LAX

FEBRUARY 2022

PROJECT ID: 1016-05-70

WITH: NA

COUNTY: JUNEAU

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 1278



PROJECT LOCATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

TOMAH - MAUSTON

STH 82 INTERCHNG / B29-36, 152-155, 157

IH 90

JUNEAU COUNTY

STATE PROJECT NUMBER
1016-05-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1016-05-70	———	—

TRAFFIC CONTROL PLANS PREPARED BY:

cbs²

WISCONSIN
TAMMY S. TUCKER
E-40780
WAUKESHA, WI
PROFESSIONAL ENGINEER

Tammy Tucker 9/27/2021

ORIGINAL PLANS PREPARED BY

MSA

1230 SOUTH BOULEVARD, BARABOO, WI S3913
(608) 356-2771 www.msa-ps.com

WISCONSIN
LOREN T. KUGLER
E-25987
BARABOO WI
PROFESSIONAL ENGINEER

Loren T. Kugler 9/27/2021

MSA

1702 PANKRATZ ST., MADISON, WI S3704
(608) 242-7779 www.msa-ps.com

WISCONSIN
JAMES T. DES JARLAIS
45153-6
MADISON WISCONSIN
PROFESSIONAL ENGINEER

9/23/2021 James T. DesJarlais

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CBS SQUARED, INC.
Designer	MSA PROFESSIONAL SERVICES, INC.
Project Manager	TRAVIS BUROS, P.E.
Regional Examiner	SW REGION
Regional Supervisor	IAN WINGER, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 10/14/2021 Travis G Buros (Signature)

E

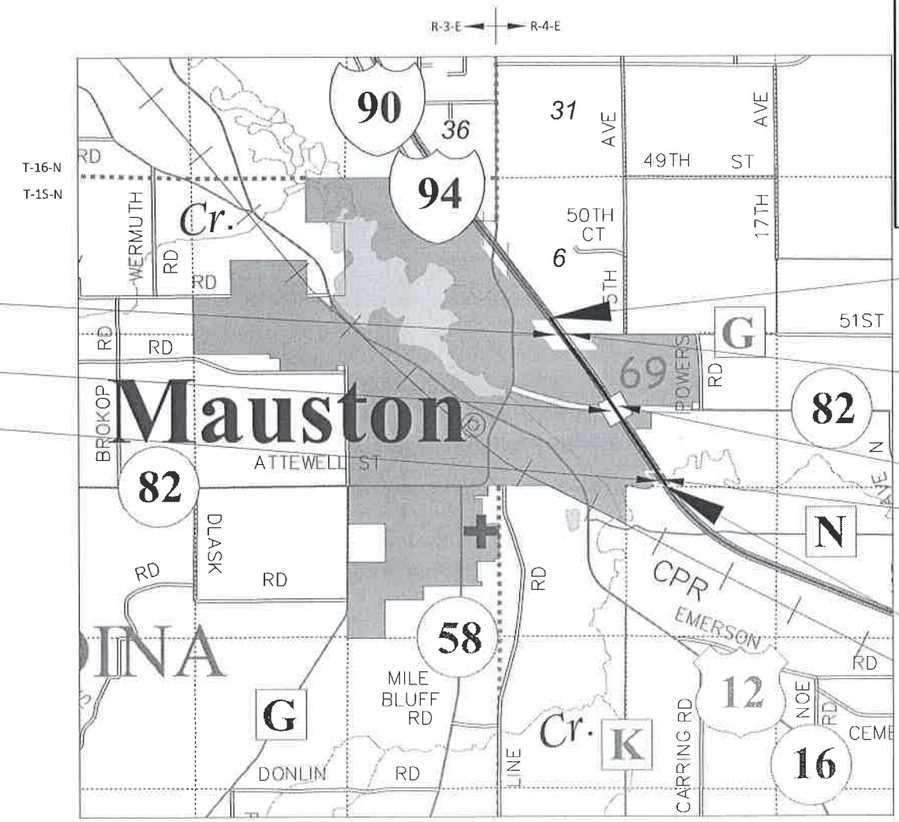
DESIGN DESIGNATION

			IH 90/94	STH 82
A.A.D.T.	2022	=	37,400	15,900
A.A.D.T.	2042	=	44,100	19,700
D.H.V.		=	6,325	2,325
D.D.		=	58/42	60/40
T.		=	30.2%	20.1%
DESIGN SPEED		=	70 MPH	50 MPH
ESALS		=	49,000,000	17,000,000

EXISTING STRUCTURE B-29-036
(REHAB)

STRUCTURE B-29-154
(EXISTING STRUCTURE B-29-034)

STRUCTURE B-29-152
(EXISTING STRUCTURE B-29-032)



BEGIN PROJECT
STA 947+02.97EB
Y = 159,646.61
X = 465,936.79

STRUCTURE B-29-157
(EXISTING STRUCTURE B-29-037)

STRUCTURE B-29-155
(EXISTING STRUCTURE B-29-03S)

STRUCTURE B-29-153
(EXISTING STRUCTURE B-29-033)

END PROJECT
STA 1030+01.05EB
Y = 152,885.58
X = 470,730.19

LAYOUT
SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 1.572 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), JUNEAU COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'E8')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

2

GENERAL NOTES

MISCELLANEOUS

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

CULVERT PIPE ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OPERATIONS REQUIRE THEM TO BE REMOVED/MOVED OR UNLESS THE ENGINEER APPROVES THEM TO BE REMOVED/MOVED.

REMOVALS

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

GRADING AND EROSION CONTROL

THE LOCATIONS OF EXISTING WETLAND LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE AND THERE MAY BE OTHER WETLANDS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

DO NOT STORE EQUIPMENT OR MATERIALS IN, NOR IMPACT ANY WETLANDS OR WATERWAYS OUTSIDE THE SLOPE INTERCEPTS SHOWN.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY ARE TO BE FERTILIZED, PERMANENT SEEDED, TEMPORARILY SEEDED AND MULCH OR EMAT PLACED AS DIRECTED BY THE ENGINEER.

EXCAVATION BELOW SUBGRADE (EBS) WHICH IS NOT INDICATED ON THE CROSS SECTIONS AND WHICH IS REQUIRED BY THE ENGINEER SHALL BE MEASURED AND PAID FOR AS COMMON EXCAVATION. EBS IS NOT USED TO BALANCE YARDAGE.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER WILL DETERMINE THE EXACT LOCATION OF EROSION CONTROL ITEMS. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. REMOVE ITEMS AT ENGINEER'S DIRECTION.

FILL EXPANSION IS ESTIMATED AT 1.25.

PAVING

CURVE DATA BASED ON ARC DEFINITION.

RADII DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLAG LINE.

EXPANSION JOINTS SHALL BE CONSTRUCTED AT ALL RADII POINTS IN CURB AND GUTTER.

HMA WEIGHT CALCULATIONS BASED ON 112 LBS/SY/IN.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACES AND 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.

UNLESS OTHERWISE SHOWN ON THE PLAN, SAWCUT ALL MATCHING DRIVEWAYS AND STREETS. COST OF CUTTING IS TO BE PAID FOR UNDER "SAWING ASPHALT" FOR ASPHALT PAVEMENT OR "SAWING CONCRETE" FOR CONCRETE PAVEMENT.

5" HMA PAVEMENT 3 HT 58-28 S FOR SHOULDERS SHALL BE PAVED IN ONE LIFT.

STORM SEWER

INLET OFFSETS GIVEN TO THE CENTER OF THE STRUCTURE.

WHERE TYING INTO EXISTING STRUCTURES OR PIPES, VERIFY EXISTING ELEVATIONS AND DIMENSIONS PRIOR TO ORDERING MATERIALS.

SECTION 2 ORDER OF SHEETS

1. GENERAL NOTES
2. PROJECT OVERVIEW
3. EXISTING TYPICAL SECTIONS
4. FINISHED TYPICAL SECTIONS
5. CONSTRUCTION DETAILS
6. PAVING DETAILS
7. CURB RAMP DETAILS
8. EROSION CONTROL
9. STORM SEWER
10. SIGNING
11. LIGHTING
12. TEMPORARY TRAFFIC SIGNALS
13. PAVEMENT MARKING
14. TRAFFIC CONTROL/STAGING
15. FENCING
16. ALIGNMENT DIAGRAMS/SUPERELEVATIONS

ABBREVIATIONS

AC	ACRES
AC	ASPHALT CEMENT
AEW	APRON ENDWALL
ASPH	ASPHALT
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BAD	BASE AGGREGATE DENSE
BM	BENCHMARK
CL	CENTERLINE
CC	CENTER TO CENTER
CONC	CONCRETE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSCP	CORRUGATED STEEL CULVERT PIPE
CSM	CERTIFIED SURVEY MAP
CTH	COUNTY TRUNK HIGHWAY
CULV	CULVERT
CP	CULVERT PIPE
C&G	CURB & GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOURLY VOLUME
DIA	DIAMETER
DWY	DRIVEWAY
E	EAST
X	EAST GRID COORDINATE
ELEV	ELEVATION
EW	ENDWALL
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FF	FACE TO FACE
FERT	FERTILIZER
FE	FIELD ENTRANCE
FG	FINISHED GRADE
FT	FOOT
G.V.	GAS VALVE
INV	INVERT
IP	IRON PIPE
JCT	JUNCTION
LHF	LEFT HAND FORWARD
L	LENGTH
LS	LUMP SUM
NC	NORMAL CROWN
N	NORTH
Y	NORTH GRID COORDINATE
PACS	PIPE ARCH CORRUGATED STEEL
PT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PL	PROPERTY LINE
PE	PRIVATE ENTRANCE
R	RADIUS
REQ'D	REQUIRED
R/W	RIGHT-OF-WAY
RHF	RIGHT HAND FORWARD
SALV	SALVAGED
SHLDR	SHOULDER
SDD	STANDARD DETAIL DRAWING
STA	STATION
SE	SUPERELEVATION
TAN	TANGENT
TLE	TEMPORARY LIMITED EASEMENT
T	TRUCKS
TYP	TYPICAL
VERT	VERTICAL
VC	VERTICAL CURVE
VOL	VOLUME
WV	WATER VALVE
W	WELL

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

COMMUNICATION:
AT&T LEGACY
ATTN: KENNETH NINE
110 N. MAIN ST.
CULVER, IN 46511
OFFICE: 574-904-6336
EMAIL: KNINE@JMCEAINC.COM

*NOT A DIGGERS HOTLINE MEMBER

UTILITIES

ELECTRIC:
ALLIANT ENERGY
ATTN: TYLER DONOVAN
338 E STATE STREET
MAUSTON, WI 53948
OFFICE: 608-847-1302
CELL: 608-963-9585
EMAIL: TYLERDONOVAN@ALLIANTENERGY.COM

*WATER/SANITARY:
CITY OF MAUSTON
ATTN: ROB NELSON
1260 NORTH ROAD
MAUSTON, WI 53948
OFFICE: 608-847-4070
CELL: 608-547-6676
EMAIL: RNELSON@MAUSTON.COM

COMMUNICATION:
FRONTIER COMMUNICATIONS OF WI LLC
ATTN: CAL KLADE
1851 NORTH 14TH AVE.
WAUSAU, WI 54401
OFFICE: 715-847-1525
CELL: 715-573-2110
EMAIL: CALVIN.KLADE@FTR.COM

GAS:
ALLIANT ENERGY
ATTN: TYLER DONOVAN
338 E STATE STREET
MAUSTON, WI 53948
OFFICE: 608-847-1302
CELL: 608-963-9585
EMAIL: TYLERDONOVAN@ALLIANTENERGY.COM

COMMUNICATION:
LEMONWEIR VALLEY TELEPHONE COMPANY
ATTN: BEN GRILLEY
127 US HWY 12
CAMP DOUGLAS, WI 54618
OFFICE: 608-427-4036
CELL: 608-542-0186
EMAIL: BEN.GRILLEY@GETLYNXX.COM

ELECTRIC:
OAKDALE ELECTRIC COOPERATIVE
ATTN: MATT RIGGS
PO BOX 40
OAKDALE, WI 54649
OFFICE: 608-372-8828
CELL: 608-343-4131
EMAIL: MRIGGS@OAKDALEREC.COM

COMMUNICATION:
MEDIACOM LLC WISCONSIN
ATTN: CRAIG EGGERT
1240 HIGHWAY 52 SOUTH
CHATFIELD, MN 55923
OFFICE: 563-419-5160
CELL: 563-419-5160
EMAIL: CEGGERT@MEDIACOMCC.COM

TRANSMISSION:
AMERICAN TRANSMISSION COMPANY (ATC)
ATTN: DOUG VOSBERG
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527
OFFICE: 608-877-7650
EMAIL: DVOSBERG@ATCLLC.COM

DOT DESIGN CONTACT

WISDOT SW REGION
ATTN: TRAVIS BUROS, P.E.
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
OFFICE: 608-789-5702
EMAIL: TRAVIS.BUROS@DOT.WI.GOV

MSA DESIGN CONTACT

MSA PROFESSIONAL SERVICES, INC.
ATTN: BOBBI MAXWELL, P.E.
1230 SOUTH BOULEVARD
BARABOO, WI 53913
OFFICE: 608-355-8861
EMAIL: BMAXWELL@MSA-PS.COM

DNR LIAISON

WISCONSIN DEPARMENT OF NATURAL RESOURCES
ATTN: KAREN KALVELAGE
ENVIRONMENTAL ANALYSIS & REVIEW SPECIALIST
DNR SERVICE CENTER
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
OFFICE: 608-785-9115
EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

2

2

BEGIN CONSTRUCTION
STA 944+01.89WB
MATCH EXISTING
SAW CUT REQ'D

BEGIN PROJECT 1016-05-70
STA 947+02.97EB
MATCH EXISTING
SAW CUT REQ'D

CTH G/SHERMAN STREET

B-29-157

B-29-036

IH 90/94

CITY OF MAUSTON

CITY OF MAUSTON

CITY OF MAUSTON

BEGIN RECONSTRUCTION
STA 131+85.44WB82
MATCH EXISTING
SAW CUT REQ'D

KENNEDY STREET

MCEVOY STREET

ROUNDABOUT REQ'D

B-29-154

BEGIN RECONSTRUCTION
STA 131+84.35EB82
MATCH EXISTING
SAW CUT REQ'D

ROUNDABOUT REQ'D

B-29-155

B RAMP

C RAMP

D RAMP

A RAMP

STH 82

COMMERCIAL STREET

LODGE LANE

POWERS AVENUE

END RECONSTRUCTION
STA 159+18.49WB82

END RECONSTRUCTION
BEGIN MILL AND OVERLAY
STA 159+22.00EB82

END MILL AND OVERLAY
STA 179+35.22EB82
MATCH EXISTING
SAW CUT REQ'D

TOWN OF LEMONWEIR

TOWN OF LEMONWEIR

TOWN OF LEMONWEIR

N

NOTE:
TEMPORARY BRIDGES CONSTRUCTED IN A PRIOR PROJECT ARE NOT SHOWN ON THE OVERVIEW.

SENSITIVE AREA

SENSITIVE AREA

LEMONWEIR RIVER

B-29-153

B-29-152

END CONSTRUCTION
STA 1029+89.38WB
MATCH EXISTING
SAW CUT REQ'D

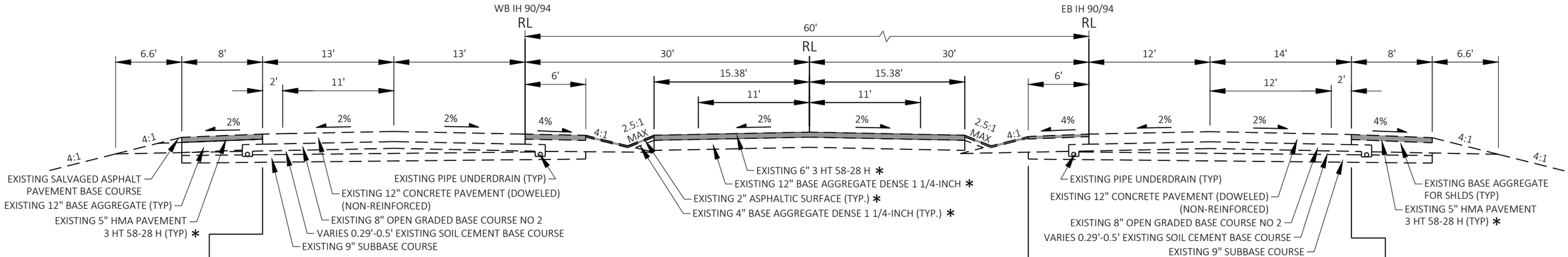
END PROJECT 1016-05-70
STA 1030+01.05EB
MATCH EXISTING
SAW CUT REQ'D

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PROJECT OVERVIEW	SHEET 3	E

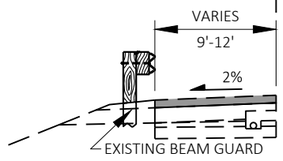
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LAYOUT NAME - 020201_po

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WISDOT/CADDS SHEET 42

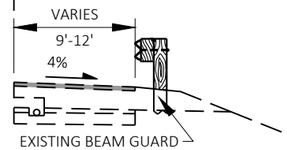


EXISTING TYPICAL SECTION WESTBOUND IH 90/94
STA 944+01.89WB TO 951+67.99WB
STA 953+10.07WB TO 983+09.81WB
STA 985+08.48WB TO 1012+44.75WB
STA 1014+48.14WB TO 1014+94.09WB

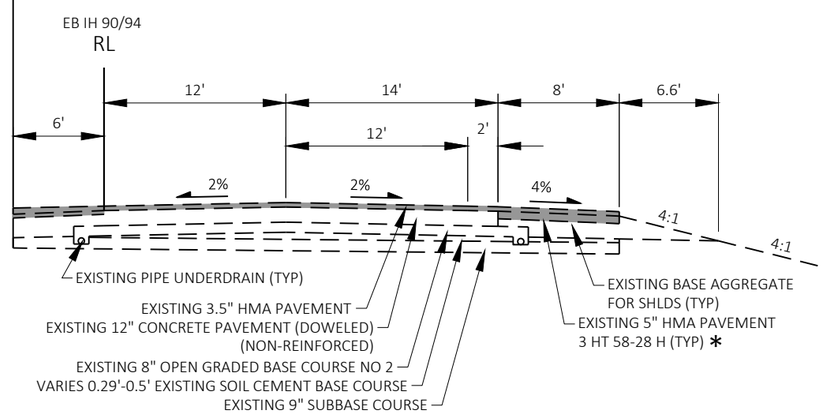


EXISTING TYPICAL SECTION WESTBOUND IH 90/94
STA 948+57.88WB TO 951+88.65WB
STA 953+30.66WB TO 960+20.93WB
STA 979+21.60WB TO 983+14.34WB
STA 985+33.66WB TO 990+36.85WB
STA 1007+33.58WB TO 1012+40.38WB
STA 1014+61.00WB TO 1014+94.09WB

EXISTING TYPICAL SECTION EASTBOUND IH 90/94
STA 948+00.00EB TO 951+20.58EB
STA 952+63.03EB TO 982+51.41EB
STA 984+49.71EB TO 1012+30.85EB



EXISTING TYPICAL SECTION EASTBOUND IH 90/94
STA 948+14.81EB TO 950+94.22EB
STA 952+37.57EB TO 955+17.60EB
STA 975+72.34EB TO 982+27.16EB
STA 984+45.94EB TO 987+88.70EB
STA 1007+10.87EB TO 1007+10.87EB

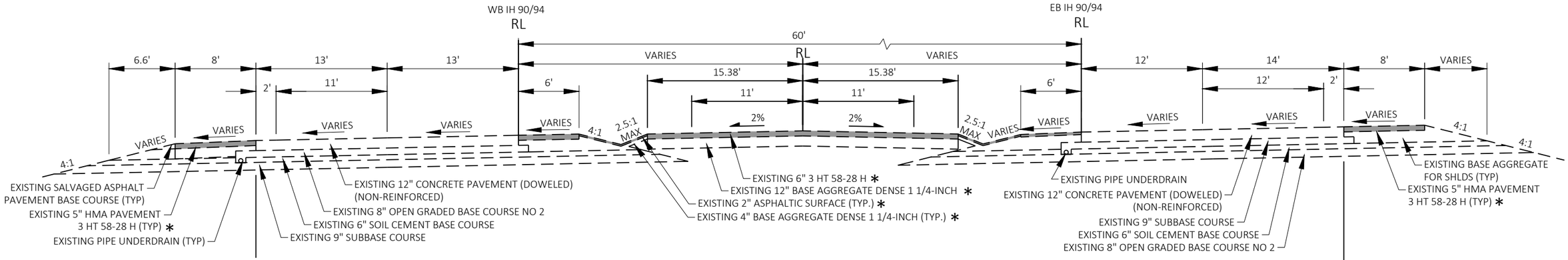


EXISTING TYPICAL SECTION EASTBOUND IH 90/94
STA 947+02.97EB TO 948+00.00EB

* = INSTALLED UNDER A PREVIOUS PROJECT, ID: 1016-05-80.

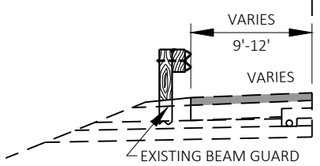
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 4	E

2

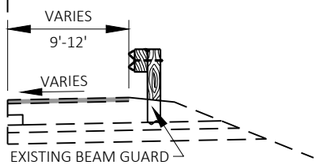


EXISTING SUPERELEVATED TYPICAL SECTION WESTBOUND IH 90/94
STA 1014+94.09WB TO 1029+89.38WB

EXISTING SUPERELEVATED TYPICAL SECTION EASTBOUND IH 90/94
STA 1014+31.52EB TO 1030+01.05EB



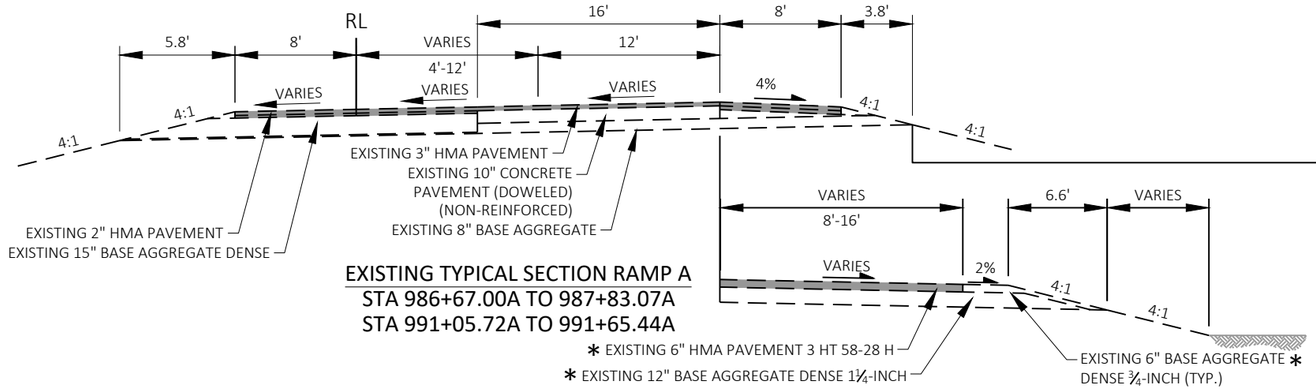
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STA 1014+94.09WB TO 1028+23.99WB



EXISTING SUPERELEVATED TYPICAL SECTION EASTBOUND IH 90/94
STA 1014+37.70EB TO 1027+00.55EB

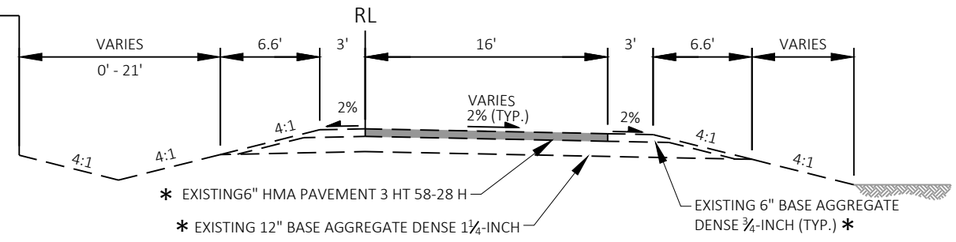
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 5	E

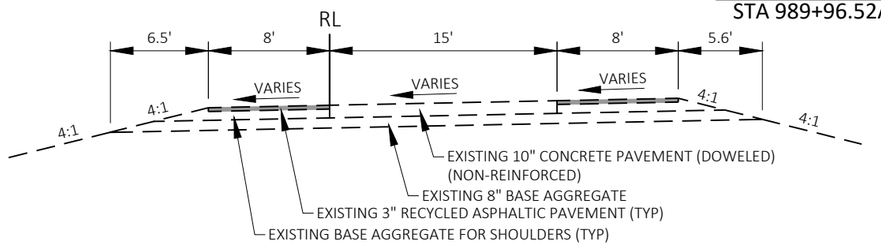


EXISTING TYPICAL SECTION RAMP A
STA 986+67.00A TO 987+83.07A
STA 991+05.72A TO 991+65.44A

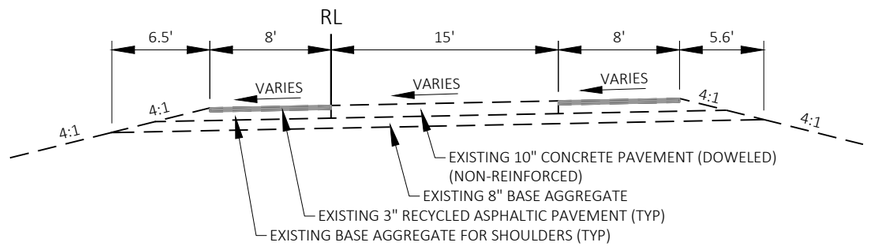
EXISTING TYPICAL SECTION RAMP A
STA 989+96.52A TO 991+05.72A



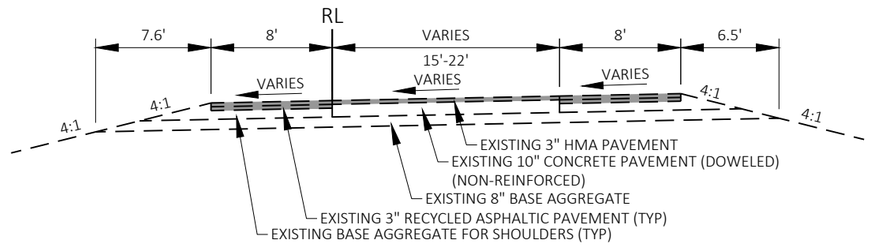
EXISTING TYPICAL SECTION RAMP A
STA 987+83.07A TO 989+96.52A



EXISTING TYPICAL SECTION RAMP A
STA 991+65.44A - 999+13.05A



EXISTING TYPICAL SECTION RAMP B
STA 972+07.66B TO 984+25.13B

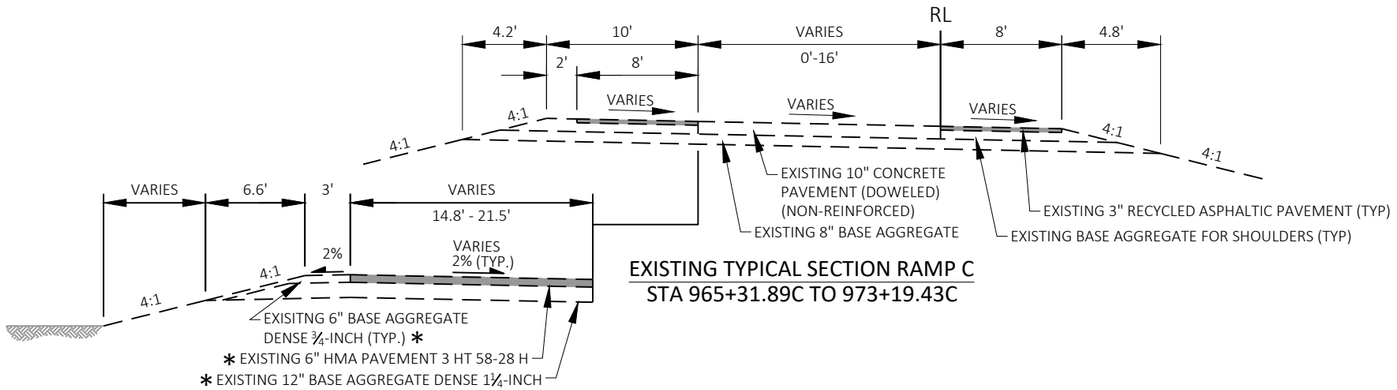


EXISTING TYPICAL SECTION RAMP B
STA 984+25.13B TO 985+23.67B

∗ = INSTALLED UNDER A PREVIOUS PROJECT, ID: 1016-05-80.

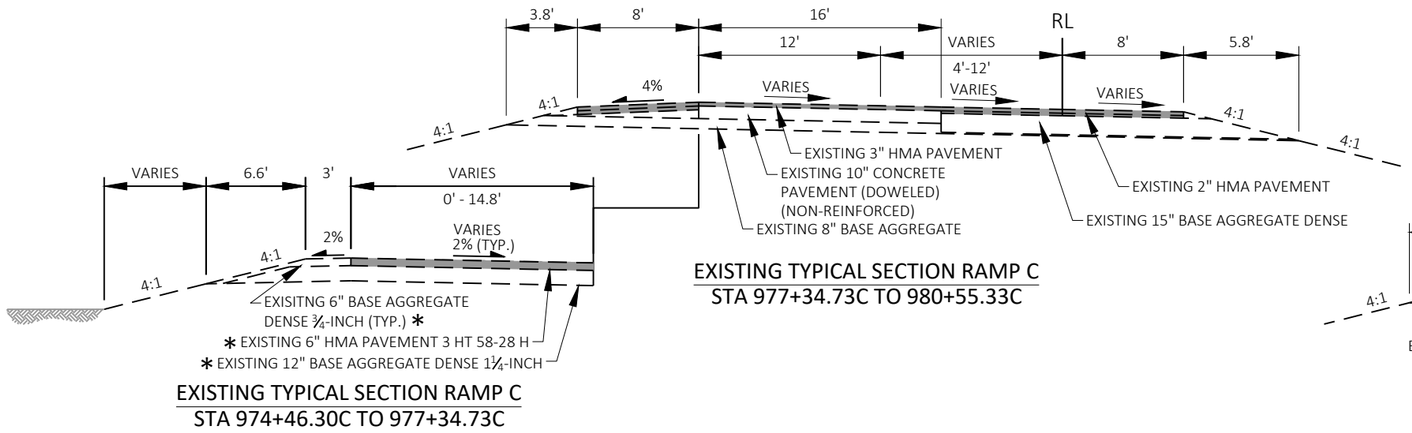
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 6	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\020301_TS.DWG
LAYOUT NAME - 020302_ts
PLOT DATE : 10/27/2021 6:29 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:10 FT



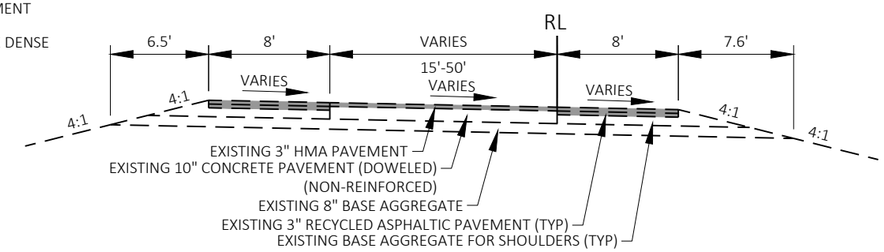
EXISTING TYPICAL SECTION RAMP C
STA 965+31.89C TO 973+19.43C

EXISTING TYPICAL SECTION RAMP C
STA 973+19.43C TO 974+46.30C

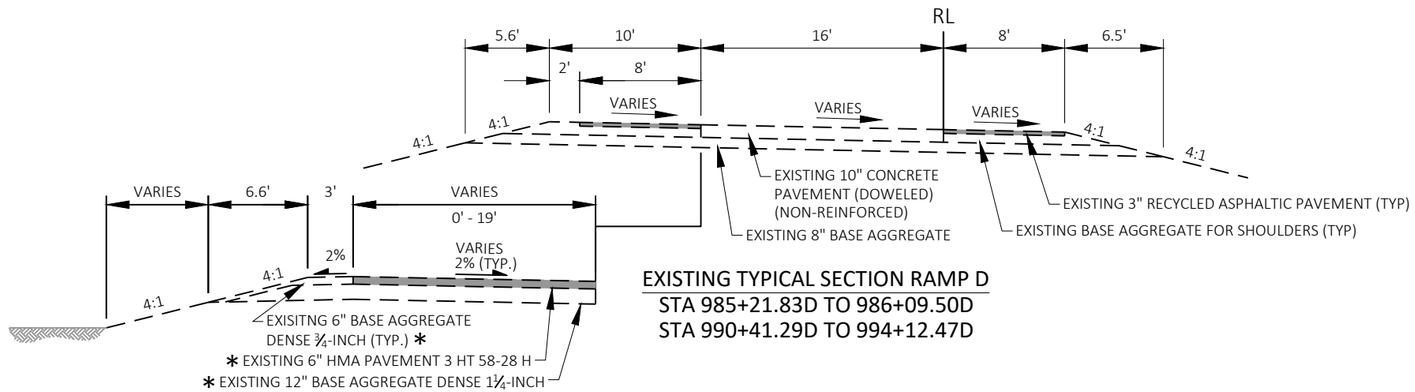


EXISTING TYPICAL SECTION RAMP C
STA 977+34.73C TO 980+55.33C

EXISTING TYPICAL SECTION RAMP C
STA 974+46.30C TO 977+34.73C



EXISTING TYPICAL SECTION RAMP D
STA 983+72.28D TO 985+21.83D

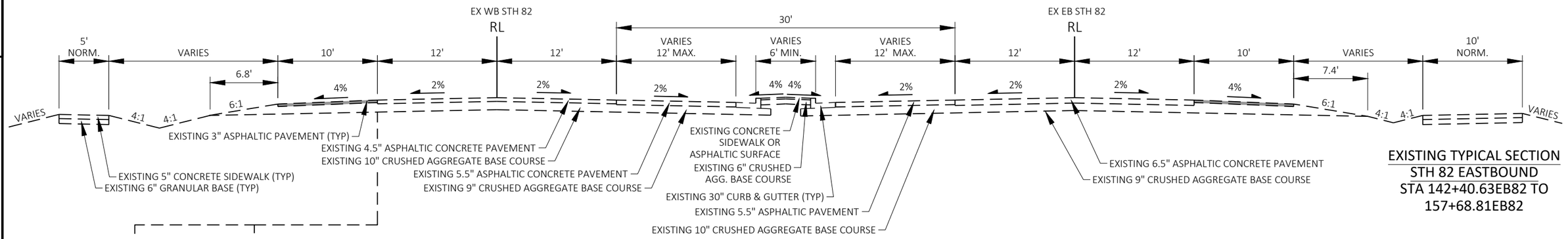


EXISTING TYPICAL SECTION RAMP D
STA 985+21.83D TO 986+09.50D
STA 990+41.29D TO 994+12.47D

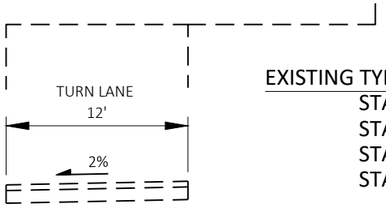
EXISTING TYPICAL SECTION RAMP D
STA 986+09.50D TO 990+81.29D

✻ = INSTALLED UNDER A PREVIOUS PROJECT, ID: 1016-05-80.

2

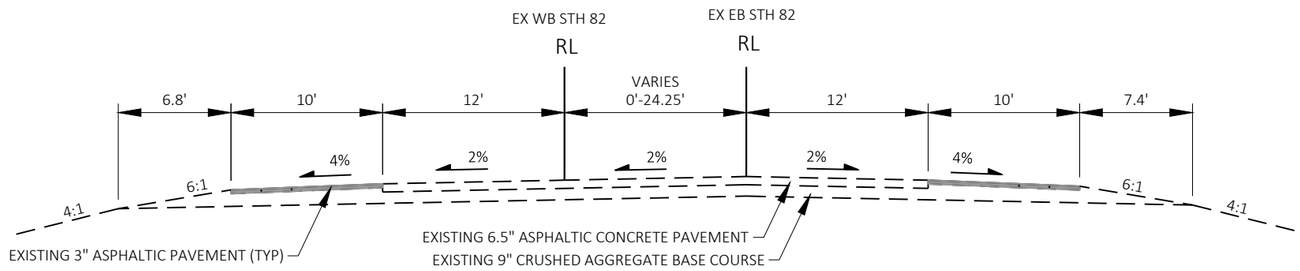


EXISTING TYPICAL SECTION
STH 82 EASTBOUND
STA 142+40.63EB82 TO
157+68.81EB82



EXISTING TYPICAL SECTION WITH CURB STH 82 WESTBOUND
STA 142+43.34WB82 TO 143+58.71WB82
STA 147+12.35WB82 TO 149+79.83WB82
STA 152+26.14WB82 TO 162+35.16WB82
STA 166+03.73WB82 TO 168+04.05WB82

EXISTING TYPICAL SECTION STH 82 EASTBOUND
STA 142+40.63EB82 TO 144+33.22EB82
STA 147+53.54EB82 TO 149+78.65EB82
STA 152+31.64EB82 TO 162+38.66EB82
STA 165+88.64EB82 TO 170+85.25EB82

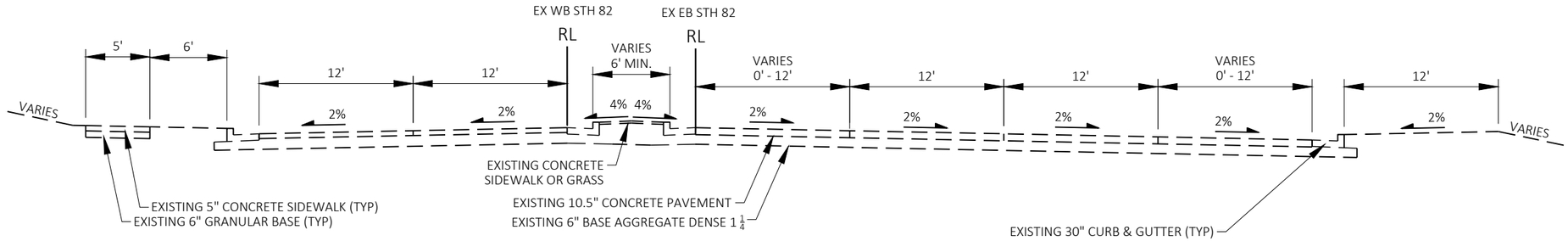


EXISTING TYPICAL SECTION STH 82
STA 170+85.25EB82 TO 175+48.18EB82

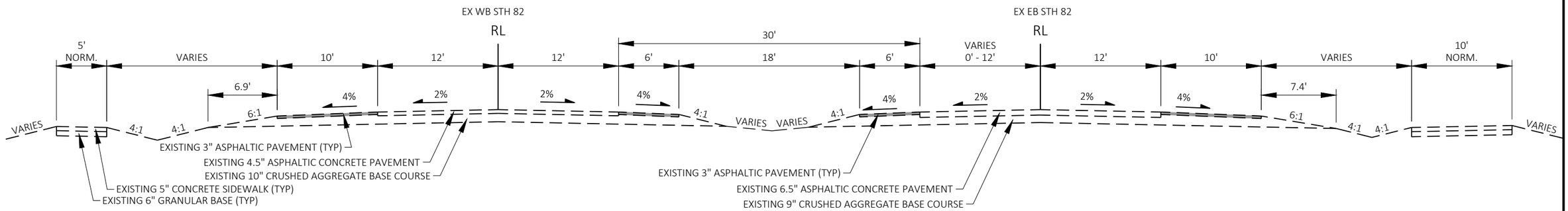
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 8	E

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LAYOUT NAME - 020303_ts
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WISDOT/CADDS SHEET 42

2



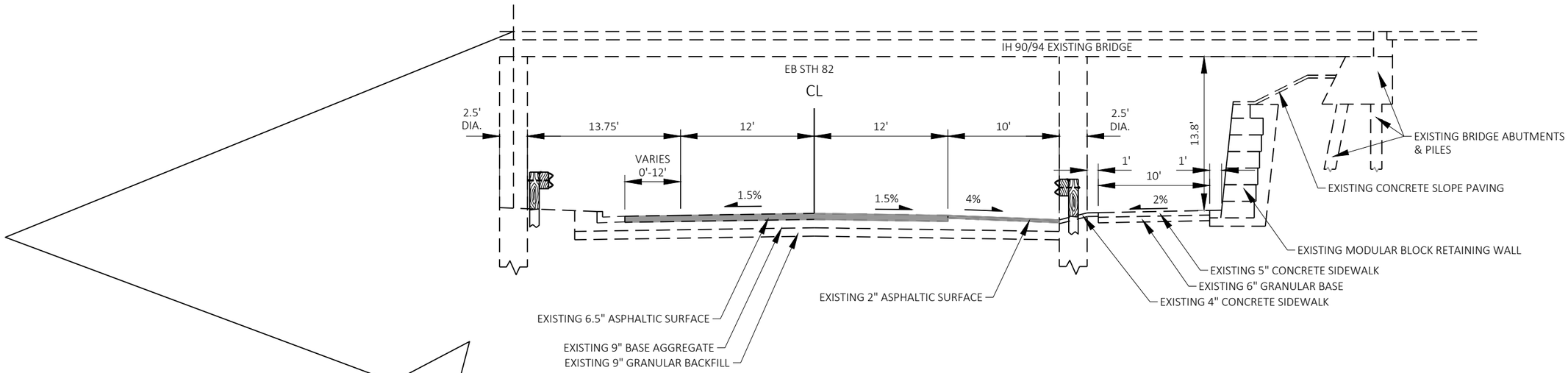
EXISTING TYPICAL SECTION STH 82 EASTBOUND
STA 129+81.97EB82 TO 131+84.35EB82



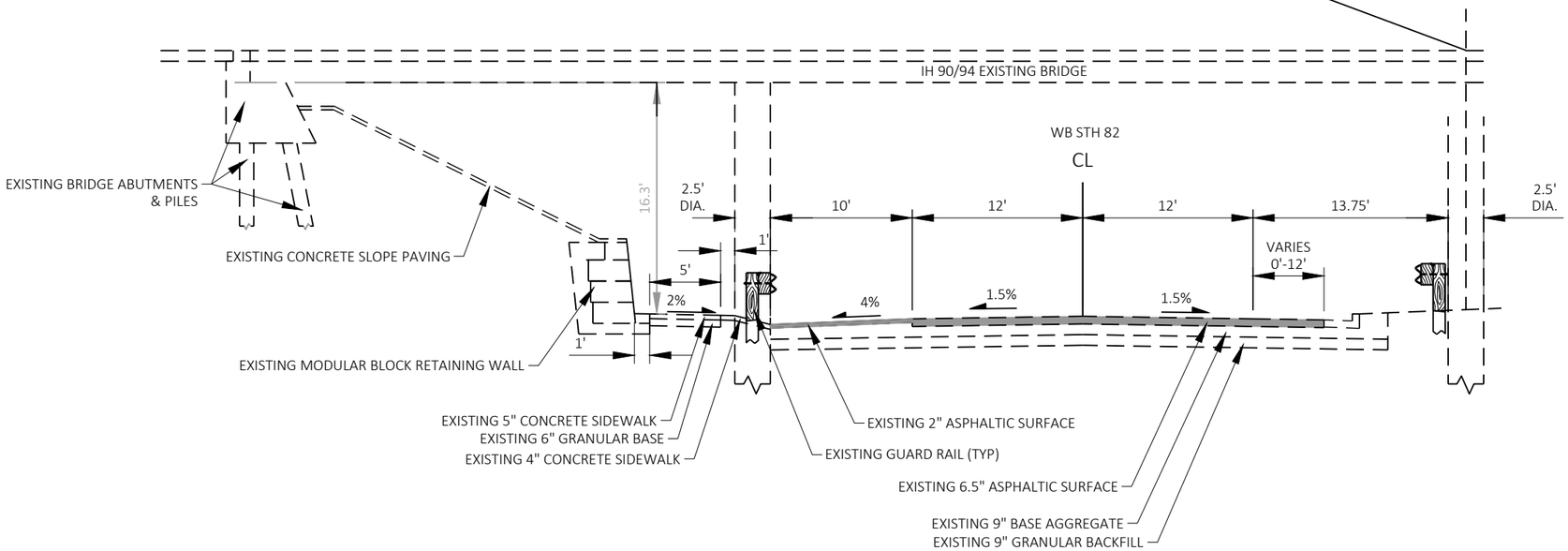
EXISTING TYPICAL SECTION STH 82 WESTBOUND
STA 131+85.44WB82 TO 142+43.34WB82
STA 149+79.83WB82 TO 152+26.14WB82
STA 162+35.16WB82 TO 166+03.73WB82

EXISTING TYPICAL SECTION STH 82 EASTBOUND
STA 131+84.35EB82 TO 142+40.63EB82
STA 149+78.65EB82 TO 152+31.64EB82
STA 162+38.66EB82 TO 165+88.64EB82

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 9	E



EXISTING TYPICAL SECTION STH 82 EASTBOUND
STA 144+33.22EB82 TO 147+53.54EB82

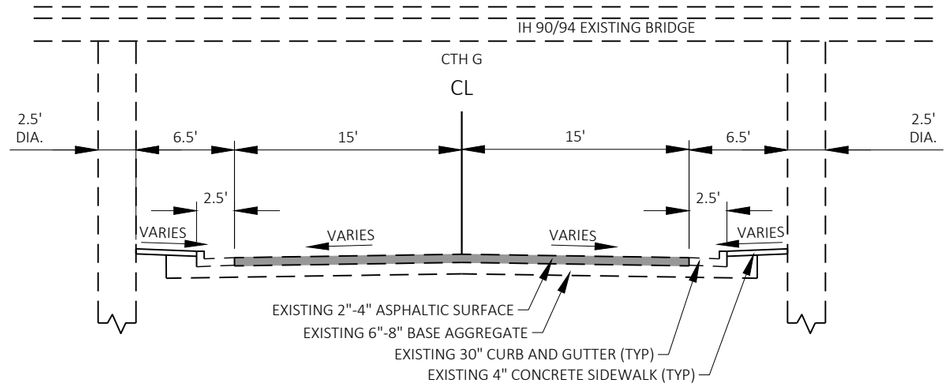


EXISTING TYPICAL SECTION STH 82 WESTBOUND
STA 143+58.71WB82 TO 147+12.35WB82

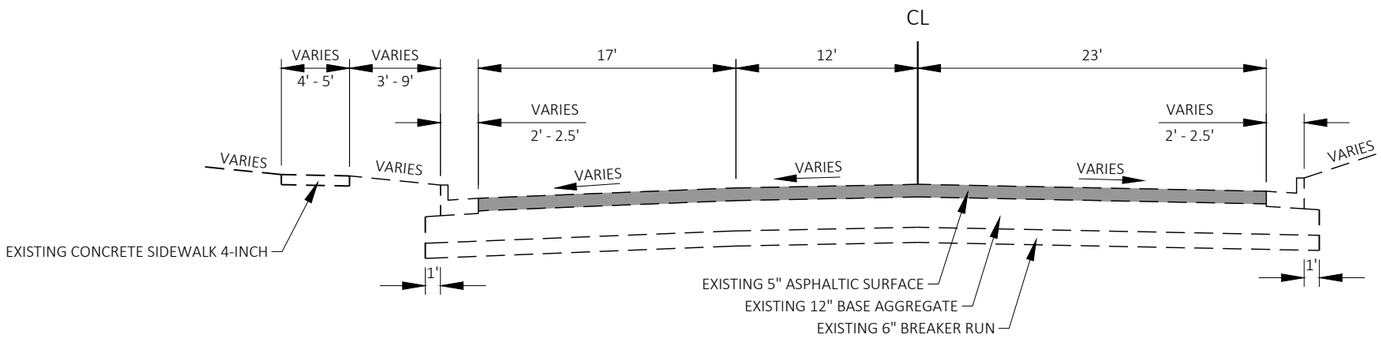
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 10	E

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WISDOT/CADDS SHEET 42

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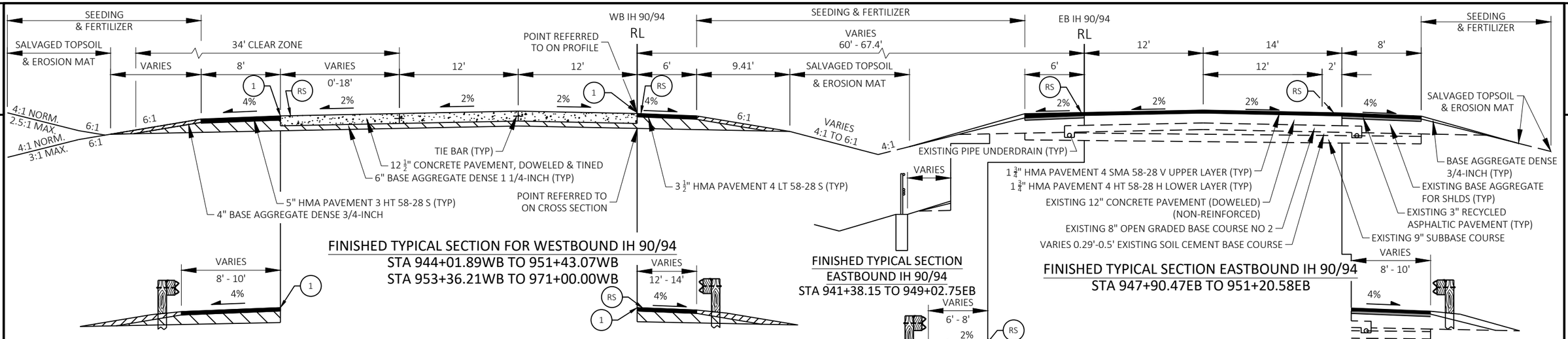


EXISTING TYPICAL SECTION FOR CTH G
STA 21+38.28G TO 22+75.00G



EXISTING TYPICAL SECTION FOR COMMERCIAL ST
STA 5+23.65CM TO 6+05.03CM

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 11	E



FINISHED TYPICAL SECTION FOR WESTBOUND IH 90/94
STA 944+01.89WB TO 951+43.07WB
STA 953+36.21WB TO 971+00.00WB

FINISHED TYPICAL SECTION FOR WESTBOUND IH 90/94
STA 948+49.78 TO 951+79.18WB
STA 953+67.33 TO 960+21.81WB

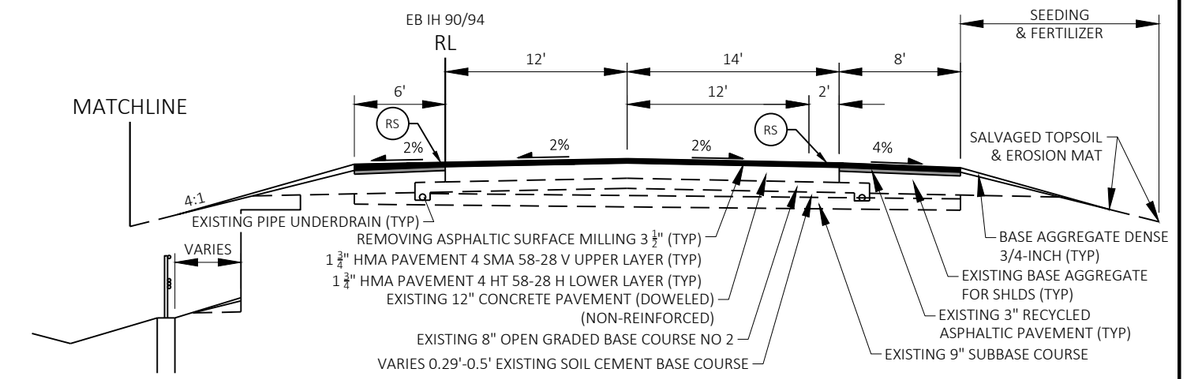
FINISHED TYPICAL SECTION FOR WESTBOUND IH 90/94
STA 953+24.55 TO 956+04.71WB

FINISHED TYPICAL SECTION EASTBOUND IH 90/94
STA 941+38.15 TO 949+02.75EB

FINISHED TYPICAL SECTION EASTBOUND IH 90/94
STA 948+10.79 TO 951+28.31EB

FINISHED TYPICAL SECTION EASTBOUND IH 90/94
STA 947+90.47EB TO 951+20.58EB

FINISHED TYPICAL SECTION EASTBOUND IH 90/94
STA 948+03.99 TO 950+96.80EB



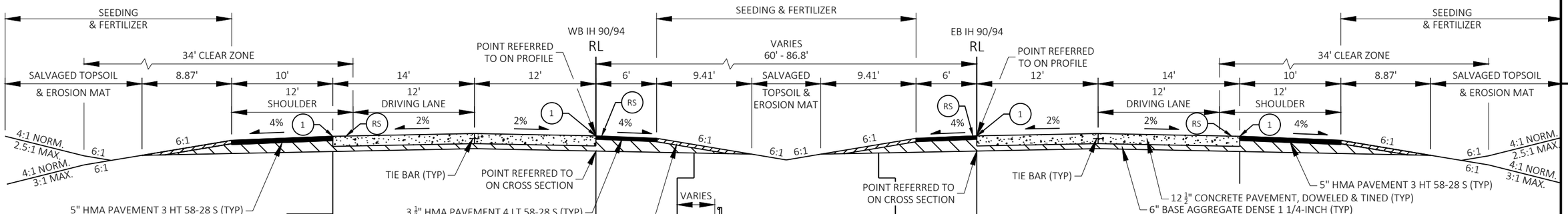
FINISHED TYPICAL SECTION
EASTBOUND IH 90/94
STA 941+38.15 TO 949+02.75EB

FINISHED TYPICAL SECTION EASTBOUND IH 90/94
STA 947+02.97 TO 947+90.47EB

NOTES

1. ROUT AND SEAL BETWEEN CONCRETE PAVEMENT AND HMA SHOULDERS (TYP)
2. RS CONCRETE SHOULDER RUMBLE STRIPS OR ASPHALTIC SHOULDER RUMBLE STRIPS (SEE SDD SHOULDER RUMBLE STRIP, MILLING)

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 12	E



FINISHED TYPICAL SECTION FOR IH 90/94
STA 971+00WB TO 982+83.90WB
STA 985+32.92WB TO 1012+18.73WB
STA 1014+74.27WB TO 1015+93.25WB

FINISHED TYPICAL SECTION FOR IH 90/94
STA 985+89.61 TO 1011+98.75WB

FINISHED TYPICAL SECTION FOR IH 90/94
STA 952+62.99EB TO 982+25.09EB
STA 984+74.11EB TO 1012+03.39EB
STA 1014+58.93EB TO 1014+61.04EB

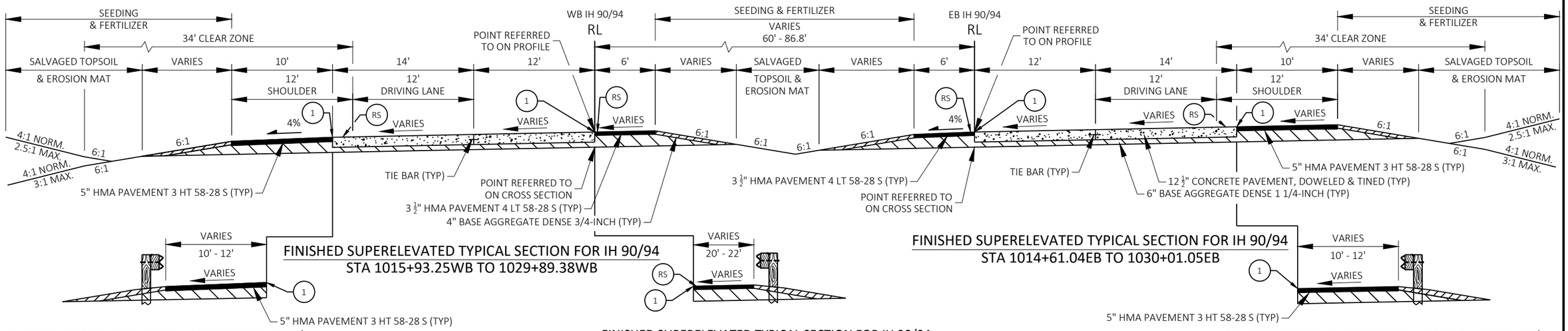
FINISHED TYPICAL SECTION FOR IH 90/94
STA 953+90.52 TO 980+40.79EB

FINISHED TYPICAL SECTION FOR IH 90/94
STA 979+19.03 TO 983+10.81WB
STA 985+54.83 TO 990+46.452WB
STA 1007+23.49 TO 1012+27.58WB
STA 1014+78.12 TO 1015+93.25WB

FINISHED TYPICAL SECTION FOR IH 90/94
STA 985+16.86 TO 988+09.67WB
STA 1014+68.24 TO 1015+93.25WB

FINISHED TYPICAL SECTION FOR IH 90/94
STA 979+35.48 TO 982+41.15EB
STA 1010+16.61 TO 1012+09.41EB

FINISHED TYPICAL SECTION FOR IH 90/94
STA 952+34.35 TO 955+26.856EB
STA 975+61.37 TO 982+03.20EB
STA 984+47.21 TO 987+89.11EB
STA 1007+07.95 TO 1011+99.58EB
STA 1014+50.08 TO 1014+61.04EB



FINISHED SUPERELEVATED TYPICAL SECTION FOR IH 90/94
STA 1015+93.25WB TO 1029+89.38WB

FINISHED SUPERELEVATED TYPICAL SECTION FOR IH 90/94
STA 1014+61.04EB TO 1030+01.05EB

FINISHED SUPERELEVATED TYPICAL SECTION FOR IH 90/94
STA 1015+93.25 TO 1017+85.53WB

FINISHED SUPERELEVATED TYPICAL SECTION FOR IH 90/94
STA 1015+93.25 TO 1028+27.09WB

FINISHED SUPERELEVATED TYPICAL SECTION FOR IH 90/94
STA 1014+61.04 TO 1027+11.60EB

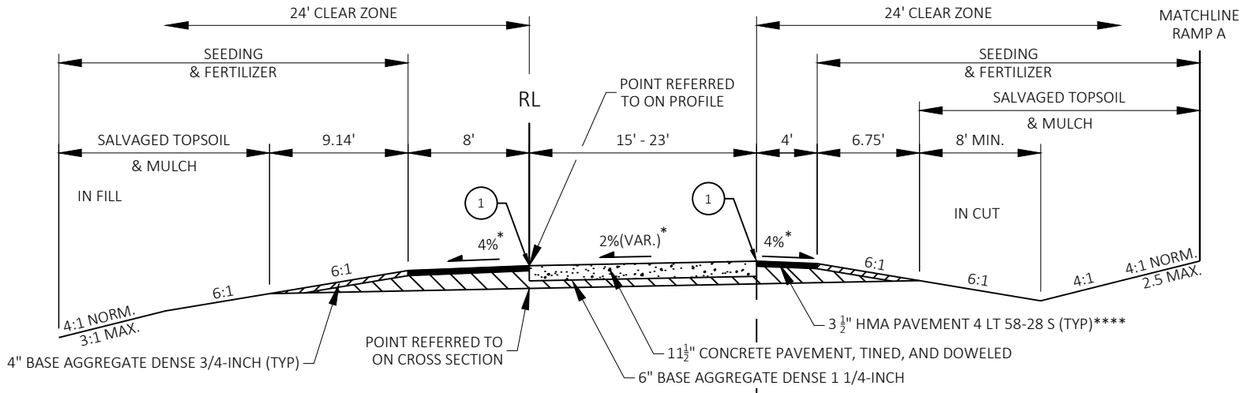
NOTES

(1) ROUT AND SEAL BETWEEN CONCRETE PAVEMENT AND HMA SHOULDERS (TYP)

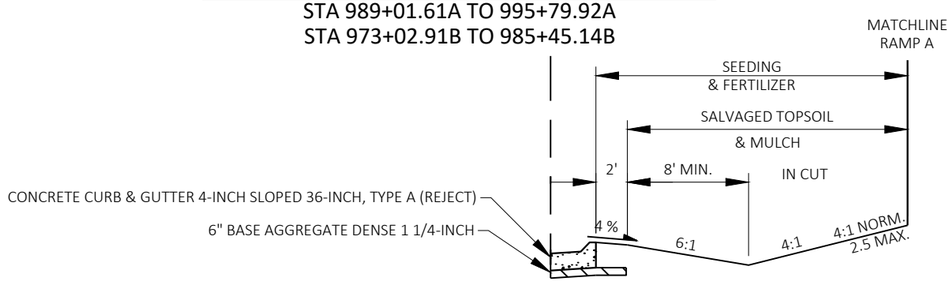
(RS) CONCRETE SHOULDER RUMBLE STRIPS OR ASPHALTIC SHOULDER RUMBLE STRIPS (SEE SDD SHOULDER RUMBLE STRIP, MILLING)

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 13	E

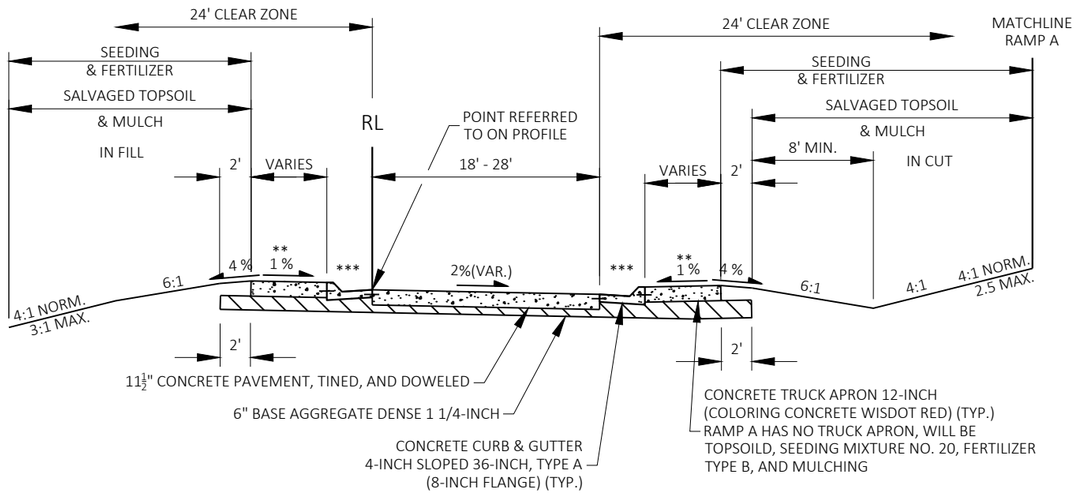
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PLOT DATE : 11/16/2021 11:25 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



FINISHED TYPICAL SECTION FOR WB IH 90/94 RAMPS
STA 989+01.61A TO 995+79.92A
STA 973+02.91B TO 985+45.14B



FINISHED TYPICAL SECTION FOR WB IH 90/94 RAMPS
STA 987+71.38A TO 989+01.70A



FINISHED TYPICAL SECTION FOR WB IH 90/94 RAMPS
STA 986+67.00A TO 987+71.38A
STA 985+45.14B TO 985+86.60B

NOTES

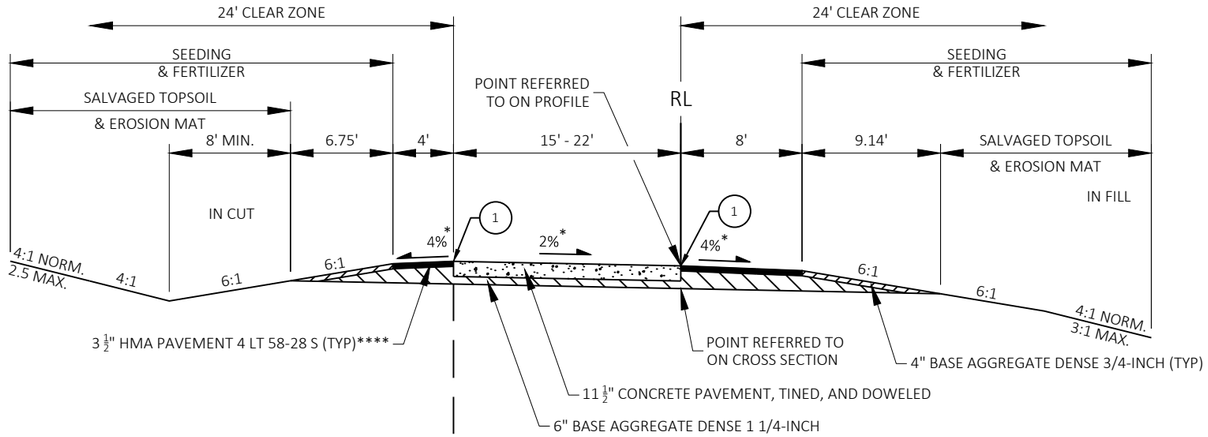
* SEE ALIGNMENT DETAILS FOR SUPERELEVATION TRANSITIONS

** SEE PLAN DETAILS AND ALIGNMENT DETAILS FOR OVERTRACKING PAD LOCATIONS

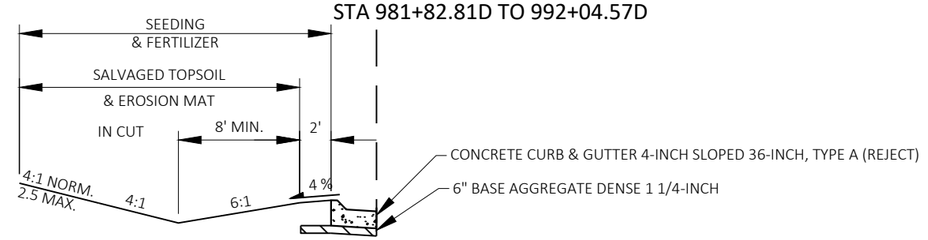
*** SEE PAVING DETAILS FOR CURB TYPE CHANGES

**** IF SHOULDERS ARE USED FOR TRAFFIC DURING STAGING CHANGE THICKNESS TO 5". SEE TRAFFIC CONTROL PLANS FOR LOCATIONS.

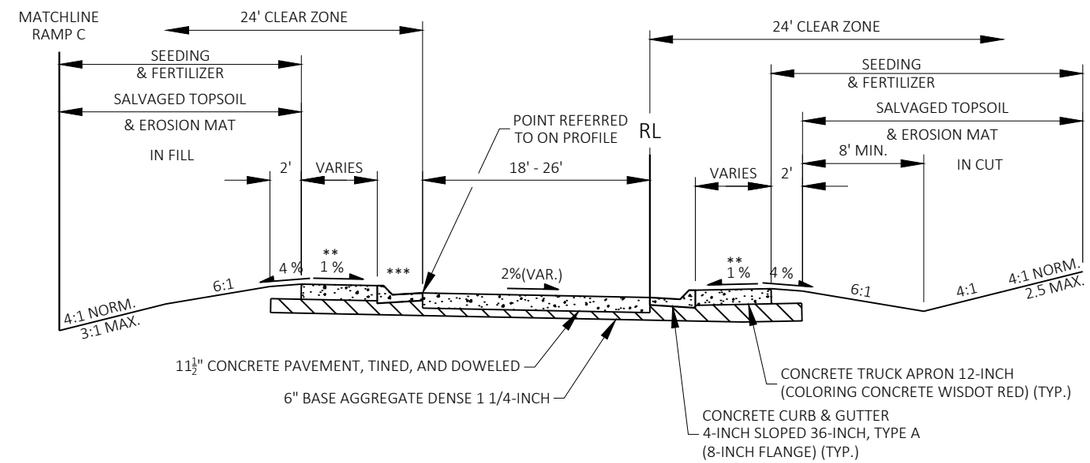
(1) ROUT AND SEAL BETWEEN CONCRETE PAVEMENT AND HMA SHOULDERS (TYP)



FINISHED TYPICAL SECTION FOR EB IH 90/94 RAMPS
STA 969+60.63C TO 979+83.26C
STA 981+82.81D TO 992+04.57D



FINISHED TYPICAL SECTION FOR EB IH 90/94 RAMPS
STA 978+39.15C TO 979+83.26C



FINISHED TYPICAL SECTION FOR EB IH 90/94 RAMPS
STA 979+83.26C TO 980+74.60C (REJECT CURB AND GUTTER LT)
STA 981+41.35D TO 981+82.81D

NOTES

* SEE ALIGNMENT DETAILS FOR SUPERELEVATION TRANSITIONS

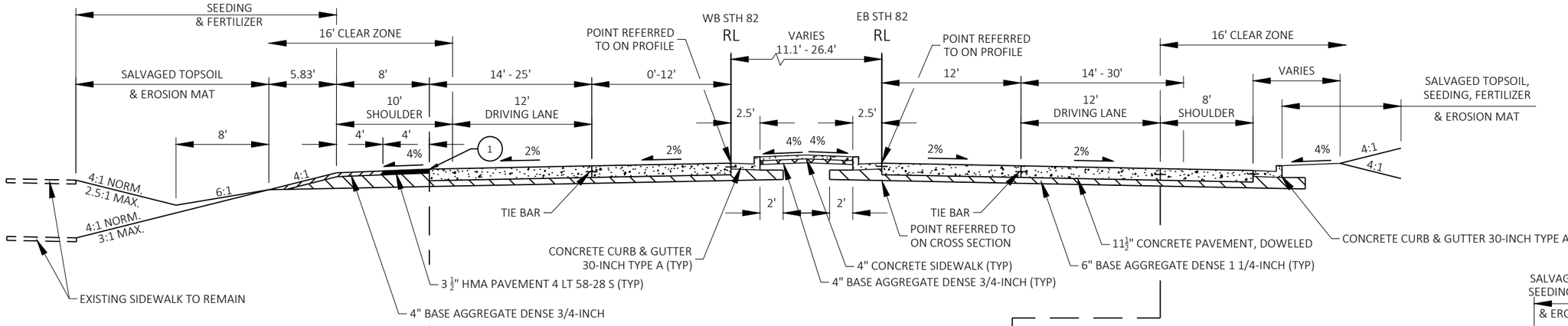
** SEE PLAN DETAILS AND ALIGNMENT DETAILS FOR OVERTRACKING PAD LOCATIONS

*** SEE PAVING DETAILS FOR CURB TYPE CHANGES

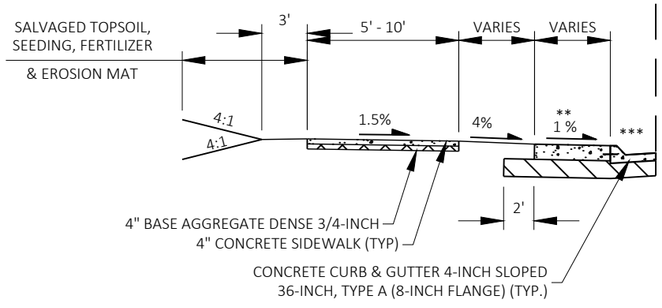
**** IF SHOULDERS ARE USED FOR TRAFFIC DURING STAGING CHANGE THICKNESS TO 5". SEE TRAFFIC CONTROL PLANS FOR LOCATIONS.

(1) ROUT AND SEAL BETWEEN CONCRETE PAVEMENT AND HMA SHOULDERS (TYP)

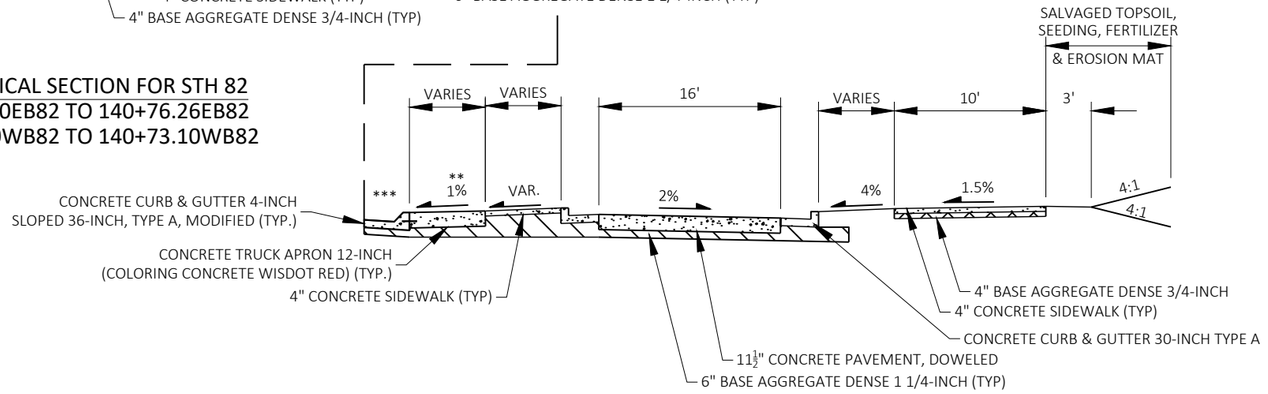
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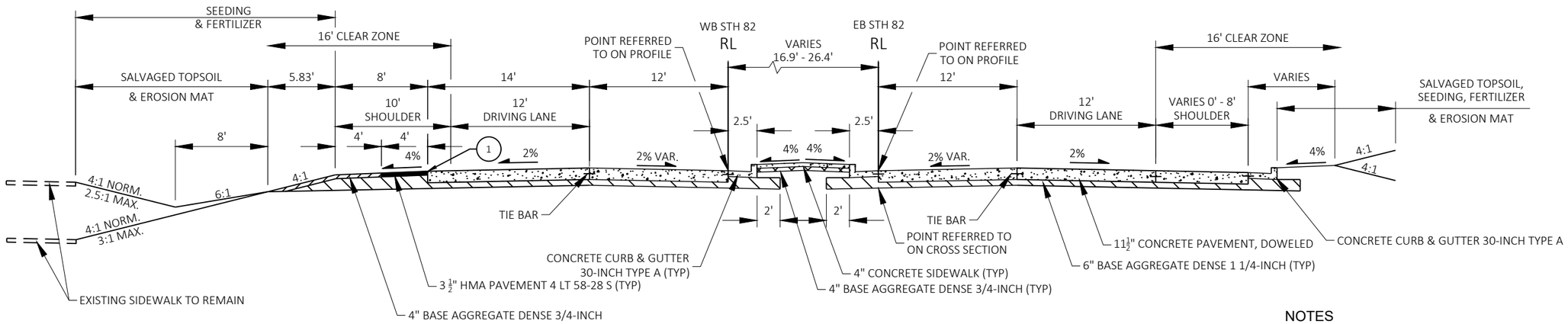
FINISHED TYPICAL SECTION FOR STH 82
STA 133+25.00EB82 TO 140+76.26EB82
STA 133+16.00WB82 TO 140+73.10WB82



FINISHED TYPICAL SECTION FOR STH 82
STA 139+05.29WB82 TO 140+73.10WB82



FINISHED TYPICAL SECTION FOR STH 82
STA 139+49.13EB82 TO 140+76.26EB82



FINISHED TYPICAL SECTION FOR STH 82
STA 131+84.35EB82 TO 133+25.00EB82
STA 131+84.44 TO 133+16.00WB82

NOTES

** SEE PLAN DETAILS AND ALIGNMENT DETAILS FOR OVERTRACKING PAD LOCATIONS

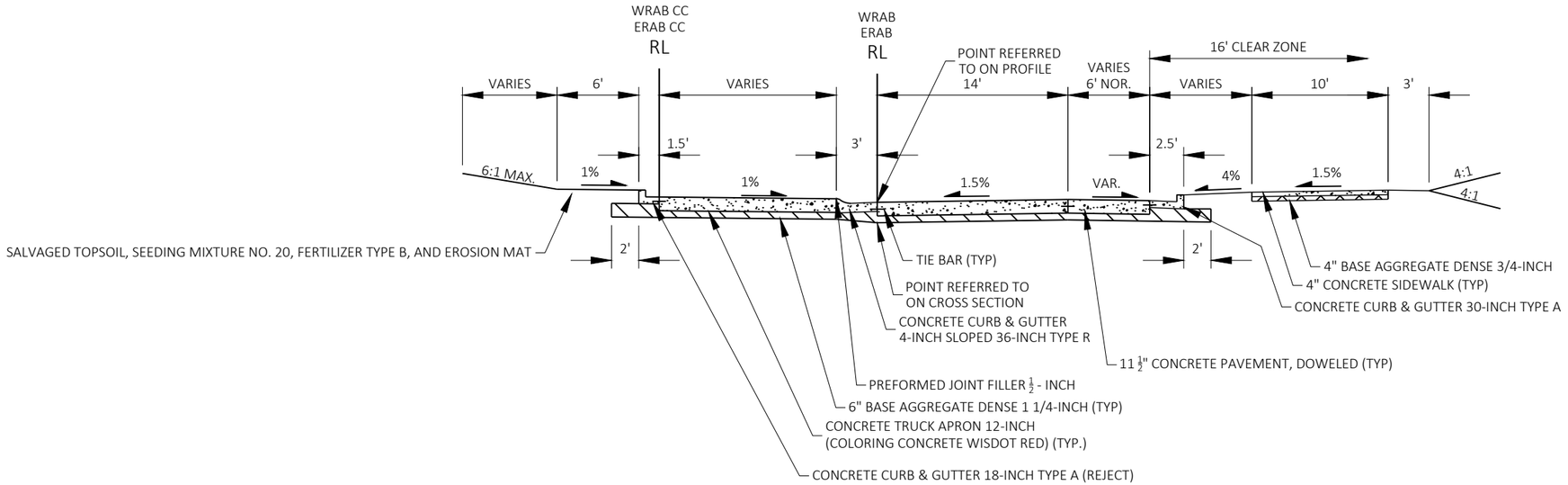
*** SEE PAVING DETAILS FOR CURB TYPE CHANGES

(1) ROUT AND SEAL BETWEEN CONCRETE PAVEMENT AND HMA SHOULDERS (TYP)

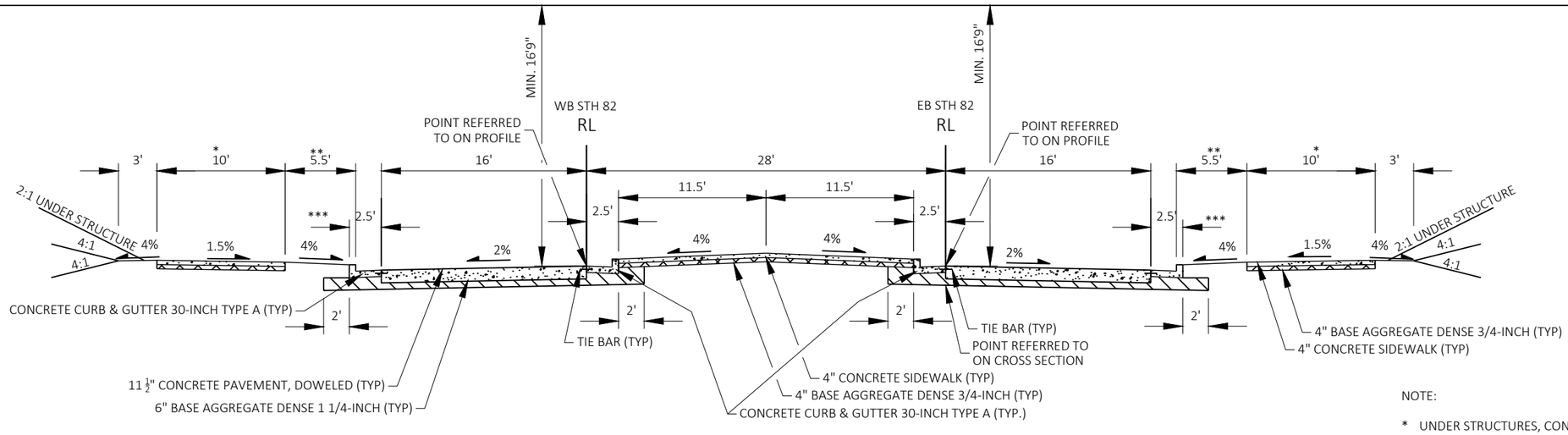
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 16	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\020301_TS.DWG
LAYOUT NAME - 020311_ts
PLOT DATE : 10/27/2021 6:29 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



FINISHED TYPICAL SECTION ROUNDABOUTS
STA 10+00.00WRAB TO 13+95.84WRAB
STA 10+00.00ERAB TO 13+95.84ERAB

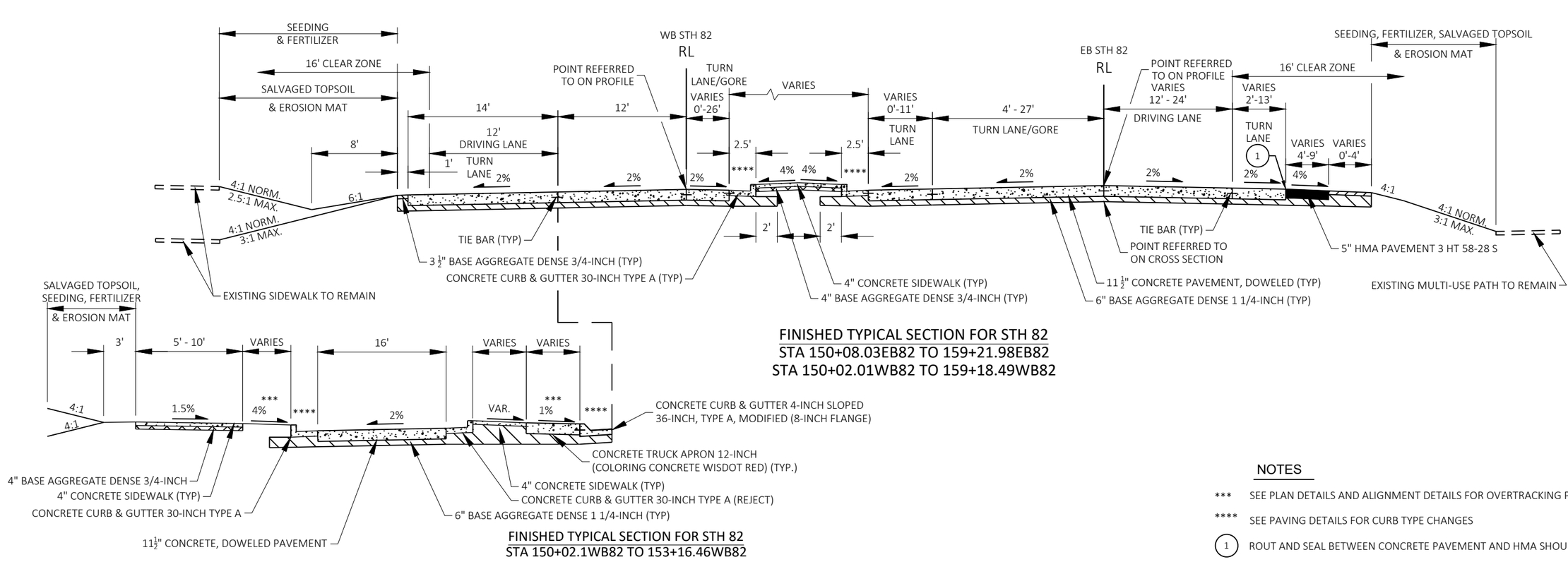


FINISHED TYPICAL SECTION FOR STH 82
STA 142+49.64EB82 TO 148+29.39EB82
STA 142+51.46WB82 TO 148+30.4WB82

NOTE:

* UNDER STRUCTURES, CONSTRUCT 11' WIDE: 10' PATH PLUS 1' PAVED BUFFER

** UNDER STRUCTURES PAVE BETWEEN CURB & SIDEWALK WITH 4" CONCRETE SIDEWALK OVER 4" BASE AGGREGATE DENSE 3/4-INCH.



FINISHED TYPICAL SECTION FOR STH 82
STA 150+08.03EB82 TO 159+21.98EB82
STA 150+02.01WB82 TO 159+18.49WB82

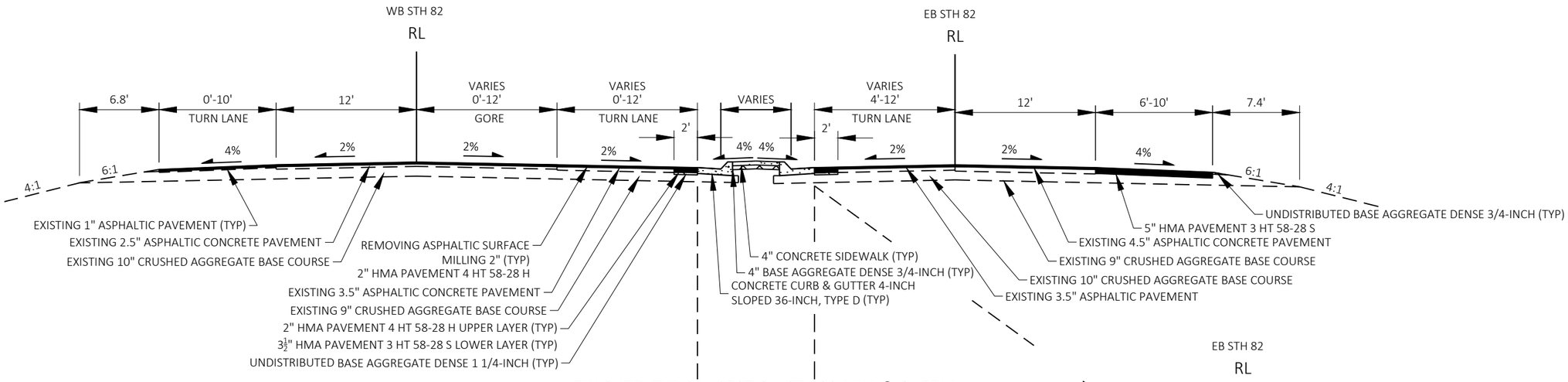
FINISHED TYPICAL SECTION FOR STH 82
STA 150+02.1WB82 TO 153+16.46WB82

NOTES

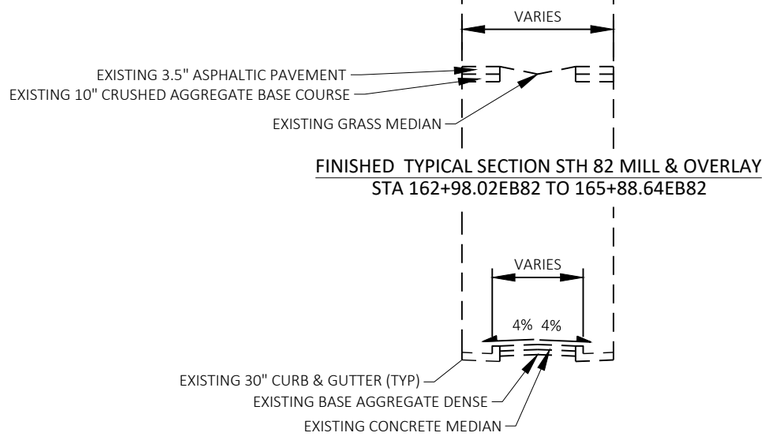
*** SEE PLAN DETAILS AND ALIGNMENT DETAILS FOR OVERTRACKING PAD LOCATIONS

**** SEE PAVING DETAILS FOR CURB TYPE CHANGES

(1) ROUT AND SEAL BETWEEN CONCRETE PAVEMENT AND HMA SHOULDERS (TYP)

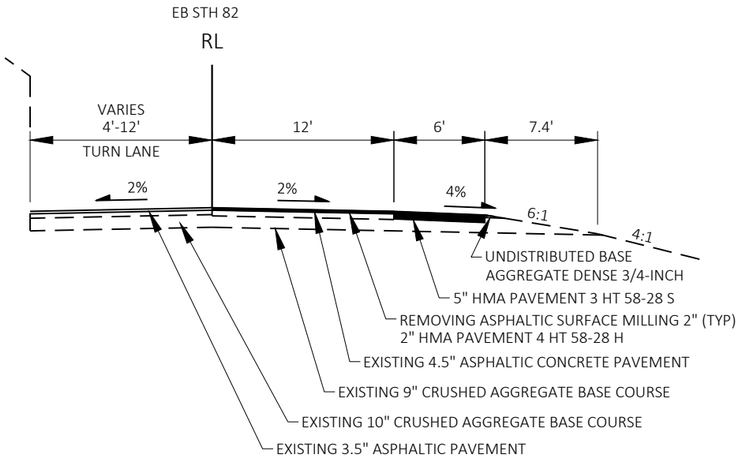


FINISHED TYPICAL SECTION STH 82 MILL & OVERLAY
STA 159+21.98EB82 TO 172+28.89EB82
STA 159+18.49WB82 TO 167+55.13WB82



FINISHED TYPICAL SECTION STH 82 MILL & OVERLAY
STA 162+98.02EB82 TO 165+88.64EB82

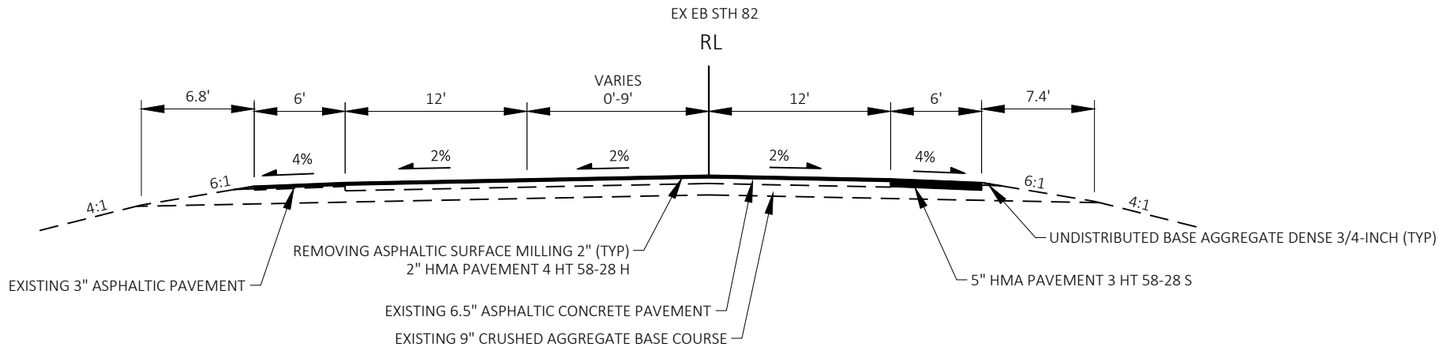
FINISHED TYPICAL SECTION STH 82 MILL & OVERLAY
STA 165+88.64EB82 TO 171+98.83EB82



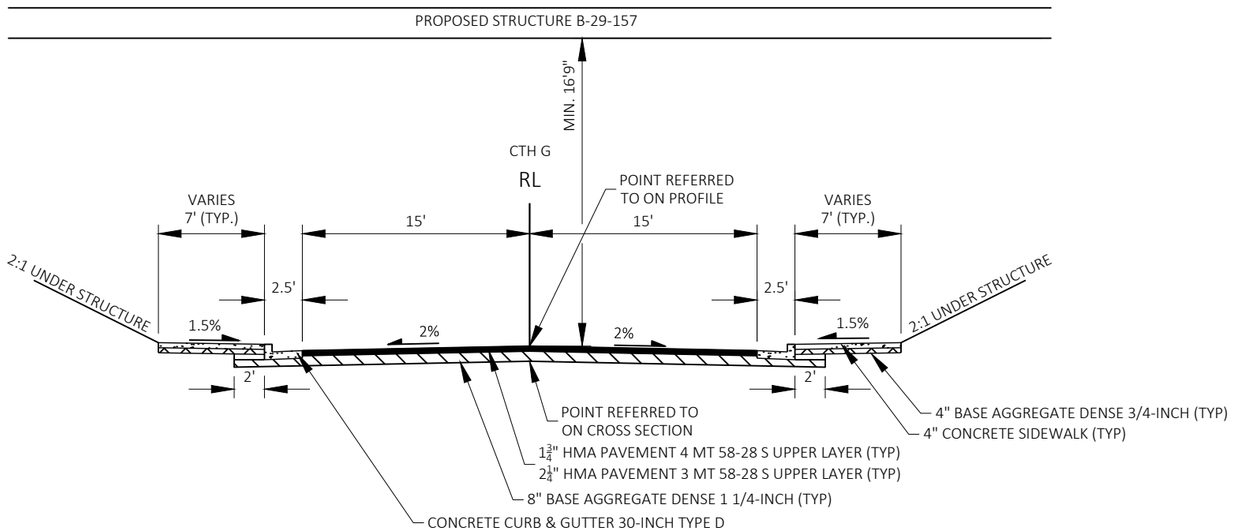
FINISHED TYPICAL SECTION STH 82 MILL & OVERLAY
STA 164+86.06EB82 TO 171+98.83EB82

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 19	E

2

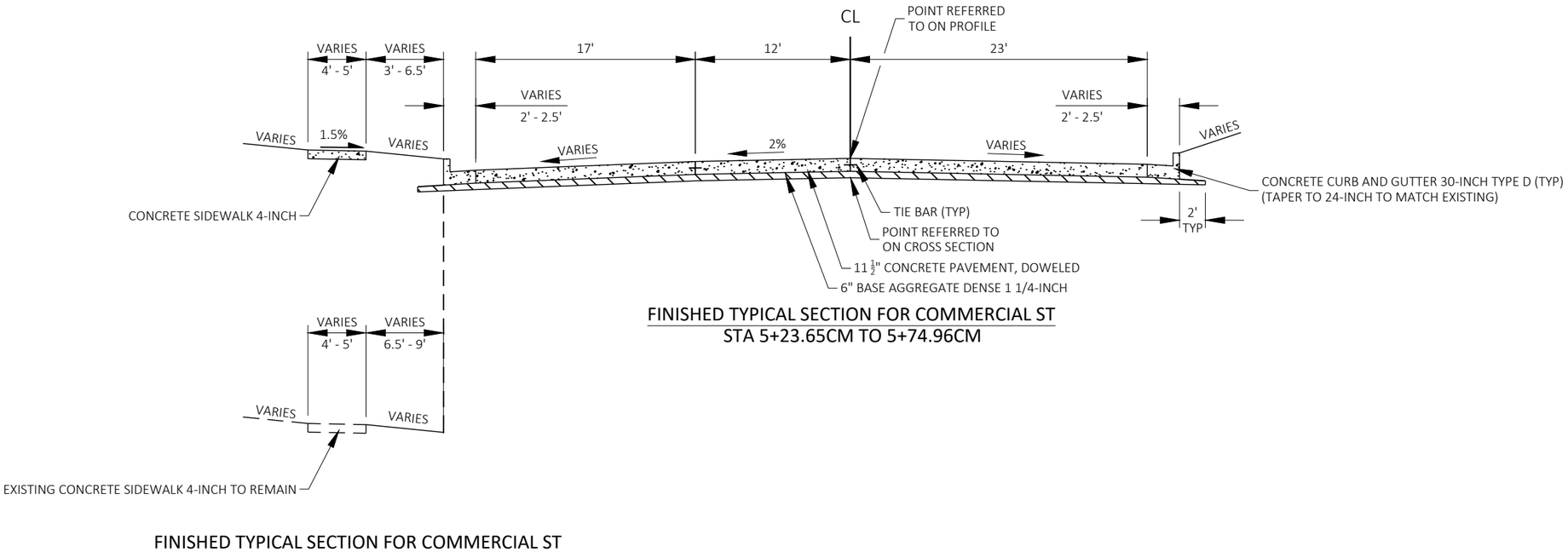


FINISHED TYPICAL SECTION STH 82
STA. 172+28.89EB82 TO 176+48.18EB82



FINISHED TYPICAL SECTION FOR CTH G
STA 21+38.28G TO 22+75.00G

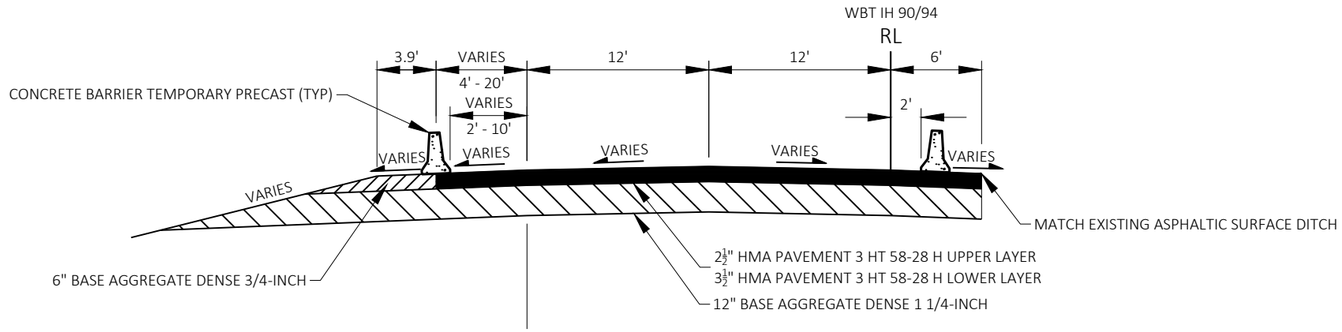
2



FINISHED TYPICAL SECTION FOR COMMERCIAL ST
STA 5+23.65CM TO 5+74.96CM

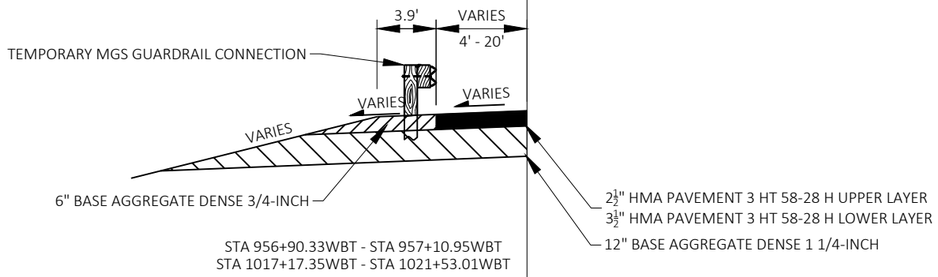
FINISHED TYPICAL SECTION FOR COMMERCIAL ST
STA 5+74.96CM TO 6+05.03CM

2

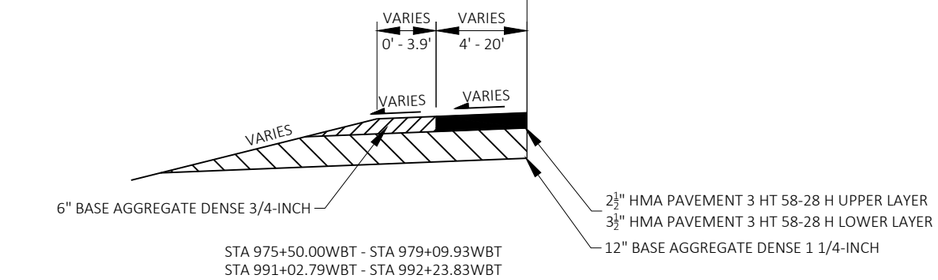


FINISHED TYPICAL SECTION FOR IH 90/94 WB TEMPORARY TRANSITIONS

STA 947+72.52WBT - STA 948+93.13WBT
STA 956+90.33WBT - STA 957+10.95WBT
STA 975+50.00WBT - STA 982+25.00WBT
STA 989+53.01WBT - STA 992+23.83WBT
STA 1006+10.59WBT - STA 1008+81.60WBT
STA 1017+17.35WBT - STA 1021+53.01WBT

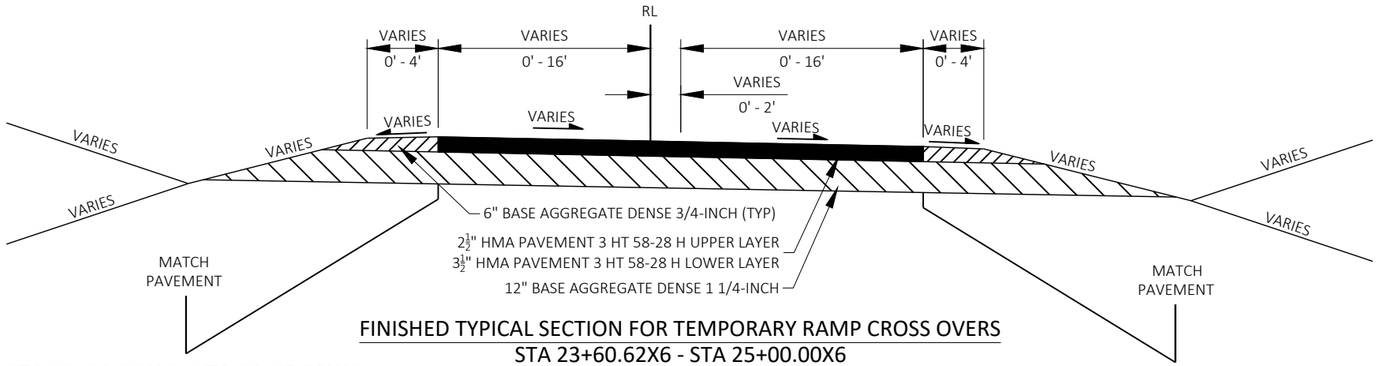


STA 956+90.33WBT - STA 957+10.95WBT
STA 1017+17.35WBT - STA 1021+53.01WBT



STA 975+50.00WBT - STA 979+09.93WBT
STA 991+02.79WBT - STA 992+23.83WBT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 22	E

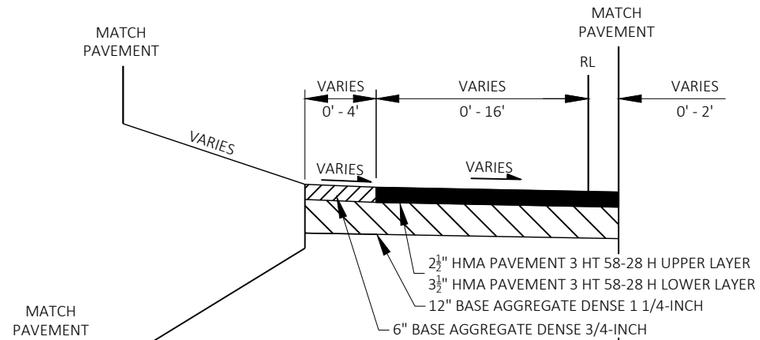


FINISHED TYPICAL SECTION FOR TEMPORARY RAMP CROSS OVERS

STA 23+60.62X6 - STA 25+00.00X6
STA 33+84.60X10 - STA 38+05.08X10
STA 30+00.00X12 - STA 33+53.22X12

STA 33+84.60X10 - STA 34+85.55X10
STA 30+00.00X12 - STA 31+35.44X12

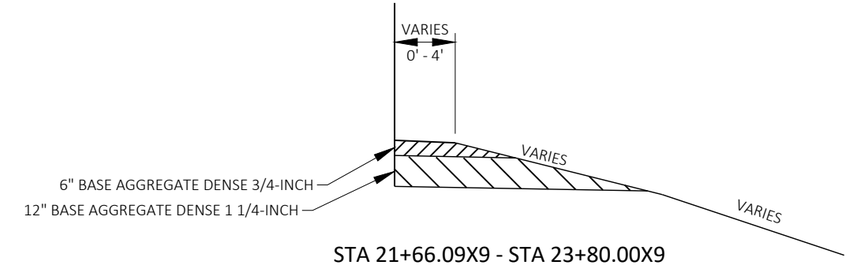
STA 36+69.22X10 - STA 38+05.08X10
STA 32+77.58X12 - STA 33+53.22X12



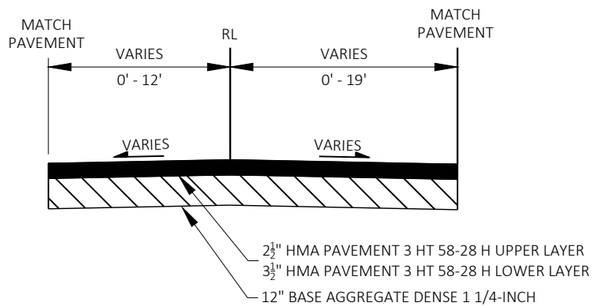
FINISHED TYPICAL SECTION FOR TEMPORARY RAMP CROSS OVERS

STA 20+00.00X9 - STA 24+01.82X9

STA 22+21.98X9 - STA 24+01.82X9



STA 21+66.09X9 - STA 23+80.00X9

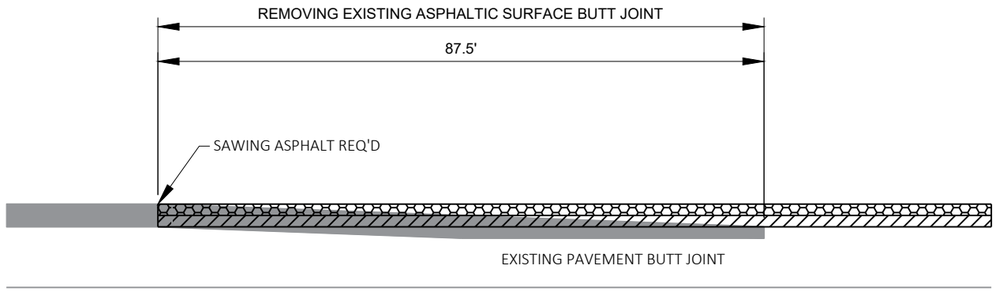


FINISHED TYPICAL SECTION FOR TEMPORARY RAMP CROSS OVERS

STA 20+24.80X3 - STA 26+87.60X3
STA 35+70.67X5 - STA 47+27.16X5
STA 20+34.53X7 - STA 31+88.77X7
STA 33+93.40X8 - STA 45+55.91X8
STA 20+00.00X11 - STA 22+19.43X11

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TYPICAL SECTIONS	SHEET 23	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\020301_TS.DWG
LAYOUT NAME - 020317_ts
PLOT DATE : 10/27/2021 6:30 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



$3\frac{1}{2}$" EXISTING ASPHALTIC PAVEMENT

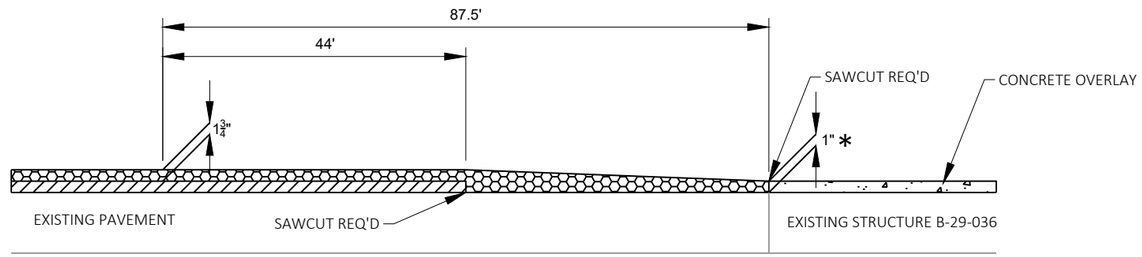
$1\frac{3}{4}$" HMA PAVEMENT 4 SMA 58-28 V

$1\frac{3}{4}$" HMA PAVEMENT 4 HT 58-28 H

BUTT JOINT DETAIL

NOT TO SCALE

STA 947+02.97EB - STA 947+90.47EB



$1\frac{3}{4}$" HMA PAVEMENT 4 SMA 58-28 V

$1\frac{3}{4}$" HMA PAVEMENT 4 HT 58-28 H

TRANSISTION DETAIL

NOT TO SCALE

B-29-36

NOTE:

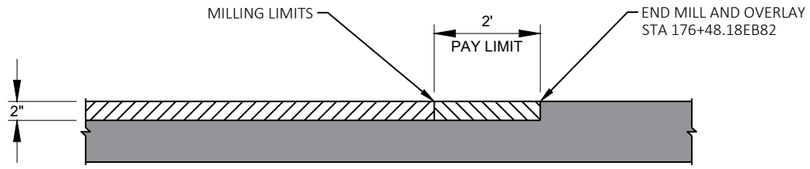
* MATCH CONCRETE OVERLAY OF B-29-036

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE: TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 96.80 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 63.83 ACRES



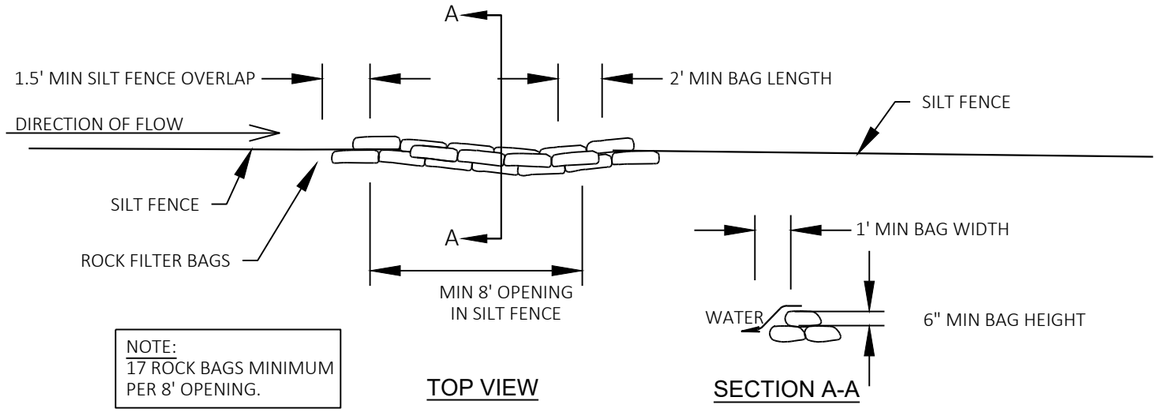
EXISTING PAVEMENT TO REMAIN

REMOVING ASPHALTIC SURFACE BUTT JOINT

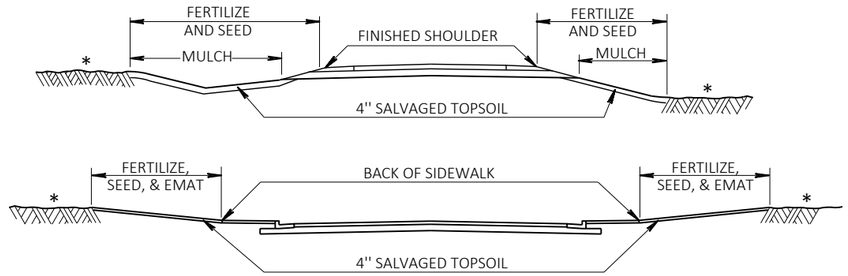
REMOVING ASPHALTIC SURFACE MILLING

BUTT JOINT DETAIL (NO PROFILE CHANGE)

NOT TO SCALE

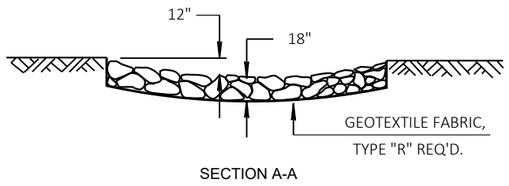


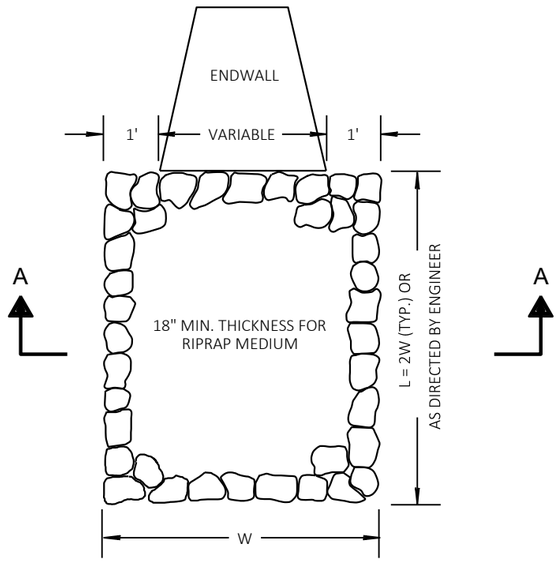
ROCK BAGS USED FOR SILT FENCE RELIEF



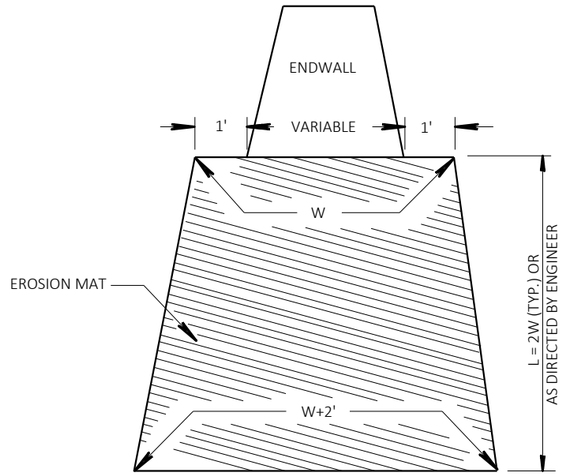
* DISTURBED AREAS TO BE FERTILIZED & SEEDED

DETAIL FOR FINISHING ITEMS



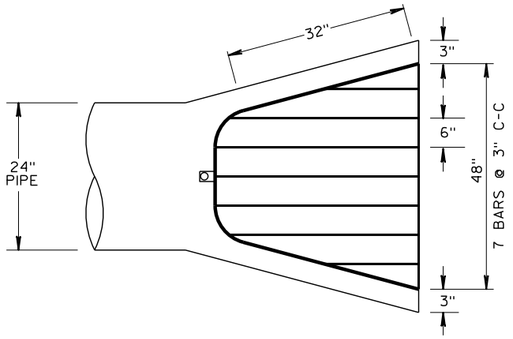


RIPRAP MEDIUM TREATMENT AT CULVERTS

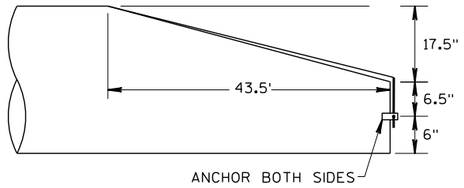


EROSION MAT TREATMENT AT CULVERTS

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CONSTRUCTION DETAILS	SHEET 25	E

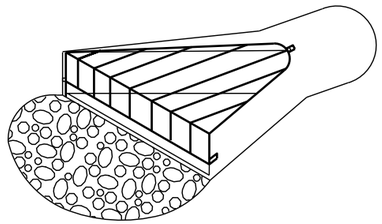


TOP VIEW



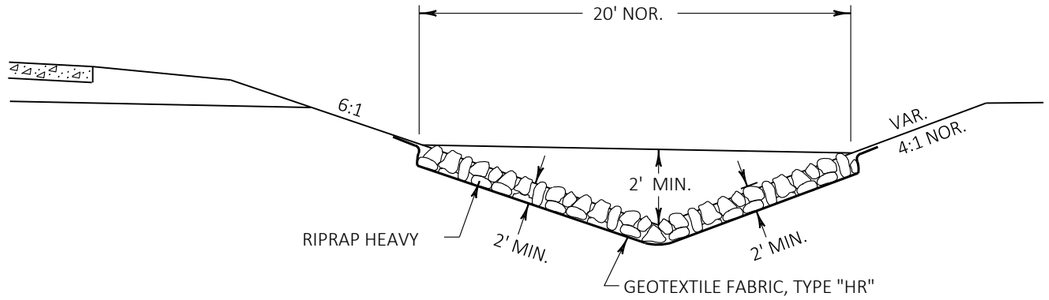
SIDE VIEW

STANDARD DETAILS
FLARED END SECTION
AND TRASH GUARD

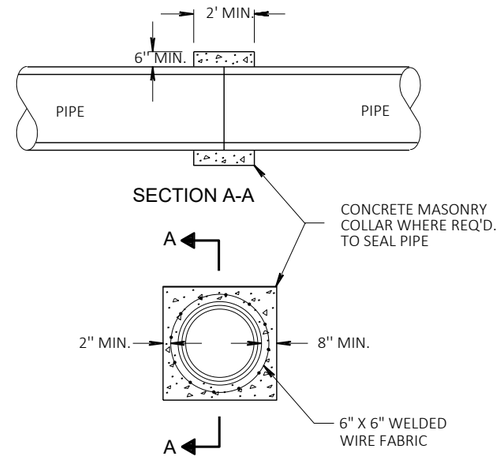


¾" DIA. STEEL REBAR
PAINTED WITH 2 COATS
OF GALVINIZED PAINT

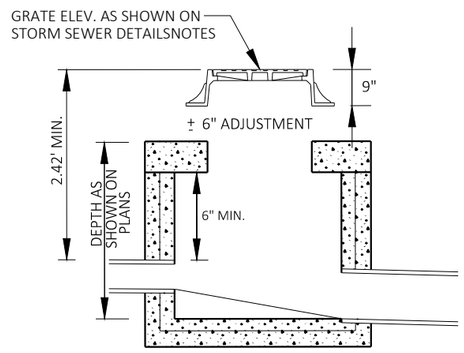
PIPE GRATE DETAIL



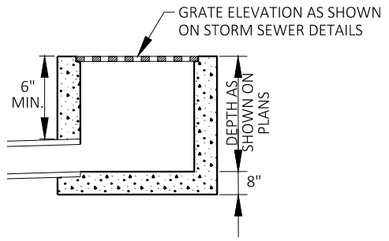
DETAIL OF RIPRAP HEAVY DITCH



CONCRETE COLLAR DETAIL

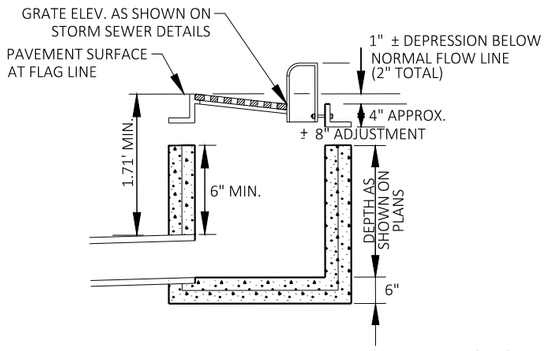


DETAIL FOR COMPUTING MANHOLE ELEVATIONS



DETAIL FOR COMPUTING INLET ELEVATIONS

INLETS MEDIAN 1 & 2 GRATES

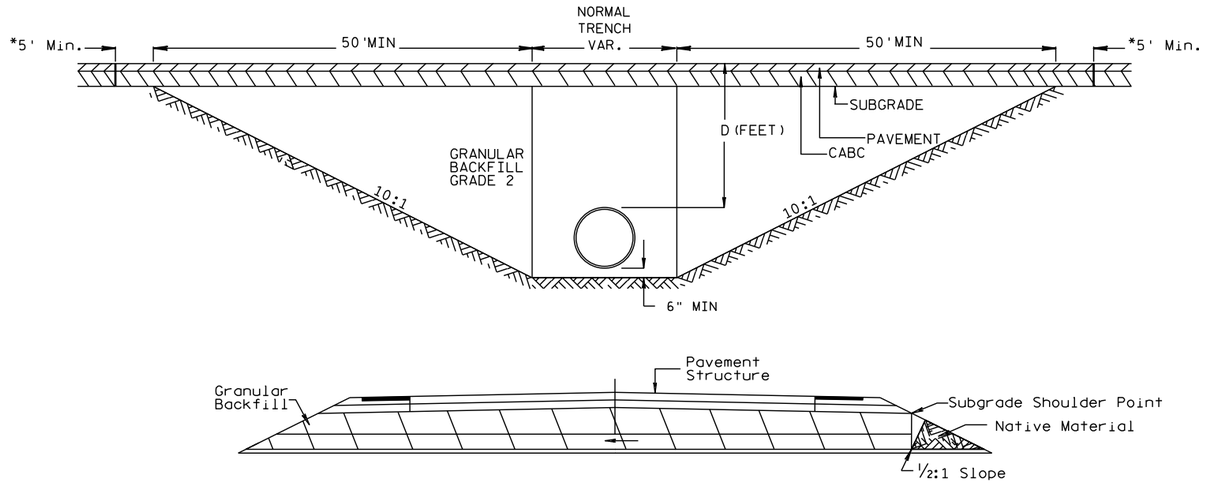


DETAIL FOR COMPUTING INLET ELEVATIONS

INLET COVERS - H

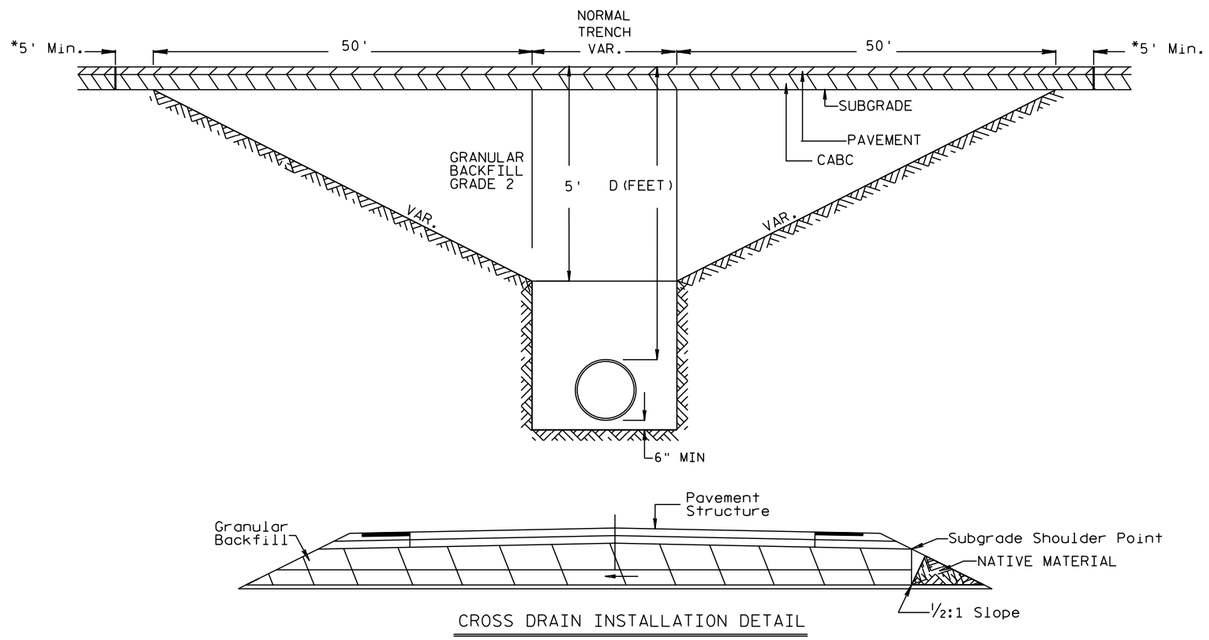
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CONSTRUCTION DETAILS	SHEET 26	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021001_CD.DWG
LAYOUT NAME - 021003_cd
PLOT DATE : 10/27/2021 6:31 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

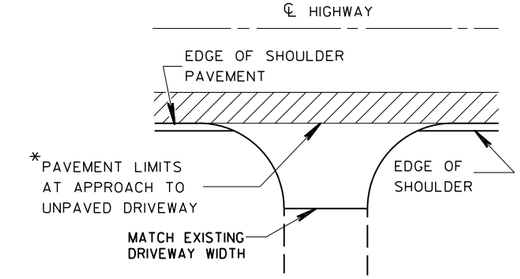


CROSS DRAIN INSTALLATION DETAIL
FOR D ≤ 5'

* Pavement Removal Limits (Typical)

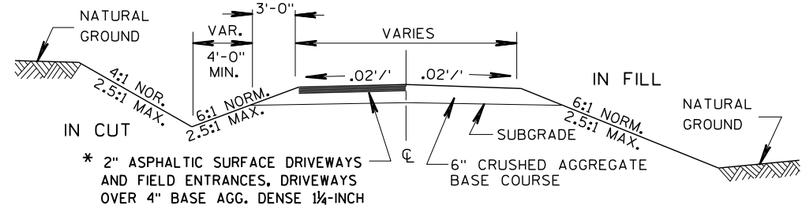


CROSS DRAIN INSTALLATION DETAIL
FOR D ≥ 5'



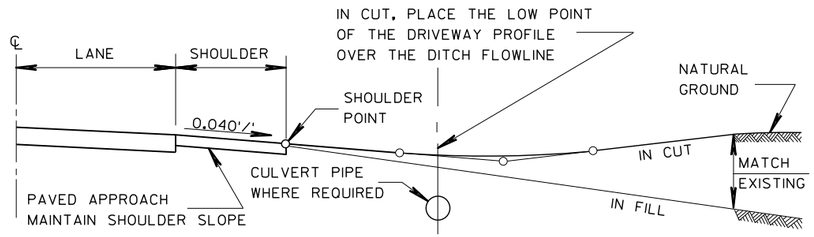
*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)
DRIVEWAY INTERSECTION DETAIL

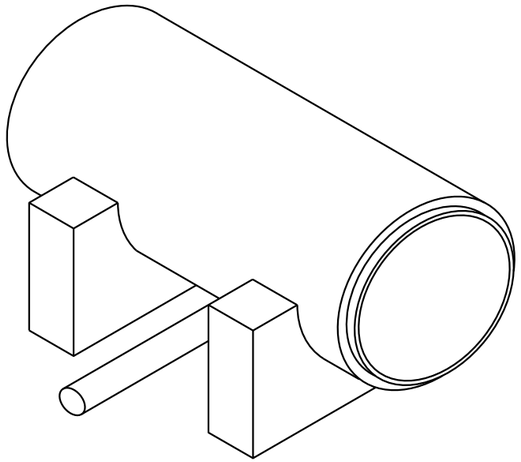


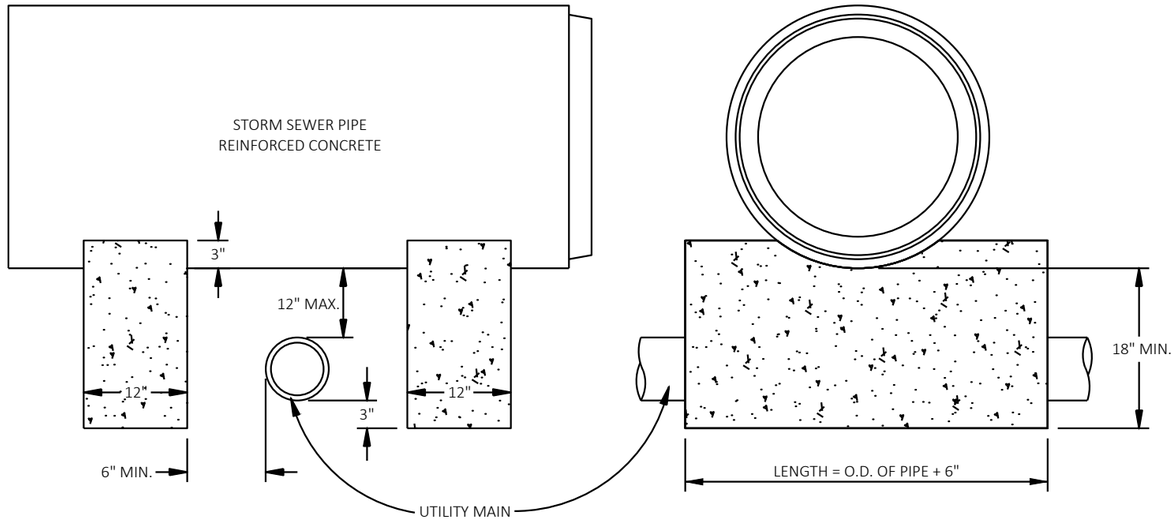
* OR MATCH EXIST. ASPH. DEPTH

TYPICAL CROSS SECTION FOR PRIVATE
DRIVE OR FIELD ENTRANCE



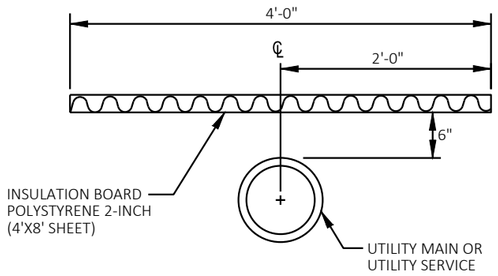
TYPICAL DRIVEWAY PROFILES



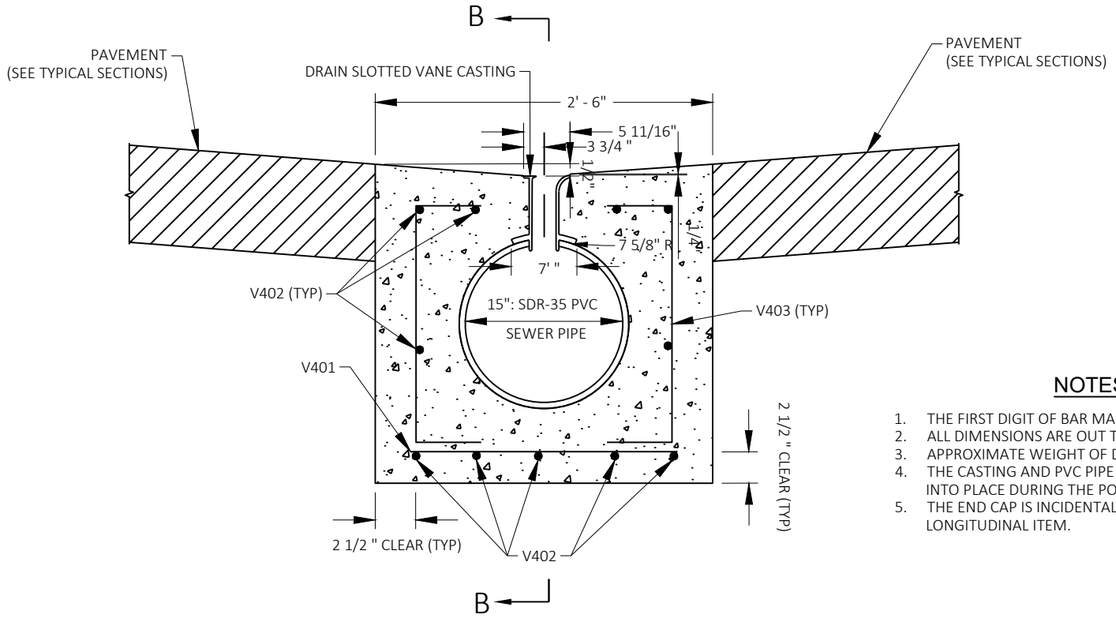


NOTE:
1. FIELD POURED, CONCRETE PIPE SUPPORT SHALL BE INSTALLED FOR STORM SEWERS WHEN CLEARANCE BETWEEN BOTTOM OF PIPE AND TOP OF CROSSING PIPE IS 12-INCHES OR LESS.

CONCRETE PIPE SUPPORT DETAIL
SCALE: NONE



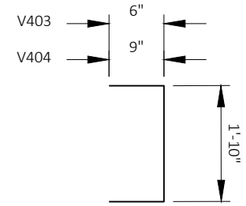
PIPE INSULATION DETAIL
SCALE: NONE



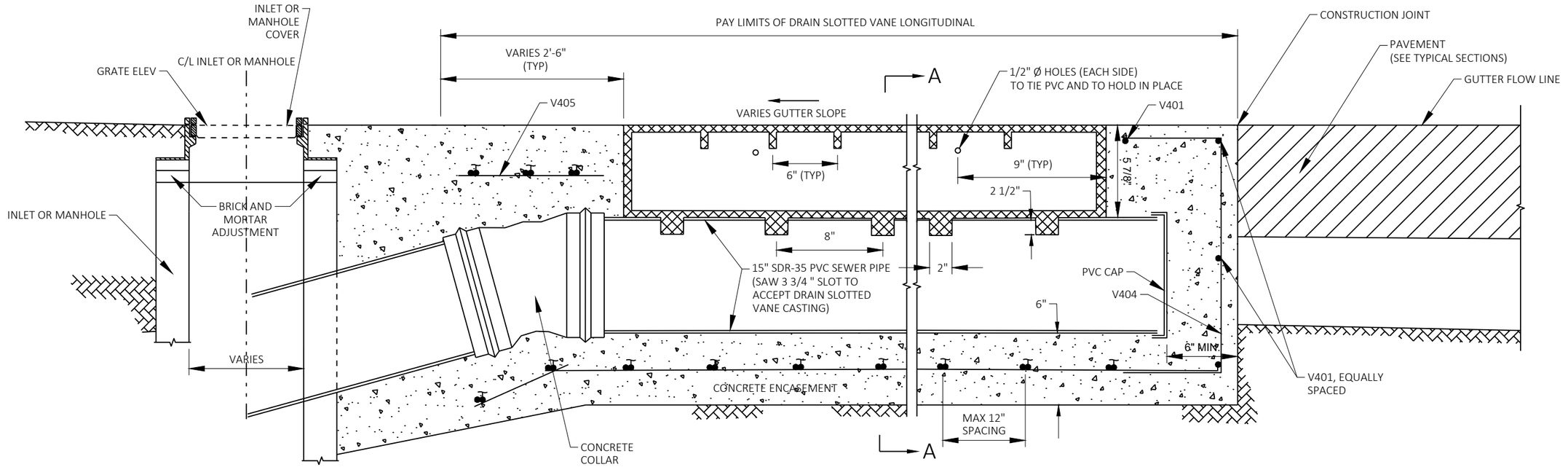
SECTION A-A

NOTES

1. THE FIRST DIGIT OF BAR MARK SIGNIFIES THE BAR SIZE
2. ALL DIMENSIONS ARE OUT TO OUT OF BAR
3. APPROXIMATE WEIGHT OF DRAIN SLOTTED VANE CASTING = 87 POUNDS
4. THE CASTING AND PVC PIPE SHALL BE SECURELY STAKED AND ANCHORED INTO PLACE DURING THE POURING OF THE CONCRETE ENCASEMENT
5. THE END CAP IS INCIDENTAL TO THE DRAIN SLOTTED VANE LONGITUDINAL ITEM.

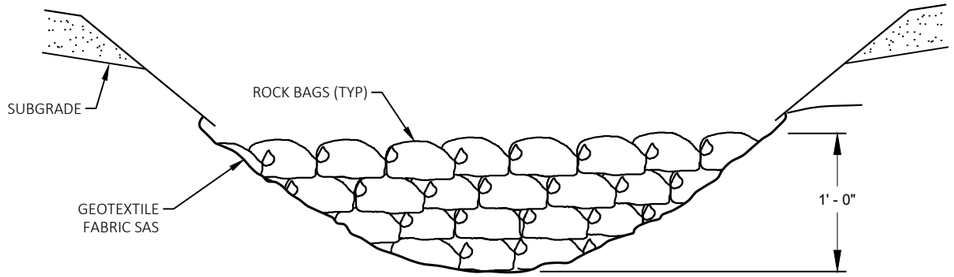


V403, V404

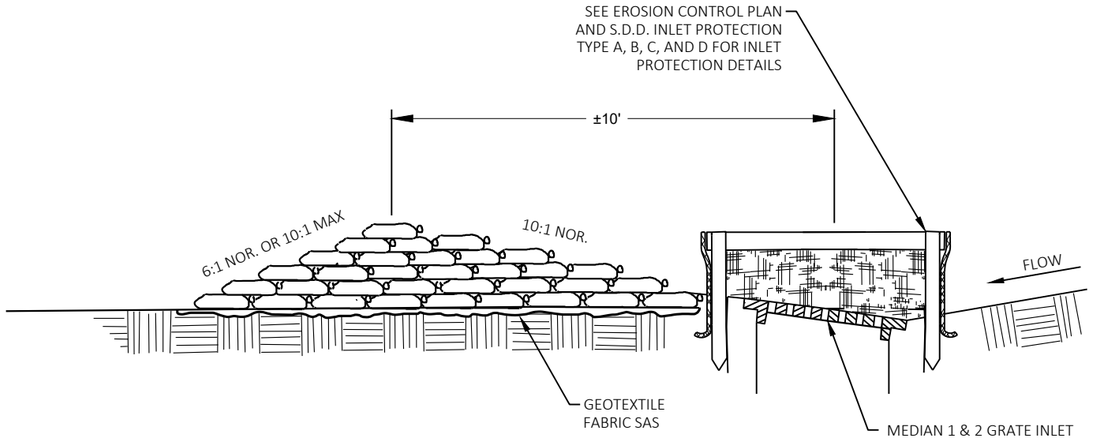


SECTION B-B

DRAIN SLOTTED VANE LONGITUDINAL

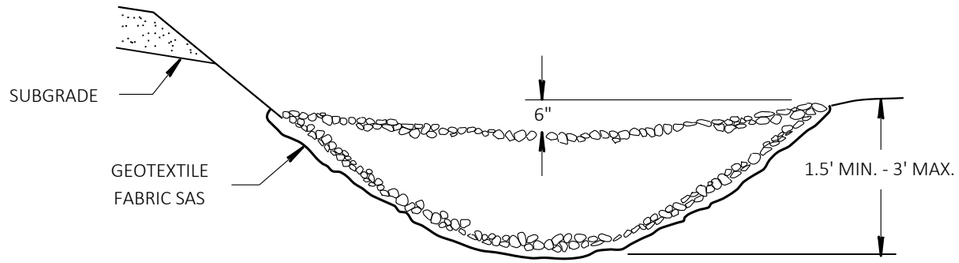


CROSS SECTIONAL VIEW

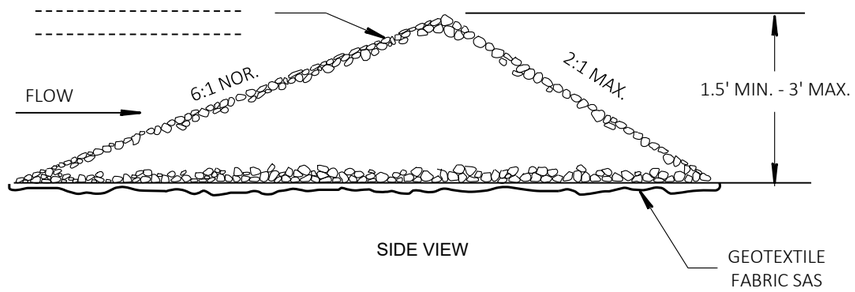


SIDE VIEW

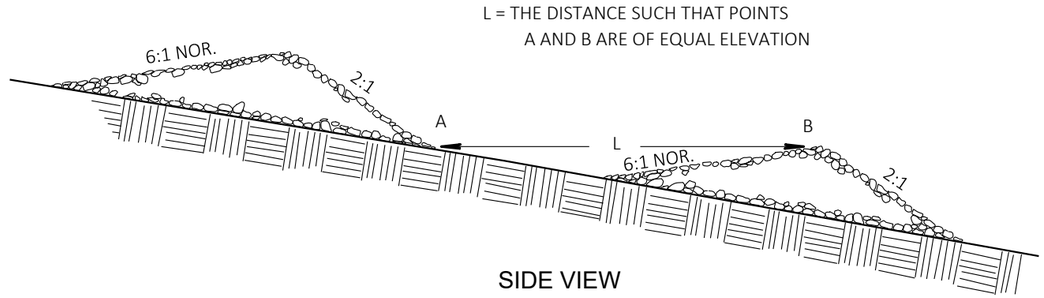
DITCH DIKE DETAIL



CROSS SECTIONAL VIEW

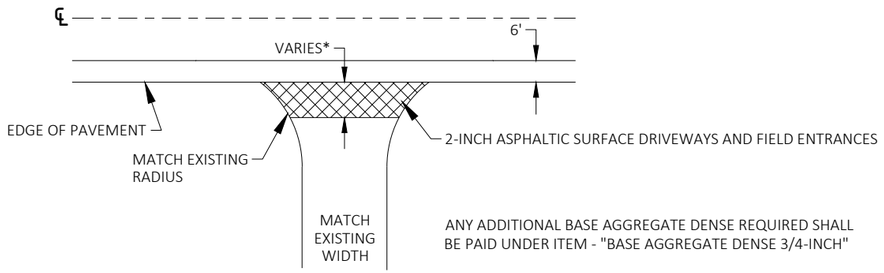


SIDE VIEW

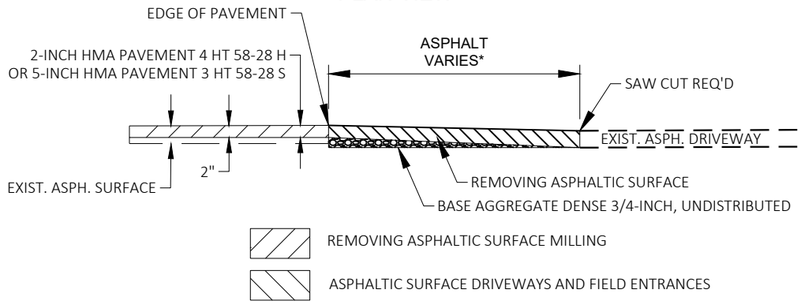


SIDE VIEW

PERMANENT STONE DITCH CHECK



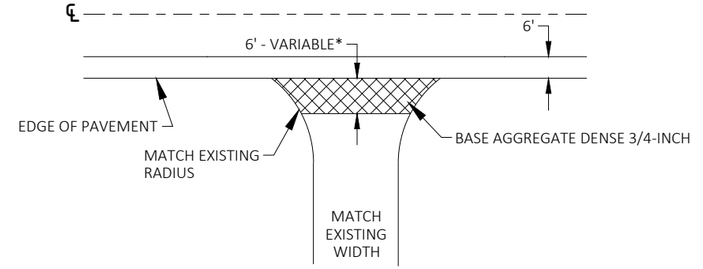
PLAN VIEW



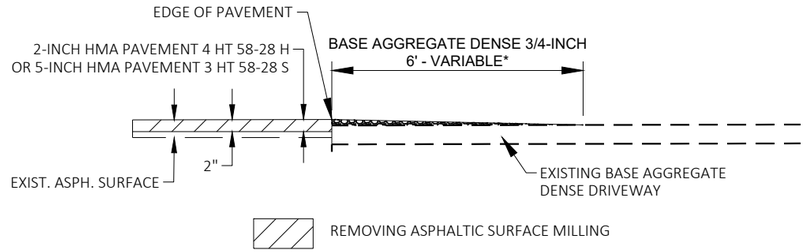
ELEVATION VIEW

ASPHALTIC DRIVEWAY DETAIL FOR MILL AND OVERLAY

* EXACT DIMENSIONS TO BE DETERMINED
BY ENGINEER IN THE FIELD



PLAN VIEW

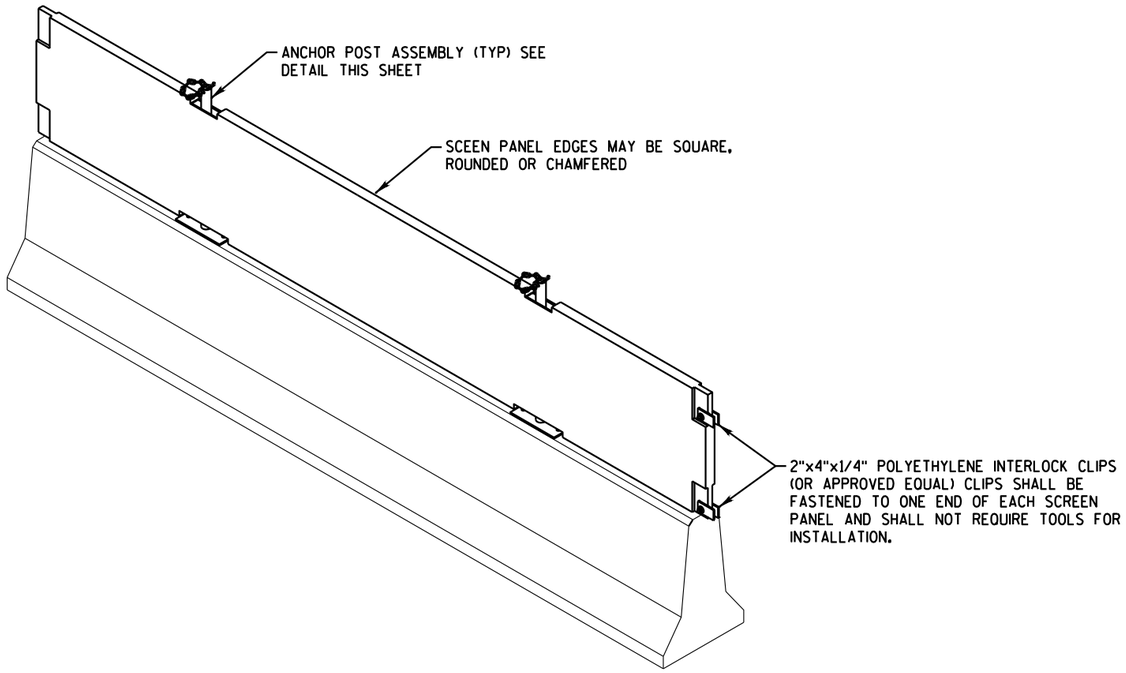


ELEVATION VIEW

BASE AGGREGATE DRIVEWAY DETAIL FOR MILL AND OVERLAY

* EXACT DIMENSIONS TO BE DETERMINED
BY ENGINEER IN THE FIELD

2



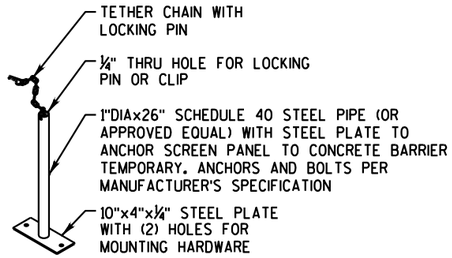
NOTE:

THE DESIGN OF THIS ITEM, WHICH INCLUDES ALL ASPECTS SHOWN, SHALL BE DESIGNED SO THAT THE SCREEN IS CAPABLE OF REMAINING IN PLACE FROM TRAFFIC GUSTS, WIND GUSTS, AND OTHER OUTDOOR ELEMENTS THAT MAY MOVE OR DISPLACE THE SCREEN.

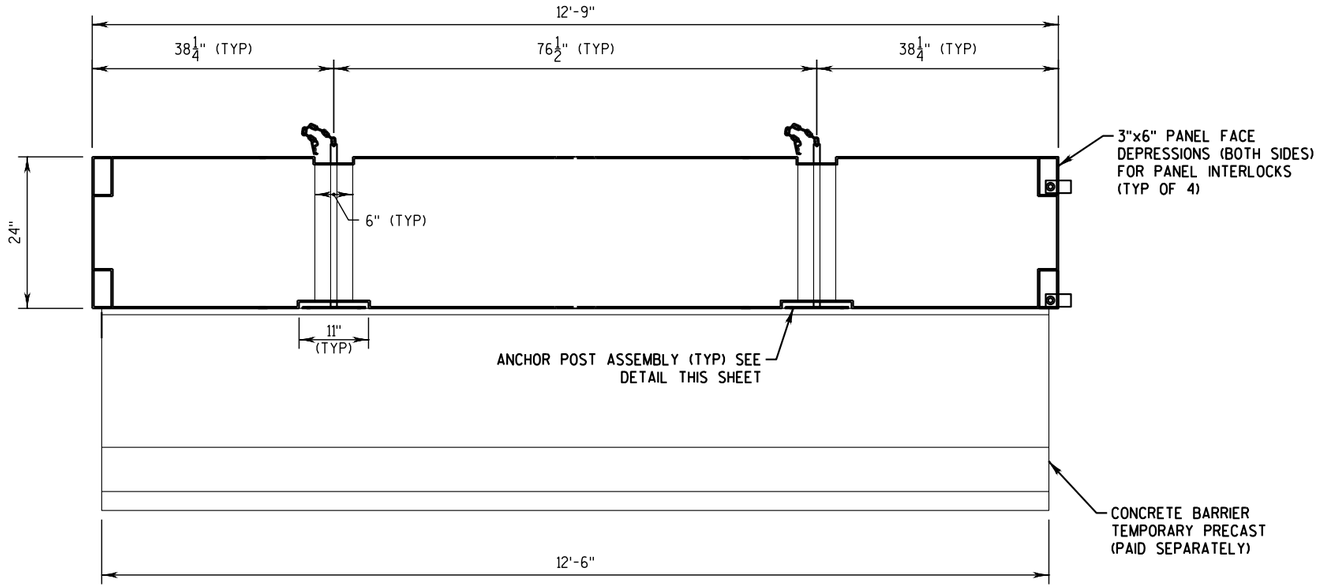
VENT HOLES THROUGH THE SCREEN PANEL ARE PERMITTED BUT NOT REQUIRED. IF VENT HOLES ARE USED, THE HOLES SHALL NOT EXCEED 3-INCHES IN DIAMETER AND SHALL BE LIMITED TO 24 OR LESS PER PANEL.

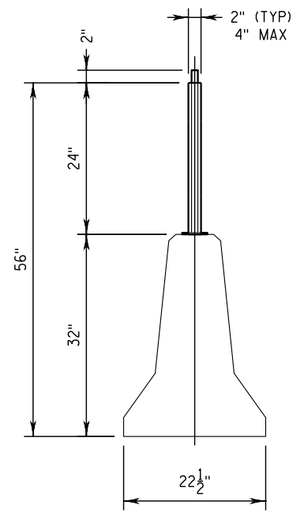
SCREEN PANELS SHALL HAVE A NON-REFLECTIVE MAT OR FLAT GRAY FINISH OR PAINTED SURFACE.

SHOP DRAWINGS WITH A FULL SIZE SAMPLE SHALL BE PROVIDED TO THE REGION FOR APPROVAL PRIOR TO USE.



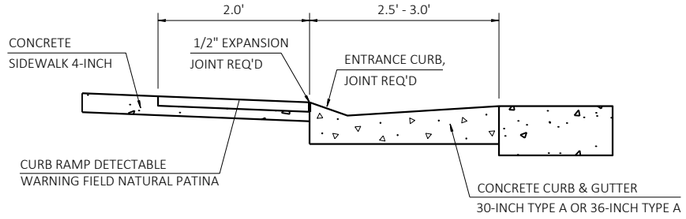
ANCHOR POST ASSEMBLY



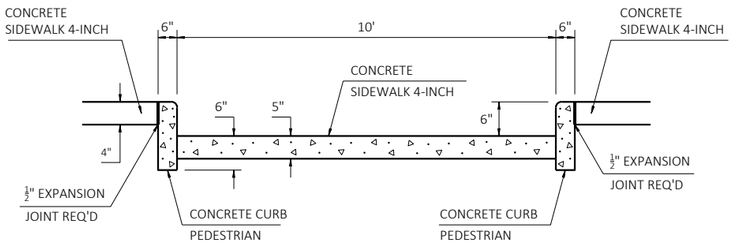


TRAFFIC CONTROL GAWK SCREEN

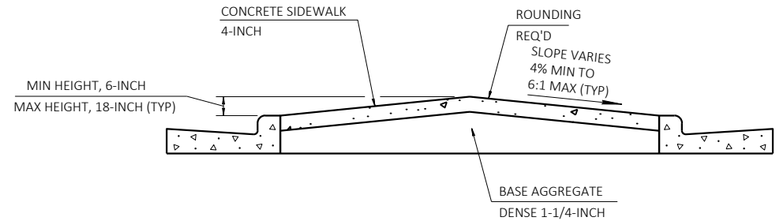
2



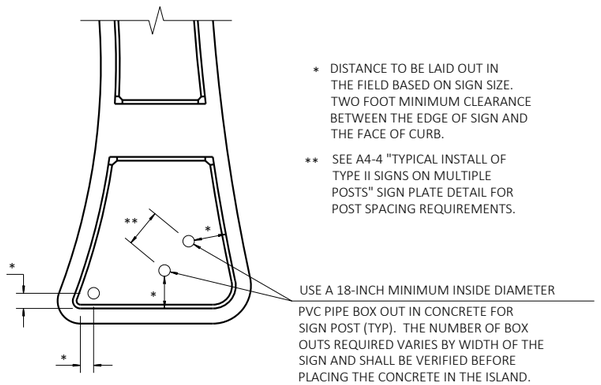
SECTION A-A



SECTION B-B



SECTION C-C

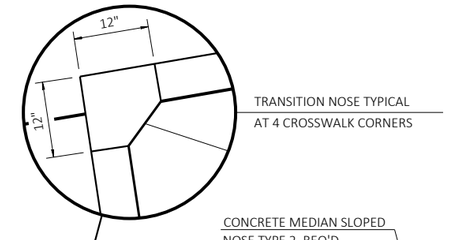


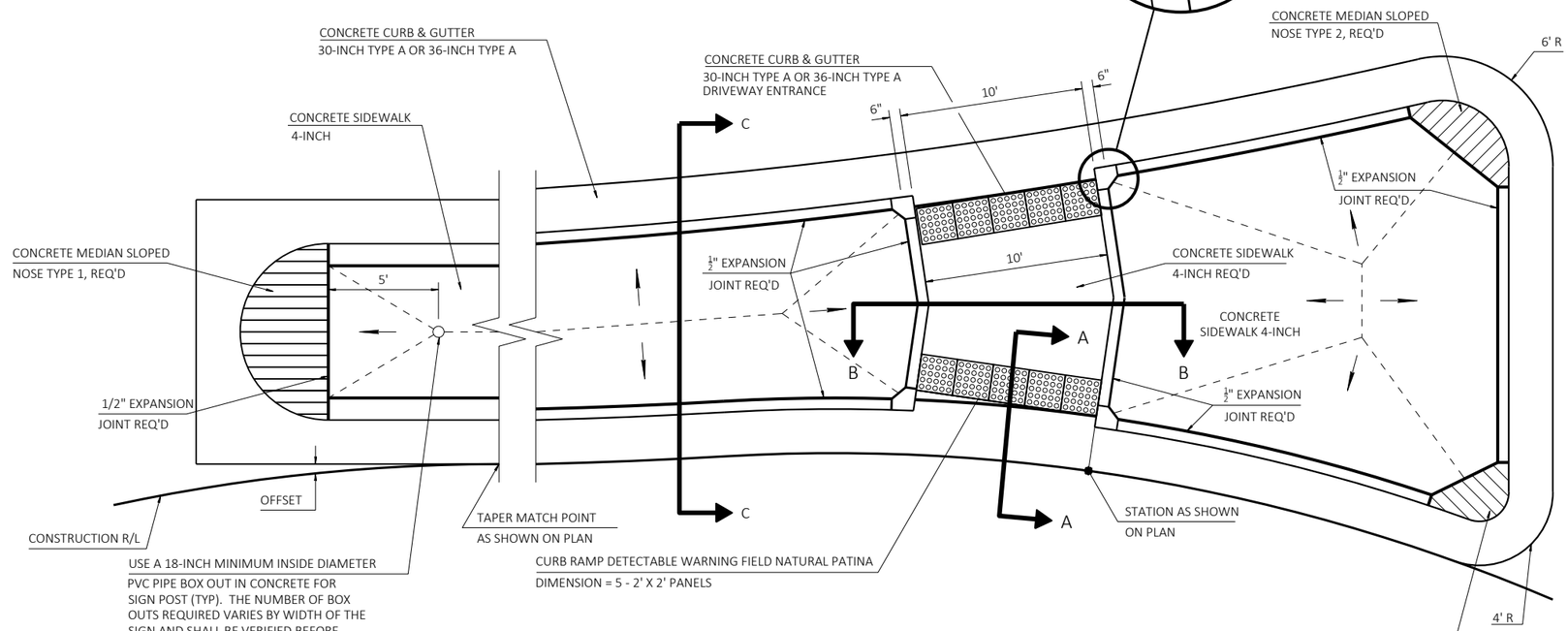
* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

** SEE A4-4 "TYPICAL INSTALL OF TYPE II SIGNS ON MULTIPLE POSTS" SIGN PLATE DETAIL FOR POST SPACING REQUIREMENTS.

USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

ISLAND SIGN LOCATION DETAIL (TYP)





NOTE: INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

DRAINAGE BREAK POINT

DIRECTION OF DRAINAGE

SPLITTER ISLAND DETAIL

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN: CONSTRUCTION DETAILS	SHEET 33	E

2

N

'C'+39.15
0.00'

BEGIN LIMITS
CONSTRUCTION ROUNDABOUT STAKING - IH 90 EB RAMP
STA 978+39.15C

7+00 WB82

979+00 C

EASTBOUND OFF RAMP 'C'

8+00 WB82

980+00 C

13+00 WBNW

8+00 WBR

EASTBOUND IH 90/94

WESTBOUND IH 90/94

BEGIN LIMITS
CONSTRUCTION ROUNDABOUT STAKING - IH 90 EB RAMP
STA 138+41.03EB82 & STA 138+42.71WB82

'WB82'+42.71
0.00'

12+00 WBNW

10+00 WB82

13+00 WRAB

11+00 WBNW

141+00 WB82

142+00 WB82

12+00 WRAB CC

11+00 WB82

12+00 W82I

13+00 W82I

138+00 WB82

139+00 WB82

140+00 WB82

140+00 EB82

139+00 EB82

141+00 EB82

WESTBOUND STH 82

143+00 WB82

144+00 WB82

145+00 WB82

12+00 WSN

11+00 WSN

11+00 WBP

8+00 WRAB CC

142+00 EB82

143+00 EB82

144+00 EB82

145+00 EB82

10+00 WBR

SOUTHWEST BYPASS LANE

11+00 WBR

12+00 WBP

11+00 WRAB

13+00 E82R

14+00 E82R

EASTBOUND STH 82

15+00 E82R

16+00 E82R

MATCH LINE 145+50WB82

'EB82'+41.03
0.00'

END LIMITS
CONSTRUCTION ROUNDABOUT STAKING - IH 90 EB RAMP
STA 981+82.80D

'D'+82.80
0.00'

13+00 E82R

EASTBOUND ON RAMP 'D'

END LIMITS
CONSTRUCTION ROUNDABOUT STAKING - IH 90 EB RAMP
BEGIN LIMITS
CONSTRUCTION ROUNDABOUT STAKING - IH 90 WB RAMP
STA 145+50.00EB82 & STA 145+47.43WB82

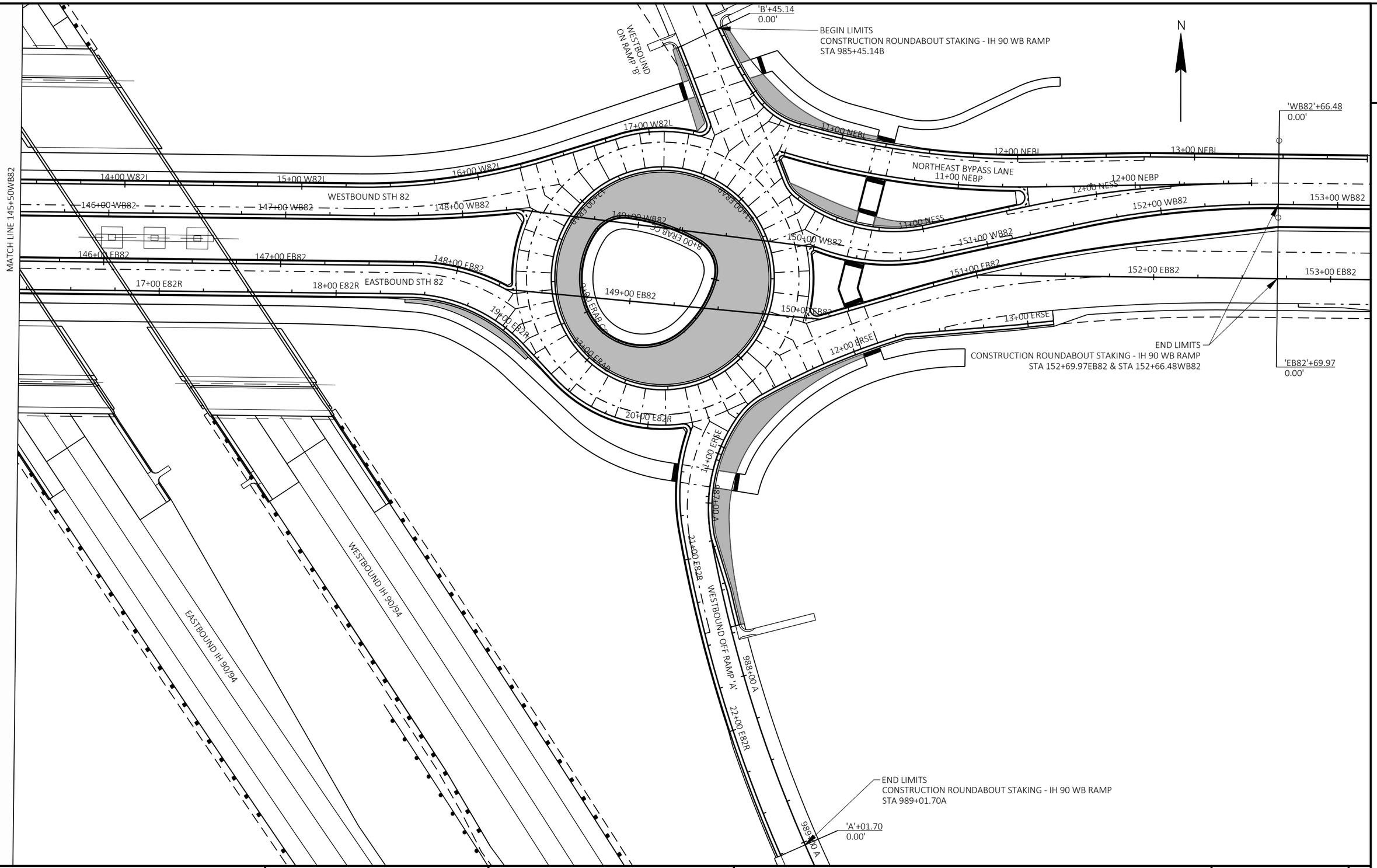
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CONSTRUCTION DETAILS - CONSTRUCTION ROUNDABOUT STAKING	SHEET 34	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021003_CD.DWG
LAYOUT NAME - 01

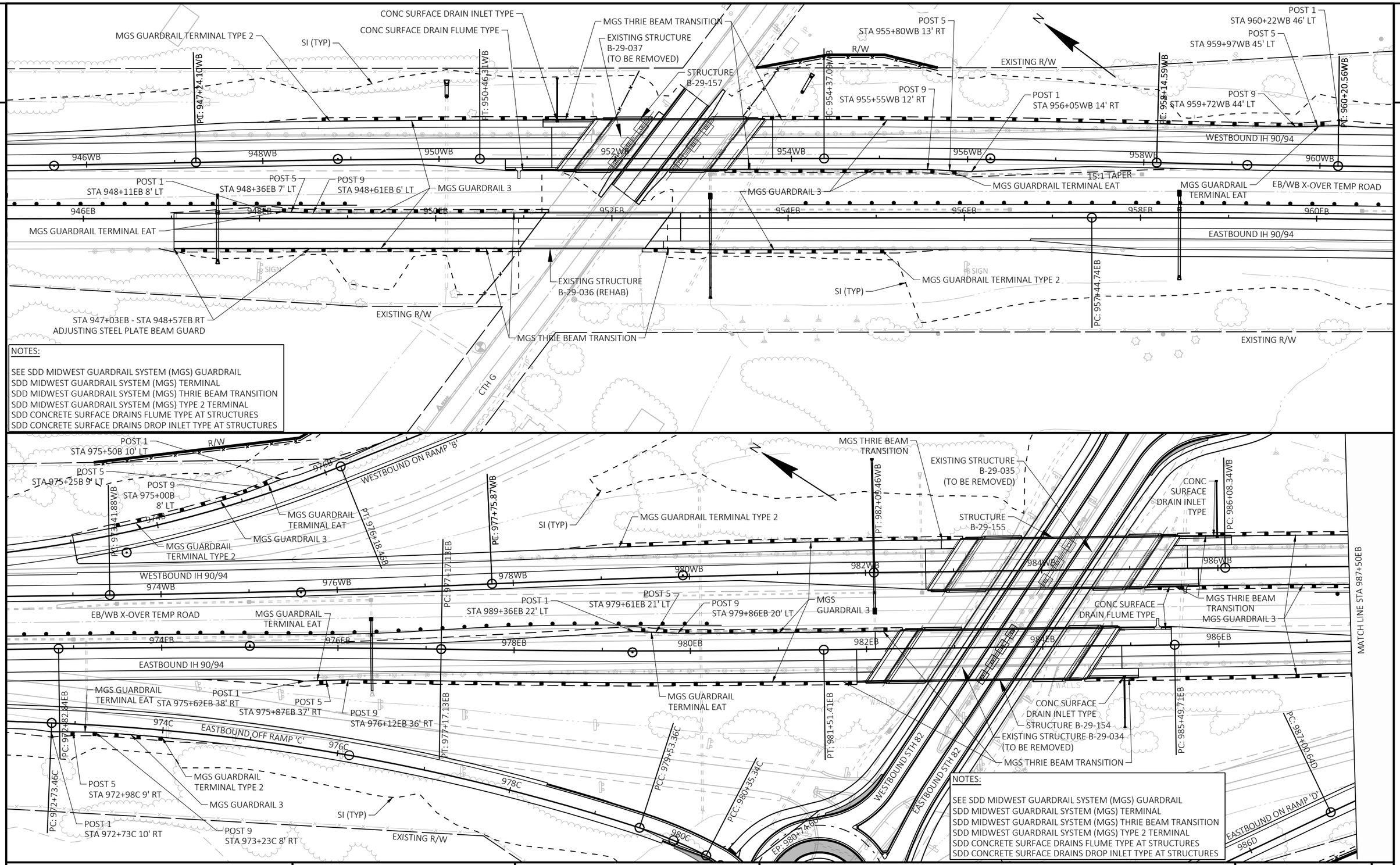
PLOT DATE : 10/27/2021 6:33 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

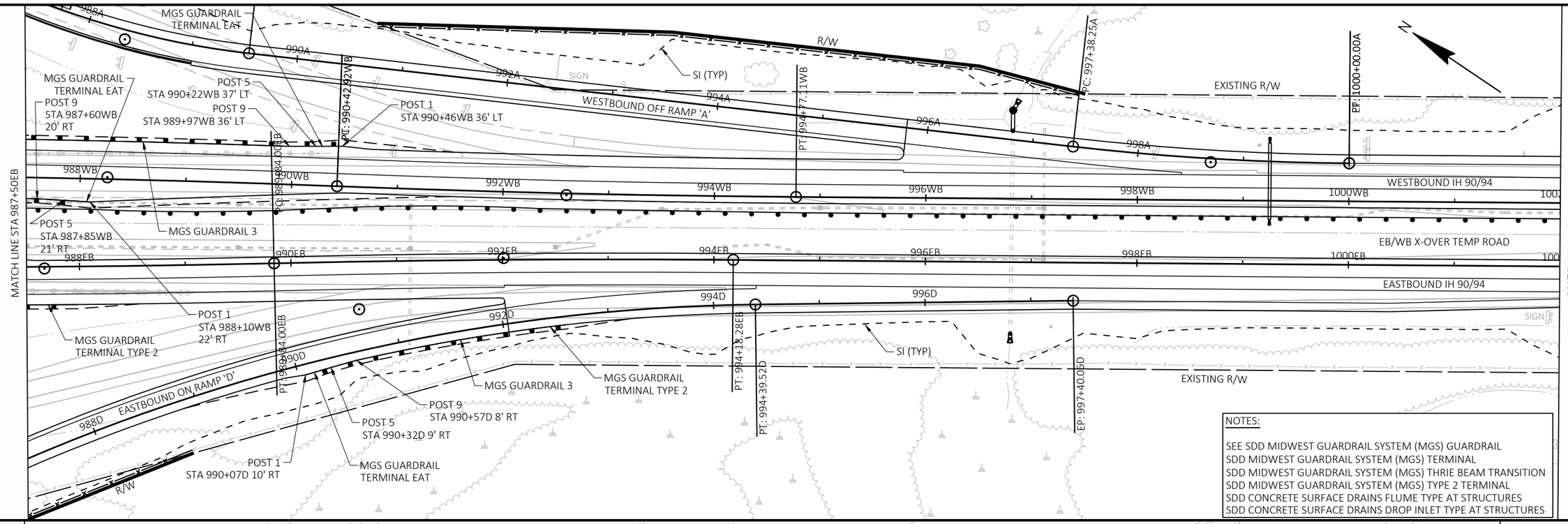


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CONSTRUCTION DETAILS - CONSTRUCTION ROUNDABOUT STAKING	SHEET 35	E



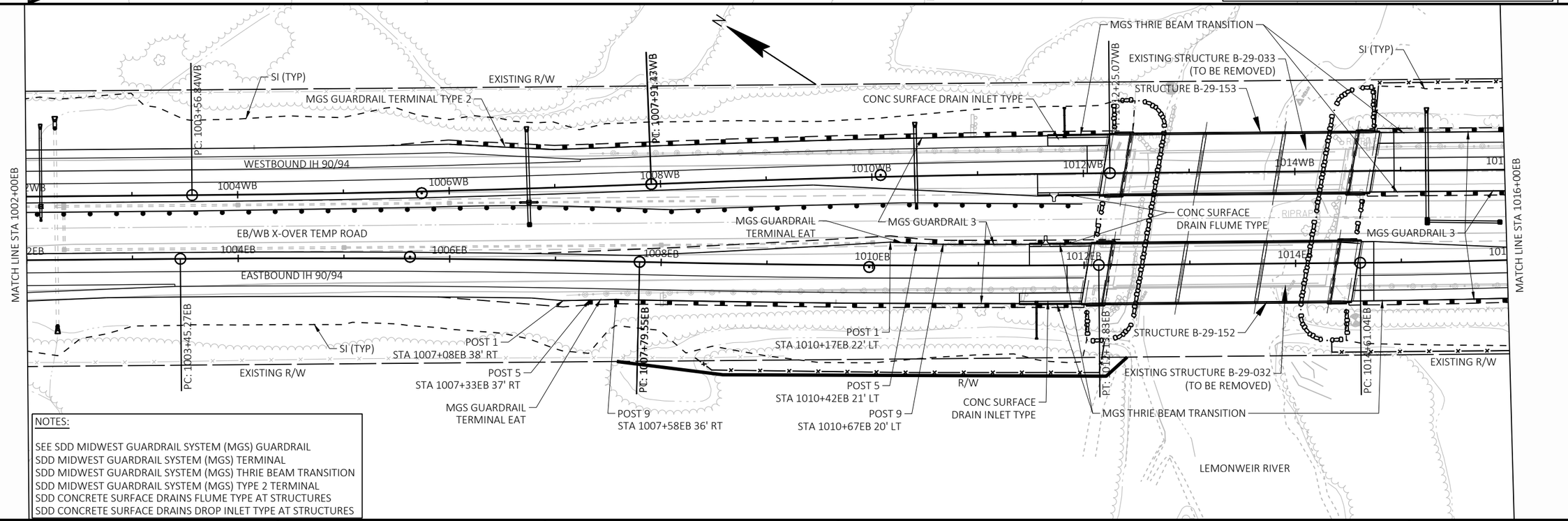
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	GUARDRAIL DETAILS	SHEET 36	E

2



NOTES:

SEE SDD MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
SDD MIDWEST GUARDRAIL SYSTEM (MGS) TERMINAL
SDD MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION
SDD MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
SDD CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
SDD CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

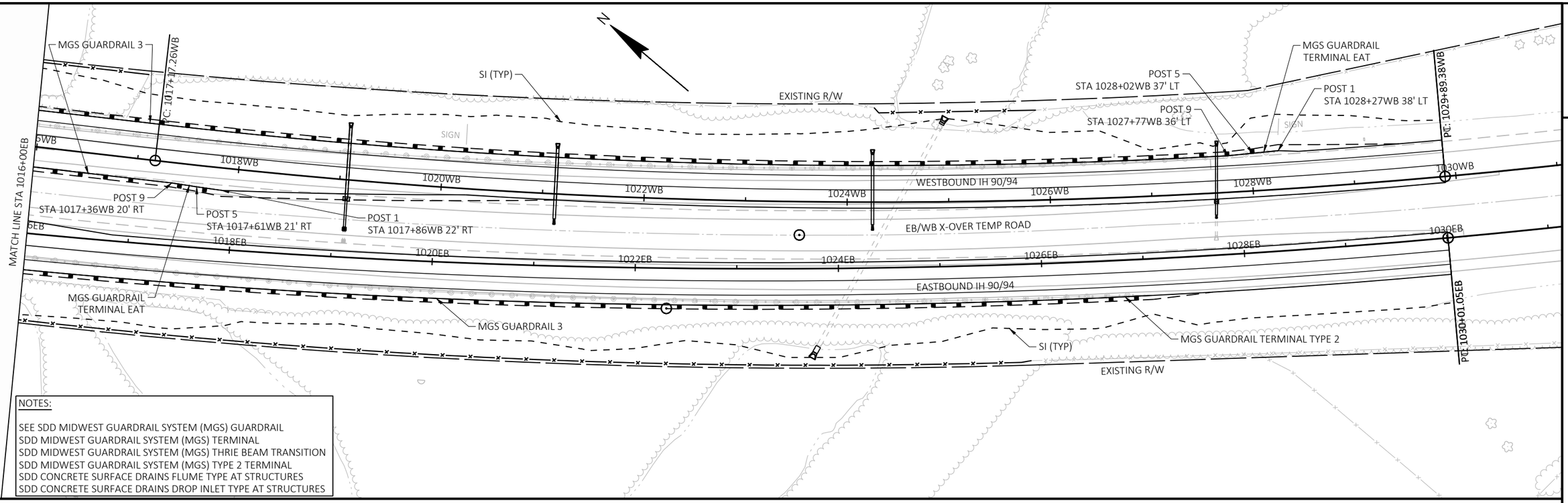


NOTES:

SEE SDD MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
SDD MIDWEST GUARDRAIL SYSTEM (MGS) TERMINAL
SDD MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION
SDD MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
SDD CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
SDD CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	GUARDRAIL DETAILS	SHEET 37	E

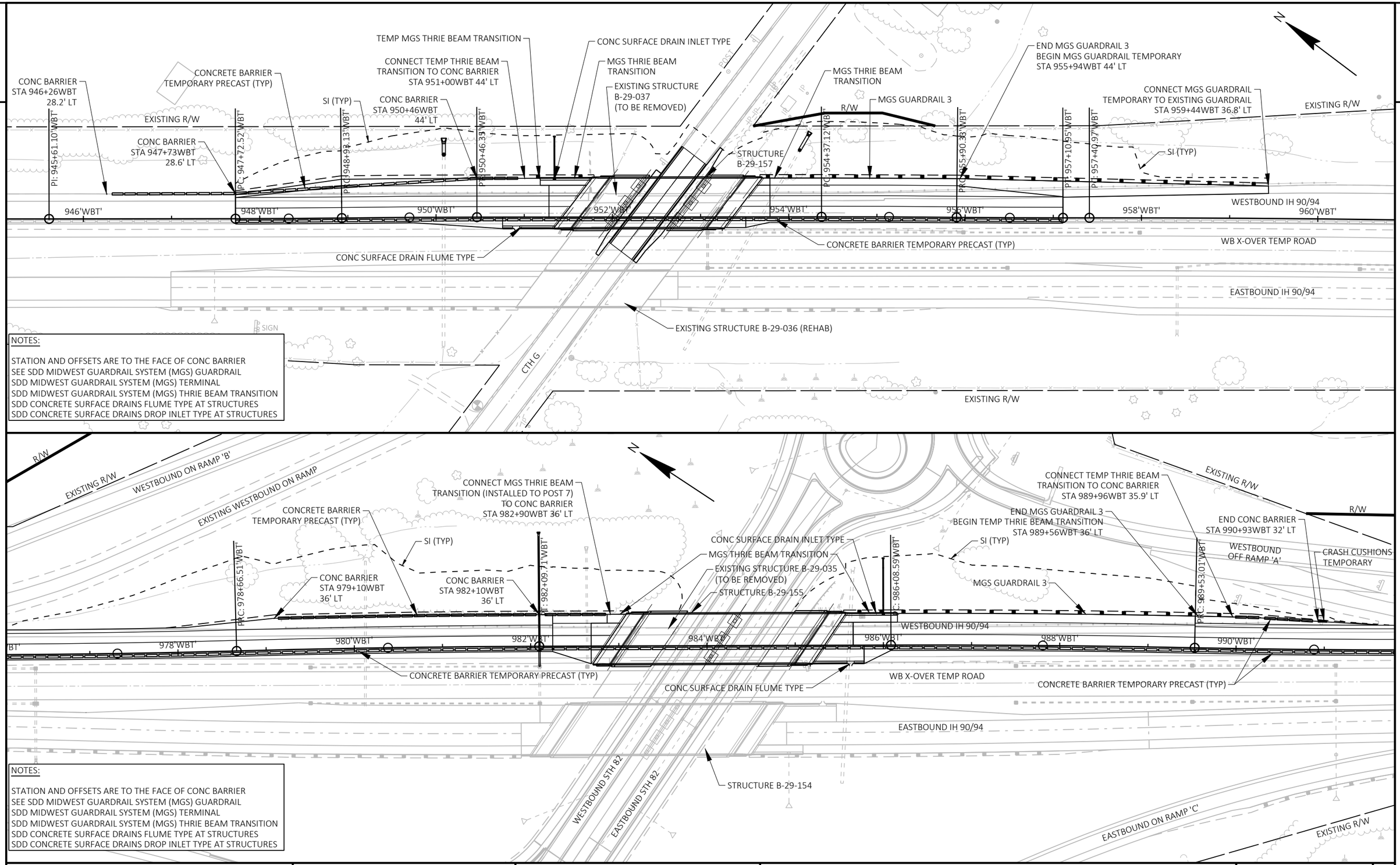
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021002_CD.DWG
LAYOUT NAME - 02
PLOT DATE : 10/28/2021 7:04 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



NOTES:

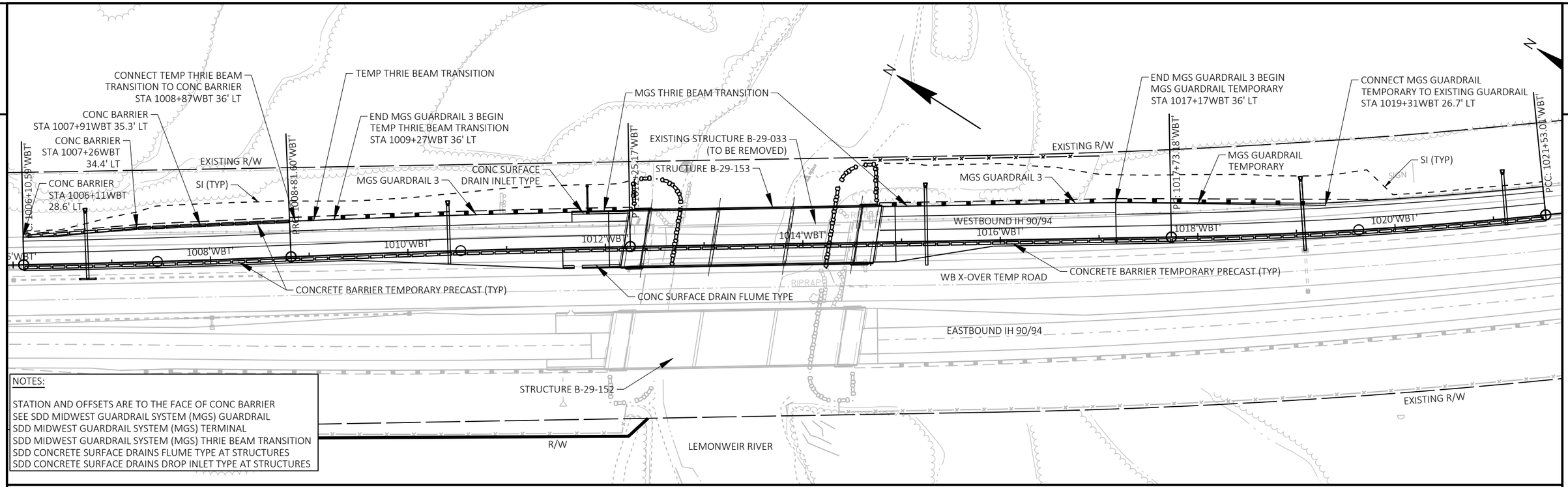
SEE SDD MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
SDD MIDWEST GUARDRAIL SYSTEM (MGS) TERMINAL
SDD MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION
SDD MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
SDD CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
SDD CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	GUARDRAIL DETAILS	SHEET 38	E



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	GUARDRAIL DETAILS (STAGE 3A WB TRANSITIONS)	SHEET 39	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021002_CD.DWG
LAYOUT NAME - 04
PLOT DATE : 10/28/2021 7:05 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



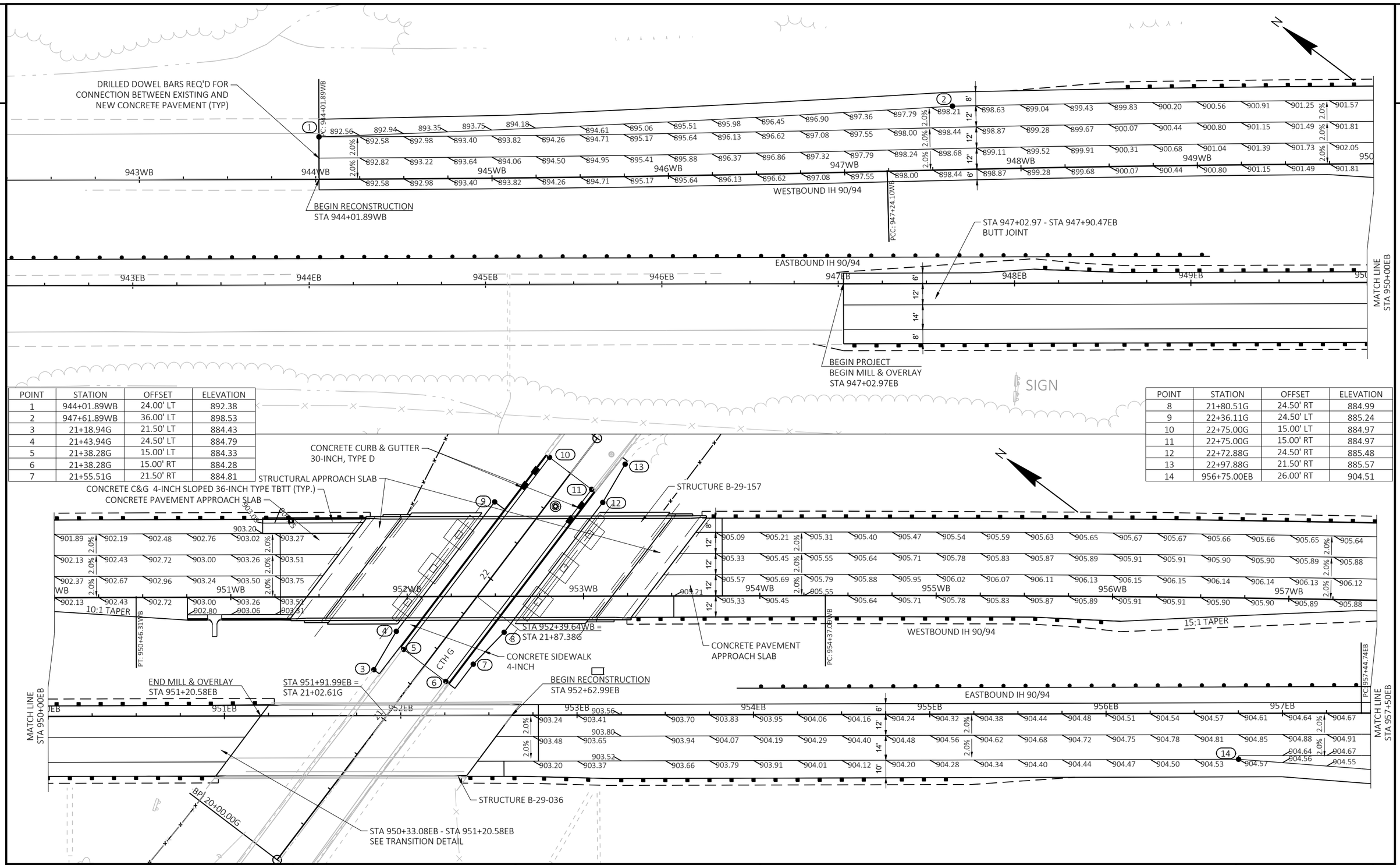
NOTES:

STATION AND OFFSETS ARE TO THE FACE OF CONC BARRIER
SEE SDD MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
SDD MIDWEST GUARDRAIL SYSTEM (MGS) TERMINAL
SDD MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION
SDD CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
SDD CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	GUARDRAIL DETAILS (STAGE 3A WB TRANSITIONS)	SHEET 40	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021002_CD.DWG
LAYOUT NAME - 05
PLOT DATE : 10/28/2021 7:05 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

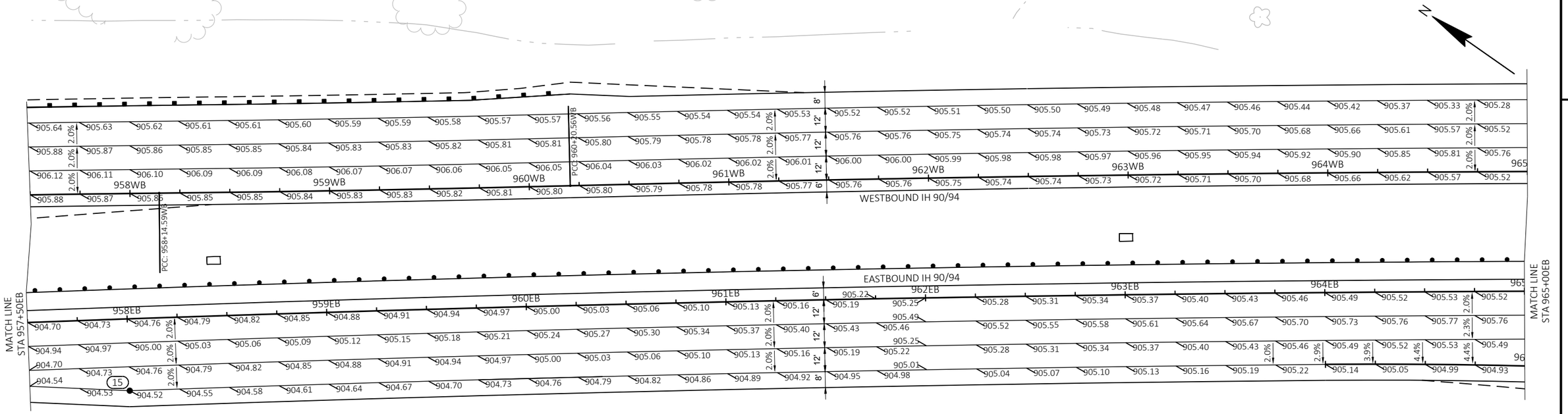


POINT	STATION	OFFSET	ELEVATION
1	944+01.89WB	24.00' LT	892.38
2	947+61.89WB	36.00' LT	898.53
3	21+18.94G	21.50' LT	884.43
4	21+43.94G	24.50' LT	884.79
5	21+38.28G	15.00' LT	884.33
6	21+38.28G	15.00' RT	884.28
7	21+55.51G	21.50' RT	884.81

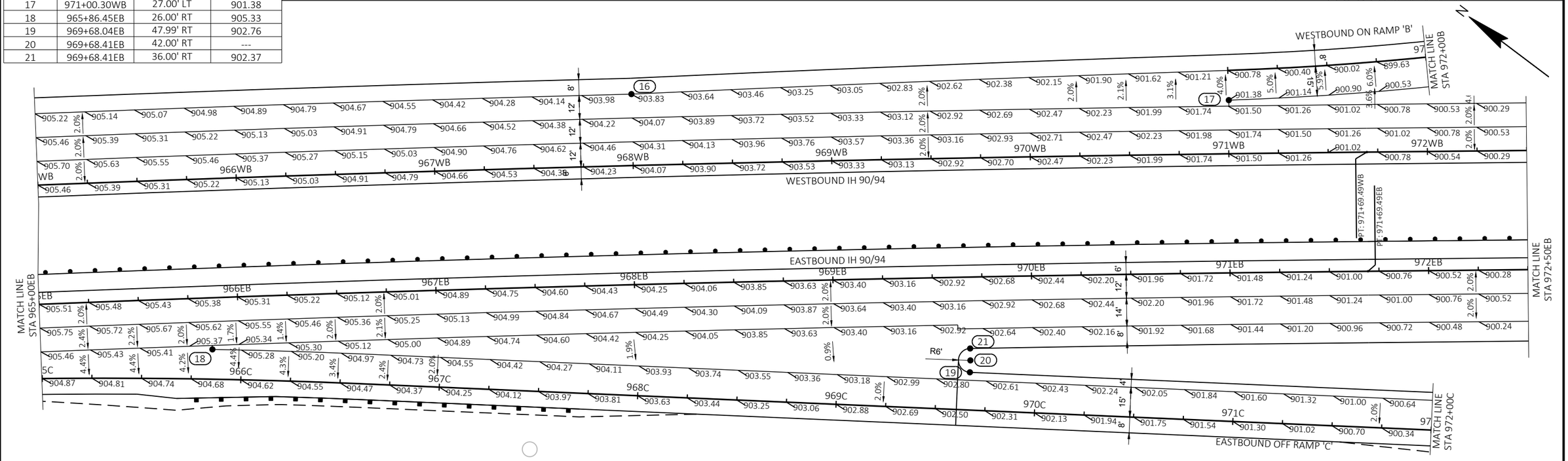
POINT	STATION	OFFSET	ELEVATION
8	21+80.51G	24.50' RT	884.99
9	22+36.11G	24.50' LT	885.24
10	22+75.00G	15.00' LT	884.97
11	22+75.00G	15.00' RT	884.97
12	22+72.88G	24.50' RT	885.48
13	22+97.88G	21.50' RT	885.57
14	956+75.00EB	26.00' RT	904.51

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 41	E

2



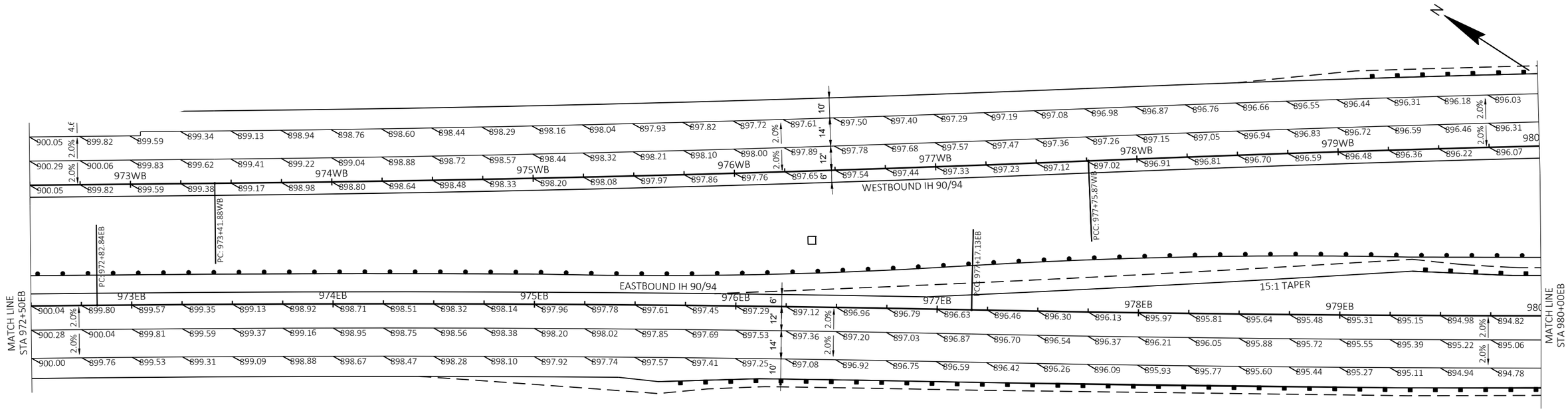
POINT	STATION	OFFSET	ELEVATION
15	958+00.00EB	36.00' RT	904.47
16	968+00.00WB	36.00' LT	903.83
17	971+00.30WB	27.00' LT	901.38
18	965+86.45EB	26.00' RT	905.33
19	969+68.04EB	47.99' RT	902.76
20	969+68.41EB	42.00' RT	---
21	969+68.41EB	36.00' RT	902.37

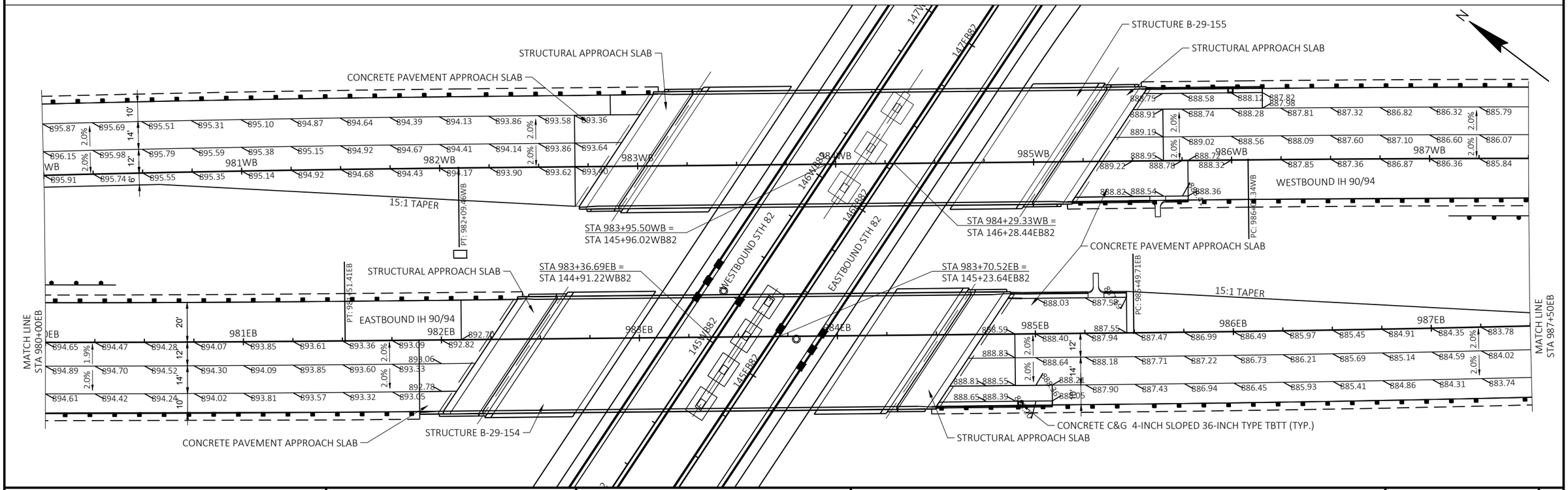


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 42	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021201-PD.DWG
LAYOUT NAME - 021202-pd
PLOT DATE : 12/16/2021 4:09 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



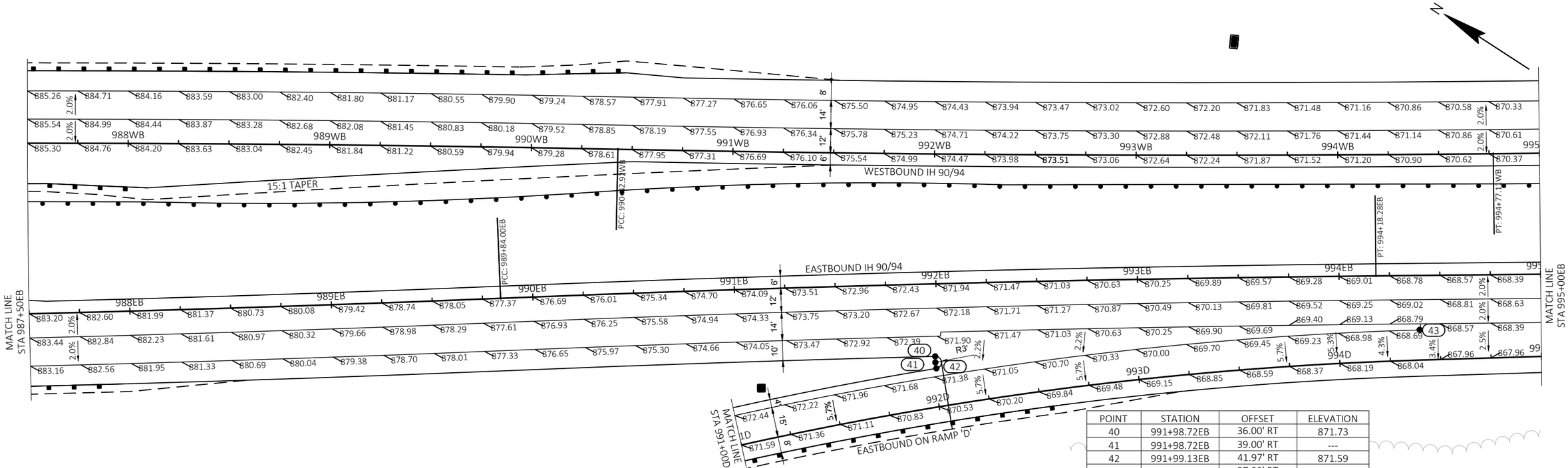


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 43	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021201-PD.DWG
LAYOUT NAME - 021203-pd

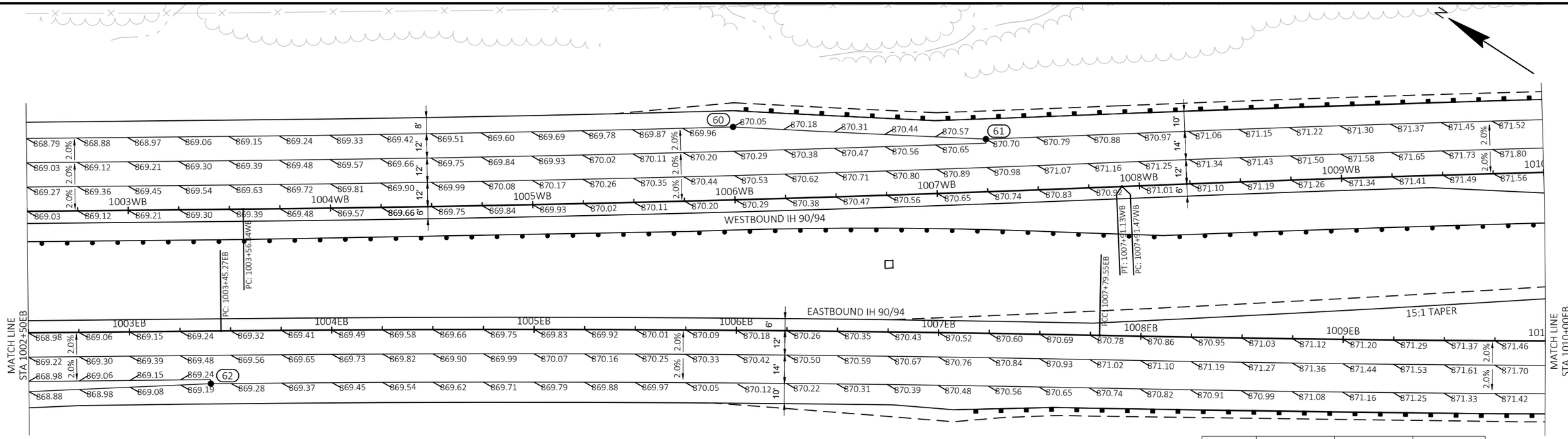
PLOT DATE : 12/16/2021 4:09 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

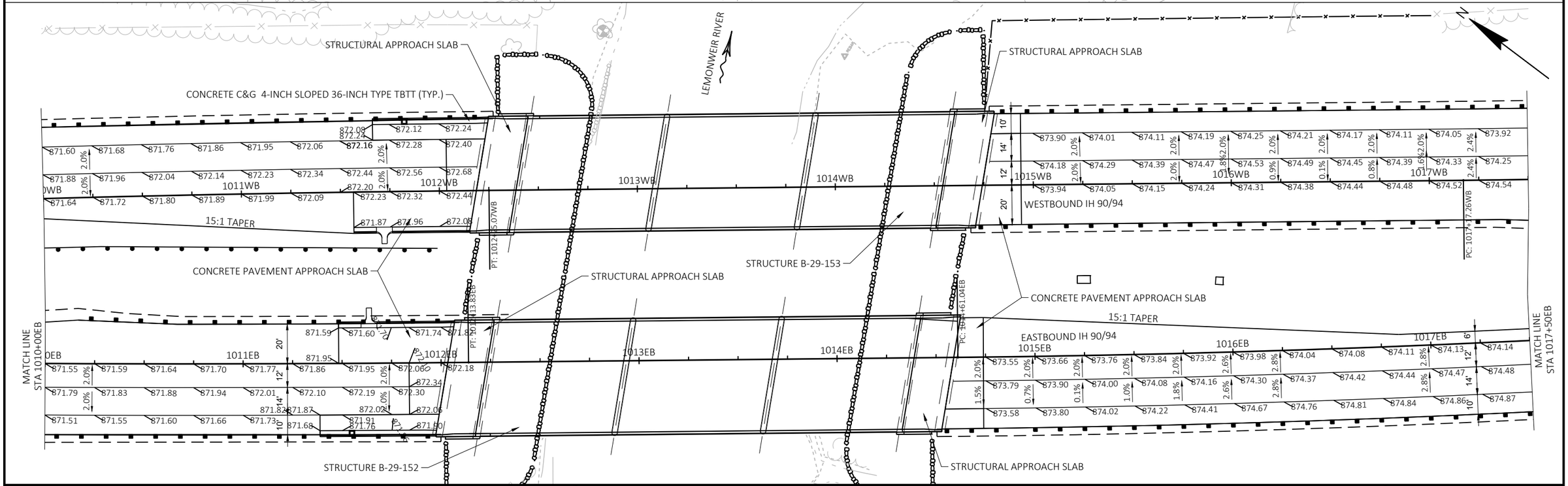


POINT	STATION	OFFSET	ELEVATION
40	991+98.72EB	36.00' RT	871.73
41	991+98.72EB	39.00' RT	---
42	991+99.13EB	41.97' RT	871.59
43	994+39.70EB	27.00' RT	868.57
44	995+73.32WB	47.97' LT	869.44
45	995+72.69WB	42.00' LT	---
46	995+72.69WB	36.00' LT	869.39
47	998+41.77WB	26.00' LT	868.48
48	997+40.00EB	36.00' RT	867.72
49	1000+40.00EB	36.00' RT	868.05

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 44	E



POINT	STATION	OFFSET	ELEVATION
60	1006+00.00WB	36.00' LT	870.05
61	1007+25.00WB	26.00' LT	870.70
62	1003+39.96EB	26.00' RT	869.25

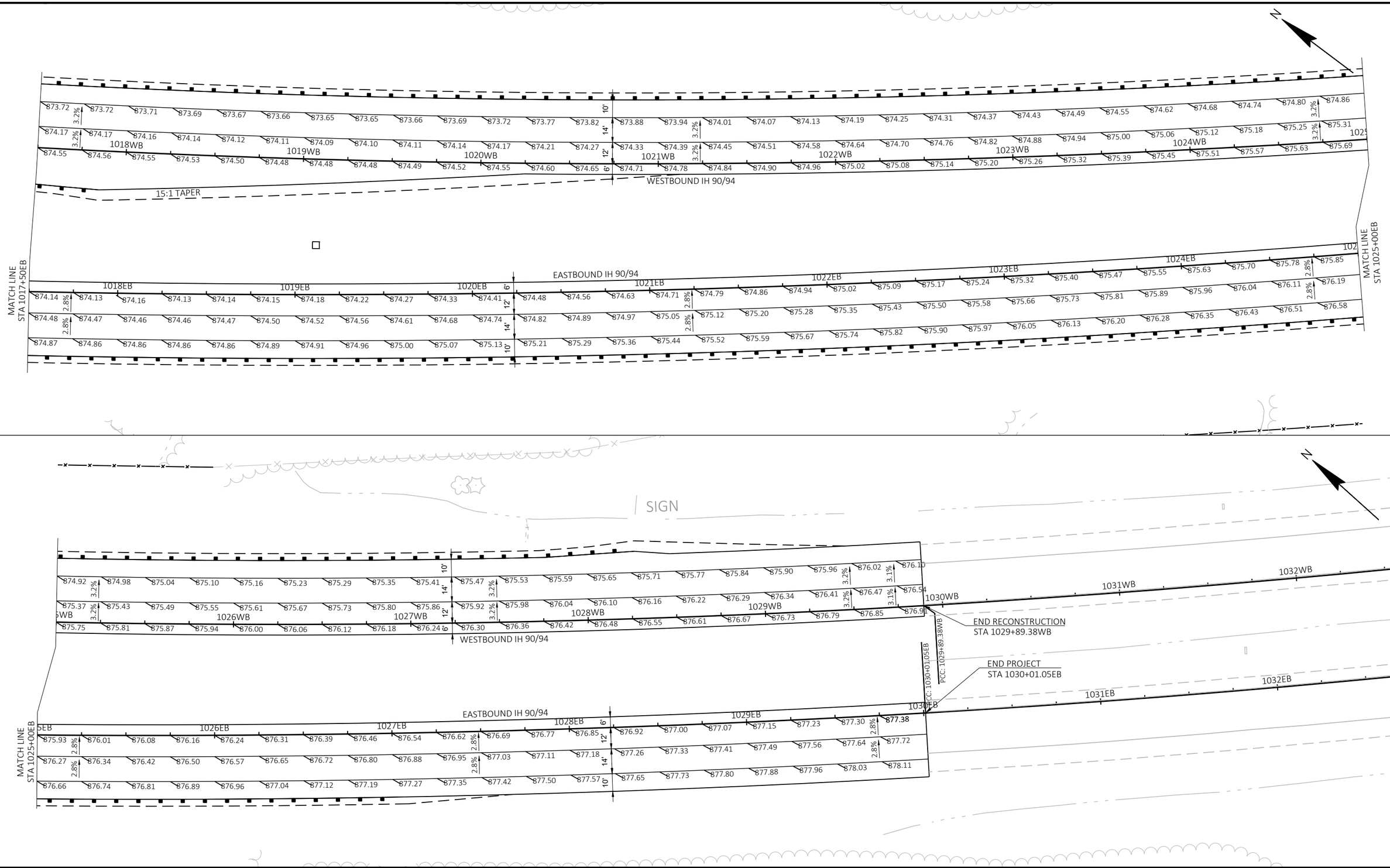


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 45	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021201-PD.DWG
LAYOUT NAME - 021205-pd

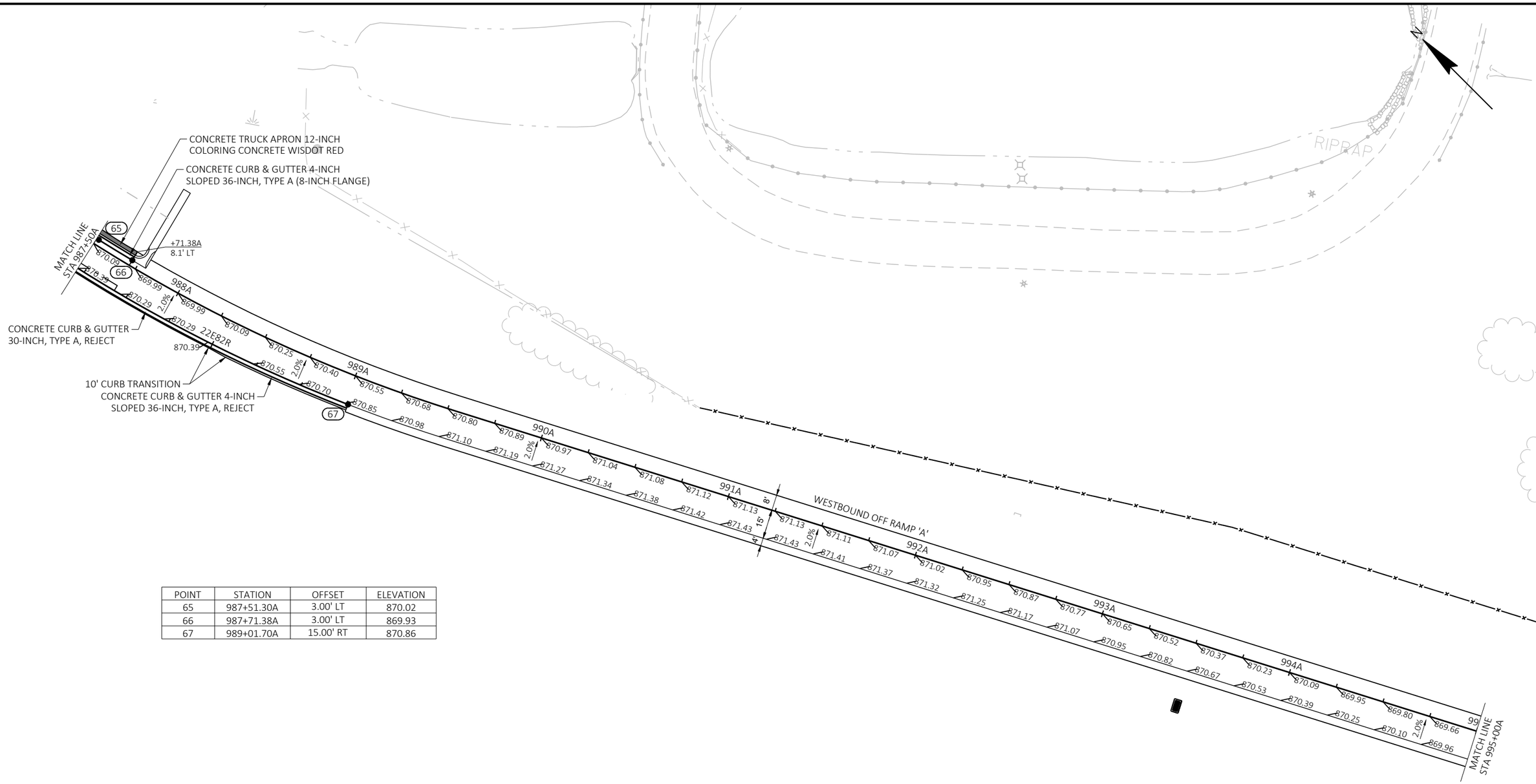
PLOT DATE : 12/16/2021 4:11 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 46	E

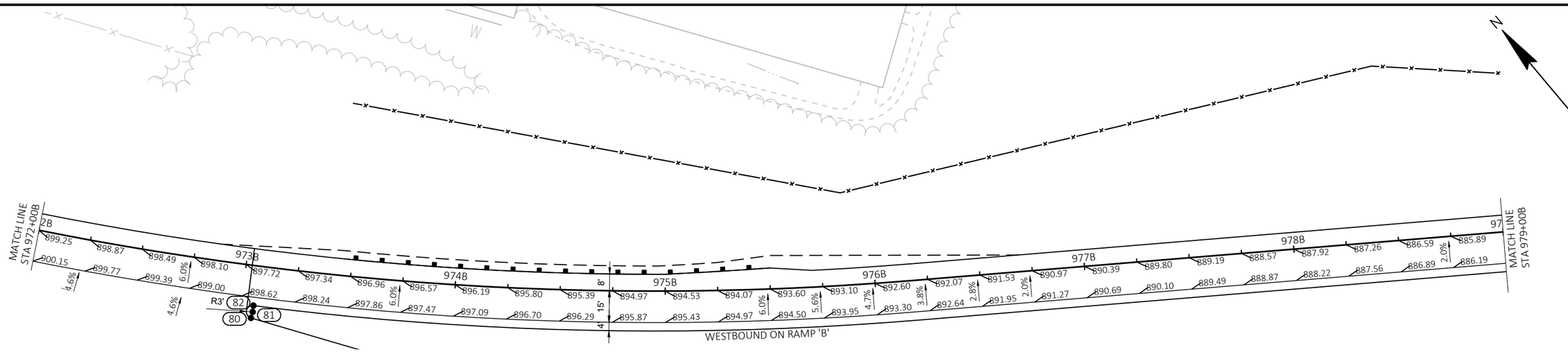
2



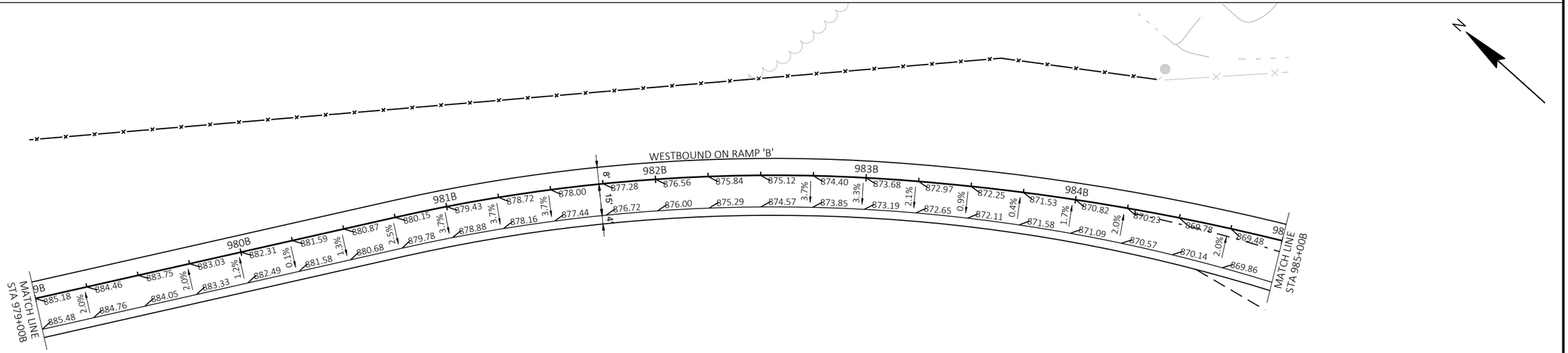
POINT	STATION	OFFSET	ELEVATION
65	987+51.30A	3.00' LT	870.02
66	987+71.38A	3.00' LT	869.93
67	989+01.70A	15.00' RT	870.86

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 47	E

2

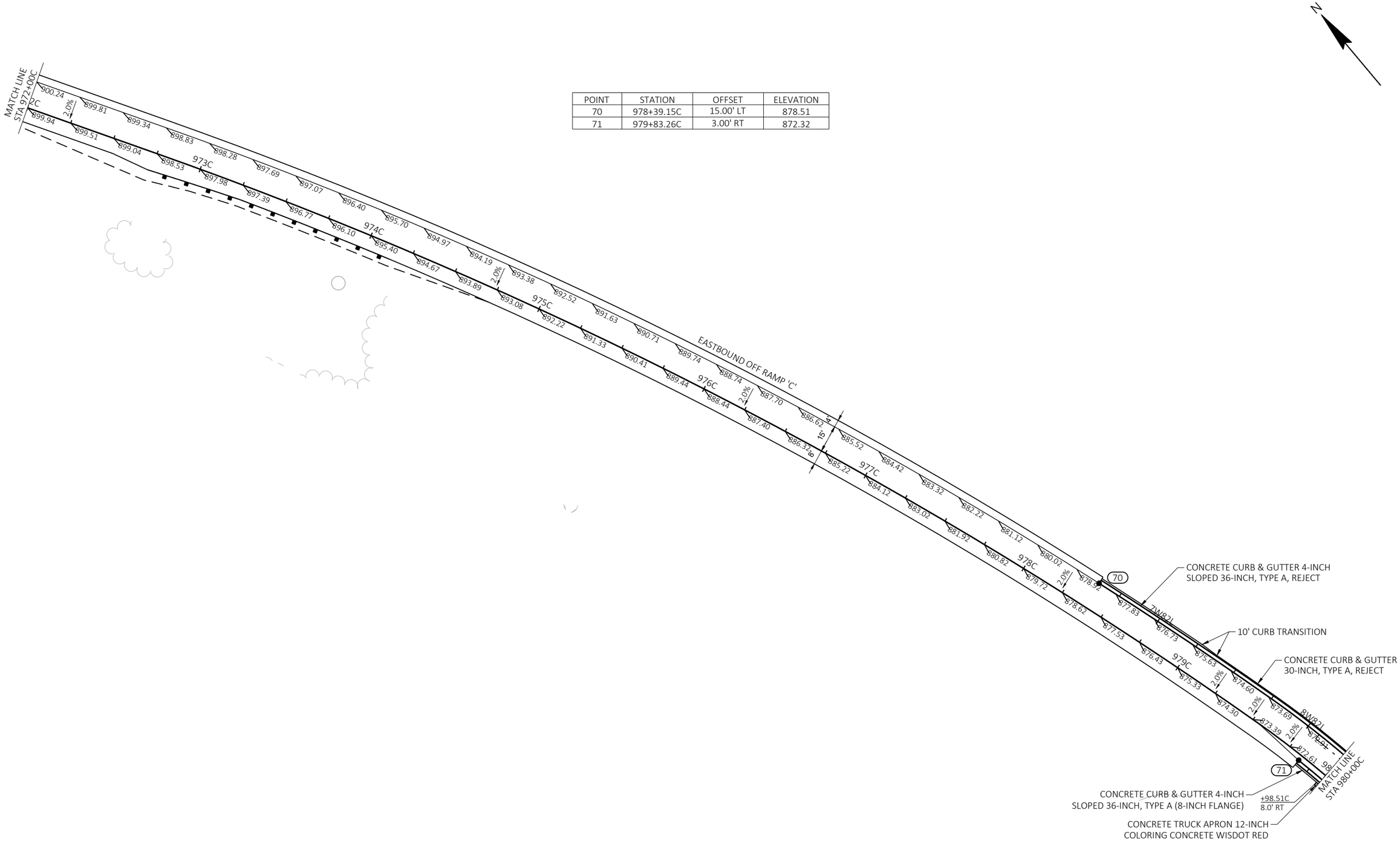


POINT	STATION	OFFSET	ELEVATION
80	973+05.38B	24.96' RT	899.09
81	973+05.86B	22.00' RT	---
82	973+05.86B	19.00' RT	898.77



2

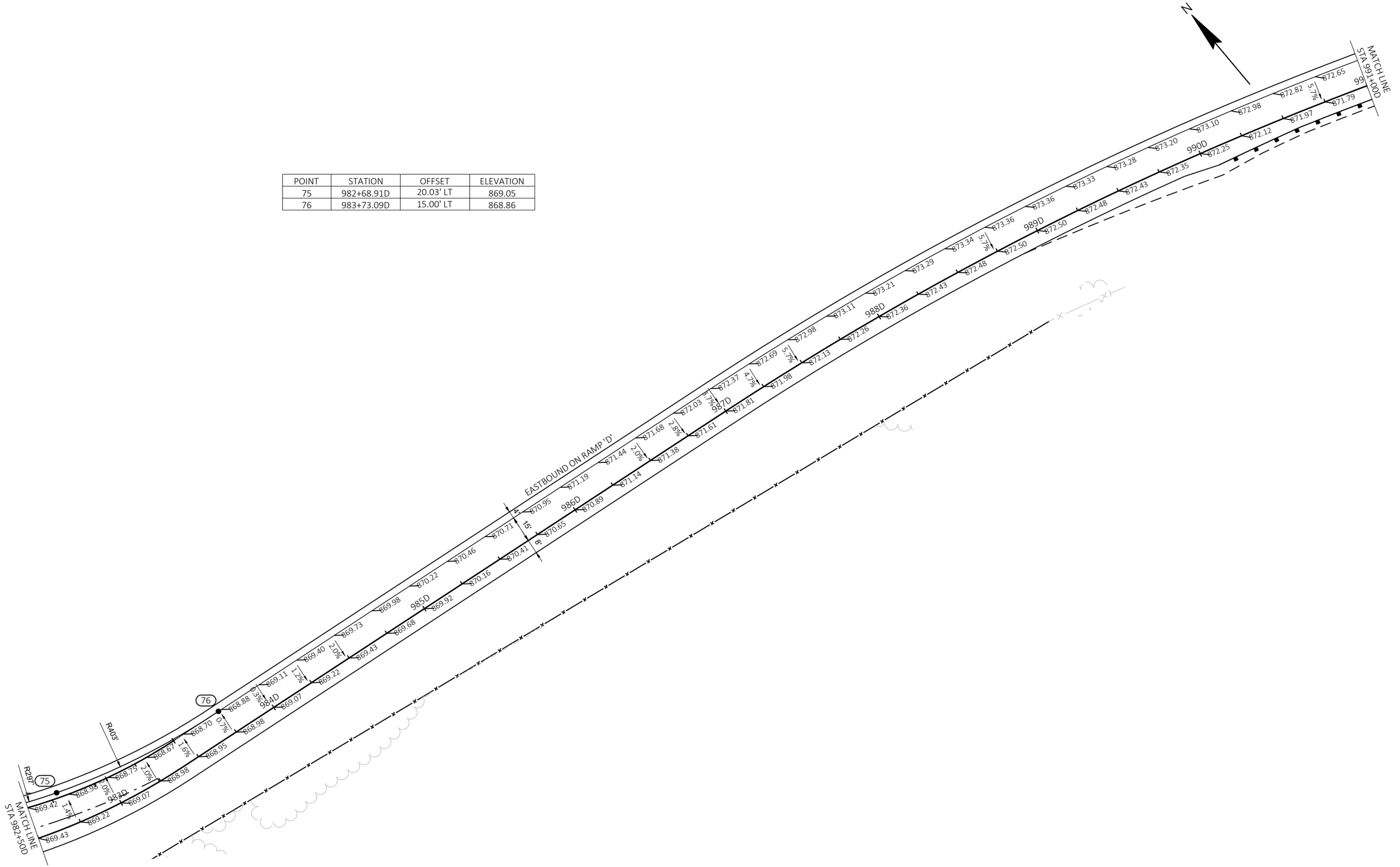
POINT	STATION	OFFSET	ELEVATION
70	978+39.15C	15.00' LT	878.51
71	979+83.26C	3.00' RT	872.32



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 49	E

2

POINT	STATION	OFFSET	ELEVATION
75	982+68.91D	20.03' LT	869.05
76	983+73.09D	15.00' LT	868.86



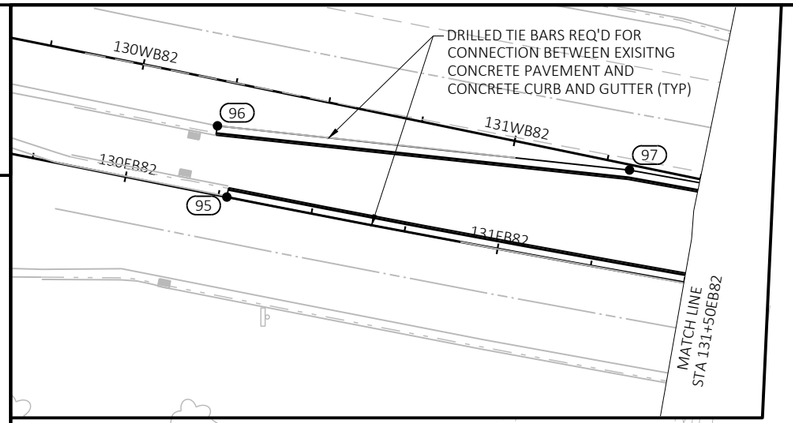
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 50	E

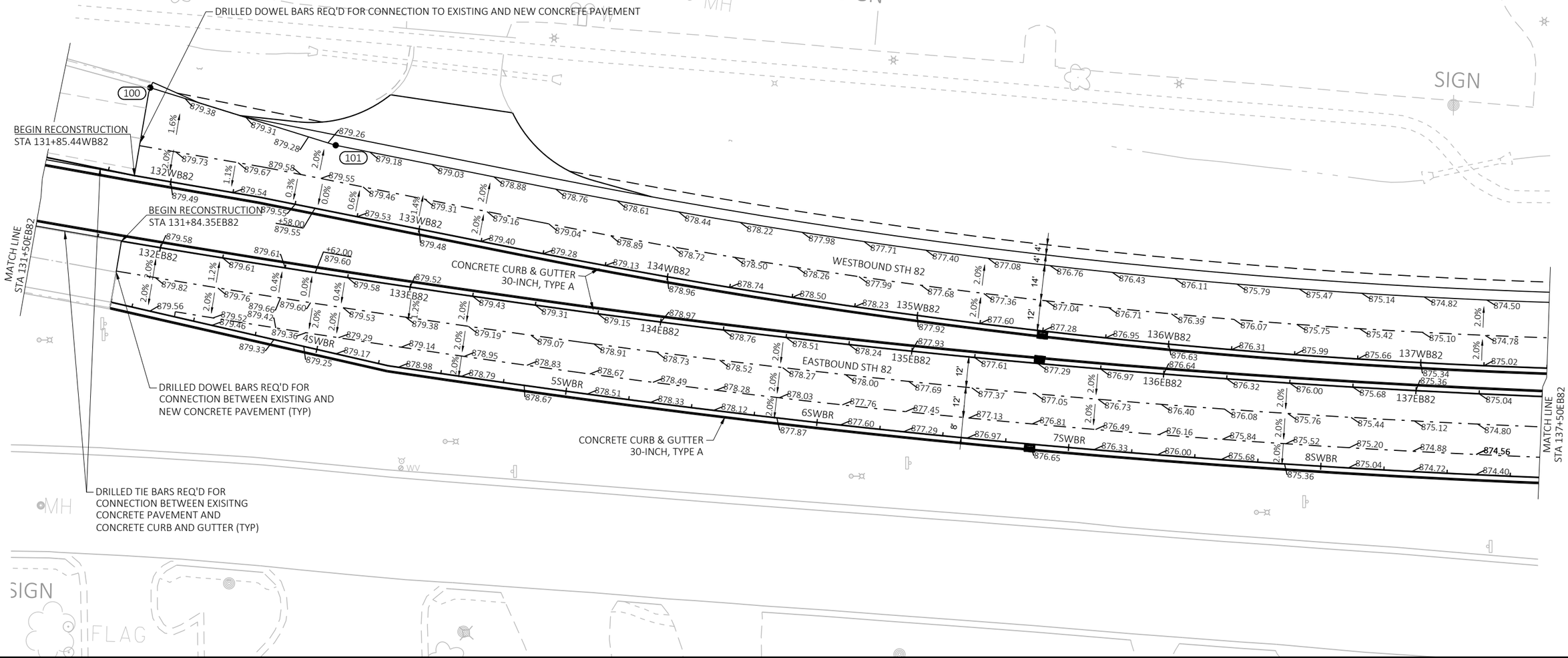
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021201-PD.DWG
LAYOUT NAME - 021210-pd

PLOT DATE : 12/16/2021 4:14 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

POINT	STATION	OFFSET	ELEVATION
95	130+27.25EB82	0.00' LT	---
96	130+22.35WB82	12.00' RT	---
97	131+31.23WB82	1.40' RT	---
100	131+84.55WB82	35.30' LT	879.42
101	132+61.18WB82	26.00' LT	879.25





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 51	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021201-PD.DWG
LAYOUT NAME - 021211-pd
PLOT DATE : 12/16/2021 4:14 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

POINT	STATION	OFFSET	ELEVATION
102	11+08.64SWBP	0.00' LT	871.38
103	11+13.91SWBP	6.00' LT	---
104	11+13.71WSN	0.00' LT	871.47
105	140+73.10WB82	0.00' LT	871.35
106	140+74.87WB82	5.73' RT	---
107	140+80.84WB82	6.29' RT	871.48
108	140+81.22EB82	4.88' LT	871.48
109	140+77.34EB82	3.85' LT	---
110	140+76.26EB82	0.00' LT	871.38
111	980+35.34C	0.00' LT	871.26
112	980+03.38C	3.00' RT	871.82
113	141+35.26WB82	104.00' LT	871.38
114	140+52.59WB82	96.52' LT	---
115	141+35.34WB82	70.18' LT	870.91
116	141+39.29WB82	69.57' LT	---
117	141+40.40WB82	65.73' LT	870.91
118	141+61.44EB82	26.13' LT	---
119	10+00.00WB82L	0.00' LT	870.27

POINT	STATION	OFFSET	ELEVATION
120	12+74.15WSN	0.00' LT	871.07
121	12+51.48SWBP	4.00' LT	---
122	12+51.48SWBP	0.00' LT	870.96
123	981+82.81D	0.00' LT	870.08
124	981+82.81D	22.50' LT	870.53
125	142+49.64EB82	0.00' LT	869.93
126	142+48.08EB82	5.79' LT	---
127	142+42.24EB82	7.17' LT	870.05
128	142+45.89WB82	4.14' RT	870.01
129	142+49.87WB82	3.67' RT	---
130	142+51.46WB82	0.00' LT	869.92
132	12+28.66SWBR	40.37' RT	869.55

NOTE:
SEE CURB RAMP DETAILS FOR LAYOUT

N

MATCH LINE STA 980+00C

EASTBOUND OFF RAMP 'C'

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH, TYPE A (8-INCH FLANGE)

CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH, TYPE A

CONCRETE TRUCK APRON 12-INCH COLORING CONCRETE WISDOT RED

CONCRETE SIDEWALK 4-INCH

10' CURB TRANSITION

CONCRETE TRUCK APRON 12-INCH COLORING CONCRETE WISDOT RED

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH, TYPE A (8-INCH FLANGE)

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH, TYPE A

CONCRETE CURB & GUTTER 30-INCH, TYPE A

WESTBOUND STH 82

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH, TYPE A, MODIFIED

CONCRETE CURB & GUTTER 18-INCH, TYPE A, REJECT

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH, TYPE R

MATCH LINE STA 137+50EB82

EASTBOUND STH 82

SOUTHWEST BYPASS LANE

10' CURB TRANSITION

CONCRETE CURB & GUTTER 30-INCH, TYPE A

CONCRETE CURB & GUTTER 30-INCH, TYPE A, REJECT

CONCRETE SIDEWALK 4-INCH

CONCRETE TRUCK APRON 12-INCH COLORING CONCRETE WISDOT RED

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH, TYPE A

RAMP CLOSURE GATES 40-FT

EASTBOUND ON RAMP 'D'

MATCH LINE STA 982+50D

POINT	STATION	OFFSET	ELEVATION
134	11+22.79SWBR	43.41' RT	869.19
135	10+64.20SWBR	44.53' RT	---
136	10+69.66SWBR	34.77' RT	869.87
137	10+23.57SWBR	2.50' RT	872.11
147	10+73.73WRNW	40.56' LT	867.55
148	11+40.22WRNW	30.31' LT	---
150	8+82.81W82L	21.06' LT	---
151	9+84.36W82L	19.10' LT	871.24
152	10+15.68W82L	19.43' LT	870.98
153	11+07.60W82L	20.00' LT	870.07

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 52	E

2

N

MATCH LINE STA 980+00C

EASTBOUND OFF RAMP 'C'

WESTBOUND STH 82

EASTBOUND STH 82

MATCH LINE STA 137+50EB82

MATCH LINE STA 143+50EB82

11SWBP SOUTHWEST BYPASS LANE

12SWBP

S-29-0011

EASTBOUND ON RAMP 'D'

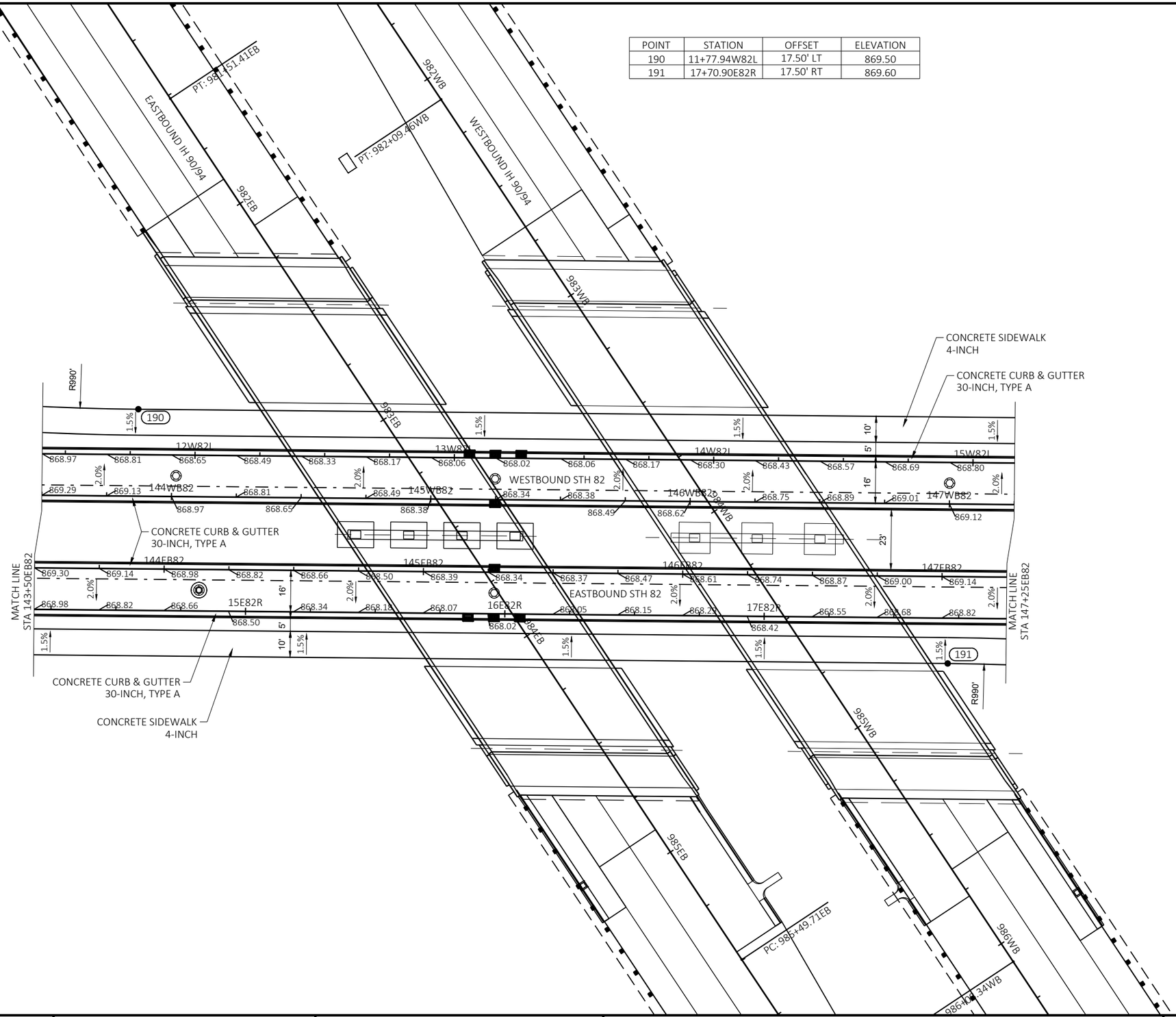
MATCH LINE STA 982+50D

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 53	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021201-PD.DWG
LAYOUT NAME - 021213-pd

PLOT DATE : 12/16/2021 4:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

POINT	STATION	OFFSET	ELEVATION
190	11+77.94W82L	17.50' LT	869.50
191	17+70.90E82R	17.50' RT	869.60

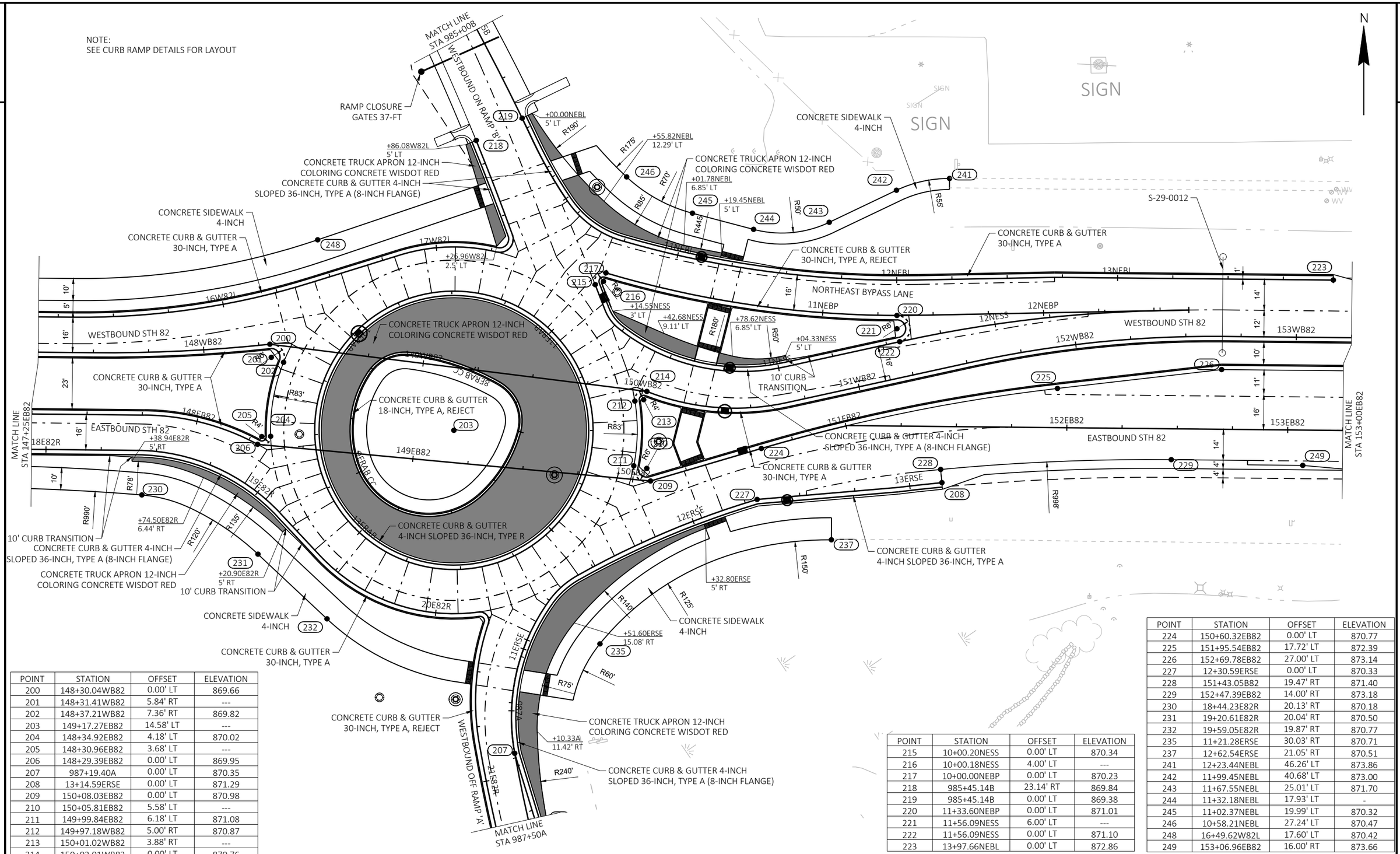


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 54	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021201-PD.DWG
LAYOUT NAME - 021214-pd

PLOT DATE : 12/16/2021 4:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
SEE CURB RAMP DETAILS FOR LAYOUT



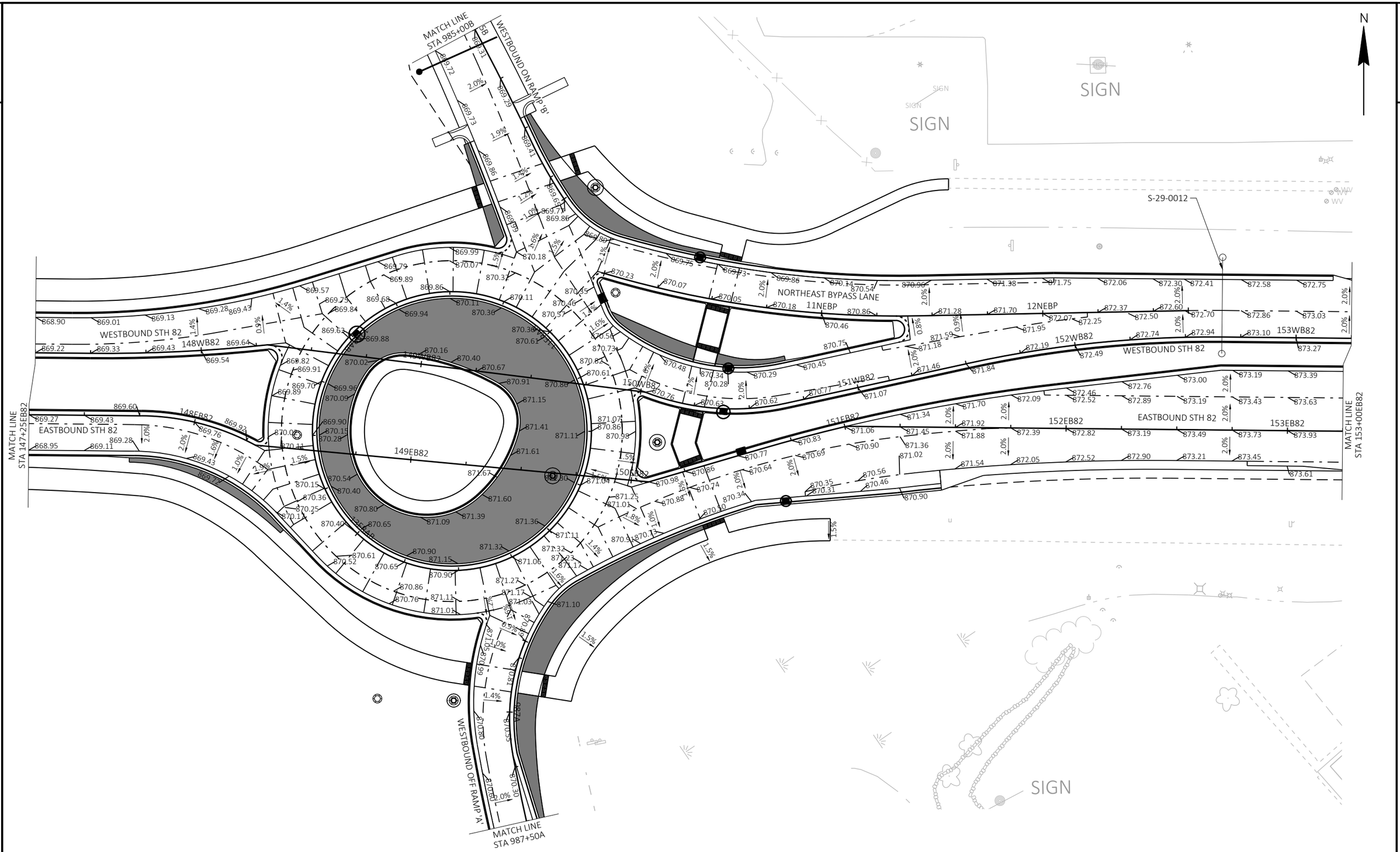
POINT	STATION	OFFSET	ELEVATION
200	148+30.04WB82	0.00' LT	869.66
201	148+31.41WB82	5.84' RT	---
202	148+37.21WB82	7.36' RT	869.82
203	149+17.27EB82	14.58' LT	---
204	148+34.92EB82	4.18' LT	870.02
205	148+30.96EB82	3.68' LT	---
206	148+29.39EB82	0.00' LT	869.95
207	987+19.40A	0.00' LT	870.35
208	13+14.59ERSE	0.00' LT	871.29
209	150+08.03EB82	0.00' LT	870.98
210	150+05.81EB82	5.58' LT	---
211	149+99.84EB82	6.18' LT	871.08
212	149+97.18WB82	5.00' RT	870.87
213	150+01.02WB82	3.88' RT	---
214	150+02.01WB82	0.00' LT	870.76

POINT	STATION	OFFSET	ELEVATION
215	10+00.20NESS	0.00' LT	870.34
216	10+00.18NESS	4.00' LT	---
217	10+00.00NEBP	0.00' LT	870.23
218	985+45.14B	23.14' RT	869.84
219	985+45.14B	0.00' LT	869.38
220	11+33.60NEBP	0.00' LT	871.01
221	11+56.09NESS	6.00' LT	---
222	11+56.09NESS	0.00' LT	871.10
223	13+97.66NEBL	0.00' LT	872.86

POINT	STATION	OFFSET	ELEVATION
224	150+60.32EB82	0.00' LT	870.77
225	151+95.54EB82	17.72' LT	872.39
226	152+69.78EB82	27.00' LT	873.14
227	12+30.59ERSE	0.00' LT	870.33
228	151+43.05B82	19.47' RT	871.40
229	152+47.39EB82	14.00' RT	873.18
230	18+44.23E82R	20.13' RT	870.18
231	19+20.61E82R	20.04' RT	870.50
232	19+59.05E82R	19.87' RT	870.77
235	11+21.28ERSE	30.03' RT	870.71
237	12+62.54ERSE	21.05' RT	870.51
241	12+23.44NEBL	46.26' LT	873.86
242	11+99.45NEBL	40.68' LT	873.00
243	11+67.55NEBL	25.01' LT	871.70
244	11+32.18NEBL	17.93' LT	-
245	11+02.37NEBL	19.99' LT	870.32
246	10+58.21NEBL	27.24' LT	870.47
248	16+49.62W82L	17.60' LT	870.42
249	153+06.96EB82	16.00' RT	873.66

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 55	E

2



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 56	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021201-PD.DWG
LAYOUT NAME - 021216-pd

PLOT DATE : 12/16/2021 4:16 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

POINT	STATION	OFFSET	ELEVATION
250	5+69.88CM	123.67' LT	876.25
251	5+61.53CM	102.92' LT	876.11
252	5+43.96CM	84.59' LT	875.93
253	5+41.18CM	77.46' LT	875.84
254	5+41.25CM	74.15' LT	875.82
257	5+44.91CM	63.05' LT	875.72
258	5+66.88CM	45.92' LT	875.67
259	5+74.87CM	44.60' LT	875.78

POINT	STATION	OFFSET	ELEVATION
269	5+24.21CM	87.59' LT	875.10
270	5+84.13CM	90.71' LT	---
271	5+77.02CM	31.13' LT	875.04
272	5+87.04CM	29.94' LT	875.19
273	6+04.42CM	29.13' LT	875.55
274	6+05.79CM	22.56' RT	875.26
275	5+87.70CM	22.15' RT	875.11
276	5+86.36CM	82.14' RT	---
277	5+26.36CM	81.58' RT	875.50
278	5+23.65CM	32.69' LT	875.27
279	5+26.14CM	32.98' LT	---
280	5+27.66CM	34.97' LT	875.23
281	5+58.86CM	18.84' LT	875.11
282	5+57.83CM	15.50' LT	---

POINT	STATION	OFFSET	ELEVATION
283	5+57.83CM	12.00' LT	875.17
284	5+28.34CM	12.00' LT	875.32
285	5+28.34CM	14.00' LT	---
286	5+25.86CM	14.20' RT	875.32
287	154+36.72WB82	40.41' LT	874.14
288	154+40.01WB82	38.14' LT	---
289	153+44.01WB82	38.10' LT	874.14
290	154+43.99WB82	35.91' LT	874.07
291	154+33.99WB82	36.00' LT	---
292	154+42.44WB82	30.64' LT	873.88
293	154+40.67WB82	27.86' LT	873.77
294	15437.29WB82	30.00' LT	---
295	154+37.29WB82	26.00' LT	873.69
296	154+34.40WB82	26.00' LT	873.67

NOTE:
SEE CURB RAMP DETAILS FOR LAYOUT

LEGEND

CONCRETE PAVEMENT HES 11 1/2-INCH

DRILLED DOWEL BARS REQ'D FOR CONNECTION BETWEEN EXISTING AND NEW CONCRETE PAVEMENT (TYP)

CONCRETE CURB & GUTTER 30-INCH TYPE A (REJECT)

CONCRETE CURB & GUTTER 30-INCH TYPE A

CONCRETE CURB & GUTTER 30-INCH TYPE A (REJECT WEST SIDE OF ISLAND)

CONCRETE SIDEWALK 4-INCH

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH, TYPE A

END RECONSTRUCTION
BEGIN MILL & OVERLAY
STA 159+18.49WB82

CONCRETE SIDEWALK 4-INCH

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH, TYPE A

END RECONSTRUCTION
BEGIN MILL & OVERLAY
STA 159+22.00EB82

COMMERCIAL STREET

WESTBOUND STH 82

EASTBOUND STH 82

MATCH LINE STA 153+25EB82

MATCH LINE STA 159+25EB82

RIPRAP

POINT	STATION	OFFSET	ELEVATION
297	154+34.38WB82	30.00' LT	---
298	154+31.11WB82	32.27' LT	873.82
299	154+13.48WB82	0.00' LT	874.05
300	154+13.48WB82	4.00' RT	---
301	154+15.16WB82	7.63' RT	874.08
302	153+81.62WB82	65.00' LT	---
303	153+85.11EB82	27.00' LT	873.84
305	154+19.56EB82	25.00' RT	874.02
306	154+51.56EB82	16.00' LT	874.33
307	154+51.56EB82	20.00' LT	---
308	154+49.13EB82	23.18' LT	874.18
309	154+09.14WB82	28.80' LT	---
310	154+57.95WB82	6.09' RT	874.25
311	154+62.02WB82	9.00' RT	---

POINT	STATION	OFFSET	ELEVATION
312	154+62.02WB82	4.00' RT	874.28
313	155+47.12EB82	16.00' LT	874.72
314	156+84.74EB82	27.00' LT	874.99
315	157+74.04WB82	4.00' RT	875.46
316	157+74.04WB82	84.00' RT	---
317	157+89.89EB82	37.04' LT	875.48
318	157+89.12EB82	32.10' LT	---
319	157+89.38EB82	27.11' LT	875.44
320	158+86.54EB82	15.58' LT	875.52
321	158+87.01EB82	10.60' LT	---
322	158+85.98EB82	5.70' LT	875.82
323	159+02.40EB82	84.00' LT	---
324	159+02.40EB82	4.00' LT	875.82

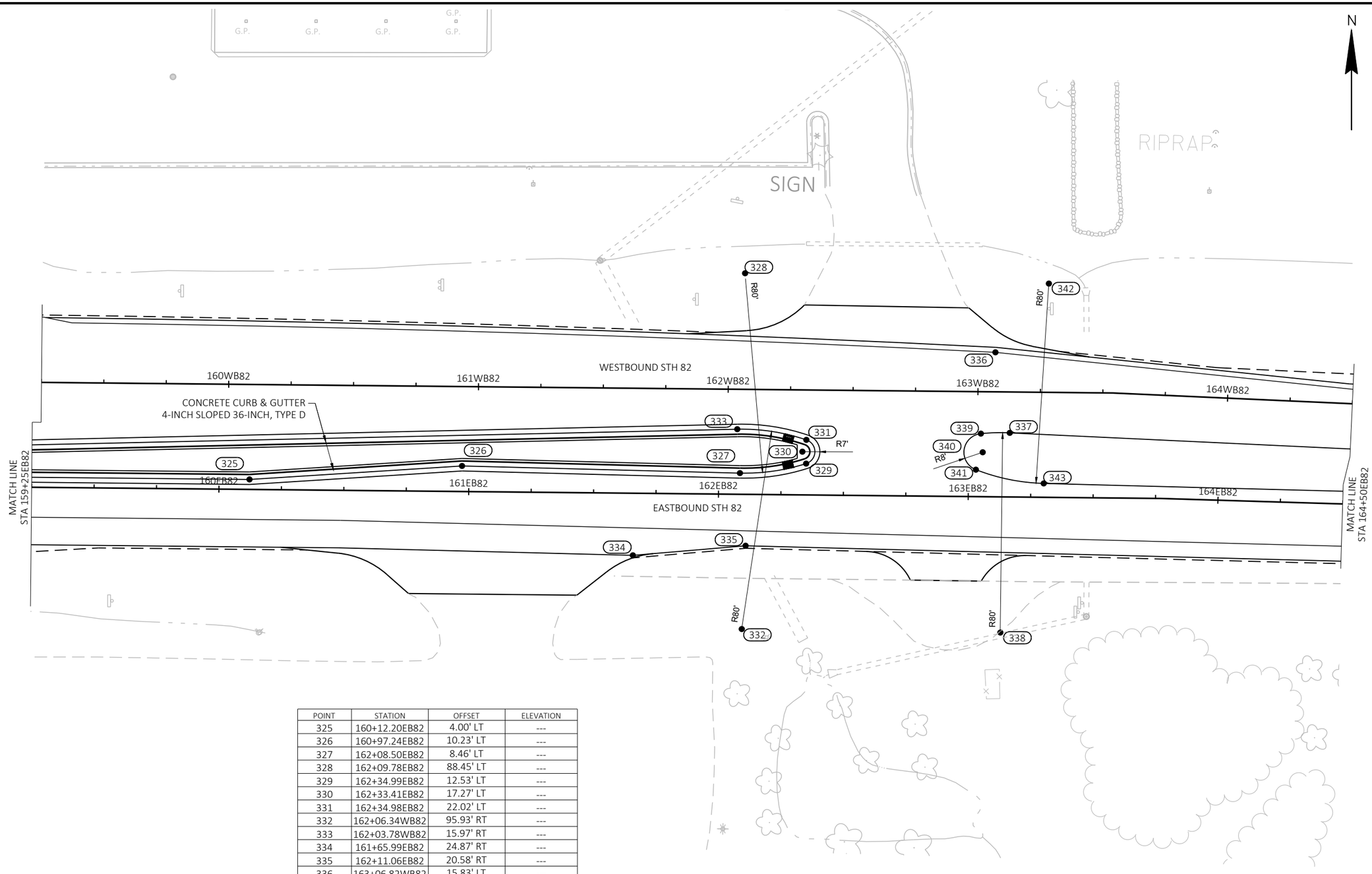
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 57	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021201-PD.DWG
LAYOUT NAME - 021217-pd

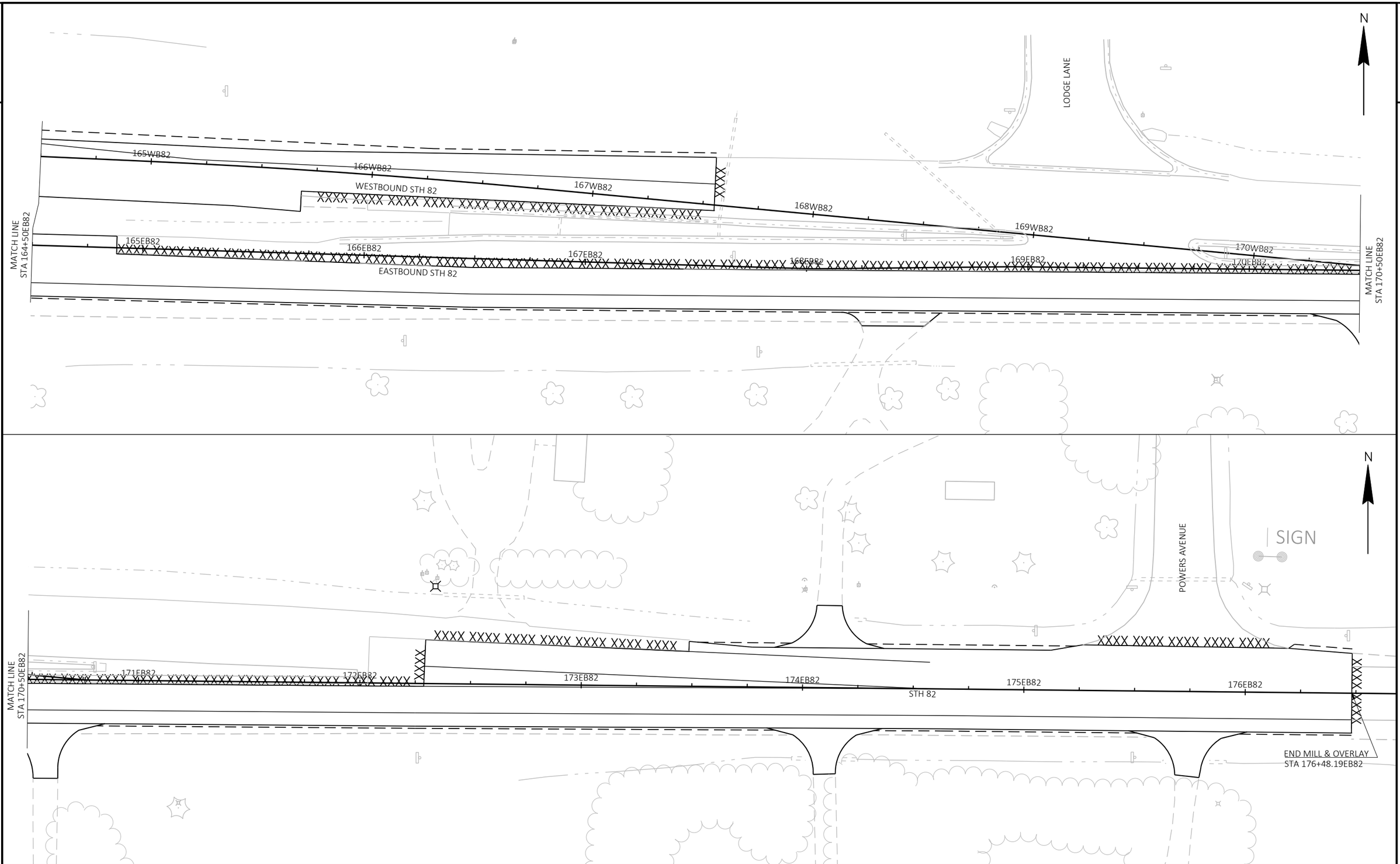
PLOT DATE : 12/16/2021 4:16 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



POINT	STATION	OFFSET	ELEVATION
325	160+12.20EB82	4.00' LT	---
326	160+97.24EB82	10.23' LT	---
327	162+08.50EB82	8.46' LT	---
328	162+09.78EB82	88.45' LT	---
329	162+34.99EB82	12.53' LT	---
330	162+33.41EB82	17.27' LT	---
331	162+34.98EB82	22.02' LT	---
332	162+06.34WB82	95.93' RT	---
333	162+03.78WB82	15.97' RT	---
334	161+65.99EB82	24.87' RT	---
335	162+11.06EB82	20.58' RT	---
336	163+06.82WB82	15.83' LT	---
337	163+12.86WB82	16.37' RT	---
338	163+09.89WB82	96.31' RT	---
339	163+01.31WB82	16.77' RT	---
340	163+05.62EB82	17.77' LT	---
341	163+02.95EB82	10.76' LT	---
342	163+31.45EB82	85.51' LT	---
343	163+30.18EB82	5.52' LT	---

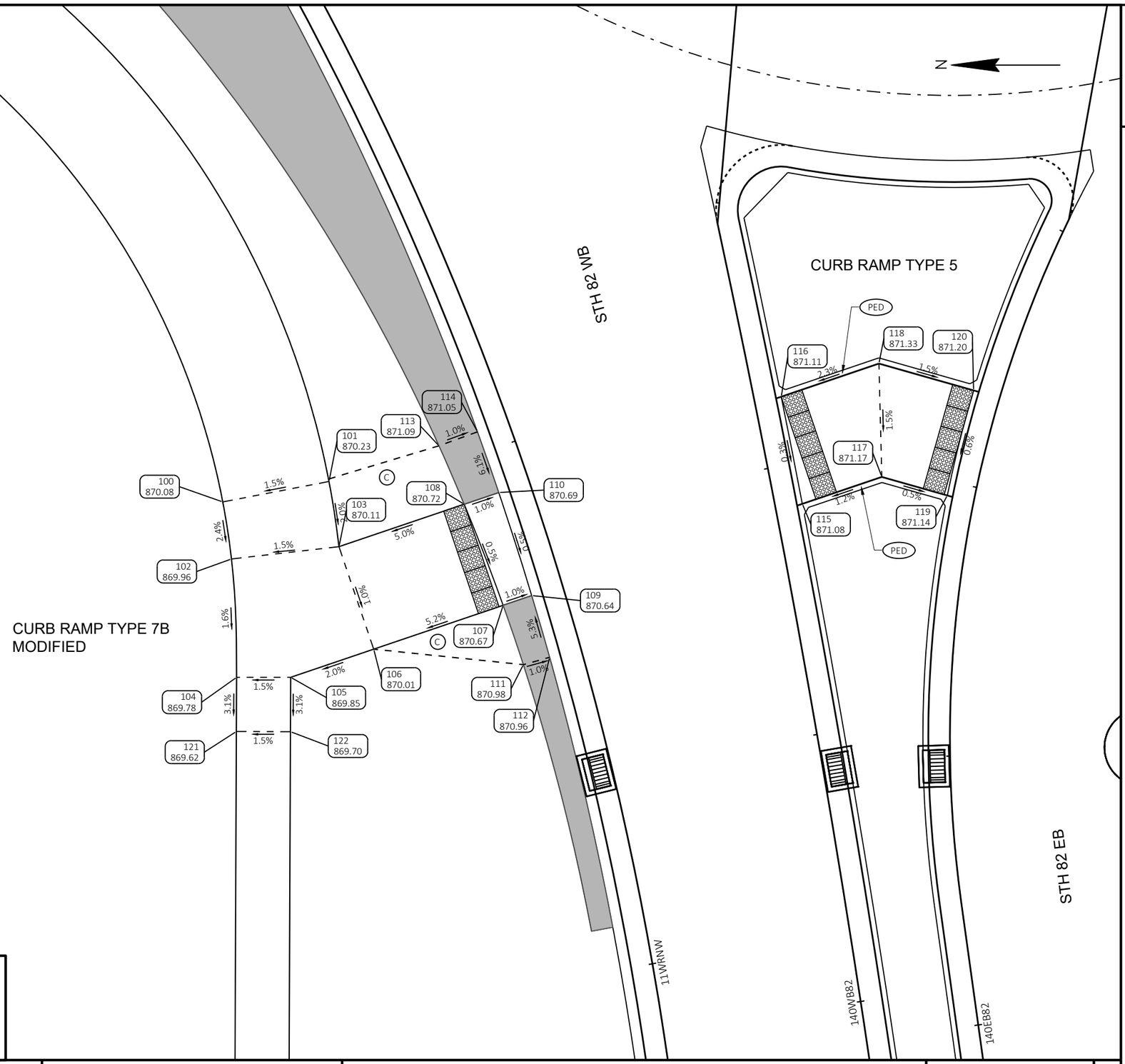


2

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVING DETAILS	SHEET 59	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021201-PD.DWG
LAYOUT NAME - 021218-pd
PLOT DATE : 12/16/2021 4:18 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NORTHWEST CURB RAMPS WEST RAB				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
100	11+54.09 "WRNW"	27.34' LT	156751.29	467573.14
101	11+52.35 "WRNW"	17.47' LT	156741.47	467575.02
102	11+48.32 "WRNW"	28.36' LT	156750.48	467567.87
103	11+45.98 "WRNW"	18.59' LT	156740.55	467569.00
104	11+36.60 "WRNW"	31.30' LT	156750.01	467556.93
105	11+35.01 "WRNW"	26.52' LT	156745.02	467556.93
106	11+35.33 "WRNW"	18.42' LT	156737.34	467559.53
107	11+35.78 "WRNW"	5.78' LT	156725.37	467563.59
108	11+45.98 "WRNW"	6.37' LT	156728.97	467572.93
109	11+35.88 "WRNW"	3.00' LT	156722.73	467564.48
110	11+45.98 "WRNW"	3.00' LT	156725.78	467574.01
111	11+29.88 "WRNW"	5.52' LT	156723.50	467558.10
112	11+29.88 "WRNW"	3.00' LT	156721.07	467558.78
113	11+51.98 "WRNW"	6.79' LT	156731.30	467578.32
114	11+51.98 "WRNW"	3.00' LT	156727.74	467579.61
115	140+46.19 "WB82"	2.50' RT	156697.71	467572.96
116	140+56.25 "WB82"	2.50' RT	156699.66	467582.86
117	140+47.23 "WB82"	10.19' RT	156690.37	467575.45
118	140+57.46 "WB82"	11.96' RT	156690.63	467585.92
119	140+44.44 "WB82"	15.81' RT	156684.31	467573.73
120	140+53.37 "WB82"	20.05' RT	156681.88	467583.44
121	11+31.24 "WRNW"	32.73' LT	156750.03	467551.93
122	11+29.71 "WRNW"	27.93' LT	156745.03	467551.91

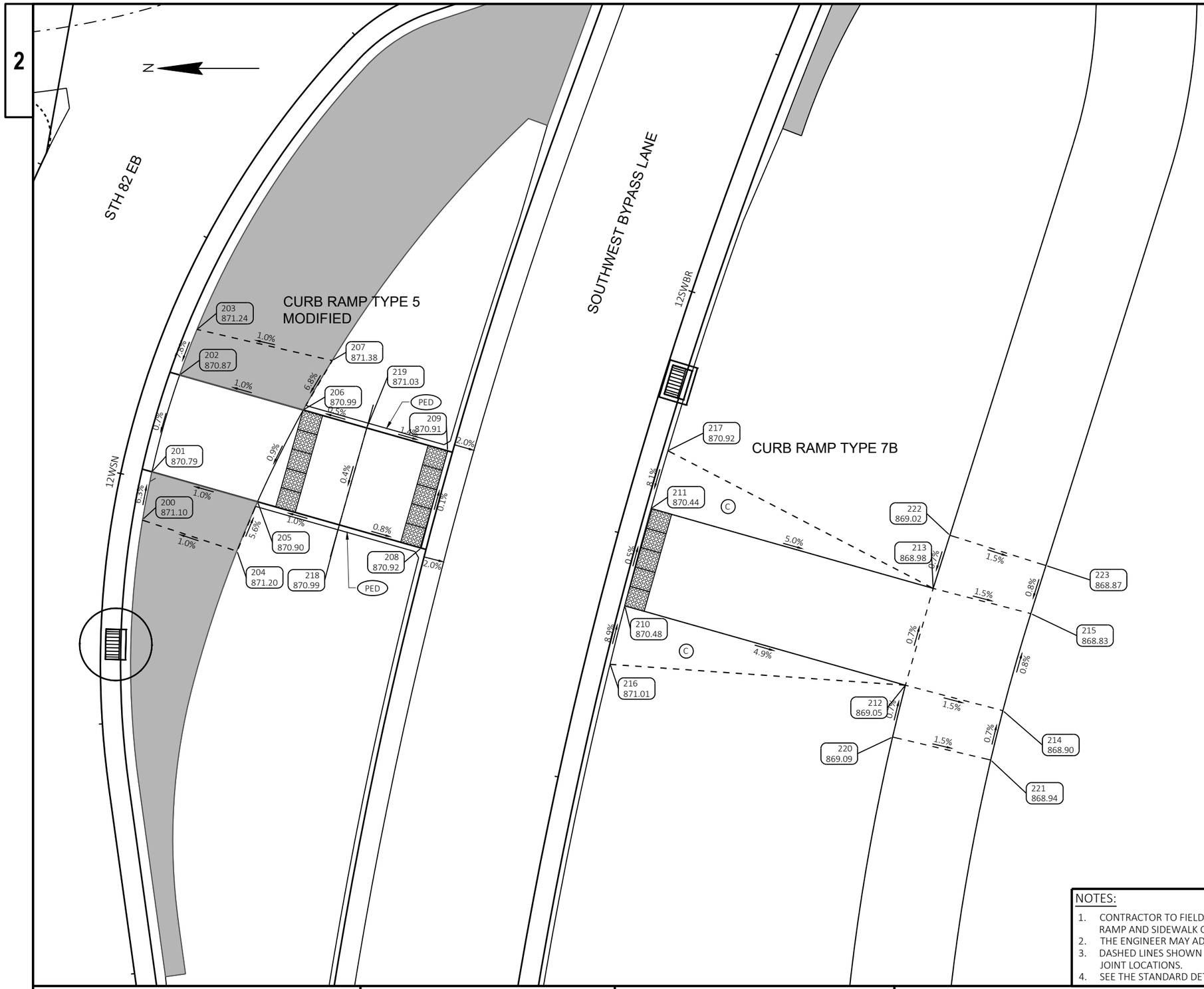


LEGEND:

- XXXX — SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST ESISTING JOINT)
- DETECTABLE WARNING FIELD
- (G) — 6:1 GRADED FLARE
- (C) — 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.



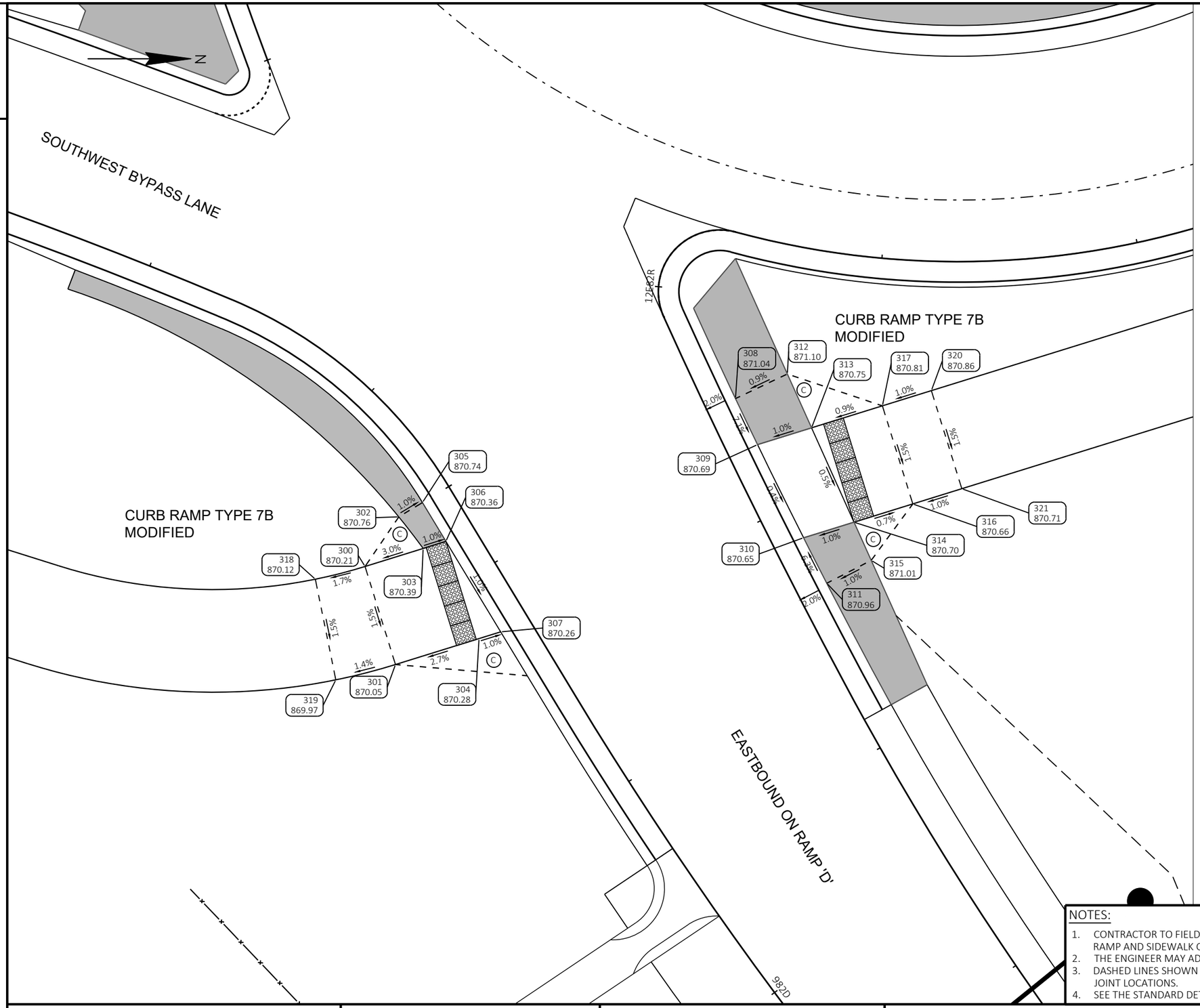
SOUTHWEST CURB RAMPS WEST RAB (2)				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
200	11+64.73 "SWBR"	45.99' LT	156663.53	467562.85
201	11+69.11 "SWBR"	46.27' LT	156662.61	467567.59
202	11+78.18 "SWBR"	46.14' LT	156659.86	467577.20
203	11+82.55 "SWBR"	45.74' LT	156658.14	467581.72
205	11+68.90 "SWBR"	35.38' LT	156652.13	467564.62
206	11+78.18 "SWBR"	33.39' LT	156647.59	467573.73
207	11+83.32 "SWBR"	31.99' LT	156644.71	467578.63
208	11+68.57 "SWBR"	18.50' LT	156635.88	467560.02
209	11+78.18 "SWBR"	18.50' LT	156633.26	467569.67
210	11+68.12 "SWBR"	2.50' RT	156615.67	467554.29
211	11+78.18 "SWBR"	2.50' RT	156613.06	467563.95
212	11+67.42 "SWBR"	31.45' RT	156587.82	467546.40
213	11+78.18 "SWBR"	31.60' RT	156585.06	467556.02
214	11+67.39 "SWBR"	41.45' RT	156578.14	467543.88
215	11+78.43 "SWBR"	41.61' RT	156575.37	467553.51
216	11+62.13 "SWBR"	2.50' RT	156617.13	467548.52
217	11+84.18 "SWBR"	2.50' RT	156611.39	467569.68
218	11+68.74 "SWBR"	26.94' LT	156644.01	467562.32
219	11+78.18 "SWBR"	26.84' LT	156641.28	467571.94
220	11+61.72 "SWBR"	31.46' RT	156589.09	467541.26
221	11+61.83 "SWBR"	41.46' RT	156579.35	467538.98
222	11+84.12 "SWBR"	31.72' RT	156583.40	467561.29
223	11+83.94 "SWBR"	41.72' RT	156573.86	467558.28

LEGEND:

- .XXXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST ESISTING JOINT)
- DETECTABLE WARNING FIELD
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- (XXXX YYY.YY) POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.



SOUTH CURB RAMP WEST RAB				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
300	981+43.78 "D"	11.00' RT	156571.11	467629.91
301	981+53.49 "D"	13.42' RT	156561.56	467632.87
302	981+41.35 "D"	5.69' RT	156575.95	467633.19
303	981+45.21 "D"	5.25' RT	156572.87	467635.57
304	981+55.54 "D"	5.14' RT	156564.09	467641.02
305	981+41.35 "D"	3.00' RT	156577.34	467635.49
306	981+45.77 "D"	3.00' RT	156573.56	467637.78
307	981+56.07 "D"	3.00' RT	156564.75	467643.12
308	981+48.49 "D"	28.35' LT	156587.47	467666.01
309	981+53.44 "D"	27.86' LT	156582.98	467668.15
310	981+63.53 "D"	27.00' LT	156573.91	467672.64
311	981+68.74 "D"	26.62' LT	156569.48	467674.90
312	981+49.06 "D"	33.91' LT	156589.86	467671.06
313	981+54.77 "D"	33.21' LT	156584.62	467673.42
314	981+64.77 "D"	31.99' LT	156575.43	467677.55
315	981+69.15 "D"	31.48' LT	156571.71	467679.23
316	981+66.33 "D"	37.81' LT	156577.21	467683.28
317	981+56.51 "D"	40.22' LT	156586.76	467680.32
318	981+42.33 "D"	15.79' RT	156569.87	467625.06
319	981+51.75 "D"	19.16' RT	156560.07	467627.06
320	981+57.72 "D"	45.08' LT	156588.24	467685.09
321	981+67.71 "D"	42.66' LT	156578.69	467688.06

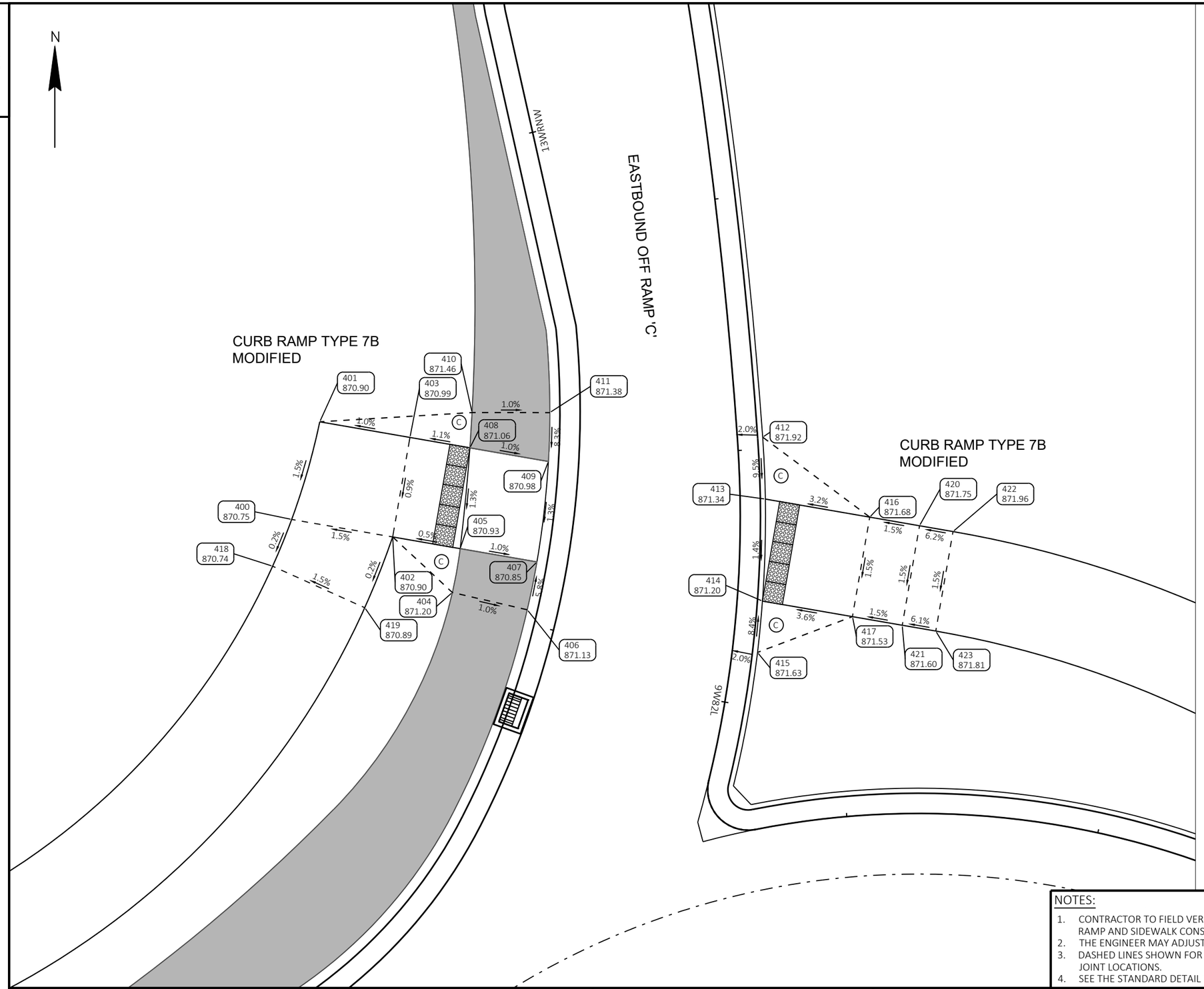
LEGEND:

- .XXXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST ESISTING JOINT)
- DETECTABLE WARNING FIELD
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CURB RAMP DETAILS	SHEET 62	E



NORTH CURB RAMPS WEST RAB				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
400	12+56.39 ''WRNW''	27.63' LT	156795.91	467625.63
401	12+70.46 ''WRNW''	25.76' LT	156805.58	467628.41
402	12+56.39 ''WRNW''	17.49' LT	156794.18	467635.62
403	12+68.72 ''WRNW''	16.80' LT	156804.03	467637.33
404	12+51.39 ''WRNW''	10.61' LT	156788.68	467641.53
405	12+56.39 ''WRNW''	10.71' LT	156793.02	467642.30
406	12+51.39 ''WRNW''	3.00' LT	156786.97	467648.94
407	12+56.38 ''WRNW''	3.00' LT	156791.70	467649.90
408	12+67.79 ''WRNW''	10.83' LT	156803.00	467643.27
409	12+66.76 ''WRNW''	3.00' LT	156801.66	467651.04
410	12+71.76 ''WRNW''	10.69' LT	156806.50	467643.49
411	12+71.76 ''WRNW''	3.00' LT	156806.49	467651.18
412	12+69.75 ''WRNW''	18.10' RT	156804.06	467672.25
413	12+64.68 ''WRNW''	18.68' RT	156797.93	467672.52
414	12+56.39 ''WRNW''	19.66' RT	156787.84	467672.23
415	12+52.22 ''WRNW''	20.17' RT	156782.75	467671.74
416	12+63.95 ''WRNW''	29.12' RT	156796.14	467682.85
417	12+56.39 ''WRNW''	28.70' RT	156786.30	467681.14
418	12+49.23 ''WRNW''	28.51' LT	156791.28	467623.74
419	12+47.07 ''WRNW''	18.64' LT	156787.18	467632.86
420	12+63.65 ''WRNW''	34.11' RT	156795.29	467687.77
421	12+56.39 ''WRNW''	33.70' RT	156785.44	467686.06
422	12+63.46 ''WRNW''	37.47' RT	156794.72	467691.09
423	12+56.39 ''WRNW''	37.07' RT	156784.86	467689.38

LEGEND:

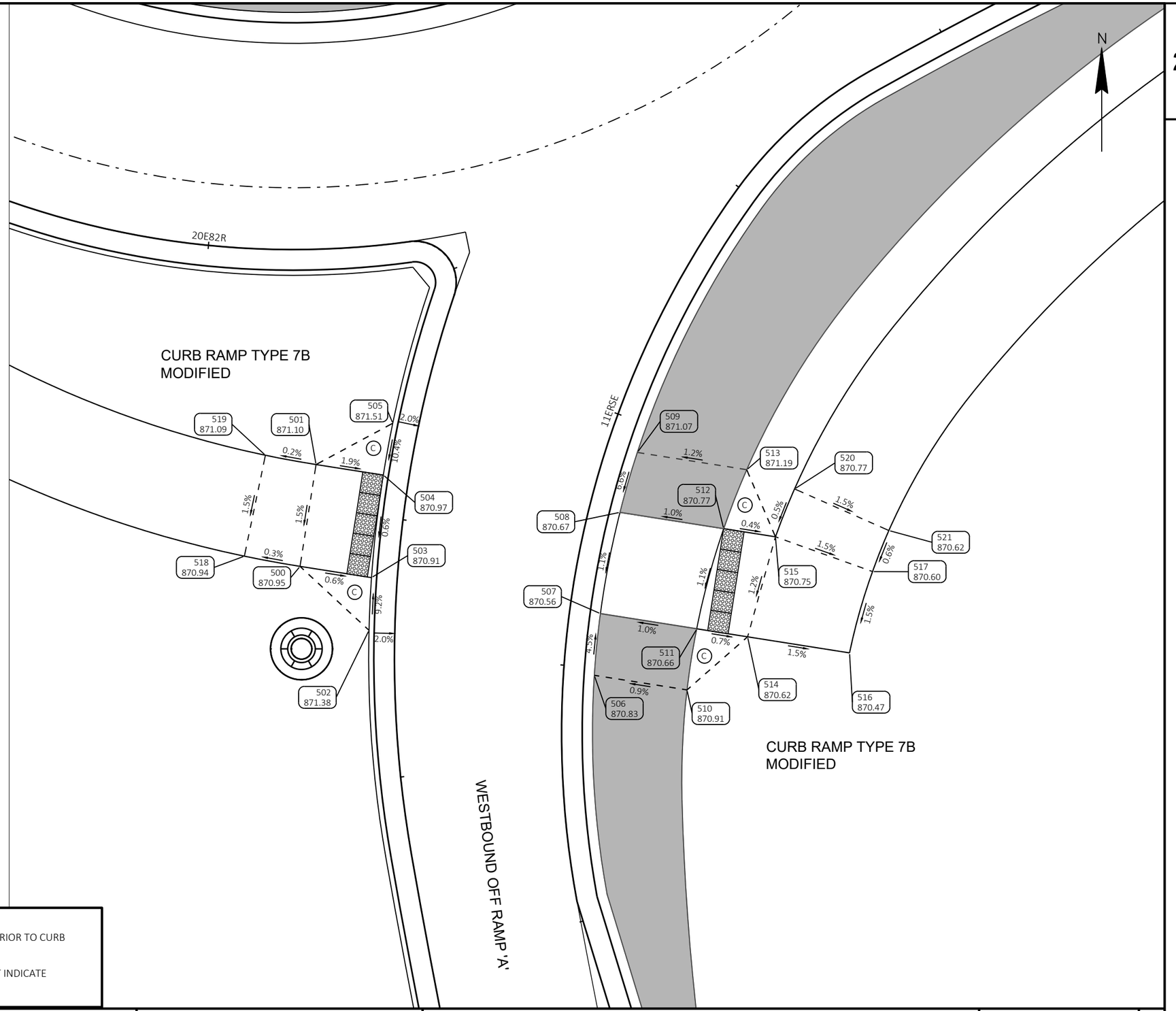
- .XXXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST ESISTING JOINT)
- DETECTABLE WARNING FIELD
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- (XXXX YYY.YY) POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CURB RAMP DETAILS	SHEET 63	E

SOUTH CURB RAMP EAST RAB				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
500	20+55.26 ''E82R''	9.49' RT	156523.78	468436.73
501	20+46.04 ''E82R''	9.10' RT	156533.66	468438.28
502	20+60.81 ''E82R''	2.50' RT	156517.59	468443.42
503	20+55.81 ''E82R''	2.50' RT	156522.69	468443.66
504	20+46.02 ''E82R''	2.50' RT	156532.64	468444.80
505	20+41.02 ''E82R''	2.50' RT	156537.67	468445.72
506	10+74.21 ''ERSE''	3.00' RT	156513.22	468465.28
507	10+80.42 ''ERSE''	3.00' RT	156519.20	468465.87
508	10+90.78 ''ERSE''	3.00' RT	156529.03	468467.77
509	10+97.05 ''ERSE''	2.99' RT	156534.85	468469.45
510	10+73.24 ''ERSE''	12.06' RT	156511.81	468474.27
511	10+80.15 ''ERSE''	12.46' RT	156517.71	468475.22
512	10+91.88 ''ERSE''	13.14' RT	156527.44	468477.83
513	10+99.07 ''ERSE''	13.58' RT	156533.16	468480.07
514	10+80.01 ''ERSE''	17.45' RT	156516.95	468480.15
515	10+92.54 ''ERSE''	18.19' RT	156526.65	468482.85
516	10+79.62 ''ERSE''	27.46' RT	156515.40	468490.04
517	10+91.44 ''ERSE''	28.16' RT	156523.28	468492.27
518	20+54.74 ''E82R''	14.96' RT	156524.77	468431.32
519	20+45.94 ''E82R''	14.09' RT	156534.56	468433.37
520	10+98.81 ''ERSE''	18.58' RT	156531.30	468484.70
521	10+97.67 ''ERSE''	28.54' RT	156527.26	468493.85

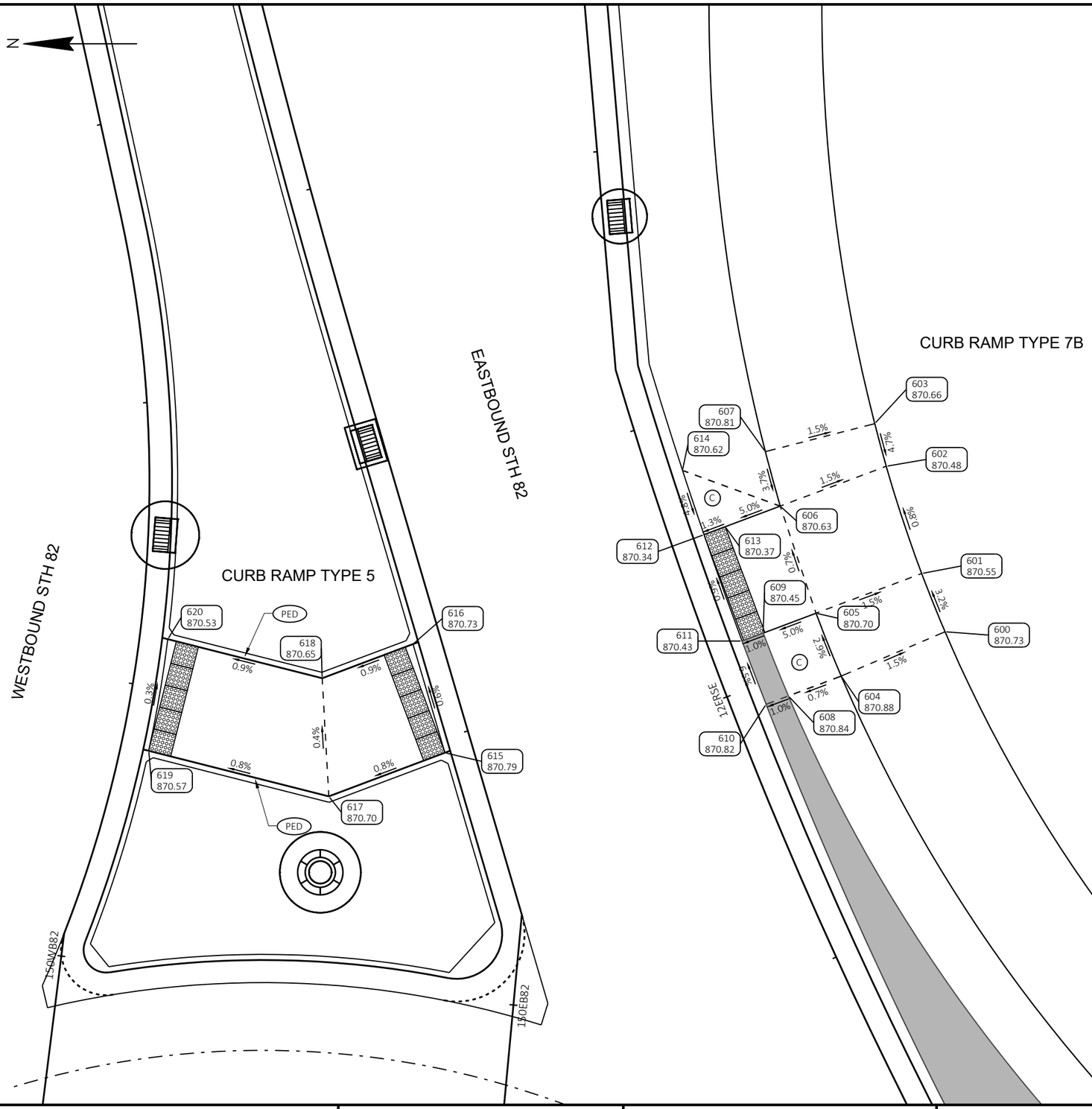


LEGEND:

.XXXX.	SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST ESISTING JOINT)
	DETECTABLE WARNING FIELD
G	6:1 GRADED FLARE
C	10:1 CONCRETE FLARE
PED	CONCRETE CURB PEDESTRIAN
XXXX YYY.YY	POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.



SOUTHEAST CURB RAMPS EAST RAB				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
600	150+21.52 "EB82"	43.03' RT	156577.06	468550.14
601	150+27.06 "EB82"	42.50' RT	156579.13	468555.30
602	150+37.06 "EB82"	42.17' RT	156582.27	468564.80
603	150+40.97 "EB82"	42.25' RT	156583.29	468568.57
604	150+20.34 "EB82"	33.10' RT	156586.26	468546.21
605	150+26.32 "EB82"	32.53' RT	156588.49	468551.78
606	150+36.32 "EB82"	32.16' RT	156591.66	468561.27
607	150+41.32 "EB82"	32.26' RT	156592.98	468566.09
608	150+19.97 "EB82"	28.11' RT	156590.94	468544.45
609	150+25.95 "EB82"	27.54' RT	156593.17	468550.02
610	150+19.82 "EB82"	26.01' RT	156592.91	468543.71
611	150+25.80 "EB82"	25.55' RT	156595.05	468549.32
612	150+35.79 "EB82"	24.97' RT	156598.41	468558.73
613	150+35.93 "EB82"	26.97' RT	156596.54	468559.44
614	150+41.78 "EB82"	24.74' RT	156600.32	468564.43
615	150+23.72 "EB82"	2.50' LT	156621.37	468539.42
616	150+33.75 "EB82"	2.50' LT	156624.20	468549.04
617	150+22.91 "EB82"	13.46' LT	156631.66	468535.56
618	150+33.12 "EB82"	11.07' LT	156632.24	468546.02
619	150+31.28 "EB82"	27.63' LT	156647.61	468539.60
620	150+40.29 "EB82"	23.22' LT	156645.92	468549.48

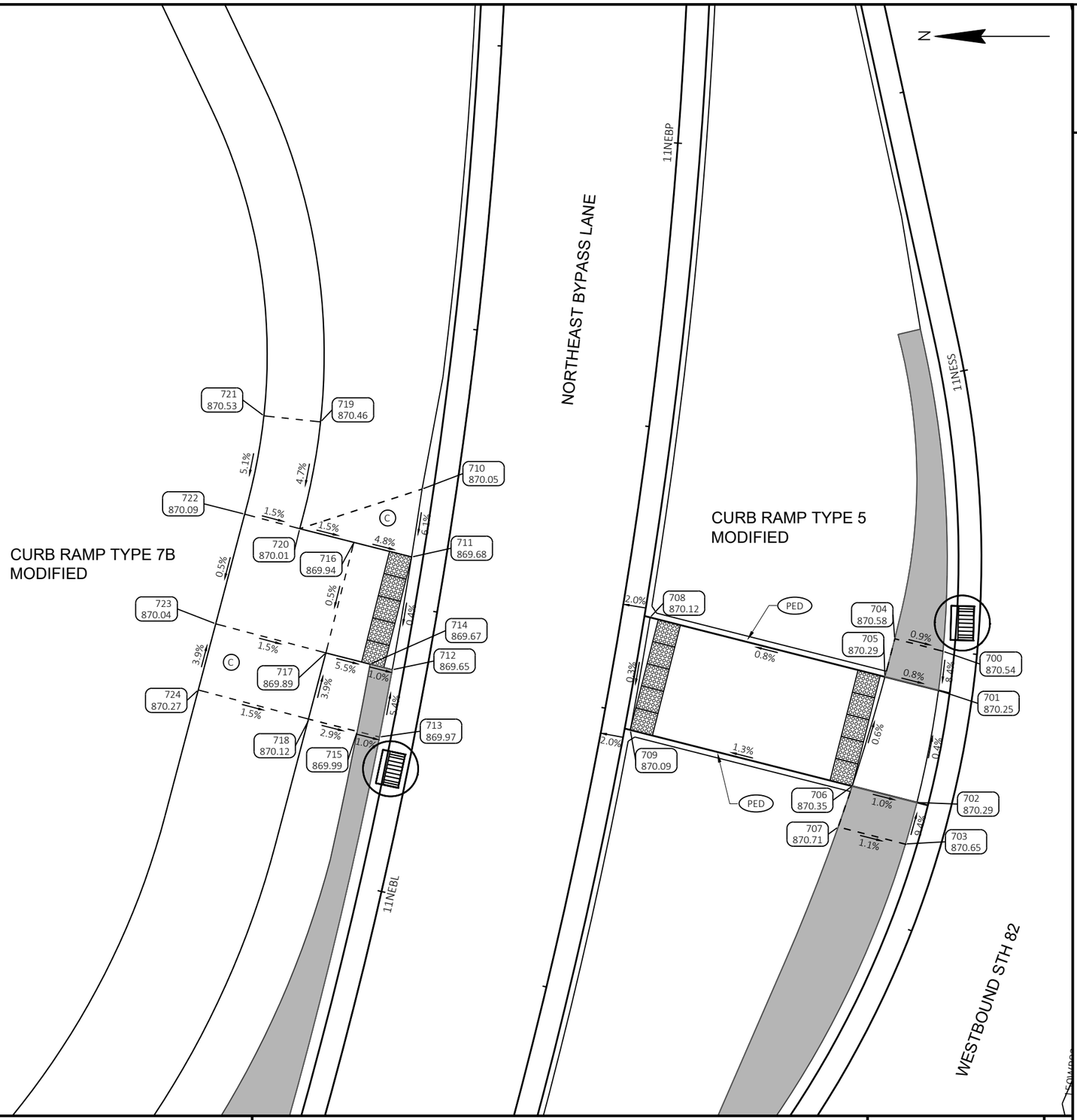
LEGEND:

- .XXXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST ESISTING JOINT)
- DETECTABLE WARNING FIELD
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

NORTHEAST CURB RAMP EAST RAB				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
700	11+28.71 "NEBL"	44.34' RT	156667.50	468558.47
701	11+25.57 "NEBL"	44.52' RT	156667.89	468555.04
702	11+16.45 "NEBL"	44.39' RT	156669.78	468545.20
703	11+13.02 "NEBL"	44.10' RT	156670.78	468541.56
704	11+29.06 "NEBL"	40.00' RT	156671.72	468559.54
705	11+25.92 "NEBL"	39.69' RT	156672.58	468556.23
706	11+16.77 "NEBL"	38.54' RT	156675.46	468546.63
707	11+13.32 "NEBL"	38.02' RT	156676.69	468543.06
708	11+27.58 "NEBL"	18.50' RT	156693.19	468561.44
709	11+17.94 "NEBL"	18.50' RT	156694.93	468551.57
710	11+35.48 "NEBL"	3.00' LT	156713.20	468572.69
711	11+29.41 "NEBL"	3.00' LT	156714.12	468566.73
712	11+19.32 "NEBL"	3.00' LT	156715.81	468556.85
713	11+13.26 "NEBL"	3.00' LT	156716.94	468550.95
714	11+19.45 "NEBL"	5.00' LT	156717.76	468557.34
715	11+13.37 "NEBL"	5.00' LT	156718.88	468551.44
716	11+29.88 "NEBL"	8.21' LT	156719.18	468568.02
717	11+19.72 "NEBL"	8.99' LT	156721.64	468558.32
718	11+13.61 "NEBL"	9.35' LT	156723.11	468552.51
719	11+40.15 "NEBL"	12.64' LT	156722.11	468578.58
720	11+30.34 "NEBL"	13.09' LT	156723.93	468569.22
721	11+40.01 "NEBL"	17.64' LT	156727.08	468579.12
722	11+30.86 "NEBL"	18.06' LT	156728.77	468570.49
723	11+20.53 "NEBL"	18.96' LT	156731.31	468560.87
724	11+14.28 "NEBL"	19.40' LT	156732.84	468555.07



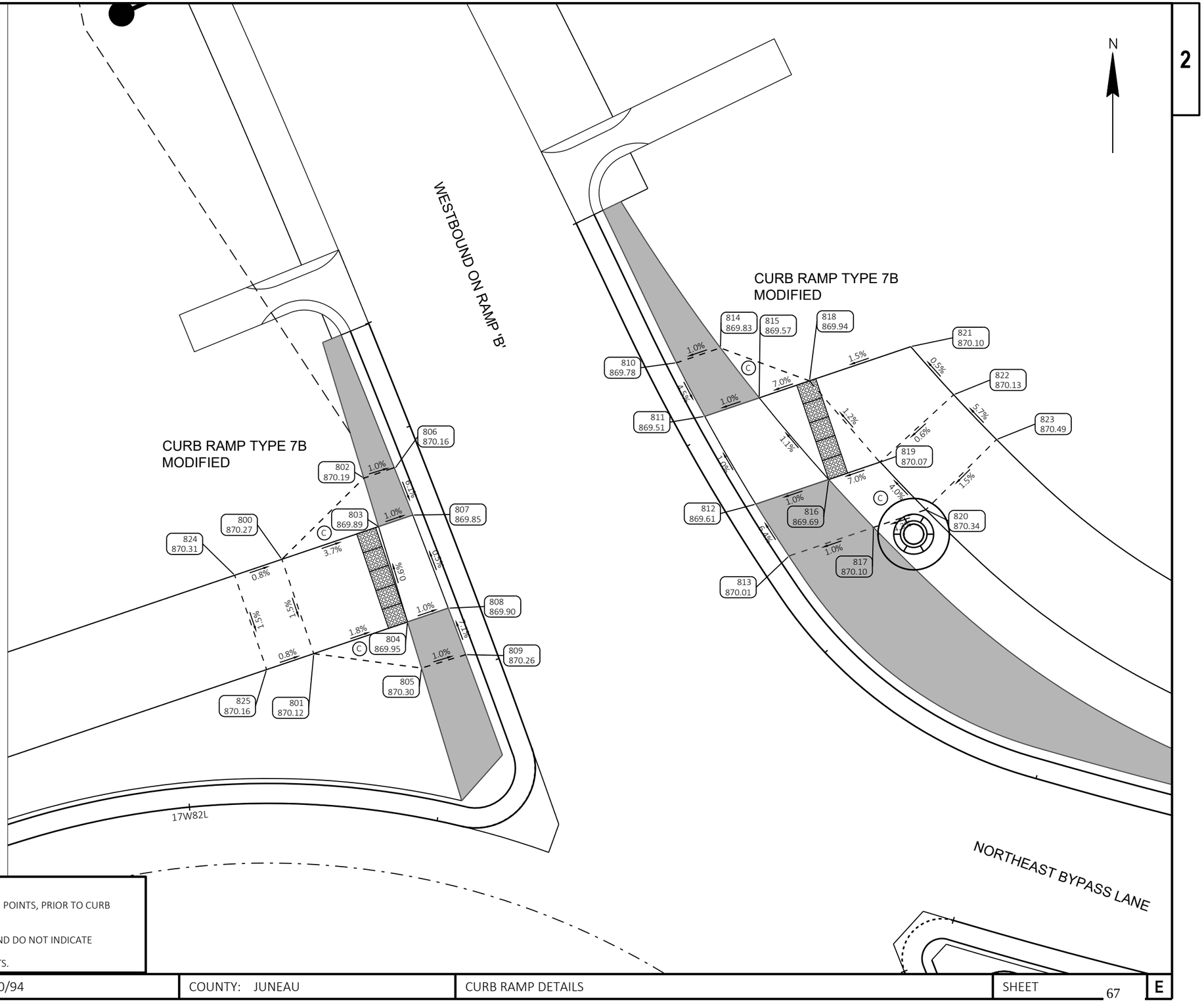
LEGEND:

- .XXXX. SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST ESISTING JOINT)
- DETECTABLE WARNING FIELD
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

NORTH CURB RAMPS EAST RAB				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
800	10+16.76 "NEBL"	41.29' RT	156745.01	468437.42
801	10+24.91 "NEBL"	42.91' RT	156735.54	468440.62
802	10+13.67 "NEBL"	30.28' RT	156753.16	468445.66
803	10+18.02 "NEBL"	31.14' RT	156748.30	468447.13
804	10+26.46 "NEBL"	33.14' RT	156738.72	468450.04
805	10+30.50 "NEBL"	34.25' RT	156734.09	468451.45
806	10+14.12 "NEBL"	27.08' RT	156754.11	468448.76
807	10+18.49 "NEBL"	27.55' RT	156749.46	468450.57
808	10+27.19 "NEBL"	28.89' RT	156740.11	468454.15
809	10+31.47 "NEBL"	29.75' RT	156735.44	468455.89
810	10+17.06 "NEBL"	3.00' LT	156764.75	468477.06
811	10+23.23 "NEBL"	3.00' LT	156759.37	468479.90
812	10+33.59 "NEBL"	3.00' LT	156750.55	468485.03
813	10+39.88 "NEBL"	3.00' LT	156745.34	468488.36
814	10+17.76 "NEBL"	7.61' LT	156766.24	468481.48
815	10+24.28 "NEBL"	8.69' LT	156761.22	468485.37
816	10+35.43 "NEBL"	10.53' LT	156753.03	468492.36
817	10+42.30 "NEBL"	11.66' LT	156748.22	468496.86
818	10+25.31 "NEBL"	13.94' LT	156762.93	468490.43
819	10+36.80 "NEBL"	15.79' LT	156754.76	468497.49
820	10+44.35 "NEBL"	16.99' LT	156749.99	468502.11
821	10+27.57 "NEBL"	24.47' LT	156766.37	468500.60
822	10+34.84 "NEBL"	25.68' LT	156761.54	468504.90
823	10+41.89 "NEBL"	26.84' LT	156757.04	468509.21
824	10+16.18 "NEBL"	46.24' RT	156743.41	468432.68
825	10+24.17 "NEBL"	47.83' RT	156733.94	468435.88



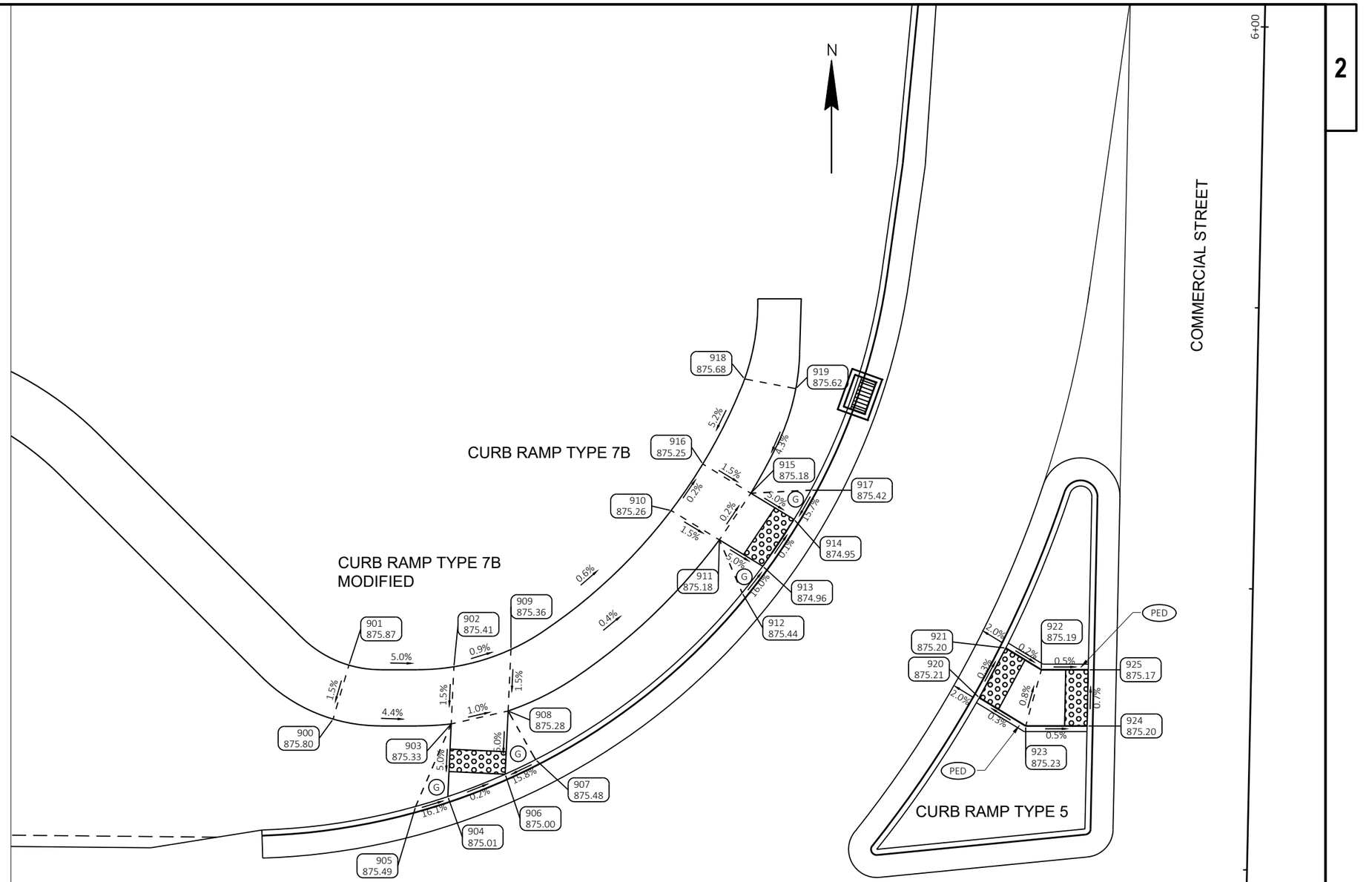
LEGEND:

- XXXX — SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST ESISTING JOINT)
- DETECTABLE WARNING FIELD
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
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4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

Commercial				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
900	5+36.70 "CM"	81.58' LT	156712.76	469273.26
901	5+41.53 "CM"	80.28' LT	156717.56	469274.66
902	5+41.58 "CM"	70.93' LT	156717.42	469284.01
903	5+36.50 "CM"	71.07' LT	156712.34	469283.77
904	5+30.03 "CM"	71.23' LT	156705.87	469283.47
905	5+29.09 "CM"	74.08' LT	156704.99	469280.60
906	5+32.13 "CM"	66.18' LT	156707.87	469288.57
907	5+33.48 "CM"	63.50' LT	156709.16	469291.27
908	5+37.75 "CM"	66.03' LT	156713.49	469288.83
909	5+43.23 "CM"	65.89' LT	156718.96	469289.09
910	5+55.88 "CM"	51.90' LT	156731.32	469303.34
911	5+53.37 "CM"	47.55' LT	156728.71	469307.63
912	5+48.69 "CM"	45.43' LT	156723.99	469309.66
913	5+51.10 "CM"	43.64' LT	156726.36	469311.49
914	5+55.32 "CM"	40.95' LT	156730.52	469314.28
915	5+57.58 "CM"	44.84' LT	156732.86	469310.43
916	5+60.08 "CM"	49.17' LT	156735.46	469306.16
917	5+57.96 "CM"	39.51' LT	156733.13	469315.77
918	5+67.73 "CM"	45.61' LT	156743.02	469309.87
919	5+66.96 "CM"	41.04' LT	156742.16	469314.43
920	5+39.81 "CM"	24.14' LT	156714.67	469330.76
921	5+44.28 "CM"	21.87' LT	156719.08	469333.12
922	5+42.42 "CM"	18.66' LT	156717.16	469336.29
923	5+37.39 "CM"	19.96' LT	156712.16	469334.89
924	5+37.50 "CM"	14.50' LT	156712.16	469340.35
925	5+42.51 "CM"	14.50' LT	156717.16	469340.45



LEGEND:

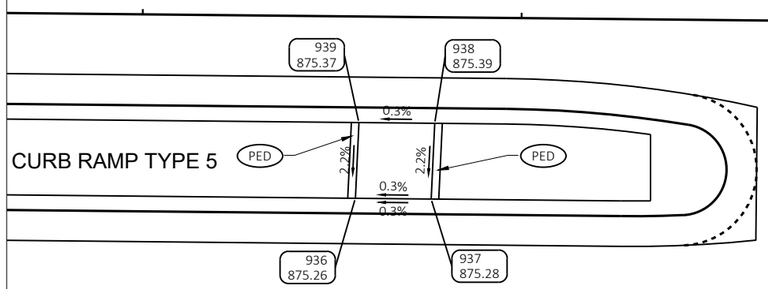
.XXXX.	SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST ESISTING JOINT)
	DETECTABLE WARNING FIELD
G	6:1 GRADED FLARE
C	10:1 CONCRETE FLARE
PED	CONCRETE CURB PEDESTRIAN
XXXX YYY.YY	POINT NUMBER & ELEVATION

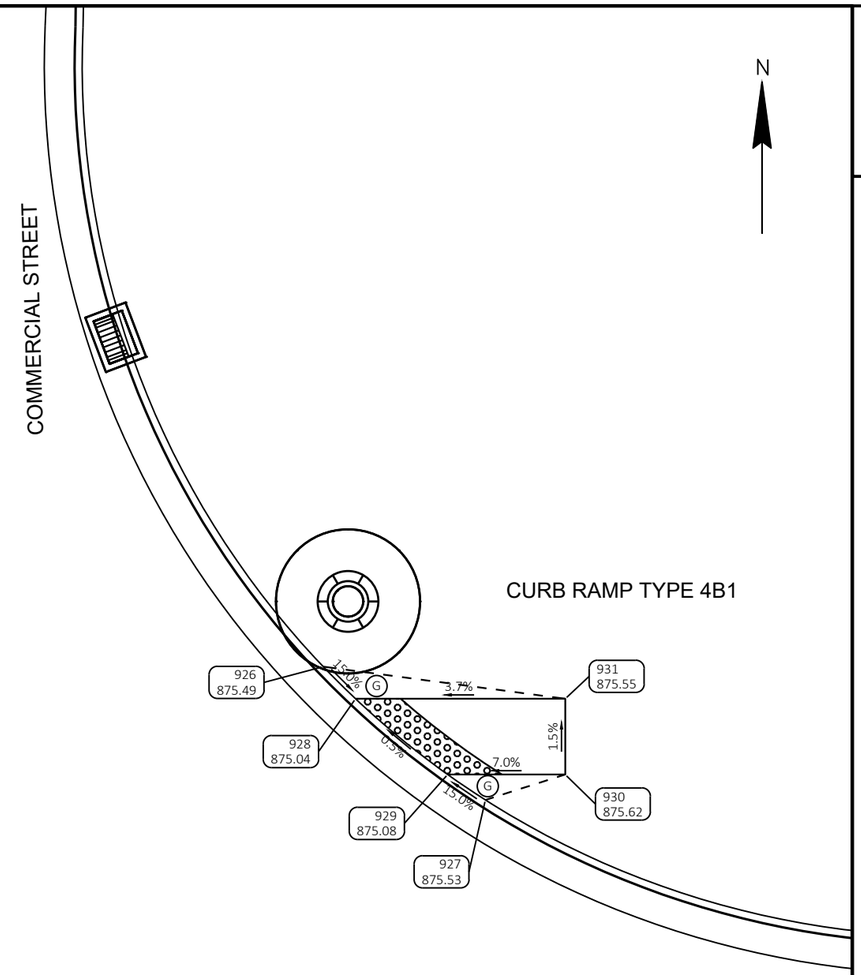
NOTES:

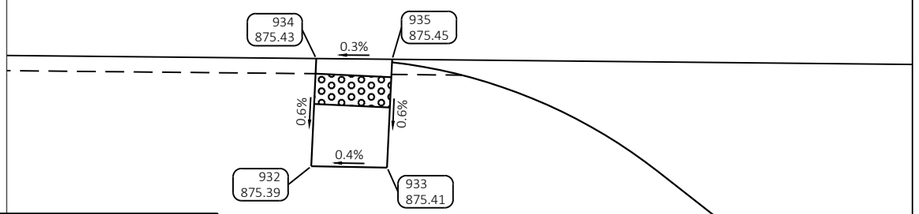
1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CURB RAMP DETAILS	SHEET 68	E

Commercial				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
926	5+45.79 "CM"	41.38' RT	156719.27	469396.39
927	5+37.23 "CM"	52.26' RT	156710.48	469407.09
928	5+43.72 "CM"	43.56' RT	156717.16	469398.52
929	5+38.85 "CM"	49.74' RT	156712.16	469404.60
930	5+39.02 "CM"	57.50' RT	156712.16	469412.36
931	5+44.01 "CM"	57.39' RT	156717.16	469412.36
932	157+65.35 "EB82"	32.11' RT	156600.99	469278.55
933	157+70.35 "EB82"	32.15' RT	156600.90	469283.55
934	157+65.61 "EB82"	25.00' RT	156608.10	469278.88
935	157+70.61 "EB82"	25.00' RT	156608.05	469283.89
936	157+67.64 "EB82"	30.00' LT	156663.07	469281.46
937	157+72.65 "EB82"	30.00' LT	156663.02	469286.46
938	157+72.83 "EB82"	35.00' LT	156668.02	469286.70
939	157+67.83 "EB82"	35.00' LT	156668.07	469281.70







LEGEND:

.XXXX.	SAWCUT REQ'D (SAWCUTS TO BE AT NEAREST ESISTING JOINT)
	DETECTABLE WARNING FIELD
G	6:1 GRADED FLARE
C	10:1 CONCRETE FLARE
PED	CONCRETE CURB PEDESTRIAN
XXXX YYY.YY	POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST FIELD CONDITIONS TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CURB RAMP DETAILS	SHEET 69	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\021301-CR.DWG
LAYOUT NAME - 021310-cr
PLOT DATE : 12/3/2021 1:37 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

LEGEND

	PROPOSED	EXISTING
FTMS CONVENTIONAL SYMBOLS		
POLE MOUNTED CABINET	⊠	
METER BREAKER PEDESTAL	⊠	
24X42-INCH CSCP PULL BOX	⊖	
FTMS (ITS) CONDUIT	- -	
BREAKER DISCONNECT BOX	⊞	
COMMUNICATIONS VAULT, TYPE 1		CV
CAMERA POLE BASE, POLE, AND CAMERA	CAMERA ORIENTATION	

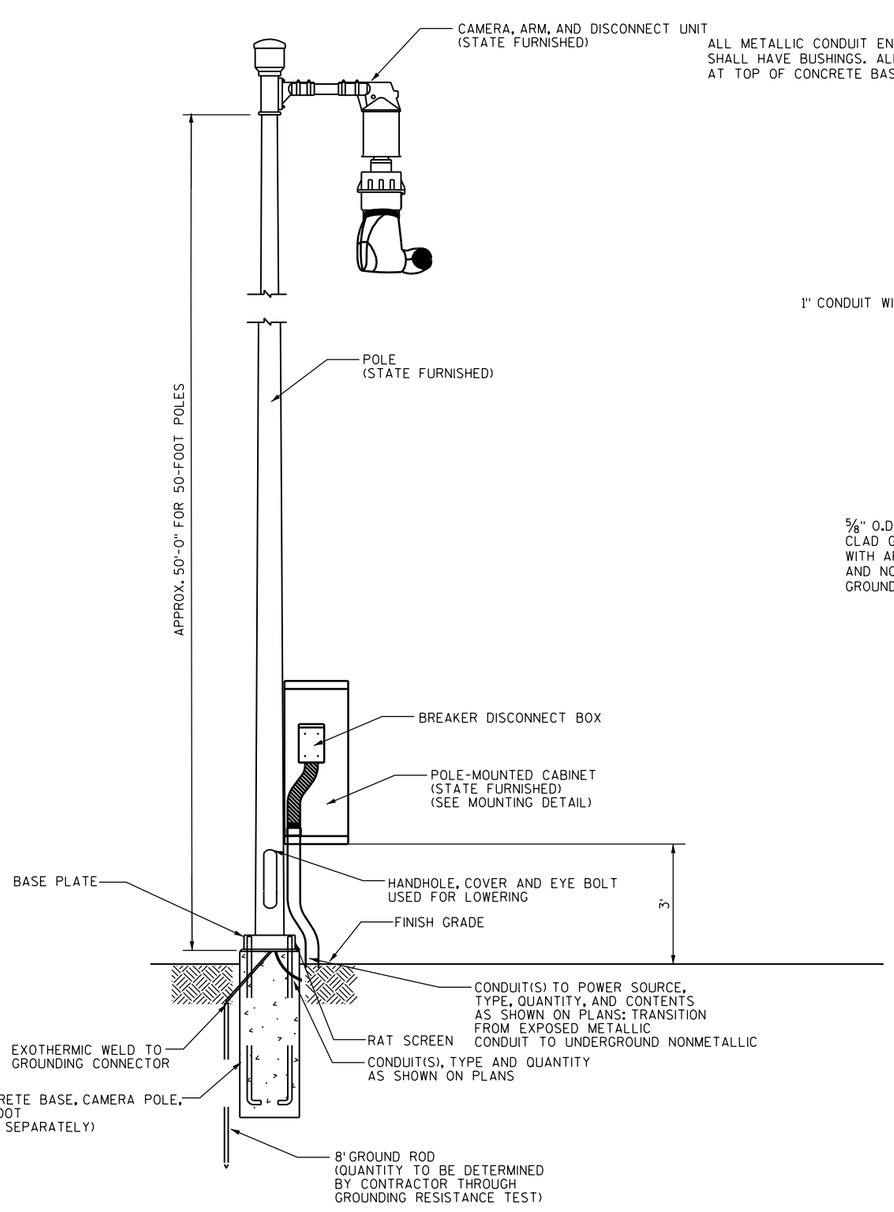
FTMS STANDARD ABBREVIATIONS

CB	CONTROLLER CABINET
CCTV	CLOSED CIRCUIT TELEVISION SITE
CV	COMMUNICATIONS VAULT
PB	PULL BOX
EX	EXISTING
FOC	FIBER OPTIC CABLE
F.O.	FIBER OPTIC
S-F	STATE-FURNISHED

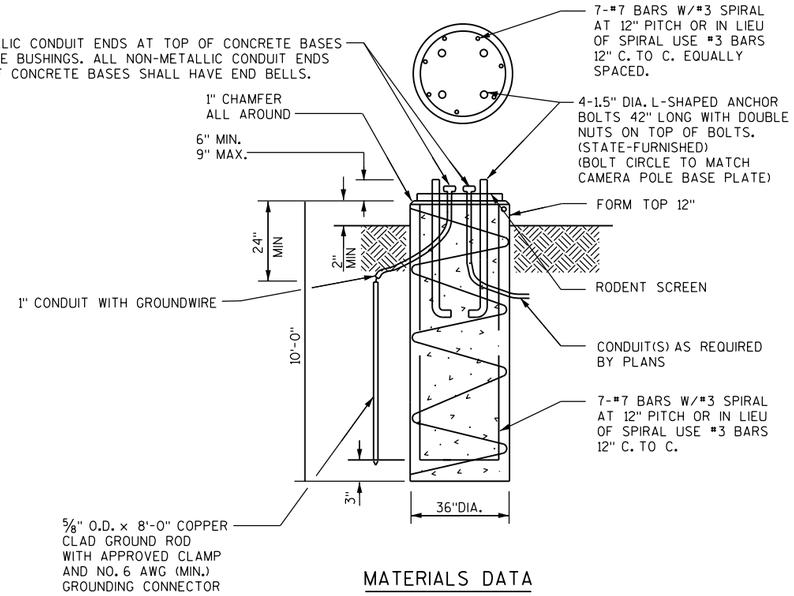
FTMS GENERAL NOTES

1. THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.
2. BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.
3. BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS, PULLBOXES, POLES, CABINET FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.
4. NO TREES (AND/OR SHRUBS) SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
5. AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND EROSION MAT, AND SHALL BE INCLUDED IN THE COST OF INSTALLING FTMS ITEMS. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION SHALL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS.
6. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
7. DUE TO RAMP, LANE, SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.
8. THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.
9. THE CONTRACTOR SHALL CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.
10. ALL LOOP DETECTORS ARE STATIONED TO CENTER OF LEADING EDGE AS APPROACHED BY NORMAL VEHICLE PATH.
11. HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.
12. VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.

2



CAMERA POLE WITH CAMERA LOWERING HARDWARE

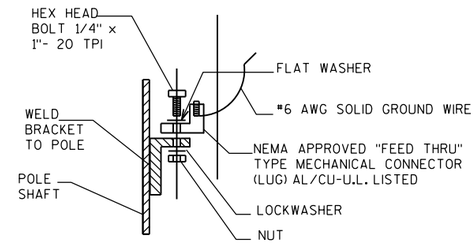


MATERIALS DATA

CONCRETE	f'c=3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT	fy = 60,000 psi

CONCRETE BASE, 50' CAMERA POLE

NOT TO SCALE



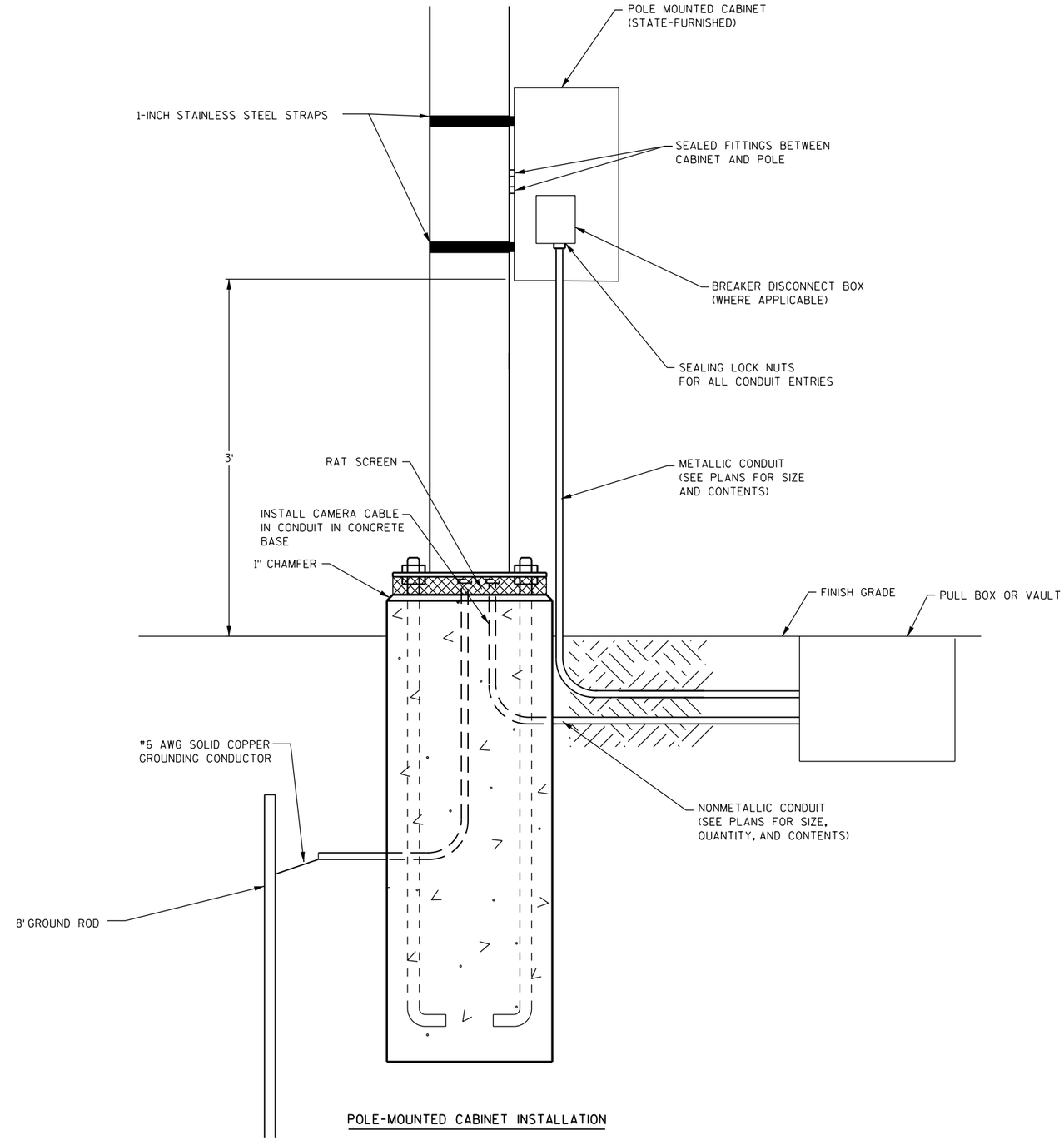
FIELD INSTALLED GROUNDING LUG

NOTES

1) ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL
2) POLE DRAWINGS SHOWN FOR BIDDING INFORMATION PURPOSES ONLY. POLES WILL BE STATE FURNISHED. BASE TO BE CONTRACTOR DESIGNED.
3) CONTRACTOR SHALL CONFIRM BOLT PATTERN OF CAMERA POLE PRIOR TO CONSTRUCTION OF CONCRETE BASE.
4) CONTRACTOR SHALL INSTALL GROUNDING LUG AS SHOWN

CAMERA POLES & FOUNDATIONS

2



POLE-MOUNTED CABINET INSTALLATION

2

2

PB8202

PB8203

PB8204

EXCV820998
(1) INSTALL PROPOSED CONDUIT INTO EXISTING VAULT
(6) F.O. SPLICES IN NEW F.O. SPLICE ENCLOSURE (S-F)

PB8205

MB-CCTV-29-0143

STH 82

STH 82

PB8201

(1) 2-INCH METALLIC CONDUIT WITH
(3) NO. 6 AWG TRAFFIC SIGNAL WIRES

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) 6-COUNT FOC (S-F) AND
(1) NO. 10 AWG TRAFFIC SIGNAL WIRE

(1) 2-INCH NONMETALLIC CONDUIT WITH
(3) NO. 6 AWG TRAFFIC SIGNAL WIRES

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) 6-COUNT FOC (S-F) AND
(1) NO. 10 AWG TRAFFIC SIGNAL WIRE

CCTV-29-0143
(1) 50-FOOT CAMERA POLE BASE
(1) 50-FOOT CAMERA POLE (S-F)
(1) CCTV CAMERA (S-F)
(1) POLE-MOUNTED CABINET (S-F)
(1) ELECTRICAL SERVICE BREAKER DISCONNECT BOX
(1) 12-COUNT F.O. TERMINATION PANEL (S-F)
(6) F.O. TERMINATIONS
(1) ETHERNET SWITCH (S-F)

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) 6-COUNT FOC (S-F) AND
(1) NO. 10 AWG TRAFFIC SIGNAL WIRE

190/194

190/194

894ML 896ML 898ML 900ML 902ML 904ML 906ML 908ML

PROJECT NO: 1016-05-70	HWY: IH 90 / 94	COUNTY: JUNEAU	FTMS PLANS	SHEET 73	E

2

N

EASTBOUND OFF RAMP 'C'

WEST ROUNDABOUT 'WRAB'

WESTBOUND STH 82 'WB82'

EASTBOUND STH 82 'EB82'

SOUTHWEST BYPASS LANE 'SWBP'

EASTBOUND ON RAMP 'D'

EASTBOUND IH 90/94 'EB'

WESTBOUND IH 90/94 'WB'

EAST ROUNDABOUT 'ERAB'

WESTBOUND ON RAMP 'B'

NORTHEAST BYPASS LANE 'NEBP'

WESTBOUND STH 82 'WB82'

EASTBOUND STH 82 'EB82'

SOUTHEAST DITCH 'DT'

WESTBOUND OFF RAMP 'A'

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTION MATCHLINES	SHEET 74	E

2

2

N

WESTBOUND IH 90/94 'WB'

953WB 954WB 955WB 956WB 957WB 958WB 959WB 960WB 961WB 962WB 963WB 964WB 965WB 966WB 967WB 968WB

953EB 954EB 955EB 956EB 957EB 958EB 959EB 960EB 961EB 962EB 963EB 964EB 965EB 966EB 967EB 968EB

965C 966C 967C 968C

EASTBOUND IH 90/94 'EB'

EASTBOUND OFF RAMP 'C'

MATCH LINE STA 968+50EB

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTION MATCHLINES	SHEET 75	E

2

N

WESTBOUND ON RAMP 'B'

WESTBOUND IH 90/94 'WB'

EASTBOUND IH 90/94 'EB'

EASTBOUND OFF RAMP 'C'

MATCH LINE STA 968+50EB

MATCH LINE STA 983+50EB

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTION MATCHLINES	SHEET 76	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021801-XM.DWG
LAYOUT NAME - 021803-xm
PLOT DATE : 11/17/2021 1:10 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

MATCH LINE STA 983+50EB

MATCH LINE STA 998+50EB

WESTBOUND OFF RAMP 'A'

WESTBOUND IH 90/94 'WB'

EASTBOUND IH 90/94 'EB'

EASTBOUND ON RAMP 'D'

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTION MATCHLINES	SHEET 77	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021801-XM.DWG
LAYOUT NAME - 021804-xm

PLOT DATE : 11/17/2021 1:10 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

MATCH LINE STA 998+50EB

WESTBOUND IH 90/94 'WB'

999A
999WB
1000WB
1001WB
1002WB
1003WB
1004WB
1005WB
1006WB
1007WB
1008WB
1009WB
1010WB
1011WB
1012WB
1013WB

999EB
1000EB
1001EB
1002EB
1003EB
1004EB
1005EB
1006EB
1007EB
1008EB
1009EB
1010EB
1011EB
1012EB
1013EB

EASTBOUND IH 90/94 'EB'

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTION MATCHLINES	SHEET 78	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\021801-XM.DWG
LAYOUT NAME - 021805-xm

PLOT DATE : 10/28/2021 9:10 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

CTH G

R/W

EXISTING R/W

WESTBOUND IH 90/94

932EB 934EB 936EB 938EB 940EB 942EB 944EB 946

EASTBOUND IH 90/94

SIGN

SIGN

EXISTING R/W

MH

INL

W

CTH G

R/W

EXISTING PIPE TO REMAIN

226

WESTBOUND IH 90/94

MATCH LINE STA 946+00EB

948EB 950EB 952EB 954EB 956EB 958EB 960EB

EASTBOUND IH 90/94

B SIGN

BEGIN PROJECT
STA 947+02.97EB
MATCH EXISTING
SAW CUT REQ'D

EXISTING PIPE TO REMAIN

STA 947+52EB
1-24" SSPRC CL IV
1-RC AEW REQ'D

STA 953+12EB
1-18" SSPRC CL IV
3-18" CPCPE
1-AEW FOR CPCS REQ'D
CONNECT TO EXISTING INLET

EXISTING PIPE TO REMAIN

SLOPE INTERCEPT

EXISTING R/W

STA 958+44EB
1-24" SSPRC CL IV
1-INLET MEDIAN 1 GRATE, TYPE MS
1-RC AEW REQ'D

MATCH LINE STA 961+00EB

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 2	SHEET 79	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC2.DWG
LAYOUT NAME - 01

PLOT DATE : 10/28/2021 7:13 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 961+00EB

EXISTING R/W

R/W

REMOVE EXISTING PIPE UNDER EB LANES

WESTBOUND IH 90/94

962EB 964EB 966EB 968EB 970EB 972EB 974EB

EASTBOUND IH 90/94

966C 968C 970C 972C 974C

IH 90/94 EB OFF-RAMP

SIGN

STA 961+49EB
1-REMOVING ENDWALL
1-30" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D
INV(I) = 899.22'
INV(E) = 894.61'

REMOVE EXISTING PIPE UNDER EB LANES

STA 963+01EB
1-REMOVING ENDWALL
1-18" CPCS
1-AEW FOR CP REQ'D
1-CONCRETE COLLAR REQ'D
INV(I) = 899.22'
INV(E) = 899.11'

SLOPE INTERCEPT

SIGN POST

EXISTING R/W

MATCH LINE STA 976+00EB

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

ABANDON EXISTING PIPE

978EB 980EB 982EB 984EB 986EB

MATCH LINE STA 976+00EB

MATCH LINE STA 991+00EB

IH 90/94 EB OFF-RAMP

978C 980C

STH 82

144FB82

144FB83

144FB84

144FB85

144FB86

144FB87

144FB88

144FB89

144FB90

144FB91

144FB92

144FB93

144FB94

144FB95

144FB96

144FB97

144FB98

144FB99

144FB100

144FB101

144FB102

144FB103

144FB104

144FB105

144FB106

144FB107

144FB108

144FB109

144FB110

144FB111

144FB112

144FB113

144FB114

144FB115

144FB116

144FB117

144FB118

144FB119

144FB120

144FB121

2

2

R/W

SIGN

998A

994A

996A

EXISTING PIPE TO REMAIN

998A

EXISTING PIPE TO REMAIN

EXISTING R/W

WESTBOUND IH 90/94

MATCH LINE STA 991+00EB

992EB

994EB

996EB

998EB

1000EB

1002EB

1004EB

EASTBOUND IH 90/94

994D

996D

992D

SIGN

EXISTING R/W

SLOPE INTERCEPT

STA 996+81EB
1-REMOVING ENDWALL
1-30" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D
INV(I) = 859.74'
INV(E) = 892.73'

STA 1002+29EB
1-REMOVING ENDWALL
1-30" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D
INV(I) = 859.76'
INV(E) = 859.75'

STA 991+11EB
2-18" SSPCS CL IV
1-INLET MEDIAN 1 GRATE, TYPE MS
1-RC AEW REQ'D
CONNECT TO EXISTING INLET

MATCH LINE STA 1006+00EB

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

SENSITIVE AREA

LEMONWEIR RIVER

EXISTING R/W

RIPRAP

RIPRAP

RIPRAP

WESTBOUND IH 90/94

WESTBOUND IH 90/94

MATCH LINE STA 1006+00EB

1008EB

1010EB

1012EB

1014EB

1016EB

1018EB

1020EB

EASTBOUND IH 90/94

EASTBOUND IH 90/94

R/W

EXISTING R/W

SLOPE INTERCEPT

STA 1011+55EB
1-INLET 2X2 FT, TYPE V
3-12" CPCPE
2-ELBOW REQ'D
1-AEW FOR CPCS REQ'D

SENSITIVE AREA

MATCH LINE STA 1021+00EB

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 2	SHEET 81	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC2.DWG
LAYOUT NAME - 03

PLOT DATE : 10/28/2021 7:15 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1021+00EB

SENSITIVE AREA

EXISTING R/W

EXISTING PIPE TO REMAIN

SIGN

WESTBOUND IH 90/94

1022EB

1024EB

1026EB

1028EB

1030EB

1032EB

1034EB

EASTBOUND IH 90/94

END PROJECT
STA 1030+01.05EB
MATCH EXISTING
SAW CUT REQ'D

STA 1023+78EB
1-REMOVING ENDWALL
1-48" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D
INV(I) = 854.39'
INV(E) = 854.39'

SLOPE INTERCEPT

EXISTING R/W

SIGN

MATCH LINE STA 1036+00EB

N

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

STH 82

SIGN

RIPRAP

N

END CONSTRUCTION
STA 992+00A

SLOPE INTERCEPT

R/W

EXISTING R/W

988A

990A

992A

994A

996A

998A

IH 90/94 WB OFF-RAMP

WESTBOUND IH 90/94

1000EB

998EB

996EB

994EB

992EB

990EB

988EB

EASTBOUND IH 90/94

996D

994D

992D

EXISTING R/W

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 2	SHEET 82	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC2.DWG
LAYOUT NAME - 04

PLOT DATE : 10/28/2021 7:16 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

N

BEGIN CONSTRUCTION
STA 976+00B

STA 980+00B
1-24" SSPRC CL IV
1-INLET MEDIAN 1 GRATE, TYPE MS
1-RC AEW REQ'D

R/W

EXISTING R/W

IH 90/94 WB ON-RAMP

972B

974B

976B

978B

980B

984B

WESTBOUND IH 90/94

972EB

974EB

976EB

EASTBOUND IH 90/94

972C

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

N

128WB82
128EB82
130WB82
130EB82
132WB82
132EB82
134WB82
134EB82
136WB82
136EB82
138WB82
138EB82
140WB82
140EB82
142WB82
142EB82
148WB82
148EB82

BEGIN CONSTRUCTION
STA 131+84.35EB82
MATCH EXISTING
SAW CUT REQ'D

EXISTING R/W

STH 82

SLOPE INTERCEPT

IH 90/94 EB OFF-RAMP

IH 90/94 EB ON-RAMP

WETLANDS TYPE RPE

R/W

EXISTING R/W

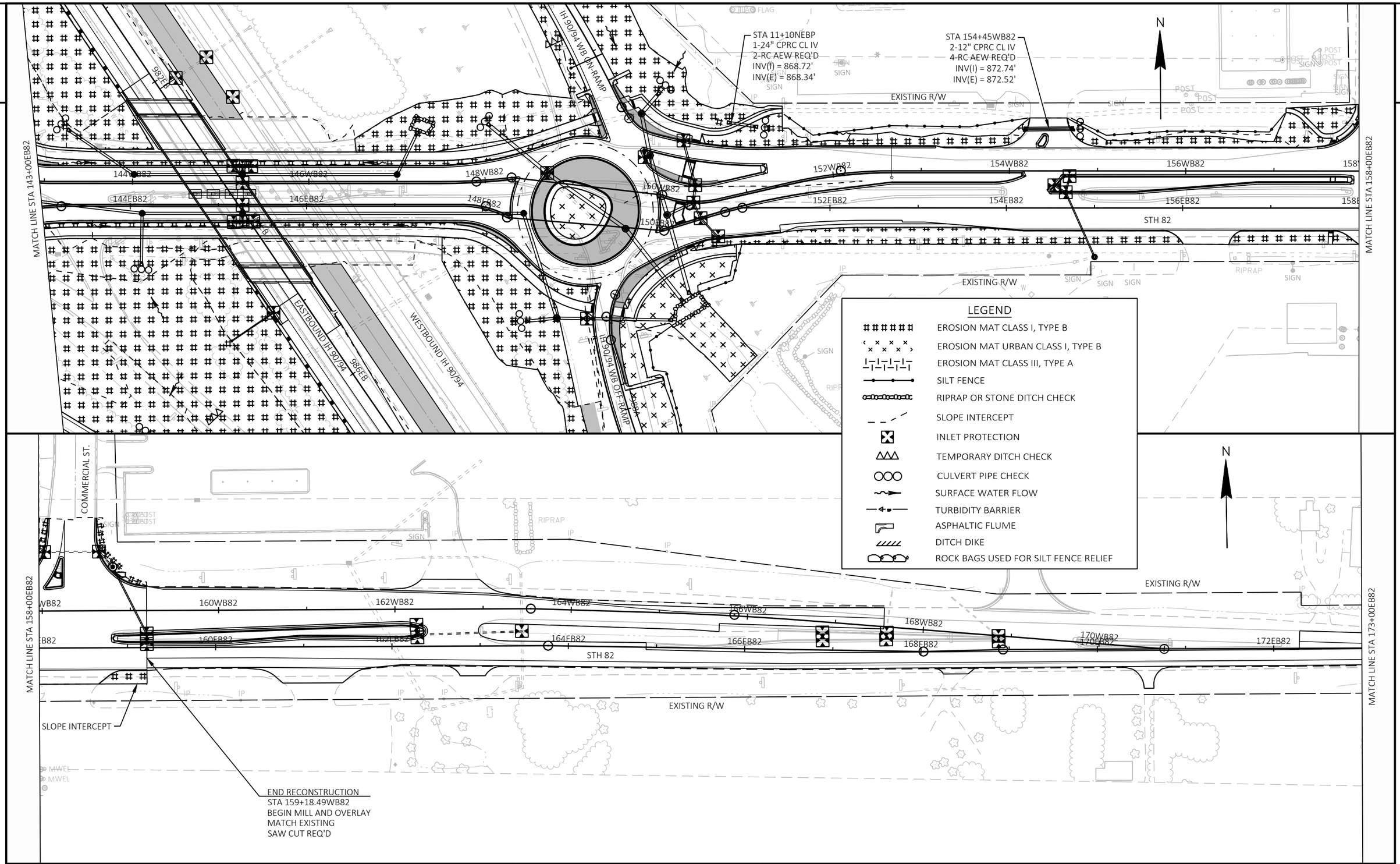
SIGN
POST
MH
IP
JP
TMC FLAG

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 2	SHEET 83	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC2.DWG
LAYOUT NAME - 05

PLOT DATE : 10/28/2021 7:17 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



LEGEND

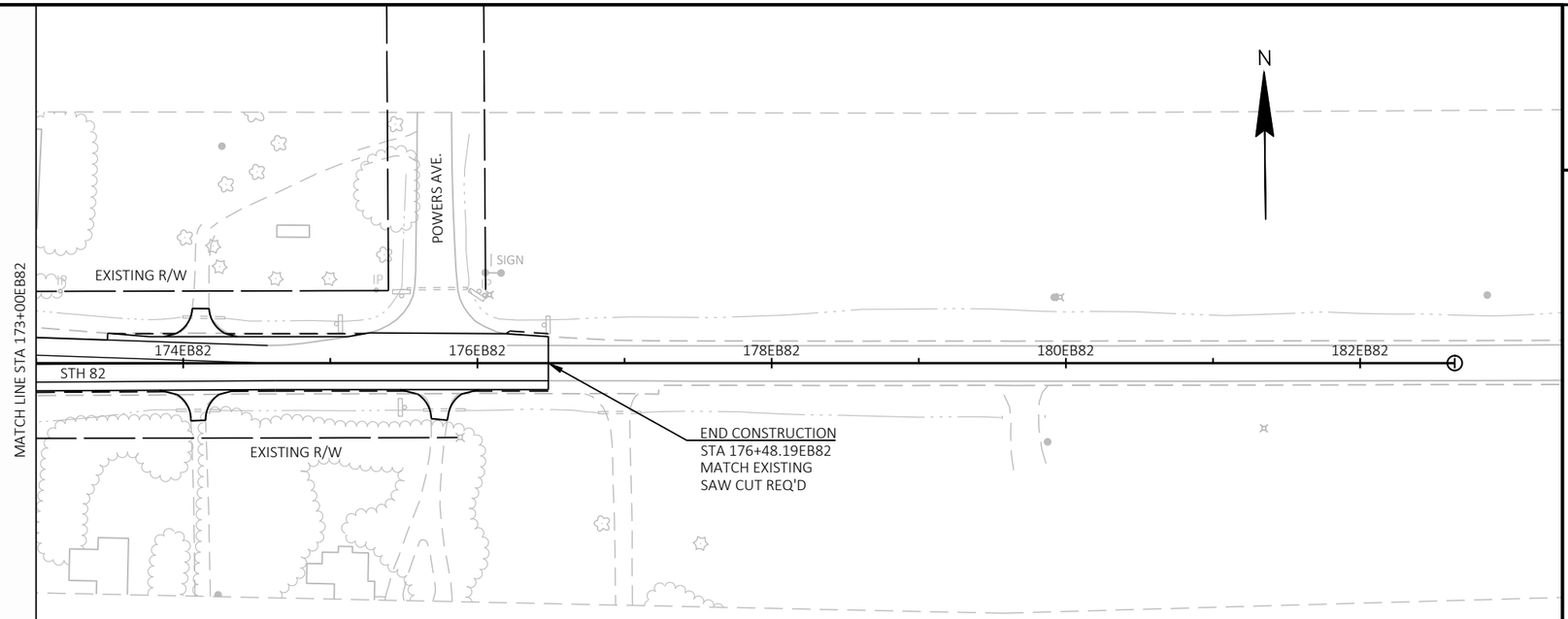
- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 2	SHEET 84	E

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 2	SHEET 85	E

2

BEGIN CONSTRUCTION
STA 947+72.52WBT
MATCH EXISTING
SAW CUT REQ'D

EXISTING R/W

SLOPE INTERCEPT

STA 950+09WB
1-REMOVING ENDWALL
1-36" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D
INV(I) = 882.53'
INV(E) = 882.44'

STA 951+34WB
1-INLET 2X2 FT, TYPE V
3-12" CPCPE
2-ELBOW REQ'D
1-AEW FOR CPCS REQ'D

STA 954+12WB
1-REMOVING ENDWALL
1-30" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D
INV(I) = 883.96'
INV(E) = 882.44'

R/W

CTH G

942'WBT' 944'WBT' 946'WBT' 948'WBT' 950'WBT' 952'WBT' 954'WBT'

WESTBOUND IH 90/94

EASTBOUND IH 90/94

942EB 944EB 946EB 948EB 950EB 952EB 954EB

PI: 945+61.10'WBT'
PC: 947+72.52'WBT'
PRC: 948+93.13'WBT'
PT: 950+46.35'WBT'
PC: 954+37.12'WBT'

SIGN

MATCH LINE
STA 955+75EB

EXISTING PIPE TO REMAIN

EXISTING R/W

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

END CONSTRUCTION
STA 959+43.17WBT
MATCH EXISTING
SAW CUT REQ'D

SLOPE INTERCEPT

EXISTING R/W

WESTBOUND IH 90/94

956'WBT' 958'WBT' 960'WBT' 962'WBT' 964'WBT' 966'WBT' 968'WBT' 970'WBT'

MATCH LINE
STA 955+75EB

PRC: 955+90.61'WBT'
PT: 957+10.95'WBT'
PC: 957+40.97'WBT'

956EB 958EB 960EB 962EB 964EB 966EB 968EB 970EB

EASTBOUND IH 90/94

966C 968C IH 90/94 EB OFF-RAMP 970C

EXISTING PIPE TO REMAIN

SIGN

EXISTING R/W

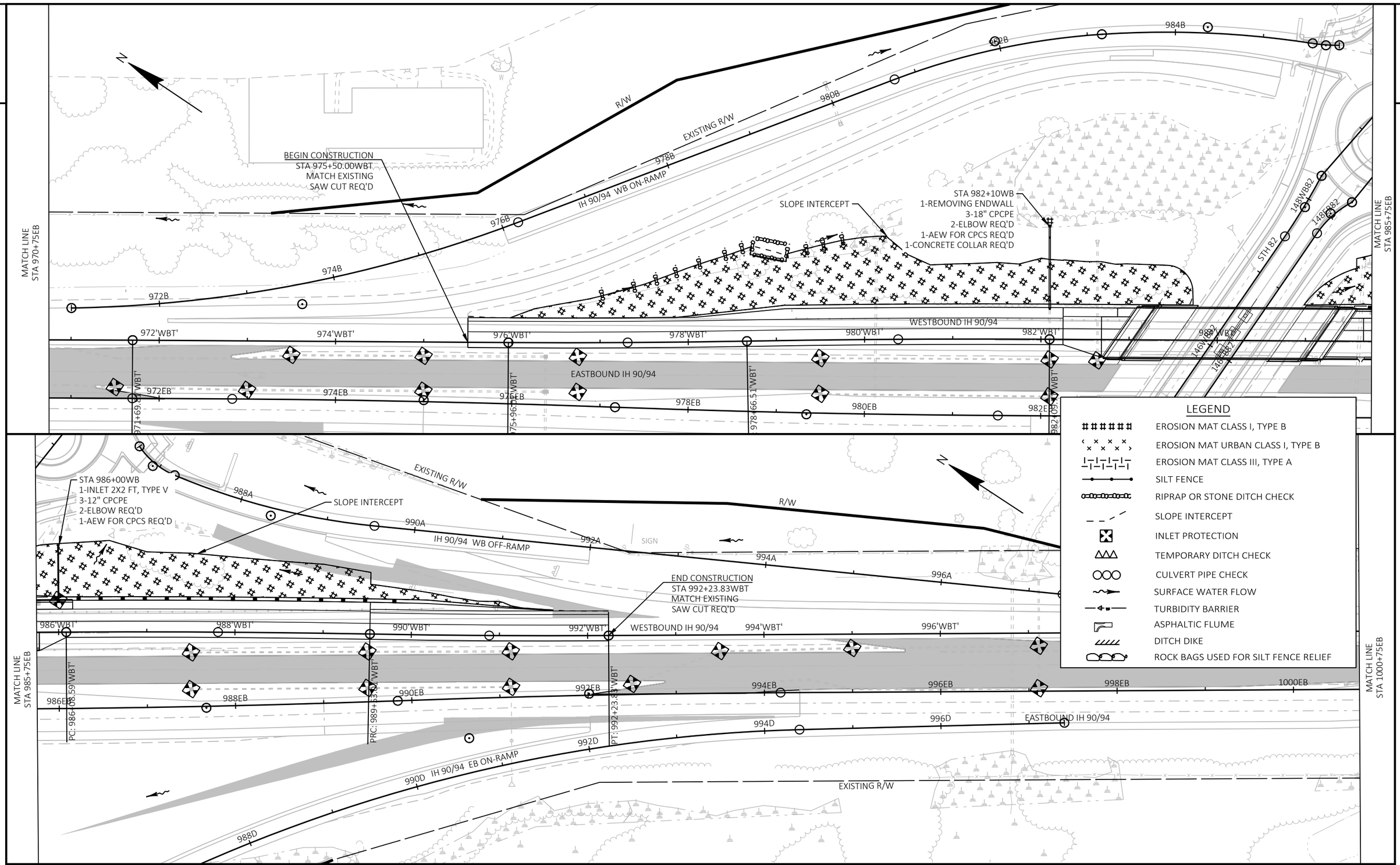
MATCH LINE
STA 970+75EB

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 3A	SHEET 86	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC3A.DWG
LAYOUT NAME - 01

PLOT DATE : 10/28/2021 7:19 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



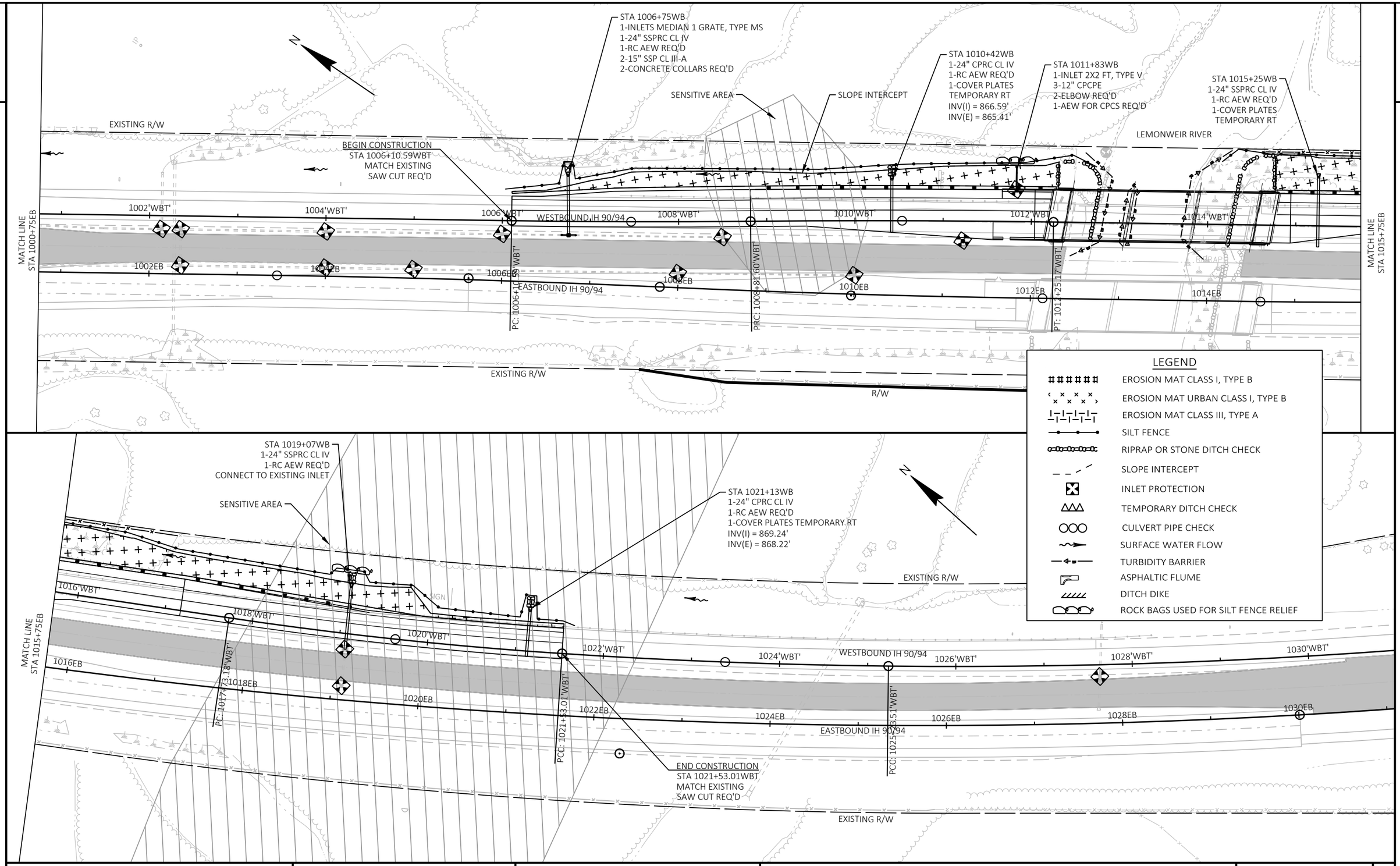
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 3A	SHEET 87	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC3A.DWG
LAYOUT NAME - 02

PLOT DATE : 10/28/2021 7:20 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 3A	SHEET 88	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC3A.DWG
LAYOUT NAME - 03

PLOT DATE : 10/28/2021 7:21 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

BEGIN PROJECT
STA 944+01.89WB
MATCH EXISTING
SAW CUT REQ'D

SLOPE INTERCEPT

EXISTING R/W

CTH G

R/W

942WB 944WB 946WB 948WB 950WB 952WB 954WB

WESTBOUND IH 90/94

EASTBOUND IH 90/94

942EB 944EB 946EB 948EB 950EB 952EB 954EB

SIGN

EXISTING PIPE TO REMAIN

EXISTING R/W

MATCH LINE
STA 955+75EB

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

STA 962+37WB
1-REMOVING ENDWALL
1-30" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D
INV(I) = 896.85'
INV(E) = 896.77'

EXISTING R/W

SLOPE INTERCEPT

WESTBOUND IH 90/94

956WB 958WB 960WB 962WB 964WB 966WB 968WB 970WB

956EB 958EB 960EB 962EB 964EB 966EB 968EB 970EB

EASTBOUND IH 90/94

966C 968C IH 90/94 EB OFF-RAMP 970C

EXISTING PIPE TO REMAIN

SIGN

EXISTING R/W

MATCH LINE
STA 955+75EB

MATCH LINE
STA 970+75EB

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGES 3B & 3C	SHEET 89	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC3BC.DWG
LAYOUT NAME - 01

PLOT DATE : 10/28/2021 7:22 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE
STA 970+75EB

MATCH LINE
STA 985+75EB

N

R/W

SLOPE INTERCEPT

IH 90/94 WB ON-RAMP

SUPPLEMENT RIPRAP DITCH CONSTRUCTED IN STAGE 3A

STH 82

148WB82

148EB82

WESTBOUND IH 90/94

EASTBOUND IH 90/94

972WB 974WB 976WB 978WB 980WB 982WB

972EB 974EB 976EB 978EB 980EB 982EB

970B 972B 974B 976B 978B 980B 982B 984B

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

STA 993+50A
1-18" SSPRC CL III
1-RC AEW REQ'D
1-INLETS MEDIAN 2 GRATE, TYPE MS

SLOPE INTERCEPT

EXISTING R/W

R/W

IH 90/94 WB OFF-RAMP

IH 90/94 EB ON-RAMP

EXISTING R/W

WESTBOUND IH 90/94

EASTBOUND IH 90/94

986WB 988WB 990WB 992WB 994WB 996WB 998WB 1000WB

986EB 988EB 990EB 992EB 994EB 996EB 998EB 1000EB

988A 990A 992A 994A 996A 998A

988D 990D 992D 994D 996D

STA 996+79A
1-REMOVING ENDWALL
2-30" SSPRC CL III
1-MANHOLES 5-FT DIAMETER
1-MANHOLES COVERS TYPE J
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D

STA 999+25WB
1-24" CPRC CL IV
1-RC AEW REQ'D
1-COVER PLATES TEMPORARY RT
INV(I) = 863.78'
INV(E) = 863.49'

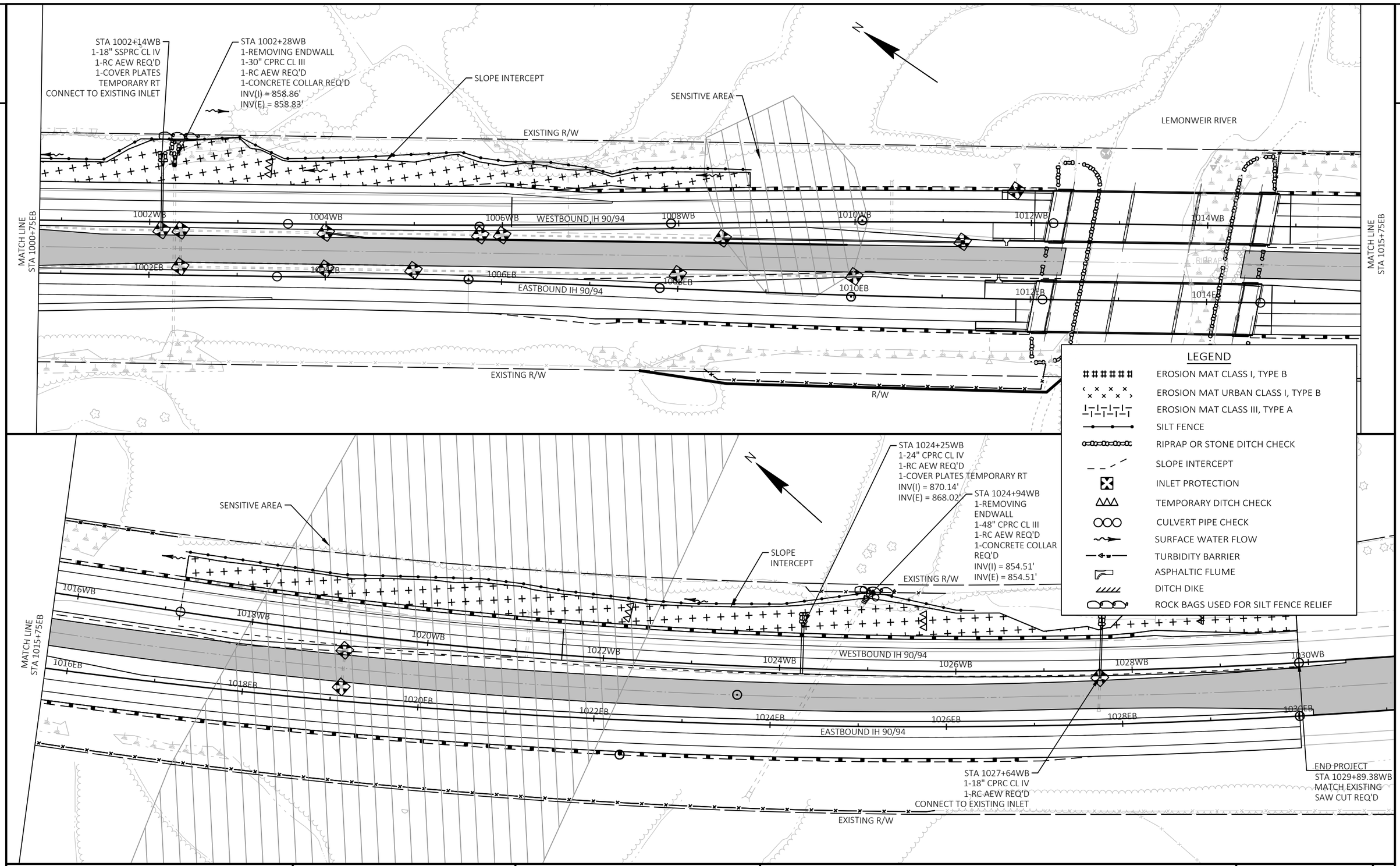
MATCH LINE
STA 985+75EB

MATCH LINE
STA 1000+75EB

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGES 3B & 3C	SHEET 90	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC3BC.DWG
LAYOUT NAME - 02

PLOT DATE : 10/28/2021 7:23 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGES 3B & 3C	SHEET 91	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC3BC.DWG
LAYOUT NAME - 03

PLOT DATE : 10/28/2021 7:23 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

IH 90/94 EB OFF-RAMP

980C

EXISTING R/W

IH 90/94 EB

982EB

987WB IH 90/94 WB

984P

IH 90/94 WB OFF-RAMP

FLAG

SIGN

EXISTING R/W

138WB82

138EB82

140WB82

140EB82

142WB82

142EB82

144WB82

144EB82

146WB82

146EB82

985WB

148WB82

STH 82

148EB82

150WB82

150EB82

152WB82

152EB82

MATCH LINE
STA 153+00EB82

982D

IH 90/94 EB ON-RAMP

R/W

984EB

985EB

986WB

986EB

IH 90/94 WB OFF-RAMP

SIGN

RIPRAP

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

COMMERCIAL ST

N

SIGN

POST

RIPRAP

EXISTING R/W

154WB82

156WB82

158WB82

160WB82

162WB82

164WB82

MATCH LINE
STA 153+00EB82

154EB82

156EB82

158EB82

160EB82

162EB82

STH 82

164EB82

MWEL

WELL

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGES 3B & 3C	SHEET 92	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC3BC.DWG
LAYOUT NAME - 04

PLOT DATE : 10/28/2021 7:24 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

EXISTING R/W

BEGIN CONSTRUCTION
STA 935+00.00EB
MATCH EXISTING
SAW CUT REQ'D

928WB 930WB 932WB 934WB WESTBOUND IH 90/94 936WB 938WB 940WB 942WB

928EB 930EB 932EB 934EB 936EB 938EB 940EB 942EB

EASTBOUND IH 90/94

MATCH LINE STA 943+00EB

SIGN

SIGN

EXISTING R/W

STA 938+13EB
1-18" CPRC CL IV
1-AEW FOR CP SLOPED SIDE DRAINS STEEL 6 TO 1
1-CONCRETE COLLAR REQ'D
INV(I) = 880.66'
INV(E) = 880.18'

MH

INL

W

INL INL INL INL INL

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

EXISTING R/W

R/W

MATCH LINE STA 943+00EB

944WB 946WB WESTBOUND IH 90/94 948WB 950WB 952WB 954WB 956WB

944EB 946EB 948EB 950EB 952EB 954EB 956EB

EASTBOUND IH 90/94

SIGN

STA 945+13EB
1-REMOVING SMALL PIPE CULVERTS
1-AEW FOR CP SLOPED SIDE DRAINS STEEL 6 TO 1
1-CONCRETE COLLAR REQ'D

STA 947+52EB
1-24" SSPRC CL IV
1-AEW FOR CP SLOPED
SIDE DRAINS STEEL 6 TO 1

STA 953+12EB
1-18" SSPRC CL IV
1-INLETS MEDIAN 2 GRATE, TYPE MS
1-CONCRETE COLLAR REQ'D
1-DITCH DIKE REQ'D

EXISTING R/W

CTH G

22G

MATCH LINE STA 958+00EB

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 4	SHEET 93	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC4.DWG
LAYOUT NAME - 01
PLOT DATE : 10/28/2021 7:25 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

EXISTING R/W

WESTBOUND IH 90/94

960WB 962WB 964WB 966WB 968WB 970WB 972WB

IH 90/94 WB ON-RAMP 972B

960EB 962EB 964EB 966EB 968EB 970EB 972EB

EASTBOUND IH 90/94

MATCH LINE STA 958+00EB

MATCH LINE STA 973+00EB

STA 958+44EB
1-24" SSCRC CL IV
1-INLETS MEDIAN 2 GRATE, TYPE MS
CONNECT TO EXISTING INLET

STA 963+01EB
1-18" SSPRC CL IV
1-INLETS MEDIAN 2 GRATE, TYPE MS
1-REMOVING INLETS
1-CONCRETE COLLAR REQ'D

966C 968C 970C IH 90/94 EB OFF-RAMP 972C

SIGN

SIGN POST

EXISTING R/W

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FENCE RELIEF

R/W

IH 90/94 WB ON-RAMP 976B 974B

WESTBOUND IH 90/94

974WB 976WB 978WB 980WB 982WB 986WB

974EB 976EB 978EB 980EB 982EB 984EB 986EB

EASTBOUND IH 90/94

MATCH LINE STA 973+00EB

MATCH LINE STA 988+00EB

STA 976+38EB
1-18" SSPRC CL IV
1-INLETS MEDIAN 1 GRATE, TYPE MS
1-REMOVING INLETS
1-CONCRETE COLLAR REQ'D

STA 982+10WB
1-18" SSPRC CL IV
1-INLETS MEDIAN 2 GRATE, TYPE MS,
SINGLE SLOPED
1-DITCH DIKE REQ'D
1-REMOVING INLETS
1-CONCRETE COLLAR REQ'D

974C 976C IH 90/94 EB OFF-RAMP 978C 980C

EXISTING R/W

STH 82

146WB82 146EB82 144WB82 144EB82 148EB82

IH 90/94 EB ON-RAMP

986D

2

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 4	SHEET 94	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC4.DWG
LAYOUT NAME - 02

PLOT DATE : 10/28/2021 7:26 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

MATCH LINE STA 988+00EB

MATCH LINE STA 1003+00EB

988A
990A
992A
994A
996A
998A
R/W
IH 90/94 WB OFF-RAMP
WESTBOUND IH 90/94
990WB
992WB
994WB
996WB
998WB
1000WB
1002WB
990EB
992EB
994EB
996EB
998EB
1000EB
1002EB
EASTBOUND IH 90/94
994D
996D
992D
990D
988D
IH 90/94 EB ON-RAMP
R/W
EXISTING R/W

STA 991+13EB
1-18" AEW FOR CP SLOPED SIDE
DRAIN STEEL 6 TO 1 REQ'D

STA 999+25WB
1-24" CPRC CL IV
1-AEW FOR CP SLOPED
SIDE DRAINS STEEL 6 TO 1
INV(I) = 863.89'
INV(E) = 863.78'

STA 1002+14WB
1-REMOVING INLETS
1-18" SSPRC CL IV
1-AEW FOR CP SLOPED SIDES
DRAIN STEEL 6 TO 1 REQ'D
1-CONCRETE COLLAR REQ'D

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE A
- SILT FENCE
- RIPRAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- ASPHALTIC FLUME
- DITCH DIKE
- ROCK BAGS USED FOR SILT FERCE RELIEF

STA 1005+75WB
1-REMOVING INLETS
1-24" SSPRC CL IV
1-INLETS MEDIAN 1 GRATE, TYPE MS
1-CONCRETE COLLAR REQ'D

STA 1010+42WB
1-24" CPRC CL IV
1-AEW FOR CP SLOPED
SIDE DRAINS STEEL 6 TO 1
INV(I) = 866.85'
INV(E) = 866.59'

STA 1015+25WB - 1015+94WB
1-24" SSPRC CL IV
1-18" SSPRC CL IV
1-INLETS MEDIAN 2 GRATE, TYPE MS
1-INLETS MEDIAN 1 GRATE, TYPE MS

SENSITIVE AREA
LEMONWEIR RIVER
EXISTING R/W
WESTBOUND IH 90/94
1004WB
1006WB
1008WB
1010WB
1012WB
1014WB
1016WB
1004EB
1006EB
1008EB
1010EB
1012EB
1014EB
1016EB
EASTBOUND IH 90/94
EXISTING R/W
R/W
SENSITIVE AREA

MATCH LINE STA 1003+00EB

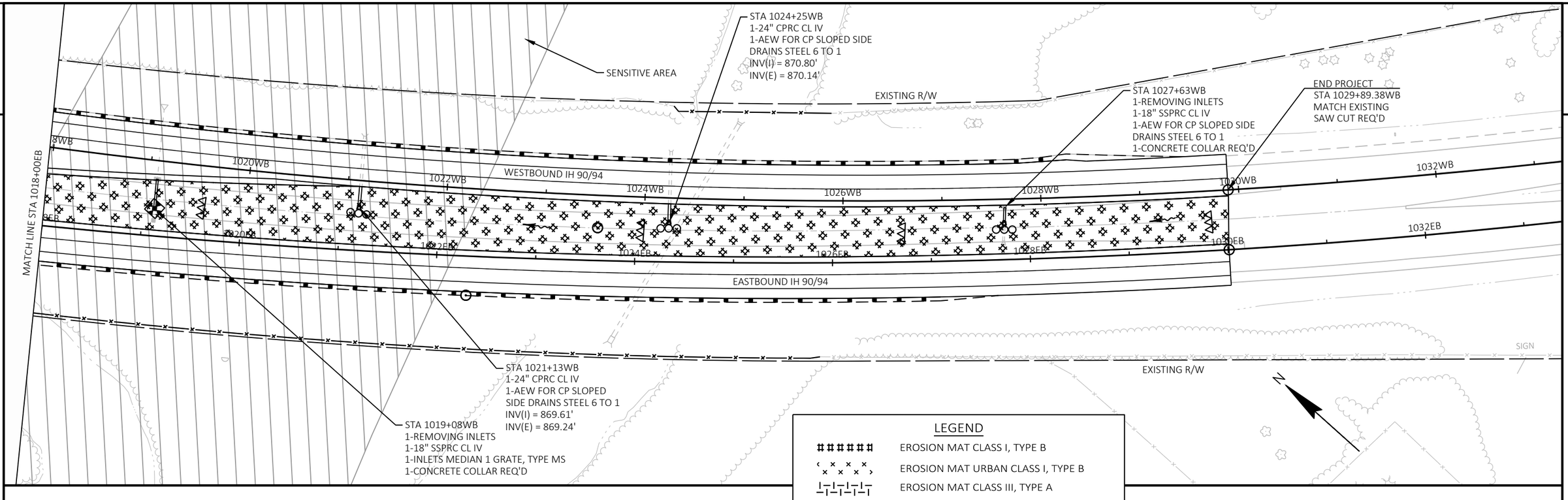
MATCH LINE STA 1018+00EB

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 4	SHEET 95	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\022001-EC4.DWG
LAYOUT NAME - 03

PLOT DATE : 10/28/2021 7:27 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EROSION CONTROL STAGE 4	SHEET 96	E

2

STA 135+50.00'WB82', 63.4' LT
APRON ENDWALLS FOR CPRC 12-INCH (14.0)

WETLANDS (TYP.)

SI (TYP.)

EXISTING R/W

N

STA 140+25.03'WB82', 20.7' LT
INLETS 2x3-H-S (6.3)

STA 140+21.51'WB82', 1.5' RT
INLETS 2x3-H-S (6.2)

STA 135+50.00'WB82', 1.5' RT
INLETS 2x3-H (14.1)

135WB82 136WB82 137WB82 138WB82 139WB82 140WB82 141WB82

WESTBOUND STH 82

CITY OF MAUSTON
(WATER)

STA 138+72.49'WB82', 1.5' RT
INLETS 2x3-H (15.3)

STA 140+24.09'EB82', 1.5' LT
INLETS 2x3-H-S (6.1)

135EB82 136EB82 137EB82 138EB82 139EB82 140EB82

CAUTION

STA 135+50.59'EB82', 1.5' LT
INLETS 2x3-H (14.2)

STA 140+25.64'EB82', 17.9' RT
MANHOLES 6-HM-S (6.0)

EASTBOUND STH 82

STA 138+75.00'EB82', 1.5' LT
INLETS 2x3-H (15.2)

STA 10+34.78'SWBP', 22.6' RT
INLETS 2x3-H (15.1)

ALLIANT ENERGY (OVERHEAD)

STRUCTURE S-29-0011

SOUTHWEST BYPASS LANE

12SWBP

CAUTION

STA 135+49.79'EB82', 33.5' RT
INLETS 2x3-H (14.3)

STA 10+38.24'SWBP', 65.4' RT
APRON ENDWALLS FOR CPRC 12-INCH (15.0)

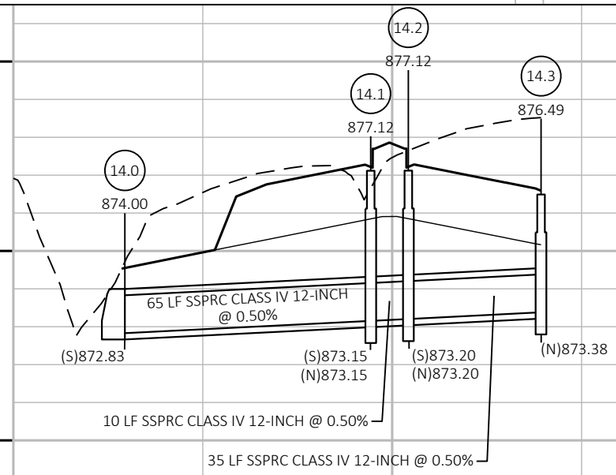
ADJUSTING SANITARY
MANHOLE COVERS

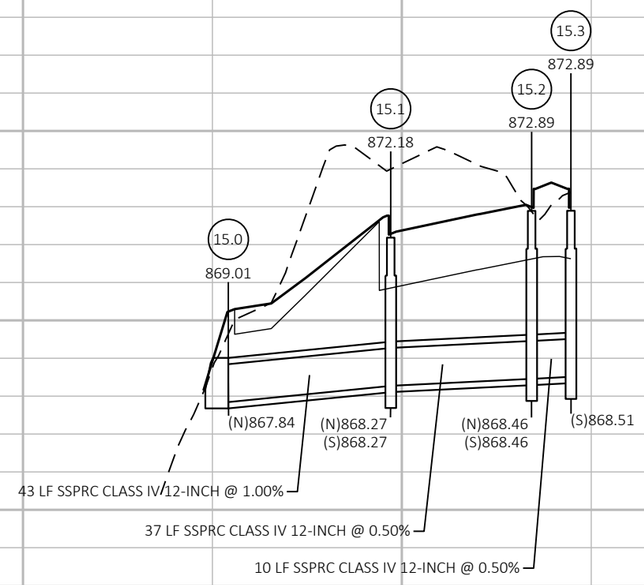
STA 12+15.90'SWBP', 17.5' RT
INLETS 2x3-H-S (6.4)

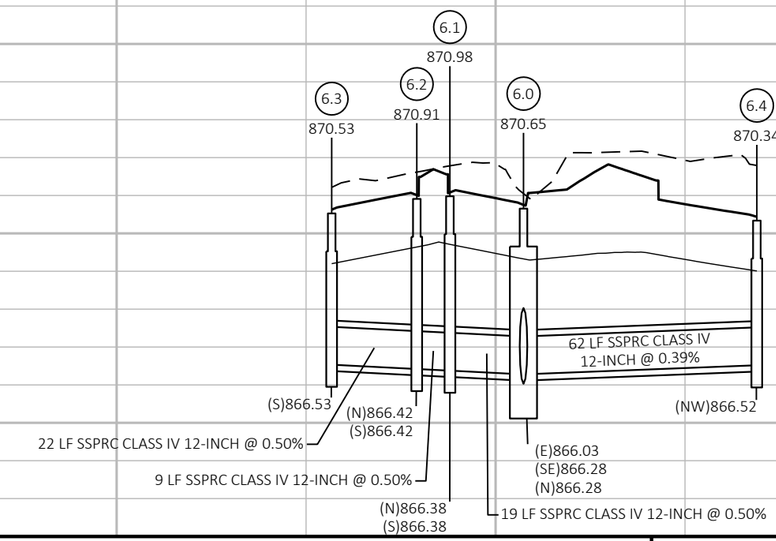
MC EVOY ST

ALLIANT ENERGY (GAS)

CITY OF MAUSTON
(SANITARY)

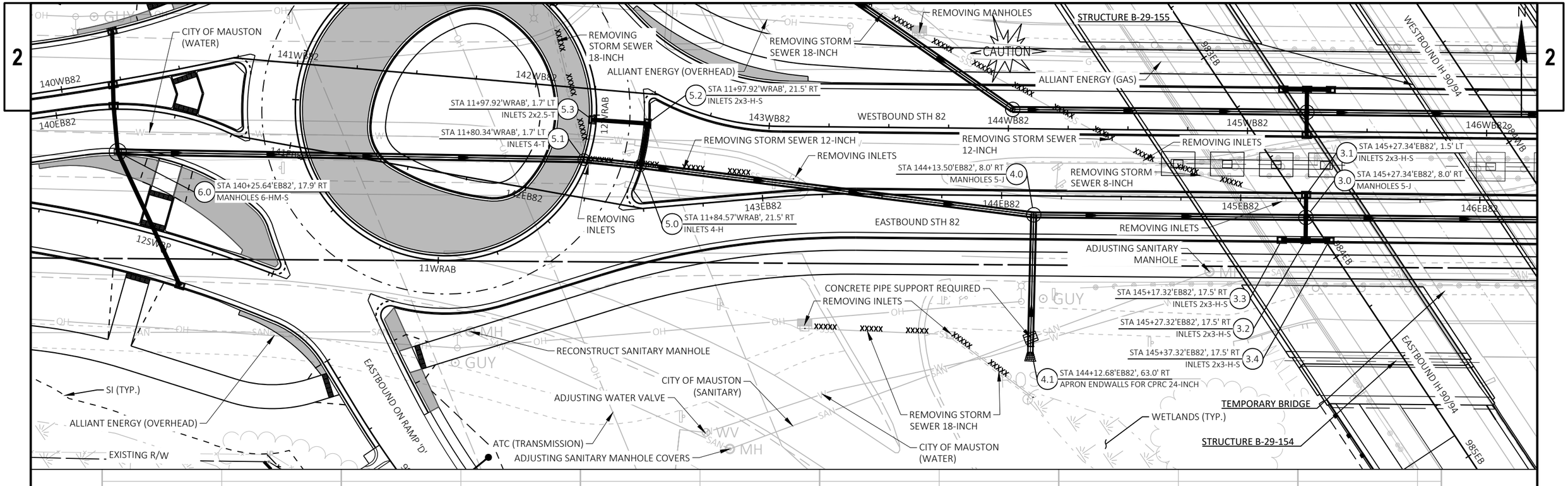


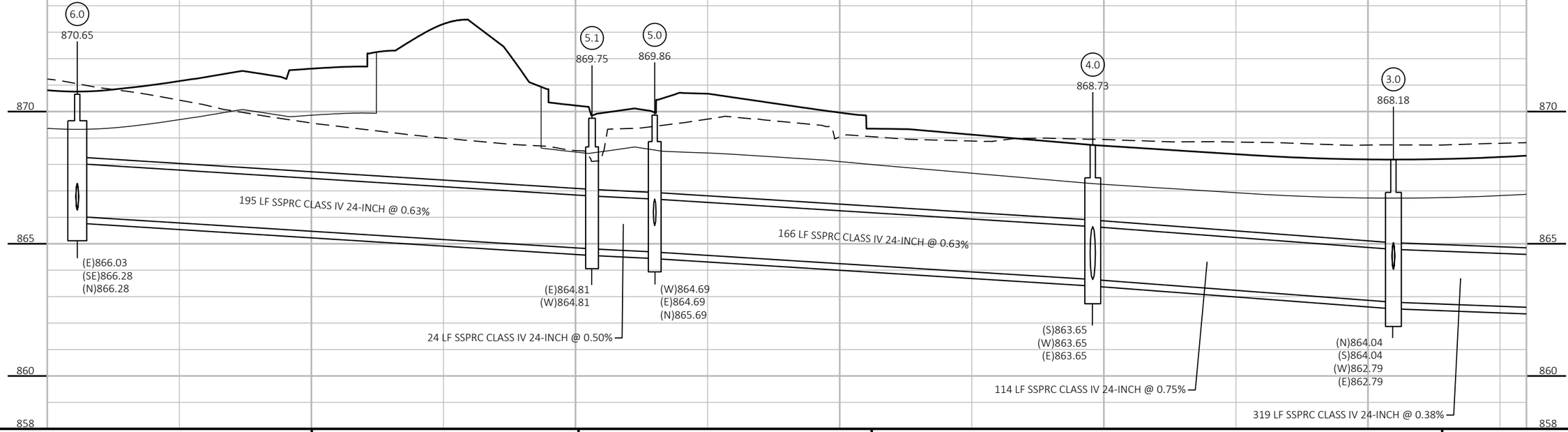




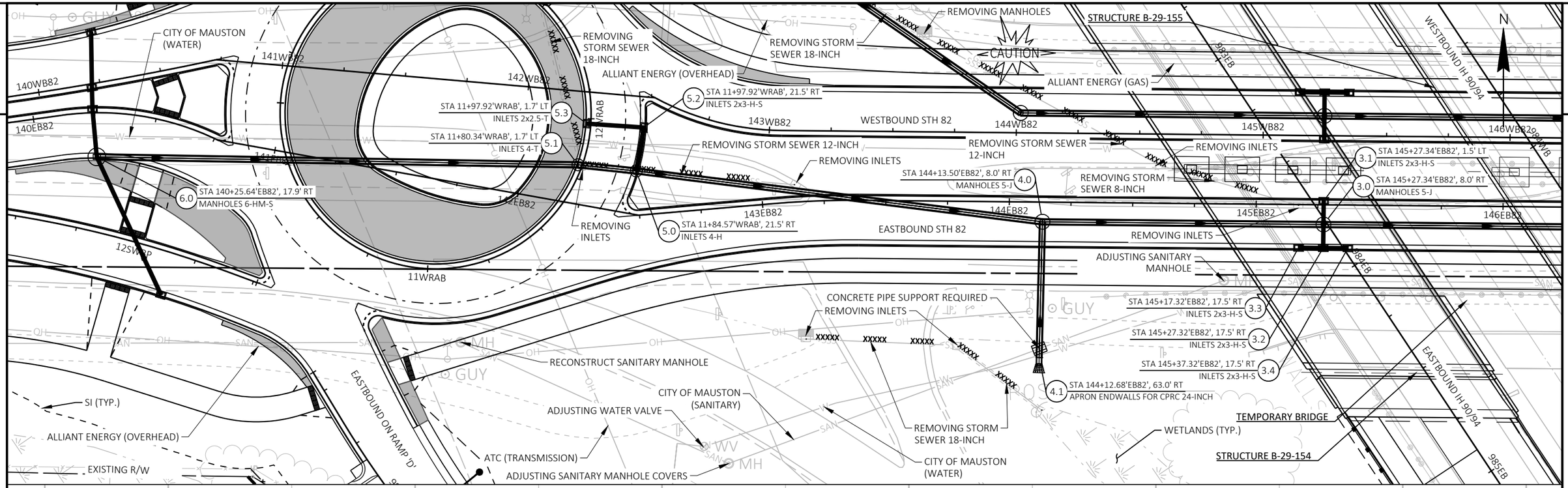
880 875 870 865 862

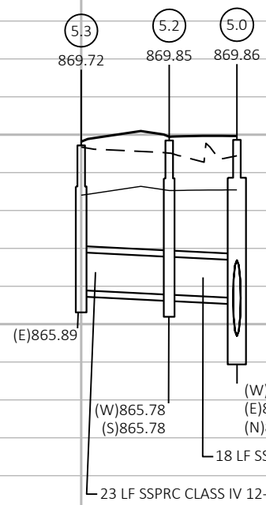
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 97	E

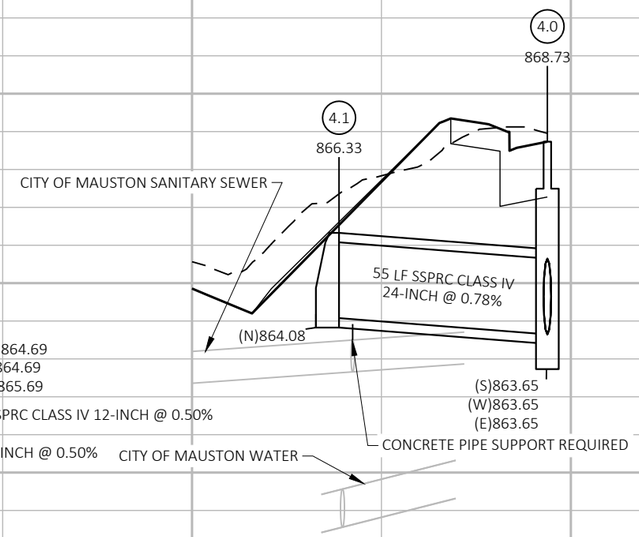


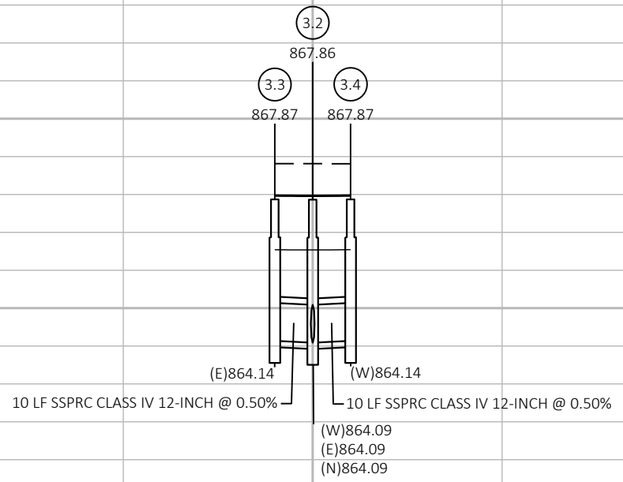


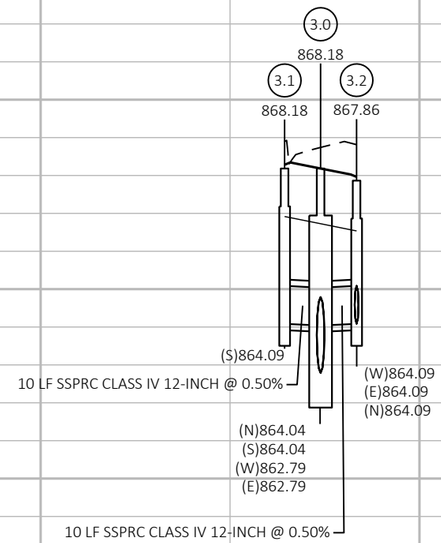
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 98	E











PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 99	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022501-SS-STH 82.DWG
LAYOUT NAME - 022503-ss
PLOT DATE : 12/17/2021 12:44 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

2.1 STA 147+00.6 ADJUSTING SANITARY MANHOLE MANHOLES 5

STA 12+49.61'ERAB', 7.0' RT 1.2 MANHOLES 5-J

146EB82 147EB82 148EB82 149EB82 150EB82 151EB82 151WB82

EASTBOUND STH 82

WESTBOUND STH 82

REMOVING INLETS

REMOVING STORM SEWER 18-INCH

REMOVING STORM SEWER 12-INCH

AT&T (FIBER)

PIPE INSULATION REQUIRED (TYP.)

ALLIANT ENERGY (ELECTRIC)

CONCRETE PIPE SUPPORT REQUIRED (TYP.)

1-ABANDONING CULVERT PIPE (30" CMCP)

RECONSTRUCT SANITARY MANHOLE

STRUCTURE B-29-155

TEMPORARY BRIDGE

WISDOT

STRUCTURE B-29-154

REMOVING SMALL CULVERT PIPE (30" RCCP)

131ERAB

985WB 985EB 986WB

EASTBOUND IH 90/94 WESTBOUND IH 90/94

STA 986+97.53'A', 60.0' RT 1.1 MANHOLES 6-J

STA 986+99.93'A', 90.9' RT 1.3 APRON ENDWALLS FOR CPRC 24-INCH

STA 986+96.59'A', 25.5' RT 1.1A MANHOLES 5-J

87A WESTBOUND OFF RAMP 'A'

REMOVING SMALL CULVERT PIPE (30" RCCP)

STA 986+80.50'A', 66.5' LT 1.0 APRON ENDWALLS FOR CPRC 24-INCH

CITY OF MAUSTON (SANITARY)

CITY OF MAUSTON (WATER)

ADJUSTING WATER VALVES

ADJUSTING HYDRANT

ADJUSTING SANITARY MANHOLE

ALLIANT ENERGY (OVERHEAD)

WETLANDS (TYP.)

SI (TYP.)

EXISTING R/W

N

1.1A 870.96

CONSTRUCT STRUCTURE 1.1A TO APPROXIMATE ELEVATION OF 868.10 DURING STAGE 2B AND INSTALL TEMPORARY GRATE

1.2 870.00

1.1 868.66

1.0 863.27

1.3 863.65

1.1 868.66

CITY OF MAUSTON SANITARY SEWER

PIPE INSULATION REQUIRED

319 LF SSPRC CLASS IV 24-INCH @ 0.38%

124 LF SSPRCHE CLASS HE-III 19X30-INCH @ 0.20%

34 LF SSPRC CLASS IV 24-INCH @ 0.24%

93 LF SSPRC CLASS IV 24-INCH @ 0.24%

31 LF SSPRC CLASS IV 24-INCH @ 0.24%

(W)861.58
(S)861.58

(N)861.33
(E)861.33
(W)861.33

(W)861.25
(E)861.25

(W)861.02

(E)861.40

(N)861.33
(E)861.33
(W)861.33

CONCRETE PIPE SUPPORT REQUIRED

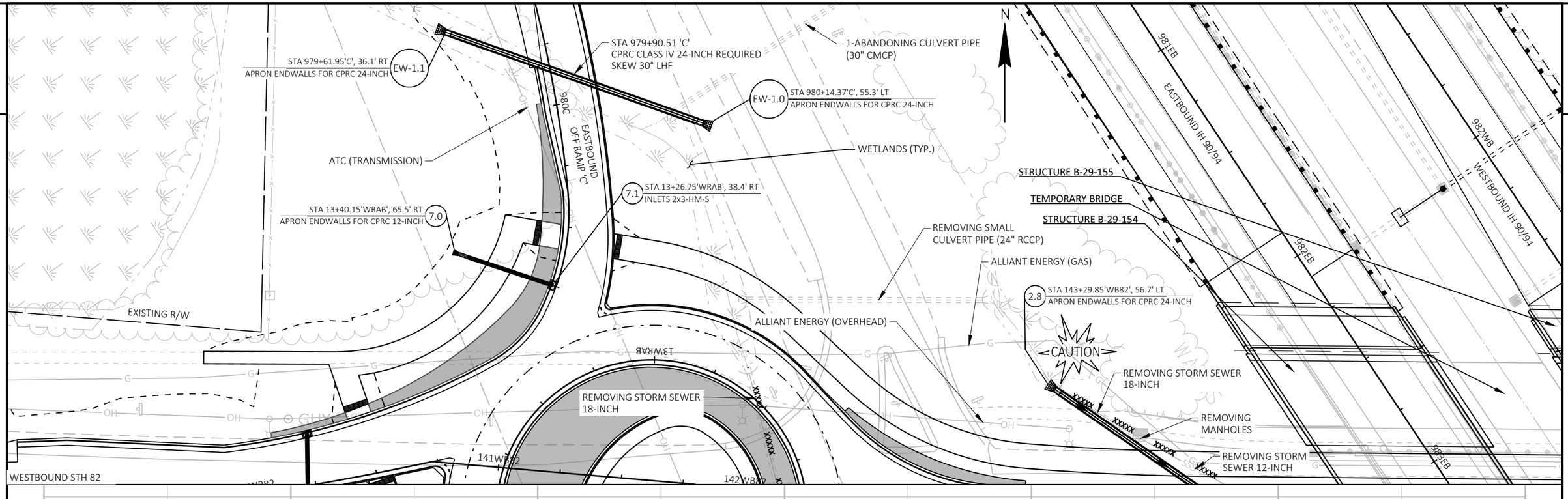
CITY OF MAUSTON WATER

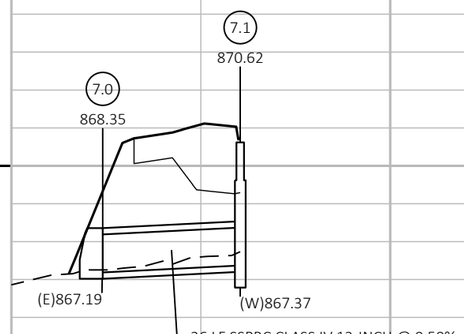
870
865
860
855

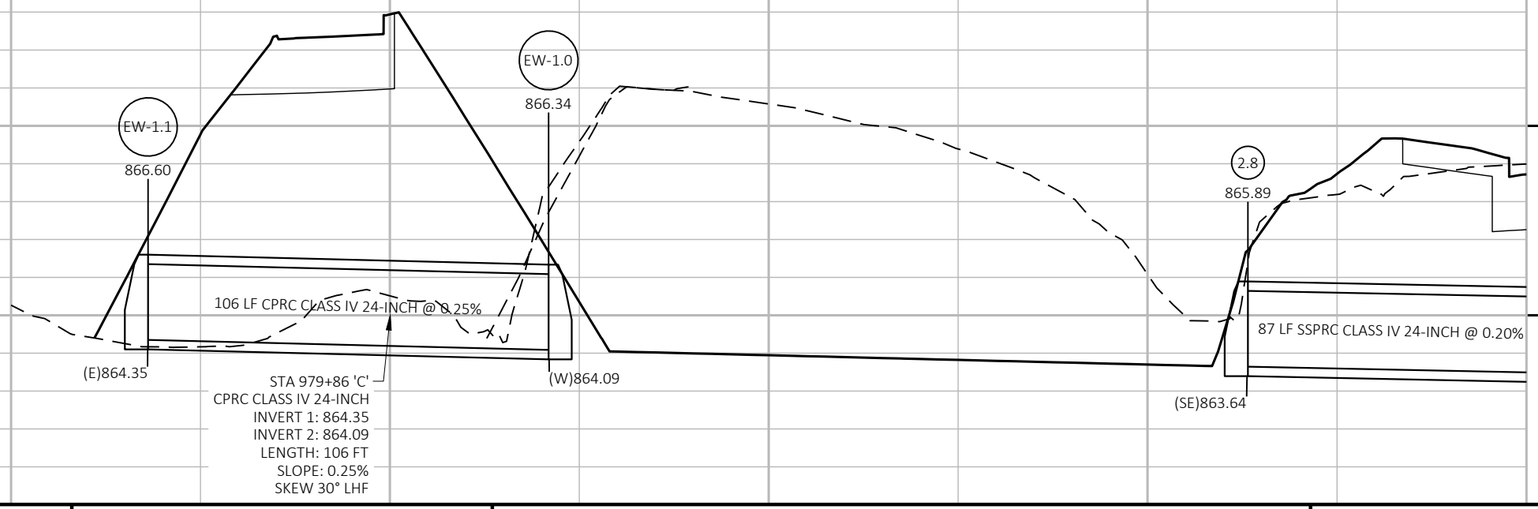
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 100	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022501-SS-STH 82.DWG
LAYOUT NAME - 022504-ss

PLOT DATE : 12/17/2021 12:45 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT







875
870
865
860

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 101	E

STRUCTURE B-29-154

TEMPORARY BRIDGE

STRUCTURE B-29-155

EASTBOUND IH 90/94

WESTBOUND IH 90/94

982EB

983WB

984WB

985EB

WESTBOUND ON RAMP 'B'

WETLANDS (TYP.)

SI (TYP.)

ALLIANT ENERGY (GAS)

ALLIANT ENERGY (OVERHEAD)

REMOVING SMALL CULVERT PIPE (30" RCCP)

B82', 56.7' LT
S FOR CPRC 24-INCH

REMOVING STORM SEWER 18-INCH

REMOVING STORM SEWER 12-INCH

REMOVING MANHOLES

REMOVING INLETS

REMOVING STORM SEWER 8-INCH

REMOVING SMALL CULVERT PIPE (30" RCCP)

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

STA 147+21.59'WB82', 52.7' LT
APRON ENDWALLS FOR CPRC 24-INCH (2.0)

STA 145+24.70'WB82', 17.5' LT
INLETS 2x3-H-S (2.3)

STA 145+34.69'WB82', 17.5' LT
INLETS 2x3-H-S (2.4)

STA 145+14.74'WB82', 17.5' LT
INLETS 2x3-H-S (2.5)

STA 145+24.74'WB82', 8.0' LT
MANHOLES 5-J (2.2)

STA 144+01.69'WB82', 8.0' LT
MANHOLES 5-J (2.7)

STA 145+24.74'WB82', 1.5' RT
INLETS 2x3-H-S (2.6)

STA 147+00.00'WB82', 8.0' LT
MANHOLES 5-J (2.1)

CAUTION

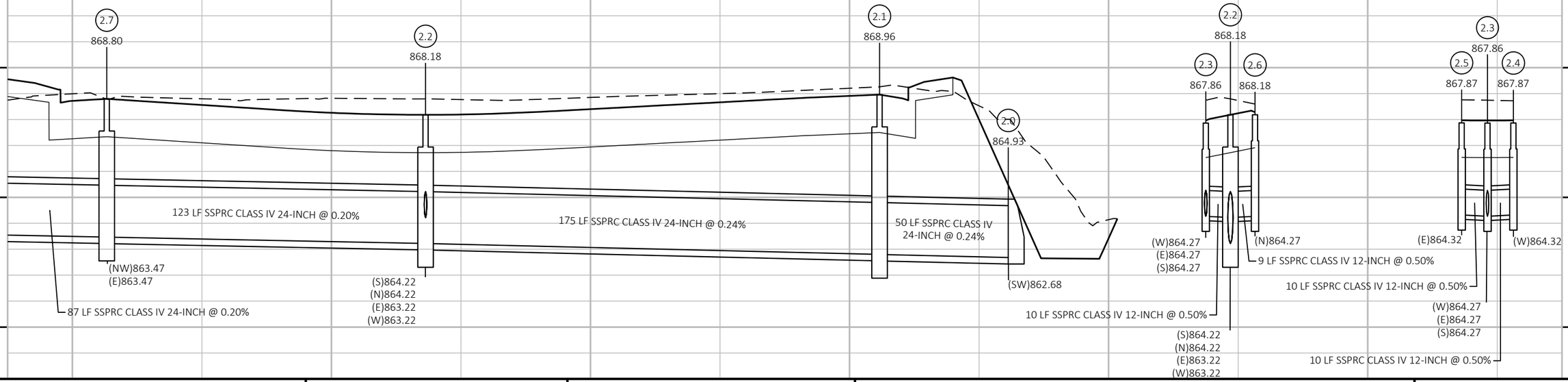
WESTBOUND STH 82

EASTBOUND STH 82

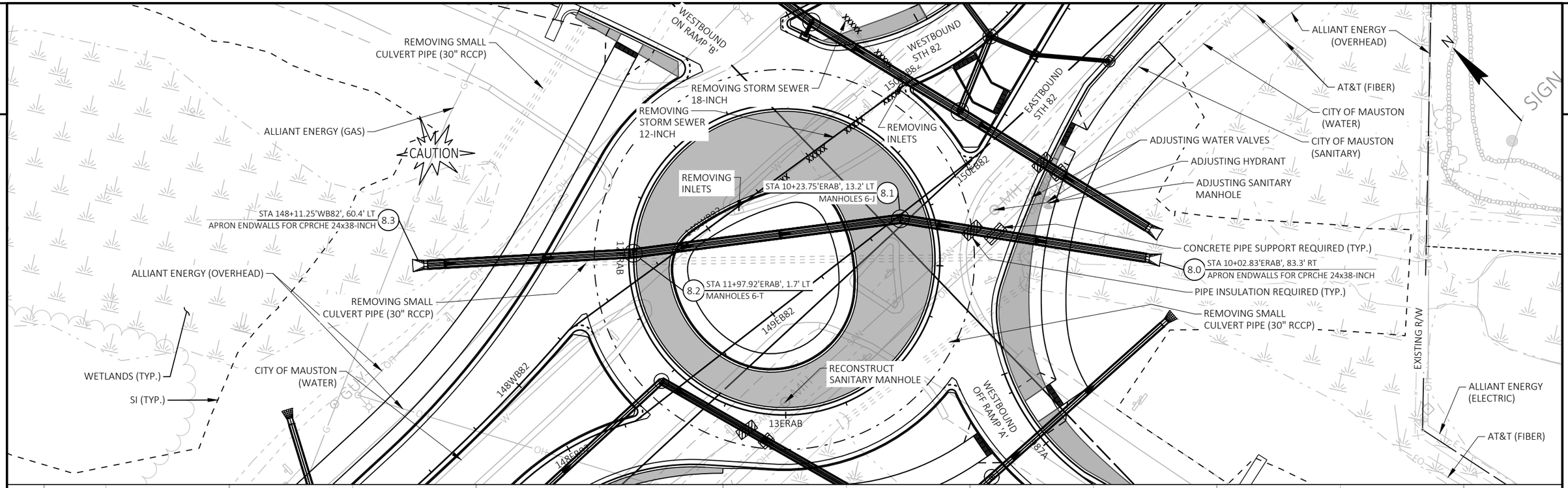
CITY OF MAUSTON (WATER)

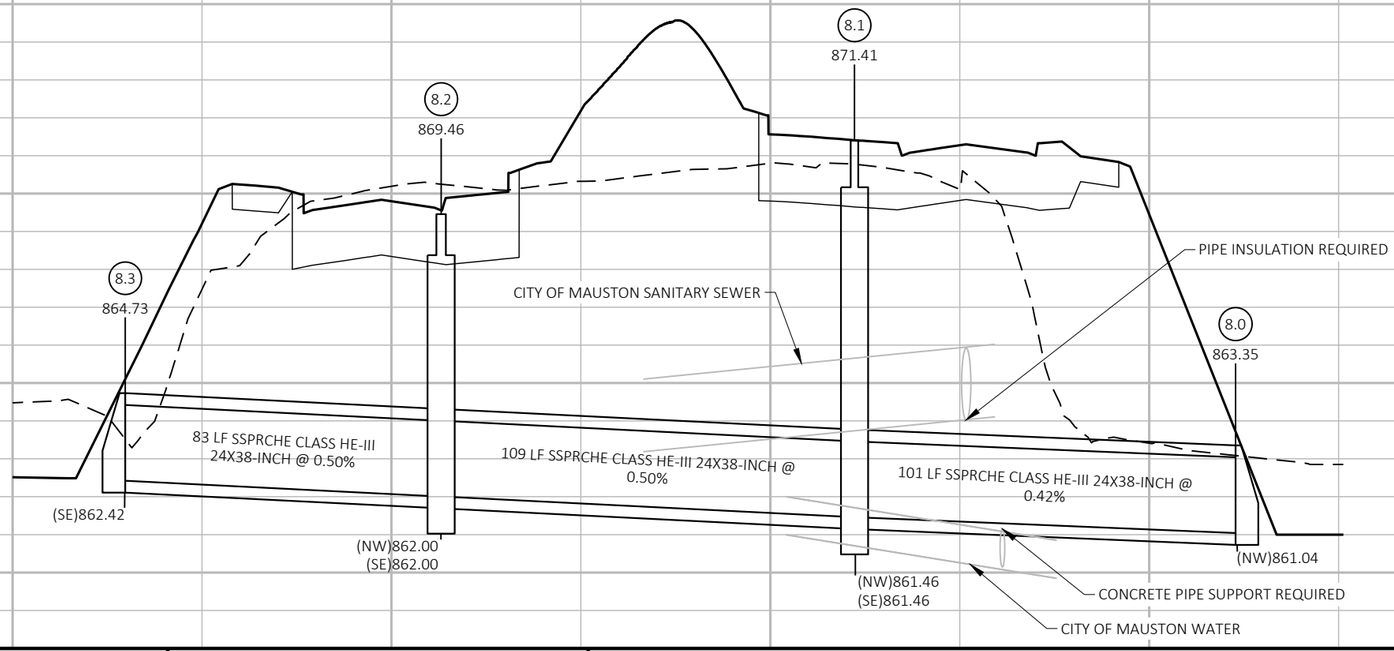
144WB82 145WB82 146WB82 147WB82 148WB82

144EB82 145EB82 146EB82 147EB82 148EB82



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 102	E





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 103	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022501-SS-STH 82.DWG
LAYOUT NAME - 022507-ss
PLOT DATE : 12/17/2021 12:45 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

ALLIANT ENERGY (OVERHEAD)
AT&T (FIBER)
SI (TYP.)
REMOVING STORM SEWER 18-INCH
EXISTING R/W
CAUTION
STA 985+82.40'B', 40.6' LT
APRON ENDWALLS FOR CPRCHE 24x38-INCH
9.4
STA 11+15.51'ERAB', 64.7' RT
MANHOLES 6-J
9.3
REMOVING SMALL CULVERT PIPE (30" RCCP)
PROPOSED R/W
ALLIANT ENERGY (GAS)
CITY OF MAUSTON (WATER)
985B
WESTBOUND ON RAMP 'B'
REMOVING SMALL CULVERT PIPE (30" RCCP)
NORTHEAST BYPASS LANE
11NEBP
8BWB1ST
WESTBOUND STH 82
151EB82
EASTBOUND STH 82
STA 150+38.31'WB82', 1.5' RT
MANHOLES 5-H-S
10.0
STA 10+46.65'ERAB', 29.9' RT
MANHOLES 6-J
9.1
STA 10+94.34'ERAB', 33.8' RT
MANHOLES 6-J
9.2
STA 10+95.68'ERAB', 27.8' RT
INLETS 2x3-HM
9.5
11ERAB
REMOVING INLETS
REMOVING STORM SEWER 12-INCH
ALLIANT ENERGY (OVERHEAD)
WETLANDS (TYP.)
CITY OF MAUSTON (WATER)
CITY OF MAUSTON (SANITARY)
PIPE INSULATION REQUIRED (TYP.)
CONCRETE PIPE SUPPORT REQUIRED (TYP.)
STA 150+14.74'EB82', 72.9' RT
APRON ENDWALLS FOR CPRCHE 24x38-INCH
9.0
ADJUSTING HYDRANT
ADJUSTING WATER VALVES
ADJUSTING SANITARY MANHOLE
REMOVING SMALL CULVERT PIPE (30" RCCP)
REMOVING SMALL CULVERT PIPE (30" RCCP)
988A
987A
WESTBOUND OFF RAMP 'A'
ALLIANT ENERGY (ELECTRIC)
EXISTING R/W
AT&T (FIBER)
FRONTIER (FIBER)
N

875
870
865
860
858

9.2
870.88
9.5
870.25
(NE)864.49
6 LF SSPRC CLASS IV 12-INCH @ 1.00%
(SW)864.43
(N)863.43
(S)863.43

9.4
867.09
9.3
870.26
9.2
870.88
9.1
871.80
(SW)864.77
27 LF SSPRCHE CLASS HE-III 24X38-INCH @ 2.51%
(NE)864.10
(S)864.10
(SW)864.43
(N)863.43
(S)863.43
48 LF SSPRCHE CLASS HE-III 24X38-INCH @ 1.39%
70 LF SSPRCHE CLASS HE-III 24X38-INCH @ 1.50%
89 LF SSPRCHE CLASS HE-III 24X38-INCH @ 1.00%
(N)862.38
(S)862.38
(NE)863.38
PIPE INSULATION REQUIRED
CITY OF MAUSTON SANITARY SEWER
9.0
863.80
(N)861.49
CITY OF MAUSTON WATER
CONCRETE PIPE SUPPORT REQUIRED

9.1
871.80
10.0
870.44
33 LF SSPRC CLASS IV 24-INCH @ 1.00%
(N)862.38
(S)862.38
(NE)863.38
(N)864.21
(SE)864.46
(SW)863.71

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 104	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022501-SS-STH 82.DWG
LAYOUT NAME - 022508-ss
PLOT DATE : 12/17/2021 12:45 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

REMOVING SMALL CULVERT PIPE (30" RCCP)

REMOVING STORM SEWER 18-INCH

STA 11+09.85 'NEBP'
CPRC CLASS IV 24-INCH REQUIRED
SKEW 56° LHF

EW-2.1 STA 11+23.91'NEBP', 42.3' LT
APRON ENDWALLS FOR CPRC 24-INCH

EW-2.0 STA 10+95.71'NEBP', 45.1' LT
APRON ENDWALLS FOR CPRC 24-INCH

SI (TYP.)

CAUTION

MEDIACOM (TV)

FRONTIER (FIBER)

CITY OF MAUSTON (SANITARY)

ALLIANT ENERGY (GAS)

N

WETLANDS (TYP.)

10.4 STA 10+41.03'NEBP', 17.5' LT
INLETS 4-HM-S

NORTHEAST BYPASS LANE

11NEBP

12NEBP

STRUCTURE S-29-0012

ADJUSTING SANITARY MANHOLE COVERS

WESTBOUND STH 82

153WB82

154WB82

155WB82

STA 154+68.52'WB82', 5.5' RT
INLETS 2x3-H

11.3

10.3 STA 150+39.98'WB82', 18.2' LT
INLETS 4-HM-S

152WB82

STA 154+54.46'EB82', 25.7' LT
INLETS 2x3-HM-S

11.2

REMOVING INLETS

REMOVING INLETS

10.0 STA 150+38.31'WB82', 1.5' RT
MANHOLES 5-H-S

STA 154+67.36'EB82', 17.5' LT
INLETS 4-HM

11.1

REMOVING STORM SEWER 12-INCH

REMOVING STORM SEWER 12-INCH

151EB82

152EB82

153EB82

EASTBOUND STH 82

154EB82

155EB82

ADJUSTING SANITARY MANHOLE COVERS

10.1 STA 150+51.92'EB82', 1.5' LT
INLETS 2x3-H-S

CITY OF MAUSTON (SANITARY)

ADJUSTING SANITARY MANHOLE COVERS

150EB82

STA 155+00.04'EB82', 55.6' RT
EXISTING MANHOLE TO REMAIN

11.0

MH

EXISTING R/W

10.2 STA 150+65.09'EB82', 25.7' RT
INLETS 4-HM-S

AT&T (FIBER)

CITY OF MAUSTON (WATER)

FRONTIER (TELEPHONE)

ALLIANT ENERGY (OVERHEAD)

875

870

865

860

10.4 869.56

10.3 870.12

10.0 870.44

10.1 870.61

10.2 870.14

52 LF SSPRC CLASS IV 18-INCH @ 1.00%

(S)864.92

(N)864.40
(S)864.40

(NW)865.20

30 LF SSPRC CLASS IV 12-INCH @ 1.00%

(NW)864.65
(SE)864.90

20 LF SSPRC CLASS IV 18-INCH @ 1.00%

20 LF SSPRC CLASS IV 15-INCH @ 1.00%

(N)864.21
(SE)864.46
(SW)863.71

EW-2.0 870.59

EW-2.1 870.97

26 LF CPRC CLASS IV 24-INCH @ 1.50%

(E)868.34

(W)868.72

STA 11+10 'NEBP'
CPRC CLASS IV 24-INCH
INVERT 1: 868.72
INVERT 2: 868.34
LENGTH: 26 FT
SLOPE: 1.5%
SKEW 56° RHF

11.2 873.98

11.1 874.24

80 LF SSPRC CLASS IV 12-INCH @ 0.50%

(SE)871.39

(NW)871.31
(SE)871.31
(N)871.31

15 LF SSPRC CLASS IV 12-INCH @ 0.50%

11.0 873.64

(NW)870.91

TAP INTO EXISTING MANHOLE

CITY OF MAUSTON (SANITARY)

CITY OF MAUSTON (WATER)

11.3 874.16

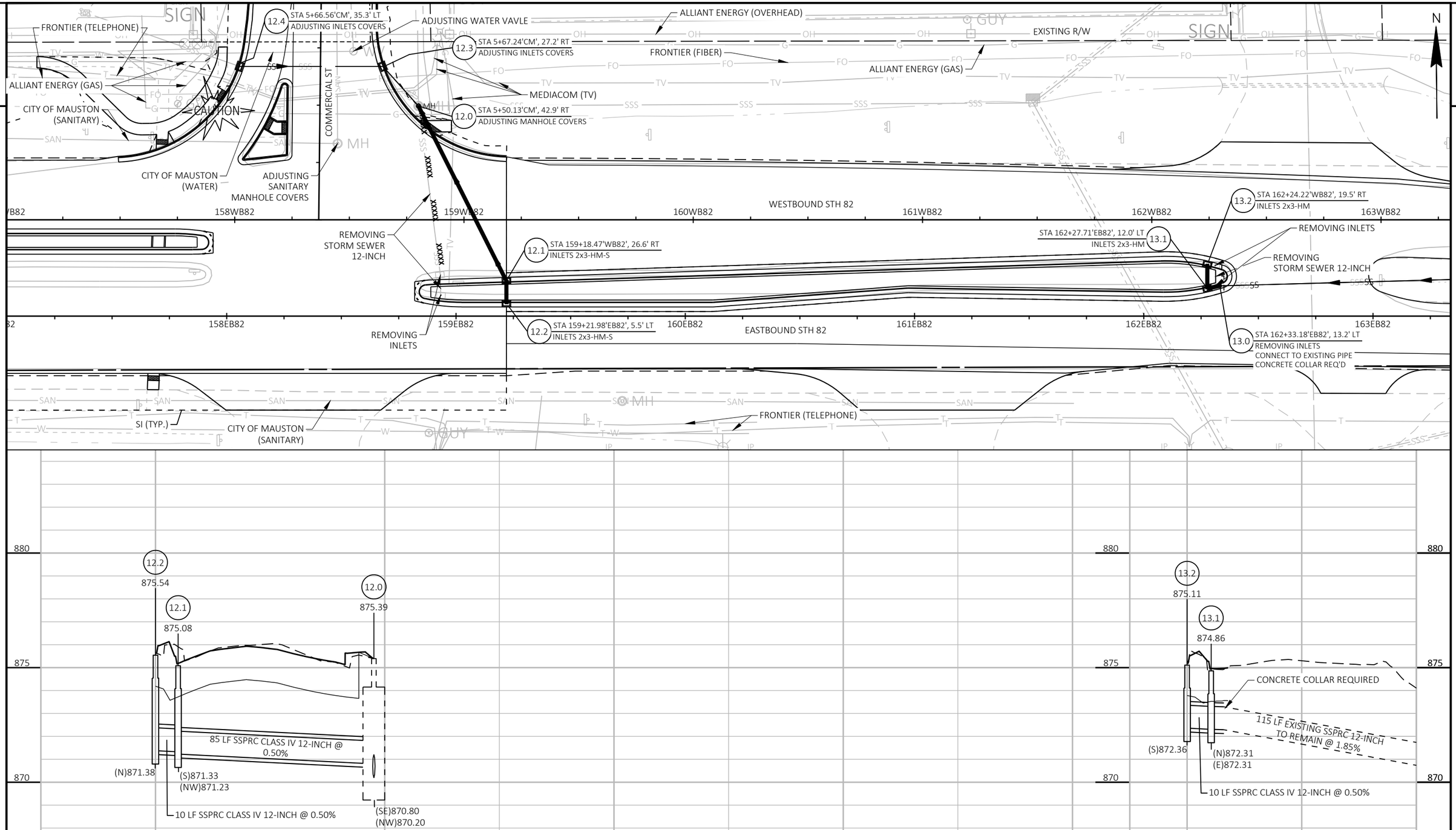
11.1 874.24

(S)871.40

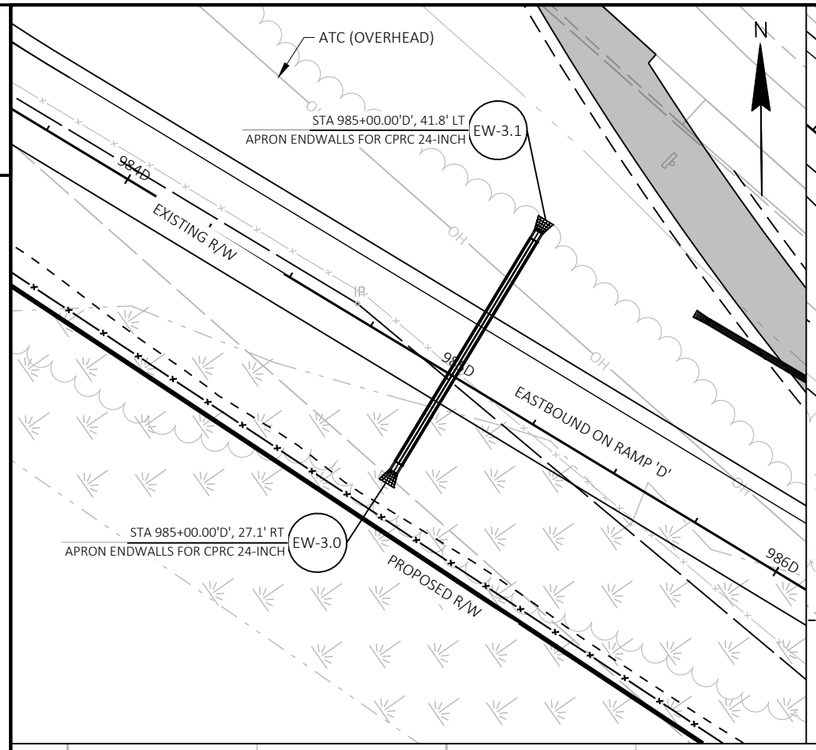
(NW)871.31
(SE)871.31
(N)871.31

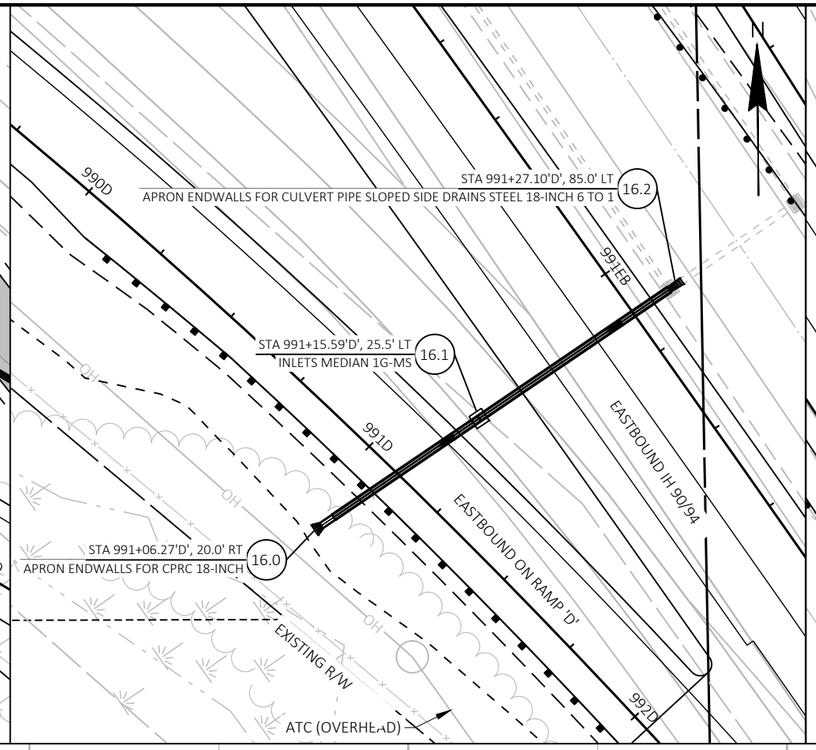
20 LF SSPRC CLASS IV 12-INCH @ 0.44%

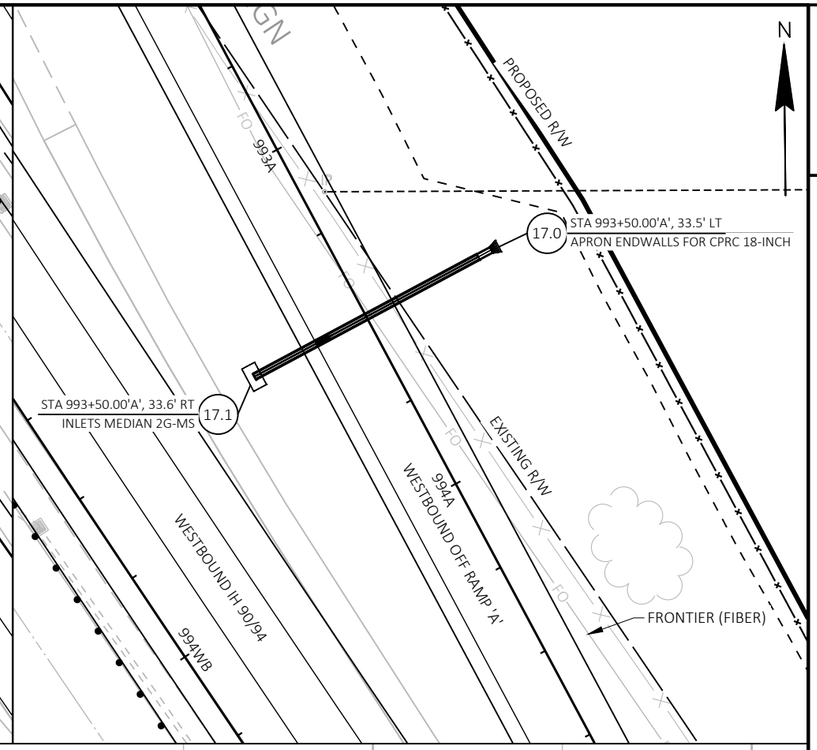
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 105	E

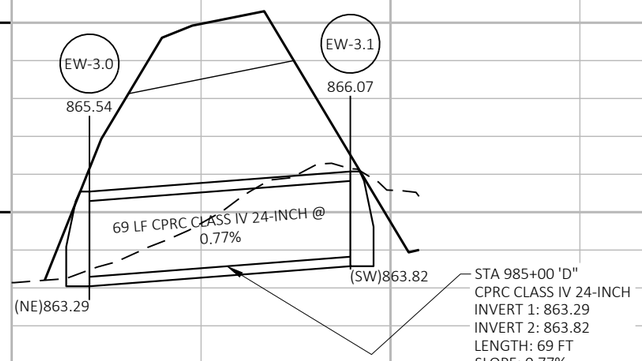


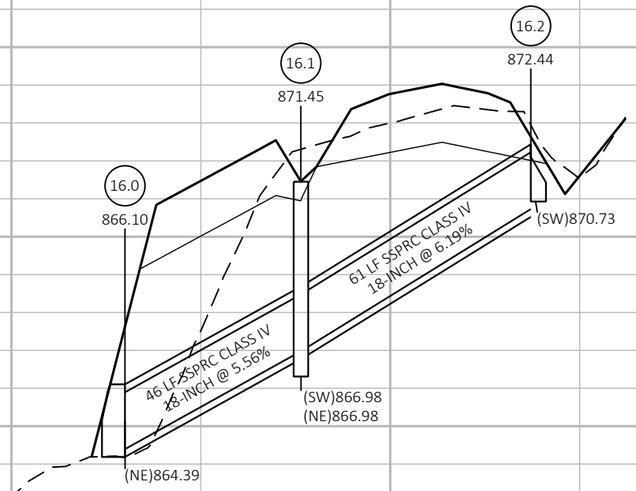
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 106	E

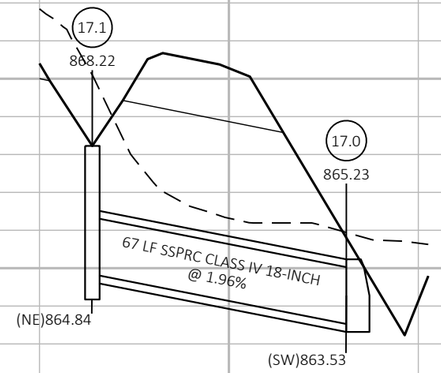






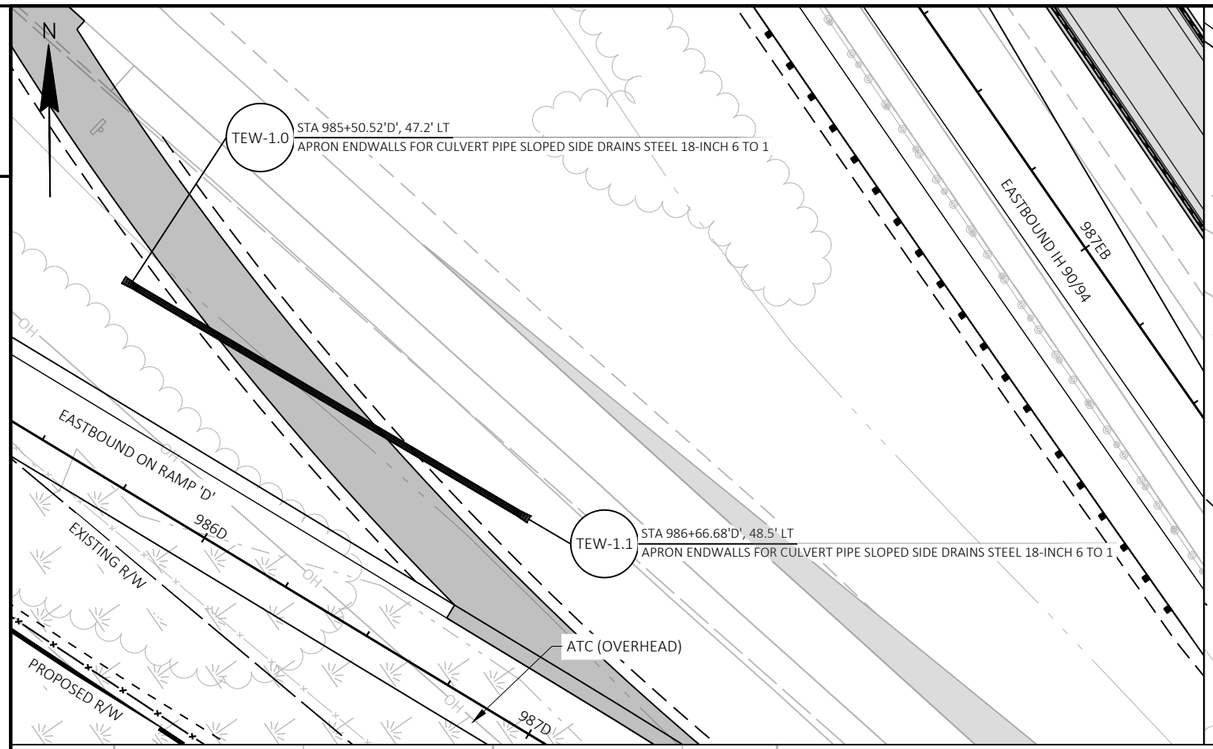


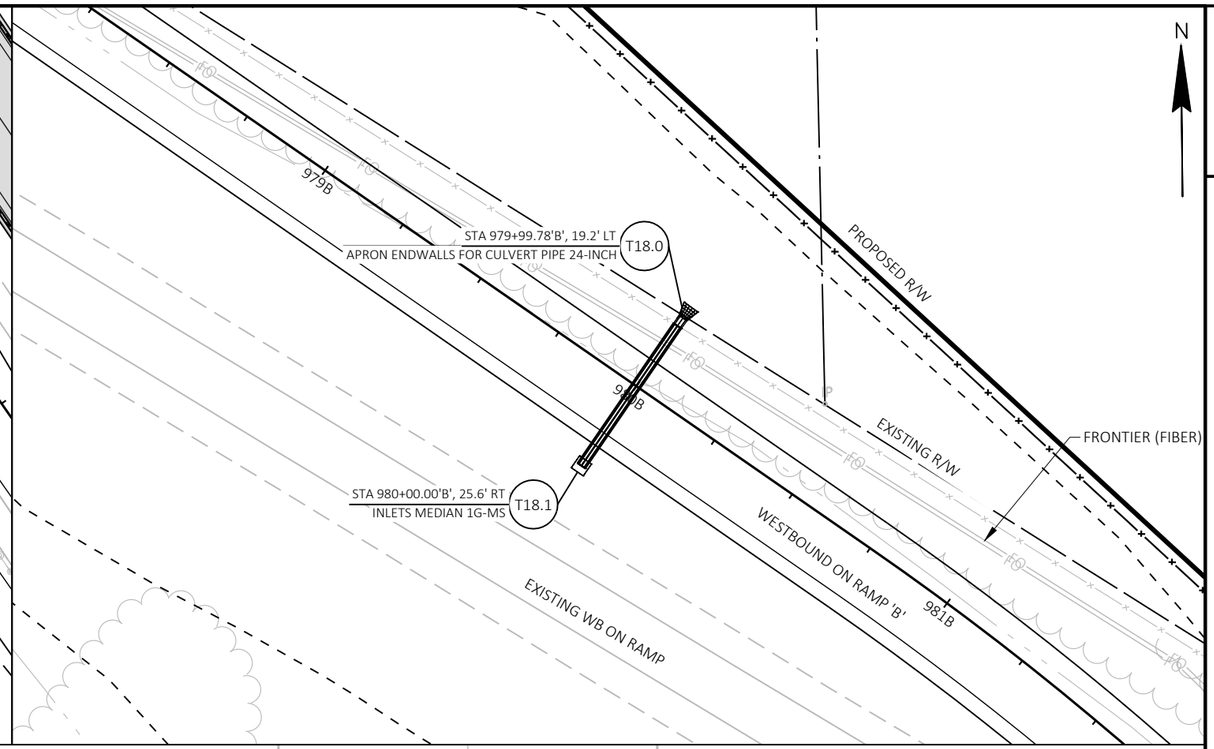


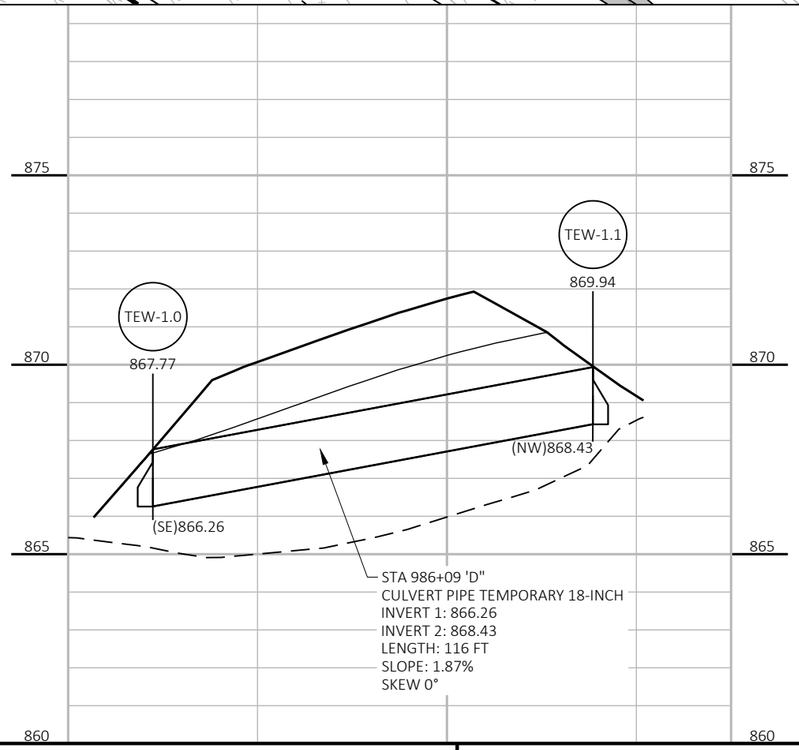


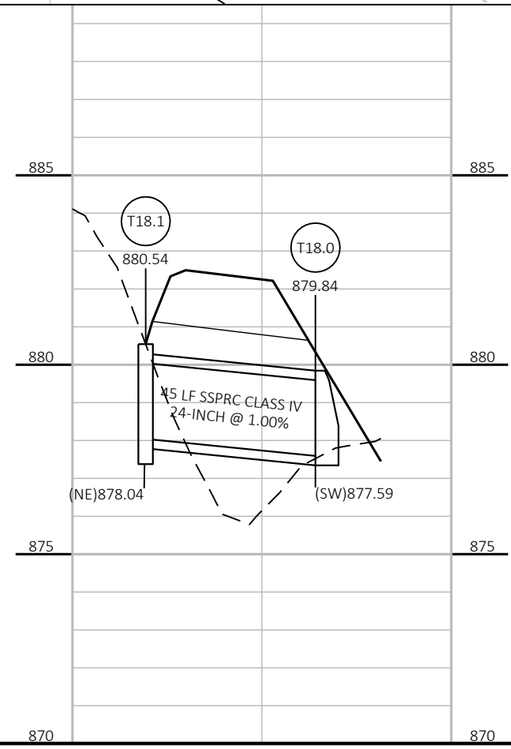
875
870
865
860

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER	SHEET 107	E









PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TEMPORARY STORM SEWER	SHEET 108	E

2

2

25+53.81

957WB
WESTBOUND IH 90/94
958WB
959WB
960WB
961WB
962WB

957T
958T
959T
960T
961T
962T

EB X-OVER TEMP ROADWAY

T1.5 STA 22+00 X3, 7.6' LT
CONCRETE COLLARS FOR PIPE REQ'D

EB OFF RAMP XOVER X3

21X3
22X3
23X3
24X3
25X3

957EB
958EB
959EB
960EB
961EB
962EB

28.1 STA 958+44 EB, 9.7' LT
INLETS MEDIAN 1G
COVER PLATE TEMPORARY

STA 960+50 T, 15.4' RT
CONCRETE COLLARS FOR PIPE REQ'D T1.6

EX2.3 STA 960+50 T, 20.5' RT
EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY

EASTBOUND IH 90/94

910
905
900
895

T1.6

159 LF DRAIN SLOTTED VANE LONGITUDINAL @ 0.09%

230 LF DRAIN SLOTTED VANE LONGITUDINAL @ 0.13%

49 LF SSPC 15-INCH @ 5.89%

902.88

903.03

T1.5

900.95

249 LF EXISTING SSP CLASS III-A 15-INCH @ 0.36%

900.02

EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY
STA. 960+50.00'T' , 20.47' RT

EX2.3

28.1

INLETS MEDIAN 1G
COVER PLATE TEMPORARY
STA. 958+44.22'EB' , 9.70' LT
GRATE = 902.99
I.E. = 898.02 (24" NE)
I.E. = 898.02 (24" SW)

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - EB OFF RAMP XOVER STAGE 2 X3	SHEET 109	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022513-SS-EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 022513-ss

PLOT DATE : 12/17/2021 12:47 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

963WB
964WB
WESTBOUND IH 90/94
965WB
966T
967T
968T
964T
965T
EB X-OVER TEMP ROADWAY
25X1
26X1
27X1
968EB
967EB
966EB
965EB
964EB
963EB
EASTBOUND IH 90/94
26X3
EB OFF RAMP XOVER X3
27X3
28X3
965C
966C
EB OFF RAMP 'C'
967C
968C

T1.7
STA 25+87 X3, 18.7' LT
PROVIDE END CAP

EX2.0
STA 963+00 T, 20.7' RT
EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY

SIGN

N

25+53.81

910
905
900
895

230 LF DRAIN SLOTTED VANE LONGITUDINAL @ 0.13%

T1.7
PROVIDE END CAP
STA. 25+87.48'X3' , 18.69' LT

EX2.0
EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY
STA. 962+99.56'T' , 20.74' RT
GRATE = 904.00
I.E. = 899.70 (18" SW)
I.E. = 900.05 (15" NW)
I.E. = 899.70 (18" NE)

903.32

900.95

249 LF EXISTING SSP CLASS III-A 15-INCH @ 0.36%

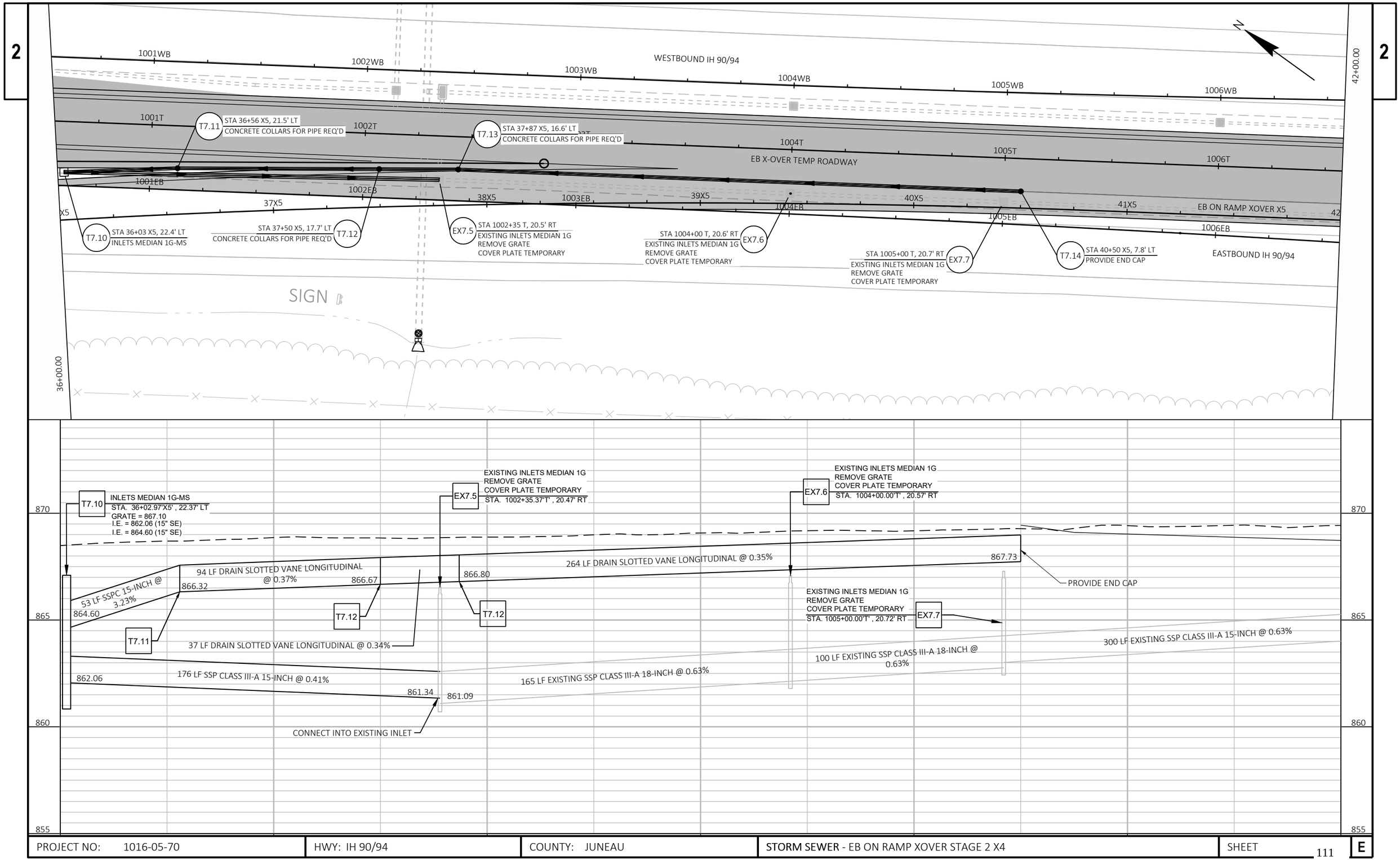
910
905
900
895

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - EB OFF RAMP XOVER STAGE 2 X3	SHEET 110	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022513-SS-EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 022514-ss

PLOT DATE : 12/17/2021 12:47 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER - EB ON RAMP XOVER STAGE 2 X4	SHEET 111	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022513-SS-EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 022515-ss
PLOT DATE : 12/17/2021 12:48 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

WESTBOUND IH 90/94

1007WB 1008WB 1009WB 1010WB 1011WB 1012WB

1007T 1008T 1009T 1010T 1011T 1012T

EB ON RAMP XOVER X5

EB X-OVER TEMP ROADWAY

X5 44X5 45X5 46X5 47X5

1007EB 1008EB 1009EB 1010EB 1011EB 1012EB

EASTBOUND IH 90/94

RIPRAP

42+00.00

EX7.8
STA 1008+00 T, 21.0' RT
EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY

T7.15
STA 43+42 X5, 7.7' RT
INLETS MEDIAN 1G-MS

EX7.9
STA 1010+00 T, 20.4' RT
EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY

875
870
865
860

EX7.8
EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY
STA. 1008+00.00'T' , 20.98' RT

EX7.9
EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY
STA. 1010+00.00'T' , 20.40' RT

EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY
STA. 1008+00.00'T' , 20.98' RT
EX7.8

T7.15
INLETS MEDIAN 1G-MS
STA. 43+41.99'X5' , 7.69' RT
GRATE = 868.30
I.E. = 865.06 (15" NE)

300 LF EXISTING SSP CLASS III-A 15-INCH @ 0.63%

200 LF EXISTING SSP CLASS III-A 12-INCH @ 0.63%

CONNECT INTO EXISTING INLET

(NW)864.91
(SE)865.16

(NE)865.06

10 LF SSP CLASS III-A 15-INCH @ 1.52%

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	STORM SEWER - EB ON RAMP XOVER STAGE 2 X4	SHEET 112	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022513-SS-EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 022516-ss

PLOT DATE : 12/17/2021 12:48 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

STA 21+62.50'X7', 2.1' RT
CONCRETE COLLARS FOR PIPE REQ'D
T1.7

STA 956+00.00'T', 19.7' LT
EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE
TEMPORARY
EX1.2

WESTBOUND IH 90/94

STA 958+00.00'T', 19.2' LT
EXISTING INLETS MEDIAN 1 GRATE
REMOVE GRATE
COVER PLATE TEMPORARY
EX1.3

STA 24+00.00'X7', 7.6' RT
CONCRETE COLLARS FOR PIPE REQ'D
T1.9

STA 25+00.00'X7', 7.6' RT
CONCRETE COLLARS FOR PIPE REQ'D
T1.10

955WB 956WB 957WB 958WB 959WB 960WB

21X7 22X7 23X7 24X7 25X7 26X7

WB ON RAMP XOVER X7

955T 956T 957T 958T 959T 960T

EB X-OVER TEMP ROADWAY

EASTBOUND IH 90/94

STA 23+27.08'X7', 7.6' RT
CONCRETE COLLARS FOR PIPE REQ'D
T1.8

910

905

900

895

EX1.2

902.73

900.56

290 LF OF EXISTING SSP CLASS III-A 15-INCH @ 0.55%

CONNECT INTO EXISTING INLET

36 LF OF SSPC 15-INCH @ 6.05%

T1.7

164 LF OF DRAIN SLOTTED VANE LONGITUDINAL @ 0.09%

902.87

902.94

903.04

903.13

T1.8

T1.9

T1.10

T1.11

73 LF OF DRAIN SLOTTED VANE LONGITUDINAL @ 0.09%

100 LF OF DRAIN SLOTTED VANE LONGITUDINAL @ 0.09%

100 LF OF DRAIN SLOTTED VANE LONGITUDINAL @ 0.09%

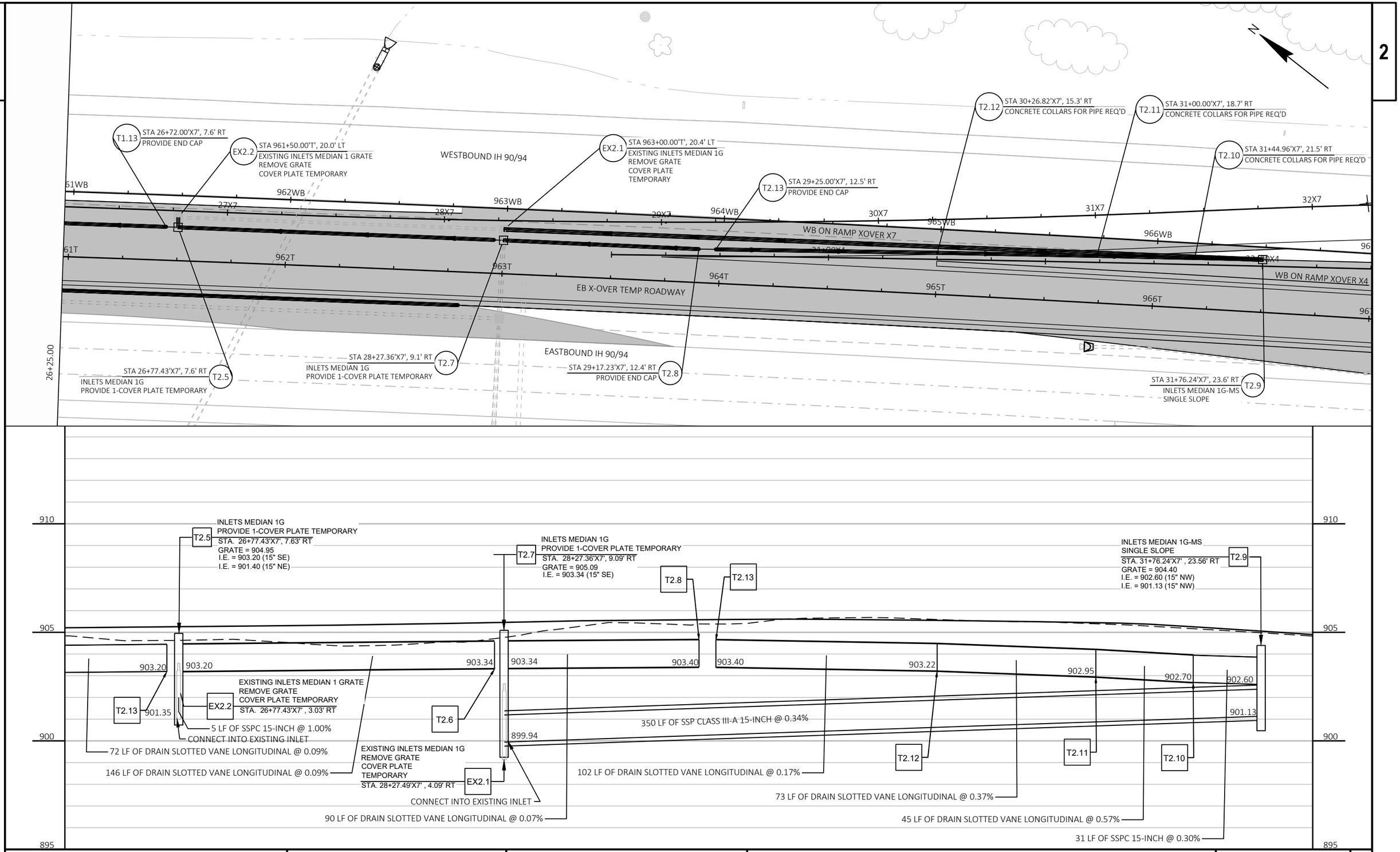
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - WB ON RAMP XOVER STAGE 3 X7	SHEET 113	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022517-SS-EB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 022517-ss

PLOT DATE : 12/17/2021 12:48 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - WB ON RAMP XOVER STAGE 3 X7	SHEET 114	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022517-SS-EB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 022518-ss
PLOT DATE : 12/17/2021 12:48 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

N

STA 38+54.97'X8', 4.0' RT
CONCRETE COLLARS FOR PIPE REQ'D
39.CC2

39.CC1
STA 38+70.96'X8', 3.6' RT
CONCRETE COLLARS FOR PIPE REQ'D

T7.16
STA 36+33.14'X8', 19.0' RT
CONCRETE COLLARS FOR PIPE REQ'D

STA 1006+00.00'T', 20.5' LT
EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY
EX7.3

EX7.1
STA 1002+35.37'T', 20.6' LT
EXISTING INLETS MEDIAN 2G

STA 1004+00.00'T', 20.4' LT
EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY
EX7.2

WESTBOUND IH 90/94

34X8
35X8
36X8
38X8
39X8
40X8
1003WB
1004WB
1005WB 37X8
1006WB
1007WB
1008WB

WB OFF RAMP XOVER X8

1003T
1004T
1005T
1006T
1007T
1008T

EB X-OVER TEMP ROADWAY

STA 38+62.96'X8', 3.8' RT
STAGE 3B-INLETS MEDIAN 1G
COVER PLATE TEMPORARY
39.1

EASTBOUND IH 90/94

40.25.00

875
870
865
860

EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY
STA. 37+87.93'X8' , 6.00' RT
EX7.3

STAGE 3B-INLETS MEDIAN 1G
COVER PLATE TEMPORARY
STA. 1006+75.00'WB' , 13.12' RT
GRATE = 868.47
I.E. = 862.67 (24" SW)
I.E. = 862.66 (24" NE)
39.1

T7.16

EX7.1
EXISTING INLETS MEDIAN 2G
STA. 34+24.11'X8' , 26.57' RT

EXISTING INLETS MEDIAN 1G
REMOVE GRATE
COVER PLATE TEMPORARY
STA. 35+88.45'X8' , 16.72' RT
GRATE = 867.64
EX7.2

546 LF OF DRAIN SLOTTED VANE LONGITUDINAL @ 0.34%

867.53

CONNECT INTO EXISTING INLET

45 LF OF SSPC 15-INCH @ 8.24%

250 LF OF EXISTING SSP CLASS III-A 12-INCH @ 0.95%

863.84

200 LF OF EXISTING SSP CLASS III-A 15-INCH @ 0.96%

165 LF OF EXISTING SSP CLASS III-A 18-INCH @ 0.96%

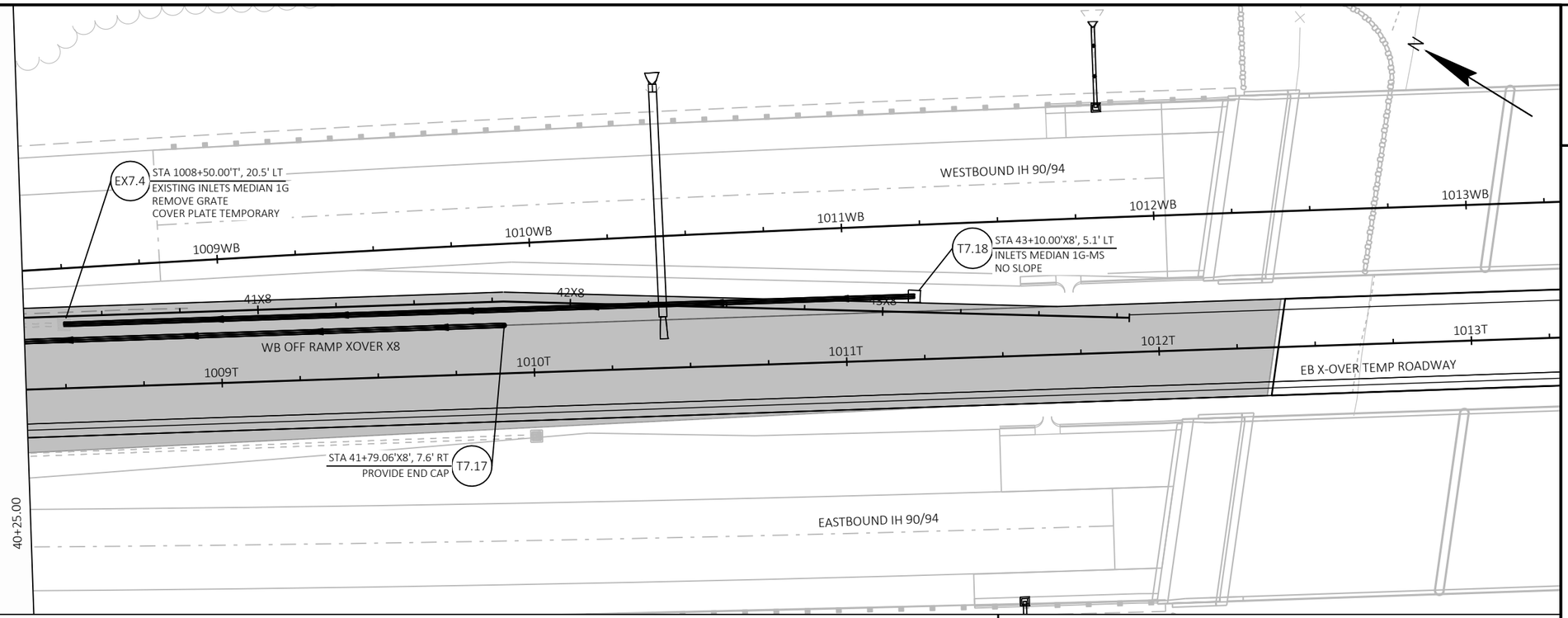
39.CC2

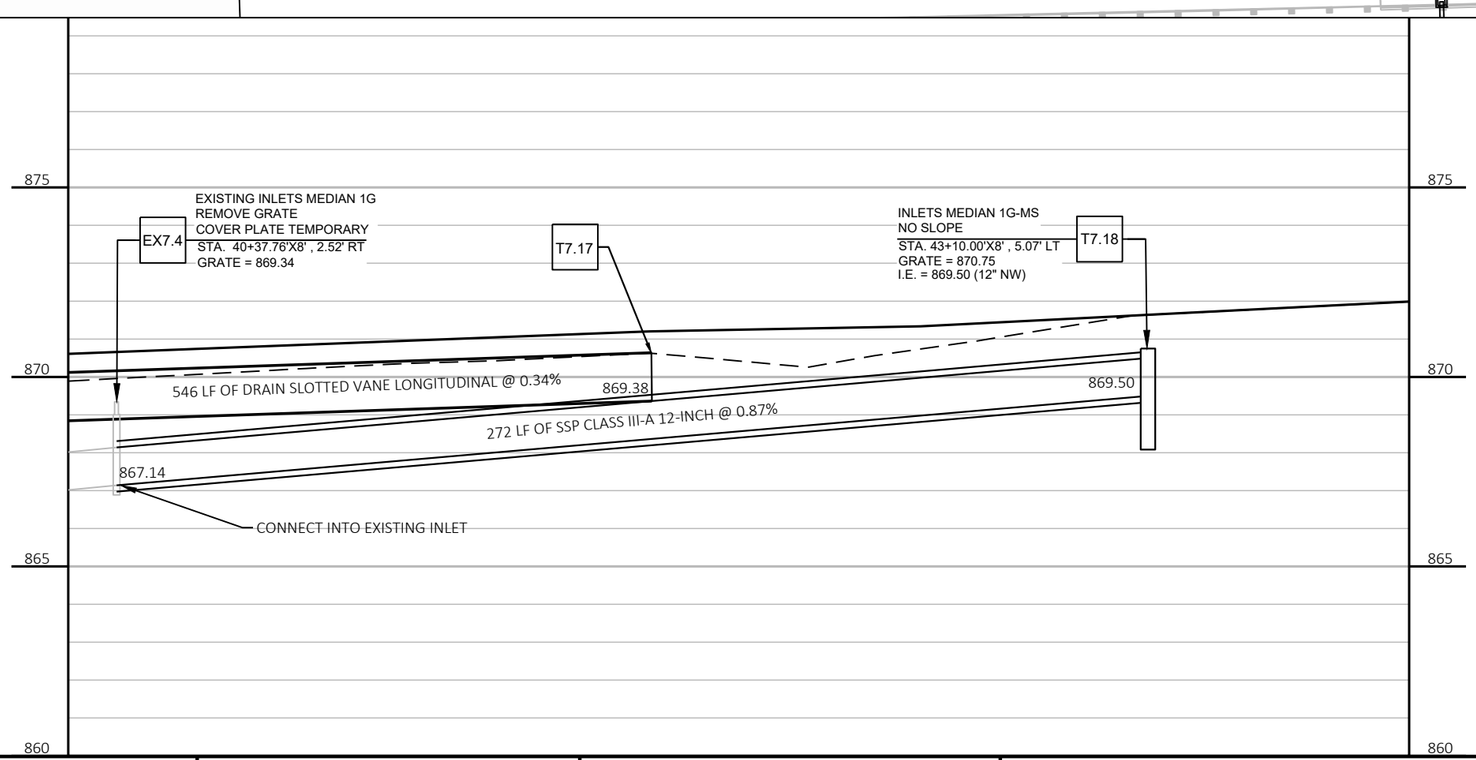
39.CC1

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - WB OFF RAMP XOVER STAGE 3 X8	SHEET 115	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022517-SS-EB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 022519-ss
PLOT DATE : 12/17/2021 12:48 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - WB OFF RAMP XOVER STAGE 3 X8	SHEET 116	E

SEE "PLAN - STAGE 4" PLAN SHEETS FOR
CULVERT & STORM SEWER REMOVALS

STRUCTURE B-29-157

948WB 949WB WESTBOUND IH 90/94 950WB 951WB 952WB 953WB

22G

23.2 STA 947+52.43'EB', 22.5' LT
APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 6 TO 1

23.1 STA 947+52.43'EB', 6.9' LT
STAGE 2A-INLETS MEDIAN 1G, COVER PLATE TEMPORARY
STAGE 4-REMOVING INLETS
CONCRETE COLLARS FOR PIPE REQ'D

949EB 950EB 951EB 952EB 953EB

STA 953+11.75'EB', 24.9' LT 26.2
INLETS MEDIAN 2G-MS

STA 953+11.75'EB', 9.6' LT 26.1
STAGE 2A-CONNECT TO EXISTING INLET
STAGE 4-REMOVING INLETS
CONCRETE COLLARS FOR PIPE REQ'D

EASTBOUND IH 90/94

23.0 STA 947+52.43'EB', 46.7' RT
APRON ENDWALLS FOR CPRC 24-INCH

CAUTION

STA 953+11.75'EB', 29.7' RT 26.CC
CONCRETE COLLARS FOR PIPE REQ'D

STA 953+11.75'EB', 39.7' RT 26.E2
ELBOW REQ'D

SIGN

SI (TYP.)

STRUCTURE B-29-36

MEDIACOM

CITY OF MAUSTON

ATC (TRANSMISSION)

EXISTING R/W

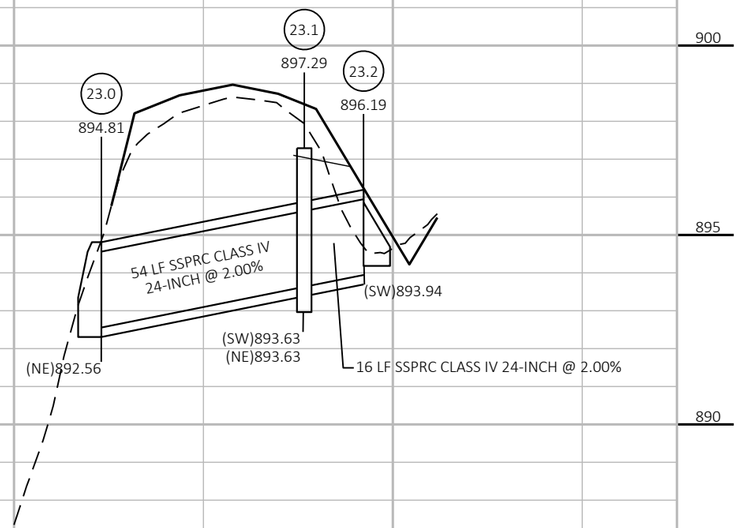
CTH G

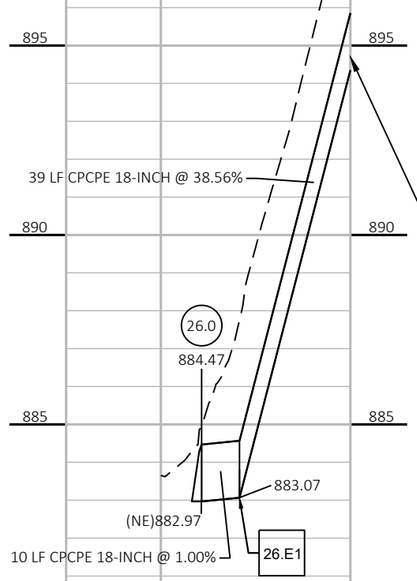
ALLIANT ENERGY (GAS)

ALLIANT ENERGY (ELEC)

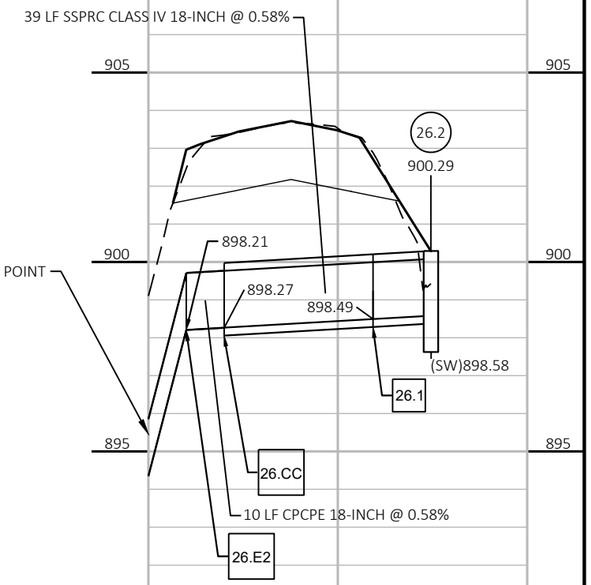
STA 953+11.76'EB', 79.0' RT 26.E1
ELBOW REQ'D

STA 953+11.76'EB', 89.0' RT 26.0
APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH





MATCH POINT



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - IH 90/94	SHEET 117	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022501-SS - STAGE 4.DWG
LAYOUT NAME - 022521-ss
PLOT DATE : 12/17/2021 12:49 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

SEE "PLAN - STAGE 4" PLAN SHEETS FOR
CULVERT & STORM SEWER REMOVALS

SI (TYP.)

EXISTING R/W

STA 950+09.03'WB', 83.6' LT
APRON ENDWALLS FOR CPRC 36-INCH — 24.0

STA 950+08.97'WB', 71.0' LT
REMOVE APRON ENDWALL
CONCRETE COLLARS FOR PIPE REQ'D — 24.1

STA 951+34.24'WB', 90.4' LT
APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH — 25.0

STA 951+34.24'WB', 80.4' RT
ELBOW REQ'D — 25.E1

STA 951+34.24'WB', 53.3' LT
ELBOW REQ'D — 25.E2

STA 951+34.24'WB', 43.3' LT
INLETS 2x2-V — 25.1

STA 22+64.13'G', 16.9' LT
ADJUSTING INLET COVERS — 49.4

STA 22+53.59'G', 16.7' LT
ADJUSTING INLET COVERS — 49.3

STA 22+54.96'G', 4.5' RT
ADJUSTING MANHOLE COVERS — 49.0

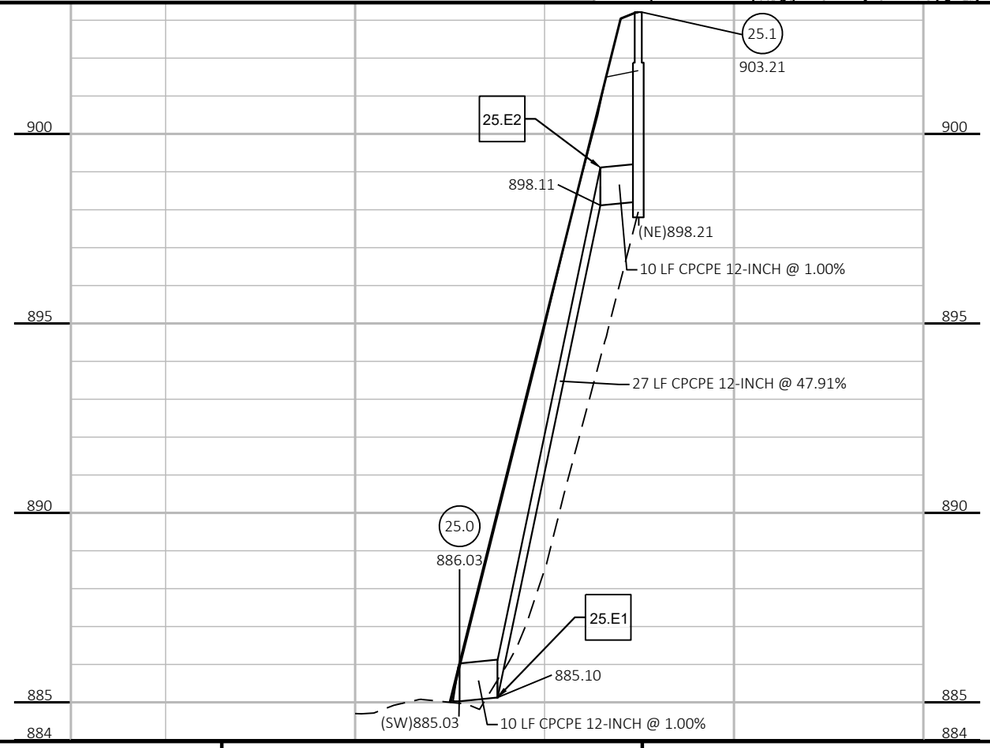
STA 22+64.05'G', 15.9' RT
ADJUSTING INLET COVERS — 49.2

STA 22+53.80'G', 15.7' RT
ADJUSTING INLET COVERS — 49.1

STA 954+21.91'WB', 92.0' LT
APRON ENDWALLS FOR CPRC 30-INCH — 27.0

STA 954+12.39'WB', 75.6' LT
REMOVE APRON ENDWALL
CONCRETE COLLARS FOR PIPE REQ'D — 27.1

MEDIACOM
CITY OF MAUSTON
FRONTIER
AT&T
CAUTION
ALLIANT ENERGY (ELEC)
ALLIANT ENERGY (GAS)
R/W
CTH G
22G
WESTBOUND IH 90/94
949WB
950WB
951WB
952WB
953WB
954WB
STRUCTURE B-29-157



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - IH 90/94	SHEET 118	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022501-SS - STAGE 4.DWG
LAYOUT NAME - 022522-ss
PLOT DATE : 12/17/2021 12:49 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

SEE "PLAN - STAGE 4" PLAN SHEETS FOR
CULVERT & STORM SEWER REMOVALS

958WB 959WB 960WB WESTBOUND IH 90/94 961WB 962WB 963WB 964W

28.2 STA 958+44.22'EB', 27.8' LT
INLETS MEDIAN 2G-MS

28.1 STA 958+44.22'EB', 9.7' LT
STAGE 2A-INLETS MEDIAN 1G, COVER PLATE TEMPORARY
STAGE 4-REMOVING INLETS
CONCRETE COLLARS FOR PIPE REQ'D

30.3 STA 963+00.77'EB', 28.8' LT
INLETS MEDIAN 2G-MS

958EB 960EB 961EB 962EB 963EB 964EB

30.2 STA 963+00.56'EB', 9.3' LT
STAGE 2A-CONNECT TO EXISTING INLET
STAGE 4-REMOVING INLETS
CONCRETE COLLARS FOR PIPE REQ'D

EASTBOUND IH 90/94

28.0 STA 958+44.22'EB', 65.8' RT
APRON ENDWALLS FOR CPRC 24-INCH

SI (TYP.)

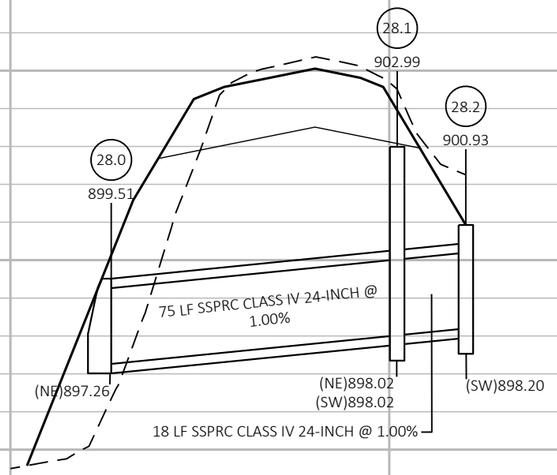
29.1 STA 961+51.67'EB', 64.7' RT
REMOVE APRON ENDWALL
CONCRETE COLLARS FOR PIPE REQ'D

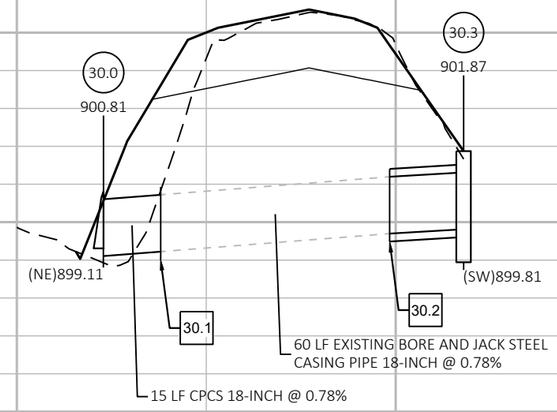
29.0 STA 961+45.94'EB', 76.8' RT
APRON ENDWALLS FOR CPRC 30-INCH

30.1 STA 963+00.13'EB', 51.2' RT
REMOVE APRON ENDWALL
CONCRETE COLLARS FOR PIPE REQ'D

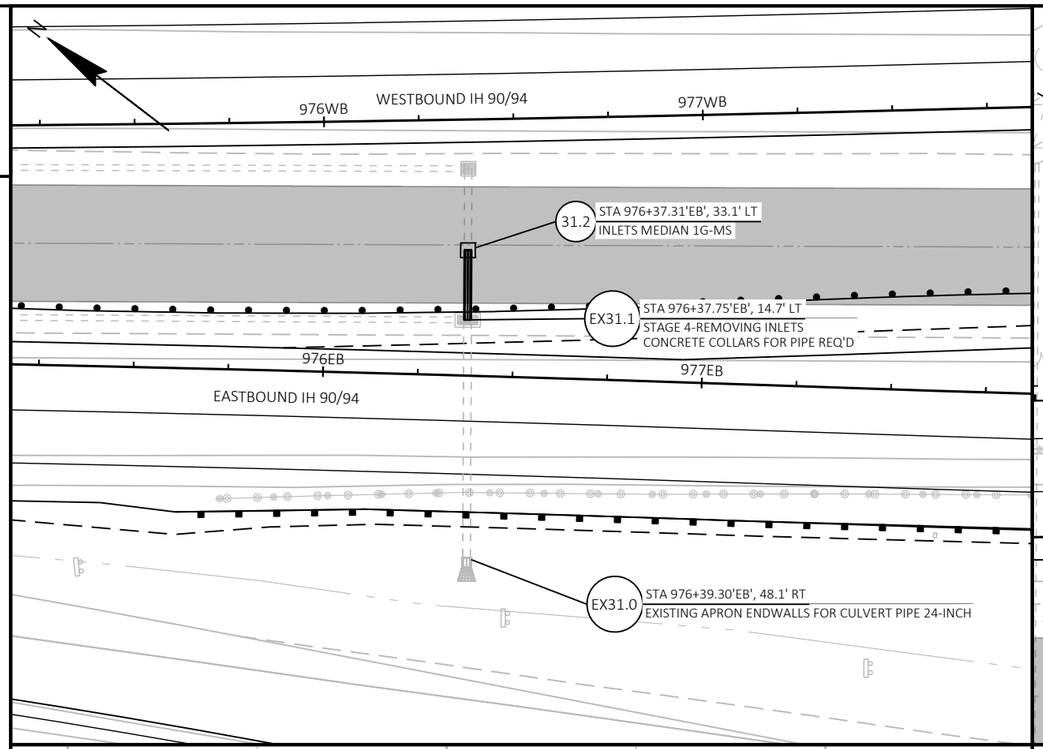
30.0 STA 963+00.02'EB', 66.3' RT
APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH

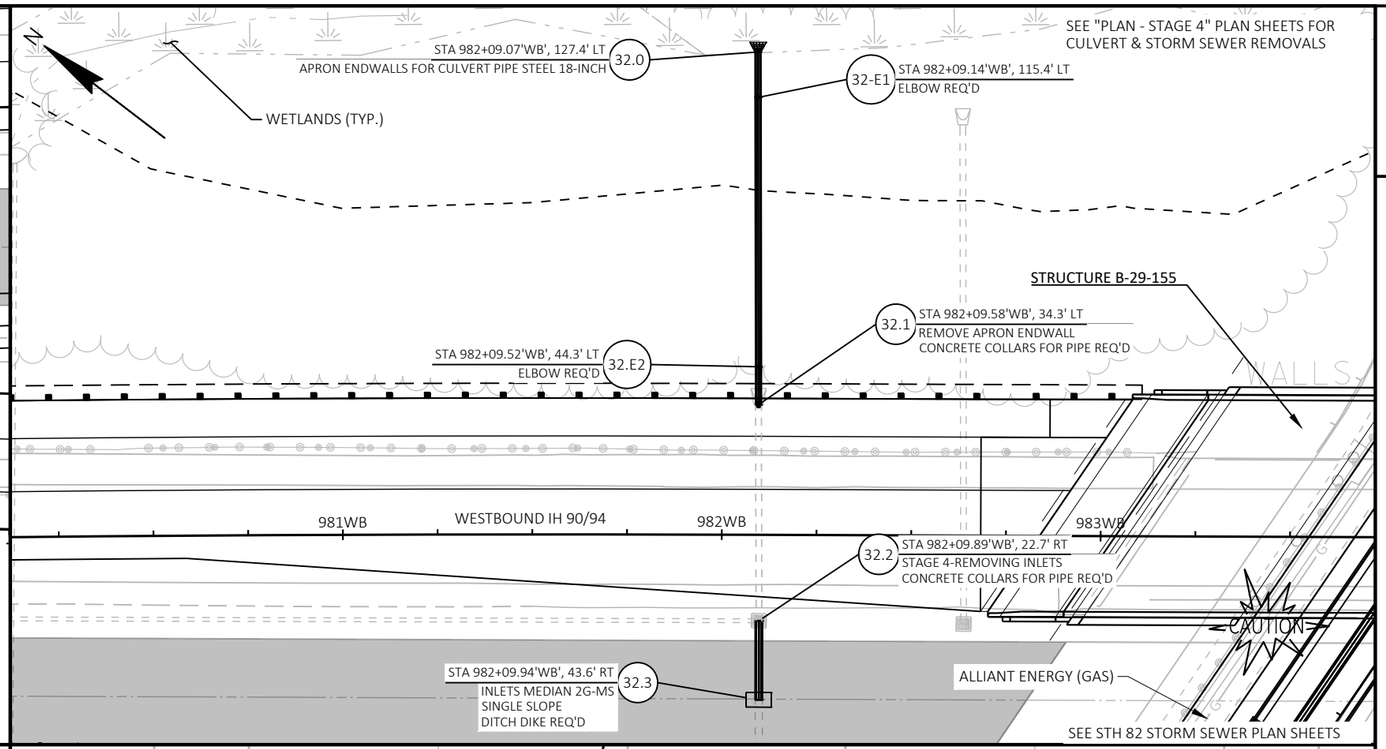
ATC (TRANSMISSION)

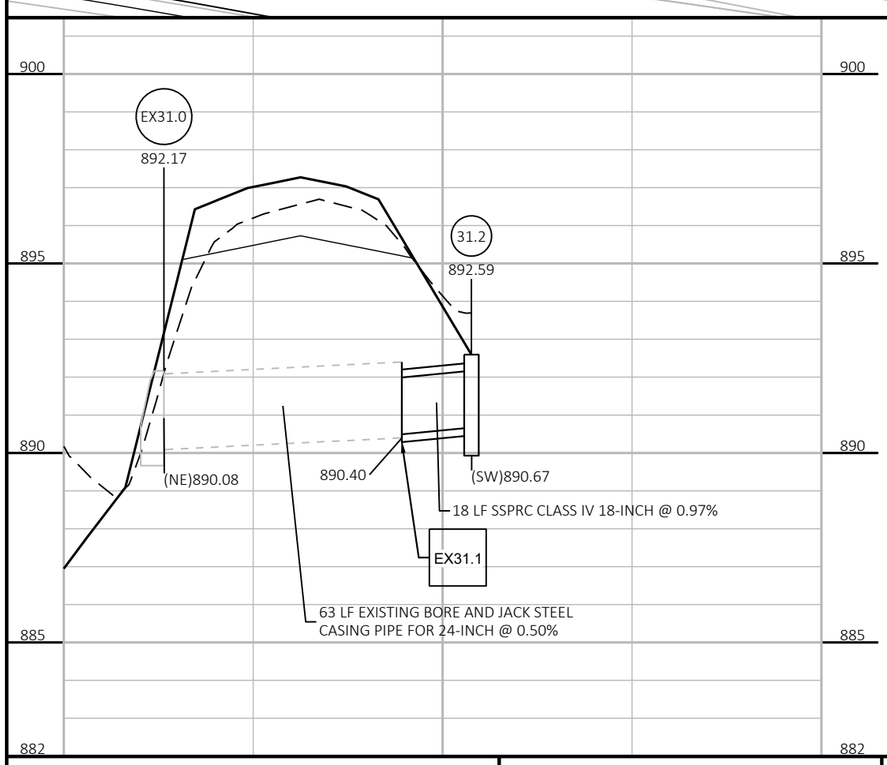


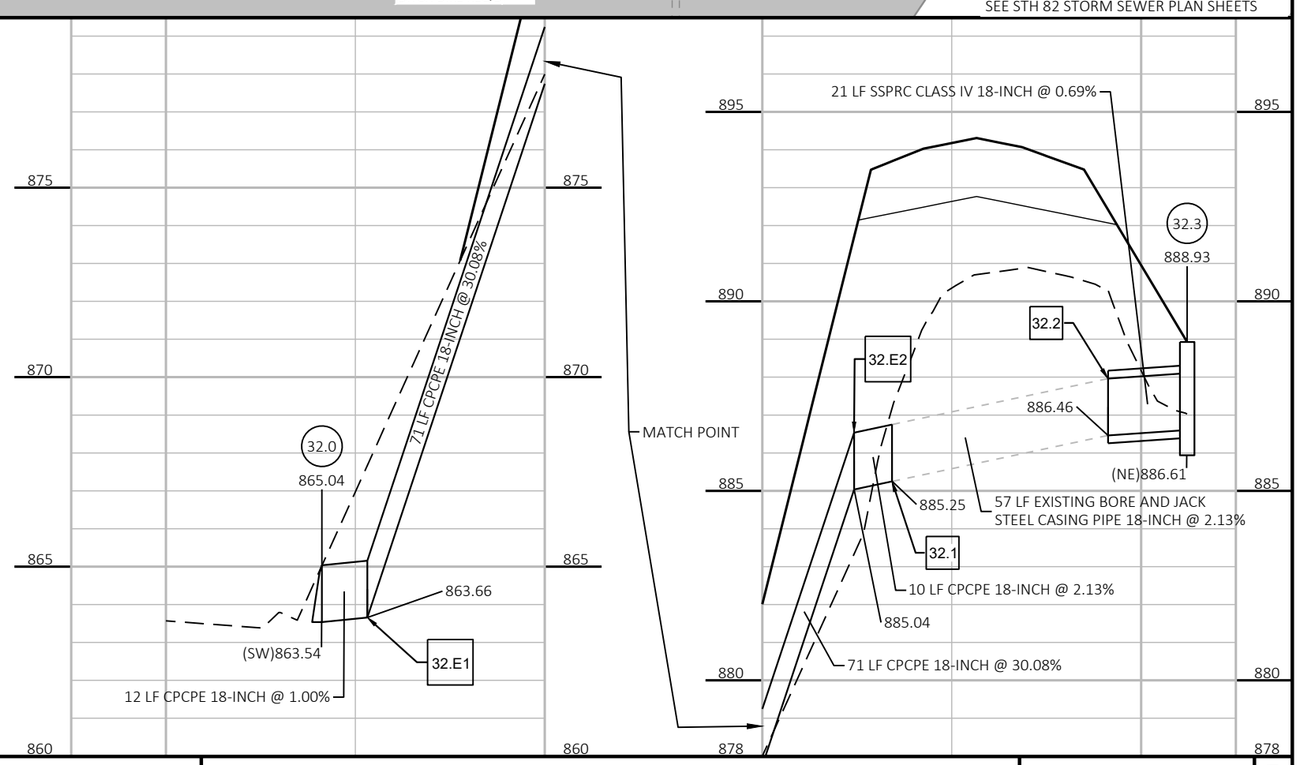


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - IH 90/94	SHEET 119	E



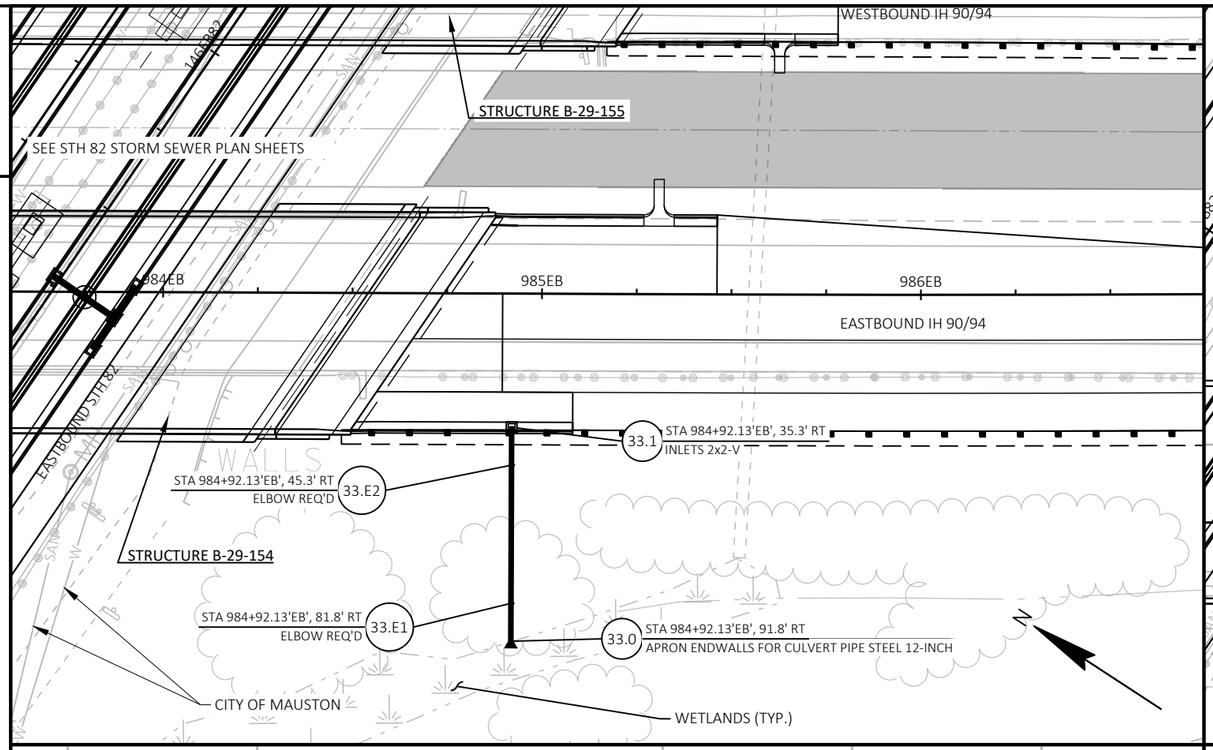


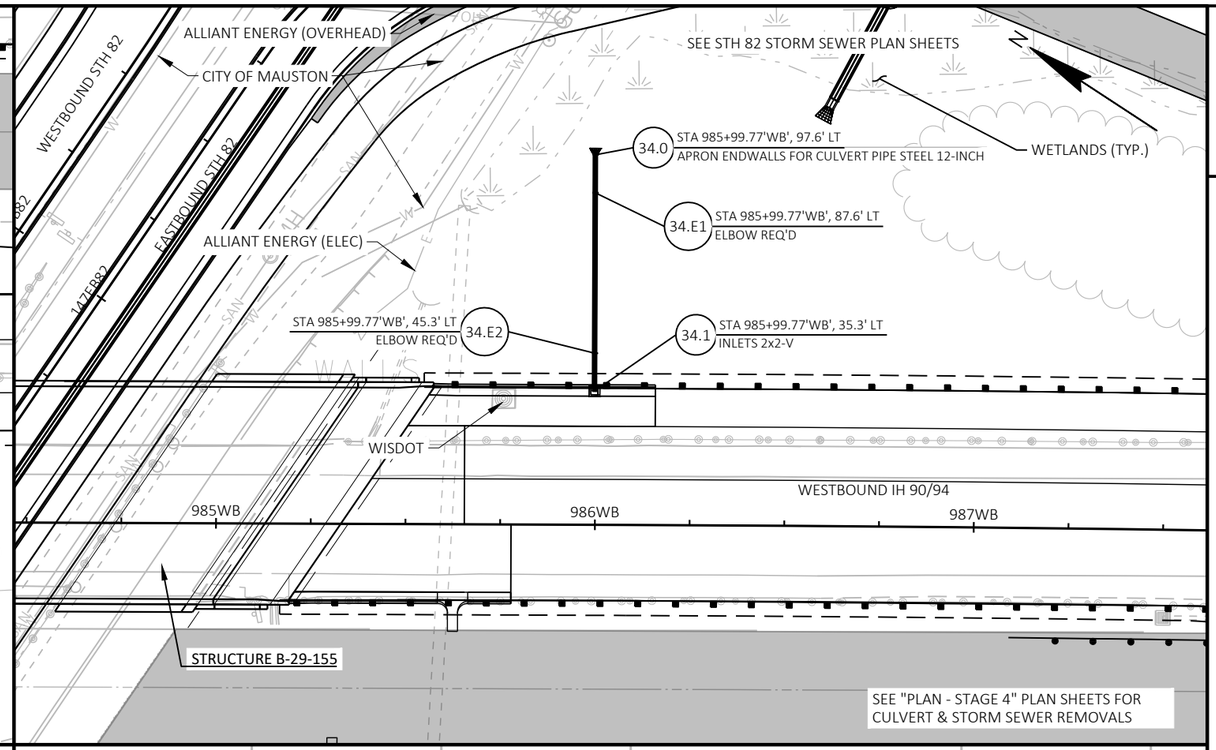


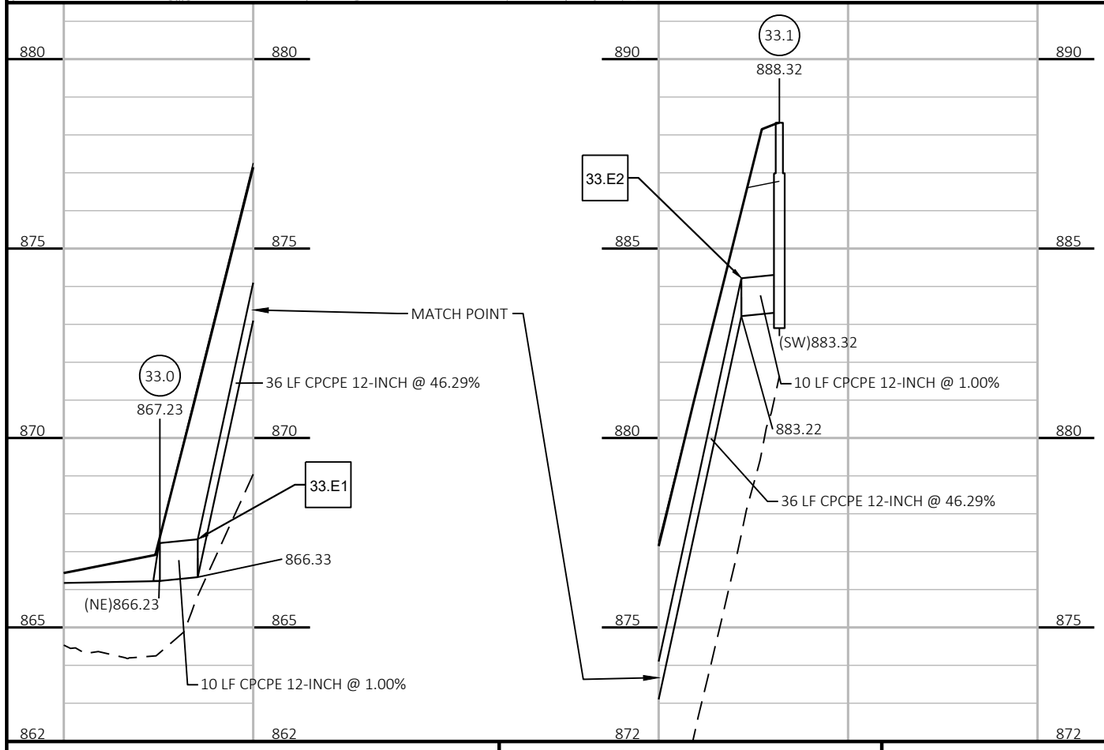


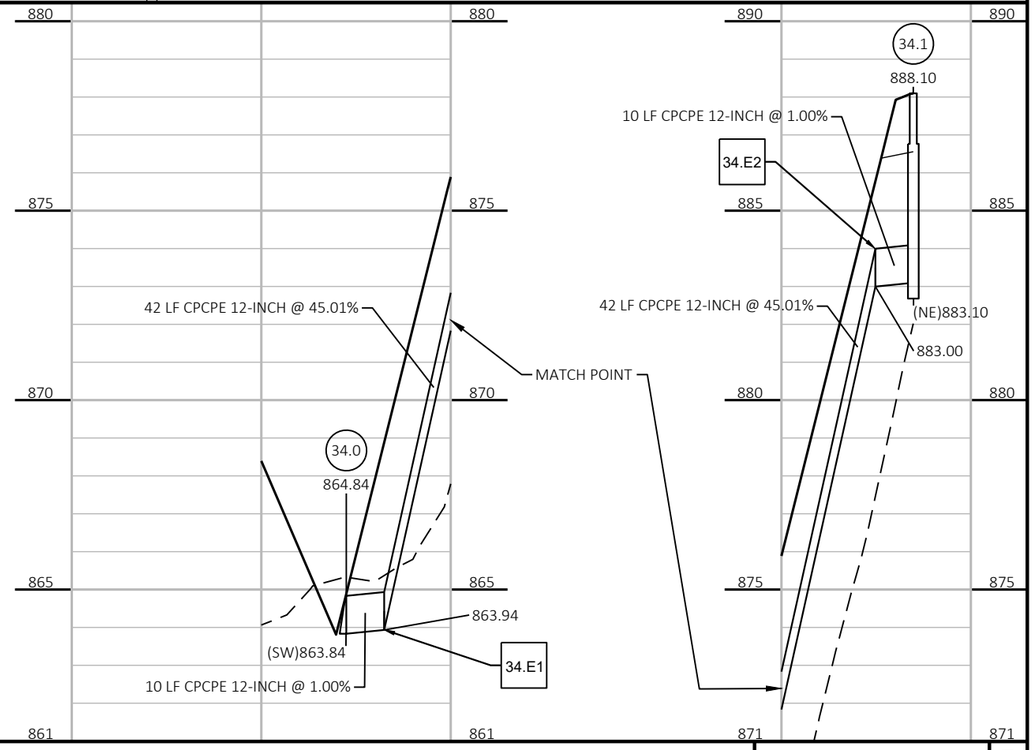
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - STAGE 4	SHEET 120	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022501-SS - STAGE 4.DWG
LAYOUT NAME - 022524-ss
PLOT DATE : 12/17/2021 12:49 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : #######
WISDOT/CADDS SHEET 44



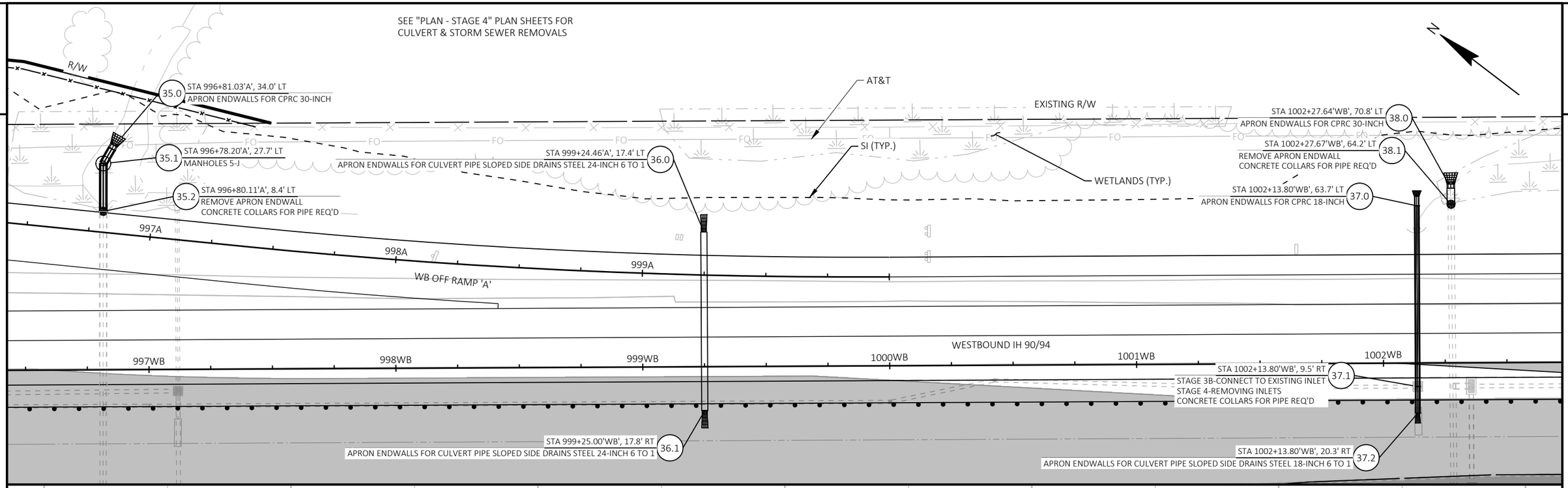






PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - IH 90/94	SHEET 121	E

SEE "PLAN - STAGE 4" PLAN SHEETS FOR
CULVERT & STORM SEWER REMOVALS





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - IH 90/94	SHEET 122	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\022501-SS - STAGE 4.DWG
LAYOUT NAME - 022526-ss
PLOT DATE : 12/17/2021 12:50 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

EB

1011EB

1012EB

1013EB

EASTBOUND IH 90/94

STA 1011+54.76'EB', 35.3' RT
INLETS 2x2-V
41.1

STA 1011+54.76'EB', 45.3' RT
ELBOW REQ'D
41.E2

STA 1011+54.76'EB', 62.1' RT
ELBOW REQ'D
41.E1

STA 1011+54.76'EB', 68.1' RT
APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH
41.0

WETLANDS (TYP.)

R/W

SI (TYP.)

STRUCTURE B-29-152

ATC (TRANSMISSION)

SEE "PLAN - STAGE 4" PLAN SHEETS FOR
CULVERT & STORM SEWER REMOVALS

WETLANDS (TYP.)

AT&T

SI (TYP.)

EXISTING R/W

STA 1011+82.75'WB', 61.0' LT
APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH
42.0

STA 1011+82.75'WB', 55.0' LT
ELBOW REQ'D
42.E1

STA 1011+82.75'WB', 35.3' LT
INLETS 2x2-V
42.1

STA 1011+82.75'WB', 45.3' LT
ELBOW REQ'D
42.E2

STRUCTURE B-29-153

WESTBOUND IH 90/94

1011WB

1012WB

1013WB

2

875

870

865

860

856

41.1
871.75

41.E2
866.65
(SW)866.75
17 LF CPCPE 12-INCH @ 46.78%
10 LF CPCPE 12-INCH @ 1.00%

41.0
859.70
41.E1
858.75
(NE)858.69
6 LF CPCPE 12-INCH @ 1.00%

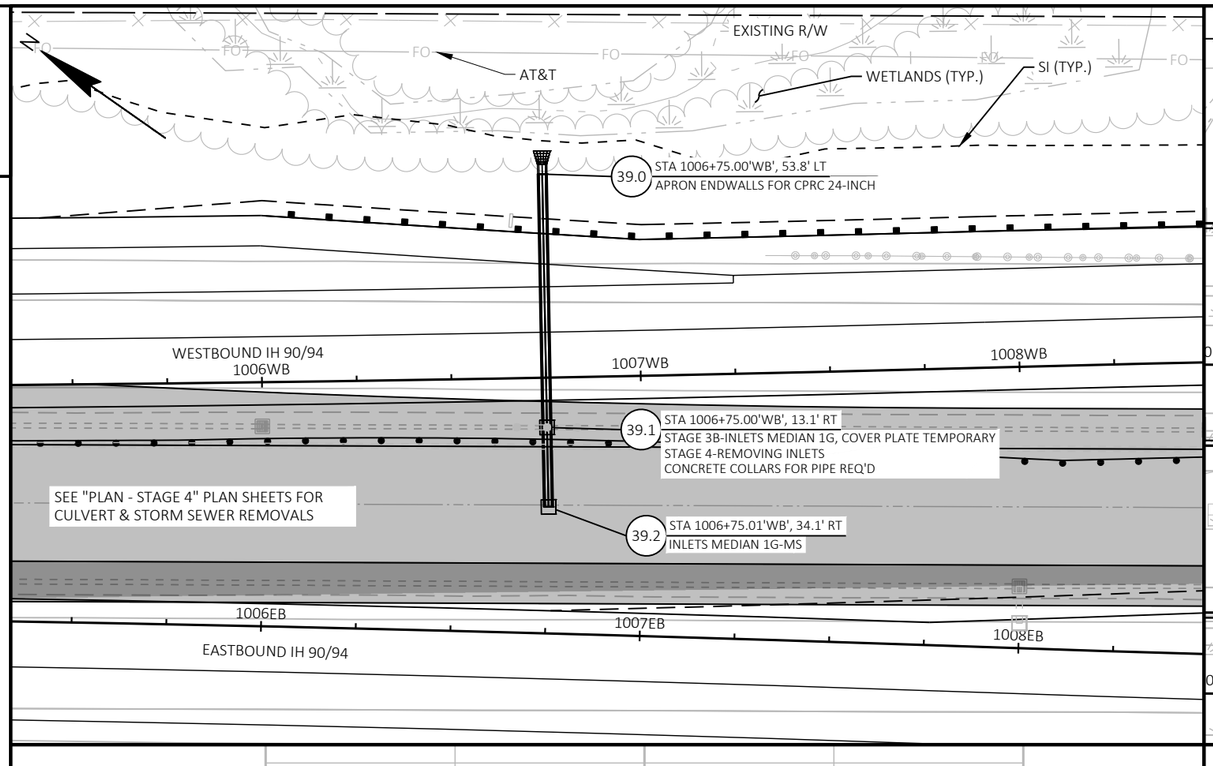
42.1
872.13

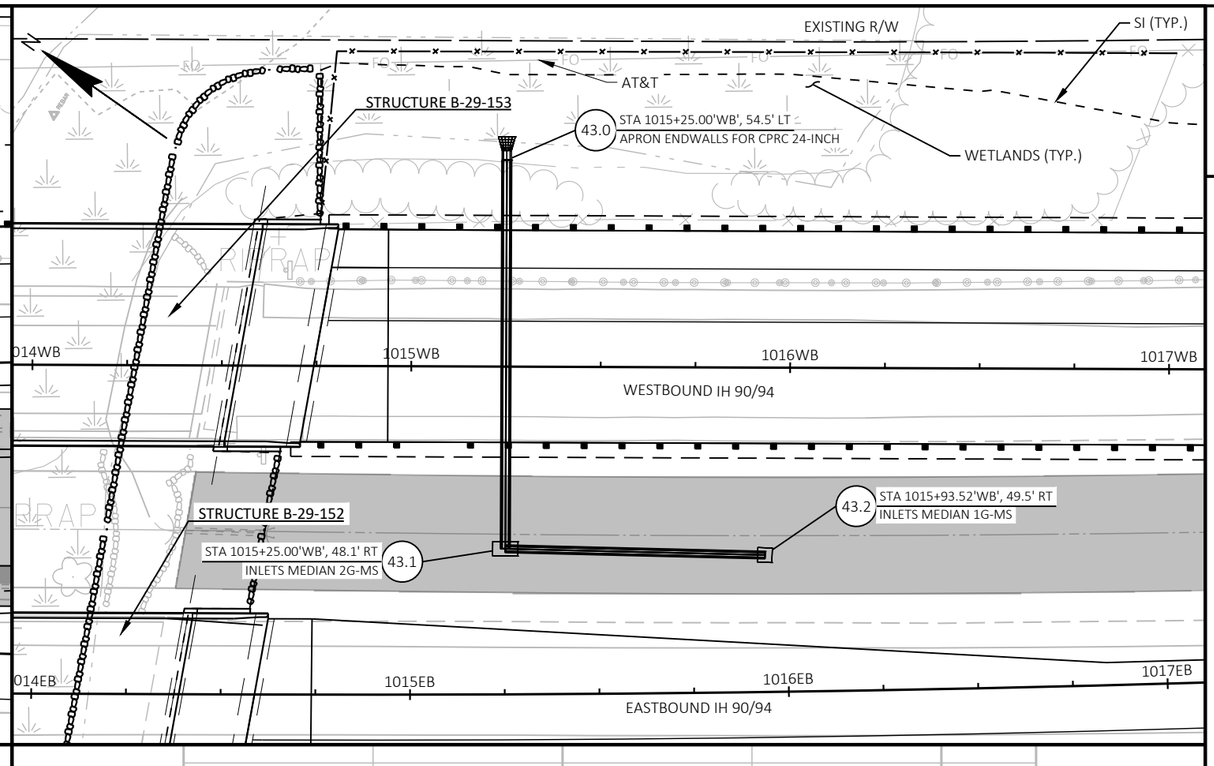
42.E2
867.03

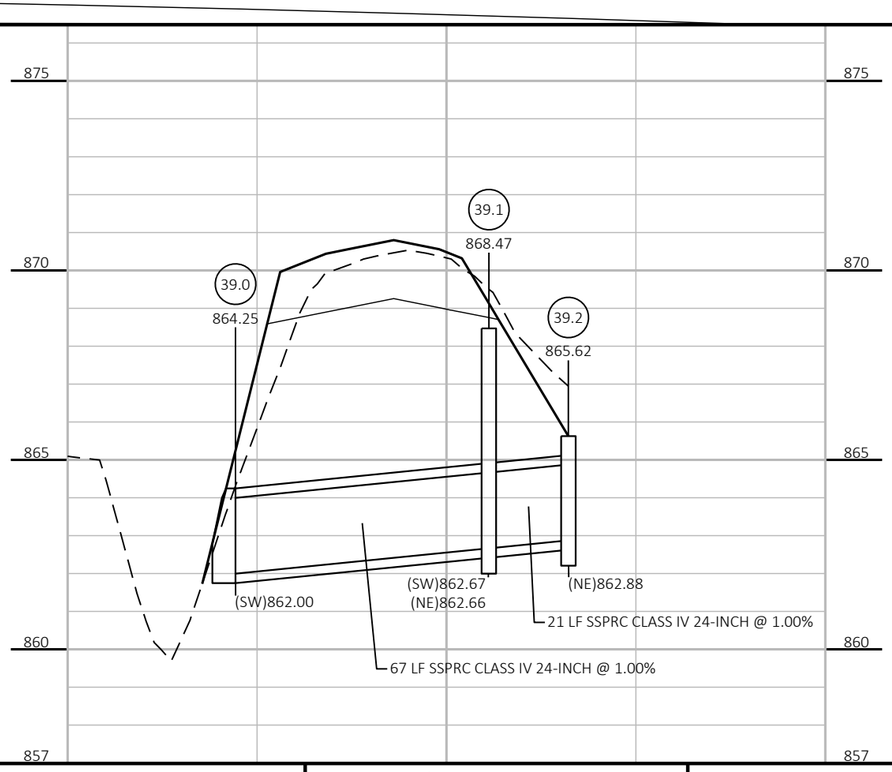
42.0
863.52
(NE)867.13
10 LF CPCPE 12-INCH @ 1.00%
10 LF CPCPE 12-INCH @ 45.40%

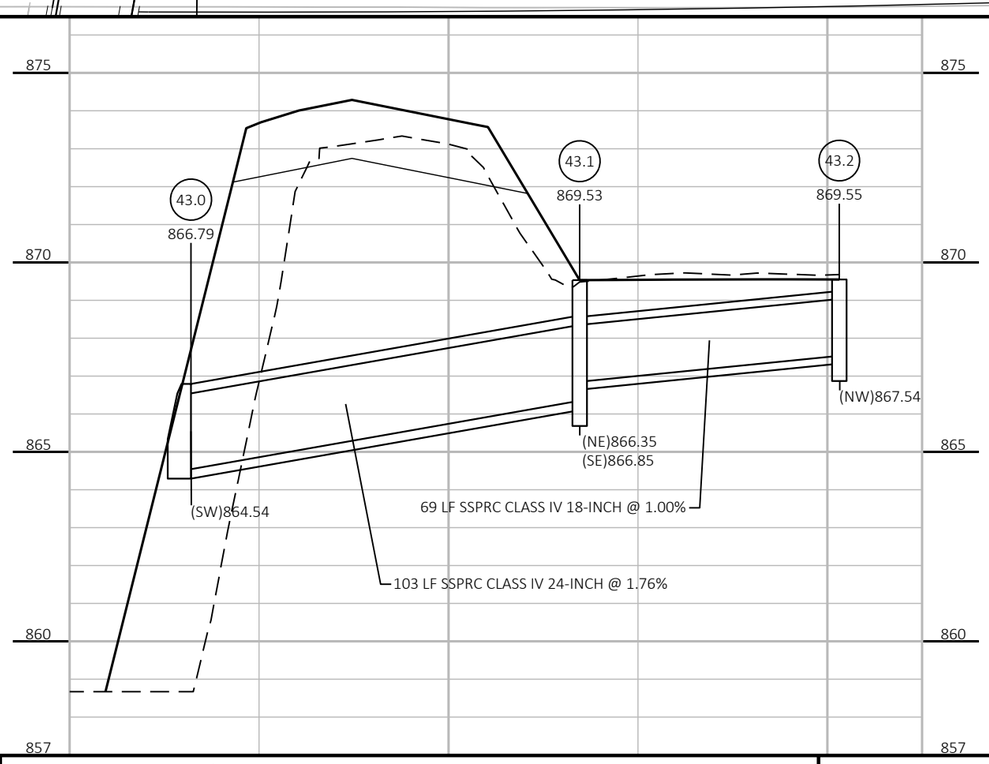
42.E1
(SW)862.51
862.61
6 LF CPCPE 12-INCH @ 1.00%

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - IH 90/94	SHEET 123	E

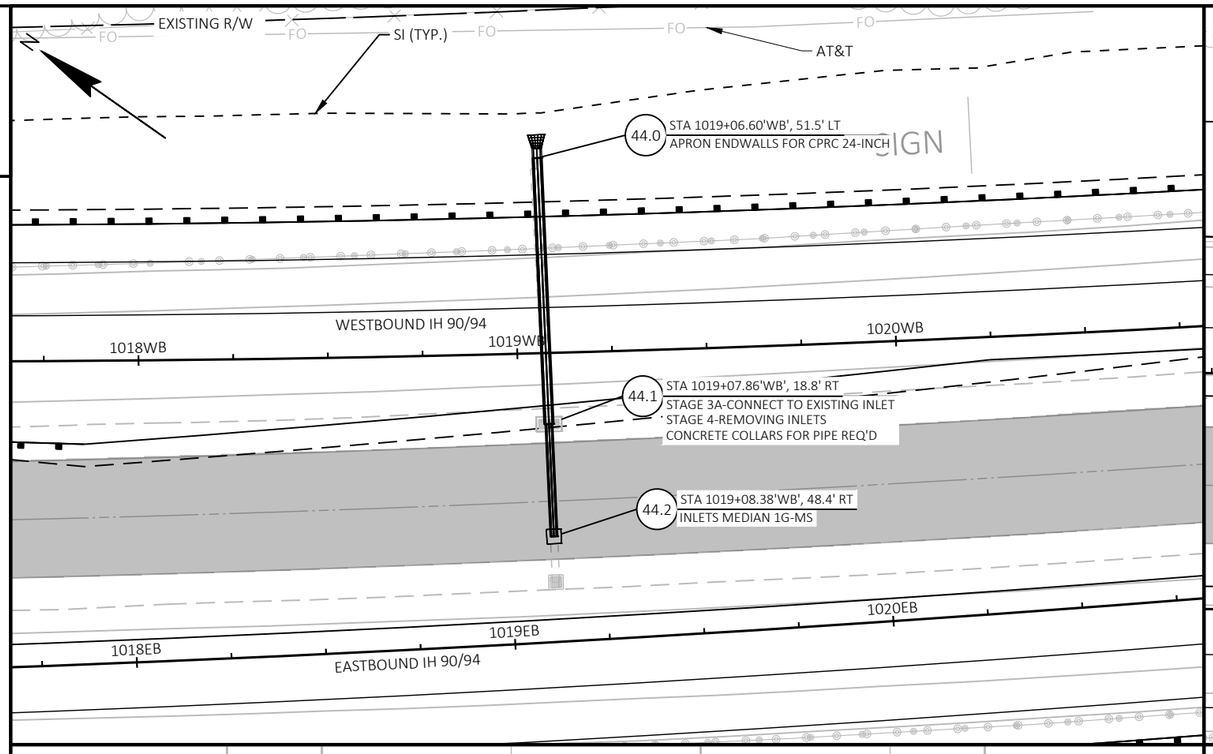


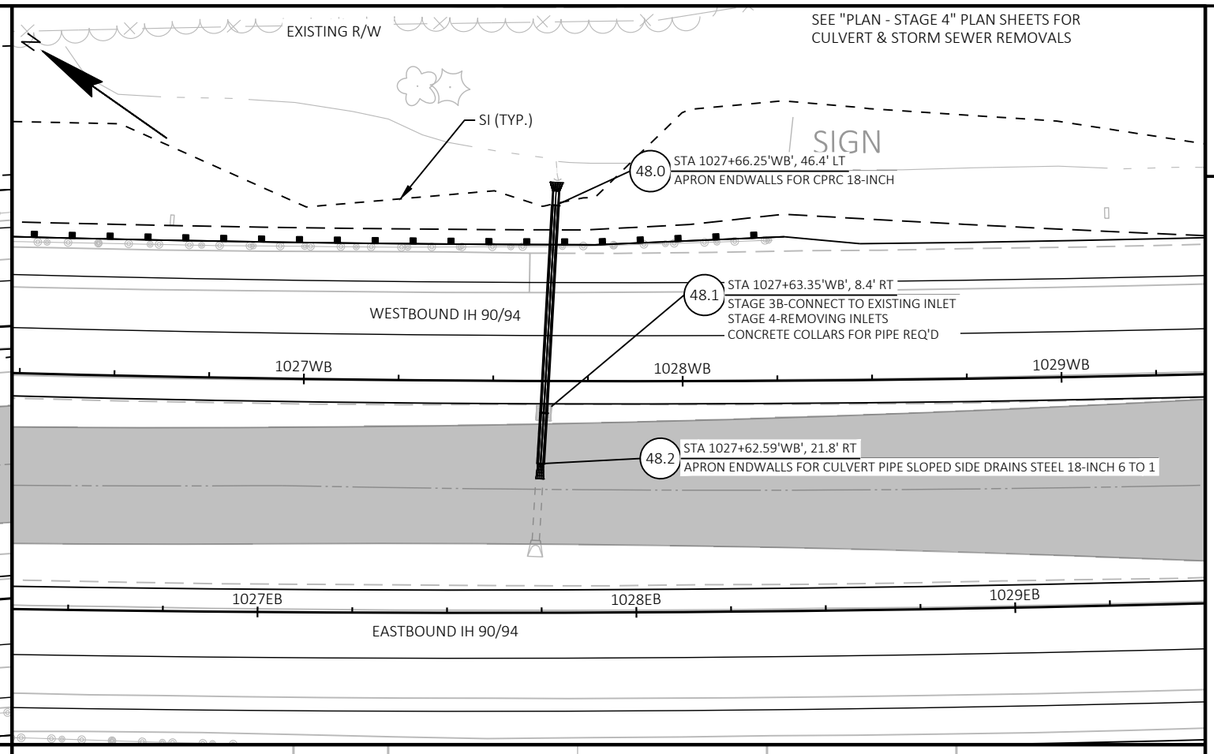


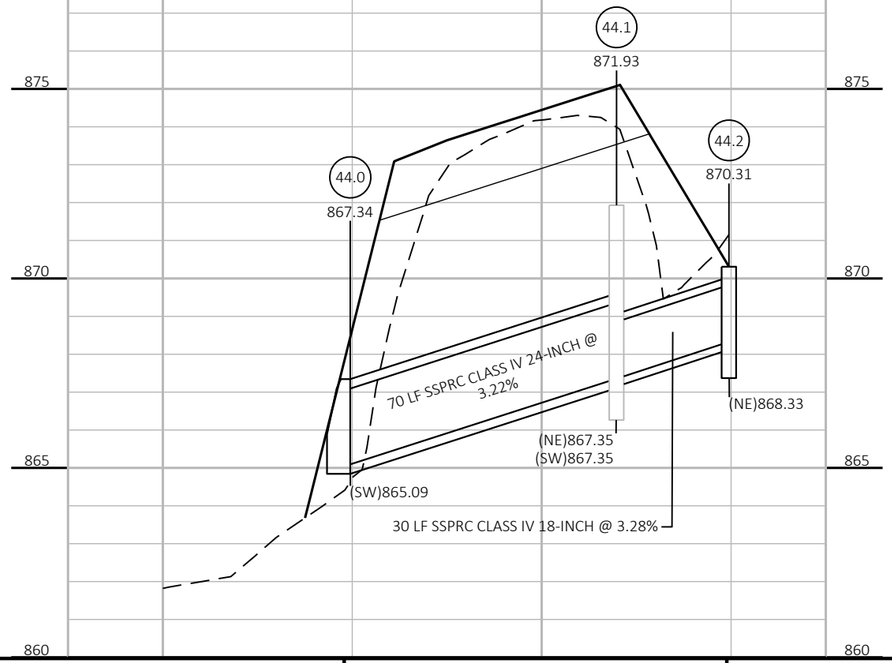


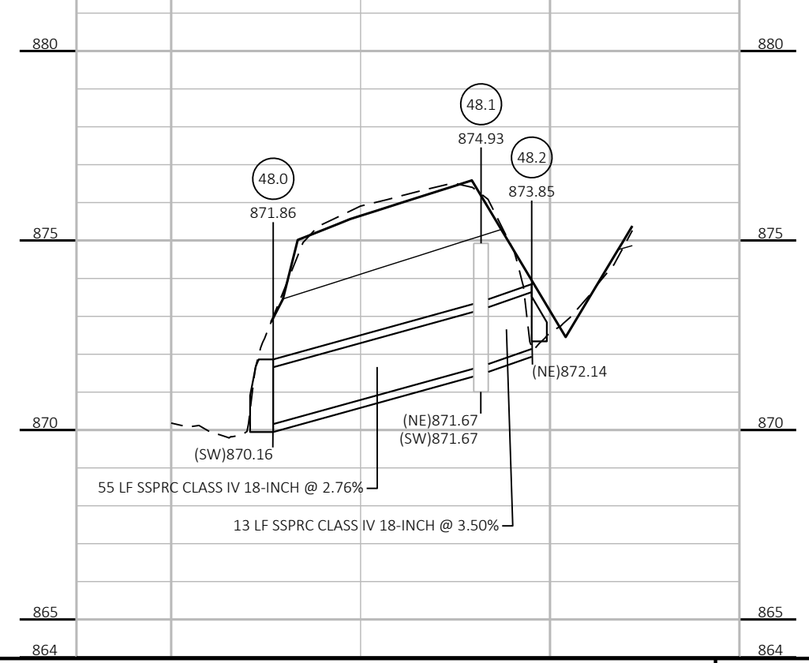


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	**STORM SEWER** - IH 90/94	SHEET 124	E


EXISTING R/W
SI (TYP.)
AT&T
FO
SIGN
44.0
STA 1019+06.60'WB', 51.5' LT
APRON ENDWALLS FOR CPRC 24-INCH
WESTBOUND IH 90/94
1018WB
1019WB
1020WB
44.1
STA 1019+07.86'WB', 18.8' RT
STAGE 3A-CONNECT TO EXISTING INLET
STAGE 4-REMOVING INLETS
CONCRETE COLLARS FOR PIPE REQ'D
44.2
STA 1019+08.38'WB', 48.4' RT
INLETS MEDIAN 1G-MS
1018EB
1019EB
1020EB
EASTBOUND IH 90/94


EXISTING R/W
SEE "PLAN - STAGE 4" PLAN SHEETS FOR
CULVERT & STORM SEWER REMOVALS
SI (TYP.)
SIGN
48.0
STA 1027+66.25'WB', 46.4' LT
APRON ENDWALLS FOR CPRC 18-INCH
48.1
STA 1027+63.35'WB', 8.4' RT
STAGE 3B-CONNECT TO EXISTING INLET
STAGE 4-REMOVING INLETS
CONCRETE COLLARS FOR PIPE REQ'D
WESTBOUND IH 90/94
1027WB
1028WB
1029WB
48.2
STA 1027+62.59'WB', 21.8' RT
APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 6 TO 1
1027EB
1028EB
1029EB
EASTBOUND IH 90/94


44.1
871.93
44.2
870.31
44.0
867.34
875
870
865
860
70 LF SSPRC CLASS IV 24-INCH @ 3.22%
(NE)868.33
(NE)867.35
(SW)867.35
(SW)865.09
30 LF SSPRC CLASS IV 18-INCH @ 3.28%


880
875
870
865
864
48.1
874.93
48.2
873.85
48.0
871.86
(NE)872.14
(NE)871.67
(SW)871.67
(SW)870.16
55 LF SSPRC CLASS IV 18-INCH @ 2.76%
13 LF SSPRC CLASS IV 18-INCH @ 3.50%

2

2

N

WEST 90 MILE 68 .4

M1-02
MOVE TO MEDIAN
IN STAGE 4

SPEED LIMIT 70

R1-01
REMOVE

936WB 938WB 940WB 942WB 944WB WESTBOUND IH 90/94 946WB 948WB

936EB 938EB 940EB 942EB 944EB 946EB 948EB

EASTBOUND IH 90/94

MATCH LINE
STA 950+00EB

SIGN

SIGN

SIGN

EAST 90 MILE 68 .4

M1-01
MOVE TO MEDIAN
IN STAGE 4

FOOD - NEXT RIGHT

M1-03
MOVE BY OTHERS

MH

INL

W

SIGN REMOVAL LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
ETR	EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 126	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023201-es

PLOT DATE : 10/27/2021 6:37 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

WEST 90 MILE 68 .6

M2-03

MOVE TO MEDIAN IN STAGE 4

WEST 90 MILE 68 .8

M2-06

MOVE TO MEDIAN IN STAGE 4

CTH G

POST

CS

SEPTIC

SEPV

SEPC

MATCH LINE STA 950+00EB

MATCH LINE STA 965+00EB

952WB 954WB 956WB 958WB 960WB 962WB 964WB

WESTBOUND IH 90/94

952EB 954EB 956EB 958EB 960EB 962EB 964EB

EASTBOUND IH 90/94

BP: 964+00.00C

EAST 90 MILE 68 .6

M2-02

MOVE TO MEDIAN IN STAGE 4

WESTERN TECHNICAL COLLEGE MAUSTON CAMPUS EXIT 69

R2-03

REMOVE

SIGN

GAS-EXIT 69

HOSPITAL

M2-04

MOVE BY OTHERS

EAST 90 MILE 68 .6

M2-05

MOVE TO MEDIAN IN STAGE 4

D9-2

H

R2-01

REMOVE

SIGN

EXIT 69

82

Mauston

Oxford

R2-02

REMOVE

SIGN REMOVAL LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
ETR	EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 127	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023202-es

PLOT DATE : 10/27/2021 6:38 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

WEST
90
MILE
69
.0

M3-02
MOVE TO MEDIAN
IN STAGE 4

BP: 971+00.00B

WESTBOUND ON RAMP 'B'

966WB 968WB 970WB 972WB 974WB 976WB 978WB 980

WESTBOUND IH 90/94

966EB 968EB 970EB 972EB 974EB 976EB 978EB 980

EASTBOUND IH 90/94

966C 968C 970C 972C 974C 976C 978C 980C

EASTBOUND OFF RAMP 'C'

MATCH LINE
STA 965+00EB

MATCH LINE
STA 980+00EB

R3-06
REMOVE

R3-01
REMOVE

M3-01
MOVE TO MEDIAN
IN STAGE 4

R3-03
REMOVE

R3-02
REMOVE

M3-03
MOVE BY OTHERS

R3-04
REMOVE

R3-05
REMOVE

M3-04
MOVE BY OTHERS

M3-05
MOVE BY OTHERS

R3-07
REMOVE

M3-06
MOVE BY OTHERS

R3-08
REMOVE

EXIT 69

EAST 82 | WEST 82

NO PARKING ON RAMP

WESTERN TECH COLLEGE

ATTRACTION

LODGING

FOOD

OXFORD MAUSTON

GAS

BUCKHORN STATE PARK

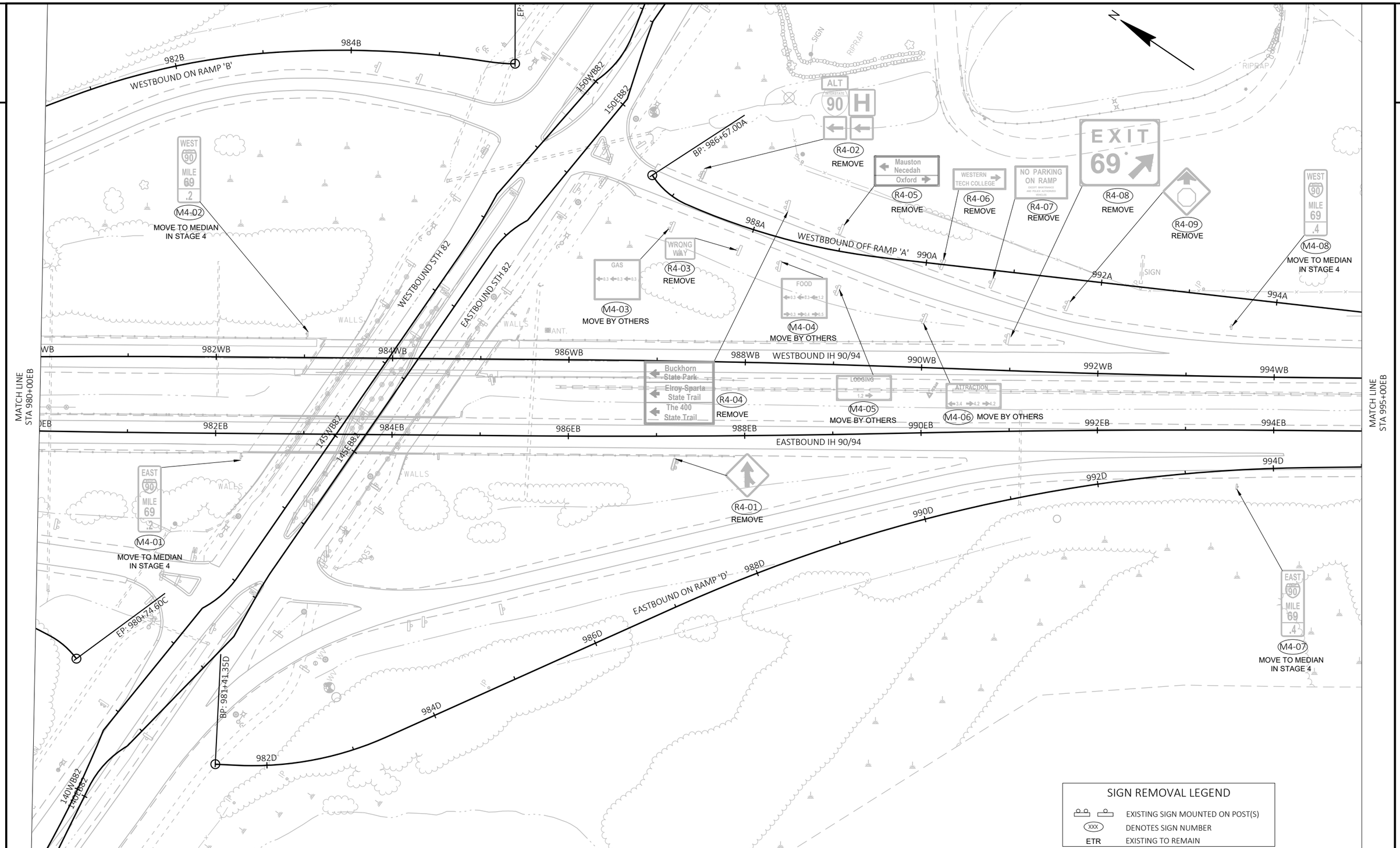
SIGN REMOVAL LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
ETR	EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 128	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023203-es
PLOT DATE : 10/27/2021 6:38 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 129	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023204-es

PLOT DATE : 10/27/2021 6:38 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

EXIT 69
82
Mauston
Oxford

R5-01
REMOVE

R5-02
REMOVE

EP: 1000+00.00A

WEST
90
MILE
69
.6

M5-02
MOVE TO MEDIAN
IN STAGE 4

WESTBOUND OFF RAMP 'A'

996A

998A

MATCH LINE
STA 995+00EB

996WB

998WB

1000WB

WESTBOUND IH 90/94

1002WB

1004WB

1006WB

1008WB

1010

EP: 997+40.06D

996EB

998EB

1000EB

1002EB

1004EB

1006EB

1008EB

101

MATCH LINE
STA 1010+00EB

EASTBOUND IH 90/94

996D

SIGN

SLOWER
TRAFFIC
KEEP
RIGHT

R5-03
REMOVE

EAST
90
MILE
69
.6

M5-01
MOVE TO MEDIAN
IN STAGE 4

EAST
90

EAST
94

R5-04
REMOVE

SIGN REMOVAL LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
ETR	EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 130	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023205-es

PLOT DATE : 10/27/2021 6:39 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

Elroy-Sparta State Trail
The "400" State Trail
EXIT 61

M6-01
MOVE

LEMONWEIR RIVER

WEST 90 MILE 69 .8

M6-03
MOVE TO MEDIAN IN STAGE 4

Western Technical College Mauston Campus
EXIT 69

R6-01
REMOVE

WEST 90 MILE 70 .0

M6-05
MOVE TO MEDIAN IN STAGE 4

MATCH LINE STA 1010+00EB

MATCH LINE STA 1025+00EB

RIPRAP

SIGN

1012WB 1014WB 1016WB 1018WB WESTBOUND IH 90/94 1020WB 1022WB 1024WB

1012EB 1014EB 1016EB 1018EB EASTBOUND IH 90/94 1020EB 1022EB 1024EB

EAST 90 MILE 69 .8

M6-02
MOVE TO MEDIAN IN STAGE 4

EAST 90 MILE 70 .0

M6-04
MOVE TO MEDIAN IN STAGE 4

SIGN REMOVAL LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
ETR	EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 131	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023206-es

PLOT DATE : 10/27/2021 6:39 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

GAS-NEXT RIGHT
HOSPITAL
M7-02
MOVE BY OTHERS

WEST 90 MILE 70 .2
M7-04
MOVE TO MEDIAN
IN STAGE 4

SLOWER TRAFFIC KEEP RIGHT
M7-06
LOCATED AT STA 1049+00WB RT
MOVE TO STA 1038+00WB RT IN
STAGE 4

MATCH LINE
STA 1025+00EB

1026WB 1028WB 1030WB WESTBOUND IH 90/94 1032WB 1034WB 1036WB

1026EB 1028EB 1030EB 1032EB 1034EB 1036EB

EASTBOUND IH 90/94

SPEED LIMIT 70
M7-01
MOVE

Lyndon Station 8
Wis Dells 16
Madison 69
ETR

SIGN

EAST 90 MILE 70 .2
M7-03
MOVE TO MEDIAN
IN STAGE 4

EAST 90 MILE 70 .4
M7-05
LOCATED AT STA
1045+36EB RT
MOVE TO MEDIAN
IN STAGE 4

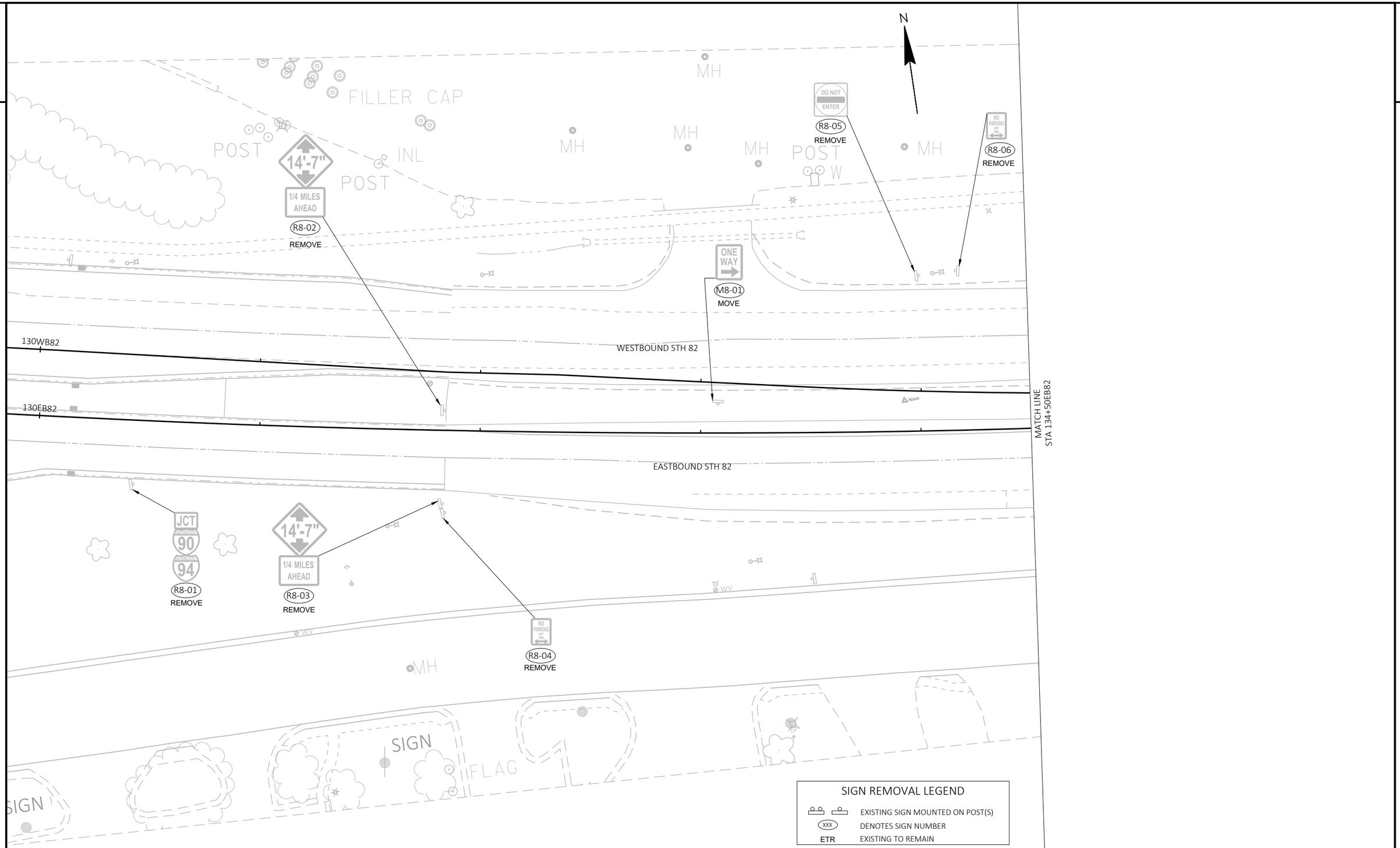
SIGN REMOVAL LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
ETR	EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 132	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023207-es
PLOT DATE : 10/27/2021 6:39 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 133	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023208-es

PLOT DATE : 10/27/2021 6:40 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SIGN

R9-02
REMOVE

SIGN

SPEED LIMIT 35
R9-05
REMOVE

MATCH LINE
STA 134+50EB82

WESTBOUND STH 82

135WB82

135EB82

MATCH LINE
STA 139+50EB82

EASTBOUND STH 82

STOP
ETR

NO PARKING ANY TIME
R9-01
REMOVE

SPEED LIMIT 45
R9-03
REMOVE

NO PARKING BIKE LANE
ETR

NO PARKING ANY TIME
R9-04
REMOVE

NO MOTORIZED VEHICLES ALLOWED
ETR

Tomah
Oxford
Madison
R9-06
REMOVE

SIGN

POST

SIGN

IP

IP

SIGN REMOVAL LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
ETR	EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 134	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023209-es

PLOT DATE : 10/27/2021 6:40 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

980C

EASTBOUND OFF RAMP 'C'

EP: 980+74.60C

982EB

EASTBOUND IH 90/94

WEST ALT ALT 82 90 94

R10-04 REMOVE

Mauston POPULATION 4,423

R10-01 REMOVE

SIGN

DO NOT ENTER

R10-05 REMOVE

STOP

R10-06 REMOVE

R10-08 REMOVE

STOP DIVIDED HIGHWAY

R10-09 REMOVE

STOP

R10-13 REMOVE

EAST WEST 82 82

R10-14 REMOVE

REMOVE

R10-22

DO NOT ENTER

R10-15 REMOVE

DO NOT ENTER

WALL

ALT 90

R10-07 REMOVE

DO NOT ENTER

R10-16 REMOVE

R10-20 REMOVE

WESTBOUND STH 82

140WB82

140EB82

MATCH LINE STA 139+50EB82

MATCH LINE STA 145+00EB82

145

145

EAST 82

R10-18 REMOVE

STOP

R10-17 REMOVE

EASTBOUND STH 82

Tomah

R10-27 REMOVE

PATH NARROWS

R10-24 REMOVE

14'-7"

R10-23 REMOVE

WEST 90 94

R10-25 REMOVE

EAST 82

R10-26 REMOVE

ONE WAY

R10-19 REMOVE

14'-7"

R10-21 REMOVE

R10-12 REMOVE

BP: 981+41.35D

RAMP 25 MPH

R10-02 REMOVE

WRONG WAY

R10-03 REMOVE

EAST EAST 90 94

R10-11 REMOVE

WV

STOP

R10-10 REMOVE

982D

EASTBOUND ON RAMP 'D'

SIGN REMOVAL LEGEND

EXISTING SIGN MOUNTED ON POST(S)

XXX DENOTES SIGN NUMBER

ETR EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 135	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023210-es

PLOT DATE : 10/27/2021 6:40 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SIGN REMOVAL LEGEND

EXISTING SIGN MOUNTED ON POST(S)

XXX DENOTES SIGN NUMBER

ETR EXISTING TO REMAIN

N

WB

WALLS

WEST 82 — R11-04 REMOVE

15-6" — R11-09 REMOVE

15'-6" — R11-08 REMOVE

EAST EAST 90 94 — R11-12 REMOVE

Buisness District — R11-16 REMOVE

ONE WAY — R11-17 REMOVE

WEST WEST 90 94 — R11-26 REMOVE

DO NOT ENTER — R11-25 REMOVE

WESTBOUND ON RAMP 'B'

EP: 985+86.6

Madison — R11-03 REMOVE

WRONG WAY — R11-01 REMOVE

REMOVE

WESTBOUND STH 82

WB82

984WB

MATCH LINE STA 145+00SB82

WRONG WAY — R11-07 REMOVE

R11-13 REMOVE

R11-24 REMOVE

150WB82

MATCH LINE STA 150+50EB82

EASTBOUND STH 82

150EB82

984EB

EAST 90 94 — R11-02 REMOVE

WEST 90 94 — R11-06 REMOVE

PATH NARROWS — R11-05 REMOVE

WRONG WAY — R11-10 REMOVE

WEST 90 94 — R11-11 REMOVE

R11-14 REMOVE

DO NOT ENTER — R11-15 REMOVE

DO NOT ENTER — R11-18 REMOVE

STOP — R11-19 REMOVE

STOP — R11-20 REMOVE

WESTBOUND IH 90/94

EASTBOUND IH 90/94

986WB

986EB

BP: 986+67.00A

WESTBOUND OFF RAMP 'A'

WEST EAST 82 82 — R11-22 REMOVE

STOP — R11-23 REMOVE

STOP DIVIDED HIGHWAY — R11-21 REMOVE

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 136	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023211-es

PLOT DATE : 10/27/2021 6:41 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

WRONG WAY
R12-01
REMOVE

15-6"
500 FT AHEAD
R12-03
REMOVE

15-6"
500 FT AHEAD
R12-05
REMOVE

Madison
Mauston
Tomah
R12-09
REMOVE

SPEED LIMIT 45
R12-12
REMOVE

WESTBOUND STH 82

155WB82

DIVIDED HIGHWAY
R12-08
REMOVE

R12-10
REMOVE

155EB82

EASTBOUND STH 82

MATCH LINE
STA 150+50EB82

MATCH LINE
STA 156+00EB82

EAST
82
40 TON BRIDGE
9 MILES AHEAD
R12-02
REMOVE

EAST
82
40 TON BRIDGE
9 MILES AHEAD
R12-04
REMOVE

SPEED LIMIT 45
R12-06
REMOVE

AHEAD
R12-07
REMOVE

WESTERN TECH COLLEGE
R12-11
REMOVE

SIGN REMOVAL LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
ETR	EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 137	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023212-es

PLOT DATE : 10/27/2021 6:41 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

COMMERCIAL STREET

SIGN

SIGN

SIGN

SIGN

POST

POST

POST

POST

POST

POST

POST

POST

POST

POST

POST

POST

G.P.

G.P.

G.P.

G.P.

G.P.

G.P.

G.P.

G.P.

G.P.

G.P.

WV

WV

GV

WEST

INTERSTATE

90

INTERSTATE

94

R13-04

REMOVE

STOP

ETR

R13-06

REMOVE

STOP

DIVIDED HIGHWAY

R13-08

REMOVE

WESTBOUND STH 82

160WB82

STOP

ETR

ONLY

ETR

WESTERN TECH COLLEGE

ETR

MATCH LINE
STA 156+00EB82

R13-07

REMOVE

R13-09

REMOVE

160EB82

MATCH LINE
STA 161+50EB82

EASTBOUND STH 82

ONE WAY

R13-02

REMOVE

YIELD

R13-01

REMOVE

YIELD

R13-03

REMOVE

RIPRAP

SIGN

R13-05

REMOVE

YIELD

ETR

IP

IP

R13-10

REMOVE

MWEL

MWEL

SIGN REMOVAL LEGEND

EXISTING SIGN MOUNTED ON POST(S)

XXX DENOTES SIGN NUMBER

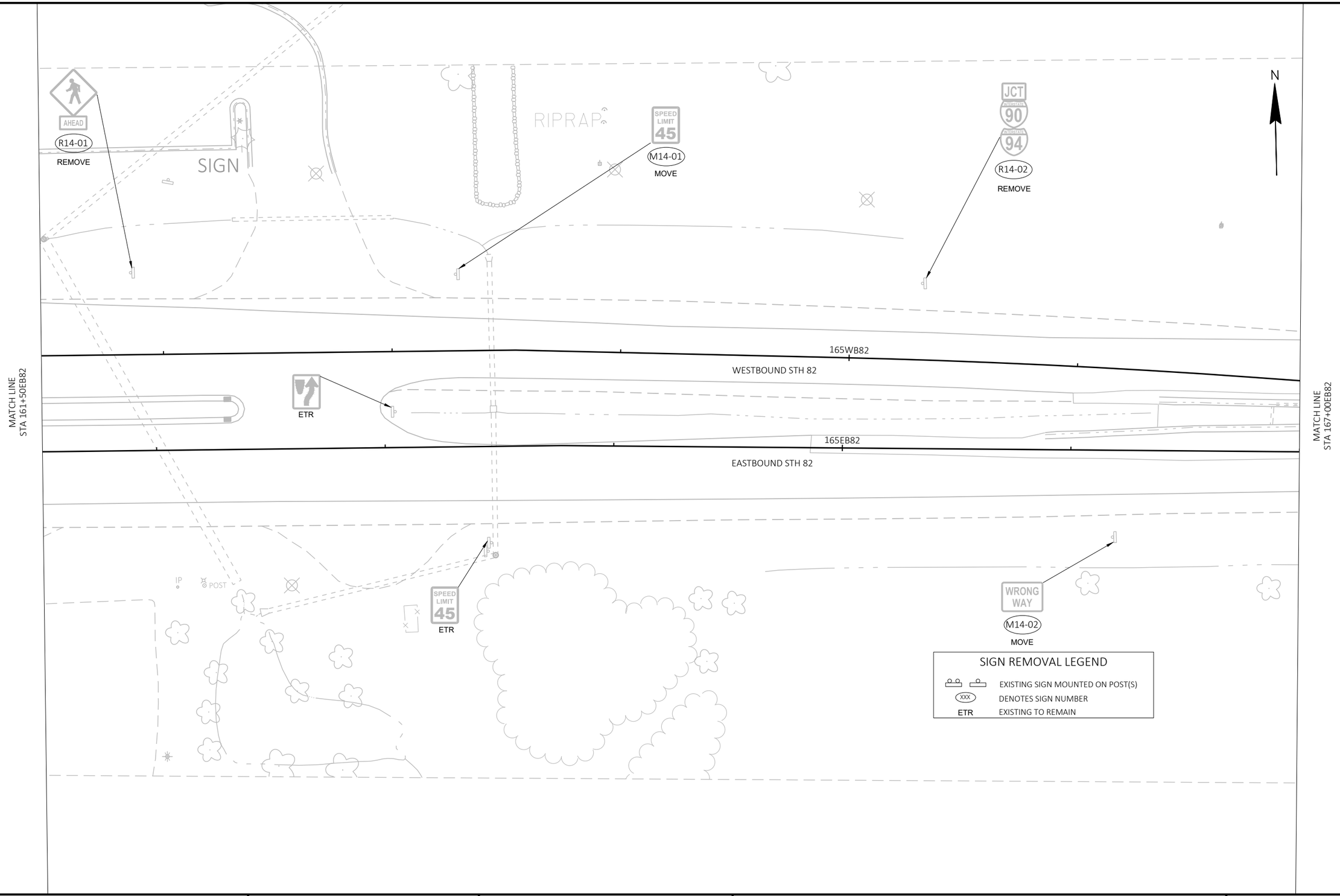
ETR EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 138	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023213-es

PLOT DATE : 10/27/2021 6:41 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



SIGN REMOVAL LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
ETR	EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 139	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023214-es
PLOT DATE : 10/27/2021 6:42 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

ETR

STOP

ETR

LODGE LANE

SIGN

MATCH LINE
STA 167+00EB82

WESTBOUND STH 82

170WB82

170EB82

EP: 170+74.06WB82

EASTBOUND STH 82

MATCH LINE
STA 172+00EB82

ETR

ETR

M15-01

MOVE

DO NOT
ENTER

M15-02

MOVE

SIGN REMOVAL LEGEND

EXISTING SIGN MOUNTED ON POST(S)

XXX DENOTES SIGN NUMBER

ETR EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 140	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023215-es

PLOT DATE : 10/27/2021 6:42 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

POWERS AVENUE

SPEED LIMIT 45
ETR

STOP
ETR

SIGN
M16-01
MOVE

IP

IP

MATCH LINE
STA 172+00EB82

175EB82

STH 82

Oxford 23
ETR

ADOPT A HIGHWAY
ETR

SIGN REMOVAL LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER
ETR	EXISTING TO REMAIN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	EXISTING SIGNING	SHEET 141	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023201-PS.DWG
LAYOUT NAME - 023216-es

PLOT DATE : 10/27/2021 6:42 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

* PLACE 200-FT DOWNSTREAM OF DESTINATION/DISTANCE GUIDE SIGN

N

SLOWER TRAFFIC KEEP RIGHT *
R4-3
48"X60"
01-01

SPEED LIMIT 70
R2-1
48"X60"
01-02

WEST INTERSTATE 90 WEST INTERSTATE 94
J4-2
72"X54"
01-05

WEST 90 MILE 68 .4
M1-02
RELOCATED

1000'

500'

WESTBOUND IH 90/94

936+00WB | 938+00WB | 940+00WB | 942+00WB | 944+00WB | 946+00WB | 948+00WB

936+00EB | 938+00EB | 940+00EB | 942+00EB | 944+00EB | 946+00EB | 948+00EB

EASTBOUND IH 90/94

MATCHLINE STA. 950+00.00

800'

SIGN

SIGN

EAST 90 MILE 68 .4
M1-01
RELOCATED

01-03
01-04
R3-4B
36"X48"

FOOD - NEXT RIGHT
RELOCATED BY OTHERS
M1-03

GAS-EXIT 69
HOSPITAL
RELOCATED BY OTHERS
M2-04

HOSPITAL EXIT 69
E10-61
144"X54"
01-06

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 142	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023201-ps
PLOT DATE : 10/27/2021 6:44 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

MATCHLINE STA. 950+00.00

MATCH LINE STA 965+00EB

WEST 90 MILE 68 .6
M2-03
RELOCATED

WEST 90 MILE 68 .8
M2-06
RELOCATED

CTH G

WESTBOUND IH 90/94

952+00WB 954+00WB 956+00WB 958+00WB 960+00WB 962+00WB 964+00WB

952+00EB 954+00EB 956+00EB 958+00EB 960+00EB 962+00EB 964+00EB

EASTBOUND IH 90/94

SIGN

EAST 90 MILE 68 .6
M2-02
RELOCATED

EXIT 69
82
Mauston
Oxford
E1-5P, E4-1A
204"X162"
02-01

RIGHT LANE MUST EXIT
R3-33R
78"X36"
02-02

SIGN

EAST 90 MILE 68 .6
M2-05
RELOCATED

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 143	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023202-ps

PLOT DATE : 10/27/2021 6:44 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

WEST 90 MILE 69 .0
M3-02
RELOCATED

WESTBOUND ON RAMP 'B'

980B
978B
976B
974B
972B

ATTRACTION
M3-03
RELOCATED BY OTHERS

LODGING
M3-04
RELOCATED BY OTHERS

FOOD
M3-05
RELOCATED BY OTHERS

WESTBOUND IH 90/94

966+00WB 968+00WB 970+00WB 972+00WB 974+00WB 976+00WB 978+00WB 980+

MATCH LINE
STA 965+00EB

966+00EB 968+00EB 970+00EB 972+00EB 974+00EB 976+00EB 978+00EB 980+

MATCH LINE
STA 980+00EB

EASTBOUND IH 90/94

966C 968C 970C 972C 974C 976C 978C 980C

EASTBOUND OFF RAMP 'C'

GAS
M3-06
RELOCATED BY OTHERS

EAST 90 MILE 69 .0
M3-01
RELOCATED

EXIT 69
E5-1A
72"X60"
03-01

SIGN POST

W2-6
36"X36"
03-02
03-03

15 MPH
W13-1
24"X24"

NO PARKING ON RAMP
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
R7-64
48"X30"
03-04

EAST 82 WEST 82
D1-62
96"X42"
03-05

Oxford
Meuston
D1-2
66"X30"
03-06

Buckhorn State Park
D7-68R
54"X36"
03-08

ALTERNATE
ALTERNATE 90
ALTERNATE 94
H
D9-2
J3-2
48"X81"
03-09

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 144	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023203-ps

PLOT DATE : 10/27/2021 6:45 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 980+00EB

MATCH LINE STA 995+00EB

WESTBOUND ON RAMP 'B'

WESTBOUND IH 90/94

EASTBOUND IH 90/94

EASTBOUND ON RAMP 'D'

WESTBOUND OFF RAMP 'A'

984B

982B

988A

990A

992A

994A

994D

992D

990D

988D

986D

984D

982D

NO PARKING ON RAMP
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
R7-64
48"X30"
04-03

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED
R5-57
36"X36"
04-04

RAMP CLOSURE GATES 37-FT

RAMP CLOSURE GATES 40-FT

ALTERNATE INTERSTATE 90 INTERSTATE 94 H
J3-2
48"X81"
04-05

Buckhorn State Park
Elroy-Sparta State Trail
The "400" State Trail
D9-2
78"X72"
04-06

Business District
D1-56SL
66"X24"
04-07

Mauston
Oxford
D1-2
66"X30"
04-08

EXIT 69
E5-1A
72"X60"
04-09

WEST 82 EAST 82
D1-62
96"X42"
04-10

EAST 90 MILE 69 .2
M4-01
RELOCATED

W4-1R
48"X48"
04-02

WEST 90 MILE 69 .2
M4-02
RELOCATED

GAS
M4-03
RELOCATED BY OTHERS

FOOD
M4-04
RELOCATED BY OTHERS

LODGING
M4-05
RELOCATED BY OTHERS

ATTRACTION
M4-06
RELOCATED BY OTHERS

EAST 90 MILE 69 .4
M4-07
RELOCATED

WEST 90 MILE 69 .4
M4-08
RELOCATED

W4-1R
48"X48"
04-01

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED
R5-57
36"X36"
04-11

NO PARKING ON RAMP
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
R7-64
48"X30"
04-12

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 145 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023204-ps

PLOT DATE : 10/27/2021 6:45 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

NO PARKING ON RAMP
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
R7-64
48"X30"
05-01

W2-6
36"X36"
15 MPH
W13-1
24"X24"
05-02
05-03

RIGHT LANE MUST EXIT
R3-33R
78"X36"
05-04

EXIT 69
82
Mauston
Oxford
E1-5P, E4-1A
204"X162"
05-05

MATCH LINE STA 995+00EB

996A
998A
996+00WB
998+00WB
1000+00WB
1002+00WB
1004+00WB
1006+00WB
1008+00WB
1010+
WESTBOUND IH 90/94

996+00EB
998+00EB
1000+00EB
1002+00EB
1004+00EB
1006+00EB
1008+00EB
1010+
EASTBOUND IH 90/94
996D

MATCH LINE STA 1010+00EB

EAST 90 MILE 69 .6
M5-01
RELOCATED

WEST 90 MILE 69 .6
M5-02
RELOCATED

EAST INTERSTATE 90 EAST INTERSTATE 94
J4-2
72"X54"
05-06

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 146	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023205-ps
PLOT DATE : 10/27/2021 6:46 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

WEST 90 MILE 69 .8
M6-03
RELOCATED

Elroy-Sparta State Trail
The "400" State Trail
EXIT 61
M6-01
RELOCATED

WEST 90 MILE 70 .0
M6-06
RELOCATED

SIGN

MATCH LINE STA 1010+00EB

MATCH LINE STA 1025+00EB

00WB
1012+00WB
1014+00WB
1016+00WB
1018+00WB
1020+00WB
1022+00WB
1024+00WB
WESTBOUND IH 90/94

00EB
1012+00EB
1014+00EB
1016+00EB
1018+00EB
1020+00EB
1022+00EB
1024+00EB
EASTBOUND IH 90/94

RIPRAP

EAST 90 MILE 69 .8
M6-02
RELOCATED

SPEED LIMIT 70
M7-01
RELOCATED

EAST 90 MILE 70 .0
M6-05
RELOCATED

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 147	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023206-ps

PLOT DATE : 10/27/2021 6:46 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

HOSPITAL
EXIT 69

E10-61
144"X54"
07-02

GAS-NEXT RIGHT
HOSPITAL
M7-02
RELOCATED BY OTHERS

WEST 90 MILE 70 .2
M7-04
RELOCATED

SLOWER TRAFFIC KEEP RIGHT
M7-06
RELOCATED TO
STA 1038+00WB RT

SIGN

1026+00WB
1028+00WB
WESTBOUND IH 90/94
1030+00WB
1032+00WB
1034+00WB
1036+00WB

MATCH LINE
STA 1025+00EB

1026+00EB
1028+00EB
1030+00EB
1032+00EB
1034+00EB
1036+00EB
EASTBOUND IH 90/94

Lyndon Station	8
Wis Dells	16
Madison	69

ETR

SLOWER TRAFFIC KEEP RIGHT
R4-3
48"X60"
07-01

SIGN

EAST 90 MILE 70 .2
M7-03
RELOCATED

EAST 90 MILE 70 .4
M7-05
RELOCATED
STA 1045+36EB

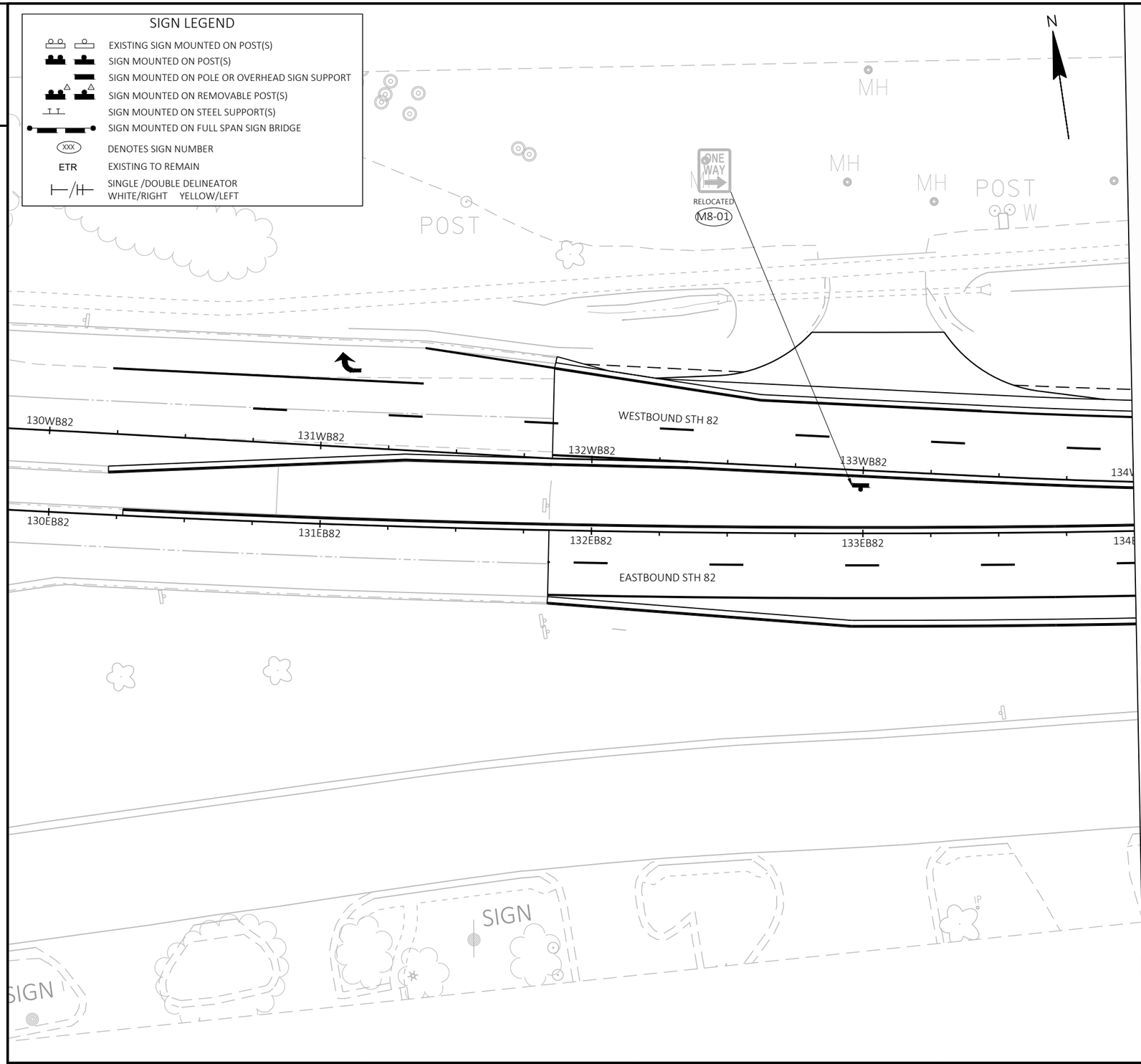
SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 148	E

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT



2

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 149	E

2

2

N

SIGN

MH

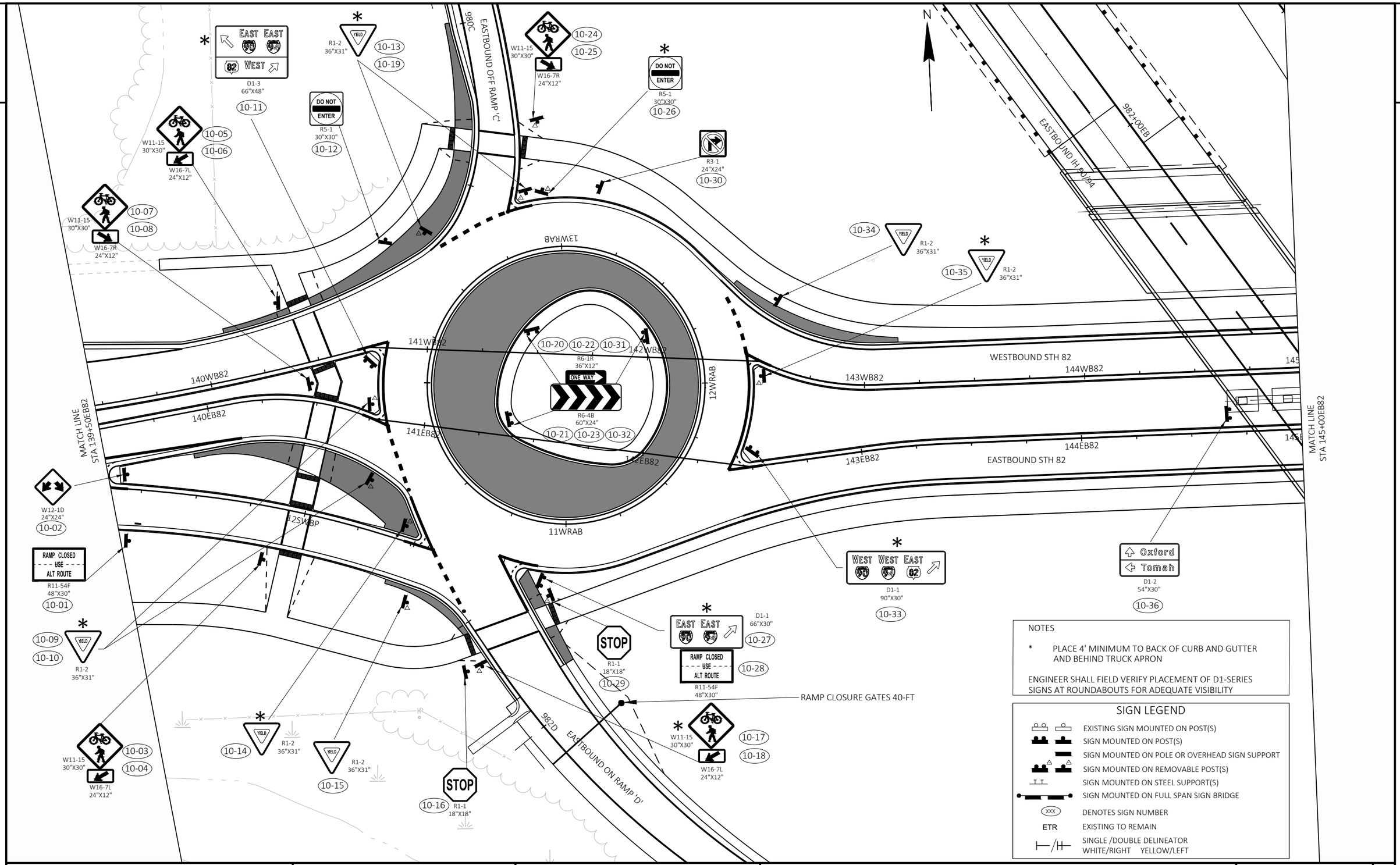
SIGN

SIGN

IP

IP

IP



NOTES

* PLACE 4' MINIMUM TO BACK OF CURB AND GUTTER AND BEHIND TRUCK APRON

ENGINEER SHALL FIELD VERIFY PLACEMENT OF D1-SERIES SIGNS AT ROUNDABOUTS FOR ADEQUATE VISIBILITY

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- ETR EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 151	E

N

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

NOTES

* PLACE 4' MINIMUM TO BACK OF CURB AND GUTTER AND BEHIND TRUCK APRON

ENGINEER SHALL FIELD VERIFY PLACEMENT OF D1-SERIES SIGNS AT ROUNDABOUTS FOR ADEQUATE VISIBILITY

MATCH LINE STA 145+00EB82

MATCH LINE STA 150+50EB82

WESTBOUND STH 82

EASTBOUND STH 82

984+90WB

984+90EB

986+00WB

986+00EB

EASTBOUND IH 90/94

WESTBOUND IH 90/94

WESTBOUND ON RAMP 'B'

WESTBOUND OFF RAMP 'A'

12ERAB

11ERAB

13ERAB

RAMP CLOSURE GATES 37-FT

D1-2 66"X30" — Mauston / Madison — 11-01

JV 24"X81" — ALTERNATE INTERSTATE 90 / INTERSTATE 94 — 11-02

D1-1 90"X30" — EAST EAST WEST (90 94 82) — 11-03

D1-1 66"X30" — WEST WEST (90 94) — RAMP CLOSED / USE / ALT ROUTE — R11-54F 48"X30" — 11-09 / 11-10

R1-2 36"X31" — YIELD — 11-04

R1-2 36"X31" — YIELD — 11-05

R3-1 24"X24" — 11-08

R5-1 30"X30" — DO NOT ENTER — 11-17

R1-2 36"X31" — YIELD — 11-18 / 11-22

R1-1 18"X18" — STOP — 11-19

W11-15 30"X30" — W16-7R 24"X12" — 11-20 / 11-21

R6-1R 36"X12" — ONE WAY — 11-06 / 11-13 / 11-15

R6-4B 60"X24" — 11-07 / 11-14 / 11-16

W11-15 30"X30" — W16-7R 24"X12" — 11-11 / 11-12

R1-2 36"X31" — YIELD — 11-23 / 11-24 / 11-25 / 11-27

W11-15 30"X30" — W16-7R 24"X12" — 11-29 / 11-30

W11-15 30"X30" — W16-7L 24"X12" — 11-31 / 11-32

R5-1 30"X30" — DO NOT ENTER — 11-26

R1-1 18"X18" — STOP — 11-22

D1-3 72"X48" — WEST WEST (90 94) / 82 EAST — 11-28

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 152	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023211-ps

PLOT DATE : 10/27/2021 6:48 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

WEST 90 WEST 94
Tomah
ONLY

E6-54R
96"X102"
12-11

EAST 90 EAST 94 WEST 82
Madison
Mauston

E6-54A
108"X120"
12-10

W11-15
30"X30"
12-03

W16-7L
24"X12"
12-04

W12-1D
24"X24"
12-05

RAMP CLOSED
USE
ALT ROUTE

R11-54F
48"X30"
12-06

ONLY

R3-8AR (MOD)
48"X36"
12-12

S-29-0012

ONE WAY

R6-2R
36"X48"
12-13

Woodside Ranch

42"X21"
12-14

TO EAST 82

J32-1
24"X69"
12-17

RIGHT TURN ONLY

R3-53R
24"X30"
12-20

ONE WAY

R6-1R
54"X18"
12-18

STOP

R1-1
36"X36"
12-19

R4-7
24"X30"
12-21 12-22

DO NOT ENTER

R5-1
36"X36"
12-25

15 MPH

W13-1
24"X24"
12-28 12-30
12-29 12-31

W2-6
36"X36"

11NEBP

12NEBP

151WB82

152WB82

153WB82

154WB82

WESTBOUND STH 82

155WB82

W12-1D
24"X24"
12-23

MATCH LINE
STA 150+50EB82

151EB82

152EB82

153EB82

154EB82

EASTBOUND STH 82

155EB82

MATCH LINE
STA 156+00EB82

BEGIN LEFT TURN LANE

R3-20L
24"X36"
12-01

EAST 82

J4-1
24"X36"
12-02

Commercial St
Western Tech College
SECOND LEFT

84"X45"
12-07

LEFT LANE MUST TURN LEFT

R3-7L
36"X36"
12-08

ONLY

R3-8AR (MOD)
48"X36"
12-09

DO NOT ENTER

R5-1
36"X36"
12-15

SPEED LIMIT 45

R2-1
36"X48"
12-16

LEFT LANE MUST TURN LEFT

R3-7L
36"X36"
12-24

ONLY ONLY

R3-8LA
48"X36"
12-26

WRONG WAY

R5-1A
42"X30"
12-27

SIGN

SIGN

SIGN

SIGN

WELL

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR — WHITE/RIGHT YELLOW/LEFT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 153	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023212-ps

PLOT DATE : 10/27/2021 6:49 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

COMMERCIAL STREET

SIGN

SIGN

SIGN

POST

POST

POST

2

2

N

RIPRAP

SIGN

IP

ONLY ONLY ONLY
R3-8LAR
72"X36"
14-01

DO NOT ENTER
R5-1
36"X36"
14-04

SPEED LIMIT 45
RELOCATED
M14-01

WRONG WAY
R5-1A
42"X30"
14-05

162WB82 163WB82 164WB82 165WB82 166WB82

WESTBOUND STH 82

R4-7
36"X48"
14-02

ETR

MATCH LINE
STA 161+50EB82

162EB82 163EB82 164EB82 165EB82 166EB82

EASTBOUND STH 82

MATCH LINE
STA 167+00EB82

ONE WAY
R6-2L
36"X48"
14-03

SPEED LIMIT 45
ETR

WRONG WAY
RELOCATED
M14-02

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 155	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023214-ps
PLOT DATE : 10/27/2021 6:50 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

LODGE LANE

STOP
ETR

DIVIDED HIGHWAY
R6-3A
30"X24"
15-02

DO NOT ENTER
R5-1
30"X30"
15-04

IP

WB82

168WB82

WESTBOUND STH 82

169WB82

170WB82

MATCH LINE
STA 167+00EB82

168EB82

169EB82

170EB82

171EB82

172EB82

EASTBOUND STH 82

MATCH LINE
STA 172+50EB82

W6-2
36"X36"
15-01

ONE WAY
R6-2L
24"X30"
15-03

ETR

ETR

W5-54
18"X18"
15-05

DO NOT ENTER
RELOCATED
M15-02

Oxford 23
ETR

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 156	E

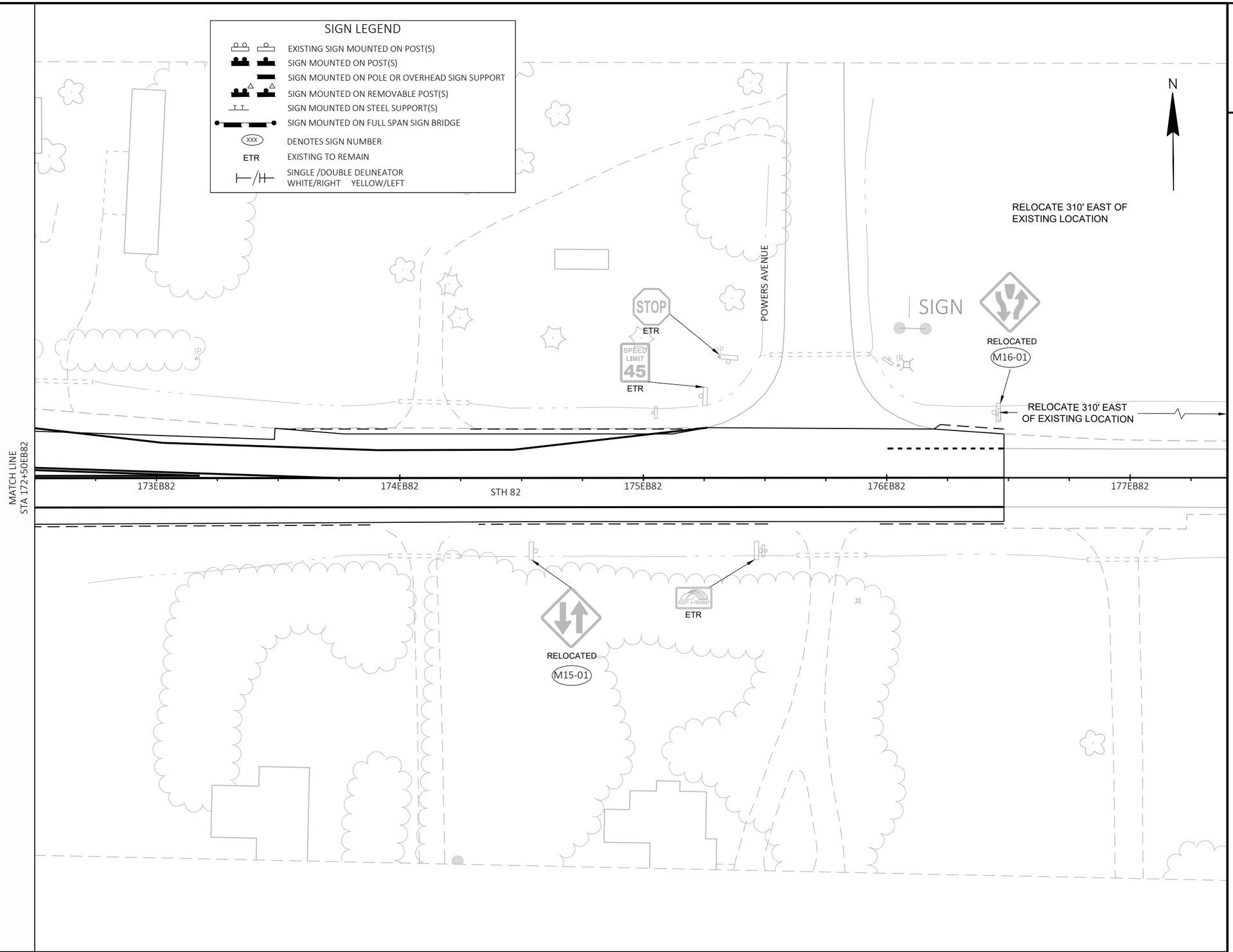
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023215-ps

PLOT DATE : 10/27/2021 6:50 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POST(S)
- SIGN MOUNTED ON POLE OR OVERHEAD SIGN SUPPORT
- SIGN MOUNTED ON REMOVABLE POST(S)
- SIGN MOUNTED ON STEEL SUPPORT(S)
- SIGN MOUNTED ON FULL SPAN SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ETR — EXISTING TO REMAIN
- SINGLE /DOUBLE DELINEATOR WHITE/RIGHT YELLOW/LEFT



2

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET 157	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023202-PS.DWG
LAYOUT NAME - 023216-ps

PLOT DATE : 10/27/2021 6:51 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SIGN

SIGN

132WB82

132EB82

133WB82

133EB82

134WB82

134EB82

135WB82

135EB82

136WB82

136EB82

137WB82

137EB82

138WB82

138EB82

139WB82

139EB82

PB-19
STA. 133+09.15 'EB82', -15.5' LT

PB-18
STA. 135+00.15'EB82', -8.0' LT

PB-17
STA. 136+99.99'EB82', -5.9' LT

PB-16
STA. 138+97.60'EB82', -7.5' LT

LC1 - 24 & 25 - (1,3) & (5,7). A-12
STA. 133+00.14'EB82', -12.3' LT

LC1 - 22 & 23 - (1,3) & (5,7). A-12
STA. 138+85.06'EB82', -6.8' LT

WESTBOUND STH 82

EASTBOUND STH 82

MATCH LINE
STA 139+25EB82

GUY

POST

MH

OH

G

W

SAN

9

16

LEGEND

POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TYPE 4 1/2-INCH CLAMP 6-FT OR 12-FT CONCRETE BASE TYPE 5, TRANSFORMER BASE LED LAMP TYPE A OR C

LUMINARIES UNDERDECK LED (B)

LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)

CONDUIT SPECIAL 2-INCH

PULL BOXES NON-CONDUCTIVE 24X42-INCH

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
LED LAMP TYPE
X-X-(X,X). X-X — ARM LENGTH
STA. XX+XX.XX, XX.XX' RT./LT. ← (LOCATION TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1 2" — 2 12 LIGHT — 1 12 GND

2 2" — 4 12 LIGHT — 2 12 GND

3 2" — 4 10 LIGHT — 2 10 GND

4 2" — 2 12 LIGHT — 1 12 GND — 4 6 LIGHT — 2 6 GND

5 2" — 4 12 LIGHT — 2 12 GND — 4 6 LIGHT — 2 6 GND

6 3" — 8 12 LIGHT — 4 12 GND — 4 6 LIGHT — 2 6 GND

7 2" — 4 6 LIGHT — 2 6 GND

8 2" — 4 8 LIGHT — 2 8 GND — 4 10 LIGHT — 2 10 GND

9 2" — 4 8 LIGHT — 2 8 GND

10 2" — 6 12 LIGHT — 3 12 GND

11 3" — 4 10 LIGHT — 2 10 GND

12 2" — 12 10 LIGHT — 6 10 GND

13 2" — 8 10 LIGHT — 4 10 GND

14 2" — 8 12 LIGHT — 4 12 GND

15 2" — 1 12 TRACER — EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.

16 2" — 8 8 LIGHT — 4 8 GND

17 2" — 4 10 LIGHT — 2 10 GND — 2 12 LIGHT — 1 12 GND

18 2" — 8 6 LIGHT — 4 6 GND

19 2" — 4 6 LIGHT — 2 6 GND — 4 8 LIGHT — 2 8 GND — 24 10 LIGHT — 10 GND

20 2" — 4 10 LIGHT — 2 10 GND — 4 12 LIGHT — 2 12 GND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	LIGHTING PLAN	SHEET 158	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023601-LP.DWG
LAYOUT NAME - 023601-lp

PLOT DATE : 9/13/2021 8:18 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

(4) LUMINARIES UNDERDECK LED B PER SDD 10A15 a,b
LC1 - UD-5-8 - (9,11) & (10,12)
STA. 145+09'EB82', -10' LT

(4) LUMINARIES UNDERDECK LED B PER SDD 10A15 a,b
LC1 - UD-1-4 - (9,11) & (10,12)
STA. 146+35'EB82', -10' LT

EASTBOUND IH-90/94

WESTBOUND IH-90/94

PB-6
STA. 147+35.00'EB82', -13.0' LT

PB-7
STA. 146+34.97'EB82', -5.0' LT

LC1 - 8 & 9 - (9,11) & (10,12). C-12
STA. 147+17.00'EB82', -13.1' LT

PB-8
STA. 145+09.28 'EB82', -5.4' LT

PB-41
STA. 12+28.50 'WRAB', 56.8' RT

PB-42
STA. 12+51.49'WRAB', 50.1' RT

LC1 - 26 - (1,3). C-12
STA. 12+50.83'WRAB', 40.1' RT

LC1 - 27 - (5,7). C-6
STA. 13+07.41'WRAB', 31.9' RT

PB-43
STA. 980+36.73'C', -21.9' LT

LC1 - 30 - (5,7). A-12
STA. 978+92.00'C', 18.8' RT

LC1 - 31 - (1,3). A-12
STA. 977+61.76'C', 29.2' RT

EASTBOUND OFF RAMP 'C'

PB-45
STA. 978+92.39 'C', 23.9' RT

PB-46
STA. 977+62.71 'C', 34.4' RT

LC1 - 29 - (1,3). A-12
STA. 980+21.32'C', 13.2' RT

PB-44
STA. 980+26.39'C', 18.8' RT

PB-47
STA. 13+58.84'WRAB', 67.2' RT

LC1 - 28 - (1,3). C-12
STA. 13+60.31'WRAB', 61.2' RT

LC1 - 20 & 21 - (1,3) & (5,7). C-12
STA. 140+40.98'EB82', -7.8' LT

WESTBOUND STH 82

EASTBOUND STH 82

SOUTHWEST BYPASS LANE

MATCH LINE
STA 139+25EB82

LC1 - 10 & 11 - (10,12) & (9,11). C-12
STA. 143+84.70 'EB82', -16.6' LT

PB-9
STA. 143+73.77 'EB82', -7.1' LT

PB-10
STA. 142+88.79 'EB82', -18.6' LT

LC1 - 12 & 13 - (1,3) & (5,7). C-12
STA. 142+75.00 'EB82', -19.9' LT

PB-11
STA. 142+54.53 'EB82', 49.6' RT

LC1 - 14 - (5,7). C-12
STA. 142+49.65 'EB82', 42.9' RT

LC1 - 15 - (1,3). C-12
STA. 11+14.69 'WRAB', 43.7' RT

PB-12
STA. 11+15.28 'WRAB', 50.7' RT

PB-13
STA. 981+67.26 'D', 14.6' RT

LC1 - 18 - (5,7). A-12
STA. 981+60.12 'D', 9.7' RT

LC1 - 19 - (1,3). C-12
STA. 10+57.29 'WRAB', 61.0' RT

PB-14
STA. 10+53.35 'WRAB', 64.9' RT

PB-15
STA. 140+30.98 'EB82', -6.6' LT

LC1 - 17 - (5,7). A-12
STA. 984+11.08'D', 13.4' RT

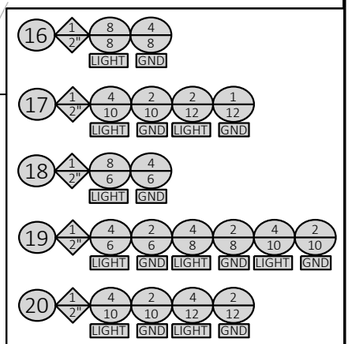
PB-40
STA. 984+11.57'D', 20.9' RT

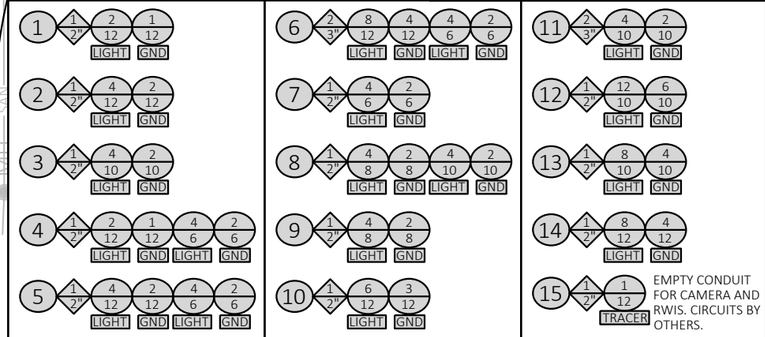
EASTBOUND ON RAMP 'D'

PB-39
STA. 982+83.28 'D', 16.9' RT

LC1 - 16 - (1,3). A-12
STA. 982+83.69 'D', 9.8' RT

N





LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TYPE 4 1/2-INCH CLAMP 6-FT OR 12-FT CONCRETE BASE TYPE 5, TRANSFORMER BASE LED LAMP TYPE A OR C
- LUMINARIES UNDERDECK LED (B)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- CONDUIT SPECIAL 2-INCH
- PULL BOXES NON-CONDUCTIVE 24X42-INCH

X-X-(X,X). X-X — ARM LENGTH
STA. XX+XX.XX, XX.XX' RT./LT. ← (LOCATION TO CENTER OF POLE)

- LIGHTING CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING CIRCUIT(S)
- LED LAMP TYPE

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1/2" 2 2 1 2 LIGHT GND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	LIGHTING PLAN	SHEET 159 E

2

LEGEND

POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TYPE 4 1/2-INCH CLAMP 6-FT OR 12-FT CONCRETE BASE TYPE 5, TRANSFORMER BASE LED LAMP TYPE A OR C

LUMINARIES UNDERDECK LED (B)

LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)

CONDUIT SPECIAL 2-INCH

PULL BOXES NON-CONDUCTIVE 24X42-INCH

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
LED LAMP TYPE
X-X-(X,X). X-X — ARM LENGTH
STA. XX+XX.XX, XX.XX' RT./LT. ← (LOCATION TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1 2" | 2 2 LIGHT | 1 2 GND

MATCH LINE
STA 152+00EB82

N

WESTBOUND STH 82
EASTBOUND STH 82
NORTHEAST BYPASS LANE
WESTBOUND ON RAMP 'B
WESTBOUND OFF RAMP 'A'
EASTBOUND STH 82
WESTBOUND STH 82

PB-33
STA. 150+67.11 'WB82', -31.2' LT
PB-26
STA. 150+61.35 'WB82', 8.4' RT
PB-25
STA. 150+70.24 'EB82', 50.6' RT
LC1 - 33 & 34 - (2,4) & (6,8). C-12
STA. 150+35.60 'WB82', 12.0' RT
PB-34
STA. 150+73.19'WB82', -67.3' LT
LC1 - 32 - (6,8). C-12
STA. 11+07.74'ERAB', 77.1' RT
PB-35
STA. 11+08.06'ERAB', 82.9' RT
PB-36
STA. 985+58.92'B', -22.0' LT
LC1
STA. 985+54.07'B', -28.9' LT
PB-1
STA. 985+50.46'B', -21.3' LT
LC1 - 1 - (2,4). A-12
STA. 985+51.46'B', -14.1' LT
PB-37
STA. 984+27.93'B', -18.2' LT
LC1 - 2 - (6,8). A-12
STA. 984+27.88'B', -10.2' LT
PB-38
STA. 982+95.89 'B', -17.0' LT
LC1 - 3 - (2,4). A-12
STA. 982+96.55 'B', -9.6' LT
PB-2
STA. 985+46.81'B', 44.7' RT
LC1 - 4 - (2,4). C-12
STA. 11+52.84'ERAB', 44.4' RT
PB-3
STA. 11+86.07'ERAB', 52.4' RT
LC1 - 5 - (6,8). C-12
STA. 11+87.71'ERAB', 44.4' RT
PB-4
STA. 148+24.19'WB82', -26.6' LT
LC1 - 6 & 7 - (1,3) & (5,7). C-12
STA. 148+08.90'EB82', -19.0' LT
PB-5
STA. 147+97.47'EB82', -15.7' LT
PB-49
STA. 989+66.30'A', -18.5' LT
LC1 - 40 - (6,8). A-12
STA. 989+66.71'A', -11.3' LT
LC1 - 39 - (2,4). A-12
STA. 988+32.26'A', -14.5' LT
PB-48
STA. 988+32.75'A', -21.4' LT
LC1 - 35 - (2,4). C-12
STA. 10+01.97 'ERAB', 53.7' RT
PB-24
STA. 10+00.46 'ERAB', 61.9' RT
PB-23
STA. 987+01.12 'A', -25.1' LT
LC1 - 38 - (6,8). A-12
STA. 987+00.68 'A', -14.7' LT
PB-22
STA. 13+43.90 'ERAB', 36.6' RT
LC1 - 36 - (6,8). C-6
STA. 13+44.65 'ERAB', 30.1' RT
PB-21
STA. 12+91.06 'ERAB', 51.2' RT
LC1 - 37 - (2,4). C-12
STA. 12+88.48 'ERAB', 42.0' RT
PB-20: ACCESS FOR CAMERA AND RWIS CIRCUITS (BY OTHERS)
STA. 148+01.30 'EB82', 44.5' RT

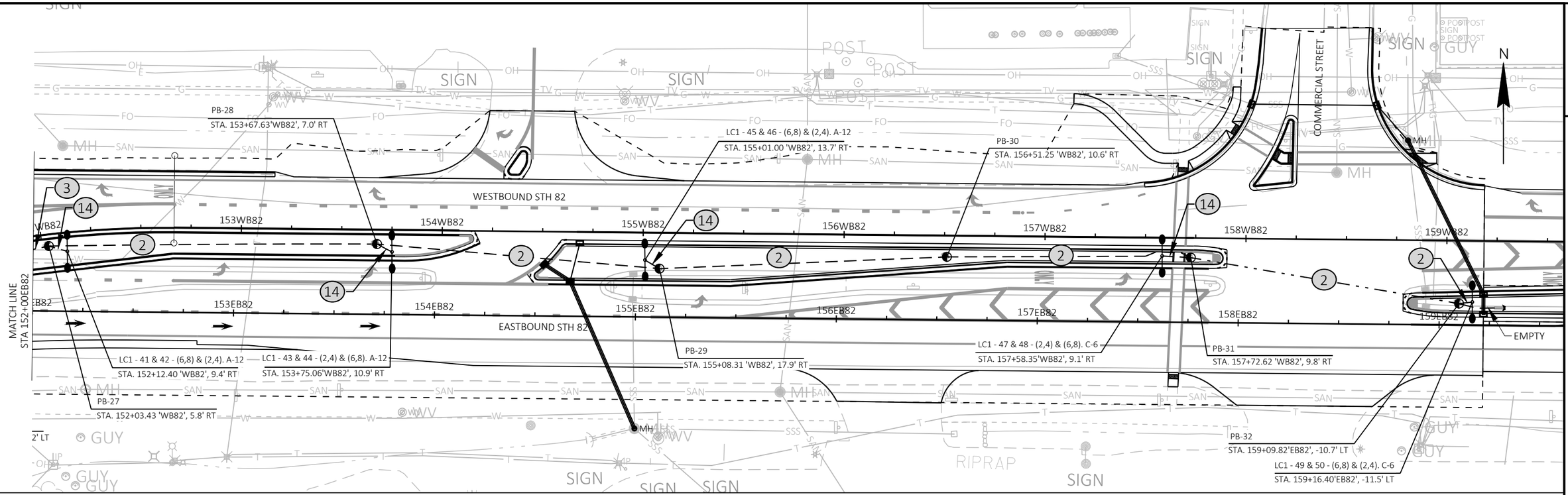
983B
984B
985B
987A
988A
989A

16: 1 2" | 8 8 LIGHT | 4 8 GND
17: 1 2" | 4 10 LIGHT | 2 10 GND | 2 12 LIGHT | 1 12 GND
18: 1 2" | 8 6 LIGHT | 4 6 GND
19: 1 2" | 4 6 LIGHT | 2 6 GND | 4 8 LIGHT | 2 8 GND | 4 10 LIGHT | 2 10 GND
20: 1 2" | 4 10 LIGHT | 2 10 GND | 4 12 LIGHT | 2 12 GND

1: 1 2" | 2 12 LIGHT | 1 12 GND
2: 1 2" | 4 12 LIGHT | 2 12 GND
3: 1 2" | 4 10 LIGHT | 2 10 GND
4: 1 2" | 2 12 LIGHT | 1 12 GND | 4 6 LIGHT | 2 6 GND
5: 1 2" | 4 12 LIGHT | 2 12 GND | 4 6 LIGHT | 2 6 GND
6: 2 3" | 8 12 LIGHT | 4 12 GND | 4 6 LIGHT | 2 6 GND
7: 1 2" | 4 6 LIGHT | 2 6 GND
8: 1 2" | 4 8 LIGHT | 2 8 GND | 4 10 LIGHT | 2 10 GND
9: 1 2" | 4 8 LIGHT | 2 8 GND
10: 1 2" | 6 12 LIGHT | 3 12 GND
11: 2 3" | 4 10 LIGHT | 2 10 GND
12: 1 2" | 12 10 LIGHT | 6 10 GND
13: 1 2" | 8 10 LIGHT | 4 10 GND
14: 1 2" | 8 12 LIGHT | 4 12 GND
15: 1 2" | 1 12 TRACER — EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.

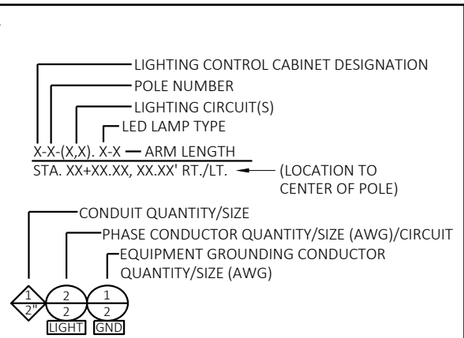
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	LIGHTING PLAN	SHEET 160	E

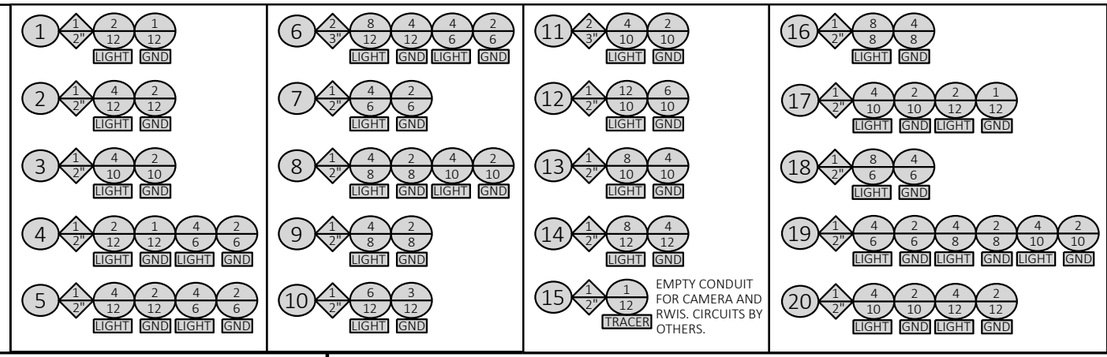
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023601-LP.DWG
LAYOUT NAME - 023603-lp
PLOT DATE : 9/13/2021 8:19 AM
PLOT BY : NATHAN COOK
PLOT NAME :
PLOT SCALE : 1 IN:50 FT



LEGEND

- POLES TYPE 5-ALUMINUM WITH LUMINAIRE ARMS TYPE 4 1/2-INCH CLAMP 6-FT OR 12-FT CONCRETE BASE TYPE 5, TRANSFORMER BASE LED LAMP TYPE A OR C
- LUMINARIES UNDERDECK LED (B)
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)
- CONDUIT SPECIAL 2-INCH
- PULL BOXES NON-CONDUCTIVE 24X42-INCH





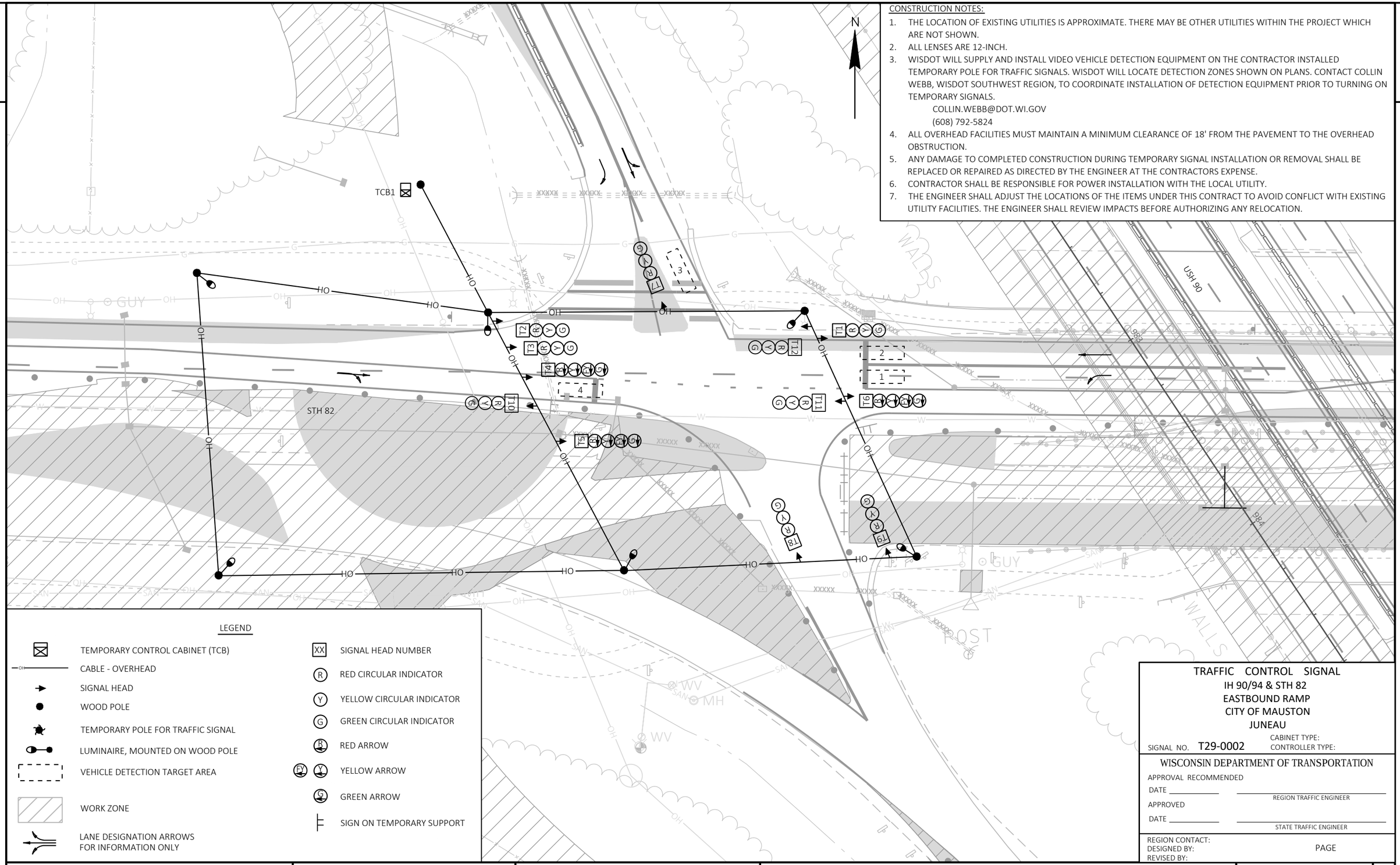
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	LIGHTING PLAN	SHEET 161	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\023601-LP.DWG
LAYOUT NAME - 023604-lp
PLOT DATE : 9/13/2021 8:20 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. ALL LENSES ARE 12-INCH.
3. WISDOT WILL SUPPLY AND INSTALL VIDEO VEHICLE DETECTION EQUIPMENT ON THE CONTRACTOR INSTALLED TEMPORARY POLE FOR TRAFFIC SIGNALS. WISDOT WILL LOCATE DETECTION ZONES SHOWN ON PLANS. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE INSTALLATION OF DETECTION EQUIPMENT PRIOR TO TURNING ON TEMPORARY SIGNALS.
   COLLIN.WEBB@DOT.WI.GOV
   (608) 792-5824
4. ALL OVERHEAD FACILITIES MUST MAINTAIN A MINIMUM CLEARANCE OF 18' FROM THE PAVEMENT TO THE OVERHEAD OBSTRUCTION.
5. ANY DAMAGE TO COMPLETED CONSTRUCTION DURING TEMPORARY SIGNAL INSTALLATION OR REMOVAL SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.
7. THE ENGINEER SHALL ADJUST THE LOCATIONS OF THE ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES. THE ENGINEER SHALL REVIEW IMPACTS BEFORE AUTHORIZING ANY RELOCATION.



LEGEND

- TEMPORARY CONTROL CABINET (TCB)
- CABLE - OVERHEAD
- SIGNAL HEAD
- WOOD POLE
- TEMPORARY POLE FOR TRAFFIC SIGNAL
- LUMINAIRE, MOUNTED ON WOOD POLE
- VEHICLE DETECTION TARGET AREA
- WORK ZONE
- LANE DESIGNATION ARROWS FOR INFORMATION ONLY
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL SIGNAL
IH 90/94 & STH 82
EASTBOUND RAMP
CITY OF MAUSTON
JUNEAU

SIGNAL NO. T29-0002
CABINET TYPE:
CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER

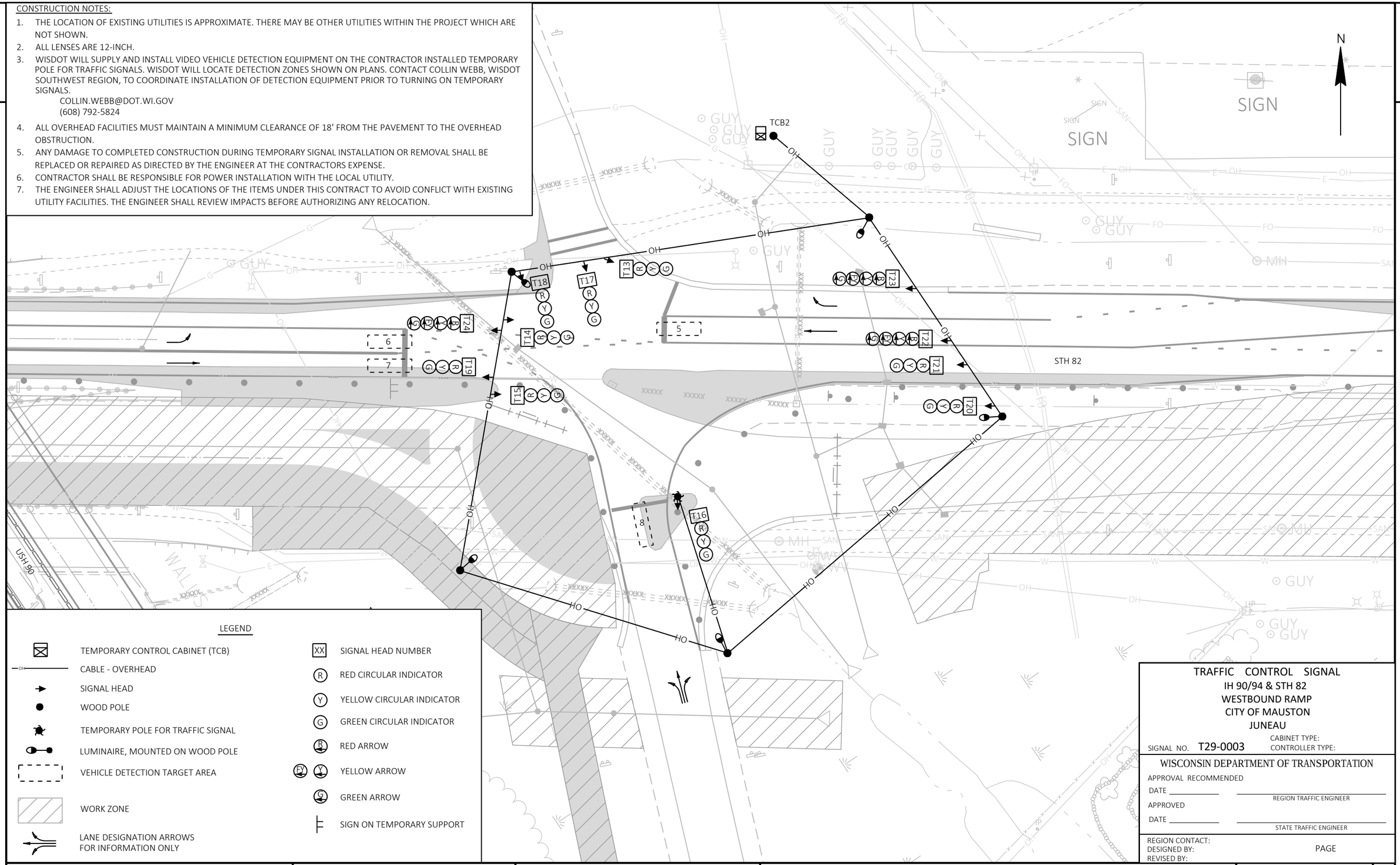
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:
PAGE

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TEMPORARY TRAFFIC SIGNAL - STAGE 2B EASTBOUND RAMP	SHEET 162	E

CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. ALL LENSES ARE 12-INCH.
3. WISDOT WILL SUPPLY AND INSTALL VIDEO VEHICLE DETECTION EQUIPMENT ON THE CONTRACTOR INSTALLED TEMPORARY POLE FOR TRAFFIC SIGNALS. WISDOT WILL LOCATE DETECTION ZONES SHOWN ON PLANS. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE INSTALLATION OF DETECTION EQUIPMENT PRIOR TO TURNING ON TEMPORARY SIGNALS.
   COLLIN.WEBB@DOT.WI.GOV
   (608) 792-5824
4. ALL OVERHEAD FACILITIES MUST MAINTAIN A MINIMUM CLEARANCE OF 18' FROM THE PAVEMENT TO THE OVERHEAD OBSTRUCTION.
5. ANY DAMAGE TO COMPLETED CONSTRUCTION DURING TEMPORARY SIGNAL INSTALLATION OR REMOVAL SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.
7. THE ENGINEER SHALL ADJUST THE LOCATIONS OF THE ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES. THE ENGINEER SHALL REVIEW IMPACTS BEFORE AUTHORIZING ANY RELOCATION.



LEGEND

- TEMPORARY CONTROL CABINET (TCB)
- CABLE - OVERHEAD
- SIGNAL HEAD
- WOOD POLE
- TEMPORARY POLE FOR TRAFFIC SIGNAL
- LUMINAIRE, MOUNTED ON WOOD POLE
- VEHICLE DETECTION TARGET AREA
- WORK ZONE
- LANE DESIGNATION ARROWS FOR INFORMATION ONLY
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL SIGNAL
IH 90/94 & STH 82
WESTBOUND RAMP
CITY OF MAUSTON
JUNEAU

CABINET TYPE:
SIGNAL NO. T29-0003 CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:
PAGE

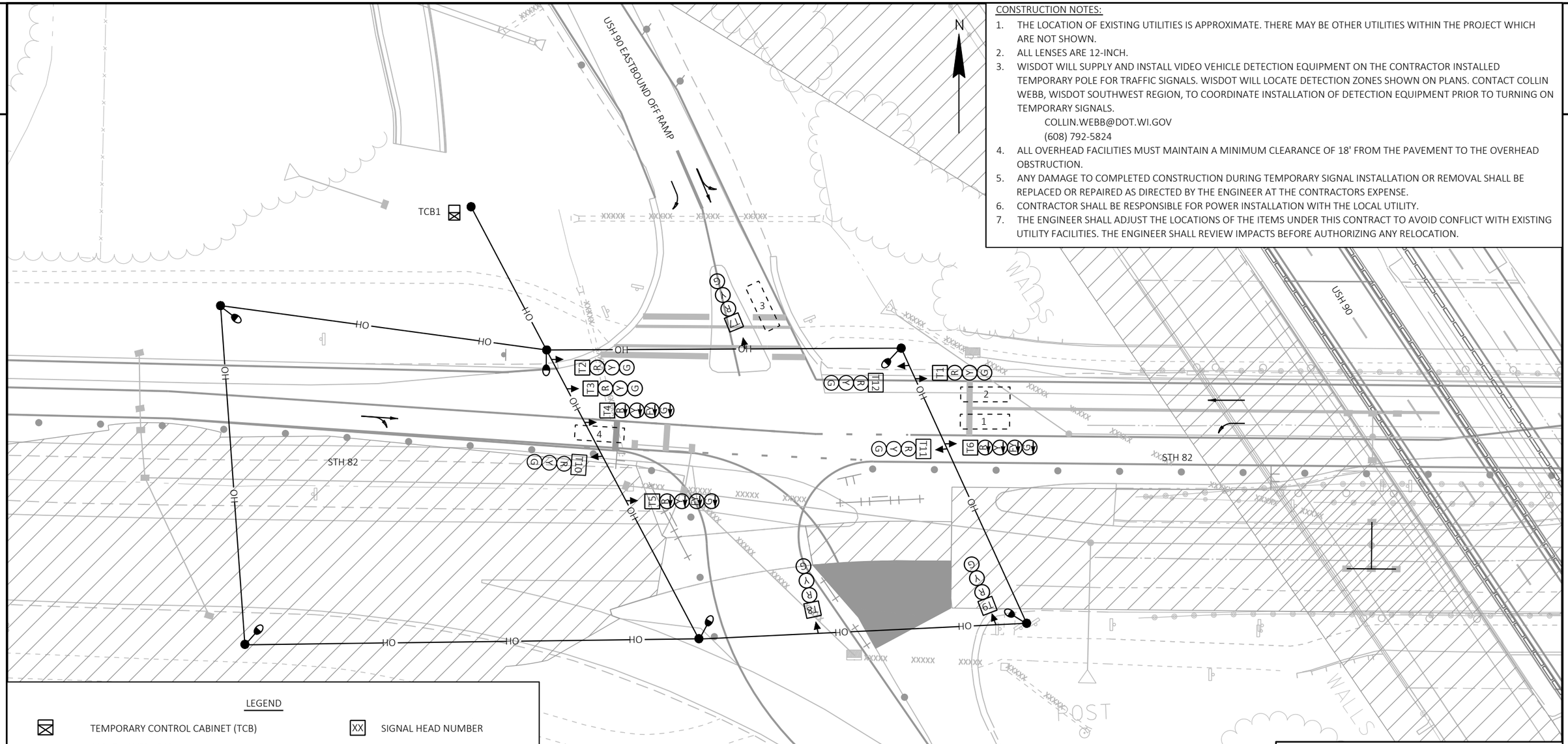
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TEMPORARY TRAFFIC SIGNAL - STAGE 2B WESTBOUND RAMP	SHEET 163	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024101-ST_2B.DWG
LAYOUT NAME - Stage 2B WB
PLOT DATE : 10/14/2021 5:27 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. ALL LENSES ARE 12-INCH.
3. WISDOT WILL SUPPLY AND INSTALL VIDEO VEHICLE DETECTION EQUIPMENT ON THE CONTRACTOR INSTALLED TEMPORARY POLE FOR TRAFFIC SIGNALS. WISDOT WILL LOCATE DETECTION ZONES SHOWN ON PLANS. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE INSTALLATION OF DETECTION EQUIPMENT PRIOR TO TURNING ON TEMPORARY SIGNALS.
   COLLIN.WEBB@DOT.WI.GOV
   (608) 792-5824
4. ALL OVERHEAD FACILITIES MUST MAINTAIN A MINIMUM CLEARANCE OF 18' FROM THE PAVEMENT TO THE OVERHEAD OBSTRUCTION.
5. ANY DAMAGE TO COMPLETED CONSTRUCTION DURING TEMPORARY SIGNAL INSTALLATION OR REMOVAL SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.
7. THE ENGINEER SHALL ADJUST THE LOCATIONS OF THE ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES. THE ENGINEER SHALL REVIEW IMPACTS BEFORE AUTHORIZING ANY RELOCATION.



LEGEND

- TEMPORARY CONTROL CABINET (TCB)
- CABLE - OVERHEAD
- SIGNAL HEAD
- WOOD POLE
- TEMPORARY POLE FOR TRAFFIC SIGNAL
- LUMINAIRE, MOUNTED ON WOOD POLE
- VEHICLE DETECTION TARGET AREA
- WORK ZONE
- LANE DESIGNATION ARROWS FOR INFORMATION ONLY
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL SIGNAL
IH 90/94 & STH 82
EASTBOUND RAMP
CITY OF MAUSTON
JUNEAU

SIGNAL NO. T29-0002
CABINET TYPE:
CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER

APPROVED
DATE _____ STATE TRAFFIC ENGINEER

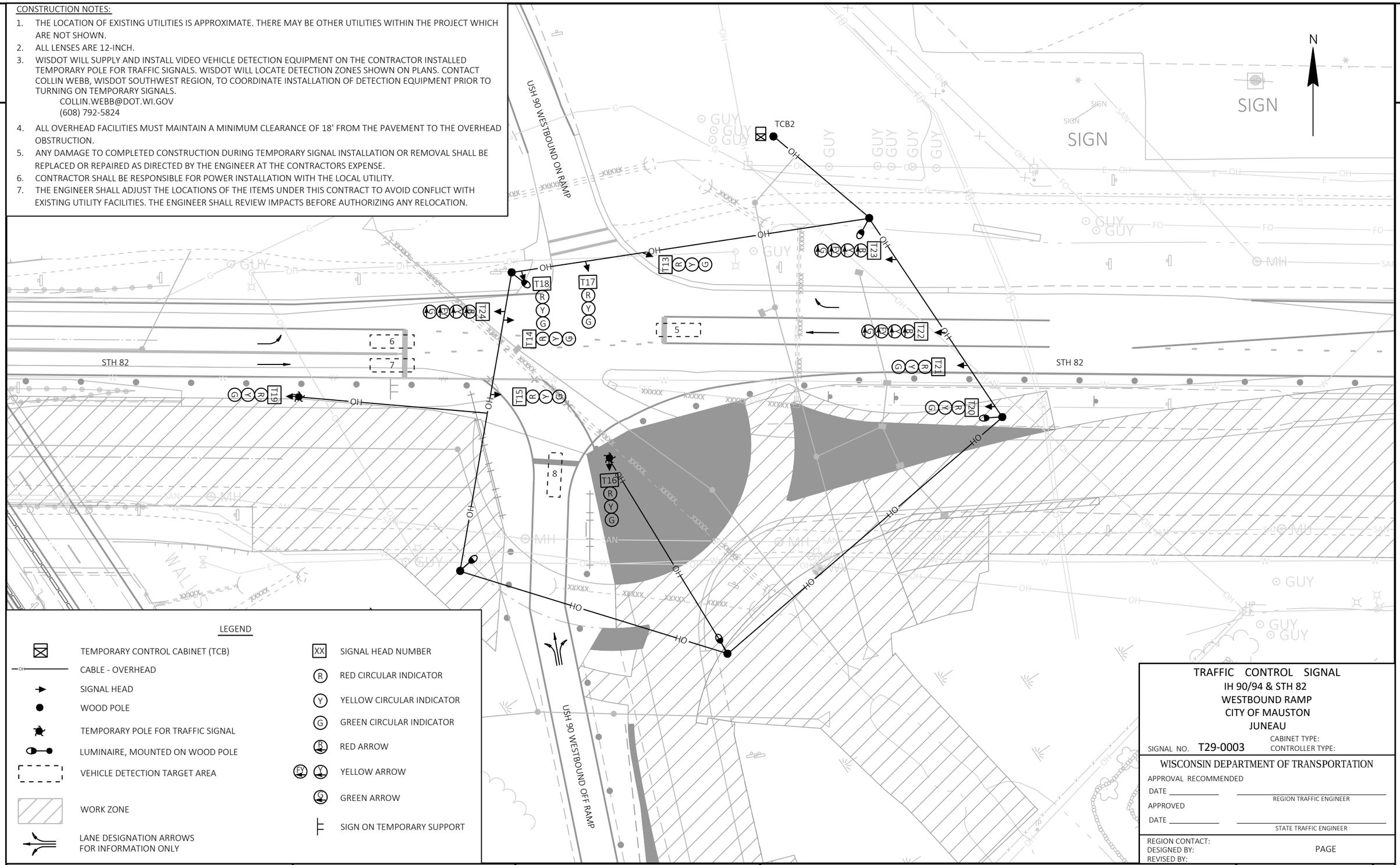
REGION CONTACT:
DESIGNED BY:
REVISED BY:
PAGE

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TEMPORARY TRAFFIC SIGNAL - STAGE 2C EASTBOUND RAMP	SHEET 164	E

2

CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. ALL LENSES ARE 12-INCH.
3. WISDOT WILL SUPPLY AND INSTALL VIDEO VEHICLE DETECTION EQUIPMENT ON THE CONTRACTOR INSTALLED TEMPORARY POLE FOR TRAFFIC SIGNALS. WISDOT WILL LOCATE DETECTION ZONES SHOWN ON PLANS. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE INSTALLATION OF DETECTION EQUIPMENT PRIOR TO TURNING ON TEMPORARY SIGNALS.
   COLLIN.WEBB@DOT.WI.GOV
   (608) 792-5824
4. ALL OVERHEAD FACILITIES MUST MAINTAIN A MINIMUM CLEARANCE OF 18' FROM THE PAVEMENT TO THE OVERHEAD OBSTRUCTION.
5. ANY DAMAGE TO COMPLETED CONSTRUCTION DURING TEMPORARY SIGNAL INSTALLATION OR REMOVAL SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.
7. THE ENGINEER SHALL ADJUST THE LOCATIONS OF THE ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES. THE ENGINEER SHALL REVIEW IMPACTS BEFORE AUTHORIZING ANY RELOCATION.



LEGEND

- TEMPORARY CONTROL CABINET (TCB)
- CABLE - OVERHEAD
- SIGNAL HEAD
- WOOD POLE
- TEMPORARY POLE FOR TRAFFIC SIGNAL
- LUMINAIRE, MOUNTED ON WOOD POLE
- VEHICLE DETECTION TARGET AREA
- WORK ZONE
- LANE DESIGNATION ARROWS FOR INFORMATION ONLY
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL SIGNAL
IH 90/94 & STH 82
WESTBOUND RAMP
CITY OF MAUSTON
JUNEAU

SIGNAL NO. T29-0003
CABINET TYPE:
CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:
PAGE

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TEMPORARY TRAFFIC SIGNAL - STAGE 2C WESTBOUND RAMP	SHEET 165	E

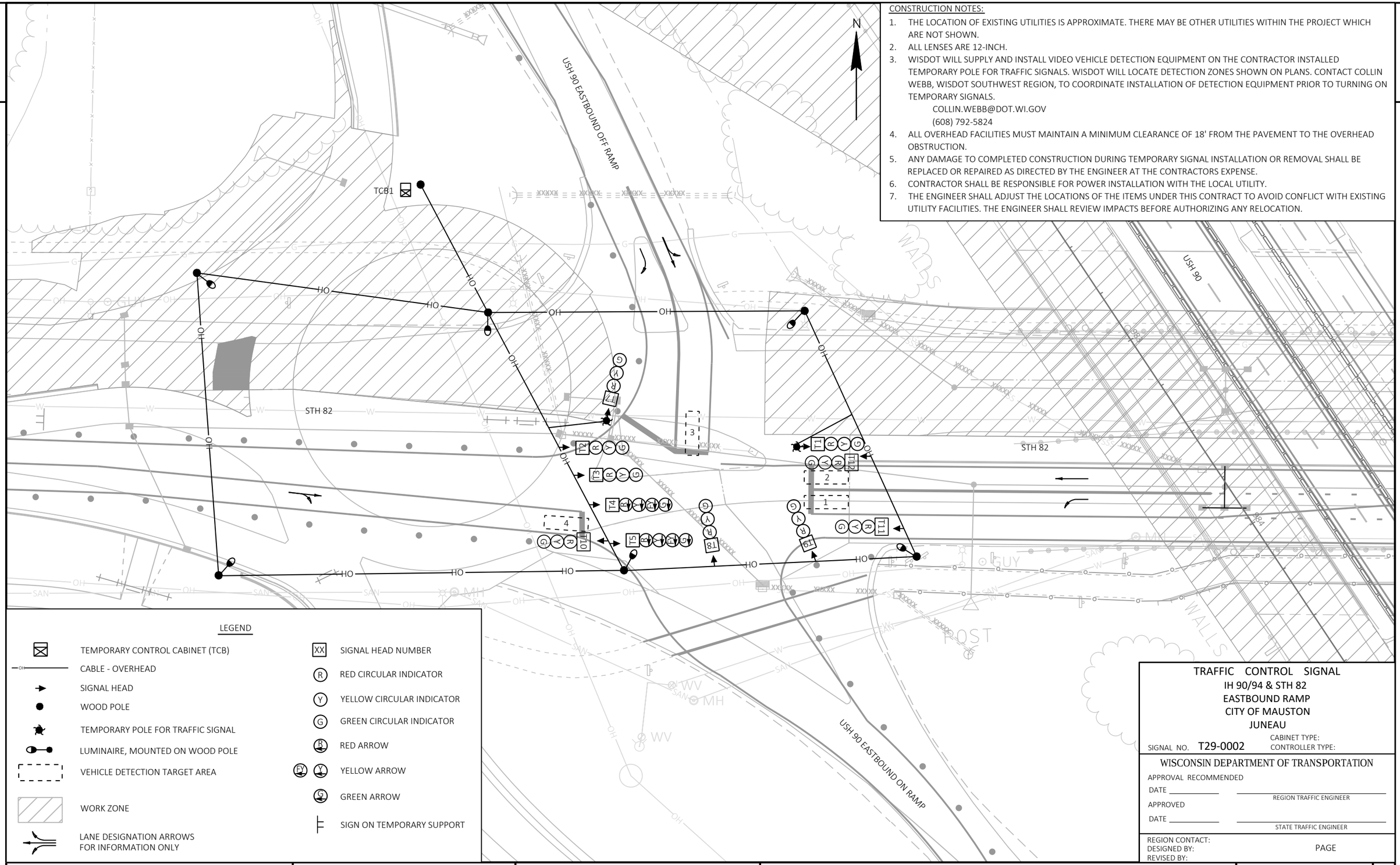
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024101-ST_2C.DWG
LAYOUT NAME - Stage 2C WB
PLOT DATE : 10/14/2021 5:28 PM
PLOT BY : CHAD WAGNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. ALL LENSES ARE 12-INCH.
3. WISDOT WILL SUPPLY AND INSTALL VIDEO VEHICLE DETECTION EQUIPMENT ON THE CONTRACTOR INSTALLED TEMPORARY POLE FOR TRAFFIC SIGNALS. WISDOT WILL LOCATE DETECTION ZONES SHOWN ON PLANS. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE INSTALLATION OF DETECTION EQUIPMENT PRIOR TO TURNING ON TEMPORARY SIGNALS.
   COLLIN.WEBB@DOT.WI.GOV
   (608) 792-5824
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LEGEND

- TEMPORARY CONTROL CABINET (TCB)
- CABLE - OVERHEAD
- SIGNAL HEAD
- WOOD POLE
- TEMPORARY POLE FOR TRAFFIC SIGNAL
- LUMINAIRE, MOUNTED ON WOOD POLE
- VEHICLE DETECTION TARGET AREA
- WORK ZONE
- LANE DESIGNATION ARROWS FOR INFORMATION ONLY
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL SIGNAL
IH 90/94 & STH 82
EASTBOUND RAMP
CITY OF MAUSTON
JUNEAU

SIGNAL NO. T29-0002
CABINET TYPE:
CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:
PAGE

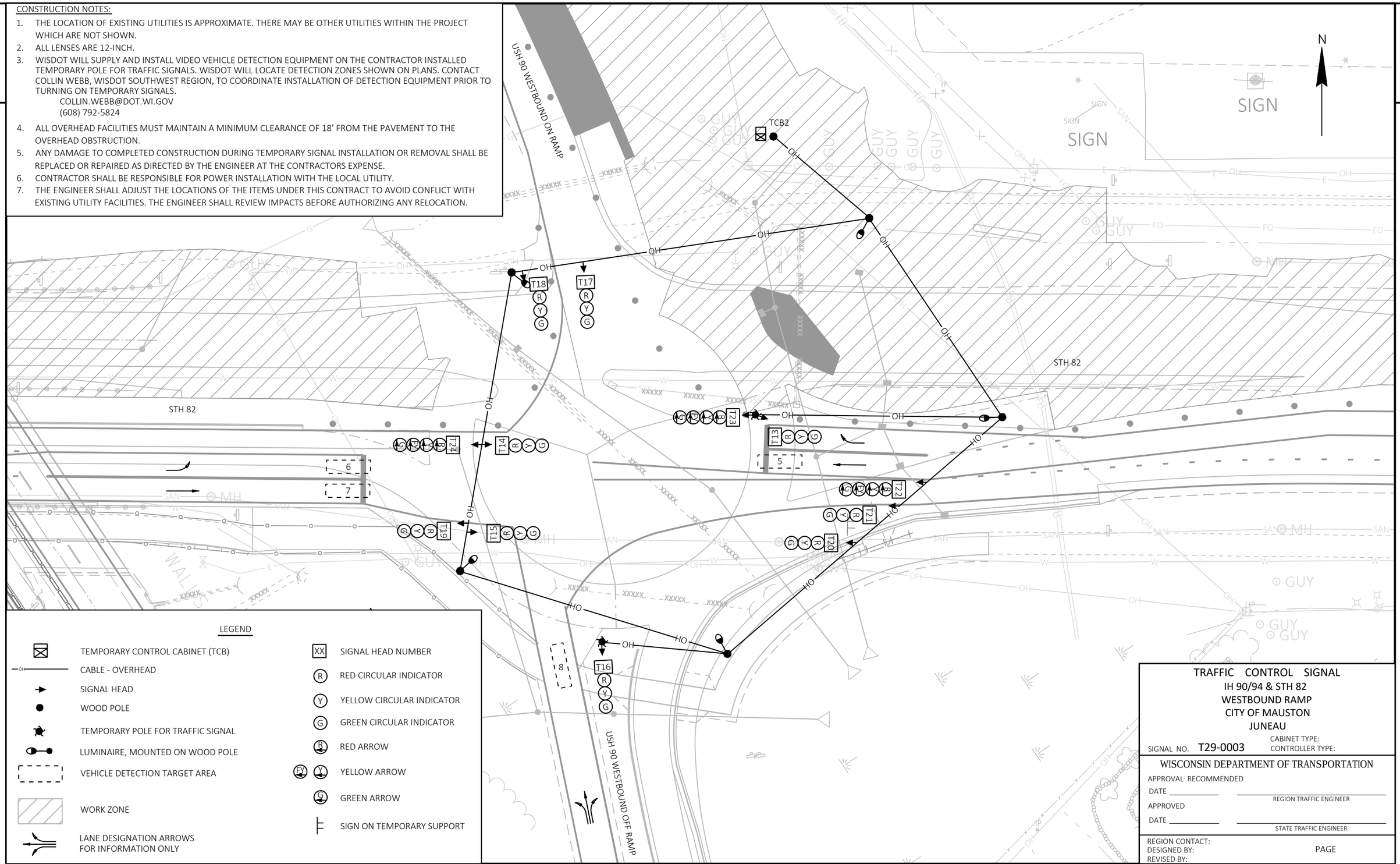
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TEMPORARY TRAFFIC SIGNAL - STAGE 2D EASTBOUND RAMP	SHEET 166	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024101-ST_2D.DWG
LAYOUT NAME - Stage 2D EB
PLOT DATE : 10/14/2021 5:28 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. ALL LENSES ARE 12-INCH.
3. WISDOT WILL SUPPLY AND INSTALL VIDEO VEHICLE DETECTION EQUIPMENT ON THE CONTRACTOR INSTALLED TEMPORARY POLE FOR TRAFFIC SIGNALS. WISDOT WILL LOCATE DETECTION ZONES SHOWN ON PLANS. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE INSTALLATION OF DETECTION EQUIPMENT PRIOR TO TURNING ON TEMPORARY SIGNALS.
   COLLIN.WEBB@DOT.WI.GOV
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LEGEND

- TEMPORARY CONTROL CABINET (TCB)
- CABLE - OVERHEAD
- SIGNAL HEAD
- WOOD POLE
- TEMPORARY POLE FOR TRAFFIC SIGNAL
- LUMINAIRE, MOUNTED ON WOOD POLE
- VEHICLE DETECTION TARGET AREA
- WORK ZONE
- LANE DESIGNATION ARROWS FOR INFORMATION ONLY
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL SIGNAL
IH 90/94 & STH 82
WESTBOUND RAMP
CITY OF MAUSTON
JUNEAU

SIGNAL NO. T29-0003
CABINET TYPE:
CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:
PAGE

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TEMPORARY TRAFFIC SIGNAL - STAGE 2D WESTBOUND RAMP	SHEET 167	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024101-ST_2D.DWG
LAYOUT NAME - Stage 2D WB
PLOT DATE : 10/14/2021 5:29 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN.
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N

IH 90 EASTBOUND OFF RAMP

IH 90 EASTBOUND ON RAMP

STH 82

USH 90

TCB1

LEGEND

- TEMPORARY CONTROL CABINET (TCB)
- CABLE - OVERHEAD
- SIGNAL HEAD
- WOOD POLE
- TEMPORARY POLE FOR TRAFFIC SIGNAL
- LUMINAIRE, MOUNTED ON WOOD POLE
- VEHICLE DETECTION TARGET AREA
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- SIGNAL HEAD NUMBER
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- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
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- YELLOW ARROW
- GREEN ARROW
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TRAFFIC CONTROL SIGNAL
IH 90/94 & STH 82
EASTBOUND RAMP
CITY OF MAUSTON
JUNEAU

SIGNAL NO. T29-0002
CABINET TYPE:
CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:
PAGE

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TEMPORARY TRAFFIC SIGNAL - STAGE 2E EASTBOUND RAMP	SHEET 168	E

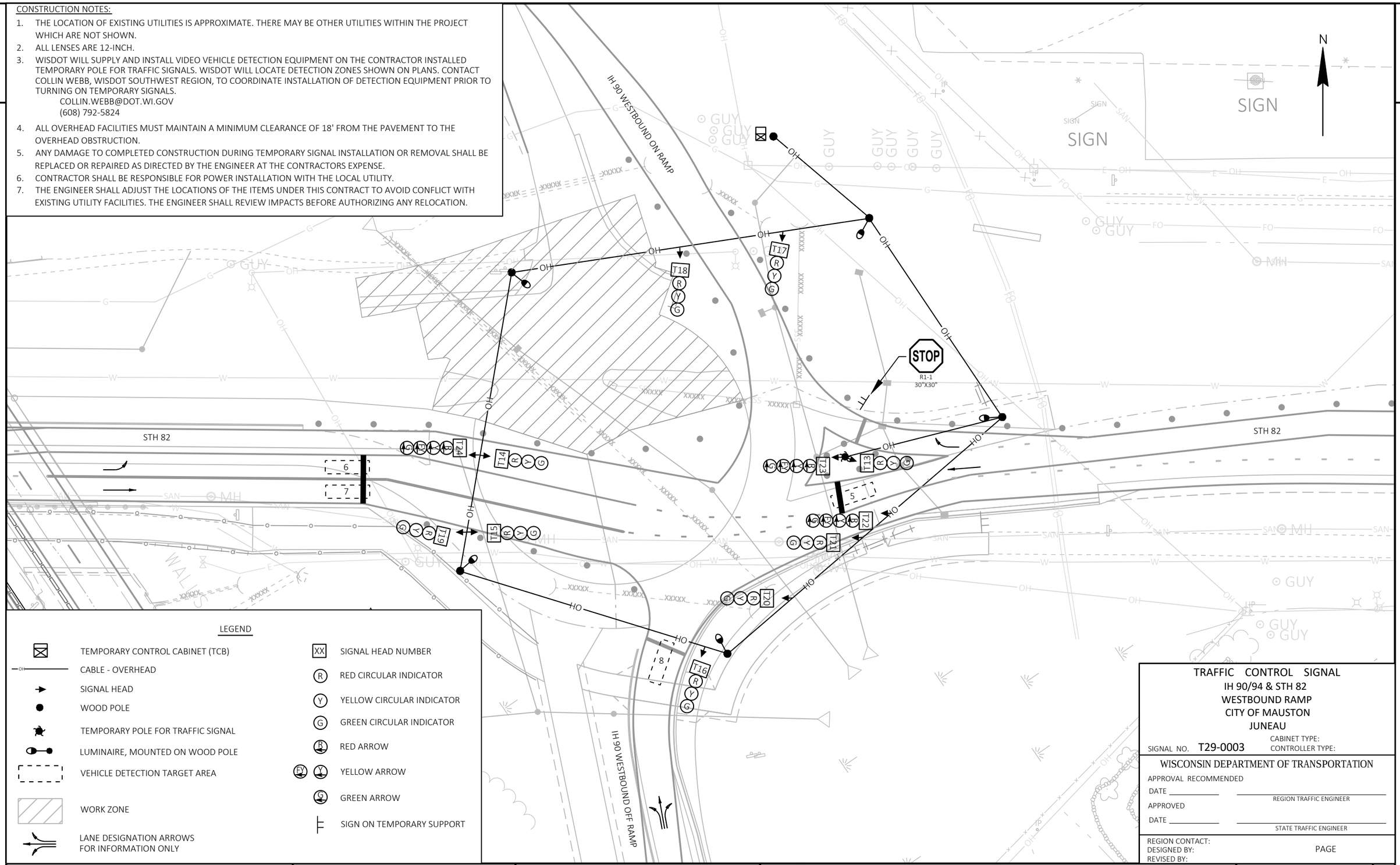
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024101-ST_2E.DWG
LAYOUT NAME - Stage 2E EB
PLOT DATE : 10/14/2021 5:29 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT WHICH ARE NOT SHOWN.
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LEGEND

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- CABLE - OVERHEAD
- SIGNAL HEAD
- WOOD POLE
- TEMPORARY POLE FOR TRAFFIC SIGNAL
- LUMINAIRE, MOUNTED ON WOOD POLE
- VEHICLE DETECTION TARGET AREA
- WORK ZONE
- LANE DESIGNATION ARROWS FOR INFORMATION ONLY
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL SIGNAL
IH 90/94 & STH 82
WESTBOUND RAMP
CITY OF MAUSTON
JUNEAU

SIGNAL NO. T29-0003
CABINET TYPE:
CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

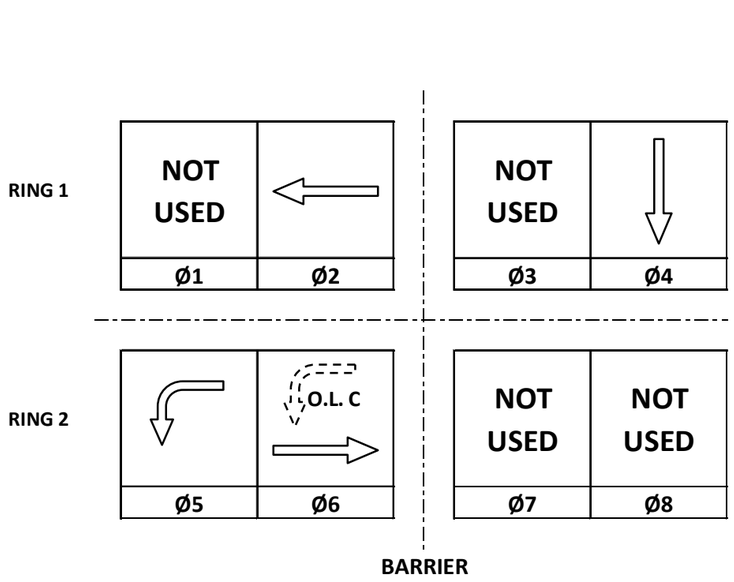
APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:
PAGE

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TEMPORARY TRAFFIC SIGNAL - STAGE 2E WESTBOUND RAMP	SHEET 169	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024101-ST_2E.DWG
LAYOUT NAME - Stage 2E WB
PLOT DATE : 10/14/2021 5:29 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1		
Ø2	T1, T2, T3	R
Ø3		
Ø4	T7, T8, T9	R
Ø5	T4, T5, T6	-
Ø6	T10, T11, T12	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC	T4, T5, T6	R ←
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4				X
5		2		X
6	X	2	MIN	X
7				
8				

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	I	2	3	4													PLAN LOOP DETECTOR*(S)
ASSIGNED PHASE	5	2	4	6													ASSIGNED PHASE
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	OPERATION MODE
SWITCH																	SWITCH
EXTEND		X		X													EXTEND
DELAY																	DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)																	PLAN LOOP DETECTOR*(S)
ASSIGNED PHASE																	ASSIGNED PHASE
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	OPERATION MODE
SWITCH																	SWITCH
EXTEND																	EXTEND
DELAY																	DELAY

GENERAL NOTES:

1. THIS SEQUENCE OF OPERATIONS SHEET SHALL BE USED FOR THE EASTBOUND RAMP STAGES 2B AND 2C.
2. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
3. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
4. WHEN OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICTS.

5 SIGNAL SHALL DWELL IN PHASES 2 & 6

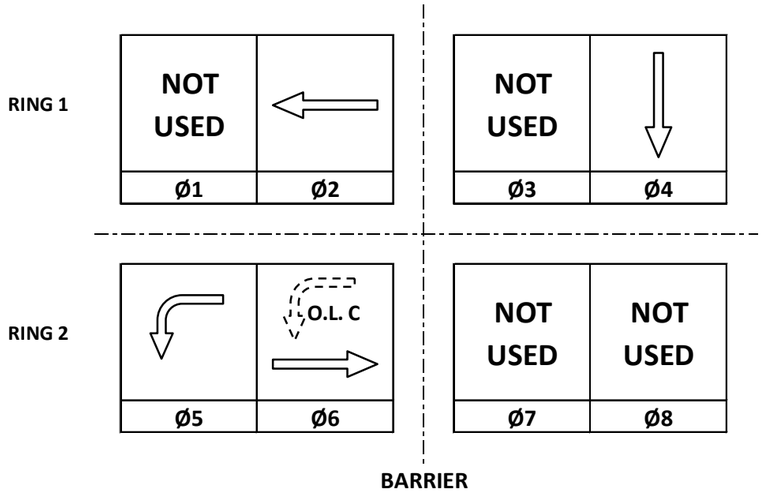
IH 90/94 EASTBOUND RAMP & STH 82
CITY OF MAUSTON
JUNEAU COUNTY

SIGNAL NO: 1 CABINET TYPE: TS2
CONTROLLER TYPE: EPAC
DATE: 10/14/2021 PAGE NO. X OF X

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	SEQUENCE OF OPERATIONS – EASTBOUND STAGES 2B AND 2C	SHEET NO: 170	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

	HEAD NUMBERS	FLASH
Ø1		
Ø2	T1, T2, T3	R
Ø3		
Ø4	T7, T8, T9	R
Ø5	T4, T5	-
Ø6	T10, T11, T12	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC	T4, T5	R ←
OLD		





CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4				X
5		2		X
6	X	2	MIN	X
7				
8				

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	I	2	3	4												
ASSIGNED PHASE	5	2	4	6												
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH																
EXTEND		X		X												
DELAY																

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)																
ASSIGNED PHASE																
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH																
EXTEND																
DELAY																

GENERAL NOTES:

1. THIS SEQUENCE OF OPERATIONS SHEET SHALL BE USED FOR THE EASTBOUND RAMP, STAGES 2D AND 2E.
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5 SIGNAL SHALL DWELL IN PHASES 2 & 6

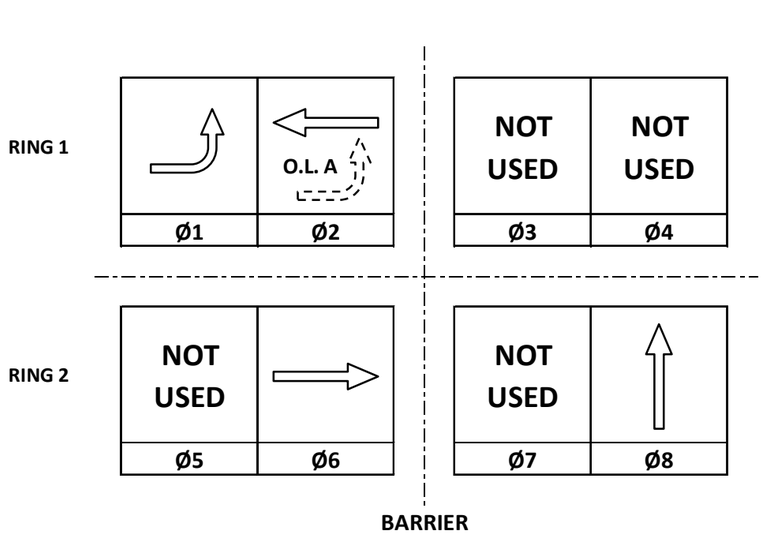
IH 90/94 EASTBOUND RAMP & STH 82
CITY OF MAUSTON
JUNEAU COUNTY

SIGNAL NO: 1 CABINET TYPE: TS2
CONTROLLER TYPE: EPAC
DATE: 10/14/2021 PAGE NO. X OF X

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	SEQUENCE OF OPERATIONS – EASTBOUND STAGE 2D AND 2E	SHEET NO: 171	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

	HEAD NUMBERS	FLASH
Ø1	T22, T23, T24	-
Ø2	T13, T14, T15	R
Ø3		
Ø4		
Ø5		
Ø6	T19, T20, T21	R
Ø7		
Ø8	T16, T17, T18	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA	T22, T23, T24	R ←
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4				
5				
6	X	2	MIN	X
7				
8				X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	5	6	7	8				
ASSIGNED PHASE	2	1	6	8				
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH								
EXTEND	X	X						
DELAY								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)								
ASSIGNED PHASE								
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH								
EXTEND								
DELAY								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	OPERATION MODE
								SWITCH
								EXTEND
								DELAY

GENERAL NOTES:

1. THIS SEQUENCE OF OPERATIONS SHEET SHALL BE USED FOR THE WESTBOUND RAMP STAGES 2B, 2C, 2D, AND 2E.
2. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
3. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
4. WHEN OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICTS.
5 SIGNAL SHALL DWELL IN PHASES 2 & 6

IH 90/94 WESTBOUND RAMP & STH 82
CITY OF MAUSTON
JUNEAU COUNTY

SIGNAL NO: 1 CABINET TYPE: TS2
CONTROLLER TYPE: EPAC
DATE: 10/14/2021 PAGE NO. X OF X

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	SEQUENCE OF OPERATIONS – WESTBOUND STAGES 2B, 2C, 2D , 2E	SHEET NO: 172	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

2

LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

N

W-4 GWRE

W4-12.5 GCPT

WESTBOUND IH 90/94

936+00WB 938+00WB 940+00WB 942+00WB 944+00WB 946+00WB 948+00WB 950+

Y4 GWRE

936+00EB 938+00EB 940+00EB 942+00EB 944+00EB 946+00EB 948+00EB 950+

EASTBOUND IH 90/94

W4 GWRE

W4-12.5 GCPT

MATCH LINE STA 950+00EB

SIGN

SIGN

SIGN

MH

INL

W

NOTES

SEE SDD PAVEMENT MARKING WORDS, SYMBOLS AND ARROWS
SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

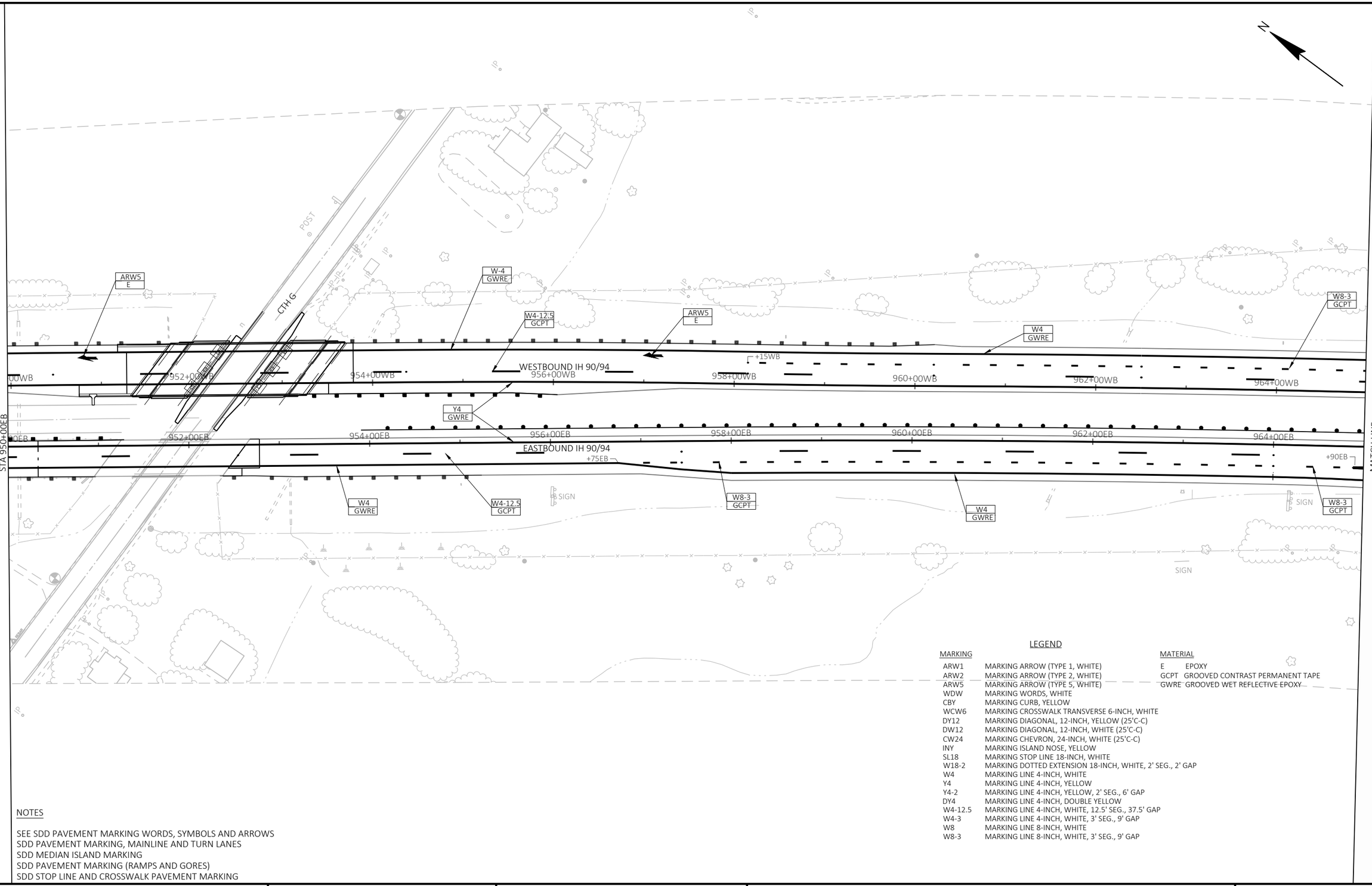
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 173	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 024501-pm

PLOT DATE : 10/27/2021 6:53 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

NOTES

SEE SDD PAVEMENT MARKING WORDS, SYMBOLS AND ARROWS
SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 174	E

2

2

N

W4 GWRE

9788

980B

976B

W8-3 GCPT

W8 GWRE

W8 GCPT

974B

WESTBOUND ON RAMP 'B'

Y4 GWRE

W4 GWRE

Y4 GWRE

+16WB

+65WB

+55B

+58WB

966+00WB

968+00WB

970+00WB

972+00WB

974+00WB

WESTBOUND IH 90/94

976+00WB

978+00WB

980+0

MATCH LINE
STA 965+00EB

966+00EB

968+00EB

970+00EB

972+00EB

974+00EB

976+00EB

978+00EB

980+

MATCH LINE
STA 980+00EB

Y4 GWRE

W4-12.5 GCPT

+38EB

+18EB

EASTBOUND IH 90/94

966C

968C

970C

+17C

972C

974C

976C

978C

980C

Y4 GWRE

W4 GWRE

CW24 E

W8 GCPT

W4 GWRE

EASTBOUND OFF RAMP 'C'

SIGN POST

LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

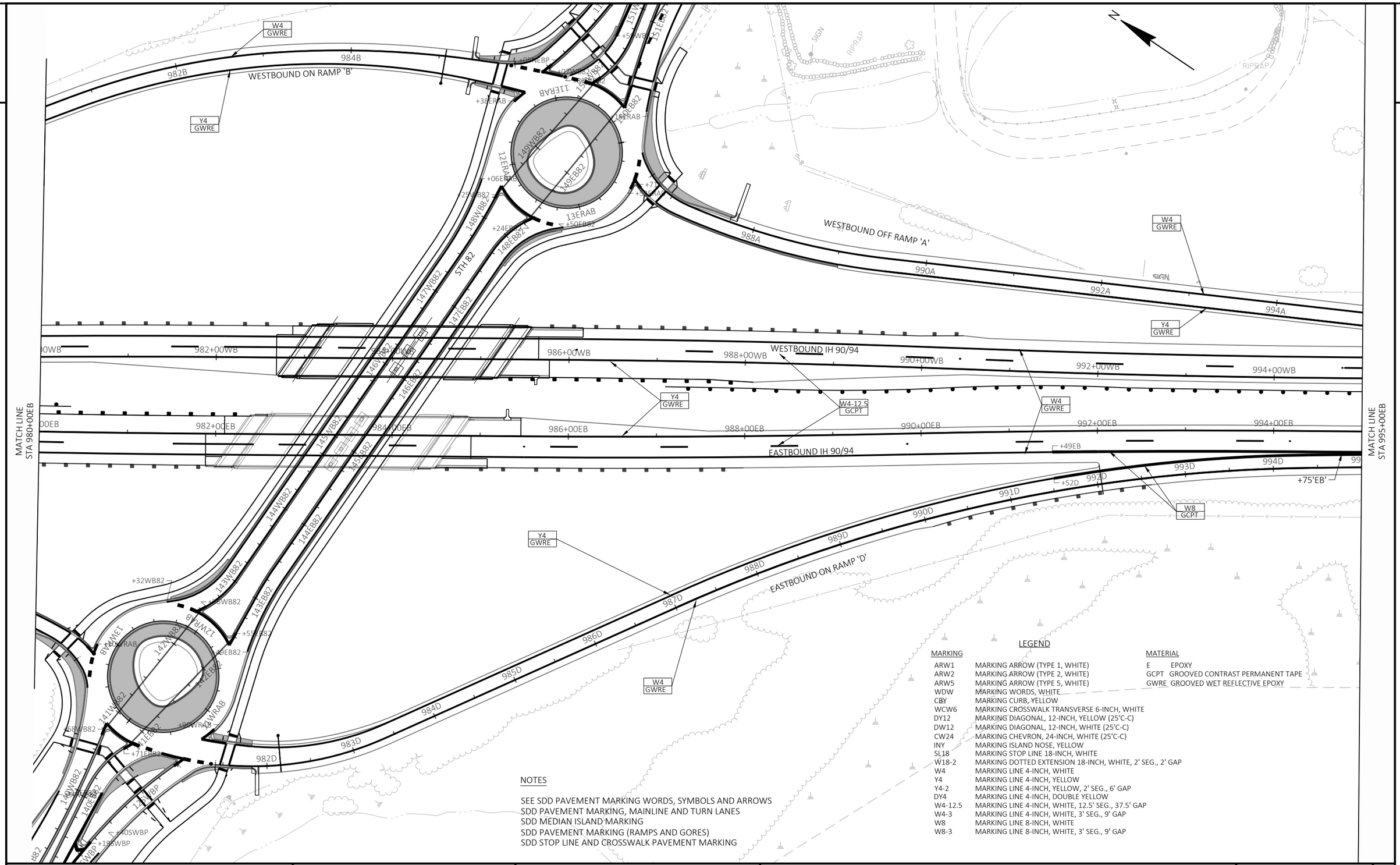
NOTES

SEE SDD PAVEMENT MARKING WORDS, SYMBOLS AND ARROWS
SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 175	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 023203-pm
PLOT DATE : 10/27/2021 6:53 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

NOTES

SEE SDD PAVEMENT MARKING WORDS, SYMBOLS AND ARROWS
SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 176	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 023204-pm
PLOT DATE : 10/27/2021 6:54 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE
STA 995+00EB

MATCH LINE
STA 1010+00EB

CW24
E

W8
GCPT

W8-3
GCPT

W4
GWRE

Y4
GWRE

W4-12.5
GCPT

+24A

996A

998A

+23WB

996+00WB

998+00WB

+88WB

+38WB

1000+00WB

1002+00WB

1004+00WB

+00WB

WESTBOUND IH 90/94

+26WB

1006+00WB

1008+00WB

1010+

996+00EB

998+00EB

1000+00EB

1002+00EB

1004+00EB

1006+00EB

1008+00EB

1010+

+67EB

997D

+29EB

+40EB

+40EB

EASTBOUND IH 90/94

W8-3
GCPT

W4
GWRE

NOTES

SEE SDD PAVEMENT MARKING WORDS, SYMBOLS AND ARROWS
SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

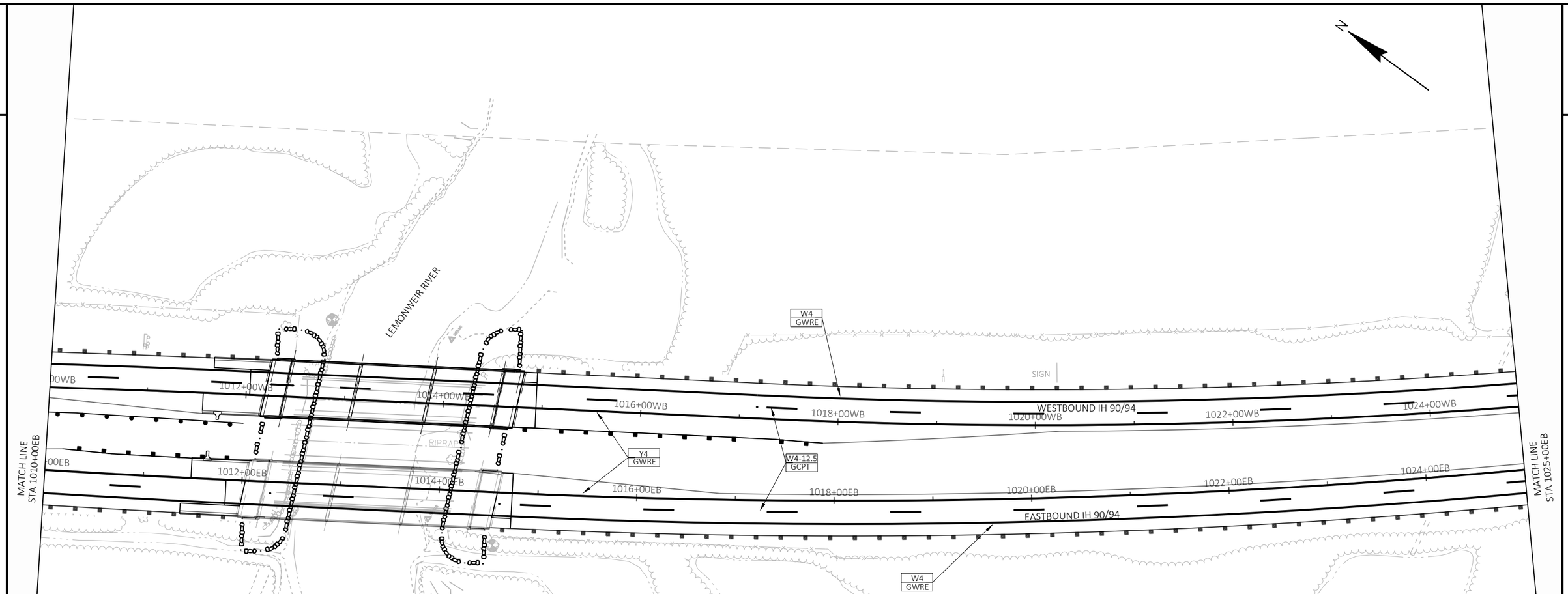
LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 177	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 023205-pm
PLOT DATE : 10/27/2021 6:54 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

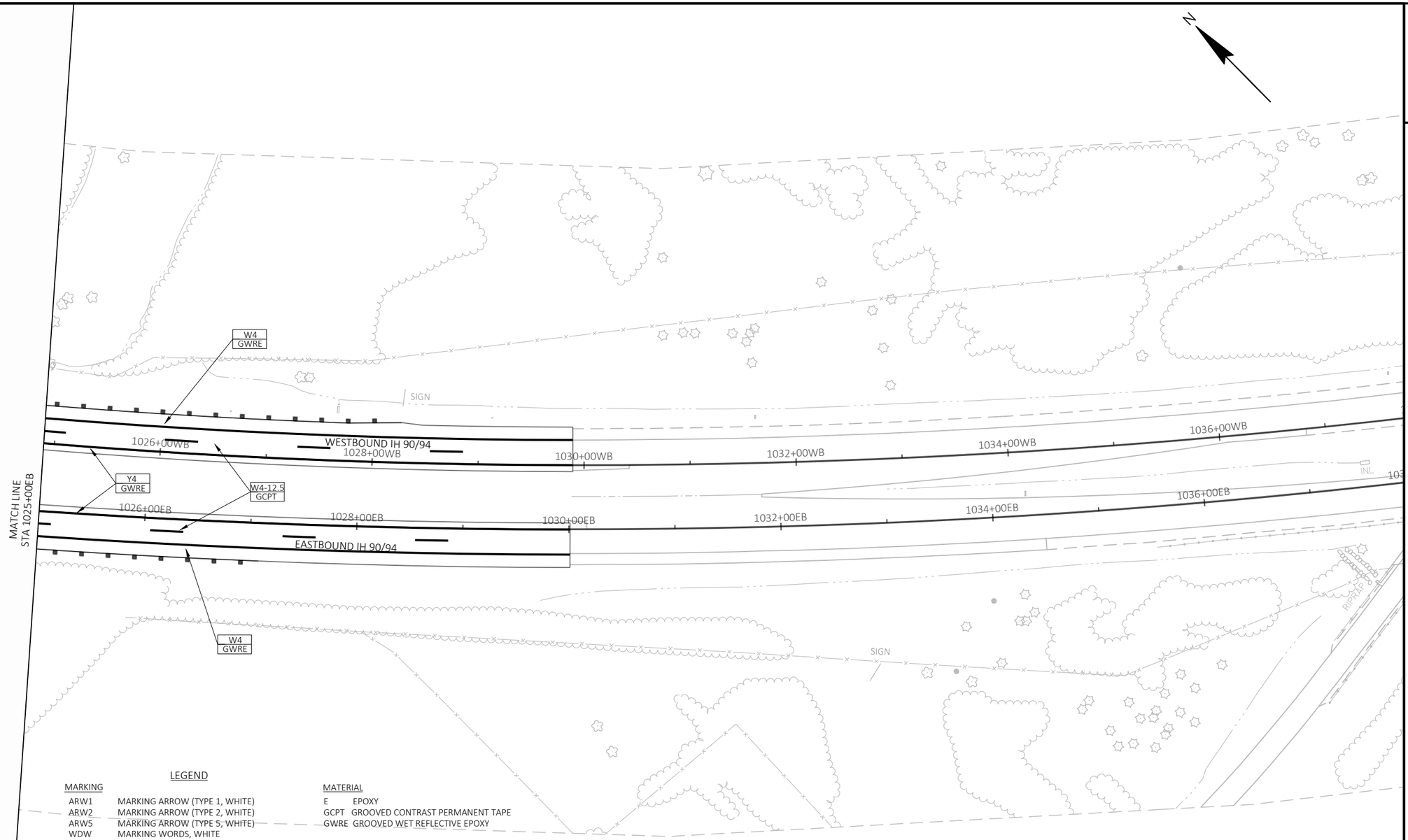
MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

NOTES

SEE SDD PAVEMENT MARKING WORDS, SYMBOLS AND ARROWS
SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 178	E

2



LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
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DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
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W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

NOTES

SEE SDD PAVEMENT MARKING WORDS, SYMBOLS AND ARROWS
SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 179	E

2

LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

N

POST

POST

MH

MH

MH

POST

W

W8 E

ARW2 E

W4-12.5 E

W4 E

12'

+22WB82

+36WB82

+37WB82

WESTBOUND STH 82

+22WB82

12'

+61WB82

130WB82

131WB82

132WB82

133WB82

134W

Y4 E

130EB82

131EB82

132EB82

133EB82

134E

MATCH LINE
STA 134+00EB82

EASTBOUND STH 82

W4-12.5 E

W4 E

SIGN

SIGN

NOTES

SEE SDD PAVEMENT MARKING WORDS, SYMBOLS AND ARROWS
SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 180	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 023208-pm
PLOT DATE : 10/27/2021 6:56 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

SIGN

MH

SIGN

IP

IP

MATCH LINE
STA 134+00EB82

MATCH LINE
STA 139+50EB82

WESTBOUND STH 82

EASTBOUND STH 82

W4
E

W4-12.5
E

W8
E

WDW
E

ARW2
E

DW12
E

W8-3
E

W4-3
E

ARW1
E

12'

8'

+04WB82

+02EB82

+43EB82

+68EB82

135WB82

136WB82

137WB82

138WB82

139WB82

135EB82

136EB82

137EB82

138EB82

139EB82

11SWBP

POST

SIGN

SIGN

IP

IP

IP

IP

LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

NOTES

SEE SDD PAVEMENT MARKING WORDS, SYMBOLS AND ARROWS
SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 181	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 023209-pm
PLOT DATE : 10/27/2021 6:56 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

EASTBOUND OFF RAMP 'C'

980C

EASTBOUND IH 90/94

982+00EB

WESTBOUND STH 82

EASTBOUND STH 82

EASTBOUND ON RAMP 'D'

982D

MATCH LINE STA 139+50EB82

MATCH LINE STA 145+00EB82

Y4 GWRE

W4 GWRE

WCW6 E

W8 E

W18-2 E

W4 E

Y4 E

W4-3 E

+10WRAB

13WRAB

+32WB82

+68WB82

141WB82

142WB82

+56WB82

143WB82

144WB82

+90WB82

140WB82

12WRAB

140EB82

+13EB82

+71EB82

141EB82

142EB82

143EB82

144EB82

+55EB82

+49EB82

+19SWBP

+40SWBP

12SWBP

11WRAB

+90WRAB

LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
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DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

NOTES

SEE SDD PAVEMENT MARKING WORDS, SYMBOLS AND ARROWS
SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 182	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 023210-pm
PLOT DATE : 10/27/2021 6:56 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
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W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
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DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

N

WESTBOUND STH 82

EASTBOUND STH 82

WESTBOUND ON RAMP 'B'

WESTBOUND OFF RAMP 'A'

WESTBOUND IH 90/94

EASTBOUND IH 90/94

MATCH LINE STA 145+00EB82

MATCH LINE STA 150+50EB82

+13'WB82'

+25WB82

+24EB82

+50EB82

+06ERAB

+38ERAB

+05NEBP

+86WB82

+18ERAB

+52ERAB

+71A

12ERAB

11ERAB

13ERAB

146WB82

147WB82

148WB82

149WB82

150WB82

146EB82

147EB82

148EB82

149EB82

150EB82

984+00WB

984+00EB

986+00WB

986+00EB

NOTES

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SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

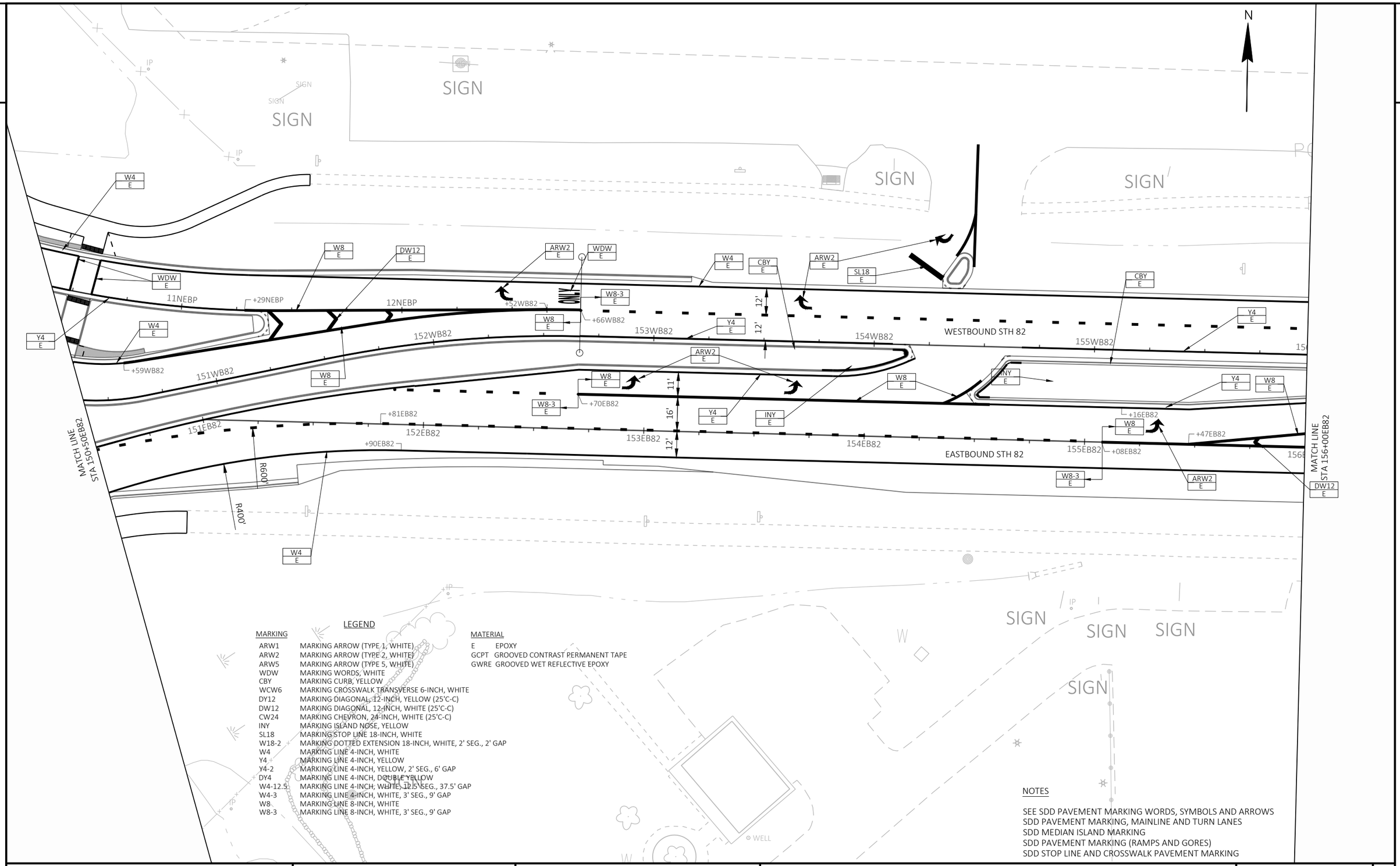
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 183	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 023211-pm

PLOT DATE : 10/27/2021 6:57 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

NOTES

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SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
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SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 184	E

2

N

COMMERCIAL STREET

WESTBOUND STH 82

EASTBOUND STH 82

MATCH LINE
STA 156+00EB82

MATCH LINE
STA 161+50EB82

SIGN

POST

RIPRAP

MWEL

IP

ONLY

R190'

NOTES

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SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

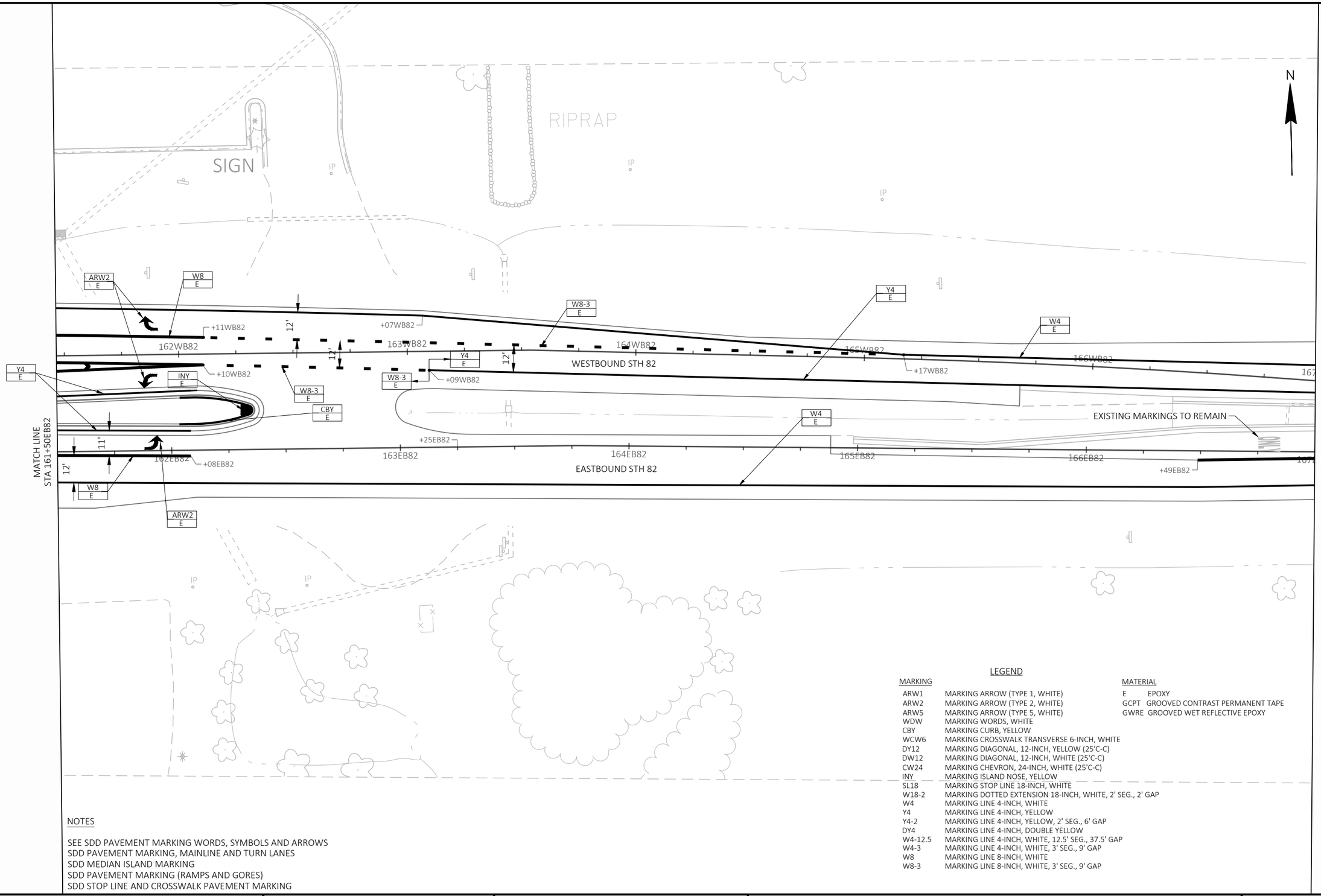
LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
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SL18	MARKING STOP LINE 18-INCH, WHITE		
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP		
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Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 185	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 023213-pm
PLOT DATE : 10/27/2021 6:58 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
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W4	MARKING LINE 4-INCH, WHITE		
Y4	MARKING LINE 4-INCH, YELLOW		
Y4-2	MARKING LINE 4-INCH, YELLOW, 2' SEG., 6' GAP		
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

NOTES

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SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
SDD MEDIAN ISLAND MARKING
SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 186	E

2

2

LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
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DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
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DY4	MARKING LINE 4-INCH, DOUBLE YELLOW		
W4-12.5	MARKING LINE 4-INCH, WHITE, 12.5' SEG., 37.5' GAP		
W4-3	MARKING LINE 4-INCH, WHITE, 3' SEG., 9' GAP		
W8	MARKING LINE 8-INCH, WHITE		
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP		

N

LODGE LANE

MATCH LINE
STA 167+00EB82

MATCH LINE
STA 172+50EB82

W4 E
+13WB82
+54WB82
12'
WB82
168WB82
169WB82
Y4 E
EXISTING MARKINGS TO REMAIN
+93EB82
168EB82
169EB82
12'
W8 E
W4 E

ARW2 E
W8 E
W4 E
ARW2 E
DY4 E
12'
+92EB82
+53EB82
+53EB82
12'
170WB82
WESTBOUND STH 82
170EB82
171EB82
172EB82
EASTBOUND STH 82

NOTES

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SDD PAVEMENT MARKING, MAINLINE AND TURN LANES
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SDD PAVEMENT MARKING (RAMPS AND GORES)
SDD STOP LINE AND CROSSWALK PAVEMENT MARKING

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 187	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 023215-pm

PLOT DATE : 10/27/2021 6:59 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

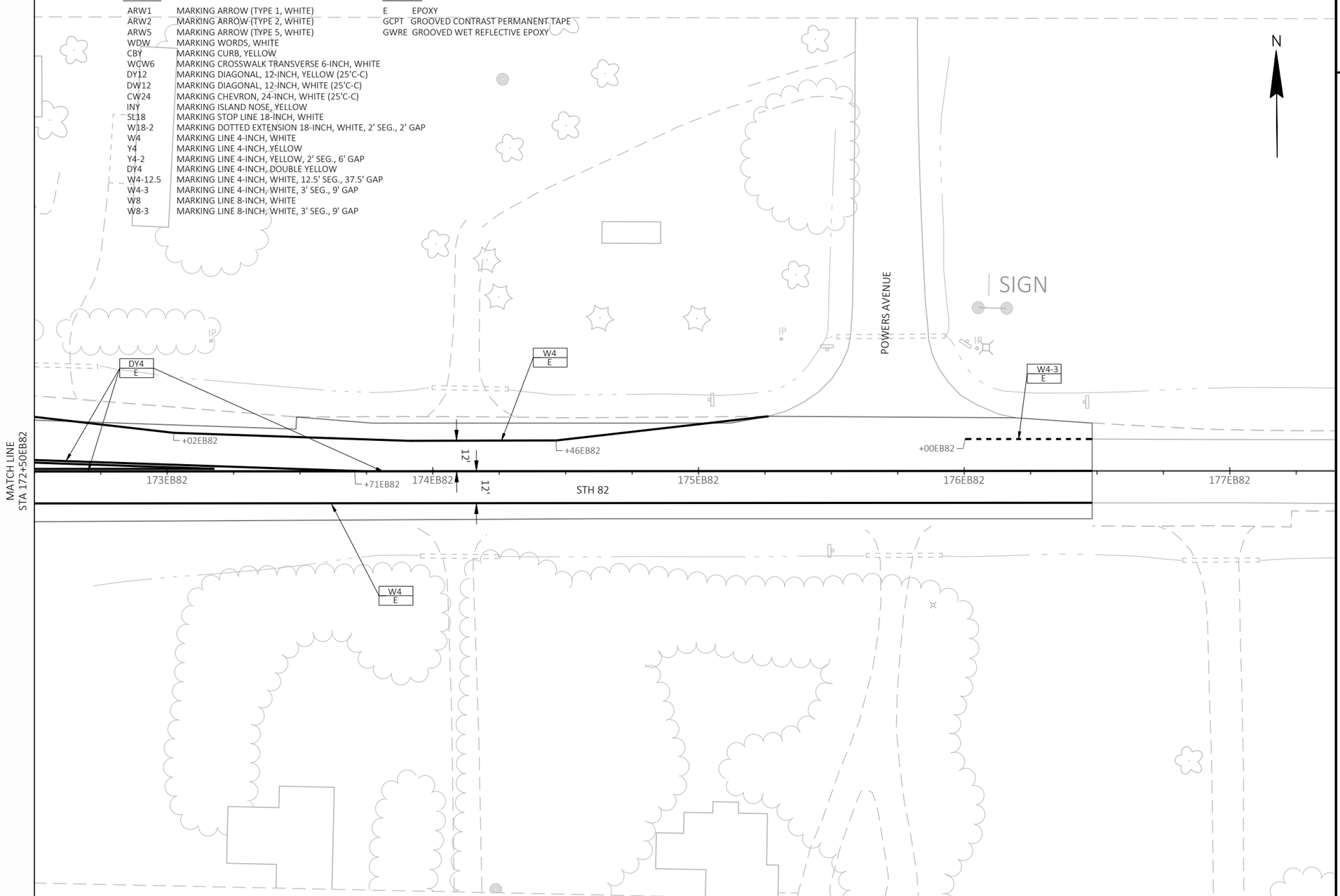
WISDOT/CADDS SHEET 42

2

2

LEGEND

MARKING		MATERIAL	
ARW1	MARKING ARROW (TYPE 1, WHITE)	E	EPOXY
ARW2	MARKING ARROW (TYPE 2, WHITE)	GCPT	GROOVED CONTRAST PERMANENT TAPE
ARW5	MARKING ARROW (TYPE 5, WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
WDW	MARKING WORDS, WHITE		
CBY	MARKING CURB, YELLOW		
WCW6	MARKING CROSSWALK TRANSVERSE 6-INCH, WHITE		
DY12	MARKING DIAGONAL, 12-INCH, YELLOW (25'C-C)		
DW12	MARKING DIAGONAL, 12-INCH, WHITE (25'C-C)		
CW24	MARKING CHEVRON, 24-INCH, WHITE (25'C-C)		
INY	MARKING ISLAND NOSE, YELLOW		
SL18	MARKING STOP LINE 18-INCH, WHITE		
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PAVEMENT MARKINGS	SHEET 188	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\024501-PM.DWG
LAYOUT NAME - 023216-pm
PLOT DATE : 10/27/2021 6:59 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

TRAFFIC CONTROL GENERAL NOTES

1. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
2. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
3. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
4. TRAFFIC CONTROL DRUMS IN TAPERS SHALL BE EQUIPPED WITH TRAFFIC CONTROL WARNING LIGHTS, TYPE "C", ONE WAY LIGHTS IN TAPERS ONLY. UNLESS OTHERWISE SHOWN, DRUMS SHALL BE SPACED AT 25-FT OC IN TAPERS AND 50-FT OC ON TANGENTS OR AS OTHERWISE SHOWN.
5. ALL SIGNS, TEMPORARY OR EXISTING WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY CHOOSE TO REMOVE AND REINSTALL THEM.
6. ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.
7. CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECT BY THE ENGINEER.
8. ALL TRAFFIC CONTROL SIGNS LOCATED IN THE MEDIAN ARE TO BE MOUNTED ON MEDIAN BARRIER, SEE CONSTRUCTION DETAIL.
9. THE LANE CLOSURE SERIES SHALL BE INSTALLED AS A COMPLETE UNIT WHICH INCLUDES ALL ADVANCED WARNING SIGNS, DRUMS, AND ARROW BOARDS.
10. PAVEMENT MARKINGS ARE AS SHOWN ON STAGING TYPICAL SECTIONS UNLESS OTHERWISE SHOWN ON STAGING DETAIL SHEETS.
11. ALL TYPE III BARRICADES SHALL BE 8' WIDE UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY) FLASHING LIGHTS.
12. CONTRACTOR'S EQUIPMENT AND MATERIAL STOCKPILES MAY NOT BE STORED WITHIN THE MEDIAN OR CLEAR ZONE OF IH 90/94 UNLESS PROTECTED BY CONCRETE BARRIER TEMPORARY PRECAST.
13. UTILIZED EXISTING LEFT IN PLACE TEMPORARY CONCRETE BARRIER FROM PREVIOUS PROJECT (1016-05-80) FOR STAGE 2 CONFIGURATION.

TRAFFIC CONTROL ALIGNMENT ABBREVIATIONS

PROPOSED ALIGNMENTS:

EB = IH 90/94 EASTBOUND
WB = IH 90/94 WESTBOUND
EB82 = STH 82 EASTBOUND
WB82 = STH 82 WESTBOUND
A = IH 90/94 WESTBOUND OFF RAMP
B = IH 90/94 WESTBOUND ON RAMP
C = IH 90/94 EASTBOUND OFF RAMP
D = IH 90/94 EASTBOUND ON RAMP

TEMPORARY ALIGNMENTS:

T = IH 90/94 EASTBOUND TEMPORARY CROSSOVER
T1 = IH 90/94 WESTBOUND TEMPORARY CROSSOVER
X1 = IH 90/94 EASTBOUND OFF RAMP CROSSOVER (STAGE 1)
X2 = IH 90/94 EASTBOUND ON RAMP CROSSOVER (STAGE 1)
X3 = IH 90/94 EASTBOUND OFF RAMP CROSSOVER (STAGE 2)
X4 = IH 90/94 WESTBOUND ON RAMP CROSSOVER (STAGE 1)
X5 = IH 90/94 EASTBOUND ON RAMP CROSSOVER (STAGE 2)
X6 = H 90/94 WESTBOUND OFF RAMP CROSSOVER (STAGE 1)
X7 = IH 90/94 WESTBOUND ON RAMP CROSSOVER (STAGE 3)
X8 = IH 90/94 WESTBOUND OFF RAMP CROSSOVER (STAGE 3)
X9 = IH 90/94 EASTBOUND OFF RAMP CROSSOVER (STAGE 2)
X10 = IH 90/94 EASTBOUND ON RAMP CROSSOVER (STAGE 2)
X11 = IH 90/94 WESTBOUND ON RAMP CROSSOVER (STAGE 2)
X12 = IH 90/94 WESTBOUND OFF RAMP CROSSOVER (STAGE 3)

TRAFFIC CONTROL INDEX OF SHEETS

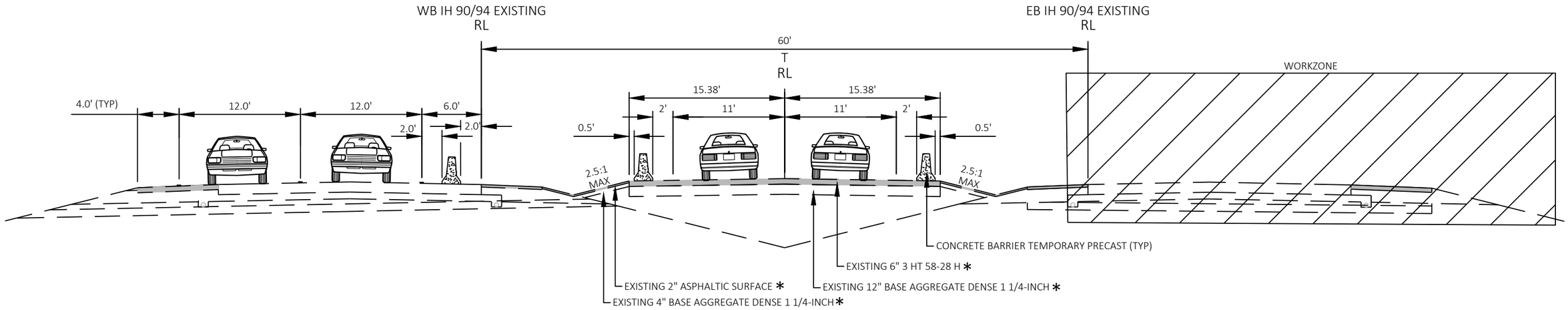
TRAFFIC CONTROL GENERAL NOTES
TRAFFIC CONTROL TYPICAL SECTIONS
TRAFFIC CONTROL OVERVIEWS
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 2A
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 2B
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 2C
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 2D
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 2E
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 2G
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 2F
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 3A
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 3 WINTER SHUTDOWN
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 3B
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 3C
TRAFFIC CONTROL STAGING PLAN SHEETS - STAGE 4
STH 82 FLAGGING DETAIL
PCMS OVERVIEW
ADVANCE WIDTH RESTRICTION DETAIL
DETOUR PLAN

TRAFFIC CONTROL SYMBOLS

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT (3 HT 58-28 S)
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- MARKING REMOVAL
- TEMPORARY CRASH CUSHION

PAVEMENT MARKING LEGEND

TP-A	TEMPORARY MARKING ARROW PAINT
TP-W	TEMPORARY MARKING WORD PAINT
TP-4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
TP-4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
TP-4DY	TEMPORARY MARKING LINE PAINT 4-INCH DOUBLE (YELLOW)
TP-8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
TP-18W	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
TP-4W-3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
TP-4Y-3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TP-4W-LL	TEMPORARY MARKING LINE PAINT, 4-INCH LANE LINE (4' DASH, 46' SKIP WHITE)
TR-4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR-4W-LL	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH LANE LINE (12.5' DASH, 37.5' SKIP WHITE)
TR-8W-3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH LANE LINE (3' DASH, 9' SKIP WHITE)
TR-8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR-4W-2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' WHITE)
TR-4Y-2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' YELLOW)
TE-4W	TEMPORARY MARKING LINE EPOXY, 4-INCH (WHITE)
TE-4Y	TEMPORARY MARKING LINE EPOXY, 4-INCH (YELLOW)
TE-8W	TEMPORARY MARKING LINE EPOXY, 8-INCH (WHITE)
TE-4W-LL	TEMPORARY MARKING LINE EPOXY, 4-INCH LANE LINE (12.5' DASH, 37.5' SKIP WHITE)
TE-4W-3D	TEMPORARY MARKING LINE EPOXY, 4-INCH (3' DASH, 9' SKIP WHITE)
TE-8W-3D	TEMPORARY MARKING LINE EPOXY, 8-INCH (3' DASH, 9' SKIP WHITE)
P-4W	MARKING LINE PAINT 4-INCH (WHITE)
P-4Y	MARKING LINE PAINT 4-INCH (YELLOW)
P-4W-LL	MARKING LINE PAINT 4-INCH (12.5' DASH, 37.5' SKIP WHITE)
P-8W	MARKING LINE PAINT 8-INCH (WHITE)
P-8W-3D	MARKING LINE PAINT 8-INCH (3' DASH, 9' SKIP WHITE)

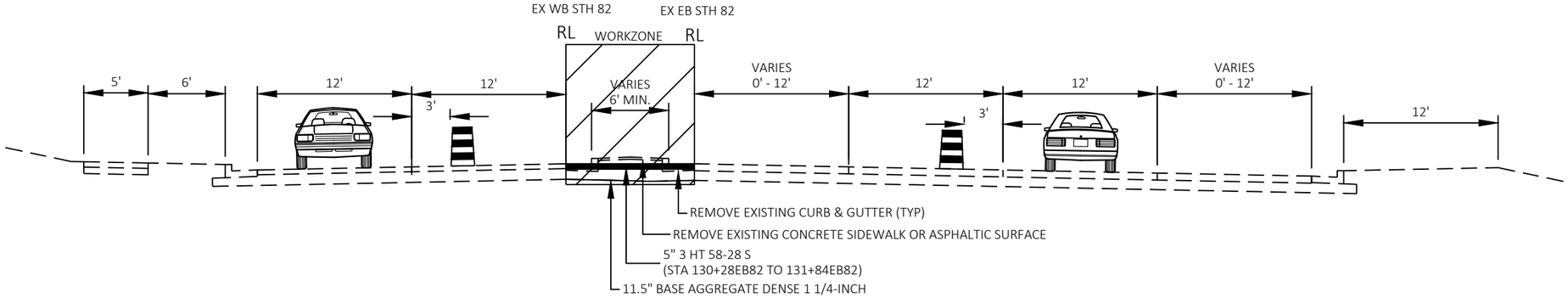


STAGE 2 TYPICAL SECTION TEMPORARY CROSSOVER IH 90/94
STA 938+48 T TO 1028+69 T

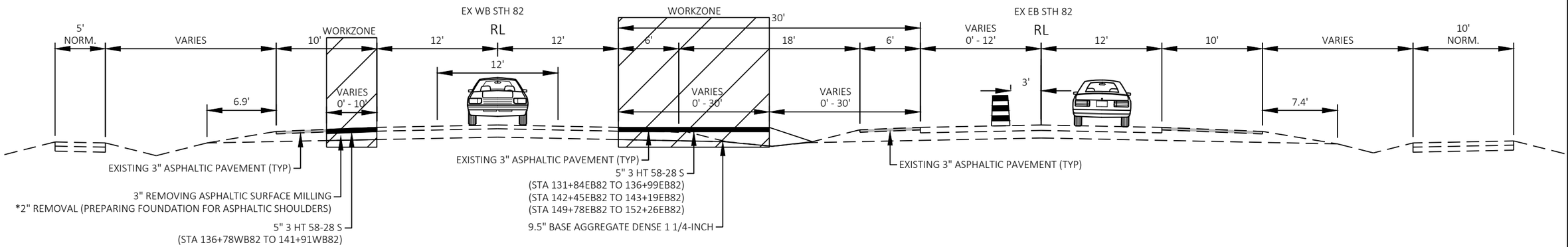
* = INSTALLED UNDER A PREVIOUS PROJECT, ID 1016-05-80

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL TYPICAL SECTIONS (STAGE 2)	SHEET 190	E

2



STAGE 2A TYPICAL SECTION STH 82 EASTBOUND
STA 129+81.97EB82 TO 131+84.35EB82



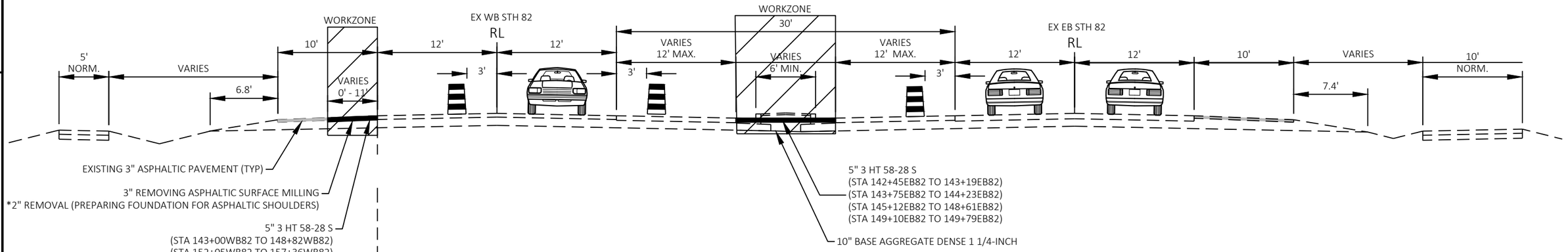
STAGE 2A TYPICAL SECTION STH 82 WESTBOUND
STA 131+85.44WB82 TO 142+43.34WB82
STA 149+79.83WB82 TO 152+26.14WB82
STA 162+35.16WB82 TO 166+03.73WB82

STAGE 2A TYPICAL SECTION STH 82 EASTBOUND
STA 131+84.35EB82 TO 142+40.63EB82
STA 149+78.65EB82 TO 152+31.64EB82
STA 162+38.66EB82 TO 165+88.64EB82

*2" GRAVEL TO BE REMOVED
WITH MILLING OPERATION

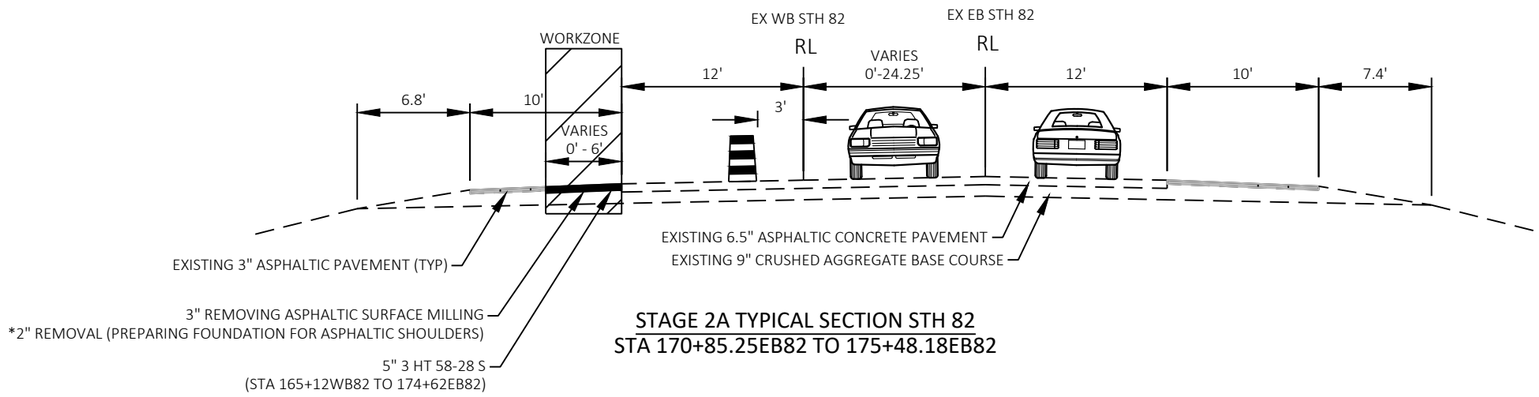
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL TYPICAL SECTIONS (STAGE 2A)	SHEET 191	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025100_TC_TYPICALS.DWG
LAYOUT NAME - 025101_tc
PLOT DATE : 10/20/2021 9:45 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STAGE 2A TYPICAL SECTION WITH CURB STH 82 WESTBOUND
STA 142+43.34WB82 TO 143+58.71WB82
STA 147+12.35WB82 TO 149+79.83WB82
STA 152+26.14WB82 TO 162+35.16WB82
STA 166+03.73WB82 TO 168+04.05WB82

STAGE 2A TYPICAL SECTION STH 82 EASTBOUND
STA 142+40.63EB82 TO 144+33.22EB82
STA 147+53.54EB82 TO 149+78.65EB82
STA 152+31.64EB82 TO 162+38.66EB82
STA 165+88.64EB82 TO 170+85.25EB82

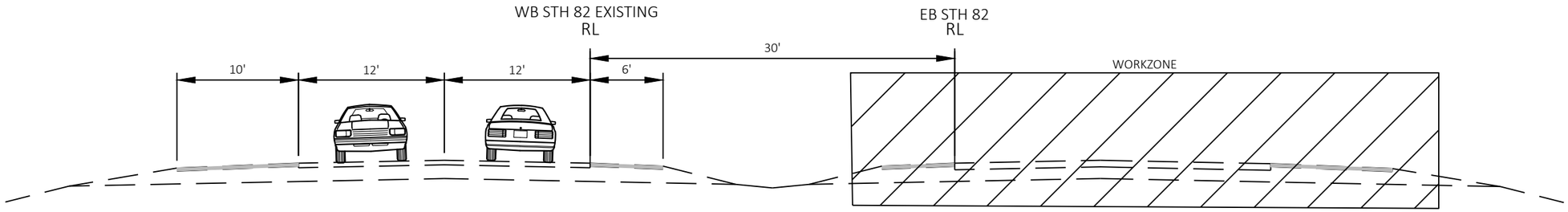


STAGE 2A TYPICAL SECTION STH 82
STA 170+85.25EB82 TO 175+48.18EB82

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL TYPICAL SECTIONS (STAGE 2A)	SHEET 192	E

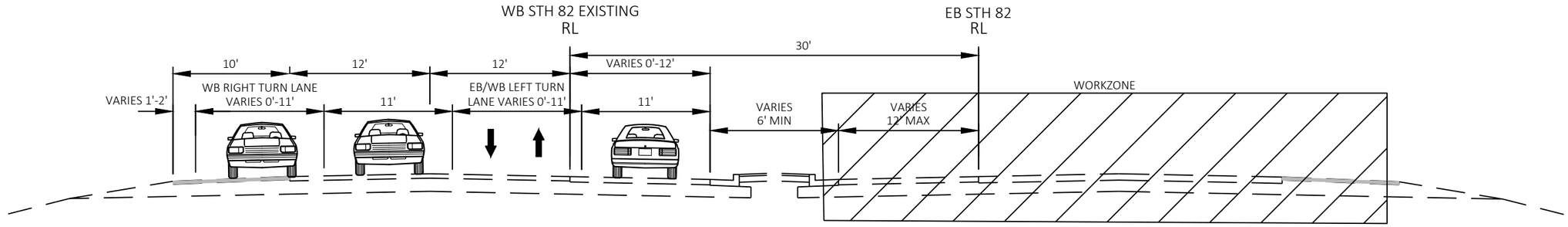
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LAYOUT NAME - 025102_tc
PLOT DATE : 10/20/2021 9:45 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



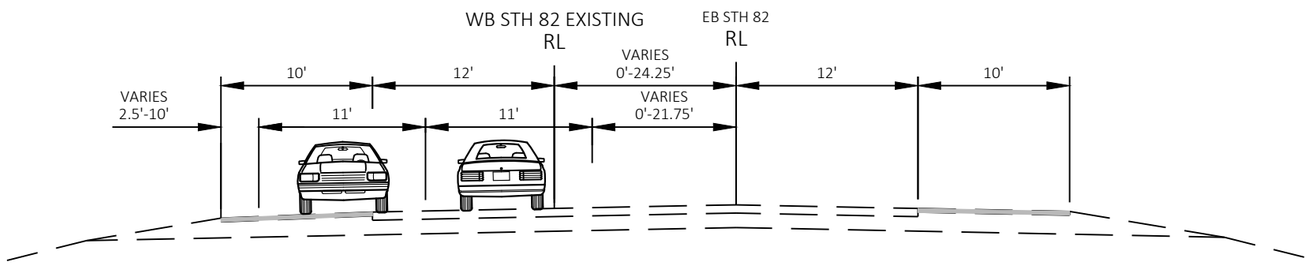
STAGE 2B/2C TYPICAL SECTION STH 82 WESTBOUND
STA 132+82WBEX82 TO 142+43WBEX82
STA 149+79WBEX82 TO 152+26WBEX82
STA 162+35WBEX82 TO 166+03WBEX82

STAGE 2B/2C TYPICAL SECTION STH 82 EASTBOUND
STA 131+85EB82 TO 142+42EB82
STA 149+79EB82 TO 152+26EB82
STA 162+35EB82 TO 166+03EB82



STAGE 2B/2C TYPICAL SECTION STH 82 WESTBOUND
STA 142+43WBEX82 TO 143+58WBEX82
STA 147+12WBEX82 TO 149+80WBEX82
STA 152+26WBEX82 TO 162+35WBEX82
STA 166+04WBEX82 TO 168+04WBEX82

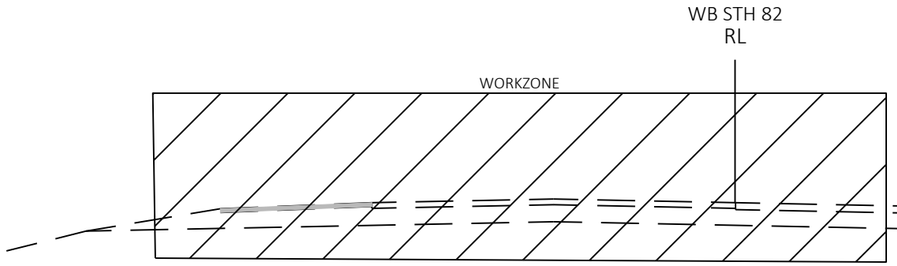
STAGE 2B/2C TYPICAL SECTION STH 82 EASTBOUND
STA 142+40EB82 TO 144+33EB82
STA 147+53EB82 TO 149+78EB82
STA 152+31EB82 TO 162+38EB82
STA 166+01EB82 TO 168+05EB82



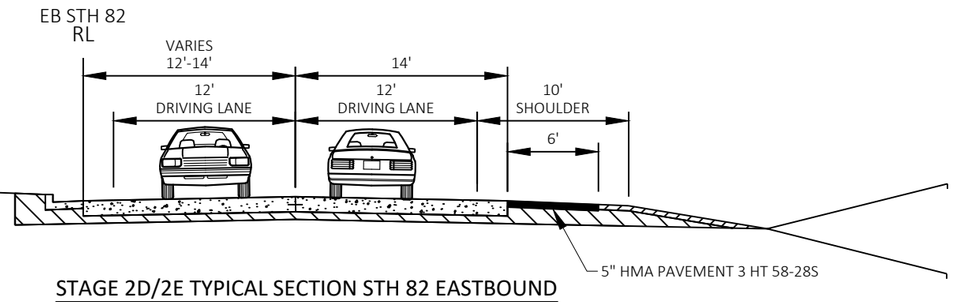
STAGE 2B/2C TYPICAL SECTION STH 82 WESTBOUND
STA 168+04WBEX82 TO 174+69WBEX82

STAGE 2B/2C TYPICAL SECTIONSTH 82 EASTBOUND
STA 168+05EB82 TO 174+69EB82

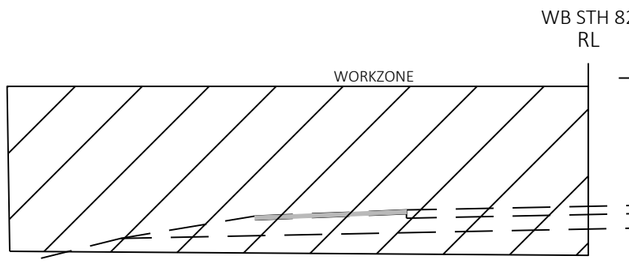
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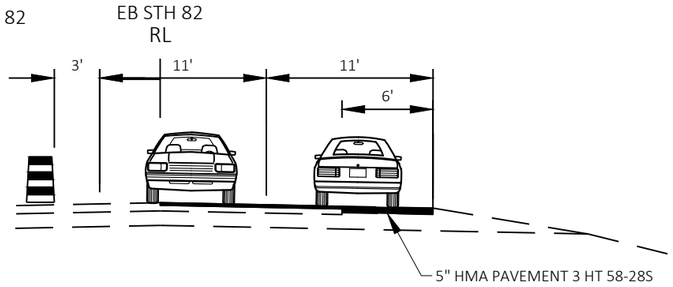
STAGE 2D/2E TYPICAL SECTION STH 82 WESTBOUND
STA 132+82WB82 TO 143+58WB82
STA 147+12WB82 TO 168+04WB82



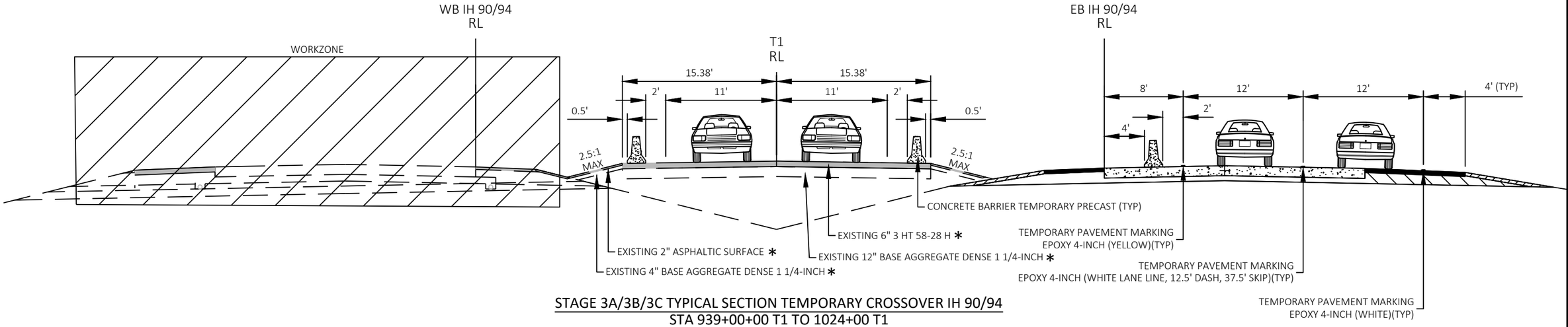
STAGE 2D/2E TYPICAL SECTION STH 82 EASTBOUND
STA 131+85EB82 TO 144+33EB82
STA 147+53EB82 TO 170+90EB82



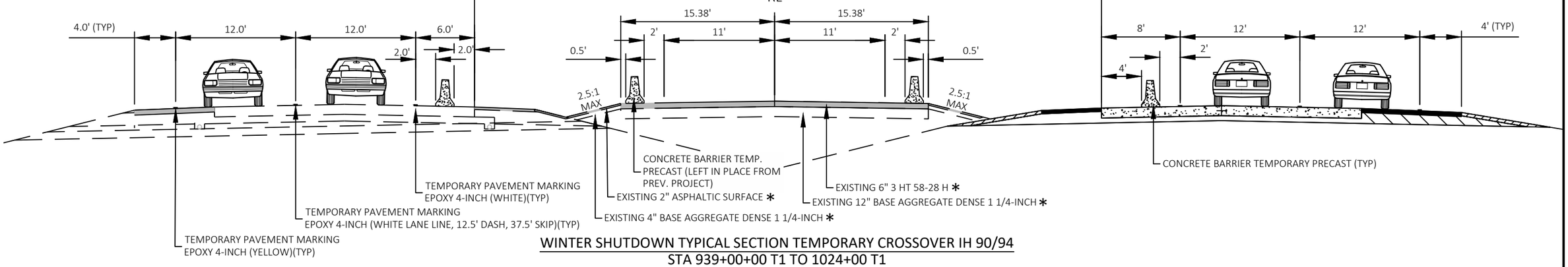
STAGE 2D/2E TYPICAL SECTION STH 82 WESTBOUND
STA 168+04WB82 TO 174+69WB82



STAGE 2D/2E TYPICAL SECTIONSTH 82 EASTBOUND
STA 170+90EB82 TO 174+69EB82

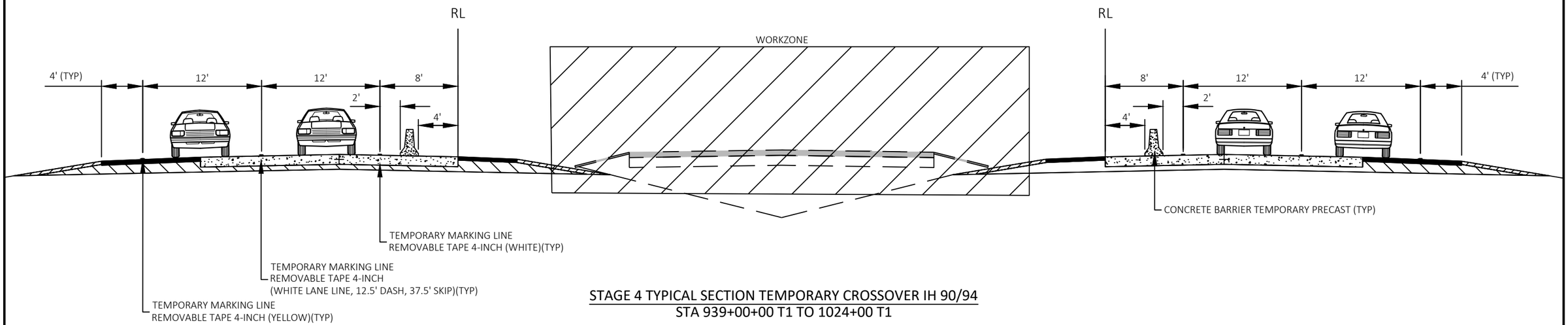


STAGE 3A/3B/3C TYPICAL SECTION TEMPORARY CROSSOVER IH 90/94
STA 939+00+00 T1 TO 1024+00 T1



WINTER SHUTDOWN TYPICAL SECTION TEMPORARY CROSSOVER IH 90/94
STA 939+00+00 T1 TO 1024+00 T1

2

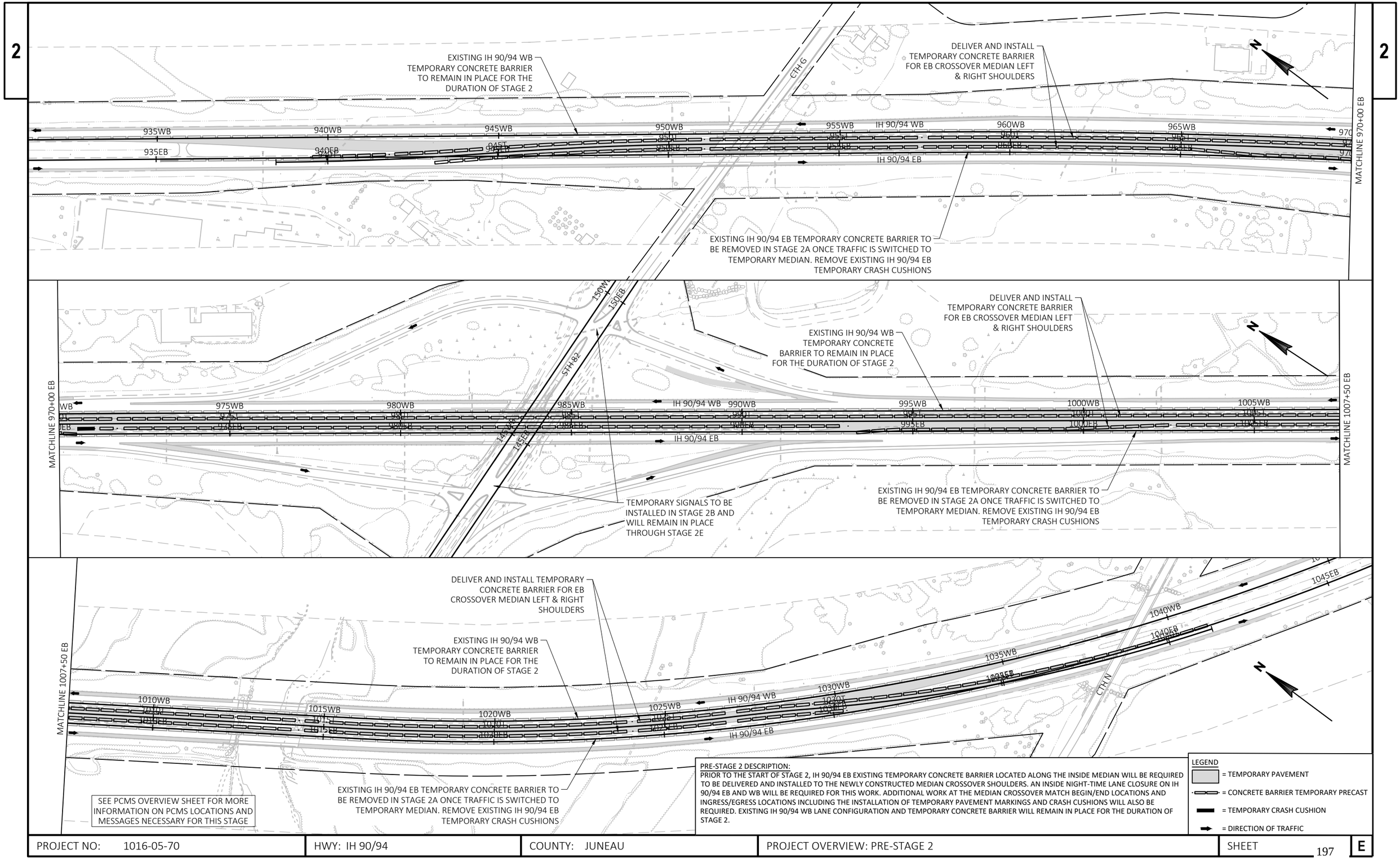


STAGE 4 TYPICAL SECTION TEMPORARY CROSSOVER IH 90/94
STA 939+00+00 T1 TO 1024+00 T1

* = INSTALLED UNDER A PREVIOUS PROJECT, ID 1016-05-80

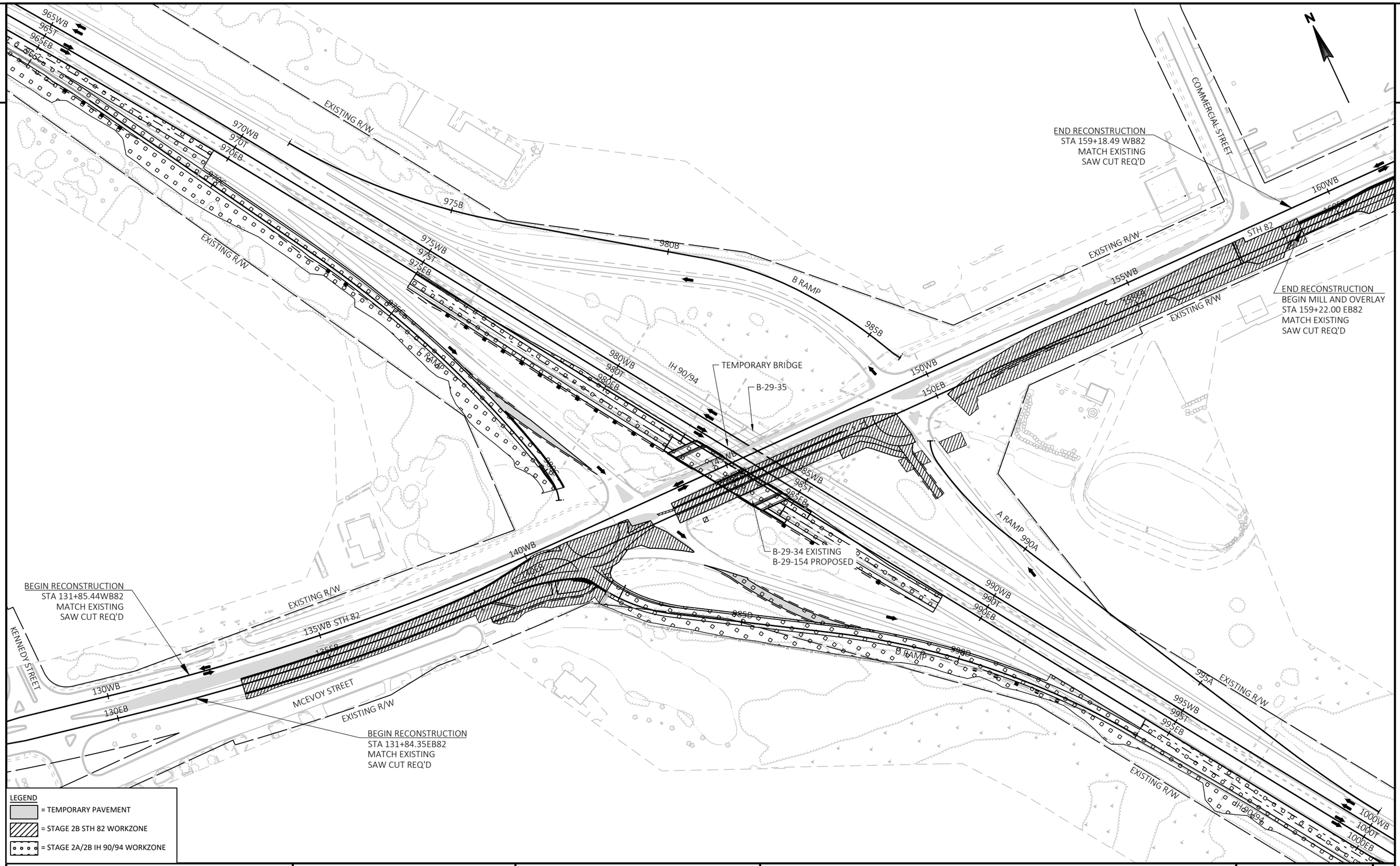
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL TYPICAL SECTIONS (STAGE 4)	SHEET 196	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025100_TC_TYPICALS.DWG
LAYOUT NAME - 025106_tc
PLOT DATE : 10/20/2021 9:45 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PROJECT OVERVIEW: PRE-STAGE 2	SHEET 197	E

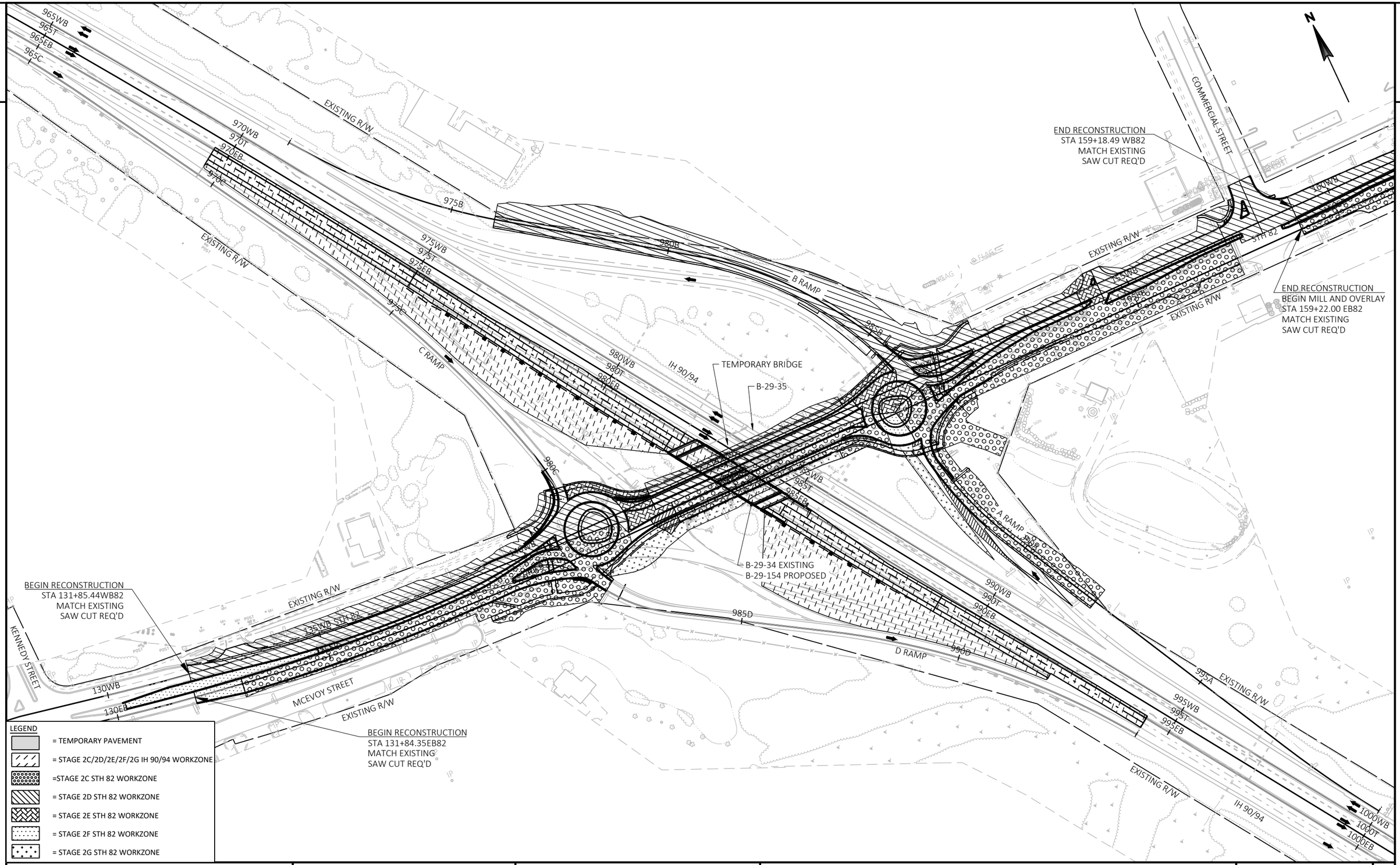
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LAYOUT NAME - 025101_tc_overview_pre-s2a
PLOT DATE : 10/13/2021 11:20 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:250 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PROJECT OVERVIEW: STAGE 2	SHEET 198	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_OVERVIEW_S2.DWG
LAYOUT NAME - 025101_tc_overview_s2a-2b

PLOT DATE : 10/21/2021 9:16 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:200 FT



LEGEND

- = TEMPORARY PAVEMENT
- = STAGE 2C/2D/2E/2F/2G IH 90/94 WORKZONE
- =STAGE 2C STH 82 WORKZONE
- = STAGE 2D STH 82 WORKZONE
- = STAGE 2E STH 82 WORKZONE
- = STAGE 2F STH 82 WORKZONE
- = STAGE 2G STH 82 WORKZONE

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PROJECT OVERVIEW: STAGE 2	SHEET 199	E

REMOVE EXISTING LEFT IN-PLACE TEMPORARY CONCRETE BARRIER

DELIVER AND INSTALL CROSSOVER BEGIN/END TEMPORARY CONCRETE BARRIER

EXISTING TEMPORARY CONCRETE BARRIER ON EXISTING IH 90/94 WB INSIDE SHOULDER TO BE REMOVED IN STAGE 3A ONCE TRAFFIC IS SWITCHED TO TEMPORARY MEDIAN

REMOVE EXISTING MEDIAN TEMPORARY CONCRETE BARRIER AND INSTALL FOR NEW WB CROSSOVER ON-RAMP.

DELIVER AND INSTALL IH 90/94 EB TEMPORARY CONCRETE BARRIER ON NEWLY CONSTRUCTED LANES TO REMAIN IN PLACE FOR THE DURATION OF STAGE 3

DELIVER AND INSTALL TEMPORARY CONCRETE BARRIER FOR WB CROSSOVER MEDIAN LEFT SHOULDER THAT WAS PREVIOUSLY GAPPED FOR MEDIAN OFF-RAMP

REMOVE EXISTING MEDIAN TEMPORARY CONCRETE BARRIER AND INSTALL FOR NEW WB CROSSOVER ON-RAMP

TEMPORARY CONCRETE BARRIER ON EXISTING IH 90/94 WB INSIDE SHOULDER TO BE REMOVED IN STAGE 3A ONCE TRAFFIC IS SWITCHED TO TEMPORARY MEDIAN

REMOVE EXISTING MEDIAN TEMPORARY CONCRETE BARRIER AND INSTALL FOR NEW WB CROSSOVER OFF-RAMP

DELIVER AND INSTALL IH 90/94 EB TEMPORARY CONCRETE BARRIER ON NEWLY CONSTRUCTED LANES TO REMAIN IN PLACE FOR THE DURATION OF STAGE 3

INSTALL TEMPORARY CONCRETE BARRIER FOR WB CROSSOVER LEFT SHOULDER THAT WAS PREVIOUSLY GAPPED FOR MEDIAN ON-RAMP

TEMPORARY CONCRETE BARRIER ON EXISTING IH 90/94 WB INSIDE SHOULDER TO BE REMOVED IN STAGE 3A ONCE TRAFFIC IS SWITCHED TO TEMPORARY MEDIAN

REMOVE EXISTING LEFT IN-PLACE TEMPORARY CONCRETE BARRIER

DELIVER AND INSTALL CROSSOVER BEGIN/END TEMPORARY CONCRETE BARRIER

INSTALL TEMPORARY CONCRETE BARRIER FOR WB CROSSOVER LEFT SHOULDER THAT WAS PREVIOUSLY GAPPED FOR MEDIAN ON-RAMP

SEE PCMS OVERVIEW SHEET FOR MORE INFORMATION ON PCMS LOCATIONS AND MESSAGES NECESSARY FOR THIS STAGE

DELIVER AND INSTALL IH 90/94 EB TEMPORARY CONCRETE BARRIER ON NEWLY CONSTRUCTED LANES TO REMAIN IN PLACE FOR THE DURATION OF STAGE 3

PRE-STAGE 3 DESCRIPTION:
PRIOR TO THE START OF STAGE 3, DELIVER AND INSTALL IH 90/94 EB INSIDE SHOULDER TEMPORARY BARRIER. AN INSIDE NIGHT-TIME LANE CLOSURE ON IH 90/94 EB. ADDITIONAL WORK AT THE NEW MEDIAN ON/OFF-RAMP LOCATIONS, MEDIAN CROSSOVER MATCH BEGIN/END LOCATIONS, AND INGRESS/EGRESS LOCATIONS INCLUDING THE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND CRASH CUSHIONS WILL ALSO BE REQUIRED.

LEGEND
= TEMPORARY PAVEMENT
= CONCRETE BARRIER TEMPORARY PRECAST
= TEMPORARY CRASH CUSHION
= DIRECTION OF TRAFFIC

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PROJECT OVERVIEW: PRE-STAGE 3A	SHEET 200	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_OVERVIEW_PRE-S3.DWG
LAYOUT NAME - 025101_tc_overview_pre-s3a
PLOT DATE : 10/26/2021 3:30 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:250 FT
WISDOT/CADDS SHEET 42

2

2

B-29-37 (EXISTING)
B-29-37 (PROPOSED)

CTH G

EXISTING R/W

940WB
945WB
950WB
955WB
960WB
965WB

940EB
945EB
950EB
955EB
960EB
965EB
965C

IH 90/94
IH 90/94

EXISTING R/W

TEMPORARY BRIDGE

B RAMP
985B
980B
150WB
150EB

EXISTING R/W

975B

B-29-35 (EXISTING)
B-29-155 (PROPOSED)

990A RAMP
995A
EXISTING R/W

970WB
975WB
980WB
985WB
990WB
995WB
1000WB

970EB
975EB
980EB
985EB
990EB
995EB
1000EB

IH 90/94
IH 90/94

145WB
145EB

970C
975C
C RAMP

TEMPORARY BRIDGE

STH 82

B-29-154

990D
D RAMP
IH 90/94
EXISTING R/W

LEMONWEIR RIVER

B-26-33 (EXISTING)
B-29-153 (PROPOSED)

EXISTING R/W

1000WB
1005WB
1010WB
1015WB
1020WB
1025WB
1030EB

1000EB
1005EB
1010EB
1015EB
1020EB
1025EB

IH 90/94
IH 90/94

EXISTING R/W

TEMPORARY BRIDGE

LEGEND
= TEMPORARY PAVEMENT
=STAGE 3A WORKZONE
= STAGE 3B WORKZONE
= STAGE 3C WORKZONE

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PROJECT OVERVIEW: STAGE 3	SHEET 201	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_OVERVIEW_S3.DWG
LAYOUT NAME - 025101_tc_overview_s3

PLOT DATE : 10/15/2021 9:55 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

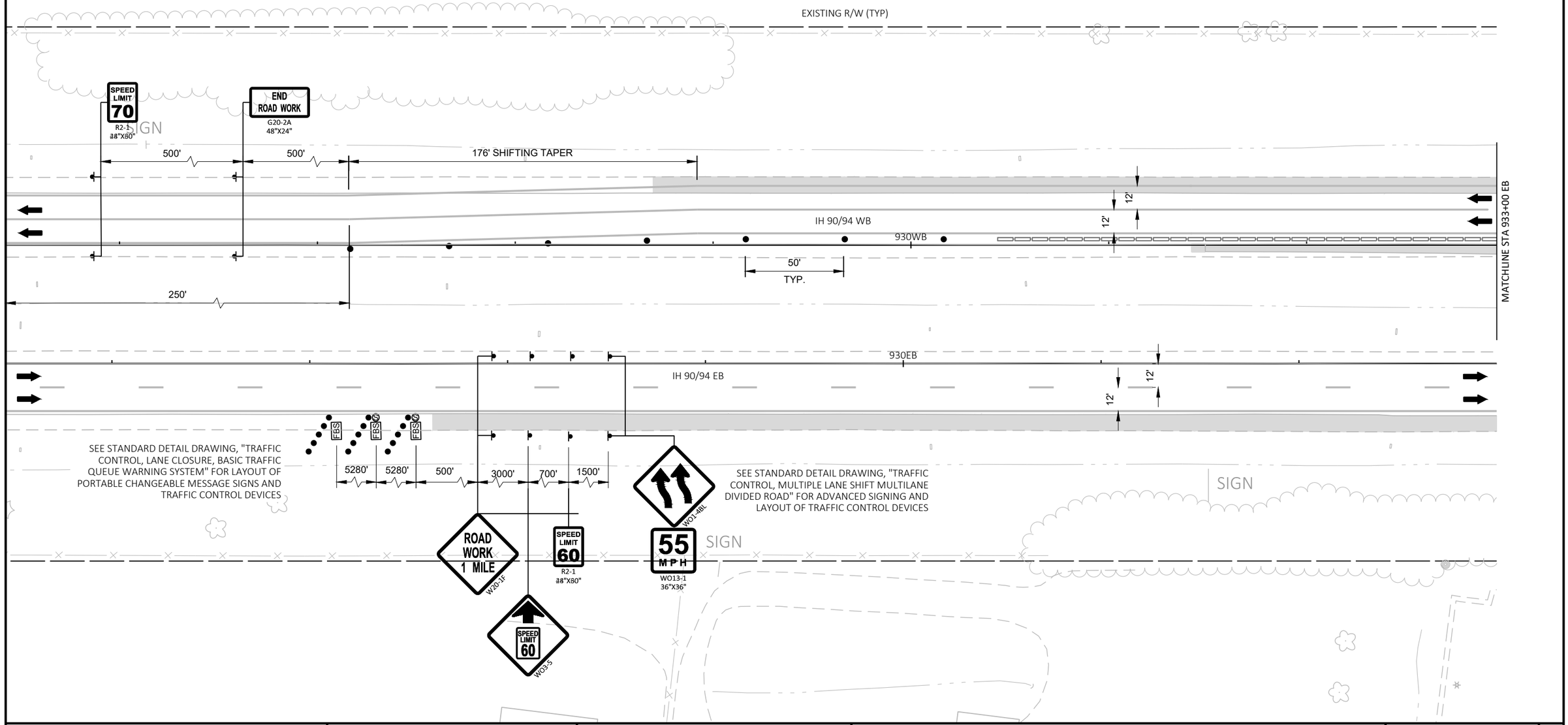
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

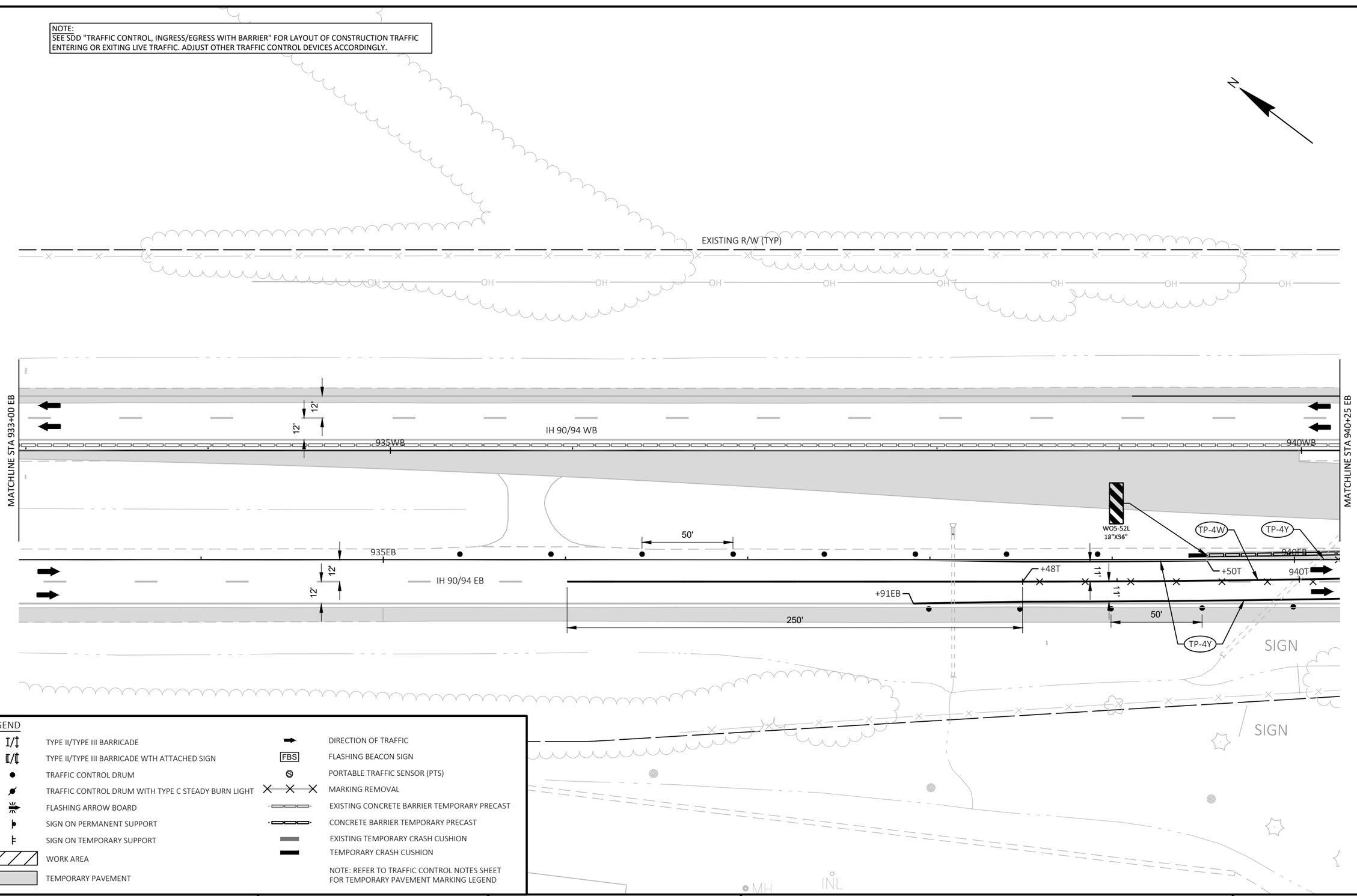
STAGE 2A DESCRIPTION:
INSTALL TEMPORARY SIGNALS AT THE STH 82 RAMP TERMINAL INTERSECTIONS PRIOR TO STAGE 2B.
STAGE 2A: IH 90/94 EB TRAFFIC WILL BE SHIFTED TO THE NEW TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN WITH CONNECTIONS TO THE EXISTING IH 90/94 EB EXIT AND ENTRANCE RAMPS AT THE STH 82 INTERCHANGE. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT IH 90/94 EB LANES AND IH 90/94 EB EXIT/ENTRANCE RAMPS AT THE STH 82 INTERCHANGE. ALSO, CONSTRUCT THE IH 90/94 EB STRUCTURES OVER STH 82 AND LEMONWEIR RIVER, AND CONCRETE OVERLAY THE IH 90/94 EB BRIDGE OVER CTH G. ON STH 82, REMOVE CURB AND GUTTER AND PLACE TEMPORARY ASPHALT FOR MEDIAN CROSSOVERS AND TEMPORARY PAVEMENT WIDENING AT THE IH 90/94 WB EXIT AND ENTRANCE RAMPS IN ANTICIPATION OF STAGE 2B AND 2C CONSTRUCTION. CONSTRUCT TEMPORARY RAMP CONNECTIONS BETWEEN THE IH 90/94 WB EXISTING/PROPOSED EXIT AND ENTRANCE RAMPS IN ANTICIPATION OF TRAFFIC IN STAGES 3A/3B. THE EXISTING INGRESS/EGRESS LOCATIONS FROM PROJECT 1016-05-80 TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION: INGRESS/EGRESS LOCATIONS WEST OF CTH G, BETWEEN CTH G AND STH 32, BETWEEN STH 82 AND LEMONWEIR RIVER, AND EAST OF LEMONWEIR RIVER.

TRAFFIC ON STH 82 WILL BE REDUCED TO ONE LANE IN EACH DIRECTION. SHIFT TRAFFIC TO OUTSIDE LANES ON STH 82 TO CONSTRUCT MEDIAN TEMPORARY PAVEMENT FOR CROSSOVER CONNECTIONS TO EXISTING STH 82. THE PORK CHOP ISLAND TEMPORARY PAVEMENT AND THE RAMP TEMPORARY PAVEMENT WIDENING AT THE IH 90/94 WB EXIT AND ENTRANCE RAMPS SHALL BE CONSTRUCTED IN SEPARATE OPERATIONS IN ORDER TO MAINTAIN ONE LANE OF TRAFFIC AND PEDESTRIAN ACCESS ON ONE SIDE OF THE ROAD AT ALL TIMES. MAINTAIN ACCESS TO AT LEAST ONE SIDE OF SIDEWALK AND/OR MULTI-USE PATH ON STH 82 AT ALL TIMES. UTILIZE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND THE WORK ZONE WHEN THE PROPOSED WORK IS WITHIN THE CLEAR ZONE LIMITS.



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 202	E

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.



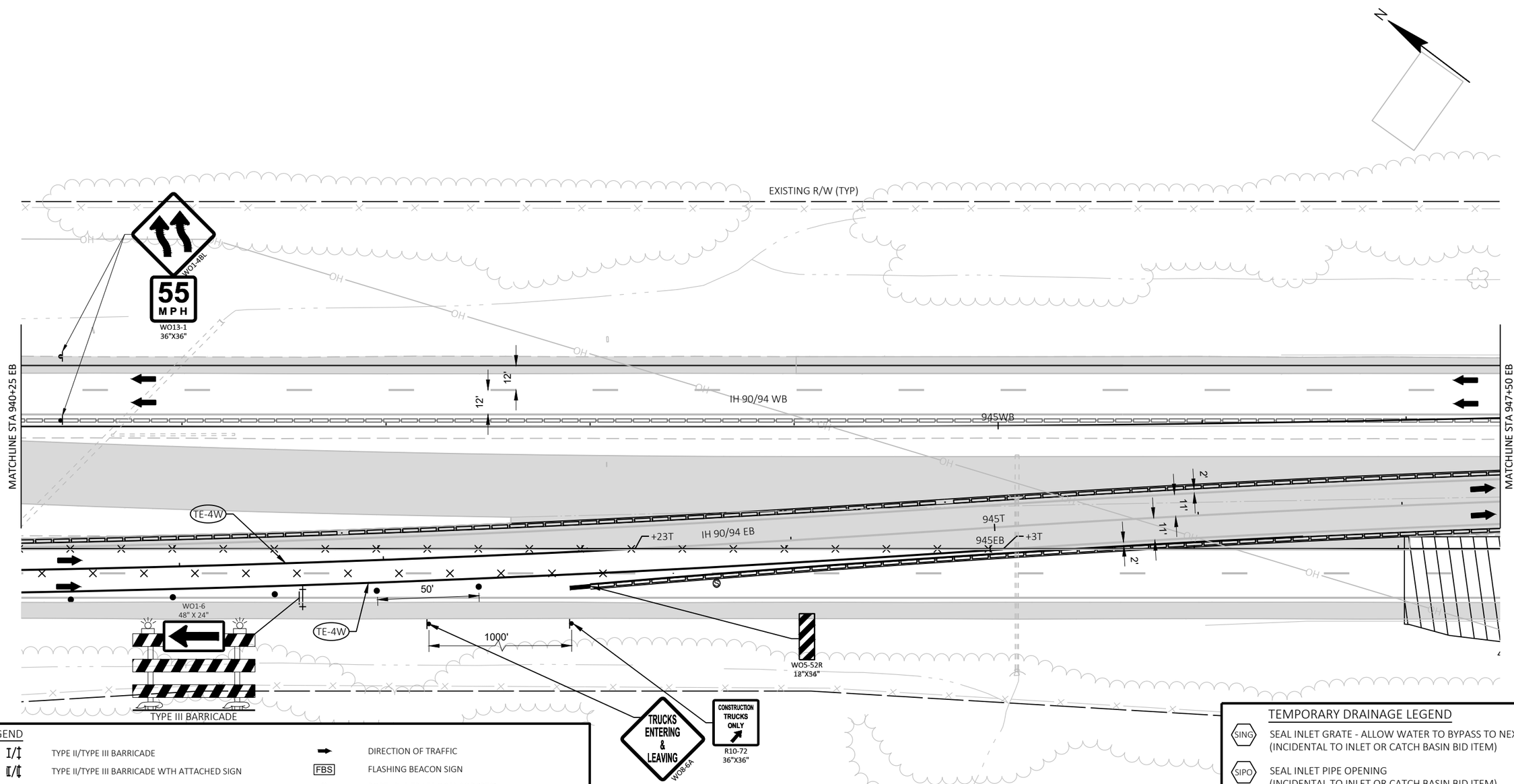
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 203 E

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

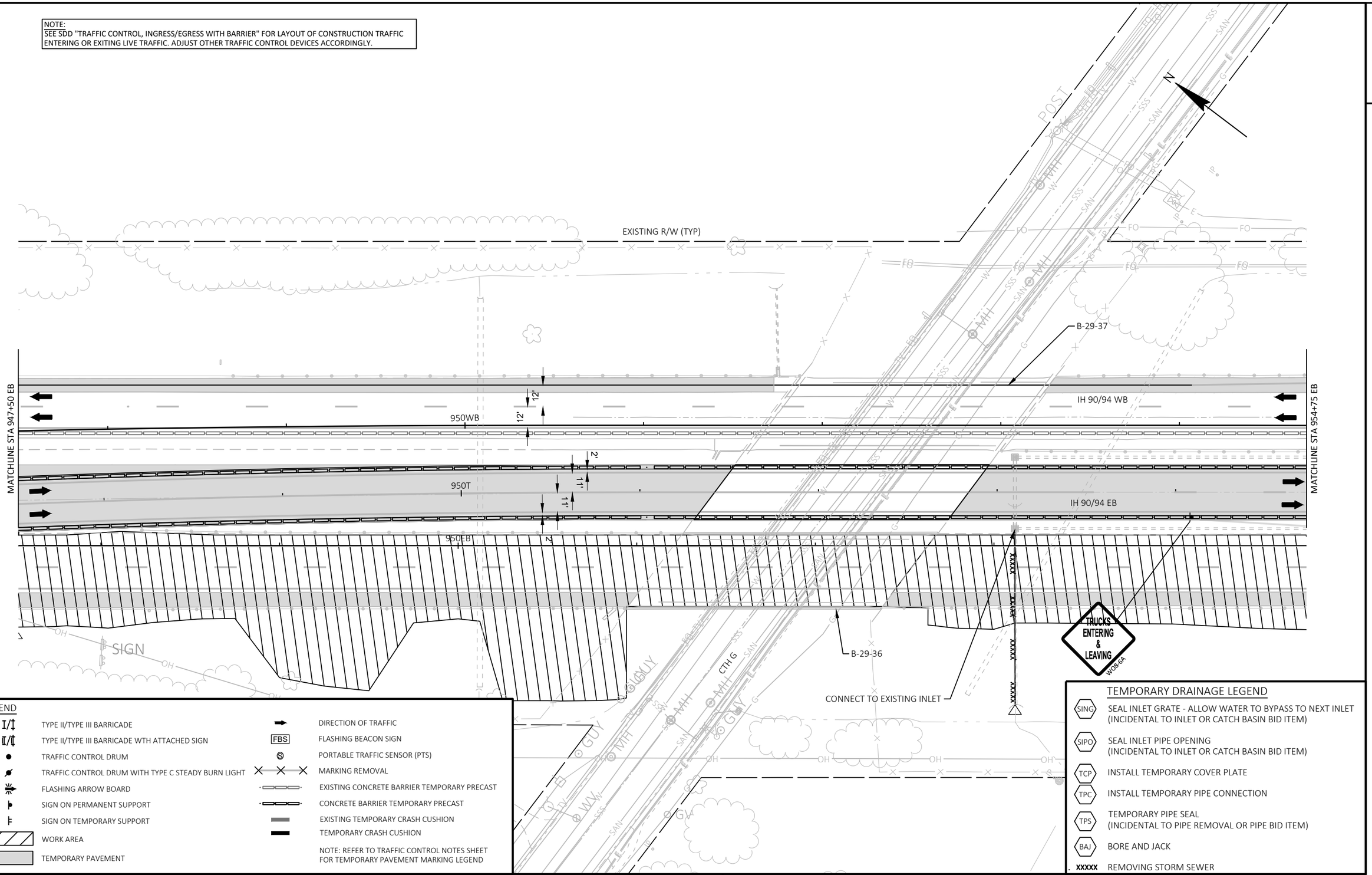
TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- XXXXX — REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 204	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 02
PLOT DATE : 10/25/2021 1:17 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- (SING) SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- (SIPO) SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- (TCP) INSTALL TEMPORARY COVER PLATE
- (TPC) INSTALL TEMPORARY PIPE CONNECTION
- (TPS) TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- (BAJ) BORE AND JACK
- XXXXX REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 205	E

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
XXXXX	REMOVING STORM SEWER

N

EXISTING R/W (TYP)

MATCHLINE STA 954+75 EB

MATCHLINE STA 962+00 EB

IH 90/94 WB

IH 90/94 EB

955WB

960WB

955T

960T

955EB

960EB

11'

12'

12'

2'

24'

2'

11'

11'

2'

25X3

TCP

TCP

REMOVE GRATE AND ADD COVER PLATE

SIGN

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 206 E

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
. XXXXX	REMOVING STORM SEWER

EXISTING R/W (TYP)

MATCHLINE STA 962+00 EB

MATCHLINE STA 969+25 EB

IH 90/94 WB

IH 90/94 EB

965WB

965T

965EB

965C

25X1

12'

11'

2'

TCP

REMOVE GRATE AND ADD COVER PLATE

XXXXX

MOVE SIGNS

EXIT 69
82
Mauston
Oxford

EXIT
50
MPH
WO13-2
48"X60"

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 207 E

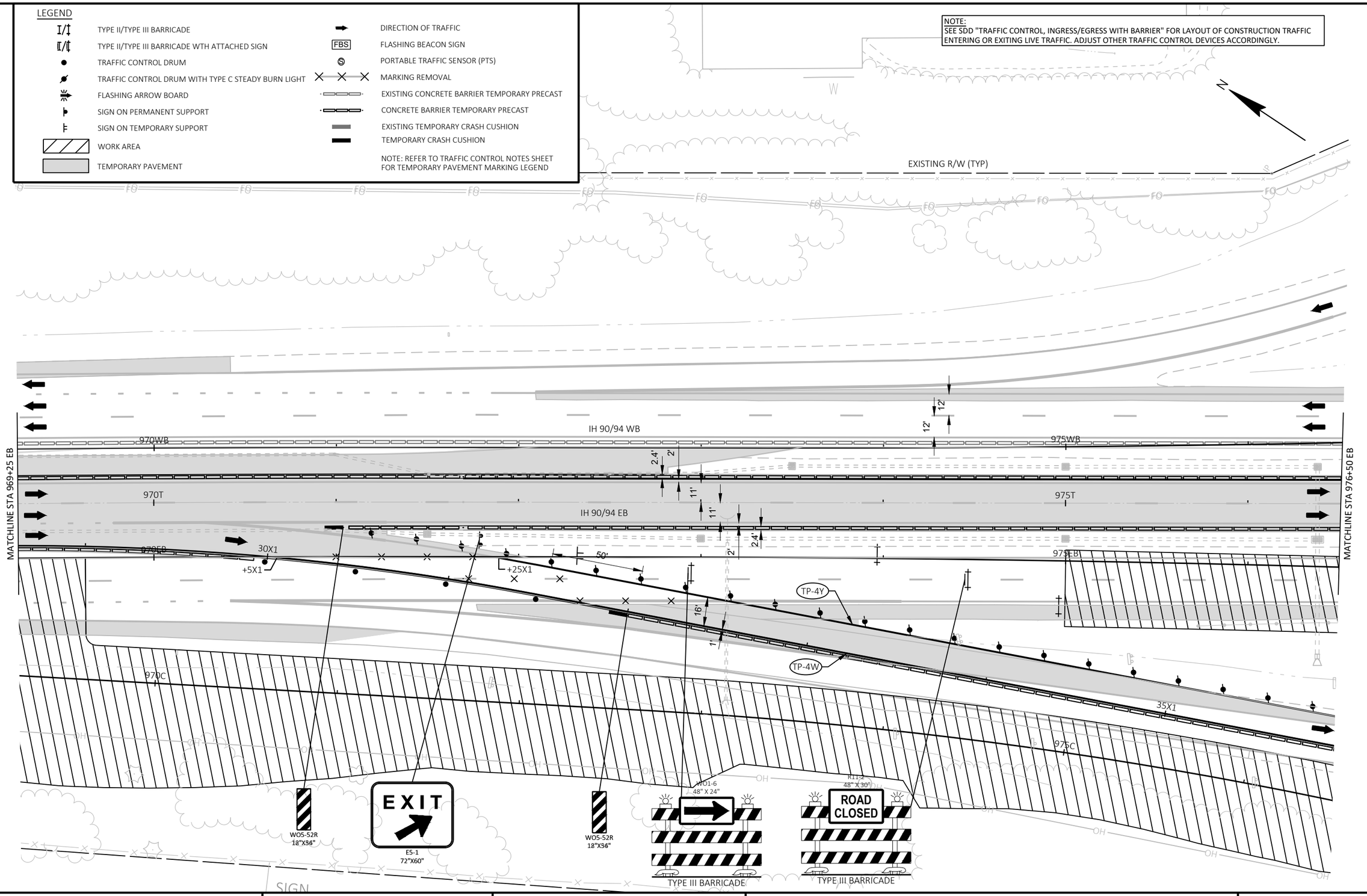
2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 208 E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 06

PLOT DATE : 10/25/2021 1:17 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

EXISTING R/W (TYP)

MATCHLINE STA 976+50 EB

IH 90/94 WB

980WB

12'

12'

2'

2.4'

11'

11'

980T

IH 90/94 EB

2.4'

2'

980EB

MATCHLINE STA 983+75 EB

WALLS

B-29-35

B-29-34 EXISTING
B-29-154 PROPOSED

STH 82 WB

STH 82 EB

145EXB89

TP-4W

TP-8W

TP-4Y

11'

11'

25'

RIGHT TURN ONLY
R3-53R
24"X30"

N

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 209	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 07

PLOT DATE : 10/25/2021 1:17 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

RIGHT TURN ONLY
R3-53R
24"X30"

EXISTING R/W (TYP)

N

+76EXEB82

STH 82 WB

STH 82 EB

+57EXEB82

B-29-35

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

25'

MATCHLINE STA 983+75 EB

985WB

IH 90/94 WB

12'

12'

990WB

MATCHLINE STA 991+00 EB

2'

2.4'

985T

11'

11'

990T

IH 90/94 EB

2'

2.4'

985EB

990EB

50'

25X2

16'

1'

B-29-34 EXISTING
B-29-154 PROPOSED

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

TP-4Y

TP-4W

25'

990D

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 210	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 08

PLOT DATE : 10/25/2021 1:18 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- XXXXX — REMOVING STORM SEWER

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SIGN

EXISTING R/W (TYP)

MATCHLINE STA 991+00 EB

MATCHLINE STA 998+25 EB

IH 90/94 WB

995WB

IH 90/94 EB

995T

995EB

995D

25'

2'

2.4'

11'

11'

TP-4Y

50'

+41X2

91'

+59X2

TP-4W

30X2

XXXXX

CONNECT TO EXISTING INLET

TCP

WO5-52R
18"X36"

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 211	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 09

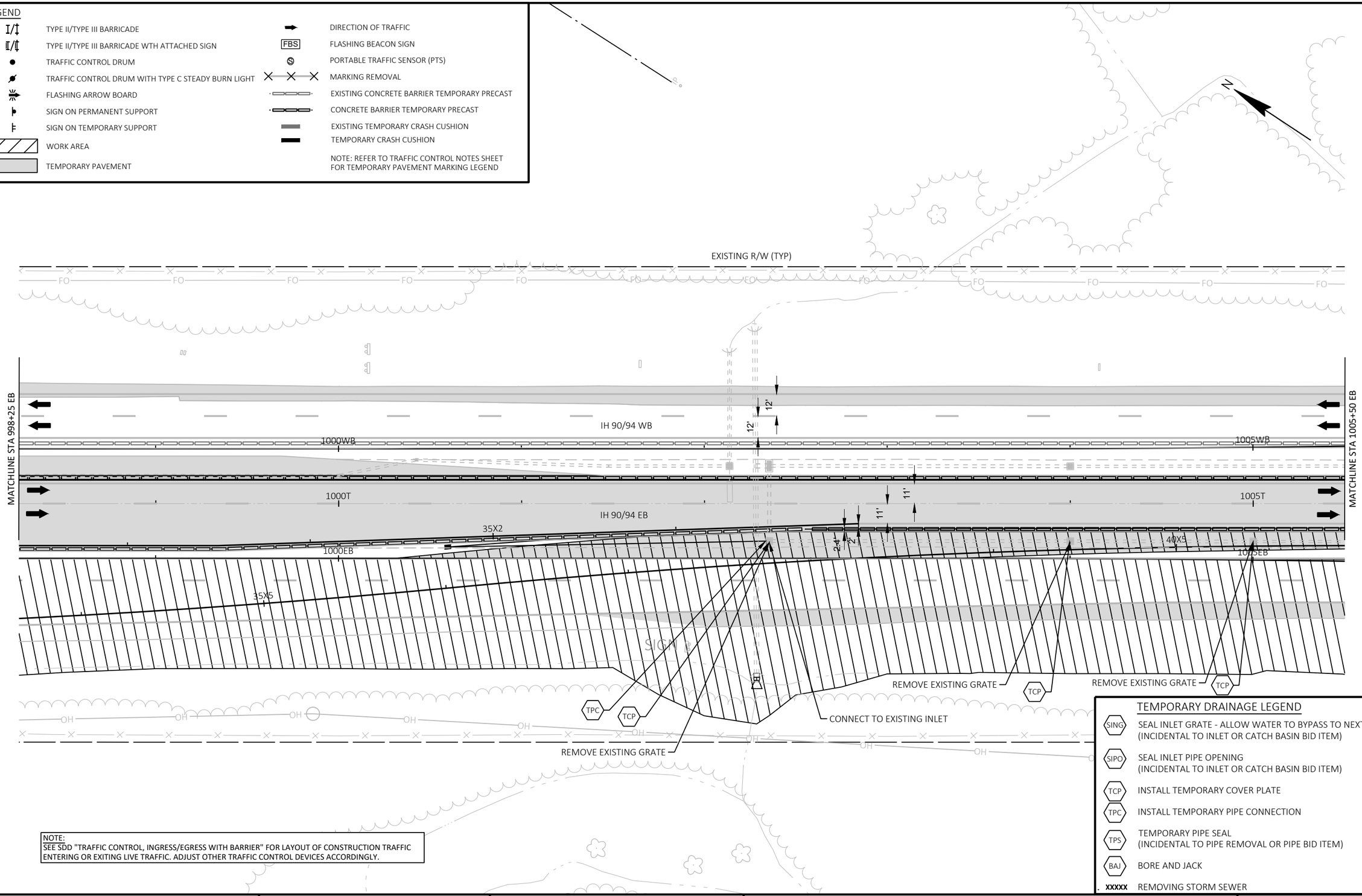
PLOT DATE : 10/25/2021 1:18 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

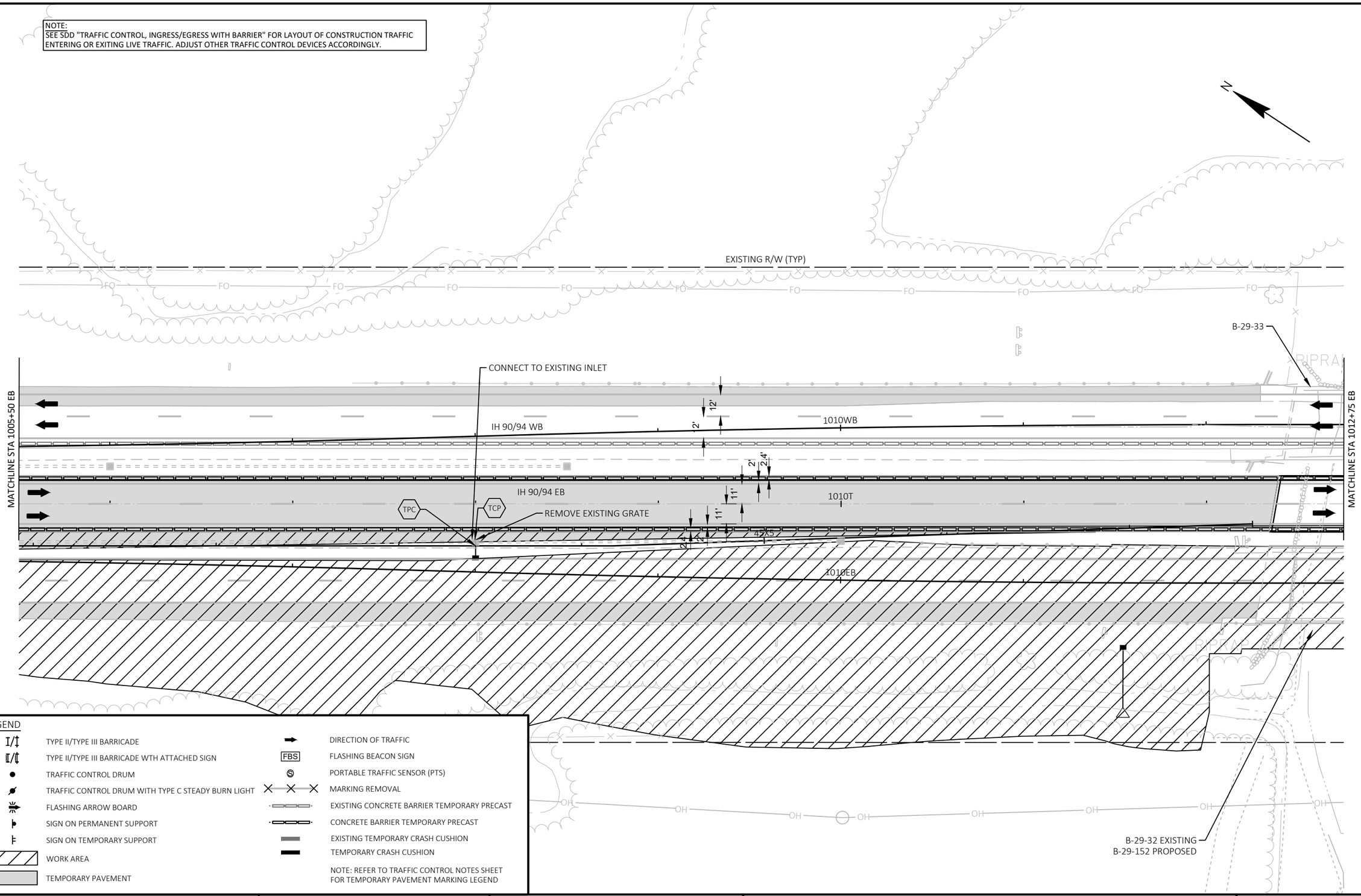
TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
XXXXX	REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 212	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 10
PLOT DATE : 10/25/2021 1:18 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.



LEGEND

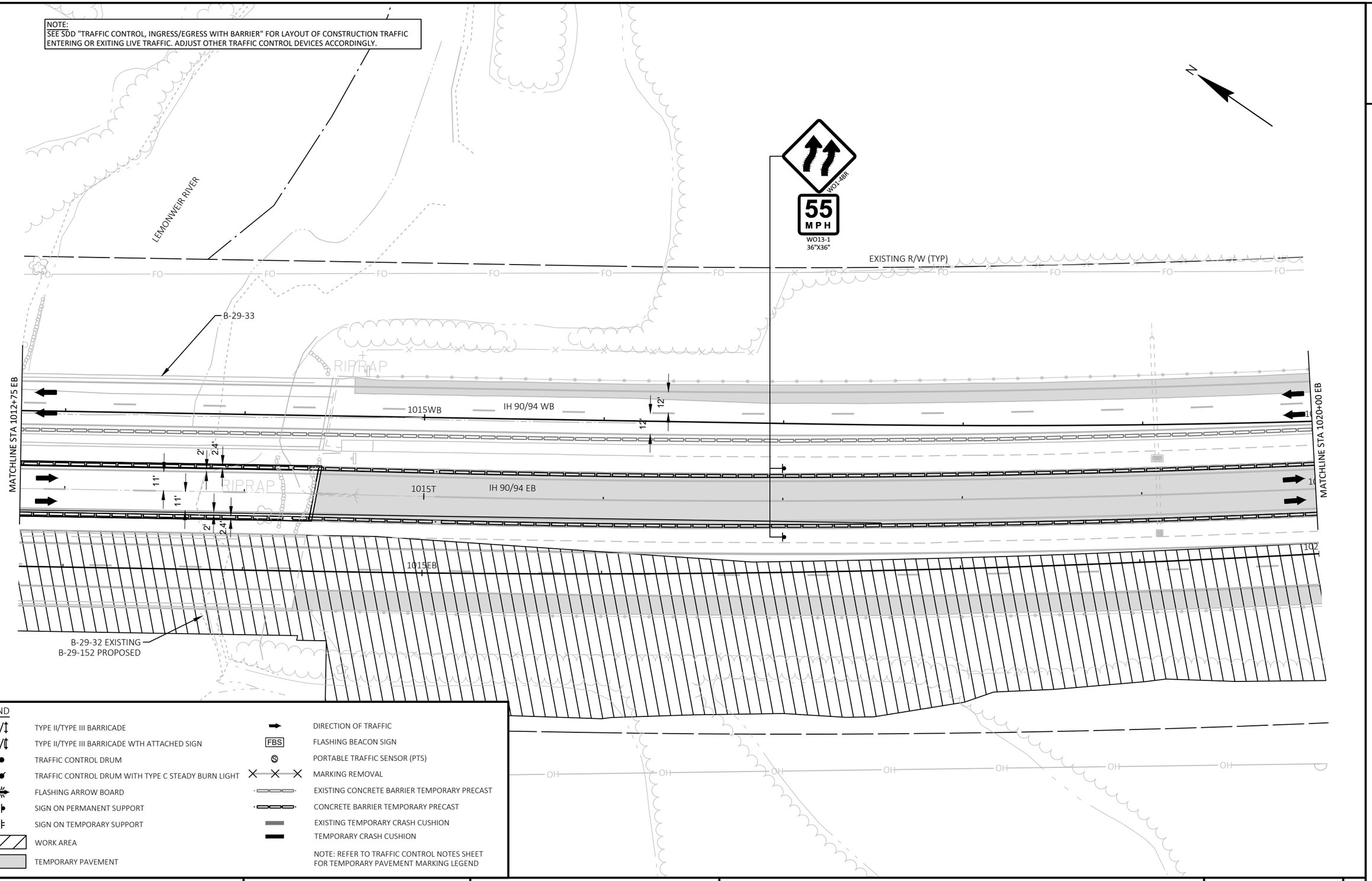
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 213	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 11
PLOT DATE : 10/25/2021 1:18 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.



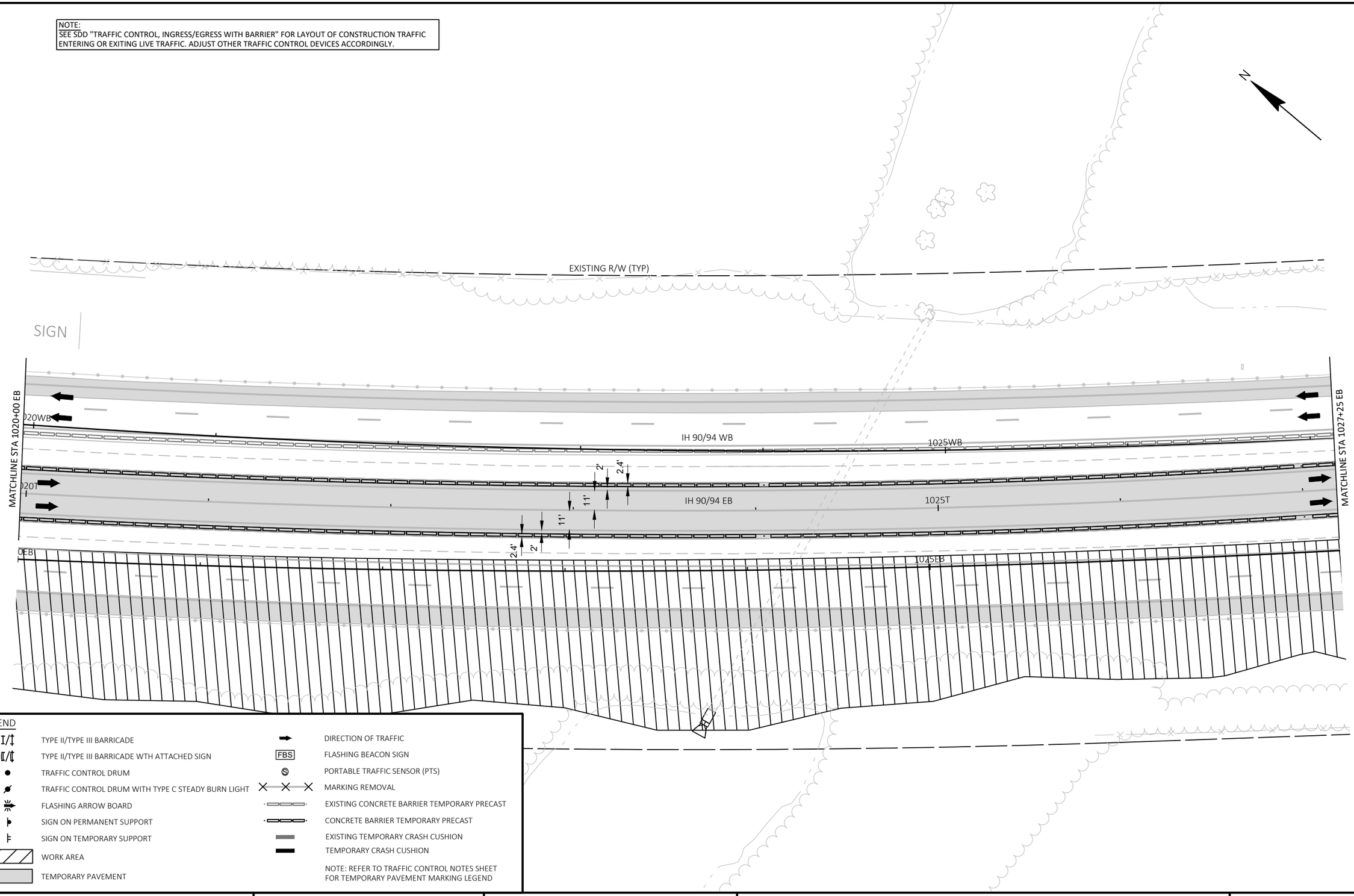
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 214	E

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

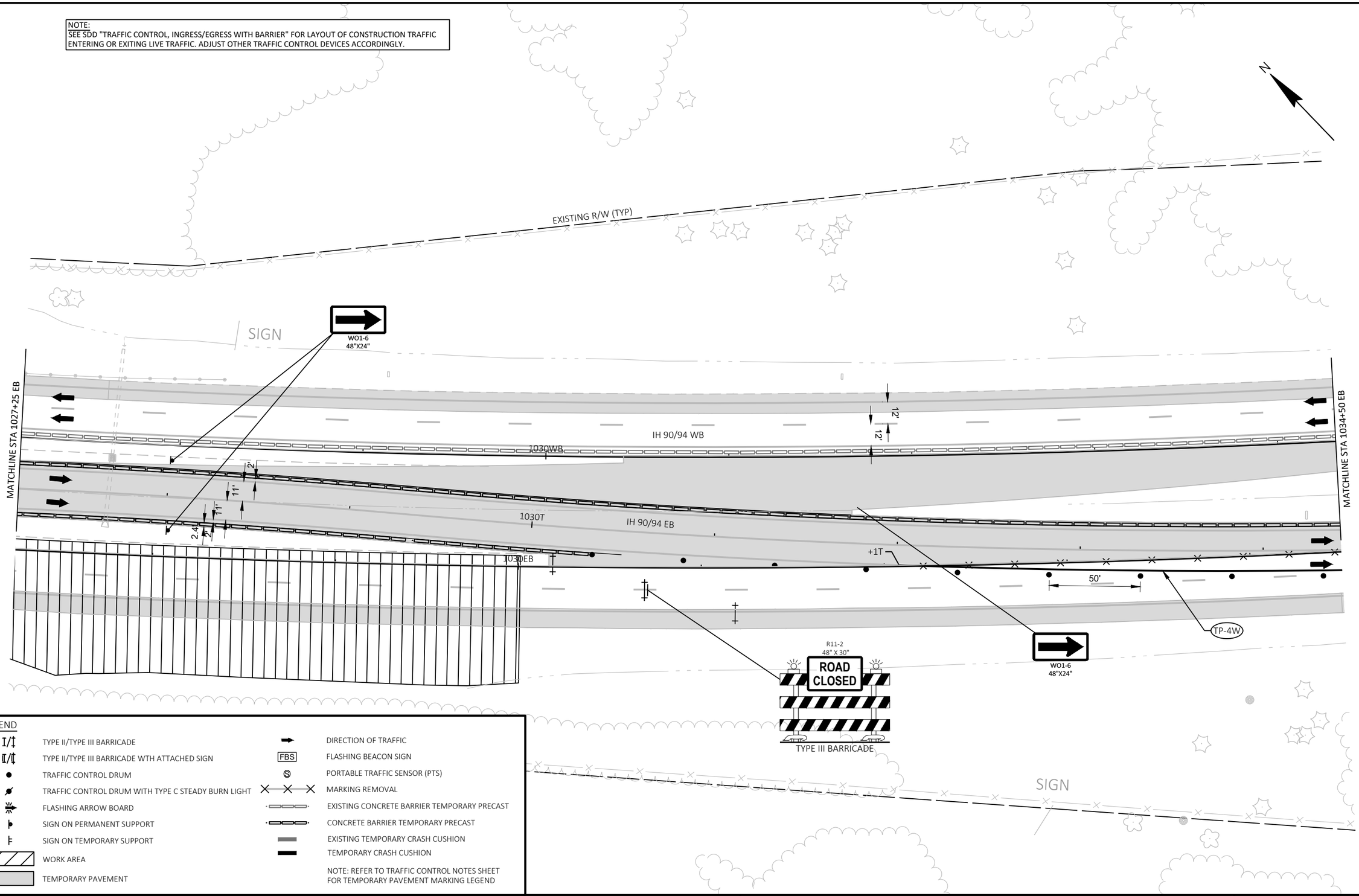


LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 215	E

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 216	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 14
PLOT DATE : 10/25/2021 1:18 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

EXISTING R/W (TYP)

RIPRAP

RIPRAP

RIPRAP

SIGN

MATCHLINE STA 1034+50 EB

1035WB

IH 90/94 WB

12'

12'

1040WB

MATCHLINE STA 1041+75 EB

B-29-31

WO5-52L
18"X56"

INL

INL

TP-4W

TP-4Y

2'

2.4'

1035EB

1035T

+69T

11'

11'

IH 90/94 EB

50'

1040EB

+75T

1040T

+60EB

+31T

CTH N

RIPRAP

RIPRAP

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 217 E

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

N

WO1-6
48" X 24"
TYPE III BARRICADE

SEE SDD, "TRAFFIC CONTROL, MULTIPLE LANE SHIFT MULTILANE DIVIDED ROAD" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

1000' 500' 700' 3000'

WO1-4BR
SPEED LIMIT 60 R2-1 48"X60"
WO3-5 SPEED LIMIT 60
ROAD WORK 1 MILE W20-1F

EXISTING R/W (TYP)

176' TAPER
12'
12'
IH 90/94 WB
50'
1045WB

MATCHLINE STA 1041+75 EB

TP-4W
1045EB
IH 90/94 EB
12'
12'
+87EB

500'
END ROAD WORK G20-2A 48"X24"
SPEED LIMIT 70 R2-1 48"X60"

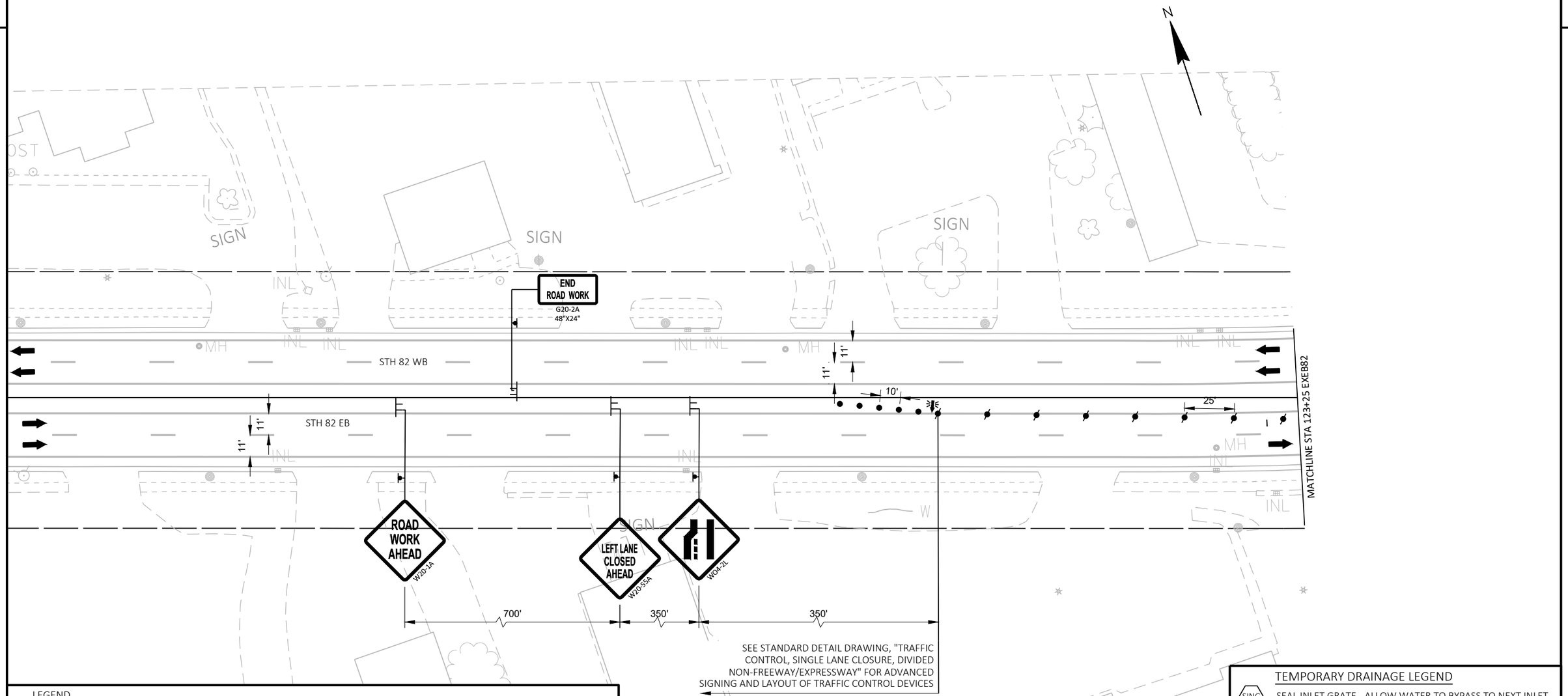
LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A	SHEET 218 E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 16
PLOT DATE : 10/25/2021 1:19 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- (SING) SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- (SIPO) SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- (TCP) INSTALL TEMPORARY COVER PLATE
- (TPC) INSTALL TEMPORARY PIPE CONNECTION
- (TPS) TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- (BAJ) BORE AND JACK
- XXXXX REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (STH 82)	SHEET 219	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 17.1
PLOT DATE : 10/25/2021 1:19 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- . XXXXX — REMOVING STORM SEWER

ROAD WORK AHEAD
W20-1A

KENNEDY ST

200'

N

R9-11
24"X12"
SIDEWALK CLOSED AHEAD
CROSS HERE

CLOSE SIDEWALK DURING CONSTRUCTION OF PORKCHOP TEMPORARY PAVEMENT AT IH 90/94 EB OFF-RAMP TERMINAL & TEMPORARY WIDENING AT IH 90/94 WB ON-RAMP TERMINAL. UTILIZE TYPE II BARRICADE DURING SIDEWALK CLOSURE.

TYPE II BARRICADE

SIGN
W
INL
MH
STH 82 WB
STH 82 EB
11'
25'
12'
15'
MATCHLINE STA 123+25 EXEB82
L25EXEB82
130EXEB82
MATCHLINE STA 130+25 EXEB82

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

EXISTING R/W (TYP)

SPEED LIMIT 35
R2-1
24"X30"

WO1-6
48" X 24"

TYPE III BARRICADE

POST
IP
OH
MCEVOY ST

ROAD WORK AHEAD
W20-1A

R9-11
24"X12"
SIDEWALK CLOSED AHEAD
CROSS HERE

UTILIZE TYPE II BARRICADE DURING CONSTRUCTION OF PORKCHOP TEMPORARY PAVEMENT AT IH 90/94 WB OFF-RAMP TERMINAL

TYPE II BARRICADE

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (STH 82)	SHEET 220	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 17.2
PLOT DATE : 10/25/2021 1:19 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

CLOSE SIDEWALK DURING
CONSTRUCTION OF
PORKCHOP TEMPORARY PAVEMENT AT IH
90/94 EB OFF-RAMP TERMINAL &
TEMPORARY WIDENING AT IH 90/94 WB
ON-RAMP TERMINAL. UTILIZE TYPE III
BARRICADE FOR SIDEWALK CLOSURE.

R9-9
24"X12"

SIDEWALK CLOSED

N

EXISTING R/W (TYP)

STH 82 WB

STH 82 EB

MCEVOY ST

MATCHLINE STA 130+25 EXEB82

MATCHLINE STA 137+50 EXEB82

135EXEB82

12'

50'

TCP

POST

SIGN

GUY

WV

MH

OH

G

W

IP

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- XXXXX — REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (STH 82)	SHEET 221	E

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- . XXXXX — REMOVING STORM SEWER

CONSTRUCT OUTSIDE SHOULDER TEMPORARY PAVEMENT AFTER THE COMPLETION OF INSIDE MEDIAN TEMPORARY PAVEMENT. SHIFT DRUMS AND TRAFFIC CONTROL DEVICES AS NECESSARY TO PROVIDE AN OUTSIDE LANE CLOSURE.

SEE RAMP C OVERVIEW SHEET FOR RAMP C DETAILS

RIGHT TURN ONLY
R3-53R
24"X30"

CONSTRUCT PORK-CHOP TEMPORARY PAVEMENT UTILIZING STH 82 WB OUTSIDE LANE CLOSURE AND NIGHT-TIME CLOSURE OF OFF-RAMP LEFT TURN LANE. PEDESTRIANS TO BE DIRECTED TO USE SOUTH SIDE OF STH 82 AT KENNEDY AND COMMERCIAL ST DURING CONSTRUCTION OF THIS PORKCHOP.

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 EB BRIDGE CONSTRUCTION TAKES PLACE

WO1-6
48" X 24"
TYPE III BARRICADE

TP-6W

STH 82 WB

STH 82 EB

140EXEB82

MATCHLINE STA 137+50 EXEB82

MATCHLINE STA 144+75 EXEB82

MCEVOY ST

R9-9
24"X12"
SIDEWALK CLOSED

EXISTING R/W (TYP)

TCP

WO1-6
48" X 24"
TYPE III BARRICADE

SEE RAMP D OVERVIEW SHEET FOR RAMP D DETAILS

N

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (STH 82)	SHEET 222	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 19
PLOT DATE : 10/25/2021 1:19 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

CONSTRUCT OUTSIDE SHOULDER TEMPORARY PAVEMENT AFTER THE COMPLETION OF INSIDE MEDIAN TEMPORARY PAVEMENT. SHIFT DRUMS AND TRAFFIC CONTROL DEVICES AS NECESSARY TO RPOVIDE AN OUTSIDE LANE CLOSURE.

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 EB BRIDGE CONSTRUCTION TAKES PLACE

CONSTRUCT RAMP TEMPORARY PAVEMENT WIDENING UTILIZING TRAFFIC CONTROL SHOULDER CLOSURE FOR INSTALLING TEMPORARY CURB RAMP. PEDESTRIANS TO BE DIRECTED TO USE SOUTH SIDE OF STH 82 AT KENNEDY AND COMMERCIAL ST DURING CONSTRUCTION OF THIS WIDENING.

WO1-6
48" X 24"
TYPE III BARRICADE

TP-6W

STH 82 WB

STH 82 EB

+57EXEB82

+76EXEB82

TP-8W

TP-6W

TP-18W

50'

12'

15'

25'

MATCHLINE STA 144+75 EXEB82

145EXEB82

985WB

985T

985EB

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 EB BRIDGE CONSTRUCTION TAKES PLACE

CONSTRUCT PORK-CHOP TEMPORARY PAVEMENT UTILIZING THE STH 82 EB OUTSIDE LANE CLOSURE AND NIGHT-TIME CLOSURE OF OFF-RAMP LEFT TURN LANE. COMPLETE AFTER TEMPORARY ASPHALT IS CONSTRUCTED IN THE NE AND NW RAMP TERMINALS. PEDESTRIANS TO BE DIRECTED TO USE NORTH SIDE OF STH 82 AT KENNEDY AND COMMERCIAL ST DURING CONSTRUCTION OF THIS PORKCHOP. PLACE PEDESTRIAN ACCOMMODATIONS SIGNING SHOWN IN STAGE 2B PRIOR TO BEGINNING WORK.

CONSTRUCT TEMPORARY PAVEMENT AREAS OPPOSITE OF EACH OTHER TO ALLOW FOR PEDESTRIAN ACCESS ON AT LEAST ONE SIDE OF STH 82

XXXXX

150EXEB82

EXISTING R/W (TYP)

WO1-6
48" X 24"
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24"X36"

SPEED LIMIT 35
R2-1
24"X30"

RIGHT TURN ONLY
R3-53R
24"X30"

MATCHLINE STA 152+00 EXEB82

N

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
XXXXX	REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (STH 82)	SHEET 223	E

2

R9-9
24"X12"
SIDEWALK CLOSED

CLOSE SIDEWALK DURING THE CONSTRUCTION OF PORKCHOP TEMPORARY PAVEMENT AT IH 90/94 EB OFF-RAMP TERMINAL & TEMPORARY WIDENING AT IH 90/94 WB ON-RAMP TERMINAL. UTILIZE TYPE II & TYPE III BARRICADES DURING CLOSURE.

R9-11
24"X12"
SIDEWALK CLOSED AHEAD
CROSS HERE
TYPE II BARRICADE

ROAD WORK AHEAD
W20-1A
200'

R9-9
24"X12"
SIDEWALK CLOSED

CONSTRUCT PORK-CHOP TEMPORARY PAVEMENT UTILIZING STH 82 EB OUTSIDE LANE CLOSURE AND NIGHT-TIME CLOSURE RIGHT TURN LANE.

WO1-6
48" X 24"
TYPE III BARRICADE

EXISTING R/W (TYP)

CONSTRUCT OUTSIDE SHOULDER TEMPORARY PAVEMENT AFTER THE COMPLETION OF INSIDE MEDIAN TEMPORARY PAVEMENT. SHIFT DRUMS AND TRAFFIC CONTROL DEVICES AS NECESSARY TO PROVIDE AN OUTSIDE LANE CLOSURE.

CONSTRUCT TEMPORARY PAVEMENT IN HALVES TO ALLOW ACCESS TO DRIVEWAY DURING CONSTRUCTION

WO1-6
48" X 24"
TYPE III BARRICADE

COMMERCIAL ST

TP-18W

TP-6W

15'

12'

STH 82 WB

50'

50'

50'

25'

155EXEB82

+62EXEB82

STH 82 EB

+79EXEB82

MATCHLINE STA 152+00 EXEB82

MATCHLINE STA 159+25 EXEB82

TP-8W

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R9-9
24"X12"
SIDEWALK CLOSED

CLOSE SIDEWALK DURING CONSTRUCTION OF PORKCHOP TEMPORARY PAVEMENT AT IH 90/94 WB OFF-RAMP TERMINAL. UTILIZE TYPE II & III BARRICADES DURING CLOSURE.

R9-11
24"X12"
SIDEWALK CLOSED AHEAD
CROSS HERE
TYPE II BARRICADE

CLOSE SIDEWALK DURING CONSTRUCTION OF PORKCHOP TEMPORARY PAVEMENT AT IH 90/94 WB OFF-RAMP TERMINAL. UTILIZE TYPE II BARRICADE DURING SIDEWALK CLOSURE.

N

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
XXXXX	REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (STH 82)	SHEET 224	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 21
PLOT DATE : 10/25/2021 1:20 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

EXISTING R/W (TYP)

BEGIN LEFT TURN LANE
R3-20L
24"X36"

UTILIZE INSIDE TAPER/LANE SHIFT DURING THE CONSTRUCTION OF MEDIAN TEMPORARY PAVEMENT

STH 82 WB

STH 82 EB

25'
12'
11'
50'
25'
50'
25'

160EXEB82
+90EXEB82
+20EXEB82
165EXEB82

MATCHLINE STA 159+25 EXEB82

MATCHLINE STA 166+50 EXEB82

TP-8W

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

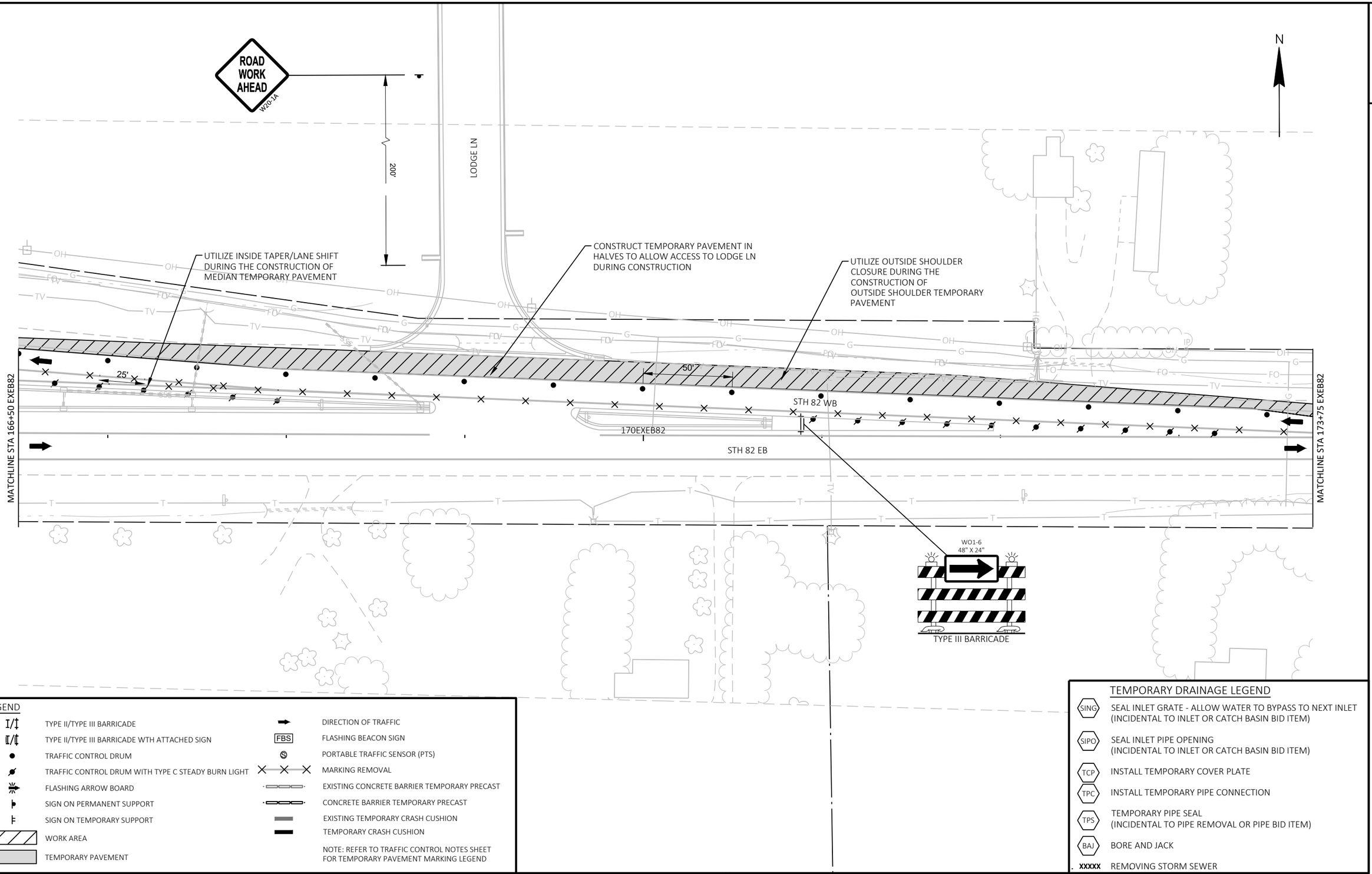
TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
. XXXXX	REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (STH 82)	SHEET 225	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 22
PLOT DATE : 10/25/2021 1:20 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



LEGEND

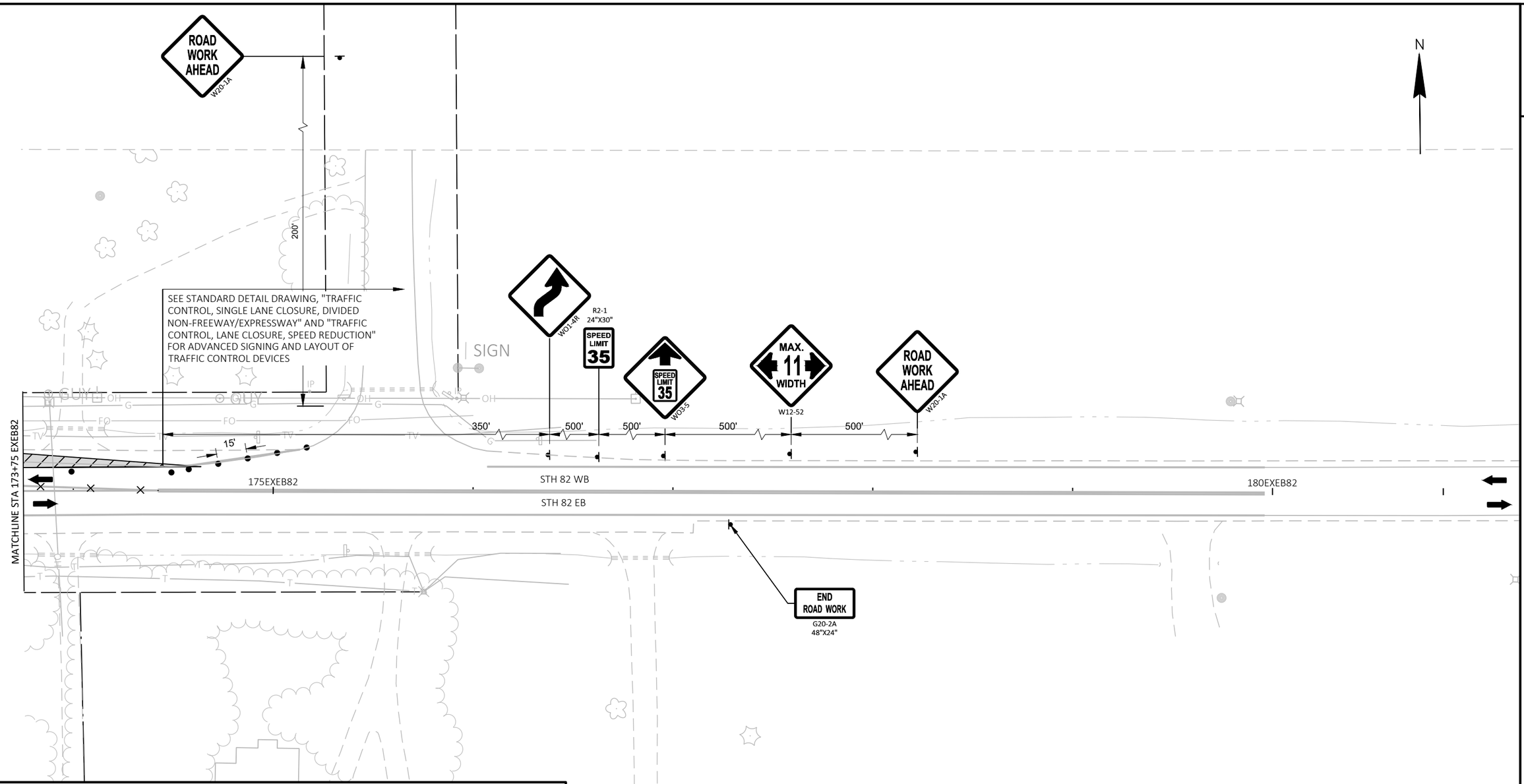
TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
XXXXX	REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (STH 82)	SHEET 226	E

2



LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (STH 82)	SHEET 227	E

2

2

970WB
970I
970EB
30X1
970C
975WB
975I
975EB
35X1
975C
IH 90/94 WB
IH 90/94 EB
980WB
980I
980EB
980C
TPC
140EXFB82
STA 979+89.26C
CPRC CLASS IV 24-INCH REQUIRED
SKEW 30° LHF
SIGN POST

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
. XXXXX	REMOVING STORM SEWER

LEGEND

I/I	TYPE II/TYPE III BARRICADE	→	DIRECTION OF TRAFFIC
I/I	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	S	PORTABLE TRAFFIC SENSOR (PTS)
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕—✕—✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (RAMP C)	SHEET 228	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025101_TC_S2A.DWG
LAYOUT NAME - 25

PLOT DATE : 10/25/2021 1:20 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

985WB
985T
985EB
IH 90/94 WB
IH 90/94 EB
990WB
990T
990EB
995WB
995T
995EB
25X2
30X2
990D
995D
35X10
985D
STA 36+07X10
TEMPORARY PIPE CULVERT REQUIRED
STA 985+00D
PERMANENT PIPE CULVERT REQUIRED

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

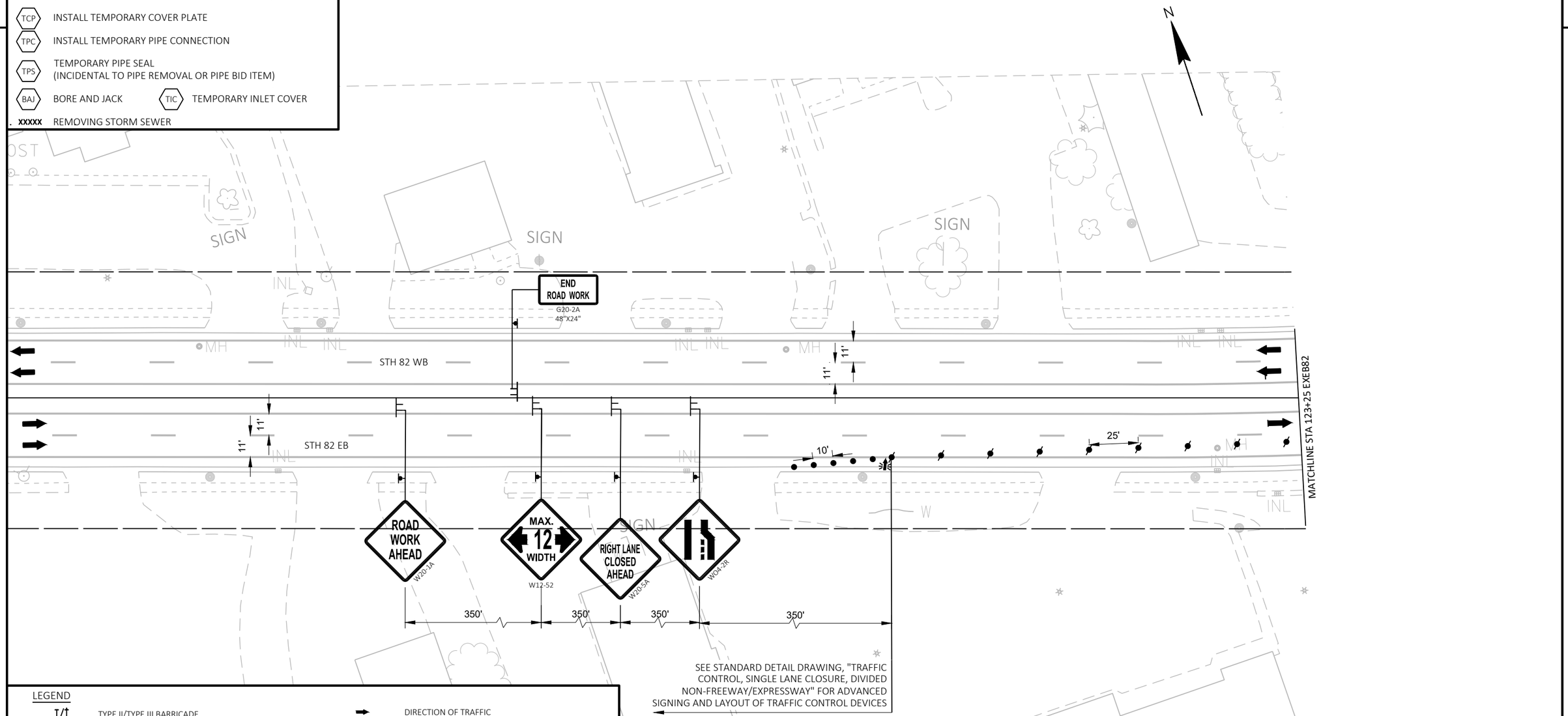
NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2A (RAMP D)	SHEET 229	E

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER



SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

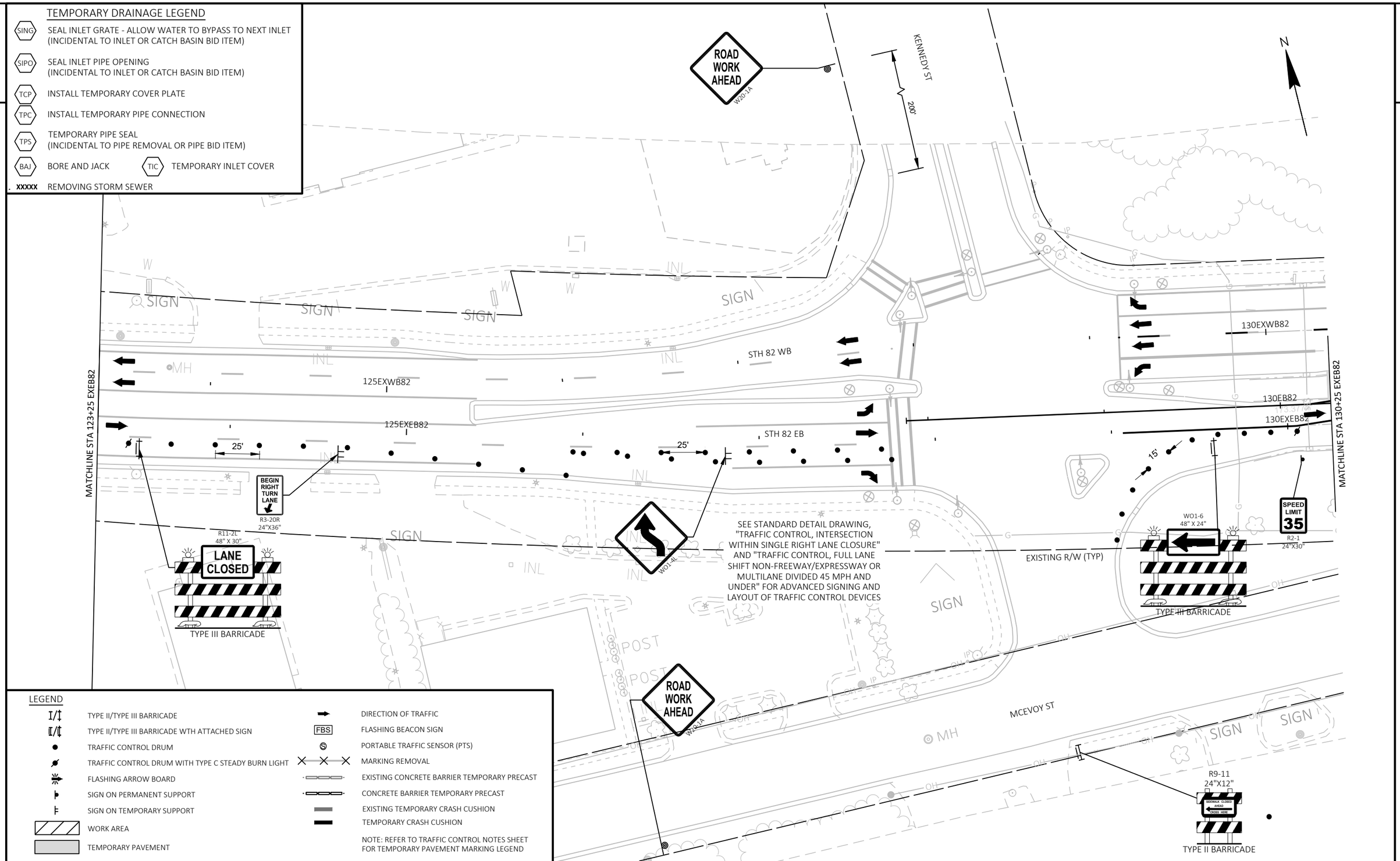
STAGE 2B DESCRIPTION:
IH 90/94 EB TRAFFIC WILL REMAIN ON THE NEW TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN WITH CONNECTIONS TO THE EXISTING IH 90/94 EB EXIT AND ENTRANCE RAMPS AT THE STH 82 INTERCHANGE. TRAFFIC ON STH 82 WILL CONTINUE IN ONE LANE IN EACH DIRECTION. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE STH 82 EB LANES, IH 90/94 EB LANES, AND IH 90/94 EB EXIT AND ENTRANCE RAMPS AT THE STH 82 INTERCHANGE. ALSO, CONTINUE IH 90/94 EB STRUCTURES OVER STH 82 AND LEMONWEIR RIVER, AND CONCRETE OVERLAY THE IH 90/94 EB BRIDGE OVER CTH G. CONSTRUCT TEMPORARY RAMP CONNECTIONS BETWEEN THE IH 90/94 WB EXISTING/PROPOSED EXIT AND ENTRANCE RAMPS IN ANTICIPATION OF TRAFFIC IN STAGES 3A/3B. SHIFT STH 82 EB TRAFFIC TO THE EXISTING STH 82 WB LANES TO CONSTRUCT THE STH 82 EB LANES BETWEEN STATION 132+77 EB82 TO 142+49 EB82, STATION 143+57 EB82 TO 149+05 EB82, AND STATION 150+60 EB82 TO 153+91 EB82, AND THE IH 90/94 EB EXIT AND ENTRANCE RAMPS. UTILIZE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND THE WORK ZONE WHEN THE PROPOSED WORK IS WITHIN THE CLEAR ZONE LIMITS. MAINTAIN ACCESS TO DRIVEWAY ENTRANCES AND INTERSECTIONS DURING CONSTRUCTION OPERATIONS. PEDESTRIAN ACCESS WILL BE LIMITED TO THE NORTH SIDE OF STH 82 IN THIS STAGE. BUSINESSES CAN WORK WITH THE CONSTRUCTION ENGINEER AND CONTRACTOR TO PROVIDE 'BUSINESS IS OPEN' SIGNING DURING CONSTRUCTION.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (STH 82)	SHEET 230	E

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

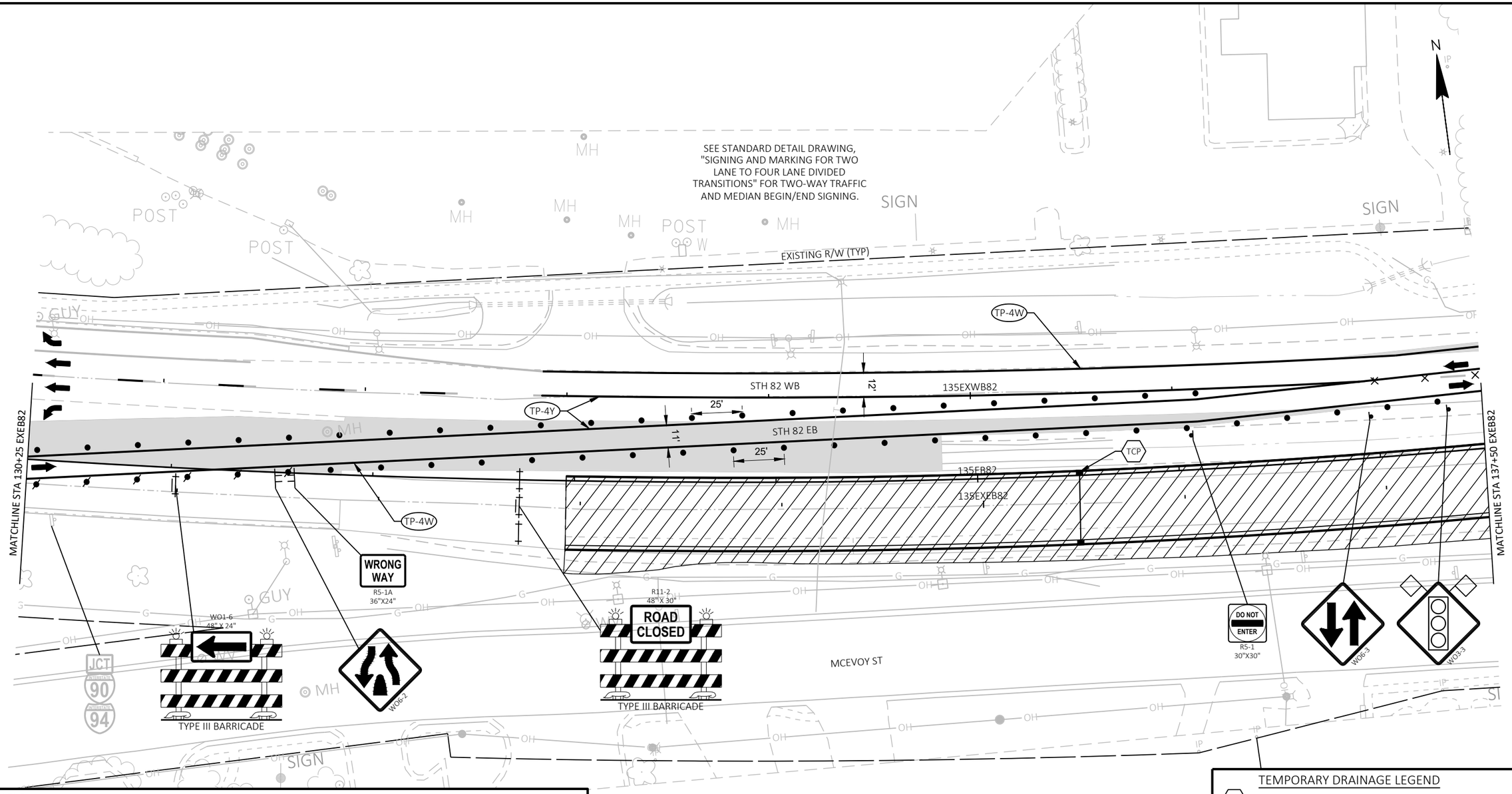
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (STH 82)	SHEET 231	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025102_TC_S2B.DWG
LAYOUT NAME - 17.2

PLOT DATE : 10/28/2021 2:14 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

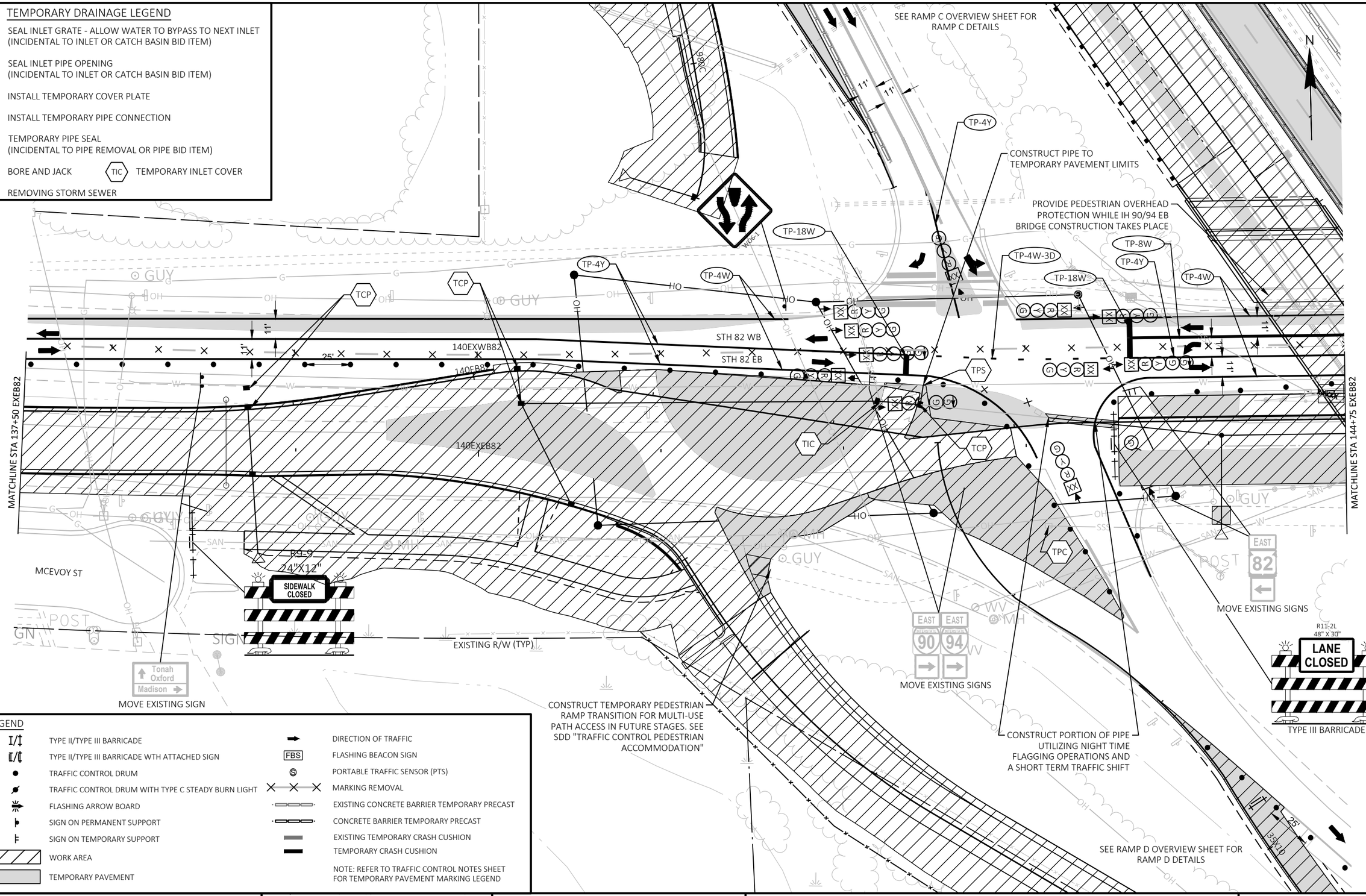
- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (STH 82)	SHEET 232	E

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (STH 82)	SHEET 233	E

2

SEE STAGE 2A IH 90 TRAFFIC CONTROL SHEETS FOR STAGE 2B IH 90 CONFIGURATION

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 EB BRIDGE CONSTRUCTION TAKES PLACE

UTILIZE PREVIOUSLY CONSTRUCTED TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELD

EXISTING-R/W-(TYP)

TP-18W

TP-4W

TP-4Y

TP-4W-3D

STH 82 WB

STH 82 EB

+45EXWB82

150EXWB82

150EXEB82

150EB82

+45EXEB82

MATCHLINE STA 144+75 EXEB82

MATCHLINE STA 152+00 EXEB82

TPS

TIC

TCP

985T

985EB

CONSTRUCT TEMPORARY PEDESTRIAN RAMP TRANSITION FOR MULTI-USE PATH ACCESS IN FUTURE STAGES. INSTALL TEMPORARY CURB RAMPS AND TEMPORARY DETECTABLE WARNING FIELDS

MOVE EXISTING SIGNS

MOVE EXISTING SIGNS

TYPE III BARRICADE

ROAD CLOSED

R11-2 48" X 30"

SPEED LIMIT 35 R2-1 24"X30"

W01-4L

80 TON BRIDGE 9 MILES AHEAD

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (STH 82)	SHEET 234	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025102_TC_S2B.DWG
LAYOUT NAME - 20

PLOT DATE : 10/28/2021 2:14 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

UTILIZE TEMPORARY PEDESTRIAN CROSSWALK ON THE EAST SIDE OF THE INTERSECTION DURING CONSTRUCTION OF THE WEST SIDE OF THE INTERSECTION (PHASE 2B-1)

INSTALL TEMPORARY CURB RAMP CONNECTION BETWEEN PROPOSED PAVEMENT EDGE AND EXISTING PAVEMENT. SEE SDD "TRAFFIC CONTROL PEDESTRIAN ACCOMMODATION"

ROAD WORK AHEAD W20-1A

200'

TP-8W

COMMERCIAL ST

N

INSTALL TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELD

TP-18W

INSTALL TEMPORARY DETECTABLE WARNING FIELD

EXISTING INLET TO REMAIN ACTIVE UNTIL STAGE 2D

W03-3

EXISTING R/W (TYP)

TP-4Y

TP-4W

TP-4W-3D

TP-6W

+65EXWB82

+94EXWB82

+38EXWB82

+55EXWB82

+14EXWB82

STH 82 WB

STH 82 EB

11'

0.9'

25'

155EXWB82

155EB82

155EXEB82

TIC

TCP

TP-4Y-3D

TP-18W

5'

REMOVE EXISTING INLET AND MEDIAN PIPE

COMMERCIAL STREET TEMPORARY CROSSWALKS (3) AND RELATED BID ITEMS TO BE PAID FOR UNDER TEMPORARY CROSSWALK SPV.0045.02

MATCHLINE STA 152+00 EXEB82

MATCHLINE STA 159+25 EXEB82

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

W01-4R

W01-4L

UTILIZE TEMPORARY PEDESTRIAN CROSSWALK ON THE WEST SIDE OF THE INTERSECTION DURING CONSTRUCTION OF THE EAST SIDE OF THE INTERSECTION (PHASE 2B-2)

DRIVEWAY TO BE CLOSED DURING THIS STAGE

R9-11AR
24"X12"
SIDEWALK CLOSED
CROSS HERE

TYPE II BARRICADE

TP-8W

TP-4W

STOP
R1-1
30"X30"

INSTALL TEMPORARY CURB RAMP (PHASE 1)

R9-9
24"X12"
SIDEWALK CLOSED

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

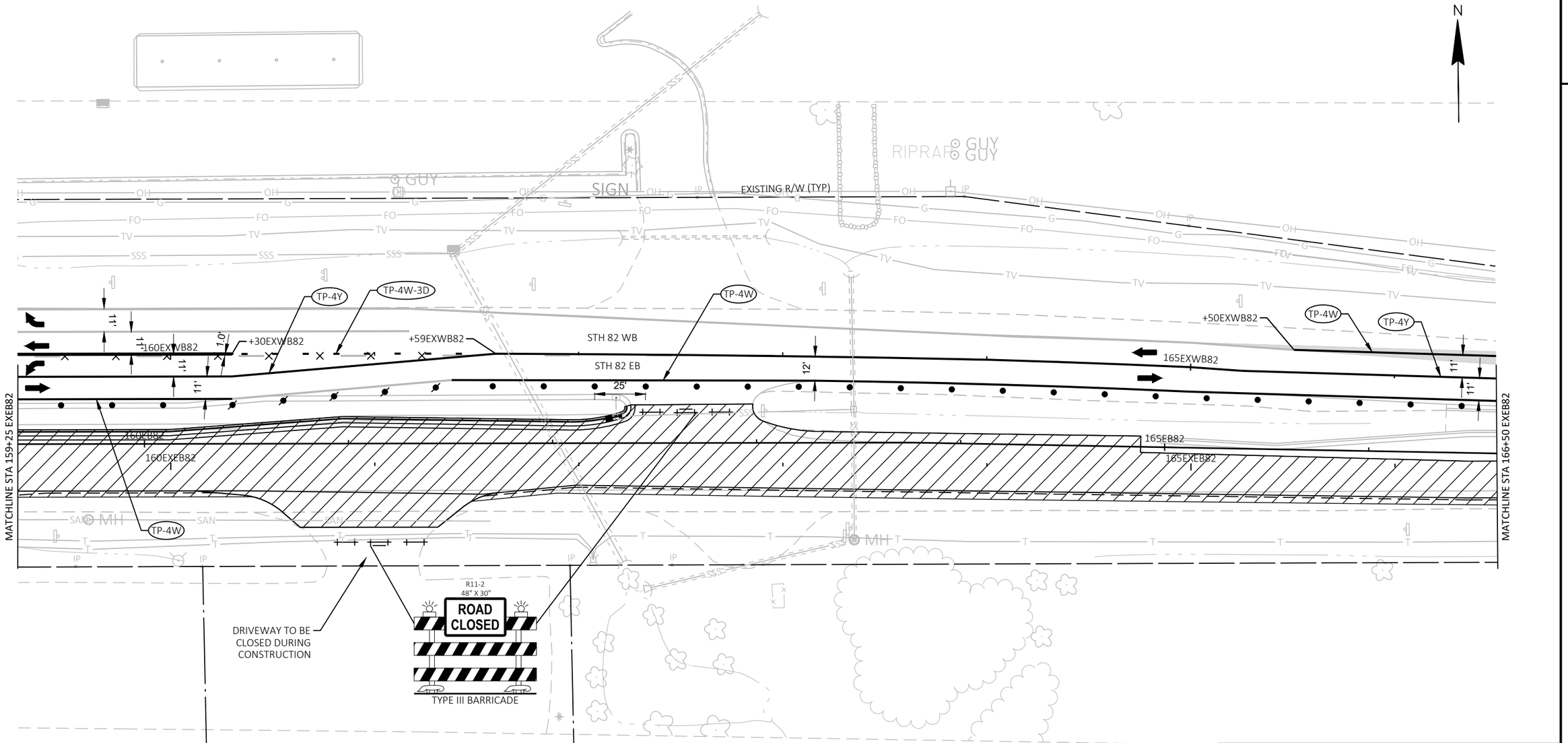
GAP INTERSECTION AS NECESSARY TO MAINTAIN ACCESS AND CONSTRUCT HES CONCRETE. USE FLAGGERS ONLY AT APPROVED TIMES AND UTILIZE NIGHT TIME CLOSURES

TEMPORARY DRAINAGE LEGEND

- SING SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP INSTALL TEMPORARY COVER PLATE
- TPC INSTALL TEMPORARY PIPE CONNECTION
- TPS TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ BORE AND JACK
- TIC TEMPORARY INLET COVER
- XXXXX REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (STH 82)	SHEET 235	E

2



LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

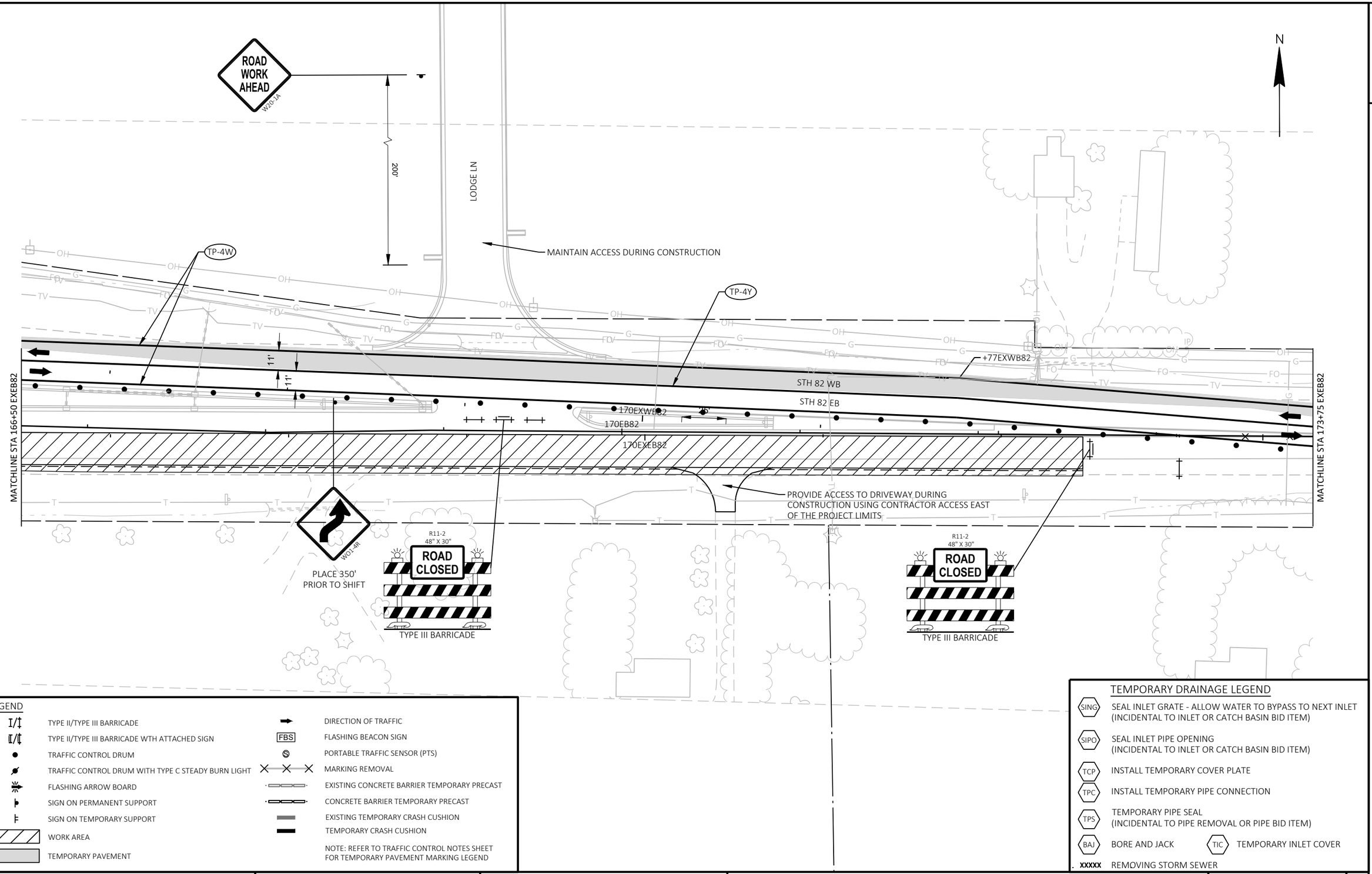
TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
TIC	TEMPORARY INLET COVER
. XXXXX	REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (STH 82)	SHEET 236	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025102_TC_S2B.DWG
LAYOUT NAME - 22
PLOT DATE : 10/28/2021 2:14 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (STH 82)	SHEET 237	E

2

N

ROAD WORK AHEAD
W20-1A

200'

SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" AND "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

SIGN

W01-4R

R2-1
24"X30"
SPEED LIMIT
35

SPEED LIMIT
35
W03-5

MAX.
12
WIDTH
W12-52

ROAD WORK AHEAD
W20-1A

350' 500' 500' 500' 500'

TP-4Y

IP

MATCHLINE STA 173+75 EXEB82

11'

11'

175EB82

175EXEB82

STH 82 WB

STH 82 EB

180EB82

180EXEB82

TP-4W

+76EB82

END ROAD WORK
G20-2A
48"X24"

LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
‡	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (STH 82)	SHEET 238	E

2

2

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
TIC	TEMPORARY INLET COVER
. XXXXX	REMOVING STORM SEWER

970T
970EB
970C
975T
975EB
975C
980T
980EB
980C
IH 90/94 WB
IH 90/94 EB
TP-4Y
W03-3
TPC
140EWB2
140EEB2
SIGN POST

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

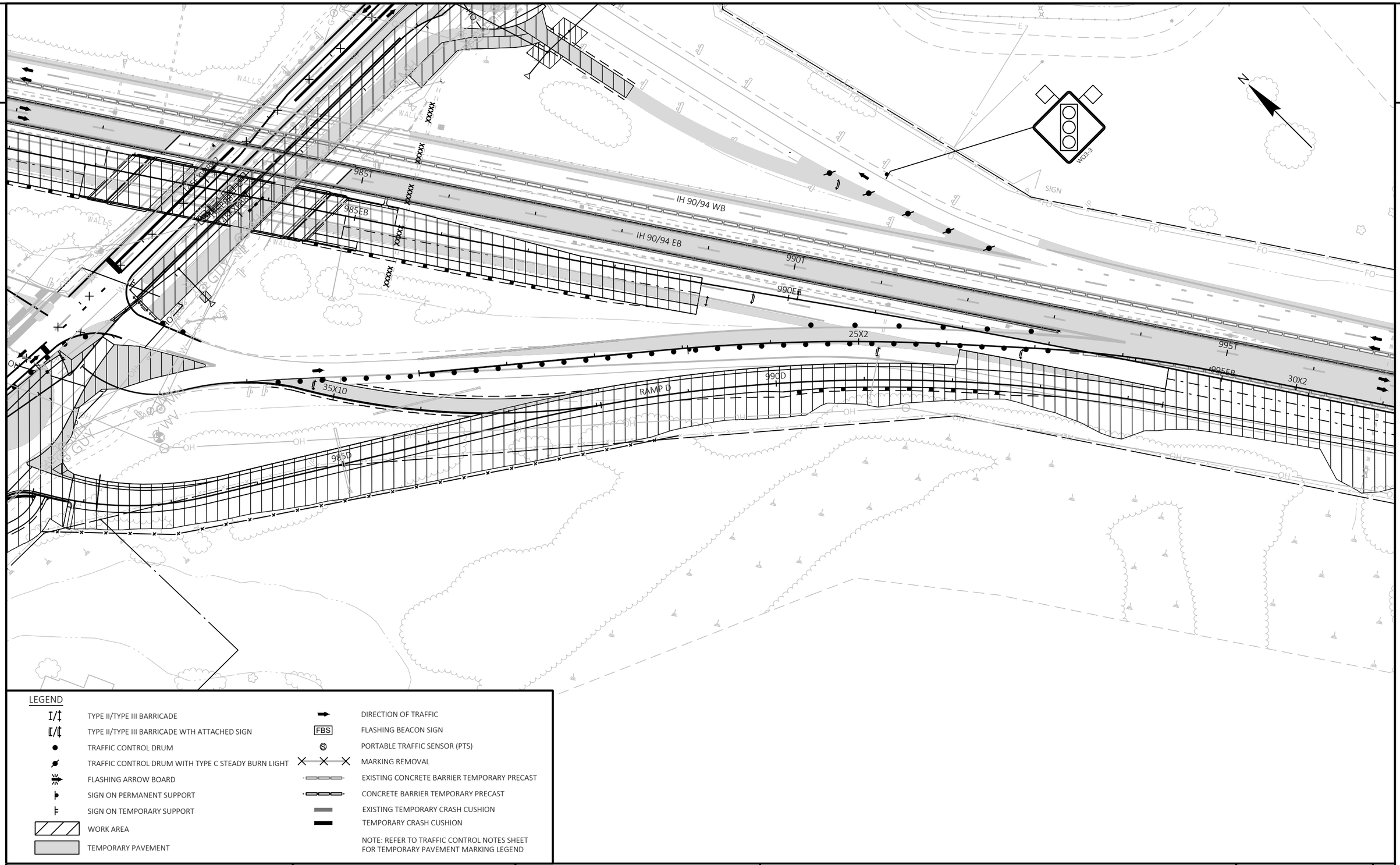
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (RAMP C)	SHEET 239	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025102_TC_S2B.DWG
LAYOUT NAME - 25

PLOT DATE : 10/28/2021 2:15 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2



LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
◒	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
⇉	FLASHING ARROW BOARD	▭▭▭	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
⊦	SIGN ON PERMANENT SUPPORT	▭▭▭	CONCRETE BARRIER TEMPORARY PRECAST
⊦	SIGN ON TEMPORARY SUPPORT	▬	EXISTING TEMPORARY CRASH CUSHION
▨	WORK AREA	▬	TEMPORARY CRASH CUSHION
▭	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2B (RAMP D)	SHEET 240	E

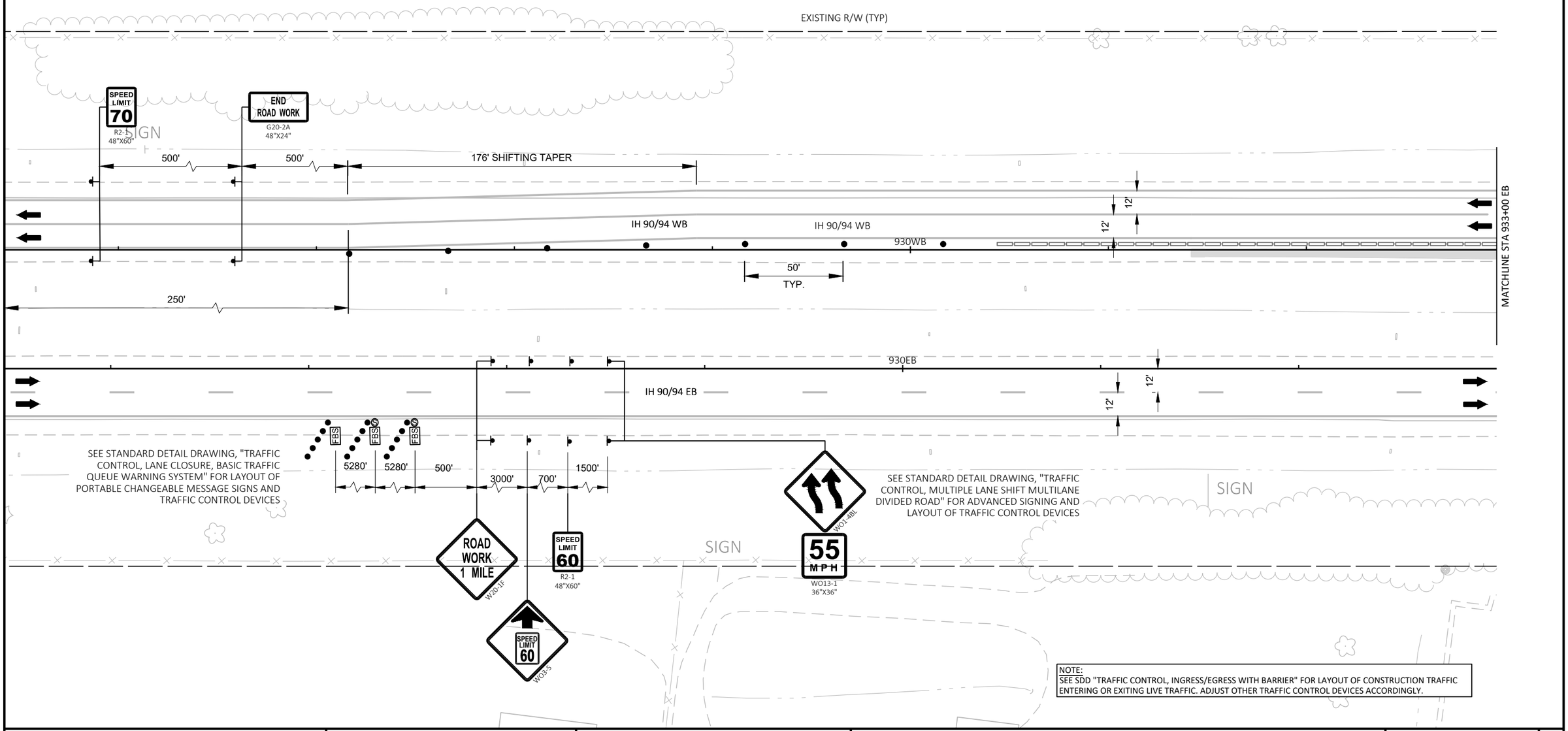
FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025102_TC_S2B.DWG
LAYOUT NAME - 26
PLOT DATE : 10/28/2021 2:15 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

STAGE 2C DESCRIPTION:
TRAFFIC ON IH 90/94 EB WILL REMAIN ON THE NEW TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN. TRAFFIC ON STH 82 WILL REMAIN ONE LANE IN EACH DIRECTION. TEMPORARY TRAFFIC SIGNALS AT THE STH 82 RAMP TERMINALS WILL REMAIN IN PLACE. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE REST OF THE STH 82 EB LANES AT THE RAMP TERMINAL INTERSECTIONS AND FINISH CONSTRUCTING REMAINING IH 90/94 EB LANES. ALSO, CONSTRUCT PORTION OF IH 90/94 WB EXIT AND IH 90/94 RAMP CROSSOVER. MAINTAIN TRAFFIC ON THE EXISTING STH 82 WB INSIDE LANE TO CONSTRUCT GAPPED INTERSECTION PAVEMENT BETWEEN STATION 142+49 TO 143+57 AND STATION 149+05 TO 150+60. MAINTAIN ACCESS TO DRIVEWAY ENTRANCES AND INTERSECTIONS DURING CONSTRUCTION OPERATIONS. PEDESTRIAN ACCESS WILL BE LIMITED TO THE NORTH SIDE OF STH 82 IN THIS STAGE. BUSINESSES CAN WORK WITH THE CONSTRUCTION ENGINEER AND CONTRACTOR TO PROVIDE 'BUSINESS IS OPEN' SIGNING DURING CONSTRUCTION.



NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 241	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 00
PLOT DATE : 10/28/2021 2:48 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W (TYP)

OH

MATCHLINE STA 933+00 EB

MATCHLINE STA 940+25 EB

12'

12'

IH 90/94 WB

935WB

940WB

50'

935EB

940EB

WO5-52L
18"X54"

12'

12'

IH 90/94 EB

940T

250'

50'

SIGN

SIGN

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

MH

INL

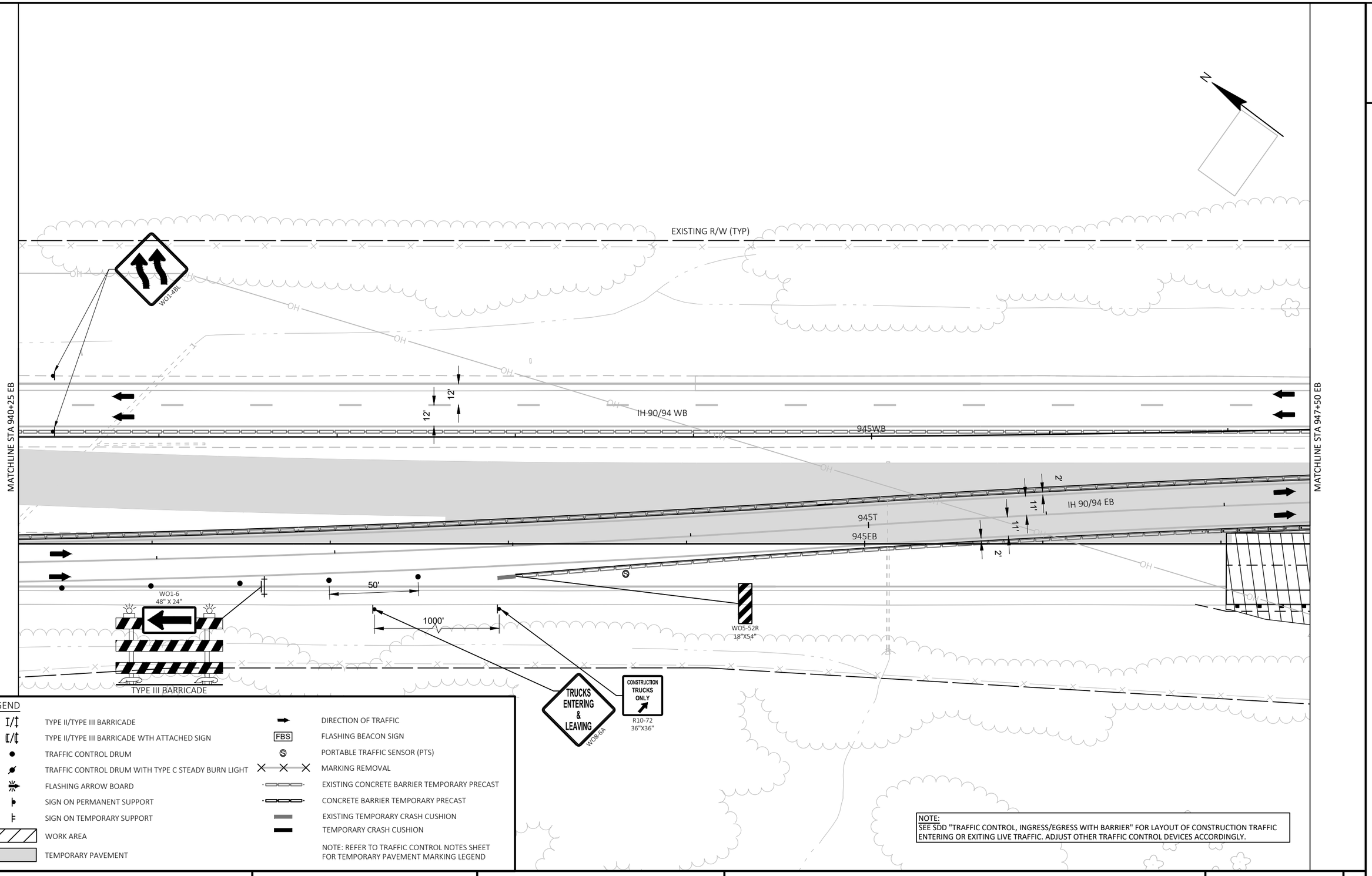
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 242	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 243	E

2

2

EXISTING R/W (TYP)

MATCHLINE STA 947+50 EB

MATCHLINE STA 954+75 EB

950WB

950T

950EB

IH 90/94 WB

IH 90/94 EB

12'

12'

2.4'

2'

11'

11'

2'

2.4'

B-29-37

B-29-36

SIGN

CTH G

POST

TRUCKS ENTERING & LEAVING

W108-6A

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

LEGEND

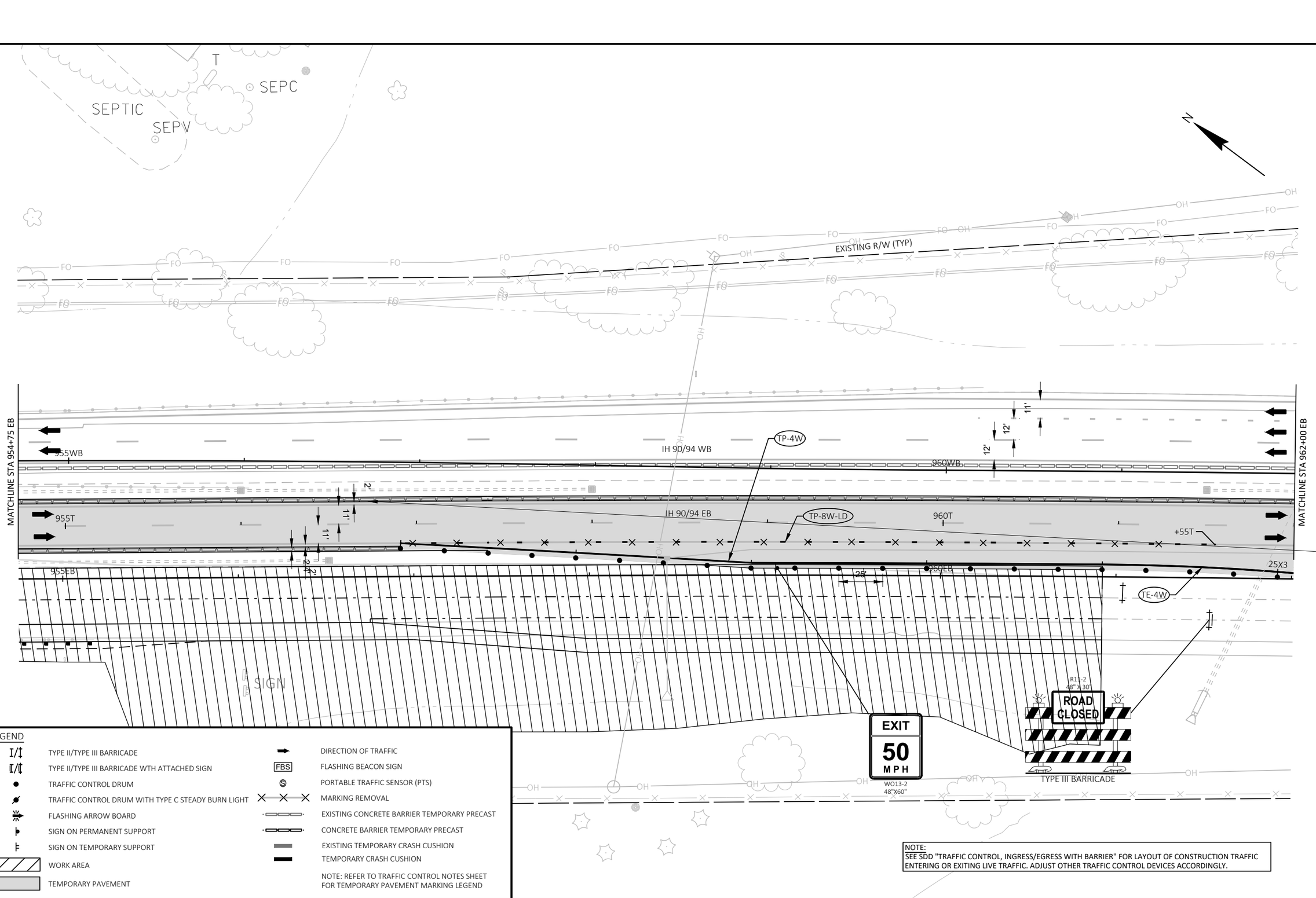
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 244	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 03
PLOT DATE : 10/28/2021 2:48 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



LEGEND

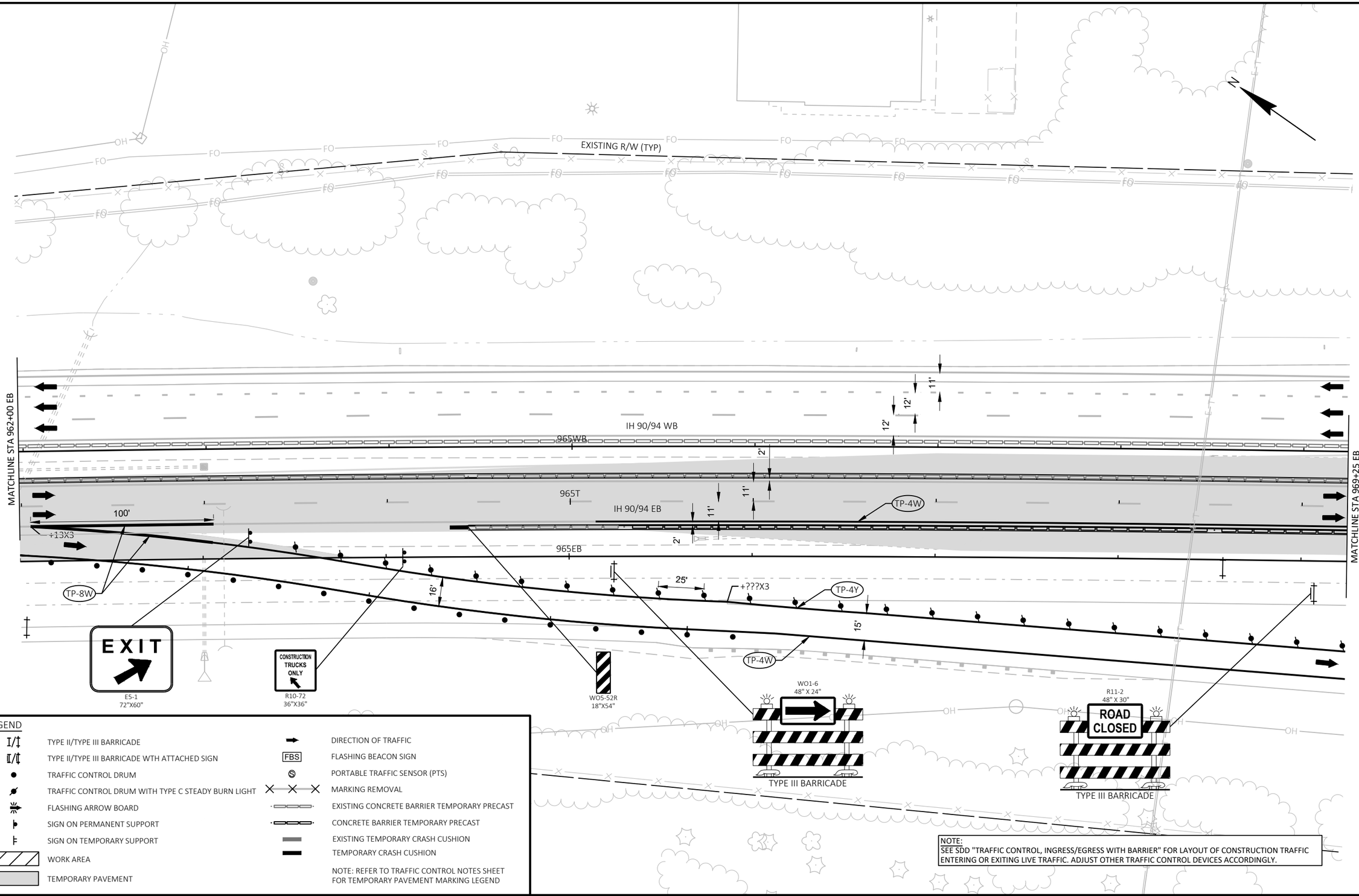
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 245	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

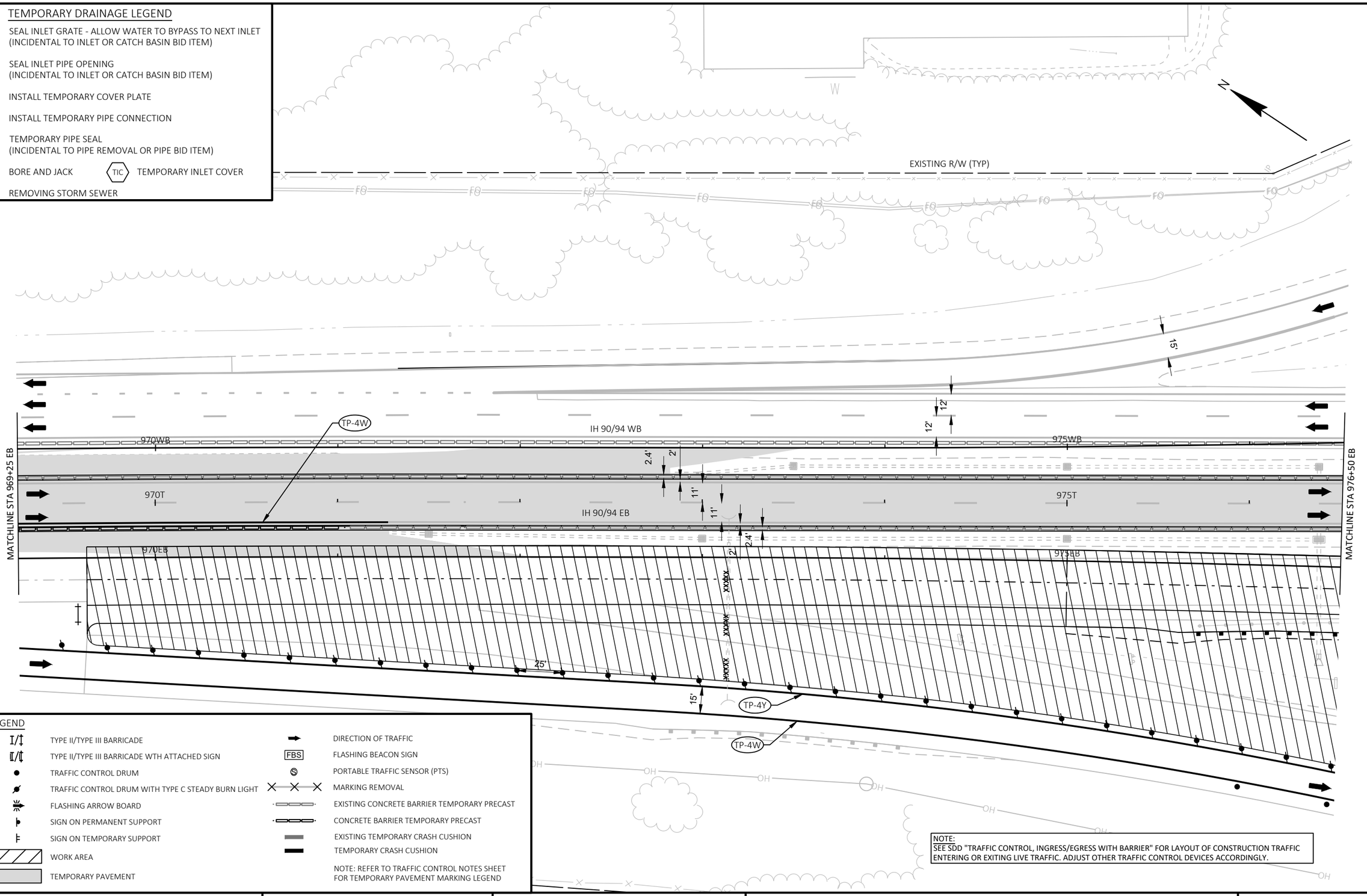
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 246	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 05
PLOT DATE : 10/28/2021 2:49 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION
- NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

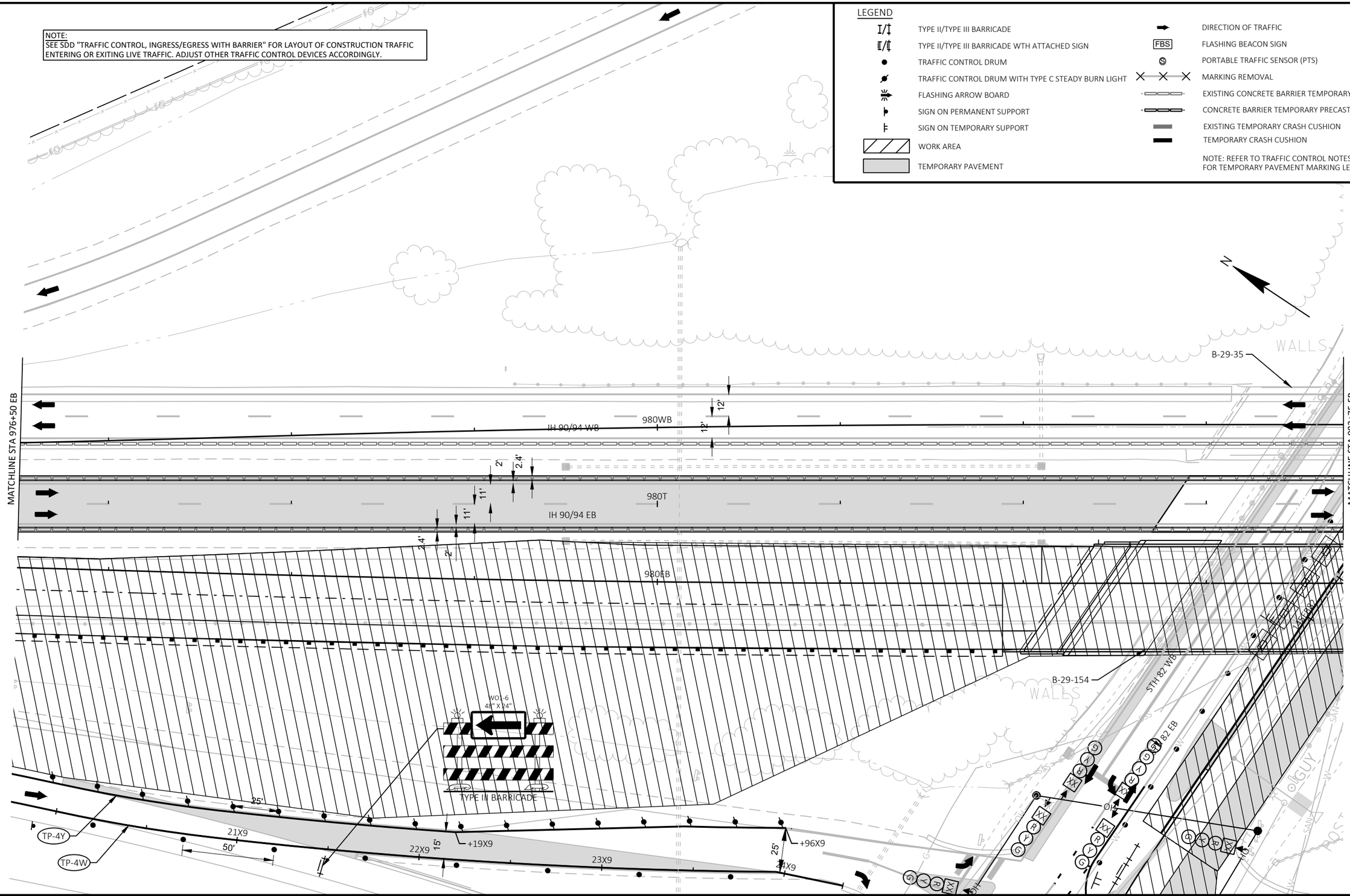
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 247	E

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

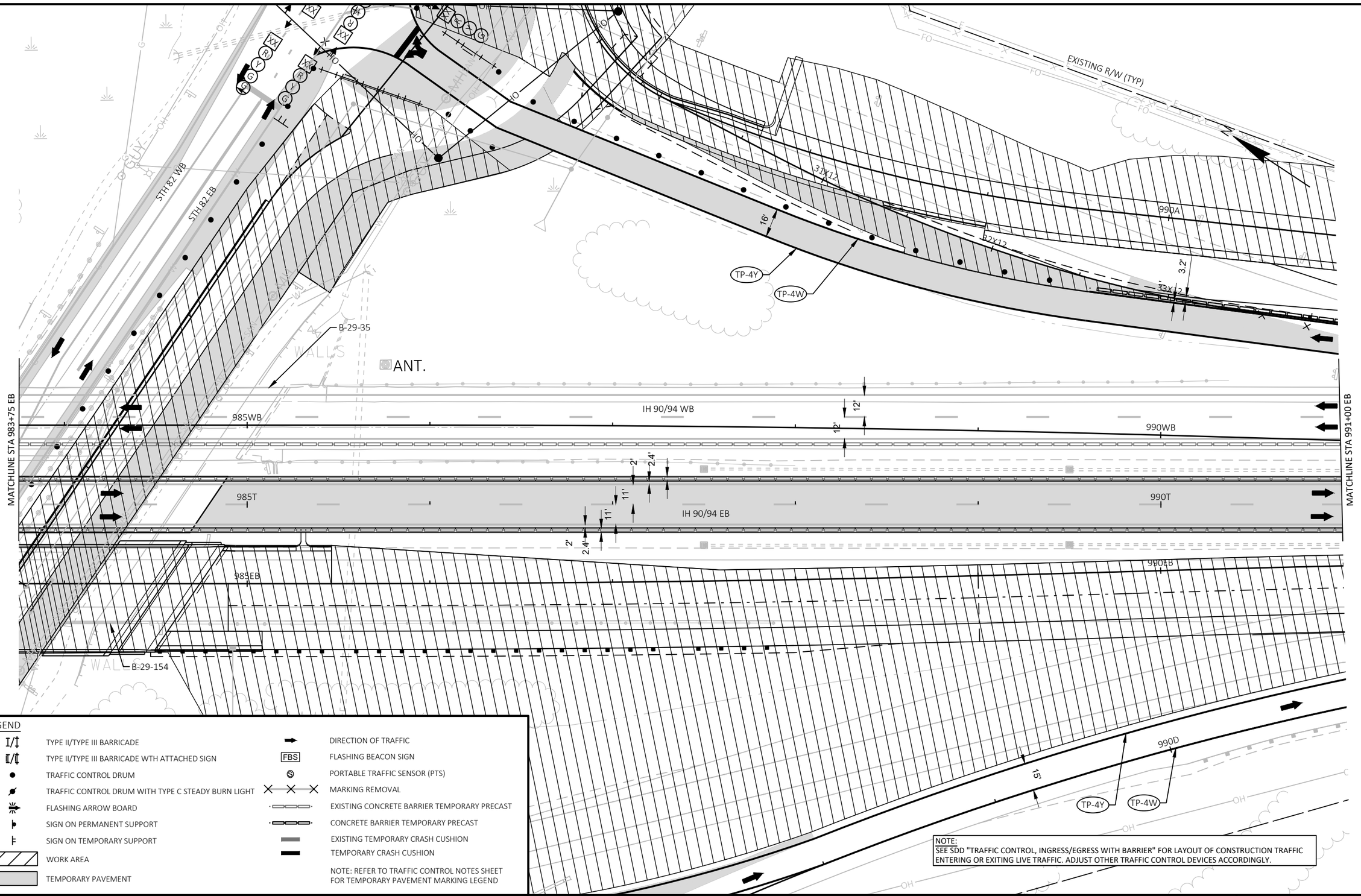
NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 248	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 07
PLOT DATE : 10/28/2021 2:49 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 249	E

2

SIGN

EXISTING R/W (TYP)

995A

TP-4W

TP-8W

WO5-52R
18"X54"

TP-4W-3D

34X12

35X12

36X12

37X12

38X12

39X12

40X12

41X12

TM-4Y

+67WB

+96WB

12'

12'

IH 90/94 WB

995WB

MATCHLINE STA 991+00 EB

MATCHLINE STA 998+25 EB

995T

IH 90/94 EB

995EB

50'

16'

25

24'

15'

WO5-52L
18"X54"

TP-4Y

TP-4W

R11-2
48" X 30"

ROAD
CLOSED

TYPE III BARRICADE

WO4-1R

OH

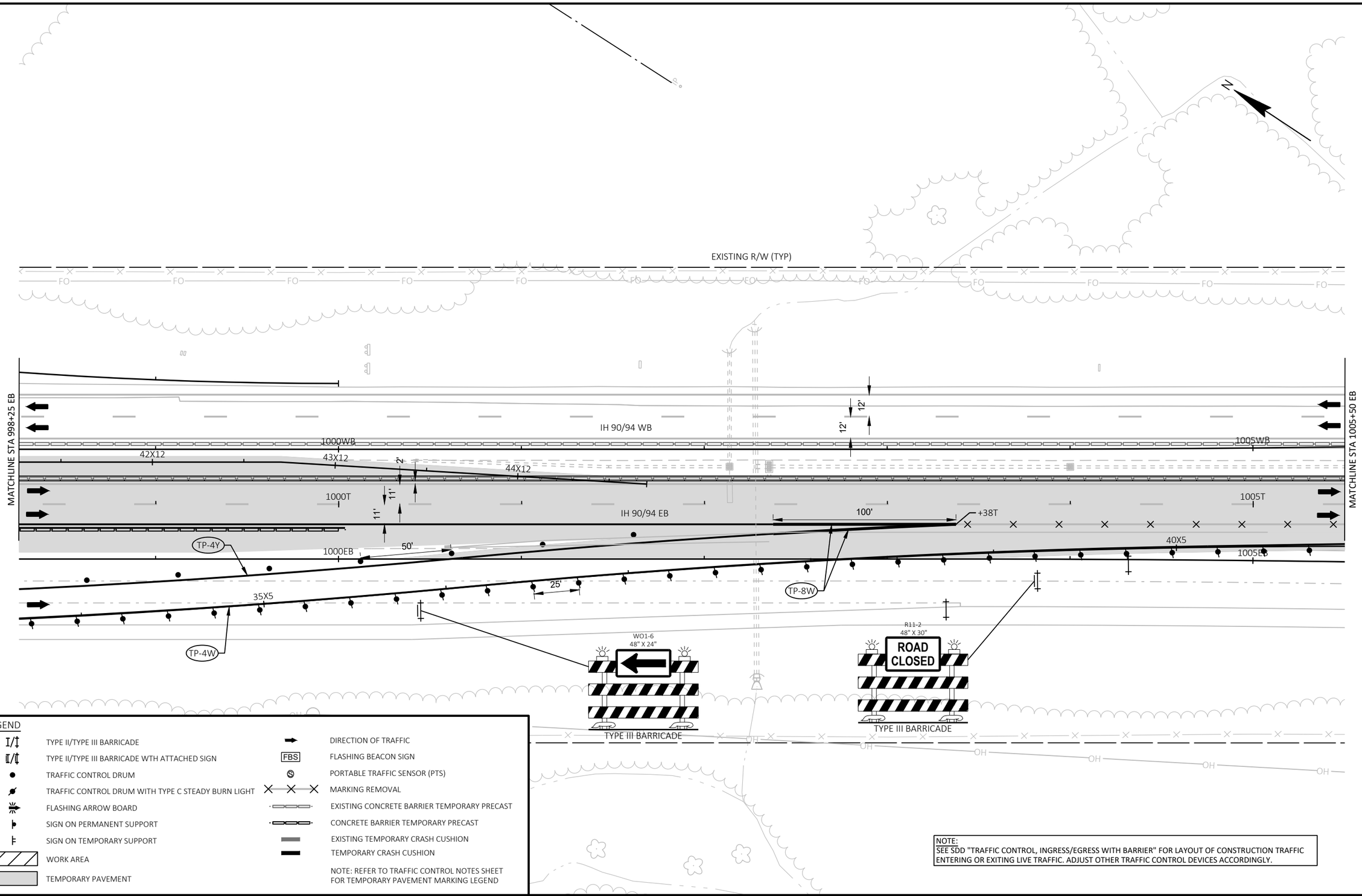
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION
- NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 250	E

2



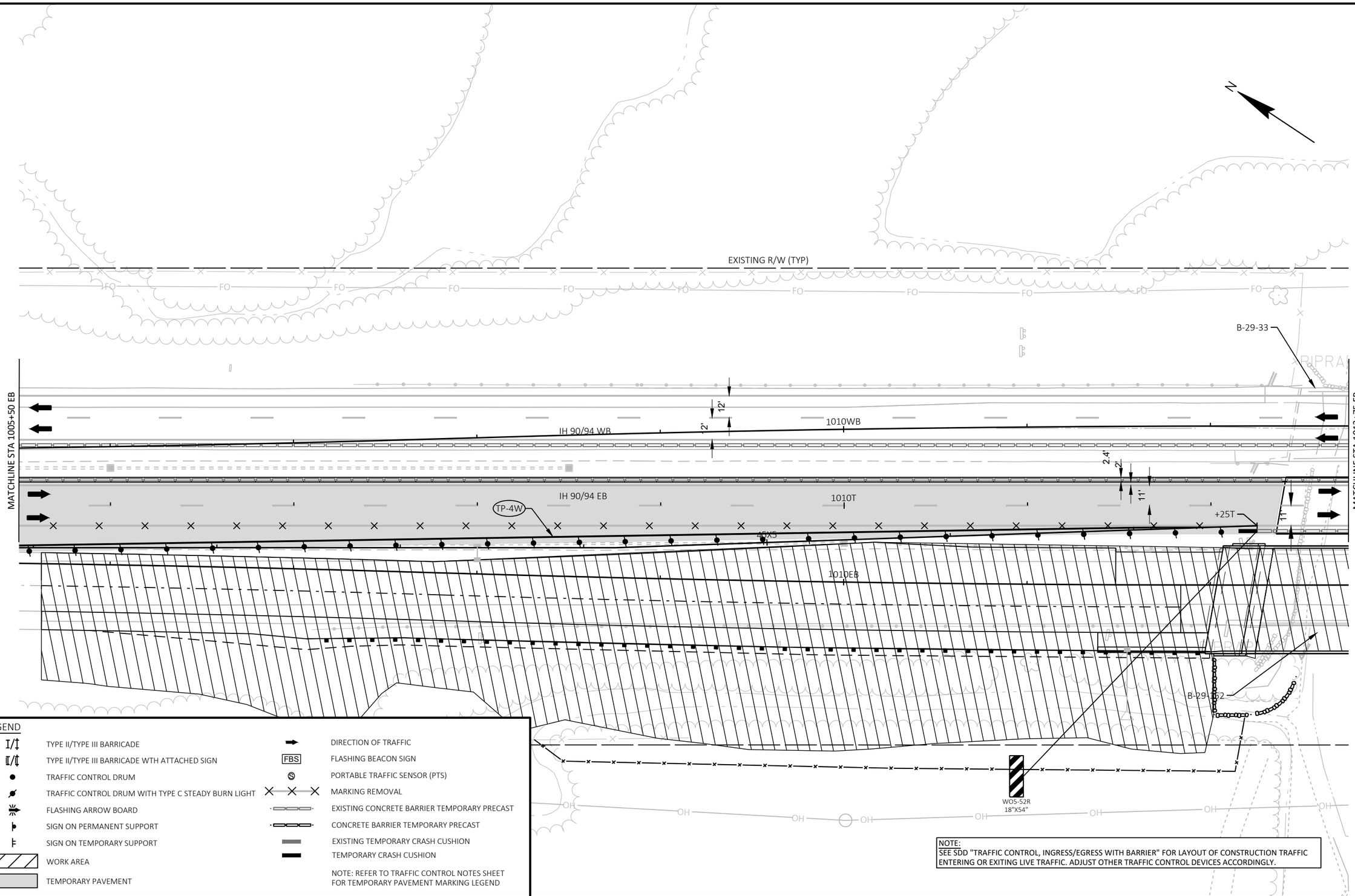
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION
- NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 251	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

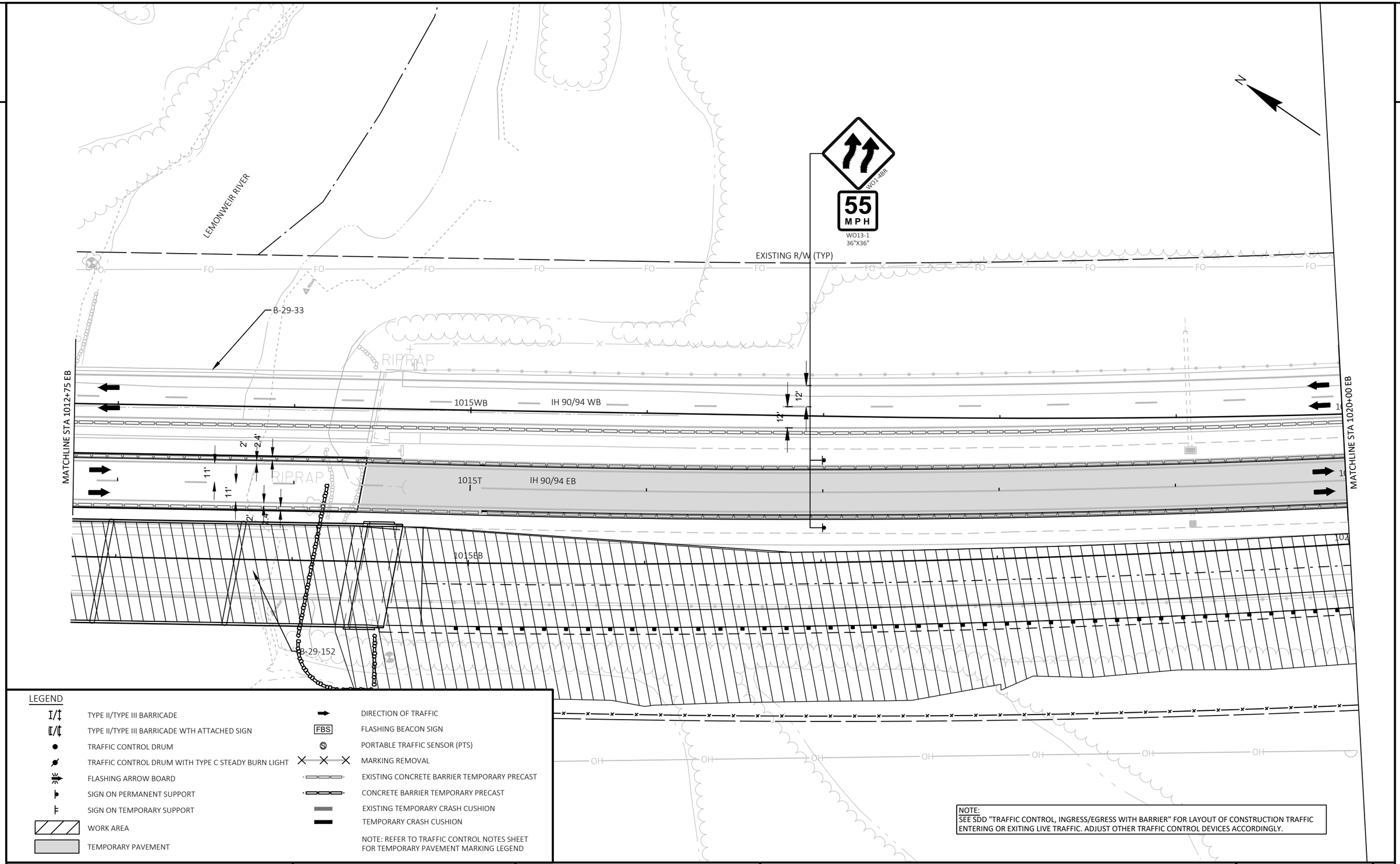
NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 252	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 11
PLOT DATE : 10/28/2021 2:49 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 253	E

2

2

N

EXISTING R/W (TYP)

SIGN

MATCHLINE STA 1020+00 EB

020WB

12'

12'

IH 90/94 WB

1025WB

2'

2.4'

020T

11'

IH 90/94 EB

1025T

11'

2.4'

2'

OEB

1025EB

MATCHLINE STA 1027+25 EB

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 254	E

2

2

EXISTING R/W (TYP)

N

SIGN

WO1-6
48"X24"

MATCHLINE STA 1027+25 EB

MATCHLINE STA 1034+50 EB

IH 90/94 WB

1030WB

12'

12'

2'

11'

1'

2.4'

2'

1030T

IH 90/94 EB

1030EB

50'

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

SIGN

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

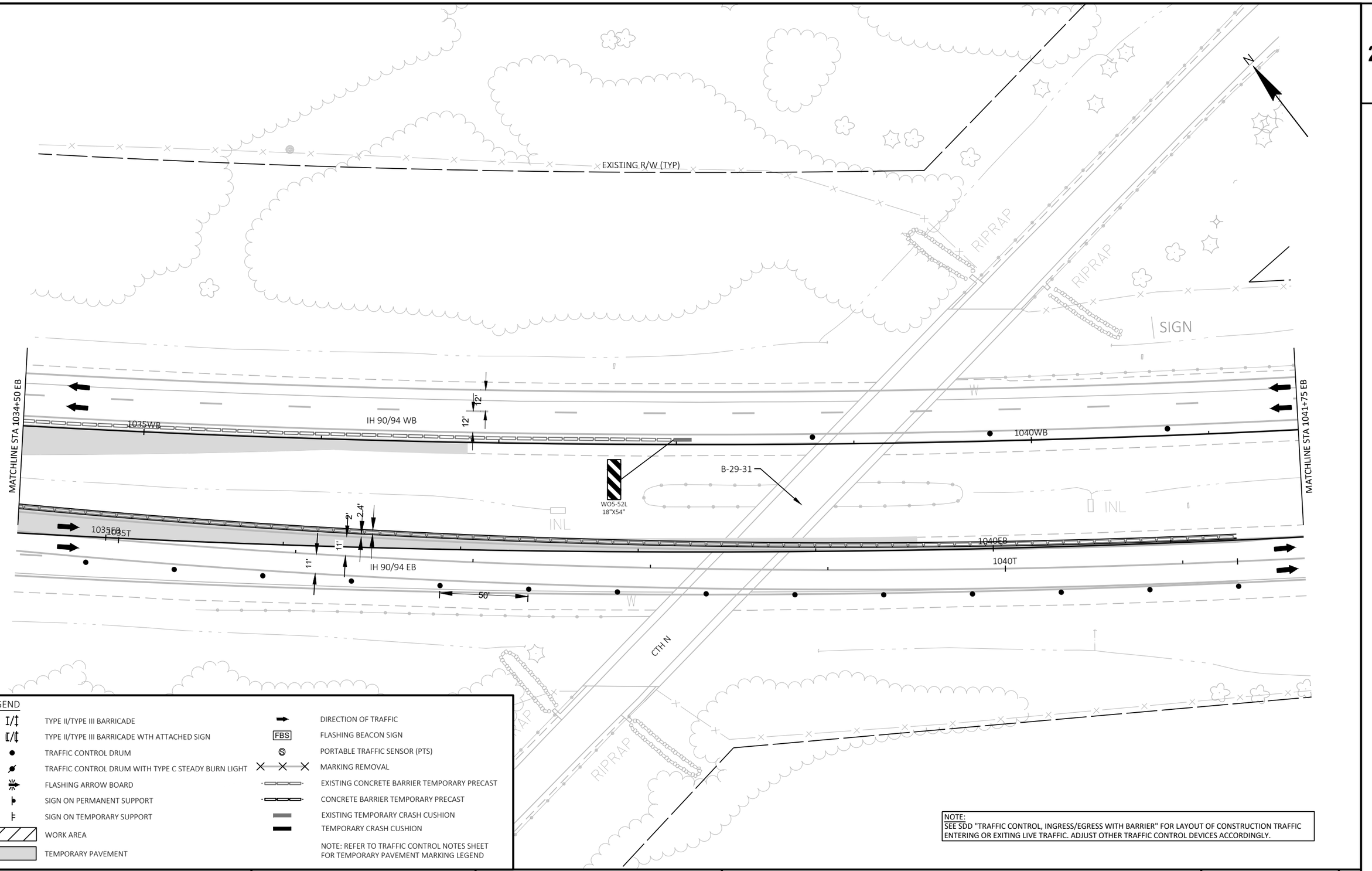
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 255	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION
- NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 256	E

2

SEPV

N

W01-6
48" X 24"

TYPE III BARRICADE

EXISTING R/W (TYP)

SEE SDD, "TRAFFIC CONTROL, MULTIPLE LANE SHIFT MULTILANE DIVIDED ROAD" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

1000' 500' 700' 3000'

W21-48R

SPEED LIMIT 60
R2-1
48"X60"

SPEED LIMIT 60
W21-5

ROAD WORK 1 MILE
W20-1F

176' TAPER

12'

12'

IH 90/94 WB

1045WB

50'

MATCHLINE STA 1041+75 EB

1045EB

IH 90/94 EB

500'

END ROAD WORK
G20-2A
48"X24"

SPEED LIMIT 70
R2-1
48"X60"

LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM		PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

NOTE:
SEE SDD "TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER" FOR LAYOUT OF CONSTRUCTION TRAFFIC ENTERING OR EXITING LIVE TRAFFIC. ADJUST OTHER TRAFFIC CONTROL DEVICES ACCORDINGLY.

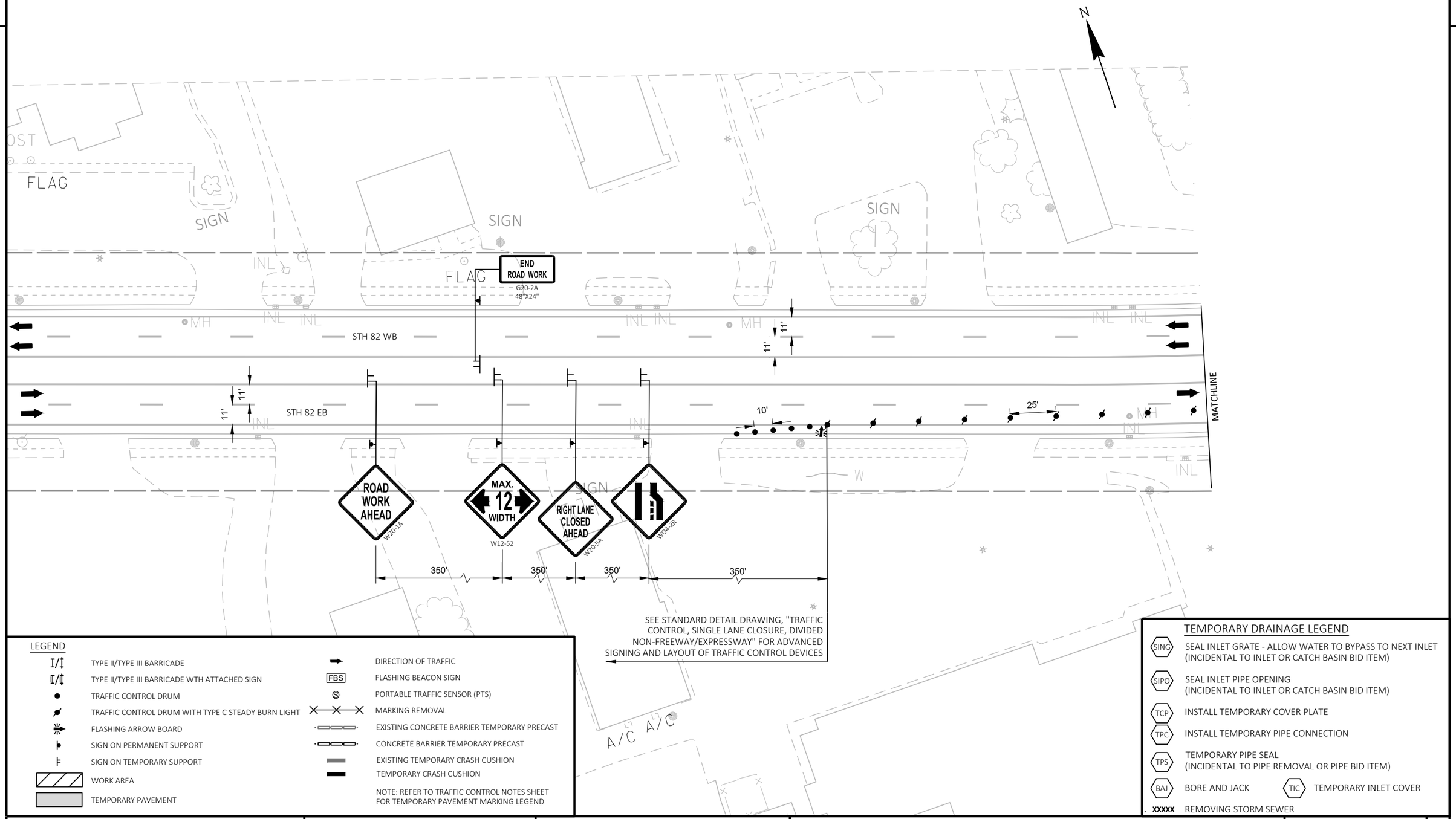
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C	SHEET 257	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 16

PLOT DATE : 10/28/2021 2:50 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER

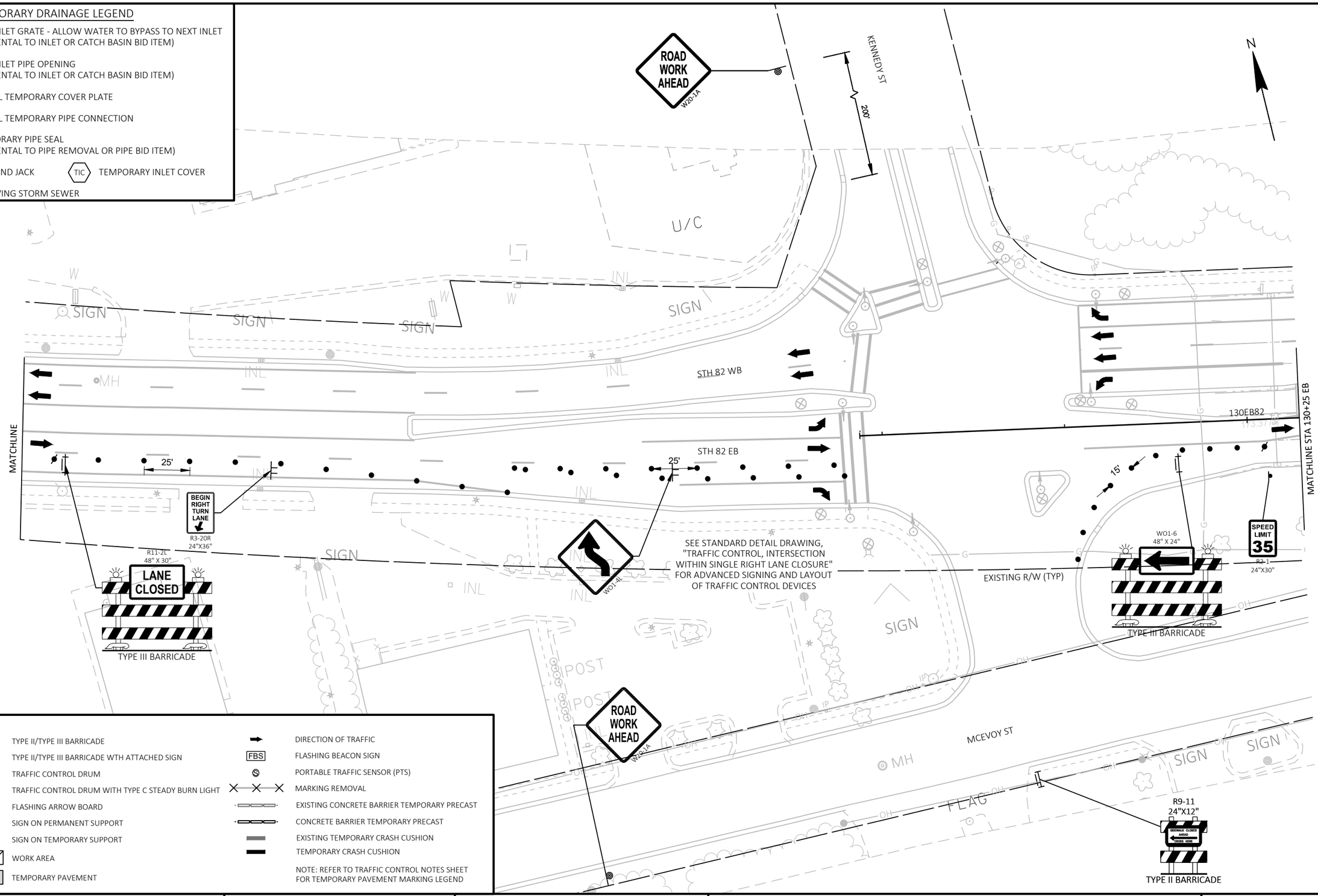
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (STH 82)	SHEET 258	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 17.1
PLOT DATE : 10/28/2021 2:50 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

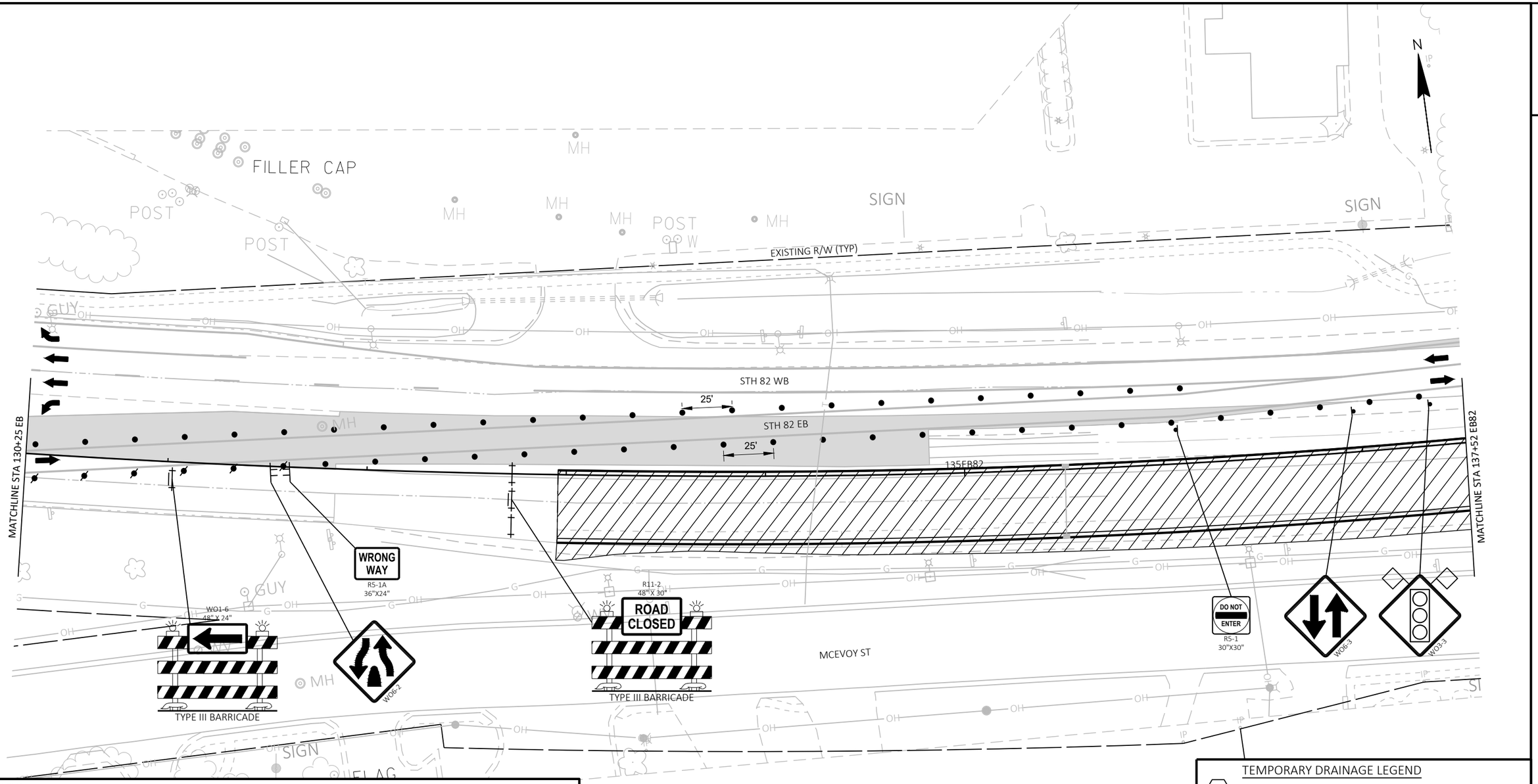
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (STH 82)	SHEET 259 E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 17.2

PLOT DATE : 10/28/2021 2:50 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER

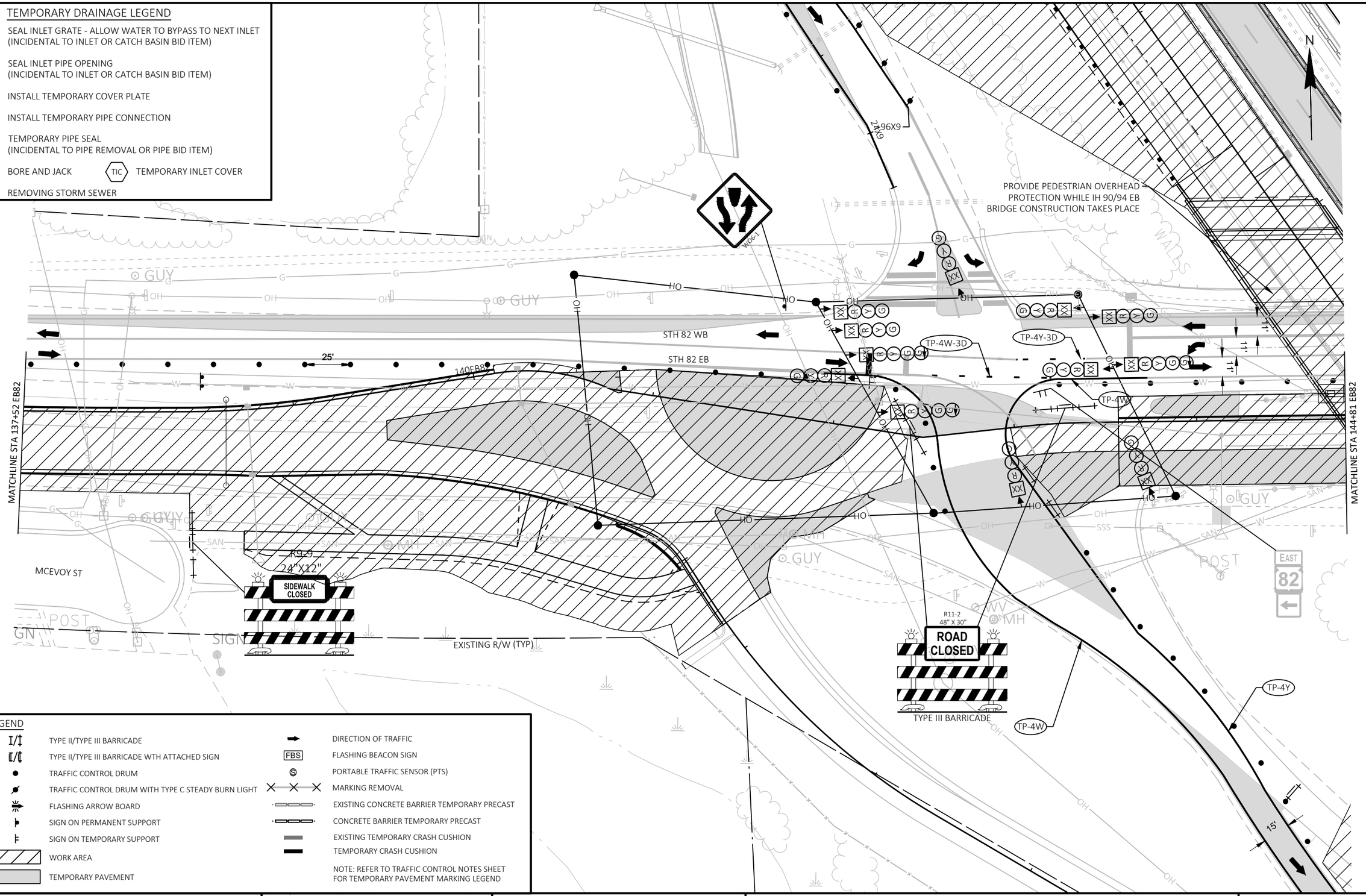
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (STH 82)	SHEET 260	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 18
PLOT DATE : 10/28/2021 2:51 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (STH 82)	SHEET 261	E

SEE STAGE 2C IH 90 TRAFFIC CONTROL SHEETS FOR STAGE 2C IH 90 CONFIGURATION

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 EB BRIDGE CONSTRUCTION TAKES PLACE

UTILIZE PREVIOUSLY CONSTRUCTED TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELD

N

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER

STH 82 WB

STH 82 EB

TP-18W

TP-4Y

TP-4W

MATCHLINE STA 144+81 EB82

MATCHLINE STA 152+13 EB82

148EB82

150EB82

985WB

985T

985EB

ANT.

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SPEED LIMIT 35
R2-1
24"X30"

W01-4L

40 TON BRIDGE 9 MILES AHEAD

SIGN

RIPE

31X12

INSTALL TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELD FOR NEXT STAGE

SEE RAMP A OVERVIEW SHEET FOR RAMP A DETAILS

TEMPORARY PIPE CONNECTION FROM EXISTING STORM SEWER LINE INTO PROPOSED STORM SEWER LINE TO BE CONSTRUCTED DURING THIS STAGE. UTILIZE A SHORT TERM RIGHT TURN MOVEMENT DIVERSION AROUND PIPE WORKZONE. ADJUST PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES ACCORDINGLY DURING THE CONSTRUCTION OF THIS TEMPORARY PIPE.

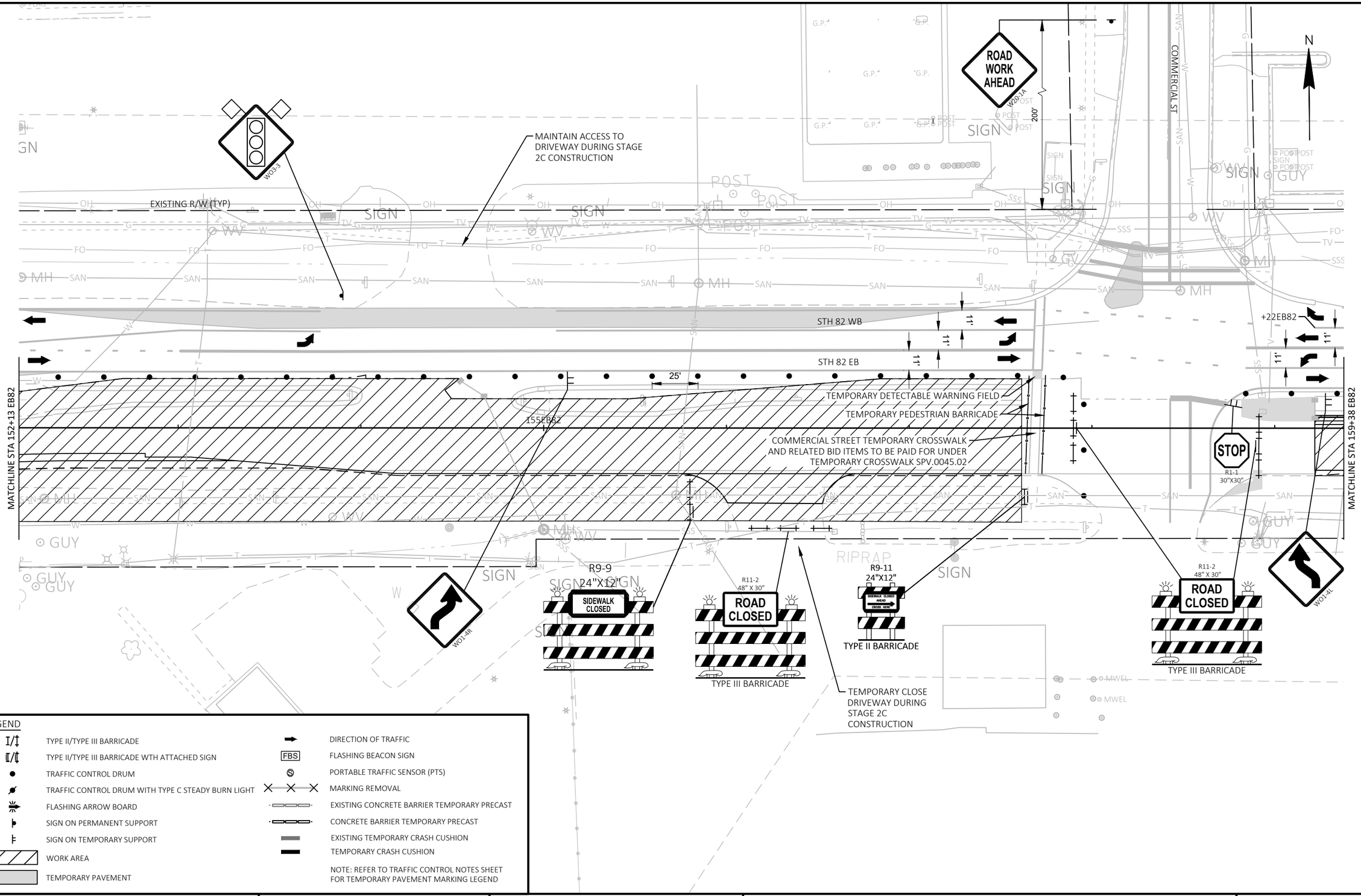
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (STH 82)	SHEET 262 E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (STH 82)	SHEET 263	E

2

N

MAINTAIN ACCESS TO DRIVEWAY
DURING STAGE 2C CONSTRUCTION

EXISTING R/W (TYP)

STH 82 WB

STH 82 EB

11'

11'

11'

11'

11'

11'

25'

MATCHLINE STA 159+38 EB82

MATCHLINE STA 166+63 EB82

160EB82

165EB82

R11-2
48" X 30"

ROAD
CLOSED

TYPE III BARRICADE

TEMPORARY CLOSE
DRIVEWAY DURING STAGE
2C CONSTRUCTION

LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (STH 82)	SHEET 264	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 22

PLOT DATE : 10/28/2021 2:51 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

ROAD WORK AHEAD
W20-1A

200'

LODGE LN

MAINTAIN ACCESS TO LODGE LANE DURING STAGE 2C CONSTRUCTION

11'
11'

STH 82 WB
STH 82 EB

25'

170EB82

MATCHLINE STA 166+63 EB82

MATCHLINE STA 173+88 EB82

PROVIDE ACCESS TO DRIVEWAY DURING CONSTRUCTION USING CONTRACTOR ACCESS EAST OF THE PROJECT LIMITS

W01-4R

PLACE 350' PRIOR TO SHIFT

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

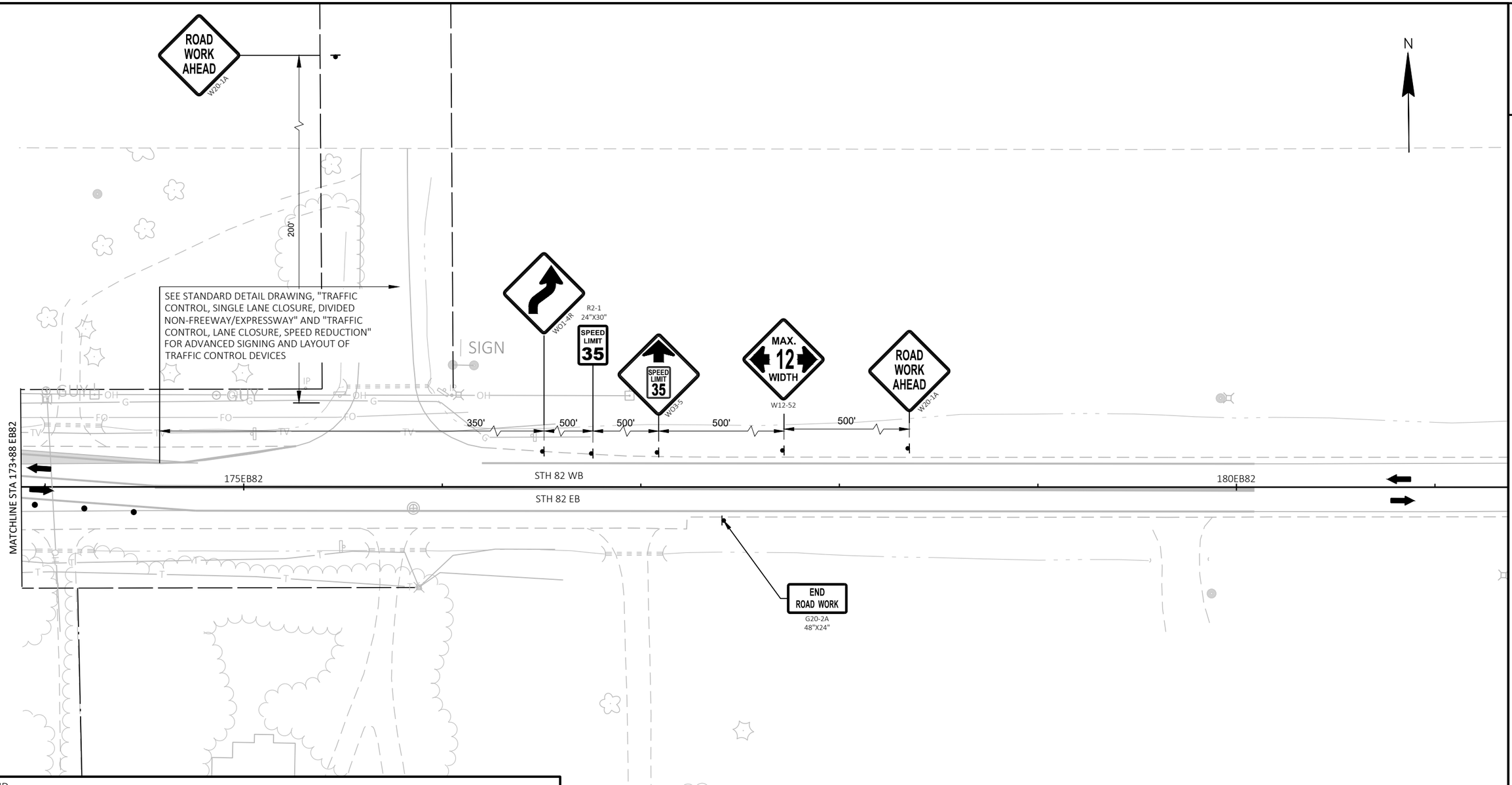
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (STH 82)	SHEET 265	E

2



LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (STH 82)	SHEET 266	E

2

2

N

975WB

975T

975EB

980WB

IH 90/94 WB

980T

IH 90/94 EB

980EB

985WB

985T

985EB

985D

RAMP C

TP-4Y

TP-4W

WO3-3

21X9

22X9

+19X9

23X9

24X9

+96X9

LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	S	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

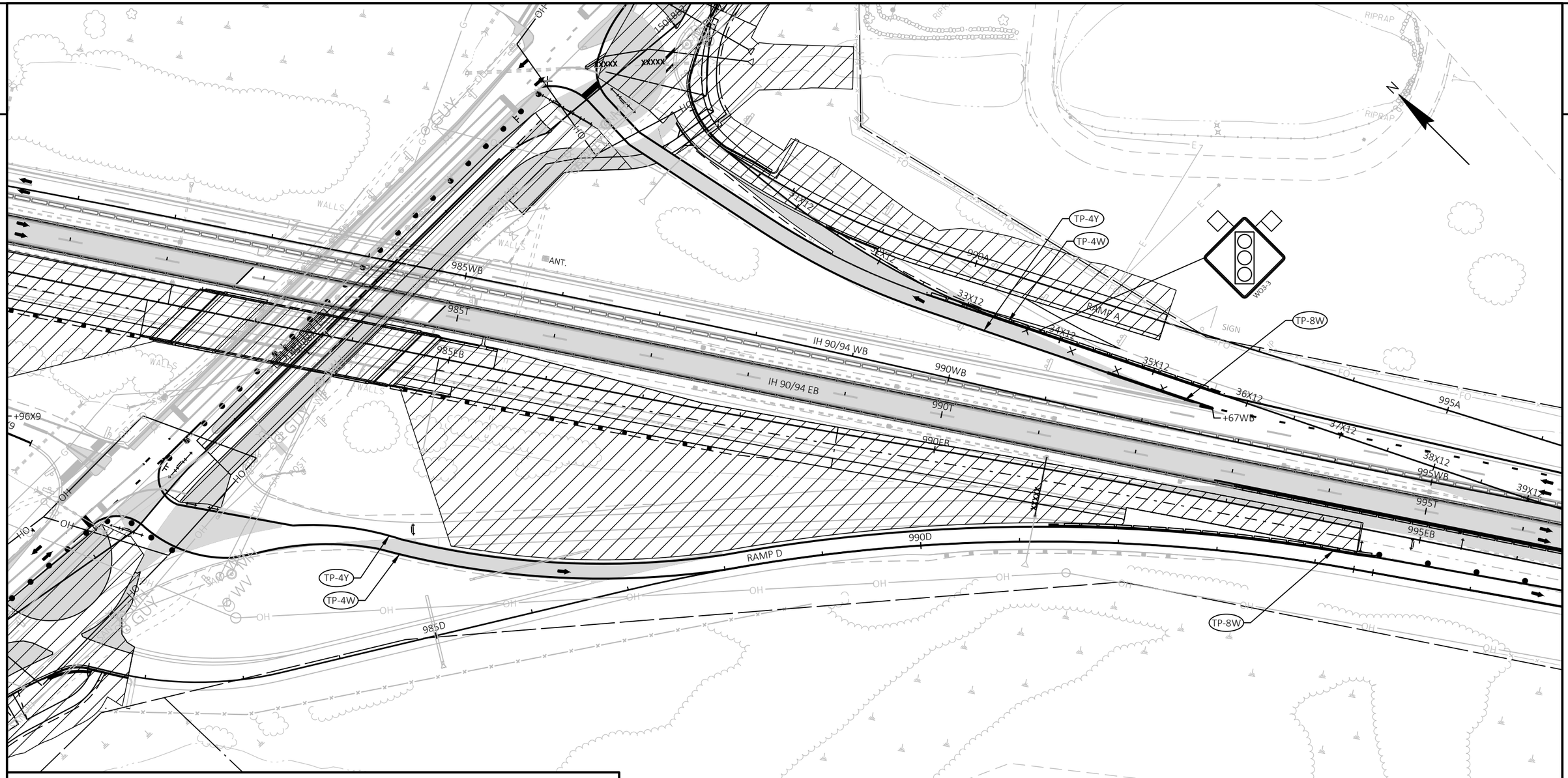
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (RAMP B & C)	SHEET 267	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 25

PLOT DATE : 10/28/2021 2:52 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2C (RAMP A & D)	SHEET 268	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2C.DWG
LAYOUT NAME - 26
PLOT DATE : 10/28/2021 2:52 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

SIGN

SIGN

SIGN

END ROAD WORK
G20-2A
48"X24"

MH

INL INL

INL INL

MH

INL INL

STH 82 WB

11'

11'

10'

25'

MATCHLINE 123+25 EXEB82

11'

11'

STH 82 EB

INL

INL

MH

INL

INL

W

SIGN

ROAD WORK AHEAD
W20-1A

MAX. 11 WIDTH
W12-52

LEFT LANE CLOSED AHEAD
W20-5SA

W04-2L

350'

350'

350'

350'

SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

STAGE 2D DESCRIPTION:
TRAFFIC ON IH 90/94 EB WILL REMAIN ON THE NEW TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN. TRAFFIC ON STH 82 WILL REMAIN ONE LANE IN EACH DIRECTION. TEMPORARY SIGNALS AT THE STH 82 RAMP TERMINALS WILL REMAIN IN PLACE. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE REST OF THE STH 82 EB LANES AT THE RAMP TERMINAL INTERSECTIONS, FINISH CONSTRUCTING REMAINING IH 90/94 EB LANES, AND CONSTRUCT THE EAST HALF OF THE THE CHINA BUFFET DRIVEWAY. ALSO, CONSTRUCT PORTION OF IH 90/94 WB EXIT AND IH 90/94 RAMP CROSSOVER. MAINTAIN TRAFFIC ON THE EXISTING STH 82 WB INSIDE LANE TO CONSTRUCT GAPPED INTERSECTION PAVEMENT BETWEEN STATION 142+49 TO 143+57 AND STATION 149+05 TO 150+60. MAINTAIN ACCESS TO DRIVEWAY ENTRANCES AND INTERSECTIONS DURING CONSTRUCTION OPERATIONS. PEDESTRIAN ACCESS WILL BE LIMITED TO THE NORTH SIDE OF STH 82 IN THIS STAGE. BUSINESSES CAN WORK WITH THE CONSTRUCTION ENGINEER AND CONTRACTOR TO PROVIDE 'BUSINESS IS OPEN' SIGNING DURING CONSTRUCTION.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (STH 82)	SHEET 269	E

2

ROAD WORK AHEAD
W20-1A

KENNEDY ST

200'

N

R9-11
24"X12"
SIDEWALK CLOSED AHEAD
CROSS HERE

TYPE II BARRICADE

SIGN

MH

INL

W

STH 82 WB

STH 82 EB

11'

25'

12'

15'

130EB82

MATCHLINE 123+25 EXEB82

MATCHLINE STA 130+25 EB82

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

EXISTING R/W (TYP)

WO1-6
48" X 24"

SPEED LIMIT
35
R2-1
24"X30"

TYPE III BARRICADE

POST

IP

OH

ROAD WORK AHEAD
W20-1A

MCEVOY ST

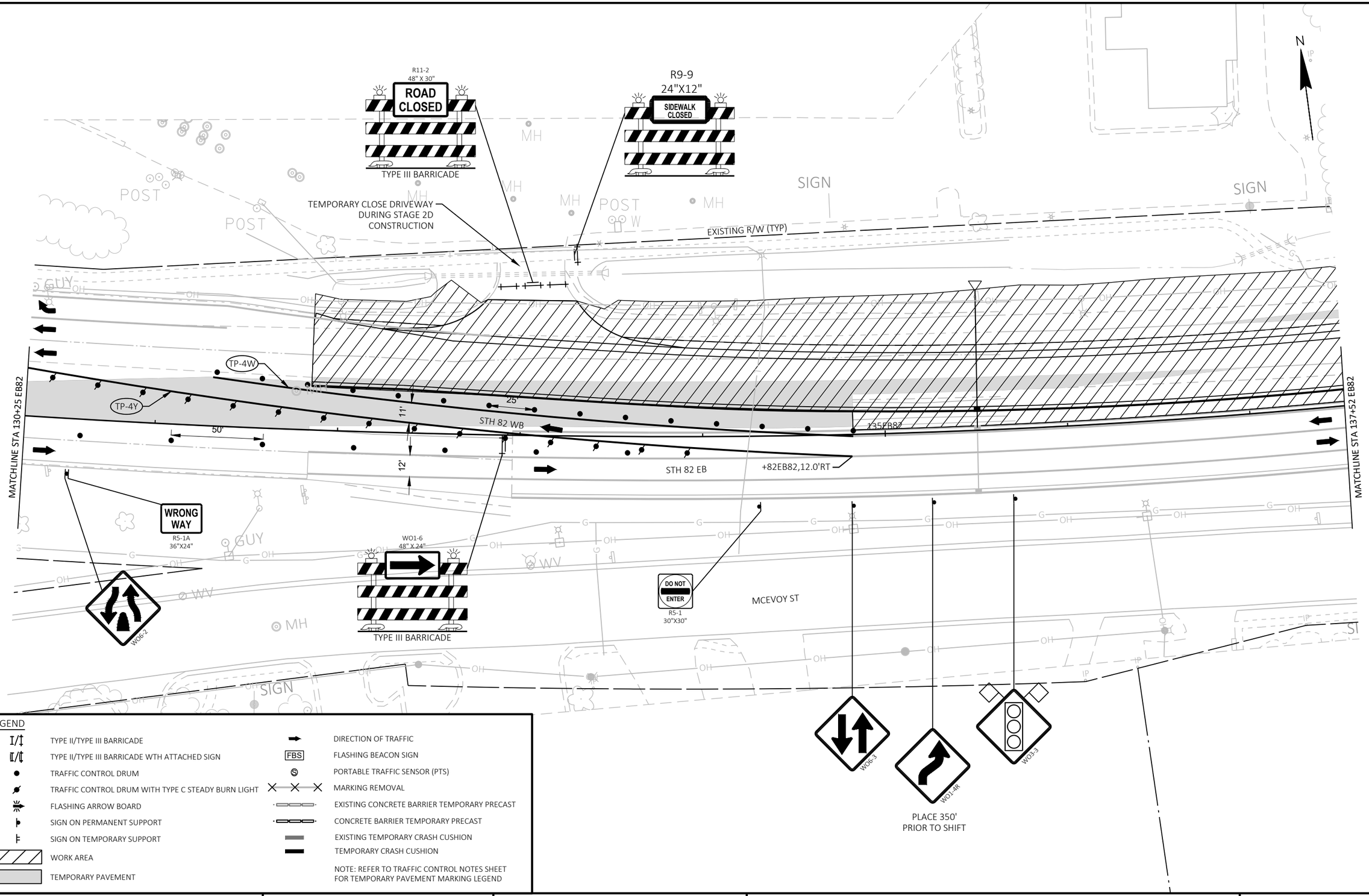
LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (STH 82)	SHEET 270	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2D.DWG
LAYOUT NAME - 17.2
PLOT DATE : 10/28/2021 3:06 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕—✕—✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (STH 82)	SHEET 271	E

2

2

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

PLACE 350'
PRIOR TO SHIFT

W01-4R

W06-1

N

TP-8W

TP-4W

15'

15'

140EB82

+43EB82,12.0'RT

+6EB82,34.4'RT

25'

11'

12'

25'

11'

STH 82 WB

STH 82 EB

TP-18W

TP-18W

+40EB82,30.4'RT

11'

11'

TP-4Y

TP-4W

TP-4W

HO

+41EB82,31.5'RT

HO

HO

TP-4W

TP-4Y

TP-8W

MATCHLINE STA 137+52 EB82

MATCHLINE STA 144+81 EB82

MCEVOY ST

R9-9
24"X12"
SIDEWALK CLOSED

R11-2R
48" X 30"
RAMP CLOSED

EXISTING R/W (TYP)

TYPE III BARRICADE

TEMPORARY PEDESTRIAN BARRICADE

EXISTING DETECTABLE WARNING FIELD

EXISTING DETECTABLE WARNING FIELD

UTILIZE TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELDS INSTALLED IN PREVIOUS STAGES

25'

WO1-6
48" X 24"

TYPE III BARRICADE

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (STH 82)	SHEET 272	E

SEE STAGE 2C IH 90 TRAFFIC CONTROL SHEETS FOR STAGE 2D IH 90 CONFIGURATION

N

MATCHLINE STA 144+81 EB82

MATCHLINE STA 152+13 EB82

148EB82

150EB82

TP-4W-3D

TP-4W

TP-4Y

TP-8W

TP-18W

STH 82 WB

STH 82 EB

11'

+69EB82,-16.2'LT

+87EB82,-19.5'LT

+6EB82,7.2'RT

+62EB82,8.1'RT

TCP

25'

OH

985T

985WBEX

984EB

EXISTING R/W (TYP)

TEMPORARY PEDESTRIAN BARRICADE

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 EB BRIDGE CONSTRUCTION TAKES PLACE

UTILIZE TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELDS INSTALLED IN PREVIOUS STAGES

SPEED LIMIT 35

R2-1 24"X30"

R9-9 24"X12"

SIDEWALK CLOSED

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (STH 82)	SHEET 273 E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2D.DWG
LAYOUT NAME - 20

PLOT DATE : 10/28/2021 3:06 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER

TYPE II BARRICADE

R9-9 30" X 18" SIDEWALK CLOSED

TYPE II BARRICADE

WO1-6 48" X 24"

TYPE III BARRICADE

CONSTRUCT EAST SIDE OF DRIVEWAY AND MEDIAN NOSE TEMPORARY PAVEMENT. REMAINING WEST HALF OF DRIVEWAY AND INTERSECTION TO BE CONSTRUCTED IN STAGE 2E.

EXISTING R/W (TYP)

ROAD WORK AHEAD W20-1A 200'

R9-9 30" X 18" SIDEWALK CLOSED

TYPE II BARRICADE

TYPE II BARRICADE

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

STOP R1-1 30"X30"

TCP

TR-4W

TR-4Y

10' 10'

11' 11'

COMMERCIAL STREET TEMPORARY CROSSWALK AND RELATED BID ITEMS TO BE PAID FOR UNDER TEMPORARY CROSSWALK SPV.0045.02

TEMPORARY PEDESTRIAN BARRICADE (TYP)

TEMPORARY DETECTABLE WARNING FIELD (TYP)

TP-4Y TP-4W TR-18SW

155EB82

STH 82 WB

+71EB82,3.0'RT

+47EB82,-4.0'LT

+32EB82,7.0'RT

STH 82 EB

TP-4W-3D TP-8W TP-4W

MATCHLINE STA 152+13 EB82

COMMERCIAL STREET CONSTRUCTION: PHASE 2D-1

N

COMMERCIAL ST

TP-4Y TP-4W

+8EB82,9.6'RT

TP-4Y TP-4W

MATCHLINE STA 159+38 EB82

GAP INTERSECTION AS NECESSARY TO MAINTAIN ACCESS AND CONSTRUCT HES CONCRETE. USE FLAGGERS ONLY AT APPROVED TIMES AND UTILIZE NIGHT TIME CLOSURES

COMMERCIAL STREET CONSTRUCTION: PHASE 2D-2 & 2D-3

-PHASE 2D-2

-PHASE 2D-3

SEE STAGE 2D COMMERCIAL STREET PEDESTRIAN ACCOMMODATIONS CONSTRUCTION DETAIL FOR PEDESTRIAN ACCOMMODATIONS & SIGNING REQUIRED FOR PHASE 2D-2 AND 2D-3

COMMERCIAL STREET TEMPORARY CROSSWALKS (2) AND RELATED BID ITEMS TO BE PAID FOR UNDER TEMPORARY CROSSWALK SPV.0045.02

TEMPORARY BASE AGGREGATE TO BE USED AT JOINT CORNERS TO ALLOW TEMPORARY TRUCK TURNING MOVEMENTS

TP-4Y TP-4W TP-4W

STH 82 WB

+71EB82,3.0'RT

STH 82 EB

+8EB82,9.6'RT

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (STH 82)	SHEET 274	E

NOTES:

SEE TRAFFIC CONTROL: STAGE 2D (STH 82) PLAN SHEETS FOR ADDITIONAL TRAFFIC CONTROL DETAILS .

SEE S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR ADDITIONAL DETAILS.

2

2

N

COMMERCIAL ST

R9-9
30" X 18"
SIDEWALK CLOSED

TYPE II BARRICADE (TYP)

TYPE II BARRICADE

TEMPORARY PEDESTRIAN SURFACE PLYWOOD

EXISTING R/W

R9-11R
24"X12"

R9-11L
24"X12"

TYPE II BARRICADE

TYPE II BARRICADE

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY CURB RAMP

TEMPORARY DETECTABLE WARNING FIELD

155EB82 156EB82 157EB82 158EB82 STH 82 WB 159EB82 160EB82 161EB82 162EB82

STH 82 EB

NEWLY CONSTRUCTED DETECTABLE WARNING FIELD

SIGN POST

STAGE 2D PEDESTRIAN ACCOMMODATIONS AT COMMERCIAL ST
PHASE 2D-2

N

COMMERCIAL ST

R9-11L
24"X12"

TYPE II BARRICADE

R9-9
30" X 18"
SIDEWALK CLOSED

TYPE II BARRICADE

TEMPORARY CURB RAMP

EXISTING R/W

R9-9
30" X 18"
SIDEWALK CLOSED

TYPE II BARRICADE

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY DETECTABLE WARNING FIELD

155EB82 156EB82 157EB82 158EB82 STH 82 WB 159EB82 160EB82 161EB82 162EB82

STH 82 EB

NEWLY CONSTRUCTED DETECTABLE WARNING FIELD

SIGN POST

STAGE 2D PEDESTRIAN ACCOMMODATIONS AT COMMERCIAL ST
PHASE 2D-3

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL - STAGE 2D PEDESTRIAN ACCOMMODATIONS AT COMMERCIAL ST	SHEET 275	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2D_PED ACCOM DETAIL.DWG
LAYOUT NAME - 01

PLOT DATE : 10/28/2021 3:08 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

N

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SIGN

EXISTING R/W (TYP)

RIPRAP

160EB82

165EB82

MATCHLINE STA 159+38 EB82

MATCHLINE STA 166+63 EB82

WB-65
AASHTO 2001 (US)

STH 82 WB

STH 82 EB

11'

11'

TP-4Y

TP-4W

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

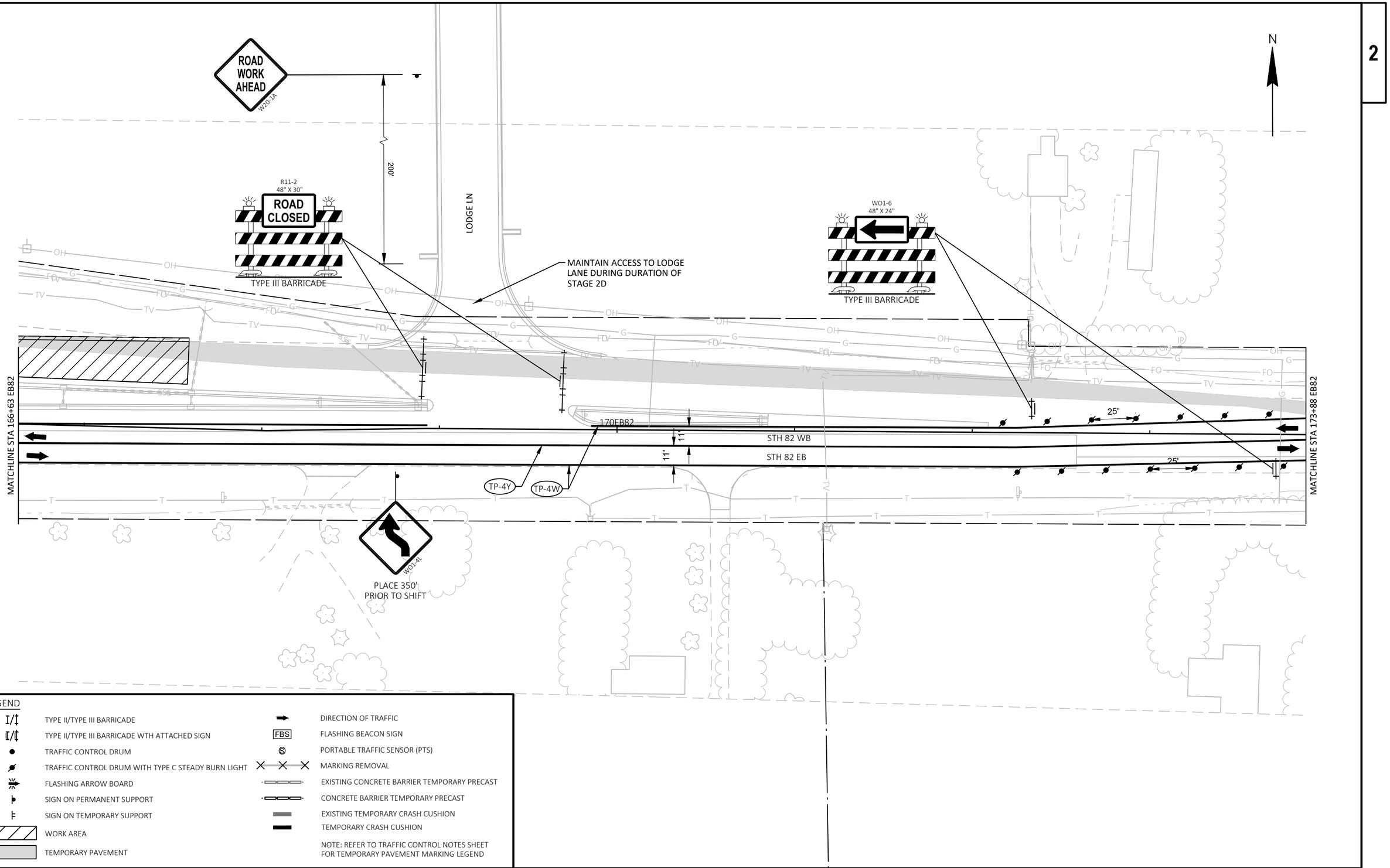
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (STH 82)	SHEET 276	E

2



LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (STH 82)	SHEET 277	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2D.DWG
LAYOUT NAME - 23

PLOT DATE : 10/28/2021 3:09 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

ROAD WORK AHEAD
W20-1A

200'

SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" AND "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

W01-4L

R2-1
24"X30"
SPEED LIMIT 35

SPEED LIMIT 35
W03-5

MAX. 12 WIDTH
W12-52

ROAD WORK AHEAD
W20-1A

350' 500' 500' 500' 500'

N

SIGN

MATCHLINE STA 173+88 EB82

175EB82

STH 82 WB

STH 82 EB

180EB82

TP-4W

TP-4Y

END ROAD WORK
G20-2A
48"X24"

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (STH 82)	SHEET 278	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2D.DWG
LAYOUT NAME - 24
PLOT DATE : 10/28/2021 3:09 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

975B

975WBEX

9751

975EB

980WBEX

IH 90/94 WB

980T

IH 90/94 EB

980EB

985B

985WBEX

985T

985EB

RAMP C

TE-8W

TE-4Y

TE-4W

TE-18W

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (RAMP B & C)	SHEET 279	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2D.DWG
LAYOUT NAME - 25

PLOT DATE : 10/28/2021 3:09 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

RAMP A

RAMP D

IH 90/94 WB

IH 90/94 EB

985WBEX

985T

985EB

990WBEX

990T

990EB

995WBEX

995T

995EB

SIGN

RIPRAP

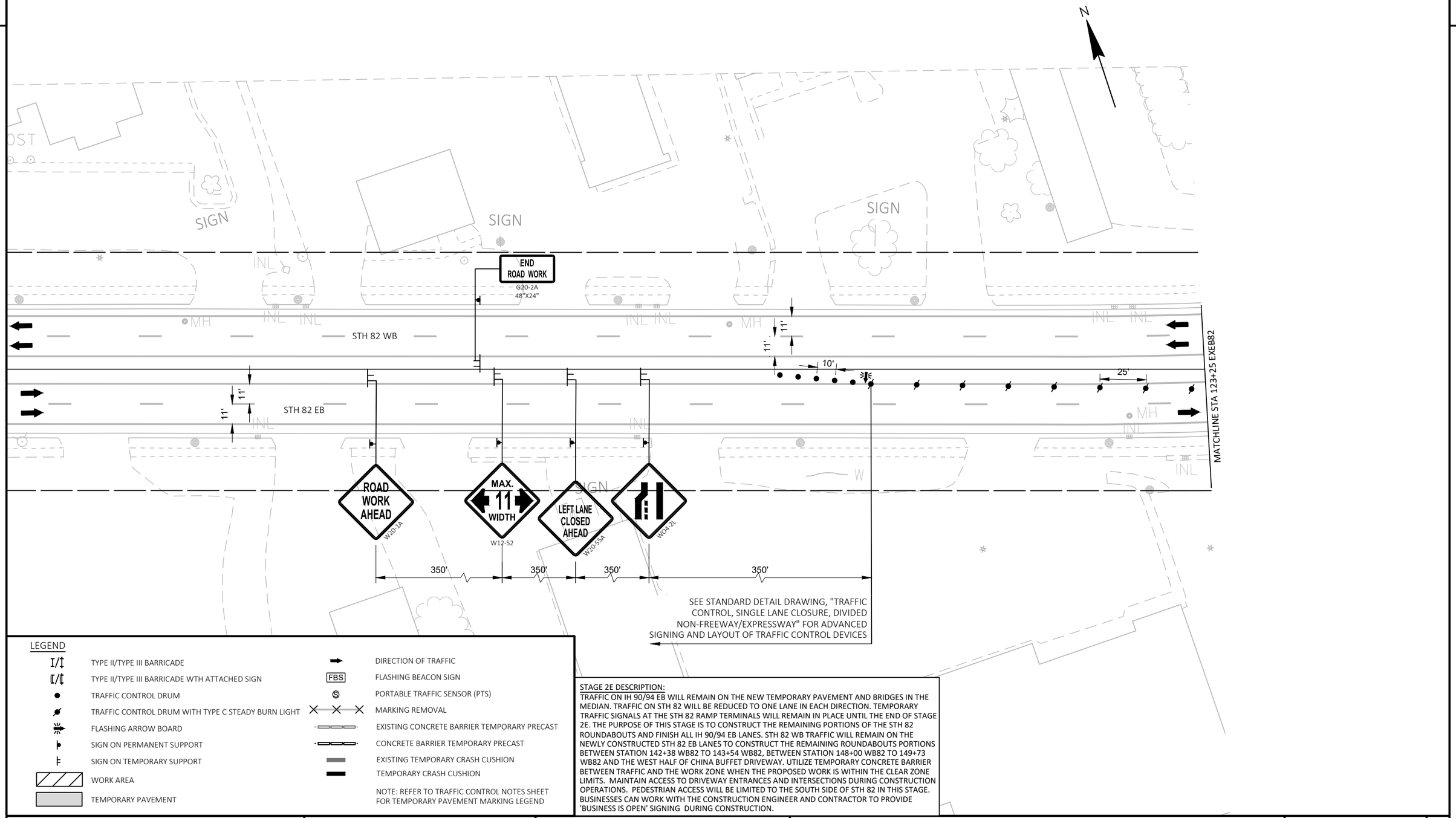
LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2D (RAMP A & D)	SHEET 280	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2D.DWG
LAYOUT NAME - 26
PLOT DATE : 10/28/2021 3:09 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

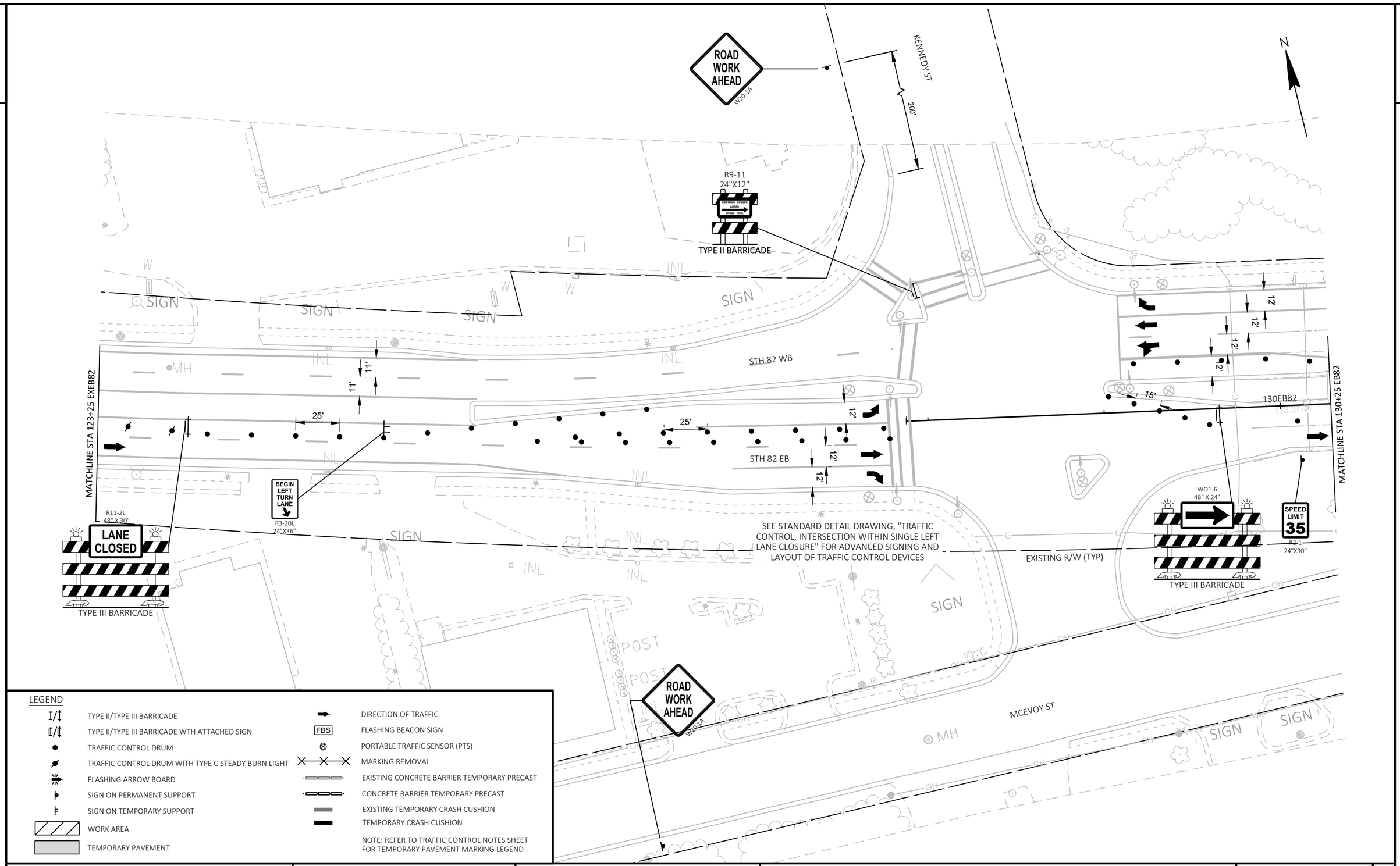
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION
- NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

STAGE 2E DESCRIPTION:
TRAFFIC ON IH 90/94 EB WILL REMAIN ON THE NEW TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN. TRAFFIC ON STH 82 WILL BE REDUCED TO ONE LANE IN EACH DIRECTION. TEMPORARY TRAFFIC SIGNALS AT THE STH 82 RAMP TERMINALS WILL REMAIN IN PLACE UNTIL THE END OF STAGE 2E. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE REMAINING PORTIONS OF THE STH 82 ROUNDABOUTS AND FINISH ALL IH 90/94 EB LANES. STH 82 WB TRAFFIC WILL REMAIN ON THE NEWLY CONSTRUCTED STH 82 EB LANES TO CONSTRUCT THE REMAINING ROUNDABOUTS PORTIONS BETWEEN STATION 142+38 WB82 TO 143+54 WB82, BETWEEN STATION 148+00 WB82 TO 149+73 WB82 AND THE WEST HALF OF CHINA BUFFET DRIVEWAY. UTILIZE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND THE WORK ZONE WHEN THE PROPOSED WORK IS WITHIN THE CLEAR ZONE LIMITS. MAINTAIN ACCESS TO DRIVEWAY ENTRANCES AND INTERSECTIONS DURING CONSTRUCTION OPERATIONS. PEDESTRIAN ACCESS WILL BE LIMITED TO THE SOUTH SIDE OF STH 82 IN THIS STAGE. BUSINESSES CAN WORK WITH THE CONSTRUCTION ENGINEER AND CONTRACTOR TO PROVIDE 'BUSINESS IS OPEN' SIGNING DURING CONSTRUCTION.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (STH 82)	SHEET 281	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2E.DWG
LAYOUT NAME - 17.1
PLOT DATE : 10/20/2021 8:05 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



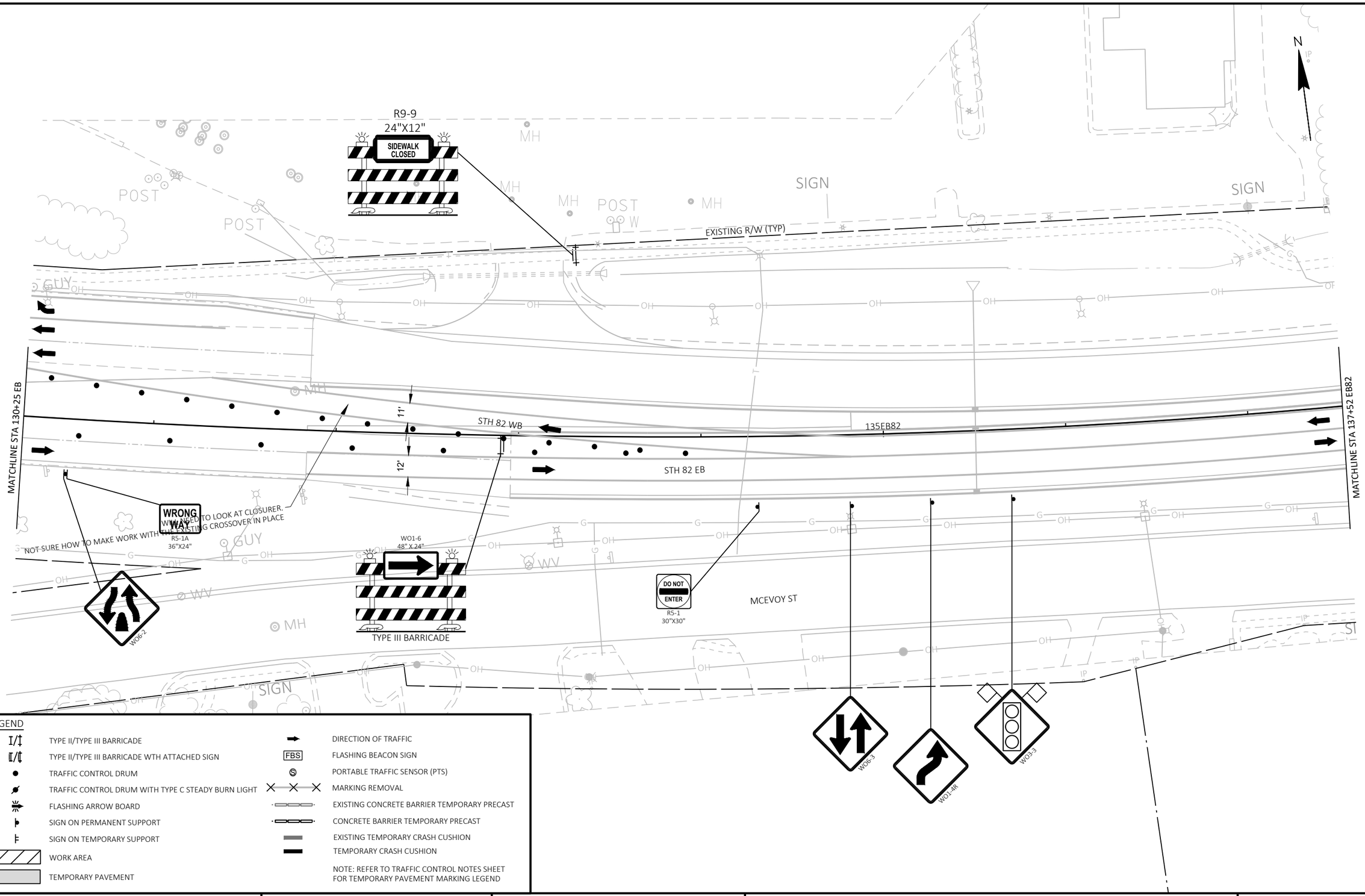
LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM		PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (STH 82)	SHEET 282	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2E.DWG
LAYOUT NAME - 17.2
PLOT DATE : 10/20/2021 8:05 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (STH 82)	SHEET 283	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2E.DWG
LAYOUT NAME - 18

PLOT DATE : 10/20/2021 8:05 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

PLACE 350' PRIOR TO SHIFT
W01-4R
W06-1

MATCHLINE STA 137+52 EB82

+33EB82,24.0'RT
+87EB82,54.3'RT
+72EB82,17.3'RT
140EB82
TP-4W
25'
HO
OH
TP-4W
+45EB82,14.0'RT
TP-8W
STH 82 WB
STH 82 EB
+16EB82,10.3'RT
+54EB82,22.0'RT
+58EB82,46.0'RT
+41EB82,39.1'RT
TP-4W
TP-4Y
TP-4W
TP-4Y
XXXXX
MATCHLINE STA 144+81 EB82

R9-9
24"X12"
SIDEWALK CLOSED
MCEVOY ST
EXISTING R/W (TYP)

TEMPORARY PEDESTRIAN BARRICADE
EXISTING DETECTABLE WARNING FIELD
EXISTING DETECTABLE WARNING FIELD
UTILIZE TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELDS INSTALLED IN PREVIOUS STAGES

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (STH 82)	SHEET 284	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2E.DWG
LAYOUT NAME - 19
PLOT DATE : 10/20/2021 8:05 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

SEE STAGE 2C IH 90 TRAFFIC CONTROL SHEETS FOR STAGE 2E IH 90 CONFIGURATION

MINOR MODIFICATIONS TO RAMP XOVER

N

ROAD CLOSED

TYPE III BARRICADE

EXISTING R/W (TYP)

TP-4W

TP-4Y

TP-18W

TP-4W

TP-4Y

TP-4W

TP-4W

TP-4Y

TP-4W

TP-4Y

TP-18W

TP-4Y

TP-4W

TP-4Y

TP-4W

TP-4W

TP-4Y

TP-18W

R9-9
24"X12"

SIDEWALK CLOSED

SPEED LIMIT 35
R2-1
24"X30"

STH 82 WB

STH 82 EB

+60EB82,22.0'RT

+14EB82,28.4'RT

+67EB82,-2.1'LT

+26EB82,23.9'RT

+85EB82,0.5'RT

145EB82

150EB82

25'

25'

25'

25'

MATCHLINE STA 144+81 EB82

MATCHLINE STA 152+13 EB82

TEMPORARY PEDESTRIAN BARRICADE

UTILIZE TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELDS INSTALLED IN PREVIOUS STAGES

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 EB BRIDGE CONSTRUCTION TAKES PLACE

985T

984EB

SIGN

RIPP

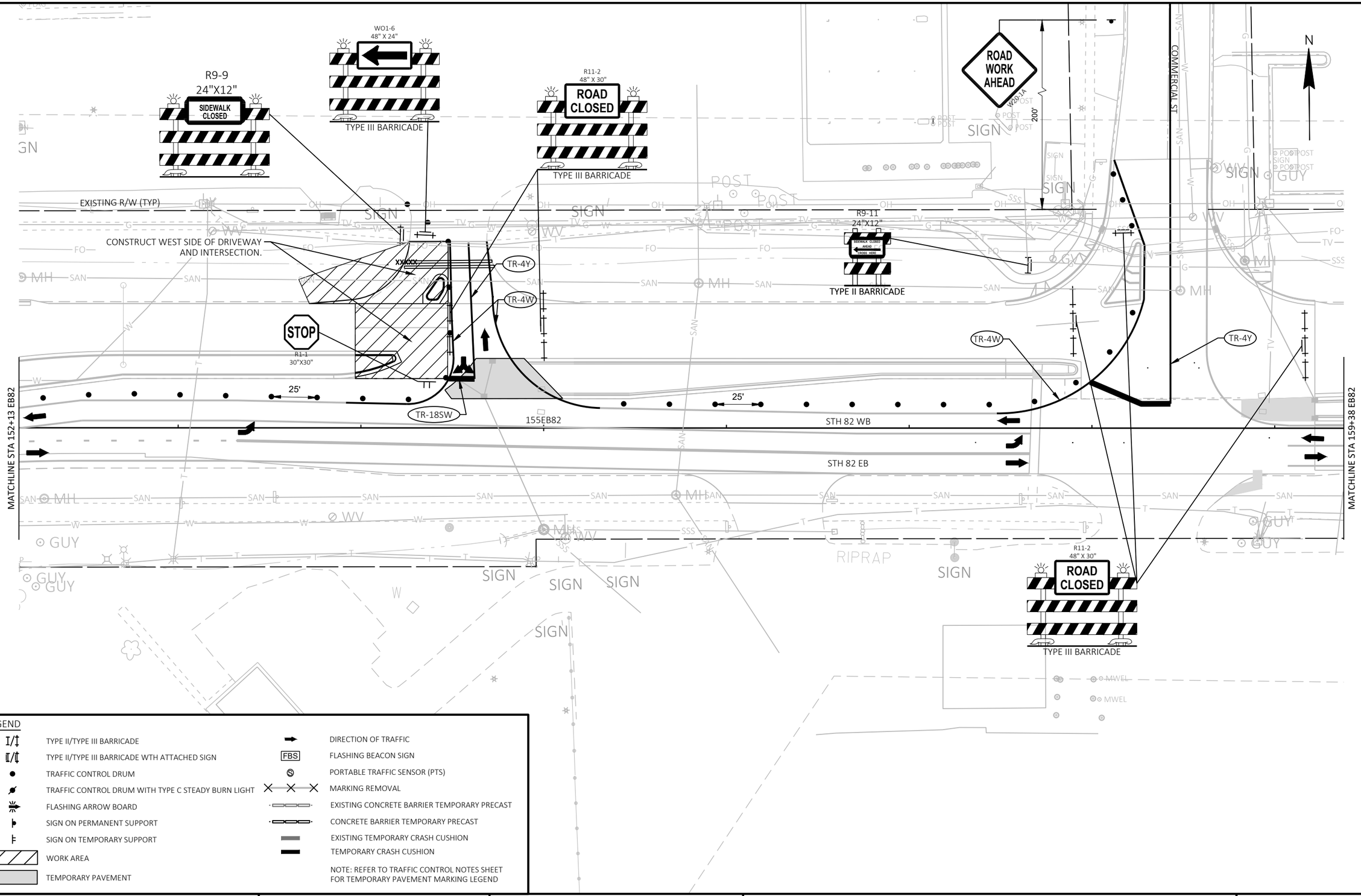
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (STH 82)	SHEET 285	E

2



LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (STH 82)	SHEET 286	E

2

N

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

EXISTING R/W (TYP)

160EB82

165EB82

STH 82 WB

STH 82 EB

MATCHLINE STA 159+38 EB82

MATCHLINE STA 166+63 EB82

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (STH 82)	SHEET 287	E

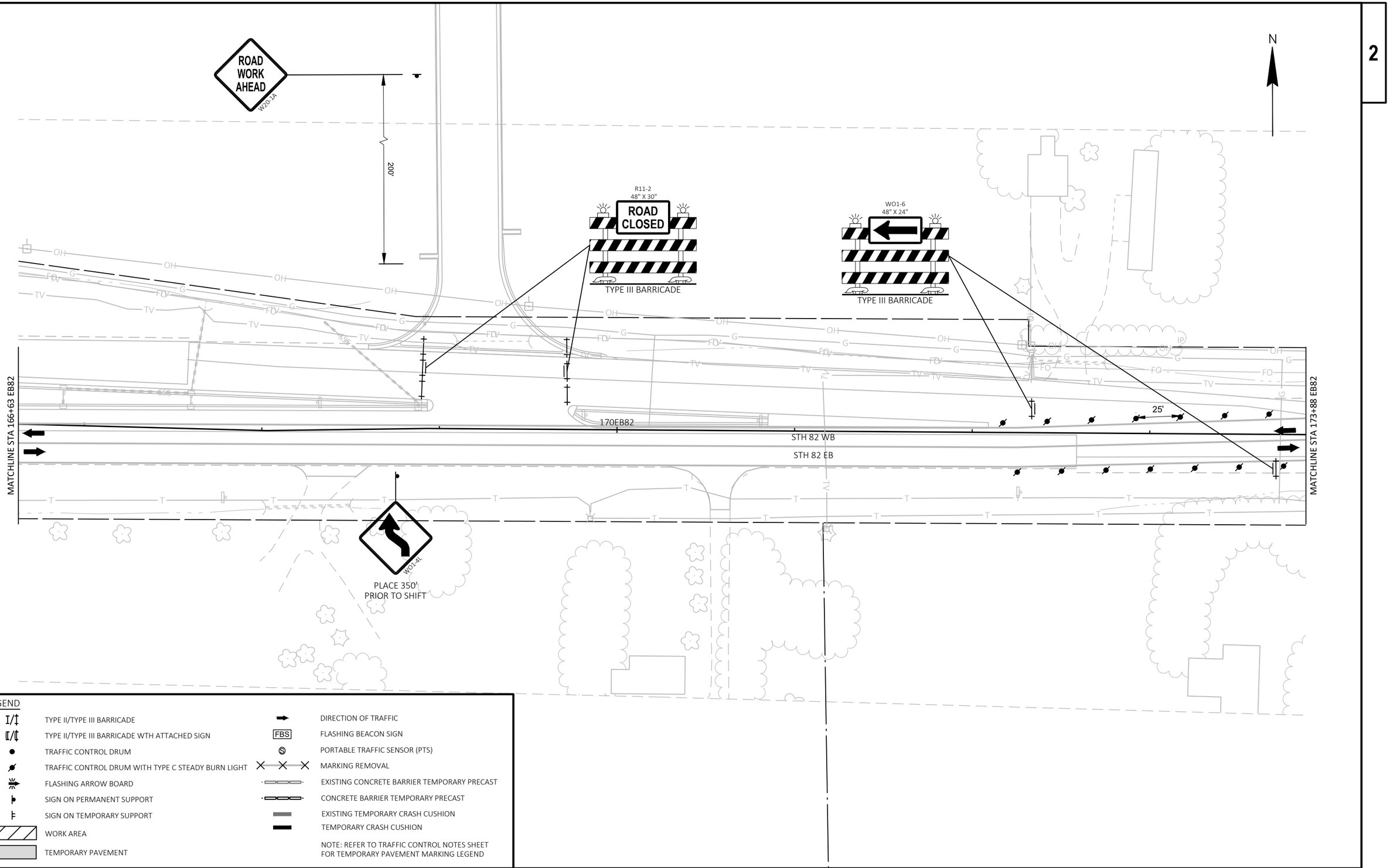
FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2E.DWG
LAYOUT NAME - 22

PLOT DATE : 10/20/2021 8:05 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

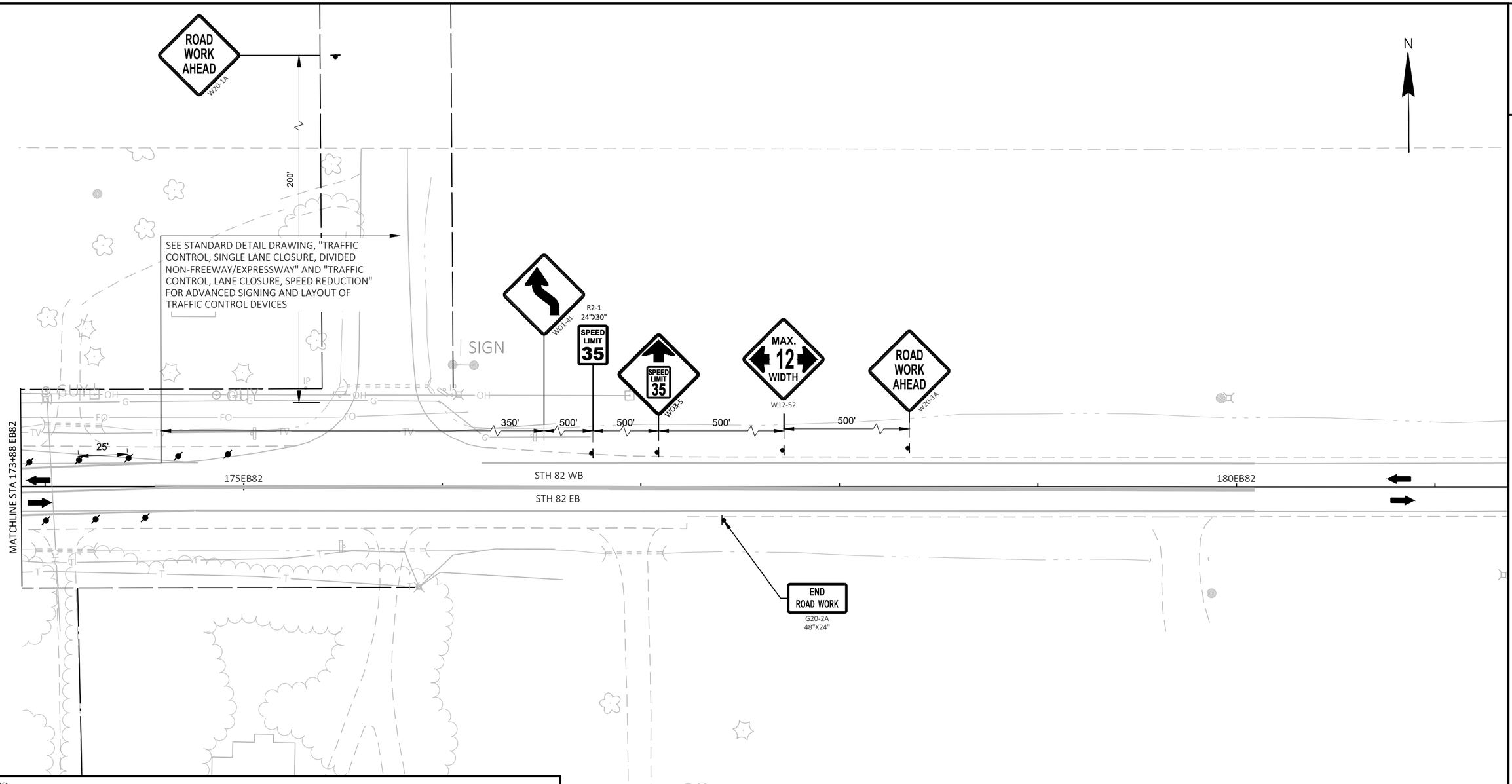


LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (STH 82)	SHEET 288	E

2



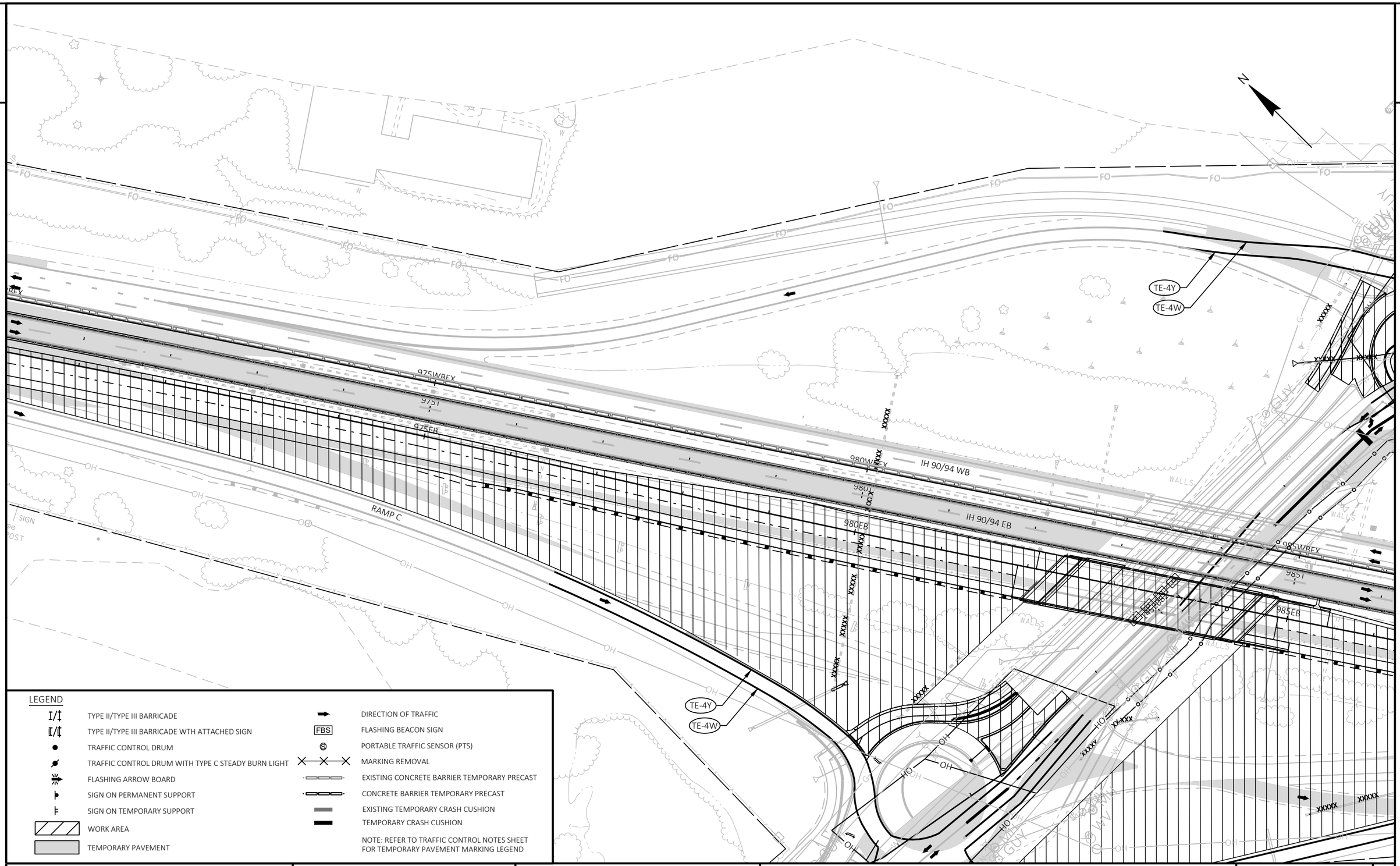
LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	S	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (STH 82)	SHEET 289	E

2

2



LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

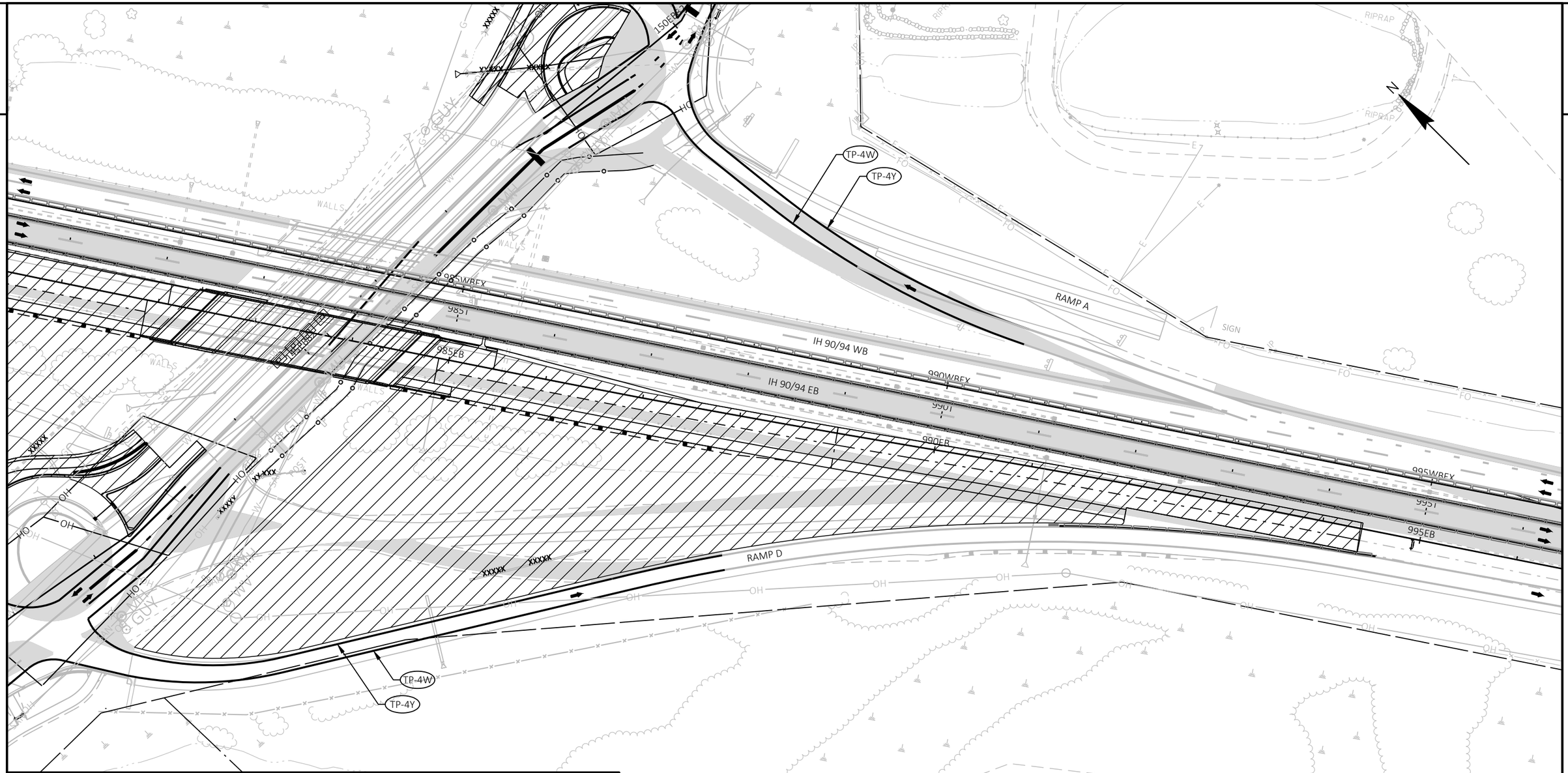
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (RAMP B & C)	SHEET 290	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2E.DWG
LAYOUT NAME - 25

PLOT DATE : 10/20/2021 8:06 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

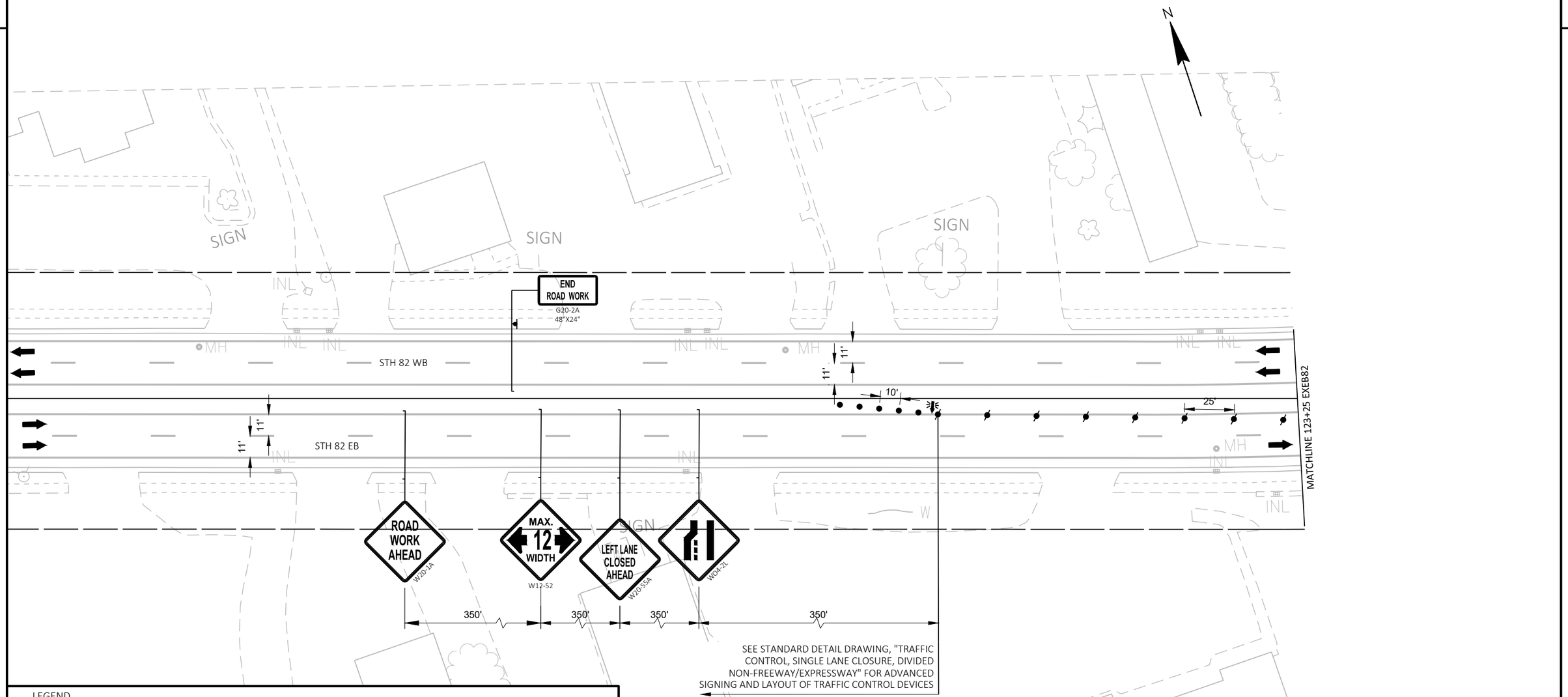
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2E (RAMP A & D)	SHEET 291	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2E.DWG
LAYOUT NAME - 26
PLOT DATE : 10/20/2021 8:06 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

LEGEND

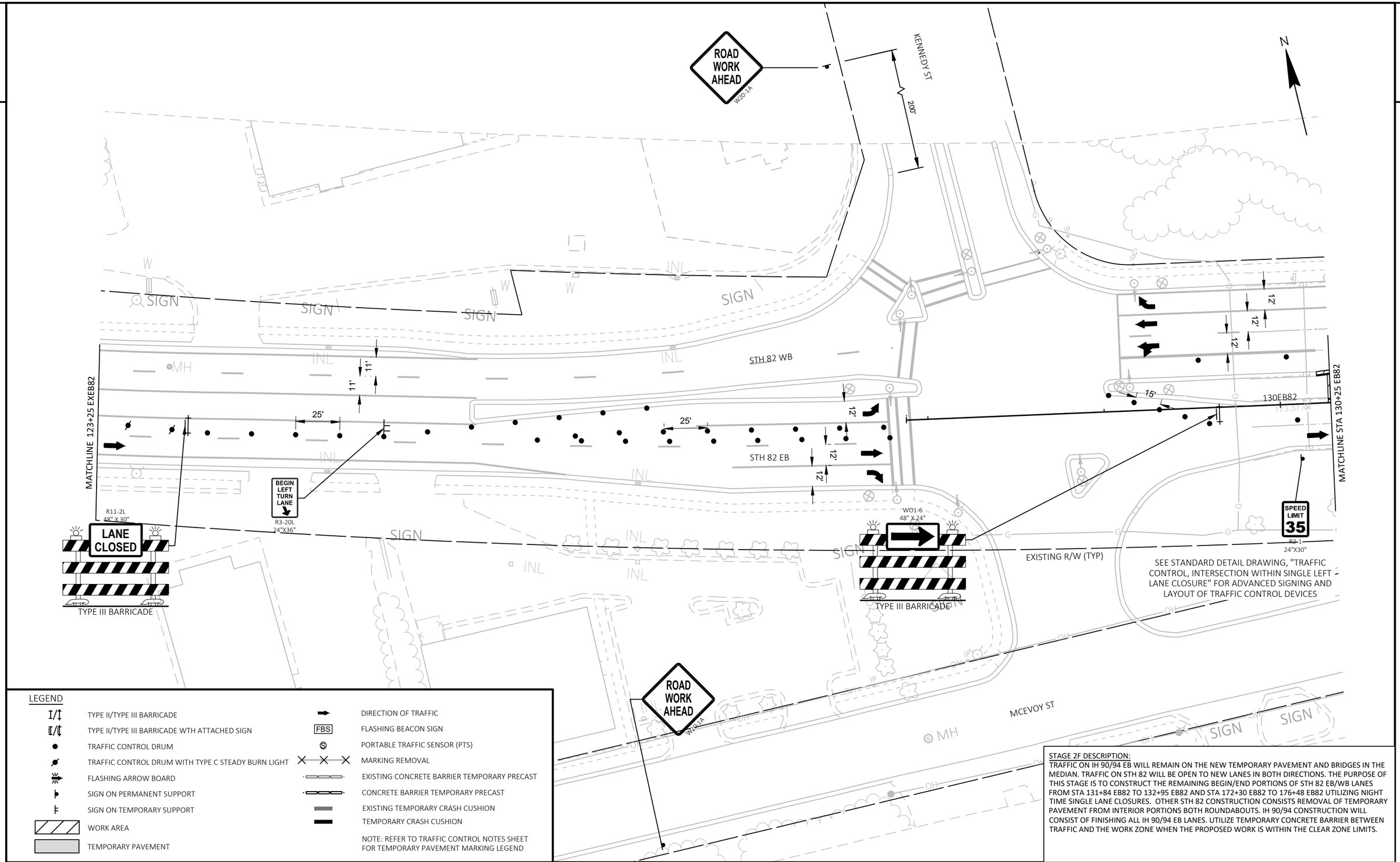
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

STAGE 2F DESCRIPTION:
TRAFFIC ON IH 90/94 EB WILL REMAIN ON THE NEW TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN. TRAFFIC ON STH 82 WILL BE OPEN TO NEW LANES IN BOTH DIRECTIONS. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE REMAINING BEGIN/END PORTIONS OF STH 82 EB/WB LANES FROM STA 131+84 EB82 TO 132+95 EB82 AND STA 172+30 EB82 TO 176+48 EB82 UTILIZING NIGHT TIME SINGLE LANE CLOSURES. OTHER STH 82 CONSTRUCTION CONSISTS REMOVAL OF TEMPORARY PAVEMENT FROM INTERIOR PORTIONS BOTH ROUNDABOUTS. IH 90/94 CONSTRUCTION WILL CONSIST OF FINISHING ALL IH 90/94 EB LANES. UTILIZE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND THE WORK ZONE WHEN THE PROPOSED WORK IS WITHIN THE CLEAR ZONE LIMITS.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (STH 82)	SHEET 292	E

2



LEGEND

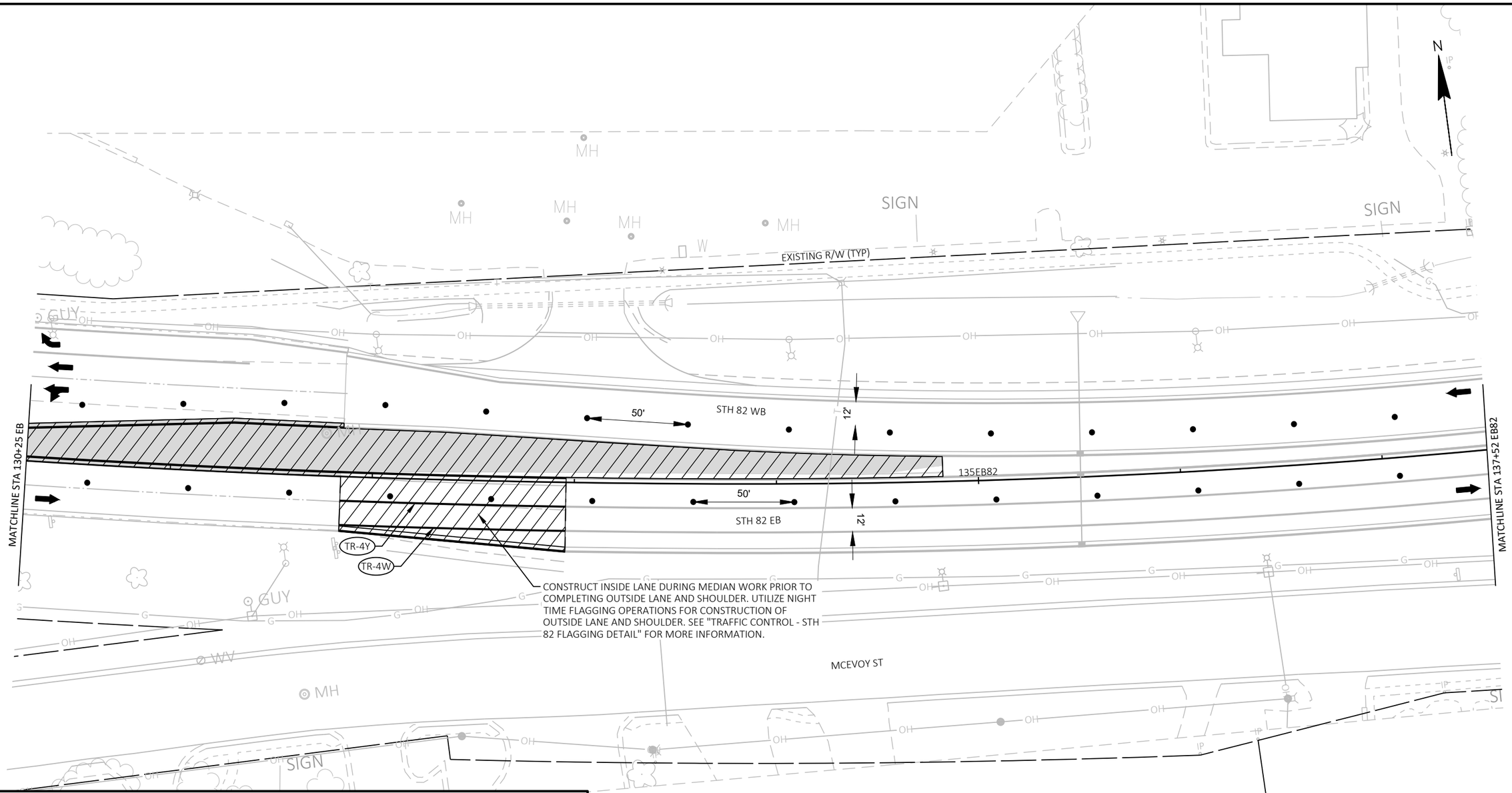
TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

STAGE 2F DESCRIPTION:

TRAFFIC ON IH 90/94 EB WILL REMAIN ON THE NEW TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN. TRAFFIC ON STH 82 WILL BE OPEN TO NEW LANES IN BOTH DIRECTIONS. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE REMAINING BEGIN/END PORTIONS OF STH 82 EB/WB LANES FROM STA 131+84 EB82 TO 132+95 EB82 AND STA 172+30 EB82 TO 176+48 EB82 UTILIZING NIGHT TIME SINGLE LANE CLOSURES. OTHER STH 82 CONSTRUCTION CONSISTS REMOVAL OF TEMPORARY PAVEMENT FROM INTERIOR PORTIONS BOTH ROUNDABOUTS. IH 90/94 CONSTRUCTION WILL CONSIST OF FINISHING ALL IH 90/94 EB LANES. UTILIZE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND THE WORK ZONE WHEN THE PROPOSED WORK IS WITHIN THE CLEAR ZONE LIMITS.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (STH 82)	SHEET 293	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

SEE PERMANENT SIGNING SHEETS FOR PERMANENT SIGN LOCATIONS TO BE INSTALLED PRIOR TO BEGINNING ROUNDABOUT OPERATIONS IN THIS STAGE.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (STH 82)	SHEET 294	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2F.DWG
LAYOUT NAME - 18
PLOT DATE : 10/21/2021 5:02 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER

R9-9
24"X12"
SIDEWALK CLOSED

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

SEE S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" AND "TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT" FOR ADDITIONAL TRAFFIC CONTROL REQ'D

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 EB BRIDGE CONSTRUCTION TAKES PLACE

N

STH 82 WB

STH 82 EB

50'

140EB82

25'

TR-4W

TP-4W

MATCHLINE STA 137+52 EB82

MATCHLINE STA 144+81 EB82

MCEVOY ST

EXISTING R/W (TYP.)

R9-9
24"X12"
SIDEWALK CLOSED

CENTER ROUNDABOUT SECTION TO BE BUILT BEFORE CONSTRUCTION OF PORKCHOP ISLAND AND REMOVAL OF SPLITTER ISLAND TEMPORARY PAVEMENT. OFF-PEAK NIGHT TIME FLAGGING OPERATIONS REQ'D FOR ROUNDABOUT CURB AND GUTTER CONSTRUCTION. SEE "TRAFFIC CONTROL - STH 82 FLAGGING DETAIL" FOR MORE INFORMATION.

UTILIZE TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELDS INSTALLED IN PREVIOUS STAGES

TEMPORARY PEDESTRIAN BARRICADE

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

SEE PERMANENT SIGNING SHEETS FOR PERMANENT SIGN LOCATIONS TO BE INSTALLED PRIOR TO BEGINNING ROUNDABOUT OPERATIONS IN THIS STAGE.

PAVEMENT MARKINGS WITHOUT PAVEMENT MARKING CALLOUT INDICATE PERMANENT MARKING LOCATION. SEE PAVEMENT MARKING SHEETS FOR PERMANENT MARKING LOCATIONS

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (STH 82)	SHEET 295	E

2

2

SEE STAGE 2C IH 90 TRAFFIC CONTROL SHEETS FOR STAGE 2F IH 90 CONFIGURATION

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 EB BRIDGE CONSTRUCTION TAKES PLACE

N

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
TIC	TEMPORARY INLET COVER
XXXXX	REMOVING STORM SEWER

MATCHLINE STA 144+81 EB82

MATCHLINE STA 152+13 EB82

STH 82 WB

STH 82 EB

50'

14SEB82

15OEB82

985T

985EB

2.4'

TP-4W

SPEED LIMIT 35

TEMPORARY PEDESTRIAN BARRICADE

UTILIZE TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELDS INSTALLED IN PREVIOUS STAGES

UTILIZE TEMPORARY CURB RAMP AND TEMPORARY DETECTABLE WARNING FIELDS INSTALLED IN PREVIOUS STAGES

TEMPORARY 6" DEPTH BASE AGGREGATE DENSE 1 1/4 -INCH REQ'D IN TERRACE TO ACCOMMODATE OSOW TRUCK TURNING MOVEMENTS

OFF-PEAK NIGHT TIME FLAGGING OPERATIONS REQ'D FOR ROUNDABOUT CURB AND GUTTER CONSTRUCTION. SEE "TRAFFIC CONTROL - STH 82 FLAGGING DETAIL" FOR MORE INFORMATION.

SEE PERMANENT SIGNING SHEETS FOR PERMANENT SIGN LOCATIONS TO BE INSTALLED PRIOR TO BEGINNING ROUNDABOUT OPERATIONS IN THIS STAGE.

PAVEMENT MARKINGS WITHOUT PAVEMENT MARKING CALLOUT INDICATE PERMANENT MARKING LOCATION. SEE PAVEMENT MARKING SHEETS FOR PERMANENT MARKING LOCATIONS

SIGN

RIPF

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (STH 82)	SHEET 296	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2F.DWG
LAYOUT NAME - 20
PLOT DATE : 10/21/2021 5:02 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W (TYP)

STH 82 WB

STH 82 EB

155EB82

MATCHLINE STA 152+13 EB82

MATCHLINE STA 159+38 EB82

COMMERCIAL ST

EXCESS PAVED SHOULDER WIDTH TO BE REMOVED AND REGRADED WITH BASE AGGREGATE DENSE

SEE PERMANENT SIGNING SHEETS FOR PERMANENT SIGN LOCATIONS TO BE INSTALLED PRIOR TO BEGINNING ROUNDABOUT OPERATIONS IN THIS STAGE.

PAVEMENT MARKINGS WITHOUT PAVEMENT MARKING CALLOUT INDICATE PERMANENT MARKING LOCATION. SEE PAVEMENT MARKING SHEETS FOR PERMANENT MARKING LOCATIONS

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (STH 82)	SHEET 297	E

2

N

EXISTING R/W (TYP)

STH 82 WB

STH 82 EB

160EB82

165EB82

25'

MATCHLINE STA 159+38 EB82

MATCHLINE STA 166+63 EB82

EXCESS PAVED SHOULDER WIDTH TO BE REMOVED AND REGRADED WITH BASE AGGREGATE DENSE

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

SEE PERMANENT SIGNING SHEETS FOR PERMANENT SIGN LOCATIONS TO BE INSTALLED PRIOR TO BEGINNING ROUNDABOUT OPERATIONS IN THIS STAGE.

PAVEMENT MARKINGS WITHOUT PAVEMENT MARKING CALLOUT INDICATE PERMANENT MARKING LOCATION. SEE PAVEMENT MARKING SHEETS FOR PERMANENT MARKING LOCATIONS

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (STH 82)	SHEET 298	E

2

2

N

MATCHLINE STA 166+63 EB82

MATCHLINE STA 173+88 EB82

STH 82 WB

170EB82

25'

STH 82 EB

XXXX XXXX XXXX XXXX XXXX

EXCESS PAVED SHOULDER WIDTH TO BE REMOVED AND REGRADED WITH BASE AGGREGATE DENSE

SEE S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR ADDITIONAL TRAFFIC CONTROL REQ'D

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

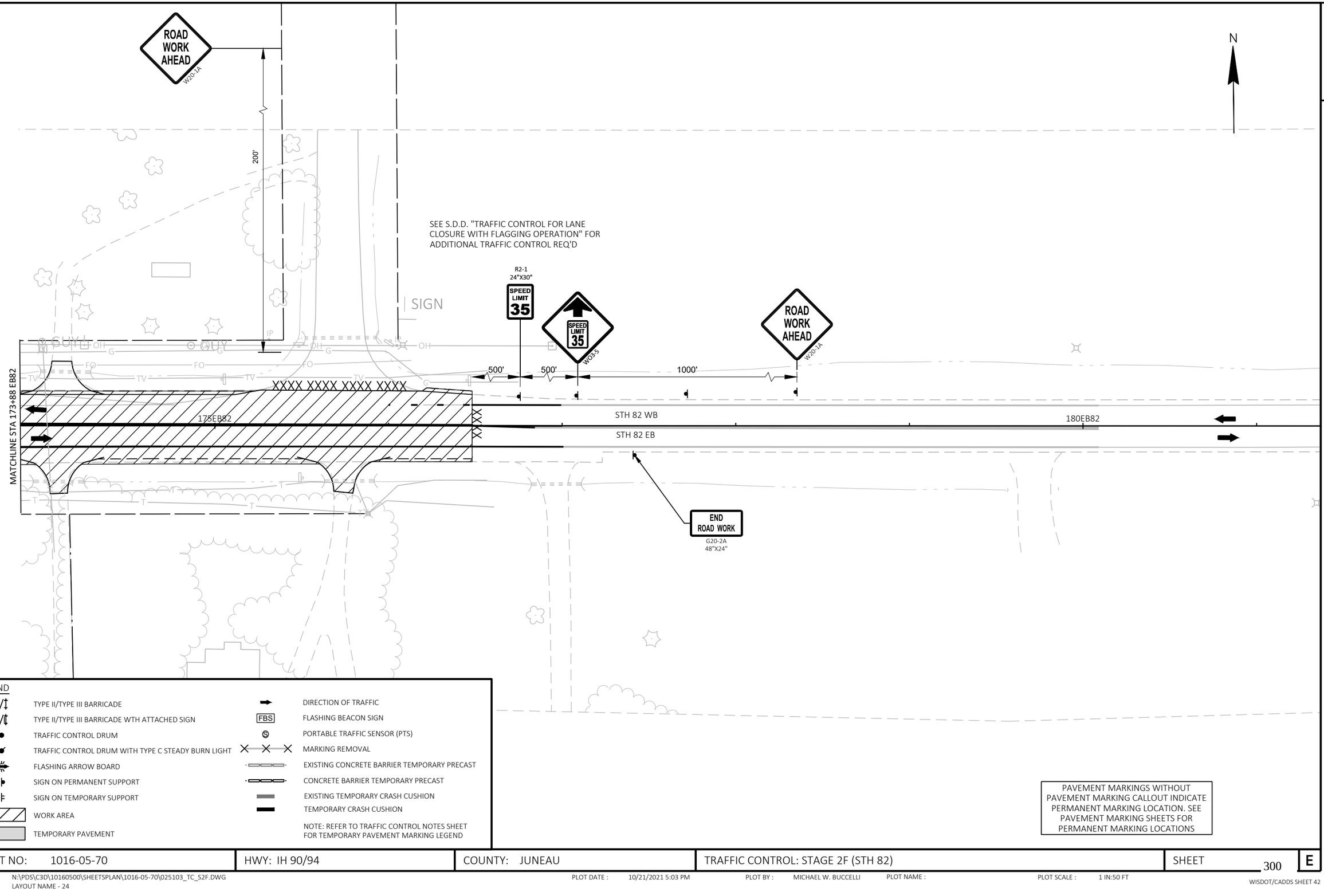
SEE PERMANENT SIGNING SHEETS FOR PERMANENT SIGN LOCATIONS TO BE INSTALLED PRIOR TO BEGINNING ROUNDABOUT OPERATIONS IN THIS STAGE.

PAVEMENT MARKINGS WITHOUT PAVEMENT MARKING CALLOUT INDICATE PERMANENT MARKING LOCATION. SEE PAVEMENT MARKING SHEETS FOR PERMANENT MARKING LOCATIONS

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (STH 82)	SHEET 299	E

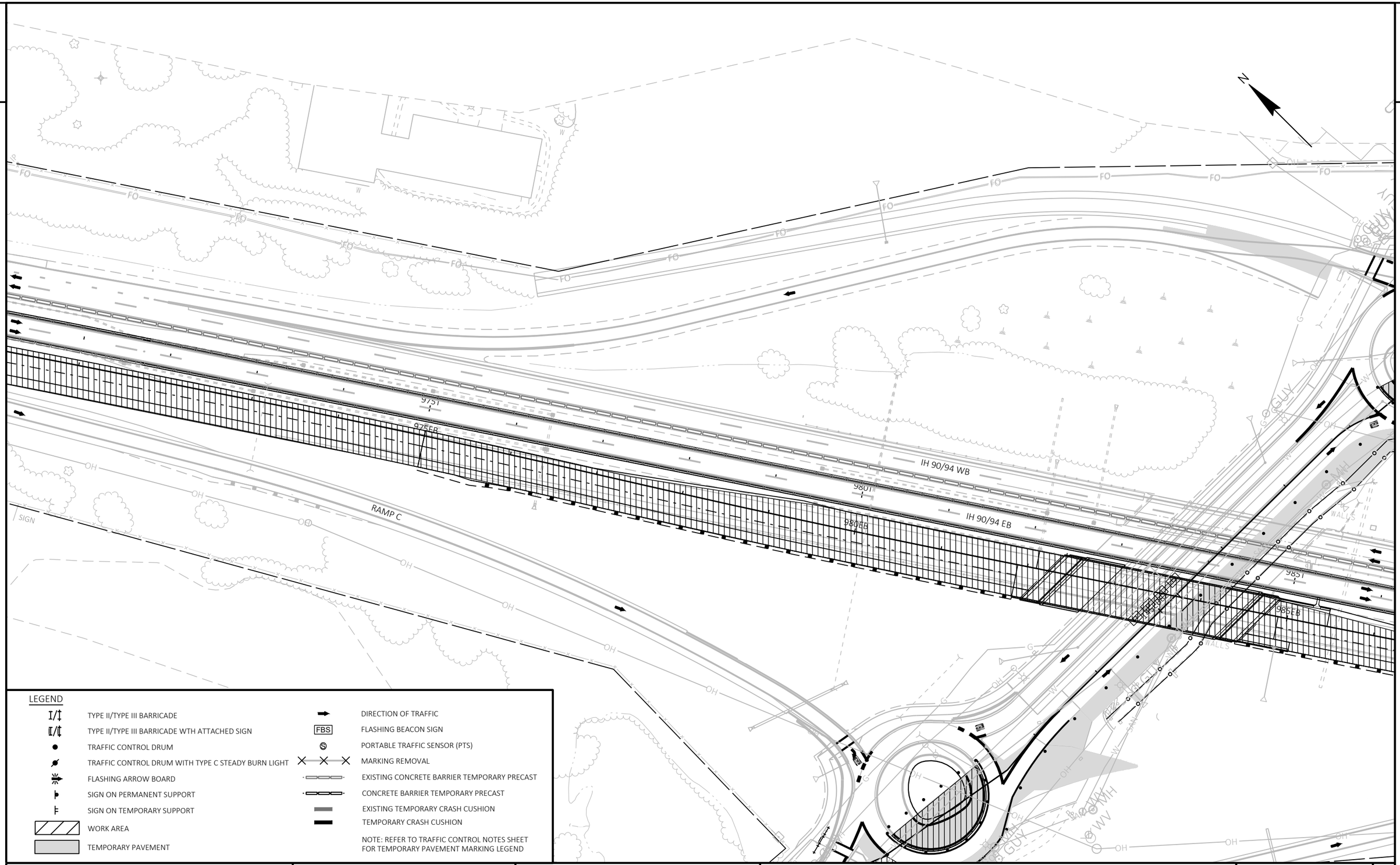
FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2F.DWG
LAYOUT NAME - 23
PLOT DATE : 10/21/2021 5:03 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (STH 82)	SHEET 300	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

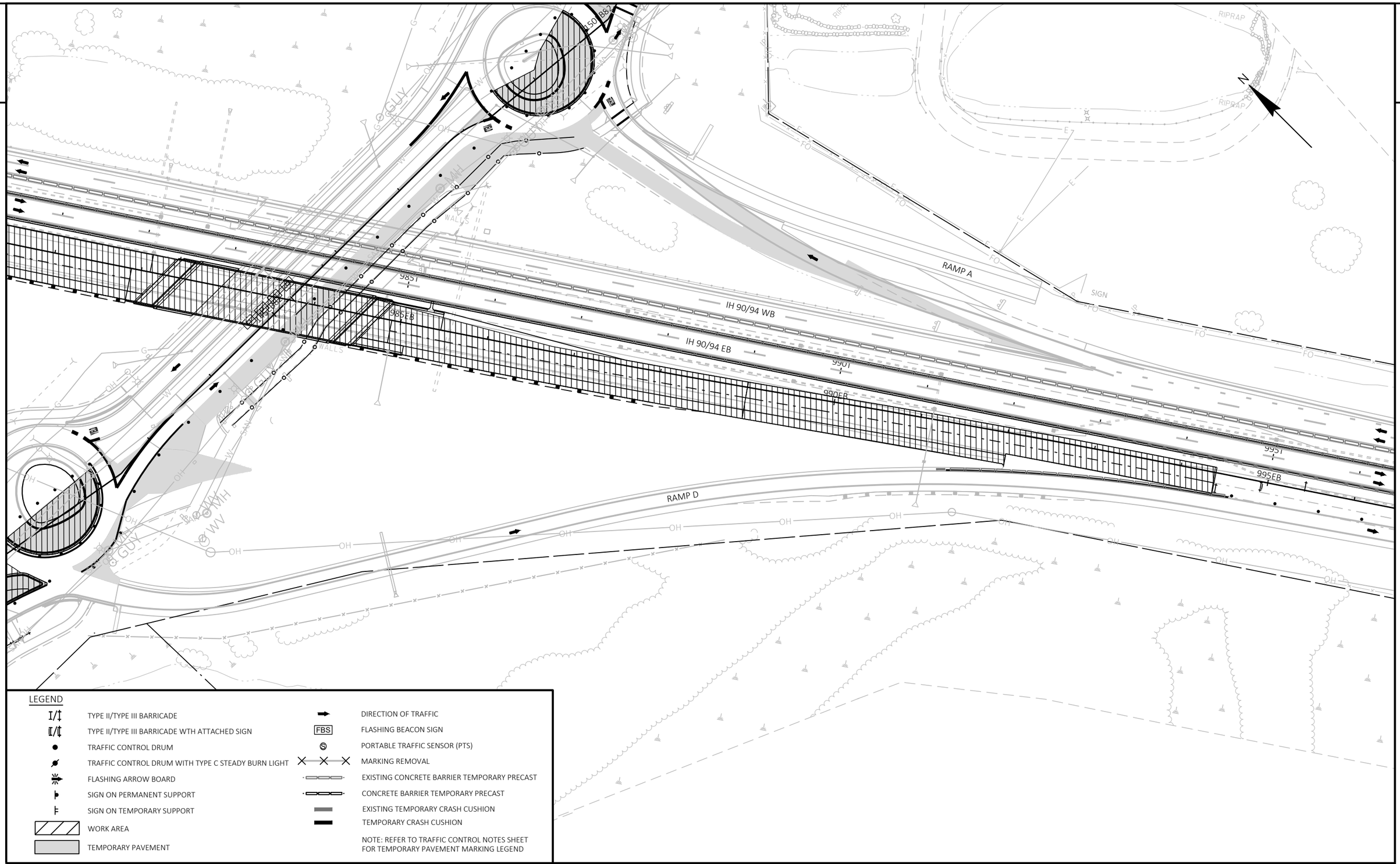
NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (RAMP B & C)	SHEET 301	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2F.DWG
LAYOUT NAME - 25

PLOT DATE : 10/21/2021 5:03 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

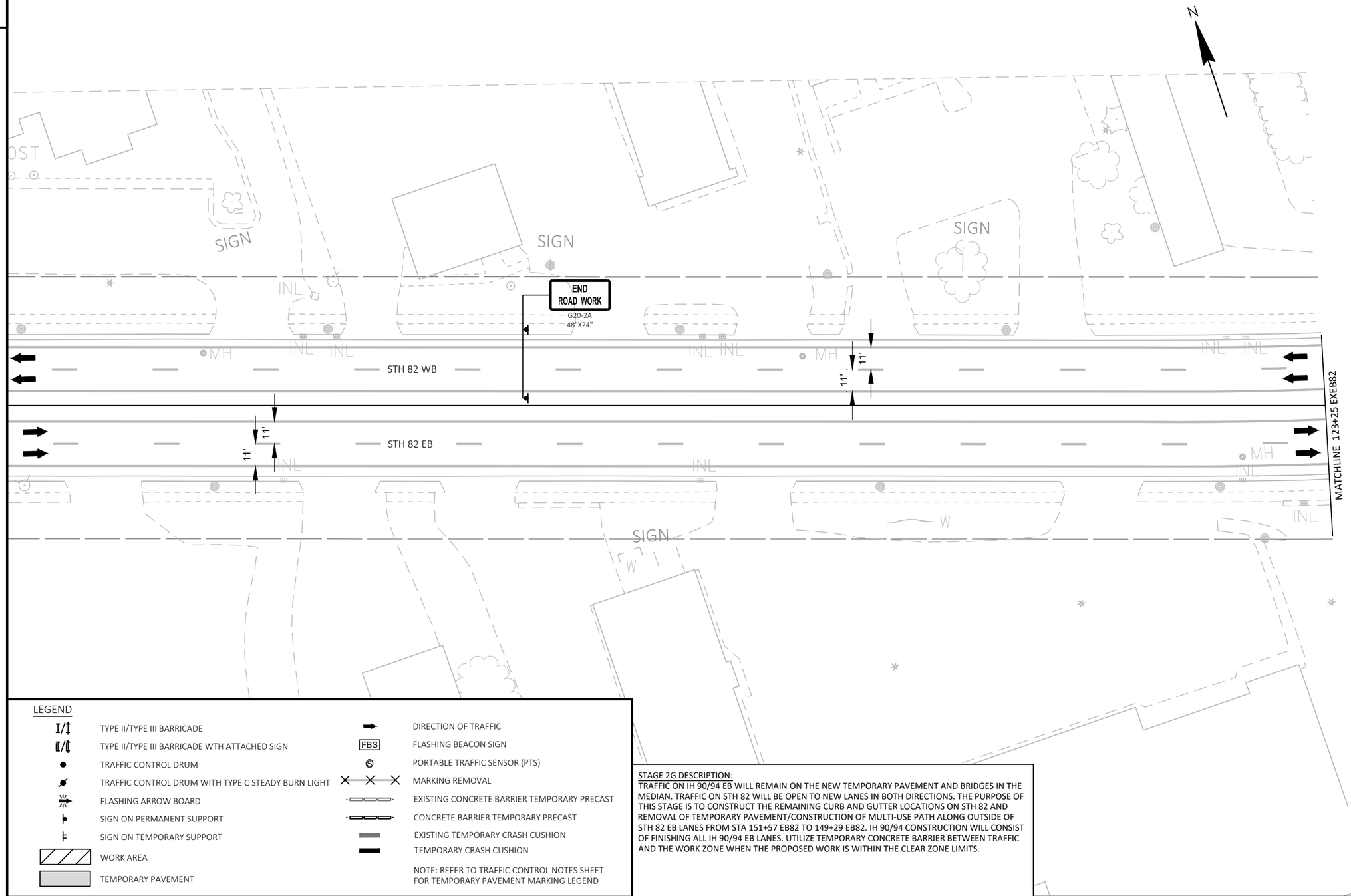
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2F (RAMP A & D)	SHEET 302	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2F.DWG
LAYOUT NAME - 26
PLOT DATE : 10/21/2021 5:03 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

STAGE 2G DESCRIPTION:

TRAFFIC ON IH 90/94 EB WILL REMAIN ON THE NEW TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN. TRAFFIC ON STH 82 WILL BE OPEN TO NEW LANES IN BOTH DIRECTIONS. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE REMAINING CURB AND GUTTER LOCATIONS ON STH 82 AND REMOVAL OF TEMPORARY PAVEMENT/CONSTRUCTION OF MULTI-USE PATH ALONG OUTSIDE OF STH 82 EB LANES FROM STA 151+57 EB82 TO 149+29 EB82. IH 90/94 CONSTRUCTION WILL CONSIST OF FINISHING ALL IH 90/94 EB LANES. UTILIZE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND THE WORK ZONE WHEN THE PROPOSED WORK IS WITHIN THE CLEAR ZONE LIMITS.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (STH 82)	SHEET 303	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2G.DWG
LAYOUT NAME - 17.1
PLOT DATE : 10/26/2021 10:05 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

ROAD WORK AHEAD
W20-1A

KENNEDY ST

200'

N

SIGN

W

INL

MH

STH 82 WB

11'

12'

130EB82

MATCHLINE 123+25 EXEB82

MATCHLINE STA 130+25 EB82

STH 82 EB

350'

ROAD WORK AHEAD
W20-1A

MAX. 12 WIDTH
W12-52

SPEED LIMIT 35
R2-1
24"X30"

EXISTING R/W (TYP)

POST

OH

IP

MCEVOY ST

ROAD WORK AHEAD
W20-1A

R9-11
24"X12"
SIDEWALK CLOSED AHEAD
CROSS HERE

TYPE II BARRICADE

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (STH 82)	SHEET 304	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2G.DWG
LAYOUT NAME - 17.2
PLOT DATE : 10/26/2021 10:06 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

MH

POST

POST

MH

MH

MH

POST

W

MH

SIGN

SIGN

EXISTING R/W (TYP)

GUY

OH

STH 82 WB

MH

MATCHLINE STA 130+25 EB82

135EB82

STH 82 EB

MATCHLINE STA 137+52 EB82

GUY

WV

WV

MCEVOY ST

MH

SIGN

ST

LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

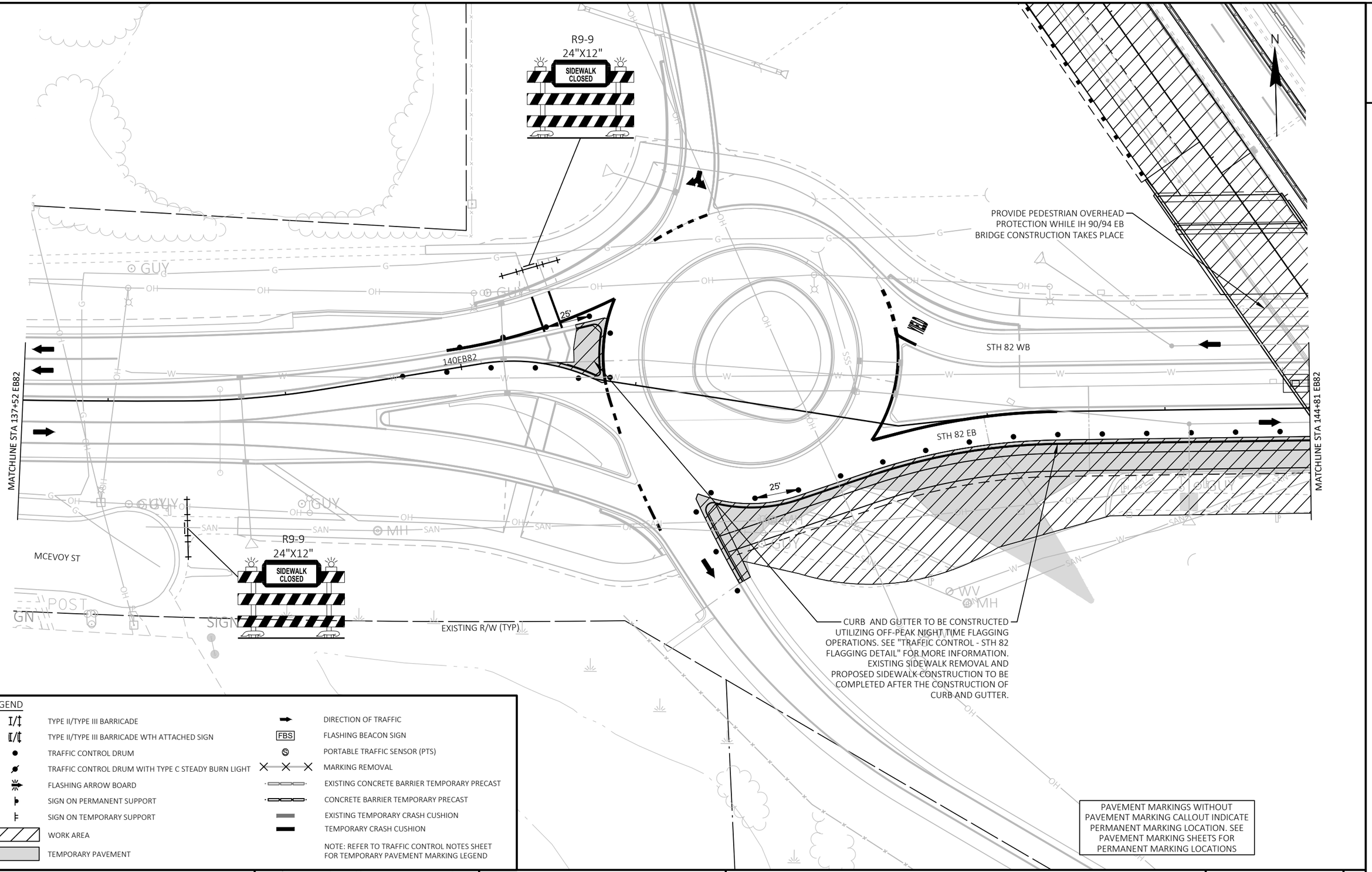
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (STH 82)	SHEET 305	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2G.DWG
LAYOUT NAME - 18

PLOT DATE : 10/26/2021 10:06 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (STH 82)	SHEET 306	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2G.DWG
LAYOUT NAME - 19
PLOT DATE : 10/26/2021 10:06 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

SEE STAGE 2C IH 90 TRAFFIC CONTROL SHEETS FOR STAGE 2G IH 90 CONFIGURATION

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 EB BRIDGE CONSTRUCTION TAKES PLACE

R9-9
24"X12"
SIDEWALK CLOSED

EXISTING-R/W(TYP)

TEMPORARY PAVEMENT REMOVAL AND CURB AND GUTTER TO BE CONSTRUCTED WHILE UTILIZING A CLOSURE OF THE EASTBOUND RIGHT TURN LANE. CONSTRUCT AFTER THE COMPLETION OF THE MEDIAN SPLITTER ISLAND.

STH 82 WB

STH 82 EB

MATCHLINE STA 144+81 EB82

MATCHLINE STA 152+13 EB82

CURB AND GUTTER TO BE CONSTRUCTED UTILIZING OFF-PEAK NIGHT TIME FLAGGING OPERATIONS. SEE "TRAFFIC CONTROL - STH 82 FLAGGING DETAIL" FOR MORE INFORMATION. EXISTING SIDEWALK REMOVAL AND PROPOSED SIDEWALK CONSTRUCTION TO BE COMPLETED AFTER THE CONSTRUCTION OF CURB AND GUTTER.

SPEED LIMIT 35
R2-1
24"X30"

TEMPORARY PAVEMENT REMOVAL AND CURB AND GUTTER TO BE CONSTRUCTED UTILIZING OFF-PEAK NIGHT TIME FLAGGING OPERATIONS. CLOSE EASTBOUND THROUGH LANE AND UTILIZE EASTBOUND RIGHT TURN LANE DURING FLAGGING OPERATIONS FOR ROUNDABOUT THROUGH TRAFFIC. SEE "TRAFFIC CONTROL - STH 82 FLAGGING DETAIL" FOR MORE INFORMATION.

PAVEMENT MARKINGS WITHOUT PAVEMENT MARKING CALLOUT INDICATE PERMANENT MARKING LOCATION. SEE PAVEMENT MARKING SHEETS FOR PERMANENT MARKING LOCATIONS

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (STH 82)	SHEET 307 E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2G.DWG
LAYOUT NAME - 20

PLOT DATE : 10/26/2021 10:06 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT REMOVAL AND CURB AND GUTTER TO BE CONSTRUCTED UTILIZING OFF-PEAK NIGHT TIME INSIDE LANE CLOSURES.

EXISTING R/W (TYP)

STH 82 WB

STH 82 EB

155EB82

COMMERCIAL ST

MATCHLINE STA 152+13 EB82

MATCHLINE STA 159+38 EB82

R9-9
24"X12"
SIDEWALK CLOSED

R9-11
24"X12"
SIDEWALK CLOSED AHEAD
CROSS HERE

TYPE II BARRICADE

RIPRAP

PAVEMENT MARKINGS WITHOUT PAVEMENT MARKING CALLOUT INDICATE PERMANENT MARKING LOCATION. SEE PAVEMENT MARKING SHEETS FOR PERMANENT MARKING LOCATIONS

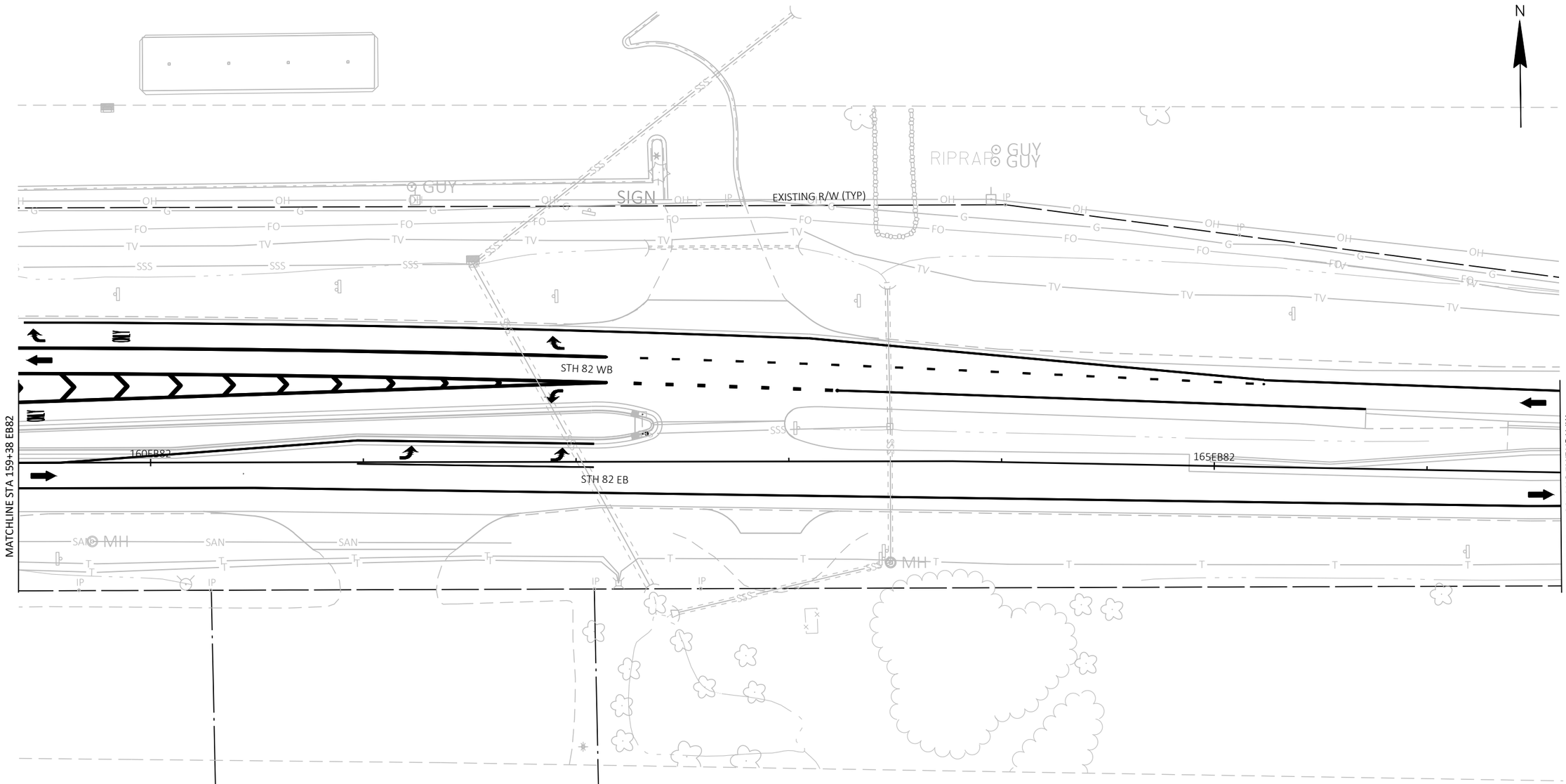
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (STH 82)	SHEET 308	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PAVEMENT MARKINGS WITHOUT PAVEMENT MARKING CALLOUT INDICATE PERMANENT MARKING LOCATION. SEE PAVEMENT MARKING SHEETS FOR PERMANENT MARKING LOCATIONS

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (STH 82)	SHEET 309	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2G.DWG
LAYOUT NAME - 22
PLOT DATE : 10/26/2021 10:06 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

STH 82 WB

170EB82

STH 82 EB

MATCHLINE STA 166+63 EB82

MATCHLINE STA 173+88 EB82

LEGEND

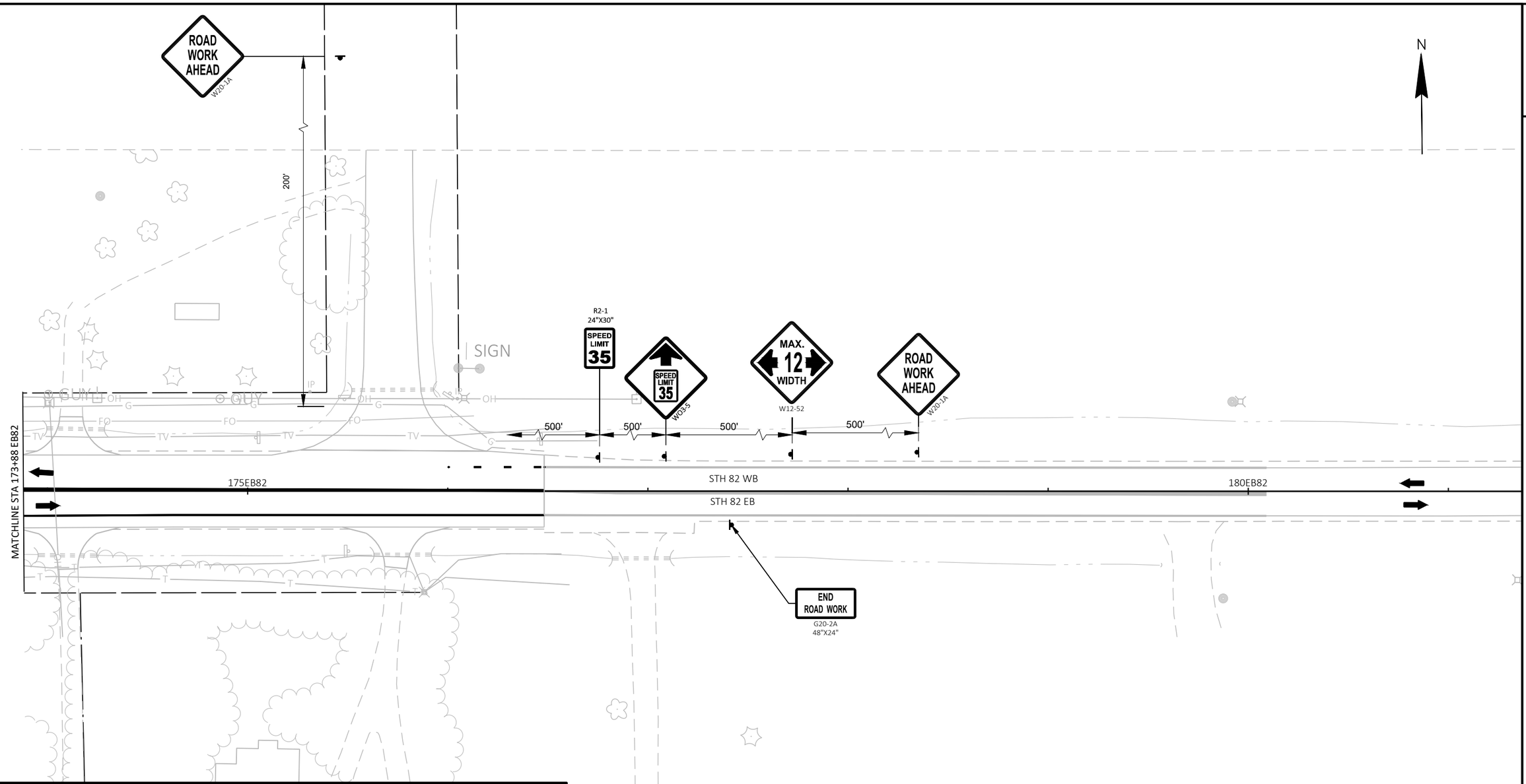
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PAVEMENT MARKINGS WITHOUT PAVEMENT MARKING CALLOUT INDICATE PERMANENT MARKING LOCATION. SEE PAVEMENT MARKING SHEETS FOR PERMANENT MARKING LOCATIONS

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (STH 82)	SHEET 310	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PAVEMENT MARKINGS WITHOUT PAVEMENT MARKING CALLOUT INDICATE PERMANENT MARKING LOCATION. SEE PAVEMENT MARKING SHEETS FOR PERMANENT MARKING LOCATIONS

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (STH 82)	SHEET 311	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2G.DWG
LAYOUT NAME - 24
PLOT DATE : 10/26/2021 10:07 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

IH 90/94 WB

IH 90/94 EB

RAMP C

975EB

980EB

985EB

SIGN

POST

LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

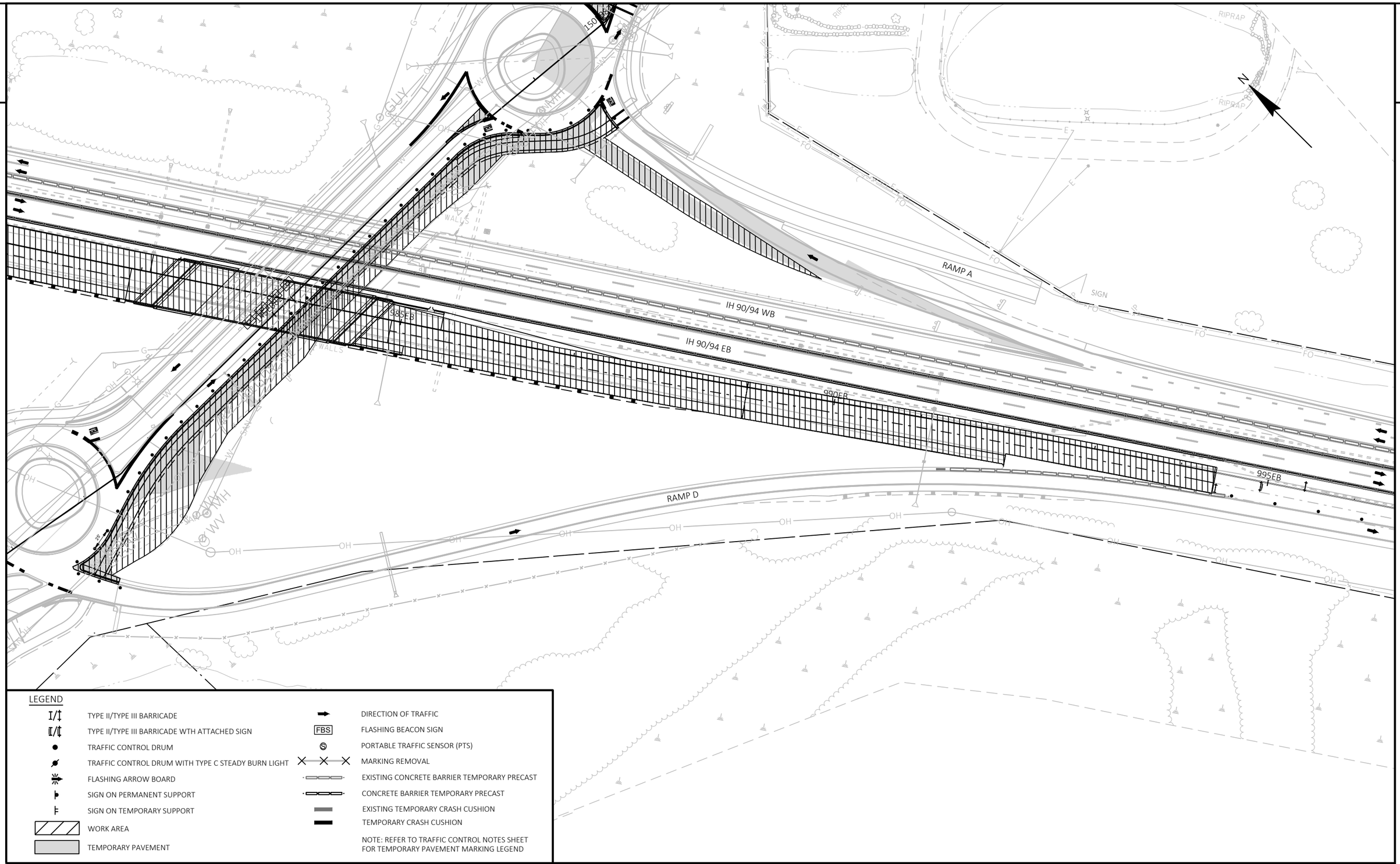
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (RAMP B & C)	SHEET 312	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2G.DWG
LAYOUT NAME - 25

PLOT DATE : 10/26/2021 10:07 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I‖/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 2G (RAMP A & D)	SHEET 313	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025103_TC_S2G.DWG
LAYOUT NAME - 26
PLOT DATE : 10/26/2021 10:07 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

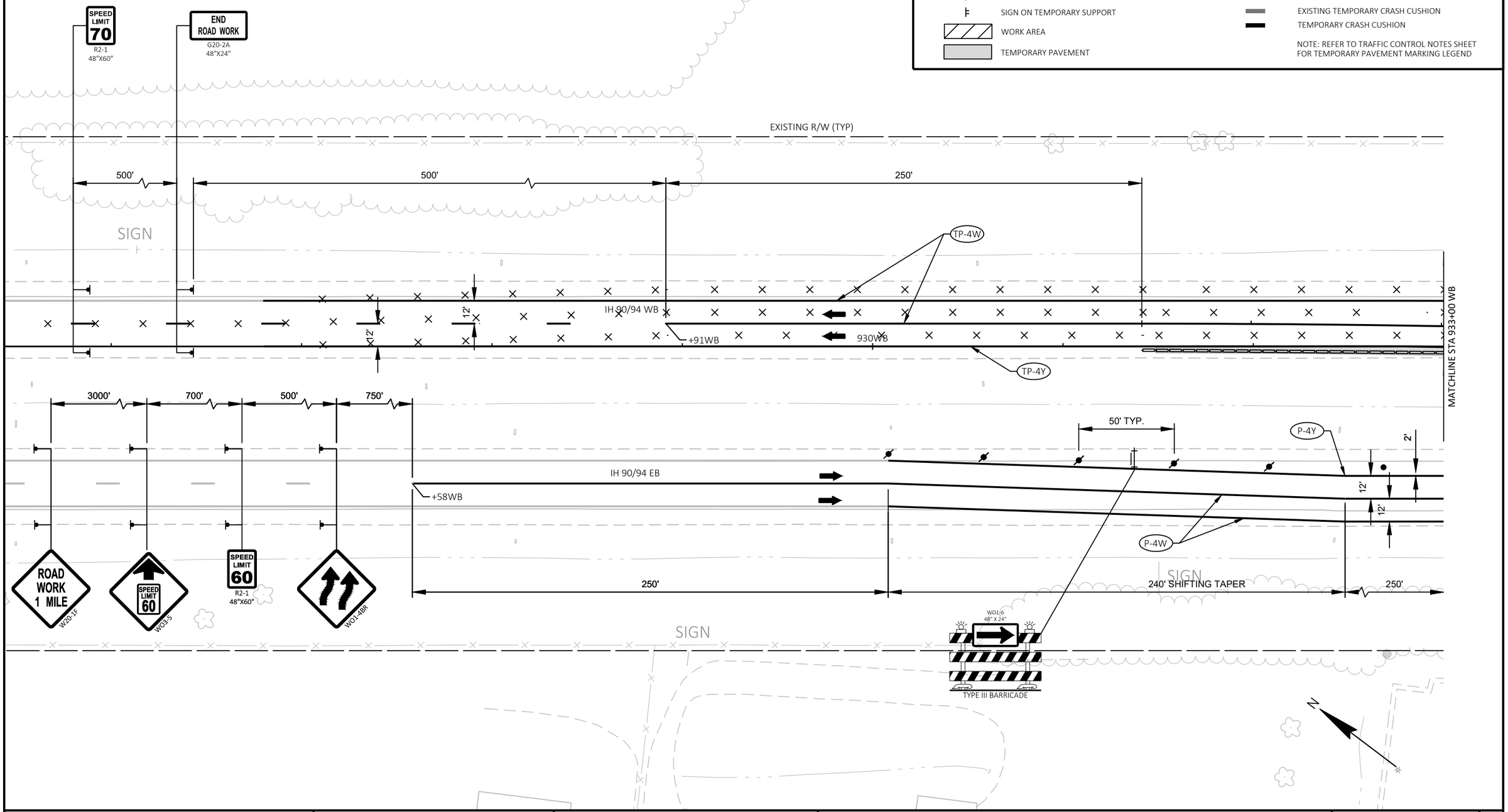
2

STAGE 3A DESCRIPTION:
TRAFFIC ON IH 90/94 WB WILL BE SHIFTED TO THE TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN WITH CONNECTIONS TO THE TEMPORARY IH-90/94 WB EXIT RAMP AND EXISTING IH 90/94 WB ENTRANCE RAMP AT THE STH 82 INTERCHANGE, WHILE TRAFFIC ON IH 90/94 EB WILL BE TRAVELING ON THE NEW PAVEMENT. TRAFFIC ON STH 82 WILL BE OPEN TO NEWLY CONSTRUCTED EB/WB LANES. THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE IH 90/94 WB BRIDGES OVER CTH G, STH 82 AND LEMONWEIR RIVER AND TO CONSTRUCT THE TEMPORARY ROADWAY TRANSITIONS ON IH 90/94 WB. UTILIZE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND THE WORK ZONE WHEN THE PROPOSED WORK IS WITHIN THE CLEAR ZONE LIMITS. PEDESTRIAN ACCESS WILL BE AVAILABLE ON THE NORTH AND SOUTH SIDES OF STH 82.

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 314	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025104_TC_S3A.DWG
LAYOUT NAME - 025100_tc
PLOT DATE : 10/28/2021 1:32 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

N

EXISTING R/W (TYP)

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

MATCHLINE STA 933+00 WB

935T1
933WB

IH 90/94 WB

TP-4W

TP-4Y

940WB

940T1

MATCHLINE STA 940+25 WB

2.4'
2'
11'
11'
2'

T1 R/L

100' TYP.

P-4Y

2'

IH 90/94 EB

12'
12'

P-4W-LL

P-4W

250'

W05-52L
18"X54"

SIGN

SIGN

MH

INL

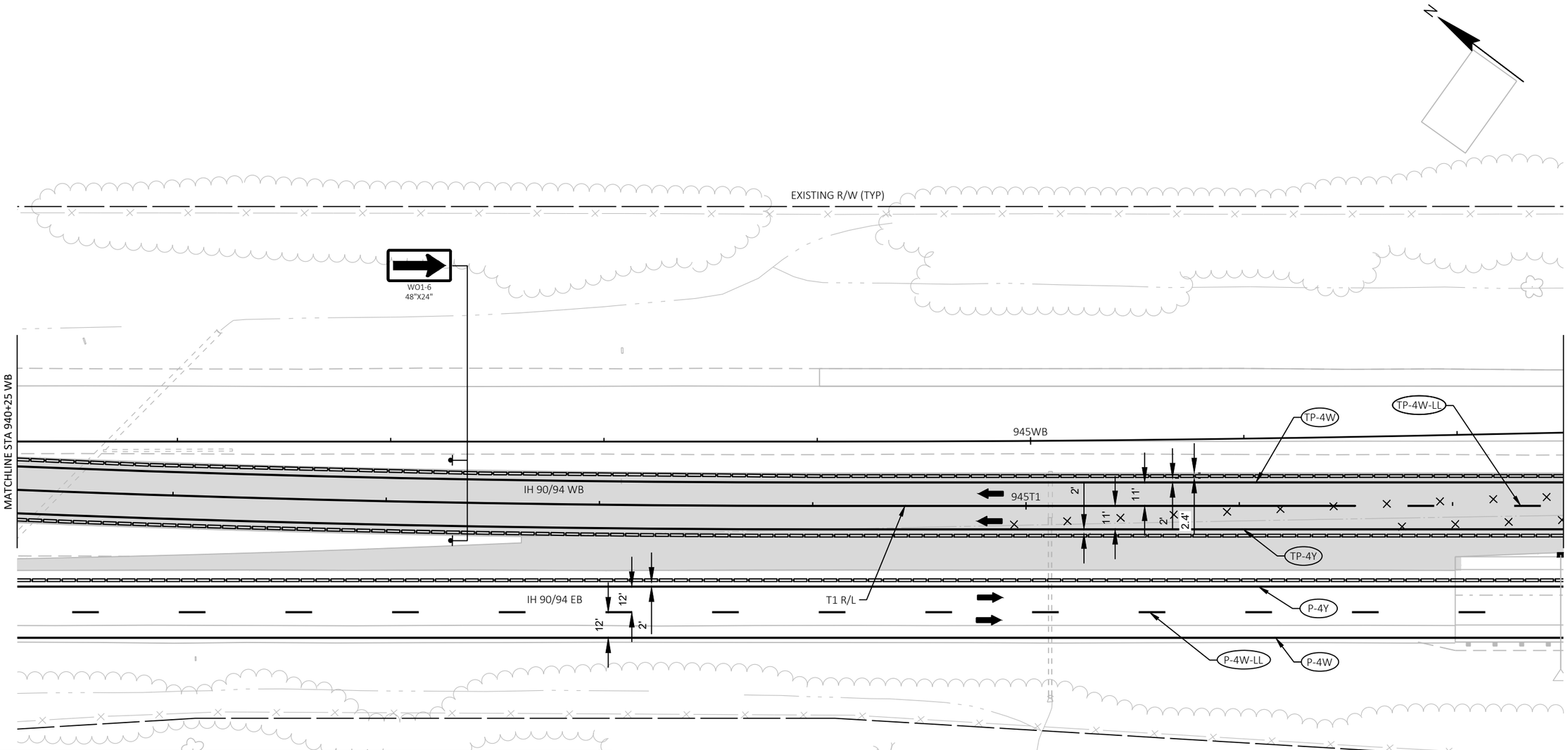
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 315	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 316	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025104_TC_S3A.DWG
LAYOUT NAME - 025102_tc
PLOT DATE : 10/28/2021 1:33 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

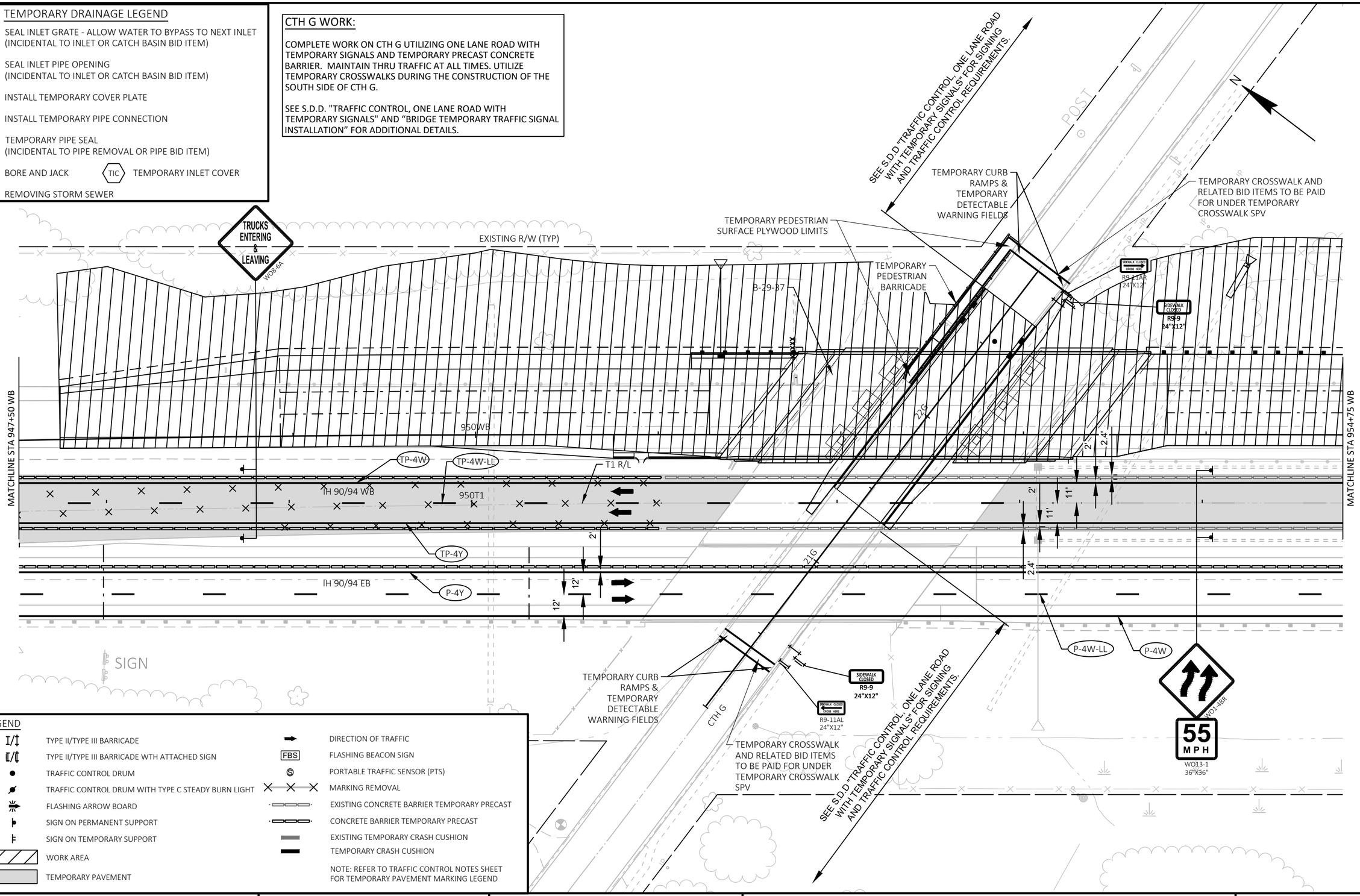
TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER

CTH G WORK:

COMPLETE WORK ON CTH G UTILIZING ONE LANE ROAD WITH TEMPORARY SIGNALS AND TEMPORARY PRECAST CONCRETE BARRIER. MAINTAIN THRU TRAFFIC AT ALL TIMES. UTILIZE TEMPORARY CROSSWALKS DURING THE CONSTRUCTION OF THE SOUTH SIDE OF CTH G.

SEE S.D.D. "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS" AND "BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION" FOR ADDITIONAL DETAILS.



LEGEND

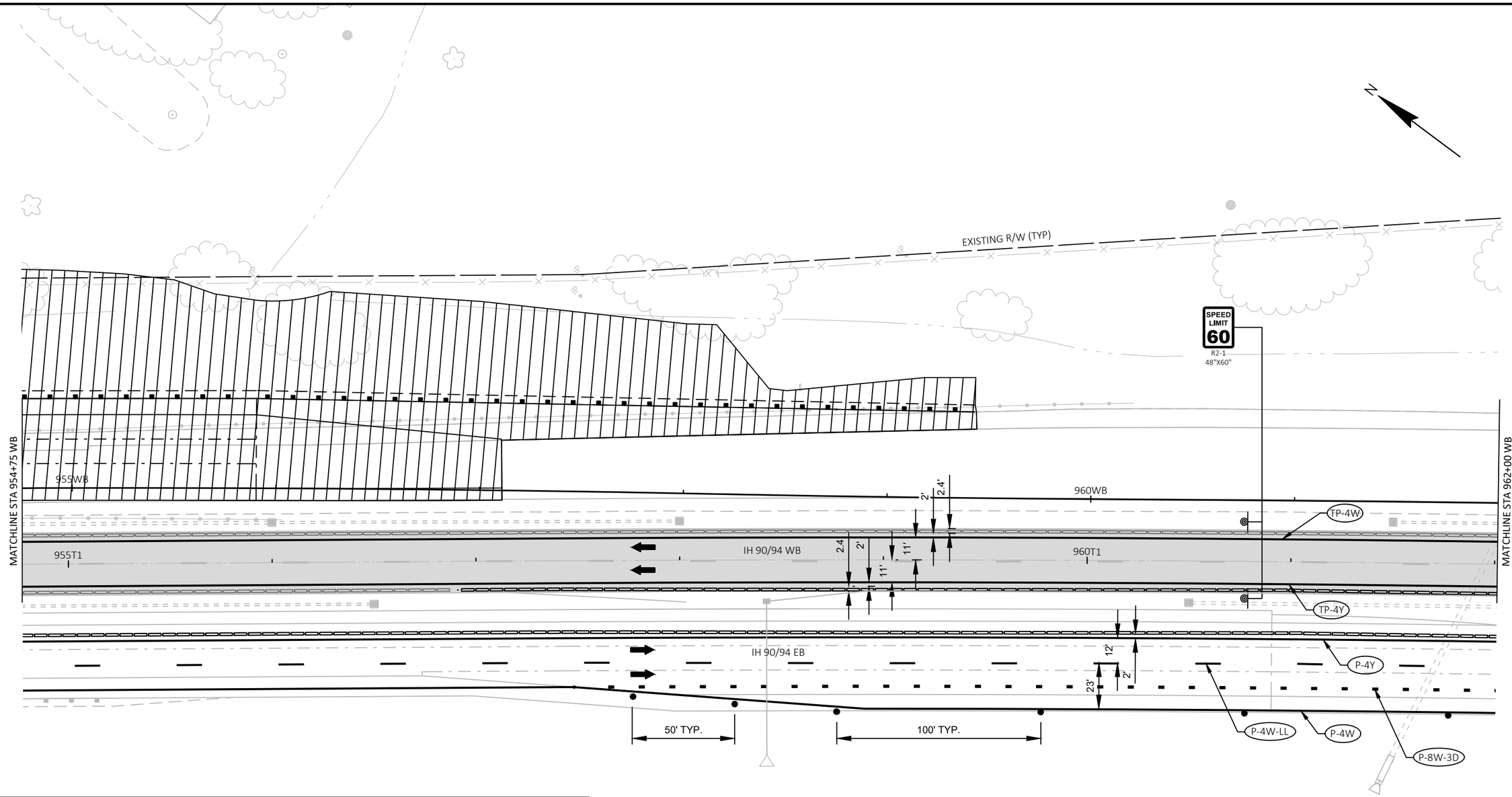
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 317	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025104_TC_S3A.DWG
LAYOUT NAME - 025103_tc
PLOT DATE : 11/17/2021 2:35 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



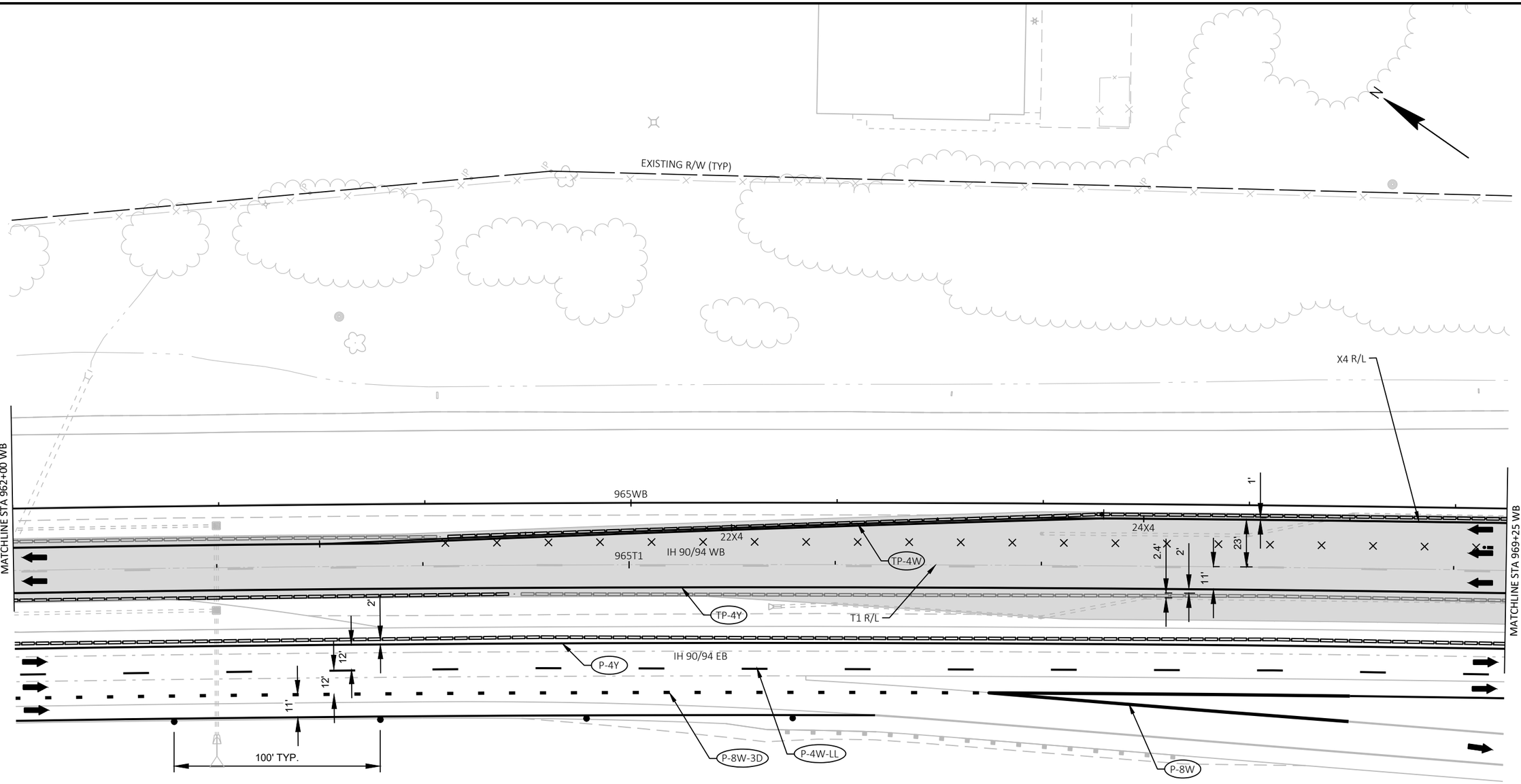
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 318	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 319	E

2

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

WO4-5
48"X48"

EXISTING R/W (TYP)

WO5-52R
18"X54"

TP-8W-3D

X4 R/L

TP-8W

50' TYP.

TP-4W

30X4

32X4

TP-4Y

970WB

975WB

TP-4W

26X4

28X4

15'

+93X4

IH 90/94 WB

2.4'

2'

11'

970T1

975T1

MATCHLINE STA 969+25 WB

MATCHLINE STA 976+50 WB

TP-4Y

2'

12'

IH 90/94 EB

P-4Y

P-4W

P-4W-LL

T1 R/L

WO4-1R

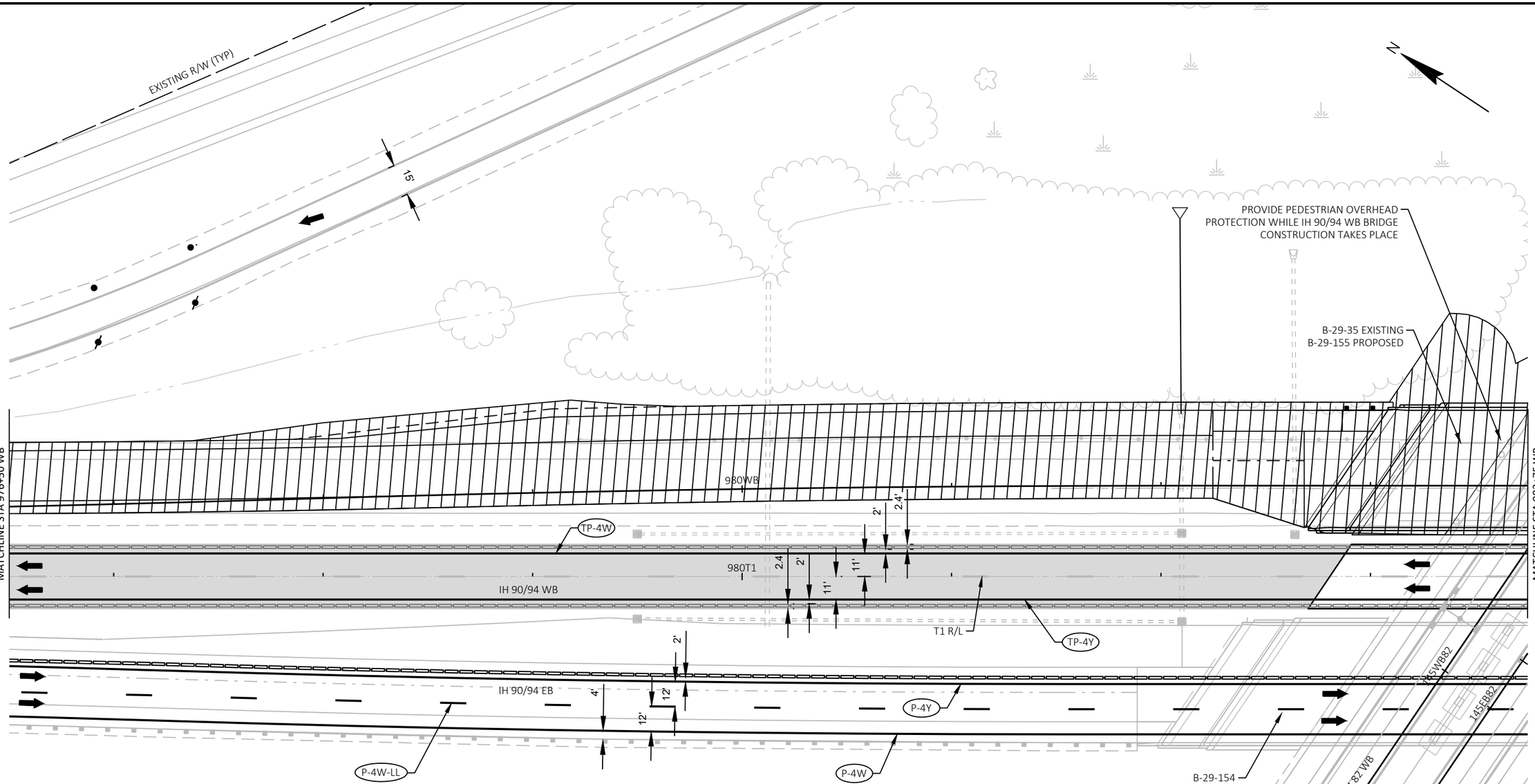
END
ROAD WORK
G20-2A
48"X24"

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 320	E

2



LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 321	E

2

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER

END ROAD WORK
G20-2A
48"X24"

EXISTING R/W (TYP)

N

STH 82 WB

STH 82 EB

PROVIDE PEDESTRIAN OVERHEAD PROTECTION WHILE IH 90/94 WB BRIDGE CONSTRUCTION TAKES PLACE

B-29-35 EXISTING
B-29-155 PROPOSED

TRUCKS ENTERING & LEAVING
W08-6A

W01-6
48" X 24"
TYPE III BARRICADE

32X12

MATCHLINE STA 983+75 WB

985WB

985T1

990WB

990T1

MATCHLINE STA 991+00 WB

2'
2.4'
2.4
2'
11'
11'
12'
4'
12'
2'

TP-4W

IH 90/94 WB

T1 R/L

TP-4Y

IH 90/94 EB

P-4Y

P-4W-LL

P-4W

B-29-154

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 322	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025104_TC_S3A.DWG
LAYOUT NAME - 025108_tc
PLOT DATE : 10/28/2021 1:33 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

E5-1
72"X60"
EXIT

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SIGN

EXISTING R/W (TYP)

MATCHLINE STA 991+00 WB

MATCHLINE STA 998+25 WB

4X12

36X12

16'

25' TYP.

TP-4Y

TP-4W

X12 R/L

38X12

TP-8W-3D

TP-4W

40X12

12'

+70X12

995T1

TP-8W

IH 90/94 WB

TP-4Y

2.4'

2'

11'

11'

2'

2.4'

2'

IH 90/94 EB

T1 R/L

12'

23'

P-4Y

15'

50' TYP.

P-8W

P-8W-3D

25'
TYP.

WO5-52R
18"X54"

P-4W

P-4W-LL

500'

ROAD
WORK
AHEAD
W20-1A

LEGEND

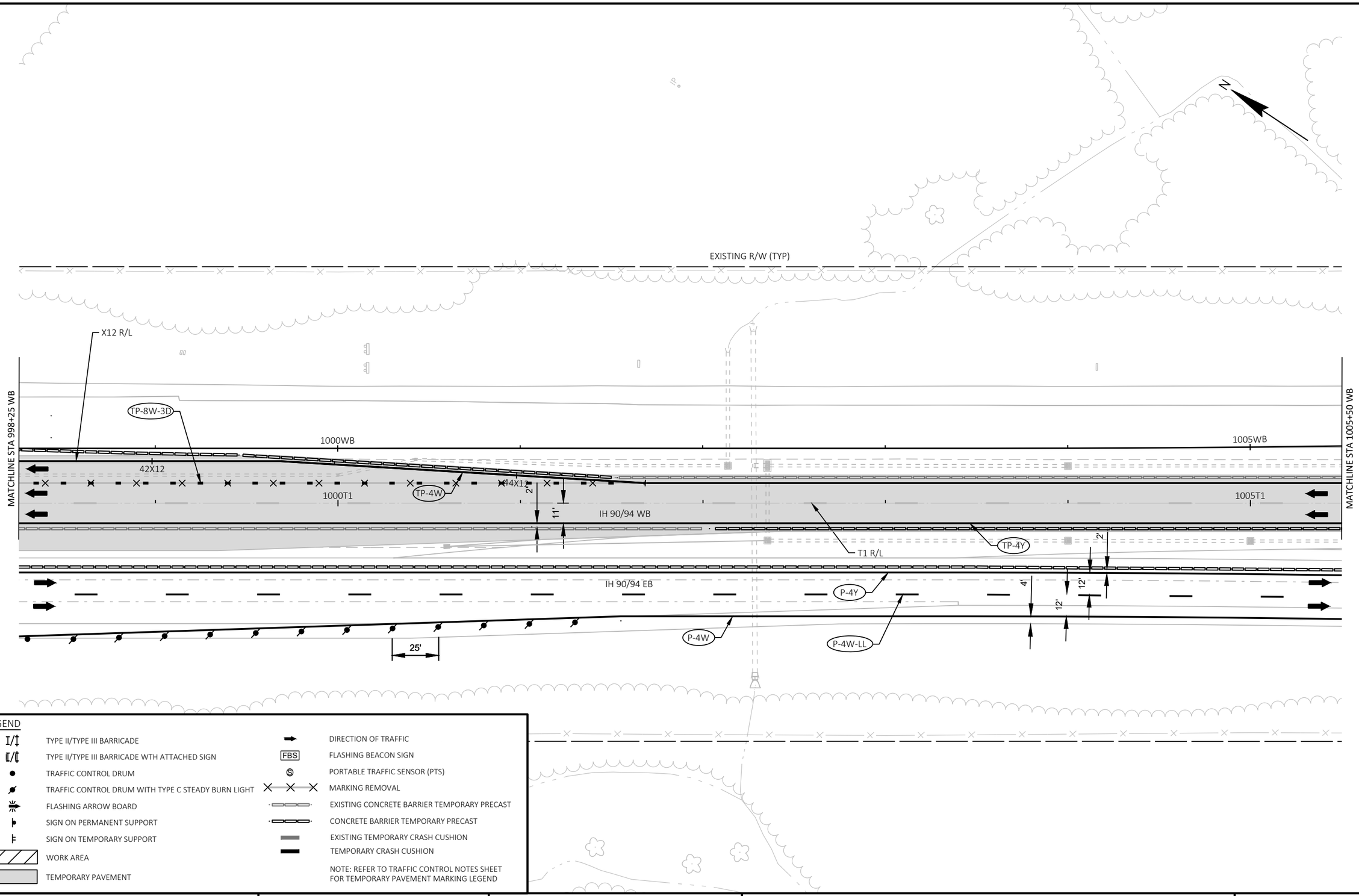
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 323	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025104_TC_S3A.DWG
LAYOUT NAME - 025109_tc
PLOT DATE : 10/28/2021 1:34 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



LEGEND

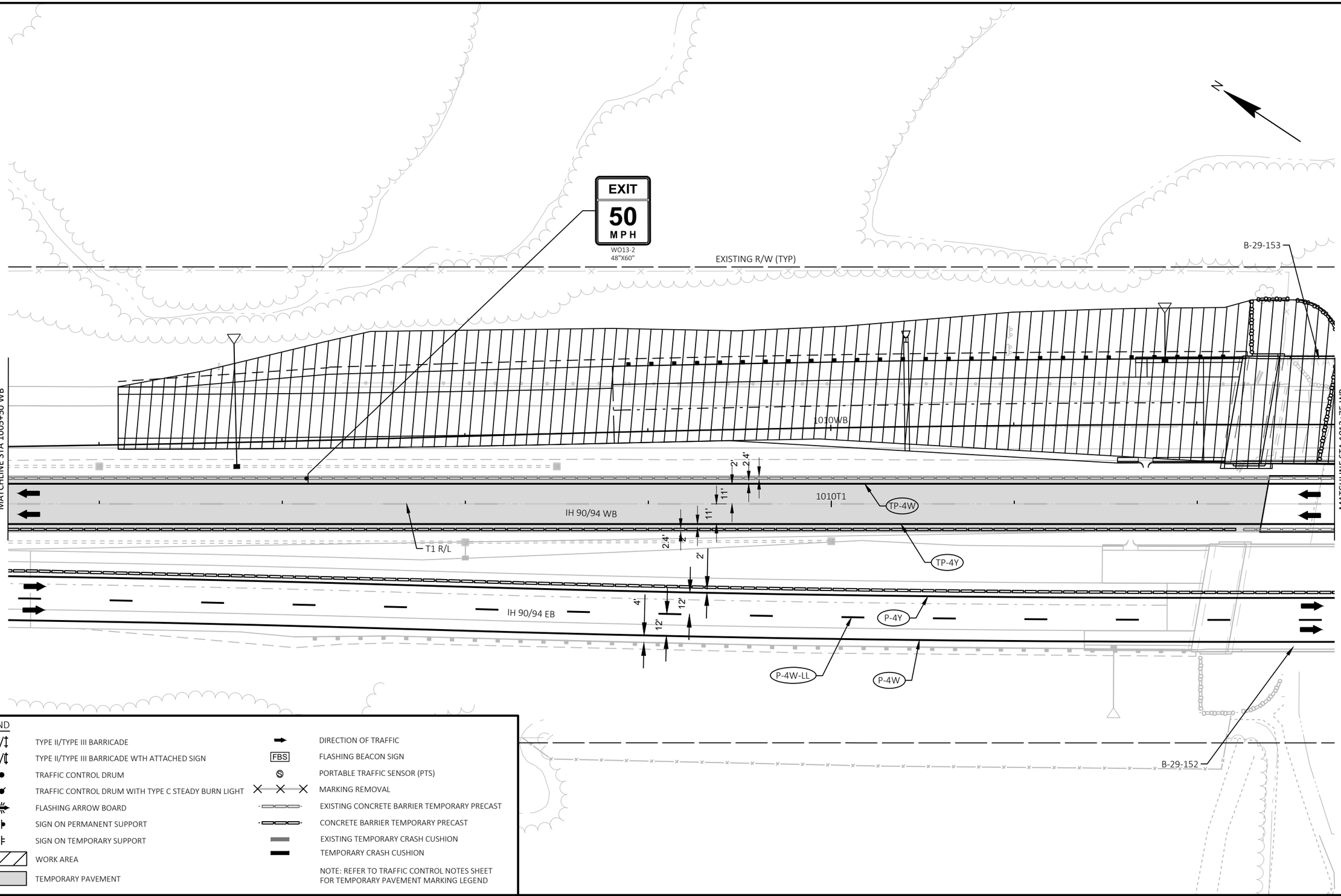
TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 324	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025104_TC_S3A.DWG
LAYOUT NAME - 025110_tc

PLOT DATE : 10/28/2021 1:34 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

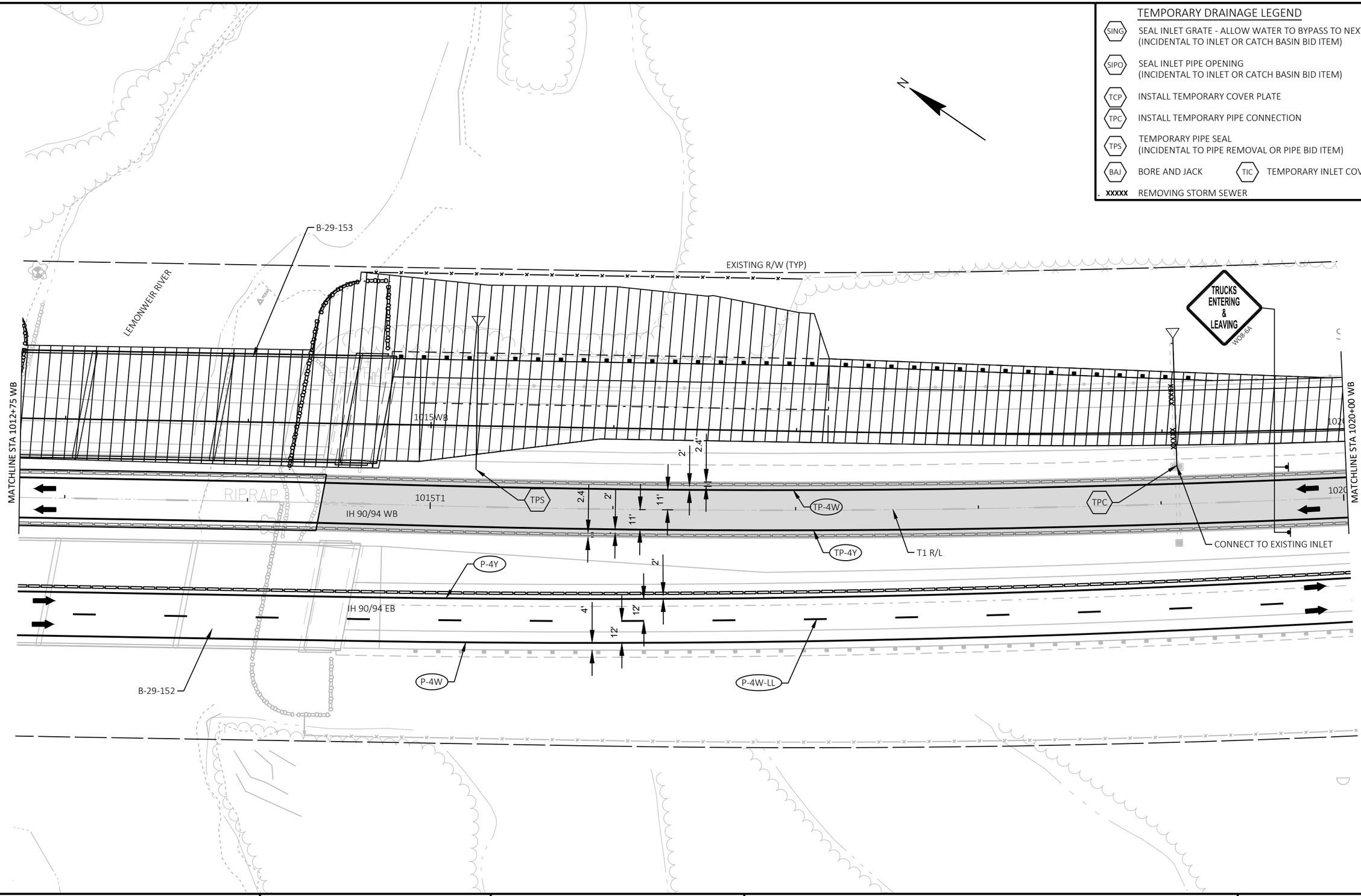
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 325	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025104_TC_S3A.DWG
LAYOUT NAME - 025111_tc
PLOT DATE : 10/28/2021 1:34 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 326	E

2

2

N

EXISTING R/W (TYP)

SIGN

MATCHLINE STA 1020+00 WB

0WB

T1

TPS

2'

2.4'

2.4'

2'

11'

11'

IH 90/94 WB

+4T1

TP-4W

1025WB

1025T1

TP-4Y

2'

12'

12'

IH 90/94 EB

P-4Y

P-4W-LL

P-4W

MATCHLINE STA 1027+24 WB

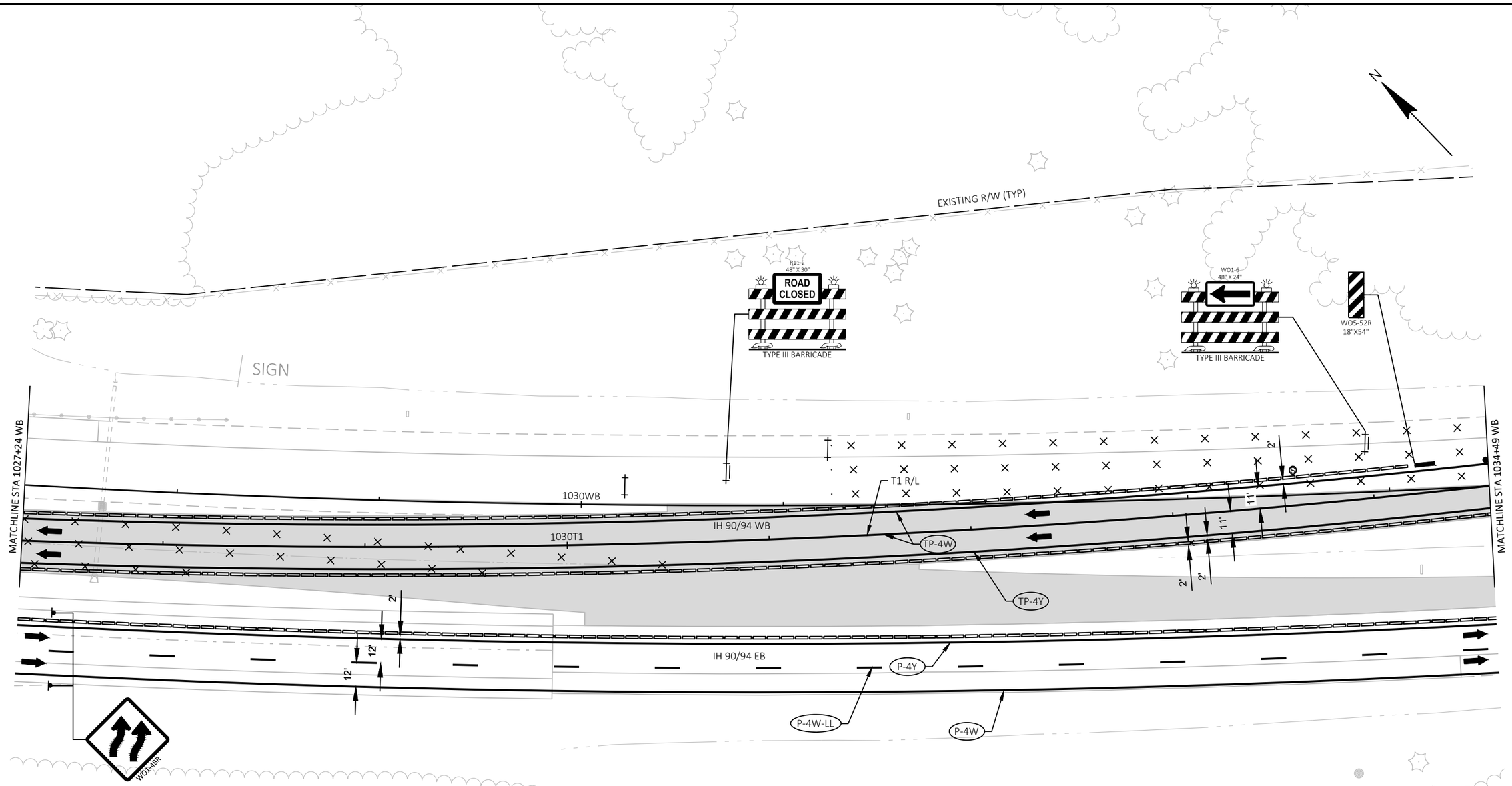
LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 327	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025104_TC_S3A.DWG
LAYOUT NAME - 025113_tc
PLOT DATE : 10/28/2021 1:34 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



LEGEND

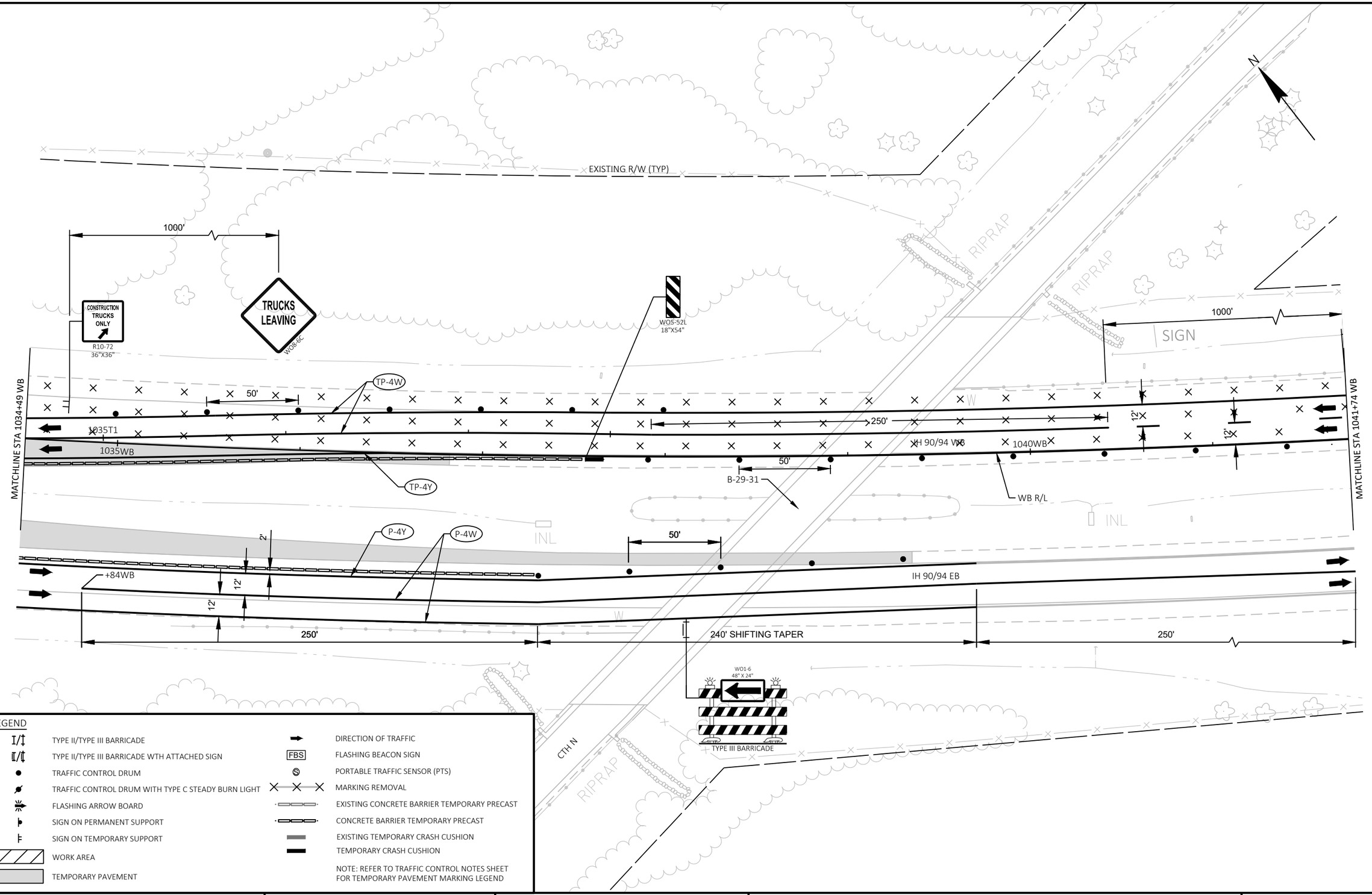
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
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- SIGN ON PERMANENT SUPPORT
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- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 328	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025104_TC_S3A.DWG
LAYOUT NAME - 025114_tc
PLOT DATE : 10/28/2021 1:34 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



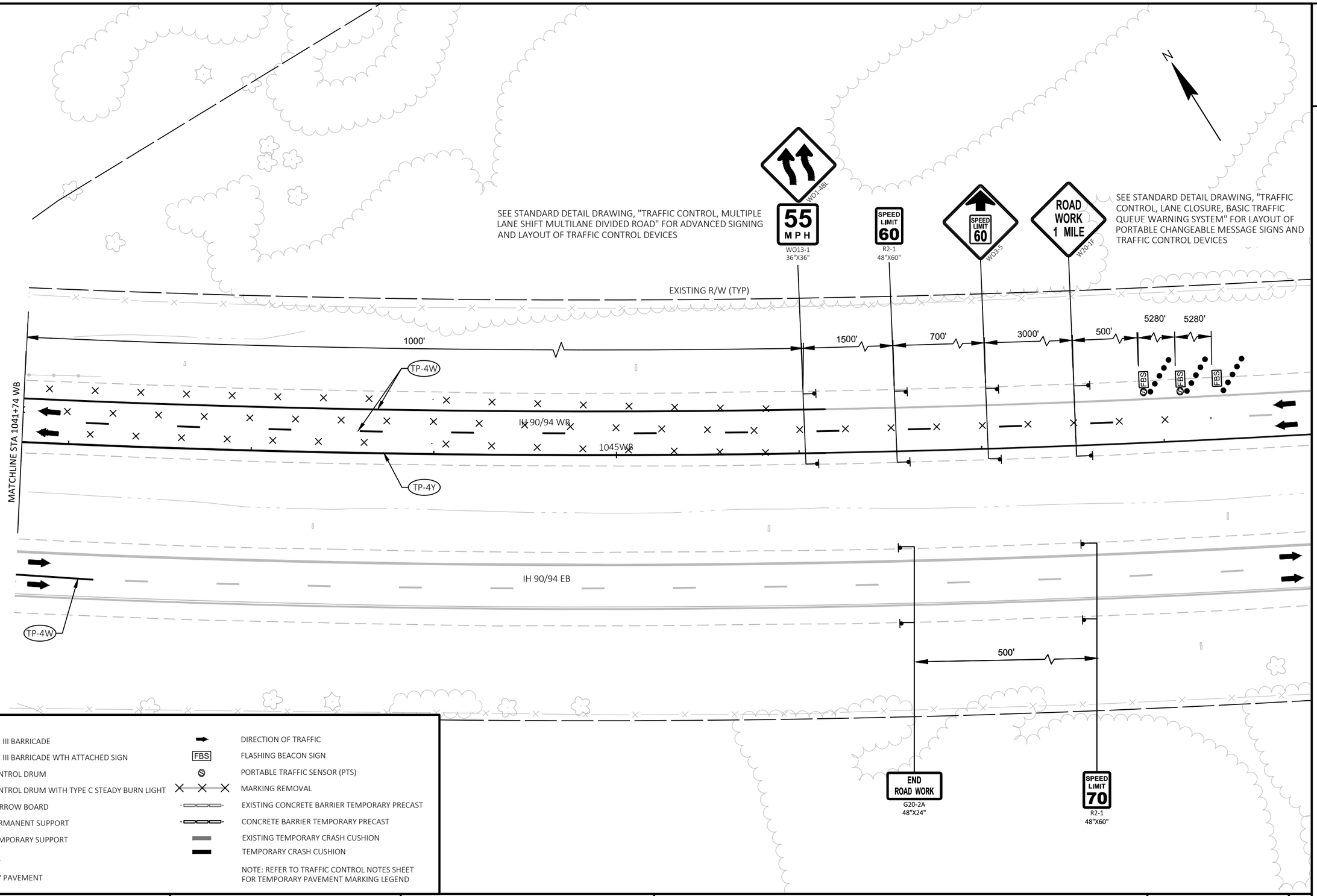
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 329	E

2



LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3A	SHEET 330	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025104_TC_S3A.DWG
LAYOUT NAME - 025116_tc

PLOT DATE : 10/28/2021 1:34 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

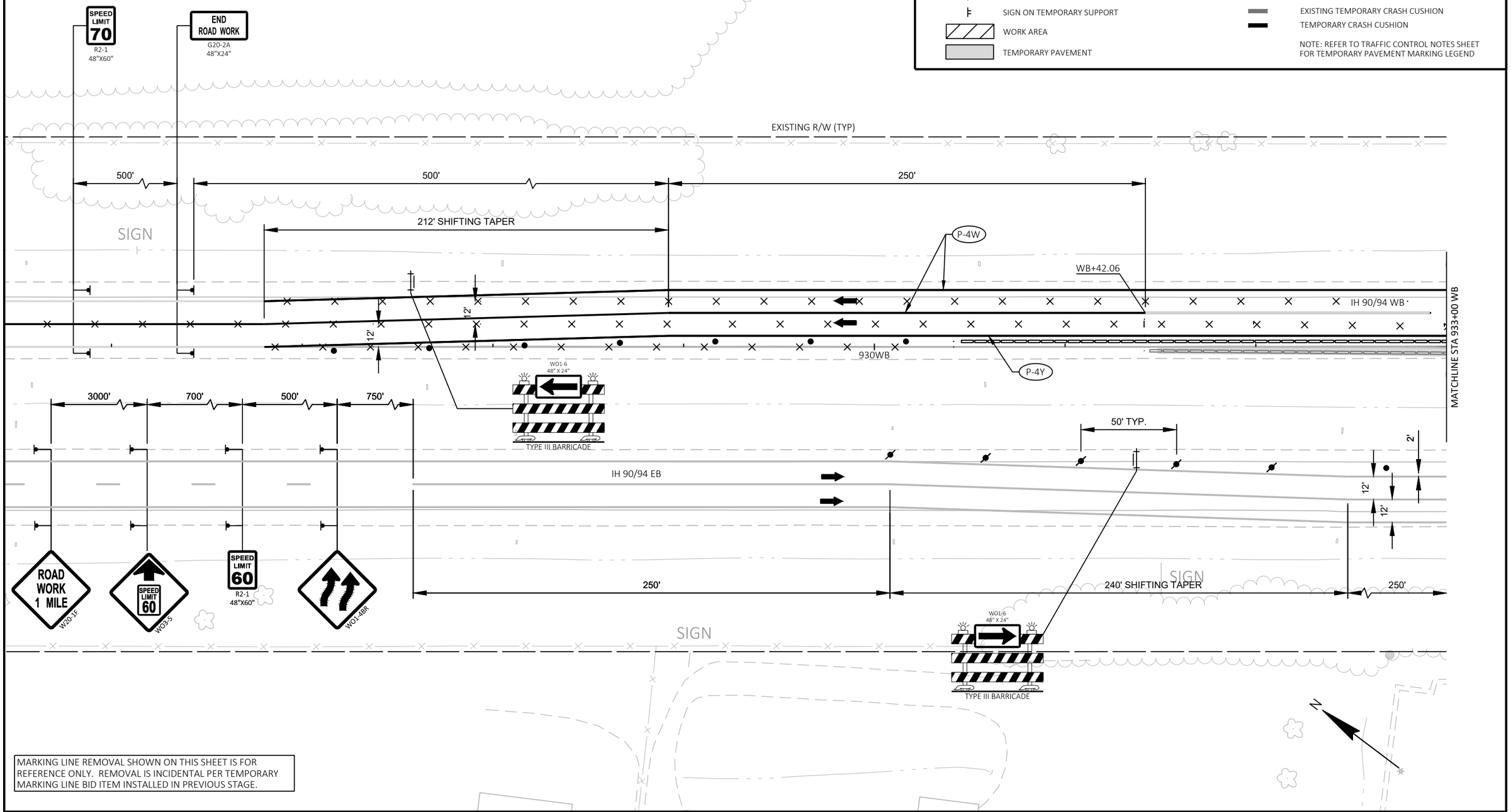
STAGE 3 WINTER SHUTDOWN

SHIFT WB TRAFFIC BACK TO EXISTING IH 90/94 LANES. TRAFFIC ON IH 90/94 EB TRAFFIC WILL CONTINUE TO TRAVEL ON THE NEW PAVEMENT AND MAINTAIN THE TRAFFIC CONFIGURATION FROM STAGE 3A. INSTALL TEMPORARY CONCRETE BARRIER BETWEEN WB TRAFFIC AND MEDIAN AT LOCATIONS WHERE IT WAS REMOVED IN PREVIOUS STAGES.

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 331	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025105_TC_S3_WINTER SHUTDOWN.DWG
LAYOUT NAME - 025100_tc
PLOT DATE : 10/28/2021 11:03 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.

N

EXISTING R/W (TYP)

OH

P-4W

P-4Y

MATCHLINE STA 933+00 WB

935T1

935WB

12'

12'

IH 90/94 WB

940WB

940T1

MATCHLINE STA 940+25 WB

100' TYP.

2'

12'

12'

IH 90/94 EB

TE-4W-LL

250'

WO5-52L
18"X54"

SIGN

SIGN

MH

INL

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 332	E

2

2

N

EXISTING R/W (TYP)

OH

WO1.4BL

MATCHLINE STA 940+25 WB

12'

12'

IH 90/94 WB

945WB

945T1

MATCHLINE STA 947+50 WB

IH 90/94 EB

12'

12'

2'

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 333	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025105_TC_S3_WINTER SHUTDOWN.DWG
LAYOUT NAME - 025102_tc

PLOT DATE : 10/28/2021 11:03 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

EXISTING R/W (TYP)

P-4Y

P-4W

TR-4Y

P-4Y

P-4W

TR-4W

IH 90/94 WB

950WB

12'

12'

MATCHLINE STA 947+50 WB

950T1

MATCHLINE STA 954+75 WB

2'

IH 90/94 EB

12'

12'

SIGN

CTH G

LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

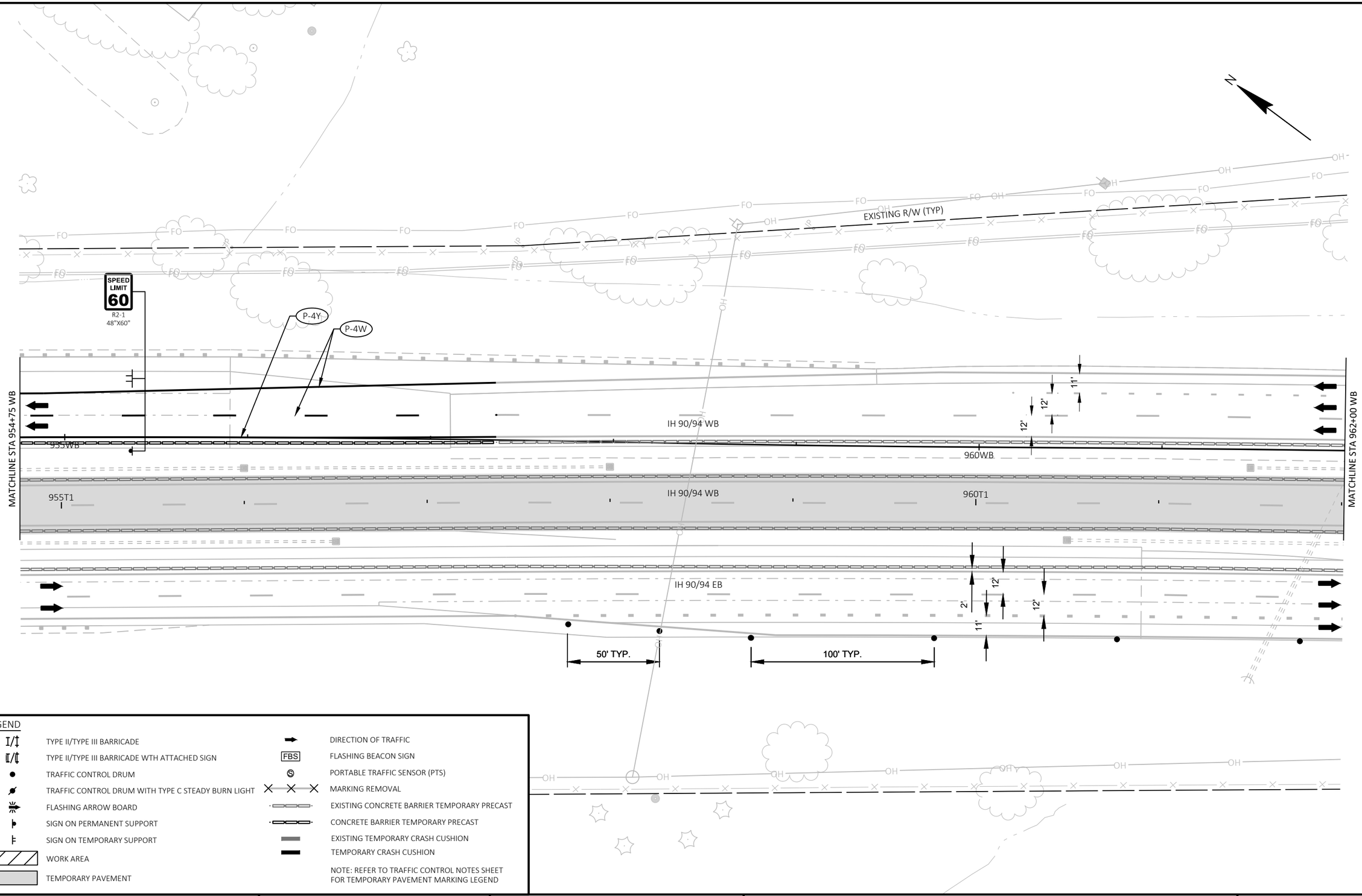
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 334	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025105_TC_S3_WINTER SHUTDOWN.DWG
LAYOUT NAME - 025103_tc

PLOT DATE : 10/28/2021 11:04 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



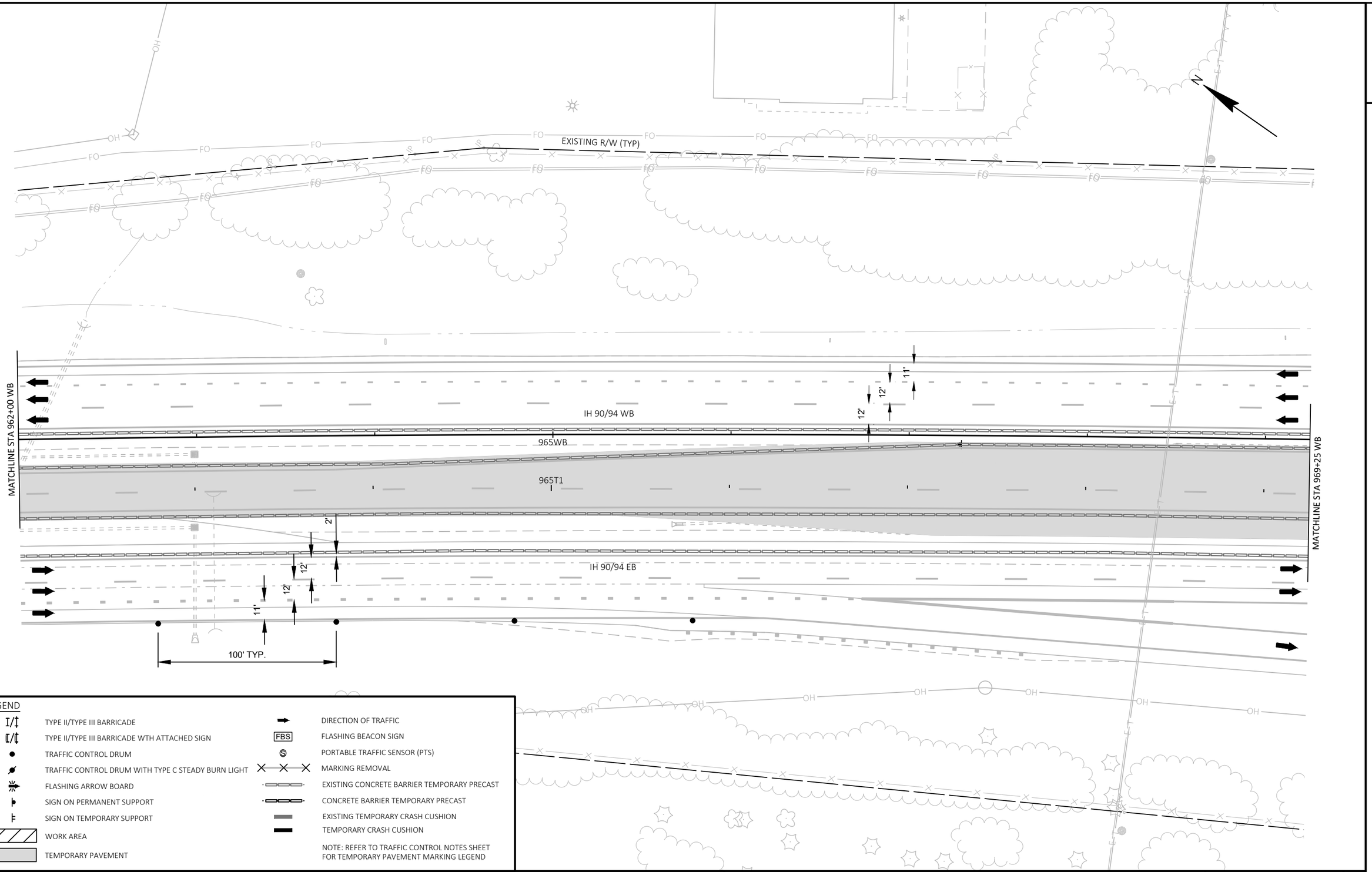
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 335	E

2

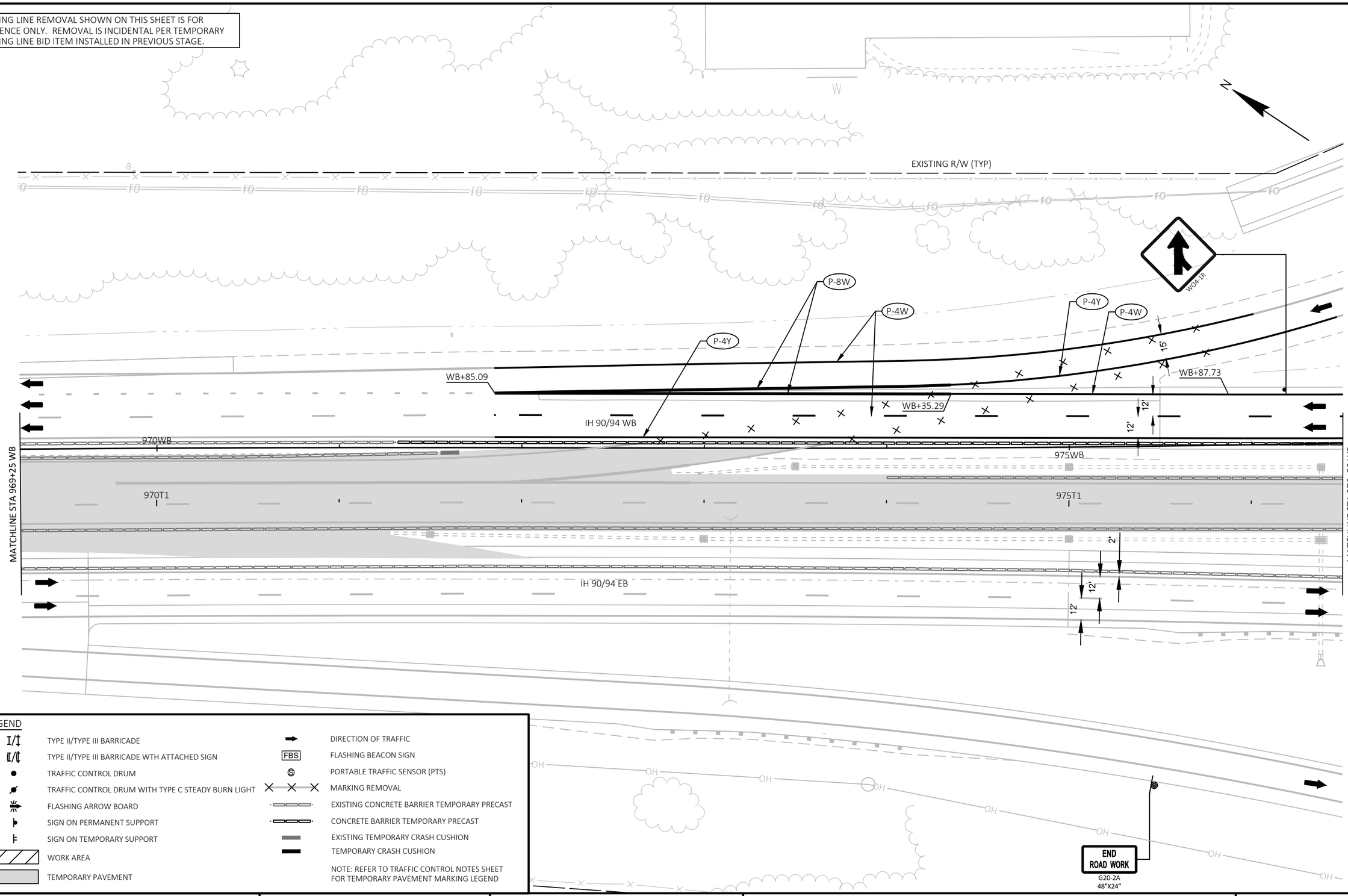


LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 336	E

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.



LEGEND

I/I	TYPE II/TYPE III BARRICADE	→	DIRECTION OF TRAFFIC
I/I	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 337 E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025105_TC_S3_WINTER SHUTDOWN.DWG
LAYOUT NAME - 025106_tc
PLOT DATE : 10/28/2021 11:04 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

EXISTING R/W (TYP)

FO

IH 90/94 WB

980WB

980T1

IH 90/94 EB

12'

12'

4'

2'

12'

MATCHLINE STA 976+50 WB

MATCHLINE STA 983+75 WB

B-29-155

P-4W

TR-4W

TR-4Y

P-4Y

B-29-154

145WB82

145EB82

STH 82 WB

STH 82 EB

GUY

N

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 338	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025105_TC_S3_WINTER SHUTDOWN.DWG
LAYOUT NAME - 025107_tc

PLOT DATE : 10/28/2021 11:04 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

END
ROAD WORK
G20-2A
48"X24"

EXISTING R/W (TYP)

WO5-52R
18"X54"

WO1-6
48" X 24"
TYPE III BARRICADE

STH 82 WB

STH 82 EB

B-29-155

TR-4W

TR-4Y

P-4W

P-4Y

B-29-154

MATCHLINE STA 983+75 WB

MATCHLINE STA 991+00 WB

IH 90/94 WB

IH 90/94 EB

12'

12'

2'

4'

12'

985WB

990WB

985T1

990T1

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

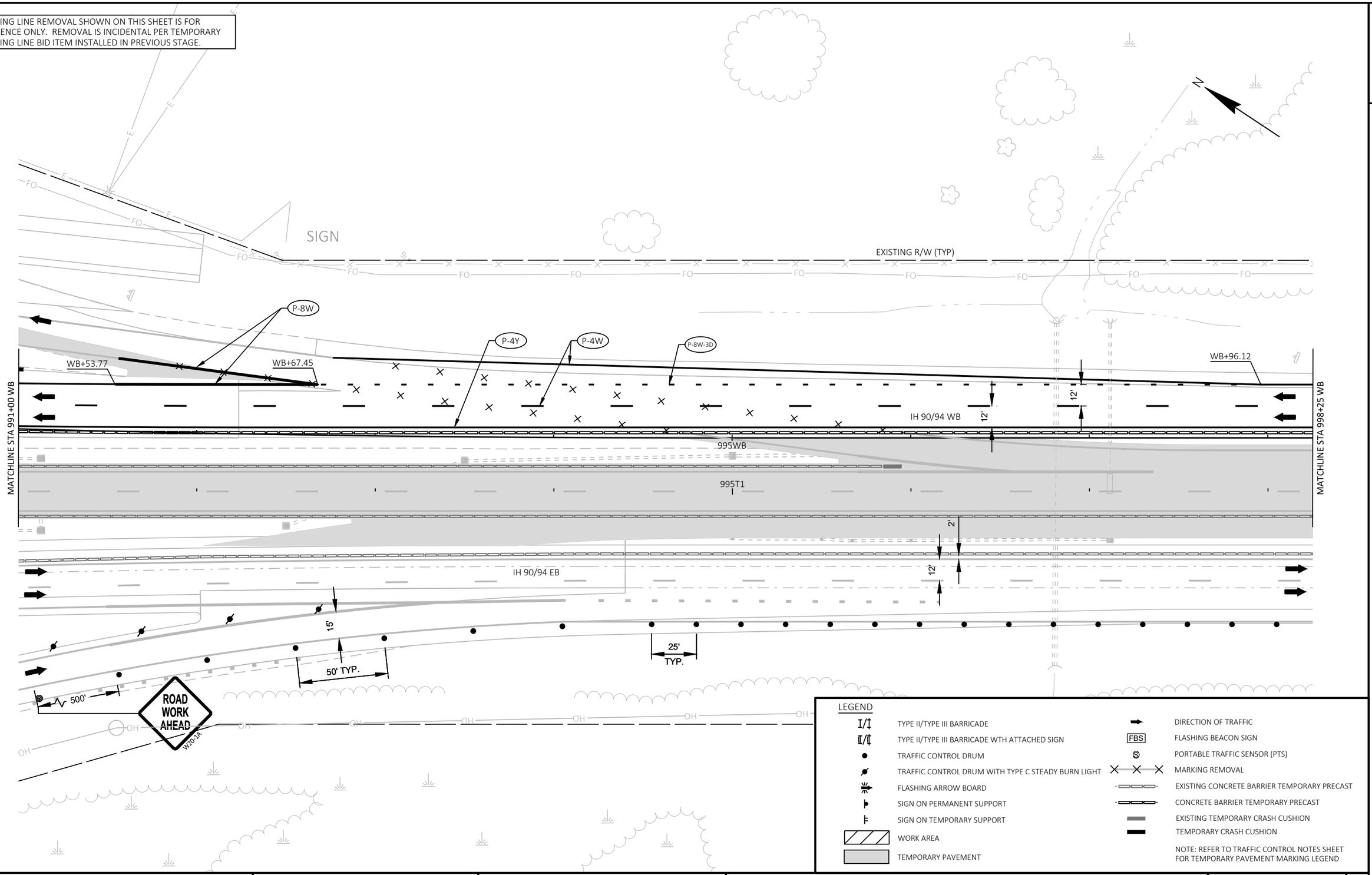
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 339	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025105_TC_S3_WINTER SHUTDOWN.DWG
LAYOUT NAME - 025108_tc

PLOT DATE : 10/28/2021 11:04 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.



LEGEND

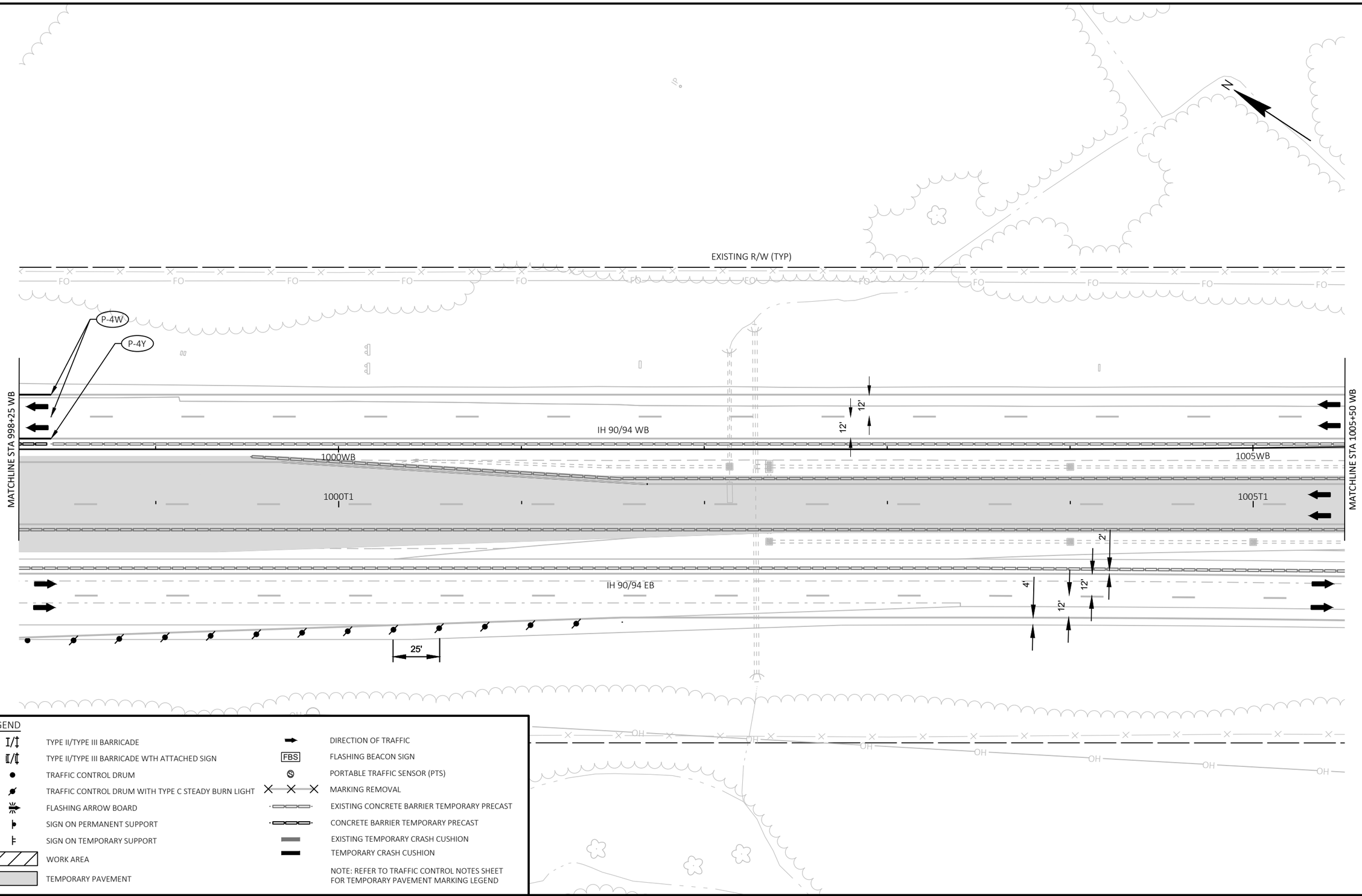
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 340	E

2

2

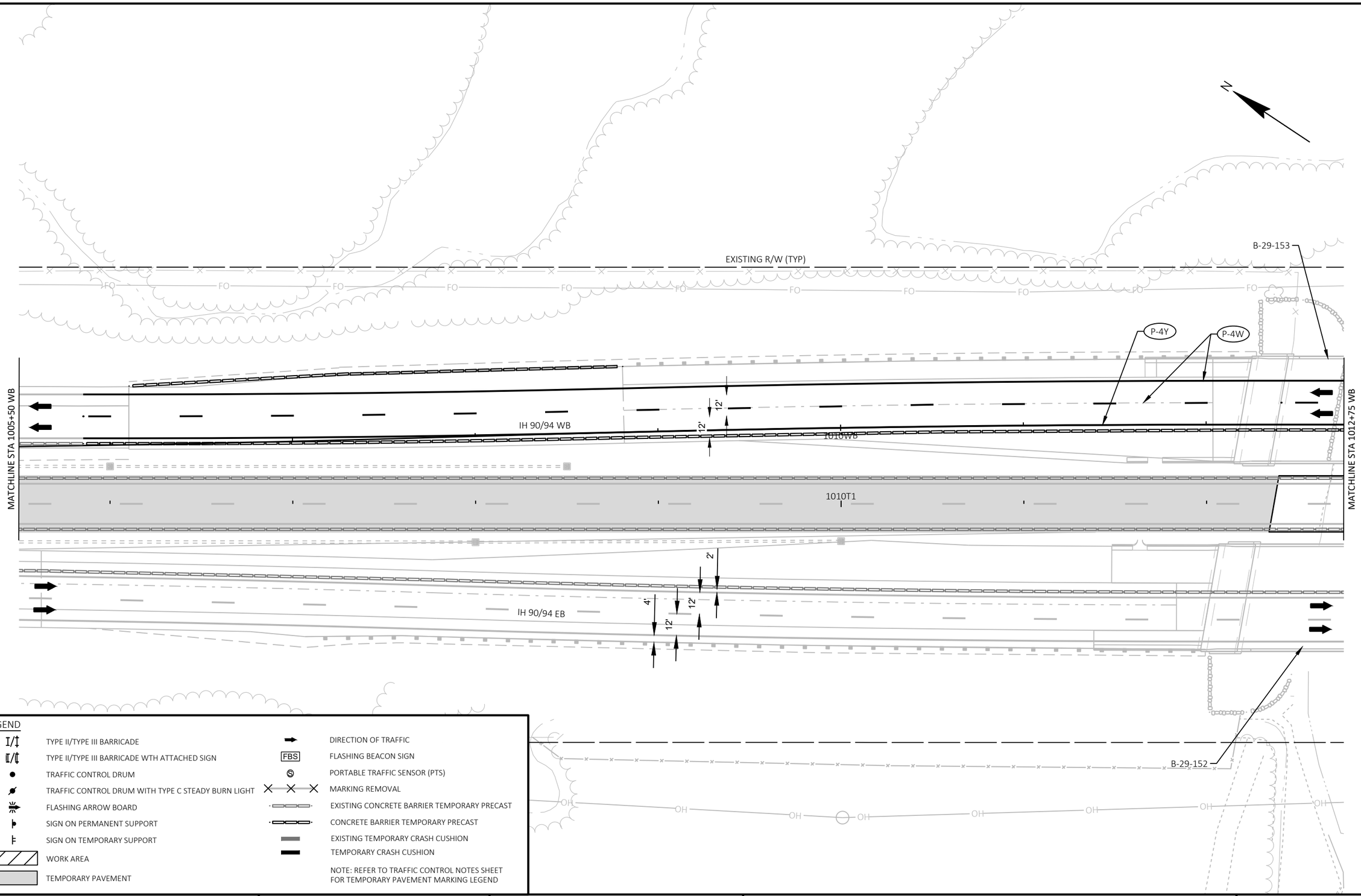


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 341	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025105_TC_S3_WINTER SHUTDOWN.DWG
LAYOUT NAME - 025110_tc

PLOT DATE : 10/28/2021 11:04 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I‖/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
◪	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
⇶	FLASHING ARROW BOARD	▭▭▭	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
⊢	SIGN ON PERMANENT SUPPORT	▭▭▭	CONCRETE BARRIER TEMPORARY PRECAST
⊢	SIGN ON TEMPORARY SUPPORT	▬	EXISTING TEMPORARY CRASH CUSHION
▨	WORK AREA	▬	TEMPORARY CRASH CUSHION
▭	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 342	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025105_TC_S3_WINTER SHUTDOWN.DWG
LAYOUT NAME - 025111_tc
PLOT DATE : 10/28/2021 11:05 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W (TYP)

LEMONWEIR RIVER

TR-4W

TR-4Y

B-29-153

P-4Y

P-4W

IH 90/94 WB

1015WB

12'

12'

MATCHLINE STA 1012+75 WB

MATCHLINE STA 1020+00 WB

RIPRAP

1015T1

IH 90/94 EB

2'

4'

12'

12'

B-29-152

OH

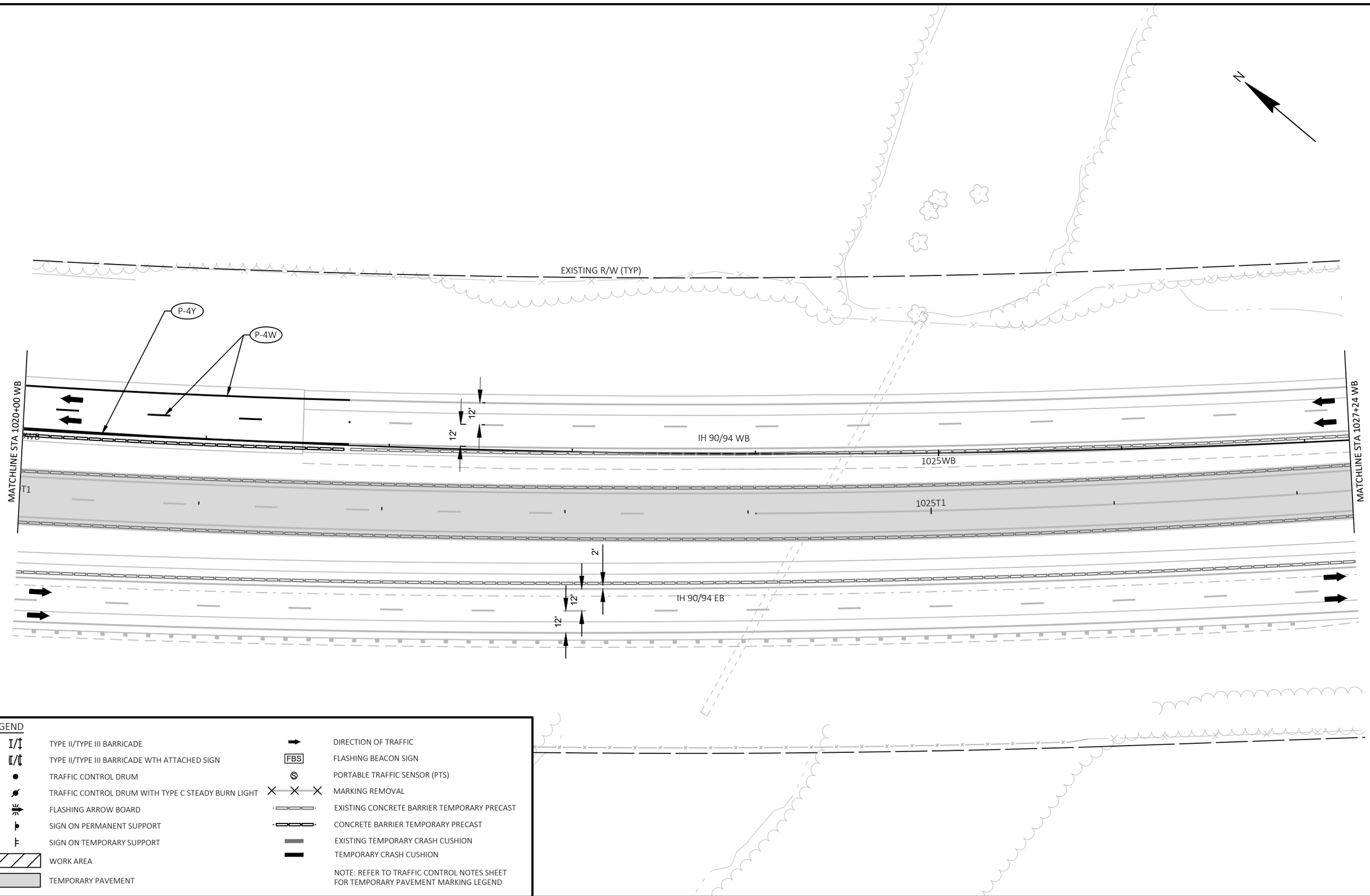
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 343	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025105_TC_S3_WINTER SHUTDOWN.DWG
LAYOUT NAME - 025112_tc

PLOT DATE : 10/28/2021 11:05 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



LEGEND

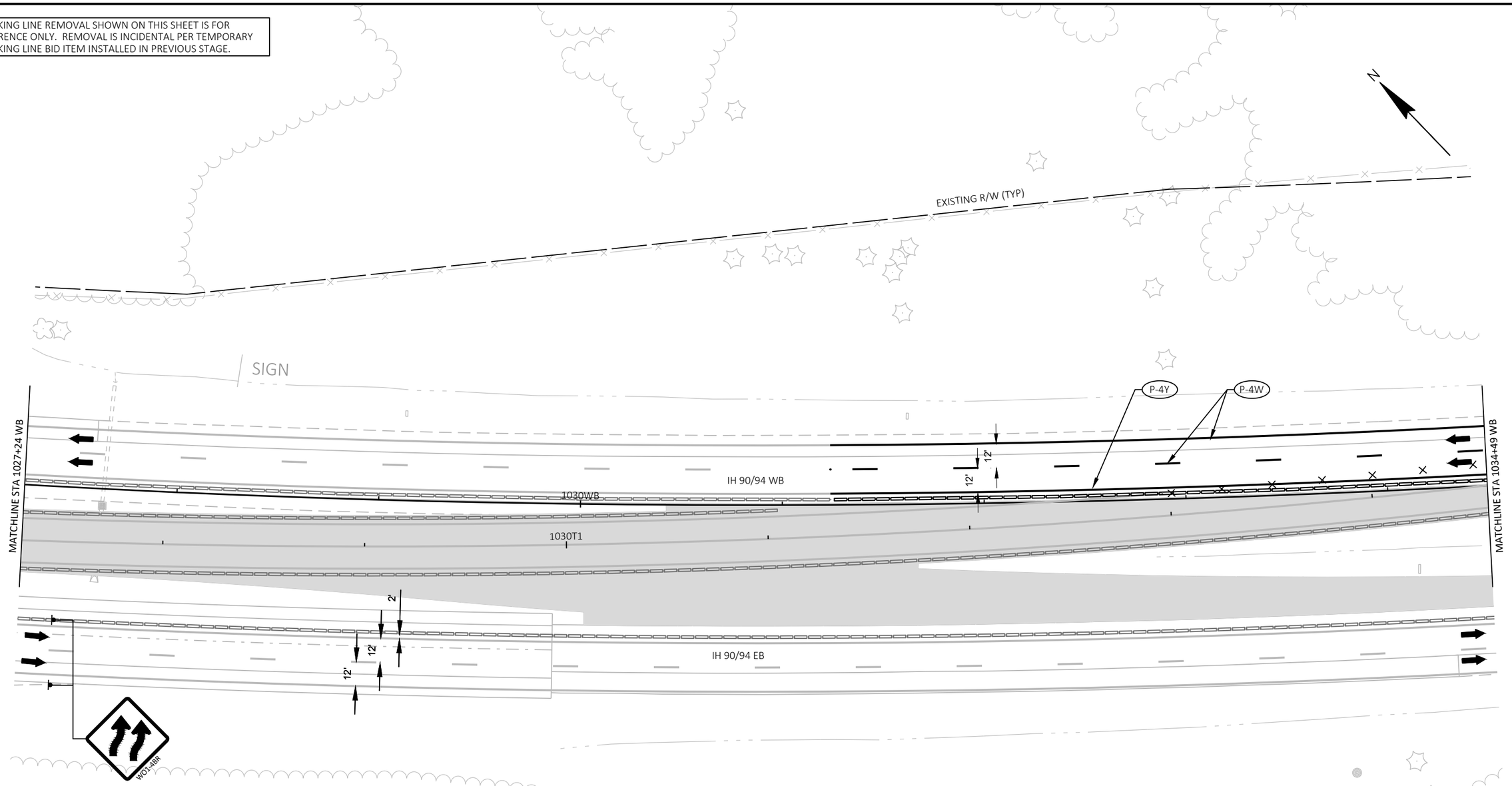
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 344	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025105_TC_S3_WINTER SHUTDOWN.DWG
LAYOUT NAME - 025113_tc
PLOT DATE : 10/28/2021 11:05 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.



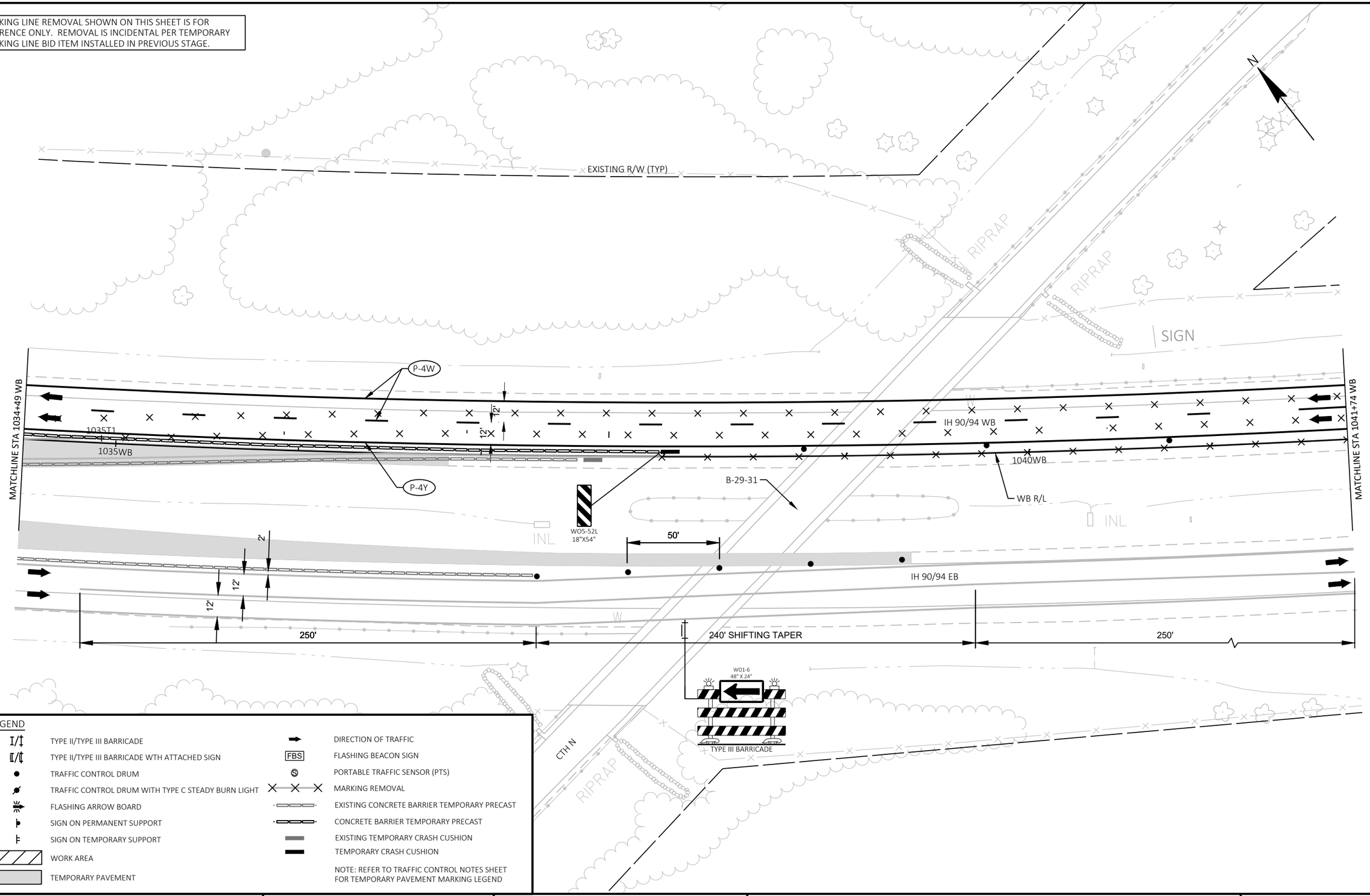
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 345	E

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

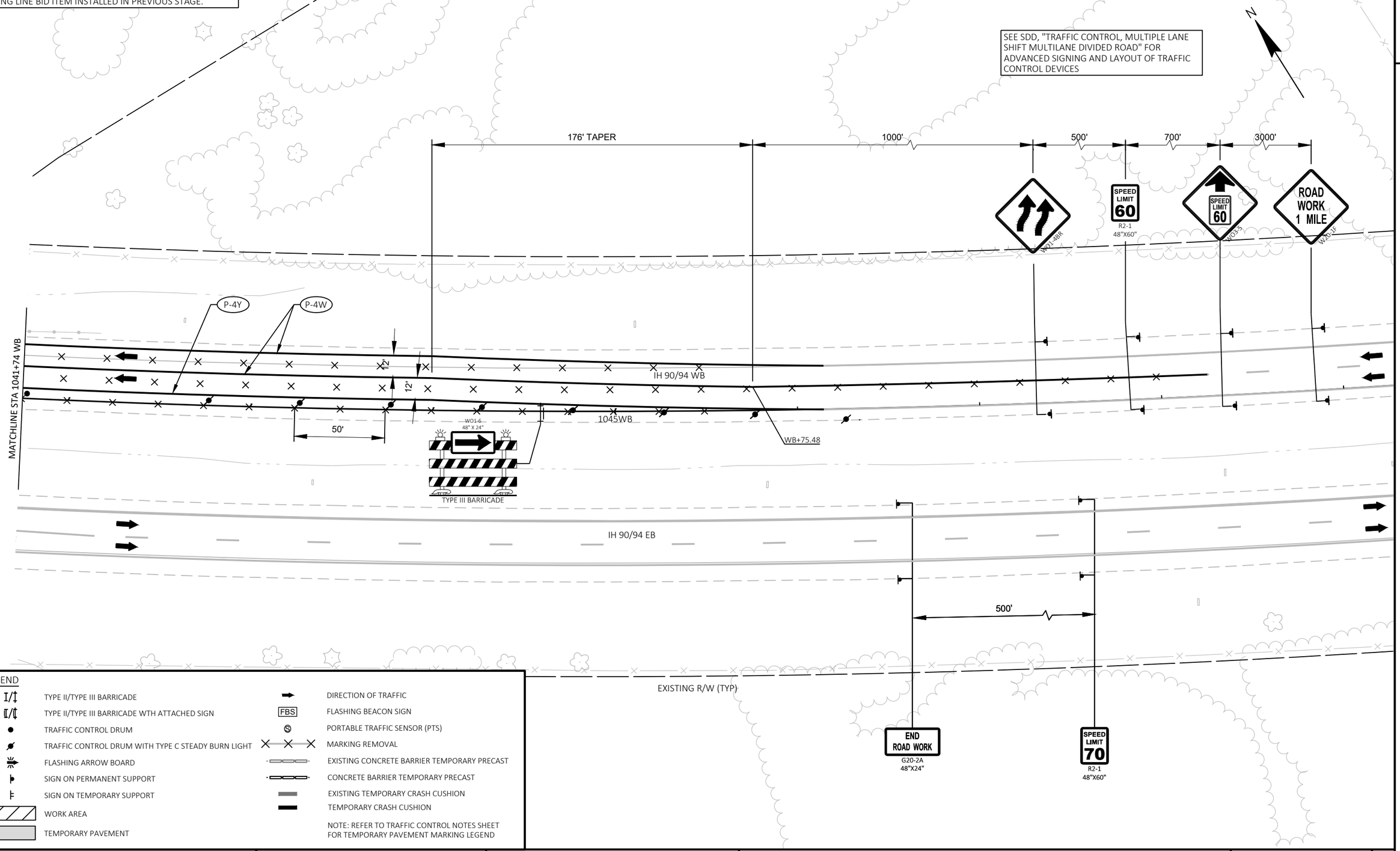
NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 346	E

2

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.

SEE SDD, "TRAFFIC CONTROL, MULTIPLE LANE SHIFT MULTILANE DIVIDED ROAD" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3 WINTER SHUTDOWN	SHEET 347	E

2

STAGE 3B DESCRIPTION:
TRAFFIC ON IH 90/94 WB WILL BE SHIFTED TO THE TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN WITH CONNECTIONS TO THE TEMPORARY IH-90/94 WB EXIT RAMP AND EXISTING IH 90/94 WB ENTRANCE RAMP AT THE STH 82 INTERCHANGE. UTILIZE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND THE WORK ZONE WHEN THE PROPOSED WORK IS WITHIN THE CLEAR ZONE LIMITS. TRAFFIC ON I-90/94 EASTBOUND WILL BE TRAVELING ON THE NEW PAVEMENT.

THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE IH 90/94 WB LANES EXIT AND ENTRANCE RAMPS AT THE STH 82 INTERCHANGE.

CONSTRUCTION ON CTH G BENEATH THE IH 90/94 WB BRIDGE WILL ALSO TAKE PLACE. WORK WILL BE COMPLETED USING A ONE LANE ROAD WITH TEMPORARY SIGNALS.

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

SPEED LIMIT 70
R2-1
48"X60"

END ROAD WORK
G20-2A
48"X24"

EXISTING R/W (TYP)

500' 500' 250'

SIGN

TP-4W

IH 90/94 WB

12'

2'

930WB

TP-4Y

MATCHLINE STA 933+00 WB

3000' 700' 500' 750'

ROAD WORK 1 MILE
W20-1F

SPEED LIMIT 60
W03-5

SPEED LIMIT 60
R2-1
48"X60"

W01-4BR

IH 90/94 EB

250'

50' TYP.

2'

12'

12'

240' SHIFTING TAPER

250'

SIGN

W01-6
48" X 24"

TYPE III BARRICADE

SIGN

N

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.

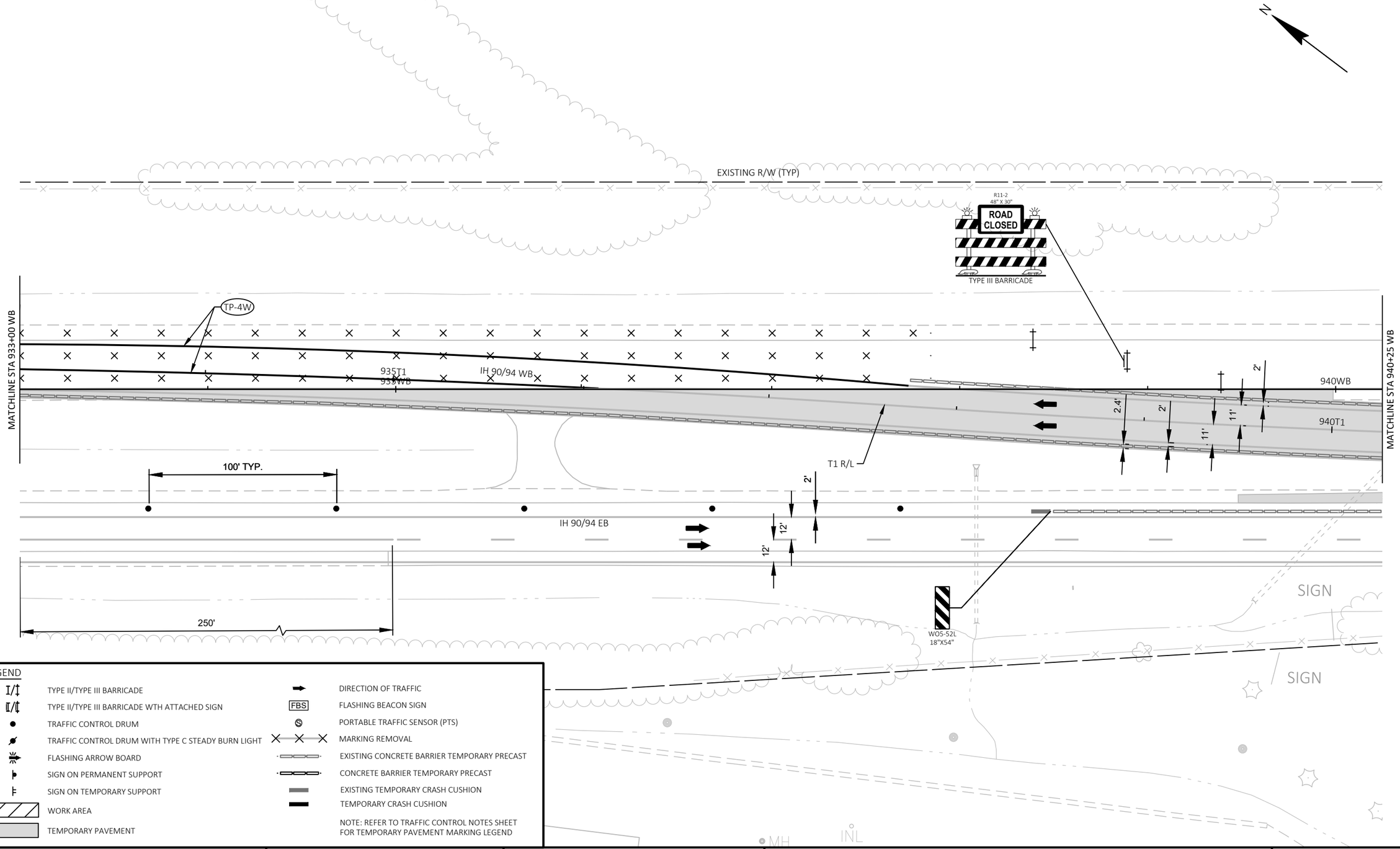
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 348	E

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LAYOUT NAME - 025100_tc
PLOT DATE : 10/25/2021 2:06 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.

2



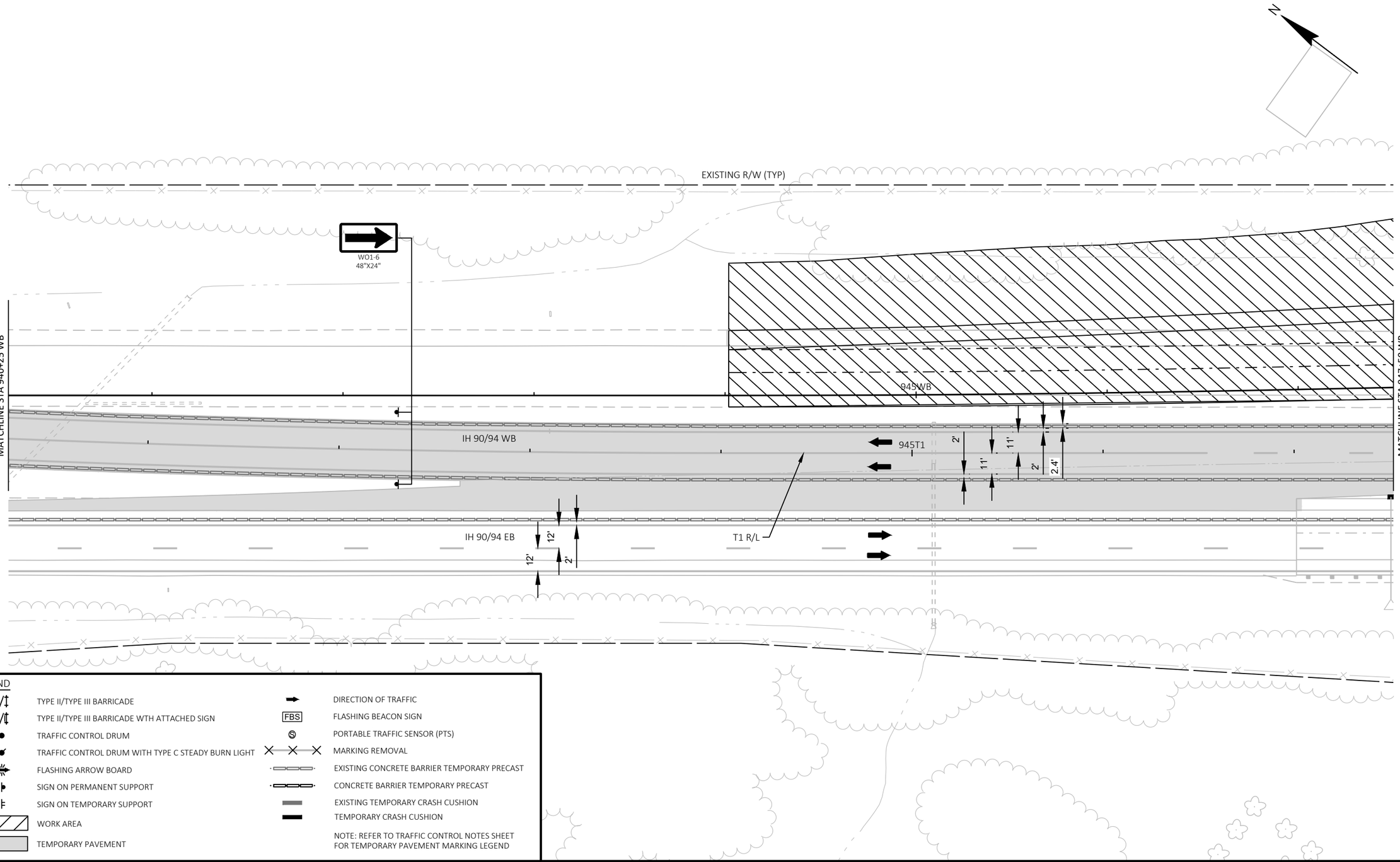
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 349	E

2



LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 350	E

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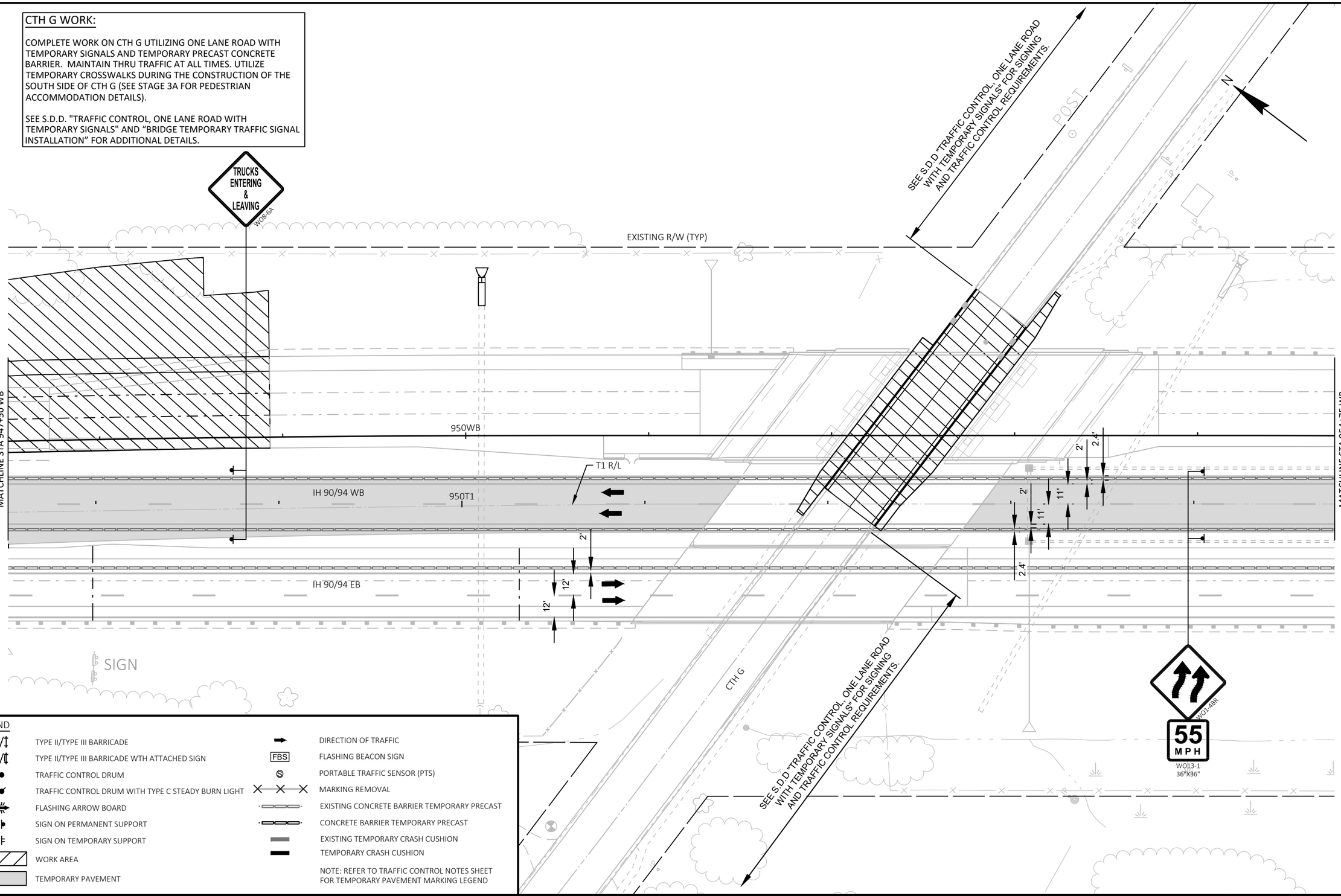
2

2

CTH G WORK:

COMPLETE WORK ON CTH G UTILIZING ONE LANE ROAD WITH TEMPORARY SIGNALS AND TEMPORARY PRECAST CONCRETE BARRIER. MAINTAIN THRU TRAFFIC AT ALL TIMES. UTILIZE TEMPORARY CROSSWALKS DURING THE CONSTRUCTION OF THE SOUTH SIDE OF CTH G (SEE STAGE 3A FOR PEDESTRIAN ACCOMMODATION DETAILS).

SEE S.D.D. "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS" AND "BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION" FOR ADDITIONAL DETAILS.



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

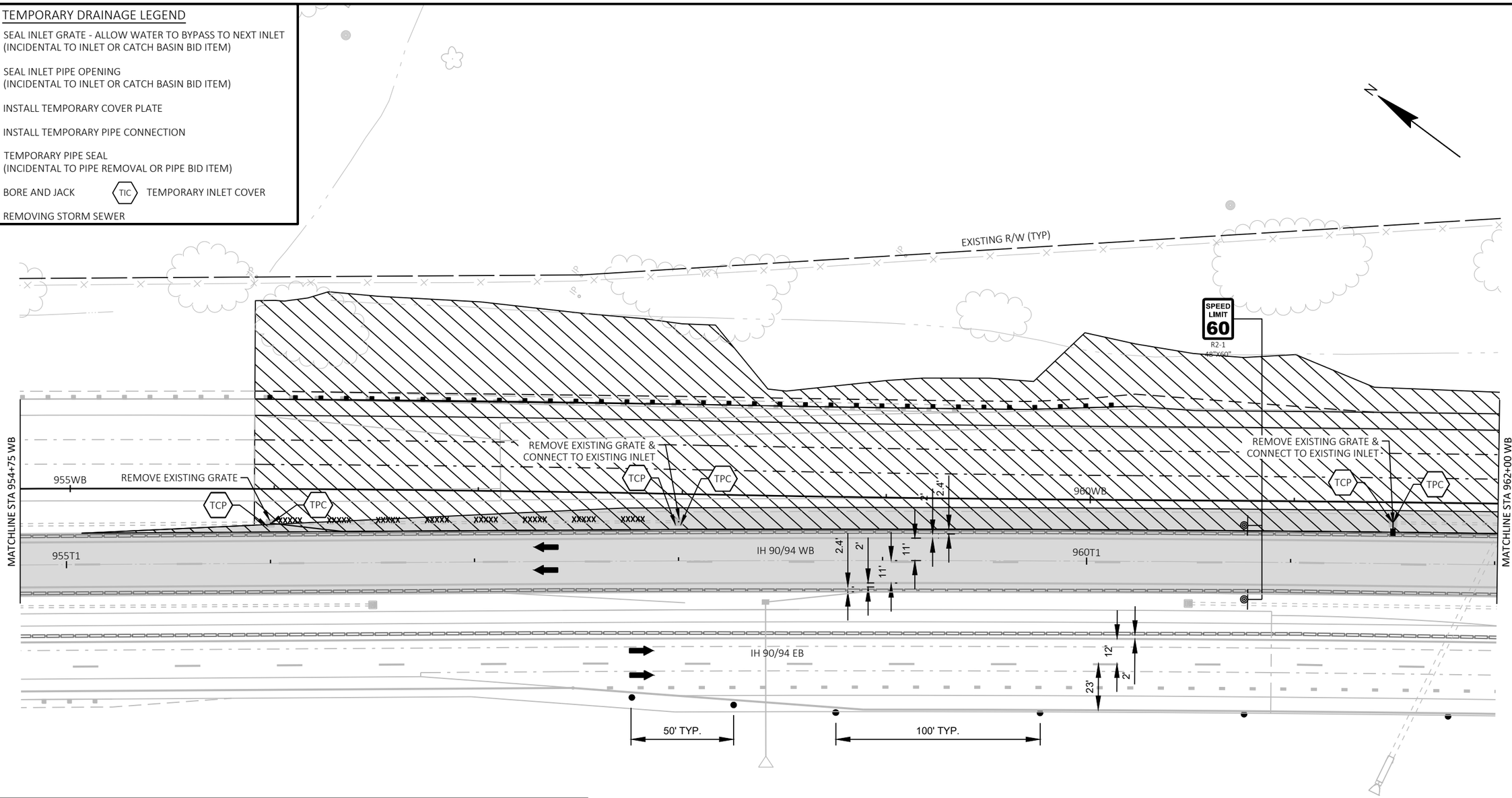
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 351	E

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LAYOUT NAME - 025103_tc
PLOT DATE : 11/18/2021 11:57 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

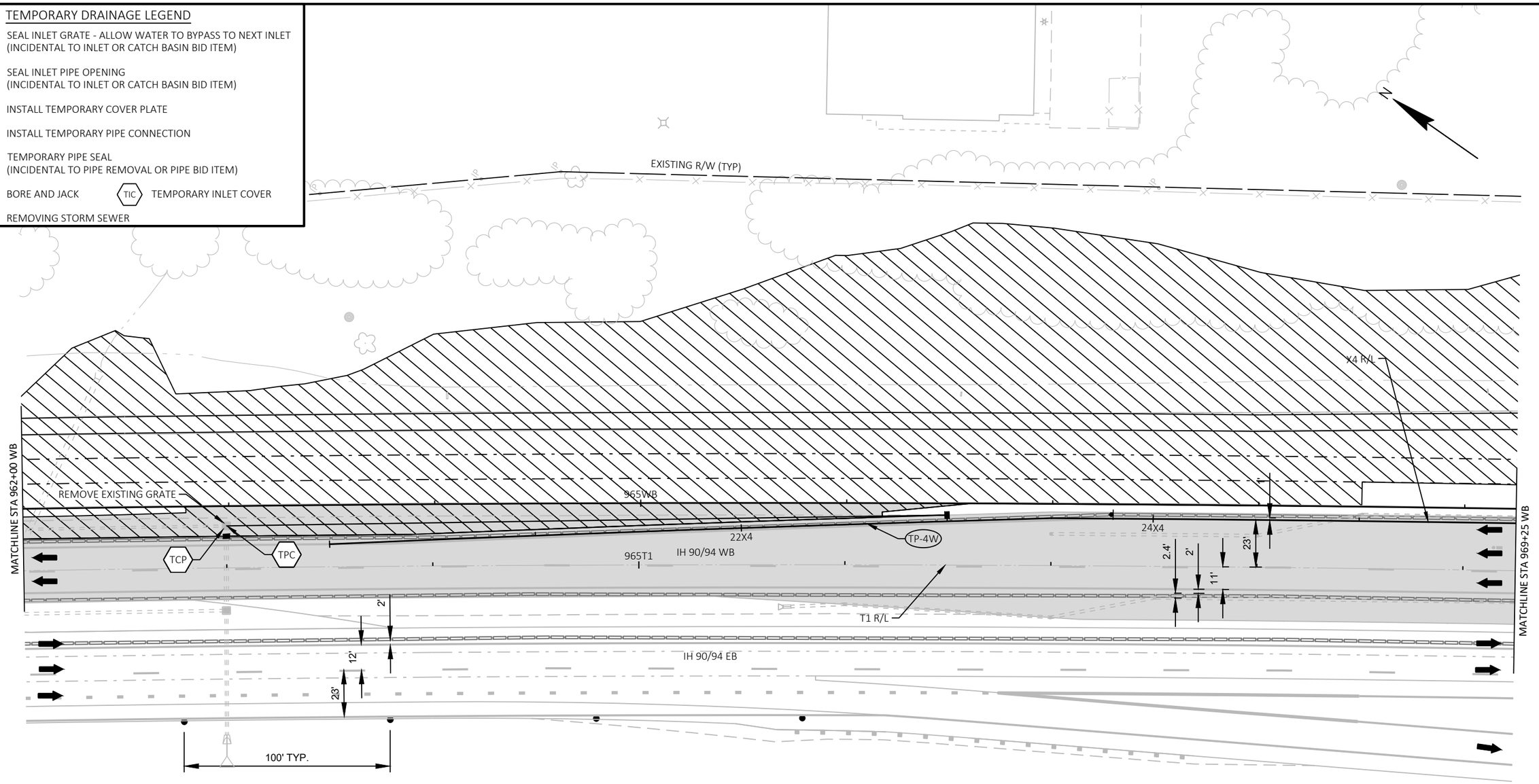
NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 352	E

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER



LEGEND

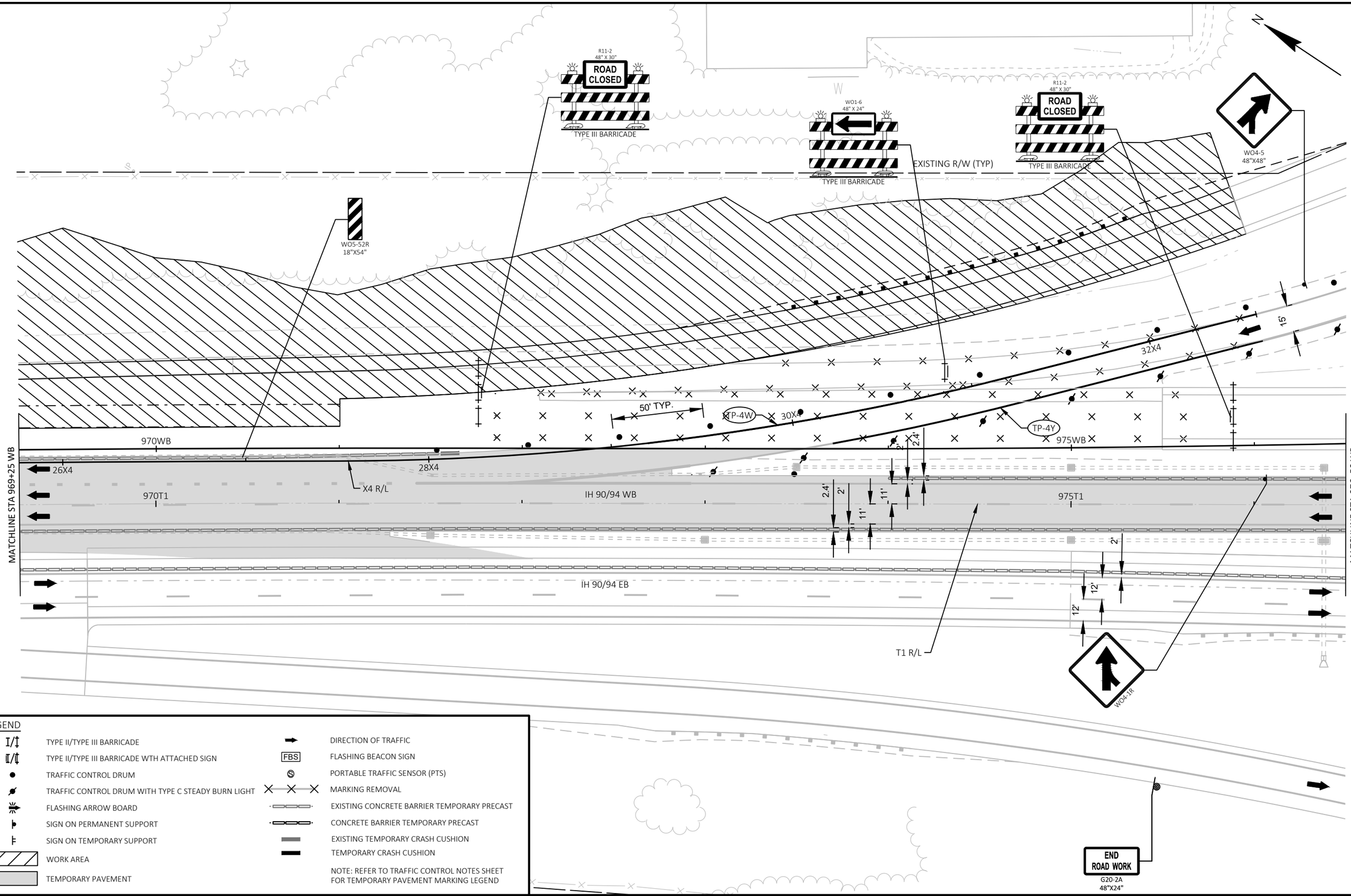
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 353	E

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PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

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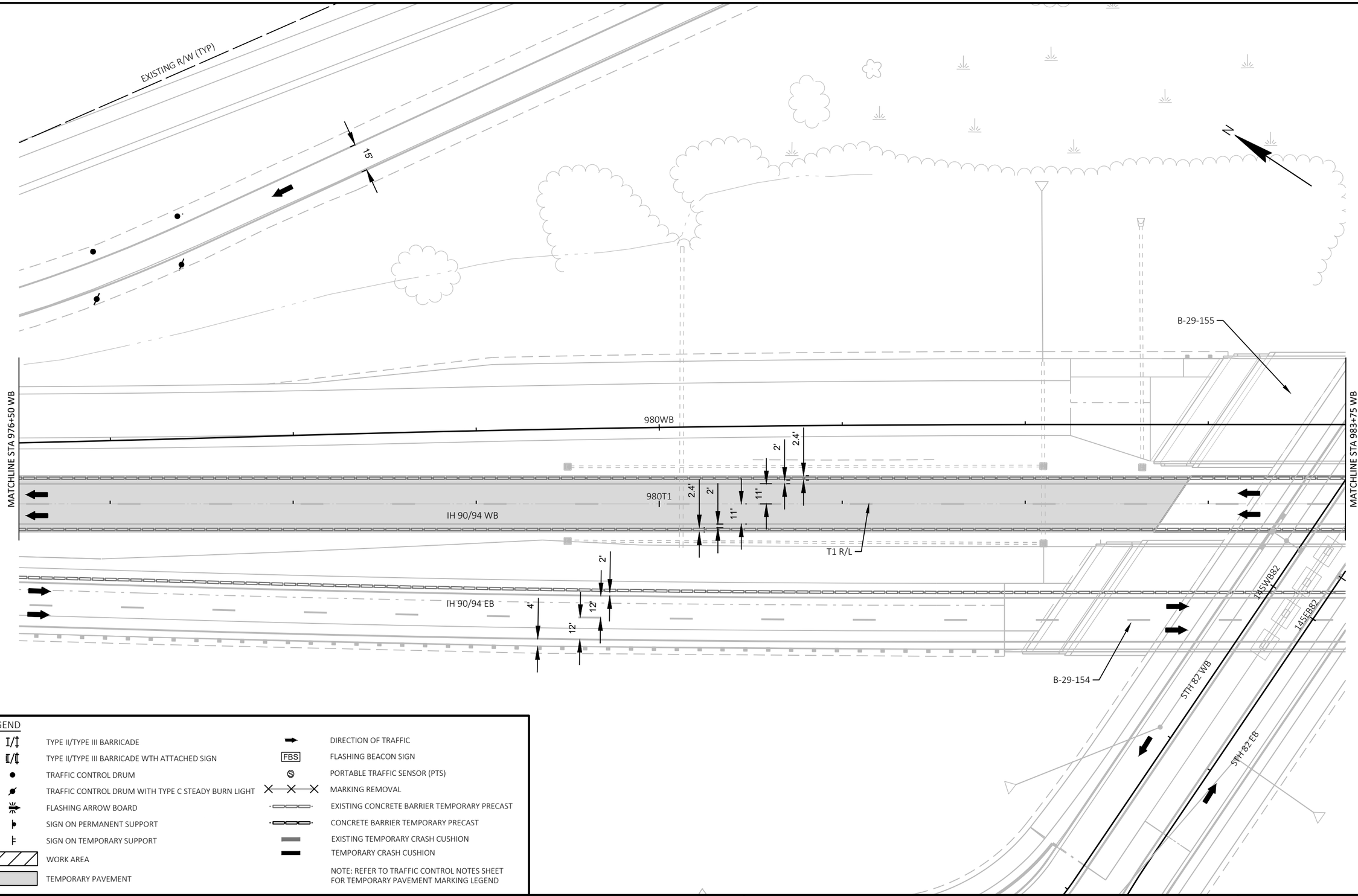


LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 354	E

2



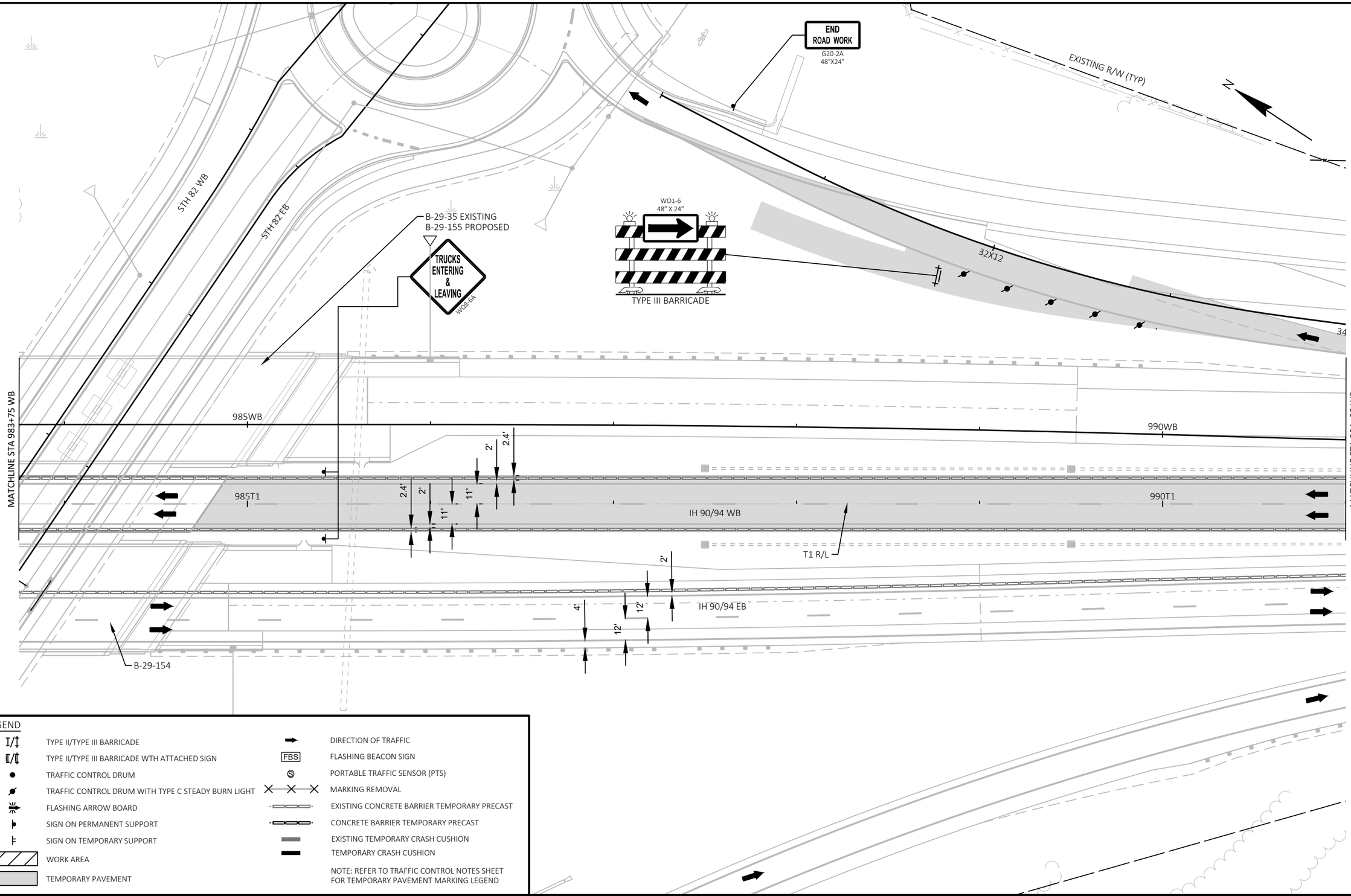
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 355	E

2

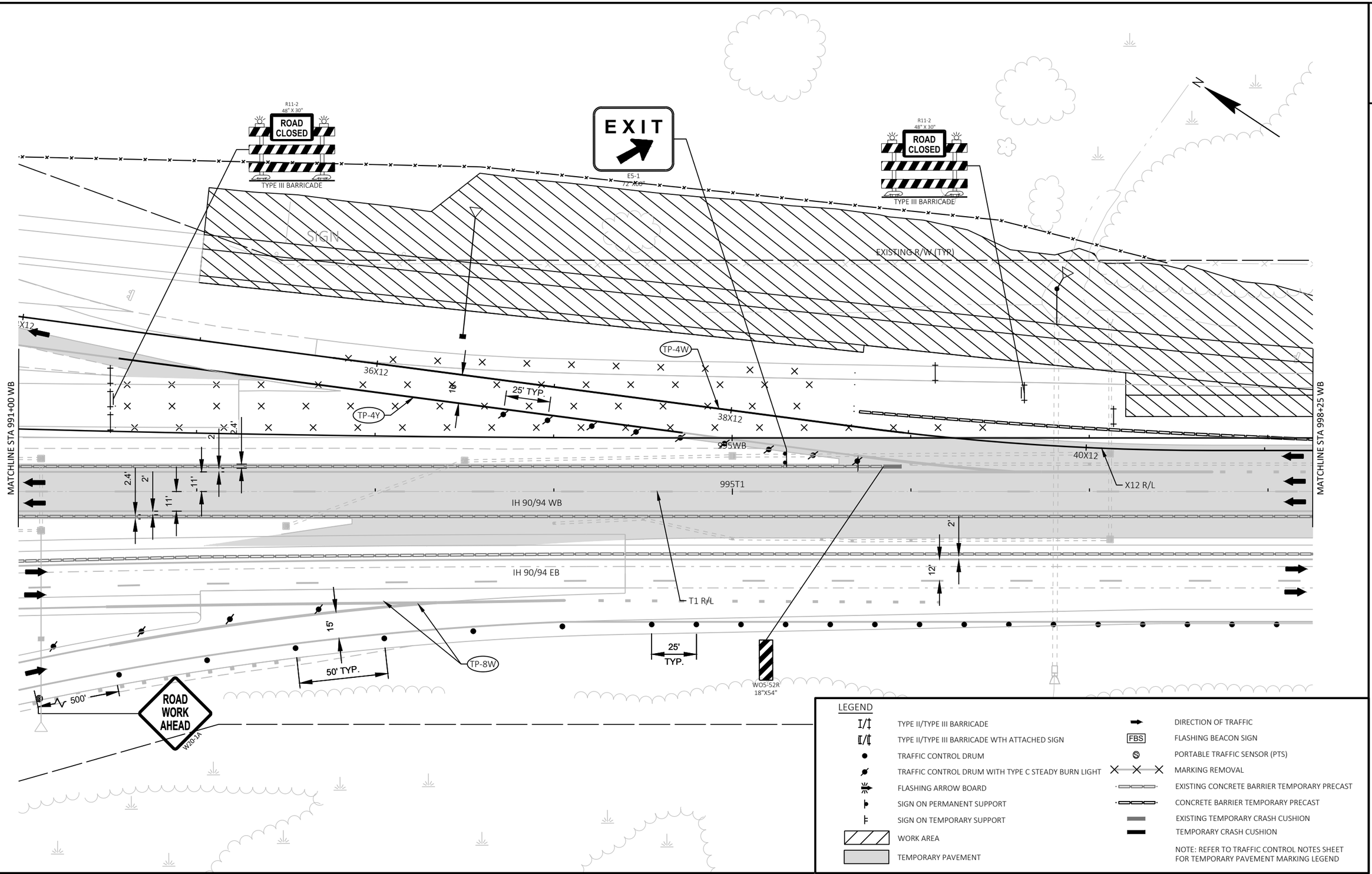


LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 356	E

2

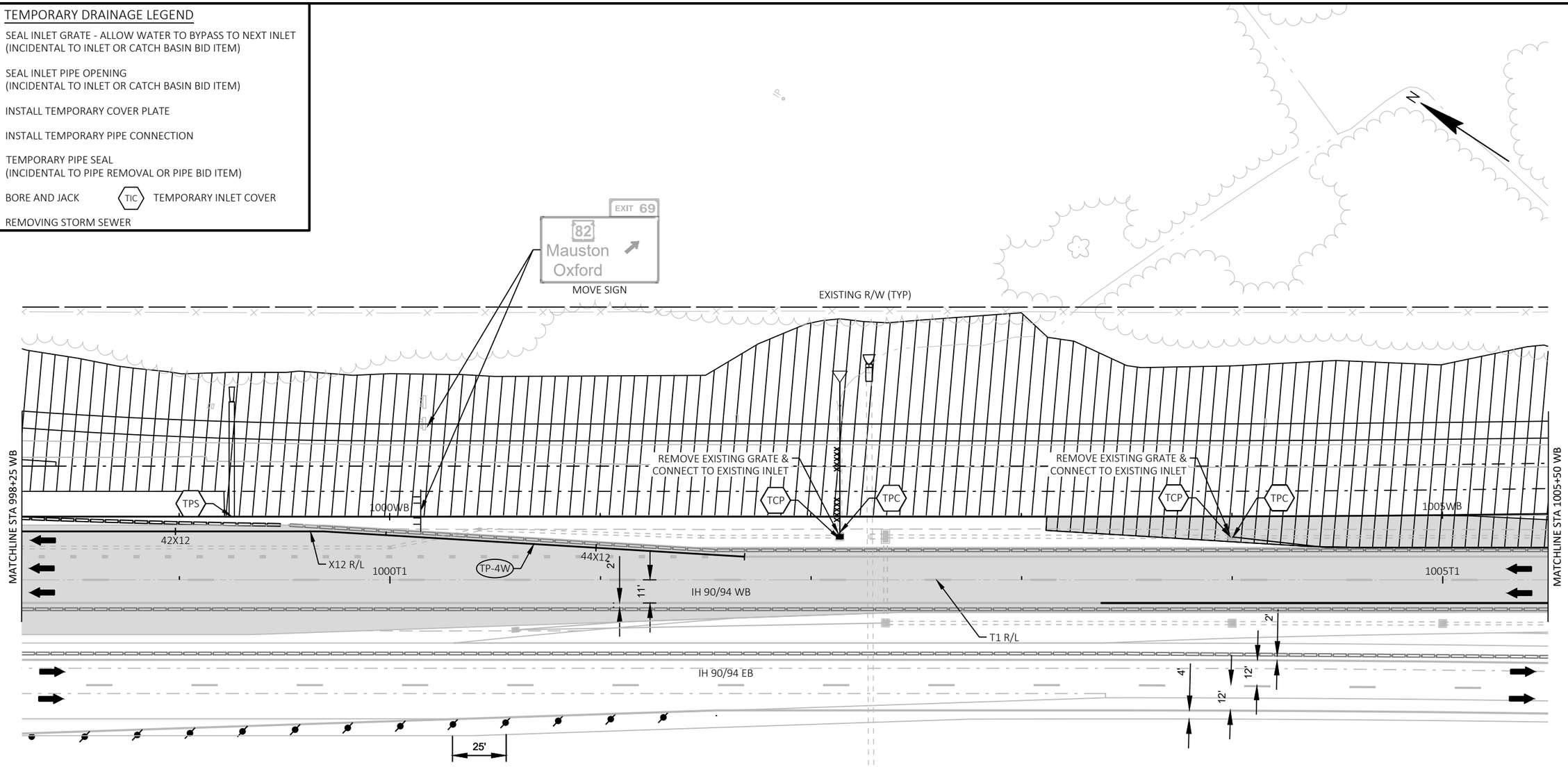


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 357	E

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 358	E

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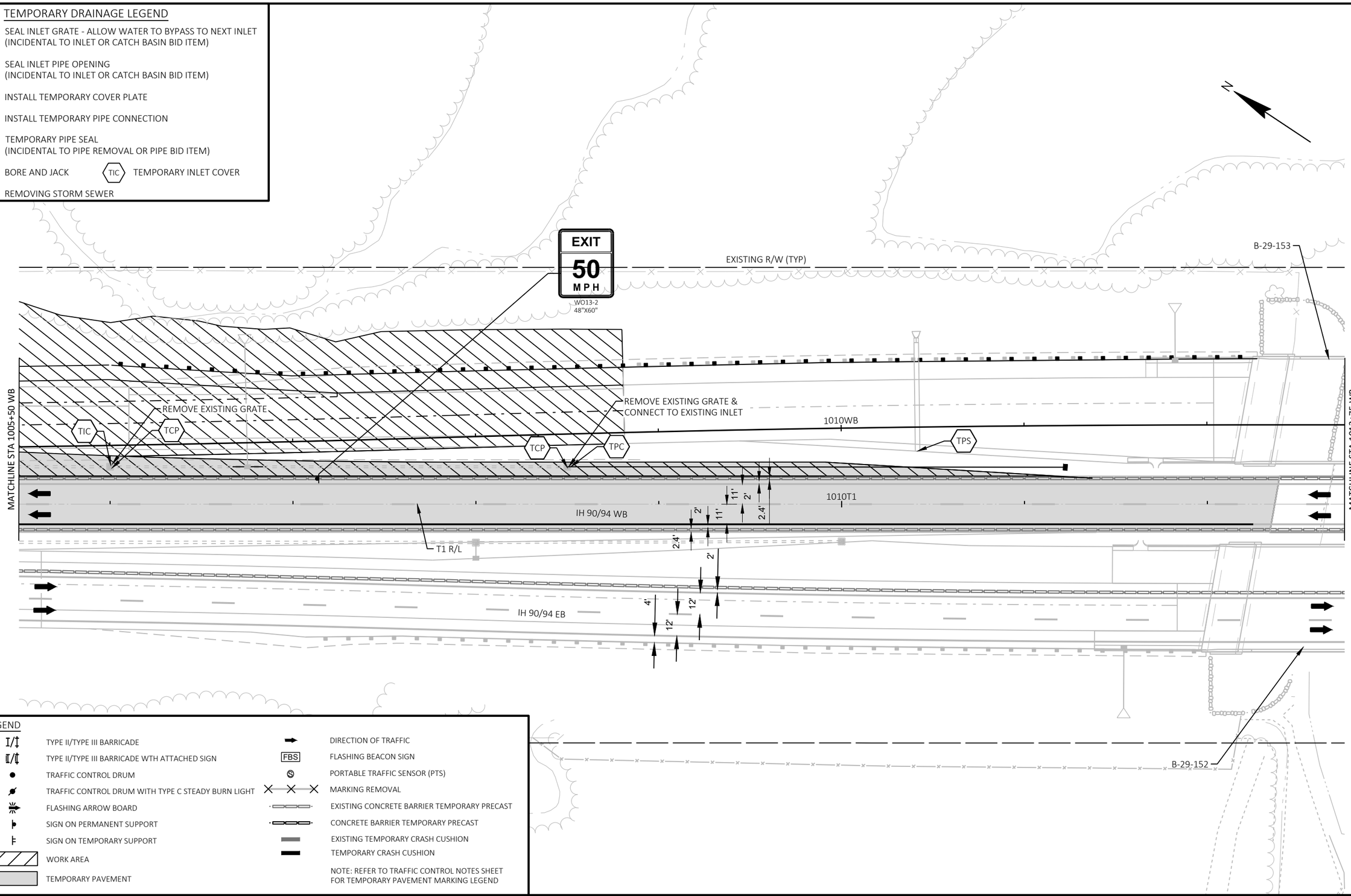
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WISDOT/CADDS SHEET 42

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

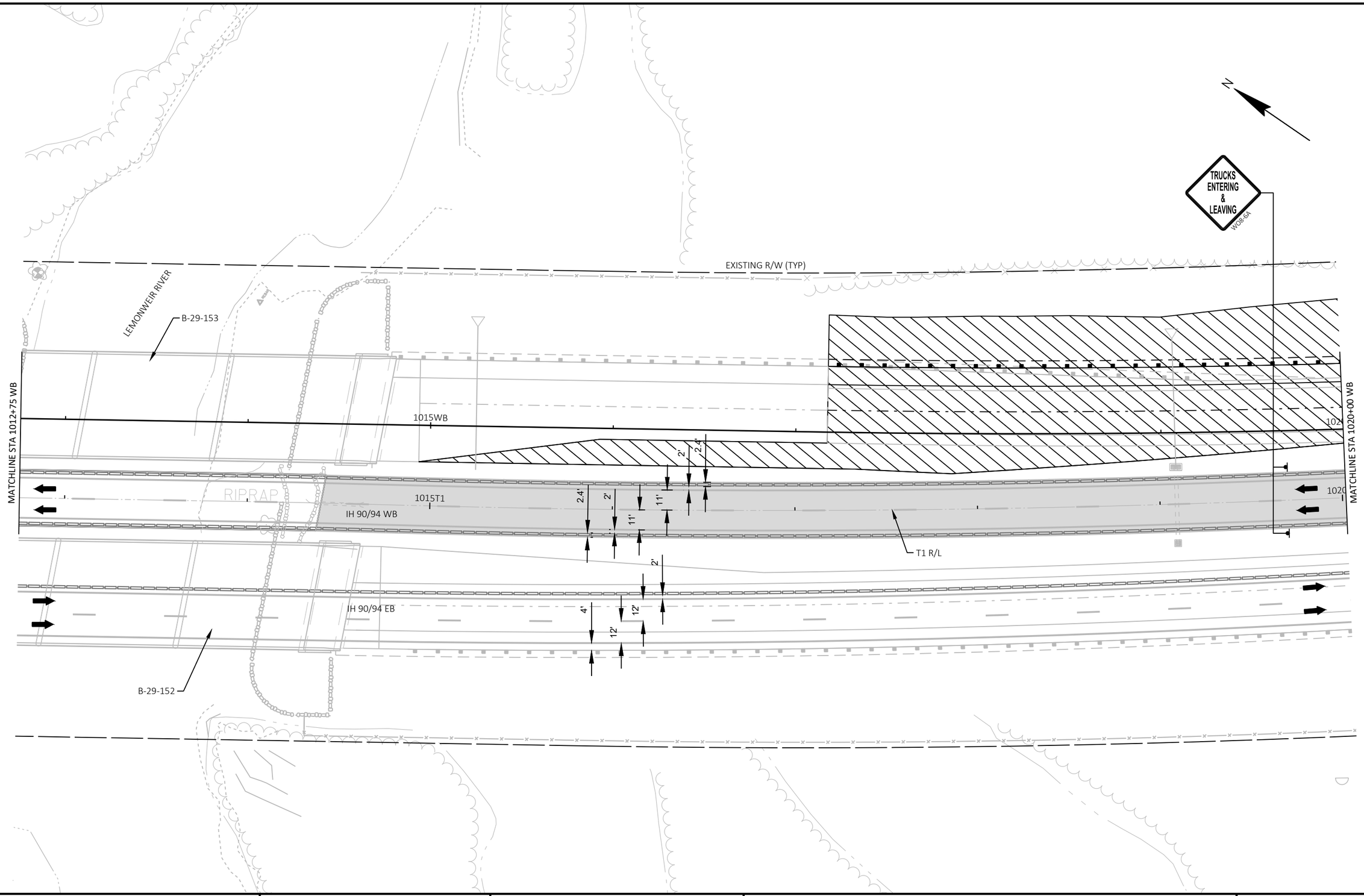
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 359	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025106_TC_S3B.DWG
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PLOT DATE : 10/25/2021 2:07 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 360	E

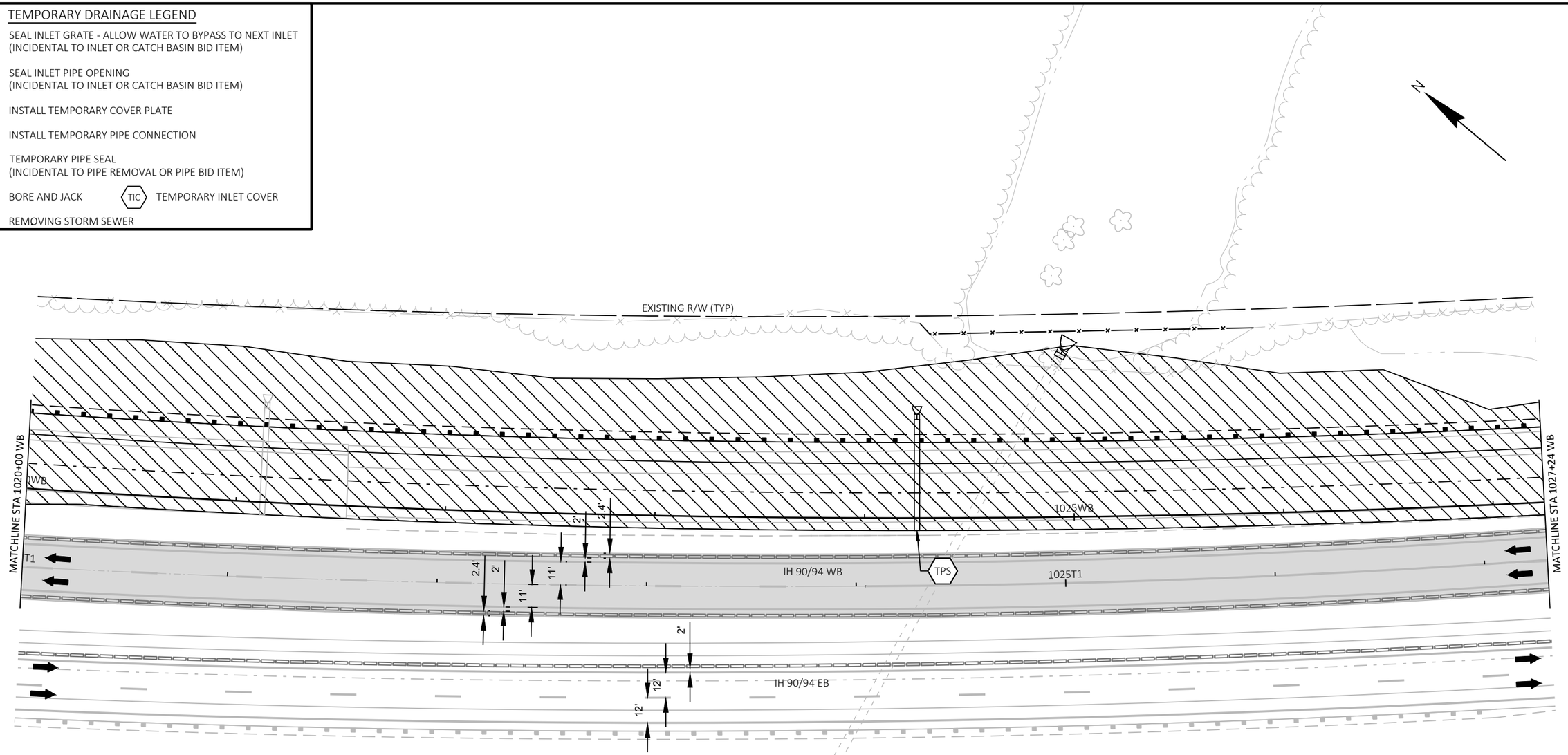
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LAYOUT NAME - 025112_tc

PLOT DATE : 10/25/2021 2:07 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

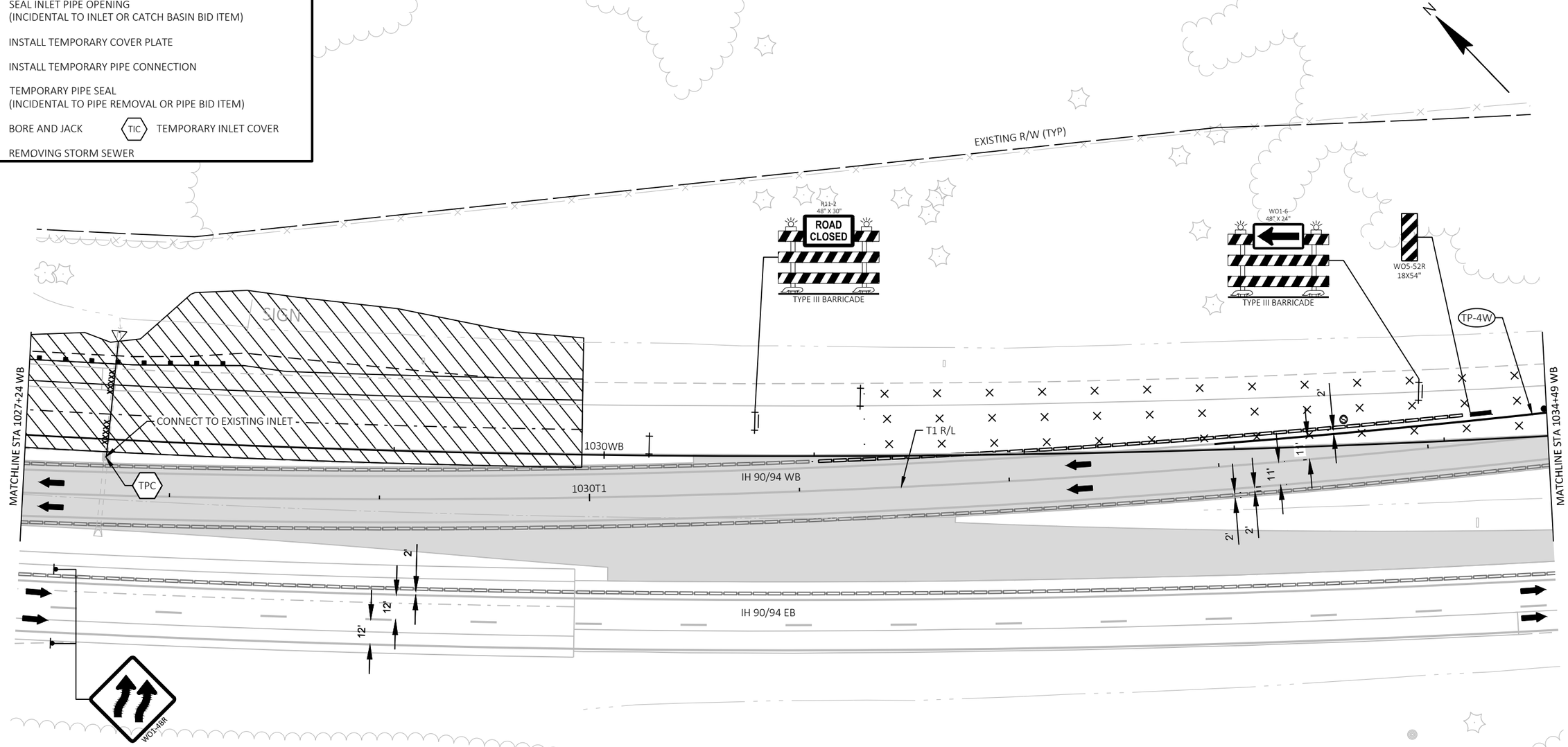
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 361	E

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- . XXXXX — REMOVING STORM SEWER

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.



LEGEND

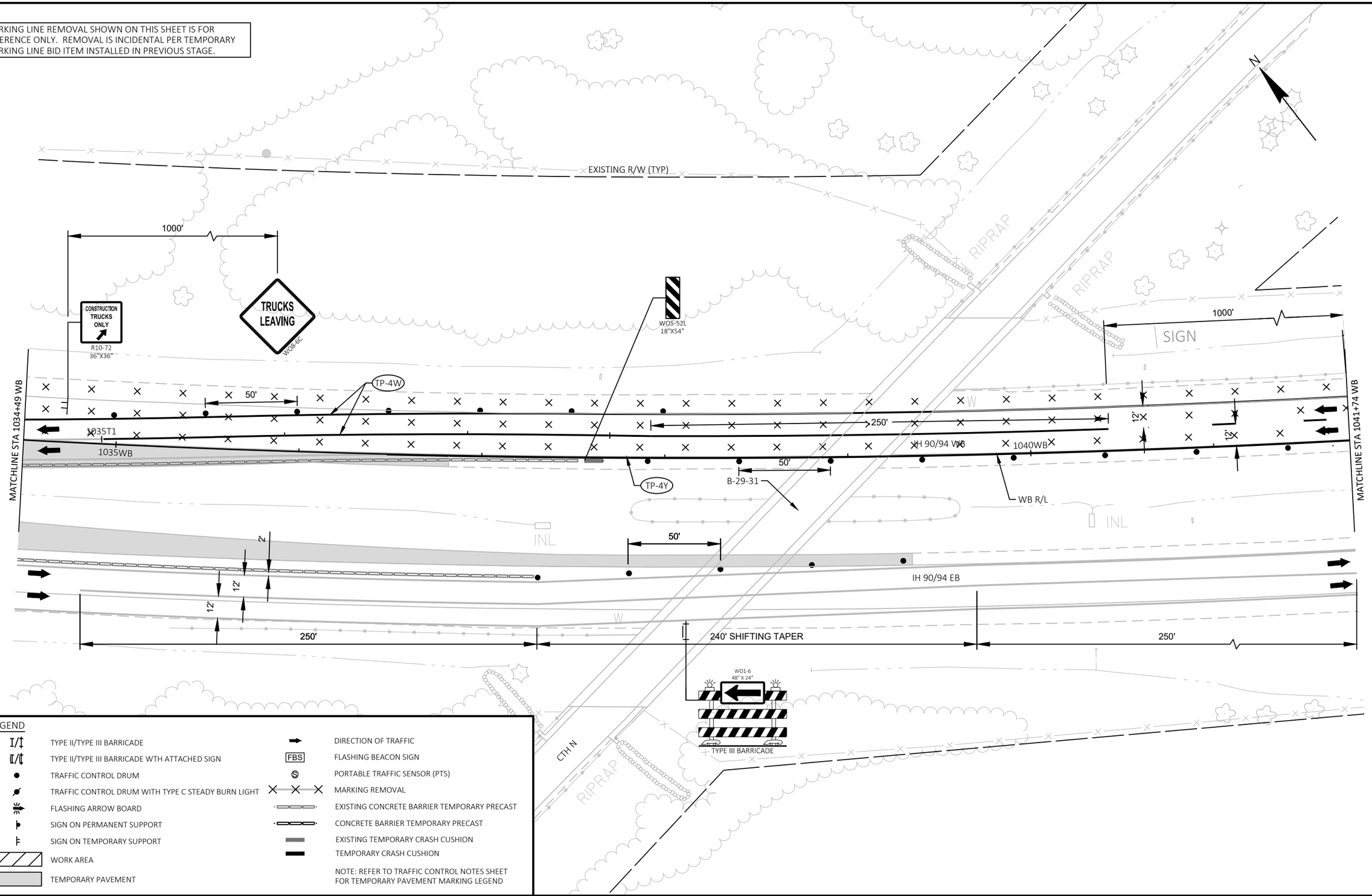
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 362	E

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.

2



LEGEND

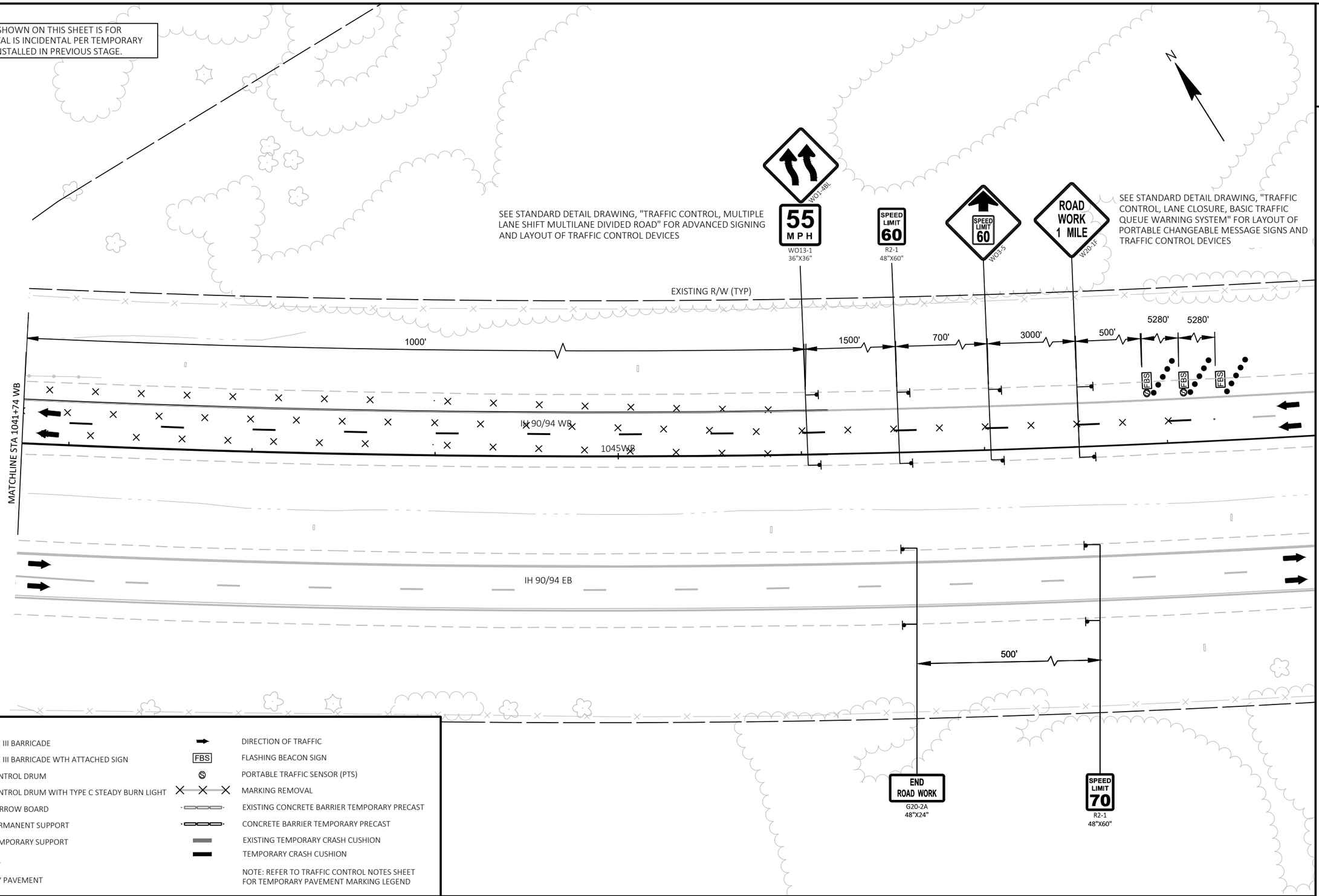
- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 363	E

2

MARKING LINE REMOVAL SHOWN ON THIS SHEET IS FOR REFERENCE ONLY. REMOVAL IS INCIDENTAL PER TEMPORARY MARKING LINE BID ITEM INSTALLED IN PREVIOUS STAGE.



LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3B	SHEET 364	E

2

STAGE 3C DESCRIPTION:

TRAFFIC ON IH-90/94 WESTBOUND WILL REMAIN ON THE NEW TEMPORARY PAVEMENT AND BRIDGES IN THE MEDIAN WITH CONNECTIONS TO THE NEW I-90/94 WESTBOUND EXIT AND ENTRANCE RAMPS AT THE WIS 82 INTERCHANGE. UTILIZE TEMPORARY CONCRETE BARRIER BETWEEN TRAFFIC AND THE WORK ZONE WHEN THE PROPOSED WORK IS WITHIN THE CLEAR ZONE LIMITS. TRAFFIC ON I-90/94 EASTBOUND WILL BE TRAVELING ON THE NEW PAVEMENT.

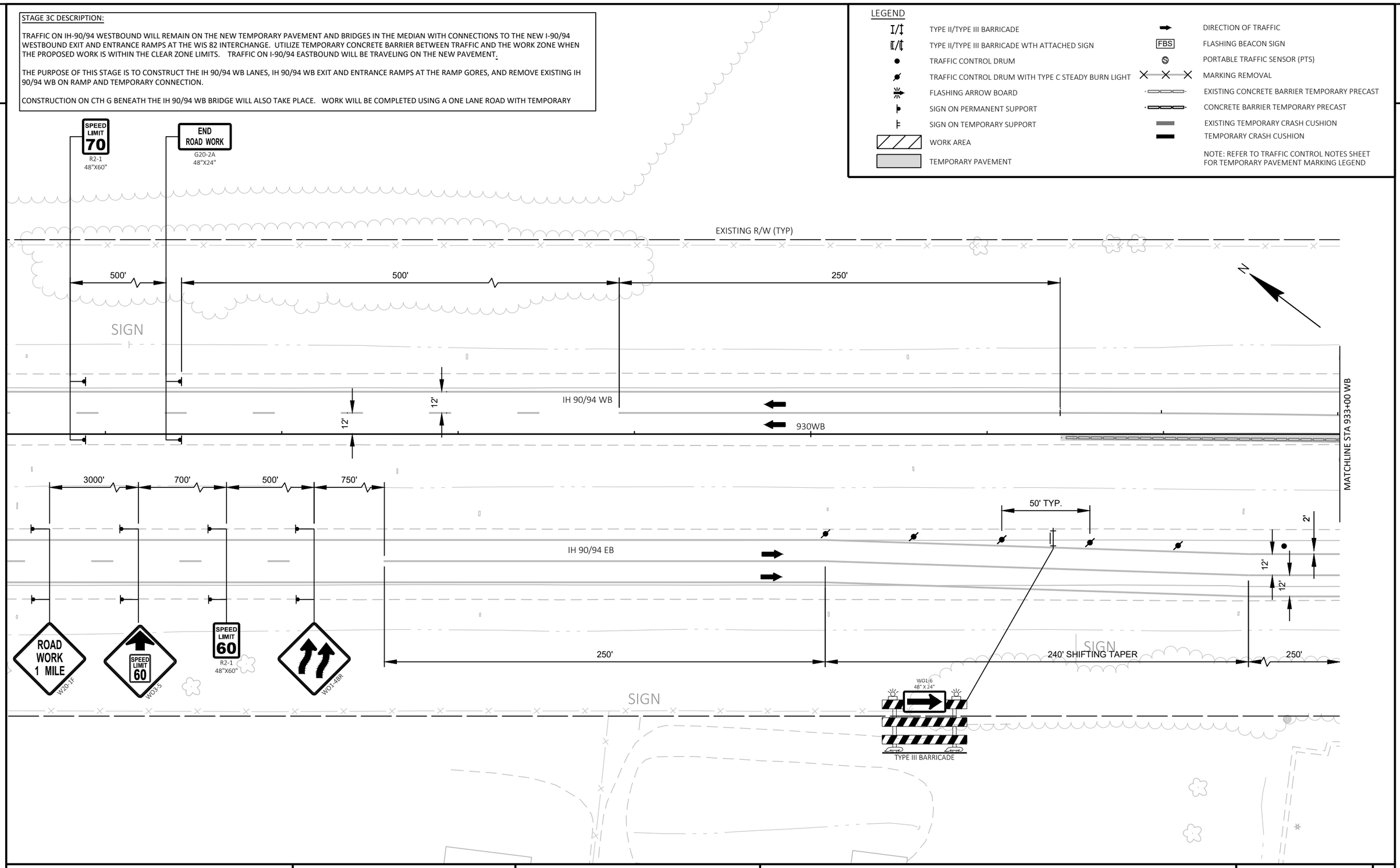
THE PURPOSE OF THIS STAGE IS TO CONSTRUCT THE IH 90/94 WB LANES, IH 90/94 WB EXIT AND ENTRANCE RAMPS AT THE RAMP GORES, AND REMOVE EXISTING IH 90/94 WB ON RAMP AND TEMPORARY CONNECTION.

CONSTRUCTION ON CTH G BENEATH THE IH 90/94 WB BRIDGE WILL ALSO TAKE PLACE. WORK WILL BE COMPLETED USING A ONE LANE ROAD WITH TEMPORARY

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



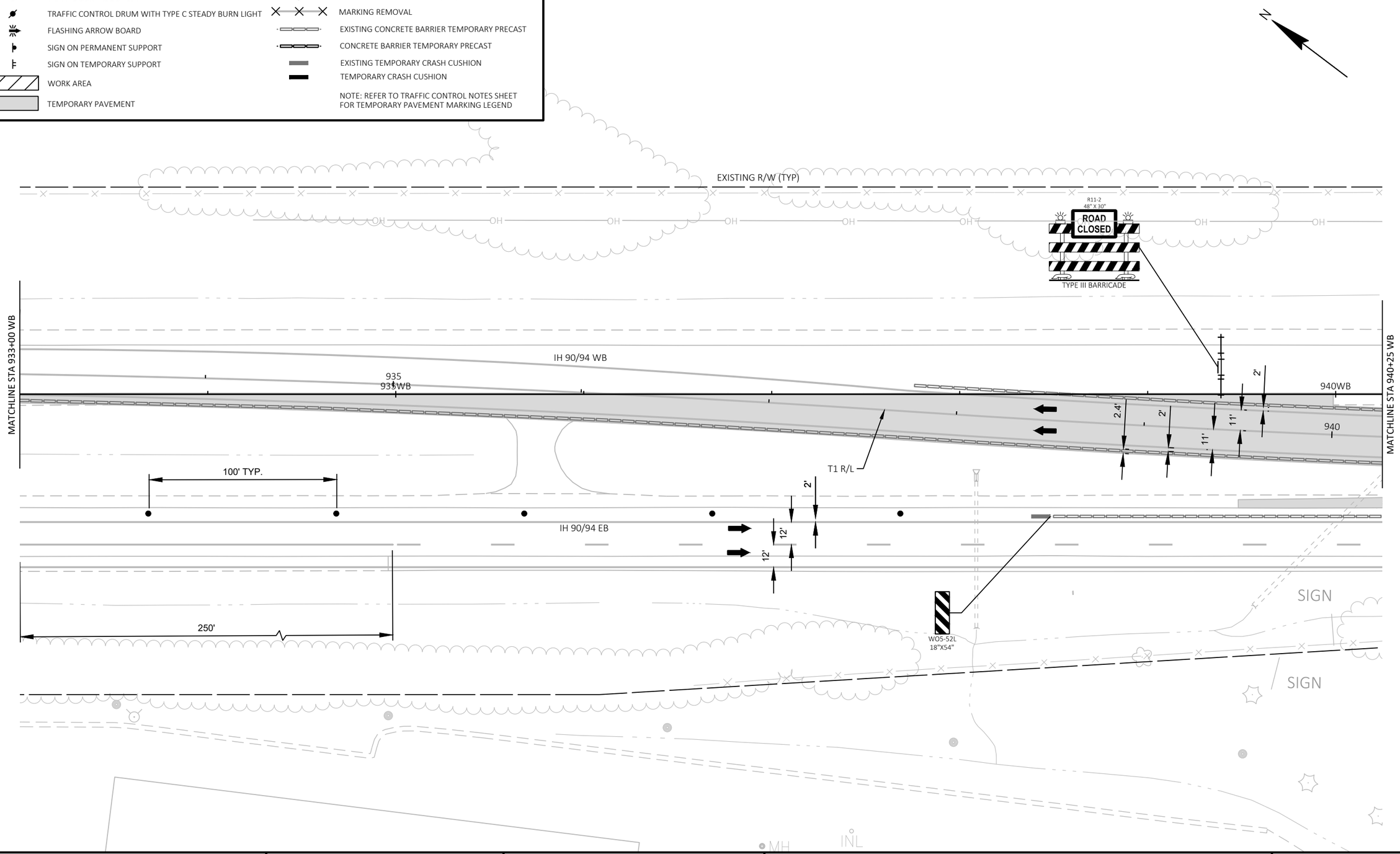
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 365	E

2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 366	E

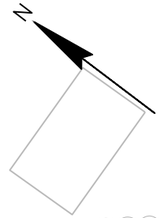
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LAYOUT NAME - 025101_tc

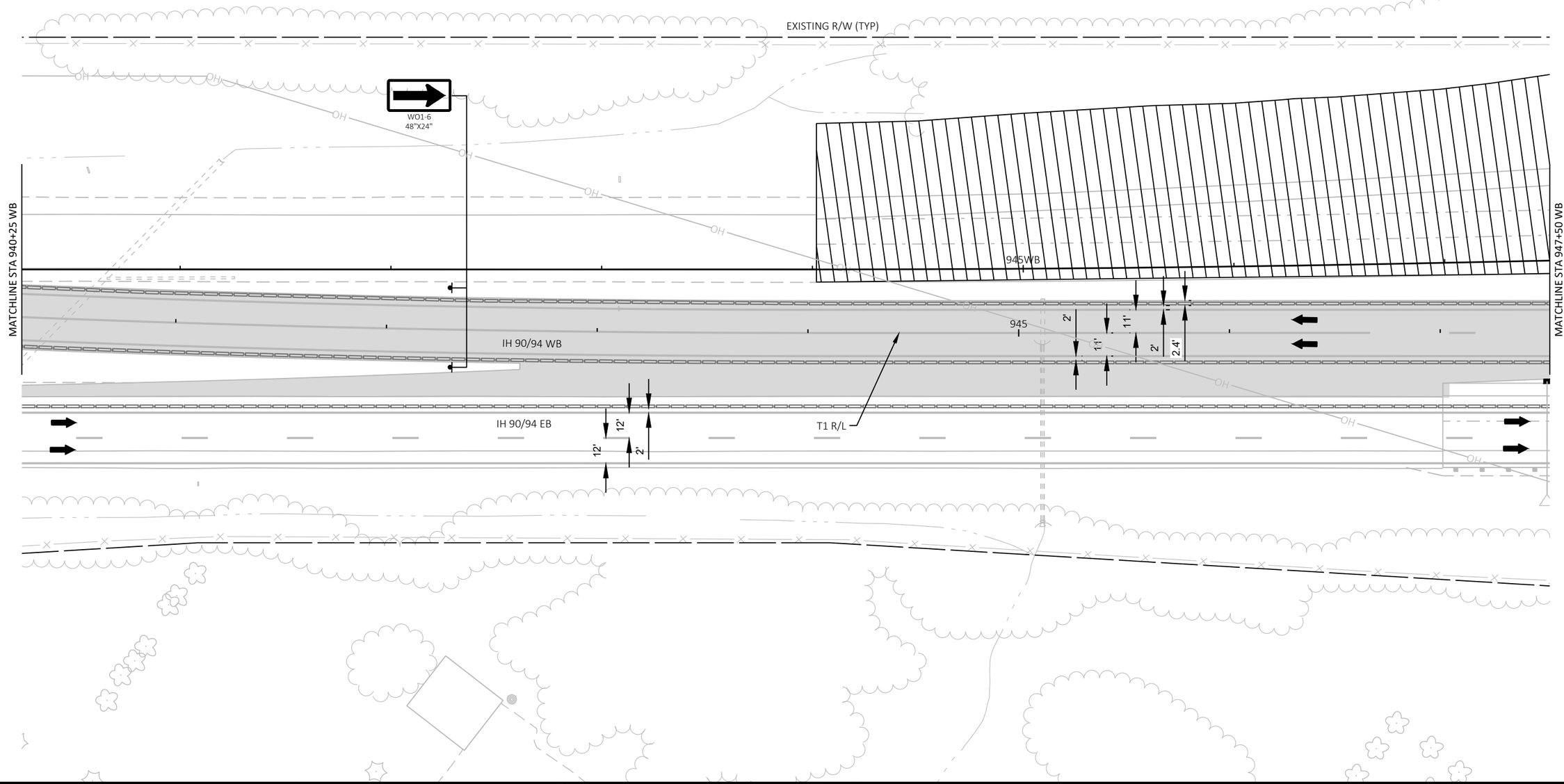
PLOT DATE : 10/21/2021 1:38 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 367	E

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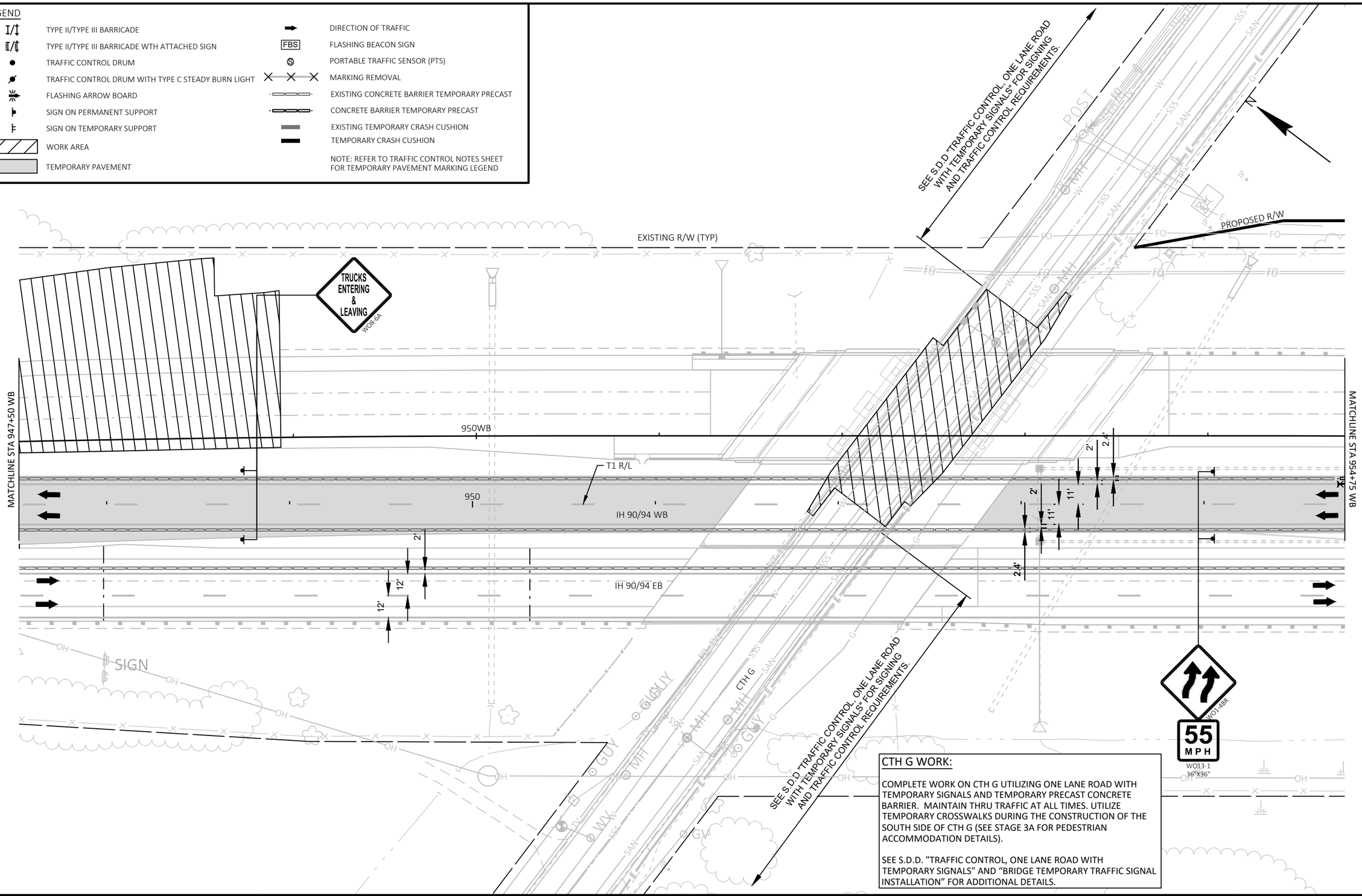
PLOT DATE : 10/21/2021 1:38 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



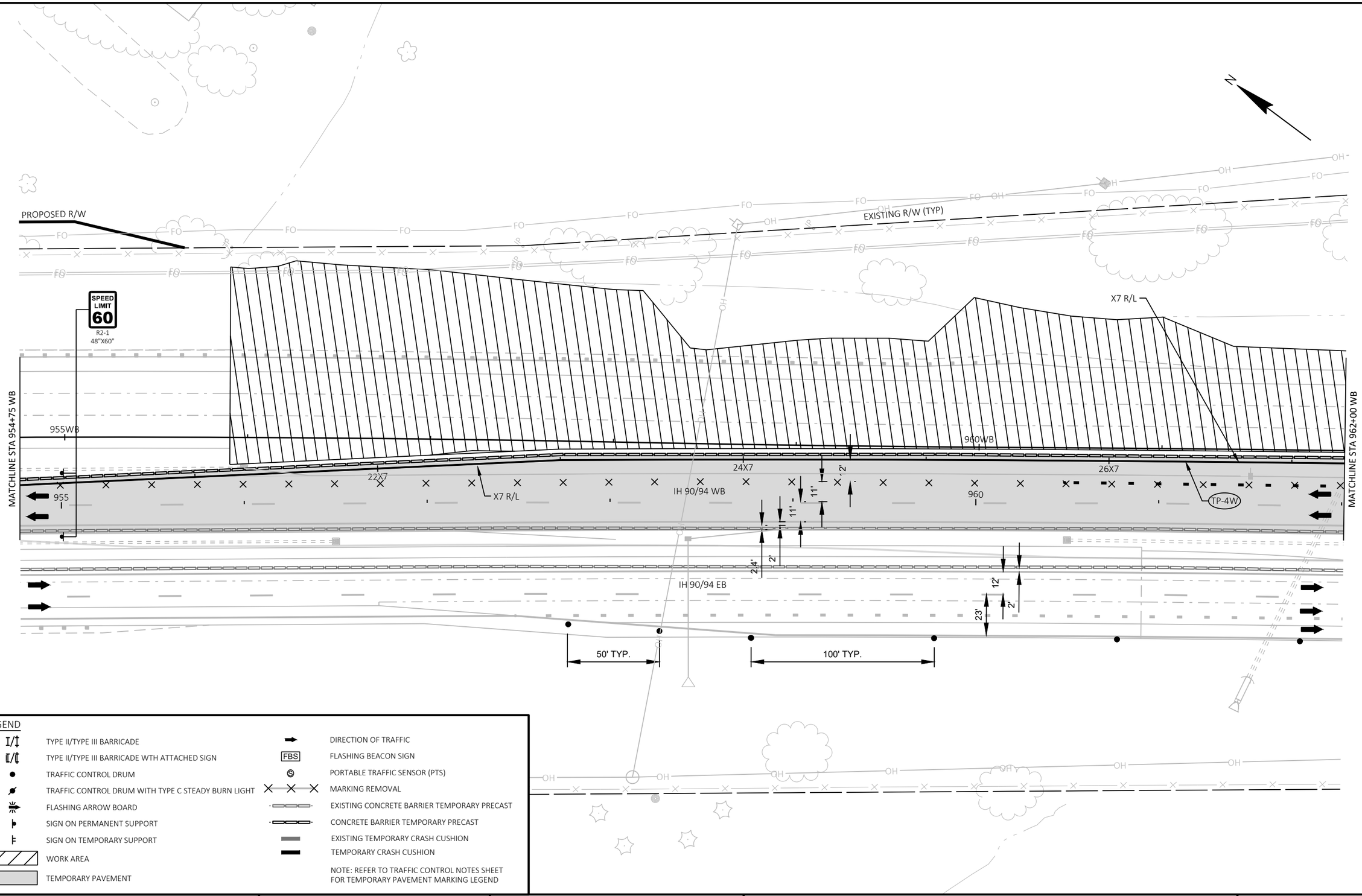
CTH G WORK:

COMPLETE WORK ON CTH G UTILIZING ONE LANE ROAD WITH TEMPORARY SIGNALS AND TEMPORARY PRECAST CONCRETE BARRIER. MAINTAIN THRU TRAFFIC AT ALL TIMES. UTILIZE TEMPORARY CROSSWALKS DURING THE CONSTRUCTION OF THE SOUTH SIDE OF CTH G (SEE STAGE 3A FOR PEDESTRIAN ACCOMMODATION DETAILS).

SEE S.D.D. "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS" AND "BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION" FOR ADDITIONAL DETAILS.

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 368	E

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

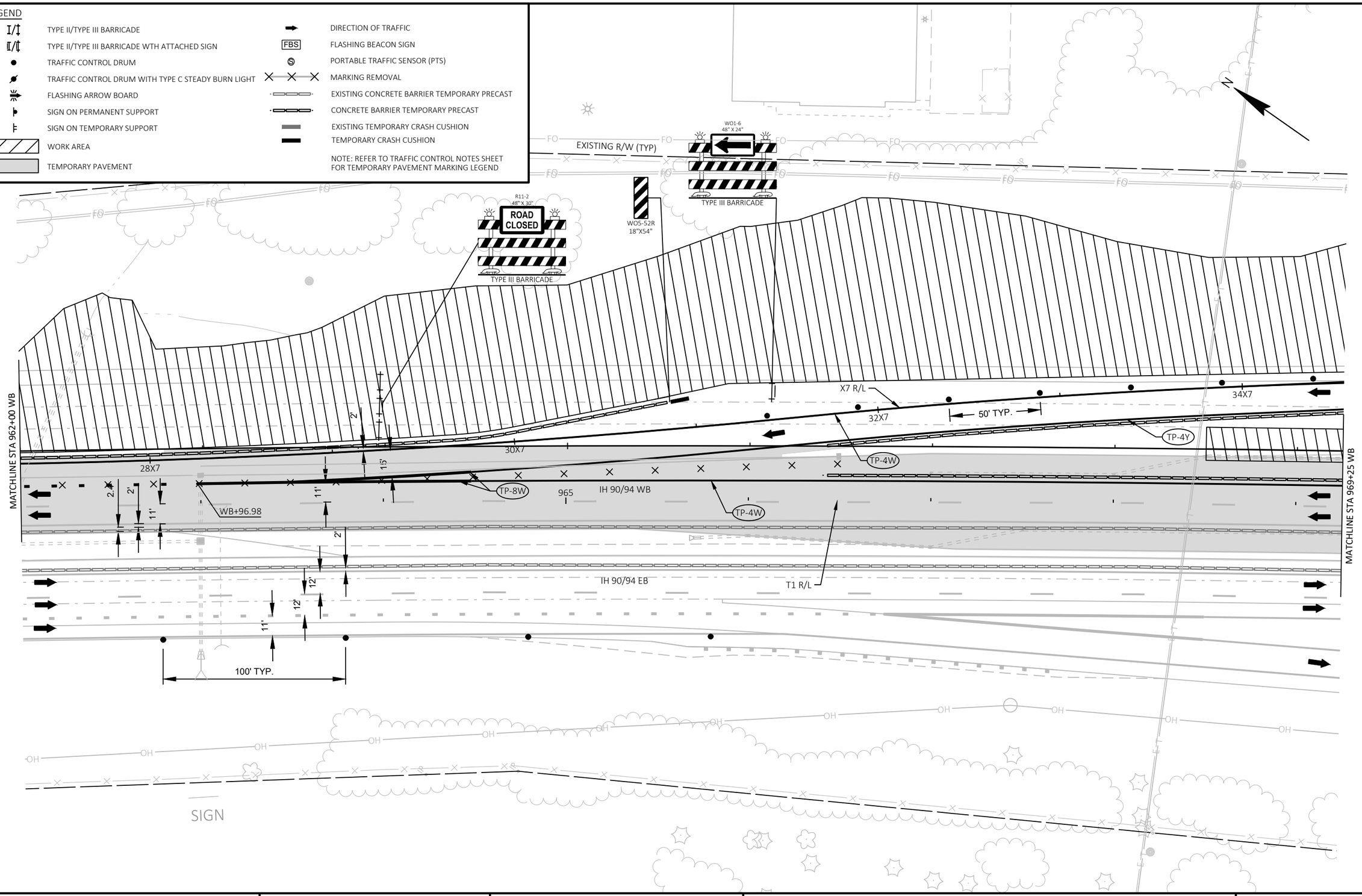
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 369	E

2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



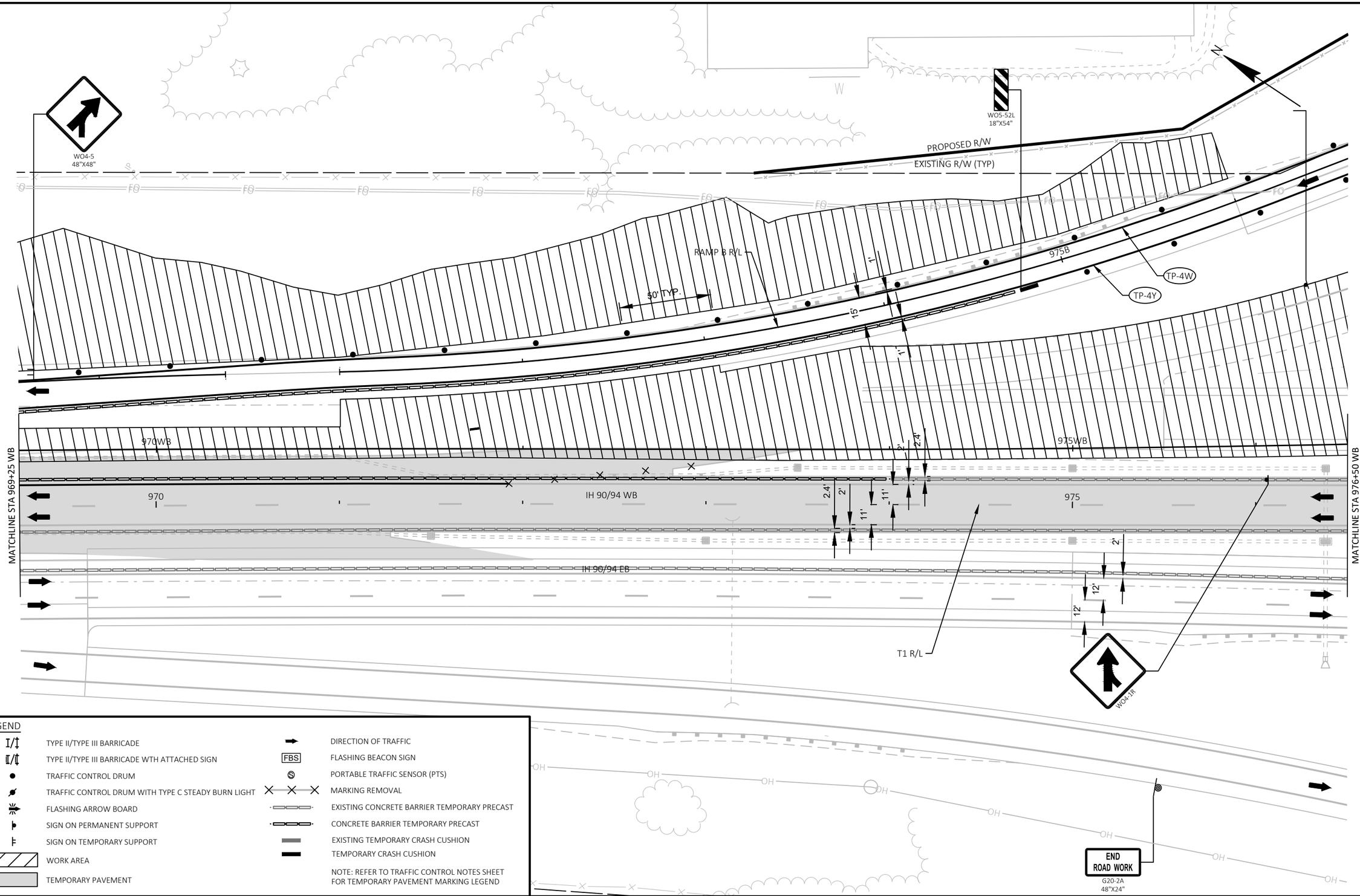
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 370	E

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LAYOUT NAME - 025105_tc

PLOT DATE : 10/21/2021 1:39 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



LEGEND

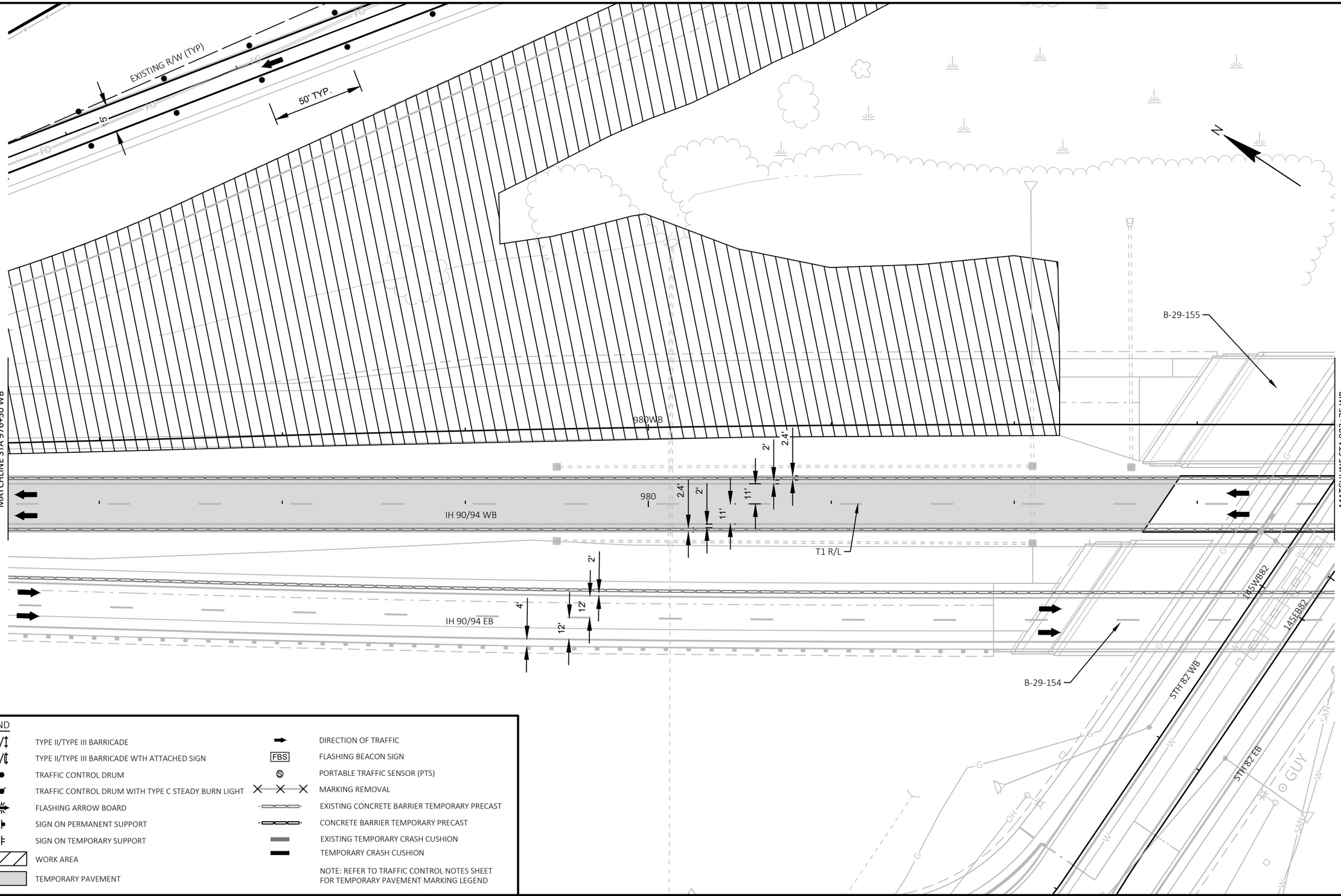
I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	S	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 371	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025107_TC_S3C.DWG
LAYOUT NAME - 025106_tc

PLOT DATE : 10/21/2021 1:39 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 372	E

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

END ROAD WORK
G20-2A
48"X24"

EXISTING R/W (TYP)

TP-4W

50'
TYP.

TP-4Y

TRUCKS ENTERING & LEAVING
W08-6A

STH 82 WB

STH 82 EB

B-29-155

985WB

990WB

MATCHLINE STA 983+75 WB

MATCHLINE STA 991+00 WB

985

990

2.4'
2'
11'
11'
2'
2.4'

IH 90/94 WB

T1 R/L

2'
4'
12'
12'

IH 90/94 EB

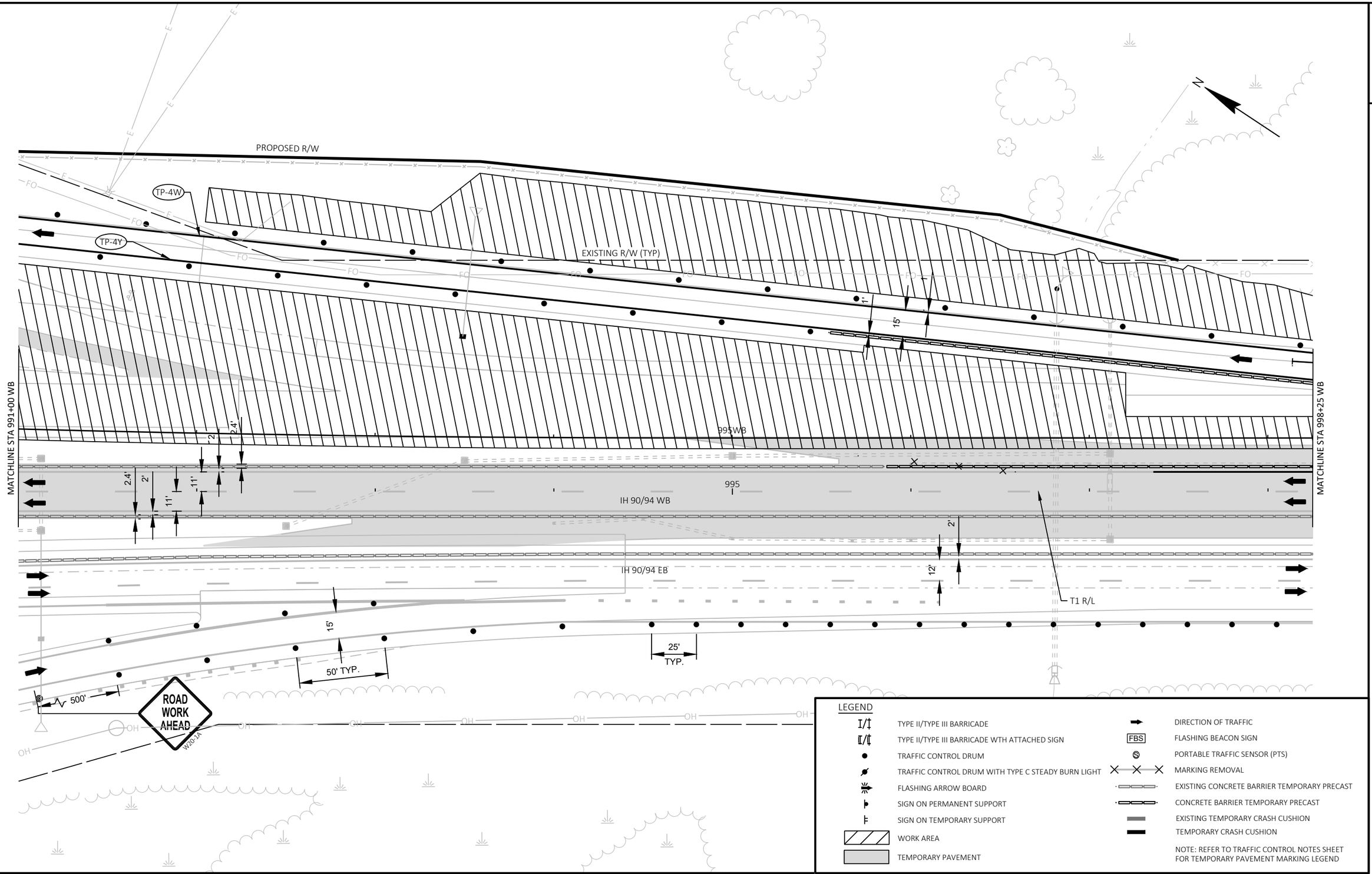
B-29-154

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 373	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025107_TC_S3C.DWG
LAYOUT NAME - 025108_tc

PLOT DATE : 10/21/2021 1:39 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 374	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025107_TC_S3C.DWG
LAYOUT NAME - 025109_tc
PLOT DATE : 10/21/2021 1:39 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

N

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

EXISTING R/W (TYP)

W05-52L
18X54"

50' TYP.

32X8

X8 R/L

TP-4W

50'
TYP.

34X8

TP-4Y

1000WB

36X8

1005WB

MATCHLINE STA 998+25 WB

1000

IH 90/94 WB

2'

11'

11'

TP-4W

1005

TP-8W

MATCHLINE STA 1005+50 WB

IH 90/94 EB

T1 R/L

2'

4'

12'

12'

25'

W05-52R
18X54"

EXIT

E5-1
72"X60"

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 375	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025107_TC_S3C.DWG
LAYOUT NAME - 025110_tc

PLOT DATE : 10/21/2021 1:39 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

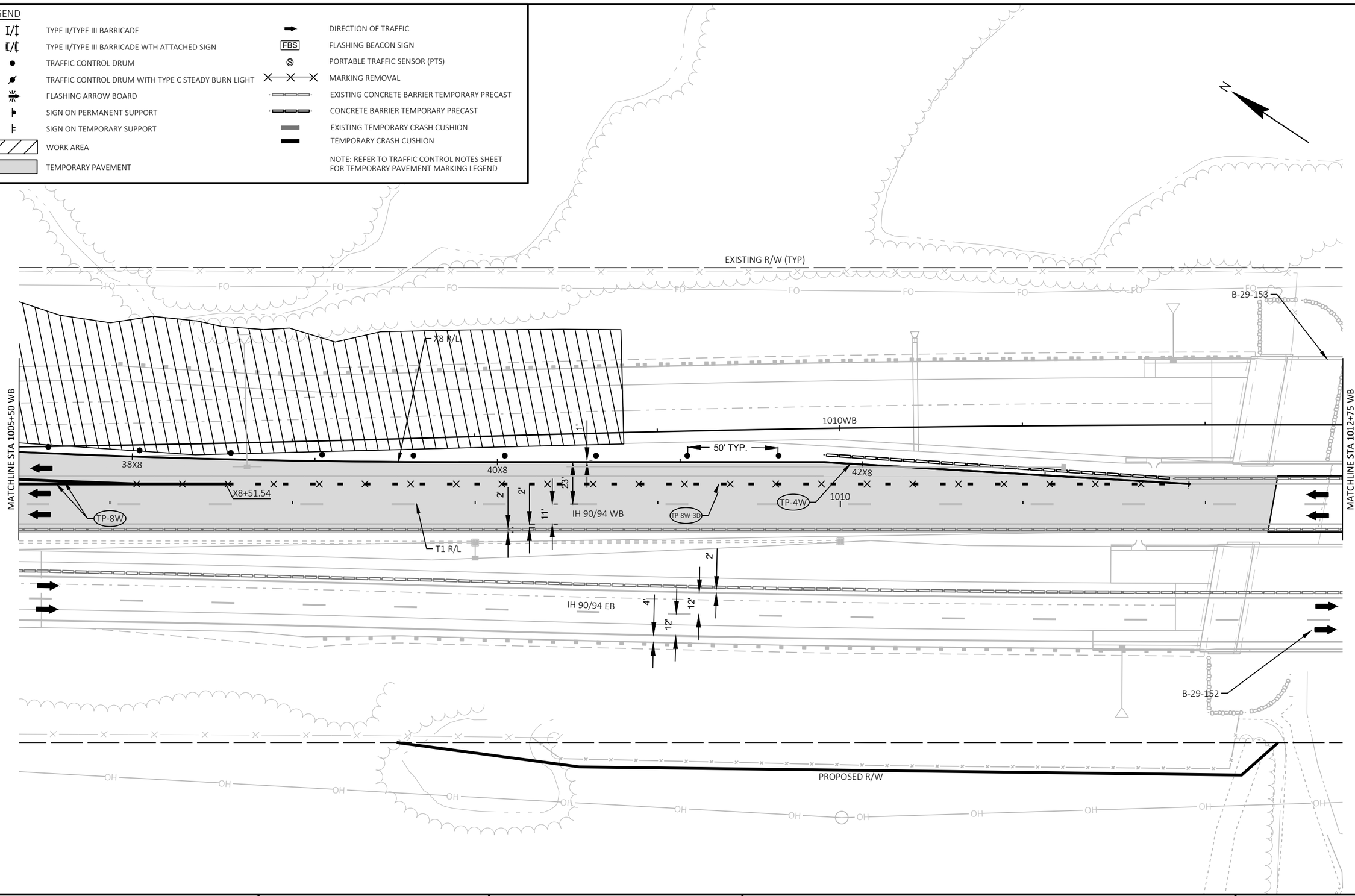
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



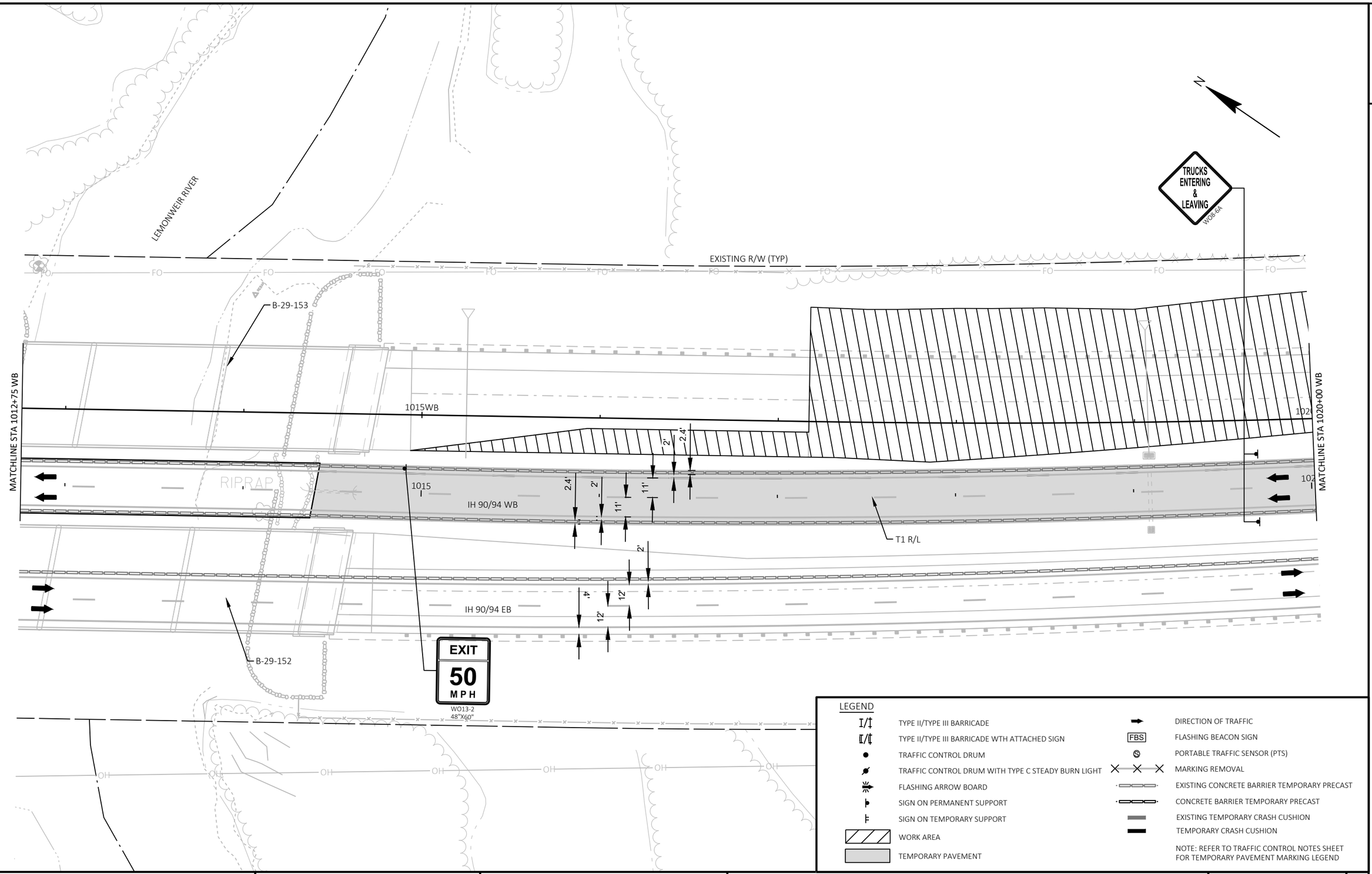
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 376	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025107_TC_S3C.DWG
LAYOUT NAME - 025111_tc

PLOT DATE : 10/21/2021 1:39 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

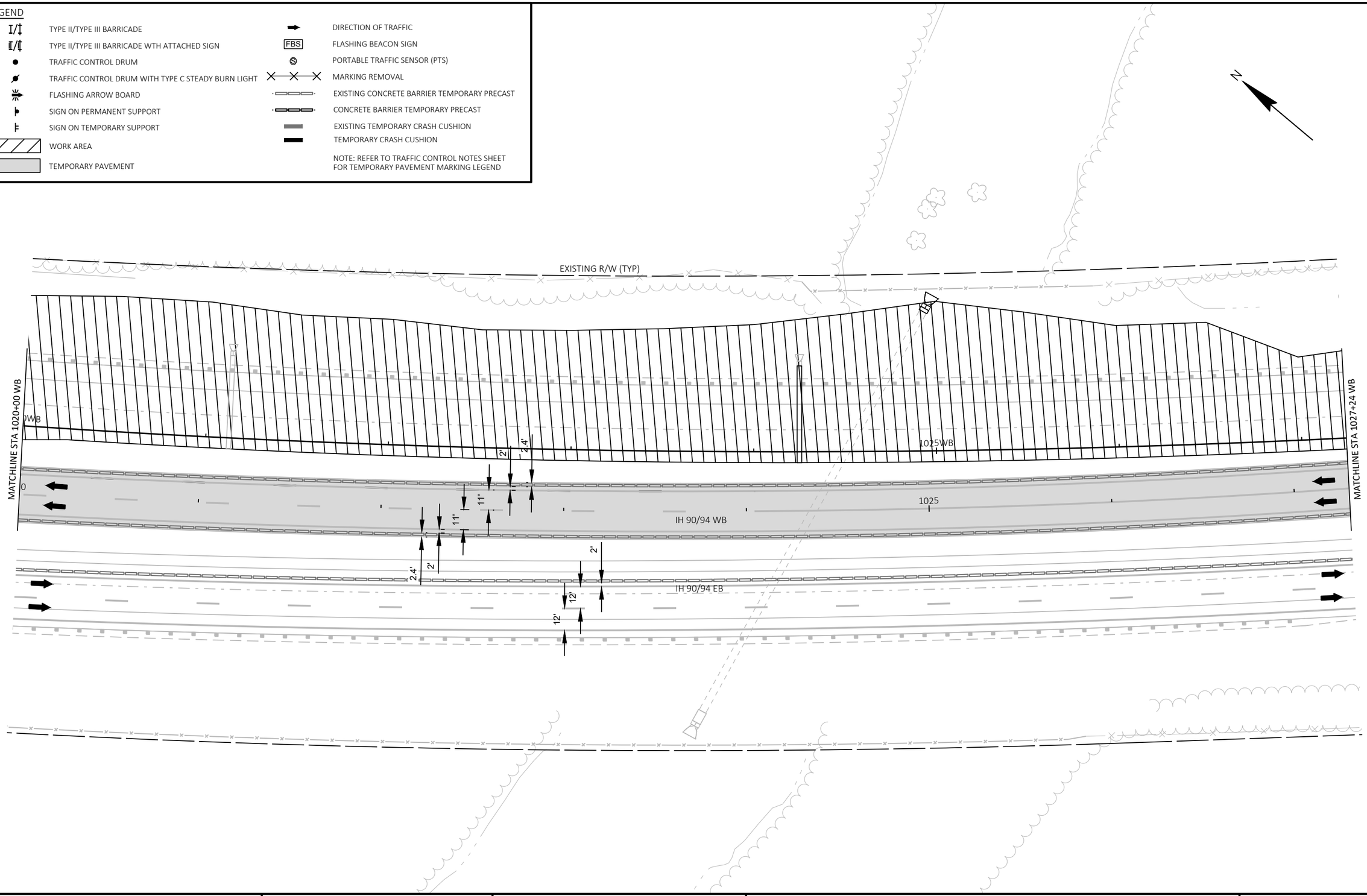
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 377	E

2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 378	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025107_TC_S3C.DWG
LAYOUT NAME - 025113_tc

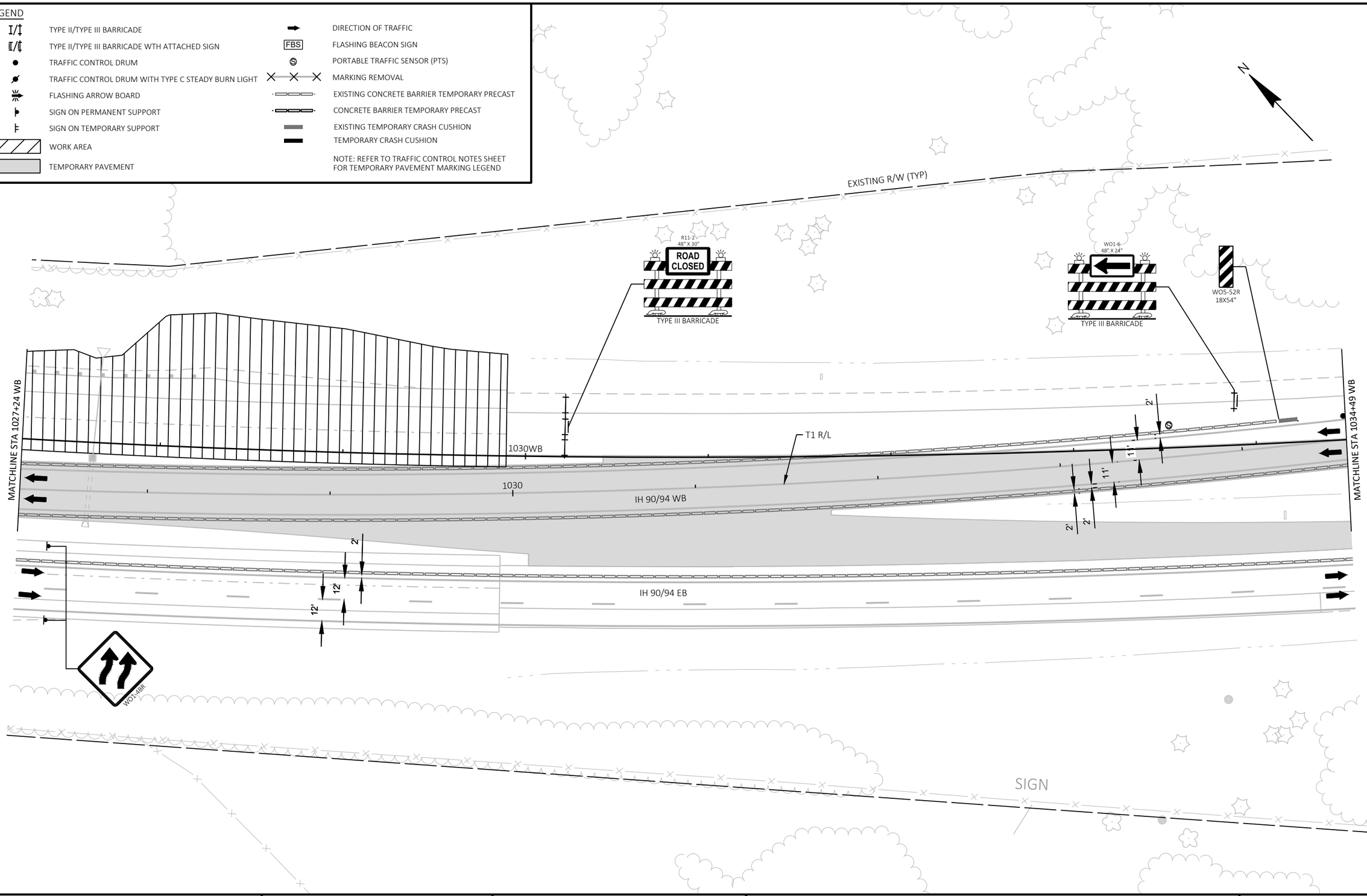
PLOT DATE : 10/21/2021 1:40 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 379	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025107_TC_S3C.DWG
LAYOUT NAME - 025114_tc

PLOT DATE : 10/21/2021 1:40 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

EXISTING R/W (TYP)

1000'

CONSTRUCTION TRUCKS ONLY
R10-72
36"X36"

TRUCKS LEAVING
W08-6C

WO5-52L
18X54"

RIPRAP

RIPRAP

1000'

SIGN

MATCHLINE STA 1034+49 WB

1035

1035WB

IH 90/94 WB

50'

250'

12'

12'

1040WB

50'

B-29-31

WB R/L

MATCHLINE STA 1041+74 WB

INL

INL

50'

2'

12'

12'

IH 90/94 EB

250'

240' SHIFTING TAPER

WO1-6
48" X 24"

TYPE III BARRICADE

CTH N

RIPRAP

N

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

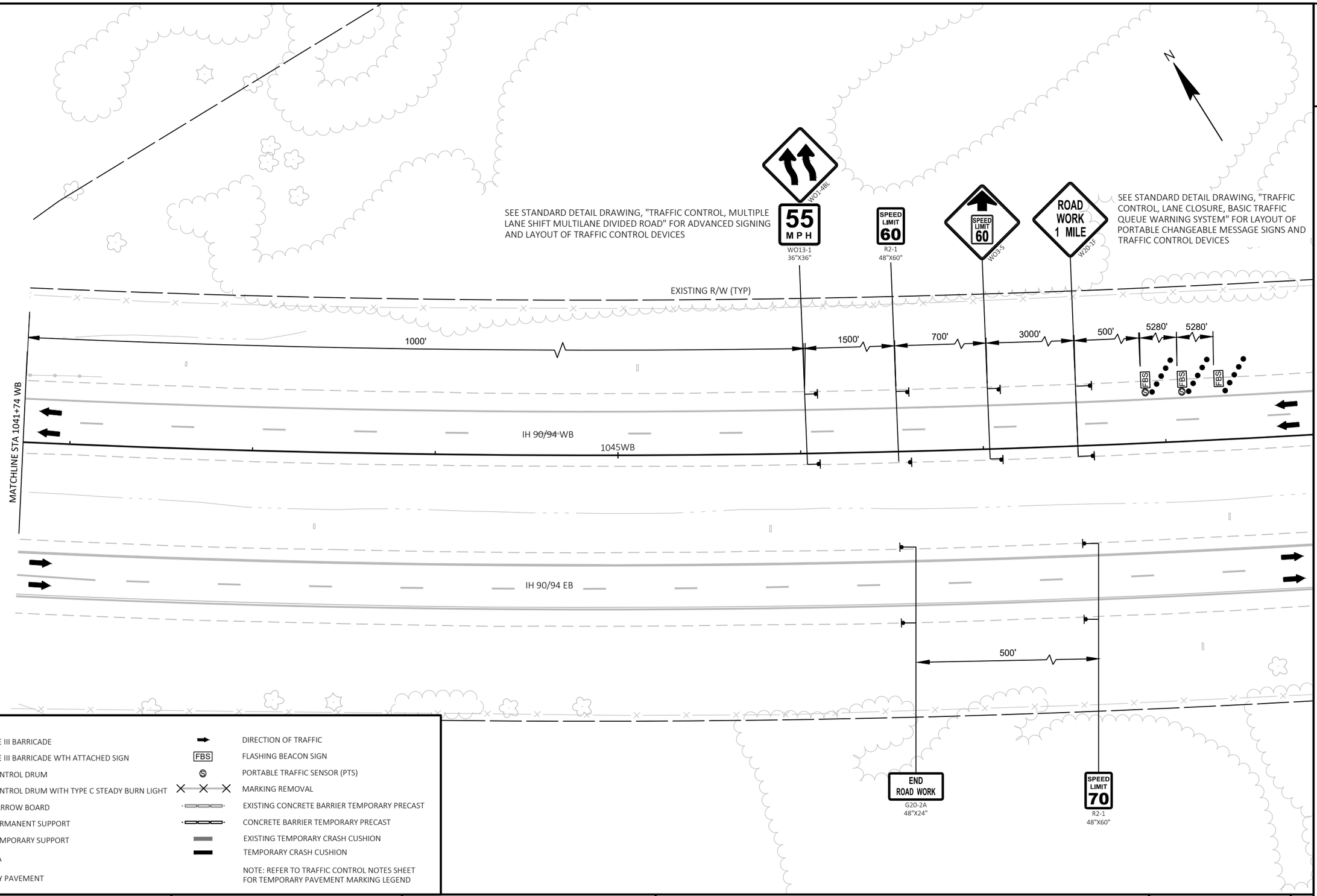
NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 380	E

2

SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, MULTIPLE LANE SHIFT MULTILANE DIVIDED ROAD" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM" FOR LAYOUT OF PORTABLE CHANGEABLE MESSAGE SIGNS AND TRAFFIC CONTROL DEVICES



LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C	SHEET 381	E

2

2

975B

975WB

975

980B

980WB

980

IH 90/94 WB

IH 90/94 EB

985B

985WB

985

145WB82

145EB82

140WB82

140EB82

150WB

LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 3C (RAMP C)	SHEET 382 E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025107_TC_S3C.DWG
LAYOUT NAME - 25

PLOT DATE : 10/21/2021 1:40 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

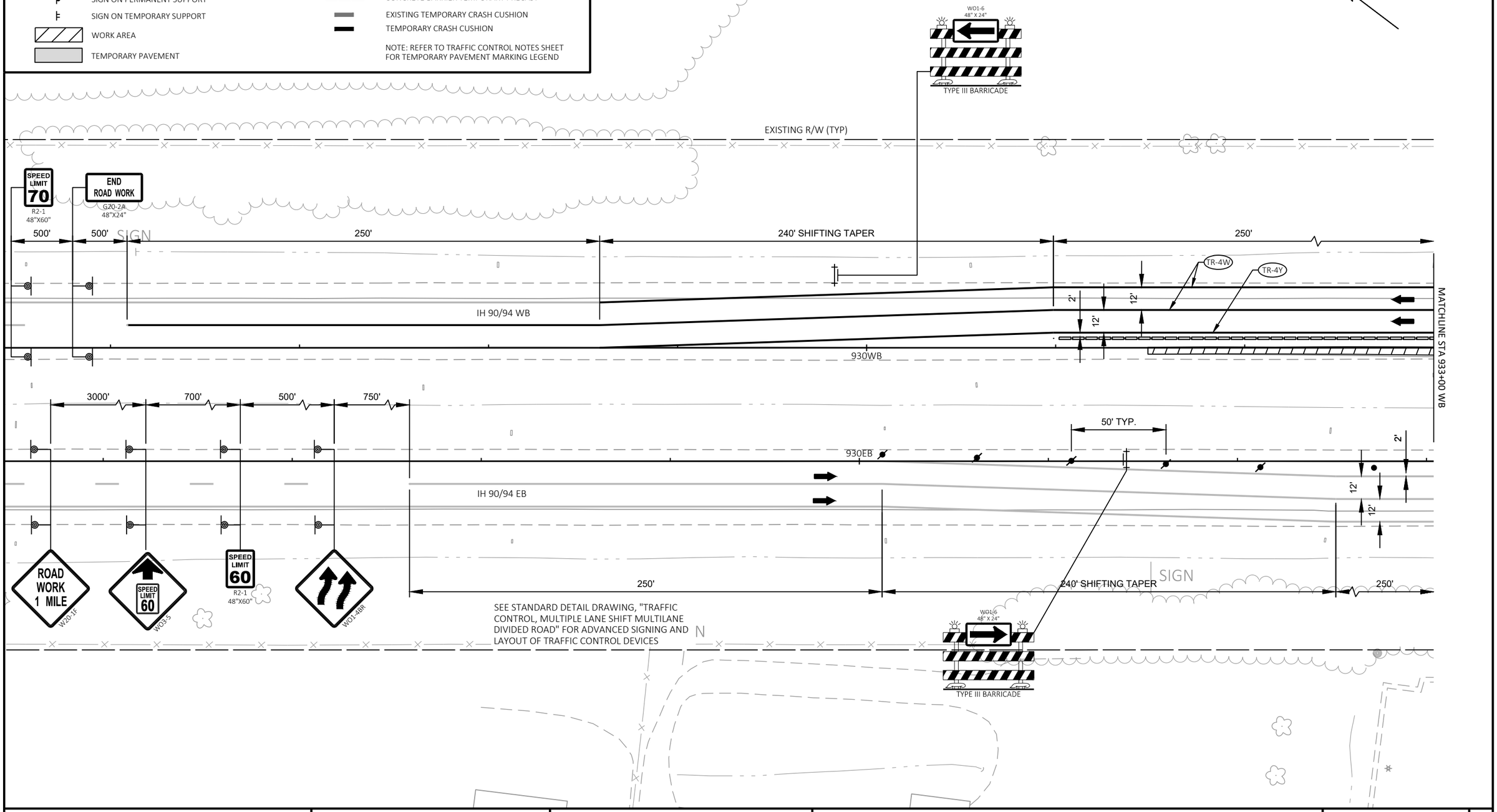
LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

STAGE 4 DESCRIPTION:

I-90/94 WILL BE SHIFTED ONTO THE OUTSIDE SHOULDER TO REMOVE THE TEMPORARY CROSSOVERS AND COMPLETE CONSTRUCTION OF THE FINAL ASPHALT INSIDE SHOULDER. STH 82 WILL BE OPEN TO TRAFFIC AT ALL TIMES. THE PURPOSE OF THIS STAGE IS TO REMOVE THE TEMPORARY CROSSOVERS AND BRIDGES IN THE IH 90/94 MEDIAN AND TO CONSTRUCTION THE INSIDE SHOULDER NEAR LOCATIONS IN THE TEMPORARY CROSSOVER. SHIFT TEMPORARY CONCRETE BARRIER FROM STAGE 3 TO THE IH 90/94 EASTBOUND AND WESTBOUND INSIDE SHOULDERS AND REPAINT PAVEMENT MARKING PRIOR TO SHIFTING TRAFFIC. WORK TO BE COMPLETED AT NIGHT.

AT THE END OF STAGE 4 REMOVE ALL BARRIER USING NIGHTTIME LANE CLOSURES.



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 383	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025100_tc

PLOT DATE : 10/21/2021 3:00 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

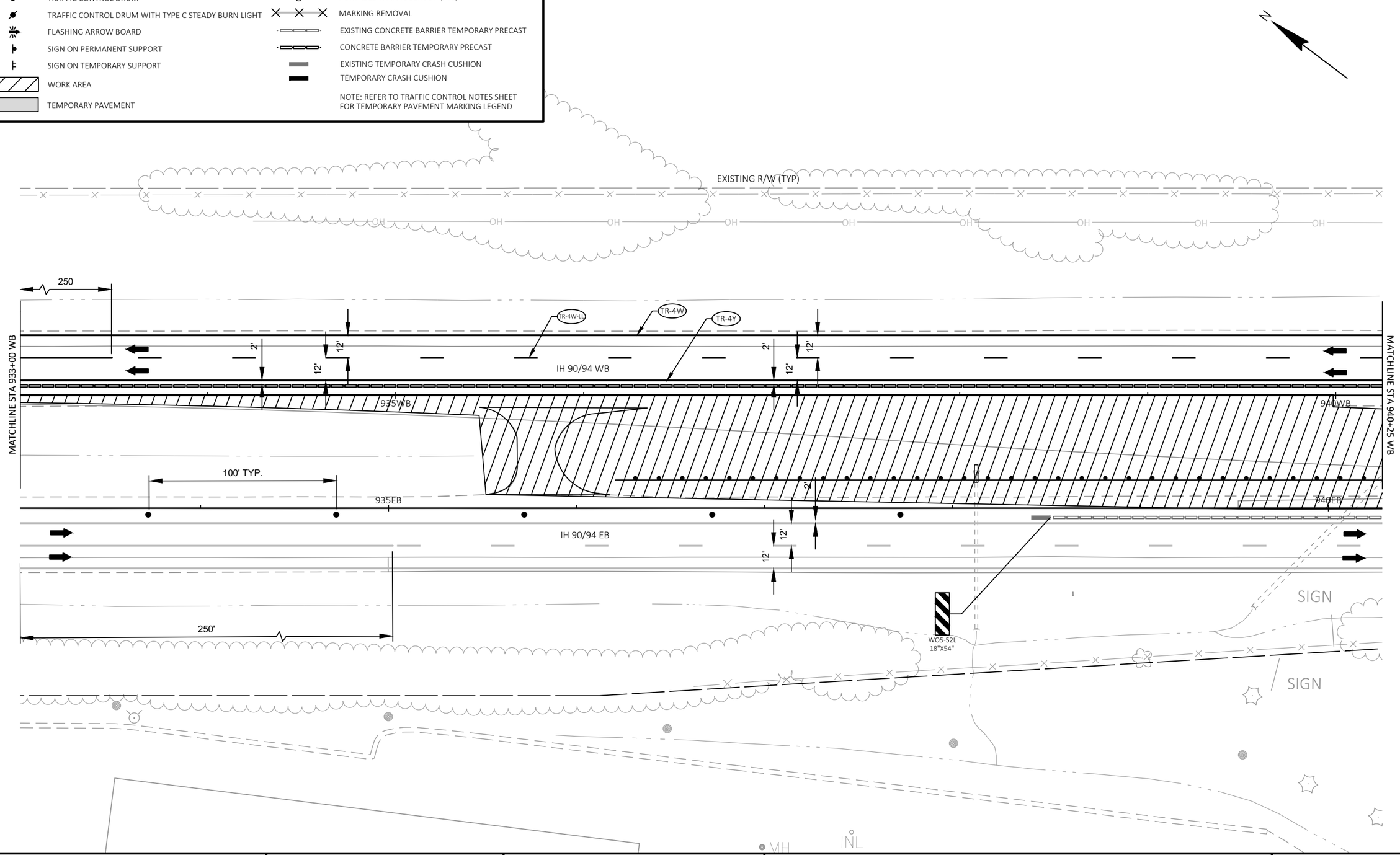
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 384	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025101_tc

PLOT DATE : 10/21/2021 3:00 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

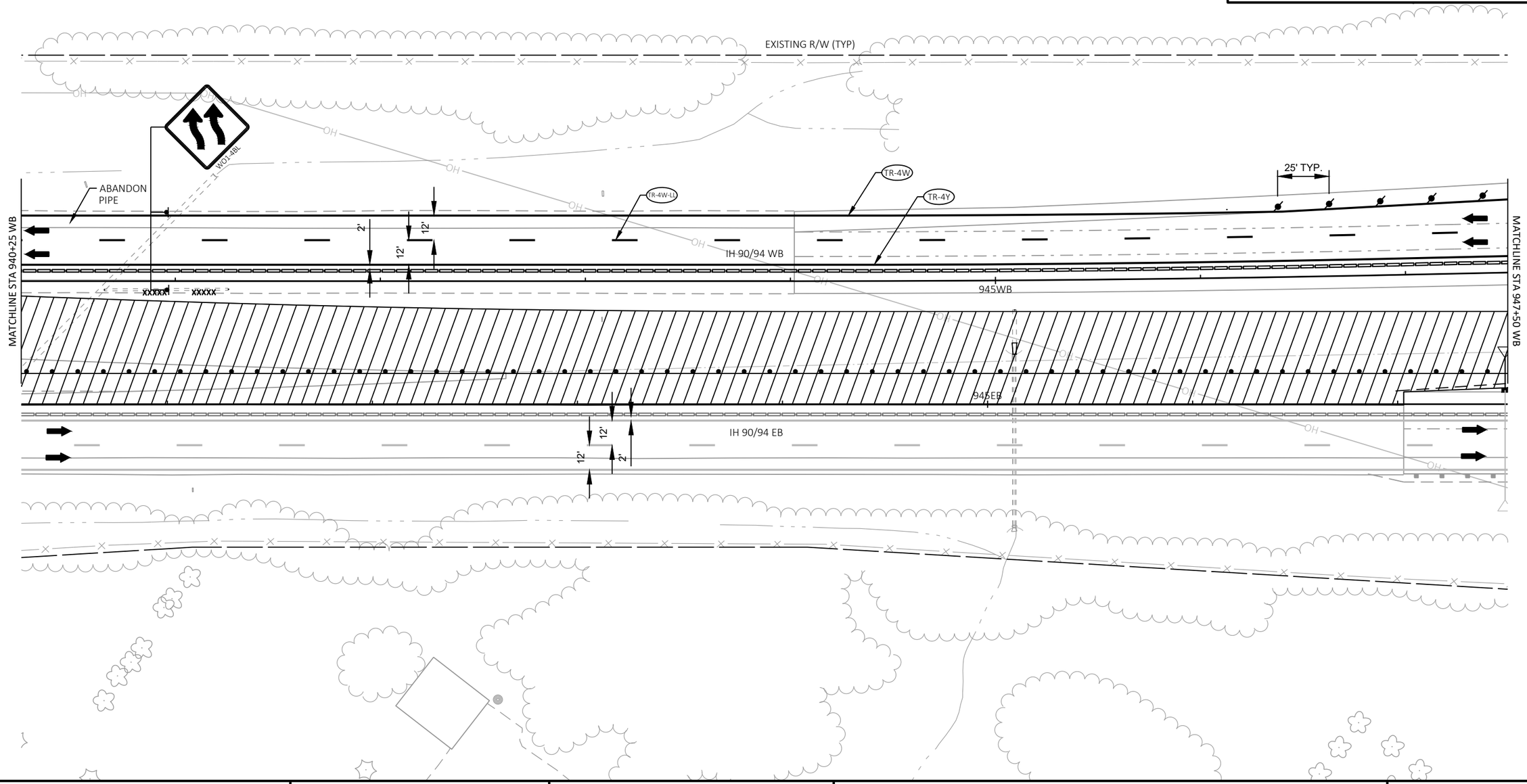
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LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
TIC	TEMPORARY INLET COVER
XXXXX	REMOVING STORM SEWER



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 385	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025102_tc

PLOT DATE : 10/21/2021 3:01 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

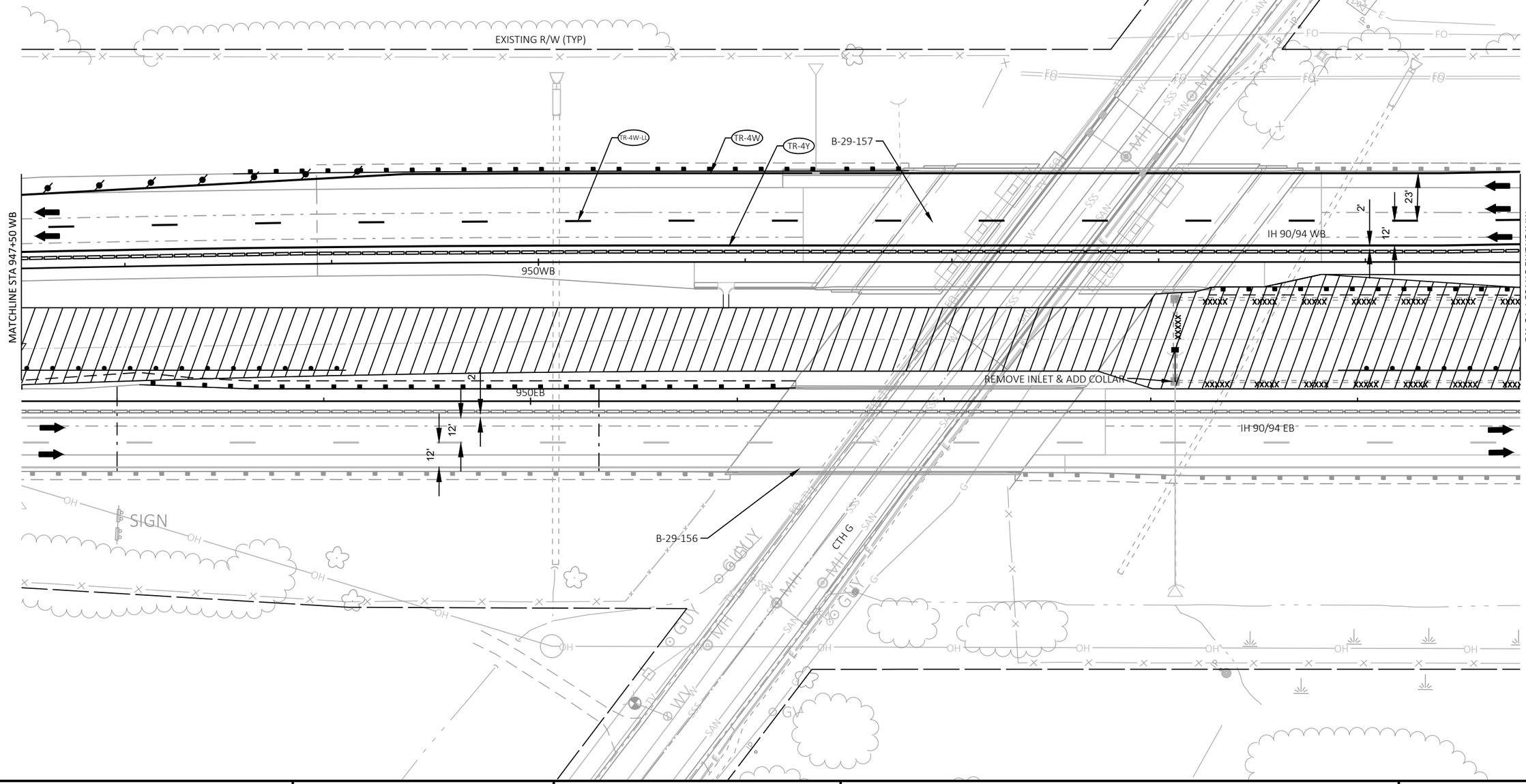
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LEGEND

	TYPE II/TYPE III BARRICADE		DIRECTION OF TRAFFIC
	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
	TRAFFIC CONTROL DRUM		PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
TIC	TEMPORARY INLET COVER
XXXXX	REMOVING STORM SEWER



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 386	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025103_tc

PLOT DATE : 10/21/2021 3:01 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

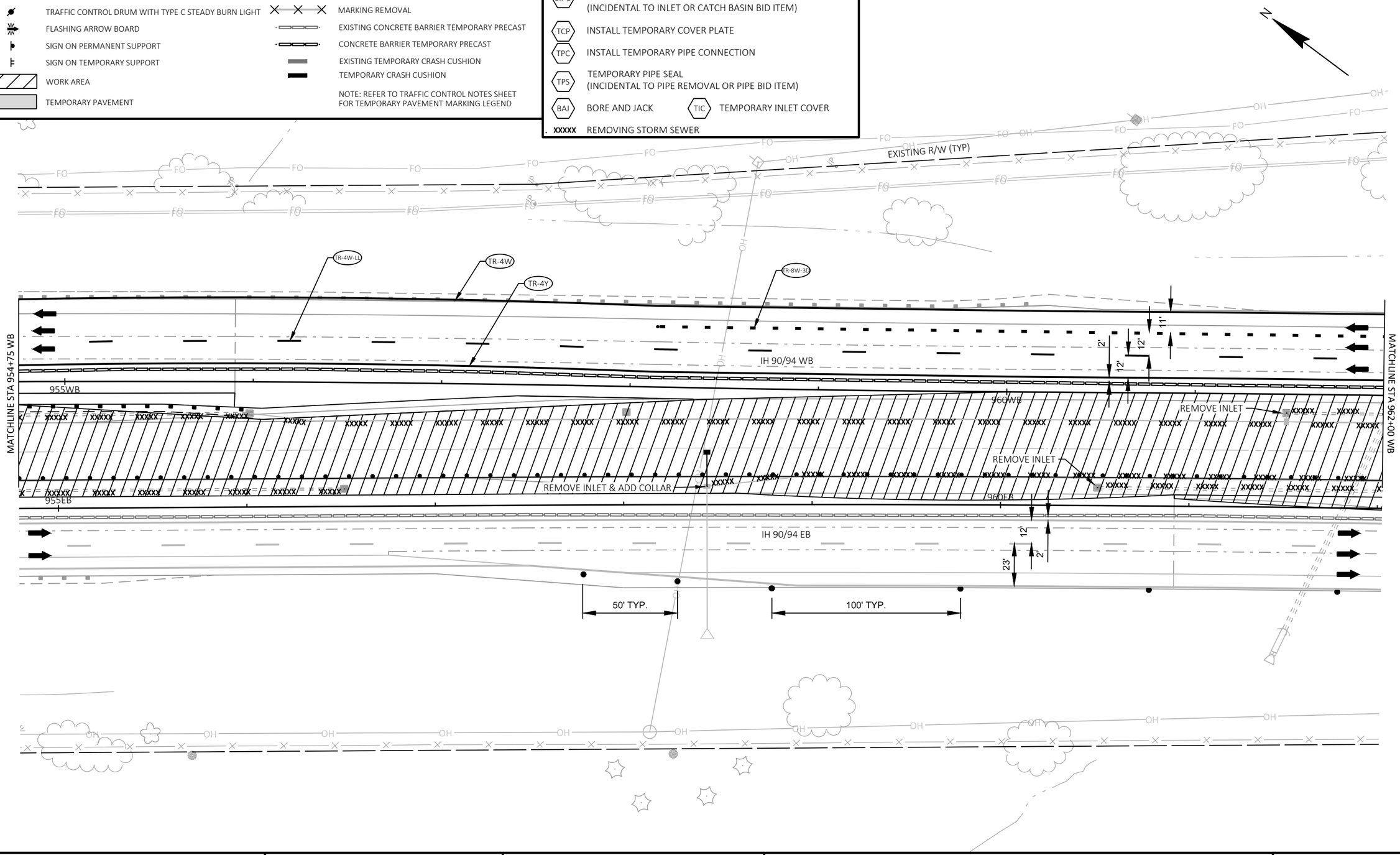
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LEGEND

I/↕	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
II/↕	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
◕	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
⇶	FLASHING ARROW BOARD	▭▭▭	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
⚑	SIGN ON PERMANENT SUPPORT	▭▭▭	CONCRETE BARRIER TEMPORARY PRECAST
⚐	SIGN ON TEMPORARY SUPPORT	▬	EXISTING TEMPORARY CRASH CUSHION
▨	WORK AREA	▬	TEMPORARY CRASH CUSHION
▭	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
TIC	TEMPORARY INLET COVER
xxxxx	REMOVING STORM SEWER



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 387	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025104_tc

PLOT DATE : 10/21/2021 3:01 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

I/I	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
II/II	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
TIC	TEMPORARY INLET COVER
. XXXXX	REMOVING STORM SEWER

2

EXISTING R/W (TYP)

TR-4W-LL

TR-8W-3L

TR-4W

TR-4Y

11'

12'

2'

12'

IH 90/94 WB

965WB

MATCHLINE STA 962+00 WB

MATCHLINE STA 969+25 WB

REMOVE INLET

REMOVE INLET & ADD COLLAR

965EB

IH 90/94 EB

100' TYP.

SIGN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 388	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025105_tc

PLOT DATE : 10/21/2021 3:01 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

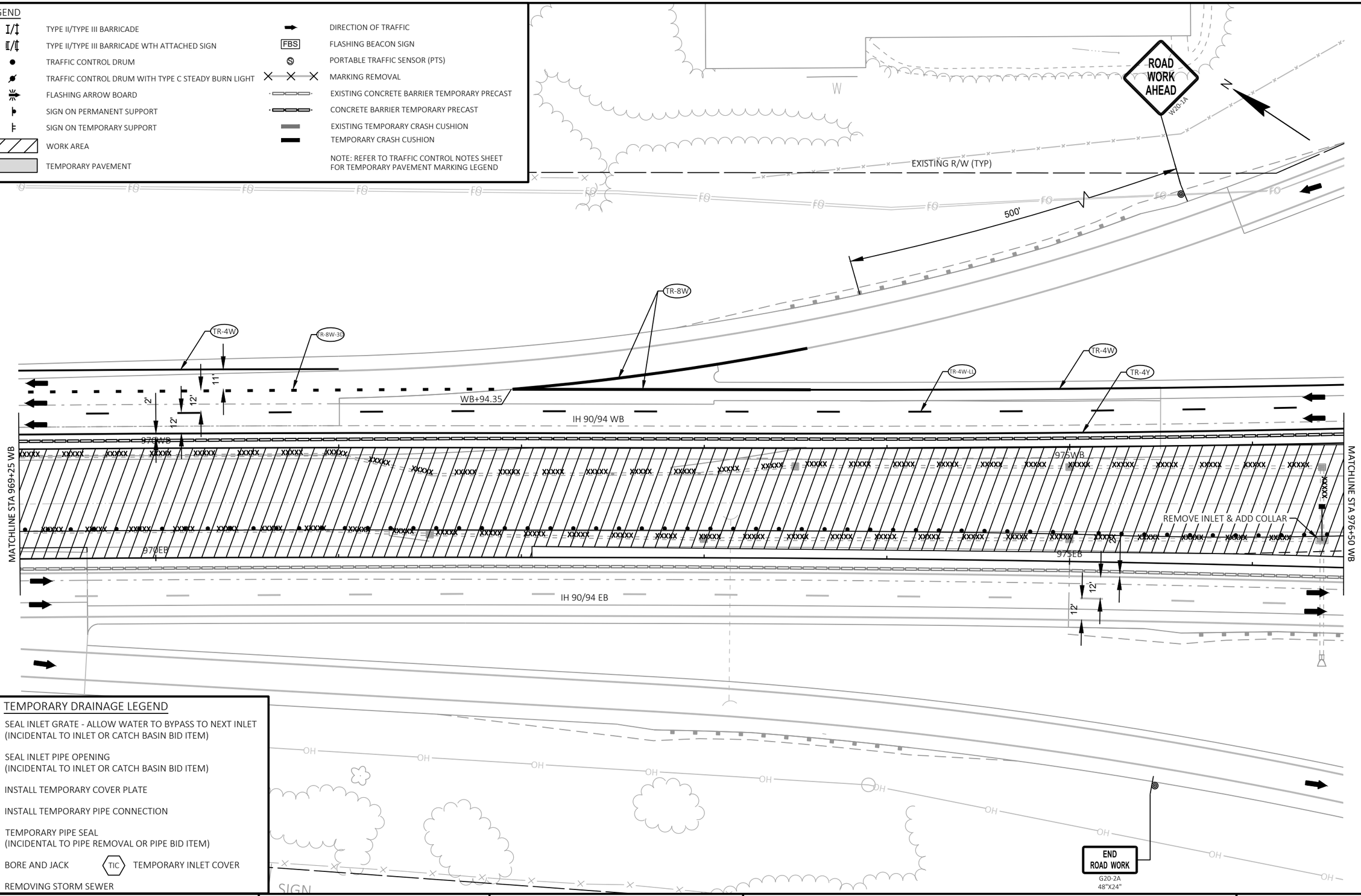
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 389	E

2

2

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- xxxxx — REMOVING STORM SEWER

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

EXISTING R/W (TYP)

FO

PROVIDE PEDESTRIAN OVERHEAD PROTECTION DURING THE REMOVAL OF TEMPORARY BRIDGE

B-29-155

TR-4W

TR-4W-LL

TR-4Y

IH 90/94 WB

980WB

4'

2'

12'

12'

xxxxx

REMOVE INLET & ADD COLLAR

MATCHLINE STA 976+50 WB

MATCHLINE STA 983+75 WB

980EB

IH 90/94 EB

2'

4'

12'

12'

B-29-154

1445WB82

1445EB82

STH 82 WB

STH 82 EB

GUY

N

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 390	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025107_tc

PLOT DATE : 10/21/2021 3:01 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

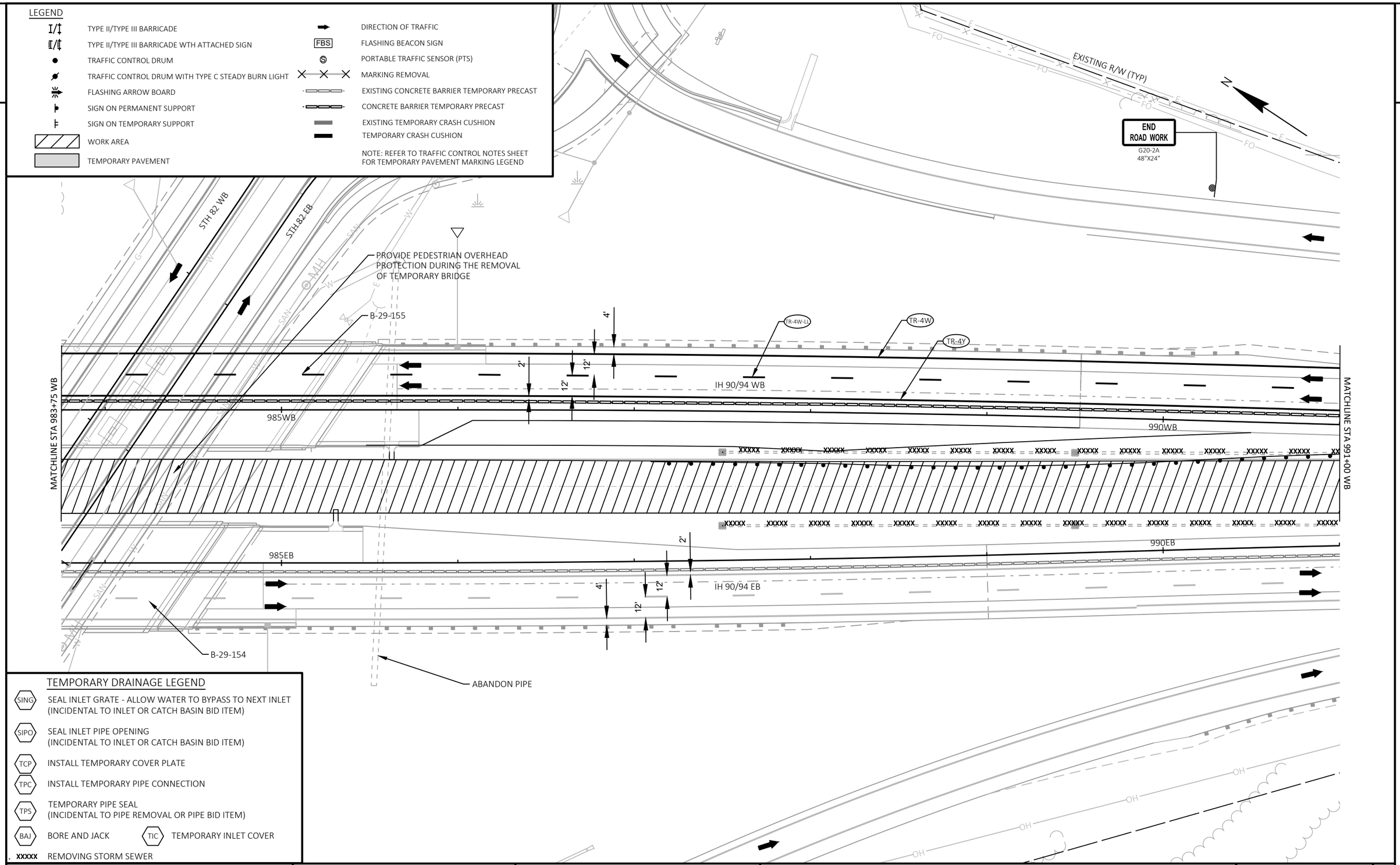
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 391	E

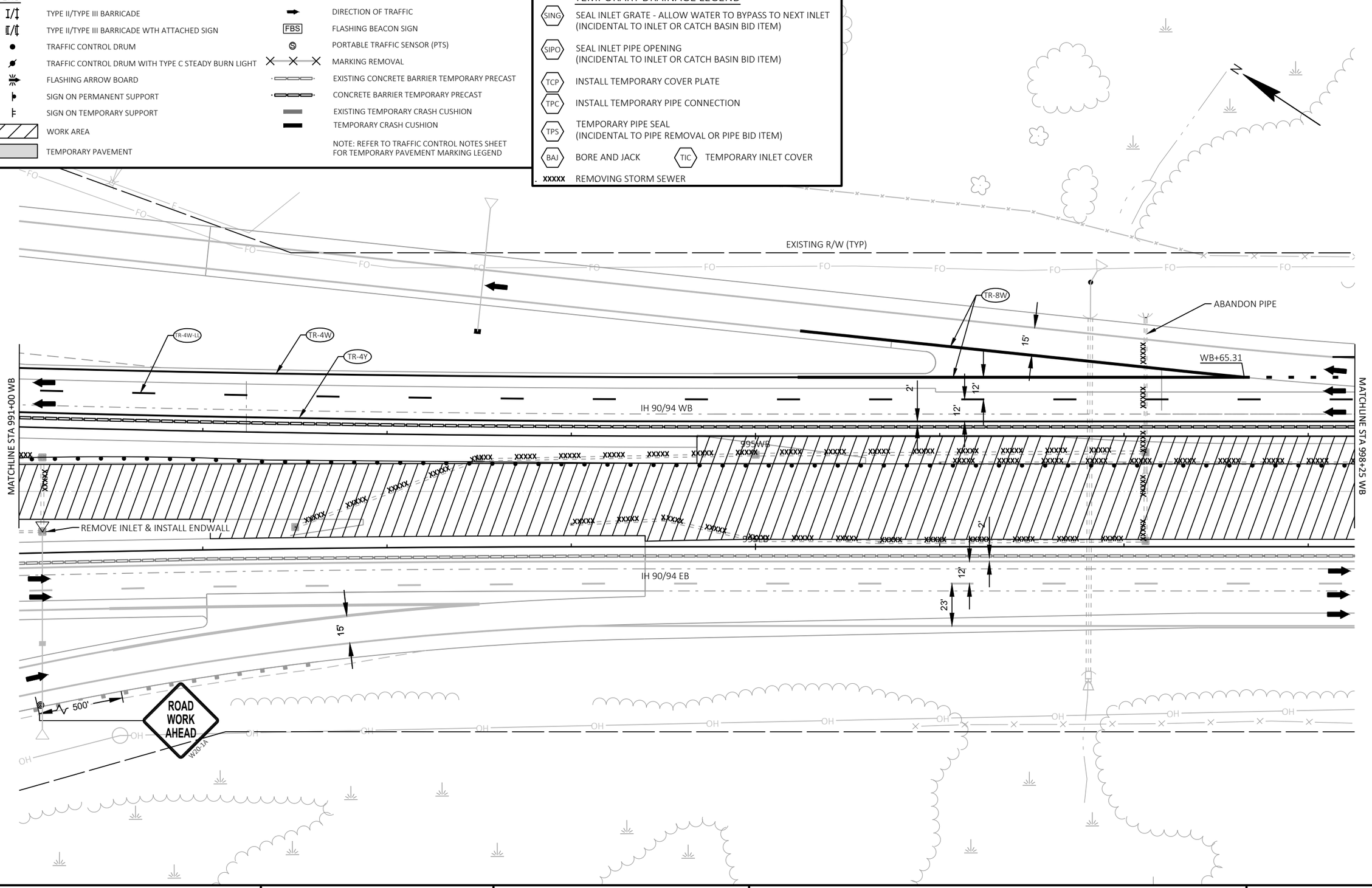
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LEGEND

	TYPE II/TYPE III BARRICADE		DIRECTION OF TRAFFIC
	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
	TRAFFIC CONTROL DRUM		PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
TIC	TEMPORARY INLET COVER
XXXXX	REMOVING STORM SEWER



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 392	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025109_tc

PLOT DATE : 10/21/2021 3:01 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

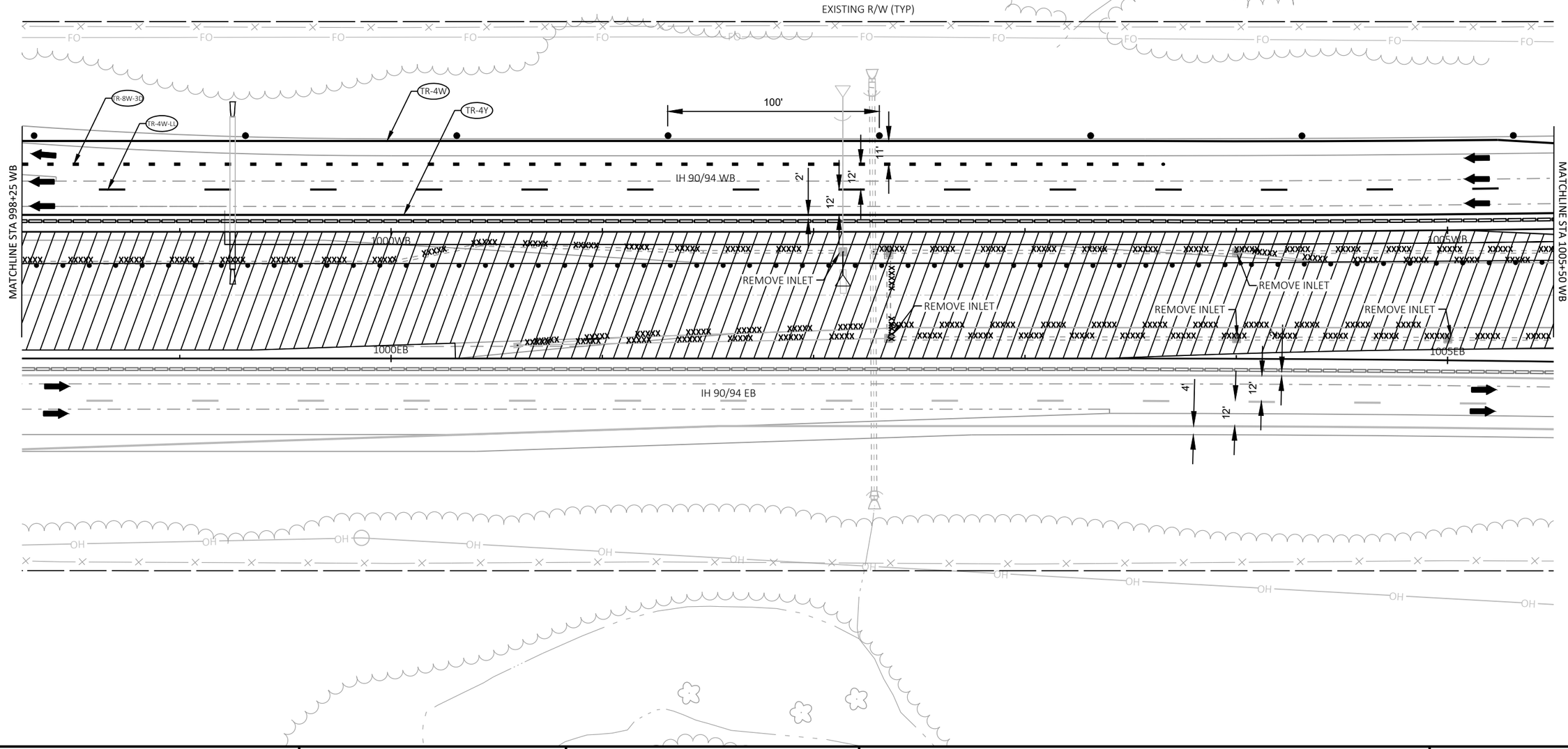
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- SING SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP INSTALL TEMPORARY COVER PLATE
- TPC INSTALL TEMPORARY PIPE CONNECTION
- TPS TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ BORE AND JACK
- TIC TEMPORARY INLET COVER
- XXXXX REMOVING STORM SEWER



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 393	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025110_tc

PLOT DATE : 10/21/2021 3:02 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

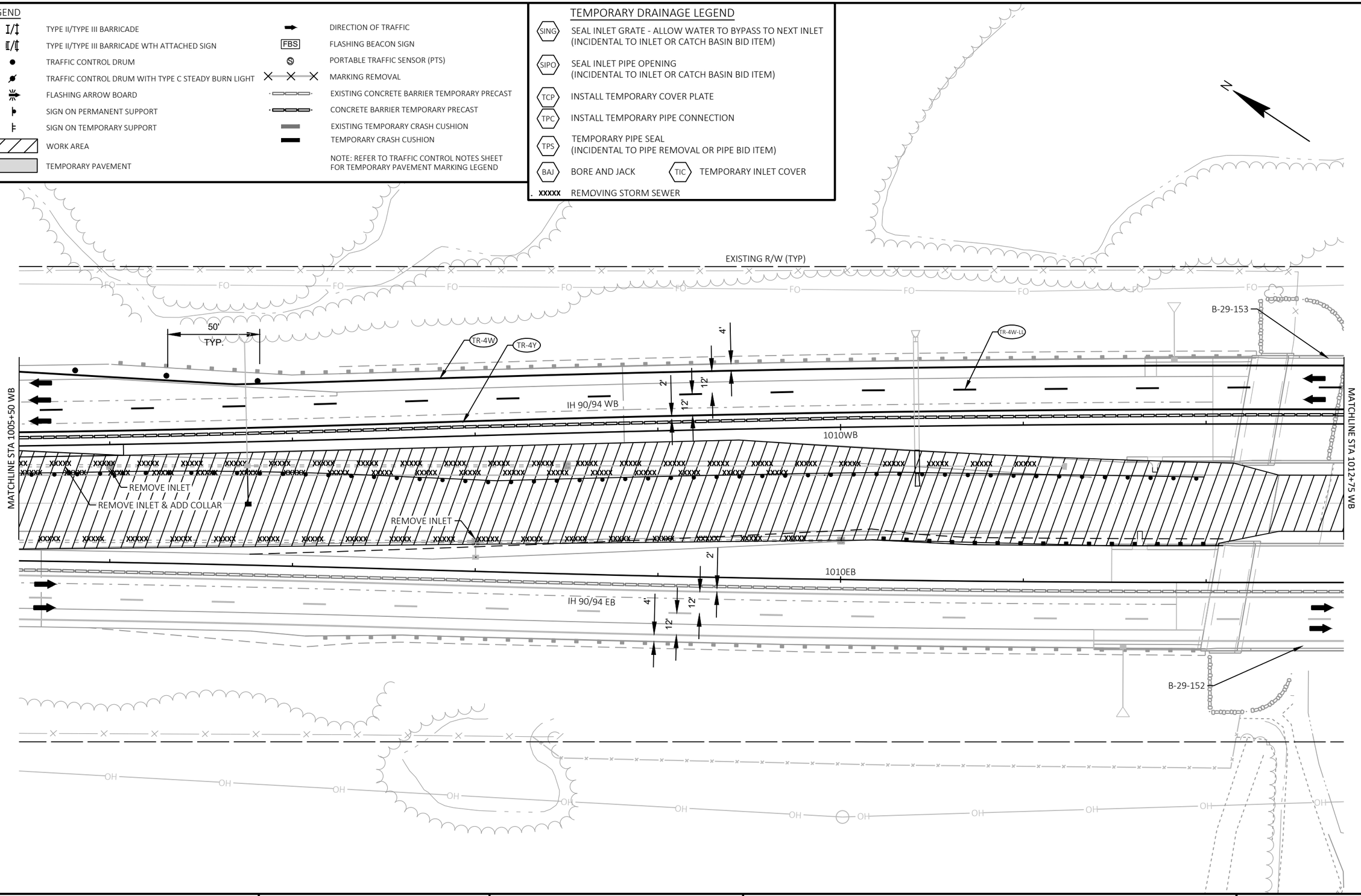
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LEGEND

I/‡	TYPE II/TYPE III BARRICADE	➡	DIRECTION OF TRAFFIC
I/‡	TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FBS	FLASHING BEACON SIGN
●	TRAFFIC CONTROL DRUM	Ⓢ	PORTABLE TRAFFIC SENSOR (PTS)
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	✕ ✕ ✕	MARKING REMOVAL
	FLASHING ARROW BOARD		EXISTING CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON PERMANENT SUPPORT		CONCRETE BARRIER TEMPORARY PRECAST
	SIGN ON TEMPORARY SUPPORT		EXISTING TEMPORARY CRASH CUSHION
	WORK AREA		TEMPORARY CRASH CUSHION
	TEMPORARY PAVEMENT		NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

SING	SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
SIPO	SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
TCP	INSTALL TEMPORARY COVER PLATE
TPC	INSTALL TEMPORARY PIPE CONNECTION
TPS	TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
BAJ	BORE AND JACK
TIC	TEMPORARY INLET COVER
XXXXX	REMOVING STORM SEWER



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 394 E

2

2

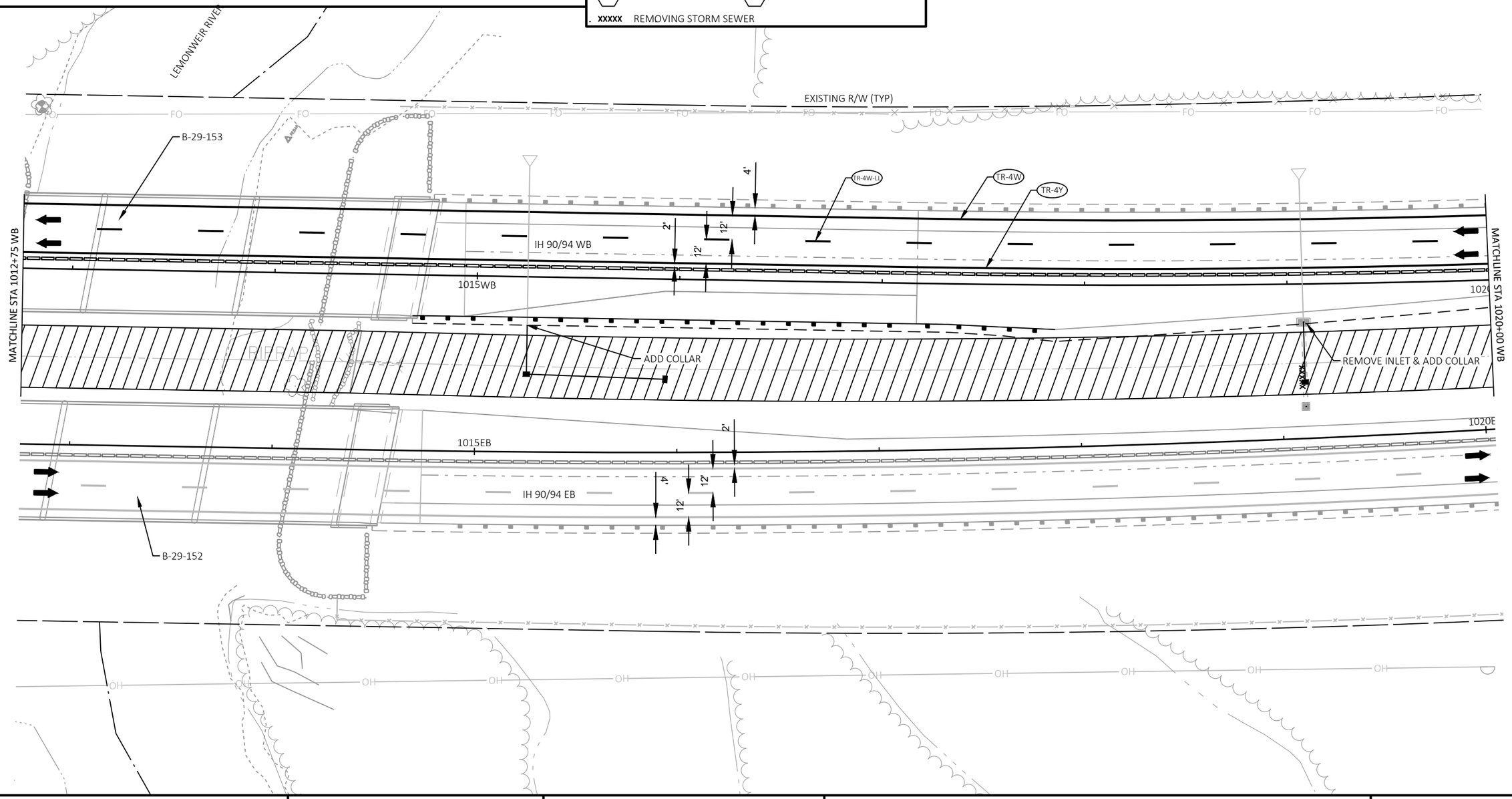
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 395	E

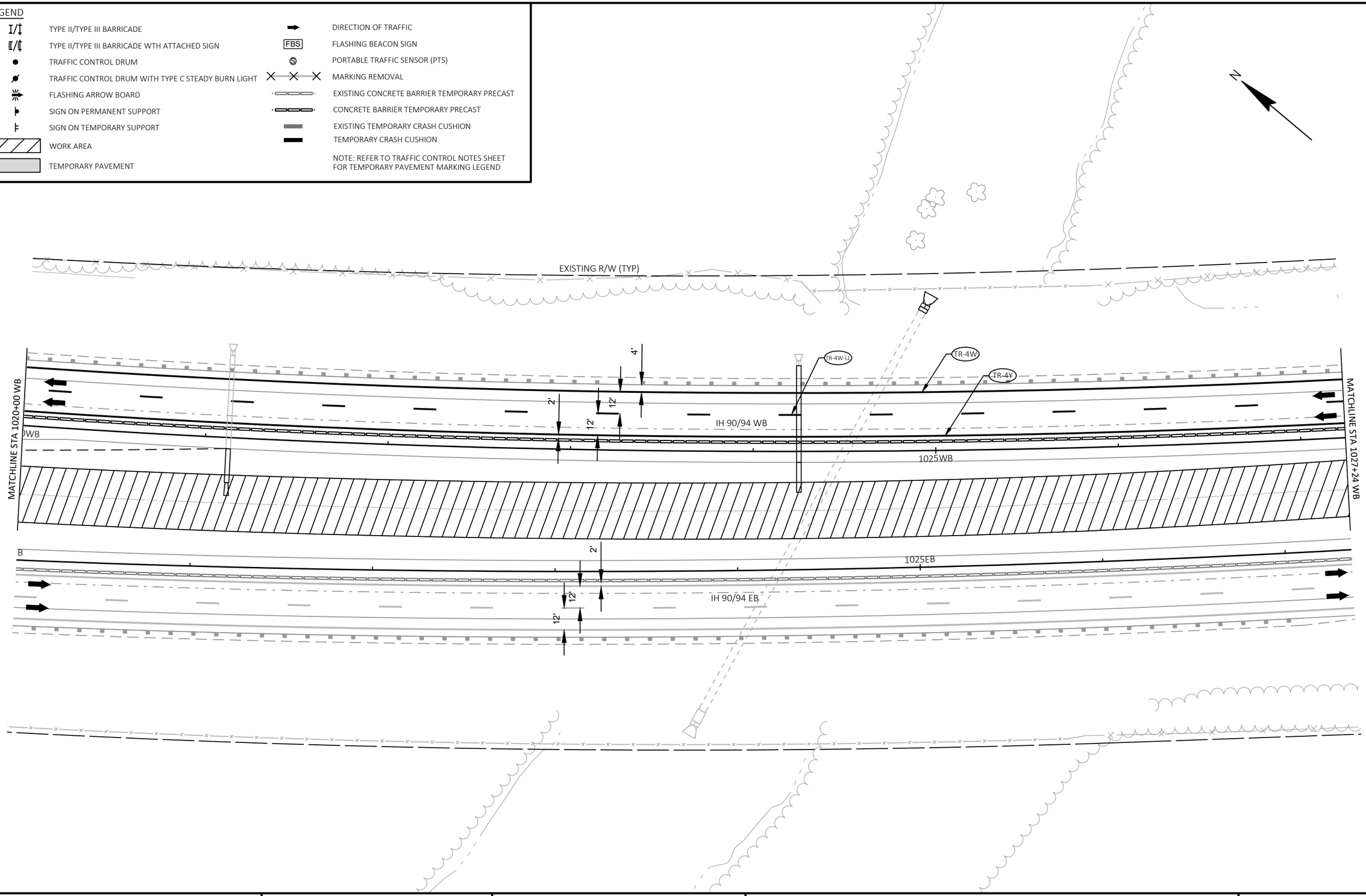
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LAYOUT NAME - 025112_tc

PLOT DATE : 10/21/2021 3:02 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



2

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 396	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025113_tc

PLOT DATE : 10/21/2021 3:02 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

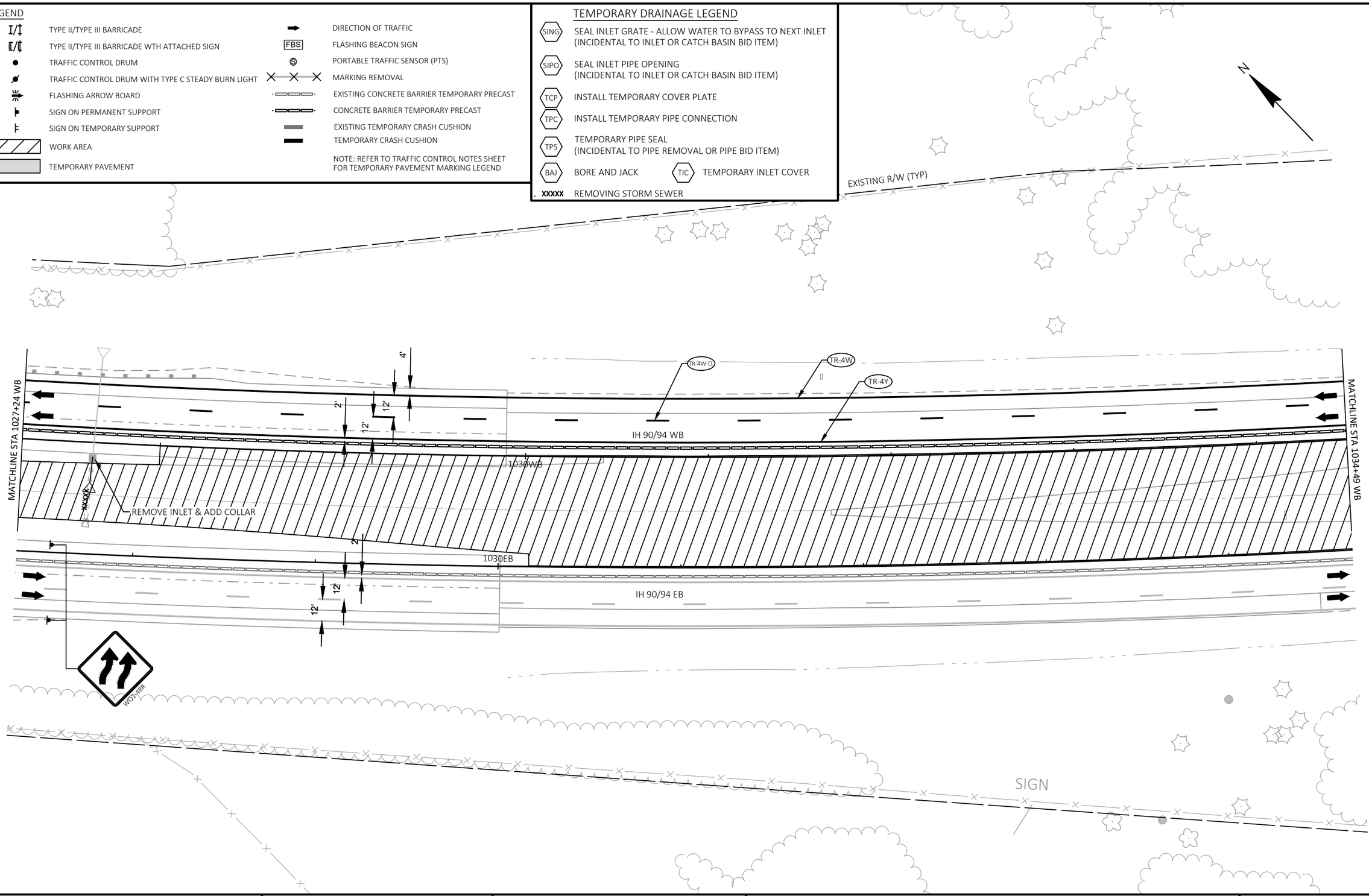
LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FBS — FLASHING BEACON SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

TEMPORARY DRAINAGE LEGEND

- SING — SEAL INLET GRATE - ALLOW WATER TO BYPASS TO NEXT INLET (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- SIPO — SEAL INLET PIPE OPENING (INCIDENTAL TO INLET OR CATCH BASIN BID ITEM)
- TCP — INSTALL TEMPORARY COVER PLATE
- TPC — INSTALL TEMPORARY PIPE CONNECTION
- TPS — TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE REMOVAL OR PIPE BID ITEM)
- BAJ — BORE AND JACK
- TIC — TEMPORARY INLET COVER
- XXXXX — REMOVING STORM SEWER



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 397	E

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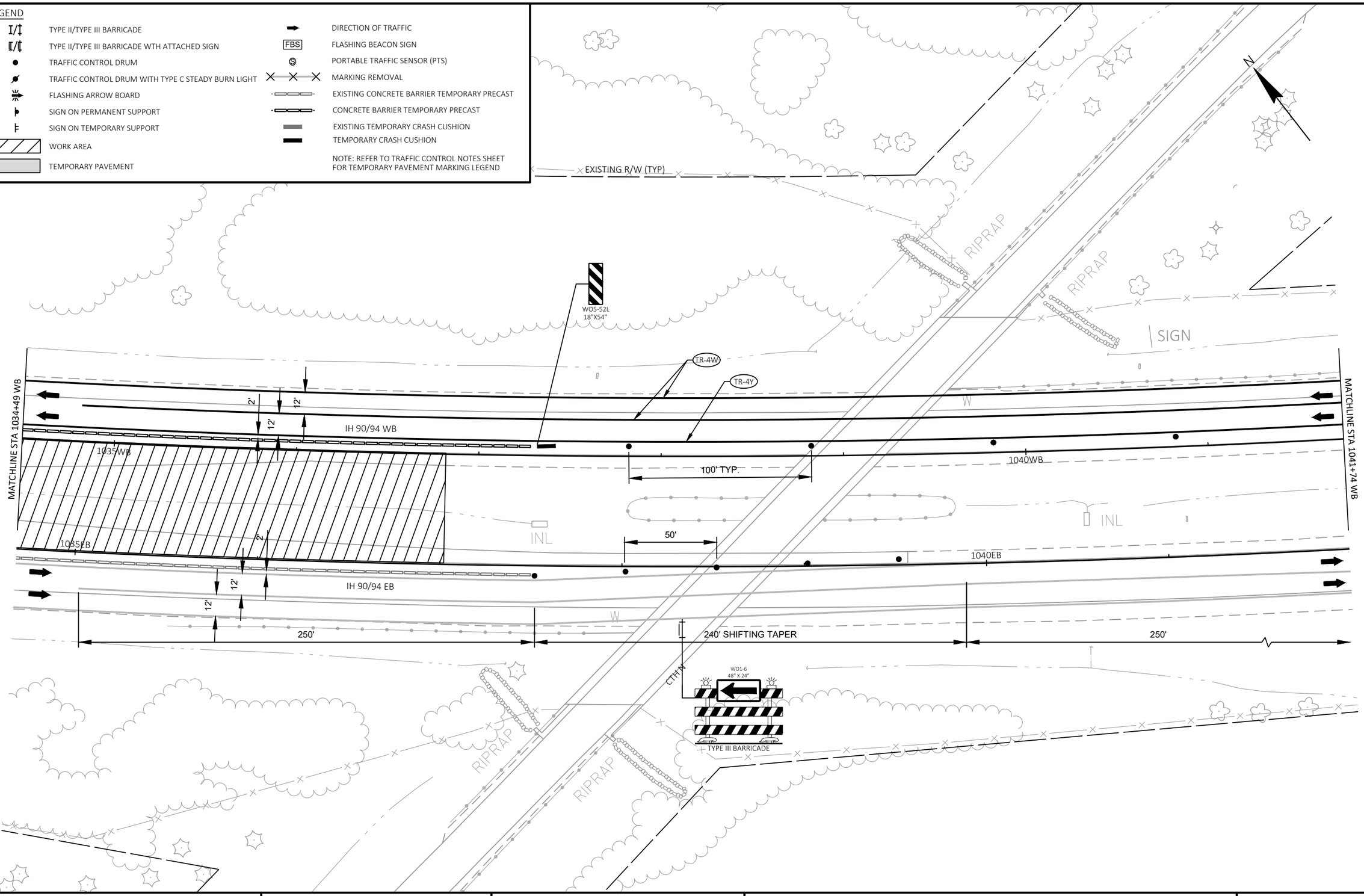
PLOT DATE : 10/21/2021 3:02 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- TYPE II/TYPE III BARRICADE
- TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- FLASHING BEACON SIGN (FBS)
- PORTABLE TRAFFIC SENSOR (PTS)
- MARKING REMOVAL
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING TEMPORARY CRASH CUSHION
- TEMPORARY CRASH CUSHION

NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 398	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\025108_TC_S4.DWG
LAYOUT NAME - 025115_tc

PLOT DATE : 10/21/2021 3:02 PM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

SEE STANDARD DETAIL DRAWING, "TRAFFIC CONTROL, MULTIPLE LANE SHIFT MULTILANE DIVIDED ROAD" FOR ADVANCED SIGNING AND LAYOUT OF TRAFFIC CONTROL DEVICES

N

ROAD WORK 1 MILE
W20-1F

W01-4BR

SPEED LIMIT 60
R2-1
48"X60"

SPEED LIMIT 60
W03-5

EXISTING R/W (TYP)

240' SHIFTING TAPER

250'

750'

700'

500'

750'

TR-4W

TR-4Y

IH 90/94 WB

1045WB

MATCHLINE STA 1041+74 WB

100' TYP.

50'

1045EB

IH 90/94 EB

WO1-6
48" X 24"

TYPE III BARRICADE

500'

END ROAD WORK
G20-2A
48"X24"

SPEED LIMIT 70
R2-1
48"X60"

LEGEND

TYPE II/TYPE III BARRICADE	DIRECTION OF TRAFFIC
TYPE II/TYPE III BARRICADE WTH ATTACHED SIGN	FLASHING BEACON SIGN
TRAFFIC CONTROL DRUM	PORTABLE TRAFFIC SENSOR (PTS)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	MARKING REMOVAL
FLASHING ARROW BOARD	EXISTING CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON PERMANENT SUPPORT	CONCRETE BARRIER TEMPORARY PRECAST
SIGN ON TEMPORARY SUPPORT	EXISTING TEMPORARY CRASH CUSHION
WORK AREA	TEMPORARY CRASH CUSHION
TEMPORARY PAVEMENT	NOTE: REFER TO TRAFFIC CONTROL NOTES SHEET FOR TEMPORARY PAVEMENT MARKING LEGEND

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL: STAGE 4	SHEET 399	E

2

KENNEDY ST

125EB

130EB

135EB

140

2'

SEE S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" AND "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL SIGNING REQ'D

STH 82 WB

STH 82 EB

MCEVOY ST

MATCHLINE STA 140+00 EB

N

SEE S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" AND "TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT" FOR ADDITIONAL TRAFFIC CONTROL REQ'D

MATCHLINE STA 140+00 EB

145EB

150EB

155

STH 82 WB

STH 82 EB

SEE S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" AND "TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT" FOR ADDITIONAL TRAFFIC CONTROL REQ'D

N

MATCHLINE STA 155+00 EB

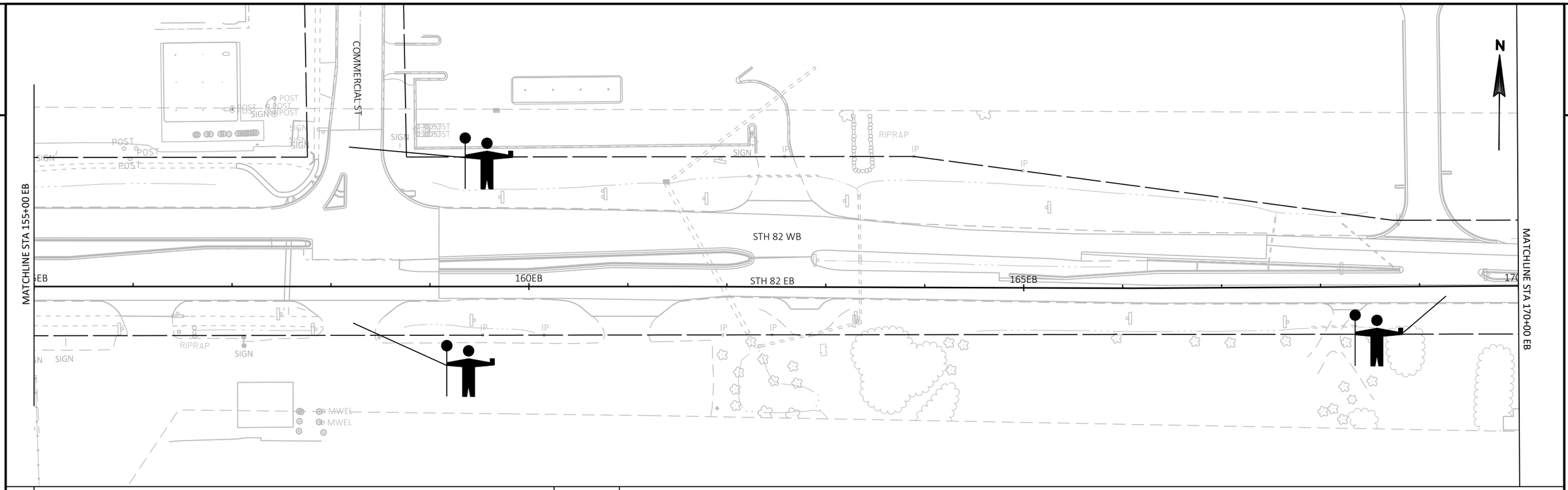
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL - STH 82 FLAGGING DETAIL	SHEET 400	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\026701_TC_FLAGGING DETAIL.DWG
LAYOUT NAME - 01

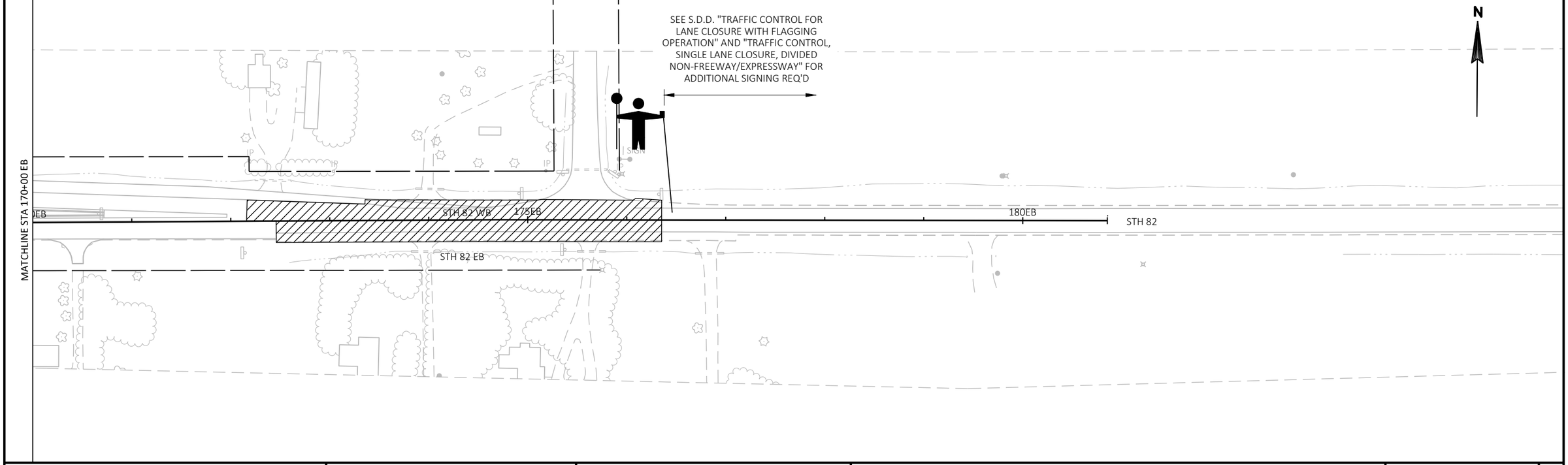
PLOT DATE : 10/15/2021 11:34 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



2

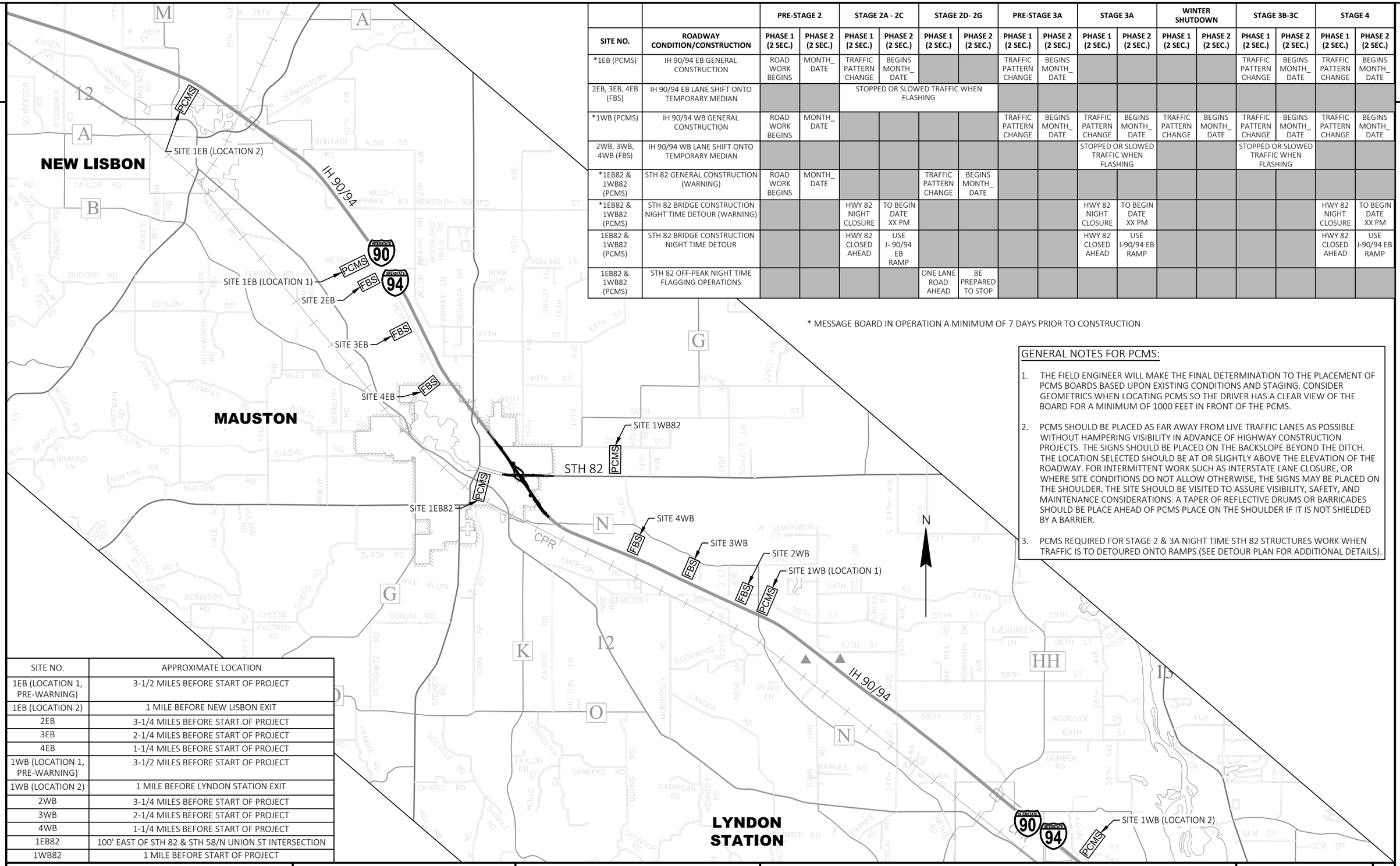


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL - STH 82 FLAGGING DETAIL	SHEET 401	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\026701_TC_FLAGGING DETAIL.DWG
LAYOUT NAME - 02

PLOT DATE : 10/15/2021 11:35 AM PLOT BY : MICHAEL W. BUCCELLI PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



		PRE-STAGE 2		STAGE 2A - 2C		STAGE 2D- 2G		PRE-STAGE 3A		STAGE 3A		WINTER SHUTDOWN		STAGE 3B-3C		STAGE 4	
SITE NO.	**ROADWAY CONDITION/CONSTRUCTION**	**PHASE 1 (2 SEC.)**	**PHASE 2 (2 SEC.)**	**PHASE 1 (2 SEC.)**	**PHASE 2 (2 SEC.)**	**PHASE 1 (2 SEC.)**	**PHASE 2 (2 SEC.)**	**PHASE 1 (2 SEC.)**	**PHASE 2 (2 SEC.)**	**PHASE 1 (2 SEC.)**	**PHASE 2 (2 SEC.)**	**PHASE 1 (2 SEC.)**	**PHASE 2 (2 SEC.)**	**PHASE 1 (2 SEC.)**	**PHASE 2 (2 SEC.)**	**PHASE 1 (2 SEC.)**	**PHASE 2 (2 SEC.)**
*1EB (PCMS)	IH 90/94 EB GENERAL CONSTRUCTION	ROAD WORK BEGINS	MONTH_ DATE	TRAFFIC PATTERN CHANGE	BEGINS MONTH_ DATE			TRAFFIC PATTERN CHANGE	BEGINS MONTH_ DATE					TRAFFIC PATTERN CHANGE	BEGINS MONTH_ DATE	TRAFFIC PATTERN CHANGE	BEGINS MONTH_ DATE
2EB, 3EB, 4EB (FBS)	IH 90/94 EB LANE SHIFT ONTO TEMPORARY MEDIAN			STOPPED OR SLOWED TRAFFIC WHEN FLASHING													
*1WB (PCMS)	IH 90/94 WB GENERAL CONSTRUCTION	ROAD WORK BEGINS	MONTH_ DATE					TRAFFIC PATTERN CHANGE	BEGINS MONTH_ DATE	TRAFFIC PATTERN CHANGE	BEGINS MONTH_ DATE	TRAFFIC PATTERN CHANGE	BEGINS MONTH_ DATE	TRAFFIC PATTERN CHANGE	BEGINS MONTH_ DATE	TRAFFIC PATTERN CHANGE	BEGINS MONTH_ DATE
2WB, 3WB, 4WB (FBS)	IH 90/94 WB LANE SHIFT ONTO TEMPORARY MEDIAN									STOPPED OR SLOWED TRAFFIC WHEN FLASHING				STOPPED OR SLOWED TRAFFIC WHEN FLASHING			
*1EB82 & 1WB82 (PCMS)	STH 82 GENERAL CONSTRUCTION (WARNING)	ROAD WORK BEGINS	MONTH_ DATE			TRAFFIC PATTERN CHANGE	BEGINS MONTH_ DATE										
*1EB82 & 1WB82 (PCMS)	STH 82 BRIDGE CONSTRUCTION NIGHT TIME DETOUR (WARNING)			HWY 82 NIGHT CLOSURE	TO BEGIN DATE XX PM					HWY 82 NIGHT CLOSURE	TO BEGIN DATE XX PM					HWY 82 NIGHT CLOSURE	TO BEGIN DATE XX PM
1EB82 & 1WB82 (PCMS)	STH 82 BRIDGE CONSTRUCTION NIGHT TIME DETOUR			HWY 82 CLOSED AHEAD	USE I- 90/94 EB RAMP					HWY 82 CLOSED AHEAD	USE I-90/94 EB RAMP					HWY 82 CLOSED AHEAD	USE I-90/94 EB RAMP
1EB82 & 1WB82 (PCMS)	STH 82 OFF-PEAK NIGHT TIME FLAGGING OPERATIONS					ONE LANE ROAD AHEAD	BE PREPARED TO STOP										

* MESSAGE BOARD IN OPERATION A MINIMUM OF 7 DAYS PRIOR TO CONSTRUCTION

GENERAL NOTES FOR PCMS:

1. THE FIELD ENGINEER WILL MAKE THE FINAL DETERMINATION TO THE PLACEMENT OF PCMS BOARDS BASED UPON EXISTING CONDITIONS AND STAGING. CONSIDER GEOMETRICS WHEN LOCATING PCMS SO THE DRIVER HAS A CLEAR VIEW OF THE BOARD FOR A MINIMUM OF 1000 FEET IN FRONT OF THE PCMS.
2. PCMS SHOULD BE PLACED AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY IN ADVANCE OF HIGHWAY CONSTRUCTION PROJECTS. THE SIGNS SHOULD BE PLACED ON THE BACKSLOPE BEYOND THE DITCH. THE LOCATION SELECTED SHOULD BE AT OR SLIGHTLY ABOVE THE ELEVATION OF THE ROADWAY. FOR INTERMITTENT WORK SUCH AS INTERSTATE LANE CLOSURE, OR WHERE SITE CONDITIONS DO NOT ALLOW OTHERWISE, THE SIGNS MAY BE PLACED ON THE SHOULDER. THE SITE SHOULD BE VISITED TO ASSURE VISIBILITY, SAFETY, AND MAINTENANCE CONSIDERATIONS. A TAPER OF REFLECTIVE DRUMS OR BARRICADES SHOULD BE PLACE AHEAD OF PCMS PLACE ON THE SHOULDER IF IT IS NOT SHIELDED BY A BARRIER.
3. PCMS REQUIRED FOR STAGE 2 & 3A NIGHT TIME STH 82 STRUCTURES WORK WHEN TRAFFIC IS TO DETOURED ONTO RAMPS (SEE DETOUR PLAN FOR ADDITIONAL DETAILS).

SITE NO.	APPROXIMATE LOCATION
1EB (LOCATION 1, PRE-WARNING)	3-1/2 MILES BEFORE START OF PROJECT
1EB (LOCATION 2)	1 MILE BEFORE NEW LISBON EXIT
2EB	3-1/4 MILES BEFORE START OF PROJECT
3EB	2-1/4 MILES BEFORE START OF PROJECT
4EB	1-1/4 MILES BEFORE START OF PROJECT
1WB (LOCATION 1, PRE-WARNING)	3-1/2 MILES BEFORE START OF PROJECT
1WB (LOCATION 2)	1 MILE BEFORE LYNDON STATION EXIT
2WB	3-1/4 MILES BEFORE START OF PROJECT
3WB	2-1/4 MILES BEFORE START OF PROJECT
4WB	1-1/4 MILES BEFORE START OF PROJECT
1EB82	100' EAST OF STH 82 & STH 58/N UNION ST INTERSECTION
1WB82	1 MILE BEFORE START OF PROJECT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	TRAFFIC CONTROL PCMS OVERVIEW	SHEET 402	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\026702_TC_PCMS DETAIL.DWG
LAYOUT NAME - 01
PLOT DATE : 10/8/2021 2:03 PM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1:1.5 MI
WISDOT/CADDS SHEET 42

	MAXIMUM AVAILABLE WIDTH		XX' SIGNED WIDTH	
STAGE	STH EB	STH WB	STH EB	STH WB
2A	16'+	12'	N/A	11'
2B	13'	13'	12'	12'
2C	13'	13'	12'	12'
2D	12'	13'	11'	12'
2E	12'	13'	11'	12'
2F	13'	16'+	12'	N/A
2G	13'	13'	12'	12'

82 M1-6 24"X24"
MAX. XX WIDTH
W12-52 48"X48"
PLACE PRIOR TO STH 80 INTERCHANGE.

58

INTERSTATE 90
INTERSTATE 94

MAUSTON

EAST 82 M3-2 24"X12" M1-6 24"X24"
MAX. XX WIDTH
W12-52 48"X48"

82

N M1-55 24"X20"
MAX. 11' WIDTH
SIGNS ONLY REQ'D DURING STAGE 3
W12-52 48"X48"

MAX. 11' WIDTH
SIGNS ONLY REQ'D DURING STAGE 3
W12-52 48"X48"

WEST 82 M3-4 24"X12" M1-6 24"X24"
MAX. XX WIDTH
W12-52 48"X48"

82

WEST 82 M3-4 24"X12" M1-6 24"X24"
MAX. XX WIDTH
W12-52 48"X48"

WEST 82 M3-4 24"X12" M1-6 24"X24"
MAX. XX WIDTH
W12-52 48"X48"

11 MILES AHEAD
W057-52 36"X24"

82

WEST 82 M3-4 24"X12" M1-6 24"X24"
MAX. XX WIDTH
W12-52 48"X48"

13

82 M1-6 24"X24"
MAX. XX WIDTH
W12-52 48"X48"

12
16

G H HH K N O Z

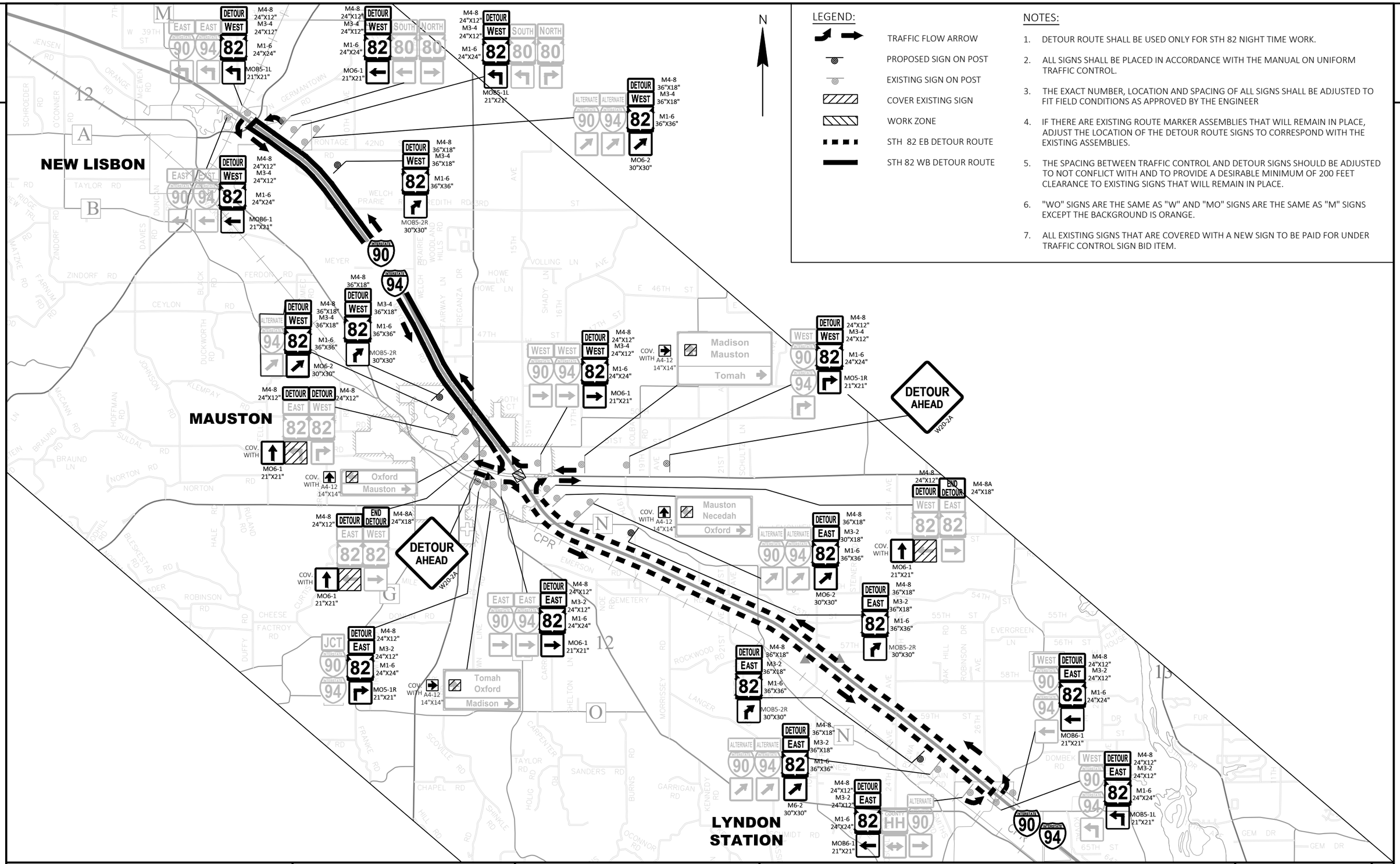
CPR

LYNDON STATION

LEGEND:
-WORK ZONE
-SIGN ON PERMANENT SUPPORT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ADVANCED WIDTH RESTRICTION SIGNING	SHEET 403	E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\026703_AW.DWG
LAYOUT NAME - 01
PLOT DATE : 10/1/2021 8:06 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
WISDOT/CADDS SHEET 42



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	DETOUR: NIGHT TIME BRIDGE WORK OVER STH 82	SHEET 404 E

FILE NAME : N:\PDS\C3D\10160500\SHEETSPLAN\1016-05-70\027001-DT.DWG
LAYOUT NAME - 01
PLOT DATE : 11/16/2021 9:02 AM
PLOT BY : MICHAEL W. BUCCELLI
PLOT NAME :
PLOT SCALE : 1:1.5 MI
WISDOT/CADDS SHEET 42

2

2

LEGEND

FENCE WOVEN WIRE 4-FT

N

STA 953+45WB 48.6' LT
BEGIN WOVEN WIRE FENCE

REMOVING FENCE

STA 952+27WB 100.0' LT
END FENCE WOVEN WIRE

STA 952+00WB 46.5' LT
BEGIN WOVEN WIRE FENCE

STA 953+87WB 104.7' LT

STA 954+41WB 114.6' LT

STA 955+05WB 114.8' LT

STA 955+65WB 100.4' LT
END FENCE WOVEN WIRE

REMOVING FENCE

PT: 950+46.31WB

PC: 954+37.09WB

949WB 950WB 951WB 952WB 953WB 954WB 955WB 956WB

949EB 950EB 951EB 952EB 953EB 954EB 955EB 956EB

REMOVING FENCE

STA 950+89EB 42.9' RT
END WOVEN WIRE FENCE

STA 950+46EB 96.8' RT
BEGIN WOVEN WIRE FENCE

SIGN

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	FENCING	SHEET 405	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\027101-FN.DWG
LAYOUT NAME - 027101_fn

PLOT DATE : 10/27/2021 7:00 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

LEGEND

FENCE WOVEN WIRE 4-FT

STA 973+43B 82.1' LT
BEGIN FENCE WOVEN WIRE

STA 975+86B 44.1' LT

STA 978+44B 83.8' LT

R/W

SI (TYP)

PT: 976+18.46B

REMOVING FENCE

FRONTIER

AT&T

EXISTING R/W

MATCH LINE STA 980+50B

974B
975B
976B
977B
978B
979B
980B

WESTBOUND ON RAMP 'B'

974WB
975WB
976WB
977WB
978WB

WESTBOUND IH 90/94

EASTBOUND IH 90/94

974EB
975EB
976EB

PT: 977+75.87WB

PT: 977+17.13EB

FO

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	FENCING	SHEET 406	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\027101-FN.DWG
LAYOUT NAME - 027102_fn

PLOT DATE : 10/27/2021 7:01 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

FENCE WOVEN WIRE 4-FT

N

MATCH LINE STA 980+50B

PC: 980+73.76B

REMOVING FENCE

R/W

981B

982B

983B

PT: 983+16.31B

WESTBOUND ON RAMP 'B'

984B

985B

STA 983+57B 62.0' LT

STA 984+28B 62.6' LT
END FENCE WOVEN WIRE

AT&T

ALLIANT

FRONTIER

EXISTING R/W

PC: 985+56.29B

PT: 985+86.60B

WESTBOUND STH 82

EASTBOUND STH 82

FO

OH

SIGN

FLAG

GUY

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	FENCING	SHEET 407	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\027101-FN.DWG
LAYOUT NAME - 027103_fn

PLOT DATE : 10/27/2021 7:01 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

986EB

988WB

987EB

988EB

N

PT: 981+41.35D

PT: 981+65.25D

PT: 981+82.81D

982D

PT: 983+39.95D

983D

984D

985D

986D

PC: 987+00.64D

987D

988D

EASTBOUND ON RAMP 'D'

EXISTING R/W

R/W

STA 981+62D 41.8' RT
BEGIN FENCE WOVEN WIRE

STA 982+99D 35.8' RT

REMOVING FENCE

STA 988+82D 47.8' RT
END FENCE WOVEN WIRE

LEGEND

FENCE WOVEN WIRE 4-FT

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	FENCING	SHEET 408	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\027101-FN.DWG
LAYOUT NAME - 027104_fn

PLOT DATE : 10/27/2021 7:02 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

FENCE WOVEN WIRE 4-FT

N

ALLIANT

STA 990+72A 38.9' LT
BEGIN FENCE WOVEN WIRE

AT&T

STA 993+50A 61.9' LT

R/W

REMOVING FENCE

FRONTIER

STA 996+42A 62.6' LT

STA 997+38A 48.6' LT
END FENCE WOVEN WIRE

PC: 997+38.25A

EXISTING R/W

SIGN

991A 992A 993A 994A 995A 996A 997A 998A

WESTBOUND OFF RAMP 'A'

PT: 994+77.11WB

PC: 990+42.92WB

WESTBOUND IH 90/94

991WB 992WB 993WB 994WB 995WB 996WB 997WB 998WB

PT: 994+18.28EB

PT: 994+39.52D

EP: 997+40.06D

991EB 992EB 993EB 994EB 995EB 996EB 997EB 998EB

EASTBOUND IH 90/94

991D 992D 993D 994D 995D 996D 997D

ATC

EXISTING R/W

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	FENCING	SHEET 409	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\027101-FN.DWG
LAYOUT NAME - 027105_fn

PLOT DATE : 10/27/2021 7:02 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

FENCE WOVEN WIRE 4-FT

REMOVING FENCE

STA 1014+80WB 83.1' LT

STA 1014+75WB 38.6' LT
BEGIN FENCE WOVEN WIRE

AT&T

EXISTING R/W

FO

PC: 1007+79.55EB

PC: 1008+91.43WB

1008WB

1009WB

1010WB

1011WB

WESTBOUND IH 90/94

PT: 1012+26.07WB

1012WB

1013WB

1014WB

1015WB

PC: 1014+61.85WB

RIPRAP

1008EB

1009EB

1010EB

1011EB

EASTBOUND IH 90/94

1012EB

1013EB

1014EB

1015EB

MATCH LINE STA 1015+25EB

REMOVING FENCE

EXISTING R/W

STA 1014+33EB 84.2' RT

STA 1012+19EB 72.2' RT
END FENCE WOVEN WIRE

R/W

STA 1012+13EB 101.6' RT

STA 1014+33EB 73.7' RT
BEGIN FENCE WOVEN WIRE

OH

STA 1008+50EB 100.7' RT

STA 1008+34EB 89.4' RT
BEGIN FENCE WOVEN WIRE

ATC

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	FENCING	SHEET 410	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\027101-FN.DWG
LAYOUT NAME - 027106_fn

PLOT DATE : 10/27/2021 7:02 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

FENCE WOVEN WIRE 4-FT

N

REMOVING FENCE

AT&T

STA 1017+02WB 83.4' LT
END FENCE WOVEN WIRE

EXISTING R/W

FO

SIGN

PC: 1017+17.26WB

WESTBOUND IH 90/94

1016WB 1017WB 1018WB 1019WB 1020WB 1021WB 1022WB

MATCH LINE STA 1015+25EB

MATCH LINE STA 1022+25EB

1016EB 1017EB 1018EB 1019EB 1020EB 1021EB 1022EB

EASTBOUND IH 90/94

REMOVING FENCE

EXISTING R/W

OH

FENCE WOVEN WIRE

ATC

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	FENCING	SHEET 411	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\027101-FN.DWG
LAYOUT NAME - 027107_fn

PLOT DATE : 10/27/2021 7:03 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

LEGEND

FENCE WOVEN WIRE 4-FT

N

STA 1024+31WB 87.8' LT

STA 1025+88WB 88.5' LT
END FENCE WOVEN WIRE

STA 1024+26WB 93.0' LT
BEGIN FENCE WOVEN WIRE

REMOVING FENCE

SIGN

EXISTING R/W

1029WB

1028WB

1027WB

1026WB

1025WB

1024WB

1023WB

WESTBOUND IH 90/94

MATCH LINE STA 1022+25EB

1029EB

1028EB

1027EB

1026EB

1025EB

1024EB

1023EB

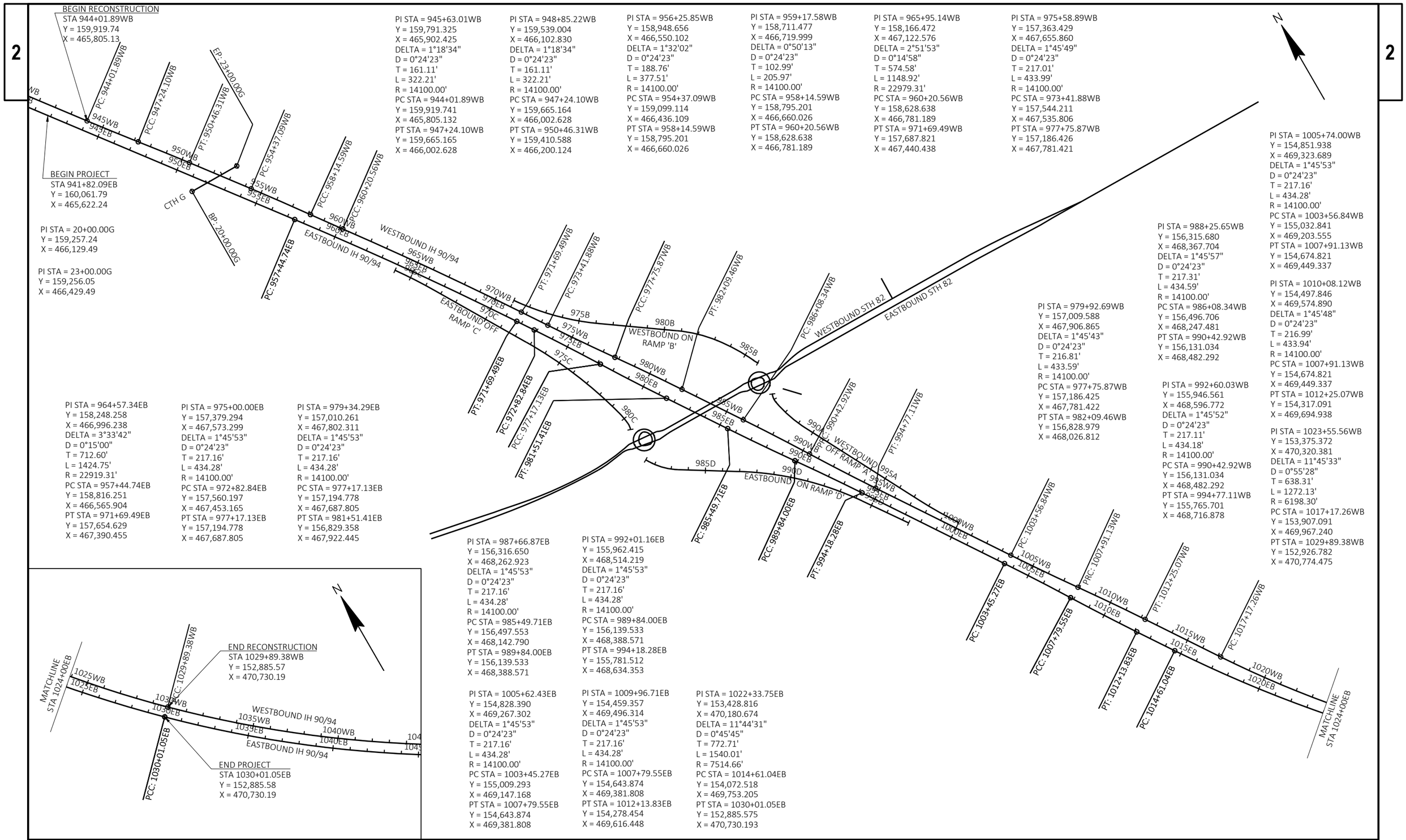
EASTBOUND IH 90/94

EXISTING R/W

STA 1025+87EB 95.0 RT
END FENCE WOVEN WIRE

STA 1025+77EB 96.3' RT

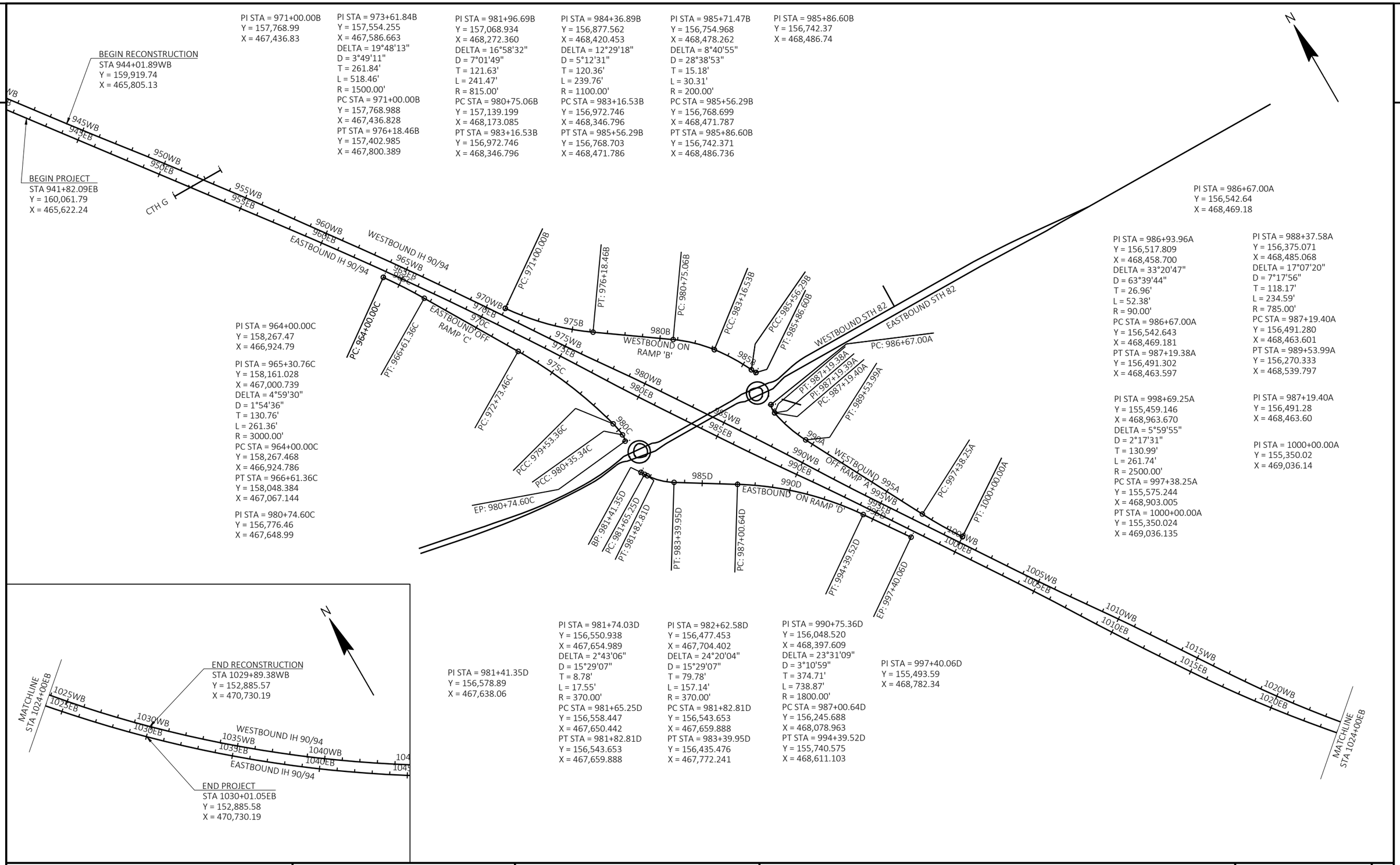
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	FENCING	SHEET 412	E



2

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ALIGNMENT DIAGRAM	SHEET 413	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\027201_AD.DWG
LAYOUT NAME - 01
PLOT DATE : 12/9/2021 9:50 AM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42



PI STA = 971+00.00B
Y = 157,768.99
X = 467,436.83

PI STA = 973+61.84B
Y = 157,554.255
X = 467,586.663
DELTA = 19°48'13"
D = 3°49'11"
T = 261.84'
L = 518.46'
R = 1500.00'
PC STA = 971+00.00B
Y = 157,768.988
X = 467,436.828
PT STA = 976+18.46B
Y = 157,402.985
X = 467,800.389

PI STA = 981+96.69B
Y = 157,068.934
X = 468,272.360
DELTA = 16°58'32"
D = 7°01'49"
T = 121.63'
L = 241.47'
R = 815.00'
PC STA = 980+75.06B
Y = 157,139.199
X = 468,173.085
PT STA = 983+16.53B
Y = 156,972.746
X = 468,346.796

PI STA = 984+36.89B
Y = 156,877.562
X = 468,420.453
DELTA = 12°29'18"
D = 5°12'31"
T = 120.36'
L = 239.76'
R = 1100.00'
PC STA = 983+16.53B
Y = 156,972.746
X = 468,346.796
PT STA = 985+56.29B
Y = 156,768.703
X = 468,471.786

PI STA = 985+71.47B
Y = 156,754.968
X = 468,478.262
DELTA = 8°40'55"
D = 28°38'53"
T = 15.18'
L = 30.31'
R = 200.00'
PC STA = 985+56.29B
Y = 156,768.699
X = 468,471.787
PT STA = 985+86.60B
Y = 156,742.371
X = 468,486.736

PI STA = 985+86.60B
Y = 156,742.37
X = 468,486.74

PI STA = 986+67.00A
Y = 156,542.64
X = 468,469.18

PI STA = 986+93.96A
Y = 156,517.809
X = 468,458.700
DELTA = 33°20'47"
D = 63°39'44"
T = 26.96'
L = 52.38'
R = 90.00'
PC STA = 986+67.00A
Y = 156,542.643
X = 468,469.181
PT STA = 987+19.38A
Y = 156,491.302
X = 468,463.597

PI STA = 988+37.58A
Y = 156,375.071
X = 468,485.068
DELTA = 17°07'20"
D = 7°17'56"
T = 118.17'
L = 234.59'
R = 785.00'
PC STA = 987+19.40A
Y = 156,491.280
X = 468,463.601
PT STA = 989+53.99A
Y = 156,270.333
X = 468,539.797

PI STA = 998+69.25A
Y = 155,459.146
X = 468,963.670
DELTA = 5°59'55"
D = 2°17'31"
T = 130.99'
L = 261.74'
R = 2500.00'
PC STA = 997+38.25A
Y = 155,575.244
X = 468,903.005
PT STA = 1000+00.00A
Y = 155,350.024
X = 469,036.135

PI STA = 987+19.40A
Y = 156,491.28
X = 468,463.60

PI STA = 1000+00.00A
Y = 155,350.02
X = 469,036.14

PI STA = 964+00.00C
Y = 158,267.47
X = 466,924.79

PI STA = 965+30.76C
Y = 158,161.028
X = 467,000.739
DELTA = 4°59'30"
D = 1°54'36"
T = 130.76'
L = 261.36'
R = 3000.00'
PC STA = 964+00.00C
Y = 158,267.468
X = 466,924.786
PT STA = 966+61.36C
Y = 158,048.384
X = 467,067.144

PI STA = 980+74.60C
Y = 156,776.46
X = 467,648.99

PI STA = 981+41.35D
Y = 156,578.89
X = 467,638.06

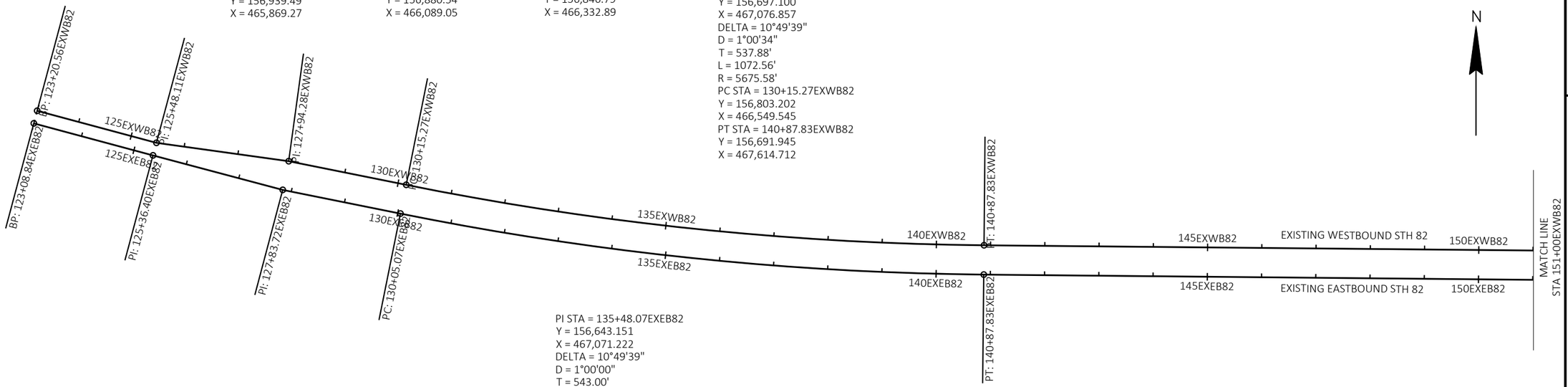
PI STA = 981+74.03D
Y = 156,550.938
X = 467,654.989
DELTA = 2°43'06"
D = 15°29'07"
T = 8.78'
L = 17.55'
R = 370.00'
PC STA = 981+65.25D
Y = 156,558.447
X = 467,650.442
PT STA = 981+82.81D
Y = 156,543.653
X = 467,659.888

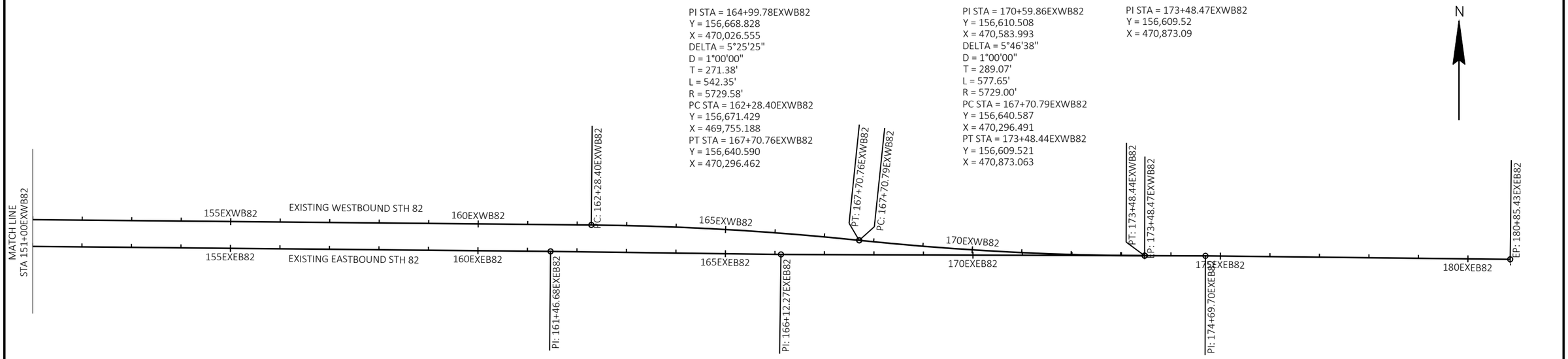
PI STA = 982+62.58D
Y = 156,477.453
X = 467,704.402
DELTA = 24°20'04"
D = 15°29'07"
T = 79.78'
L = 157.14'
R = 370.00'
PC STA = 981+82.81D
Y = 156,543.653
X = 467,659.888
PT STA = 983+39.95D
Y = 156,435.476
X = 467,772.241

PI STA = 990+75.36D
Y = 156,048.520
X = 468,397.609
DELTA = 23°31'09"
D = 3°10'59"
T = 374.71'
L = 738.87'
R = 1800.00'
PC STA = 987+00.64D
Y = 156,245.688
X = 468,078.963
PT STA = 994+39.52D
Y = 155,740.575
X = 468,611.103

PI STA = 997+40.06D
Y = 155,493.59
X = 468,782.34

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ALIGNMENT DIAGRAM	SHEET 414	E





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ALIGNMENT DIAGRAM	SHEET 415	E

2

PI STA = 136+06.95EB82
Y = 156,670.045
X = 467,132.207
DELTA = 6°45'43"
D = 1°25'57"
T = 236.31'
L = 472.07'
R = 4000.00'
PC STA = 133+70.64EB82
Y = 156,701.913
X = 466,898.057
PT STA = 138+42.71EB82
Y = 156,665.969
X = 467,368.481

PI STA = 138+82.26EB82
Y = 156,665.287
X = 467,408.027
DELTA = 8°52'09"
D = 11°14'04"
T = 39.55'
L = 78.95'
R = 510.00'
PC STA = 138+42.71EB82
Y = 156,665.969
X = 467,368.481
PT STA = 139+21.66EB82
Y = 156,670.710
X = 467,447.206

PI STA = 140+44.85EB82
Y = 156,687.601
X = 467,569.237
DELTA = 33°43'20"
D = 52°05'14"
T = 33.34'
L = 64.74'
R = 110.00'
PC STA = 140+11.51EB82
Y = 156,683.030
X = 467,536.213
PT STA = 140+76.26EB82
Y = 156,673.070
X = 467,599.243

PI STA = 143+21.83EB82
Y = 156,648.766
X = 467,841.848
DELTA = 5°28'17"
D = 15°39'17"
T = 17.49'
L = 34.95'
R = 366.00'
PC STA = 143+04.34EB82
Y = 156,647.265
X = 467,824.423
PT STA = 143+39.29EB82
Y = 156,648.598
X = 467,859.336

PI STA = 148+03.17EB82
Y = 156,644.152
X = 468,323.189
DELTA = 27°52'36"
D = 52°05'14"
T = 27.30'
L = 53.52'
R = 110.00'
PC STA = 147+75.87EB82
Y = 156,644.414
X = 468,295.890
PT STA = 148+29.39EB82
Y = 156,631.157
X = 468,347.198

PI STA = 150+80.51EB82
Y = 156,634.974
X = 468,594.616
DELTA = 2°53'29"
D = 7°09'43"
T = 20.19'
L = 40.37'
R = 800.00'
PC STA = 150+60.32EB82
Y = 156,629.285
X = 468,575.243
PT STA = 151+00.70EB82
Y = 156,639.678
X = 468,614.250

N

EASTBOUND OFF RAMP 'C'
EASTBOUND IH 90/94
WESTBOUND IH 90/94
WESTBOUND ON RAMP 'B'

130WB82
130EB82
135WB82
135EB82
140WB82
140EB82
145WB82
145EB82
150WB82
150EB82
155WB82
155EB82

PC: 130+08.76EB82
PCC: 133+70.64EB82
PCC: 138+42.71EB82
PT: 139+21.66EB82
PC: 140+11.51EB82
PT: 140+76.26EB82
PI: 140+76.26EB82
142+49.64EB82
PC: 143+04.34EB82
PT: 143+39.29EB82
PC: 147+78.87EB82
PI: 148+29.39EB82
PI: 148+29.39EB82
PI: 150+08.03EB82
PC: 150+60.32EB82
PT: 151+00.70EB82
PI: 151+00.70EB82

WESTBOUND STH 82
EASTBOUND STH 82
MATCH LINE
STA 158+00WB82

PI STA = 131+89.76EB82
Y = 156726.322
X = 466718.707
DELTA = 3°37'35"
D = 1°00'08"
T = 181.00'
L = 361.89'
R = 5717.58'
PC STA = 130+08.76EB82
Y = 156762.027
X = 466541.260
PT STA = 133+70.64EB82
Y = 156701.913
X = 466898.057
BK = S78°37'23.7"E
AH = S82°14'58.9"E

PI STA = 140+76.26EB82
Y = 156,673.07
X = 467,599.24

PI STA = 142+49.64EB82
Y = 156,642.57
X = 467,769.93

985D
EASTBOUND ON RAMP 'D'
WESTBOUND OFF RAMP 'A'

PI STA = 148+29.39EB82
Y = 156,631.16
X = 468,347.20

PI STA = 150+08.03EB82
Y = 156,614.55
X = 468,525.07

PI STA = 151+00.70EB82
Y = 156,639.68
X = 468,614.25

PI STA = 130+09.94WB82
Y = 156,791.44
X = 466,547.18

PI STA = 131+85.44WB82
Y = 156,755.94
X = 466,719.05

PI STA = 132+35.44WB82
Y = 156,747.43
X = 466,768.32

PI STA = 140+73.10WB82
Y = 156,705.55
X = 467,598.86

PI STA = 142+51.46WB82
Y = 156,690.16
X = 467,776.55

PI STA = 148+30.04WB82
Y = 156,676.46
X = 468,352.76

PI STA = 150+02.01WB82
Y = 156,655.11
X = 468,523.40

PI STA = 152+09.23WB82
Y = 156,680.572
X = 468,726.194
DELTA = 12°55'10"
D = 11°14'04"
T = 57.74'
L = 115.00'
R = 510.00'
PC STA = 151+51.48WB82
Y = 156,668.219
X = 468,669.786
PT STA = 152+66.48WB82
Y = 156,680.000
X = 468,783.935

N

EASTBOUND OFF RAMP 'C'
EASTBOUND IH 90/94
WESTBOUND IH 90/94
WESTBOUND ON RAMP 'B'

130WB82
130EB82
135WB82
135EB82
140WB82
140EB82
145WB82
145EB82
150WB82
150EB82
155WB82
155EB82

PI: 130+09.94WB82
PI: 131+85.44WB82
PI: 132+35.44WB82
PC: 133+42.58WB82
PCC: 138+03.78WB82
PT: 140+73.10WB82
PI: 140+73.10WB82
PI: 142+51.46WB82
PC: 142+51.46WB82
PT: 143+04.98WB82
PC: 147+49.86WB82
PT: 148+30.04WB82
PI: 148+30.04WB82
PI: 150+02.01WB82
PT: 150+02.01WB82
PI: 150+66.75WB82
PC: 151+51.48WB82
PT: 152+66.48WB82

WESTBOUND STH 82
EASTBOUND STH 82
MATCH LINE
STA 158+00WB82

PI STA = 135+73.83WB82
Y = 156,681.393
X = 467,100.210
DELTA = 10°34'12"
D = 2°17'31"
T = 231.26'
L = 461.20'
R = 2500.00'
PC STA = 133+42.58WB82
Y = 156,726.520
X = 466,873.397
PT STA = 138+03.78WB82
Y = 156,678.638
X = 467,331.451

PI STA = 139+39.01WB82
Y = 156,677.027
X = 467,466.670
DELTA = 12°51'33"
D = 4°46'29"
T = 135.23'
L = 269.32'
R = 1200.00'
PC STA = 138+03.78WB82
Y = 156,678.638
X = 467,331.451
PT STA = 140+73.10WB82
Y = 156,705.550
X = 467,598.855

PI STA = 142+78.76WB82
Y = 156,677.163
X = 467,800.560
DELTA = 27°52'37"
D = 52°05'13"
T = 27.30'
L = 53.52'
R = 110.00'
PC STA = 142+51.46WB82
Y = 156,690.158
X = 467,776.551
PT STA = 143+04.98WB82
Y = 156,676.901
X = 467,827.859

985D
EASTBOUND ON RAMP 'D'
WESTBOUND OFF RAMP 'A'

PI STA = 147+89.99WB82
Y = 156,672.253
X = 468,312.852
DELTA = 6°33'46"
D = 8°11'06"
T = 40.13'
L = 80.18'
R = 700.00'
PC STA = 147+49.86WB82
Y = 156,672.637
X = 468,272.720
PT STA = 148+30.04WB82
Y = 156,676.457
X = 468,352.765

PI STA = 150+35.35WB82
Y = 156,642.960
X = 468,554.447
DELTA = 33°43'20"
D = 52°05'15"
T = 33.34'
L = 64.74'
R = 110.00'
PC STA = 150+02.01WB82
Y = 156,655.108
X = 468,523.400
PT STA = 150+66.75WB82
Y = 156,650.092
X = 468,587.014

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ALIGNMENT DIAGRAM	SHEET 416	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\027201_AD.DWG
LAYOUT NAME - 04
PLOT DATE : 12/9/2021 9:50 AM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42

2

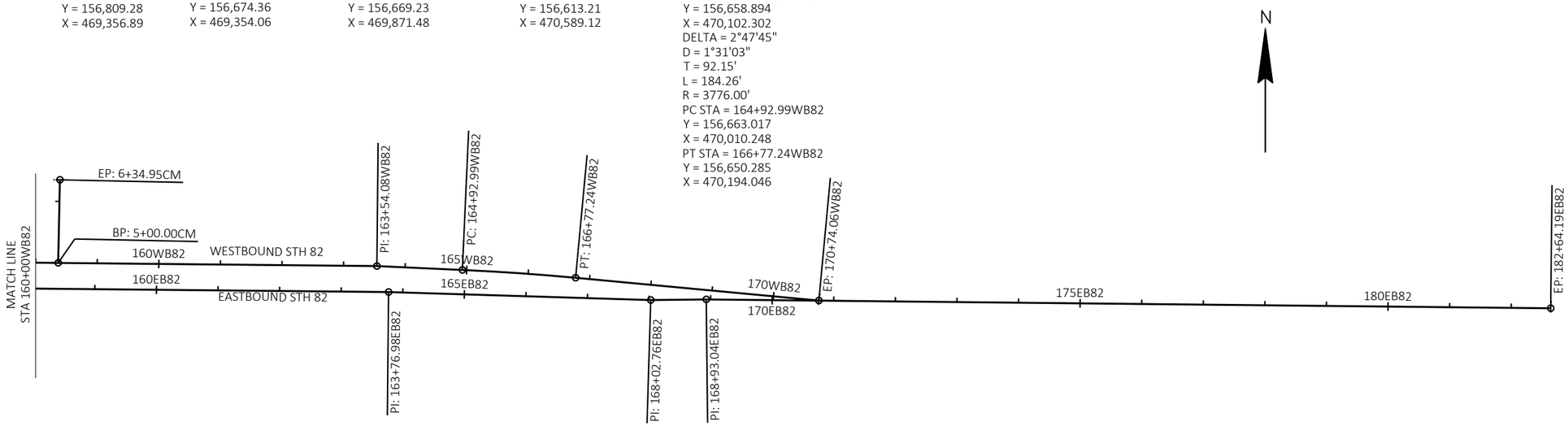
PI STA = 6+34.95CM
Y = 156,809.28
X = 469,356.89

PI STA = 5+00.00CM
Y = 156,674.36
X = 469,354.06

PI STA = 163+54.08WB82
Y = 156,669.23
X = 469,871.48

PI STA = 170+74.06WB82
Y = 156,613.21
X = 470,589.12

PI STA = 165+85.13WB82
Y = 156,658.894
X = 470,102.302
DELTA = 2°47'45"
D = 1°31'03"
T = 92.15'
L = 184.26'
R = 3776.00'
PC STA = 164+92.99WB82
Y = 156,663.017
X = 470,010.248
PT STA = 166+77.24WB82
Y = 156,650.285
X = 470,194.046



PI STA = 163+76.98EB82
Y = 156,627.04
X = 469,890.48

PI STA = 168+02.76EB82
Y = 156,614.19
X = 470,316.06

PI STA = 168+93.04EB82
Y = 156,615.12
X = 470,406.33

PI STA = 182+64.19EB82
Y = 156,600.81
X = 471,777.40

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ALIGNMENT DIAGRAM	SHEET 417	E

2

PI STA = 10+20.59SWSN
Y = 156,653.615
X = 467,388.862
DELTA = 4°31'04"
D = 10°58'35"
T = 20.59'
L = 41.16'
R = 521.99'
PC STA = 10+00.00SWSN
Y = 156,653.971
X = 467,368.274
PT STA = 10+41.16SWSN
Y = 156,654.883
X = 467,409.413

PI STA = 12+53.62SWSN
Y = 156,640.054
X = 467,613.639
DELTA = 28°55'21"
D = 286°28'44"
T = 5.16'
L = 10.10'
R = 20.00'
PC STA = 12+48.46SWSN
Y = 156,643.570
X = 467,609.865
PT STA = 12+58.56SWSN
Y = 156,635.152
X = 467,615.242

PI STA = 12+11.37SWSN
Y = 156,672.739
X = 467,578.559
DELTA = 50°51'23"
D = 63°39'43"
T = 42.79'
L = 79.88'
R = 90.00'
PC STA = 11+68.58SWSN
Y = 156,666.872
X = 467,536.173
PT STA = 12+48.46SWSN
Y = 156,643.570
X = 467,609.865

PI STA = 12+66.35SWSN
Y = 156,627.742
X = 467,617.664
DELTA = 2°24'50"
D = 15°29'08"
T = 7.80'
L = 15.59'
R = 369.99'
PC STA = 12+58.56SWSN
Y = 156,635.151
X = 467,615.242
PT STA = 12+74.15SWSN
Y = 156,620.441
X = 467,620.396

PI STA = 10+00.00WRNW
Y = 156,711.44
X = 467,430.72

PI STA = 10+02.25WRNW
Y = 156,711.50
X = 467,432.97

PI STA = 10+11.13WRNW
Y = 156,711.76
X = 467,441.84

PI STA = 10+20.00WRNW
Y = 156,712.18
X = 467,450.70

PI STA = 10+84.00WRNW
Y = 156,709.23
X = 467,514.63

PI STA = 11+13.71SWSN
Y = 156,659.35
X = 467,481.83

PI STA = 10+00.00SWSN
Y = 156,653.97
X = 467,368.27

PI STA = 12+74.15SWSN
Y = 156,620.44
X = 467,620.40

PI STA = 12+80.39WRNW
Y = 156,815.11
X = 467,653.77

PI STA = 10+68.57WRAB
Y = 156,619.650
X = 467,620.200
DELTA = 94°51'06"
D = 90°56'45"
T = 68.57'
L = 104.29'
R = 63.00'
PC STA = 10+00.00WRAB
Y = 156,688.067
X = 467,624.837
PT STA = 11+04.29WRAB
Y = 156,620.817
X = 467,688.764

PI STA = 11+62.17WRAB
Y = 156,621.801
X = 467,746.633
DELTA = 85°08'54"
D = 90°56'55"
T = 57.88'
L = 93.62'
R = 63.00'
PC STA = 11+04.29WRAB
Y = 156,620.817
X = 467,688.764
PT STA = 11+97.92WRAB
Y = 156,679.545
X = 467,750.547

PI STA = 12+66.49WRAB
Y = 156,747.964
X = 467,755.184
DELTA = 94°51'06"
D = 90°56'45"
T = 68.57'
L = 104.29'
R = 63.00'
PC STA = 11+97.92WRAB
Y = 156,679.548
X = 467,750.547
PT STA = 13+02.21WRAB
Y = 156,746.798
X = 467,686.620

PI STA = 10+00.00W82L
Y = 156,740.57
X = 467,748.25

PI STA = 10+64.87W82L
Y = 156,693.240
X = 467,792.611
DELTA = 46°18'17"
D = 63°39'43"
T = 38.49'
L = 72.74'
R = 90.00'
PC STA = 10+26.38W82L
Y = 156,721.319
X = 467,766.293
PT STA = 10+99.12W82L
Y = 156,692.871
X = 467,831.095

PI STA = 13+60.09WRAB
Y = 156,745.814
X = 467,628.751
DELTA = 85°08'54"
D = 90°56'55"
T = 57.88'
L = 93.62'
R = 63.00'
PC STA = 13+02.21WRAB
Y = 156,746.798
X = 467,686.620
PT STA = 13+95.84WRAB
Y = 156,688.069
X = 467,624.837

PI STA = 10+00.00SWBR
Y = 156,633.11
X = 467,388.04

PI STA = 10+20.00SWBR
Y = 156,631.90
X = 467,408.00

PI STA = 10+84.00SWBR
Y = 156,631.49
X = 467,472.00

PI STA = 12+62.00SWBR
Y = 156,578.89
X = 467,638.06

PI STA = 11+59.17SWBR
Y = 156,626.481
X = 467,546.998
DELTA = 18°57'56"
D = 12°43'57"
T = 75.17'
L = 148.96'
R = 450.00'
PC STA = 10+84.00SWBR
Y = 156,631.493
X = 467,472.000
PT STA = 12+32.96SWBR
Y = 156,597.366
X = 467,616.295

PI STA = 12+48.34SWBR
Y = 156,591.406
X = 467,630.481
DELTA = 36°00'42"
D = 127°19'26"
T = 14.63'
L = 28.28'
R = 45.00'
PC STA = 12+33.72SWBR
Y = 156,597.072
X = 467,616.997
PT STA = 12+62.00SWBR
Y = 156,578.895
X = 467,638.058

PI STA = 10+00.00SWBP
Y = 156,653.97
X = 467,368.27

PI STA = 10+10.40SWBP
Y = 156,653.79
X = 467,378.67

PI STA = 10+86.04SWBP
Y = 156,652.878
X = 467,454.310
DELTA = 8°46'44"
D = 6°44'27"
T = 65.25'
L = 130.24'
R = 850.00'
PC STA = 10+20.80SWBP
Y = 156,653.666
X = 467,389.069
PT STA = 11+51.03SWBP
Y = 156,642.143
X = 467,518.667

PI STA = 11+94.75SWBP
Y = 156,634.950
X = 467,561.791
DELTA = 10°43'10"
D = 12°17'43"
T = 43.72'
L = 87.18'
R = 466.00'
PC STA = 11+51.03SWBP
Y = 156,642.143
X = 467,518.668
PT STA = 12+38.22SWBP
Y = 156,619.861
X = 467,602.824

PI STA = 12+51.48SWBP
Y = 156,615.28
X = 467,615.27

PI STA = 7+59.70WRAB CC
Y = 156,665.549
X = 467,654.154
DELTA = 62°54'14"
D = 286°29'36"
T = 12.23'
L = 21.96'
R = 20.00'
PC STA = 7+47.47WRAB CC
Y = 156,677.756
X = 467,654.938
PT STA = 7+69.43WRAB CC
Y = 156,659.291
X = 467,664.664

PI STA = 7+91.51WRAB CC
Y = 156,647.990
X = 467,683.642
DELTA = 24°54'37"
D = 57°17'45"
T = 22.09'
L = 43.48'
R = 100.00'
PC STA = 7+69.43WRAB CC
Y = 156,659.291
X = 467,664.665
PT STA = 8+12.90WRAB CC
Y = 156,645.734
X = 467,705.614

PI STA = 8+22.99WRAB CC
Y = 156,644.703
X = 467,715.652
DELTA = 53°32'34"
D = 286°28'44"
T = 10.09'
L = 18.69'
R = 20.00'
PC STA = 8+12.90WRAB CC
Y = 156,645.734
X = 467,705.614
PT STA = 8+31.59WRAB CC
Y = 156,652.164
X = 467,722.445

PI STA = 8+87.55WRAB CC
Y = 156,693.539
X = 467,760.118
DELTA = 99°56'37"
D = 121°54'21"
T = 55.96'
L = 81.98'
R = 47.00'
PC STA = 8+31.59WRAB CC
Y = 156,652.164
X = 467,722.445
PT STA = 9+13.58WRAB CC
Y = 156,723.502
X = 467,712.860

PI STA = 9+25.92WRAB CC
Y = 156,730.112
X = 467,702.434
DELTA = 52°33'41"
D = 229°10'59"
T = 12.35'
L = 22.93'
R = 25.00'
PC STA = 9+13.58WRAB CC
Y = 156,723.502
X = 467,712.860
PT STA = 9+36.51WRAB CC
Y = 156,725.852
X = 467,690.847

PI STA = 9+72.32WRAB CC
Y = 156,713.495
X = 467,657.235
DELTA = 66°08'16"
D = 104°10'34"
T = 35.81'
L = 63.49'
R = 55.00'
PC STA = 9+36.51WRAB CC
Y = 156,725.852
X = 467,690.846
PT STA = 10+00.00WRAB CC
Y = 156,677.758
X = 467,654.938

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ALIGNMENT DIAGRAM	SHEET 418 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\DETAILS\027201_AD.DWG
LAYOUT NAME - 06
PLOT DATE : 10/27/2021 7:06 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

PI STA = 15+87.39W82L
Y = 156,688.191
X = 468,319.344
DELTA = 17°47'27"
D = 16°22'13"
T = 54.78'
L = 108.68'
R = 350.00'
PC STA = 15+32.61W82L
Y = 156,688.716
X = 468,264.566
PT STA = 16+41.29W82L
Y = 156,704.428
X = 468,371.662

PI STA = 17+38.66W82L
Y = 156,715.602
X = 468,466.293
DELTA = 123°20'39"
D = 954°56'44"
T = 11.13'
L = 12.92'
R = 6.00'
PC STA = 17+27.53W82L
Y = 156,718.205
X = 468,455.471
PT STA = 17+40.44W82L
Y = 156,726.073
X = 468,462.519

PI STA = 17+86.08W82L
Y = 156,768.68
X = 468,446.15

PI STA = 17+05.79W82L
Y = 156,723.546
X = 468,433.263
DELTA = 30°45'52"
D = 69°01'55"
T = 22.83'
L = 44.57'
R = 83.00'
PC STA = 16+82.95W82L
Y = 156,716.778
X = 468,411.455
PT STA = 17+27.52W82L
Y = 156,718.206
X = 468,455.464

PI STA = 17+63.13W82L
Y = 156,747.414
X = 468,454.826
DELTA = 2°22'43"
D = 5°15'06"
T = 22.65'
L = 45.29'
R = 1091.00'
PC STA = 17+40.48W82L
Y = 156,726.108
X = 468,462.506
PT STA = 17+85.77W82L
Y = 156,768.384
X = 468,446.269

PI STA = 10+00.00NEBL
Y = 156,778.76
X = 468,466.98

PI STA = 10+05.57NEBL
Y = 156,773.741
X = 468,469.410
DELTA = 0°34'50"
D = 5°12'32"
T = 5.57'
L = 11.15'
R = 1099.97'
PC STA = 10+00.00NEBL
Y = 156,778.758
X = 468,466.982
PT STA = 10+11.15NEBL
Y = 156,768.700
X = 468,471.787

PI STA = 10+27.11NEBL
Y = 156,754.263
X = 468,478.594
DELTA = 9°07'32"
D = 28°38'52"
T = 15.96'
L = 31.85'
R = 200.00'
PC STA = 10+11.15NEBL
Y = 156,768.700
X = 468,471.787
PT STA = 10+43.00NEBL
Y = 156,741.089
X = 468,487.605

PI STA = 10+59.14NEBL
Y = 156,727.769
X = 468,496.716
DELTA = 39°27'30"
D = 127°19'26"
T = 16.14'
L = 30.99'
R = 45.00'
PC STA = 10+43.00NEBL
Y = 156,741.089
X = 468,487.605
PT STA = 10+73.99NEBL
Y = 156,723.275
X = 468,512.216

PI STA = 11+42.37NEBL
Y = 156,704.233
X = 468,577.887
DELTA = 17°16'46"
D = 12°43'57"
T = 68.38'
L = 135.71'
R = 450.00'
PC STA = 10+73.99NEBL
Y = 156,723.275
X = 468,512.216
PT STA = 12+09.71NEBL
Y = 156,705.557
X = 468,646.250

PI STA = 12+71.47NEBL
Y = 156,706.75
X = 468,708.00

PI STA = 13+97.66NEBL
Y = 156,705.50
X = 468,834.19

PI STA = 10+00.00NEBP
Y = 156,708.75
X = 468,504.87

PI STA = 12+65.79NEBP
Y = 156,691.93
X = 468,768.78

PI STA = 7+76.40ERAB CC
Y = 156,651.717
X = 468,470.238
DELTA = 75°30'26"
D = 286°28'54"
T = 15.49'
L = 26.36'
R = 20.00'
PC STA = 7+60.91ERAB CC
Y = 156,636.758
X = 468,466.226
PT STA = 7+87.27ERAB CC
Y = 156,659.345
X = 468,456.760

PI STA = 8+08.95ERAB CC
Y = 156,670.023
X = 468,437.893
DELTA = 22°17'54"
D = 52°05'13"
T = 21.68'
L = 42.81'
R = 110.00'
PC STA = 7+87.27ERAB CC
Y = 156,659.345
X = 468,456.760
PT STA = 8+30.08ERAB CC
Y = 156,672.744
X = 468,416.385

PI STA = 8+42.20ERAB CC
Y = 156,674.265
X = 468,404.357
DELTA = 62°26'53"
D = 286°28'49"
T = 12.12'
L = 21.80'
R = 20.00'
PC STA = 8+30.08ERAB CC
Y = 156,672.744
X = 468,416.385
PT STA = 8+51.88ERAB CC
Y = 156,664.305
X = 468,397.444

PI STA = 8+75.97ERAB CC
Y = 156,644.508
X = 468,383.704
DELTA = 54°17'25"
D = 121°54'21"
T = 24.10'
L = 44.53'
R = 47.00'
PC STA = 8+51.88ERAB CC
Y = 156,664.305
X = 468,397.444
PT STA = 8+96.41ERAB CC
Y = 156,621.796
X = 468,391.760

PI STA = 9+47.99ERAB CC
Y = 156,573.180
X = 468,409.003
DELTA = 111°41'09"
D = 163°42'08"
T = 51.58'
L = 68.23'
R = 35.00'
PC STA = 8+96.41ERAB CC
Y = 156,621.796
X = 468,391.760
PT STA = 9+64.64ERAB CC
Y = 156,607.167
X = 468,447.807

PI STA = 9+82.85ERAB CC
Y = 156,619.167
X = 468,461.507
DELTA = 33°46'13"
D = 95°29'37"
T = 18.21'
L = 35.36'
R = 60.00'
PC STA = 9+64.64ERAB CC
Y = 156,607.167
X = 468,447.807
PT STA = 10+00.00ERAB CC
Y = 156,636.758
X = 468,466.226

PI STA = 11+61.96ERAB
Y = 156,726.599
X = 468,436.935
DELTA = 90°00'00"
D = 90°56'45"
T = 63.00'
L = 98.96'
R = 63.00'
PC STA = 10+98.96ERAB
Y = 156,681.614
X = 468,481.041
PT STA = 11+97.92ERAB
Y = 156,682.493
X = 468,391.950

PI STA = 10+63.00ERAB
Y = 156,636.629
X = 468,525.147
DELTA = 90°00'00"
D = 90°56'45"
T = 63.00'
L = 98.96'
R = 63.00'
PC STA = 10+00.00ERAB
Y = 156,592.523
X = 468,480.162
PT STA = 10+98.96ERAB
Y = 156,681.614
X = 468,481.041

PI STA = 12+60.92ERAB
Y = 156,638.386
X = 468,346.965
DELTA = 90°00'00"
D = 90°56'45"
T = 63.00'
L = 98.96'
R = 63.00'
PC STA = 11+97.92ERAB
Y = 156,682.492
X = 468,391.950
PT STA = 12+96.88ERAB
Y = 156,593.401
X = 468,391.071

PI STA = 13+59.88ERAB
Y = 156,548.416
X = 468,435.177
DELTA = 90°00'00"
D = 90°56'45"
T = 63.00'
L = 98.96'
R = 63.00'
PC STA = 12+96.88ERAB
Y = 156,593.401
X = 468,391.071
PT STA = 13+95.84ERAB
Y = 156,592.522
X = 468,480.162

PI STA = 10+00.00NESS
Y = 156,703.64
X = 468,499.94

PI STA = 12+88.01NESS
Y = 156,691.93
X = 468,768.78

PI STA = 10+17.94NESS
Y = 156,686.910
X = 468,506.439
DELTA = 30°25'41"
D = 286°28'44"
T = 5.44'
L = 10.62'
R = 20.00'
PC STA = 10+12.50NESS
Y = 156,691.980
X = 468,504.470
PT STA = 10+23.13NESS
Y = 156,683.535
X = 468,510.705

PI STA = 10+65.76NESS
Y = 156,657.083
X = 468,544.144
DELTA = 50°41'54"
D = 63°39'48"
T = 42.64'
L = 79.63'
R = 90.00'
PC STA = 10+23.13NESS
Y = 156,683.535
X = 468,510.705
PT STA = 11+02.76NESS
Y = 156,666.204
X = 468,585.793

PI STA = 18+79.72E82R
Y = 156,628.075
X = 468,331.138
DELTA = 46°18'18"
D = 63°39'43"
T = 38.49'
L = 72.74'
R = 90.00'
PC STA = 18+41.24E82R
Y = 156,628.444
X = 468,292.654
PT STA = 19+13.97E82R
Y = 156,599.996
X = 468,357.457

PI STA = 19+83.25E82R
Y = 156,549.449
X = 468,404.834
DELTA = 54°39'46"
D = 69°01'52"
T = 42.90'
L = 79.19'
R = 83.00'
PC STA = 19+40.36E82R
Y = 156,580.747
X = 468,375.498
PT STA = 20+19.54E82R
Y = 156,555.277
X = 468,447.333

PI STA = 20+19.54E82R
Y = 156,555.28
X = 468,447.33

PI STA = 20+43.26DT
Y = 156,538.63
X = 468,537.38

PI STA = 21+58.57DT
Y = 156,454.93
X = 468,616.69

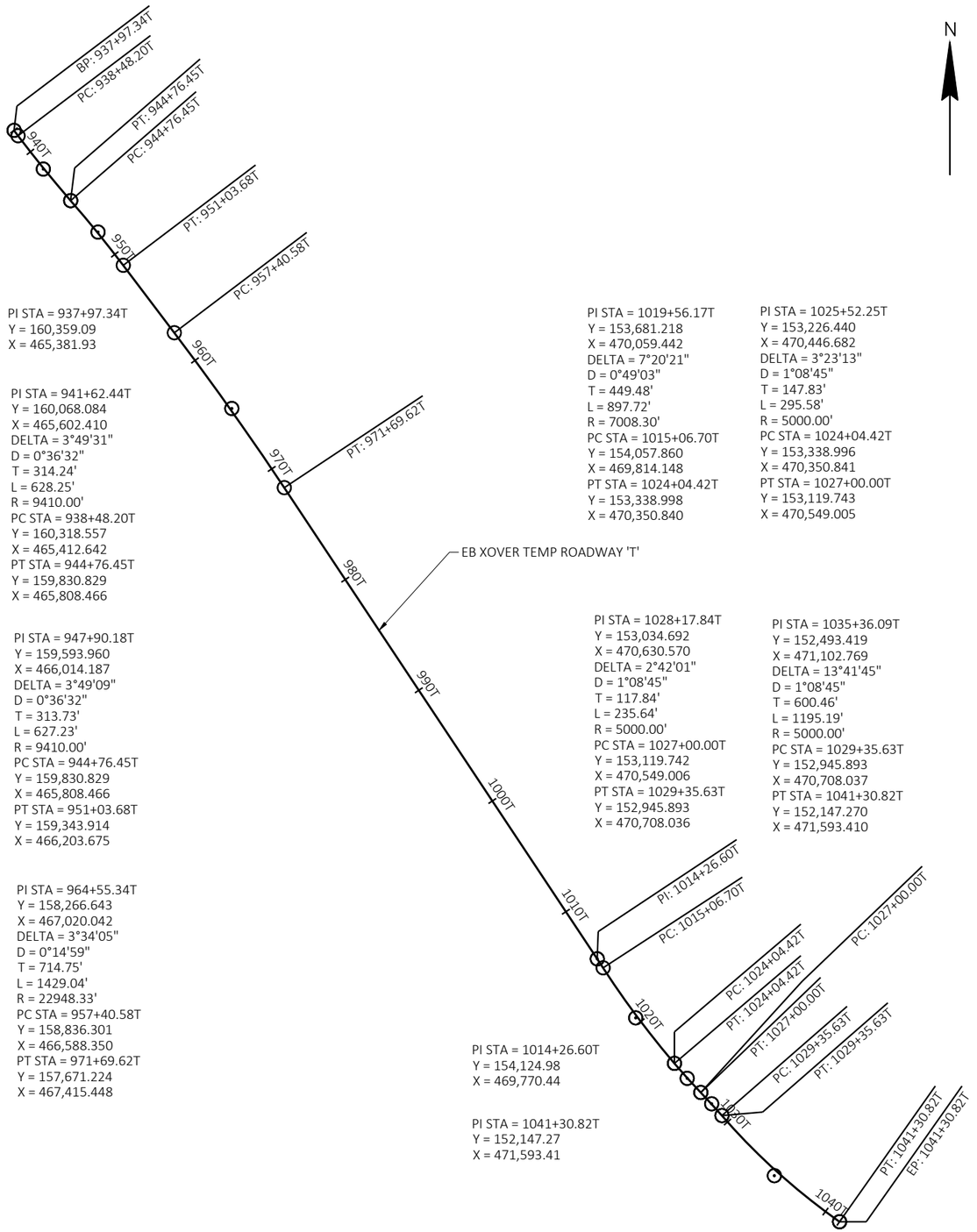
PI STA = 10+52.00ERSE
Y = 156,491.30
X = 468,463.60

PI STA = 12+30.59ERSE
Y = 156,606.24
X = 468,573.32

PI STA = 12+94.59ERSE
Y = 156,611.66
X = 468,637.09

PI STA = 13+14.59ERSE
Y = 156,613.82
X = 468,656.98

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ALIGNMENT DIAGRAM	SHEET 419 E



PI STA = 937+97.34T
Y = 160,359.09
X = 465,381.93

PI STA = 941+62.44T
Y = 160,068.084
X = 465,602.410
DELTA = 3°49'31"
D = 0°36'32"
T = 314.24'
L = 628.25'
R = 9410.00'
PC STA = 938+48.20T
Y = 160,318.557
X = 465,412.642
PT STA = 944+76.45T
Y = 159,830.829
X = 465,808.466

PI STA = 947+90.18T
Y = 159,593.960
X = 466,014.187
DELTA = 3°49'09"
D = 0°36'32"
T = 313.73'
L = 627.23'
R = 9410.00'
PC STA = 944+76.45T
Y = 159,830.829
X = 465,808.466
PT STA = 951+03.68T
Y = 159,343.914
X = 466,203.675

PI STA = 964+55.34T
Y = 158,266.643
X = 467,020.042
DELTA = 3°34'05"
D = 0°14'59"
T = 714.75'
L = 1429.04'
R = 22948.33'
PC STA = 957+40.58T
Y = 158,836.301
X = 466,588.350
PT STA = 971+69.62T
Y = 157,671.224
X = 467,415.448

PI STA = 1019+56.17T
Y = 153,681.218
X = 470,059.442
DELTA = 7°20'21"
D = 0°49'03"
T = 449.48'
L = 897.72'
R = 7008.30'
PC STA = 1015+06.70T
Y = 154,057.860
X = 469,814.148
PT STA = 1024+04.42T
Y = 153,338.998
X = 470,350.840

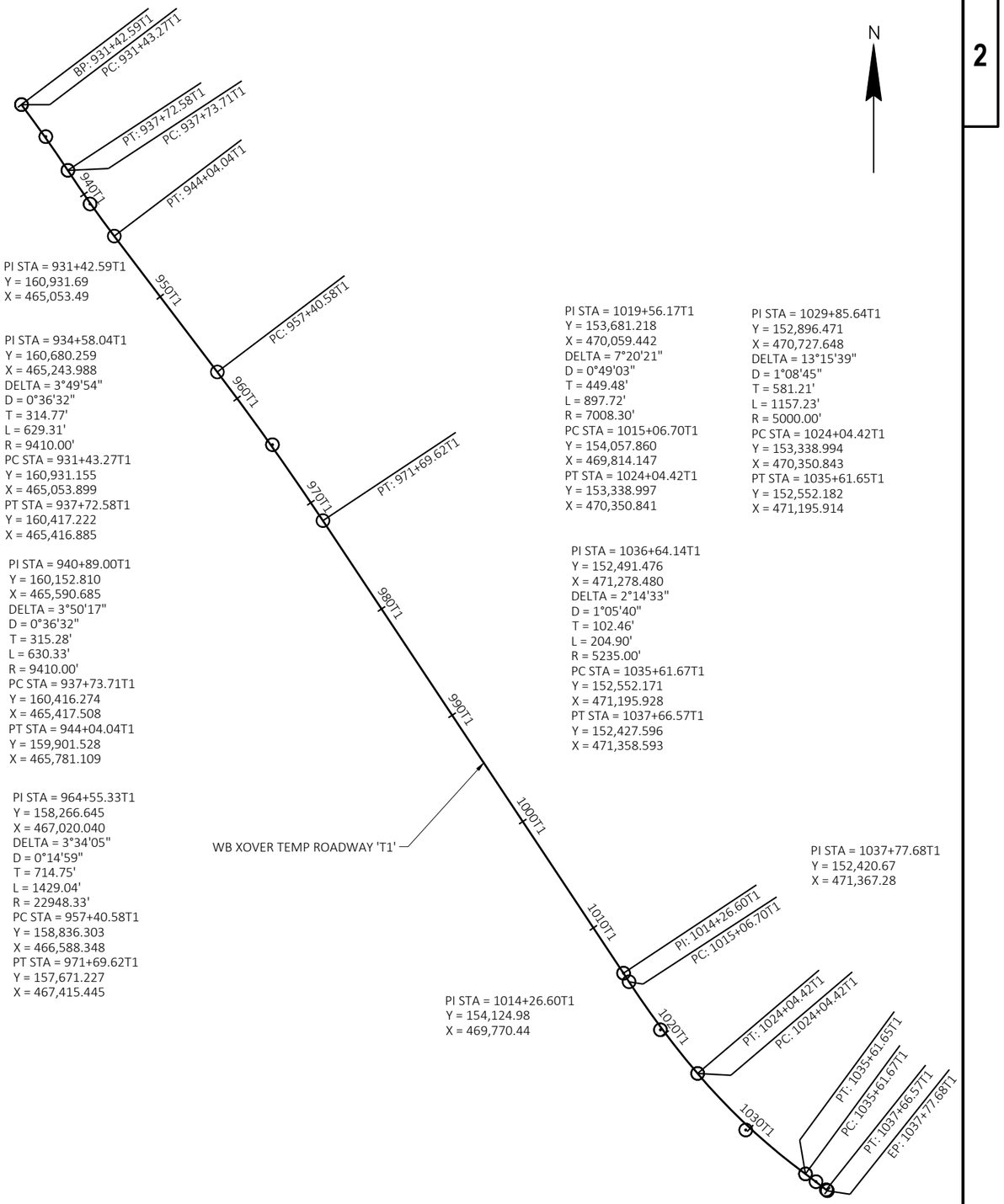
PI STA = 1025+52.25T
Y = 153,226.440
X = 470,446.682
DELTA = 3°23'13"
D = 1°08'45"
T = 147.83'
L = 295.58'
R = 5000.00'
PC STA = 1024+04.42T
Y = 153,338.996
X = 470,350.841
PT STA = 1027+00.00T
Y = 153,119.743
X = 470,549.005

PI STA = 1028+17.84T
Y = 153,034.692
X = 470,630.570
DELTA = 2°42'01"
D = 1°08'45"
T = 117.84'
L = 235.64'
R = 5000.00'
PC STA = 1027+00.00T
Y = 153,119.742
X = 470,549.006
PT STA = 1029+35.63T
Y = 152,945.893
X = 470,708.036

PI STA = 1035+36.09T
Y = 152,493.419
X = 471,102.769
DELTA = 13°41'45"
D = 1°08'45"
T = 600.46'
L = 1195.19'
R = 5000.00'
PC STA = 1029+35.63T
Y = 152,945.893
X = 470,708.037
PT STA = 1041+30.82T
Y = 152,147.270
X = 471,593.410

PI STA = 1014+26.60T
Y = 154,124.98
X = 469,770.44

PI STA = 1041+30.82T
Y = 152,147.27
X = 471,593.41



PI STA = 931+42.59T1
Y = 160,931.69
X = 465,053.49

PI STA = 934+58.04T1
Y = 160,680.259
X = 465,243.988
DELTA = 3°49'54"
D = 0°36'32"
T = 314.77'
L = 629.31'
R = 9410.00'
PC STA = 931+43.27T1
Y = 160,931.155
X = 465,053.899
PT STA = 937+72.58T1
Y = 160,417.222
X = 465,416.885

PI STA = 940+89.00T1
Y = 160,152.810
X = 465,590.685
DELTA = 3°50'17"
D = 0°36'32"
T = 315.28'
L = 630.33'
R = 9410.00'
PC STA = 937+73.71T1
Y = 160,416.274
X = 465,417.508
PT STA = 944+04.04T1
Y = 159,901.528
X = 465,781.109

PI STA = 964+55.33T1
Y = 158,266.645
X = 467,020.040
DELTA = 3°34'05"
D = 0°14'59"
T = 714.75'
L = 1429.04'
R = 22948.33'
PC STA = 957+40.58T1
Y = 158,836.303
X = 466,588.348
PT STA = 971+69.62T1
Y = 157,671.227
X = 467,415.445

PI STA = 1019+56.17T1
Y = 153,681.218
X = 470,059.442
DELTA = 7°20'21"
D = 0°49'03"
T = 449.48'
L = 897.72'
R = 7008.30'
PC STA = 1015+06.70T1
Y = 154,057.860
X = 469,814.147
PT STA = 1024+04.42T1
Y = 153,338.997
X = 470,350.841

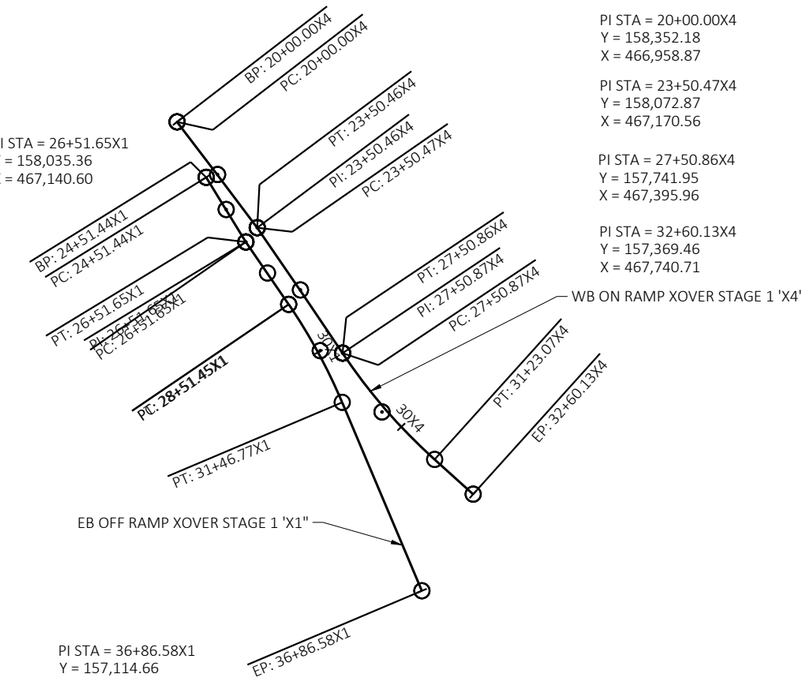
PI STA = 1029+85.64T1
Y = 152,896.471
X = 470,727.648
DELTA = 13°15'39"
D = 1°08'45"
T = 581.21'
L = 1157.23'
R = 5000.00'
PC STA = 1024+04.42T1
Y = 153,338.994
X = 470,350.843
PT STA = 1035+61.65T1
Y = 152,552.182
X = 471,195.914

PI STA = 1036+64.14T1
Y = 152,491.476
X = 471,278.480
DELTA = 2°14'33"
D = 1°05'40"
T = 102.46'
L = 204.90'
R = 5235.00'
PC STA = 1035+61.67T1
Y = 152,552.171
X = 471,195.928
PT STA = 1037+66.57T1
Y = 152,427.596
X = 471,358.593

PI STA = 1037+77.68T1
Y = 152,420.67
X = 471,367.28

PI STA = 1014+26.60T1
Y = 154,124.98
X = 469,770.44

2



PI STA = 20+00.00X4
Y = 158,352.18
X = 466,958.87

PI STA = 23+50.47X4
Y = 158,072.87
X = 467,170.56

PI STA = 27+50.86X4
Y = 157,741.95
X = 467,395.96

PI STA = 32+60.13X4
Y = 157,369.46
X = 467,740.71

PI STA = 24+51.44X1
Y = 158,205.99
X = 467,035.87

PI STA = 26+51.65X1
Y = 158,035.36
X = 467,140.60

PI STA = 25+51.55X1
Y = 158,120.903
X = 467,088.606
DELTA = 0°30'04"
D = 0°15'01"
T = 100.11'
L = 200.21'
R = 22890.37'
PC STA = 24+51.44X1
Y = 158,205.992
X = 467,035.869
PT STA = 26+51.65X1
Y = 158,035.356
X = 467,140.596

PI STA = 27+51.55X1
Y = 157,953.250
X = 467,197.503
DELTA = 0°29'58"
D = 0°15'00"
T = 99.90'
L = 199.80'
R = 22925.32'
PC STA = 26+51.65X1
Y = 158,035.356
X = 467,140.596
PT STA = 28+51.45X1
Y = 157,870.651
X = 467,253.692

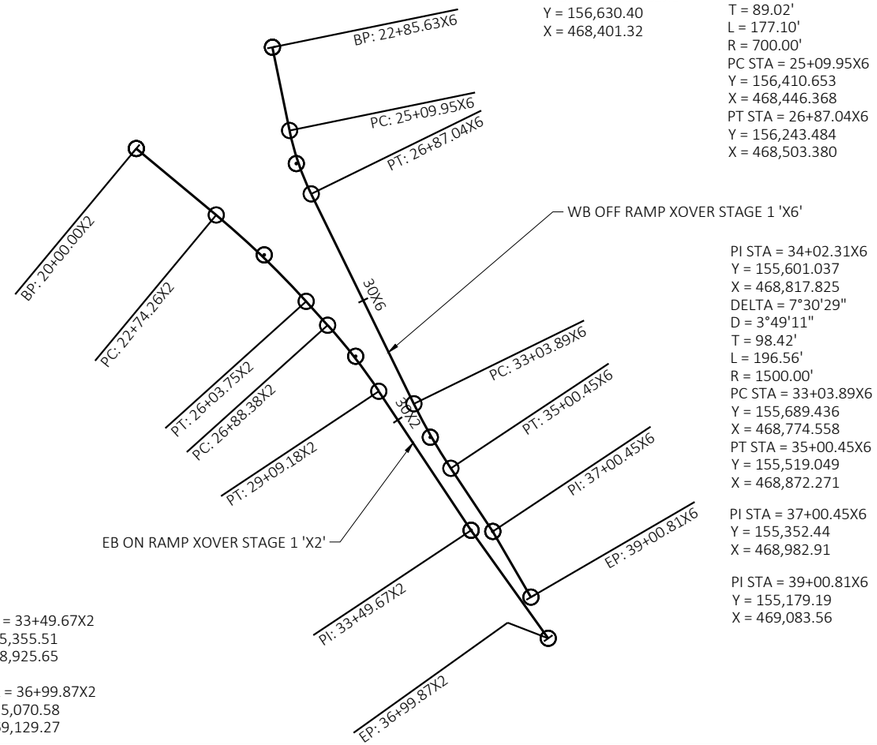
PI STA = 29+99.59X1
Y = 157,748.167
X = 467,337.014
DELTA = 11°16'49"
D = 3°49'11"
T = 148.14'
L = 295.32'
R = 1500.00'
PC STA = 28+51.45X1
Y = 157,870.651
X = 467,253.692
PT STA = 31+46.77X1
Y = 157,611.750
X = 467,394.767

PI STA = 36+86.58X1
Y = 157,114.66
X = 467,605.22

PI STA = 25+50.67X4
Y = 157,908.392
X = 467,284.703
DELTA = 0°59'55"
D = 0°14'58"
T = 200.20'
L = 400.40'
R = 22971.00'
PC STA = 23+50.47X4
Y = 158,072.868
X = 467,170.560
PT STA = 27+50.86X4
Y = 157,741.951
X = 467,395.962

PI STA = 21+75.24X4
Y = 158,213.331
X = 467,065.780
DELTA = 0°52'30"
D = 0°14'59"
T = 175.23'
L = 350.46'
R = 22951.50'
PC STA = 20+00.00X4
Y = 158,352.173
X = 466,958.871
PT STA = 23+50.46X4
Y = 158,072.873
X = 467,170.556

PI STA = 29+37.93X4
Y = 157,586.430
X = 467,499.921
DELTA = 14°13'02"
D = 3°49'11"
T = 187.06'
L = 372.21'
R = 1500.00'
PC STA = 27+50.87X4
Y = 157,741.948
X = 467,395.963
PT STA = 31+23.07X4
Y = 157,461.207
X = 467,638.891



PI STA = 22+85.63X6
Y = 156,630.40
X = 468,401.32

PI STA = 25+98.97X6
Y = 156,323.443
X = 468,464.244
DELTA = 14°29'44"
D = 8°11'06"
T = 89.02'
L = 177.10'
R = 700.00'
PC STA = 25+09.95X6
Y = 156,410.653
X = 468,446.368
PT STA = 26+87.04X6
Y = 156,243.484
X = 468,503.380

PI STA = 20+00.00X2
Y = 156,363.04
X = 468,041.81

PI STA = 24+39.29X2
Y = 156,082.226
X = 468,379.629
DELTA = 8°14'37"
D = 2°30'07"
T = 165.03'
L = 329.48'
R = 2290.00'
PC STA = 22+74.26X2
Y = 156,187.717
X = 468,252.723
PT STA = 26+03.75X2
Y = 155,959.629
X = 468,490.099

PI STA = 27+98.98X2
Y = 155,814.591
X = 468,620.789
DELTA = 8°26'02"
D = 3°49'11"
T = 110.60'
L = 220.80'
R = 1500.00'
PC STA = 26+88.38X2
Y = 155,896.756
X = 468,546.752
PT STA = 29+09.18X2
Y = 155,722.456
X = 468,681.974

PI STA = 33+49.67X2
Y = 155,355.51
X = 468,925.65

PI STA = 36+99.87X2
Y = 155,070.58
X = 469,129.27

PI STA = 34+02.31X6
Y = 155,601.037
X = 468,817.825
DELTA = 7°30'29"
D = 3°49'11"
T = 98.42'
L = 196.56'
R = 1500.00'
PC STA = 33+03.89X6
Y = 155,689.436
X = 468,774.558
PT STA = 35+00.45X6
Y = 155,519.049
X = 468,872.271

PI STA = 37+00.45X6
Y = 155,352.44
X = 468,982.91

PI STA = 39+00.81X6
Y = 155,179.19
X = 469,083.56

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ALIGNMENT DIAGRAM	SHEET 421	E

PI STA = 20+00.00X3
Y = 158,869.25
X = 466,549.58

PI STA = 22+00.24X3
Y = 158,702.42
X = 466,660.33

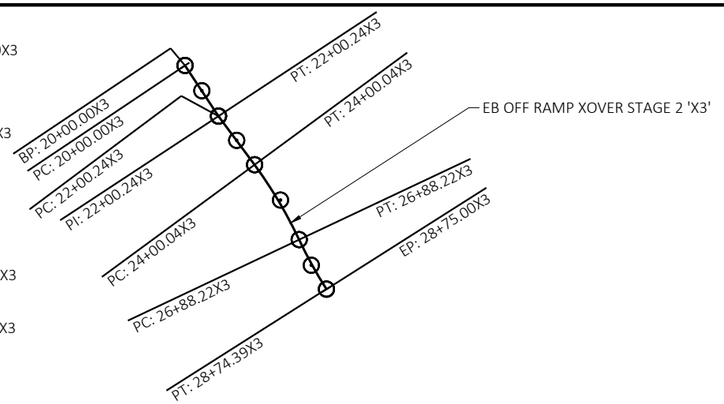
PI STA = 28+75.00X3
Y = 158,131.15
X = 467,016.53

PI STA = 21+00.12X3
Y = 158,786.049
X = 466,605.275
DELTA = 0°26'29"
D = 0°13'14"
T = 100.12'
L = 200.24'
R = 25992.10'
PC STA = 20+00.00X3
Y = 158,869.248
X = 466,549.580
PT STA = 22+00.24X3
Y = 158,702.424
X = 466,660.328

PI STA = 23+00.14X3
Y = 158,622.408
X = 466,720.143
DELTA = 0°29'58"
D = 0°15'00"
T = 99.90'
L = 199.80'
R = 22925.33'
PC STA = 22+00.24X3
Y = 158,702.423
X = 466,660.328
PT STA = 24+00.04X3
Y = 158,541.874
X = 466,779.259

PI STA = 25+44.58X3
Y = 158,425.361
X = 466,864.786
DELTA = 11°00'28"
D = 3°49'11"
T = 144.53'
L = 288.18'
R = 1499.99'
PC STA = 24+00.04X3
Y = 158,541.874
X = 466,779.259
PT STA = 26+88.22X3
Y = 158,294.662
X = 466,926.491

PI STA = 27+81.42X3
Y = 158,210.377
X = 466,966.284
DELTA = 7°06'40"
D = 3°49'11"
T = 93.20'
L = 186.17'
R = 1500.00'
PC STA = 26+88.22X3
Y = 158,294.661
X = 466,926.492
PT STA = 28+74.39X3
Y = 158,131.668
X = 467,016.203





PI STA = 20+12.61X11
Y = 156,938.580
X = 468,335.331
DELTA = 2°34'46"
D = 10°13'53"
T = 12.61'
L = 25.21'
R = 560.00'
PC STA = 20+00.00X11
Y = 156,948.554
X = 468,327.621
PT STA = 20+25.21X11
Y = 156,928.269
X = 468,342.585

PI STA = 20+71.14X11
Y = 156,891.104
X = 468,369.579
DELTA = 5°14'55"
D = 5°43'02"
T = 45.93'
L = 91.80'
R = 1002.15'
PC STA = 20+25.21X11
Y = 156,928.269
X = 468,342.585
PT STA = 21+17.01X11
Y = 156,856.565
X = 468,399.859

PI STA = 22+12.59X11
Y = 156,784.725
X = 468,462.894
DELTA = 13°03'56"
D = 22°55'06"
T = 28.63'
L = 57.01'
R = 250.00'
PC STA = 21+83.96X11
Y = 156,806.244
X = 468,444.012
PT STA = 22+40.97X11
Y = 156,759.494
X = 468,476.422

PI STA = 22+51.27X11
Y = 156,750.411
X = 468,481.291
DELTA = 5°53'58"
D = 28°38'52"
T = 10.31'
L = 20.59'
R = 200.00'
PC STA = 22+40.97X11
Y = 156,759.494
X = 468,476.422
PT STA = 22+61.56X11
Y = 156,741.878
X = 468,487.069

PI STA = 22+94.26X11
Y = 156,714.795
X = 468,505.404
DELTA = 11°40'16"
D = 17°54'18"
T = 32.71'
L = 65.18'
R = 320.00'
PC STA = 22+61.56X11
Y = 156,741.878
X = 468,487.069
PT STA = 23+26.74X11
Y = 156,684.564
X = 468,517.881

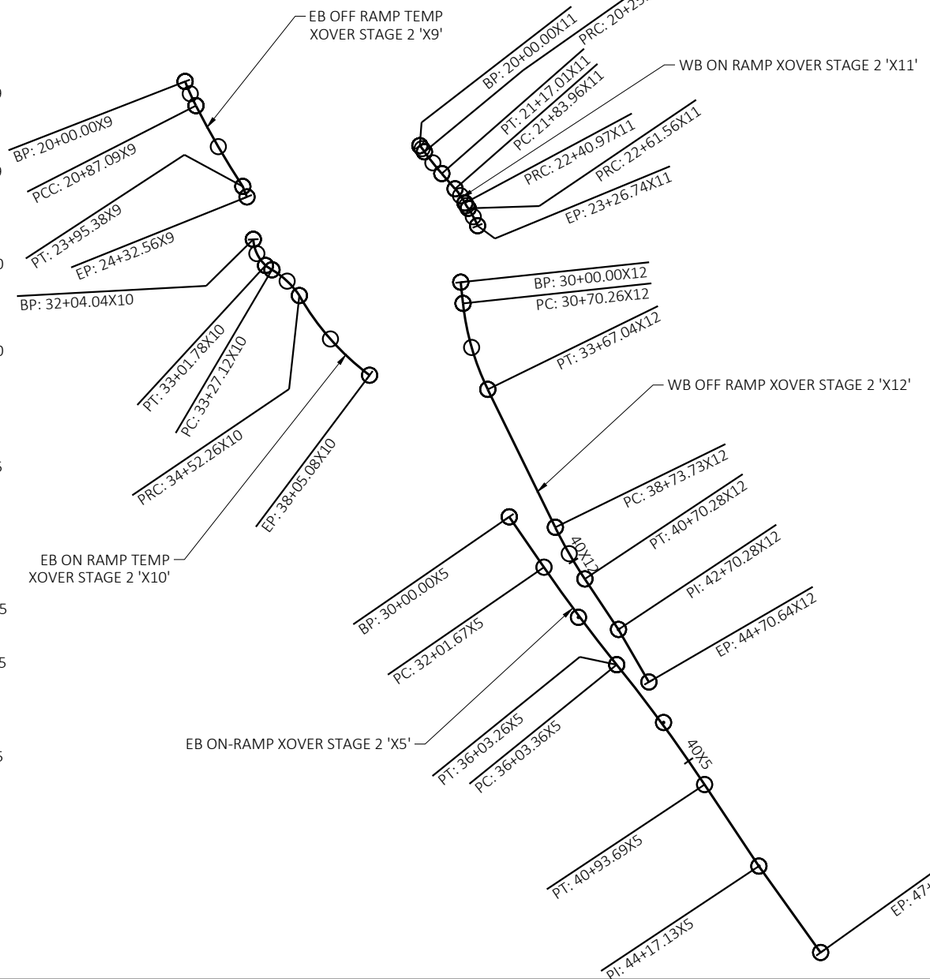
PI STA = 20+00.00X11
Y = 156,948.55
X = 468,327.62

PI STA = 23+26.74X11
Y = 156,684.56
X = 468,517.88

PI STA = 20+43.58X9
Y = 157,119.573
X = 467,568.953
DELTA = 5°46'07"
D = 6°37'26"
T = 43.58'
L = 87.09'
R = 865.00'
PC STA = 20+00.00X9
Y = 157,160.189
X = 467,553.150
PT STA = 20+87.09X9
Y = 157,080.751
X = 467,588.758

PI STA = 22+41.38X9
Y = 156,943.313
X = 467,658.874
DELTA = 6°08'03"
D = 1°59'23"
T = 154.29'
L = 308.28'
R = 2879.50'
PC STA = 20+87.09X9
Y = 157,080.751
X = 467,588.758
PT STA = 23+95.38X9
Y = 156,814.154
X = 467,743.274

PI STA = 32+55.50X10
Y = 156,588.129
X = 467,780.739
DELTA = 44°17'29"
D = 45°19'01"
T = 51.46'
L = 97.74'
R = 126.43'
PC STA = 32+04.04X10
Y = 156,639.510
X = 467,777.952
PT STA = 33+01.78X10
Y = 156,553.297
X = 467,818.614



PI STA = 30+00.00X12
Y = 156,498.13
X = 468,462.60

PI STA = 40+70.28X12
Y = 155,519.05
X = 468,872.27

PI STA = 42+70.28X12
Y = 155,352.44
X = 468,982.91

PI STA = 44+70.64X12
Y = 155,179.19
X = 469,083.56

PI STA = 32+20.18X12
Y = 156,279.187
X = 468,485.905
DELTA = 20°00'16"
D = 6°44'26"
T = 149.91'
L = 296.77'
R = 850.00'
PC STA = 30+70.26X12
Y = 156,428.258
X = 468,470.041
PT STA = 33+67.04X12
Y = 156,144.537
X = 468,551.809

PI STA = 39+72.15X12
Y = 155,601.037
X = 468,817.825
DELTA = 7°30'29"
D = 3°49'11"
T = 98.42'
L = 196.56'
R = 1500.00'
PC STA = 38+73.73X12
Y = 155,689.436
X = 468,774.558
PT STA = 40+70.28X12
Y = 155,519.049
X = 468,872.271

PI STA = 33+90.74X10
Y = 156,506.670
X = 467,894.324
DELTA = 25°22'36"
D = 20°16'44"
T = 63.61'
L = 125.14'
R = 282.54'
PC STA = 33+27.12X10
Y = 156,538.980
X = 467,839.528
PT STA = 34+52.26X10
Y = 156,453.993
X = 467,929.986

PI STA = 36+31.18X10
Y = 156,298.573
X = 468,018.609
DELTA = 23°26'51"
D = 6°38'45"
T = 178.91'
L = 352.82'
R = 862.13'
PC STA = 34+52.26X10
Y = 156,453.993
X = 467,929.986
PT STA = 38+05.08X10
Y = 156,191.251
X = 468,161.757

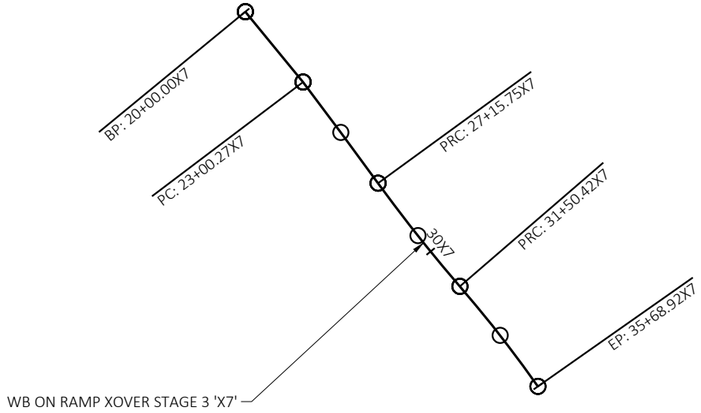
PI STA = 34+02.57X5
Y = 155,392.538
X = 468,850.908
DELTA = 4°23'58"
D = 1°05'44"
T = 200.89'
L = 401.59'
R = 5230.00'
PC STA = 32+01.67X5
Y = 155,557.982
X = 468,736.949
PT STA = 36+03.26X5
Y = 155,236.324
X = 468,977.222

PI STA = 38+48.70X5
Y = 155,045.470
X = 469,131.546
DELTA = 5°22'18"
D = 1°05'44"
T = 245.34'
L = 490.32'
R = 5230.00'
PC STA = 36+03.36X5
Y = 155,236.247
X = 468,977.284
PT STA = 40+93.69X5
Y = 154,841.090
X = 469,267.271

PI STA = 30+00.00X5
Y = 155,724.07
X = 468,622.55

PI STA = 44+17.13X5
Y = 154,571.64
X = 469,446.21

PI STA = 47+67.34X5
Y = 154,286.72
X = 469,649.82



PI STA = 20+00.00X7
Y = 159,056.04
X = 466,435.63

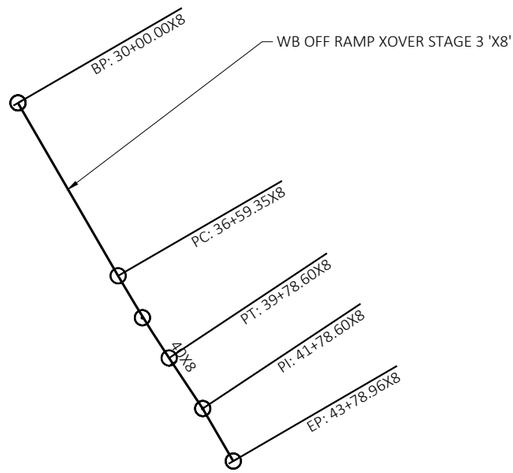
PI STA = 25+08.01X7
Y = 158,658.397
X = 466,751.625
DELTA = 1°02'11"
D = 0°14'58"
T = 207.74'
L = 415.47'
R = 22971.33'
PC STA = 23+00.27X7
Y = 158,824.146
X = 466,626.389
PT STA = 27+15.75X7
Y = 158,490.409
X = 466,873.843

PI STA = 29+33.21X7
Y = 158,314.562
X = 467,001.779
DELTA = 4°45'43"
D = 1°05'44"
T = 217.46'
L = 434.67'
R = 5230.00'
PC STA = 27+15.75X7
Y = 158,490.409
X = 466,873.843
PT STA = 31+50.42X7
Y = 158,149.943
X = 467,143.872

PI STA = 33+59.84X7
Y = 157,991.411
X = 467,280.711
DELTA = 5°42'33"
D = 1°21'51"
T = 209.42'
L = 418.50'
R = 4200.00'
PC STA = 31+50.42X7
Y = 158,149.943
X = 467,143.872
PT STA = 35+68.92X7
Y = 157,820.052
X = 467,401.100

PI STA = 35+68.92X7
Y = 157,820.05
X = 467,401.10

N



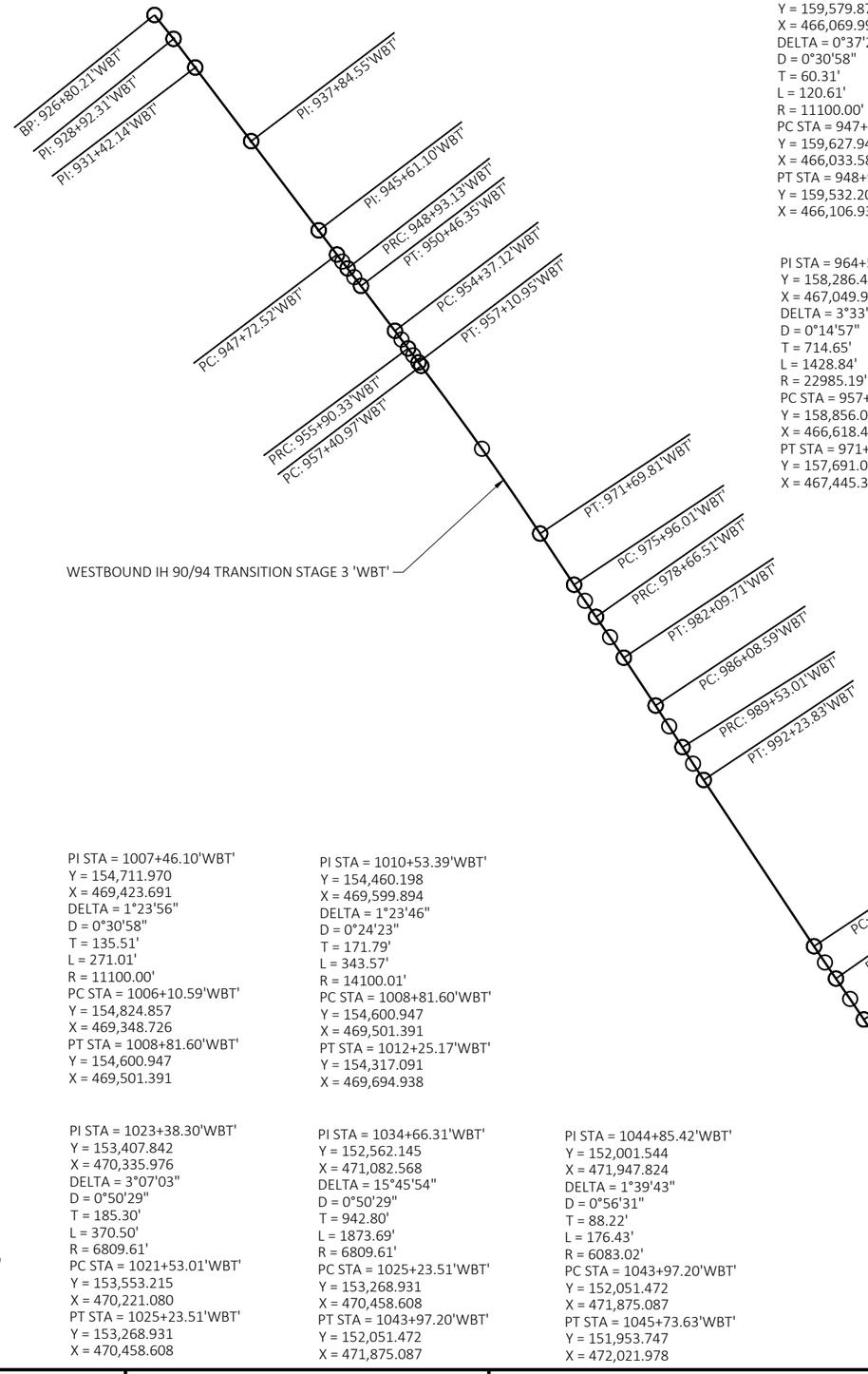
PI STA = 38+19.02X8
Y = 154,800.331
X = 469,349.557
DELTA = 3°29'51"
D = 1°05'44"
T = 159.67'
L = 319.25'
R = 5230.00'
PC STA = 36+59.35X8
Y = 154,938.488
X = 469,269.503
PT STA = 39+78.60X8
Y = 154,667.315
X = 469,437.890

PI STA = 30+00.00X8
Y = 155,508.98
X = 468,938.93

PI STA = 41+78.60X8
Y = 154,500.71
X = 469,548.53

PI STA = 43+78.96X8
Y = 154,327.46
X = 469,649.18

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ALIGNMENT DIAGRAM	SHEET 423	E



PI STA = 926+80.21'WBT'
Y = 161,292.04
X = 464,765.42

PI STA = 928+92.31'WBT'
Y = 161,126.60
X = 464,898.14

PI STA = 931+42.14'WBT'
Y = 160,927.47
X = 465,049.01

PI STA = 937+84.55'WBT'
Y = 160,415.43
X = 465,436.95

PI STA = 945+61.10'WBT'
Y = 159,796.46
X = 465,905.90

PI STA = 948+32.83'WBT'
Y = 159,579.874
X = 466,069.999
DELTA = 0°37'21"
D = 0°30'58"
T = 60.31'
L = 120.61'
R = 11100.00'
PC STA = 947+72.52'WBT'
Y = 159,627.943
X = 466,033.580
PT STA = 948+93.13'WBT'
Y = 159,532.203
X = 466,106.939

PI STA = 949+69.74'WBT'
Y = 159,471.649
X = 466,153.862
DELTA = 0°37'21"
D = 0°24'23"
T = 76.61'
L = 153.21'
R = 14100.00'
PC STA = 948+93.13'WBT'
Y = 159,532.203
X = 466,106.939
PT STA = 950+46.35'WBT'
Y = 159,410.588
X = 466,200.124

PI STA = 955+13.73'WBT'
Y = 159,038.053
X = 466,482.371
DELTA = 0°37'21"
D = 0°24'23"
T = 76.61'
L = 153.21'
R = 14100.00'
PC STA = 954+37.12'WBT'
Y = 159,099.114
X = 466,436.109
PT STA = 955+90.33'WBT'
Y = 158,976.493
X = 466,527.967

PI STA = 956+50.64'WBT'
Y = 158,928.031
X = 466,563.862
DELTA = 0°37'21"
D = 0°30'58"
T = 60.31'
L = 120.61'
R = 11100.00'
PC STA = 955+90.33'WBT'
Y = 158,976.493
X = 466,527.967
PT STA = 957+10.95'WBT'
Y = 158,879.962
X = 466,600.281

PI STA = 964+55.62'WBT'
Y = 158,286.407
X = 467,049.982
DELTA = 3°33'42"
D = 0°14'57"
T = 714.65'
L = 1428.84'
R = 22985.19'
PC STA = 957+40.97'WBT'
Y = 158,856.032
X = 466,618.411
PT STA = 971+69.81'WBT'
Y = 157,691.071
X = 467,445.332

PI STA = 977+31.27'WBT'
Y = 157,223.352
X = 467,755.935
DELTA = 1°23'47"
D = 0°30'58"
T = 135.26'
L = 270.50'
R = 11100.00'
PC STA = 975+96.01'WBT'
Y = 157,336.026
X = 467,681.110
PT STA = 978+66.51'WBT'
Y = 157,112.535
X = 467,833.482

PI STA = 980+38.12'WBT'
Y = 156,971.933
X = 467,931.873
DELTA = 1°23'41"
D = 0°24'23"
T = 171.61'
L = 343.20'
R = 14100.00'
PC STA = 978+66.51'WBT'
Y = 157,112.535
X = 467,833.482
PT STA = 982+09.71'WBT'
Y = 156,828.978
X = 468,026.812

PI STA = 987+80.80'WBT'
Y = 156,353.247
X = 468,342.763
DELTA = 1°23'58"
D = 0°24'23"
T = 172.22'
L = 344.42'
R = 14100.00'
PC STA = 986+08.59'WBT'
Y = 156,496.710
X = 468,247.486
PT STA = 989+53.01'WBT'
Y = 156,207.500
X = 468,434.507

PI STA = 990+88.42'WBT'
Y = 156,092.898
X = 468,506.646
DELTA = 1°23'52"
D = 0°30'58"
T = 135.42'
L = 270.82'
R = 11100.00'
PC STA = 989+53.01'WBT'
Y = 156,207.500
X = 468,434.507
PT STA = 992+23.83'WBT'
Y = 155,980.090
X = 468,581.559

PI STA = 1007+46.10'WBT'
Y = 154,711.970
X = 469,423.691
DELTA = 1°23'56"
D = 0°30'58"
T = 135.51'
L = 271.01'
R = 11100.00'
PC STA = 1006+10.59'WBT'
Y = 154,824.857
X = 469,348.726
PT STA = 1008+81.60'WBT'
Y = 154,600.947
X = 469,501.391

PI STA = 1010+53.39'WBT'
Y = 154,460.198
X = 469,599.894
DELTA = 1°23'46"
D = 0°24'23"
T = 171.79'
L = 343.57'
R = 14100.01'
PC STA = 1008+81.60'WBT'
Y = 154,600.947
X = 469,501.391
PT STA = 1012+25.17'WBT'
Y = 154,317.091
X = 469,694.938

PI STA = 1019+63.20'WBT'
Y = 153,702.297
X = 470,103.254
DELTA = 4°43'52"
D = 1°14'44"
T = 190.02'
L = 379.83'
R = 4600.00'
PC STA = 1017+73.18'WBT'
Y = 153,860.588
X = 469,998.125
PT STA = 1021+53.01'WBT'
Y = 153,553.215
X = 470,221.080

PI STA = 1023+38.30'WBT'
Y = 153,407.842
X = 470,335.976
DELTA = 3°07'03"
D = 0°50'29"
T = 185.30'
L = 370.50'
R = 6809.61'
PC STA = 1021+53.01'WBT'
Y = 153,553.215
X = 470,221.080
PT STA = 1025+23.51'WBT'
Y = 153,268.931
X = 470,458.608

PI STA = 1034+66.31'WBT'
Y = 152,562.145
X = 471,082.568
DELTA = 15°45'54"
D = 0°50'29"
T = 942.80'
L = 1873.69'
R = 6809.61'
PC STA = 1025+23.51'WBT'
Y = 153,268.931
X = 470,458.608
PT STA = 1043+97.20'WBT'
Y = 152,051.472
X = 471,875.087

PI STA = 1044+85.42'WBT'
Y = 152,001.544
X = 471,947.824
DELTA = 1°39'43"
D = 0°56'31"
T = 88.22'
L = 176.43'
R = 6083.02'
PC STA = 1043+97.20'WBT'
Y = 152,051.472
X = 471,875.087
PT STA = 1045+73.63'WBT'
Y = 151,953.747
X = 472,021.978

PI STA = 1045+73.63'WBT'
Y = 151,953.75
X = 472,021.98

N

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	ALIGNMENT DIAGRAM	SHEET 424	E

EASTBOUND IH 90/94 'EB' SUPERELEVATION TABLE						
TRANSITION EVENT POINTS		RATE				
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE		
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT RAMP LANE	RIGHT SHOULDER
BeginAlignment	916+26.61'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%
BeginProject	947+02.97'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%
EndNormalShoulderRT	950+41.68'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%
BridgeTransitionRT	950+95.02'EB'	-4.00%	-2.00%	-2.00%	-	-2.00%
EndNormalShoulderLT	951+25.09'EB'	-4.00%	-2.00%	-2.00%	-	-2.00%
BridgeTransitionLT	952+63.03'EB'	-2.00%	-2.00%	-2.00%	-	-2.00%
BridgeTransitionLTRT	952+78.03'EB'	-2.00%	-2.00%	-2.00%	-	-2.00%
BeginNormalShoulderLTRT	953+31.37'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%
BeginNormalCrownRamp	963+75.17'EB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
EndNormalCrownRamp	963+75.17'EB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
MatchEBOffRampC	964+00.00'EB'	-4.00%	-2.00%	-2.00%	-2.90%	-4.00%
MatchEBOffRampCGORE	969+62.40'EB'	-4.00%	-2.00%	-2.00%	-	-0.30%
BeginNormalShoulderRT	970+54.65'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%
EndNormalShoulderRT	980+98.44'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%
EndNormalShoulderLT	981+35.35'EB'	-4.00%	-2.00%	-2.00%	-	-2.62%
BridgeTransitionRT	981+51.78'EB'	-3.38%	-2.00%	-2.00%	-	-2.00%
BridgeTransitionLT	981+88.69'EB'	-2.00%	-2.00%	-2.00%	-	-2.00%
BridgeTransitionRT	985+08.23'EB'	-2.00%	-2.00%	-2.00%	-	-2.00%
BridgeTransitionLT	985+46.20'EB'	-2.00%	-2.00%	-2.00%	-	-3.42%
BeginNormalShoulderRT	985+61.57'EB'	-2.57%	-2.00%	-2.00%	-	-4.00%
BeginNormalShoulderLT	986+00.00'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%
EndNormalShoulderRT	991+48.37'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%
MatchEBOnRampDGORE	992+01.71'EB'	-4.00%	-2.00%	-2.00%	-	-2.00%
MatchEBOnRampD	994+40.00'EB	-4.00%	-2.00%	-2.00%	-3.78%	-4.00%
BeginNormalCrownRampD	994+87.47'EB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
EndRampTaper	1003+45.27'EB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
EndNormalShoulderRT	1010+85.37'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%
EndNormalShoulderLT	1010+94.96'EB'	-4.00%	-2.00%	-2.00%	-	-3.64%
BridgeTransitionRT	1011+38.71'EB'	-2.60%	-2.00%	-2.00%	-	-2.00%
BridgeTransitionLT	1011+48.30'EB'	-2.00%	-2.00%	-2.00%	-	-2.00%
EndNormalCrown	1014+61.04'EB'	-2.00%	-2.00%	-2.00%	-	-2.00%
BridgeTransitionLT	1014+73.65'EB'	-2.00%	-2.00%	-1.58%	-	-1.58%
LevelCrown	1015+21.04'EB'	-3.78%	-2.00%	0.00%	-	0.00%
BeginNormalShoulderLT	1015+26.99'EB'	-4.00%	-2.00%	0.20%	-	0.20%
ReverseCrown	1015+81.04'EB'	-4.00%	-2.00%	2.00%	-	2.00%
BeginFullSuper	1016+05.04'EB'	-4.00%	-2.80%	2.80%	-	2.80%
EndFullSuper	1029+73.06'EB'	-4.00%	-2.80%	2.80%	-	2.80%
EndProject	1030+01.05'EB'	-4.00%	-2.84%	2.84%	-	2.84%
BeginFullSuper	1030+44.71'EB'	-4.00%	-2.90%	2.90%	-	2.90%
EndFullSuper	1056+09.73'EB'	-4.00%	-2.90%	2.90%	-	2.90%
ReverseCrown	1056+50.39'EB'	-4.00%	-2.00%	2.00%	-	2.00%
LevelCrown	1057+40.73'EB'	-4.00%	-2.00%	0.00%	-	0.00%
BeginNormalCrown	1058+31.08'EB'	-4.00%	-2.00%	-2.00%	-	-2.00%
BeginNormalShoulder	1059+21.42'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%
EndAlignment	1096+74.10'EB'	-4.00%	-2.00%	-2.00%	-	-4.00%

WESTBOUND IH 90/94 'WB' SUPERELEVATION TABLE						
TRANSITION EVENT POINTS		RATE				
		LEFT OF CROWNLINE			RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT SHOULDER	LEFT RAMP LANE	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
BeginAlignment	916+25.7448'WB'	-4.00%	-	-2.00%	-2.00%	-4.00%
BeginProject	944+01.89'WB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
EndNormalShoulderRT	950+22.04'WB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
EndNormalShoulderLT	950+64.82'WB'	-4.00%	-2.00%	-2.00%	-2.00%	-2.40%
BridgeTransitionRT	950+75.38'WB'	-3.60%	-2.00%	-2.00%	-2.00%	-2.00%
BridgeTransitionLT	951+18.16'WB'	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%
BridgeTransitionLTRT	953+78.71'WB'	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%
BeginNormalShoulderLTRT	954+32.05'WB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
EndNormalCrownRamp	970+46.13'WB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
MatchWBOnRampB	971+00.00'WB'	-4.00%	-4.00%	-2.00%	-2.00%	-4.00%
MatchWBOnRampBGORE	973+02.75'WB'	-4.40%	-	-2.00%	-2.00%	-4.00%
BeginNormalShoulderLT	973+12.62'WB'	-4.00%	-	-2.00%	-2.00%	-4.00%
EndNormalShoulderRT	982+00.00'WB'	-4.00%	-	-2.00%	-2.00%	-4.00%
EndNormalShoulderLT	985+15.02'WB'	-4.00%	-	-2.00%	-2.00%	-3.40%
BridgeTransitionRT	982+50.00'WB'	-2.69%	-	-2.00%	-2.00%	-2.00%
BridgeTransitionLT	982+68.36'WB'	-2.00%	-	-2.00%	-2.00%	-2.00%
BridgeTransitionRT	985+77.88'WB'	-2.00%	-	-2.00%	-2.00%	-2.00%
BridgeTransitionLT	986+15.83'WB'	-2.00%	-	-2.00%	-2.00%	-3.42%
BeginNormalShoulderRT	986+31.22'WB'	-2.58%	-	-2.00%	-2.00%	-4.00%
BeginNormalShoulderLT	986+69.17'WB'	-4.00%	-	-2.00%	-2.00%	-4.00%
EndNormalShoulderLT	994+94.40'WB'	-4.00%	-	-2.00%	-2.00%	-4.00%
MatchWBOffRampAGORE	995+78.68'WB'	-0.85%	-	-2.00%	-2.00%	-4.00%
MatchWBOffRampA	1000+00.00'WB'	-4.00%	-3.27%	-2.00%	-2.00%	-4.00%
BeginNormalCrownRamp	1000+33.86'WB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
EndRampTaper	1007+25.00'WB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
EndNormalShoulderRT	1011+00.00'WB'	-4.00%	-	-2.00%	-2.00%	-4.00%
EndNormalShoulderLT	1011+13.37'WB'	-4.00%	-	-2.00%	-2.00%	-3.53%
BridgeTransitionRT	1011+56.59'WB'	-2.38%	-	-2.00%	-2.00%	-2.00%
BridgeTransitionLT	1011+66.71'WB'	-2.00%	-	-2.00%	-2.00%	-2.00%
BridgeTransitionLT	1014+93.85'WB'	-2.00%	-	-2.00%	-2.00%	-2.00%
BeginNormalShoulderLT	1015+50.00'WB'	-4.00%	-	-2.00%	-2.00%	-2.00%
EndNormalCrown	1015+93.25'WB'	-4.00%	-	-2.00%	-2.00%	-2.00%
LevelCrown	1016+53.25'WB'	-4.00%	-	-2.00%	0.00%	0.00%
ReverseCrown	1017+13.25'WB'	-4.00%	-	-2.00%	2.00%	2.00%
BeginFullSuper	1017+49.25'WB'	-4.00%	-	-3.20%	3.20%	3.20%
EndFullSuper	1029+57.39'WB'	-4.00%	-	-3.20%	3.20%	3.20%
EndProject	1029+89.38'WB'	-4.00%	-	-3.04%	3.04%	3.04%
BeginFullSuper	1030+18.38'WB'	-4.00%	-2.90%	-2.90%	2.90%	2.90%
EndFullSuper	1057+61.97'WB'	-4.00%	-2.90%	-2.90%	2.90%	2.90%
ReverseCrown	1057+88.97'WB'	-4.00%	-2.00%	-2.00%	2.00%	2.00%
LevelCrown	1058+48.97'WB'	-4.00%	-2.00%	-2.00%	0.00%	0.00%
BeginNormalCrown	1059+08.97'WB'	-4.00%	-2.00%	-2.00%	-2.00%	-2.00%
BeginNormalShoulder	1059+68.97'WB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%
EndAlignment	1098+19.9363'WB'	-4.00%	-2.00%	-2.00%	-2.00%	-4.00%

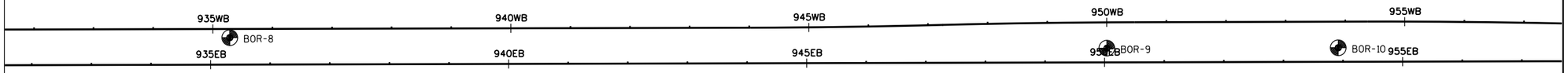
WB OFF RAMP 'A' SUPERELEVATION TABLE				
TRANSITION EVENT POINTS		RATE		
		LEFT OF REFERENCE LINE	RIGHT OF REFERENCE LINE	
LOCATION	STATION	LEFT SHOULDER	RIGHT RAMP LANE	RIGHT SHOULDER
BeginAlignment	986+67.00'A'	-2.00%	2.00%	2.00%
ShoulderTransition	987+71.38'A'	-2.00%	2.00%	2.00%
BeginNormalShoulder	988+25.00'A'	-4.00%	2.00%	2.00%
ShoulderTransition	989+01.70'A'	-4.00%	2.00%	2.00%
BeginNormalShoulder	990+61.72'A'	-4.00%	2.00%	-4.00%
EndNormalShoulder	994+50.00'A'	-4.00%	2.00%	-4.00%
MatchWBIH9094Gore	995+81.76'A'	-4.00%	2.00%	1.00%
EndNormalCrown	997+04.38'A'	-4.00%	2.00%	-
EndNormalShoulder	997+57.73'A'	-4.00%	4.00%	-
BeginFullSuper	997+81.92'A'	-4.90%	4.90%	-
EndFullSuper	999+56.33'A'	-4.90%	4.90%	-
BeginNormalShoulder	999+80.52'A'	-4.00%	4.00%	-
EndAlignment/MatchWBIH90/94	1000+00.00'A'	-4.00%	-3.27%	-
BeginNormalCrown	1000+33.86'A'	-4.00%	-2.00%	-

WB ON RAMP 'B' SUPERELEVATION TABLE				
TRANSITION EVENT POINTS		RATE		
		LEFT OF REFERENCE LINE	RIGHT OF REFERENCE LINE	
LOCATION	STATION	LEFT SHOULDER	RIGHT RAMP LANE	RIGHT SHOULDER
BeginAlignment	971+00.00'B'	-2.00%	4.00%	-
EndNormalCrown	970+42.13'B'	-4.00%	2.00%	-
MatchWBIH90/94	971+00.00'B'	-2.00%	4.00%	-
BeginFullSuper	971+52.79'B'	-6.00%	6.00%	-
MatchWBIH9094Gore	973+02.91'B'	-6.00%	6.00%	4.15%
ShoulderTransition	973+52.25'B'	-6.00%	6.00%	6.00%
EndFullSuper	975+65.67'B'	-6.00%	6.00%	6.00%
BeginNormalShoulder	976+19.01'B'	-4.00%	4.00%	4.00%
BeginNormalCrown	976+72.33'B'	-4.00%	2.00%	2.00%
BeginNormalShoulder	978+32.33'B'	-4.00%	2.00%	-4.00%
EndNormalShoulder	979+46.47'B'	-4.00%	4.00%	-4.00%
End Normal Crown	979+84.97'B'	-2.00%	2.00%	-4.00%
Level Crown	980+23.47'B'	0.00%	0.00%	-4.00%
Reverse Crown	980+60.97'B'	2.00%	-2.00%	-4.00%
Begin Full Super	981+00.47'B'	3.70%	-3.70%	-4.00%
End Full Super	982+91.12'B'	3.70%	-3.70%	-4.00%
Reverse Crown	983+29.67'B'	2.00%	-2.00%	-4.00%
Level Crown	983+68.17'B'	0.00%	0.00%	-4.00%
BeginNormalCrown	984+06.66'B'	-2.00%	2.00%	-4.00%
BeginNormalShoulder	984+45.16'B'	-4.00%	2.00%	-4.00%
End Alignment	985+86.59'B'	-4.00%	2.00%	-4.00%

EB ON RAMP 'C' SUPERELEVATION TABLE				
TRANSITION EVENT POINTS		RATE		
		LEFT OF REFERENCE LINE		RIGHT OF REFERENCE LINE
LOCATION	STATION	LEFT SHOULDER	LEFT RAMP LANE	RIGHT SHOULDER
BeginAlignment/MatchEBIH90/94	964+00.00'C'	-	4.00%	-4.00%
EndNormalCrown	963+75.17'C'	-	2.00%	-4.00%
MatchEBIH90/94	964+00.00'C'	-	4.00%	-4.00%
EndNormalShoulder	964+28.32'C'	-	4.00%	-4.00%
BeginFullSuper	964+38.99'C'	-	4.40%	-4.40%
EndFullSuper	966+22.36'C'	-	4.40%	-4.40%
BeginNormalShoulder	966+33.03'C'	-	4.00%	-4.00%
BeginNormalCrown	966+86.18'C'	-	2.00%	-4.00%
MatchWBIH9094Gore	969+60.64'C'	0.20%	2.00%	-4.00%
ShoulderTransition	970+16.89'C'	-2.00%	2.00%	-4.00%
ShoulderTransition	971+75.00'C'	-2.00%	2.00%	-4.00%
ShoulderTransition	972+25.00'C'	0.00%	2.00%	-4.00%
BeginNormalShoulder	972+73.46'C'	2.00%	2.00%	-4.00%
EndNormalShoulder	979+29.92'C'	2.00%	2.00%	-4.00%
ShoulderTransition	979+83.26'C'	2.00%	2.00%	-2.00%
End Alignment	980+74.60'C'	2.00%	2.00%	-2.00%

EB ON RAMP 'D' SUPERELEVATION TABLE				
TRANSITION EVENT POINTS		RATE		
		LEFT OF REFERENCE LINE		RIGHT OF REFERENCE LINE
LOCATION	STATION	LEFT SHOULDER	LEFT RAMP LANE	RIGHT SHOULDER
BeginAlignment	981+41.35'D'	2.00%	2.00%	-4.00%
EndNormalCrown	982+13.35'D'	2.00%	2.00%	-4.00%
LevelCrown	982+49.35'D'	0.00%	0.00%	-4.00%
BeginReverseCrown	982+85.38'D'	-2.00%	-2.00%	-4.00%
EndReverseCrown	983+39.94'D'	-2.00%	-2.00%	-4.00%
LevelCrown	983+92.94'D'	0.00%	0.00%	-4.00%
BeginNormalCrown	984+45.93'D'	2.00%	2.00%	-4.00%
EndNormalCrown	986+52.64'D'	2.00%	2.00%	-4.00%
EndNormalShoulder	987+05.98'D'	4.00%	4.00%	-4.00%
BeginFullSuper	987+51.31'D'	5.70%	5.70%	-5.70%
ShoulderTransition	991+29.98'D'	5.70%	5.70%	-5.70%
MatchWBIH9094Gore	992+06.52'D'	2.80%	5.70%	-5.70%
BeginFullSuper	993+88.85'D'	-	5.70%	-5.70%
BeginNormalShoulder	994+34.19'D'		4.00%	-4.00%
MatchEBIH90/94	994+40.48'D'	-	3.76%	-4.00%
BeginNormalCrown	994+87.52'D'	-	2.00%	-4.00%
EndAlignment	997+40.0558'	-	2.00%	-4.00%

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
8	4-20-2016	160607.11	465266.05
9	4-20-2016	159421.24	466137.50
10	4-20-2016	159111.59	466371.74
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY			





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

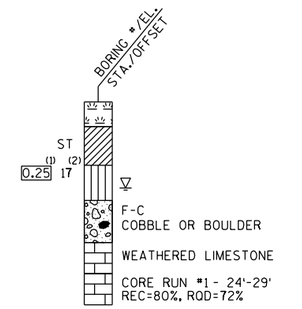
STATE PROJECT NUMBER

1016-05-70

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE CABLE GUARD

DRAWN BY RLR PLANS CK'D.

SUBSURFACE EXPLORATION

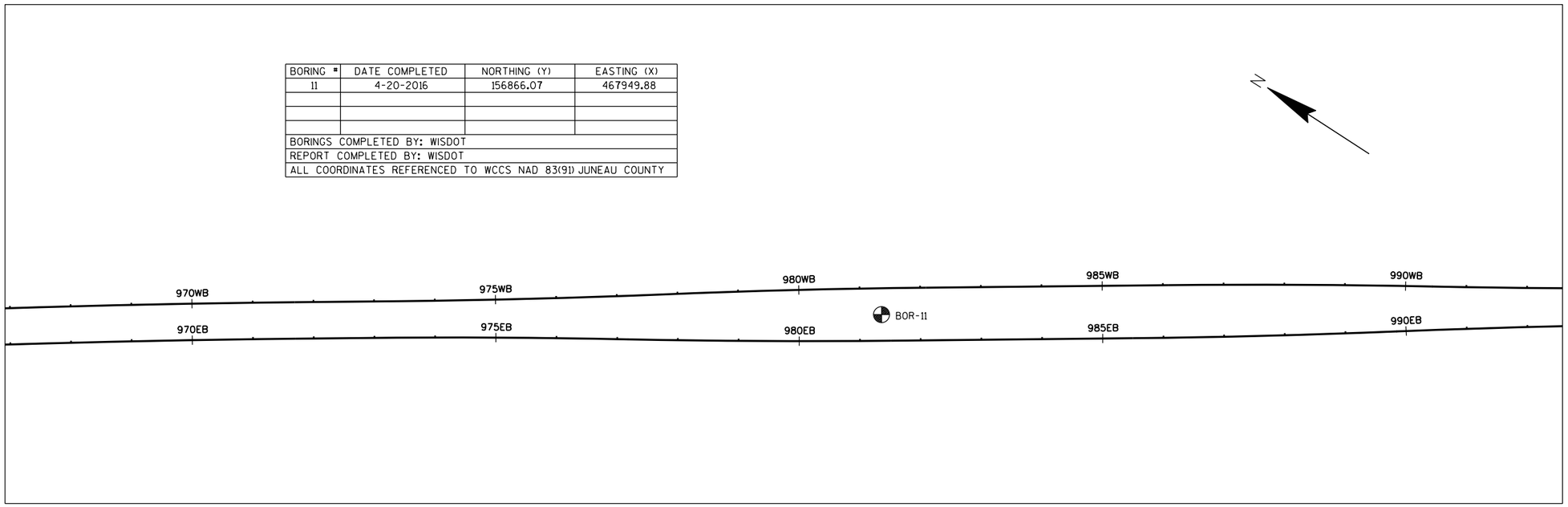
SHEET OF

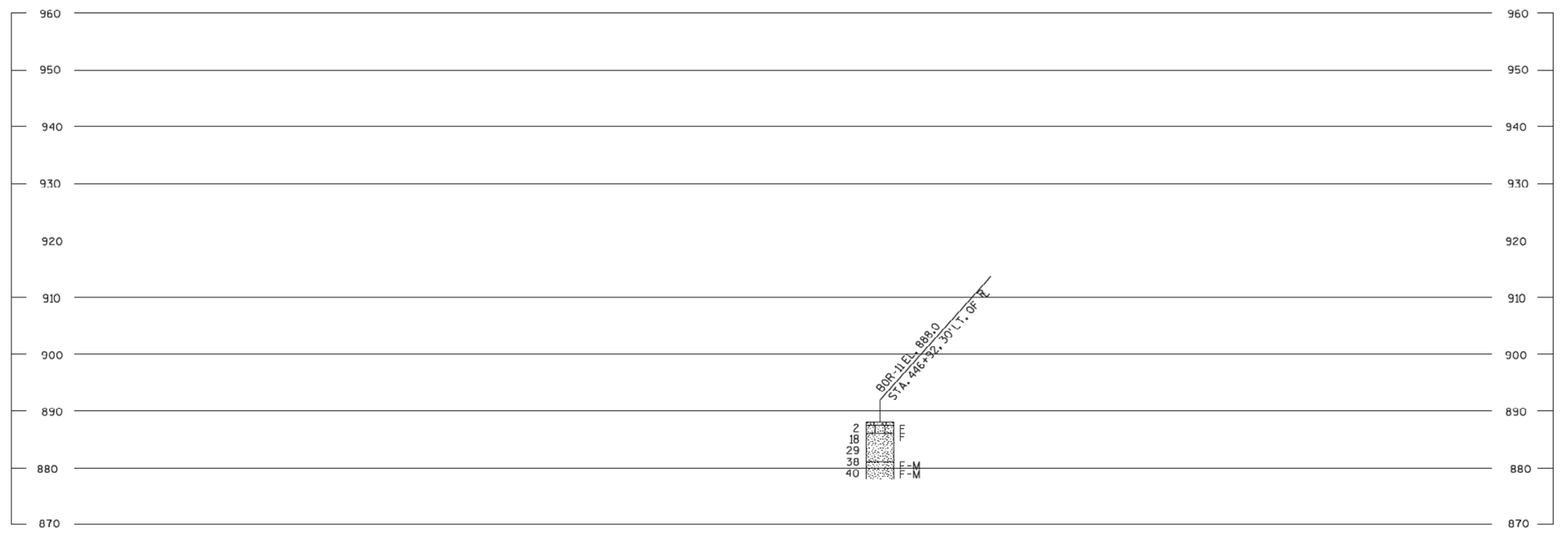
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CABLE GUARD BORINGS	SHEET 427	E

FILE NAME : P:\90S\93\00093367\CADD\BASEDATA\BORING LOCATIONS.DWG
LAYOUT NAME - 027301-xx
PLOT DATE : 5/9/2018 2:47 PM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE :

borings_B1.dgn 7/28/2021 11:17:46 AM rrabska

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
11	4-20-2016	156866.07	467949.88
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY			





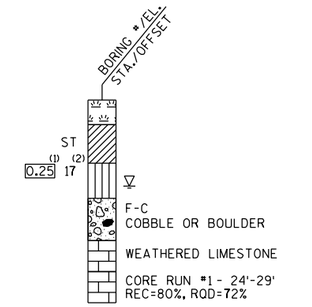
STATE PROJECT NUMBER

1016-05-70

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE CABLE GUARD

DRAWN BY RLR | PLANS CK'D.

SUBSURFACE EXPLORATION

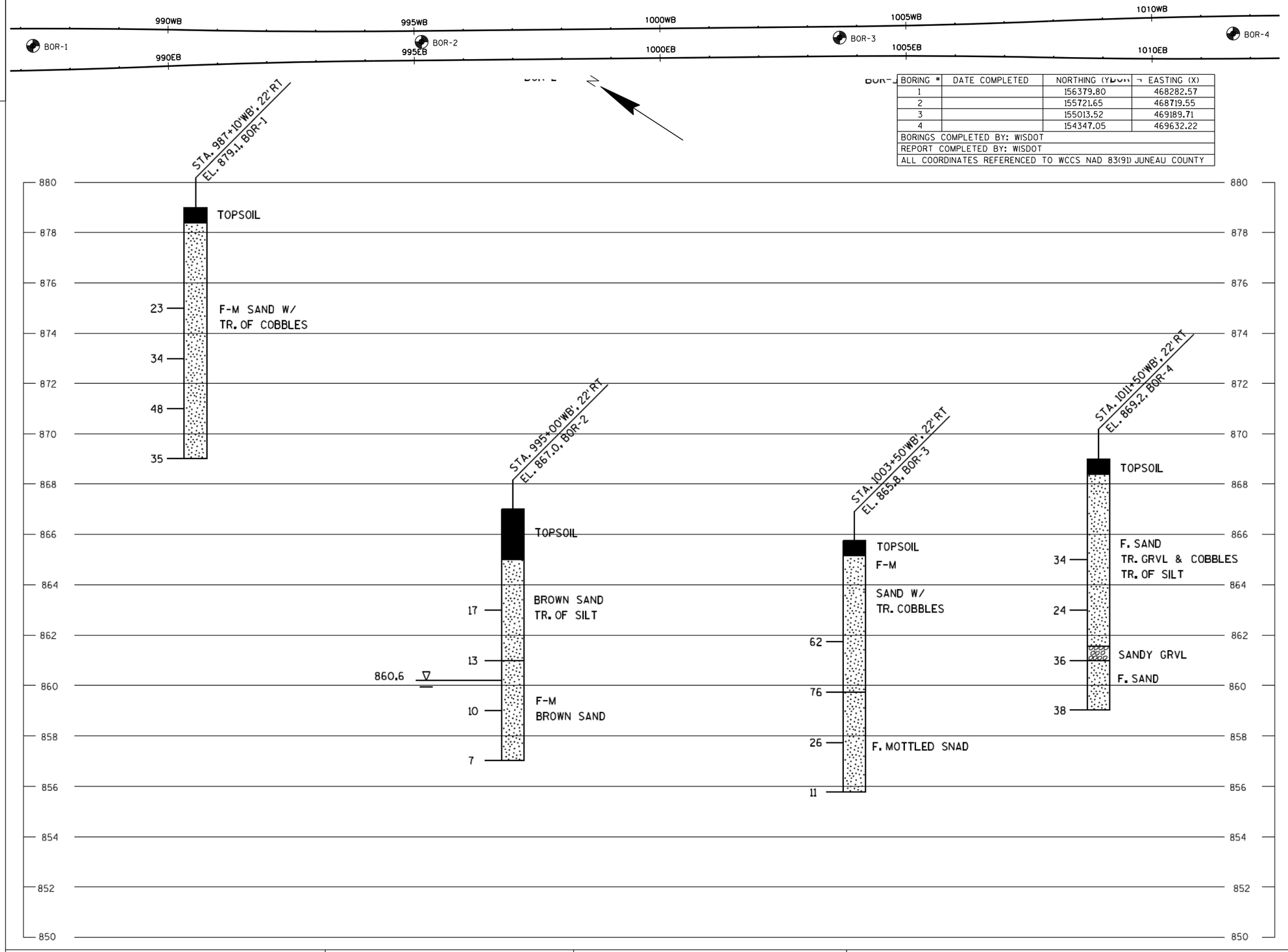
SHEET OF

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CABLE GUARD BORINGS	SHEET 428	E

FILE NAME : P:\90S\93\00093367\CADD\BASEDATA\BORING LOCATIONS.DWG
LAYOUT NAME - 027301-xx
PLOT DATE : 5/9/2018 2:47 PM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

borings_B2.dgn 7/28/2021 2:40:14 PM rrabska



BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1		156379.80	468282.57
2		155721.65	468719.55
3		155013.52	469189.71
4		154347.05	469632.22
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY			

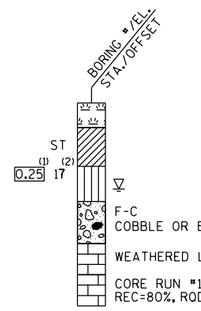
STATE PROJECT NUMBER

1016-05-70

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE CABLE GUARD

DRAWN BY RLR | PLANS CK'D.

SUBSURFACE EXPLORATION

SHEET OF

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CABLE GUARD BORINGS	SHEET 429	E

FILE NAME : P:\90S\93\00093367\CADD\BASEDATA\BORING LOCATIONS.DWG
LAYOUT NAME - 027301-xx
PLOT DATE : 5/9/2018 2:47 PM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE :

borings_B3.dgn 7/28/2021 2:52:21 PM rrabska

Estimate Of Quantities

1016-05-70

Line	Item	Item Description	Unit	Total	Qty
0002	108.3100.S	Incentive/Disincentive for Interim Completion of Work 01.	CD	20.000	20.000
0004	108.3100.S	Incentive/Disincentive for Interim Completion of Work 02.	CD	1.000	1.000
0006	108.4300	RBC Progress Schedule	EACH	1.000	1.000
0008	108.4400	CPM Progress Schedule	EACH	1.000	1.000
0010	201.0105	Clearing	STA	95.000	95.000
0012	201.0205	Grubbing	STA	95.000	95.000
0014	203.0100	Removing Small Pipe Culverts	EACH	10.000	10.000
0016	203.0220	Removing Structure (structure) 01. B-29-34	EACH	1.000	1.000
0018	203.0220	Removing Structure (structure) 02. B-29-35	EACH	1.000	1.000
0020	203.0220	Removing Structure (structure) 03. B-29-36	EACH	1.000	1.000
0022	203.0220	Removing Structure (structure) 04. B-29-37	EACH	1.000	1.000
0024	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 01. B-29-32	EACH	1.000	1.000
0026	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 02. Temporary Bridge 1013+00T	EACH	1.000	1.000
0028	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 03. B-29-33	EACH	1.000	1.000
0030	204.0100	Removing Concrete Pavement	SY	54,716.000	54,716.000
0032	204.0110	Removing Asphaltic Surface	SY	4,573.000	4,573.000
0034	204.0115	Removing Asphaltic Surface Butt Joints	SY	246.000	246.000
0036	204.0120	Removing Asphaltic Surface Milling	SY	11,659.000	11,659.000
0038	204.0150	Removing Curb & Gutter	LF	4,657.000	4,657.000
0040	204.0155	Removing Concrete Sidewalk	SY	3,939.000	3,939.000
0042	204.0165	Removing Guardrail	LF	9,607.000	9,607.000
0044	204.0170	Removing Fence	LF	3,943.000	3,943.000
0046	204.0180	Removing Delineators and Markers	EACH	69.000	69.000
0048	204.0210	Removing Manholes	EACH	1.000	1.000
0050	204.0220	Removing Inlets	EACH	69.000	69.000
0052	204.0245	Removing Storm Sewer (size) 01. 8-Inch	LF	58.000	58.000
0054	204.0245	Removing Storm Sewer (size) 02. 12-Inch	LF	3,179.000	3,179.000
0056	204.0245	Removing Storm Sewer (size) 03. 15-Inch	LF	2,740.000	2,740.000
0058	204.0245	Removing Storm Sewer (size) 04. 18-Inch	LF	1,847.000	1,847.000
0060	204.0245	Removing Storm Sewer (size) 05. 24-Inch	LF	8.000	8.000
0062	204.0270	Abandoning Culvert Pipes	EACH	5.000	5.000
0064	204.9060.S	Removing (item description) 01. Removing Cover Plates Left In Place	EACH	1.000	1.000
0066	204.9060.S	Removing (item description) 02. Removing Endwall	EACH	14.000	14.000
0068	204.9060.S	Removing (item description) 03. Temporary Structure Station 952+00T	EACH	1.000	1.000
0070	204.9060.S	Removing (item description) 04. Temporary Structure Station 983+00T	EACH	1.000	1.000
0072	204.9090.S	Removing (item description) 01. Drain Slotted Vane Longitudinal	LF	4,216.000	4,216.000
0074	205.0100	Excavation Common	CY	136,955.000	136,955.000
0076	205.0400	Excavation Marsh	CY	220.000	220.000
0078	206.1000	Excavation for Structures Bridges (structure) 01. B-29-152	LS	1.000	1.000
0080	206.1000	Excavation for Structures Bridges (structure) 02. B-29-153	LS	1.000	1.000
0082	206.1000	Excavation for Structures Bridges (structure) 03. B-29-154	LS	1.000	1.000
0084	206.1000	Excavation for Structures Bridges (structure) 04. B-29-155	LS	1.000	1.000
0086	206.1000	Excavation for Structures Bridges (structure) 05. B-29-157	LS	1.000	1.000
0088	206.1000	Excavation for Structures Bridges (structure) 06. B-29-36	LS	1.000	1.000
0090	206.5000	Cofferdams (structure) 01. B-29-152	LS	1.000	1.000
0092	206.5000	Cofferdams (structure) 02. B-29-153	LS	1.000	1.000
0094	208.1100	Select Borrow	CY	46,923.000	46,923.000
0096	208.1500.S	Temporary Lane Shift During Culvert Work	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0098	210.1500	Backfill Structure Type A	TON	2,584.000	2,584.000
0100	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 1016-05-70	LS	1.000	1.000
0102	211.0200	Prepare Foundation for Concrete Pavement (project) 01. 1016-05-70	LS	1.000	1.000
0104	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	3,830.000	3,830.000
0106	213.0100	Finishing Roadway (project) 01. 1016-05-70	EACH	1.000	1.000
0108	305.0110	Base Aggregate Dense 3/4-Inch	TON	11,264.000	11,264.000
0110	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	100,187.000	100,187.000
0112	312.0110	Select Crushed Material	TON	456.000	456.000
0114	390.0203	Base Patching Asphaltic	SY	2,656.000	2,656.000
0116	405.0100	Coloring Concrete WisDOT Red	CY	647.000	647.000
0118	415.0115	Concrete Pavement 11 1/2-Inch	SY	24,746.000	24,746.000
0120	415.0125	Concrete Pavement 12 1/2-Inch	SY	52,368.000	52,368.000
0122	415.0210	Concrete Pavement Gaps	EACH	10.000	10.000
0124	415.0410	Concrete Pavement Approach Slab	SY	1,289.000	1,289.000
0126	415.1115	Concrete Pavement HES 11 1/2-Inch	SY	2,011.000	2,011.000
0128	415.1125	Concrete Pavement HES 12 1/2-Inch	SY	5,237.000	5,237.000
0130	415.6000.S	Rout and Seal	LF	40,039.000	40,039.000
0132	416.0512	Concrete Truck Apron 12-Inch	SY	2,096.000	2,096.000
0134	416.0610	Drilled Tie Bars	EACH	144.000	144.000
0136	416.0620	Drilled Dowel Bars	EACH	201.000	201.000
0138	416.1010	Concrete Surface Drains	CY	12.000	12.000
0140	416.1110	Concrete Shoulder Rumble Strips	LF	14,119.000	14,119.000
0142	450.4000	HMA Cold Weather Paving	TON	341.000	341.000
0144	455.0605	Tack Coat	GAL	1,424.000	1,424.000
0146	460.0115.S	HMA Pavement Test Strips Volumetrics	EACH	1.000	1.000
0148	460.0120.S	HMA Pavement Test Strips Density	EACH	1.000	1.000
0150	460.2000	Incentive Density HMA Pavement	DOL	10,670.000	10,670.000
0152	460.5224	HMA Pavement 4 LT 58-28 S	TON	3,944.000	3,944.000
0154	460.6223	HMA Pavement 3 MT 58-28 S	TON	58.000	58.000
0156	460.6224	HMA Pavement 4 MT 58-28 S	TON	45.000	45.000
0158	460.7223	HMA Pavement 3 HT 58-28 S	TON	7,739.000	7,739.000
0160	460.7423	HMA Pavement 3 HT 58-28 H	TON	4,970.000	4,970.000
0162	460.7424	HMA Pavement 4 HT 58-28 H	TON	1,089.000	1,089.000
0164	460.8624	HMA Pavement 4 SMA 58-28 V	TON	180.000	180.000
0166	460.9000.S	Material Transfer Vehicle 01. 1016-05-70	EACH	1.000	1.000
0168	465.0105	Asphaltic Surface	TON	431.000	431.000
0170	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	169.000	169.000
0172	465.0310	Asphaltic Curb	LF	66.000	66.000
0174	465.0315	Asphaltic Flumes	SY	81.000	81.000
0176	465.0400	Asphaltic Shoulder Rumble Strips	LF	15,925.000	15,925.000
0178	501.1000.S	Ice Hot Weather Concreting 01. 1016-05-70	LB	15,405.000	15,405.000
0180	502.0100	Concrete Masonry Bridges	CY	5,197.000	5,197.000
0182	502.1100	Concrete Masonry Seal	CY	180.000	180.000
0184	502.3101	Expansion Device	LF	108.000	108.000
0186	502.3200	Protective Surface Treatment	SY	8,329.000	8,329.000
0188	502.3210	Pigmented Surface Sealer	SY	1,317.000	1,317.000
0190	502.4205	Adhesive Anchors No. 5 Bar	EACH	104.000	104.000
0192	503.0137	Prestressed Girder Type I 36W-Inch	LF	3,465.000	3,465.000
0194	503.0146	Prestressed Girder Type I 45W-Inch	LF	2,896.000	2,896.000

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Line	Item	Item Description	Unit	Total	Qty
0196	505.0400	Bar Steel Reinforcement HS Structures	LB	89,960.000	89,960.000
0198	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	758,920.000	758,920.000
0200	505.0800.S	Bar Steel Reinforcement HS Stainless Structures	LB	10,200.000	10,200.000
0202	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	164.000	164.000
0204	506.4000	Steel Diaphragms (structure) 01. B-29-152	EACH	15.000	15.000
0206	506.4000	Steel Diaphragms (structure) 02. B-29-153	EACH	15.000	15.000
0208	506.4000	Steel Diaphragms (structure) 03. B-29-154	EACH	24.000	24.000
0210	506.4000	Steel Diaphragms (structure) 04. B-29-155	EACH	24.000	24.000
0212	506.4000	Steel Diaphragms (structure) 05. B-29-157	EACH	15.000	15.000
0214	506.5000	Bearing Assemblies Fixed (structure) 01. B-29-36	EACH	2.000	2.000
0216	506.6000	Bearing Assemblies Expansion (structure) 01. B-29-36	EACH	5.000	5.000
0218	506.7050.S	Removing Bearings (structure) 01. B-29-36	EACH	7.000	7.000
0220	509.0301	Preparation Decks Type 1	SY	8.000	8.000
0222	509.0302	Preparation Decks Type 2	SY	4.000	4.000
0224	509.0500	Cleaning Decks	SY	603.000	603.000
0226	509.1000	Joint Repair	SY	59.000	59.000
0228	509.1500	Concrete Surface Repair	SF	214.000	214.000
0230	509.2000	Full-Depth Deck Repair	SY	1.000	1.000
0232	509.2500	Concrete Masonry Overlay Decks	CY	36.000	36.000
0234	511.1200	Temporary Shoring (structure) 01. B-29-152	SF	750.000	750.000
0236	511.1200	Temporary Shoring (structure) 02. B-29-153	SF	750.000	750.000
0238	511.1200	Temporary Shoring (structure) 03. B-29-154	SF	815.000	815.000
0240	511.1200	Temporary Shoring (structure) 04. B-29-155	SF	815.000	815.000
0242	511.1200	Temporary Shoring (structure) 05. B-29-157	SF	480.000	480.000
0244	516.0500	Rubberized Membrane Waterproofing	SY	174.000	174.000
0246	517.3001.S	Structure Overcoating Cleaning and Priming (structure) 01. B-29-36	EACH	1.000	1.000
0248	520.2018	Culvert Pipe Temporary 18-Inch	LF	116.000	116.000
0250	520.8000	Concrete Collars for Pipe	EACH	39.000	39.000
0252	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	5.000	5.000
0254	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	3.000	3.000
0256	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	8.000	8.000
0258	521.1521	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 21-Inch 6 to 1	EACH	1.000	1.000
0260	521.1524	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 6 to 1	EACH	5.000	5.000
0262	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	16.000	16.000
0264	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	54.000	54.000
0266	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	14.000	14.000
0268	522.0148	Culvert Pipe Reinforced Concrete Class III 48-Inch	LF	10.000	10.000
0270	522.0412	Culvert Pipe Reinforced Concrete Class IV 12-Inch	LF	96.000	96.000
0272	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	10.000	10.000
0274	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	484.000	484.000
0276	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	7.000	7.000
0278	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	4.000	4.000
0280	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	21.000	21.000
0282	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	7.000	7.000
0284	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	1.000	1.000
0286	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	2.000	2.000
0288	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	4.000	4.000
0290	530.0112	Culvert Pipe Corrugated Polyethylene 12-Inch	LF	243.000	243.000
0292	530.0118	Culvert Pipe Corrugated Polyethylene 18-Inch	LF	159.000	159.000

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Line	Item	Item Description	Unit	Total	Qty
0294	531.1100	Concrete Masonry Ancillary Structures Type NS	CY	8.800	8.800
0296	531.1140	Steel Reinforcement HS Ancillary Structures Type NS	LB	1,160.000	1,160.000
0298	531.2036	Drilling Shaft 36-Inch	LF	90.000	90.000
0300	531.4050	Foundation Camera Pole 50-FT	EACH	1.000	1.000
0302	531.5420	Foundation Single-Shaft Type TF-II (structure) 01. S-29-0011	EACH	2.000	2.000
0304	531.5420	Foundation Single-Shaft Type TF-II (structure) 02. S-29-0012	EACH	2.000	2.000
0306	532.5420	Truss Full Span 2-Chord Type II (structure) 01. S-29-0011	EACH	1.000	1.000
0308	532.5420	Truss Full Span 2-Chord Type II (structure) 02. S-29-0012	EACH	1.000	1.000
0310	550.0010	Pre-Boring Unconsolidated Materials	LF	960.000	960.000
0312	550.0500	Pile Points	EACH	98.000	98.000
0314	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	600.000	600.000
0316	550.1120	Piling Steel HP 12-Inch X 53 Lb	LF	13,825.000	13,825.000
0318	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	479.000	479.000
0320	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	7,826.000	7,826.000
0322	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	274.000	274.000
0324	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	2,306.000	2,306.000
0326	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	620.000	620.000
0328	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	767.000	767.000
0330	601.0588	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	LF	550.000	550.000
0332	601.0600	Concrete Curb Pedestrian	LF	187.000	187.000
0334	602.0405	Concrete Sidewalk 4-Inch	SF	72,621.000	72,621.000
0336	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	470.000	470.000
0338	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	10.000	10.000
0340	603.8000	Concrete Barrier Temporary Precast Delivered	LF	44,177.000	44,177.000
0342	603.8125	Concrete Barrier Temporary Precast Installed	LF	70,382.000	70,382.000
0344	603.8500	Anchoring Concrete Barrier Temporary Precast	LF	28,509.000	28,509.000
0346	604.0400	Slope Paving Concrete	SY	1,776.000	1,776.000
0348	606.0200	Riprap Medium	CY	104.000	104.000
0350	606.0300	Riprap Heavy	CY	1,361.000	1,361.000
0352	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	26.000	26.000
0354	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	730.000	730.000
0356	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	20.000	20.000
0358	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	610.000	610.000
0360	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	1,970.000	1,970.000
0362	608.2319	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	124.000	124.000
0364	608.2324	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	LF	528.000	528.000
0366	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	288.000	288.000
0368	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	536.000	536.000
0370	608.6015	Storm Sewer Pipe Composite 15-Inch	LF	222.000	222.000
0372	611.0420	Reconstructing Manholes	EACH	2.000	2.000
0374	611.0530	Manhole Covers Type J	EACH	12.000	12.000
0376	611.0612	Inlet Covers Type C	EACH	1.000	1.000
0378	611.0624	Inlet Covers Type H	EACH	9.000	9.000
0380	611.0627	Inlet Covers Type HM	EACH	4.000	4.000
0382	611.0636	Inlet Covers Type HM-S	EACH	8.000	8.000
0384	611.0639	Inlet Covers Type H-S	EACH	14.000	14.000
0386	611.0642	Inlet Covers Type MS	EACH	27.000	27.000
0388	611.0652	Inlet Covers Type T	EACH	2.000	2.000
0390	611.0654	Inlet Covers Type V	EACH	5.000	5.000

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Line	Item	Item Description	Unit	Total	Qty
0392	611.2005	Manholes 5-FT Diameter	EACH	9.000	9.000
0394	611.2006	Manholes 6-FT Diameter	EACH	7.000	7.000
0396	611.3004	Inlets 4-FT Diameter	EACH	6.000	6.000
0398	611.3220	Inlets 2x2-FT	EACH	5.000	5.000
0400	611.3225	Inlets 2x2.5-FT	EACH	1.000	1.000
0402	611.3230	Inlets 2x3-FT	EACH	28.000	28.000
0404	611.3901	Inlets Median 1 Grate	EACH	16.000	16.000
0406	611.3902	Inlets Median 2 Grate	EACH	5.000	5.000
0408	611.8110	Adjusting Manhole Covers	EACH	11.000	11.000
0410	611.8115	Adjusting Inlet Covers	EACH	6.000	6.000
0412	611.8120.S	Cover Plates Temporary	EACH	39.000	39.000
0414	611.9800.S	Pipe Grates	EACH	5.000	5.000
0416	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	2,065.000	2,065.000
0418	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	10.800	10.800
0420	613.1100.S	Cable Barrier Type 1	LF	6,132.000	6,132.000
0422	613.1200.S	Cable Barrier End Terminal Type 1	EACH	6.000	6.000
0424	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	20.000	20.000
0426	614.0400	Adjusting Steel Plate Beam Guard	LF	154.000	154.000
0428	614.0905	Crash Cushions Temporary	EACH	22.000	22.000
0430	614.1000	MGS Guardrail Temporary	LF	562.500	562.500
0432	614.1100	MGS Guardrail Temporary Thrie Beam Transition	LF	118.200	118.200
0434	614.2300	MGS Guardrail 3	LF	7,825.000	7,825.000
0436	614.2500	MGS Thrie Beam Transition	LF	709.200	709.200
0438	614.2610	MGS Guardrail Terminal EAT	EACH	17.000	17.000
0440	614.2620	MGS Guardrail Terminal Type 2	EACH	9.000	9.000
0442	616.0100	Fence Woven Wire (height) 01. 4-FT	LF	4,931.000	4,931.000
0444	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1016-05-70	EACH	1.000	1.000
0446	619.1000	Mobilization	EACH	1.000	1.000
0448	620.0200	Concrete Median Blunt Nose	SF	77.000	77.000
0450	620.0300	Concrete Median Sloped Nose	SF	985.000	985.000
0452	624.0100	Water	MGAL	1,658.900	1,658.900
0454	625.0500	Salvaged Topsoil	SY	213,428.000	213,428.000
0456	627.0200	Mulching	SY	50,901.000	50,901.000
0458	628.1504	Silt Fence	LF	15,765.000	15,765.000
0460	628.1520	Silt Fence Maintenance	LF	15,765.000	15,765.000
0462	628.1905	Mobilizations Erosion Control	EACH	23.000	23.000
0464	628.1910	Mobilizations Emergency Erosion Control	EACH	19.000	19.000
0466	628.2004	Erosion Mat Class I Type B	SY	174,272.000	174,272.000
0468	628.2008	Erosion Mat Urban Class I Type B	SY	35,975.000	35,975.000
0470	628.2031	Erosion Mat Class III Type A	SY	3,185.000	3,185.000
0472	628.6005	Turbidity Barriers	SY	2,487.000	2,487.000
0474	628.7005	Inlet Protection Type A	EACH	60.000	60.000
0476	628.7010	Inlet Protection Type B	EACH	102.000	102.000
0478	628.7015	Inlet Protection Type C	EACH	55.000	55.000
0480	628.7504	Temporary Ditch Checks	LF	903.000	903.000
0482	628.7515.S	Stone Ditch Checks	CY	449.000	449.000
0484	628.7555	Culvert Pipe Checks	EACH	99.000	99.000
0486	628.7560	Tracking Pads	EACH	28.000	28.000
0488	628.7570	Rock Bags	EACH	388.000	388.000

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Line	Item	Item Description	Unit	Total	Qty
0490	629.0210	Fertilizer Type B	CWT	139.500	139.500
0492	630.0120	Seeding Mixture No. 20	LB	3,818.000	3,818.000
0494	630.0200	Seeding Temporary	LB	1,377.000	1,377.000
0496	630.0500	Seed Water	MGAL	4,871.800	4,871.800
0498	633.0200	Delineators Flexible	EACH	116.000	116.000
0500	633.5100	Markers ROW	EACH	20.000	20.000
0502	633.5200	Markers Culvert End	EACH	31.000	31.000
0504	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	58.000	58.000
0506	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	64.000	64.000
0508	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	22.000	22.000
0510	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	18.000	18.000
0512	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	5.000	5.000
0514	635.0200	Sign Supports Structural Steel HS	LB	4,966.000	4,966.000
0516	637.1220	Signs Type I Reflective SH	SF	843.000	843.000
0518	637.2210	Signs Type II Reflective H	SF	1,244.150	1,244.150
0520	637.2215	Signs Type II Reflective H Folding	SF	40.000	40.000
0522	637.2230	Signs Type II Reflective F	SF	211.000	211.000
0524	638.2101	Moving Signs Type I	EACH	4.000	4.000
0526	638.2102	Moving Signs Type II	EACH	57.000	57.000
0528	638.2601	Removing Signs Type I	EACH	6.000	6.000
0530	638.2602	Removing Signs Type II	EACH	110.000	110.000
0532	638.3000	Removing Small Sign Supports	EACH	126.000	126.000
0534	638.3100	Removing Structural Steel Sign Supports	EACH	7.000	7.000
0536	638.4000	Moving Small Sign Supports	EACH	42.000	42.000
0538	638.4100	Moving Structural Steel Sign Supports	EACH	5.000	5.000
0540	642.5401	Field Office Type D	EACH	1.000	1.000
0542	643.0300	Traffic Control Drums	DAY	107,545.000	107,545.000
0544	643.0410	Traffic Control Barricades Type II	DAY	915.000	915.000
0546	643.0420	Traffic Control Barricades Type III	DAY	15,474.000	15,474.000
0548	643.0705	Traffic Control Warning Lights Type A	DAY	30,207.000	30,207.000
0550	643.0715	Traffic Control Warning Lights Type C	DAY	31,705.000	31,705.000
0552	643.0800	Traffic Control Arrow Boards	DAY	178.000	178.000
0554	643.0900	Traffic Control Signs	DAY	44,687.000	44,687.000
0556	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	1,616.000	1,616.000
0558	643.1205.S	Basic Traffic Queue Warning System	DAY	354.000	354.000
0560	643.5000	Traffic Control	EACH	1.000	1.000
0562	644.1601	Temporary Pedestrian Curb Ramp	DAY	272.000	272.000
0564	644.1810	Temporary Pedestrian Barricade	LF	1,113.000	1,113.000
0566	645.0111	Geotextile Type DF Schedule A	SY	656.000	656.000
0568	645.0120	Geotextile Type HR	SY	2,104.000	2,104.000
0570	645.0130	Geotextile Type R	SY	277.000	277.000
0572	645.0140	Geotextile Type SAS	SY	918.000	918.000
0574	646.1005	Marking Line Paint 4-Inch	LF	40,627.000	40,627.000
0576	646.1020	Marking Line Epoxy 4-Inch	LF	12,806.000	12,806.000
0578	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	42,044.000	42,044.000
0580	646.1555	Marking Line Grooved Contrast Permanent Tape 4-Inch	LF	4,222.000	4,222.000
0582	646.3005	Marking Line Paint 8-Inch	LF	2,071.000	2,071.000
0584	646.3020	Marking Line Epoxy 8-Inch	LF	4,029.000	4,029.000
0586	646.3555	Marking Line Grooved Contrast Permanent Tape 8-Inch	LF	4,527.000	4,527.000

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Line	Item	Item Description	Unit	Total	Qty
0588	646.5020	Marking Arrow Epoxy	EACH	21.000	21.000
0590	646.5120	Marking Word Epoxy	EACH	5.000	5.000
0592	646.6120	Marking Stop Line Epoxy 18-Inch	LF	18.000	18.000
0594	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	132.000	132.000
0596	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	45,199.000	45,199.000
0598	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	4,527.000	4,527.000
0600	646.7120	Marking Diagonal Epoxy 12-Inch	LF	367.000	367.000
0602	646.7220	Marking Chevron Epoxy 24-Inch	LF	569.000	569.000
0604	646.7405	Marking Crosswalk Paint Transverse Line 6-Inch	LF	957.000	957.000
0606	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	711.000	711.000
0608	646.8120	Marking Curb Epoxy	LF	196.000	196.000
0610	646.8220	Marking Island Nose Epoxy	EACH	6.000	6.000
0612	646.9000	Marking Removal Line 4-Inch	LF	17,970.000	17,970.000
0614	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	22,966.000	22,966.000
0616	646.9100	Marking Removal Line 8-Inch	LF	1,214.000	1,214.000
0618	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	1,169.000	1,169.000
0620	649.0105	Temporary Marking Line Paint 4-Inch	LF	86,963.000	86,963.000
0622	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	10,631.000	10,631.000
0624	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	31,673.000	31,673.000
0626	649.0205	Temporary Marking Line Paint 8-Inch	LF	5,726.000	5,726.000
0628	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	1,444.000	1,444.000
0630	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	512.000	512.000
0632	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	32.000	32.000
0634	650.4000	Construction Staking Storm Sewer	EACH	116.000	116.000
0636	650.4500	Construction Staking Subgrade	LF	23,565.000	23,565.000
0638	650.5000	Construction Staking Base	LF	46,565.000	46,565.000
0640	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	894.000	894.000
0642	650.6000	Construction Staking Pipe Culverts	EACH	27.000	27.000
0644	650.6500	Construction Staking Structure Layout (structure) 01. S-29-0011	LS	1.000	1.000
0646	650.6500	Construction Staking Structure Layout (structure) 02. S-29-0012	LS	1.000	1.000
0648	650.7000	Construction Staking Concrete Pavement	LF	23,045.000	23,045.000
0650	650.8000	Construction Staking Resurfacing Reference	LF	3,016.000	3,016.000
0652	650.8500	Construction Staking Electrical Installations (project) 01. 1016-05-70	LS	1.000	1.000
0654	650.9000	Construction Staking Curb Ramps	EACH	4.000	4.000
0656	650.9910	Construction Staking Supplemental Control (project) 01. 1016-05-70	LS	1.000	1.000
0658	650.9920	Construction Staking Slope Stakes	LF	31,907.000	31,907.000
0660	652.0125	Conduit Rigid Metallic 2-Inch	LF	10.000	10.000
0662	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	7,950.000	7,950.000
0664	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	32.000	32.000
0666	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	465.000	465.000
0668	652.0605	Conduit Special 2-Inch	LF	846.000	846.000
0670	652.0700.S	Install Conduit into Existing Item	EACH	1.000	1.000
0672	653.0140	Pull Boxes Steel 24x42-Inch	EACH	4.000	4.000
0674	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	49.000	49.000
0676	654.0105	Concrete Bases Type 5	EACH	37.000	37.000
0678	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
0680	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,270.000	1,270.000
0682	655.0525	Electrical Wire Traffic Signals 6 AWG	LF	375.000	375.000
0684	655.0610	Electrical Wire Lighting 12 AWG	LF	34,885.000	34,885.000

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Line	Item	Item Description	Unit	Total	Qty
0686	655.0615	Electrical Wire Lighting 10 AWG	LF	9,702.000	9,702.000
0688	655.0620	Electrical Wire Lighting 8 AWG	LF	10,974.000	10,974.000
0690	655.0625	Electrical Wire Lighting 6 AWG	LF	7,290.000	7,290.000
0692	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. 985+51B	LS	1.000	1.000
0694	656.0200	Electrical Service Meter Breaker Pedestal (location) 02. CCTV-29-0143	LS	1.000	1.000
0696	656.0500	Electrical Service Breaker Disconnect Box (location) 01. CCTV-29-0143	LS	1.000	1.000
0698	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	37.000	37.000
0700	657.0322	Poles Type 5-Aluminum	EACH	37.000	37.000
0702	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	6.000	6.000
0704	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	44.000	44.000
0706	659.0600	Underdeck Lighting (location) 01. 145+09EB82	LS	1.000	1.000
0708	659.0600	Underdeck Lighting (location) 02. 146+35EB82	LS	1.000	1.000
0710	659.1115	Luminaires Utility LED A	EACH	22.000	22.000
0712	659.1125	Luminaires Utility LED C	EACH	28.000	28.000
0714	659.1210	Luminaires Underdeck LED B	EACH	8.000	8.000
0716	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000
0718	661.0100	Temporary Traffic Signals for Bridges (structure) 01. B-29-0037 Underneath on CTH G	LS	1.000	1.000
0720	661.0200	Temporary Traffic Signals for Intersections (location) 01. Westbound Ramp	LS	1.000	1.000
0722	661.0200	Temporary Traffic Signals for Intersections (location) 02. Eastbound Ramp	LS	1.000	1.000
0724	662.1037.S	Ramp Closure Gates 37-FT	EACH	1.000	1.000
0726	662.1040.S	Ramp Closure Gates 40-FT	EACH	1.000	1.000
0728	670.0100	Field System Integrator	LS	1.000	1.000
0730	670.0200	ITS Documentation	LS	1.000	1.000
0732	673.0200	Tracer Wire Marker Posts	EACH	1.000	1.000
0734	673.0225.S	Install Pole Mounted Cabinet	EACH	1.000	1.000
0736	677.0150	Install Camera Pole 50-FT	EACH	1.000	1.000
0738	677.0200	Install Camera Assembly	EACH	1.000	1.000
0740	678.0006	Install Fiber Optic Cable Outdoor Plant 6-CT	LF	1,470.000	1,470.000
0742	678.0200	Fiber Optic Splice Enclosure	EACH	1.000	1.000
0744	678.0300	Fiber Optic Splice	EACH	4.000	4.000
0746	678.0400	Fiber Optic Termination	EACH	6.000	6.000
0748	678.0500	Communication System Testing	LS	1.000	1.000
0750	678.0600	Install Ethernet Switches	EACH	1.000	1.000
0752	690.0150	Sawing Asphalt	LF	9,641.000	9,641.000
0754	690.0250	Sawing Concrete	LF	735.000	735.000
0756	715.0502	Incentive Strength Concrete Structures	DOL	31,364.000	31,364.000
0758	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	23,738.000	23,738.000
0760	740.0440	Incentive IRI Ride	DOL	17,996.000	17,996.000
0762	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. 952+00'T'	EACH	1.000	1.000
0764	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 02. 983+00'T'	EACH	1.000	1.000
0766	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 03. 1013+00'T'	EACH	1.000	1.000
0768	999.2005.S	Maintaining Bird Deterrent System (station) 01. 1013+00'EB'	EACH	1.000	1.000
0770	999.2005.S	Maintaining Bird Deterrent System (station) 02. 1013+00'WB'	EACH	1.000	1.000
0772	SPV.0045	Special 01. Temporary Detectable Warning Field	DAY	580.000	580.000
0774	SPV.0045	Special 02. Temporary Crosswalk	DAY	285.000	285.000
0776	SPV.0045	Special 03. Combination Work Zone Digital Speed Limit-Speed Feedback Sign Trailer (WZDSL	DAY	830.000	830.000
0778	SPV.0060	Special 01. Emergency Response to Pavement Repairs	EACH	12.000	12.000
0780	SPV.0060	Special 02. Emergency Response to Traffic Incident Involving Conc Barrier Temp Precast	EACH	9.000	9.000

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Line	Item	Item Description	Unit	Total	Qty
0782	SPV.0060	Special 03. Emergency Response to Traffic Incident Involving Crash Cushion	EACH	9.000	9.000
0784	SPV.0060	Special 04. Repair Crash Cushion	EACH	6.000	6.000
0786	SPV.0060	Special 05. Removing Sign and Foundation	EACH	1.000	1.000
0788	SPV.0060	Special 06. Maintenance for Temporary Bridge	EACH	3.000	3.000
0790	SPV.0060	Special 07. Concrete Pipe Support	EACH	1.000	1.000
0792	SPV.0060	Special 08. Maint and Removal of Crash Cushion Barrier Temp Precast L.I.P. By Others	EACH	22.000	22.000
0794	SPV.0060	Special 11. Cleaning and Painting Bearings	EACH	13.000	13.000
0796	SPV.0060	Special 12. Utility Line Opening (ULO)	EACH	8.000	8.000
0798	SPV.0060	Special 13. Landmark Reference Monuments Special	EACH	6.000	6.000
0800	SPV.0060	Special 14. Verify Landmark Reference Monuments	EACH	6.000	6.000
0802	SPV.0060	Special 15. Temporary Pipe Connection	EACH	2.000	2.000
0804	SPV.0060	Special 16. Inlet Covers Flat Temporary	EACH	8.000	8.000
0806	SPV.0060	Special 17. Ground Rod	EACH	1.000	1.000
0808	SPV.0060	Special 18. Temporary Ditch and Storm Sewer Maintenance	EACH	1.000	1.000
0810	SPV.0060	Special 19. Construction Staking Roundabout - IH 90 WB Ramp	EACH	1.000	1.000
0812	SPV.0060	Special 20. Construction Staking Roundabout - IH 90 EB Ramp	EACH	1.000	1.000
0814	SPV.0090	Special 01. Maint and Removal of Conc Barrier Temp Precast L.I.P. by Others	LF	24,208.000	24,208.000
0816	SPV.0090	Special 03. Drain Slotted Vane Longitudinal	LF	2,302.000	2,302.000
0818	SPV.0090	Special 04. Remove and Salvage Modular Block Retaining Wall	LF	555.000	555.000
0820	SPV.0090	Special 05. Traffic Control Gawk Screen Furnished	LF	21,597.000	21,597.000
0822	SPV.0090	Special 06. Traffic Control Gawk Screen Installed	LF	21,597.000	21,597.000
0824	SPV.0090	Special 07. Traffic Control Gawk Screen Moved	LF	7,832.000	7,832.000
0826	SPV.0180	Special 01. Slope Paving Repair	SY	89.000	89.000

CLEARING AND GRUBBING

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
STAGE 2							
0010	969+83	-	971+17	'C'	RT	2	2
0010	974+21	-	978+40	'C'	RT	5	5
0010	979+50	-	982+27	'EB'	RT	3	3
0010	973+00	-	982+32	'B'	LT	10	10
0010	981+82	-	989+12	'D'	RT	8	8
0010	984+10	-	986+71	'EB'	RT	3	3
0010	990+20	-	990+48	'A'	LT	1	1
0010	990+50	-	994+09	'D'	RT	4	4
0010	996+88	-	997+25	'EB'	RT	1	1
0010	1001+65	-	1002+55	'EB'	RT	1	1
0010	1006+58	-	1007+10	'EB'	RT	1	1
0010	1007+56	-	1011+81	'EB'	RT	5	5
0010	1013+94	-	1026+27	'EB'	RT	13	13
					STAGE 2 SUBTOTAL	57	57
STAGE 3							
0010	944+45	-	950+64	'WB'	LT	7	7
0010	953+38	-	956+50	'WB'	LT	4	4
0010	957+88	-	958+23	'WB'	LT	1	1
0010	965+34	-	973+00	'WB'	LT	8	8
0010	978+58	-	983+62	'WB'	LT	6	6
0010	986+72	-	987+83	'WB'	LT	2	2
0010	994+21	-	994+57	'WB'	LT	1	1
0010	997+05	-	999+75	'WB'	LT	3	3
0010	1001+92	-	1002+63	'WB'	LT	1	1
0010	1005+29	-	1007+25	'WB'	LT	2	2
0010	1016+29	-	1016+99	'WB'	LT	1	1
0010	1024+34	-	1025+74	'WB'	LT	2	2
					STAGE 3 SUBTOTAL	38	38
					TOTAL 0010	95	95

REMOVING AND ABANDONING CULVERT PIPES

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0270 ABANDONING CULVERT PIPES EACH	REMARKS
STAGE 2									
0010	963+11	-	---	'EB'	LT & RT	2A	1	---	18" CMCP X 57' PREVIOUSLY ABANDONED
0010	973+14	-	---	'EB'	LT & RT	2A	1	---	18" CPRC X 86' PREVIOUSLY ABANDONED
0010	980+12	-	---	'EB'	LT & RT	2	---	1	
0010	985+56	-	---	'EB'	LT & RT	2	---	1	
0010	13+23	-	13+91	'ERAB'	RT	2B	1	---	STAGE 2B & 2C- 30" CPRC X 89'
0010	10+03	-	12+01	'ERAB'	RT	2C	1	---	STAGE 2C & 2E- 30" CPRC X 232'
0010	11+12	-	11+26	'ERAB'	RT	2D	1	---	STAGE 2D- 30" CPRC X 28'
0010	985+33	-	985+52	'B'	RT	2E	1	---	STAGE 2E- 30" CPRC X 76'
0010	985+51	-	986+67	'D'	LT	2E	1	---	STAGE 2E- TEMPORARY 18" X 118'
0010	141+94	-	142+59	'WB82'	RT	2F	1	---	STAGE 2F-EX RAMP C - 24" CPRC X 96'
						STAGE 2 SUBTOTAL	8	2	
STAGE 3									
0010	980+00	-	980+00	B'	RT	3C	---	1	STAGE 3B-RAMP B - TEMPORARY CULVERT ABANDONMENT
						STAGE 3 SUBTOTAL	0	1	
STAGE 4									
0010	945+13	-	---	'EB'	LT	4	1	---	18" CMCP X 22'
0010	982+64	-	---	'WB'	RT	4	---	1	18" CMCP
0010	997+12	-	---	'WB'	LT	4	---	1	18" CMCP
						STAGE 4 SUBTOTAL	1	2	
						TOTAL 0010	9	5	
STAGE 2									
0080	154+11	-	154+79	'WB82'	LT	2B	1	---	STAGE 2D- 15" CMCP X 68'
						STAGE 2 SUBTOTAL	1	0	
						TOTAL 0080	1	0	
						PROJECT TOTAL	10	5	

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	REMARKS
STAGE 2							
0010	952+43	-	982+65	'EB'	MAINLINE	10,184	
0010	971+73	-	978+40	'C'	LT	1,381	EXISTING EB OFF RAMP
0010	981+82	-	994+13	'D'	LT	2,582	EXISTING EB ON RAMP
0010	984+35	-	1012+35	'EB'	MAINLINE	8,800	
0010	1014+29	-	1030+01	'EB'	MAINLINE	4,051	
					STAGE 2 SUBTOTAL	26,998	
STAGE 3							
0010	944+01	-	951+87	'WB'	MAINLINE	2,223	
0010	953+06	-	983+23	'WB'	MAINLINE	10,316	
0010	973+08	-	985+46	'B'	RT	2,163	EXISTING WB ON RAMP
0010	989+01	-	992+86	'A'	RT	844	EXISTING WB OFF RAMP
0010	984+99	-	1012+49	'WB'	MAINLINE	8,121	
0010	1014+51	-	1029+90	'WB'	MAINLINE	4,051	
					STAGE 3 SUBTOTAL	27,718	
					TOTAL 0010	54,716	

REMOVING FENCE

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	204.0170 REMOVING FENCE LF
STAGE 2						
0010	950+45	-	950+90	'EB'	RT	70
0010	981+62	-	988+83	'D'	RT	732
0010	1008+33	-	1009+17	'EB'	RT	85
0010	1014+33	-	1018+44	'EB'	RT	425
					STAGE 2 SUBTOTAL	1,312
STAGE 3						
0010	951+89	-	952+27	'WB'	LT	83
0010	953+34	-	955+66	'WB'	LT	267
0010	973+43	-	984+28	'B'	LT	1,110
0010	990+72	-	997+38	'A'	LT	674
0010	1012+44	-	1012+49	'WB'	LT	47
0010	1014+60	-	1017+02	'WB'	LT	283
0010	1024+26	-	1025+89	'WB'	LT	167
					STAGE 3 SUBTOTAL	2,631
					TOTAL 0010	3,943

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
STAGE 2										
0010	947+02	-	947+52	'EB'	MAINLINE	2	---	220	---	
0010	947+52	-	948+00	'EB'	MAINLINE	2	---	---	216	
0010	138+42	-	141+91	'EB82'	LT	2A	---	---	304	
0010	143+00	-	148+82	'EB82'	LT	2A	---	---	424	
0010	151+92	-	152+67	'EB82'	LT	2A	---	---	22	
0010	142+42	-	142+98	'EB82'	LT	2E	58	---	---	
0010	11+09	-	12+54	'SWBY'	LT	2F	413	---	---	
0010	10+09	-	11+91	'WRAB'	LT	2F	599	---	---	
0010	12+36	-	10+71	'ERAB'	LT	2F	804	---	---	
0010	140+45	-	140+76	'EB82'	LT	2G	35	---	---	
0010	147+76	-	148+29	'EB82'	LT	2G	35	---	---	
0010	150+08	-	151+23	'ERAB'	LT	2G	245	---	---	
0010	10+00	-	10+36	'NEBP'	RT	2G	48	---	---	
						STAGE 2 SUBTOTAL	2,237	220	966	
STAGE 4										
0010	935+48	-	936+38	'EB'	MEDIAN	4	161	---	---	MAINTENANCE CROSSOVER
						STAGE 4 SUBTOTAL	161	0	0	
						TOTAL 0010	2,398	220	966	
STAGE 2										
0080	136+80	-	138+42	EXWB82'	LT	2A	---	---	74	
0080	152+67	-	157+27	EXWB82'	LT	2A	---	---	494	
0080	165+00	-	174+70	EXWB82'	LT	2A	---	---	907	
0080	159+22	-	172+29	'EB82'	RT	2B	---	3	4,513	
0080	159+18	-	167+55	'WB82'	LT & RT	2D	590	6	3,042	
0080	130+24	-	131+81	'EXEB82'	LT	2F	421	---	---	
0080	159+21	-	176+48	'EB82'	RT	2F	998	---	---	
0080	172+29	-	176+48	'EB82'	LT & RT	2F	---	17	1,663	
0080	154+46	-	155+10	'EB82'	LT	2G	113			
0080	158+82	-	159+22	'EB82'	LT	2G	53	---	---	
						STAGE 2 SUBTOTAL	2,175	26	10,693	
						TOTAL 0080	2,175	26	10,693	
						PROJECT TOTAL	4,573	246	11,659	

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REMOVING CURB AND GUTTER

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	204.0150 REMOVING CURB & GUTTER LF
STAGE 2							
0010	142+36	-	143+11	'EXEB82'	LT	2A	150
0010	143+70	-	148+56	'EXEB82'	LT	2A	978
0010	149+07	-	149+75	'EXWB82'	LT & RT	2A	138
0010	81+88	-	81+88	'EXC'	LT & RT	2A	104
0010	85+93	-	86+13	'EXA'	LT & RT	2A	70
0010	85+24	-	85+87	'EXB'	RT	2A	64
0010	82+90	-	83+52	'EXD'	LT	2B	109
0010	152+19	-	152+57	'EXEB82'	LT	2B	77
0010	85+91	-	86+65	'EXA'	LT & RT	2C	142
0010	85+24	-	86+15	'EXB'	LT	2D	206
0010	81+11	-	81+57	EXC'	RT	2D	88
0010	81+53	-	82+00	'EXC'	LT	2E	47
						STAGE 2 SUBTOTAL	2,173
STAGE 3							
0010	21+38	-	22+75	'G'	LT	3	137
0010	21+38	-	22+75	'G'	RT	3	137
						STAGE 3 SUBTOTAL	274
						TOTAL 0010	2,447
STAGE 2							
0080	130+24	-	131+81	'EXEB82'	LT	2A	157
0080	130+34	-	131+90	'EXWB82'	RT	2A	158
0080	5+25	-	5+58	'C'	LT	2A	83
0080	152+57	-	153+86	'EXEB82'	LT	2B	261
0080	154+71	-	157+78	'EXEB82'	LT	2B	621
0080	158+71	-	162+24	'EXEB82'	LT	2B	360
0080	5+25	-	6+05	'C'	LT & RT	2D	217
0080	158+71	-	162+24	'EXWB82'	RT	2D	353
						STAGE 2 SUBTOTAL	2,210
						TOTAL 0080	2,210
						PROJECT TOTAL	4,657

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	204.0155 REMOVING CONCRETE SIDEWALK SY
STAGE 2							
0010	142+75	-	143+17	'EB82'	LT	2A	54
0010	143+75	-	148+64	'EB82'	LT	2A	254
0010	149+10	-	149+49	'WB82'	LT & RT	2A	43
0010	81+49	-	81+88	'EXC'	LT & RT	2A	43
0010	85+94	-	86+12	'EXA'	LT & RT	2A	25
0010	82+81	-	83+13	'EXD'	LT	2B	40
0010	138+69	-	142+70	'EB82'	LT	2B	435
0010	148+15		149+20	'EB82'	RT	2B	108
0010	152+31	-	152+70	'EB82'	LT	2B	38
0010	149+76	-	150+83	'EB82'	RT	2C	123
0010	139+87	-	142+18	'WB82'	LT	2D	130
0010	142+82	-	148+77	'WB82'	LT	2D	455
0010	149+05	-	151+59	'WB82'	LT	2D	116
0010	143+68	-	148+15	'EB82'	RT	2G	623
						STAGE 2 SUBTOTAL	2,487
STAGE 3							
0010	21+19	-	21+09	'G'	LT	3	373
0010	21+38	-	23+00	'G'	RT	3	566
						STAGE 3 SUBTOTAL	939
						TOTAL 0010	3,426
STAGE 2							
0080	129+81	-	131+81	'EXEB82'	LT	2A	158
0080	5+25	-	6+05	'C'	LT	2A	9
0080	152+70	-	153+98	'EB82'	LT	2B	87
0080	154+82	-	157+90	'EB82'	LT	2B	163
0080	5+30	-	5+75	'C'	LT & RT	2D	96
						STAGE 2 SUBTOTAL	513
						TOTAL 0080	513
						PROJECT TOTAL	3,939

REMOVING GUARDRAIL

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	204.0165 REMOVING GUARDRAIL LF
STAGE 2							
0010	948+57	-	950+95	'EB'	RT	2A	237
0010	952+37	-	957+99	'EB'	RT	2A	562
0010	975+72	-	982+28	'EB'	RT	2A	656
0010	984+45	-	989+08	'EB'	RT	2A	462
0010	1007+10	-	1012+18	'EB'	RT	2A	508
0010	1014+37	-	1027+01	'EB'	RT	2A	1,268
0010	144+32	-	147+06	'EB82'	RT	2B	273
0010	144+35	-	147+00	'EB82'	LT	2B	265
0010	144+29	-	146+97	'WB82'	RT	2B	269
0010	144+26	-	147+12	'WB82'	LT	2D	287
						STAGE 2 SUBTOTAL	4,787
STAGE 3							
0010	946+39	-	951+89	'WB'	LT	3A	550
0010	953+30	-	959+44	'WB'	LT	3A	614
0010	977+90	-	983+15	'WB'	LT	3A	525
0010	985+33	-	990+37	'WB'	LT	3A	504
0010	1007+33	-	1012+41	'WB'	LT	3A	508
0010	1014+60	-	1019+31	'WB'	LT	3A	469
0010	951+00	-	951+40	'WB'	LT	3B	39
0010	955+90	-	960+21	'WB'	LT	3B	431
0010	1008+87	-	1009+26	'WB'	LT	3B	39
0010	1017+17	-	1028+24	'WB'	LT	3B	1,101
0010	989+56	-	989+94	'WB'	LT	3B	39
						STAGE 3 SUBTOTAL	4,820
						TOTAL 0010	9,607

REMOVING DELINEATORS AND MARKERS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	204.0180 REMOVING DELINEATORS AND MARKERS EACH
STAGE 2						
0010	947+02	-	964+00	'B'	RT	4
0010	964+00	-	978+39	'C'	RT	7
0010	970+00	-	991+00	'EB'	RT	2
0010	981+82	-	997+40	'D'	RT	11
0010	997+40	-	1030+01	'EB'	RT	8
					STAGE 2 SUBTOTAL	32
STAGE 3						
0010	944+01	-	971+00	'WB'	LT	7
0010	971+00	-	985+45	'B'	LT	13
0010	973+00	-	996+00	'WB'	LT	3
0010	989+01	-	1000+00	'A'	LT	8
0010	1000+00	-	1029+90	'WB'	LT	6
					STAGE 3 SUBTOTAL	37
					TOTAL 0010	69

REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 8-INCH) LF	204.0245.02 REMOVING STORM SEWER (SIZE) (02. 12-INCH) LF	204.0245.03 REMOVING STORM SEWER (SIZE) (03. 15-INCH) LF	204.0245.04 REMOVING STORM SEWER (SIZE) (04. 18-INCH) LF	204.0245.05 REMOVING STORM SEWER (SIZE) (05. 24-INCH) LF	204.9060.S.01 REMOVING (ITEM DESCRIPTION) (01. REMOVING COVER PLATES LEFT IN PLACE) EACH	204.9060.S.02 REMOVING (ITEM DESCRIPTION) (02. REMOVING ENDWALL) EACH	204.9090.S.01 REMOVING (ITEM DESCRIPTION) (01. DRAIN SLOTTED VANE LONGITUDINAL) LF	REMARKS
STAGE 2																	
0010	961+49	-	---	'EB'	RT	2A	---	---	---	---	---	---	---	---	1	---	
0010	963+01	-	---	'EB'	RT	2A	---	---	---	---	---	---	---	---	1	---	
0010	996+81	-	---	'EB'	RT	2A	---	---	---	---	---	---	---	---	1	---	
0010	1002+29	-	---	'EB'	RT	2A	---	---	---	---	---	---	---	---	1	---	
0010	1023+78	-	---	'EB'	RT	2A	---	---	---	---	---	---	---	---	1	---	
0010	142+20	-	143+07	'EXEB82'	LT	2A	---	1	---	87	---	---	---	---	---	---	
0010	149+10	-	149+73	'EXEB82'	LT	2A	---	1	---	84	---	---	---	---	---	---	
0010	11+80	-	11+80	'WRAB'	RT	2B	---	1	---	---	---	---	---	---	---	---	
0010	143+14	-	143+14	'EB82'	RT	2B	---	1	---	---	---	---	---	---	---	---	
0010	144+59	-	145+17	'EB82'	LT	2B	---	1	58	---	---	---	---	---	---	---	
0010	149+98	-	149+98	'WB82'	LT	2C	---	1	---	---	---	---	---	---	---	---	
0010	11+80	-	12+63	'WRAB'	RT	2D	---	---	---	---	---	81	---	---	---	---	
0010	143+30	-	144+59	'WB82'	LT & RT	2D	1	---	---	---	---	147	---	---	---	---	
0010	10+08	-	10+08	'NEBY'	LT & RT	2D	---	---	---	---	---	80	---	---	---	---	
0010	143+14	-	144+12	'EB82'	RT	2E	---	1	---	---	---	103	---	---	---	---	
						STAGE 2 SUBTOTAL	1	7	58	171	0	411	0	0	5	0	
STAGE 3																	
0010	950+09	-	---	'WBT'	LT	3A	---	---	---	---	---	---	---	---	1	---	
0010	954+12	-	---	'WBT'	LT	3A	---	---	---	---	---	---	---	---	1	---	
0010	982+10	-	---	'WBT'	LT	3A	---	---	---	---	---	---	---	---	1	---	
0010	940+68	-	941+48	'WB'	RT	3B	---	2	---	---	100	---	---	---	---	---	
0010	955+98	-	957+98	'WB'	RT	3B	---	1	---	200	---	---	---	---	---	---	
0010	980+00	-	980+00	B'	RT	3B	---	1	---	---	---	---	---	---	---	---	
0010	963+37	-	---	'WB'	LT	3	---	---	---	---	---	---	---	---	1	---	
0010	996+79	-	---	'A'	LT	3	---	---	---	---	---	---	---	---	1	---	
0010	1002+28	-	---	'WB'	LT	3	---	---	---	---	---	---	---	---	1	---	
0010	1024+94	-	---	'WB'	LT	3	---	---	---	---	---	---	---	---	1	---	
						STAGE 3 SUBTOTAL	0	4	0	200	100	0	0	0	7	0	
STAGE 4																	
0010	940+62	-	941+22	WB'	RT	4	---	---	---	60	---	---	---	---	---	---	
0010	947+52	-	---	EB'	LT	4	---	1	---	---	---	---	---	---	---	---	STR 23.1
0010	953+08	-	955+98	WB'	RT	4	---	1	---	---	290	---	---	---	---	---	
0010	953+12	-	---	'EB'	LT	4	---	2	---	---	---	40	---	---	---	---	STR 26.1 & EX1.1
0010	953+12	-	956+52	'EB'	LT	4	---	1	---	340	---	---	---	---	---	---	
0010	955+98	-	961+43	'WB'	RT	4	---	---	---	---	36	---	---	---	---	512	
0010	958+44	-	962+81	'EB'	LT	4	---	1	---	---	50	---	---	---	---	392	
0010	960+51	-	963+01	'EB'	LT	4	---	1	---	---	250	---	---	---	---	---	
0010	961+48	-	962+99	'WB'	RT	4	---	1	---	150	---	---	---	---	---	---	
0010	961+48		962+94	'WB'	RT	4	---	1	---	---	5	---	---	---	---	146	
0010	962+99		963+89	'WB'	RT	4	---	1	---	---	---	---	---	---	---	91	
0010	962+99		966+50	'WB'	RT	4	---	---	---	---	350	---	---	---	---	---	
0010	963+01	-	---	'EB'	LT	4	---	2	---	---	---	41	---	---	---	---	
0010	963+97	-	966+50	'WB'	RT	4	---	1	---	---	32	---	---	---	---	223	
0010	965+74	-	966+00	'EB'	LT	4	---	---	---	---	---	---	---	---	1	27	
0010	966+00	-	967+00	'EB'	LT	4	---	---	---	---	---	---	---	---	---	101	
0010	967+00	-	967+51	'EB'	LT	4	---	---	---	---	---	---	---	---	---	52	
0010	967+00	-	968+00	'WB'	RT	4	---	---	---	---	---	---	---	---	---	101	
0010	967+51	-	969+09	'EB'	LT	4	---	---	---	---	---	---	---	---	---	159	
0010	968+00	-	968+51	'WB'	RT	4	---	---	---	---	---	---	---	---	---	52	
0010	968+51	-	970+99	'WB'	RT	4	---	---	---	---	---	---	---	---	---	249	
0010	969+09	-	970+94	'EB'	LT	4	---	---	---	---	---	---	---	---	---	186	

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REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 8-INCH) LF	204.0245.02 REMOVING STORM SEWER (SIZE) (02. 12-INCH) LF	204.0245.03 REMOVING STORM SEWER (SIZE) (03. 15-INCH) LF	204.0245.04 REMOVING STORM SEWER (SIZE) (04. 18-INCH) LF	204.0245.05 REMOVING STORM SEWER (SIZE) (05. 24-INCH) LF	204.9060.S.01 REMOVING (ITEM DESCRIPTION) (01. REMOVING COVER PLATES LEFT IN PLACE) EACH	204.9060.S.02 REMOVING (ITEM DESCRIPTION) (02. REMOVING ENDWALL) EACH	204.9090.S.01 REMOVING (ITEM DESCRIPTION) (01. DRAIN SLOTTED VANE LONGITUDINAL) LF	REMARKS
0010	970+94	-	971+50	'EB'	LT	4	---	---	---	---	56	---	---	---	---	---	
0010	970+99	-	971+51	'WB'	RT	4	---	---	---	---	---	---	---	---	---	53	
0010	971+50	-	973+00	'EB'	LT	4	---	1	---	---	151	---	---	---	---	---	
0010	971+51	-	972+50	'WB'	RT	4	---	---	---	---	---	---	---	---	---	100	
0010	972+50	-	972+97	'WB'	RT	4	---	---	---	---	48	---	---	---	---	---	
0010	972+97	-	973+50	'WB'	RT	4	---	---	---	---	53	---	---	---	---	---	
0010	973+00	-	975+00	'EB'	LT	4	---	1	---	---	---	201	---	---	---	---	
0010	973+50	-	975+00	'WB'	RT	4	---	1	---	---	151	---	---	---	---	---	
0010	975+00	-	976+75	'EB'	LT	4	---	1	---	---	---	176	---	---	---	---	
0010	975+00	-	976+75	'WB'	RT	4	---	1	---	---	---	176	---	---	---	---	
0010	976+38	-	---	'EB'	LT	4	---	1	---	---	---	---	---	---	---	---	
0010	976+75	-	---	'EB'	LT	4	---	2	---	---	---	40	---	---	---	---	
0010	979+50	-	982+10	'EB'	LT	4	---	1	---	261	---	---	---	---	---	---	
0010	979+50	-	982+10	'WB'	RT	4	---	1	---	261	---	---	---	---	---	---	
0010	982+10	-	---	'EB'	LT	4	---	1	---	---	42	---	---	---	---	---	
0010	982+64	-	---	'WB'	RT	4	---	1	---	---	---	---	---	---	---	---	
0010	987+50	-	989+51	'EB'	LT	4	---	1	---	201	---	---	---	---	---	---	
0010	987+50	-	989+51	'WB'	RT	4	---	1	---	201	---	---	---	---	---	---	
0010	989+51	-	991+13	'EB'	LT	4	---	1	---	163	---	---	---	---	---	---	
0010	989+51	-	991+13	'WB'	RT	4	---	1	---	163	---	---	---	---	---	---	
0010	991+13	-	---	'EB'	LT	4	---	2	---	---	41	---	---	---	---	---	
0010	992+51	-	993+50	'WB'	RT	4	---	1	---	107	---	---	---	---	---	---	
0010	993+50	-	995+00	'WB'	RT	4	---	1	---	---	151	---	---	---	---	---	
0010	994+00	-	994+50	'EB'	LT	4	---	---	---	---	---	---	---	---	---	51	
0010	994+50	-	995+00	'EB'	LT	4	---	---	---	---	---	---	---	---	---	52	
0010	995+00	-	995+50	'EB'	LT	4	---	---	---	---	---	---	---	---	---	51	
0010	995+00	-	997+12	'WB'	RT	4	---	1	---	---	---	212	---	---	---	---	
0010	995+50	-	995+67	'EB'	LT	4	---	---	---	---	---	---	---	---	---	18	
0010	995+67	-	996+00	'EB'	LT	4	---	---	---	---	---	---	---	---	---	33	
0010	996+00	-	997+12	'EB'	LT	4	---	---	---	---	112	---	---	---	---	---	
0010	996+00	-	997+00	'WB'	RT	4	---	---	---	---	---	---	---	---	---	101	
0010	997+00	-	1000+00	'WB'	RT	4	---	---	---	---	---	---	---	---	---	301	
0010	997+12	-	---	'EB'	LT	4	---	2	---	---	49	---	---	1	---	---	
0010	982+10	-	---	'WB'	RT	4	---	1	---	---	---	---	---	---	---	---	
0010	1000+00	-	1000+42	'WB'	RT	4	---	---	---	---	---	---	---	---	---	44	
0010	1000+42	-	1001+48	'WB'	RT	4	---	---	---	---	105	---	---	---	---	---	
0010	1000+60	-	1005+08	'EB'	LT	4	---	---	---	---	54	---	---	---	---	573	
0010	1001+48	-	1002+14	'WB'	RT	4	---	---	---	---	67	---	---	---	---	---	
0010	1002+14	-	---	'WB'	RT	4	---	1	---	---	---	---	---	---	---	---	
0010	1002+28	-	1002+36	'WB'	RT	4	---	---	---	---	---	---	8	---	---	---	
0010	1002+36	-	---	'EB'	LT	4	---	1	---	---	---	42	---	---	---	---	
0010	1002+36	-	1004+00	'EB'	LT	4	---	---	---	---	---	165	---	---	---	---	
0010	1002+36	-	1004+00	'WB'	RT	4	---	1	---	---	---	165	---	---	---	---	
0010	1004+00	-	1005+00	'EB'	LT	4	---	1	---	---	---	101	---	---	---	---	
0010	1004+00	-	1006+00	'WB'	RT	4	---	1	---	---	201	---	---	---	---	---	
0010	1004+00		100+91	'WB'	RT	4	---	---	---	---	45	---	---	---	---	548	
0010	1005+00	-	1008+00	'EB'	LT	4	---	1	---	---	301	---	---	---	---	---	
0010	1005+75	-	---	'WB'	RT	4	---	1	---	---	---	---	---	---	---	---	
0010	1006+00	-	1008+50	'WB'	RT	4	---	2	---	251	---	---	---	---	---	---	
0010	1008+00	-	1010+00	'EB'	LT	4	---	2	---	201	---	---	---	---	---	---	
0010	1008+50	-	1011+24	'WB'	RT	4	---	1	---	273	---	---	---	---	---	---	
0010	1019+12	-	---	'EB'	LT	4	---	2	---	---	---	42	---	---	---	---	
0010	1027+74	-	---	'EB'	LT	4	---	1	---	---	---	35	---	---	1	---	
						STAGE 4 SUBTOTAL	0	52	0	2,632	2,640	1,436	8	1	2	4,216	
						TOTAL 0010	1	63	58	3,003	2,740	1,847	8	1	14	4,216	

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REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 8-INCH) LF	204.0245.02 REMOVING STORM SEWER (SIZE) (02. 12-INCH) LF	204.0245.03 REMOVING STORM SEWER (SIZE) (03. 15-INCH) LF	204.0245.04 REMOVING STORM SEWER (SIZE) (04. 18-INCH) LF	204.0245.05 REMOVING STORM SEWER (SIZE) (05. 24-INCH) LF	204.9060.S.01 REMOVING (ITEM DESCRIPTION) (01. REMOVING COVER PLATES LEFT IN PLACE) EACH	204.9060.S.02 REMOVING (ITEM DESCRIPTION) (02. REMOVING ENDWALL) EACH	204.9090.S.01 REMOVING (ITEM DESCRIPTION) (01. DRAIN SLOTTED VANE LONGITUDINAL) LF	REMARKS
STAGE 2																	
0080	154+99	-	154+99	'EB82'	LT & RT	2B	---	2	---	76	---	---	---	---	---	---	
0080	158+93	-	158+93	'EB82'	LT	2B	---	2	---	9	---	---	---	---	---	---	
0080	162+31	-	162+39	'EB82'	LT	2B	---	2	---	17	---	---	---	---	---	---	
0080	158+93	-	158+93	'EB82'	LT	2D	---	---	---	74	---	---	---	---	---	---	
						STAGE 2 SUBTOTAL	0	6	0	176	0	0	0	0	0	0	
						TOTAL 0080	0	6	0	176	0	0	0	0	0	0	
						PROJECT TOTAL	1	69	58	3,179	2,740	1,847	8	1	14	4,216	

TEMPORARY LANE SHIFT DURING CULVERT WORK

CATEGORY	STATION	ALIGNMENT	LOCATION	208.1500.S TEMPORARY LANE SHIFT DURING CULVERT WORK EACH	REMARKS
0080	986+96	'A'	WB OFF RAMP	1	STAGE 2
			TOTAL 0080	1	

DIVISION	FROM/TO STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2)	205.0100 EXCAVATION COMMON (1) EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	205.0400 EXCAVATION MARSH (6)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.1100 SELECT BORROW	COMMENT
STAGE 2A - CAT 010													
EB IH 90/94	947+02.97'EB' - 1030+01.05'EB'	EB MAINLINE	12,269	0	6,146	6,123	0	25,805	32,256	-26,133	0	0	
EB OFF RAMP XOVER X3	20+25'X3' - 25+50'X3'	EB OFF RAMP XOVER	310	0	0	310	0	3	4	306	0	0	
EB OFF RAMP C	964+00'C' - 980+50'C'	EB OFF RAMP	4,984	0	249	4,735	0	3,506	4,383	353	0	0	
EB OFF RAMP XOVER X9	21+45'X9' - 23+93'X9'	EB OFF RAMP XOVER	181	0	0	181	0	45	56	125	0	0	
EB ON RAMP D	981+83'D'- 994+40'D'	EB ON RAMP	914	0	139	775	0	7,791	9,739	-8,964	0	0	
EB ON RAMP XOVER X10	33+81.517/36+90.615	EB ON RAMP XOVER	95	0	0	95	0	901	1,126	-1,031	0	0	
EB ON RAMP XOVER X5	35+70.667/47+25	EB ON RAMP XOVER	753	0	170	583	0	34	43	541	0	0	
EXISTING EB STH 82	142+36'EXEB82' - 144+17'EXEB82'	TEMP PAVT	103	0	0	103	0	0	0	103	0	0	
EXISTING WB STH 82	145+06'EXWB82' - 152+25'EXWB82	TEMP PAVT	338	0	0	338	0	0	0	338	0	0	
UNDISTRIBUTED EBS				997				0	0	0	0	997	
UNDISTRIBUTED EXCAVATION MARSH							200	0	0	0	0	200	
STAGE 2A - CAT 010 SUBTOTAL			19,947	997	6,704	13,243	200	38,085	47,606	-34,363	0	35,561	
STAGE 2B - CAT 010													
EB ON RAMP D	981+41.35'D' - 981+82.808'D'	EB ON RAMP	7	0	0	7	0	228	285	-278	0	0	
EB STH 82	138+43'EB82' - 152+70'EB82'	EB STH 82	2,970	0	0	2,970	0	165	206	2,764	0	0	
SOUTHWEST RIGHT TURN BYPASS	10+00'SWBP' - 12+51'SWBP'	SOUTHWEST RT BYPASS	1,501	0	0	1,501	0	191	239	1,262	0	0	
WEST ROUNDABOUT	10+05'WRAB' - 11+89'WRAB'	WEST ROUNDABOUT	541	0	47	494	0	102	128	367	0	0	
EAST ROUNDABOUT	12+36'ERAB' - 13+49'ERAB'	EAST ROUNDABOUT	257	0	0	257	0	388	485	-228	0	0	
WB OFF RAMP XOVER X6	23+61'X6' - 25+00'X6'	WB OFF RAMP XOVER	95	0	0	95	0	874	1,093	-998	0	0	
UNDISTRIBUTED EBS				269				0	0	0	0	269	
UNDISTRIBUTED EXCAVATION MARSH							20	0	0	0	0	20	
STAGE 2B - CAT 010 SUBTOTAL			5,371	269	47	5,324	20	1,948	2,435	2,889	2,889	289	
STAGE 2C - CAT 010													
EB IH 90/94	969+63.99/975+00	EB MAINLINE	1,379	0	635	744	0	0	0	744	0	0	
EB IH 90/94	989+00/994+40	EB MAINLINE	905	0	581	324	0	54	68	257	0	0	
WB OFF RAMP A	986+67/992+25	WB OFF RAMP	1,504	0	304	1,200	0	963	1,204	-4	0	0	
WB OFF RAMP XOVER X12	30+00.823/33+47.43	WB OFF RAMP XOVER	572	0	89	483	0	9	11	472	0	0	
EB STH 82	143+00/151+00.694	EB STH 82	366	0	8	358	0	65	81	277	0	0	
EAST ROUNDABOUT	10+00/13+87.815	EAST ROUNDABOUT	381	0	67	314	0	377	471	-157	0	0	
SOUTHEAST DITCH	20+50/21+50	SOUTHEAST DITCH	245	0	0	245	0	16	20	225	0	0	
UNDISTRIBUTED EBS				268								268	
STAGE 2C -CAT 010 SUBTOTAL			5,352	268	1,684	3,668	0	1,484	1,855	1,813	1,813	268	
STAGE 2D - CAT 010													
EB OFF RAMP C	980+50'C' - 980+75'C'	EB OFF RAMP	2	0	0	2	0	90	113	-111	0	0	
WB ON RAMP B	976+00'B' - 985+87'B'	WB ON RAMP	2,249	0	0	2,249	0	5,002	6,253	-4,004	0	0	
WB STH 82	138+41'WB82' - 152+66'WB82'	WB STH 82	3,249	0	0	3,249	0	566	708	2,542	0	0	
NORTHEAST RIGHT TURN BYPASS	10+00'NEBP' - 12+66NEBP'	NORTHEAST RT BYPASS	904	0	0	904	0	72	90	814	0	0	
WEST ROUNDABOUT	10+00'WRAB' - 13+75'WRAB'	WEST ROUNDABOUT	175	0	0	175	0	942	1,178	-1,003	0	0	
EAST ROUNDABOUT	10+71'ERAB' - 11+31'ERAB'	EAST ROUNDABOUT	168	0	0	168	0	3	4	164	0	0	
UNDISTRIBUTED EBS				337								337	
STAGE 2D - CAT 010 SUBTOTAL			6,747	337	0	6,747	0	6,675	8,344	-1,597	0	337	UTILIZE WASTE MATERIAL FROM PREVIOUS STAGES
STAGE 2E - CAT 010													
EB OFF RAMP C	969+61'C' -980+75'C'	EB OFF RAMP	4,857	0	413	4,444	0	439	549	3,895	0	0	
EB ON RAMP D	985+15'D' - 992+05'D'	EB ON RAMP	2,994	0	316	2,678	0	464	580	2,098	0	0	
WB STH 82	142+51'WB82' - 143+25'WB82'	WB STH 82	442	0	0	442	0	35	44	398	0	0	
WEST ROUNDABOUT	11+89'WRAB' - 13+13'WRAB'	WEST ROUNDABOUT	238	0	49	189	0	210	263	-74	0	0	
EAST ROUNDABOUT	10+71'ERAB' - 12+36'ERAB'	EAST ROUNDABOUT	585	0	46	539	0	57	71	468	0	0	
STAGE 2E - CAT 010 SUBTOTAL			9,116	0	824	8,292	0	1,205	1,506	6,786	6,786	0	

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DIVISION	FROM/TO STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2)	205.0100 EXCAVATION COMMON (1) EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	205.0400 EXCAVATION MARSH (6)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.1100 SELECT BORROW	COMMENT
STAGE 2F - CAT 010													
WEST ROUNDABOUT	10+00'WRAB' - 13+95.84'WRAB'	WEST ROUNDABOUT	315	0	0	315	0	1,346	1,683	-1,368	0	0	
EAST ROUNDABOUT	10+00'ERAB' - 13+95.84'ERAB'	EAST ROUNDABOUT	395	0	0	395	0	1,338	1,673	-1,278	0	0	
STAGE 2F - CAT 010 SUBTOTAL			710	0	0	710	0	2,684	3,355	-2,645	0	0	UTILIZE WASTE MATERIAL FROM PREVIOUS STAGES
STAGE 2G - CAT 010													
EB ON RAMP D	981+41'D' - 985+41'D'	EB ON RAMP	1,629	0	280	1,349	0	390	488	862	0	0	
WB OFF RAMP A	986+67'A' - 987+15'A'	WB OFF RAMP	47	0	0	47	0	33	41	6	0	0	
WB OFF RAMP XOVER X12	30+05.14'X12' - 33+47.43'X12'	WB OFF RAMP XOVER	402	0	0	402	0	12	15	387	0	0	
EB STH 82	142+50'EB82' - 148+29'EB82'	EB STH 82	550	0	69	481	0	1,072	1,340	-859	0	0	
WEST ROUNDABOUT	10+87'WRAB' - 11+62'WRAB'	WEST ROUNDABOUT	24	0	0	24	0	54	68	-44	0	0	
EAST ROUNDABOUT	12+62'ERAB' - 13+56'ERAB'	EAST ROUNDABOUT	42	0	0	42	0	46	58	-16	0	0	
STAGE 2G CAT 010 SUBTOTAL			2,694	0	349	2,345	0	1,607	2,009	336	336	0	
STAGE 3A - CAT 010													
WB IH 90/94 TRANSITION	947+75'WBT' - 948+93'WBT'	B-29-157 NORTH	195	0	114	81	0	276	345	-264	0	0	
WB IH 90/94	948+93'WB' - 955+90'WB'	WB MAINLINE B-29-157	771	0	485	286	0	4,871	6,089	-5,803	0	0	
WB IH 90/94 TRANSITION	1006+10.6/1008+81.596	B-29-157 SOUTH	504	0	0	504	0	695	869	-365	0	0	
WB IH 90/94 TRANSITION	975+50'WBT' - 982+25'WBT'	B-29-155 NORTH	743	0	648	95	0	7,284	9,105	-9,010	0	0	
WB IH 90/94	982+25'WB' - 989+53'WB'	WB MAINLINE B-29-155	489	0	461	28	0	5,280	6,600	-6,572	0	0	
WB IH 90/94 TRANSITION	989+53'WBT' - 992+24'WBT'	B-29-155 SOUTH	532	0	260	272	0	105	131	141	0	0	
WB IH 90/94 TRANSITION	1006+10'WBT' - 1008+82'WBT'	B-29-153 NORTH	484	0	260	224	0	165	206	18	0	0	
WB IH 90/94	1008+82'WB' - 1017+17'WB'	WB MAINLINE B-29-153	1,094	0	545	549	0	3,120	3,900	-3,351	0	0	
WB IH 90/94 TRANSITION	1017+17'WBT' - 1021+53'WBT'	B-29-153 SOUTH	568	0	419	149	0	681	851	-702	0	0	
CTH G	21+19'G' - 23+00'G'	CTH G	783	0	0	783	0	584	730	53	53	0	
UNDISTRIBUTED EBS				308								308	
WASTE MATERIAL FROM PREVIOUS STAGES										17,977			UTILIZE WASTE MATERIAL FROM PREVIOUS STAGES
STAGE 3A - CAT 010 SUBTOTAL			6,163	308	3,192	2,971	0	23,061	28,826	-7,878	53	8,186	
STAGE 3B - CAT 010													
WB IH 90/94	944+01.9'WB' - 1029+89.38'WB'	WB MAINLINE	13,558	0	4,471	9,087	0	4,471	5,589	3,498	0	0	
WB ON RAMP XOVER X7	20+34'X7' - 31+89'X7'	WB ON RAMP XOVER	510	0	0	510	0	26	33	478	0	0	
WB ON RAMP B	971+00'B' - 976+00'B'	WB ON RAMP	3,013	0	136	2,877	0	123	154	2,723	0	0	
WB OFF RAMP A	992+00'A' - 1000+00'A'	WB OFF RAMP	1,661	0	71	1,590	0	1,757	2,196	-606	0	0	
WB OFF RAMP XOVER X8	37+00'X8' - 43+78.962'X8'	WB OFF RAMP XOVER	487	0	0	487	0	3	4	483	0	0	
UNDISTRIBUTED EBS				961						0		961	
STAGE 3B - CAT 010 SUBTOTAL			19,229	961	4,678	14,551	0	6,380	7,975	6,576	6,576	961	
STAGE 3C - CAT 010													
WB IH 90/94	967+00'WB' - 982+25'WB'	WB MAINLINE	2,646	0	771	1,875	0	652	815	1,060	0	0	
WB ON RAMP B	973+02.914/985+86.598	WB ON RAMP	8,074	0	433	7,641	0	389	486	7,155	0	0	
WB IH 90/94	986+25'WB' - 1003+00'WB'	WB MAINLINE	3,748	0	1,118	2,630	0	86	108	2,523	0	0	
WB OFF RAMP A	987+00'A' - 992+00'A'	WB OFF RAMP	1,531	0	0	1,531	0	2	3	1,529	0	0	
UNDISTRIBUTED EBS				800						0		800	
STAGE 3C - CAT 010 SUBTOTAL			15,999	800	2,322	13,677	0	1,129	1,411	12,266	12,266	800	
STAGE 4 - CAT 010													
IH 90/94 MEDIAN	935+36'EB' - 1036+31'EB'	MAINLINE MEDIAN	30,745	0	0	30,745	0	2,272	2,840	27,905	0	0	
STAGE 4 - CAT 010 SUBTOTAL			30,745	0	0	30,745	0	2,272	2,840	27,905	27,905	0	
CATEGORY 0010			122,073	3,940	19,800	102,273	220	86,530	108,163		58,624	46,402	
CATEGORY 0010 TOTAL COMMON EX			126,013										

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DIVISION	FROM/TO STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2)	205.0100 EXCAVATION COMMON (1) EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	205.0400 EXCAVATION MARSH (6)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.1100 SELECT BORROW	COMMENT
STAGE 2A - CAT 080													
EXISTING EB STH 82	130+24'EXEB82' - 136+97'EXEB82'	TEMP PAVT	481	0	0	481	0	0	0	481	0	0	
UNDISTRIBUTED EBS				24	0	0		0	0	0	0	24	
STAGE 2A - CAT 080 SUBTOTAL			481	24	0	481	0	0	0	481	481	24	
STAGE 2B - CAT 080													
EB STH 82	132+96'EB82' - 138+43'EB82'	EB STH 82	2,160	0	0	2,160	0	2	3	2,158	0	0	
EB STH 82	152+70'EB82' - 162+35'EB82'	EB STH 82	2,290	0	0	2,290	0	0	0	2,290	0	0	
UNDISTRIBUTED EBS				223	0	0		0	0	0	0	223	
STAGE 2B - CAT 080 SUBTOTAL			4,450	223	0	4,450	0	2	3	4,448	4,448	223	
STAGE 2D - CAT 080													
WB STH 82	131+85'WB82' - 138+41'WB82'	WB STH 82	2,452	0	0	2,452	0	0	0	2,452	0	0	
WB STH 82	152+66'WB82' - 162+30'WB82'	WB STH 82	2,410	0	0	2,410	0	7	9	2,401	0	0	
COMMERICAL ST	5+24'CS' - 6+05'CS'	COMMERICAL ST	402	0	0	402	0	4	5	397	0	0	
UNDISTRIBUTED EBS				263		0			0	0		263	
STAGE 2D - CAT 080 SUBTOTAL			5,264	263	0	5,264	0	11	14	5,250	5,250	263	
STAGE 2F - CAT 080													
EB STH 82	131+84'EB82' - 133+00'EB82'	EB STH 82	226	0	0	226	0	8	10	216	0	0	
UNDISTRIBUTED EBS				11	0	0		0	0	0	0	11	
STAGE 2F - CAT 080 SUBTOTAL			226	11	0	226	0	8	10	216	216	11	
CATEGORY 0080			10,421	521	0	10,421	0	21	26	10,395	10,395	521	
CATEGORY 0080 TOTAL COMMON EXC			10,942										
GRAND TOTAL			132,494	4,461	19,800	112,694	220	86,551	108,189		69,019	46,923	
TOTAL COMMON EXC			136,955										

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH CUT AS WELL.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(6) MARSH EXCAVATION - TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH CUT AS WELL. ITEM NUMBER 205.0500

(13) EXPANDED FILL FACTOR = 1.25

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

BASE AGGREGATE DENSE ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL	REMARKS
STAGE 2										
0010	947+02	-	951+25	'EB'	MAINLINE	2A	38	---	1.0	
0010	947+02	-	948+02	'EB'	MAINLINE	2A	---	222	3.4	CULVERT PIPE REPLACEMENT
0010	952+78	-	969+62	'EB'	MAINLINE	2A	271	3,948	64.0	
0010	20+00	-	26+50	'X3'	EB OFF RAMP XOVER	2A	---	457	7.0	
0010	964+00	-	978+39	'C'	EB OFF RAMP	2A	264	3,131	51.0	
0010	978+39	-	980+49	'C'	EB OFF RAMP	2A	39	351	5.7	
0010	20+00	-	23+93	'X9'	EB OFF RAMP XOVER	2A	25	314	5.0	
0010	975+00	-	981+92	'EB'	MAINLINE	2A	136	1,820	30.0	
0010	984+89	-	989+00	'EB'	MAINLINE	2A	84	1,198	20.0	
0010	981+82	-	994+40	'D'	EB ON RAMP	2A	367	2,955	50.0	
0010	33+97	-	38+05	'X10'	EB ON RAMP XOVER	2A	45	538	9.0	
0010	994+40	-	1011+83	'EB'	MAINLINE	2A	356	4,441	72.0	
0010	20+00	-	26+88	'X5'	EB ON RAMP XOVER	2A	0	826	13.0	
0010	1014+74	-	1030+01	'EB'	MAINLINE	2A	295	4,173	68.0	
0010	142+40	-	143+13	'EXEB82'	LT	2A	---	100	1.4	
0010	143+69	-	144+16	'EXEB82'	LT	2A	---	48	0.7	
0010	145+06	-	148+55	'EXWB82'	RT	2A	---	285	4.0	
0010	149+05	-	150+78	'EXWB82'	RT	2A	---	209	3.0	
0010	81+46	-	81+94	'EXC'	LT & RT	2A	---	50	0.7	
0010	85+91	-	86+15	'EXA'	LT & RT	2A	---	31	0.5	
0010	138+43	-	140+76	'EB82'	RT	2B	---	222	3.3	
0010	10+00	-	12+51	'SWBY'	RT	2B	83	557	9.1	
0010	981+41	-	981+83	'D'	LT	2B	---	50	0.8	
0010	10+05	-	11+89	'WRAB'	RT	2B	---	857	12.2	
0010	142+50	-	142+98	'EB82'	RT	2B	---	430	6.1	
0010	143+57	-	148+29	'EB82'	RT	2B	126	1,292	20.1	
0010	12+36	-	13+49	'ERAB'	RT	2B	---	749	10.6	
0010	150+34	-	152+70	'EB82'	RT	2B	12	350	5.2	
0010	23+61	-	25+00	'X6'	RT	2B	36	301	6.0	
0010	969+62	-	975+00	'EB'	MAINLINE	2C	65	1,247	20.0	
0010	989+00	-	994+40	'EB'	MAINLINE	2C	44	1,053	17.0	
0010	986+67	-	989+02	'A'	WB OFF RAMP	2C	37	550	8.5	
0010	989+02	-	992+00	'A'	WB OFF RAMP	2C	50	486	9.0	
0010	142+98	-	143+57	'EB82'	RT	2C	---	141	2.0	
0010	150+08	-	150+34	'EB82'	RT	2C	---	23	0.4	
0010	150+02	-	151+15	'WB82'	LT	2C	---	207	3.0	
0010	13+48	-	10+71	'ERAB'	RT	2C	46	526	8.2	
0010	10+00	-	12+04	'ERSE'	RT	2C	---	173	2.5	
0010	976+00	-	985+45	'B'	WB ON RAMP	2D	204	1,955	33.0	
0010	138+41	-	140+73	'WB82'	LT	2D	57	495	8.2	
0010	143+16	-	148+30	'WB82'	LT	2D	317	639	13.6	
0010	150+02	-	152+66	'WB82'	LT	2D	48	297	5.1	
0010	980+49	-	980+75	'C'	LT	2D	---	31	0.6	
0010	11+89	-	10+04	'WRAB'	LT & RT	2D	69	712	11.7	
0010	10+00	-	12+66	'NEBP"	LT	2D	88	278	5.5	
0010	985+45	-	985+87	'B'	RT	2D	---	66	1.1	
0010	10+71	-	11+27	'ERAB'	RT	2D	---	172	2.5	
0010	969+61	-	978+39	'C'	EB OFF RAMP	2E	106	202	5.0	
0010	981+82	-	994+40	'D'	EB ON RAMP	2E	62	123	3.0	
0010	142+51	-	143+16	'WB82'	LT	2E	94	173	4.0	
0010	12+08	-	12+35	'WRAB'	RT	2E	---	13	0.2	
0010	10+71	-	12+36	'ERAB'	RT	2E	38	374	6.0	
0010	11+14	-	12+36	'SWBY'	MEDIAN	2F	47	---	0.7	

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BASE AGGREGATE DENSE ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL	REMARKS
0010	10+93	-	12+04	'ERSE'	TERRACE	2F	---	18	0.3	
0010	11+71	-	20+61	'E82R'	PATH	2G	242	6	3.5	
0010	140+59	-	140+76	'EB82'	MEDIAN	2G	13	---	0.2	
0010	147+76	-	148+29	'EB82'	MEDIAN	2G	21	---	0.3	
0010	---	-	---	---	UNDISTRIBUTED	2	383	1,994	23.8	
						STAGE 2 SUBTOTAL	4,208	41,859	681.7	
STAGE 3										
0010	947+73	-	948+93	'WBT'	WB TRANSITION	3A	19	411	7.0	B-29-157 NORTH
0010	948+93	-	951+43	'WB'	MAINLINE	3A	39	730	12.0	
0010	953+38	-	955+90	'WB'	MAINLINE	3A	44	672	11.0	
0010	955+90	-	959+43	'WBT'	WB TRANSITION	3A	56	772	13.0	B-29-157 SOUTH
0010	975+50	-	982+25	'WBT'	WB TRANSITION	3A	77	2,082	33.0	B-29-155 NORTH
0010	982+25	-	982+84	'WB'	MAINLINE	3A	11	176	3.0	
0010	985+57	-	991+00	'WB'	MAINLINE	3A	74	1,129	19.0	
0010	989+53	-	992+24	'WBT'	WB TRANSITION	3A	22	775	12.0	B-29-155 SOUTH
0010	1006+11	-	1008+82	'WBT'	WB TRANSITION	3A	36	821	13.0	B-29-153 NORTH
0010	1008+82	-	1012+15	'WB'	MAINLINE	3A	60	1,020	17.0	
0010	1014+80	-	1017+17	'WB'	MAINLINE	3A	43	694	12.0	
0010	1017+17	-	1021+53	'WBT'	WB TRANSITION	3A	45	1,323	21.0	B-29-153 SOUTH
0010	21+38	-	22+75	'G'	CTH G	3A	0	370	6.0	
0010	944+01	-	948+93	'WB'	MAINLINE	3B	84	1,171	19.0	
0010	955+90	-	971+00	'WB'	MAINLINE	3B	287	4,092	66.0	
0010	20+44	-	31+89	'X7'	WB ON RAMP XOVER	3B	---	807	13.0	
0010	971+00	-	976+00	'B'	WB ON RAMP	3B	141	1,146	20.0	
0010	992+00	-	1000+00	'A'	WB OFF RAMP	3B	179	1,540	26.0	
0010	997+20	-	1008+82	'WB'	MAINLINE	3B	157	2,547	41.0	
0010	34+00	-	43+56	'X8'	WB OFF RAMP XOVER	3B	0	705	11.0	
0010	1017+17	-	1029+90	'WB'	MAINLINE	3B	272	3,618	59.0	
0010	967+00	-	982+25	'WB'	MAINLINE	3C	133	2,930	46.0	
0010	973+02	-	985+87	'B'	WB ON RAMP	3C	91	356	7.0	
0010	989+97	-	1003+00	'WB'	MAINLINE	3C	110	2,369	38.0	
0010	987+00	-	992+00	'A'	WB OFF RAMP	3C	32	141	3.0	
0010	---	-	---	---	UNDISTRIBUTED	3	202	1,620	53.0	
						STAGE 3 SUBTOTAL	2,214	34,017	581.0	
STAGE 4										
0010	935+36	-	951+21	'EB'	MAINLINE	4	324	954	20.0	
0010	935+36	-	944+01	'WB'	MAINLINE	4	188	361	9.0	
0010	944+01	-	951+28	'WB'	MAINLINE	4	154	284	7.0	
0010	952+78	-	982+25	'EB'	MAINLINE	4	589	2,593	48.0	
0010	953+27	-	982+68	'WB'	MAINLINE	4	590	2,720	50.0	
0010	984+89	-	1011+83	'EB'	MAINLINE	4	490	2,218	41.0	
0010	985+19	-	1012+15	'WB'	MAINLINE	4	583	2,042	40.0	
0010	1014+74	-	1030+01	'EB'	MAINLINE	4	291	1,077	21.0	
0010	1014+94	-	1029+90	'WB'	MAINLINE	4	284	1,393	26.0	
0010	1014+74	-	1030+01	'EB'	MAINLINE	4	128	281	7.0	
0010	1014+94	-	1029+90	'WB'	MAINLINE	4	88	221	5.0	
0010	---	-	---	---	UNDISTRIBUTED	4	371	708	10.8	
						STAGE 4 SUBTOTAL	4,080	14,852	284.8	
						TOTAL 0010	10,502	90,728	1,547.5	

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BASE AGGREGATE DENSE ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL	REMARKS
STAGE 2										
0080	130+24	-	136+97	'EXEB82'	LT	2A	---	951	13.4	
0080	5+22	-	5+60	'C'	LT	2A	---	36	0.6	
0080	132+96	-	138+44	'EB82'	RT	2B	---	1,002	14.2	
0080	152+70	-	159+22	'EB82'	LT & RT	2B	24	1,189	16.9	
0080	159+22	-	162+34	'EB82'	LT	2B	---	66	1.0	
0080	131+85	-	138+41	'WB82'	LT	2D	209	1,662	26.5	
0080	152+66	-	157+49	'WB82'	LT & RT	2D	138	871	14.7	
0080	157+49	-	159+18	'WB82'	LT & RT	2D	---	600	7.9	
0080	159+22	-	162+38	'EB82'	MEDIAN	2D	70	294	5.2	
0080	152+66	-	157+49	"WB82'	LT & RT	2E	---	67	1.0	
0080	131+84	-	132+96	'EB82'	RT	2F	218	188	5.9	
0080	---	-	---	---	UNDISTRIBUTED	2	66	347	4.1	
						STAGE 2 SUBTOTAL	725	7,273	111.4	
						TOTAL 0080	725	7,273	111.4	
						PROJECT TOTAL	11,227	98,001	1,658.9	

BASE PATCHING

CATEGORY	LOCATION	390.0203 BASE PATCHING ASPHALTIC SY	REMARKS
0010	UNDISTRIBUTED	2,656	TEMPORARY ROAD
	TOTAL 0010	2,656	

CONCRETE PAVEMENT ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	405.0100 COLORING CONCRETE WISDOT RED CY	415.0115 CONCRETE PAVEMENT 11 1/2-INCH SY	415.0125 CONCRETE PAVEMENT 12 1/2-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	415.1115 CONCRETE PAVEMENT HES 11 1/2-INCH SY	415.1125 CONCRETE PAVEMENT HES 12 1/2-INCH SY	416.0512 CONCRETE TRUCK APRON 12-INCH SY	416.0620 DRILLED DOWEL BARS EACH	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	REMARKS
STAGE 2																
0010	947+02	-	948+02	'EB'	MAINLINE	2A	---	---	289	---	---	---	---	36	100	CULVERT PIPE REPLACEMENT
0010	952+78	-	969+62	'EB'	MAINLINE	2A	---	---	5,475	1	---	---	---	---	1,684	
0010	964+00	-	969+61	'C'	EB OFF RAMP	2A	---	---	1,530	---	---	---	---	---	561	
0010	969+60	-	978+39	'C'	EB OFF RAMP	2A	---	1,468	---	1	---	---	---	---	879	
0010	978+39	-	980+49	'C'	EB OFF RAMP	2A	---	370	---	---	---	---	---	---	---	
0010	975+00	-	981+89	'EB'	MAINLINE	2A	---	---	1,991	---	---	---	---	---	689	
0010	984+89	-	989+00	'EB'	MAINLINE	2A	---	---	1,332	1	---	---	---	---	411	
0010	981+82	-	992+05	'D'	EB ON RAMP	2A	---	2,143	---	1	---	---	---	---	1,023	
0010	992+05	-	994+40	'D'	EB ON RAMP	2A	---	---	660	---	---	---	---	---	235	
0010	994+40	-	1011+84	'EB'	MAINLINE	2A	---	---	6,082	---	---	---	---	---	1,744	
0010	1014+74	-	1030+01	'EB'	MAINLINE	2A	---	---	4,420	---	---	---	---	18	1,527	
0010	138+43	-	140+76	'EB82'	RT	2B	---	424	---	---	---	---	---	---	---	
0010	10+00	-	12+51	'SWBY'	RT	2B	---	491	---	---	---	---	---	---	---	
0010	981+41	-	981+83	'D'	LT	2B	---	110	---	---	---	---	---	---	---	
0010	10+05	-	11+89	'WRAB'	RT	2B	---	725	---	---	---	---	---	---	---	
0010	142+50	-	142+98	'EB82'	RT	2B	---	96	---	---	---	---	---	---	---	
0010	143+57	-	148+29	'EB82'	RT	2B	---	838	---	---	---	---	---	---	---	
0010	12+36	-	13+49	'ERAB'	RT	2B	---	330	---	---	---	---	---	---	---	
0010	150+34	-	152+70	'EB82'	LT & RT	2B	---	808	---	---	---	---	---	---	---	
0010	12+18	-	12+62	'SWBR'	RT	2B	5	---	---	---	---	---	14	---	---	RAMP D SW QUAD OVERTRACKING PAD
0010	969+62	-	975+00	'EB'	MAINLINE	2C	---	---	1,553	---	---	---	---	---	538	
0010	989+00	-	994+40	'EB'	MAINLINE	2C	---	---	1,507	---	---	---	---	---	540	
0010	986+67	-	989+02	'A'	WB OFF RAMP	2C	---	427	---	---	---	---	---	---	---	
0010	989+02	-	992+00	'A'	WB OFF RAMP	2C	---	498	---	1	---	---	---	---	298	
0010	142+98	-	143+57	'EB82'	RT	2C	---	103	---	---	---	---	---	---	---	
0010	150+08	-	150+34	'EB82'	RT	2C	---	69	---	---	---	---	---	---	---	
0010	150+02	-	151+15	'WB82'	LT	2C	---	51	---	---	---	---	---	---	---	
0010	13+48	-	10+71	'ERAB'	RT	2C	---	420	---	---	---	---	---	---	---	
0010	10+00	-	12+04	'ERSE'	RT	2C	45	---	---	---	---	---	146	---	---	RAMP A SE QUAD OVERTRACKING PAD
0010	976+00	-	985+45	'B'	WB ON RAMP	2D	---	1,639	---	1	---	---	---	---	945	
0010	985+45	-	985+87	'B'	RT	2D	---	122	---	---	---	---	---	---	---	
0010	985+45	-	985+87	'B'	RT	2D	6	---	---	---	---	---	21	---	---	RAMP B NW QUAD OVERTRACKING PAD
0010	138+41	-	140+73	'WB82'	LT	2D	---	597	---	---	---	---	---	---	---	
0010	143+16	-	148+30	'WB82'	LT	2D	---	934	---	---	---	---	---	---	---	
0010	150+02	-	152+66	'WB82'	LT	2D	---	453	---	---	---	---	---	---	---	
0010	980+49	-	980+75	'C'	LT	2D	---	53	---	---	---	---	---	---	---	
0010	11+89	-	10+04	'WRAB'	LT & RT	2D	123	656	---	---	---	---	369	---	---	
0010	10+00	-	12+66	'NEBP"	LT	2D	---	454	---	---	---	---	---	---	---	
0010	10+71	-	11+27	'ERAB'	RT	2D	---	312	---	---	---	---	---	---	---	
0010	11+04	-	13+17	'WRNW'	LT	2D	41	---	---	---	---	---	133	---	---	RAMP C NW QUAD OVERTRACKING PAD
0010	10+00	-	11+19	'NEBL'	LT	2D	20	---	---	---	---	---	65	---	---	RAMP B NE QUAD OVERTRACKING PAD
0010	10+39	-	11+04	'NESS'	LT	2D	8	---	---	---	---	---	30	---	---	EAST RAB WB ENTRY OVERTRACKING PAD
0010	142+51	-	143+16	'WB82'	LT	2E	---	114	---	---	---	---	---	---	---	
0010	12+08	-	12+35	'WRAB'	RT	2E	---	38	---	---	---	---	---	---	---	
0010	10+71	-	12+36	'ERAB'	RT	2E	108	348	---	---	---	---	323	---	---	
0010	10+22	-	11+07	'W82L'	LT	2E	12	---	---	---	---	---	35	---	---	WEST RAB WB ENTRY OVERTRACKING PAD
0010	11+49	-	12+74	'SWSN'	RT	2F	36	---	---	---	---	---	121	---	---	WEST RAB EB ENTRY OVERTRACKING PAD
0010	10+05	-	11+89	'WRAB'	LT	2F	112	---	---	---	---	---	336	---	---	
0010	12+36	-	10+71	'ERAB'	LT	2F	147	---	---	---	---	---	440	---	---	
0010	981+41	-	981+83	'D'	LT	2G	7	---	---	---	---	---	26	---	---	RAMP D SE QUAD OVERTRACKING PAD
0010	18+39	-	19+21	'E82R'	RT	2G	9	---	---	---	---	---	27	---	---	EAST RAB EB ENTRY OVERTRACKING PAD
0010	10+15	-	10+39	'NESS'	LT	2G	4	---	---	---	---	---	10	---	---	EAST RAB WB ENTRY OVERTRACKING PAD
0010	UNDISTRIBUTED						---	---	---	---	---	2,484	---	---	---	
						STAGE 2 SUBTOTAL	647	15,091	24,839	6	0	2,484	2,096	54	11,174	

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CONCRETE PAVEMENT ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	405.0100 COLORING CONCRETE WISDOT RED CY	415.0115 CONCRETE PAVEMENT 11 1/2-INCH SY	415.0125 CONCRETE PAVEMENT 12 1/2-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	415.1115 CONCRETE PAVEMENT HES 11 1/2-INCH SY	415.1125 CONCRETE PAVEMENT HES 12 1/2-INCH SY	416.0512 CONCRETE TRUCK APRON 12-INCH SY	416.0620 DRILLED DOWEL BARS EACH	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	REMARKS
STAGE 3																
0010	948+93	-	951+28	'WB'	MAINLINE	3A	---	---	1,024	---	---	---	---	---	235	B-29-157 NORTH
0010	953+79	-	955+90	'WB'	MAINLINE	3A	---	---	848	---	---	---	---	---	211	B-29-157 SOUTH
0010	982+25	-	982+68	'WB'	MAINLINE	3A	---	---	126	---	---	---	---	---	43	B-29-155 NORTH
0010	985+66	-	989+53	'WB'	MAINLINE	3A	---	---	1,224	---	---	---	---	---	387	B-29-155 SOUTH
0010	1008+82	-	1012+04	'WB'	MAINLINE	3A	---	---	1,059	---	---	---	---	---	322	B-29-153 NORTH
0010	1014+94	-	1017+17	'WB'	MAINLINE	3A	---	---	646	---	---	---	---	---	223	B-29-153 SOUTH
0010	944+01	-	948+93	'WB'	MAINLINE	3B	---	---	1,724	---	---	---	---	18	492	
0010	955+90	-	971+00	'WB'	MAINLINE	3B	---	---	5,810	1	---	---	---	---	1,510	
0010	971+00	-	973+03	'B'	WB ON RAMP	3B	---	---	566	---	---	---	---	---	203	
0010	973+03	-	976+00	'B'	WB ON RAMP	3B	---	498	---	---	---	---	---	---	297	
0010	992+00	-	995+80	'A'	WB OFF RAMP	3B	---	634	---	---	---	---	---	---	380	
0010	995+80	-	1000+00	'A'	WB OFF RAMP	3B	---	---	1,084	---	---	---	---	---	420	
0010	997+20	-	1008+82	'WB'	MAINLINE	3B	---	---	3,759	1	---	---	---	---	1,162	
0010	1017+17	-	1029+90	'WB'	MAINLINE	3B	---	---	3,668	---	---	---	---	18	1,273	
0010	971+00	-	982+25	'WB'	MAINLINE	3C	---	---	3,537	---	---	---	---	---	1,125	
0010	989+53	-	999+22	'WB'	MAINLINE	3C	---	---	2,454	---	---	---	---	---	969	
0010	UNDISTRIBUTED						---	---	---	---	---	2,753	---	---	---	
						STAGE 3 SUBTOTAL	0	1,132	27,529	2	0	2,753	0	36	9,252	
						TOTAL 0010	647	16,223	52,368	8	0	5,237	2,096	90	20,426	
STAGE 2																
0080	132+96	-	138+43	'EB82'	RT	2B	---	1,952	---	---	---	---	---	---	547	
0080	152+70	-	159+22	'EB82'	LT & RT	2B	---	2,695	---	1	552	---	---	---	652	
0080	131+85	-	138+41	'WB82'	LT	2D	---	1,926	---	---	---	---	---	35	605	
0080	152+66	-	159+18	'WB82'	LT & RT	2D	---	1,399	---	1	1,459	---	---	52	652	
0080	153+93	-	154+44	'WB82'	LT & RT	2E		202							51	
0080	131+84	-	132+96	'EB82'	RT	2F	---	349	---	---	---	---	---	24	112	
						STAGE 2 SUBTOTAL	0	8,523	0	2	2,011	0	0	111	2,619	
						TOTAL 0080	0	8,523	0	2	2,011	0	0	111	2,619	
						PROJECT TOTAL	647	24,746	52,368	10	2,011	5,237	2,096	201	23,045	

CONCRETE PAVEMENT APPROACH SLAB

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	REMARKS
STAGE 2A							
0010	952+37	-	952+78	'EB'	MAINLINE	97	B-29-036
0010	981+89	-	982+39	'EB'	MAINLINE	146	B-29-154
0010	984+56	-	984+89	'EB'	MAINLINE	105	B-29-154
0010	1011+83	-	1012+04	'EB'	MAINLINE	106	B-29-152
0010	1014+54	-	1014+74	'EB'	MAINLINE	102	B-29-152
					STAGE 2A SUBTOTAL	556	
STAGE 3A							
0010	951+28	-	951+71	'WB'	MAINLINE	139	B-29-157
0010	953+36	-	953+79	'WB'	MAINLINE	152	B-29-157
0010	982+68	-	983+02	'WB'	MAINLINE	111	B-29-155
0010	985+32	-	985+66	'WB'	MAINLINE	122	B-29-155
0010	1012+04	-	1012+24	'WB'	MAINLINE	95	B-29-153
0010	1014+74	-	1014+94	'WB'	MAINLINE	114	B-29-153
					STAGE 3A SUBTOTAL	733	
					TOTAL 0010	1,289	

ROUT AND SEAL

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	415.6000.S ROUT AND SEAL LF
STAGE 2						
0010	952+43	-	982+25	'EB'	LT & RT	6,679
0010	969+60	-	978+39	'C'	LT & RT	1,761
0010	976+00	-	985+45	'B'	LT & RT	1,883
0010	981+82	-	994+40	'D'	LT & RT	2,041
0010	984+56	-	1012+04	'EB'	LT & RT	5,950
0010	989+01	-	992+00	'A'	LT & RT	598
0010	1014+54	-	1030+01	'EB'	LT & RT	3,095
					STAGE 2 SUBTOTAL	22,007
STAGE 3						
0010	944+01	-	951+71	'WB'	LT & RT	1,511
0010	953+36	-	983+02	'WB'	LT & RT	6,301
0010	973+02	-	976+00	'B'	LT & RT	598
0010	985+32	-	1012+24	'WB'	LT & RT	5,811
0010	992+00	-	995+95	'A'	LT & RT	790
0010	1014+74	-	1029+90	'WB'	LT & RT	3,021
					STAGE 3 SUBTOTAL	18,032
					TOTAL 0010	40,039

RUMBLE STRIPS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	416.1110 CONCRETE SHOULDER RUMBLE STRIPS LF	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF
STAGE 2							
0010	947+02	-	951+02	'EB'	RT	---	399
0010	952+44	-	963+00	'EB'	RT	1,056	---
0010	969+63	-	982+07	'EB'	RT	1,243	---
0010	984+59	-	992+02	'EB'	RT	743	---
0010	991+40	-	1011+98	'EB'	RT	2,058	---
0010	1014+56	-	1030+01	'EB'	RT	1,550	---
					STAGE 2 SUBTOTAL	6,650	399
STAGE 3							
0010	944+01	-	951+68	'WB'	LT	767	---
0010	953+64	-	974+00	'WB'	LT	2,040	---
0010	973+05	-	982+99	'WB'	LT	994	---
0010	985+51	-	995+94	'WB'	LT	1,042	---
0010	1001+00	-	1012+22	'WB'	LT	1,122	---
0010	1014+80	-	1029+90	'WB'	LT	1,504	---
					STAGE 3 SUBTOTAL	7,469	0
STAGE 4							
0010	944+01	-	951+41	'WB'	RT	---	739
0010	947+02	-	951+21	'EB'	LT	---	419
0010	952+63	-	982+24	'EB'	LT	---	2,961
0010	953+37	-	982+82	'WB'	RT	---	2,944
0010	984+76	-	1012+02	'EB'	LT	---	2,726
0010	985+34	-	1012+17	'WB'	RT	---	2,683
0010	1014+60	-	1030+01	'EB'	LT	---	1,540
0010	1014+75	-	1029+90	'WB'	RT	---	1,514
					STAGE 4 SUBTOTAL	0	15,526
					TOTAL 0010	14,119	15,925

MATERIAL TRANSFER VEHICLE

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	460.0115.S HMA PAVEMENT TEST STRIPS VOLUMETRICS EACH	460.0120.S HMA PAVEMENT TEST STRIPS DENSITY EACH	460.9000.S MATERIAL TRANSFER VEHICLE EACH
0010	947+02	-	951+25	'EB'	UPPER LAYER	1	1	1
					TOTAL 0010	1	1	1

CONCRETE SURFACE DRAINS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	416.1010 CONCRETE SURFACE DRAINS CY	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH EACH	530.0112 CULVERT PIPE CORRUGATED POLYETHYLENE 12-INCH LF	601.0588 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT LF	611.0654 INLET COVERS TYPE V EACH	611.3220 INLETS 2X2-FT EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	REMARKS	INLET ELEVATION	DISCHARGE ELEVATION	ELBOWS REQ'D
STAGE 2																
0010	984+49	-	985+09	'EB'	RT	---	1	60	59	1	1	2	B-29-154	883.32	866.23	2
0010	984+87	-	985+47	'EB'	LT	3	---	---	51	---	---	---	FLUME, B-29-154	---	---	---
0010	1011+38	-	1011+51	'EB	RT	---	1	36	59	1	1	2	B-29-152	886.75	858.69	2
0010	1011+48	-	1012+07	'EB	LT	2	---	---	51	---	---	---	FLUME, B-29-152	---	---	---
					STAGE 2 SUBTOTAL	5	2	96	220	2	2	4				
STAGE 3																
0010	950+75	-	951+34	'WB'	RT	3	---	---	51	---	---	---	FLUME, B-29-157	---	---	---
0010	951+18	-	951+77	'WB'	LT	---	1	51	59	1	1	2	B-29-157	898.21	885.03	2
0010	985+19	-	985+78	'WB'	RT	2	---	---	51	---	---	---	FLUME, B-29-155	---	---	---
0010	985+57	-	986+03	'WB'	LT	---	1	68	59	1	1	2	B-29-155	883.10	863.84	2
0010	1011+56	-	1012+25	'WB'	LT	2	---	---	51	---	---	---	FLUME, B-29-153	---	---	---
0010	1011+99	-	1012+15	'WB	RT	---	1	28	59	1	1	2	B-29-153	867.13	863.01	2
					STAGE 3 SUBTOTAL	7	3	147	330	3	3	6				
					TOTAL 0010	12	5	243	550	5	5	10				

HMA PAVEMENT ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	THICKNESS (IN)	STAGE	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	460.7423 HMA PAVEMENT 3 HT 58-28 H TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	460.8624 HMA PAVEMENT 4 SMA 58-28 V TON	REMARKS
STAGE 2																		
0010	947+02	-	951+25	'EB'	LOWER LAYER	1.75	2A	---	---	---	---	---	---	---	---	180	---	
0010	947+02	-	951+25	'EB'	UPPER LAYER	1.75	2A	---	---	92	---	---	---	---	---	---	180	
0010	952+59	-	964+00	'EB'	RT SHLD	5.00	2A	---	---	---	---	---	---	310	---	---	---	
0010	975+00	-	982+08	'EB'	RT	5.00	2A	---	---	---	---	---	---	564	---	---	---	
0010	20+00	-	26+50	'X3'	LOWER LAYER	3.50	2A	---	---	---	---	---	---	---	138	---	---	EB OFF RAMP XOVER
0010	20+00	-	26+50	'X3'	UPPER LAYER	2.50	2A	---	---	36	---	---	---	---	99	---	---	EB OFF RAMP XOVER
0010	964+00	-	969+61	'C'	RT	5.00	2A	---	---	---	---	---	---	142	---	---	---	
0010	969+61	-	978+39	'C'	RT	3.50	2A	---	---	---	155	---	---	---	---	---	---	
0010	969+61	-	976+75	'C'	LT	3.50	2A	---	---	---	63	---	---	---	---	---	---	
0010	978+39	-	979+83	'C'	RT	3.50	2A	---	---	---	26	---	---	---	---	---	---	
0010	20+00	-	23+93	'X9'	LOWER LAYER	3.50	2A	---	---	---	---	---	---	---	89	---	---	EB OFF RAMP TEMP XOVER
0010	20+00	-	23+93	'X9'	UPPER LAYER	2.50	2A	---	---	23	---	---	---	---	64	---	---	EB OFF RAMP TEMP XOVER
0010	975+00	-	981+89	'EB'	RT	5.00	2A	---	---	---	---	---	---	217	---	---	---	
0010	985+09	-	989+00	'EB'	RT	5.00	2A	---	---	---	---	---	---	123	---	---	---	
0010	981+82	-	992+05	'D'	RT	3.50	2A	---	---	---	180	---	---	---	---	---	---	
0010	992+05	-	994+40	'D'	RT	5.00	2A	---	---	---	---	---	---	59	---	---	---	
0010	981+82	-	986+66	'D'	LT	3.50	2A	---	---	---	51	---	---	---	---	---	---	
0010	33+82	-	38+00	'X10'	LOWER LAYER	3.50	2A	---	---	---	---	---	---	---	111	---	---	EB ON RAMP TEMP XOVER
0010	33+82	-	38+00	'X10'	UPPER LAYER	2.50	2A	---	---	29	---	---	---	---	80	---	---	EB ON RAMP TEMP XOVER
0010	988+22	-	992+05	'D'	LT	3.50	2A	---	---	---	36	---	---	---	---	---	---	
0010	994+40	-	1011+39	'EB'	RT	5.00	2A	---	---	---	---	---	---	475	---	---	---	
0010	35+71	-	47+25	'X5'	LOWER LAYER	3.50	2A	---	---	---	---	---	---	---	238	---	---	EB ON RAMP XOVER

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HMA PAVEMENT ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	THICKNESS (IN)	STAGE	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	460.7423 HMA PAVEMENT 3 HT 58-28 H TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	460.8624 HMA PAVEMENT 4 SMA 58-28 V TON	REMARKS
0010	35+71	-	47+25	'X5'	UPPER LAYER	2.50	2A	---	---	61	---	---	---	---	170	---	---	EB ON RAMP XOVER
0010	1014+74	-	1030+01	'EB'	RT	5.00	2A	---	---	---	---	---	---	478	---	---	---	
0010	142+40	-	143+13	'EXEB82'	LT	5.00	2A	---	---	---	---	---	---	41	---	---	---	
0010	143+69	-	144+17	'EXEB82'	LT	5.00	2A	---	---	---	---	---	---	20	---	---	---	
0010	138+42	-	141+91	'EXWB82'	LT	5.00	2A	349	---	---	---	---	---	85	---	---	---	HMA SHOULDER PAVEMENT REPLACEMENT
0010	143+00	-	148+82	'EXWB82'	LT	5.00	2A	582	---	---	---	---	---	119	---	---	---	HMA SHOULDER PAVEMENT REPLACEMENT
0010	145+06	-	148+55	'EXWB82'	RT	5.00	2A	---	---	---	---	---	---	115	---	---	---	
0010	149+05	-	152+67	'EXWB82'	RT	5.00	2A	---	---	---	---	---	---	85	---	---	---	
0010	81+46	-	81+94	'EXC'	LT & RT	5.00	2A	---	---	---	---	---	---	21	---	---	---	
0010	85+91	-	86+15	'EXA'	LT & RT	5.00	2A	---	---	---	---	---	---	13	---	---	---	
0010	11+09	-	12+54	'SWBY'	LT	5.00	2B	---	---	---	---	---	---	116	---	---	---	
0010	140+45	-	140+76	'EB82'	LT	5.00	2B	---	---	---	---	---	---	6	---	---	---	
0010	142+50	-	143+57	'EB82'	LT & RT	5.00	2B	---	---	---	---	---	---	144	---	---	---	
0010	143+57	-	148+29	'EB82'	LT & RT	5.00	2B	---	---	---	---	---	---	325	---	---	---	
0010	10+09	-	11+91	'WRAB'	LT & RT	5.00	2B	---	---	---	---	---	---	214	---	---	---	
0010	12+36	-	13+49	'ERAB'	LT & RT	5.00	2B	---	---	---	---	---	---	230	---	---	---	
0010	151+43	-	152+70	'EB82'	RT	3.50	2B	---	---	---	18	---	---	---	---	---	---	
0010	23+61	-	25+00	'X6'	LOWER LAYER	3.50	2B	---	---	---	---	---	---	---	54	---	---	WB OFF RAMP XOVER
0010	23+61	-	25+00	'X6'	UPPER LAYER	2.50	2B	---	---	14	---	---	---	---	39	---	---	WB OFF RAMP XOVER
0010	142+98	-	143+57	'EB82'	RT	5.00	2C	---	---	---	---	---	---	39	---	---	---	
0010	150+08	-	151+23	'EB82'	LT	5.00	2C	---	---	---	---	---	---	69	---	---	---	
0010	13+39	-	10+71	'ERAB'	LT & RT	5.00	2C	---	---	---	---	---	---	142	---	---	---	
0010	987+71	-	989+02	'A'	LT	3.50	2C	---	---	---	23	---	---	---	---	---	---	
0010	989+01	-	992+00	'A'	LT	3.50	2C	---	---	---	52	---	---	---	---	---	---	
0010	30+00	-	33+47	'X12'	LOWER LAYER	3.50	2C	---	---	---	---	---	---	---	70	---	---	WB OFF RAMP XOVER
0010	30+00	-	33+47	'X12'	UPPER LAYER	2.50	2C	---	---	18	---	---	---	---	50	---	---	WB OFF RAMP XOVER
0010	976+00	-	985+45	'B'	LT	3.50	2D	---	---	---	166	---	---	---	---	---	---	
0010	976+00	-	983+75	'B'	RT	3.50	2D	---	---	---	67	---	---	---	---	---	---	
0010	20+00	-	22+16	'X11'	LOWER LAYER	3.50	2D	---	---	---	---	---	---	---	70	---	---	WB ON RAMP XOVER
0010	20+00	-	22+16	'X11'	UPPER LAYER	2.50	2D	---	---	18	---	---	---	---	50	---	---	WB ON RAMP XOVER
0010	13+83	-	10+04	'WRAB'	RT	5.00	2D	---	---	---	---	---	---	12	---	---	---	
0010	10+00	-	10+36	'NEBP'	RT	5.00	2D	---	---	---	---	---	---	24	---	---	---	
0010	138+42	-	139+05	'WB82'	LT	3.50	2D	---	---	---	7	---	---	---	---	---	---	
0010	976+75	-	978+39	'C'	LT	5.00	2E	---	---	---	---	---	---	21	---	---	---	
0010	986+66	-	988+22	'D'	LT	5.00	2E	---	---	---	20	---	---	---	---	---	---	
0010	UNDISTRIBUTED						2	---	---	---	---	---	---	---	---	---	---	
							STAGE 2 SUBTOTAL	931	0	291	864	0	0	4,209	1,322	180	180	
STAGE 3																		
0010	947+73	-	948+93	'WBT'	LOWER LAYER	3.50	3A	---	---	---	---	---	---	---	111	---	---	
0010	947+73	-	948+93	'WBT'	UPPER LAYER	2.50	3A	---	---	29	---	---	---	---	79	---	---	
0010	948+93	-	951+18	'WB'	LT	5.00	3A	---	---	---	---	---	---	57	---	---	---	
0010	948+93	-	950+75	'WB'	RT	3.50	3A	---	---	---	32	---	---	---	---	---	---	
0010	953+79	-	955+90	'WB'	LT	5.00	3A	---	---	---	---	---	---	53	---	---	---	
0010	953+51	-	955+90	'WB'	RT	3.50	3A	---	---	---	34	---	---	---	---	---	---	
0010	955+90	-	957+10	'WBT'	LOWER LAYER	3.50	3A	---	---	---	---	---	---	---	129	---	---	
0010	955+90	-	957+10	'WBT'	UPPER LAYER	2.50	3A	---	---	33	---	---	---	---	92	---	---	
0010	957+10	-	959+44	'WBT'	LOWER LAYER	3.50	3A	---	---	---	---	---	---	---	67	---	---	
0010	957+10	-	959+44	'WBT'	UPPER LAYER	2.50	3A	---	---	17	---	---	---	---	48	---	---	
0010	975+50	-	982+25	'WBT'	LOWER LAYER	3.50	3A	---	---	---	---	---	---	---	564	---	---	
0010	975+50	-	982+25	'WBT'	UPPER LAYER	2.50	3A	---	---	144	---	---	---	---	403	---	---	

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HMA PAVEMENT ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	THICKNESS (IN)	STAGE	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	460.7423 HMA PAVEMENT 3 HT 58-28 H TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	460.8624 HMA PAVEMENT 4 SMA 58-28 V TON	REMARKS
0010	982+25	-	982+90	'WB'	LT	5.00	3A	---	---	---	---	---	---	20	---	---	---	
0010	982+25	-	982+68	'WB'	RT	3.50	3A	---	---	---	13	---	---	---	---	---	---	
0010	986+16	-	989+53	'WB'	LT	5.00	3A	---	---	---	---	---	---	106	---	---	---	
0010	985+78	-	989+53	'WB'	RT	3.50	3A	---	---	---	54	---	---	---	---	---	---	
0010	989+53	-	992+24	'WBT'	LOWER LAYER	3.50	3A	---	---	---	---	---	---	---	225	---	---	
0010	989+53	-	992+24	'WBT'	UPPER LAYER	2.50	3A	---	---	58	---	---	---	---	161	---	---	
0010	1006+11	-	1008+82	'WBT'	LOWER LAYER	3.50	3A	---	---	---	---	---	---	---	232	---	---	
0010	1006+11	-	1008+82	'WBT'	UPPER LAYER	2.50	3A	---	---	59	---	---	---	---	166	---	---	
0010	1008+82	-	1011+67	'WB'	LT	5.00	3A	---	---	---	---	---	---	90	---	---	---	
0010	1008+82	-	1011+57	'WB'	RT	3.50	3A	---	---	---	72	---	---	---	---	---	---	
0010	1014+94	-	1017+17	'WB'	LT	5.00	3A	---	---	---	---	---	---	70	---	---	---	
0010	1014+94	-	1017+17	'WB'	RT	3.50	3A	---	---	---	45	---	---	---	---	---	---	
0010	1017+17	-	1021+53	'WBT'	LOWER LAYER	3.50	3A	---	---	---	---	---	---	---	351	---	---	
0010	1017+17	-	1021+53	'WBT'	UPPER LAYER	2.50	3A	---	---	90	---	---	---	---	251	---	---	
0010	21+38	-	22+75	'G'	LOWER LAYER	2.25	3A	---	---	---	---	58	---	---	---	---	---	
0010	21+38	-	22+75	'G'	UPPER LAYER	1.75	3A	---	---	23	---	---	45	---	---	---	---	
0010	944+01	-	948+93	'WB'	LT	5.00	3B	---	---	---	---	---	---	126	---	---	---	
0010	944+01	-	948+93	'WB'	RT	3.50	3B	---	---	---	65	---	---	---	---	---	---	
0010	955+90	-	971+00	'WB'	LT	5.00	3B	---	---	---	---	---	---	379	---	---	---	
0010	20+34	-	31+89	'X7'	LOWER LAYER	3.50	3B	---	---	---	---	---	---	---	240	---	---	WB ON RAMP XOVER
0010	20+34	-	31+89	'X7'	UPPER LAYER	2.50	3B	---	---	62	---	---	---	---	172	---	---	WB ON RAMP XOVER
0010	971+00	-	973+02	'B'	LT	5.00	3B	---	---	---	---	---	---	51	---	---	---	
0010	973+02	-	976+00	'B'	LT	3.50	3B	---	---	---	54	---	---	---	---	---	---	
0010	973+02	-	976+00	'B'	RT	3.50	3B	---	---	---	27	---	---	---	---	---	---	
0010	992+00	-	995+80	'A'	LT	3.50	3B	---	---	---	67	---	---	---	---	---	---	
0010	992+00	-	995+80	'A'	RT	3.50	3B	---	---	---	34	---	---	---	---	---	---	
0010	995+80	-	1000+00	'A'	LT	5.00	3B	---	---	---	---	---	---	105	---	---	---	
0010	1000+00	-	1008+82	'WB'	LT	5.00	3B	---	---	---	---	---	---	233	---	---	---	
0010	34+00	-	43+56	'X8'	LOWER LAYER	3.50	3B	---	---	---	---	---	---	---	208	---	---	WB OFF RAMP XOVER
0010	34+00	-	43+56	'X8'	UPPER LAYER	2.50	3B	---	---	53	---	---	---	---	149	---	---	WB OFF RAMP XOVER
0010	1017+17	-	1029+89	'WB'	LT	5.00	3B	---	---	---	---	---	---	397	---	---	---	
0010	973+02	-	982+25	'WB'	LT	5.00	3C	---	---	---	---	---	---	282	---	---	---	
0010	989+53	-	995+80	'WB'	LT	5.00	3C	---	---	---	---	---	---	198	---	---	---	
0010	983+74	-	985+45	'B'	RT	5.00	3C	---	---	---	20	---	---	---	---	---	---	
0010	989+01	-	990+60	'A'	RT	5.00	3C	---	---	---	20	---	---	---	---	---	---	
0010	990+60	-	992+00	'A'	RT	3.50	3C	---	---	---	13	---	---	---	---	---	---	
0010	UNDISTRIBUTED						3	---	140	---	---	---	---	---	---	---	---	
							STAGE 3 SUBTOTAL	0	140	568	550	58	45	2,167	3,648	0	0	
STAGE 4																		
0010	935+48	-	936+38	'EB'	MEDIAN	5.00	4	---	---	---	---	---	---	45	---	---	---	MAINTENANCE CROSSOVER
0010	952+78	-	982+10	'EB'	LT	3.50	4	---	---	---	510	---	---	---	---	---	---	
0010	985+46	-	1011+48	'EB'	LT	3.50	4	---	---	---	460	---	---	---	---	---	---	
0010	1014+74	-	1030+01	'EB'	LT	3.50	4	---	---	---	234	---	---	---	---	---	---	
0010	944+01	-	948+93	'WB'	RT	3.50	4	---	---	---	65	---	---	---	---	---	---	
0010	953+51	-	982+68	'WB'	RT	3.50	4	---	---	---	461	---	---	---	---	---	---	
0010	985+78	-	1008+82	'WB'	RT	3.50	4	---	---	---	415	---	---	---	---	---	---	
0010	1014+94	-	1029+89	'WB'	RT	3.50	4	---	---	---	328	---	---	---	---	---	---	
							STAGE 4 SUBTOTAL	0	0	0	2,473	0	0	45	0	0	0	
							TOTAL 0010	931	140	859	3,887	58	45	6,421	4,970	180	180	

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HMA PAVEMENT ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	THICKNESS (IN)	STAGE	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	460.7423 HMA PAVEMENT 3 HT 58-28 H TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	460.8624 HMA PAVEMENT 4 SMA 58-28 V TON	REMARKS
STAGE 2																		
0080	130+24	-	136+97	'EXEB82'	LT	5.00	2A	---	---	---	---	---	---	384	---	---	---	
0080	136+80	-	138+42	'EXEB82'	LT	5.00	2A	162	---	---	---	---	---	21	---	---	---	HMA SHOULDER PAVEMENT REPLACEMENT
0080	152+67	-	157+27	'EXWB82'	LT	5.00	2A	460	---	---	---	---	---	139	---	---	---	HMA SHOULDER PAVEMENT REPLACEMENT
0080	165+00	-	174+70	'EXWB82'	LT	5.00	2A	970	---	---	---	---	---	254	---	---	---	HMA SHOULDER PAVEMENT REPLACEMENT
0080	5+22	-	5+60	'C'	LT	5.00	2A	---	---	---	---	---	---	15	---	---	---	
0080	152+70	-	153+33	'EB82'	RT	5.00	2B	---	---	---	4	---	---	---	---	---	---	
0080	159+22	-	162+40	'EB82'	LOWER LAYER	3.50	2B	---	---	---	---	---	---	15	---	---	---	C&G REPLACEMENT
0080	159+22	-	162+40	'EB82'	UPPER LAYER	2.00	2B	---	---	4	---	---	---	---	---	9	---	C&G REPLACEMENT
0080	159+22	-	172+29	'EB82'	LT & RT	2.00	2B	---	---	216	---	---	---	---	---	345	---	
0080	159+22	-	172+29	'EB82'	RT	5.00	2B	1307	---	---	---	---	---	421	---	---	---	HMA SHOULDER PAVEMENT REPLACEMENT
0080	158+82	-	159+22	'EB82'	LT	5.00	2B	---	---	---	---	---	---	15	---	---	---	
0080	131+85	-	138+41	'WB82'	LT	3.50	2D	---	---	---	53	---	---	---	---	---	---	
0080	154+50	-	155+08	'EB82'	LT	5.00	2D	---	---	---	---	---	---	32	---	---	---	
0080	159+18	-	162+37	'WB82'	LOWER LAYER	3.50	2D	---	---	---	---	---	---	22	---	---	---	C&G REPLACEMENT
0080	159+18	-	162+37	'WB82'	UPPER LAYER	2.00	2D	---	---	6	---	---	---	---	---	13	---	C&G REPLACEMENT
0080	159+18	-	167+55	'WB82'	LT & RT	2.00	2D	---	---	213	---	---	---	---	---	341	---	
0080	172+29	-	176+48	'EB82'	LT & RT	2.00	2F	---	201	126	---	---	---	---	---	201	---	
							STAGE 2 SUBTOTAL	2,899	201	565	57	0	0	1,318	0	909	0	
							TOTAL 0080	2,899	201	565	57	0	0	1,318	0	909	0	
							PROJECT TOTAL	3,830	341	1,424	3,944	58	45	7,739	4,970	1,089	180	

NOTE: TACK COAT CALCULATED AT 0.07 GALLONS PER SQUARE YARD FOR MILLED SURFACES AND 0.05 GALLONS PER SQUARE YARD BETWEEN LAYERS

ASPHALTIC SURFACE ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	THICKNESS INCH	STAGE	465.0105 ASPHALTIC SURFACE TON	REMARKS
STAGE 2									
0010	952+84	-	982+37	'T'	RT	2.00	2	74	ASPHALTIC DITCH
0010	984+88	-	1012+07	'T'	RT	2.00	2	68	ASPHALTIC DITCH
0010	1014+62	-	1029+95	'T'	RT	2.00	2	39	ASPHALTIC DITCH
							STAGE 2 SUBTOTAL	181	
STAGE 3									
0010	947+72	-	951+43	'T1'	LT	2.00	3A	10	ASPHALTIC DITCH
0010	953+31	-	957+13	'T1'	LT	2.00	3A	10	ASPHALTIC DITCH
0010	975+49	-	982+68	'T1'	LT	2.00	3A	18	ASPHALTIC DITCH
0010	985+21	-	992+24	'T1'	LT	2.00	3A	18	ASPHALTIC DITCH
0010	1006+10	-	1012+15	'T1'	LT	2.00	3A	16	ASPHALTIC DITCH
0010	1014+70	-	1021+55	'T1'	LT	2.00	3A	18	ASPHALTIC DITCH
0010	944+04	-	948+95	'T1'	LT	2.00	3	13	ASPHALTIC DITCH
0010	955+92	-	982+25	'T1'	LT	2.00	3	66	ASPHALTIC DITCH
0010	989+52	-	1008+82	'T1'	LT	2.00	3	49	ASPHALTIC DITCH
0010	1017+18	-	1029+97	'T1'	LT	2.00	3	32	ASPHALTIC DITCH
							STAGE 3 SUBTOTAL	250	
							TOTAL 0010	431	

DRIVEWAY ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
STAGE 2									
0080	155+54	-	156+92	'EB82'	RT-CE	2B	---	48	24
0080	157+47	-	159+19	'EB82'	RT-CE	2B	---	65	33
0080	160+67	-	161+54	'EB82'	RT-CE	2B	23	---	---
0080	162+59	-	163+23	'EB82'	RT-PE	2B	10	---	---
0080	168+15	-	168+60	'EB82'	RT-PE	2B	4	---	---
0080	170+28	-	170+85	'EB82'	RT-PE	2B	---	8	4
0080	132+22	-	133+88	'WB82'	LT-CE	2D	---	61	31
0080	154+44	-	155+20	'WB82'	LT-CE	2D	---	40	20
0080	161+84	-	163+44	'WB82'	LT-CE	2D	---	49	25
0080	153+68	-	154+44	'WB82'	LT-CE	2E	---	34	17
0080	173+84	-	174+36	'EB82'	RT-PE	2F	---	6	4
0080	173+87	-	174+37	'EB82'	LT-PE	2F	---	10	5
0080	175+47	-	176+01	'EB82'	RT-PE	2F	---	11	6
						STAGE 2 SUBTOTAL	37	332	169
						TOTAL 0080	37	332	169

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ICE HOT WEATHER CONCRETING

CATEGORY	STAGE	LOCATION	501.1000.S ICE HOT WEATHER CONCRETING LB
0010	STAGE 2	STRUCTURES	15,405
		TOTAL 0010	15,405

TEMPORARY CULVERT PIPE

CATEGORY	INLET #	INLET STATION	INLET ALIGNMENT	INLET LOCATION	INLET ELEV.	OUTLET #	OUTLET STATION	OUTLET ALIGNMENT	OUTLET LOCATION	OUTLET ELEV.	SLOPE	STAGE	520.2018 CULVERT PIPE TEMPORARY 18-INCH LF	* 521.1518 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 6 TO 1 EACH	* 650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH
0010	TEW-1.1	986+67	'D'	LT	868.43	TEW-1.0	985+51	'D'	LT	866.26	1.87%	2B	116	2	1
												TOTAL 0010	116	2	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

APRON ENDWALLS FOR CULVERT PIPE

CATEGORY	STATION	ALIGNMENT	LOCATION	STAGE	* 521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	* 521.1518 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 6 TO 1 EACH	* 521.1524 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 6 TO 1 EACH	* 522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	* 522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	* 522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	633.5200 MARKERS CULVERT END EACH
STAGE 2													
0010	961+52	'EB'	RT	2A	---	---	---	---	---	1	---	---	1
0010	963+01	'EB'	RT	2A	1	---	---	---	---	---	---	---	1
0010	979+59	'C'	EB OFF RAMP	2A	---	---	---	---	1	---	---	---	1
0010	985+00	'D'	EB ON RAMP	2A	---	---	---	---	2	---	---	---	2
0010	996+81	'EB'	RT	2A	---	---	---	---	---	1	---	---	1
0010	1002+29	'EB'	RT	2A	---	---	---	---	---	1	---	---	1
0010	1023+76	'EB'	RT	2A	---	---	---	---	---	---	---	1	1
0010	10+96	'NEBP'	LT	2D	---	---	---	---	1	---	---	---	1
0010	11+24	'NEBP'	LT	2D	---	---	---	---	1	---	---	---	1
0010	154+16	'WB82'	LT	2D	---	---	---	---	---	---	---	---	1
0010	154+73	'WB82'	LT	2D	---	---	---	---	---	---	---	---	1
0010	980+18	'C'	LT	2E	---	---	---	---	1	---	---	---	1
				STAGE 2 SUBTOTAL	1	0	0	0	6	3	0	1	13
STAGE 3													
0010	950+09	'WB'	LT	3	---	---	---	---	---	---	1	---	1
0010	962+37	'WB'	LT	3	---	---	---	---	---	1	---	---	1
0010	999+25	'WB'	LT	3	---	---	---	---	1	---	---	---	1
0010	1002+28	'WB'	LT	3	---	---	---	---	---	1	---	---	1
0010	1010+42	'WB'	LT	3	---	---	---	---	1	---	---	---	1
0010	1021+13	'WB'	LT	3	---	---	---	---	1	---	---	---	1
0010	1024+25	'WB'	LT	3	---	---	---	---	1	---	---	---	1
0010	1024+94	'WB'	RT	3	---	---	---	---	---	---	---	1	1
				STAGE 3 SUBTOTAL	0	0	0	0	4	2	1	1	8
STAGE 4													
0010	938+13	'EB'	LT	4	---	1	---	---	---	---	---	---	1
0010	999+25	'WB'	RT	4	---	---	1	---	---	---	---	---	1
0010	1010+42	'WB'	RT	4	---	---	1	---	---	---	---	---	1
0010	1021+13	'WB'	RT	4	---	---	1	---	---	---	---	---	1
0010	1024+25	'WB'	RT	4	---	---	1	---	---	---	---	---	1
0010	1027+63	'WB'	RT	4	---	1	---	---	---	---	---	---	1
				STAGE 4 SUBTOTAL	0	2	4	0	0	0	0	0	6
				TOTAL 0010	1	2	4	0	10	5	1	2	27

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APRON ENDWALLS FOR CULVERT PIPE

CATEGORY	STATION	ALIGNMENT	LOCATION	STAGE	* 521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	* 521.1518 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 6 TO 1 EACH	* 521.1524 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 6 TO 1 EACH	* 522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	* 522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	* 522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	633.5200 MARKERS CULVERT END EACH
STAGE 2D													
0080	154+20	'WB82'	LT	2D	---	---	---	2	---	---	---	---	2
0080	154+68	'WB82'	LT	2D	---	---	---	2	---	---	---	---	2
				STAGE 2D SUBTOTAL	0	0	0	4	0	0	0	0	4
				TOTAL 0080	0	0	0	4	0	0	0	0	4
				PROJECT TOTAL	1	2	4	4	10	5	1	2	31

CULVERT PIPES

CATEGORY	INLET #	INLET STATION	INLET ALIGNMENT	INLET LOCATION	INLET ELEV.	OUTLET #	OUTLET STATION	OUTLET ALIGNMENT	OUTLET LOCATION	OUTLET ELEV.	SLOPE	MINIMUM THICKNESS (INCHES) STEEL	STAGE	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	522.0148 CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	* 650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH
STAGE 2																			
0010	29.1	961+52	'EB'	RT	894.74	29.0	961+46	'EB'	RT	894.61	0.98%	-	2A	1	---	13	---	---	1
0010	30.1	963+01	'EB'	RT	899.22	30.0	963+01	'EB'	RT	899.11	0.78%	0.064	2A	---	16	---	---	---	1
0010	35.4	996+81	'EB'	RT	859.74	35.3	996+81	'EB'	RT	859.73	0.37%	-	2A	1	---	4	---	---	1
0010	38.3	1002+29	'EB'	RT	859.76	38.2	1002+29	'EB'	RT	859.75	0.48%	-	2A	1	---	2	---	---	1
0010	47.1	1023+80	'EB'	RT	854.39	47.0	1023+76	'EB'	RT	854.39	0.00%	-	2A	1		---	---	8	1
													STAGE 2 SUBTOTAL	4	16	19	0	8	5
STAGE 3																			
0010	24.0	950+09	'WB'	LT	882.53	24	950+09	'WB'	LT	882.44	0.72%	-	3A	1	---	---	14	---	1
0010	27.0	954+22	'WB'	LT	883.96	27.1	954+12	'WB'	LT	883.86	0.53%	-	3A	1	---	19	---	---	1
0010	29.3	962+41	'WB'	LT	896.85	29.2	962+37	'WB'	LT	896.77	0.98%	-	3B	1	---	8	---	---	1
0010	38.0	1002+28	'WB'	LT	858.86	38.1	1002+28	'WB'	LT	858.83	0.48%	-	3B	1	---	8	---	---	1
0010	47.3	1024+95	'WB'	LT	854.51	47.2	1024+94	'WB'	LT	854.51	0.05%	-	3B	1	---	---	---	2	1
													STAGE 3 SUBTOTAL	5	0	35	14	2	5
STAGE 4																			
0010	22.0	945+13	'EB'	LT	882.37	22.1	945+13	'EB'	LT	882.37	---	-	4	---	---	---	---	---	1
													STAGE 4 SUBTOTAL	0	0	0	0	0	1
													TOTAL 0010	9	16	54	14	10	11

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CULVERT PIPE CLASS IV

CATEGORY	INLET #	INLET STATION	INLET ALIGNMENT	INLET LOCATION	INLET ELEV.	OUTLET #	OUTLET STATION	OUTLET ALIGNMENT	OUTLET LOCATION	OUTLET ELEV.	SLOPE	STAGE	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0412 CULVERT PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	522.0418 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	* 650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	REMARKS
STAGE 2																		
0010	EW-1.1	979+59	'C'	RT	864.36	STAGE END	979+95	'C'	LT	864.19	0.25%	2A	---	---	---	63	1	
0010	EW-3.1	985+00	'D'	LT	863.82	EW-3.0	985+00	'D'	RT	863.29	0.77%	2A	---	---	---	69	1	
0010	EW-2.1	11+24	'NEBP'	LT	868.72	EW-2.1	10+96	'NEBP'	LT	868.34	1.50%	2D	---	---	---	26	1	
0010	CONST LIMIT	979+59	'C'	RT	864.36	EW-1.0	980+14	'C'	LT	864.09	0.25%	2E	---	---	---	43	1	
												STAGE 2 SUBTOTAL	0	0	0	201	4	
STAGE 3																		
0010	CONST LIMIT	1010+42	'WB'	RT	866.59	40.0	1010+42	'WB'	LT	865.41	2.00%	3A	---	---	---	59	1	
0010	CONST LIMIT	1021+13	'WB'	RT	869.24	45.0	1021+13	'WB'	LT	868.22	2.00%	3A	---	---	---	51	1	
0010	CONST LIMIT	999+25	'WB'	RT	863.78	36.0	999+25	'WB'	LT	863.49	0.56%	3B	---	---	---	54	1	
0010	CONST LIMIT	1024+25	'WB'	RT	870.14	46.0	1024+25	'WB'	LT	868.02	4.00%	3B	---	---	---	53	1	
												STAGE 3 SUBTOTAL	0	0	0	217	4	
STAGE 4																		
0010	20.1	938+13	'EB'	RT	880.66	EX	938+13	'EB'	LT	880.18	5.18%	4	1	---	10	---	1	
0010	36.1	999+25	'WB'	RT	863.89	CONST LIMIT	999+50	'WB'	RT	863.78	0.56%	4	---	---	---	18	1	
0010	40.1	1010+42	'WB'	RT	866.85	CONST LIMIT	1010+42	'WB'	RT	866.59	2.00%	4	---	---	---	13	1	
0010	45.1	1021+19	'WB'	RT	869.61	CONST LIMIT	1021+13	'WB'	RT	869.24	2.00%	4	---	---	---	19	1	
0010	46.1	1024+25	'WB'	RT	870.80	CONST LIMIT	1024+25	'WB'	RT	870.14	4.00%	4	---	---	---	16	1	
												STAGE 4 SUBTOTAL	1	0	10	66	5	
												TOTAL 0010	1	0	10	484	13	
STAGE 2D																		
0080	EW-4.1	154+69	'WB82'	LT	872.74	EW4.0	154+20	'WB82'	LT	872.52	0.46%	2D	---	47	---	---	1	
0080	EW-5.1	154+68	'WB82'	LT	872.74	EW5.0	154+21	'WB82'	LT	872.52	0.47%	2D	---	49	---	---	1	
												STAGE 4 SUBTOTAL	0	96	0	0	2	
												TOTAL 0080	0	96	0	0	2	
												PROJECT TOTAL	1	96	10	484	15	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CULVERT PIPE CORRUGATED POLYETHLYLENE

CATEGORY	STATION	ALIGNMENT	LOCATION	* 521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	530.0118 CULVERT PIPE CORRUGATED POLYETHYLENE 18-INCH LF	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	INLET ELEVATION	DISCHARGE ELEVATION	ELBOWS REQ'D
STAGE 2A									
0010	953+12	'EB'	RT	1	62	1	899.27	882.97	2
			STAGE 2 SUBTOTAL	1	62	1			
STAGE 3A									
0010	982+10	'WB'	LT	1	97	1	885.25	863.54	2
			STAGE 3 SUBTOTAL	1	97	1			
*ADDITIONAL QUANTITIES LISTED ELSEWHERE			TOTAL 0010	2	159	2			

CURB AND GUTTER

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	416.0610 DRILLED TIE BARS EACH	465.0310 ASPHALTIC CURB LF	465.0315 ASPHALTIC FLUMES SY	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	REMARKS
STAGE 2																		
0010	985+38	-	---	'B'	LT	2	---	---	14	---	---	---	---	---	---	---	---	
0010	985+38	-	---	'B'	RT	2	---	---	10	---	---	---	---	---	---	---	---	
0010	981+88	-	---	'D'	RT	2	---	---	17	---	---	---	---	---	---	---	---	
0010	978+39	-	979+14	'C'	LT	2A	---	---	---	---	---	---	75	---	---	---	---	
0010	979+14	-	980+51	'C'	LT	2A	---	---	---	---	143	---	---	---	---	---	---	
0010	138+43	-	140+76	'EB82'	LT	2B	---	---	---	---	203	---	---	---	---	---	---	
0010	143+57	-	147+76	'EB82'	LT	2B	---	---	---	---	419	---	---	---	---	---	---	
0010	9+80	-	12+08	'SWBR'	RT	2B	---	---	---	---	228	---	---	---	---	---	---	
0010	12+08	-	981+46	'D'	RT	2B	---	---	---	---	---	---	57	---	---	---	---	MIN. 8-INCH THICKNESS
0010	981+46	-	981+83	'D'	RT	2B	---	---	---	---	---	---	37	---	---	---	---	
0010	988+46	-	989+02	'A'	RT	2C	---	---	---	---	---	---	57	---	---	---	---	
0010	986+67	-	987+00	'A'	RT	2C	---	---	---	---	40	---	---	---	---	---	---	
0010	10+00	-	12+04	'ERSE'	RT	2C	---	22	20	---	---	---	201	---	---	---	---	MIN. 8-INCH THICKNESS
0010	12+04	-	13+15	'ERSE'	RT	2C	---	---	---	---	---	---	110	---	---	---	---	
0010	140+45	-	140+77	'EB82'	LT	2D	---	---	---	---	32	---	---	---	---	33	---	
0010	150+23	-	152+70	'EB82'	LT	2D	---	---	---	---	149	---	---	---	---	---	---	
0010	138+41	-	140+73	'WB82'	RT	2D	---	---	---	---	233	---	---	---	---	---	---	
0010	143+16	-	148+30	'WB82'	RT	2D	---	---	---	---	514	---	---	---	---	---	---	
0010	143+26	-	148+30	'WB82'	LT	2D	---	---	---	---	499	---	---	---	---	---	---	
0010	151+15	-	152+66	'WB82'	RT	2D	---	---	---	---	152	---	---	---	---	---	---	
0010	10+00	-	11+04	'WRNW'	LT	2D	---	---	---	---	---	---	104	---	---	---	---	
0010	11+04	-	13+17	'WRNW'	LT	2D	---	---	---	---	---	---	210	---	---	---	---	MIN. 8-INCH THICKNESS
0010	979+83	-	979+99	'C'	RT	2D	---	---	---	---	---	---	15	---	---	---	---	
0010	980+51	-	980+75	'C'	LT	2D	---	---	---	---	29	---	---	---	---	---	---	
0010	12+40	-	13+13	'WRAB'	RT	2D	---	---	---	---	99	---	---	---	---	---	---	
0010	11+89	-	10+05	'WRAB'	LT	2D	---	---	---	139	---	---	---	---	205	---	---	
0010	12+24	-	12+36	'ERAB'	RT	2D	---	---	---	---	16	---	---	---	---	---	---	
0010	17+40	-	17+86	'W82L'	LT	2D	---	22	8	---	---	---	46	---	---	---	---	MIN. 8-INCH THICKNESS
0010	10+39	-	11+14	'NESS'	LT	2D	---	---	---	---	---	---	74	---	---	---	---	MIN. 8-INCH THICKNESS
0010	11+14	-	11+56	'NESS'	LT	2D	---	---	---	---	40	---	---	---	---	---	---	
0010	10+00	-	11+19	'NEBL'	LT	2D	---	22	12	---	---	---	117	---	---	---	---	MIN. 8-INCH THICKNESS
0010	11+19	-	12+97	'NEBL'	LT	2D	---	---	---	---	278	---	---	---	---	---	---	
0010	10+36	-	11+34	'NEBP'	RT	2D	---	---	---	---	97	---	---	---	---	41	---	
0010	142+50	-	143+57	'EB82'	LT	2E	---	---	---	---	108	---	---	---	---	---	---	
0010	11+77	-	12+04	'WRAB'	LT	2E	---	---	---	---	37	---	---	---	---	---	---	
0010	142+52	-	143+16	'WB82'	RT	2E	---	---	---	---	131	---	---	---	---	---	---	
0010	10+13	-	11+17	'W82L'	LT	2E	---	---	---	---	---	---	103	---	---	---	---	MIN. 8-INCH THICKNESS
0010	10+71	-	12+36	'ERAB'	LT	2E	---	---	---	96	---	---	---	---	160	---	---	
0010	16+16	-	17+27	'W82L'	LT	2E	---	---	---	---	111	---	---	---	---	---	---	
0010	11+14	-	11+39	'SWSN'	RT	2F	---	---	---	---	24	---	---	---	---	---	---	
0010	11+39	-	12+74	'SWSN'	RT	2F	---	---	---	---	---	---	132	---	---	---	---	MIN. 8-INCH THICKNESS
0010	11+14	-	12+26	'SWBP'	LT	2F	---	---	---	---	111	---	---	---	---	33	---	
0010	12+26	-	12+51	'SWBP'	LT	2F	---	---	---	---	---	---	25	---	---	---	---	MIN. 8-INCH THICKNESS
0010	10+05	-	11+89	'WRAB'	LT	2F	---	---	---	107	---	---	---	---	178	---	---	
0010	12+36	-	10+71	'ERAB'	LT	2F	---	---	---	137	---	---	---	---	224	---	---	
0010	11+53	-	11+97	'E82R'	RT	2G	---	---	---	---	---	---	43	---	---	---	---	MIN. 8-INCH THICKNESS
0010	12+11	-	18+29	'E82R'	RT	2G	---	---	---	---	618	---	---	---	---	---	---	
0010	18+29	-	19+31	'E82R'	RT	2G	---	---	---	---	---	---	100	---	---	---	---	MIN. 8-INCH THICKNESS
0010	19+31	-	20+20	'E82R'	RT	2G	---	---	---	---	91	---	---	---	---	---	---	
0010	147+76	-	148+29	'EB82'	LT	2G	---	---	---	---	54	---	---	---	---	---	---	
0010	150+07	-	151+23	'EB82'	LT	2G	---	---	---	---	116	---	---	---	---	52	---	
0010	10+38	-	10+60	'ERAB'	RT	2G	---	---	---	---	30	---	---	---	---	---	---	

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CURB AND GUTTER

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	416.0610 DRILLED TIE BARS EACH	465.0310 ASPHALTIC CURB LF	465.0315 ASPHALTIC FLUMES SY	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	REMARKS
0010	12+36	-	12+50	'ERAB'	RT	2G	---	---	---	---	19	---	---	---	---	---	---	
0010	150+02	-	151+15	'WB82'	RT	2G	---	---	---	---	114	---	---	---	---	---	---	
0010	10+00	-	10+39	'NESS'	LT	2G	---	---	---	---	---	---	37	---	---	---	---	MIN. 8-INCH THICKNESS
0010	10+00	-	10+36	'NEBP'	RT	2G	---	---	---	---	36	---	---	---	---	---	---	
						STAGE 2 SUBTOTAL	0	66	81	479	4,771	0	1,543	0	767	159	0	
STAGE 3																		
0010	21+38	-	22+75	'G'	LT	3	---	---	---	---	---	137	---	---	---	---	137	
0010	21+38	-	22+75	'G'	RT	3	---	---	---	---	---	137	---	---	---	---	137	
0010	988+26	-	988+46	'A'	RT	3C	---	---	---	---	---	---	20	---	---	---	---	
0010	987+00	-	988+26	'A'	RT	3C	---	---	---	---	133	---	---	---	---	---	---	
						STAGE 3 SUBTOTAL	0	0	0	0	133	274	20	0	0	0	274	
						TOTAL 0010	0	66	81	479	4,904	274	1,563	0	767	159	274	
STAGE 2																		
0080	132+78	-	138+44	'EB82'	LT & RT	2B	---	---	---	---	1,098	---	---	---	---	---	---	
0080	159+22	-	162+34	'EB82'	LT	2B	---	---	---	---	---	---	---	310	---	---	310	
0080	131+85	-	138+41	'WB82'	RT	2D	---	---	---	---	657	---	---	---	---	---	---	
0080	152+70	-	154+18	'EB82'	LT	2D	---	---	---	---	149	---	---	---	---	---	---	
0080	152+66	-	154+13	'WB82'	RT	2D	---	---	---	---	147	---	---	---	---	---	---	
0080	154+78	-	157+86	'WB82'	RT	2D	---	---	---	---	---	---	296	---	---	---	---	
0080	155+08	-	157+89	'EB82'	LT	2D	---	---	---	---	---	---	279	---	---	10	---	
0080	159+19	-	162+31	'WB82'	RT	2D	---	---	---	---	---	---	---	310	---	---	310	
0080	5+26	-	6+04	'C'	LT	2D	3	---	---	---	109	---	---	---	---	---	---	
0080	5+26	-	6+04	'C'	LT	2D	---	---	---	---	84	---	---	---	---	18	---	COMMERCIAL ST ISLAND
0080	5+28	-	6+04	'C'	RT	2D	3	---	---	---	110	---	---	---	---	---	---	
0080	154+33	-	154+42	'WB82'	LT	2E	---	---	---	---	23	---	---	---	---	---	---	DRIVEWAY ISLAND
0080	130+24	-	131+81	'EBEX82'	LT	2F	66	---	---	---	157	---	---	---	---	---	---	
0080	131+84	-	132+96	'EB82'	LT & RT	2F	3	---	---	---	224	---	---	---	---	---	---	
0080	130+28	-	131+90	'WBEX82'	RT	2F	69	---	---	---	164	---	---	---	---	---	---	
0080	158+89	-	159+22	'EB82'	LT	2G	---	---	---	---	---	---	66	---	---	---	---	
0080	154+52	-	154+78	'WB82'	RT	2G	---	---	---	---	---	---	26	---	---	---	---	
0080	154+52	-	155+08	'EB82'	LT	2G	---	---	---	---	---	---	76	---	---	---	---	
						STAGE 2 SUBTOTAL	144	0	0	0	2,922	0	743	620	0	28	620	
						TOTAL 0080	144	0	0	0	2,922	0	743	620	0	28	620	
						PROJECT TOTAL	144	66	81	479	7826	274	2306	620	767	187	894	

OVERHEAD SIGN STRUCTURE ITEMS

CATEGORY	STATION	STATION	LOCATION	* 531.2036 DRILLING SHAFT 36-INCH LF	531.5420.01 FOUNDATION SINGLE-SHAFT TYPE TF-II (STRUCTURE) (01. S-29-0011) EACH	531.5420.02 FOUNDATION SINGLE-SHAFT TYPE TF-II (STRUCTURE) (02. S-29-0012) EACH	532.5420.01 TRUSS FULL SPAN 2-CHORD TYPE II (STRUCTURE) (01. S-29-0011) EACH	532.5420.02 TRUSS FULL SPAN 2-CHORD TYPE II (STRUCTURE) (02. S-29-0012) EACH
0010	138+63	'EB82'	LT & RT	40	2	---	1	---
0010	152+66	'WB82'	LT & RT	40	---	2	---	1
			TOTAL 0010	80	2	2	1	1

SIDEWALK ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	620.0200 CONCRETE MEDIAN BLUNT NOSE SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
STAGE 2												
0010	10+11	-	12+61	'SWBR'	PATH	2B	3201	40	---	---	---	---
0010	143+57	-	147+76	'EB82'	MEDIAN	2B	4851	---	---	---	---	---
0010	20+41	-	20+61	'E82R'	PATH	2C	161	20	---	---	---	---
0010	10+73	-	12+63	'ERSE'	PATH	2C	1779	40	---	---	---	---
0010	138+43	-	140+59	'EB82'	MEDIAN	2D	1634	40	---	---	---	---
0010	151+20	-	152+70	'EB82'	MEDIAN	2D	1866	---	---	---	---	---
0010	10+74	-	12+72	'WRNW'	PATH	2D	1646	40	---	---	---	---
0010	12+52	-	13+18	'WRAB'	PATH	2D	994	20	---	---	24	---
0010	143+16	-	148+40	'WB82'	MEDIAN	2D	6183	---	---	---	55	---
0010	143+16	-	148+00	'WB82'	PATH	2D	5964	---	---	---	---	---
0010	10+29	-	11+40	'NEBY'	MEDIAN	2D	1748	40	---	---	80	---
0010	10+18	-	12+23	'NEBL'	PATH	2D	1573	40	---	---	---	---
0010	142+34	-	143+50	'EB82'	MEDIAN	2E	2529	---	---	---	82	---
0010	142+21	-	143+17	'WB82'	PATH	2E	985	---	---	---	---	---
0010	15+91	-	17+72	'W82L'	PATH	2E	1382	20	---	---	66	---
0010	11+08	-	12+36	'SWBY'	MEDIAN	2F	1695	40	---	---	112	---
0010	140+54	-	140+83	'EB82'	MEDIAN	2G	409	---	---	---	76	---
0010	11+71	-	20+61	'E82R'	PATH	2G	9214	40	---	---	102	---
0010	147+76	-	148+35	'EB82'	MEDIAN	2G	783	---	---	---	27	---
0010	150+00	-	151+23	'EB82'	MEDIAN	2G	1959	40	---	---	81	---
0010	10+00	-	10+36	'NEBY'	MEDIAN	2G	448	---	---	---	22	---
						STAGE 2 SUBTOTAL	51,004	420	0	0	727	0
STAGE 3												
0010	21+19	-	21+36	'G'	LT	3	782	---	---	---	---	---
0010	21+38	-	23+00	'G'	RT	3	994	---	---	---	---	---
						STAGE 3 SUBTOTAL	1,776	0	0	0	0	0
						TOTAL 0010	52,780	420	0	0	727	0
STAGE 2												
0080	154+93	-	155+03	'EB82'	PATH	2B	182	---	---	---	---	---
0080	157+66	-	157+71	'EB82'	PATH	2B	36	10	---	---	---	1
0080	134+82	-	138+43	'EB82'	MEDIAN	2D	2551	---	---	---	---	---
0080	152+70	-	154+22	'EB82'	MEDIAN	2D	1400	---	---	---	26	---
0080	154+92	-	157+94	'EB82'	MEDIAN	2D	2706	---	---	---	68	---
0080	159+22	-	162+38	'EB82'	MEDIAN	2D	2646	---	---	---	62	---
0080	157+14	-	157+97	'WB82'	PATH	2D	633	20	---	---	---	2
0080	154+33	-	154+48	'WB82'	MEDIAN	2D	52	---	---	48	---	---
0080	158+04	-	158+24	'WB82'	MEDIAN	2D	269	20	---	29	---	---
0080	158+79	-	158+95	'WB82'	PATH	2D	76	---	10	---	---	1
0080	129+81	-	134+82	'EB82'	MEDIAN	2F	8409	---	---	---	---	---
0080	154+50	-	155+08	'EB82'	MEDIAN	2G	677	---	---	---	35	---
0080	158+82	-	159+22	'EB82'	MEDIAN	2G	204	---	---	---	67	---
						STAGE 2 SUBTOTAL	19,841	50	10	77	258	4
						TOTAL 0080	19,841	50	10	77	258	4
						PROJECT TOTAL	72,621	470	10	77	985	4

CONCRETE BARRIER TEMPORARY

CATEGORY	STATION	TO	STATION	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	603.8500 ANCHORING CONCRETE BARRIER TEMPORARY PRECAST LF	SPV.0090.01 SPECIAL (01. MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS) LF	SPV.0090.05 SPECIAL (05. TRAFFIC CONTROL GAWK SCREEN FURNISHED) LF	SPV.0090.06 SPECIAL (06. TRAFFIC CONTROL GAWK SCREEN INSTALLED) LF	SPV.0090.07 SPECIAL (07. TRAFFIC CONTROL GAWK SCREEN MOVED) LF	REMARKS
PRE-STAGE 2												
0010	925+00EB	-	1050+00EB	IH 90/94 EB	18,840	18,840	18,840	---	18,840	18,840	---	IH 90/94 EB MEDIAN CROSSOVER BARRIER
0010	925+00WB	-	1050+00WB	IH 90/94 WB	---	---	---	---	---	---	---	
				SUBTOTAL	18,840	18,840	18,840	0	18,840	18,840	0	
STAGE 2A												
0010	925+00EB	-	1050+00EB	IH 90/94 EB	842	842	---	12,297	---	---	---	IH 90/94 EB OFF-RAMP BARRIER INSTALLED
0010	925+00WB	-	1050+00WB	IH 90/94 WB	---	---	---	---	---	---	---	
				SUBTOTAL	842	842	0	12,297	0	0	0	
STAGE 2C		-										
0010	925+00EB	-	1050+00EB	IH 90/94 EB	---	1,595	---	---	---	---	1,595	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	304	304	304	---	---	---	---	
				SUBTOTAL	304	1,899	304	0	0	0	1,595	
PRE-STAGE 3A												
0010	925+00EB	-	1050+00EB	IH 90/94 EB	12,002	12,002	---	---	---	---	---	ASSUME SAME INGRESS/EGRESS LAYOUT AS STAGE 1B (-80 ID) FOR EB SIDE
0010	925+00WB	-	1050+00WB	IH 90/94 WB	1,334	7,165	7,165	1,536	1,334	1,334	5,083	
				SUBTOTAL	13,336	19,167	7,165	1,536	1,334	1,334	5,083	
STAGE 3A												
0010	925+00EB	-	1050+00EB	IH 90/94 EB	---	---	---	---	---	---	---	CONCRETE BARRIER TEMPORARY QUANTITIES FOR PREPARATION OF WINTER SHUTDOWN
0010	925+00WB	-	1050+00WB	IH 90/94 WB	7,376	7,376	---	5,293	---	---	---	
0010	20+00G	-	23+00G	CTH G	550	1,100	---	---	---	---	---	
				SUBTOTAL	7,926	8,476	0	5,293	0	0	0	
STAGE 3B												
0010	925+00EB	-	1050+00EB	IH 90/94 EB	---	---	---	---	---	---	---	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	---	384	---	3,929	---	---	---	
				SUBTOTAL	0	384	0	3,929	0	0	0	
STAGE 3C												
0010	925+00EB	-	1050+00EB	IH 90/94 EB	---	---	---	---	---	---	---	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	825	3,740	842	0	394	394	781	
				SUBTOTAL	825	3,740	842	0	394	394	781	
STAGE 4												
0010	925+00EB	-	1050+00EB	IH 90/94 EB	---	---	---	---	---	---	---	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	---	13,682	---	---	---	---	---	ASSUME SAME INGRESS/EGRESS LAYOUT AS STAGE 1B (-80 ID)
				SUBTOTAL	0	13,682	0	0	0	0	0	
UNDISTRIBUTED												
0010		PROJECT			2,104	3,352	1,358	1,153	1,029	1,029	373	5% UNDISTRIBUTED
				TOTAL 0010	44,177	70,382	28,509	24,208	21,597	21,597	7,832	

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RIPRAP ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY	REMARKS
STAGE 2											
0010	953+12	-	---	'EB'	RT	2	3	---	---	12	
0010	961+43	-	---	'EB'	RT	2	---	6	16	---	
0010	985+00	-	---	'D'	RT	2	10	---	---	27	
0010	1023+66	-	1023+76	'EB'	RT	2	---	4	12	---	
0010	991+11	-	---	'EB'	RT	2A	4	---	---	6	
0010	13+88	-	---	'ERAB'	RT	2B	5	---	---	10	
0010	10+03	-	---	'ERAB'	RT	2C	7	---	---	13	
0010	150+15	-	---	'EB82'	RT	2C	7	---	---	13	
0010	147+22	-	---	'WB82'	LT	2D	5	---	---	10	
0010	10+93	-	---	'NEBP'	LT	2D	5	---	---	10	
0010	980+14	-	---	'C'	LT	2E	5	---	---	10	
0010	154+17	-	---	'WB82'	LT	2E	4	---	---	8	
						STAGE 2 SUBTOTAL	52	10	28	107	
STAGE 3											
0010	978+70	-	979+14	'WBT'	LT	3A	---	61	119	---	RIPRAP DITCH
0010	1010+42	-	---	'WBT'	LT	3A	4	---	---	14	
0010	1019+07	-	---	'WBT'	LT	3A	4	---	---	14	
0010	1021+13	-	---	'WBT'	LT	3A	4	---	---	14	
0010	978+70	-	979+14	'WB'	LT	3	---	15	30	---	SUPPLEMENT RIPRAP DITCH
0010	996+96	-	---	'WB'	LT	3	---	9	23	---	
0010	1002+14	-	---	'WB'	LT	3	3	---	---	10	
0010	1002+27	-	---	'WB'	LT	3	---	6	16	---	
0010	1024+25	-	---	'WB'	LT	3	4	---	---	14	
0010	1027+64	-	---	'WB'	LT	3	3	---	---	11	
						STAGE 3 SUBTOTAL	22	91	188	77	
STAGE 4											
0010	950+91	-	---	'WB'	RT	4	7	---	---	22	CONCRETE SURFACE DRAIN FLUME
0010	985+31	-	---	'EB'	LT	4	4	---	---	12	CONCRETE SURFACE DRAIN FLUME
0010	985+62	-	---	'WB'	RT	4	7	---	---	21	CONCRETE SURFACE DRAIN FLUME
0010	1011+64	-	---	'EB'	LT	4	6	---	---	19	CONCRETE SURFACE DRAIN FLUME
0010	1011+72	-	---	'WB'	RT	4	6	---	---	19	CONCRETE SURFACE DRAIN FLUME
						STAGE 4 SUBTOTAL	30	0	0	93	
						TOTAL 0010	104	101	216	277	
						PROJECT TOTAL	104	101	216	277	

STORM SEWER PIPE

CATEGORY	FROM		TO	STAGE	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.2319 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH LF	608.2324 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE %
STAGE 2															
0010	23.1	-	23.0	2A	---	---	---	---	---	54	---	---	893.63	892.56	2.00%
0010	26.CC	-	26.1	2A	---	---	---	---	39	---	---	---	898.49	898.27	0.58%
0010	28.1	-	28.0	2A	---	---	---	---	---	75	---	---	898.02	897.26	1.00%
0010	16.1	-	16.0	2A	---	---	---	---	46	---	---	---	866.98	864.39	5.56%
0010	15.3	-	15.2	2B	---	---	10	---	---	---	---	---	868.51	868.46	0.50%
0010	15.2	-	15.1	2B	---	---	37	---	---	---	---	---	868.46	868.27	0.50%
0010	15.1	-	15.0	2B	---	---	43	---	---	---	---	---	868.27	867.84	1.00%
0010	6.1	-	6.0	2B	---	---	19	---	---	---	---	---	866.38	866.28	0.50%
0010	6.4	-	6.0	2B	---	---	62	---	---	---	---	---	866.52	866.28	0.39%
0010	6.0	-	5.1	2B	---	---	---	---	---	195	---	---	866.03	864.81	0.63%
0010	5.1	-	5.0	2A	---	---	---	---	---	24	---	---	864.81	864.69	0.50%
0010	CONST STAGE	-	5.0	2B	---	---	---	11	---	---	---	---	865.74	865.69	0.50%
0010	5.0	-	4.0	2B	---	---	---	---	---	166	---	---	864.69	863.65	0.63%
0010	4.1	-	4.0	2B	---	---	---	---	---	55	---	---	864.08	863.65	0.78%
0010	4.0	-	3.0	2B	---	---	---	---	---	114	---	---	863.65	862.79	0.75%
0010	3.1	-	3.0	2B	---	---	10	---	---	---	---	---	864.09	864.04	0.50%
0010	3.3	-	3.2	2B	---	---	10	---	---	---	---	---	864.14	864.09	0.50%
0010	3.4	-	3.2	2B	---	---	10	---	---	---	---	---	864.14	864.09	0.50%
0010	3.2	-	3.0	2B	---	---	10	---	---	---	---	---	864.09	864.04	0.50%
0010	3.0	-	1.2	2B	---	---	---	---	---	319	---	---	862.79	861.58	0.38%
0010	1.2	-	1.1	2B	---	---	---	---	---	---	124	---	861.58	861.33	0.20%
0010	1.3	-	1.1	2B	---	---	---	---	---	31	---	---	861.40	861.33	0.24%
0010	1.1	-	1.1A	2B	---	---	---	---	---	34	---	---	861.33	861.25	0.24%
0010	1.1A	-	1.0	2B	---	---	---	---	---	93	---	---	861.25	861.02	0.24%
0010	10.2	-	10.1	2B	---	---	30	---	---	---	---	---	865.20	864.90	1.00%
0010	CONST STAGE	-	8.1	2C	---	---	---	---	---	---	---	46	861.69	861.46	0.50%
0010	8.1	-	8.0	2C	---	---	---	---	---	---	---	101	861.46	861.04	0.42%
0010	CONST STAGE	-	9.1	2C	---	---	---	---	---	---	---	25	862.74	862.38	1.50%
0010	9.1	-	9.0	2C	---	---	---	---	---	---	---	89	862.38	861.49	1.00%
0010	10.0	-	9.1	2C	---	---	---	---	---	33	---	---	863.71	863.38	1.00%
0010	10.1	-	10.0	2C	---	---	---	20	---	`	---	---	864.65	864.46	1.00%
0010	16.2	-	16.1	2C	---	---	---	---	61	---	---	---	870.73	866.98	6.19%
0010	6.3	-	6.2	2D	---	---	22	---	---	---	---	---	866.53	866.42	0.50%
0010	6.2	-	6.1	2D	---	---	9	---	---	---	---	---	866.42	866.38	0.50%
0010	5.3	-	5.2	2D	---	---	23	---	---	---	---	---	865.89	865.78	0.50%
0010	5.2	-	CONST STAGE	2D	---	---	7	---	---	---	---	---	865.78	865.74	0.50%
0010	7.1	-	7.0	2D	---	---	36	---	---	---	---	---	867.37	867.19	0.50%
0010	2.8	-	2.7	2D	---	---	---	---	---	87	---	---	863.64	863.47	0.20%
0010	2.7	-	2.2	2D	---	---	---	---	---	123	---	---	863.47	863.22	0.20%
0010	2.2	-	2.1	2D	---	---	---	---	---	175	---	---	863.22	862.80	0.24%
0010	2.1	-	2.0	2D	---	---	---	---	---	50	---	---	862.80	862.68	0.24%
0010	2.6	-	2.2	2D	---	---	9	---	---	---	---	---	864.27	864.22	0.50%
0010	2.4	-	2.3	2D	---	---	10	---	---	---	---	---	864.32	864.27	0.50%
0010	2.5	-	2.3	2D	---	---	10	---	---	---	---	---	864.32	864.27	0.50%
0010	2.3	-	2.2	2D	---	---	10	---	---	---	---	---	864.27	864.22	0.50%
0010	9.4	-	9.3	2D	---	---	---	---	---	---	---	27	864.77	864.10	2.51%
0010	9.3	-	9.2	2D	---	---	---	---	---	---	---	48	864.10	863.43	1.39%

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STORM SEWER PIPE

CATEGORY	FROM		TO	STAGE	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.2319 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH LF	608.2324 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE %
0010	9.3	-	9.2	2D	---	---	---	---	---	---	---	48	864.10	863.43	1.39%
0010	9.2	-	CONST STAGE	2D	---	---	---	---	---	---	---	46	863.43	862.74	1.50%
0010	9.5	-	9.2	2D	---	---	6	---	---	---	---	---	864.49	864.43	1.00%
0010	10.4	-	10.3	2D	---	---	---	---	52	---	---	---	864.92	864.40	1.00%
0010	10.3	-	10.0	2D	---	---	---	---	14	---	---	---	864.40	864.21	1.00%
0010	T18.1	-	T18.0	2D	---	---	---	---	---	45	---	---	878.04	877.59	1.00%
0010	8.3	-	8.2	2E	---	---	---	---	---	---	---	83	862.42	862.00	0.50%
0010	8.2	-	CONST STAGE	2E	---	---	---	---	---	---	---	63	862.00	861.69	0.50%
				STAGE 2 SUBTOTAL	0	0	394	20	212	1,673	124	528			
STAGE 3															
0010	17.1	-	17.0	3B	---	---	---	---	68	---	---	---	864.84	863.53	1.96%
0010	35.2	-	35.1	3B	1	19	---	---	---	---	---	---	859.01	858.94	0.38%
0010	35.1	-	35.0	3B	---	7	---	---	---	---	---	---	858.94	858.91	0.38%
0010	37.1	-	37.0	3B	---	---	---	---	74	---	---	---	864.47	861.74	3.74%
0010	39.1	-	39.0	3B	---	---	---	---	---	67	---	---	862.66	862.00	1.00%
0010	CONST LIMIT	-	43	3B	---	---	---	---	---	79	---	---	865.91	864.54	1.76%
0010	44.1	-	44	3B	---	---	---	---	---	72	---	---	867.35	865.09	3.22%
0010	48.1	-	48.0	3B	2	---	---	---	56	---	---	---	871.67	870.16	2.76%
				STAGE 3 SUBTOTAL	3	26	0	0	198	218	0	0			
STAGE 4															
0010	23.2	-	23.1	4	1	---	---	---	---	16	---	---	893.94	893.63	2.00%
0010	26.2	-	26.1	4	1	---	---	---	15	---	---	---	898.58	898.49	0.58%
0010	28.2	-	28.1	4	1	---	---	---	---	18	---	---	898.20	898.02	1.00%
0010	30.3	-	30.2	4	1	---	---	---	20	---	---	---	899.81	899.70	0.60%
0010	31.2	-	EX31.1	4	1	---	---	---	19	---	---	---	890.67	890.49	0.97%
0010	32.3	-	32.2	4	1	---	---	---	22	---	---	---	886.61	886.46	0.69%
0010	37.2	-	37.1	4	1	---	---	---	11	---	---	---	864.55	864.47	0.76%
0010	39.2	-	39.1	4	1	---	---	---	---	21	---	---	862.88	862.66	1.00%
0010	43.1	-	CONST LIMIT	4	---	---	---	---	---	24	---	---	866.35	865.91	1.76%
0010	43.2	-	43.1	4	---	---	---	---	69	---	---	---	867.54	866.85	1.00%
0010	44.2	-	44.1	4	1	---	---	---	30	---	---	---	868.33	867.35	3.28%
0010	48.2	-	48.1	4	1	---	---	---	14	---	---	---	872.14	871.67	3.50%
				STAGE 4 SUBTOTAL	10	0	0	0	200	79	0	0			
				TOTAL 0010	13	26	394	20	610	1,970	124	528			

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STORM SEWER PIPE

CATEGORY	FROM		TO	STAGE	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.2319 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH LF	608.2324 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE %
STAGE 2															
0080	14.3	-	14.2	2B	---	---	35	---	---	---	---	---	873.38	873.20	0.50%
0080	11.2	-	11.1	2B	---	---	15	---	---	---	---	---	871.39	871.31	0.50%
0080	11.1	-	11.0	2B	---	---	80	---	---	---	---	---	871.31	870.91	0.50%
0080	12.2	-	12.1	2B	---	---	10	---	---	---	---	---	871.14	871.09	0.50%
0080	13.1	-	13	2B	1	---	6	---	---	---	---	---	872.31	872.29	0.33%
0080	14.2	-	14.1	2D	---	---	10	---	---	---	---	---	873.20	873.15	0.50%
0080	14.1	-	14	2D	---	---	65	---	---	---	---	---	873.15	872.83	0.50%
0080	11.3	-	11.1	2D	---	---	20	---	---	---	---	---	871.40	871.31	0.44%
0080	12.1	-	12	2D	---	---	85	---	---	---	---	---	871.23	870.80	0.50%
0080	13.1	-	13.2	2D	---	---	10	---	---	---	---	---	872.36	872.31	0.50%
				STAGE 2 SUBTOTAL	1	0	336	0	0	0	0	0			
				TOTAL 0080	1	0	336	0	0	0	0	0			
				PROJECT TOTAL	14	26	730	20	610	1970	124	528			

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER PIPE CLASS III-A AND COMPOSITE

CATEGORY	STATION	TO	STATION	LOCATION	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	608.3012 STORM SEWER PIPE CLASS III-A 12-INCH LF	608.3015 STORM SEWER PIPE CLASS III-A 15-INCH LF	608.6015 STORM SEWER PIPE COMPOSITE 15-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE %
STAGE 2A											
0010	T1.5	-	28.1	2A	---	---	---	50	902.88	900.02	5.89%
0010	T7.11	-	T7.10	2A	---	---	---	54	866.32	864.60	3.23%
0010	T7.10	-	EX7.5	2A	---	---	176	---	862.06	861.34	0.41%
0010	T7.15	-	EX7.8	2A	---	---	10	---	865.06	864.91	1.73%
				STAGE 2A SUBTOTAL	0	0	186	104			
STAGE 3B											
0010	T1.7	-	EX1.2	3B	---	---	---	36	902.73	900.56	6.05%
0010	T2.5	-	EX2.2	3B	---	---	---	5	901.40	901.35	1.00%
0010	T2.10	-	T2.9	3B	---	---	---	32	902.70	902.60	0.30%
0010	T2.9	-	EX2.1	3B	---	---	350	---	901.14	901.20	0.34%
0010	T7.16	-	EX7.2	3B	---	---	---	45	867.53	863.84	8.24%
0010	T7.18	-	EX7.4	3B	---	272	---	---	869.50	867.14	0.87%
0010	39.1	-	EX	3B	1	8	---	---	865.47	865.39	0.95%
0010	EX	-	39.1	3B	1	8	---	---	865.55	865.47	0.95%
				STAGE 3B SUBTOTAL	2	288	350	118			
				TOTAL 0010	2	288	536	222			

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

RECONSTRUCTING AND ADJUSTING STORM SEWER STRUCTURES

CATEGORY	STATION	ALIGNMENT	LOCATION	STAGE	611.0420 RECONSTRUCTING MANHOLES EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	REMARKS
STAGE 2								
0010	11+15	'SWBP'	57' RT	2B	---	1	---	SANITARY SEWER
0010	152+27	'EB82'	39' RT	2B	---	1	---	SANITARY SEWER
0010	10+17	'ERAB'	24' RT	2C	---	1	---	SANITARY SEWER
0010	13+00	'ERAB'	5' LT	2F	1	---	---	SANITARY SEWER
0010	11+10	'WRAB'	30' RT	2G	1	---	---	SANITARY SEWER
0010	142+77	'EB82'	103' RT	2G	---	1	---	SANITARY SEWER
0010	144+87	'EB82'	31' RT	2G	---	1	---	SANITARY SEWER
0010	147+34	'EB82'	30' RT	2G	---	1	---	SANITARY SEWER
				STAGE 2 SUBTOTAL	2	6	0	
STAGE 3								
0010	22+54	G'	17' LT	3A	---	---	1	STORM SEWER STRUCTURE 49.3
0010	22+54	G'	16' RT	3A	---	---	1	STORM SEWER STRUCTURE 49.1
0010	22+55	G'	4.5' RT	3A	---	1	---	STORM SEWER STRUCTURE 49.0
0010	22+64	G'	16' RT	3A	---	---	1	STORM SEWER STRUCTURE 49.2
0010	22+64	G'	17' LT	3A	---	---	1	STORM SEWER STRUCTURE 49.4
				STAGE 3 SUBTOTAL	0	1	4	
				TOTAL 0010	2	7	4	
STAGE 2								
0080	155+72	'EB82'	37' RT	2B	---	1	---	SANITARY SEWER
0080	155+81	'WB82'	37' LT	2D	---	1	---	SANITARY SEWER
0080	158+45	'WB82'	33' LT	2D	---	1	---	SANITARY SEWER
0080	5+50	'CM'	43' RT	2D	---	1	---	STORM SEWER STRUCTURE 12.0
0080	5+67	'CM'	27' RT	2D	---	---	1	STORM SEWER STRUCTURE 12.4
0080	5+67	'CM'	35' LT	2D	---	---	1	STORM SEWER STRUCTURE 12.5
				STAGE 2 SUBTOTAL	0	4	2	
				TOTAL 0080	0	4	2	
				PROJECT TOTAL	2	11	6	

STORM SEWER APRON ENDWALLS

CATEGORY	STRUCTURE	STATION	ALIGNMENT	** OFFSET	LOCATION	STAGE	* 521.1518 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 6 TO 1 EACH	* 521.1521 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 21-INCH 6 TO 1 EACH	* 521.1524 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 6 TO 1 EACH	* 522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	* 522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	* 522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH EACH	611.9800.S PIPE GRATES EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	*** INVERT ELEVATION
STAGE 2																	
0010	28.0	958+44	'EB'	65.8'	RT	2	---	---	---	---	---	1	---	---	---	1	897.26
0010	23.0	947+52	'EB'	46.7'	RT	2A	---	---	---	---	---	1	---	---	---	1	892.56
0010	16.0	991+06	'D'	20.0'	RT	2A	---	---	---	---	1	---	---	---	---	1	864.39
0010	15	10+38	'SWBP'	65.4'	RT	2B	---	---	---	1	---	---	---	---	---	1	867.84
0010	4.1	144+13	'EB82'	59.4'	RT	2B	---	---	---	---	---	1	---	---	---	1	864.05
0010	1.3	987+00	'A'	89.5'	RT	2B	---	---	---	---	---	1	---	---	---	1	861.40
0010	1	13+88	'ERAB'	92.2'	RT	2C	---	---	---	---	---	1	---	---	---	1	861.02
0010	8	10+03	'ERAB'	83.3'	RT	2C	---	---	---	---	---	---	---	1	1	1	861.04
0010	9	150+15	'EB82'	72.9'	RT	2C	---	---	---	---	---	---	---	1	1	1	861.49
0010	16.2	991+13	'D'	11.4'	LT	2C	1	---	---	---	---	---	---	---	---	1	870.73
0010	7	13+40	'WRAB'	65.5'	RT	2D	---	---	---	1	---	---	---	---	---	1	867.19
0010	2	147+22	'WB82'	52.7'	LT	2D	---	---	---	---	---	1	---	---	---	1	862.68
0010	2.8	143+32	'WB82'	55.6'	LT	2D	---	---	---	---	---	1	---	---	---	1	863.64
0010	9.4	985+82	'B'	40.6'	LT	2D	---	---	---	---	---	---	---	1	1	1	864.77
0010	T18.0	980+00	'B'	19.2'	LT	2D	---	---	---	---	---	1	---	---	---	1	877.59
0010	8.3	148+11	'WB82'	60.4'	LT	2E	---	---	---	---	---	---	---	1	1	1	862.42
						STAGE 2 SUBTOTAL	1	0	0	2	1	8	0	4	4	16	
STAGE 3																	
0010	35.0	996+81	'A'	34.0'	LT	3	---	---	---	---	---	---	1	---	1	1	858.91
0010	37.0	1002+14	'WB'	63.7'	LT	3	---	---	---	---	1	---	---	---	---	1	861.74
0010	38.0	1002+28	'WB'	70.8'	LT	3	---	---	---	---	---	---	1	---	---	1	858.83
0010	39.0	1006+75	'WB'	51.2'	LT	3	---	---	---	---	---	1	---	---	---	1	862.56
0010	43.0	1015+25	'WB'	54.5'	LT	3	---	---	---	---	---	1	---	---	---	1	864.54
0010	44.0	1019+07	'WB'	51.5'	LT	3	---	---	---	---	---	1	---	---	---	1	865.09
0010	48.0	1027+66	'WB'	46.4'	LT	3	---	---	---	---	1	---	---	---	---	1	870.16
0010	17.0	993+50	'A'	0+34	LT	3A	---	---	---	---	1	---	---	---	---	1	863.53
						STAGE 3 SUBTOTAL	0	0	0	0	3	3	2	0	1	8	
STAGE 4																	
0010	22.0	945+13	'EB'	24.4'	LT	4	---	1	---	---	---	---	---	---	---	1	
0010	23.2	947+52	'EB'	22.5'	LT	4	---	---	1	---	---	---	---	---	---	1	893.94
0010	16.2	991+13	'EB'	11.4'	LT	4	1	---	---	---	---	---	---	---	---	1	870.73
0010	37.2	1002+14	'WB'	20.3'	RT	4	1	---	---	---	---	---	---	---	---	1	864.55
0010	48.2	1027+63	'WB'	21.8'	RT	4	1	---	---	---	---	---	---	---	---	1	872.14
						STAGE 4 SUBTOTAL	3	1	1	0	0	0	0	0	0	5	
						TOTAL 0010	4	1	1	2	4	11	2	4	5	29	
STAGE 2																	
0080	14	135+50	'WB82'	63.4'	LT	2D	---	---	---	1	---	---	---	---	---	1	872.83
						STAGE 2 SUBTOTAL	0	0	0	1	0	0	0	0	0	1	
						TOTAL 0080	0	0	0	1	0	0	0	0	0	1	
						PROJECT TOTAL	4	1	1	3	4	11	2	4	5	30	

REMARKS:
*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

STORM SEWER MANHOLES AND MEDIAN INLETS

CATEGORY	STRUCTURE	STATION	ALIGNMENT	** OFFSET	LOCATION	STAGE	611.0530 * MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0636 * INLET COVERS TYPE HM-S EACH	611.0639 * INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000 * CONSTRUCTION STAKING STORM SEWER EACH	*** RIM ELEVATION	**** INVERT ELEVATION	***** DEPTH FT
STAGE 2																			
0010	23.1	947+52	'EB'	6.9'	LT	2A	---	---	---	---	---	---	---	1	---	1	897.29	893.63	3.41
0010	28.1	958+44	'EB'	9.7'	LT	2A	---	---	---	---	1	---	---	1	---	1	902.99	898.02	4.72
0010	T7.10	36+03	'X5'	22.4'	LT	2A	---	---	---	---	1	---	---	1	---	1	867.10	861.50	5.79
0010	T7.15	43+42	'X5'	6.5'	RT	2A	---	---	---	---	1	---	---	1	---	1	868.40	862.06	6.53
0010	16.1	991+11	'D'	25.5'	LT	2A	---	---	---	---	1	---	---	1	---	1	874.45	866.98	7.68
0010	6.0	140+26	'EB82'	17.9'	RT	2B	---	---	1	---	---	---	1	---	---	1	870.65	866.03	3.87
0010	4.0	144+14	'EB82'	8.0'	RT	2B	1	---	---	---	---	1	---	---	---	1	868.73	863.65	4.09
0010	3.0	145+27	'EB82'	8.0'	RT	2B	1	---	---	---	---	1	---	---	---	1	868.18	862.79	4.40
0010	1.1A	986+97	'A'	25.5'	LT	2B	---	1	---	---	---	1	---	---	---	1	870.96	861.25	8.73
0010	1.1	986+98	'A'	60.0'	RT	2B	1	---	---	---	---	---	1	---	---	1	868.66	861.33	6.34
0010	1.2	12+50	'ERAB'	7.0'	RT	2B	1	---	---	---	---	1	---	---	---	1	870.00	861.58	7.43
0010	8.1	10+24	'ERAB'	13.2'	LT	2C	1	---	---	---	---	---	1	---	---	1	871.41	861.54	8.94
0010	9.1	150+17	'EB82'	16.1'	LT	2C	1	---	---	---	---	---	1	---	---	1	871.80	862.38	8.50
0010	10.0	150+38	'WB82'	1.5'	RT	2C	---	---	---	1	---	1	---	---	---	1	870.44	864.21	5.48
0010	2.1	147+00	'WB82'	8.0'	LT	2D	1	---	---	---	---	1	---	---	---	1	868.96	862.80	5.17
0010	2.2	145+25	'WB82'	8.0'	LT	2D	1	---	---	---	---	1	---	---	---	1	868.18	863.22	3.97
0010	2.7	144+02	'WB82'	8.0'	LT	2D	1	---	---	---	---	1	---	---	---	1	868.80	863.47	4.34
0010	9.2	10+07	'NEBP'	6.9'	RT	2D	1	---	---	---	---	---	1	---	---	1	870.88	864.43	5.52
0010	9.3	11+16	'ERAB'	64.7'	RT	2D	1	---	---	---	---	---	1	---	---	1	870.26	864.10	5.23
0010	T18.1	980+00	'B'	25.6'	RT	2D	---	---	---	---	1	---	---	1	---	1	880.54	878.04	2.75
0010	8.2	11+98	'ERAB'	1.7'	LT	2E	---	---	---	---	---	---	1	---	---	1	869.46	862.00	7.02
						STAGE 2 SUBTOTAL	11	1	1	1	5	8	7	6	0	21			
STAGE 3																			
0010	35.1	996+78	'A'	27.7'	LT	3B	1	---	---	---	---	1	---	---	---	1	864.29	858.94	4.40
0010	T2.5	26+77	'X7'	7.6'	RT	3B	---	---	---	---	1	---	---	---	---	1	904.95	901.40	3.74
0010	T2.7	28+27	'X7'	9.1'	RT	3B	---	---	---	---	1	---	---	---	---	1	905.09	899.91	5.37
0010	T2.9	31+76	'X7'	23.56'	RT	3B	---	---	---	---	1	---	---	1	---	1	904.40	901.13	3.46
0010	39.1 XO	1006+75	'WB'	15.4'	RT	3B	---	---	---	---	1	---	---	1	---	1	867.98	863.27	4.96
0010	T7.18	43+10	'X8'	5.1'	LT	3B	---	---	---	---	1	---	---	1	---	1	870.75	868.75	2.19
0010	17.1	993+50	'A'	33.6'	RT	3B	---	---	---	---	1	---	---	1	---	1	868.22	864.84	3.59
						STAGE 3 SUBTOTAL	1	0	0	0	6	1	0	4	0	7			
STAGE 4																			
0010	23.1	947+52	'EB'	6.9'	LT	4	---	---	---	---	1	---	---	1	---	1	897.29	893.63	3.91
0010	26.2	953+12	'EB'	24.9'	LT	4	---	---	---	---	2	---	---	---	1	1	900.29	898.29	2.21
0010	28.2	958+44	'EB'	27.8'	LT	4	---	---	---	---	2	---	---	---	1	1	900.93	898.20	2.92
0010	30.3	963+01	'EB'	28.8'	LT	4	---	---	---	---	2	---	---	---	1	1	901.88	899.61	2.48
0010	31.2	976+37	'EB'	33.1'	LT	4	---	---	---	---	1	---	---	1	---	1	892.59	890.59	2.21
0010	32.3	982+10	'EB'	43.6'	LT	4	---	---	---	---	2	---	---	---	1	1	888.93	886.61	2.53
0010	39.1	1006+75	'WB'	11.2'	RT	4	---	---	---	---	1	---	---	1	---	1	867.98	864.27	3.96
0010	39.2	1006+75	'WB'	31.7'	RT	4	---	---	---	---	1	---	---	1	---	1	866.28	864.48	2.05
0010	43.1	r	WB'	48.1'	RT	4	---	---	---	---	2	---	---	---	1	1	869.53	866.35	3.43
0010	43.2	1015+94	'WB'	49.5'	RT	4	---	---	---	---	1	---	---	1	---	1	869.55	867.54	2.22
0010	44.2	1019+08	'WB'	48.4'	RT	4	---	---	---	---	1	---	---	1	---	1	870.31	868.04	2.52
						STAGE 4 SUBTOTAL	0	0	0	0	16	0	0	6	5	11			
						TOTAL 0010	12	1	1	1	27	9	7	16	5	39			

REMARKS:
*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
***RIM ELEV IS AT THE INLET COVER FLANGE LOCATION
****FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
*****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT + PIPE WALL THICKNESS (IF NO SUMP)

STORM SEWER INLETS

CATEGORY	STRUCTURE	STATION	ALIGNMENT	** OFFSET	LOCATION	STAGE	611.0624 * INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0636 * INLET COVERS TYPE HM-S EACH	611.0639 * INLET COVERS TYPE H-S EACH	611.0652 INLET COVERS TYPE T EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2X2.5-FT EACH	611.3230 INLETS 2X3-FT EACH	650.4000 * CONSTRUCTION STAKING STORM SEWER EACH	*** RIM ELEVATION	**** INVERT ELEVATION	***** DEPTH FT
STAGE 2																		
0010	15.1	10+35	'SWBP'	22.6'	RT	2B	1	---	---	---	---	---	---	1	1	872.18	868.27	3.08
0010	15.2	138+75	'EB82'	1.5'	LT	2B	1	---	---	---	---	---	---	1	1	872.89	868.46	3.60
0010	15.3	138+72	'WB82'	1.5'	RT	2B	1	---	---	---	---	---	---	1	1	872.89	868.51	3.55
0010	6.1	140+22	'EB82'	1.5'	LT	2B	1	---	---	---	---	---	---	1	1	870.98	866.38	3.77
0010	6.4	12+16	'SWBP'	17.5'	RT	2B	---	---	---	1	---	---	---	1	1	870.34	866.52	2.99
0010	5.0	11+85	'WRAB'	21.5'	RT	2B	1	---	---	---	---	1	---	---	1	869.86	864.69	4.67
0010	5.1	11+80	'WRAB'	1.7'	LT	2B	---	---	---	---	1	1	---	---	1	869.75	864.81	4.19
0010	3.1	145+27	'EB82'	1.5'	LT	2B	---	---	---	1	---	---	---	1	1	868.18	864.09	3.26
0010	3.2	145+27	'EB82'	17.5'	RT	2B	---	---	---	1	---	---	---	1	1	867.86	864.09	2.94
0010	3.3	145+17	'EB82'	17.5'	RT	2B	---	---	---	1	---	---	---	1	1	867.87	864.14	2.90
0010	3.4	145+37	'EB82'	17.5'	RT	2B	---	---	---	1	---	---	---	1	1	867.87	864.14	2.90
0010	10.1	150+52	'EB82'	1.5'	LT	2B	---	---	---	1	---	---	---	1	1	870.61	864.65	5.15
0010	10.2	150+65	'EB82'	25.7'	RT	2B	---	---	1	---	---	1	---	---	1	870.14	865.20	4.11
0010	6.2	140+22	'WB82'	1.5'	RT	2D	---	---	---	1	---	---	---	1	1	870.91	866.42	3.66
0010	6.3	140+25	'WB82'	20.7'	LT	2D	---	---	---	1	---	---	---	1	1	870.53	866.53	3.17
0010	5.2	11+98	'WRAB'	21.5'	RT	2D	---	---	---	1	---	---	---	1	1	869.85	865.78	3.24
0010	5.3	11+98	'WRAB'	1.7'	LT	2D	---	---	---	---	1	---	1	---	1	869.72	865.89	3.00
0010	7.1	13+27	'WRAB'	38.4'	RT	2D	---	---	1	---	---	---	---	1	1	870.62	867.37	2.42
0010	2.3	145+25	'WB82'	17.5'	LT	2D	---	---	---	1	---	---	---	1	1	867.86	864.27	2.76
0010	2.4	145+35	'WB82'	17.5'	LT	2D	---	---	---	1	---	---	---	1	1	867.87	864.32	2.72
0010	2.5	145+15	'WB82'	17.5'	LT	2D	---	---	---	1	---	---	---	1	1	867.87	864.32	2.72
0010	2.6	145+25	'WB82'	1.5'	RT	2D	---	---	---	1	---	---	---	1	1	868.18	864.27	3.08
0010	9.5	10+96	'ERAB'	27.8'	RT	2D	---	1	---	---	---	---	---	1	1	870.25	864.49	4.93
0010	10.3	150+40	'WR82'	18.2'	LT	2D	---	---	1	---	---	1	---	---	1	870.12	864.40	4.93
0010	10.4	10+41	'NEBP'	17.5'	LT	2D	---	---	1	---	---	1	---	---	1	869.56	864.92	3.85
						STAGE 2 SUBTOTAL	5	1	4	13	2	5	1	19	25			
						TOTAL 0010	5	1	4	13	2	5	1	19	25			
STAGE 2																		
0080	14.3	135+50	'EB82'	33.5'	RT	2B	1	---	---	---	---	---	---	1	1	876.49	873.38	2.28
0080	14.2	135+51	'EB82'	1.5'	LT	2B	1	---	---	---	---	---	---	1	1	877.12	873.20	3.09
0080	11.1	154+67	'EB82'	17.5'	LT	2B	---	1	---	---	---	1	---	---	1	874.24	871.31	2.10
0080	11.2	154+54	'EB82'	25.7'	LT	2B	---	---	1	---	---	---	---	1	1	873.98	871.39	1.76
0080	12.1	159+18	'WB82'	26.6'	RT	2B	---	---	1	---	---	---	---	1	1	875.08	871.23	3.02
0080	12.2	159+22	'EB82'	5.5'	LT	2B	---	---	1	---	---	---	---	1	1	875.54	871.38	3.33
0080	13.1	162+28	'EB82'	12.0'	LT	2B	---	1	---	---	---	---	---	1	1	874.80	872.31	1.66
0080	14.1	135+50	'WB82'	1.5'	RT	2D	1	---	---	---	---	---	---	1	1	877.12	873.15	3.14
0080	11.3	154+69	'WB82'	5.5'	RT	2D	1	---	---	---	---	---	---	1	1	874.16	871.40	1.93
0080	13.2	162+24	'WB82'	19.5'	RT	2D	---	1	---	---	---	---	---	1	1	875.11	872.36	1.92
						STAGE 2 SUBTOTAL	4	3	3	0	0	1	0	9	10			
						TOTAL 0080	4	3	3	0	0	1	0	9	10			
						PROJECT TOTAL	9	4	7	13	2	6	1	28	35			

REMARKS:
*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
***RIM ELEV IS AT THE INLET COVER FLANGE LOCATION
****FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
*****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT + PIPE WALL THICKNESS (IF NO SUMP)

COVER PLATES TEMPORARY

CATEGORY	STRUCTURE	STATION	ALIGNMENT	LOCATION	STAGE	611.8120.S COVER PLATES TEMPORARY EACH	SPV.0060.16 SPECIAL (16. INLET COVERS FLAT TEMPORARY) EACH
STAGE 2							
0010	23.1	947+52	EB'	LT	2A	1	---
0010	28.1	958+44	EB'	LT	2A	1	---
0010	EX2.3	960+50	T'	RT	2A	1	---
0010	EX2.0	963+00	T'	RT	2A	1	---
0010	EX7.5	1002+35	T'	RT	2A	1	---
0010	EX7.6	1004+00	T'	RT	2A	1	---
0010	EX7.7	1005+00	T'	RT	2A	1	---
0010	EX7.8	1008+00	T'	RT	2A	1	---
0010	16.1	991+16	D'	LT	2A	1	---
0010	15.2	138+75	'EB82'	LT	2B	1	---
0010	15.3	138+72	WB82'	RT	2B	1	---
0010	6.1	140+24	'EB82'	LT	2B	1	---
0010	6.0	140+26	'EB82'	RT	2B	1	---
0010	EX SAN MH	11+10	'WRAB'	RT	2B	1	---
0010	5.0	11+85	'WRAB'	RT	2B	1	---
0010	5.1	11+80	'WRAB'	LT	2B	---	1
0010	EX SAN MH	144+87	'EB82'	RT	2B	1	---
0010	3.2	145+27	'EB82'	RT	2B	---	1
0010	3.3	145+17	'EB82'	RT	2B	---	1
0010	3.4	145+37	'EB82'	RT	2B	---	1
0010	EX SAN MH	147+34	'EB82'	RT	2B	1	---
0010	EX SAN MH	13+00	'ERAB'	LT	2B	1	---
0010	1.1	986+98	A'	LT	2B	1	---
0010	1.1A	986+97	A'	LT	2B	---	1
0010	8.1	10+24	'ERAB'	LT	2C	1	---
0010	9.1	150+17	'EB82'	LT	2C	1	---
0010	10	150+38	'WB82'	RT	2C	1	---
0010	10.1	150+52	'EB82'	LT	2C	1	---
0010	9.2	10+07	'NEBP'	RT	2D	1	---
0010	9.5	10+96	'ERAB'	RT	2D	1	---
					STAGE 2 SUBTOTAL	25	5
STAGE 3							
0010	EX1.2	956+00	'T'	LT	3B	1	---
0010	EX1.3	958+00	'T'	LT	3B	1	---
0010	T2.5	26+77	'X7'	RT	3B	1	---
0010	EX2.2	961+50	'T'	LT	3B	1	---
0010	T2.7	28+27	'X7'	RT	3B	1	---
0010	EX2.1	963+00	'T'	LT	3B	1	---
0010	EX7.2	1004+00	'T'	LT	3B	1	---
0010	EX7.3	1006+00	'T'	LT	3B	1	---
0010	39.1	1006+75	'WB'	RT	3B	1	---
0010	EX7.4	1008+50	'T'	LT	3B	1	---
					STAGE 3 SUBTOTAL	10	0
					TOTAL 0010	35	5

CONTINUED IN NEXT COLUMN

CONTINUED FROM PREVIOUS COLUMN

COVER PLATES TEMPORARY

CATEGORY	STRUCTURE	STATION	ALIGNMENT	LOCATION	STAGE	611.8120.S COVER PLATES TEMPORARY EACH	SPV.0060.16 SPECIAL (16. INLET COVERS FLAT TEMPORARY) EACH
STAGE 2							
0080	EX UTL MH	131+82	'EXWB82'	RT	2A	1	---
0080	14.2	135+51	EB82'	LT	2B	1	---
0080	11.2	154+54	'EB82'	LT	2B	---	1
0080	11.1	154+67	EB82'	LT	2B	1	---
0080	12.1	159+22	'WB82'	RT	2B	---	1
0080	12.2	159+18	'EB82'	LT	2B	---	1
0080	11.3	154+69	WB82'	RT	2D	1	---
					STAGE 2 SUBTOTAL	4	3
					TOTAL 0080	4	3
					PROJECT TOTAL	39	8

CABLE BARRIER

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	613.1100.S CABLE BARRIER TYPE 1 LF	613.1200.S CABLE BARRIER END TERMINAL TYPE 1 EACH
STAGE 4							
0010	936+59	-	948+51	'EB'	LT	1,192	2
0010	954+29	-	979+76	'EB'	LT	2,549	2
0010	987+70	-	1011+60	WB'	RT	2,391	2
					TOTAL 0010	6,132	6

FENCE WOVEN WIRE

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	616.0100.01 FENCE WOVEN WIRE (HEIGHT) (01. 4-FT) LF
STAGE 2						
0010	950+45	-	950+90	'EB'	RT	70
0010	981+62	-	988+83	'D'	RT	734
0010	1008+33	-	1012+19	'EB'	RT	416
0010	1014+33	-	1025+87	'EB'	RT	1,178
					STAGE 2 SUBTOTAL	2,398
STAGE 3						
0010	952+00	-	952+27	'WB'	LT	60
0010	953+45	-	955+66	'WB'	LT	252
0010	973+43	-	984+28	'B'	LT	1,104
0010	990+72	-	997+38	'A'	LT	668
0010	1014+60	-	1017+02	'WB'	LT	287
0010	1024+26	-	1025+89	'WB'	LT	162
					STAGE 3 SUBTOTAL	2,533
					TOTAL 0010	4,931

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GUARDRAIL ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	614.0400 ADJUSTING STEEL PLATE BEAM GUARD LF	614.1000 MGS GUARDRAIL TEMPORARY LF	614.1100 MGS GUARDRAIL TEMPORARY THRIE BEAM TRANSITION LF	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH	REMARKS
STAGE 2														
0010	947+03	-	950+97	'EB'	RT	2A	154.0	---	---	200.0	39.4	---	---	
0010	952+34	-	955+27	'EB'	RT	2A	---	---	---	250.0	39.4	---	1	
0010	965+68	-	967+71	'C'	RT	2A	---	---	---	150.0	---	1	1	
0010	972+73	-	974+14	'C'	RT	2A	---	---	---	87.5	---	1	1	
0010	975+62	-	981+91	'EB'	RT	2A	---	---	---	537.5	39.4	1	---	
0010	984+47	-	987+90	'EB'	RT	2A	---	---	---	312.5	39.4	---	1	
0010	990+07	-	992+61	'D'	RT	2A	---	---	---	200.0	---	1	1	
0010	1007+07	-	1012+00	'EB'	RT	2A	---	---	---	400.0	39.4	1	---	
0010	1014+50	-	1027+09	'EB'	RT	2A	---	---	---	1,225.0	39.4	---	1	
					STAGE 2 SUBTOTAL		154.0	0.0	0.0	3,362.5	236.4	5	6	
STAGE 3														
0010	951+00	-	951+80	'WB'	LT	3A	---	---	39.4	---	39.4	---	---	CONNECT TO TEMP BARRIER
0010	953+67	-	955+90	'WB'	LT	3A	---	---	---	187.5	39.4	---	---	
0010	955+90	-	959+44	'WBT'	LT	3A	---	350.0	---	---	---	---	---	
0010	982+90	-	983+11	'WB'	LT	3A	---	---	---	---	20.7	---	---	INSTALL TO POST 7. CONNECT TO TEMP BARRIER
0010	985+54	-	989+56	'WB'	LT	3A	---	---	---	362.5	39.4	---	---	
0010	989+56	-	989+94	'WBT'	LT	3A	---	---	39.4	---	---	---	---	
0010	1008+87	-	1009+26	'WBT'	LT	3A	---	---	39.4	---	---	---	---	
0010	1009+26	-	1012+28	'WB'	LT	3A	---	---	---	263	39	---	---	
0010	1014+78	-	1017+17	'WB'	LT	3A	---	---	---	200	39.4	1	---	
0010	1017+17	-	1019+31	'WBT'	LT	3A	---	212.5	---	---	---	1	---	
0010	955+90	-	960+22	'WB'	LT	3B	---	---	---	375	---	1	---	
0010	973+46	-	975+50	'B'	LT	3B	---	---	---	150.0	---	1	1	
0010	1006+02	-	1009+26	'WB'	LT	3B	---	---	---	325	---	---	1	
0010	1017+17	-	1028+28	'WB'	LT	3B	---	---	---	1,050	---	1	---	
0010	979+19	-	982+90	'WB'	LT	3C	---	---	---	362.5	18.8	---	1	INSTALL REMAINING THRIE BEAM
0010	989+56	-	989+94	'WB'	LT	3C	---	---	---	38	---	1	---	
					STAGE 3 SUBTOTAL		0.0	562.5	118.2	3,312.5	236.4	6	3	
STAGE 4														
0010	948+10	-	951+28	'EB'	LT	4	---	---	---	225	39.4	1	---	
0010	953+24	-	956+05	'WB'	RT	4	---	---	---	187.5	39.4	1	---	
0010	979+35	-	982+42	'EB'	LT	4	---	---	---	212.5	39.4	1	---	
0010	985+16	-	988+10	'WB'	RT	4	---	---	---	200	39.4	1	---	
0010	1010+16	-	1012+10	'EB'	LT	4	---	---	---	100	39.4	1	---	
0010	1014+68	-	1017+86	'WB'	RT	4	---	---	---	225	39.4	1	---	
					STAGE 4 SUBTOTAL		0.0	0.0	0.0	1,150.0	236.4	6	0	
					TOTAL 0010		154.0	562.5	118.2	7,825.0	709.2	17	9	

3

CRASH CUSHIONS

CATEGORY	ROADWAY	STATION	LOCATION	614.0905 CRASH CUSHIONS TEMPORARY EACH	BACK WIDTH FEET	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS	SPV.0060.08 SPECIAL (08. MAINTENANCE AND REMOVAL OF CRASH CUSHION BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS) EACH
STAGE 2A										
0010	IH 90/94 EB	939+49T	14' LT	1	4	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 EB	943+00T	17' RT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 EB	971+04T	14' RT	1	4	TL-3	UNIDIRECTIONAL	LT & RT	TEMPORARY CONCRETE BARRIER	1
0010	EB OFF-RAMP CROSSOVER	32+00X1	2' RT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
0010	EB ON-RAMP CROSSOVER	27+50X2	2' RT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
			SUBTOTAL	5						5
STAGE 2C										
0010	IH 90/94 EB	964+44T	14' RT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 EB ON-RAMP	991+39D	17' LT	1	4	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 EB	1012+25T	14' RT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 WB OFF-RAMP	35+61X12	2' LT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
			SUBTOTAL	4						4
STAGE 3A										
0010	IH 90/94 EB	938+52EB	5' RT	1	4	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 WB	971+56T1	27' LT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 WB	995+85T1	14' LT	1	4	TL-3	UNIDIRECTIONAL	LT & RT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 WB	1034+22WB	14' LT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 WB	1037+64T1	14' RT	1	4	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER	1
			SUBTOTAL	5						5
STAGE 3 WINTERSHUTDOWN										
0010	IH 90/94 WB	990+92WB	33'LT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 WB	1037+98WB	3' RT	1	4	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER	1
			SUBTOTAL	2						2
STAGE 3C										
0010	IH 90/94 WB		14' LT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
			SUBTOTAL	1						1
STAGE 3C										
0010	IH 90/94 WB ON-RAMP	30+87X7	15' LT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 WB ON-RAMP	974+74B	9' RT	1	4	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 WB	1000+00T1	14' LT	1	4	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER	1
0010	IH 90/94 WB	31+89X8	17' RT	1	4	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER	1
			SUBTOTAL	4						4
STAGE 4										
0010	IH 90/94 WB	1037+32WB	5' LT	1	4	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER	1
			SUBTOTAL	1						1
			TOTAL 0010	22						22

RESTORATION ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	STAGE	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2031 EROSION MAT CLASS III TYPE A SY	628.7504 TEMPORARY DITCH CHECKS LF	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
STAGE 2																
0010	947+09	-	950+95	'EB'	2	RT	876	---	876	---	---	---	0.6	12	---	19.7
0010	952+37	-	969+57	'EB'	2	RT	7,023	---	7,023	---	---	---	4.5	95	---	157.8
0010	969+57	-	978+39	'C'	2	RT	4,125	---	4,125	---	---	---	2.6	56	---	92.7
0010	969+61	-	980+51	'C'	2A	LT	834	---	834	---	---	---	---	---	---	---
0010	969+62	-	978+69	'EB'	2	INFIELD RT	10,409	---	8,264	---	2,146	72	5.3	112	---	185.6
0010	976+00	-	985+45	'B'	2	LT	5,667	---	5,667	---	---	---	3.6	77	---	127.3
0010	976+00	-	985+89	'B'	2	RT	1,233	---	1,233	---	---	56	0.8	17	---	27.7
0010	981+82	-	992+05	'D'	2	RT	3,425	---	---	3,425	---	16	2	47	---	77
0010	983+87	-	992+02	'EB'	2	INFIELD RT	13,939	---	13,939	---	---	24	8.8	189	---	313.1
0010	986+72	-	990+51	'A'	2	RT	1,951	---	1,951	---	---	---	1.3	27	---	43.8
0010	989+01	-	992+00	'A'	2	LT	2,379	---	---	2,379	---	24	1.5	33	---	53.5
0010	992+05	-	1012+16	'EB'	2	RT	6,346	---	---	6,346	---	48	4.0	86	---	142.6
0010	1014+29	-	1030+04	'EB'	2	RT	5,721	---	---	5,721	---	---	3.7	78	---	128.5
0010	138+43	-	140+91	'WB82'	2	LT	613	---	613	---	---	---	0	9	---	14
0010	138+43	-	141+56	'EB82'	2	RT	1,194	---	1,194	---	---	---	0.8	17	---	26.9
0010	978+39	-	980+44	'C'	2	RT	731	---	731	---	---	---	0.5	10	---	16.5
0010	141+39	-	148+36	'WB82'	2	LT	472	---	472	---	---	---	0.3	7	---	10.6
0010	141+54	-	148+54	'EB82'	2	RT	424	---	424	---	---	---	0.3	6	---	9.6
0010	986+96	-	989+01	'A'	2	LT	659	---	---	659	---	---	1	9	---	15
0010	141+37	-	142+04	'EB82'	2	CENTER CIRCLE	363	---	---	363	---	---	0.3	5	---	8.2
0010	146+52	-	149+09	'WB82'	2	LT	1,304	---	1,304	---	---	---	0.9	18	---	29.3
0010	148+76	-	149+46	'EB82	2	CENTER CIRCLE	316	---	---	316	---	---	0.2	5	---	7.1
0010	149+37	.	152+67	'WB82'	2	LT	954	---	954	---	---	---	---	---	---	---
0010	149+85	-	150+80	'EB82'	2	RT	925	---	---	925	---	---	1	13	---	21
0010	150+36	-	152+70	'EB82'	2	RT	344	---	344	---	---	---	0.3	5	---	7.8
0010	---	-	---		2	WASTE SITE	---	8,386	---	---	---	---	---	114	227	---
0010	---	-	---		2	UNDISTRIBUTED	14,271	---	9,815	4,027	430	96	10.9	259	---	379.0
						STAGE 2 SUBTOTAL	86,498	8,386	59,763	24,161	2,576	336	54.9	1,306.0	227	1,913.7
STAGE 3																
0010	944+01	-	948+93	'WB'	3	LT	2,041	---	2,041	---	---	---	1.3	28	---	45.9
0010	947+78	-	952+55	'WBT'	3A	LT	2,063	---	2,063	---	---	16	1.3	28	---	46.4
0010	959+43	-	973+00	'WB'	3	LT	8,609	---	8,609	---	---	---	5.5	117	---	193.4
0010	953+11	-	959+43	'WBT'	3A	LT	2,601	---	2,601	---	---	---	1.7	36	---	58.5
0010	973+00	-	976+00	'B'	3	LT	912	---	912	---	---	24	0.6	13	---	20.5
0010	973+05	-	984+82	'WB'	3	INFIELD LT	12,639	---	12,133	---	507	---	7.7	164	---	272.5
0010	975+97	-	983+72	'WBT'	3A	LT	4,105	---	4,105	---	---	---	2.6	56	---	92.2
0010	984+98	-	991+60	'WBT'	3A	LT	2,461	---	2,461	---	---	---	1.6	34	---	55.3
0010	987+00	-	995+99	'A'	3	INFIELD	3,852	---	3,852	---	---	24	2.5	52	---	86.5
0010	992+00	-	996+00	'A'	3	LT	1,974	---	---	1,974	---	---	1.3	27	---	44.4
0010	996+00	-	1006+11	'WB'	3	LT	4,131	---	---	4,131	---	40	2.7	56	---	92.8
0010	1006+11	-	1012+30	'WBT'	3A	LT	1,116	---	1,116	---	---	---	0.8	16	---	25.1
0010	1014+75	-	1021+52	'WBT'	3A	LT	1,756	---	1,756	---	---	---	1.2	24	---	39.5
0010	1017+17	-	1029+90	'WB'	3	LT	3,740	---	---	3,740	---	24	2.4	51	---	84.0
0010	---	-	---		3	WASTE SITE	---	13,860	---	---	---	---	---	188	375	---
0010	---	-	---		3	UNDISTRIBUTED	10,400	---	8,330	1,969	102	26	8.3	223	---	290.0
						STAGE 3 SUBTOTAL	62,400	13,860	49,979	11,814	609	154	41.5	1,113	375	1,447.0

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RESTORATION ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	STAGE	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2031 EROSION MAT CLASS III TYPE A SY	628.7504 TEMPORARY DITCH CHECKS LF	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
STAGE 4																
0010	935+03	-	935+65	'EB'	4	LT	340	---	340	---	---	8	0.3	5	---	7.7
0010	935+95	-	951+98	'EB'	4	LT	8,529	---	8,529	---	---	72	5.4	116	---	191.6
0010	952+25	-	983+27	'EB'	4	LT	16,469	---	16,469	---	---	136	10.4	223	---	369.9
0010	984+48	-	1012+55	'EB'	4	LT	15,429	---	15,429	---	---	48	9.8	209	---	346.6
0010	1014+30	-	1030+04	'EB'	4	LT	8,874	---	8,874	---	---	40	5.6	120	---	199.3
0010	---	-	---		4	WASTE SITE	---	20,868	---	---	---	---	---	282	564	---
0010	---	-	---		4	UNDISTRIBUTED	9929	---	9929	---	---	61	7.9	239	---	279.0
						STAGE 4 SUBTOTAL	59,570	20,868	59,570	0	0	365	39.4	1,194	564	1,394.1
						TOTAL 0010	208,468	43,114	169,312	35,975	3,185	855	135.8	3,613	1,166	4,754.8
STAGE 2																
0080	131+83	-	138+43	'WB82'	2	LT	1,606	---	1,606	---	---	---	1.1	22	---	36.1
0080	131+84	-	138+43	'EB82'	2	RT	528	---	528	---	---	---	0.4	8	---	11.9
0080	152+67	-	157+93	'WB82'	2	LT	1,119	---	1,119	---	---	---	0.8	16	---	25.2
0080	152+70	-	159+22	'EB82'	2	RT	880	---	880	---	---	---	0.6	12	---	19.8
0010	---	-	---		2	WASTE SITE	---	7,787	---	---	---	---	---	106	211	---
0080	---	-	---		2	UNDISTRIBUTED	827	---	827	---	---	48	0.8	41	---	24.0
						STAGE 2 SUBTOTAL	4,960	7,787	4,960	0	0	48	3.7	205	211	117.0
						TOTAL 0080	4,960	7,787	4,960	0	0	48	3.7	205	211	117.0
						PROJECT TOTAL	213,428	50,901	174,272	35,975	3,185	903	139.5	3,818	1,377	4,871.8

MOBILIZATIONS EROSION CONTROL

CATEGORY	STAGE	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	STAGE 2	7	6
0010	STAGE 3	10	8
0010	STAGE 4	6	5
	TOTAL 0010	23	19

EROSION CONTROL BARRIERS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.6005 TURBIDITY BARRIERS SY
STAGE 2									
0010	946+84	-	951+00	'EB'	RT	2.00	526	526.00	---
0010	952+35	-	960+01	'EB'	RT	2	824	824	---
0010	976+50	-	978+39	'C'	RT	2	185	185	---
0010	981+82	-	994+40	'D'	RT	2	1,262	1262	---
0010	983+50	-	984+35	'WB'	LT	2	218	218	---
0010	989+01	-	989+43	'A'	LT	2.00	38	38.00	---
0010	994+40	-	1003+42	'EB'	RT	2	934	934	---
0010	1012+25	-	1012+57	'EB'	B-29-152	2	---	---	313
0010	1012+82	-	1013+02	'EB'	B-29-152	2	---	---	338
0010	1013+57	-	1014+11	'EB'	B-29-152	2	---	---	354
0010	1013+94	-	1030+20	'EB'	RT	2.00	1,668	1668.00	---
0010	133+26	-	140+04	'WB82'	LT	2	663	663	---
0010	138+76	-	141+34	'EB82'	RT	2	251	251	---
0010	978+39	-	980+75	'C'	RT	2	216	216	---
0010	139+67	-	140+73	'WB82'	LT	2	119	119	---
0010	141+74	-	141+98	'WB82'	LT	2.00	68	68.00	---
0010	987+06	-	992+52	'A'	LT	2	553	553	---
0010	150+28	-	152+08	'EB82'	RT	2	190	190	---
0010	151+59	-	154+21	'WB82'	LT	2	286	286	---
0010	154+69	-	157+13	'WB82'	LT	2	258	258	---
						STAGE 2 SUBTOTAL	8,259	8,259	1,005
STAGE 3									
0010	947+70	-	952+99	'WBT	LT	3A	553	553	---
0010	955+74	-	959+54	'WBT'	LT	3A	399	399	---
0010	943+89	-	949+09	'WB'	LT	3	548	548	---
0010	955+88	-	964+28	'WB'	LT	3	901	901	---
0010	979+25	-	984+35	'WB'	LT	3	999	999	---
0010	996+13	-	1008+83	'WB'	LT	3	1,290	1,290	---
0010	1006+02	-	1012+74	'WBT'	LT	3A	715	715	---
0010	1010+74	-	1012+74	'WB'	LT	3	204	204	---
0010	1012+60	-	1012+91	'WB'	B-29-153	3A	---	---	311
0010	1013+00	-	1013+21	'WB'	B-29-153	3A	---	---	303
0010	1013+69	-	1014+27	'WB'	B-29-153	3A	---	---	327
0010	1014+15	-	1021+66	'WBT'	LT	3A	760	760	---
0010	1014+11	-	1016+44	'WB'	LT	3	235	235	---
0010	1017+13	-	1026+21	'WB'	LT	3	902	902	---
						STAGE 3 SUBTOTAL	7,506	7,506	941
STAGE 4									
0010	1012+59	-	1012+71	'T1'	TEMP BRIDGE	4	---	---	155
0010	1012+92	-	1013+10	'T1'	TEMP BRIDGE	4	---	---	223
0010	1013+73	-	1013+96	'T1'	TEMP BRIDGE	4	---	---	163
						STAGE 4 SUBTOTAL	0	0	541
						TOTAL 0010	15,765	15,765	2,487

STONE DITCH CHECK ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	628.7515.S STONE DITCH CHECKS CY	* 645.0140 GEOTEXTILE TYPE SAS SY	REMARKS
STAGE 2								
0010	978+80	-	980+14	'C'	LT	75	150	PERMANENT STONE DITCH CHECKS
0010	980+00	-	985+00	'B'	LT	131	262	PERMANENT STONE DITCH CHECKS
0010	987+75	-	989+60	'A'	RT	56	112	TEMPORARY STONE DITCH CHECKS
					STAGE 2 SUBTOTAL	262	524	
STAGE 3								
0010	976+89	-	978+74	'WBT'	LT	131	262	TEMPORARY STONE DITCH CHECKS
0010	979+15	-	989+82	'WBT'	LT	56	112	PERMANENT STONE DITCH CHECKS
					STAGE 3 SUBTOTAL	187	374	
					TOTAL 0010	449	898	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRACKING PADS

CATEGORY	STAGE	LOCATION	628.7560 TRACKING PADS EACH
0010	STAGE 2	UNDISTRIBUTED	10
0010	STAGE 3	UNDISTRIBUTED	8
0010	STAGE 4	UNDISTRIBUTED	10
		TOTAL 0010	28

DELINEATORS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	633.0200 DELINEATORS FLEXIBLE EACH
STAGE 2						
0010	947+02EB	-	964+00EB	'EB'	RT	4
0010	964+00C	-	978+39C	'C'	RT	16
0010	970+00EB	-	991+00EB	'EB'	RT	10
0010	981+82D	-	997+40D	'D'	RT	13
0010	997+40EB	-	1030+01EB	'EB'	RT	14
					STAGE 2 SUBTOTAL	57
STAGE 3						
0010	944+01WB	-	971+00WB	'WB'	LT	12
0010	971+00B	-	985+45B	'B'	LT	15
0010	973+00WB	-	996+00WB	'WB'	LT	10
0010	989+01A	-	1000+00A	'A'	LT	12
0010	1000+00WB	-	1029+90WB	'WB'	LT	8
					STAGE 3 SUBTOTAL	57
STAGE 4						
0010	935+50	-	936+25	'EB'	LT	2
					STAGE 4 SUBTOTAL	2
					TOTAL 0010	116

EROSION CONTROL ITEMS

CATEGORY	STATION	ALIGNMENT	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	* 645.0140 GEOTEXTILE TYPE SAS SY	REMARKS
STAGE 2										
0010	953+10	'T'	RT	---	---	---	---	5	---	REPLACE DAMAGED ROCK BAGS IN DITCH DIKE PLACED BY OTHERS
0010	953+10	'T'	LT & RT	---	2	---	---	---	---	
0010	953+12	'EB'	RT	---	---	---	---	18	---	SILT FENCE RELIEF
0010	956+00	'T'	LT	---	---	---	---	5	---	REPLACE DAMAGED ROCK BAGS IN DITCH DIKE PLACED BY OTHERS
0010	956+00	'T'	LT	---	1	---	---	---	---	
0010	956+50	'T'	RT	---	1	---	---	---	---	
0010	958+00	'T'	LT	---	1	---	---	---	---	
0010	958+44	'EB'	LT	---	1	---	---	---	---	
0010	958+44	'EB'	RT	---	---	---	---	18	---	SILT FENCE RELIEF
0010	960+50	'T'	RT	---	1	---	---	---	---	
0010	961+50	'T'	LT	---	1	---	---	---	---	
0010	963+00	'T'	LT & RT	---	2	---	---	---	---	
0010	971+50	'T'	RT	---	1	---	---	---	---	
0010	973+00	'T'	RT	---	1	---	---	---	---	
0010	973+50	'T'	LT	---	1	---	---	---	---	
0010	975+00	'T'	LT & RT	---	2	---	---	---	---	
0010	976+75	'T'	LT & RT	---	2	---	---	---	---	
0010	979+50	'T'	LT & RT	---	2	---	---	---	---	
0010	980+00	'B'	RT	---	1	---	---	---	---	
0010	982+10	'T'	LT & RT	---	2	---	---	---	---	
0010	982+64	'T'	LT	---	1	---	---	---	---	
0010	984+92	'EB'	RT	1	---	---	---	---	---	
0010	985+00	'D'	LT	---	---	---	3	---	---	
0010	985+00	'D'	RT	---	---	---	---	18	---	SILT FENCE RELIEF
0010	987+00	'A'	RT	---	---	---	3	---	---	
0010	987+50	'T'	LT & RT	---	2	---	---	---	---	
0010	989+50	'T'	LT & RT	---	2	---	---	---	---	
0010	991+11	'EB'	RT	---	1	---	---	18	---	SILT FENCE RELIEF
0010	991+13	'T'	RT	---	---	---	---	5	---	REPLACE DAMAGED ROCK BAGS IN DITCH DIKE PLACED BY OTHERS
0010	991+13	'T'	LT & RT	2	---	---	---	---	---	
0010	992+50	'T'	RT	---	1	---	---	---	---	
0010	993+50	'T'	LT	---	1	---	---	---	---	
0010	995+00	'T'	LT	---	1	---	---	---	---	
0010	996+81	'EB'	RT	---	---	---	7	---	---	
0010	997+12	'T'	LT & RT	---	2	---	---	---	---	
0010	1000+60	'EB'	LT	---	1	---	---	---	---	
0010	1002+13	'T'	LT	---	1	---	---	---	---	
0010	1002+29	'EB'	RT	---	---	---	7	---	---	
0010	1002+35	'T'	LT & RT	---	2	---	---	---	---	
0010	1004+00	'T'	LT & RT	---	2	---	---	---	---	
0010	1005+00	'T'	RT	---	1	---	---	---	---	
0010	1006+00	'T'	LT	---	1	---	---	---	---	
0010	1008+00	'T'	RT	---	1	---	---	---	---	
0010	1008+50	'T'	LT	---	1	---	---	---	---	
0010	1010+00	'T'	RT	---	1	---	---	---	---	
0010	1011+55	'EB'	RT	---	1	---	---	---	---	
0010	1019+10	'T'	LT & RT	---	2	---	---	---	---	
0010	1023+78	'EB'	RT	---	---	---	---	18	---	SILT FENCE RELIEF
0010	1027+69	'T'	LT	---	1	---	---	---	---	
0010	1037+50	'T'	LT	1	---	---	---	---	---	
0010	138+73	'EB82'	RT	---	---	---	---	18	---	
0010	138+78	'EB82'	LT & RT	3	---	3	---	---	---	
0010	140+26	'EB82'	LT & RT	4	---	4	---	---	---	
0010	140+76	'EB82'	RT	1	---	1	---	---	---	
0010	980+74	'C'	RT	1	---	1	---	---	---	
0010	142+23	'EB82'	LT	2	---	2	---	---	---	

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EROSION CONTROL ITEMS

CATEGORY	STATION	ALIGNMENT	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	* 645.0140 GEOTEXTILE TYPE SAS SY	REMARKS
0010	142+46	'EB82'	LT	2	---	2	---	---	---	
0010	143+28	'WB82'	LT	---	---	---	3	---	---	
0010	144+13	'EB82'	RT	---	---	---	3	---	---	
0010	145+27	EB82'	LT	4	---	4	---	---	---	
0010	145+27	'EB82	RT	4	---	4	---	---	---	
0010	148+06	'WB82'	LT	---	---	---	8	---	---	
0010	148+71	'EB82'	LT	1	---	1	---	---	---	
0010	149+79	'EB82'	LT	1	---	1	---	---	---	
0010	150+50	'EB82'	LT	3	---	3	---	---	---	
0010	150+53	'EB82'	RT	2	---	2	---	---	---	
0010	151+30	'WB82'	LT	---	---	---	5	---	---	
0010	154+73	'WB82'	LT	---	---	---	3	---	---	
0010	163+47	'EB82'	LT	1	---	---	---	---	---	EXISTING INLET
0010	166+88	'EB82'	LT	---	---	2	---	---	---	EXISTING INLETS
0010	167+60	'EB82'	LT	---	---	2	---	---	---	EXISTING INLETS
0010	168+89	'EB82'	LT	---	---	2	---	---	---	EXISTING INLETS
0010	986+97	'A'	RT	1	---	---	---	---	---	
0010	---	---	UNDISTRIBUTED	---	---	---	---	24	---	
			STAGE 2 SUBTOTAL	34	48	34	42	147	0	
STAGE 3										
0010	950+09	'WBT'	LT	---	---	---	7	18	---	SILT FENCE RELIEF
0010	951+34	'WB'	LT	---	1	---	---	18	---	SILT FENCE RELIEF
0010	953+10	'T'	RT	---	---	---	---	5	---	REPLACE DAMAGED ROCK BAGS IN DITCH DIKE PLACED BY OTHERS
0010	953+10	'T1'	LT & RT	---	2	---	---	---	---	
0010	954+12	'WB'	LT	---	---	---	7	---	---	
0010	956+00	'T'	LT	---	---	---	---	5	---	REPLACE DAMAGED ROCK BAGS IN DITCH DIKE PLACED BY OTHERS
0010	956+00	'T1'	LT	---	1	---	---	---	---	
0010	956+50	'T1'	RT	---	1	---	---	---	---	
0010	958+00	'T1'	LT	---	1	---	---	---	---	
0010	958+44	'EB'	LT	---	1	---	---	---	---	
0010	960+50	'T1'	RT	---	1	---	---	---	---	
0010	961+50	'T1'	LT	---	1	---	---	---	---	
0010	962+37	'WB'	LT	---	---	---	7	---	---	
0010	963+00	'T1'	LT & RT	---	2	---	---	---	---	
0010	966+27	'T1'	LT	---	1	---	---	---	---	
0010	971+50	'T1'	RT	---	1	---	---	---	---	
0010	973+00	'T1'	RT	---	1	---	---	---	---	
0010	973+50	'T1'	LT	---	1	---	---	---	---	
0010	975+00	'T1'	LT & RT	---	2	---	---	---	---	
0010	976+75	'T1'	LT & RT	---	2	---	---	---	---	
0010	979+50	'T1'	LT & RT	---	2	---	---	---	---	
0010	982+10	'T1'	LT & RT	---	2	---	---	---	---	
0010	982+64	'T'	LT	---	1	---	---	---	---	
0010	986+00	'WB'	LT	---	1	---	---	---	---	
0010	987+50	'T1'	LT & RT	---	2	---	---	---	---	
0010	989+50	'T1'	LT & RT	---	2	---	---	---	---	
0010	991+13	'T'	RT	---	---	---	---	5	---	REPLACE DAMAGED ROCK BAGS IN DITCH DIKE PLACED BY OTHERS
0010	991+13	'T1'	LT & RT	---	2	---	---	---	---	
0010	992+37	'WB'	LT			---		18	---	SILT FENCE RELIEF
0010	992+50	'T1'	RT	---	1	---	---	---	---	
0010	993+50	'T1'	LT	---	1	---	---	---	---	
0010	993+50	'A'	RT	1	---	---	---	---	---	
0010	995+00	'T1'	LT	---	1	---	---	---	---	
0010	996+90	'WB'	LT	---	---	---	---	18	---	SILT FENCE RELIEF
0010	997+12	'T1'	LT & RT	---	2	---	---	---	---	
0010	1000+60	'EB'	LT	---	1	---	---	---	---	

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EROSION CONTROL ITEMS

CATEGORY	STATION	ALIGNMENT	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	* 645.0140 GEOTEXTILE TYPE SAS SY	REMARKS
0010	1002+13	'T1'	LT	---	1	---	---	---	---	
0010	1002+28	'WB'	LT	---	---	---	---	18	---	SILT FENCE RELIEF
0010	1002+35	'T1'	LT & RT	---	2	---	---	---	---	
0010	1004+00	'T1'	LT & RT	---	2	---	---	---	---	
0010	1005+00	'T1'	RT	---	1	---	---	---	---	
0010	1005+75	'WB'	RT	---	1	---	---	---	---	
0010	1006+00	'T1'	LT	---	1	---	---	---	---	
0010	1008+00	'T1'	RT	---	1	---	---	---	---	
0010	1008+50	'T1'	LT	---	1	---	---	---	---	
0010	1010+00	'T1'	RT	---	1	---	---	---	---	
0010	1011+22	'WB'	RT	---	1	---	---	---	---	
0010	1011+83	'WB'	LT	---	1	---	---	18	---	SILT FENCE RELIEF
0010	1019+07	'WBT'	LT	---	---	---	---	18	---	SILT FENCE RELIEF
0010	1019+10	'T1'	LT & RT	---	2	---	---	---	---	
0010	1024+94	'WB'	LT	---	---	---	10	18	---	SILT FENCE RELIEF
0010	1027+69	'T1'	LT	---	1	---	---	---	---	
0010	1037+50	'T1'	RT	1	---	---	---	---	---	
0010	22+54	'G'	LT & RT	---	---	2	---	---	2	
0010	22+64	'G'	LT & RT	---	---	2	---	---	2	
0010	---	---	UNDISTRIBUTED	---	---	---	---	32	---	
			STAGE 3 SUBTOTAL	2	53	4	31	191	4	
STAGE 4										
0010	938+13	'EB'	LT	---	---	---	2	---	---	
0010	945+13	'EB'	LT	---	---	---	3	---	---	
0010	947+52	'EB'	LT	---	---	---	3	---	---	
0010	953+12	'EB'	LT	1	---	---	---	25	8	DITCH DIKE
0010	958+44	'EB'	LT	1	---	---	---	---	---	
0010	963+01	'EB'	LT	1	---	---	---	---	---	
0010	976+38	'EB'	LT	1	---	---	---	---	---	
0010	982+10	'WB'	RT	1	---	---	---	25	8	DITCH DIKE
0010	991+13	'EB'	LT	---	---	---	2	---	---	
0010	999+25	'WB'	RT	---	---	---	3	---	---	
0010	1002+14	'WB'	RT	---	---	---	2	---	---	
0010	1005+75	'WB'	RT	2	---	---	---	---	---	
0010	1010+42	'WB'	RT	---	---	---	3	---	---	
0010	1011+22	'WB'	RT	---	1	---	---	---	---	
0010	1015+25	'WB'	RT	1	---	---	---	---	---	
0010	1015+94	'WB'	RT	1	---	---	---	---	---	
0010	1019+08	'WB'	RT	1	---	---	---	---	---	
0010	1021+13	'WB'	RT	---	---	---	3	---	---	
0010	1024+25	'WB'	RT	---	---	---	3	---	---	
0010	1027+63	'WB'	RT	---	---	---	2	---	---	
0010	1037+50	'T1'	LT	1	---	---	---	---	---	
			STAGE 4 SUBTOTAL	11	1	0	26	50	16	
			TOTAL 0010	47	102	38	99	388	20	

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EROSION CONTROL ITEMS

CATEGORY	STATION	ALIGNMENT	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	* 645.0140 GEOTEXTILE TYPE SAS SY	REMARKS
STAGE 2										
0080	130+10	'EB82'	LT & RT	---	---	4	---	---	---	EXISTING INLETS
0080	135+51	'EB82'	LT & RT	3	---	3	---	---	---	
0080	154+68	'EB82'	LT	3	---	3	---	---	---	
0080	157+83	'EB82'	LT	1	---	1	---	---	---	
0080	5+67	'C'	LT & RT	2	---	2	---	---	---	
0080	159+22	'EB82'	LT	2	---	2	---	---	---	
0080	162+28	'EB82'	LT	2	---	2	---	---	---	
			STAGE 2 SUBTOTAL	13	0	17	0	0	0	
			TOTAL 0080	13	0	17	0	0	0	
			PROJECT TOTAL	60	102	55	99	388	20	

MARKERS ROW

CATEGORY	STATION	ALIGNMENT	LOCATION	633.5100 MARKERS ROW EACH
STAGE 2				
0010	984+65	'D'	44.2' RT	1
0010	983+00	'D'	38.6' RT	1
0010	988+81	'D'	50.8' RT	1
0010	1007+59	'EB'	94.5' RT	1
0010	1008+61	'EB'	104.9' RT	1
0010	1012+18	'EB'	104.9' RT	1
0010	1012+41	'EB'	87.1' RT	1
			STAGE 2 SUBTOTAL	7
STAGE 3				
0010	953+60	'WB'	103.9' LT	1
0010	954+40	'WB'	117.4' LT	1
0010	955+04	'WB'	117.7' LT	1
0010	955+66	'WB'	103.5' LT	1
0010	973+41	'B'	85.3' LT	1
0010	975+87	'B'	47.3' LT	1
0010	978+45	'B'	86.6' LT	1
0010	983+56	'B'	64.7' LT	1
0010	984+29	'B'	65.9' LT	1
0010	990+73	'A'	41.8' LT	1
0010	993+51	'A'	64.9' LT	1
0010	996+40	'A'	65.6' LT	1
0010	997+46	'A'	50.8' LT	1
			STAGE 3 SUBTOTAL	13
			TOTAL 0010	20

TYPE I SIGNS

CATEGORY	SIGN NO.	STATION	ALIGNMENT	LOCATION	SIGN CODE	SIGN SIZE IN	X	IN	531.1100 CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS CY	531.1140 STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS LB	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	REMARKS	INFORMATION ONLY - POST LENGTH TO BE VERIFIED BY CONTRACTOR: TYPE/SIZE OF STEEL AND BASES	POST NO. 1 LENGTH (ROAD SIDE) FT	POST NO. 2 LENGTH (DITCH) FT	DISTANCE BETWEEN POSTS (S) FT
STAGE 2																	
0010	02-01	956+77	'EB'	RT	E4-1A	204	X	132	2.4	360	1,500	187	STH 82 / MAUSTON / OXFORD	W12X26	21.00	25.00	10.2
0010	---	---	---	---	E1-5P	108	X	30	---	---	---	23	EXIT 69				
0010	01-06	940+41	'EB'	RT	E10-61	144	X	54	2	220	983	54	HOSPITAL EXIT 69	W8X21	16.50	18.50	7.2
0010	09-11	138+62	'EB82'	S-29-0011	E6-54A	108	X	120	---	---	---	90	WEST IH 90/94, EAST STH 82, TOMAH, OXFORD STRAIGHT				
0010	09-12	138+62	'EB82'	S-29-0011	E6-54R	96	X	102	---	---	---	68	EAST IH 90/94, MADISON, RIGHT ONLY				
0010	12-10	152+67	'WB82'	S-29-0012	E6-54A	108	X	120	---	---	---	90	EAST IH 90/94, WEST STH 82, MADISON, MAUSTON, STRAIGHT				
0010	12-11	152+67	'WB82'	S-29-0012	E6-54R	96	X	102	---	---	---	68	WEST IH 90/94, TOMAH, RIGHT ONLY				
								STAGE 2 SUBTOTAL	4.4	580	2,483	580					
STAGE 3																	
0010	05-05	1007+27	'WB'	LT	E4-1A	204	X	132	2.4	360	1,500	187	STH 82 / MAUSTON / OXFORD	W12X26	21.00	25.00	10.2
0010	---	---	---	---	E1-5P	108	X	30	---	---	---	23	EXIT 69				
0010	07-02	1024+96	'WB'	LT	E10-61	144	X	54	2	220	983	54	HOSPITAL EXIT 69	W8X21	16.50	18.50	7.2
								STAGE 3 SUBTOTAL	4.4	580	2,483	264					
								TOTAL 0010	8.8	1,160	4,966	843					

*THESE QUANTITIES ARE ESTIMATES
ACUTAL SIZE/NUMBER/LENGTH/WEIGHT OF STEEL SUPPORTS/REINFORCEMENT/CONCRETE BASES ARE
TO BE DETERMINED BY CONTRACTOR, BASED ON SURVEY OF FIELD CONDITIONS, FINAL GRADE, AND SIGN LOCATION
SURVEY REQUIRED FOR DETERMINATION IS THE RESPONSIBILITY OF THE CONTRACTOR, INCIDENTAL TO CONTRACT
FOLLOW SIGN DETAIL A PLATES - A3-1, A3-2, A3-3, A4-1

TYPE II SIGNS

CATEGORY	SIGN NO.	STATION	ALIGNMENT	LOCATION	SIGN CODE	SIGN SIZE IN	X	IN	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
STAGE 2																	
0010	02-02	960+39	'EB'	RT	R3-33R	78	X	36	---	2	---	---	---	19.50	---	---	RIGHT LANE MUST EXIT
0010	03-01	970+72	'C'	LT	E5-1A	72	X	60	---	---	2	---	---	30.00	---	---	EXIT 69
0010	03-02	971+22	'C'	RT	W2-6	36	X	36	---	1	---	---	---	---	---	9.00	ROUNDABOUT AHEAD
0010	03-03	971+22	'C'	RT	W13-1	24	X	24	---	---	---	---	---	---	---	4.00	15 MPH
0010	03-04	972+65	'C'	LT	R7-64	48	X	30	---	1	---	---	---	10.00	---	---	NO PARKING ON RAMP
0010	03-05	973+28	'C'	RT	D1-62	96	X	42	---	2	---	---	---	28.00	---	---	STH 82 EAST / STH 82 WEST
0010	03-06	974+81	'C'	RT	D1-2	66	X	30	---	2	---	---	---	13.75	---	---	OXFORD / MAUSTON
0010	03-08	977+84	'C'	RT	D7-68R	54	X	36	---	2	---	---	---	13.50	---	---	BUCKHORN STATE PARK
0010	04-01	982+02	'EB'	RT	W4-1R	48	X	48	---	2	---	---	---	---	---	16.00	MERGING TRAFFIC
0010	04-11	982+68	'D'	RT	R5-57	36	X	36	---	1	---	---	---	9.00	---	---	PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBIT
0010	04-12	984+53	'D'	RT	R7-64	48	X	30	---	1	---	---	---	10.00	---	---	NO PARKING ON RAMP
0010	05-05	1008+11	'EB'	RT	J4-2	72	X	54	---	---	2	---	---	27.00	---	---	EAST IH 90 / EAST IH 94
0010	07-01	1032+67	'EB'	RT	R4-3	48	X	60	---	---	1	---	---	20.00	---	---	SLOWER TRAFFIC KEEP RIGHT
0010	03-09	979+38	'C'	RT	J3-2	48	X	81	---	---	2	---	---	27.00	---	---	ALTERNATE IH 90/94 RIGHT / HOSPITAL RIGHT
0010	04-05	988+04	'A'	LT	J3-2	48	X	81	---	---	2	---	---	27.00	---	---	ALTERNATE IH 90/94 LEFT / HOSPITAL LEFT
0010	09-10	138+63	'EB82'	LT	R3-8AR	36	X	30	---	---	---	---	---	7.50	---	---	ON OVERHEAD STRUCTURE POLE
0010	09-13	138+61	'EB82'	RT	R3-8BR	36	X	30	---	---	---	---	---	7.50	---	---	ON OVERHEAD STRUCTURE POLE
0010	09-14	139+26	'WB82'	LT	J4-3	72	X	36	2	---	---	---	---	18.00	---	---	WEST STH 82 / ALTERNATE IH 90/94
0010	10-01	139+53	'EB82'	RT	R11-54F	48	X	30	1	---	---	---	---	---	10.00	---	RAMP CLOSED USE ALT ROUTE
0010	10-02	139+58	'EB82'	RT	W12-1D	24	X	24	1	---	---	---	---	---	---	4.00	DOUBLE ARROWS
0010	10-03	140+20	'EB82'	RT	W11-15	30	X	30	---	1	---	---	---	---	---	6.25	BICYCLE/PEDESTRIAN CROSSING

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TYPE II SIGNS

CATEGORY	SIGN NO.	STATION	ALIGNMENT	LOCATION	SIGN CODE	SIGN SIZE IN	X	IN	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
0010	10-04	140+20	'EB82'	RT	W16-7L	24	X	12	---	---	---	---	---	---	---	2.00	ARROW
0010	10-05	140+46	'EB82'	LT	W11-15	30	X	30	---	1	---	---	---	---	---	6.25	BICYCLE/PEDESTRIAN CROSSING
0010	10-06	140+46	'EB82'	LT	W16-7L	24	X	12	---	---	---	---	---	---	---	2.00	ARROW
0010	10-07	140+38	'WB82'	LT	W11-15	30	X	30	---	1	---	---	---	---	---	6.25	BICYCLE/PEDESTRIAN CROSSING
0010	10-08	140+38	'WB82'	LT	W16-7L	24	X	12	---	---	---	---	---	---	---	2.00	ARROW
0010	10-11	140+72	'WB82'	RT	D1-3	66	X	48	---	2	---	---	---	22.00	---	---	EAST IH 90/94 / WEST STH 82
0010	10-12	140+79	'WB82'	LT	R5-1	30	X	30	1	---	---	---	---	6.25	---	---	DO NOT ENTER
0010	10-13	140+93	'WB82'	LT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	10-09	140+73	'EB82'	LT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	10-10	140+79	'EB82'	RT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	10-14	140+97	'EB82'	RT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	10-15	141+16	'EB82'	RT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	10-27	141+61	'EB82'	RT	D1-1	66	X	30	---	2	---	---	---	13.75	---	---	EAST IH 90/94
0010	10-28	141+61	'EB82'	RT	R11-54F	48	X	30	---	---	---	---	---	---	10.00	---	RAMP CLOSED USE ALT ROUTE
0010	10-16	981+52	'D'	LT	R1-1	18	X	18	1	---	---	---	---	1.86	---	---	STOP
0010	10-29	981+60	'D'	RT	R1-1	18	X	18	---	---	---	1	---	1.86	---	---	STOP
0010	10-17	981+61	'D'	RT	W11-15	30	X	30	---	---	---	---	1	---	---	6.25	BIKE/PED CROSSING
0010	10-18	981+60	'D'	RT	W16-7L	24	X	12	---	---	---	---	---	---	---	2.00	ARROW
0010	10-20	141+38	'EB82'	LT	R6-1R	36	X	12	---	---	---	---	---	3.00	---	---	ONE WAY FOR ROUNDABOUTS
0010	10-21	141+38	'EB82'	LT	R6-4B	60	X	24	2	---	---	---	---	10.00	---	---	CHEVRON FOR ROUNDABOUT
0010	10-22	141+47	'WB82'	LT	R6-1R	36	X	12	---	---	---	---	---	3.00	---	---	ONE WAY FOR ROUNDABOUTS
0010	10-23	141+47	'WB82'	LT	R6-4B	60	X	24	2	---	---	---	---	10.00	---	---	CHEVRON FOR ROUNDABOUT
0010	10-31	141+99	'WB82'	LT	R6-1R	36	X	12	---	---	---	---	---	3.00	---	---	ONE WAY FOR ROUNDABOUTS
0010	10-32	141+99	'WB82'	LT	R6-4B	60	X	24	2	---	---	---	---	10.00	---	---	CHEVRON FOR ROUNDABOUT
0010	10-24	980+46	'C'	LT	W11-15	30	X	30	---	---	---	---	1	---	---	6.25	BICYCLE/PEDESTRIAN CROSSING
0010	10-25	980+46	'C'	LT	W16-7R	24	X	12	---	---	---	---	---	---	---	2.00	ARROW
0010	10-19	141+42	'WB82'	LT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	10-26	141+49	'WB82'	LT	R5-1	30	X	30	---	---	---	1	---	6.25	---	---	DO NOT ENTER
0010	10-30	141+75	'WB82'	LT	R3-1	24	X	24	1	---	---	---	---	4.00	---	---	NO RIGHT TURN
0010	10-34	142+50	'WB82'	LT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	10-35	142+55	'WB82'	RT	R1-2	36	X	31	1	---	---	---	---	3.88	---	---	YIELD
0010	10-33	142+51	'EB82'	LT	D1-1	90	X	30	2	---	---	---	---	18.75	---	---	WEST IH 90/94 / EAST STH 82
0010	10-36	144+67	'EB82'	LT	D1-2	54	X	30	2	---	---	---	---	11.25	---	---	OXFORD / TOMAH
0010	11-01	146+97	'WB82'	RT	D1-2	54	X	30	2	---	---	---	---	11.25	---	---	MAUSTON / MADISON
0010	11-02	147+90	'WB82'	LT	JV	24	X	81	---	---	1	---	---	13.50	---	---	ALT IH 90/94/ARROW
0010	11-03	148+24	'WB82'	RT	D1-1	84	X	30	2	---	---	---	---	17.50	---	---	EAST IH 90/94 / WEST STH 82
0010	11-04	148+27	'EB82'	LT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	11-05	148+36	'EB82'	RT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	11-06	148+78	'EB82'	LT	R6-1R	36	X	12	---	---	---	---	---	3.00	---	---	ONE WAY FOR ROUNDABOUTS
0010	11-07	148+78	'EB82'	LT	R6-4B	60	X	24	2	---	---	---	---	10.00	---	---	CHEVRON FOR ROUNDABOUT
0010	11-13	149+29	'EB82'	RT	R6-1R	36	X	12	---	---	---	---	---	3.00	---	---	ONE WAY FOR ROUNDABOUTS
0010	11-14	149+29	'EB82'	RT	R6-4B	60	X	24	2	---	---	---	---	10.00	---	---	CHEVRON FOR ROUNDABOUT
0010	11-15	149+26	'WB82'	RT	R6-1R	36	X	12	---	---	---	---	---	3.00	---	---	ONE WAY FOR ROUNDABOUTS
0010	11-16	149+26	'WB82'	RT	R6-4B	60	X	24	2	---	---	---	---	10.00	---	---	CHEVRON FOR ROUNDABOUT
0010	11-09	149+16	'WB82'	LT	D1-1	66	X	30	---	2	---	---	---	13.75	---	---	WEST IH 90/94
0010	11-10	149+16	'WB82'	LT	R11-54F	48	X	30	---	---	---	---	---	---	10.00	---	RAMP CLOSED USE ALT ROUTE
0010	11-11	985+57	'B'	LT	W11-15	30	X	30	---	---	---	---	1	---	---	6.25	BICYCLE/PEDESTRIAN CROSSING
0010	11-12	985+57	'B'	LT	W16-7R	24	X	12	---	---	---	---	---	---	---	2.00	ARROW
0010	11-08	148+86	'EB82'	RT	R3-1	24	X	24	1	---	---	---	---	4.00	---	---	NO RIGHT TURN
0010	11-17	149+24	'EB82'	RT	R5-1	30	X	30	---	---	---	1	---	6.25	---	---	DO NOT ENTER
0010	11-18	149+35	'EB82'	RT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	11-22	986+74	'A'	LT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	11-19	986+96	'A'	RT	R1-1R	18	X	18	1	---	---	---	---	1.86	---	---	STOP
0010	11-20	987+03	'A'	LT	W11-15	30	X	30	---	1	---	---	---	---	---	6.25	BICYCLE/PEDESTRIAN CROSSING
0010	11-21	987+03	'A'	LT	W16-7L	24	X	12	---	---	---	---	---	---	---	2.00	ARROW

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TYPE II SIGNS

CATEGORY	SIGN NO.	STATION	ALIGNMENT	LOCATION	SIGN CODE	SIGN SIZE IN	X	IN	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
0010	11-22	149+71	'EB82'	RT	R1-1R	18	X	18	1	---	---	---	---	1.86	---	---	STOP
0010	11-26	149+94	'EB82'	RT	R5-1	30	X	30	1	---	---	---	---	6.25	---	---	DO NOT ENTER
0010	11-23	149+77	'WB82'	LT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	11-24	149+81	'WB82'	LT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	11-25	149+91	'WB82'	LT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	11-27	150+05	'WB82'	RT	R1-2	36	X	31	---	---	---	1	---	3.88	---	---	YIELD
0010	11-28	150+10	'EB82'	LT	D1-3	72	X	48	---	2	---	---	---	24.00	---	---	WEST IH 90/94 / EAST STH 82
0010	11-29	150+33	'WB82'	RT	W11-15	30	X	30	---	---	---	---	1	---	---	6.25	BICYCLE/PEDESTRIAN CROSSING
0010	11-30	150+33	'WB82'	RT	W16-7R	24	X	12	---	---	---	---	---	---	---	2.00	ARROW
0010	11-31	150+42	'EB82'	RT	W11-15	30	X	30	---	---	---	---	1	---	---	6.25	BICYCLE/PEDESTRIAN CROSSING
0010	11-32	150+42	'EB82'	RT	W16-7L	24	X	12	---	---	---	---	---	---	---	2.00	ARROW
0010	12-01	150+53	'EB82'	RT	R3-20L	24	X	36	1	---	---	---	---	6.00	---	---	BEGIN LEFT TURN LANE
0010	12-03	150+62	'WB82'	LT	W11-15	30	X	30	---	1	---	---	---	---	---	6.25	BICYCLE/PEDESTRIAN CROSSING
0010	12-04	150+62	'WB82'	LT	W16-7L	24	X	12	---	---	---	---	---	---	---	2.00	ARROW
0010	12-02	150+89	'EB82'	RT	J4-1	24	X	36	1	---	---	---	---	6.00	---	---	EAST STH 82
0010	12-05	151+17	'WB82'	LT	W12-1D	24	X	24	1	---	---	---	---	---	---	4.00	DOUBLE ARROWS
0010	12-06	151+36	'WB82'	LT	R11-54F	48	X	30	1	---	---	---	---	---	10.00	---	RAMP CLOSED USE ALT ROUTE
0010	12-07	151+71	'EB82'	RT	D	84	X	45	---	2	---	---	---	26.25	---	---	COMMERCIAL ST /WESTERN TECH SECOND LEFT
0010	12-08	152+70	'EB82'	LT	R3-7L	36	X	36	---	---	---	---	---	9.00	---	---	ON OVERHEAD STRUCTURE POLE
0010	12-09	152+66	'WB82'	LT	R3-8AR (MOD)	48	X	24	---	---	---	---	---	8.00	---	---	ON OVERHEAD STRUCTURE POLE
0010	12-12	152+67	'WB82'	RT	R3-8AR (MOD)	48	X	24	---	---	---	---	---	8.00	---	---	ON OVERHEAD STRUCTURE POLE
0010		UNDISTRIBUTED							---	2	---	---	---	---	---	---	UNDISTRIBUTED FOR MOVING SIGNS

						STAGE 2 SUBTOTAL			36	31	10	18	5	657.27	40.00	119.50	
STAGE 3																	
0010	01-01	933+00	'WB'	LT	R4-3	48	X	60	---	---	2	---	---	20.00	---	---	SLOWER TRAFFIC KEEP RIGHT
0010	01-02	929+02	'WB'	LT	R2-1	48	X	60	---	---	2	---	---	20.00	---	---	SPEED LIMIT 70
0010	01-05	939+02	'WB'	LT	J4-2	72	X	54	---	---	2	---	---	27.00	---	---	WEST IH 90 / WEST IH 94
0010	04-02	982+63	'WB'	LT	W4-1R	48	X	48	---	2	---	---	---	---	---	16.00	MERGING TRAFFIC
0010	04-03	982+98	'B'	LT	R7-64	48	X	30	---	1	---	---	---	10.00	---	---	NO PARKING ON RAMP
0010	04-04	984+89	'B'	LT	R5-57	36	X	36	---	1	---	---	---	9.00	---	---	PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBIT
0010	04-06	989+58	'A'	LT	---	78	X	72	---	---	2	---	---	39.00	---	---	BUCKHORN STATE PARK / ELROY-SPARTA STATE TRAIL / THE 400 STATE TRAIL
0010	04-07	991+11	'A'	LT	D1-56SL	66	X	24	2	---	---	---	---	11.00	---	---	BUSINESS DISTRICT
0010	04-08	992+62	'A'	LT	D1-2	66	X	30	---	2	---	---	---	13.75	---	---	MAUSTON / OXFORD
0010	04-09	994+08	'A'	RT	E5-1A	72	X	60	---	---	2	---	---	30.00	---	---	EXIT 69
0010	04-10	994+10	'A'	LT	D1-62	96	X	42	---	2	---	---	---	28.00	---	---	STH 82 WEST / STH 82 EAST
0010	05-01	995+11	'A'	LT	R7-64	48	X	30	---	1	---	---	---	10.00	---	---	NO PARKING ON RAMP
0010	05-02	996+12	'A'	LT	W2-6	36	X	36	---	1	---	---	---	---	---	9.00	ROUNDABOUT AHEAD
0010	05-03	996+12	'A'	LT	W13-1	24	X	24	---	---	---	---	---	---	---	4.00	15 MPH
0010	05-04	1002+90	'WB'	LT	R3-33R	78	X	36	2	---	---	---	---	19.50	---	---	RIGHT LANE MUST EXIT

						STAGE 3 SUBTOTAL			4	10	10	0	0	237.25	0.00	29.00	
STAGE 4																	
0010	01-03	935+56	'WB'	RT	R3-4B	36	X	48	---	1	---	---	---	12.00	---	---	NO U-TURN
0010	01-04	936+05	'EB'	LT	R3-4B	36	X	48	---	1	---	---	---	12.00	---	---	NO U-TURN
						STAGE 4 SUBTOTAL			0	2	0	0	0	24.00	0.00	0.00	
						TOTAL 0010			40	43	20	18	5	918.52	40.00	148.50	

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TYPE II SIGNS

CATEGORY	SIGN NO.	STATION	ALIGNMENT	LOCATION	SIGN CODE	SIGN SIZE IN	X	IN	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
0080	09-01	134+06	'WB82'	LT	R5-1	30	X	30	1	---	---	---	---	6.25	---	---	DO NOT ENTER
0080	09-02	134+06	'WB82'	LT	R2-1	24	X	30	---	---	---	---	---	5.00	---	---	SPEED LIMIT 35 MPH
0080	09-03	134+77	'EB82'	RT	J1-2	48	X	39	---	2	---	---	---	13.00	---	---	JCT IH 90 / JCT IH 94
0080	09-04	136+00	'WB82'	LT	W3-3	36	X	36	---	1	---	---	---	---	---	9.00	TRAFFIC SIGNAL AHEAD
0080	09-05	136+78	'EB82'	LT	W2-6	30	X	30	---	1	---	---	---	---	---	6.25	ROUNDABOUT AHEAD
0080	09-06	136+78	'EB82'	LT	W13-1	24	X	24	---	---	---	---	---	---	---	4.00	15 MPH
0080	09-07	136+78	'EB82'	RT	W2-6	30	X	30	---	1	---	---	---	---	---	6.25	ROUNDABOUT AHEAD
0080	09-08	136+78	'EB82'	RT	W13-1	24	X	24	---	---	---	---	---	---	---	6.25	15 MPH
0080	09-09	137+98	'WB82'	LT	I2-3	60	X	24	2	---	---	---	---	10.00	---	---	MAUSTON POPULATION
0080	12-13	153+90	'WB82'	RT	R6-2R	36	X	48	---	1	---	---	---	12.00	---	---	ONE WAY
0080	12-14	154+00	'WB82'	LT		42	X	21	1	---	---	---	---	6.13	---	---	WOODSIDE RANCH
0080	12-15	154+05	'WB82'	RT	R5-1	36	X	36	---	1	---	---	---	9.00	---	---	DO NOT ENTER
0080	12-16	153+91	'EB82'	RT	R2-1	36	X	48	---	1	---	---	---	12.00	---	---	SPEED LIMIT 45 MPH
0080	12-17	154+07	'WB82'	LT	JV	24	X	93	---	---	1	---	---	15.50	---	---	JCT EAST 82
0080	12-18	154+08	'WB82'	LT	R6-1R	54	X	18	---	---	---	---	---	6.75	---	---	ONE WAY
0080	12-19	154+08	'WB82'	LT	R1-1	36	X	36	---	1	---	---	---	7.50	---	---	STOP
0080	12-20	154+08	'WB82'	LT	R3-53R	24	X	30	1	---	---	---	---	5.00	---	---	RIGHT TURN ONLY
0080	12-21	154+38	'WB82'	RT	R4-7	24	X	30	1	---	---	---	---	5.00	---	---	KEEP RIGHT
0080	12-22	154+38	'WB82'	RT	R4-7	24	X	30	---	---	---	---	---	5.00	---	---	KEEP RIGHT
0080	12-23	154+58	'WB82'	RT	W12-1D	24	X	24	1	---	---	---	---	---	---	4.00	ARROWS
0080	12-24	155+08	'WB82'	RT	R3-7L	36	X	36	1	---	---	---	---	9.00	---	---	LEFT LANE MUST TURN LEFT
0080	12-25	155+08	'WB82'	LT	R5-1	36	X	36	1	---	---	---	---	9.00	---	---	DO NOT ENTER
0080	12-26	155+20	'EB82'	RT	R3-8LA	48	X	36	1	---	---	---	---	12.00	---	---	LANE DESIGNATION LEFT ONLY, THROUGH ONLY
0080	12-27	155+20	'EB82'	RT	R5-1A	42	X	30	---	---	---	---	---	8.75	---	---	WRONG WAY
0080	12-28	155+44	'WB82'	RT	W2-6	30	X	30	---	1	---	---	---	---	---	6.25	ROUNDABOUT AHEAD
0080	12-29	155+44	'WB82'	RT	W13-1	24	X	24	---	---	---	---	---	---	---	4.00	15 MPH
0080	12-30	155+44	'WB82'	LT	W2-6	30	X	30	---	1	---	---	---	---	---	6.25	ROUNDABOUT AHEAD
0080	12-31	155+44	'WB82'	LT	W13-1	24	X	24	---	---	---	---	---	---	---	4.00	15 MPH
0080	13-01	156+89	'WB82'	LT	R5-1A	42	X	30	---	---	---	---	---	8.75	---	---	WRONG WAY
0080	13-02	156+89	'WB82'	LT	J1-2	48	X	39	---	2	---	---	---	13.00	---	---	JCT IH 90 / JCT IH 94
0080	13-03	157+62	'EB82'	RT	R5-1	36	X	36	1	---	---	---	---	9.00	---	---	DO NOT ENTER
0080	13-04	157+74	'WB82'	RT	R4-7	36	X	48	---	1	---	---	---	12.00	---	---	KEEP RIGHT
0080	13-08	159+00	'EB82'	LT	R4-7	36	X	48	---	1	---	---	---	12.00	---	---	KEEP RIGHT
0080	13-05	158+19	'WB82'	LT	R1-1	36	X	36	---	---	1	---	---	6.25	---	---	STOP
0080	13-06	158+19	'WB82'	LT	R6-3A	30	X	24	---	---	---	---	---	5.00	---	---	DIVIDED HIGHWAY
0080	13-07	158+19	'WB82'	LT	W12-1D	24	X	24	---	---	---	---	---	---	---	4.00	ARROWS
0080	13-09	159+35	'WB82'	LT	R5-1	36	X	36	1	---	---	---	---	9.00	---	---	DO NOT ENTER
0080	13-10	160+80	'WB82'	LT	R5-1A	42	X	30	---	---	---	---	---	8.75	---	---	WRONG WAY, MOUNT ON EXISTING POST
0080	14-01	161+89	'WB82'	LT	R3-8LAR	72	X	36	2	---	---	---	---	18.00	---	---	LANE DESIGNATION LEFT ONLY, THROUGH ONLY, RIGHT ONLY
0080	14-02	162+21	'WB82'	RT	R4-7	36	X	48	---	1	---	---	---	12.00	---	---	KEEP RIGHT
0080	14-03	162+62	'EB82'	RT	R6-2L	36	X	48	---	1	---	---	---	12.00	---	---	ONE WAY
0080	14-04	163+82	'WB82'	LT	R5-1	36	X	36	1	---	---	---	---	9.00	---	---	DO NOT ENTER
0080	14-05	164+89	'WB82'	LT	R5-1A	42	X	30	1	---	---	---	---	8.75	---	---	WRONG WAY
0080	15-01	167+05	'EB82'	RT	W6-2	36	X	36	1	---	---	---	---	9.00	---	---	END DIVIDED HIGHWAY
0080	15-02	168+76	'WB82'	LT	R6-3A	30	X	24	---	---	---	---	---	5.00	---	---	DIVIDED HIGHWAY, MOUNT ON EXISTING POST
0080	15-03	169+24	'EB82'	RT	R6-2L	24	X	30	---	1	---	---	---	5.00	---	---	ONE WAY
0080	15-04	170+09	'WB82'	LT	R5-1	30	X	30	1	---	---	---	---	6.25	---	---	DO NOT ENTER
0080	15-05	170+80	'EB82'	LT	W5-54	18	X	18	---	---	---	---	---	---	---	2.25	OBJECT MARKER MOUNTED UNDER EXISTING KEEP RIGHT
0080		UNDISTRIBUTED							---	3	---	---	---	---	---	---	UNDISTRIBUTED FOR MOVING SIGNS
								STAGE 2 SUBTOTAL	18	21	2	0	0	325.63	0.00	62.50	
								TOTAL 0080	18	21	2	0	0	325.63	0.00	62.50	
								PROJECT TOTAL	58	64	22	18	5	1244.15	40.00	211.00	

3

MOVING SIGNS

CATEGORY	SIGN NO.	STATION	ALIGNMENT	LOCATION	* 638.2101 MOVING SIGNS TYPE I EACH	* 638.2102 MOVING SIGNS TYPE II EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS EACH	* 638.4100 MOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	REMARKS
STAGE 2									
0010	M7-01	1027+47	'EB'	RT	---	1	2	---	SPEED LIMIT 70
				STAGE 2 SUBTOTAL	0	1	2	0	
STAGE 3									
0010	M6-01	1010+97	'WB'	LT	1	---	---	2	ELROY-SPARTA/THE "400" STATE TRAILS
				STAGE 3 SUBTOTAL	1	0	0	2	
STAGE 4									
0010	M1-01	940+17	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-68.4
0010	M1-02	940+17	'WB'	RT	---	1	1	---	ENHANCED REFERENCE MARKER-68.4
0010	M2-02	950+72	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-68.6
0010	M2-03	950+72	'WB'	RT	---	1	1	---	ENHANCED REFERENCE MARKER-68.6
0010	M2-05	961+92	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-68.8
0010	M2-06	961+92	'WB'	RT	---	1	1	---	ENHANCED REFERENCE MARKER-68.8
0010	M3-01	971+77	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-69.0
0010	M3-02	971+77	'WB'	RT	---	1	1	---	ENHANCED REFERENCE MARKER-69.0
0010	M4-01	982+40	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-69.2
0010	M4-02	982+40	'WB'	RT	---	1	1	---	ENHANCED REFERENCE MARKER-69.2
0010	M4-07	993+50	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-69.4
0010	M4-08	993+50	'WB'	RT	---	1	1	---	ENHANCED REFERENCE MARKER-69.4
0010	M5-01	1003+31	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-69.6
0010	M5-02	1003+31	'WB'	RT	---	1	1	---	ENHANCED REFERENCE MARKER-69.6
0010	M6-02	1014+50	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-69.8
0010	M6-03	1014+50	'WB'	RT	---	1	1	---	ENHANCED REFERENCE MARKER-69.8
0010	M6-04	1023+80	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-70.0
0010	M6-05	1023+80	'WB'	RT	---	1	1	---	ENHANCED REFERENCE MARKER-70.0
0010	M7-03	1034+82	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-70.2
0010	M7-04	1034+82	'WB'	RT	---	1	1	---	ENHANCED REFERENCE MARKER-70.2
0010	M7-05	1045+36	'EB'	LT	---	1	1	---	ENHANCED REFERENCE MARKER-70.4
0010	M7-06	1038+00	'WB'	RT	---	1	1	---	SLOWER TRAFFIC KEEP RIGHT
				STAGE 4 SUBTOTAL	0	22	22	0	
				TOTAL 0010	1	23	24	2	
STAGE 2									
0080	M8-01	133+08	'WB82'	RT	---	1	1	---	ONE WAY
0080	M14-01	163+29	'WB82'	LT	---	1	1	---	SPEED LIMIT 45 MPH
0080	M14-02	166+19	'EB82'	RT	---	1	1	---	WRONG WAY
0080	M15-01	167+81	'EB82'	RT	---	1	1	---	TWO WAY TRAFFIC
0080	M15-02	167+81	'EB82'	RT	---	1	---	---	DO NOT ENTER
0080	M16-01	176+46	'EB82'	LT	---	1	1	---	DIVIDED HIGHWAY
				STAGE 2 SUBTOTAL	0	6	5	0	
				TOTAL 0080	0	6	5	0	
				PROJECT TOTAL	1	29	29	2	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING SIGNS ITEMS

CATEGORY	SIGN NO.	STATION	ALIGNMENT	LOCATION	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	REMARKS
STAGE 2									
0010	R2-01	964+19	'EB'	RT	---	2	1	---	HOSPITAL / ARROW
0010	R2-02	964+19	'EB'	RT	2	---	---	2	EXIT 69 / STH 82/MAUSTON/OXFORD
0010	R2-03	950+61	'EB'	RT	1	---	---	2	WESTERN TECHNICAL COLLEGE
0010	R3-01	971+84	'C'	RT	---	1	2	---	STOP AHEAD
0010	R3-02	974+07	'C'	RT	---	1	1	---	J-ASSEMBLY STH 82
0010	R3-03	974+35	'C'	LT	---	1	2	---	EXIT 69
0010	R3-04	974+82	'C'	RT	---	1	1	---	NO PARKING ON RAMP
0010	R3-05	976+05	'C'	RT	---	1	2	---	WESTERN TECHNICAL COLLEGE
0010	R3-07	977+44	'C'	LT	---	1	2	---	OXFORD/MAUSTON
0010	R4-01	987+21	'EB'	RT	---	1	2	---	MERGE
0010	R5-03	1001+90	'EB'	RT	---	1	2	---	SLOWER TRAFFIC KEEP RIGHT
0010	R5-04	1008+02	'EB'	RT	---	2	2	---	IH 90/94 EAST REASSURANCE
0010	R6-01	1011+44	'EB'	RT	---	1	1	---	MILE 70
0010	R3-08	978+98	'C'	LT	---	1	2	---	BUCKHORN STATE PARK / WRONG WAY
0010	R4-02	987+21	'A'	LT	---	1	2	---	IH 90 ALTERNATE LEFT / HOSPITAL LEFT
0010	R4-03	987+91	'A'	RT	---	1	1	---	WRONG WAY
0010	R4-04	988+29	'A'	LT	---	1	2	---	BUCKHORN STATE PARK / ELROY SPARTA TRAIL / 400 TRAIL
0010	R4-05	988+97	'A'	LT	---	1	1	---	MAUSTON / NECEDAH / OXFORD
0010	R9-06	138+53	'EB82'	RT	---	1	2	---	TOMAH / OXFORD / MADISON
0010	R10-01	139+58	'WB82'	LT	---	1	2	---	MAUSTON POPULATION
0010	R10-02	139+59	'EB82'	RT	---	1	2	---	RAMP 25 MPH
0010	R10-03	140+98	'EB82'	RT	---	1	1	---	WRONG WAY
0010	R10-04	140+95	'WB82'	LT	---	1	2	---	WEST STH 82 / ALT IH 90/94
0010	R10-05	142+09	'WB82'	LT	---	1	1	---	DO NOT ENTER
0010	R10-06	142+20	'WB82'	LT	---	1	1	---	STOP
0010	R10-08	142+50	'WB82'	LT	---	1	1	---	ARROWS
0010	R10-09	142+51	'WB82'	LT	---	1	1	---	STOP / DIVIDED HIGHWAY
0010	R10-07	142+41	'WB82'	RT	---	1	1	---	ALT IH 90
0010	R10-11	142+79	'EB82'	RT	---	1	1	---	EAST IH 90/94 RIGHT
0010	R10-10	142+58	'EB82'	RT	---	1	1	---	STOP
0010	R10-12/R10-1	143+03	'EB82'	LT	---	1	1	---	NO LEFT TURN / DO NOT ENTER
0010	R10-13	142+89	'WB82'	LT	---	1	1	---	STOP
0010	R10-14/R10-1	143+01	'WB82'	LT	---	1	1	---	EAST STH 82 LEFT / WEST STH 82 RIGHT / DO NOT ENTER
0010	R10-17	143+76	'EB82'	RT	---	1	1	---	STOP
0010	R10-18	143+85	'EB82'	RT	---	1	1	---	EAST STH 82 LEFT
0010	R10-19	143+91	'EB82'	RT	---	1	1	---	ONE WAY
0010	R10-20	143+98	'WB82'	RT	---	1	1	---	KEEP RIGHT
0010	R10-22	144+21	'WB82'	RT	---	1	1	---	DO NOT ENTER
0010	R10-21	144+25	'EB82'	LT	---	1	1	---	CLEARANCE 14' 7"
0010	R10-23	144+23	'EB82'	RT	---	1	1	---	CLEARANCE 14' 7"
0010	R10-24	144+63	'EB82'	RT	---	1	1	---	PATH NARROWS
0010	R10-25	144+83	'EB82'	RT	---	1	1	---	WEST IH 90/94 ADVANCED RIGHT
0010	R10-26	144+83	'EB82'	RT	---	1	1	---	EAST STH 82 AHEAD
0010	R10-27	144+93	'EB82'	LT	---	1	1	---	TOMAH
0010	R11-01	145+29	'WB82'	RT	---	1	1	---	WRONG WAY
0010	R11-02	145+40	'WB82'	RT	---	1	1	---	EAST IH 90/94 LEFT
0010	R11-03	146+43	'WB82'	RT	---	1	1	---	MADISON
0010	R11-04	146+53	'WB82'	LT	---	1	1	---	WEST STH 82
0010	R11-09	147+08	'WB82'	LT	---	1	1	---	CLEARANCE 15' 6"
0010	R11-08	147+07	'WB82'	RT	---	1	1	---	CLEARANCE 15' 6"
0010	R11-06/R11-0	147+09	'EB82'	LT	---	1	1	---	WEST IH 90/94 ADVANCE ARROW/WRONG WAY
0010	R11-05	147+01	'EB82'	RT	---	1	1	---	PATH NARROWS
0010	R11-10	147+46	'EB82'	RT	---	1	1	---	WRONG WAY
0010	R11-12	148+00	'WB82'	LT	---	1	1	---	EAST IH 90/94 ADVANCED LEFT
0010	R11-11/R11-1	148+42	'WB82'	RT	---	1	1	---	WEST IH 90/94 LEFT / KEEP RIGHT
0010	R11-14/R11-1	148+56	'EB82'	RT	---	1	1	---	NO RIGHT TURN / DO NOT ENTER
0010	R11-16	148+55	'WB82'	LT	---	1	1	---	BUSINESS DISTRICT

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REMOVING SIGNS ITEMS

CATEGORY	SIGN NO.	STATION	ALIGNMENT	LOCATION	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	REMARKS
0010	R11-17	148+60	'WB82'	LT	---	1	1	---	ONE WAY
0010	R11-18	148+94	'EB82'	RT	---	1	1	---	DO NOT ENTER
0010	R11-19	149+16	'EB82'	RT	---	1	1	---	STOP
0010	R11-20	149+19	'EB82'	RT	---	1	1	---	STOP
0010	R11-21	149+42	'EB82'	RT	---	1	1	---	STOP/DIVIDED HIGHWAY/DOWN ARROWS
0010	R11-23	149+78	'EB82'	RT	---	1	1	---	STOP
0010	R11-22	149+47	'EB82'	RT	---	1	1	---	WEST STH 82 LEFT / EAST STH 82 RIGHT
0010	R11-24	149+81	'WB82'	LT	---	1	1	---	NO LEFT TURN
0010	R11-25/R11-2	149+82	'WB82'	LT	---	1	1	---	DO NOT ENTER / WEST IH 90/94 RIGHT
0010	R12-01	151+54	'WB82'	LT	---	1	1	---	WRONG WAY
0010	R12-02	151+48	'EB82'	RT	---	1	1	---	EAST STH 82 / 40 TON BRIDGE 9 MILES AHEAD
0010	R12-03	151+79	'WB82'	LT	---	1	1	---	CLEARANCE 15' 6" / 500 FT AHEAD
0010	R12-04/R12-0	151+67	'WB82'	RT	---	1	1	---	EAST STH 82 / 40 TON BRIDGE 9 MILES AHEAD / CLEARANCE 15' 6" / 500 FT AHEAD
				STAGE 2 SUBTOTAL	3	70	82	4	
STAGE 3									
0010	R1-01	948+64	'WB'	LT	---	1	1	---	SPEED LIMIT 70
0010	R2-01	961+05	'WB'	LT	---	1	1	---	MILE 69
0010	R3-06	976+93	'WB'	LT	---	1	2	---	MERGE
0010	R4-06	990+18	'A'	LT	---	1	2	---	WESTERN TECHNICAL COLLEGE
0010	R4-07	990+75	'A'	RT	---	1	1	---	NO PARKING ON RAMP
0010	R4-08	991+00	'A'	RT	---	1	2	---	EXIT 69
0010	R4-09	991+63	'A'	RT	---	1	2	---	STOP AHEAD
0010	R5-01	998+17	'WB'	LT	---	2	1	---	HOSPITAL / ARROW
0010	R5-02	1000+17	'WB'	LT	2	---	---	2	EXIT 69 / STH 82/MAUSTON/OXFORD
0010	R6-01	1020+22	'WB'	LT	1	---	---	1	WESTERN TECHNICAL COLLEGE
0010	R6-02	1011+55	'WB'	LT	---	1	1	---	MILE 70
				STAGE 3 SUBTOTAL	3	10	13	3	
				TOTAL 0010	6	80	95	7	

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REMOVING SIGNS ITEMS

CATEGORY	SIGN NO.	STATION	ALIGNMENT	LOCATION	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	REMARKS
STAGE 2									
0080	R8-01	130+43	'EB82'	RT	---	1	1	---	JCT IH 90/94
0080	R8-03	131+83	'EB82'	RT	---	1	1	---	CLEARANCE 14' 7" / 1/4 MILE AHEAD
0080	R8-04	131+84	'EB82'	RT	---	1	1	---	NO PARKING
0080	R8-02	131+83	'EB82'	LT	---	1	1	---	CLEARANCE 14' 7" / 1/4 MILE AHEAD
0080	R8-05	133+97	'WB82'	LT	---	1	1	---	DO NOT ENTER
0080	R8-06	134+15	'WB82'	LT	---	1	1	---	NO PARKING
0080	R9-01	135+03	'EB82'	RT	---	1	1	---	NO PARKING
0080	R9-02	135+50	'WB82'	LT	---	1	1	---	TRAFFIC SIGNAL AHEAD
0080	R9-03	136+59	'EB82'	RT	---	1	1	---	SPEED LIMIT 45 MPH
0080	R9-04	138+06	'EB82'	RT	---	1	1	---	NO PARKING
0080	R9-05	138+18	'WB82'	LT	---	1	1	---	SPEED LIMIT 35 MPH
0080	R12-06	153+02	'EB82'	RT	---	1	1	---	SPEED LIMIT 45 MPH
0080	R12-07	153+54	'EB82'	RT	---	1	1	---	PEDISTRIAN CROSSING AHEAD
0080	R12-08	153+90	'WB82'	RT	---	1	1	---	KEEP RIGHT / DIVIDED HIGHWAY
0080	R12-09	153+98	'WB82'	LT	---	1	1	---	MADISON / MAUSTON / TOMAH
0080	R12-10	154+89	'EB82'	LT	---	1	1	---	KEEP RIGHT
0080	R12-11	155+51	'WB82'	RT	---	1	2	---	WESTERN TECH COLLEGE
0080	R12-12	155+66	'WB82'	LT	---	1	1	---	SPEED LIMIT 45 MPH
0080	R13-01	156+01	'EB82'	LT	---	1	1	---	YIELD
0080	R13-02	156+38	'EB82'	LT	---	1	1	---	ONE WAY
0080	R13-03	156+58	'EB82'	RT	---	1	1	---	YIELD
0080	R13-04	157+35	'WB82'	LT	---	1	1	---	WEST IH 90/94 ADVANCED ARROW
0080	R13-05	157+62	'EB82'	RT	---	1	1	---	PEDISTRIAN CROSSING ARROW
0080	R13-06	157+63	'WB82'	LT	---	1	1	---	PEDISTRIAN CROSSING ARROW
0080	R13-07	157+86	'EB82'	LT	---	1	1	---	KEEP RIGHT
0080	R13-08	158+19	'WB82'	LT	---	1	1	---	STOP/ DIVIDED HIGHWAY
0080	R13-09	159+01	'EB82'	LT	---	1	1	---	KEEP RIGHT
0080	R13-10	159+57	'EB82'	RT	---	1	1	---	MERGE RIGHT
0080	R14-01	161+86	'WB82'	LT	---	1	1	---	PEDISTRIAN CROSSING AHEAD
0080	R14-02	165+31	'WB82'	LT	---	1	1	---	JCT IH 90/94
				STAGE 2 SUBTOTAL	0	30	31	0	
				TOTAL 0080	0	30	31	0	
				PROJECT TOTAL	6	110	126	7	

TRAFFIC CONTROL DETOUR

CATEGORY	STATION	TO	STATION	LOCATION	DURATION DAYS	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH**	DAY	* 643.1051 TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS EACH**	DAY	REMARKS
0010	925+00EB	-	1050+00EB	STH 82 NIGHT TIME BRIDE WORK	74	14	1,036	18	1,332	93	6,882	2	148	PCMS TO BE PLACED 7 DAYS PRIOR TO DETOUR
				TOTAL 0010			1,036		1,332		6,882		148	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**FOR INFORMATION ONLY

TRAFFIC CONTROL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	DURATION DAYS	* 638.2101 MOVING SIGNS TYPE I EACH	* 638.2102 MOVING SIGNS TYPE II EACH	* 638.4000 MOVING SMALL SIGN SUPPORTS EACH	* 638.4100 MOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	643.0300 TRAFFIC CONTROL DRUMS EACH**	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II EACH**	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAY	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	REMARKS
STAGE 2A																				
0010	925+00EB	-	1050+00EB	IH 90/94 EB	121	1	2	---	1	124	15,004	—	—	15	1,815	30	3,630	52	6,292	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	121	—	—	—	—	47	5,687	—	—	3	363	6	726	36	4,356	
0010	127+87EB82	-	182+64EB82	STH 82	15	—	—	—	—	312	4,680	3	45	23	345	46	690	32	480	
				SUBTOTAL		1	2	0	1		25,371		45		2,523		5,046		11,128	
STAGE 2B																				
0010	127+87EB82	-	182+64EB82	STH 82	35	—	24	12	—	246	8,610	2	70	38	1,330	76	2,660	22	770	
				SUBTOTAL		0	24	12	0		8,610		70		1,330		2,660		770	
STAGE 2C		-																		
0010	925+00EB	-	1050+00EB	IH 90/94 EB	15	—	—	—	—	250	3,750	—	—	21	315	42	630	132	1,980	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	15	—	—	—	—	19	285	—	—	1	15	2	30	8	120	
0010	127+87EB82	-	182+64EB82	STH 82	15	—	—	—	—	284	4,260	2	30	47	705	94	1,410	22	330	
				SUBTOTAL		0	0	0	0		8,295		30		1,035		2,070		2,430	
STAGE 2D																				
0010	127+87EB82	-	182+64EB82	STH 82	41	—	—	—	—	229	9,389	14	574	40	1,640	80	3,280	48	1,968	INCLUDE PHASE 1 & 2 AT COMMERCIAL ST
				SUBTOTAL		0	0	0	0		9,389		574		1,640		3,280		1,968	
STAGE 2E																				
0010	127+87EB82	-	182+64EB82	STH 82	29	—	—	—	—	218	6,322	2	58	42	1,218	84	2,436	32	928	
				SUBTOTAL		0	0	0	0		6,322		58		1,218		2,436		928	
STAGE 2F																				
0010	127+87EB82	-	182+64EB82	STH 82	34	—	—	—	—	135	4,590	—	—	9	306	18	612	10	340	
				SUBTOTAL		0	0	0	0		4,590		0		306		612		340	
STAGE 2G																				
0010	127+87EB82	-	182+64EB82	STH 82	33	—	—	—	—	57	1,881	2	66	12	396	24	792	—	0	
				SUBTOTAL		0	0	0	0		1,881		66		396		792		0	
STAGE 3A																				
0010	925+00EB	-	1050+00EB	IH 90/94 EB	79	—	—	—	—	65	5,135	—	—	2	158	4	316	21	1,659	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	79	—	—	—	—	68	5,372	—	—	21	1,659	42	3,318	24	1,896	
0010	20+00G	-	23+00G	CTH G	14	---	---	---	---	30	420	2	28	3	42	6	84	22	308	
				SUBTOTAL		0	0	0	0		10,927		28		1,859		3,718		3,863	
STAGE 3 WINTER SHUTDOWN																				
0010	925+00EB	-	1050+00EB	IH 90/94 EB	102	—	—	—	—	66	6,732	—	—	2	204	4	408	17	1,734	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	102	—	—	—	—	24	2,448	—	—	3	306	6	612	13	1,326	
				SUBTOTAL		0	0	0	0		9,180		0		510		1,020		3,060	
STAGE 3B																				
0010	925+00EB	-	1050+00EB	IH 90/94 EB	107	1	—	—	1	64	6,848	—	—	2	214	4	428	21	2,247	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	107	---	—	—	---	53	5,671	—	—	21	2,247	42	4,494	24	2,568	
				SUBTOTAL		1	0	0	1		12,519		0		2,461		4,922		4,815	
STAGE 3C																				
0010	925+00EB	-	1050+00EB	IH 90/94 EB	15	—	—	—	—	54	810	—	—	2	30	4	60	17	255	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	15	—	—	—	—	155	2,325	—	—	14	210	28	420	12	0	
				SUBTOTAL		0	0	0	0		3,135		0		240		480		255	
STAGE 4																				
0010	925+00EB	-	1050+00EB	IH 90/94 EB	58	—	—	—	—	16	928	—	—	2	116	4	232	5	290	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	58	—	—	—	—	22	1,276	—	—	2	116	4	232	6	348	
				SUBTOTAL		0	0	0	0		2,204		0		232		464		638	
UNDISTRIBUTED																				
0010	PROJECT					1	2	1	1		5,122		44		688		1,375		1,510	5% UNDISTRIBUTED
				TOTAL 0010		3	28	13	3		107,545		915		14,438		28,875		31,705	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**FOR INFORMATION ONLY

TRAFFIC CONTROL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	DURATION DAYS	643.0800* TRAFFIC CONTROL ARROW BOARDS EACH**	643.0800* TRAFFIC CONTROL ARROW BOARDS DAY	643.0900* TRAFFIC CONTROL SIGNS EACH**	643.0900* TRAFFIC CONTROL SIGNS DAY	643.1051* TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS EACH**	643.1051* TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS DAY	643.1205.S BASIC TRAFFIC QUEUE WARNING SYSTEM EACH**	643.1205.S BASIC TRAFFIC QUEUE WARNING SYSTEM DAY	644.1601 TEMPORARY PEDESTRIAN CURB RAMP EACH**	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	SPV.0045.01 SPECIAL (01. TEMPORARY DETECTABLE WARNING EACH**	SPV.0045.01 SPECIAL (01. TEMPORARY DETECTABLE WARNING DAY	SPV.0045.02 SPECIAL (02. TEMPORARY CROSSWALK) EACH**	SPV.0045.02 SPECIAL (02. TEMPORARY CROSSWALK) DAY	SPV.0045.03 SPECIAL (03. COMBINATION WORK ZONE DIGITAL SPEED EACH**	SPV.0045.03 SPECIAL (03. COMBINATION WORK ZONE DIGITAL SPEED DAY	REMARKS
STAGE 2A																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	121	—	—	39	4,719	1	121	1	121	—	0	—	—	—	—	—	1	121	IH 90/94 EB OFF-RAMP BARRIER
0010	925+00WB	-	1050+00WB	IH 90/94 WB	121	—	—	19	2,299	1	121	—	—	—	0	—	—	—	—	—	1	121	
0010	127+87EB82	-	182+64EB82	STH 82	15	1	15	46	690	2	30	—	—	1	15	—	1	15	—	—	—	—	
				SUBTOTAL			15		7,708		272		121		15	0		15		0		242	
STAGE 2B																							
0010	127+87EB82	-	182+64EB82	STH 82	35	1	35	51	1,785	2	70	—	—	1	35	—	1	35	3	105	—	—	
				SUBTOTAL			35		1,785		70		0		35	0		35		105		0	
STAGE 2C		-																					
0010	925+00EB	-	1050+00EB	IH 90/94 EB	15	—	—	41	615	1	15	1	15	—	---	—	—	—	—	—	1	15	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	15	—	—	21	315	1	15	—	—	—	---	—	—	—	—	—	1	15	
0010	127+87EB82	-	182+64EB82	STH 82	15	1	15	55	825	2	30	—	—	3	45	—	3	45	1	15	—	—	
				SUBTOTAL			15		1,755		60		15		45	0		45		15		30	
STAGE 2D																							
0010	127+87EB82	-	182+64EB82	STH 82	41	1	41	60	2,460	2	82	—	—	4	164	1,060	5	205	3	123	—	—	INCLUDE PHASE 1 & 2 AT COMMERCIAL ST
				SUBTOTAL			41		2,460		82		0		164	1,060		205		123		0	
STAGE 2E																							
0010	127+87EB82	-	182+64EB82	STH 82	29	1	29	53	1,537	2	58	—	—	—	---	—	4	116	—	—	—	—	
				SUBTOTAL			29		1,537		58		0		0	0		116		0		0	
STAGE 2F																							
0010	127+87EB82	-	182+64EB82	STH 82	34	1	34	25	850	2	68	—	—	—	---	—	4	136	—	—	—	—	
				SUBTOTAL			34		850		68		0		0	0		136		0		0	
STAGE 2G																							
0010	127+87EB82	-	182+64EB82	STH 82	33	—	—	21	693	2	66	—	—	—	---	—	—	—	—	—	—	—	
				SUBTOTAL			0		693		66		0		0	0		0		0		0	
STAGE 3A																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	79	—	—	19	1,501	1	79	—	0	—	—	—	—	—	—	—	1	79	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	79	—	—	47	3,713	1	79	1	79	—	—	—	—	—	—	—	1	79	
0010	20+00G	-	23+00G	CTH G	14	---	---	20	280	---	---	---	---	---	---	---	---	---	2	28	---	---	TEMPORARY PEDESTRIAN ITEMS INCLUDED UNDER TEMPORARY CROSSWALK SPV
				SUBTOTAL			0		5,494		158		79		0	0		0		28		158	
STAGE 3 WINTER SHUTDOWN																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	102	—	—	19	1,938	1	102	—	—	—	—	—	—	—	—	—	—	—	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	102	—	—	23	2,346	1	102	—	—	—	—	—	—	—	—	—	—	—	
				SUBTOTAL			0		4,284		204		0		0	0		0		0		0	
STAGE 3B																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	107	—	—	19	2,033	1	107	—	0	—	0	0	—	—	—	—	1	107	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	107	—	—	41	4,387	1	107	1	107	—	0	0	—	—	—	—	1	107	
				SUBTOTAL			0		6,420		214		107		0	0		0		0		214	
STAGE 3C																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	15	—	—	19	285	1	15	—	—	—	—	—	—	—	—	—	1	15	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	15	—	—	43	645	1	15	1	15	—	—	—	—	—	—	—	1	15	
				SUBTOTAL			0		930		30		15		0	0		0		0		30	
STAGE 4																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	58	—	—	18	1,044	1	58	—	—	—	—	—	—	—	—	—	1	58	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	58	—	—	18	1,044	1	58	—	—	—	—	—	—	—	—	—	1	58	
				SUBTOTAL			0		2,088		116		0		0	0		0		0		116	
UNDISTRIBUTED																							
0010	PROJECT						9		1,801		70		17		13	53		28		14		40	5% UNDISTRIBUTED
				TOTAL 0010			178		37,805		1,468		354		272	1,113		580		285		830	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

**FOR INFORMATION ONLY

PERMANENT PAVEMENT MARKINGS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH LF	646.1555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7220 MARKING CHEVRON EPOXY 24-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	REMARKS
STAGE 2																		
0010	947+02	-	964+88	'EB'	RT	---	1,785	---	---	---	---	---	1,785	---	---	---	---	WHITE
0010	947+02	-	1030+01	'EB'	RT	---	---	2,075	---	---	---	---	2,075	---	---	---	---	WHITE SKIPS
0010	956+75	-	964+88	'EB'	RT	---	---	---	---	204	---	---	---	204	---	---	---	WHITE SKIPS
0010	964+87	-	978+38	'C'	RT	---	1,352	---	---	---	---	---	1,352	---	---	---	---	WHITE
0010	964+88	-	970+19	'EB'	RT	---	---	---	---	1,014	---	---	---	1,014	---	337	---	WHITE, GORE
0010	970+16	-	978+39	'C'	LT	---	826	---	---	---	---	---	826	---	---	---	---	YELLOW
0010	970+19	-	991+49	'EB'	RT	---	2,131	---	---	---	---	---	2,131	---	---	---	---	WHITE
0010	981+82	-	991+52	'D'	LT	---	966	---	---	---	---	---	966	---	---	---	---	YELLOW
0010	981+82	-	994+40	'D'	RT	---	1,258	---	---	---	---	---	1,258	---	---	---	---	WHITE
0010	99449+	-	996+68	'EB'	RT	---	---	---	---	986	---	---	---	986	---	---	---	WHITE, GORE
0010	994+40	-	1030+01	'EB'	RT	---	3,567	---	---	---	---	---	3,567	---	---	---	---	WHITE
0010	996+68	-	998+29	'EB'	RT	---	---	---	---	41	---	---	---	41	---	---	---	WHITE SKIPS
0010	138+43		140+71	'EB82'	RT	---	---	---	172	---	---	---	---	---	31	---	35	
0010	138+41	-	140+68	'WB82'	LT	146	---	---	---	---	---	---	---	---	---	---	43	
0010	10+00	-	12+47	'SWBP'	RT	35	---	---	119	---	---	---	---	---	---	---	32	
0010	10+00	-	13+47	'WRAB'	RT	---	---	---	260	---	---	66	---	---	---	---	---	
0010	981+47	-	981+83	'D'	LT & RT	---	26	---	---	---	---	---	---	---	---	---	51	
0010	981+63	-	981+78	'D'	LT & RT	---	19	---	---	---	---	---	---	---	---	---	---	YELLOW
0010	978+39	-	980+75	'C'	RL	---	261	---	---	---	---	---	---	---	---	---	34	
0010	978+39	-	980+70	'C'	LT	---	231	---	---	---	---	---	---	---	---	---	---	YELLOW
0010	142+55	-	148+24	'EB82'	RT	612	---	---	---	---	---	---	---	---	---	---	---	
0010	142+55	-	148+24	'EB82'	RT	570	---	---	---	---	---	---	---	---	---	---	---	YELLOW
0010	142+56	-	148+25	'WB82'	LT	610	---	---	---	---	---	---	---	---	---	---	---	
0010	142+56	-	148+25	'WB82'	LT	569	---	---	---	---	---	---	---	---	---	---	---	YELLOW
0010	10+00	-	13+84	'ERAB'	RT	---	---	---	286	---	---	66	---	---	---	---	---	
0010	986+67	-	989+02	'A'	RL	---	253	---	---	---	---	---	---	---	---	---	35	
0010	986+67	-	989+02	'A'	RT	---	234	---	---	---	---	---	---	---	---	---	---	YELLOW
0010	985+45	-	985+68	'B'	RT	---	23	---	---	---	---	---	---	---	---	---	52	
0010	985+45	-	985+78	'B'	RT	---	20	---	---	---	---	---	---	---	---	---	---	YELLOW
0010	150+24	-	152+70	'EB82'	LT & RT	254	---	---	80	---	---	---	---	---	---	---	45	
0010	150+60	-	152+70	'EB82'	RT	238	---	---	---	---	---	---	---	---	---	---	---	YELLOW
0010	150+20	-	152+66	'WB82'	LT	61	---	---	210	---	---	---	---	---	37	---	35	
0010	150+07	-	152+66	'WB82'	LT	250	---	---	---	---	---	---	---	---	---	---	---	YELLOW
0010	10+00	-	12+66	'NEBP'	RT	298	---	---	137	---	---	---	---	---	---	---	33	
0010	10+05	-	11+29	'NEBP'	RL	114	---	---	---	---	---	---	---	---	---	---	---	YELLOW
					STAGE 2 SUBTOTAL	3,757	12,952	2,075	1,264	2,245	0	132	13,960	2,245	68	337	395	
STAGE 3																		
0010	944+01	-	1029+90	'WB'	LT	---	2,701	---	---	---	---	---	2,701	---	---	---	---	WHITE
0010	944+01	-	1029+90	'WB'	LT	---	---	2,147	---	---	---	---	2,147	---	---	---	---	WHITE SKIPS
0010	958+14	-	968+15	'WB'	LT	---	---	---	---	251	---	---	---	251	---	---	---	WHITE SKIPS
0010	968+15	-	973+59	'WB'	LT	---	---	---	---	1,036	---	---	---	1,036	---	---	---	WHITE, GORE
0010	971+00	-	985+45	'B'	LT	---	1,446	---	---	---	---	---	1,446	---	---	---	---	WHITE
0010	973+55	-	985+45	'B'	RT	---	1,185	---	---	---	---	---	1,185	---	---	---	---	YELLOW
0010	973+59	-	995+22	'WB'	LT	---	2,165	---	---	---	---	---	2,165	---	---	---	---	WHITE
0010	989+01	-	999+38	'A'	LT	---	1,037	---	---	---	---	---	1,037	---	---	---	---	WHITE
0010	989+01	-	995+24	'A'	RT	---	624	---	---	---	---	---	624	---	---	---	---	YELLOW
0010	995+22	-	999+38	'WB'	LT	---	---	---	---	781	---	---	---	781	---	232	---	WHITE, GORE
0010	999+38	-	1007+91	'WB'	LT	---	---	---	---	214	---	---	---	214	---	---	---	WHITE SKIPS
0010	999+38	-	1029+92	'WB'	LT	---	3,047	---	---	---	---	---	3,047	---	---	---	---	WHITE
					STAGE 3 SUBTOTAL	0	12,205	2,147	0	2,282	0	0	14,352	2,282	0	232	0	

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PERMANENT PAVEMENT MARKINGS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH LF	646.1555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7220 MARKING CHEVRON EPOXY 24-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	REMARKS
STAGE 4																		
0010	947+02	-	1030+01	'EB'	LT	---	8,299	---	---	---	---	---	8,299	---	---	---	---	YELLOW
0010	944+01	-	1029+90	'WB'	RT	---	8,588	---	---	---	---	---	8,588	---	---	---	---	YELLOW
					STAGE 4 SUBTOTAL	0	16,887	0	0	0	0	0	16,887	0	0	0	0	
					TOTAL 0010	3,757	42,044	4,222	1,264	4,527	0	132	45,199	4,527	68	569	395	
STAGE 2																		
0080	131+84	-	138+43	'EB82'	RT	711	---	---	61	---	---	---	---	---	---	---	---	
0080	152+70	-	158+00	'EB82'	LT & RT	525	---	---	772	---	---	---	---	---	156	---	104	
0080	152+70	-	158+00	'EB82'	LT	477	---	---	---	---	---	---	---	---	---	---	---	YELLOW
0080	158+00	-	169+00	'EB82'	LT & RT	1,100	---	---	357	---	---	---	---	---	---	---	---	
0080	158+00	-	169+00	'EB82'	LT	323	---	---	---	---	---	---	---	---	---	---	---	YELLOW
0080	169+00	-	176+48	'EB82'	LT & RT	1,295	---	---	161	---	---	---	---	---	---	---	---	
0080	169+00	-	176+48	'EB82'	LT & RT	1,118	---	---	---	---	---	---	---	---	---	---	---	YELLOW
0080	130+22	-	138+41	'WB82'	LT	896	---	---	115	---	---	---	---	---	---	---	---	
0080	130+22	-	138+41	'WB82'	LT	50	---	---	---	---	---	---	---	---	---	---	---	YELLOW
0080	152+66	-	158+00	'WB82'	LT	503	---	---	106	---	18	---	---	---	---	---	67	
0080	152+66	-	158+00	'WB82'	LT	443	---	---	77	---	---	---	---	---	---	---	---	YELLOW
0080	158+00	-	169+00	'WB82'	LT & RT	851	---	---	1116	---	---	---	---	---	143	---	145	
0080	158+00	-	169+00	'WB82'	RT	757	---	---	---	---	---	---	---	---	---	---	---	YELLOW
					STAGE 2 SUBTOTAL	9,049	0	0	2,765	0	18	0	0	0	299	0	316	
					TOTAL 0080	9,049	0	0	2,765	0	18	0	0	0	299	0	316	
					PROJECT TOTAL	12,806	42,044	4,222	4,029	4,527	18	132	45,199	4,527	367	569	711	

MARKING ARROW / WORD / CURB / ISLAND NOSE

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	REMARKS
STAGE 2										
0010	10+00	-	12+47	'SWBP'	RT	1	1	---	---	
0010	150+24	-	152+70	'EB82'	LT & RT	1	---	---	---	
0010	10+00	-	12+66	'NEBP'	RT	1	1	---	---	
					STAGE 2 SUBTOTAL	3	2	0	0	
STAGE 3										
0010	950+74	-	---	'WB'	LT	1	---	---	---	
0010	956+99	-	---	'WB'	LT	1	---	---	---	
					STAGE 3 SUBTOTAL	2	0	0	0	
					TOTAL 0010	5	2	0	0	
STAGE 2										
0080	131+84	-	138+43	'EB82'	RT	1	---	---	---	
0080	152+70	-	158+00	'EB82'	LT & RT	3	1	---	---	
0080	152+70	-	158+00	'EB82'	LT	---	---	95	4	YELLOW
0080	158+00	-	169+00	'EB82'	LT & RT	2	---	---	---	
0080	169+00	-	176+48	'EB82'	LT & RT	2	---	---	---	
0080	130+22	-	138+41	'WB82'	LT	1	---	---	---	
0080	152+66	-	158+00	'WB82'	LT	3	---	---	---	YELLOW
0080	158+00	-	169+00	'WB82'	LT & RT	4	2	---	---	
0080	158+00	-	169+00	'WB82'	RT	---	---	101	2	YELLOW
					STAGE 2 SUBTOTAL	16	3	196	6	
					TOTAL 0080	16	3	196	6	
					PROJECT TOTAL	21	5	196	6	

CONSTRUCTION STAKING STRUCTURE LAYOUT

CATEGORY	STATION	ALIGNMENT	LOCATION	650.6500.01 CONSTRUCTION STAKING STRUCTURE LAYOUT (STRUCTURE) (01. S-29-0011) LS	650.6500.02 CONSTRUCTION STAKING STRUCTURE LAYOUT (STRUCTURE) (02. S-29-0012) LS
0010	138+63	'EB82'	LT & RT	1	---
0010	152+66	'WB82'	LT & RT	---	1
			TOTAL 0010	1	1

TEMPORARY PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.1005 MARKING LINE PAINT 4-INCH YELLOW LF	646.1005 MARKING LINE PAINT 4-INCH WHITE LF	646.3005 MARKING LINE PAINT 8-INCH LF	646.7405 CROSSWALK PAINT TRANSVERSE LINE 6-INCH LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9010 REMOVAL LINE WATER BLASTING 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9110 MARKING REMOVAL LINE WATER BLASTING 8-INCH LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH YELLOW LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH WHITE LF	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH YELLOW LF	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH WHITE LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE LF	649.0205 TEMPORARY MARKING LINE PAINT 8-INCH LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	649.0850 MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	REMARKS
PRE-STAGE 2																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
				SUBTOTAL	0		0	0	0	0	0	0	0		0		0		0	0	0	0	
STAGE 2A																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	—	—	—	—	2,290	—	331	—	1,082	5,122	—	—	—	—	331	—	—	—	ASSUMES EXISTING EPOXY
0010	925+00WB	-	1050+00WB	IH 90/94 WB	—	—	—	—	---	—	—	—	—	—	—	—	—	—	—	—	—	—	MARKINGS FOR CROSSOVER END
0010	127+87EB82	-	182+64EB82	STH 82	—	—	—	286	1,154	—	—	—	—	1256	—	—	—	—	866	—	74	—	MARKING REMOVALS
				SUBTOTAL			0	286	3,444	0	331	0	7,460		0		0		1,197	0	74	0	
STAGE 2B																							
0010	127+87EB82	-	182+64EB82	STH 82	—	—	—	475	818	—	42	—	4,350	8,592	—	—	—	—	1,215	—	138	—	
				SUBTOTAL	0		0	475	818	0	42	0	12,942		0		0		1,215	0	138	0	
STAGE 2C																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	—	—	—	—	1,351	—	—	—	4,673	5,659	—	—	—	—	400	—	—	—	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	—	—	—	—	234	—	—	—	607	1,413	—	—	—	—	126	—	—	—	
0010	127+87EB82	-	182+64EB82	STH 82	—	—	—	—	—	—	—	—	—	429	—	—	—	—	—	—	33	—	
				SUBTOTAL	0		0	0	1,585	0	0	0	12,781		0		0		526	0	33	0	
STAGE 2D																							
0010	127+87EB82	-	182+64EB82	STH 82	—	—	—	196	—	—	—	—	4,225	8,192	—	—	—	—	957	—	170	—	
				SUBTOTAL	0		0	196	0	0	0	0	12,417		0		0		957	0	170	0	
STAGE 2E																							
0010	127+87EB82	-	182+64EB82	STH 82	—	—	—	—	—	—	—	—	1,989	3,517	—	—	—	—	326	—	97	—	
				SUBTOTAL	0		0	0	0	0	0	0	5,506		0		0		326	0	97	0	
STAGE 2F																							
0010	127+87EB82	-	182+64EB82	STH 82	—	—	—	—	—	—	—	—	—	209	—	—	112	349	—	—	—	—	
				SUBTOTAL	0		0	0	0	0	0	0	209		0		461		0	0	0	0	
STAGE 2G																							
0010	127+87EB82	-	182+64EB82	STH 82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
				SUBTOTAL	0		0	0	0	0	0	0	0		0		0		0	0	0	0	
PRE-STAGE 3																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
				SUBTOTAL	0		0	0	0	0	0	0	0		0		0		0	0	0	0	
STAGE 3A																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	10,982	11,984	1,169	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	—	—	—	—	12,123	—	841	—	12,682	16,436	—	—	—	—	746	—	—	—	
0010	20+00G	-	23+00G	CTH G	—	—	—	—	—	—	—	—	—	—	—	—	1,937	557	—	—	—	32	
				SUBTOTAL	22,966		1,169	0	12,123	0	841	0	29,118		0		2,494		746	0	0	32	
STAGE 3 WINTER SHUTDOWN																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	7,471	10,190	902	—	—	—	—	—	—	—	—	—	578	723	—	—	—	—	
				SUBTOTAL	17,661		902	0	0	0	0	0	0		0		1,301		0	0	0	0	
STAGE 3B																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	—	—	—	—	—	—	—	—	1,888	4,643	—	—	—	—	—	—	—	—	
				SUBTOTAL	0		0	0	0	0	0	0	6,531		0		0		0	0	0	0	
STAGE 3C																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
0010	925+00WB	-	1050+00WB	IH 90/94 WB	—	—	—	—	—	—	—	—	—	—	3,899	6,732	—	—	759	—	—	—	
				SUBTOTAL	0		0	0	0	0	0	0	0		10,631		0		759	0	0	0	
STAGE 4																							
0010	925+00EB	-	1050+00EB	IH 90/94 EB	—	—	—	—	—	22,966	—	1,169	—	—	—	—	—	—	—	—	—	—	WATER BLAST REMAINING EB
0010	925+00WB	-	1050+00WB	IH 90/94 WB	—	—	—	—	—	—	—	—	—	—	—	—	11,713	15,704	—	1,444	—	—	PAINT MARKINGS AFTER STAGE 4
				SUBTOTAL	0		0	0	0	22,966	0	1,169	0		0		27,417		0	1,444	0	0	
				TOTAL 0010	40,627		2,071	957	17,970	22,966	1,214	1,169	86,963		10,631		31,673		5,726	1,444	512	32	

CONSTRUCTION STAKING ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
STAGE 2										
0010	947+02	-	951+25	'EB'	MAINLINE	2	---	---	423	---
0010	952+37	-	982+37	'EB'	RT	2	3,000	---	---	3,000
0010	969+60	-	978+39	'C'	RT	2	879	---	---	879
0010	976+00	-	985+45	'B'	LT	2	945	---	---	945
0010	981+82	-	992+05	'D'	RT	2	1,023	---	---	1,023
0010	984+51	-	1012+07	'EB'	RT	2	2,756	---	---	2,756
0010	989+01	-	992+00	'A'	LT	2	299	---	---	299
0010	1014+50	-	1030+01	'EB'	RT	2	1,551	---	---	1,551
0010	952+78	-	969+62	'EB'	MAINLINE	2A	---	1,684	---	---
0010	20+00	-	26+50	'X3'	EB OFF RAMP XOVER	2A	---	650	---	---
0010	964+00	-	978+39	'C'	EB OFF RAMP	2A	---	1,439	---	---
0010	20+00	-	23+93	'X9'	EB OFF RAMP XOVER	2A	---	393	---	---
0010	975+00	-	981+92	'EB'	MAINLINE	2A	---	692	---	---
0010	984+89	-	989+00	'EB'	MAINLINE	2A	---	411	---	---
0010	981+82	-	994+40	'D'	EB ON RAMP	2A	---	1,258	---	---
0010	33+97	-	38+05	'X10'	EB ON RAMP XOVER	2A	---	408	---	---
0010	994+40	-	1011+83	'EB'	MAINLINE	2A	---	1,743	---	---
0010	20+00	-	26+88	'X5'	EB ON RAMP XOVER	2A	---	688	---	---
0010	1014+74	-	1030+01	'EB'	MAINLINE	2A	---	1,527	---	---
0010	142+40	-	143+13	'EXEB82'	LT	2A	73	73	---	---
0010	143+69	-	144+17	'EXEB82'	LT	2A	48	48	---	---
0010	138+42	-	141+91	'EXWB82'	LT	2A	---	349	---	---
0010	143+00	-	148+82	'EXWB82'	LT	2A	---	582	---	---
0010	145+06	-	148+55	'EXWB82'	RT	2A	349	349	---	---
0010	149+05	-	152+67	'EXWB82'	LT & RT	2A	362	362	---	---
0010	81+46	-	81+94	'EXC'	LT & RT	2A	48	48	---	---
0010	85+91	-	86+15	'EXA'	LT & RT	2A	24	24	---	---
0010	969+62	-	975+00	'EB'	MAINLINE	2C	---	538	---	---
0010	989+00	-	994+40	'EB'	MAINLINE	2C	---	540	---	---
0010	989+01	-	992+00	'A'	WB OFF RAMP	2C	---	299	---	---
0010	976+00	-	985+45	'B'	WB ON RAMP	2D	---	945	---	---
0010	969+61	-	978+39	'C'	EB OFF RAMP	2E	---	878	---	---
0010	981+82	-	994+40	'D'	EB ON RAMP	2E	---	1,258	---	---
						STAGE 2 SUBTOTAL	11,357	17,187	423	10,453
STAGE 3										
0010	944+01	-	951+77	'WB'	LT	3	776	---	---	776
0010	21+18	-	21+47	'G'	LT	3	29	---	---	29
0010	22+26	-	22+75	'G'	LT	3	49	---	---	49
0010	21+38	-	21+88	'G'	RT	3	50	---	---	50
0010	22+67	-	23+00	'G'	RT	3	33	---	---	33
0010	953+30	-	983+08	'WB'	LT	3	2,978	---	---	2,978
0010	973+02	-	976+00	'B'	LT	3	298	---	---	298
0010	985+19	-	1012+25	'WB'	LT	3	2,706	---	---	2,706
0010	992+00	-	995+99	'A'	LT	3	399	---	---	399
0010	1014+70	-	1029+90	'WB'	LT	3	1,520	---	---	1,520
0010	944+01	-	951+34	'WB'	MAINLINE	3A	---	733	---	---
0010	953+79	-	971+00	'WB'	MAINLINE	3A	---	1,721	---	---
0010	24+96	-	31+61	'X7'	WB ON RAMP XOVER	3A	---	665	---	---
0010	973+02	-	976+00	'B'	WB ON RAMP	3A	---	298	---	---
0010	976+00	-	982+70	'WB'	MAINLINE	3A	---	670	---	---
0010	985+57	-	991+00	'WB'	MAINLINE	3A	---	543	---	---
0010	992+00	-	1000+00	'A'	WB OFF RAMP	3A	---	800	---	---
0010	997+36	-	1012+15	'WB'	MAINLINE	3A	---	1,479	---	---

CONTINUED IN NEXT COLUMN

CONTINUED FROM PREVIOUS COLUMN

CONSTRUCTION STAKING ITEMS

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	35+00	-	43+79	'X8'	WB OFF RAMP XOVER	3A	---	879	---	---
0010	1014+80	-	1029+90	'WB'	MAINLINE	3A	---	1,510	---	---
0010	21+38	-	22+75	'G'	CTH G	3A	---	137	---	---
0010	967+00	-	976+00	'WB'	MAINLINE	3B	---	900	---	---
0010	973+02	-	976+00	'B'	WB ON RAMP	3B	---	298	---	---
0010	991+00	-	997+36	'WB'	MAINLINE	3B	---	636	---	---
0010	992+00	-	1000+00	'A'	WB OFF RAMP	3B	---	800	---	---
						STAGE 3 SUBTOTAL	8,838	12,070	0	8,838
STAGE 4										
0010	931+47	-	951+93	'WB'	RT	4	---	---	---	2,046
0010	952+25	-	983+00	'EB'	LT	4	---	---	---	3,075
0010	984+49	-	1012+55	'EB'	LT	4	---	---	---	2,806
0010	1014+30	-	1035+00	'EB'	LT	4	---	---	---	2,070
0010	944+01	-	951+28	'WB'	MAINLINE	4	---	727	---	---
0010	952+78	-	982+70	'EB'	MAINLINE	4	---	2,992	---	---
0010	953+79	-	982+70	'WB'	MAINLINE	4	---	2,891	---	---
0010	984+89	-	1011+83	'EB'	MAINLINE	4	---	2,694	---	---
0010	985+66	-	1012+03	'WB'	MAINLINE	4	---	2,637	---	---
0010	1014+74	-	1030+01	'EB'	MAINLINE	4	---	1,527	---	---
0010	1014+94	-	1029+90	'WB'	MAINLINE	4	---	1,496	---	---
						STAGE 4 SUBTOTAL	0	14,965	0	9,997
						TOTAL 0010	20,195	44,222	423	29,288
STAGE 2										
0080	130+24	-	136+97	'EXEB82'	LT	2A	673	673	---	---
0080	136+80	-	138+42	'EXWB82'	LT	2A	---	162	---	---
0080	152+67	-	157+27	'EXWB82'	LT	2A	---	460	---	---
0080	165+00	-	174+70	'EXWB82'	LT	2A	---	970	---	---
0080	5+22	-	5+60	'C'	LT	2A	38	38	---	---
0080	132+96	-	138+43	'EB82'	RT	2B	547	---	---	547
0080	152+70	-	159+22	'EB82'	RT	2B	652	---	---	652
0080	158+82	-	159+22	'EB82'	LT	2B	40	40	---	---
0080	159+22	-	172+59	'EB82'	LT & RT	2B	---	---	1,337	---
0080	131+85	-	138+41	'WB82'	LT	2D	656	---	---	656
0080	152+66	-	153+93	'WB82'	LT & RT	2D	127	---	---	127
0080	154+44	-	159+18	'WB82'	LT & RT	2D	474	---	---	474
0080	159+18	-	167+55	'WB82'	LT & RT	2D	---	---	837	---
0080	153+93	-	154+44	'WB82'	LT	2E	51	---	---	51
0080	131+84	-	132+96	'EB82'	RT	2F	112	---	---	112
0080	172+29	-	176+48	'EB82'	LT & RT	2F	---	---	419	---
						STAGE 2 SUBTOTAL	3,370	2,343	2,593	2,619
						TOTAL 0080	3,370	2,343	2,593	2,619
						PROJECT TOTAL	23,565	46,565	3,016	31,907

LIGHTING CONDUIT AND WIRING

CATEGORY	FROM		TO	STAGE	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
STAGE 2													
0010	STUB	-	PB-46	2A	5	---	---	---	---	---	---	---	
0010	PB-46	-	LP-31	2A	5	---	---	---	78	---	---	---	
0010	PB-46	-	PB-45	2A	129	---	---	---	483	---	---	---	
0010	PB-45	-	LP-30	2A	5	---	---	---	234	---	---	---	
0010	PB-45	-	PB-44	2A	133	---	---	---	990	---	---	---	
0010	PB-44	-	LP-29	2A	7	---	---	---	336	---	---	---	
0010	PB-44	-	PB-43	2A	---	---	42	---	444	---	---	---	
0010	STUB	-	PB-21	2B	5	---	---	---	---	---	---	---	
0010	PB-21	-	PB-20	2B	49	---	---	---	81	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-20	-	PB-5	2B	---	---	60	---	92	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-5	-	LP-6&7	2B	14	---	---	---	---	---	---	420	
0010	PB-5	-	PB-6	2B	130	---	---	---	582	---	---	582	
0010	PB-6	-	LP-8&9	2B	18	---	---	---	468	---	---	---	
0010	PB-6	-	PB-7	2B	206	---	---	---	810	---	---	810	
0010	PB-7	-	PB-8	2B	256	---	---	---	960	---	---	960	
0010	PB-8	-	PB-9	2B	274	---	---	---	1,014	---	---	1,014	
0010	PB-9	-	LP-10&11	2B	15	---	---	---	432	---	---	---	
0010	PB-12	-	LP-15	2B	7	---	---	---	---	---	336	---	
0010	PB-12	-	PB-13	2B	---	---	73	---	---	---	630	---	
0010	PB-13	-	LP-18	2B	9	---	---	---	---	---	360	---	
0010	PB-13	-	PB-14	2B	62	---	---	---	---	---	564	---	
0010	PB-14	-	LP-19	2B	9	---	---	---	---	---	360	---	
0010	PB-13	-	PB-39	2B	121	---	---	---	---	918	---	---	
0010	PB-39	-	LP-16	2B	7	---	---	---	84	168	---	---	
0010	PB-39	-	PB-40	2B	131	---	---	---	489	---	---	---	
0010	PB-40	-	LP-17	2B	8	---	---	---	87	---	---	---	
0010	PB-40	-	STUB	2B	5	---	---	---	---	---	---	---	
0010	PB-23	-	LP-38	2C	11	---	---	---	384	---	---	---	
0010	PB-23	-	PB-24	2C	57	---	---	---	534	---	---	---	
0010	PB-23	-	PB-24	2C	57	---	---	---	89	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-24	-	LP-35	2C	9	---	---	---	---	360	---	---	
0010	PB-24	-	PB-25	2C	84	---	---	---	---	696	---	---	
0010	PB-24	-	PB-25	2C	84	---	---	---	116	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-23	-	PB-48	2C	123	---	---	---	930	---	---	---	
0010	PB-48	-	LP-39	2C	7	---	---	---	336	---	---	---	
0010	PB-48	-	PB-49	2C	131	---	---	---	489	---	---	---	
0010	PB-49	-	LP-40	2C	7	---	---	---	84	---	---	---	
0010	PB-49	-	STUB	2C	5	---	---	---	---	---	---	---	
0010	LC-1	-	PB-1	2D	---	16	---	---	372	---	---	186	
0010	PB-1	-	LP-1	2D	7	---	---	---	168	---	---	168	
0010	PB-1	-	PB-37	2D	125	---	---	---	942	---	---	---	
0010	PB-37	-	LP-2	2D	8	---	---	---	348	---	---	---	
0010	PB-37	-	PB-38	2D	134	---	---	---	498	---	---	---	
0010	PB-38	-	LP-3	2D	7	---	---	---	84	---	---	---	
0010	PB-38	-	STUB	2D	5	---	---	---	---	---	---	---	
0010	PB-4	-	PB-5	2D	116	---	---	---	540	---	---	540	
0010	PB-4	-	PB-5	2D	58	---	---	---	90	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-14	-	PB-15	2D	---	---	---	105	---	---	822	---	
0010	PB-15	-	LP-20&21	2D	11	---	---	---	---	---	384	---	
0010	PB-15	-	PB-16	2D	134	---	---	---	---	---	996	---	
0010	PB-16	-	LP-22&23	2D	12	---	---	---	---	---	396	---	
0010	PB-16	-	CAT SPLIT	2D	54	---	---	---	---	---	420	---	
0010	PB-43	-	LP-27	2D	37	---	---	---	348	348	---	---	
0010	PB-44	-	PB-47	2D	80	---	---	---	336	---	---	---	
0010	PB-47	-	LP-28	2D	7	---	---	---	84	---	---	---	
0010	PB-47	-	STUB	2D	5	---	---	---	---	---	---	---	

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LIGHTING CONDUIT AND WIRING

CATEGORY	FROM		TO	STAGE	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
STAGE 2													
0010	LC-1	-	PB-36	2D	---	16	---	---	---	186	---	---	
0010	PB-36	-	PB-35	2D	41	---	---	---	---	438	---	---	
0010	PB-36	-	PB-35	2D	41	---	---	---	73	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-35	-	LP-32	2D	6	---	---	---	---	162	---	---	
0010	PB-35	-	PB-34	2D	68	---	---	---	---	600	---	---	
0010	PB-35	-	PB-34	2D	68	---	---	---	100	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-34	-	PB-33	2D	---	---	40	---	---	432	---	---	
0010	PB-34	-	PB-33	2D	---	---	40	---	72	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-27	-	STAGING STUB	2D	88	---	---	---	---	624	---	---	
0010	PB-27	-	LP-41&42	2D	10	---	---	---	372	---	---	---	
0010	PB-27	-	CAT SPLIT	2D	62	---	---	---	468	---	---	---	
0010	PB-1	-	PB-2	2E	---	---	---	144	1,248	---	---	624	
0010	PB-1	-	PB-2	2E	---	---	---	72	104	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-2	-	LP-4	2E	13	---	---	---	102	---	---	---	
0010	PB-2	-	PB-3	2E	130	---	---	---	873	---	---	582	
0010	PB-2	-	PB-3	2E	65	---	---	---	97	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-3	-	LP-5	2E	9	---	---	---	90	---	---	---	
0010	PB-3	-	PB-4	2E	96	---	---	---	480	---	---	480	
0010	PB-3	-	PB-4	2E	48	---	---	---	80	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-22	-	PB-23	2E	---	---	---	66	588	---	---	---	
0010	PB-22	-	PB-23	2E	---	---	---	66	98	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-22	-	LP-36	2E	7	---	---	---	336	---	---	---	
0010	PB-22	-	PB-21	2E	---	---	---	91	369	---	---	---	
0010	PB-22	-	PB-21	2E	---	---	---	91	123	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-21	-	LP-37	2E	10	---	---	---	93	---	---	---	
0010	PB-9	-	PB-10	2E	87	---	---	---	---	---	---	714	
0010	PB-10	-	LP-12&13	2E	14	---	---	---	---	210	210	210	
0010	PB-10	-	PB-11	2E	---	---	---	76	---	---	648	---	
0010	PB-11	-	LP-14	2E	8	---	---	---	---	---	348	---	
0010	PB-11	-	PB-12	2E	73	---	---	---	---	---	630	---	
0010	PB-10	-	PB-41	2E	68	---	---	---	---	600	---	---	
0010	PB-41	-	PB-42	2E	42	---	---	---	---	444	---	---	
0010	PB-42	-	LP-26	2E	10	---	---	---	---	372	---	---	
0010	PB-42	-	PB-43	2E	106	---	---	---	---	828	---	---	
0010	PB-26	-	STAGING STUB	2G	54	---	---	---	---	420	---	---	
0010	PB-26	-	LP-33&34	2G	28	---	---	---	---	882	---	---	
0010	PB-26	-	PB-33	2G	---	---	43	---	---	450	---	---	
0010	PB-26	-	PB-33	2G	---	---	43	---	75	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
0010	PB-26	-	PB-25	2G	---	---	62	---	---	564	---	---	
0010	PB-26	-	PB-25	2G	---	---	62	---	94	---	---	---	EMPTY CONDUIT FOR CAMERA AND RWIS. CIRCUITS BY OTHERS.
				STAGE 2 SUBTOTAL	4,237	32	465	711	20,371	9,702	7,104	7,290	
				TOTAL 0010	4,237	32	465	711	20,371	9,702	7,104	7,290	

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LIGHTING CONDUIT AND WIRING

CATEGORY	FROM		TO	STAGE	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
STAGE 2													
0080	PB-17	-	CAT SPLIT	2D	143	---	---	---	---	---	954	---	
0080	PB-17	-	PB-18	2D	200	---	---	---	---	---	1,392	---	
0080	PB-28	-	CAT SPLIT	2D	101	---	---	---	702	---	---	---	
0080	PB-28	-	LP-43&44	2D	8	---	---	---	348	---	---	---	
0080	PB-28	-	PB-29	2D	141	---	---	---	1,038	---	---	---	
0080	PB-29	-	LP-45&46	2D	8	---	---	---	348	---	---	---	
0080	PB-29	-	PB-30	2D	143	---	---	---	1,050	---	---	---	
0080	PB-30	-	PB-31	2D	122	---	---	---	924	---	---	---	
0080	PB-31	-	LP-47&48	2D	14	---	---	---	420	---	---	---	
0080	PB-18	-	PB-19	2F	191	---	---	---	---	---	1,338	---	
0080	PB-19	-	LP-24&25	2F	10	---	---	---	---	---	186	---	
0080	PB-19	-	STUB	2F	5	---	---	---	---	---	---	---	
0080	PB-31	-	PB-32	2G	---	---	---	135	1,002	---	---	---	
0080	PB-32	-	LP-49&50	2G	7	---	---	---	168	---	---	---	
0080	PB-32	-	STUB	2G	5	---	---	---	---	---	---	---	
				STAGE 2 SUBTOTAL	1,098	0	0	135	6,000	0	3,870	0	
				TOTAL 0080	1,098	0	0	135	6,000	0	3,870	0	
				PROJECT TOTAL	5,335	32	465	846	26,371	9,702	10,974	7,290	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONTROL CABINET ITEMS

CATEGORY	CABINET NUMBER	STATION	ALIGNMENT	OFFSET	LOCATION	STAGE	650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) (01. 1016-05-70) LS	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) (01. 985+51B) LS	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH
0010	LC1	985+51	'B'	0+29	LT	2D	1	1	1	1
						TOTAL 0010	1	1	1	1

PULLBOXES

CATEGORY	PULLBOX NUMBER	STATION	ALIGNMENT	OFFSET	LOCATION	STAGE	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
STAGE 2							
0010	PB-44	980+21	'C'	13.2	RT	2A	1
0010	PB-45	978+92	'C'	23.9	RT	2A	1
0010	PB-46	977+63	'C'	34.4	RT	2A	1
0010	PB-5	147+97	'EB82'	0+16	LT	2B	1
0010	PB-6	147+35	'EB82'	0+13	LT	2B	1
0010	PB-7	146+35	'EB82'	5.0	LT	2B	1
0010	PB-8	145+09	'EB82'	5.4	LT	2B	1
0010	PB-9	143+74	'EB82'	7.1	LT	2B	1
0010	PB-12	11+15	'WRAB'	0+51	RT	2B	1
0010	PB-13	981+67	'D'	0+15	RT	2B	1
0010	PB-14	10+53	'WRAB'	64.9	RT	2B	1
0010	PB-20	148+01	'EB82'	44.5	RT	2B	1
0010	PB-21	12+91	'ERAB'	51.2	RT	2B	1
0010	PB-39	982+83	'D'	0+17	RT	2B	1
0010	PB-40	984+12	'D'	0+21	RT	2B	1
0010	PB-23	987+01	'A'	25.1	LT	2C	1
0010	PB-24	10+00	'ERAB'	61.9	RT	2C	1
0010	PB-25	150+70	'EB82'	50.6	RT	2C	1
0010	PB-48	988+33	'A'	0+21	LT	2C	1
0010	PB-49	989+67	'A'	0+19	LT	2C	1
0010	PB-1	985+50	'B'	21.3	LT	2D	1
0010	PB-4	148+24	'WB82'	26.6	LT	2D	1
0010	PB-15	140+31	'EB82'	6.6	LT	2D	1
0010	PB-16	138+98	'EB82'	0+08	LT	2D	1
0010	PB-27	152+03	'WB82'	0+06	RT	2D	1
0010	PB-33	150+67	'WB82'	31.2	LT	2D	1
0010	PB-34	150+73	'WB82'	67.3	LT	2D	1
0010	PB-35	11+08	'ERAB'	82.9	RT	2D	1
0010	PB-36	985+59	'B'	0+22	LT	2D	1
0010	PB-37	984+28	'B'	0+18	LT	2D	1
0010	PB-38	982+96	'B'	17.0	LT	2D	1
0010	PB-43	980+37	'C'	21.9	LT	2D	1
0010	PB-47	13+59	'WRAB'	67.2	RT	2D	1
0010	PB-2	985+47	'B'	0+45	RT	2E	1
0010	PB-3	11+86	'ERAB'	0+52	RT	2E	1
0010	PB-10	142+89	'EB82'	18.6	LT	2E	1
0010	PB-11	142+55	'EB82'	49.6	RT	2E	1
0010	PB-22	13+44	'ERAB'	36.6	RT	2E	1
0010	PB-41	142+53	'WB82'	0+28	LT	2E	1
0010	PB-42	12+51	'WRAB'	0+50	RT	2E	1
0010	PB-26	150+61	'WB82'	0+08	RT	2G	1
						STAGE 2 SUBTOTAL	41
						TOTAL 0010	41

CONTINUED IN NEXT COLUMN

CONTINUED FROM PREVIOUS COLUMN

PULLBOXES

CATEGORY	PULLBOX NUMBER	STATION	ALIGNMENT	OFFSET	LOCATION	STAGE	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
STAGE 2							
0080	PB-17	137+00	'EB82'	0+06	LT	2D	1
0080	PB-18	135+00	'EB82'	0+08	LT	2D	1
0080	PB-28	153+68	'WB82'	0+07	RT	2D	1
0080	PB-30	156+51	'WB82'	0+11	RT	2D	1
0080	PB-31	157+73	'WB82'	0+10	RT	2D	1
0080	PB-19	133+09	'EB82'	0+16	LT	2F	1
0080	PB-29	155+08	'WB82'	0+18	RT	2G	1
0080	PB-32	159+10	'EB82'	0+11	LT	2G	1
						STAGE 2 SUBTOTAL	8
						TOTAL 0080	8
						PROJECT TOTAL	49

RAMP CLOSURE GATES

CATEGORY	STATION	ALIGNMENT	LOCATION	662.1037.S RAMP CLOSURE GATES 37-FT EACH	662.1040.S RAMP CLOSURE GATES 40-FT EACH
STAGE 2					
0010	982+16	'D'	LT	---	1
			STAGE 2 SUBTOTAL	0	1
STAGE 3					
0010	985+05	'B'	RT	1	---
			STAGE 3 SUBTOTAL	1	0
			TOTAL 0010	1	1

STREET LIGHT POLE ITEMS

CATEGORY	LIGHT NUMBER	STATION	ALIGNMENT	OFFSET	LOCATION	STAGE	654.0105 CONCRETE BASES TYPE 5 EACH	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	657.0710 LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 12-FT EACH	659.0600.01 UNDERDECK LIGHTING (LOCATION) (01. 145+09EB82) LS	659.0600.02 UNDERDECK LIGHTING (LOCATION) (02. 146+35EB82) LS	659.1115 LUMINAIRES UTILITY LED A EACH	659.1125 LUMINAIRES UTILITY LED C EACH	659.1210 LUMINAIRES UNDERDECK LED B EACH
STAGE 2																	
0010	LP-29	980+21	'C'	13.2	RT	2A	1	135	1	1	---	1	---	---	1	---	---
0010	LP-30	978+92	'C'	18.8	RT	2A	1	135	1	1	---	1	---	---	1	---	---
0010	LP-31	977+62	'C'	29.2	RT	2A	1	135	1	1	---	1	---	---	1	---	---
0010	LP-6&7	148+09	'EB82'	19	LT	2B	1	270	1	1	---	2	---	---	---	2	---
0010	LP-8&9	147+17	'EB82'	13.1	LT	2B	1	270	1	1	---	2	---	---	---	2	---
0010	LP-10&11	143+85	'EB82'	16.6	LT	2B	1	270	1	1	---	2	---	---	---	2	---
0010	LP-15	11+15	'WRAB'	43.7	RT	2B	1	135	1	1	---	1	---	---	---	1	---
0010	LP-16	982+84	'D'	9.8	RT	2B	1	135	1	1	---	1	---	---	1	---	---
0010	LP-17	984+11	'D'	13.4	RT	2B	1	135	1	1	---	1	---	---	1	---	---
0010	LP-18	981+60	'D'	9.7	RT	2B	1	135	1	1	---	1	---	---	1	---	---
0010	LP-19	10+57	'WRAB'	61	RT	2B	1	135	1	1	---	1	---	---	---	1	---
0010	UD-5-8	145+09	'EB82'	10	LT	2B	---	936	---	---	---	---	1	---	---	---	4
0010	LP-35	10+02	'ERAB'	53.7	RT	2C	1	135	1	1	---	1	---	---	---	1	---
0010	LP-38	987+01	'A'	14.7	LT	2C	1	135	1	1	---	1	---	---	1	---	---
0010	LP-39	988+32	'A'	14.5	LT	2C	1	135	1	1	---	1	---	---	1	---	---
0010	LP-40	989+67	'A'	11.3	LT	2C	1	135	1	1	---	1	---	---	1	---	---
0010	LP-1	985+51	'B'	14.1	LT	2D	1	135	1	1	---	1	---	---	1	---	---
0010	LP-2	984+28	'B'	10.2	LT	2D	1	135	1	1	---	1	---	---	1	---	---
0010	LP-3	982+97	'B'	9.6	LT	2D	1	135	1	1	---	1	---	---	1	---	---
0010	LP-20&21	140+41	'EB82'	7.8	LT	2D	1	270	1	1	---	2	---	---	---	2	---
0010	LP-22&23	138+85	'EB82'	6.8	LT	2D	1	270	1	1	---	2	---	---	2	---	---
0010	LP-27	13+07	'WRAB'	31.9	RT	2D	1	117	1	1	1	---	---	---	---	1	---
0010	LP-28	13+60	'WRAB'	61.2	RT	2D	1	135	1	1	---	1	---	---	---	1	---
0010	LP-32	11+08	'ERAB'	77.1	RT	2D	1	135	1	1	---	1	---	---	---	1	---
0010	LP-41&42	152+12	'WB82'	9.4	RT	2D	1	270	1	1	---	2	---	---	2	---	---
0010	LP-4	11+53	'ERAB'	44.4	RT	2E	1	135	1	1	---	1	---	---	---	1	---
0010	LP-5	11+88	'ERAB'	44.4	RT	2E	1	135	1	1	---	1	---	---	---	1	---
0010	LP-12&13	142+89	'EB82'	18.6	LT	2E	1	270	1	1	---	2	---	---	---	2	---
0010	LP-14	142+50	'EB82'	42.9	RT	2E	1	135	1	1	---	1	---	---	---	1	---
0010	LP-26	12+51	'WRAB'	40.1	RT	2E	1	135	1	1	---	1	---	---	---	1	---
0010	LP-36	13+45	'ERAB'	30.1	RT	2E	1	117	1	1	1	---	---	---	---	1	---
0010	LP-37	12+88	'ERAB'	42	RT	2E	1	135	1	1	---	1	---	---	---	1	---
0010	LP-33&34	150+35	'WB82'	12	RT	2G	1	270	1	1	---	2	---	---	---	2	---
						STAGE 2 SUBTOTAL	32	6,300	32	32	2	38	1	0	16	24	4
STAGE 3																	
0010	UD-1-4	146+35	'EB82'	0+10	LT	3		936	---	---	---	---	---	1	---	---	4
						STAGE 3 SUBTOTAL	0	936	0	0	0	0	0	1	0	0	4
						TOTAL 0010	32	7,236	32	32	2	38	1	1	16	24	8
STAGE 2																	
0080	LP-43&44	153+75	'WB82'	0+11	RT	2D	1	270	1	1	---	2	---	---	2	---	---
0080	LP-47&48	157+58	'WB82'	0+09	RT	2D	1	234	1	1	2	---	---	---	---	2	---
0080	LP-24&25	133+00	'EB82'	0+12	LT	2F	1	270	1	1	---	2	---	---	2	---	---
0080	LP-45&46	155+01	'WB82'	0+14	RT	2G	1	270	1	1	---	2	---	---	2	---	---
0080	LP-49&50	159+16	'EB82'	0+12	LT	2G	1	234	1	1	2	---	---	---	---	2	---
						STAGE 2 SUBTOTAL	5	1,278	5	5	4	6	0	0	6	4	0
						TOTAL 0080	5	1,278	5	5	4	6	0	0	6	4	0
						PROJECT TOTAL	37	8,514	37	37	6	44	1	1	22	28	8

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SAWING

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
STAGE 2									
0010	947+02	-	---	'EB'	MAINLINE	2	40	---	BUTT JOINT
0010	947+22	-	---	'EB'	MAINLINE	2	---	41	BUTT JOINT
0010	977+81	-	978+39	'C'	LT	2	58	---	CROSSOVER
0010	984+61	-	985+24	'D'	LT	2	63	---	EXISTING RAMP / CROSSOVER
0010	986+65	-	987+59	'D'	LT	2	94	---	CROSSOVER
0010	989+73	-	991+65	'A'	RT	2	192	---	EXISTING RAMP / CROSSOVER
0010	983+24	-	985+24	'B'	RT	2	193	---	EXISTING RAMP / CROSSOVER
0010	1030+01	-	---	'EB'	MAINLINE	2	16	26	
0010	142+40	-	143+13	'EXEB82'	LT	2A	157	---	
0010	143+69	-	144+17	'EXEB82'	LT	2A	102	---	
0010	149+05	-	152+57	'EXWB82'	LT & RT	2A	540	---	
0010	138+42	-	141+91	'EXWB82'	LT	2A	349	---	
0010	143+00	-	148+82	'EXWB82'	LT	2A	629	---	
0010	145+06	-	148+55	'EXWB82'	RT	2A	403	---	
0010	85+91	-	86+15	'EXA'	LT & RT	2A	---	83	
0010	81+46	-	81+94	'EXC'	LT & RT	2A	---	117	
0010	138+69	-	138+69	'EB82'	RT	2B	---	10	
0010	139+44	-	142+30	'EB82'	LT	2B	287	---	
0010	981+67	-	981+75	'D'	LT	2B	---	10	
0010	11+25	-	11+43	'WRAB'	RT	2B	28	---	
0010	147+54	-	147+54	'EB82'	RT	2B	---	12	
0010	12+37	-	13+35	'ERAB'	RT	2B	112	---	
0010	150+34	-	152+70	'EB82'	LT & RT	2B	146	---	
0010	143+18	-	143+57	'EB82'	LT & RT	2C	39	---	
0010	149+06	-	149+46	'EB82'	LT	2C	45	---	
0010	150+85	-	150+85	'EB82'	RT	2C	---	18	
0010	139+87	-	139+87	'WB82'	LT	2D	---	5	
0010	11+93	-	12+44	'WRAB'	RT	2S	73	--	
0010	143+16	-	143+55	'WB82'	LT	2D	86	5	
0010	148+01	-	148+38	'WB82'	LT	2D	70	5	
0010	10+83	-	11+40	'ERAB'	RT	2D	61	5	
0010	151+58	-	151+58	'WB82'	LT	2D	---	5	
						STAGE 2 SUBTOTAL	3,783	342	
STAGE 3									
0010	944+01	-	---	'WB'	MAINLINE	3	14	26	
0010	983+74	-	985+24	'B'	RT	3	148	---	CROSSOVER
0010	989+01	-	990+58	'A'	RT	3	158	---	CROSSOVER
0010	1029+90	-	---	'WB'	MAINLINE	3	16	26	
						STAGE 3 SUBTOTAL	336	52	
						TOTAL 0010	4,119	394	

CONTINUED IN NEXT COLUMN

CONTINUED FROM PREVIOUS COLUMN

SAWING

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
STAGE 2									
0080	130+24	-	131+81	'EXEB82'	LT	2A	---	333	
0080	136+80	-	138+42	'EXWB82'	LT	2A	161	---	
0080	152+57	-	157+27	'EXWB82'	LT	2A	471	---	
0080	165+00	-	174+64	'EXWB82'	LT	2A	965	---	
0080	5+22	-	5+60	'C'	LT	2A	96	---	
0080	132+96	-	132+96	'EB82'	RT	2B	42	---	
0080	152+70	-	172+59	'EB82'	LT & RT	2B	3,114	---	
0080	132+79	-	133+27	'WB82'	LT	2D	49	---	
0080	154+44	-	154+65	'WB82'	LT	2D	96	---	
0080	157+14	-	158+65	'WB82'	LT	2D	131	8	
0080	162+30	-	162+96	'WB82'	LT	2D	66	---	
0080	167+55	-	167+55	'WB82'	LT	2D	27	---	
0080	154+23	-	154+44	'WB82'	LT	2E	21	---	
0080	172+29	-	176+48	'EB82'	LT & RT	2F	283	---	
						STAGE 2 SUBTOTAL	5,522	341	
						TOTAL 0080	5,522	341	
						PROJECT TOTAL	9,641	735	

INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM

CATEGORY	STATION	ALIGNMENT	STRUCTURE	STAGE	999.2000.S.01 INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM (STATION) (01. 952+00'T') EACH	999.2000.S.02 INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM (STATION) (02. 983+00'T') EACH	999.2000.S.03 INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM (STATION) (03. 1013+00'T') EACH	999.2005.S.01 MAINTAINING BIRD DETERRENT SYSTEM (STATION) (01. 1013+00'EB') EACH	999.2005.S.02 MAINTAINING BIRD DETERRENT SYSTEM (STATION) (02. 1013+00'WB') EACH
0010	1013+00	'EB'	B-29-032	2	---	---	---	1	---
0010	1013+00	'WB'	B-29-033	2	---	---	---	---	1
0010	952+00	'T'	TEMPORARY BRIDGE	3B	1	---	---	---	---
0010	983+00	'T'	TEMPORARY BRIDGE	3B	---	1	---	---	---
0010	1013+00	'T'	TEMPORARY BRIDGE	3B	---	---	1	---	---
				TOTAL 0010	1	1	1	1	1

EMERGENCY REPONSE ITEMS

CATEGORY	STAGE	SPV.0060.01 SPECIAL (01. EMERGENCY RESPONSE TO PAVEMENT REPAIRS) EACH	SPV.0060.02 SPECIAL (02. EMERGENCY RESPONSE TO TRAFFIC INCIDENT INVOLVING CONCRETE BARRIER TEMPORARY PRECAST) EACH	SPV.0060.03 SPECIAL (03. EMERGENCY RESPONSE TO TRAFFIC INCIDENT INVOLVING CRASH CUSHION) EACH	SPV.0060.04 SPECIAL (04. REPAIR CRASH CUSHION) EACH
0010	STAGE 2	4	3	3	2
0010	STAGE 3	4	3	3	2
0010	STAGE 4	4	3	3	2
	TOTAL 0010	12	9	9	6

REMOVING SIGN AND FOUNDATION

CATEGORY	STATION	ALIGNMENT	LOCATION	SPV.0060.05 SPECIAL (05. REMOVING SIGN AND FOUNDATION) EACH
0010	992+46	'A'	LT	1
			TOTAL 0010	1

MAINTENANCE FOR TEMPORARY BRIDGE

CATEGORY	STATION	LOCATION	SPV.0060.06 SPECIAL (06. MAINTENANCE FOR TEMPORARY BRIDGE) EACH
0010	952+00T	TEMPORARY ROAD	1
0010	983+00T	TEMPORARY ROAD	1
0010	1013+00T	TEMPORARY ROAD	1
		TOTAL 0010	3

PIPE INSULATION AND SUPPORT

CATEGORY	STATION	ALIGNMENT	LOCATION	612.0902.S.01 INSULATION BOARD POLYSTYRENE (INCH) (01. 2-INCH) SY	SPV.0060.07 SPECIAL (07. CONCRETE PIPE SUPPORT) EACH	REMARKS
STAGE 2						
0010	144+13	'EB82'	59.4' RT	---	1	EW 4.1
0010	12+86	'ERAB'	7.7' RT	3.6	---	PIPE 1.2 - 1.1
0010	10+12	'ERAB'	14.0' RT	3.6	---	PIPE 8.1 - 8.0
0010	150+16	'EB82'	23.1' RT	3.6	---	PIPE 9.1 - 9.0
			TOTAL 0010	10.8	1	

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	ALIGN	SPV.0060.12 SPECIAL (12. UTILITY LINE OPENING (ULO)) EACH	REMARKS
STAGE 2				
0010	138+72	WB82	1	WATERMAIN
0010	140+10	EB82	1	WATERMAIN
0010	142+40	EB82	1	WATERMAIN
0010	148+80	EB82	1	WATERMAIN
0010	144+10	EB82	1	WATERMAIN
0010	149+50	EB82	1	WATERMAIN
0010	149+90	EB82	1	WATERMAIN
0010	150+20	EB82	1	WATERMAIN
		TOTAL 0010	8	

LANDMARK REFERENCE MONUMENTS

CATEGORY	STATION	ALIGNMENT	LOCATION	SPV.0060.13 SPECIAL (13. LANDMARK REFERENCE MONUMENTS SPECIAL) EACH	SPV.0060.14 SPECIAL (14. VERIFY LANDMARK REFERENCE MONUMENTS) EACH	REMARKS
0010	148+31	'EB82'	47' RT	1	1	TIE
0010	149+16	'WB82'	1' RT	1	1	TIE
0010	149+45	'EB82'	19' RT	1	1	TIE
0010	149+59	'EB82'	4' RT	1	1	SECTION CORNER
0010	146+65	'WB82'	64' LT	1	1	TIE
0010	150+01	'EB82'	32' RT	1	1	TIE
			TOTAL 0010	6	6	

TEMPORARY PIPE CONNECTION

CATEGORY	STATION	LOCATION	ALIGNMENT	STAGE	SPV.0060.15 SPECIAL (15. TEMPORARY PIPE CONNECTION) EACH	REMARKS
0010	980+09	LT	ERAB	2A	1	CULVERT-1 CONNECT TO EX CULVERT
0010	10+71	LT	ERAB	2C	1	PIPE 8.2 - 8.1
		TOTAL 0010			2	

DRAIN SLOTTED VANE LONGITUDINAL

CATEGORY	FROM		TO	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	SPV.0090.03 SPECIAL (03. DRAIN SLOTTED VANE LONGITUDINAL) LF	REMARKS
STAGE 2A						
0010	T1.6	-	T1.5	1	160	
0010	T1.7	-	T1.6	1	232	PROVIDE END CAP
0010	T7.12	-	T7.11	1	95	
0010	T7.13	-	T7.12	1	37	
0010	T7.14	-	T7.13	1	264	PROVIDE END CAP
			STAGE 2A SUBTOTAL	5	788	
STAGE 3B						
0010	T1.8	-	T1.7	1	165	
0010	T1.9	-	T1.8	1	73	
0010	T1.10	-	T1.9	1	100	
0010	T1.11	-	T1.10	1	100	
0010	T1.12	-	T1.11	1	72	PROVIDE END CAP
0010	T2.6	-	T2.5	---	146	PROVIDE END CAP
0010	T2.8	-	T2.7	---	91	PROVIDE END CAP
0010	T2.13	-	T2.12	---	103	PROVIDE END CAP
0010	T2.12	-	T2.11	1	73	
0010	T2.11	-	T2.10	1	45	
0010	T7.17	-	T7.16	1	546	PROVIDE END CAP
			STAGE 3B SUBTOTAL	8	1,514	
			TOTAL 0010	13	2,302	

REMOVE AND SALVAGE MODULAR BLOCK RETAINING WALL

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	SPV.0090.04 SPECIAL (04. REMOVE AND SALVAGE MODULAR BLOCK RETAINING WALL) LF
0010	144+98	-	147+54	'EB82'	RT	255
0010	143+57	-	146+56	'WB82'	LT	300
					TOTAL 0010	555

TEMPORARY DITCH AND STORM SEWER MAINTENANCE

CATEGORY	LOCATION	SPV.0105.01 SPECIAL (01. TEMPORARY DITCH AND STORM SEWER MAINTENANCE) LS
0010	PROJECT 1016-05-70	1
	TOTAL 0010	1

CONSTRUCTION STAKING ROUNDABOUT

CATEGORY	STATION	TO	STATION	ALIGNMENT	LOCATION	STAGE	SPV.0105.02 SPECIAL (02. CONSTRUCTION STAKING ROUNDABOUT - IH 90 WB RAMP) LS	SPV.0105.03 SPECIAL (03. CONSTRUCTION STAKING ROUNDABOUT - IH 90 EB RAMP) LS
0010	138+43	-	145+50	'EB82'	LT & RT	2	1	---
0010	145+50	-	152+70	'EB82'	LT & RT	2	---	1
						TOTAL 0010	1	1

ITS CAMERA

CATEGORY: 0010		** 531.2036 DRILLING SHAFT 36-INCH	531.4050 FOUNDATION CAMERA POLE 50-FOOT	656.0200.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CCTV-29-0143)	656.0500.01 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (CCTV-29-0143)	673.0225.S INSTALL POLE MOUNTED CABINET	677.0150 INSTALL CAMERA POLE 50-FOOT	677.0200 INSTALL CAMERA ASSEMBLY	678.0400 FIBER OPTIC TERMINATION	678.0600 INSTALL ETHERNET SWITCHES	SPV.0060.17 GROUND ROD
LOCATION	ITEM I.D.	LF	EACH	LS	LS	EACH	EACH	EACH	EACH	EACH	EACH
I-90/94 @ STH 82											
	CCTV-29-0143	10	1	1	1	1	1	1	6	1	1
	TOTAL	10	1	1	1	1	1	1	6	1	1

** - ADDITIONAL QUANTITIES LISTED ELSEWHERE

ITS CONDUIT AND CABLE

CATEGORY: 0010			652.0125 CONDUIT RIGID METALLIC 2-INCH	** 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM	653.0140 PULL BOXES STEEL 24 X 42-INCH	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	655.0525 ELECTRICAL WIRE TRAFFIC SIGNALS 6 AWG	673.0200 TRACER WIRE MARKER POSTS	678.0006 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 6-CT	678.0200 FIBER OPTIC SPLICE ENCLOSURE	678.0300 FIBER OPTIC SPLICE
LOCATION	ITEM I.D.	DISTANCE	LF	LF	EACH	EACH	LF	LF	EACH	LF	EACH	EACH
I-90/94 @ STH 82												
	EXCV820998	--	--	--	1	--	--	--	--	--	1	4
	EXCV82098 - PB8204	350	--	700	--	1	350	--	--	450	--	--
	PB8204 - PB8203	330	--	660	--	1	330	--	--	355	--	--
	PB8203 - PB8202	335	--	670	--	1	335	--	--	360	--	--
	PB8202 - PB8201	250	--	500	--	1	250	--	--	275	--	--
	PB8201 - CCTV-29-0143	5	10	--	--	--	5	75	1	30	--	--
	PB8201 - MB-CCTV-29-0143	85	--	85	--	--	--	300	--	--	--	--
TOTAL			10	2615	1	4	1270	375	1	1470	1	4

** - ADDITIONAL QUANTITIES LISTED ELSEWHERE

ITS LUMP SUM ITEMS

CATEGORY: 0010		670.0100 FIELD SYSTEM INTEGRATOR	670.0200 ITS DOCUMENTATION	678.0500 COMMUNICATION SYSTEM TESTING
LOCATION	ITEM ID ID	L.S.	L.S.	L.S.
I-90/94 @ STH 82				
	PROJECT	1	1	1
TOTAL		1	1	1



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO. 1016-05-21
TOMAH - MAUSTON
STH 82 INTERCHANGE / B-29-32 & 33
IH 90/94
JUNEAU COUNTY

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) — IP
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

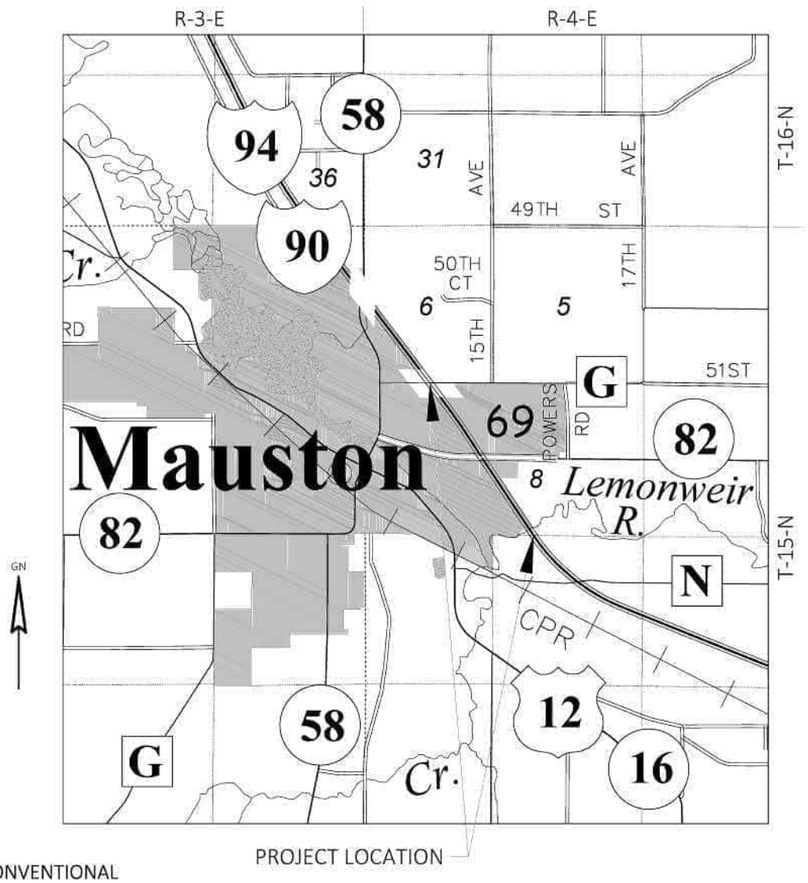
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25 — UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB



CONVENTIONAL UTILITY SYMBOLS

WATER
GAS
TELEPHONE
OVERHEAD TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER

LAYOUT SCALE 0 0.5 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1016-05-21

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES (WISCRS), JUNEAU COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINT OF REFERENCE AND ACCESS CONTROL LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER 1016-05-21 -4.01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : P:\90S\93\00093367\CADD\RIGHTOFWAY\040101-RP.DWG
LAYOUT NAME: 040101T-rp
PLOT DATE : 9/16/2015 3:04 PM
PLOT BY : BRAD LEE
PLOT NAME : _____
TITLE

TRANSPORTATION PROJECT PLAT NO: 1016-05-21 - 4.01

PART OF LOT A OF CSM 2120, IN DOC. 339301, IN PART OF THE NORTHWEST ¼ OF THE NORTHEAST ¼, IN SECTION 7, TOWN 15 NORTH, RANGE 4 EAST, BEING IN THE CITY OF MAUSTON, JUNEAU COUNTY, WISCONSIN.

RELOCATION ORDER IH 90/94 TOMAH - MAUSTON, (STH 82 INTERCHANGE/B-29-32 & 33) JUNEAU COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EXISTING HIGHWAY RIGHT OF WAY BASED ON PLAT OF RIGHT OF WAY REQUIRED PROJECT I-90-2(6)52, THE CITY OF MAUSTON ASSESSOR'S PLAT NO. 3, CSM 2857, CSM 2120, CSM 2121, CSM 2599, CSM 2031, AND EXISTING IRONS LOCATED IN THE FIELD.

EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS PROJECT I-90-2(6)52.

EASEMENT TABLE

UTILITY NUMBERS	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL
100	AT&T COMMUNICATIONS	DOC. 295209 VOL. 338, PG 625	1
100	AT&T COMMUNICATIONS	DOC. 295210 VOL. 338, PG 627	1
101	AMERICAN TRANSMISSION COMPANY, LLC	DOC. 600062	1
106	WISCONSIN POWER AND LIGHT COMPANY	DOC. 204265 VOL. 34, PG 622	1
107	VERIZON NORTH INC	DOC. 606385	1
108	GTE NORTH INCORPORATED	DOC. 341494 VOL. 470, PG 306	1

UTILITY SCHEDULE AND INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED
100	AT&T COMMUNICATIONS	RELEASE OF RIGHTS
101	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
106	ALLIANT ENERGY - GAS (WISCONSIN POWER AND LIGHT COMPANY)	RELEASE OF RIGHTS
107	VERIZON NORTH INC	RELEASE OF RIGHTS
108	FRONTIER NORTH INC. (GTE NORTH INCORPORATED)	RELEASE OF RIGHTS

DOCUMENT # 742784
RECORDED 02-23-2021 at 11:50 AM
STACY D. HAVILL, REGISTER OF DEEDS
JUNEAU CO., WI
FEE AMOUNT: $25.00

TOTAL PAGES: 2
DOCUMENT HAS BEEN ELECTRONICALLY RECORDED

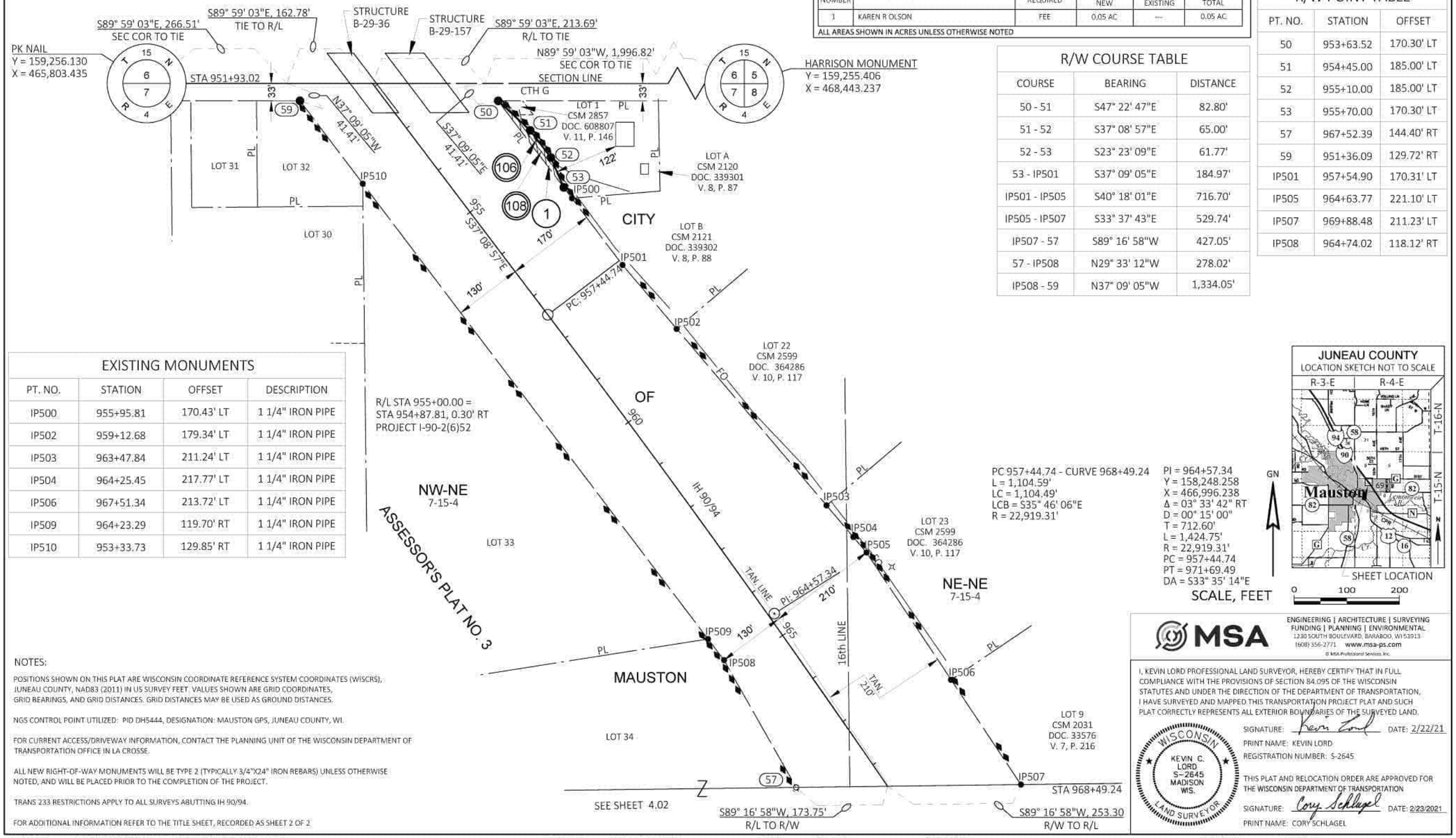
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1016-05-21 - 4.01
SHEET 1 OF 2

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES OR S.F. REQUIRED		
			NEW	EXISTING	TOTAL
1	KAREN R OLSON	FEE	0.05 AC	---	0.05 AC

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED



R/W COURSE TABLE

COURSE	BEARING	DISTANCE
50 - 51	S47° 22' 47"E	82.80'
51 - 52	S37° 08' 57"E	65.00'
52 - 53	S23° 23' 09"E	61.77'
53 - IP501	S37° 09' 05"E	184.97'
IP501 - IP505	S40° 18' 01"E	716.70'
IP505 - IP507	S33° 37' 43"E	529.74'
IP507 - 57	S89° 16' 58"W	427.05'
57 - IP508	N29° 33' 12"W	278.02'
IP508 - 59	N37° 09' 05"W	1,334.05'

R/W POINT TABLE

PT. NO.	STATION	OFFSET
50	953+63.52	170.30' LT
51	954+45.00	185.00' LT
52	955+10.00	185.00' LT
53	955+70.00	170.30' LT
57	967+52.39	144.40' RT
59	951+36.09	129.72' RT
IP501	957+54.90	170.31' LT
IP505	964+63.77	221.10' LT
IP507	969+88.48	211.23' LT
IP508	964+74.02	118.12' RT

EXISTING MONUMENTS

PT. NO.	STATION	OFFSET	DESCRIPTION
IP500	955+95.81	170.43' LT	1 1/4" IRON PIPE
IP502	959+12.68	179.34' LT	1 1/4" IRON PIPE
IP503	963+47.84	211.24' LT	1 1/4" IRON PIPE
IP504	964+25.45	217.77' LT	1 1/4" IRON PIPE
IP506	967+51.34	213.72' LT	1 1/4" IRON PIPE
IP509	964+23.29	119.70' RT	1 1/4" IRON PIPE
IP510	953+33.73	129.85' RT	1 1/4" IRON PIPE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), JUNEAU COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

NGS CONTROL POINT UTILIZED: PID DH5444, DESIGNATION: MAUSTON GPS, JUNEAU COUNTY, WI.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

TRANS 233 RESTRICTIONS APPLY TO ALL SURVEYS ABUTTING IH 90/94.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2

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I, KEVIN LORD PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. LORD S-2645 MADISON WIS. LAND SURVEYOR

SIGNATURE: Kevin Lord DATE: 2/22/21
PRINT NAME: KEVIN LORD
REGISTRATION NUMBER: S-2645

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 2/23/2021
PRINT NAME: CORY SCHLAGEL

FILE NAME : P:\90S\93\00093367\CADD\RIGHTOFWAY\040101-RP.DWG
APPRAISAL PLAT DATE : FEBRUARY 22, 2021
PLOT DATE : 2/22/2021 3:05 PM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

TRANSPORTATION PROJECT PLAT NO: 1016-05-21 - 4.02

PART OF LOT 1 OF CSM 1988, IN DOC. 333867, AND LOT 15 OF CSM 1990, IN DOC. 333919, IN AND INCLUDING PART OF THE SOUTHEAST ¼ OF THE NORTHEAST ¼, ALL IN SECTION 7, TOWN 15 NORTH, RANGE 4 EAST, ALL BEING IN THE CITY OF MAUSTON, JUNEAU COUNTY, WISCONSIN.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY AS SHEET 2 OF 2 OF DOCUMENT # 742784

DOCUMENT # 742898
RECORDED 03-02-2021 at 8:49 AM
STACY D. HAVILL, REGISTER OF DEEDS
JUNEAU CO., WI
FEE AMOUNT: $25.00

TOTAL PAGES: 1
DOCUMENT HAS BEEN ELECTRONICALLY RECORDED

RELOCATION ORDER IH 90/94 TOMAH - MAUSTON, (STH 82 INTERCHANGE/B-29-32 & 33) JUNEAU COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES OR S.F. REQUIRED		
			NEW	EXISTING	TOTAL
2	WESTERN TECHNICAL COLLEGE	FEE	0.63 AC	---	0.63 AC
3	WISCONSIN DENTAL RECONSTRUCTIONS, LLC	FEE	0.09 AC	---	0.09 AC
4	JAY SHREE GANESH, LLC	FEE	0.06 AC	---	0.06 AC

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), JUNEAU COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

NGS CONTROL POINT UTILIZED: PID DH5444, DESIGNATION: MAUSTON GPS, JUNEAU COUNTY, WI.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

TRANS 233 RESTRICTIONS APPLY TO ALL SURVEYS ABUTTING IH 90/94.

HARRISON MONUMENT
Y = 159,255.406
X = 468,443.237

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1016-05-21 - 4.02

EASEMENT TABLE

UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL
100	AT&T COMMUNICATIONS	DOC. 295211 VOL. 338, PG 628	2 & 3
100	AT&T COMMUNICATIONS	DOC. 295212 VOL. 338, PG 629	2 & 3

UTILITY SCHEDULE AND INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED
100	AT&T COMMUNICATIONS	RELEASE OF RIGHTS

R/W POINT TABLE

PT. NO.	STATION	OFFSET
101	973+25.00	210.82' LT
102	975+55.00	238.00' LT
103	977+75.00	373.00' LT
104	983+05.00	500.00' LT
105	983+80.00	500.83' LT
106	983+87.98	502.53' LT
107	977+77.90	668.27' RT
108	979+97.43	367.66' RT
109	977+67.89	211.11' RT
110	967+52.39	144.40' RT
IP600	969+88.48	211.23' LT

EXISTING MONUMENTS

PT. NO.	STATION	OFFSET	DESCRIPTION
IP601	976+07.81	214.76' LT	3/4" REBAR
IP602	979+89.23	390.75' LT	3/4" REBAR
IP603	978+52.71	564.41' RT	3/4" REBAR
IP604	977+87.46	520.45' RT	3/4" REBAR
IP605	968+24.02	150.73' RT	1 1/2" IRON PIPE

R/W COURSE TABLE

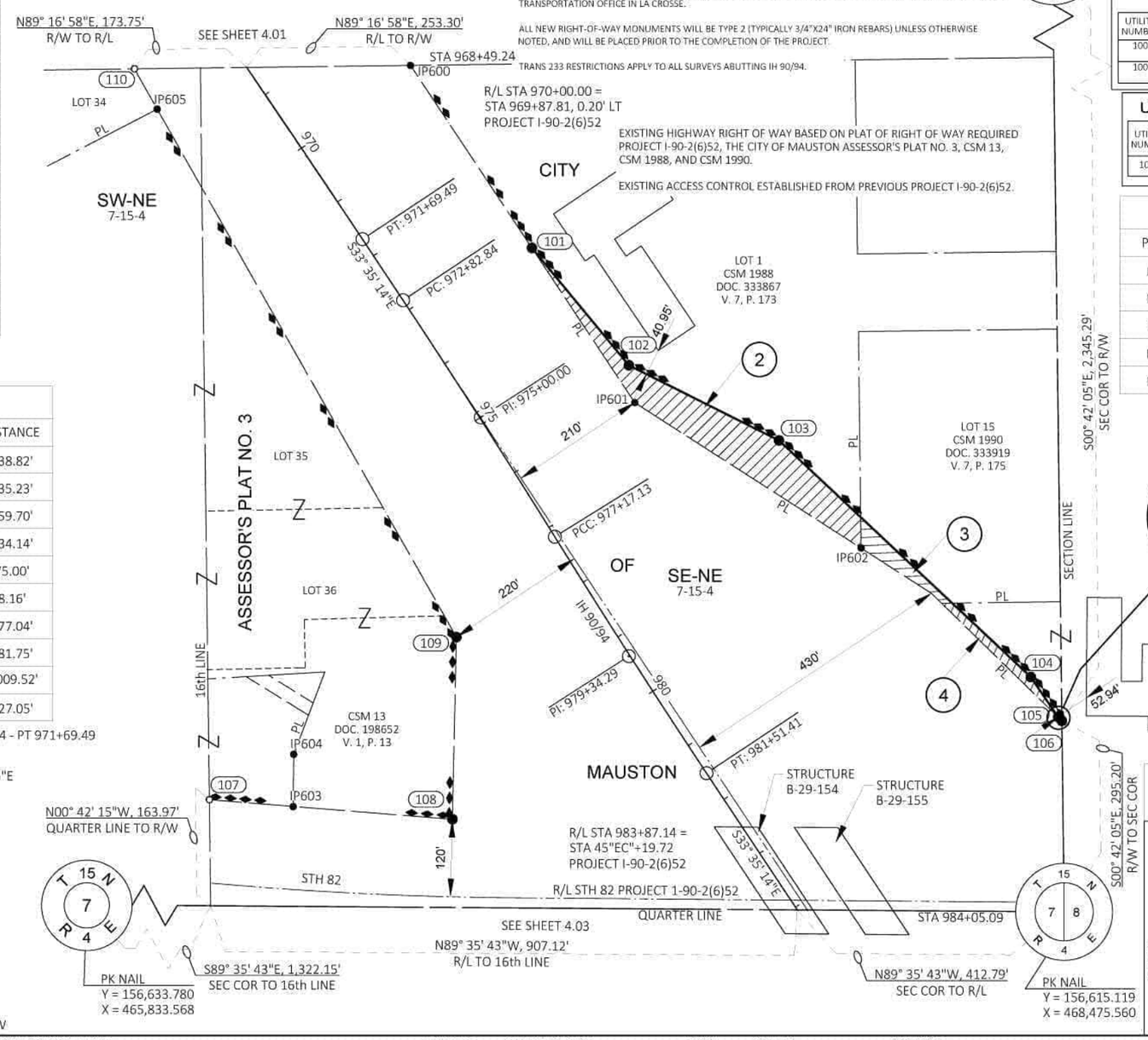
COURSE	BEARING	DISTANCE
IP600 - 101	S33° 37' 43"E	338.82'
101 - 102	S39° 35' 04"E	235.23'
102 - 103	S63° 25' 07"E	259.70'
103 - 104	S46° 48' 09"E	534.14'
104 - 105	S34° 13' 04"E	75.00'
105 - 106	S45° 39' 59"E	8.16'
107 - 108	S85° 23' 06"E	377.04'
108 - 109	N01° 15' 33"E	281.75'
109 - 110	N29° 33' 12"W	1,009.52'
110 - IP600	N89° 16' 58"E	427.05'

PI = 964+57.34
Y = 158,248.258
X = 466,996.238
Δ = 03° 33' 42" RT
D = 00° 15' 00"
T = 712.60'
L = 1,424.75'
R = 22,919.31'
PC = 957+44.74
PT = 971+69.49
DB = N37° 08' 57"W

CURVE 968+49.24 - PT 971+69.49
L = 320.15'
LC = 320.15'
LCB = S33° 59' 15"E
R = 22,919.31'

PI = 975+00.00
Y = 157,379.294
X = 467,573.299
Δ = 01° 45' 53" RT
D = 00° 24' 23"
T = 217.16'
L = 434.28'
R = 14,100.00'
PC = 972+82.84
PCC = 977+17.13
DA = S31° 49' 21"E

PI = 979+34.29
Y = 157,010.261
X = 467,802.311
Δ = 01° 45' 53" LT
D = 00° 24' 23"
T = 217.16'
L = 434.28'
R = 14,100.00'
PCC = 977+17.13
PT = 981+51.41
DB = N31° 49' 21"W



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I, KEVIN LORD PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin Lord DATE: 2/22/21
PRINT NAME: KEVIN LORD
REGISTRATION NUMBER: S-2645

WISCONSIN KEVIN C. LORD S-2645 MADISON WIS. LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 2/26/2021
PRINT NAME: CORY SCHLAGEL

FILE NAME : P:\90S\93\00093367\CADD\RIGHTOFWAY\040101-RP.DWG
APPRAISAL PLAT DATE : FEBRUARY 22, 2021
PLOT DATE : 2/23/2021 8:59 PM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
1016-05-21 - 4.02

TRANSPORTATION PROJECT PLAT NO: 1016-05-21 - 4.03

PART OF PARCEL 1 & 2 OF CSM 1488, IN DOC. 305974, IN PART OF THE NORTHEAST ¼ OF THE SOUTHEAST ¼ IN SECTION 7, ALSO PART OF LOT 4 OF CSM 1842, IN DOC. 325985, IN PART OF THE NORTHWEST ¼ OF THE SOUTHWEST ¼ IN SECTION 8, ALL BEING IN, TOWN 15 NORTH, RANGE 4 EAST, IN THE CITY OF MAUSTON, JUNEAU COUNTY, WISCONSIN.

RELOCATION ORDER IH 90/94 TOMAH - MAUSTON, (STH 82 INTERCHANGE/B-29-32 & 33) JUNEAU COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

UTILITY SCHEDULE AND INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED
101	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
102	NORTHERN STATES POWER COMPANY	RELEASE OF RIGHTS
103	WPPI ENERGY	RELEASE OF RIGHTS
104	DAIRYLAND POWER COOPERATIVE	RELEASE OF RIGHTS
105	SMMPA WISCONSIN, LLC	RELEASE OF RIGHTS

EASEMENT TABLE

UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL
101	AMERICAN TRANSMISSION COMPANY, LLC	DOC. 714512	5
102	XCEL ENERGY (NORTHERN STATES POWER COMPANY)	DOC. 714512	5
103	WPPI ENERGY	DOC. 714512	5
104	DAIRYLAND POWER COOPERATIVE	DOC. 714512	5
105	SMMPA WISCONSIN, LLC	DOC. 714512	5

DOCUMENT # 742900
RECORDED 03-02-2021 at 8:57 AM
STACY D. HAVILL, REGISTER OF DEEDS
JUNEAU CO., WI
FEE AMOUNT: $25.00

TOTAL PAGES: 1
DOCUMENT HAS BEEN ELECTRONICALLY RECORDED

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1016-05-21 - 4.03

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES OR S.F. REQUIRED		
			NEW	EXISTING	TOTAL
5	CASTLE ROCK GROUP, INC	FEE	0.46 AC	---	0.46 AC
6	J & J NAVIS PROPERTIES, LLC	FEE	0.55 AC	---	0.55 AC

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

EXISTING HIGHWAY RIGHT OF WAY BASED ON PLAT OF RIGHT OF WAY REQUIRED PROJECT I-90-2(6)52, CITY OF MAUSTON ASSESSOR'S PLAT NO. 4, CSM 1983, CSM 1488, AND CSM 1842.

EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS PROJECT I-90-2(6)52.

PK NAIL
Y = 156,633.780
X = 465,833.568

SEE SHEET 4.02

R/L STA 983+87.14 =
STA 45"EC"+19.72
PROJECT I-90-2(6)52

S89° 35' 43"E, 1,322.15'
SEC COR TO 16th LINE

S89° 35' 43"E, 907.12'
16th LINE TO R/L
R/L STH 82 PROJECT 1-90-2(6)52

STRUCTURE B-29-154

STRUCTURE B-29-155

S89° 35' 43"E, 412.79'
R/L TO SEC COR

PK NAIL
Y = 156,615.119
X = 468,475.560

S89° 36' 30"E, 250.82'
SEC COR TO TIE

N89° 36' 30"W, 2,372.27'
SEC COR TO TIE
R/L STH 82 PROJECT 1-90-2(6)52

N00° 42' 22"W
82.30'

STH 82

100'

QUARTER LINE

STA 984+05.09

S33° 35' 14"E

995

PC: 985+49.71

R/L STA 985+00.00 =
STA 984+87.67, 13.01' RT
PROJECT I-90-2(6)52

CITY

S00° 23' 15"W
51.10'

65'

QUARTER LINE
STH 82

PK NAIL
Y = 156,597.184
X = 471,098.598

PC = 989+84.00 - CURVE 991+44.83
L = 160.83'
LC = 160.83'
LCB = S35° 01' 31"E
R = 14,100.00'

CURVE 991+44.83 - PT 994+18.28
L = 273.45'
LC = 273.45'
LCB = S34° 08' 34"E
R = 14,100.00'

IP709 IP708 IP707 IP706 IP705 IP702 IP701 IP700

214 212 211 210 209 208 207 206 205 204 203 202

LOT 27 LOT 28 LOT 29 LOT 33

PARCEL 1 CSM 1488 DOC. 305974 V. 5, P. 265

PARCEL 2 CSM 1710 DOC. 318771 V. 6, P. 146

PARCEL A CSM 1983 DOC. 333650 V. 7, P. 168

PARCEL 1 RENNER PLAT OF SURVEY OCTOBER 20, 2000

INGRESS-EGRESS EASEMENT V. 409, P. 37-41

LOT 2 CSM 1842 DOC. 325985 V. 7, P. 27

LOT 4 CSM 1842 DOC. 325985 V. 7, P. 27

ASSESSOR'S PLAT NO. 4

CURVE 212 - IP709
L = 370.77'
LC = 370.71'
LCB = N87° 36' 39"W
R = 5,830.00'

PARCEL 2 CSM 1488 DOC. 305974 V. 5, P. 265

PARCEL 2 RENNER PLAT OF SURVEY OCTOBER 20, 2000

NE-SE 7-15-4

NW-SW 8-15-4

PI: 987+66.87

PI: 992+01.16

PI: 994+18.28

IH 90/94

PCC: 989+84.00

STA 991+44.83

S00° 30' 06"E, 607.31'
FROM SEC COR TO R/L

SIGN

MAUSTON

N00° 30' 06"W, 1,751.34'
FROM MON. TO R/W

N00° 30' 06"W, 179.10'
FROM R/W TO R/L

N00° 30' 06"W, 106.60'
FROM SEC COR TO MON.

MEANDER CORNER
2" IRON PIPE
Y = 154,077.466
X = 468,497.777

CALCULATED CORNER
Y = 153,970.870
X = 468,498.710
16th LINE
STA 1000+07.33

N89° 44' 09"W, 120.98'
R/L TO R/W

N89° 44' 09"W, 192.08'
R/W TO R/L

SEE SHEET 4.04

SCALE, FEET 0 100 200

PI = 987+66.87
Y = 156,316.650
X = 468,262.923
Δ = 01° 45' 53" LT
D = 00° 24' 23"
T = 217.16'
L = 434.28'
R = 14,100.00'
PC = 985+49.71
PCC = 989+84.00
DA = S35° 21' 07"E

PI = 992+01.16
Y = 155,962.415
X = 468,514.219
Δ = 01° 45' 53" RT
D = 00° 24' 23"
T = 217.16'
L = 434.28'
R = 14,100.00'
PCC = 989+84.00
PT = 994+18.28
DB = N35° 21' 07"W

JUNEAU COUNTY
LOCATION SKETCH NOT TO SCALE
R-3-E R-4-E
T-16-N T-15-N
Mauston
SHEET LOCATION

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), JUNEAU COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

NGS CONTROL POINT UTILIZED: PID DH5444, DESIGNATION: MAUSTON GPS, JUNEAU COUNTY, WI.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

TRANS 233 RESTRICTIONS APPLY TO ALL SURVEYS ABUTTING IH 90/94.

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
IP700 - IP702	S44° 23' 52"W	212.89'
IP702 - 202	S13° 32' 02"E	230.82'
202 - 203	S32° 20' 45"E	279.46'
203 - 204	S27° 43' 23"E	292.42'
204 - 205	S19° 18' 20"E	103.19'
205 - 206	S33° 34' 59"E	364.32'
206 - 207	N89° 44' 09"W	313.06'
207 - 208	N33° 34' 59"W	645.03'
208 - 209	N33°34' 59"W	82.53'
209 - 210	N49°28' 04"W	314.81'
210 - 211	N55° 56' 23"W	583.26'
211 - 212	N43° 34' 52"W	149.04'
IP709 - 214	S83° 14' 33"W	85.08'

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY AS SHEET 2 OF 2 OF DOCUMENT # 742784

EXISTING MONUMENTS

PT. NO.	STATION	OFFSET	DESCRIPTION
IP701	988+55.54	382.86' LT	3/4" REBAR
IP703	992+49.71	160.73' LT	1" IRON PIPE
IP704	993+20.21	159.99' LT	2" IRON PIPE
IP705	985+12.25	286.18' RT	2" IRON PIPE
IP706	982+84.23	391.49' RT	1 1/4" IRON PIPE
IP707	982+24.40	419.19' RT	2" IRON PIPE
IP708	980+66.83	645.43' RT	1 1/4" IRON PIPE

R/W POINT TABLE

PT. NO.	STATION	OFFSET
202	990+85.00	224.93' LT
203	993+60.00	215.00' LT
204	996+50.00	185.00' LT
205	997+50.00	159.54' LT
206	1001+14.32	159.52' LT
207	999+39.94	100.47' RT
208	992+94.03	99.88' RT
209	992+10.91	98.90' RT
210	989+05.00	177.72' RT
211	983+70.00	395.00' RT
212	982+23.23	420.86' RT
214	979+76.92	797.93' RT
IP700	988+28.72	519.03' LT
IP702	988+69.81	309.90' LT
IP709	980+12.55	721.58' RT

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I, KEVIN LORD PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin Lord DATE: 2/22/21
PRINT NAME: KEVIN LORD
REGISTRATION NUMBER: S-2645

WISCONSIN KEVIN C. LORD S-2645 MADISON WIS. LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 2/26/2021
PRINT NAME: CORY SCHLAGEL

FILE NAME : P:\90S\93\00093367\CADD\RIGHTOFWAY\040101-RP.DWG
APPRAISAL PLAT DATE : FEBRUARY 22, 2021
PLOT DATE : 2/23/2021 8:59 PM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

1016-05-21 - 4.03

TRANSPORTATION PROJECT PLAT NO: 1016-05-21 - 4.04

PART OF THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ IN SECTION 8, TOWN 15 NORTH, RANGE 4 EAST, IN THE CITY OF MAUSTON, IN JUNEAU COUNTY, WISCONSIN.

RELOCATION ORDER IH 90/94 TOMAH - MAUSTON, (STH 82 INTERCHANGE/B-29-32 & 33) JUNEAU COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EXISTING HIGHWAY RIGHT OF WAY BASED ON PLAT OF RIGHT OF WAY REQUIRED PROJECT I-90-2(6)52.

EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS PROJECT I-90-2(6)52.

UTILITY SCHEDULE AND INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED
101	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
102	NORTHERN STATES POWER COMPANY	RELEASE OF RIGHTS
103	WPPI ENERGY	RELEASE OF RIGHTS
104	DAIRYLAND POWER COOPERATIVE	RELEASE OF RIGHTS
105	SMMPA WISCONSIN, LLC	RELEASE OF RIGHTS

EASEMENT TABLE

UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL
101	AMERICAN TRANSMISSION COMPANY, LLC	DOC. 712715	7
102	XCEL ENERGY (NORTHERN STATES POWER COMPANY)	DOC. 712715	7
103	WPPI ENERGY	DOC. 712715	7
104	DAIRYLAND POWER COOPERATIVE	DOC. 712715	7
105	SMMPA WISCONSIN, LLC	DOC. 712715	7

DOCUMENT # 742901
RECORDED 03-02-2021 at 9:01 AM
STACY D. HAVILL, REGISTER OF DEEDS
JUNEAU CO., WI
FEE AMOUNT: $25.00

TOTAL PAGES: 1
DOCUMENT HAS BEEN ELECTRONICALLY RECORDED

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN JUNEAU COUNTY AS SHEET 2 OF 2 OF DOCUMENT # 742784

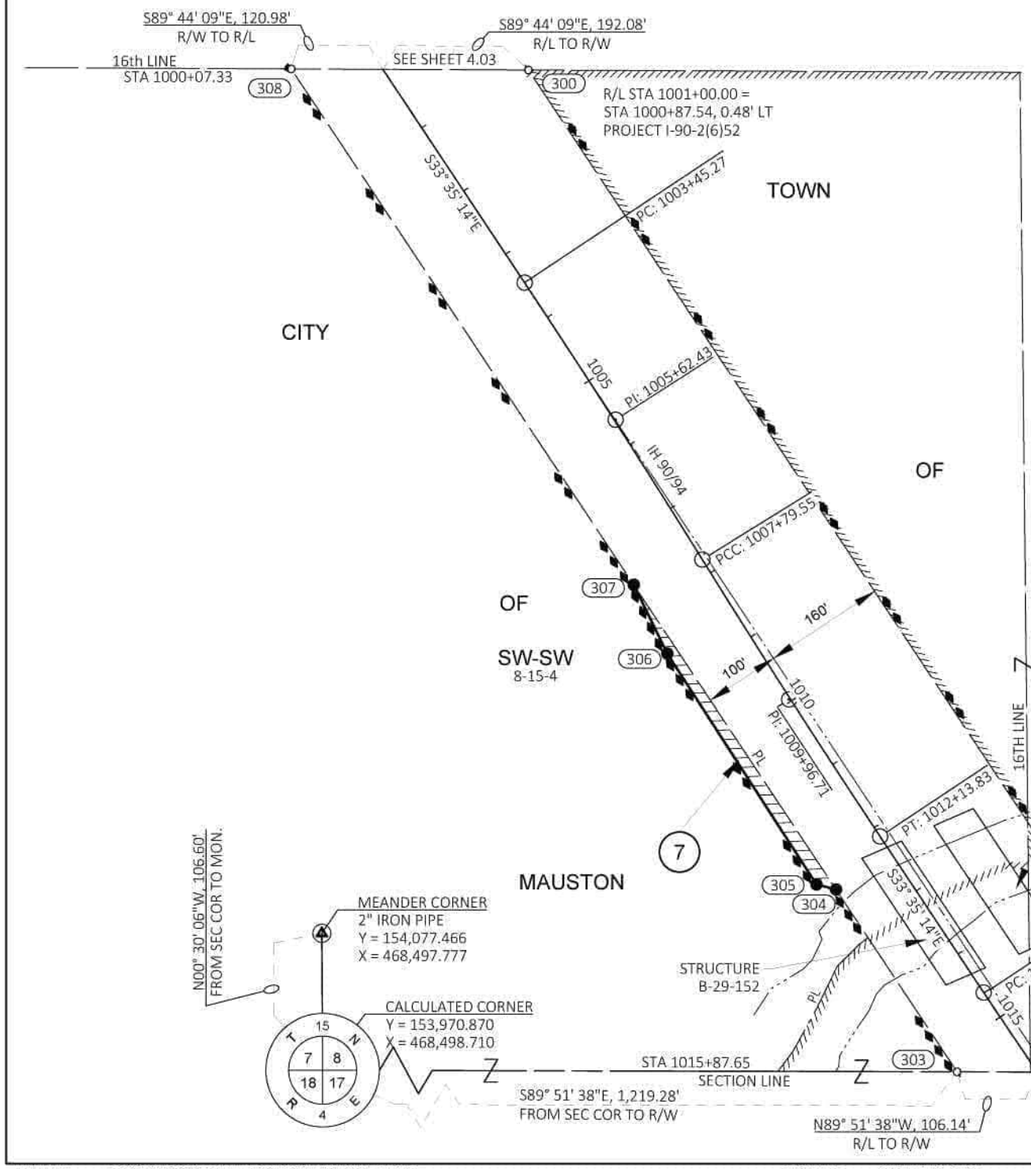
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W ACRES OR S.F. REQUIRED		
			NEW	EXISTING	TOTAL
7	BARBARA J BAKER	FEE	0.15 AC	---	0.15 AC

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1016-05-21 - 4.04



PI = 1005+62.43
Y = 154,828.390
X = 469,267.302
Δ = 01° 45' 53" RT
D = 00° 24' 23"
T = 217.16'
L = 434.28'
R = 14,100.00'
PC = 1003+45.27
PCC = 1007+79.55
DA = S31° 49' 21"E

PI = 1022+33.75
Y = 153,428.816
X = 470,180.674
Δ = 11° 44' 31" LT
D = 00° 45' 45"
T = 772.71'
L = 1,540.01'
R = 7,514.66'
PC = 1014+61.04
PT = 1030+01.05
DA = S45° 19' 45"E

PI = 1009+96.71
Y = 154,459.357
X = 469,496.314
Δ = 01° 45' 53" LT
D = 00° 24' 23"
T = 217.16'
L = 434.28'
R = 14,100.00'
PCC = 1007+79.55
PT = 1012+13.83
DB = N31° 49' 21"W

PC 1014+61.04 - CURVE 1015+87.65
L = 126.61'
LC = 126.61'
LCB = S34° 04' 12"E
R = 7,514.66'

CURVE 1015+87.65 - PT 1030+01.05
L = 1,413.40'
LC = 1,411.32'
LCB = S39° 56' 27"E
R = 7,514.66'

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
300 - 301	S33° 34' 59"E	1,475.21'
302 - 303	N89° 51' 38"W	313.74'
303 - 304	N33° 34' 59"W	288.71'
304 - 305	N75° 16' 18"W	26.78'
305 - 306	N32° 52' 50"W	362.63'
306 - 307	N25° 58' 42"W	100.99'
307 - 308	N33° 34' 59"W	817.23'
308 - 300	S89° 44' 09"E	313.06'

R/W POINT TABLE

PT. NO.	STATION	OFFSET
300	1001+14.32	159.52' LT
301	1015+92.68	171.66' LT
302	1017+08.55	169.75' LT
303	1015+27.93	87.51' RT
304	1012+40.00	87.19' RT
305	1012+20.00	105.00' RT
306	1008+60.00	105.00' RT
307	1007+60.00	94.47' RT
308	999+39.94	100.47' RT

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), JUNEAU COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

NGS CONTROL POINT UTILIZED: PID DH5444, DESIGNATION: MAUSTON GPS, JUNEAU COUNTY, WI.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LA CROSSE.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.



MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1230 SOUTH BOULEVARD, BARABOO, WI 53913
(608) 356-2771 www.msa-ps.com
© MSA Professional Services, Inc.

I, KEVIN LORD PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
KEVIN C. LORD
S-2645
MADISON WIS.
LAND SURVEYOR

SIGNATURE: Kevin Lord DATE: 2/22/21
PRINT NAME: KEVIN LORD
REGISTRATION NUMBER: S-2645

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 2/26/2021
PRINT NAME: CORY SCHLAGEL

FILE NAME : P:\90S\93\00093367\CADD\RIGHTOFWAY\040101-RP.DWG
APPRAISAL PLAT DATE : FEBRUARY 22, 2021
PLOT DATE : 2/23/2021 8:59 PM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

BRUCE A & EILEEN M GUYETTE

BRUCE A & EILEEN M GUYETTE

BRUCE A & EILEEN M GUYETTE

ATC

EXISTING R/W

MAINTENANCE CROSSOVER

PC: 944+01.89WB

SI (TYP.)

PC: 947+24.10WB

B 934WB 936WB 938WB 940WB 942WB WESTBOUND IH 90/94 944WB 946WB

CABLE BARRIER TYPE 1

934EB 936EB 938EB 940EB 942EB 944EB 946EB

EASTBOUND IH 90/94

STA 936+59EB CABLE BARRIER END
TERMINAL TYPE 1 LENGTH OF NEED

SIGN

SIGN

EXISTING R/W

CALVIN A & JEANNE C BROCKMAN

MATCH LINE
STA 947+50EB

BEGIN PROJECT
BEGIN MILL & OVERLAY
STA 947+02.97EB
MATCH EXISTING
SAW CUT REQ'D

CALVIN A & JEANNE C BROCKMAN

VPC STA 946+90.00
VPC EL 896.27

EXISTING PROFILE

VCL = 900.00

K = 567.73

920 915 910 905 900 895 890 885 880

882.04 881.72 882.60 882.18 882.83 882.40 883.22 882.63 883.52 882.86 883.72 883.09 883.81 883.33 884.08 883.59 884.59 883.89 884.97 884.22 885.49 884.60 885.98 885.02 886.41 885.47 886.93 885.97 887.94 886.50 888.51 887.07 889.07 887.68 889.78 888.33 890.43 889.02 891.11 889.75 891.68 890.52 892.66 891.32 893.55 892.17 894.41 893.02 895.22 893.87 895.53 894.73 896.86 895.58 897.60 896.44

933+00 934+00 935+00 936+00 937+00 938+00 939+00 940+00 941+00 942+00 943+00 944+00 945+00 946+00 947+00

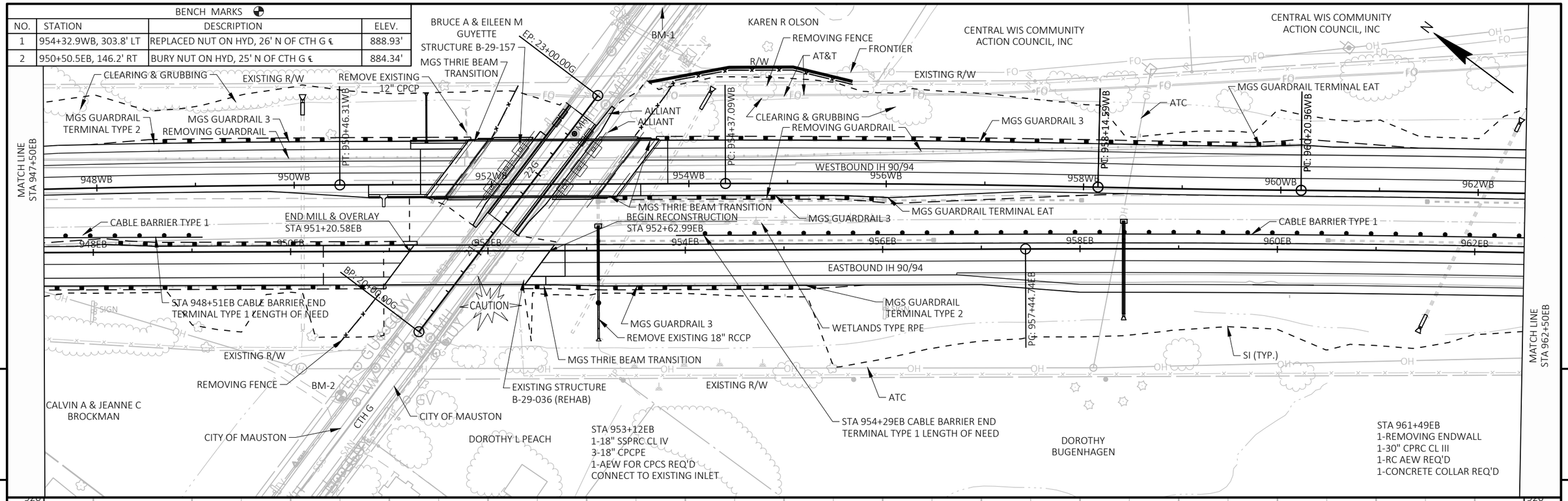
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB I90_94 'EB'	SHEET 512 E

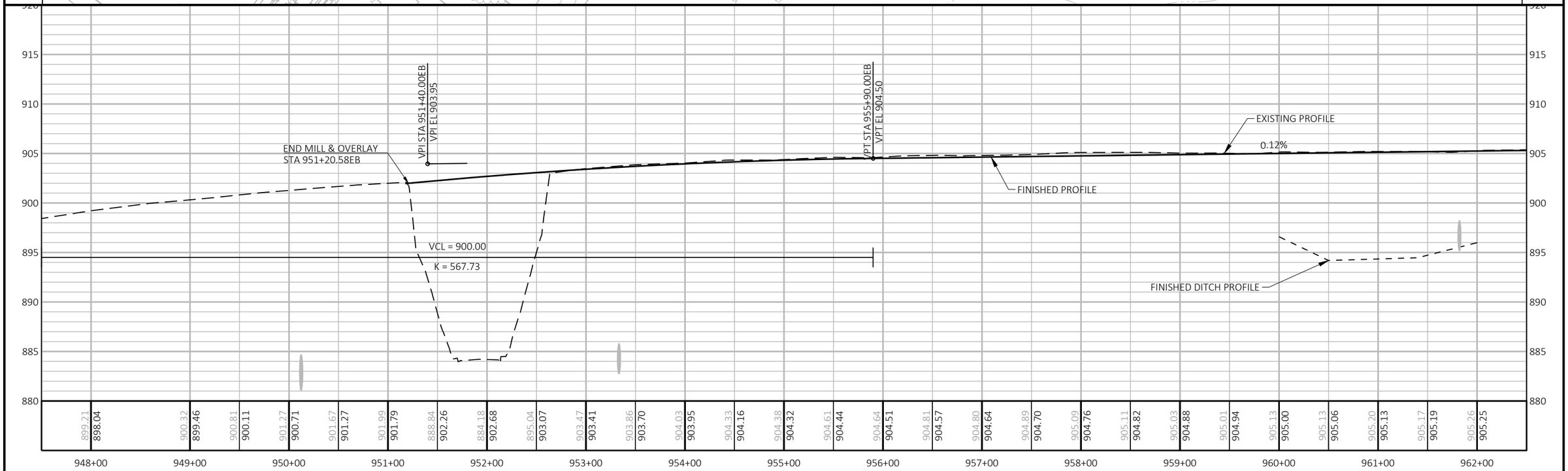
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050101-pp

PLOT DATE : 11/17/2021 2:38 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

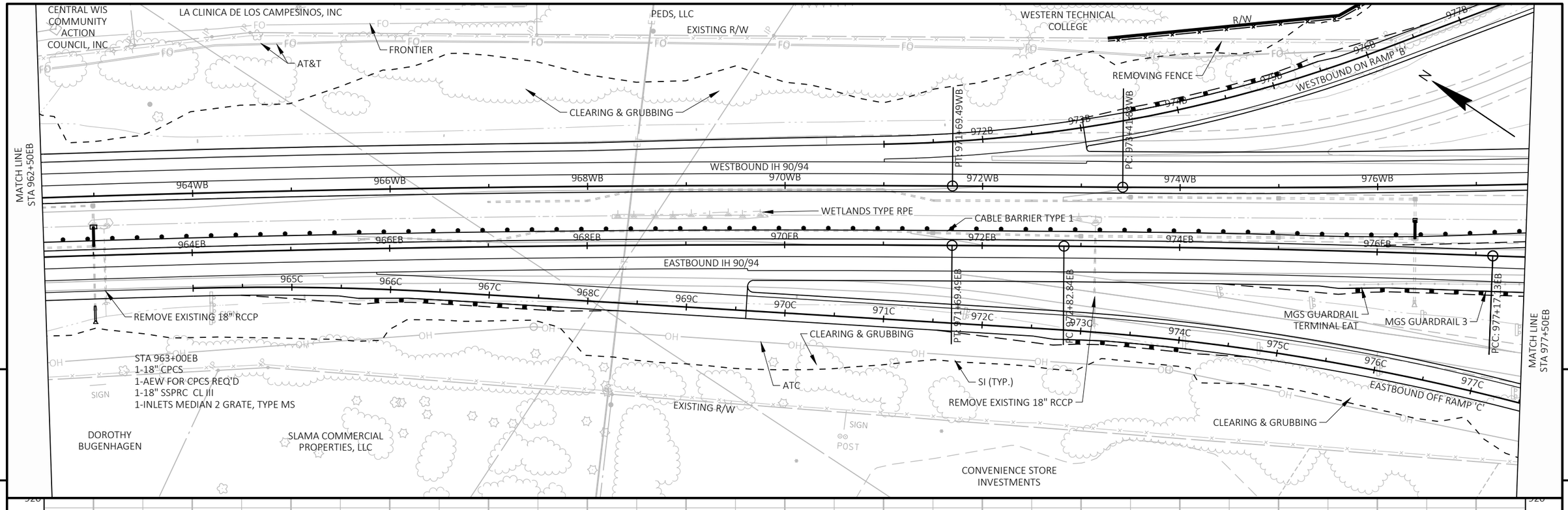
WISDOT/CADDS SHEET 44

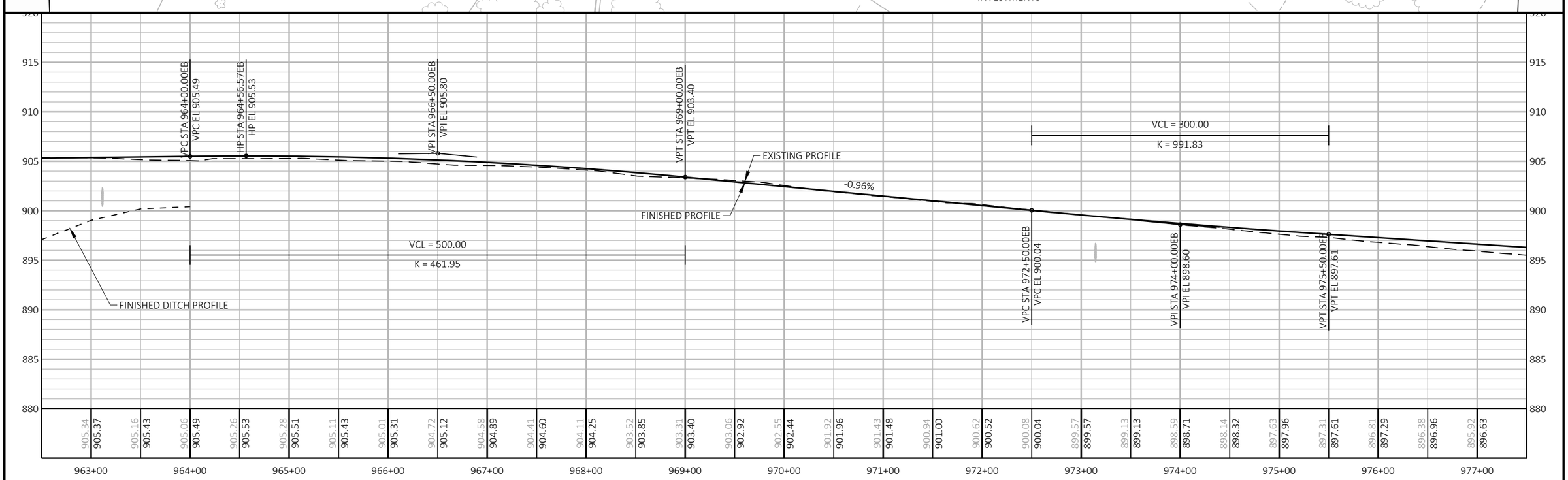
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	954+32.9WB, 303.8' LT	REPLACED NUT ON HYD, 26' N OF CTH G ℄	888.93'
2	950+50.5EB, 146.2' RT	BURY NUT ON HYD, 25' N OF CTH G ℄	884.34'



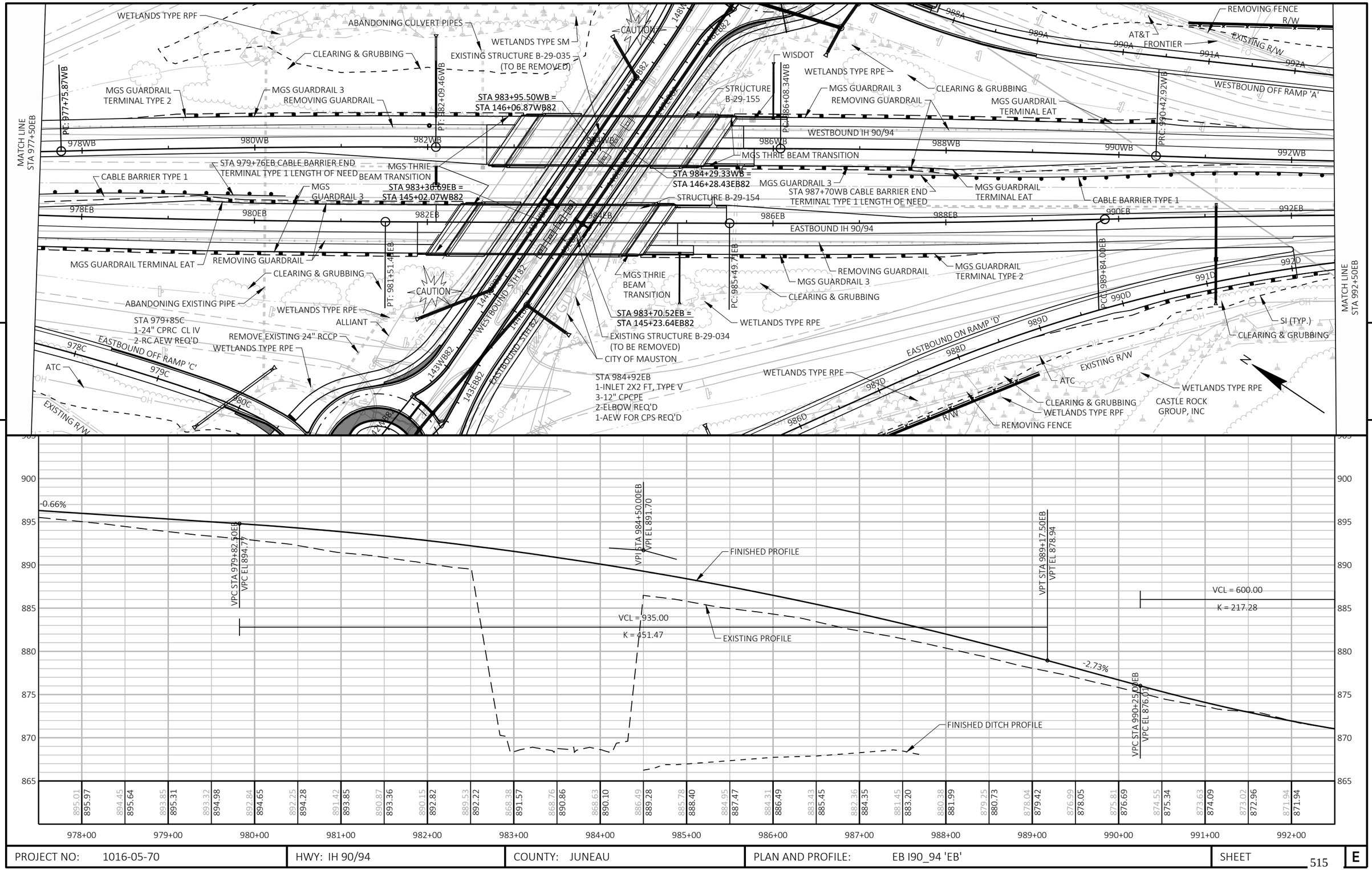


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB I90_94 'EB'	SHEET 513	E





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB I90_94 'EB'	SHEET 514	E

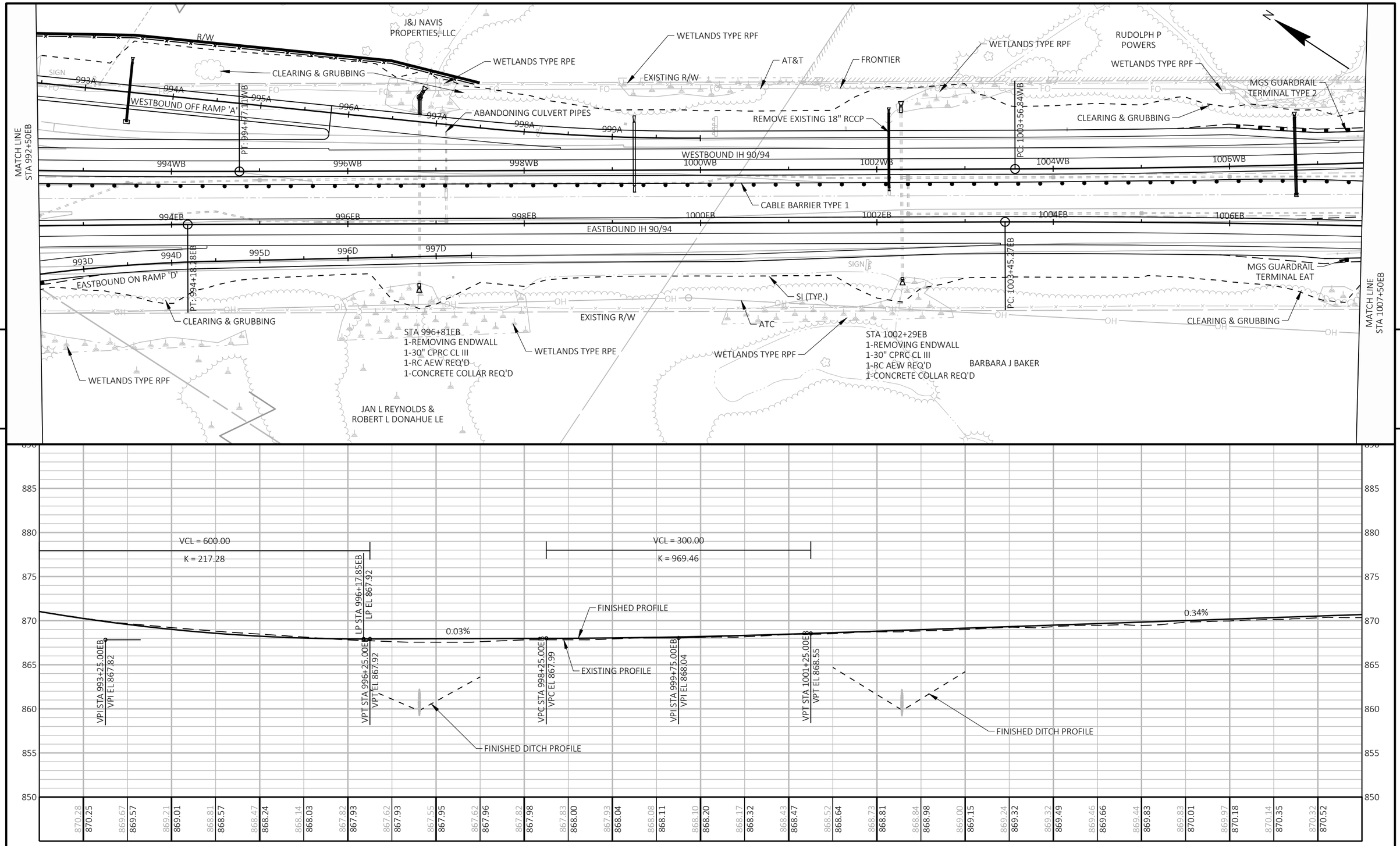


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB I90_94 'EB'	SHEET 515 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050104-pp

PLOT DATE : 11/17/2021 2:40 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

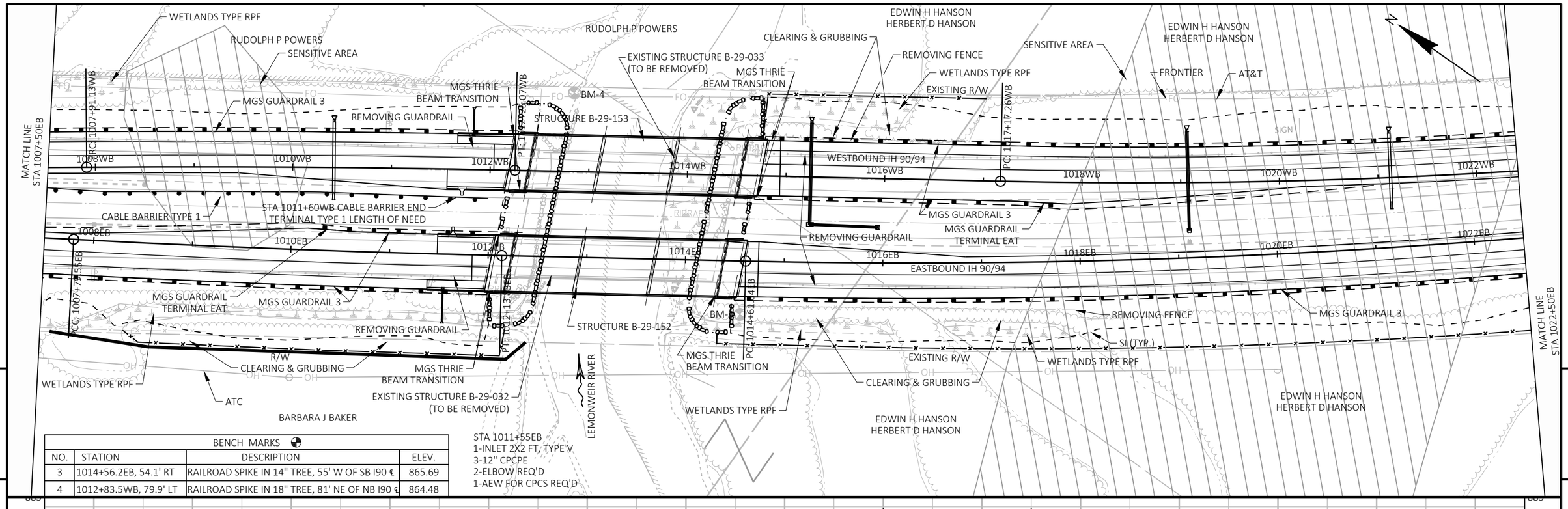


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB I90_94 'EB'	SHEET 516	E

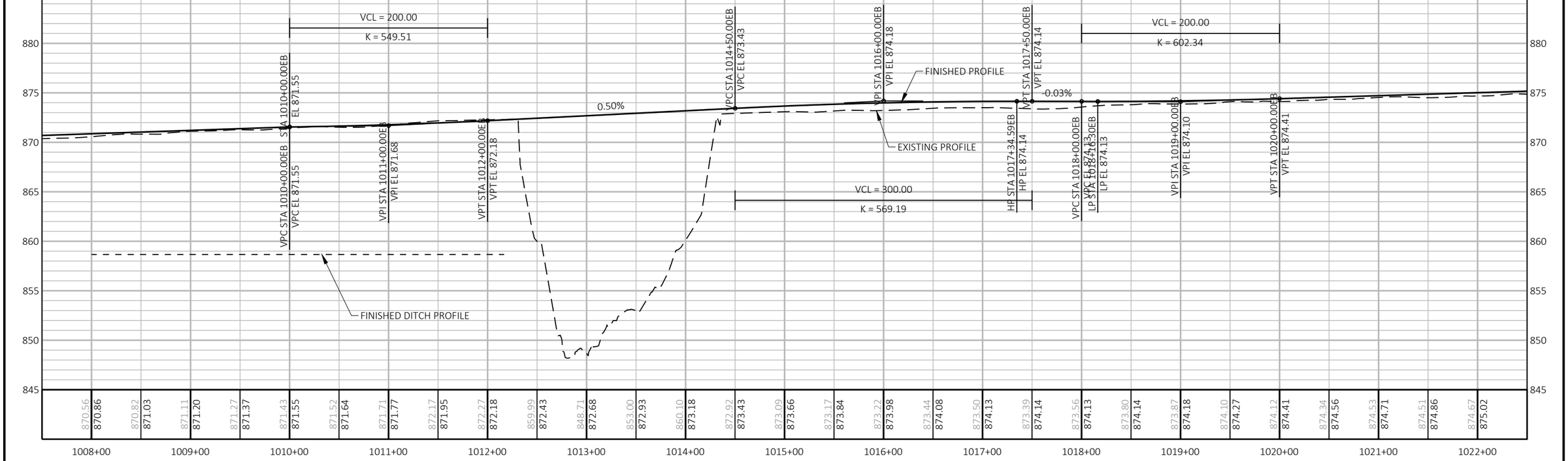
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050105-pp

PLOT DATE : 11/17/2021 2:40 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

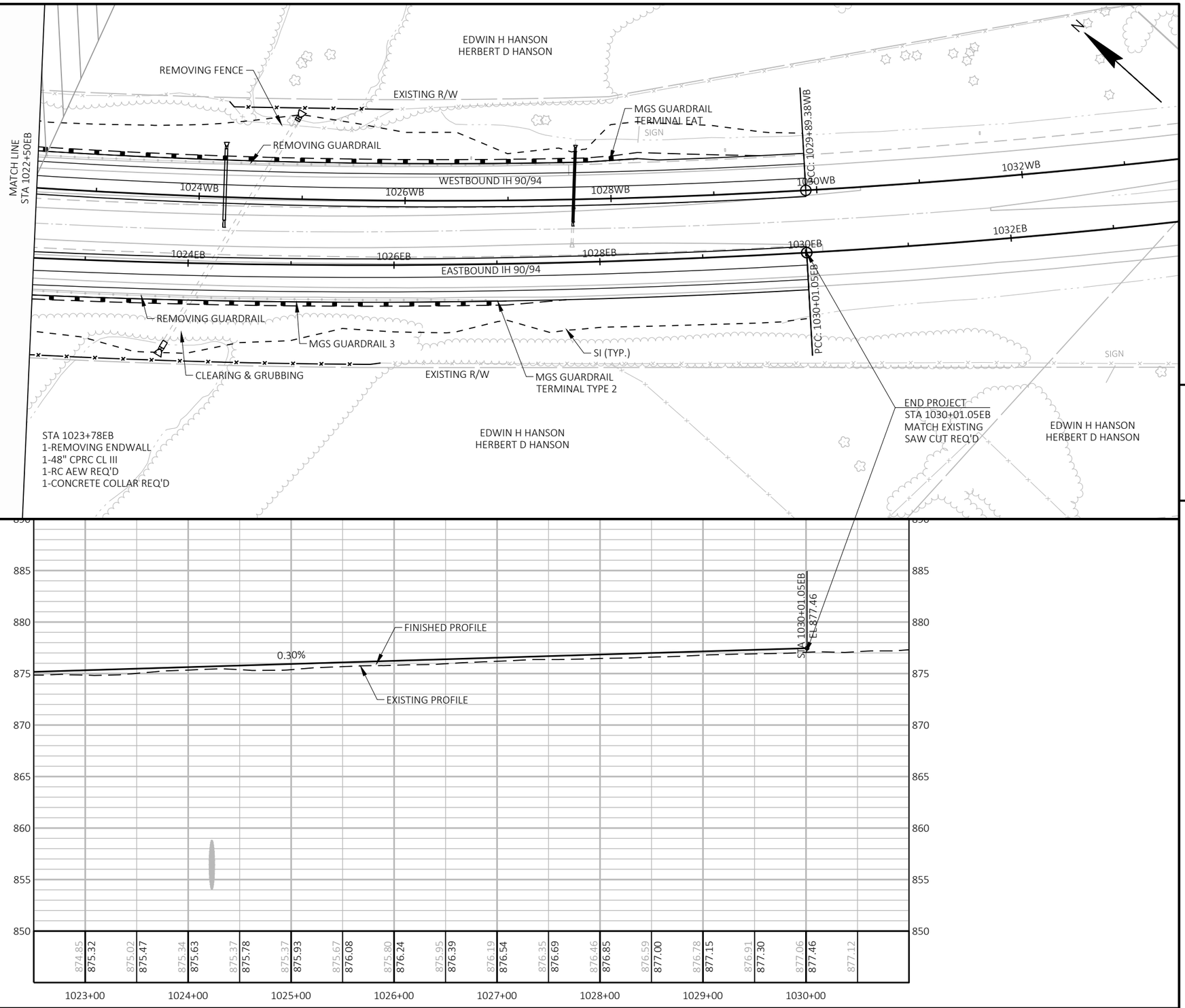


BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
3	1014+56.2EB, 54.1' RT	RAILROAD SPIKE IN 14" TREE, 55' W OF SB I90 ℄	865.69
4	1012+83.5WB, 79.9' LT	RAILROAD SPIKE IN 18" TREE, 81' NE OF NB I90 ℄	864.48



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB I90_94 'EB'	SHEET 517 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050106-pp
PLOT DATE : 11/17/2021 2:41 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT



5

5

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB I90_94 'EB'	SHEET 518 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050107-pp

PLOT DATE : 11/17/2021 2:41 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

BRUCE A & EILEEN M GUYETTE

BRUCE A & EILEEN M GUYETTE

BRUCE A & EILEEN M GUYETTE

ATC

EXISTING R/W

SI (TYP.)

PC: 944+01.89WB

PC: 947+24.10WB

MAINTENANCE CROSSOVER

934WB 936WB 938WB 940WB 942WB WESTBOUND IH 90/94 944WB 946WB

STA 936+59EB CABLE BARRIER END TERMINAL TYPE 1 LENGTH OF NEED

CABLE BARRIER TYPE 1

934EB 936EB 938EB 940EB 942EB 944EB 946EB

EASTBOUND IH 90/94

MATCH LINE STA 947+50WB

SIGN

SIGN

EXISTING R/W

BEGIN RECONSTRUCTION STA 944+01.89WB MATCH EXISTING SAW CUT REQ'D

CALVIN A & JEANNE C BROCKMAN

CALVIN A & JEANNE C BROCKMAN

MH

INL

VPC STA 946+30.00
VPC EL 896.23

VCL = 700.00

K = 526.15

FINISHED PROFILE

1.96%

EXISTING PROFILE

VPC STA 939+23.70
VPC EL 887.01

VPI STA 942+73.70
VPI EL 889.23

VPT STA 946+23.70
VPT EL 896.10

VCL = 1000.00

K = 501.79

933.34	883.05	883.92	883.68	884.28	884.00	884.55	884.32	884.86	884.64	885.16	884.95	885.45	885.27	885.73	885.59	885.92	885.90	886.32	886.22	886.64	886.54	886.98	886.86	887.35	887.18	887.67	887.54	888.11	887.96	888.55	888.42	889.06	888.93	889.74	889.48	890.35	890.09	890.83	890.74	891.46	891.44	892.23	892.18	892.90	892.98	893.67	893.82	894.51	894.71	895.15	895.64	896.51	896.62	897.44	897.55
933+00	934+00	935+00	936+00	937+00	938+00	939+00	940+00	941+00	942+00	943+00	944+00	945+00	946+00	947+00																																											

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 'WB'	SHEET 519	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050108-pp

PLOT DATE : 11/17/2021 2:42 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	954+32.9WB, 303.8' LT	REPLACED NUT ON HYD, 26' N OF CTH G ℄	888.93'
2	950+50.5EB, 146.2' RT	BURY NUT ON HYD, 25' N OF CTH G ℄	884.34'

STA 951+34WB
1-INLET 2X2 FT, TYPE V
3-12" CPCPE
2-ELBOW REQ'D
1-AEW FOR CPCS REQ'D

STA 954+12WB
1-REMOVING ENDWALL
1-30" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D

STA 950+09WB
1-REMOVING ENDWALL
1-36" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D

STA 962+37WB
1-REMOVING ENDWALL
1-30" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D

MATCH LINE STA 947+50WB

MATCH LINE STA 962+50WB

BM-1

BM-2

BRUCE A & EILEEN M GUYETTE

KAREN R OLSON

CENTRAL WIS COMMUNITY ACTION COUNCIL, INC

CENTRAL WIS COMMUNITY ACTION COUNCIL, INC

CALVIN A & JEANNE C BROCKMAN

DOROTHY L PEACH

DOROTHY BUGENHAGEN

MGS THRIE BEAM TRANSITION

REMOVE EXISTING 12" CPCP

EXISTING R/W

STRUCTURE B-29-157

EXISTING STRUCTURE B-29-037 (TO BE REMOVED)

EP: 23+00.00G

MGS GUARDRAIL TERMINAL TYPE 2

MGS GUARDRAIL 3

REMOVING GUARDRAIL

PT: 950+46.31WB

R/W

FRONTIER

ALLIANT

ALLIANT

AT&T

PC: 954+37.09WB

MGS GUARDRAIL 3

REMOVING GUARDRAIL

EXISTING R/W

PT: 958+14.59WB

ATC

MGS GUARDRAIL TERMINAL EAT

SI (TYP.)

PT: 960+20.96WB

948WB 950WB 952WB 954WB 956WB 958WB 960WB 962WB

WESTBOUND IH 90/94

CABLE BARRIER TYPE 1

STA 948+51EB CABLE BARRIER END TERMINAL TYPE 1 LENGTH OF NEED

MGS THRIE BEAM TRANSITION WETLANDS TYPE RPE

STA 954+29EB CABLE BARRIER END TERMINAL TYPE 1 LENGTH OF NEED

MGS GUARDRAIL TERMINAL EAT

CABLE BARRIER TYPE 1

948EB 950EB 952EB 954EB 956EB 958EB 960EB 962EB

EASTBOUND IH 90/94

BP: 20+00.00G

CAUTION

REMOVING GUARDRAIL

MGS GUARDRAIL 3

REMOVE EXISTING 18" RCCP

MGS GUARDRAIL TERMINAL TYPE 2

PC: 957+44.74EB

MGS THRIE BEAM TRANSITION

EXISTING R/W

CITY OF MAUSTON

EXISTING STRUCTURE B-29-036 (REHAB)

EXISTING R/W

ATC

VPI STA 951+30.00WB
VPI EL 906.05

VPT STA 956+30.00WB
VPT EL 905.91

FINISHED PROFILE

-0.03%

EXISTING PROFILE

HPT STA 956+15.90WB
HPT EL 905.91

VCL = 1000.00

K = 501.79

FINISHED DITCH PROFILE

FINISHED DITCH PROFILE

899.38	899.28	900.08	900.07	900.61	900.80	901.13	901.49	901.78	902.13	902.14	902.72	902.56	903.26	903.01	903.75	888.88	904.19	884.68	904.58	897.55	904.92	904.56	905.21	904.88	905.45	905.13	905.64	905.25	905.78	905.55	905.87	905.66	905.91	905.84	905.90	905.80	905.89	905.78	905.88	905.80	905.86	905.91	905.85	905.78	905.83	905.84	905.82	905.82	905.81	905.86	905.79	905.81	905.78	905.83	905.76	905.91	905.75

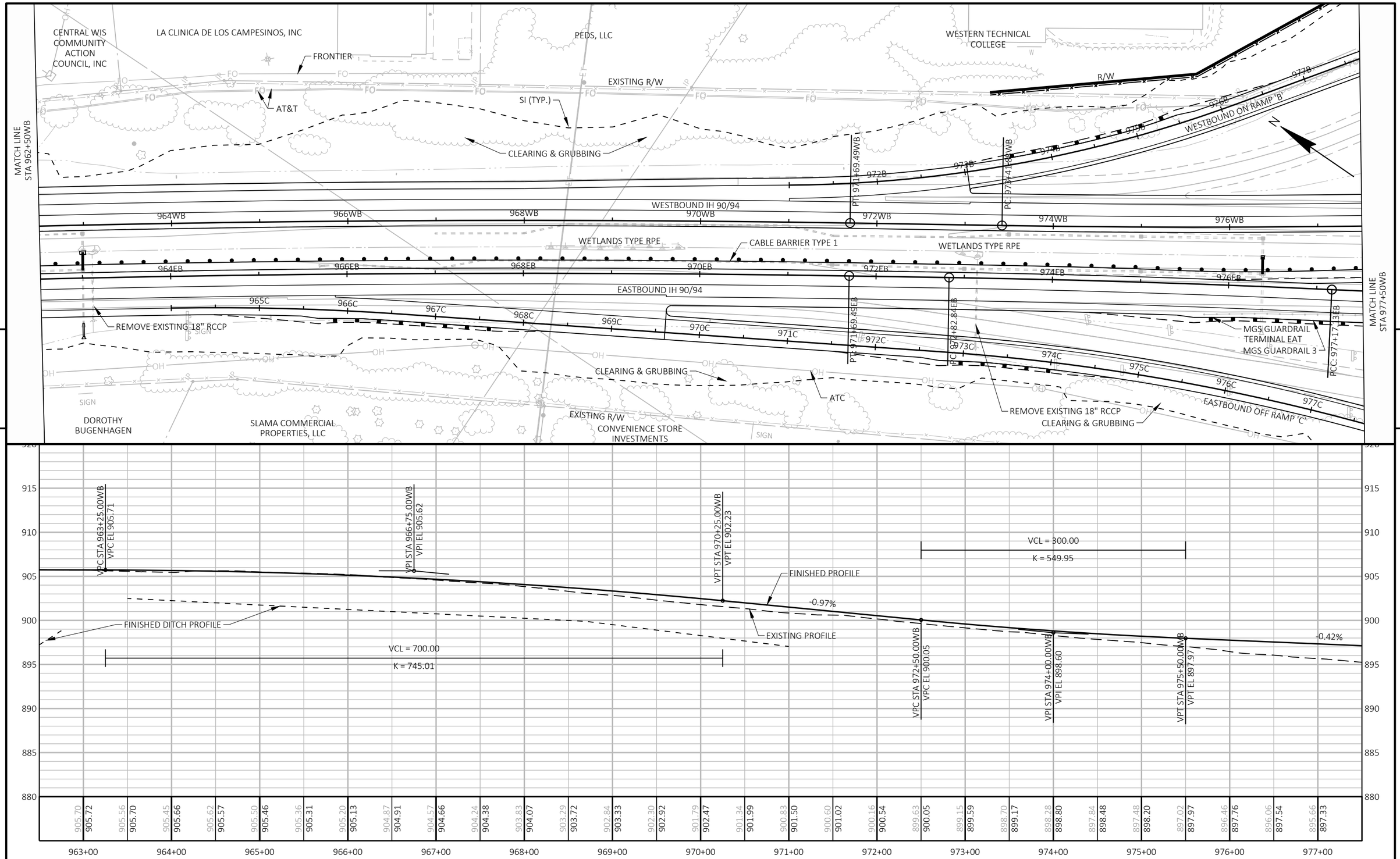
948+00 949+00 950+00 951+00 952+00 953+00 954+00 955+00 956+00 957+00 958+00 959+00 960+00 961+00 962+00

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 'WB'	SHEET 520	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050109-pp

PLOT DATE : 11/17/2021 2:42 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 'WB'	SHEET 521	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050110-pp

PLOT DATE : 11/17/2021 2:43 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

MATCH LINE
STA 977+50WB

MATCH LINE
STA 992+50WB

EXISTING R/W
WESTBOUND ON RAMP 'B'
978B
978B

WETLANDS TYPE RPF

STA 982+10WB
1-REMOVING ENDWALL
3-18" CPCPE
2-ELBOW REQ'D
1-AEW FOR CPCS REQ'D
1-CONCRETE COLLAR REQ'D

WETLANDS TYPE SM

EXISTING STRUCTURE B-29-035
(TO BE REMOVED)

CLEARING & GRUBBING

ABANDONING CULVERT PIPE

STRUCTURE B-29-155

CAUTION

148WB82

148EB82

FRONTIER

ALLIANT

REMOVING FENCE

R/W

SI (TYP.)

AT&T

EXISTING R/W

988A

989A

990A

991A

992A

WESTBOUND OFF RAMP 'A'

STA 986+00WB
1-INLET 2X2 FT, TYPE V
3-12" CPCPE
2-ELBOW REQ'D
1-AEW FOR CPCS REQ'D

WETLANDS TYPE RPE

MGS GUARDRAIL 3

REMOVING GUARDRAIL

CLEARING & GRUBBING

STA 990+48WB
1-18" CPRC CL III
2-RC AEW REQ'D

MGS GUARDRAIL
TERMINAL EAT

MGS GUARDRAIL
TERMINAL TYPE 2

MGS GUARDRAIL 3

REMOVING GUARDRAIL

MGS THRIE
BEAM TRANSITION

PT: 977+75.87WB

PT: 982+09.46WB

PC: 986+08.34WB

PRC: 990+42.92WB

WESTBOUND IH 90/94

978WB
980WB
982WB
986WB
988WB
990WB
992WB

MGS GUARDRAIL
TERMINAL EAT

STA 979+76EB CABLE
BARRIER END TERMINAL
TYPE 1 LENGTH OF NEED

CABLE BARRIER TYPE 1

MGS THRIE
BEAM TRANSITION

MGS GUARDRAIL 3

MGS THRIE
BEAM TRANSITION

STA 987+70WB CABLE BARRIER END
TERMINAL TYPE 1 LENGTH OE NEED

CABLE BARRIER TYPE 1

978EB
980EB
982EB
984EB
986EB
988EB
990EB
992EB

EASTBOUND IH 90/94

REMOVING GUARDRAIL

CLEARING & GRUBBING

PT: 981+51.46EB

PC: 985+49.77EB

PC: 989+84.00EB

MGS GUARDRAIL
TERMINAL TYPE 2

REMOVING GUARDRAIL

CLEARING & GRUBBING

CAUTION

ALLIANT

WESTBOUND STH 82

EASTBOUND STH 82

MGS THRIE BEAM TRANSITION

STRUCTURE B-29-154

EXISTING STRUCTURE B-29-034
(TO BE REMOVED)

CITY OF MAUSTON

EASTBOUND OFF RAMP 'C'
978C

EASTBOUND ON RAMP 'D'
988D
989D
990D
991D
992D

EXISTING R/W

ATC

CASTLE ROCK
GROUP, INC

CLEARING & GRUBBING

5

5

905
900
895
890
885
880
875
870
866

VPC STA 978+75.00WB
VPC EL 896.59

VPI STA 984+50.00WB
VPI EL 894.17

VPT STA 990+25.00WB
VPT EL 878.61

FINISHED PROFILE

VCL = 600.00
K = 257.92

VCL = 1150.00
K = 503.81

EXISTING PROFILE

VPC STA 990+25.00WB
VPC EL 878.61

894.84	896.91	894.38	896.70	893.82	896.48	893.36	896.22	893.00	895.91	892.47	895.55	892.05	895.14	891.50	894.68	890.99	894.17	890.46	893.62	889.94	893.01	889.99	892.35	889.14	891.64	888.95	890.89	878.42	890.08	886.63	889.22	885.92	888.32	885.14	887.36	884.81	886.36	883.95	885.30	883.01	884.20	882.08	883.04	881.13	881.84	880.18	880.59	879.11	879.28	878.16	877.95	877.17	876.69	876.47	875.54	875.46	874.47

978+00 979+00 980+00 981+00 982+00 983+00 984+00 985+00 986+00 987+00 988+00 989+00 990+00 991+00 992+00

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 'WB'	SHEET 522	E

MATCH LINE
STA 992+50WB

MATCH LINE
STA 1007+50WB

5

5

R/W

CLEARING & GRUBBING

REMOVING FENCE

WESTBOUND OFF RAMP 'A'

PT: 994+77.11WB

J&J NAVIS
PROPERTIES, LLC

WETLANDS TYPE RPE

CLEARING & GRUBBING

ABANDONING CULVERT PIPES

EXISTING R/W

WESTBOUND IH 90/94

STA 999+25WB
2-24" CPRC CL IV
1-RC AEW REQ'D
1-AEW FOR CP SLOPED
SIDE DRAINS STEEL 6 TO 1

STA 1002+14WB
2-18" CPRC CL IV
1-RC AEW REQ'D
1-AEW FOR CP SLOPED
SIDE DRAINS STEEL 6 TO 1

STA 1002+28WB
1-REMOVING ENDWALL
1-30" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D

FRONTIER

AT&T

REMOVE EXISTING 18" RCCP

WETLANDS TYPE RPF

PC: 1003+56.84WB

RUDOLPH P
POWERS

WETLANDS TYPE RPF

CLEARING & GRUBBING

MGS GUARDRAIL
TERMINAL TYPE 2

CABLE BARRIER TYPE 1

EASTBOUND IH 90/94

PT: 994+18.48EB

EASTBOUND ON RAMP 'D'

SI (TYP.)

ATC

WETLANDS TYPE RPE

EXISTING R/W

WETLANDS TYPE RPF

PC: 1003+45.27EB

MGS GUARDRAIL
TERMINAL EAT

WETLANDS TYPE RPF

JAN L REYNOLDS &
ROBERT L DONAHUE LE

BARBARA J BAKER

994WB 996WB 998WB 1000WB 1002WB 1004WB 1006WB

994EB 996EB 998EB 1000EB 1002EB 1004EB 1006EB

993A 994A 995A 996A 997A 998A 999A

993D 994D 995D 996D 997D

VCL = 600.00
K = 257.92

VCL = 300.00
K = 406.39

-0.38%

0.36%

VPI STA 993+25.00WB
VPI EL 870.50

VPT STA 996+25.00WB
VPT EL 869.36

VPC STA 998+25.00WB
VPC EL 868.61

FINISHED PROFILE

EXISTING PROFILE

LP STA 999+78.80WB
LP EL 868.32

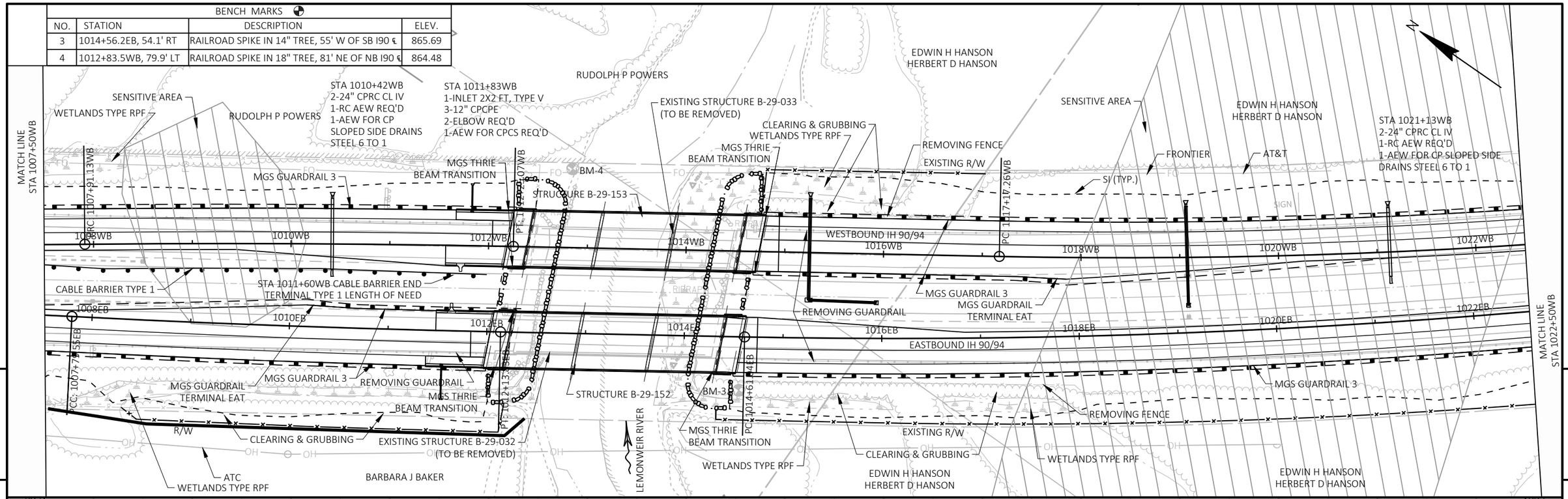
VPI STA 999+75.00WB
VPI EL 868.04

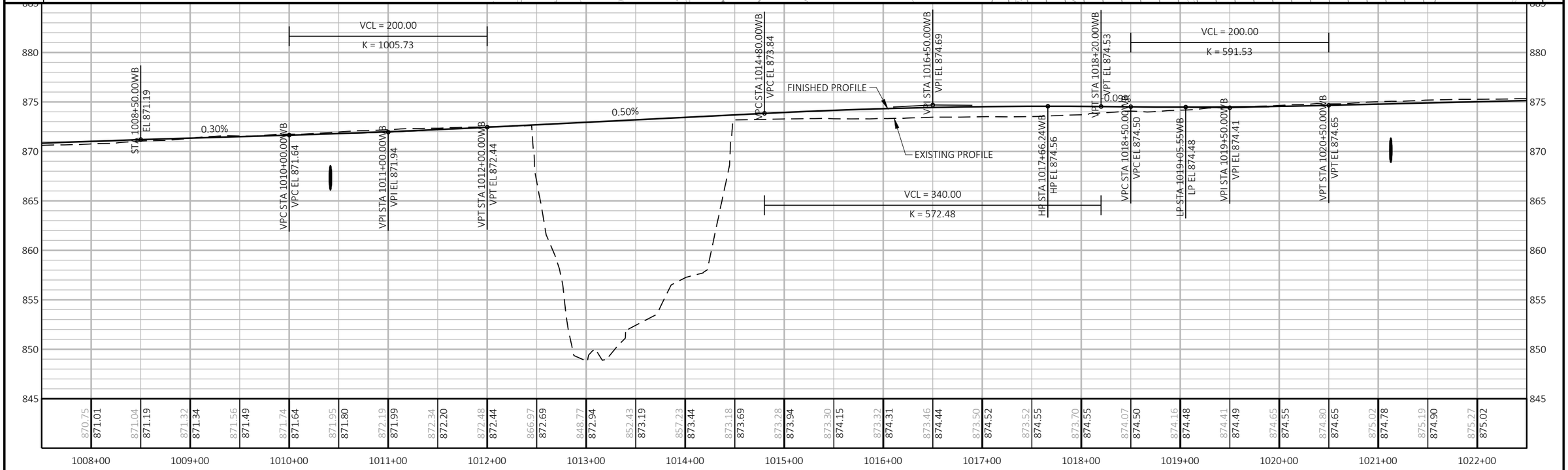
VPT STA 1001+25.00WB
VPT EL 868.58

FINISHED DITCH PROFILE

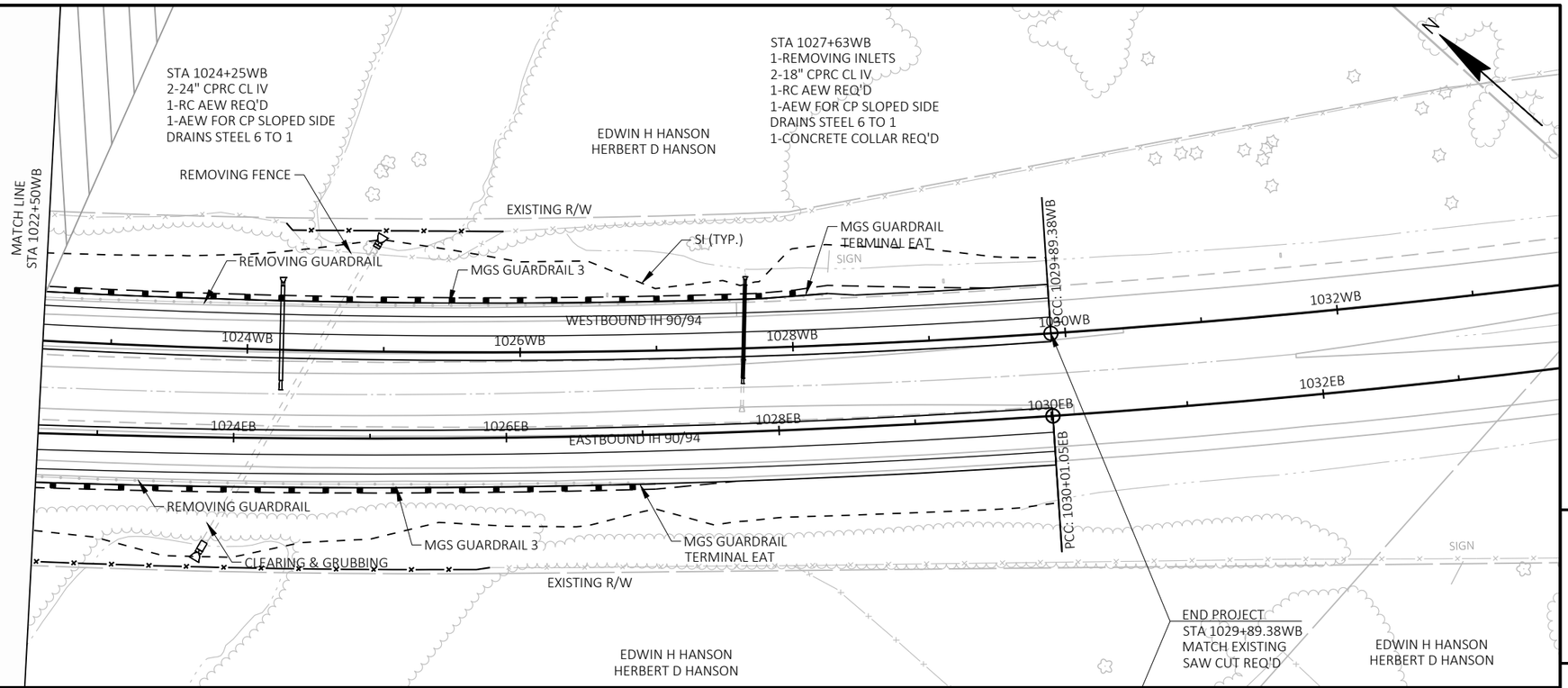
| | | |

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
3	1014+56.2EB, 54.1' RT	RAILROAD SPIKE IN 14" TREE, 55' W OF SB I90 ℄	865.69
4	1012+83.5WB, 79.9' LT	RAILROAD SPIKE IN 18" TREE, 81' NE OF NB I90 ℄	864.48

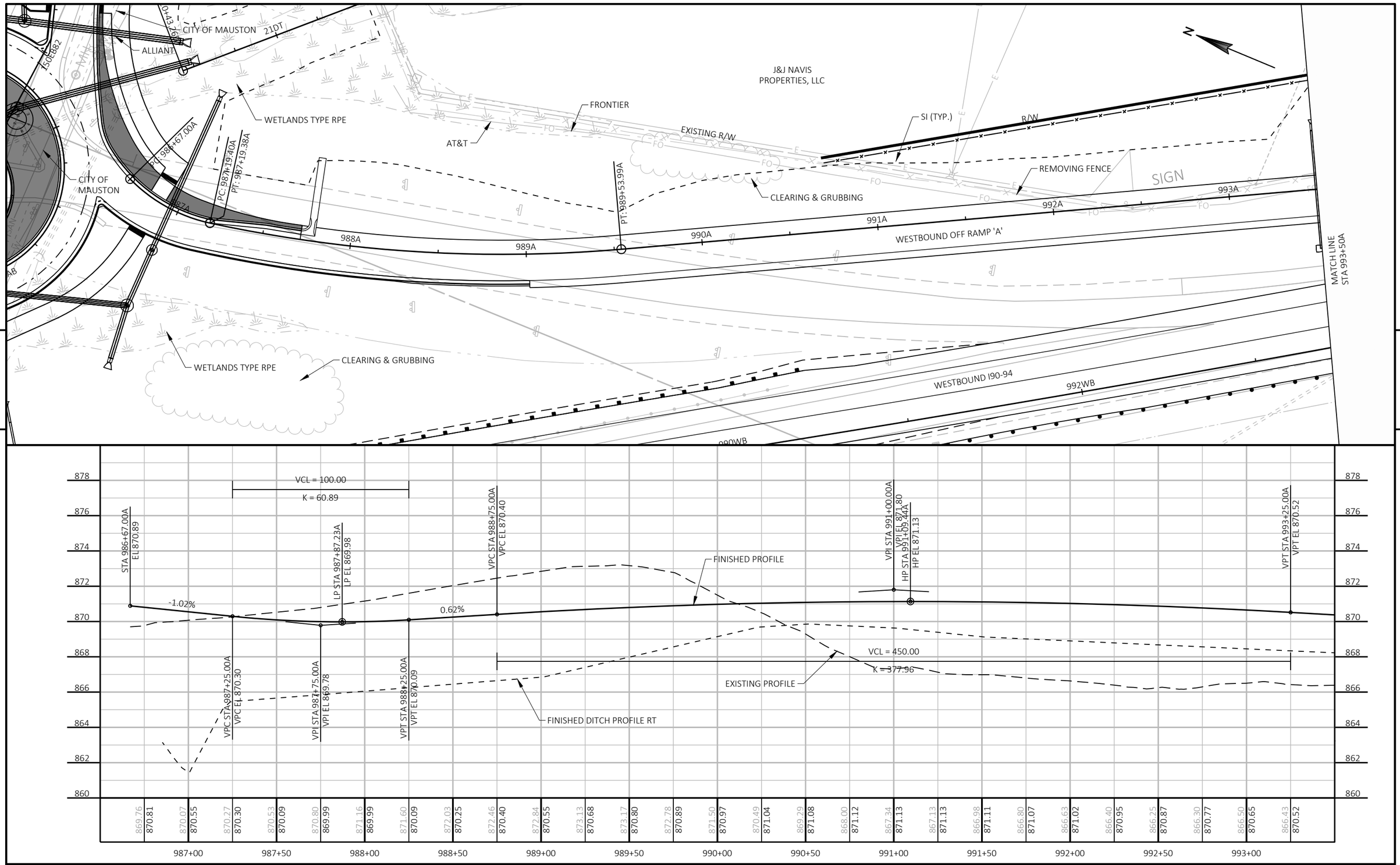




PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 'WB'	SHEET 524	E



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 'WB'	SHEET 525	E

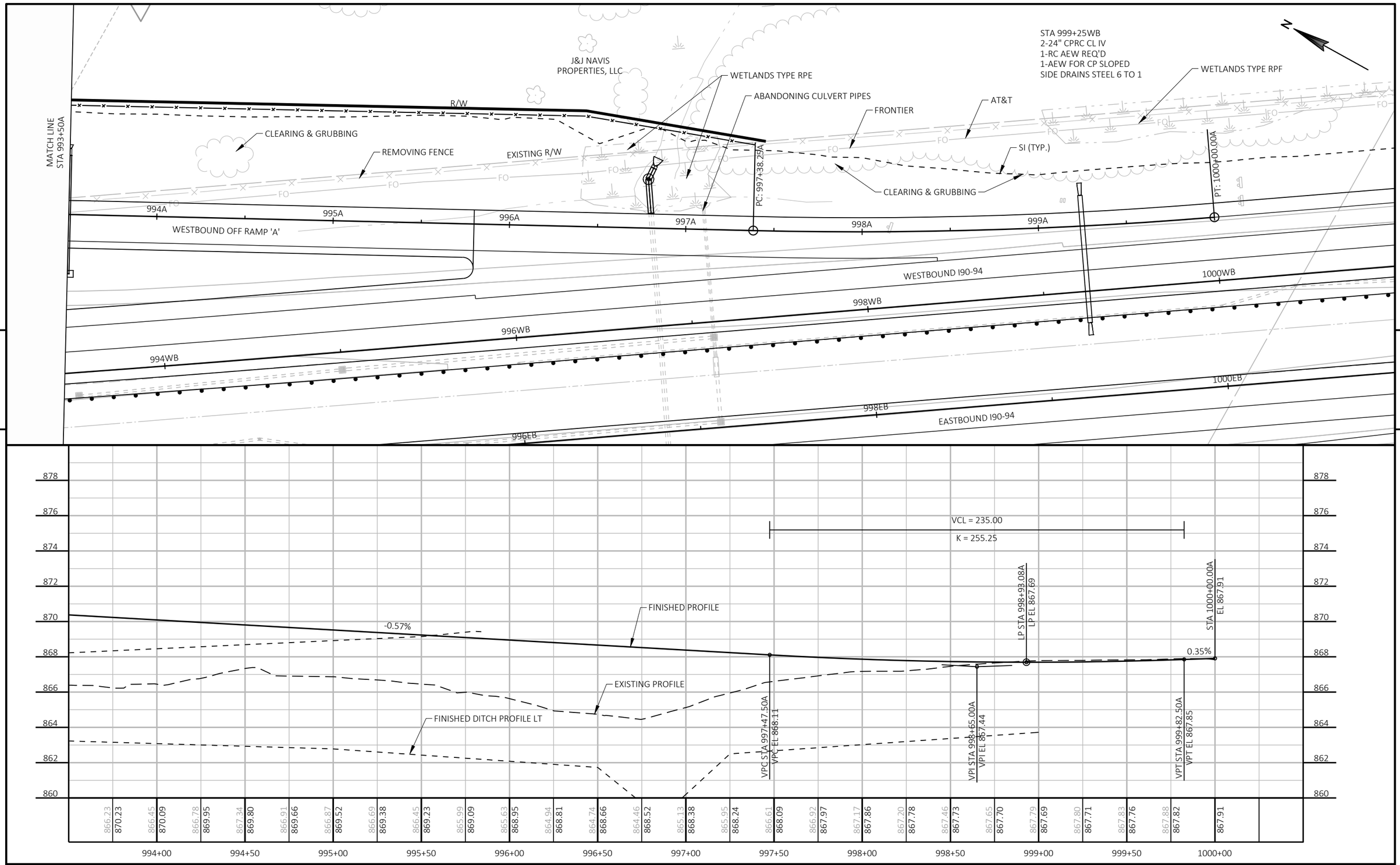


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB OFF RAMP 'A'	SHEET 526 E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050115_pp

PLOT DATE : 11/17/2021 2:46 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

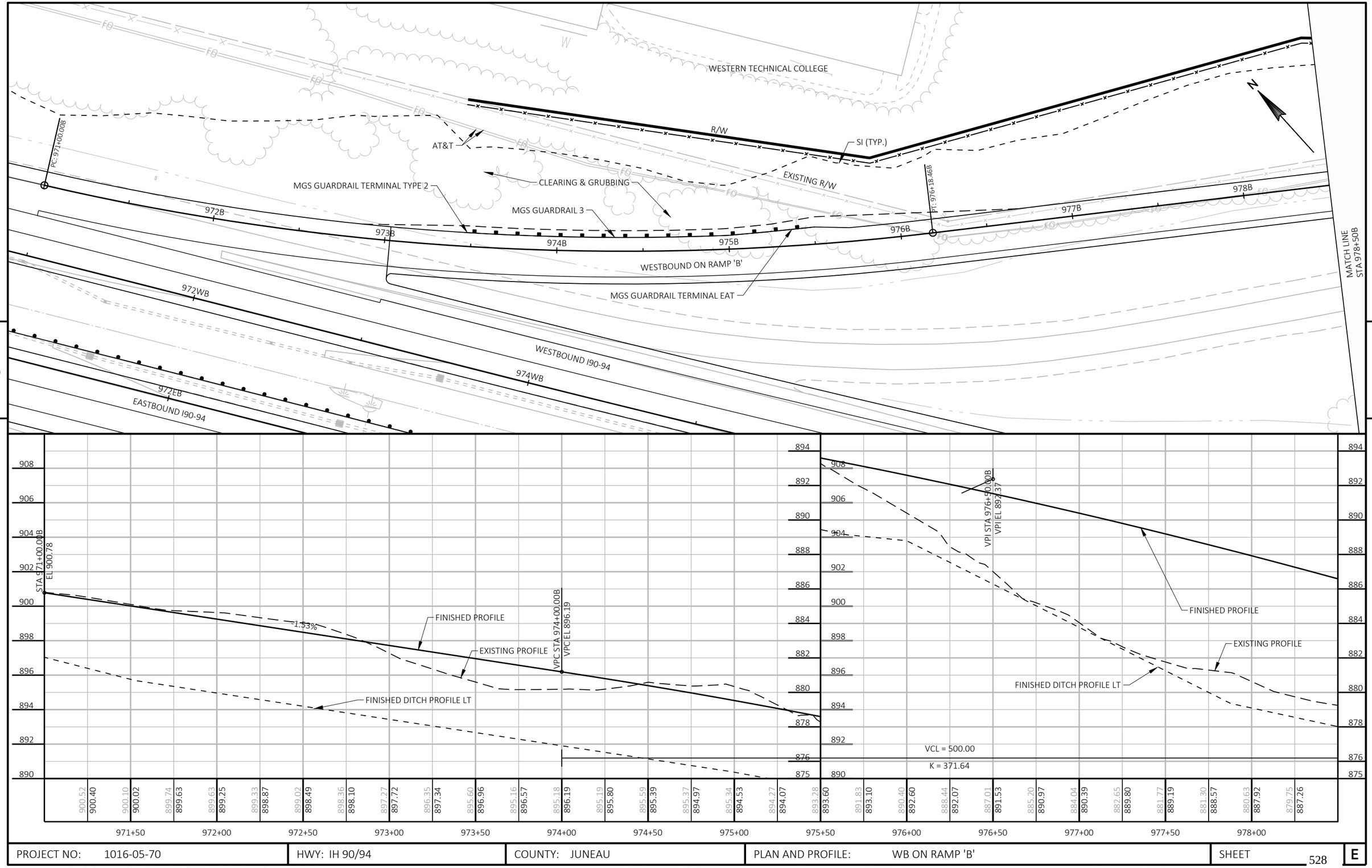
WISDOT/CADDS SHEET 44



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB OFF RAMP 'A'	SHEET 527	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050117_pp

PLOT DATE : 11/17/2021 2:46 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

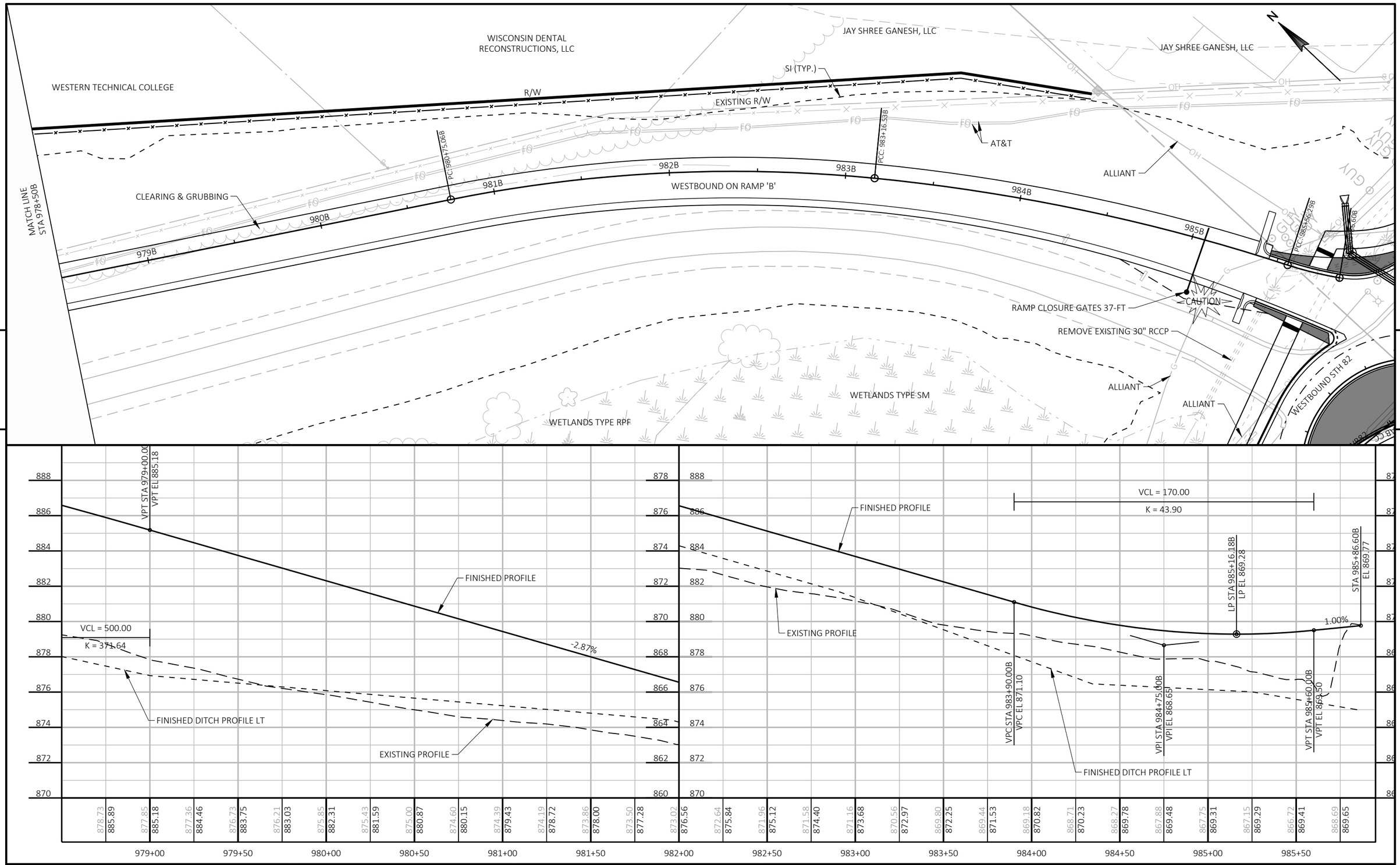


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB ON RAMP 'B'	SHEET 528	E

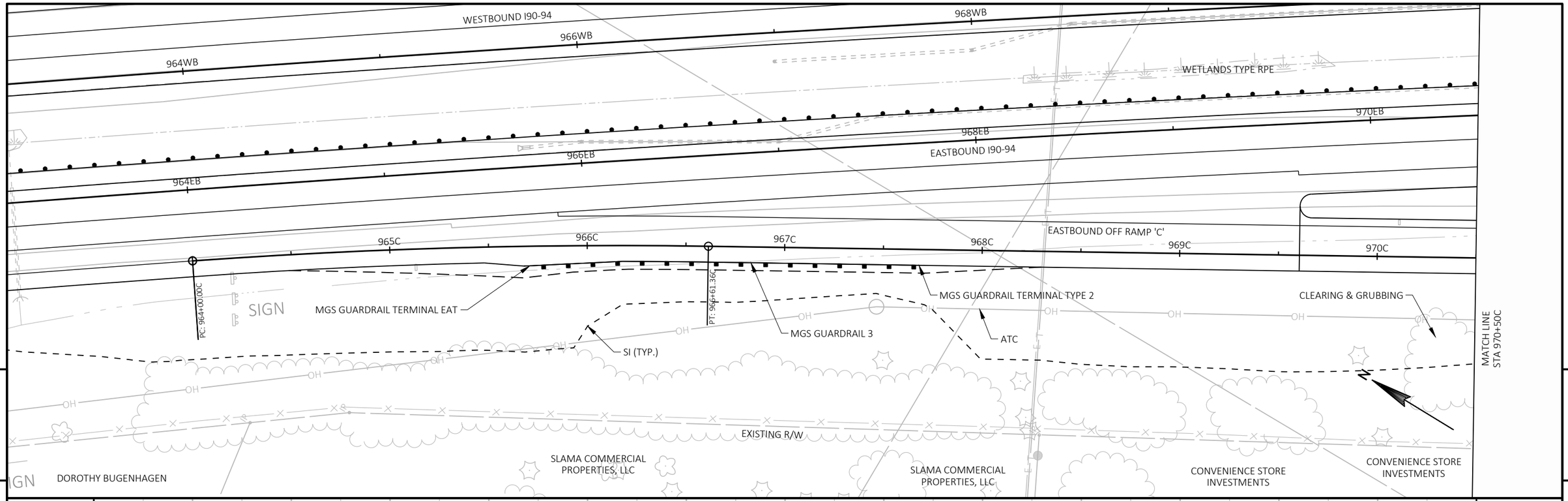
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050134_pp

PLOT DATE : 11/17/2021 2:47 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

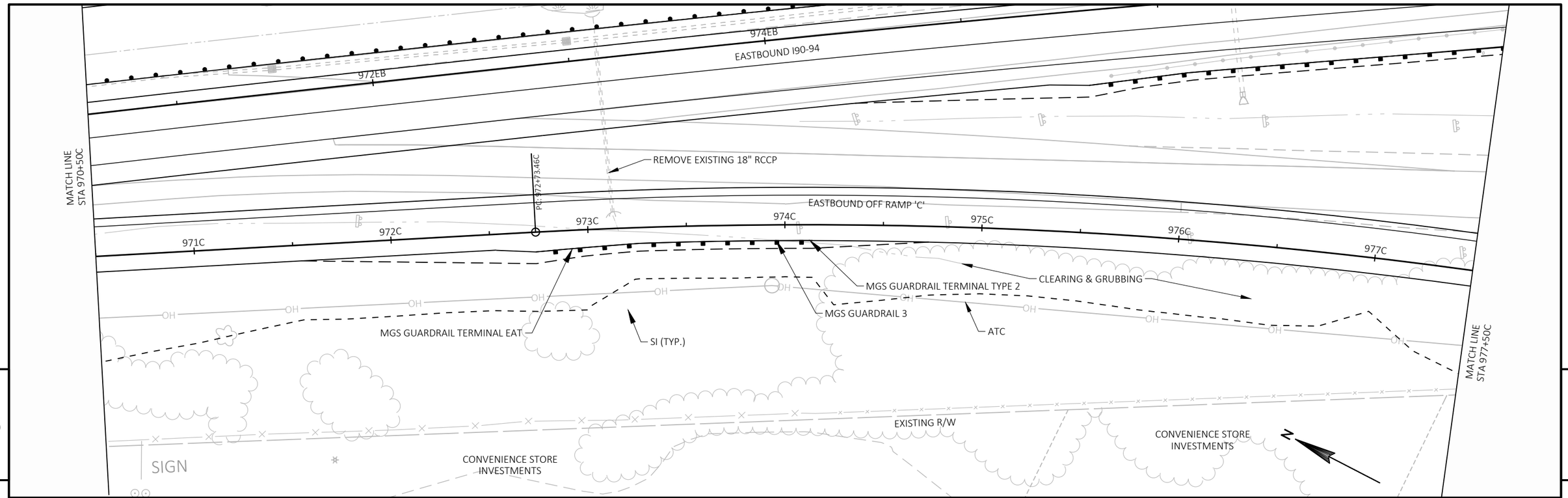


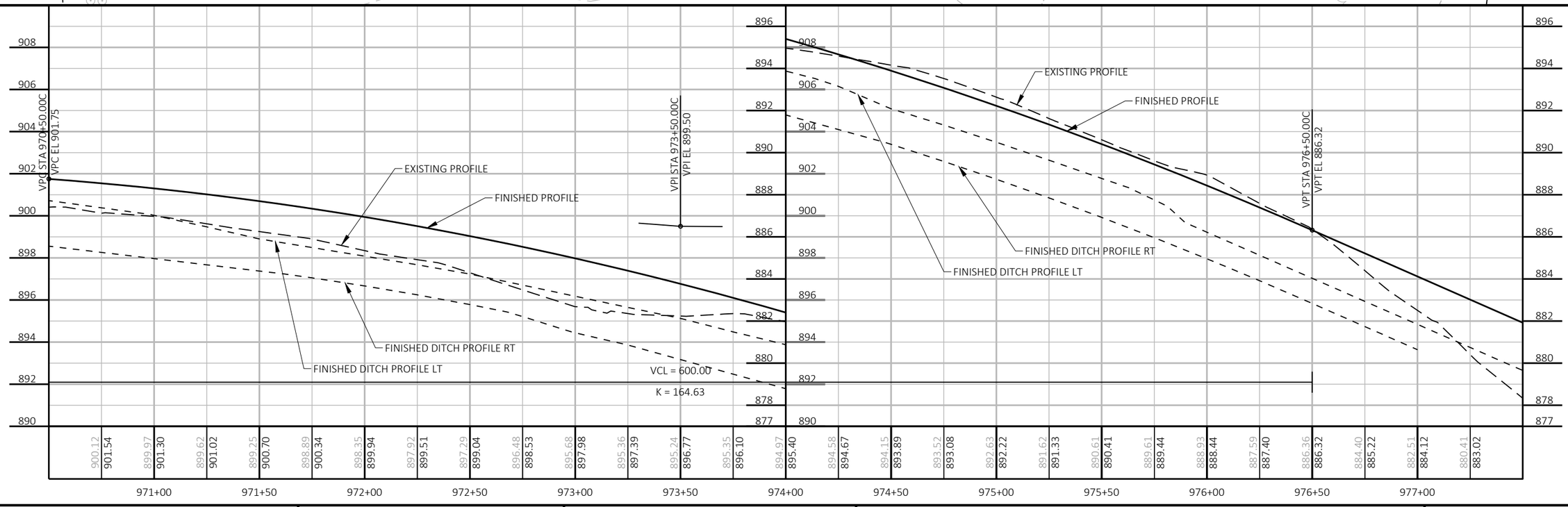
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB ON RAMP 'B'	SHEET 529	E



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB OFF RAMP 'C'	SHEET 530	E

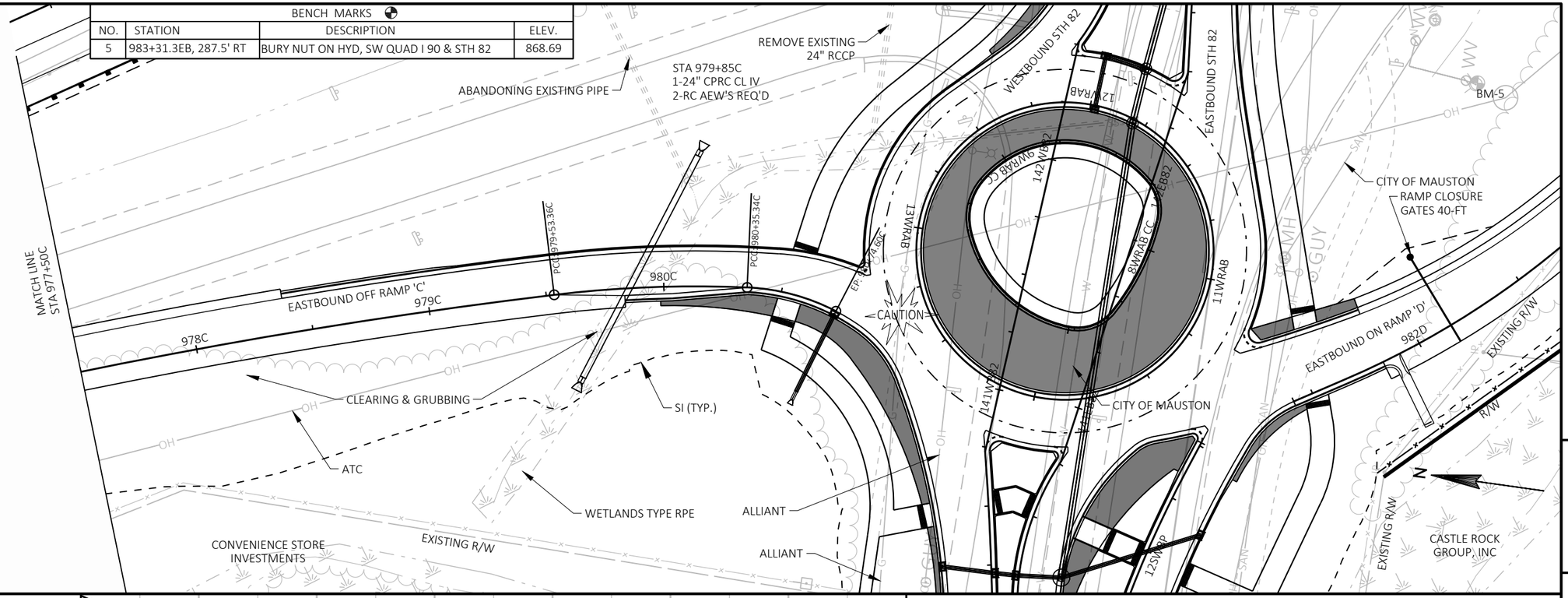
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050119_pp
PLOT DATE : 11/17/2021 2:48 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

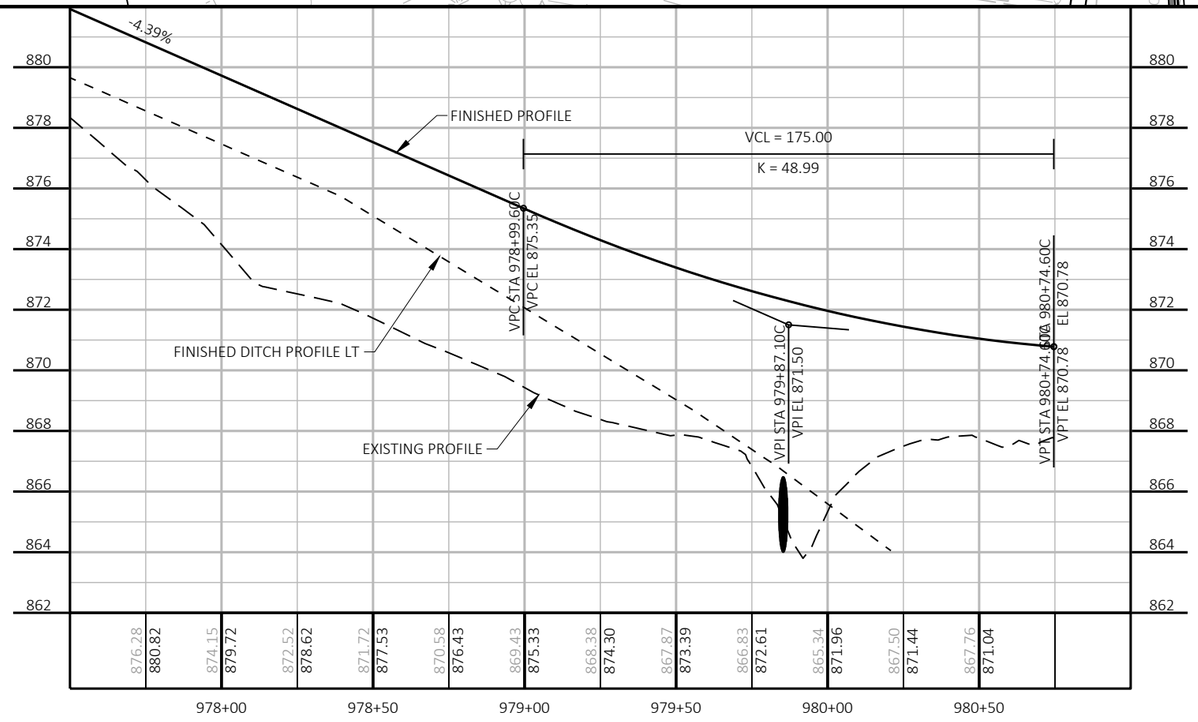




PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB OFF RAMP 'C'	SHEET 531 E

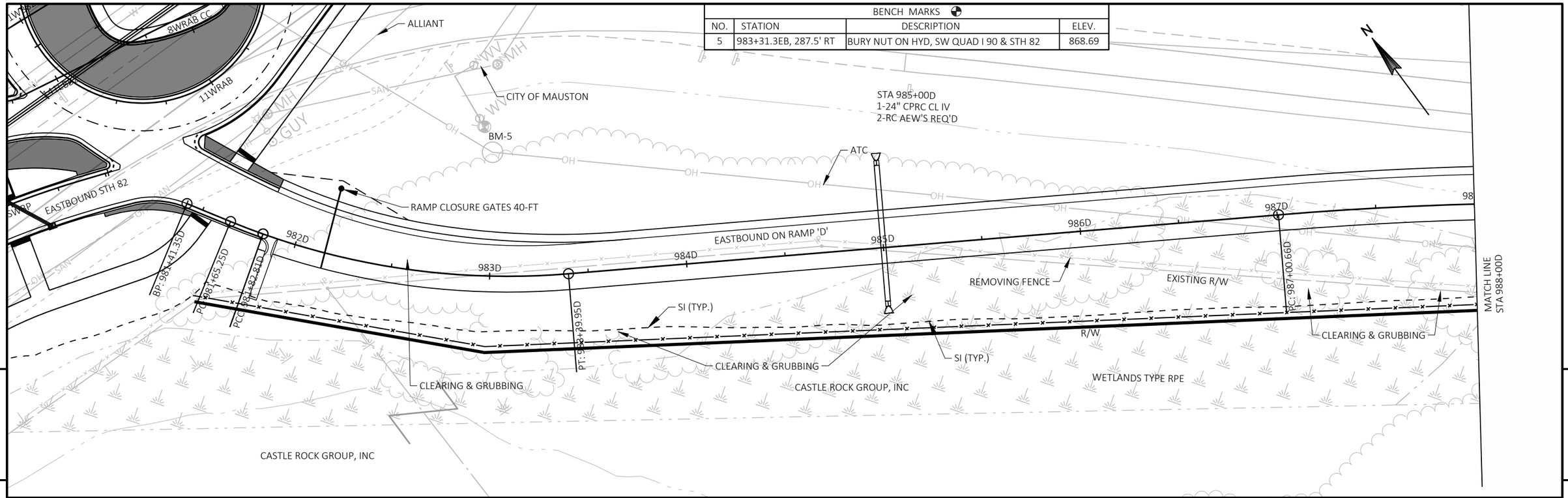
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
5	983+31.3EB, 287.5' RT	BURY NUT ON HYD, SW QUAD I 90 & STH 82	868.69

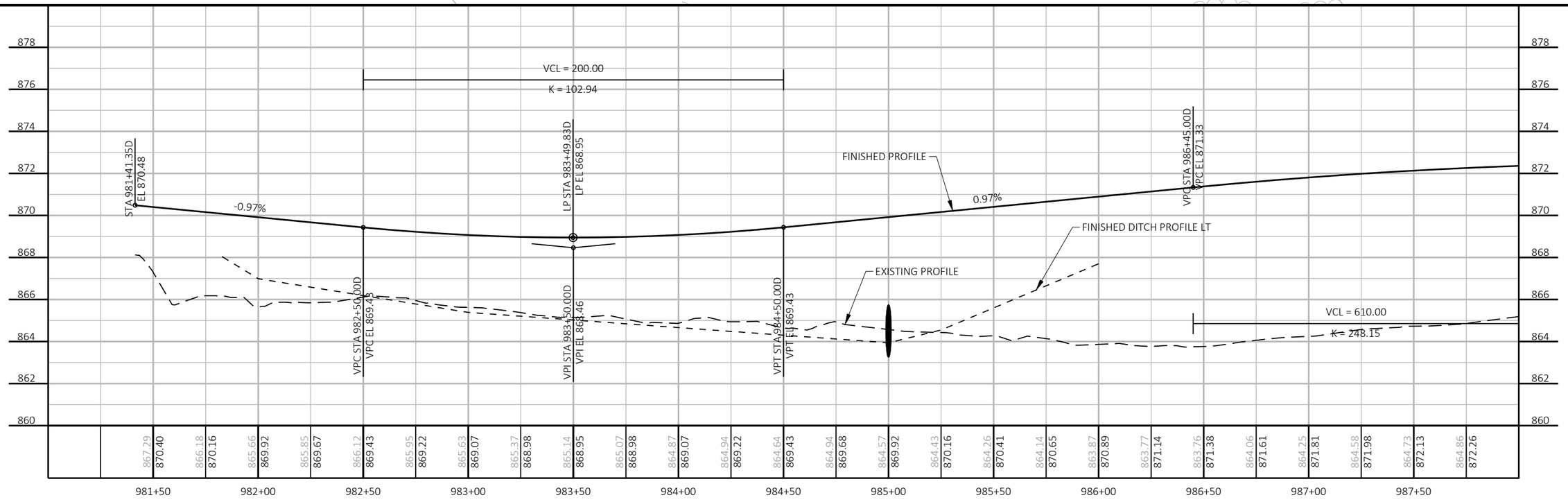




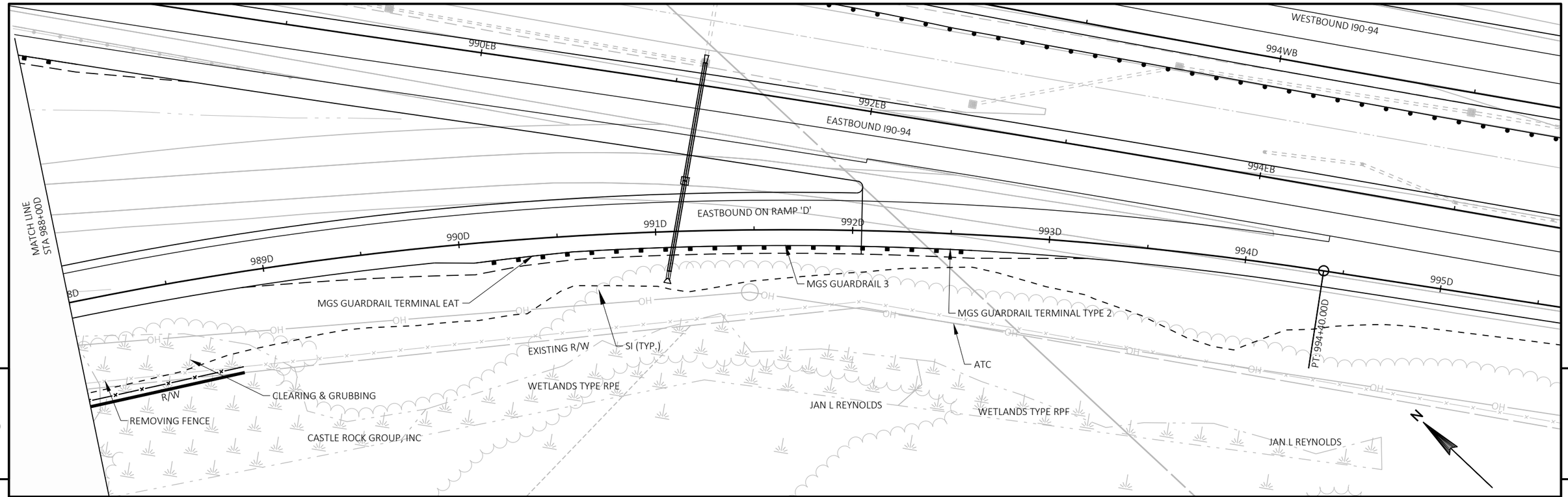
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB OFF RAMP 'C'	SHEET 532	E

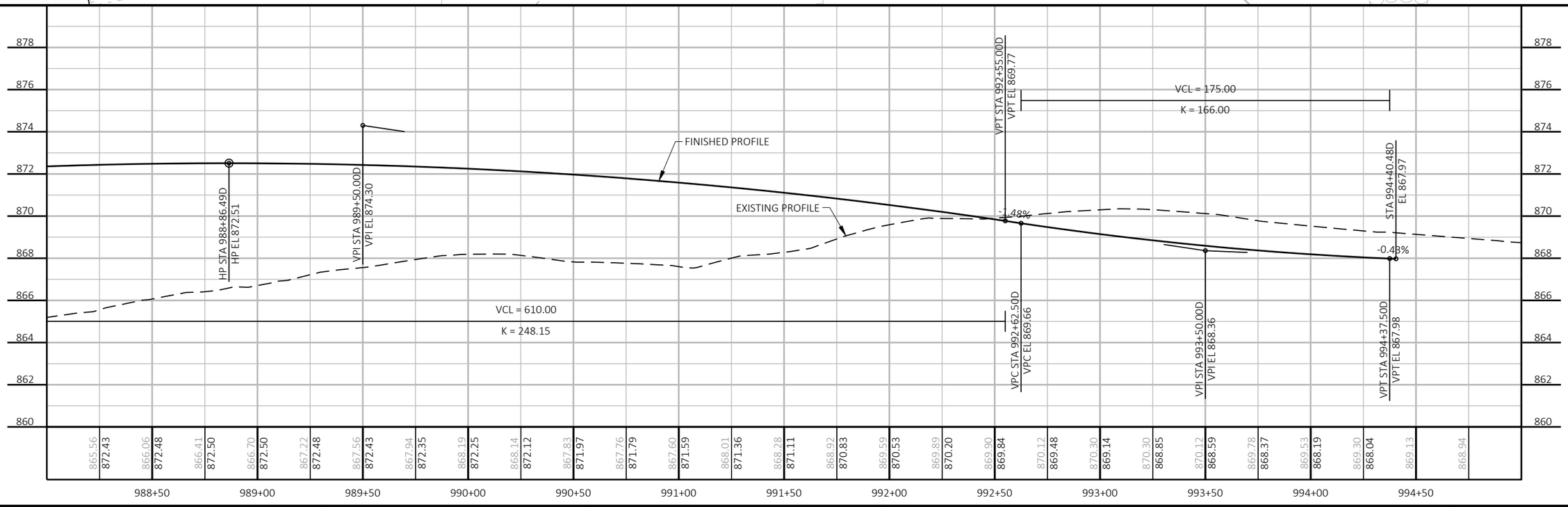
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
5	983+31.3EB, 287.5' RT	BURY NUT ON HYD, SW QUAD I 90 & STH 82	868.69





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB ON RAMP 'D'	SHEET 533 E

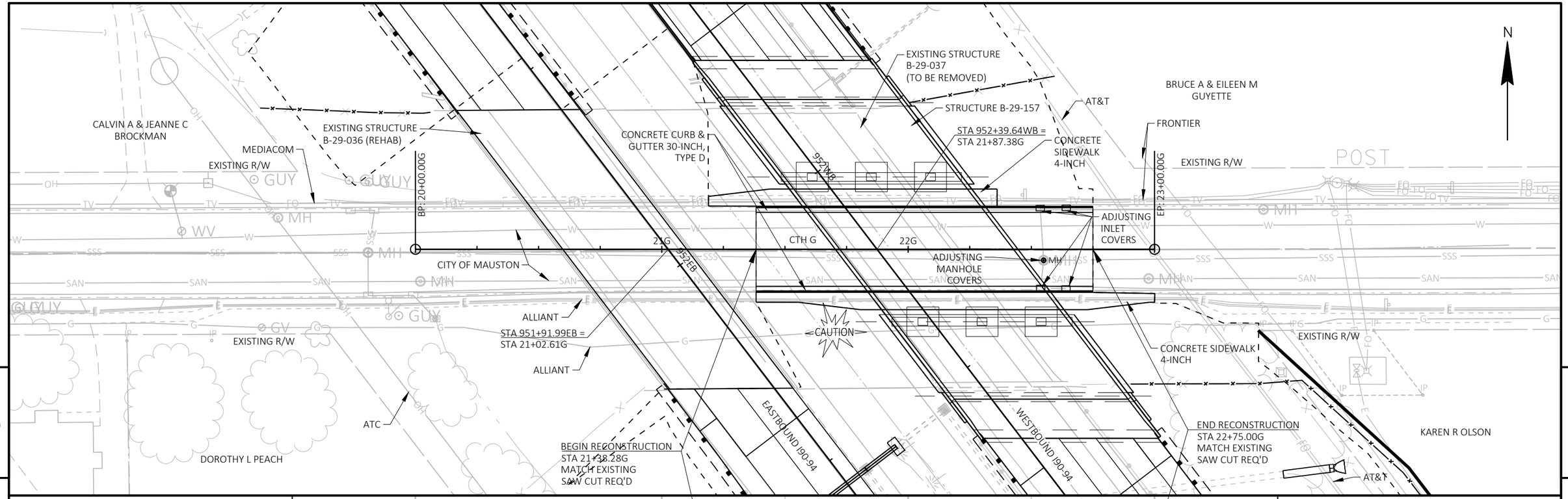


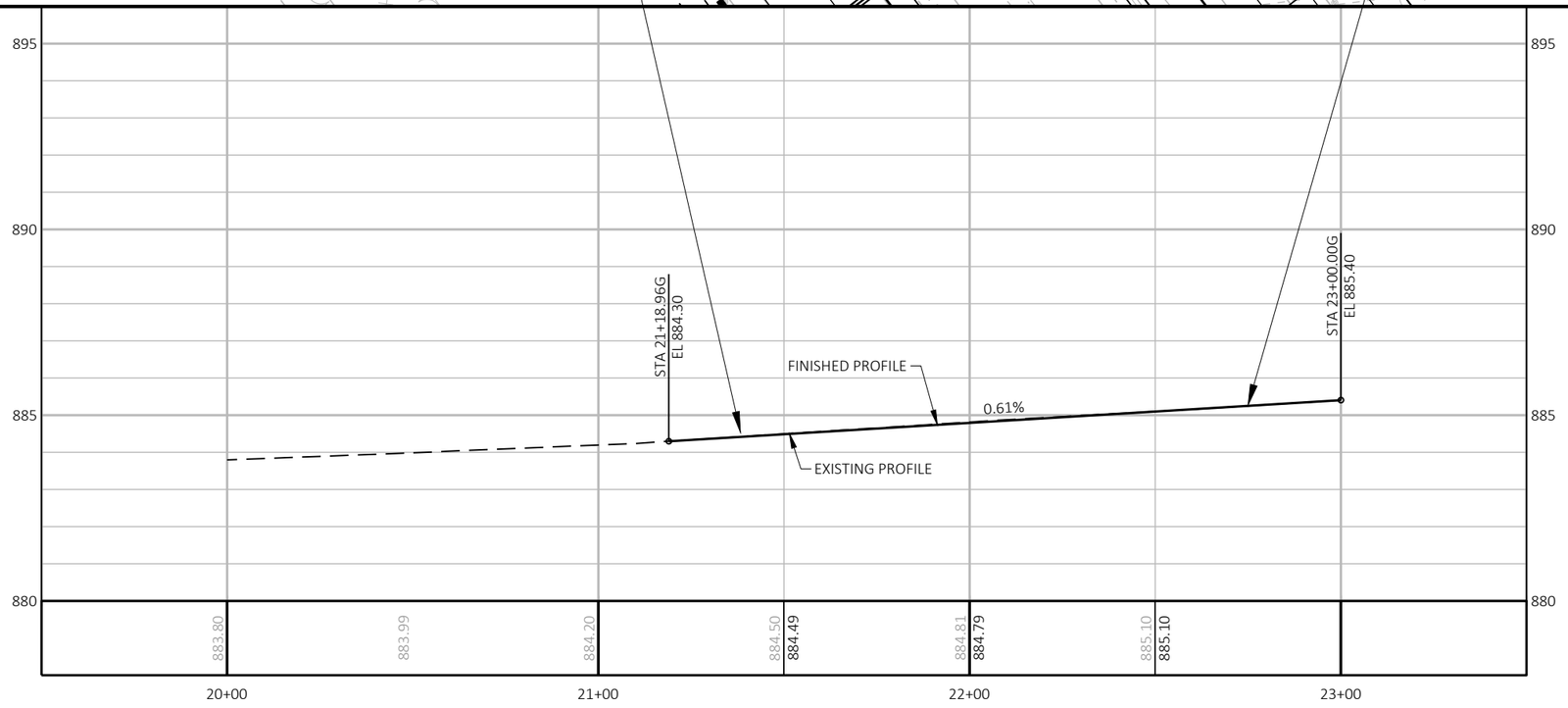


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB ON RAMP 'D'	SHEET 534	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050123_pp

PLOT DATE : 11/17/2021 2:51 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

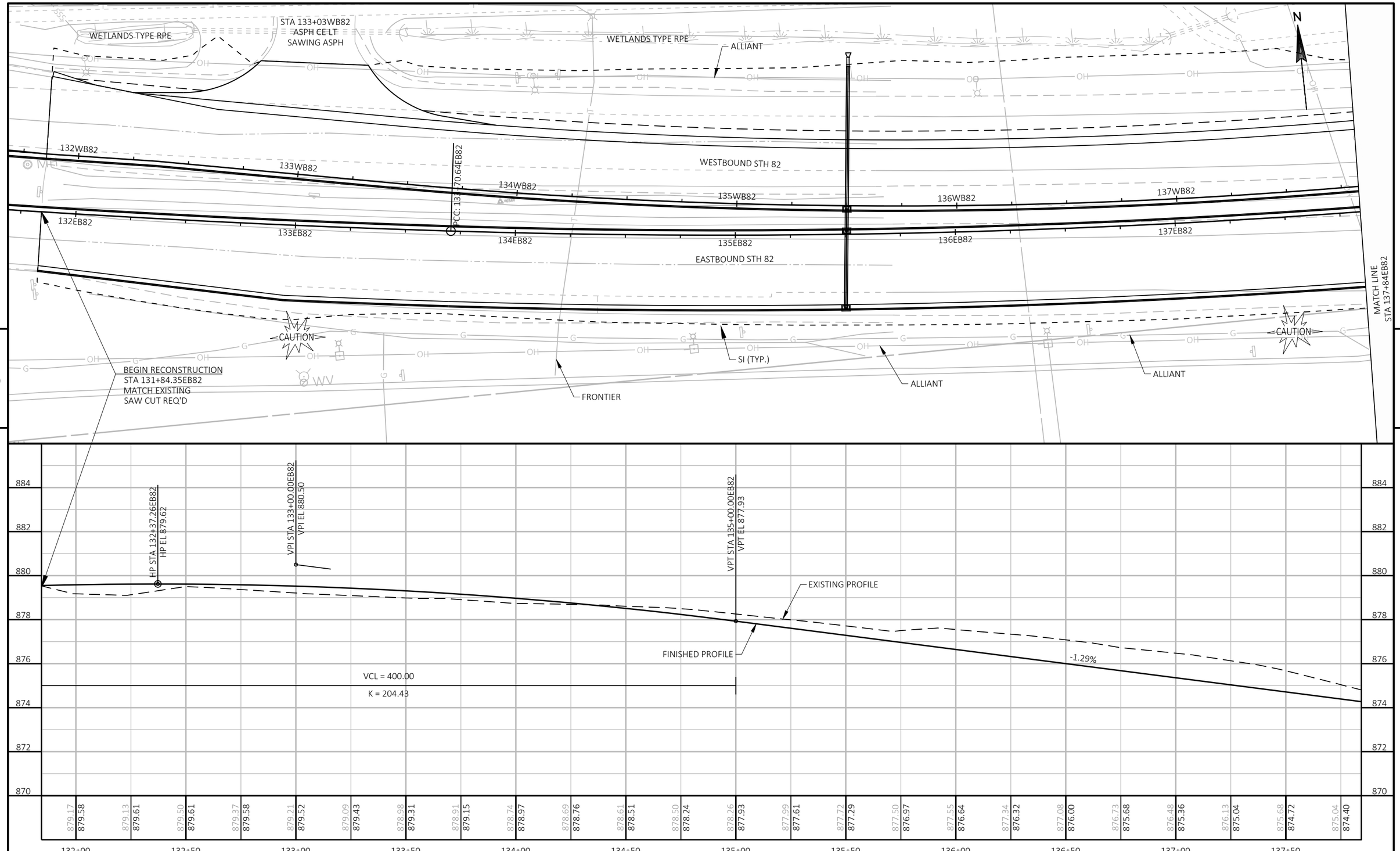




PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: CTH G 'G'	SHEET 535	E

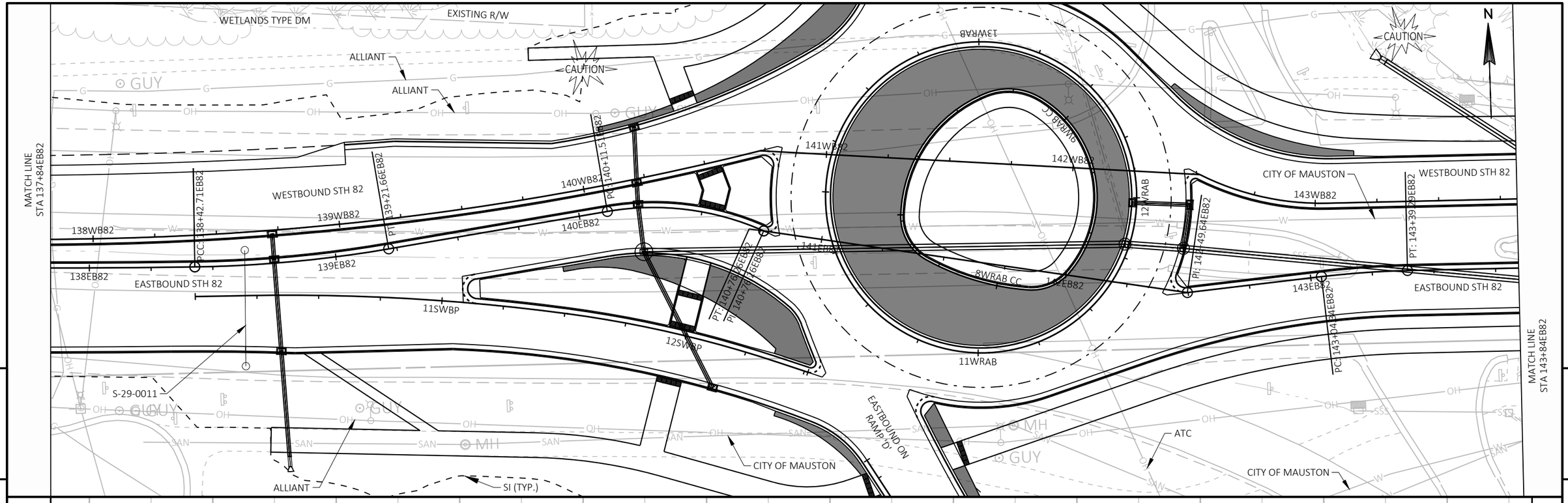
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050124-pp

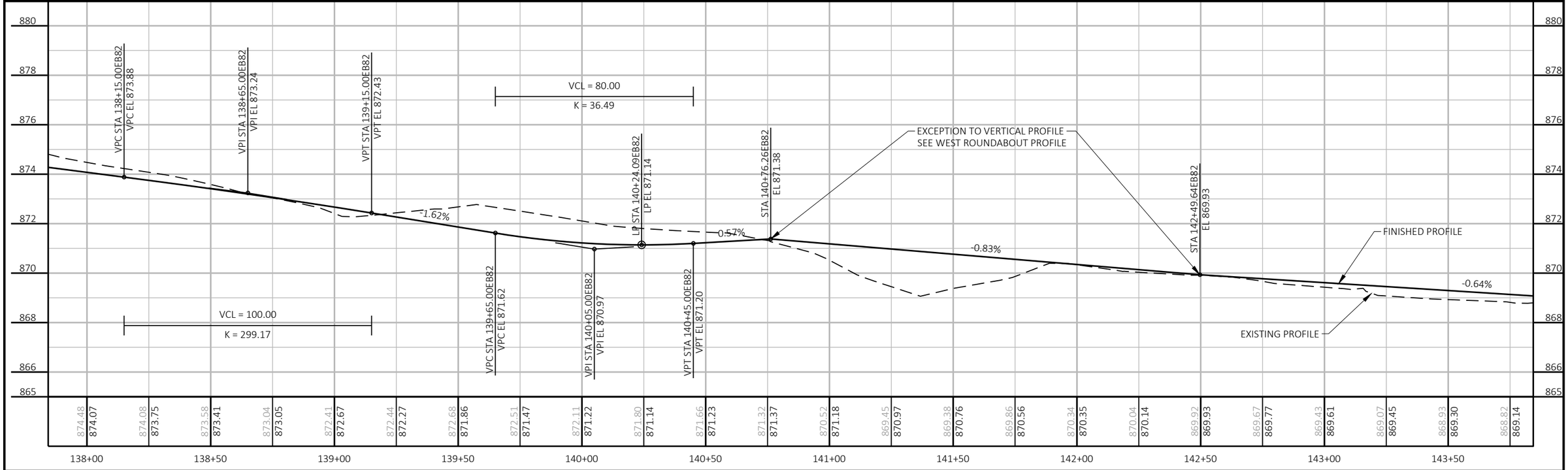
PLOT DATE : 11/17/2021 2:51 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB STH 82 'EB82'	SHEET 536	E

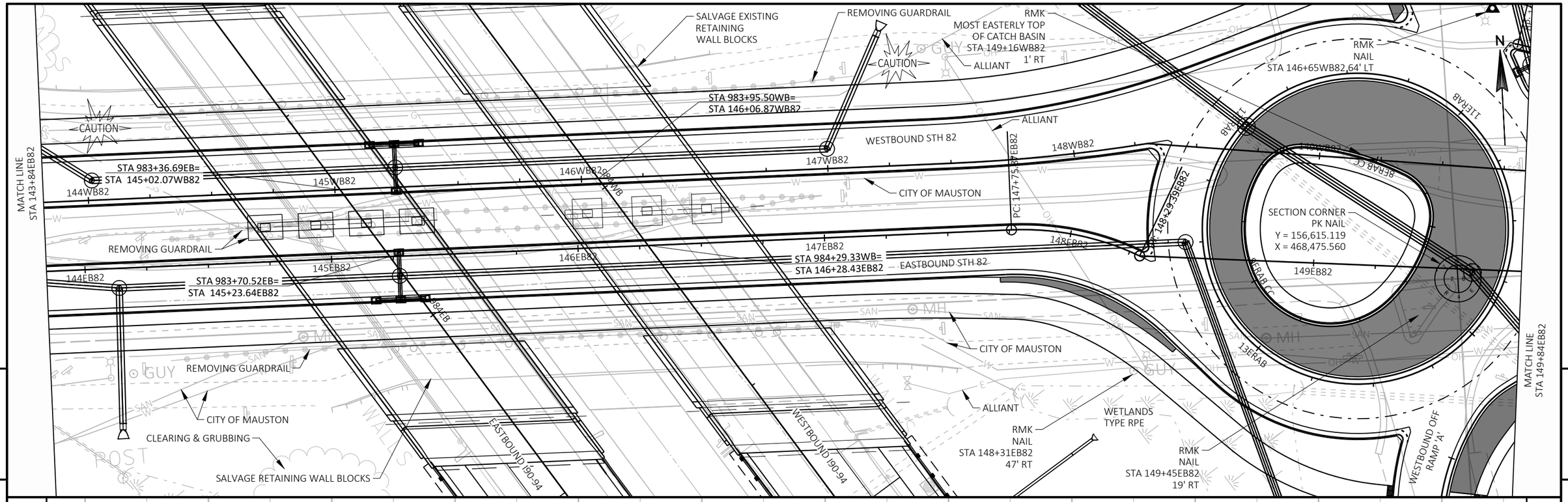
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050125_pp
PLOT DATE : 11/17/2021 2:52 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

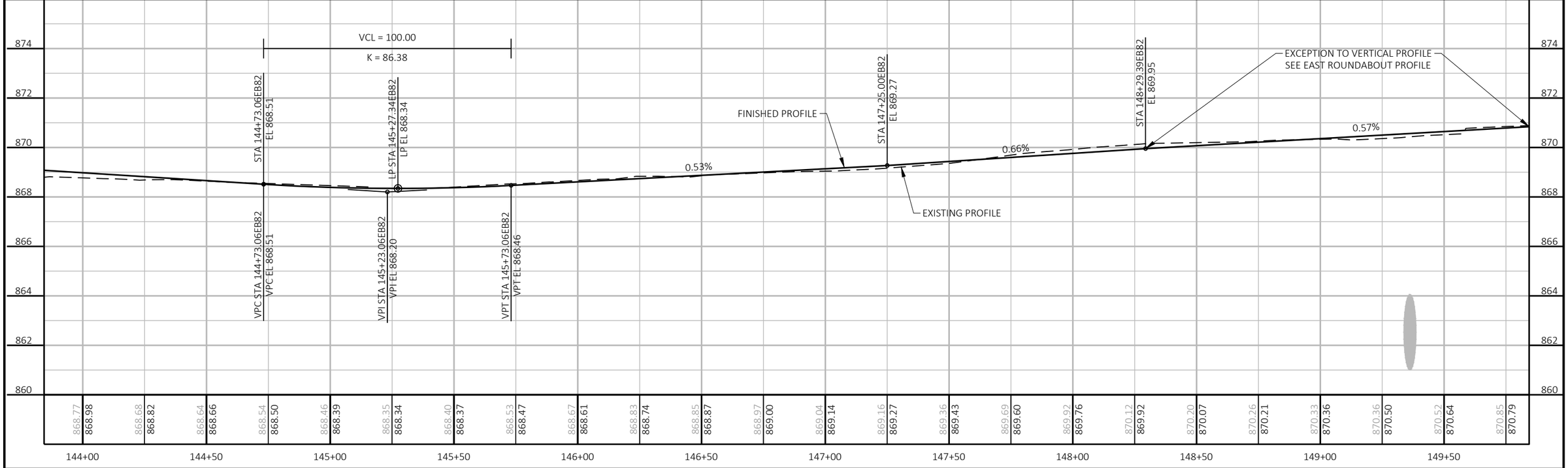




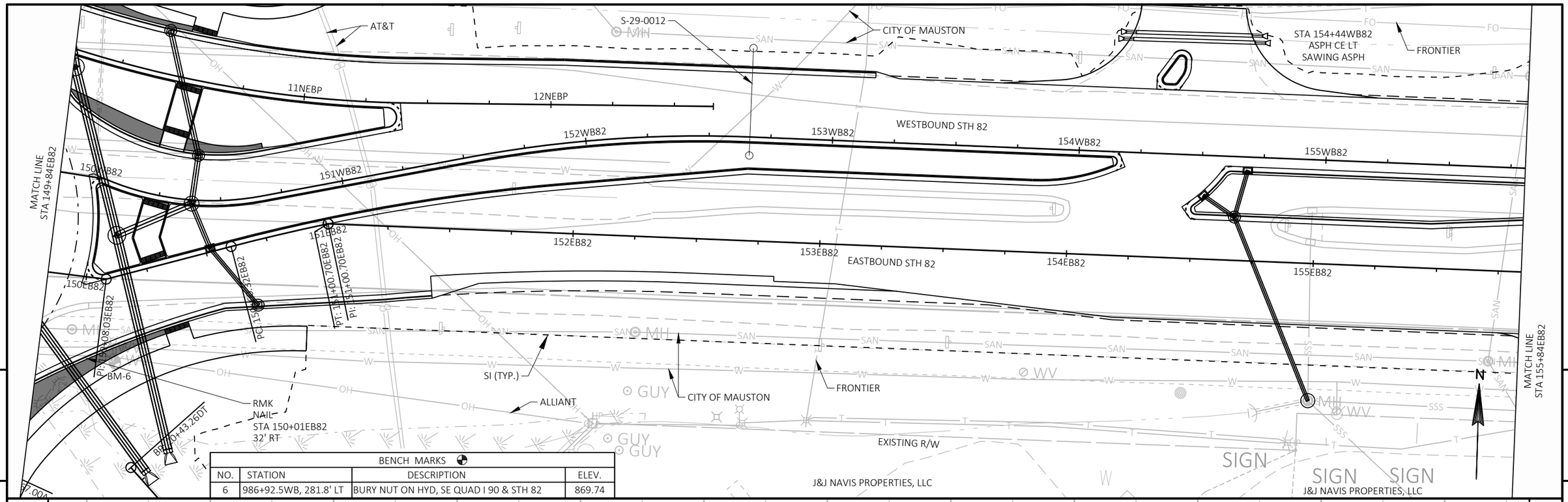
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB STH 82 'EB82'	SHEET 537	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050126_pp
PLOT DATE : 11/17/2021 2:53 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

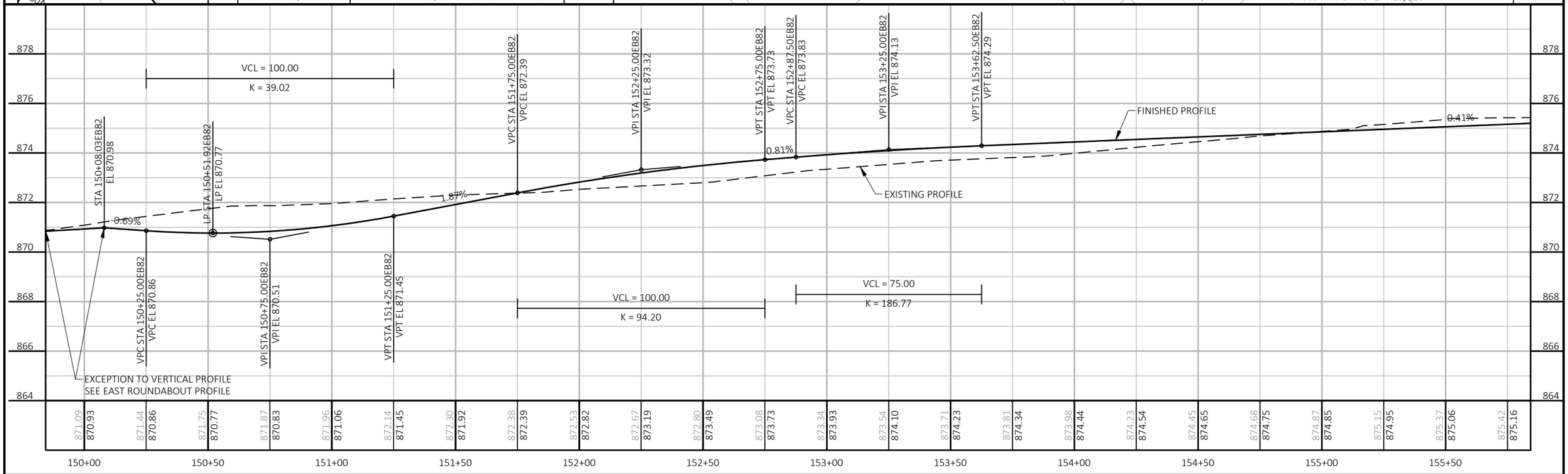




PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB STH 82 'EB82'	SHEET 538	E



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
6	986+92.5WB, 281.8' LT	BURY NUT ON HYD, SE QUAD I 90 & STH 82	869.74

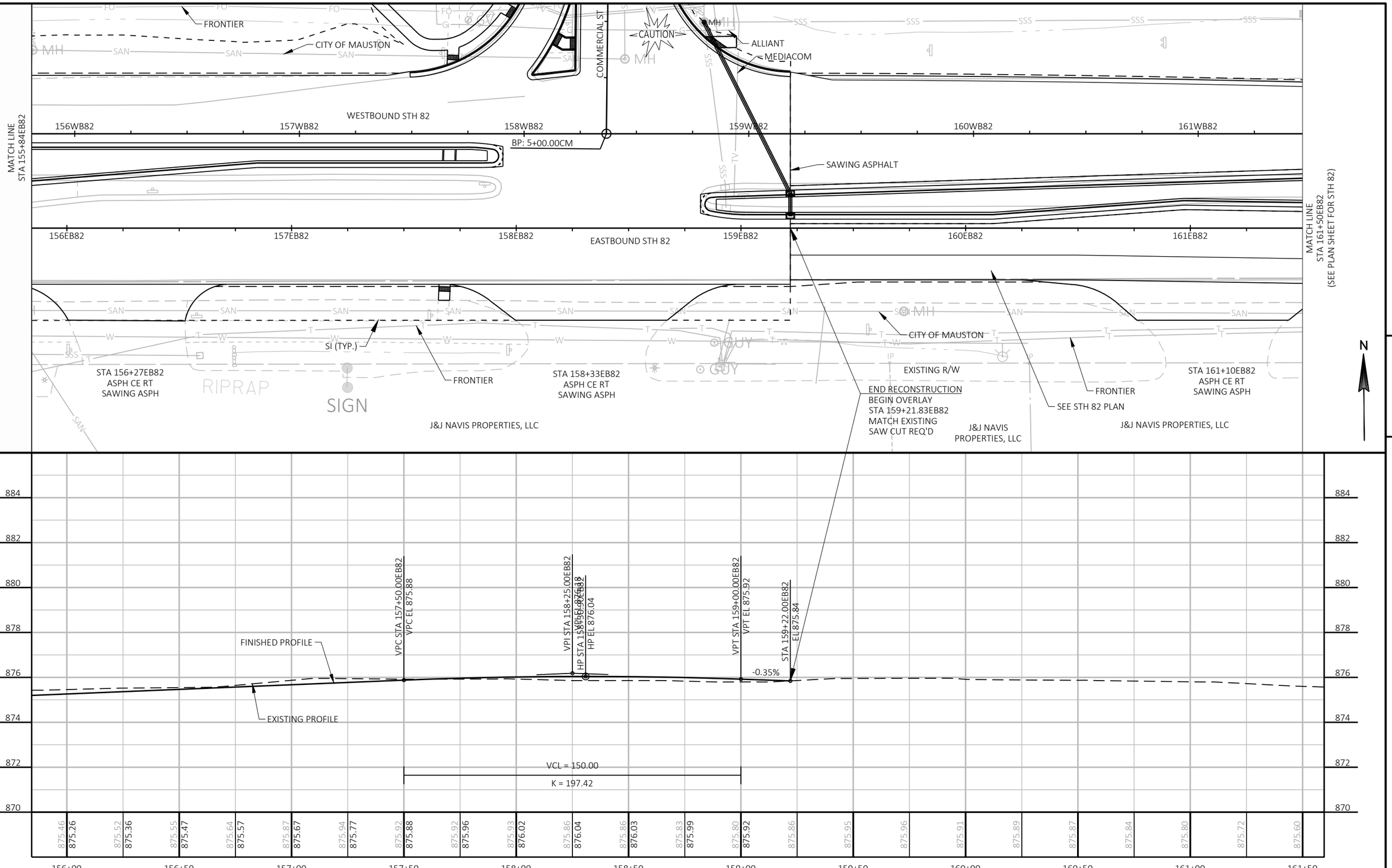


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PLOTTING: EB STH 82 'EB82'	SHEET 539	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050128_pp

PLOT DATE : 11/17/2021 2:54 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

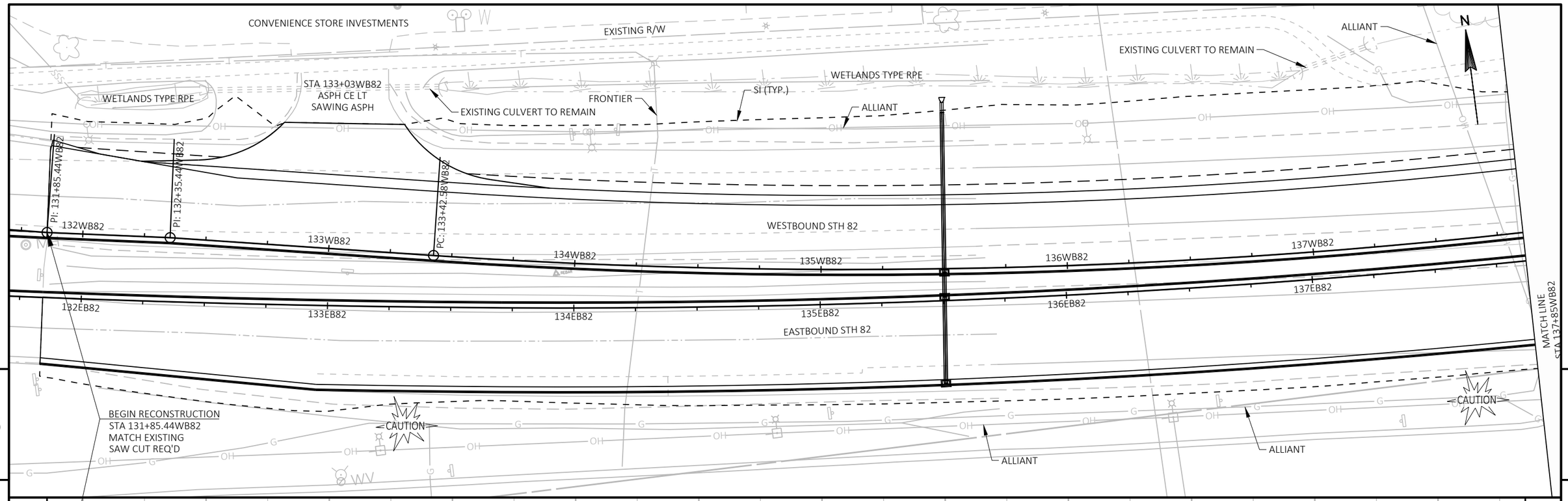
WISDOT/CADDS SHEET 44



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB STH 82 'EB82'	SHEET 540	E

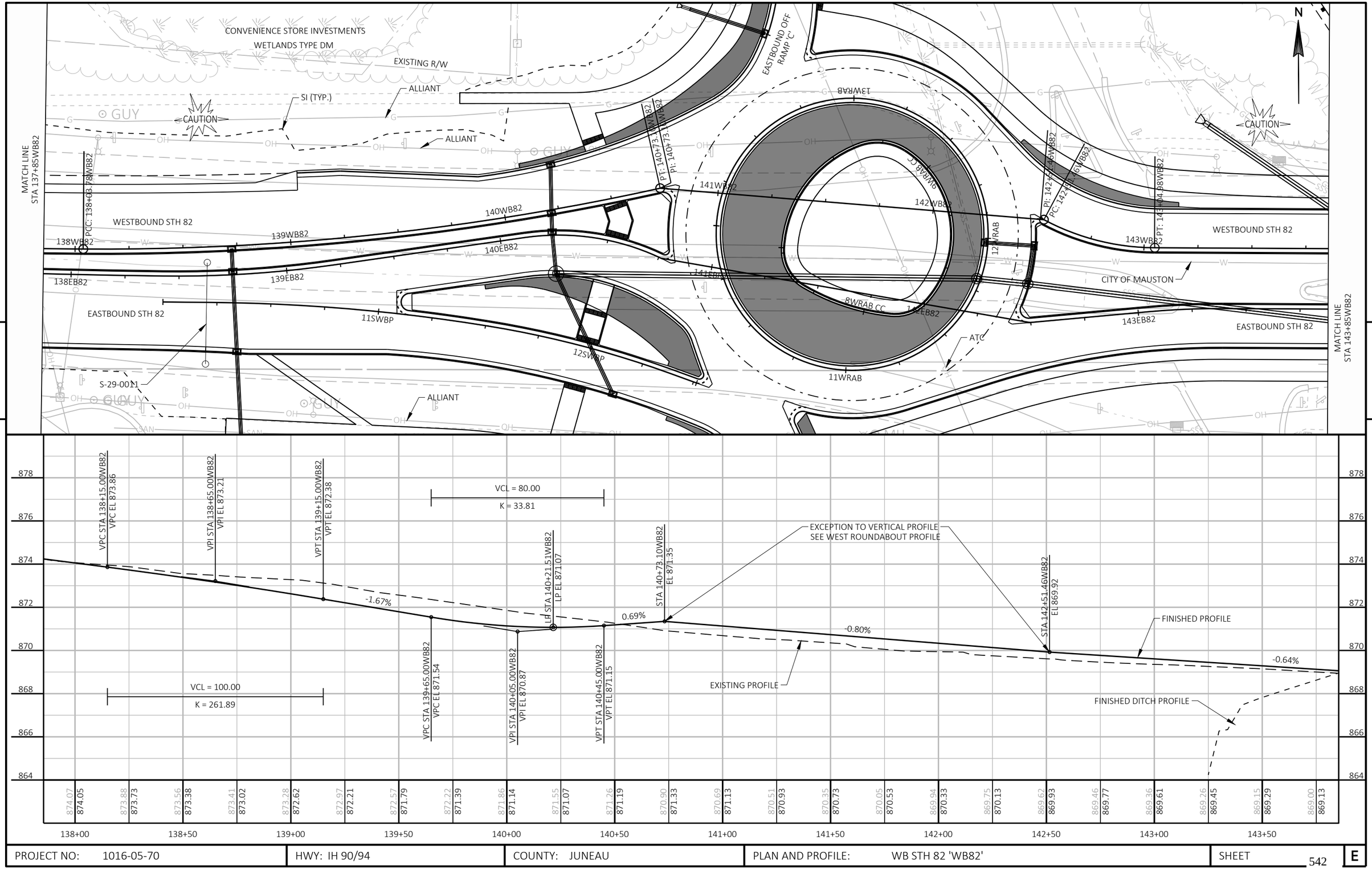
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050129_pp

PLOT DATE : 11/17/2021 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB STH 82 'WB82'	SHEET 541	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050130_pp
PLOT DATE : 11/17/2021 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

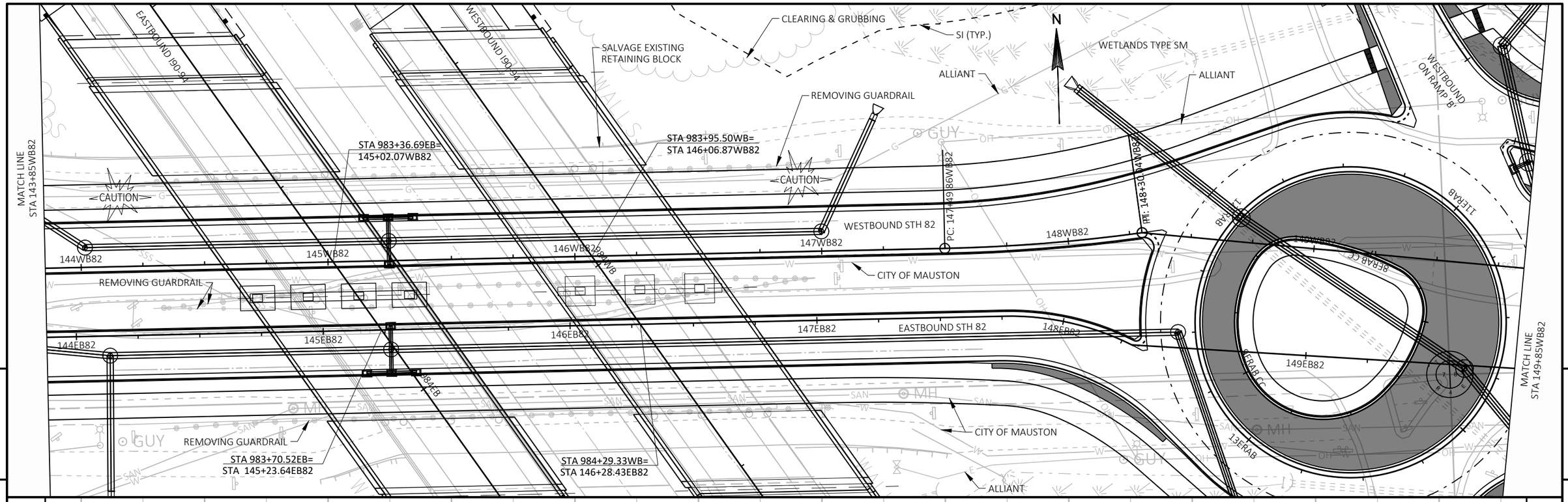


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB STH 82 'WB82'	SHEET 542	E

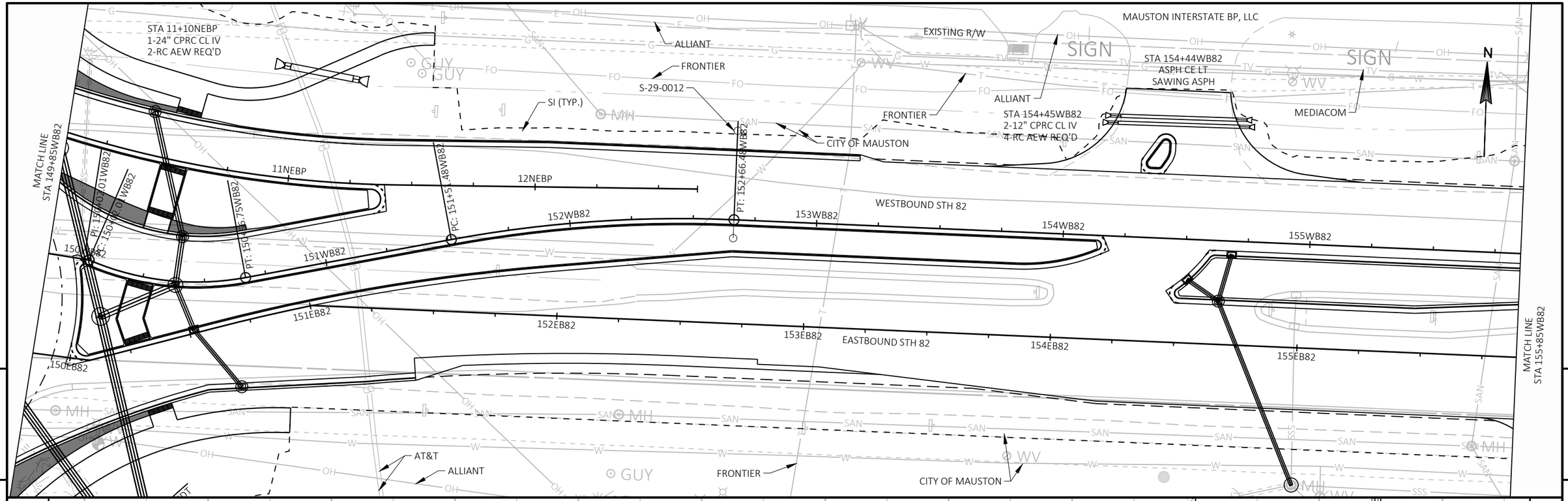
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LAYOUT NAME - 050131_pp

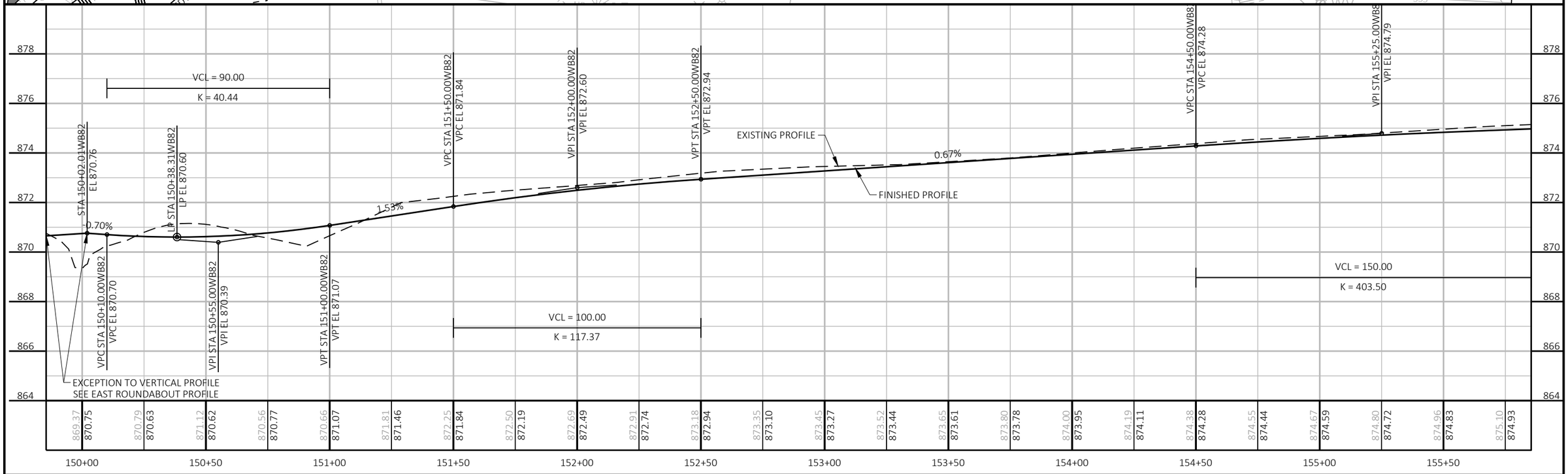
PLOT DATE : 11/17/2021 2:56 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

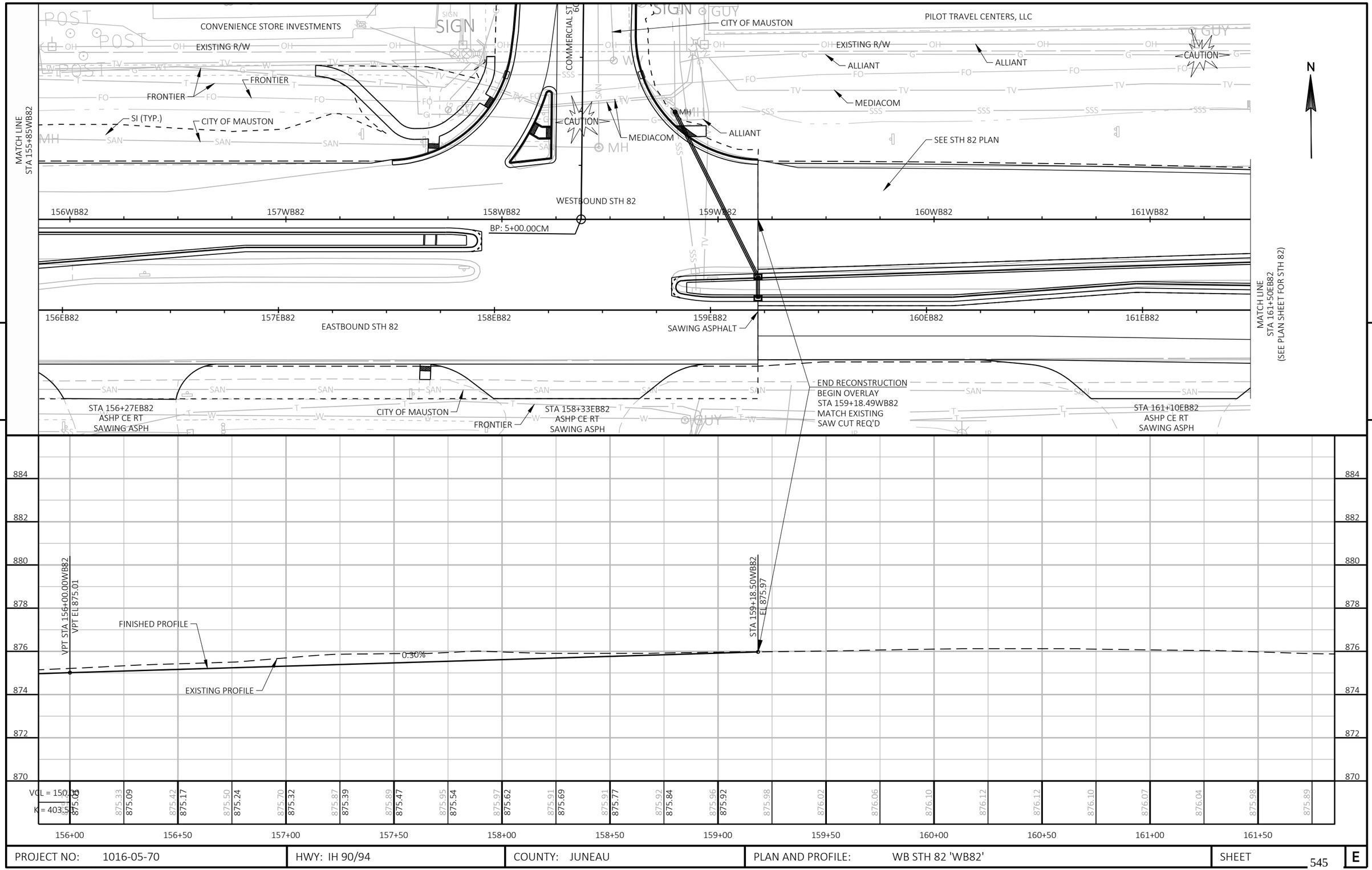


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB STH 82 'WB82'	SHEET 543	E





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB STH 82 'WB82'	SHEET 544	E



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB STH 82 'WB82'	SHEET 545 E

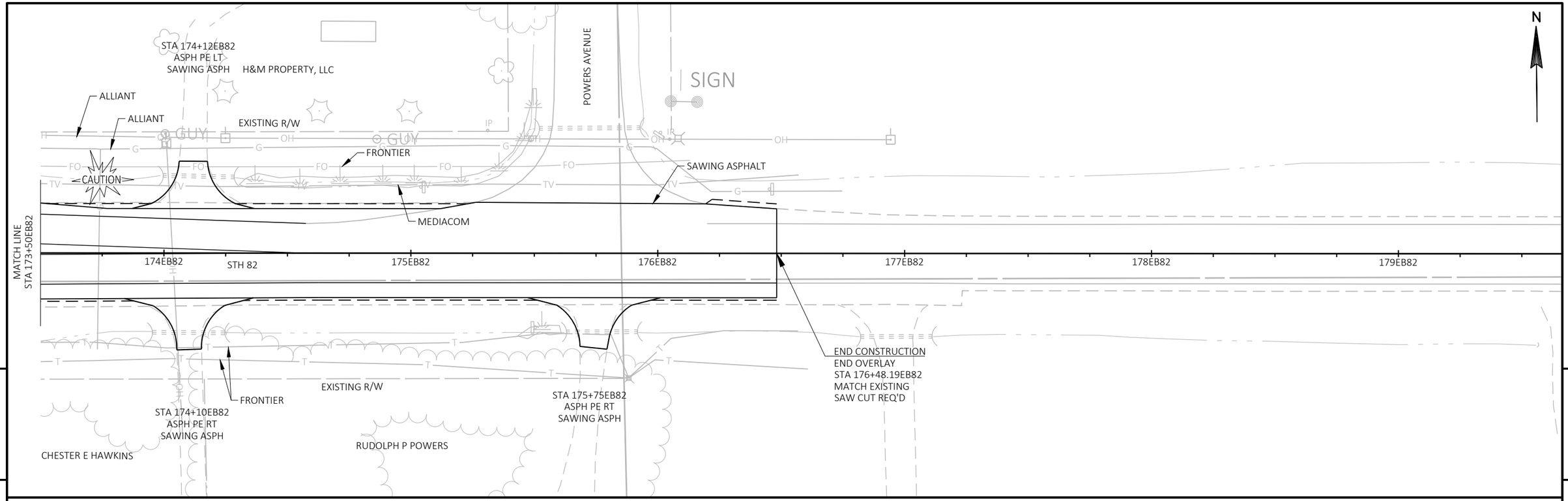
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050150_pp
PLOT DATE : 11/17/2021 2:58 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

PILOT TRAVEL CENTERS, LLC
SIGN
PILOT DELAWARE, LLC
ALLIANT
ALLIANT
RBJ LOGISTICS, LLC
CAUTION
EXISTING R/W
FRONTIER
MEDIACOM
STA 162+63WB82
ASPH CE LT
SAWING ASPH
PI: 163+54.08WB82
PC: 164+92.99WB82
SAWING ASPHALT
PT: 166+77.24WB82
162WB82
163WB82
164WB82
165WB82
166WB82
167WB82
WESTBOUND STH 82
PI: 163+76.98EB82
MATCH LINE
STA 161+50EB82
162EB82
163EB82
164EB82
165EB82
166EB82
167EB82
EASTBOUND STH 82
SAWING ASPHALT
MATCH LINE
STA 167+50EB82
AREA PAVED IN 2019
(TO REMAIN)
FRONTIER
EXISTING R/W
J&J NAVIS PROPERTIES, LLC
J&J NAVIS PROPERTIES, LLC
RUDOLPH P POWERS
RUDOLPH P POWERS
5
5
N

RBJ LOGISTICS, LLC
LODGE LANE
AREA PAVED IN 2019
(TO REMAIN)
RBJ LOGISTICS, LLC
EXISTING R/W
FRONTIER
CAUTION
ALLIANT
ALLIANT
STA 172+55EB82
BAD PE LT
H&M PROPERTY
MANAGEMENT, LLC
SAWING ASPHALT
168WB82
PI: 168+02.75EB82
PI: 169+93.04EB82
169WB82
170WB82
PT: 170+74.06WB82
MEDIACOM
SAWING ASPHALT
MATCH LINE
STA 167+50EB82
168EB82
169EB82
170EB82
STH 82
171EB82
172EB82
173EB82
SAWING ASPHALT
MATCH LINE
STA 173+50EB82
FRONTIER
STA 168+32EB82
BAD PE RT
STA 170+58EB82
ASPH PE RT
SAWING ASPH
EXISTING R/W
RUDOLPH P POWERS
PHILLIP M CLARK
REVOCABLE TRUST
CHESTER E HAWKINS
N

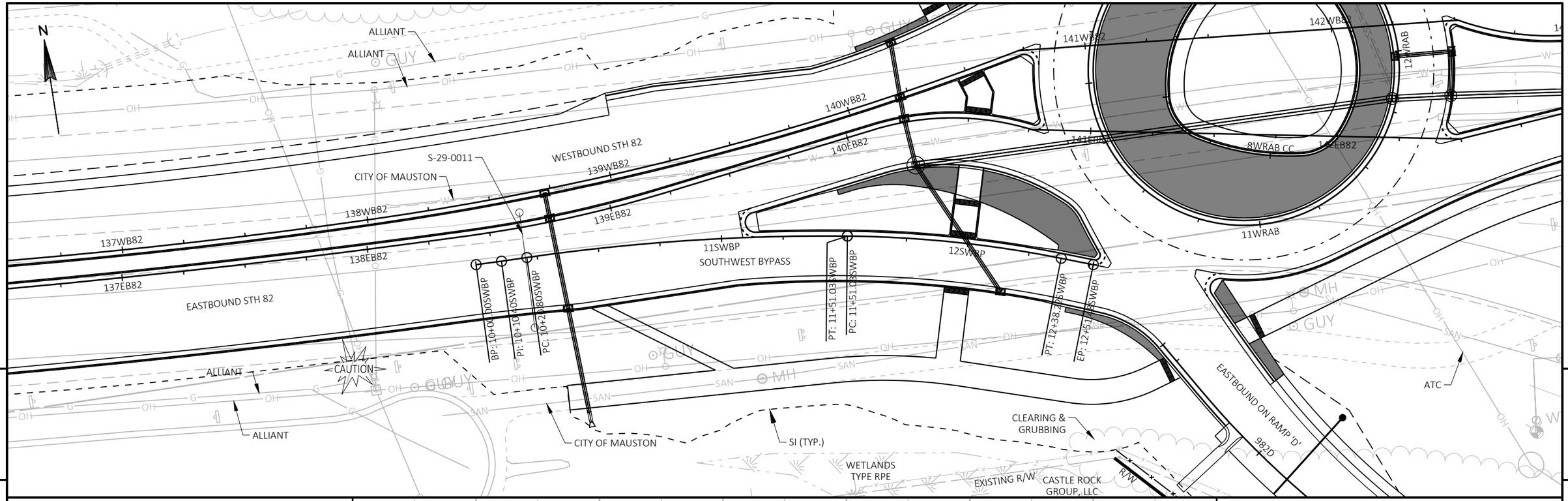
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN STH 82 'EB82'	SHEET 546	E

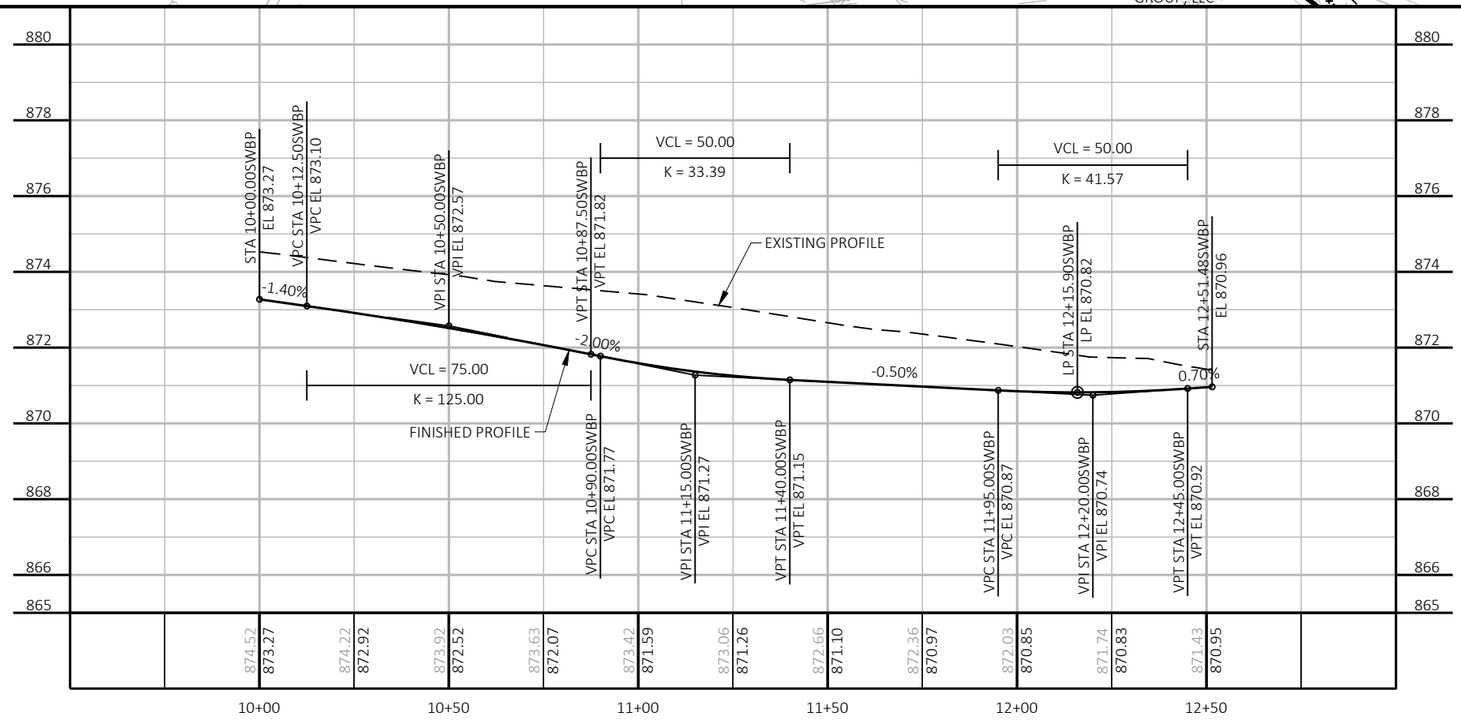
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050135_pp
PLOT DATE : 10/27/2021 7:29 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44



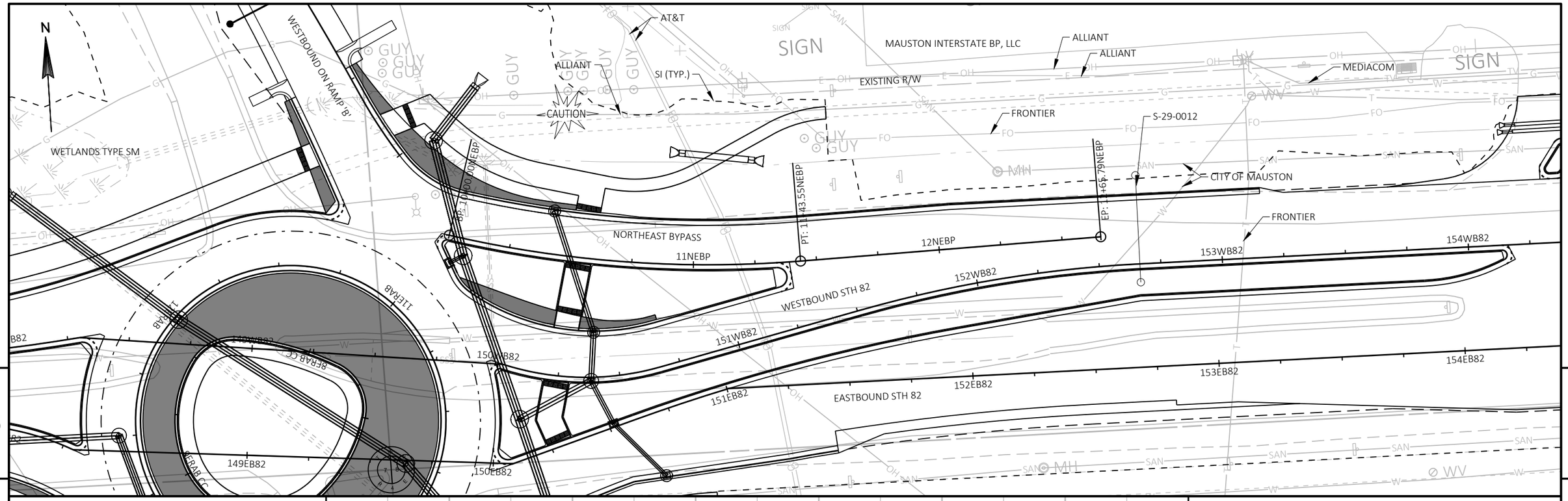
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN STH 82 'EB82'	SHEET 547	E

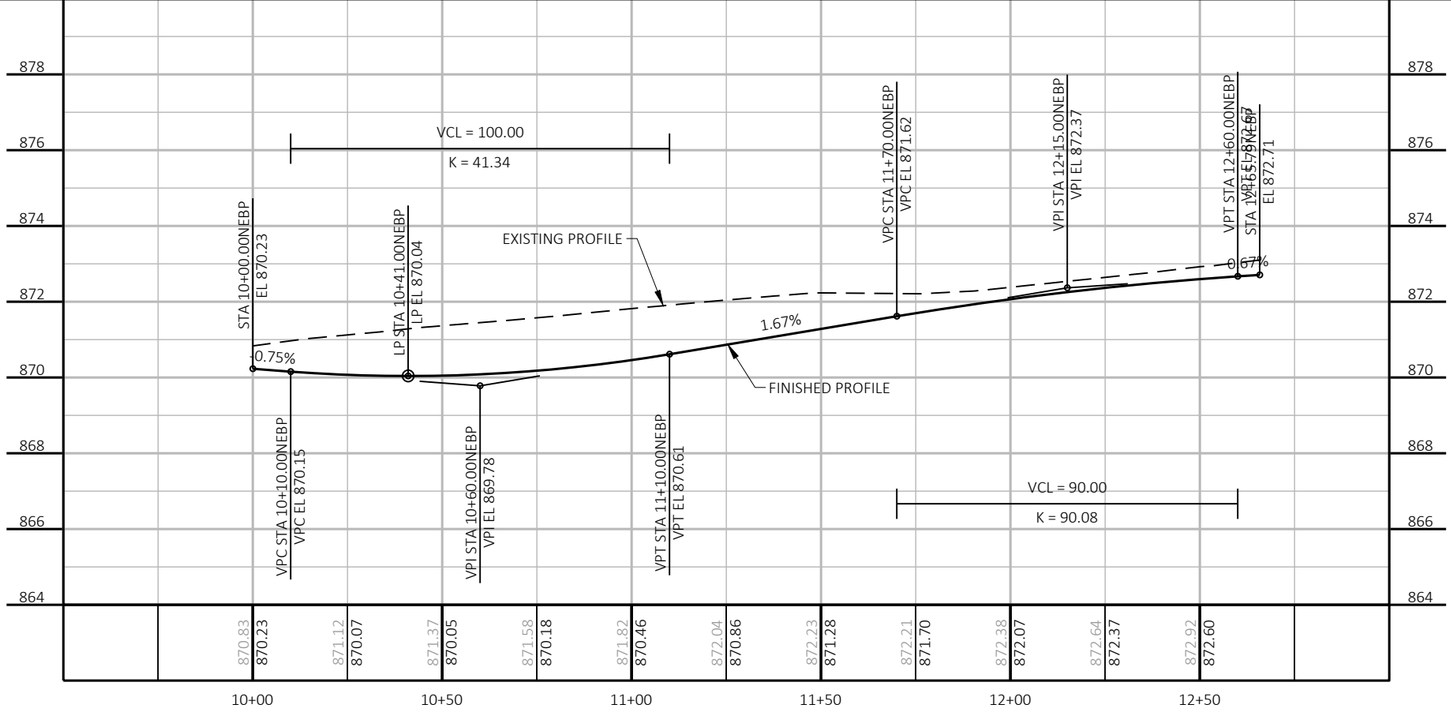
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050136_pp
PLOT DATE : 10/27/2021 7:29 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 44



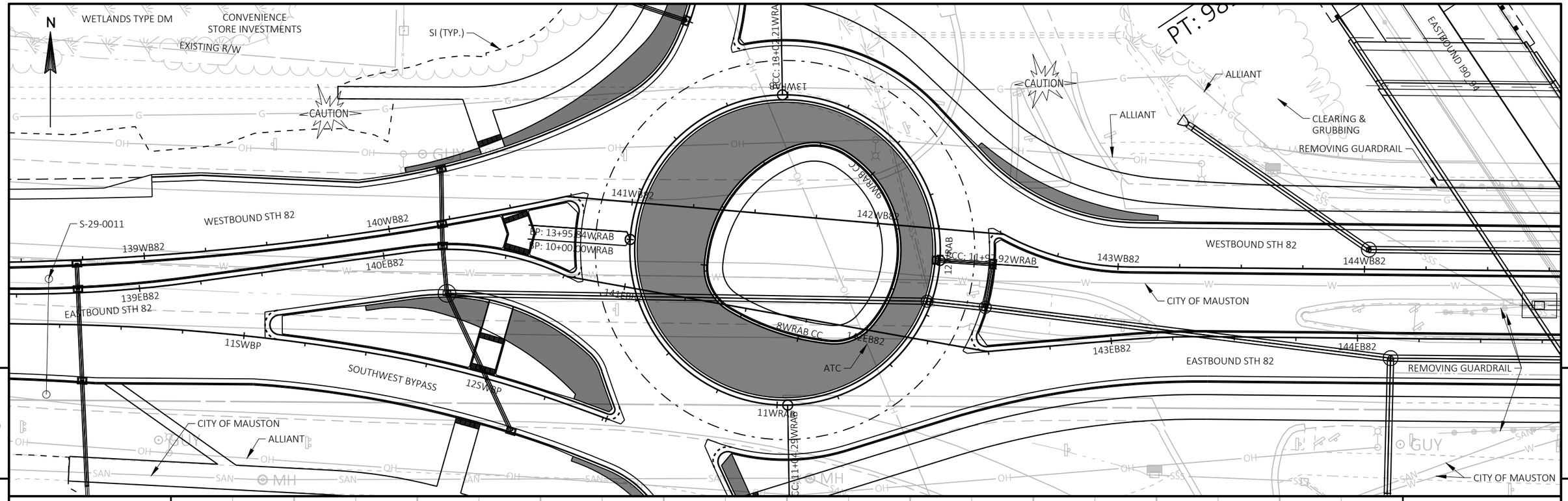


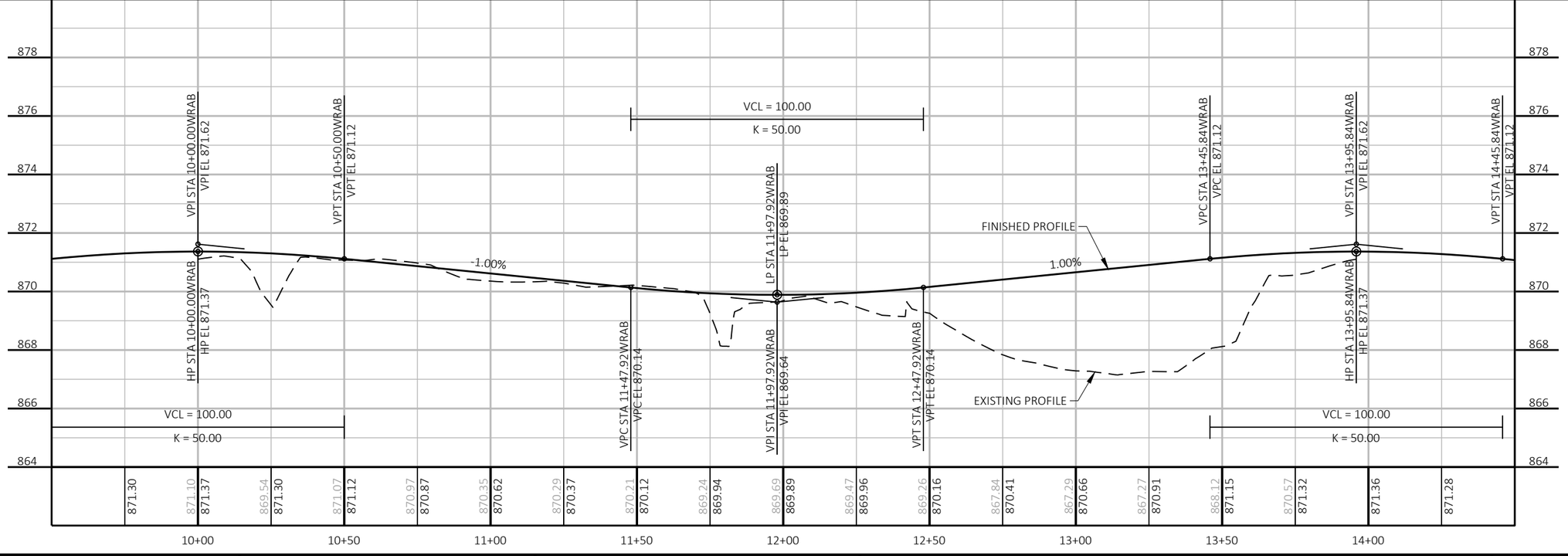
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: SOUTHWEST BYPASS LANE 'SWBP'	SHEET 548	E





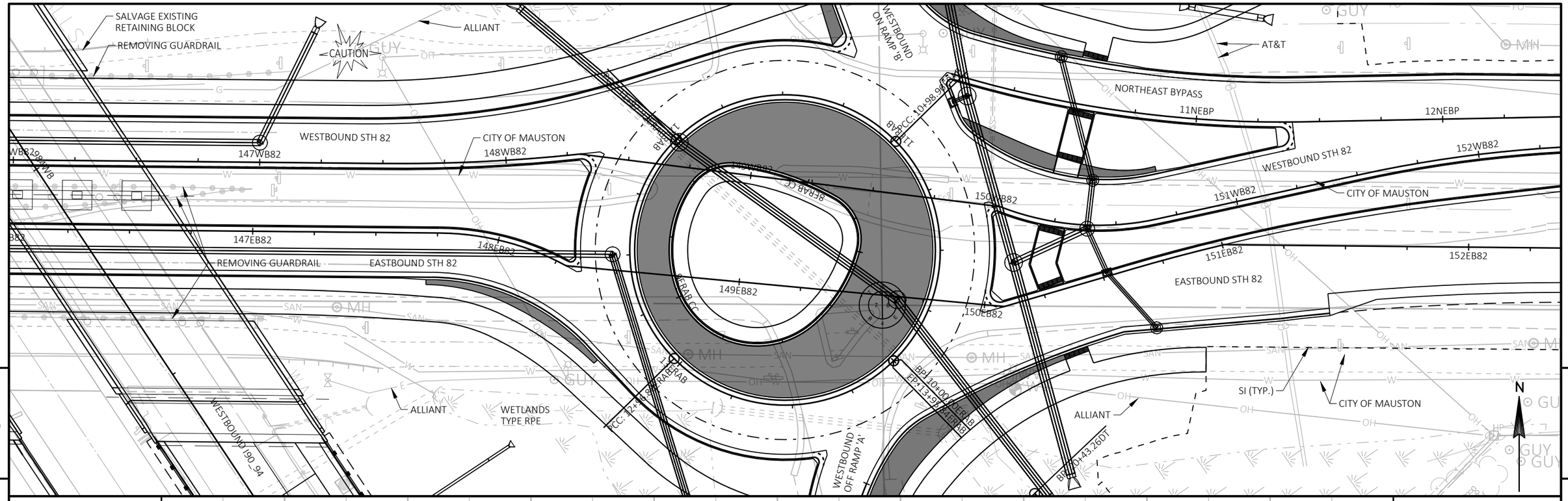
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: NORTHEAST BYPASS LANE 'NEBP'	SHEET 549	E

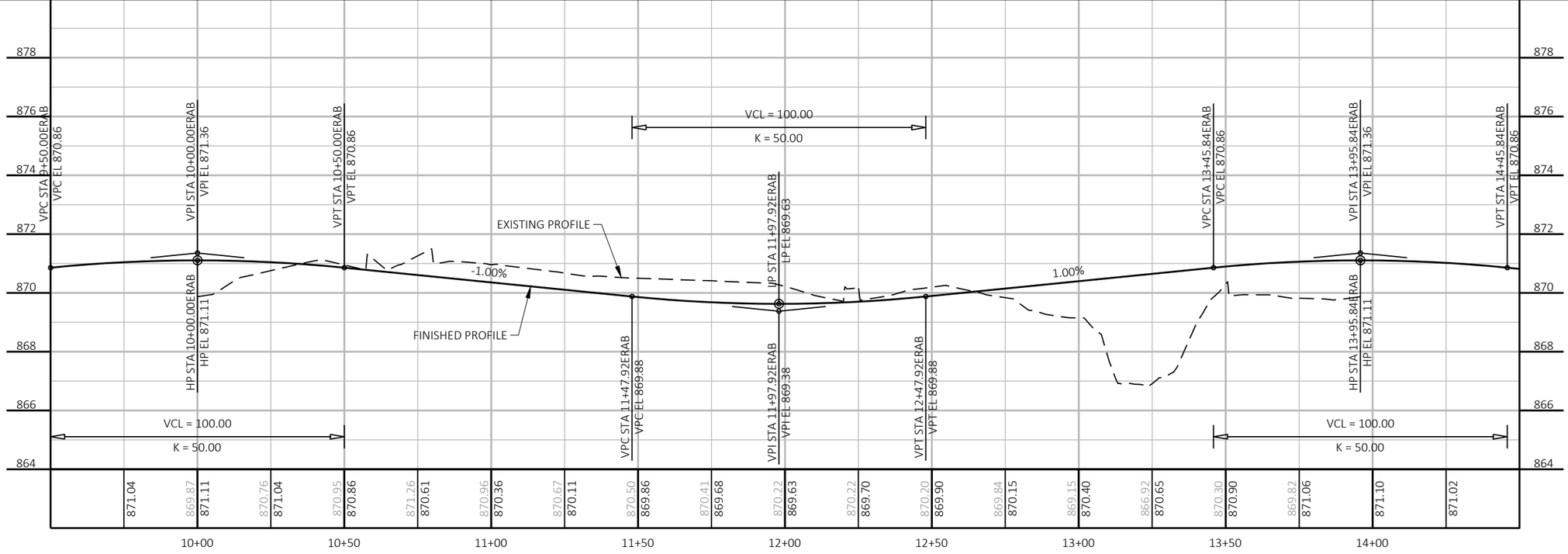




PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WEST RAB 'WRAB'	SHEET 550	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050139_pp
PLOT DATE : 11/17/2021 3:01 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



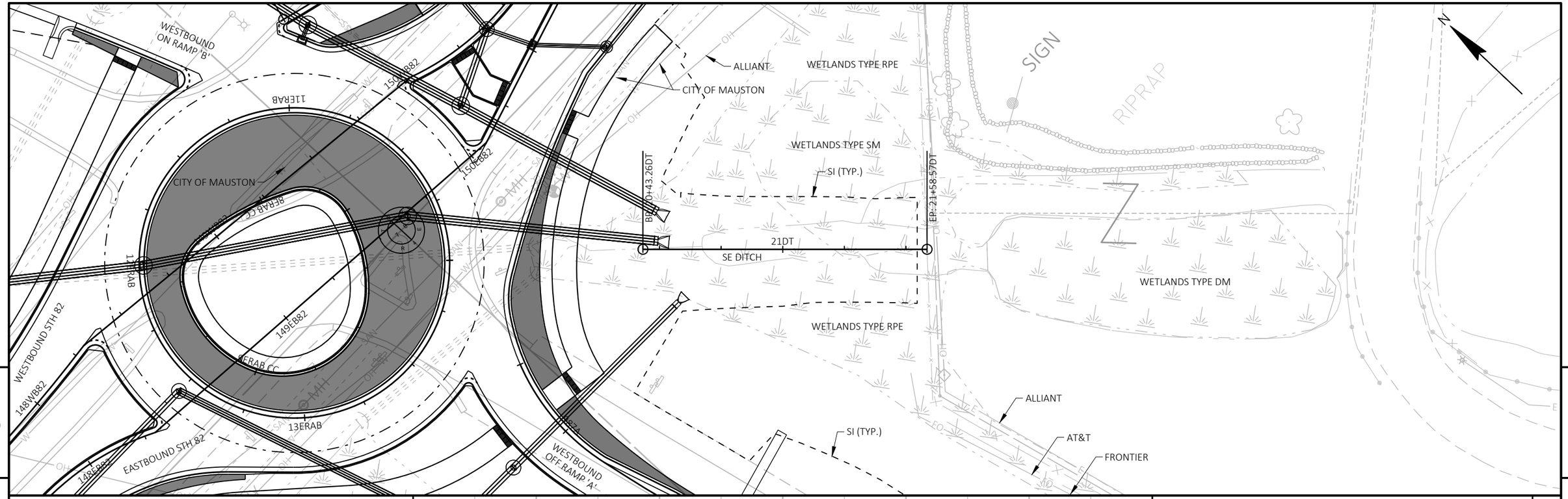


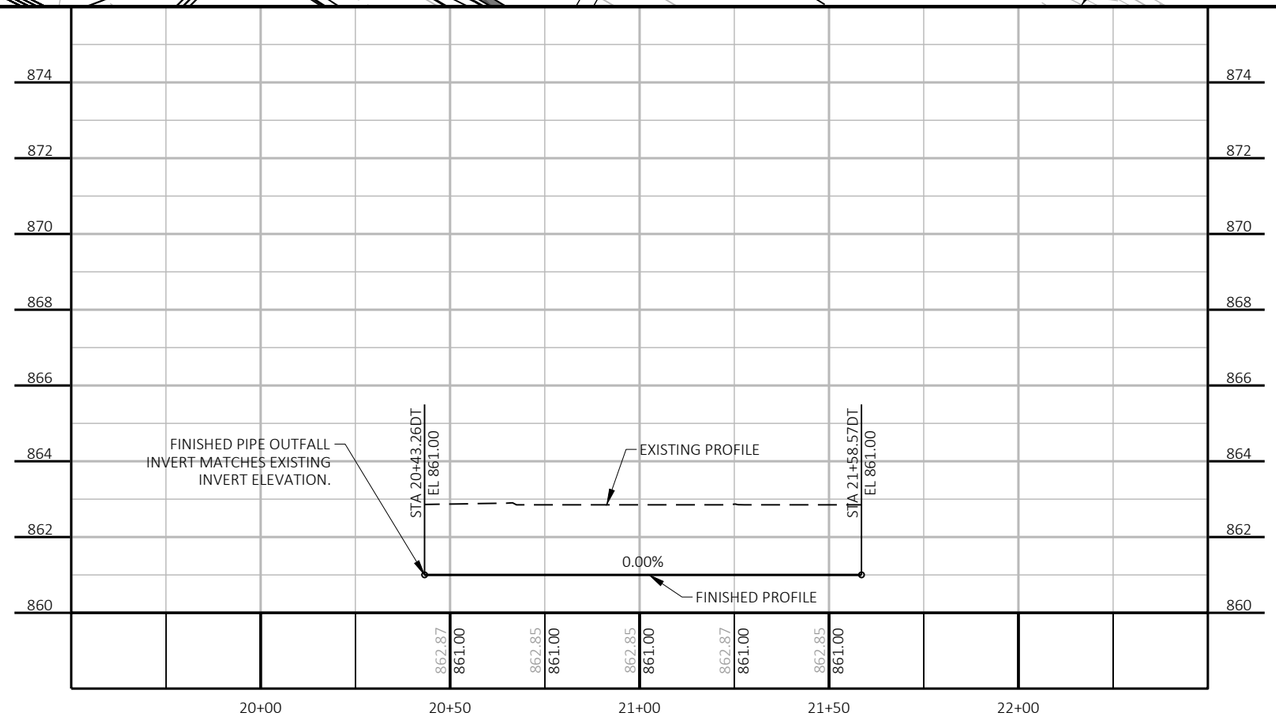
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EAST RAB 'ERAB'	SHEET 551	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050140_pp

PLOT DATE : 12/16/2021 1:34 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

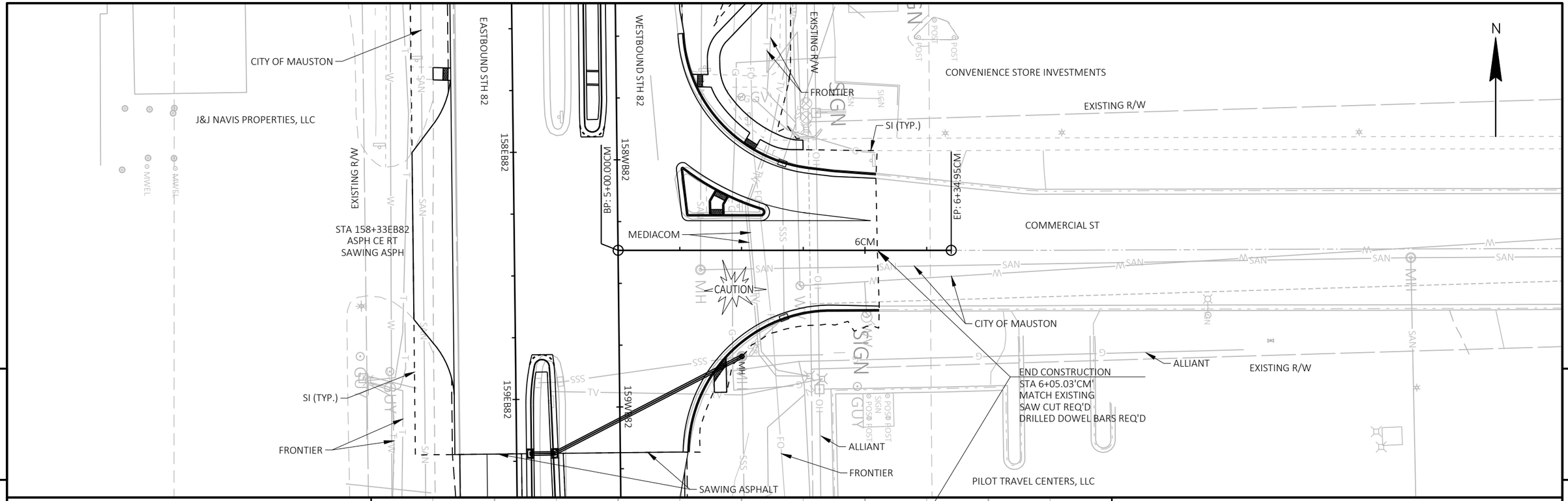




PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: SE DITCH 'DT'	SHEET 552	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050141-pp

PLOT DATE : 10/27/2021 7:34 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

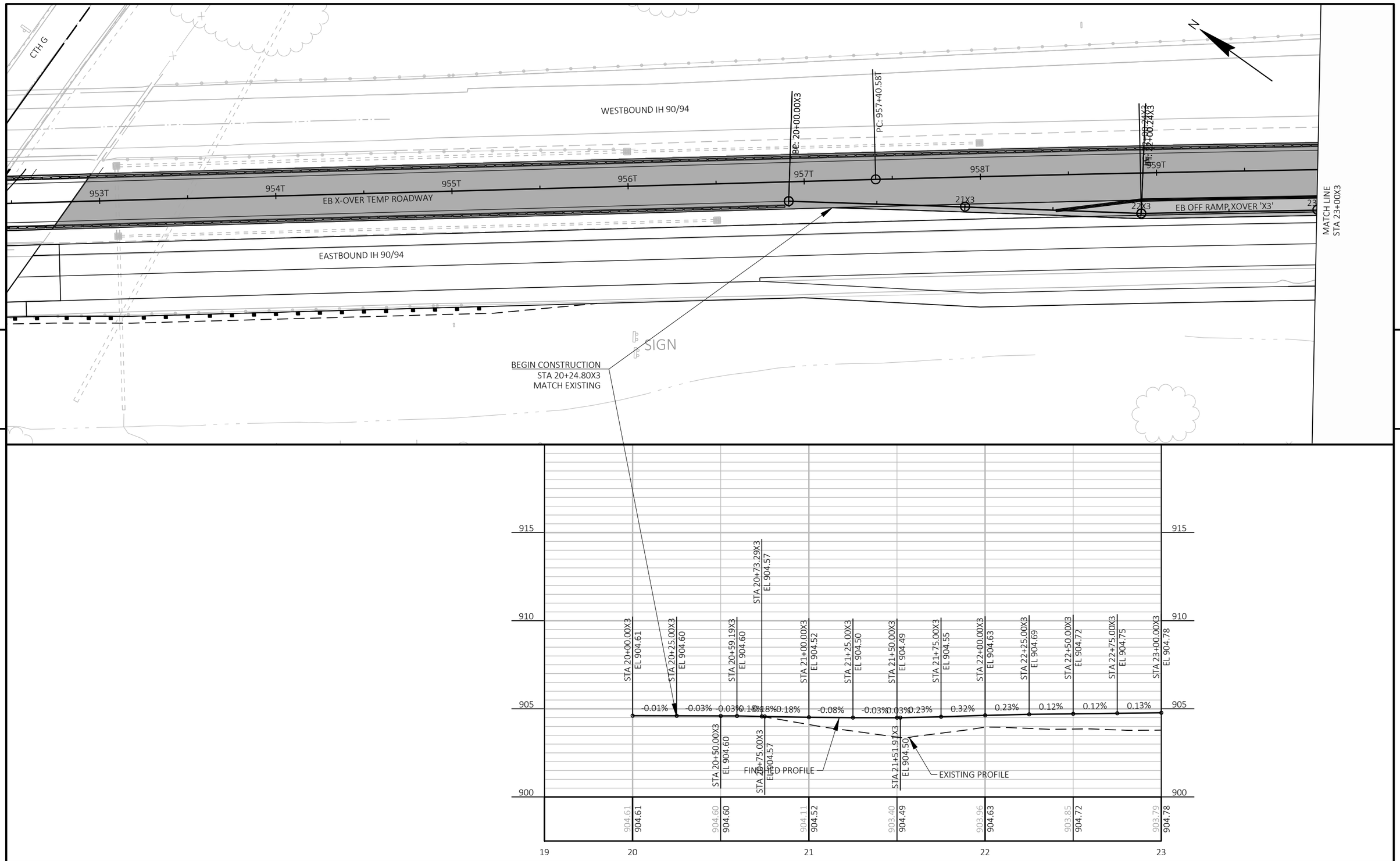


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: COMMERICAL ST 'CM'	SHEET 553	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050101_PP.DWG
LAYOUT NAME - 050181-pp

PLOT DATE : 11/17/2021 3:03 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

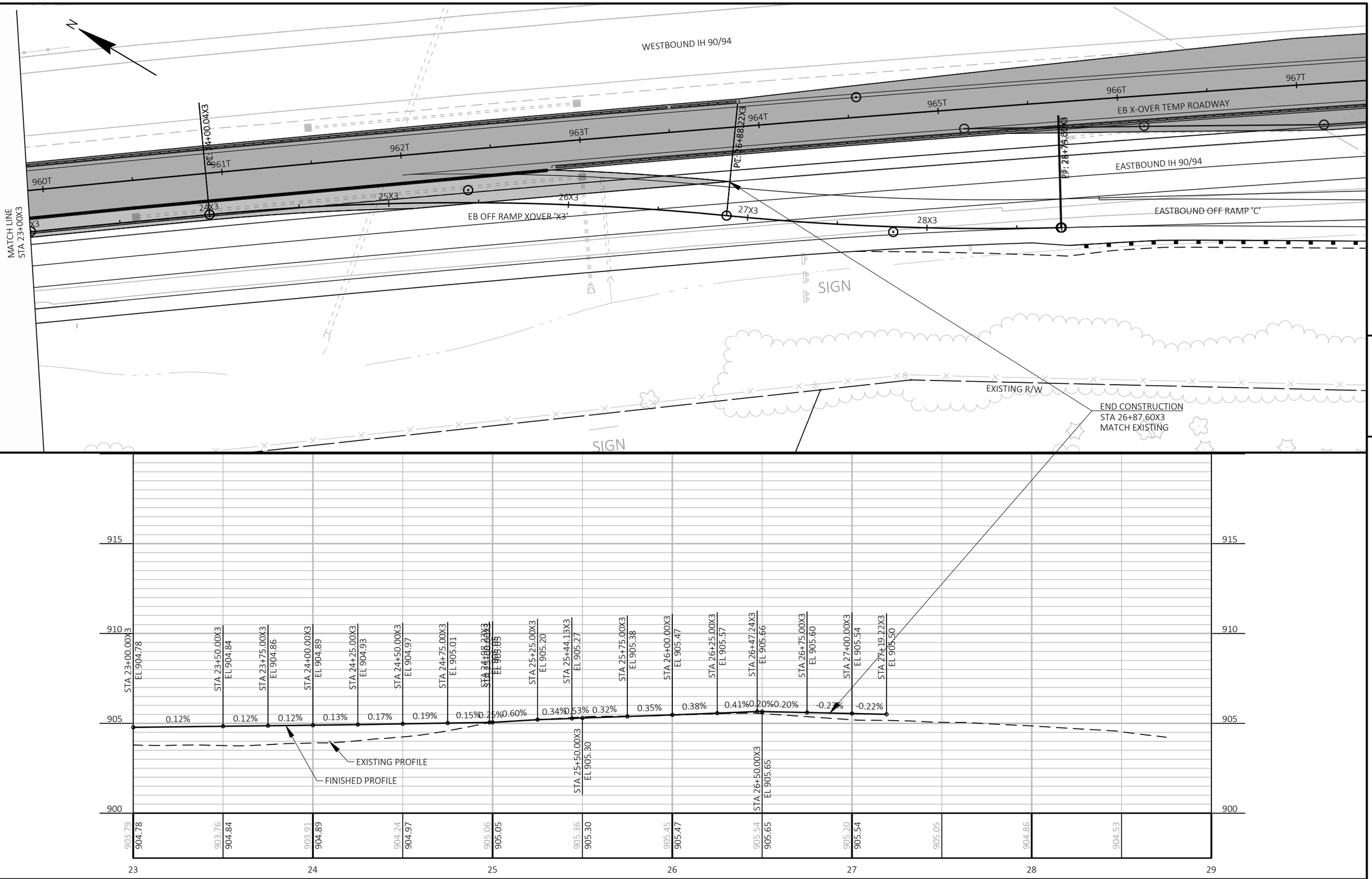
WISDOT/CADDS SHEET 44



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB OFF RAMP XOVER STAGE 2 'X3'	SHEET 554	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050103_PP EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 050142-pp

PLOT DATE : 11/17/2021 4:36 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

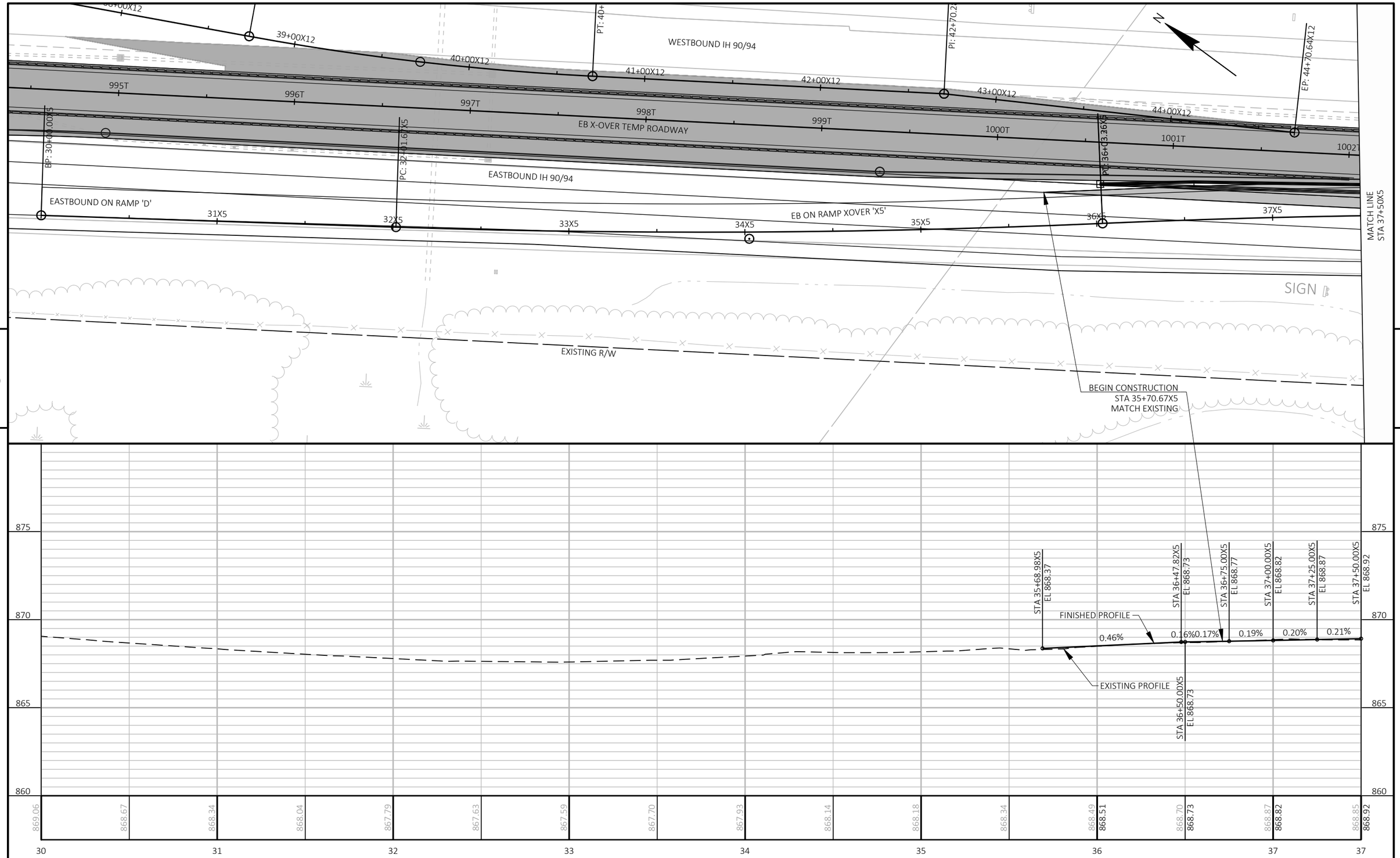


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB OFF RAMP XOVER STAGE 2 'X3'	SHEET 555	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050103_PP EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 050143-pp

PLOT DATE : 11/17/2021 4:36 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

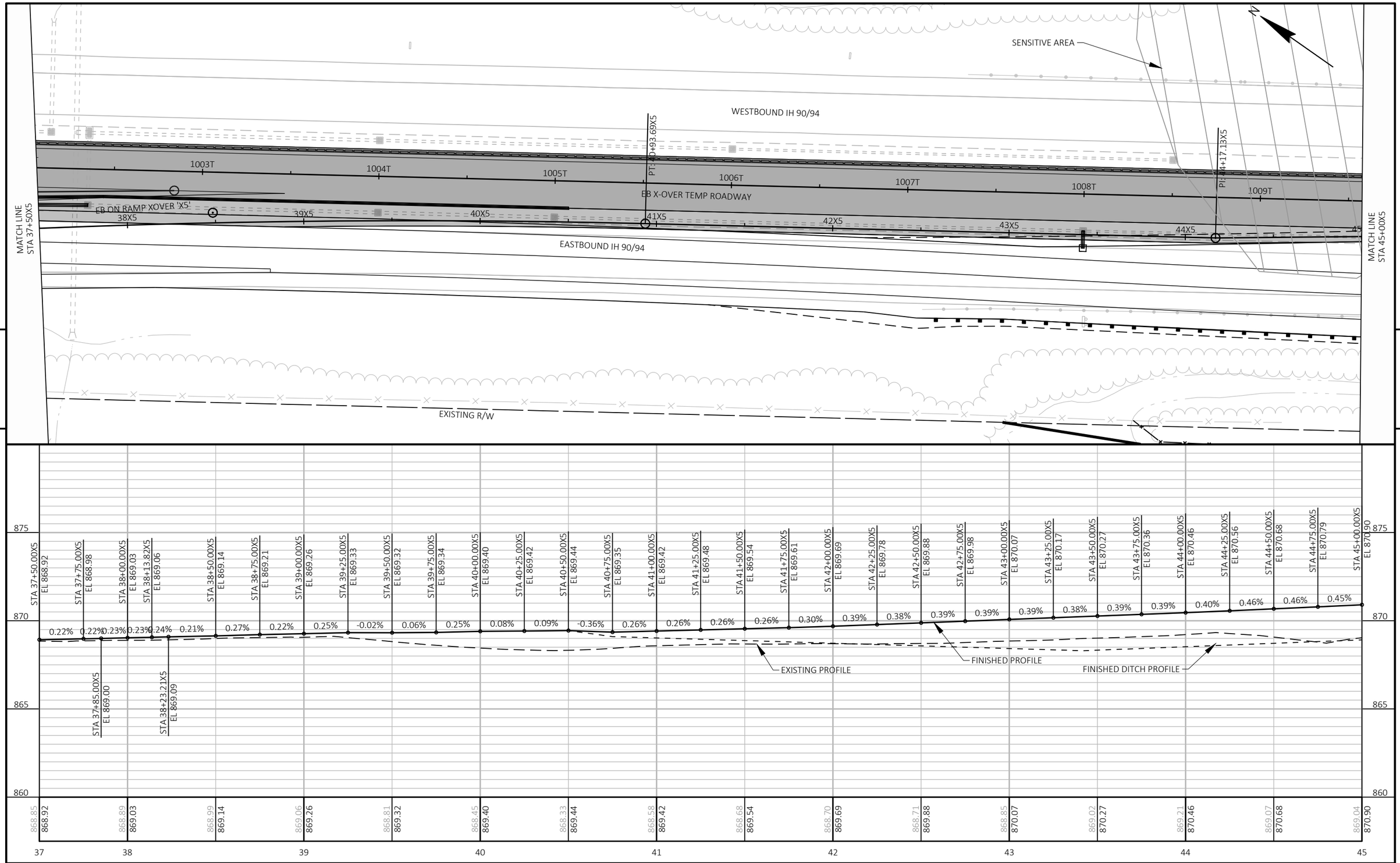
WISDOT/CADDS SHEET 44



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB ON RAMP XOVER STAGE 2 'X5'	SHEET 556	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050103_PP EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 050145-pp

PLOT DATE : 11/17/2021 4:37 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

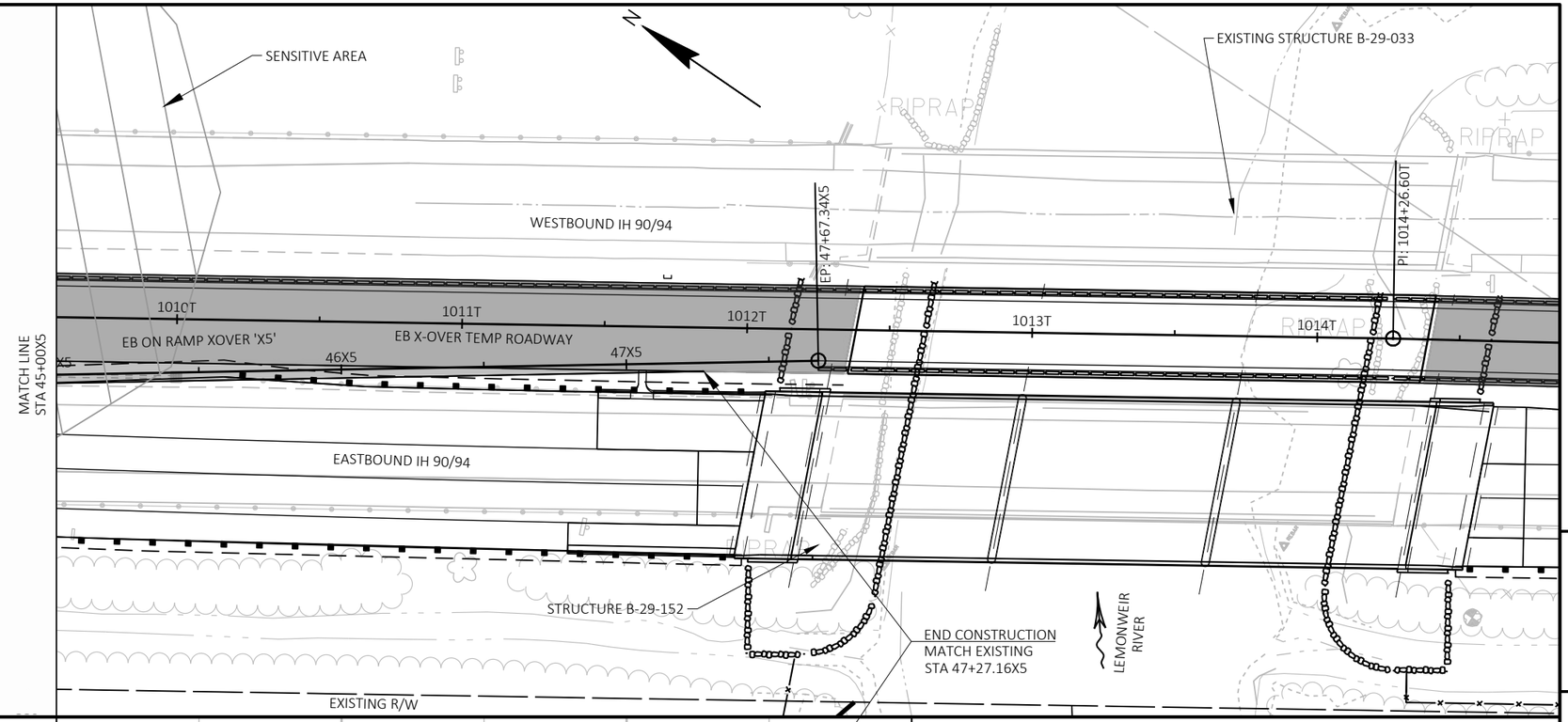


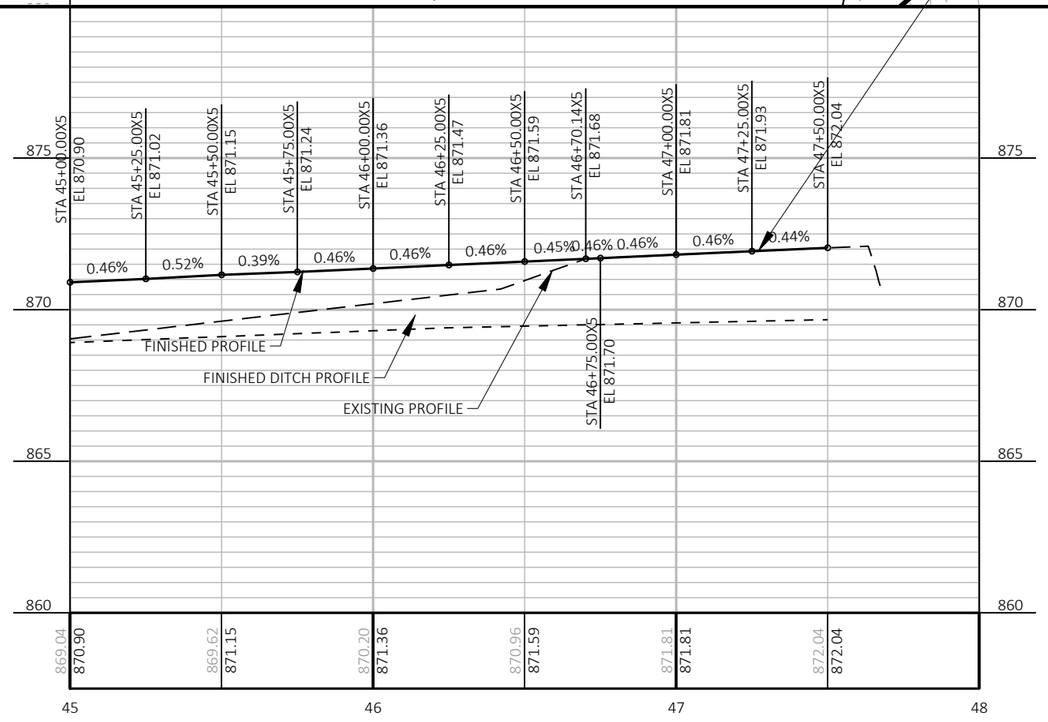
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB ON RAMP XOVER STAGE 2 'X5'	SHEET 557	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050103_PP EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 050146-pp

PLOT DATE : 11/17/2021 4:37 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB ON RAMP XOVER STAGE 2 'X5'	SHEET 558	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050103_PP EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 050147-pp

PLOT DATE : 11/17/2021 4:38 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

EXISTING EB OFF RAMP
36'X1'
BP: 21'X9' +00.00
HCC: 20'X9' +87.09
PT: 23'X9' +95.38
EP: 24'X9' +32.56
976'C'
EB OFF RAMP 'C'
977'C'
978'C'
979'C'
980'C'
EB OFF RAMP XOVER 'X9'
21'X9'
22'X9'
23'X9'
24'X9'
MATCH EXISTING PAVEMENT
SAWCUT REQ'D
BEGIN CONSTRUCTION
STA 20+00'X9'
MATCH EB OFF RAMP 'C'
MATCH PROPOSED CONCRETE
PAVEMENT
ATC
EXISTING R/W
WETLANDS TYPE RPE
SI (TYP.)
TEMPORARY PIPE
CONNECTON
END CONSTRUCTION
STA 24+01.82'X9'
MATCH EXISTING
ALLIANT (OVERHEAD)
ALLIANT (GAS)
CAUTION
EXISTING WB STH 82
N
5
5

STA 20+00.00 'X9' EL 883.21
STA 20+25.00 'X9' EL 884.13
STA 20+50.00 'X9' EL 883.06
STA 20+75.00 'X9' EL 882.02
STA 21+00.00 'X9' EL 881.00
STA 21+25.00 'X9' EL 879.99
STA 21+45.23 'X9' EL 879.19
STA 21+63.11 'X9' EL 878.49
-4.35%
-4.27%
-4.17%
-4.08%
-4.02%
-3.97%
-3.92%
-4.00%
-2.83%
-2.29%
-2.02%
-2.69%
VCL = 75.00
K = 64.33
FINISHED PROFILE
EXISTING PROFILE
FINISHED DITCH PROFILE RT
VPC STA 22+62.50 'X9' VPC EL 874.51
VPI STA 23+00.00 'X9' VPI EL 873.01
VPT STA 23+37.50 'X9' VPT EL 871.95
STA 23+50.00 'X9' EL 871.59
STA 23+75.00 'X9' EL 871.02
STA 24+00.00 'X9' EL 870.51
STA 24+25.00 'X9' EL 869.84
STA 24+32.56 'X9' EL 869.75
STA 24+30.19 'X9' EL 869.84

890 885 880 875 870 865 860

| | | |

STA 986+09D
1-TEMPORARY 18" CPCS
2-AEW'S FOR CP SLOPED SIDE 6
TO 1 REQ'D

EXISTING EB STH 82

ALLIANT (OVERHEAD)

CITY OF MAUSTON (WATER)

MATCH EXISTING PAVEMENT
SAWCUT REQ'D

BP: 32'X10'+04.04

PT: 33'X10'+01.78

PC: 32'X10'+33.78

PRC: 34'X10'+52.26

EXISTING EB ON RAMP

END CONSTRUCTION
STA 38+05.08'X10'
MATCH EXISTING

38'X10'+05.08

33'X10'

34'X10'

35'X10'

EB ON RAMP XOVER 'X10'

36'X10'

37'X10'

38'X10'

BEGIN CONSTRUCTION
STA 33+84.60'X10'
MATCH EXISTING
EB ON RAMP

SI (TYP.)

TEMPORARY PAVEMENT
CONSTRUCT IN STAGE 2B

CITY OF MAUSTON (SANITARY)

ATC

EB ON RAMP 'D'

987'D'

986'D'

985'D'

MATCH PROPOSED CONCRETE
PAVEMENT

WETLANDS RPE

R/W

VCL = 80.00
K = 21.48

VCL = 50.00
K = 49.96

VCL = 70.00
K = 29.46

VPC STA 34+30.08 'X10'
VPC EL 869.07

HP STA 34+45.70
HP EL 869.10

VPI STA 34+55.08 'X10'
VPI EL 869.15

VPT STA 34+80.08 'X10'
VPT EL 868.98

VPC STA 34+90.08 'X10'
VPC EL 868.91

LP STA 35+04.86
LP EL 868.86

VPI STA 35+30.08 'X10'
VPI EL 868.63

VPT STA 35+70.08 'X10'
VPT EL 869.85

VPC STA 36+00.08 'X10'
VPC EL 870.76

VPI STA 36+35.08 'X10'
VPI EL 871.82

VPT STA 36+70.08 'X10'
VPT EL 872.05

0.75% 0.84% 0.69% 3.04% 0.66% 0.69% 0.52% 0.52% 0.50% 0.45% 0.13% 0.43% 0.16% 0.14% 0.10% 0.06% 0.01% 0.11%

FINISHED PROFILE

FINISHED DITCH PROFILE LT

EXISTING PROFILE

870.00	869.72	869.27	869.02	868.65	868.69	868.75	868.80	868.88	868.88	868.97	869.03	868.85	869.09	867.65	869.01	866.27	868.86	865.55	868.95	865.06	869.33	864.99	870.00	864.91	870.76	865.03	871.41	865.08	871.85	864.80	872.09	864.87	872.24	865.00	872.34	865.17	872.36	864.90	872.34	865.13	872.35	872.36
32		32		33		33		34		34		35		35		36		36		37		37		38	38																			

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: EB ON RAMP XOVER STAGE 2A 'X10'	SHEET 560	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050105_PP EB RAMP XOVERS STAGE 2.DWG
LAYOUT NAME - 050148-pp

PLOT DATE : 10/27/2021 7:40 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

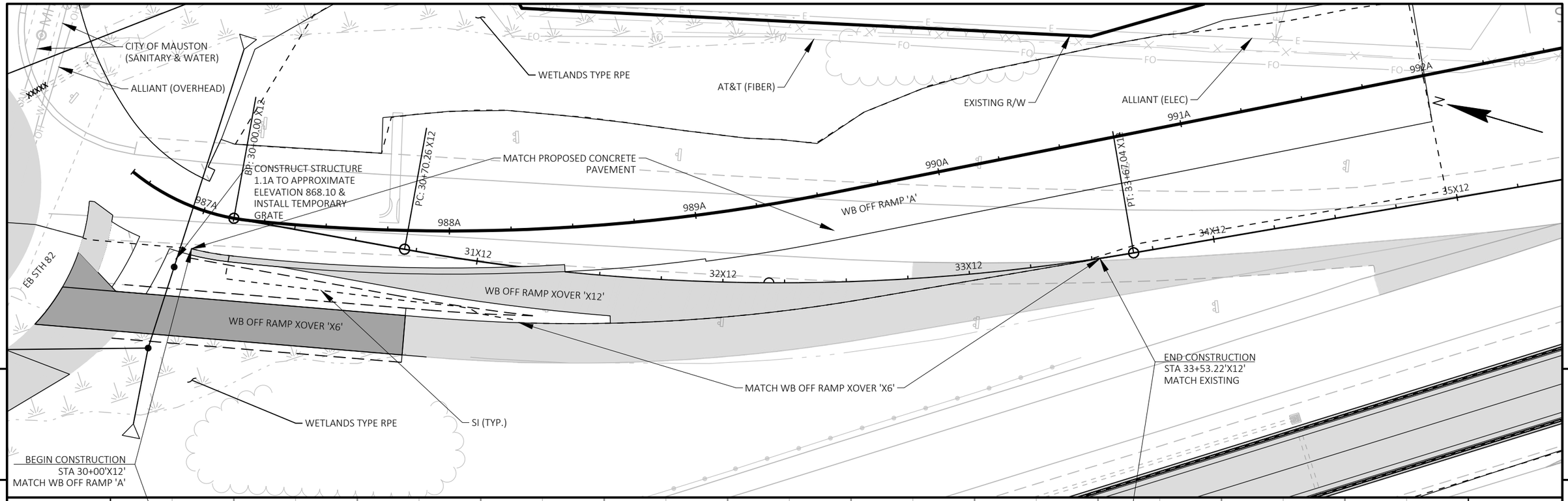
WISDOT/CADDS SHEET 44

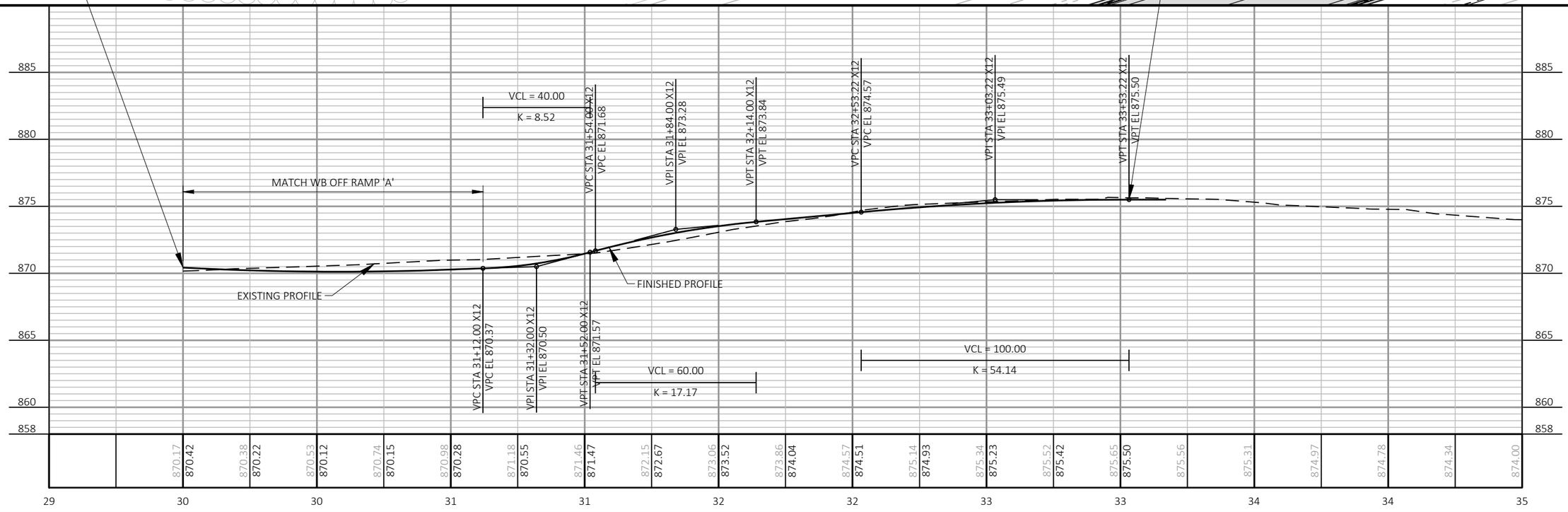
ALLIANT (OVERHEAD)
USE TEMPORARY LANE SHIFT TO CONSTRUCT PIPE 1.1A TO 1.0
AT&T (FIBER)
EXISTING R/W
ALLIANT (ELEC)
N
EXISTING EB STH 82
BP: 21+85.63 'X6'
149EB82
CITY OF MAUSTON (SANITARY & WATER)
CONSTRUCT STRUCTURE 1.1A TO APPROXIMATE ELEVATION 868.10 & INSTALL TEMPORARY GRATE
1.1A
SI (TYP.)
PC: 25+09.95 'X6'
EXISTING WB OFF RAMP
PT: 29+87.04 'X6'
23+00 'X6'
24+00 'X6'
25+00 'X6'
26+00 'X6'
27+00 'X6'
28+00 'X6'
29+
MATCH PROPOSED CONCRETE PAVEMENT
131.1AB'
1.1
WB OFF RAMP XOVER 'X6'
EB STH 82
END CONSTRUCTION
STA 25+00.00'X6'
MATCH 1016-05-80 CONSTRUCTION
BEGIN CONSTRUCTION
STA 23+60.62'X6'
MATCH EAST ROUNDABOUT
WETLANDS TYPE RPE

VCL = 160.00
K = 46.89
CONSTRUCTED UNDER PROJECT 1016-05-80
STA 23+60.62 'X6'
EL 870.83
LP STA 24+21.11
LP EL 870.45
VPC STA 26+03.24 'X6'
VPC EL 873.42
VPI STA 27+53.24 'X6'
VPI EL 876.90
FINISHED PROFILE
2.32%
1.09%
HP STA 27+83.72
HP EL 875.51
VPC STA 23+70.00 'X6'
VPC EL 870.73
VPI STA 24+50.00 'X6'
VPI EL 869.86
VPT STA 25+30.00 'X6'
VPT EL 871.72
VCL = 300.00
K = 77.71
EXISTING PROFILE
FINISHED DITCH PROFILE RT

885 880 875 870 865 860 855

| | | |



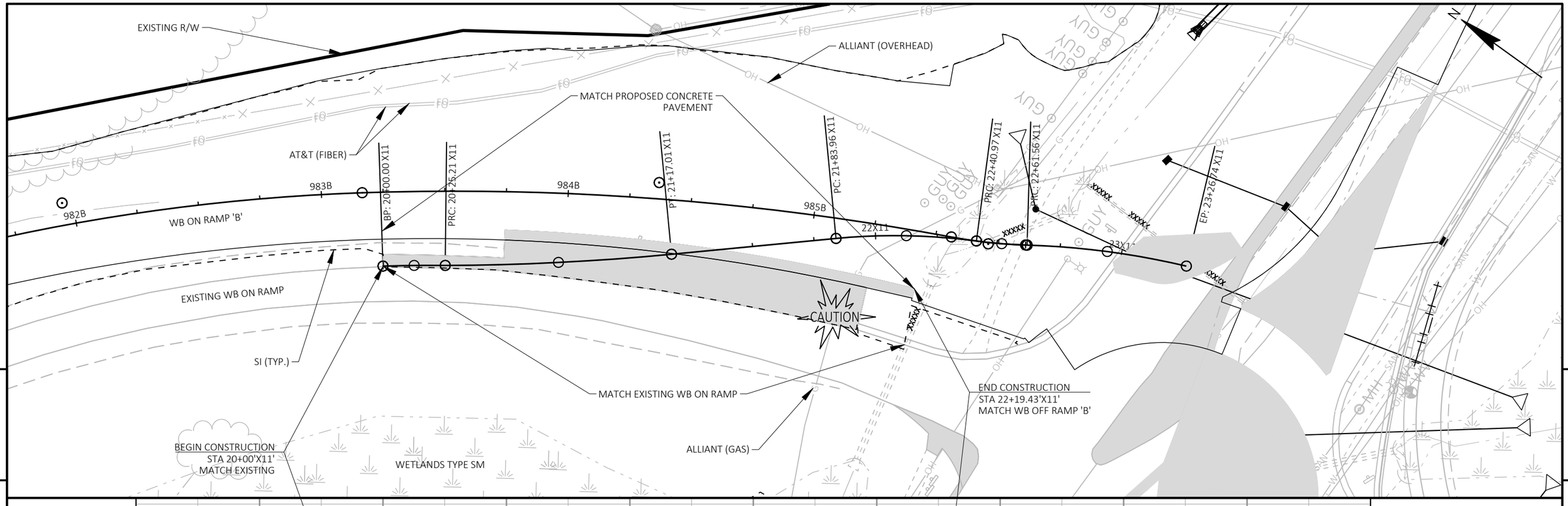


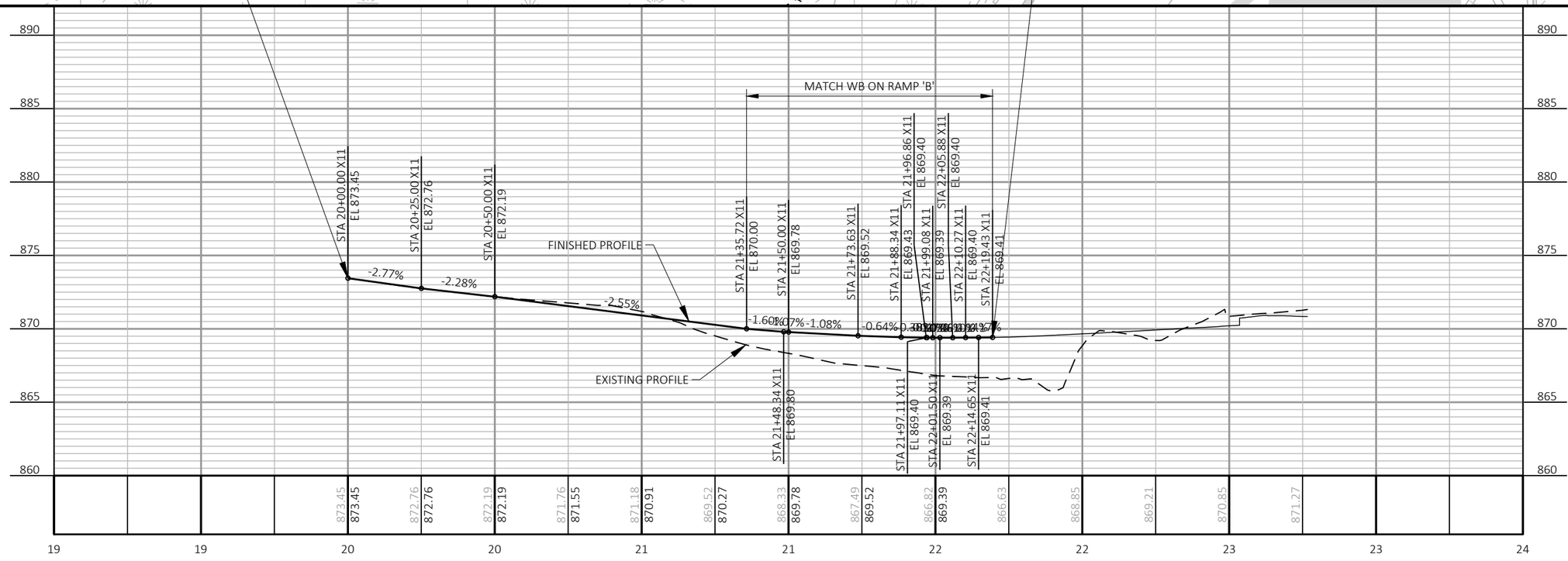
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB OFF RAMP XOVER STAGE 2C 'X12'	SHEET 562	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050107_PP WB RAMP XOVER STAGE 2.DWG
LAYOUT NAME - 050150-pp

PLOT DATE : 10/27/2021 7:42 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB ON RAMP XOVER STAGE 2D 'X11'	SHEET 563	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050107_PP WB RAMP XOVER STAGE 2.DWG
LAYOUT NAME - 050151-pp
PLOT DATE : 10/27/2021 7:44 PM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

STA 950+09WB
1-REMOVING ENDWALL
1-36" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D

TEMP MGS THRIE BEAM TRANSITION

EXISTING STRUCTURE B-29-037 (TO BE REMOVED)

STRUCTURE B-29-157

STA 954+12WB
1-REMOVING ENDWALL
1-30" CPRC CL III
1-RC AEW REQ'D
1-CONCRETE COLLAR REQ'D

CONCRETE BARRIER TEMPORARY PRECAST (TYP.)

CONNECT TEMP BARRIER TO TEMP MGS THRIE BEAM TRANSITION

MGS THRIE BEAM TRANSITION

MGS THRIE BEAM TRANSITION

STA 955+90.33 R/L 'WBT' =
STA 955+90.30 R/L WB
Y=158,976.493
X=466,527.966

MATCH LINE 958+00

PI: 945+61.10 'WBT'

EXISTING R/W

PC: 947+72.52 'WBT'

PT: 948+93.13 'WBT'

EXISTING R/W

SI (TYP.)

PT: 950+46.35 'WBT'

12'

8'

12'

R/W

PC: 954+37.42 'WBT'

MGS GUARDRAIL 3

PT: 955+90.38 'WBT'

EXISTING R/W

TEMPORARY MGS GUARDRAIL

PT: 957+10.95 'WBT'

PC: 957+40.97 'WBT'

944'WBT' 946'WBT' 948'WBT' 950'WBT' 952'WBT' 954'WBT' 956'WBT' 958'

WESTBOUND IH 90/94

944WB 946WB 948WB 950WB 952WB 954WB 956WB 958

6'

2'

12'

226'

944EB 946EB 948EB 950EB 952EB 954EB 956EB 958

EASTBOUND IH 90/94

EASTBOUND IH 90/94

STA 948+93.13 R/L 'WBT' =
STA 948+93.10 R/L WB
Y=159,532.204
X=466,106.939

EXISTING R/W

END WB TEMPORARY TRANSITION CONSTRUCTION
STA 957+10.95WBT

BEGIN WB TEMPORARY TRANSITION CONSTRUCTION
STA 947+72.52WBT

EXISTING STRUCTURE B-29-036 (REHAB)

EXISTING R/W

END WB TEMPORARY TRANSITION CONSTRUCTION
BEGIN WB IH 90/94 CONSTRUCTION
948+93.13WBT

END WB IH 90/94 CONSTRUCTION
BEGIN WB TEMPORARY TRANSITION CONSTRUCTION
STA 956+90.33WBT

SEE WB IH 90/94 PROFILE

B-29-157

STA 947+72.52 'WBT'
EL 898.98

STA 948+93.13 'WBT'
EL 900.71

STA 955+90.33 'WBT'
EL 905.90

STA 957+10.95 'WBT'
EL 905.82

1.43%

-0.07%

FINISHED WB IH 90/94 PROFILE

EXISTING PROFILE

CONSTRUCT PERMANENT CONCRETE PAVEMENT & APPROACH SLABS

FINISHED WB TRANSITION PROFILE

915 910 905 900 895 890 885 880

891.66 892.46 893.77 894.59 895.38 896.65 897.51 898.63 899.39 899.38 900.08 900.09 900.61 901.13 901.78 902.14 902.56 903.01 888.90 884.68 897.54 904.56 904.88 905.13 905.25 905.55 905.66 905.89 905.84 905.86 905.81 905.83 905.81 905.84

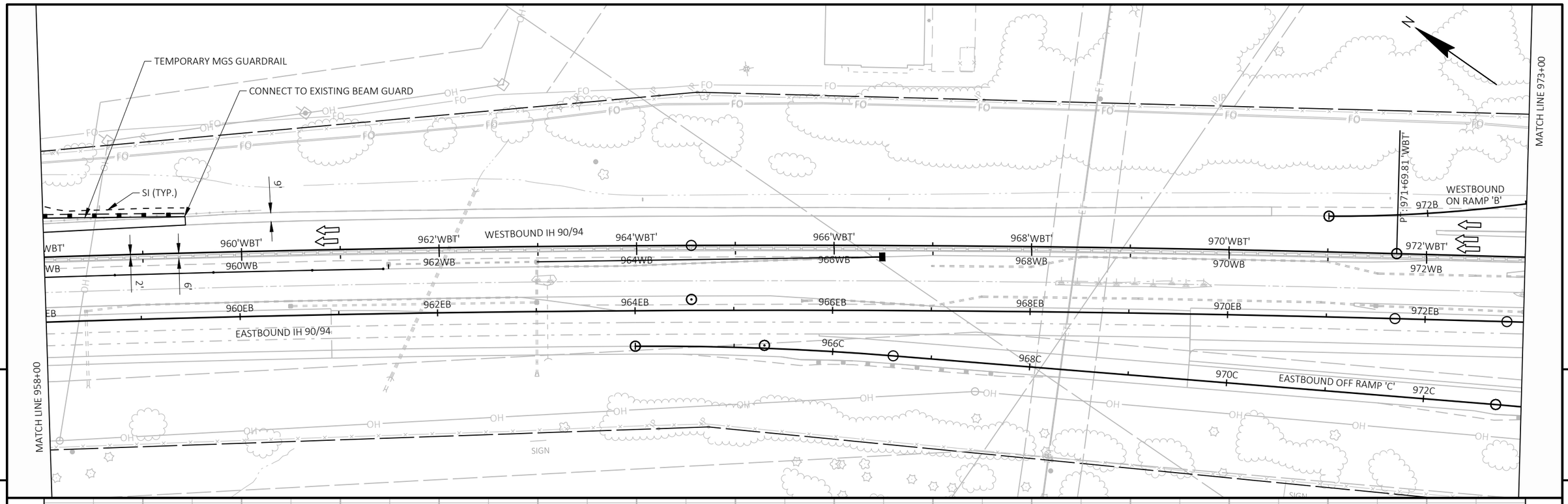
943 945 946 947 948 949 950 951 952 953 954 955 956 957 958

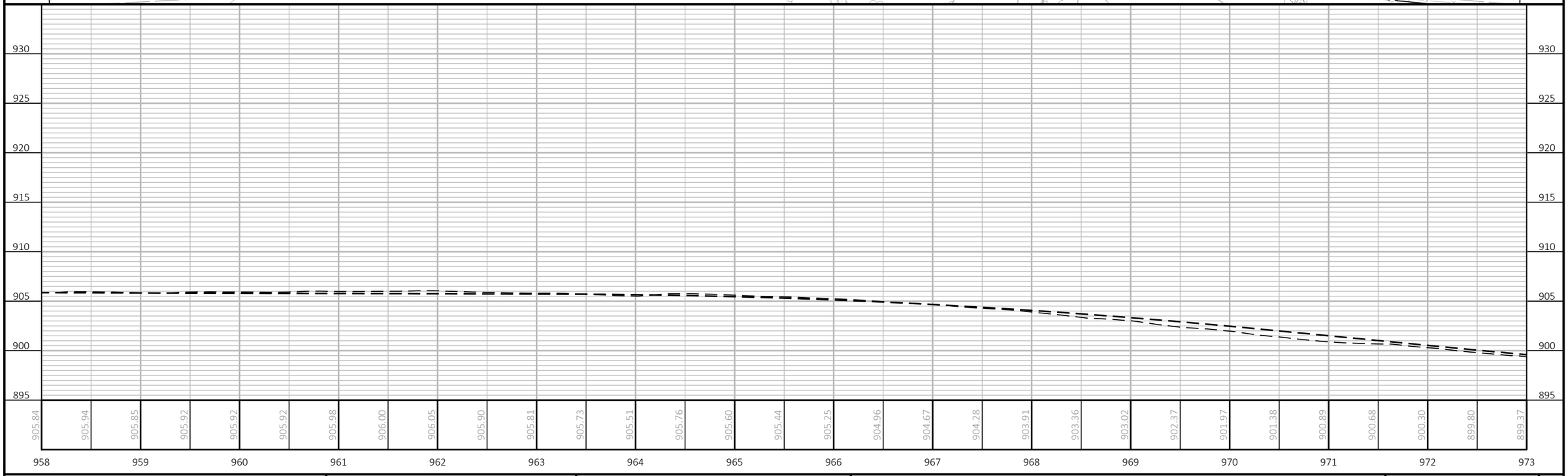
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 564	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050108_PP WB TRANSITIONS STAGE 3.DWG
LAYOUT NAME - 050152-pp

PLOT DATE : 11/17/2021 3:14 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

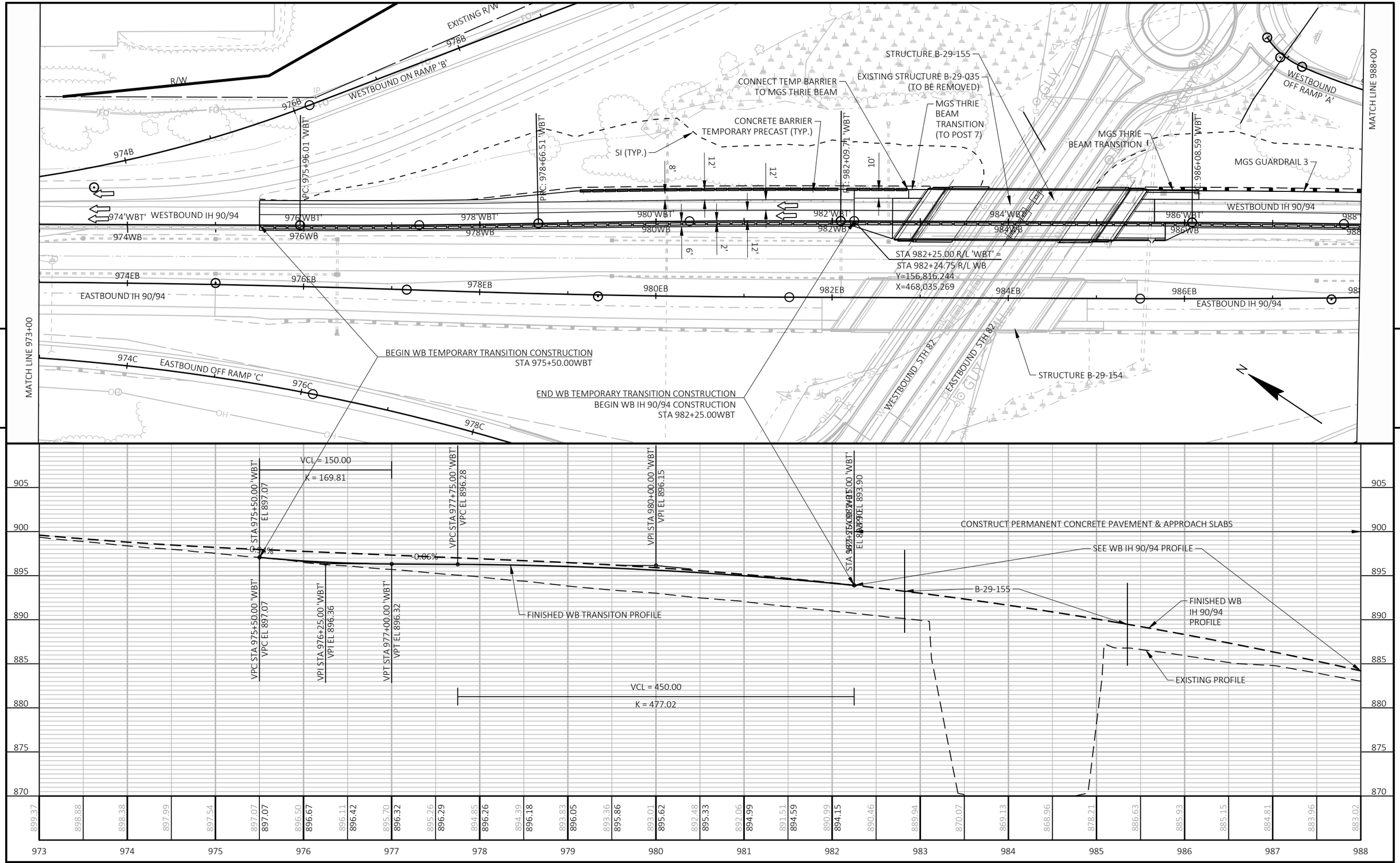
WISDOT/CADDS SHEET 44





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 565	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050108_PP WB TRANSITIONS STAGE 3.DWG
LAYOUT NAME - 050153-pp
PLOT DATE : 11/17/2021 3:14 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 566	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050108_PP WB TRANSITIONS STAGE 3.DWG
LAYOUT NAME - 050154-pp

PLOT DATE : 11/17/2021 3:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA 989+53.01 R/L 'WBT' =
STA 989+52.76 R/L WB
Y=156,207.500
X=468,434.507

TEMP THRIE BEAM TRANSITION

CONNECT TEMP BARRIER TO TEMP MGS THRIE BEAM TRANSITION

CONCRETE BARRIER
TEMPORARY PRECAST (TYP.)

WESTBOUND
OFF RAMP 'A'

SI (TYP.)

MGS GUARDRAIL 3

TEMPORARY
CRASH CUSHION

PRC: 989+53.01 'WBT'

PT: 992+23.83 'WBT'

R/W

EXISTING R/W

WESTBOUND IH 90/94

EASTBOUND IH 90/94

EASTBOUND ON RAMP 'D'

988A 990A 992A 994A 996A 998A

988WB 990WB 992WB 994WB 996WB 998WB 1000WB 1002WB

988EB 990EB 992EB 994EB 996EB 998EB 1000EB 1002EB

988D 990D 992D 994D 996D

988'WBT' 990'WBT' 992'WBT' 994'WBT' 996'WBT' 998'WBT' 1000'WBT' 1002'WBT'

8' 10' 14' 12' 6' 2' 12' 12'

END WB IH 90/94
CONSTRUCTION
BEGIN WB TEMPORARY
TRANSITION CONSTRUCTION
STA 989+53.01WBT

END WB TEMPORARY TRANSITION CONSTRUCTION
STA 992+23.83WBT

MATCH LINE 988+00

MATCH LINE 1003+00

VCL = 200.00

K = 171.04

SEE WB IH
90/94 PROFILE

STA 989+53.01 'WBT'
EL 880.52

-2.54%

-1.37%

STA 992+23.83 'WBT'
EL 875.09

FINISHED WB IH 90/94 PROFILE

EXISTING PROFILE

FINISHED WB TRANSITION PROFILE

VPC STA 990+00.00 'WBT'
VPC EL 879.32

VPI STA 991+00.00 'WBT'
VPI EL 876.78

VPT STA 992+00.00 'WBT'
VPT EL 875.41

CONSTRUCT PERMANENT CONCRETE PAVEMENT
& APPROACH SLABS

883.02	882.09	881.13	880.19	879.12	879.32	878.19	878.13	877.24	877.08	876.48	876.17	875.49	875.41	874.63	873.75	873.02	872.21	871.41	870.96	870.45	869.81	869.47	868.97	868.88	868.62	868.51	868.40	868.49	868.55	868.49	868.65	868.85	868.95	869.28	869.37
988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003																				

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PLOTS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 567 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050108_PP WB TRANSITIONS STAGE 3.DWG
LAYOUT NAME - 050155-pp

PLOT DATE : 11/17/2021 3:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MATCH LINE 1003+00

MATCH LINE 1017+99.99

5

5

N

SENSITIVE AREA

CONNECT TEMP BARRIER TO TEMP MGS THRIE BEAM

CONCRETE BARRIER TEMPORARY PRECAST (TYP.)

STA 1008+81.60 R/L 'WBT' =
STA 1008+81.50 R/L WB
Y=154,600.947
X=469,501.391

TEMP MGS THRIE BEAM TRANSITION

MGS GUARDRAIL 3

MGS THRIE BEAM TRANSITION

STRUCTURE B-29-153

EXISTING STRUCTURE B-29-033 (TO BE REMOVED)

STA 1017+17.35 R/L 'WBT' =
STA 1017+17.26 R/L WB
Y=153,907.091
X=469,967.240

SI (TYP.)

EXISTING R/W

BM-4

PC: 1006+10.59 'WBT'

PRC: 1008+81.60 'WBT'

PT: 1012+25.17 'WBT'

PC: 1017+73.18 'WBT'

12'

12'

10'

14'

2'

6'

12'

1004'WBT' 1004WB

1006'WBT' 1006WB

1008'WBT' 1008WB

1010'WBT' 1010WB

1012'WB 1012WB

1014'WBT' 1014WB

WESTBOUND IH 90/94

1016'WBT' 1016WB

1018 101

1004EB

1006EB

1008EB

1010EB

1012EB

1014EB

1016EB

101

MGS GUARDRAIL 3

EASTBOUND IH 90/94

MGS GUARDRAIL TEMPORARY

BEGIN WB TEMPORARY TRANSITION CONSTRUCTION
STA 1006+10.59WBT -1008+81.60WBT

END WB TEMPORARY TRANSITION CONSTRUCTION
BEGIN WB IH 90/94 CONSTRUCTION
STA 1008+81.60WBT

STRUCTURE B-29-152

R/W

LEMONWEIR RIVER

EXISTING R/W

SENSITIVE AREA

END WB IH 90/94 CONSTRUCTION
BEGIN WB TEMPORARY TRANSITION CONSTRUCTION
STA 1017+17.35WBT

CONSTRUCT PERMANENT CONCRETE PAVEMENT & APPROACH SLABS

SEE WB IH 90/94 PROFILE

B-29-153

STA 1006+10.59 'WBT'
EL 870.26

STA 1008+81.60 'WBT'
EL 871.28

0.38%

EXISTING PROFILE

FINISHED WB IH 90/94 PROFILE

FINISHED WB TRANSITION PROFILE

STA 1017+17.35 'WBT'
EL 874.54

880 875 870 865 860 855 850 845

869.37 869.51 869.72 869.80 869.93 869.99 870.20 870.41 870.40 870.36 870.59 870.64 870.78 870.77 870.97 871.05 871.16 871.32 871.56 871.74 871.95 872.19 872.34 872.48 867.02 848.78 852.42 857.23 873.18 873.28 873.30 873.33 873.46 873.50 873.52 874.58 873.71 874.66

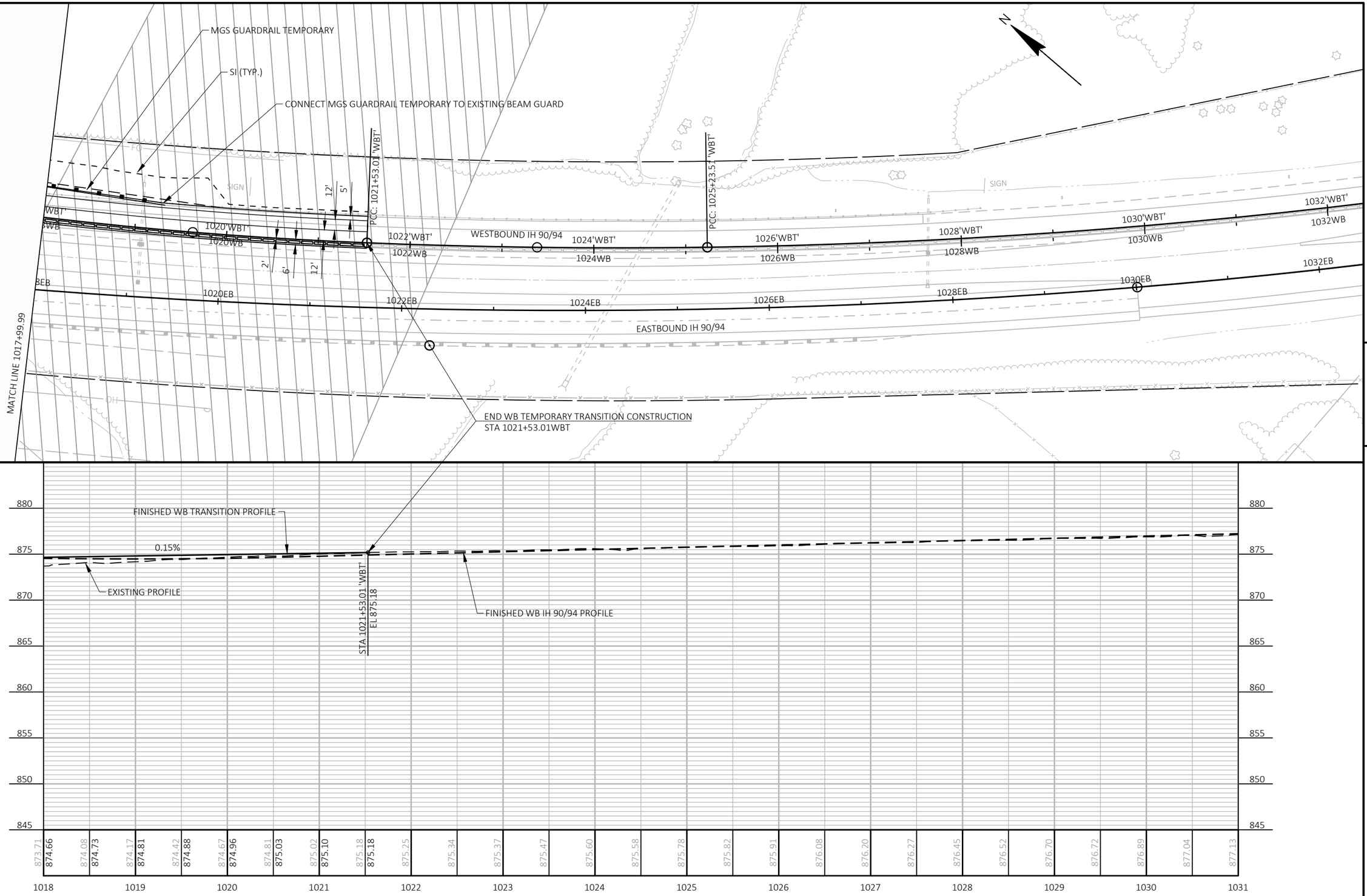
1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 568	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050108_PP WB TRANSITIONS STAGE 3.DWG
LAYOUT NAME - 050156-pp

PLOT DATE : 11/17/2021 3:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

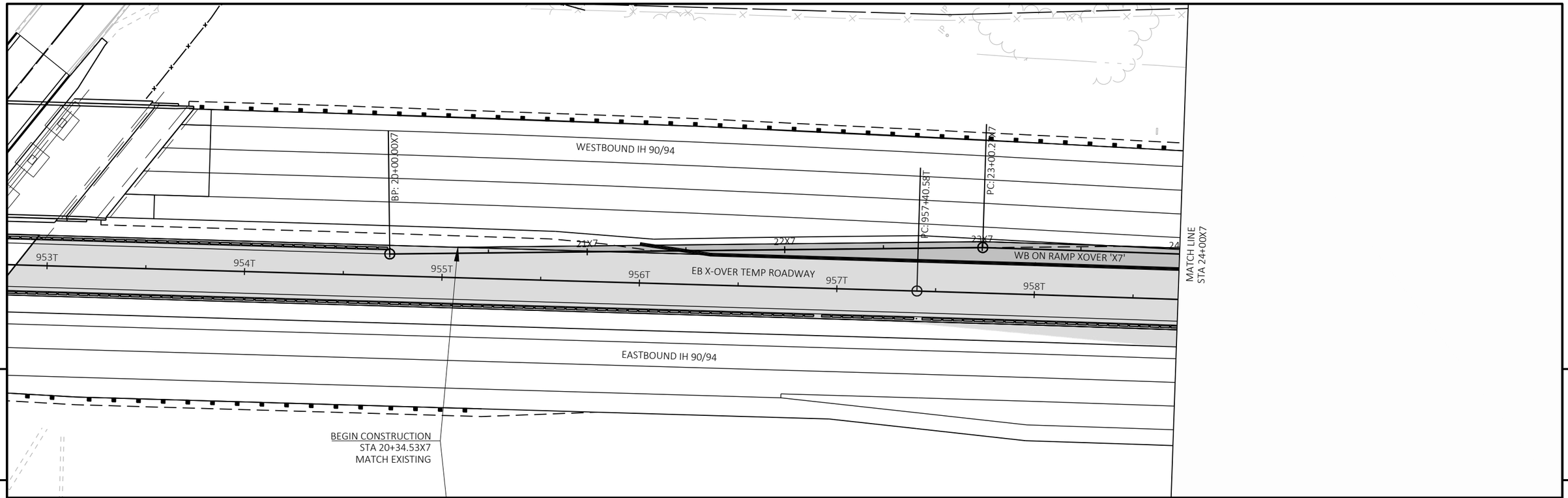


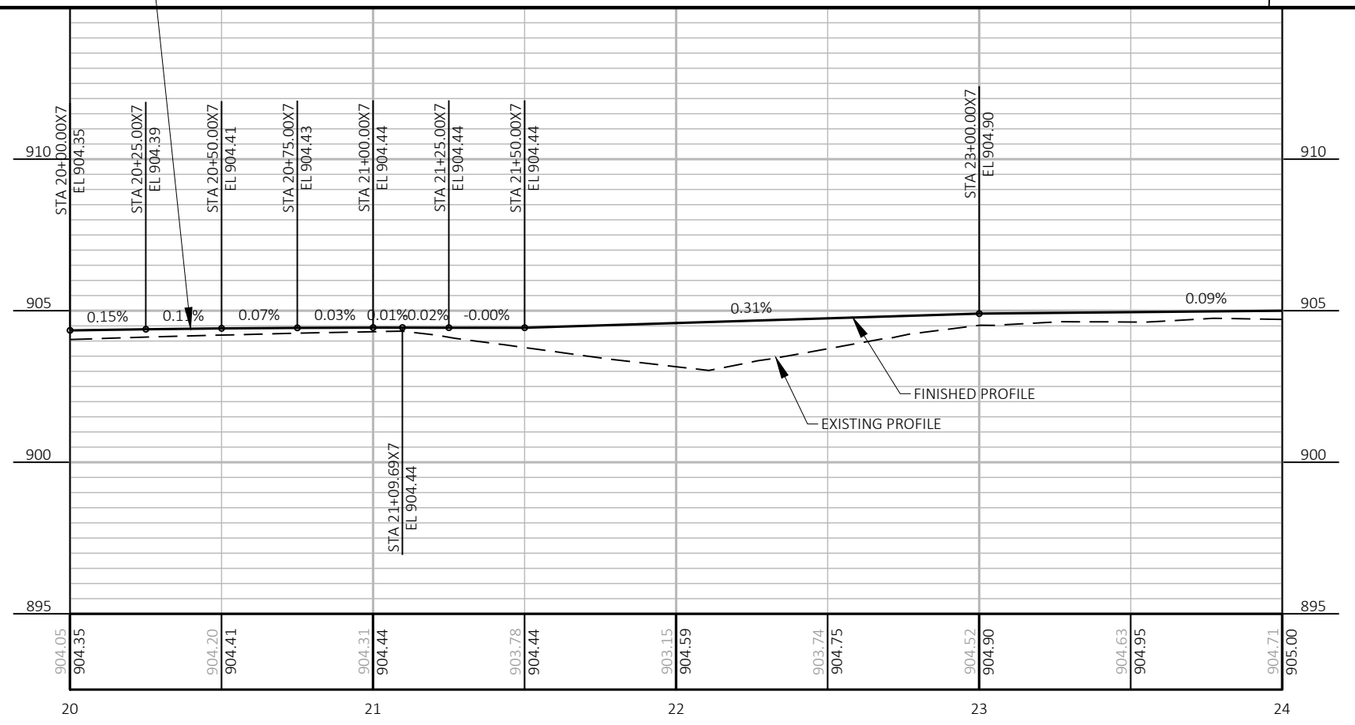
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 569	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050108_PP WB TRANSITIONS STAGE 3.DWG
LAYOUT NAME - 050157-pp

PLOT DATE : 11/17/2021 3:16 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

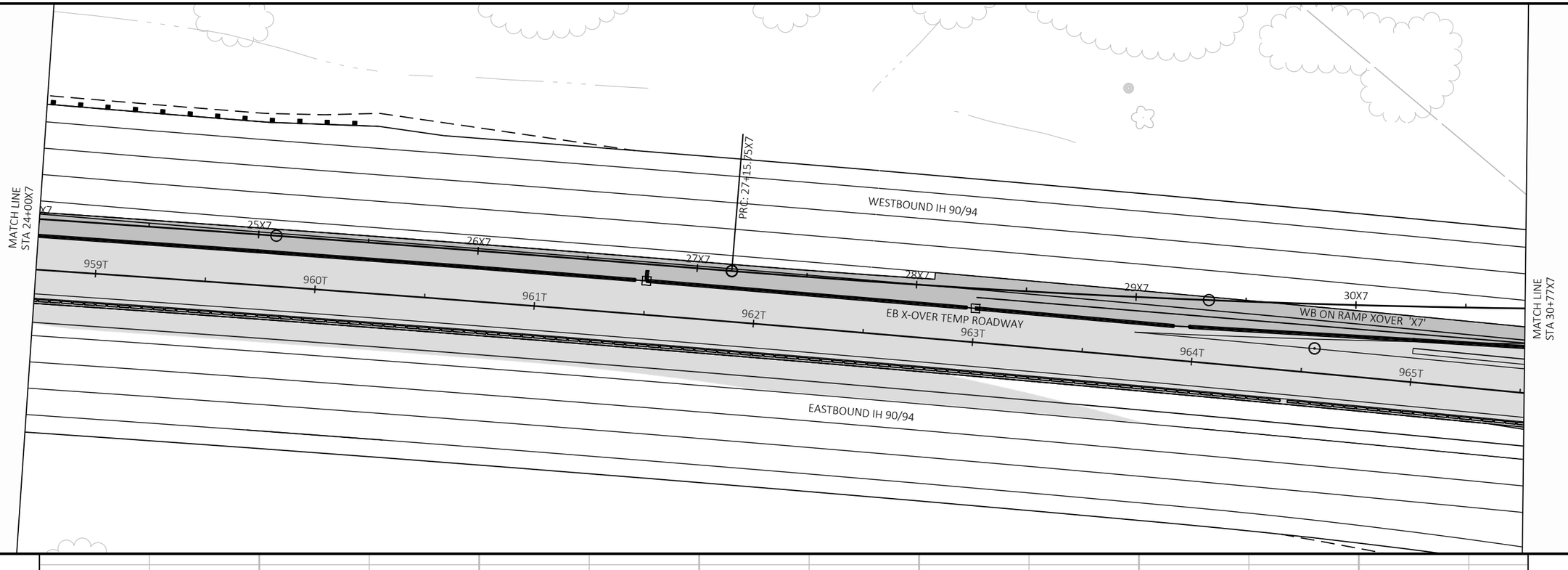


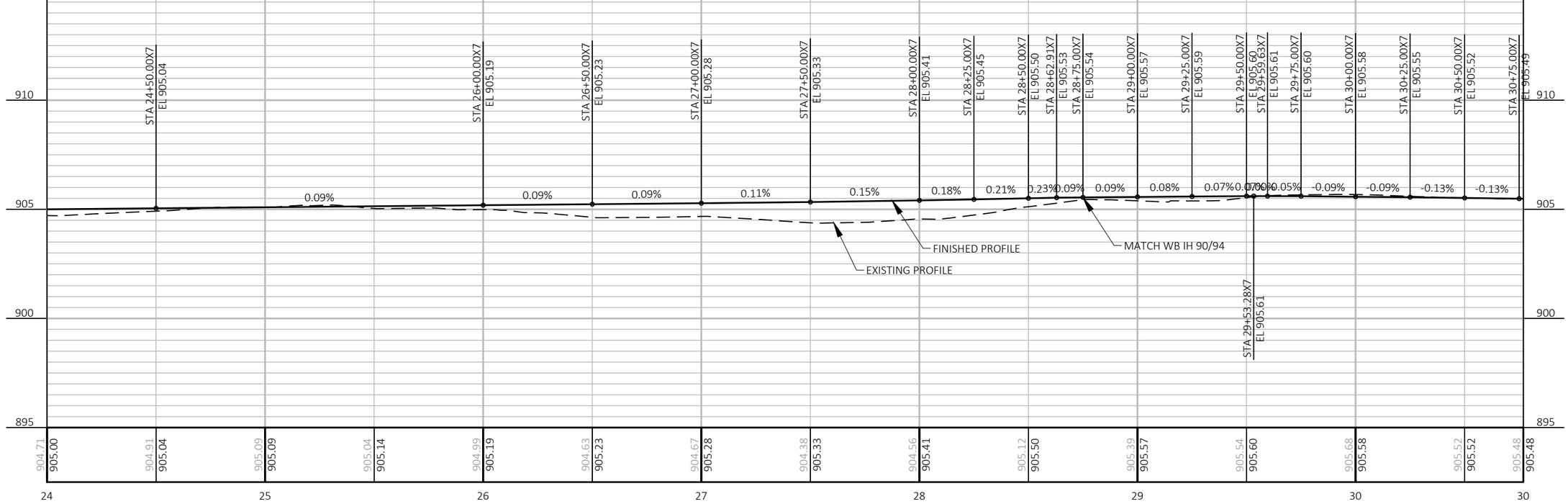


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB ON RAMP XOVER STAGE 3 'X7'	SHEET 570	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050104_PP WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 050158-pp (1)

PLOT DATE : 10/27/2021 7:49 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT



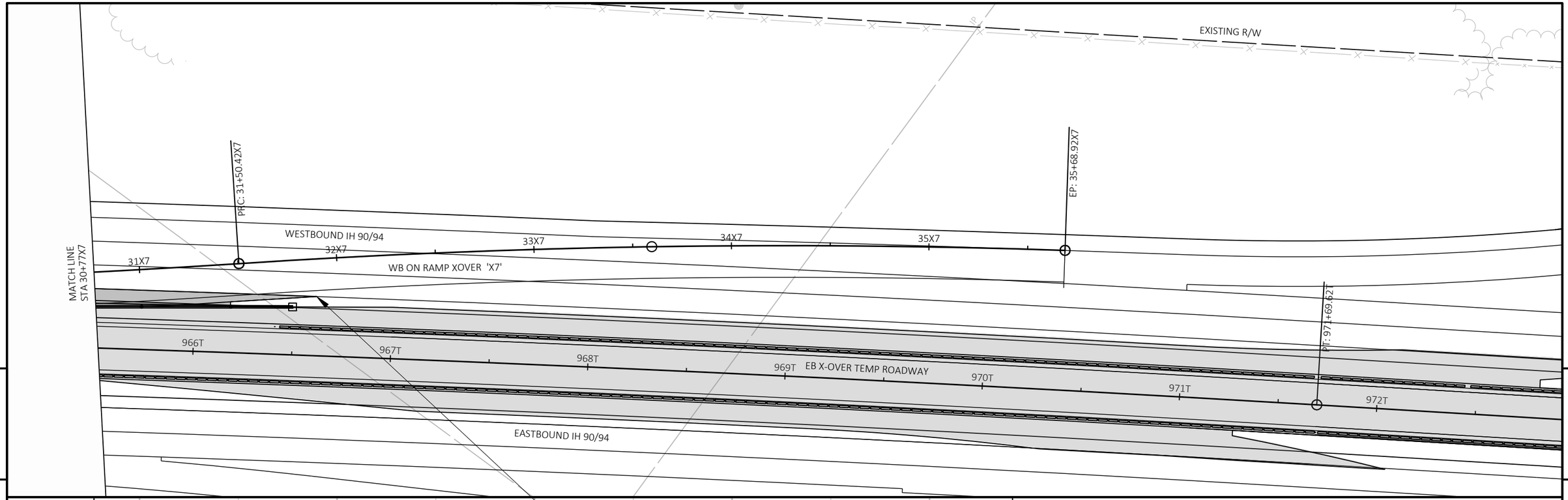


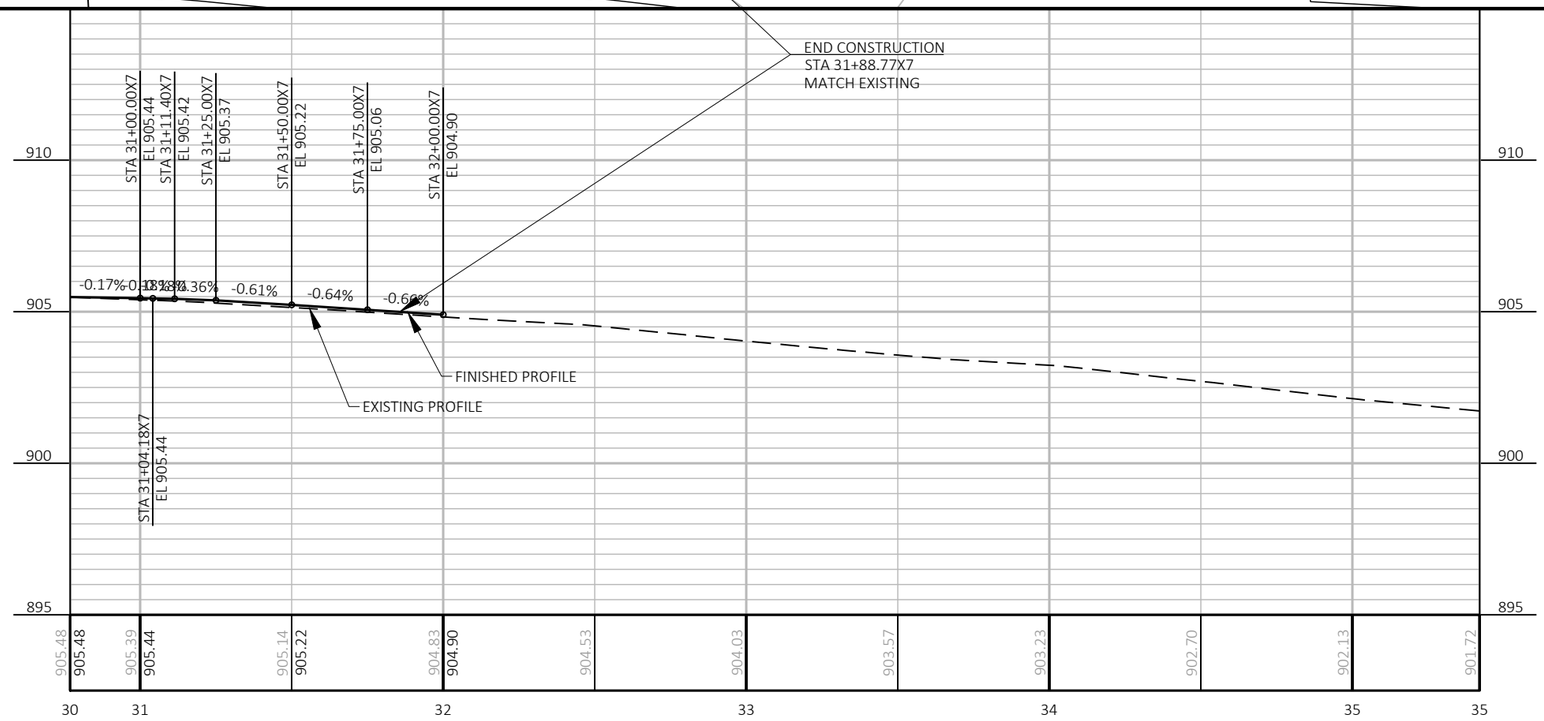
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB ON RAMP XOVER STAGE 3 'X7'	SHEET 571	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050104_PP WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 050159-pp (2)

PLOT DATE : 10/27/2021 7:49 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

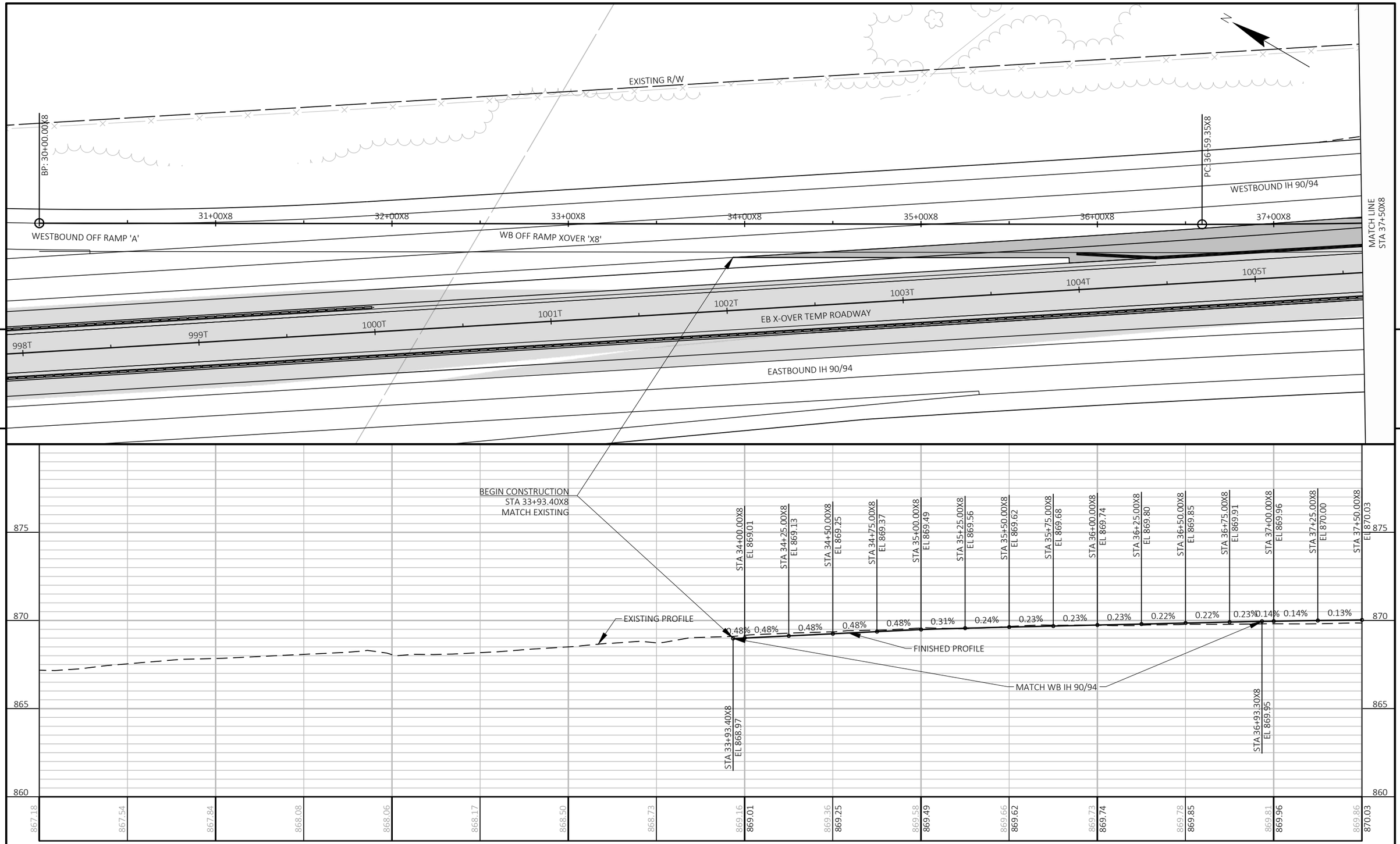




PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB ON RAMP XOVER STAGE 3 'X7'	SHEET 572	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050104_PP WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 050160-pp (3)

PLOT DATE : 10/27/2021 7:50 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WB OFF RAMP XOVER STAGE 3 'X8'	SHEET 573	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050104_PP WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 050160-pp

PLOT DATE : 10/27/2021 7:51 PM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

EXISTING R/W

SENSITIVE AREA

PT: 39+78.60X8

PI: 41+78.60X8

EP: 43+78.96X8

WESTBOUND IH 90/94

MATCH LINE
STA 37+50X8

38+00X8 39+00X8 40+00X8 41+00X8 42+00X8 43+00X8

WB OFF RAMP XOVER 'X8'

1006T 1007T 1008T 1009T 1010T 1011T 1012T 1013T

EB X-OVER TEMP ROADWAY

EASTBOUND IH 90/94

5

5

STA 37+50.00X8 EL 870.03
STA 37+75.00X8 EL 870.01
STA 38+00.00X8 EL 870.00
STA 38+25.00X8 EL 870.02
STA 38+50.00X8 EL 870.03
STA 38+75.00X8 EL 870.06
STA 39+00.00X8 EL 870.13
STA 39+25.00X8 EL 870.22
STA 39+50.00X8 EL 870.32
STA 39+75.00X8 EL 870.41
STA 40+00.00X8 EL 870.51
STA 40+25.00X8 EL 870.61
STA 40+50.00X8 EL 870.70
STA 40+75.00X8 EL 870.80
STA 41+00.00X8 EL 870.90
STA 41+25.00X8 EL 870.99
STA 41+50.00X8 EL 871.09
STA 41+78.60X8 EL 871.20
STA 42+50.00X8 EL 871.33
STA 43+25.00X8 EL 871.71
STA 43+50.00X8 EL 871.84

END CONSTRUCTION
STA 45+55.91X8
MATCH EXISTING

875
870
865
860

-0.06% -0.05% 0.05% 0.09% 0.04% 0.13% 0.29% 0.37% 0.38% 0.38% 0.39% 0.39% 0.39% 0.39% 0.39% 0.39% 0.39% 0.39% 0.39% 0.19% 0.51% 0.51% 0.51% 0.51% 0.51% 0.51%

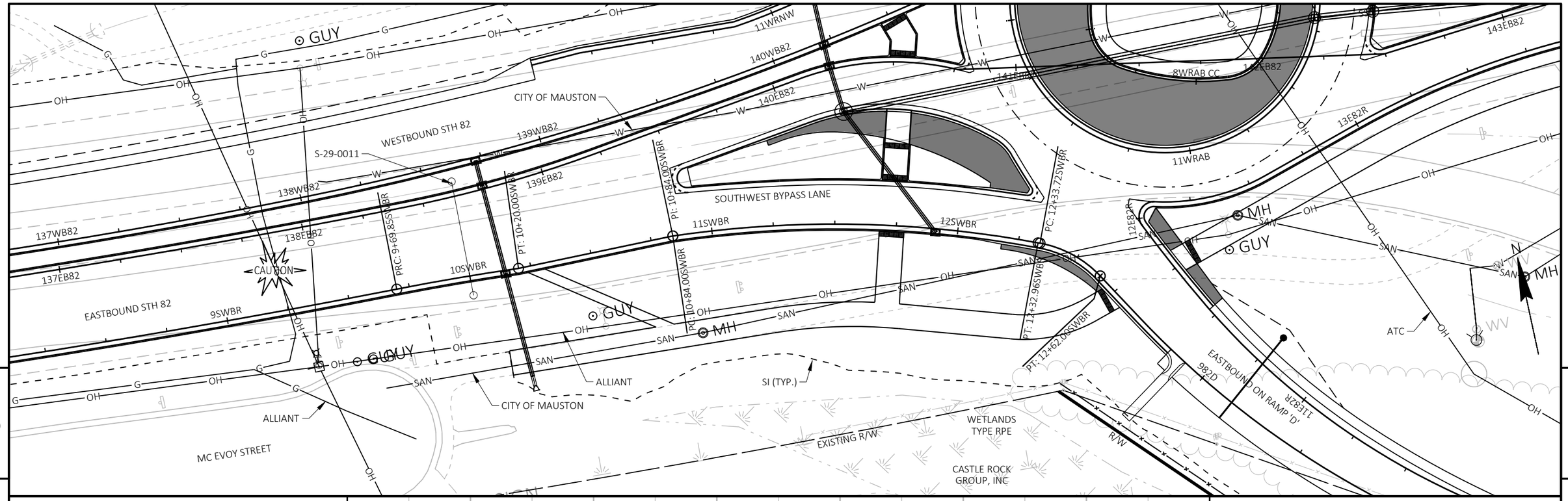
FINISHED PROFILE

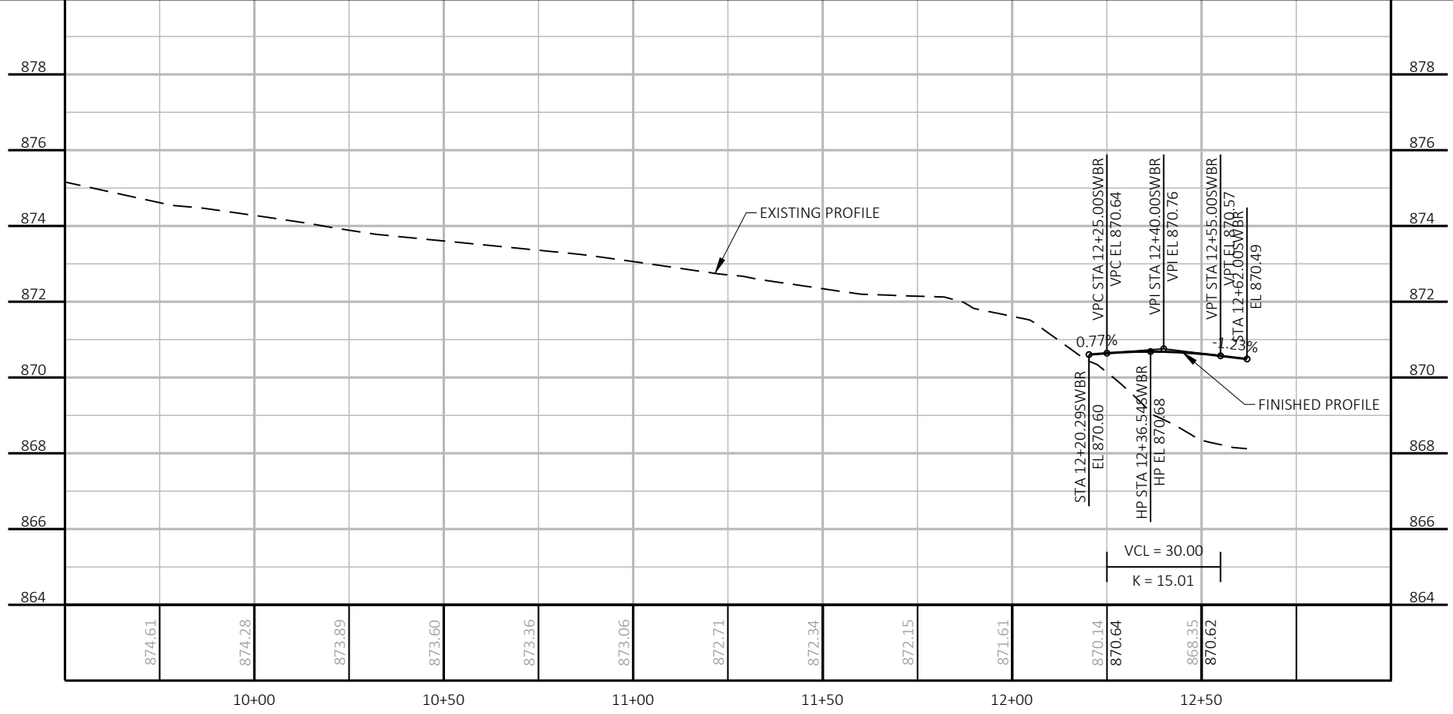
ORIGINAL GROUND

STA 38+18.97X8
EL 870.01

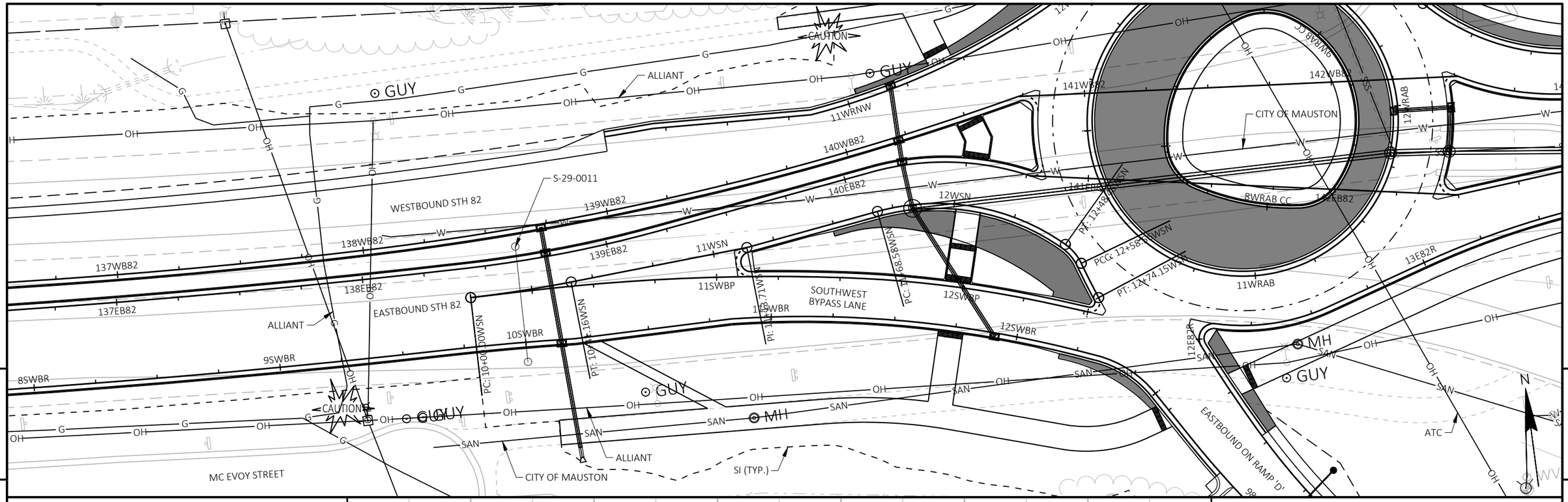
STA 41+75.00X8
EL 871.19

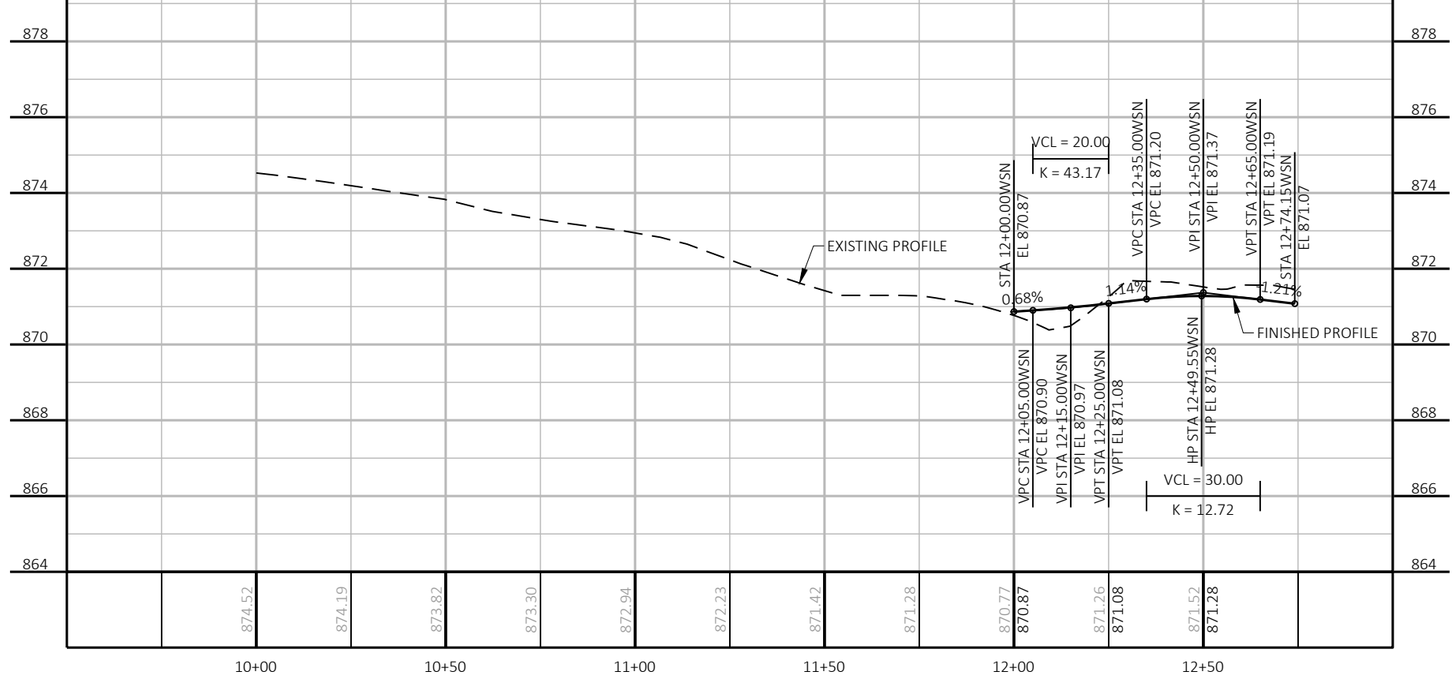
| | | |





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WEST RAB SW QUAD BYPASS RT. EP 'SWBR'	SHEET 575	E

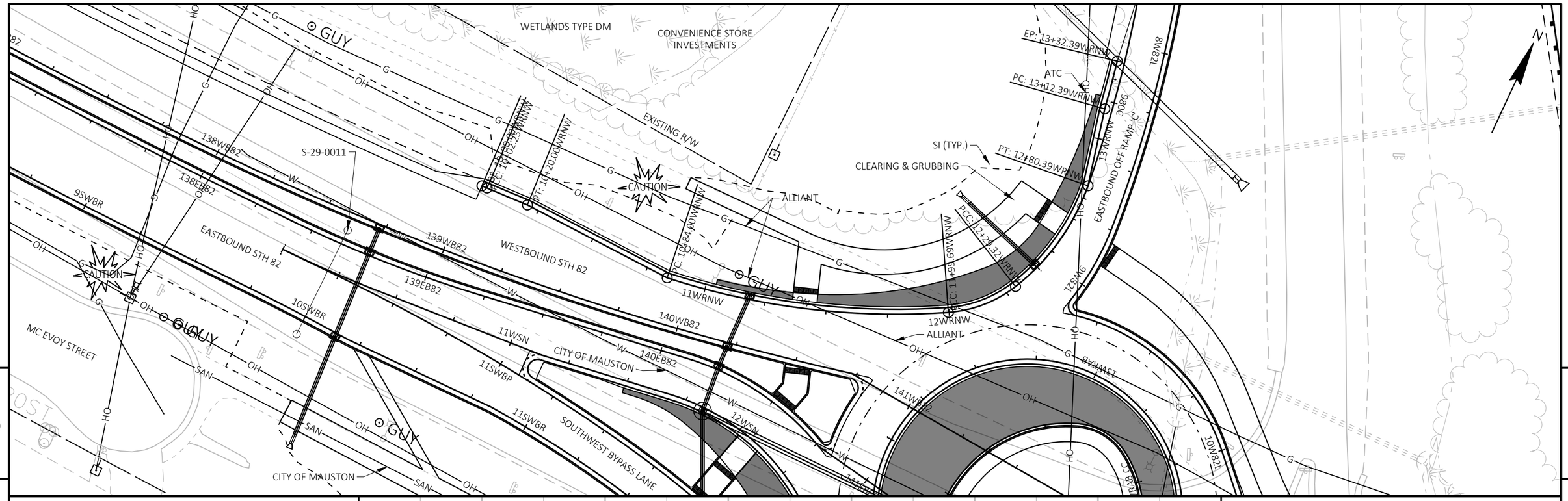


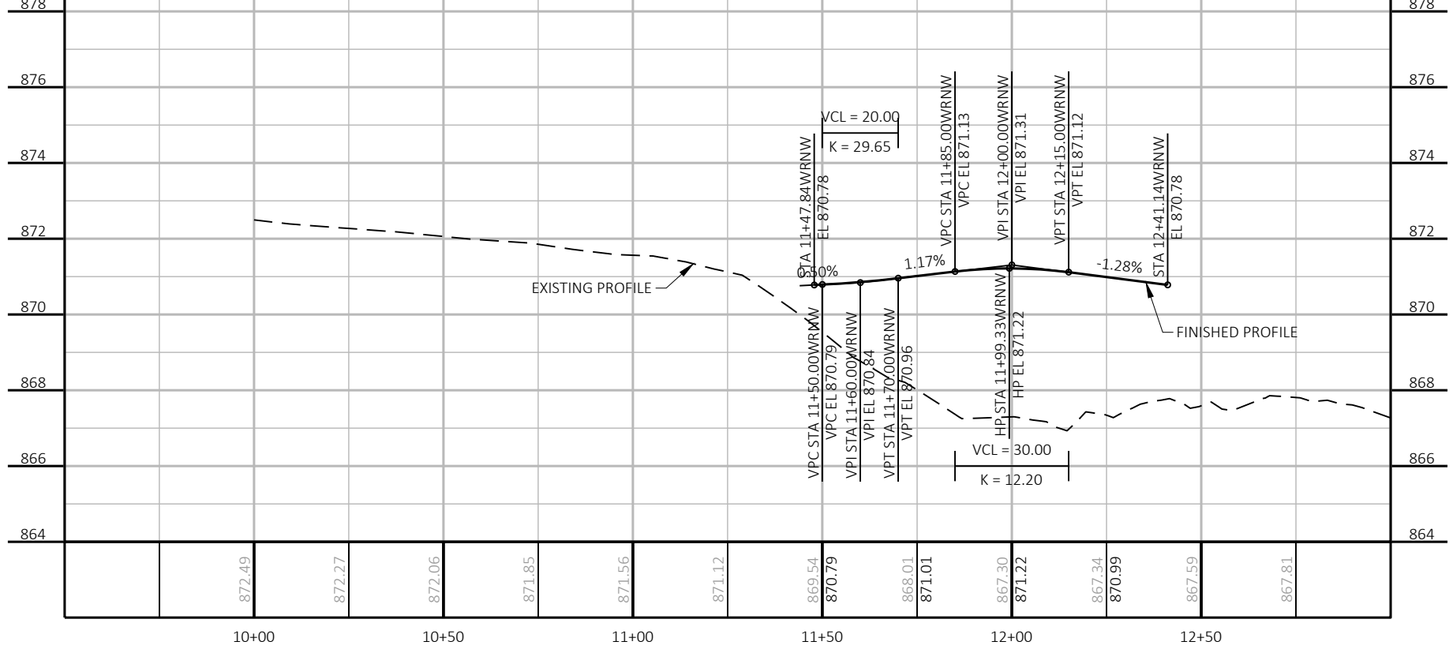


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WEST RAB SW QUAD BYPASS ISLAND NORTH 'WSN'	SHEET 576	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050143_PP-RAB CURBS.DWG
LAYOUT NAME - 050163-pp

PLOT DATE : 10/28/2021 6:36 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT



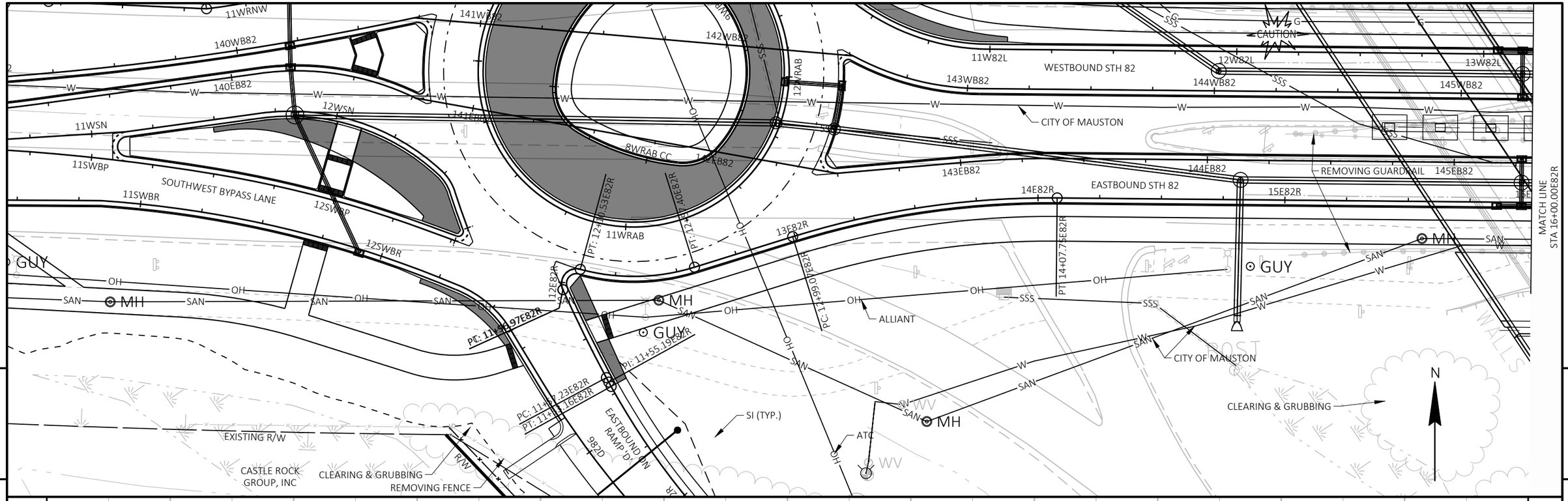


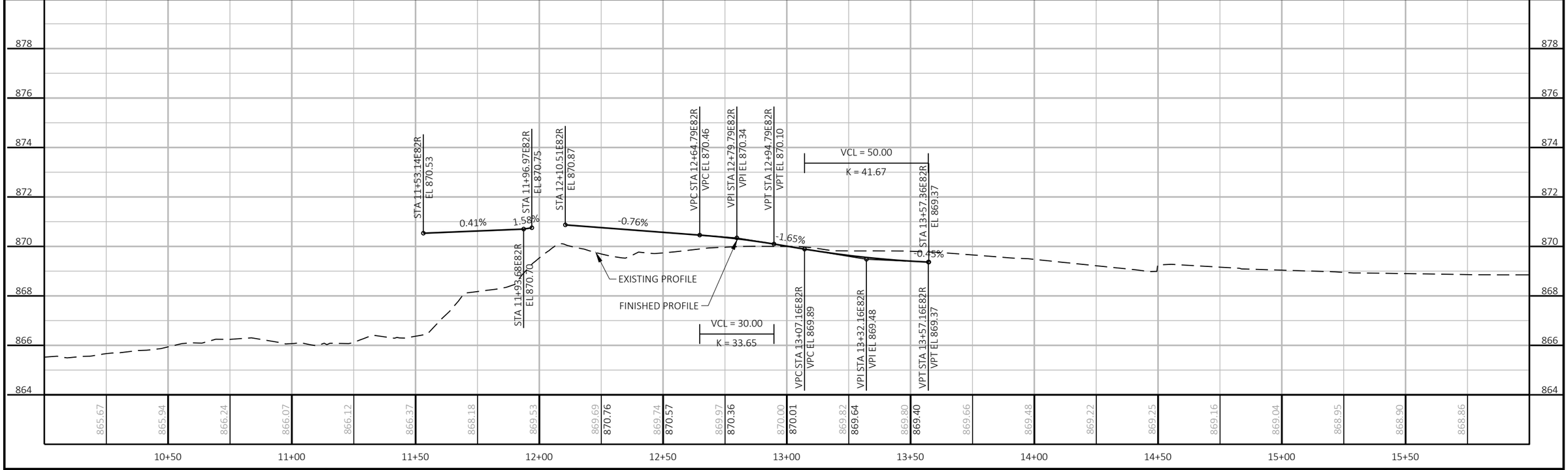
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: WEST RAB NW QUAD WB LT EP 'WBNW'	SHEET 577	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050143_PP-RAB CURBS.DWG
LAYOUT NAME - 050164-pp

PLOT DATE : 10/28/2021 6:36 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

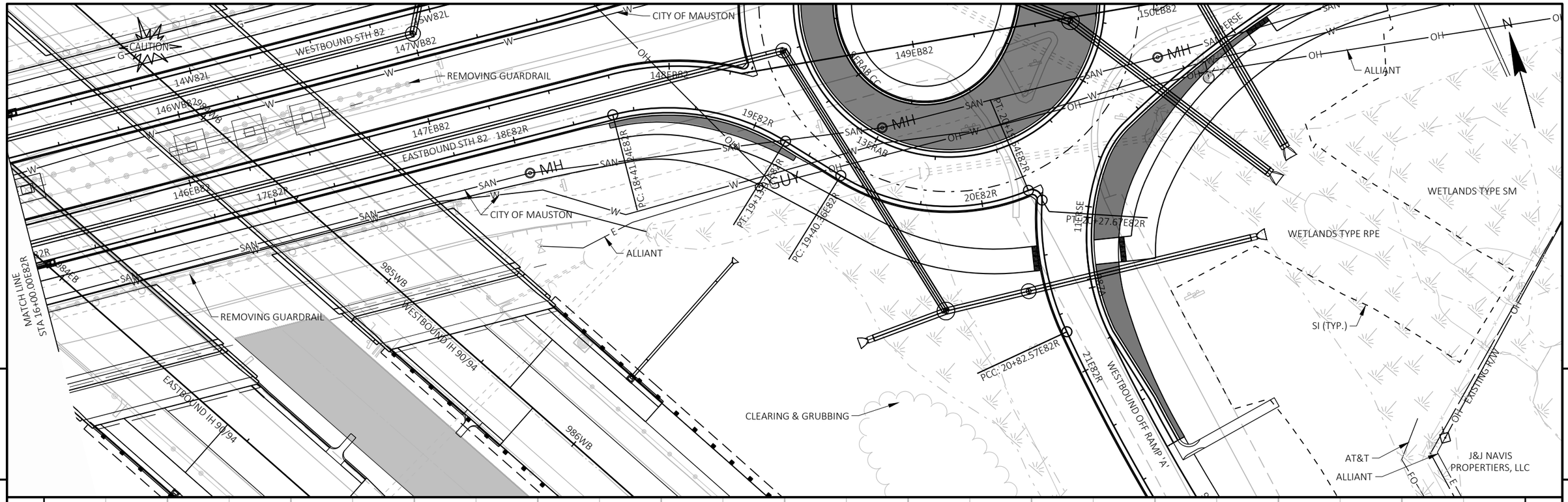
WISDOT/CADDS SHEET 44

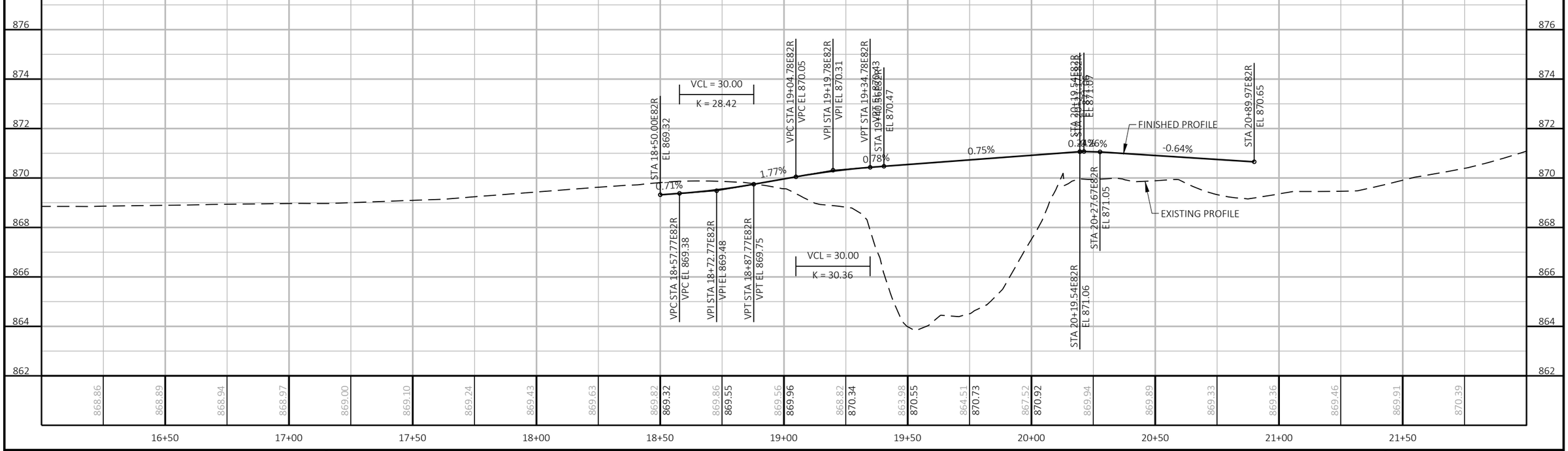




PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: STH 82 RIGHT FLAG UNDER BRIDGES 'E82R	SHEET 578	E

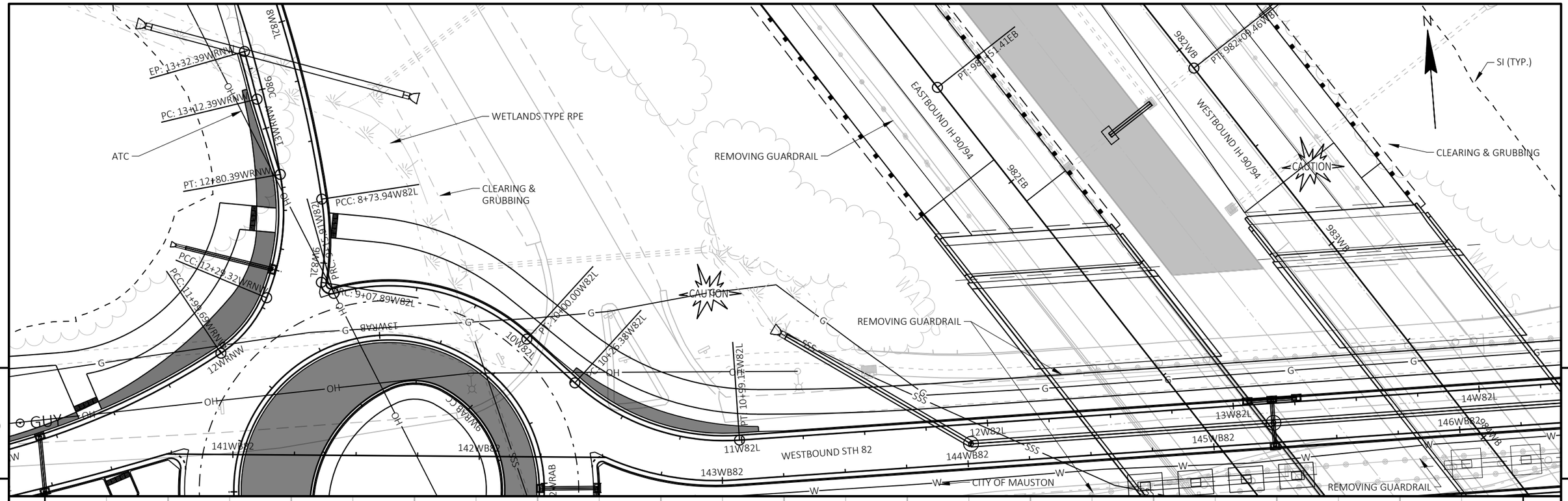
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050143_PP-RAB CURBS.DWG
LAYOUT NAME - 050165-pp
PLOT DATE : 10/28/2021 6:37 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

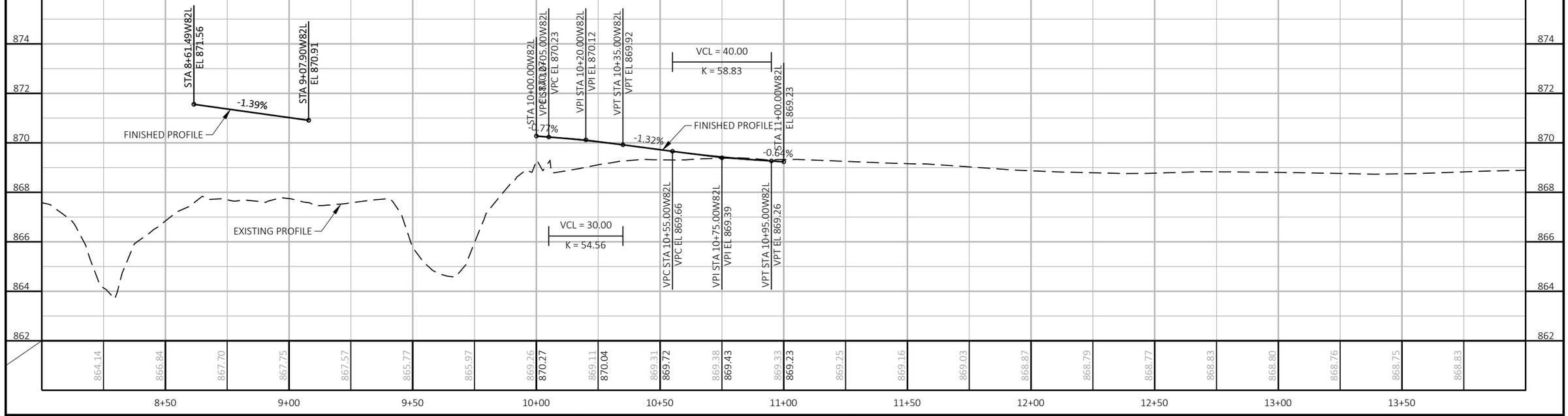




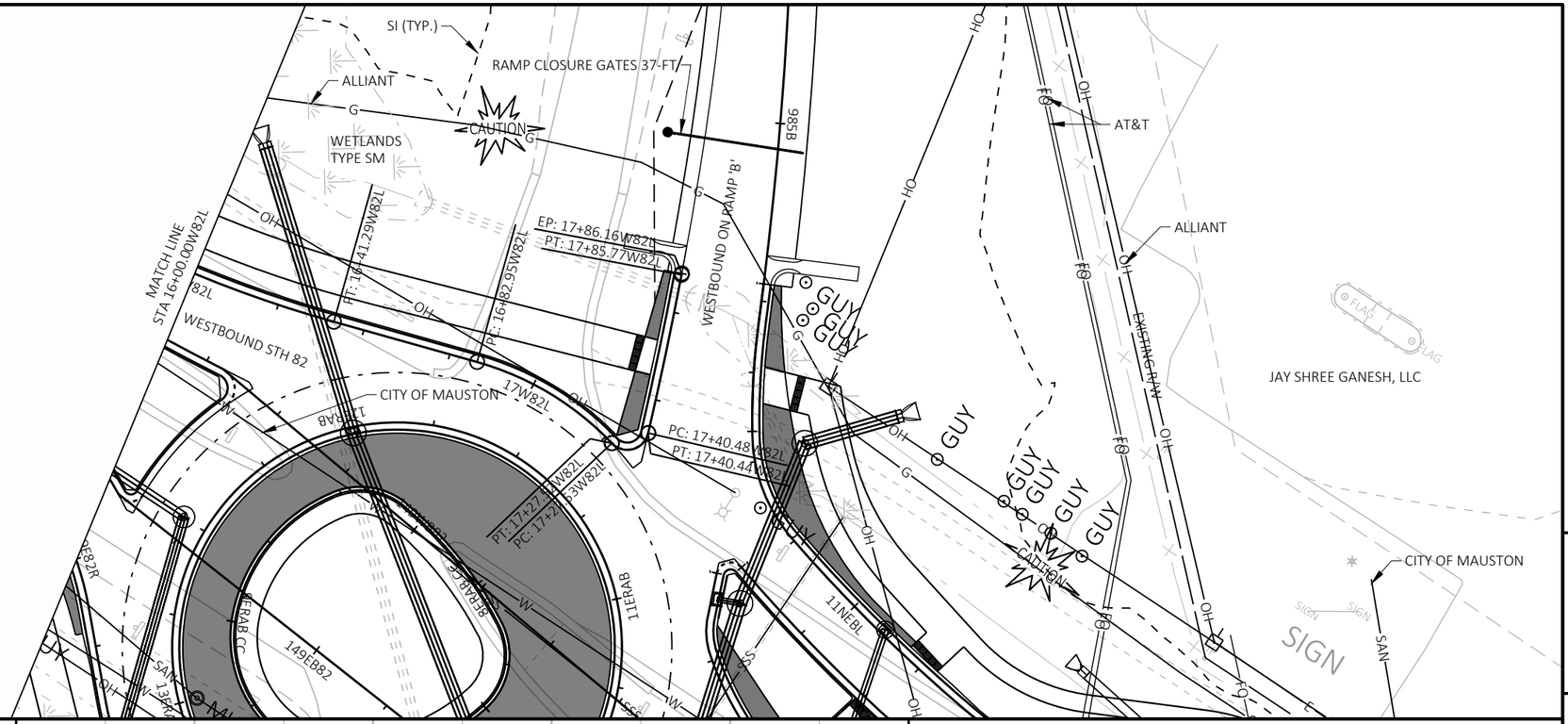
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: STH 82 RIGHT FLAG UNDER BRIDGES 'E82R	SHEET 579	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050143_PP-RAB CURBS.DWG
LAYOUT NAME - 050166-pp
PLOT DATE : 10/28/2021 6:38 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



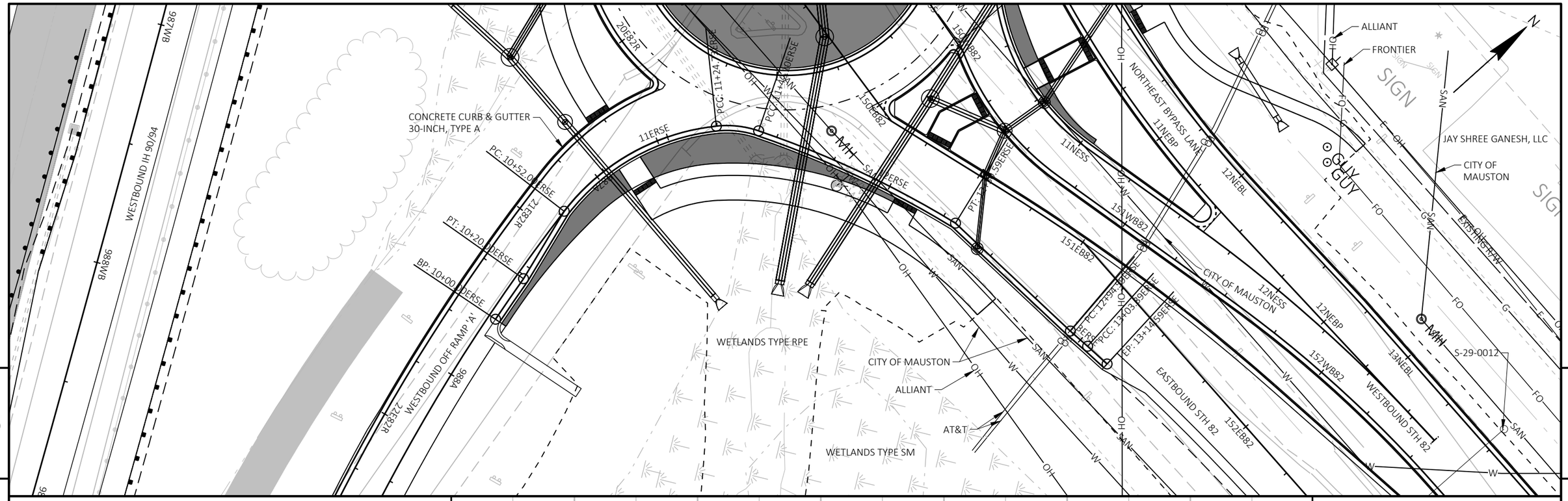


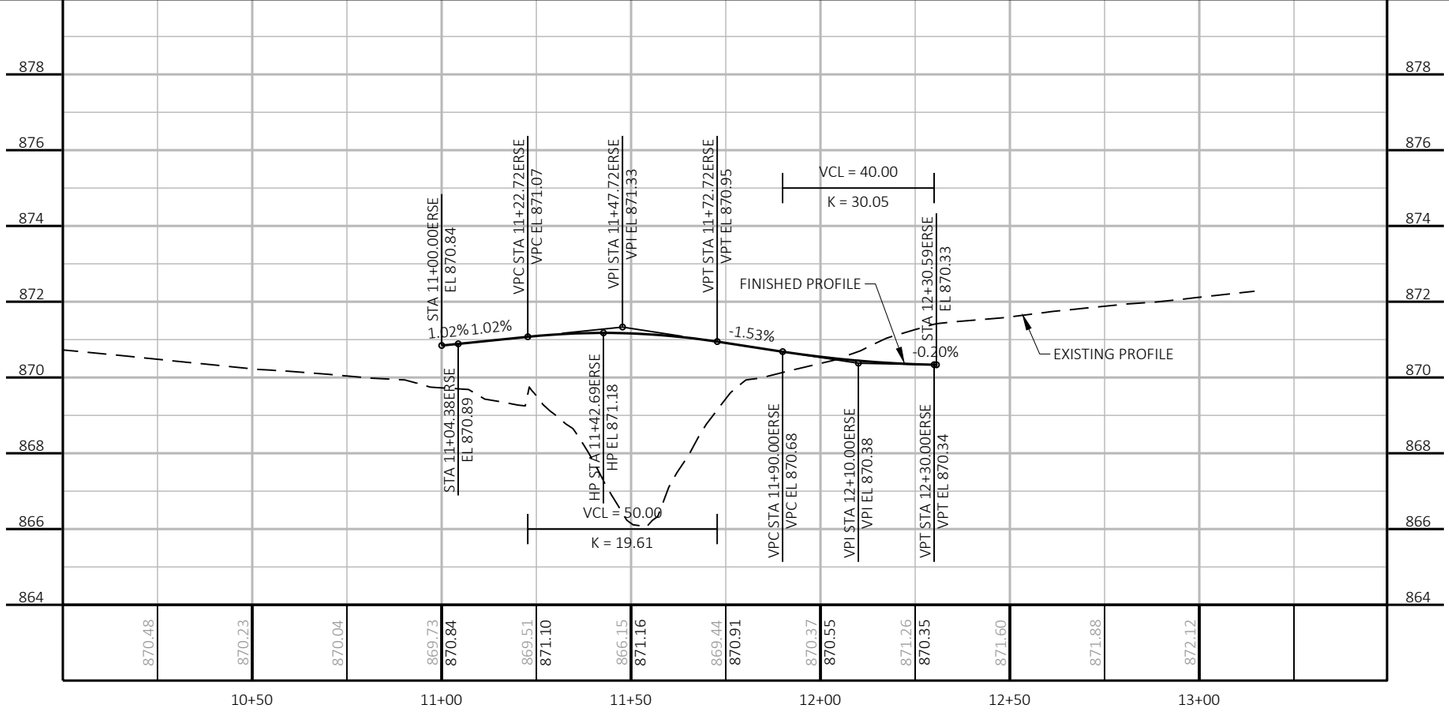
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: STH 82 WB LEFT FLAG UNDER BRIDGES 'W82L'	SHEET 580	E



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: STH 82 WB LEFT FLAG UNDER BRIDGES 'W82L'	SHEET 581	E

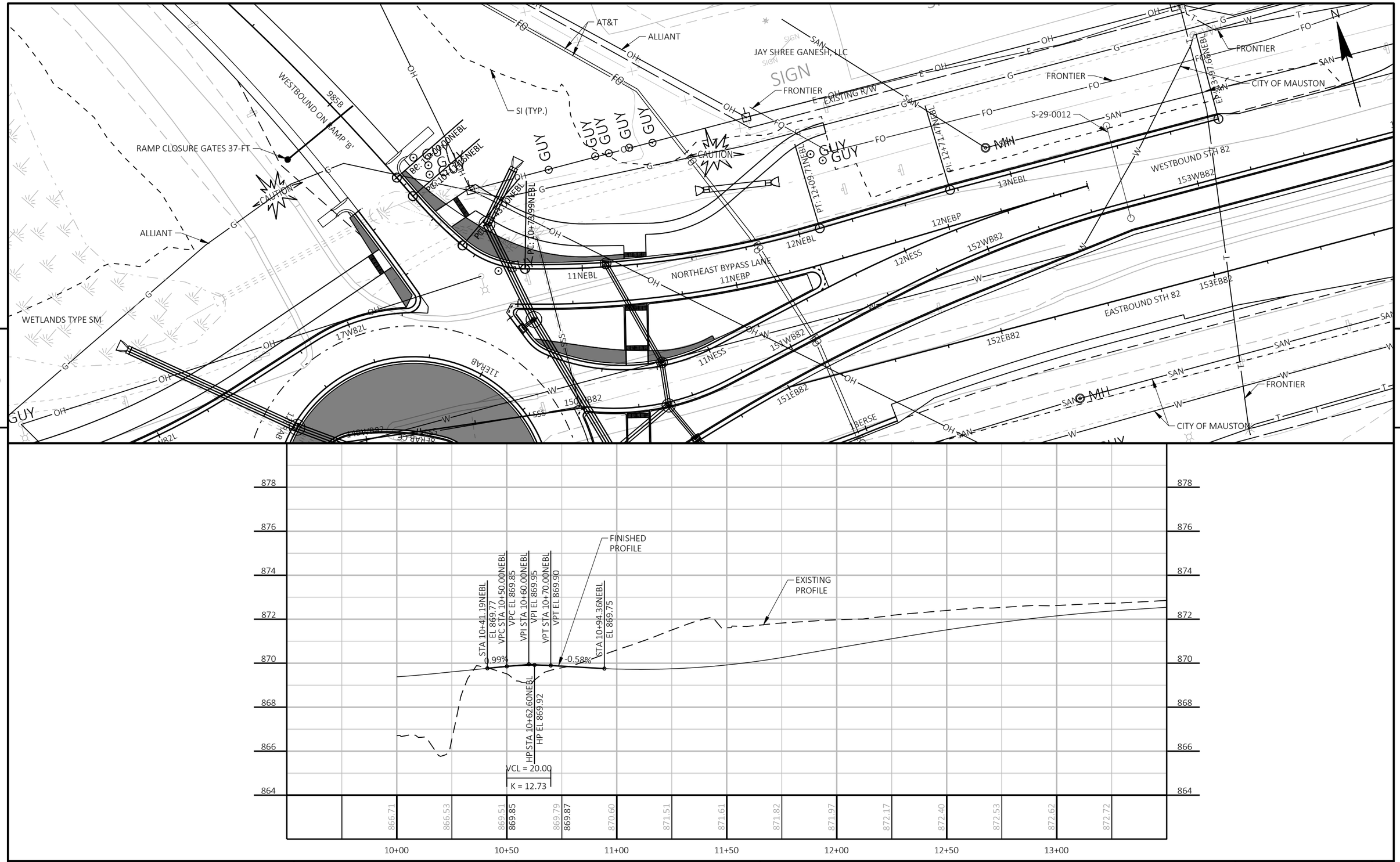
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050143_PP-RAB CURBS.DWG
LAYOUT NAME - 050168-pp
PLOT DATE : 10/28/2021 6:40 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: STH 82 A RAMP LT EP AT RAB 'ERSE'	SHEET 582	E

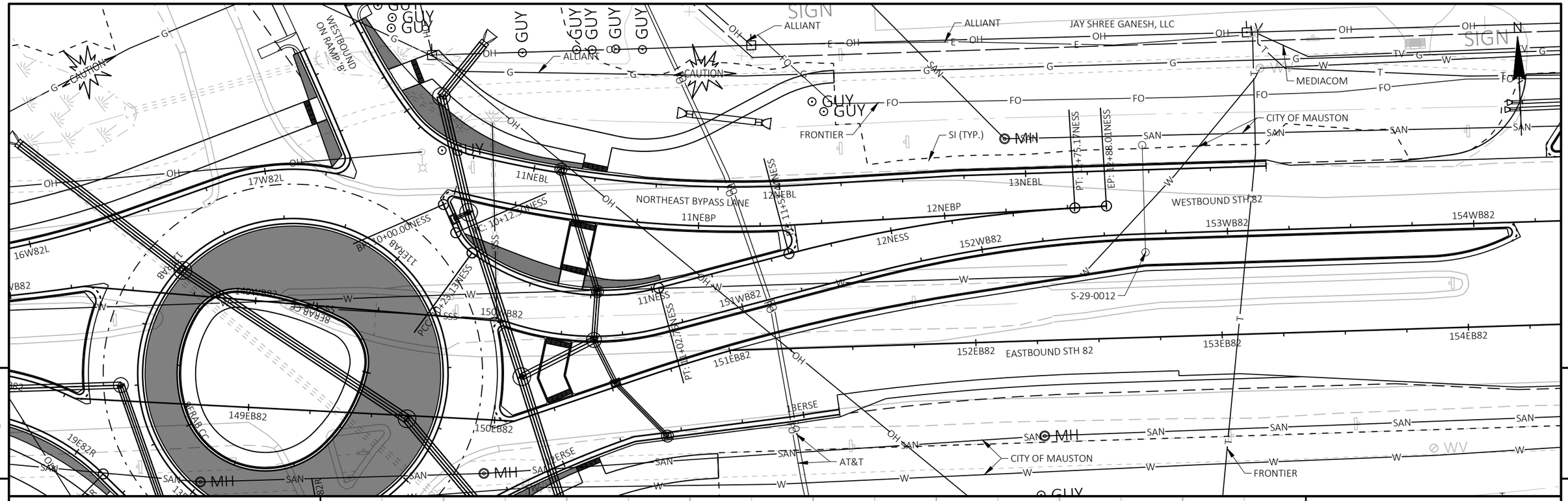
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LAYOUT NAME - 050169-pp
PLOT DATE : 10/28/2021 6:41 AM
PLOT BY : CONNOR GIRTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

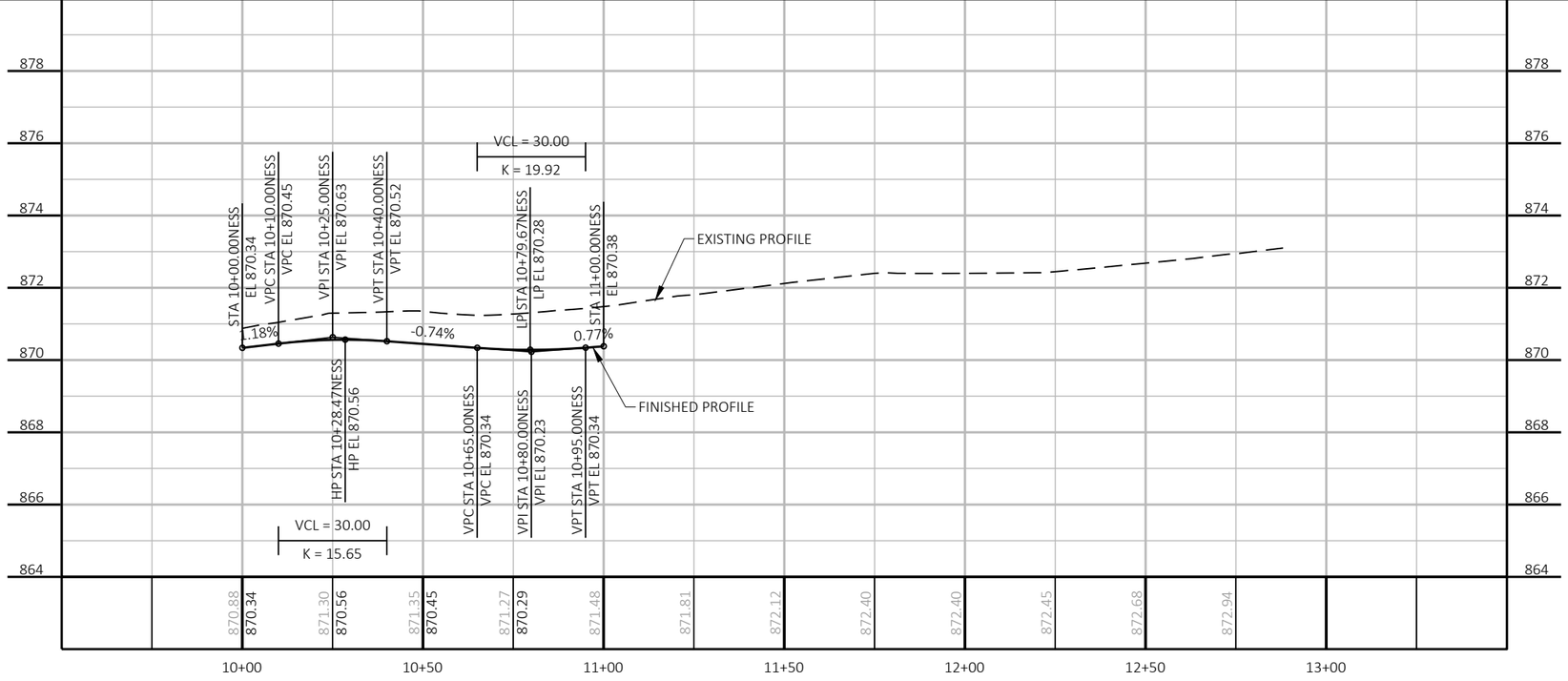


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: STH 82 EB B RAMP LT EP AT RAB 'NEBL'	SHEET 583	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050143_PP-RAB CURBS.DWG
LAYOUT NAME - 050170-pp

PLOT DATE : 10/28/2021 6:42 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN AND PROFILE: STH 82 WB RIGHT SPLITTER NORTHEAST 'NESS'	SHEET 584 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050143_PP-RAB CURBS.DWG
LAYOUT NAME - 050171-pp

PLOT DATE : 10/28/2021 6:42 AM PLOT BY : CONNOR GIRTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	954+32.9WB, 303.8' LT	REPLACED NUT ON HYD, 26' N OF CTH G ℄	888.93'
2	950+50.5EB, 146.2' RT	BURY NUT ON HYD, 25' N OF CTH G ℄	884.34'

BRUCE A & EILEEN M GUYETTE

BRUCE A & EILEEN M GUYETTE

BRUCE A & EILEEN M GUYETTE

ATC

EXISTING R/W

PC: 944+01.89 WB

PCC: 947+24.10 WB

MAINTENANCE CROSSOVER

934WB 936WB 938WB 940WB 942WB WESTBOUND IH 90/94 944WB 946WB

STA 936+59EB CABLE BARRIER END TERMINAL TYPE 1 LENGTH OF NEED

CABLE BARRIER TYPE 1

REMOVING EXISTING MEDIAN ROAD

934EB 936EB 938EB 940EB 942EB 944EB 946EB

EASTBOUND IH 90/94

SIGN

SIGN

EXISTING R/W

CALVIN A & JEANNE C BROCKMAN

STA 938+13EB
1-18" CPRC CL IV
1-AEW FOR CP SLOPED SIDE DRAINS STEEL 6 TO 1
1-CONCRETE COLLAR REQ'D

CALVIN A & JEANNE C BROCKMAN

STA 945+13EB
1-REMOVING SMALL PIPE CULVERTS
1-AEW FOR CP SLOPED SIDE DRAINS STEEL 6 TO 1
1-CONCRETE COLLAR REQ'D

CALVIN A & JEANNE C BROCKMAN

MATCH LINE 947+50

5

5

MATCH LINE 947+50

BRUCE A & EILEEN M GUYETTE

BM-1

KAREN R OLSON

CENTRAL WIS COMMUNITY ACTION COUNCIL, INC

CENTRAL WIS COMMUNITY ACTION COUNCIL, INC

REMOVE EXISTING 12" CPCP

EXISTING R/W

STRUCTURE B-29-157

PT: 950+46.31 WB

R/W

AT&T

FRONTIER

EXISTING R/W

ALLIANT

PC: 954+37.09 WB

PCC: 958+14.59 WB

ATC

PCC: 960+20.56 WB

REMOVING STORM SEWER 12-INCH

WESTBOUND IH 90/94

948WB 950WB 952WB 954WB 956WB 958WB 960WB 962WB

REMOVING INLETS

REMOVING INLETS

REMOVING EXISTING MEDIAN ROAD

REMOVING EXISTING TEMPORARY STRUCTURE

CAUTION

REMOVING STORM SEWER 18-INCH

REMOVING STORM SEWER 15-INCH

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

REMOVING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TYPE 1

948EB 950EB 952EB 954EB 956EB 958EB 960EB 962EB

REMOVING INLETS

EASTBOUND IH 90/94

REMOVING INLETS

STA 948+51EB CABLE BARRIER END TERMINAL TYPE 1 LENGTH OF NEED

STA 954+29EB CABLE BARRIER END TERMINAL TYPE 1 LENGTH OF NEED

ABANDON CULVERT PIPES

PC: 957+44.74 EB

REMOVING STORM SEWER 15-INCH

EXISTING R/W

EXISTING R/W

BM-2

EXISTING STRUCTURE B-29-036 (REHAB)

ATC

CALVIN A & JEANNE C BROCKMAN

CTH G

CITY OF MAUSTON

CITY OF MAUSTON

DOROTHY L PEACH

DOROTHY BUGENHAGEN

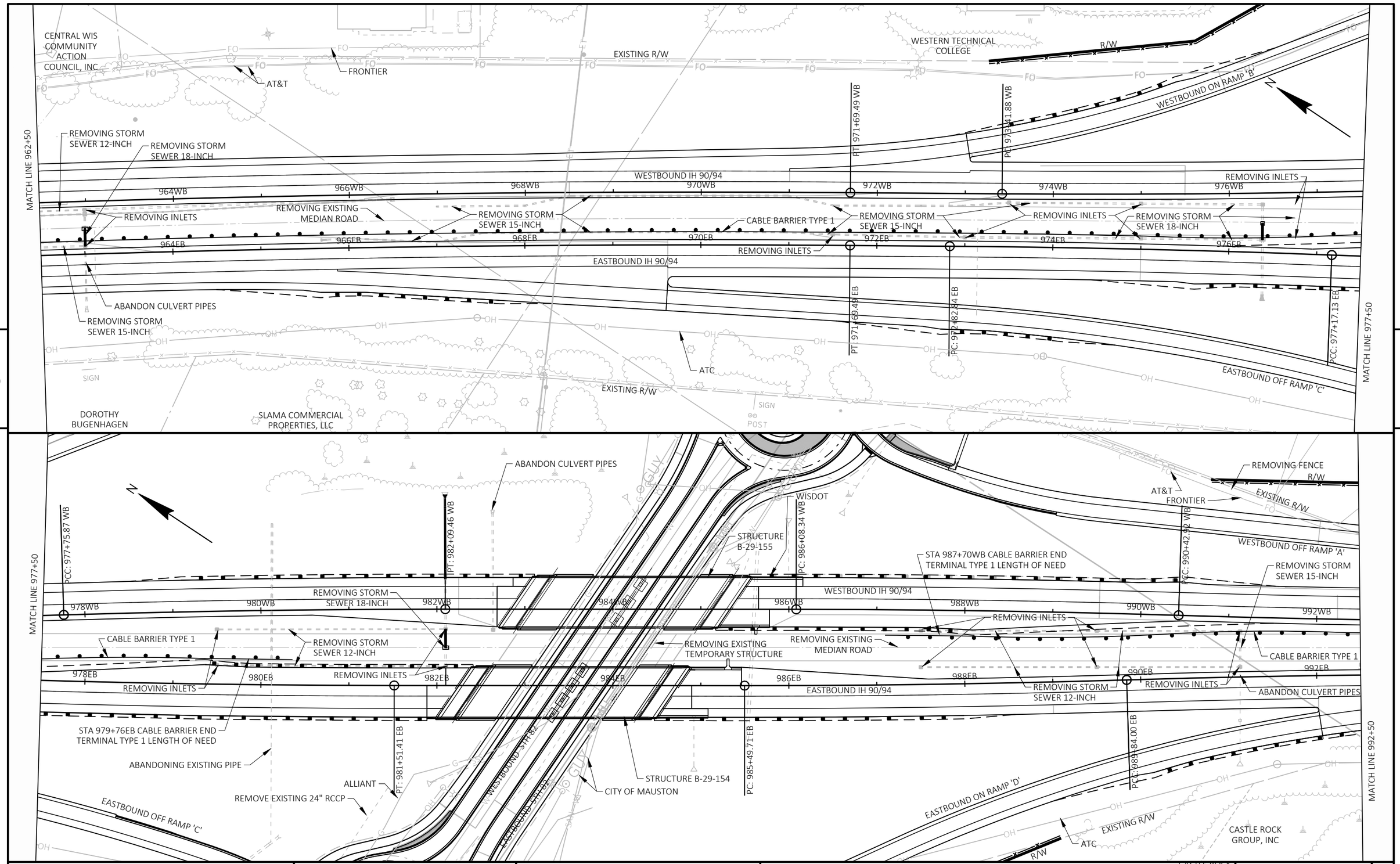
MATCH LINE 962+50

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN - STAGE 4	SHEET 585	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050201-PN.DWG
LAYOUT NAME - 050201-pn

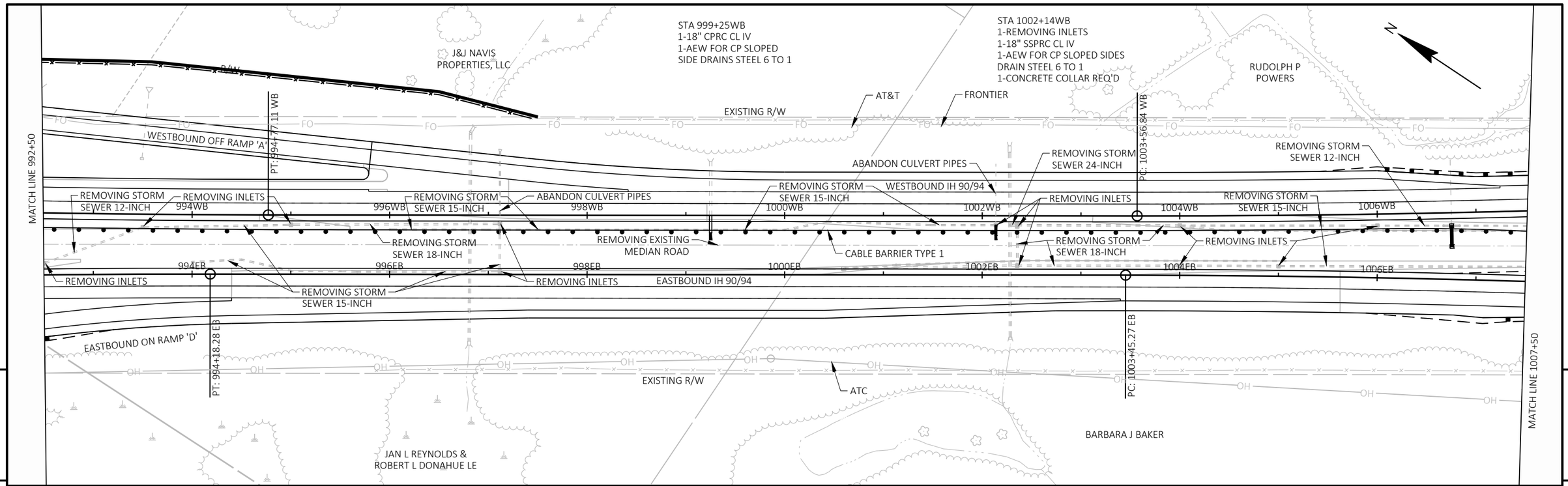
PLOT DATE : 10/28/2021 4:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



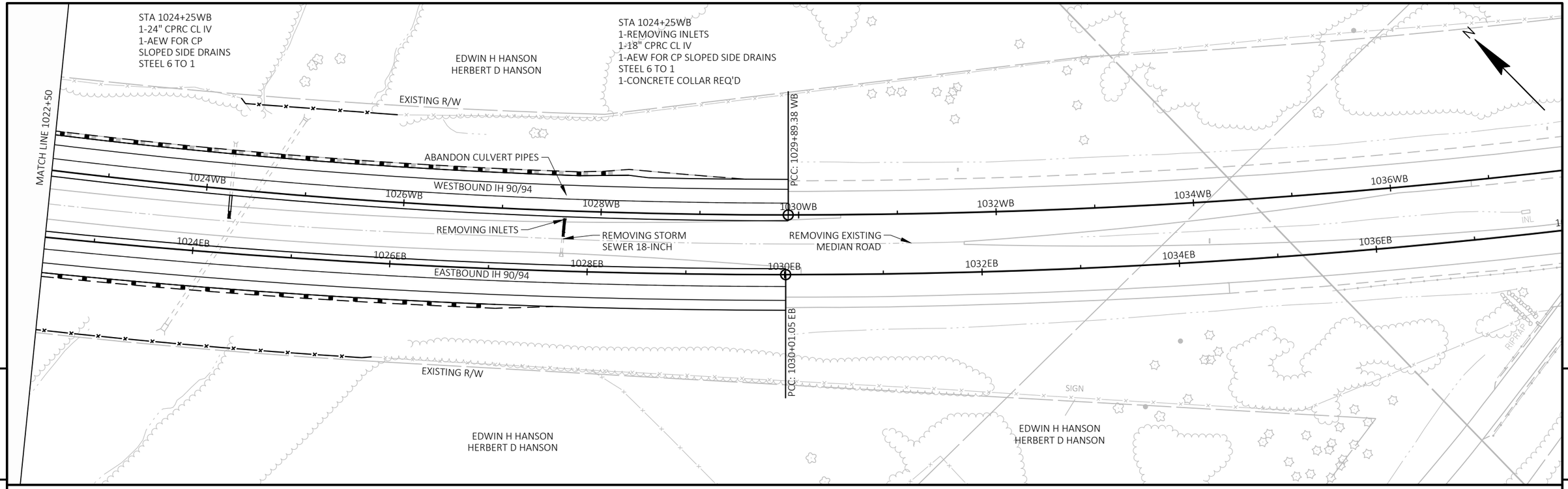
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN - STAGE 4	SHEET 586	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050201-PN.DWG
LAYOUT NAME - 050202-pn
PLOT DATE : 10/28/2021 4:08 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
3	1014+56.2EB, 54.1' RT	RAILROAD SPIKE IN 14" TREE, 55' W OF SB I90 ℄	865.69
4	1012+83.5WB, 79.9' LT	RAILROAD SPIKE IN 18" TREE, 81' NE OF NB I90 ℄	864.48

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN - STAGE 4	SHEET 587	E



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PLAN - STAGE 4	SHEET 588	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\050201-PN.DWG
LAYOUT NAME - 050204-pn

PLOT DATE : 10/28/2021 4:09 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D02-07A	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D02-07B	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D02-07C	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D03-08A	CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES
08D03-08B	CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D14-01	SLOTTED VANE DRAIN
08D16-11	CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES
08D17-06	MANHOLES, MANHOLE & INLET COVERS
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-02	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09D05-02	L30 LIGHTING CONTROL CABINET 240/480 VOLT
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G02-05A	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-05B	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-05C	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
11A01-06	MAINTENANCE CROSSOVER FOR FREEWAYS
11B01-05	CONCRETE CORRUGATED MEDIAN
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A03-06	CONCRETE PAVEMENT SHOULDERS
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING

6

Standard Detail Drawing List

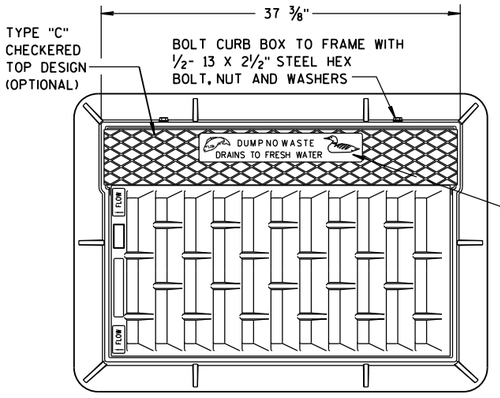
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13B02-09B	STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-12A	RURAL DOWELED CONCRETE PAVEMENT
13C11-12B	RURAL DOWELED CONCRETE PAVEMENT
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C17-01A	CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI
13C17-01B	CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C18-07G	CONCRETE PAVEMENT JOINTING ACCELERATION/DECELERATION LANE
13C19-03	HMA LONGITUDINAL JOINTS
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-03A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B52-02A	CABLE BARRIER TYPE 1 LAYOUT
14B52-02B	CABLE BARRIER TYPE 1 LAYOUT
14B52-02C	CABLE BARRIER TYPE 1 LAYOUT
15A01-13A	MARKER POST FOR RIGHT-OF-WAY
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-06A	PERMANENT FLEXIBLE DELINEATOR POST
15A04-06B	DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A04-06C	DELINEATOR POST WITH REFLECTIVE SHEETING
15A04-06D	DELINEATOR POST WITH REFLECTIVE SHEETING
15B01-08A	FENCE WOVEN WIRE

6

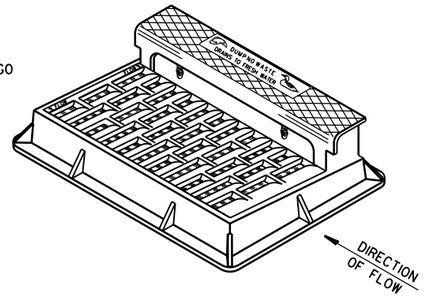
Standard Detail Drawing List

15B01-08B	FENCE WOVEN WIRE
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-08D	ON RAMP LANE CLOSURE
15C02-08E	OFF RAMP LANE CLOSURE
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDABOUT ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-09A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-05C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-06C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C20-02	YIELD MARKING
15C21-10	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C31-04A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15C31-04C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D04-01	TRAFFIC CONTROL, RAMP CONSTRUCTION STAGING
15D07-04	TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER
15D08-07	TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER
15D12-09B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D12-09D	TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D33-06	TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS
15D35-03A	RAMP GATE HARD WIRED
15D35-03B	RAMP GATE HARD WIRED
15D35-03C	RAMP GATE HARD WIRED
15D37-03	TRAFFIC CONTROL, 2-LANE ROUNDABOUT
15D40-02D	TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D41-01	TRAFFIC CONTROL, MULTIPLE LANE SHIFT, MULTILANE DIVIDED ROAD
15D47-01A	TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER
15D47-01B	TRAFFIC CONTROL, INGRESS/EGRESS WITHOUT BARRIER

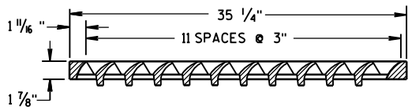
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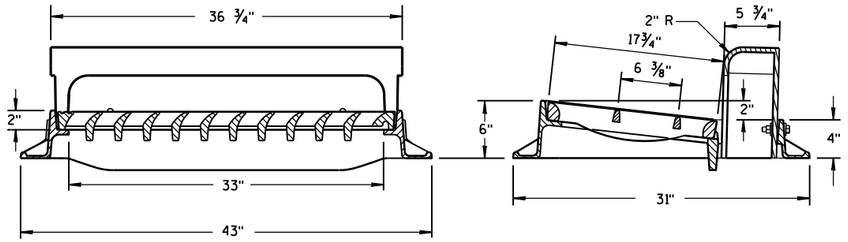


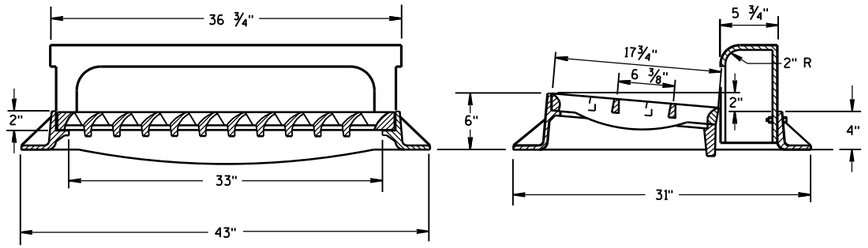
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

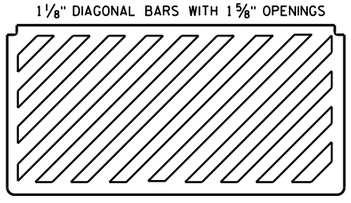






TYPE "H"

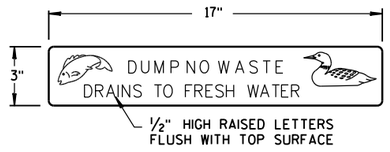
NOTE: EITHER CASTING IS ACCEPTABLE



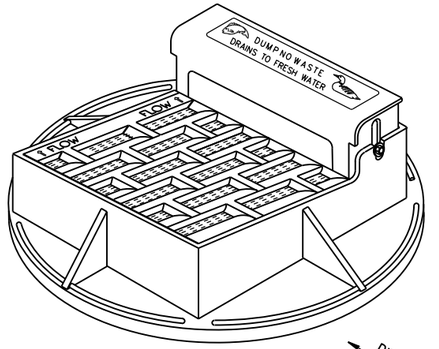
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

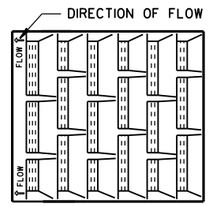
NOTE:
GRATE IS REVERSIBLE.

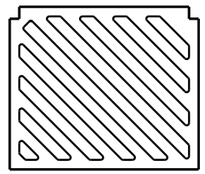
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

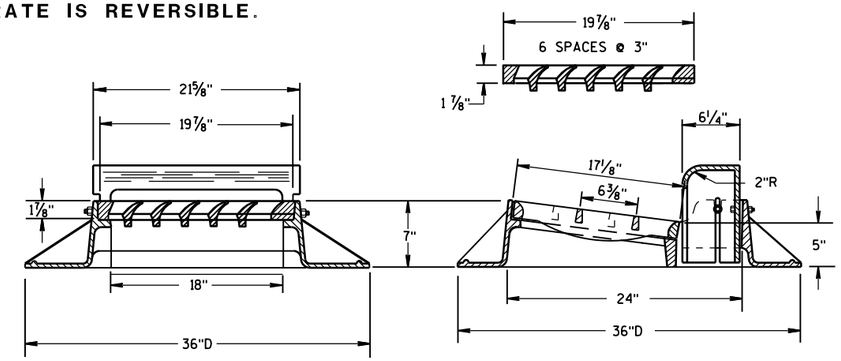




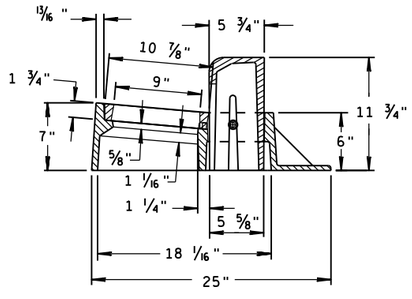
SPECIAL GRATE FOR TYPE "A" COVER

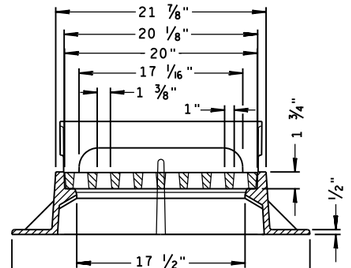
(MEASURES 19 3/4" X 17" X 1 7/8")

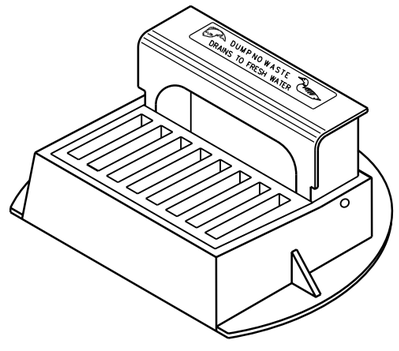
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

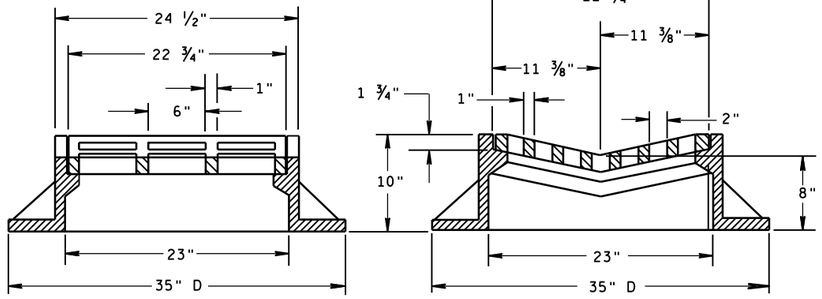
INLET COVERS
TYPE A, H, A-S, H-S & Z

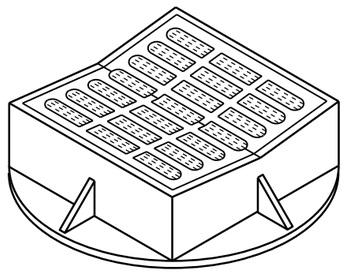
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

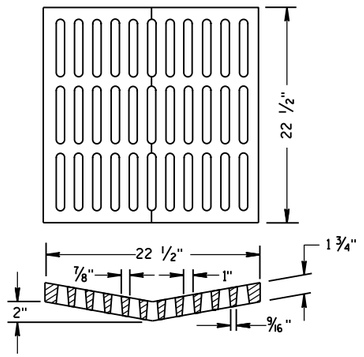
6

S.D.D. 8 A 5-19a



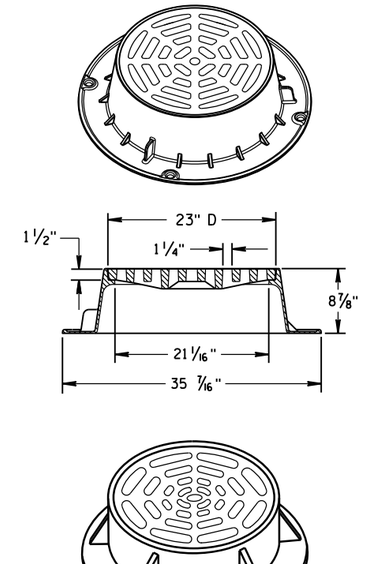


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

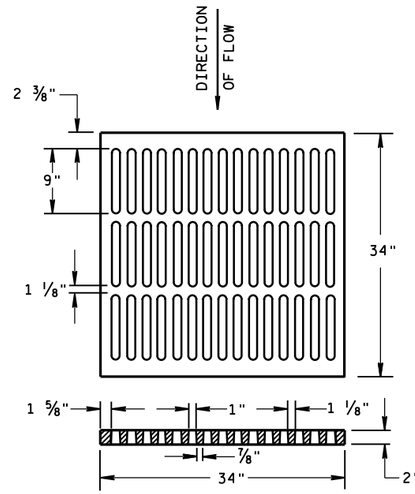
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

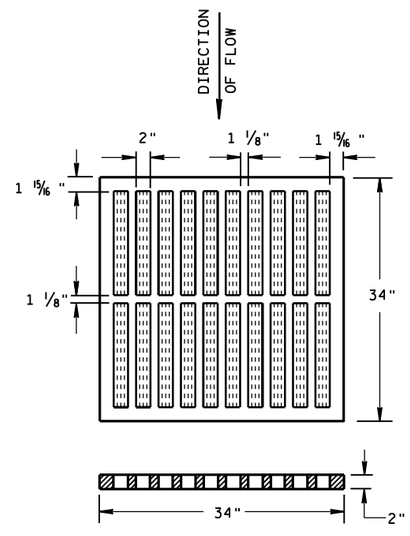
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



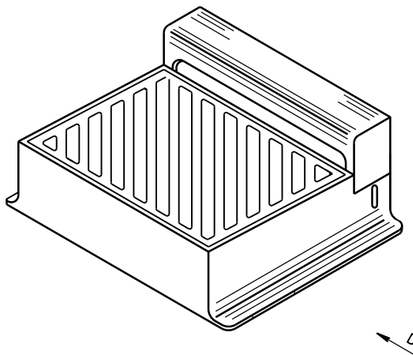
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

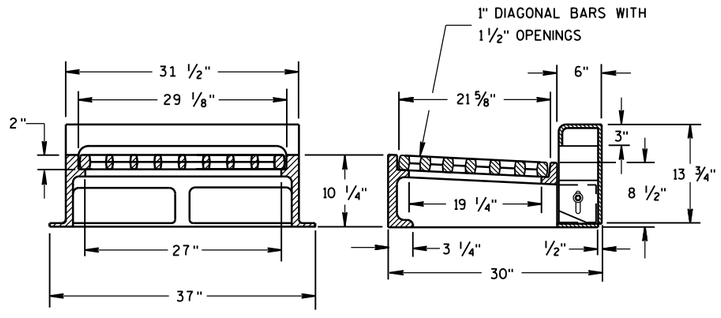


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

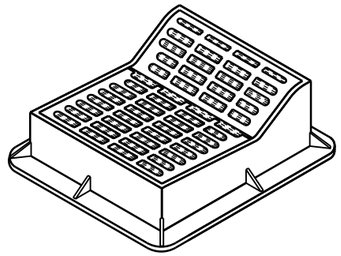
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

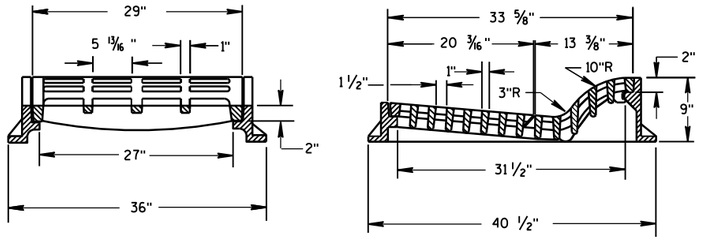
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

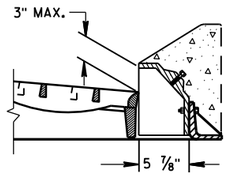
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

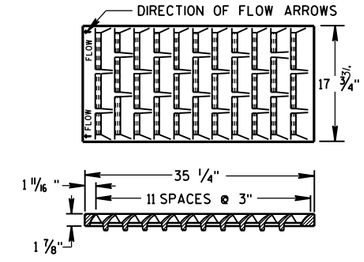
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

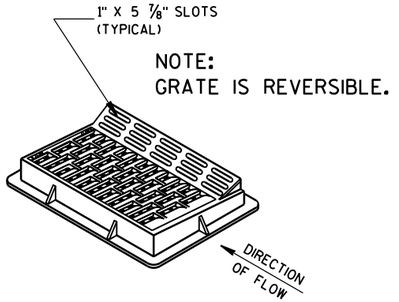
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

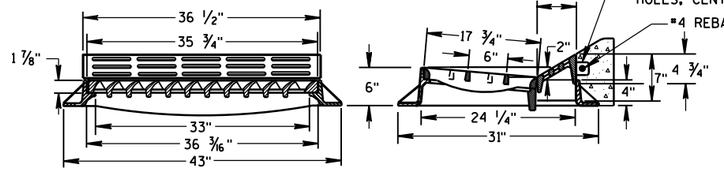
GENERAL NOTES

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DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



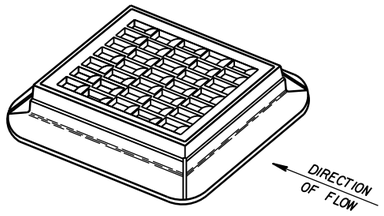


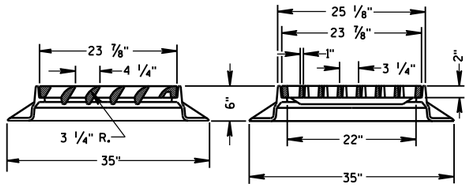


TYPE "HM"

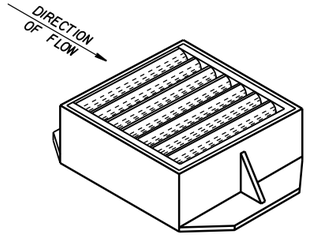
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

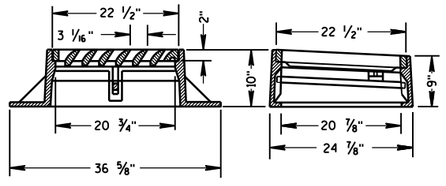
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



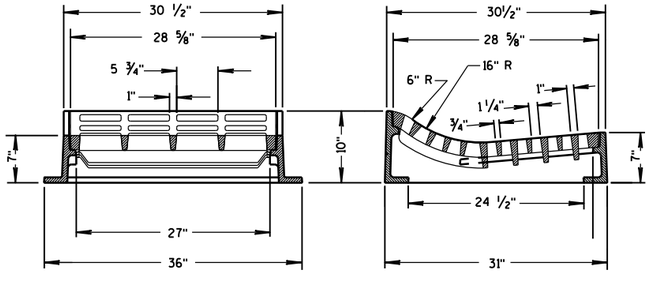


TYPE "S"



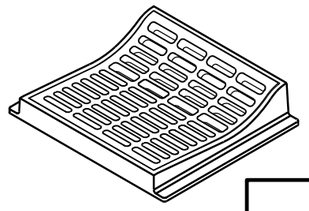


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

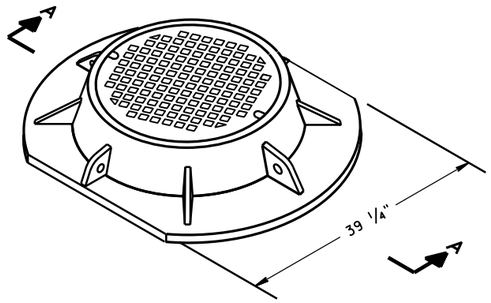
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

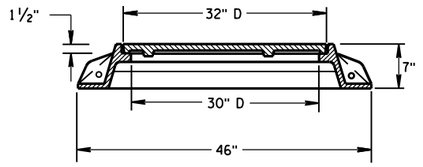
APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

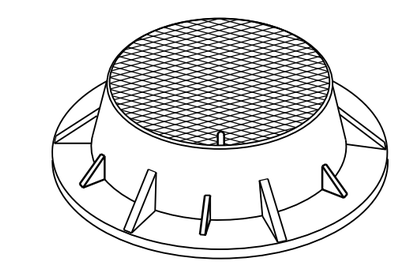
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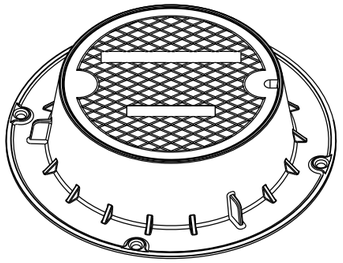
6
S.D.D. 8 A 5-19c

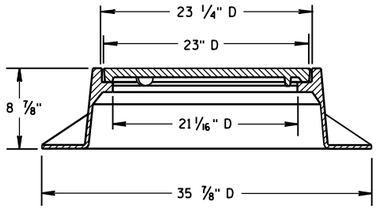


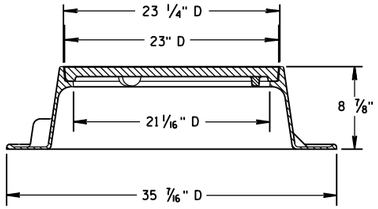


SECTION A-A
TYPE "K"









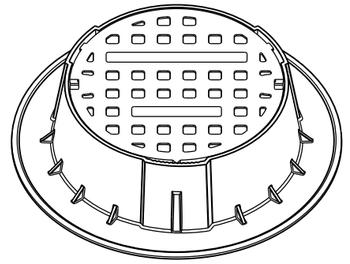
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

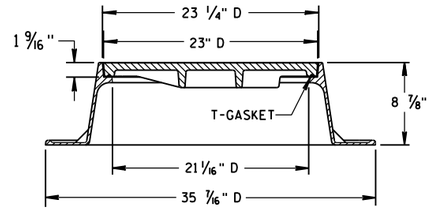
GENERAL NOTES

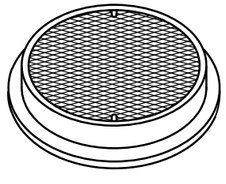
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

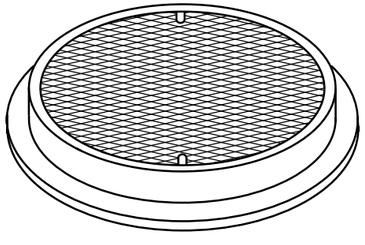
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

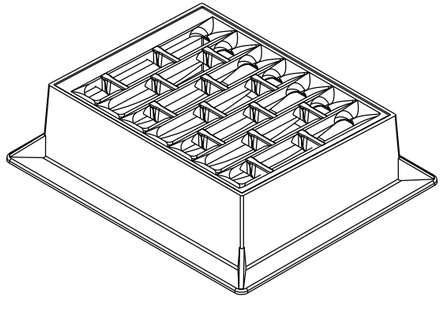
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

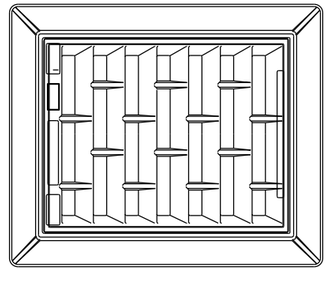


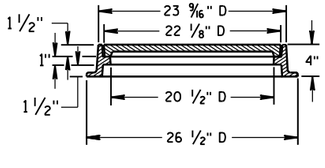




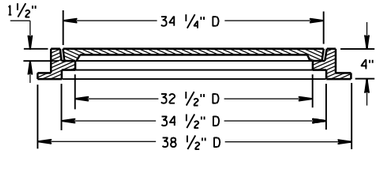




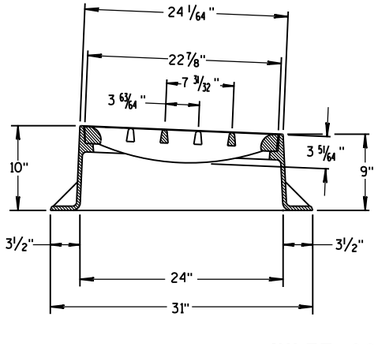


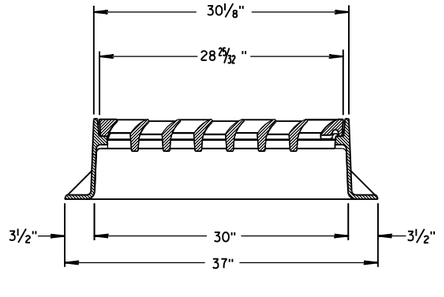


TYPE "L"

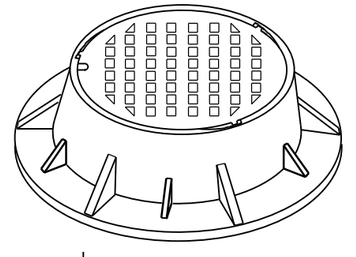


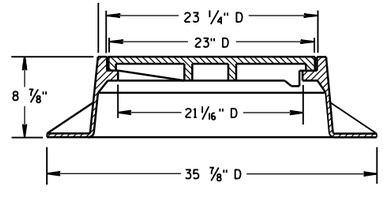
TYPE "M"





INLET COVER TYPE "BW"





TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE

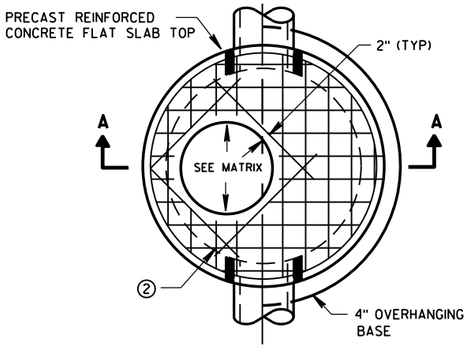
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

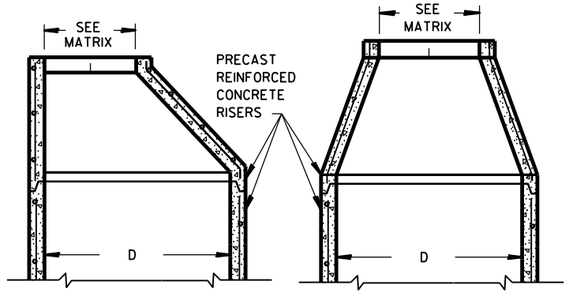
APPROVED
11/27/2013
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS D 595 NT
ENGINEER

6
S.D.D. 8 A 5-19d

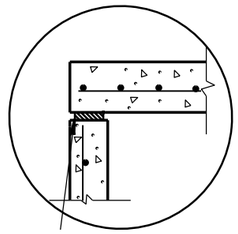


PLAN VIEW CIRCULAR OPENING

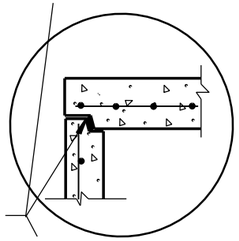


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

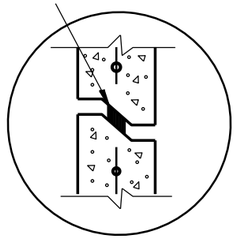


TOP WITH PLAIN END JOINT



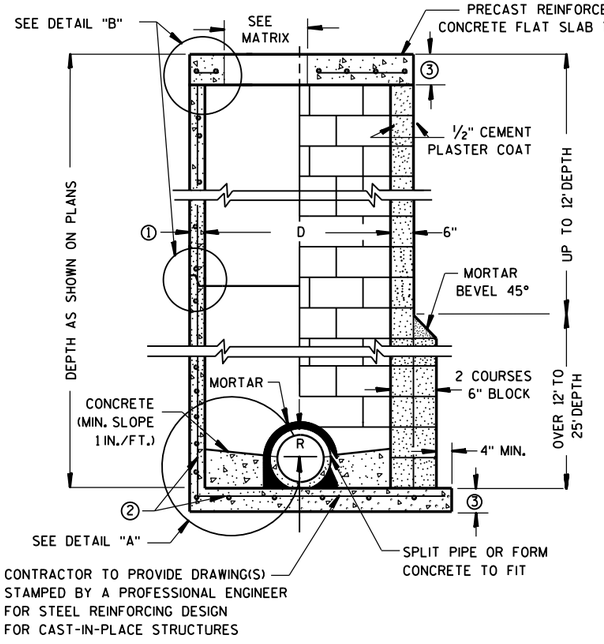
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



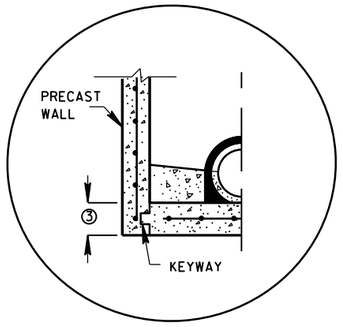
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

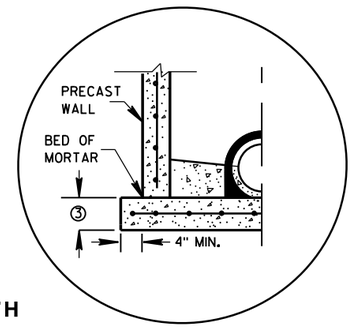


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

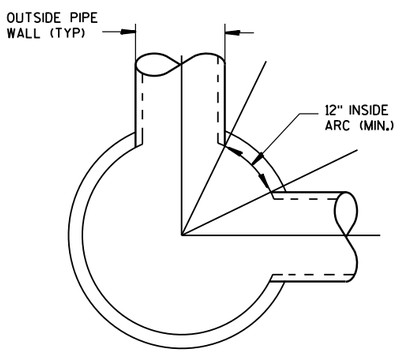


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

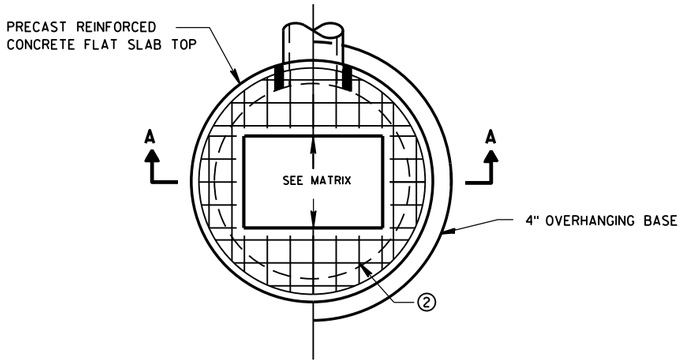
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

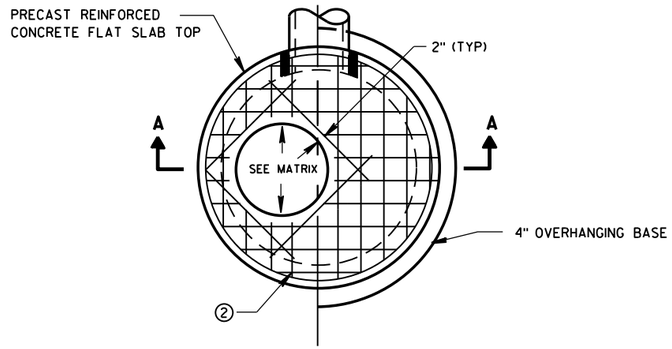
APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERV
FHWA

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

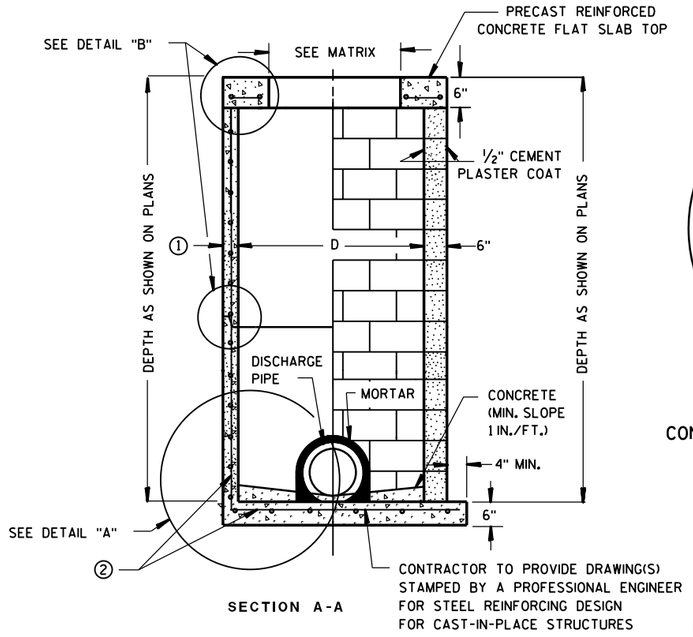
6
S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

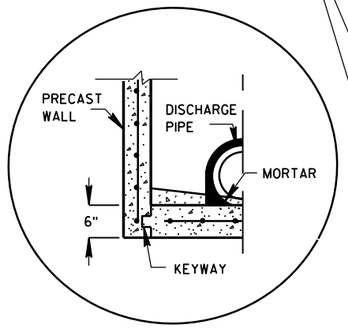


SECTION A-A

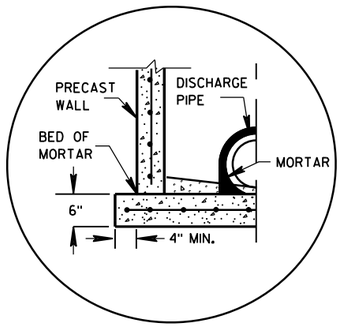
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

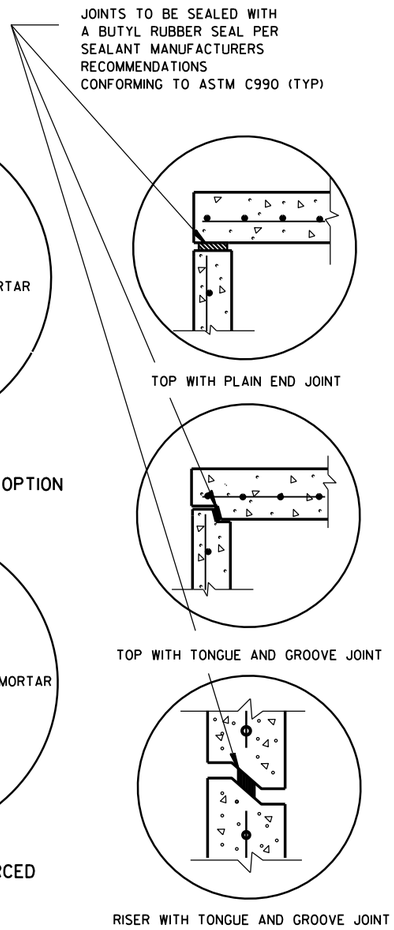


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

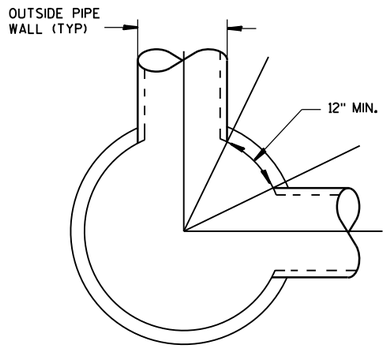
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

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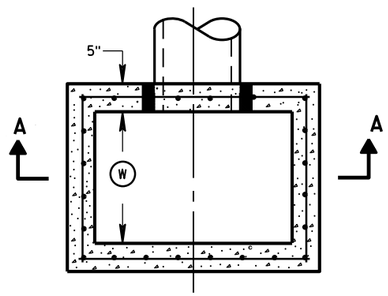
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S.D.D. 8 C 6-2

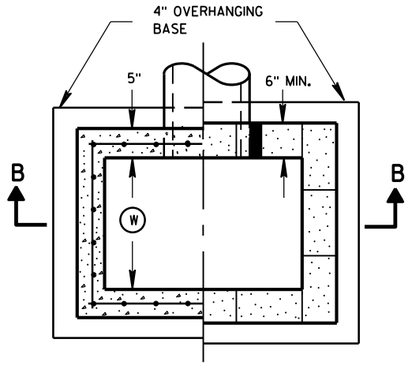
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S.D.D. 8 C 6-2

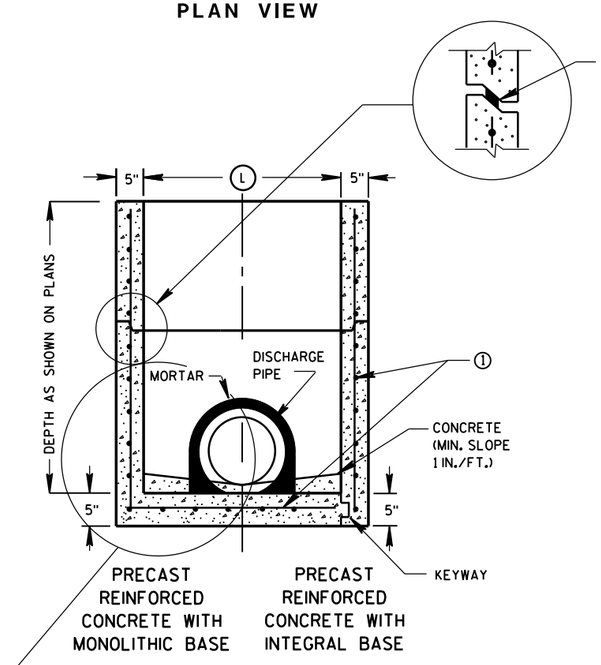
INLETS 3-FT AND 4-FT DIAMETER



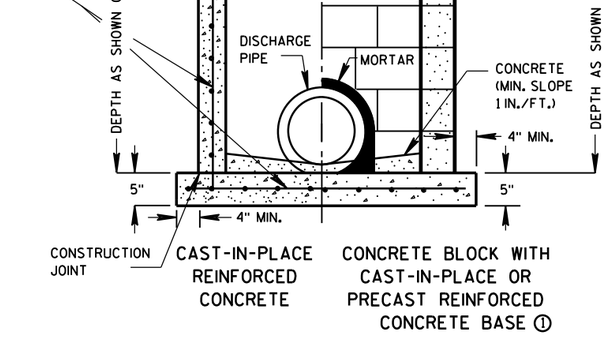
PLAN VIEW



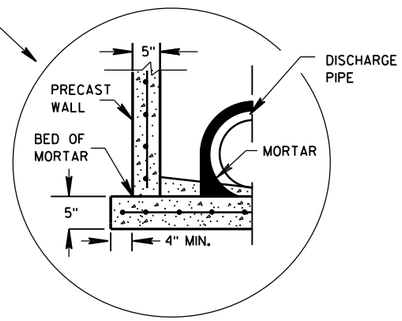
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

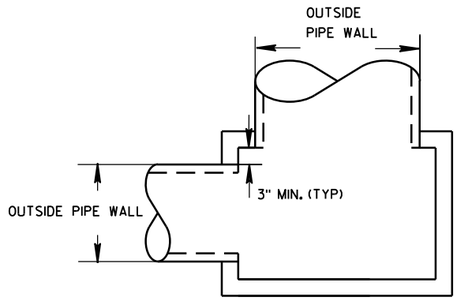
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH Ⓦ (FT)	LENGTH Ⓛ (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



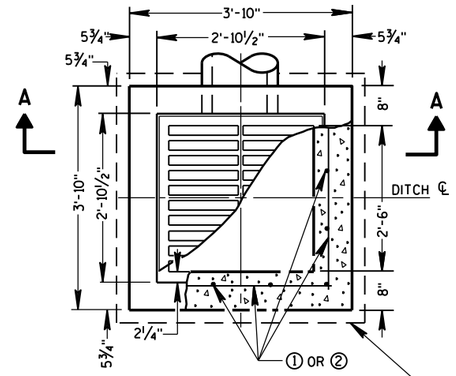
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

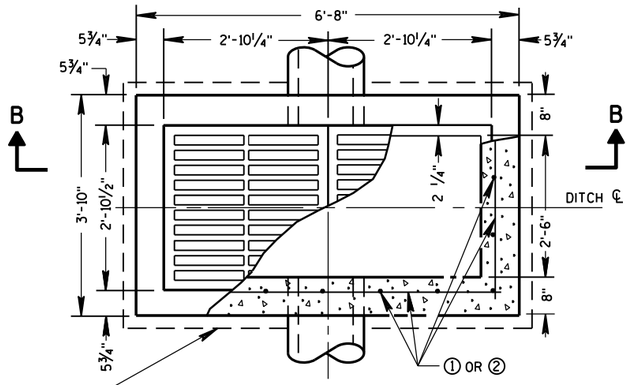
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INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

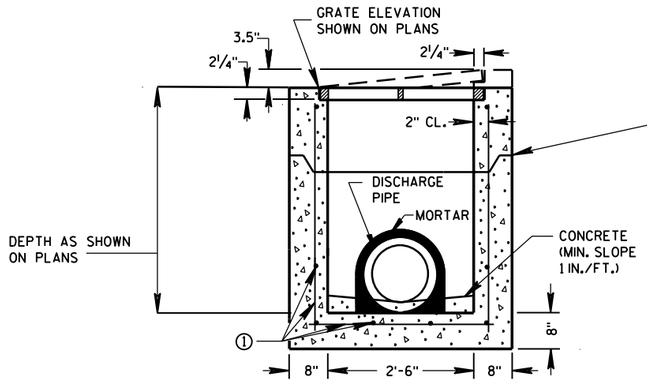


PLAN VIEW

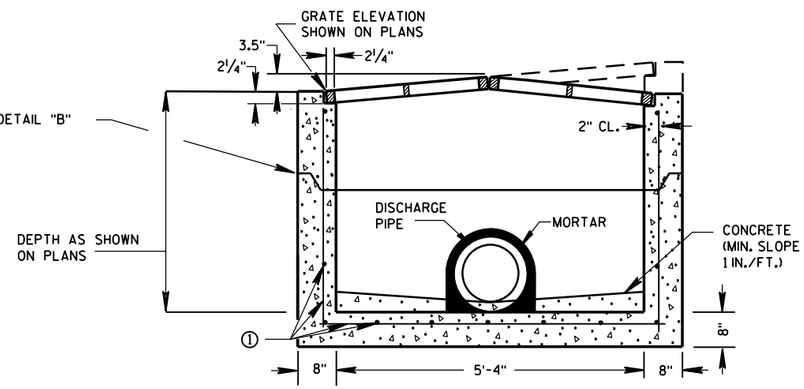


PLAN VIEW

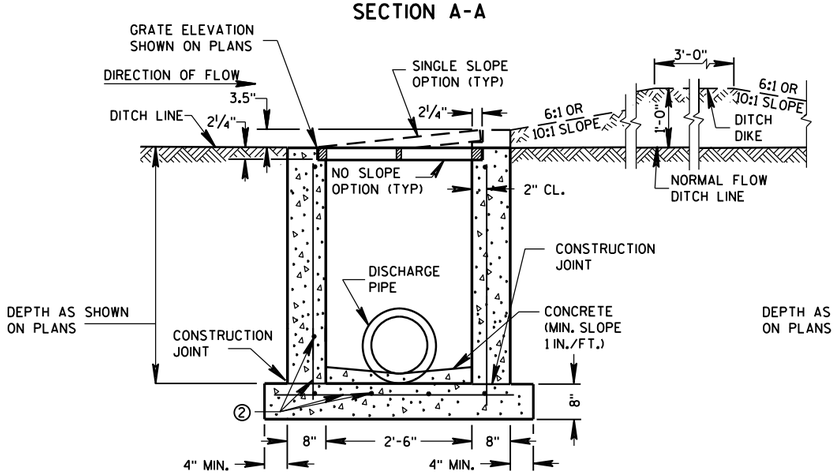
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



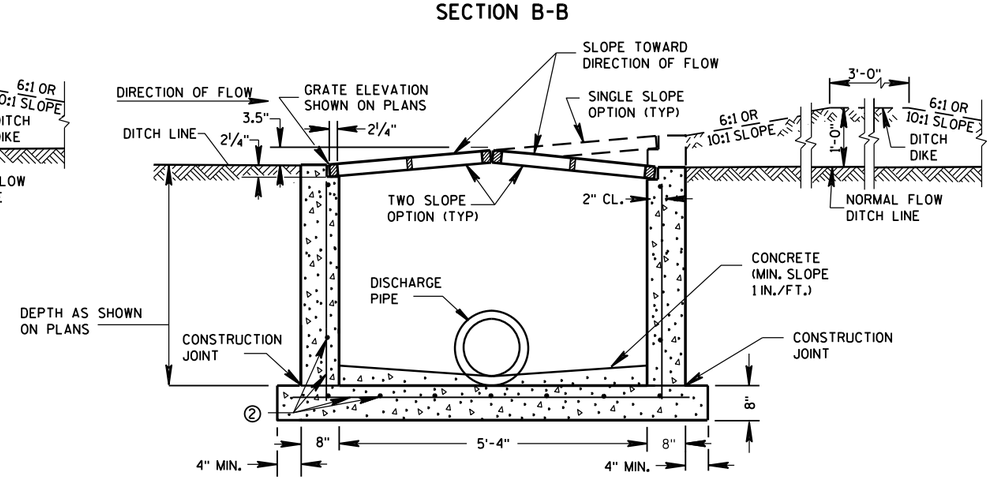
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

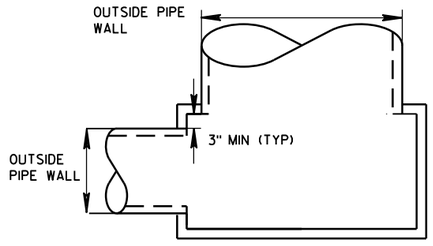
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

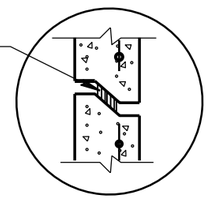
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



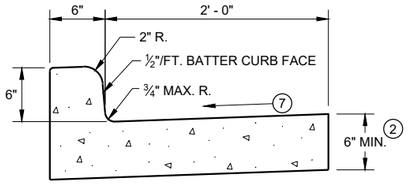
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

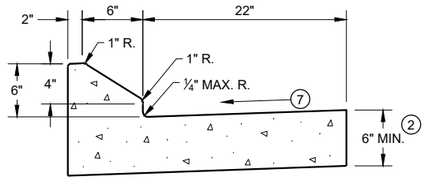
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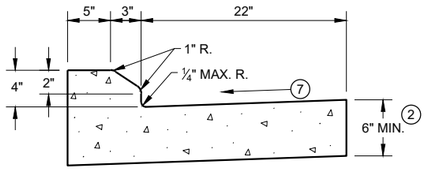
6
S.D.D. 8 C 8-2



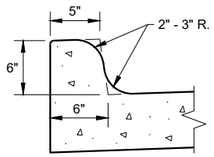
TYPES A (1) & D



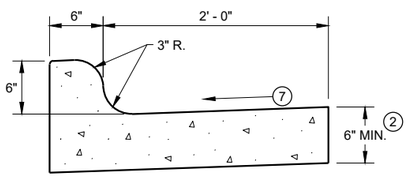
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

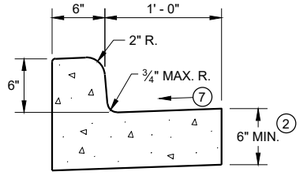


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



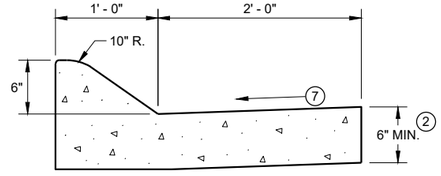
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

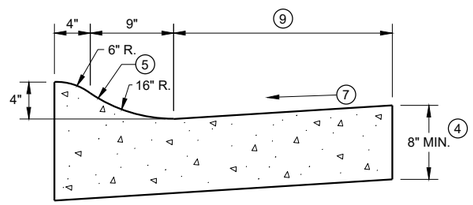
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

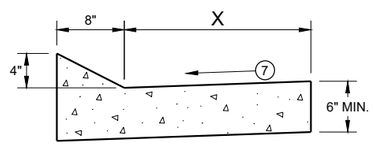
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

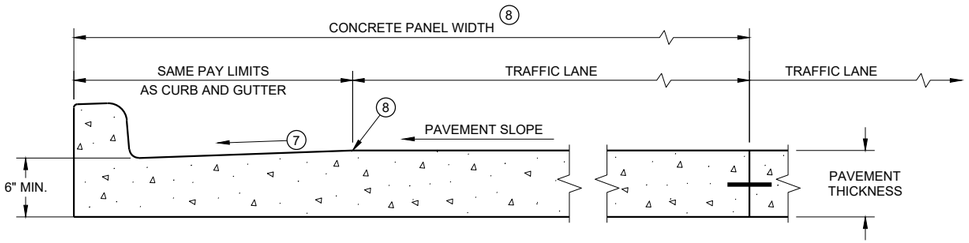


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

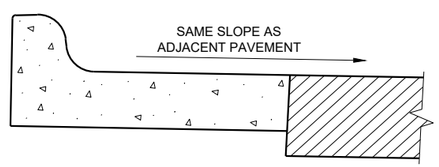
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

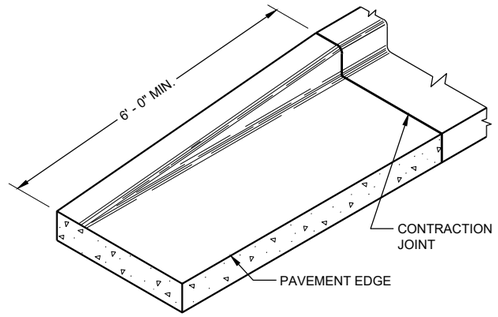
(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

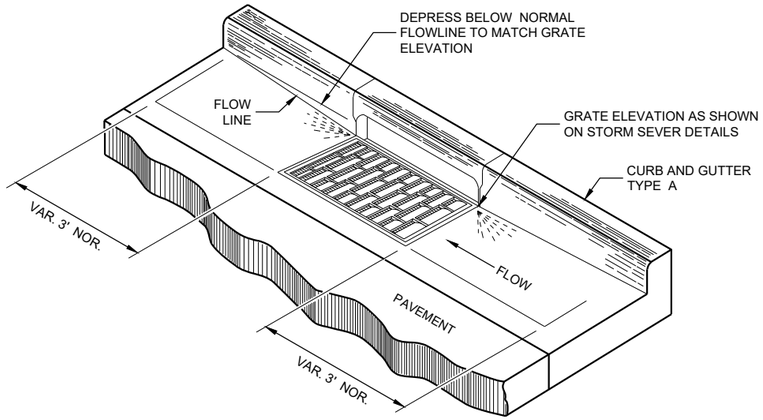
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

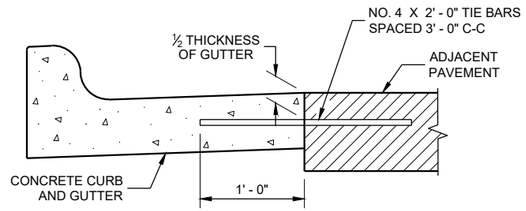
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

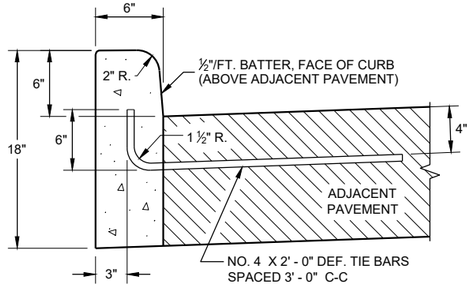
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

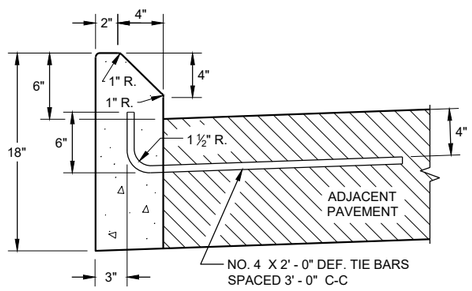
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

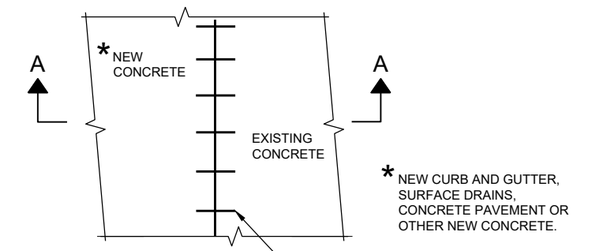


TYPES A (1) & D

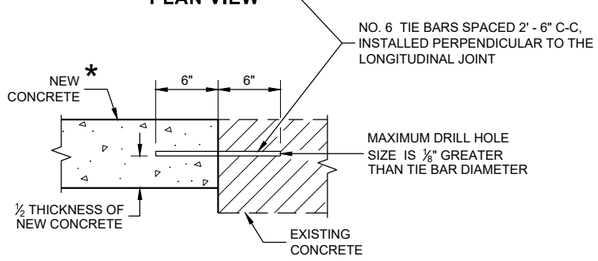


TYPES G (1) & J

CONCRETE CURB

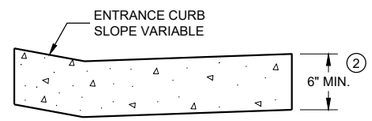


PLAN VIEW



SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

601

6

SDD08D01 - 22b

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE FLUME BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

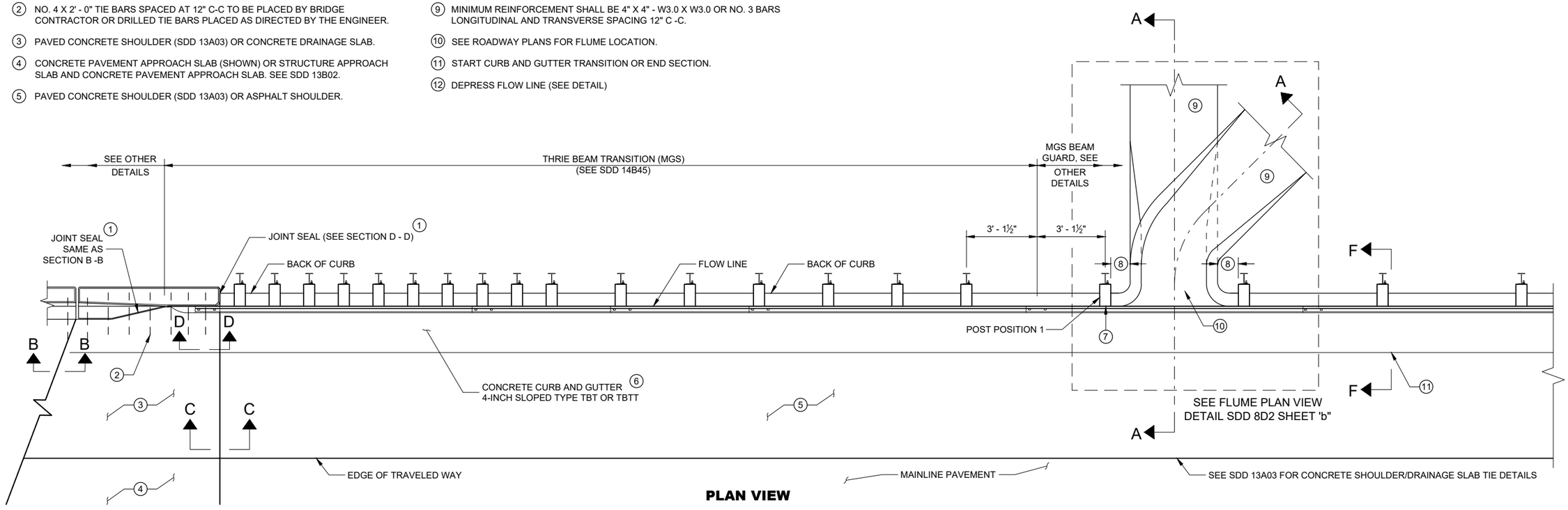
(8) CENTER FLUME BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE EDGE OF FLUME TO POSTS.

(9) MINIMUM REINFORCEMENT SHALL BE 4" X 4" - W3.0 X W3.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C -C.

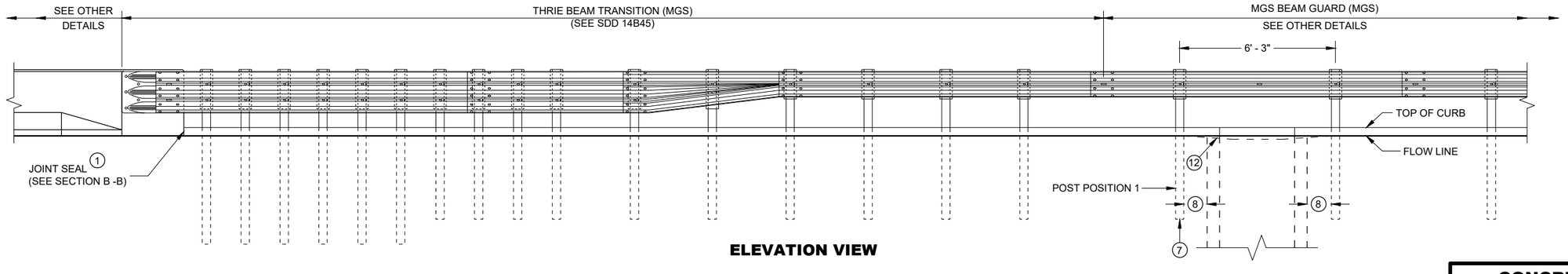
(10) SEE ROADWAY PLANS FOR FLUME LOCATION.

(11) START CURB AND GUTTER TRANSITION OR END SECTION.

(12) DEPRESS FLOW LINE (SEE DETAIL)



PLAN VIEW



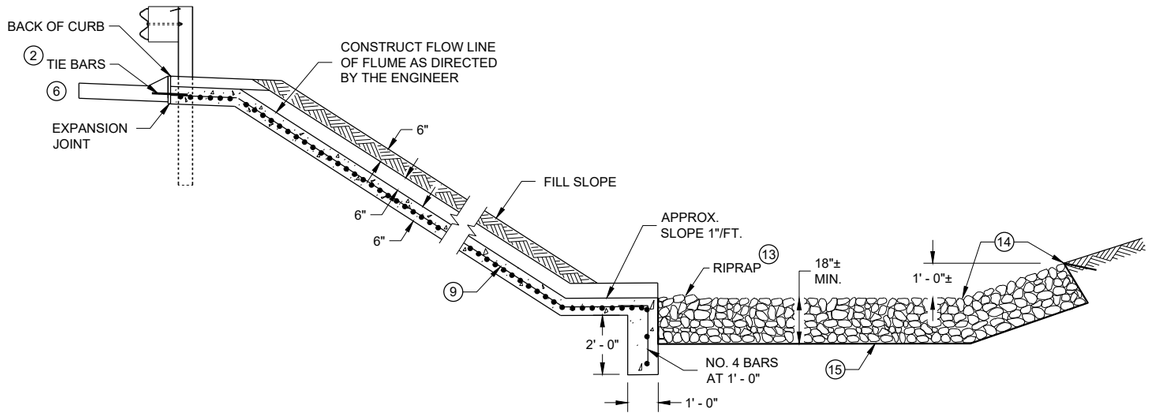
ELEVATION VIEW

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

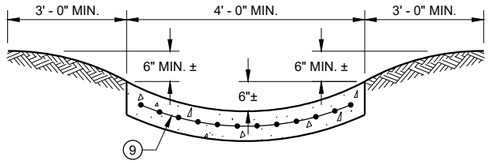
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

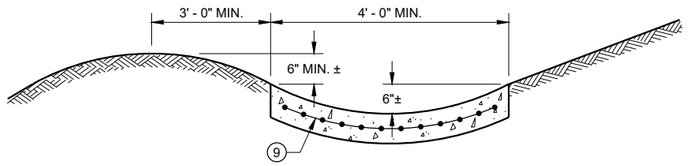
SDD 08D02 - 07a



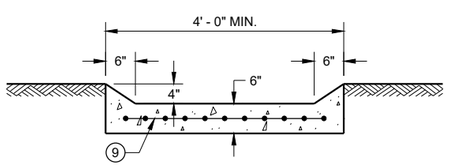
SECTION A - A



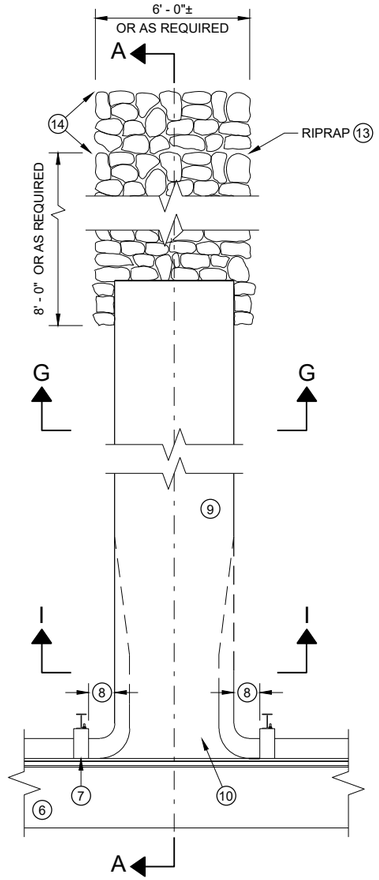
SECTION G - G



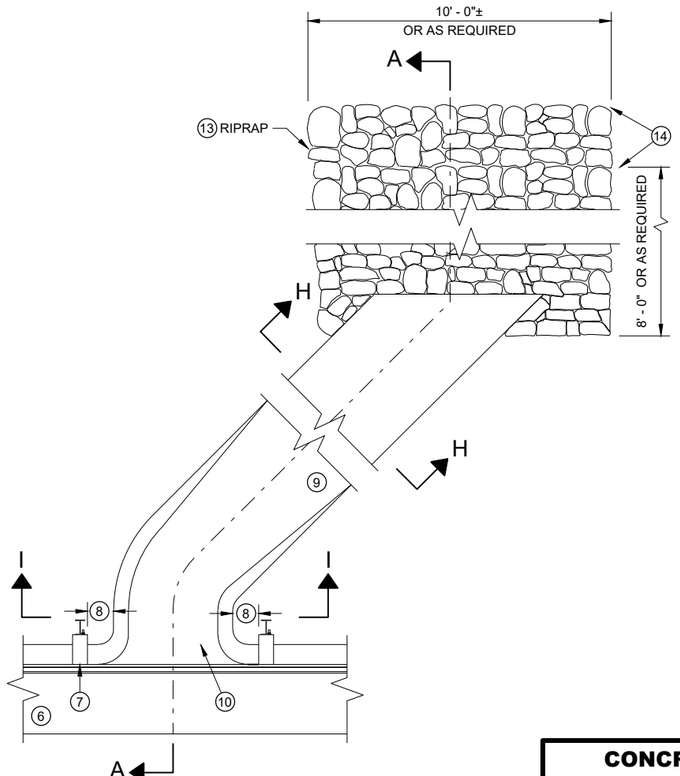
SECTION H - H



SECTION I - I



PLAN VIEW PERPENDICULAR FLUME



PLAN VIEW SKEWED FLUME

GENERAL NOTES

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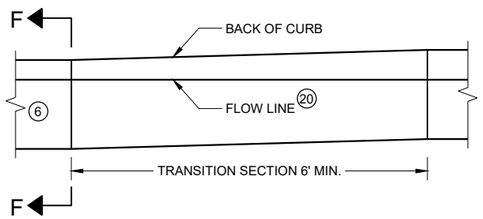
1. USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.
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6. CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.
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8. CENTER FLUME BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE EDGE OF FLUME TO POSTS.
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10. SEE ROADWAY PLANS FOR FLUME LOCATION.
11. START CURB AND GUTTER TRANSITION OR END SECTION.
12. DEPRESS FLOW LINE (SEE DETAIL)
13. MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.
14. LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH AS REQUIRED.
15. GEOTEXTILE FABRIC TYPE HR.

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

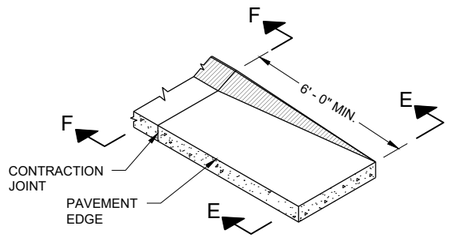
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

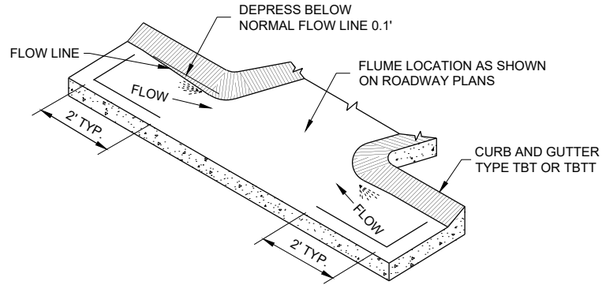
SDD 08D02 - 07b
SDD 08D02 - 07b



CURB AND GUTTER TRANSITION SECTION
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



CURB AND GUTTER END SECTION
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



CURB AND GUTTER FLOW LINE DEPRESSION AT FLUMES CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT

GENERAL NOTES

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(11) START CURB AND GUTTER TRANSITION OR END SECTION.

(12) DEPRESS FLOW LINE (SEE DETAIL)

(13) MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.

(14) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

(15) GEOTEXTILE FABRIC TYPE HR.

(16) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C - C.

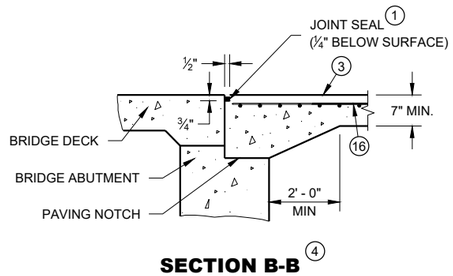
(17) MSG THRIE BEAM TRANSITION POST 1. SEE SDD 14B45 FOR ADDITIONAL CONSTRUCTION DETAILS AND ACCEPTABLE MATERIALS.

(18) MAINTAIN WIDTH, THICKNESS AND CROSS SLOPE OF ADJACENT TYPE TBT OR TBTT CURB. SEE NOTE 6 FOR TIE BAR SPACING.

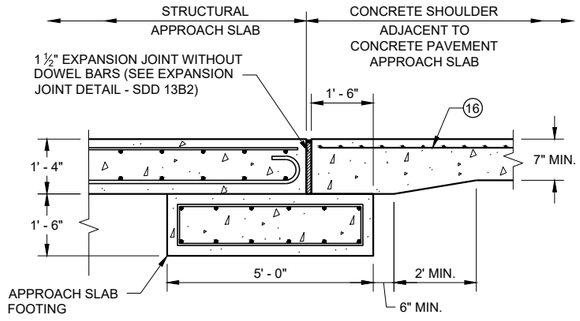
(19) ALIGN FACE OF POST BLOCK WITH FLOW LINE.

(20) MAINTAIN FLOW LINE AT EDGE OF PAVEMENT/FACE OF BEAM GUARD AS APPLICABLE.

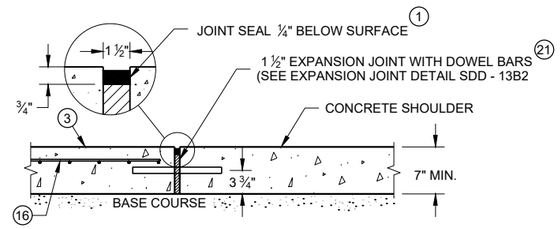
(21) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING HMA PAVEMENTS.



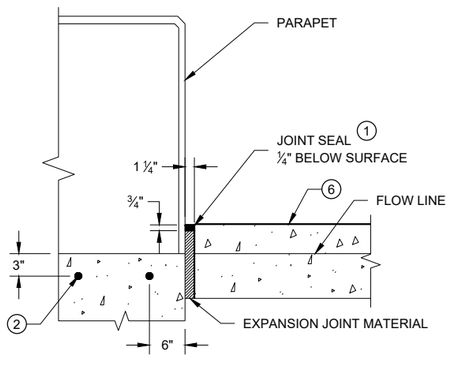
SECTION B-B



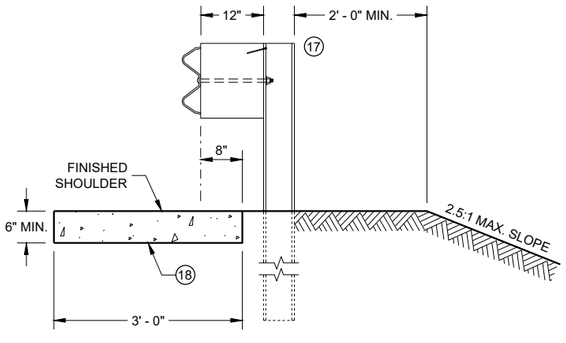
SECTION C - C
JOINT DETAIL FOR BRIDGE WITH STRUCTURAL APPROACH SLAB AND CONCRETE APPROACH SLAB



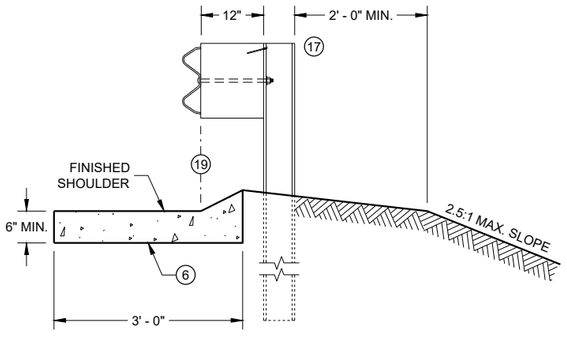
SECTION C - C
JOINT DETAIL FOR BRIDGE APPROACH WITH CONCRETE SHOULDERS



SECTION D - D



SECTION E - E



SECTION F - F

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

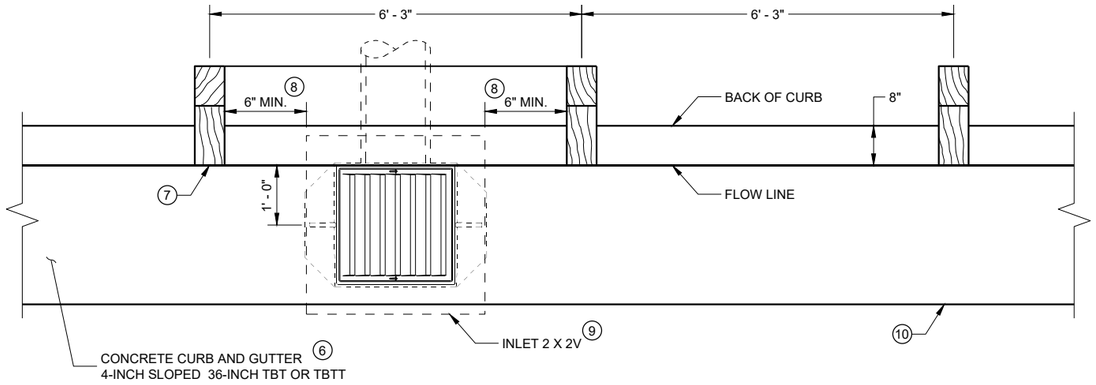
FHWA

SDD 08D02 - 07c

SDD 08D02 - 07c

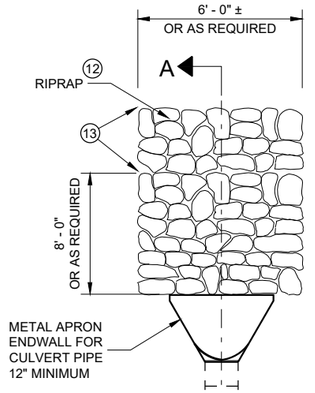
6

6



INLET PLAN VIEW

(NOTE: RAIL NOT SHOWN FOR CLARITY)



GENERAL NOTES

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(7) PLACE DRAINAGE STRUCTURE BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

(8) CENTER DRAINAGE STRUCTURE BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE WALL OF DRAINAGE STRUCTURE TO POSTS.

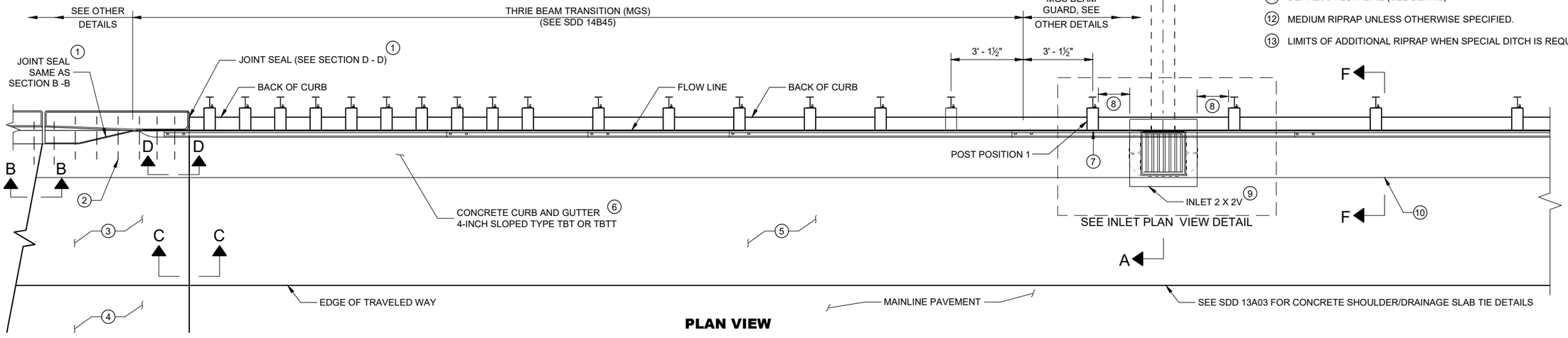
(9) SEE SDD 08A05 AND 08C07 FOR DETAILS. SEE ROADWAY PLANS FOR LOCATION.

(10) START CURB AND GUTTER TRANSITION OR END SECTION.

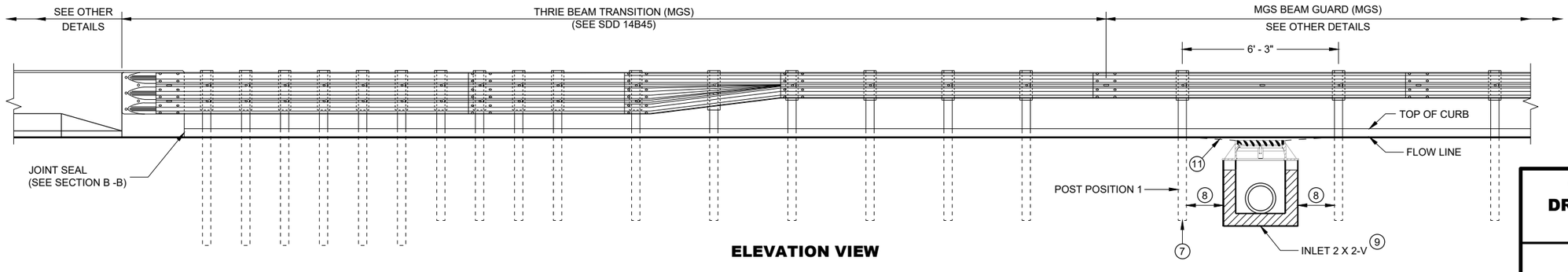
(11) DEPRESS FLOW LINE (SEE DETAIL)

(12) MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.

(13) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.



PLAN VIEW



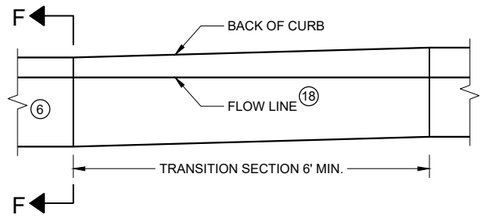
ELEVATION VIEW

CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

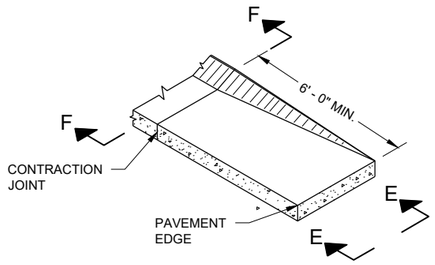
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

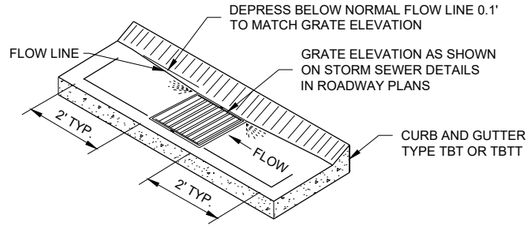
SDD 08D03 - 08a



CURB AND GUTTER TRANSITION SECTION CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



CURB AND GUTTER END SECTION CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



CURB AND GUTTER FLOW LINE DEPRESSION AT INLETS CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT

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(9) SEE SDD 08A05 AND 08C07 FOR DETAILS. SEE ROADWAY PLANS FOR LOCATION.

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(13) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

(14) GEOTEXTILE FABRIC TYPE HR.

(15) MSG THRIE BEAM TRANSITION POST 1. SEE SDD 14B45 FOR ADDITIONAL CONSTRUCTION DETAILS AND ACCEPTABLE MATERIALS.

(16) MAINTAIN WIDTH, THICKNESS AND CROSS SLOPE OF ADJACENT TYPE TBT OR TBTT CURB. SEE NOTE 6 FOR TIE BAR SPACING.

(17) ALIGN FACE OF POST BLOCK WITH FLOW LINE.

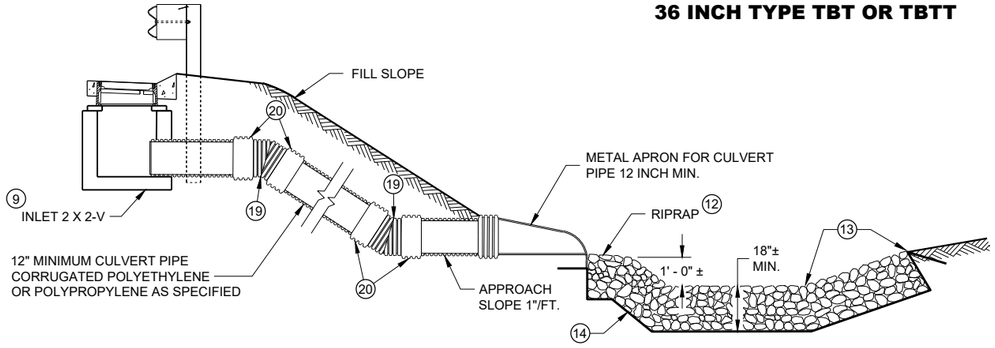
(18) MAINTAIN FLOW LINE AT EDGE OF PAVEMENT/FACE OF BEAM GUARD AS APPLICABLE.

(19) MANUFACTURER SUPPLIED BEND.

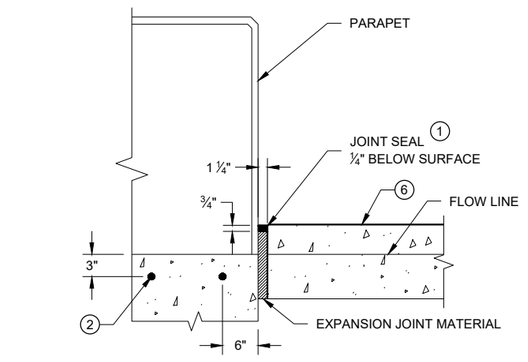
(20) MANUFACTURER SUPPLIED EXTERNAL MECHANICAL COUPLING OR A MANUFACTURER RECOMMENDED COUPLING WITH A MASTIC IMPREGNATED GEOTEXTILE WRAP AND MECHANICAL FASTENING BANDS.

(21) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C - C.

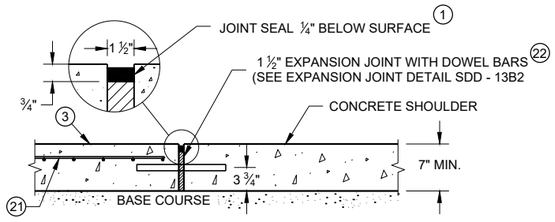
(22) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING HMA PAVEMENTS.



SECTION A - A

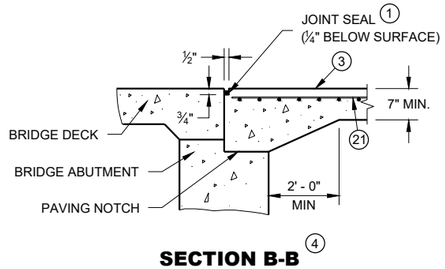


SECTION D - D

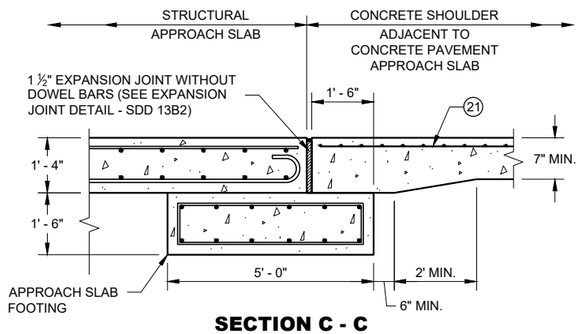


SECTION C - C

JOINT DETAIL FOR BRIDGE APPROACH WITH CONCRETE SHOULDERS

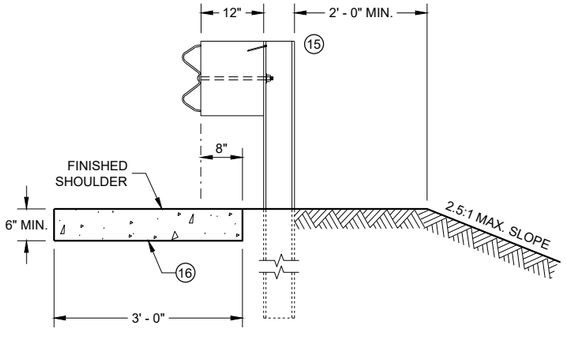


SECTION B-B 4

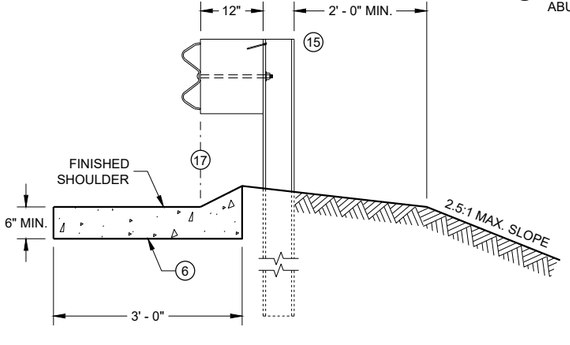


SECTION C - C

JOINT DETAIL FOR BRIDGE WITH STRUCTURAL APPROACH SLAB AND CONCRETE APPROACH SLAB



SECTION E - E



SECTION F - F

CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

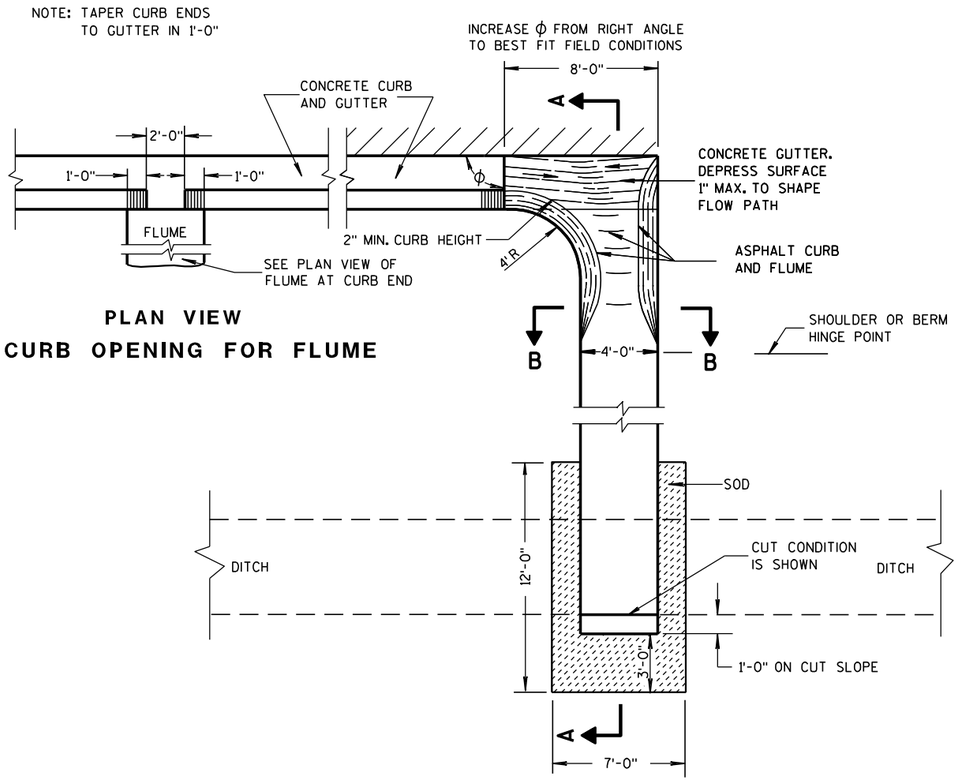
APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

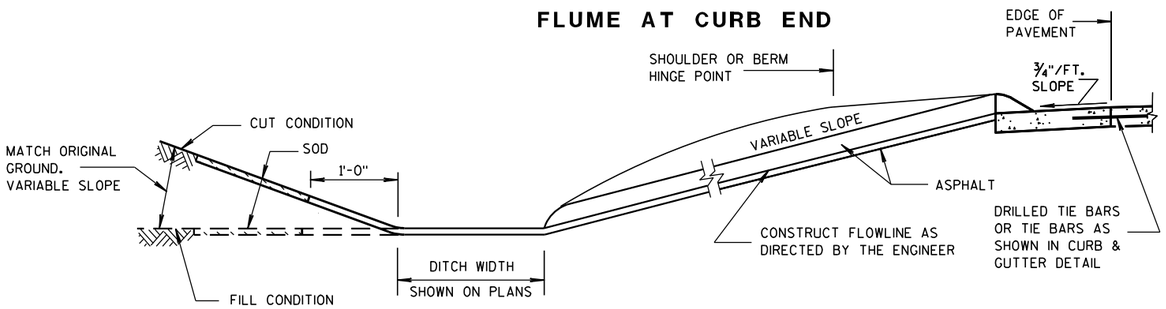
SDD 08D03 - 08b

ASPHALTIC FLUME

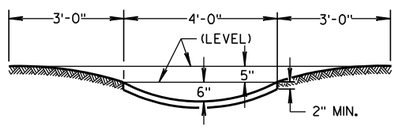


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

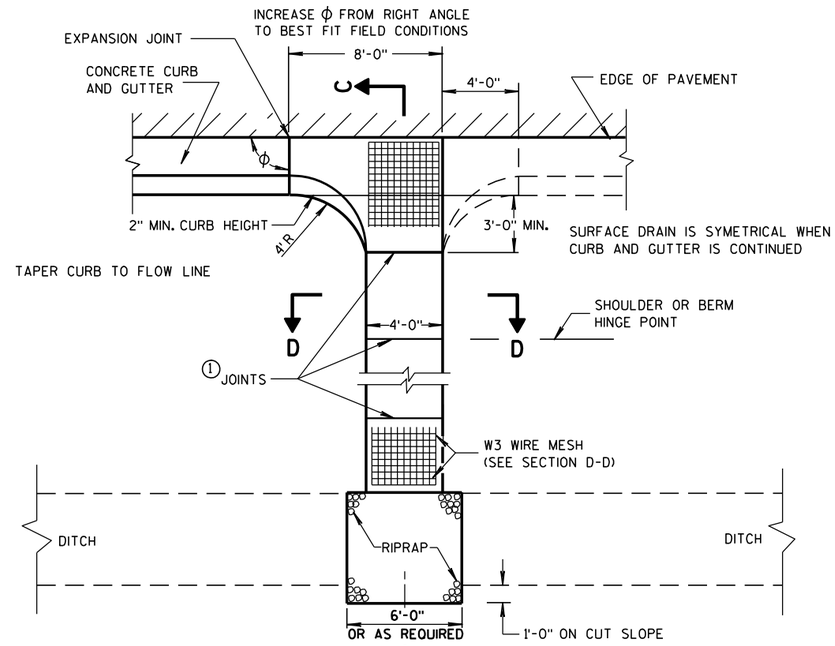
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE ⅛ TO ¼ INCH WIDE BY 1½ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

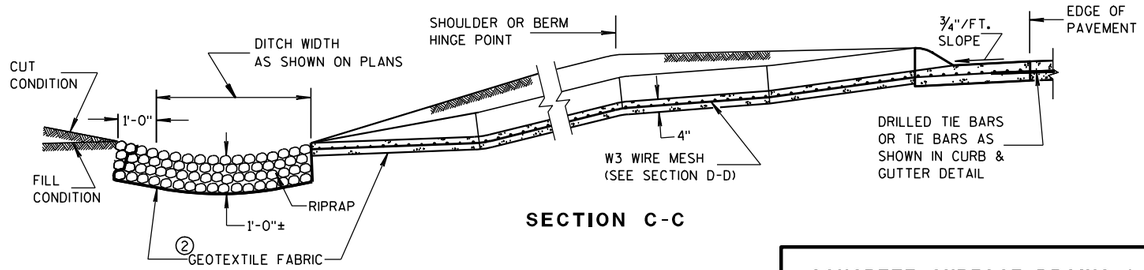
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

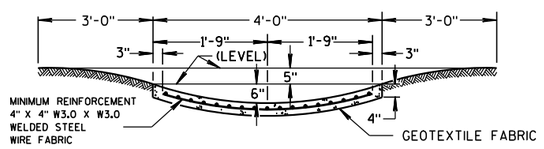
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

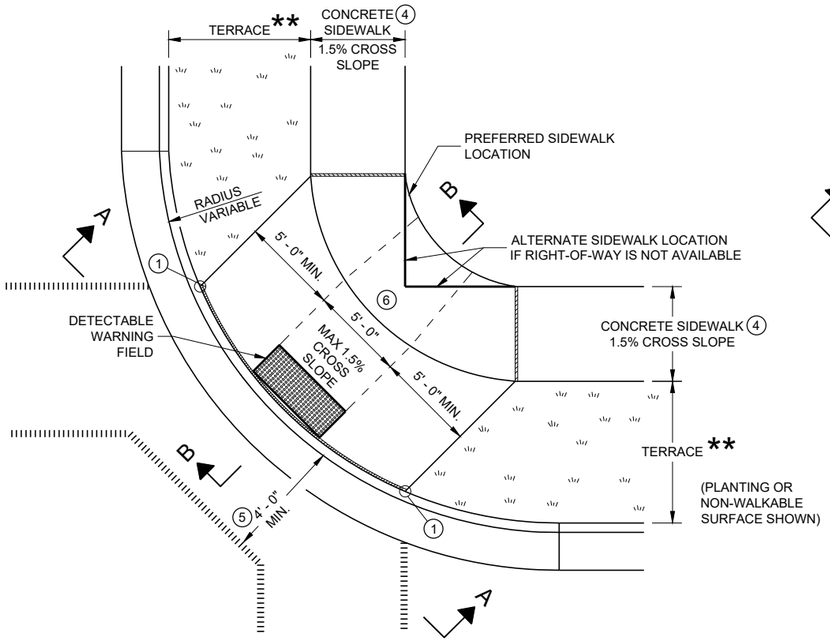
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
607 MENT
FHWA

6

S.D.D. 8 D 4-5

6

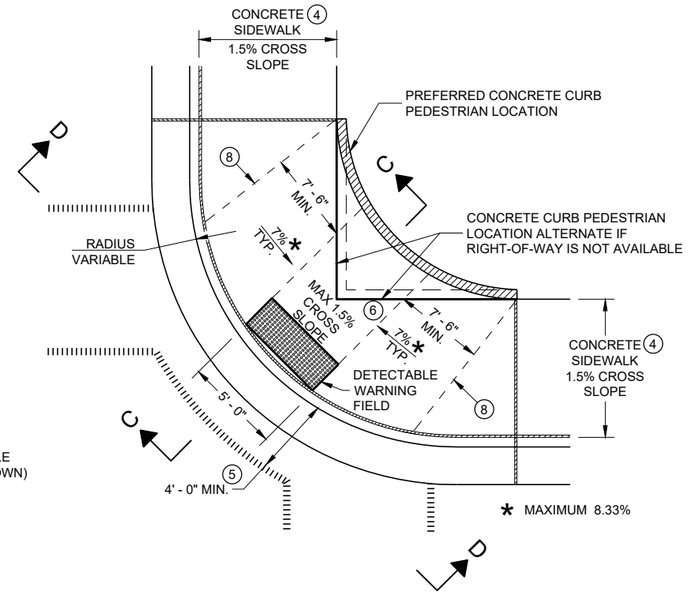
S.D.D. 8 D 4-5



PLAN VIEW

CURB RAMP TYPE 1

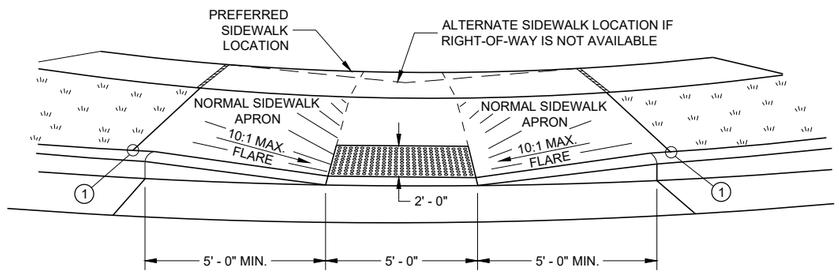
(CENTER OF CORNER RADIUS)



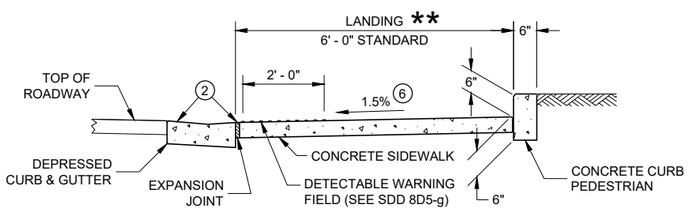
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

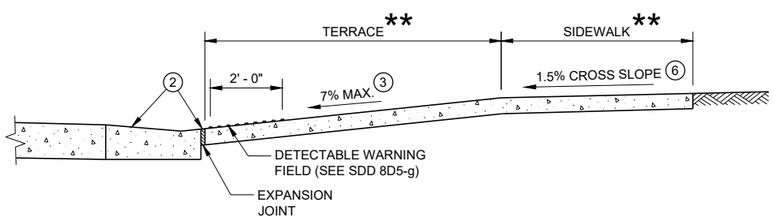


VIEW A - A FOR TYPE 1

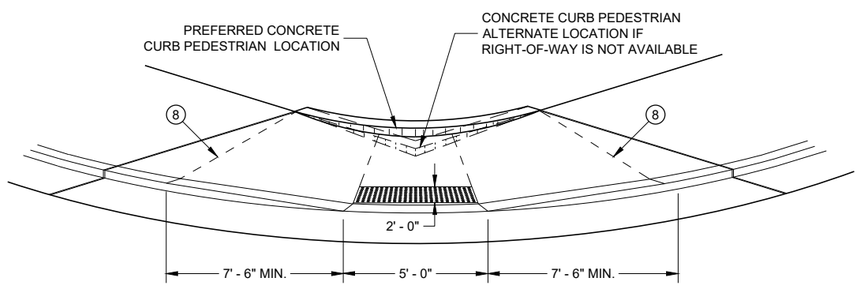


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

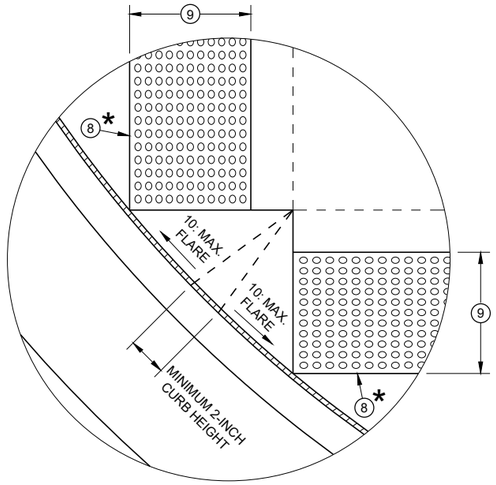
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

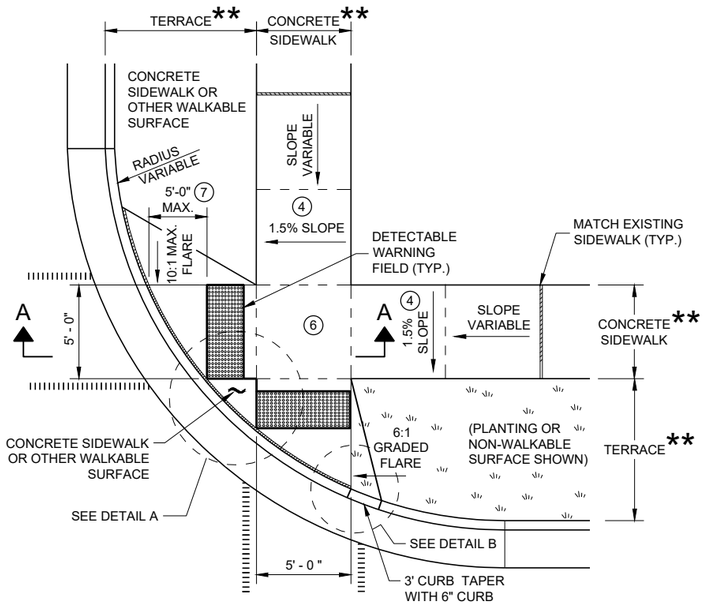
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

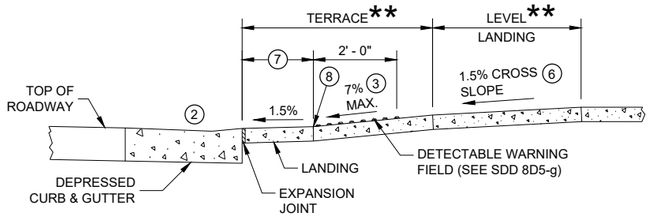
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

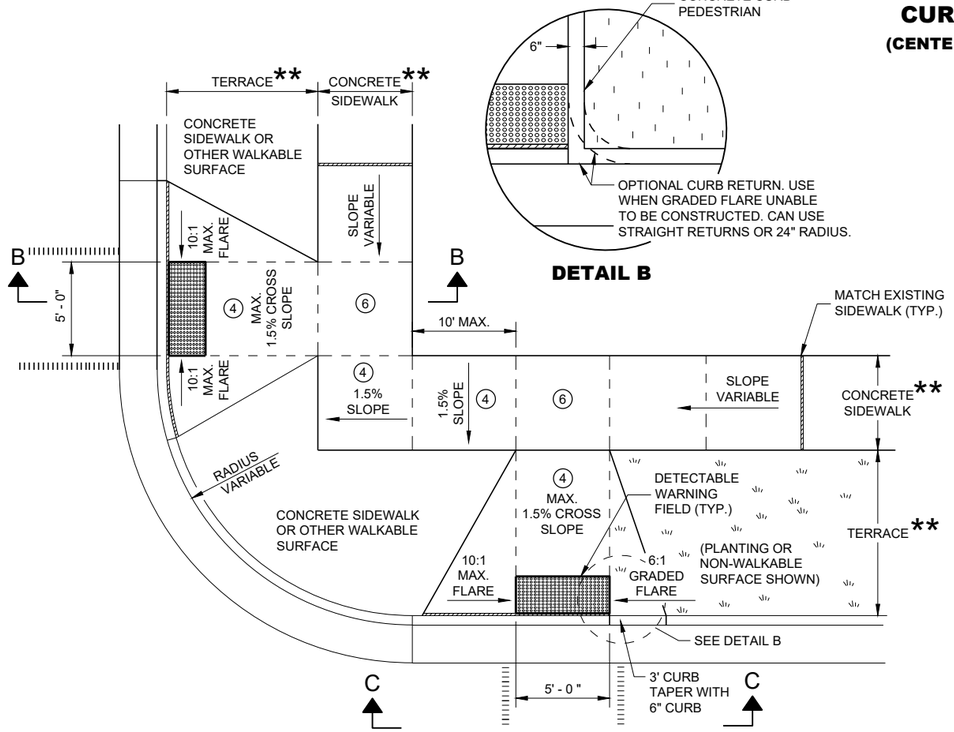
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

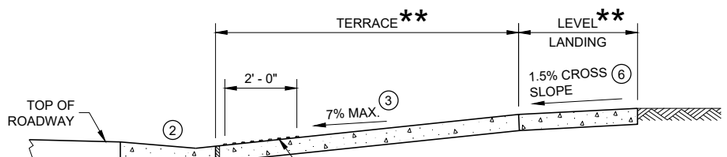
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

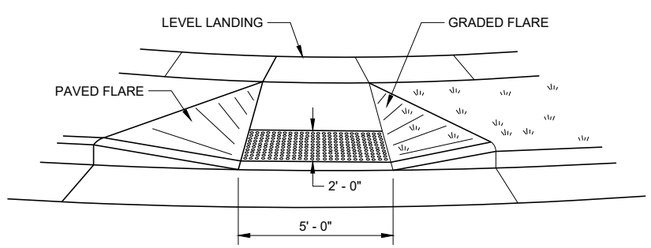
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



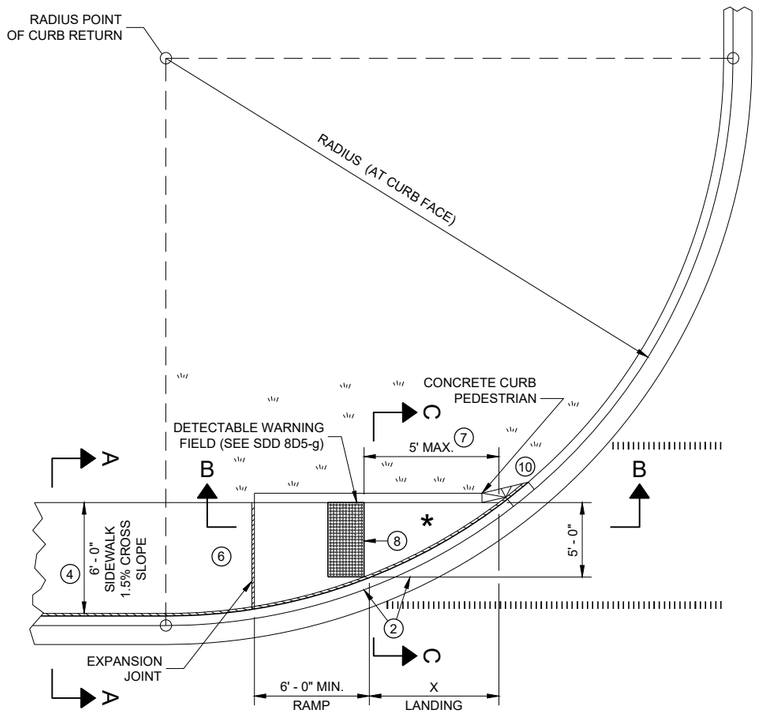
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

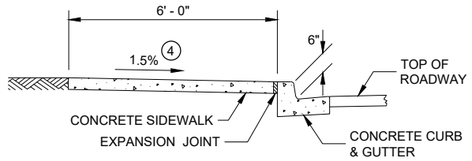


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

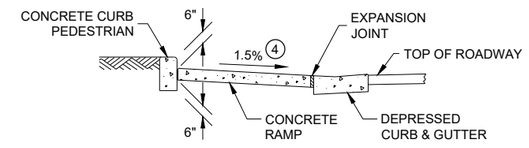
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

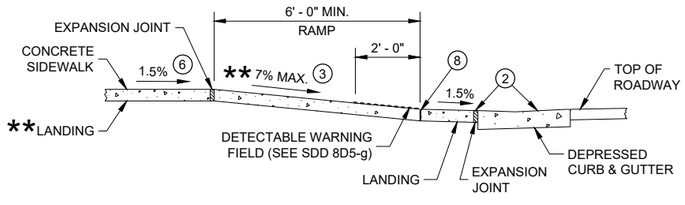
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



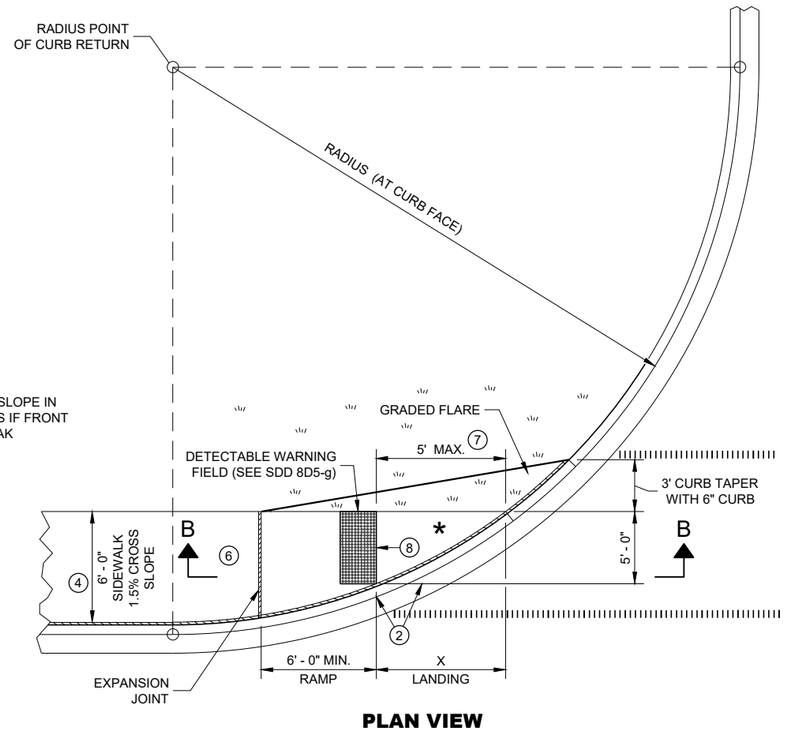
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

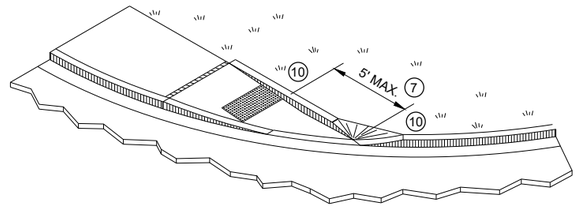
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

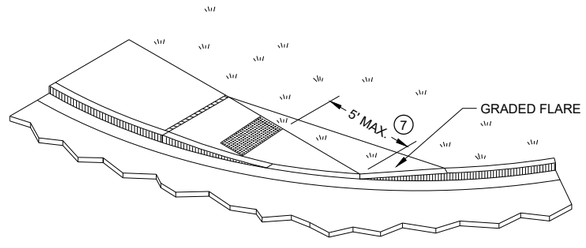


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A

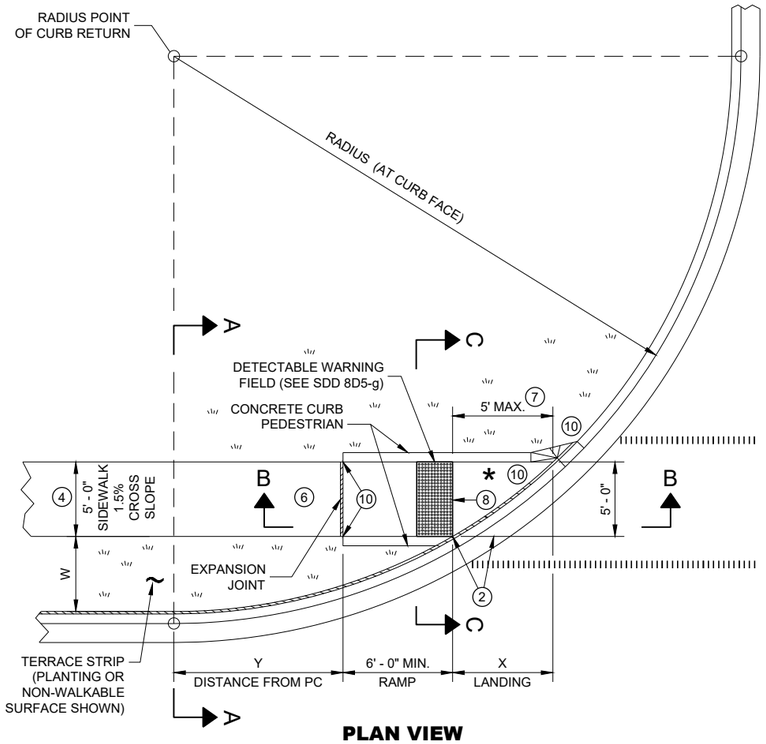


ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

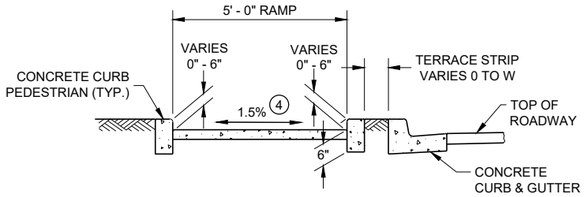
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

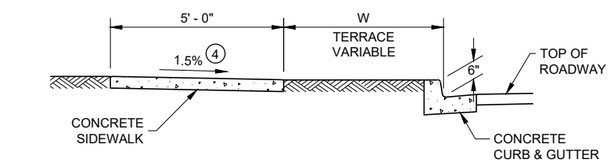
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

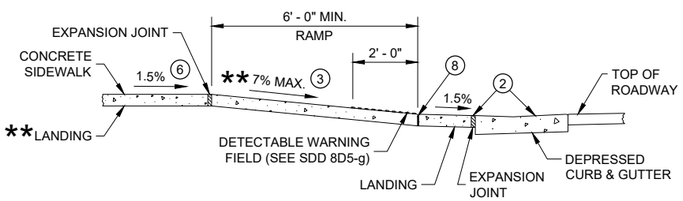
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



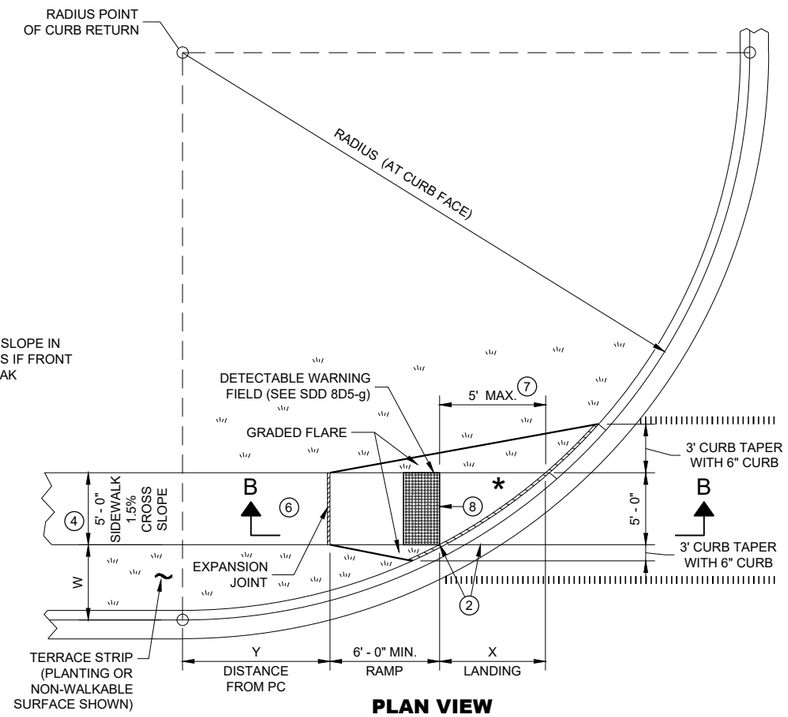
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

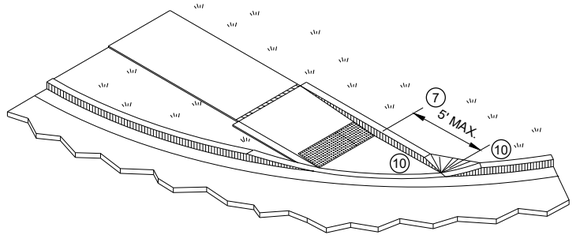
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

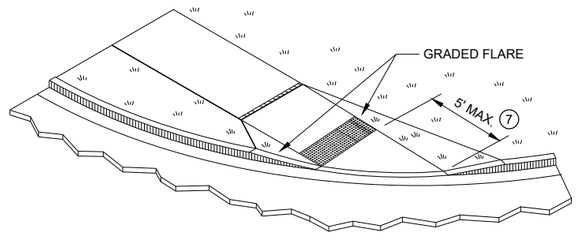


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



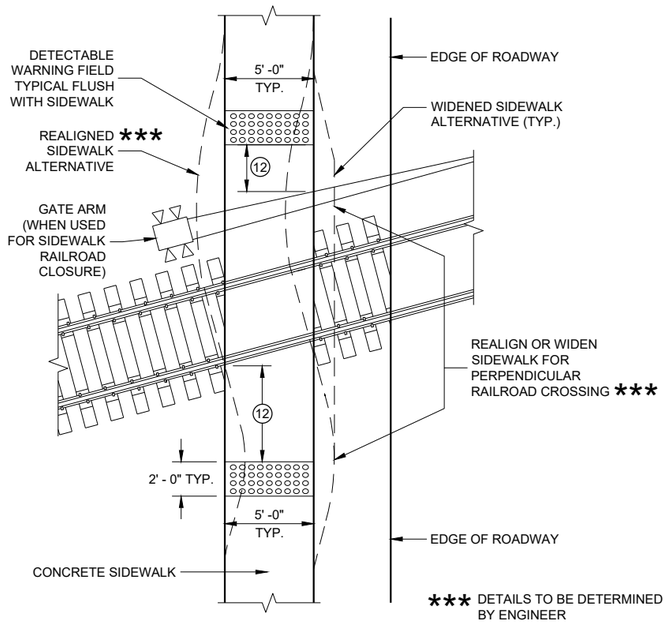
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

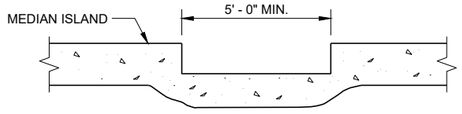
6

SDD 08D05 - 20d

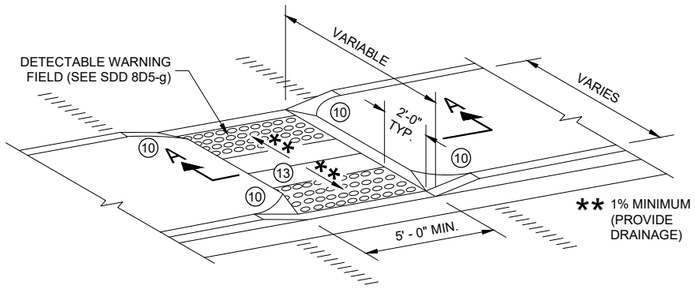


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

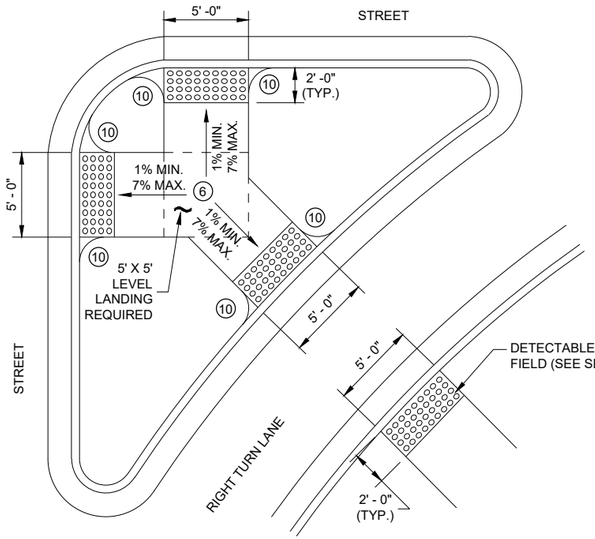
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

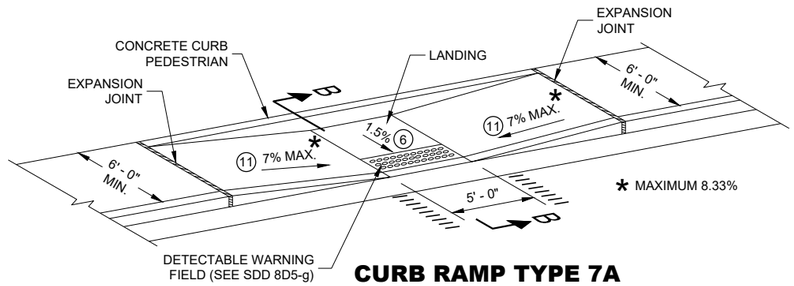
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

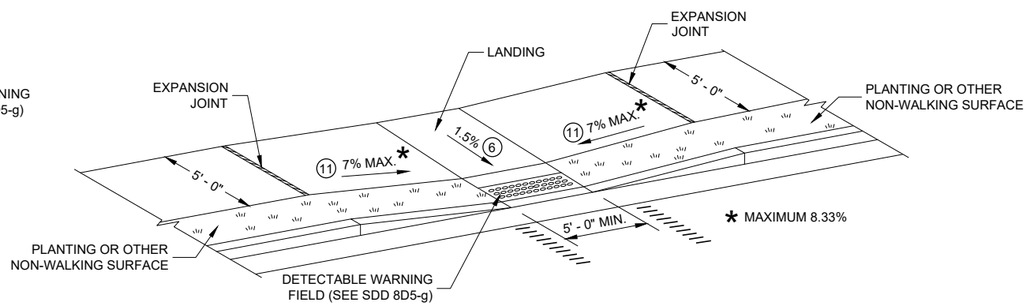
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

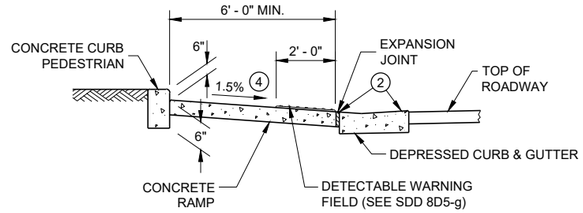
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

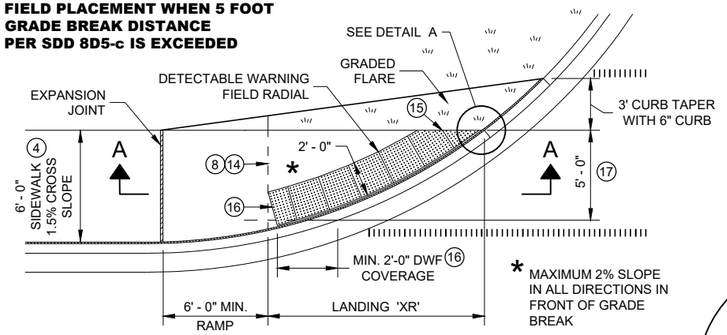
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20e

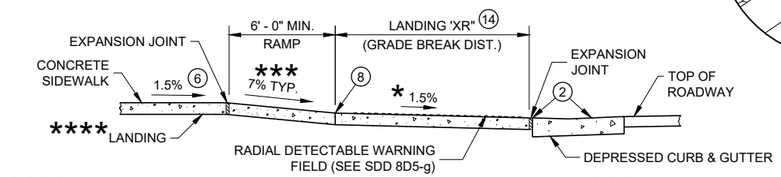
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

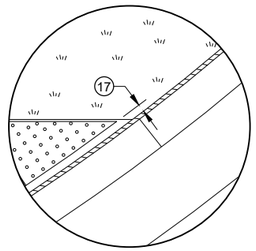
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

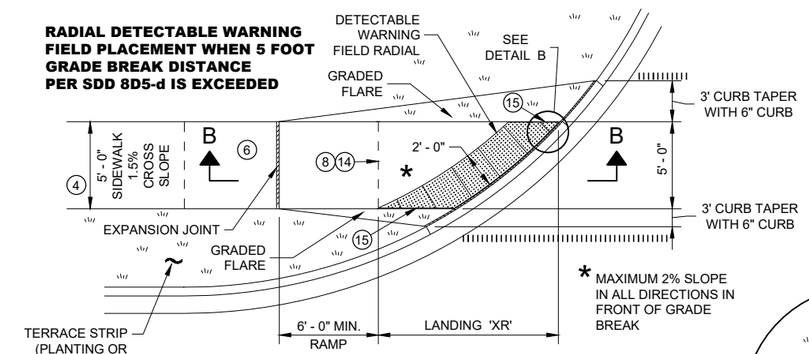
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

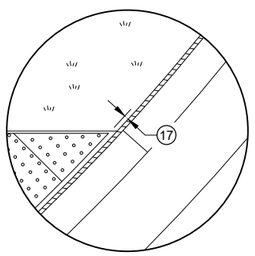
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



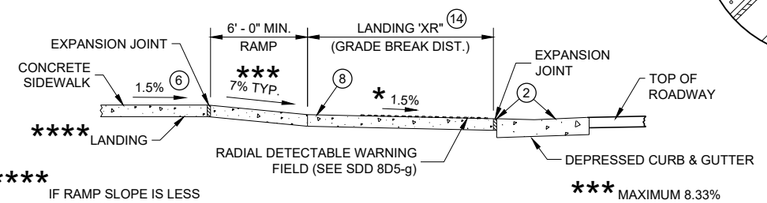
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

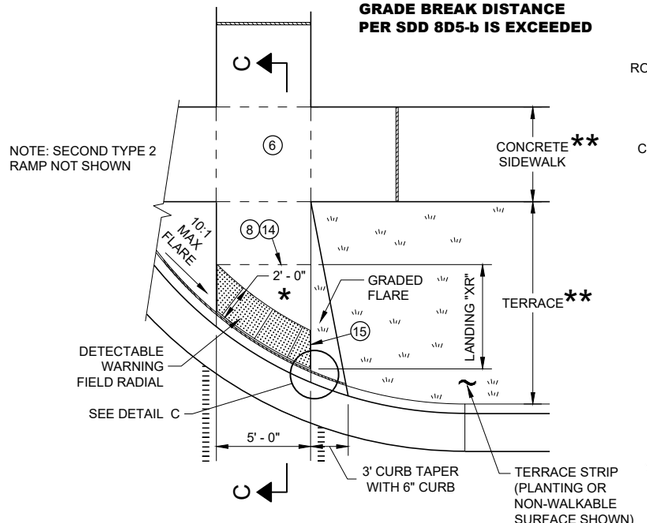


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

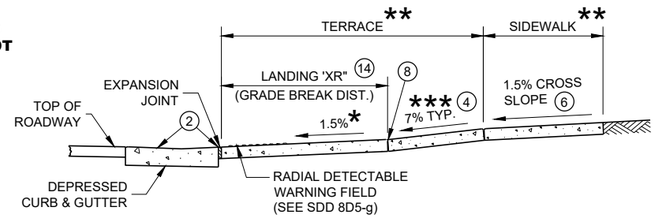


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

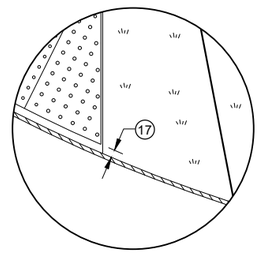


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

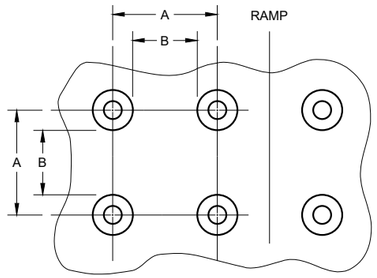
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

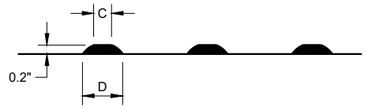
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

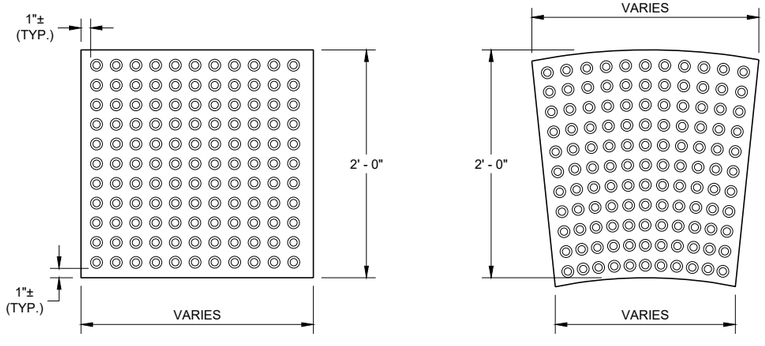


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

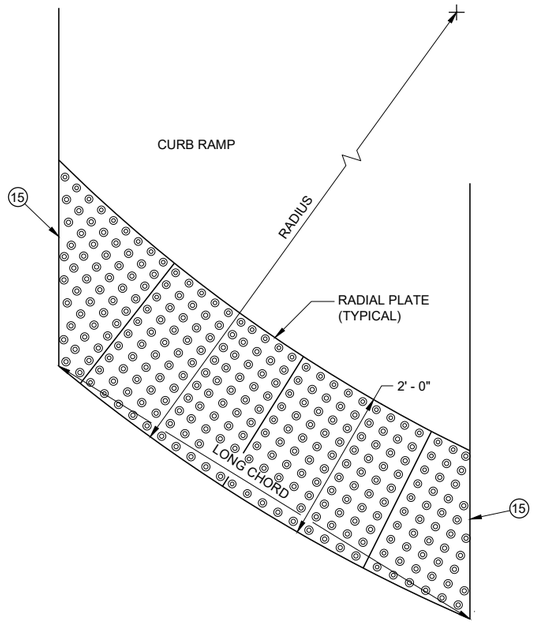
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

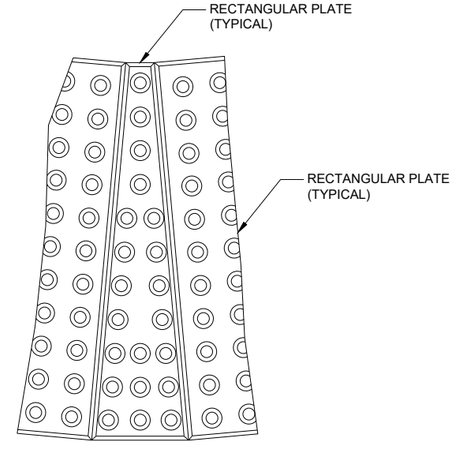
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

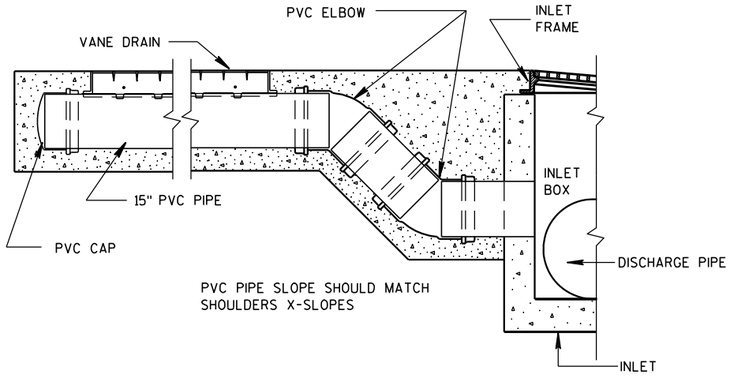
CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

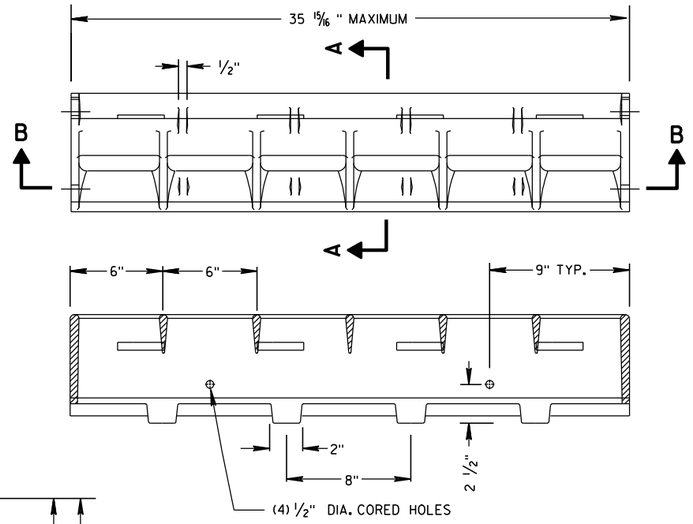
APPROVED
May 2019 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

6
SDD 08D05 - 20g



TYPICAL SLOTTED VANE DRAIN CONFIGURATION



SECTION B-B
SLOTTED VANE DRAIN DETAIL
(APPROXIMATE WEIGHT 87 LBS.)

GENERAL NOTES

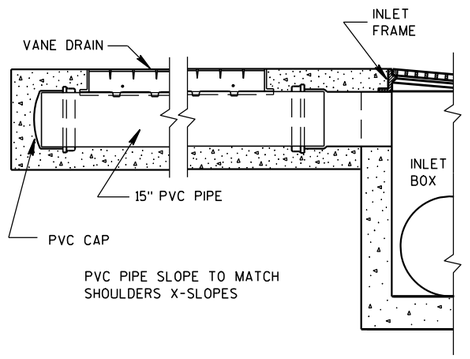
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ENCASEMENT: THE ENCASING MATERIAL AROUND THE PIPE SHALL BE IN ACCORDANCE WITH SPECIFICATIONS OF 501.4.3.3 FOR CONCRETE PAVEMENT.

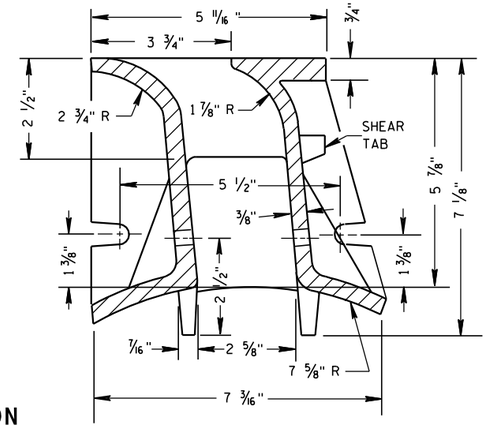
THE PIPE USED SHALL BE A 15" DIAMETER SDR-35 POLYVINYL CHLORIDE SEWER PIPE. THE PIPE SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN STANDARD SPECIFICATION 612.2.6

SURFACE DRAIN: BEFORE PAVING OVER THE DRAIN, COVER THE TOP OF THE DRAIN TO KEEP MATERIAL OUT OF THE PIPE. THE FINISHED GRADE SHOULD BE FLUSH WITH THE TOP OF THE DRAIN.

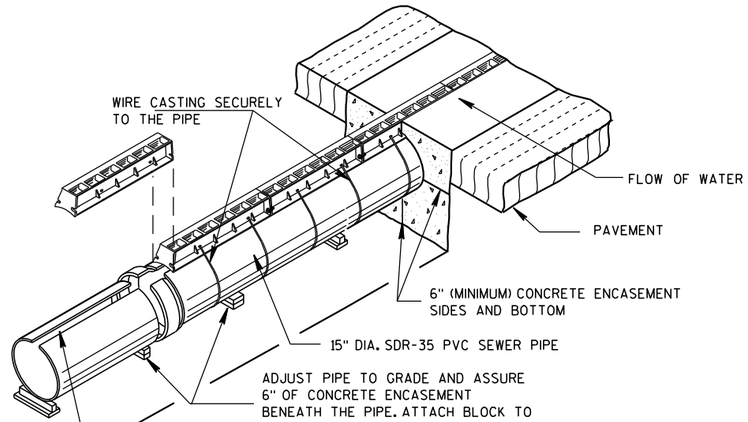
THE ANGLE OF THE DRAIN TO THE FLOW OF WATER SHOULD BE AS CLOSE TO 90° AS POSSIBLE.



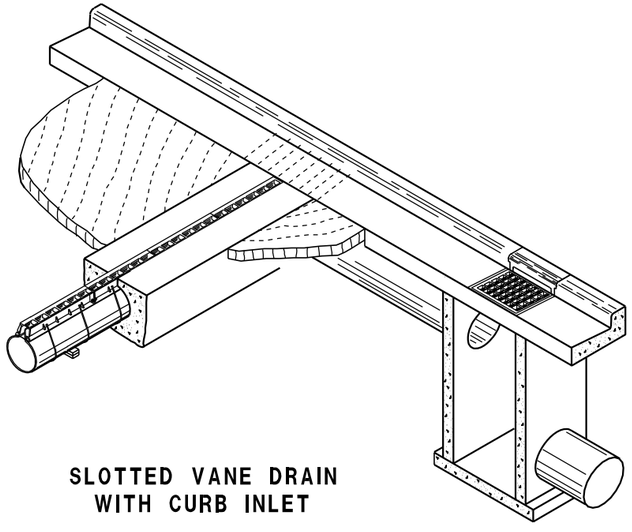
TYPICAL SLOTTED VANE DRAIN CONFIGURATION



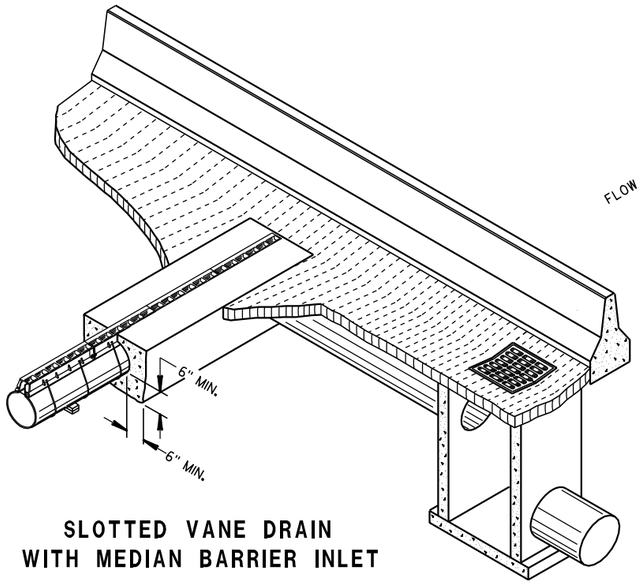
SECTION A-A



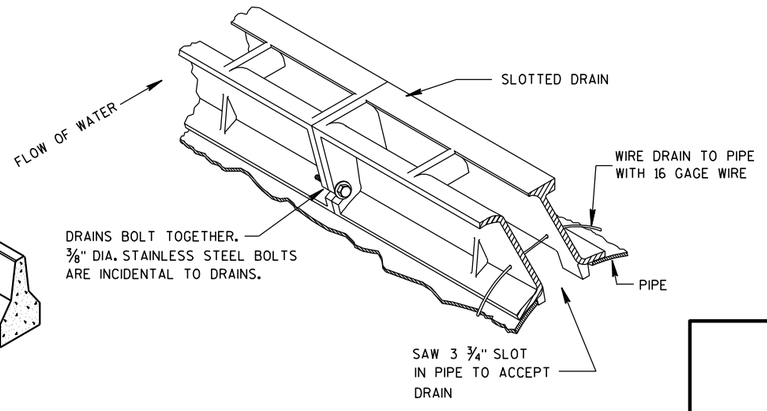
INSTALLATION OF SLOTTED VANE DRAIN



SLOTTED VANE DRAIN WITH CURB INLET



SLOTTED VANE DRAIN WITH MEDIAN BARRIER INLET



ISOMETRIC VIEW

SLOTTED VANE DRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

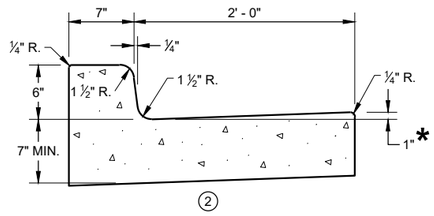
APPROVED
6/13/00 DATE
/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 D 14-1

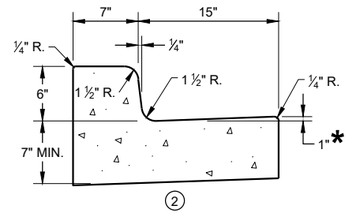
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S.D.D. 8 D 14-1

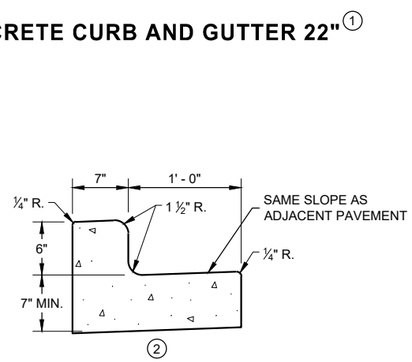


CONCRETE CURB AND GUTTER 31" ①

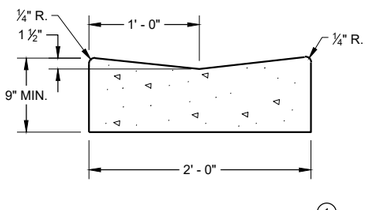
*TO BE MEASURED TO A MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.



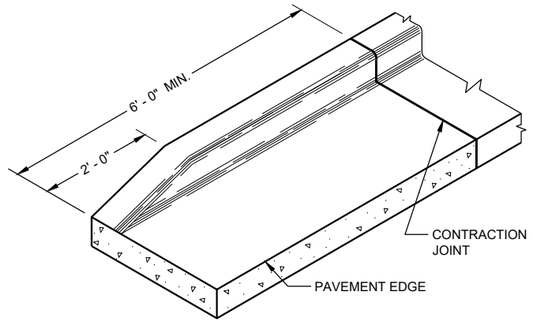
CONCRETE CURB AND GUTTER 22" ①



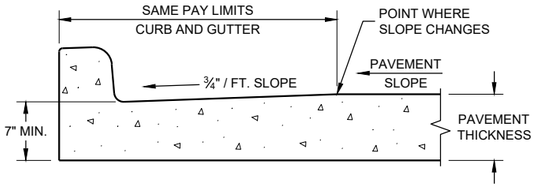
CONCRETE CURB AND GUTTER 19" ①



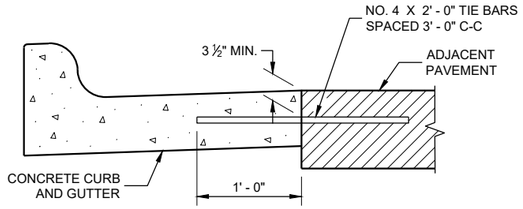
CONCRETE GUTTER 24" ①



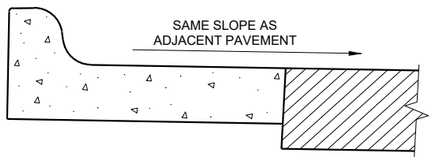
END SECTIONCURB AND GUTTER



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER



TYPICAL TIE BAR LOCATION ①



HIGH SIDE SECTION ③

(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

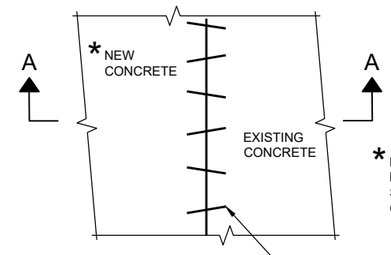
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

① WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUITED FOR CURB AND GUTTER 31", 22", 19" AND CONCRETE GUTTER 24".

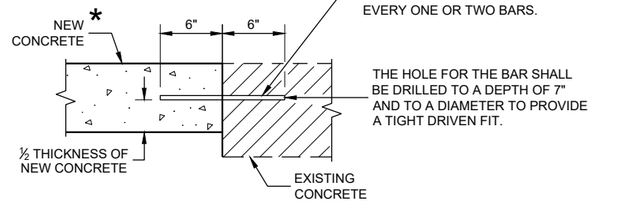
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLANS



PLAN VIEW

*EXISTING AND NEW CONCRETE MAY BE CURB AND GUTTER, SURFACE DRAINS, PAVEMENT OR OTHER CONCRETE STRUCTURE.



SECTION A - A

PAVEMENT TIES

CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES

(For Optional use in Milwaukee Co. Only)

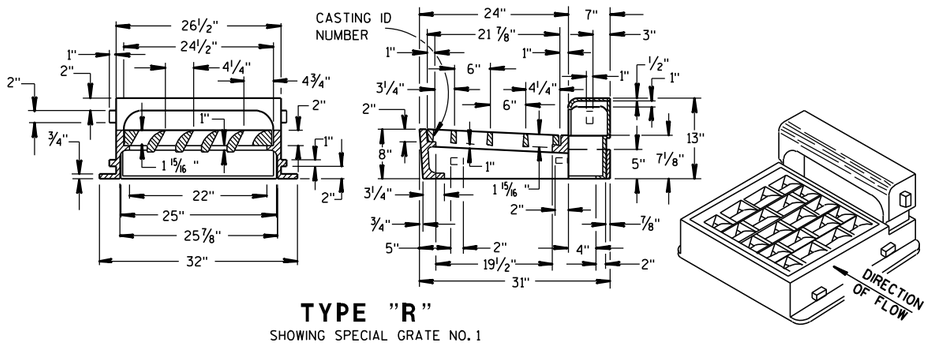
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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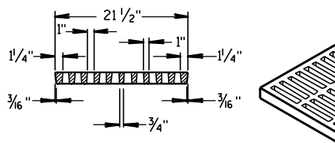
SDD 08D16 - 11
SDD 08D16 - 11

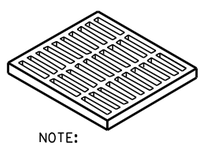
INLET COVERS



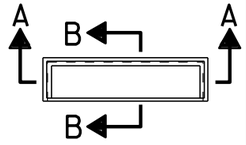
TYPE "R"

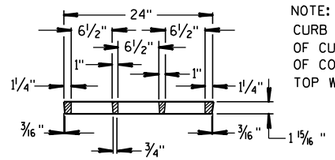
SHOWING SPECIAL GRATE NO. 1
(TO BE NOTED AS R-1 IN DRAINAGE TABLE)



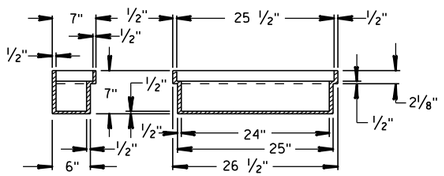


(APPROX. WEIGHT - 510 LBS.)
FRAME..... 245 LBS.
CURB..... 120 LBS.
GRATE..... 145 LBS.





NOTE:
CURB PLUG USED IN PLACE OF CURB BOX IN ABSENCE OF CONC. CURB. FILL TO TOP WITH CONCRETE.



SECTION B-B SECTION A-A

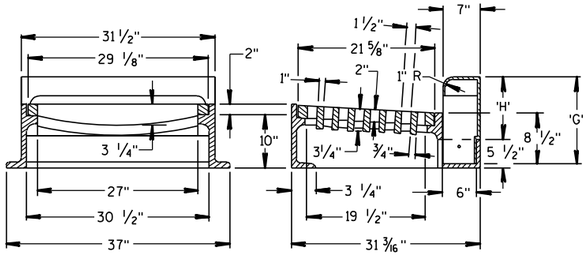
GRATE FOR TYPE "R" INLET COVER

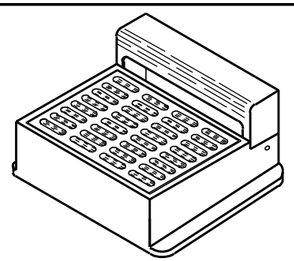
(GRATE..... 150 LBS.)
(TO BE USED UNLESS OTHERWISE NOTED IN DRAINAGE TABLE)

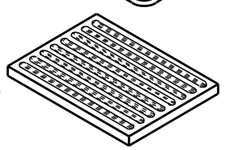
SPECIAL CURB PLUG "P"

(CURB PLUG..... 85 LBS.)
(TO BE NOTED AS R-P IN DRAINAGE TABLE)

'H' = 9" FOR 6" CURB
'H' = 11" FOR 8" CURB
'G' = 13 3/4" FOR 6" CURB
'G' = 15 3/4" FOR 8" CURB



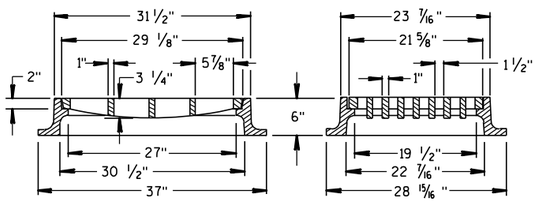


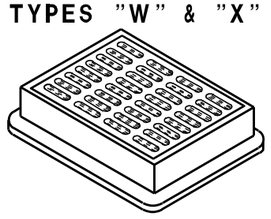


(APPROX. WEIGHT - 670 LBS.)
FRAME..... 350 LBS.
CURB BOX..... 135 LBS.
GRATE..... 185 LBS.

TYPE "W"

ALTERNATE GRATE
(FOR EXPRESSWAY RAMPS)
TYPES "W" & "X"

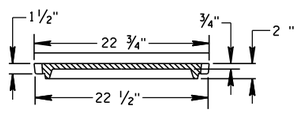




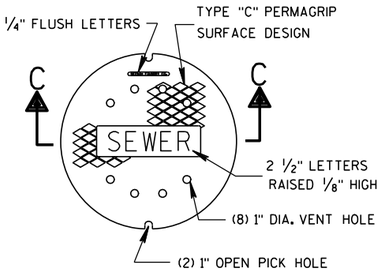
TYPE "X"

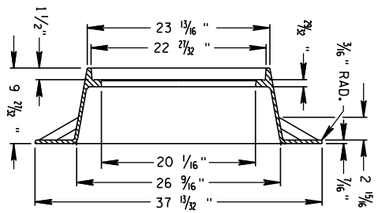
(APPROX. WEIGHT - 470 LBS.)

MANHOLE COVER



SECTION C-C

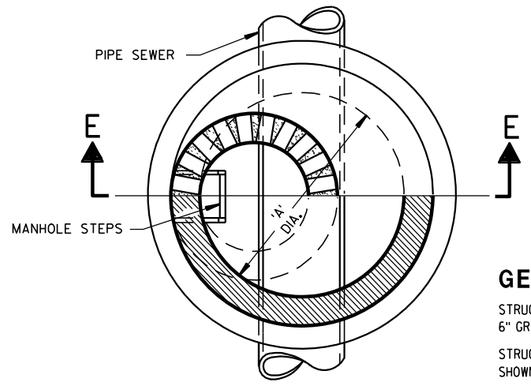




TYPE "Q"

(APPROX. WEIGHT - 290 LBS.)

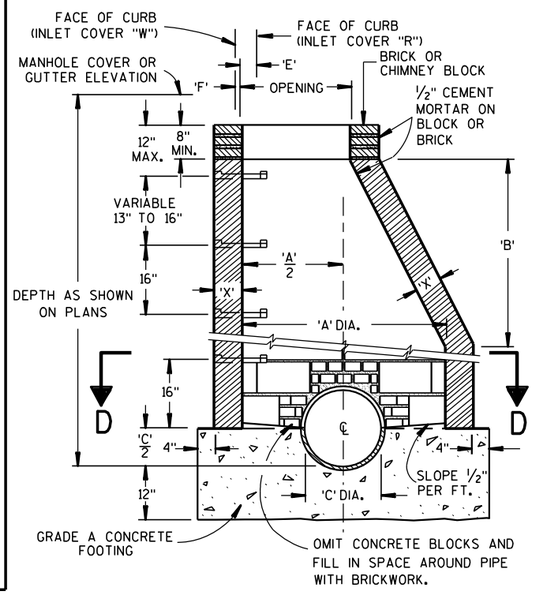
MANHOLE



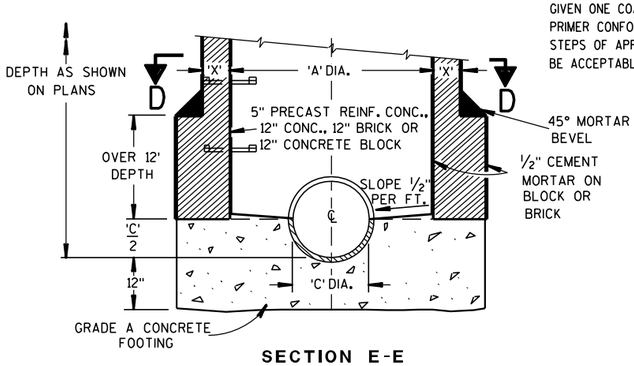
HALF SECTION D-D

TABLE OF OPENING DIMENSIONS

COVER TYPE	COVER DESCRIPTION	OPENING	'E'	'F'
"O"	ROUND	2'-2" DIA.	—	—
"W"	CURB BOX	1'-8" X 2'-6"	—	1"
"X"	INLET	1'-10" X 2'-6"	—	—
"R"	CURB BOX	2'-0" X 2'-1"	4"	—



SECTION E-E



SECTION E-E

TYPES 11, 12, 13 & 14

TABLE OF DIMENSIONS

TYPE	'A'	'B'	'C'
11	3'-6"	2'-8"	12" - 36"*
12	4'-0"	3'-8"	12" - 42"**
13	5'-0"	5'-8"	42" - 48"
14	6'-0"	7'-8"	54" - 60"

* 12" - 21" FOR PRECAST MANHOLES
** 12" - 24" FOR PRECAST MANHOLES

THE FIRST STEP SHALL BE PLACED 16" ABOVE THE BENCH.

GENERAL NOTES

STRUCTURE WALL THICKNESS 'X' TO BE 8" BRICK, 6" CONCRETE BLOCK, 6" GRADE A CONCRETE OR 5" PRECAST REINFORCED CONCRETE.

STRUCTURE FOOTINGS ARE TO BE GRADE A CONCRETE OF THE THICKNESS SHOWN IN THE DETAIL OR 5" PRECAST REINFORCED CONCRETE.

REINFORCEMENT FOR 5" PRECAST REINFORCED CONCRETE SHALL BE 6" X 6" W16 X W16 WELDED SREEL WIRE FABRIC AND SHALL BE EMBEDDED 2" CLEAR.

PRECAST INLET UNITS AND BASES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

PRECAST CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6" IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACK-FILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

SET FRAME ELEVATION 0.03 FT. LOWER THAN ELEVATION INDICATED ON THE PLANS.

THE CONTRACTOR MAY FORM AND POUR MONOLITHIC CONCRETE INVERT PROVIDED THE PIPE ENDS ARE EXTENDED INTO THE M.H. AND NOT TERMINATED WITHIN THE M.H. WALLS.

MANHOLE STEPS

STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH; 16 INCH C-C MAX. SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM WALL EMBEDMENT OF 3 INCHES IN PRECAST MANHOLE AND 6 INCHES IN 8 INCH BRICK OR 6 INCH BLOCK MANHOLE; TREAD OF STEP SHALL HAVE A NON-SKID SURFACE AND BE FLANKED BY CLEATS, WITH A MINIMUM OF 10 INCHES CLEAR BETWEEN CLEATS, TO PREVENT FOOT SLIPPING OFF THE EDGE CLEATS SHALL BE A MINIMUM OF 3/4 INCH HIGH BY 3/4 INCH WIDE HAVING A MINIMUM THICKNESS OF 5/8 INCH. STEPS SHALL BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 300 LBS. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

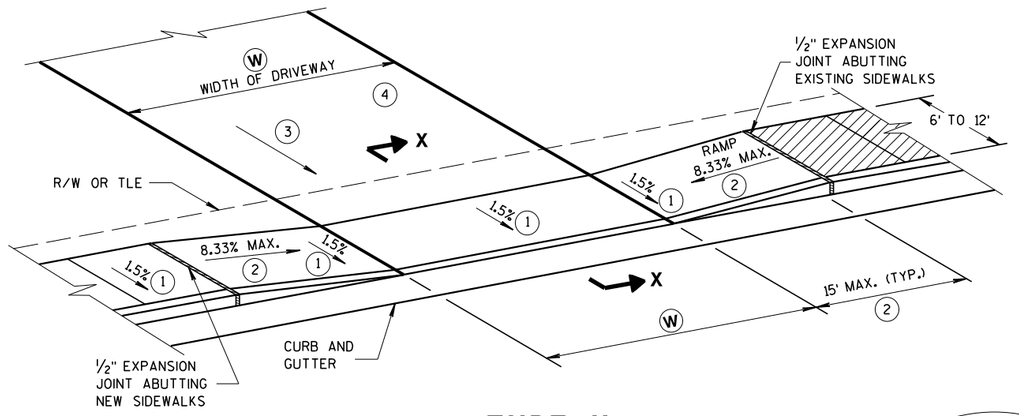
SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT. STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCING BAR WILL BE ACCEPTABLE.

MANHOLES, MANHOLE & INLET COVERS

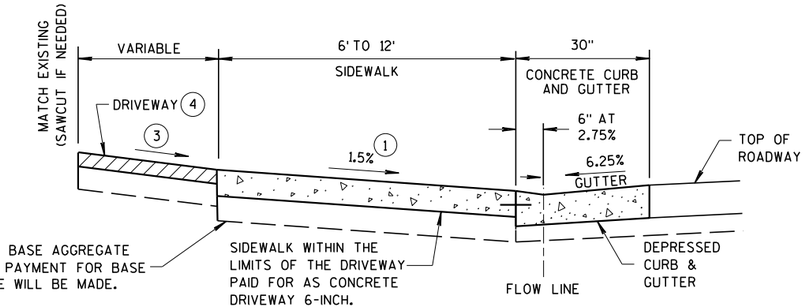
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/12/2011 — DATE
/S/ Jerry H. Zogg — ROADSIDE STANDARDS ENGINEER
617
FHWA

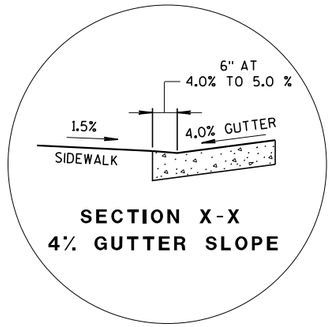
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S.D.D. 8 D 17-6



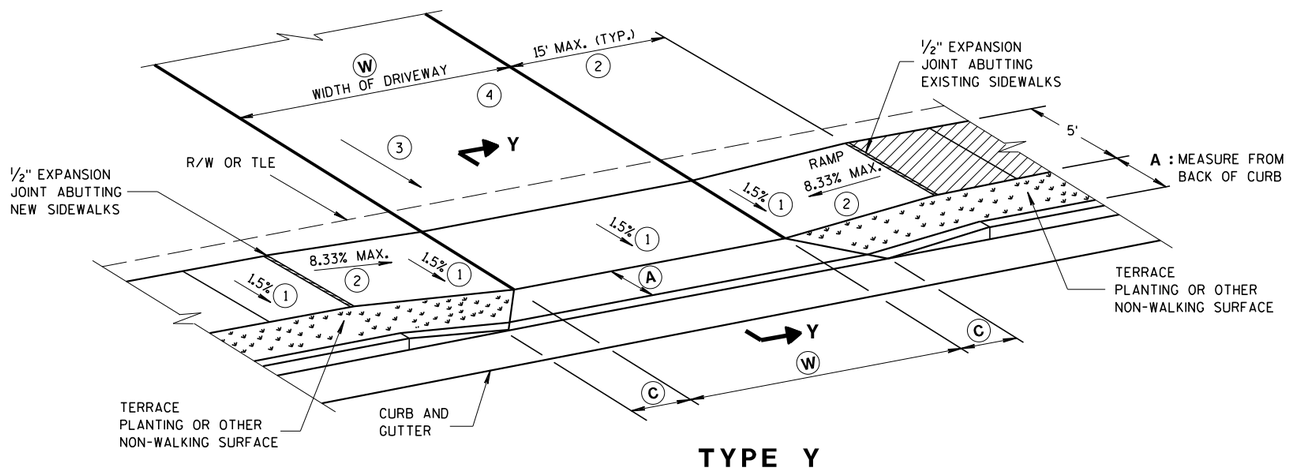
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

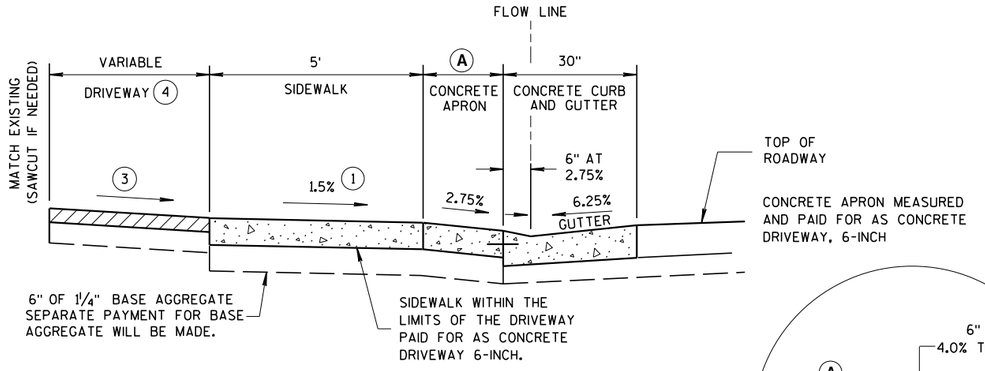
(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

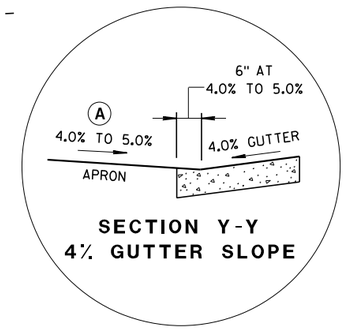
(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y



SECTION Y-Y
4% GUTTER SLOPE

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)

TABLE Y

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS
TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

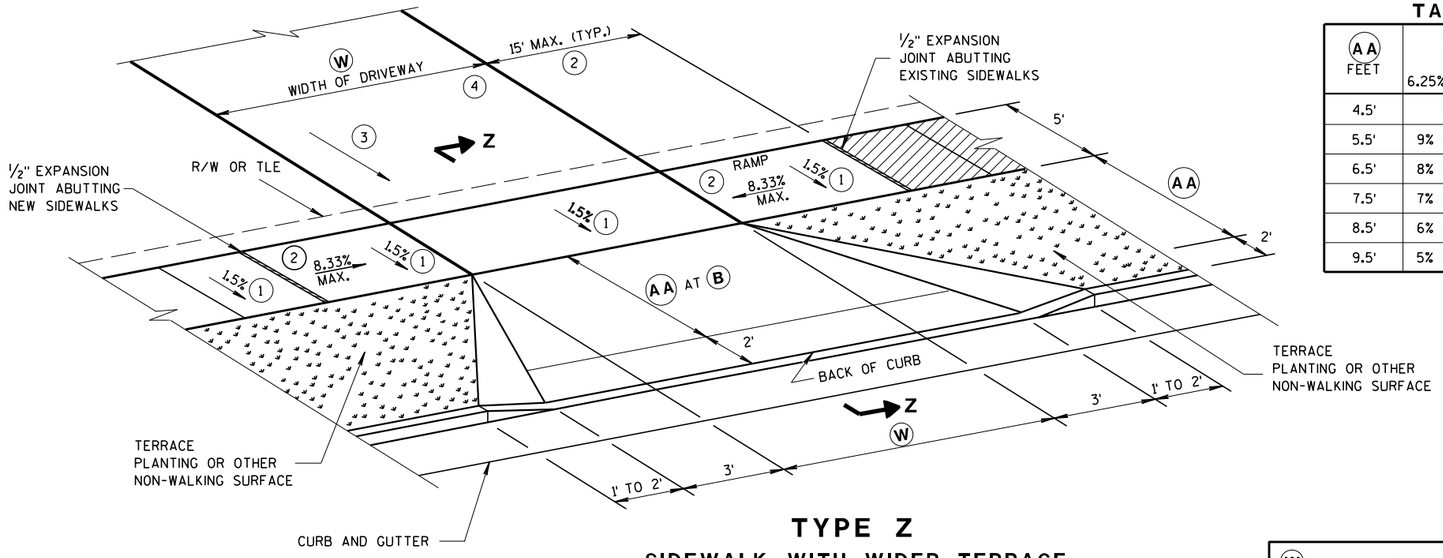
APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 618 MENT
UNIT SUPERVISOR
FHWA

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S.D.D. 8 D 18-2

6

S.D.D. 8 D 18-2



TYPE Z

SIDEWALK WITH WIDER TERRACE

TERRACE VARIES 7 TO 12 FEET

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM

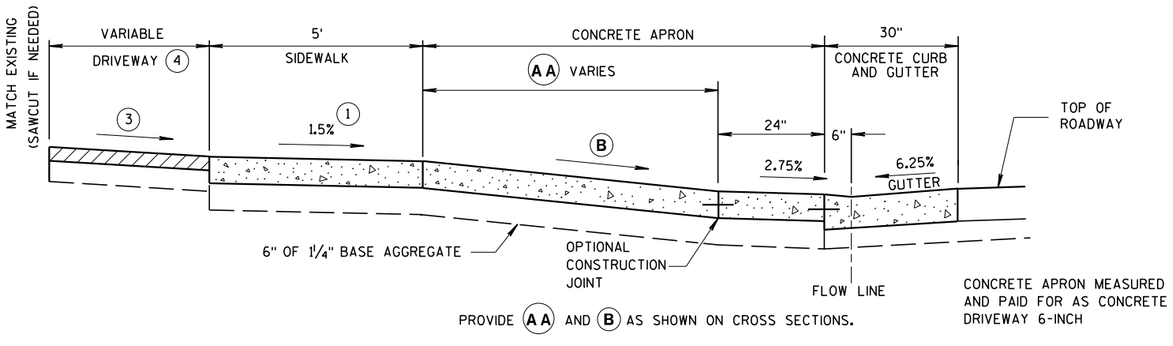
10.5% UP AWAY FROM SIDEWALK (SAG)

8.5% DOWN AWAY FROM SIDEWALK (CREST)

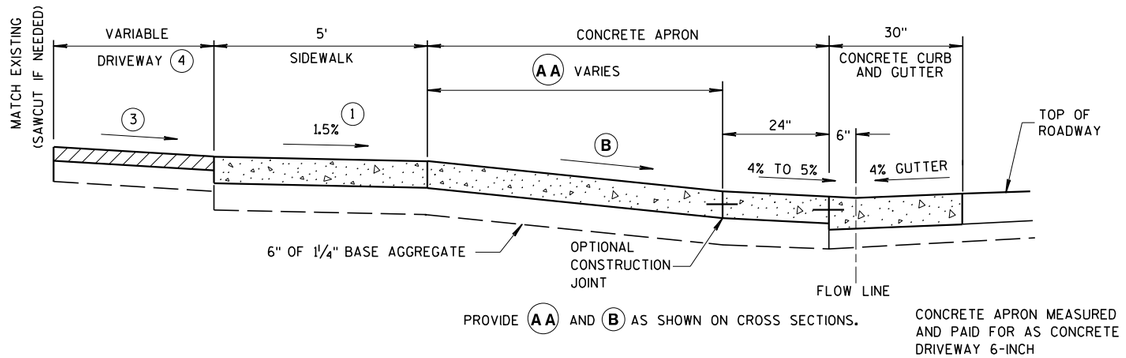
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES

- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



6.25% GUTTER SLOPE



4% GUTTER SLOPE

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR **B** VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

SECTION Z-Z

DRIVEWAY DETAIL WITH CONCRETE CURB & GUTTER

(URBAN AND SUBURBAN)

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

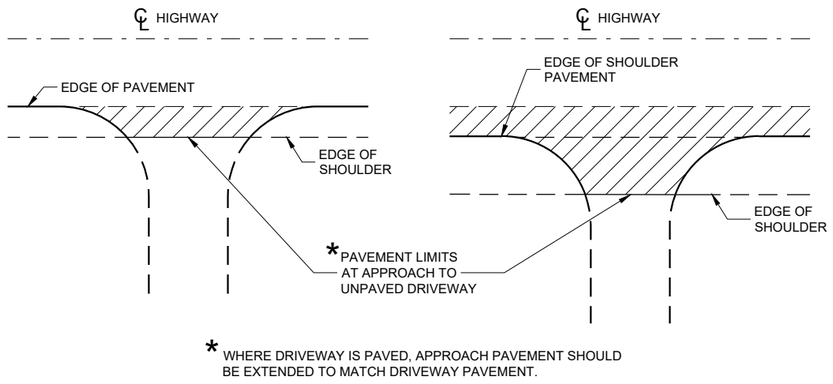
APPROVED
March 2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

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S.D.D. 8 D 19-2

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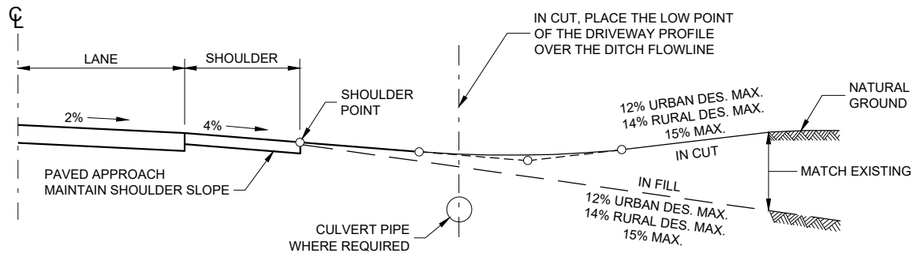
S.D.D. 8 D 19-2



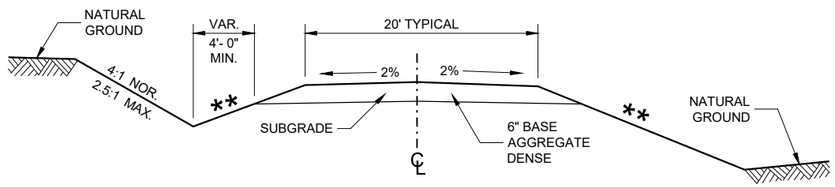
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

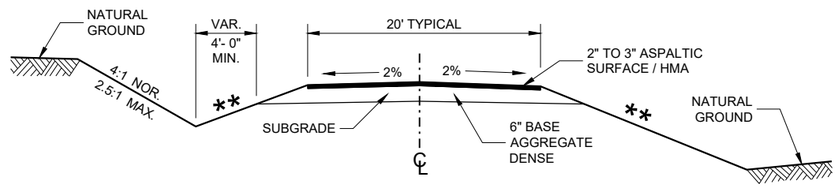


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

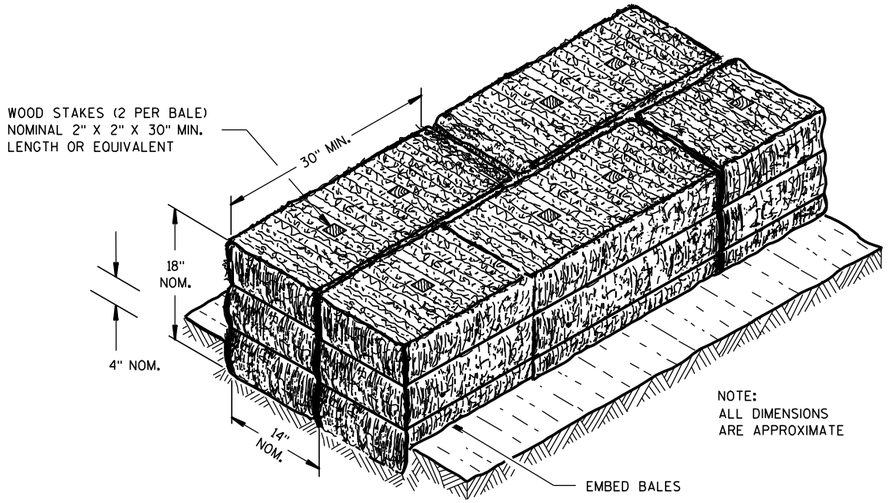
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

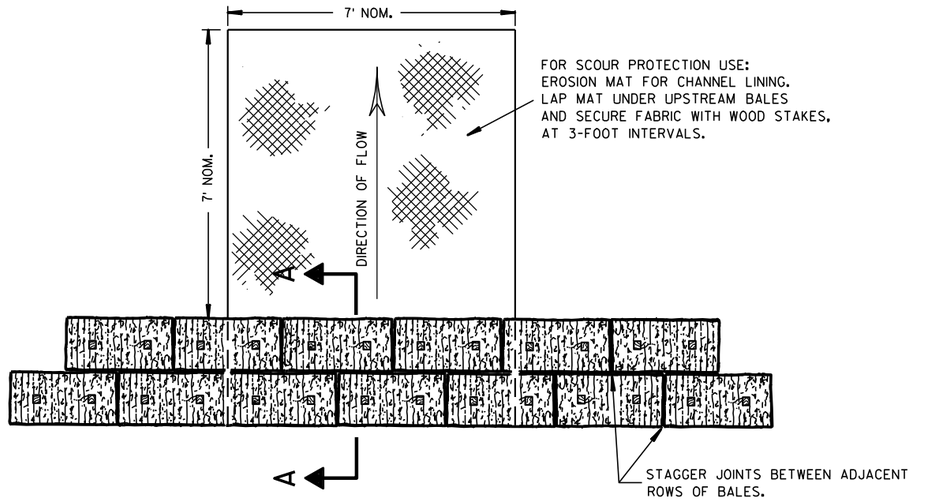
FHWA

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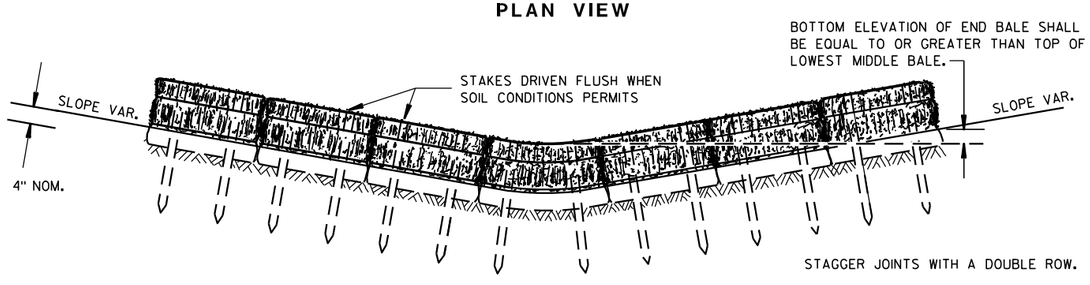
SDD 08D21 - 01



SECTION A-A



PLAN VIEW



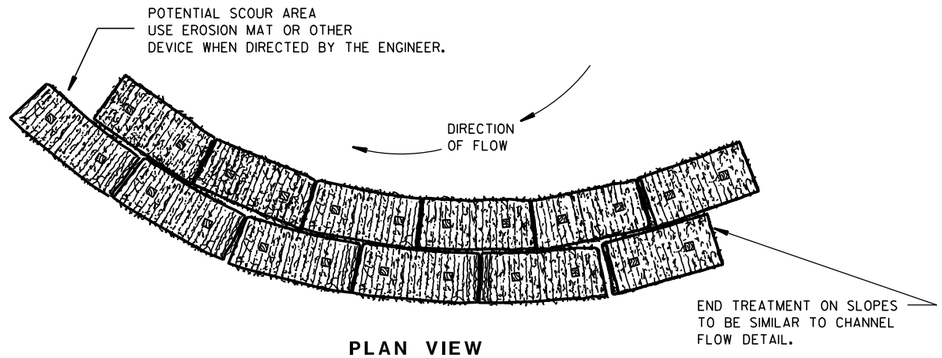
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

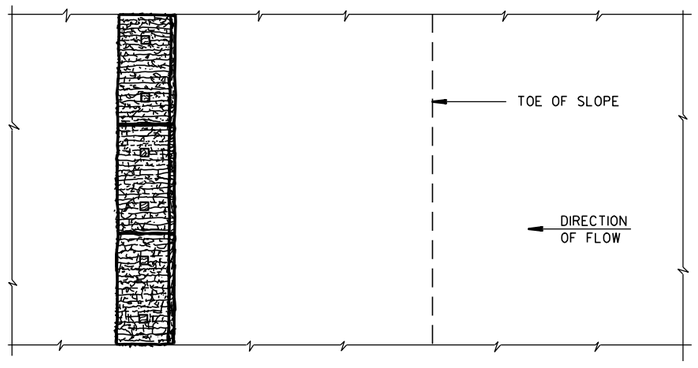
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

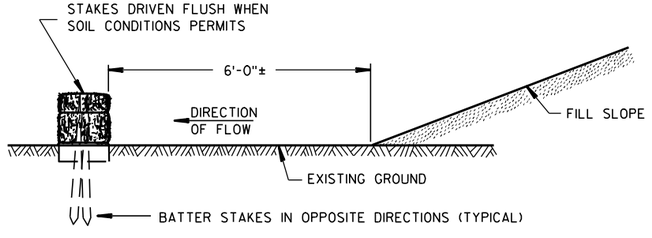


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

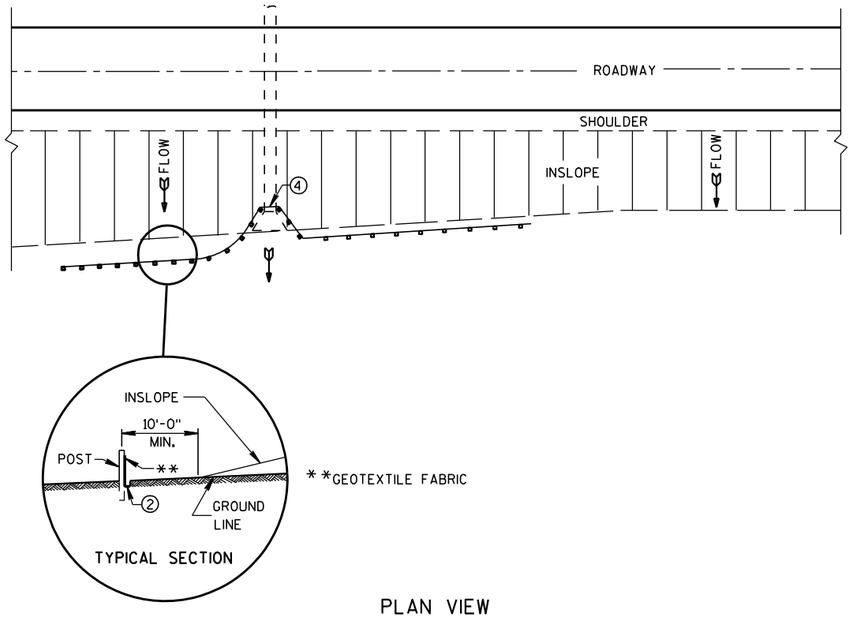
APPROVED

6/04/02 DATE — /S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

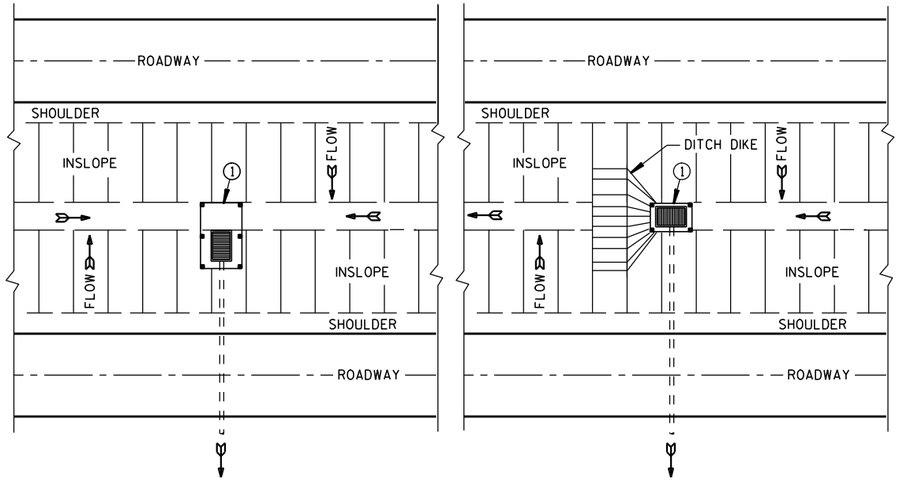
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



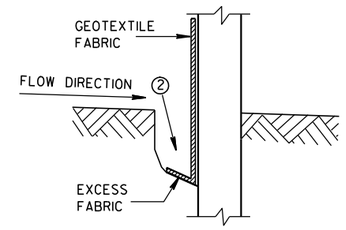
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

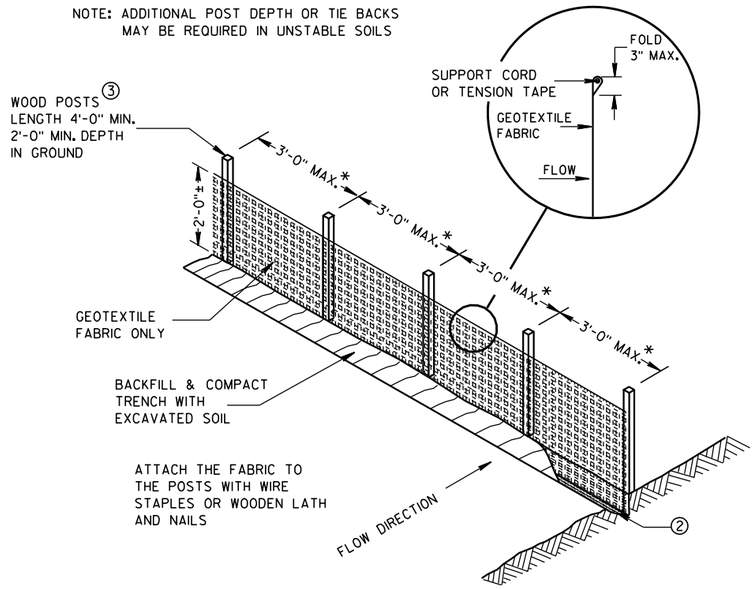
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

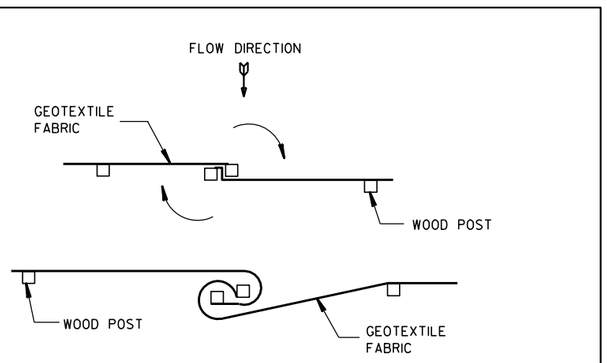
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



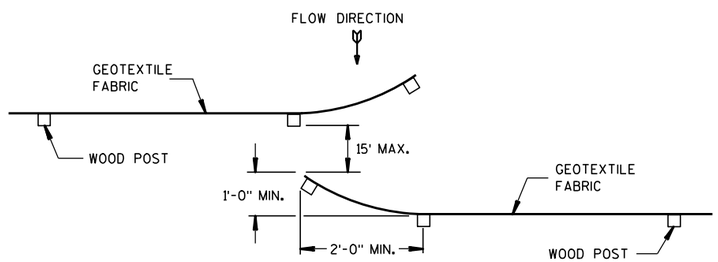
TRENCH DETAIL



SILT FENCE

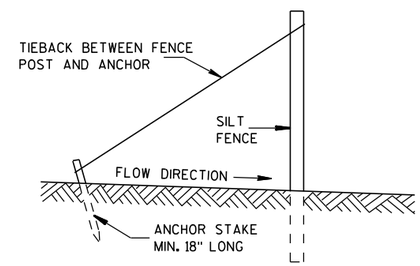


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

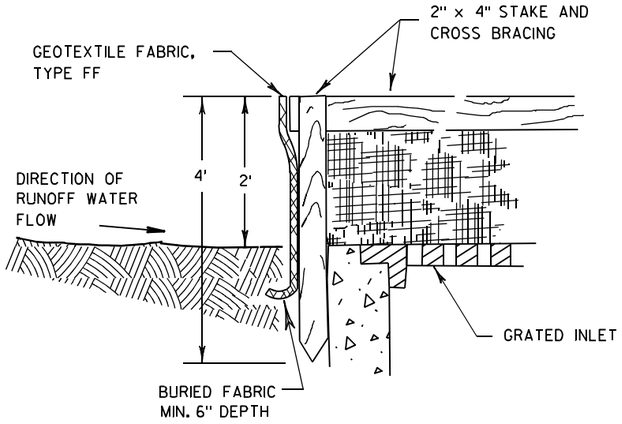
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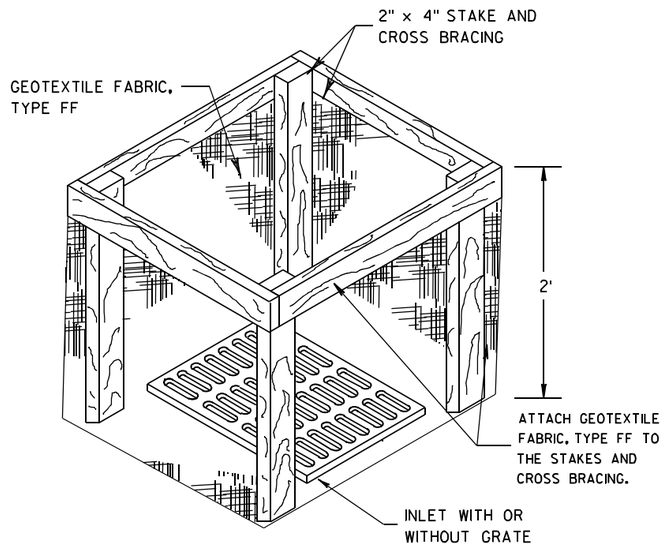
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S.D.D. 8 E 9-6

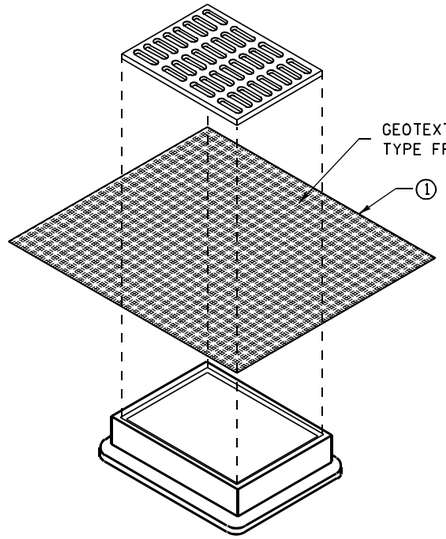
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S.D.D. 8 E 9-6



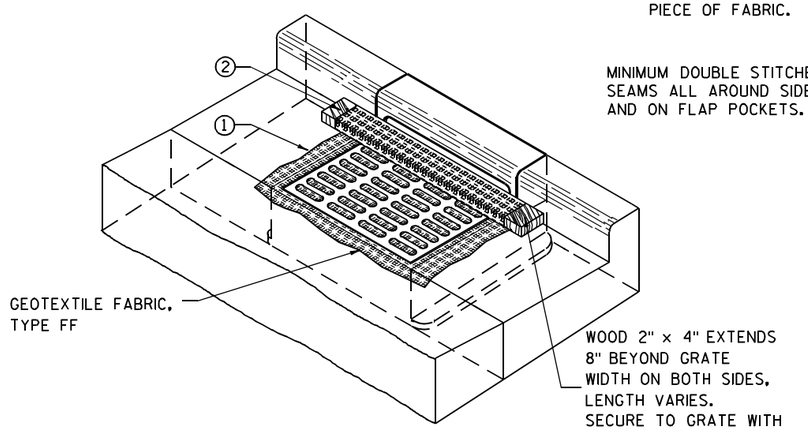


INLET PROTECTION, TYPE A

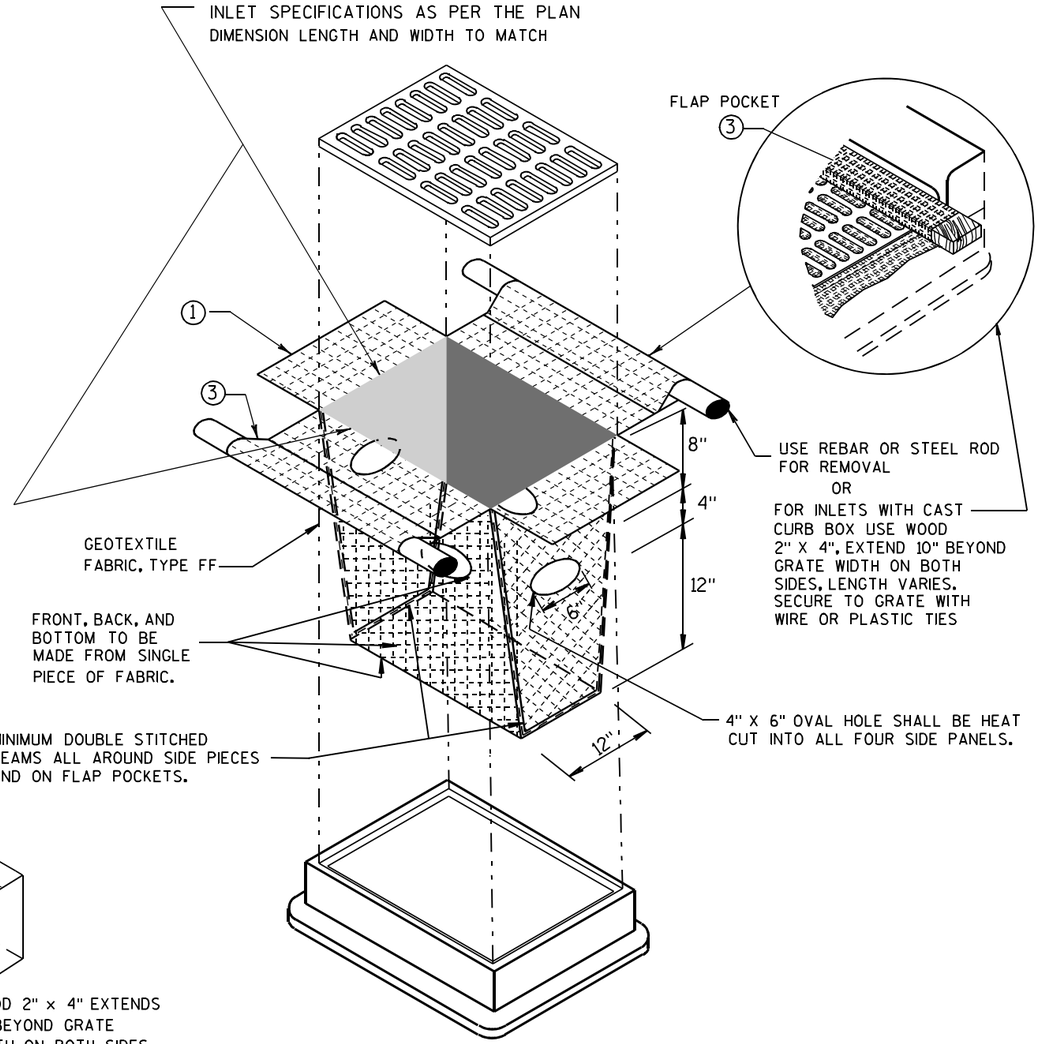


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

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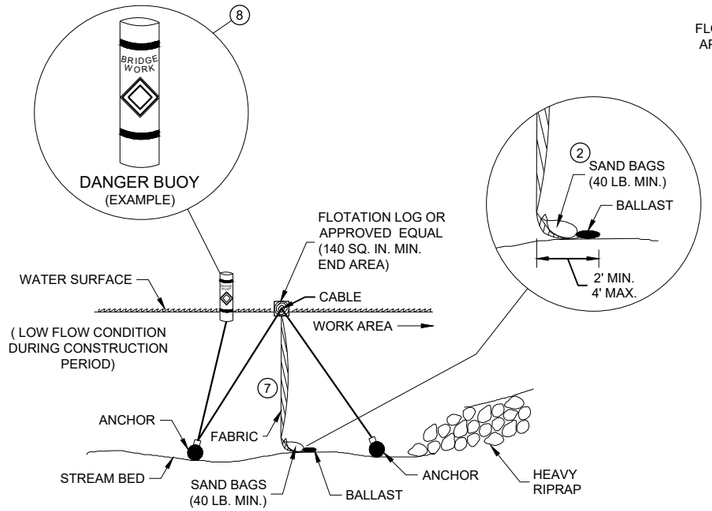
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

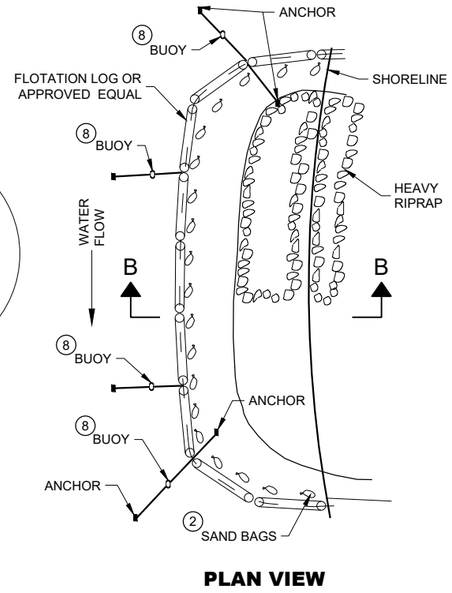
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

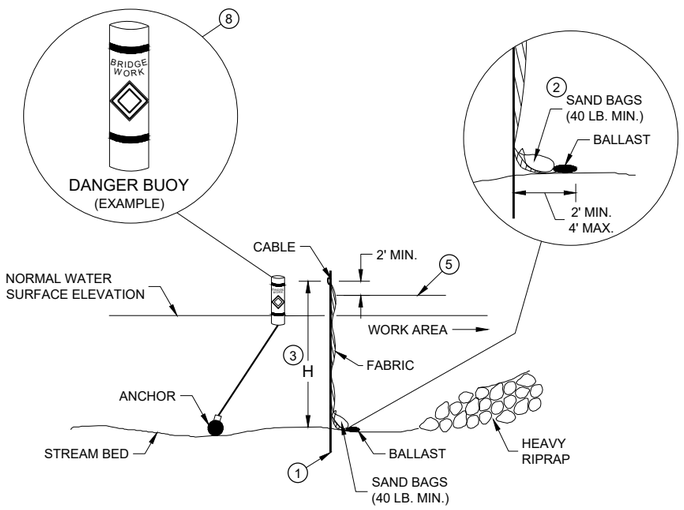


SECTION B - B

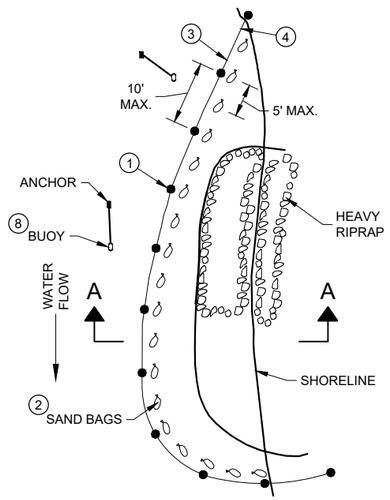


PLAN VIEW

TURBIDITY BARRIER - FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A - A



PLAN VIEW

TURBIDITY BARRIER - STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

(1) DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

(2) SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

(3) WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.

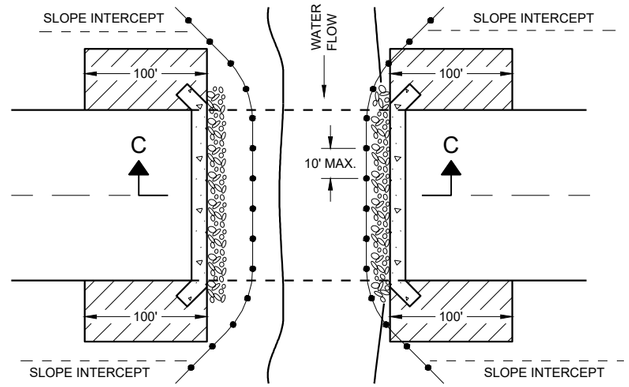
(4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

(5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.

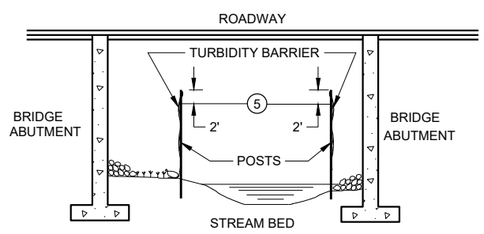
(6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.

(7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

(8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

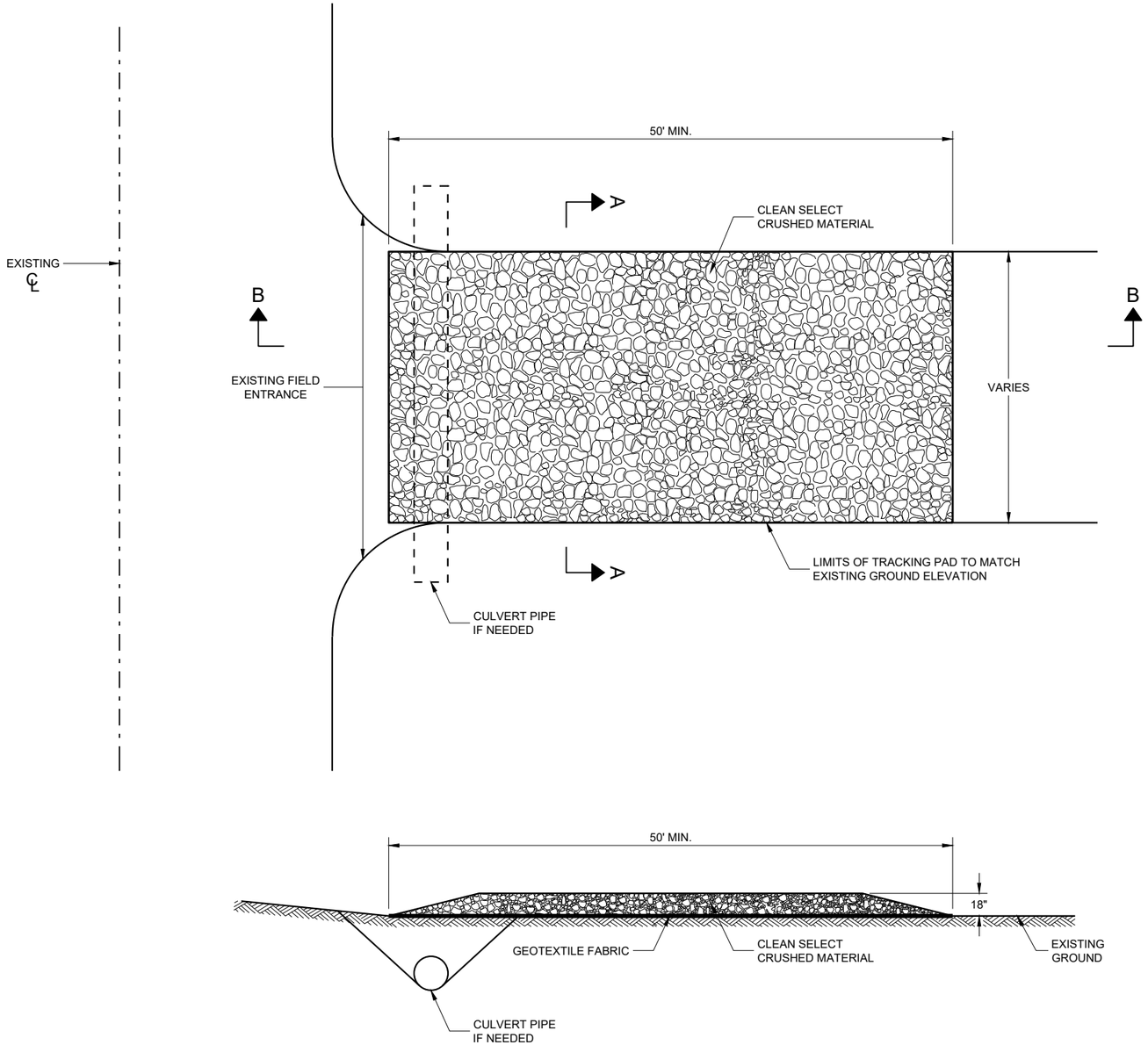
TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/4/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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SDD 08E11 - 02



SECTION B - B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

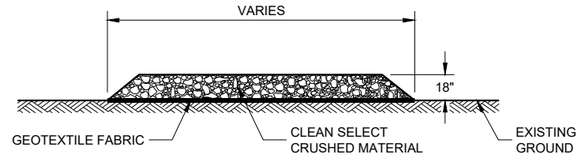
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

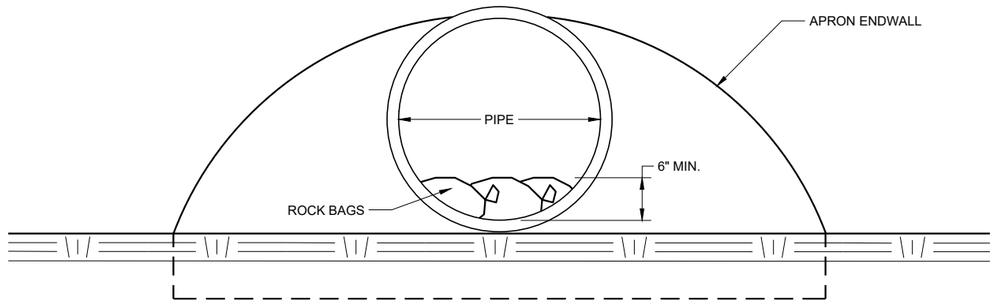
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

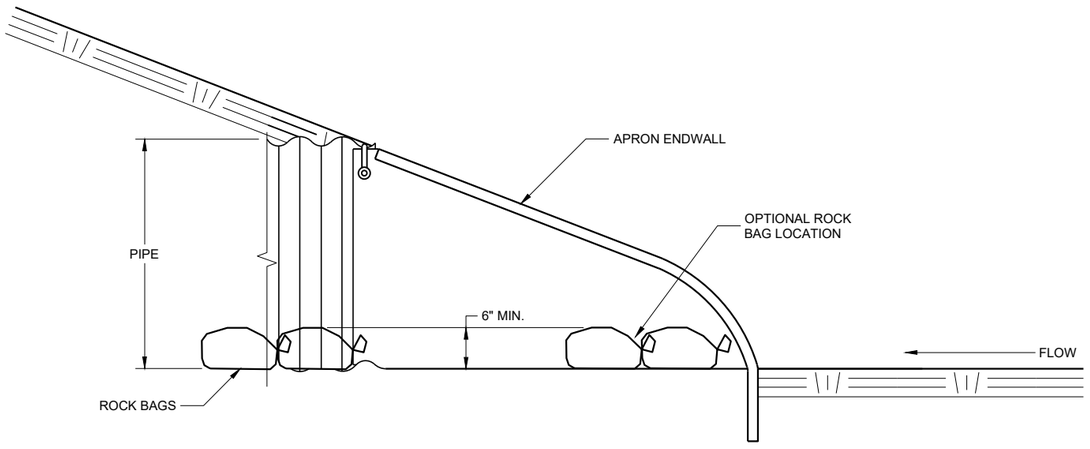
FHWA

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SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

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SDD 08E15 - 01

METAL APRON ENDWALLS

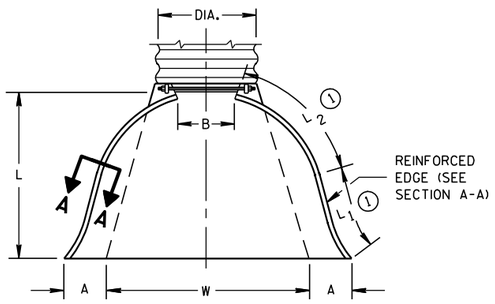
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

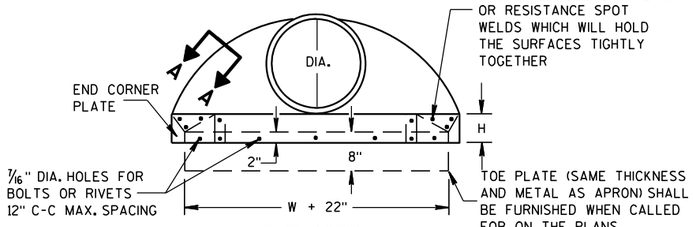
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

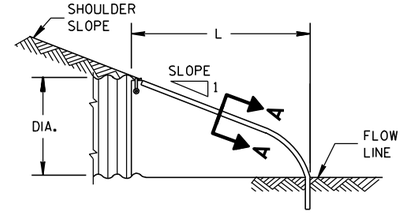
*MINIMUM
**MAXIMUM



PLAN VIEW

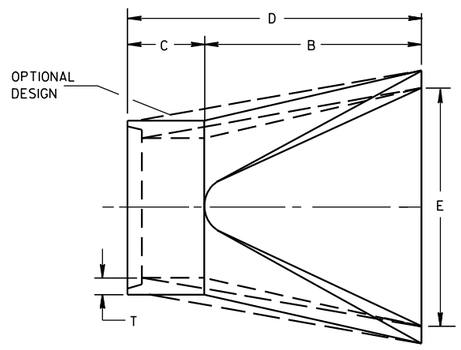


END VIEW

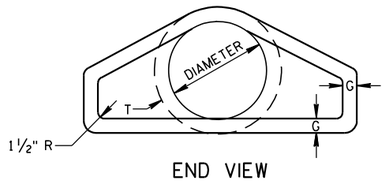


SIDE ELEVATION

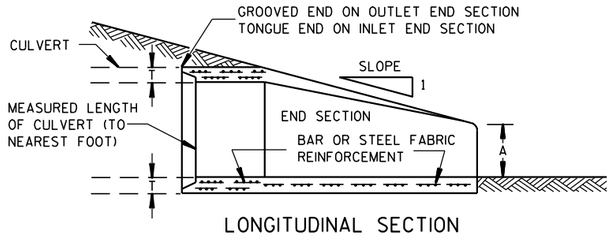
METAL ENDWALLS



PLAN

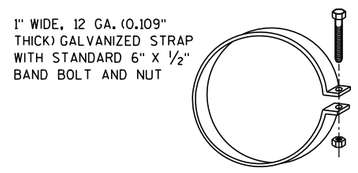


END VIEW



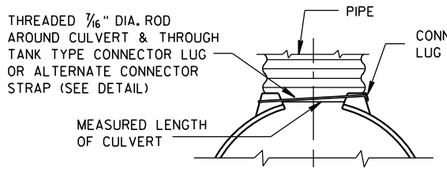
LONGITUDINAL SECTION

CONCRETE ENDWALLS

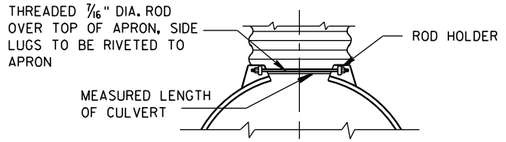


ALTERNATE FOR TYPE 1 CONNECTION

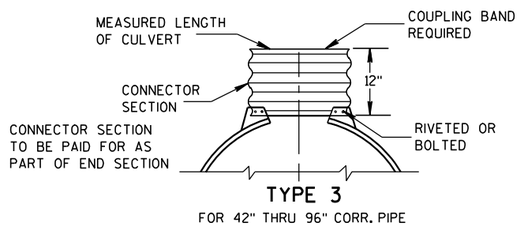
END SECTION CONNECTOR STRAP



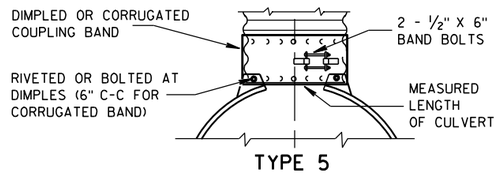
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

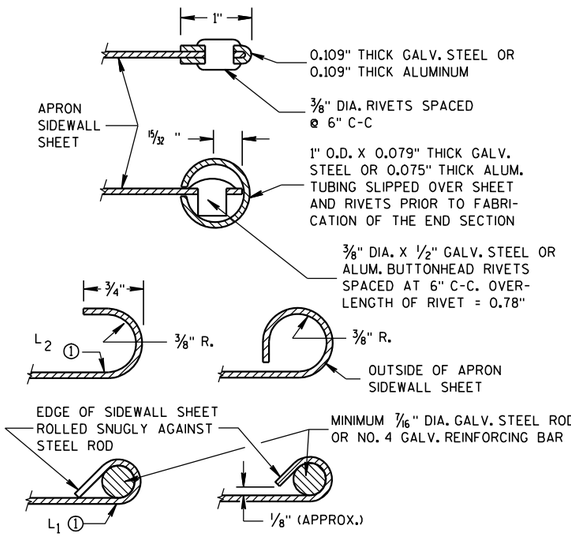
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

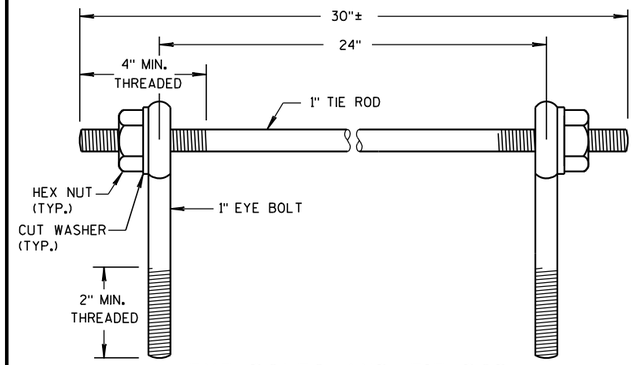
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

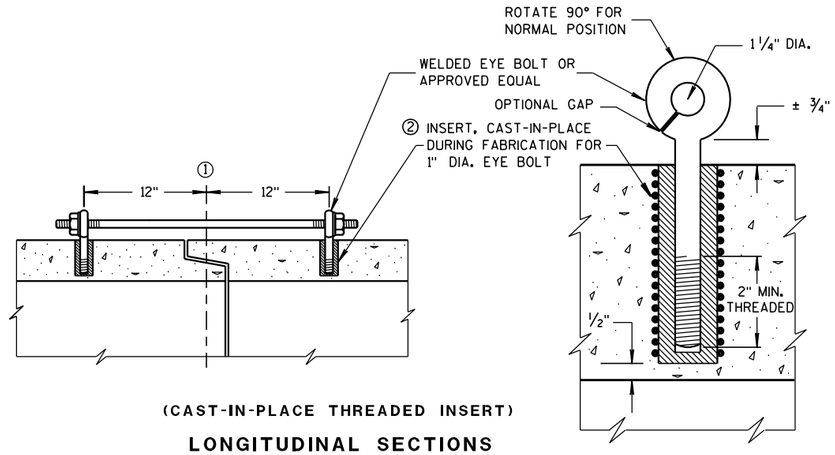
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 627 NEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

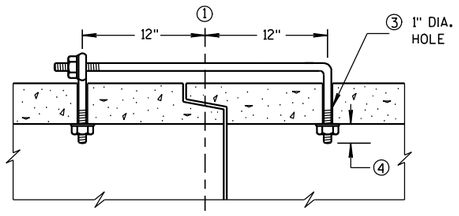
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

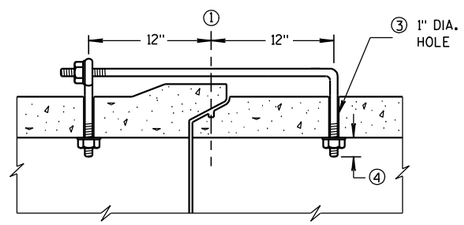
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

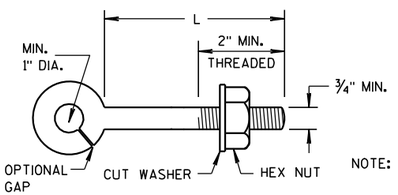


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

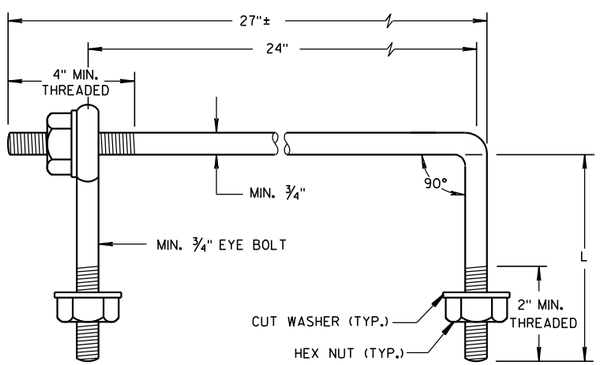
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

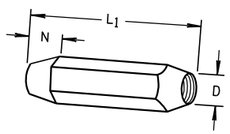
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

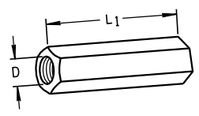
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



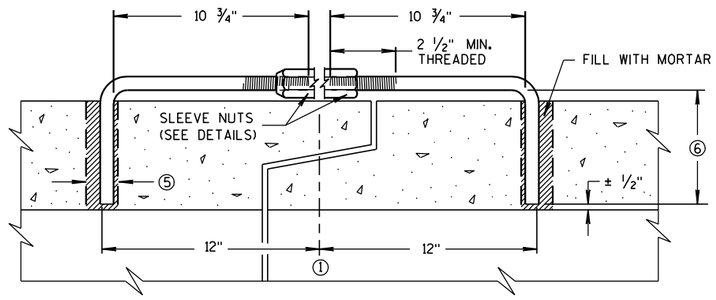
TAPERED



PLAIN

RIGHT AND LEFT THREADS

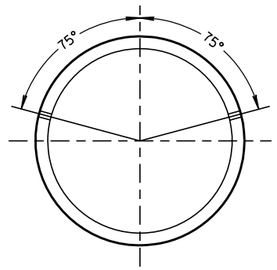
SLEEVE NUTS



LONGITUDINAL SECTION

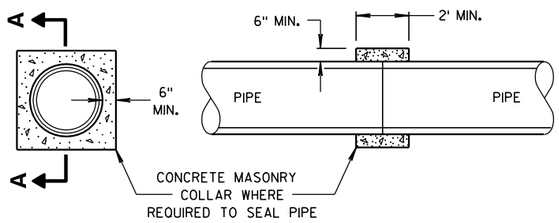
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

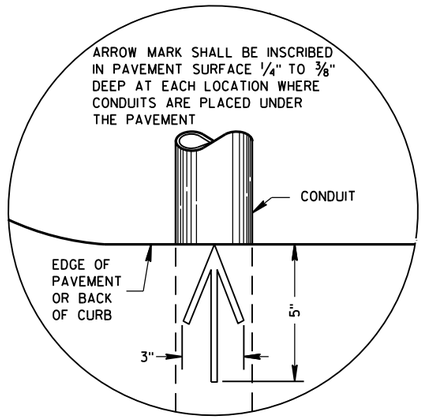
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
628 — DEVELOPMENT
FHWA

6

S.D.D. 8 F 4-7

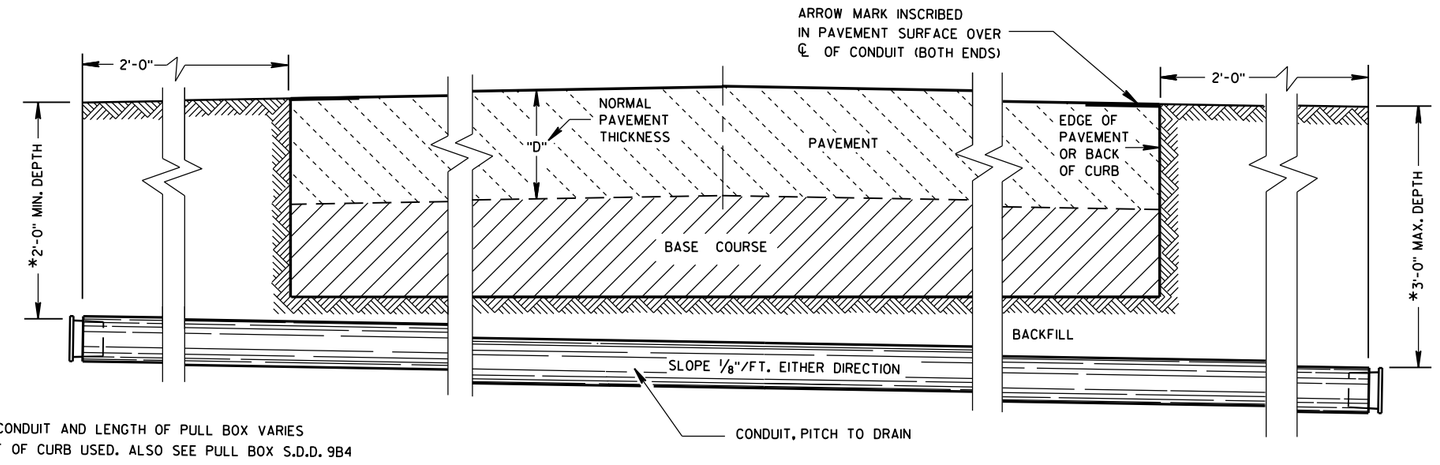
6

S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

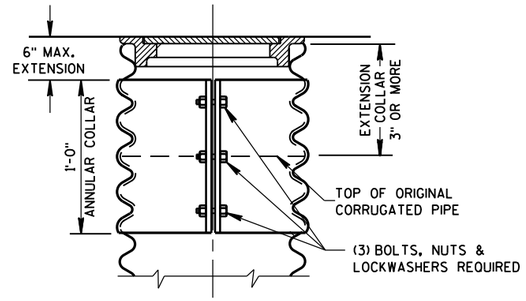
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

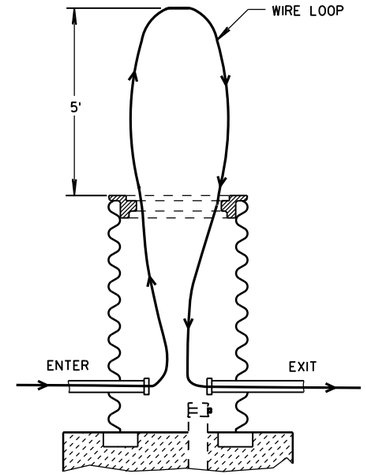
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

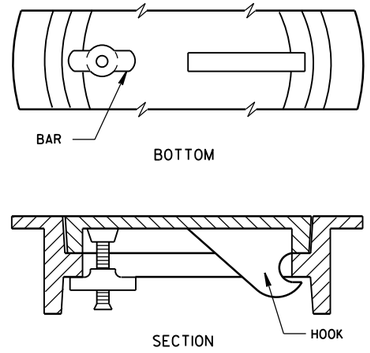
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

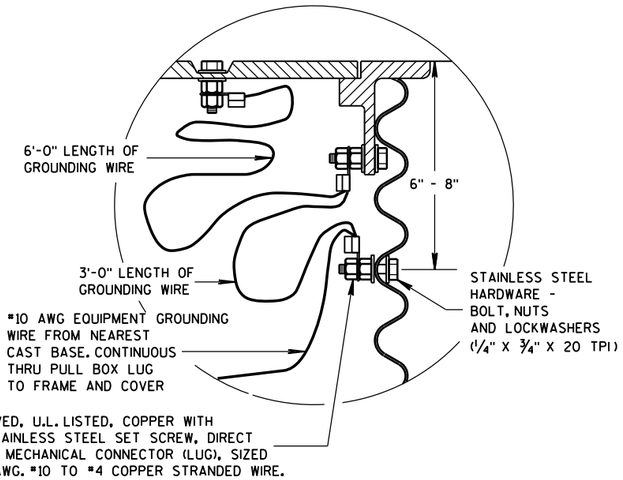


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

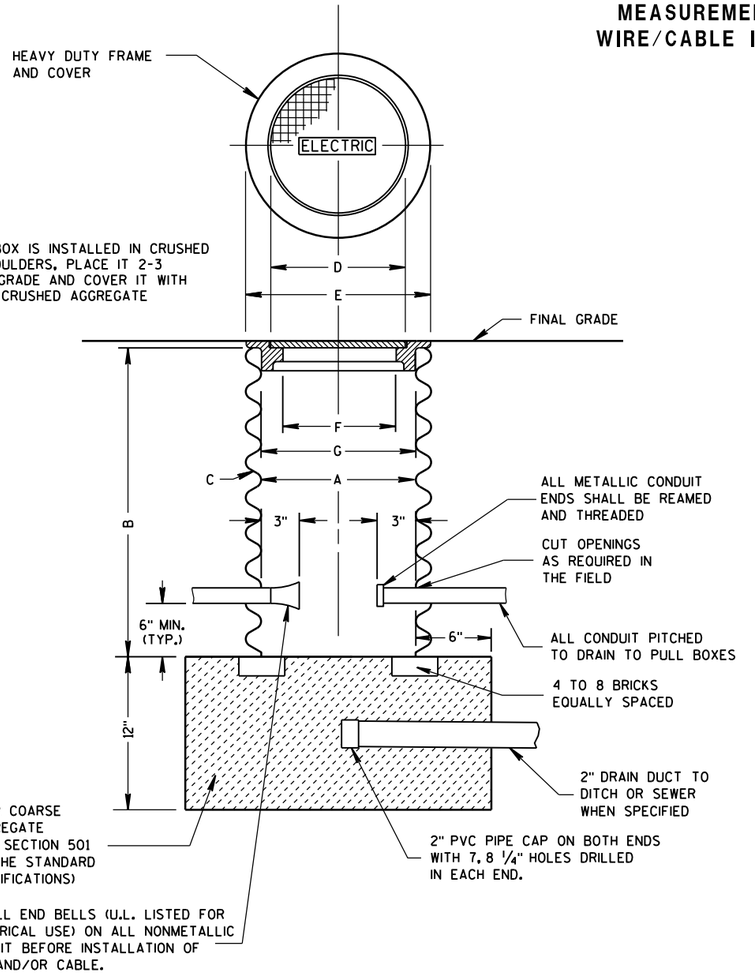


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

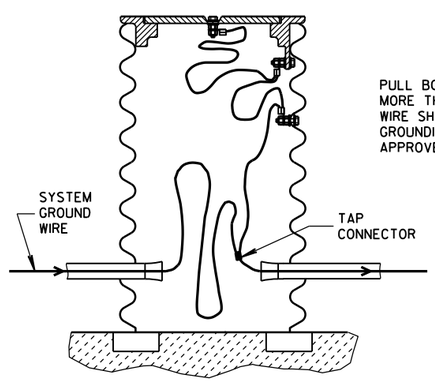
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 630
FHWA

6

S.D.D. 9 B 4-11

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

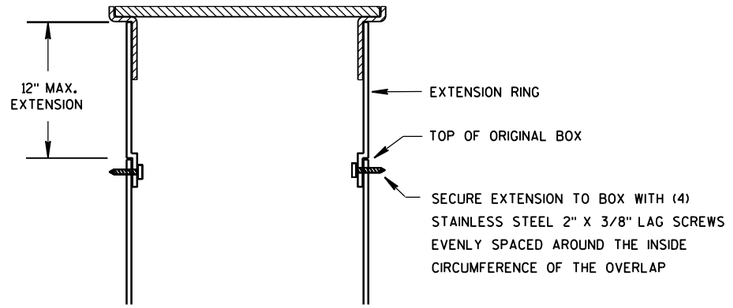
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

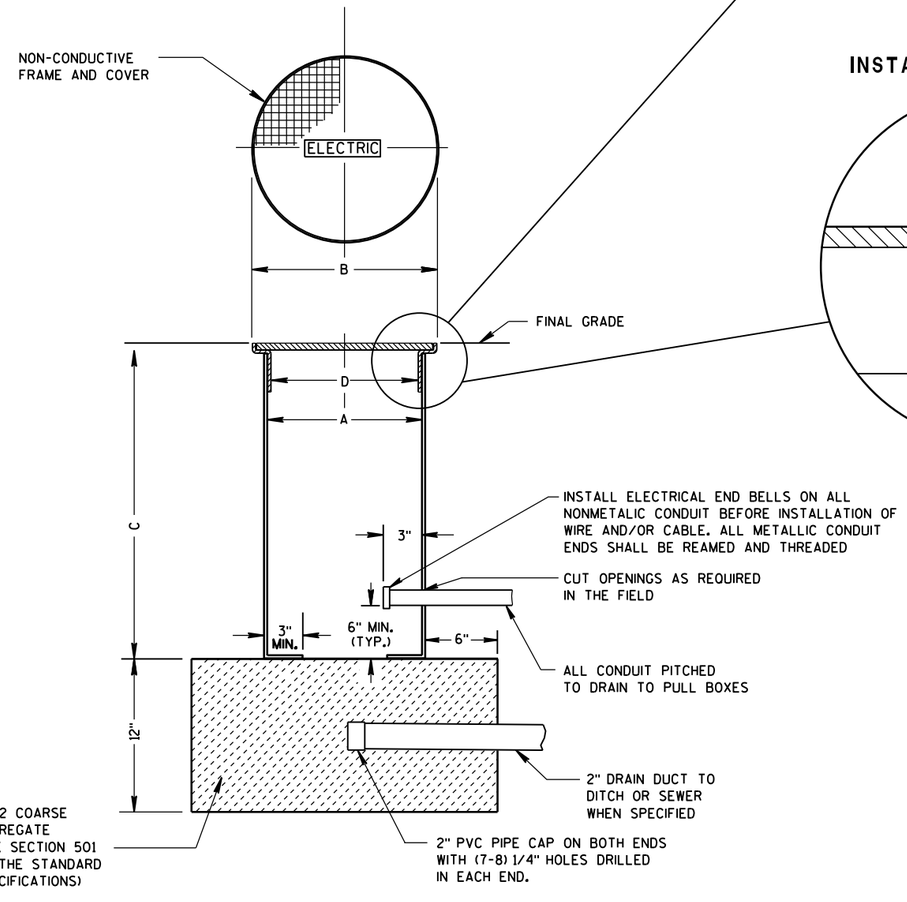
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.

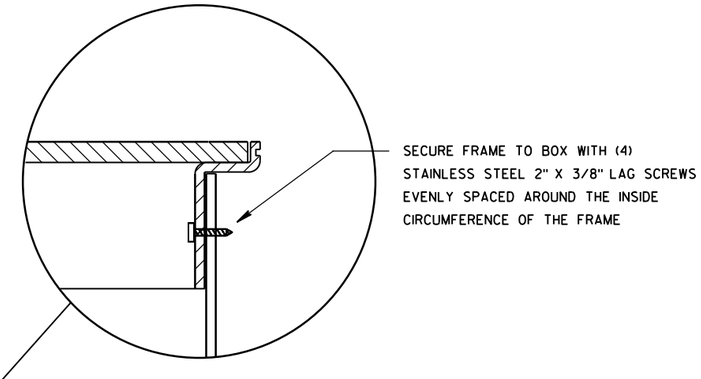


BOX EXTENSION

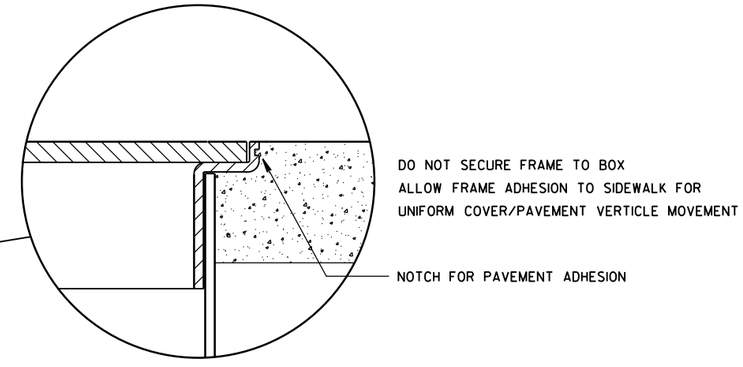


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



PULL BOX
NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 631
FHWA

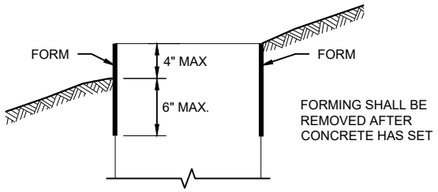
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S.D.D. 9 B 16-1

6

S.D.D. 9 B 16-1

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

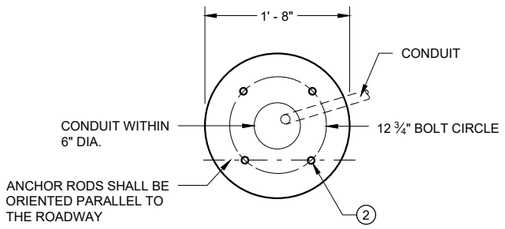
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

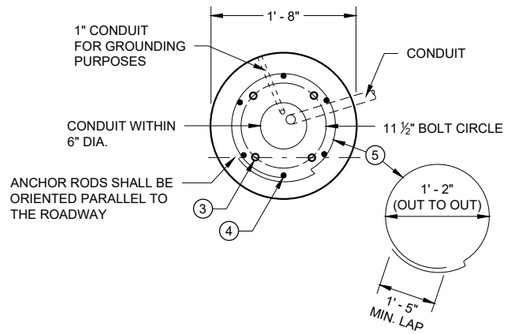
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

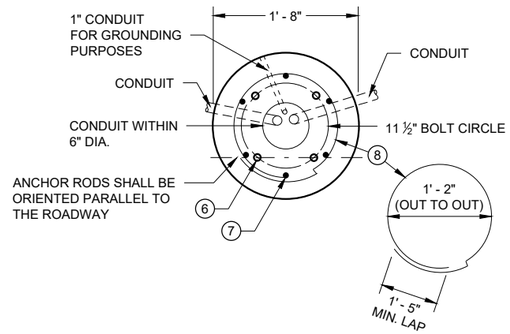
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

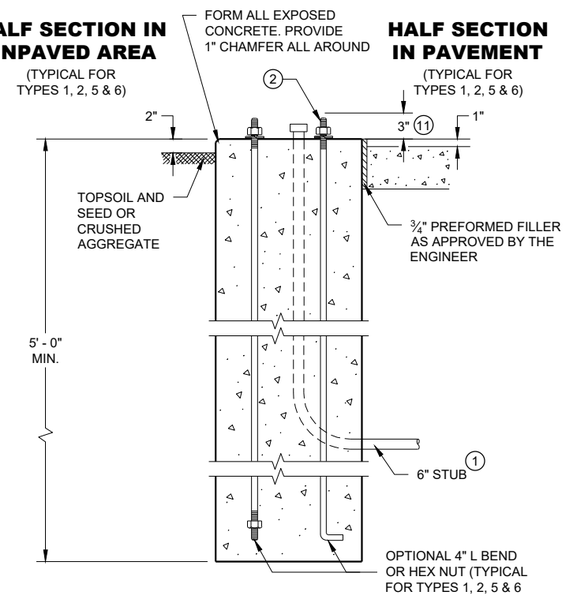
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

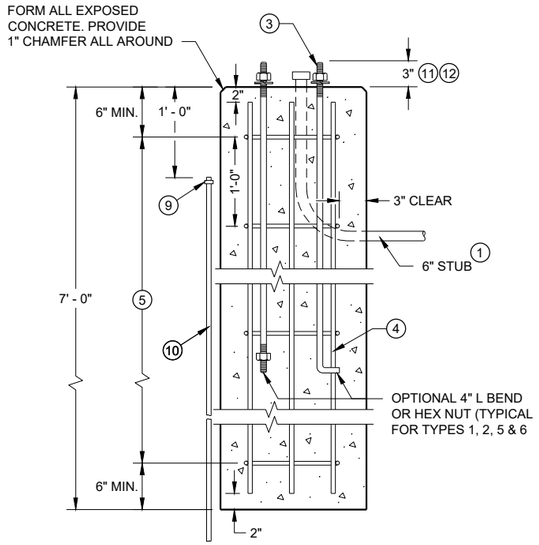
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

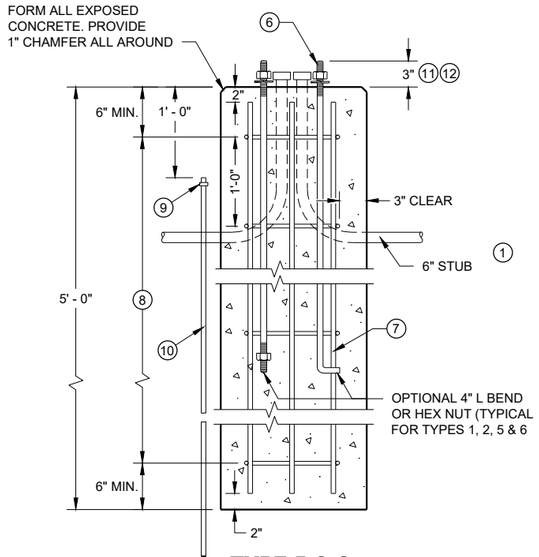
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 632
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

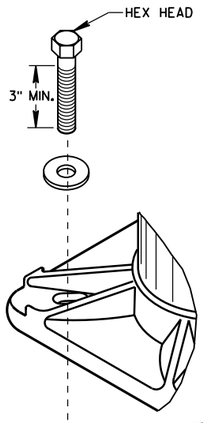
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

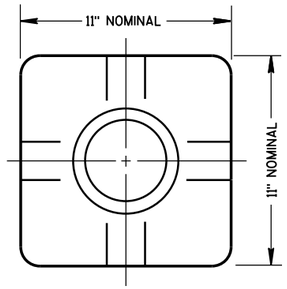
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

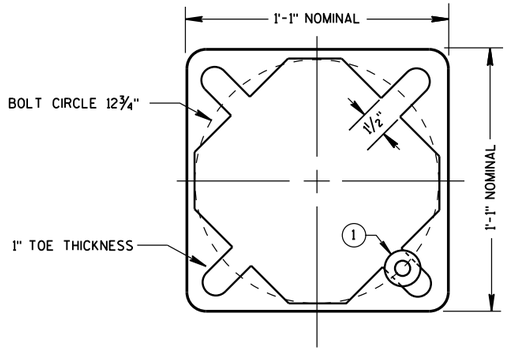
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

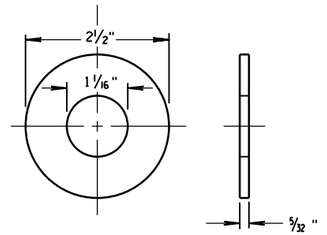




TOP VIEW
(PEDESTAL BASE)

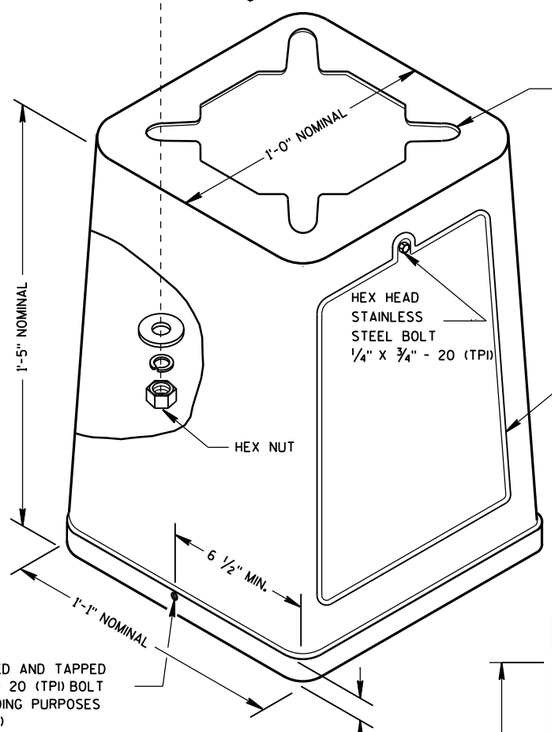


BOTTOM VIEW
(PEDESTAL BASE)

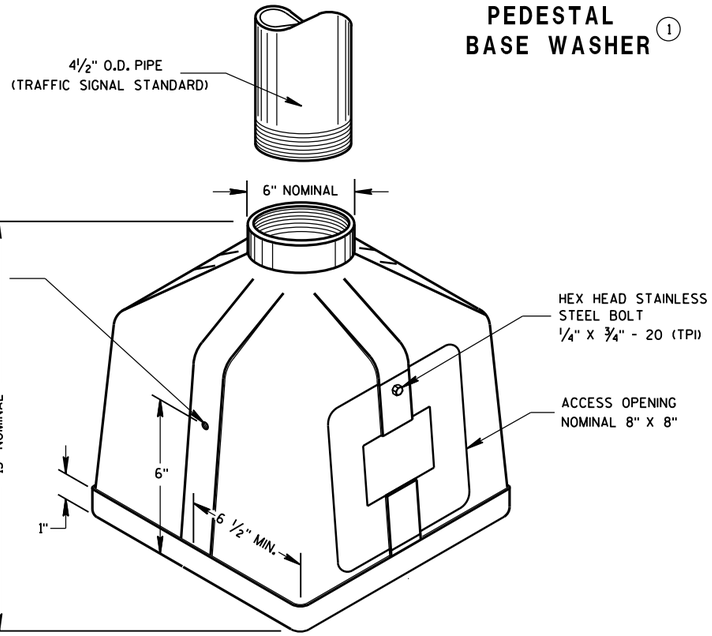


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

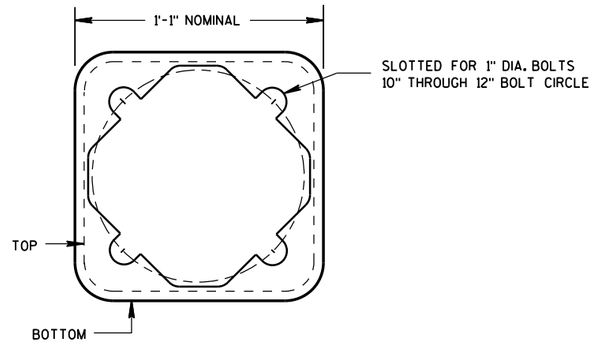


ISOMETRIC VIEW

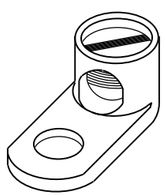


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

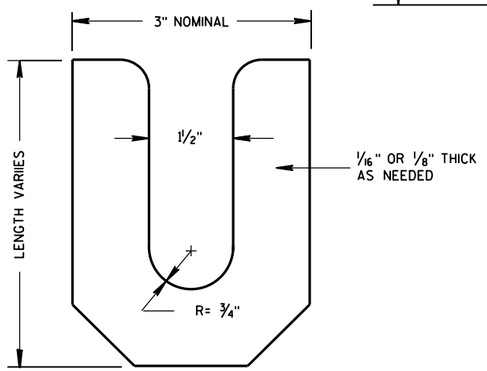


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

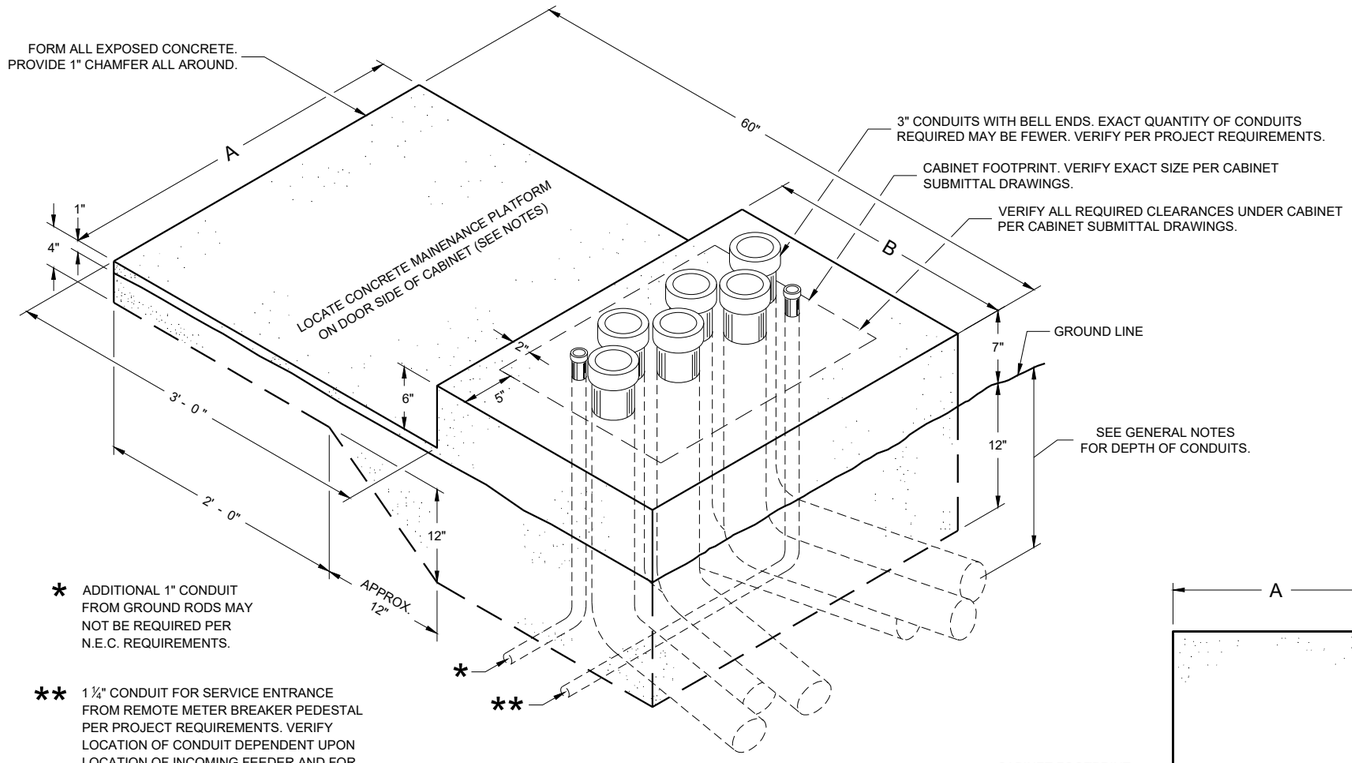
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 C 3-4

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S.D.D. 9 C 3-4



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

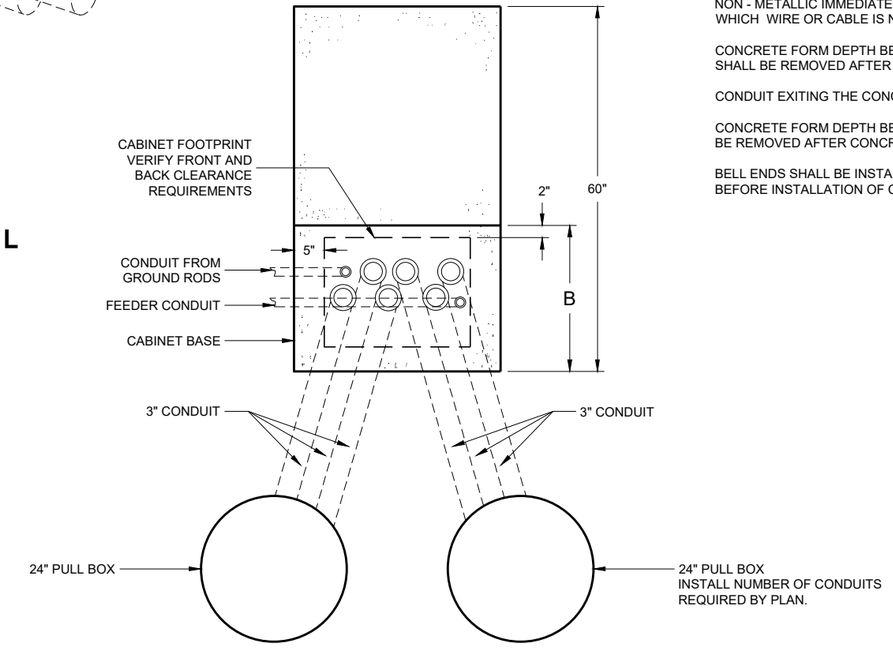
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

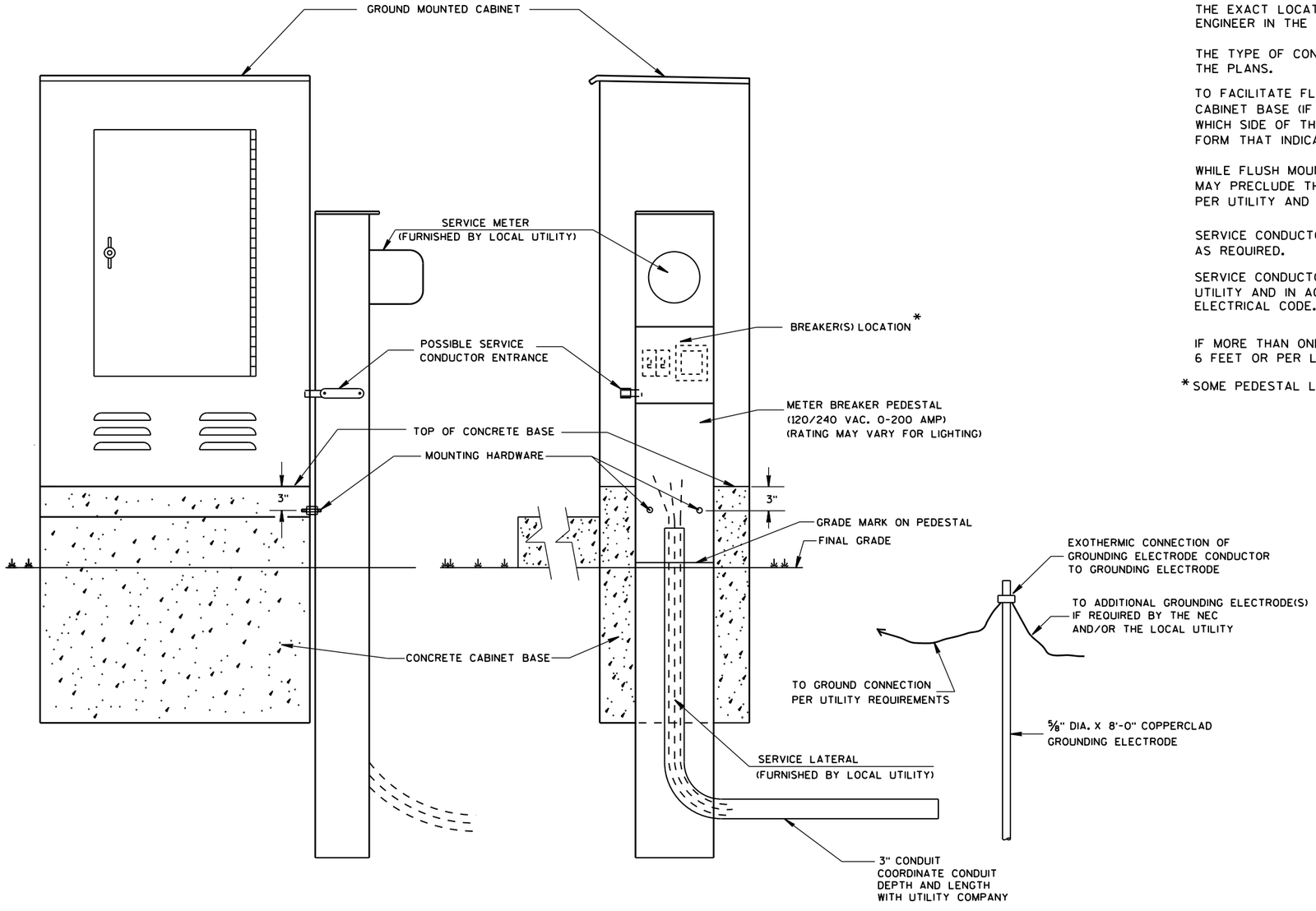
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 634

FHWA

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SDD 09C14 - 03



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

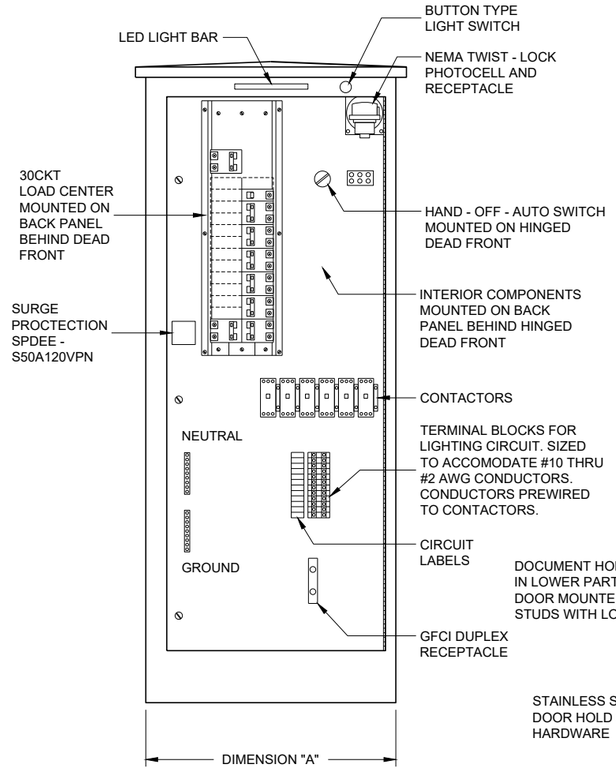
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

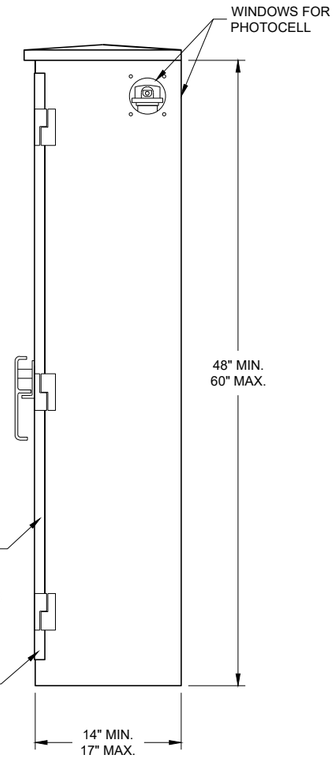
/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

FRONT INTERIOR ELEVATION



SIDE VIEW



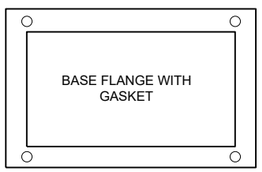
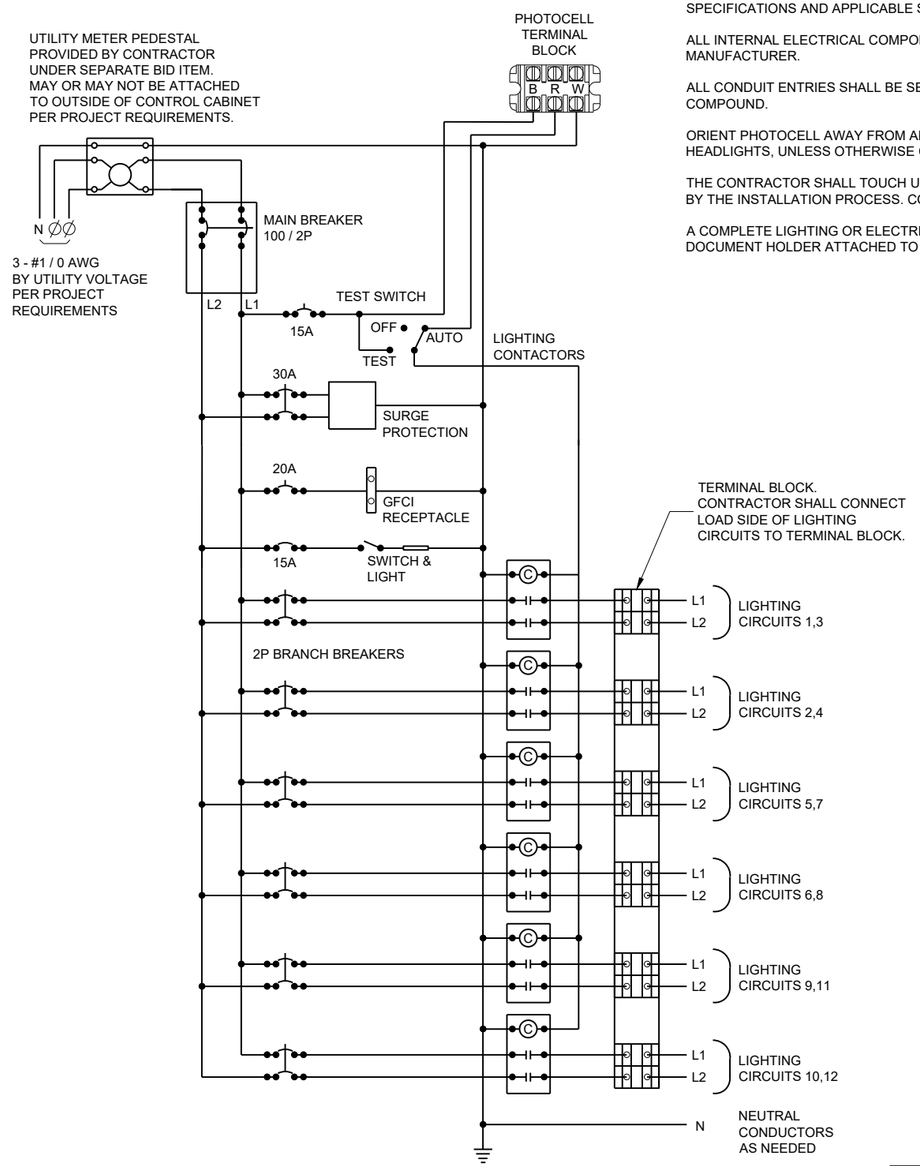


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

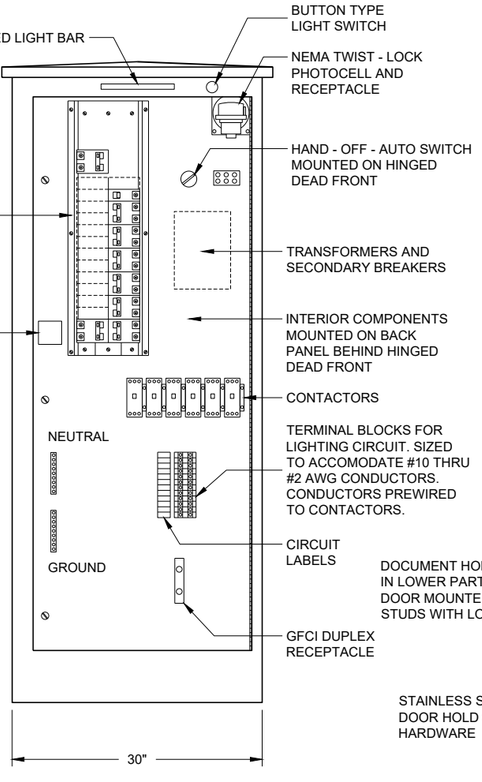
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 636

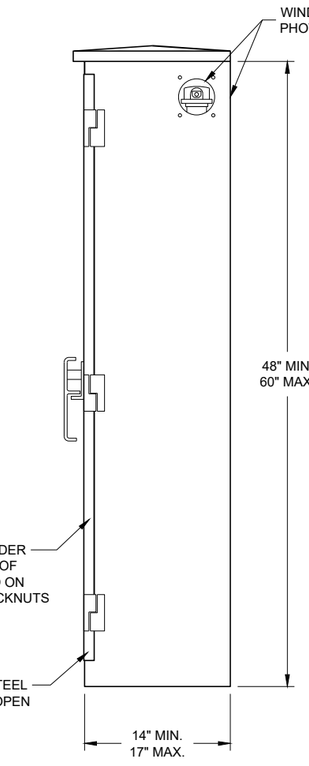
FHWA

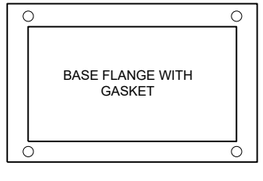
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SDD 09D04 - 03

FRONT INTERIOR ELEVATION

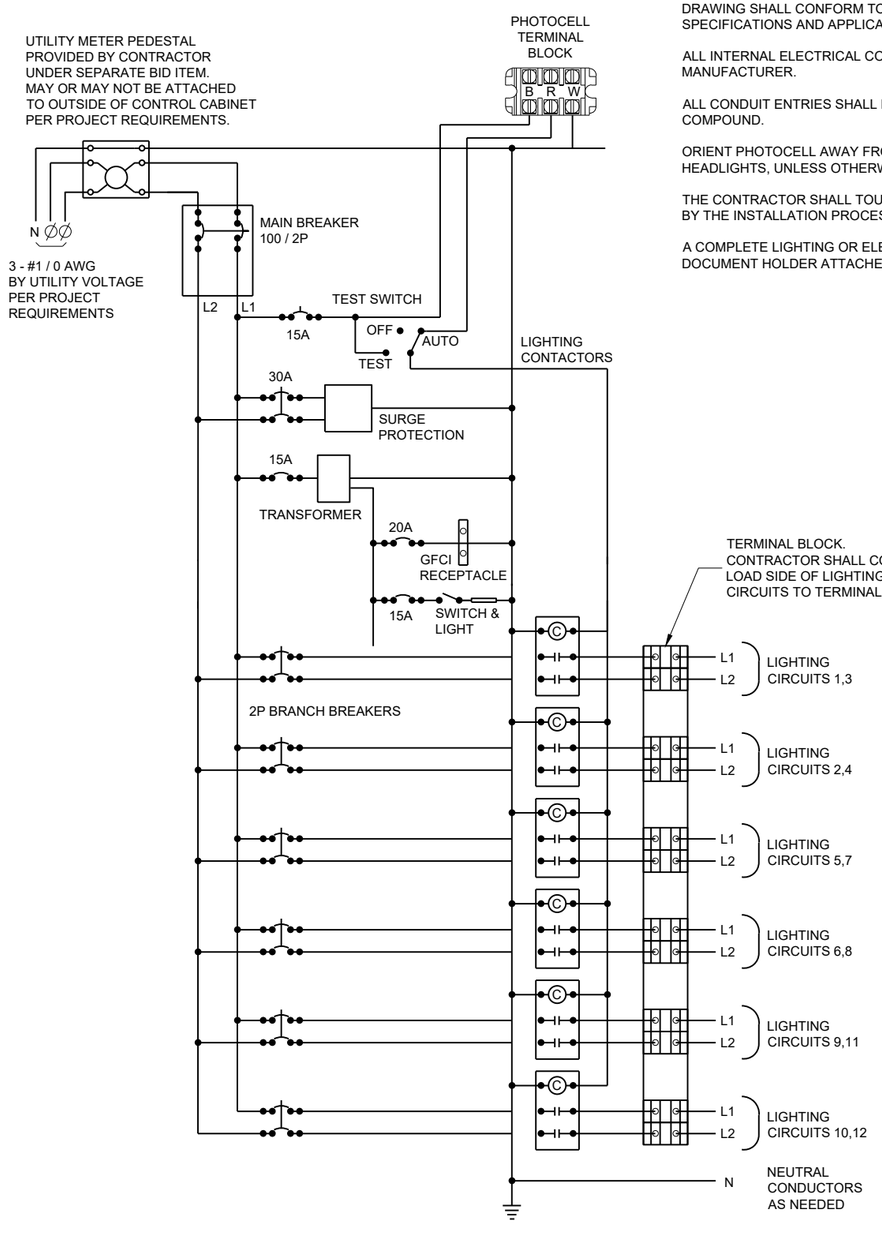


SIDE VIEW





LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

L30
LIGHTING CONTROL CABINET 240 / 480 VOLT

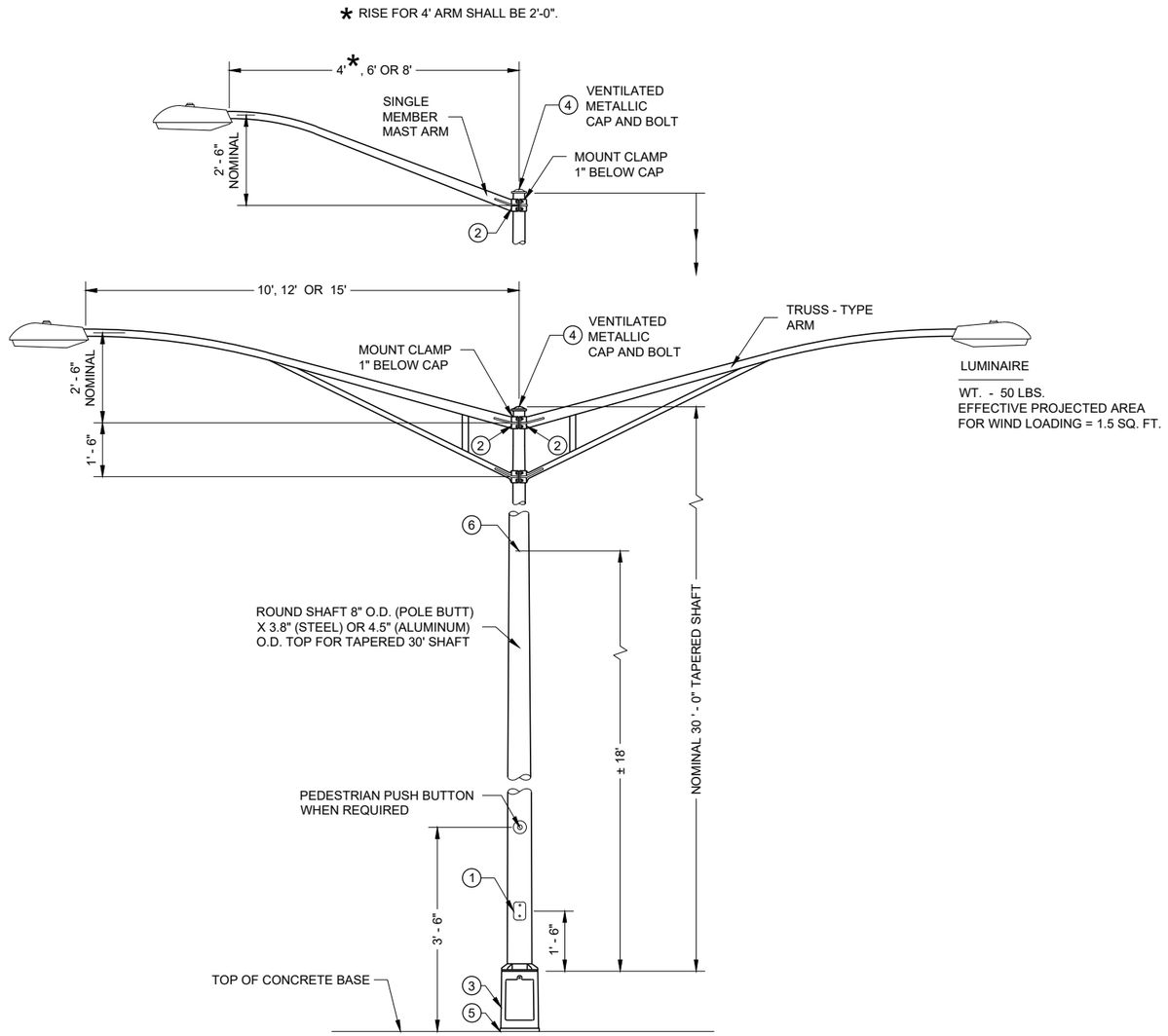
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 637

FHWA

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SDD 09D05 - 02



TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

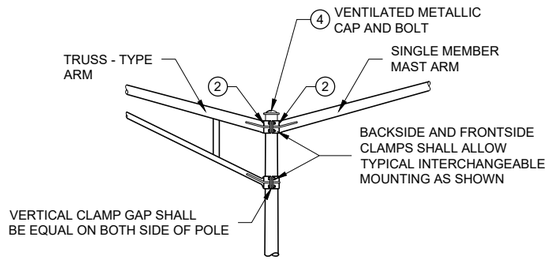
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

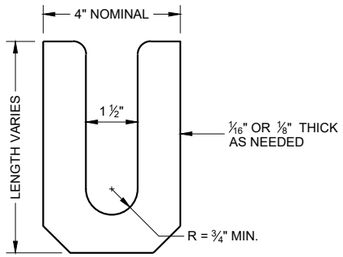
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 638

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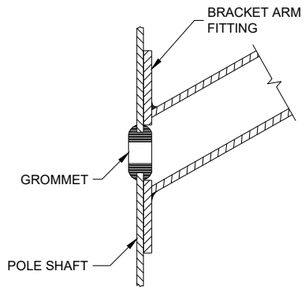
SDD 09E01 - 15d

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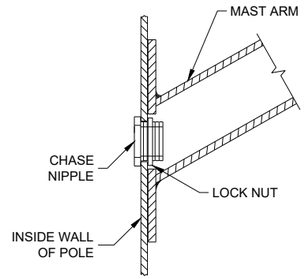
SDD 09E01 - 15d



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

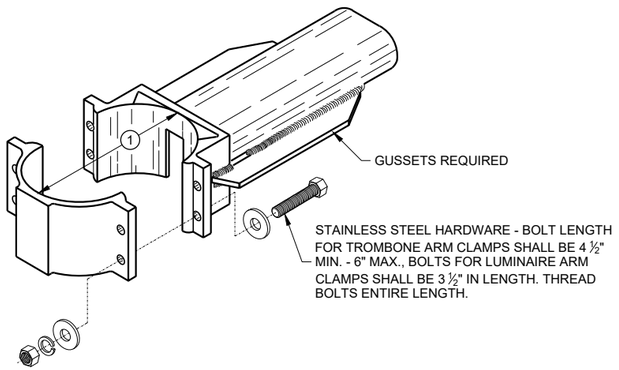
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

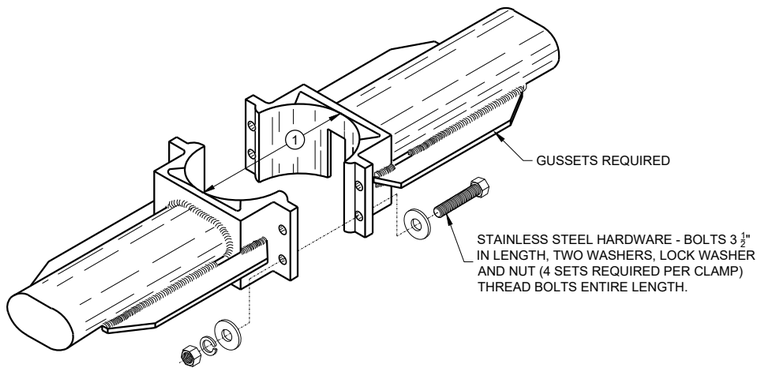
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

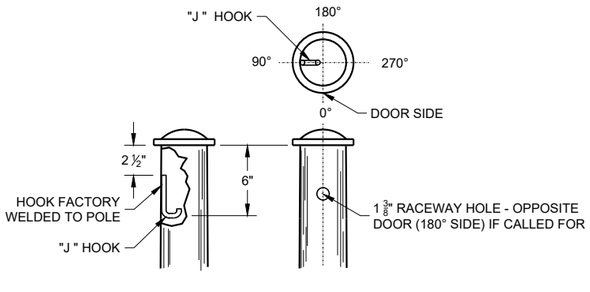
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



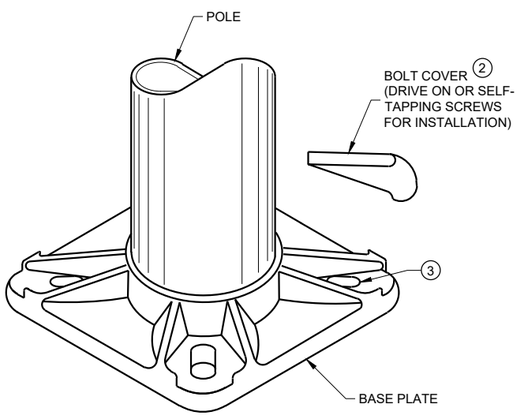
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



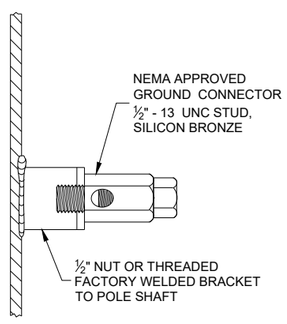
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

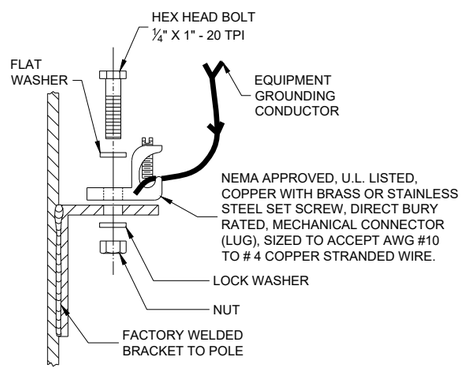


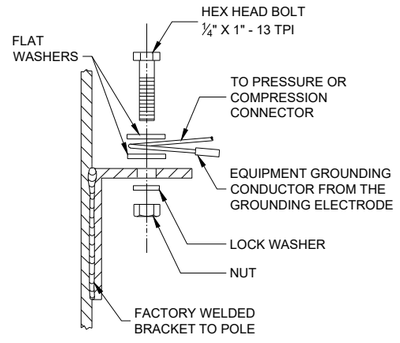
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 639

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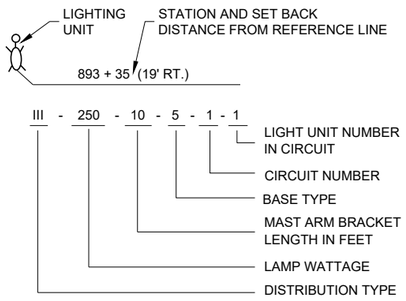
SDD 09A01 - 15g

GENERAL NOTES

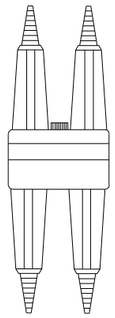
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

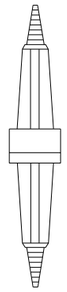
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



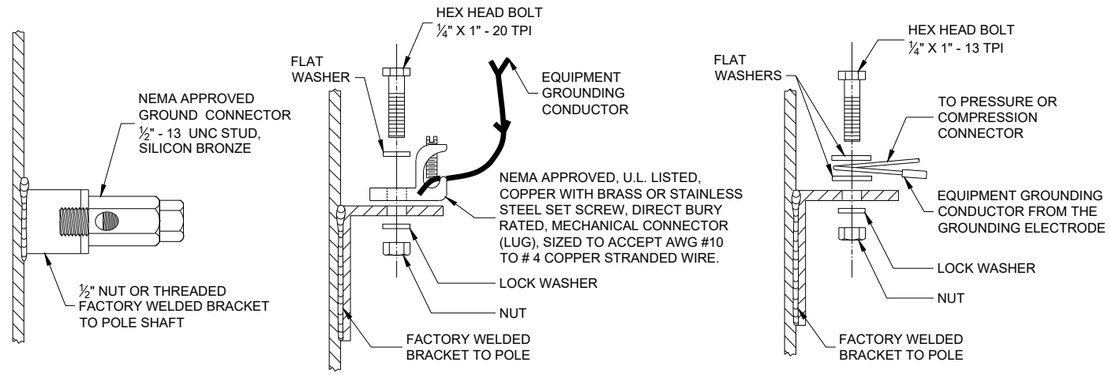
LIGHTING UNIT CODE
(TYPICAL)



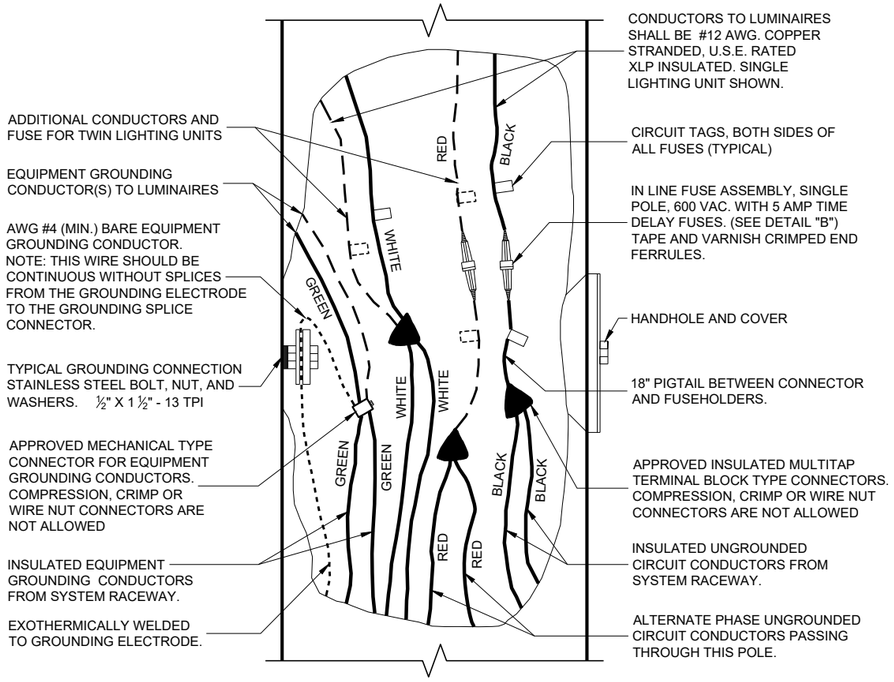
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



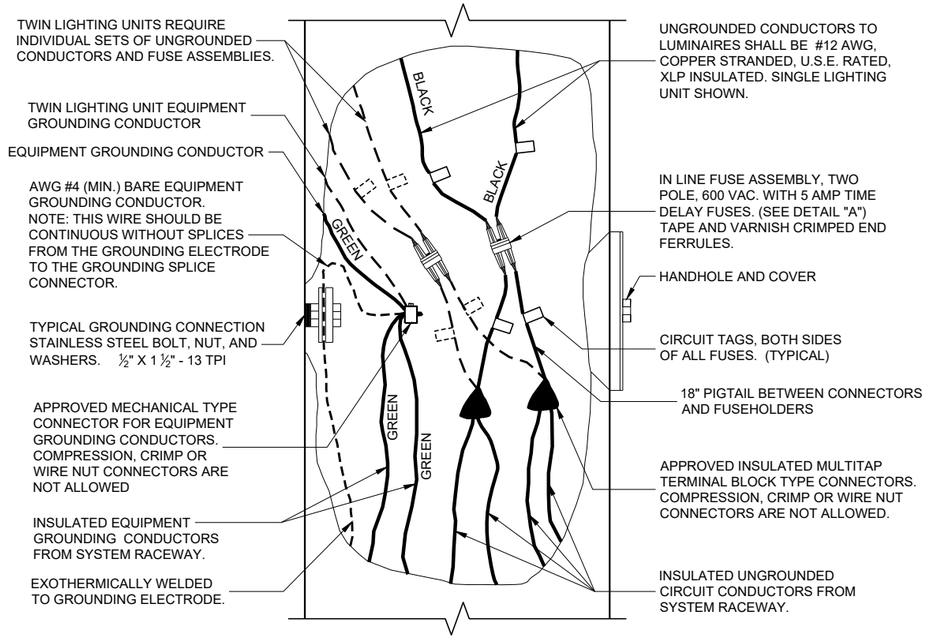
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

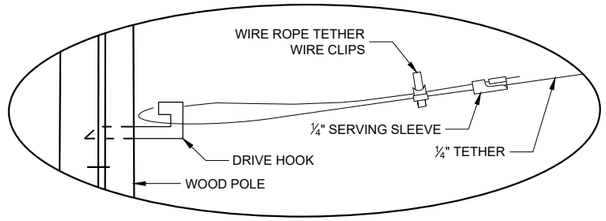
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 640

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SDD 09E03 - 06

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

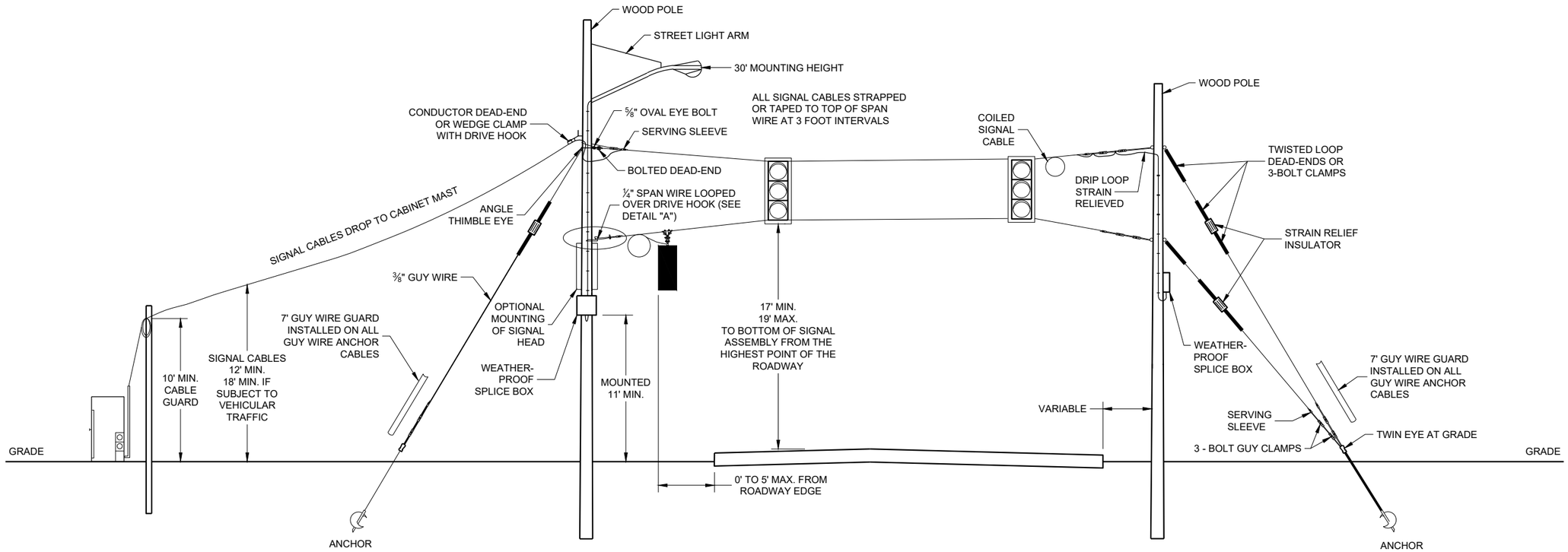


DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 641

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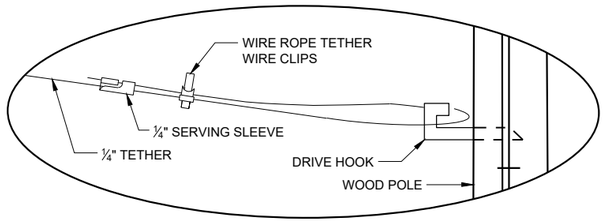
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SDD09G01 - 04a

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SDD09G01 - 04a

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

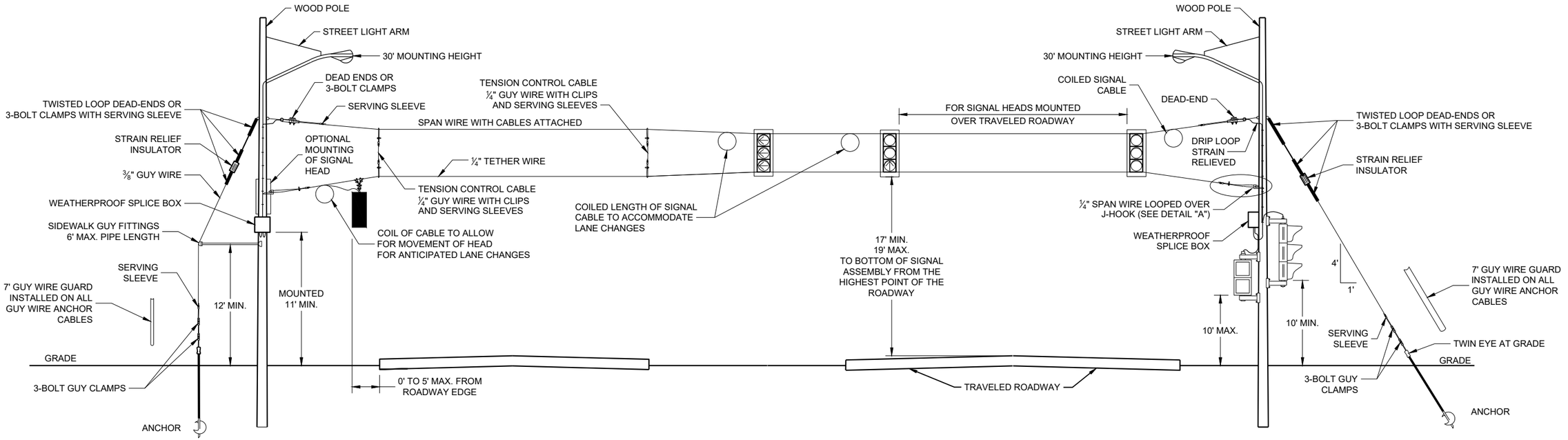


DETAIL "A"

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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
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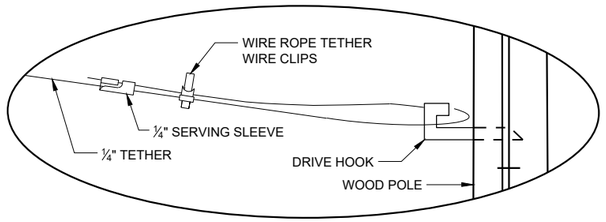
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SDD09G01 - 04b

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SDD09G01 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

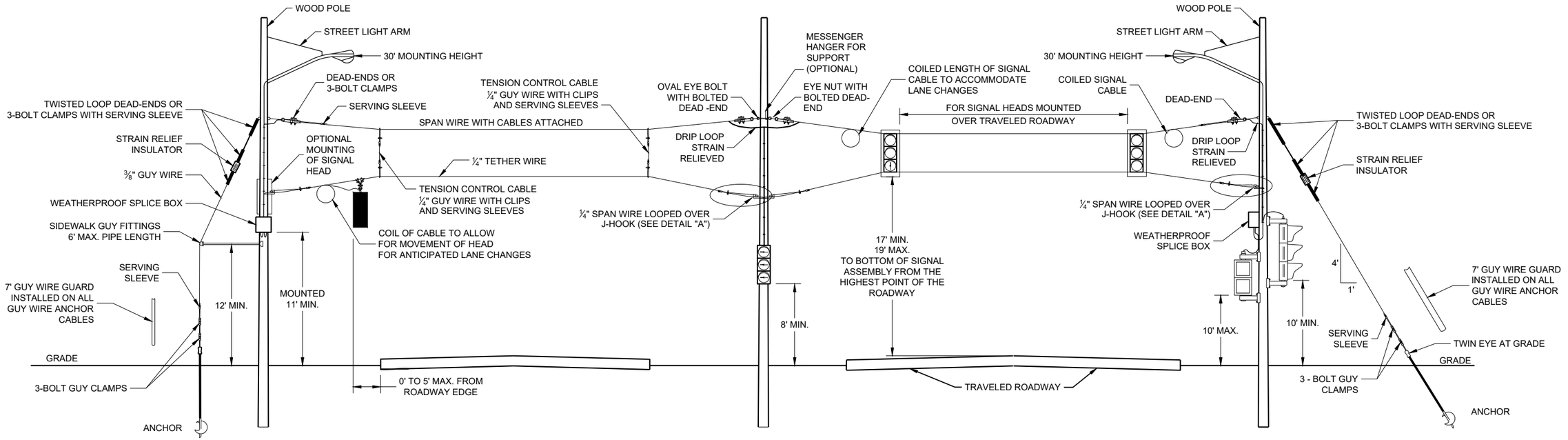


DETAIL "A"

GENERAL NOTES

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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2015
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STATE ELECTRICAL ENGI 643

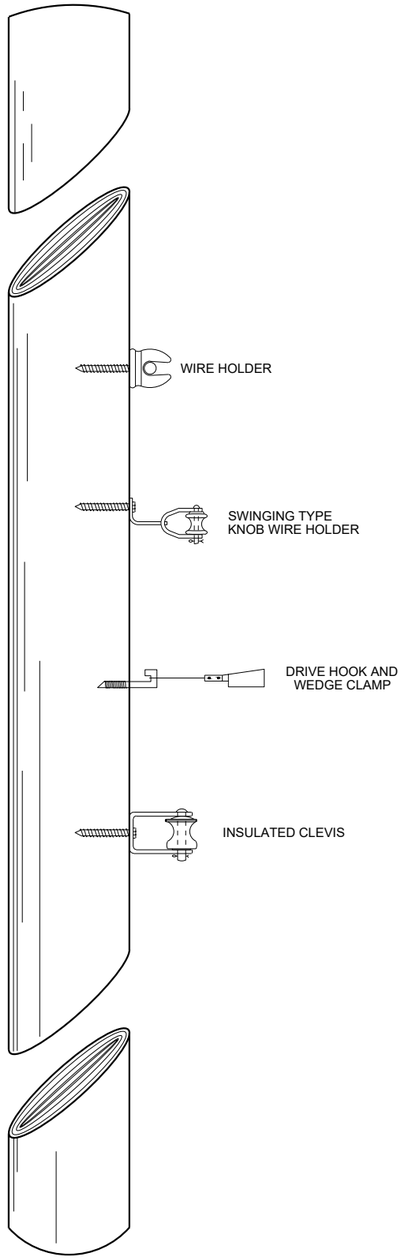
FHWA

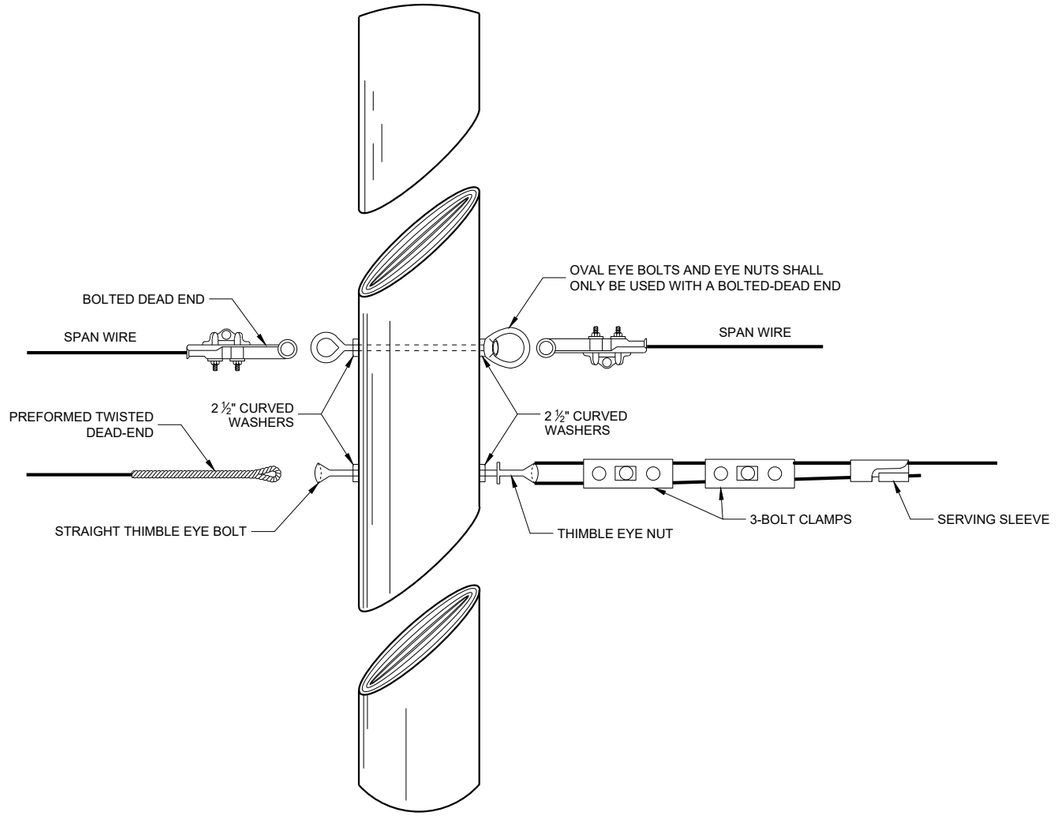
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SDD09G01 - 04c

SDD09G01 - 04c





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SDD 09G01 - 4d

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

644

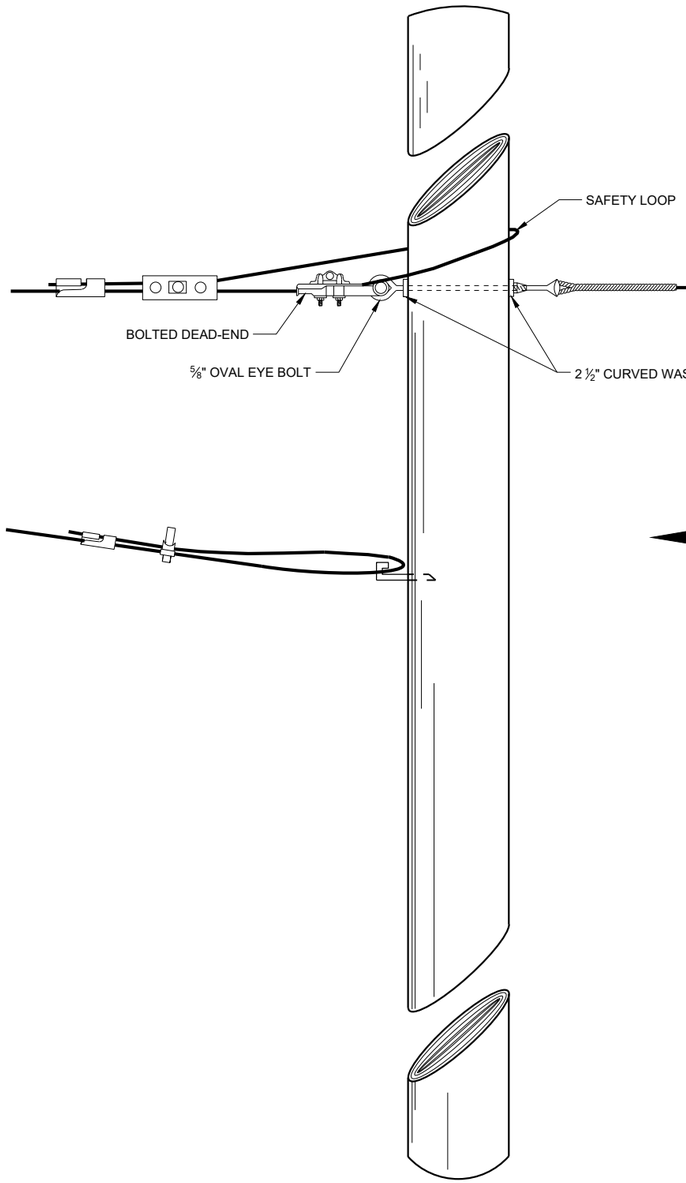
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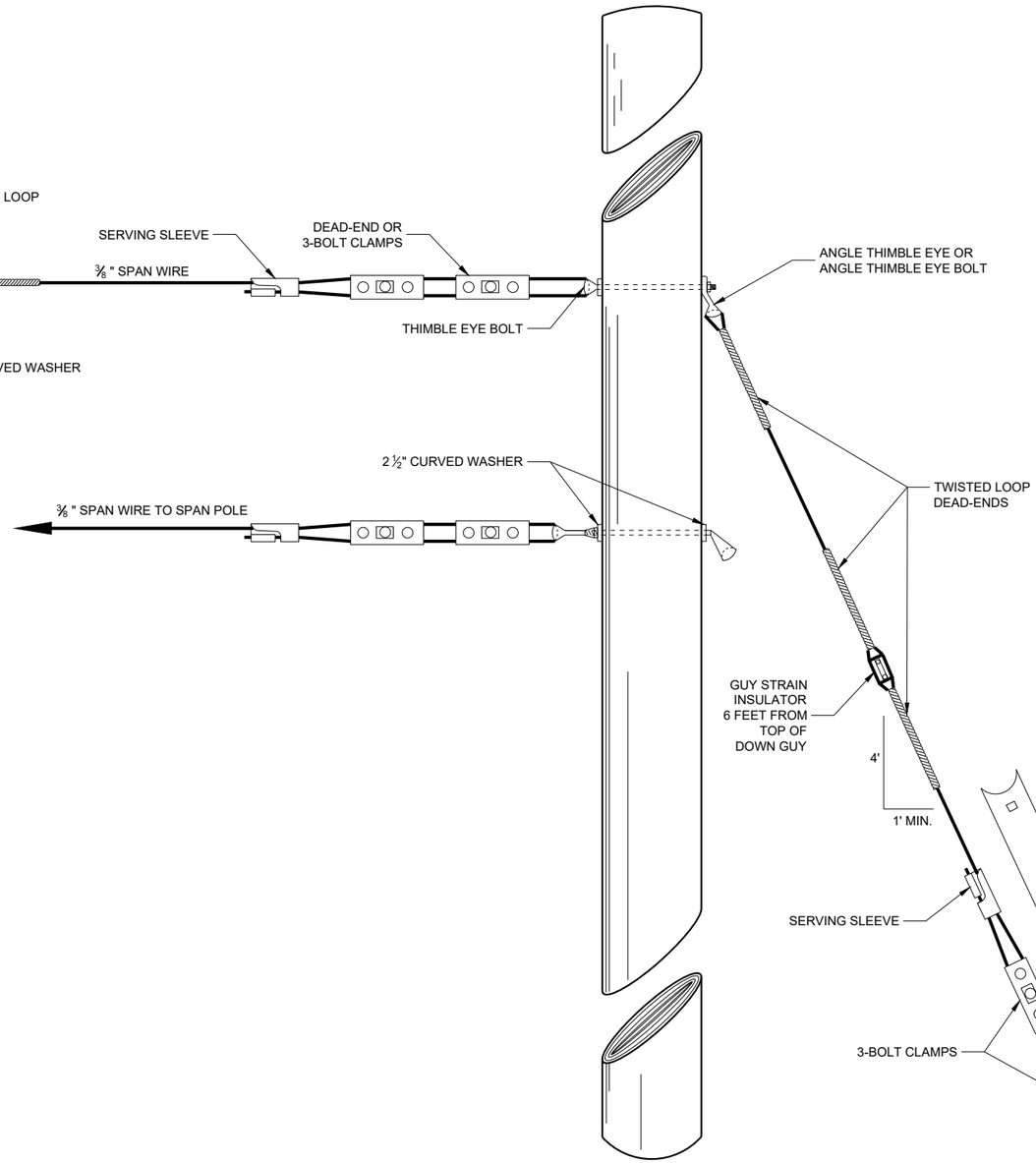
SDD 09G01 - 4d

GENERAL NOTES

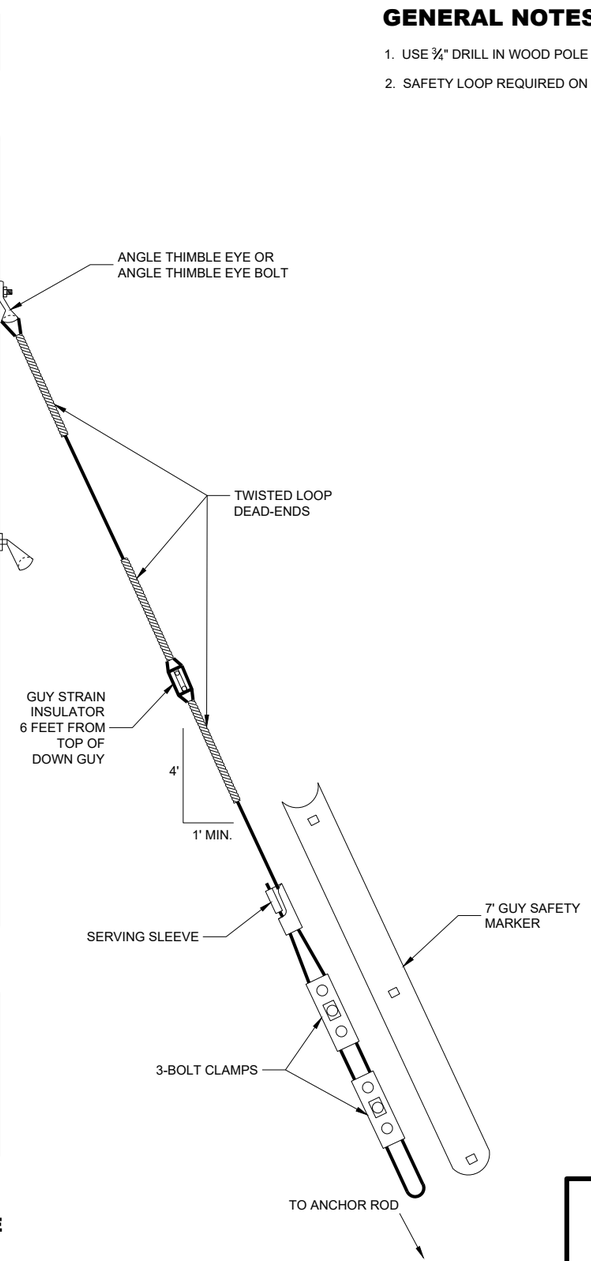
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

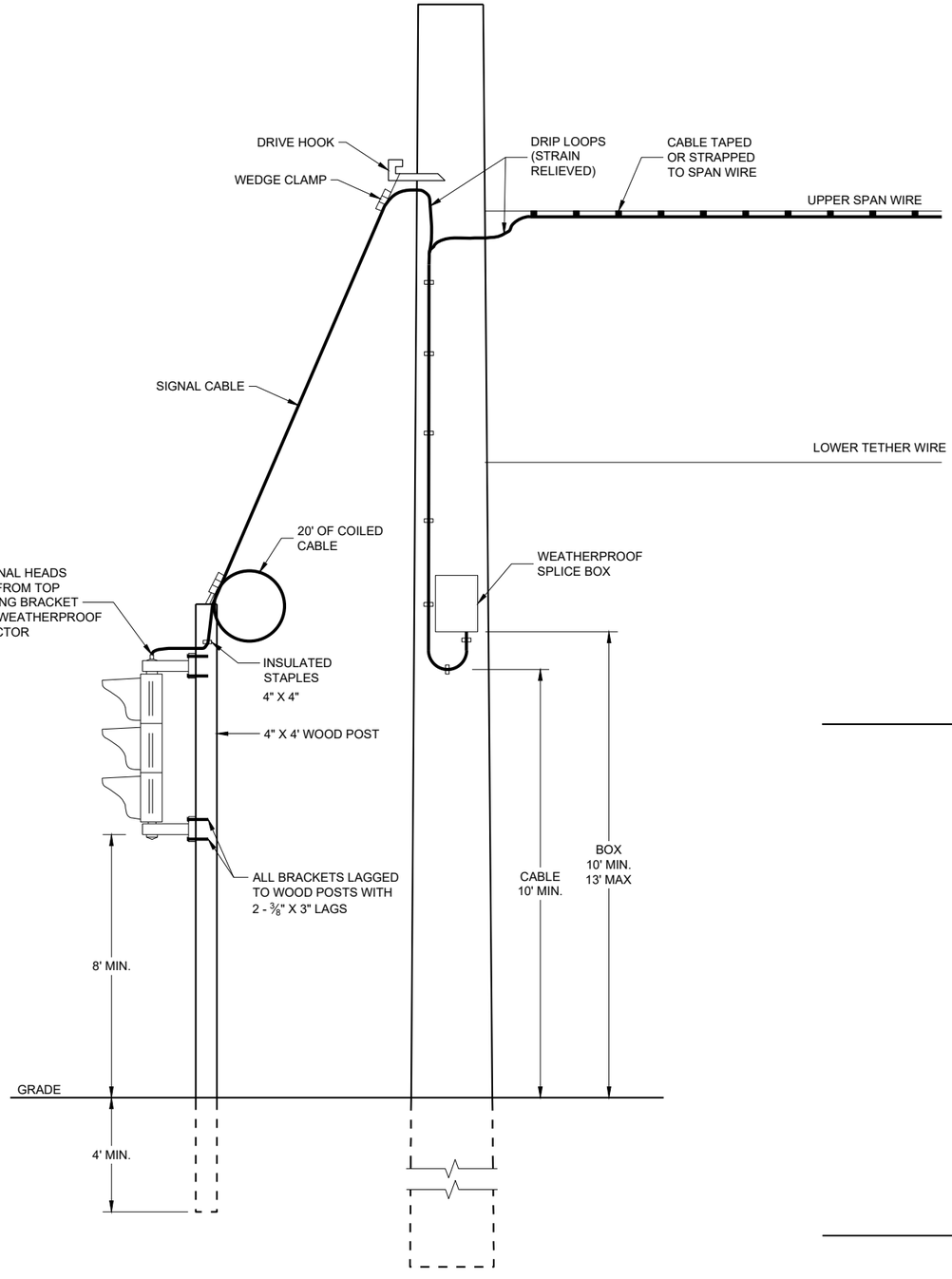
APPROVED
June 2015
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/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

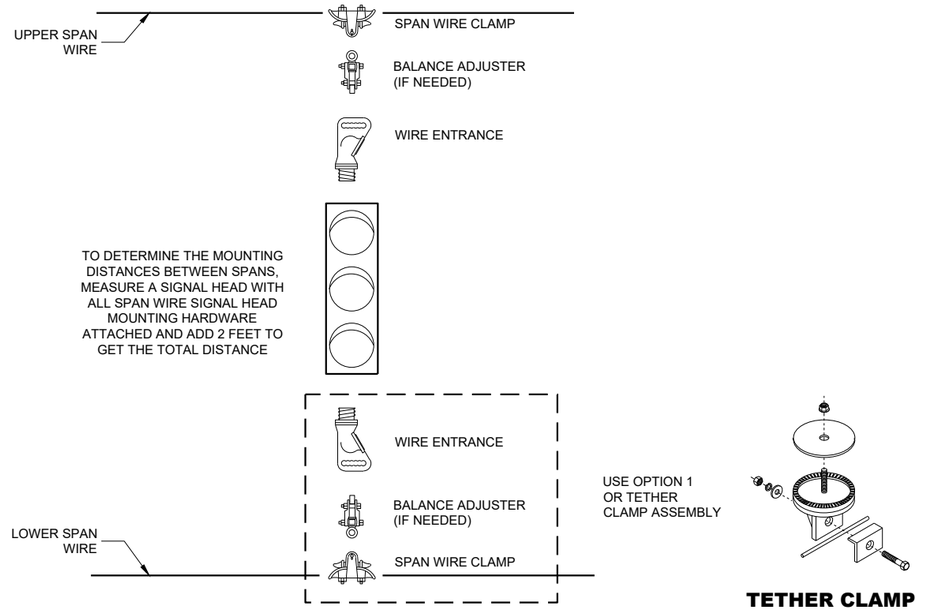
FHWA

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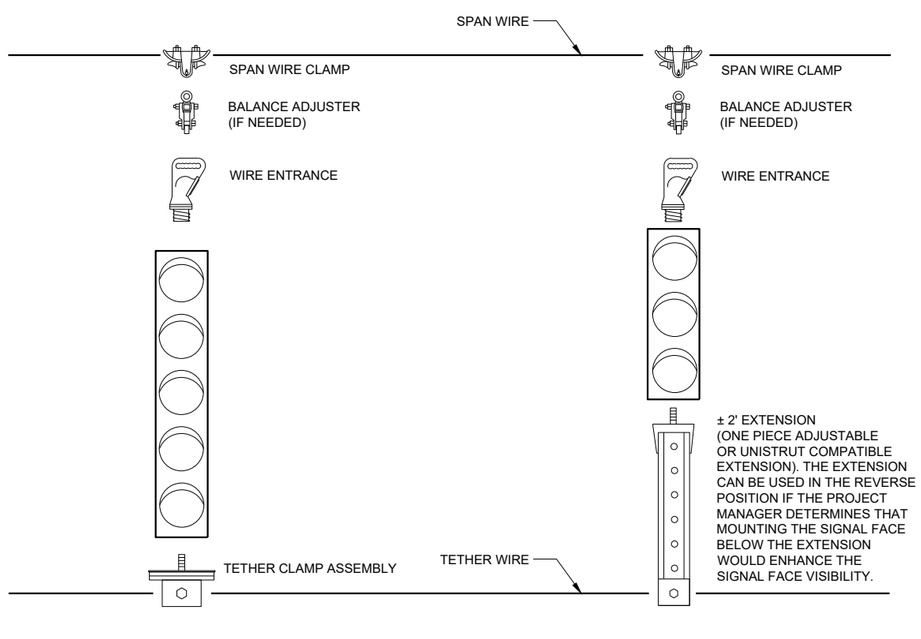
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

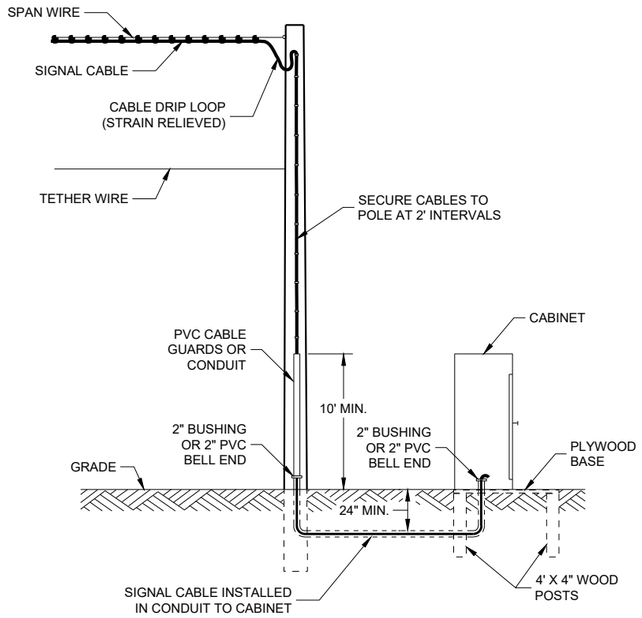
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

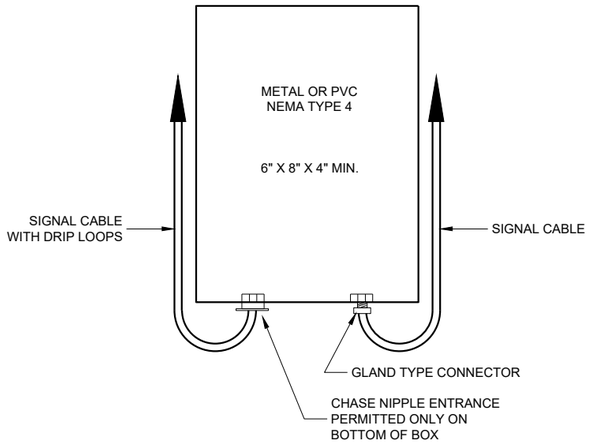
APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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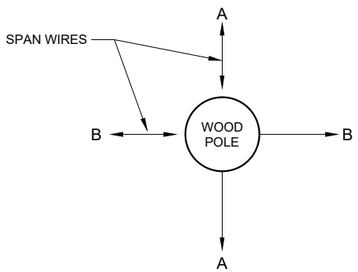
SDD 09G01 - 4f





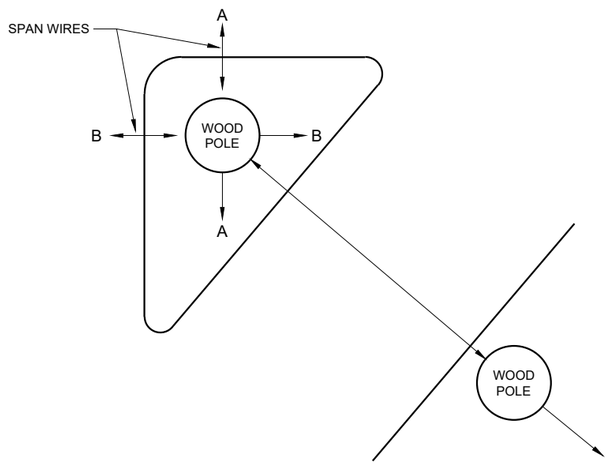
SPLICE BOX

TYPICAL SKID TYPE TEMPORARY

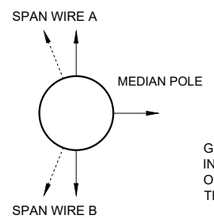


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

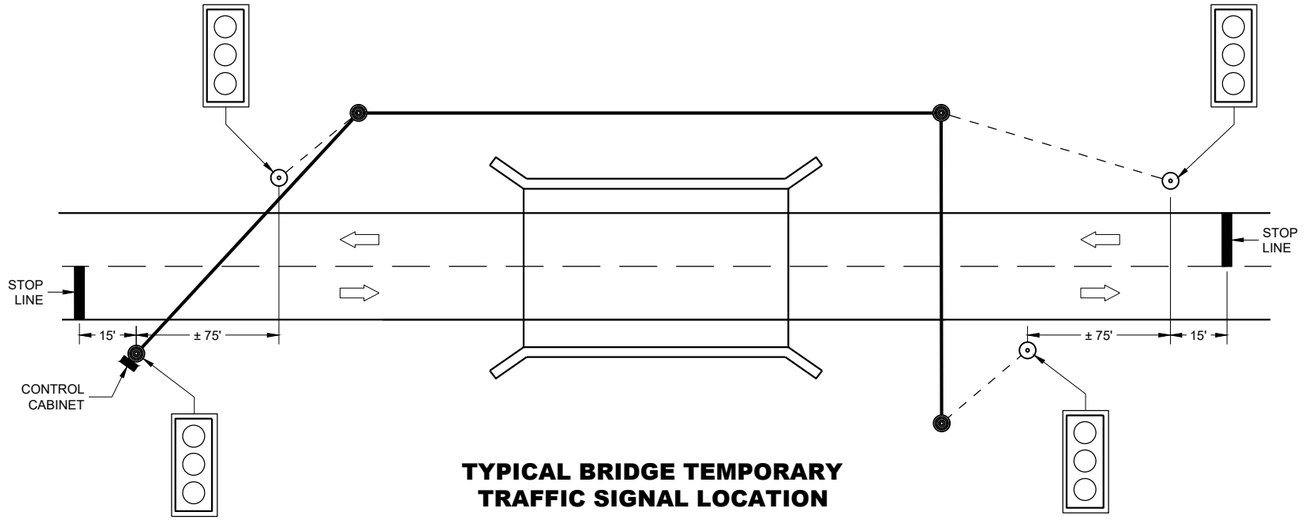
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

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SDD 09G01 - 4g



TYPICAL BRIDGE TEMPORARY TRAFFIC SIGNAL LOCATION

LEGEND

- WOOD POLE (NON-BREAKAWAY)
- WOOD POST (BREADAWAY)
- SIGNAL CABLE
- SIGNAL CABLE W/MESSENGER
- DIRECTION OF TRAFFIC
- LED TRAFFIC SIGNAL WITH BACKPLATE (3-12")

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE MOUNTED TRAFFIC SIGNAL CONTROL CABINET MAY BE MOUNTED ON THE SERVICE POLE IF THE ELECTRICAL UTILITY ALLOWS THE INSTALLATION.

WHEN UTILITY POLES ARE USED TO SPAN THE TEMPORARY OVERHEAD CABLE, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER OF THE POLES AND GIVEN TO THE PROJECT MANAGER. ALL PERTINENT UTILITY AND CODE CLEARANCES SHALL BE MAINTAINED.

WOOD POLES (NON-BREAKAWAY) SHALL BE NO CLOSER TO EDGE OF PAVEMENT THAN OFFSET DISTANCE CHART ALLOWS OR 4 FEET BEHIND PROTECTIVE BARRIER (BEAM GUARD, ETC.).

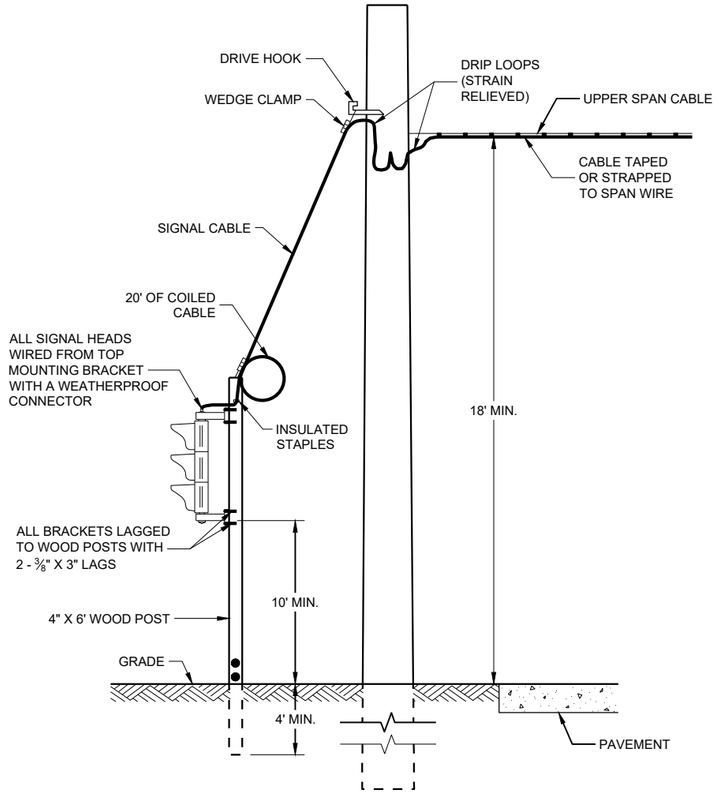
WOOD POSTS (BREAKAWAY) SHALL BE NO CLOSER THAN 2 FEET OUTSIDE OF SHOULDER.

VERTICAL CLEARANCE ETC. PER NEC.

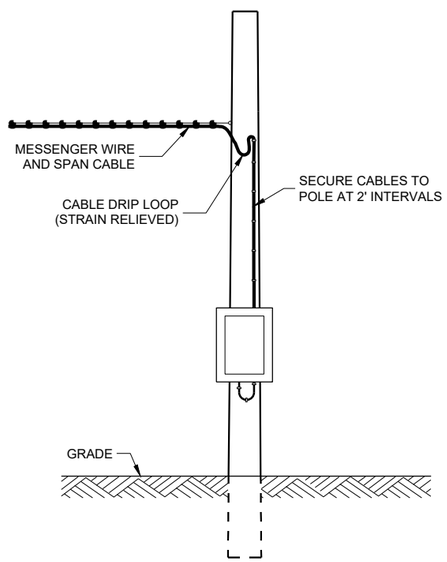
TRAFFIC SIGNAL FACES SHALL BE TYPICALLY PLACED 12 FEET FROM EDGE OF PAVEMENT.

EACH TRAFFIC SIGNAL SHALL HAVE A BACKPLATE.

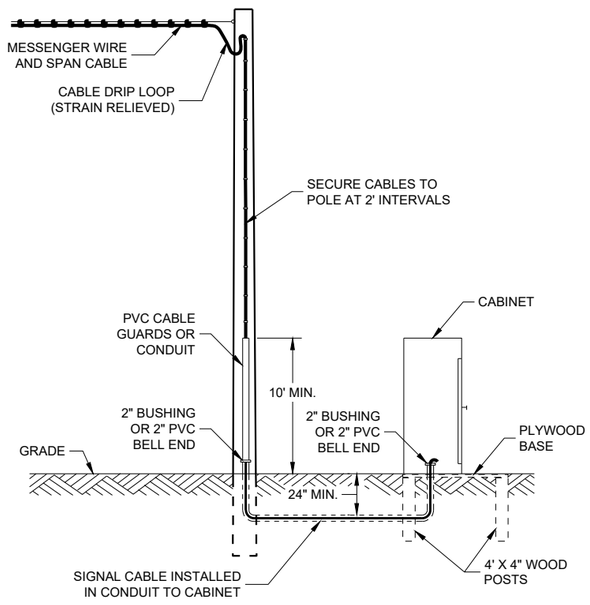
SIGNING, PAVEMENT MARKING AND LANE CONTROL REQUIREMENTS SHALL CONFORM TO STANDARD DETAIL DRAWING 15D33.



TYPICAL DROP TO TRAFFIC SIGNAL FACE



POLE MOUNT CABINET INSTALLATION



GROUND MOUNT CABINET INSTALLATION

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

OFFSET DISTANCES FOR TEMPORARY NON-BREAKAWAY POLES	
SPEED LIMIT	OFFSET DISTANCE*
GREATER THAN 45 MPH	18 FT
45 MPH OR LESS	12 FT
45 MPH OR LESS W/CURBS	2 FT

* NOTE: OFFSET MEASURED FROM OUTER EDGE OF OUTSIDE THRU LANE.

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Ahmet Demirbilek — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

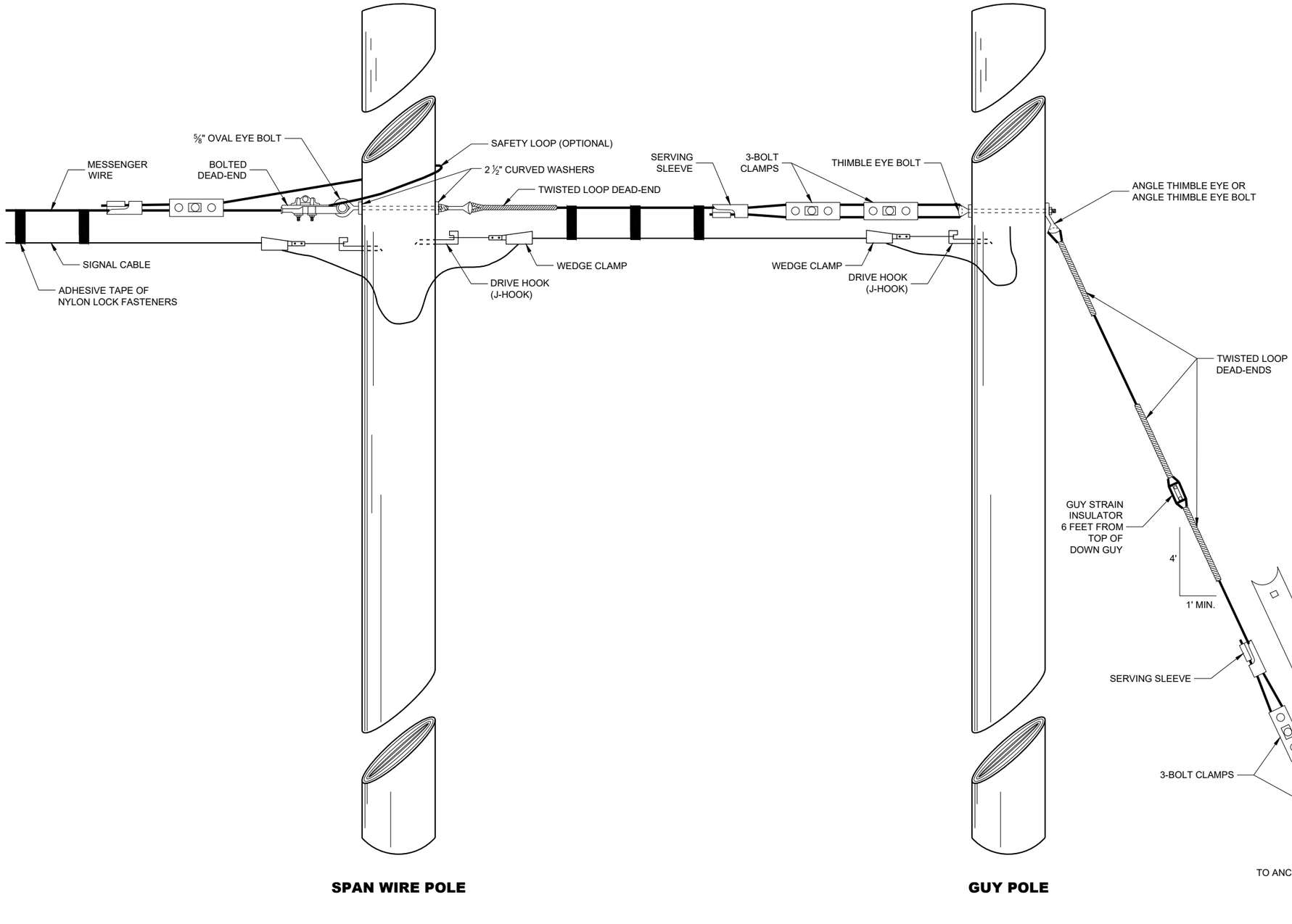
SDD09G02 - 05a

6

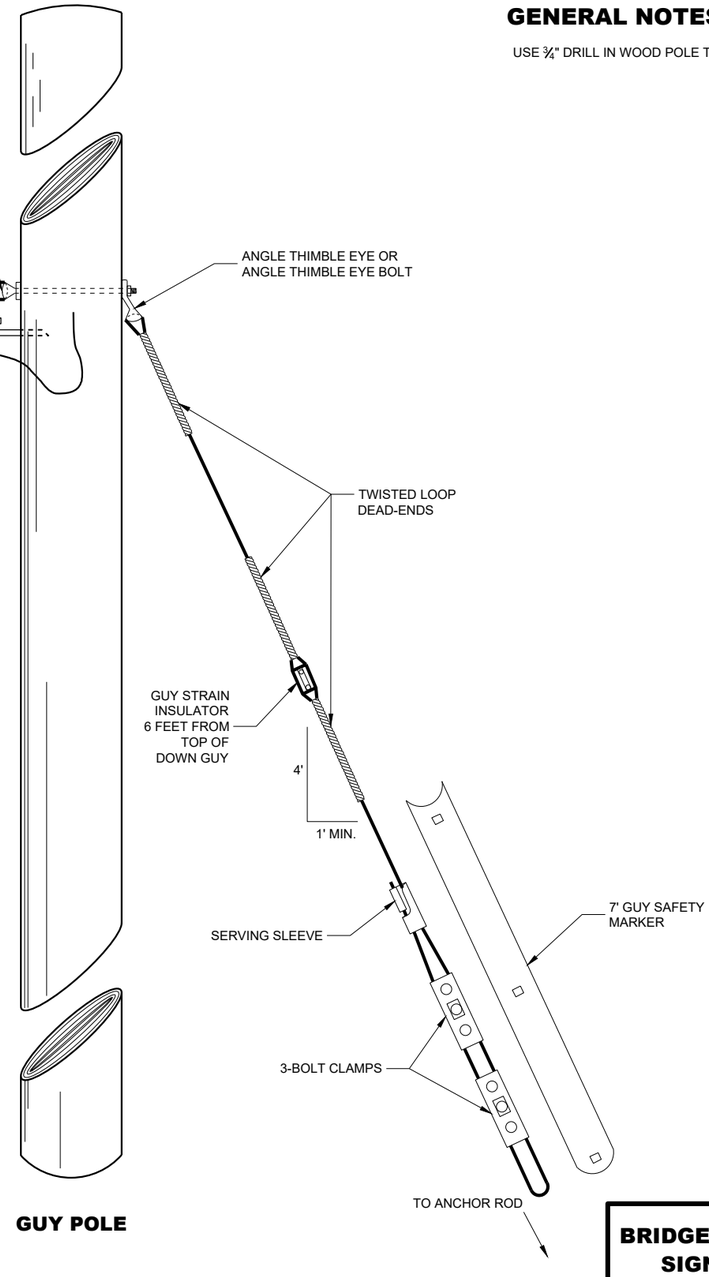
SDD09G02 - 05a

GENERAL NOTES

USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.



SPAN WIRE POLE



GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER

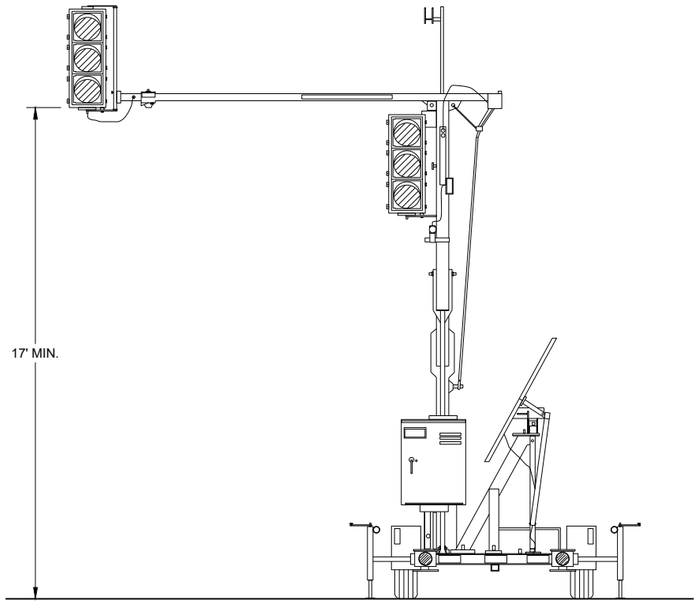
FHWA

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SDD09G02 - 05b

6

SDD09G02 - 05b

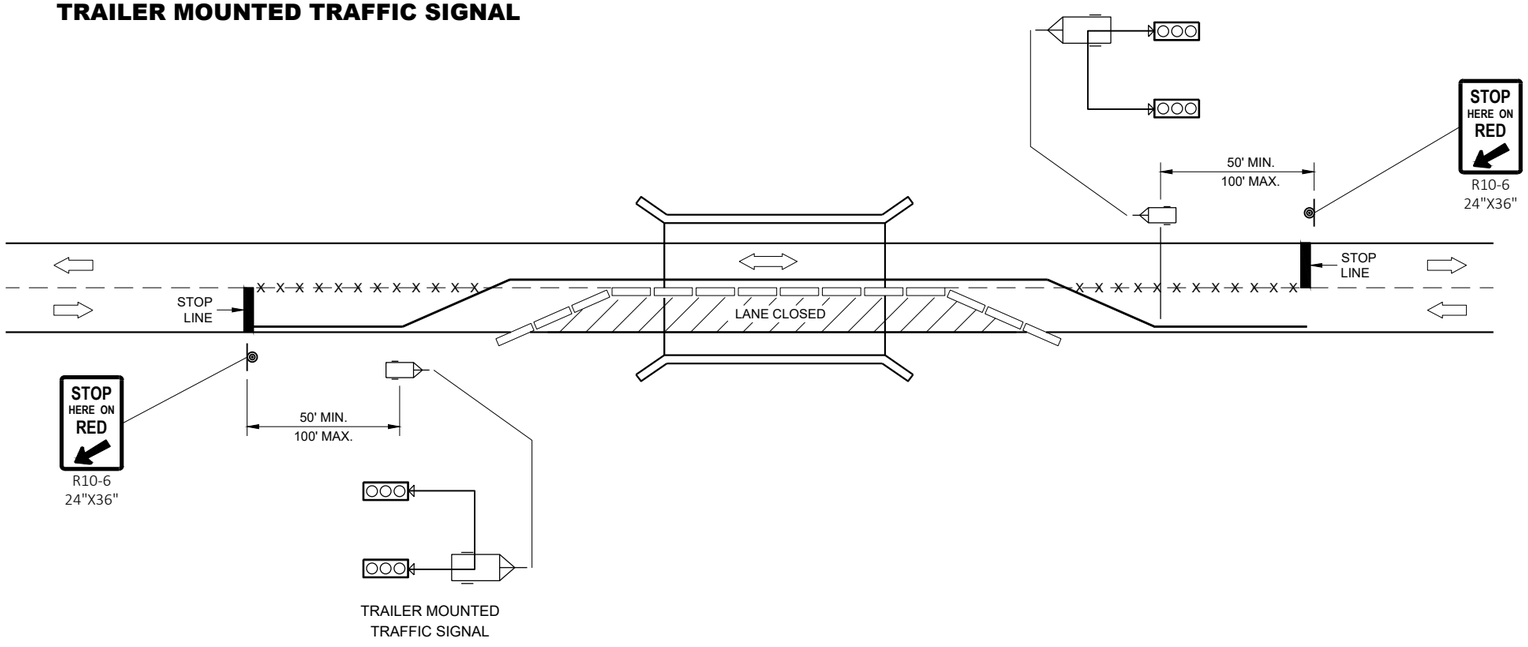


TRAILER MOUNTED TRAFFIC SIGNAL

GENERAL NOTES

DETAIL OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SIGNING, PAVEMENT MARKING AND LANE CONTROL REQUIREMENTS SHALL CONFORM TO STANDARD DETAIL DRAWING 15D33.



TYPICAL TRAILER MOUNTED TRAFFIC SIGNAL LOCATION

LEGEND

- POST MOUNTED SIGN
- TEMPORARY PRECAST CONCRETE BARRIER
- TRAILER MOUNTED TRAFFIC SIGNAL
- REMOVE PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

650

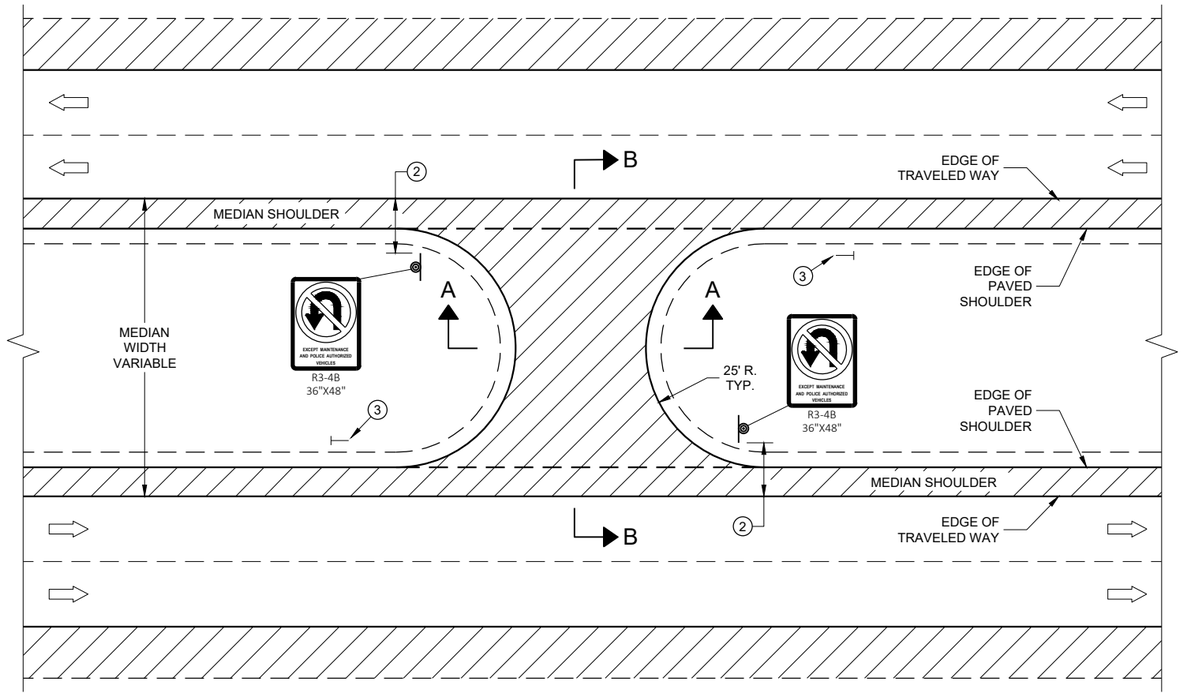
FHWA

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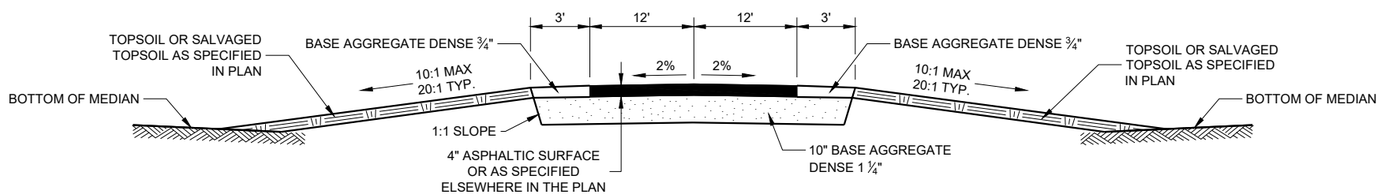
SDD09G02 - 05c

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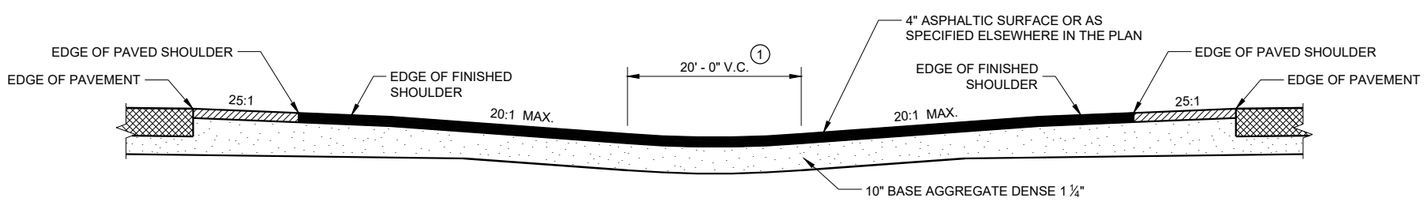
SDD09G02 - 05c



PLAN VIEW



SECTION A-A



SECTION B-B

GENERAL NOTES

1. ADJUST VERTICAL CURVE LOCATION LATERALLY TO MAINTAIN 20:1 MAX.
2. SIGNING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.
3. INSTALL DELINEATOR. SEE STANDARD DETAIL DRAWING 15A4.

LEGEND

- SIGN ON PERMANENT SUPPORT
- DELINEATOR
- DIRECTION OF TRAFFIC

MAINTENANCE CROSSOVER FOR FREEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

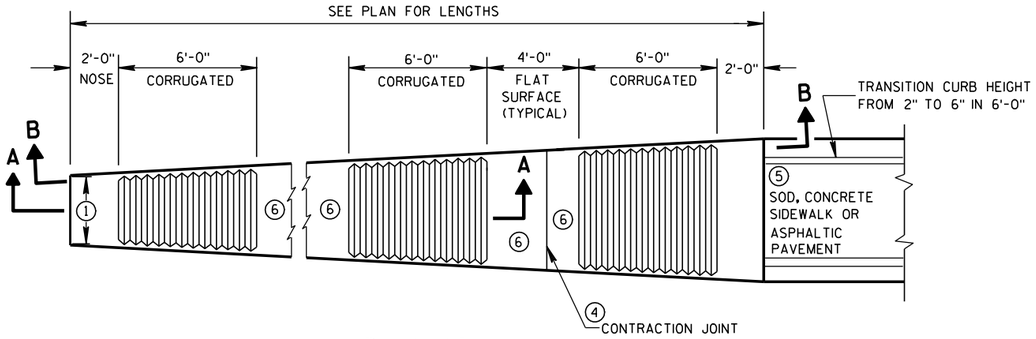
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SDD 11A01 - 06

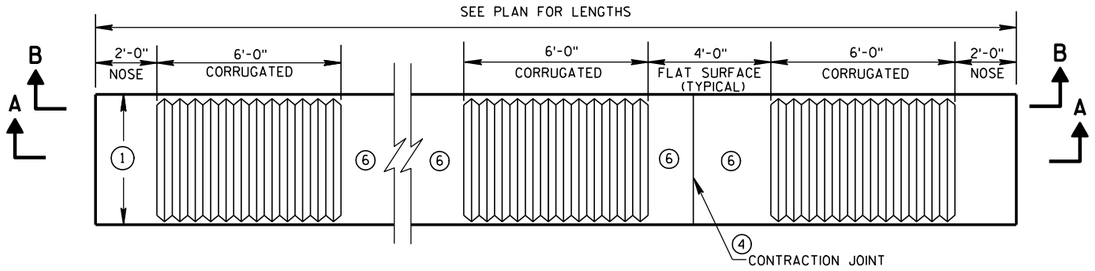
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SDD 11A01 - 06



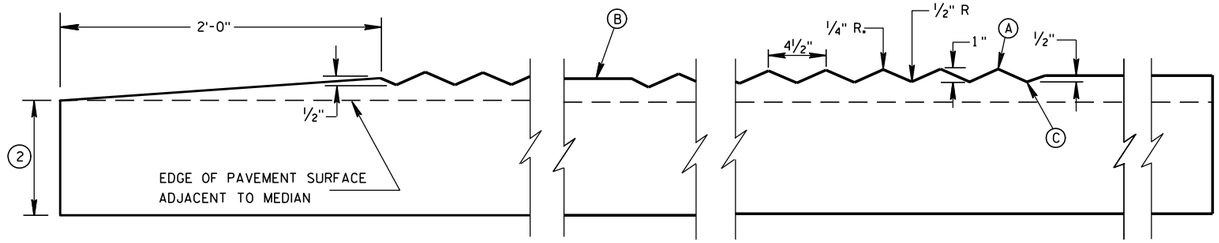
PLAN VIEW

VARIABLE WIDTH CONCRETE CORRUGATED MEDIAN



PLAN VIEW

UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN



SECTION A-A

LONGITUDINAL SECTION

GENERAL NOTES

(1) SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.

(2) THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN.

ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

(2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE, OR PAVEMENT.

(3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.

(3) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

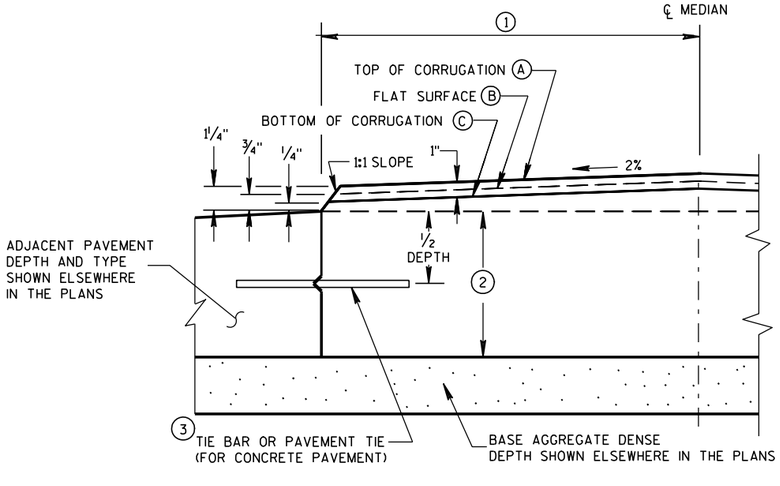
INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP).

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE, PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(4) CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.

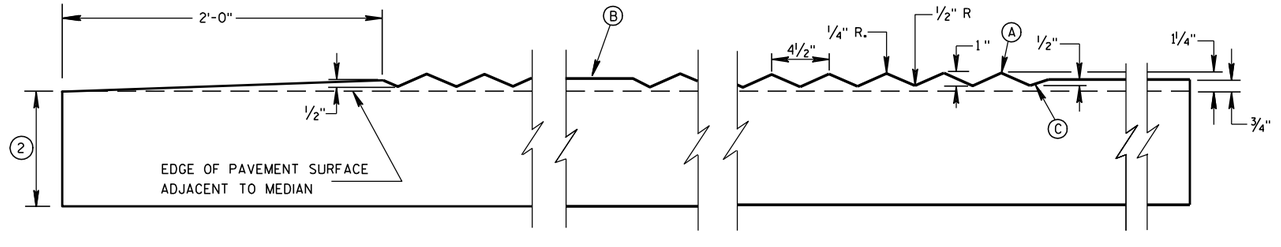
(5) SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.

(6) YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.



HALF CROSS SECTION

(2) CONCRETE CORRUGATED MEDIAN AND ADJACENT PAVEMENT



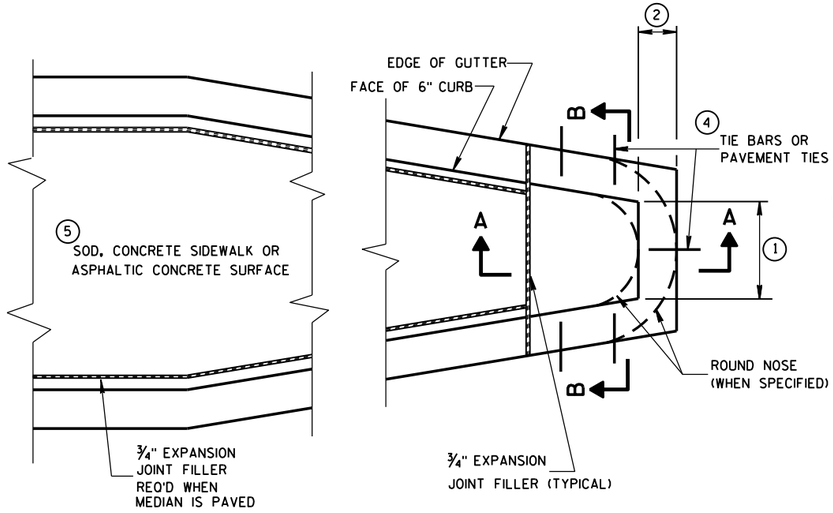
SECTION B-B

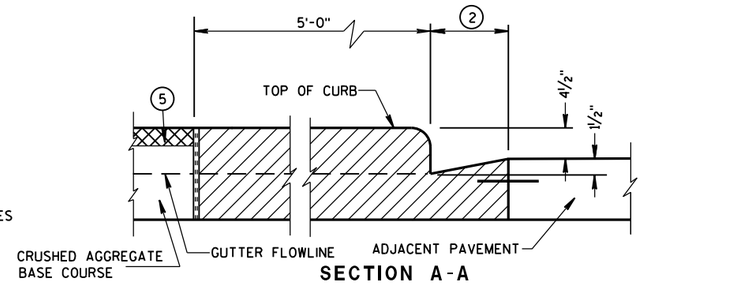
LONGITUDINAL SECTION

CONCRETE CORRUGATED MEDIAN	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
12/17/07 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	652

6

S.D.D. 11 B 1-5





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

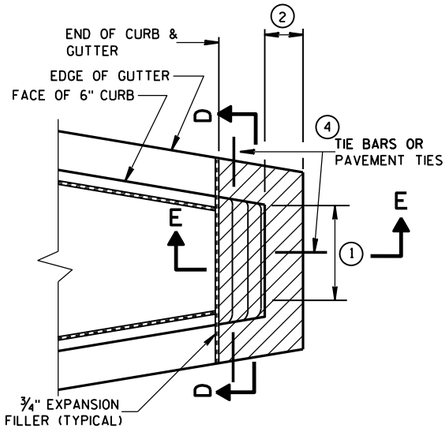
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

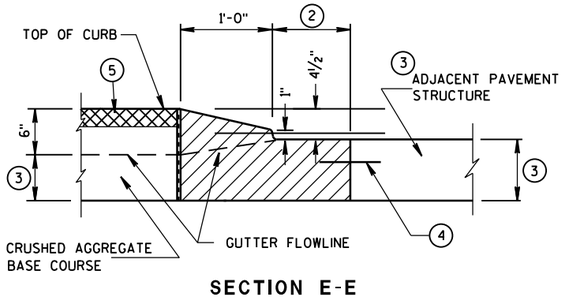
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

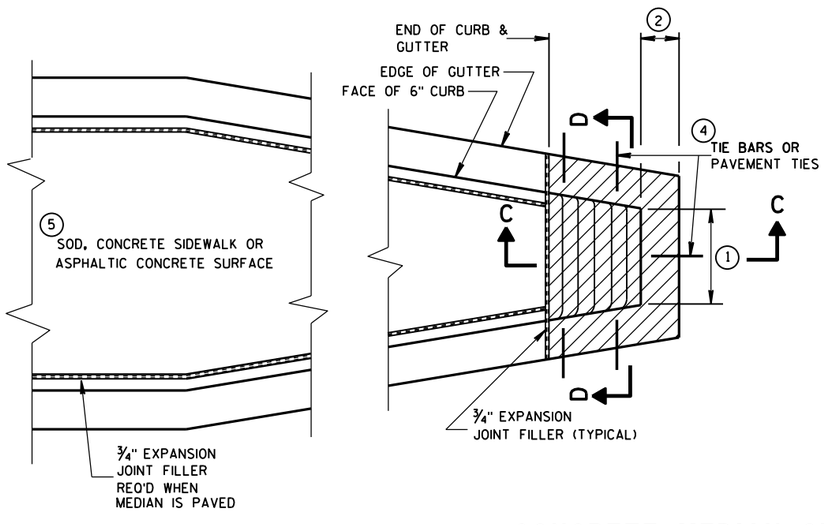
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

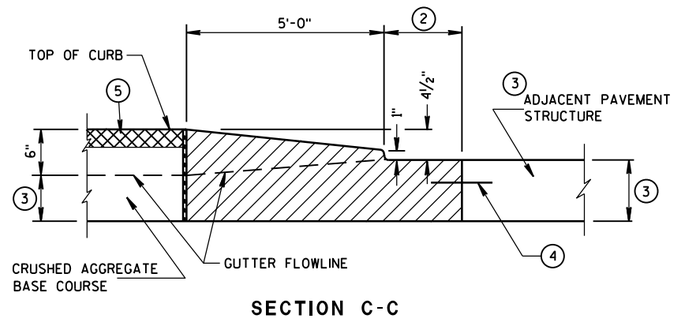
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



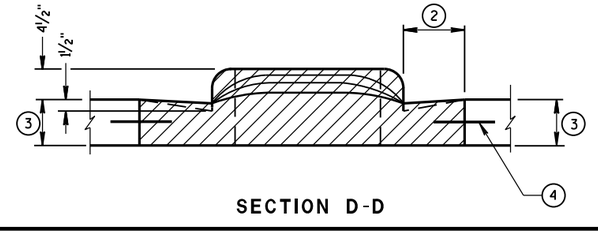


CONCRETE MEDIAN SLOPED NOSE TYPE 2

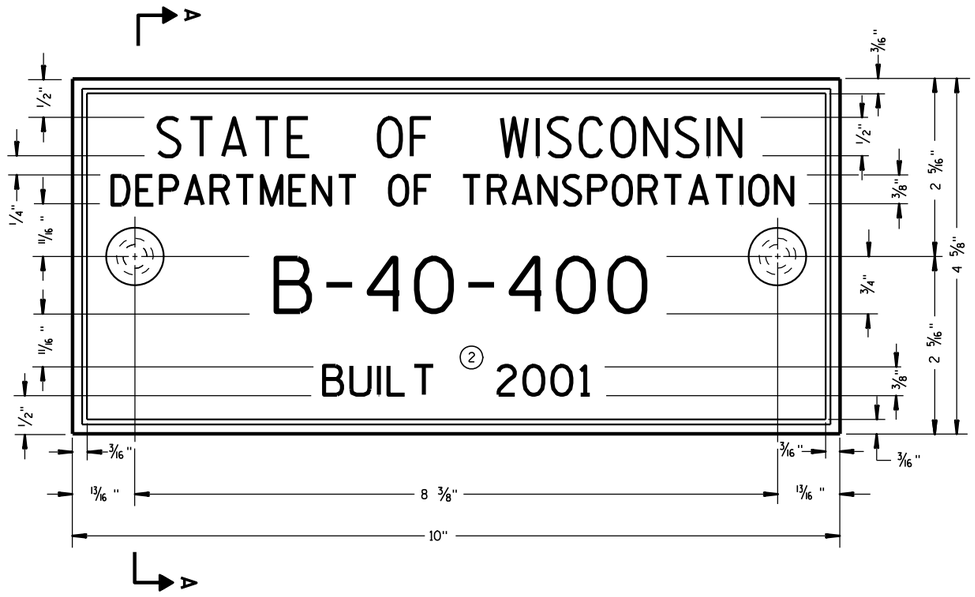




CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

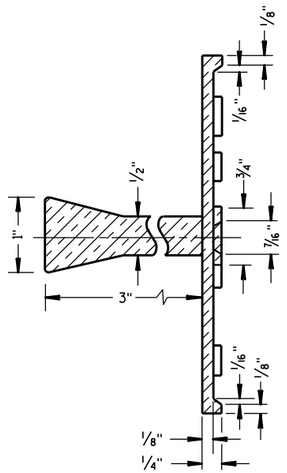
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

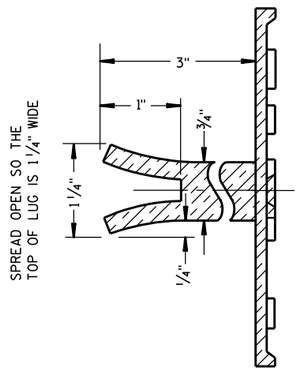
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG

FOR MULTI-UNIT STRUCTURES LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

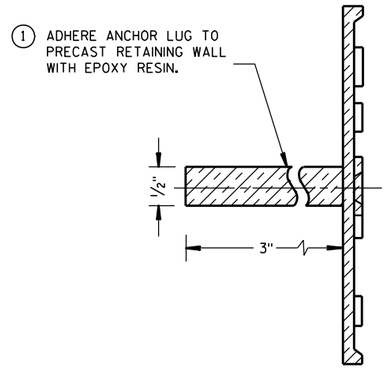
COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP ENGINEER

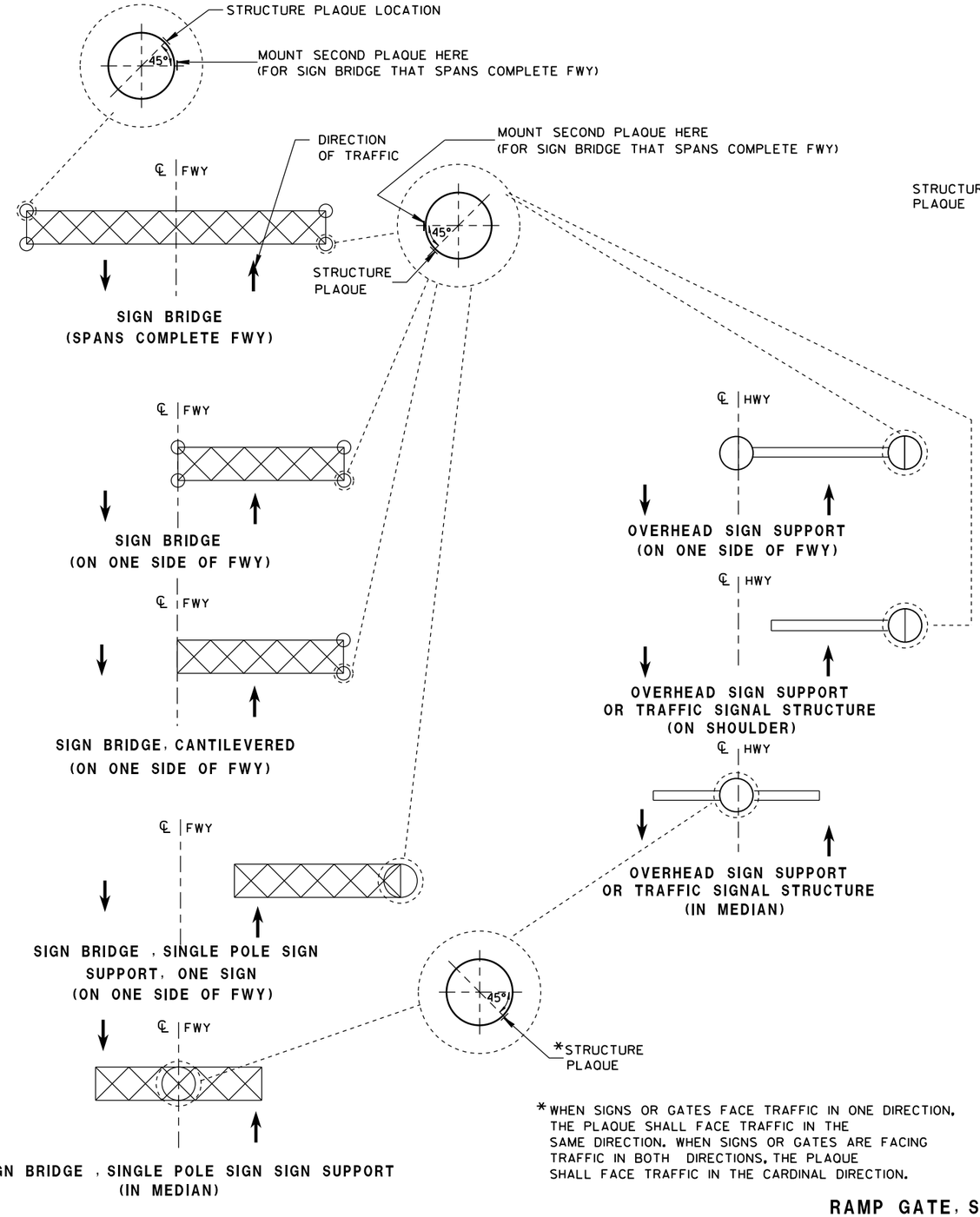
FHWA

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S.D.D. 12 A 3-10

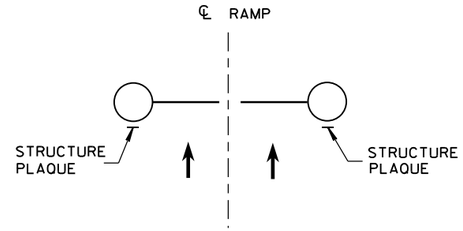
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S.D.D. 12 A 3-10

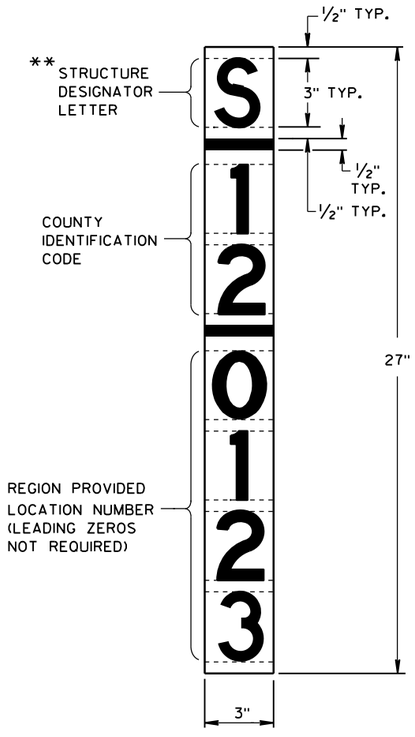


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



RAMP GATE
(ACROSS FWY ON-RAMP)



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

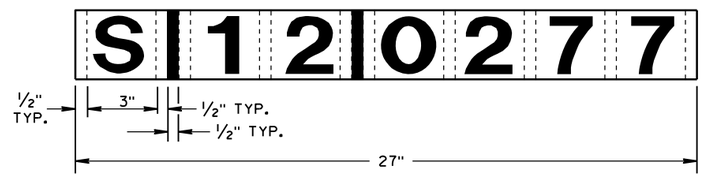
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

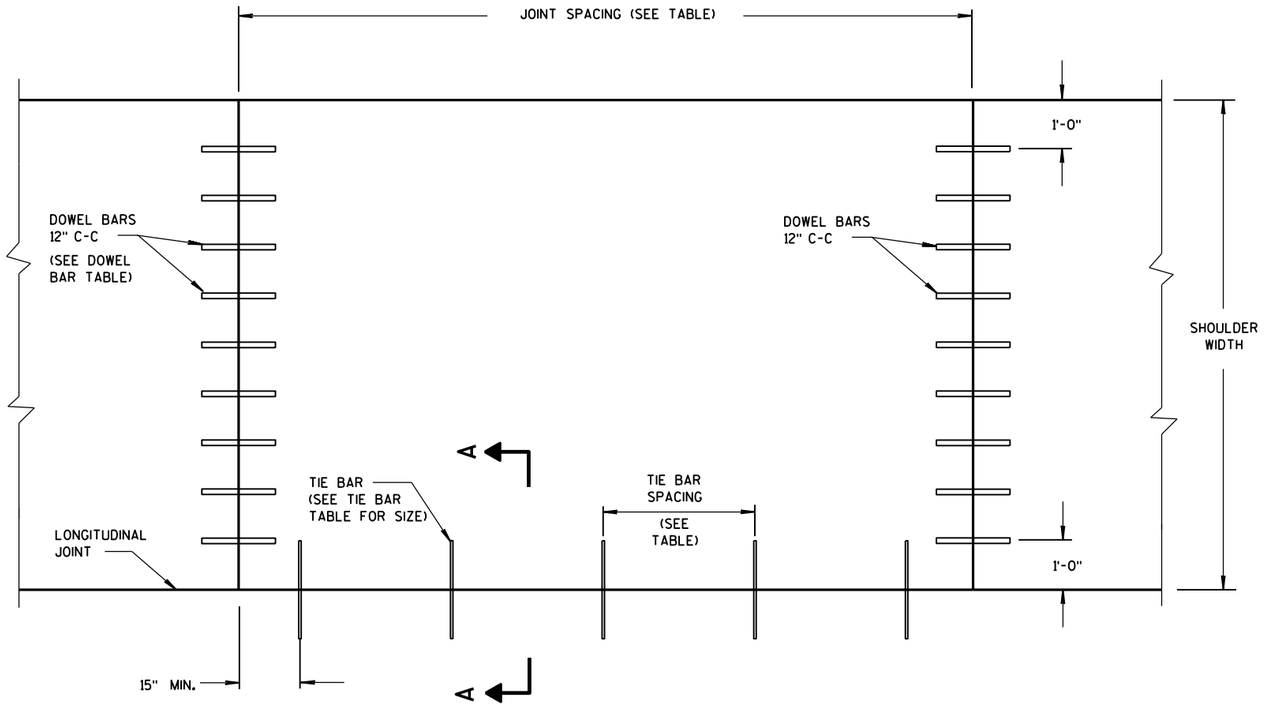
APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 12 A 4-3

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S.D.D. 12 A 4-3



PLAN VIEW

CONCRETE PAVEMENT SHOULDER

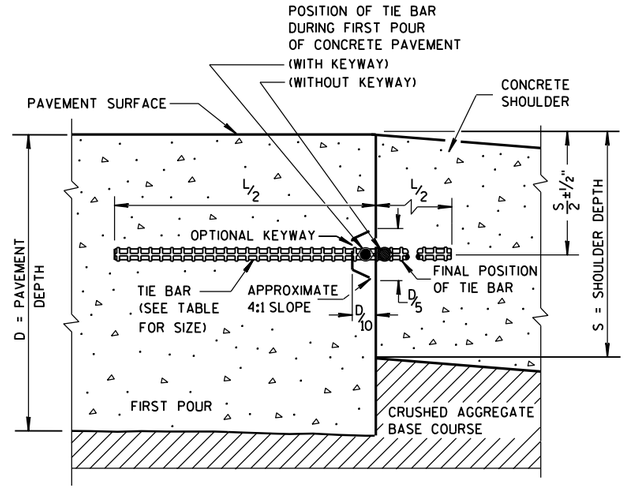
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER***	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FOR THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

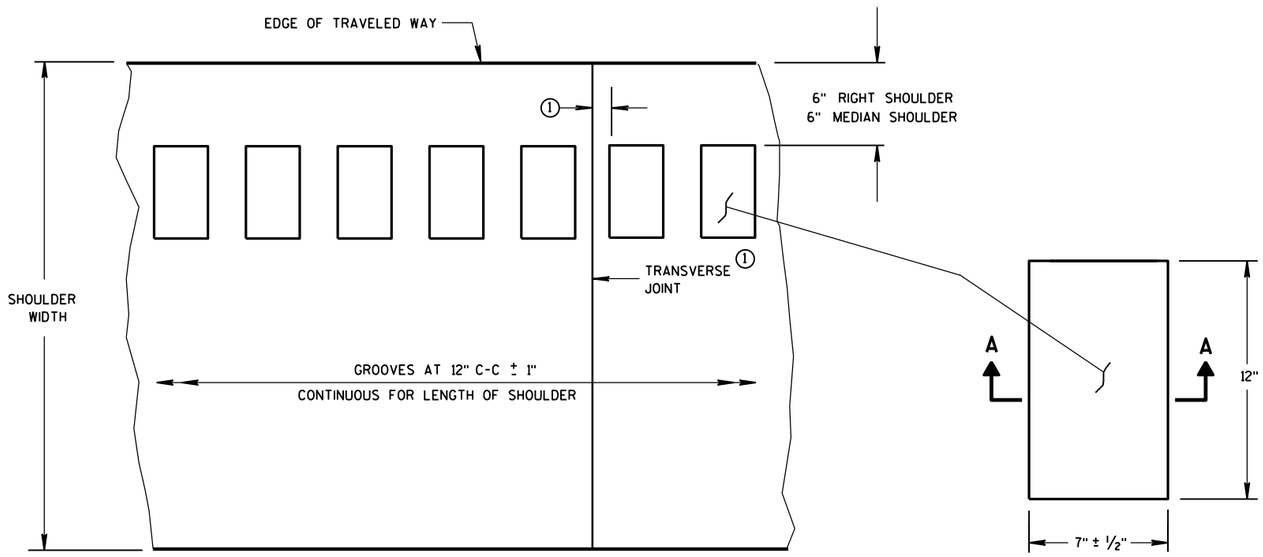
APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPERV
FHWA

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S.D.D. 13 A 3-6

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S.D.D. 13 A 3-6



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

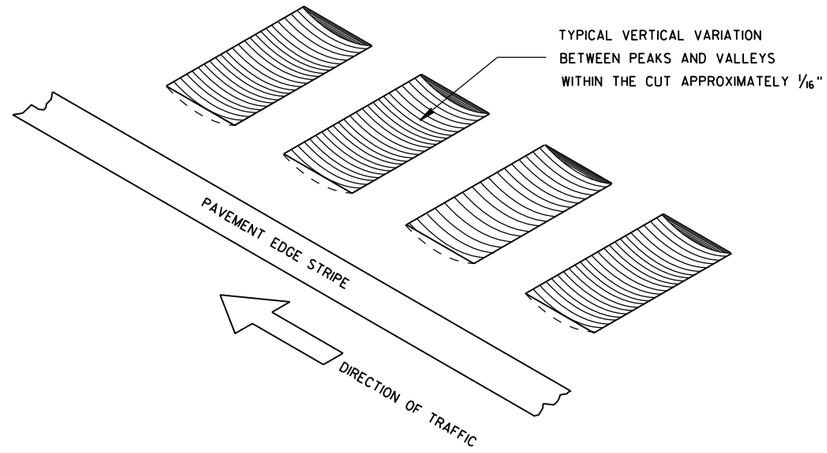
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

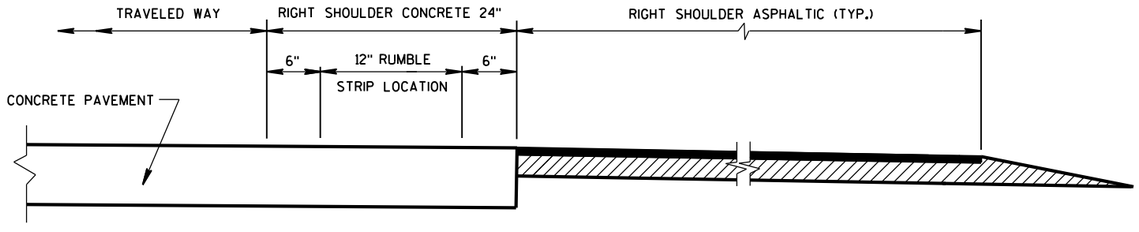
RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

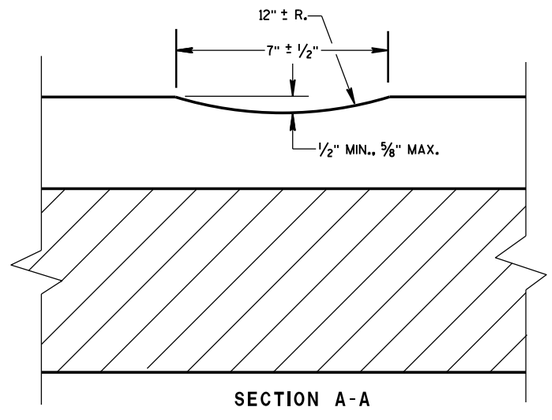
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



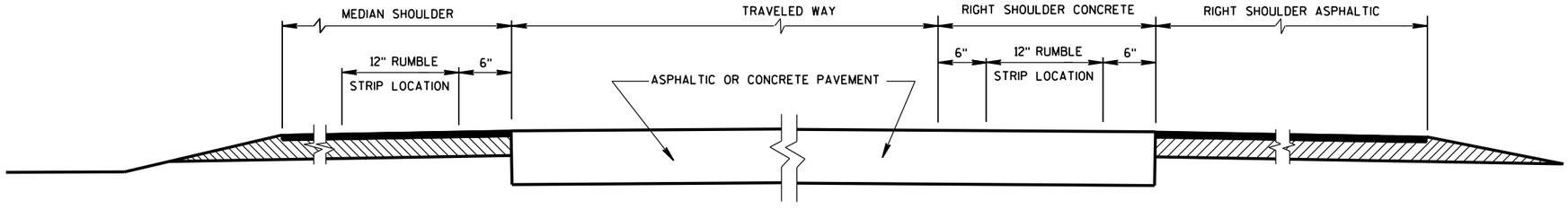
ISOMETRIC



SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION A-A



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)

SHOULDER RUMBLE STRIP, MILLING

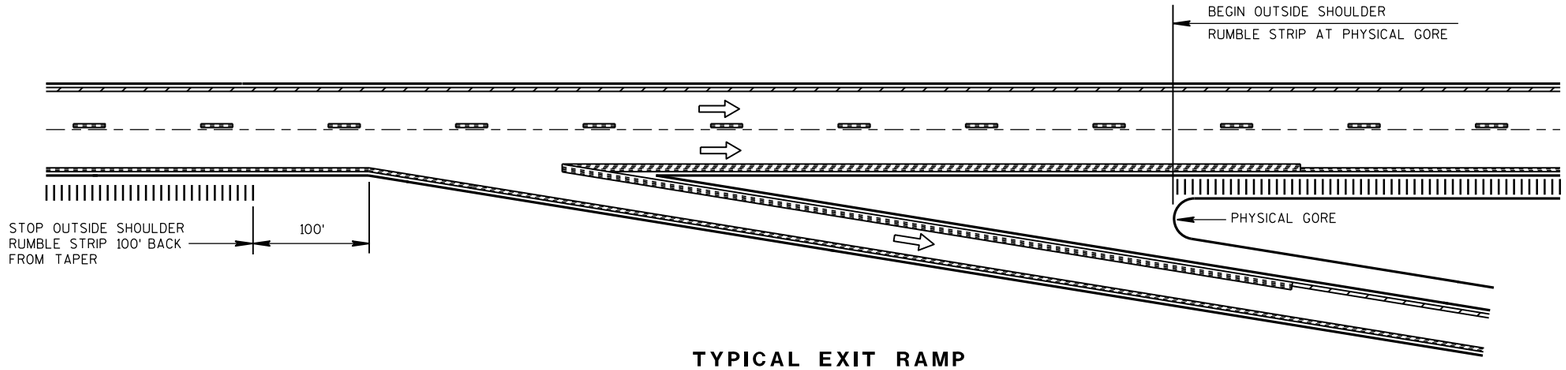
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 13 A 5-5a

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S.D.D. 13 A 5-5a



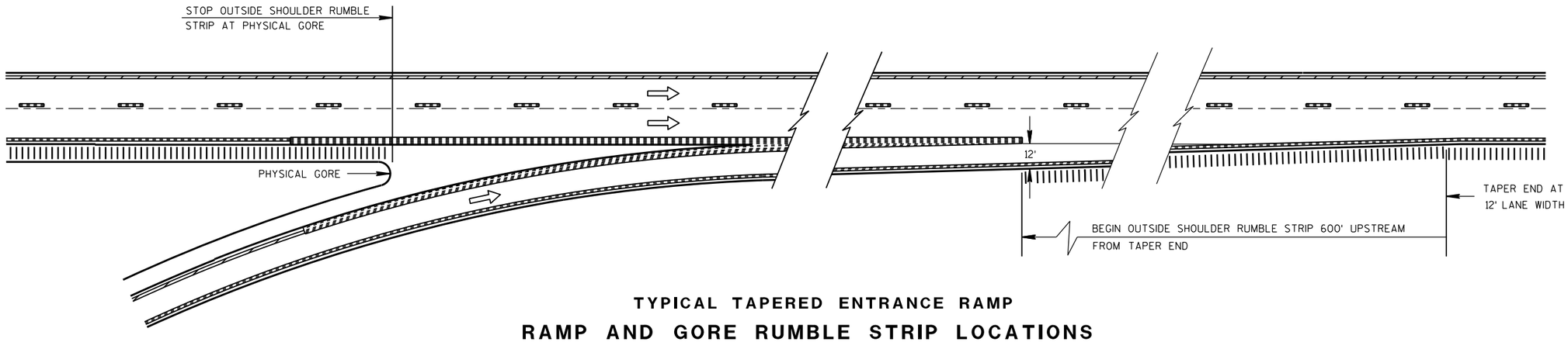
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

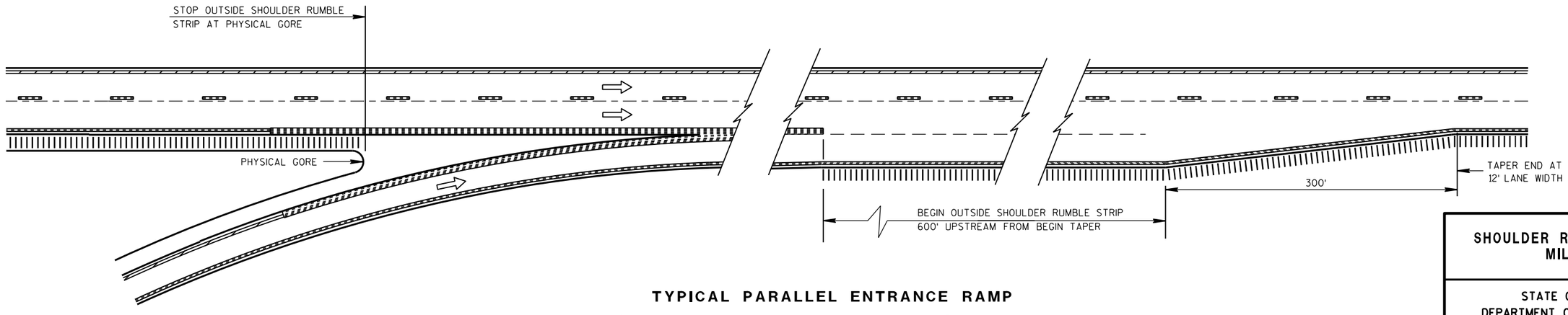
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/2012
DATE

/S/ Jerry H. Zoga
ROADWAY STANDARDS ENGINEER

FHWA

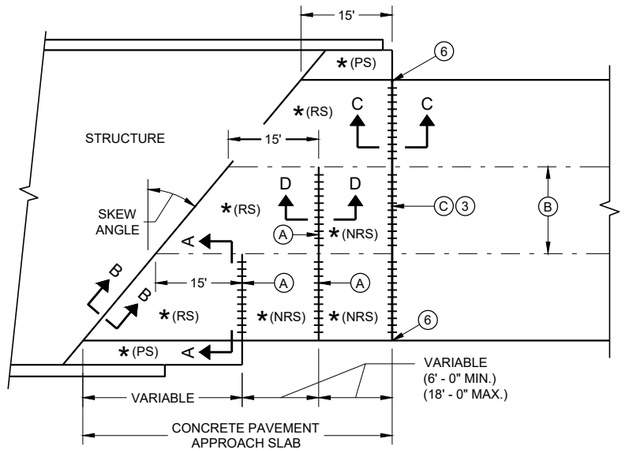
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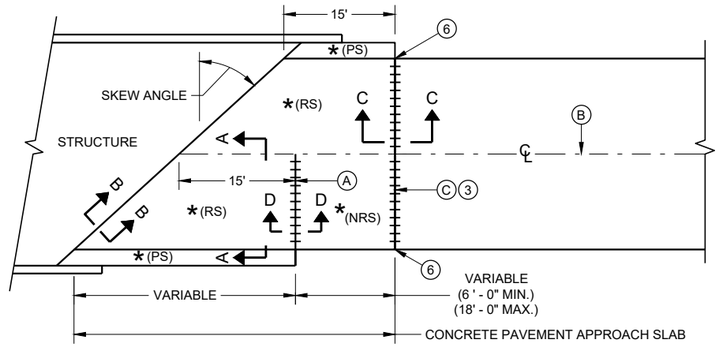
S.D.D. 13 A 5-5b

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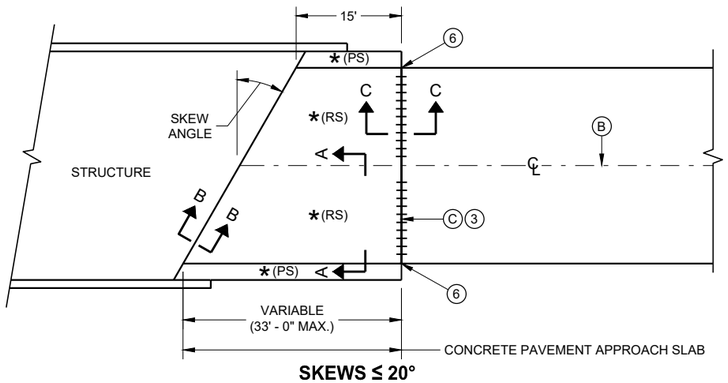
S.D.D. 13 A 5-5b



SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)



SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

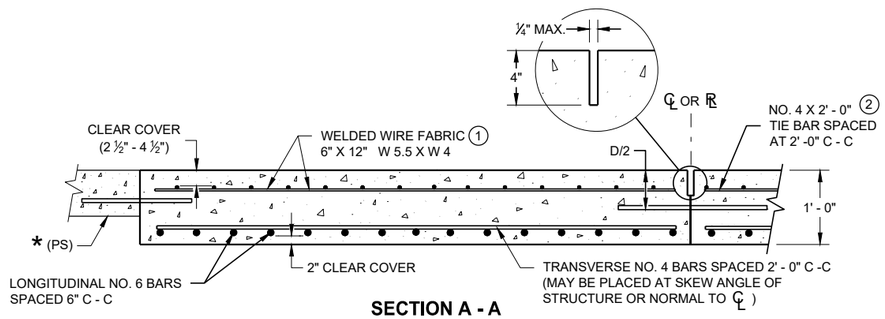
APPROACH SLAB AND ADJACENT PAVEMENT

* (RS) = REINFORCED CONCRETE SLAB

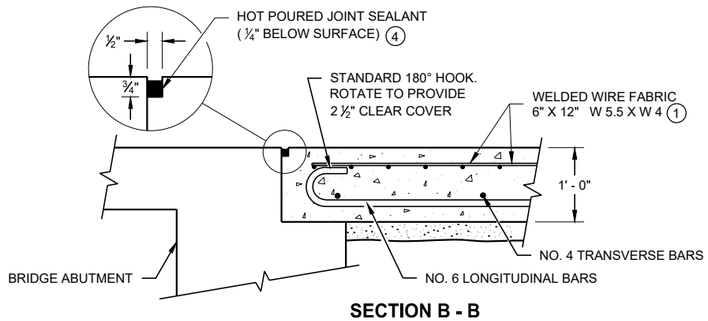
* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

* (NRS) - NON - REINFORCED CONCRETE SLAB

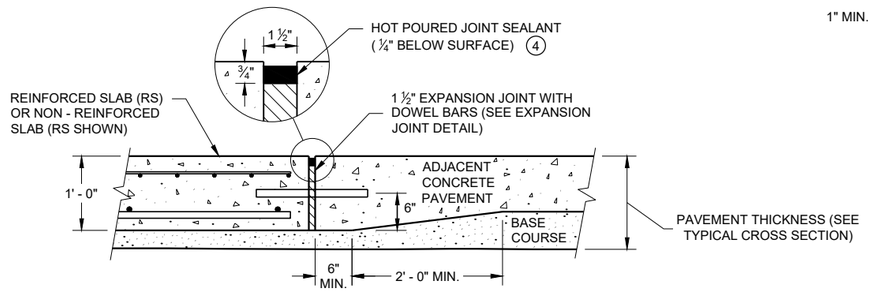
*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL



SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

(1) THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2' - 0 " C - C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

(2) THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

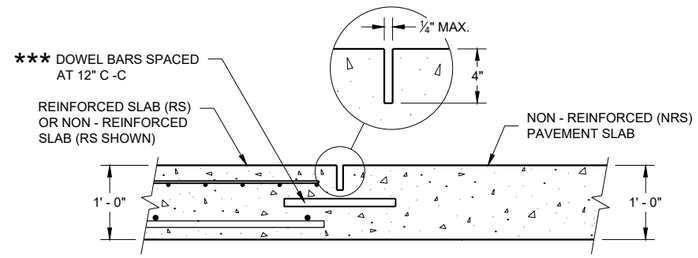
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

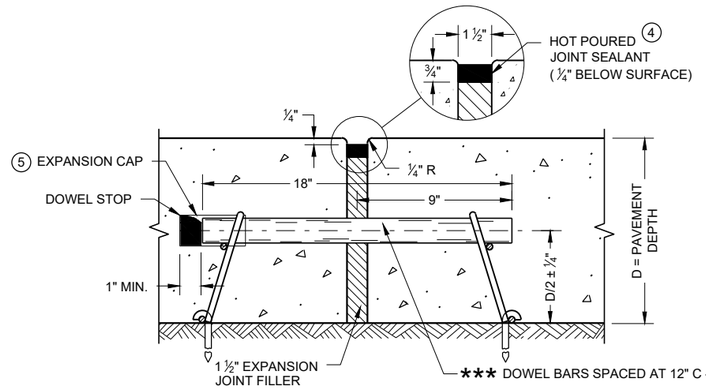
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞ .



SECTION D - D
CONTRACTION JOINT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

659

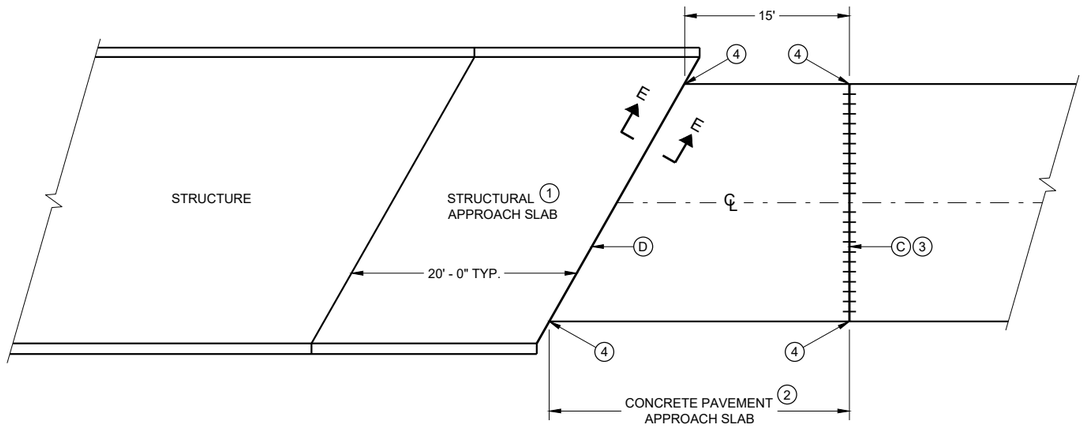
FHWA

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SDD 13B02 - 09a

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SDD 13B02 - 09a



BRIDGE APPROACHES

GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

(1) SEE BRIDGE PLAN.

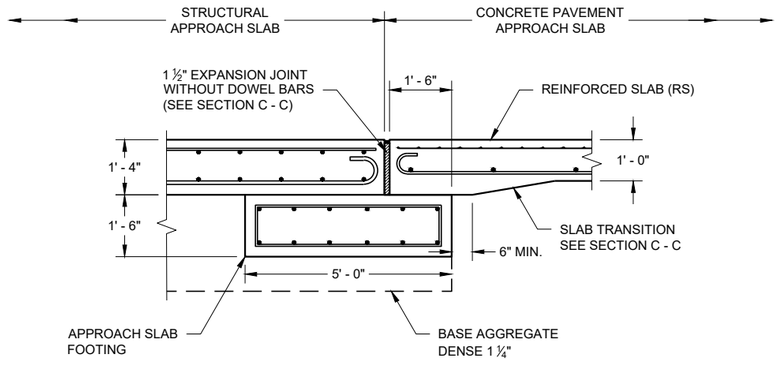
(2) CONFORM TO SDD 13B02 SHEET A FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞.

(D) 1 ½" EXPANSION JOINT (NO DOWELS)



SECTION E - E
FOOTING DETAIL
STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

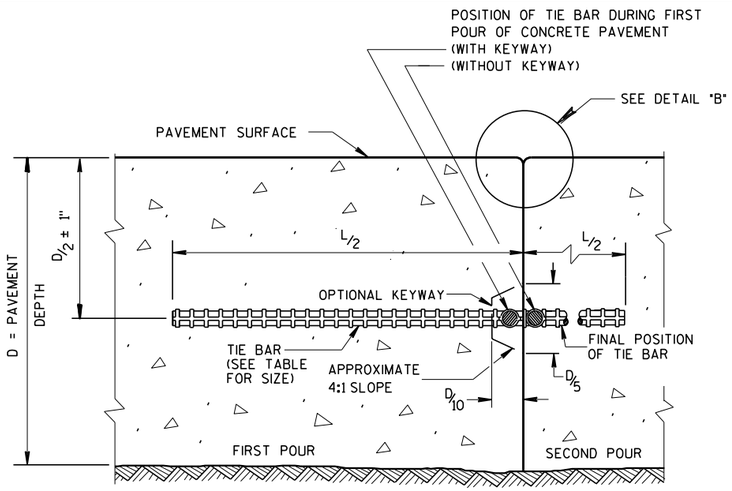
APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

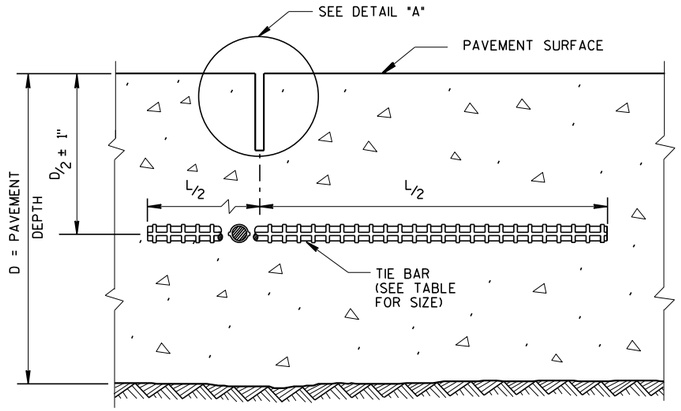
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SDD 13B02 - 09b



CONSTRUCTION JOINT



SAWED JOINT

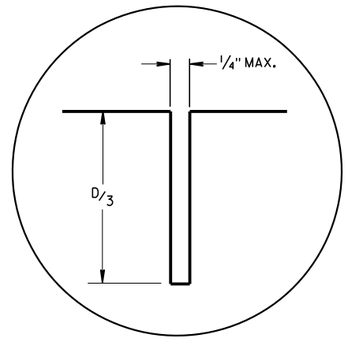
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

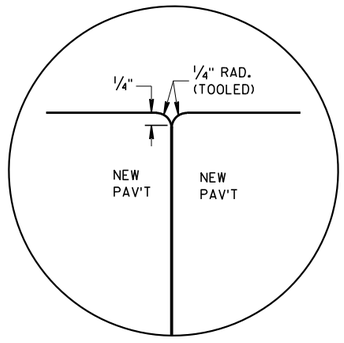
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

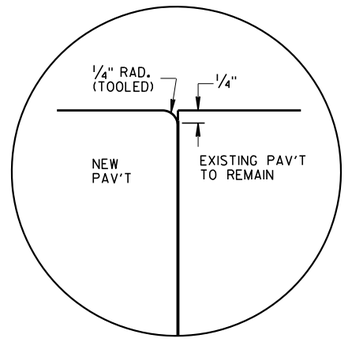
(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



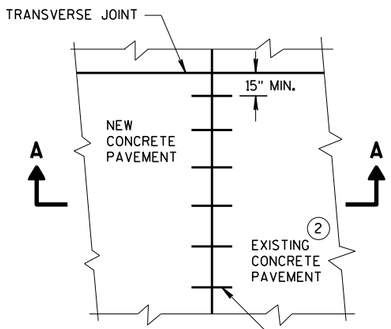
DETAIL "A"



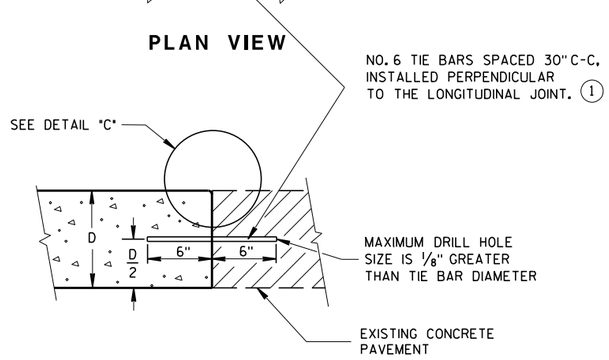
DETAIL "B"



DETAIL "C"



PLAN VIEW



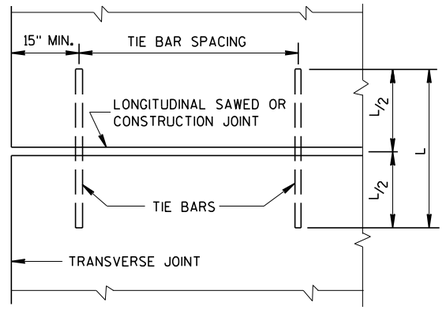
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

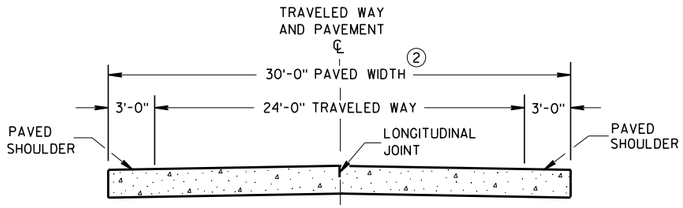
APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

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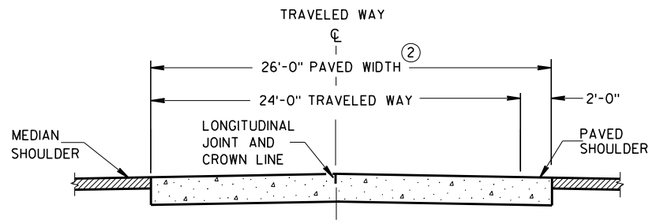
S.D.D. 13 C 1-19

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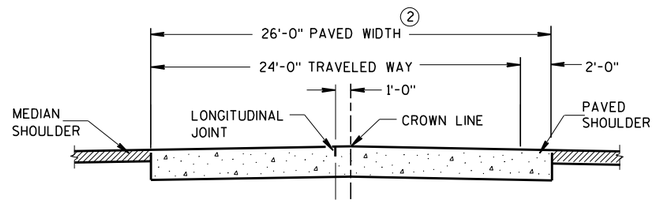
S.D.D. 13 C 1-19



SECTION A-A
TWO-LANE TWO-WAY HIGHWAY ①



SECTION B-B



ALTERNATIVE SECTION B-B
①
DIVIDED HIGHWAY

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

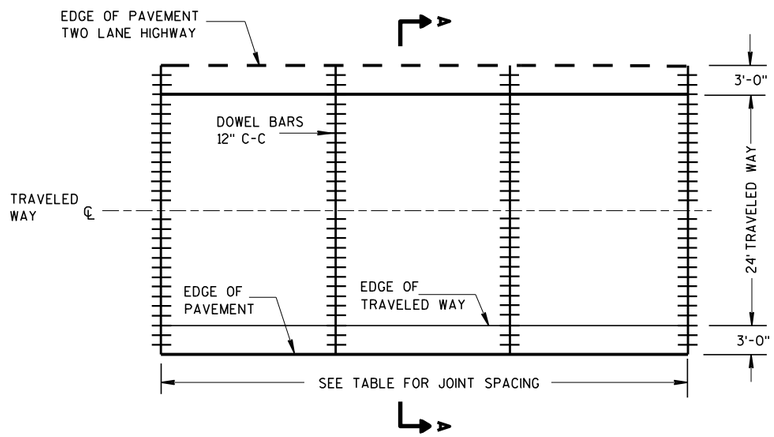
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

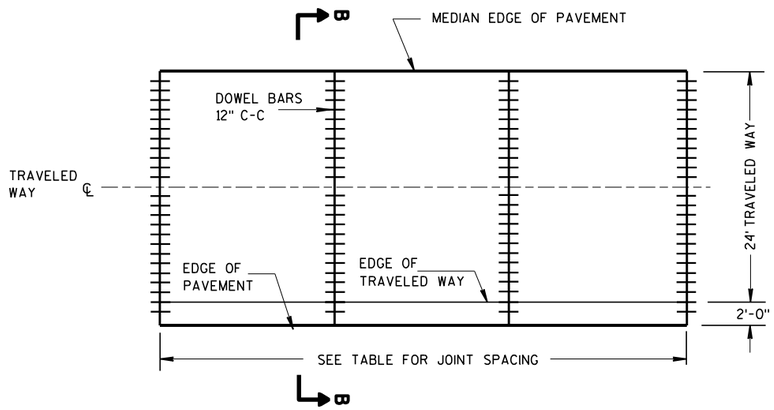
② MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED PAVED SHOULDER AS CONCRETE PAVEMENT.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



CONTRACTION JOINT LAYOUT
FOR TWO-LANE TWO-WAY HIGHWAY



CONTRACTION JOINT LAYOUT
FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

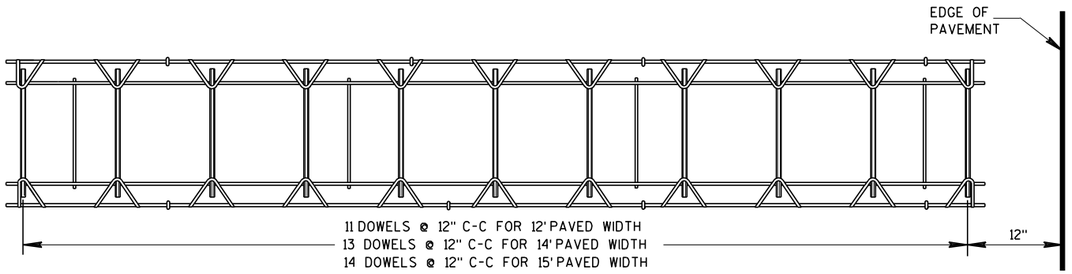
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

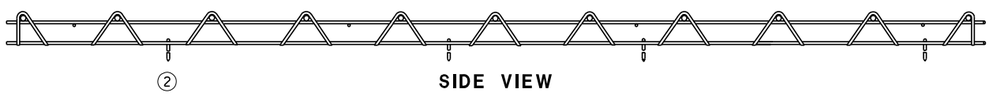
S.D.D. 13 C 11-12a

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S.D.D. 13 C 11-12a



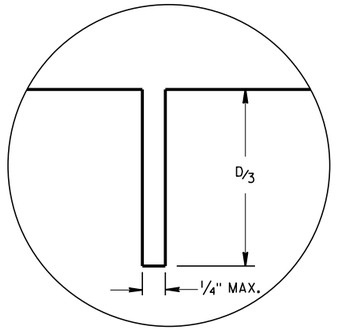
PLAN VIEW



SIDE VIEW

(NORMAL TO CENTERLINE)

CONTRACTION JOINT DOWEL ASSEMBLY ①



JOINT DETAIL

GENERAL NOTES

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

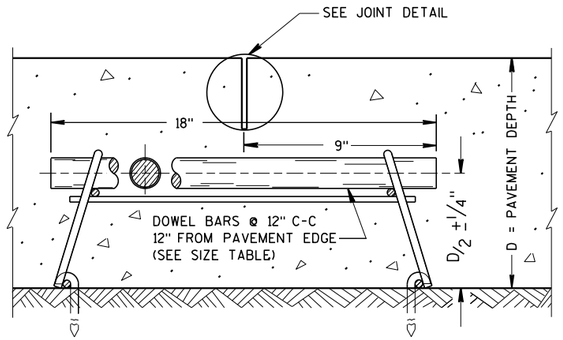
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

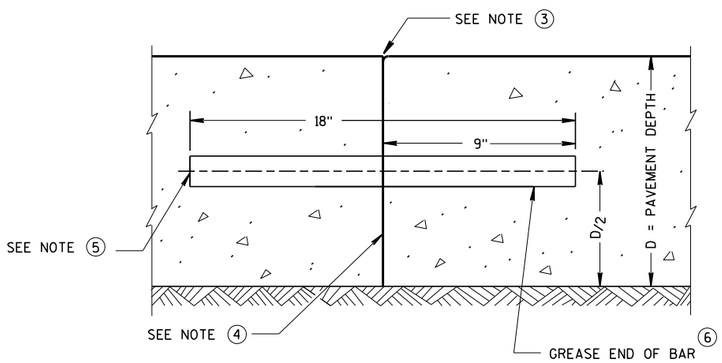
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

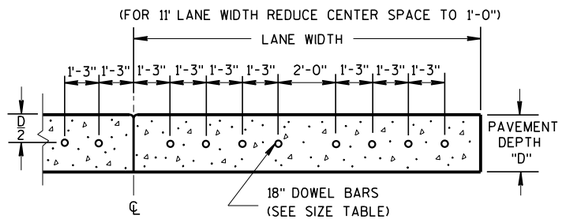
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



DOWELED CONTRACTION JOINT



TRANSVERSE CONSTRUCTION JOINT



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

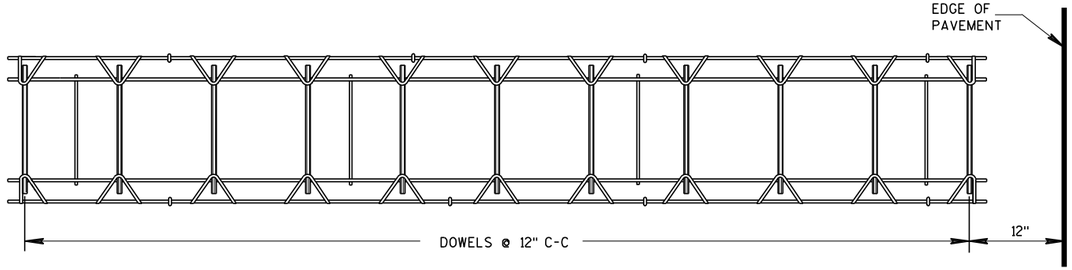
APPROVED
March 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUP

FHWA

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S.D.D. 13 C 11-12b

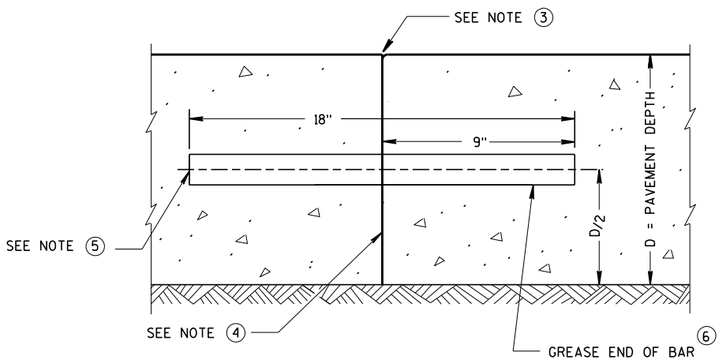


PLAN VIEW

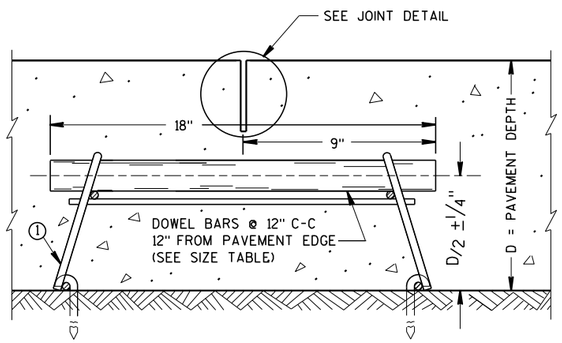


SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



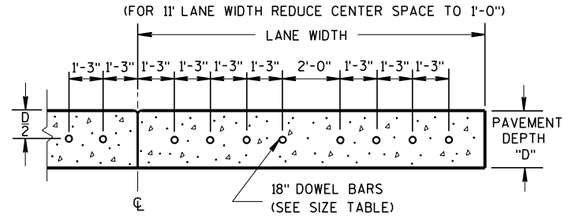
TRANSVERSE CONSTRUCTION JOINT



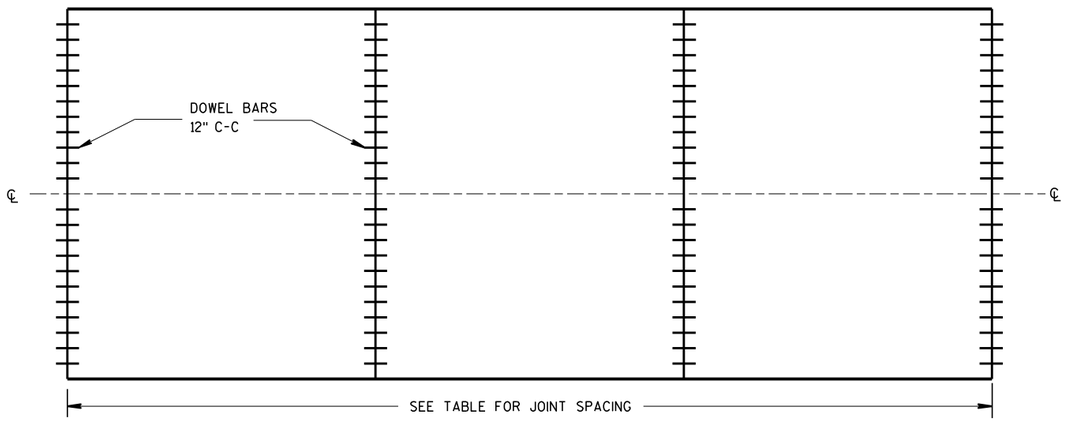
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

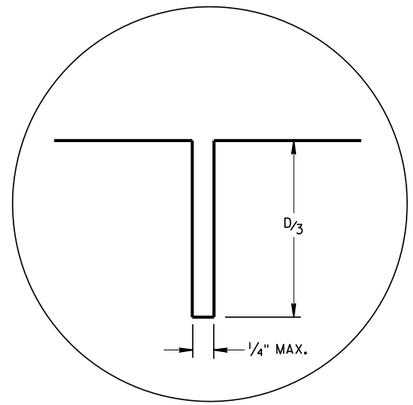
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUP 664

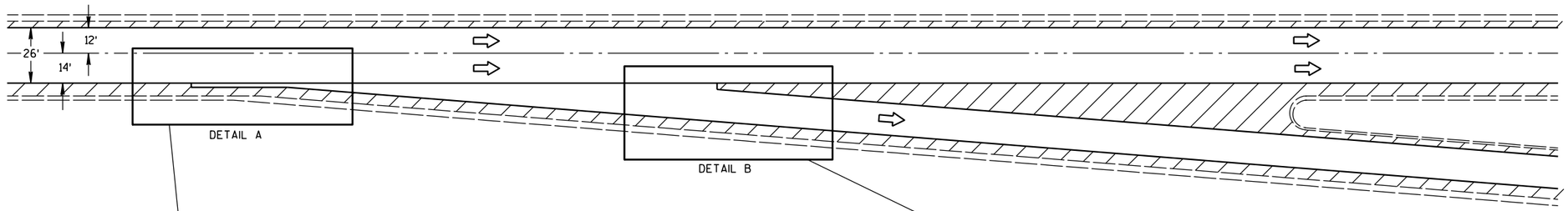
FHWA

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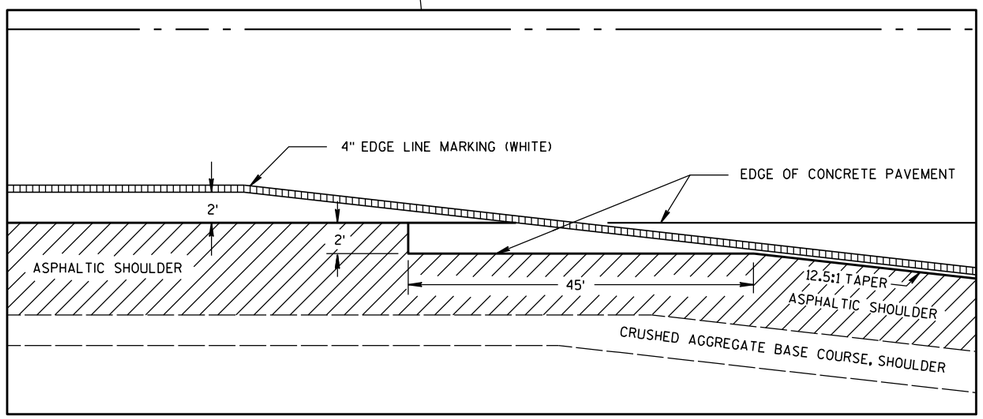
S.D.D. 13 C 13-9

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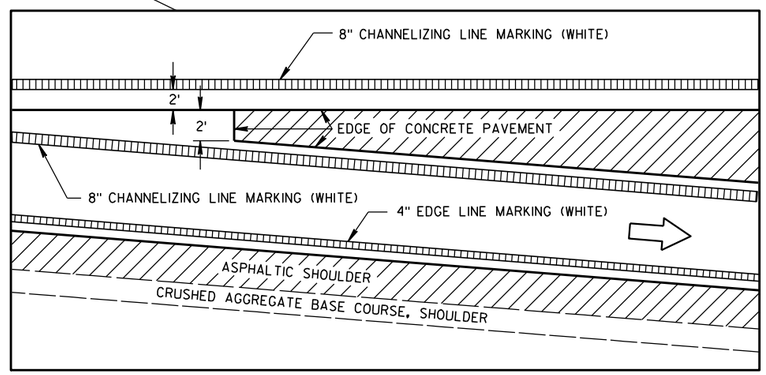
S.D.D. 13 C 13-9



EXIT RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI

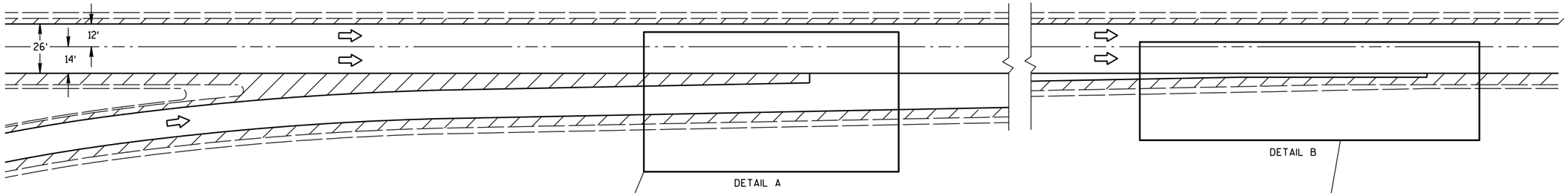
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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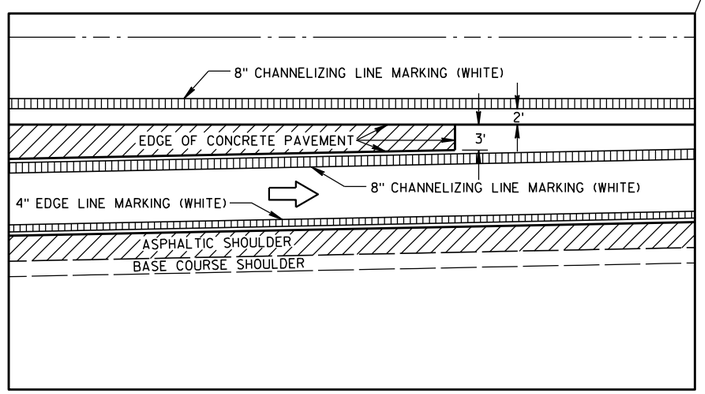
S.D.D. 13 C 17-1a

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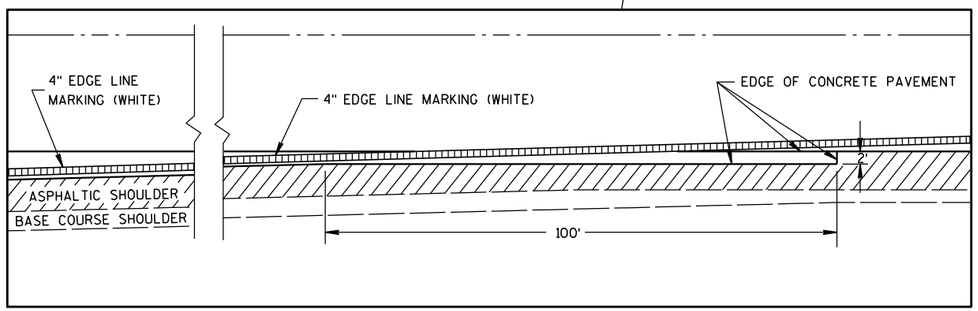
S.D.D. 13 C 17-1a



ENTRANCE RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

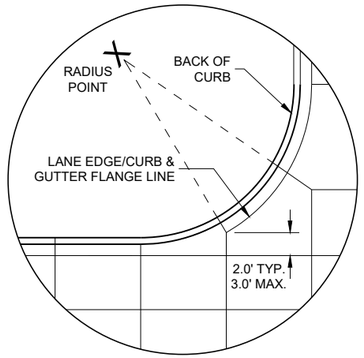
5/27/98
DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

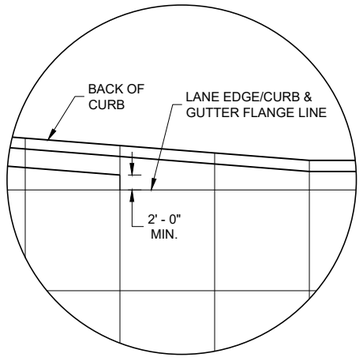
FHWA

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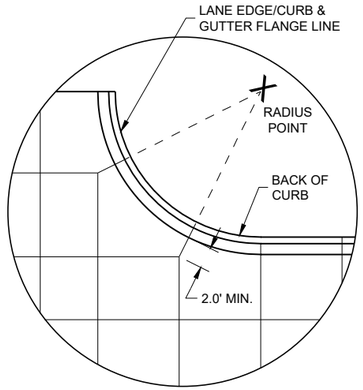
S.D.D. 13 C 17-1b



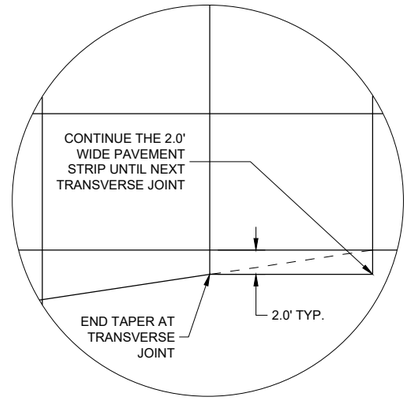
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

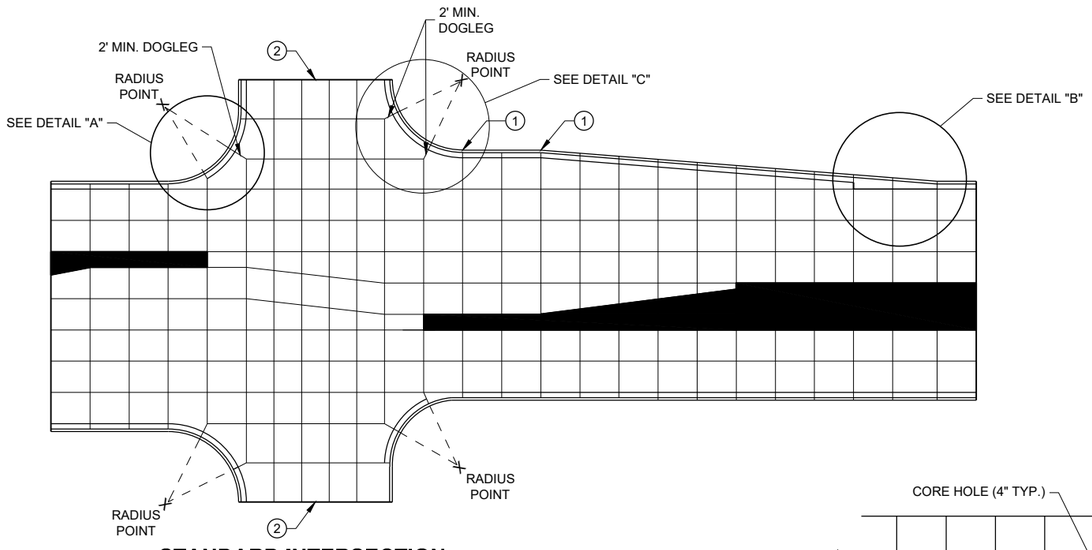
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

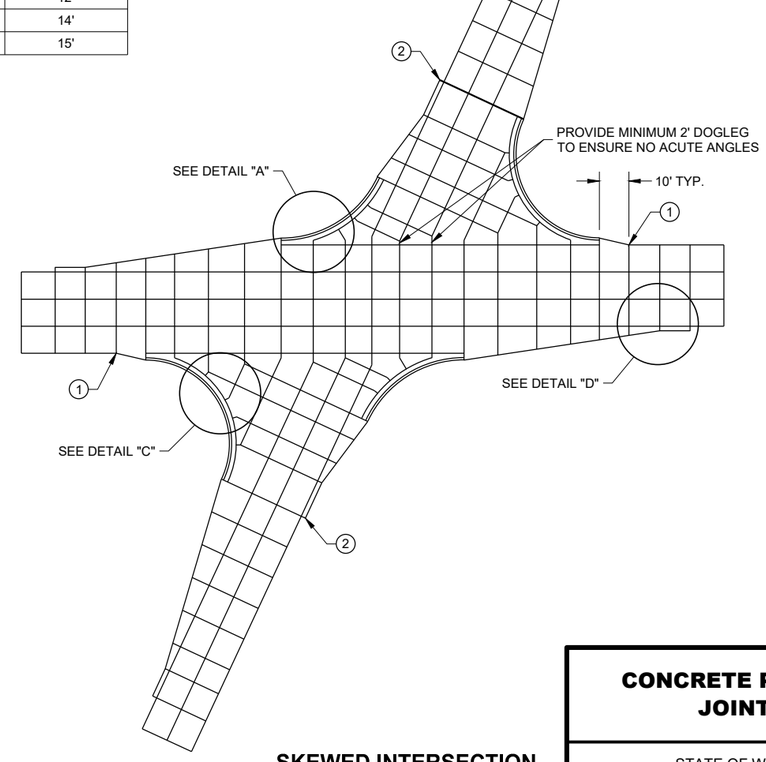
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



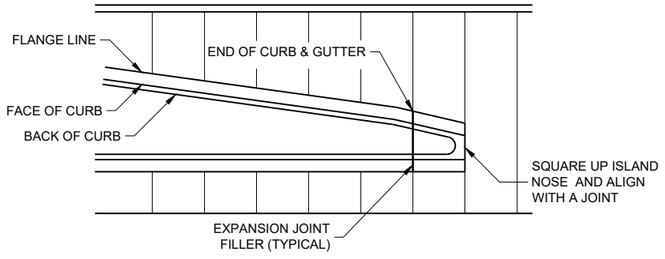
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

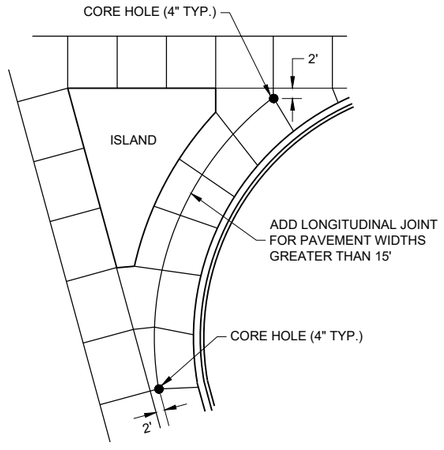
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 07a

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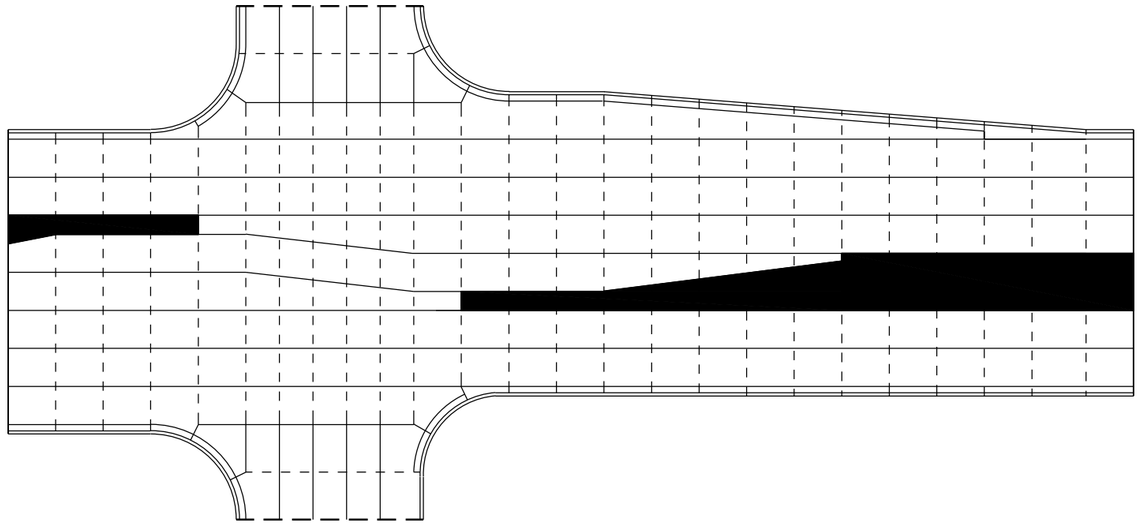
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

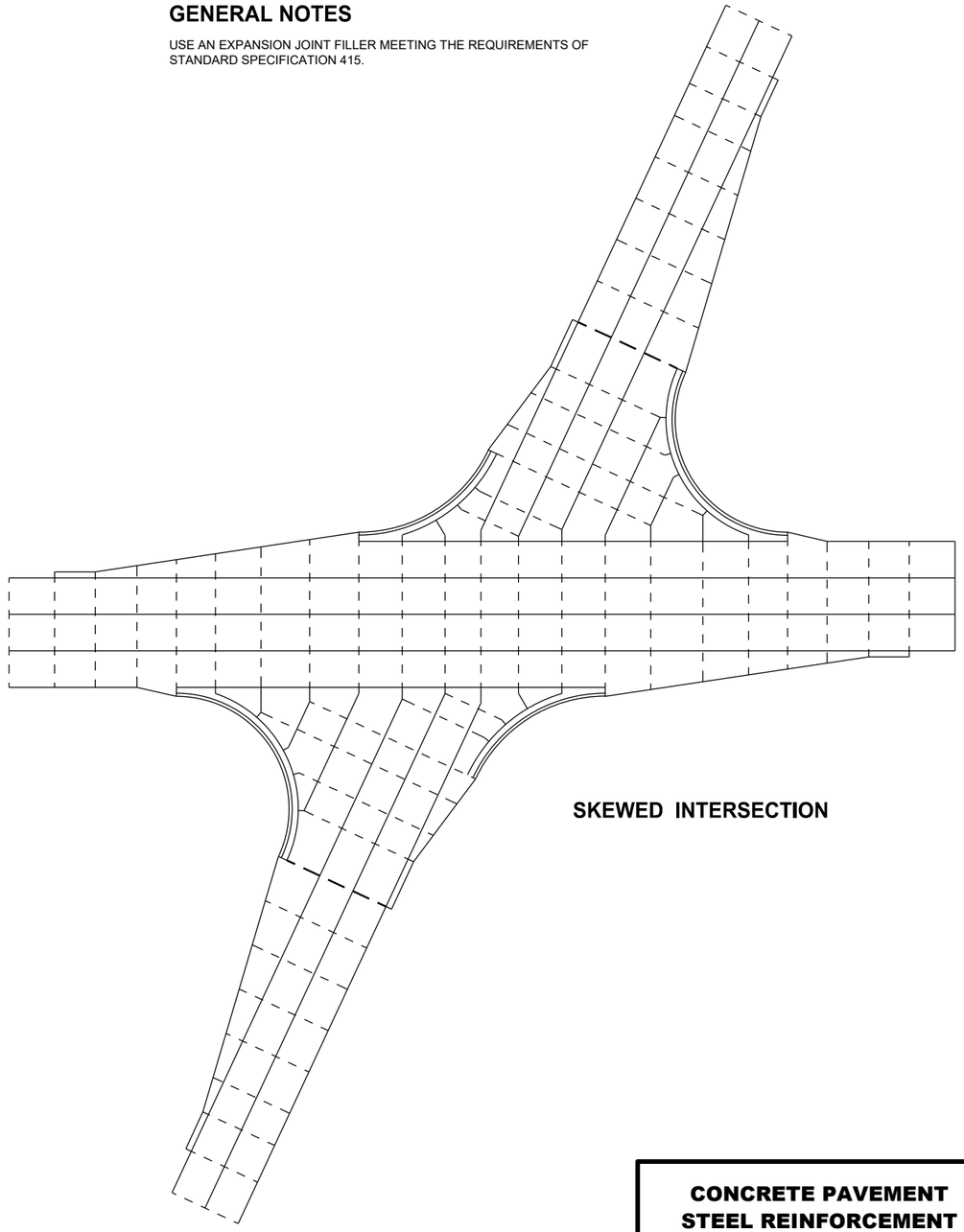
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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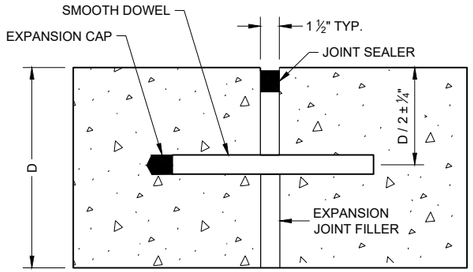
SDD 13C18 - 07b

CONCRETE PAVEMENT STEEL REINFORCEMENT

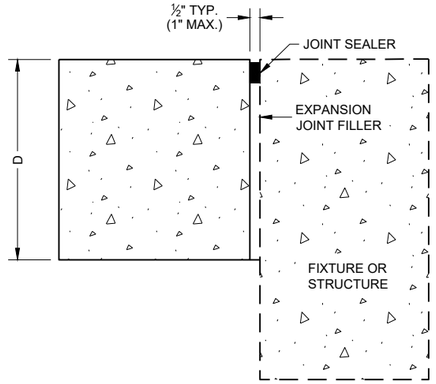
STATE OF WISCONSIN
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SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

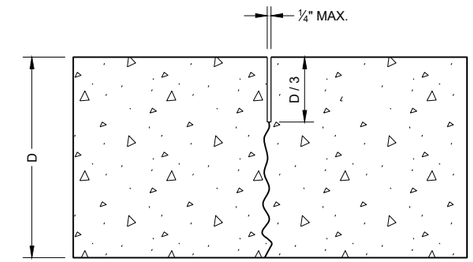
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

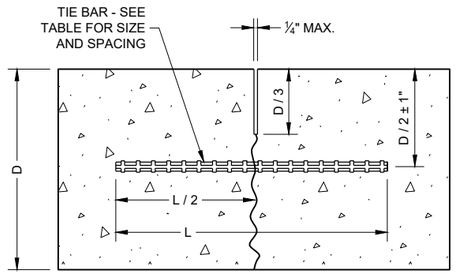
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

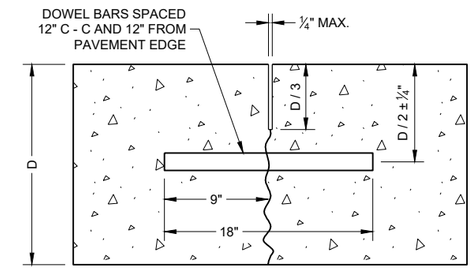
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

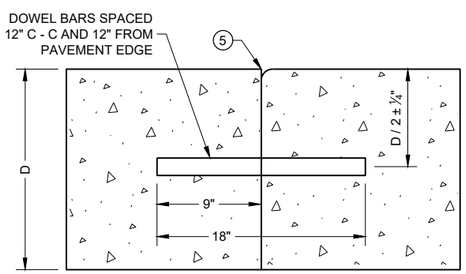


TIED LONGITUDINAL

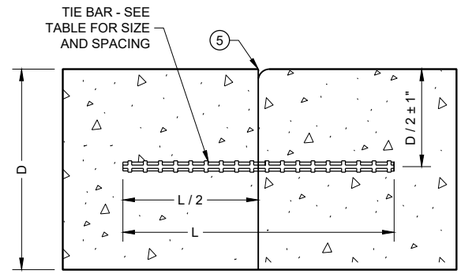


DOWELED TRANSVERSE

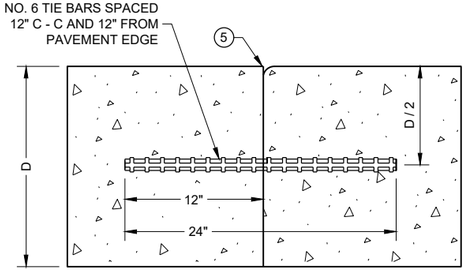
CONTRACTION JOINTS (2)



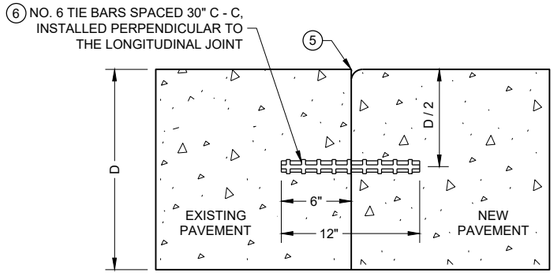
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

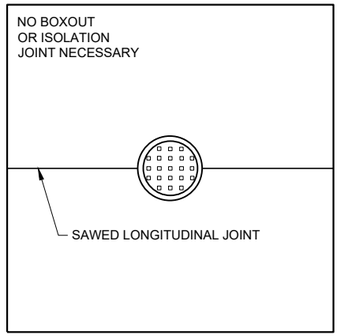
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

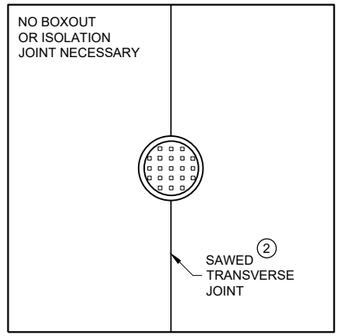
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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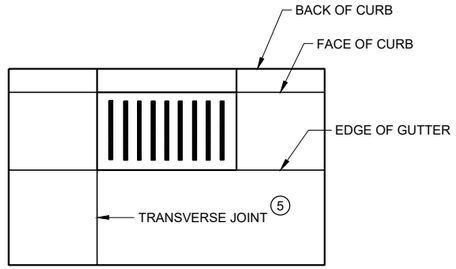
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



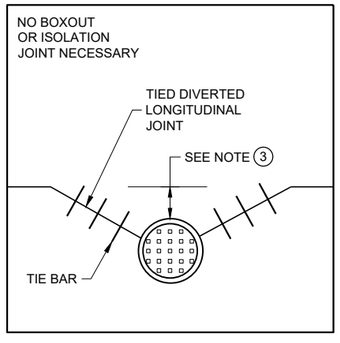
MANHOLE WITH TRANSVERSE JOINT



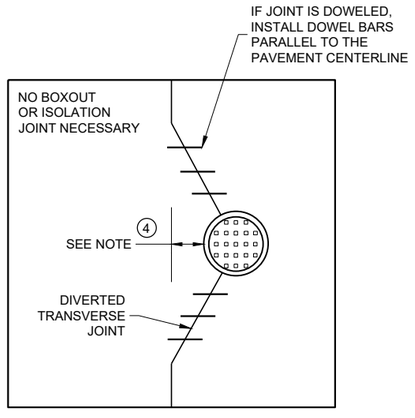
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

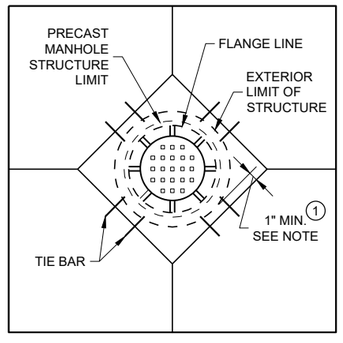
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

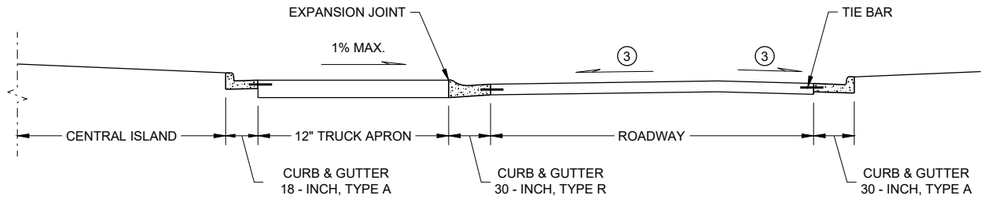
APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

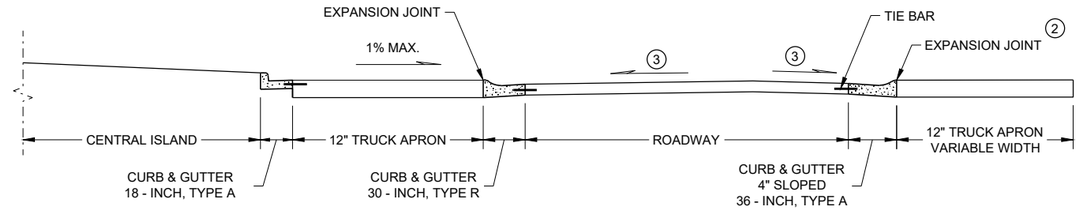
FHWA

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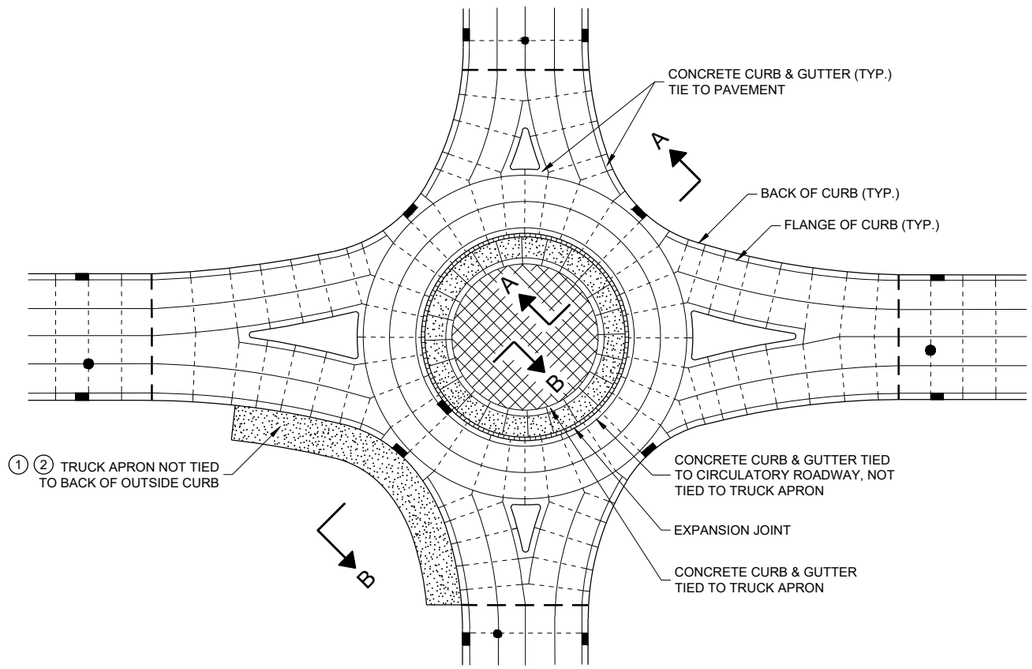
SDD 13C18 - 07d



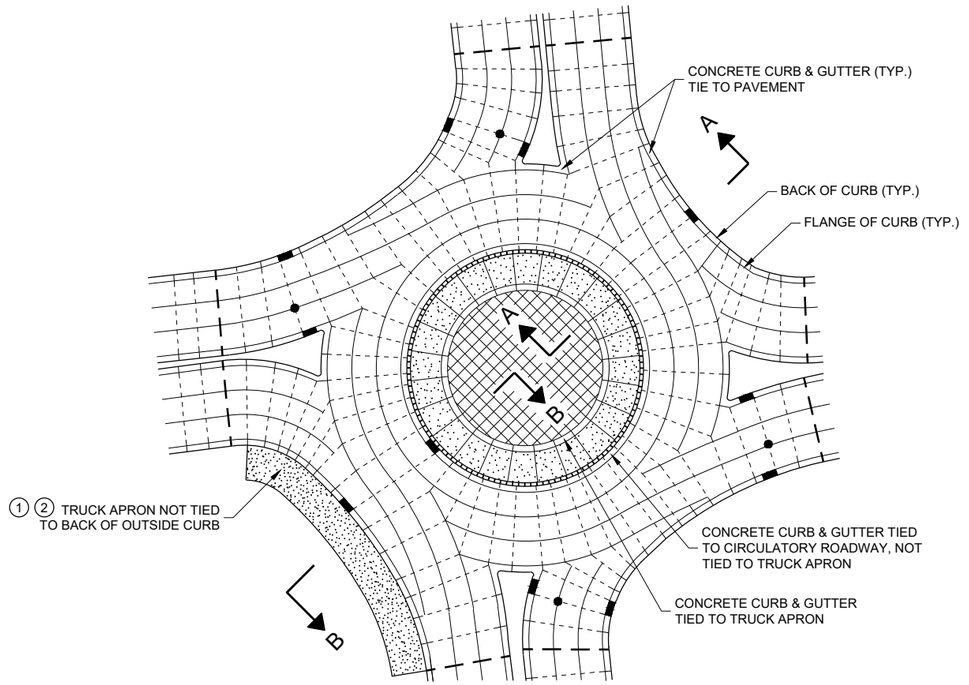
SECTION A - A



SECTION B - B



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
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November 2018
DATE

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PAVEMENT SUPERVISOR

671

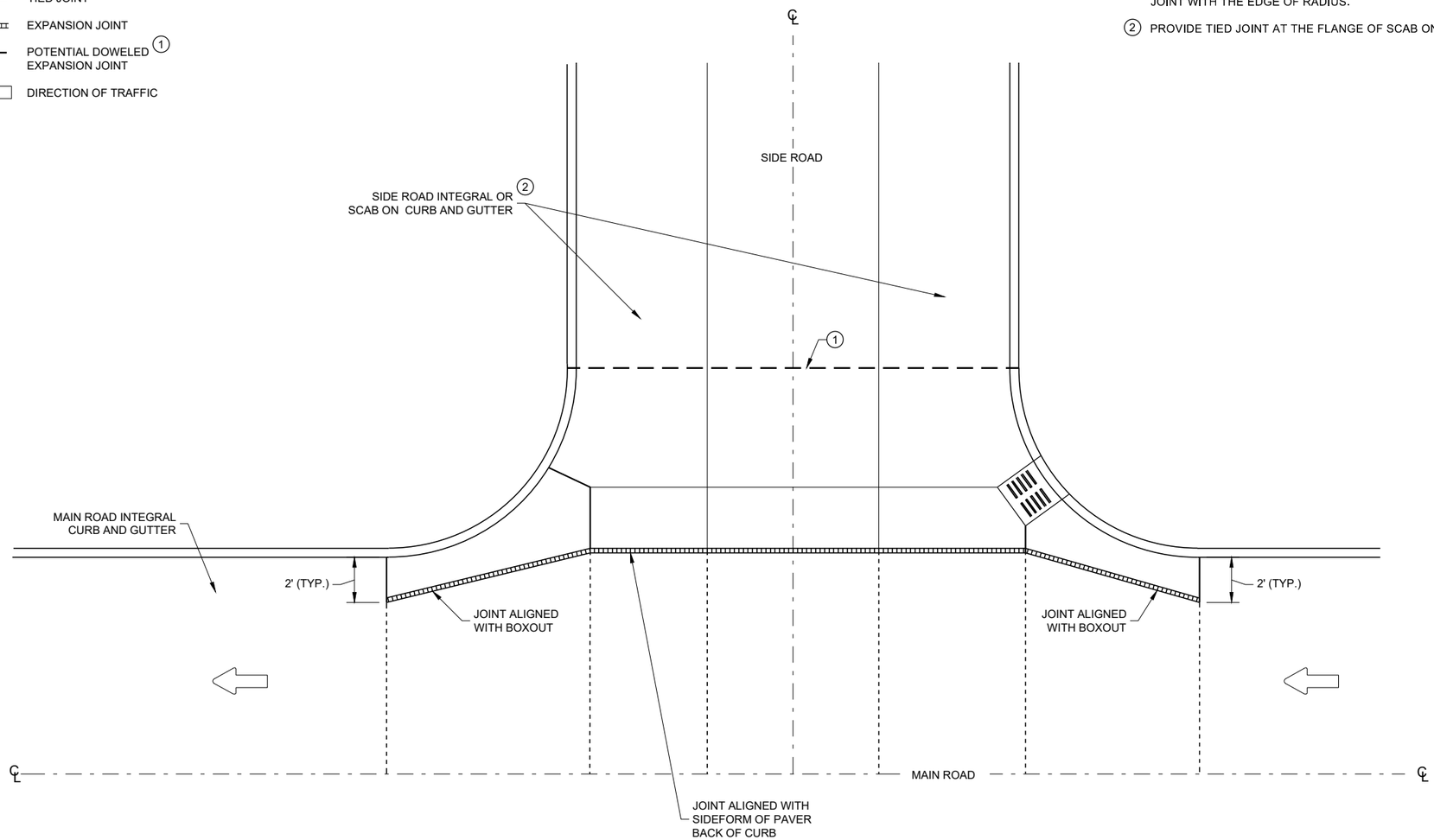
FHWA

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SDD 13C18 - 07e

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

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SDD 13C18 - 07f

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SDD 13C18 - 07f

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

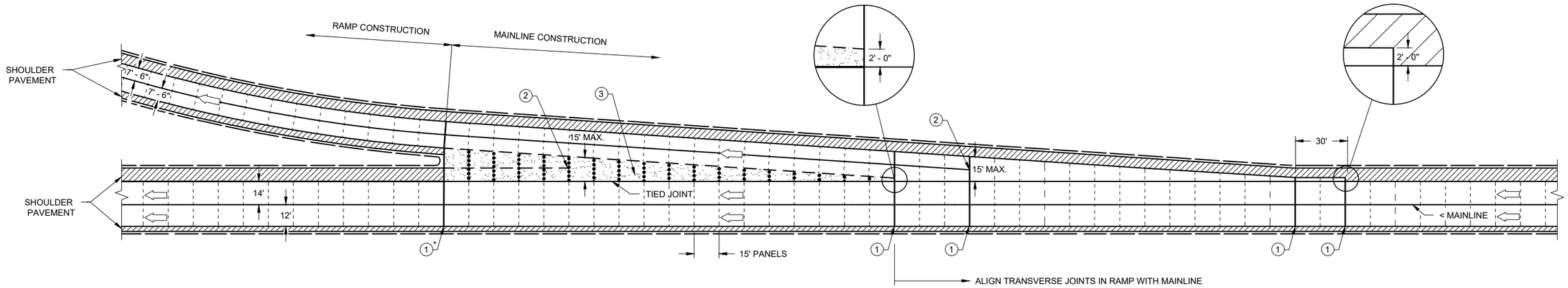
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

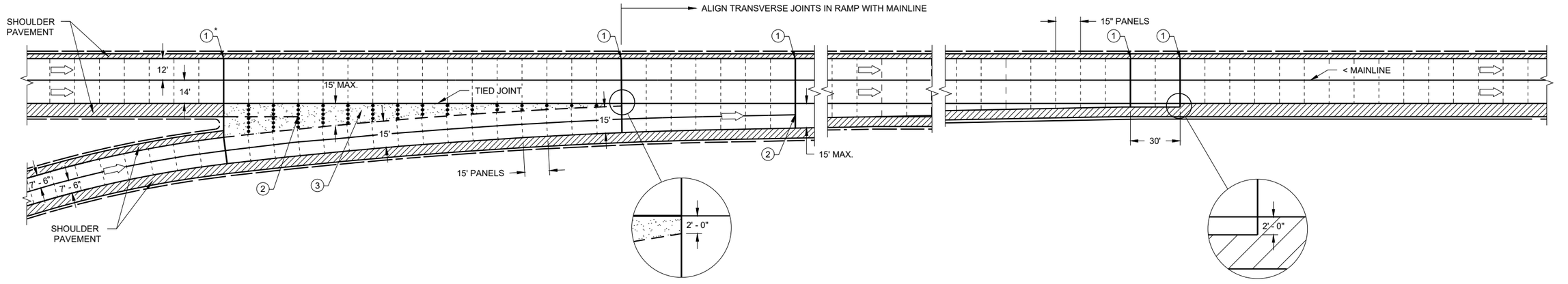
November 2018
DATE

/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER

FHWA



DECELERATION LANE



ACCELERATION LANE

GENERAL NOTES

PAVEMENT AND BASE THICKNESS, PANEL LENGTHS, JOINTS AND REINFORCEMENT FOR THE DECELERATION AND ACCELERATION LANES, INCLUDING TAPERS, SHALL BE THE SAME AS THE MAINLINE, EXCEPT WHERE OTHERWISE NOTED.

ALL REINFORCEMENT BARS SHALL BE EPOXY COATED CONFORMING TO SUBSECTION 505.2.6 OF THE STANDARD SPECIFICATIONS.

LANE AND SHOULDER WIDTHS MAY VARY FROM SHOWN. SEE CONSTRUCTION PLANS FOR ACTUAL PROPOSED WIDTHS.

(1) CRITICAL TRANSVERSE JOINT LOCATIONS AT PAVEMENT WIDTH CHANGES.
((1)* IS NOT A CRITICAL TRANSVERSE JOINT WHEN ASPHALTIC GORE IS INSTALLED).

(2) STOP LONGITUDINAL JOINT WITH CORE HOLE (2" TYP.) WHEN IT MEETS THE FIRST TRANSVERSE JOINT LESS THAN 15' WIDE OR STOP LONGITUDINAL JOINT WHEN IT MEETS 2' AWAY FROM THE TIED JOINT OF THE MAINLINE.

(3) DISREGARD THE JOINT DETAILS IN AND AROUND THE GORE WHEN ASPHALTIC GORE IS INSTALLED.

LEGEND

- DOWELED JOINT
- UNDOWELED JOINT
- TIED JOINT
- UNTIED JOINT
- GORE
- DIRECTION OF TRAVEL

CONCRETE PAVEMENT JOINTING ACCELERATION/ DECELERATION LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

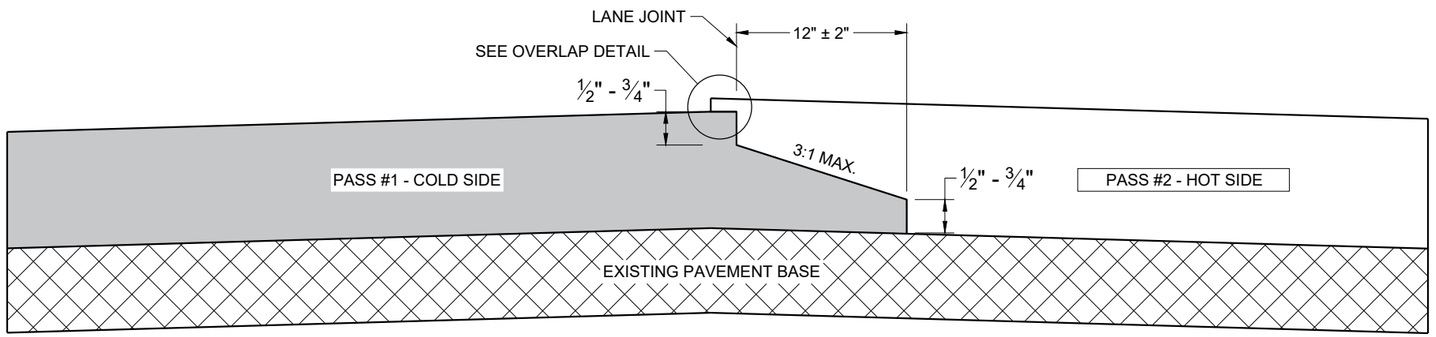
APPROVED
November 2018
DATE
/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER
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FHWA

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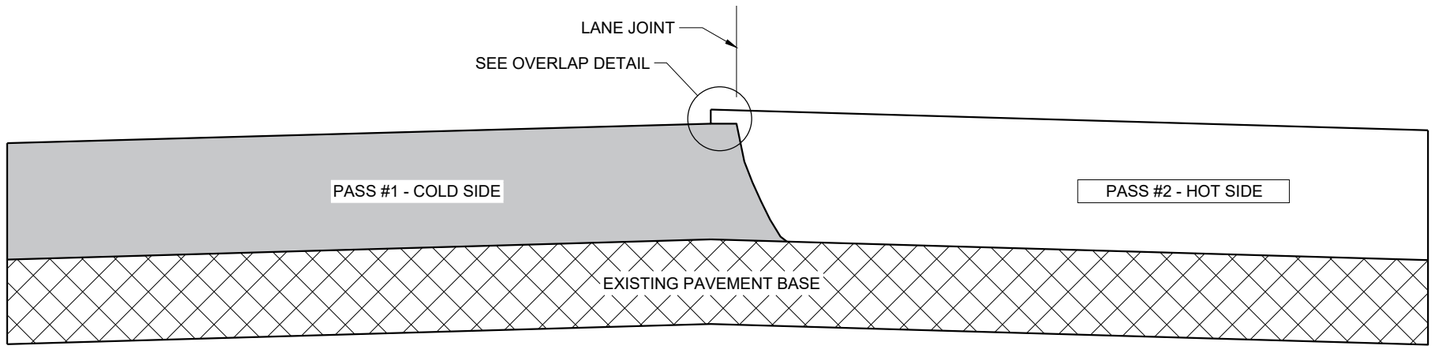
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SDD13C18 - 07g

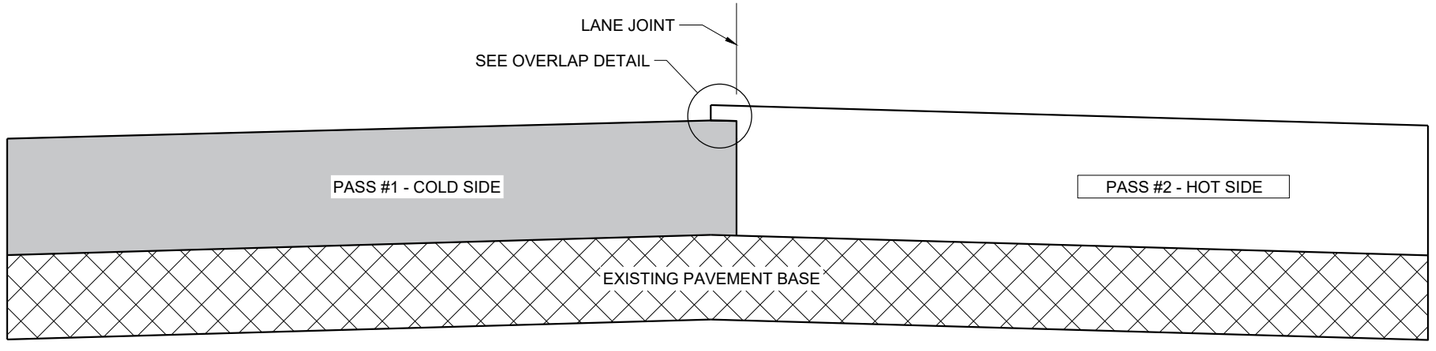
SDD13C18 - 07g



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

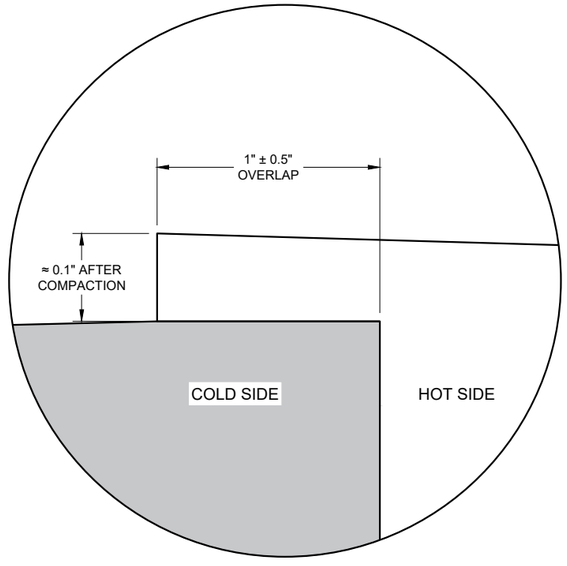
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

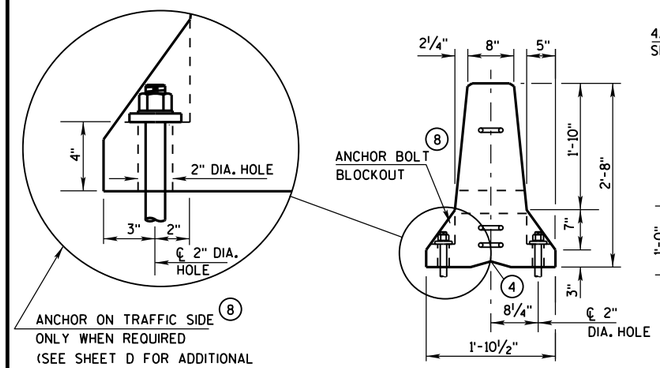
HMA LONGITUDINAL JOINTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2020 DATE	/S/ Steven Hefel HMA PAVEMENT ENGIN 674
FHWA	

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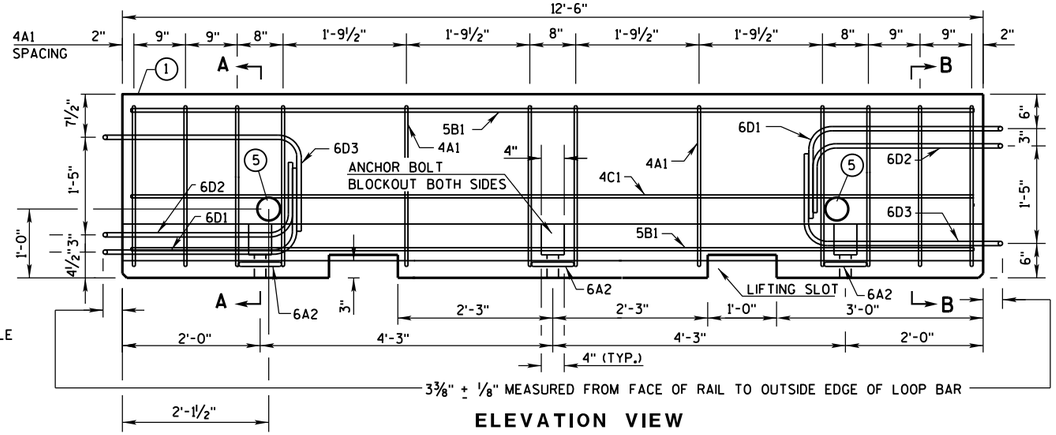
SDD 13C19 - 03

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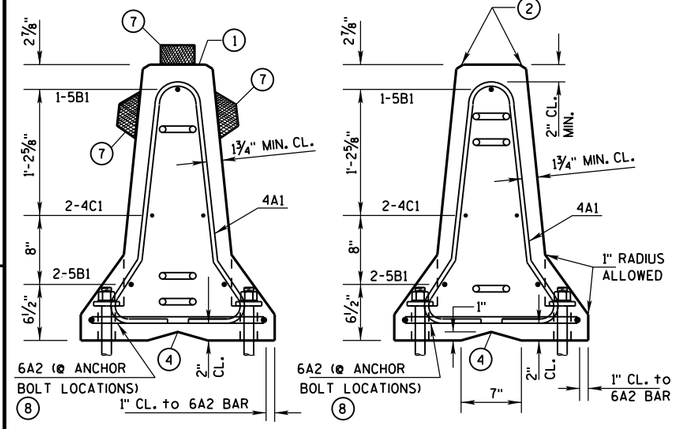
SDD 13C19 - 03



END VIEW

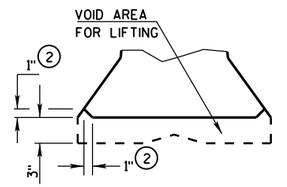


ELEVATION VIEW

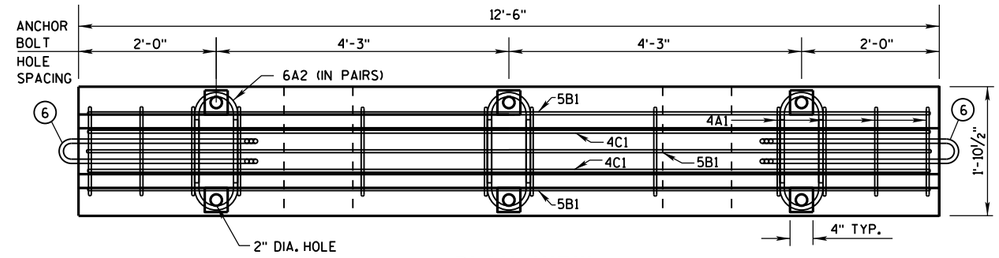


SECTION A-A
(STIRRUP PLACEMENT)

SECTION B-B
(STIRRUP PLACEMENT)

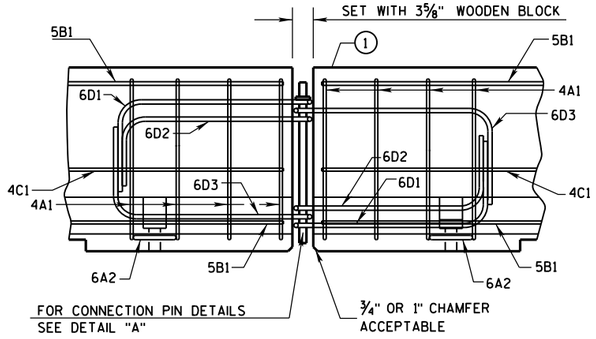


DETAIL "B"
LIFTING SLOT DETAIL

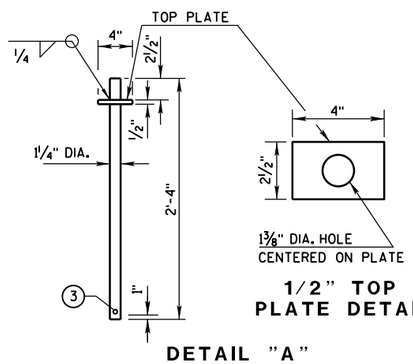


PLAN VIEW

DETAILS OF BARRIER SECTION

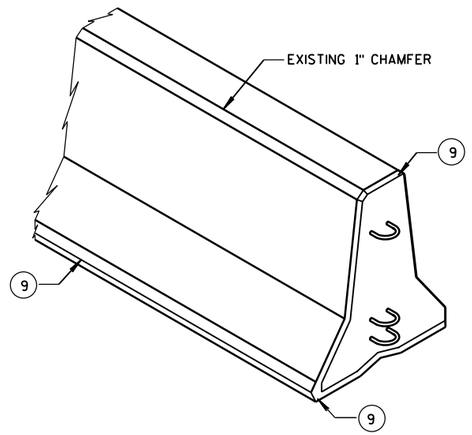


DETAILS OF BARRIER CONNECTION



1/2" TOP
PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

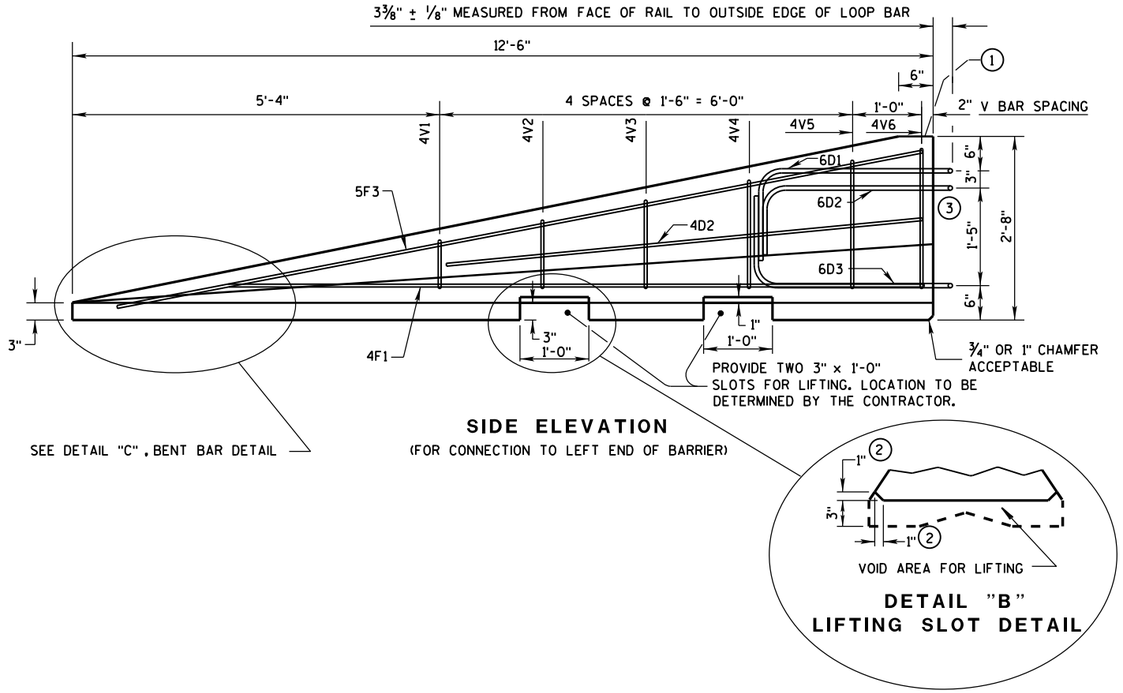
(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

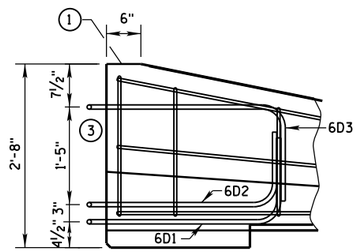
(9) 1" CHAMFER OPTIONAL.

f'c = 4,000 psi

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

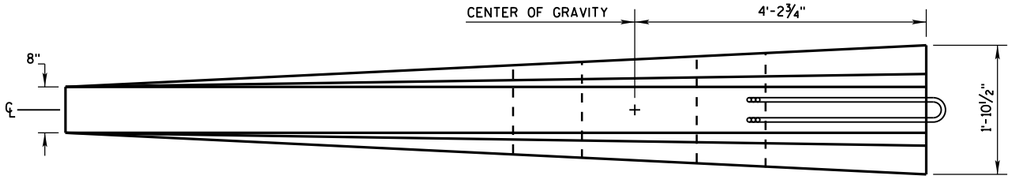
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 675

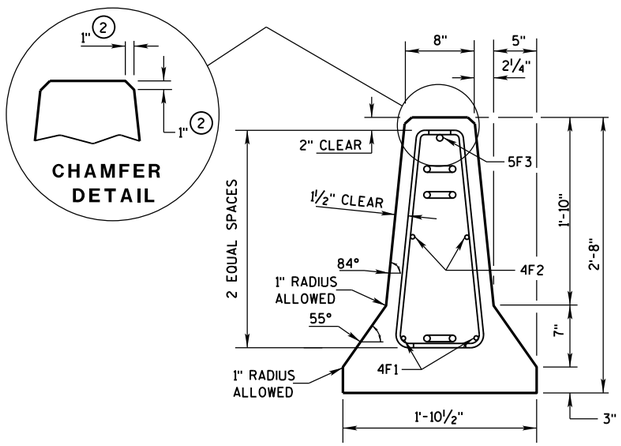


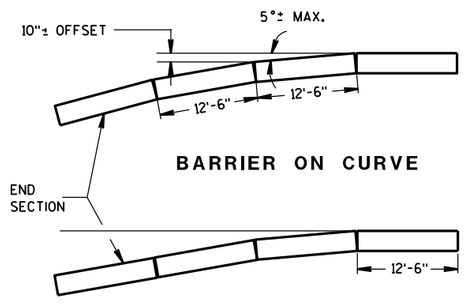


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 676

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S.D.D. 14 B 7-15b

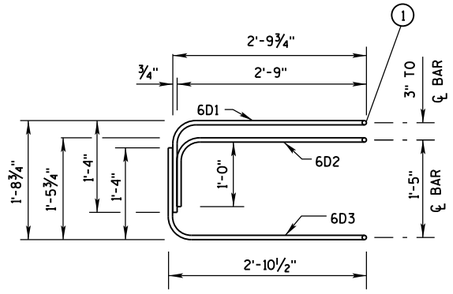
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S.D.D. 14 B 7-15b

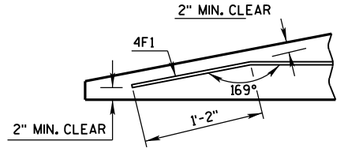
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

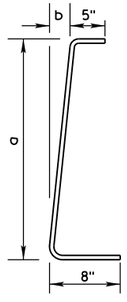
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

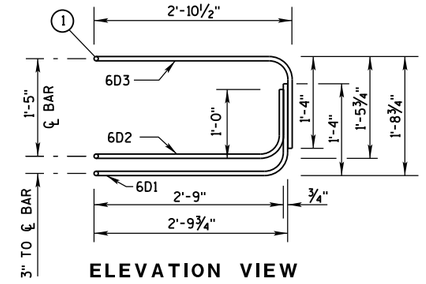
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

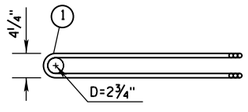
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

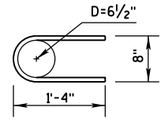
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



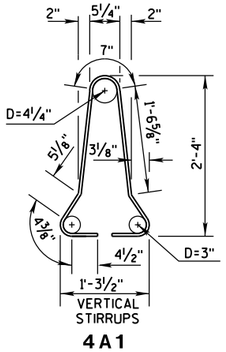
ELEVATION VIEW



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



4A1

BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

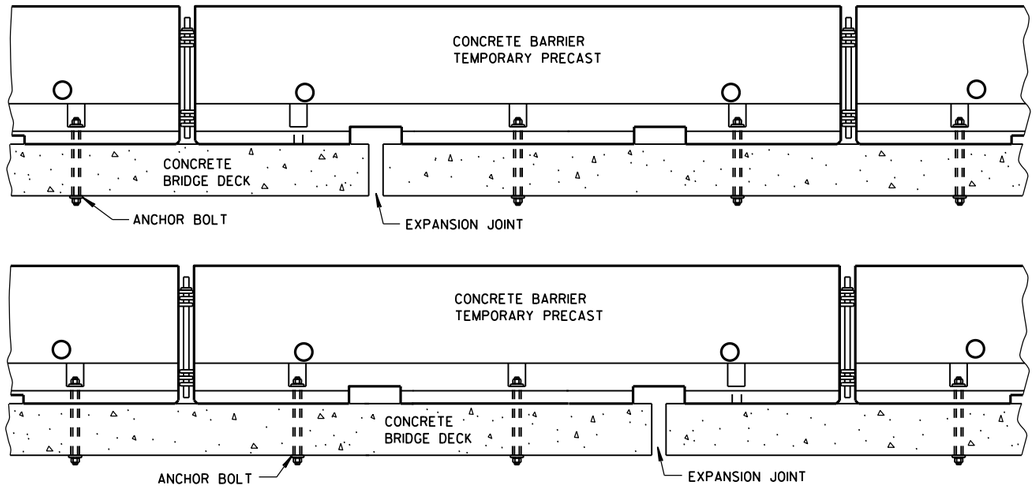
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 677

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S.D.D. 14 B 7-15c

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S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

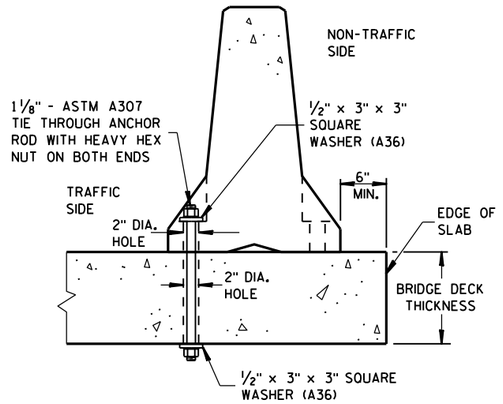
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

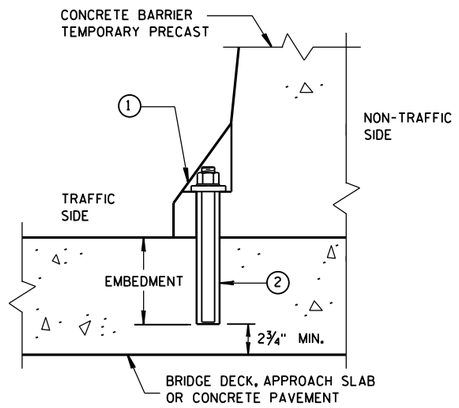
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



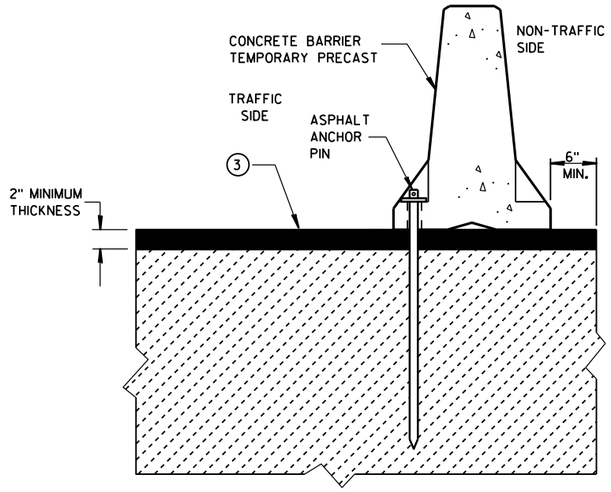
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

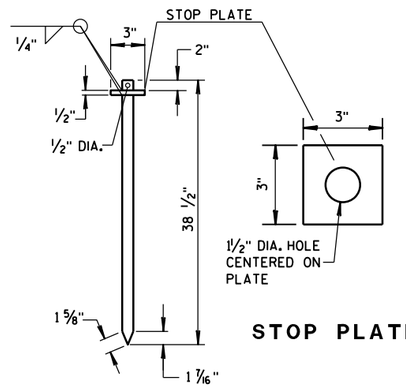


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



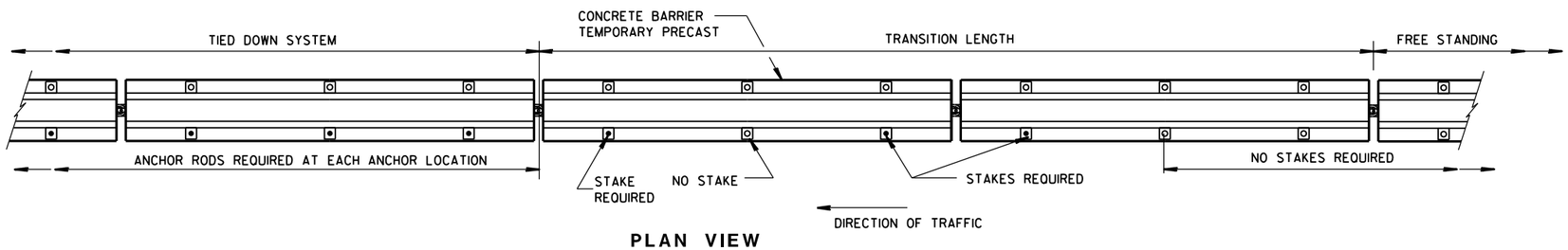
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

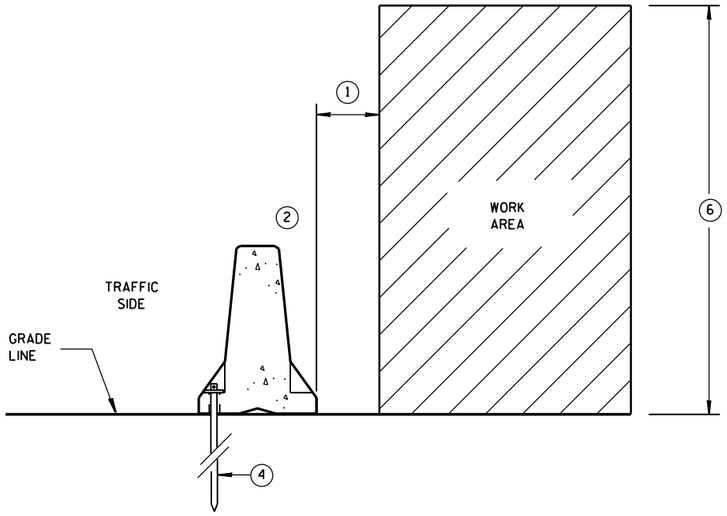
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

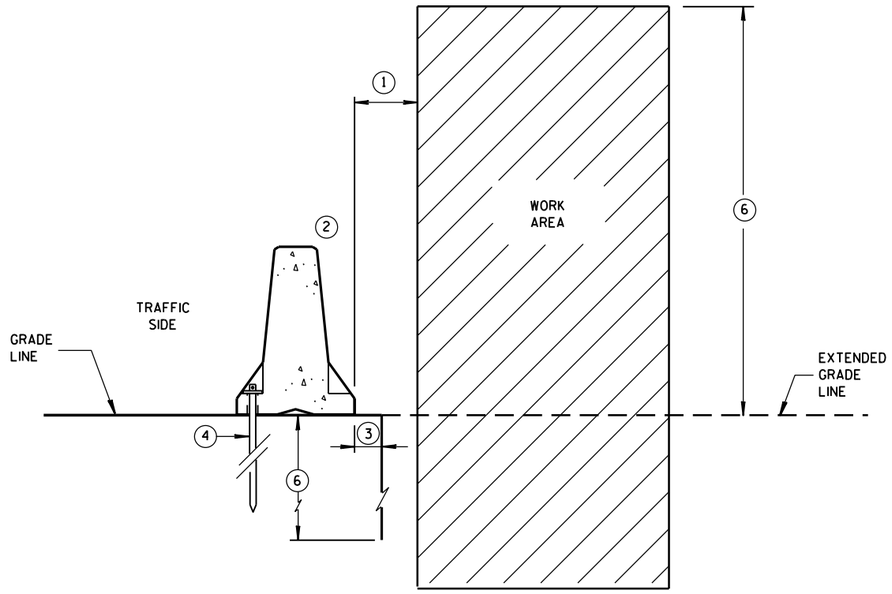
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

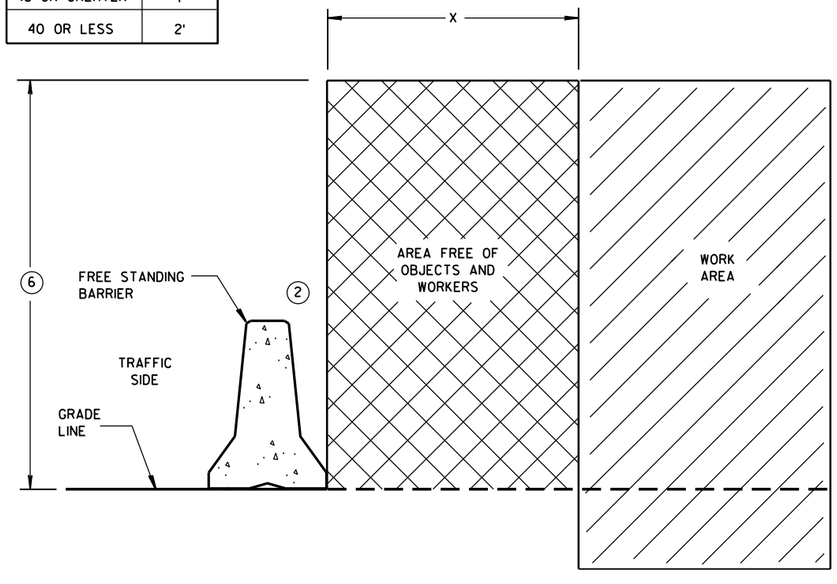


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

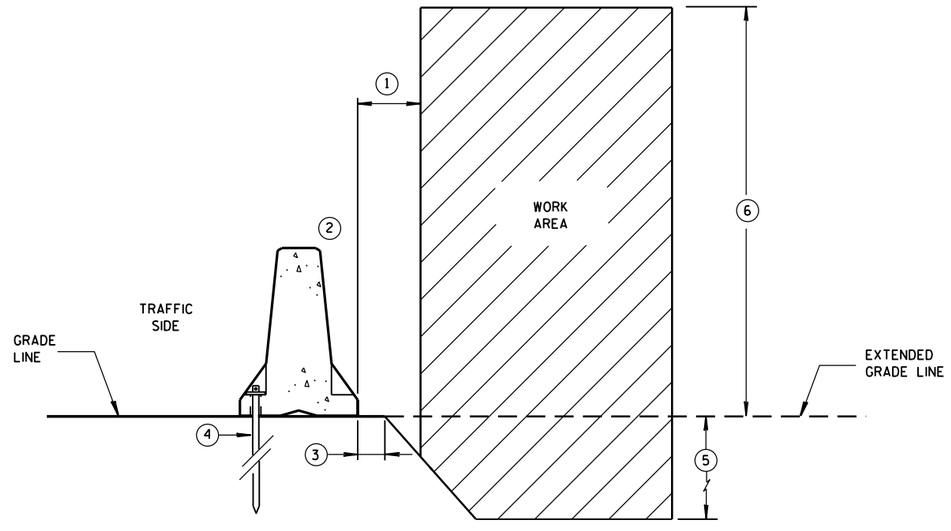
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



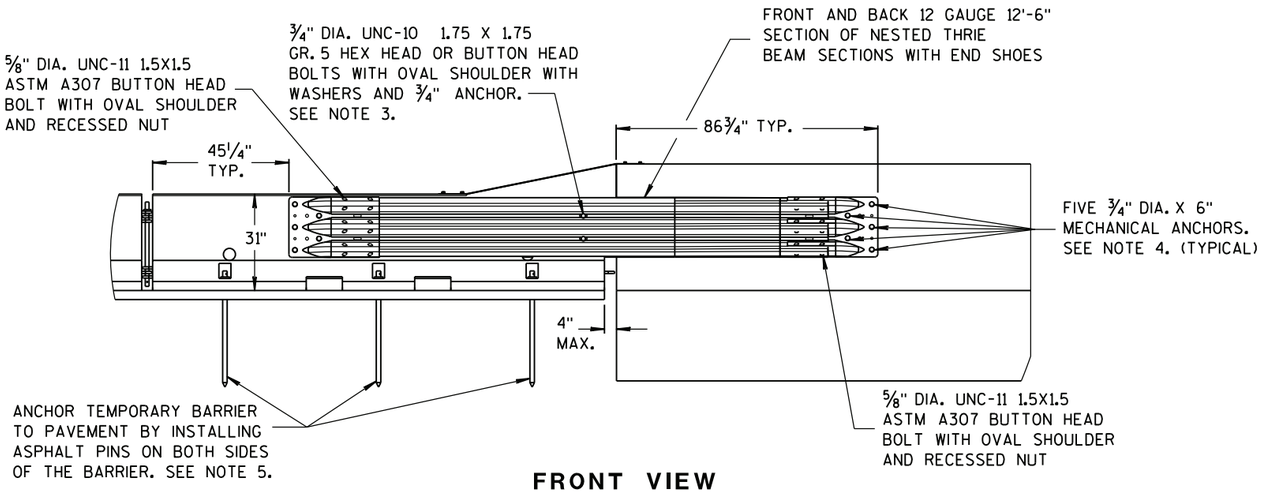
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

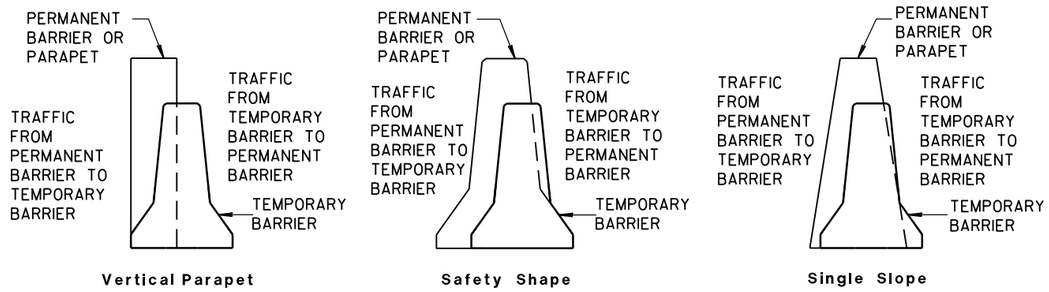
STATE OF WISCONSIN
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FRONT VIEW

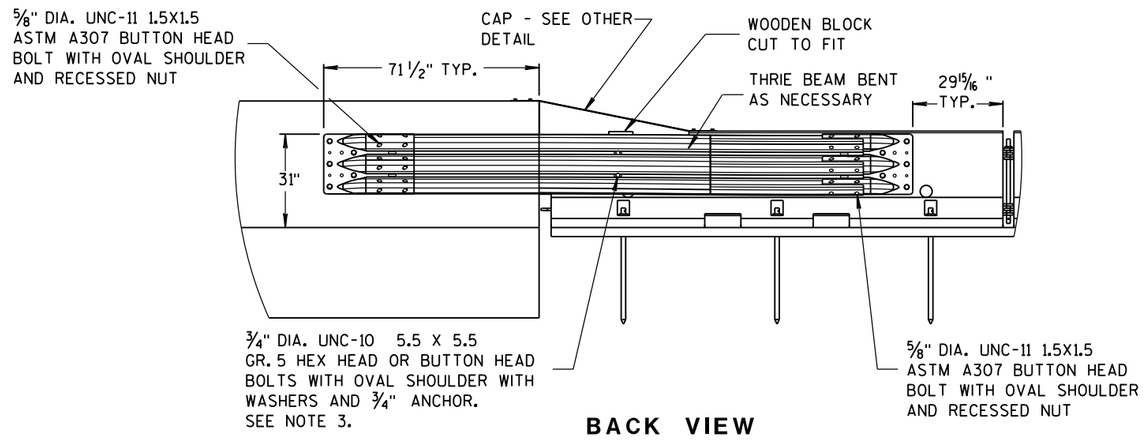


TEMPORARY BARRIER PLACEMENT FOR TRANSITION TO TIED DOWN SYSTEM

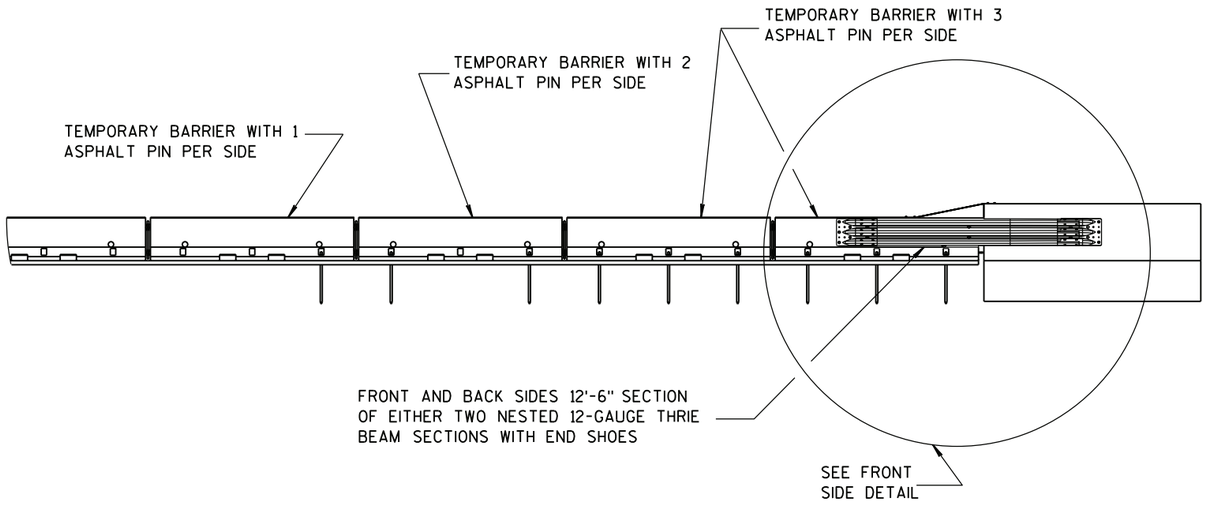
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

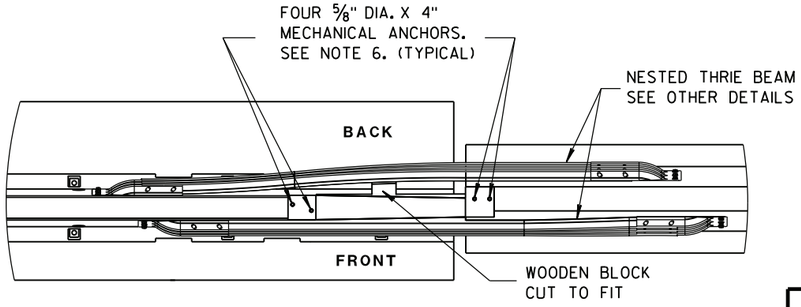
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



BACK VIEW



FRONT VIEW



PLAN VIEW

TRANSITION TO TIED DOWN SYSTEM

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

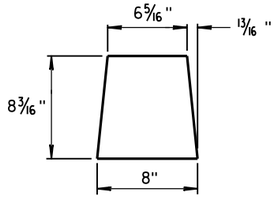
STATE OF WISCONSIN
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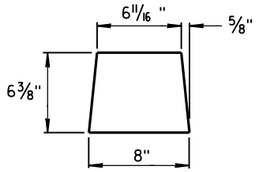
S.D.D. 14 B 7-15f

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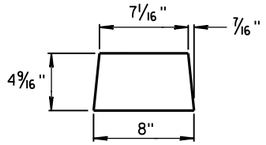
S.D.D. 14 B 7-15f



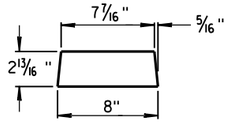
GUSSET 1



GUSSET 2

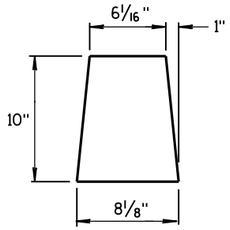


GUSSET 3

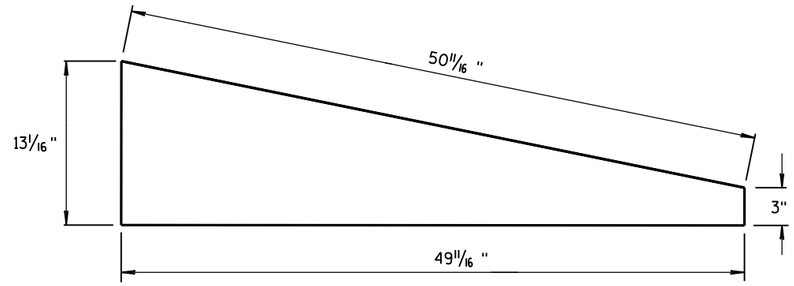


GUSSET 4

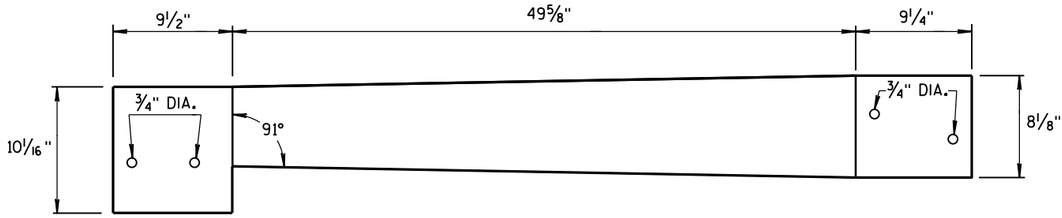
GUSSETS

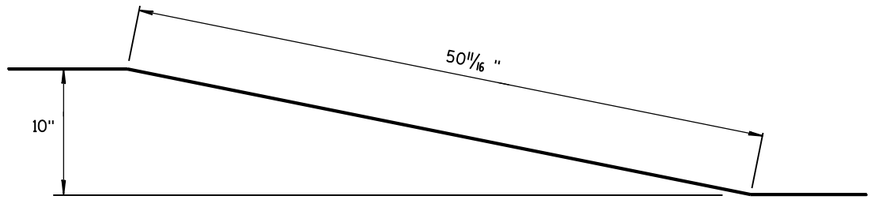


END PLATE



SIDE PLATE

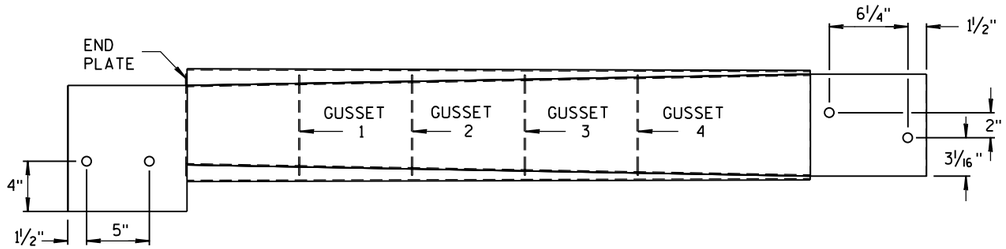


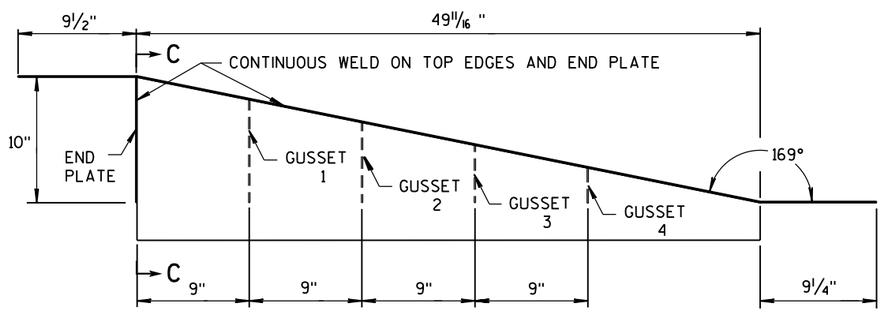


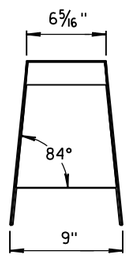
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

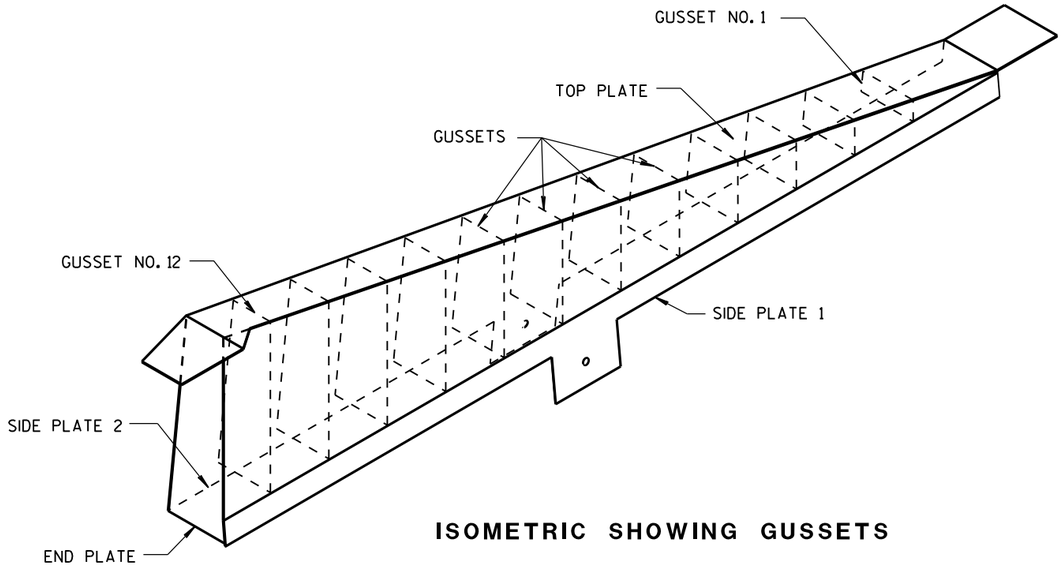
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

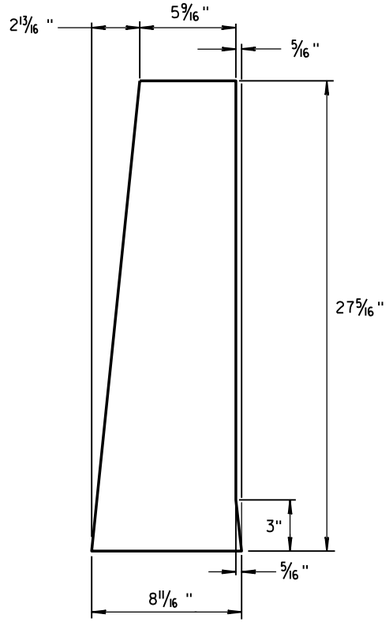
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 7-15g

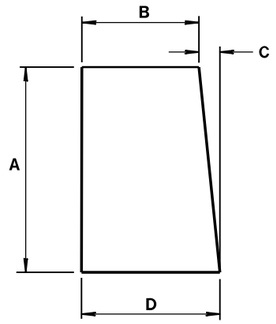


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



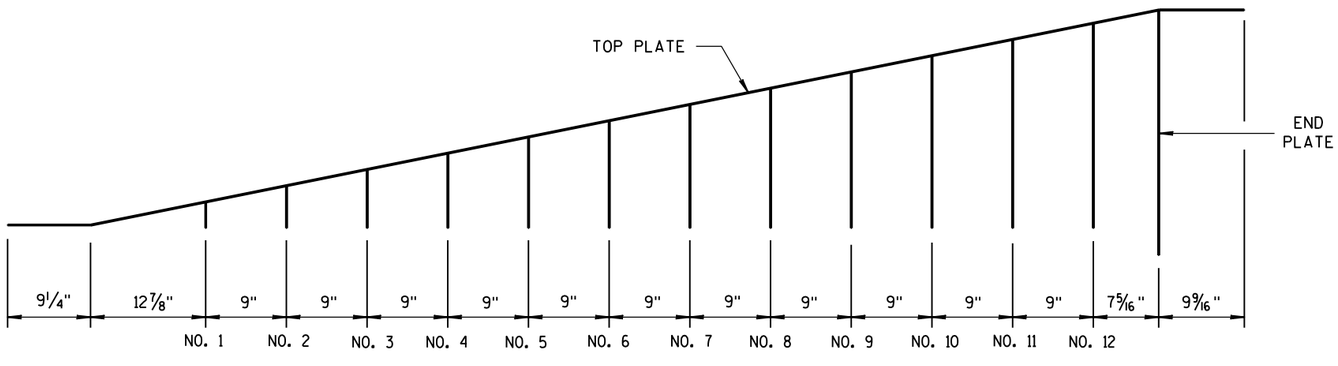
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

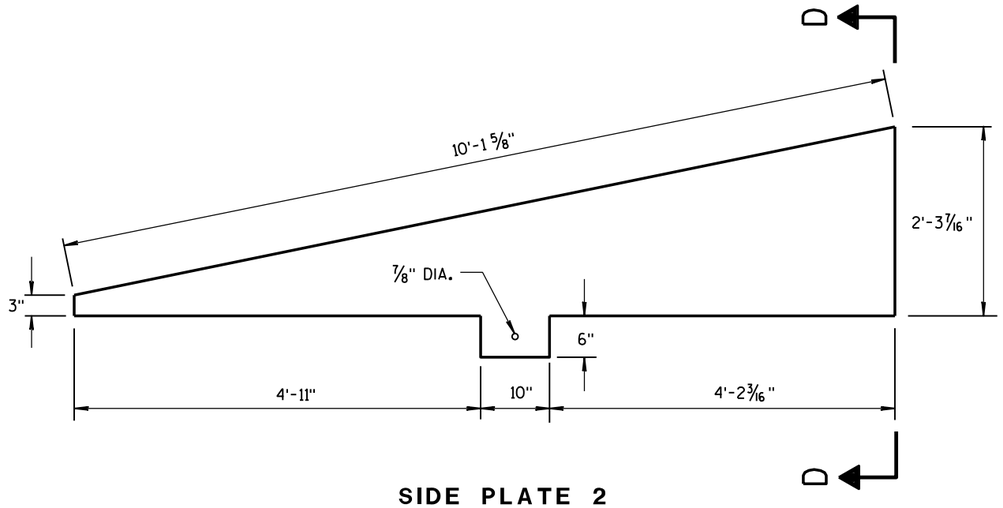
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI 682

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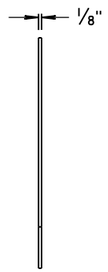
S.D.D. 14 B 7-15h

6

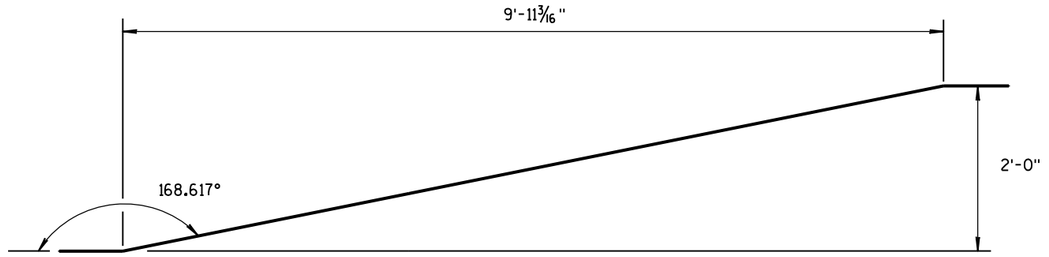
S.D.D. 14 B 7-15h



SIDE PLATE 2

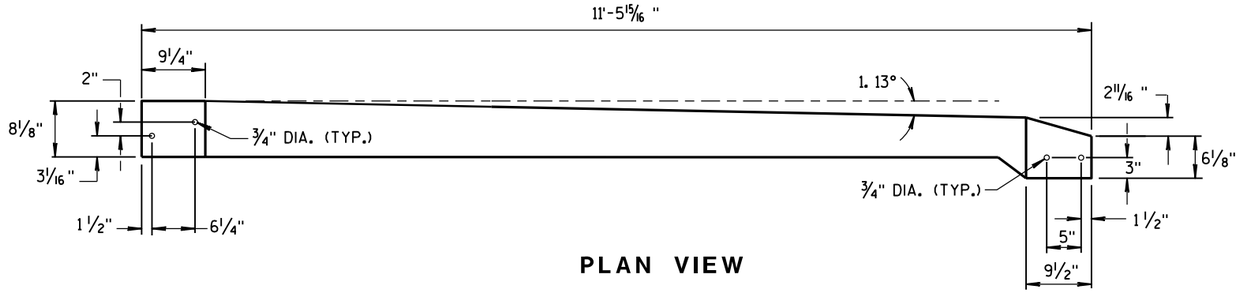


END VIEW



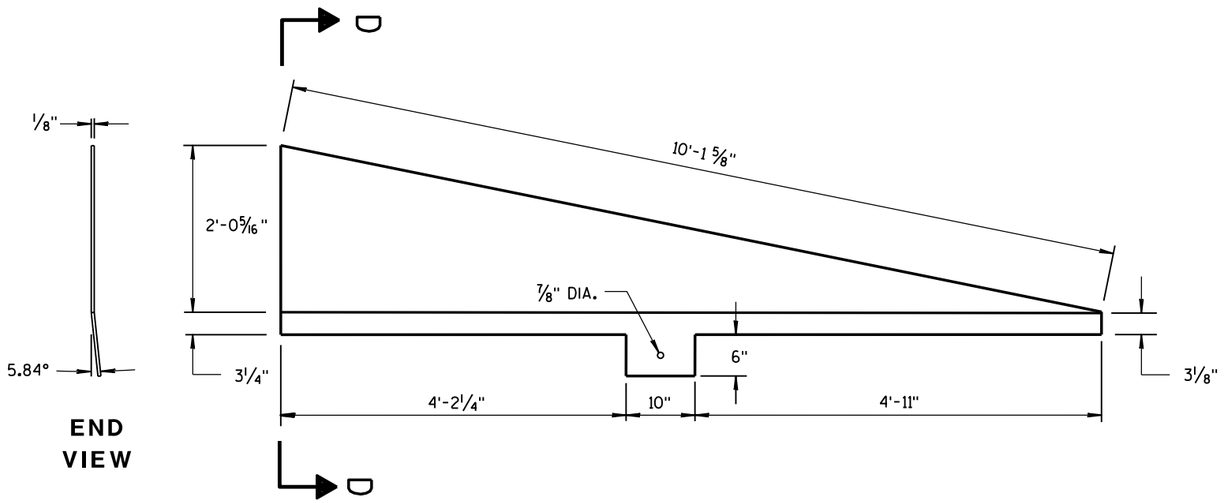
SIDE VIEW

TOP PLATE



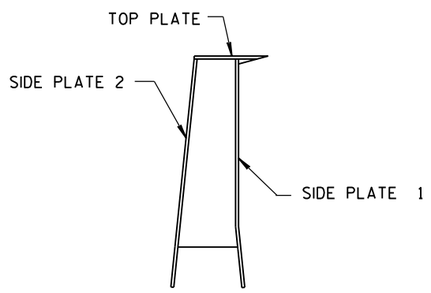
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

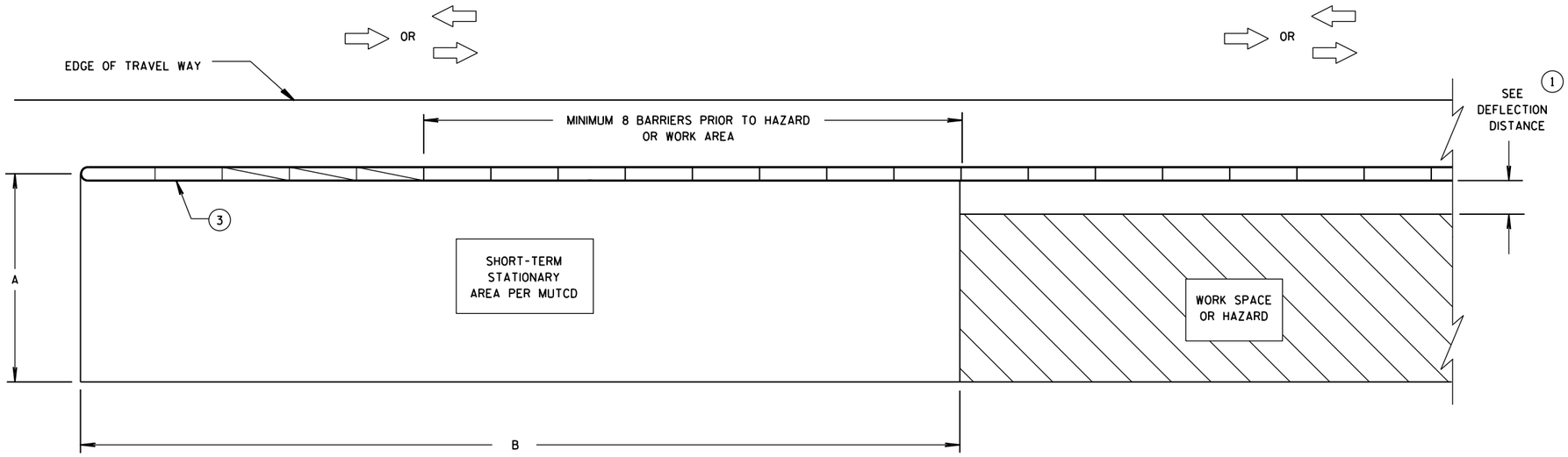
APPROVED
June 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

S.D.D. 14 B 7-15i

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S.D.D. 14 B 7-15i

6



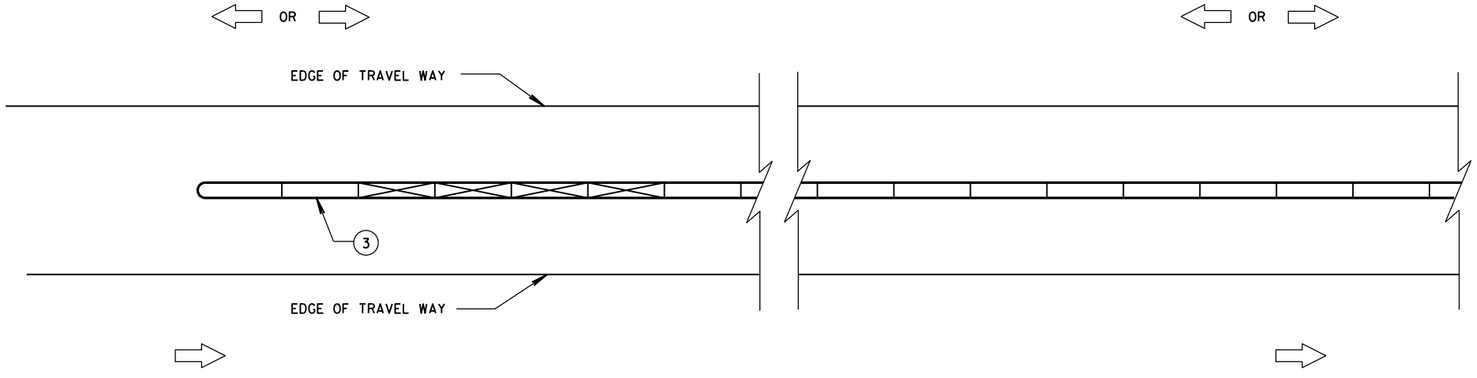
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

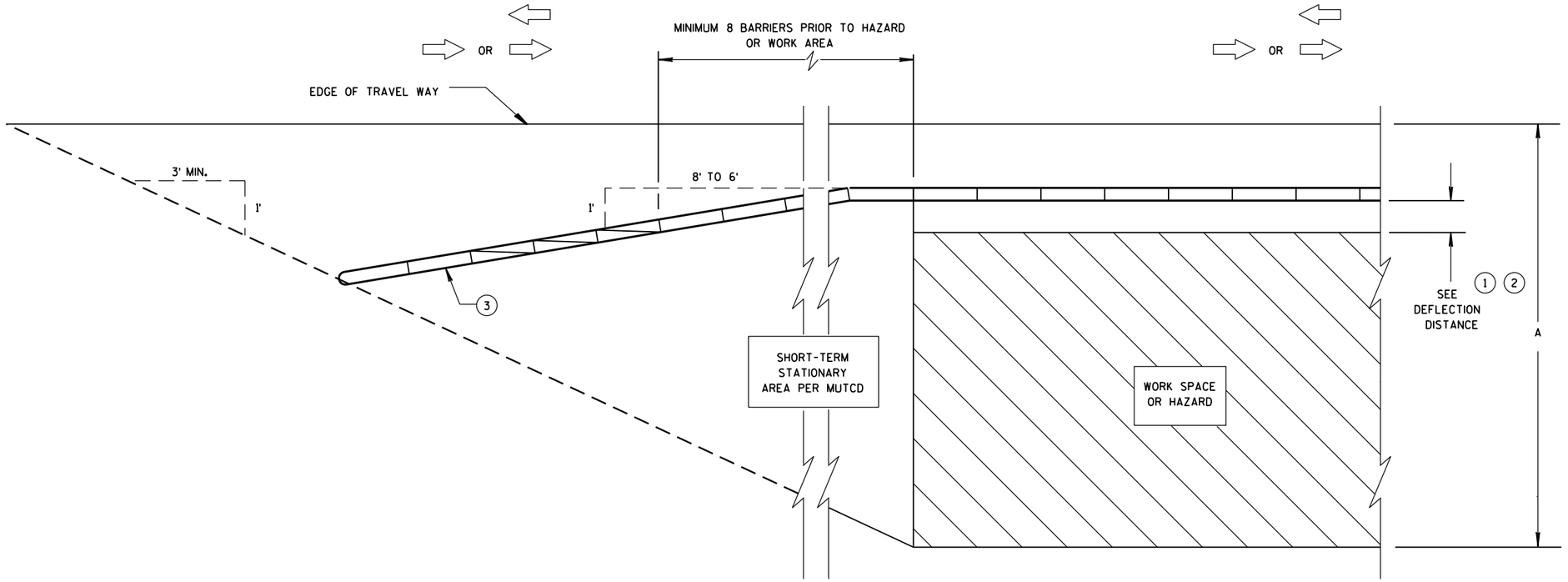
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

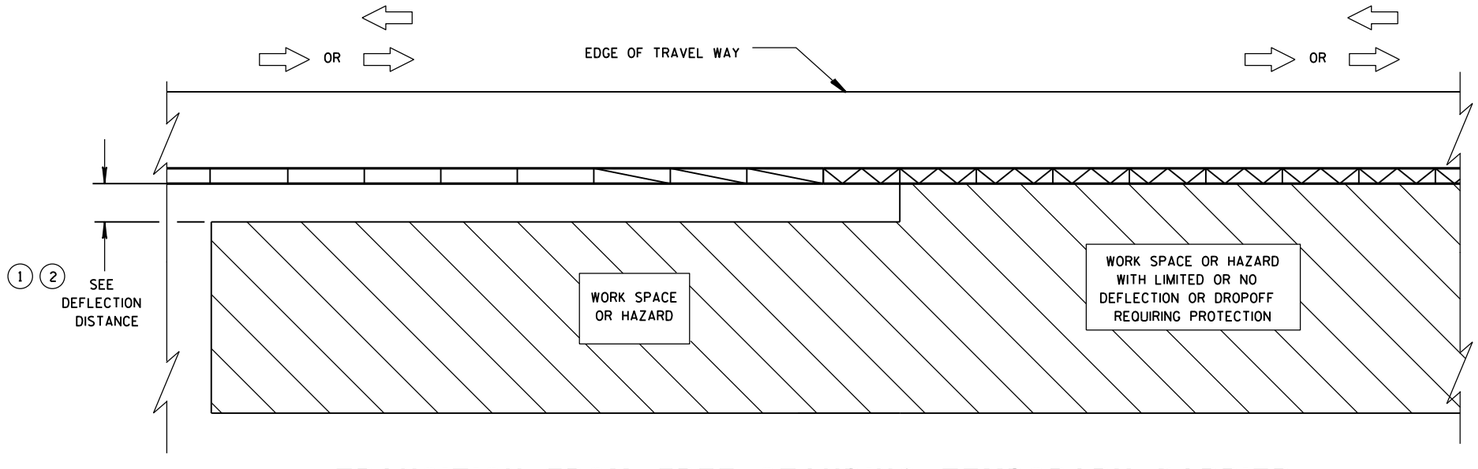
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

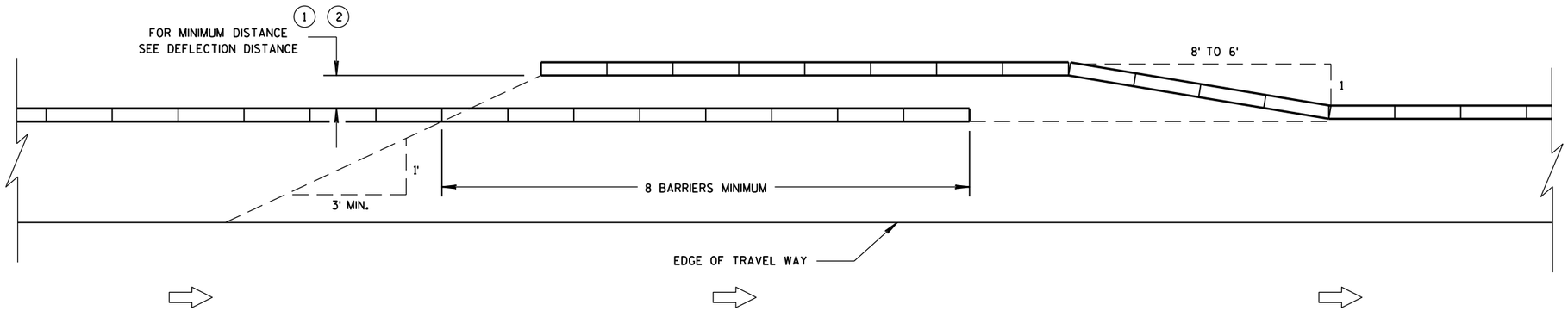
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

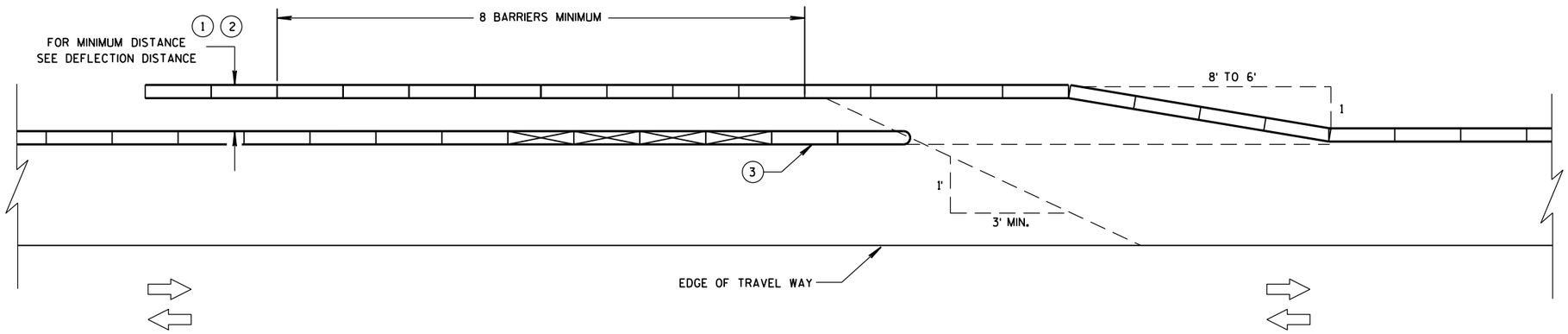
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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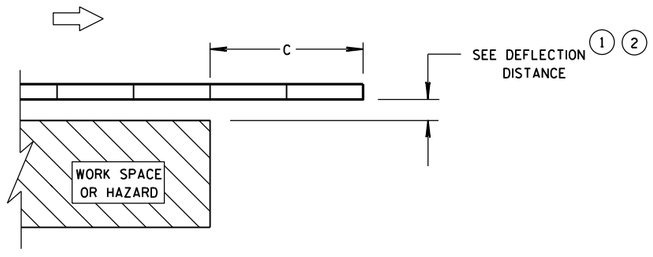
S.D.D. 14 B 8-2b



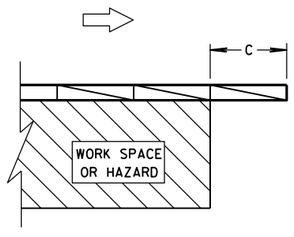
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

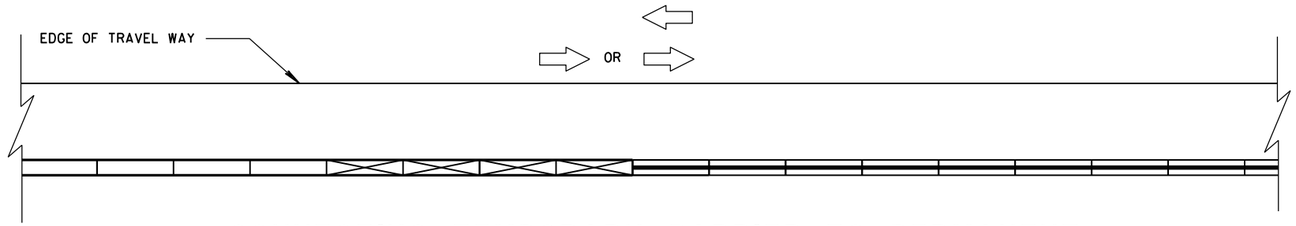
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

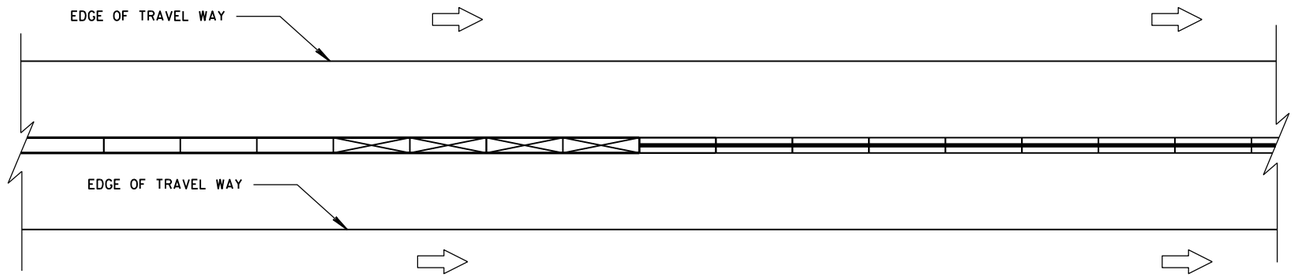
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



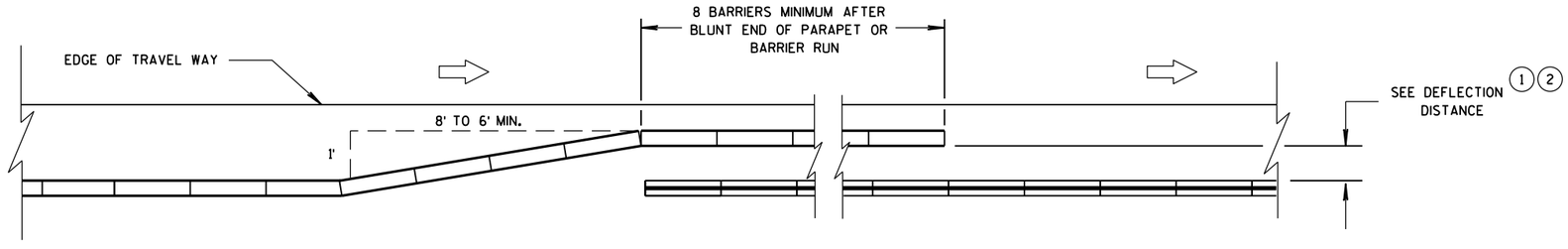
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



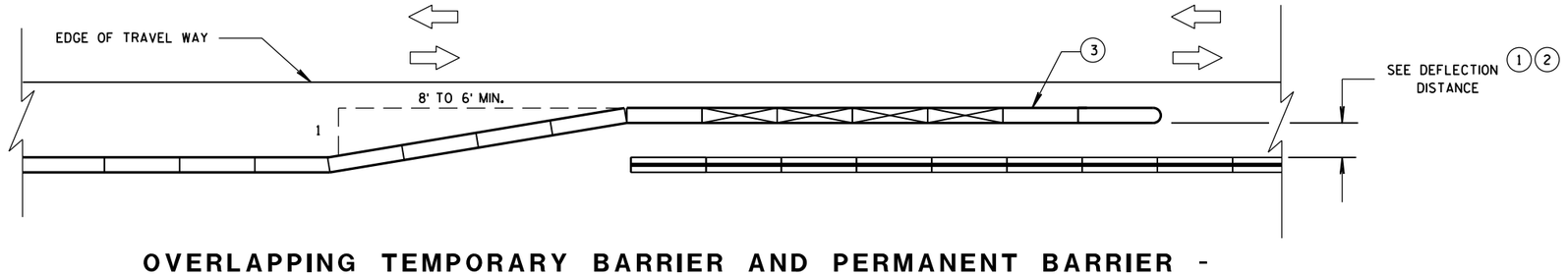
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

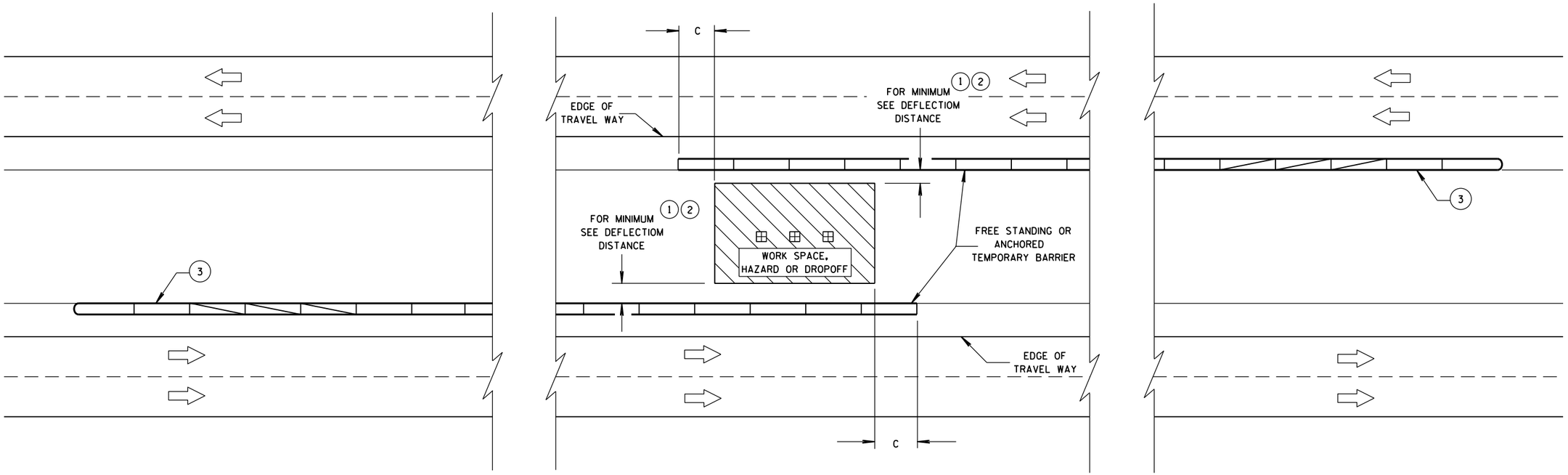
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER
688
ENT
FHWA

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S.D.D. 14 B 8-2e

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S.D.D. 14 B 8-2e

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

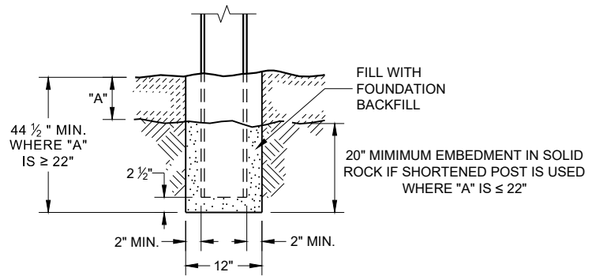
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

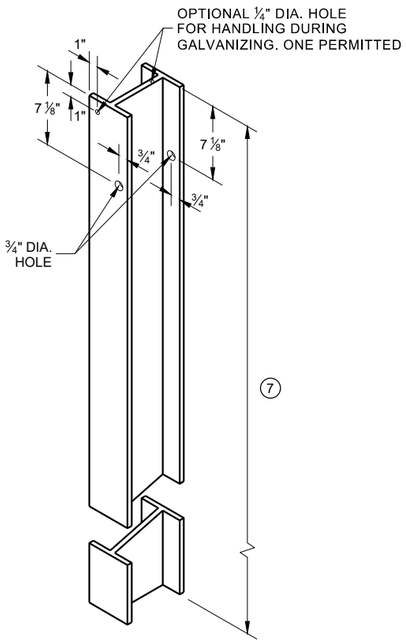
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

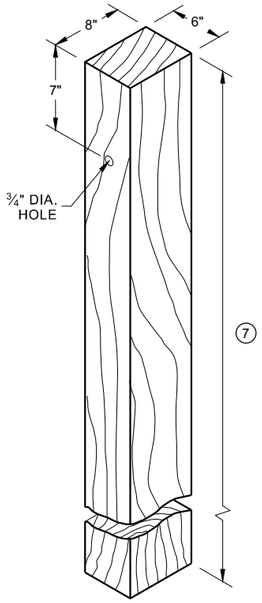
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



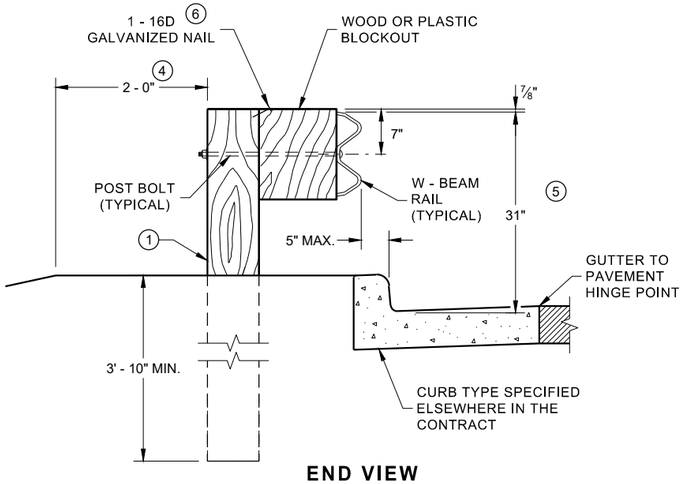
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



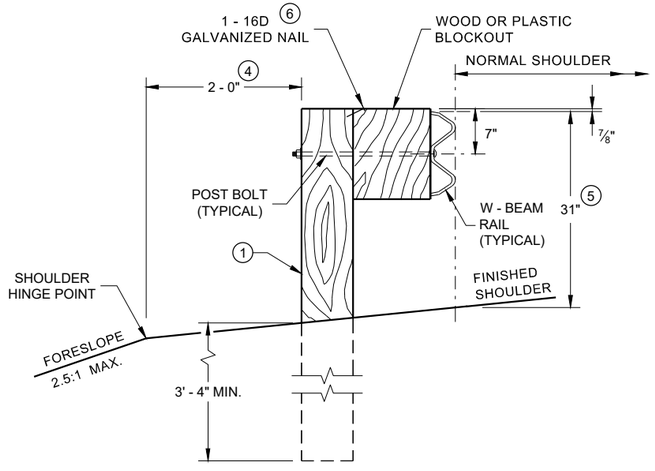
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



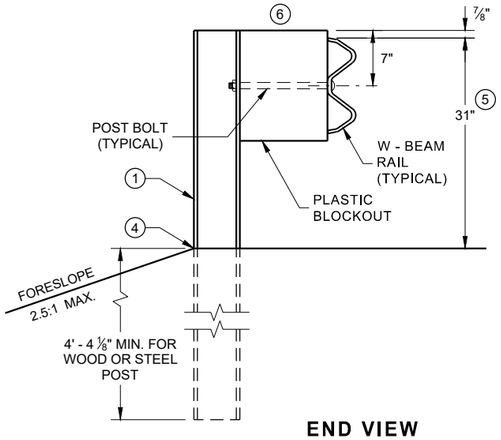
WOOD POST (6" X 8") NOMINAL (1)



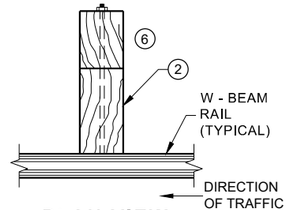
END VIEW
LOCATED ALONG A CURBED ROADWAY



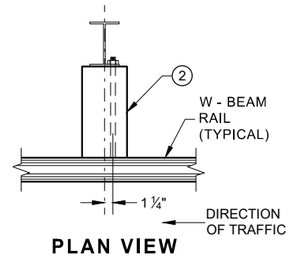
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



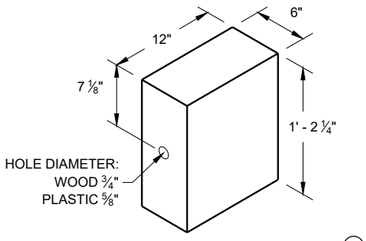
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



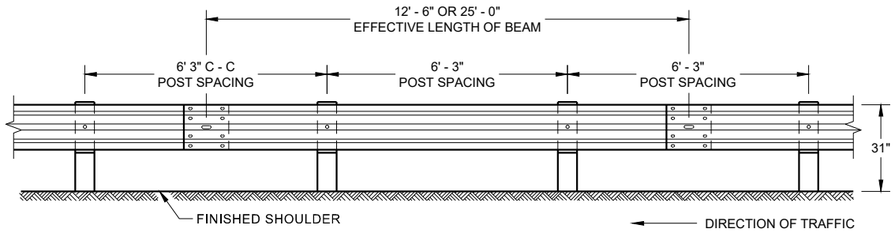
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

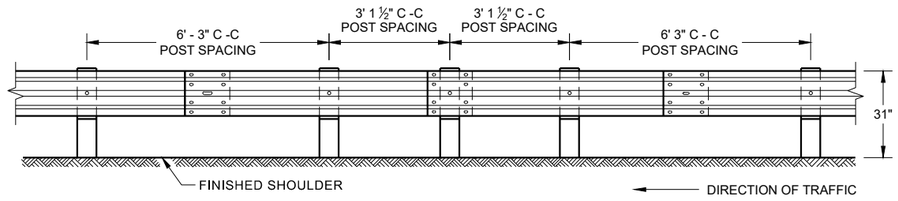
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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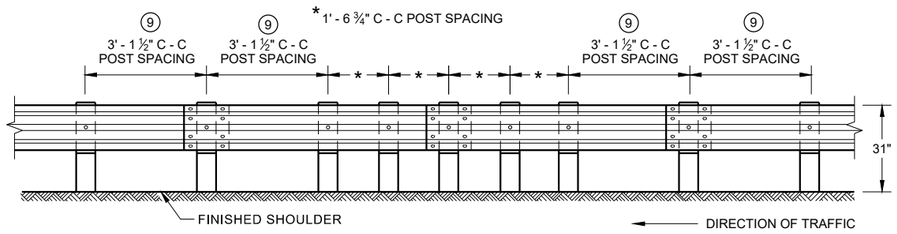
SDD 14B42 - 07a
SDD 14B42 - 07a



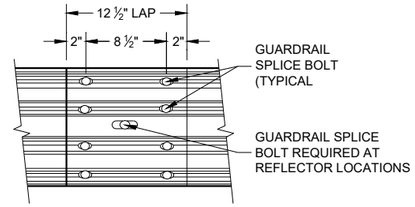
FRONT VIEW
POST SPACING STANDARD INSTALLATION



FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

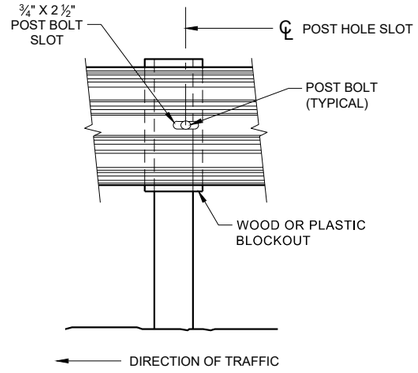
GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

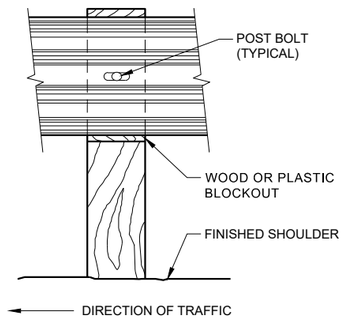
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

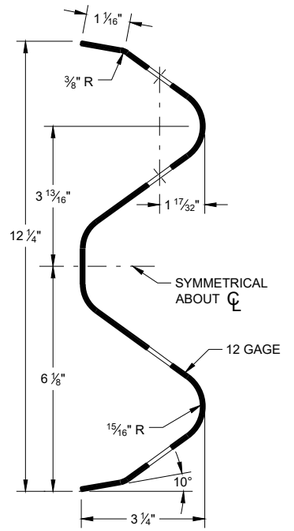
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



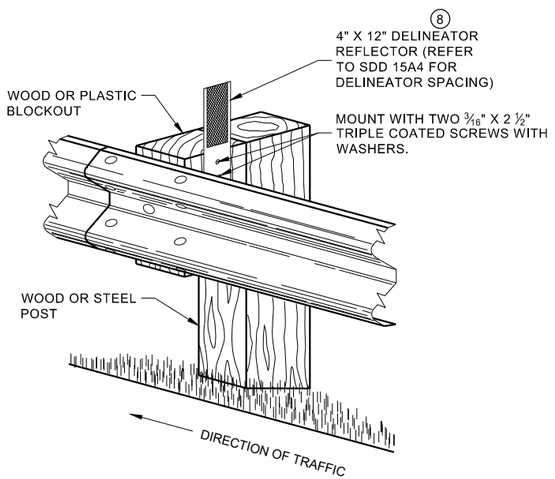
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



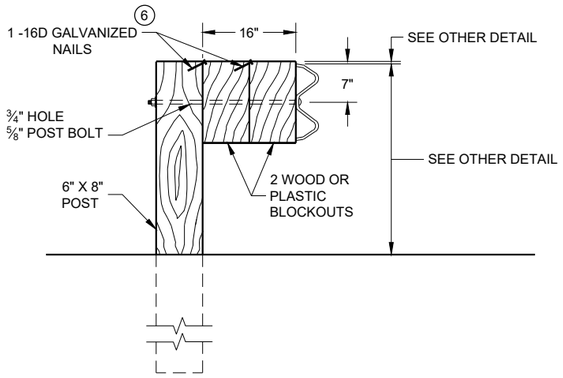
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

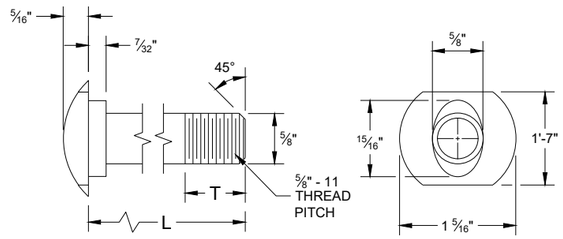


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

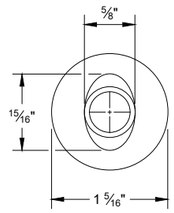
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

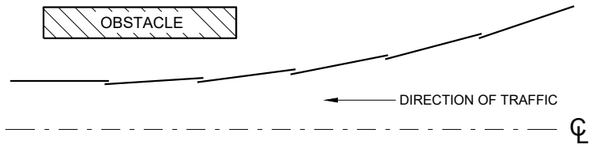


POST BOLT TABLE

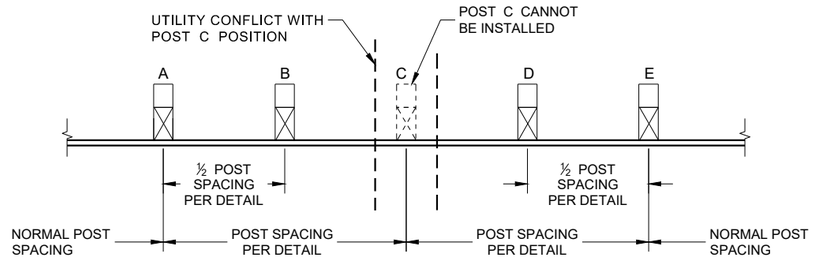
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



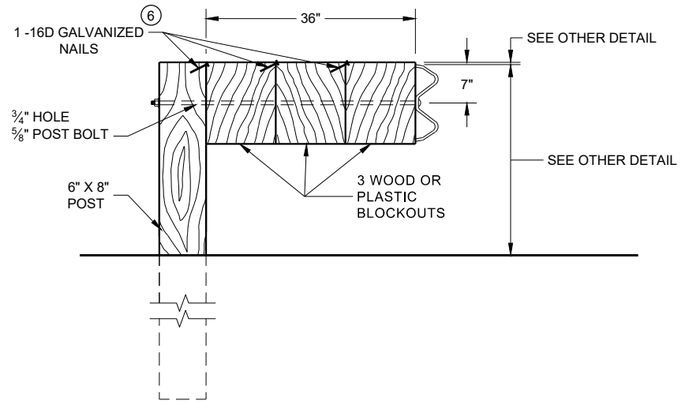
ALTERNATE BOLT HEAD



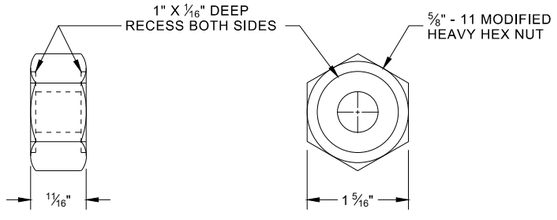
PLAN VIEW
BEAM LAPPING DETAIL



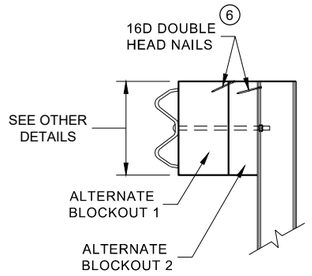
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



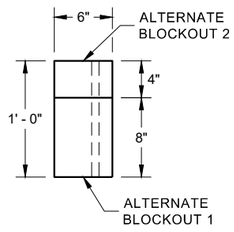
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

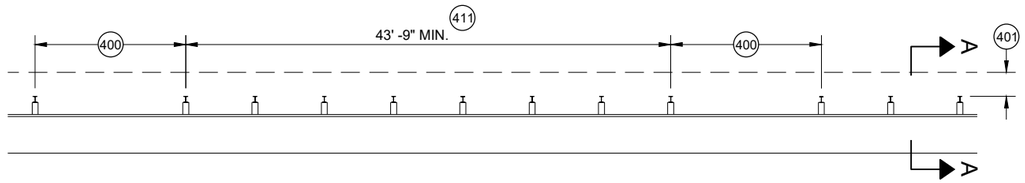
(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

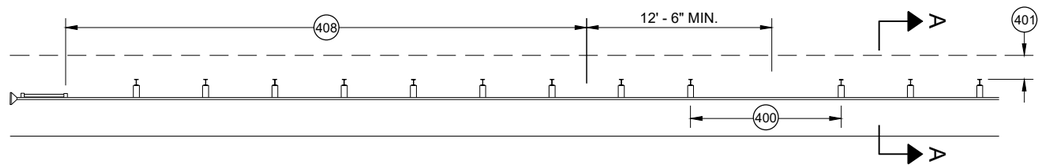
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 691

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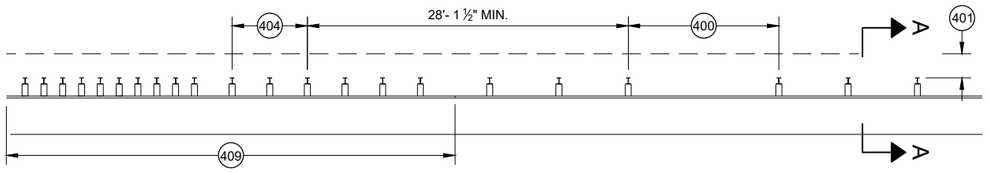
SDD 14B42 - 07c



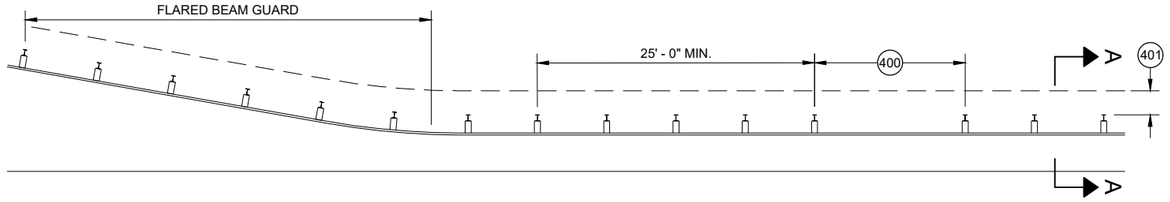
MISSING POST IN MGS GUARDRAIL



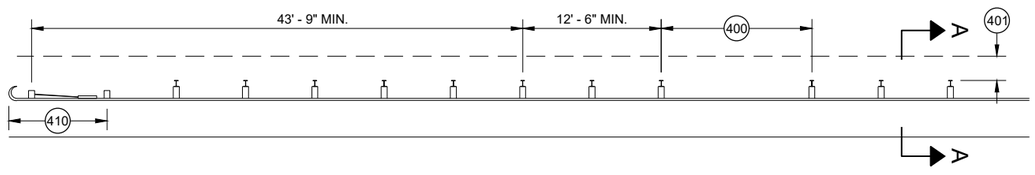
MISSING POST IN MGS GUARDRAIL NEAR EAT



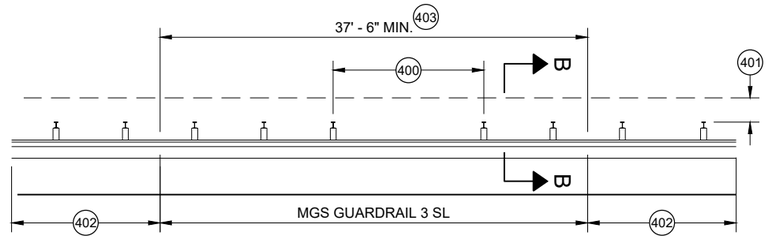
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

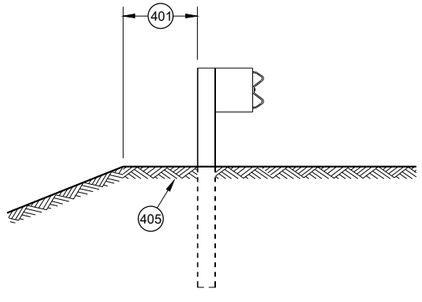


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

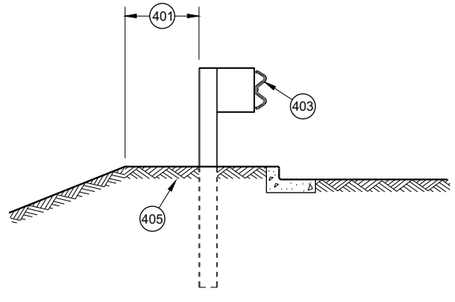


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

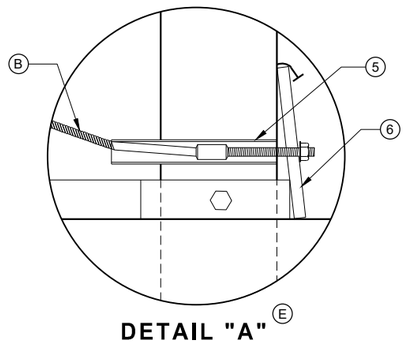
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

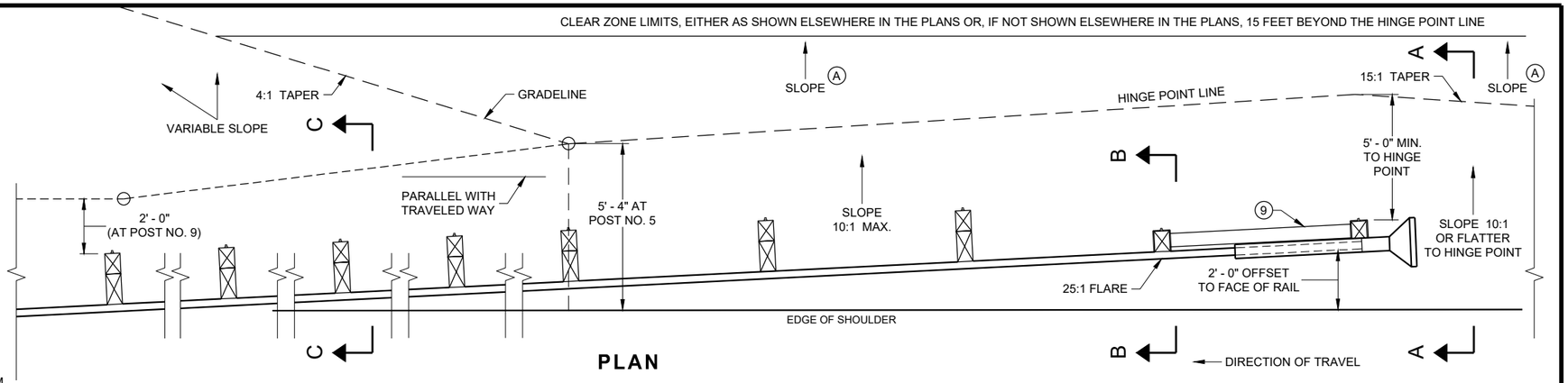
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

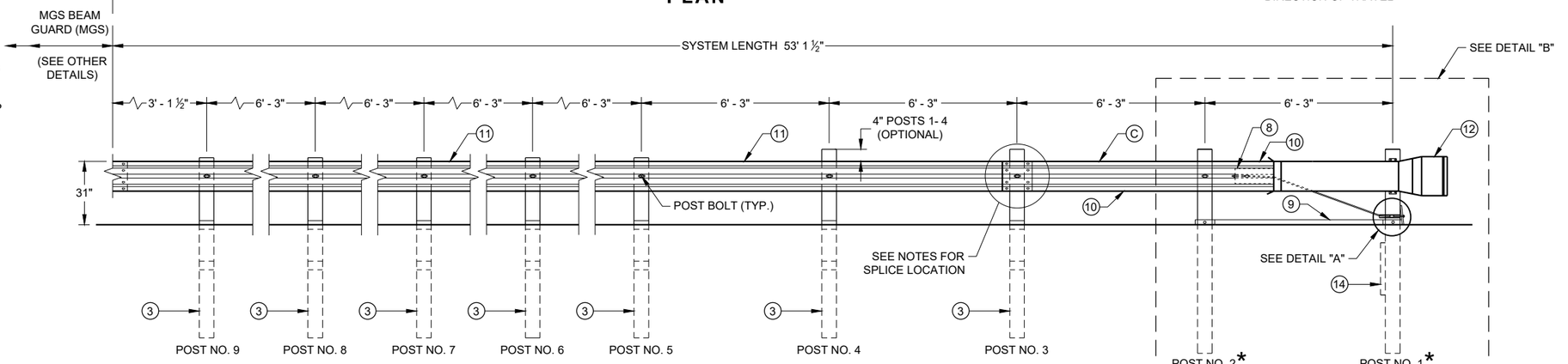
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

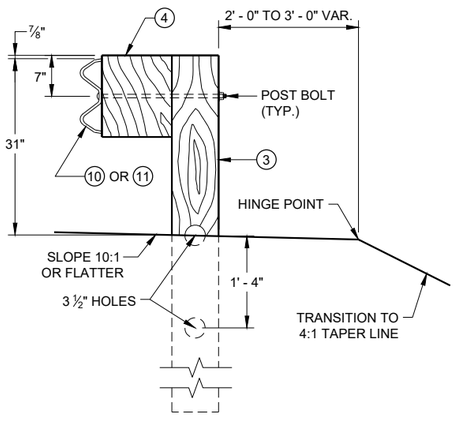
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



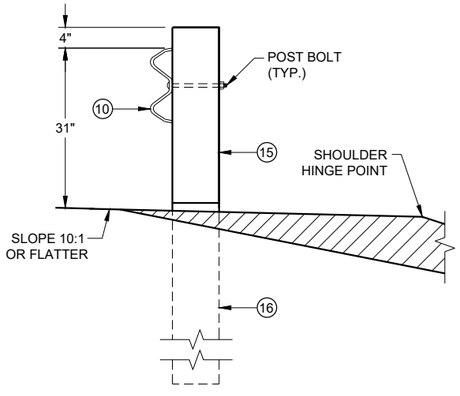
DETAIL "A" (E)



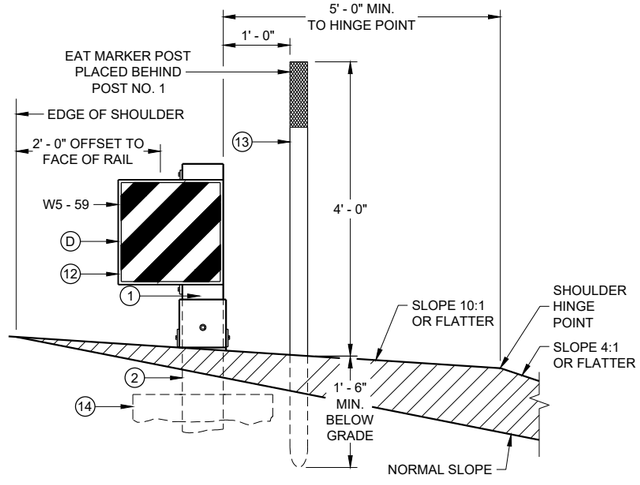




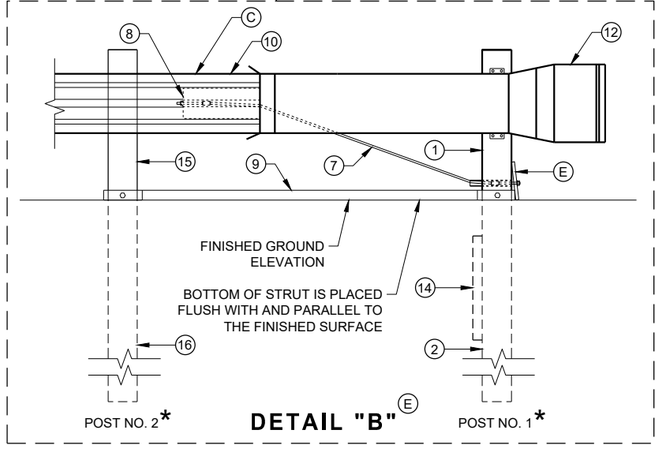
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

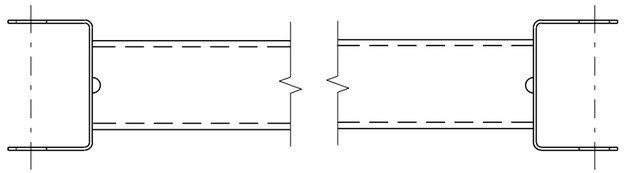
693

SDD 14B44 - 04a

SDD 14B44 - 04a

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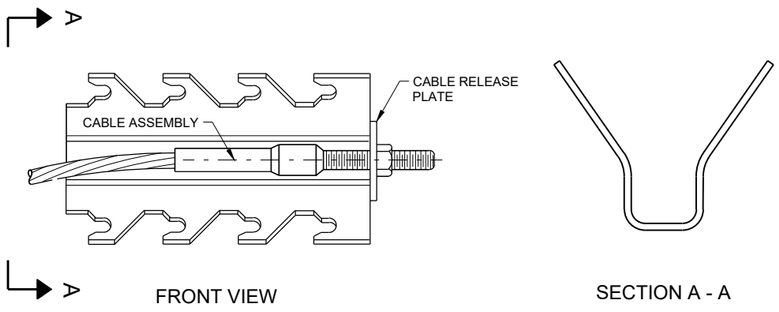
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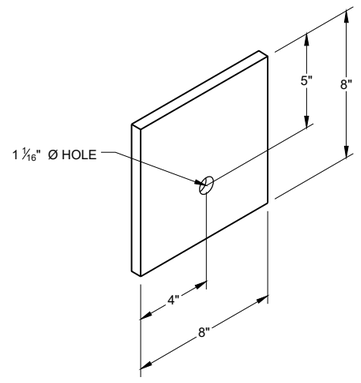
GENERIC GROUND STRUT (9) (E)

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
(1)	UPPER POST NO. 1 6" X 6" TUBE
(2)	LOWER POST NO. 1
(3)	WOOD CRT
(4)	WOOD BLOCKOUT
(5)	PIPE SLEEVE
(6)	BEARING PLATE
(7)	BCT CABLE ASSEMBLY
(8)	ANCHOR CABLE BOX
(9)	GROUND STRUT
(10)	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
(12)	IMPACT HEAD
(13)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
(14)	SOIL PLATE
(15)	UPPER POST NO. 2
(16)	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX (9) (E)



BEARING PLATE (6) (E)

6

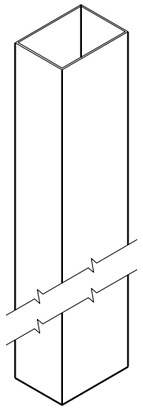
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SDD 14B44 - 04b

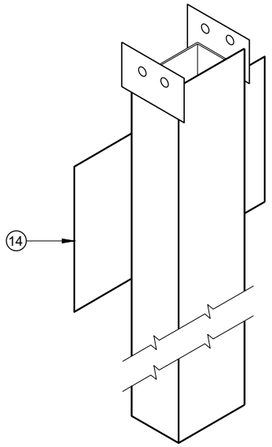
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

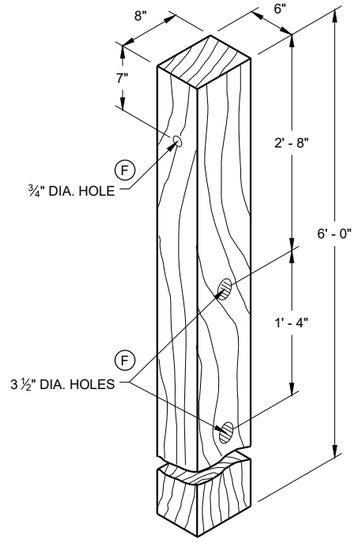
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



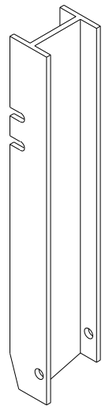
UPPER POST NO. 1 (1) (E)



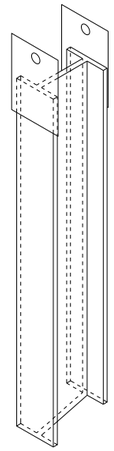
LOWER POST NO. 1 (2) (E)



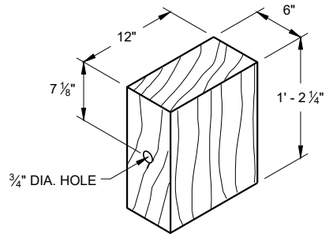
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



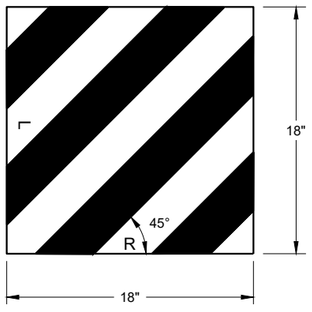
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

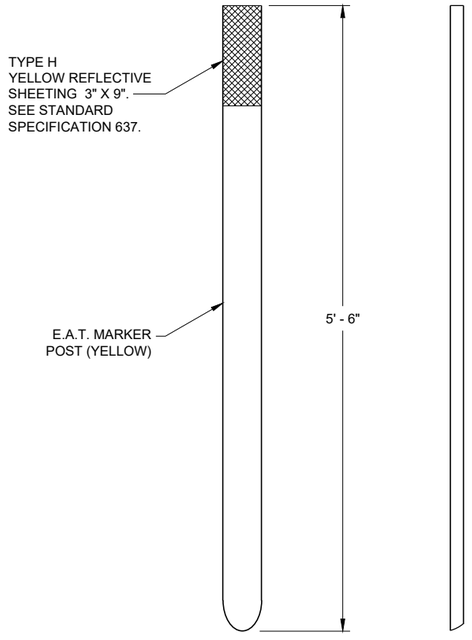


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



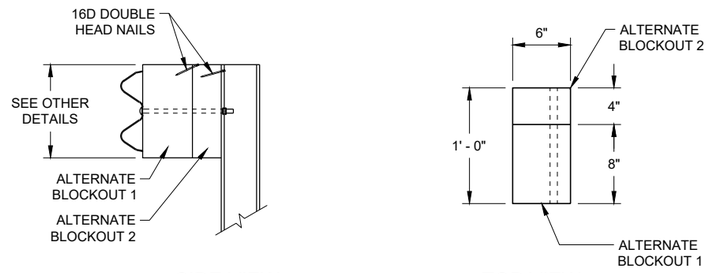
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

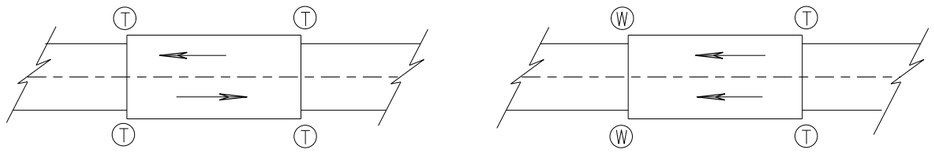
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

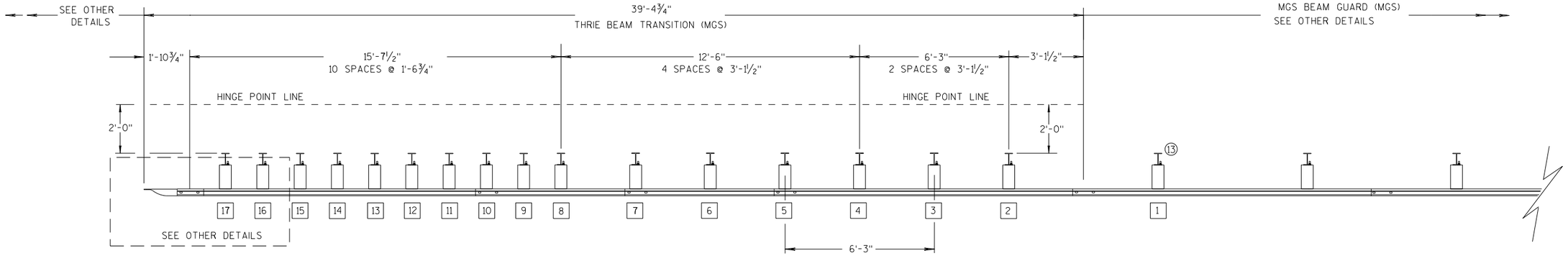
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

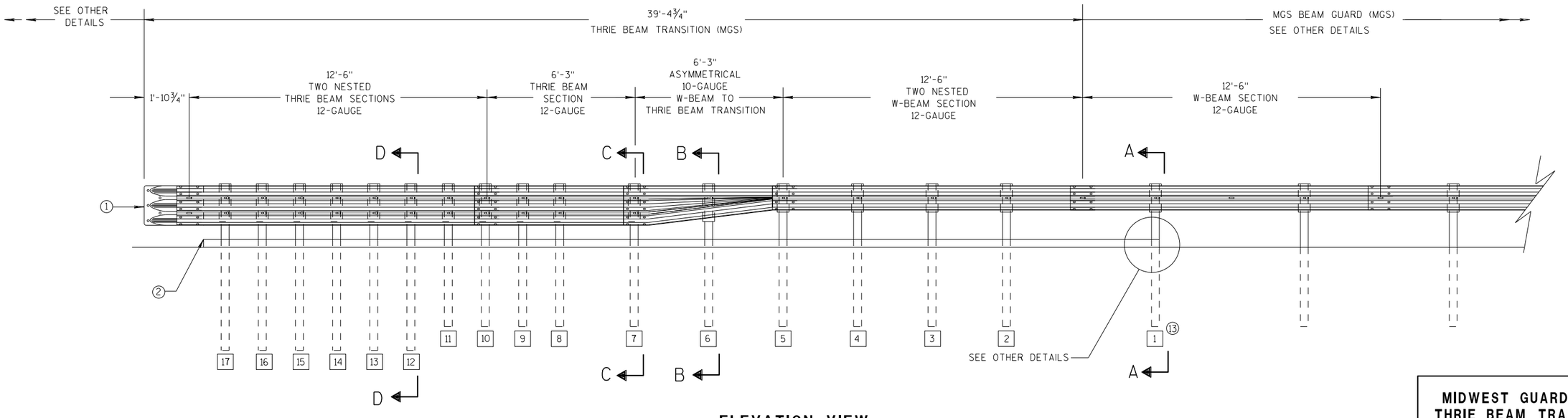
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF 696

6

S.D.D. 14 B 45-5a

6

S.D.D. 14 B 45-5a

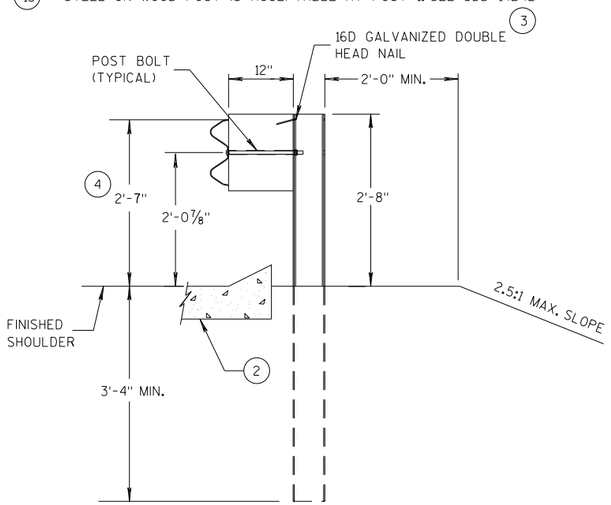
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

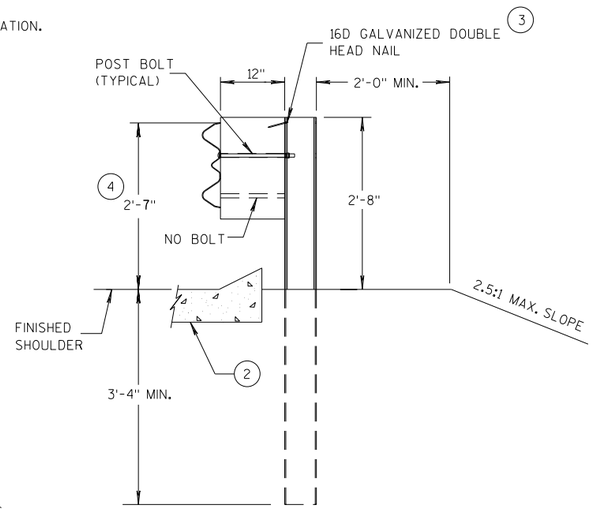
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



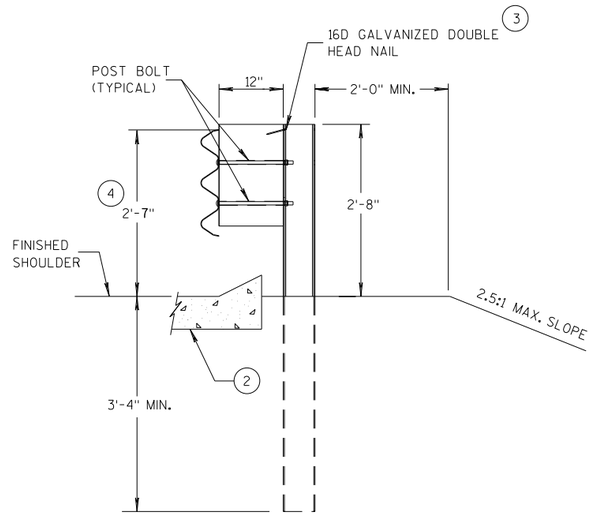
SECTION A-A (13)

POSTS 1-5



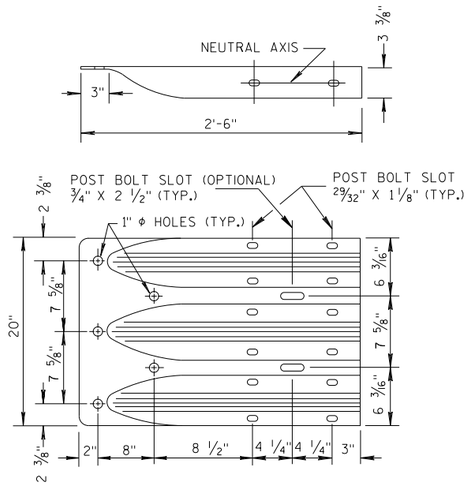
SECTION B-B

POST 6

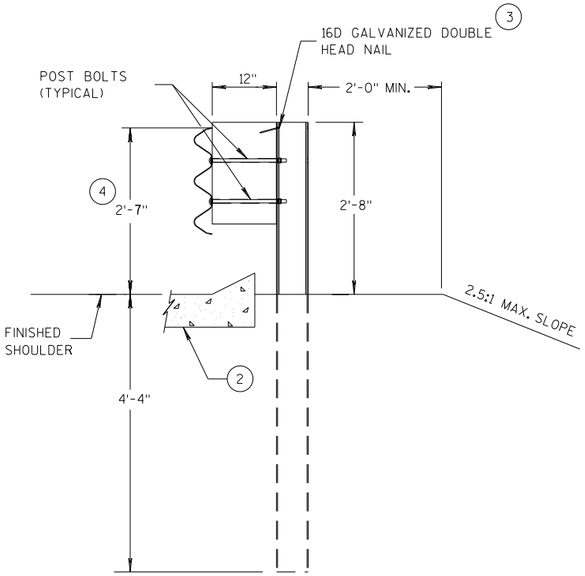


SECTION C-C

POSTS 7-11

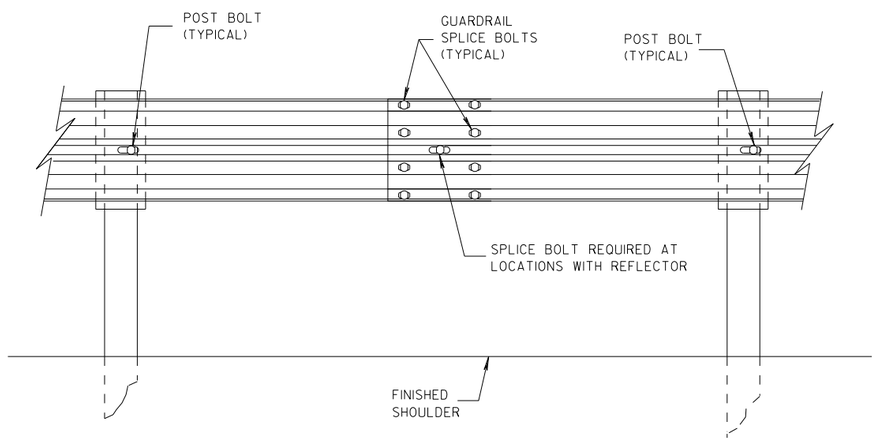


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

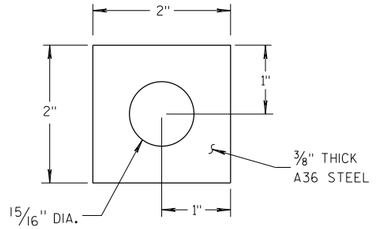
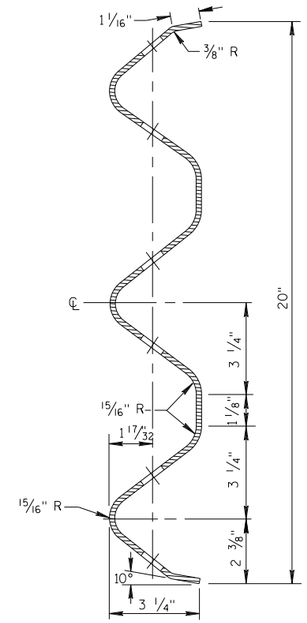


PLATE WASHER DETAIL



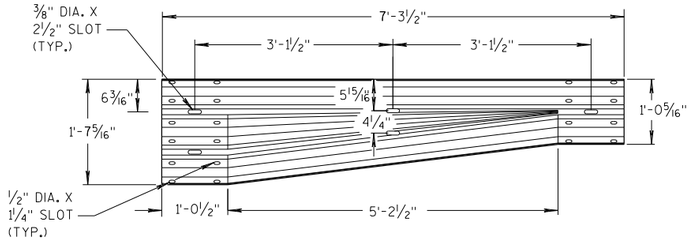
SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

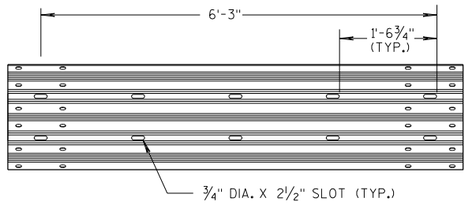
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF

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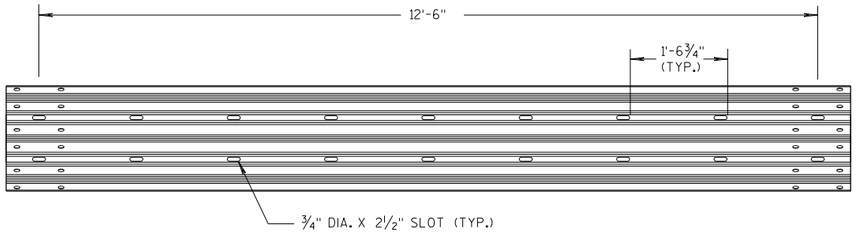
S.D.D. 14 B 45-5b



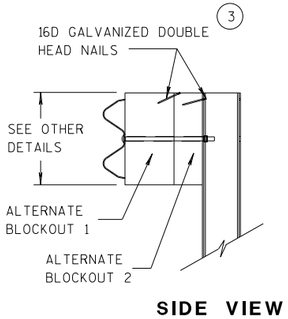
W-BEAM TO THRIE BEAM TRANSITION SECTION



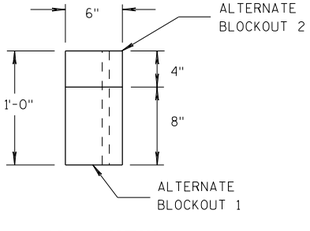
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

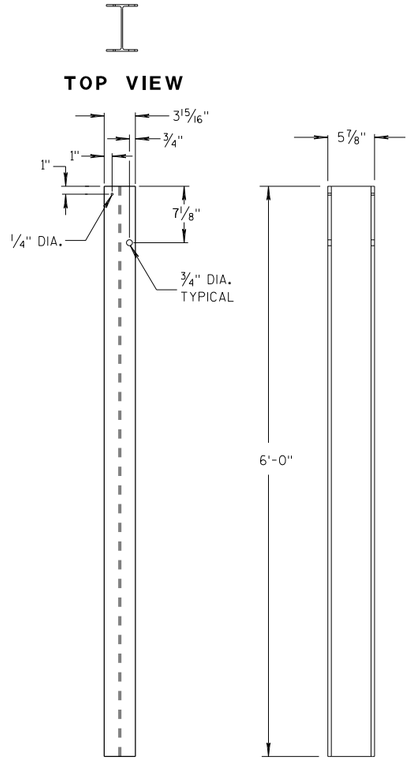


SIDE VIEW



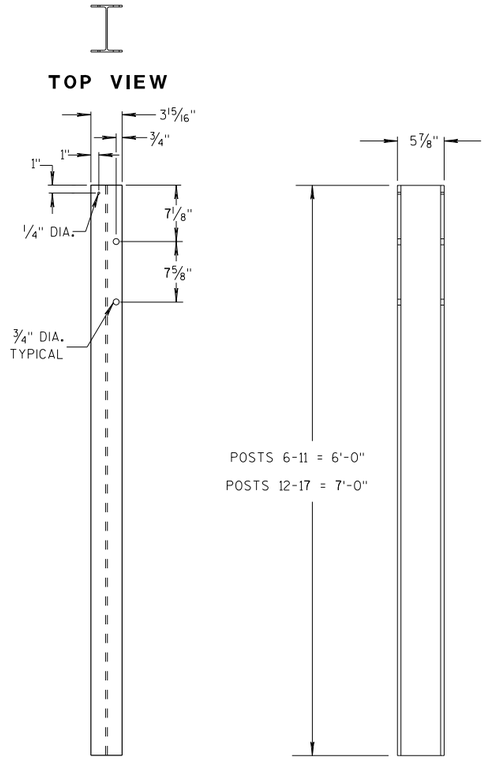
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



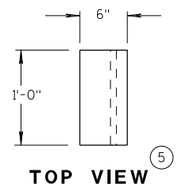
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

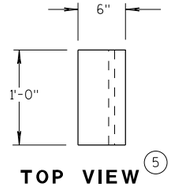


FRONT VIEW SIDE VIEW

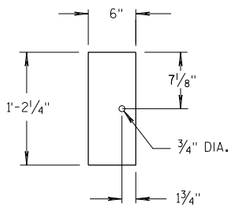
STEEL POSTS 6-17



TOP VIEW (5)

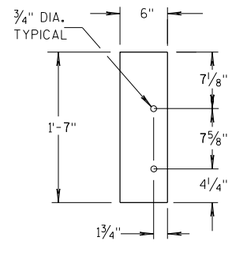


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

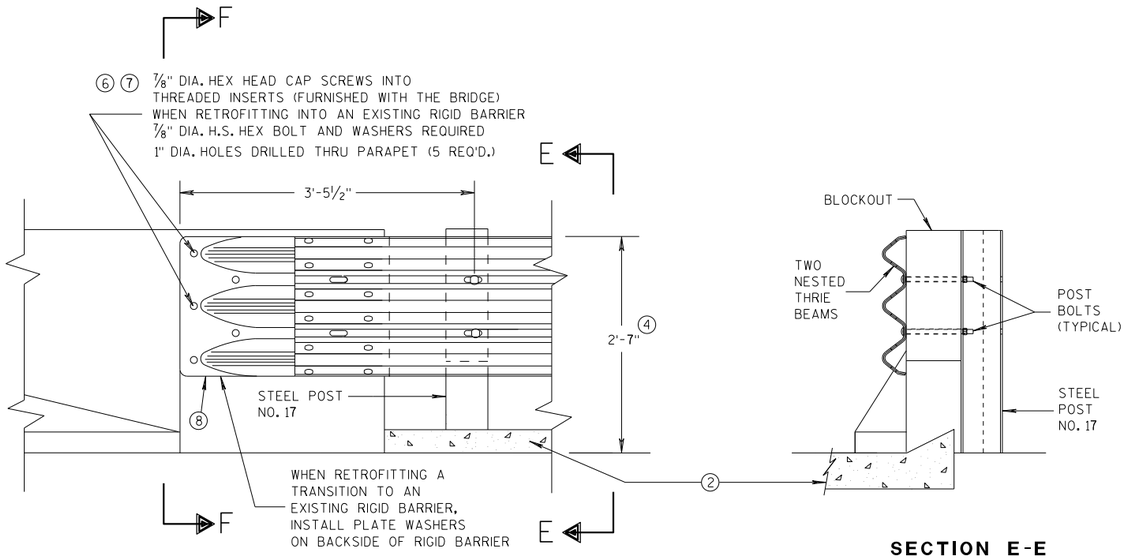
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF 698

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S.D.D. 14 B 45-5c

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S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

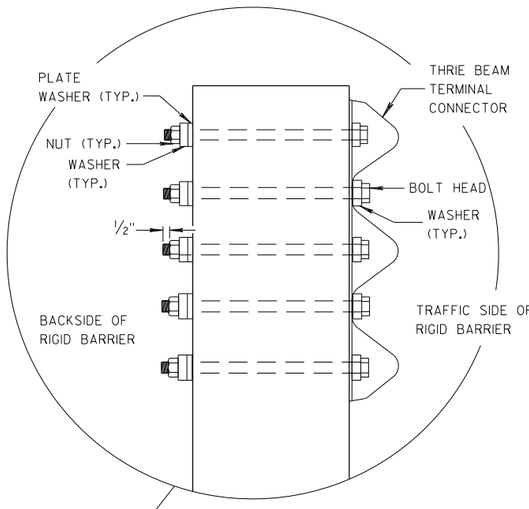
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

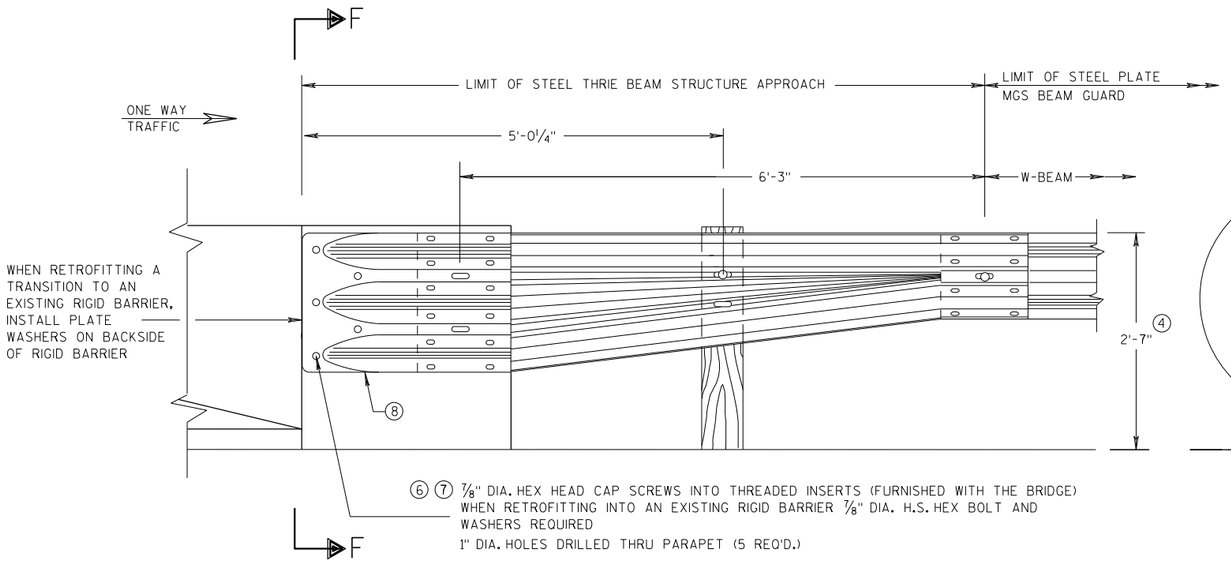
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

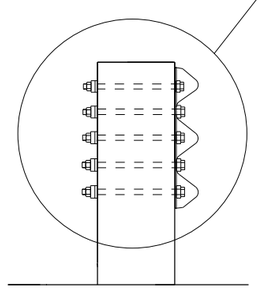
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

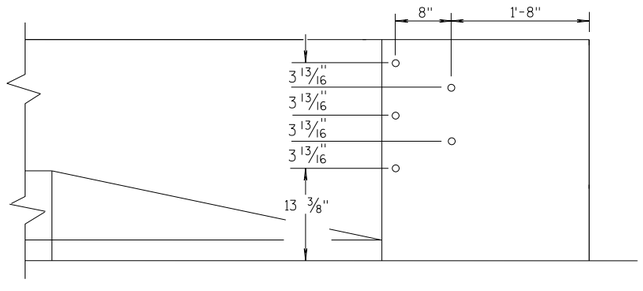




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS D UNIT SUPERVIS NT
FHWA

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S.D.D. 14 B 45-5d

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S.D.D. 14 B 45-5d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

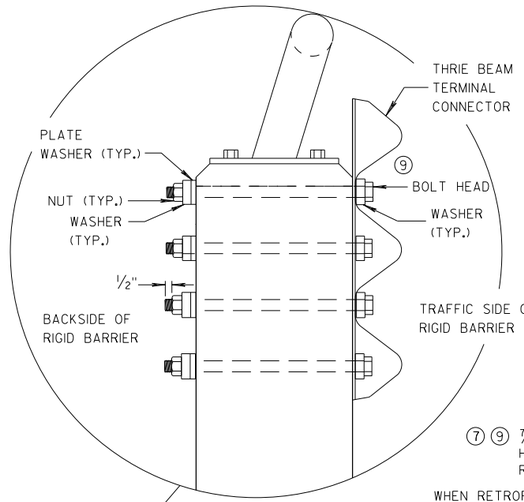
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

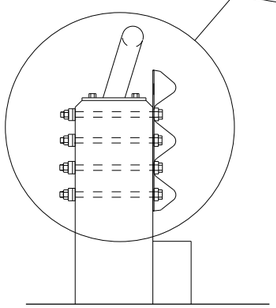
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

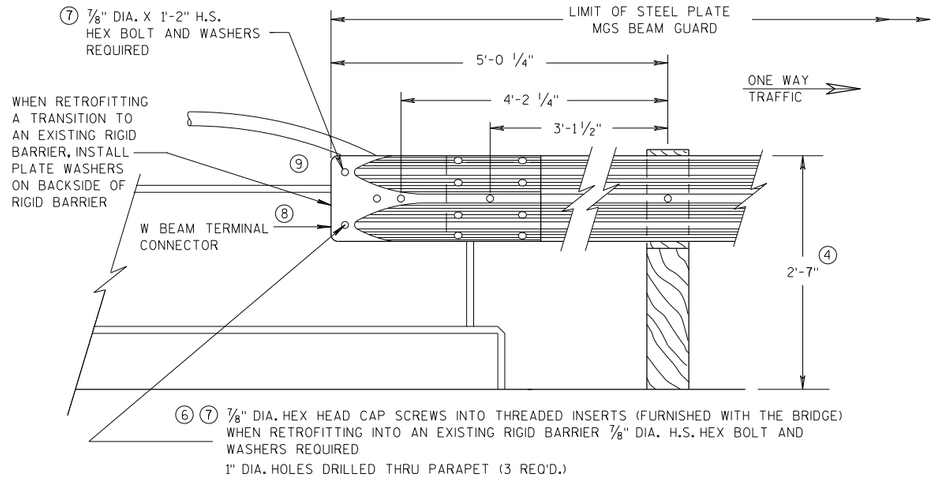
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





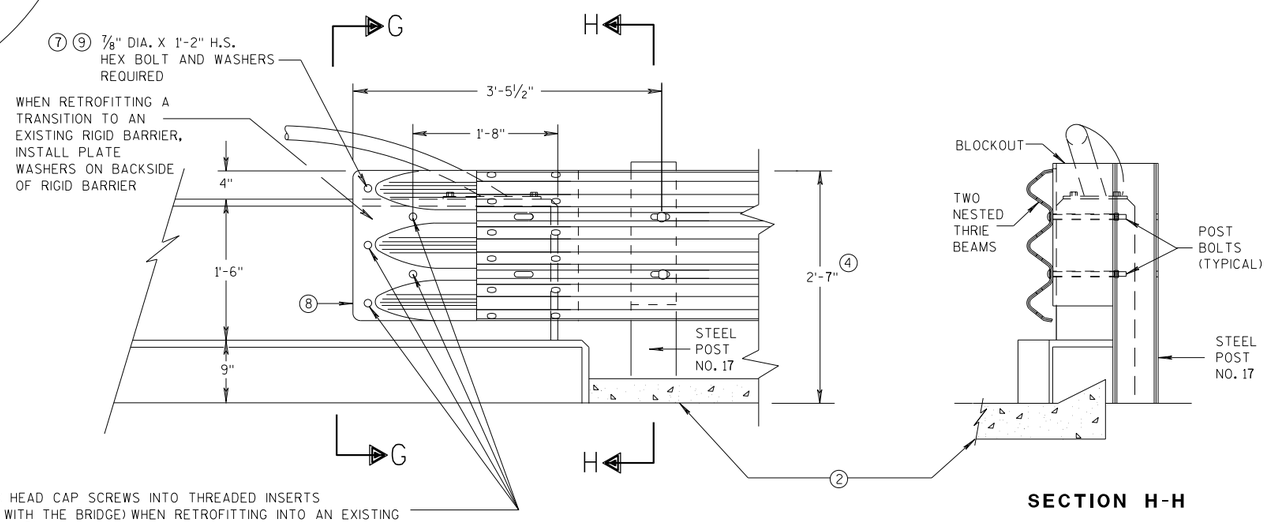
SECTION G-G



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

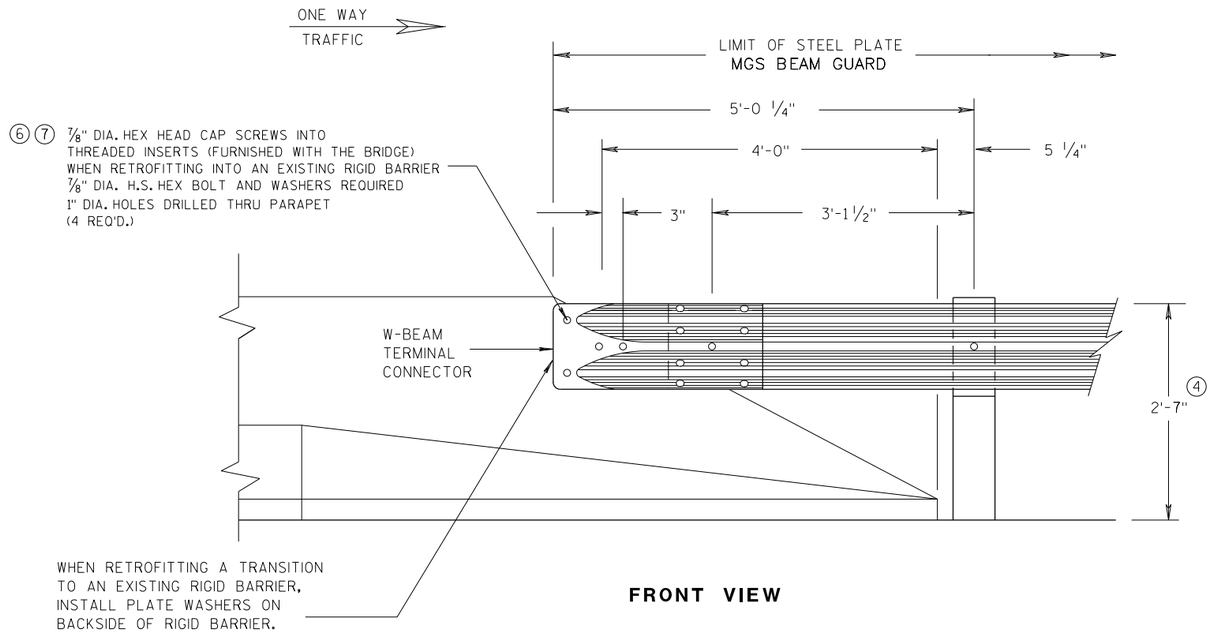
APPROVED
07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVI
700
FHWA

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S.D.D. 14 B 45-5e

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S.D.D. 14 B 45-5e



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

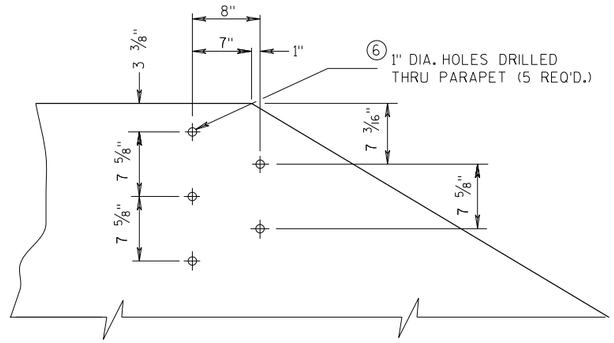
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

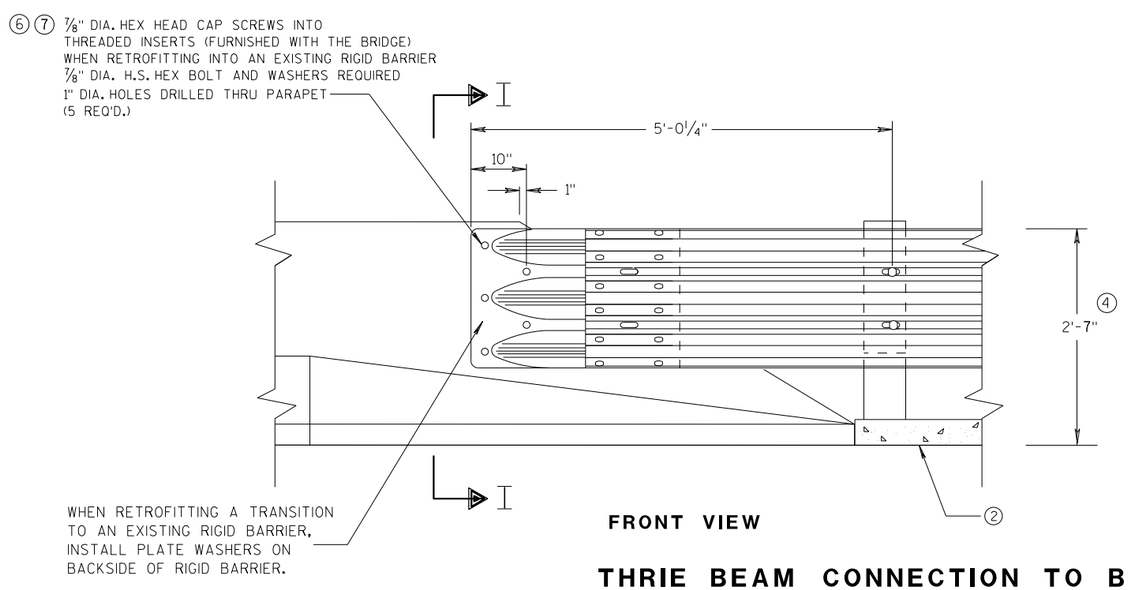
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

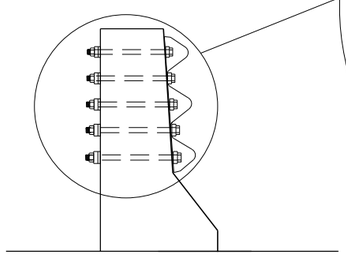
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



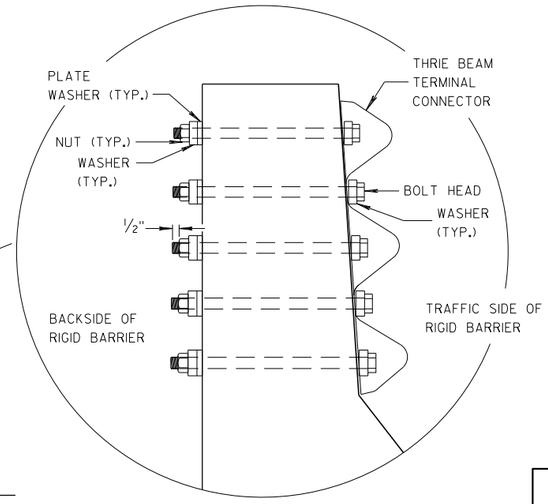
DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

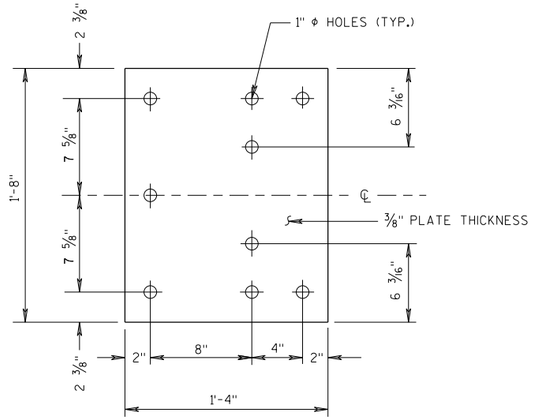
APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS I[illegible]ENT UNIT SUPERVI
FHWA

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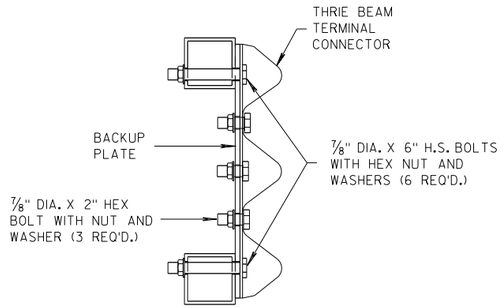
S.D.D. 14 B 45-5f

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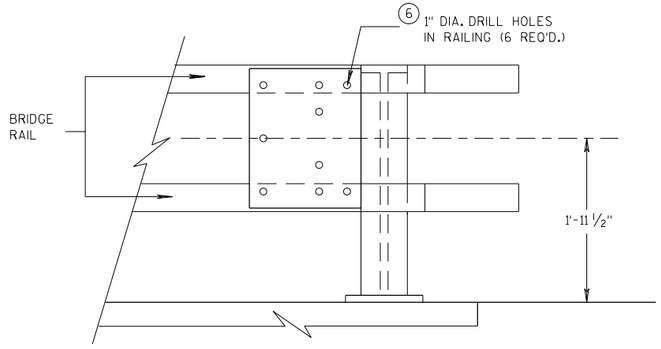
S.D.D. 14 B 45-5f



BACK-UP PLATE DETAIL



SECTION J-J

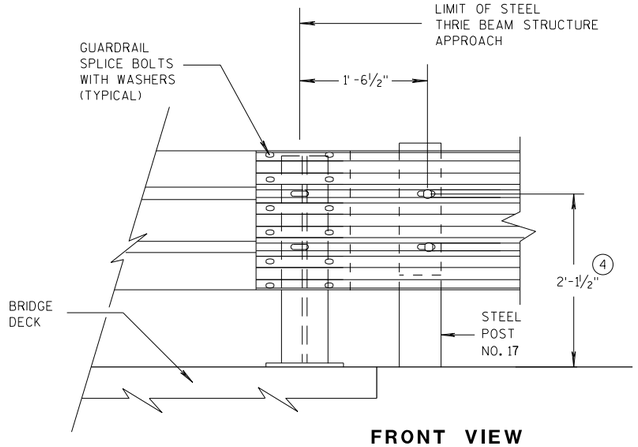


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

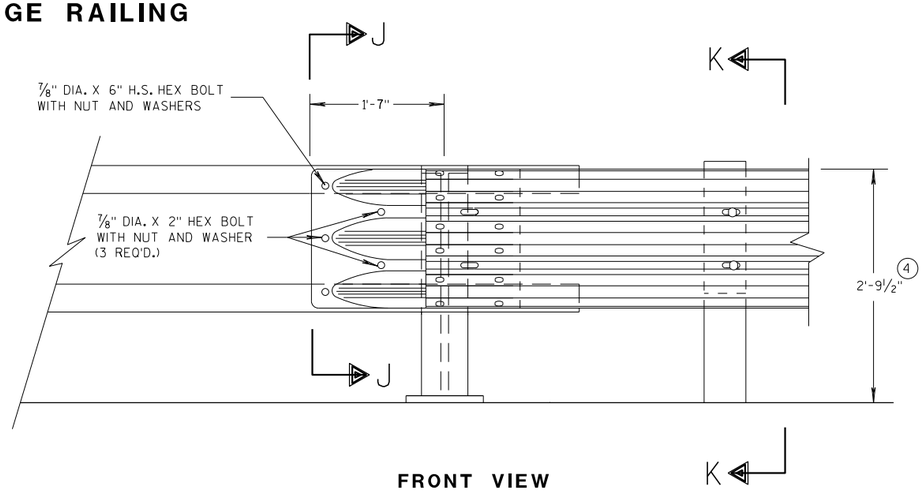
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

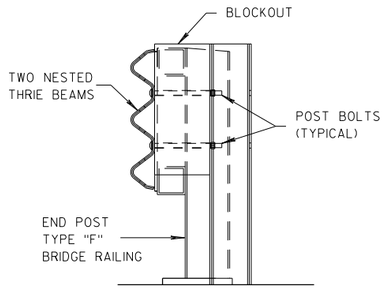


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 07/2018 — DATE
FHWA

/S/ Rodney Taylor 702
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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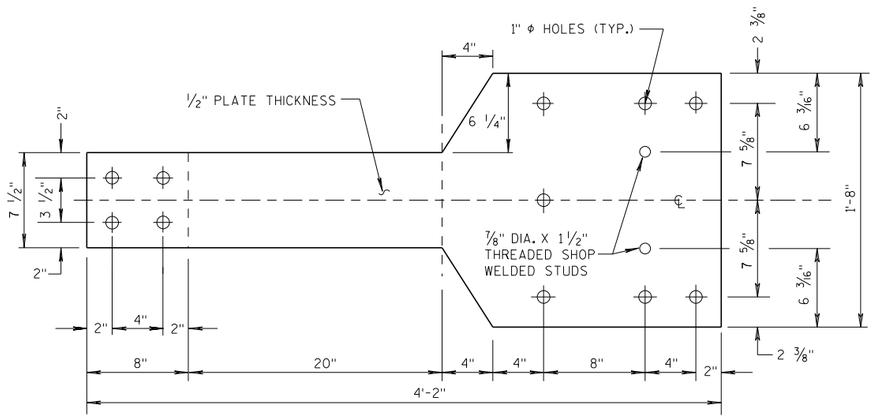
S.D.D. 14 B 45-5g

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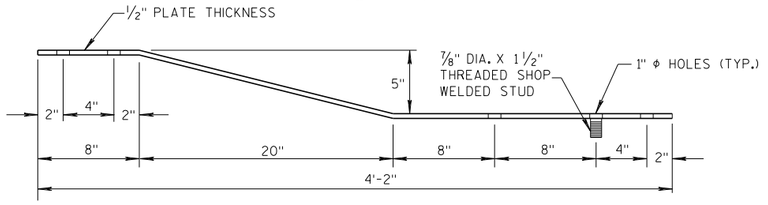
S.D.D. 14 B 45-5g

GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

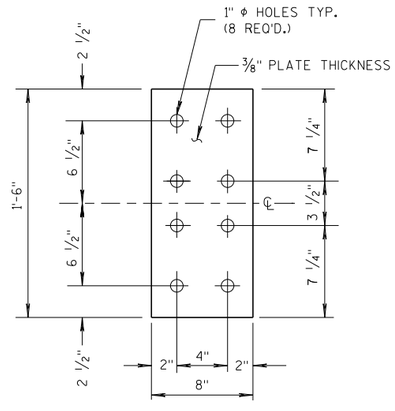


FRONT VIEW



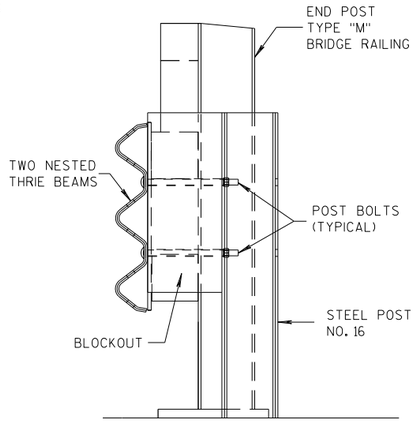
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

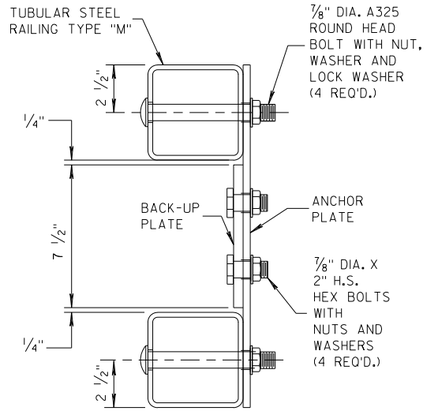


FRONT VIEW

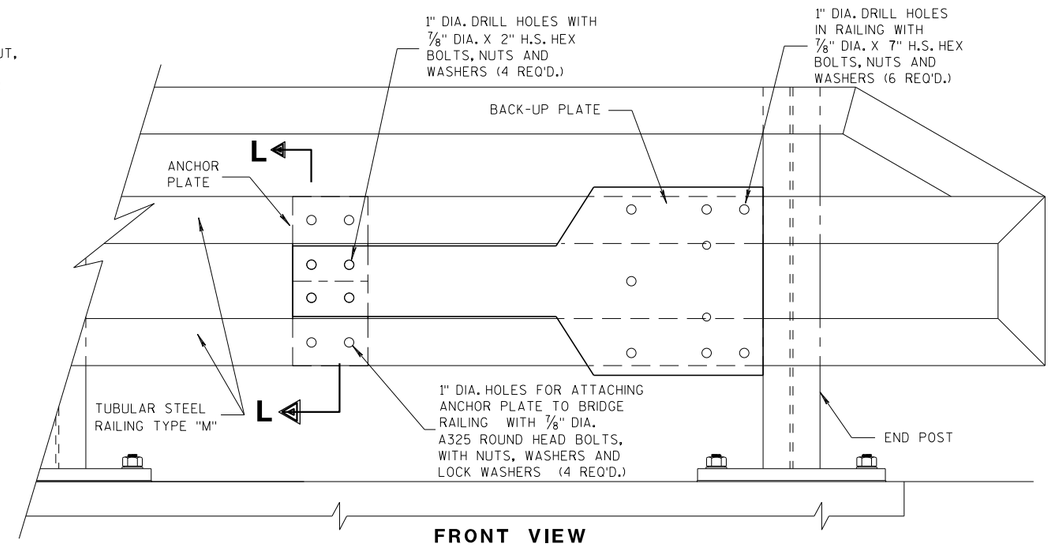
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

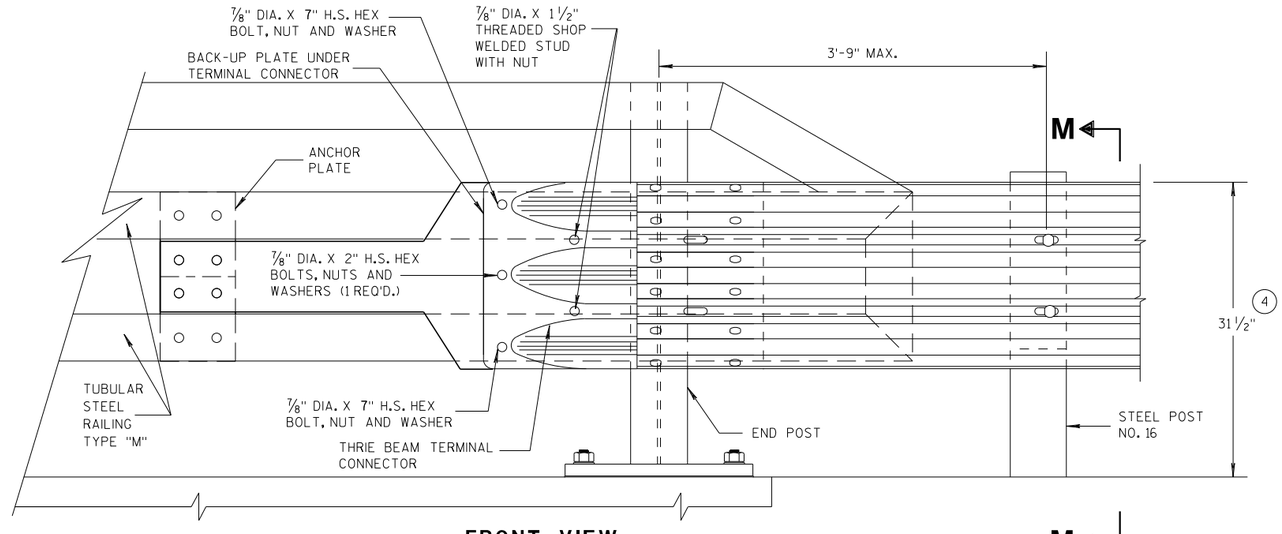


SECTION L-L

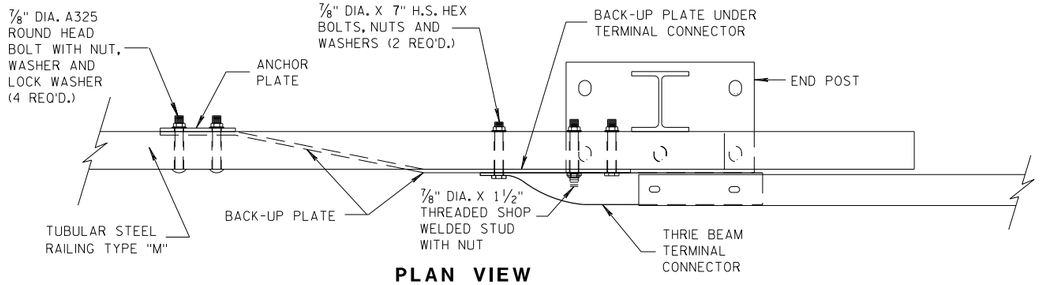


FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6

S.D.D. 14 B 45-5h

6

S.D.D. 14 B 45-5h

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

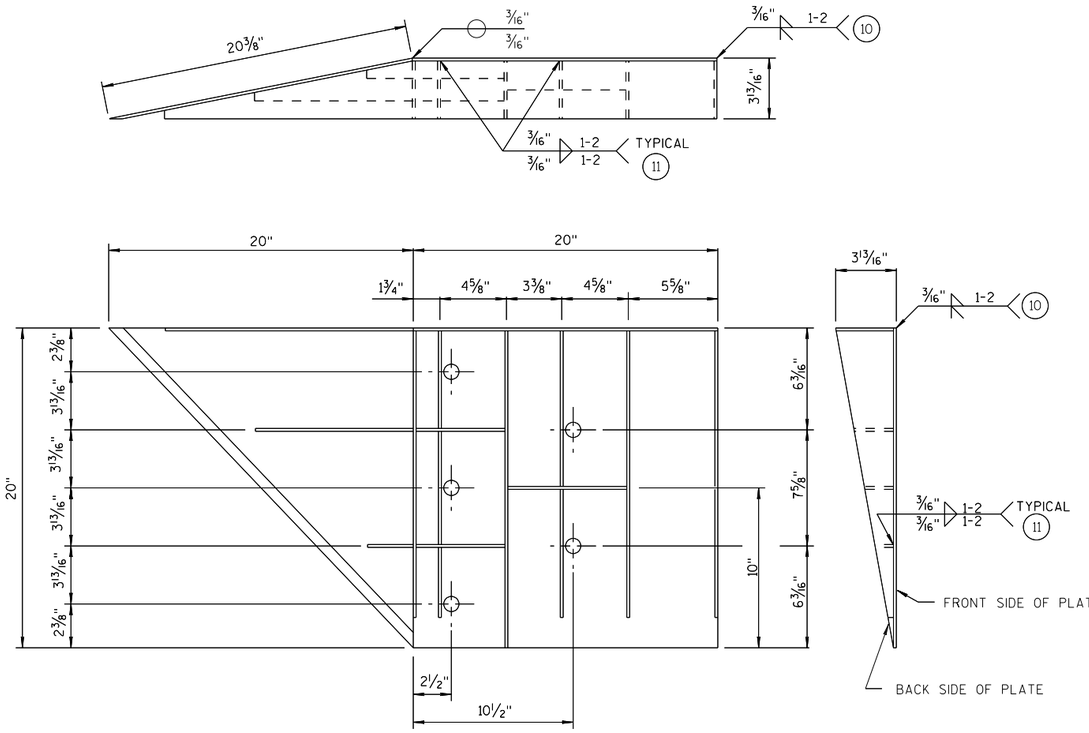
FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".



WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

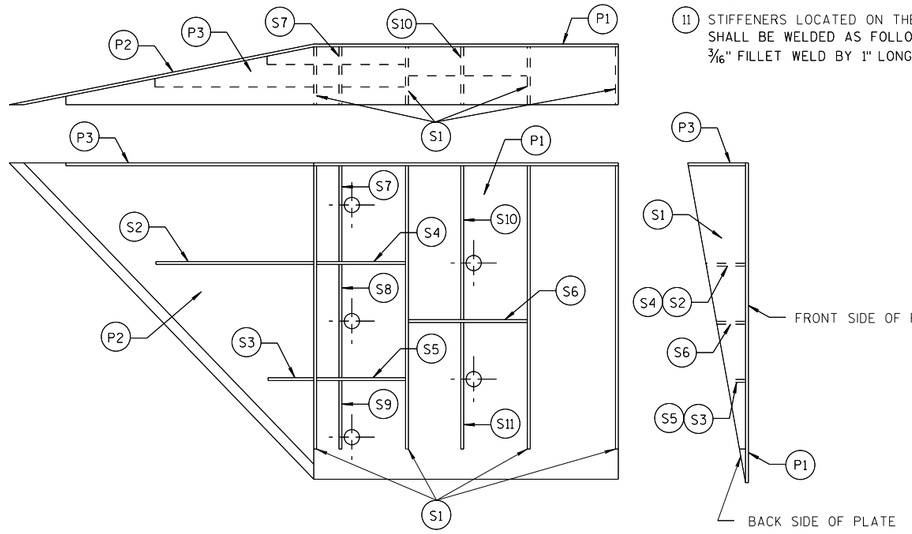


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

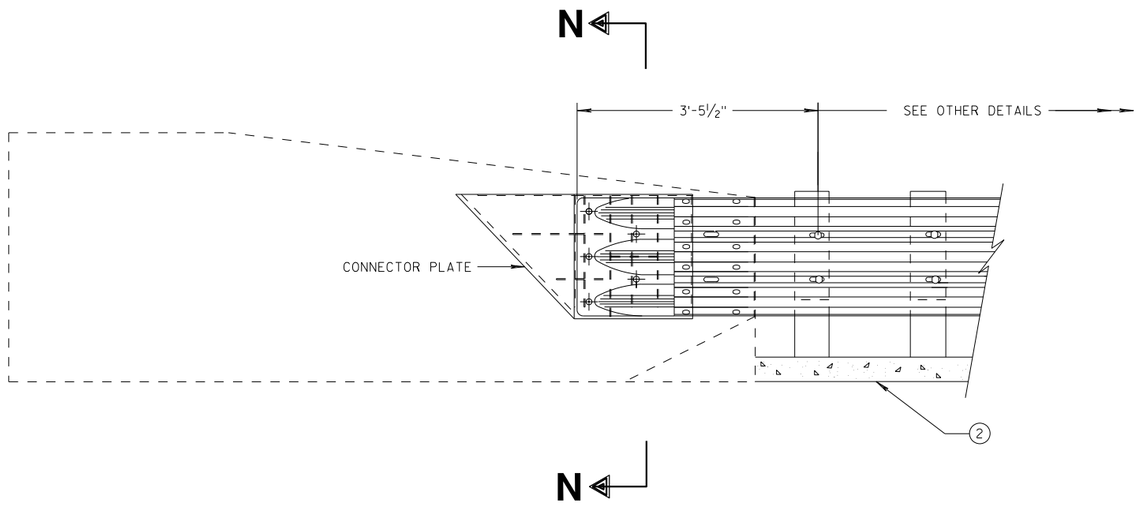
MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

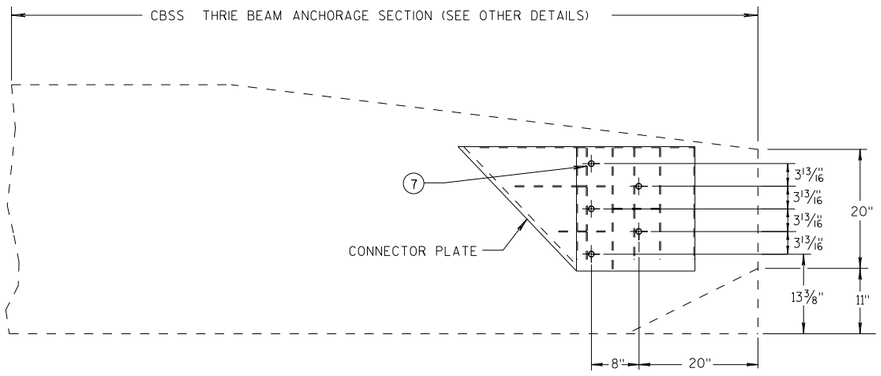
APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

6
S.D.D. 14 B 45-5i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



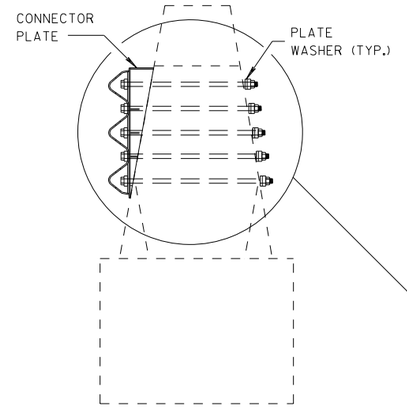
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

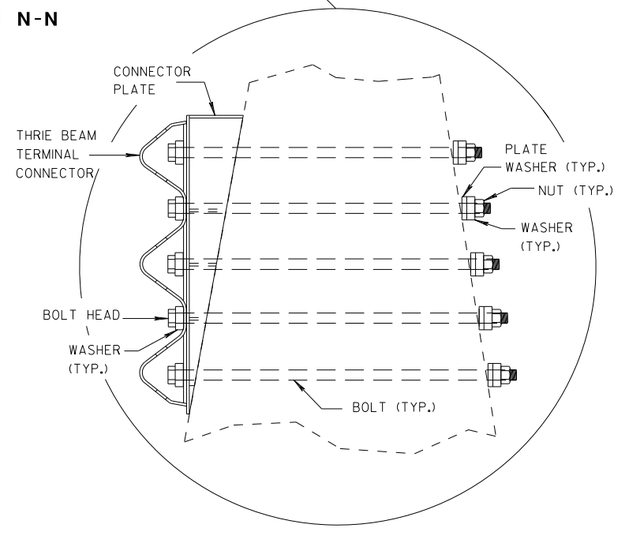
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

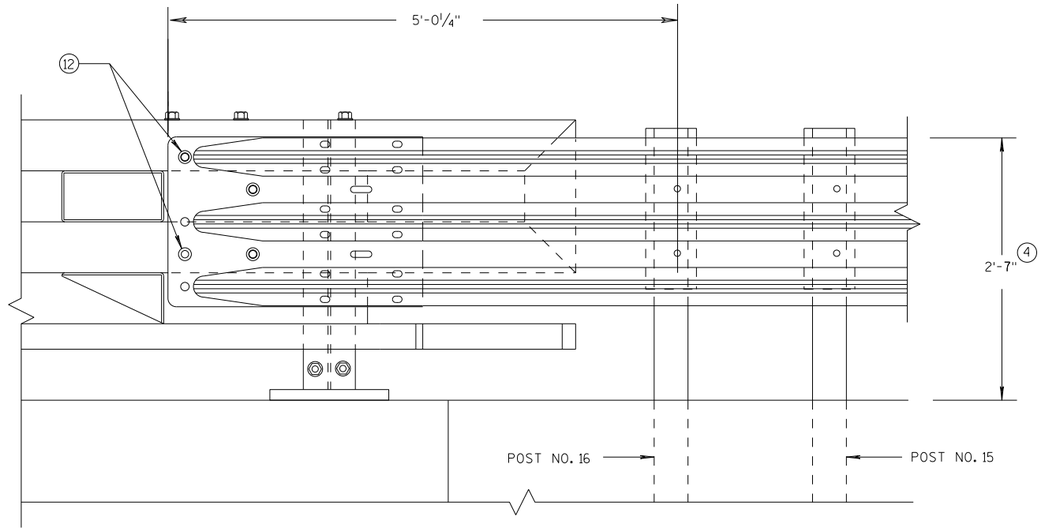
APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DI UNIT SUPERVIS NT
FHWA

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S.D.D. 14 B 45-5j

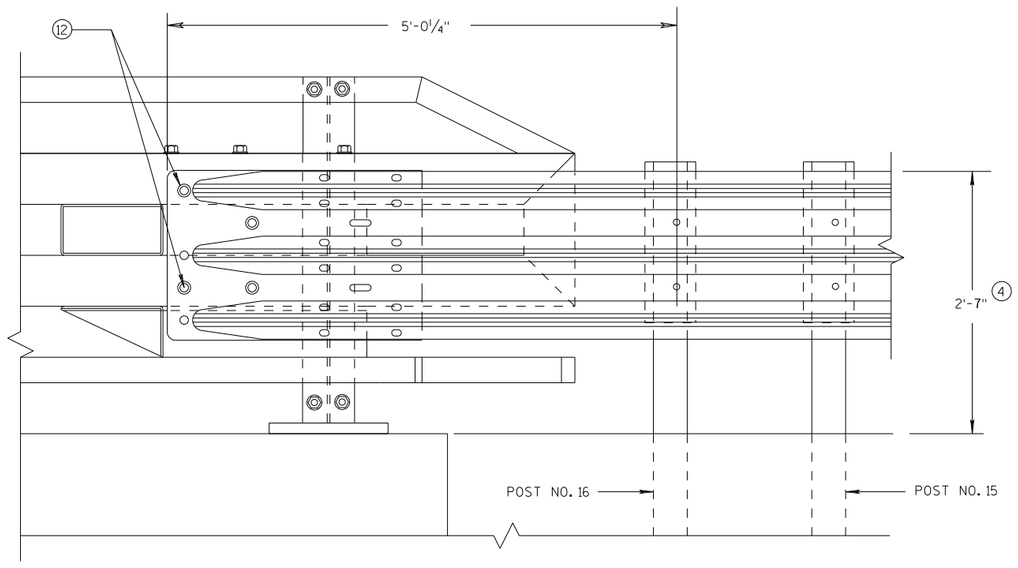
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S.D.D. 14 B 45-5j



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

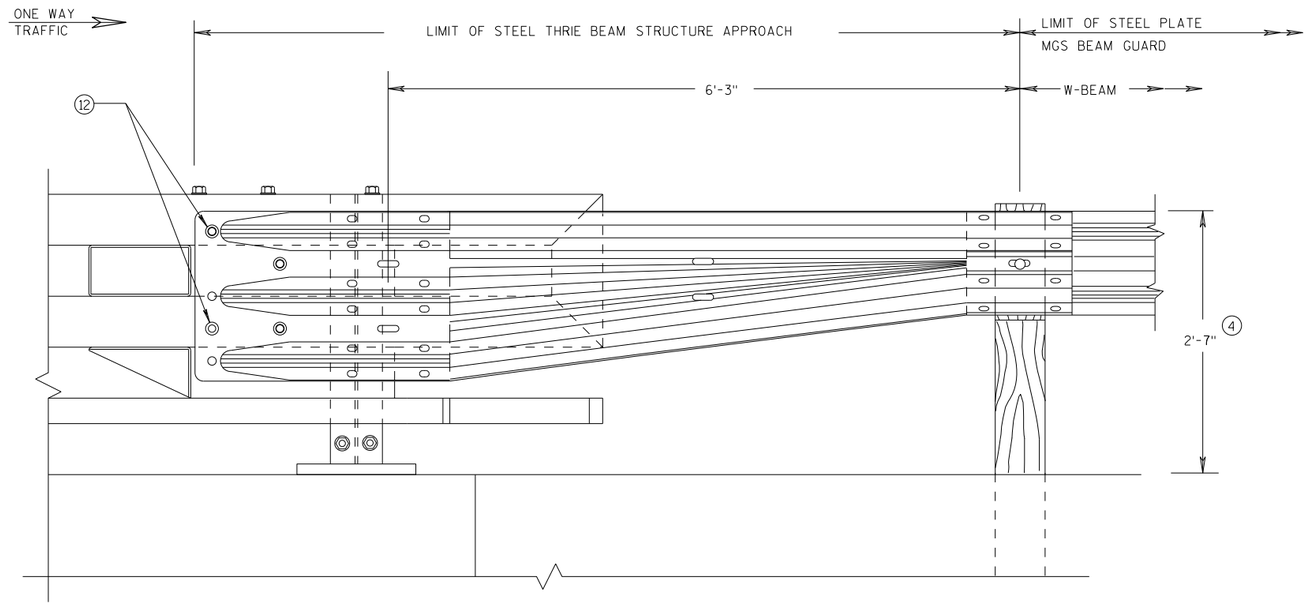
/S/ Rodney Taylor
ROADWAY STANDARDS D 706 NT
UNIT SUPERVIS

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S.D.D. 14 B 45-5k

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S.D.D. 14 B 45-5k



FRONT VIEW

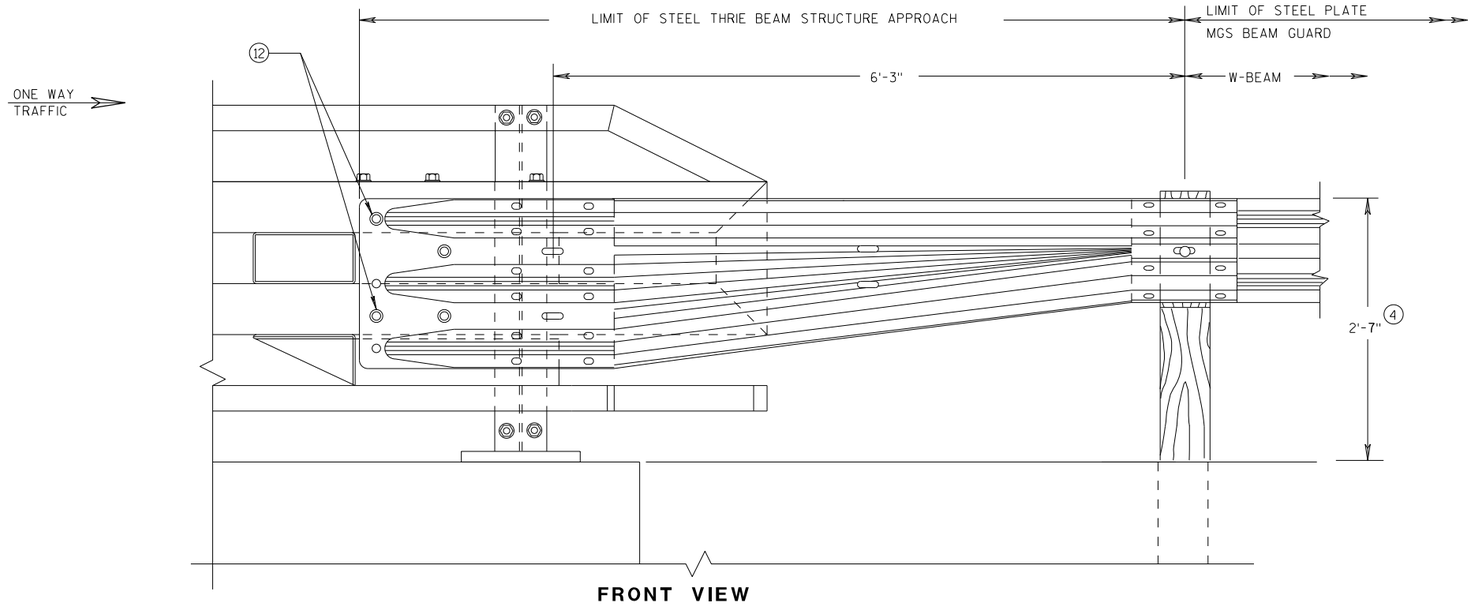
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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APPROVED
7/2018
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ROADWAY STANDARDS D
UNIT SUPERVIS

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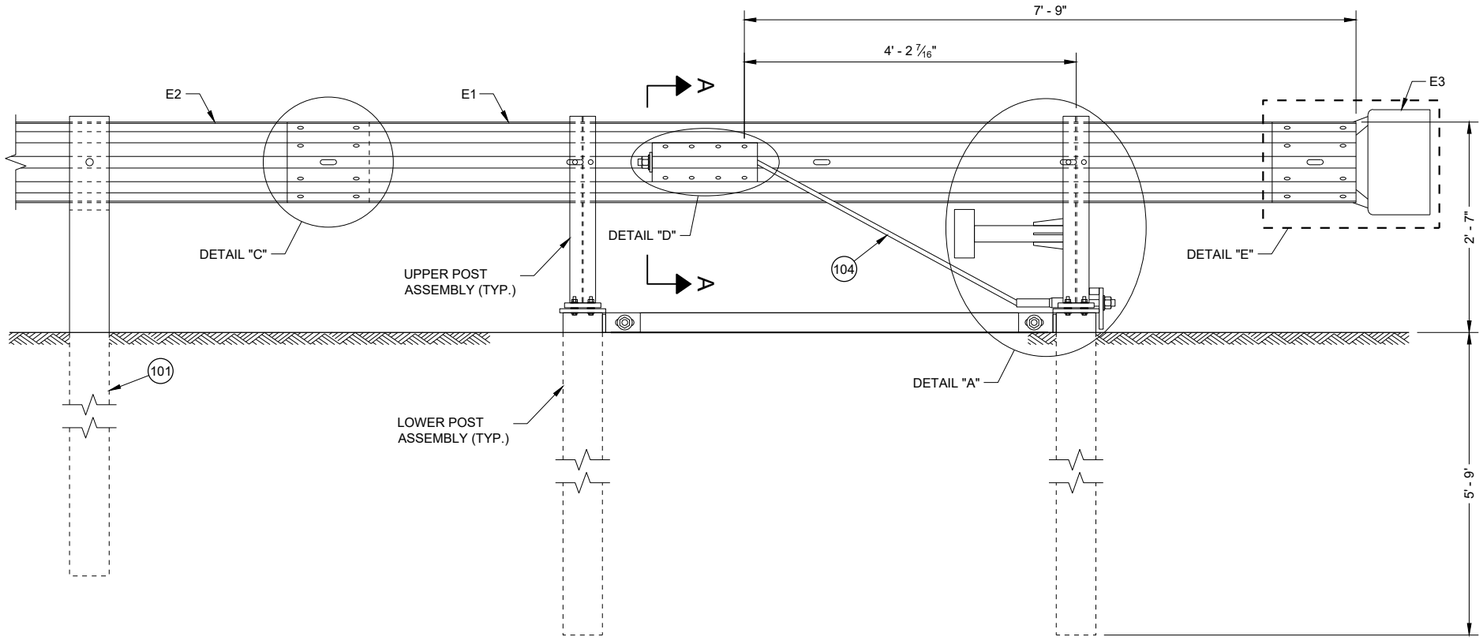
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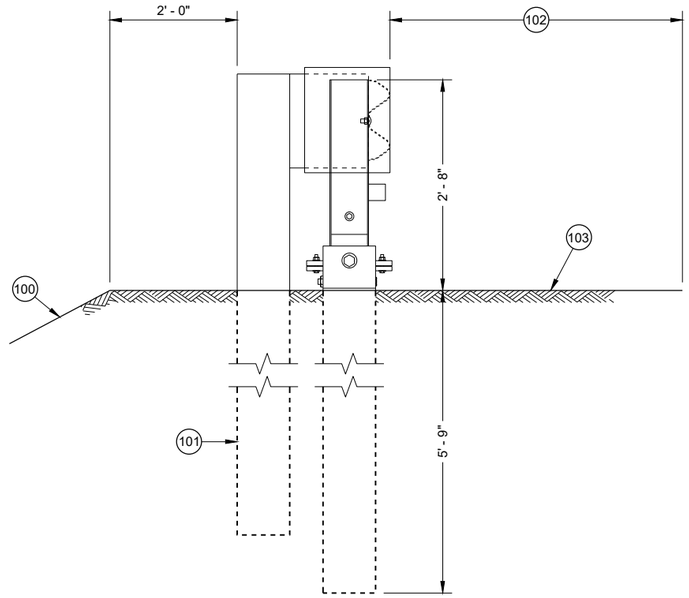
S.D.D. 14 B 45-5L

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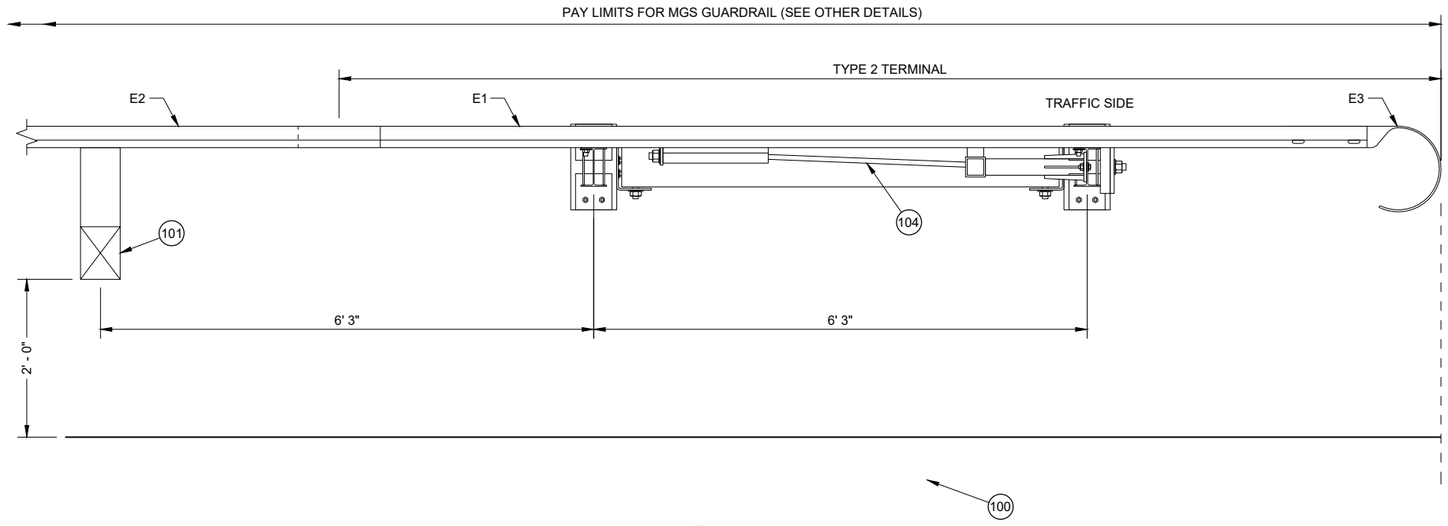
S.D.D. 14 B 45-5L



BACK VIEW
TYPE 2 TERMINAL



SIDE VIEW
TYPE 2 TERMINAL



TOP VIEW
TYPE 2 TERMINAL

GENERAL NOTES

(100) MAXIMUM SLOPE IS 2.5:1.

(101) SEE SDD 14B42 FOR MORE INFORMATION.

(102) SHOULDER

(103) MAXIMUM SLOPE IS 10:1.

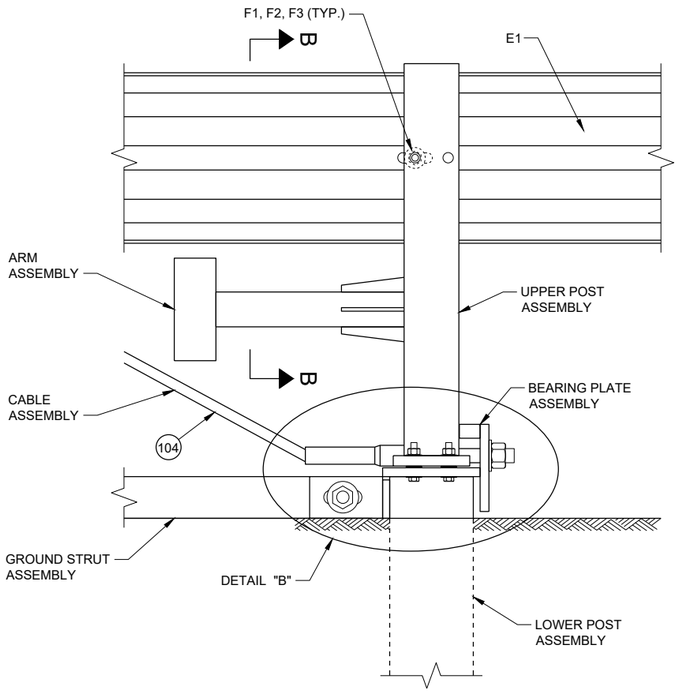
(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

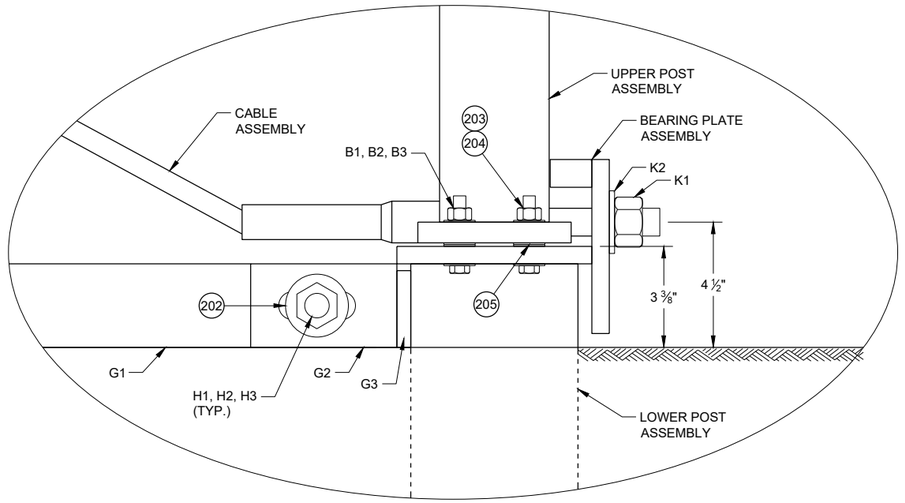
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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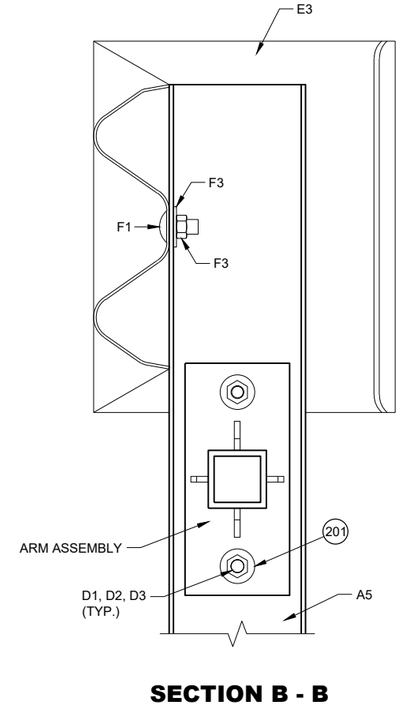
SDD 14B47 - 03a



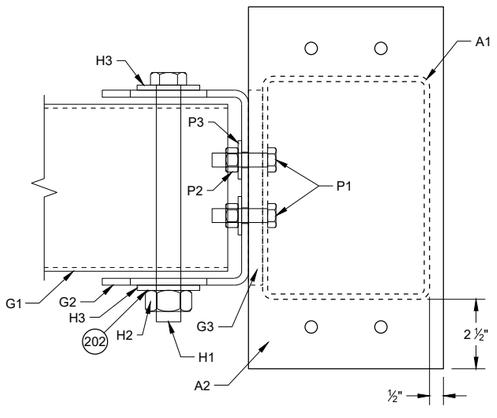
DETAIL "A"



DETAIL "B"

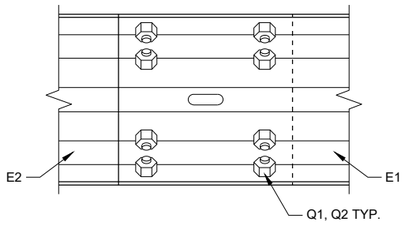


SECTION B - B

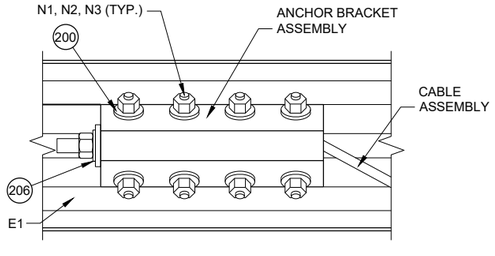


TOP VIEW

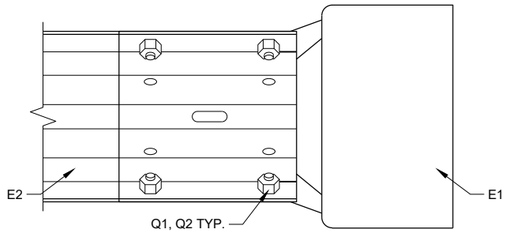
GROUND STRUT CONNECTION DETAIL



DETAIL "C"



DETAIL "D"



DETAIL "E"

GENERAL NOTES

200 INSTALL ONE WASHER UNDER BOLT HEAD AND RAIL AND ON WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

201 INSTALL ONE WASHER UNDER BOLT HEAD AND UPPER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND ARM PLATE.

202 INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

203 INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

204 TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

205 TWO WASHERS BETWEEN UPPER AND LOWER POST ASSEMBLY.

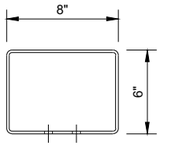
206 INSTALL ONE WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

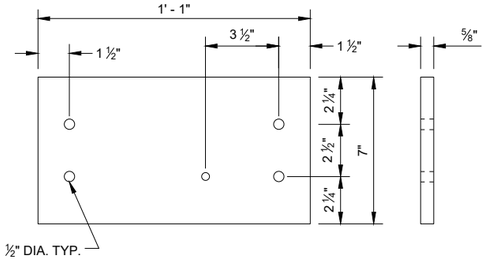
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 709

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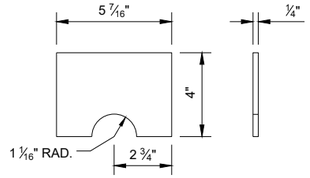
SDD 14B47 - 03b



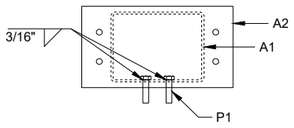
TOP VIEW



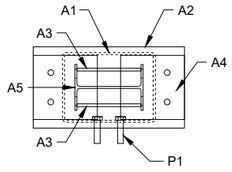
LOWER PLATE (A2)

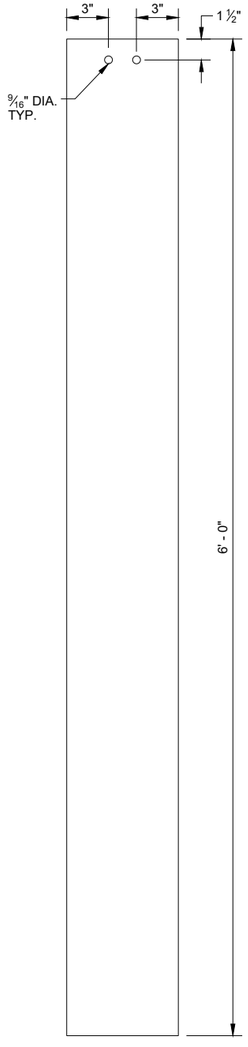


POST GUSSET (A3)



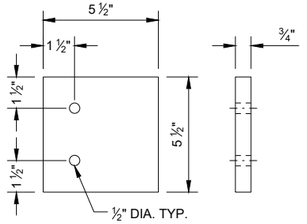
PLAN VIEW



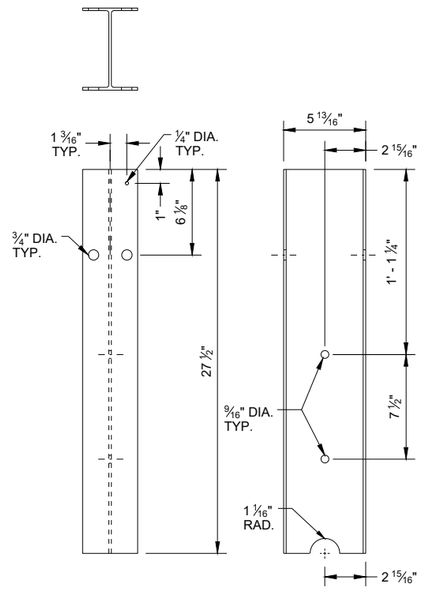


SIDE VIEW

FOUNDATION TUBE (A1)

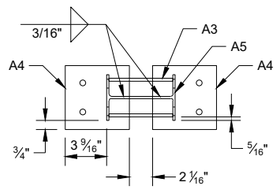


UPPER PLATE (A4)

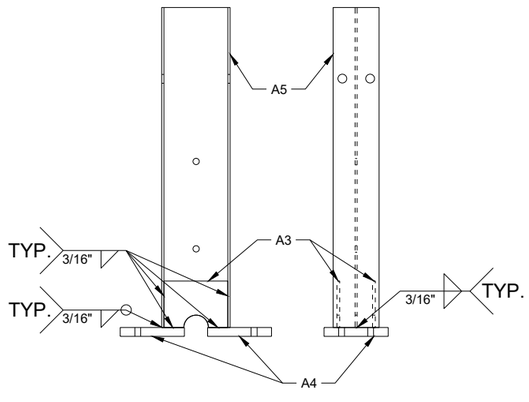


FRONT VIEW SIDE VIEW

TYPE 2 POST (A5)

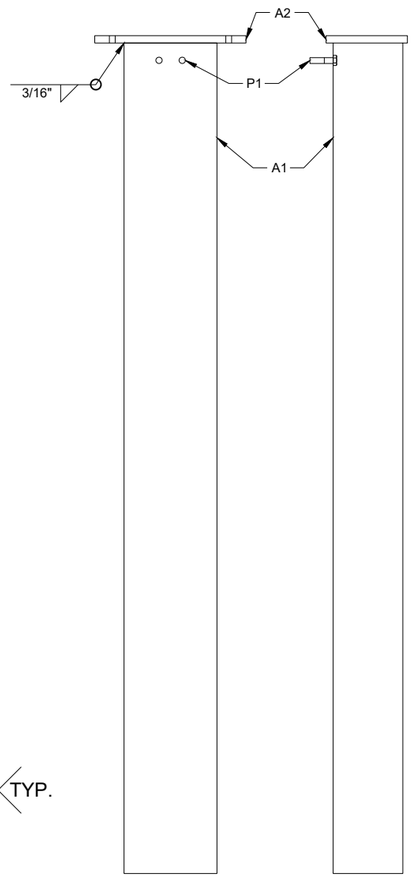


PLAN VIEW



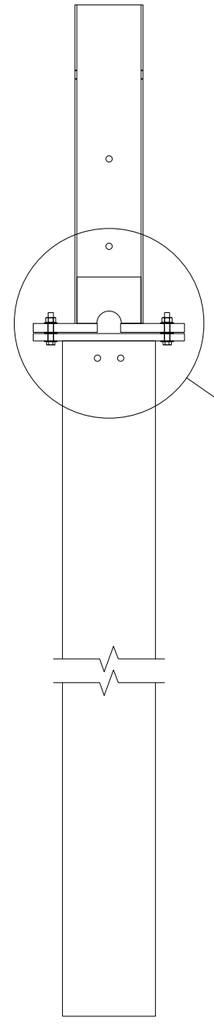
SIDE VIEW FRONT VIEW

UPPER POST ASSEMBLY

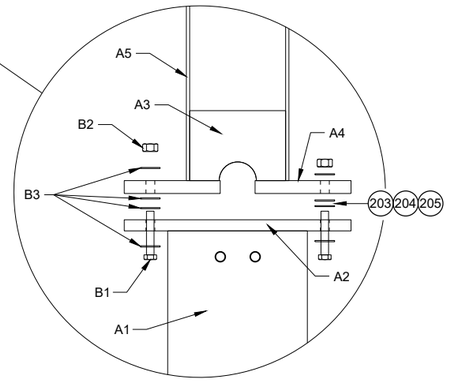


FRONT VIEW SIDE VIEW

LOWER POST ASSEMBLY



ASSEMBLED POST



POST CONNECTION DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

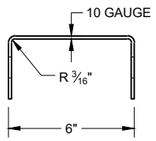
710

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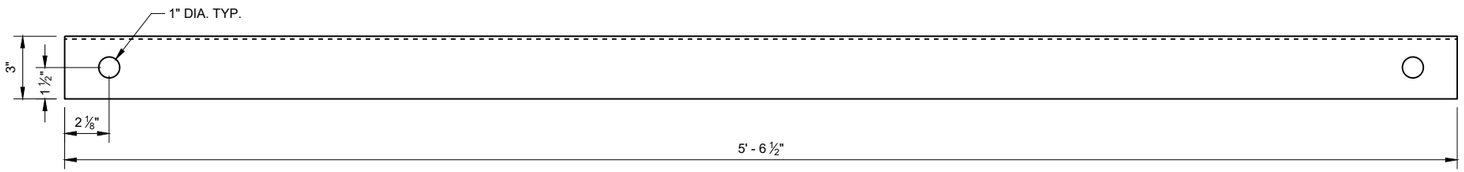
SDD14B47 - 03c

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SDD14B47 - 03c

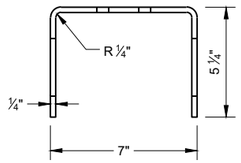


SIDE VIEW

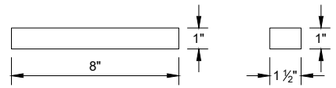


FRONT VIEW

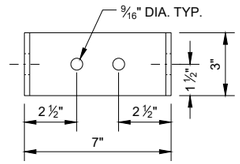
GROUND STRUT CHANNEL (G1)



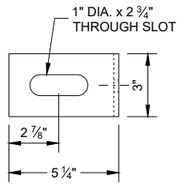
TOP VIEW



BEARING PLATE FLANGE (L2)

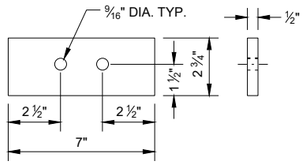


FRONT VIEW

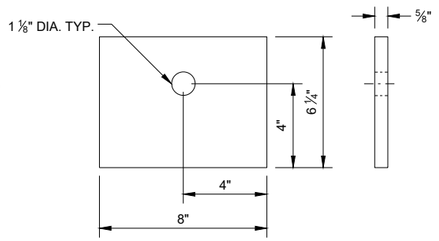


SIDE VIEW

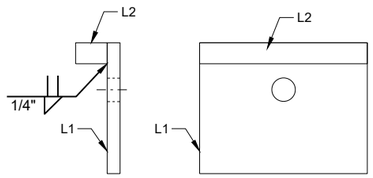
GROUND STRUT CONNECTOR (G2)



GROUND STRUT PLATE (G3)

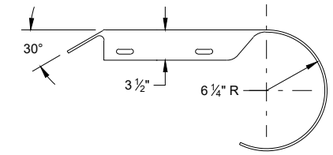


BEARING PLATE (L1)

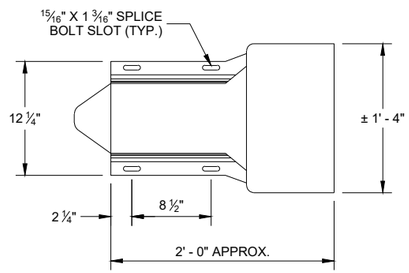


SIDE VIEW FRONT VIEW

BEARING PLATE ASSEMBLY

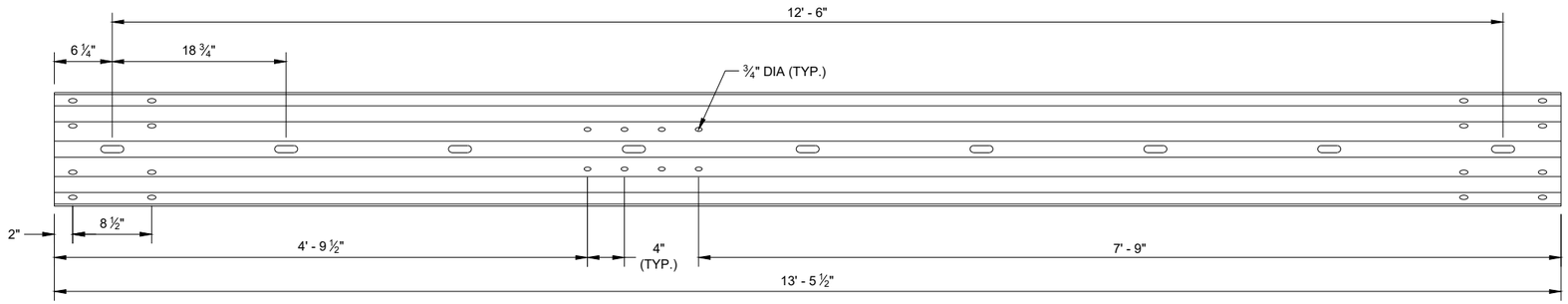


PLAN VIEW

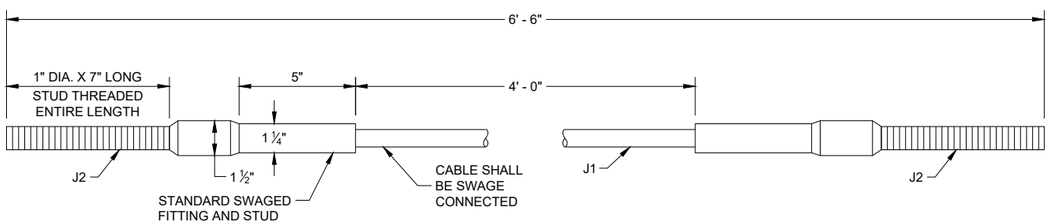


ELEVATION VIEW

ROUNDED BUFFER END (E3)



TYPE 2 GUARDRAIL (E1)



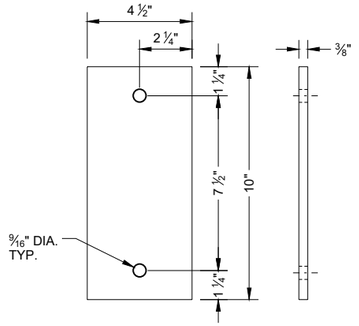
CABLE ASSEMBLY

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

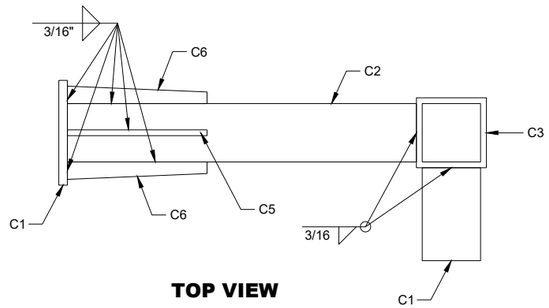
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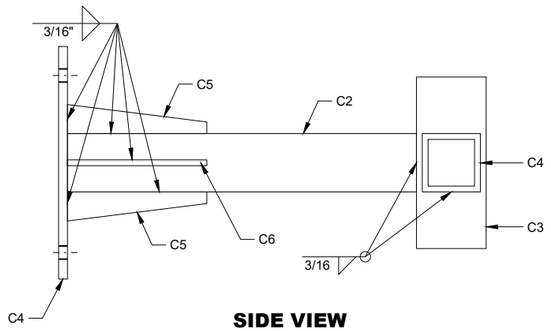
SDD 14B47 - 03d



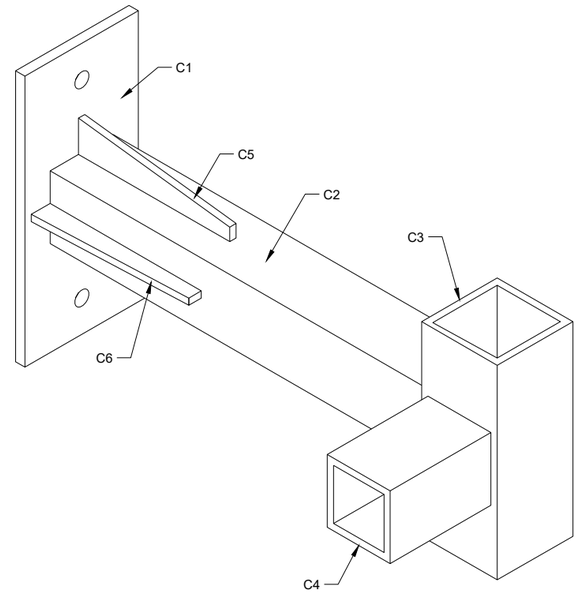
ARM PLATE (C1)



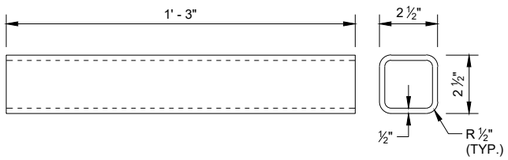
TOP VIEW
ARM ASSEMBLY



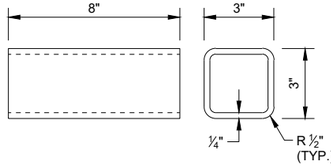
SIDE VIEW
ARM ASSEMBLY



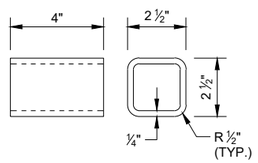
ISOMETRIC VIEW
ARM ASSEMBLY



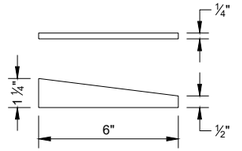
ARM TUBE 1 (C2)



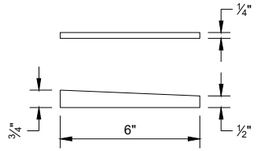
ARM TUBE 2 (C3)



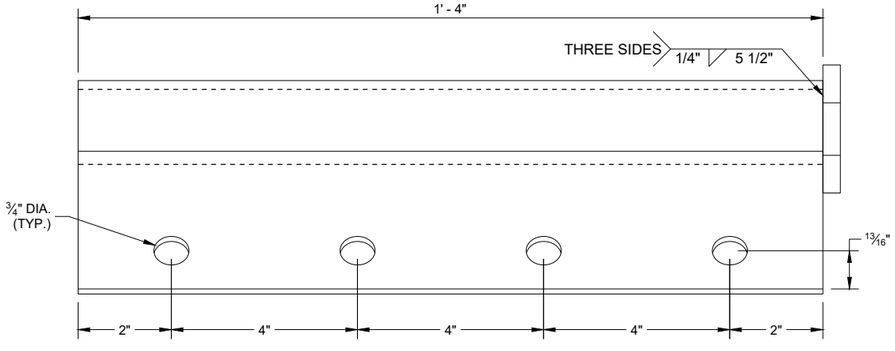
ARM TUBE 3 (C4)

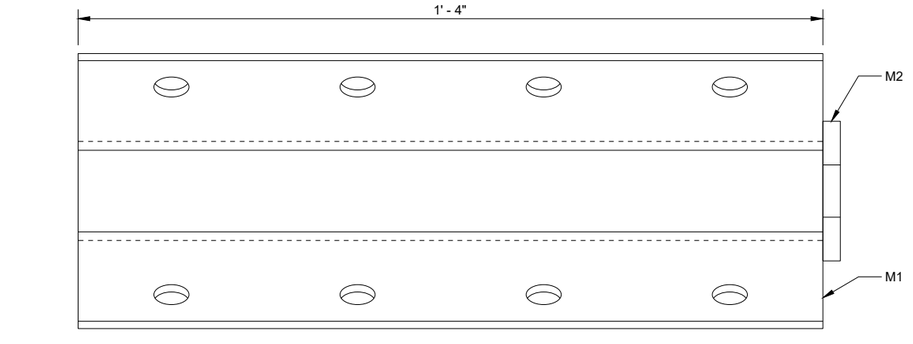


ARM GUSSET PLATE 1 (C5)

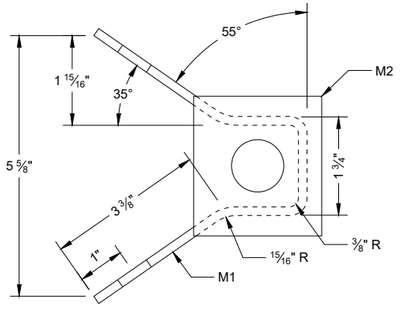


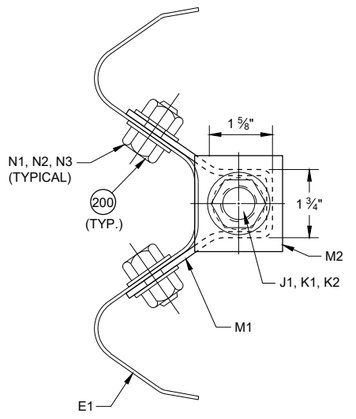
ARM GUSSET PLATE 2 (C6)

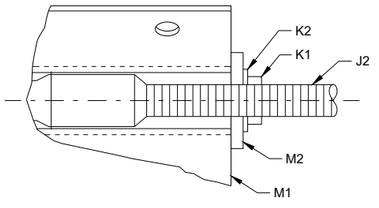




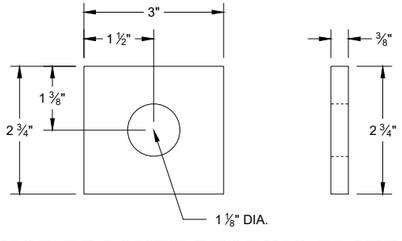
ANCHOR BRACKET (M1, M2)







SECTION A - A



ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

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BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	TYPE 2 FOUNDATION TUBE	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
A2	LOWER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
A3	POST GUSSET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
A4	UPPER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/4" THICKNESS
A5	TYPE 2 POST	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
B1	BREAKAWAY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED . PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	7/16" DIA.
B2	BREAKAWAY BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/16" DIA.
B3	BREAKAWAY BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
C1	ARM ASSEMBLY PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
C2	ARM ASSEMBLY TUBE 1	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
C3	ARM ASSEMBLY TUBE 2	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 3" x 3" x 1/4"
C4	ARM ASSEMBLY TUBE 3	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 2 1/2" x 2 1/2" X 1/4"
C5	ARM ASSEMBLY GUSSET PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
C6	ARM ASSEMBLY GUSSET PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
D1	ARM ASSEMBLY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	1/2" DIA.
D2	ARM ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	1/2" DIA.
D3	ARM ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
E1	TYPE 2 GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E2	BEAM GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E3	BEAM GUARD ROUNDED BUFFER END	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
F1	POST BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
F2	POST BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
F3	POST BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
G1	GROUND STRUT CHANNEL	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" x 11 3/4" x 10 GAUGE
G2	GROUND STRUT CONNECTOR	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
G3	GROUND STRUT PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" THICKNESS

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
H1	GROUND STRUT BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	7/8" DIA.
H2	GROUND STRUT BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/8" DIA.
H3	GROUND STRUT BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
J1	BCT CABLE	AASHTO M30 / ASTM A741 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN. BREAKING STRENGTH OF 42.7 KIPS	**3/4" DIA.**
J2	BCT CABLE	UNC 1" ASTM A576 GRADE 1035 SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. MIN BREAKING STRENGTH OF 42.7 KIPS ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."	
K1	CABLE ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1" DIA.
K2	CABLE ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1	1" DIA.
L1	BEARING PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
L2	BEARING PLATE FLANGE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1" THICKNESS
M1	BEAM GUARD ANCHOR BRACKET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
M2	BEAM GUARD ANCHOR END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
N1	ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
N2	ANCHOR BRACKET BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
N3	ANCHOR BRACKET BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
P1	FOUNDATION TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
P2	FOUNDATION TUBE WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 7/8" ASTM F844 TYPE 1 (HARDENED WASHER ONLY)	1/2" DIA.
P3	FOUNDATION TUBE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
Q1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
Q2	SPLICE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	5/8" DIA.

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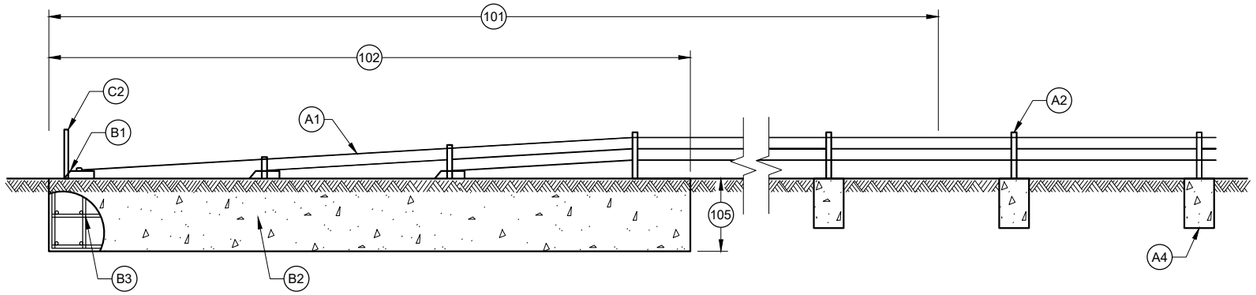
SDD 14B47 - 03g

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

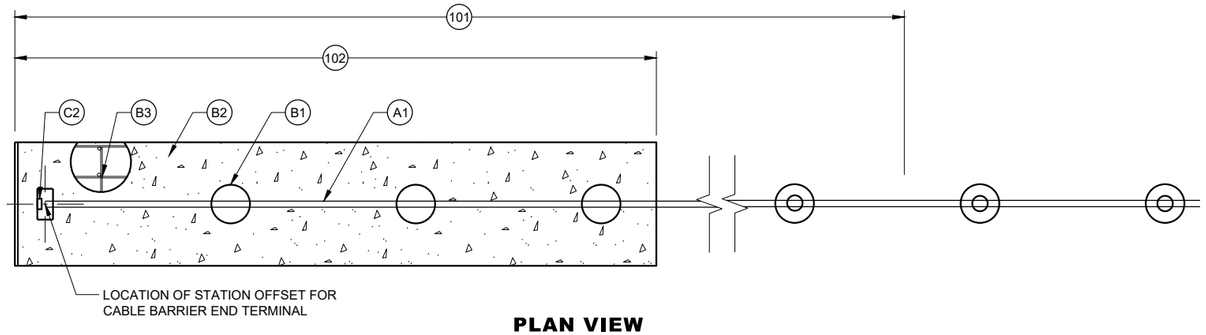
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

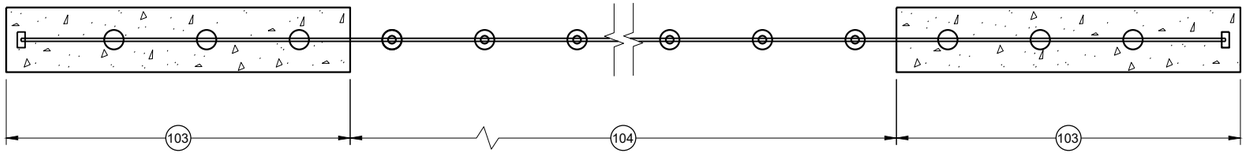


PROFILE VIEW

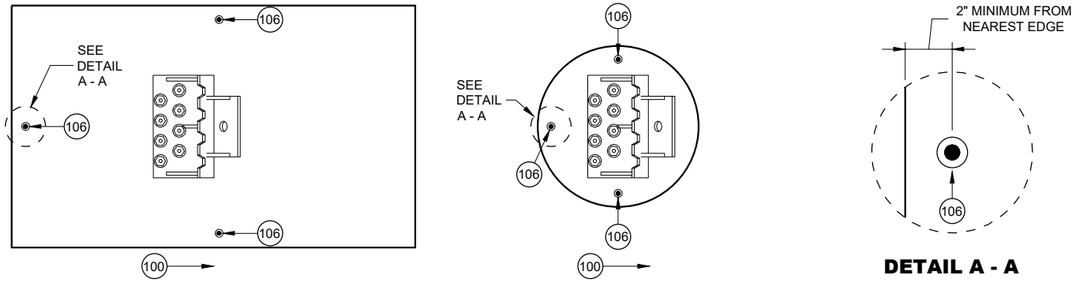


PLAN VIEW

TRANSITION FROM CABLE BARRIER TERMINAL TO CABLE BARRIER LINE POSTS



TYPICAL PLAN VIEW



DETAIL A - A

ANCHOR MONITOR POINTS FOR CABLE BARRIER END TERMINAL ANCHORS

GENERAL NOTES

DRAWINGS ARE GENERAL IN NATURE. SEE MANUFACTURER'S INFORMATION FOR MORE DETAIL.

PROVIDE 2 INCH CLEAR COVER FROM OUTER EDGE OF CONCRETE FOOTINGS TO REINFORCEMENT.

INSTALL LINE POSTS PLUMB. LINE POSTS ARE TO BE EASILY REMOVED BY HAND AND HOLD CABLES AT THE PROPER ELEVATION.

PROVIDE CABLE BARRIER SYSTEM FROM APPROVED PRODUCT LIST.

PROVIDE A SYSTEM TO HAVE THE WORKING WIDTH INDICATED IN PLAN.

PROVIDE DOCUMENTATION HOW POST SPACING, RADIUS OF CURVE AND ANCHOR SPACING INFLUENCES WORKING WIDTH TO CONSTRUCTION STAFF.

CONSTRUCT SHAFTS VERTICALLY. VERTICAL TOLERANCE OF SHAFT IS $\frac{1}{8}$" PER FOOT OF DEPTH. SHAFTS ARE TO MINIMIZE DISTURBANCE TO ADJACENT SOILS.

SECURE STEEL REINFORCEMENT AND STEEL SLEEVE PRIOR TO PLACEMENT OF CONCRETE. MAINTAIN CLEAR DISTANCE BETWEEN SOIL AND REINFORCEMENT CAGE.

PLACE CONCRETE IN ONE CONTINUOUS POUR FOR EACH FOOTING. USE VIBRATION TO CONSOLIDATE CONCRETE.

PROVIDE CASING AS NECESSARY TO PREVENT INTRUSION OF UNCONSOLIDATED MATERIALS OR WATER. USE CASINGS WHEN THERE IS 3 OR MORE INCHES OF WATER IN EXCAVATION.

PROVIDE WISCONSIN PROFESSIONAL ENGINEER SIGNED AND APPROVED FOOTING DESIGN USING A CASING AND CONSTRUCTION SEQUENCE. PROJECT ENGINEER WILL REVIEW AND APPROVED CASING DESIGN AND CONSTRUCTION SEQUENCE. CASING IS TO HAVE INTIMATE CONTACT WITH SHAFT SIDEWALL. CASING IT TO WITHSTAND INSERTION STRESS, REMOVAL STRESS, CONCRETE PRESSURE AND SOIL PRESSURE. REMOVE CASING DURING CONCRETE PLACEMENT OR IMMEDIATELY AFTER CONCRETE PLACEMENT. NO TEMPORARY CASING MAY REMAIN IN-PLACE.

PROVIDE WISCONSIN PROFESSIONAL ENGINEER SIGNED AND APPROVED FOOTING DESIGN AND CONSTRUCTION SEQUENCE WHEN OVER EXCAVATION IS REQUIRED NEAR A FOOTING. PROJECT ENGINEER WILL REVIEW AND APPROVED DESIGN AND CONSTRUCTION SEQUENCE.

FINISH TOP OF FOOTINGS TO THE DIMENSIONS INDICATED IN PLAN. REMOVE EXCESS CONCRETE.

DESIGN POST FOOTINGS SO THAT LINE POST FOOTING MOVE LESS THAN 1 INCH WHEN LINE POST IS IMPACTED BY A NCHRP TL-3 SMALL CAR.

USE MARINE GRADE ANTI-SEIZE LUBRICANT FOR THREADING FITTINGS THAT IS ACCEPTABLE FOR USE ON GALVANIZED STEEL.

(100) DIRECTION THAT THE CABLE PULLS THE END ANCHOR FOOTING

(101) LOCATION OF LENGTH OF NEED POINT FOR CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)

(102) PAY LIMIT FOR CABLE BARRIER END TERMINAL. LENGTH OF CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)

(103) CABLE BARRIER END TERMINAL

(104) CABLE BARRIER AND LINE POSTS

(105) IN SOIL MINIMUM DEPTH OF CABLE BARRIER END TERMINAL FOOTING IS 60 INCHES. DEEPER FOOTINGS PER MANUFACTURER'S RECOMMENDATION ARE ACCEPTABLE.

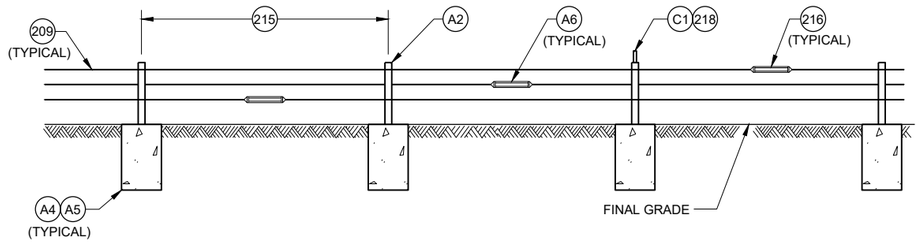
(106) ANCHOR MONITOR POINTS ARE GALVANIZED SURVEY NAIL, OR MASONRY NAIL, PLACED INTO CONCRETE FOOTING BEFORE HARDENING. IF THERE ARE MULTIPLE ANCHOR POINTS WITHIN A PAY LIMIT FOR A CABLE BARRIER END TERMINAL, EACH ANCHOR POINT NEEDS THREE ANCHOR MONITOR POINTS.

CABLE BARRIER TYPE 1 LAYOUT

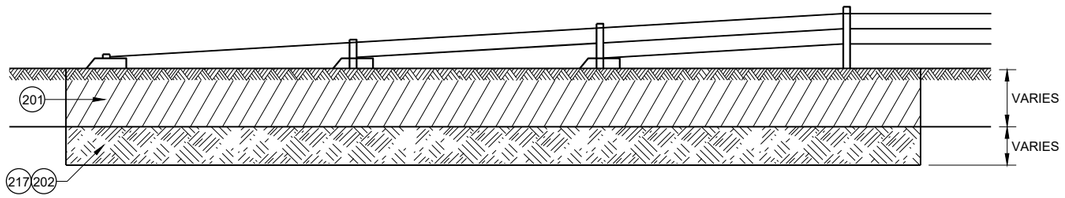
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PROFILE VIEW
LINE POST INSTALLATION



CABLE BARRIER END TERMINAL
ROCK EXCAVATION DETAIL

GENERAL NOTES

201 SOIL TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES)

202 ROCK TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES)

203 SOIL TO BE EXCAVATED FOR LINE POST (VARIES)

204 ROCK TO BE EXCAVATED FOR LINE POST (VARIES)

205 EXCAVATE AND GRADE LINE FOR LINE POST FOOTINGS. INSTALL LINE POST FOOTING TO MINIMIZE 4 INCH TALL OBJECT ON 5 FOOT CHORD.

206 2 INCHES OF CLEAR COVER FROM EDGE OF CONCRETE TO REINFORCEMENT.

207 DIAMETER OF LINE POST FOOTING VARIES. SEE MANUFACTURERS' INFORMATION.

208 MINIMUM DEPTH OF LINE POST FOOTING IS 4' - 0" IN SOIL. DEEPER FOOTINGS PER MANUFACTURER'S RECOMMENDATION ARE ACCEPTABLE.

209 NUMBER AND LOCATION OF CABLES VARY. SEE MANUFACTURERS' INFORMATION.

210 LINE POST DIMENSIONS AND CONNECTION HARDWARE VARY. SEE MANUFACTURERS' INFORMATION.

211 LANE OF ROADWAY (VARIES). SEE PLAN FOR MORE INFORMATION.

212 PAVED SHOULDER (VARIES). SEE PLAN FOR MORE INFORMATION.

213 GRAVEL SHOULDER (VARIES). SEE PLAN FOR MORE INFORMATION.

214 CABLE BARRIER OFFSET FROM CENTERLINE OF MEDIAN DITCH (8 FOOT MINIMUM). SEE PLAN FOR MORE INFORMATION.

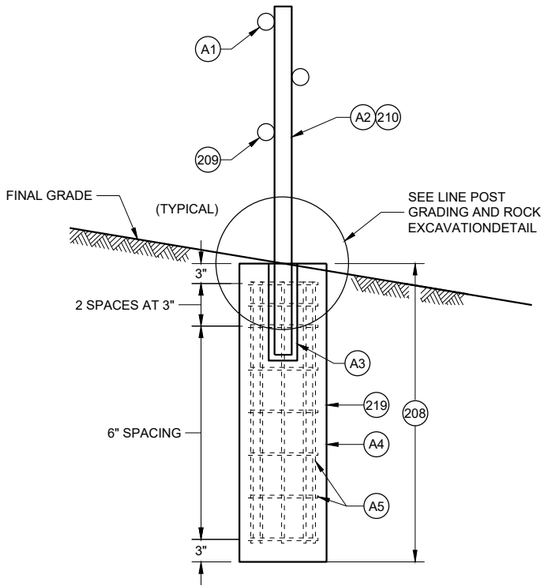
215 MAXIMUM POST SPACING IS 15 FEET.

216 STAGGER TURNBUCKLES (TYPICAL).

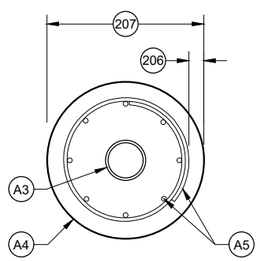
217 SEE MANUFACTURER'S DESIGN WHEN ROCK IS ENCOUNTERED.

218 LINE POST DELINEATOR SPACING IS 100 FEET.

219 MINIMUM LINE POST FOOTING REINFORCEMENT SHOWN. MANUFACTURER IS TO INDICATE REINFORCEMENT IS ADEQUATE FOR THEIR SYSTEM. IF REINFORCEMENT IS NOT ADEQUATE, PROVIDE FOOTING DESIGN WITH A ADEQUATE REINFORCEMENT.

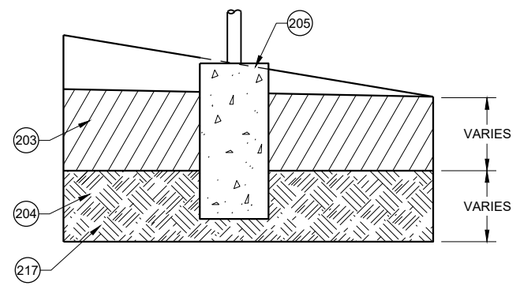


CROSS SECTION

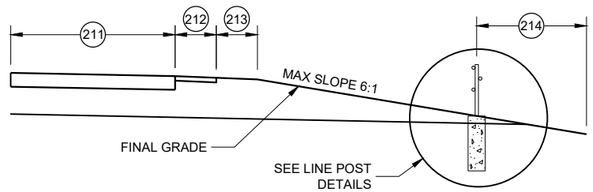


PROFILE VIEW
(LINE POSTS AND CABLES NOT SHOWN)

LINE POST DETAILS



LINE POST GRADING
AND ROCK EXCAVATION DETAIL



CABLE BARRIER OFFSET FROM DITCH LINE

CABLE BARRIER
TYPE 1 LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

716

SDD 14B52 - 02b

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BILL OF MATERIALS

PART NUMBER	QTY.	DESCRIPTION	MATERIALS SPECIFICATIONS
(A1)	3 OR 4	¾" 3x7 PRESTRECHED GALVANIZED STEEL WIRE ROPE	AASHTO M30 TYPE 1 CLASS A OR ASTM A741 TYPE 1 CLASS A WITH MINIMUM BREAKING STRENGTH = 39 KIPS (173.5 KN)
(A2)	1 PER LINE POST	GALVANIZED REMOVABLE STEEL LINE POST	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
			ASTM A123 (GALVANIZATION).
(A3)	1 PER LINE POST	GALVANIZED STEEL SLEEVE	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
			ASTM A123 (GALVANIZATION).
(A4)	VARIES	CONCRETE FOR LINE POST FOOTING	A, A-FA.A-T, OR A-IP OF STANDARD SPECIFICATION 501.2 OR AS MANUFACTURER SPECIFIES.
			STANDARD SPECIFICATION 716 QMP FOR CLASS II ANCILLARY CONCRETE
			SEE MANUFACTURER'S INFORMATION ON DIMENSIONS.
(A5)	VARIES	EPOXY COATED STEEL REINFORCEMENT	STANDARD SPECIFICATION 505.
			ALL BARS ARE NO. 4 BARS
(A6)	VARIES	TURNBUCKLES AND OTHER CABLE CONNECTING HARDWARE	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS.
			MINIMUM BREAKING STRENGTH OF TURNBUCKLES AND CONNECTION HARDWARE IS EQUAL TO CABLE.
			TURNBUCKLES AND OTHER CABLE CONNECTION HARDWARE IS FIELD SWAGED PER MANUFACTURER'S RECOMMENDATION AND DETAILS.
			PROVIDE DOCUMENTATION THAT THE FITTINGS ARE STRONGER THAN THE CABLE BARRIER. DOCUMENTATION IS TO INCLUDE: MANUFACTURER NAME, TESTING RESULTS, AND DATE OF TESTING.
(B1)	VARIES	CABLE CONNECTION TO CABLE BARRIER END TERMINAL	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
(B2)	VARIES	CONCRETE FOR CABLE BARRIER END TERMINAL	A, A-FA.A-T, OR A-IP OF STANDARD SPECIFICATION 501.2.
			STANDARD SPECIFICATION 716 QMP FOR CLASS II ANCILLARY CONCRETE
(B3)	VARIES	EPOXY COATED STEEL REINFORCEMENT	STANDARD SPECIFICATION 505.
(C1)	VARIES	LINE POST DELINEATOR	REFLECTIVE SHEETING TYPE SH. SEE APPROVED PRODUCT LIST YELLOW.
(C2)	VARIES	CABLE BARRIER END TERMINAL DELINEATOR	REFLECTIVE SHEETING TYPE SH. SEE APPROVED PRODUCT LIST OBJECT MARKER TYPE 3 PATTERN

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SDD 14B52 - 02c

SDD 14B52 - 02c

CABLE BARRIER TYPE 1 LAYOUT

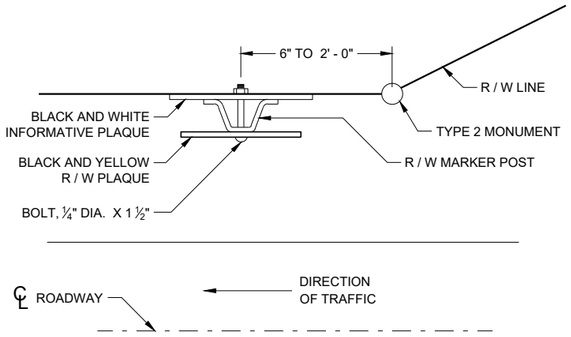
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

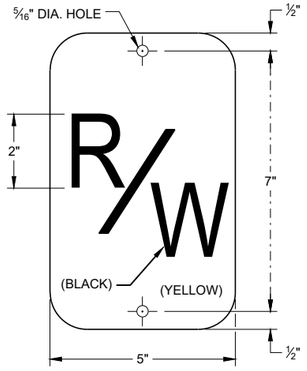
May 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

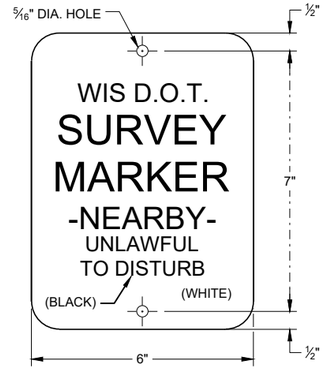


PLAN VIEW
STEEL MARKER POST



R / W PLAQUE

THE RIGHT-OF-WAY PLAQUE AND INFORMATIVE PLAQUE WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.



INFORMATIVE PLAQUE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

A STEEL MARKER POST FOR RIGHT -OF-WAY SHALL BE PLACED IN THE RIGHT-OF-WAY WITH THE BACK OF THE POST ON THE LONGER RIGHT-OF-WAY TANGENT, 6 INCHES TO 24 INCHES FROM EACH TYPE 2 MONUMENT TO SERVE AS A GUARD POST, AND AT OTHER LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE "R/W" PLAQUE SHALL FACE THE ROADWAY AND THE INFROMATIVE PLAQUE SHALL FACE AWAY FROM THE ROADWAY. "R/W" AND INFORMATIVE PLAQUES WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

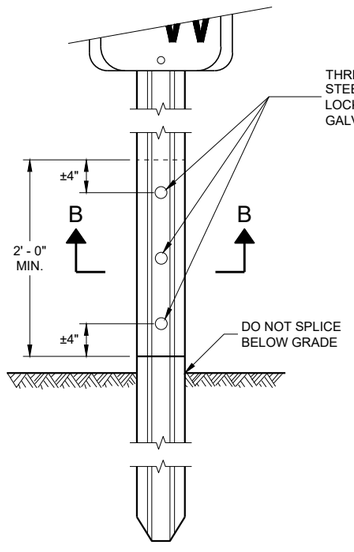
STEEL MARKER POSTS SHALL MEET THE MINIMUM MATERIAL REQUIREMENTS FOR STEEL DELINEATOR POSTS; EXCEPT POSTS PAINTED WITH FEDERAL YELLOW ENAMEL NEED NOT BE ZINC COATED.

(1) IN AREAS OF SOLID ROCK, DRILL A BORE HOLE 2" GREATER THAN THE WIDEST DIMENSION OF THE POST CROSS SECTION INTO THE ROCK A MINIMUM DEPTH OF 12 INCHES. CUT OR SPLICE THE POST SO THAT A MINIMUM LENGTH OF 3' - 10" PROTRUDES ABOVE THE GROUND. BLOW OUT THE BORE HOLE IN THE ROCK USING COMPRESSED AIR. FILL THE BORE HOLE WITH CEMENT GROUT OR EQUIVALENT, DEPENDING ON THE STABILITY OF THE ROCK.

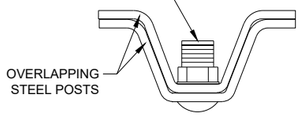
FRONT VIEW
STEEL MARKER POST

FRONT VIEW
ROCK INSTALLATION (1)

MIN. WEIGHT 1.12 LB./FT.
SECTION A - A



FRONT VIEW
SPLICE DETAIL



SECTION B - B

MARKER POST FOR RIGHT - OF - WAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/18/2016 — DATE
/S/ Ray Kumapayi — CHIEF SURVEYING AND MA ENGINEER

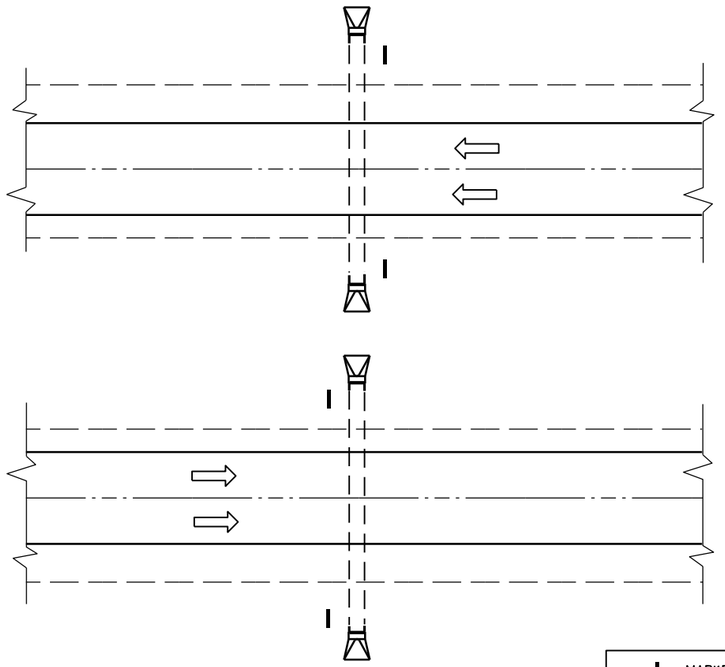
FHWA

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SDD 15A01 - 13a

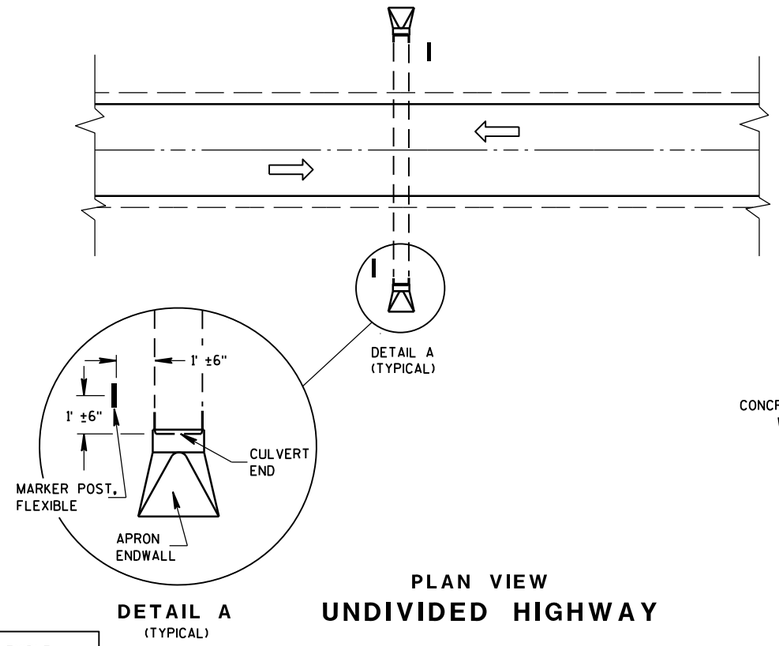
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PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

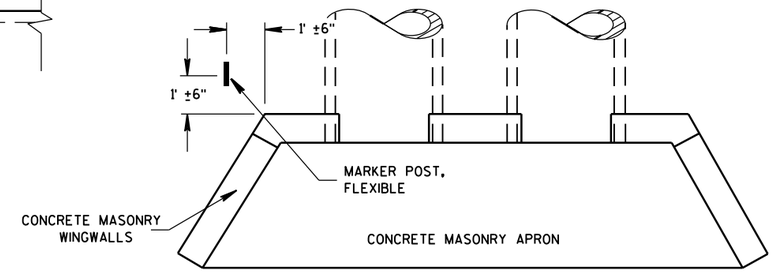
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

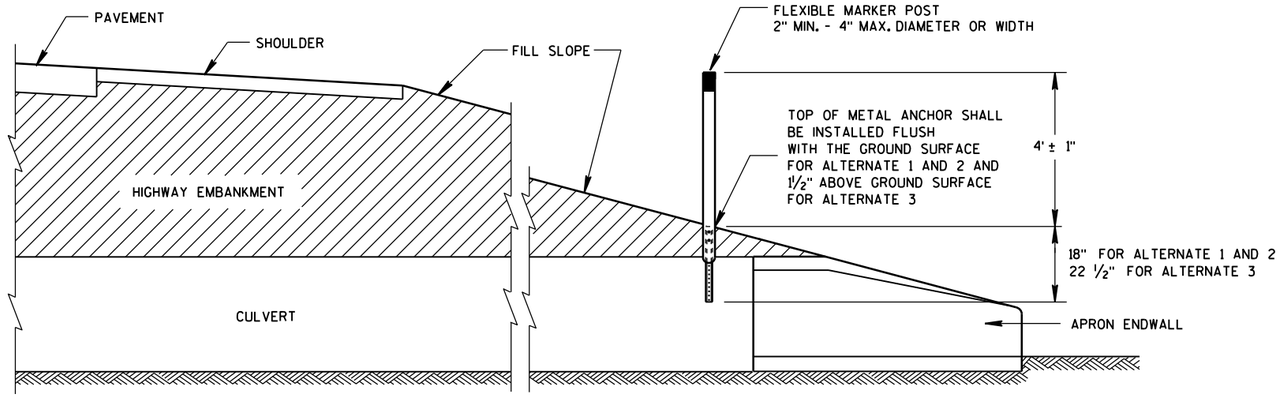
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

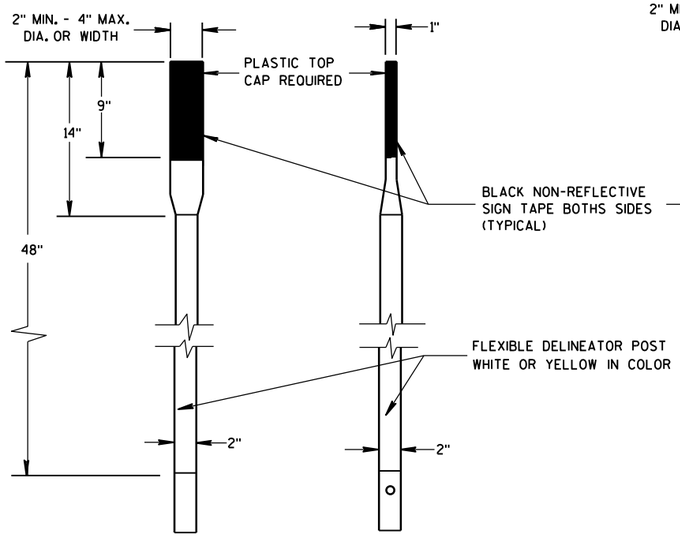
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

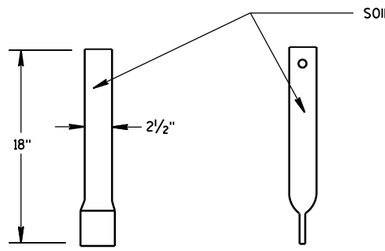
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S.D.D. 15 A 3-2a

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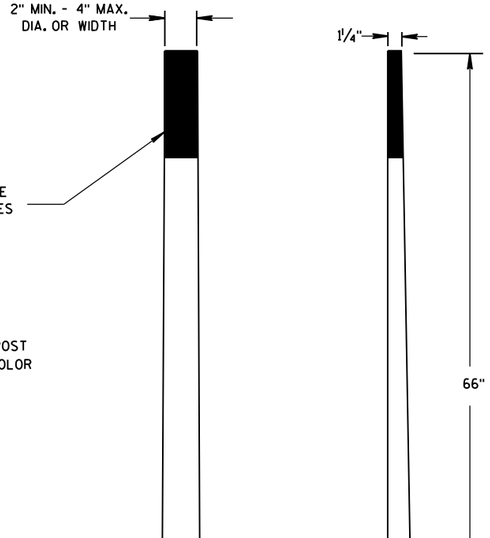
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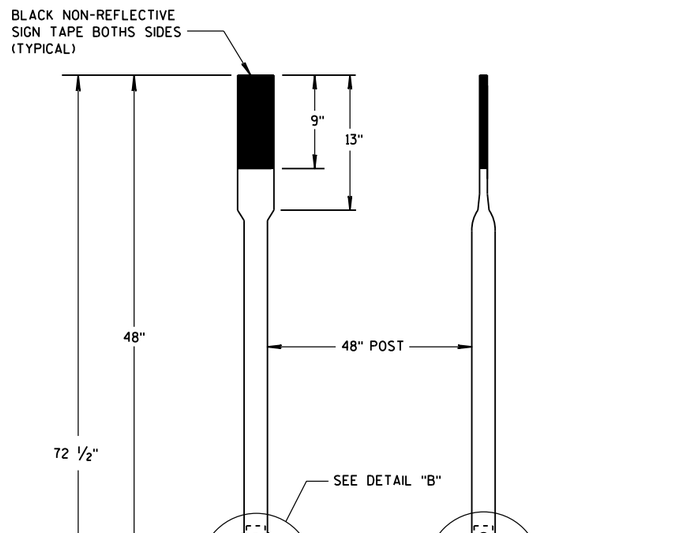
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

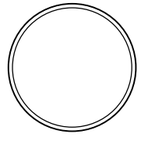
ALTERNATE 2



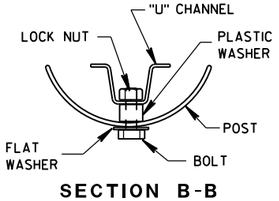
FRONT VIEW SIDE VIEW

ALTERNATE 3

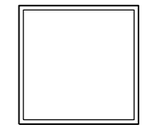
FLEXIBLE MARKER POSTS



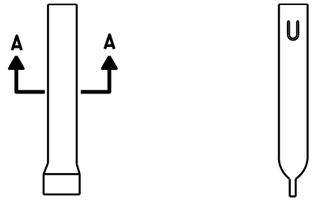
SECTION A-A



SECTION B-B

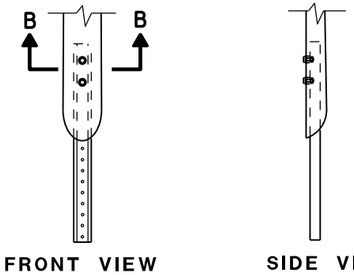


SECTION C-C



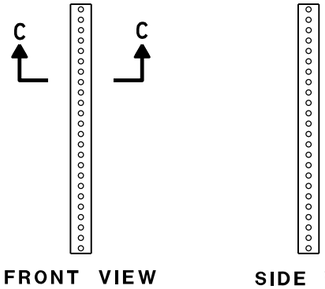
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

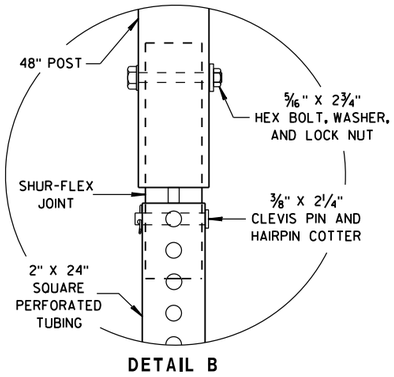
ALTERNATE 2



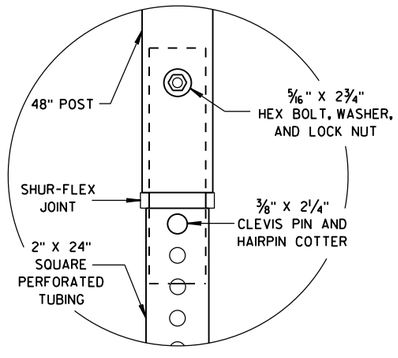
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

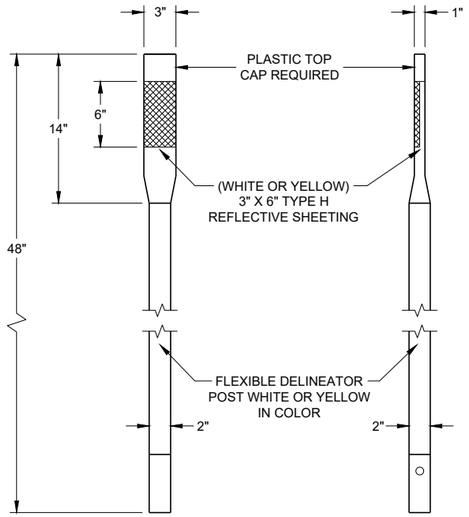
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

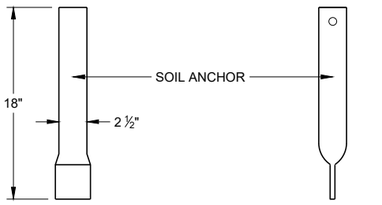
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S.D.D. 15 A 3-2b

6

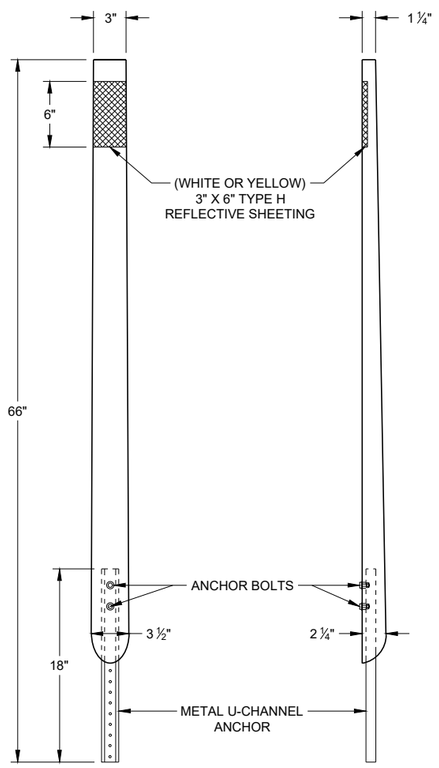
S.D.D. 15 A 3-2b





FRONT VIEW SIDE VIEW

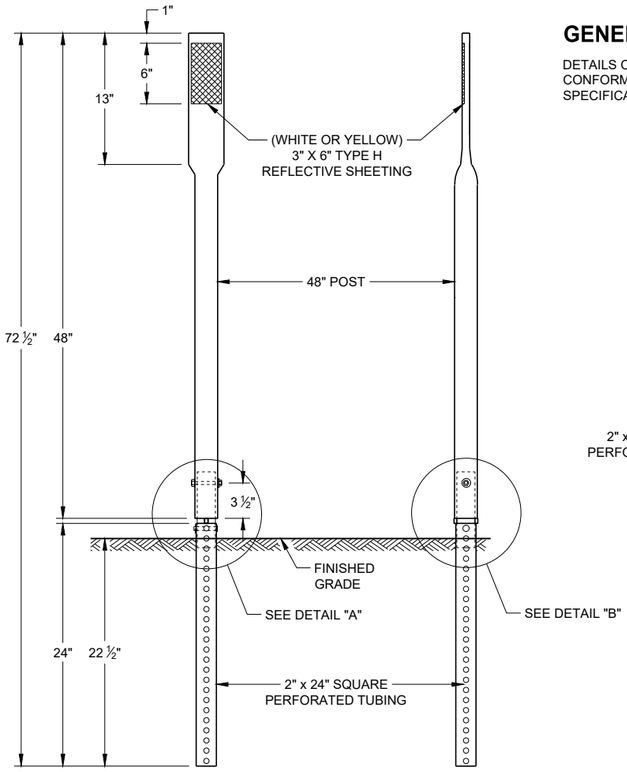
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE DELINEATOR POSTS

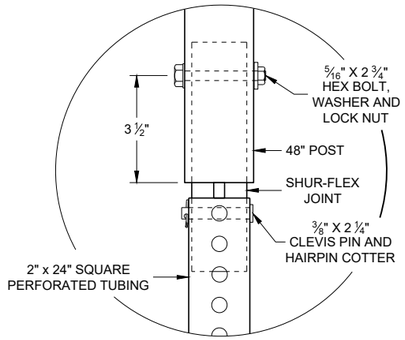


FRONT VIEW SIDE VIEW

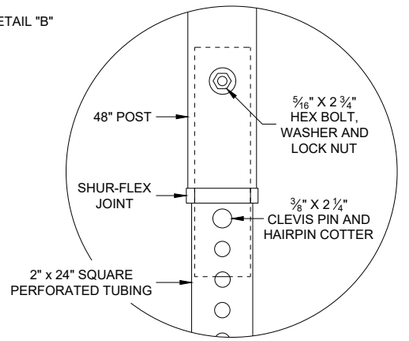
ALTERNATE 3

GENERAL NOTES

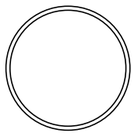
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



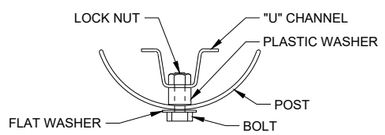
DETAIL A



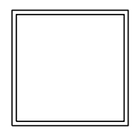
DETAIL B



SECTION A - A



SECTION B - B

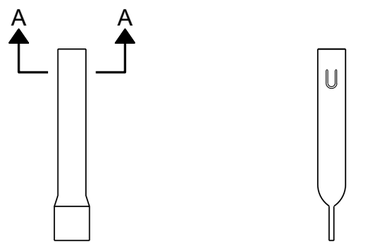


SECTION C - C

REFLECTOR SPACING TABLE

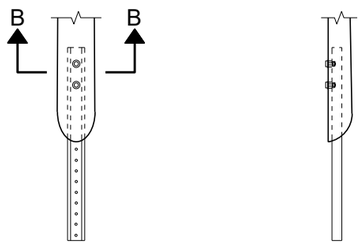
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER



FRONT VIEW SIDE VIEW

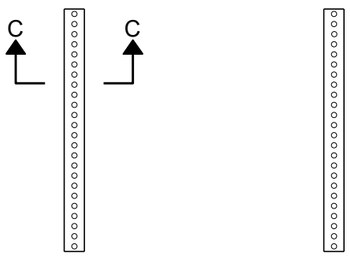
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE MARKER POST ANCHORS



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

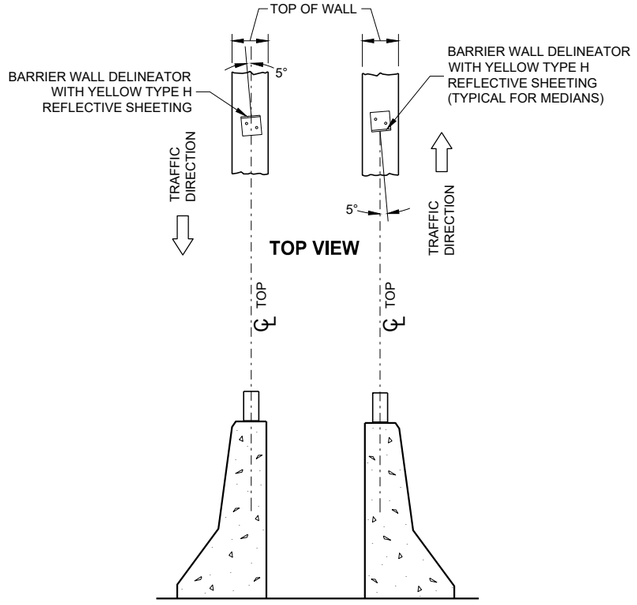
APPROVED
May 2021 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

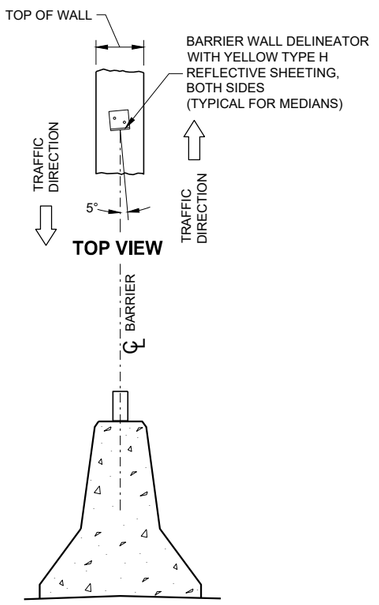
SDD 15A04 - 06a

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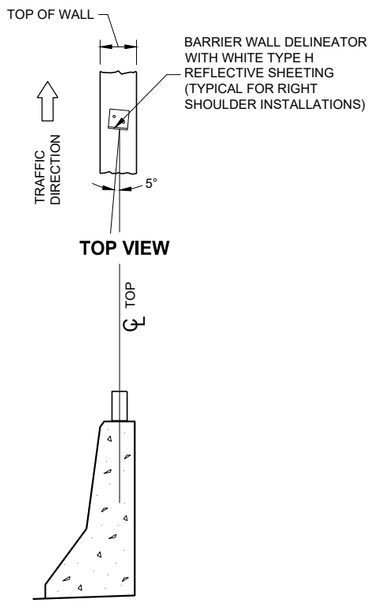
SDD 15A04 - 06a



SIDE VIEW
DOUBLE BARRIERS IN MEDIAN

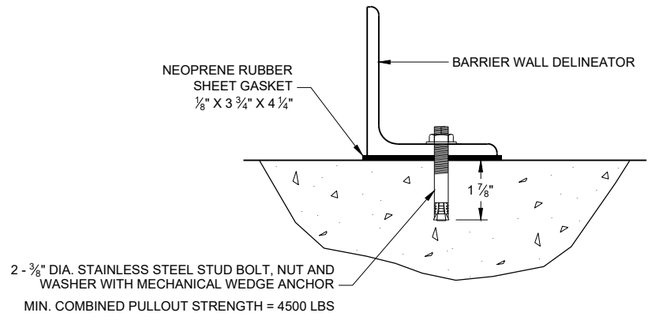


SIDE VIEW
MEDIAN BARRIER

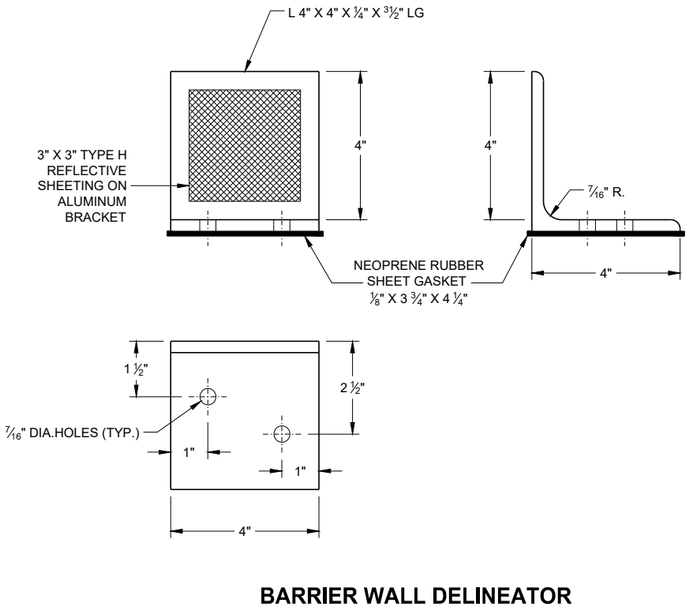


SIDE VIEW
TO RIGHT OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR BARRIER WALL DELINEATOR MOUNTED ON CONCRETE BARRIERS



BARRIER WALL DELINEATOR MOUNTING DETAIL



BARRIER WALL DELINEATOR

REFLECTOR SPACING TABLE

REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3

BARRIER WALL DELINEATOR WITH REFLECTIVE SHEETING

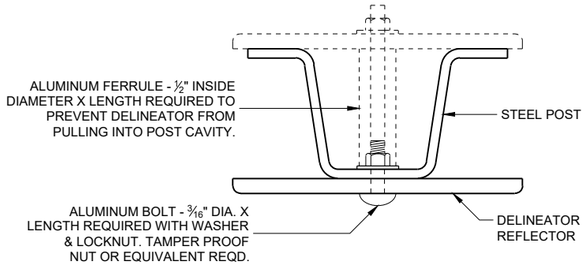
STATE OF WISCONSIN
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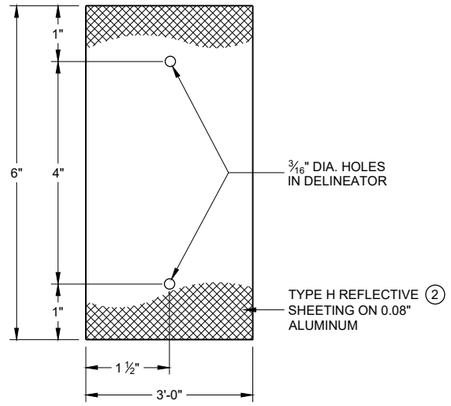
FHWA

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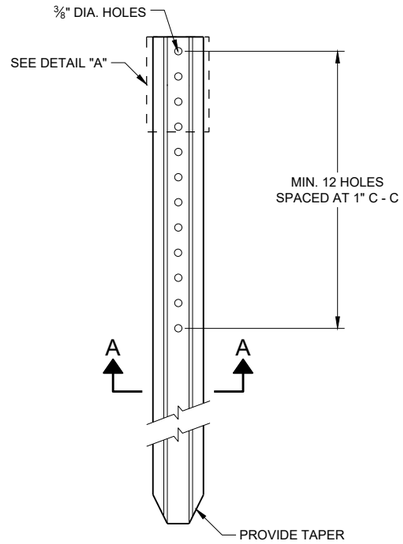
SDD 15A04 - 06b



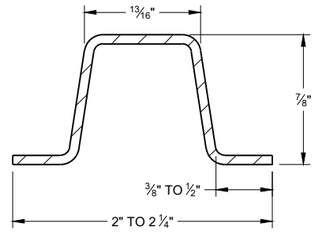
MOUNTING DETAIL FOR DELINEATOR REFLECTOR



DETAIL "A" 3" X 6" DELINEATOR REFLECTOR



DELINEATOR POST



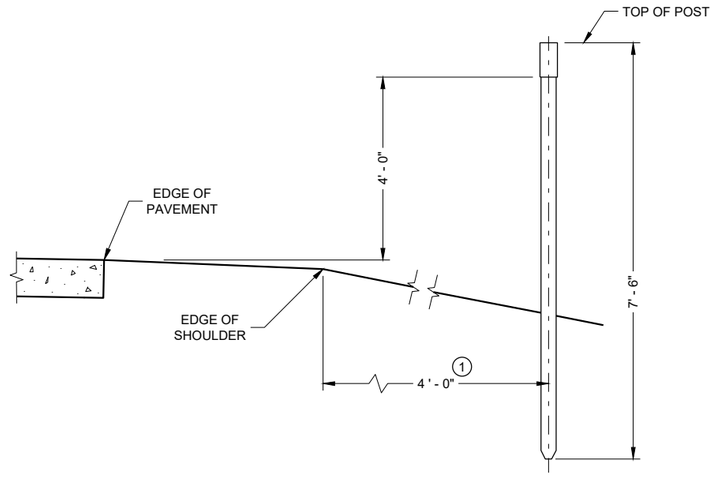
SECTION A - A

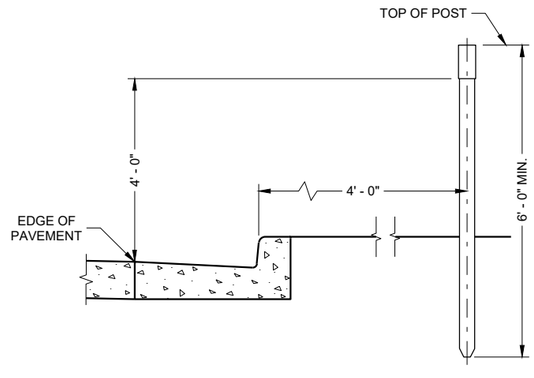
WEIGHT 1.12 LBS PER FT. \ 0.1 LB.

REFLECTOR SPACING TABLE

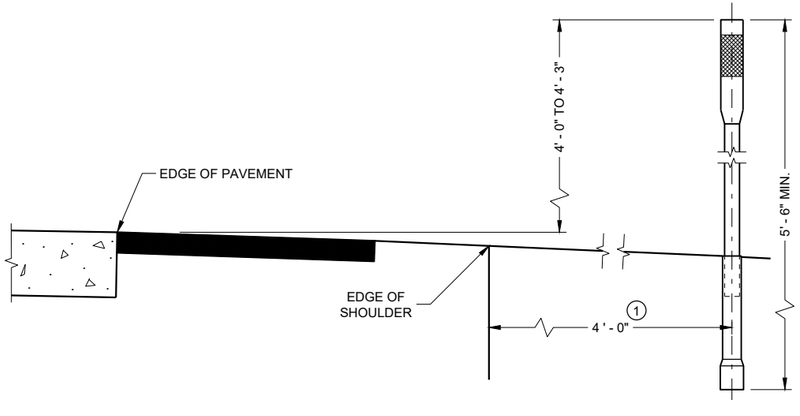
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

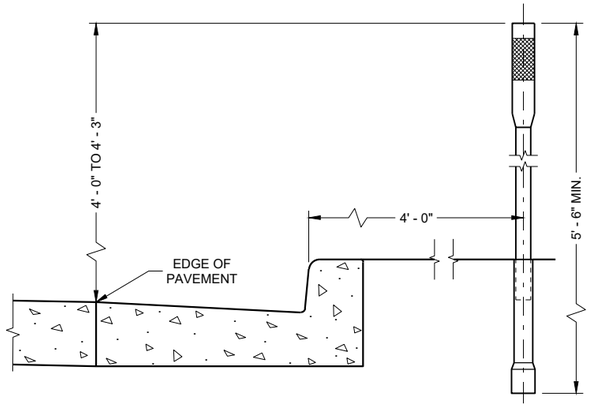
* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER





TYPICAL INSTALLATIONS OF DELINEATOR POSTS





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF TEH STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

1. DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.
2. FURNISH TYPE H SHEETING FROM THE APPROVED PRODUCTS LIST.

DELINEATOR POST WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

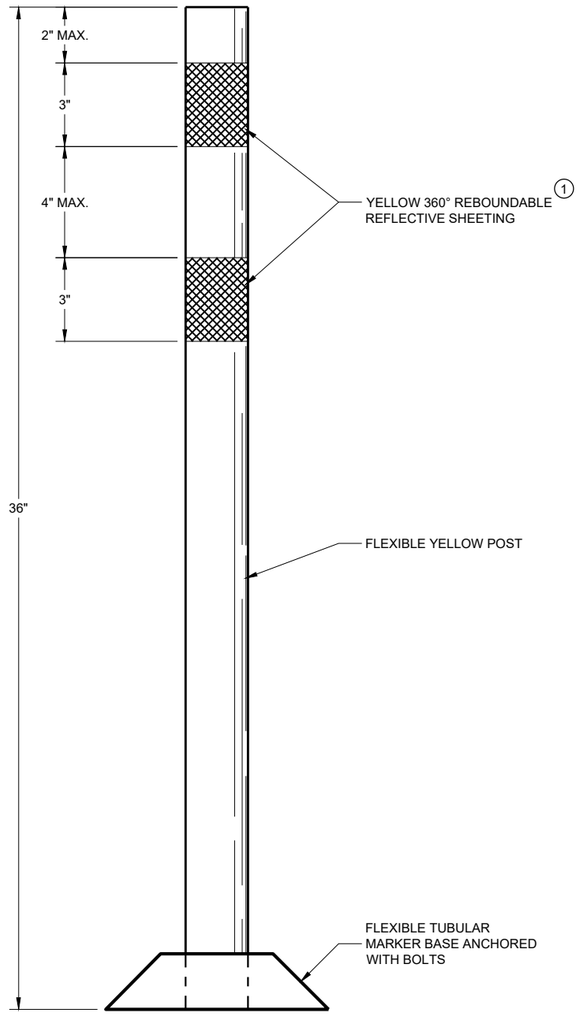
APPROVED
May 2021 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
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SDD 15A04 - 06c

6

SDD 15A04 - 06c



PERMANENT FLEXIBLE TUBULAR MARKER POST

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

SDD 15A04 - 06d

CHANNELIZING DEVICES
PERMANENT FLEXIBLE
TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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May 2021 — DATE
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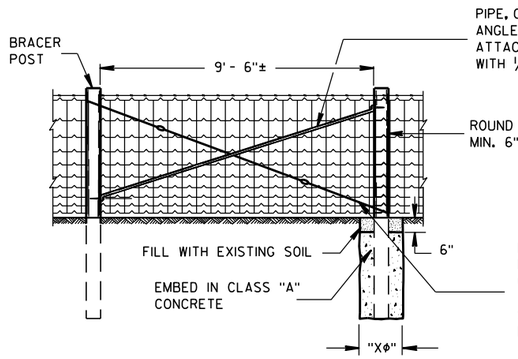
FHWA

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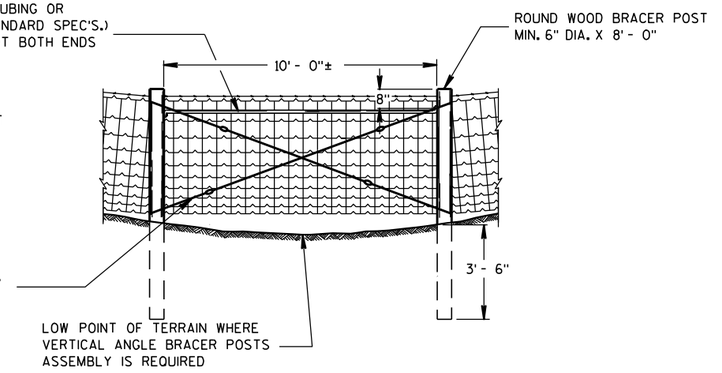
SDD 15A04 - 06d

NOTE: PULL OR STRETCHER POST ASSEMBLIES SHALL BE PLACED MIDWAY BETWEEN END POSTS AND CORNER POSTS WHERE A RUN OF FENCE EXCEEDS 660' BUT IS LESS THAN 1,320'. FOR RUNS OF FENCE IN EXCESS OF 1,320' MAXIMUM SPACING OF PULL OR STRETCHER POST ASSEMBLIES SHALL BE 660'± C-C.

ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY



VERTICAL ANGLE BRACER POSTS ASSEMBLY

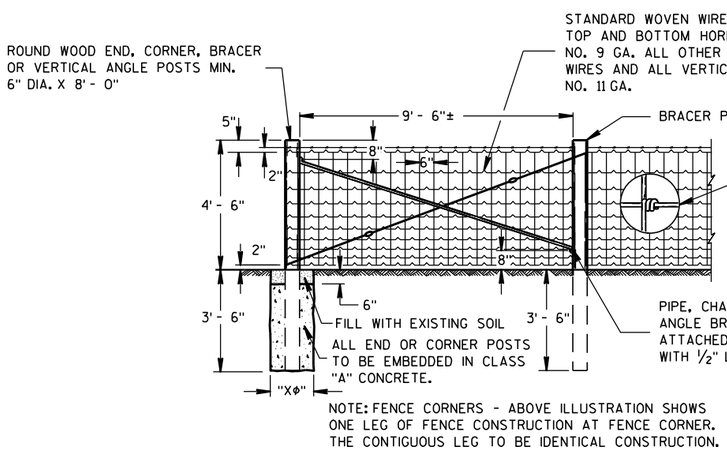
GENERAL NOTES

"XΦ" = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VERTICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

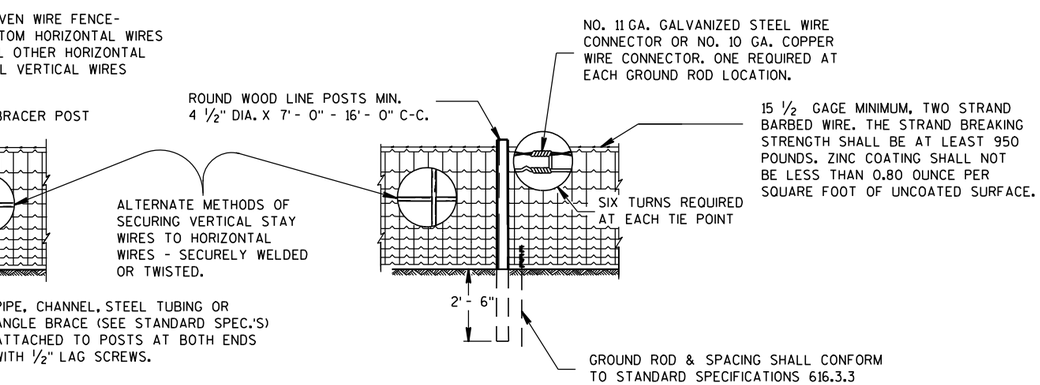
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.



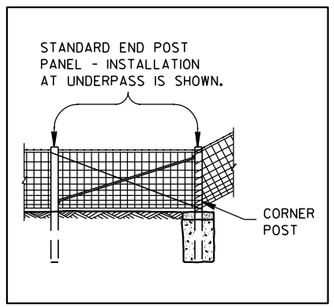
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

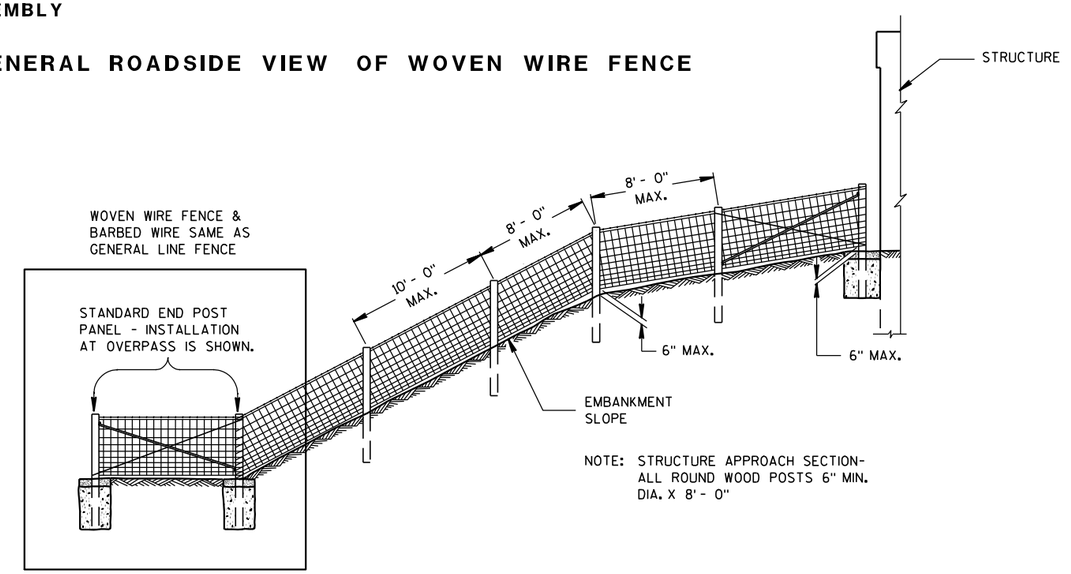


LINE FENCE CONSTRUCTION

GENERAL ROADSIDE VIEW OF WOVEN WIRE FENCE



ALTERNATE FENCE DESIGN AT STRUCTURE



NOTE: STRUCTURE APPROACH SECTION- ALL ROUND WOOD POSTS 6" MIN. DIA. X 8' - 0"

FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

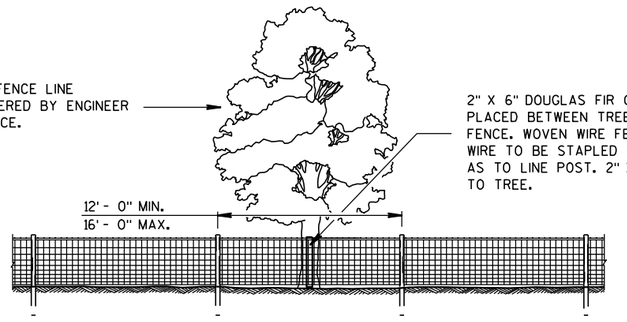
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

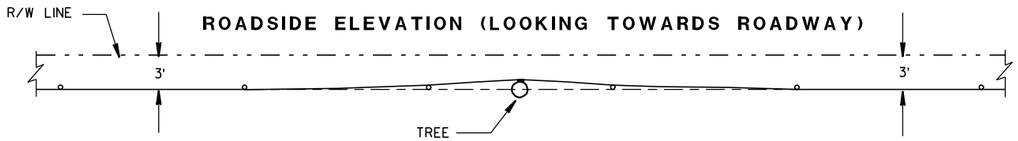
S.D.D. 15 B 1-8a

NOTE: TREE IN NORMAL FENCE LINE SPECIFICALLY ORDERED BY ENGINEER TO REMAIN IN PLACE.

2" X 6" DOUGLAS FIR OR SO. YELLOW PINE PLACED BETWEEN TREE AND WOVEN WIRE FENCE. WOVEN WIRE FENCE AND BARBED WIRE TO BE STAPLED TO 2" X 6" LIKE AS TO LINE POST. 2" X 6" NOT FASTENED TO TREE.

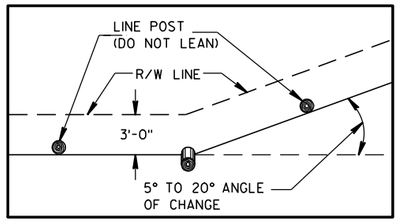


ROADSIDE ELEVATION (LOOKING TOWARDS ROADWAY)

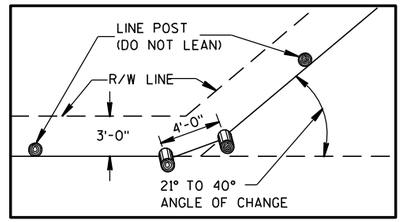


PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



PLAN VIEW
SINGLE POST CORNER

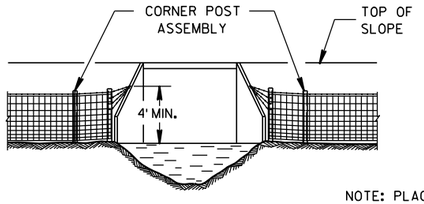


PLAN VIEW
DOUBLE POST CORNER

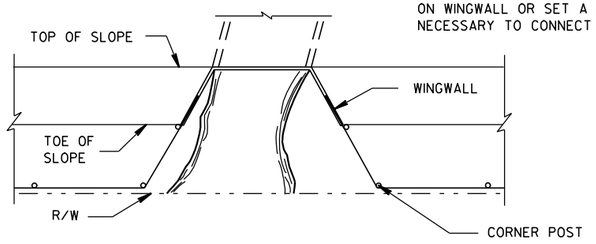
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

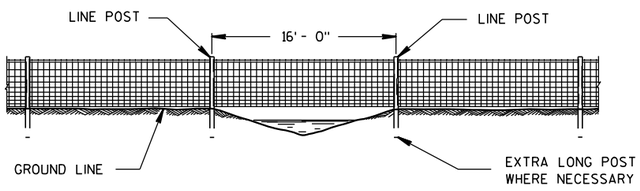
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



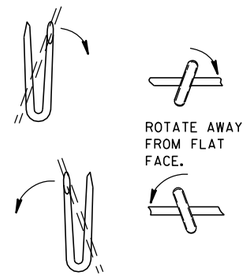
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



FENCE INSTALLATION TO WINGWALLS

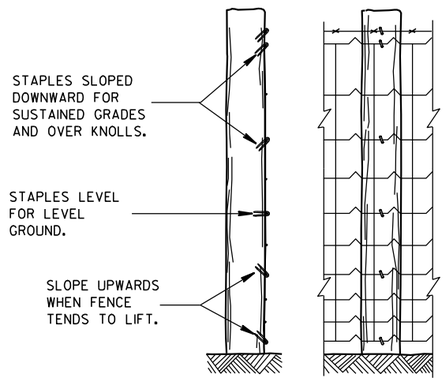


FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH



LINE POST

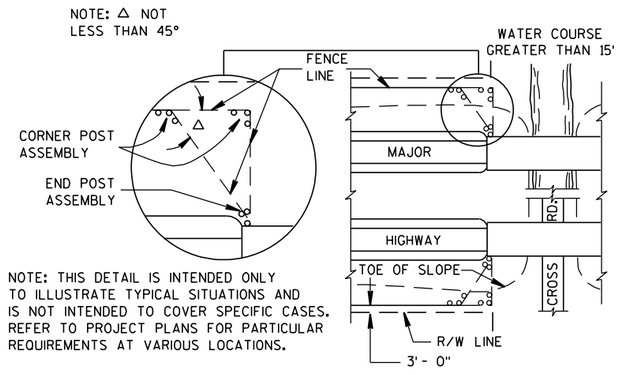
NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION — FARM SIDE ELEVATION

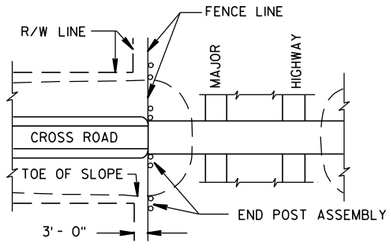
FENCE MOUNTING DETAIL

NOTE: △ NOT LESS THAN 45°



NOTE: THIS DETAIL IS INTENDED ONLY TO ILLUSTRATE TYPICAL SITUATIONS AND IS NOT INTENDED TO COVER SPECIFIC CASES. REFER TO PROJECT PLANS FOR PARTICULAR REQUIREMENTS AT VARIOUS LOCATIONS.

PLAN VIEW
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



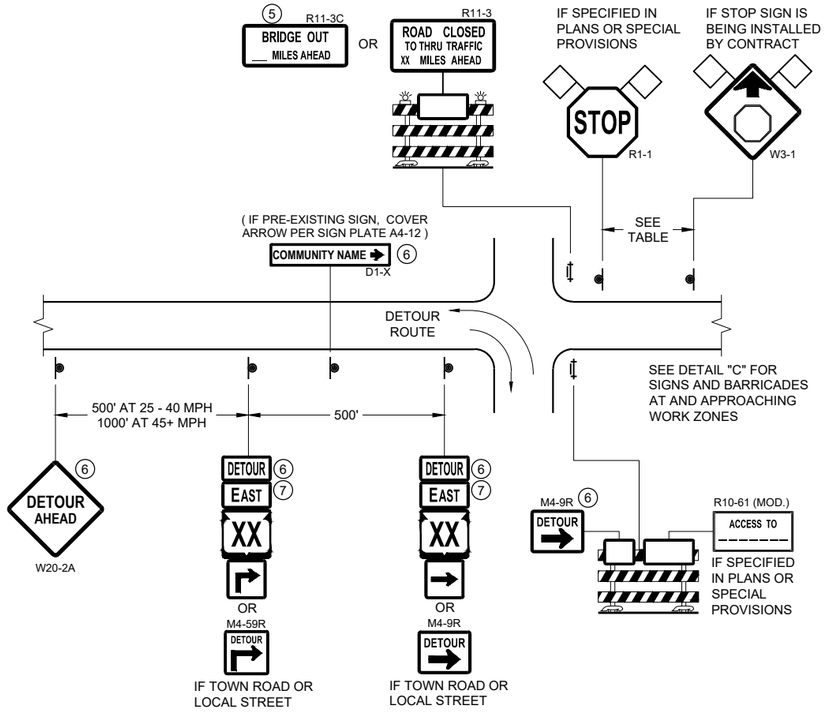
PLAN VIEW
MAJOR HIGHWAY UNDERPASS

FENCE LOCATION AT STRUCTURES

FENCE WOVEN WIRE

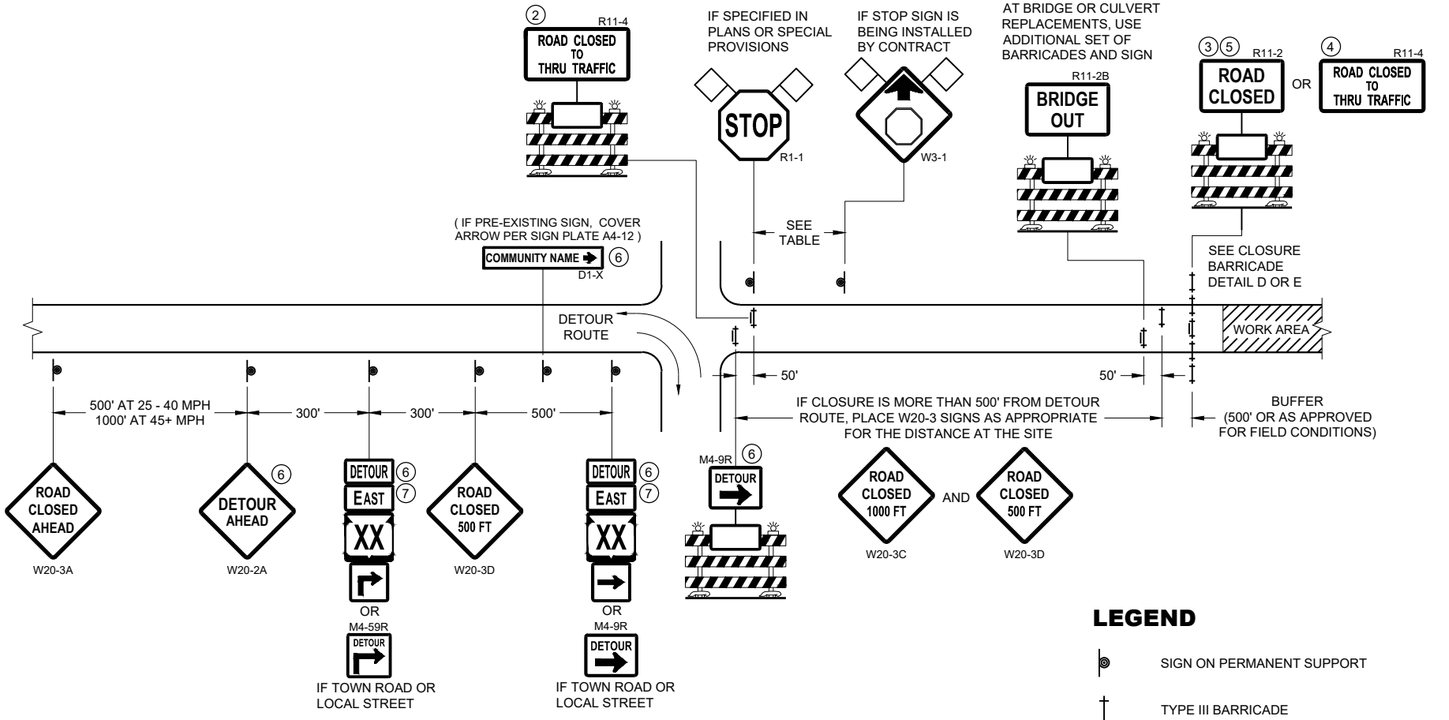
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



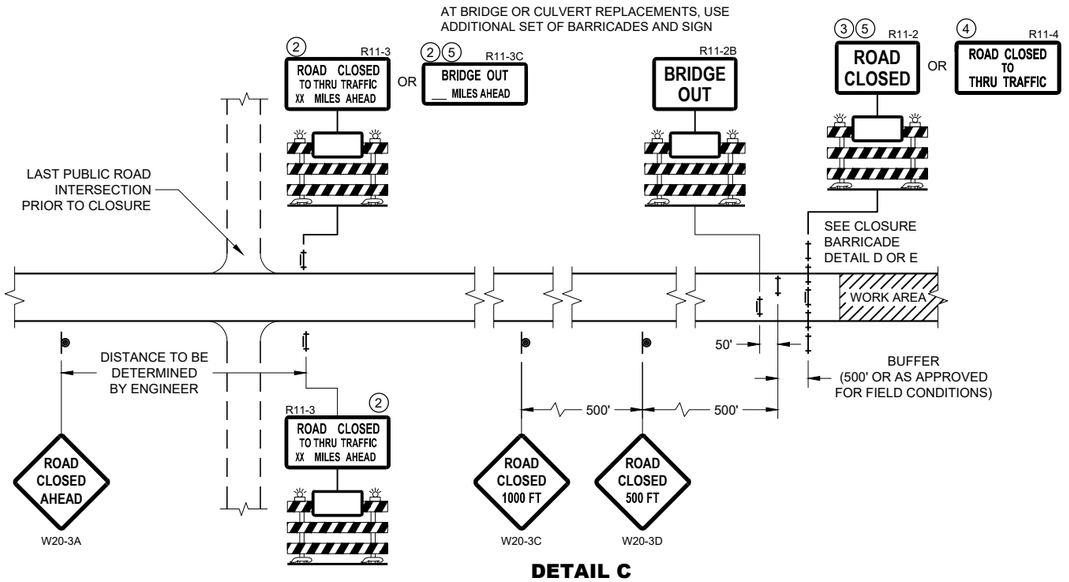
DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

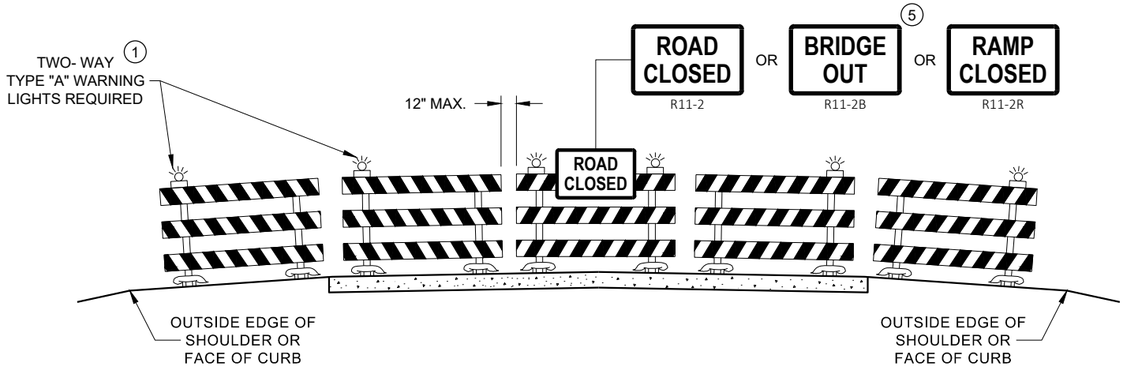
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

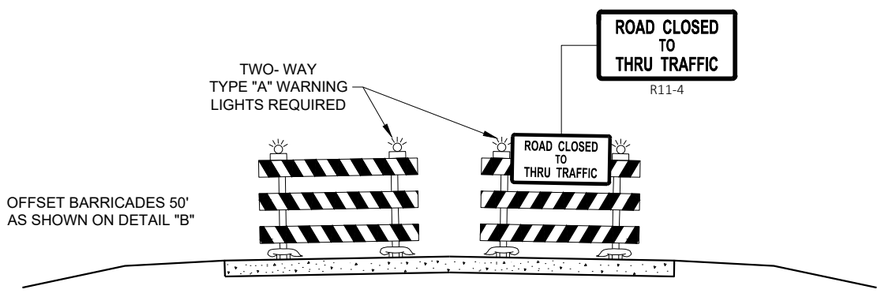
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER 727

FHWA

6
SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

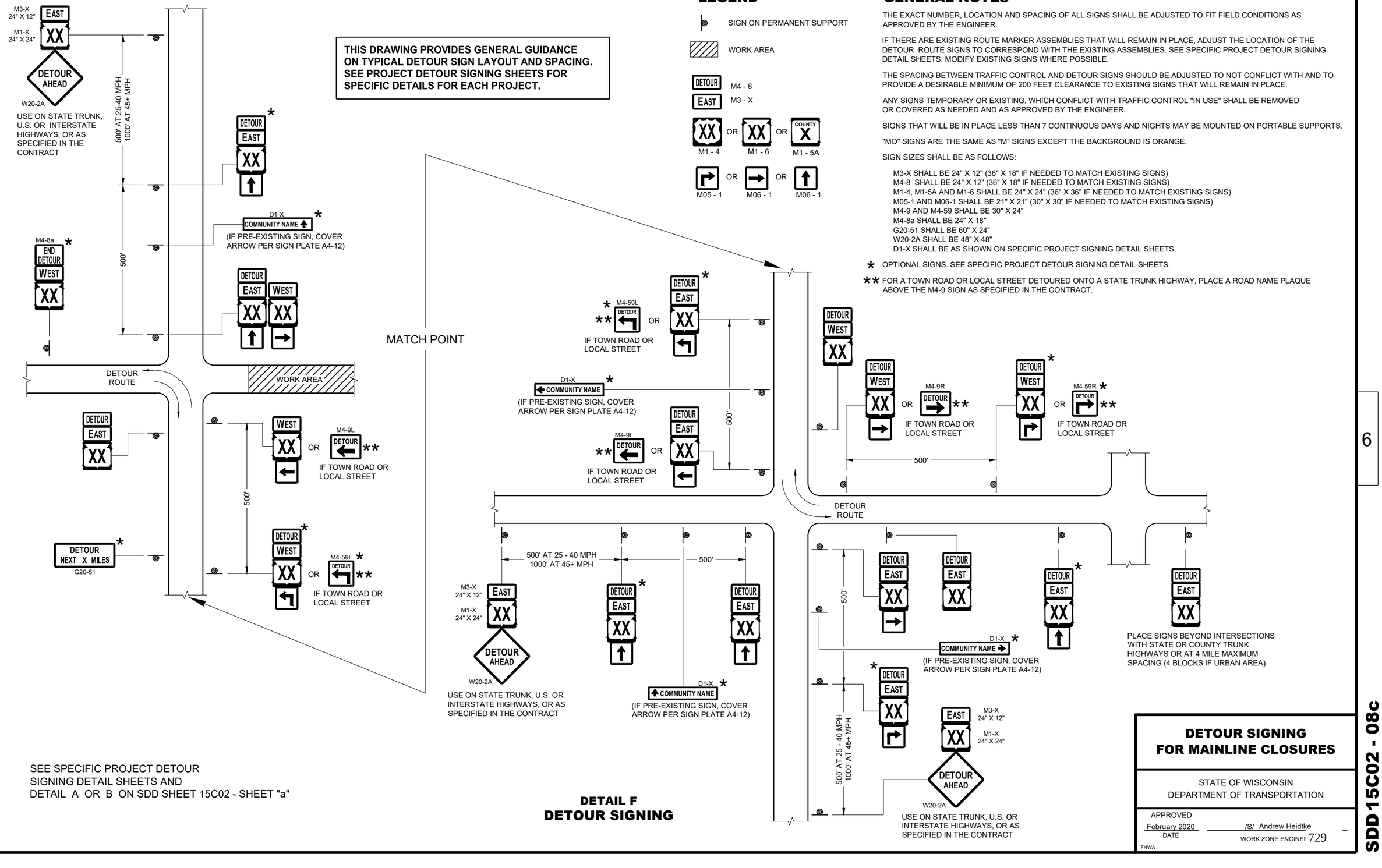
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
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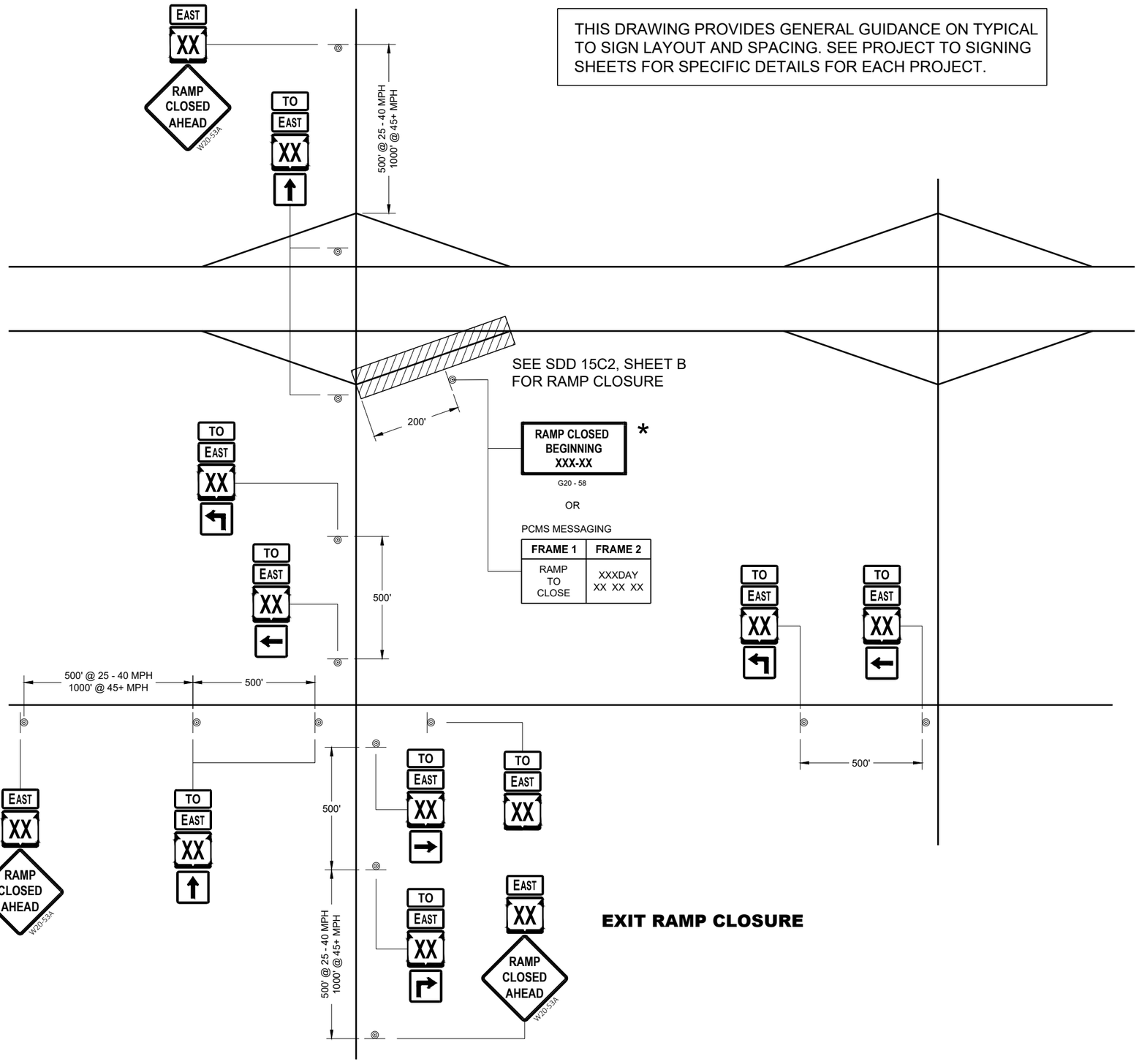
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C02 - 08c

SDD 15C02 - 08c

6



THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL TO SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

EXIT RAMP CLOSURE

LEGEND

SIGN ON PERMANENT SUPPORT

TO EAST — MO4 - 5, M3 - X

XX M1 - 6 OR XX M1 - 4 OR INTERSTATE XX M1 - 1

M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE TO ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND TO SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:
- M3 - X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 1, M1 - 4, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).
- W20 - 53A SHALL BE 48" X 48"

* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR LAYOUT.

ON RAMP LANE CLOSURE

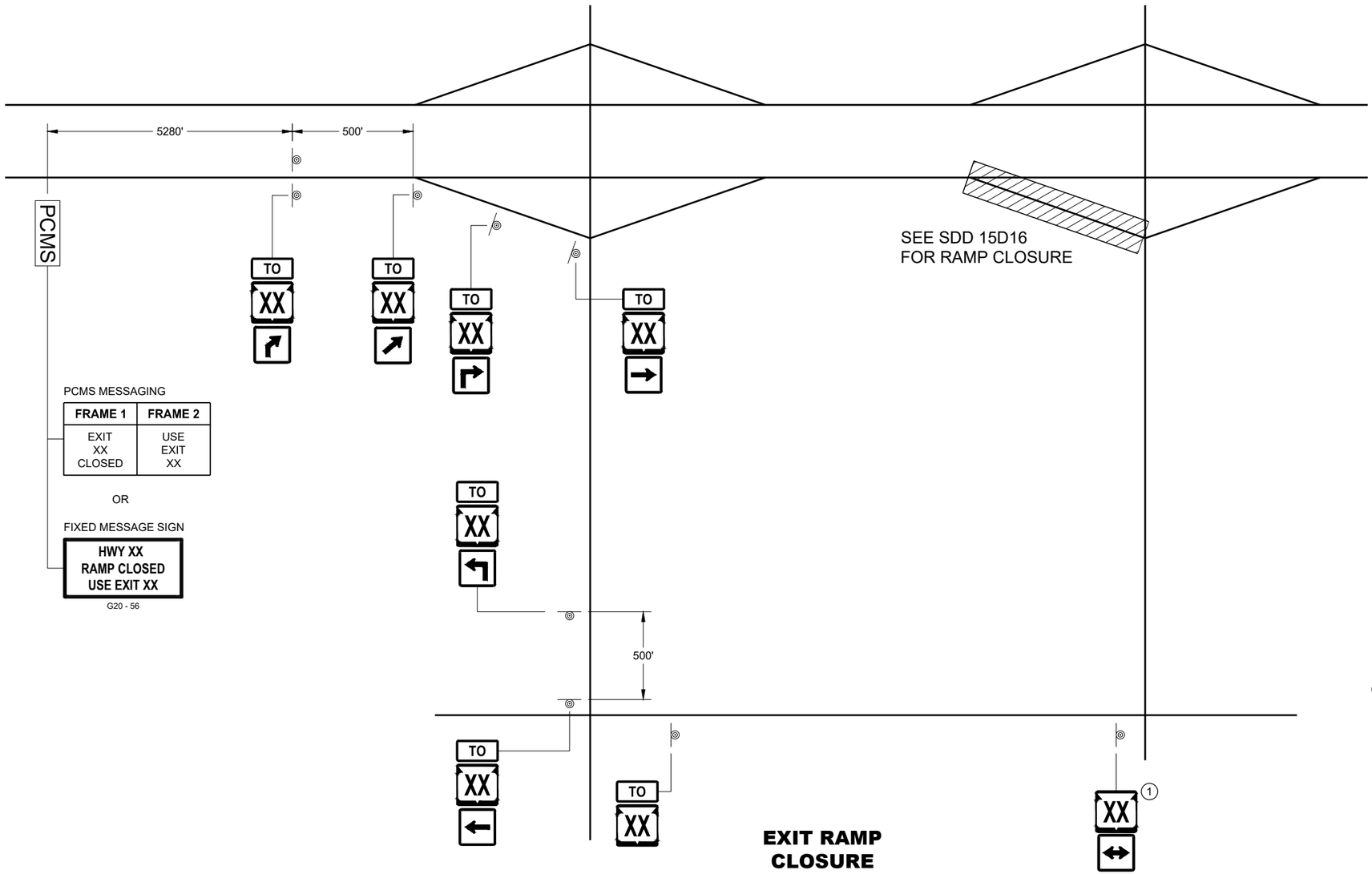
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 DATE
/S/ Andrew Heidtke WORK ZONE ENGINEER

FHWA

6
SDD 15C02 - 08d

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL "TO" MO-4 SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.



PCMS MESSAGING

FRAME 1	FRAME 2
EXIT XX CLOSED	USE EXIT XX

OR

FIXED MESSAGE SIGN

HWY XX
RAMP CLOSED
USE EXIT XX

G20 - 56

EXIT RAMP CLOSURE

LEGEND

SIGN ON PERMANENT SUPPORT

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TO MO4 - 5

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M05 - 2 OR M06 - 1 OR M06 - 2 OR M06 - 4

GENERAL NOTES

SEE SDD 15D16 "TRAFFIC CONTROL, EXIT RAMP CLOSURE" DETAIL FOR TRAFFIC CONTROL AT EXIT RAMP CLOSURE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE "TO" MO-4 ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND "TO" MO-4 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 4, M1 - 5A, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).

(1) ONLY ADD IF THERE ARE NO EXISTING ROUTE MARKERS FOR THE INTERSECTING ROADWAY.

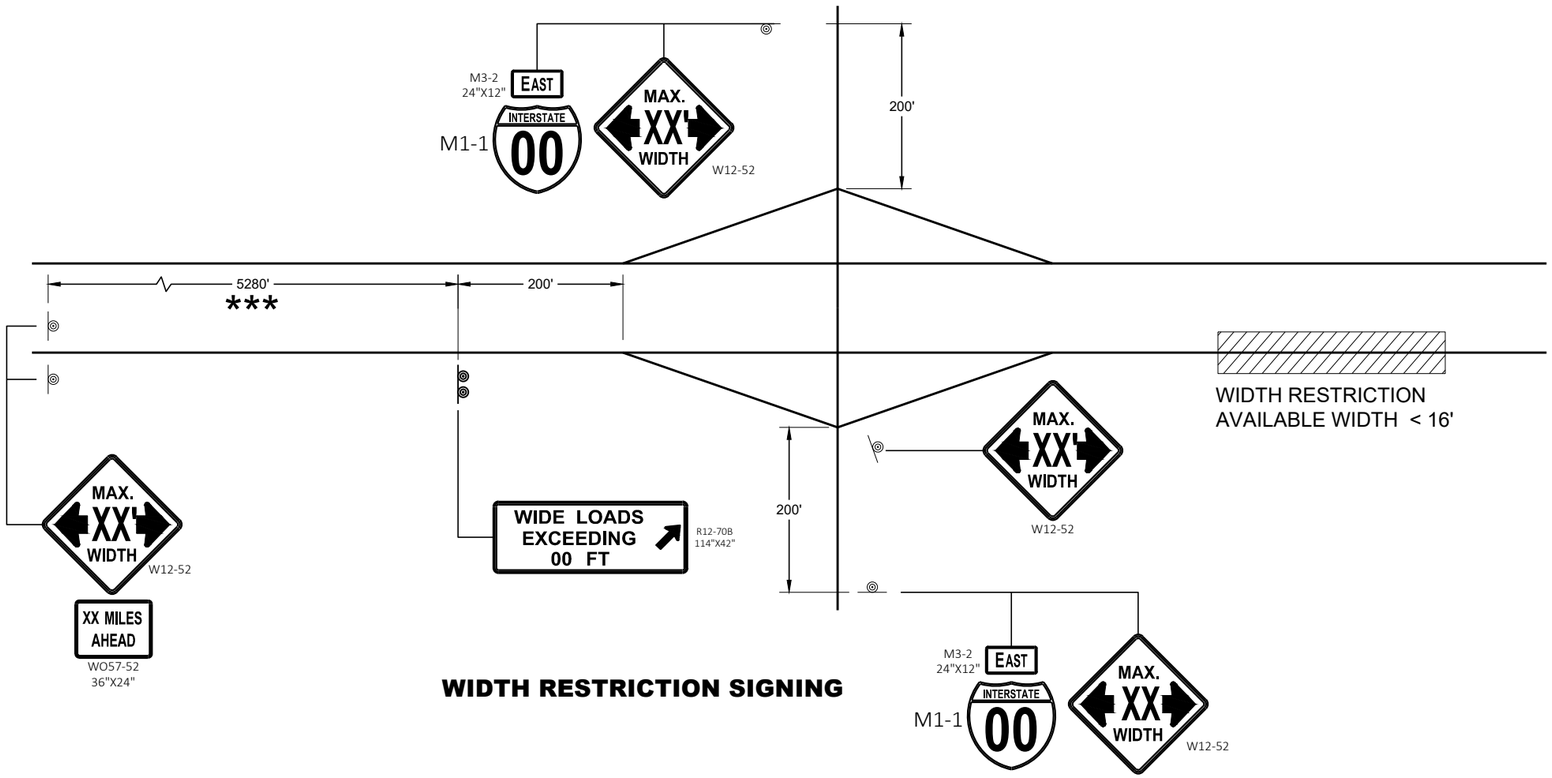
OFF RAMP LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 DATE
/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA

SDD 15C02 - 08e

SDD 15C02 - 08e



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

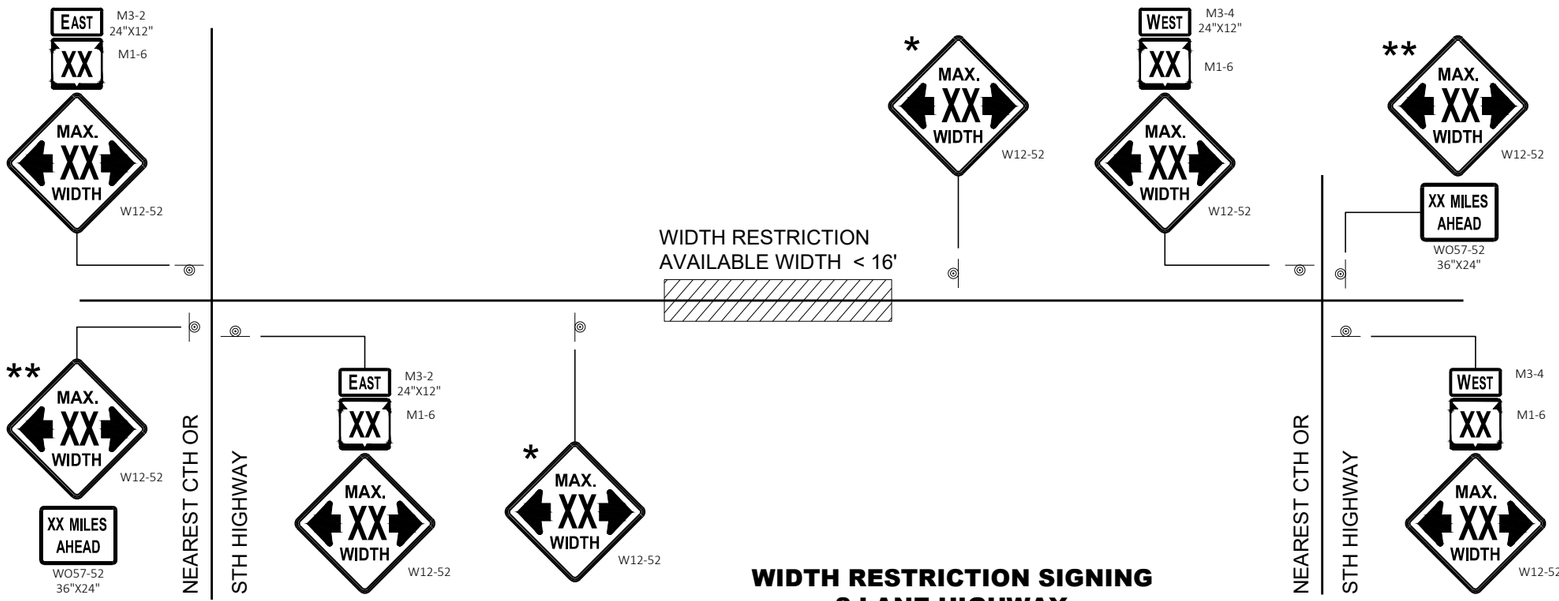
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

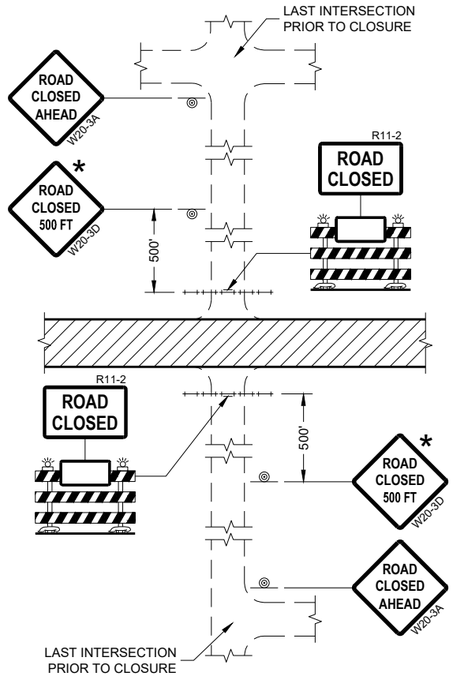
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

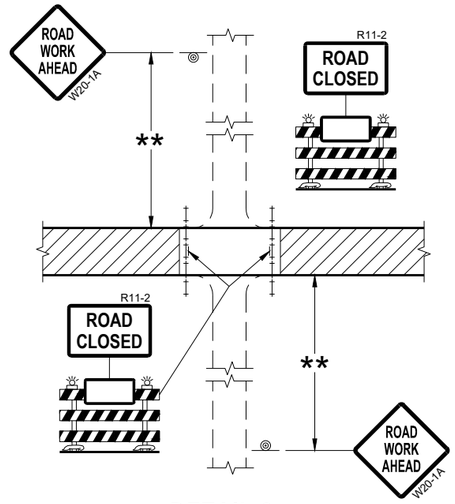
FHWA

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SDD 15C02 - 08f



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

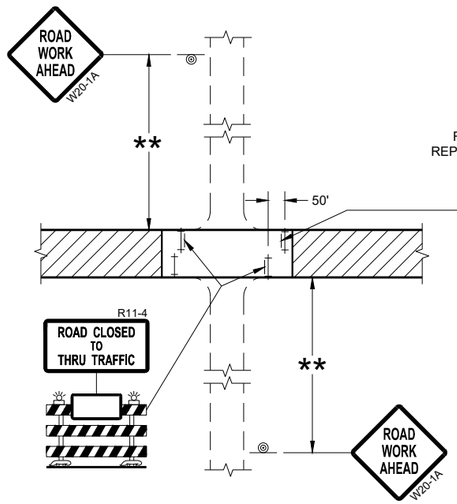
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

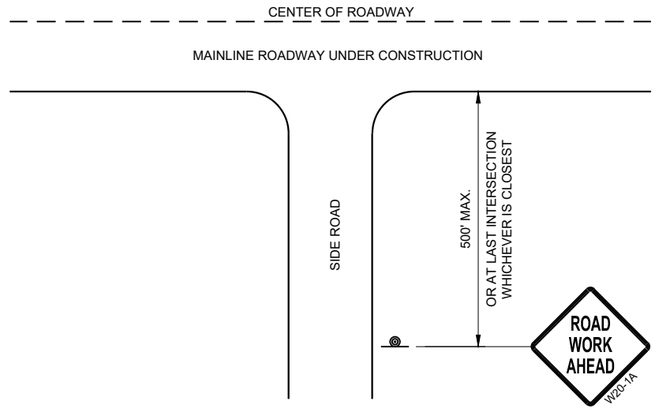
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

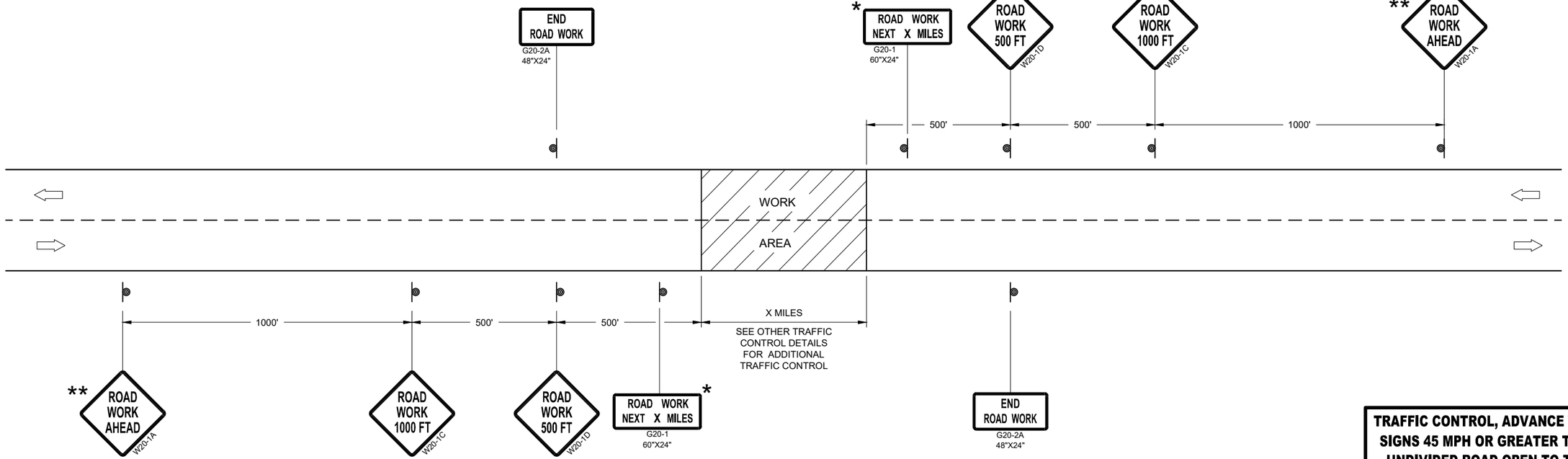
** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 734

FHWA

6

SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

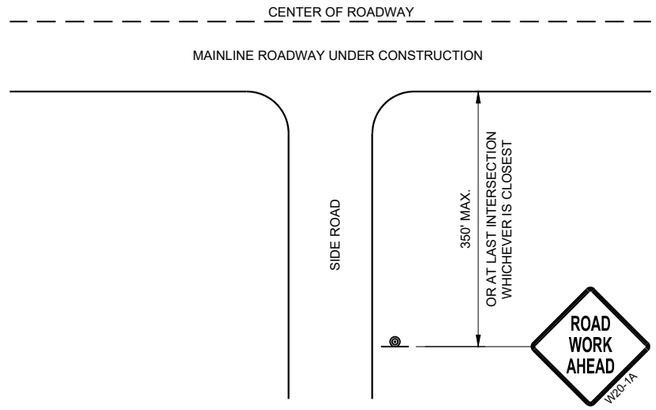
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



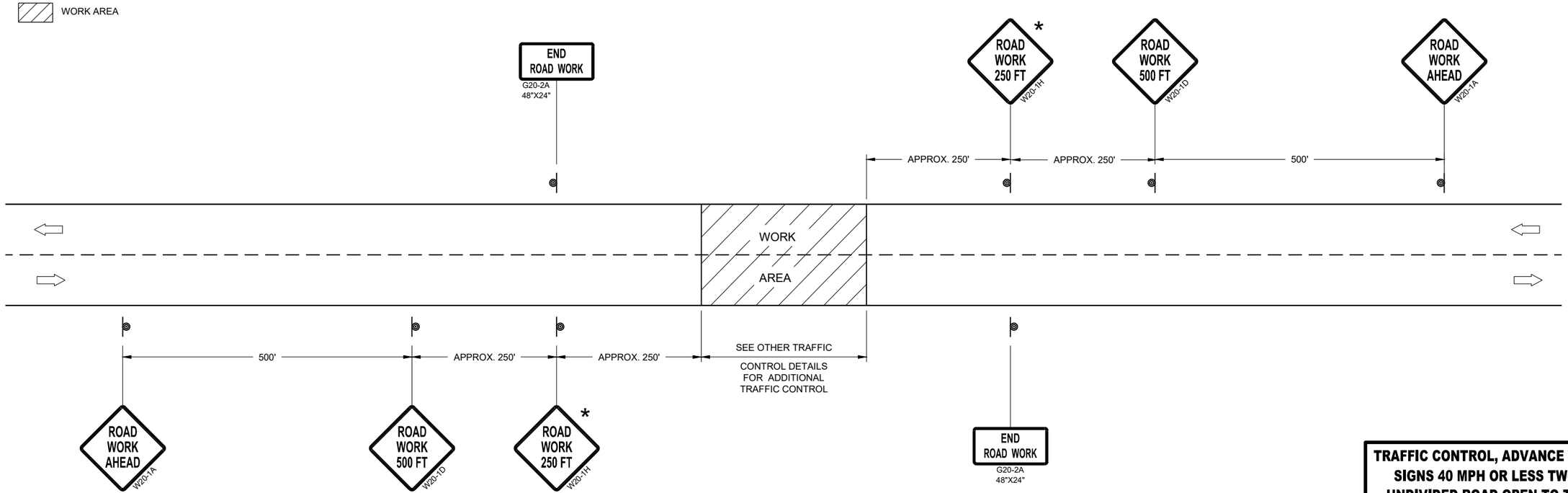
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 735

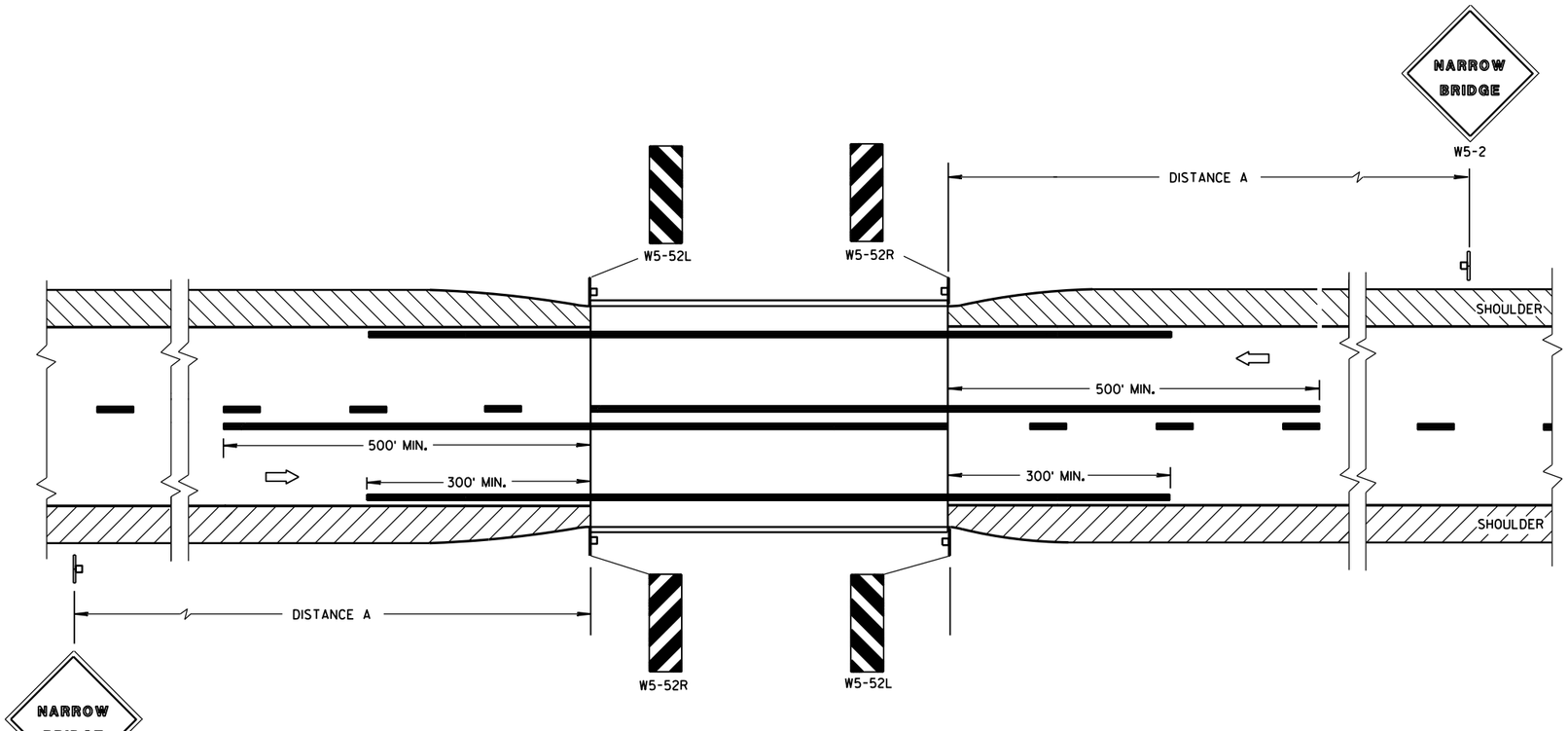
FHWA

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SDD 15C05 - 05

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SDD 15C05 - 05



SITUATION 1

WARRANTING CRITERIA:
BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	750'

GENERAL NOTES

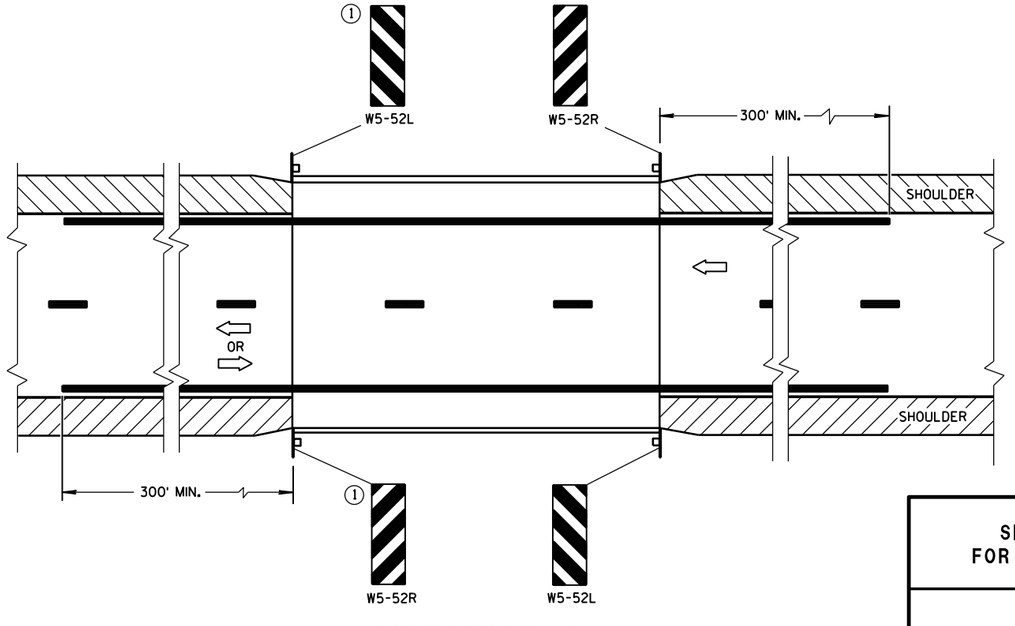
DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

(1) OMIT ON ONE-WAY TRAVELLED WAYS.

⇨ DIRECTION OF TRAFFIC



SITUATION 2

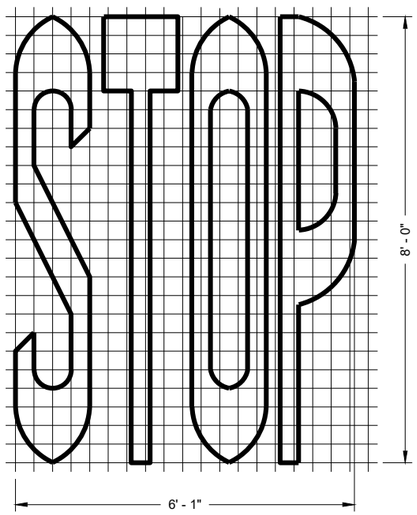
WARRANTING CRITERIA:

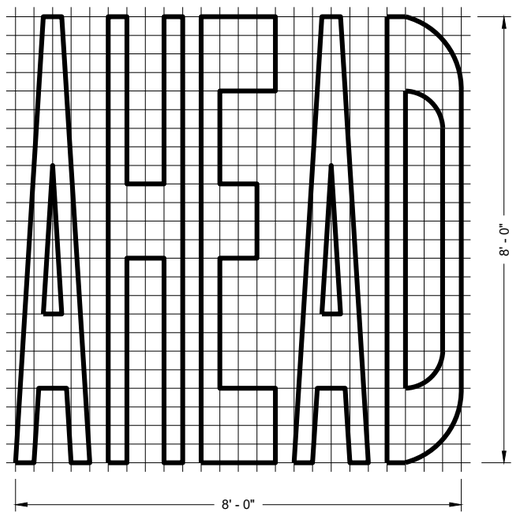
1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET.

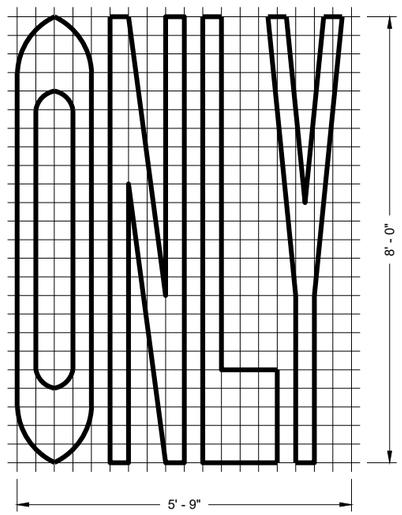
SIGNING & MARKING FOR TWO LANE BRIDGES

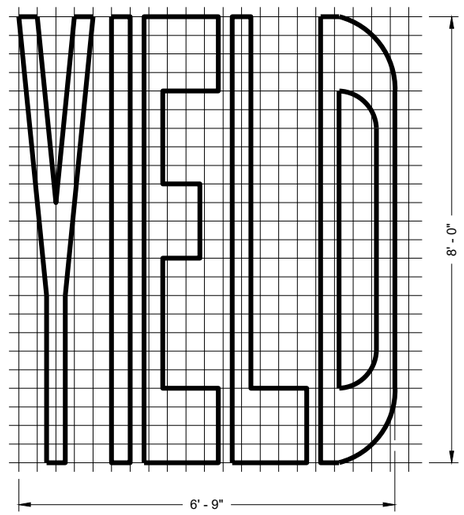
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

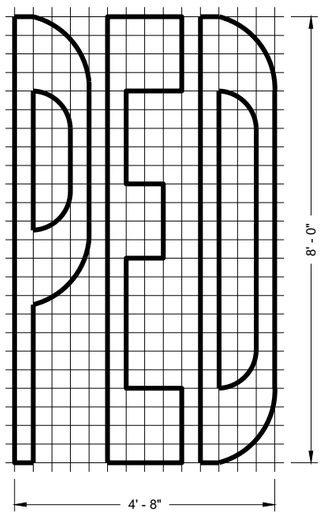
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MAR 736 ...EER
FHWA

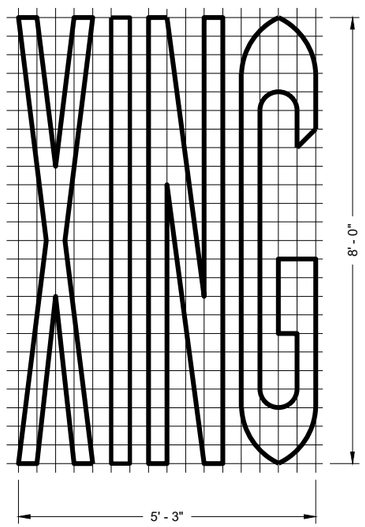


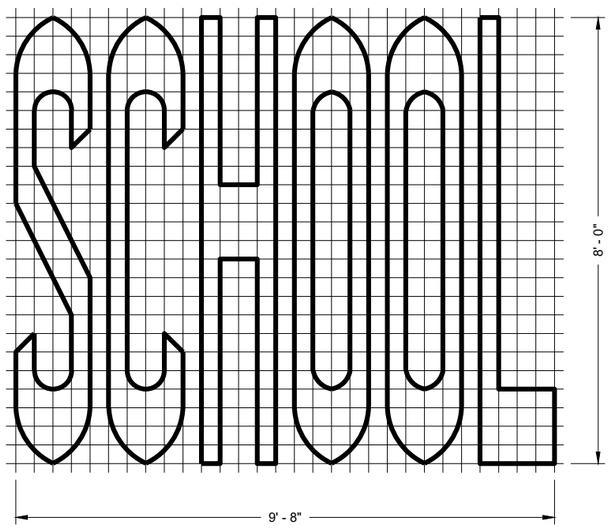




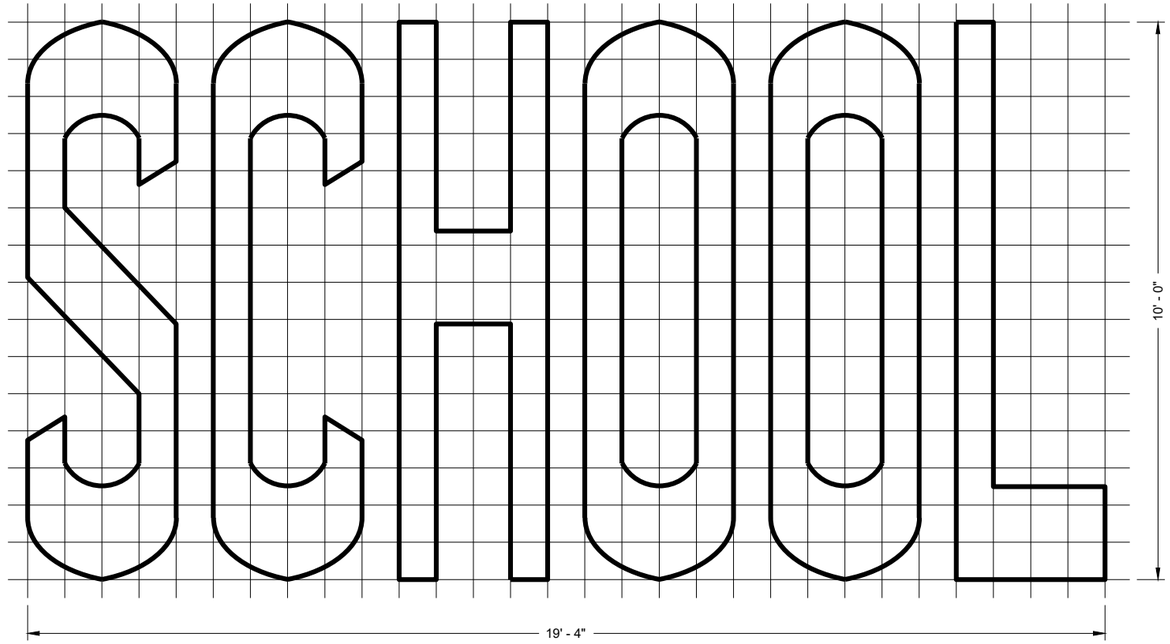








SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

737

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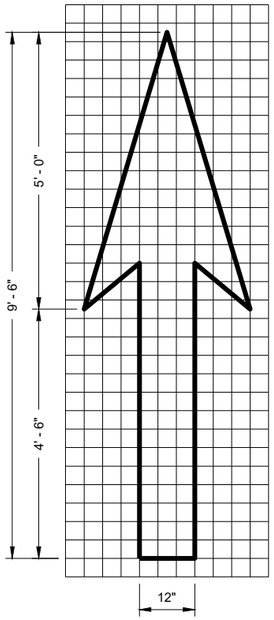
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SDD 15C07 - 15b

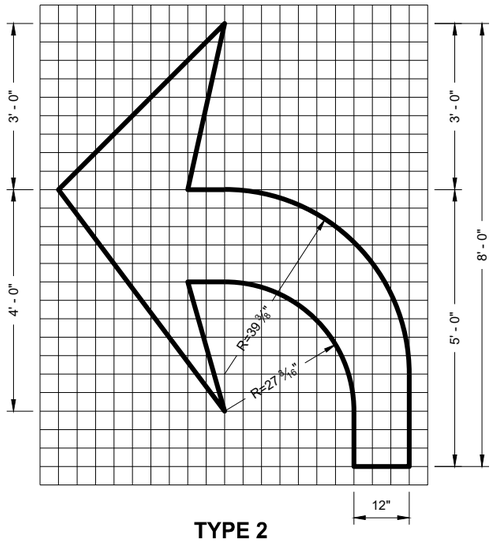
SDD 15C07 - 15b

GENERAL NOTES

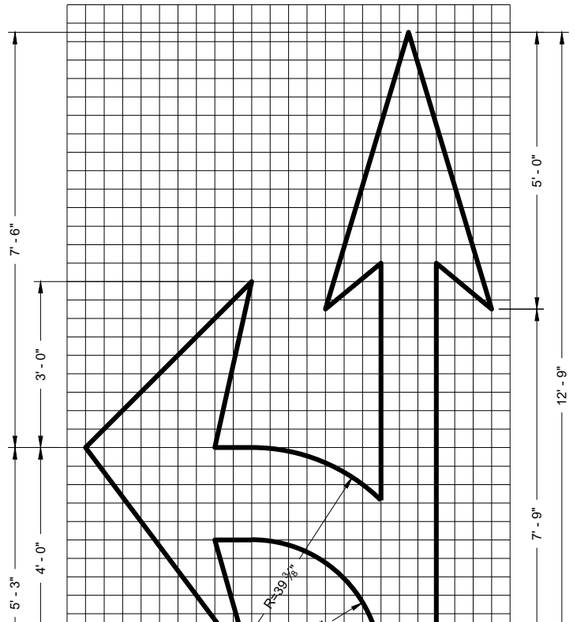
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



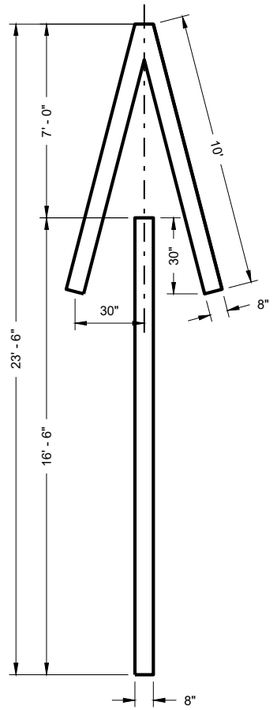
TYPE 1



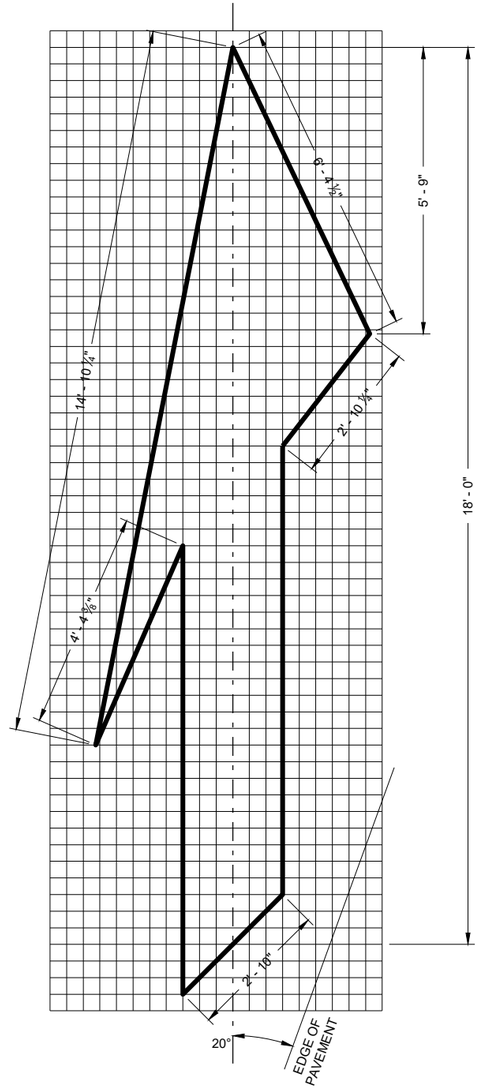
TYPE 2



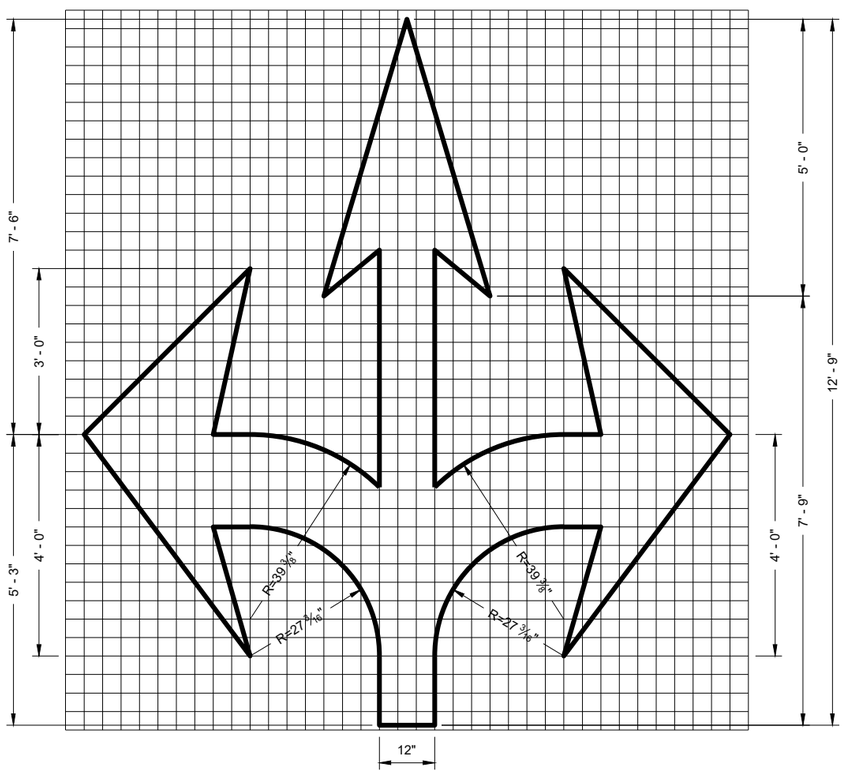
TYPE 3



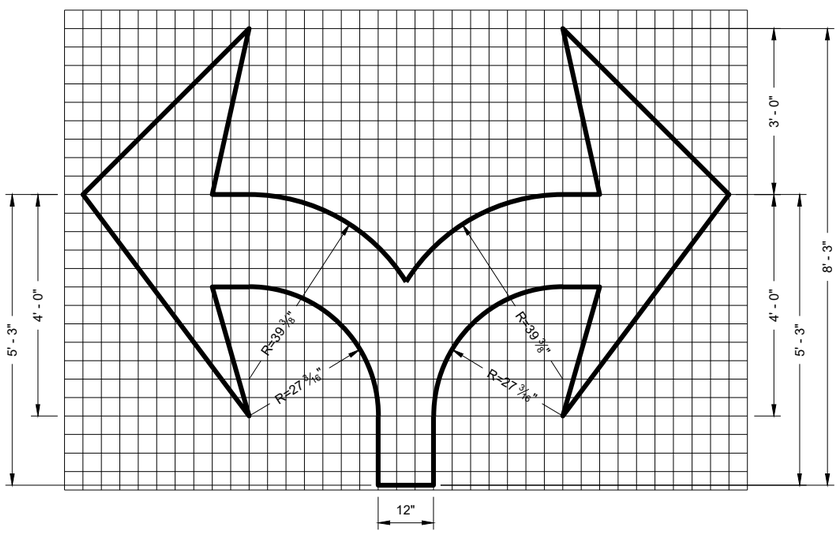
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

738

FHWA

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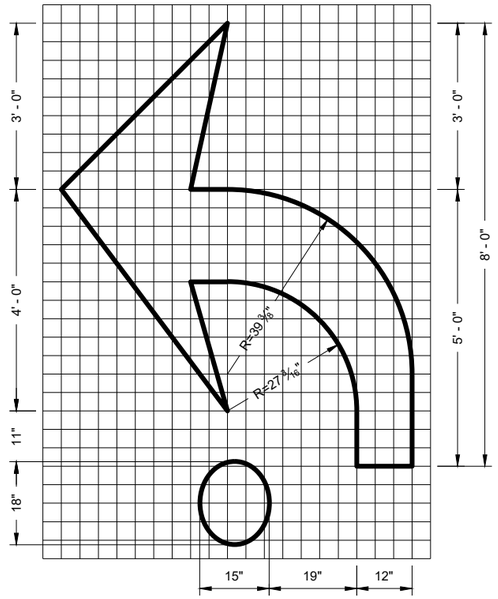
SDD 15C07 - 15c

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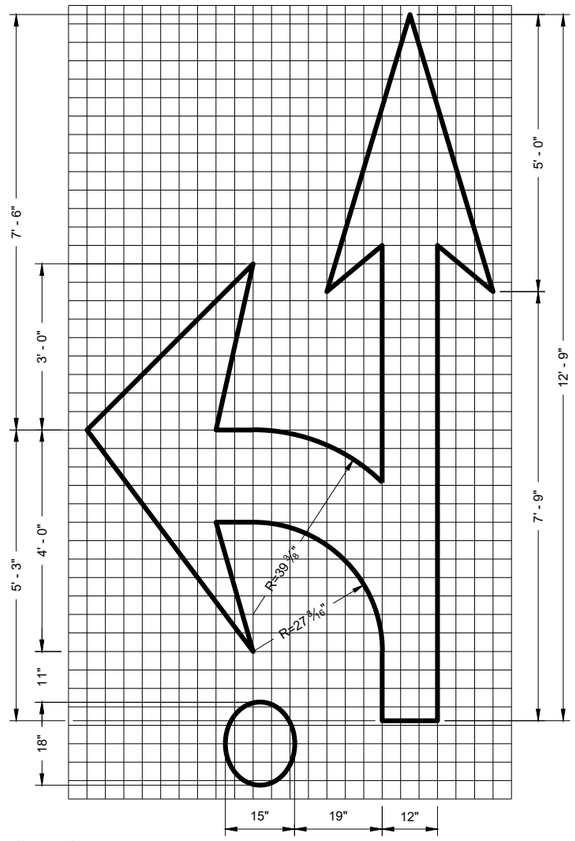
SDD 15C07 - 15c

GENERAL NOTES

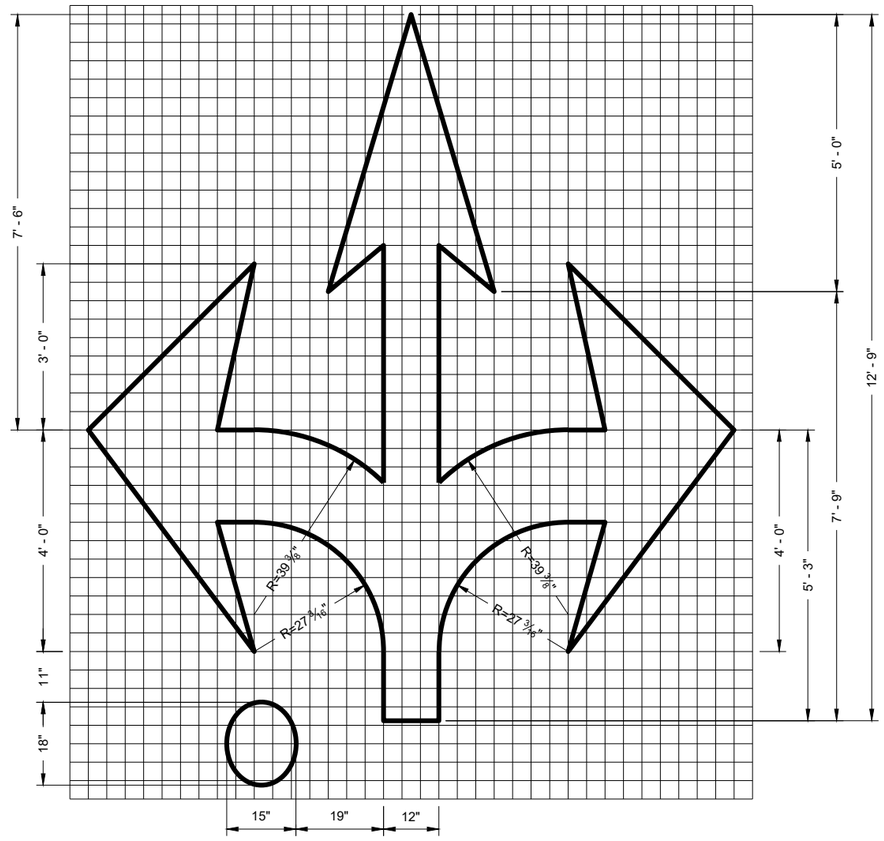
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



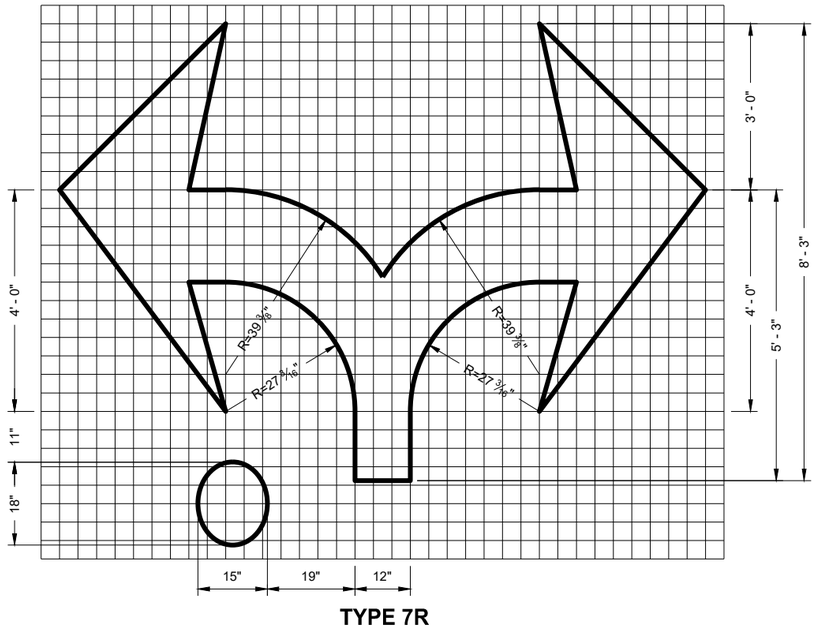
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

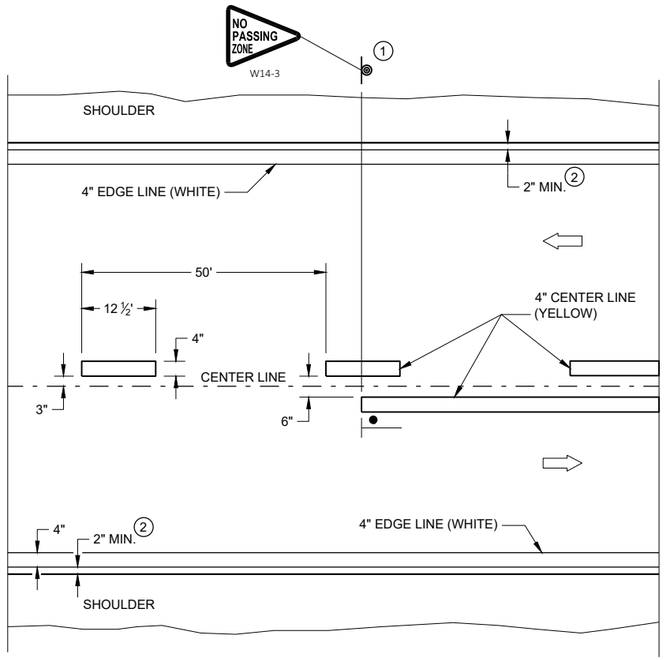
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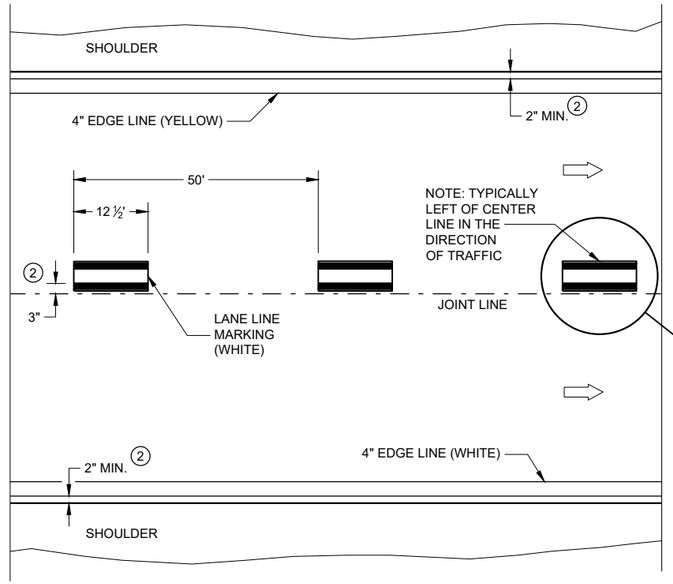
SDD 15C07 - 15d

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SDD15C07 - 15d

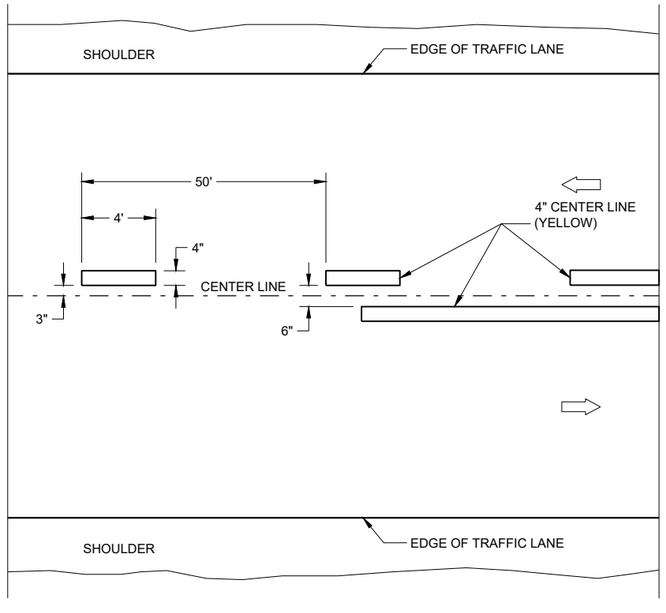


TWO WAY TRAFFIC

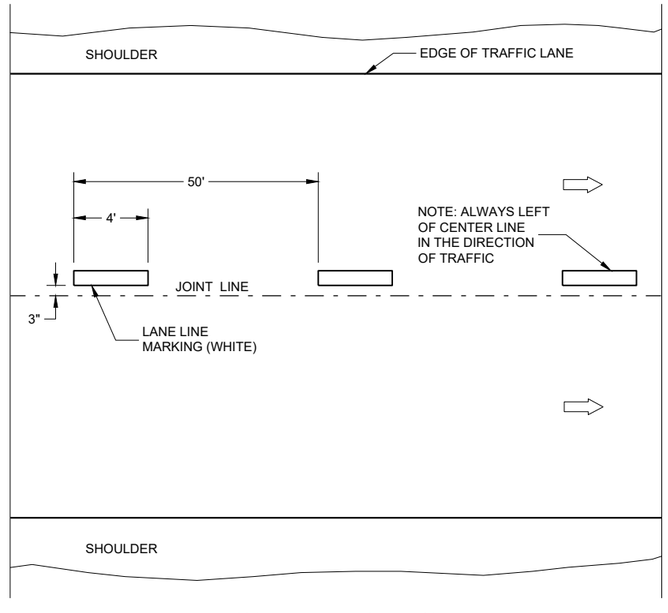


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

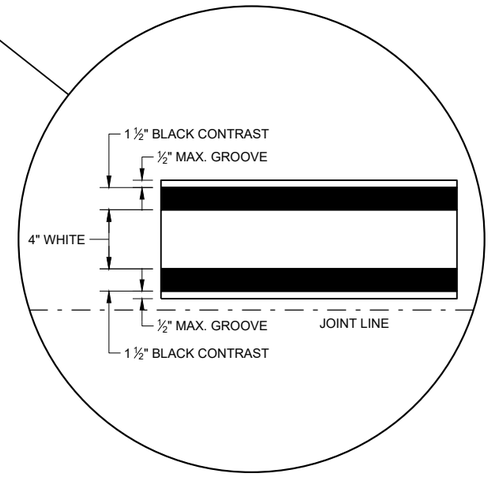
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

FHWA

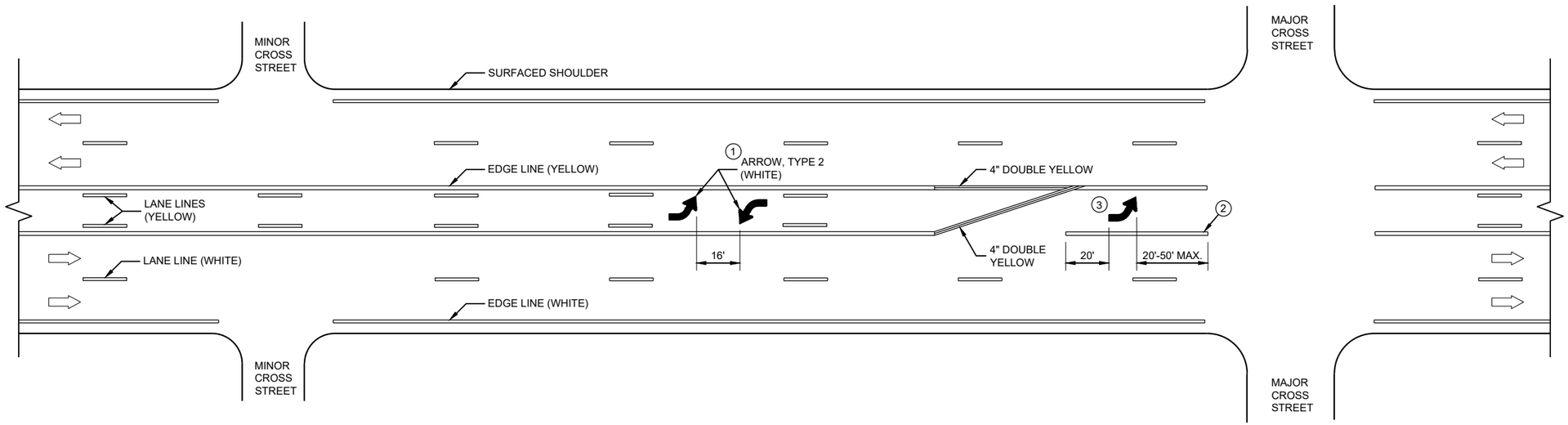
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

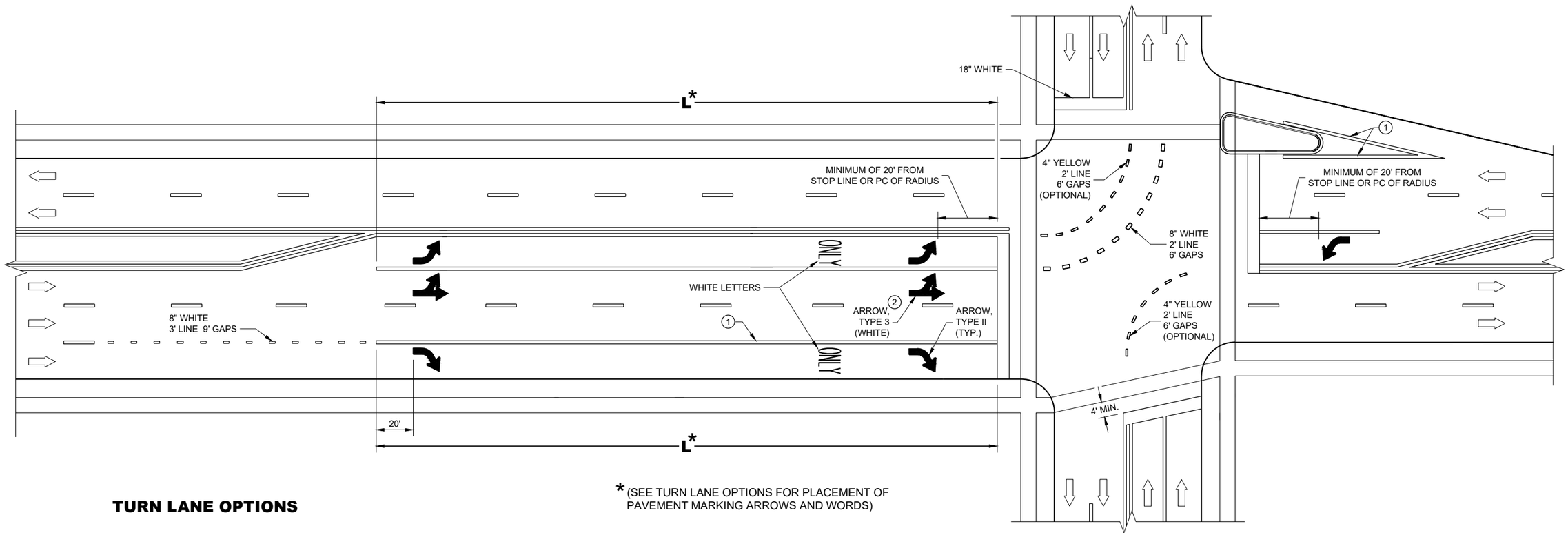
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SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

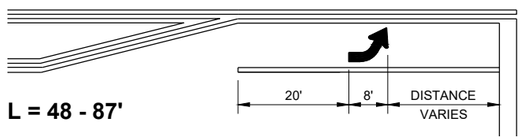
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



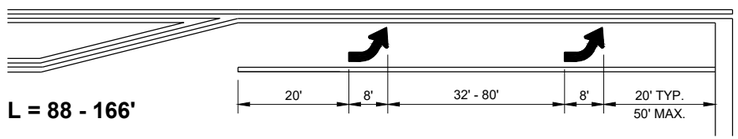
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

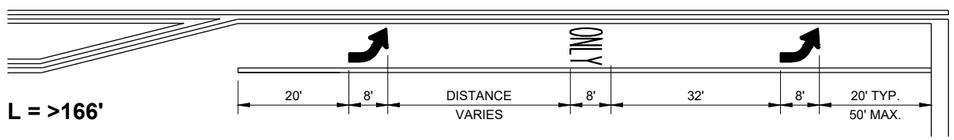
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

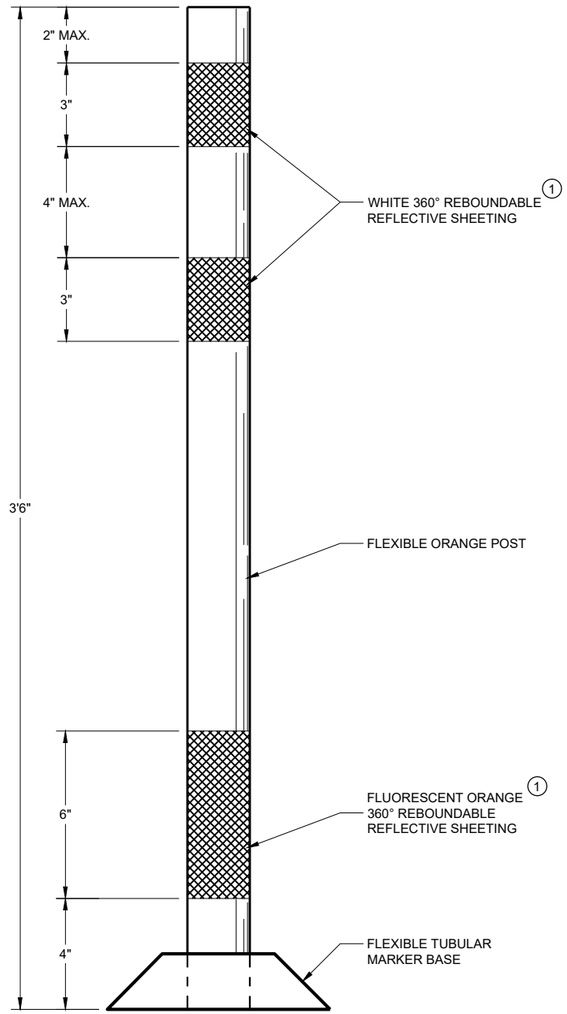
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20c



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

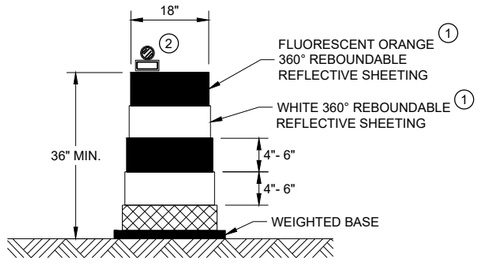
STATE OF WISCONSIN
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APPROVED
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

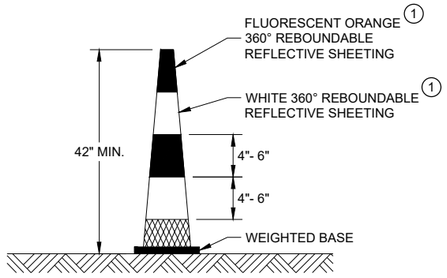
SDD 15C11 - 09a

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

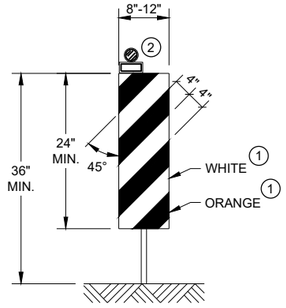


DRUM



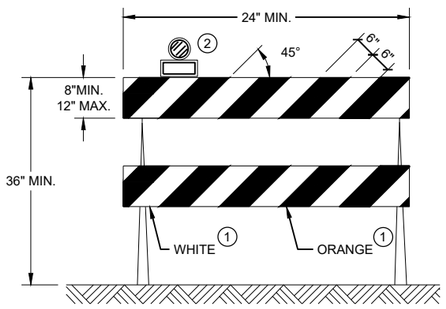
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



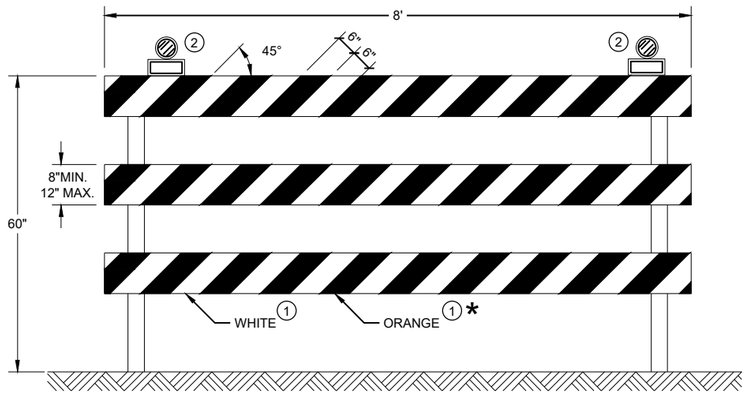
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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May 2021
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SDD 15C11 - 09b

LEGEND

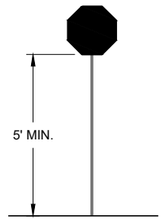
SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



STOP/SLOW PADDLE ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

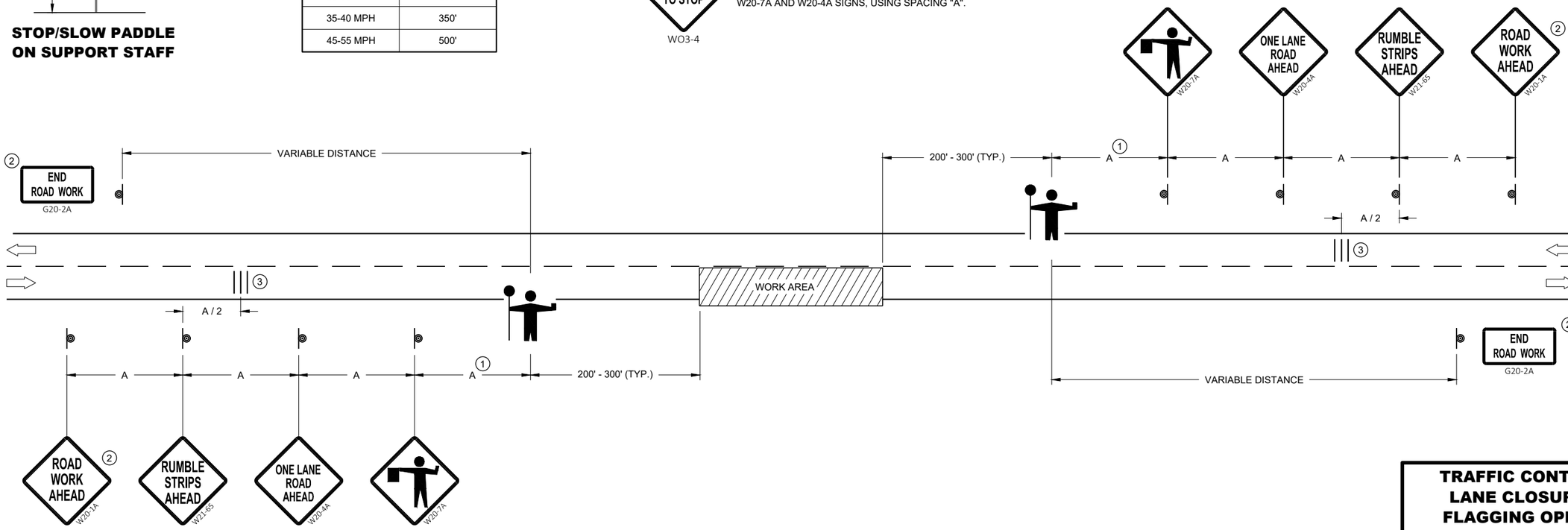
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

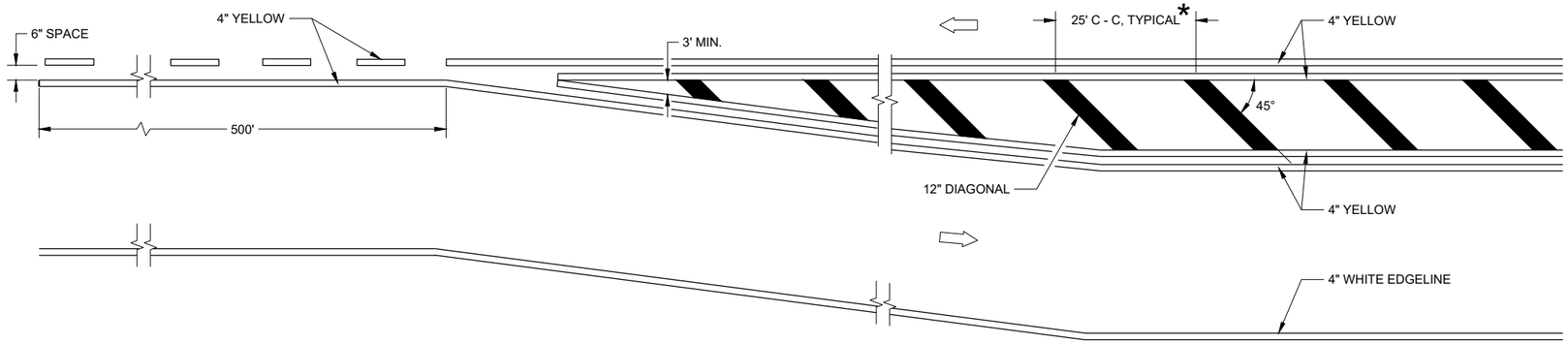
APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 745

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SDD 15C12 - 07

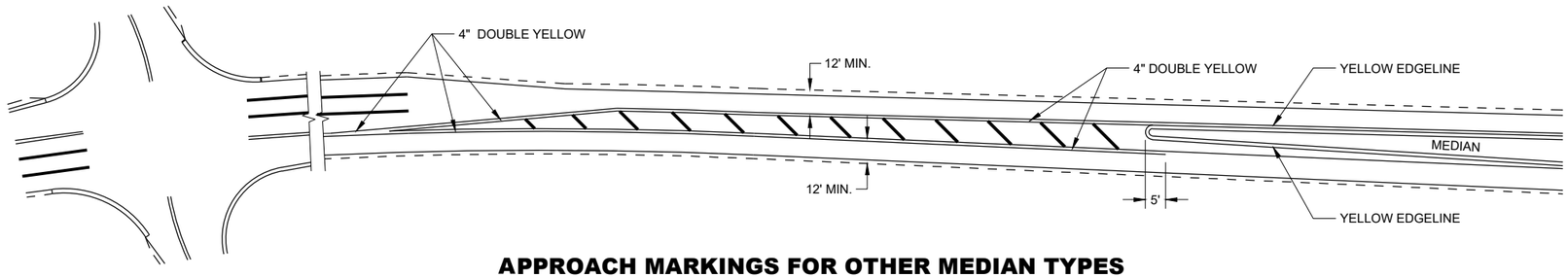


MEDIAN ISLAND DETAIL

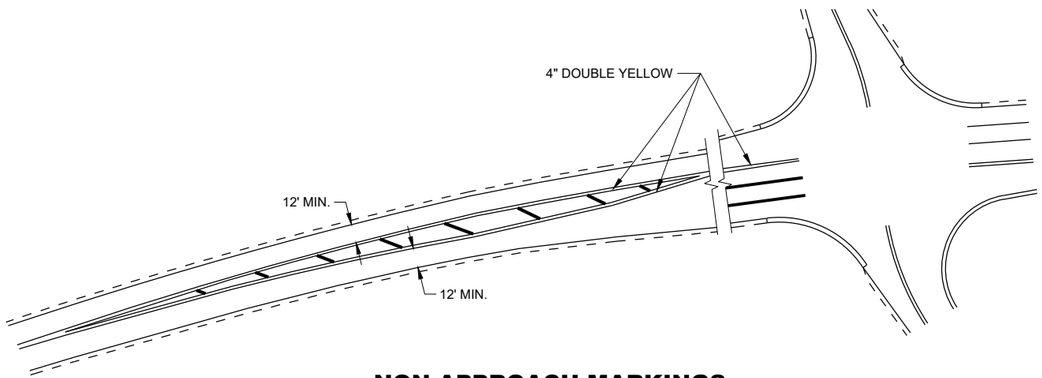
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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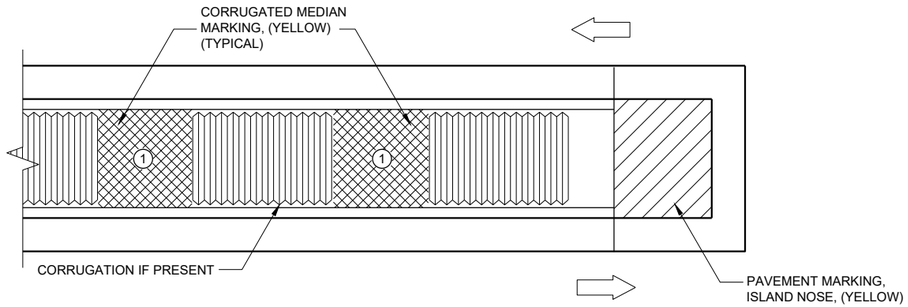
February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

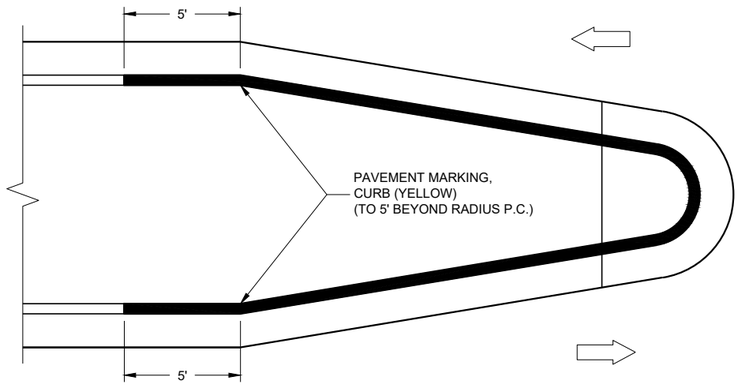
FHWA

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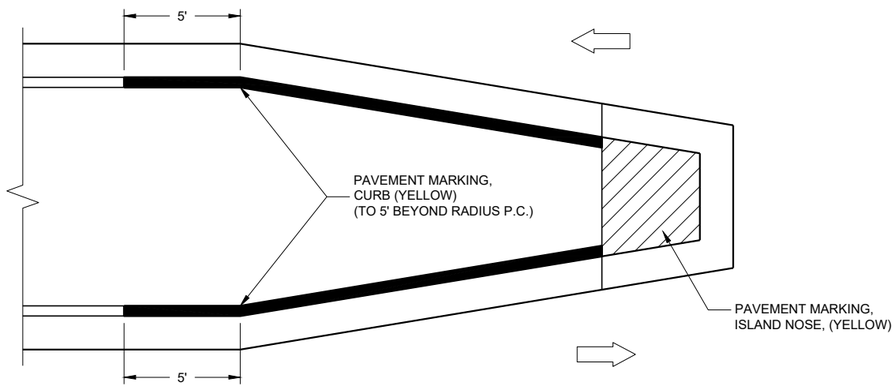
SDD 15C18 - 05a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

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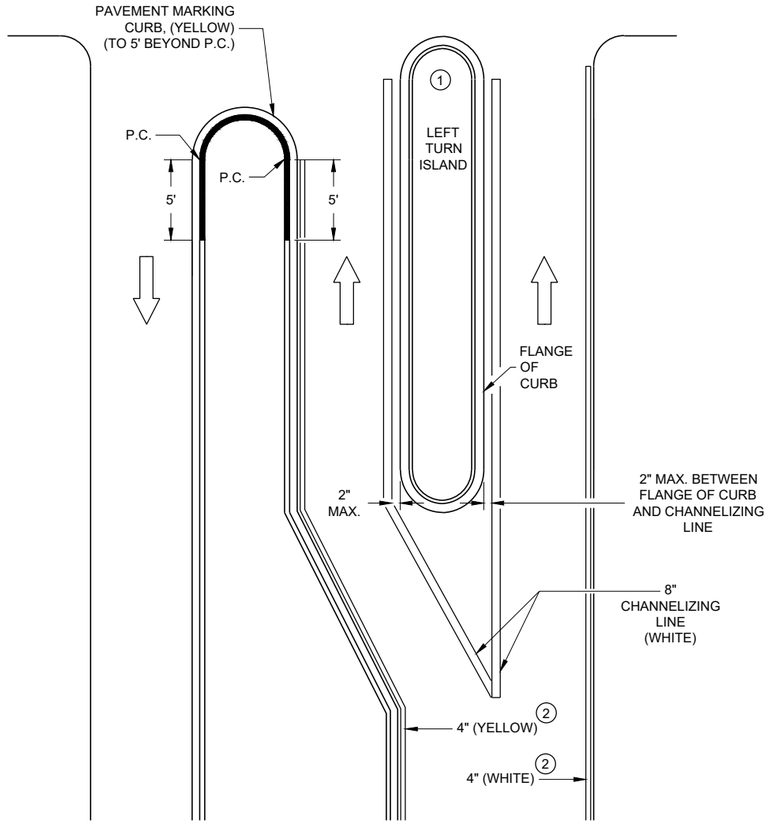
6

SDD 15C18 - 05b

6

SDD15C18 - 05b

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

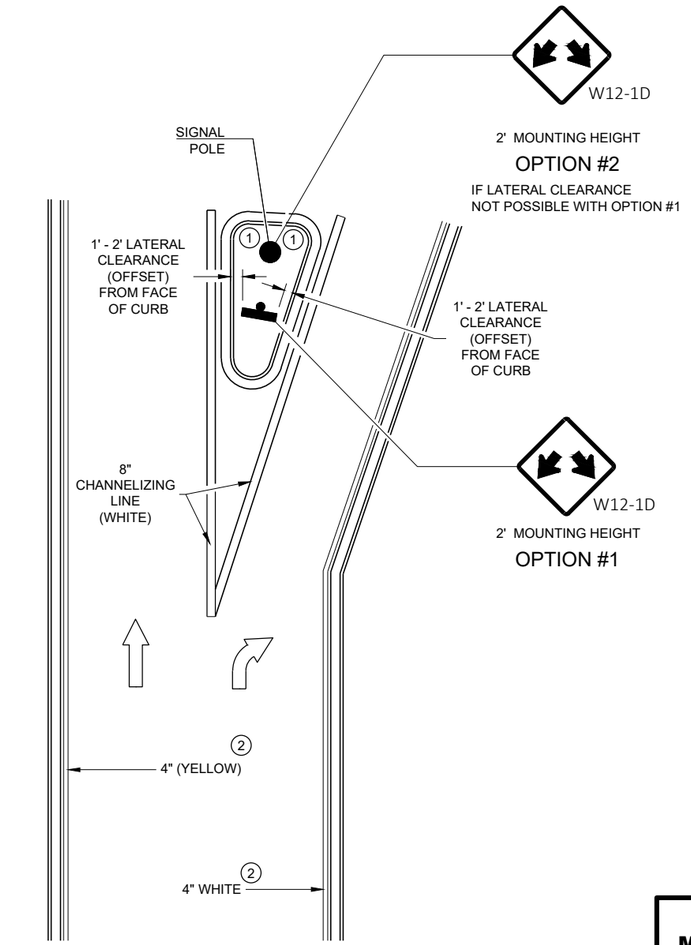
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

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SDD 15C18 - 05c

6

SDD 15C18 - 05c

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

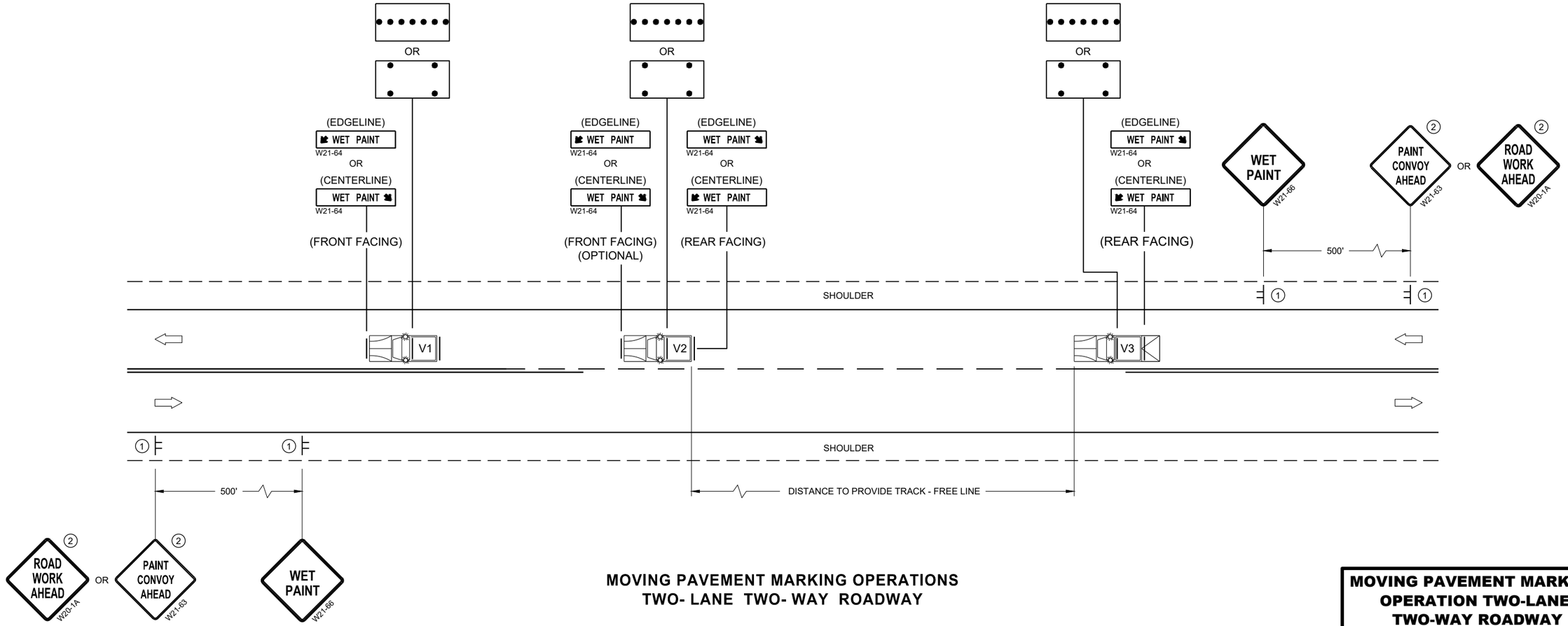
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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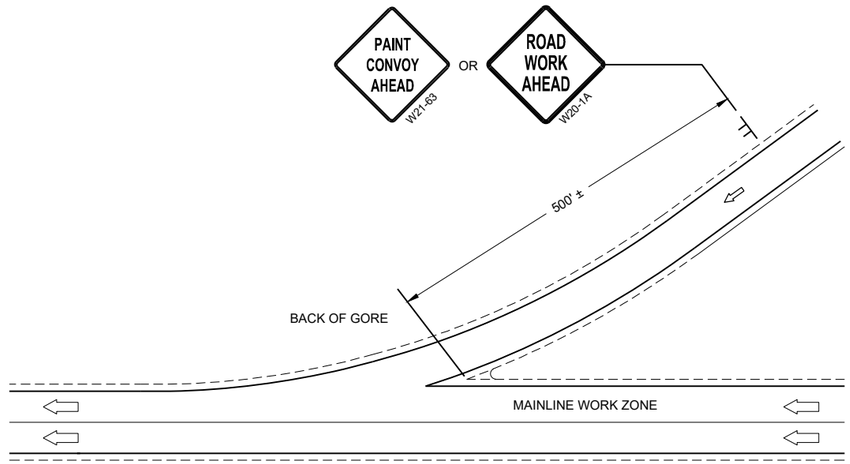
SDD 15C19 - 06a

6

SDD 15C19 - 06a

LEGEND

- V1 MARKING VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE
- TRUCK MOUNTED ATTENUATOR (TMA)
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW PANEL (MERGE)
- FLASHING ARROW PANEL (CAUTION)



GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

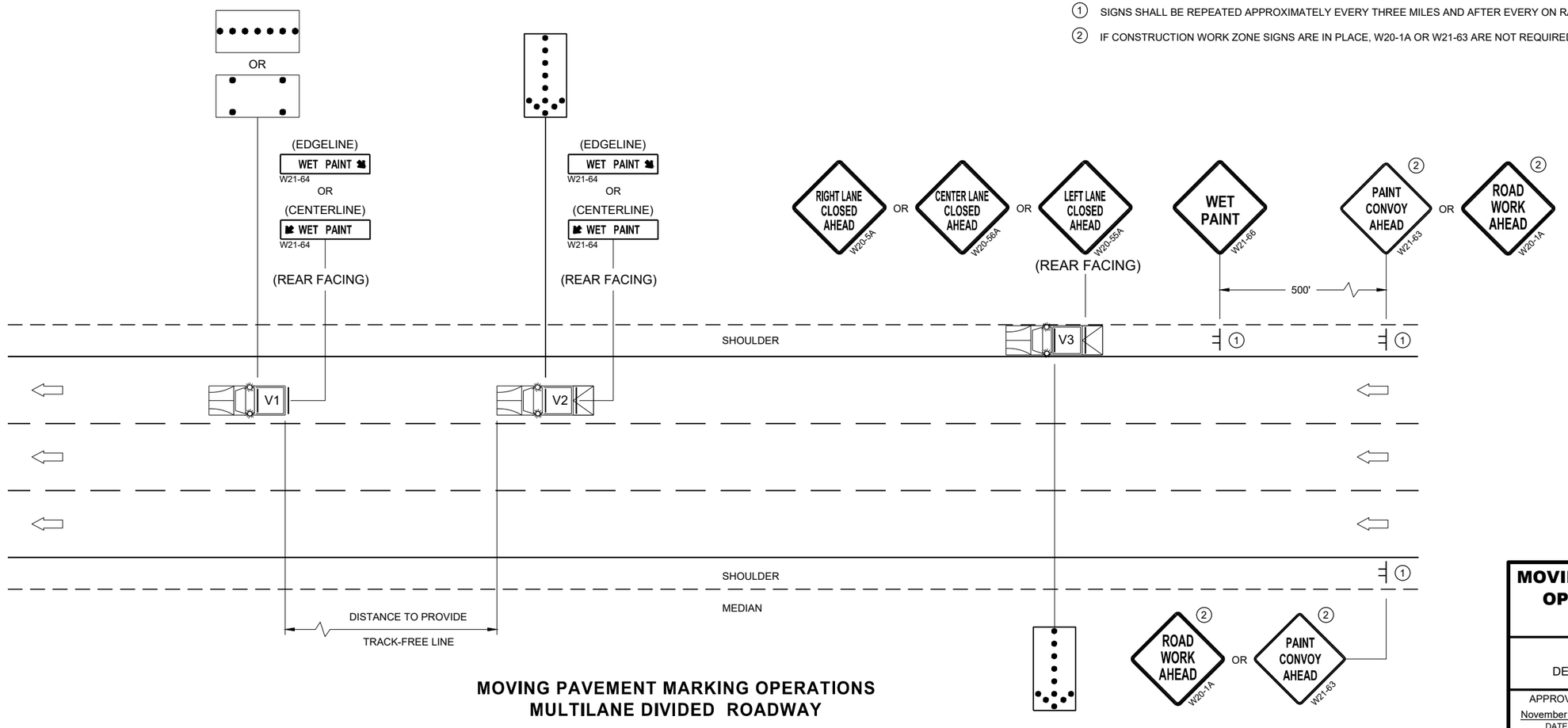
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM HEIGHT OF 18" FOR WET PAVEMENT MARKINGS

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

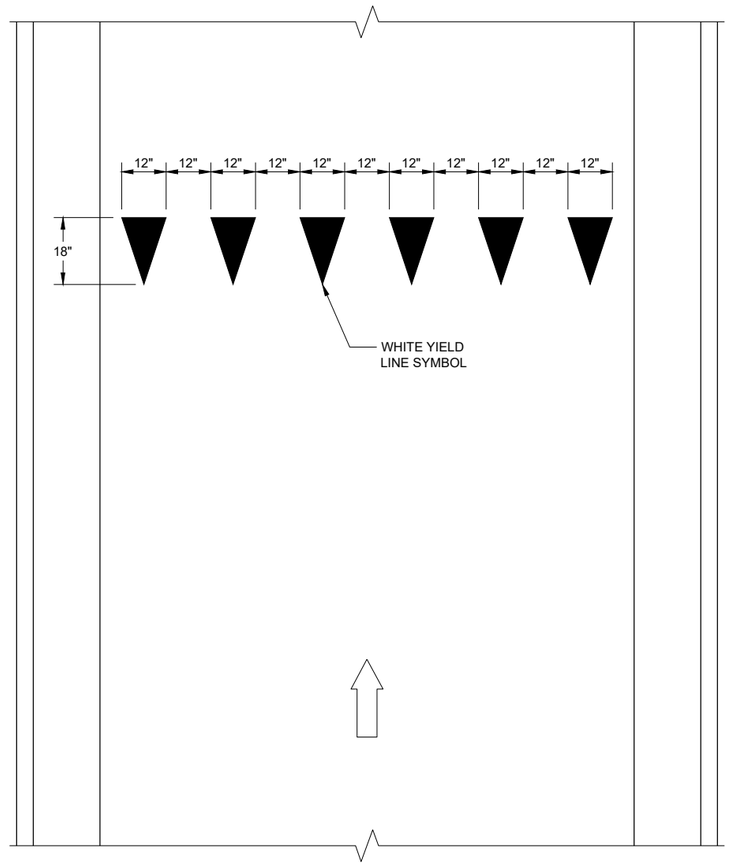
APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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SDD 15C19 - 06c

SDD 15C19 - 06c

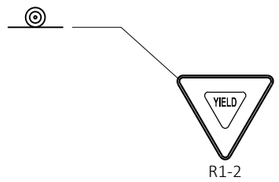


YIELD LINE

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



R1-2

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-81-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

FHWA

6

SDD 15C20 - 02

SDD 15C20 - 02

GENERAL NOTES

SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

(1) USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

* SIGNS MAY BE OMITTED IF SPACE DOES NOT PERMIT PLACEMENT.

** IF POSTED SPEED IS 45 MPH OR GREATER, PLACE W5-54 SIGN UNDER R4-7 SIGN. MOUNT W5-54 SIGN AT 4' MOUNTING HEIGHT (TOP OF ROADWAY TO BOTTOM OF SIGN).

LEGEND

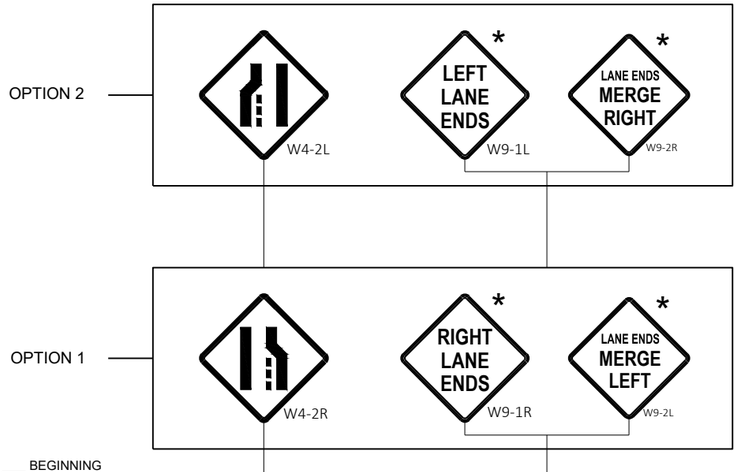
A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

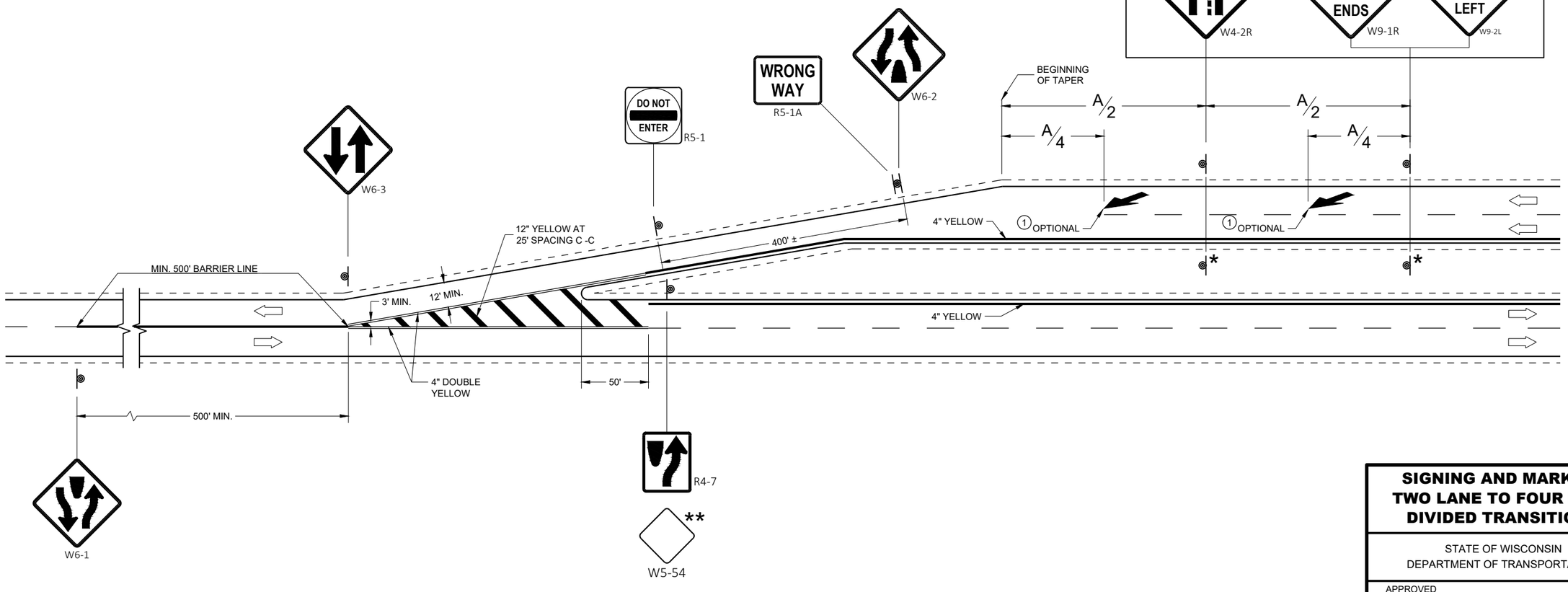
SIGN MOUNTED ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	325'
30	460'
35	565'
40	670'
45	775'
50	885'
55	990'
65	1200'
70	1250'





SIGNING AND MARKING TWO LANE TO FOUR LANE DIVIDED TRANSITIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C21 - 10

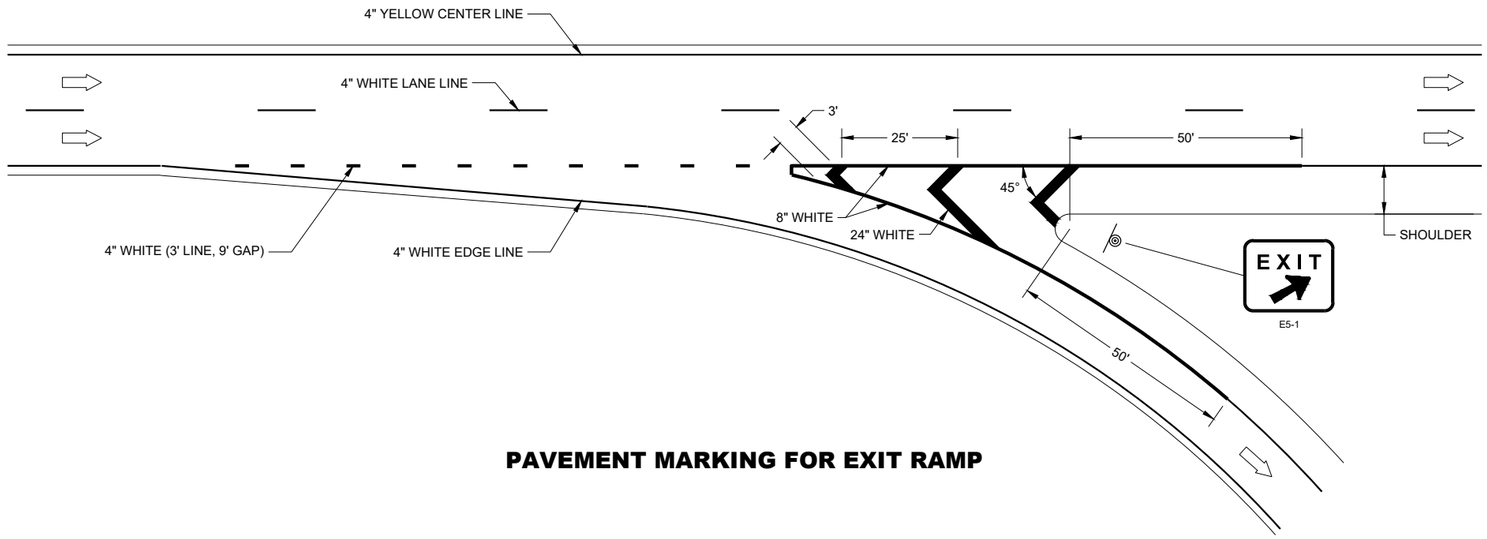
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

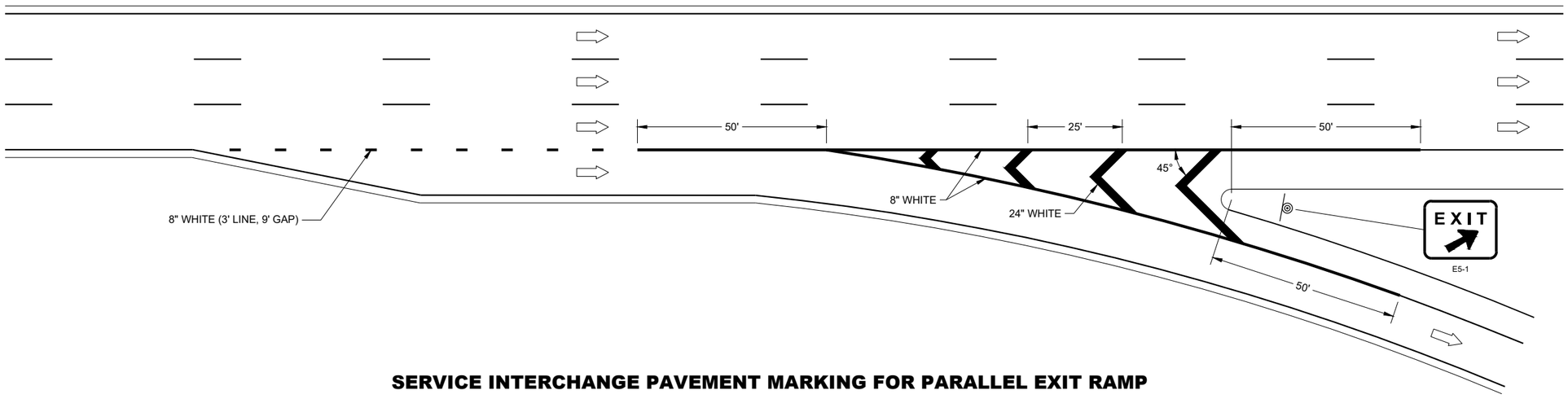
LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



PAVEMENT MARKING FOR EXIT RAMP



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT RAMP

6

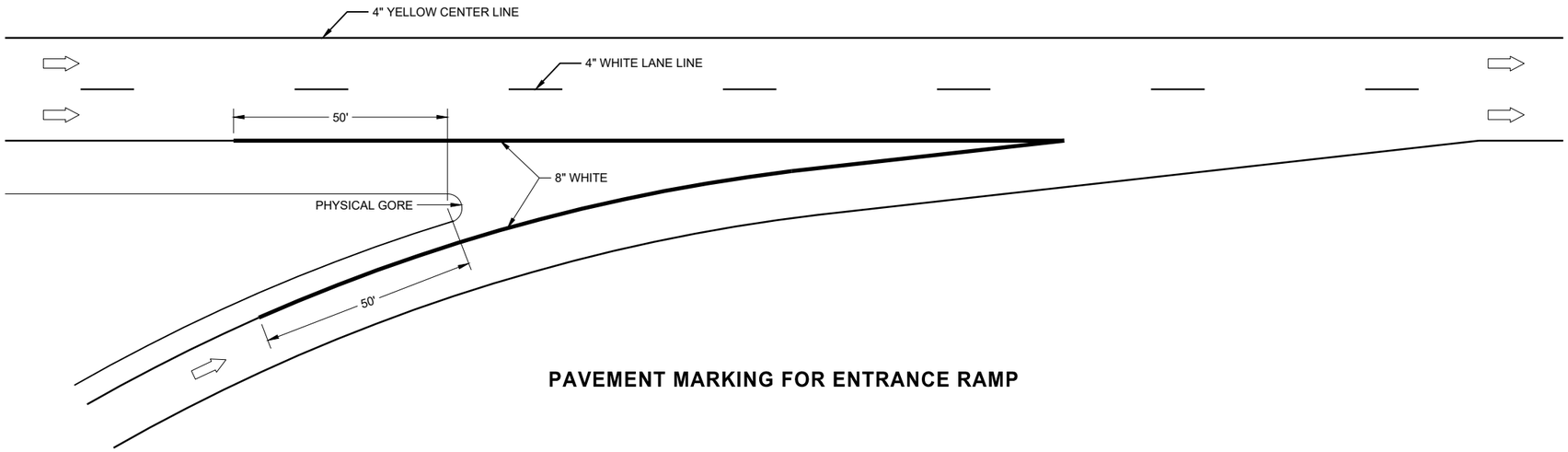
SDD 15C31 - 04a

PAVEMENT MARKING, EXIT RAMP AND PARALLEL EXIT RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C31 - 04a



PAVEMENT MARKING FOR ENTRANCE RAMP

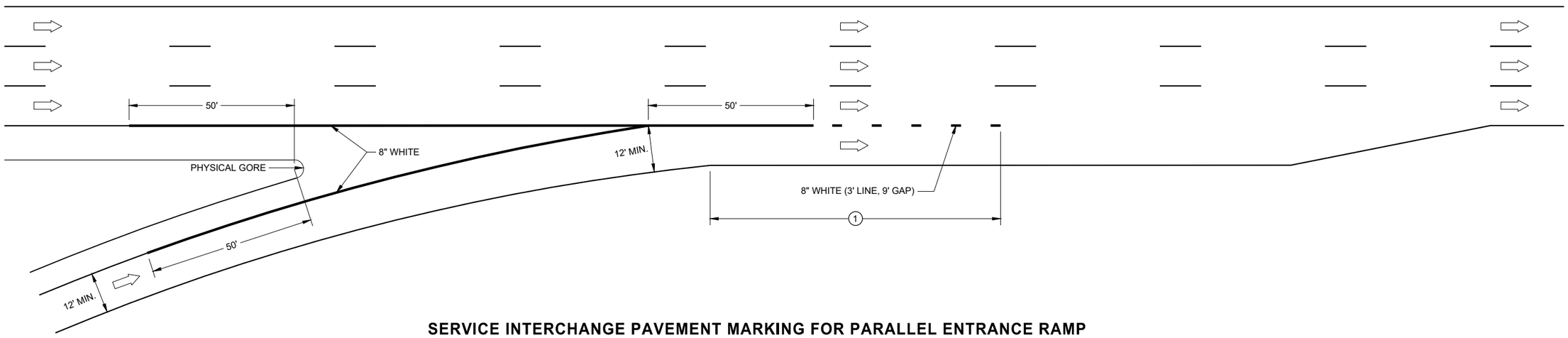
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

(1) ½ LENGTH OF FULL WIDTH ACCELERATION LANE.

LEGEND

DIRECTION OF TRAVEL



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE RAMP

6

6

SDD 14C31 - 04c

SDD 14C31 - 04c

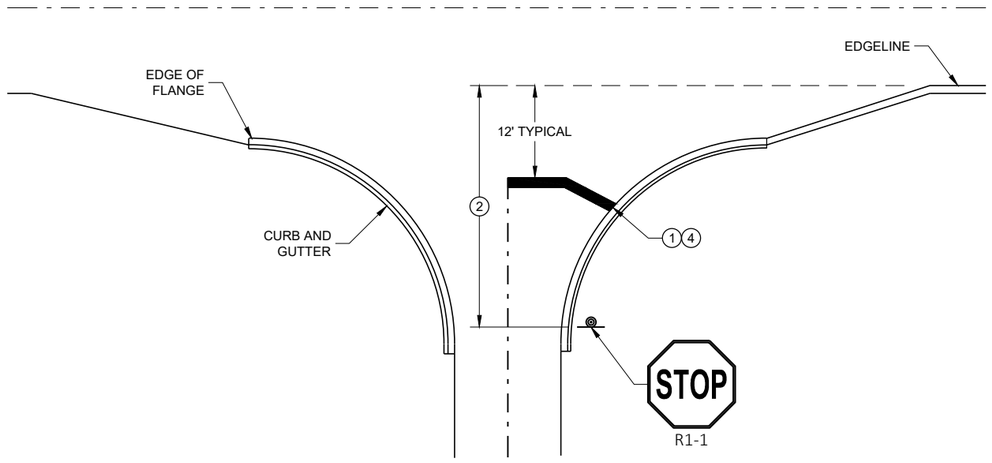
PAVEMENT MARKING, ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

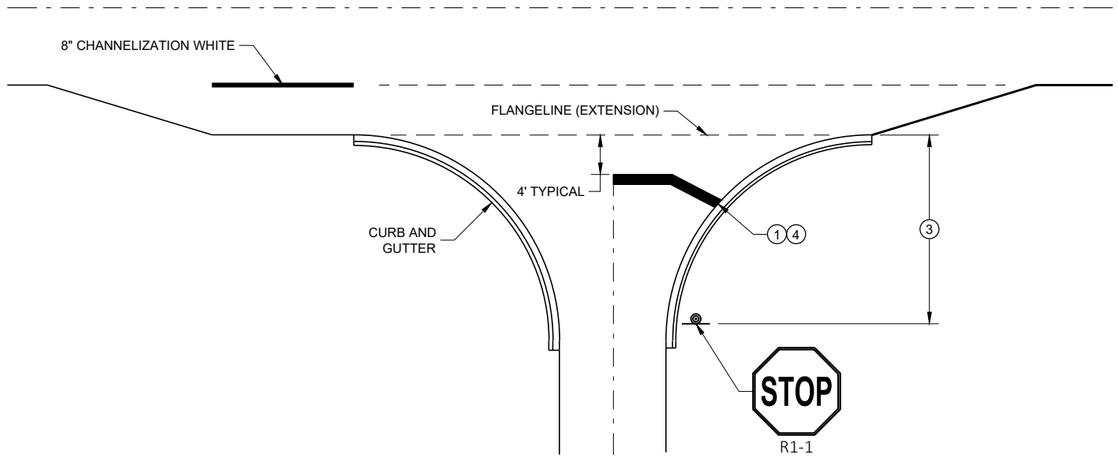
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

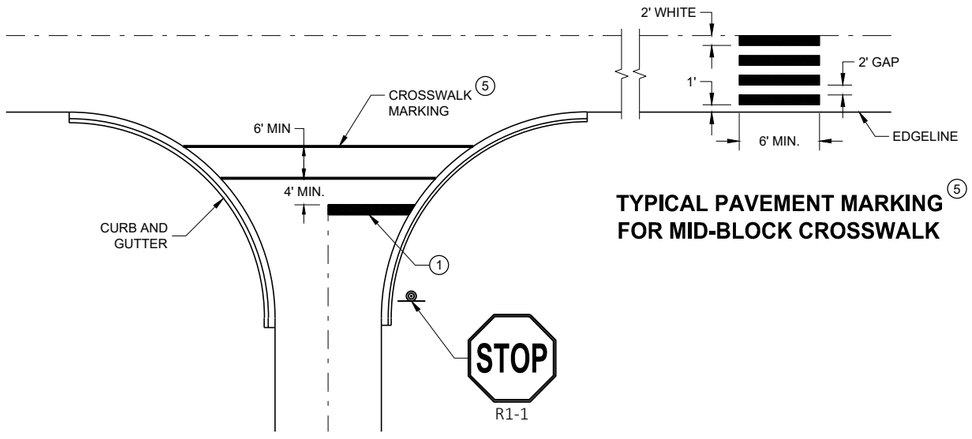
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

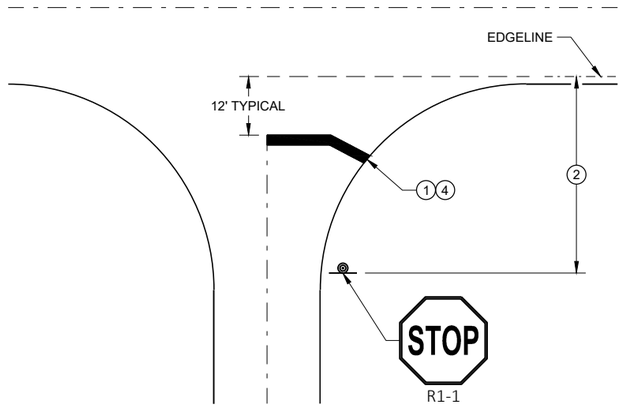


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

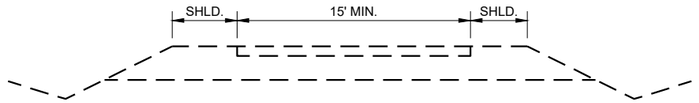
APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

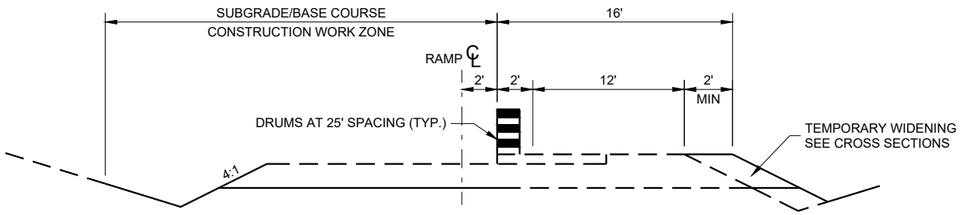
FHWA

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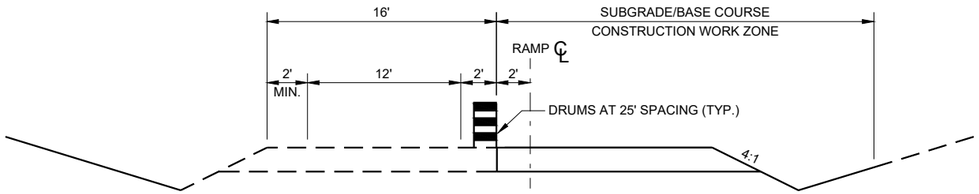
SDD 15C33 - 04



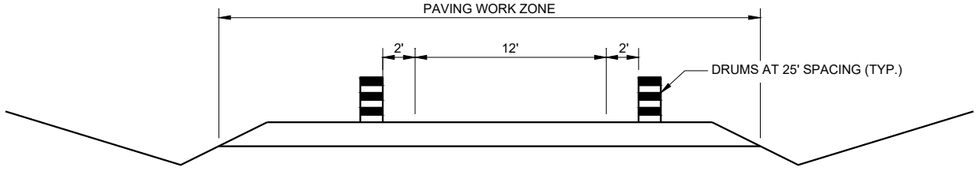
INITIAL RAMP - TYPICAL



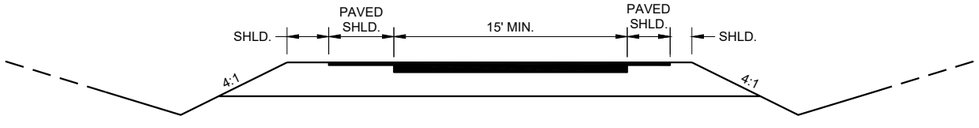
STAGE I - CONSTRUCTION TO SUBGRADE, LEFT



STAGE II - CONSTRUCTION TO SUBGRADE, RIGHT



STAGE III - TRAFFIC ON BASE COURSE



STAGE IV - PAVING

GENERAL NOTES

WORK SHALL BE SCHEDULED FOR ALL STAGES TO MINIMIZE INCONVENIENCE TO THE TRAFFIC USING THE RAMP WHILE IT IS ONLY BASE COURSE.

IN STATE III, A MINIMUM 12' LANE WIDTH SHALL BE DELINEATED WITH DRUMS ALONG BOTH EDGES AT ALL TIMES UNTIL PAVED AND PAVEMENT MARKINGS ARE PLACED.

6

SDD 15D04 - 01

TRAFFIC CONTROL, RAMP CONSTRUCTION STAGING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 1994
DATE

/S/ Chester J. Spano
DIRECTOR, OFFICE OF TR

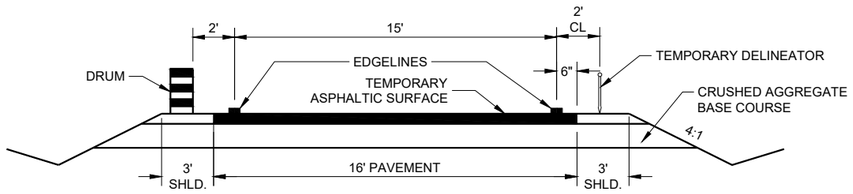
FHWA

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SDD 15D04 - 01

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR - WHITE (STEEL POST WITH SINGLE DELINEATOR)
- TYPE "A" WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" X 16" MIN., ORANGE
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS
- WORK AREA
- TEMPORARY CROSSOVER ASPHALTIC PAVEMENT



TYPICAL RAMP CROSSOVER ROADWAY DIMENSIONS

** ADJUST RAMP SPEED AS NEEDED IN THE FIELD. DISTANCE TO SIGN LOCATION SHALL ALSO BE PLACED ACCORDING TO TABLE.

** TABLE FOR ADVANCE WARNING SIGN DISTANCE (FT)

POSTED SPEED LIMIT (MPH)	DESIRED EXIT RAMP SPEED (MPH)					
	10	20	30	40	50	60
45	350	300	250			
50	425	400	325	225		
55	500	475	400	300		
60	575	550	500	400	300	
65	650	625	575	500	375	100
70	650	625	575	500	375	375

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

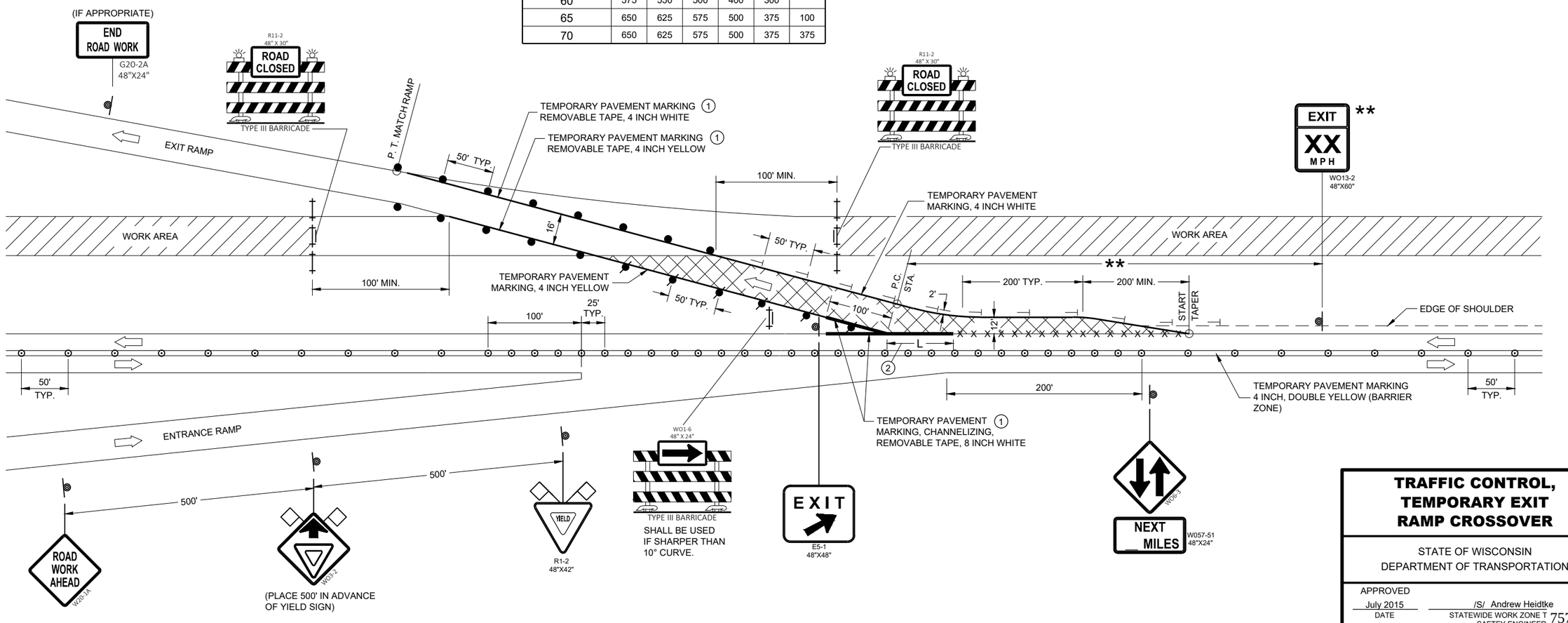
THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10 FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE CROSSOVER.

TRAFFIC CONTROL FOR RAMP CROSSOVERS ARE TYPICAL FOR ALL CONSTRUCTION PHASES.

(1) TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER. OTHERWISE TEMPORARY PAVEMENT MARKING MAY BE USED.

(2) LENGTH "L" SHALL BE REQUIRED WHEN TANGENT LENGTH OF EXIT RAMP PARALLEL TO MAINLINE EXCEEDS 300 FEET. LENGTH SHALL BE EQUAL TO THE EXIT RAMP TANGENT LENGTH MINUS 300 FEET OR AS APPROVED BY THE ENGINEER AND SHALL CHANGE TO ACCOMMODATE PAVING GAPS.



TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2015
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFTEY ENGINEER

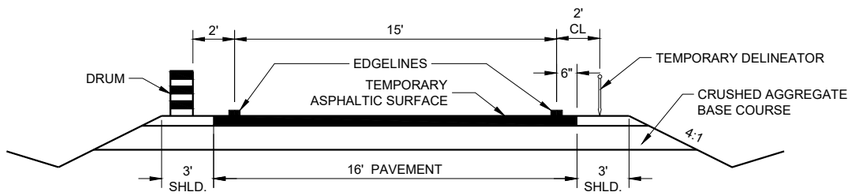
FHWA

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SDD 15D07 - 04

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR - WHITE (STEEL POST WITH SINGLE DELINEATOR)
- TYPE "A" WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" X 16" MIN., ORANGE
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS
- WORK AREA
- TEMPORARY CROSSOVER ASPHALTIC PAVEMENT



TYPICAL RAMP CROSSOVER ROADWAY DIMENSIONS

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

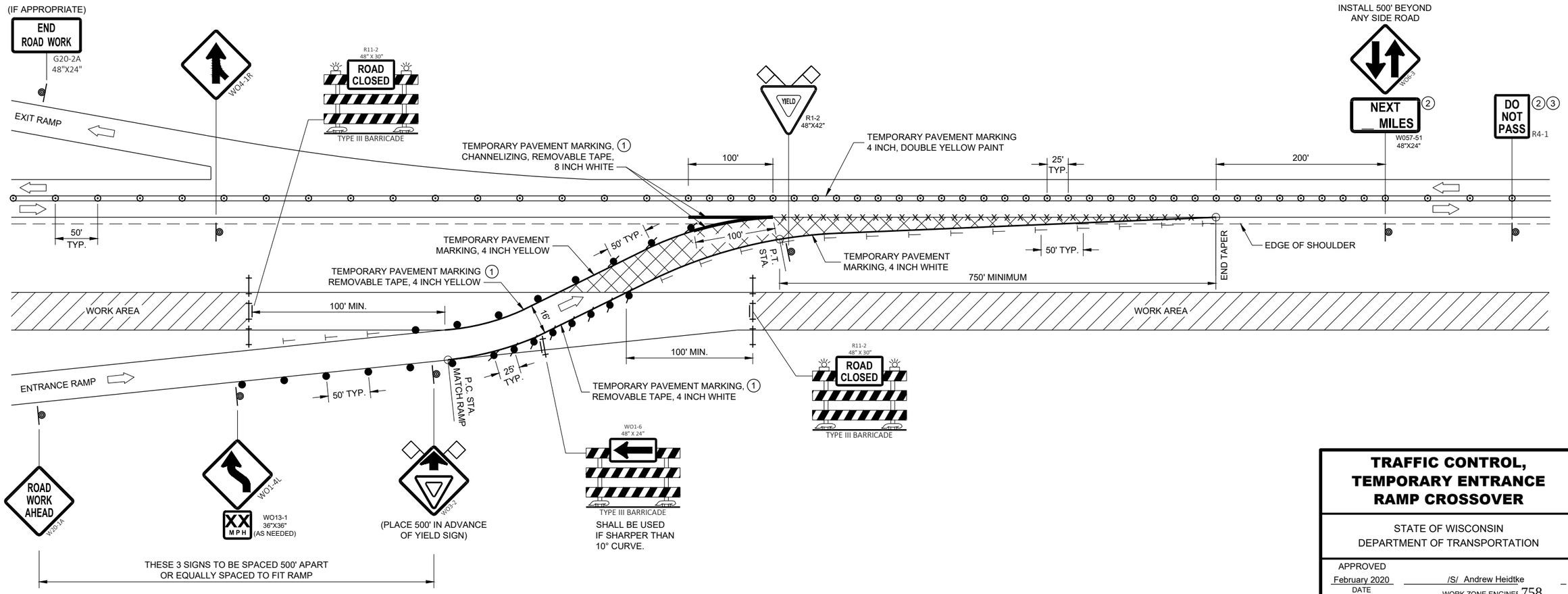
WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10 FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE CROSSOVER.

TRAFFIC CONTROL FOR RAMP CROSSOVERS ARE TYPICAL FOR ALL CONSTRUCTION PHASES.

(1) TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER.

(2) INSTALL THE WO6-3 SIGN WITH THE R4-1 SIGN 1000 FEET BEYOND THE WO6-3 SIGN WITH THE WO57-51 AND ALTERNATE THE SEQUENCE OF THESE SIGNS EVERY 1 MILE.

(3) CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D08 - 07

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

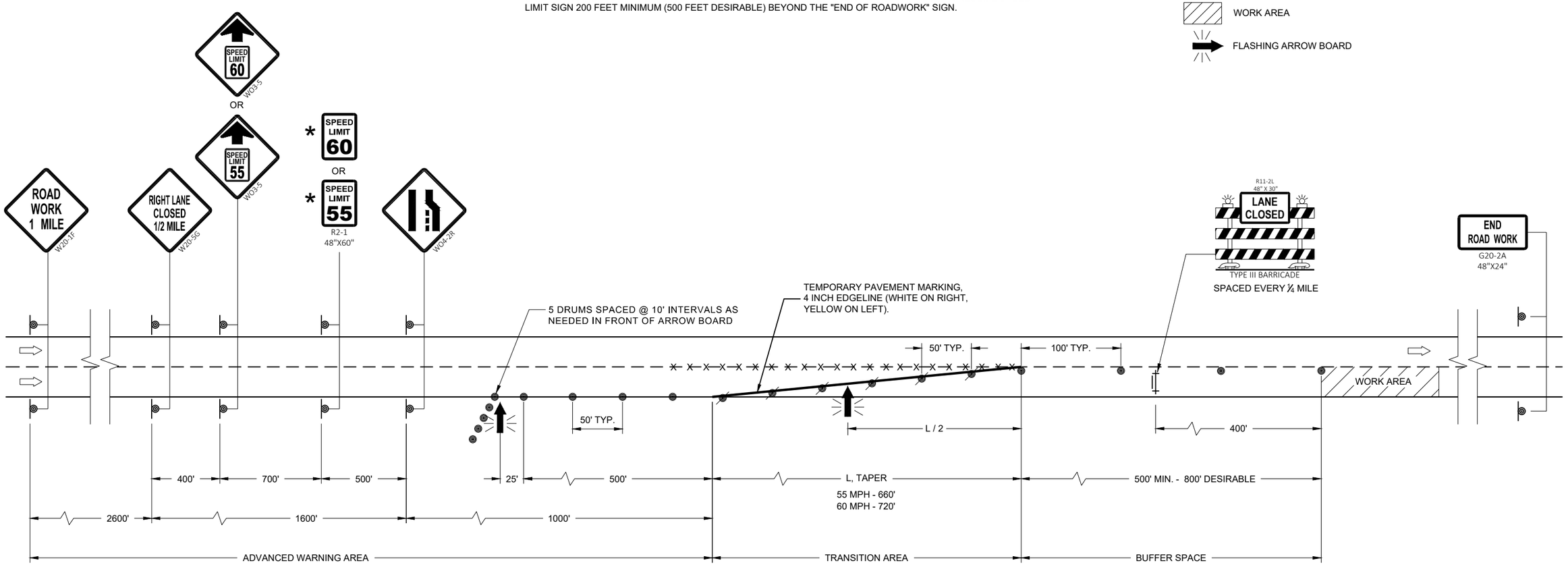
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

SDD 15D12 - 09b

6
SDD 15D12 - 09b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD
- (S) PORTABLE TRAFFIC SENSOR (PTS)
- FBS FLASHING BEACON SIGN

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, INCLUDING FBS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED SIGNS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

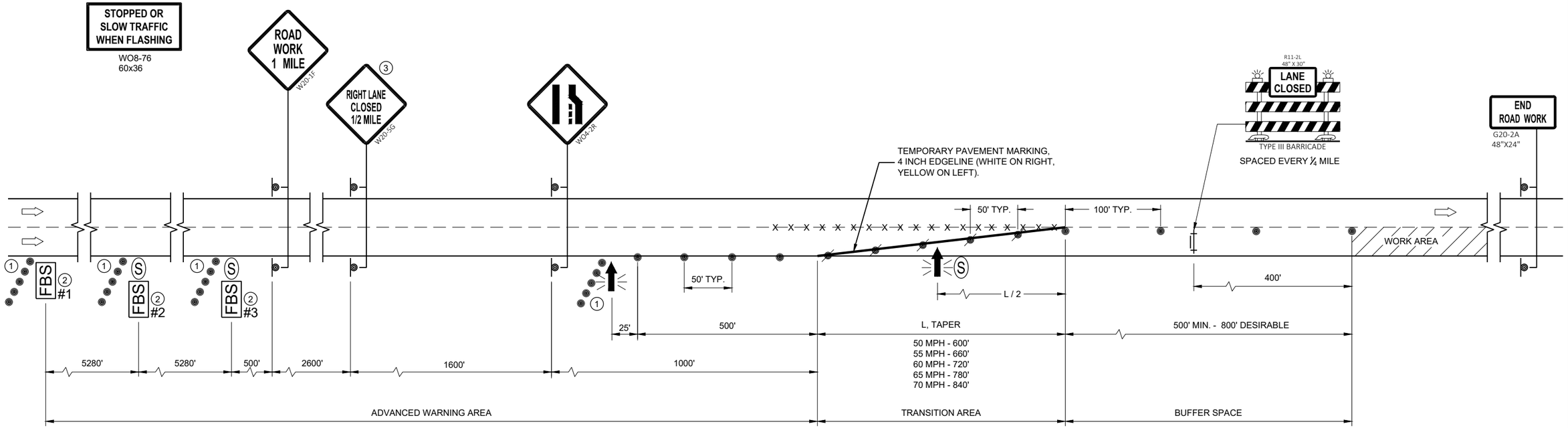
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

PORTABLE TRAFFIC SENSOR (PTS) MAY BE MOUNTED ON THE FBS, ARROW BOARD OR OTHER TRAILER DEVICES.

1. 5 DRUMS SPACED AT 10 FOOT INTERVALS AS NEEDED.
2. IF THERE ARE MORE THAN TWO LANES OR IF SPECIFIED IN THE PLANS, PLACE FBS ON BOTH SIDES OF THE ROADWAY.
3. IF THERE IS AN APPROVED TEMPORARY SPEED DECLARATION, ADD WO-3-5 SIGNS 400 FEET AFTER THE W20-5G SIGNS AND ADD R2-1 SIGNS (48"x60") 700 FEET AFTER THE WO3-5 SIGNS. A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A "RESUME SPEED LIMIT" SIGN 200 FEET MINIMUM (800 FEET DESIRABLE) BEYOND THE G30-3A "END ROAD WORK" SIGN.



TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

760

FHWA

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SDD 15D12 - 09d

6

SDD 15D12 - 09d

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

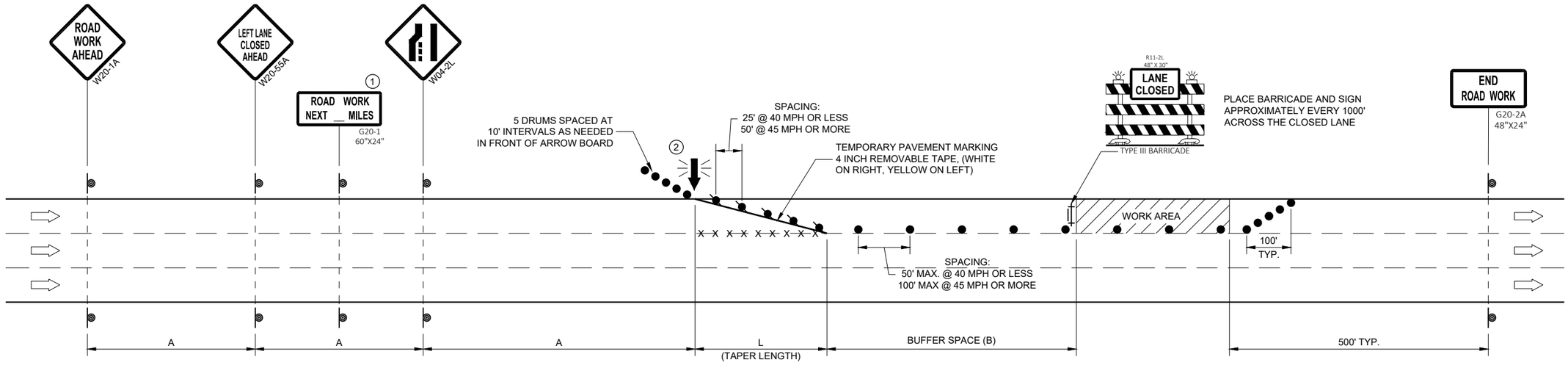
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

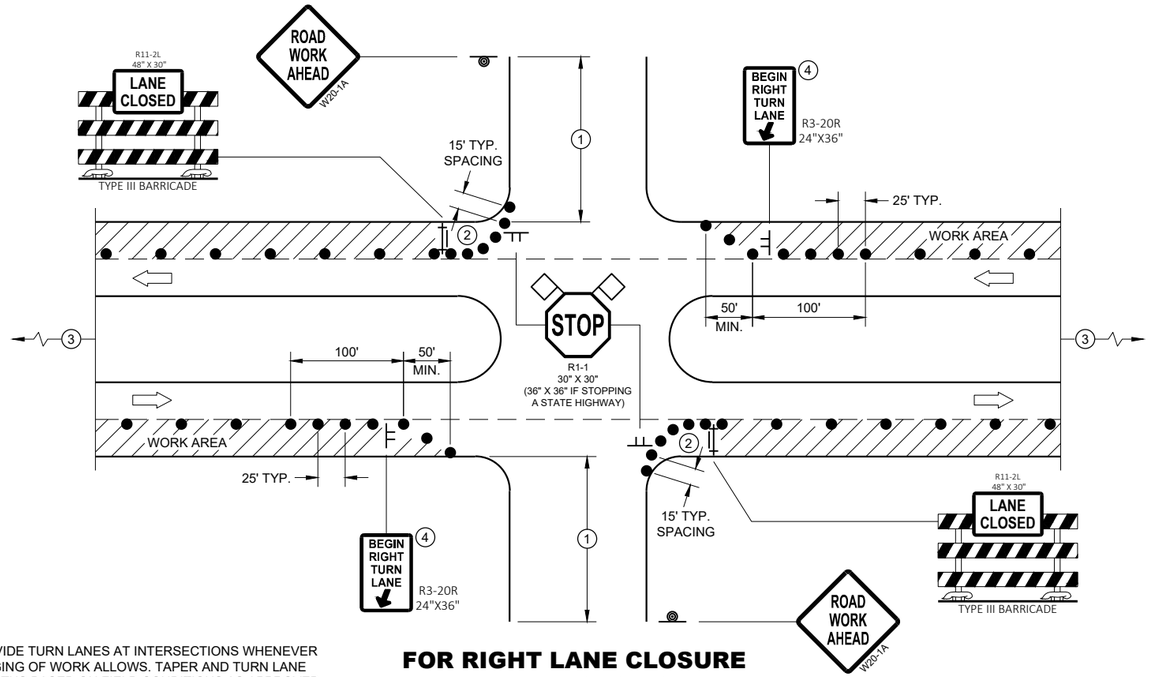
TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
761
FHWA

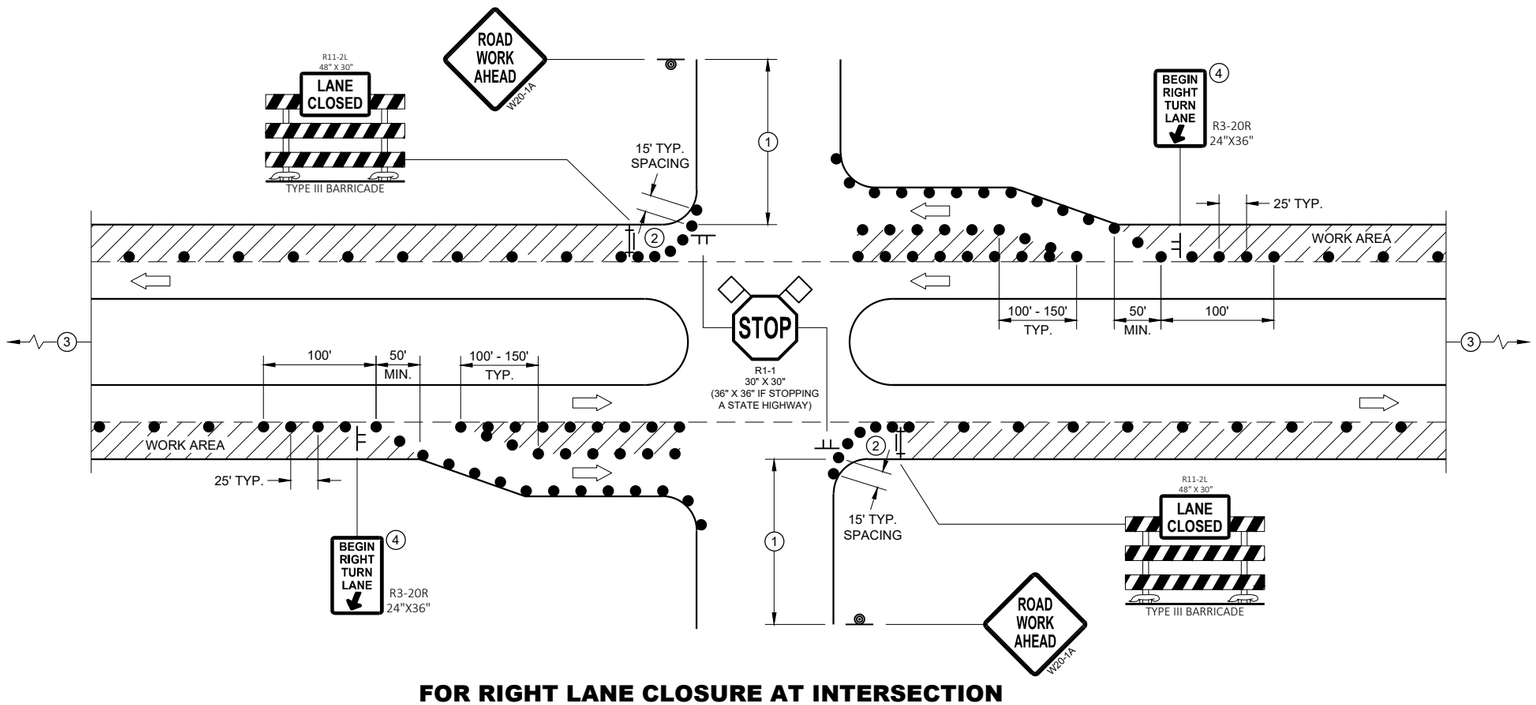
6

SDD15D20 - 05a



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

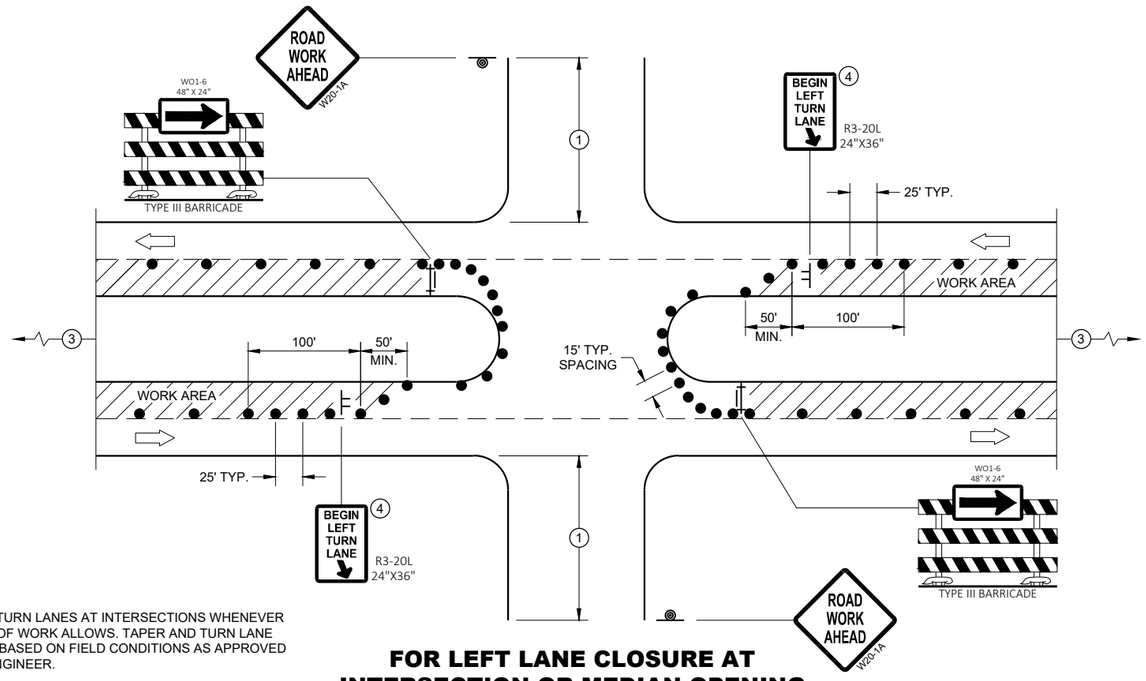
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a
SDD15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

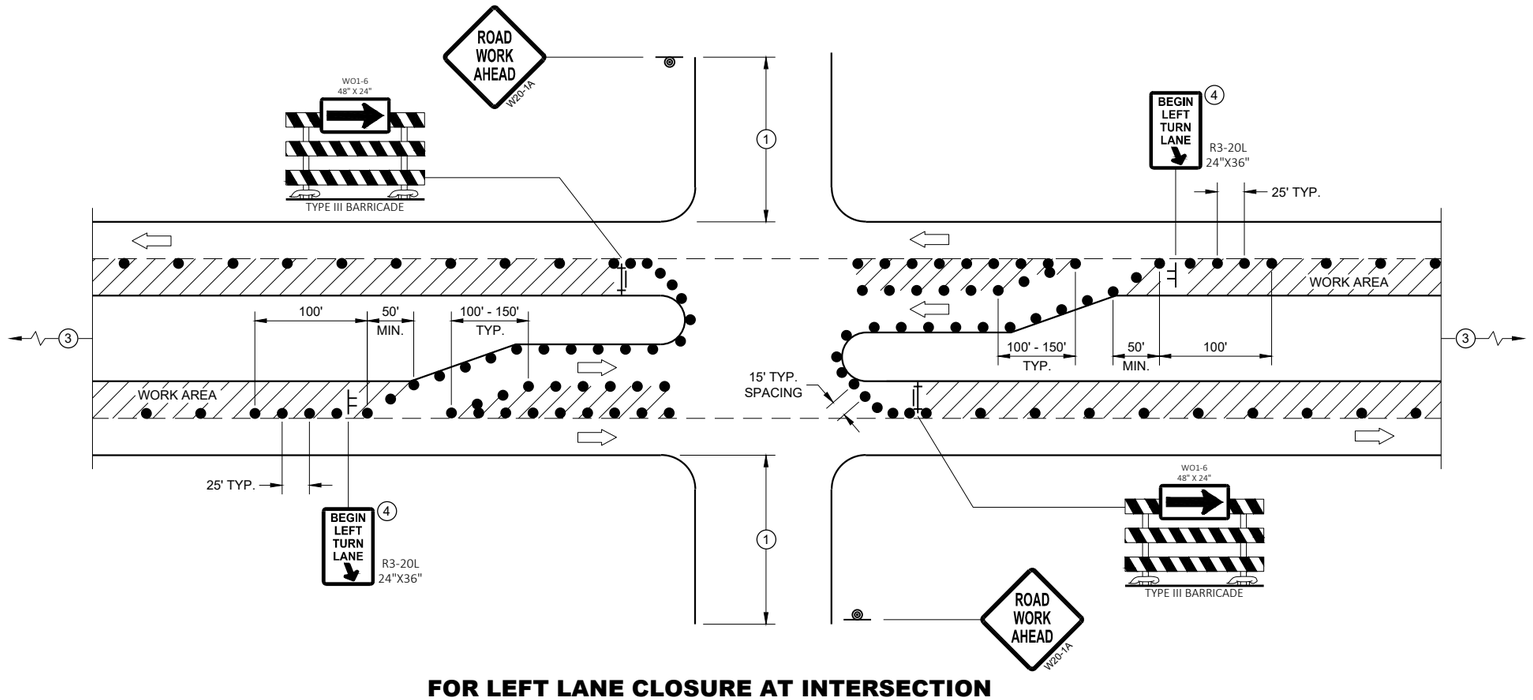
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

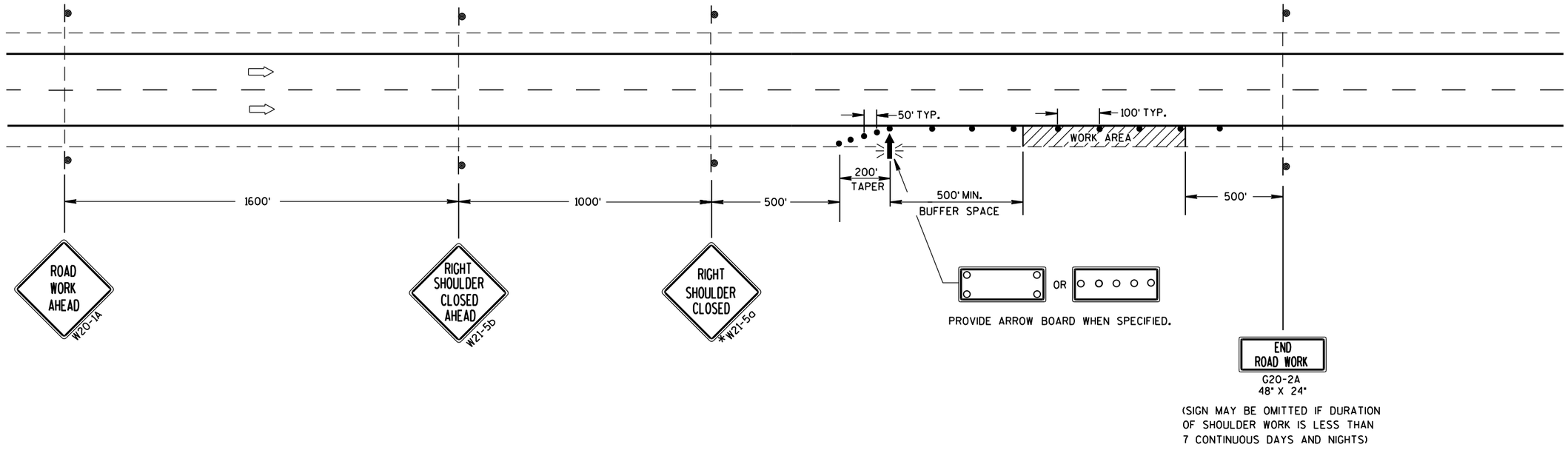
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016
DATE

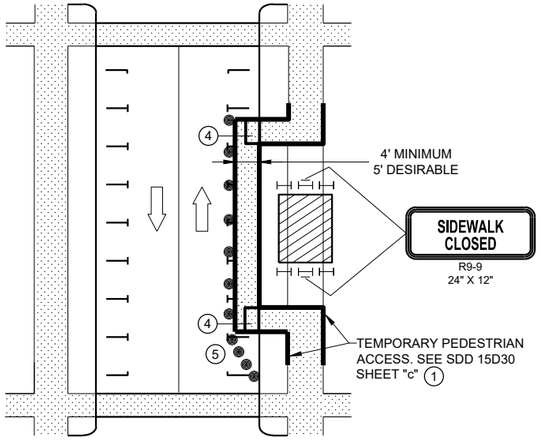
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] TIC SAFETY ENGI[illegible]

FHWA

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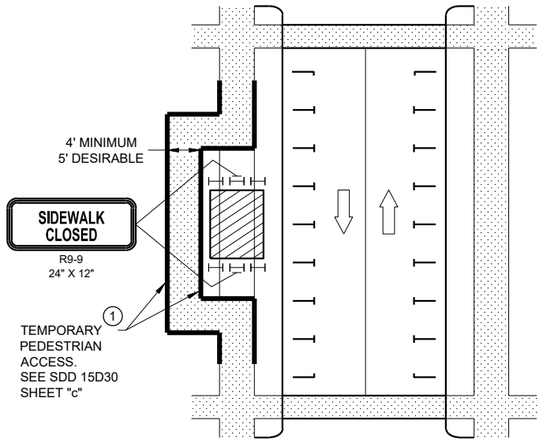
S.D.D. 15 D 27-3

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

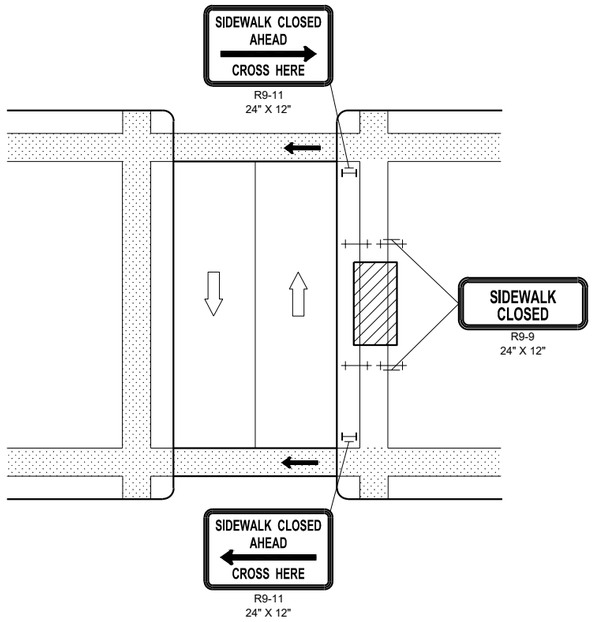


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

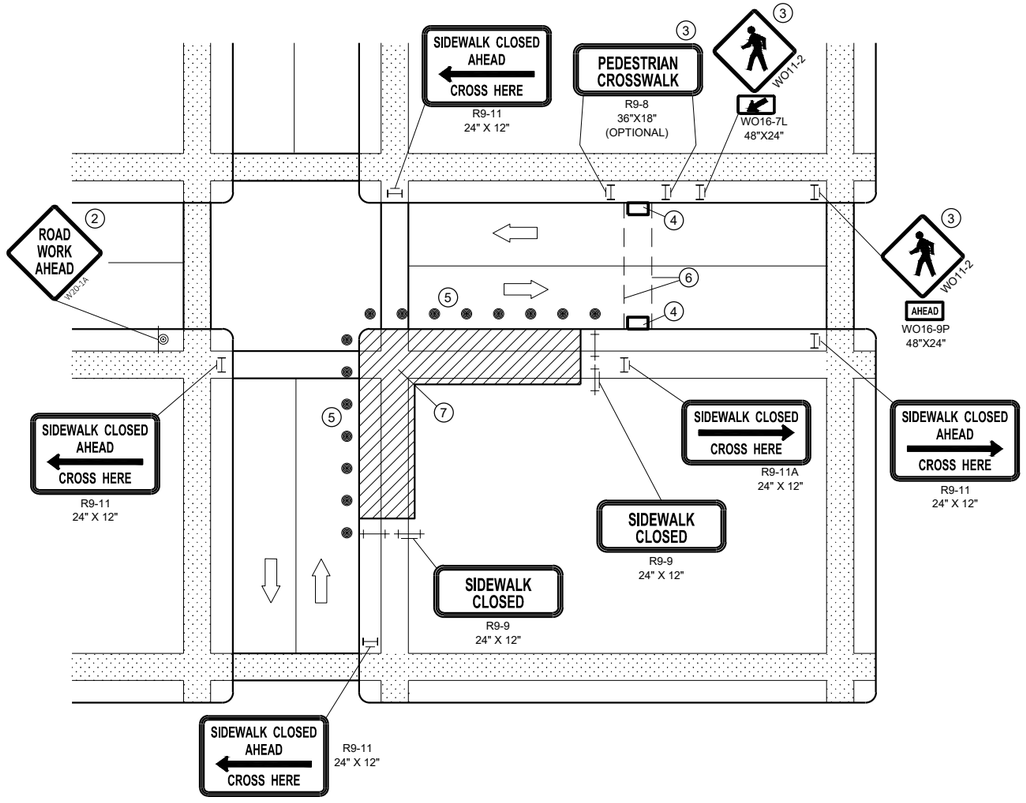
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN, EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

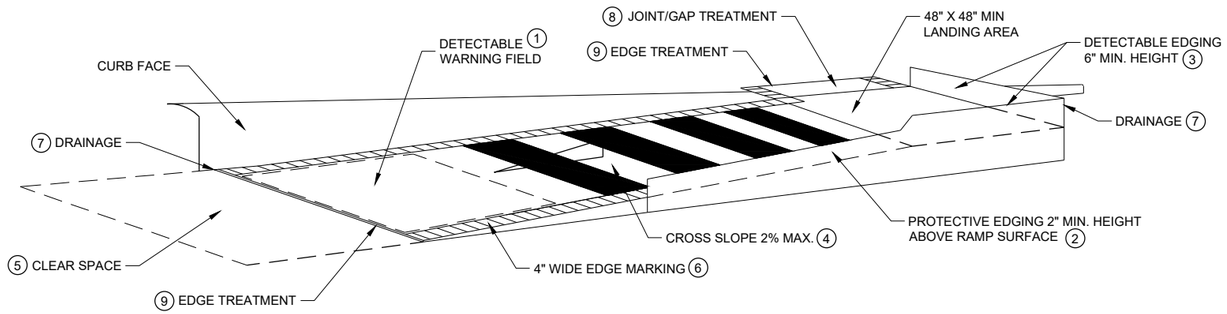
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

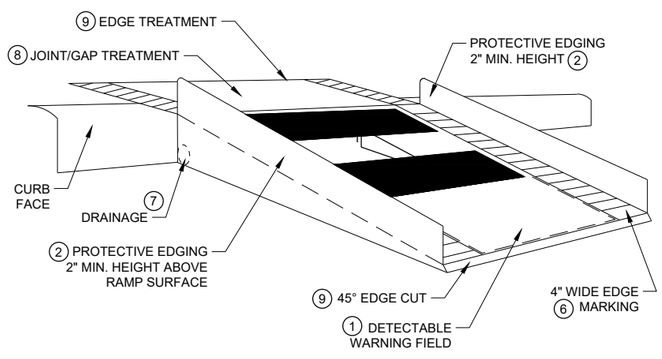
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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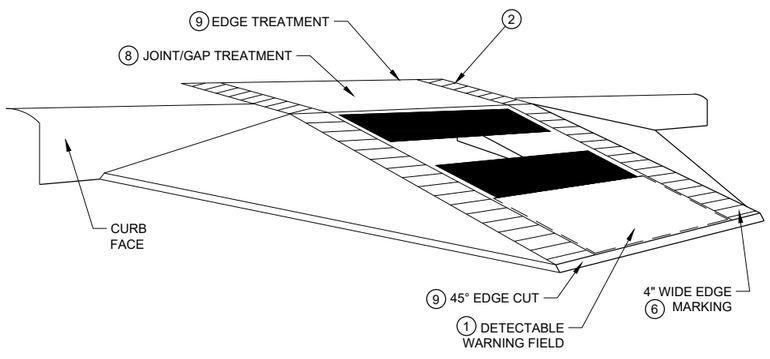
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

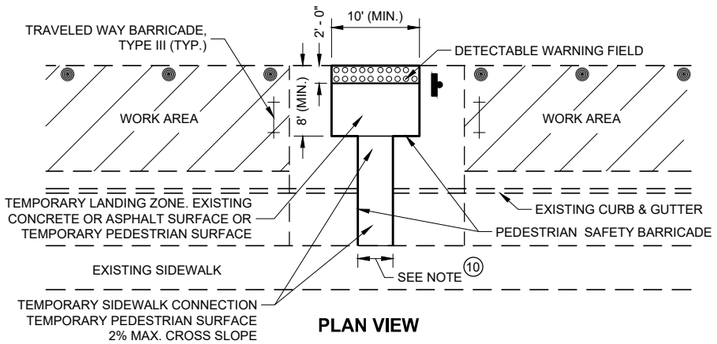
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

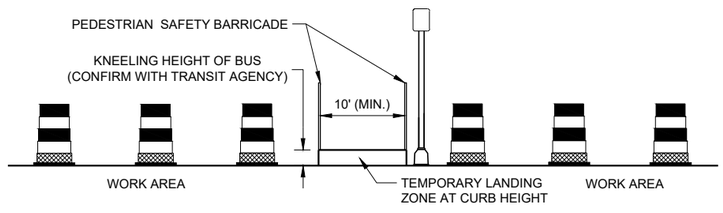
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

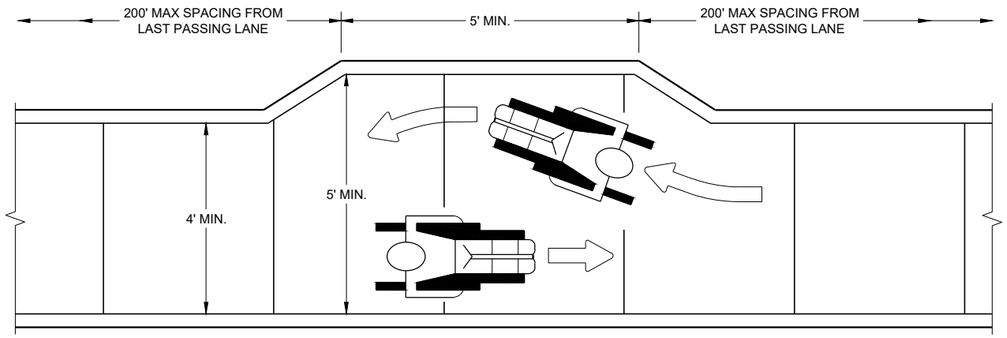
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

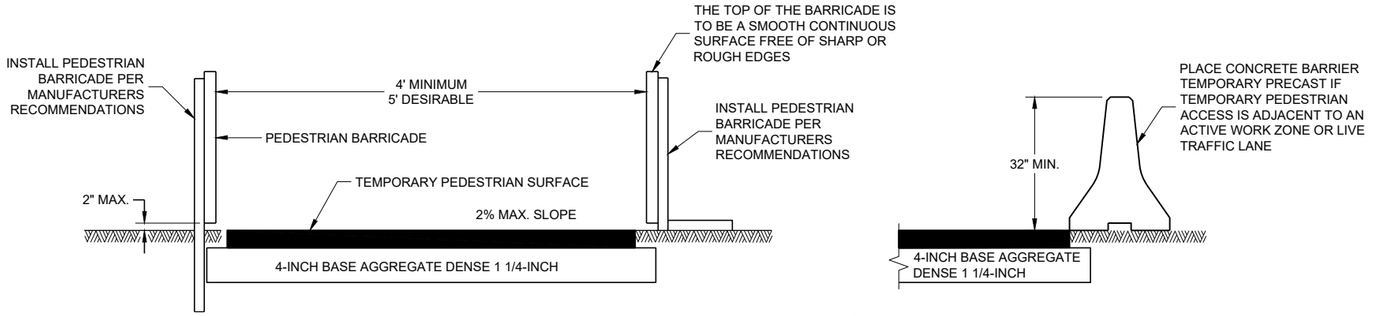
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 766

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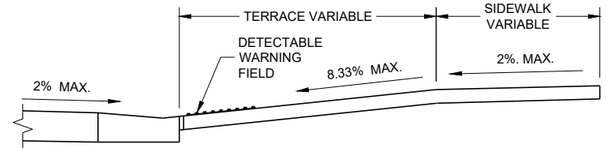
SDD 15D30 - 06b



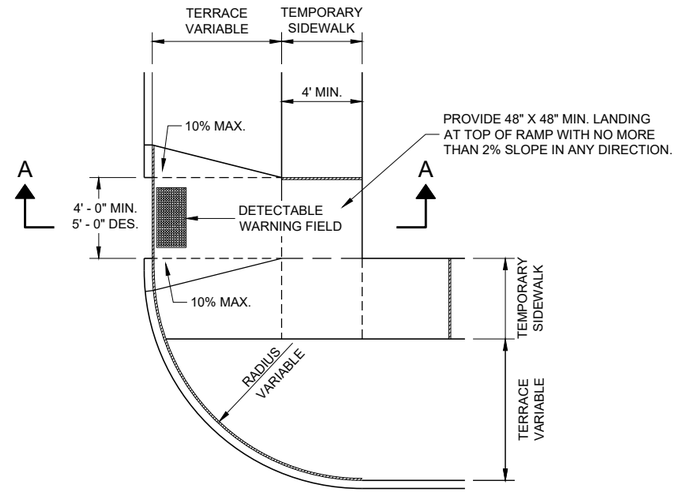
NARROW SIDEWALK PASSING DETAIL



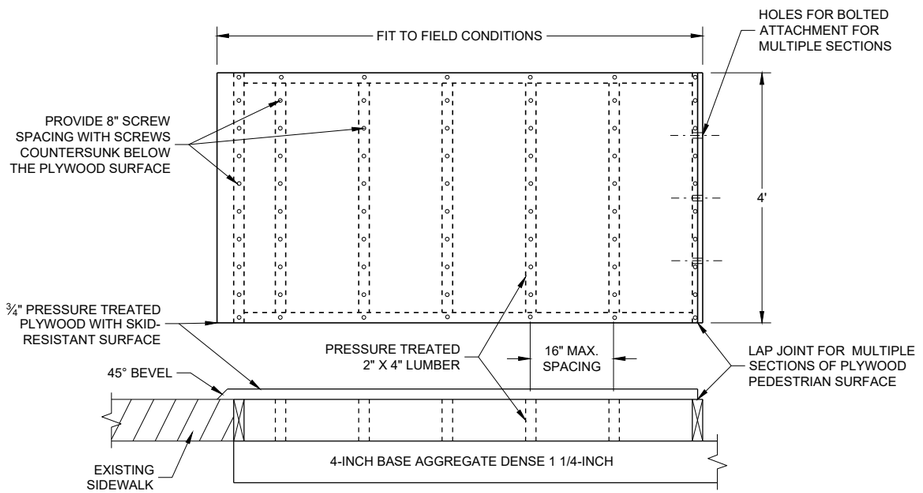
TEMPORARY PEDESTRIAN ACCESS



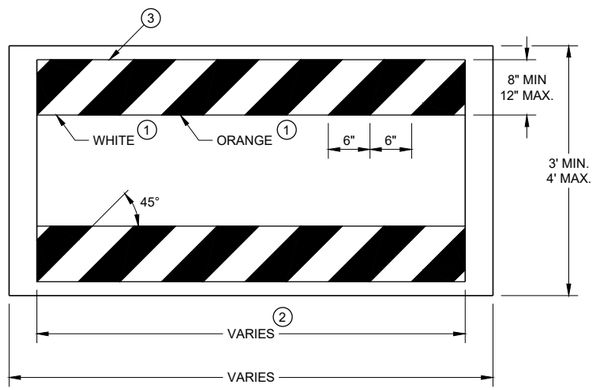
SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 767

FHWA

SDD 15D30 - 06c

6

SDD 15D30 - 06c

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TRAFFIC CONTROL DRUM

FLAGS, 16" X 16" MIN. (ORANGE)

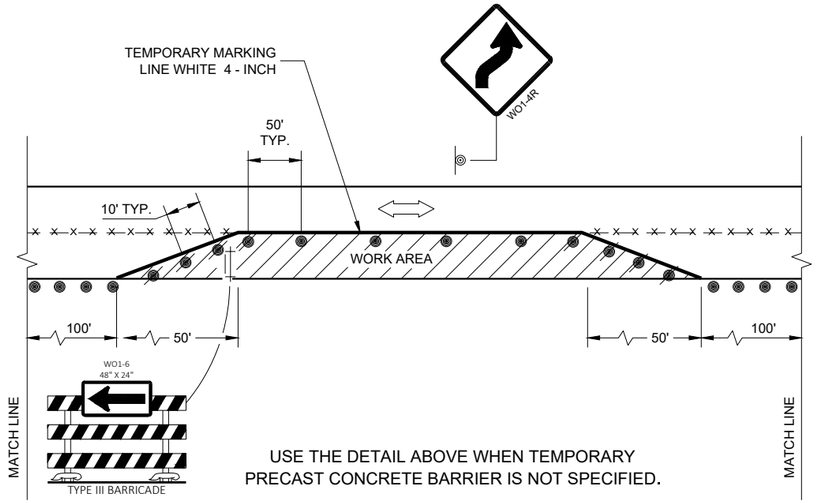
REMOVING PAVEMENT MARKING

DIRECTION OF TRAFFIC

ASPHALTIC PAVEMENT WIDENING

CONCRETE BARRIER TEMPORARY PRECAST

TEMPORARY SIGNAL. SEE SDD 09G02 FOR EXACT PLACEMENT



USE THE DETAIL ABOVE WHEN TEMPORARY PRECAST CONCRETE BARRIER IS NOT SPECIFIED.

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE..

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

PLACE TEMPORARY PAVEMENT MARKING EDGELINE AND CENTERLINE AND REMOVE EXISTING PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS OR AS NOTED ON DETAIL.

(1) 500 FOOT SPACING SHOWN IS FOR ROADWAYS WITH A PRE-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35 - 40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25 - 30 MPH, USE 200 FOOT TYPICAL SPACING.

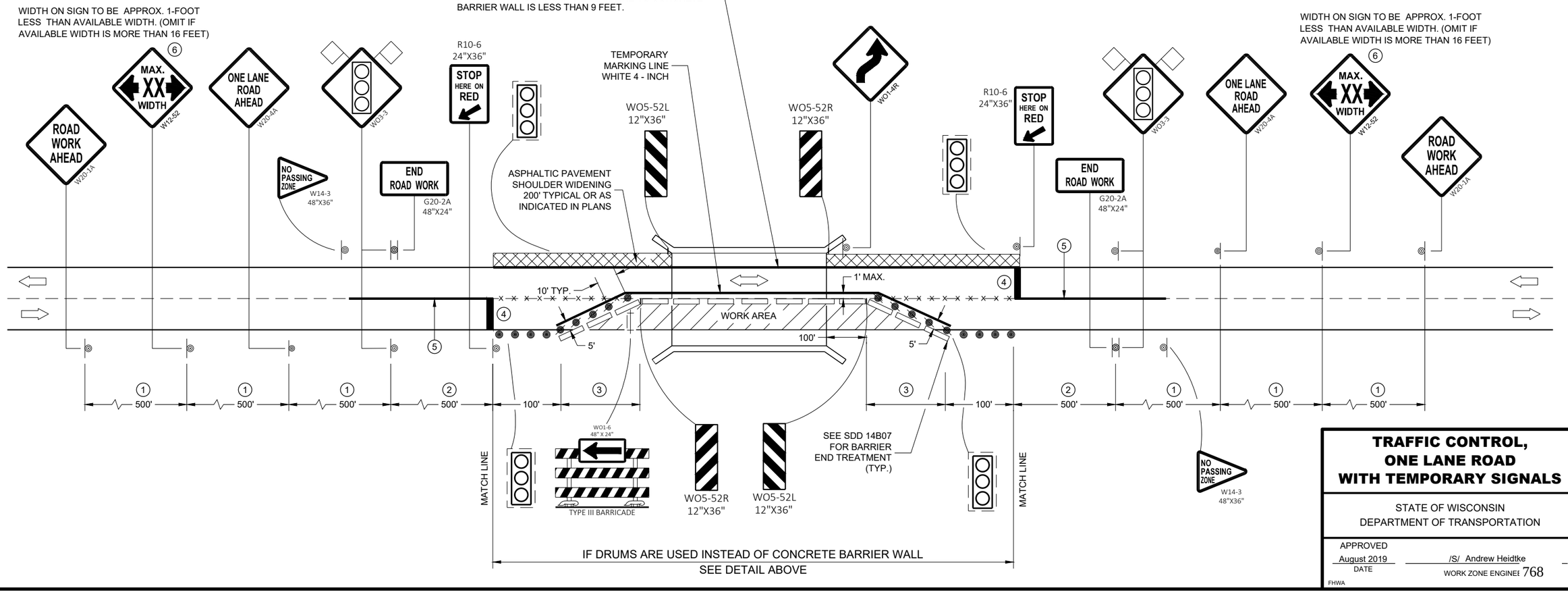
(2) USE 300 FOOT SPACING IF THE PRE - CONSTRUCTION REGULATORY SPEED IS 35 MPH OR LESS.

(3) DIMENSION DETERMINED BY CBTP TAPER FROM EDGE LINE TO TANGENT SECTION OF THE ROAD.

(4) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18 - INCH.

(5) 700 FOOT TEMPORARY MARKING LINE, DOUBLE YELLOW 4 - INCH . WHEN THE DISTANCE FOR THE PRECEDING NO - PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES AS INDICATED IN THE SPECIFICATIONS, THE TWO ZONES SHALL BE CONNECTED.

(6) SEE SDD 15C02 - SHEET "F" FOR ADVANCED WIDTH RESTRICTION SIGNING.



TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 768

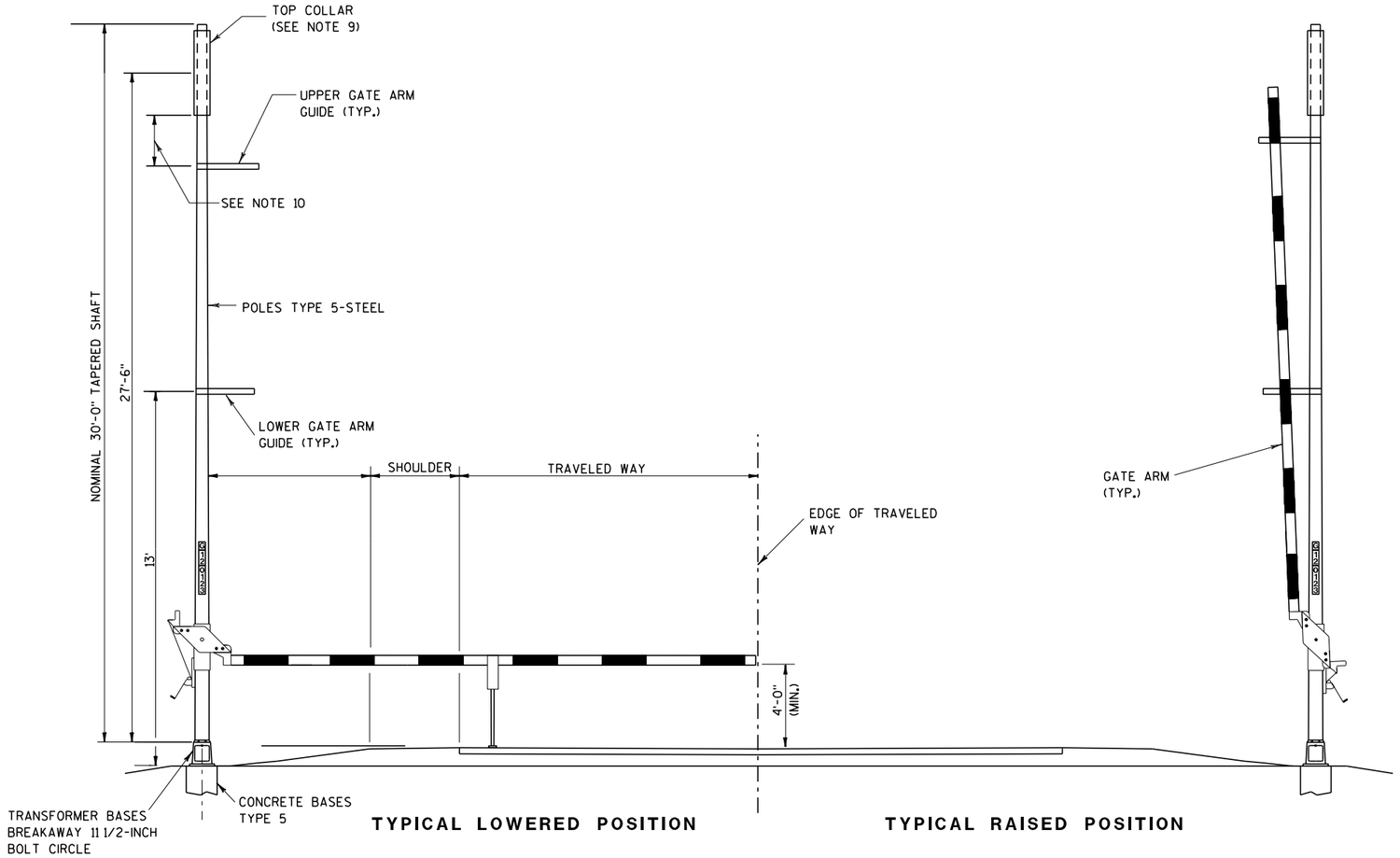
FHWA

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SDD 15D33 - 06

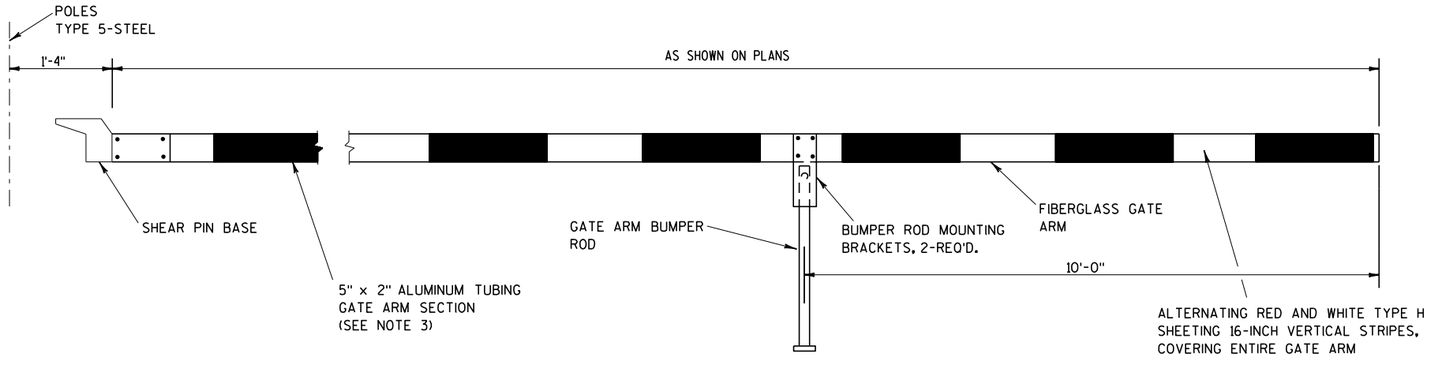
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SDD 15D33 - 06



TYPICAL LOWERED POSITION

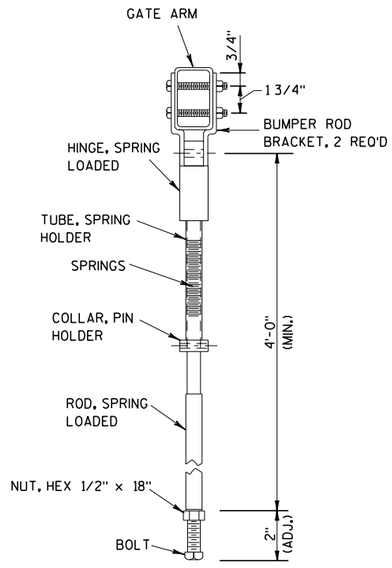
TYPICAL RAISED POSITION



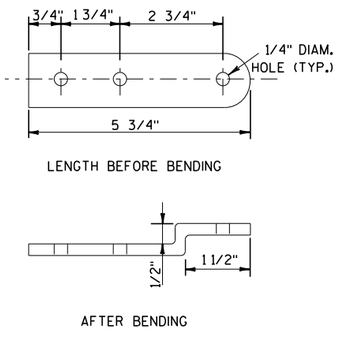
GATE DETAIL

GENERAL NOTES

1. THE LOCATION OF RAMP CLOSURE GATES AND MOUNTING HEIGHT OF GATE ARM PIVOT SHALL BE VERIFIED BY THE ENGINEER.
2. HEIGHT OF GATE ARM GUIDES MAY BE VARIED AS REQUIRED FOR WARNING LIGHT CLEARANCE.
3. FIBERGLASS/ALUMINUM GATE ARM AND SHEAR PIN BASE SHALL BE SUPPLIED BY THE SAME VENDOR.
4. GATE ARM TO BE MOUNTED ON PROPOSED POLE AS INDICATED ON THE PLANS. PROPOSED POLE SHALL BE TYPE 5 POLE.
5. LOCATION OF THE CONCRETE BASE AND LENGTH OF THE GATE ARM WILL BE VERIFIED BY THE ENGINEER TO ENSURE ADEQUATE COVERAGE OF THE TRAVELED LANE.
6. GATE PIVOTS, SUPPORTS AND GUIDES, AND ALL ASSOCIATED HARDWARE SHALL BE GALVANIZED. ALL ROUGH EDGES AND BURRS SHALL BE GROUND SMOOTH PRIOR TO GALVANIZING.
7. ALL EXPOSED BOLT THREADS SHALL BE PAINTED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
8. ANY FIELD DAMAGE TO THE GALVANIZING SHALL BE REPAIRED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
9. A STANDARD LIGHTING LUMINAIRE ARM MAY BE MOUNTED TO THE TYPE 5 POLE IN LIEU OF THE TOP COLLAR.
10. UPPER GATE ARM GUIDE IS TO BE INSTALLED 6 TO 12-INCHES BELOW THE BOTTOM OF THE TOP COLLAR.



GATE ARM BUMPER ROD DETAIL

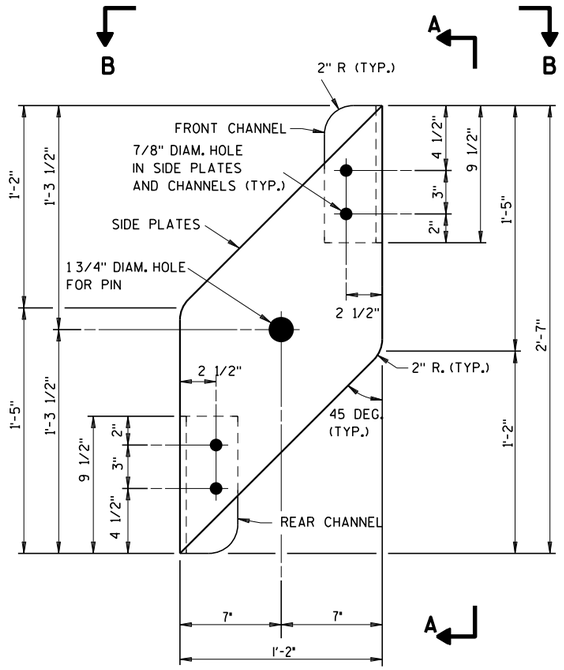


BUMPER ROD MOUNTING
BRACKET DETAIL

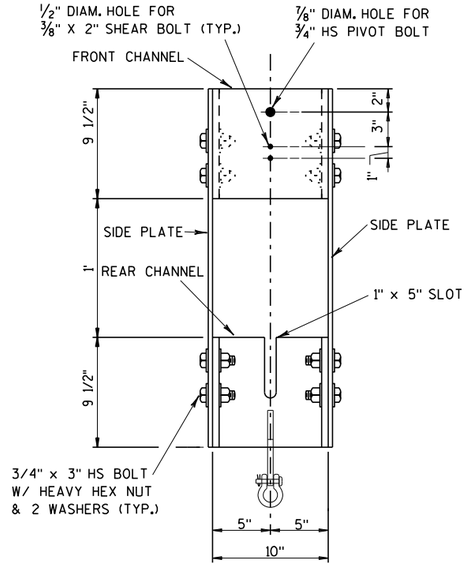
RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

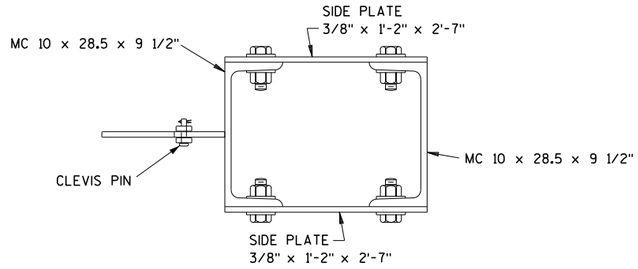
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S.D.D. 15 D 35-3a



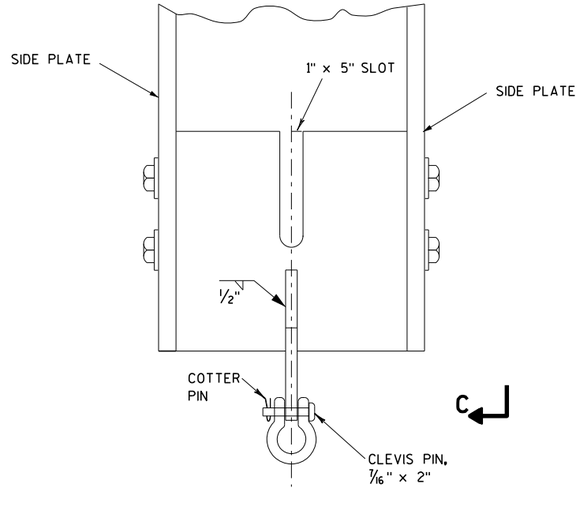
SIDE PLATE DETAIL



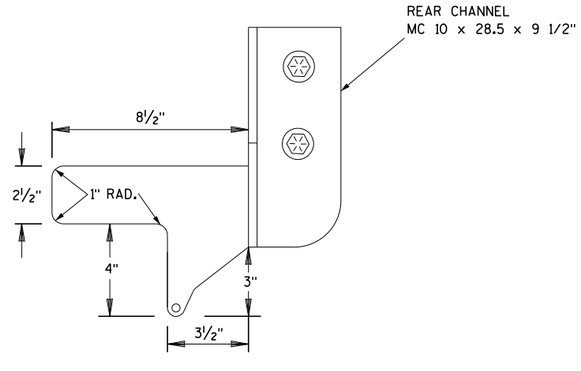
SECTION A-A



SECTION B-B



YOKE ASSEMBLY DETAIL



SECTION C-C

RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 15 D 35-3b

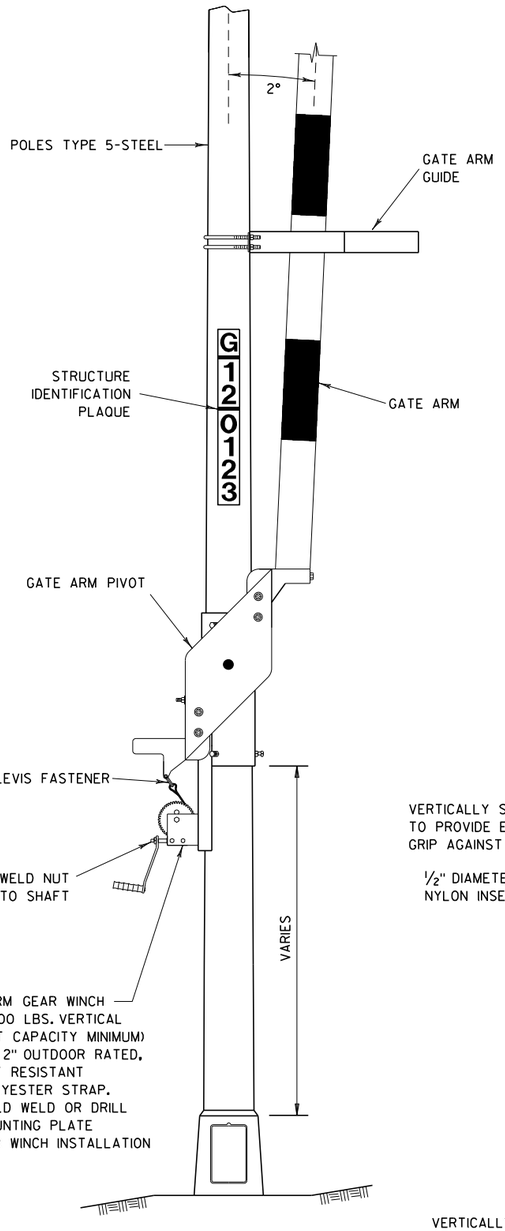
GENERAL NOTES

1. WHEN THE GATE IS FULLY RAISED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE OUTSIDE OF THE REAR CHANNEL.

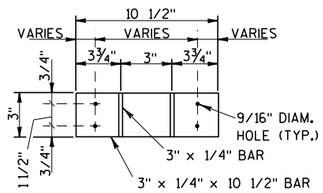
2. WHEN THE GATE IS FULLY LOWERED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE INSIDE OF THE REAR CHANNEL.

3. ANTI-SEIZE LUBRICATING MATERIAL SHALL BE USED ON ALL BOLT THREADS BEFORE INSTALLATION.

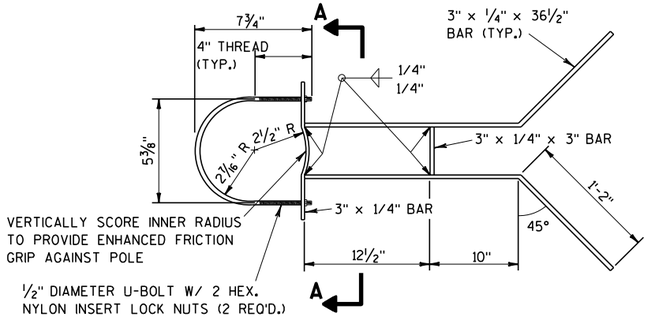
4. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307, GRADE A, UNLESS DESIGNATED AS HS (HIGH STRENGTH), WHICH SHALL CONFORM TO ASTM A325. BOLTS OF ½" NOMINAL DIAMTER OR LESS MAY BE STAINLESS STEEL.



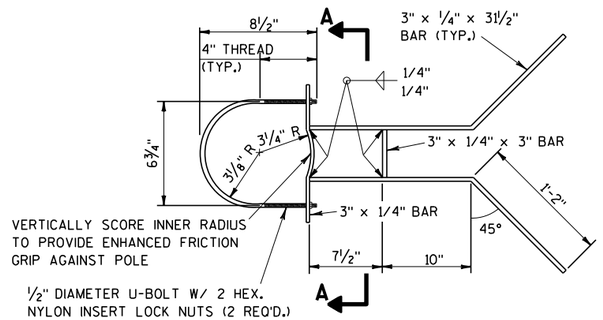
GATE PIVOT ASSEMBLY



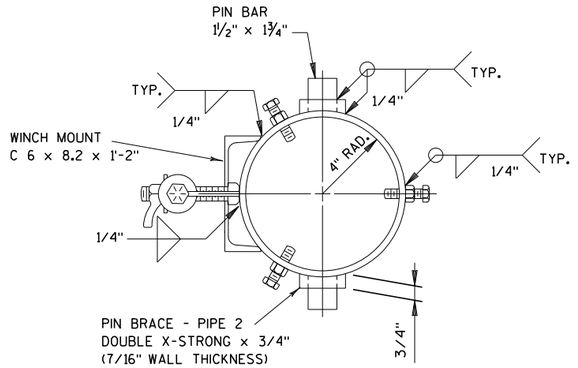
SECTION A-A
U-BOLTS NOT SHOWN



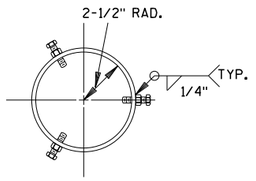
UPPER GATE ARM GUIDE DETAIL



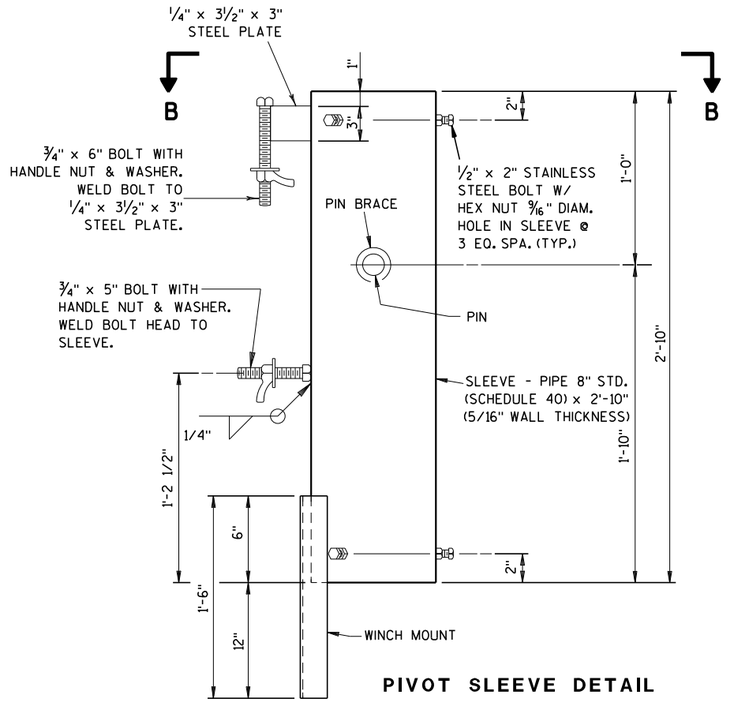
LOWER GATE ARM GUIDE DETAIL



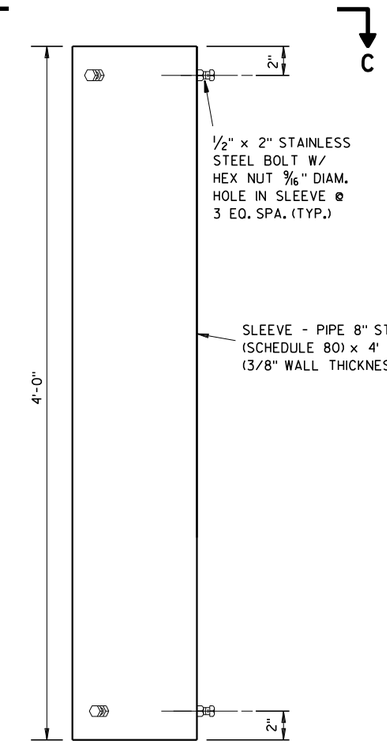
SECTION B-B



SECTION C-C



PIVOT SLEEVE DETAIL



TOP COLLAR

RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 771 ENGINEER
FHWA

6

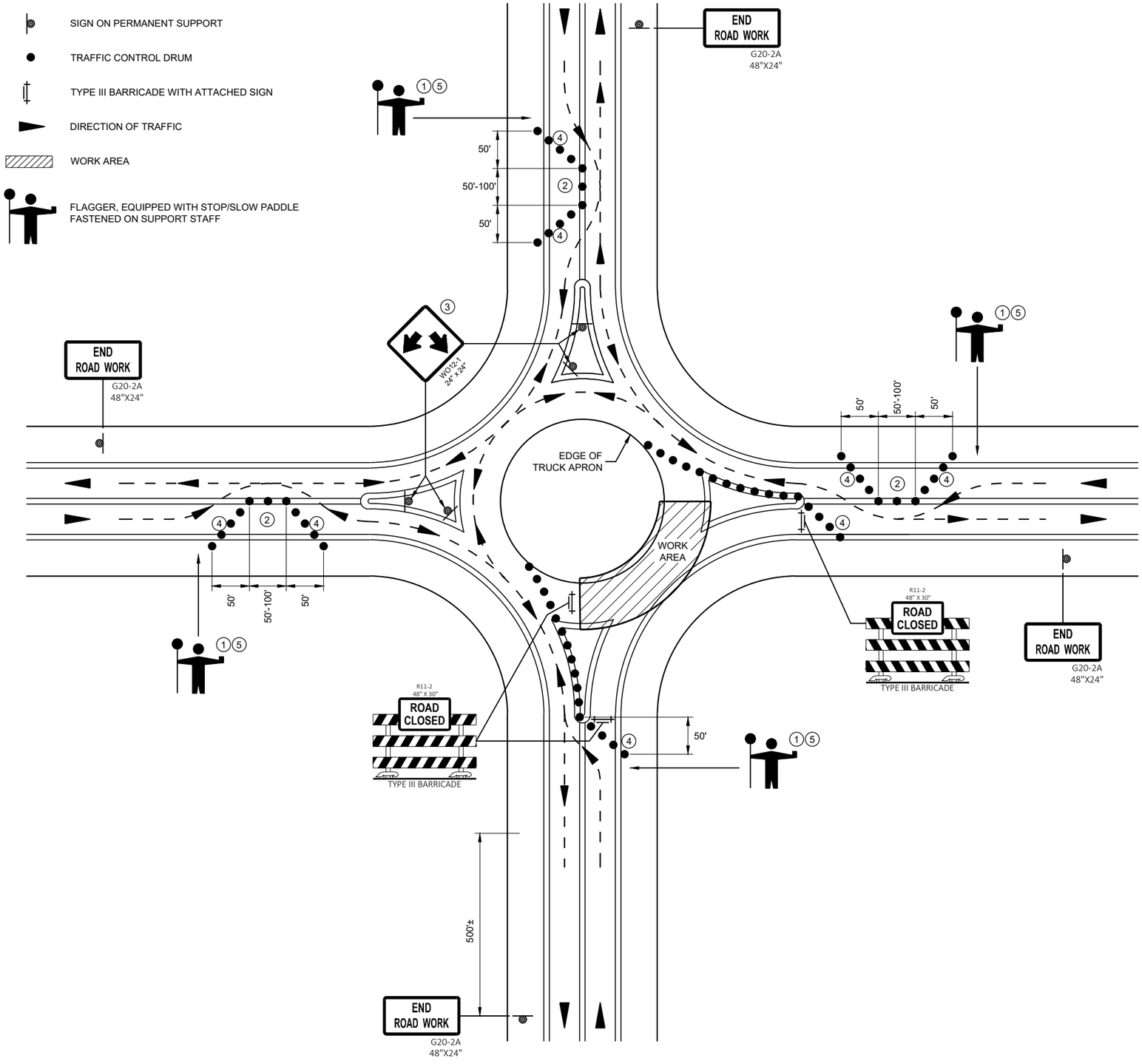
S.D.D. 15 D 35-3c

6

S.D.D. 15 D 35-3c

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



GENERAL NOTES

ALL SIGNS ARE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ONLY ONE QUADRANT OF TRAFFIC SHALL BE RELEASED AT A TIME.

FLAGGERS SHALL CONTROL TRAFFIC ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. ONE FLAGGER SHALL BE DESIGNATED LEAD FLAGGER.

NIGHT TIME WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGER STATION(S).

1. FLAGGERS SHALL BE IN DIRECT RADIO CONTACT AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.
2. ADJUST CHANNELIZING DEVICES TO ACCOMMODATE FOR TURNING RADIUS OF LARGE VEHICLES AS DIRECTED BY THE ENGINEER.
3. GUIDE SIGN WITH ROAD NAMES MAY BE USED IN LIEU OF THE DOUBLE ARROW (WO12-1) SIGN.
4. THE TWO- WAY TAPER SHOULD BE 50 FEET USING 5 EQUALLY SPACED DRUMS.
5. FOLLOW SDD 15C12 FOR FLAGGING AND ADVANCE WARNING.

RECOMMENDED REDUCED DRUM SPACING WITHIN ROUNDABOUT

MPH	DRUM SPACING (FT)
0-40	25
45-55	50

TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

772

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SDD 15D37 - 03

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVE PAVEMENT MARKING

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

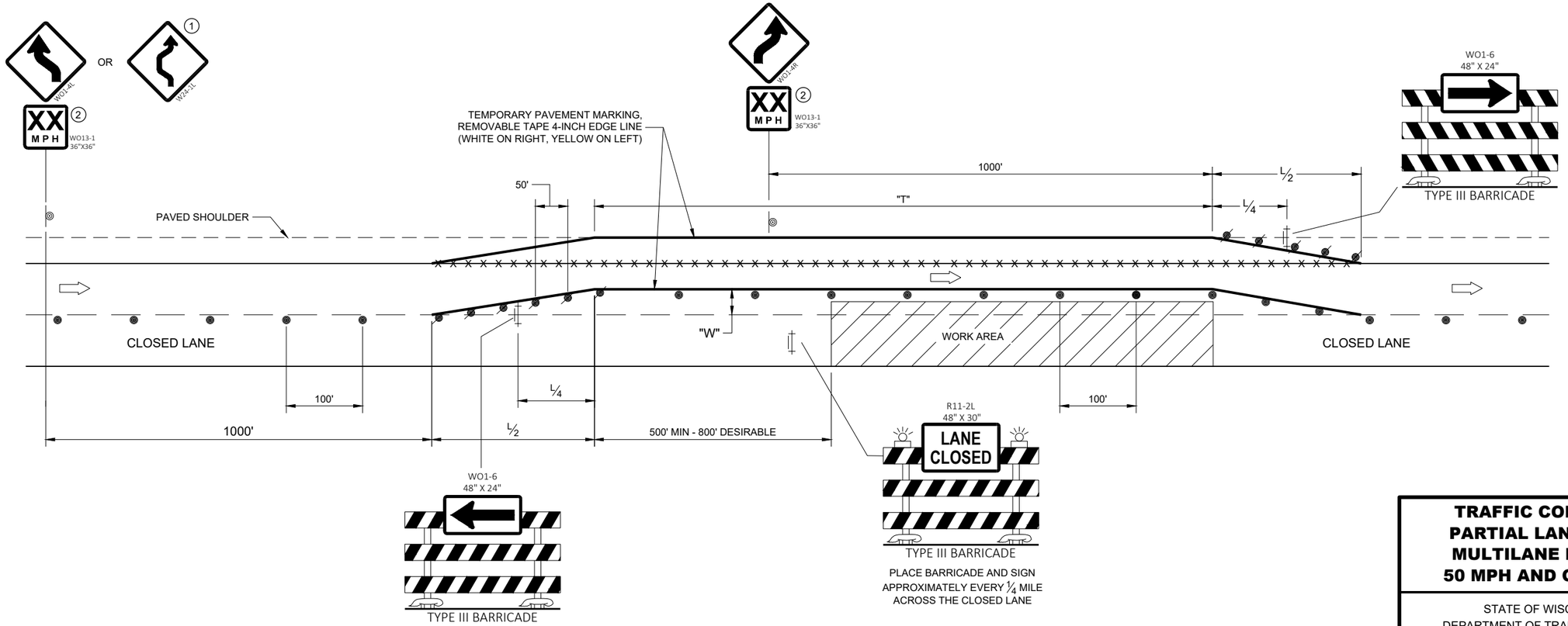
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315



TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE
/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 15D40 - 02d

6
SDD 15D40 - 02d

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

CONCRETE BARRIER TEMPORARY PRECAST

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

L, TAPER LENGTH (MPH)							
SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	450	495	540	585	630	675	720
50	500	550	600	650	700	750	800
55	550	605	660	715	770	825	880
60	600	660	720	780	840	900	960
65	650	715	780	845	910	975	1040
70	700	770	840	910	980	1050	1120



OR



LOCATED 3000 FEET BEYOND THE "ROAD WORK 1 MILE" (W20-1F) SIGN



R2-1
48"X60"

OR



R2-1
48"X60"

(BLACK AND WHITE) LOCATED 700 FEET BEYOND THE W03-5 SIGN

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 MILES.

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

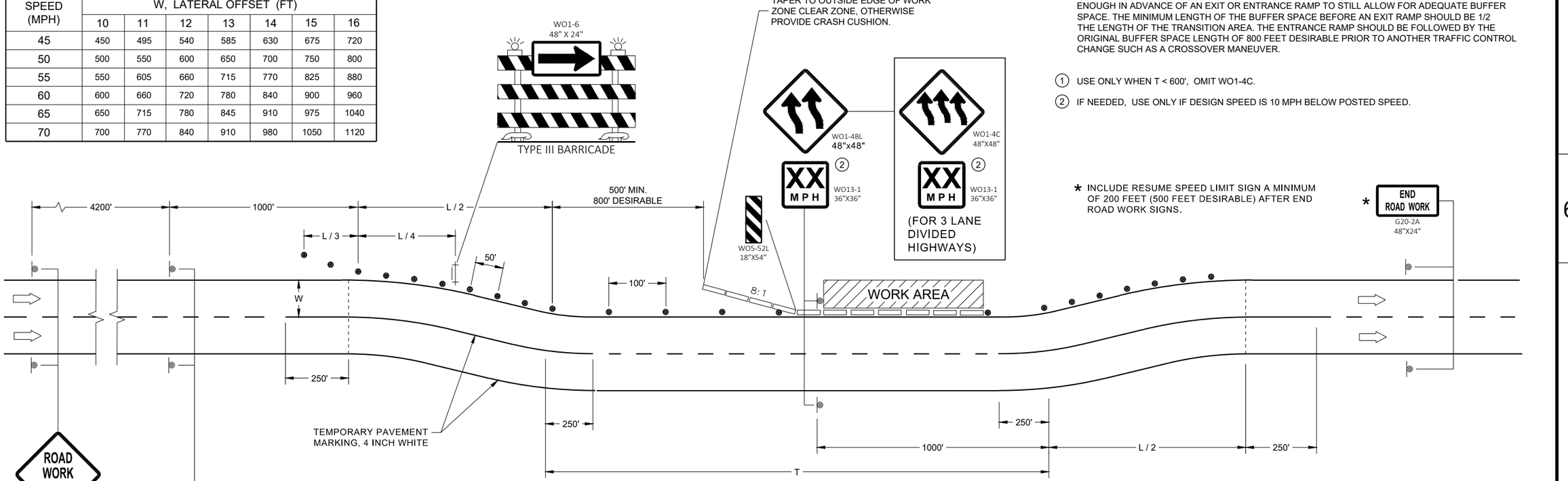
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

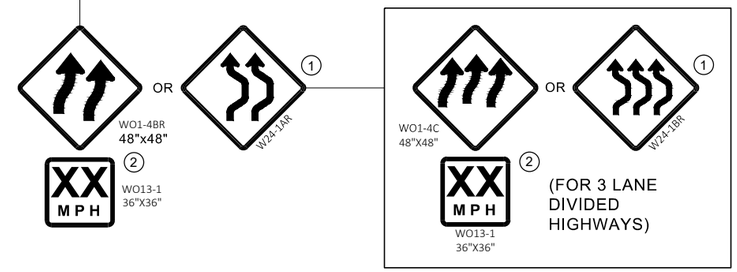
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY WHEN T < 600', OMIT WO1-4C.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.





MULTIPLE LANE SHIFT MULTILANE DIVIDED ROAD

TRAFFIC CONTROL
MULTIPLE LANE SHIFT
MULTILANE DIVIDED ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
774

FHWA

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SDD 15D41 - 01

6

SDD 15D41 - 01

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- DELINEATOR, FLEXIBLE TUBULAR MARKER
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- CONSTRUCTION TRAFFIC
- WORK AREA
- CC — CRASH CUSHION TEMPORARY
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

WORK ZONE INGRESS/EGRESS LOCATIONS SHALL BE APPROVED BY THE ENGINEER. LOCATIONS FOR WORK ZONE ACCESS TO/FROM THE FREEWAY SHALL NOT BE USED FOR INGRESS AND EGRESS AT THE SAME TIME.

THIS ACCESS DETAIL IS TYPICAL FOR LEFT LANE ACCESS, FOR RIGHT LANE ACCESS, REVERSE THE TRAFFIC CONTROL

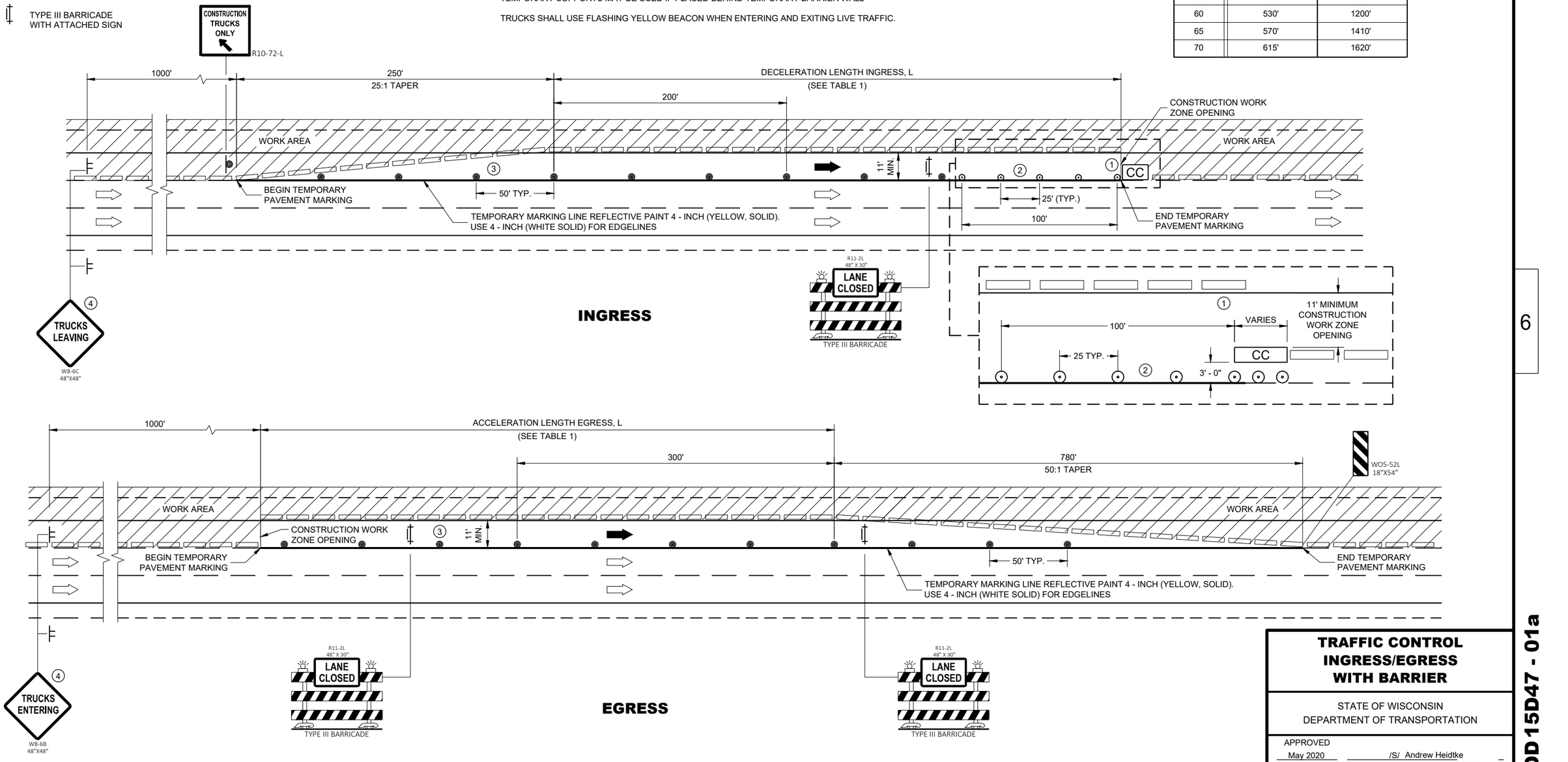
TEMPORARY SUPPORTS MAY BE USED IF PLACED BEHIND TEMPORARY BARRIER WALL

TRUCKS SHALL USE FLASHING YELLOW BEACON WHEN ENTERING AND EXITING LIVE TRAFFIC.

1. WIDEN BARRIER AS NECESSARY TO ACCOMMODATE CRASH CUSHION WIDTH.
2. USE TUBULAR MARKERS TO HELP DELINEATE TEMPORARY CRASH CUSHION.
3. REMOVE DRUMS / BARRICADES WHEN INGRESS / EGRESS ARE IN USE.
4. REMOVE OR COVER WHEN ACCESS IS NOT NEEDED.

TABLE 1

S (MPH)	INGRESS, L	EGRESS, L
50	435'	720'
55	480'	960'
60	530'	1200'
65	570'	1410'
70	615'	1620'



TRAFFIC CONTROL INGRESS/EGRESS WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

775

FHWA

SDD 15D47 - 01a

SDD 15D47 - 01a

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE WITH ATTACHED SIGN

DIRECTION OF TRAFFIC

CONSTRUCTION TRAFFIC

WORK AREA

TABLE 1

S (MPH)	INGRESS, L	EGRESS, L
50	435'	720'
55	480'	960'
60	530'	1200'
65	570'	1410'
70	615'	1620'

LEGEND

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

WORK ZONE INGRESS/EGRESS LOCATIONS SHALL BE APPROVED BY THE ENGINEER. LOCATIONS FOR WORK ZONE ACCESS TO/FROM THE FREEWAY SHALL NOT BE USED FOR INGRESS AND EGRESS AT THE SAME TIME.

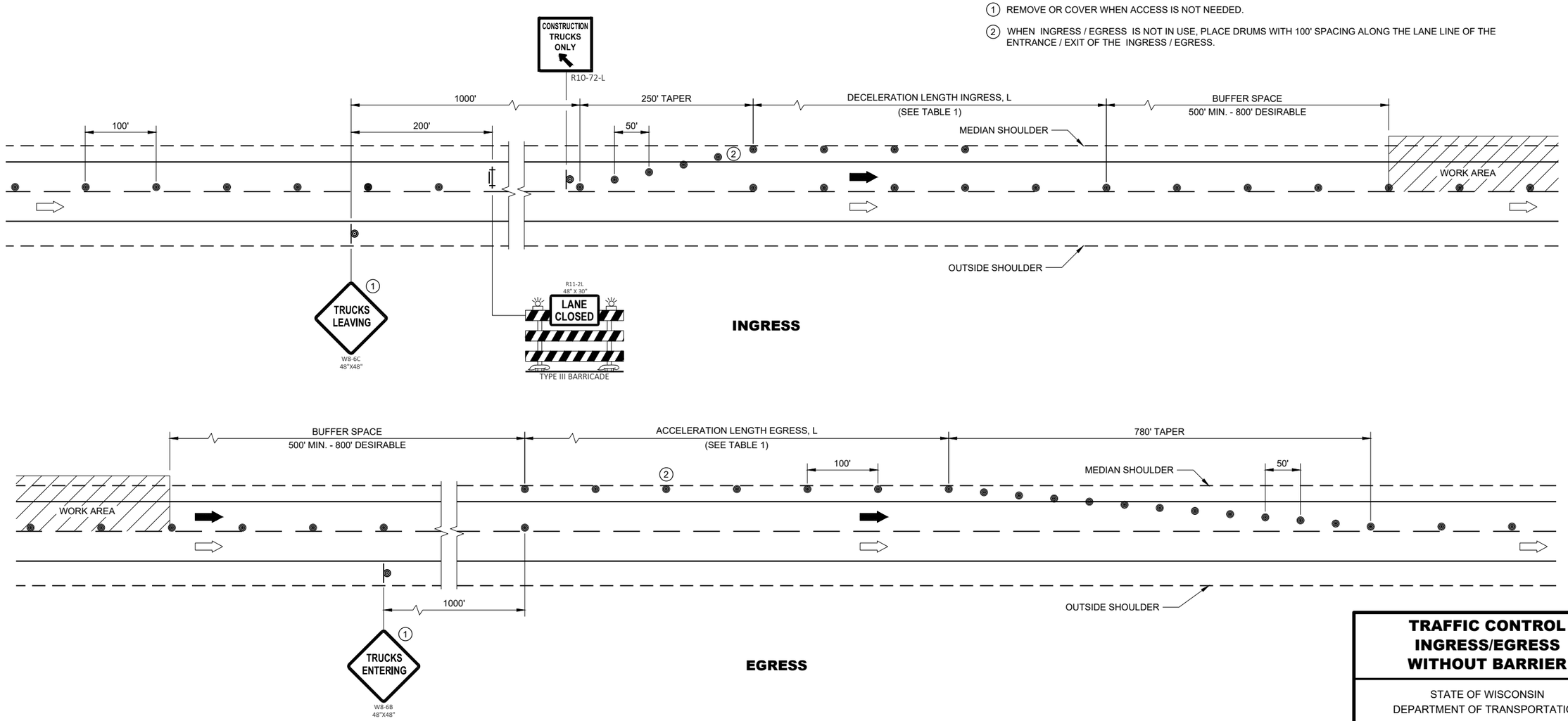
THIS ACCESS DETAIL IS TYPICAL FOR LEFT LANE ACCESS, FOR RIGHT LANE ACCESS, REVERSE THE TRAFFIC CONTROL

TEMPORARY SUPPORTS MAY BE USED IF PLACED BEHIND TEMPORARY BARRIER WALL

TRUCKS SHALL USE FLASHING YELLOW BEACON WHEN ENTERING AND EXITING LIVE TRAFFIC.

(1) REMOVE OR COVER WHEN ACCESS IS NOT NEEDED.

(2) WHEN INGRESS / EGRESS IS NOT IN USE, PLACE DRUMS WITH 100' SPACING ALONG THE LANE LINE OF THE ENTRANCE / EXIT OF THE INGRESS / EGRESS.



TRAFFIC CONTROL INGRESS/EGRESS WITHOUT BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

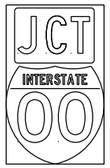
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SDD 15D47 - 01b

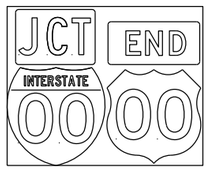
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SDD 15D47 - 01b

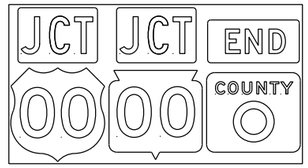
TYPICAL ASSEMBLIES



J1-1



J1-2



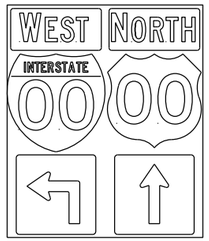
J1-3



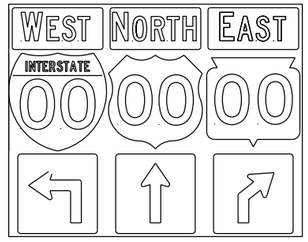
JR1-1



J2-1



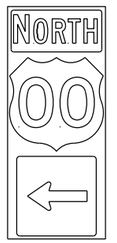
J2-2



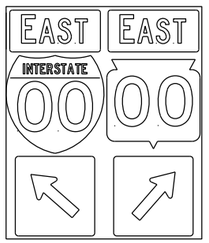
J2-3



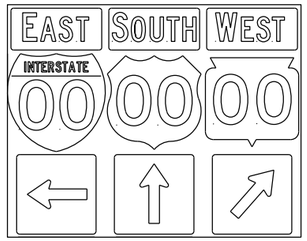
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



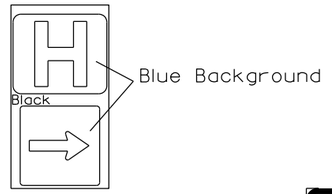
J3-1



J3-2



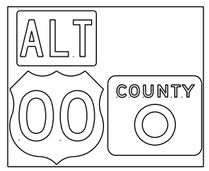
J3-3



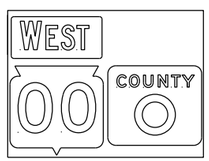
Blue Background
JH-1



J4-1



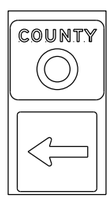
J4-2



J4-2



J12-1



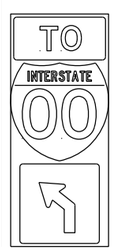
J13-1



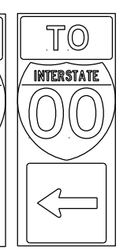
J32-1



J33-1



J22-1



J23-1



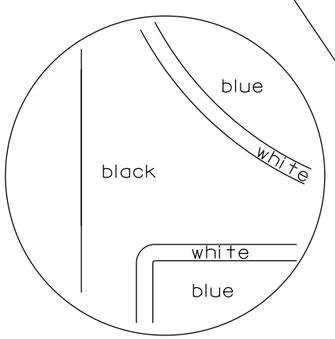
JR13-1

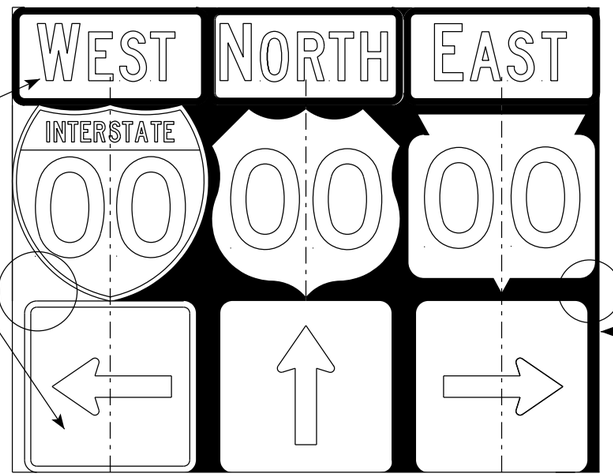


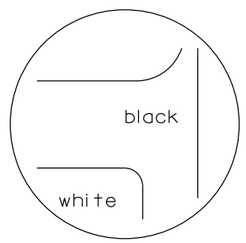
JR23-1



JR99-1







black background

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

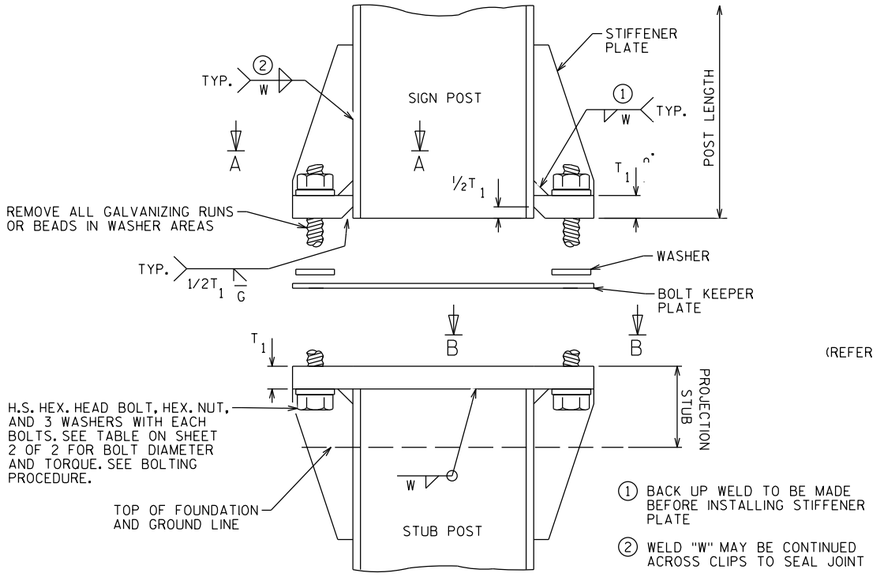
SHEET NO: 777 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

7

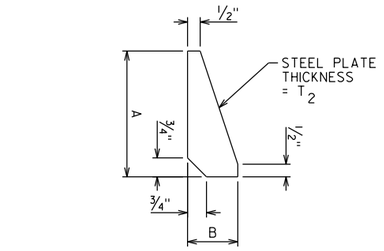
7



① BACK UP WELD TO BE MADE BEFORE INSTALLING STIFFENER PLATE

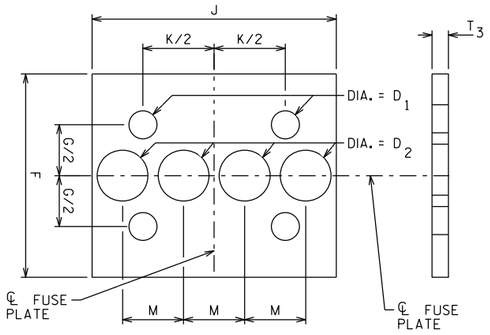
② WELD "W" MAY BE CONTINUED ACROSS CLIPS TO SEAL JOINT

SIGN POST & STUB POST ELEVATION



STIFFENER PLATE DETAIL

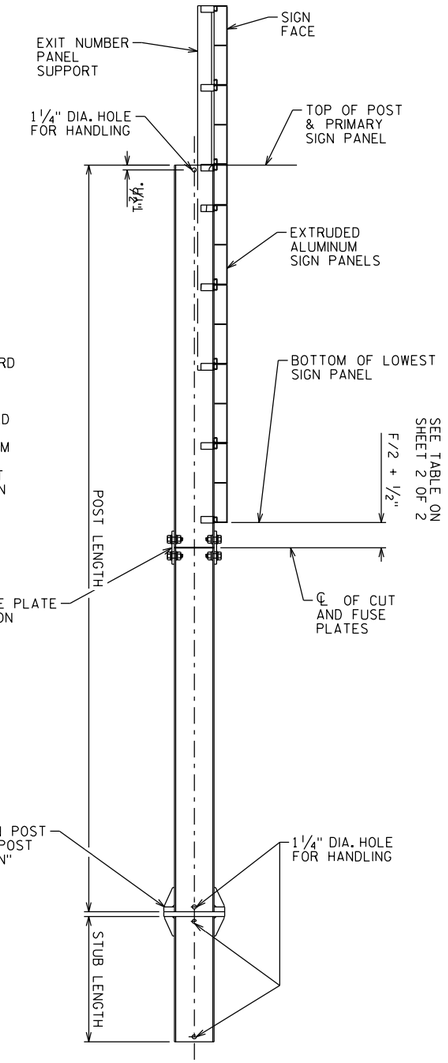
(REFER TO TABLE ON SHEET 2 OF 2 FOR DIMENSIONS)



PERFORATED FUSE PLATE DETAIL

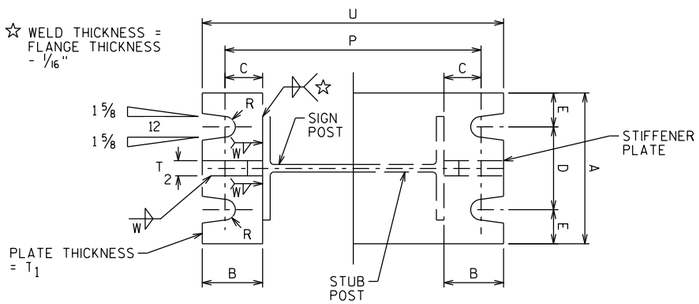
USE H.S. HEX HEAD BOLTS, HEX HEAD NUT AND FLAT WASHER UNDER NUT. INSTALL BOLTS PER THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 506.3.12.3.

ALL HOLES SHALL BE DRILLED, SUB-PUNCHED AND REAMED. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GROUND. METAL PROJECTING BEYOND THE PLANE OF THE PLATE FACE WILL NOT BE PERMITTED. STEEL FUSE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36. ASTM A572 GRADE 50 OR ASTM A588 MAY BE SUBSTITUTED FOR A36 AT THE OPTION OF THE FABRICATOR. MILL TEST REPORTS SHALL BE SUBMITTED FOR FUSE PLATES. STEEL USED SHALL HAVE AN ULTIMATE TENSILE STRENGTH NOT TO EXCEED 80 KSI.



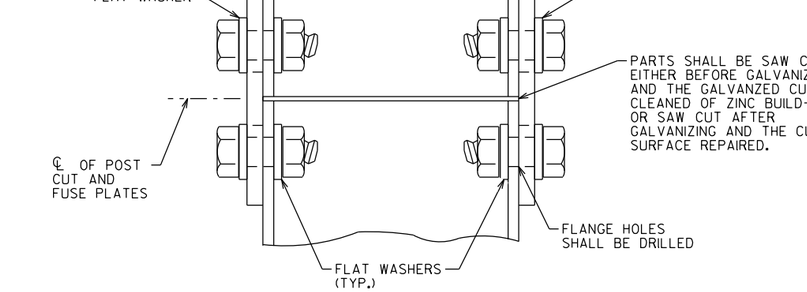
POST DETAIL

☆ WELD THICKNESS = FLANGE THICKNESS - 1/16"

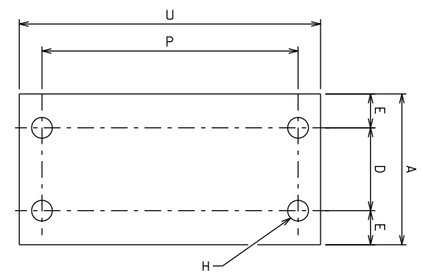


SECTION A-A

SECTION B-B



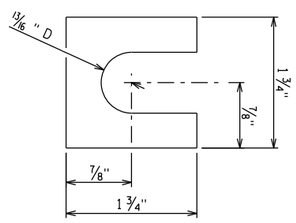
FUSE PLATE CONNECTION DETAIL



H = BOLT DIA. + 1/8"

BOLT KEEPER PLATE DETAIL

30 GA GALVANIZED SHEET STEEL



SHIM DETAIL

FURNISH TWO .012"± THICK AND TWO .032"± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B36.

BOLTING PROCEDURE FOR BASE CONNECTION

1. ASSEMBLE SIGN POST, BOLT KEEPER PLATE, AND STUB POST WITH BOLTS AND THREE FLAT WASHERS PER BOLT AS SHOWN.
2. SHIM AS REQUIRED TO PLUMB POST.
3. PRIOR TO BOLT TIGHTENING, LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS.
5. LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PERSCRIBED TORQUE. (SEE TABLE FOR PERSCRIBED TORQUE). DO NOT OVER-TIGHTEN.
6. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

DRAWN BY	PLANS CK'D.

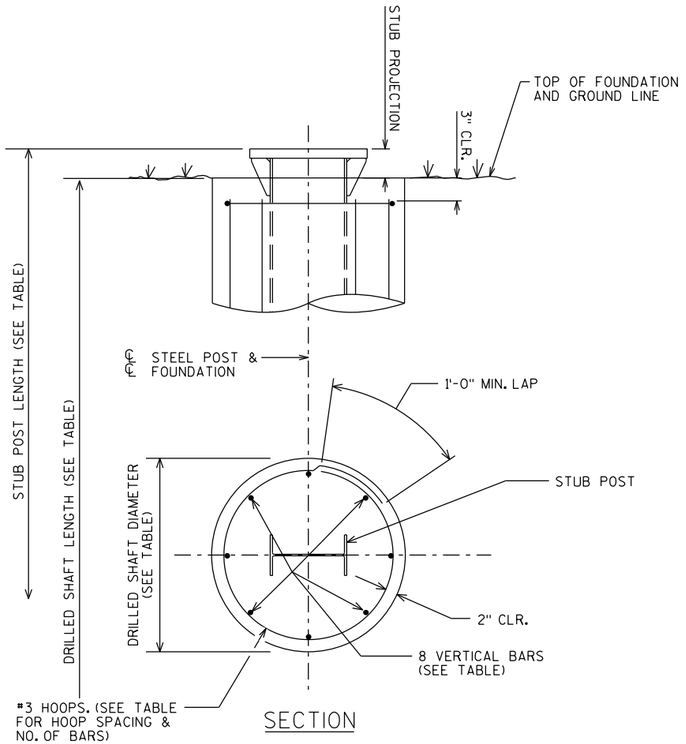
CONNECTION & FOUNDATION DETAILS 1 OF 2

SHEET A3-1.20

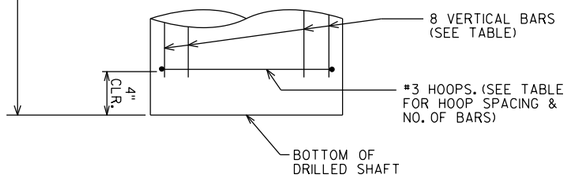
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7

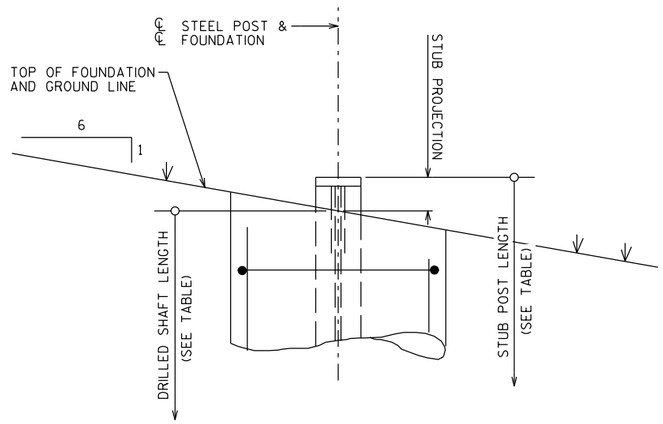
7



SECTION



FOUNDATION DETAIL



SHAFT PLACEMENT

FOUNDATION DATA TABLE

POST SHAPE	STUB LENGTH	STUB PROJECTION	DRILLED SHAFT DIAMETER	DRILLED SHAFT LENGTH	VERTICAL BARS		HOOPS		CONCRETE VOLUME ◆	TOTAL REINF. WEIGHT ◆
					SIZE	LENGTH	MAX SPA.	NO.		
W6X15	2'-6"	3"	24"	6'-6"	#5	5'-11"	10"	9	0.8 CY	71 LB
W8X18	2'-6"	3"	24"	7'-6"	#6	6'-11"	12"	8	0.9 CY	102 LB
W8X21	3'-0"	2½"	24"	8'-0"	#6	7'-5"	12"	9	1.0 CY	110 LB
W10X22	3'-0"	2½"	24"	8'-6"	#7	7'-11"	12"	9	1.0 CY	151 LB
W12X26	3'-0"	2½"	24"	10'-0"	#7	9'-5"	12"	11	1.2 CY	180 LB

◆ QUANTITIES SHOWN ARE FOR ONE DRILLED SHAFT

BASE CONNECTION & FUSE PLATE DATA TABLE

POST SHAPE	WEIGHT PER FOOT	BASE CONNECTION DATA: BOLT SIZE & TORQUE	A	B	C	D	E	T1	T2	W	R	BOLT KEEPER PLATE DATA: P	U	PERFORATED FUSE PLATE DATA: F	G	J	K	M	D1	D2	T3	BOLT DIA.	WGT. EA. LBS	BOLT LENGTH	V ◪
W6X15	15 LB	⅝" DIA. X 4" 36 TO 38 FT-LB	5"	2"	1¼"	2¾"	1⅛"	1¼"	½"	¼"	11/32"	8½"	10"	5"	2½"	6"	3½"	1½"	11/16"	1¼"	⅜"	⅝"	2.4	2	73.0 LB
W8X18	18 LB											10⅝"	12⅛"	5"	2½"	5¼"	2¾"	1¼"	11/16"	1 1/16"	⅜"	⅝"	2.0	2	83.0 LB
W8X21	21 LB	¾" DIA. X 4¾" 62 TO 63 FT-LB	6"	2¼"	1⅜"	3½"	1¼"	1½"	¾"	5/16"	13/32"	11"	12¾"	5½"	2½"	5¼"	2¾"	1¼"	13/16"	1"	½"	¾"	3.1	2¼"	124.0 LB
W10X22	22 LB											12⅞"	14⅝"	6"	3"	5¾"	2¾"	1⅜"	13/16"	1⅛"	½"	¾"	3.9	2¼"	134.0 LB
W12X26	26 LB											15"	16¾"	6"	3"	6½"	3½"	1⅝"	13/16"	1 5/16"	½"	¾"	4.5	2¼"	152.0 LB

◪ TOTAL STRUCTURAL CARBON STEEL WEIGHT FOR ONE POST = V + (POST LENGTH X POST WEIGHT PER FOOT)

"V" INCLUDES STUB POST, BASE PLATES, STIFFENER PLATES, PERFORATED FUSE PLATES, BOLTS, NUTS, AND WASHERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

MATERIALS SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506, UNLESS NOTED OTHERWISE.

FABRICATION SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506.

ALL POST, POST STUBS & ATTACHMENTS SHALL BE ASTM A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.

THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST, FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.

H.S. BOLTS, WASHERS, & NUTS SHALL BE A325 GALVANIZED.

FOUNDATION MATERIAL PROPERTIES

CONCRETE MASONRY	F'C = 3,500 P.S.I.
BAR STEEL REINFORCEMENT (UNCOATED), GRADE 60	FY = 60,000 P.S.I.

DESIGN DATA

DESIGN CONFORMS TO AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS 1ST EDITION 2015 (WITH 2017 & 2018 INTERIM REVISIONS).

DEAD LOADS (DL):

- STEEL POST SELF WEIGHT
- SIGN PANEL WEIGHT = 3 PSF

WIND LOADS (WL):

WIND LOADS WERE APPLIED TO THE PROJECTED AREAS OF THE SIGN PANELS AND THE STEEL SIGN POSTS.

- BASIC WIND SPEED = 76 MPH
- MEAN RECURRANCE INTERVAL (MRI) = 10 YEARS
- HEIGHT & EXPOSURE FACTOR = 1.00
- DIRECTIONALITY FACTOR = 0.85
- GUST EFFECT FACTOR = 1.14

WIND LOAD CASES:

- WL CASE 1: 1.0 X NORMAL WIND
- WL CASE 2: 1.0 X TRANSVERSE WIND
- WL CASE 3: 0.75 X NORMAL WIND + 0.75 X TRANSVERSE WIND

LOAD COMBINATIONS:

LOAD COMBINATION	TYPE	DL FACTOR	WL FACTOR
STRENGTH I	GRAVITY	1.25	-
EXTREME I	WIND	1.10	1.0
		0.9	1.0
SERVICE I	DEFLECTION	1.0	1.0

FOUNDATION DESIGN DATA

THE FOUNDATION DESIGN ASSUMED COHESIONLESS SOILS (LOOSE SAND) ABOVE THE WATER TABLE WITH THE FOLLOWING PROPERTIES:

- SOIL UNIT WEIGHT = 115 PCF
- ANGLE OF INTERNAL FRICTION = 24 DEGREES
- SOIL MODULUS PARAMETER = 25 LB/IN3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

DRAWN BY | PLANS CK'D.

CONNECTION & FOUNDATION DETAILS 2 OF 2

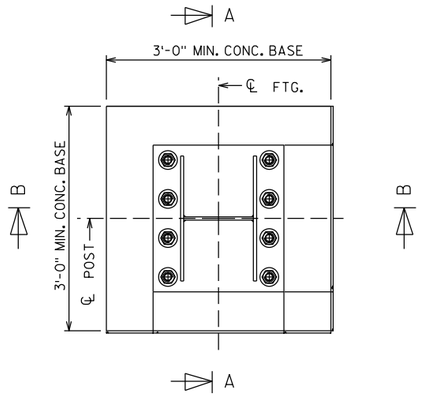
SHEET A3-1.20

779

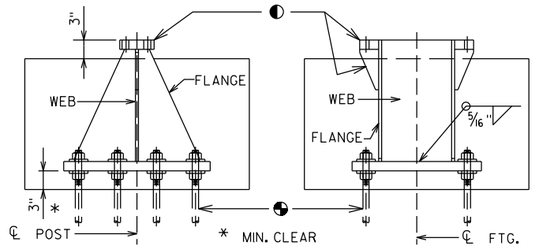
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7

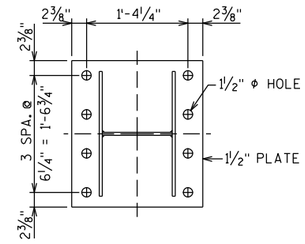
STUB AND ADHESIVE ANCHOR DETAILS



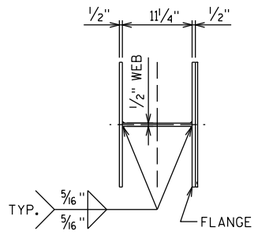
STUB SECTION



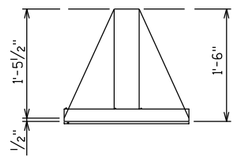
SECTION A-A SECTION B-B



BASE PLATE



STUB



FLANGE

◐ SEE BASE CONNECTION DETAILS ON "CONNECTIONS & FOUNDATION DETAILS" SHEETS.

◔ ADHESIVE ANCHORS 1¼-INCHES. ALLOWABLE PULL OUT CAPACITY = 15 KIPS. EMBED 1'-3" INTO ROCK.

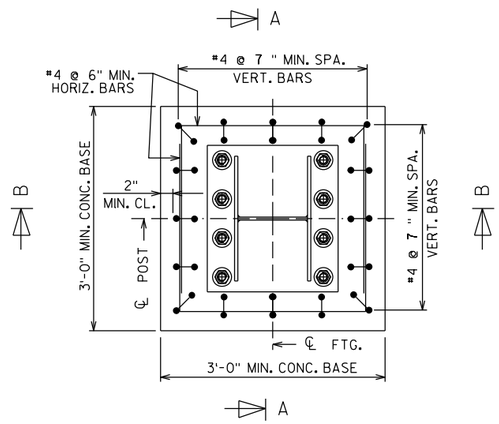
GENERAL NOTES:

QUANTITIES PER BASE:
REINFORCING STEEL = 62 LB
CONCRETE = 0.6 CY
STRUCTURAL STEEL = 335 LB

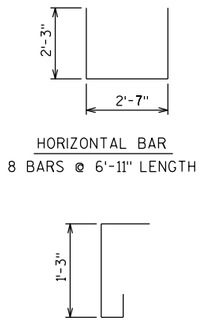
ALL MATERIALS, EXCEPT FOR ANCHOR ROD, NUTS, AND WASHERS, SHALL BE ASTM A709 GRADE 50. ALL MATERIALS TO BE GALVANIZED AFTER FABRICATION.

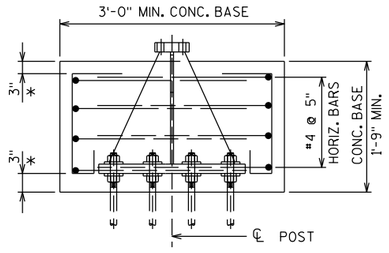
IF ROCK IS ENCOUNTERED PRIOR TO REACHING THE MINIMUM DRILLED SHAFT EMBEDMENT DEPTH DEFINED ON THE FOUNDATION DATA TABLE OF THE "CONNECTIONS & FOUNDATION DETAILS 2 OF 2" SHEET, THE CONTRACTOR SHALL INSTALL A TEST ADHESIVE ANCHOR AND DETERMINE THE PULL-OUT CAPACITY. IF THE FIELD TEST RESULTS IN A PULL-OUT CAPACITY GREATER THAN OR EQUAL TO 15 KIPS, THE CONTRACTOR MAY INSTALL THE ALTERNATE CONCRETE BASE AND BREAK-WAY STUB PER THE DETAILS ON THIS SHEET.

CONCRETE BASE DETAILS

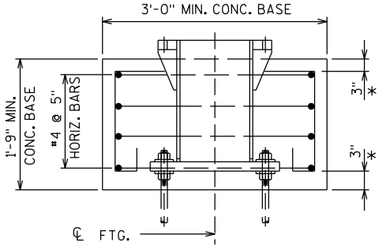


CONCRETE BASE PLAN





SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

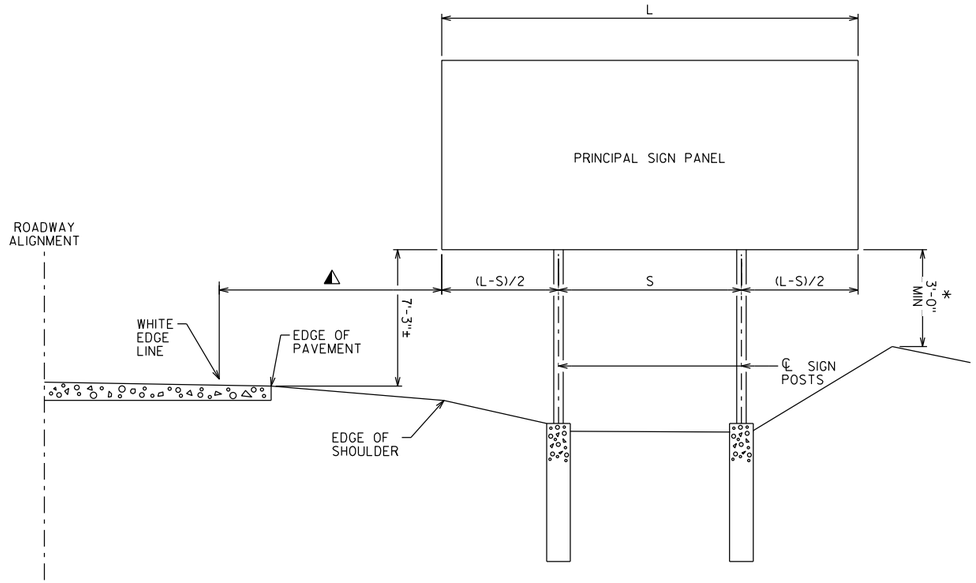
STRUCTURE BTO TYPE I SIGNS

DRAWN BY	PLANS CK'D.

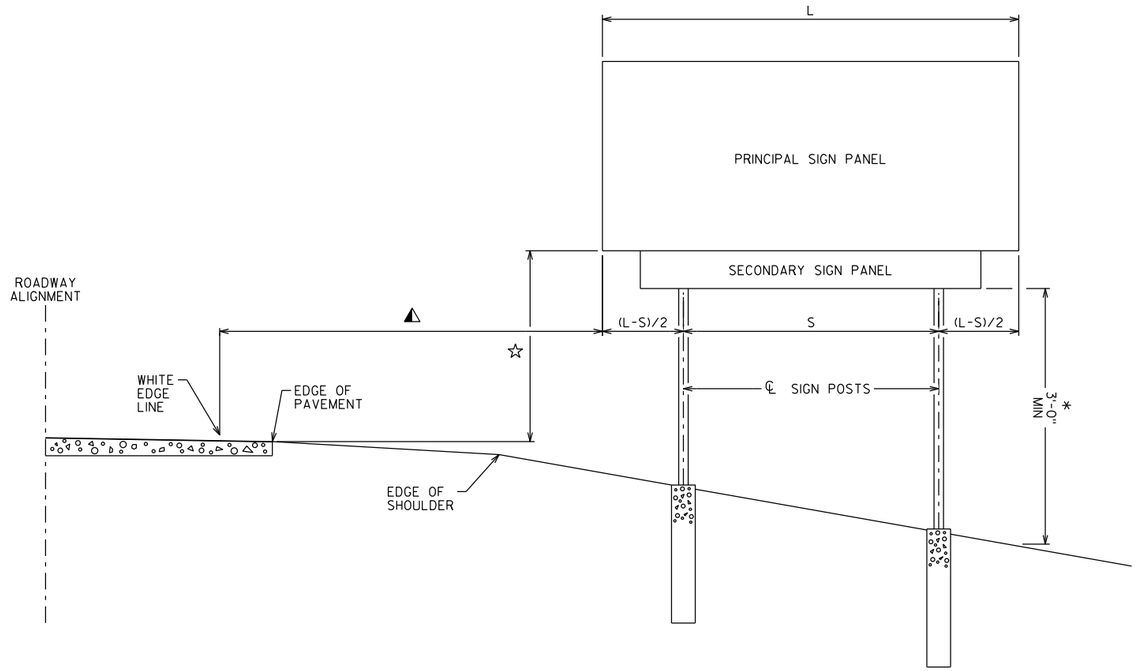
ALTERNATE BREAK-AWAY BASE ON ROCK

SHEET A3-1M.2

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INSTALLATION WITHOUT SECONDARY SIGN



INSTALLATION WITH SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

FOR A 2-POST INSTALLATION, "S" EQUALS 3L/5, BUT SHALL NOT BE LESS THAN 6'-0".

FOR A 3-POST INSTALLATION, "S" EQUALS 5L/7, BUT SHALL NOT BE LESS THAN 12'-0". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-0".

⚠ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE A MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".

THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".

THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.

☆ THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS. FOR SECONDARY SIGN HEIGHTS LARGER THAN 3'-0", THE VERTICAL CLEARANCE TO THE BOTTOM OF THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.

* THE VERTICAL SIGN GROUND CLEARANCE ON RIGHT END OF SIGN SHALL BE A MINIMUM OF 3'-0"±.

POST LENGTHS SHOWN IN THE MISCELLANEOUS QUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.

REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

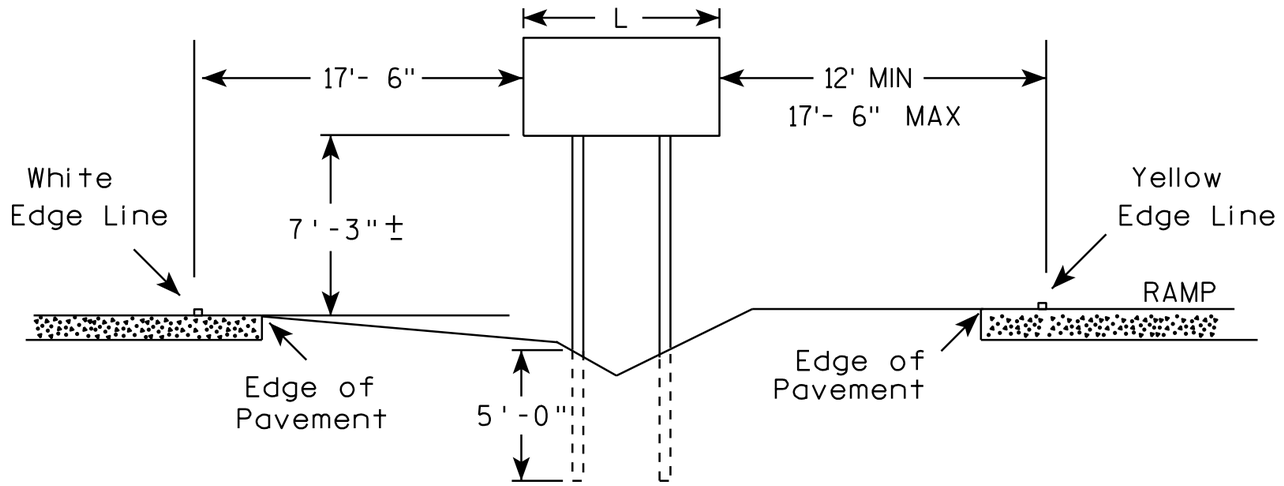
STRUCTURE BTO TYPE I SIGNS

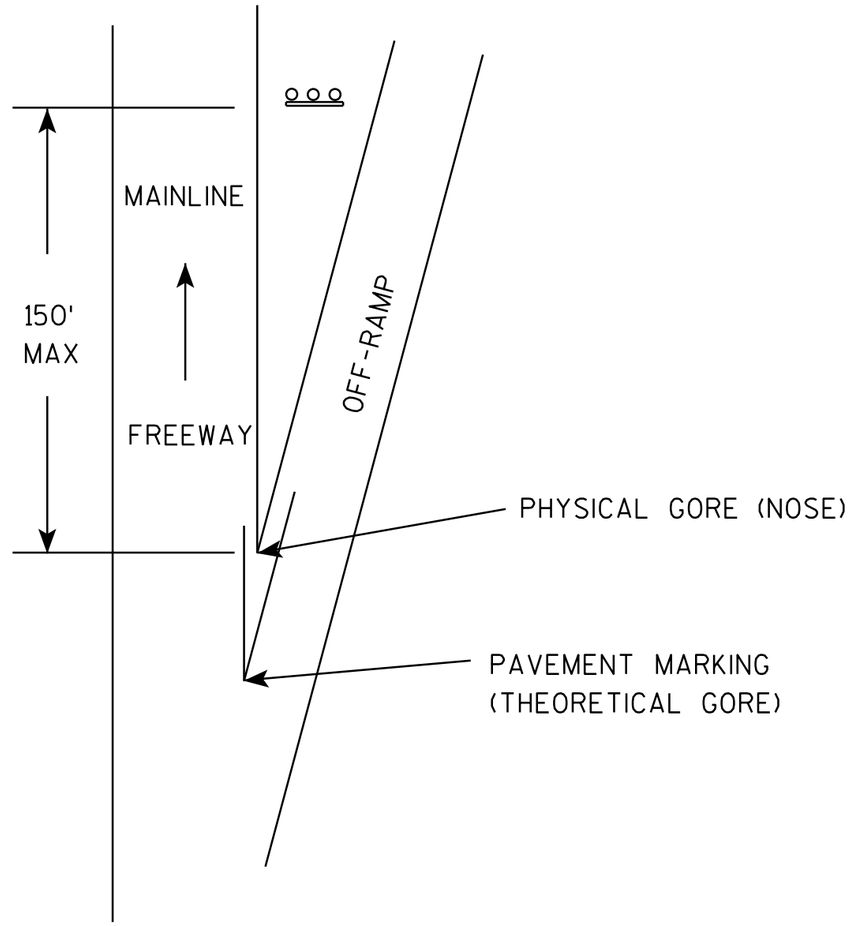
DRAWN BY | PLANS CK'D.

TYPICAL TYPE I SIGN INSTALLATION

SHEET A4-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 781 | E





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

TYPICAL INSTALLATION OF TYPE II SIGNS ON WOOD POSTS IN GORE

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

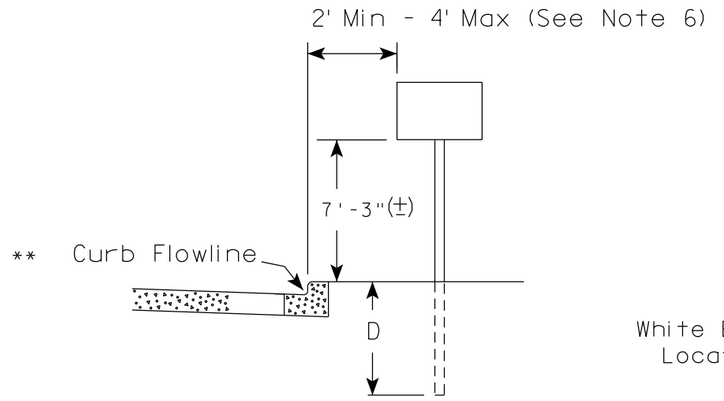
DATE 2/06/14 PLATE A4-2.3

PROJECT NO: SHEET NO: E

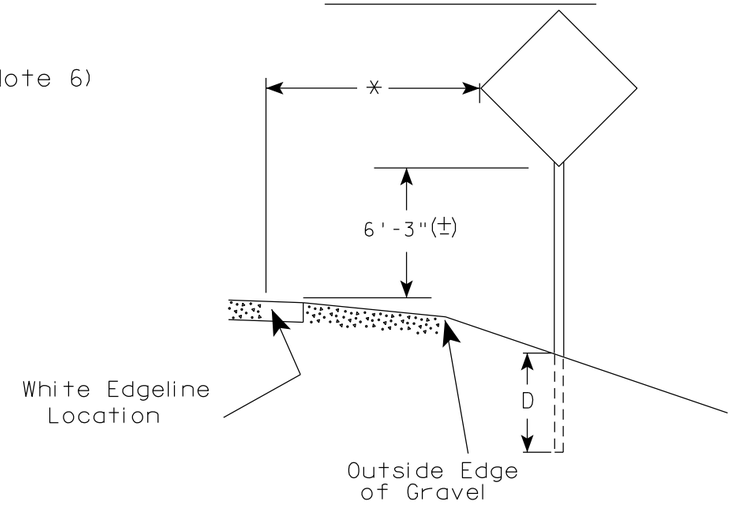
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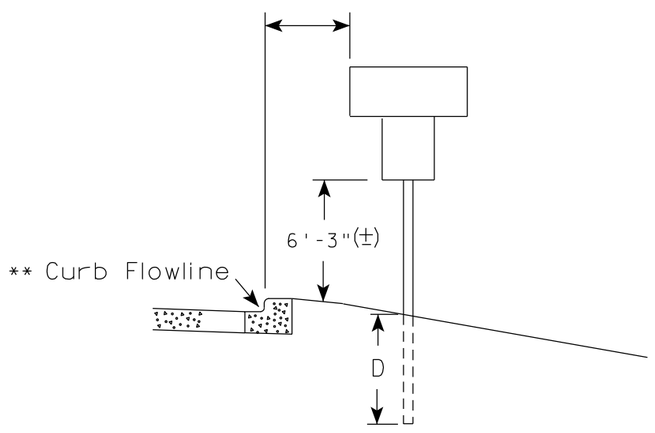
WISDOT/CADDS SHEET 42

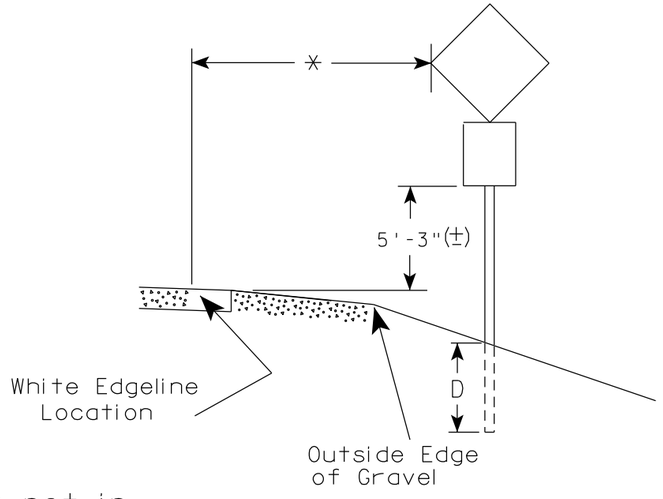
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

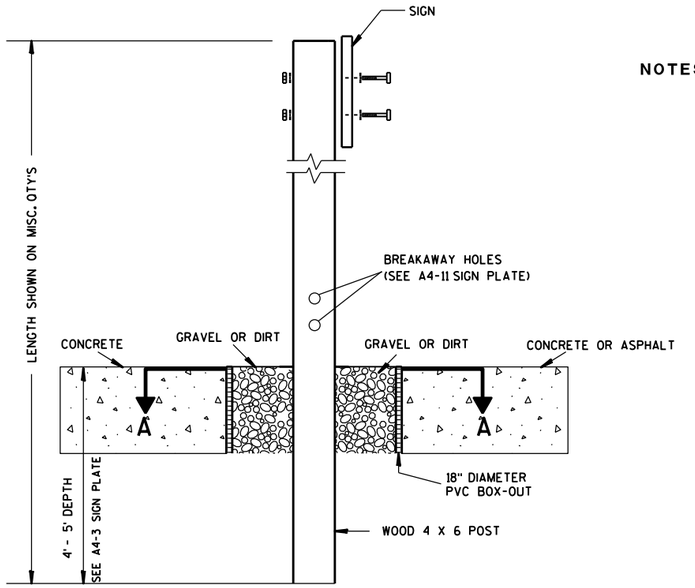
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

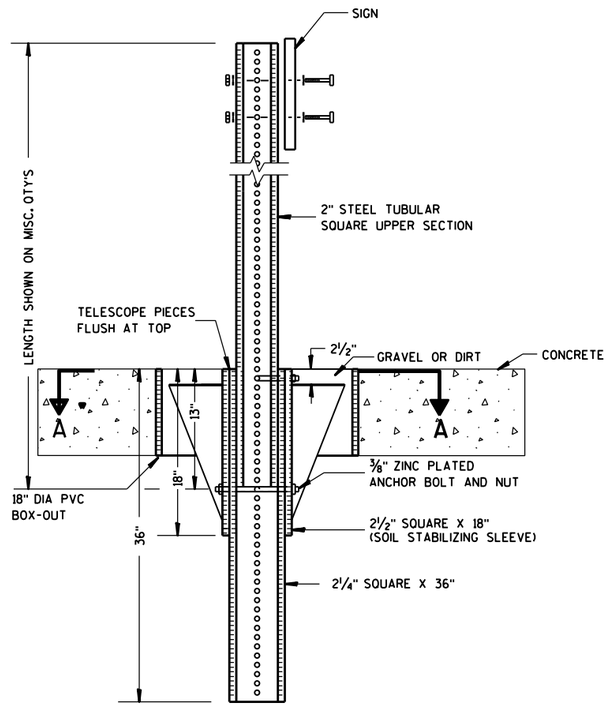
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 783	E



ELEVATION VIEW

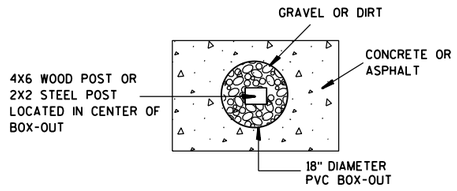
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

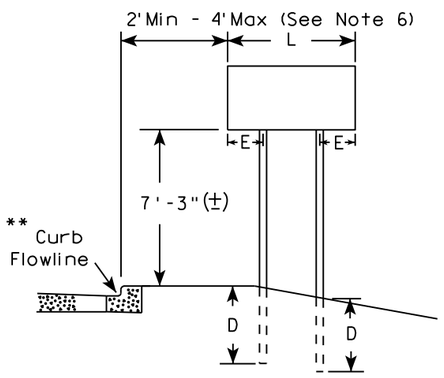
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

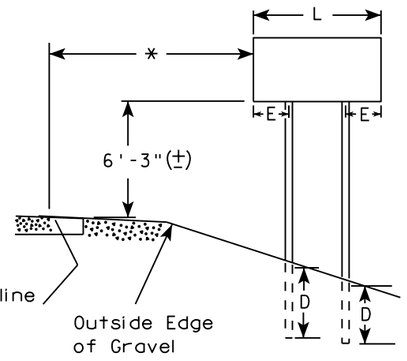
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

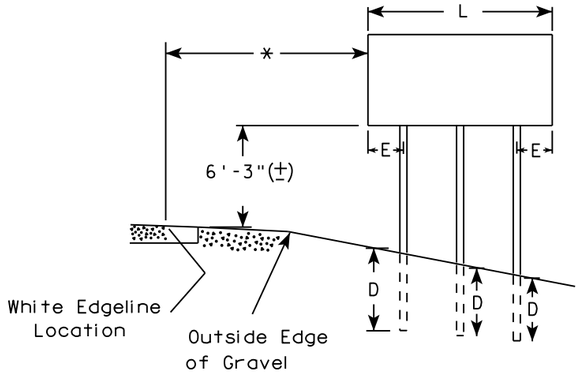
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

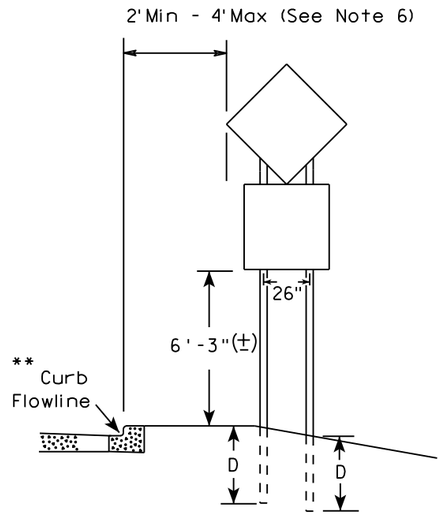
URBAN AREA



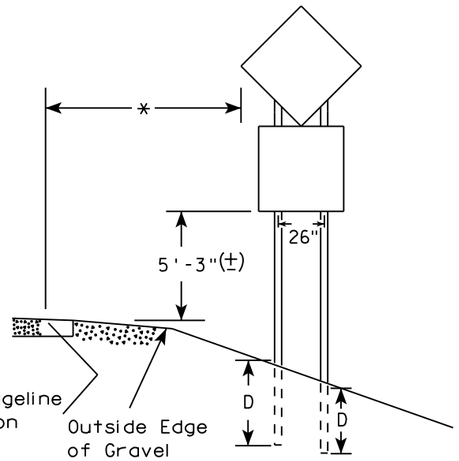
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

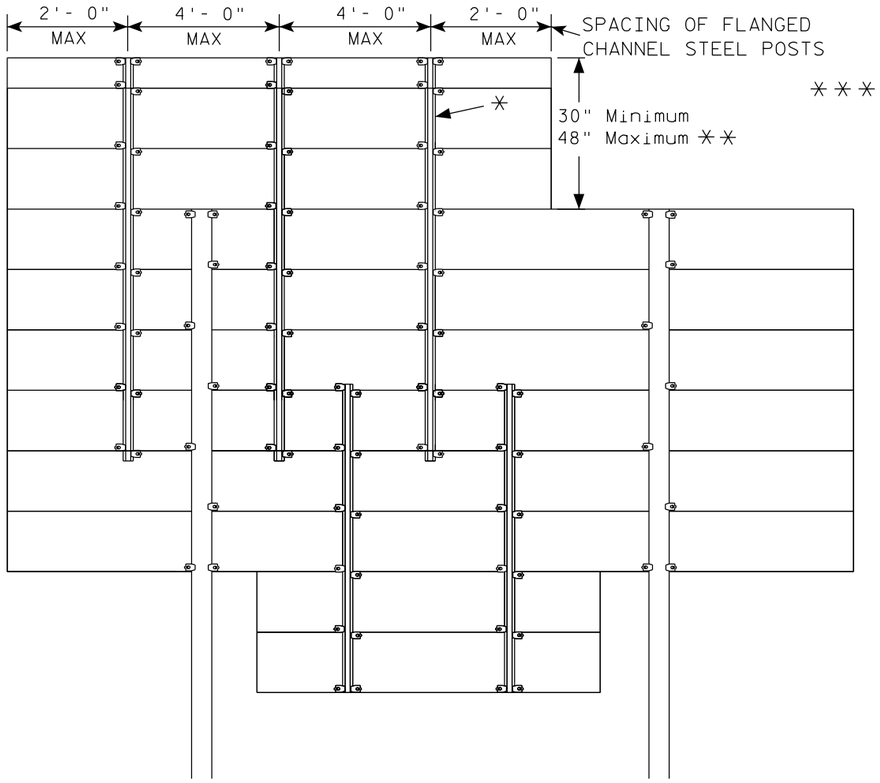
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 785	E

GROUND MOUNTED SIGN



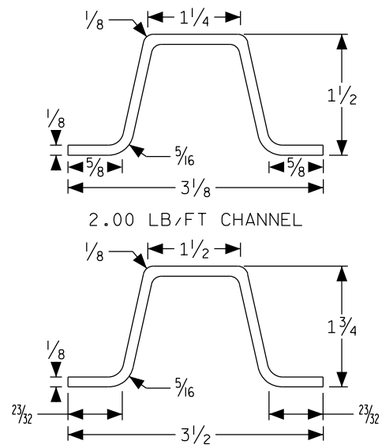
✳=2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

✳✳=FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

✳✳✳ THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 15 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 15 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAILS

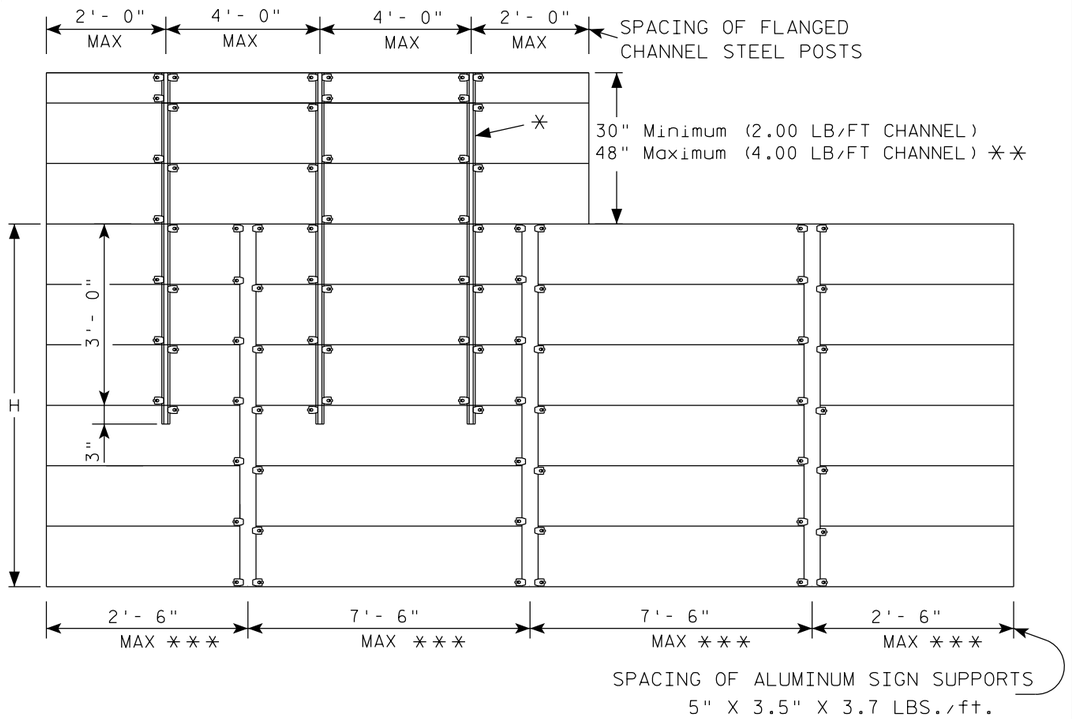
NOT TO SCALE



2.00 LB/FT CHANNEL

4.00 LB/FT CHANNEL

SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.

2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.

3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.

4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.

5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)

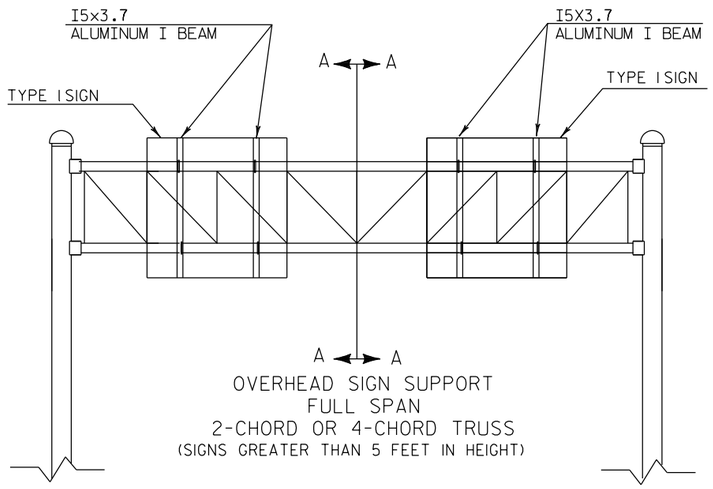
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

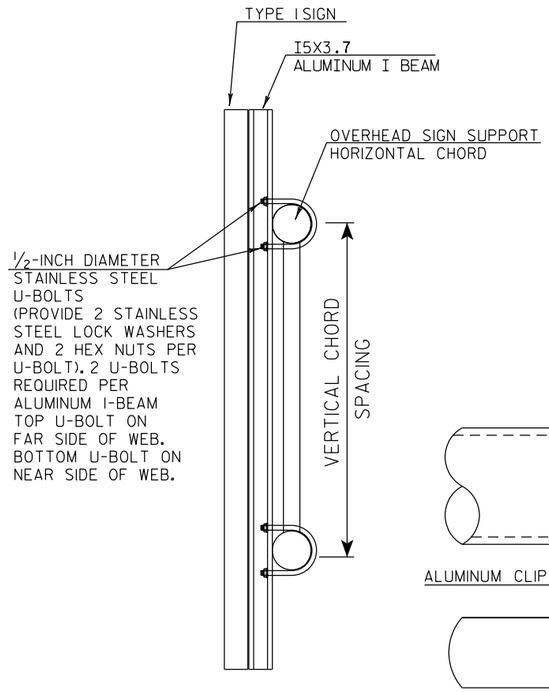
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

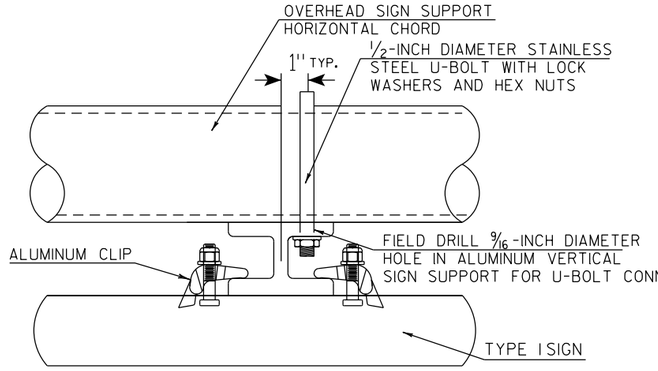
DATE 1/07/20 PLATE NO. A4-6.12



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



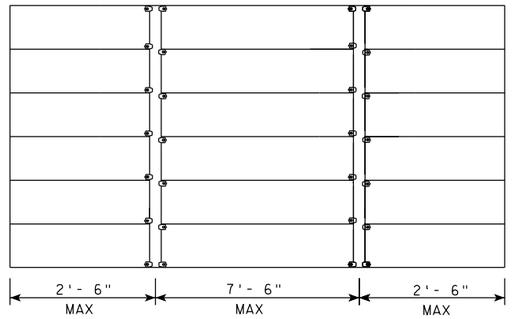
CUT SECTION A-A



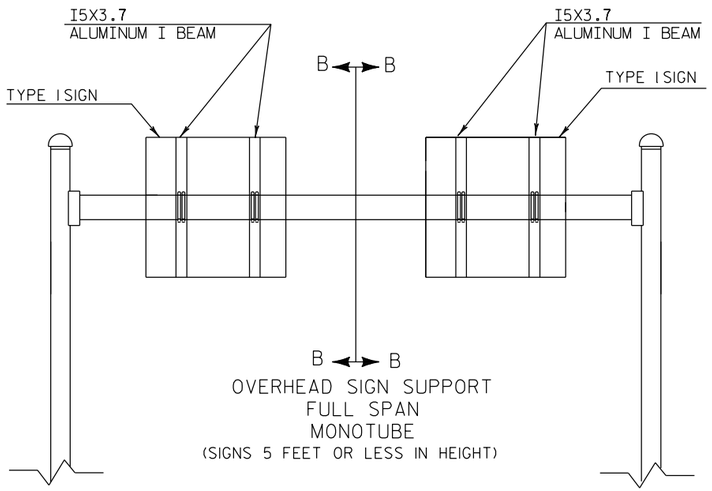
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

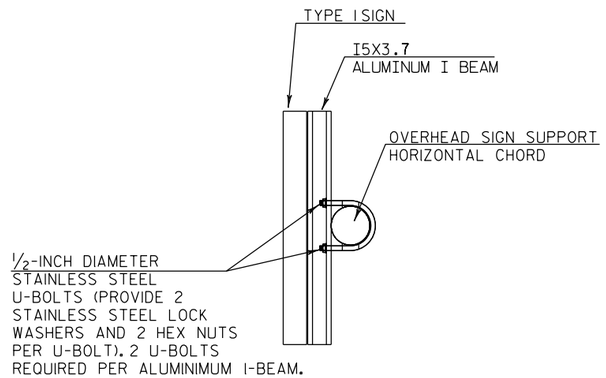
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



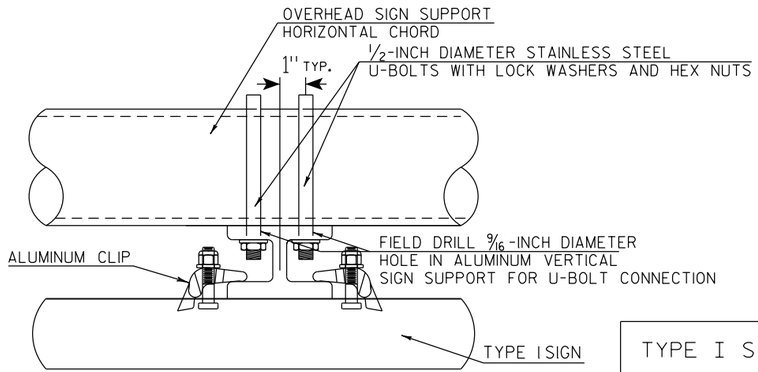
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW

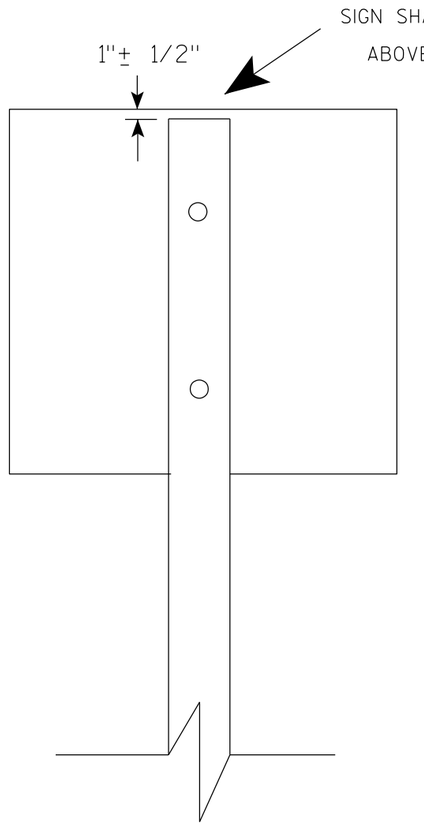
TYPE I SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

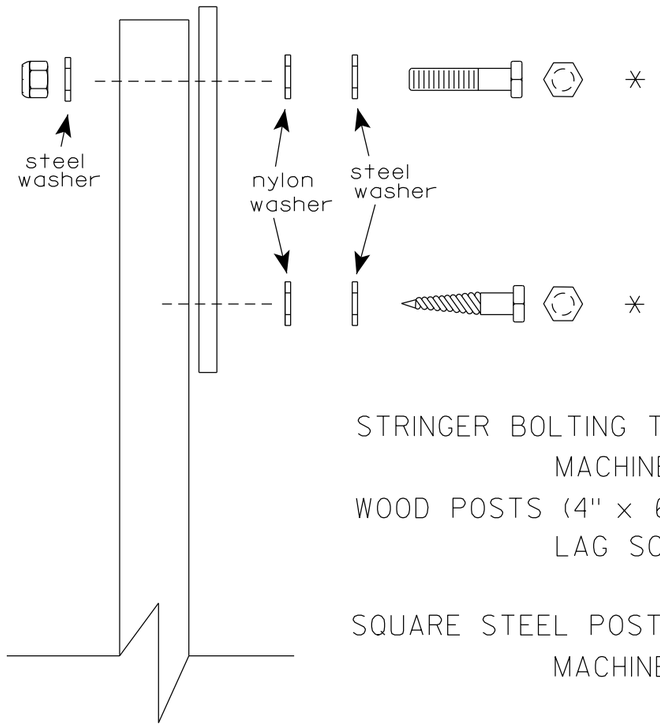
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7A.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 787	E





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

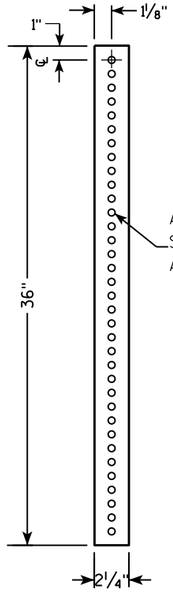
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

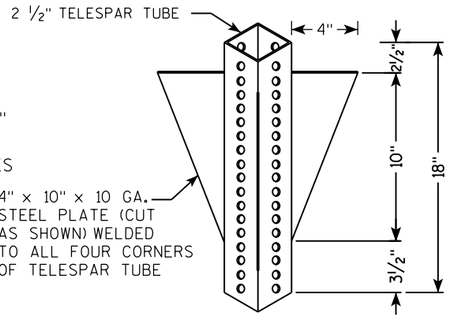
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

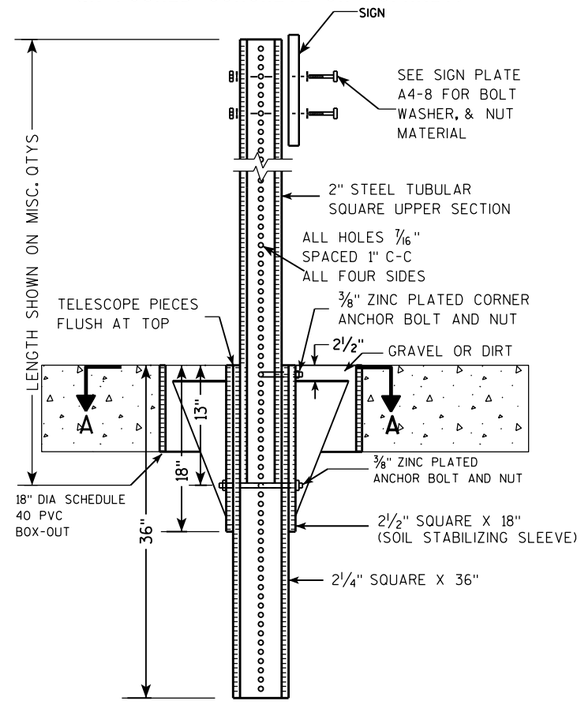
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



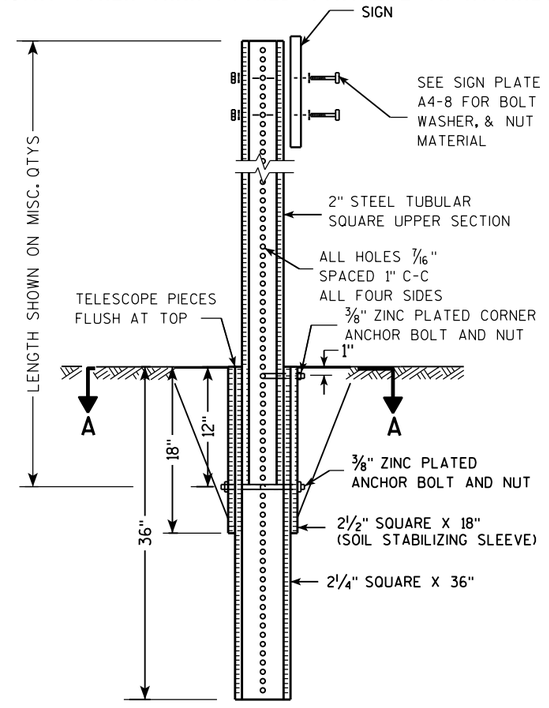
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

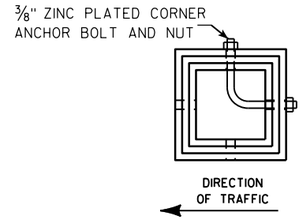


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

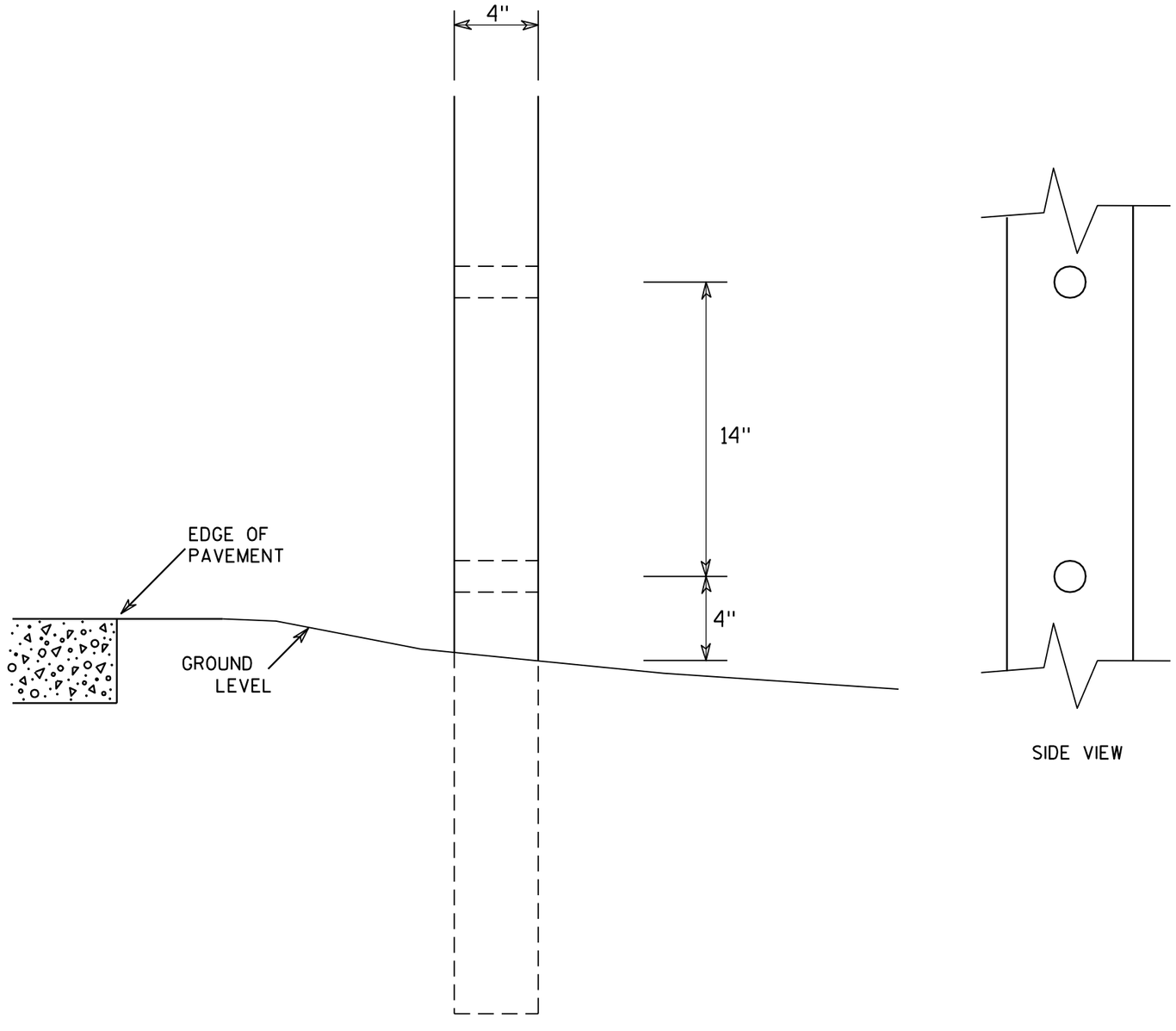
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 789 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

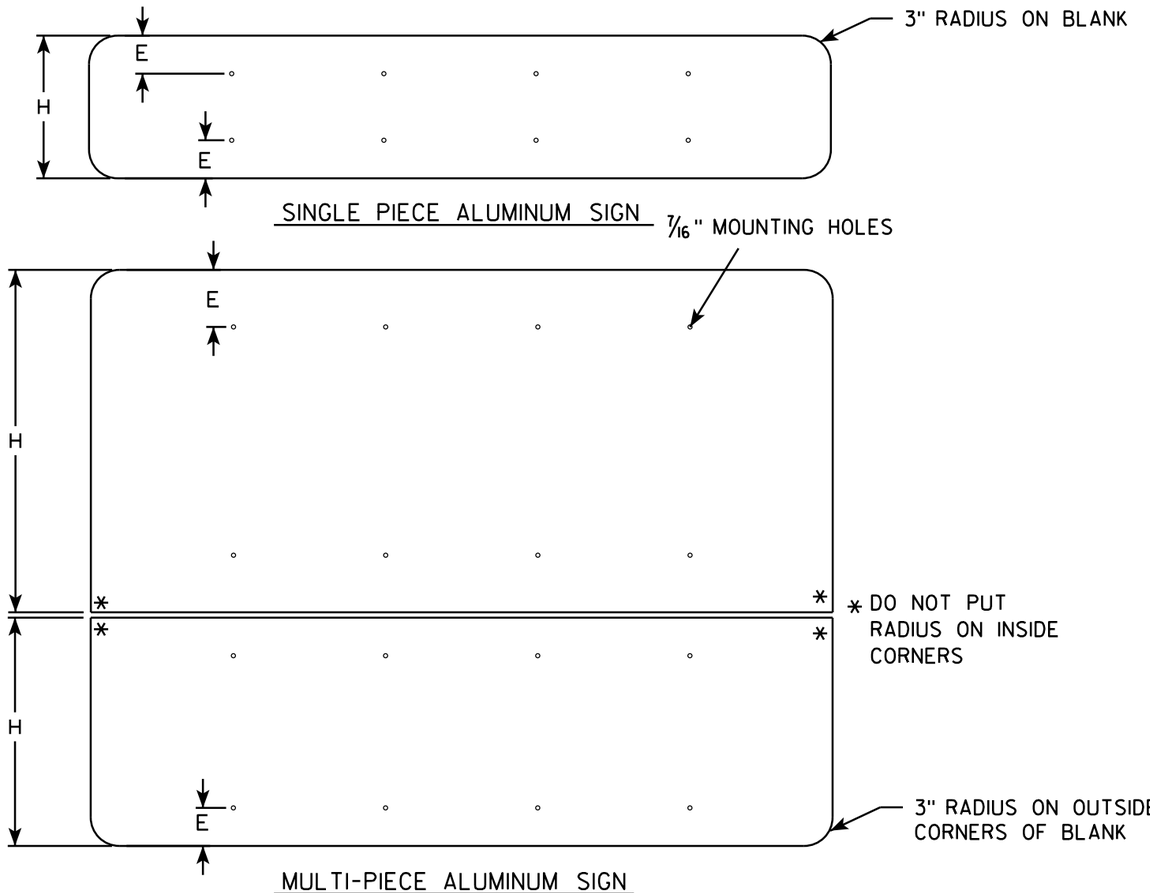
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

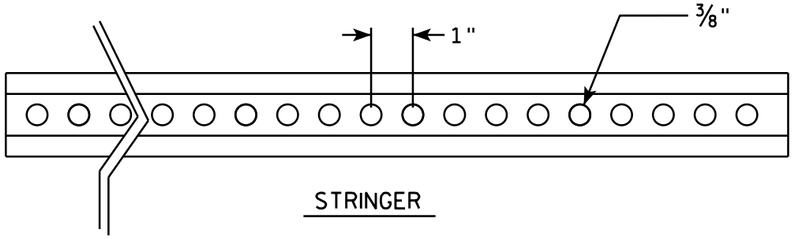
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 790	E



GENERAL NOTES

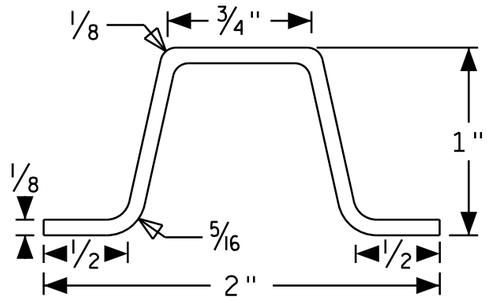
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

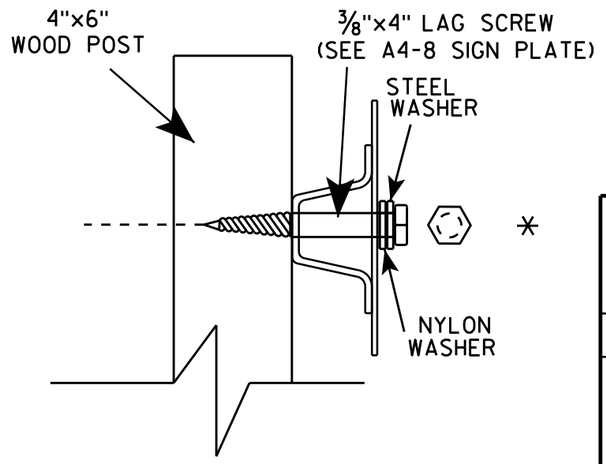


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

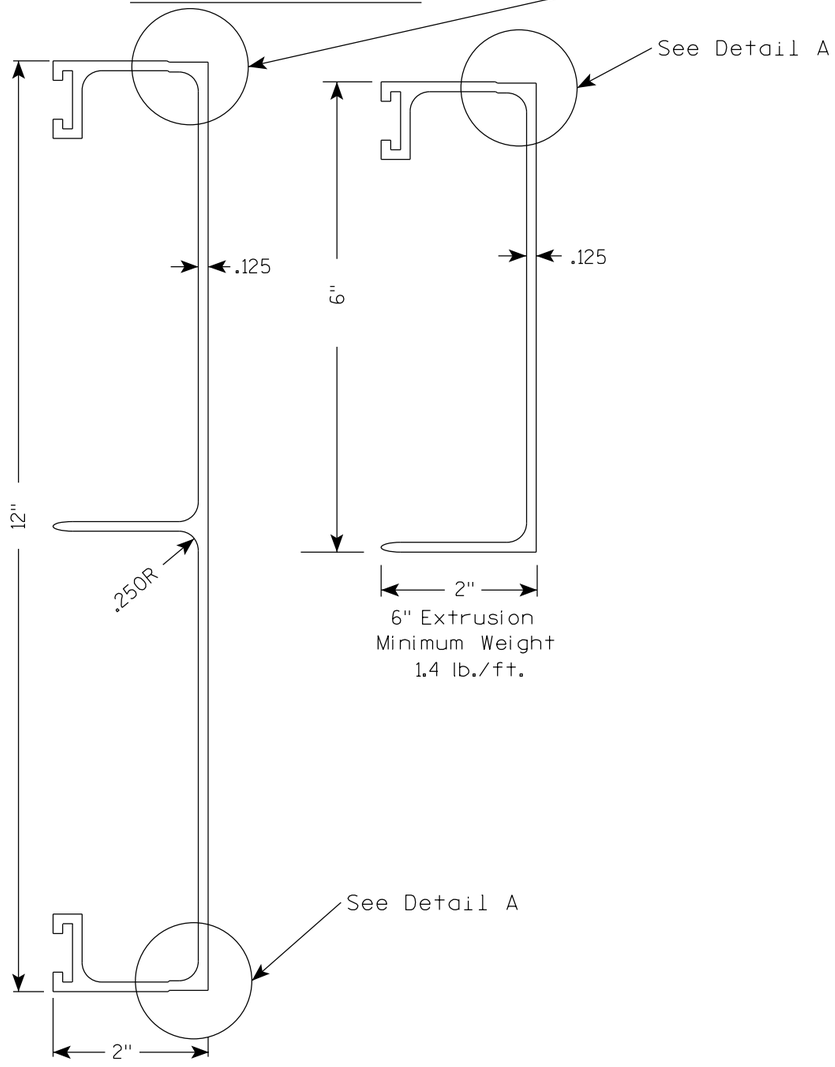
for State Traffic Engineer

DATE 4/26/16 PLATE NO A4-18.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

Extruded Shape

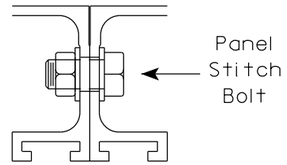


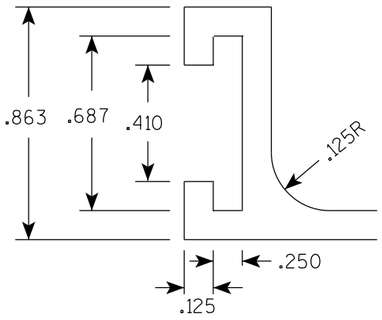
Hardware

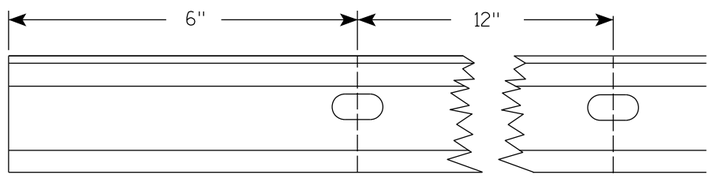
STITCH BOLT, WASHER & NUT

The hardware includes:

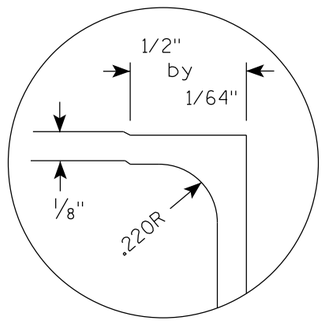
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy







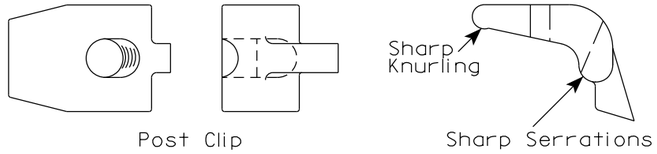
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

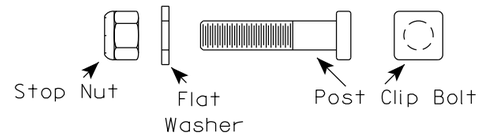


DETAIL A (EDGE WRAP JOINT)

POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/07/20 PLATE NO. A5-2.10

PROJECT NO:

SHEET NO: 792 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A52.DGN PLOT DATE : 7-Jan-2020 PLOT BY : dotc4c

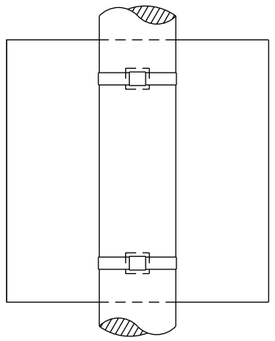
WISDOT/CADDS SHEET 42

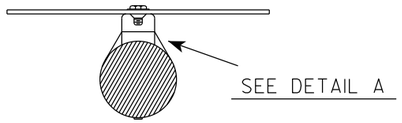
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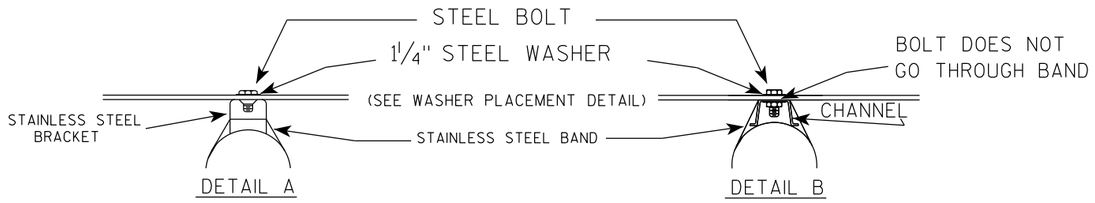
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BANDING

SINGLE SIGN



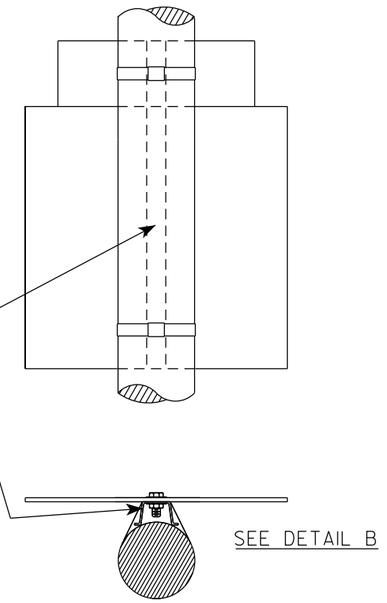




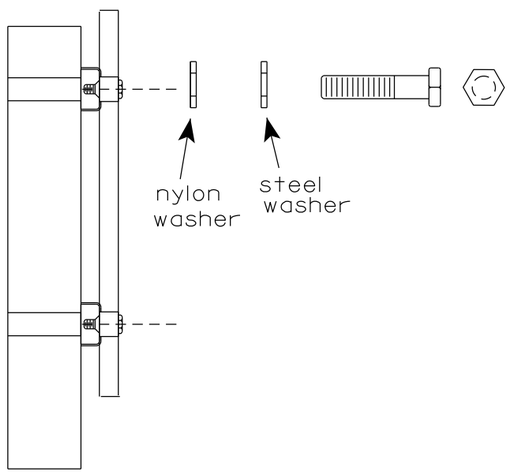
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

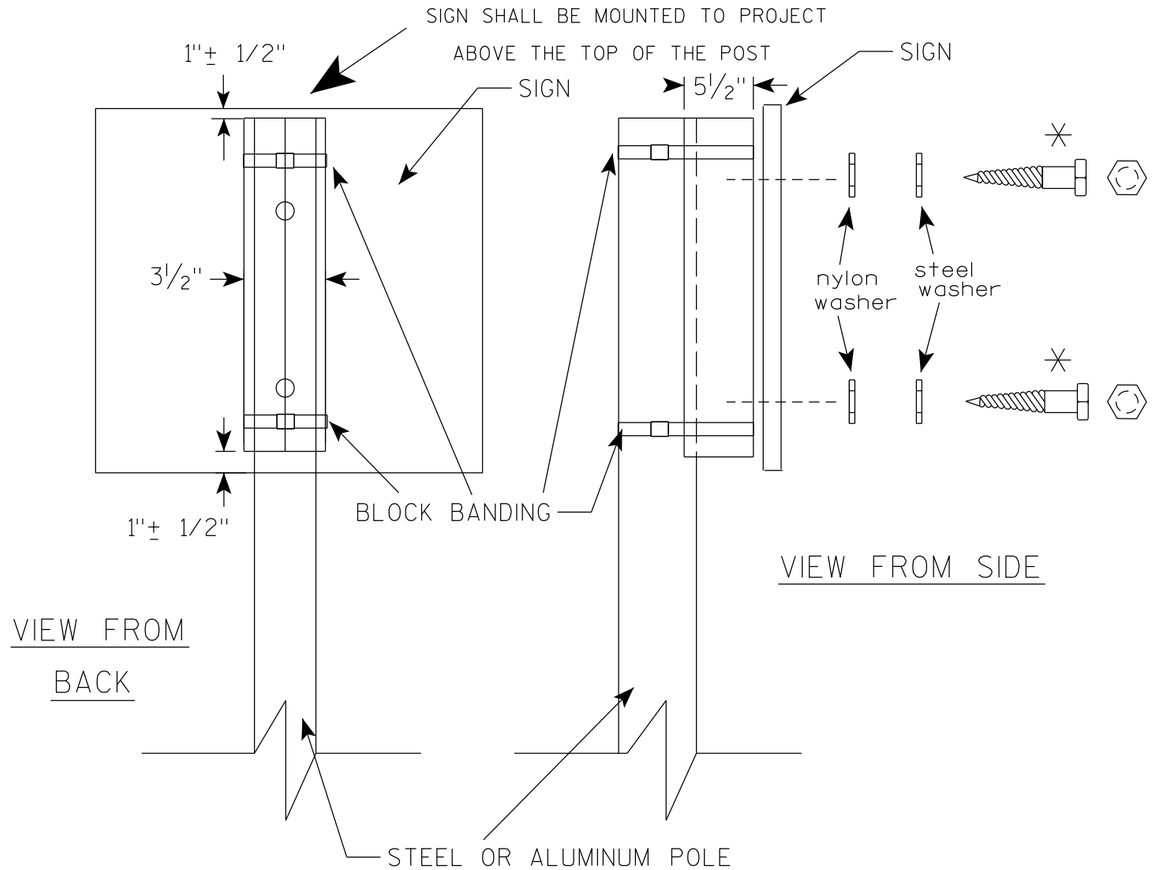
DATE 6/10/19 PLATE NO. A5-9.4

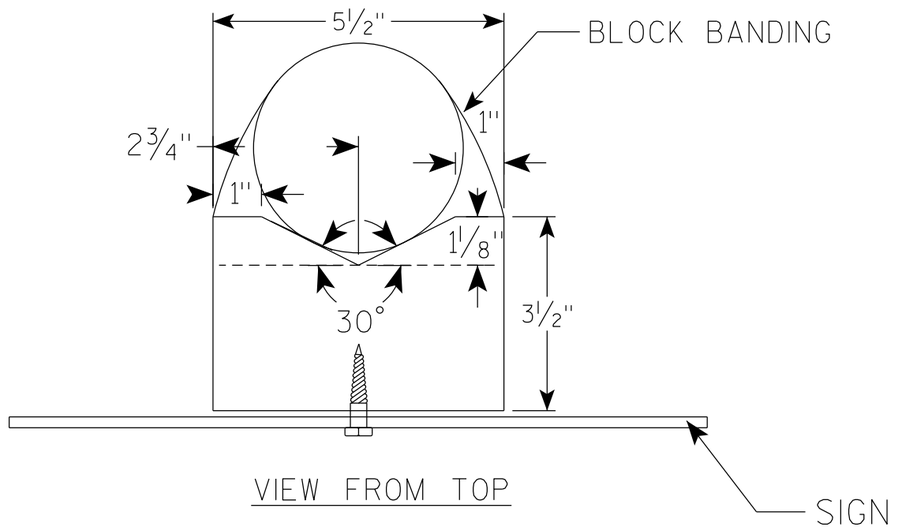
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 793	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

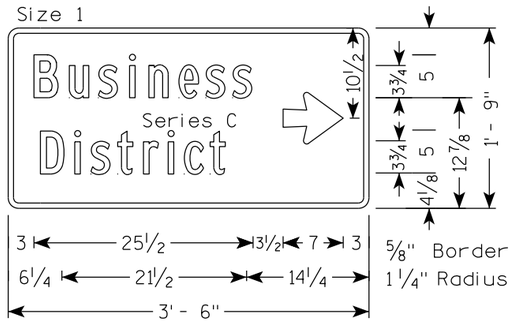
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

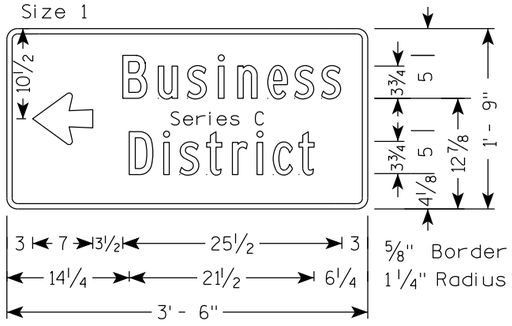
PROJECT NO:				SHEET NO: 794	E

Size 1



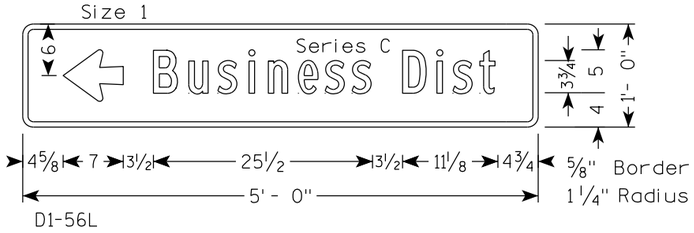
D1-56SR

Size 1



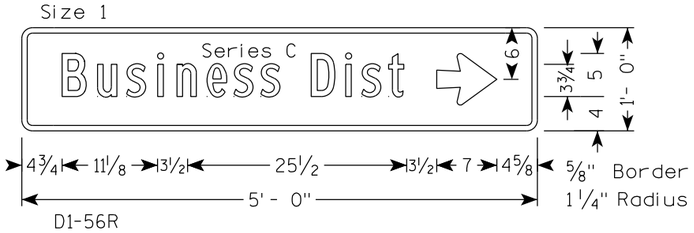
D1-56SL

Size 1



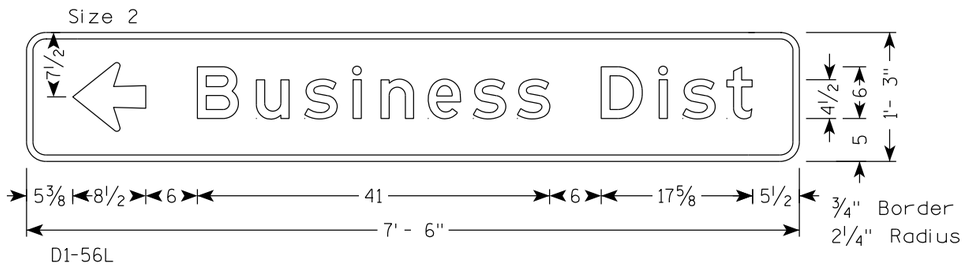
D1-56L

Size 1



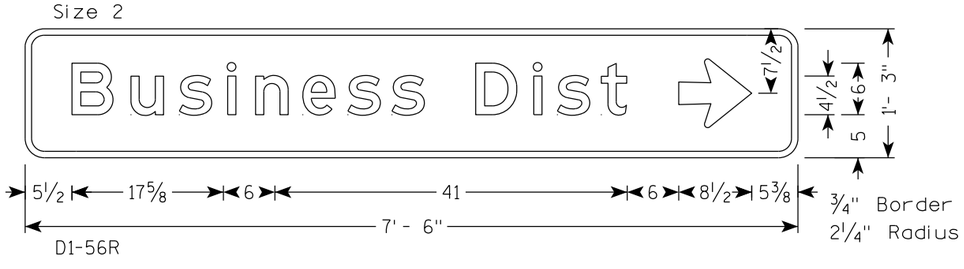
D1-56R

Size 2



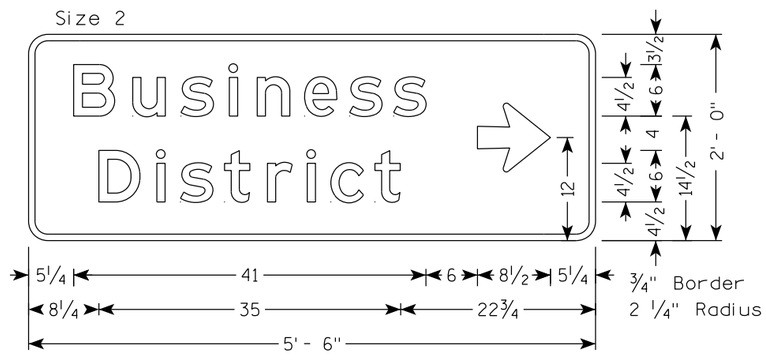
D1-56L

Size 2



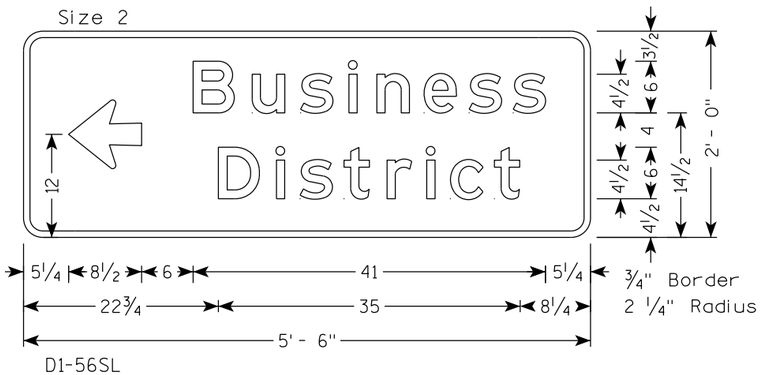
D1-56R

Size 2



D1-56SR

Size 2



D1-56SL

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted

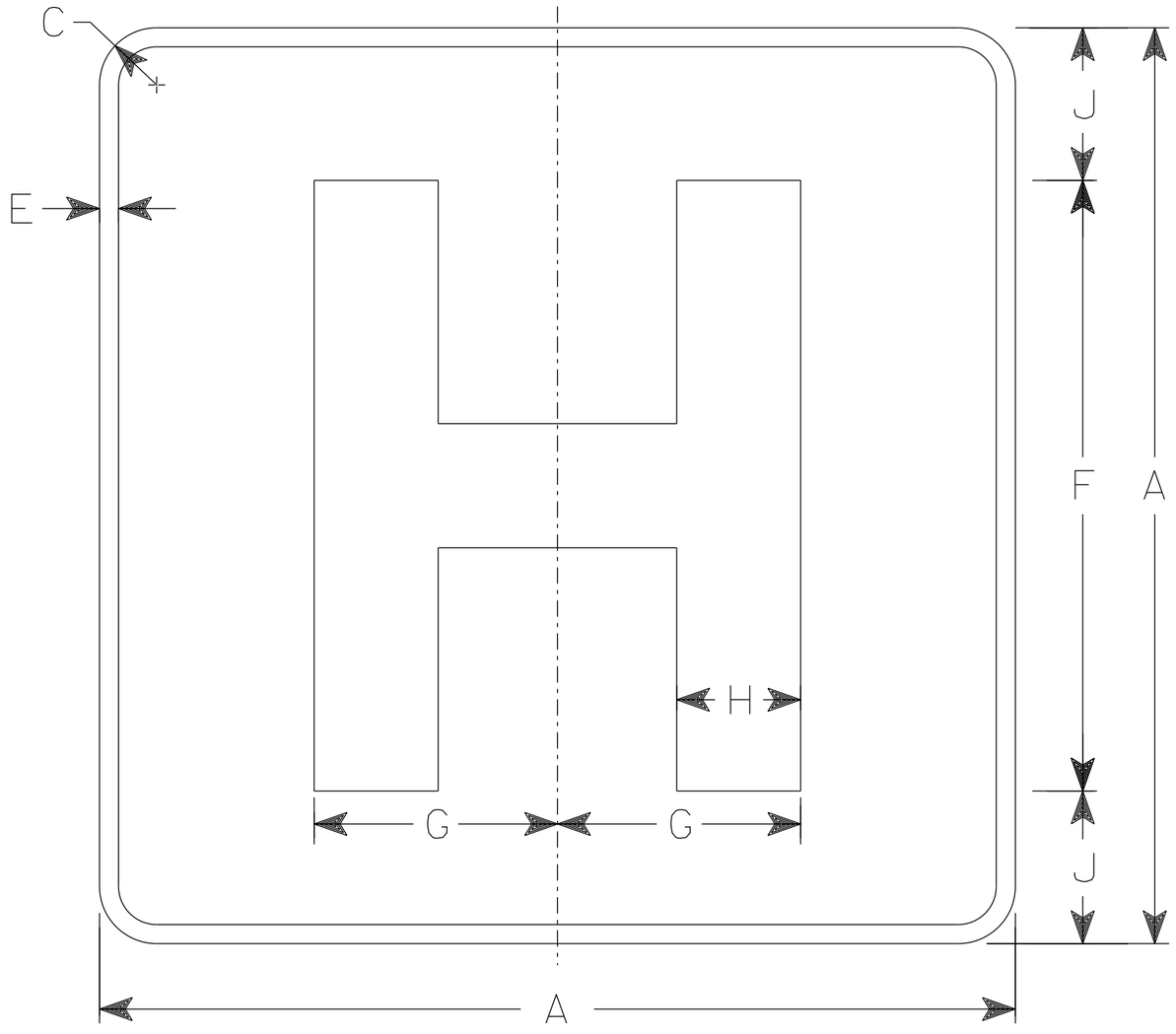
TYPICAL STANDARD D1-56L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/14/21 PLATE NO. D1-56.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 795	E



D9-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	2.25
2S	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
2M	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

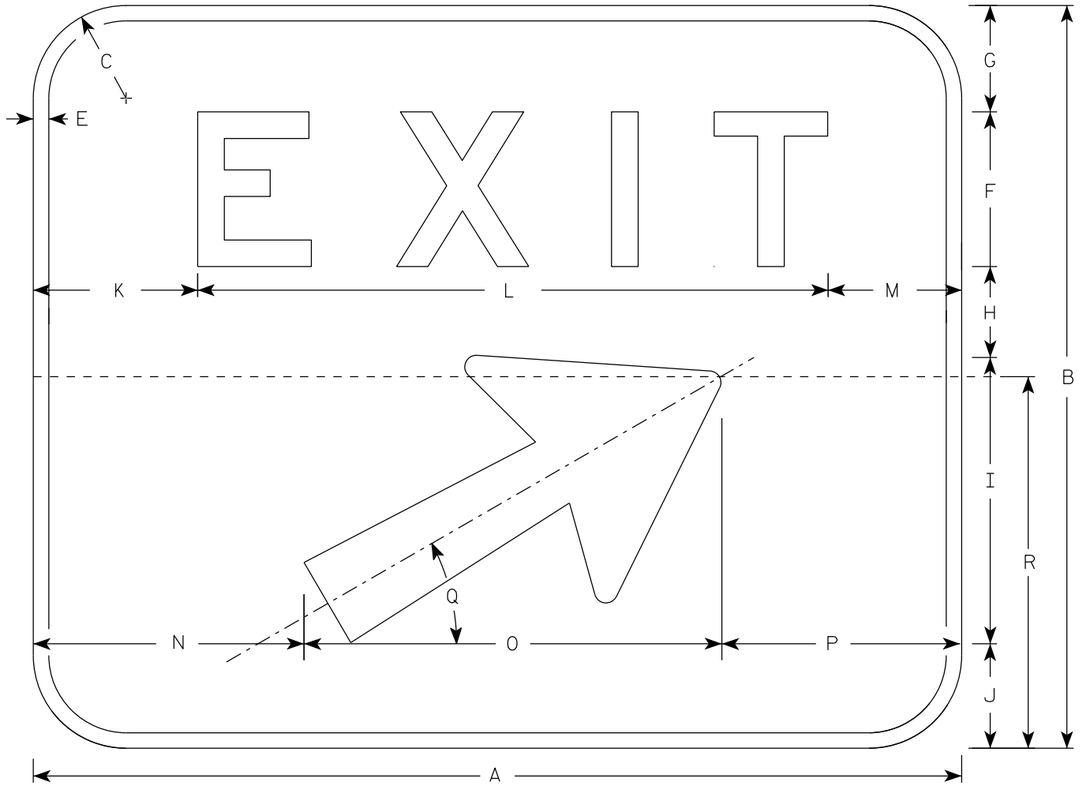
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/28/21 PLATE NO. D9-2.5

PROJECT NO:

SHEET NO: 796 E



E5-1

NOTES

1. Sign is Type II - Type H reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. When Base material for this sign is plywood sign shall be split into two seperate pieces for the 72 x 60 size as shown on the detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. As per the Standard Spec's, this sign shall not have a vertical joint.
8. Size 3 E5-1 shall only be used in a Work Zone application with a Temporary Sign Support

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3	48	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	8 1/2	31 1/8	8 3/8	11 1/2	27	9 1/2	30°	30									16.0
4	60	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	10 5/8	40 3/4	8 5/8	17 1/2	27	15 1/2	30°	30									20.0
5	72	60	6		1	12	9 3/4	10	18 1/2	9 3/4	13 1/4	48 1/2	10 1/4	23 1/2	27	21 1/2	30°	30									30.0

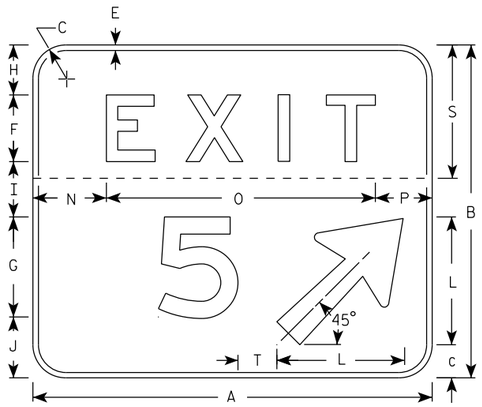
STANDARD SIGN
E5-1

WISCONSIN DEPT OF TRANSPORTATION

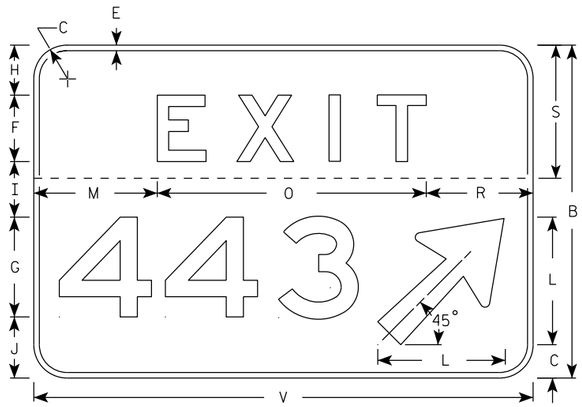
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/26/18 PLATE NO. E5-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 797 | E

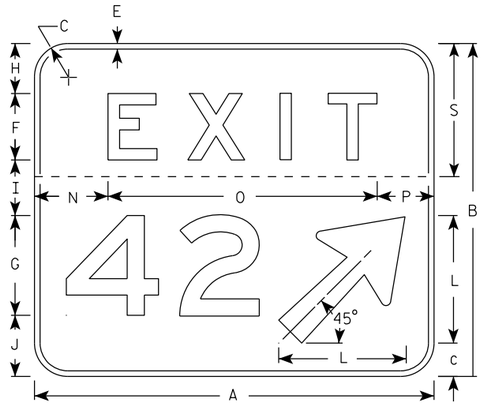


NOTE: T diminision shall be measured from the back of the number to the front of the arrow

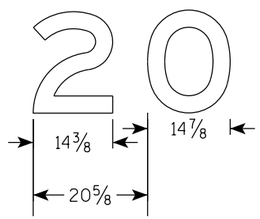


NOTES

1. Sign is Type II - Type H reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E
4. Corners may be square or rounded but the corners shall be rounded when base material is metal.
5. Sign shall be split into two seperate pieces as shown on each detail by the dashed line (_ _ _ _ _ _ _ _ _ _).
6. Arrow is Type "A" from sign plate A1-1.
7. Substitute appropriate message, space per the table and adjust placement on sign to achieve proper balance.
8. As per the Standard Spec's, these signs shall not have a vertical joint.



EXAMPLE FOR USING SPACING CHART



SPACING CHART FOR 18" NUMERALS

NUMBERS	WIDTH	0	1	2	3	4	5	6	7	8	9	A	B	C
0	14 7/8	21 5/8	21 5/8	21 1/4	20 3/8	21 1/4	21 1/4	21 5/8	19 7/8	22 1/8	21 5/8			
1	5 7/8	14	14	14	13 1/8	12 1/8	14	14	12 1/4	14	14			
2	14 3/8	20 5/8	21 1/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8	18 7/8	21 1/8	20 5/8			
3	14 3/8	20 3/4	21 1/8	20 3/4	20 1/4	19 3/4	20 3/4	20 3/4	19 3/8	21 1/8	20 3/4			
4	16 5/8	22 7/8	22	22 1/2	21 5/8	21 5/8	22 7/8	22 7/8	20 5/8	23 3/8	22 7/8			
5	14 1/4	20 5/8	20 5/8	20 1/8	18 3/4	18 3/4	20 5/8	20 5/8	18 3/8	20 5/8	20 5/8			
6	14 1/2	21 1/4	20 3/4	20 3/4	19 7/8	19 1/2	20 3/8	20 3/4	19	20 3/4	20 3/8			
7	14 3/8	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4			
8	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8			
9	14 1/2	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4			
A	18	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	21 5/8	23 7/8	23
B	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/2	22 3/8	21 1/2
C	14 1/4	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18 3/8	21	19 3/4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
2																										
3																										
4																										
5	72	60	6		1	12	18	9	10	11	8 7/8	23	22 1/4	13 1/4	48 1/2	10 1/4		19 1/4	24	7		90		96	7 1/2	

1-2 Digit Bid Area	3 Digit Bid Area
Sq. Ft.	
30	37.5

STANDARD SIGN
E5-1A

WISCONSIN DEPT OF TRANSPORTATION

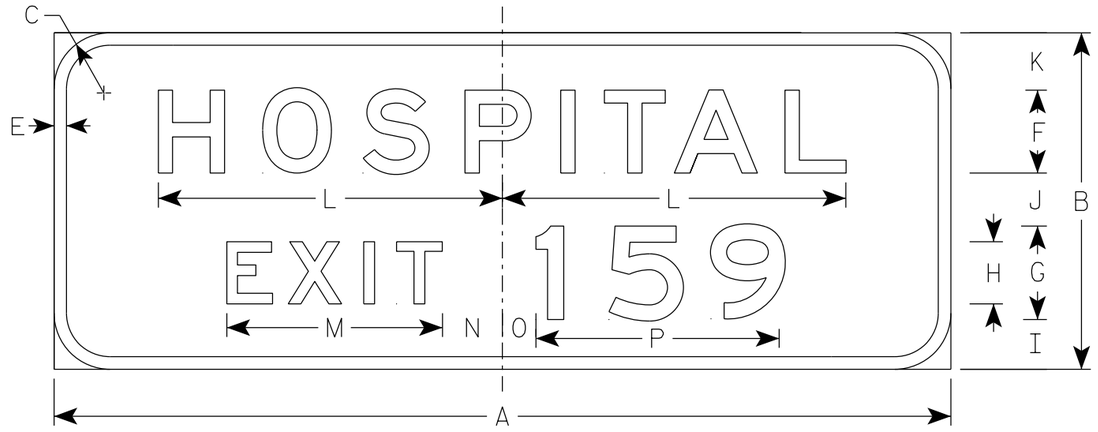
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. E5-1A.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 798	E

NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
   Background - Blue
   Message - White
3. Message Series - E
4. Apply proper Exit Numbers and letters, optically center to adjust spacing to achieve proper balance.



E10-61

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	144	54	9		2	13 3/8	15	10	8	8 1/2	9 1/4	55 1/4	34 5/8	9 5/8	5 3/8	39											54.0
5	144	54	9		2	13 3/8	15	10	8	8 1/2	9 1/4	55 1/4	34 5/8	9 5/8	5 3/8	39											54.0

TYPICAL SIGNS

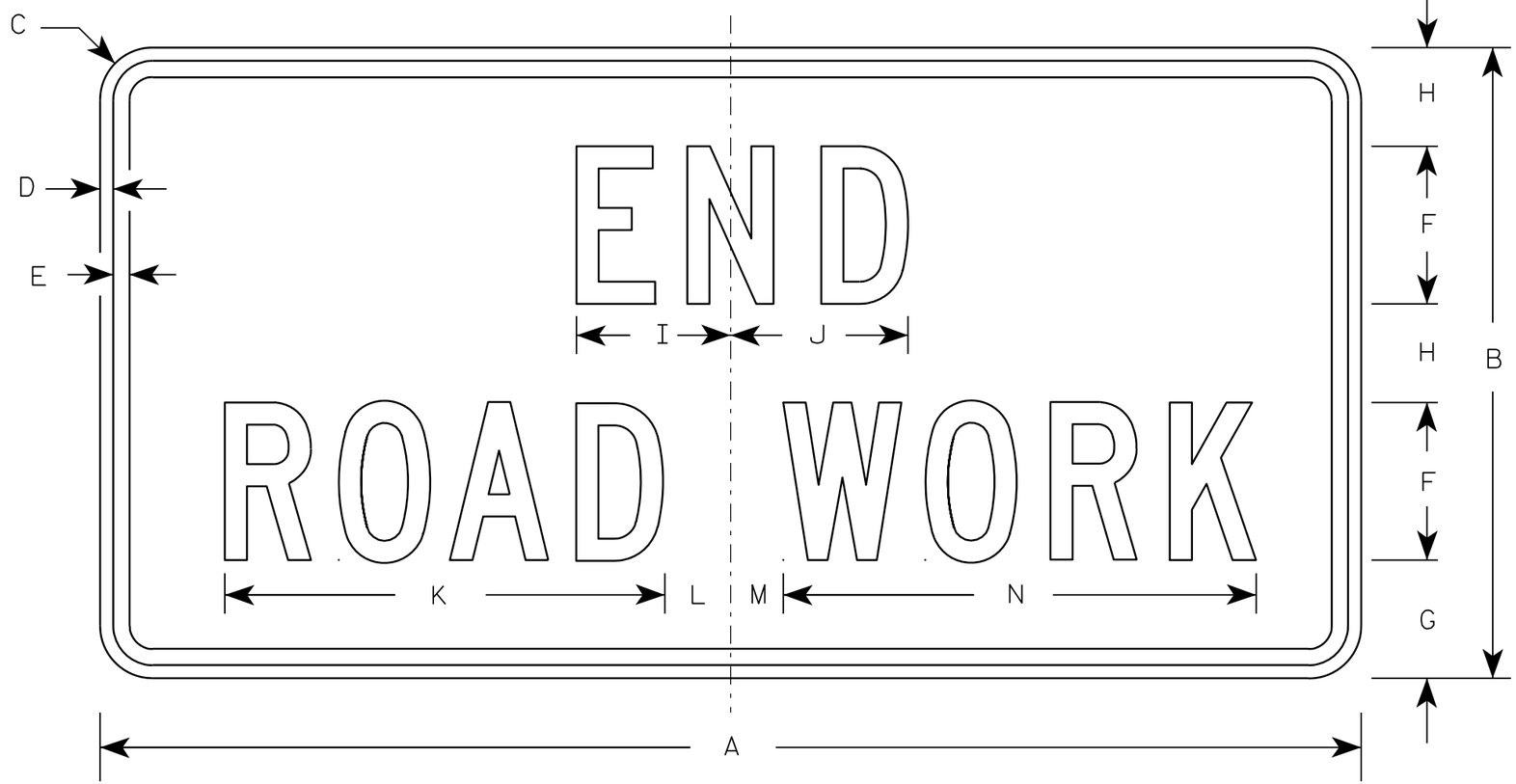
E10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/5/2020 PLATE NO. E10-61.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 799 | E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

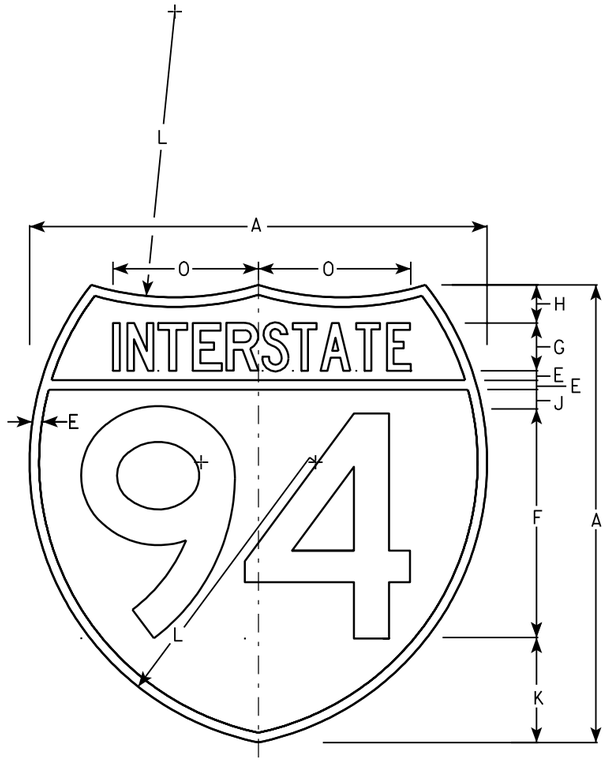
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 800	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\G202A.DGN PLOT DATE : 30-SEP-2009 09:31 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 5.561773:1.000000

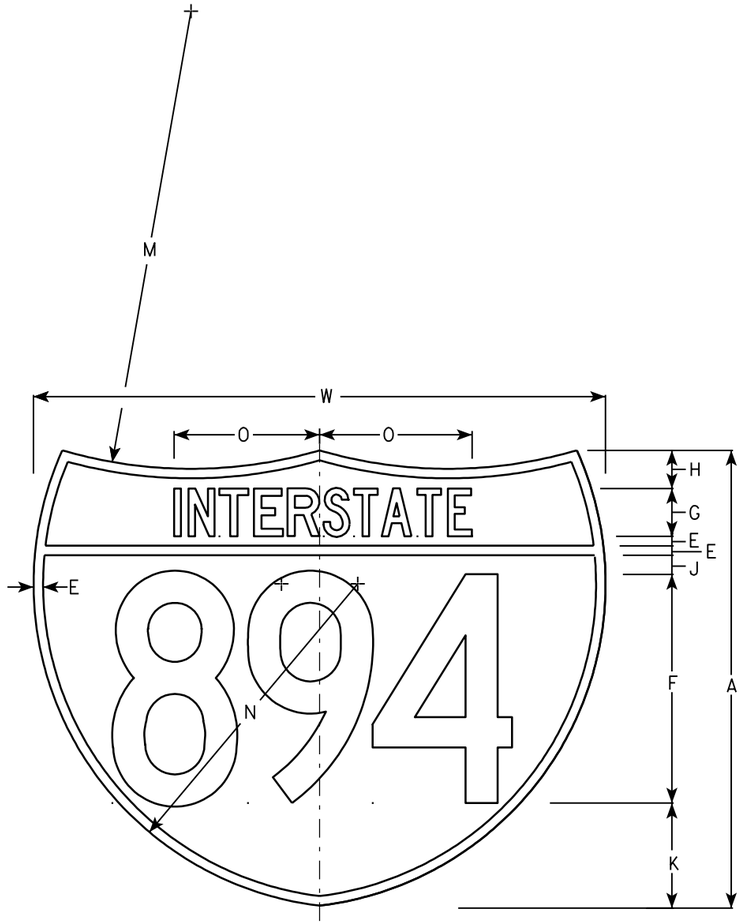
WISDOT/CADDS SHEET 42

7

7



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

7

7

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

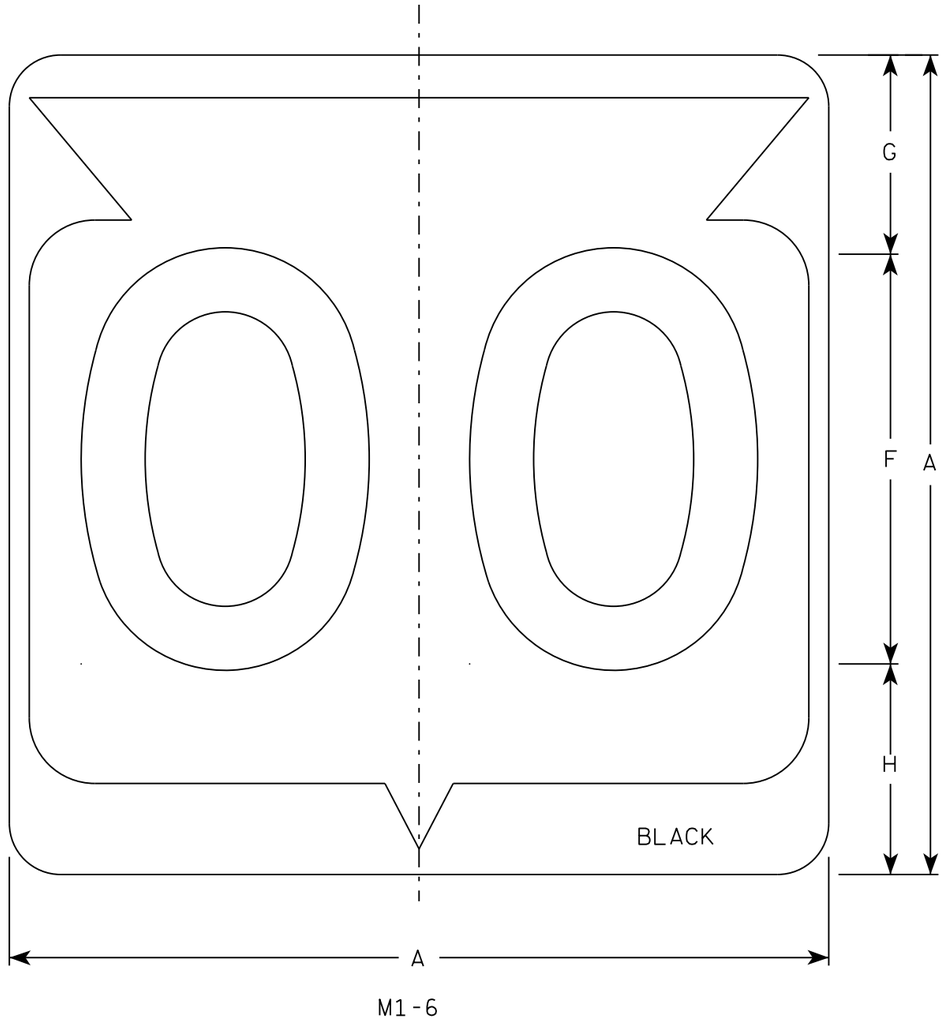
INTERSTATE ROUTE MARKER M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

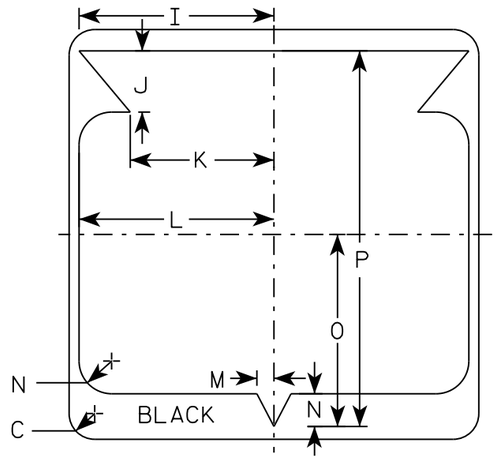
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 801	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

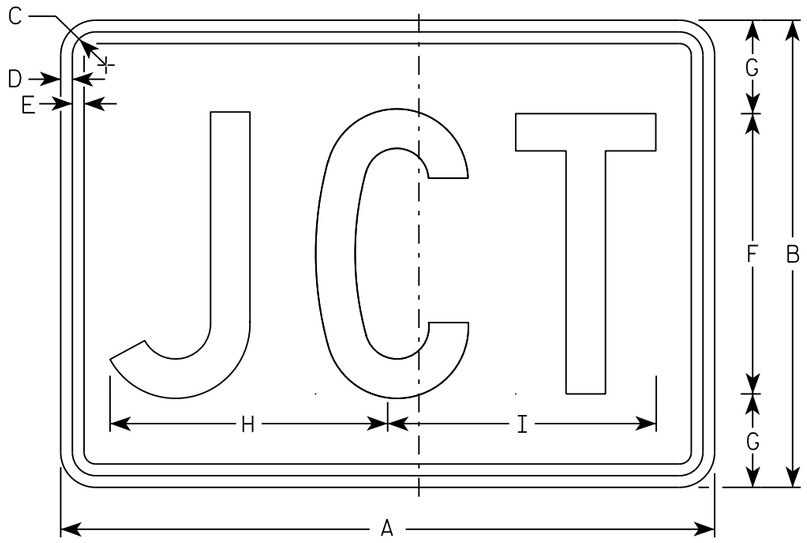
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

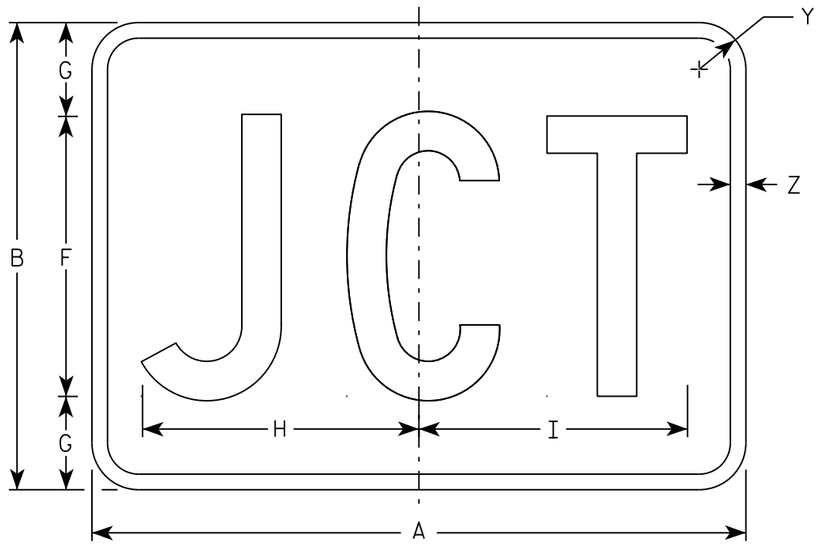
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 802	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

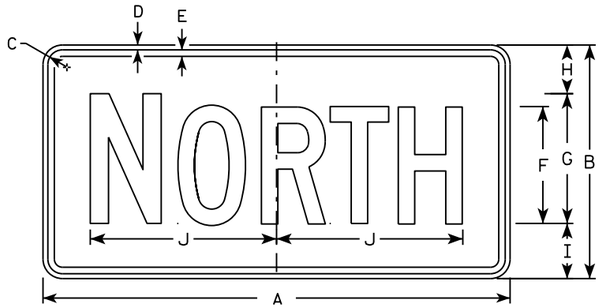
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

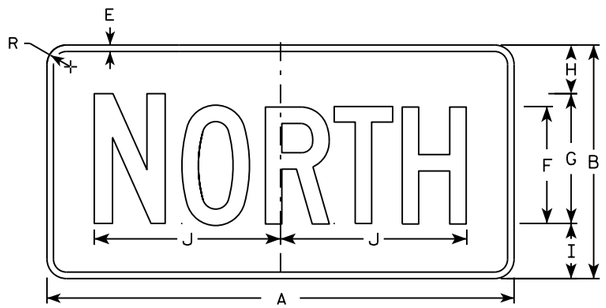
DATE 10/15/15 PLATE 803 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



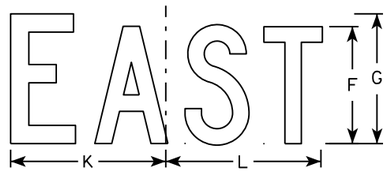
M3-1
MM3-1
MP3-1



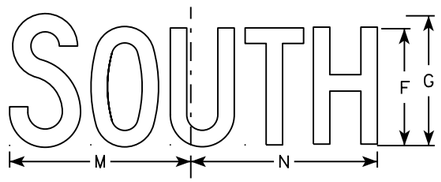
MB3-1
MK3-1
MN3-1



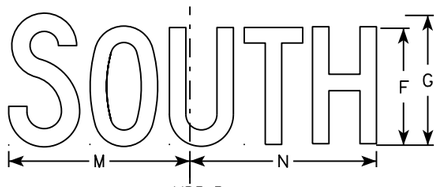
M3-2
MM3-2
MP3-2



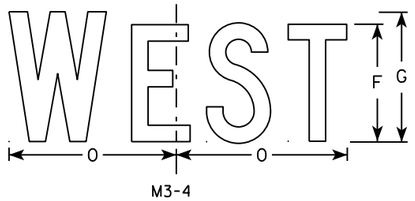
MB3-2
MK3-2
MN3-2



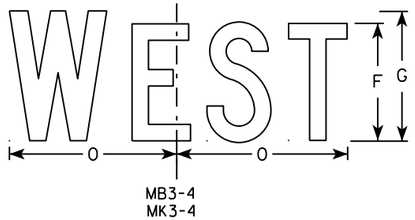
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

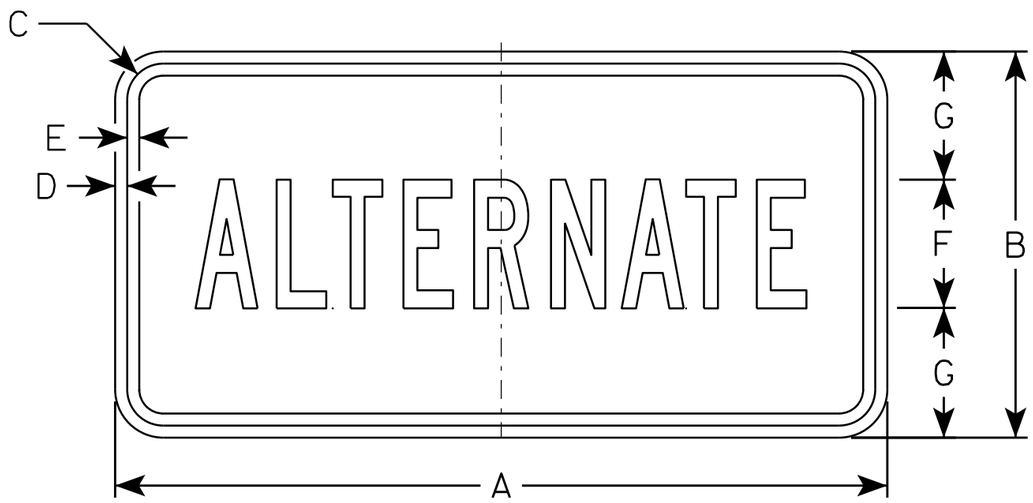
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

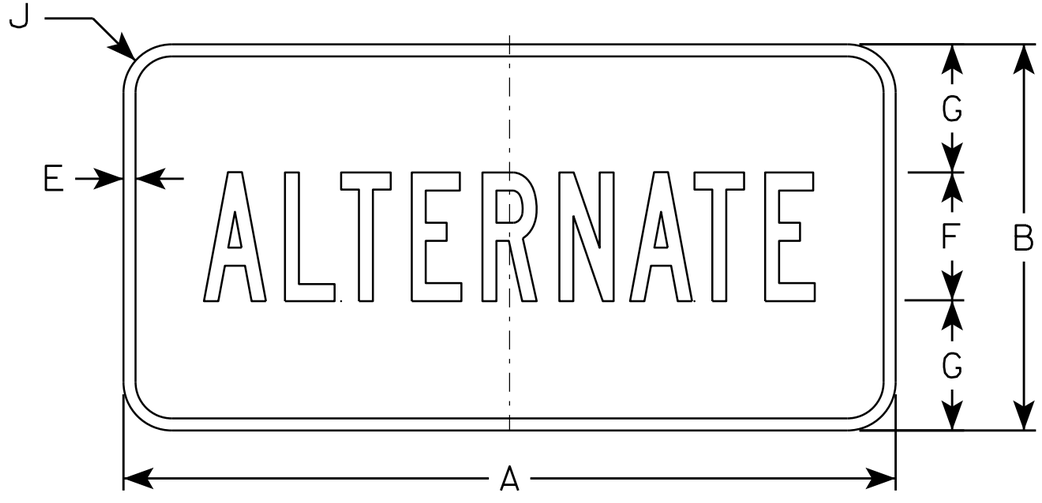
DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-1
M04-1



MB4-1

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See Note 5
   Message - See note 5
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-1 Background - White
   Message - Black

   MB4-1 Background - Blue
   Message - White

   M04-1 Background - Orange - Type F
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	4	4	9 3/4	9 1/2	1 1/2																	2.00
3	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
4	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
5	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5

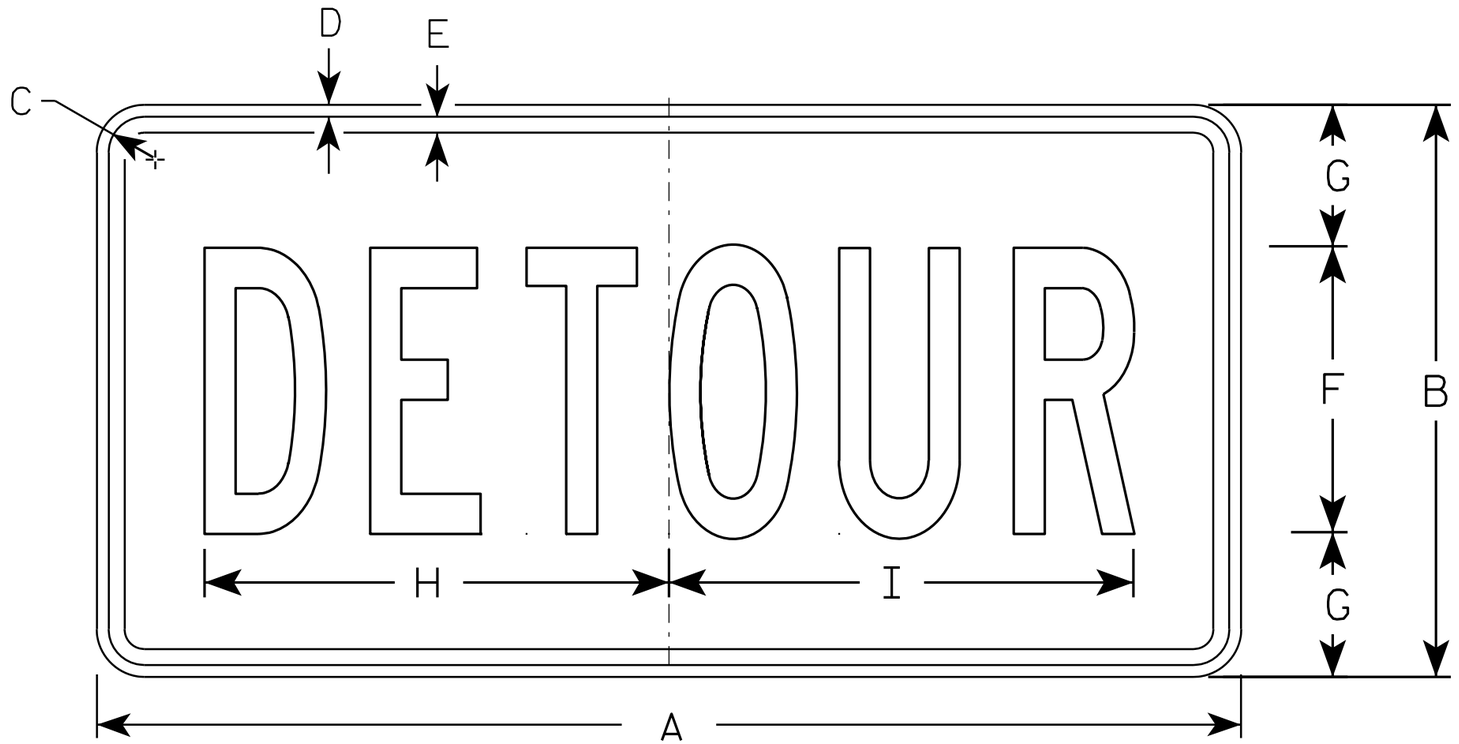
STANDARD SIGN
M4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/14 PLATE 805 '14-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

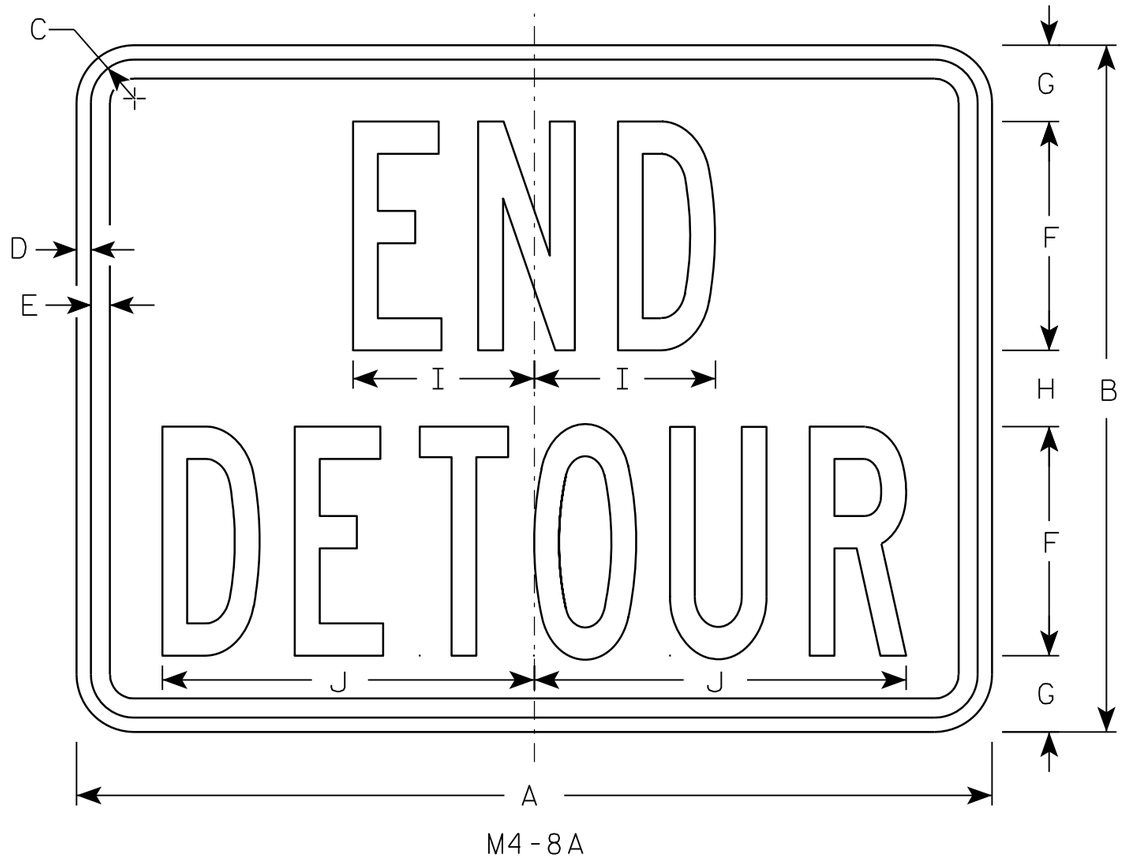
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 806	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

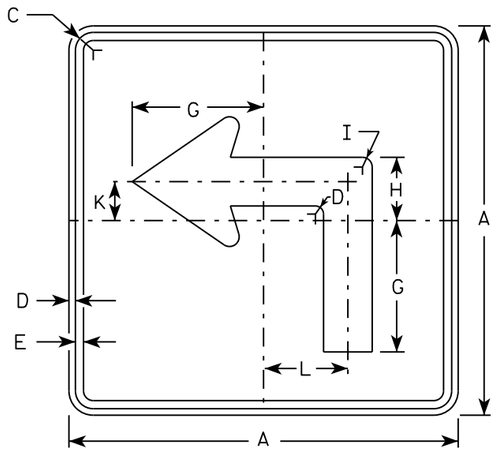
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

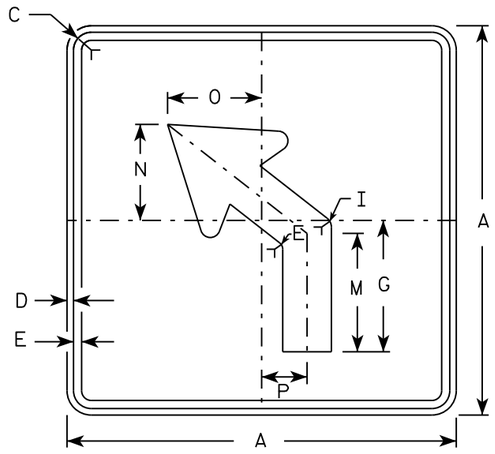
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

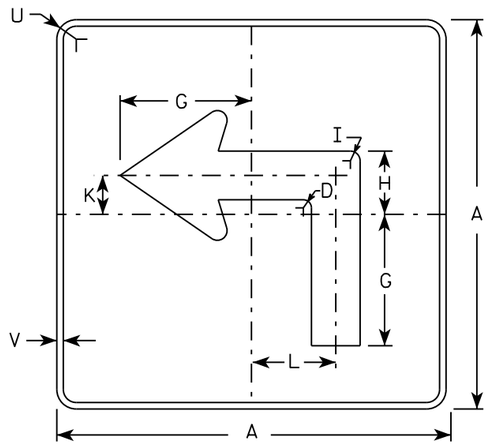
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 807	E



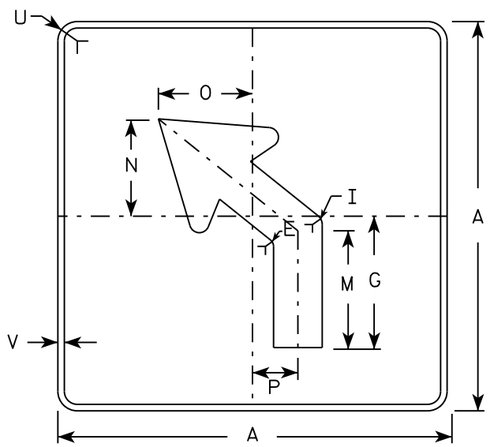
M5-1L
MM5-1L
MO5-1L
MP5-1L



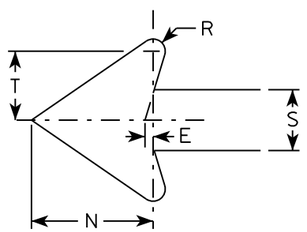
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

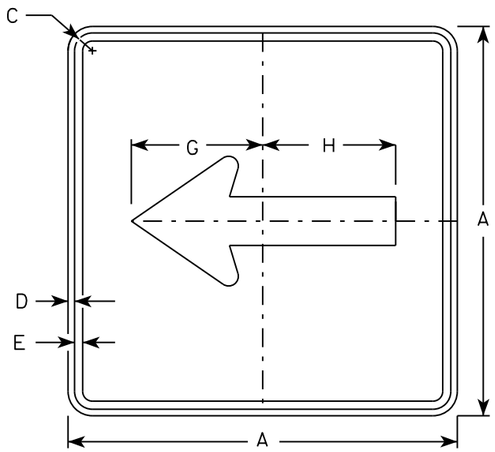
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

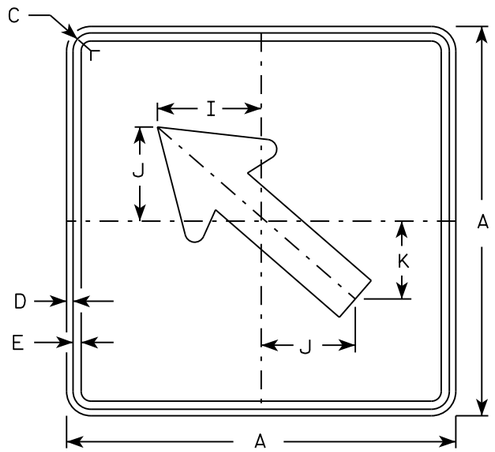
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



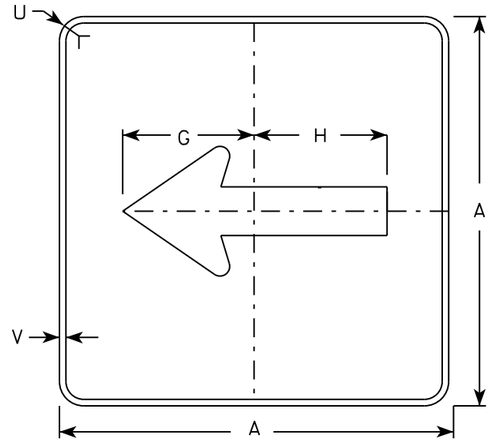
M6-1
MM6-1
MO6-1
MP6-1



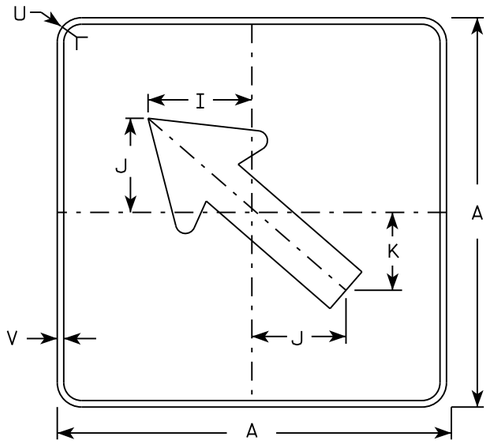
M6-2
MM6-2
MO6-2
MP6-2

NOTES

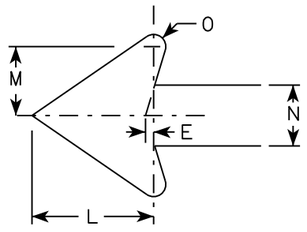
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

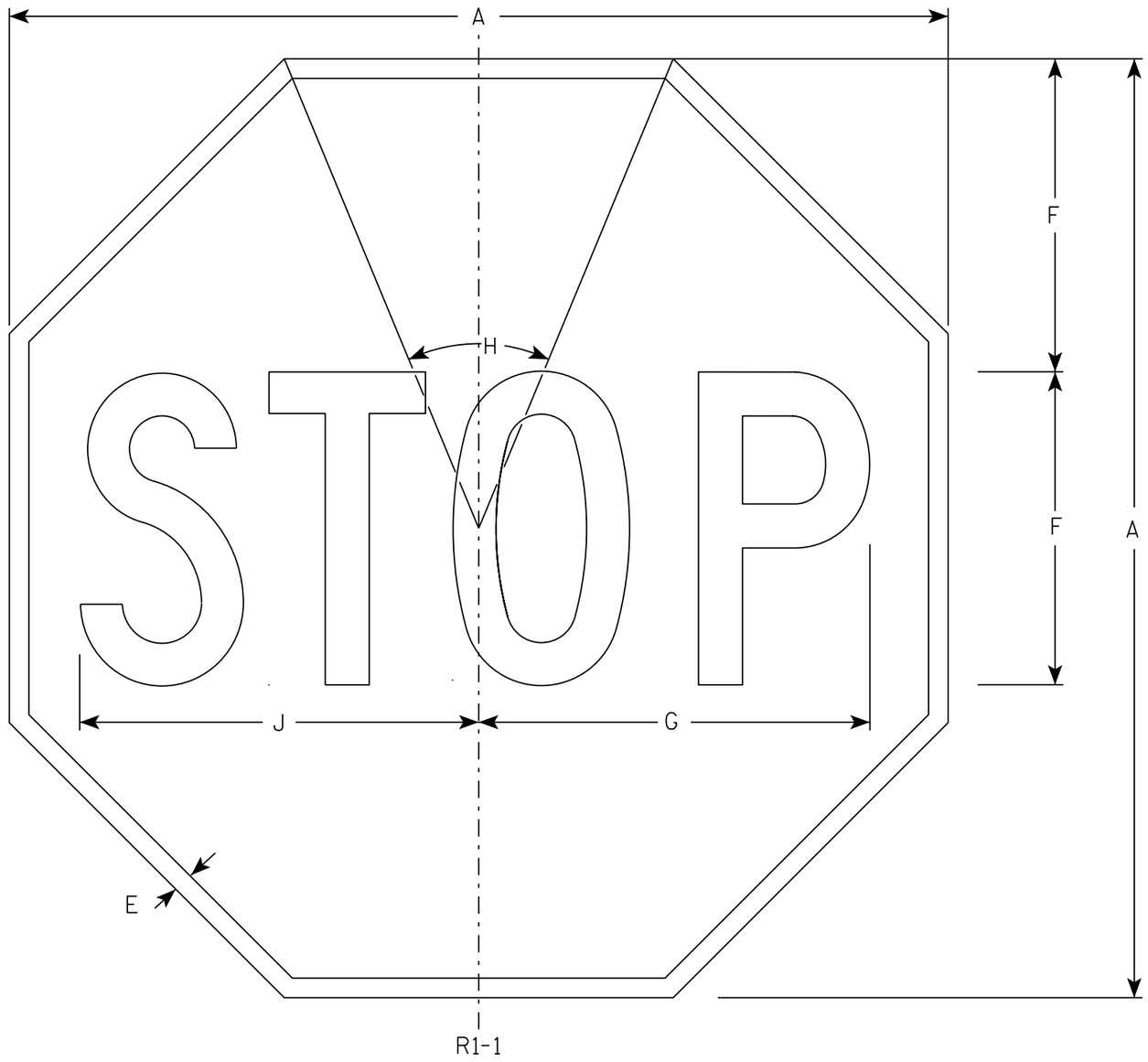
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 809 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

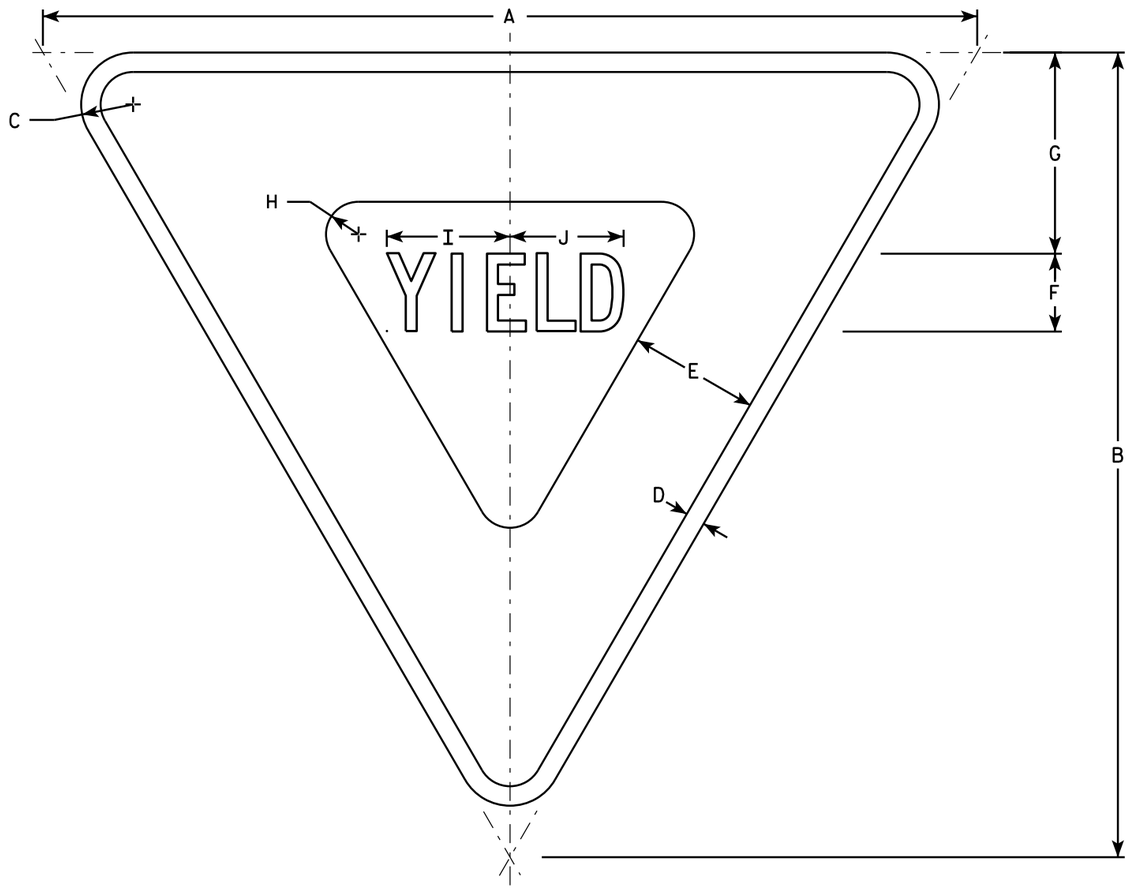
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 810	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

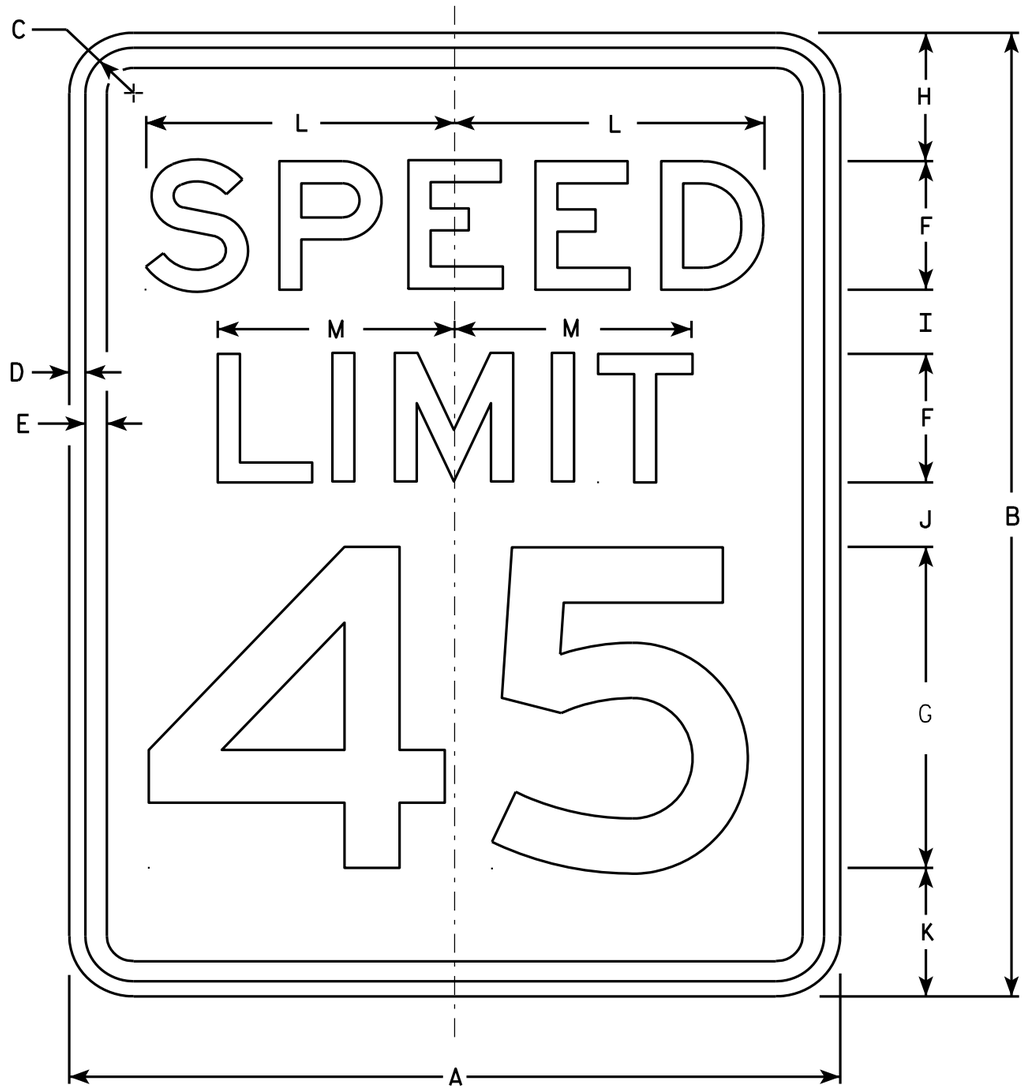
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE P1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

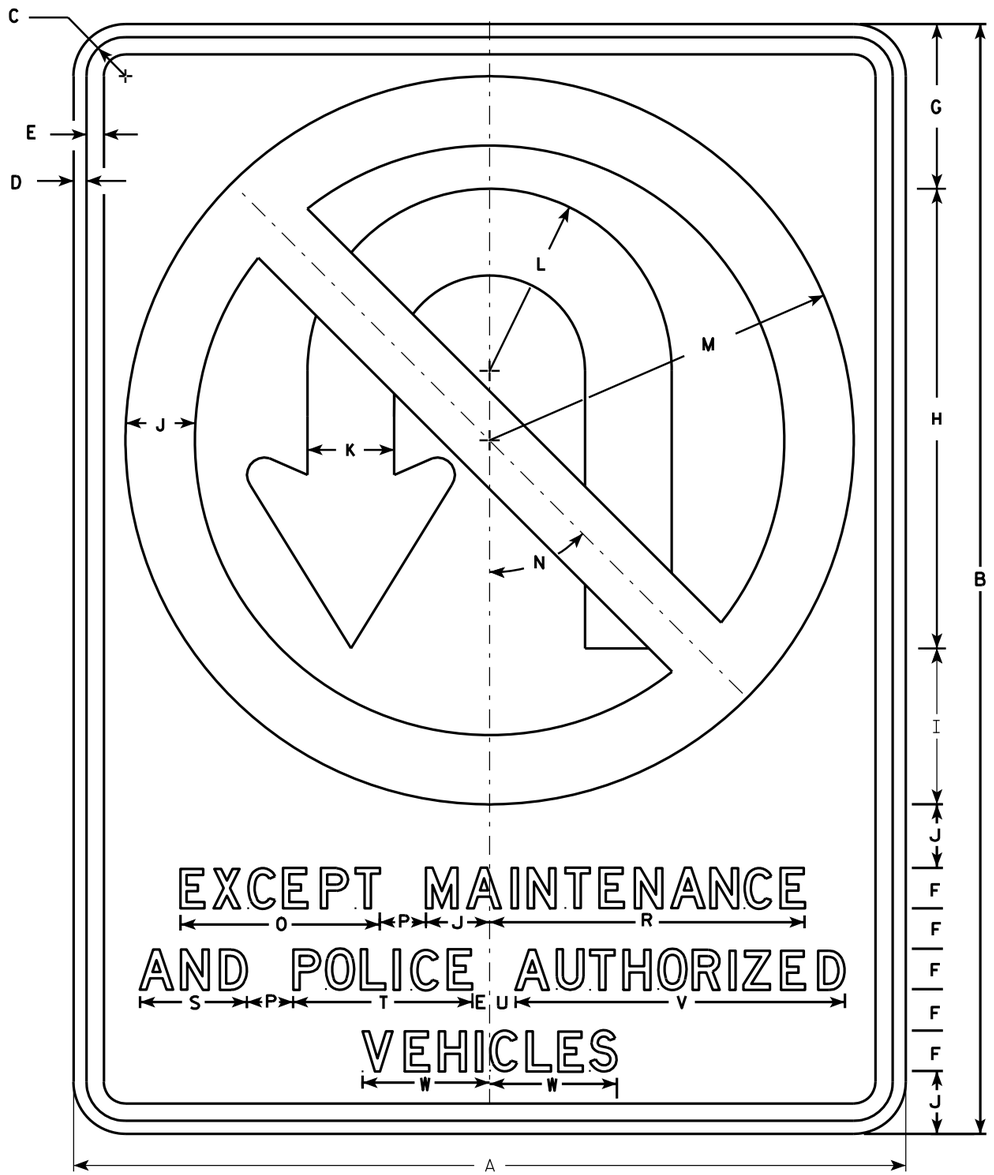
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

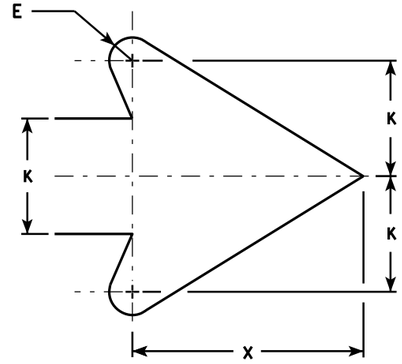
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 812	E



R3-4B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 7/8	6 3/4	2 3/4	3 3/4	7 7/8	15 3/4	45°	8 5/8	2		13 5/8	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0
5	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 7/8	6 3/4	2 3/4	3 3/4	7 7/8	15 3/4	45°	8 5/8	2		13 5/8	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0

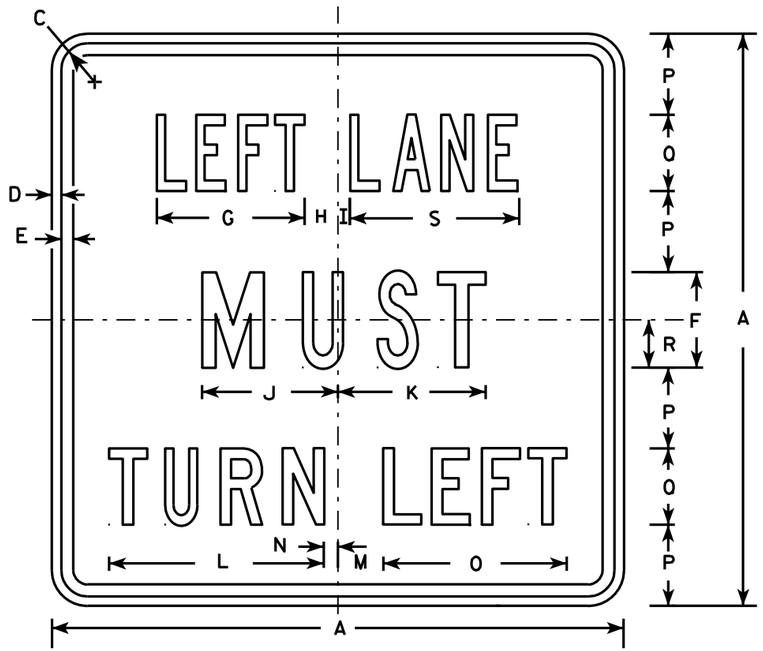
STANDARD SIGN
R3-4B

WISCONSIN DEPT OF TRANSPORTATION

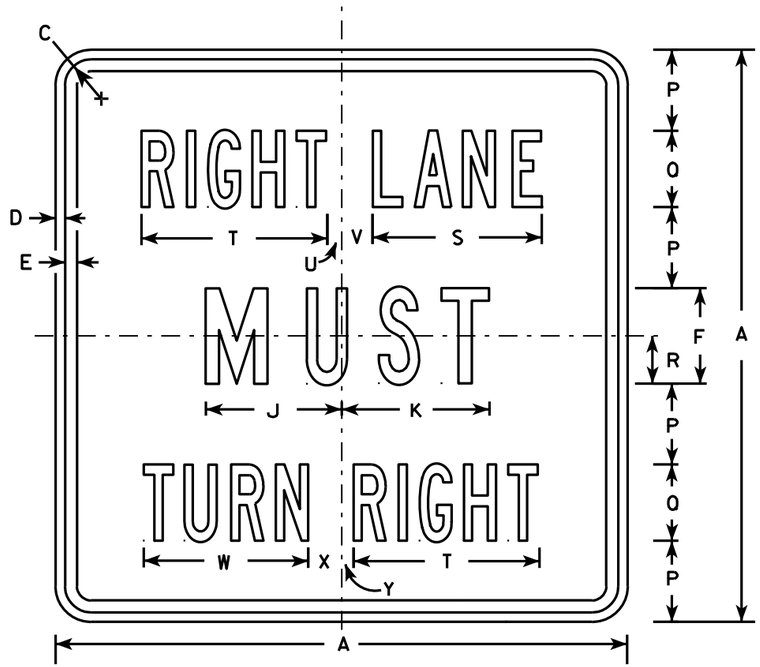
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-4B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 813	E



R3-7L



R3-7R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

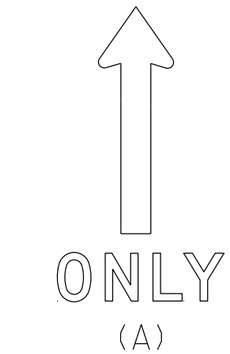
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

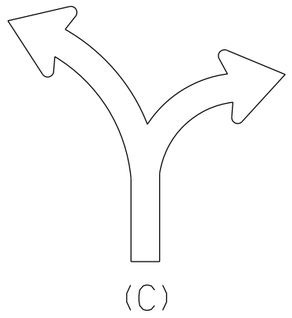
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 814 | E

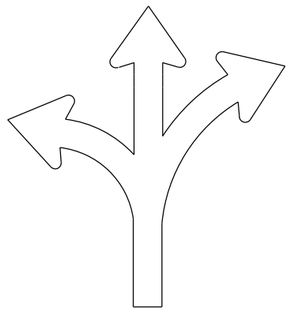


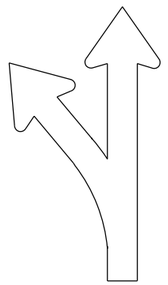
(A)

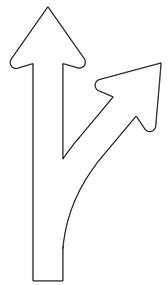


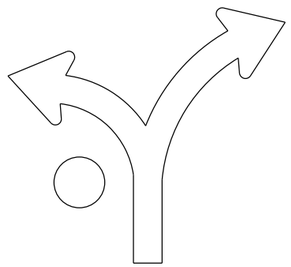
(B)

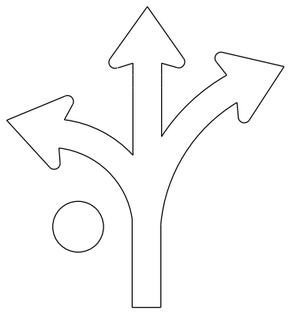

(C)


(D)


(E)


(F)

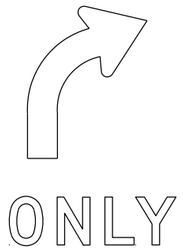

(G)


(H)

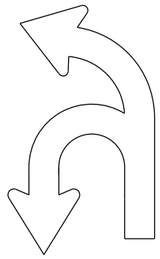

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

7

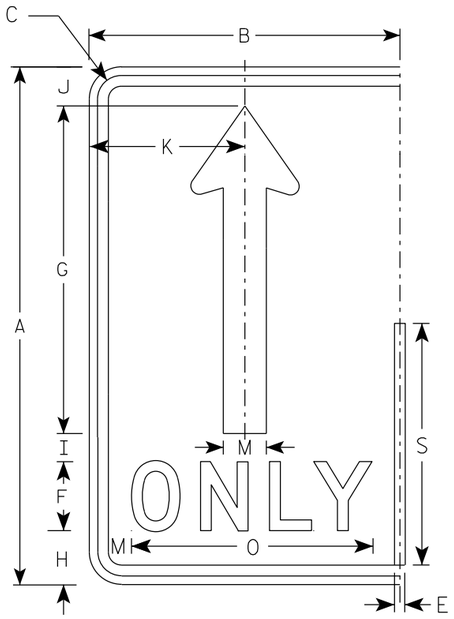
7

PROJECT NO:

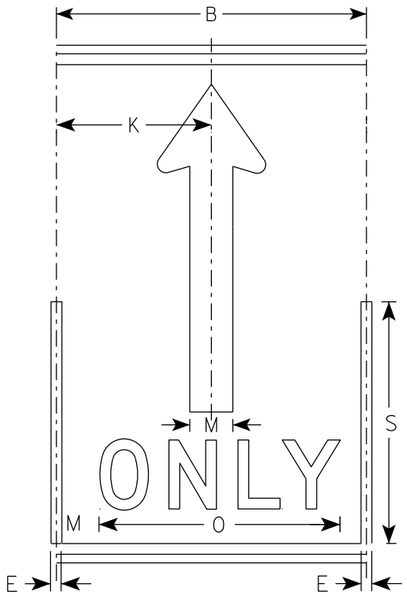
SHEET NO: 815 E

NOTES

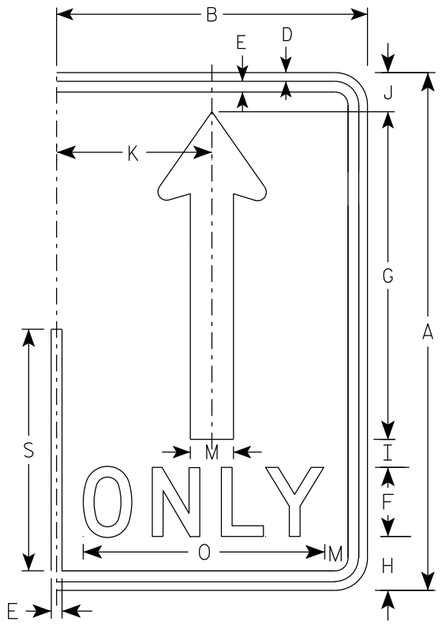
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



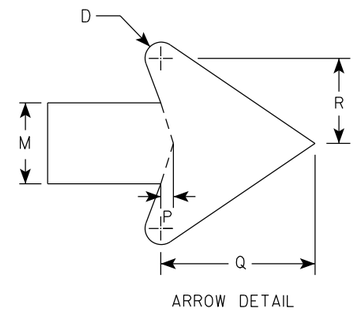
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

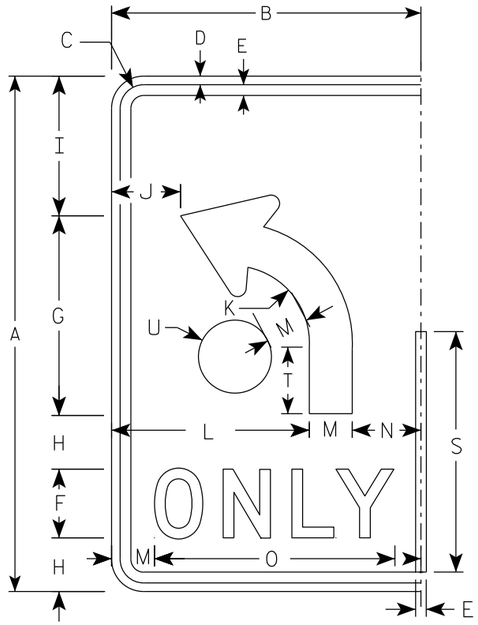
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

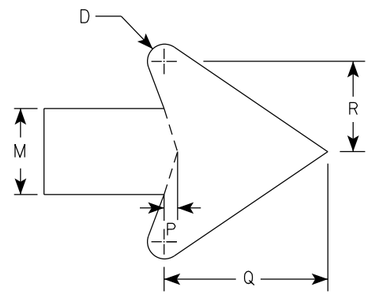
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 816 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

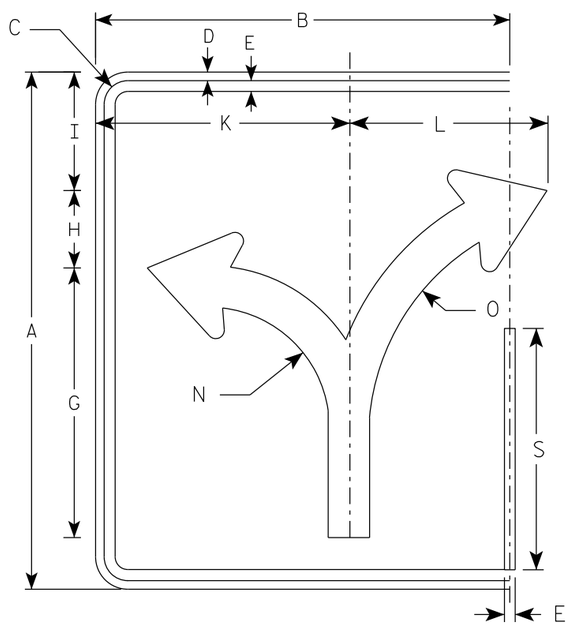
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

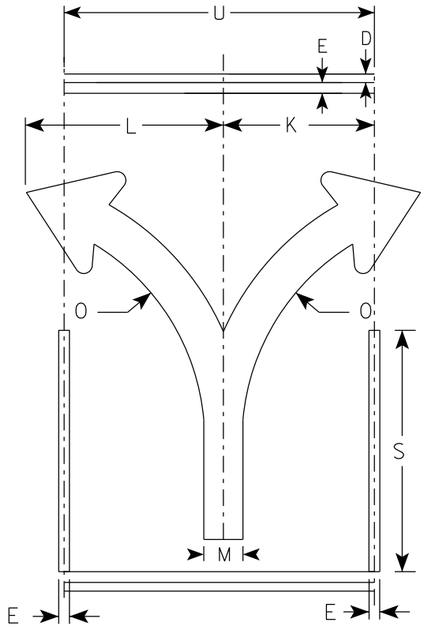
SHEET NO: 817 E

NOTES

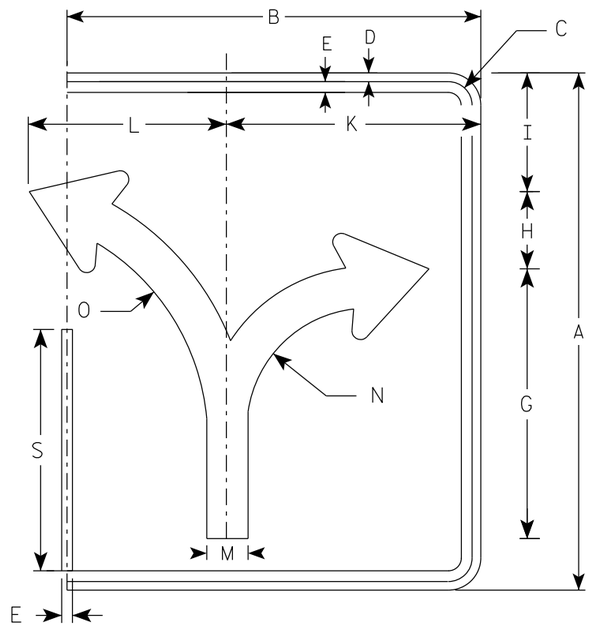
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



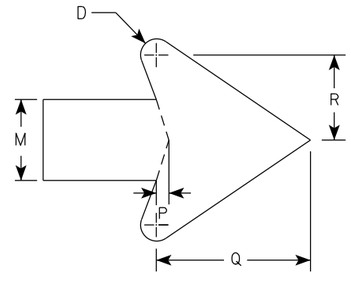
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

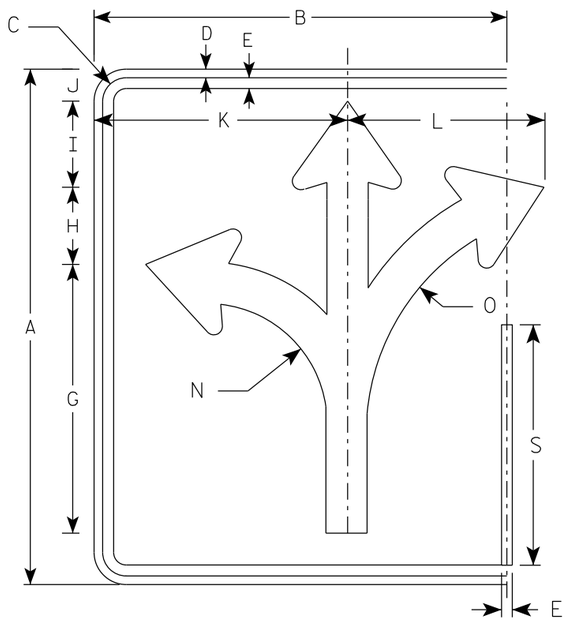
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

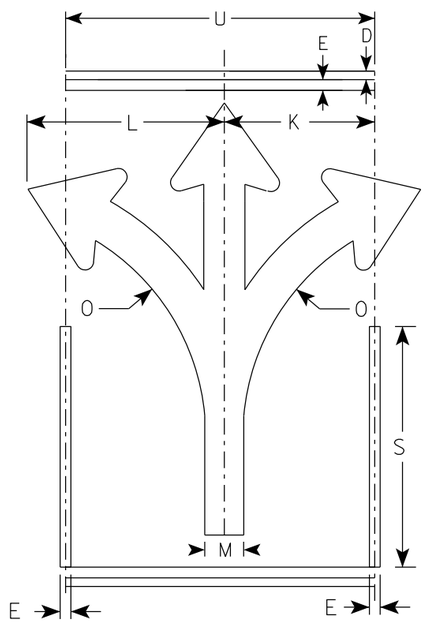
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 818 | E

NOTES

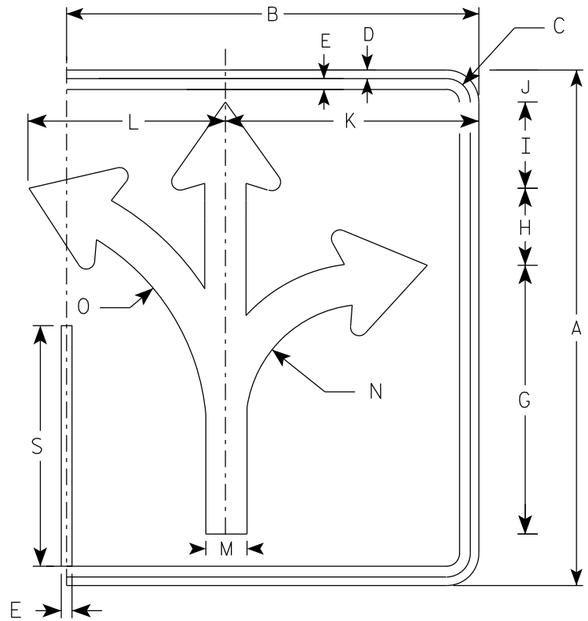
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



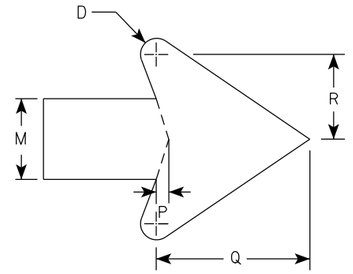
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

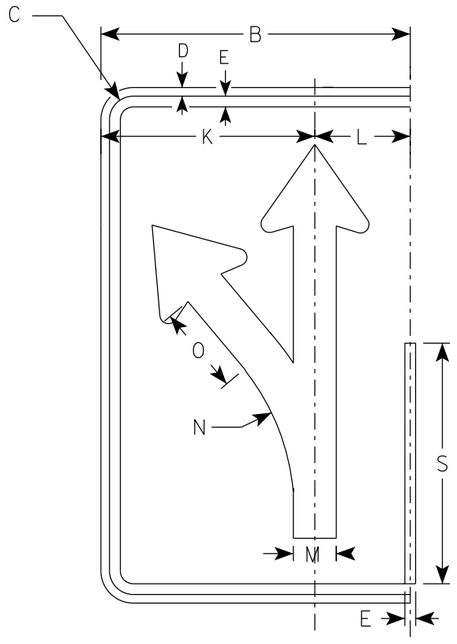
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

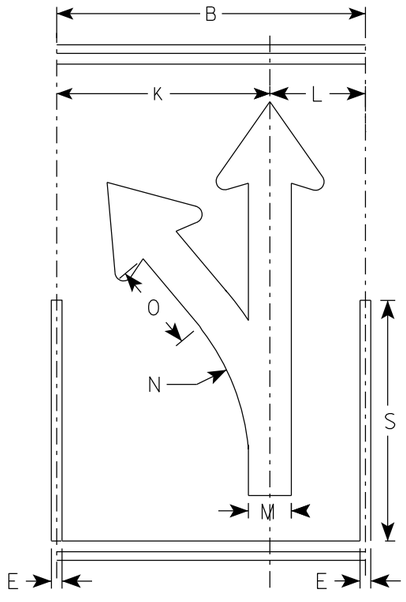
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 819 | E

NOTES

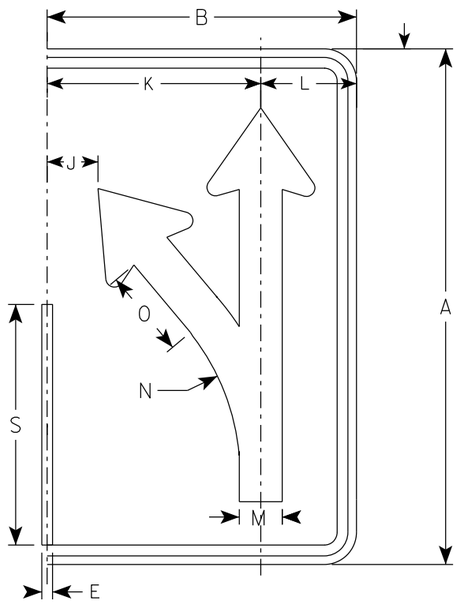
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



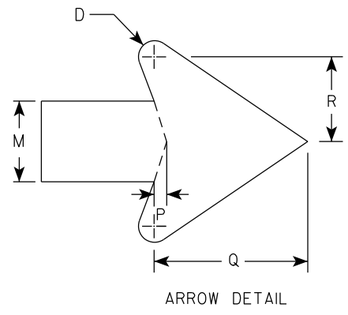
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

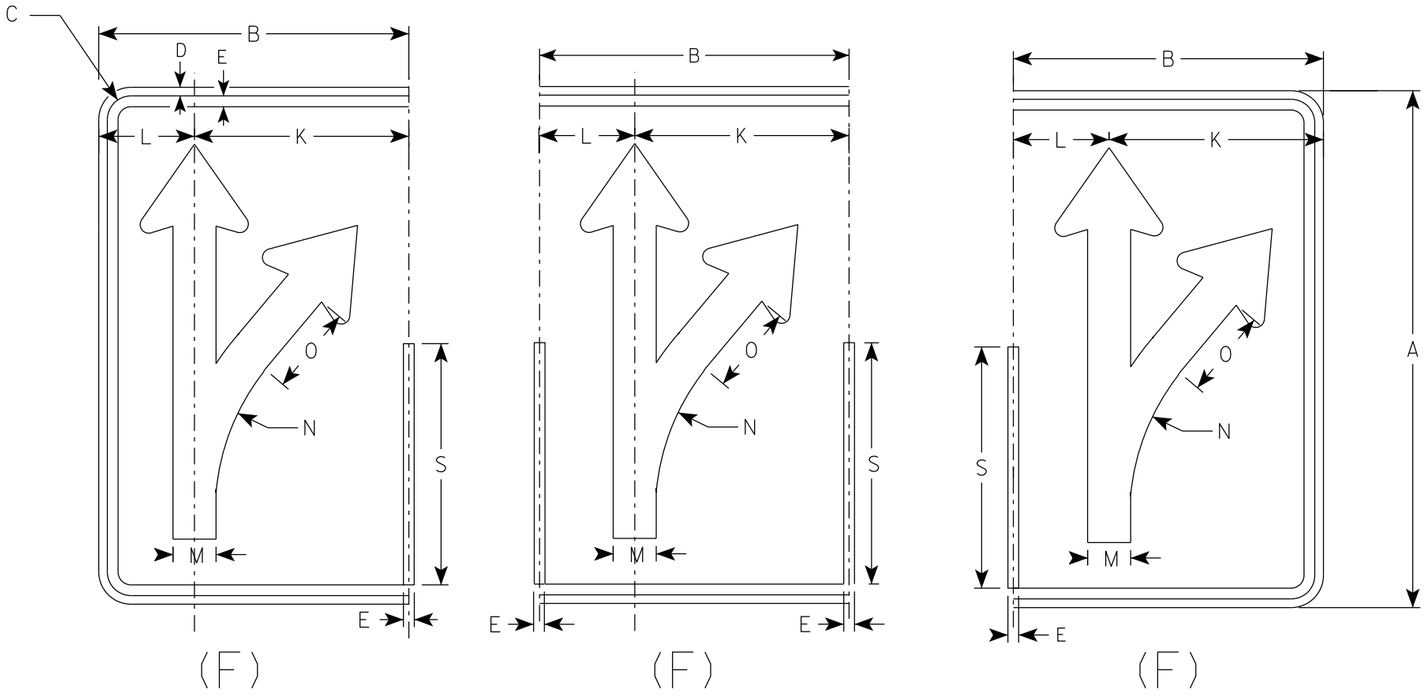
APPROVED Matthew R Rauch
For State Traffic Engineer

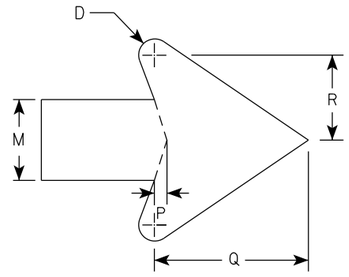
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 820 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

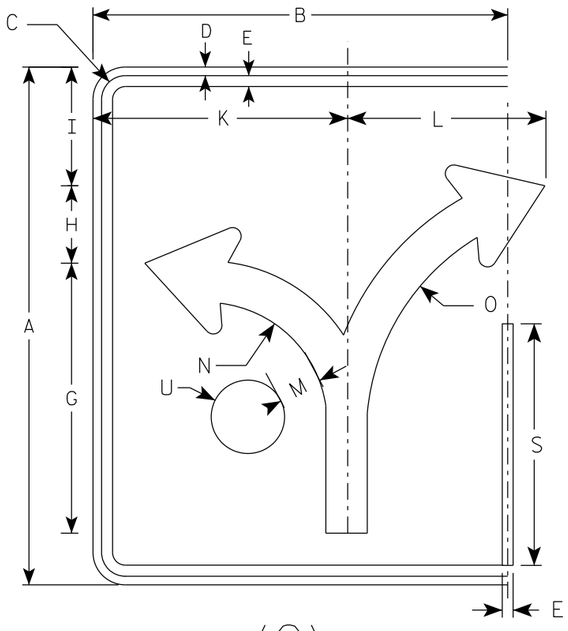
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

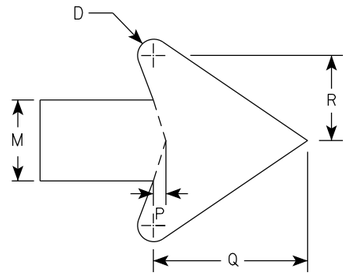
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 821 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

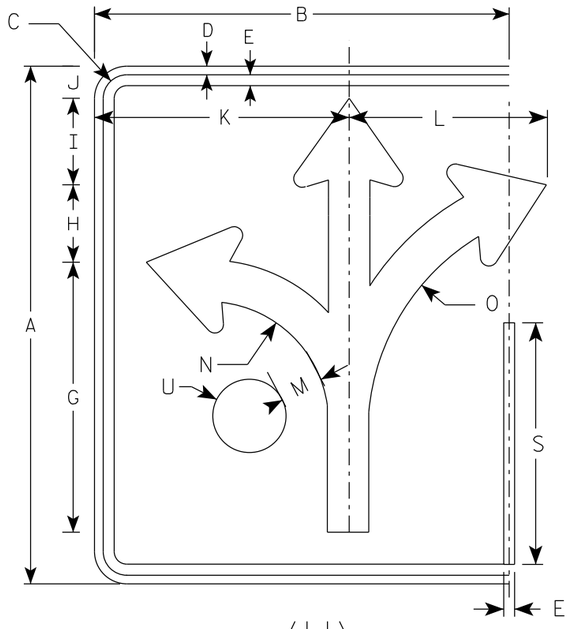
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

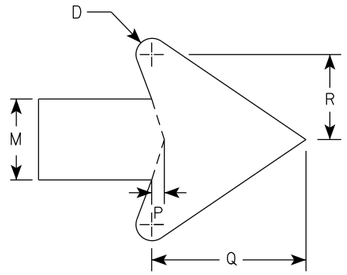
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 822 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

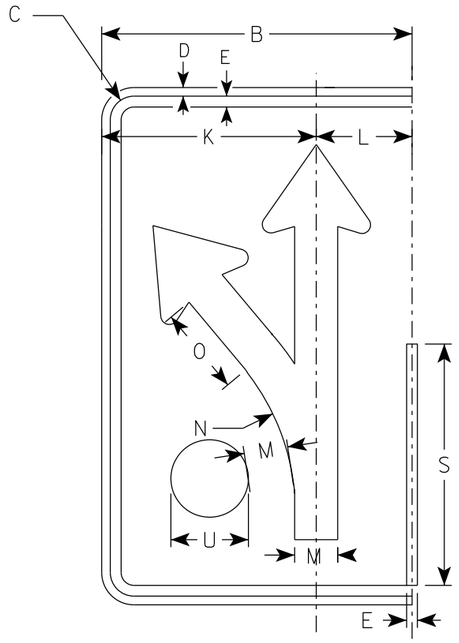
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

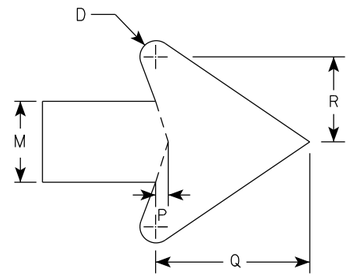
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 823	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

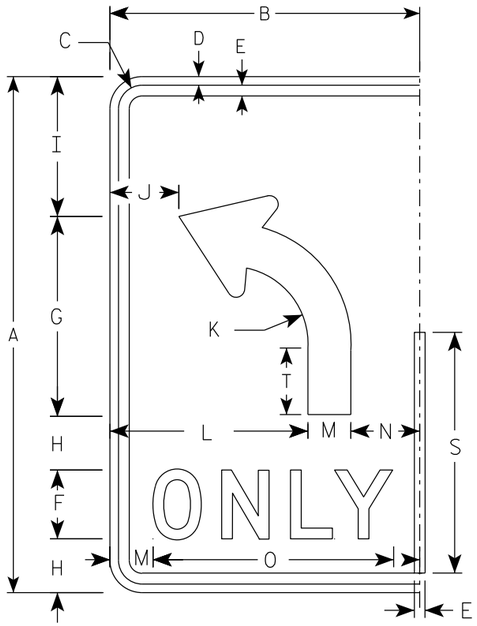
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

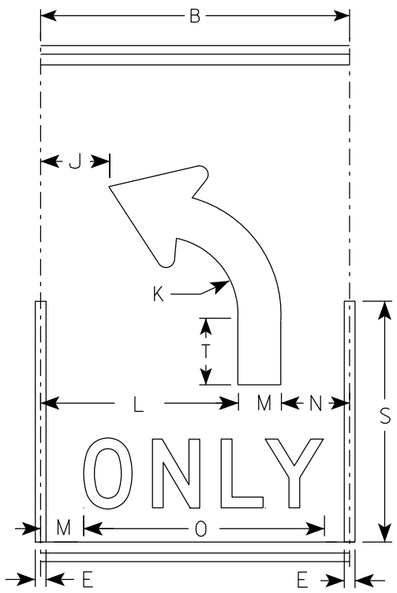
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 824 | E

NOTES

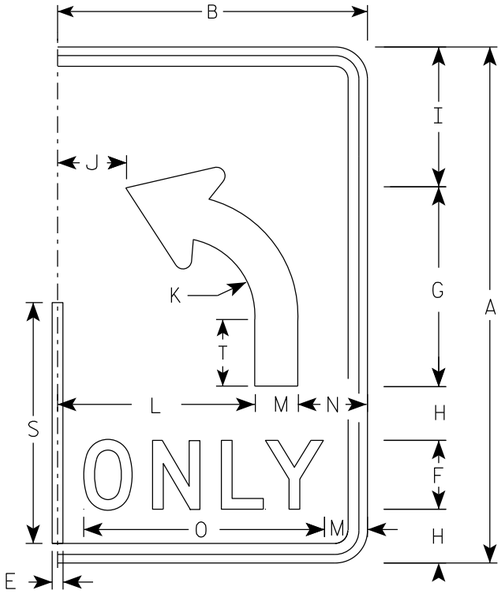
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



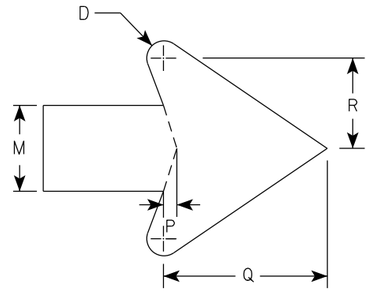
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

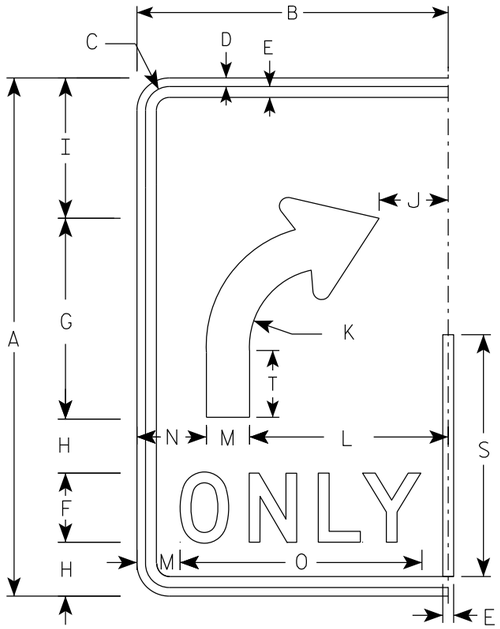
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

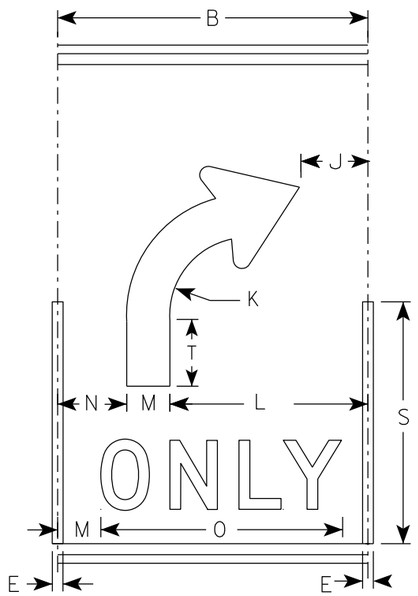
SHEET NO: 825 E

NOTES

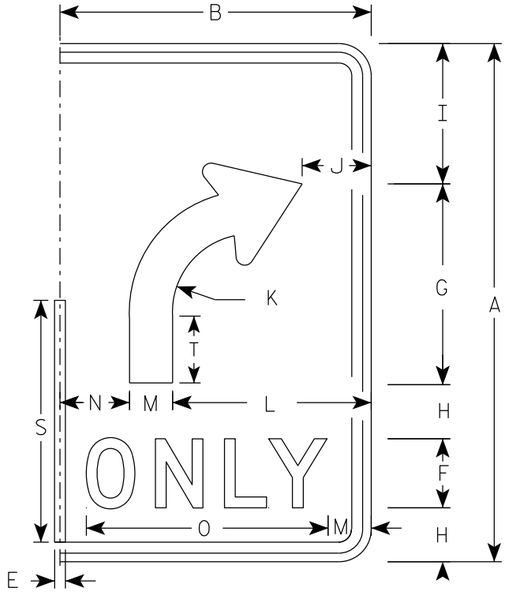
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



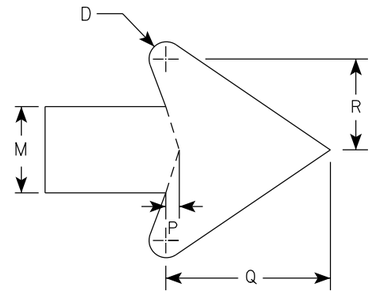
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

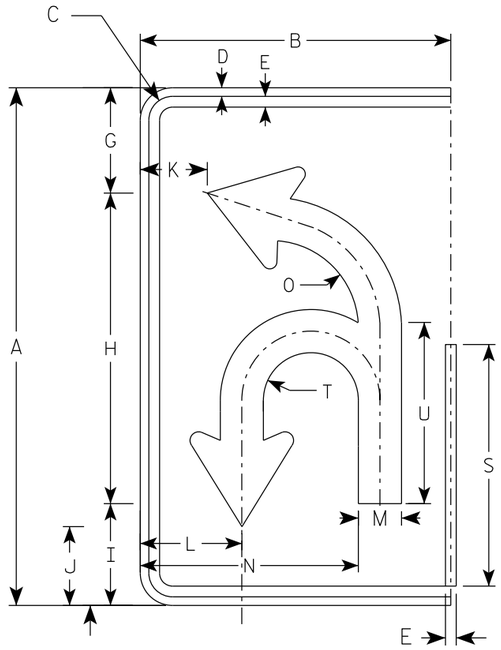
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

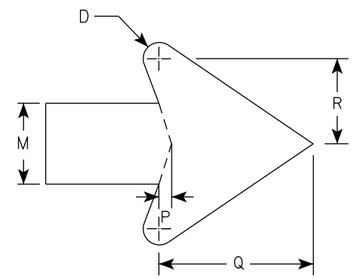
SHEET NO: 826 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

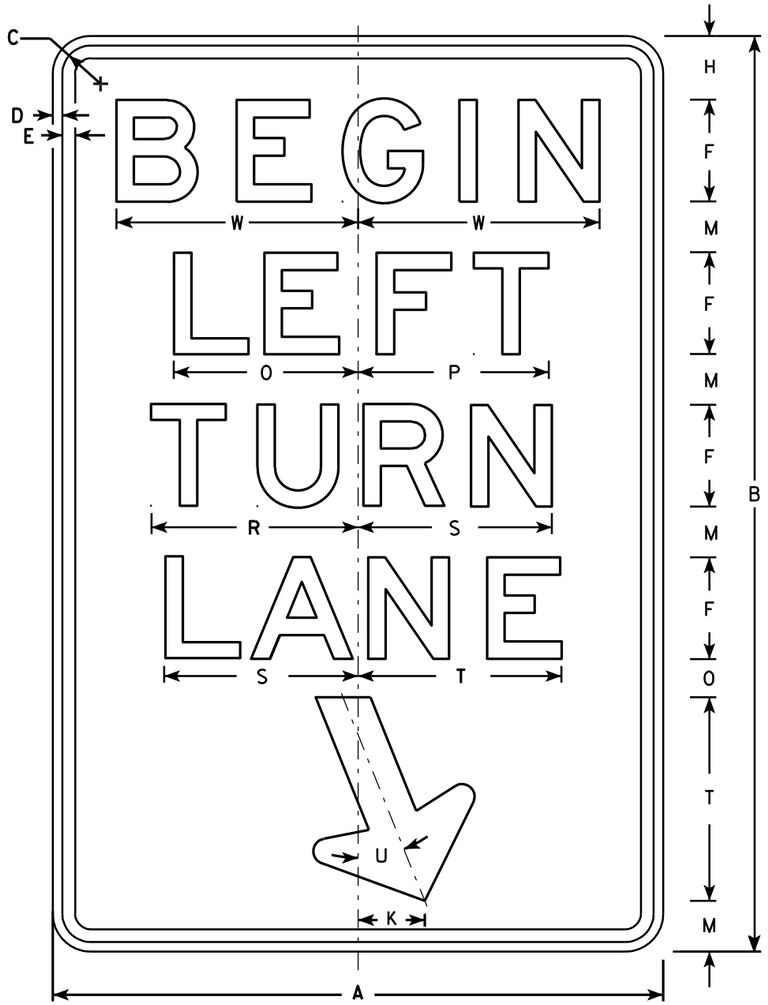
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

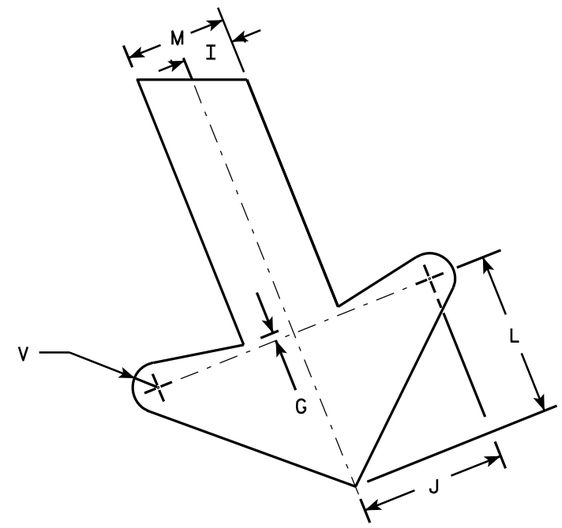
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 827 | E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

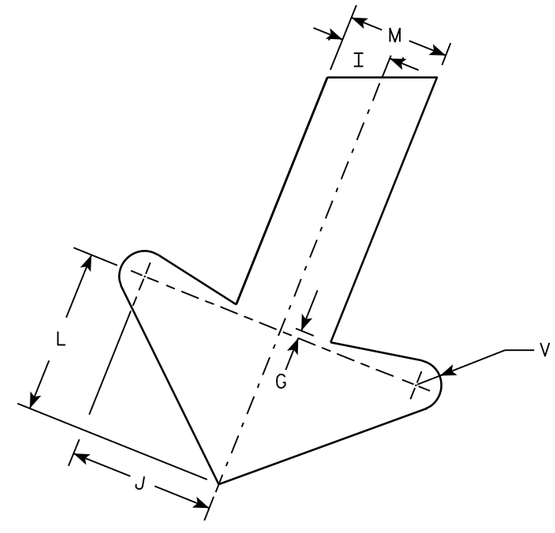
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 828 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

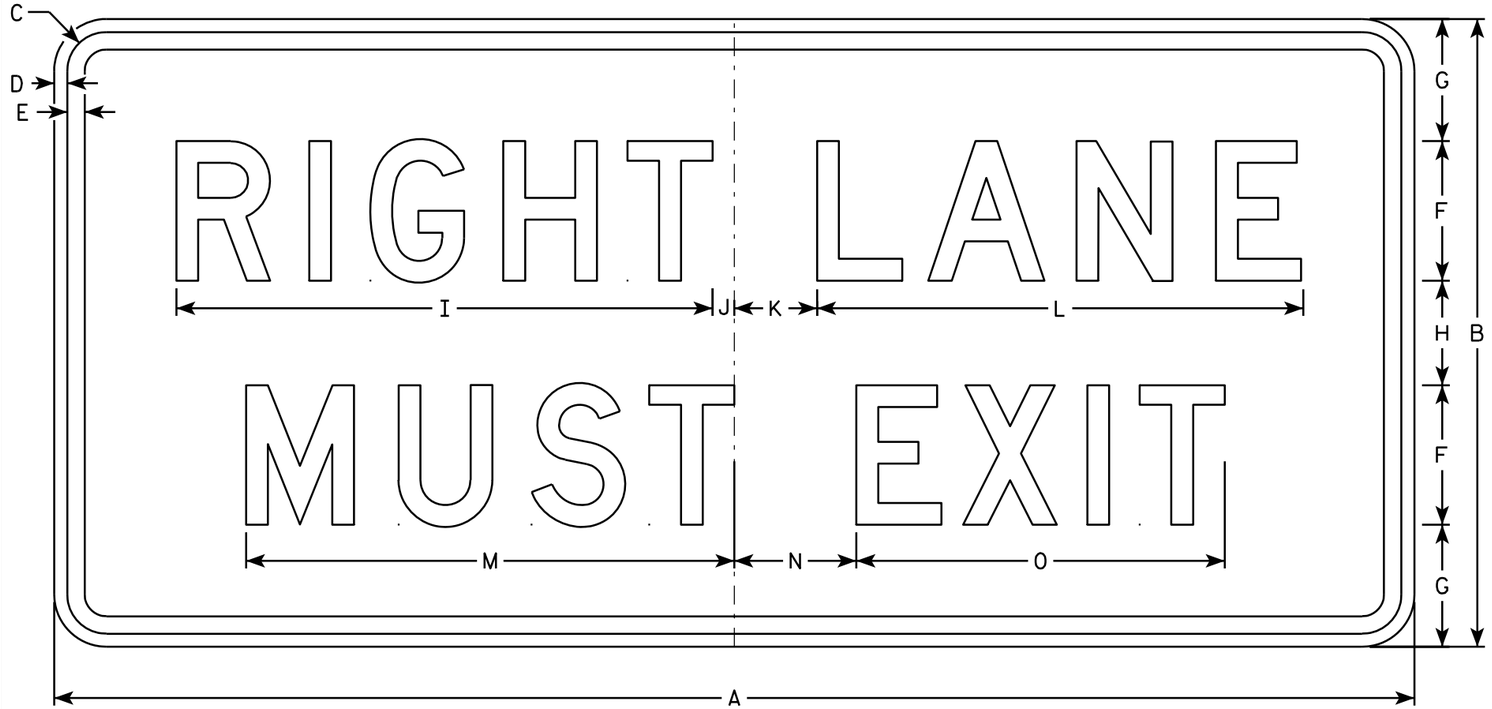
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

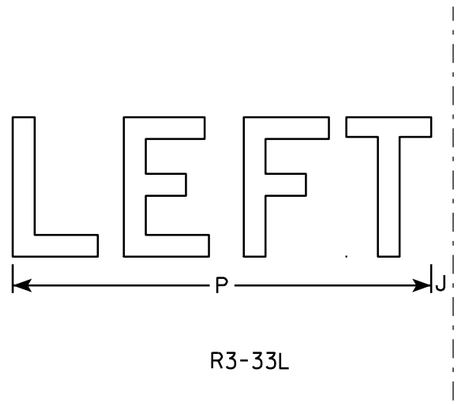
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 829 | E



R3-33R



R3-33L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	78	36	2 1/4	3/4	1	8	7	6	30 3/4	1 1/4	4 3/4	27 7/8	28	7	21 1/8	24											19.5
5	78	36	2 1/4	3/4	1	8	7	6	30 3/4	1 1/4	4 3/4	27 7/8	28	7	21 1/8	24											19.5

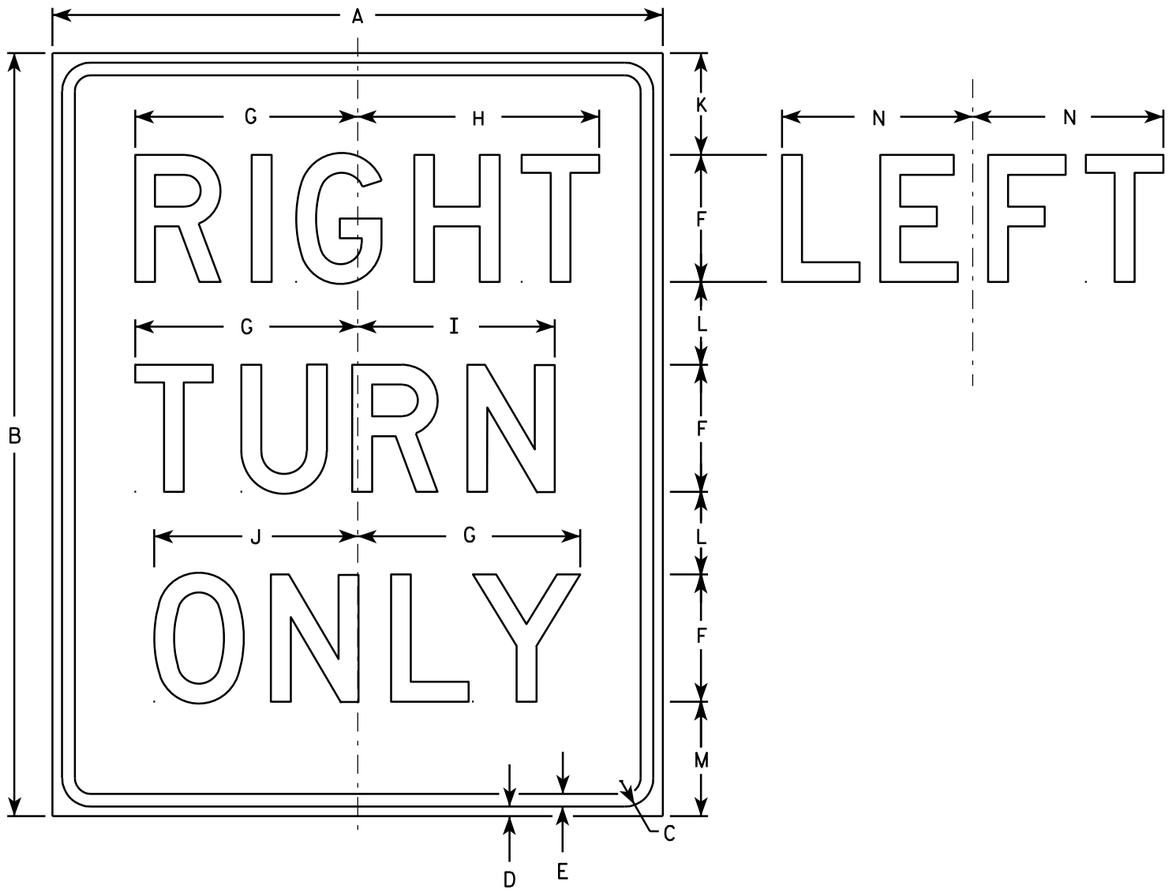
STANDARD SIGN
R3-33

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/7/10 PLATE NO. R3-33.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 830 | E



R3-53R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R3-53L same as R3-53R except LEFT is substituted for RIGHT.

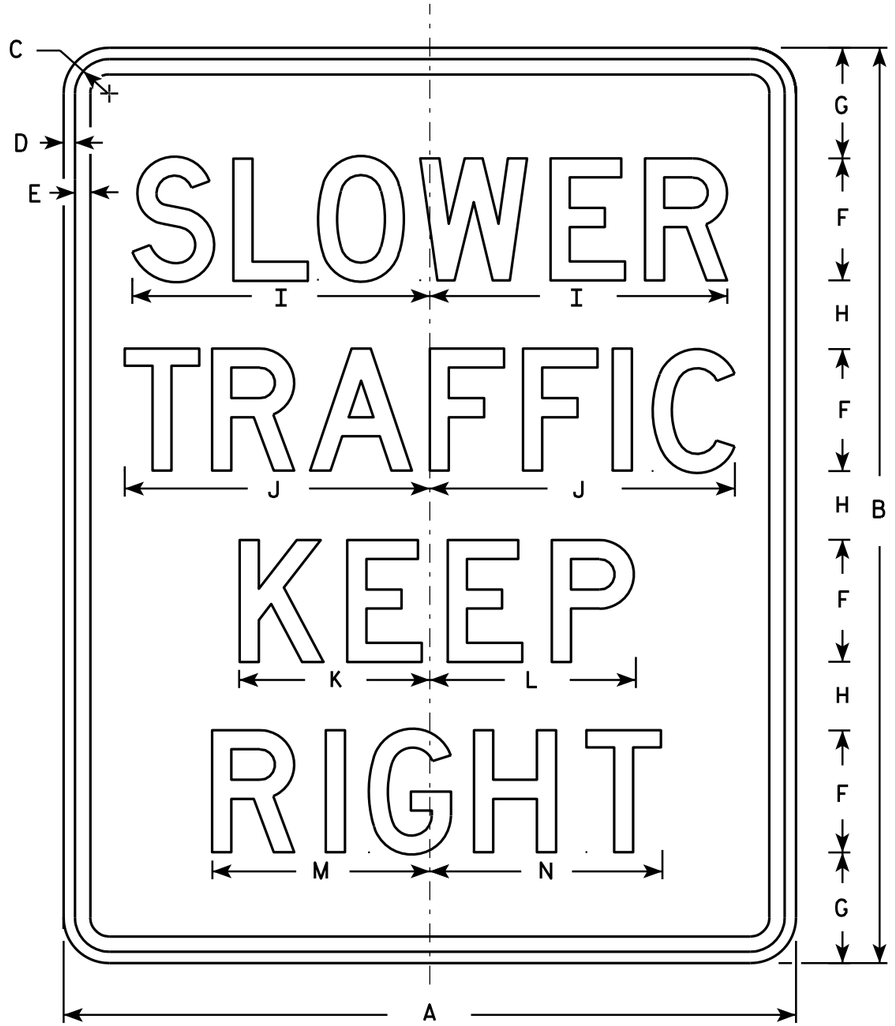
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

STANDARD SIGN
R3-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/24/2011 PLATE NO. R3-53.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 831	E



R4-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
3	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
4	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
5	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	19 1/2	20	12 1/2	13 1/2	14 1/4	15 1/4													20.0

STANDARD SIGN
R4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-3.8

PROJECT NO:

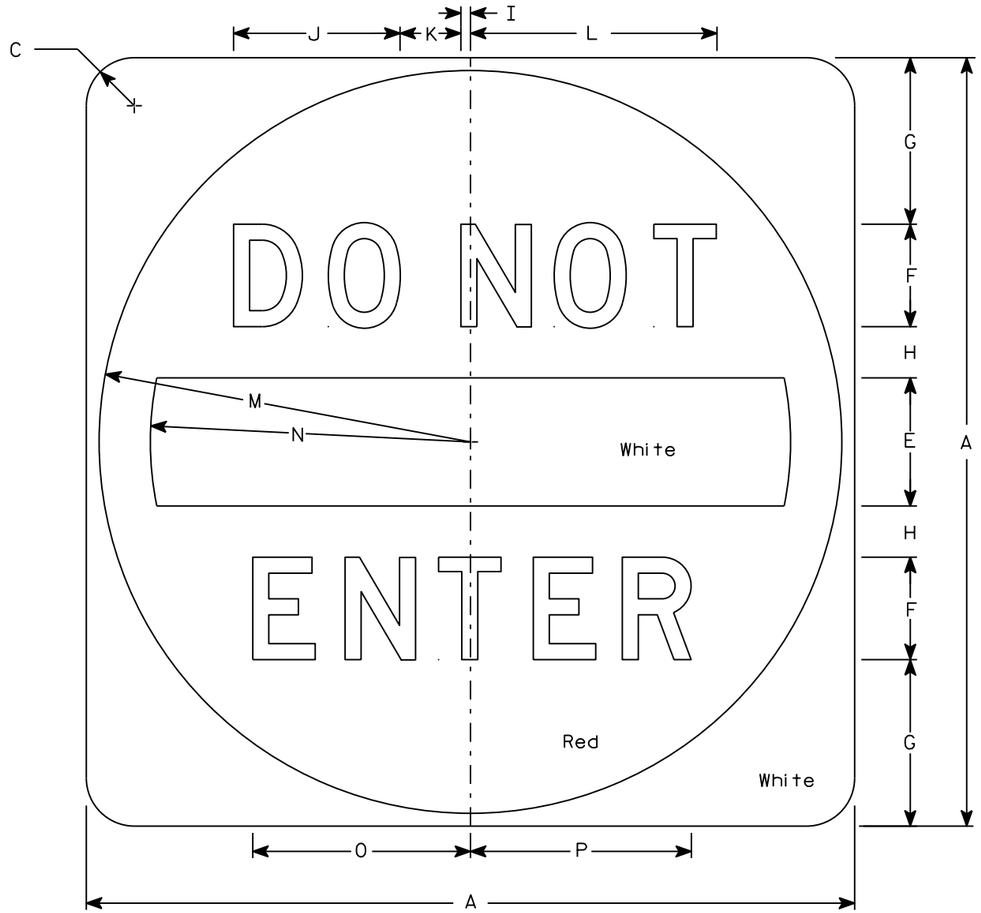
SHEET NO: 832 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R43.DGN PLOT DATE : 25-MAR-2011 13:40 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

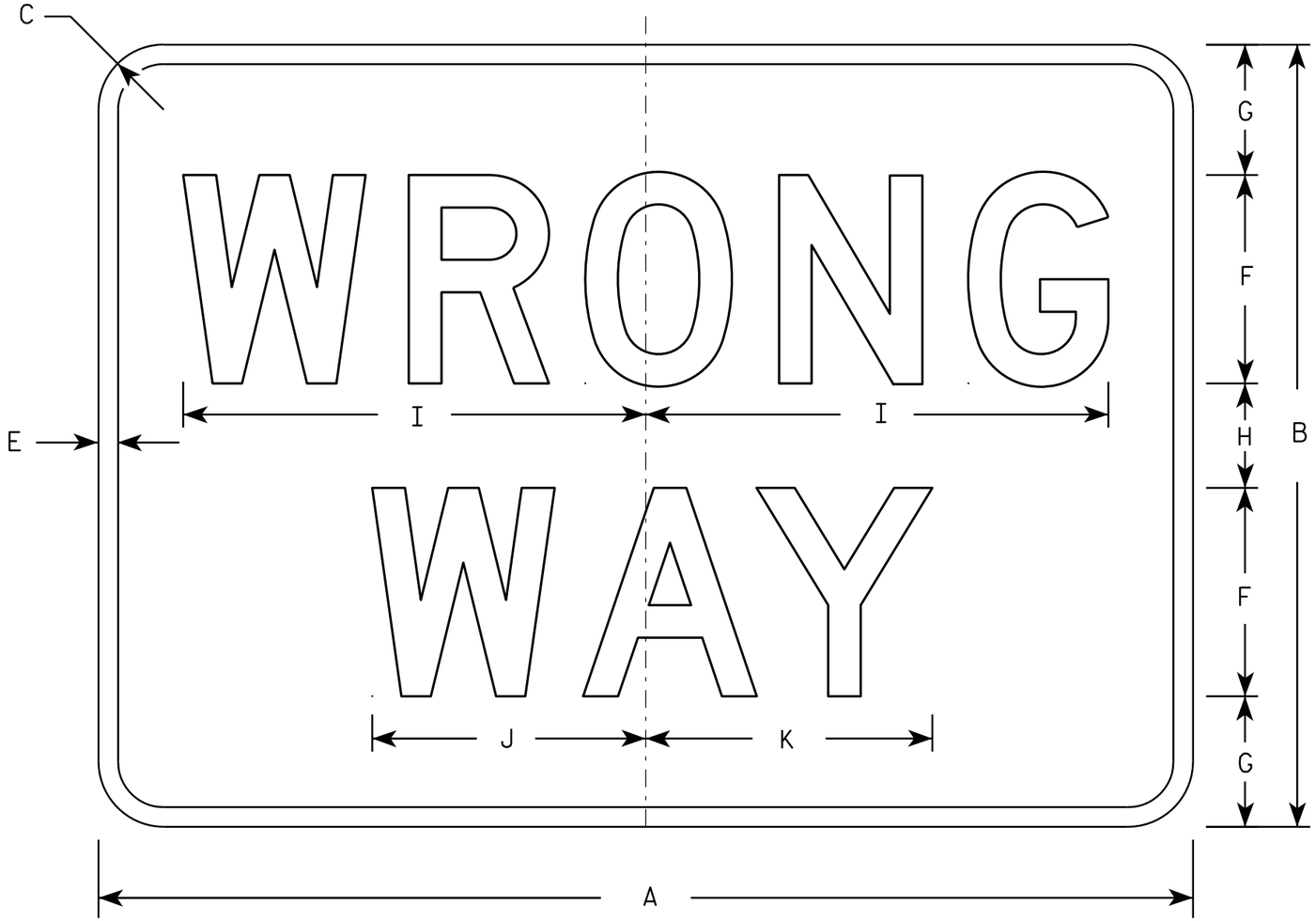
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 833 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 834	E



R5-57

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Lines 1, 2, and 5 are Series C.
   Lines 3 and 4 are Series B.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0
5	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0

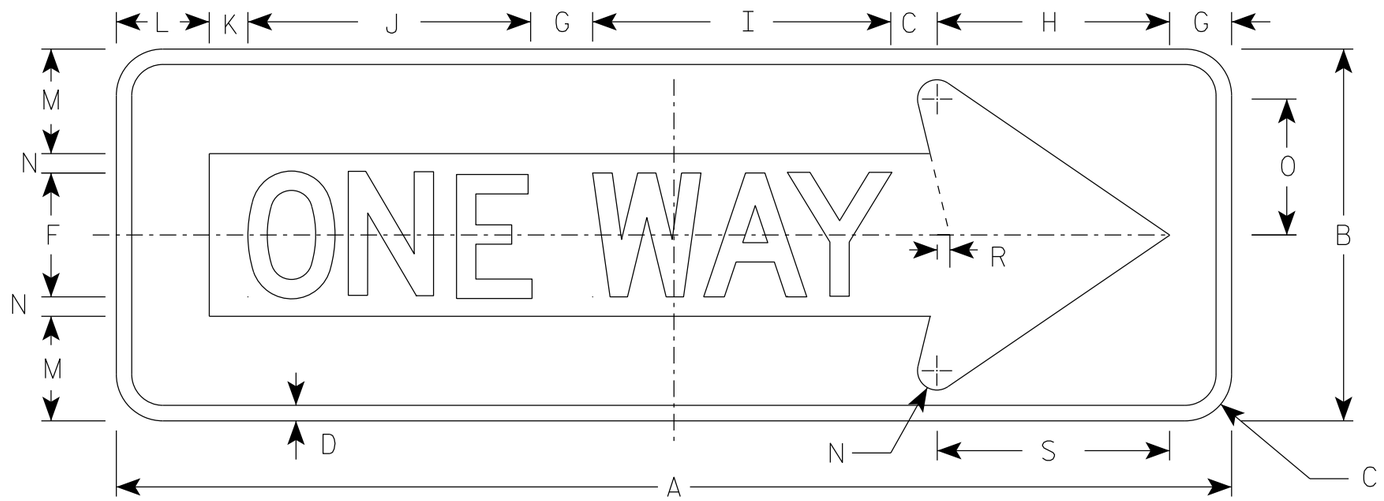
STANDARD SIGN
R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-57.10

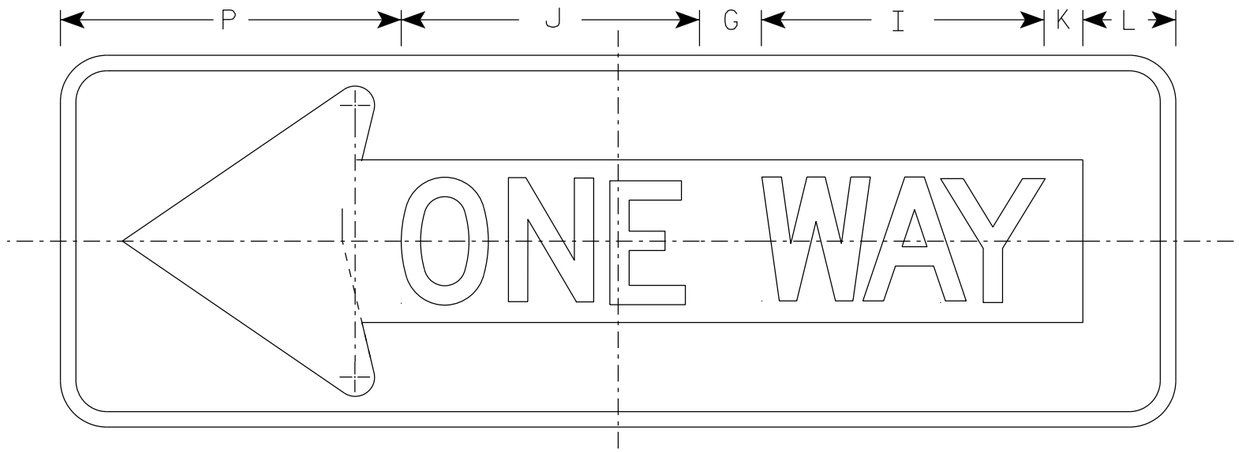
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 835	E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

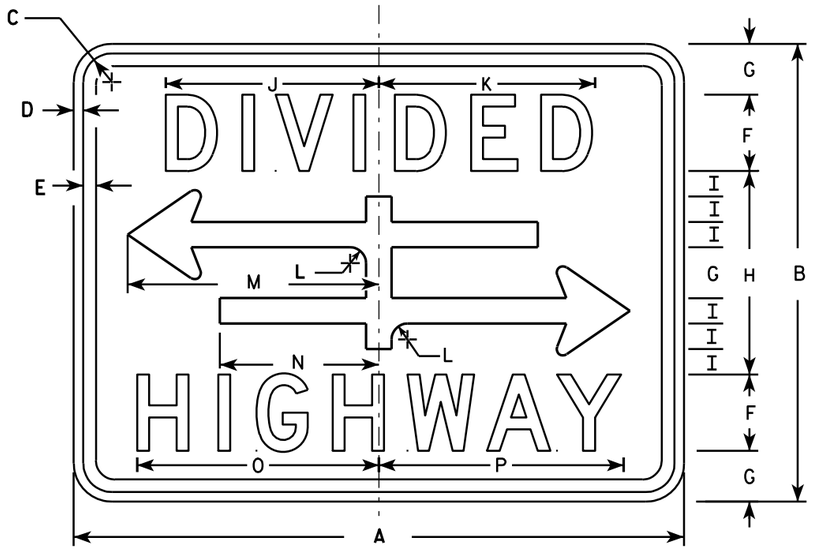
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

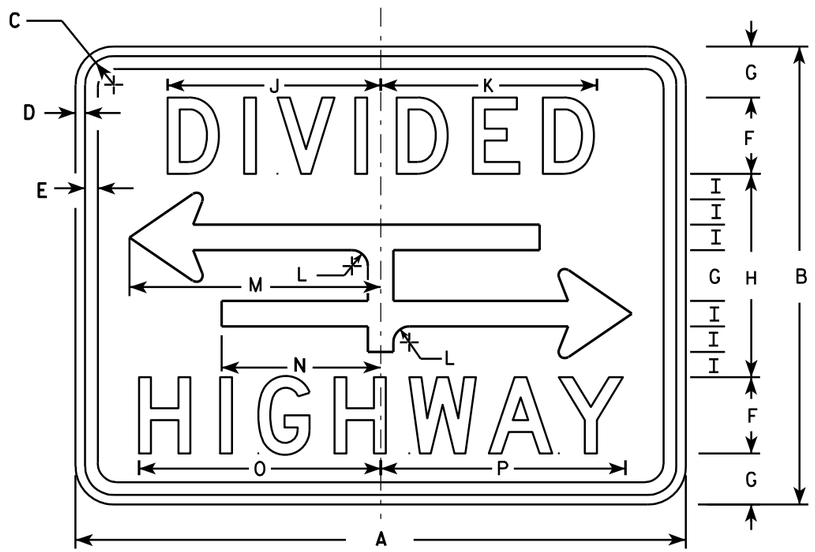
SHEET NO: 836 E



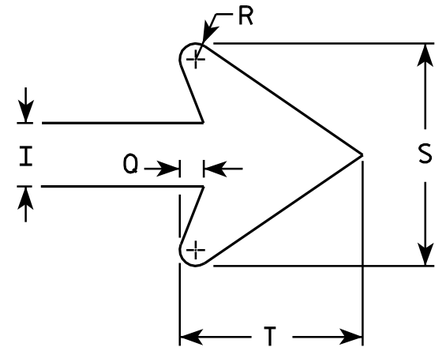
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

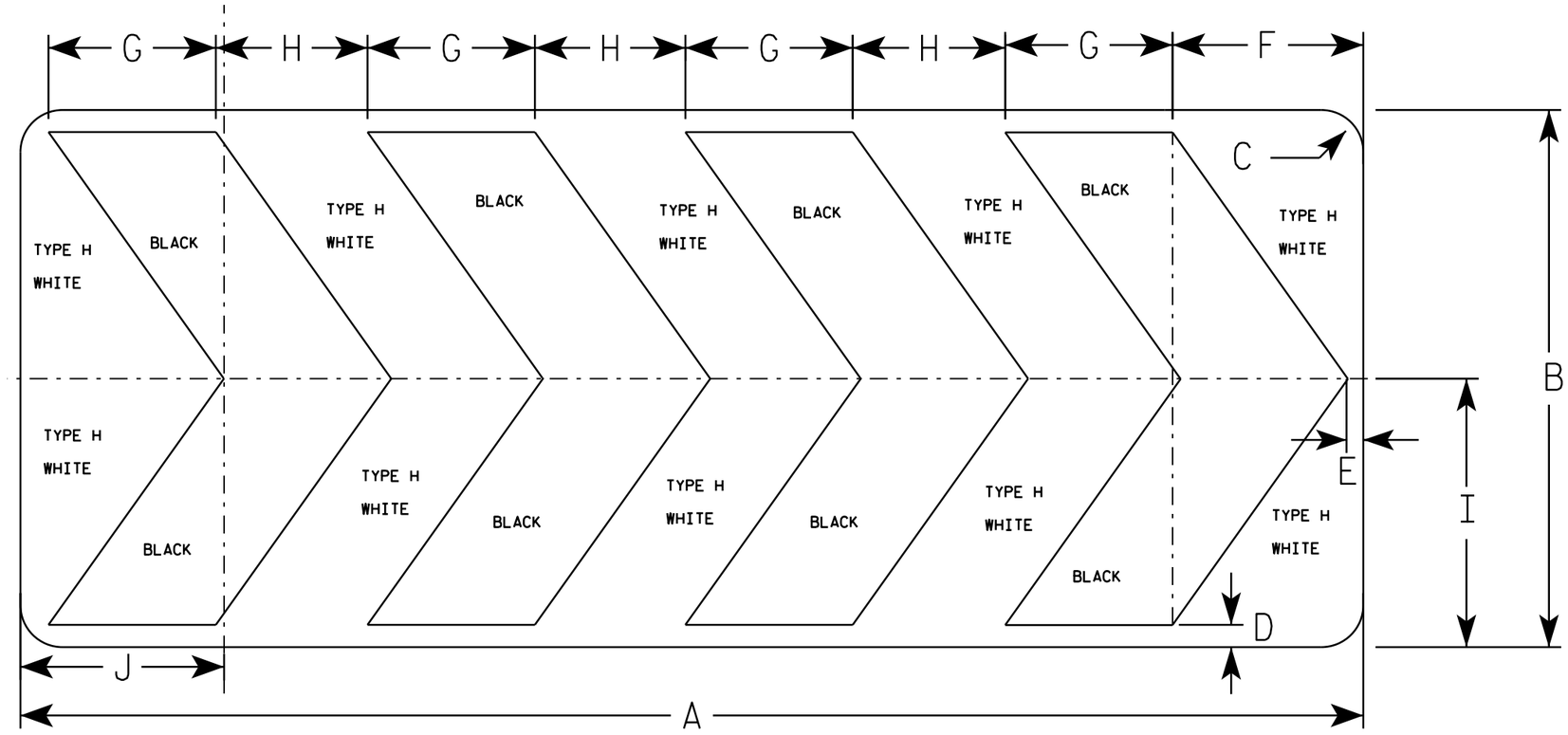
DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

SHEET NO: 837 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

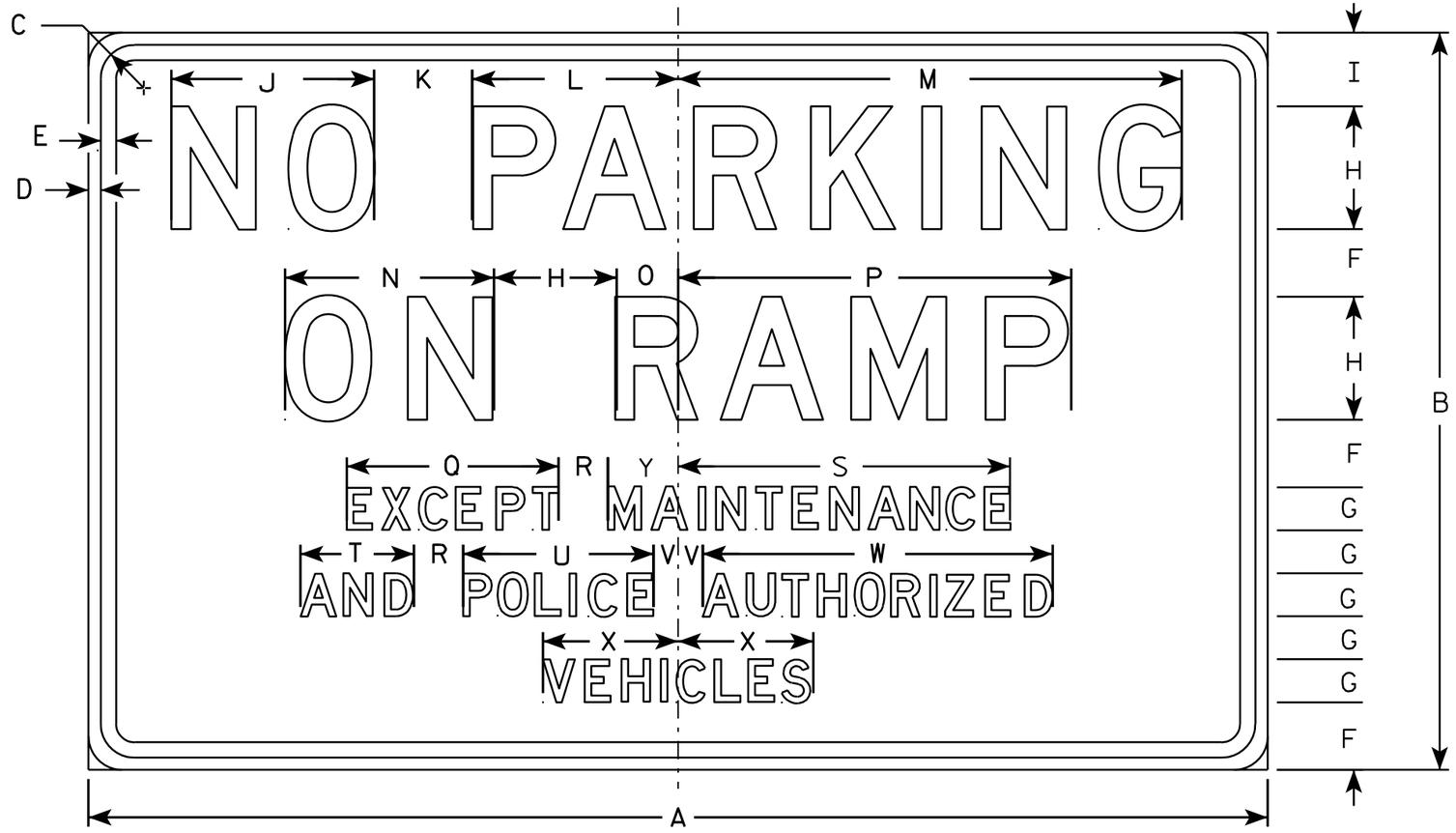
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



R7-64

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - Lines 1& 2 and Border are RED
   Lines 3, 4, & 5 are BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3	48	30	1 3/8	1/2	5/8	2 3/4	1 3/4	5	3	8 1/4	4	8 3/8	20 1/2	8 1/2	2 1/2	16	8 5/8	2	13 5/8	4 5/8	7 3/4	1	14 1/4	5 1/2			10.0
4																											
5																											

STANDARD SIGN
R7-64

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-64.3

PROJECT NO:

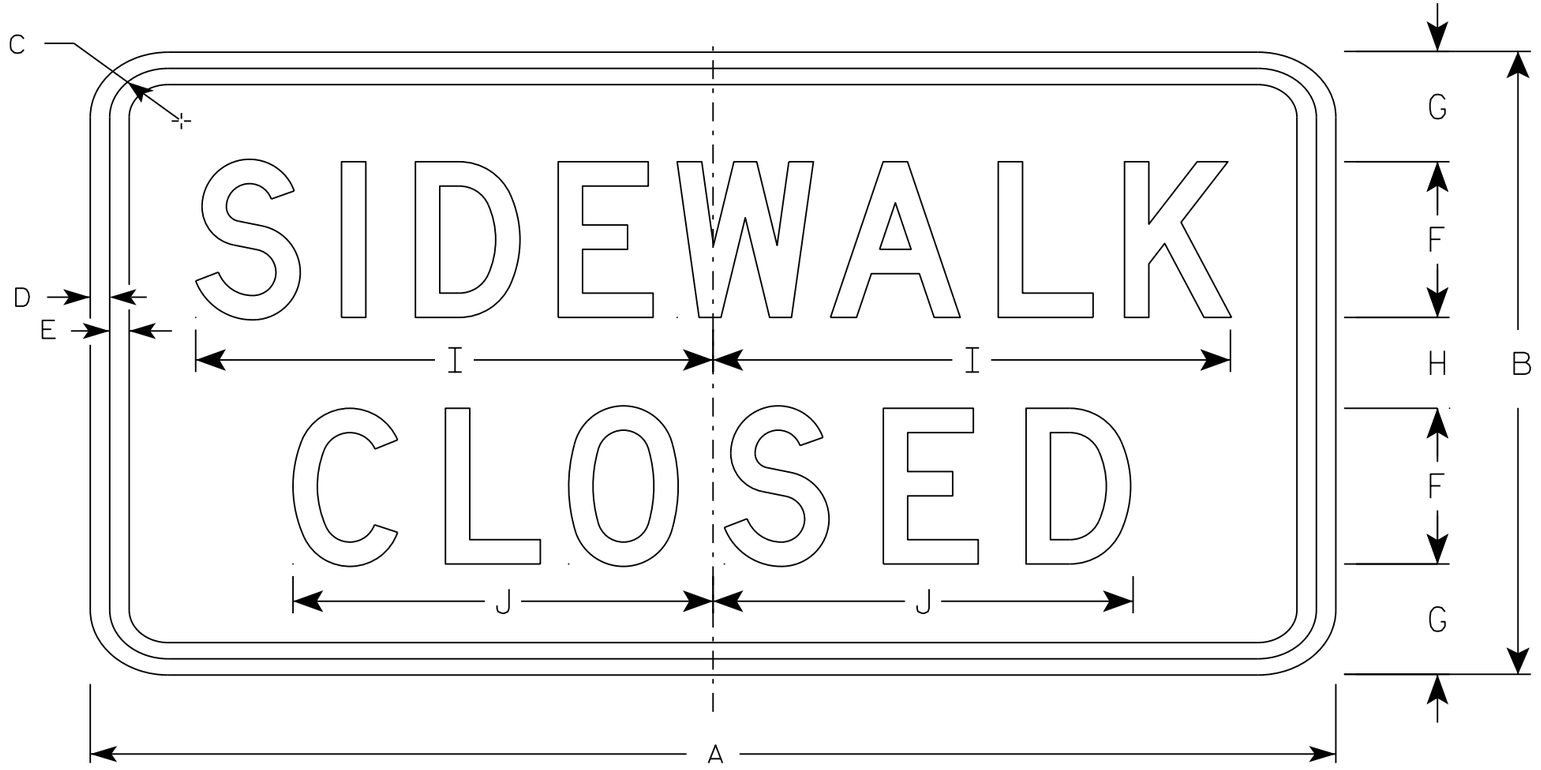
SHEET NO: 839 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R764.DGN PLOT DATE : 31-MAR-2011 13:47 PLOT BY : mscsja PLOT SCALE :

WISDOT/CADDS SHEET 42

7

7



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

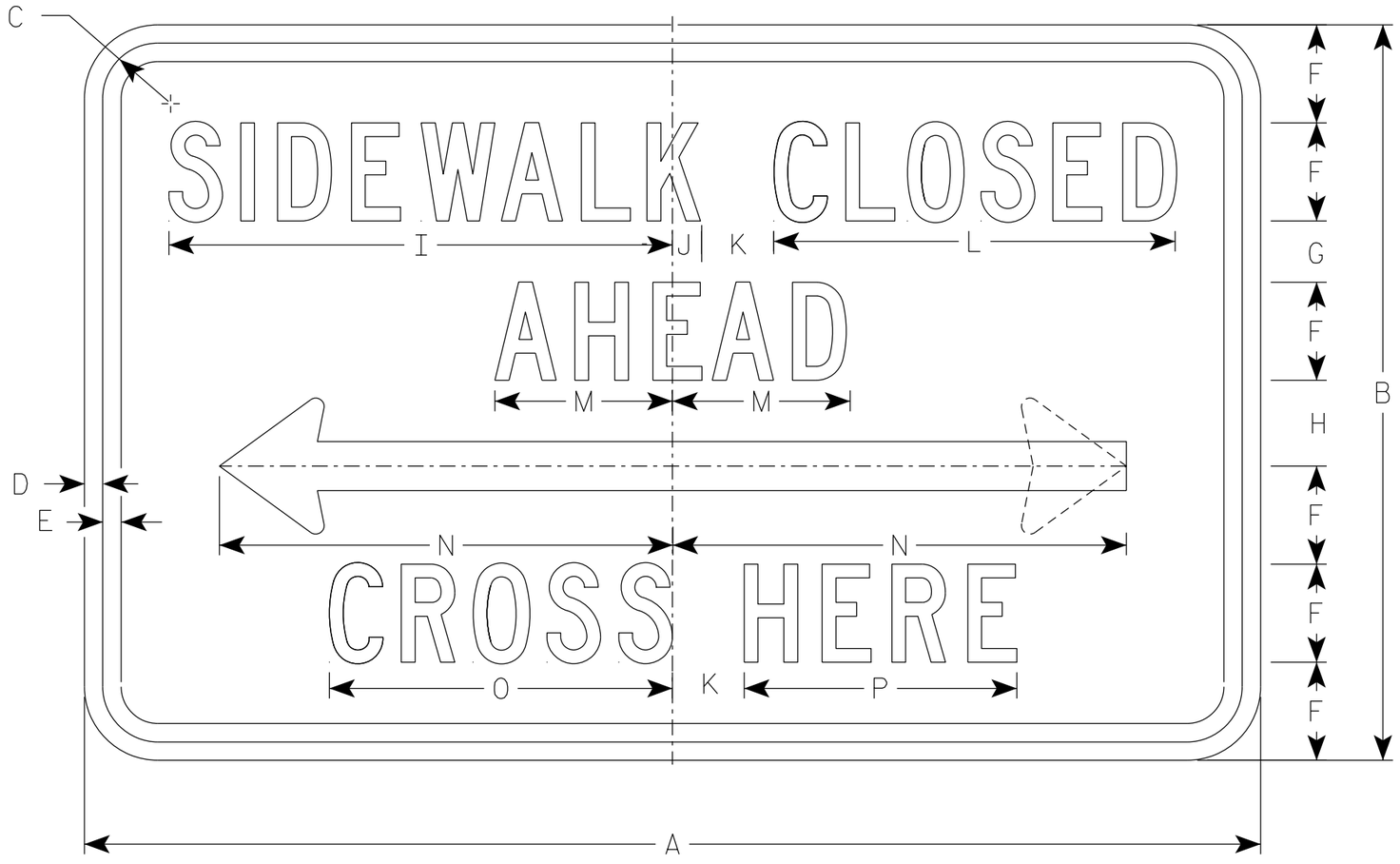
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

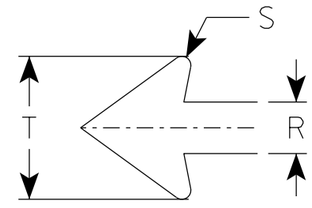
DATE 8/11/16 PLATE 840 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
6. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (right arrow)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

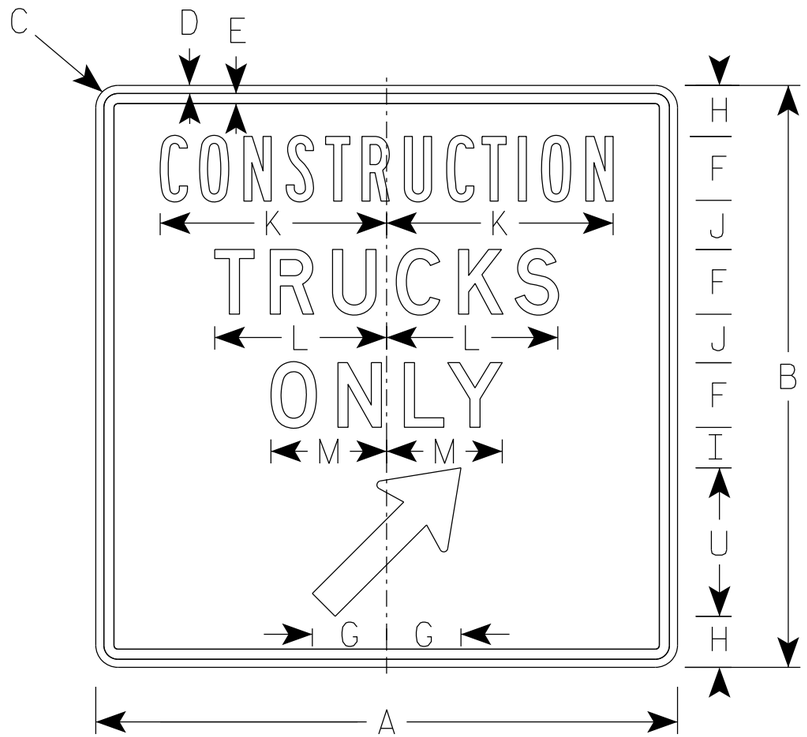
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

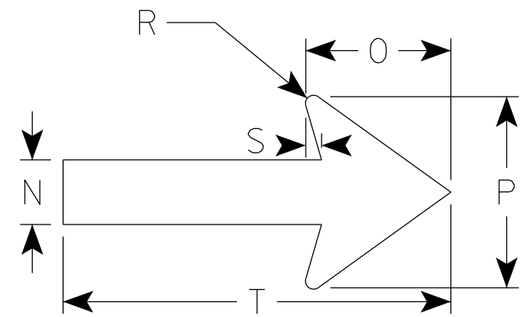
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 841 | E



R10-72R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 Series B Line 2-3 Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R10-72L is same as R10-72R except arrow is reversed



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	36	1 3/8	1/2	5/8	4	4 5/8	3 1/8	2 1/2	3	14	10 5/8	7 1/8	2	4 1/2	6		1/2	1/2	12	9 1/4						9.0
2M																											
3																											
4																											
5																											

STANDARD SIGN
R10-72

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/4/2020 PLATE NO. R10-72.1

PROJECT NO:

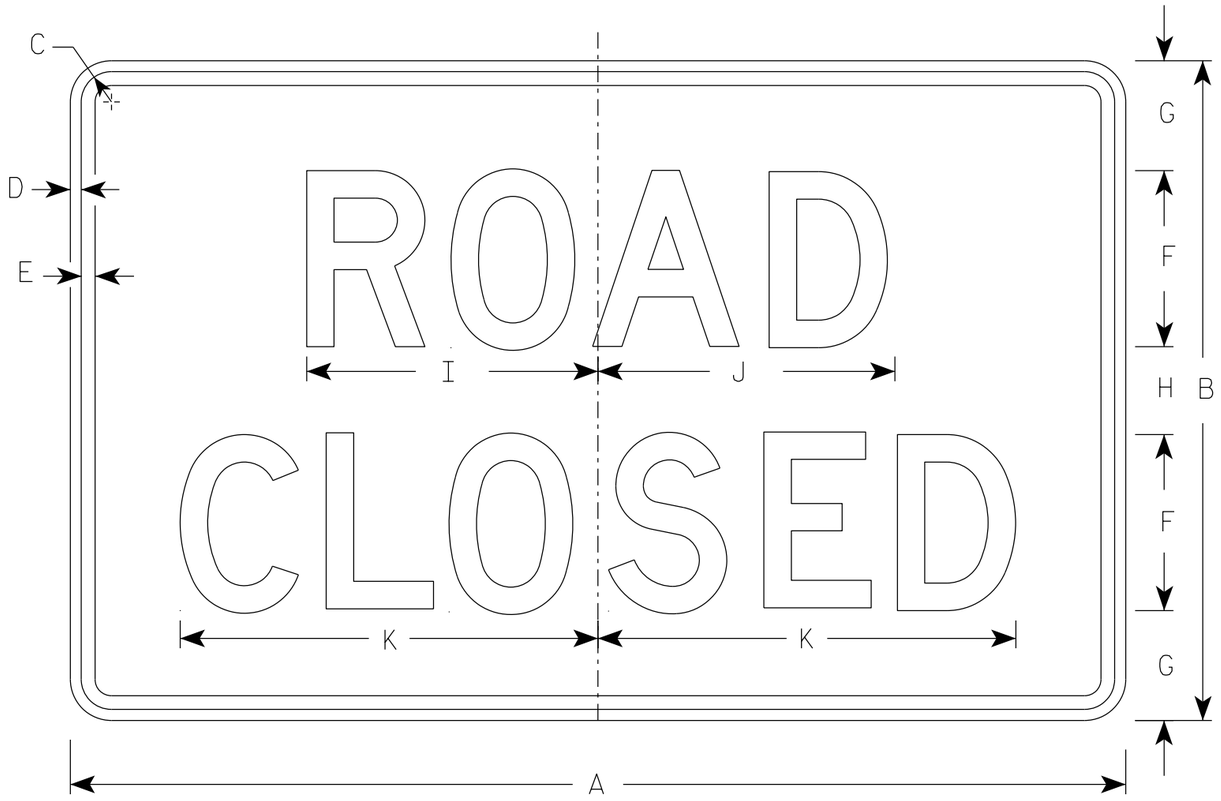
SHEET NO: 842 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R1072.dgn PLOT DATE : 5-MAY 2020 10:40 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

7

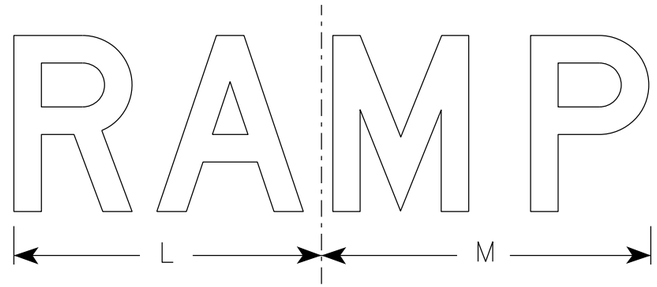
7



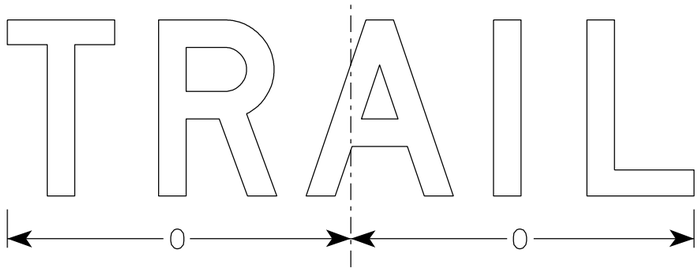
R11-2

NOTES

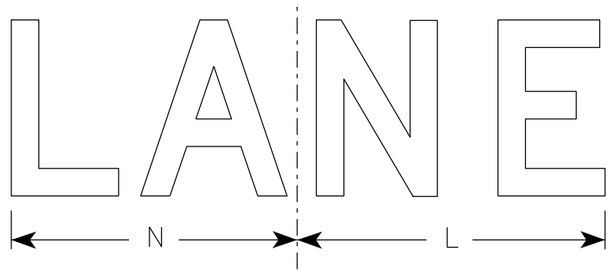
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

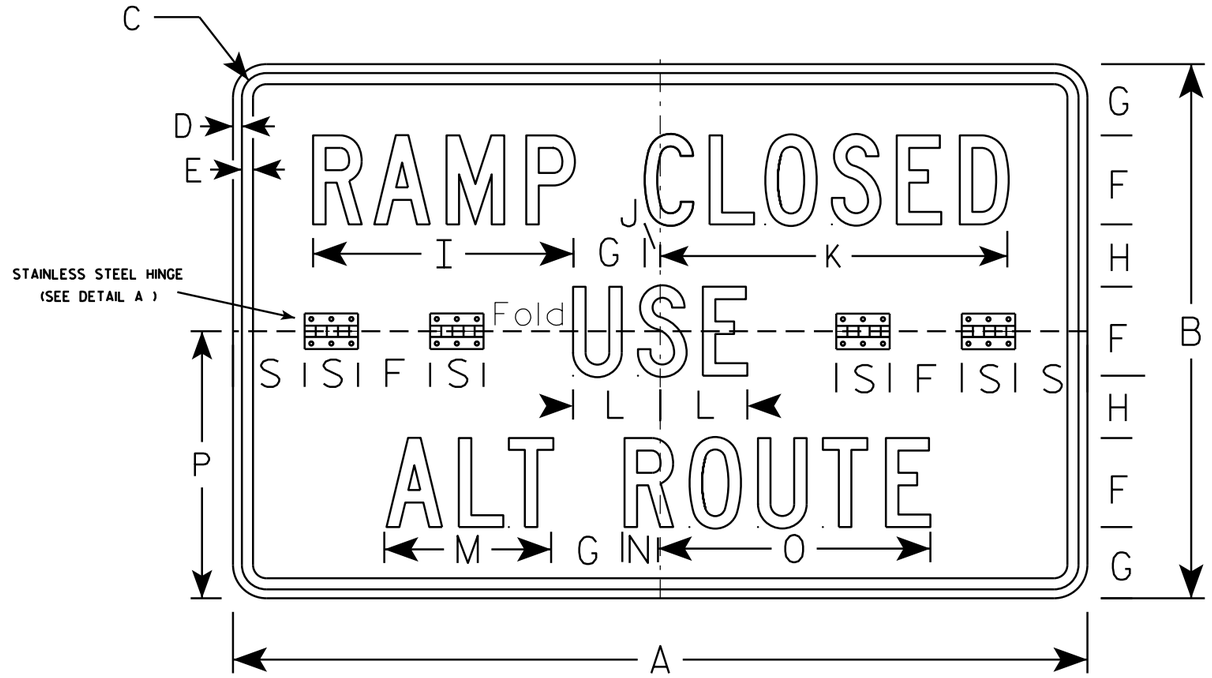
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

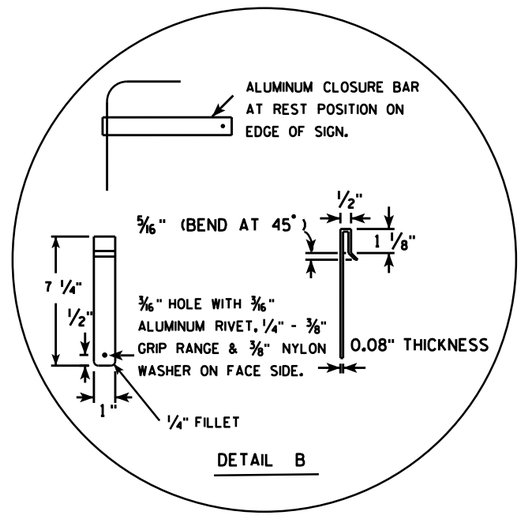
DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 843	E



R11-54F

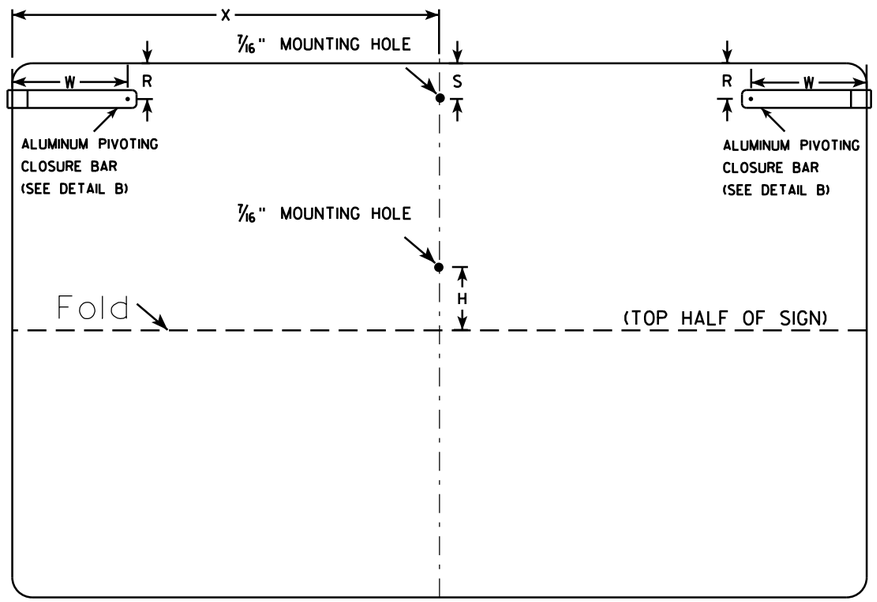
DETAIL A



DETAIL B

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - C
4. Sign Base Material shall be aluminum, corners and borders shall be rounded.
5. All hardware used on the folding sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.
6. Refer to plate A5-3A for sign blank layout.



(BACK VIEW)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	5	4	3 1/2	14 5/8	7/8	19 1/2	4 7/8	9 3/8	2	15 1/4	15		2	3	2 5/8	1 1/4	11/16	6 1/2	24			10.0
2M	48	30	1 3/8	1/2	5/8	5	4	3 1/2	14 5/8	7/8	19 1/2	4 7/8	9 3/8	2	15 1/4	15		2	3	2 5/8	1 1/4	11/16	6 1/2	24			10.0
3																											
4																											
5																											

STANDARD SIGN
R11-54F

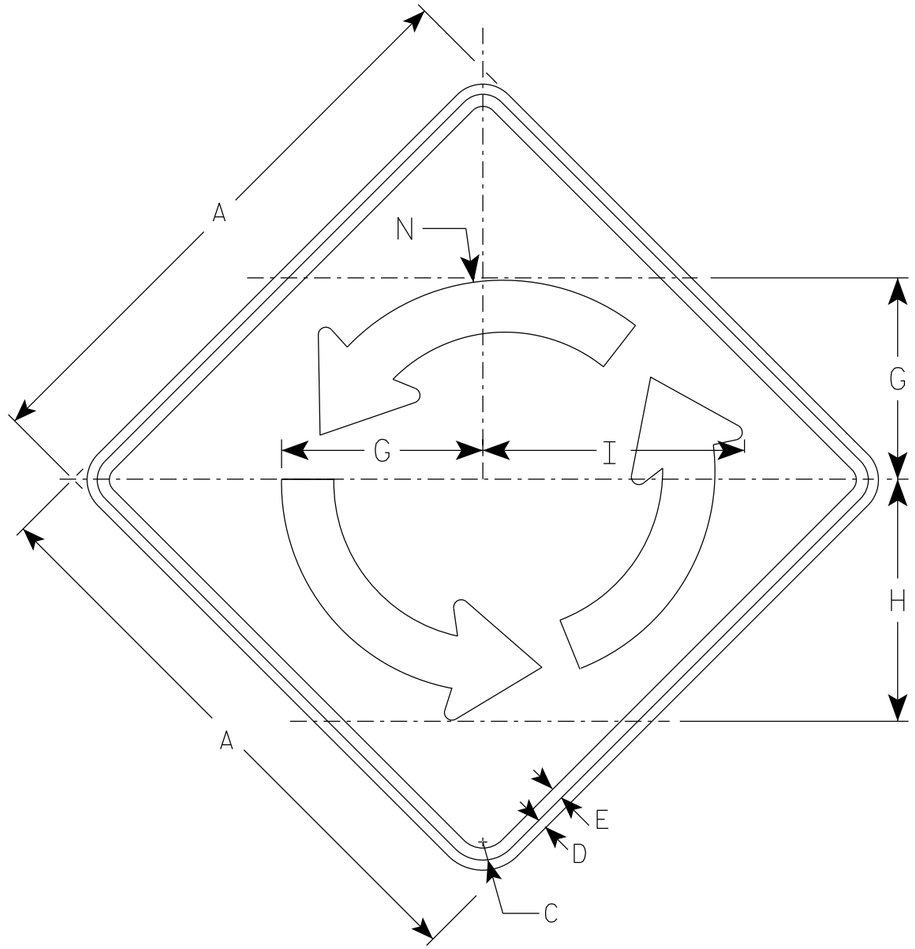
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/28/14 PLATE NO. R11-54F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R1154F.DGN PLOT DATE : 28-MAY-2014 14:15 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 8.511110:1.000000
WISDOT/CADDS SHEET 42

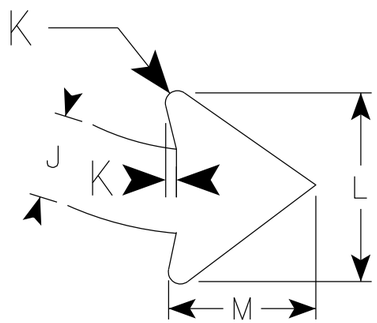


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

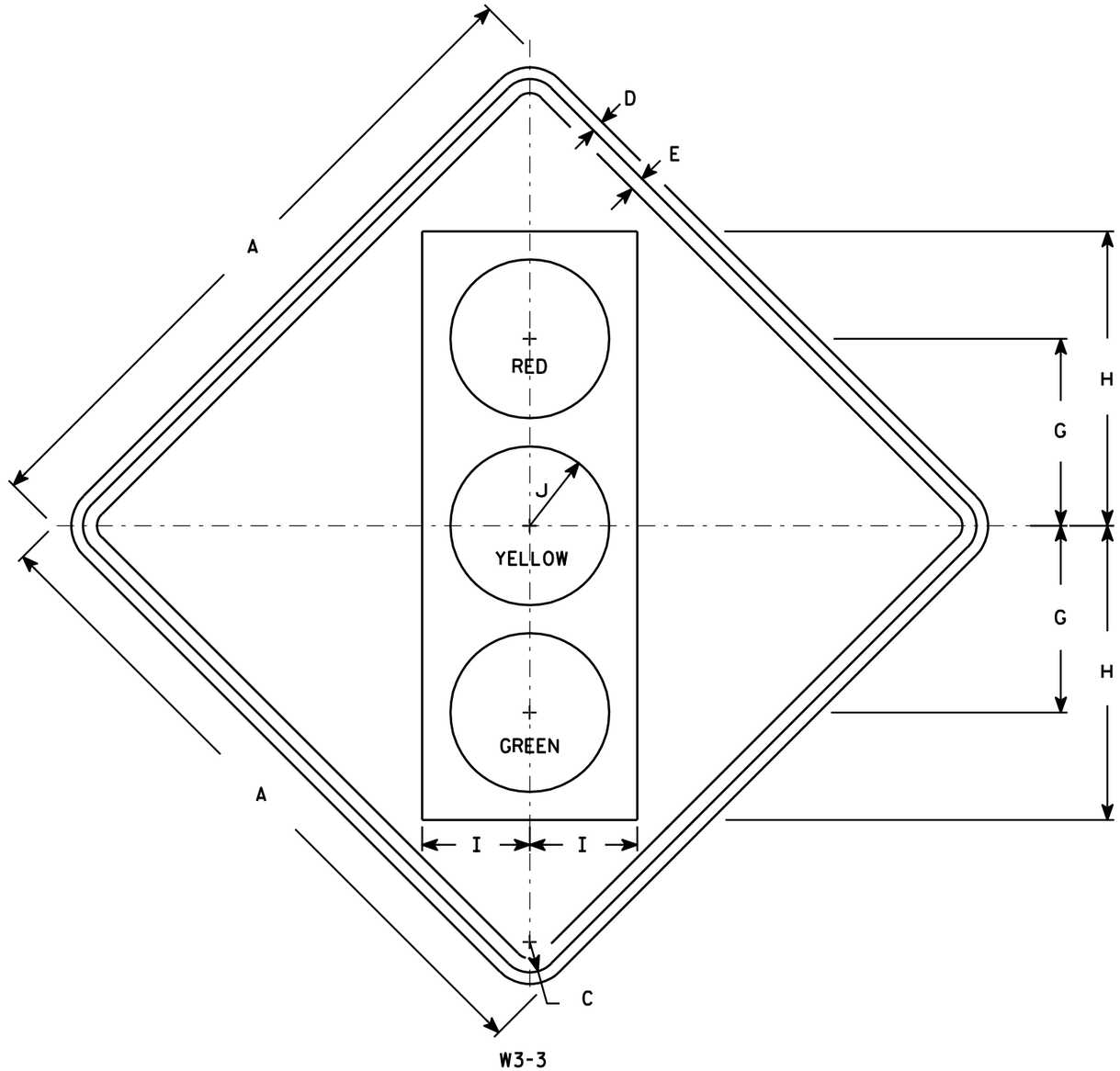
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/21 PLATE NO. W2-6.7

PROJECT NO:

SHEET NO: 845 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

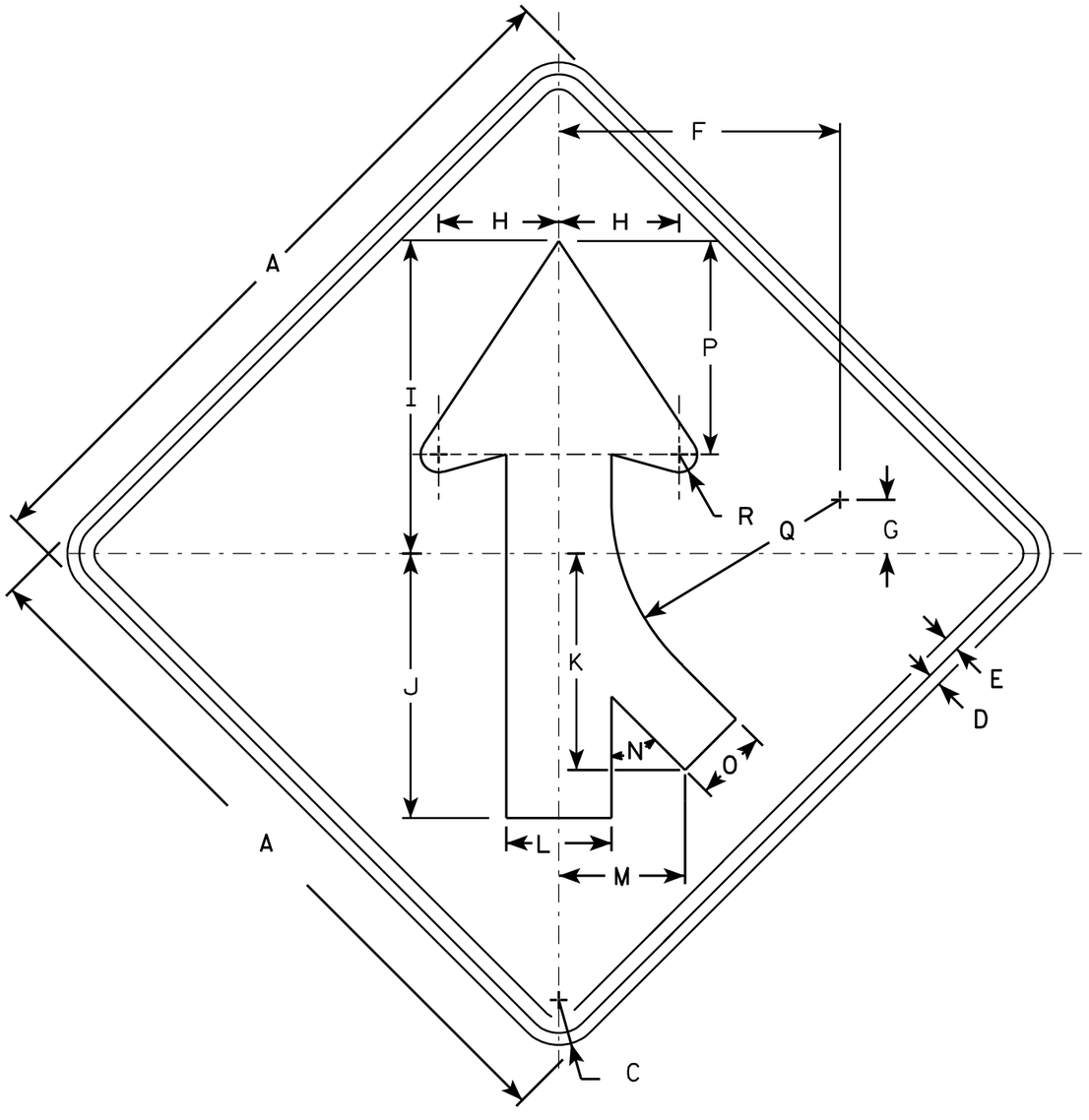
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 846 | E



W4-1 R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4									6.25
2S	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2M	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
3	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

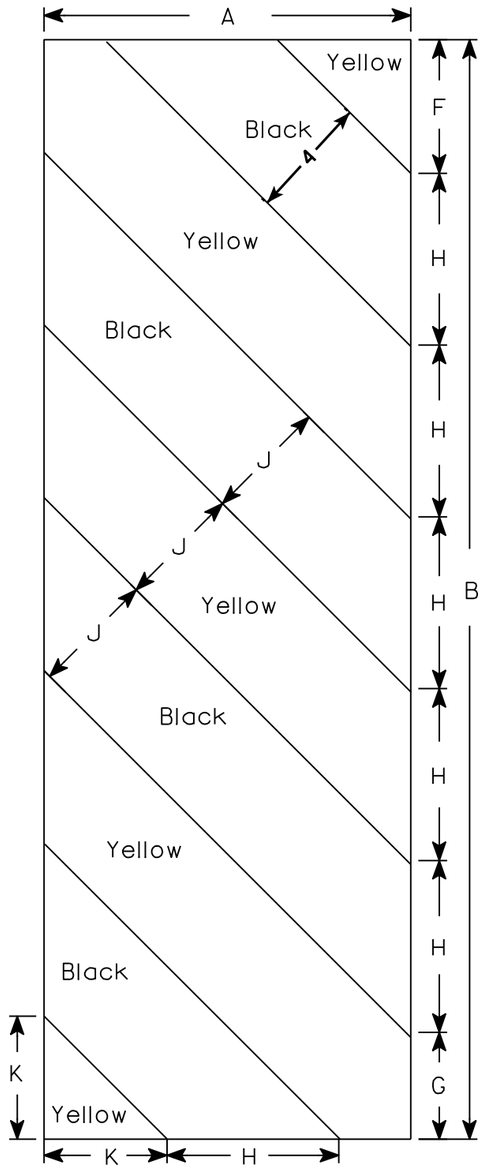
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

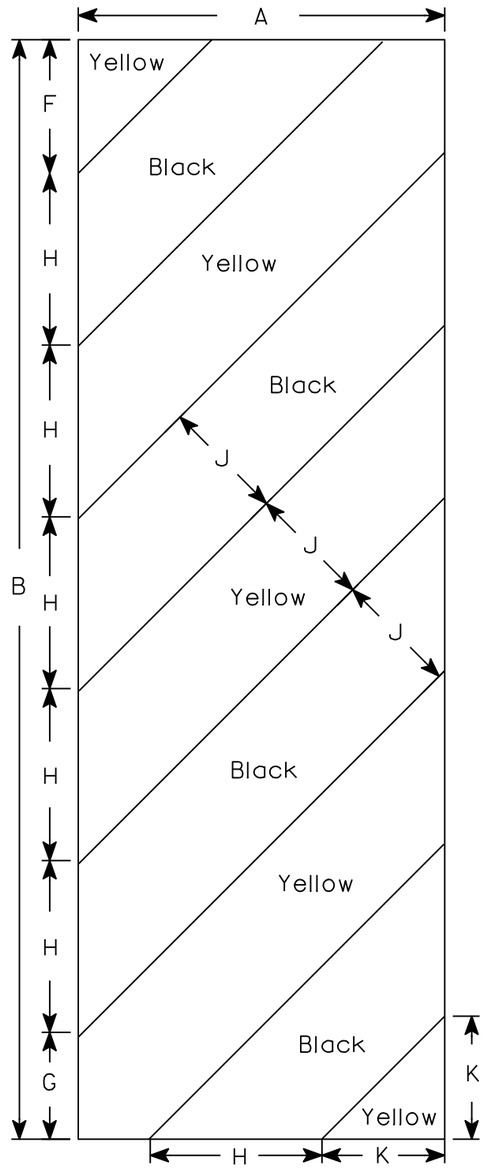
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 847	E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

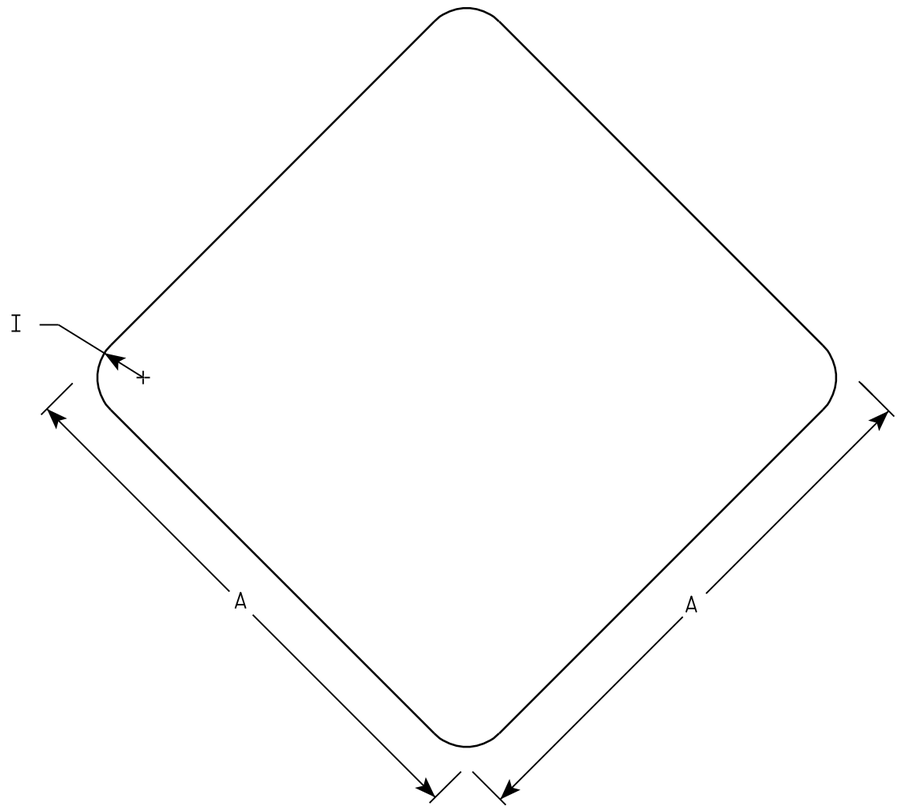
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 848	E



W5-54

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

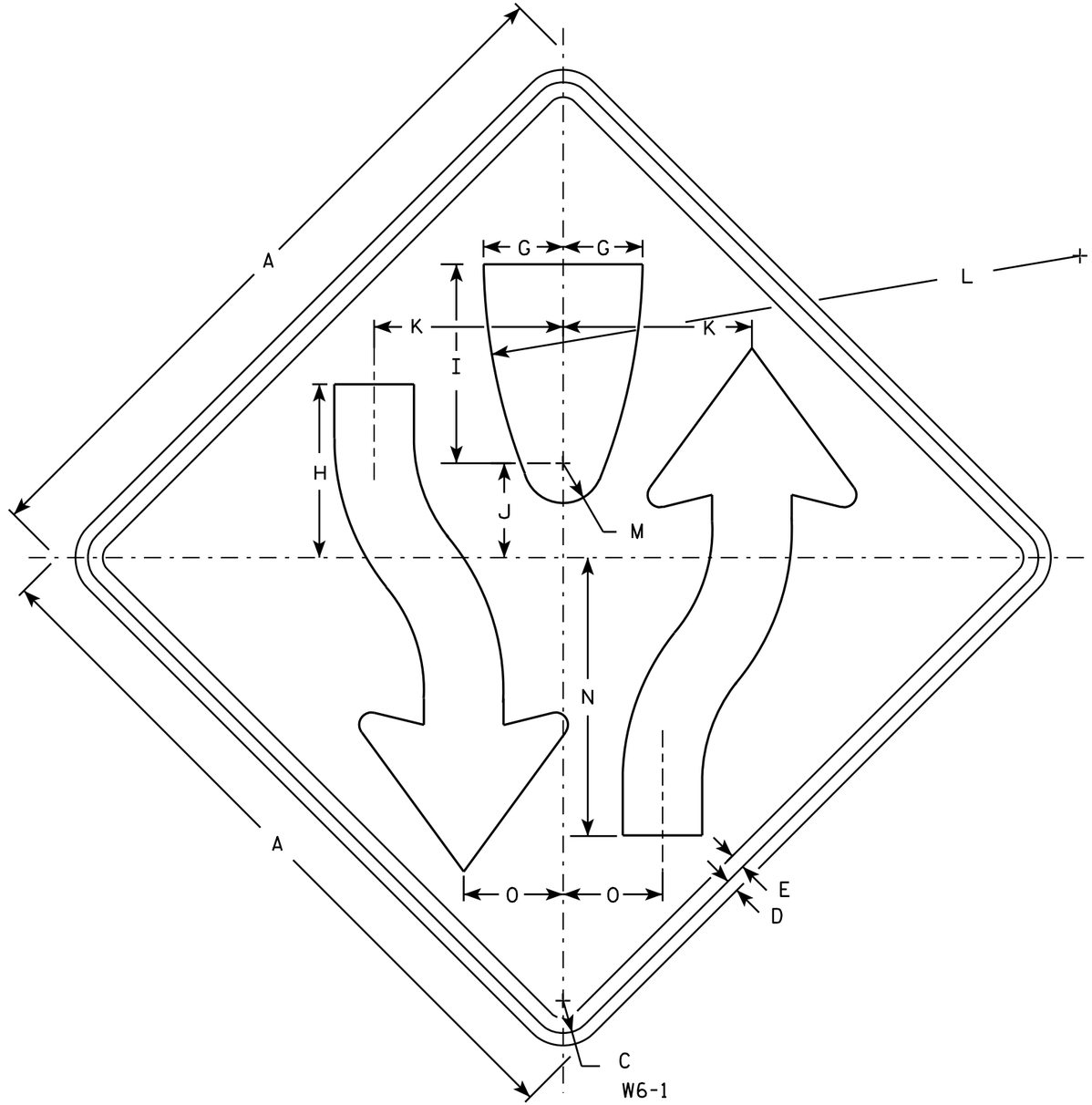
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

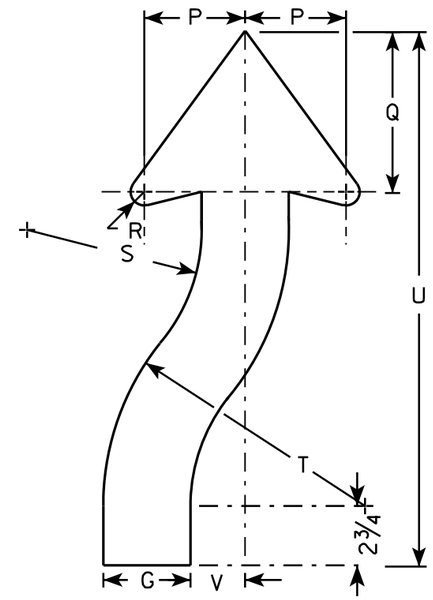
DATE 11/3/10 PLATE NO. W5-54.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 849 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W6-1 & W6-2

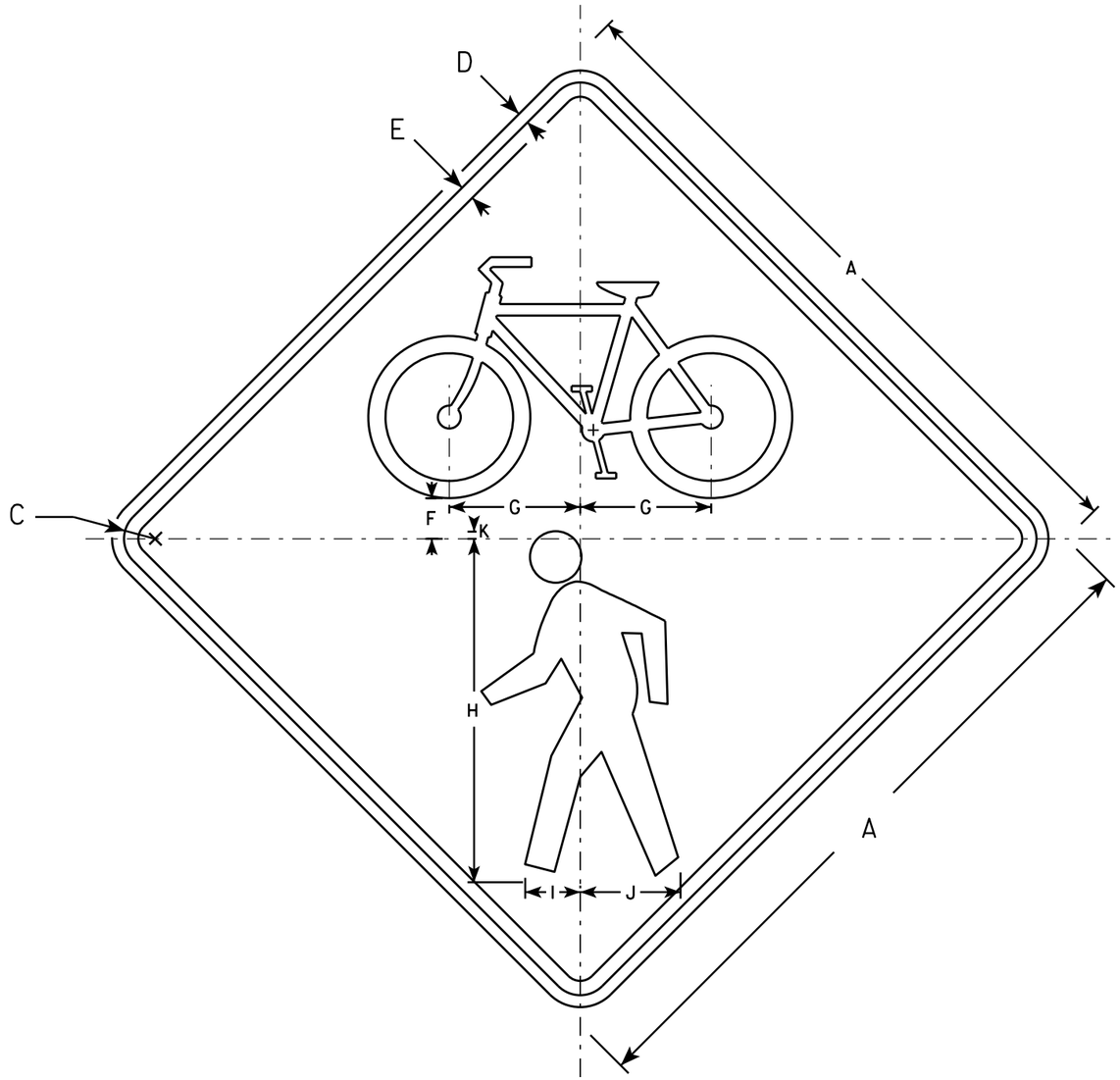
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 850	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W11-15

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

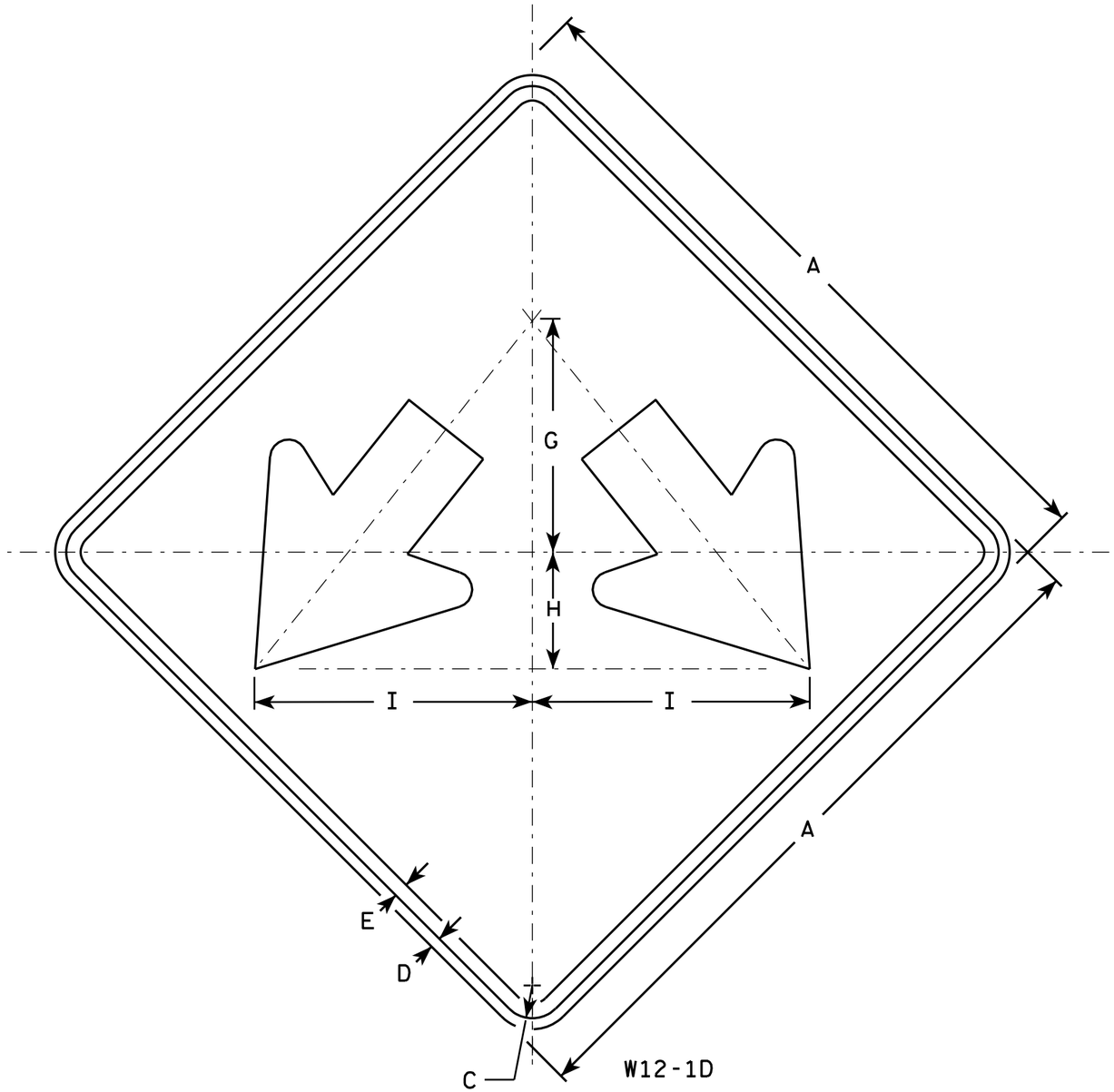
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/14 PLATE NO. W11-15.4

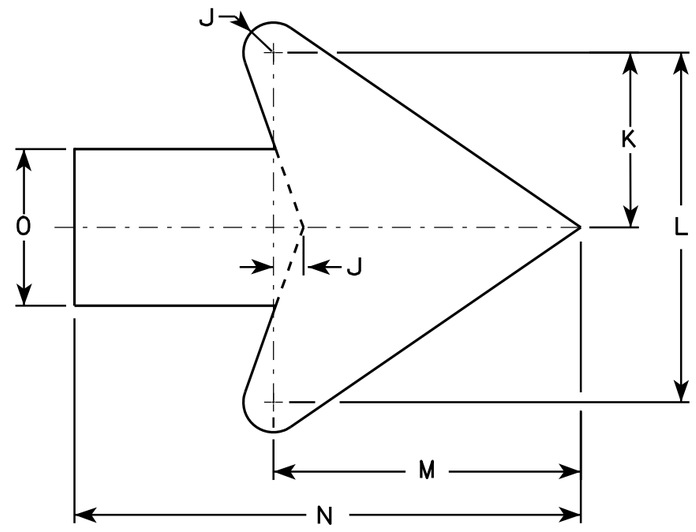
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W1115.DGN PLOT DATE : 13-FEB-2014 10:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000
WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

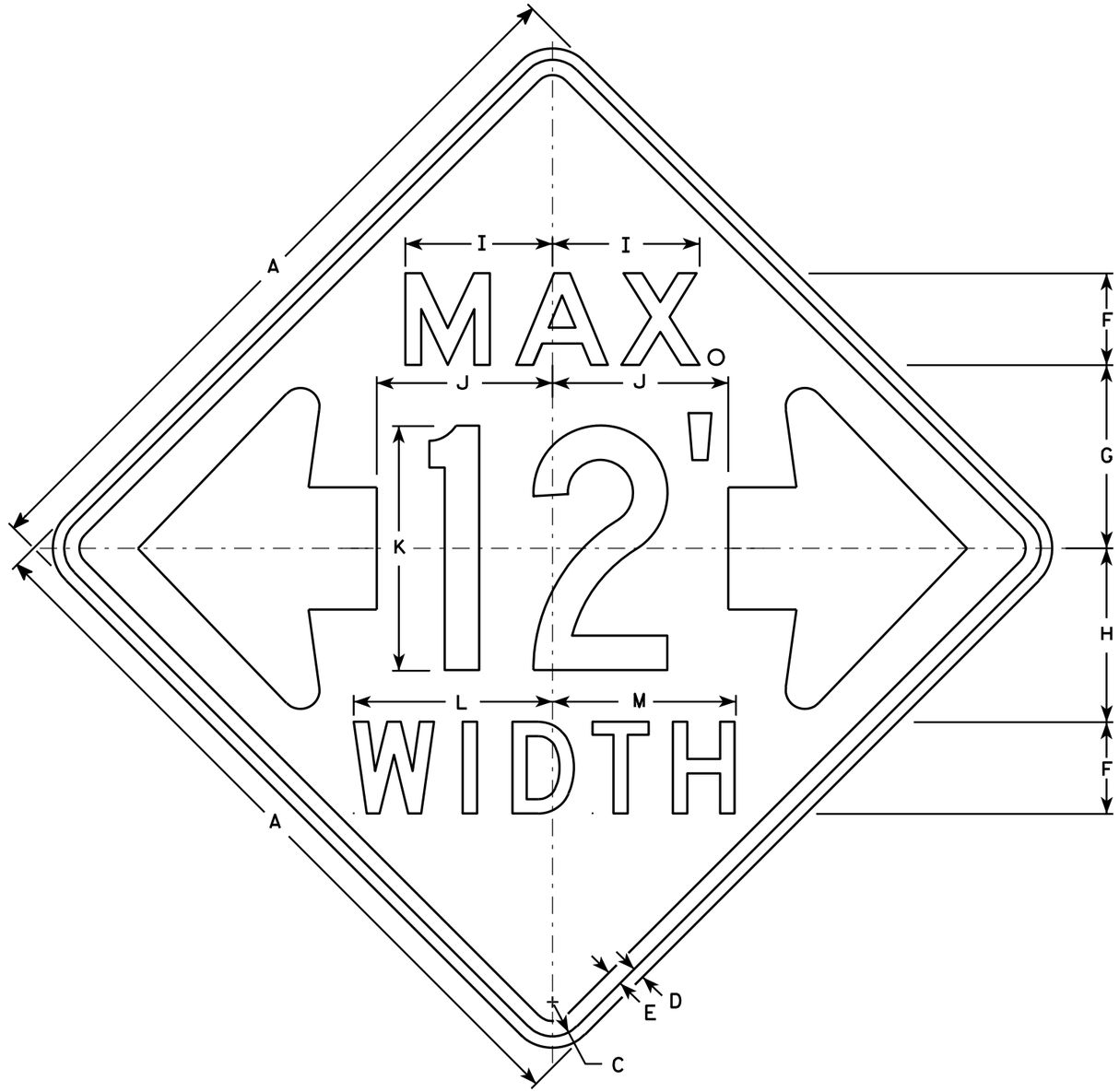
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

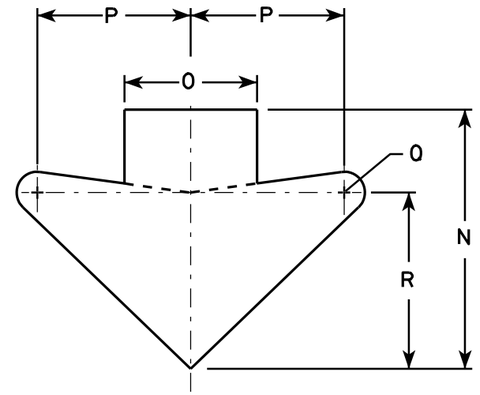
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 852	E



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

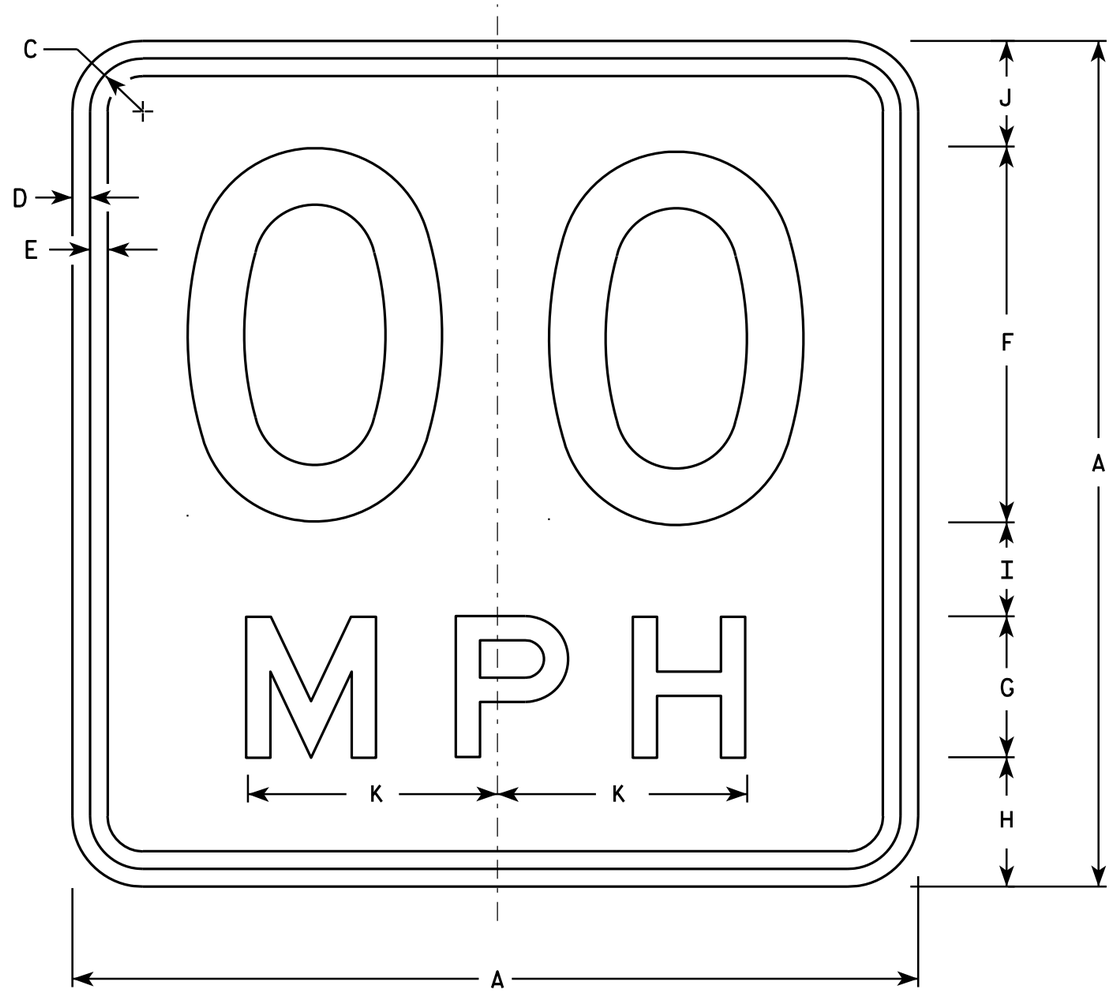
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 853	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000

WISDOT/CADDS SHEET 42

7

7



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

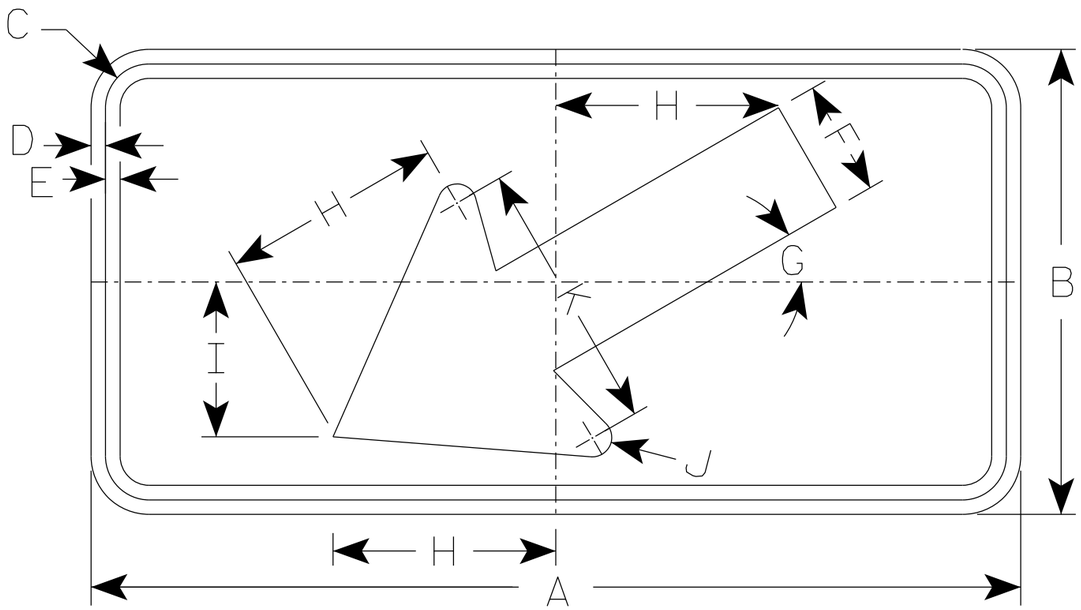
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 854 | E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN
W16-7

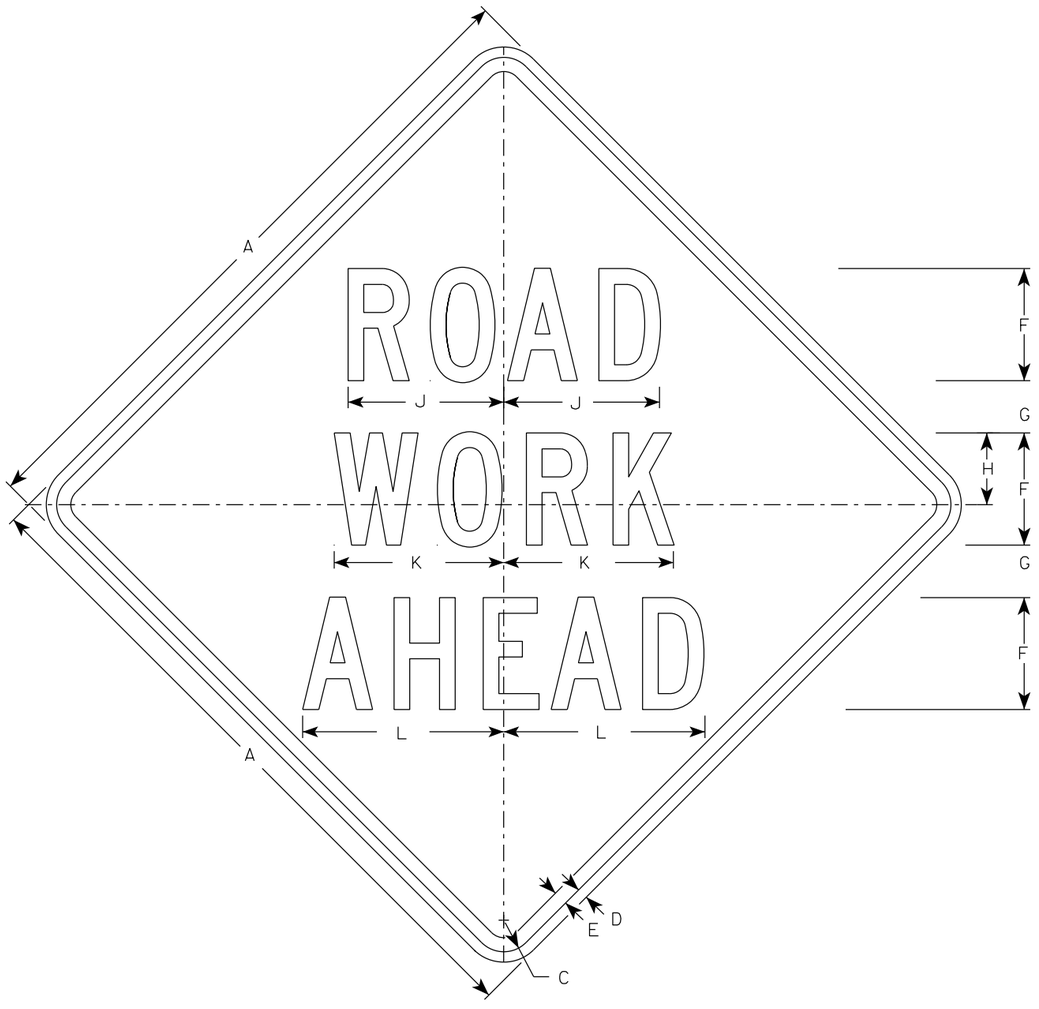
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

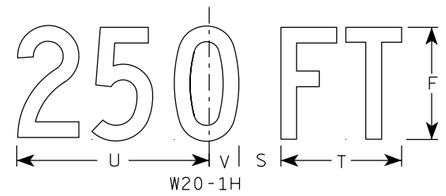
DATE 3/16/2021 PLATE NO. W16-7.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 855 E

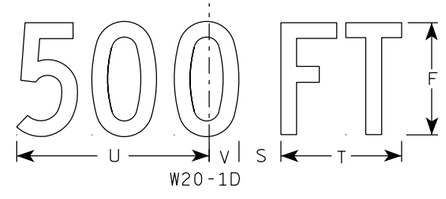
7



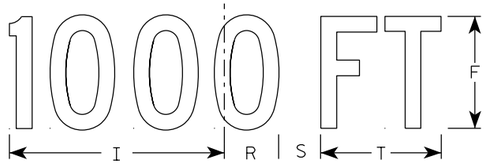
W20-1A



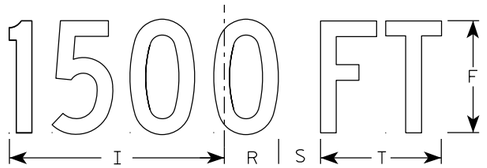
W20-1H



W20-1D



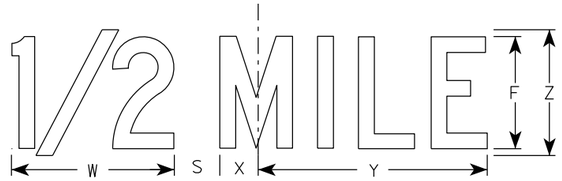
W20-1C



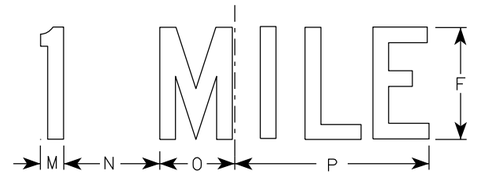
W20-1B

NOTES

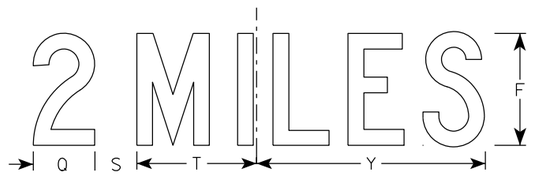
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

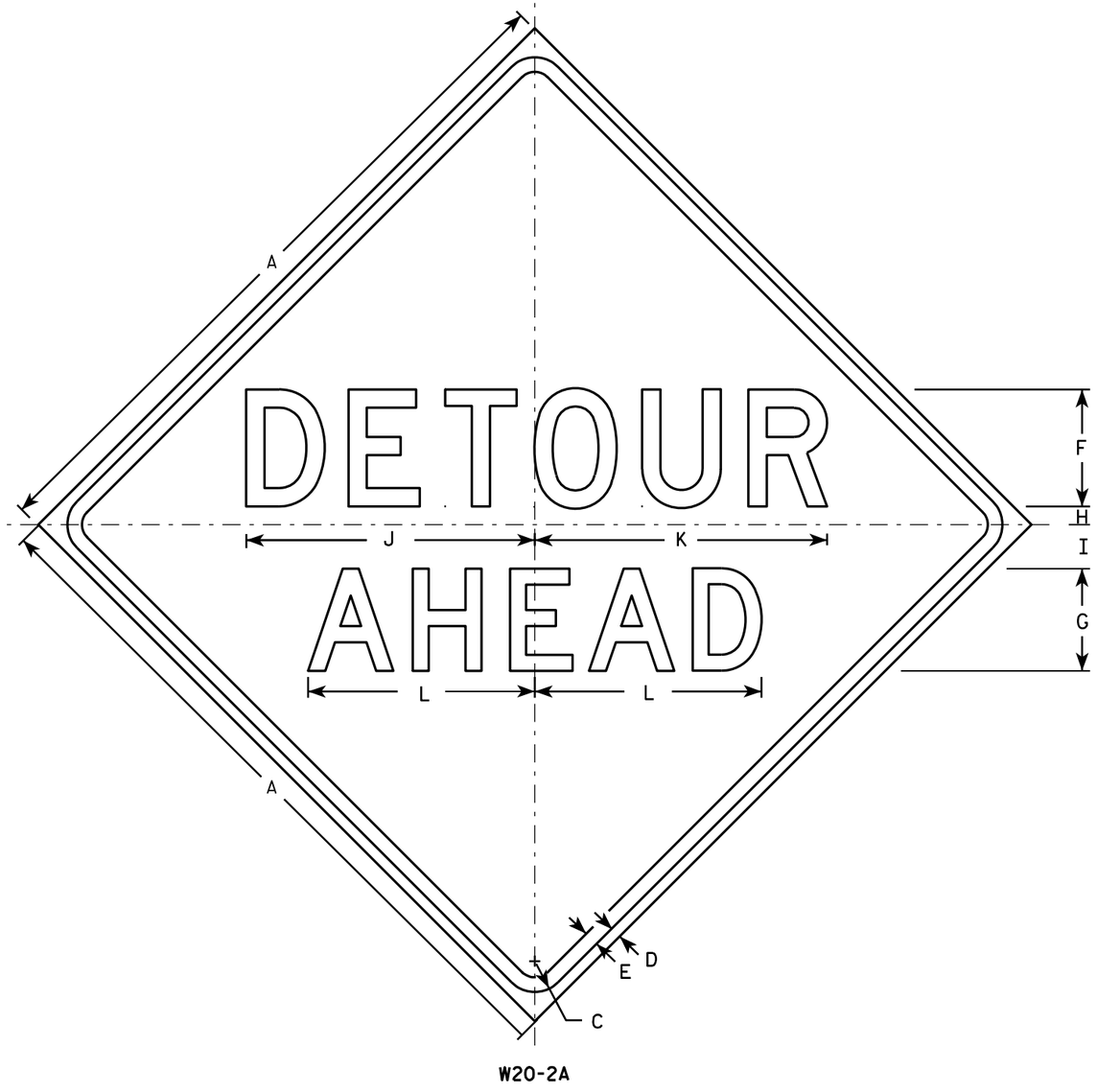
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

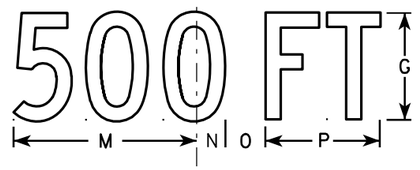
WISDOT/CADDS SHEET 42

7

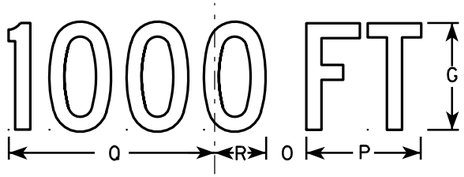
7



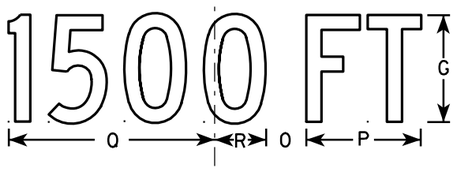
W20-2A



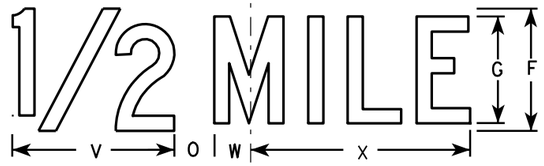
W20-2D



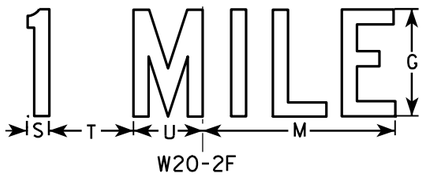
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

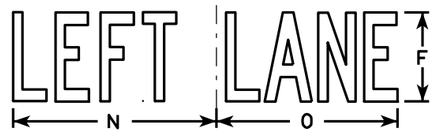
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

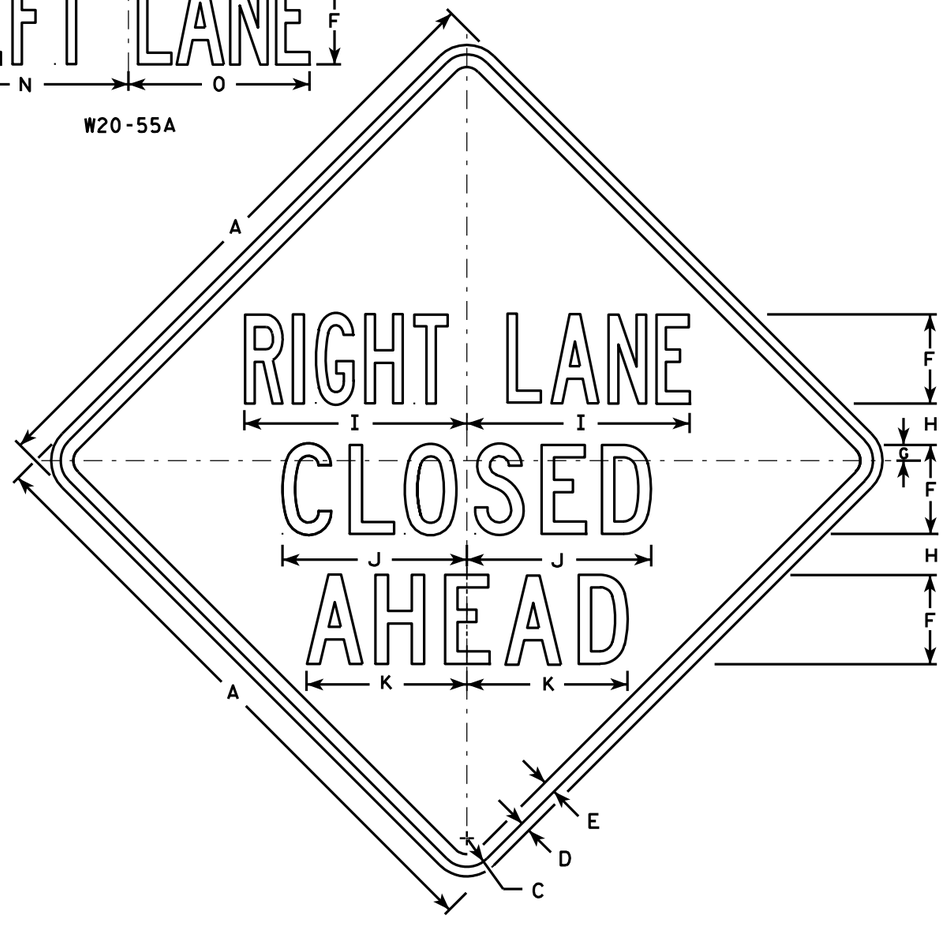
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 857	E



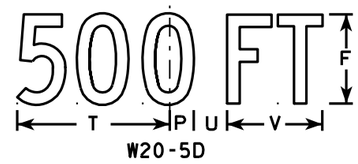
W20-56A



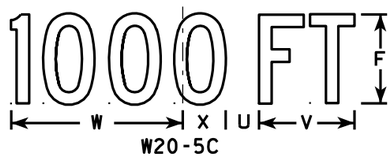
W20-55A



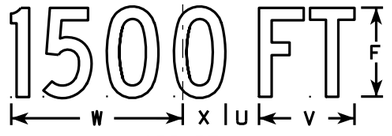
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

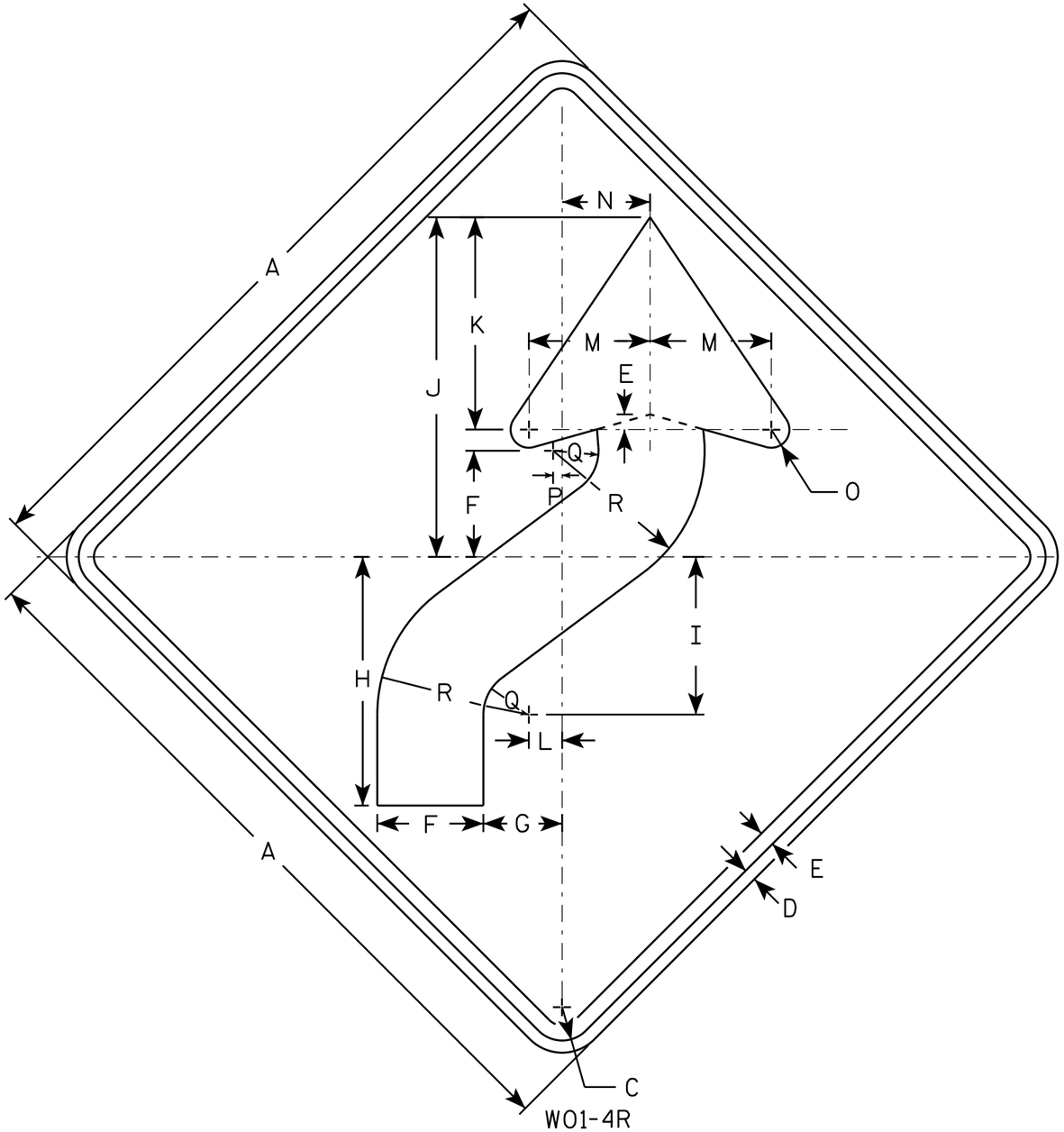
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 858	E

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FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

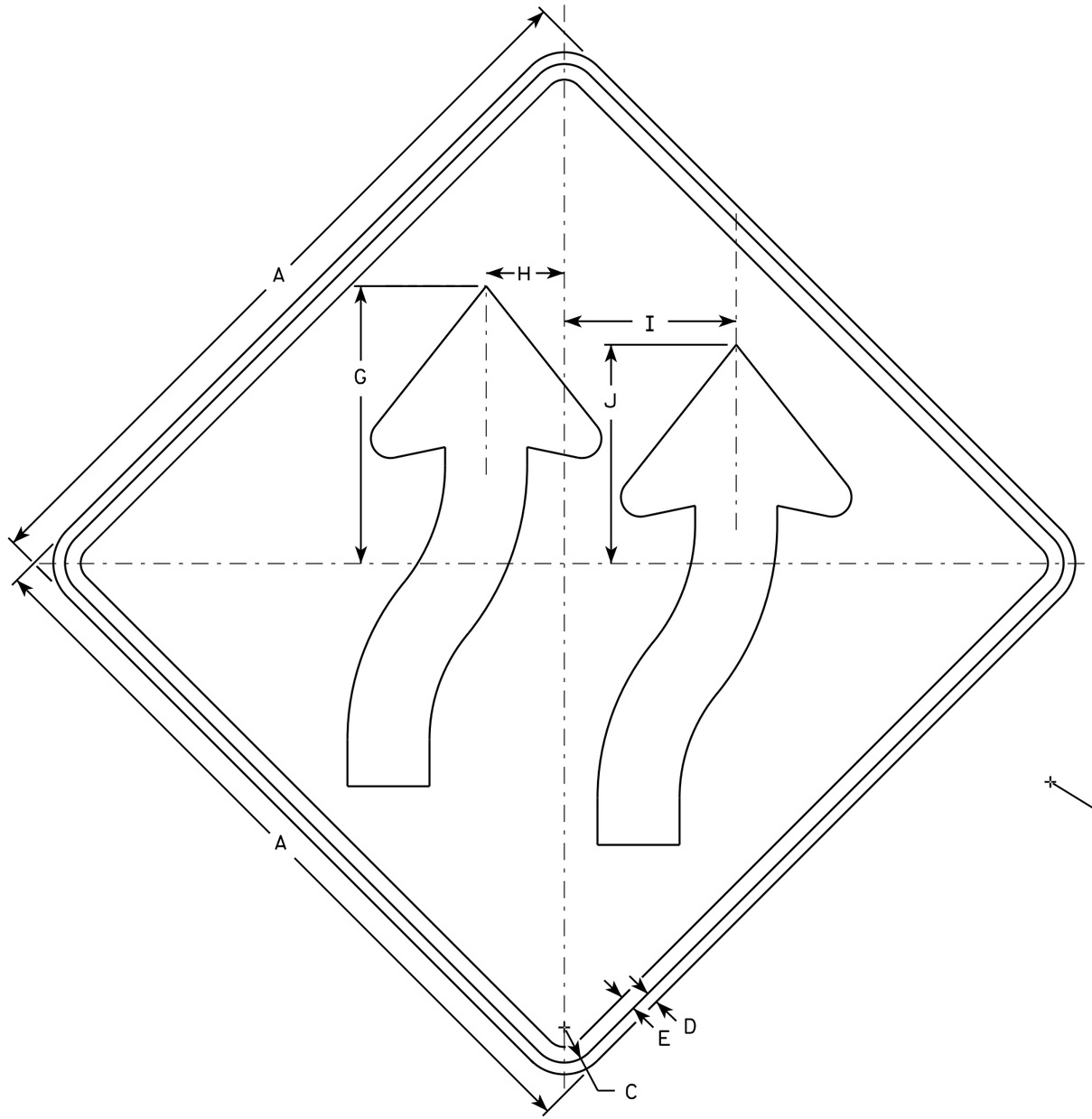
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

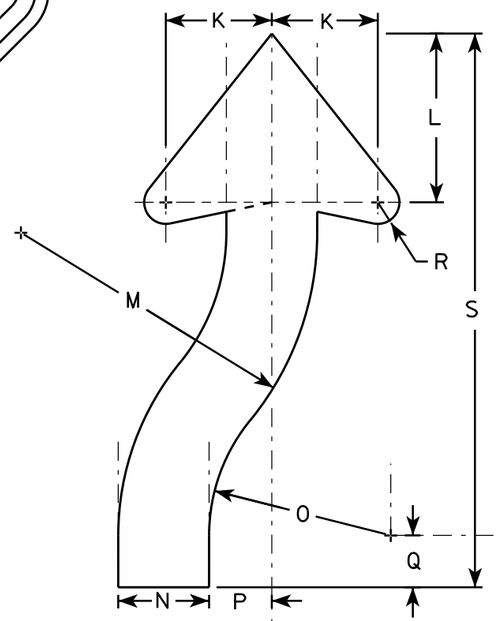
DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000 WISDOT/CADDS SHEET 42



W01-4bR



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4bL is the same as W014-bR exept arrows are reversed along the vertical centerline

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

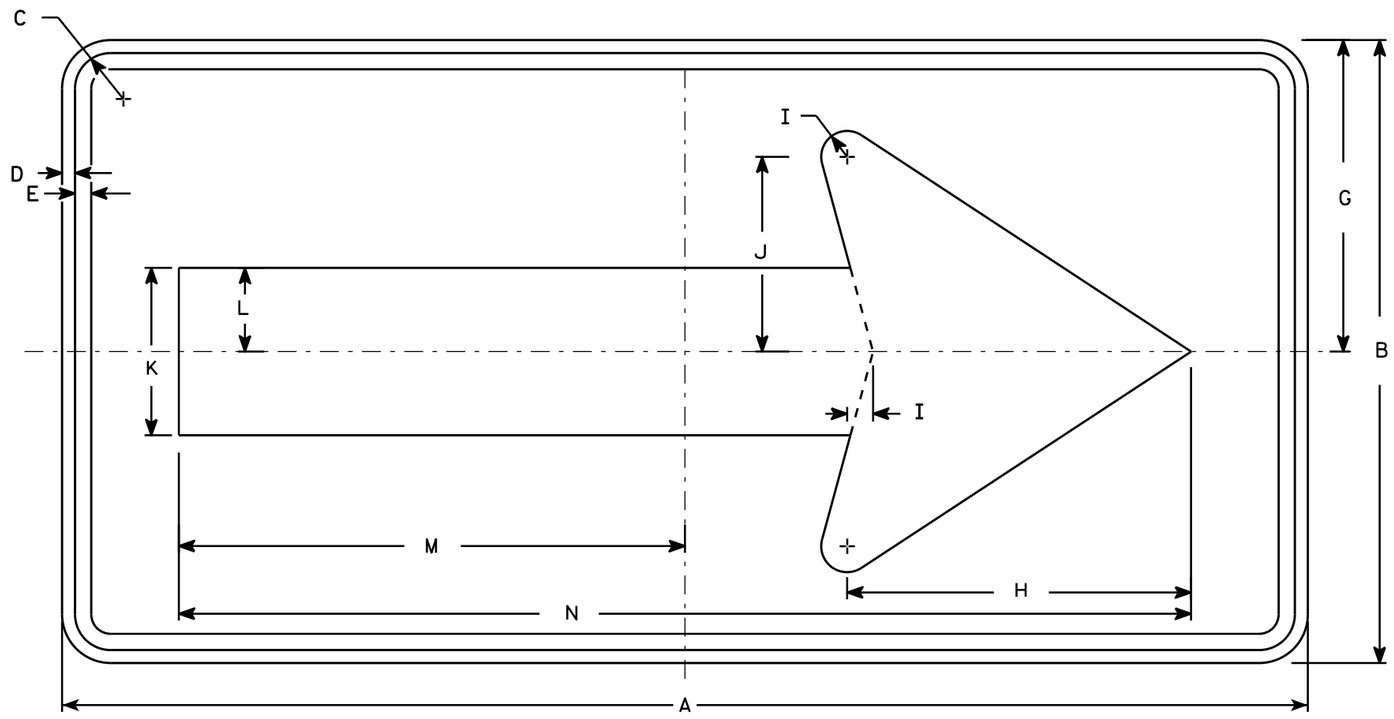
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

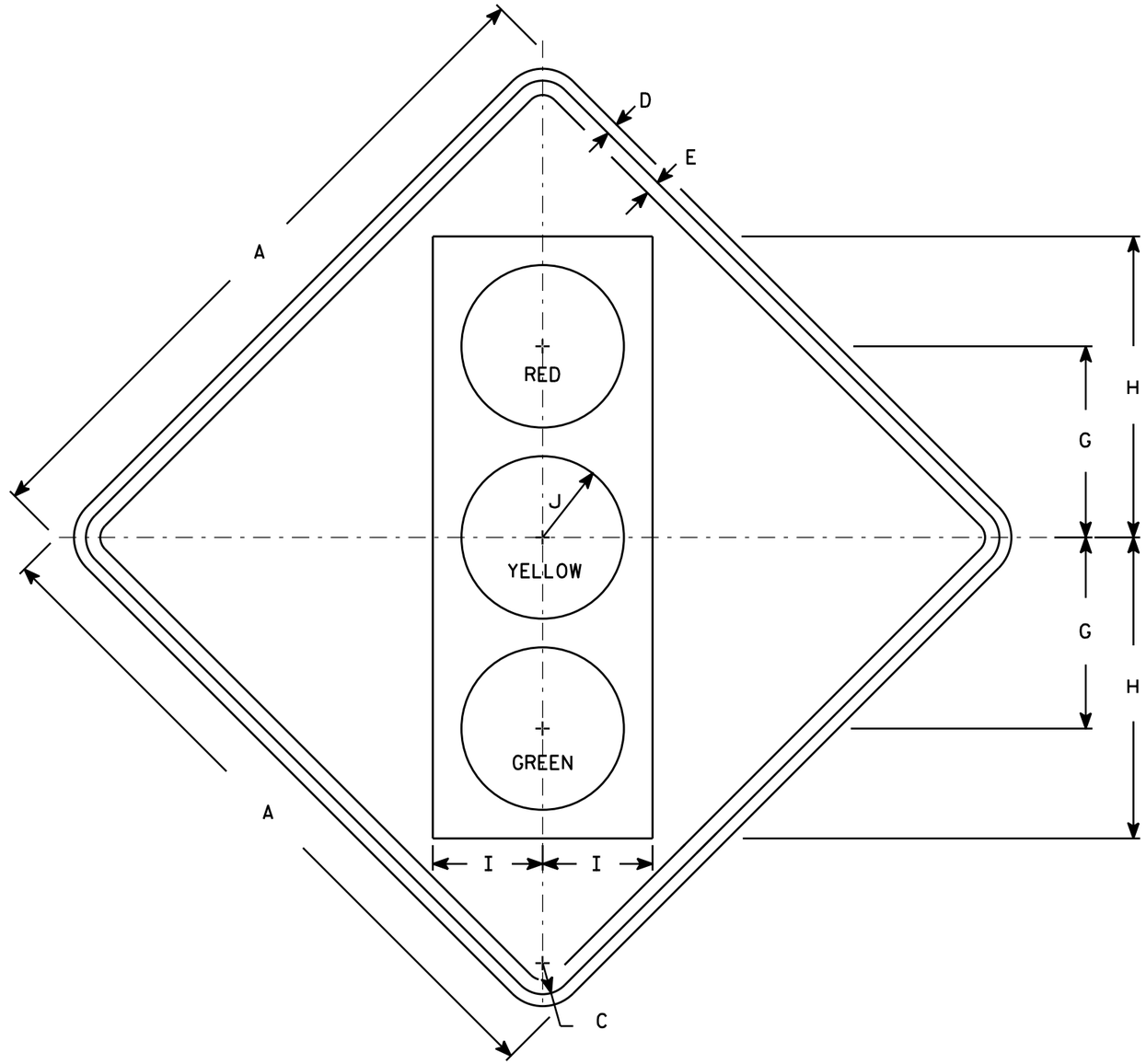
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W03-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2S	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
2M	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
3	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W03-3

WISCONSIN DEPT OF TRANSPORTATION

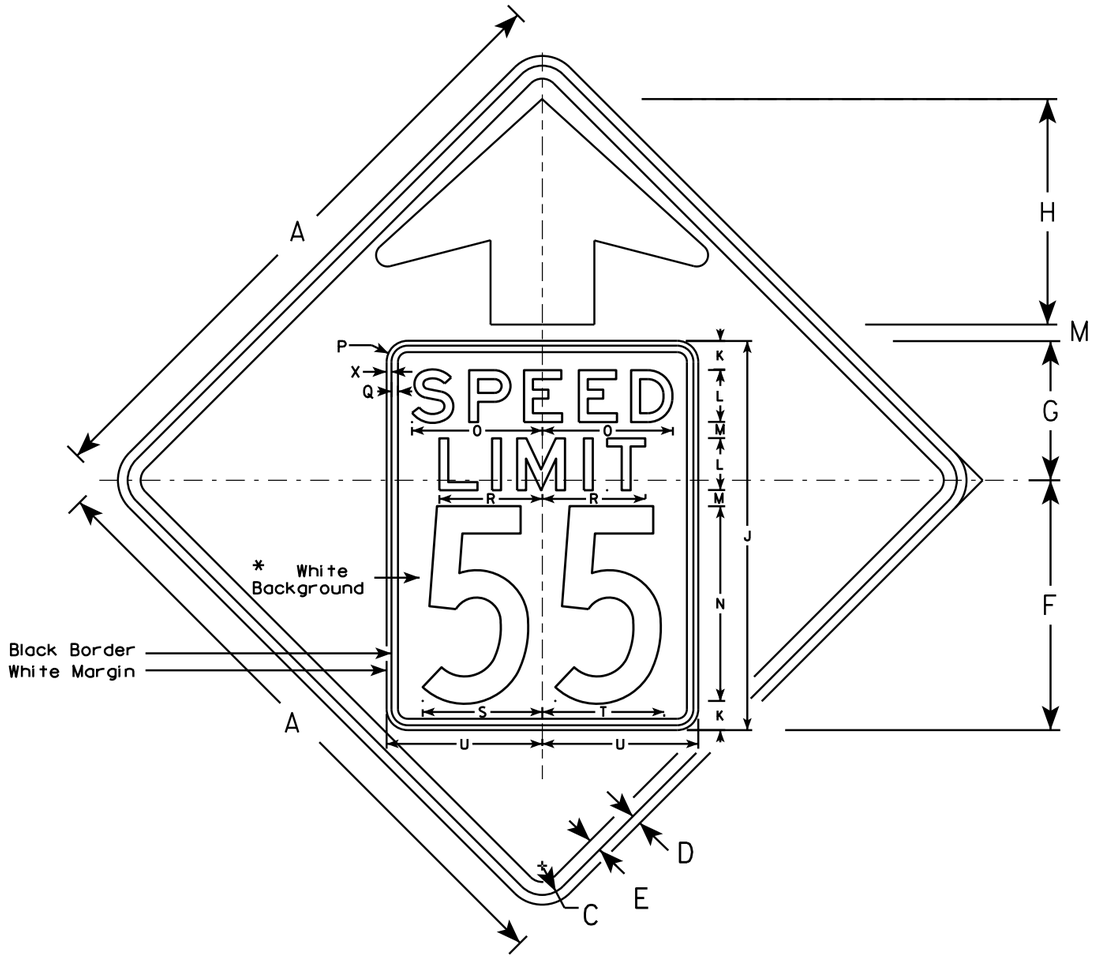
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLAT 862 W03-3.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W033.DGN PLOT DATE : 20-NOV-2013 11:26 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.296908:1.000000

7

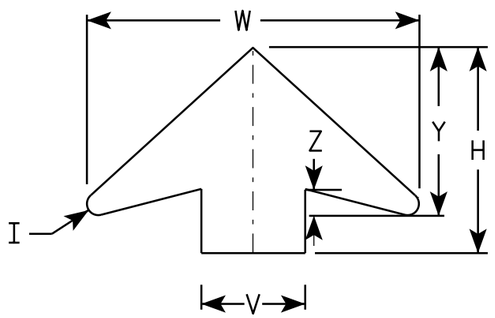


W03-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - ORANGE*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2S	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
2M	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
3	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W03-5

WISCONSIN DEPT OF TRANSPORTATION

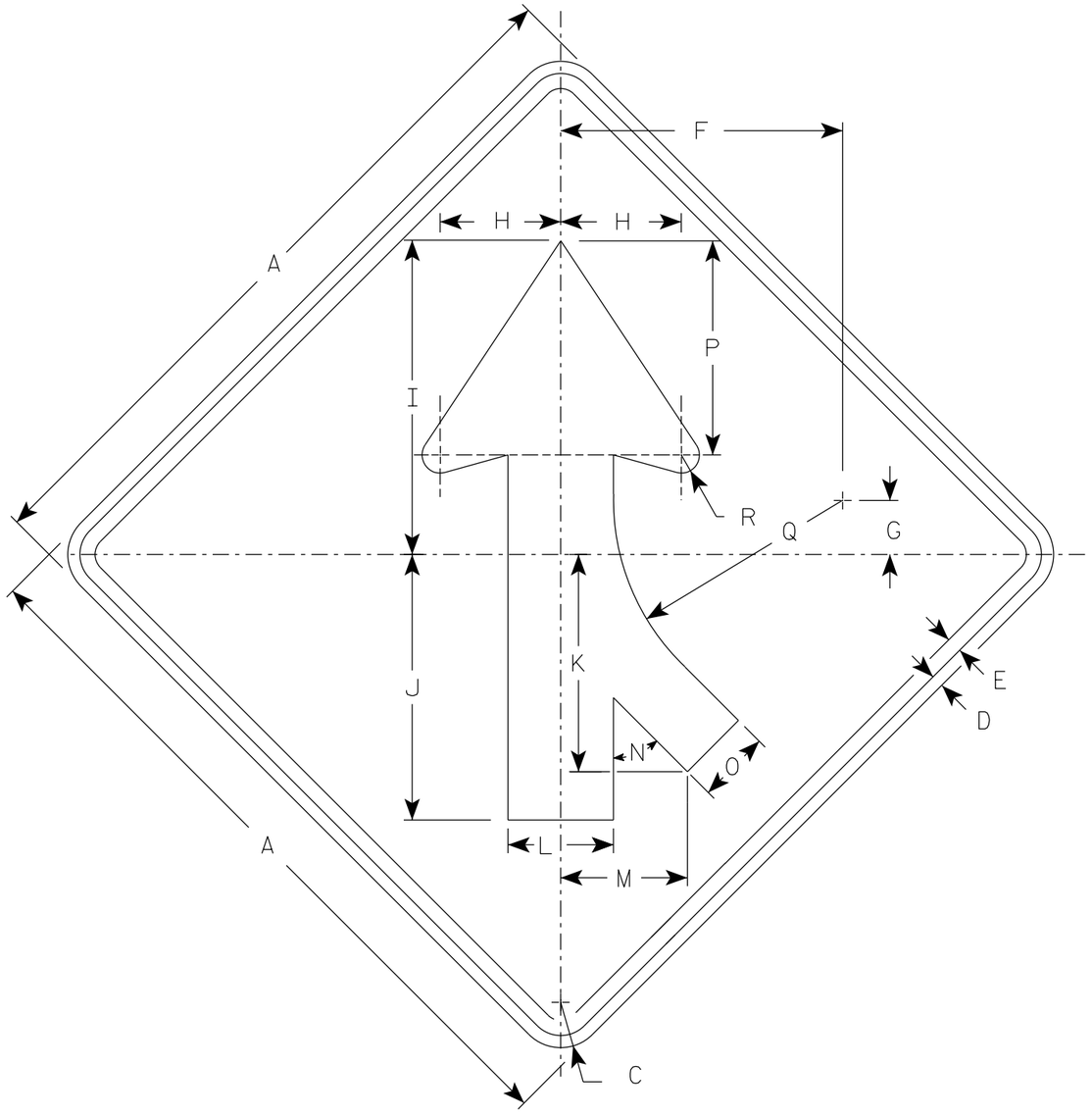
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W03-5.1

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN PLOT DATE : 20-NOV-2013 11:32 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



W04-1R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-1L is the same as W04-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

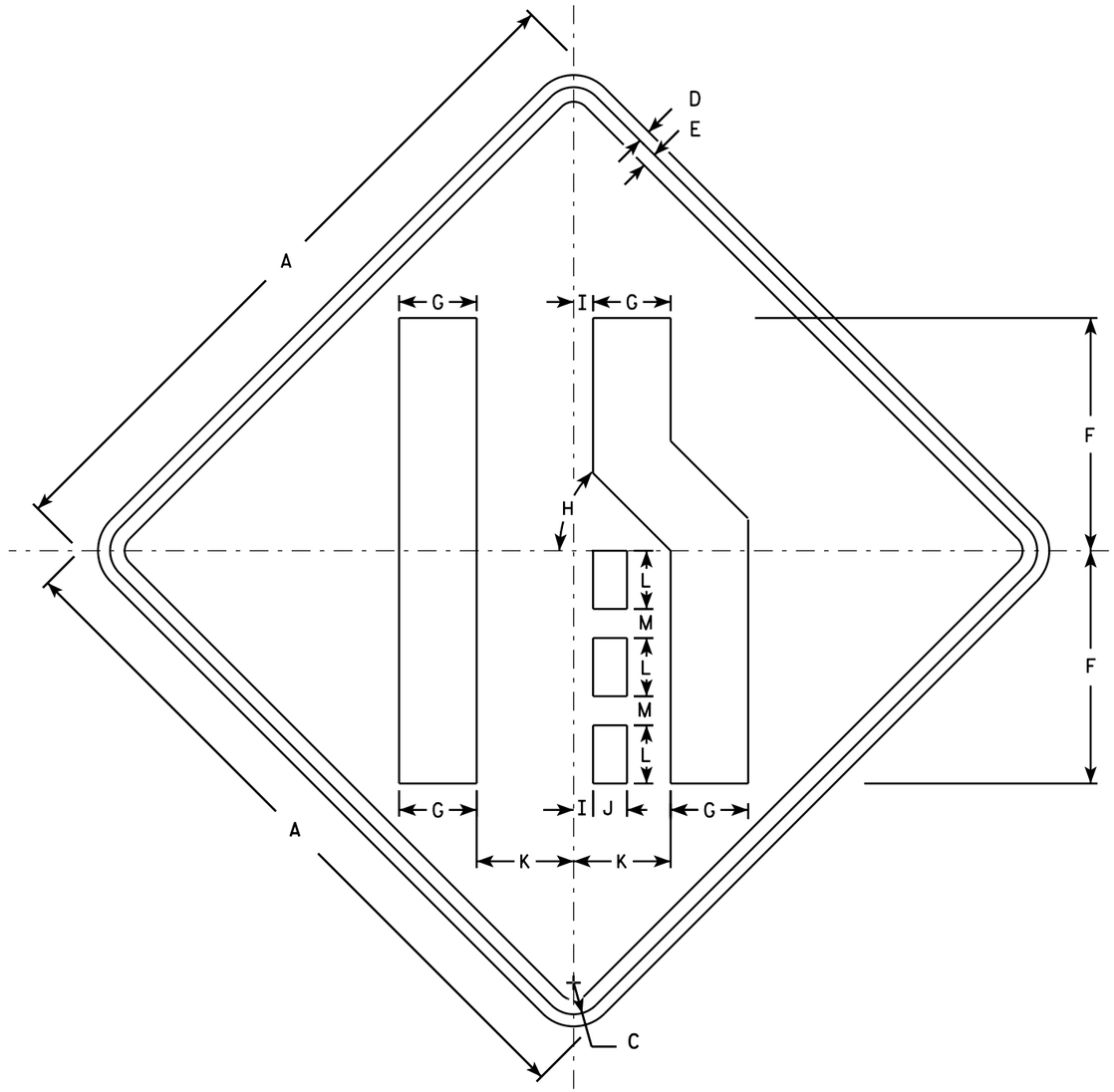
STANDARD SIGN
W04-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. W04-1.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

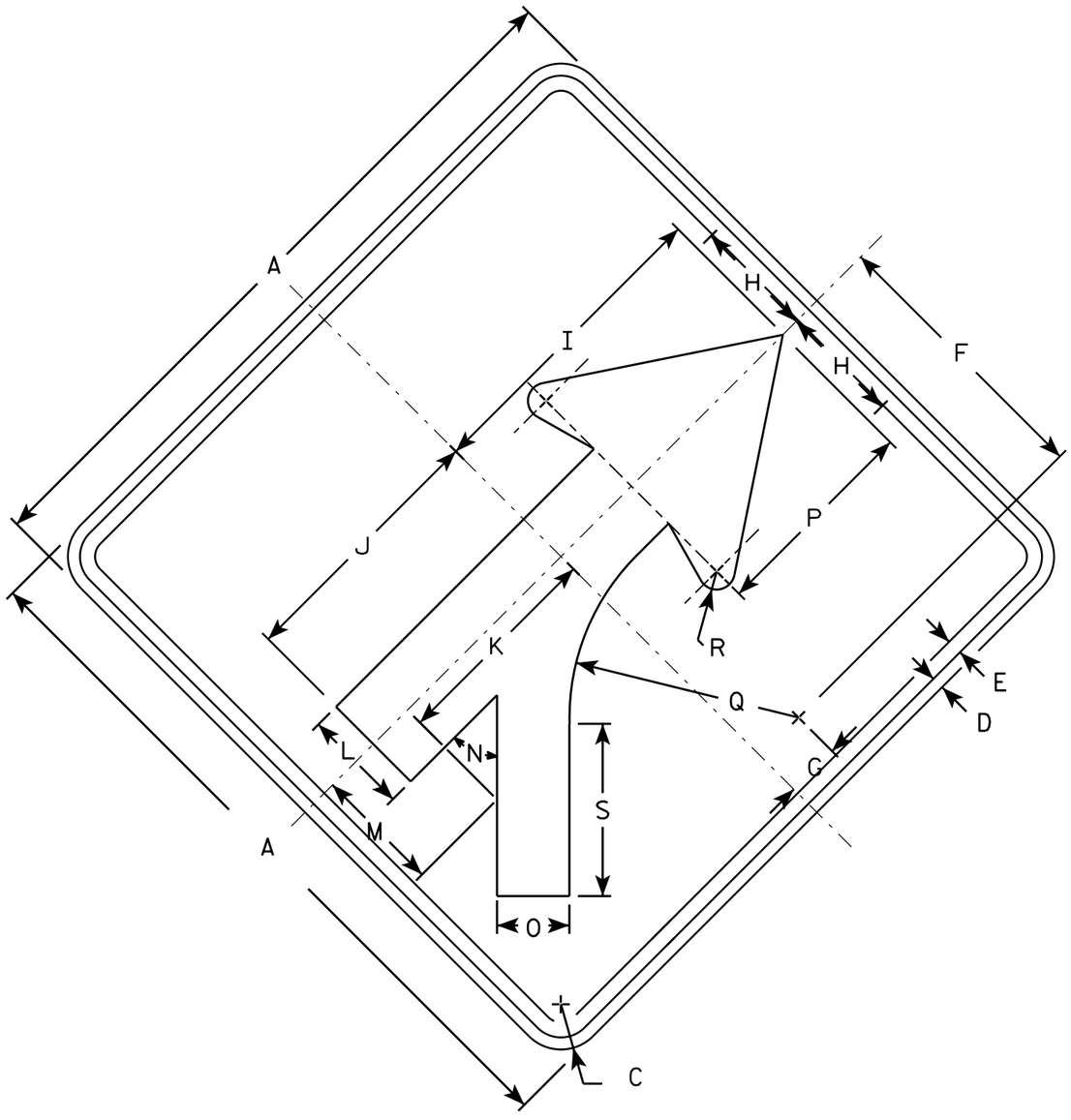
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 865 W04-2.1

PROJECT NO: | SHEET NO: E



W04-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8	8 1/2								9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0

STANDARD SIGN
W04-5

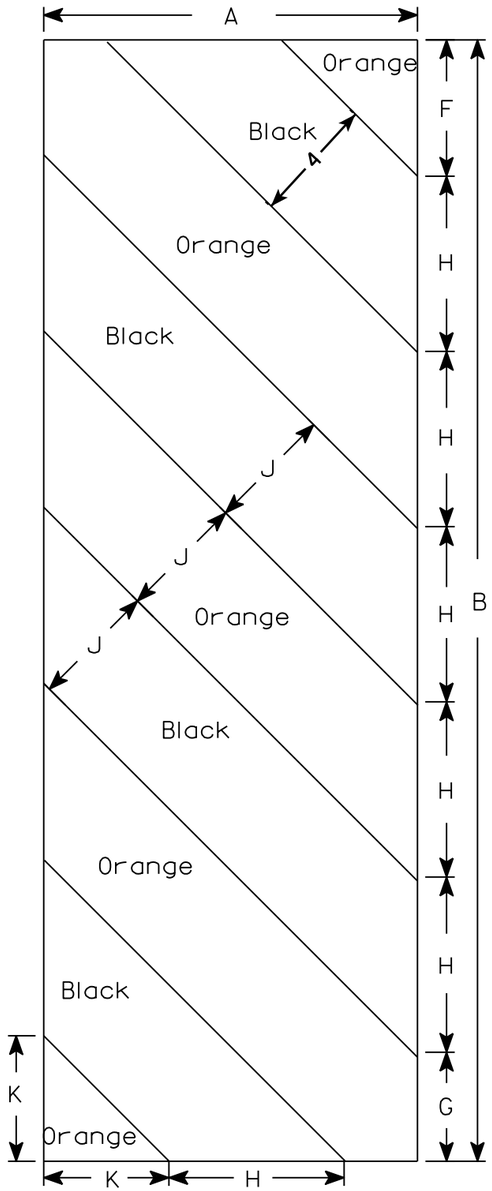
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

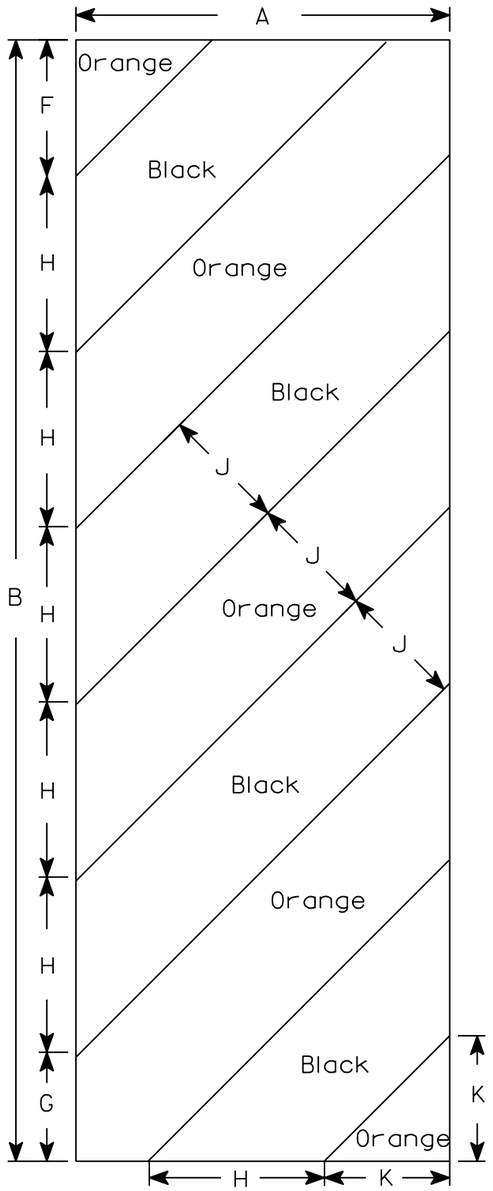
DATE 4/28/16 PLATE NO W04-5.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W045.DGN PLOT DATE : 28-APR-2016 13:30 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.080757:1.000000
WISDOT/CADDS SHEET 42



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

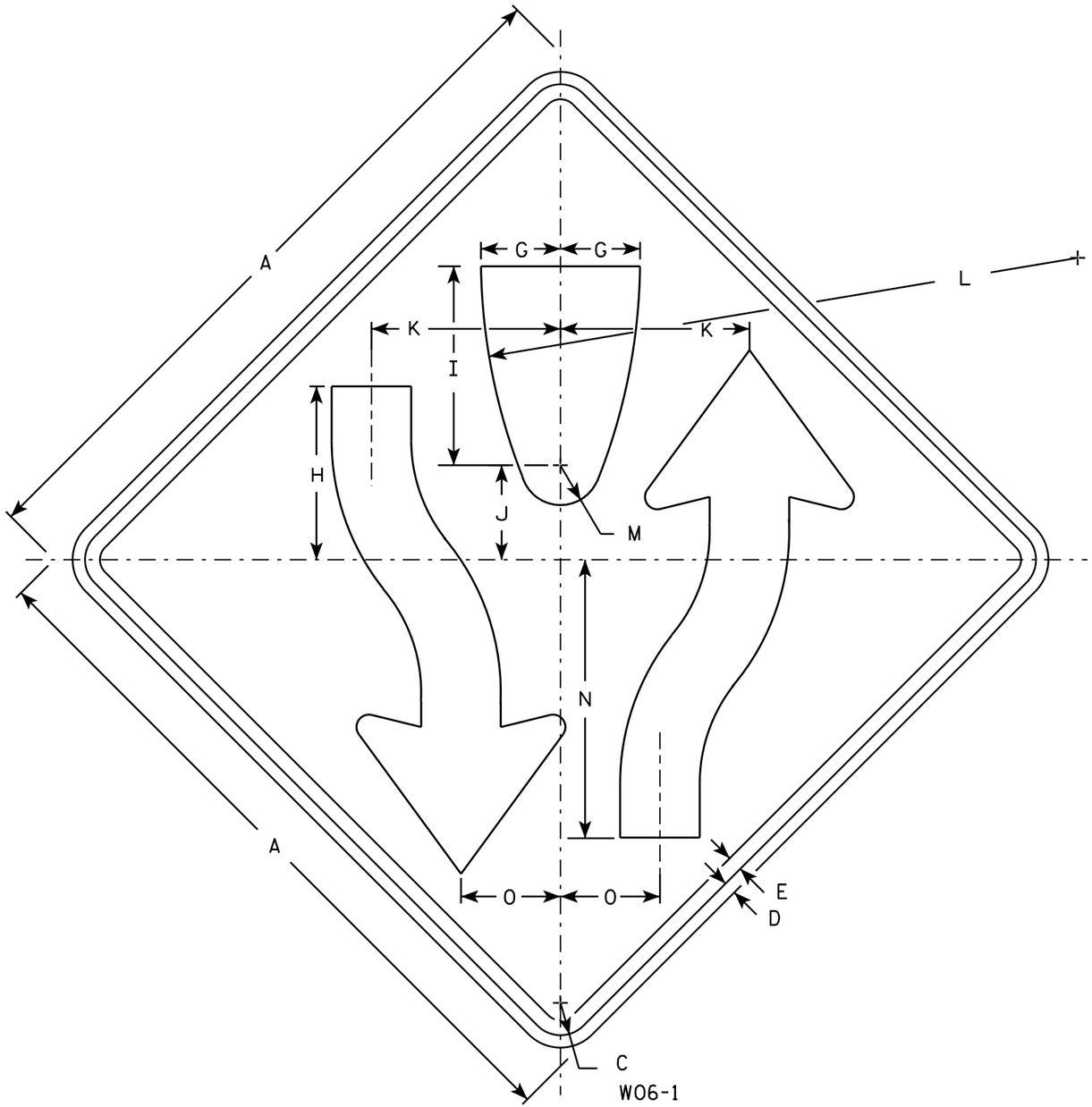
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE No. W05-52.1

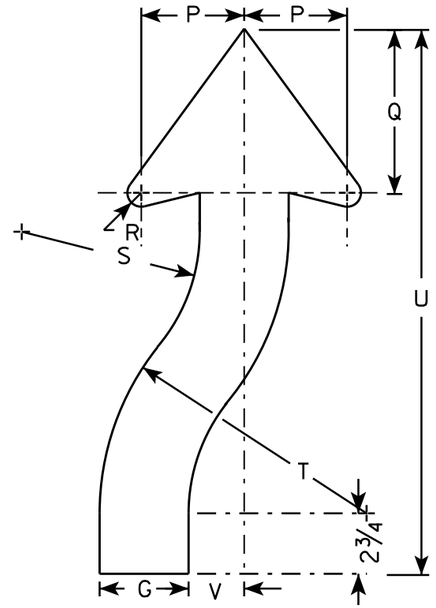
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W06-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W06-2 same as W06-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2S	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
2M	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
3	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W06-1 & W06-2

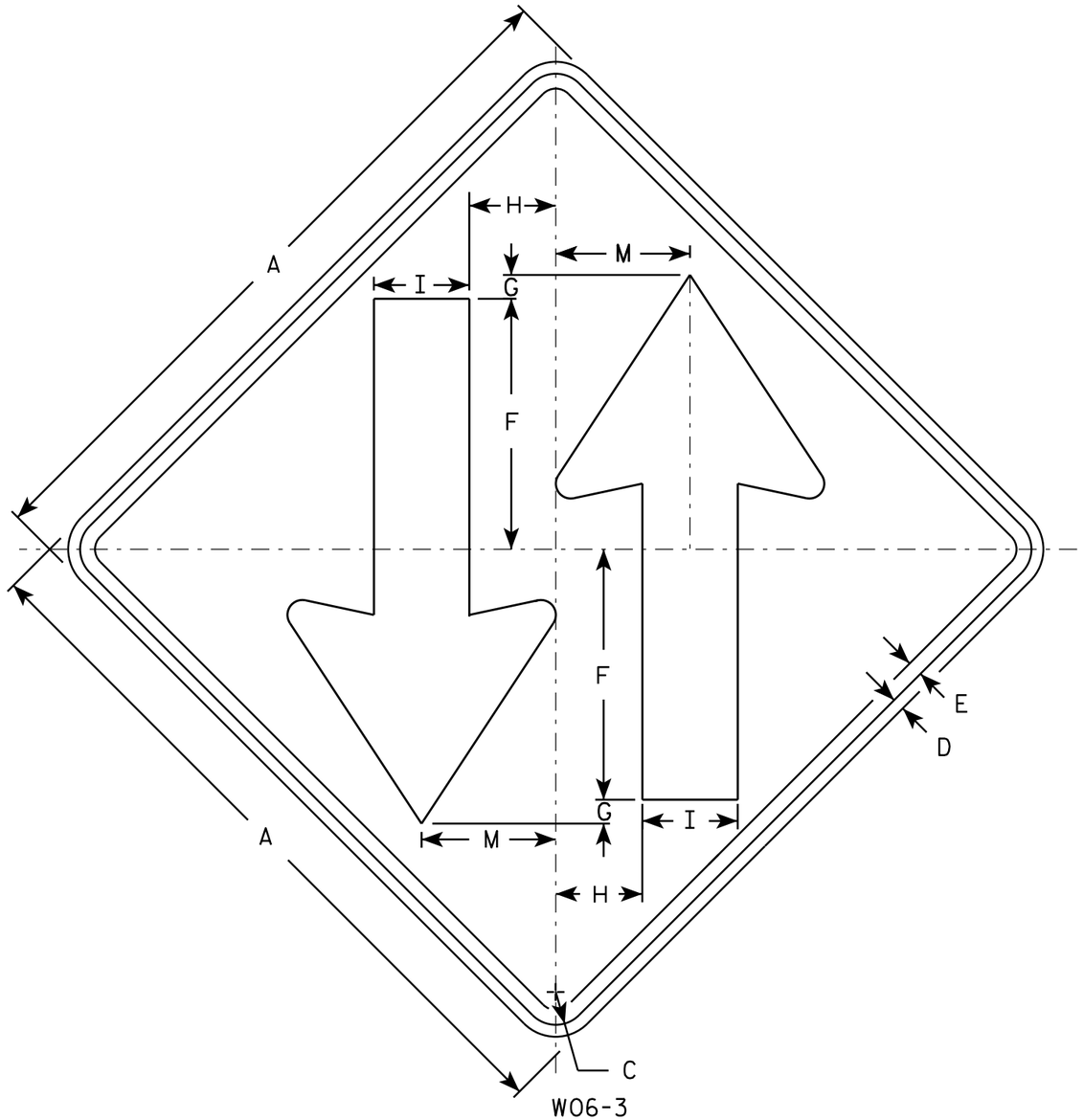
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO W06-1.1

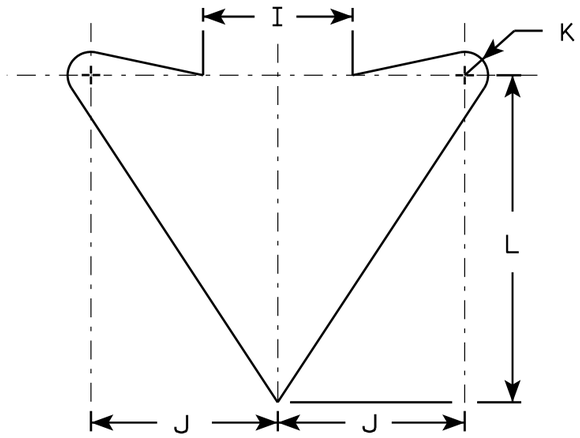
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W061.DGN PLOT DATE : 20-NOV-2013 12:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.810449:1.000000
WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

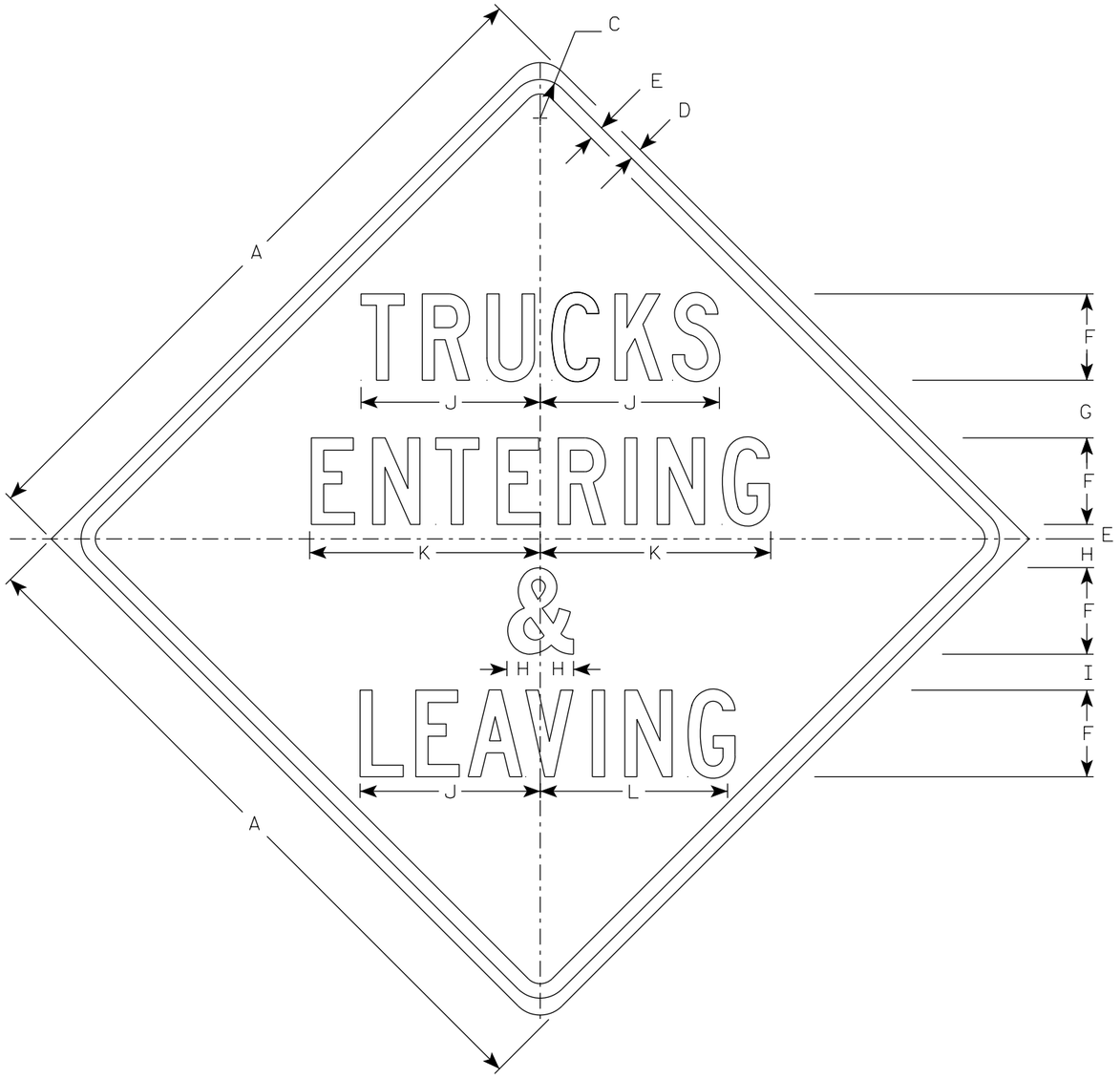
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 869 W06-3.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W08-6A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	4 1/2	3	1 1/2	1 7/8	9 3/8	12	9 3/4															9
2S	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
2M	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
3	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
4	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
5	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16

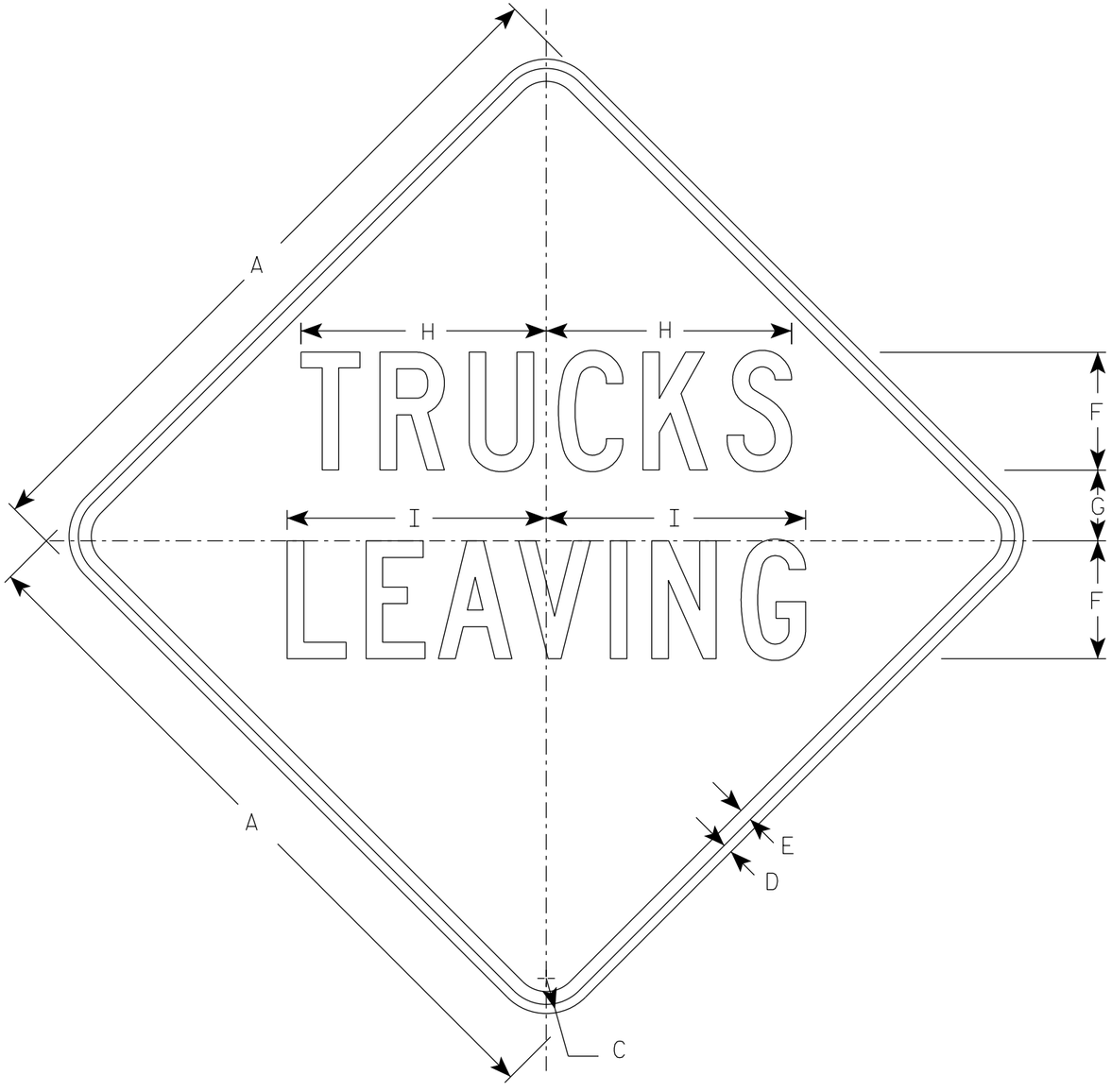
STANDARD SIGN
W08-6A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/15/2020 PLATE NO. W08-6A.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 870 E



W08-6C

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 5/8	12 1/2	13 1/4																		9.0
2S	48		2 1/4	3/4	1	8	5	16 5/8	17 5/8																		16.0
2M	48		2 1/4	3/4	1	8	5	16 5/8	17 5/8																		16.0
3	48		2 1/4	3/4	1	8	5	16 5/8	17 5/8																		16.0
4	48		2 1/4	3/4	1	8	5	16 5/8	17 5/8																		16.0
5	48		2 1/4	3/4	1	8	5	16 5/8	17 5/8																		16.0

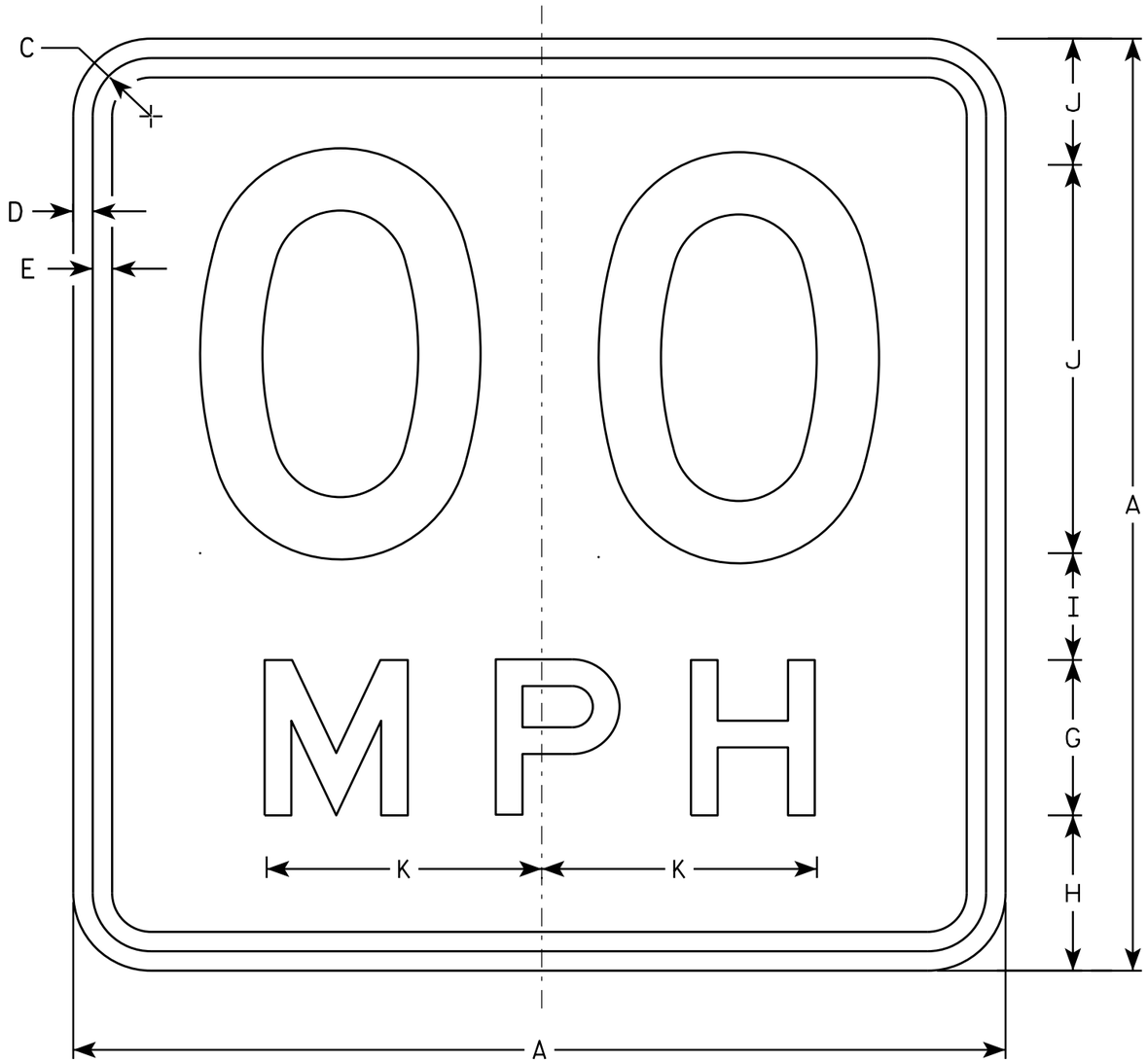
STANDARD SIGN
W08-6C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/15/2020 PLATE NO. W08-6C.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 871 E



W013-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

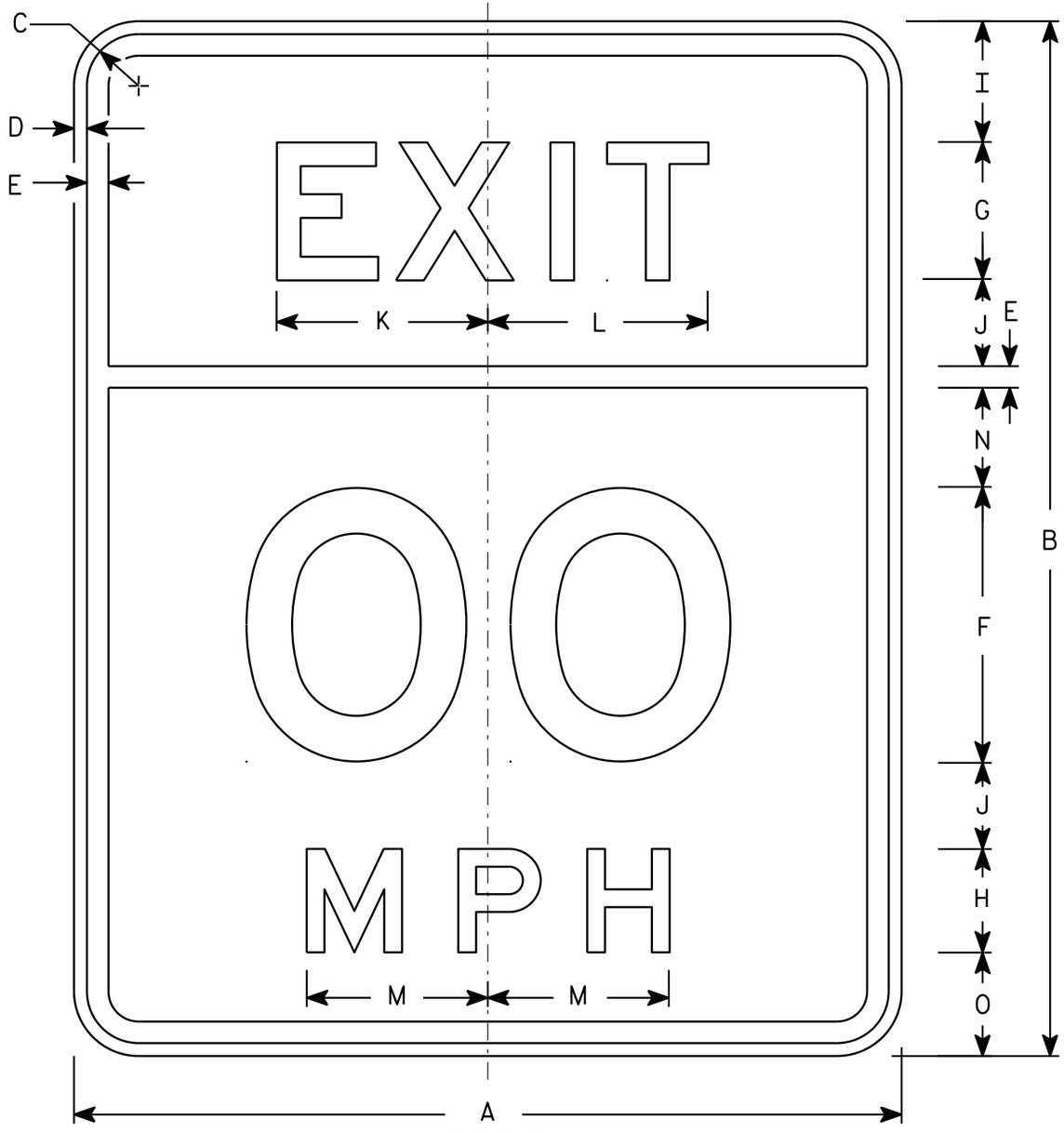
STANDARD SIGN
W013-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 872 W013-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W013-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0
2M	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0
3	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0
4	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0
5	48	60	2 1/4	3/4	1	16	8	6	7	5	12 1/4	12 3/4	10 5/8	5 3/4	6												20.0

STANDARD SIGN
W013-2

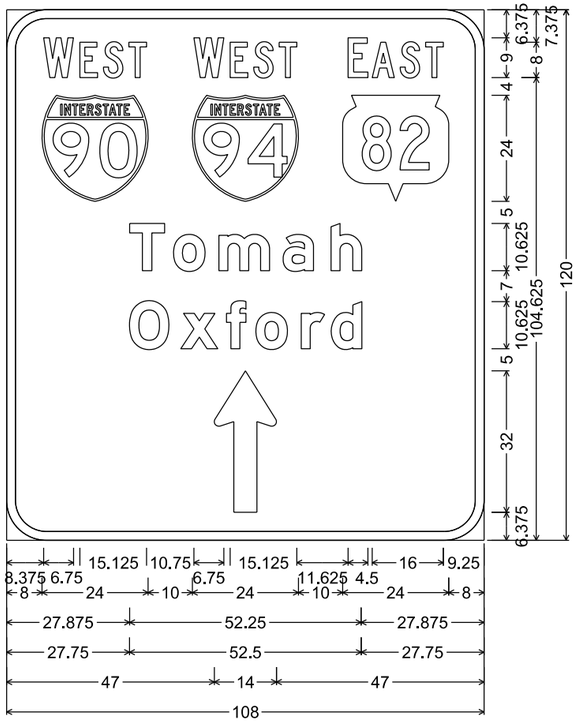
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

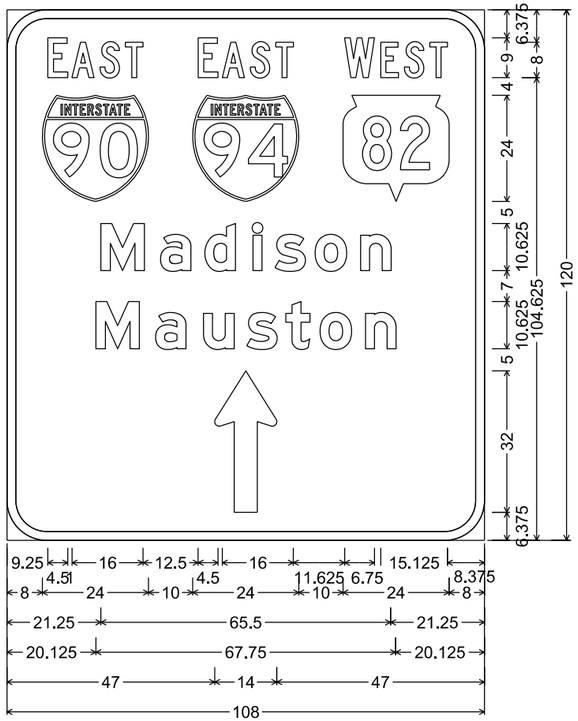
DATE 3/10/14 PLATE W013-2.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

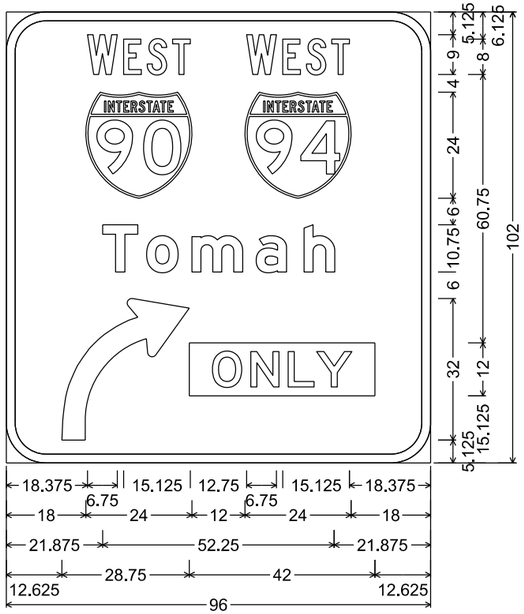
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WISDOT/CADDS SHEET 42



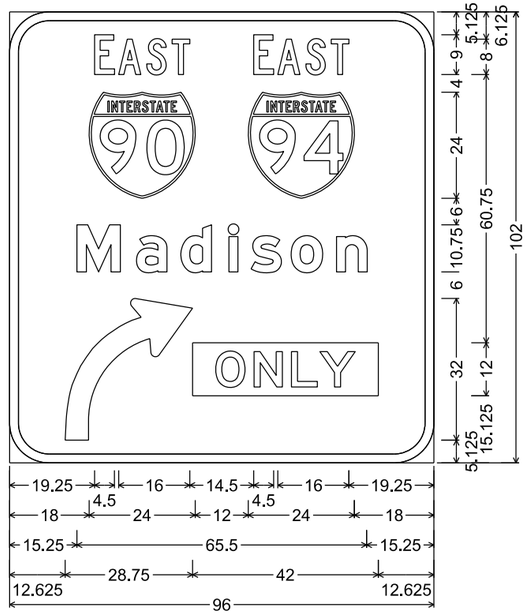
E6-54A; 9.000" Radius, 2.000" Border,
"WEST", C; "WEST", C; "EAST", C



E6-54A; 9.000" Radius, 2.000" Border,
"EAST", C; "EAST", C; "WEST", C



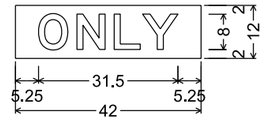
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"WEST", C; "WEST", C



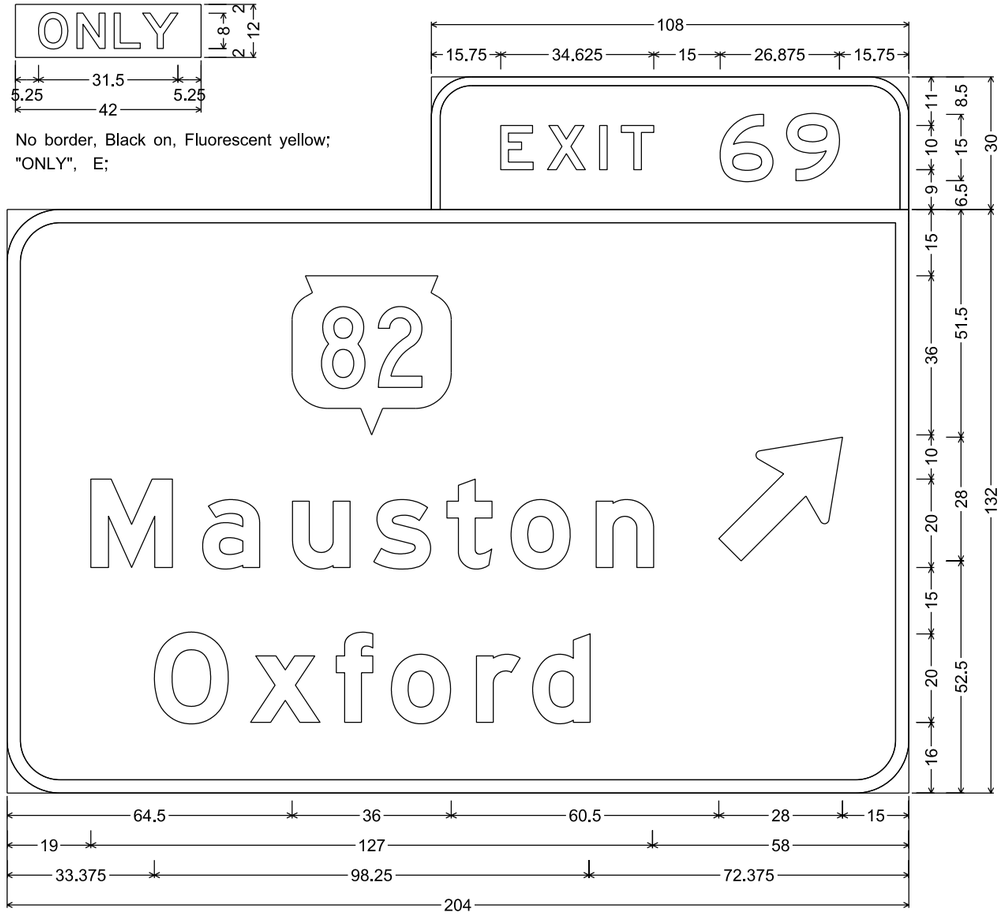
E6-54R; 9.000" Radius, 2.000" Border,
"EAST", C; "EAST", C

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all Caps Words Series E or as noted
4. ONLY plaque on Yellow Type F Reflective Sheeting with Black Non-Reflective sheeting

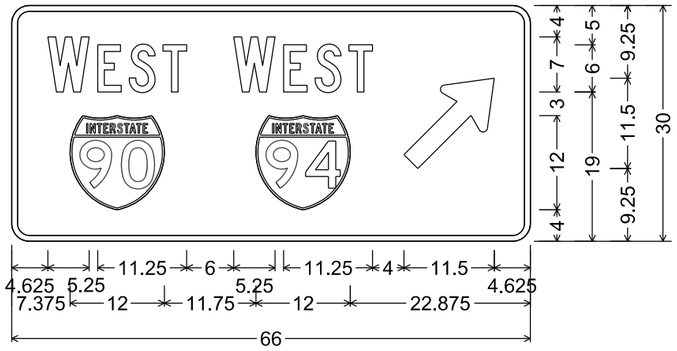


No border, Black on, Fluorescent yellow;
"ONLY", E;

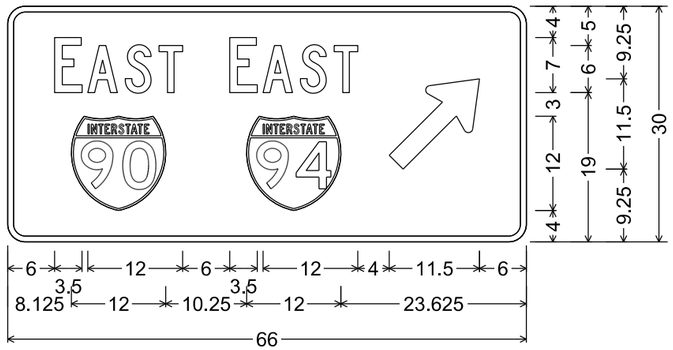


E1-5P; 9.000" Radius, 2.000" Border,
E4-1A; 12.000" Radius, 3.000" Border

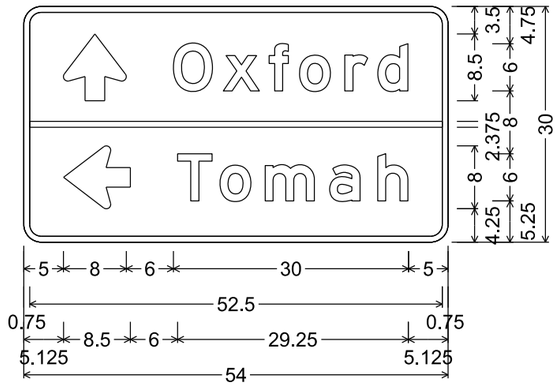
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET NO: 874	E



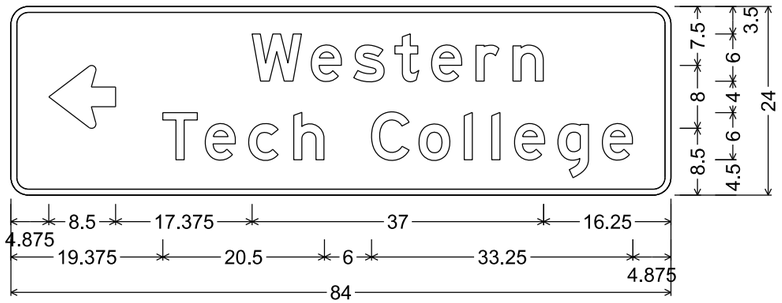
D1-1; 2.250" Radius, 0.750" Border,
"WEST", C; "WEST", C



D1-1; 2.250" Radius, 0.750" Border,
"EAST", C; "EAST", C



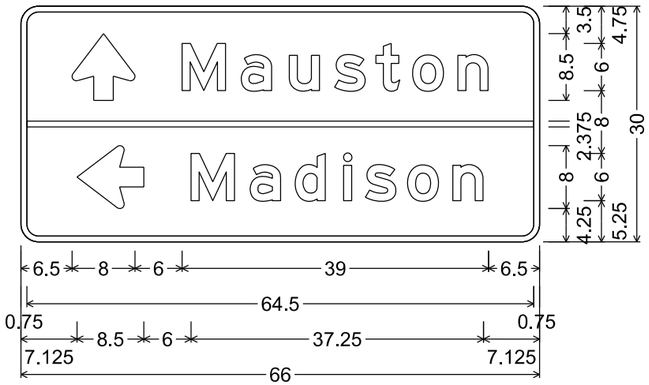
D1-2; 2.250" Radius, 0.750" Border



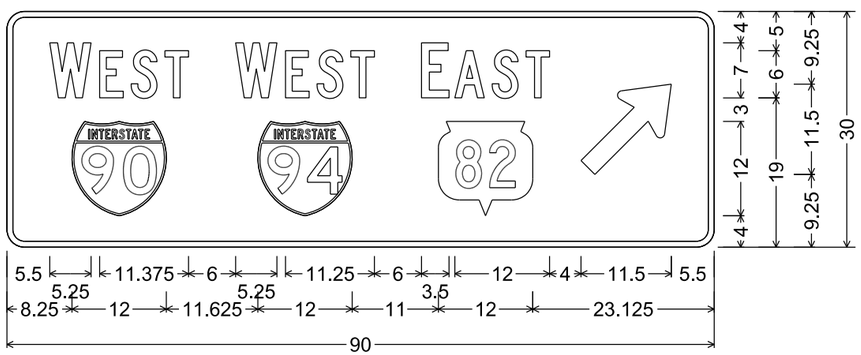
D1-2; 2.250" Radius, 0.750" Border

NOTES

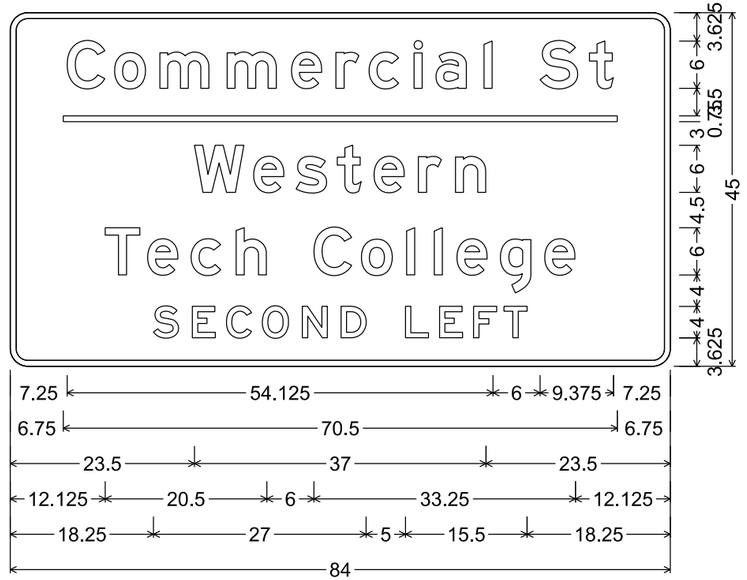
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



D1-2; 2.250" Radius, 0.750" Border



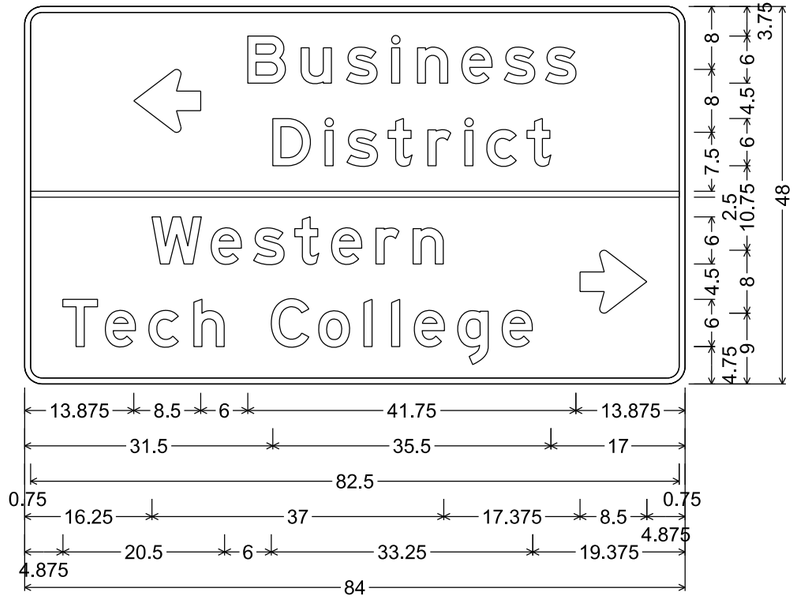
D1-1; 2.250" Radius, 0.750" Border,
"WEST", C; "WEST", C; "EAST", C



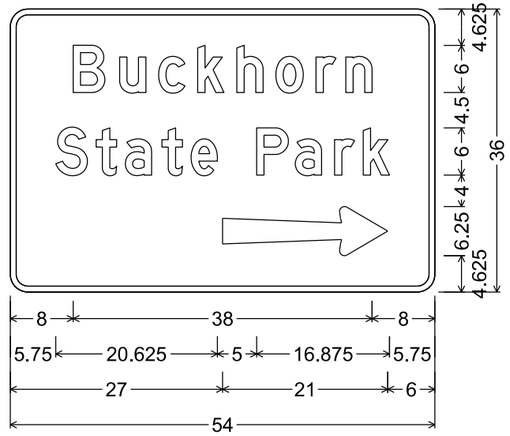
2.250" Radius, 0.750" Border

NOTES

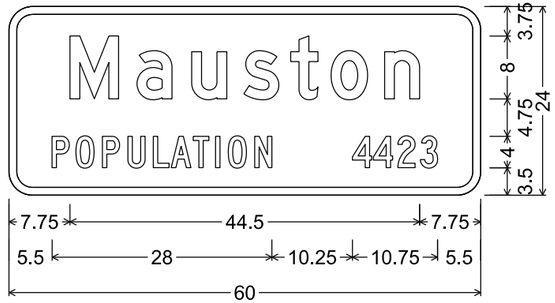
1. All Signs Type II - Type H Reflective
2. Color:
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   Message - White
3. Message Series - E except as noted



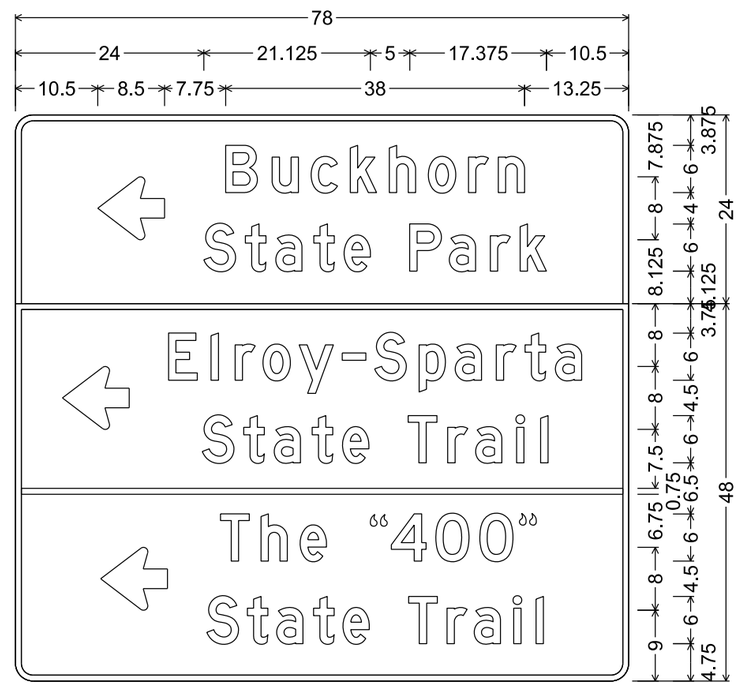
D1-4; 2.250" Radius, 0.750" Border



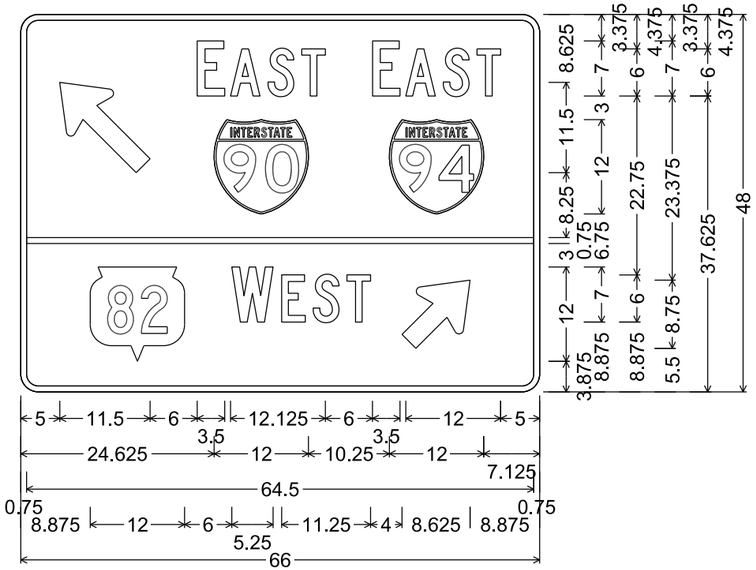
D7-68R; 2.250" Radius, 0.750" Border, White on, Brown;
"Buckhorn", D; "State", D; "Park", D



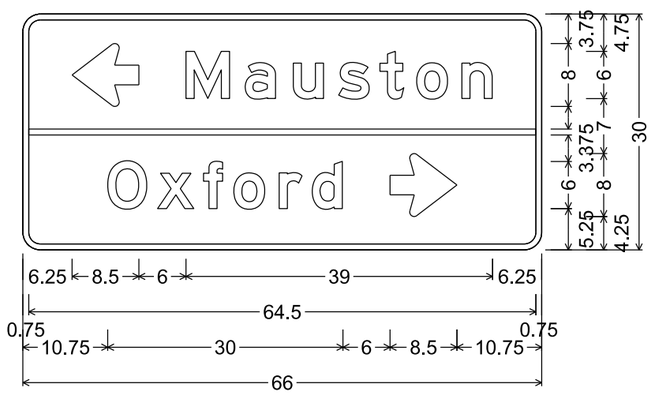
I2-3; 3.000" Radius, 1.000" Border,
"Mauston", D; "POPULATION", C; "4423", C



2.250" Radius, 0.750" Border, White on, Brown;
"Buckhorn", D; "State", D; "Park", D; "Elroy-Sparta", D; "State", D; "Trail", D;
"The", D; ""400"", D; "State Trail", D

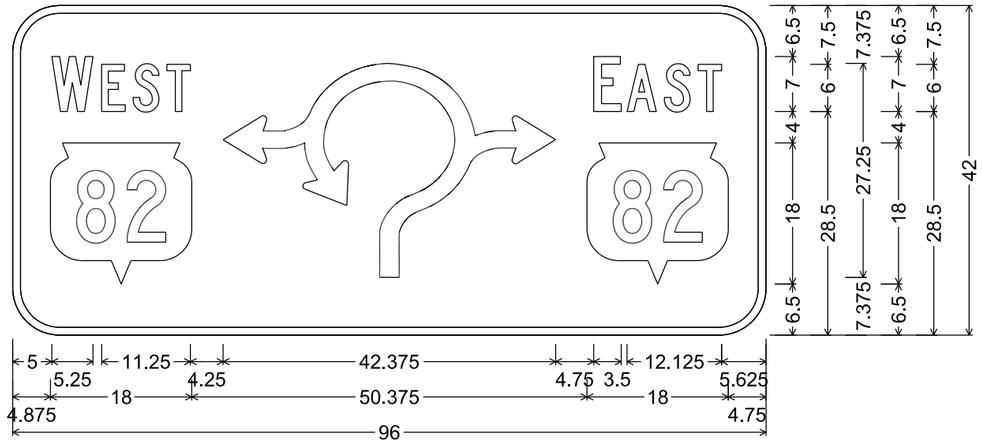


D1-3; 2.250" Radius, 0.750" Border,
"EAST", C; "EAST", C; "WEST", C

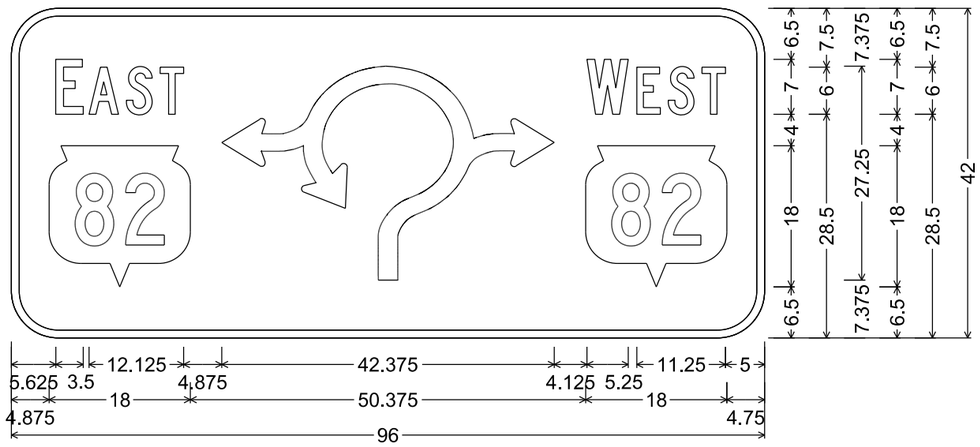


D1-2; 2.250" Radius, 0.750" Border

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	PERMANENT SIGNING	SHEET NO: 876	E



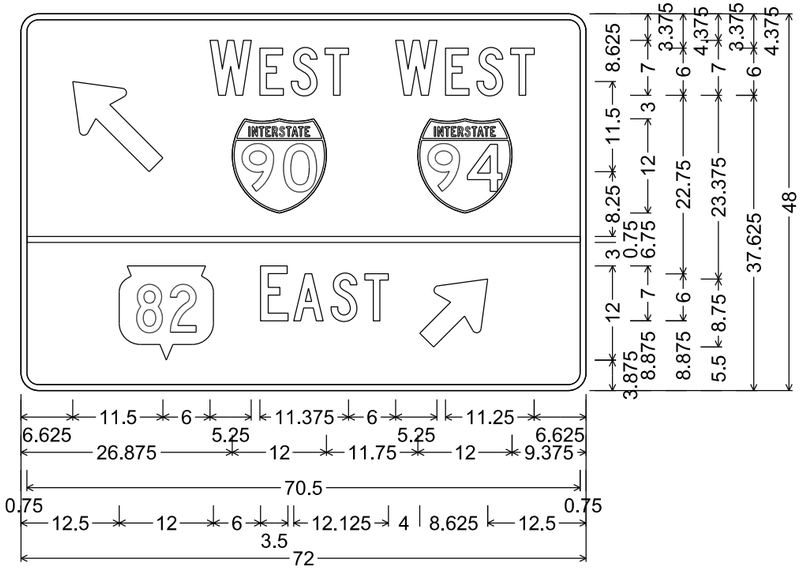
D1-62; 6.000" Radius, 1.000" Border,
"WEST", C; "EAST", C



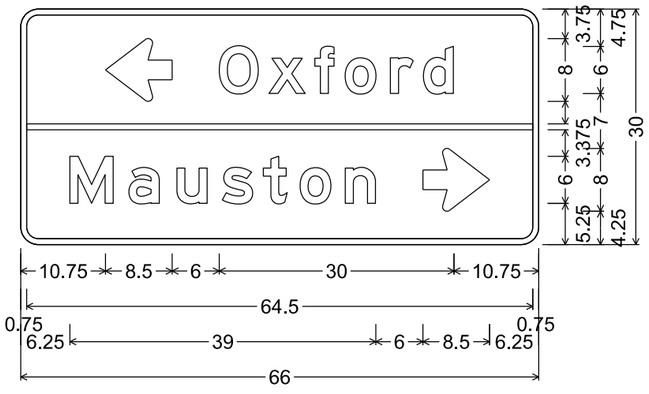
D1-62; 6.000" Radius, 1.000" Border,
"EAST", C; "WEST", C

NOTES

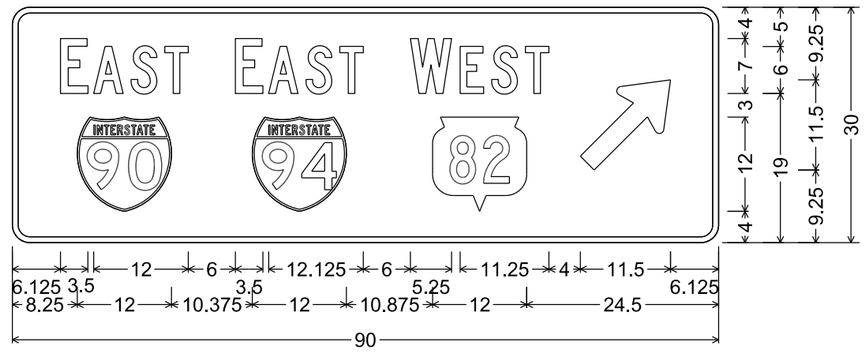
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



D1-3; 2.250" Radius, 0.750" Border,
"WEST", C; "WEST", C; "EAST", C



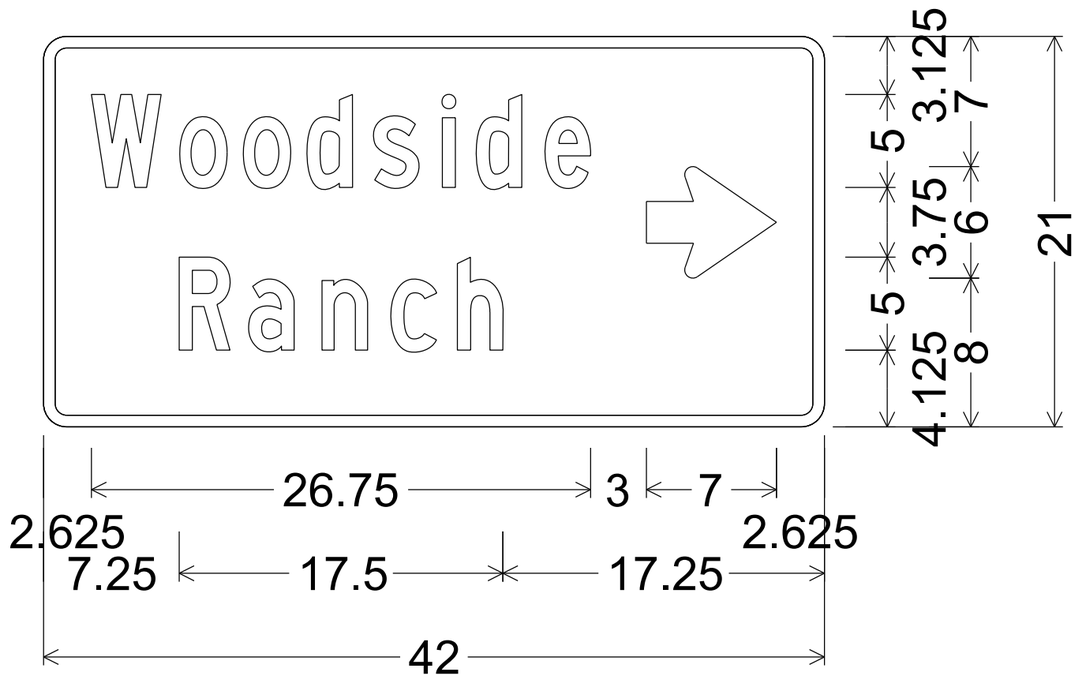
D1-2; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border, White on, Green;
"EAST", C; "EAST", C; "WEST", C

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C



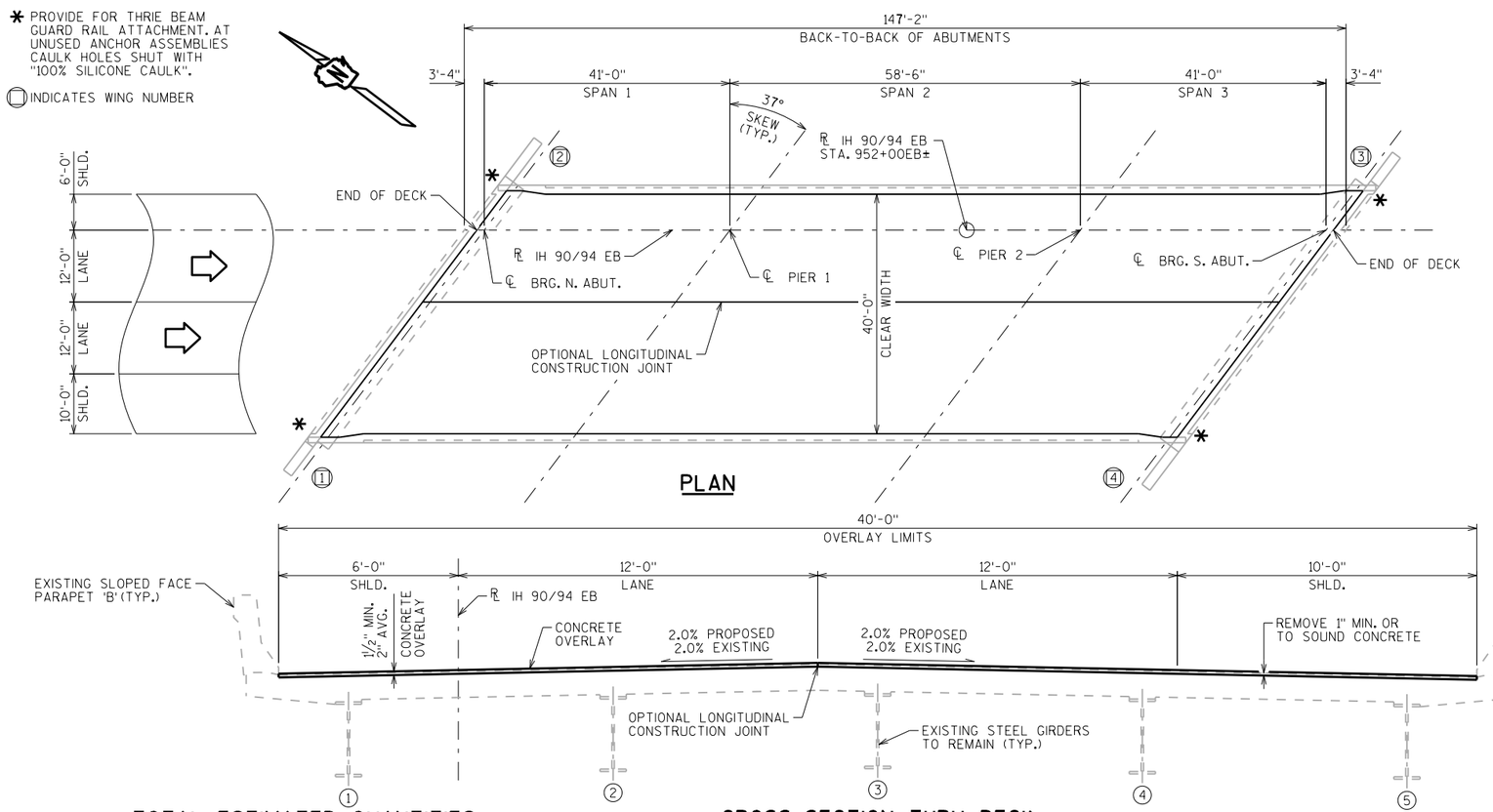
D1-2; 1.250" Radius, 0.625" Border

STATE PROJECT NUMBER

1016-05-70

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(2) INDICATES WING NUMBER



TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
203.0220	REMOVING STRUCTURE B-29-36	EACH	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-29-36	LS	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	160
501.1000.S	ICE HOT WEATHER CONCRETING	LB	400
502.0100	CONCRETE MASONRY BRIDGES	CY	53
502.3101	EXPANSION DEVICE	LF	108
502.3200	PROTECTIVE SURFACE TREATMENT	SY	672
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	118
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	104
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	5,400
506.5000	BEARING ASSEMBLIES FIXED B-29-36	EACH	2
506.6000	BEARING ASSEMBLIES EXPANSION B-29-36	EACH	5
506.7050.S	REMOVING BEARINGS B-29-36	EACH	7
509.0301	PREPARATION DECKS TYPE 1	SY	8
509.0302	PREPARATION DECKS TYPE 2	SY	4
509.0500	CLEANING DECKS	SY	603
509.1000	JOINT REPAIR	SY	59
509.1500	CONCRETE SURFACE REPAIR	SF	214
509.2000	FULL-DEPTH DECK REPAIR	SY	1
509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	36
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	20
517.3001.S	STRUCTURE OVERCOATING CLEANING AND PRIMING B-29-36	EACH	1
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	225
SPV.0060	CLEANING AND PAINTING BEARINGS	EACH	13
SPV.0180	SLOPE PAVING REPAIR CONCRETE	SY	89
	NON-BID ITEMS		
	FILLER	SIZE	1"

CROSS-SECTION THRU DECK

LOOKING SOUTH

DESIGN DATA

LIVE LOAD:

INVENTORY RATING: HS-19
OPERATING RATING: HS- 32
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 210 (KIPS)

MATERIAL PROPERTIES:

CONCRETE MASONRY:
CONCRETE MASONRY OVERLAY DECKS ——— f'c = 4,000 P.S.I.
CONCRETE MASONRY SUPERSTRUCTURE ——— f'c = 4,000 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 ——— fy = 60,000 P.S.I.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF NEW CONCRETE OVERLAY AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES.

PIGMENTED SURFACE SEALER RESEAL TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON MINIMUM OVERLAY THICKNESS OF 1½" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 2".

CONTACT THE BUREAU OF STRUCTURES BEFORE PLACEMENT OF OVERLAY IF THE AVERAGE THICKNESS OF THE NEW OVERLAY WILL EXCEED THE AVERAGE OVERLAY SHOWN ON THE PLANS BY MORE THAN ½".

A MINIMUM OF 1-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

SEAL OVERLAY CONSTRUCTION JOINTS ACCORDING TO SECTION 502.3.13.1 OF THE STANDARD SPECIFICATIONS. COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

THE AVERAGE OVERLAY THICKNESS IS BASED ON THE MINIMUM OVERLAY THICKNESS PLUS ½-INCH TO ACCOUNT FOR VARIATIONS IN THE DECK SURFACE.

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, AND FULL DEPTH DECK REPAIR AREAS ARE AS DETERMINED BY THE ENGINEER. ESTIMATED PLAN QUANTITY IS BASED ON INSPECTION REPORT. DECK PREPARATION AND FULL DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS".

REPLACE ALL BEARINGS AT THE SOUTH ABUTMENT AND ONLY THE EXTERIOR BEARINGS AT THE NORTH ABUTMENT. REMOVAL IS UNDER BID ITEM "REMOVING BEARINGS". ALL OTHER BEARINGS TO BE CLEANED AND PAINTED UNDER BID ITEM "CLEANING AND PAINTING BEARINGS".

CONCRETE SURFACE REPAIR ARE BASED ON PLANS AND AS DETERMINED BY THE ENGINEER.

GIRDER SPOT PAINTING IS REQUIRED AND TO BE DETERMINED BY ENGINEER. ESTIMATED QUANTITY OF 140 SF BASED ON INSPECTION REPORT.

SLOPE PAVING REPAIR SHALL BE DONE ACCORDING TO THE PLANS AND AS DIRECTED BY THE ENGINEER. BID ITEM "SLOPE PAVING REPAIR" INCLUDES REMOVAL OF EXISTING SLOPE PAVING, ANY NECESSARY EXCAVATION NEEDED TO PERFORM THE REPAIR, STRUCTURE BACKFILL, AND MATERIALS NEEDED FOR NEW SLOPE PAVING.

STRUCTURE DESIGN CONTACTS:

JONATHON RESHESKE (608) 266-8491
LAURA SHADEWALD (608) 267-9592

LIST OF DRAWINGS

1. CONCRETE OVERLAY
2. NORTH ABUTMENT JOINT REPAIR DETAILS 1
3. NORTH ABUTMENT JOINT REPAIR DETAILS 2
4. SOUTH ABUTMENT JOINT REPAIR DETAILS 1
5. SOUTH ABUTMENT JOINT REPAIR DETAILS 2
6. EXPANSION DEVICE
7. COVER PLATE DETAILS
8. ABUTMENT BEARING REPLACEMENT DETAILS
9. CONCRETE SURFACE REPAIR
10. SLOPE PAVING REPAIR

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED LLS 12/8/21
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-29-36

IH 90/94 EB OVER CTH G

COUNTY	CITY
JUNEAU	MAUSTON

DESIGN SPEC. REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JLR	IFC	JLR	IFC

CONCRETE OVERLAY

SHEET 1 OF 10

879

I.D. 1016-05-00E DATE: AUG/2021

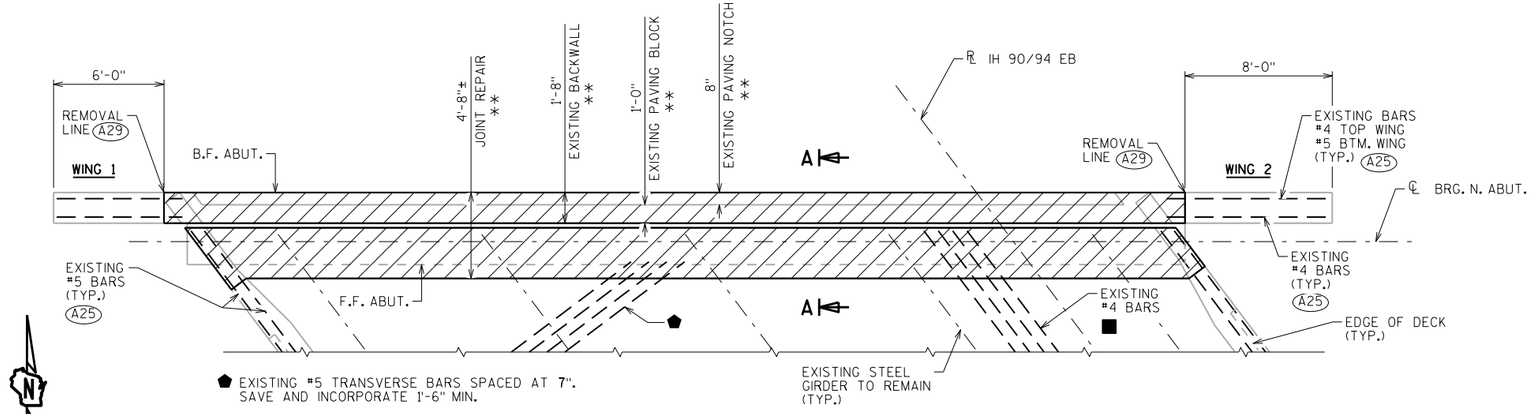
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8

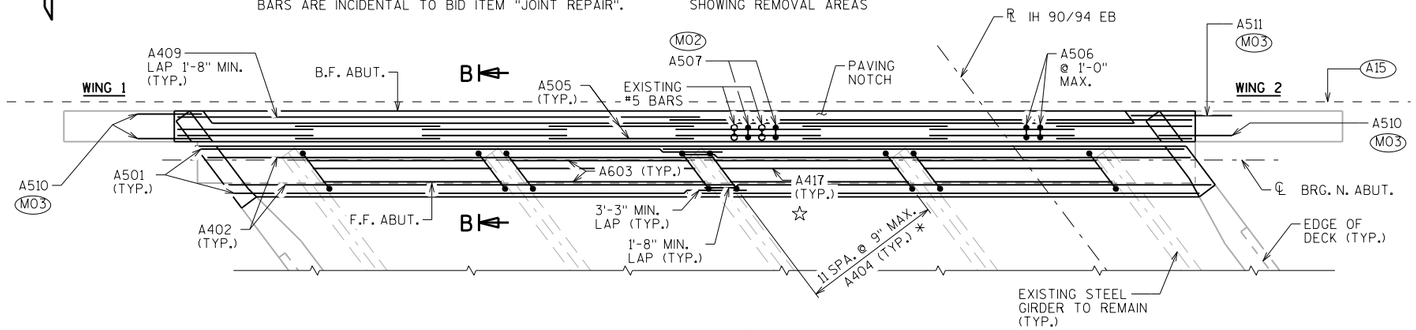
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STATE PROJECT NUMBER

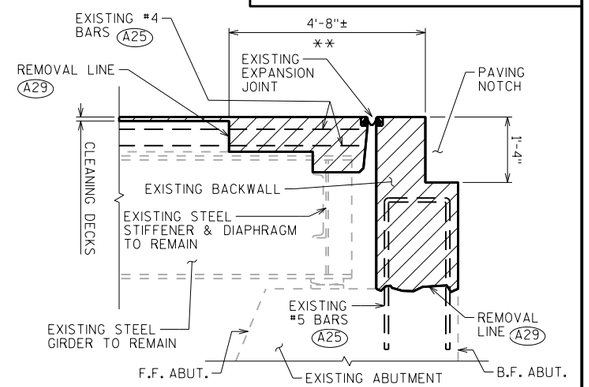
1016-05-70



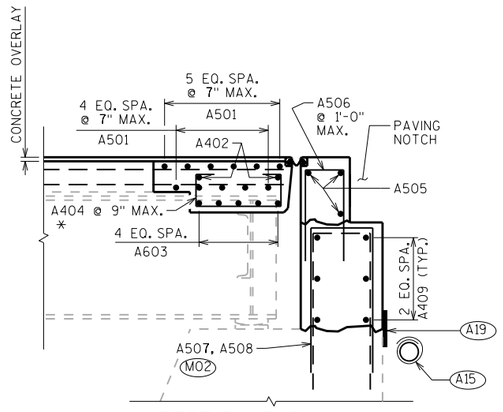
PLAN
SHOWING REMOVAL AREAS



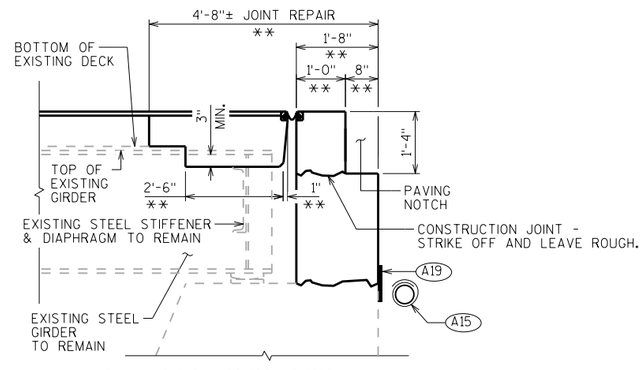
PLAN
SHOWING REINFORCEMENT



SECTION A-A: SHOWING REMOVAL



SECTION B-B



SECTION THRU JOINT

* BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS.

** MEASURED PERPENDICULAR TO SUBSTRUCTURE

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(A25) SALVAGE EXISTING REINFORCEMENT & EXTEND FULL LENGTH INTO NEW WORK. REPLACE IN KIND WITH ADHESIVE ANCHORS IF EXISTING BARS ARE UNUSABLE. EMBED ADHESIVE ANCHORS 1'-5" FOR #4 BARS & 2'-0" FOR #5 BARS. REPLACEMENT ADHESIVE ANCHORS INCIDENTAL TO BID ITEM "JOINT REPAIR".

(A29) ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM FOR ALL AREAS OF NEW TO EXISTING CONTACT. DEFINE BY A 1" SAW CUT.

(M02) A507, A508 ADHESIVE ANCHORS NO. 5 BAR. EMBED 2'-0" IN CONCRETE. PLACE BARS @ 1'-6" SPACING BETWEEN EXISTING U-BARS.

(M03) A510, A511 ADHESIVE ANCHORS NO. 5 BAR. EMBED 2'-0" MIN. IN CONCRETE. PLACE BARS 3 EQ. VERTICAL SPACES @ 1'-0" MAX.

☆ SEE "EXPANSION DEVICE" SHEET FOR DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-36

DRAWN BY JLR | PLANS CK'D. IFC

NORTH ABUTMENT JOINT REPAIR DETAILS 1

SHEET 2

880

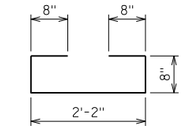
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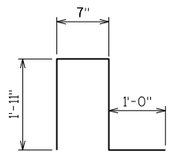
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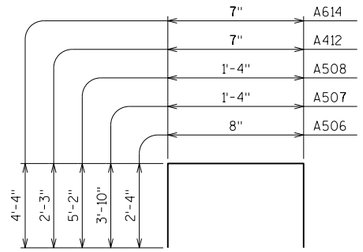
1016-05-70



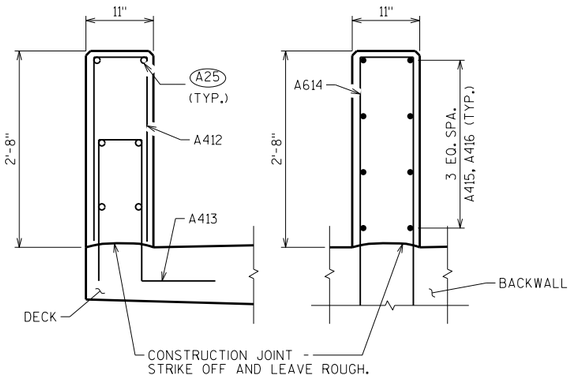
A404



A413



A506, A507, A508
A412, A614



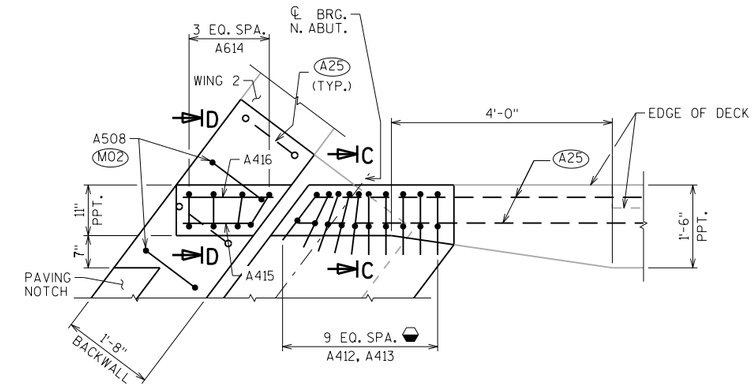
SECTION C-C
SHOWING PARAPET
REINFORCEMENT

SECTION D-D
SHOWING PARAPET
REINFORCEMENT

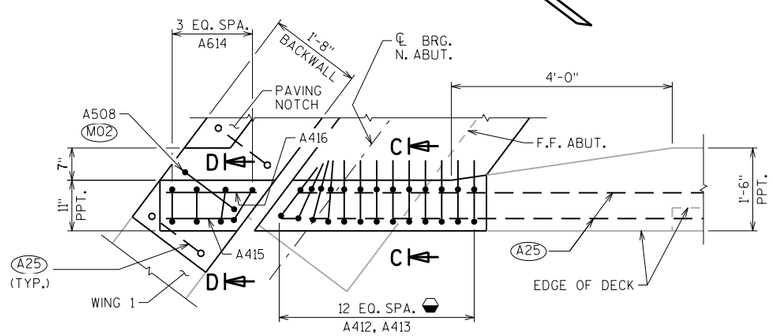
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

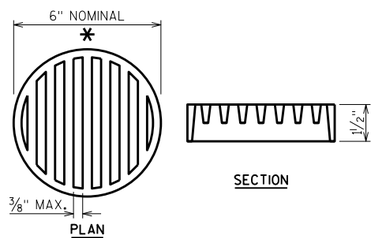
	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
	A501	X	22	28'-4"			SUPERSTRUCTURE - HORIZ. - TRANSVERSE
	A402	X	4	27'-7"			SUPERSTRUCTURE - HORIZ. - TRANSVERSE
	A603	X	20	9'-9"			DIAPHRAGM - HORIZ. - TRANSVERSE
	A404	X	48	4'-6"	X		DIAPHRAGM - VERT. - STIRRUP
	A505	X	24	7'-11"			PAVING BLOCK - HORIZ. - TRANSVERSE
	A506	X	51	5'-1"	X		PAVING BLOCK - VERT.
(M02)	A507	X	34	8'-9"	X		BACKWALL - VERT.
(M02)	A508	X	3	11'-5"	X		BACKWALL - VERT. - ENDS
	A409	X	12	28'-5"			BACKWALL - HORIZ. - F.F. & B.F.
(M03)	A510	X	12	4'-0"			BACKWALL/WINGS - HORIZ. - F.F. & B.F.
(M03)	A511	X	4	5'-6"			BACKWALL/WING 2 - HORIZ. - B.F.
	A412	X	23	4'-11"	X		PPT. - VERT.
	A413	X	23	5'-2"	X		PPT./SUPERSTRUCTURE - VERT.
	A614	X	8	8'-11"	X		PPT./BACKWALL - VERT. - ENDS
	A415	X	8	1'-2"			PPT. - HORIZ. - ENDS
	A416	X	8	1'-8"			PPT. - HORIZ. - ENDS
☆	A417	X	8	9'-9"			DIAPHRAGM - HORIZ. - TRANSVERSE



PLAN AT PPT. WING 2



PLAN AT PPT. WING 1



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

(A25) SALVAGE EXISTING REINFORCEMENT & EXTEND FULL LENGTH INTO NEW WORK. REPLACE IN KIND WITH ADHESIVE ANCHORS IF EXISTING BARS ARE UNUSABLE. EMBED ADHESIVE ANCHORS 1'-5" FOR #4 BARS & 2'-0" FOR #5 BARS. REPLACEMENT ADHESIVE ANCHORS INCIDENTAL TO BID ITEM "JOINT REPAIR".

(M02) A507, A508 ADHESIVE ANCHORS NO. 5 BAR. EMBED 2'-0" IN CONCRETE. PLACE BARS @ 1'-6" SPACING BETWEEN EXISTING U-BARS.

(M03) A510, A511 ADHESIVE ANCHORS NO. 5 BAR. EMBED 2'-0" MIN. IN CONCRETE. PLACE BARS 3 EQ. VERTICAL SPACES @ 1'-0" MAX.

FAN BARS AS NECESSARY

☆ SEE "EXPANSION DEVICE" SHEET FOR DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-36

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NORTH ABUTMENT JOINT REPAIR DETAILS 2

SHEET 3

881

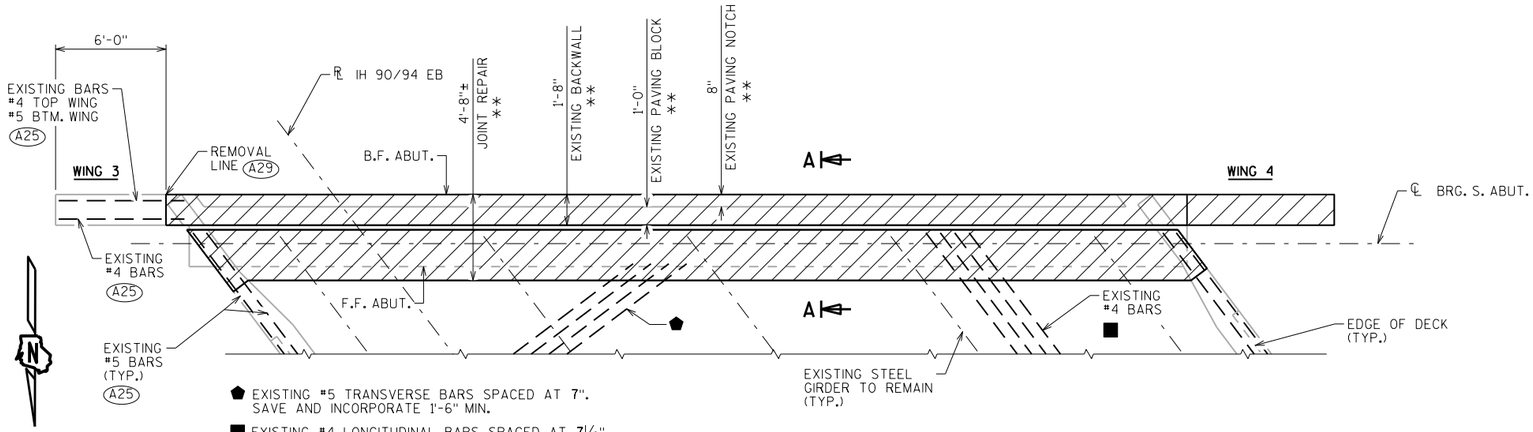
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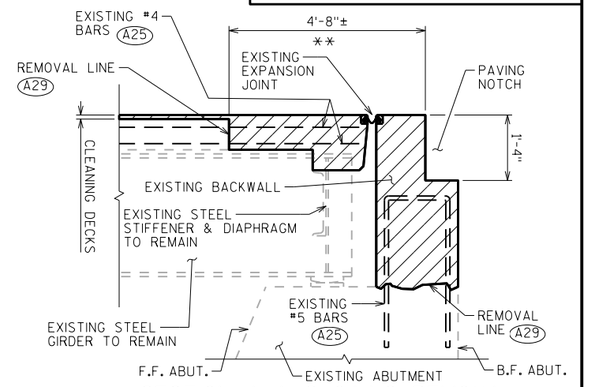
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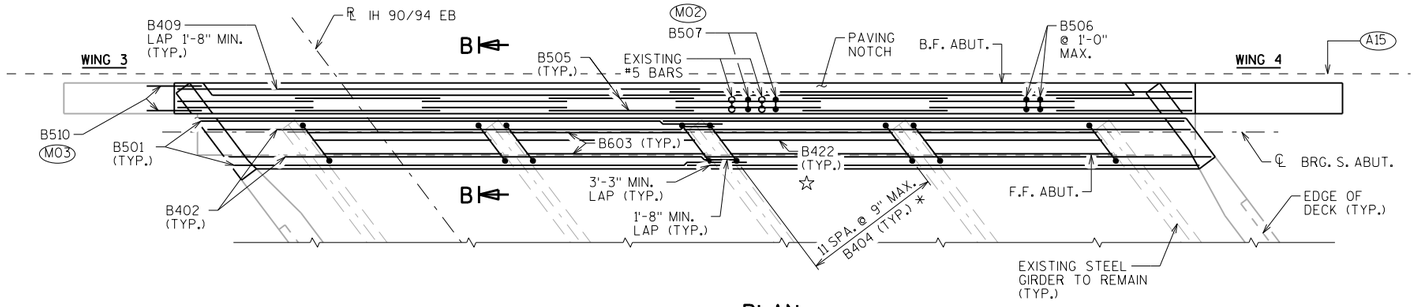
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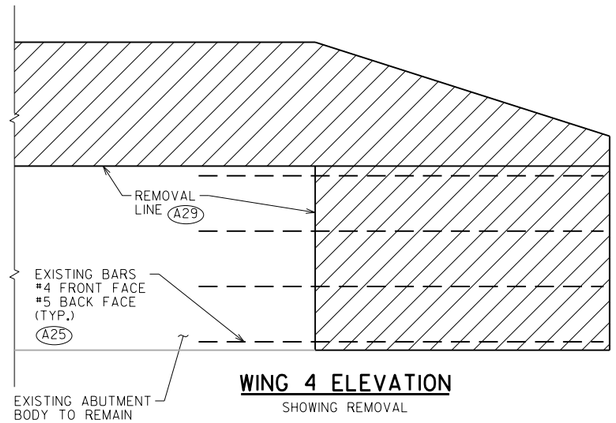
PLAN
SHOWING REMOVAL AREAS



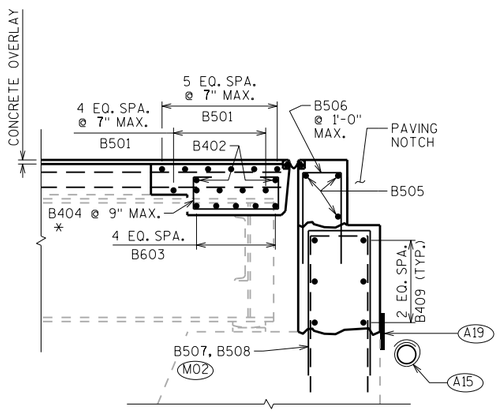
SECTION A-A: SHOWING REMOVAL



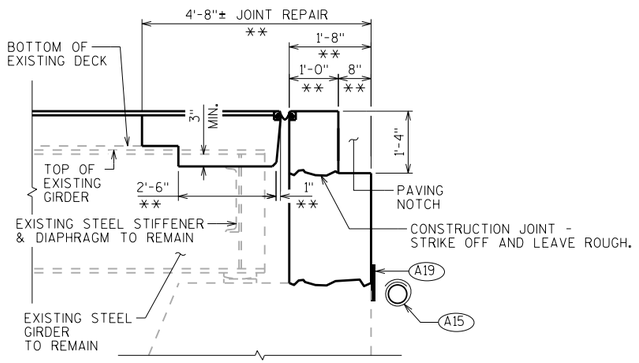
PLAN
SHOWING REINFORCEMENT



WING 4 ELEVATION
SHOWING REMOVAL



SECTION B-B



SECTION THRU JOINT

* BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS.

** MEASURED PERPENDICULAR TO SUBSTRUCTURE

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(A25) SALVAGE EXISTING REINFORCEMENT & EXTEND FULL LENGTH INTO NEW WORK. REPLACE IN KIND WITH ADHESIVE ANCHORS IF EXISTING BARS ARE UNUSABLE. EMBED ADHESIVE ANCHORS 1'-5" FOR #4 BARS & 2'-0" FOR #5 BARS. REPLACEMENT ADHESIVE ANCHORS INCIDENTAL TO BID ITEM "JOINT REPAIR".

(A29) ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM FOR ALL AREAS OF NEW TO EXISTING CONTACT. DEFINE BY A 1" SAW CUT.

(M02) B507, B508 ADHESIVE ANCHORS NO. 5 BAR. EMBED 2'-0" IN CONCRETE. PLACE BARS @ 1'-6" SPACING BETWEEN EXISTING U-BARS.

(M03) B510 ADHESIVE ANCHORS NO. 5 BAR. EMBED 2'-0" IN CONCRETE. PLACE BARS 3 EQ. VERTICAL SPACES @ 1'-0".

☆ SEE "EXPANSION DEVICE" SHEET FOR DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-36

DRAWN BY JLR | PLANS CK'D. IFC

SOUTH ABUTMENT JOINT REPAIR DETAILS 1

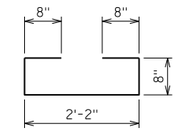
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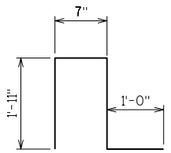
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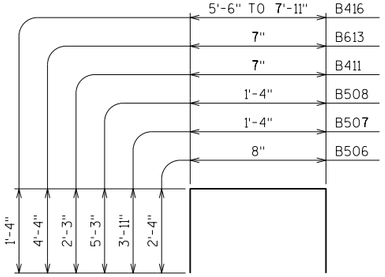
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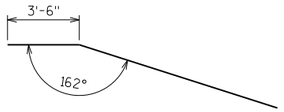
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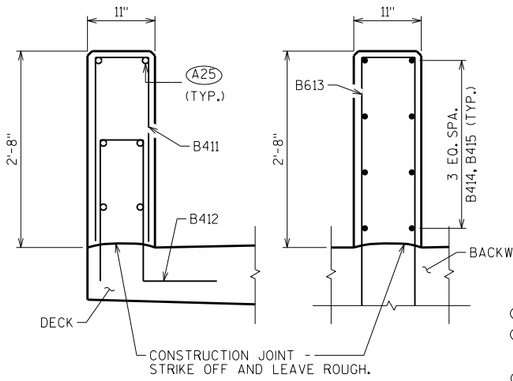
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B506, B507, B508
B411, B613, B416

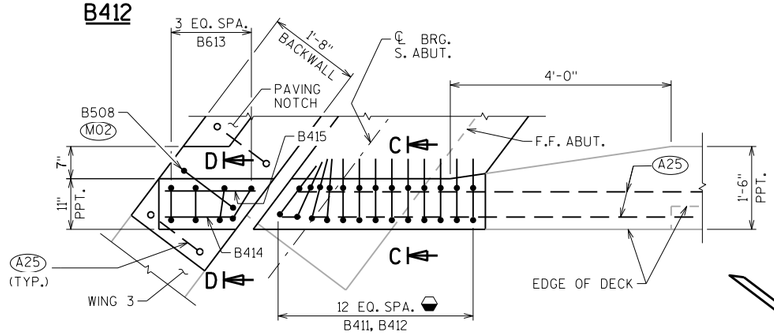


B417

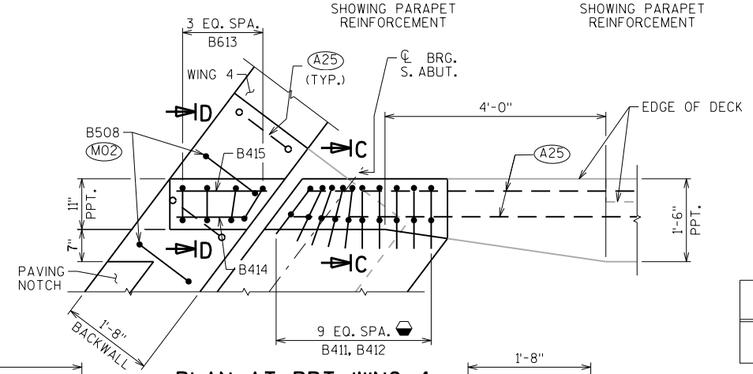


SECTION C-C
SHOWING PARAPET REINFORCEMENT

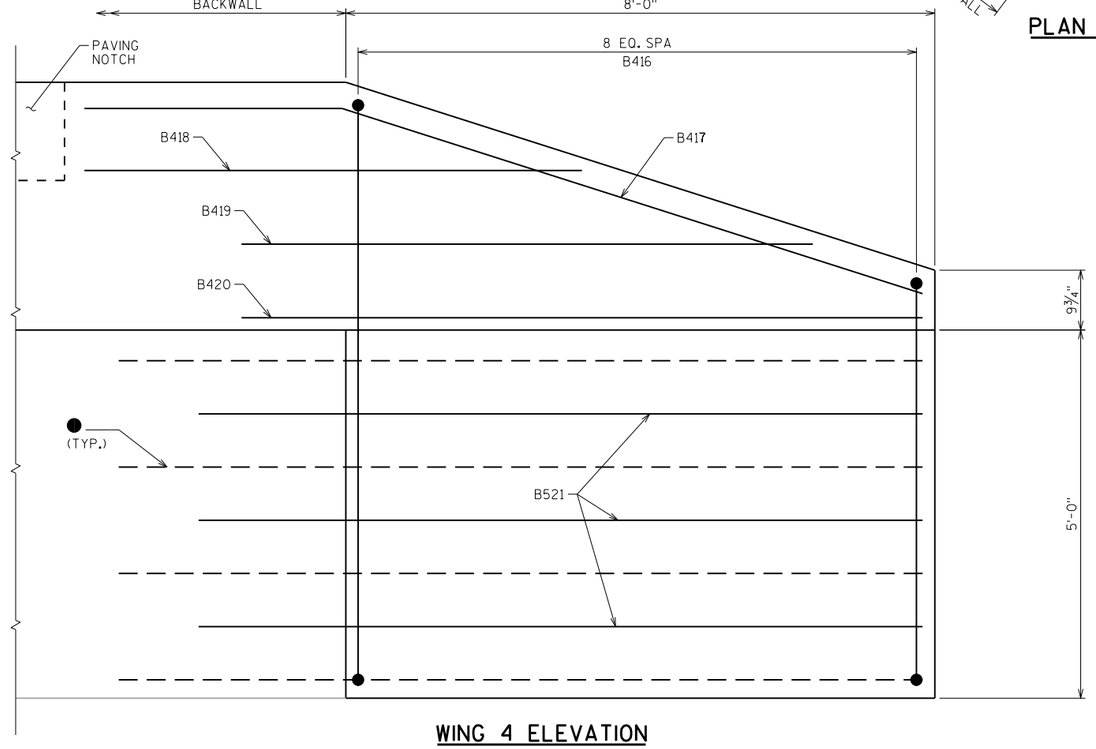
SECTION D-D
SHOWING PARAPET REINFORCEMENT



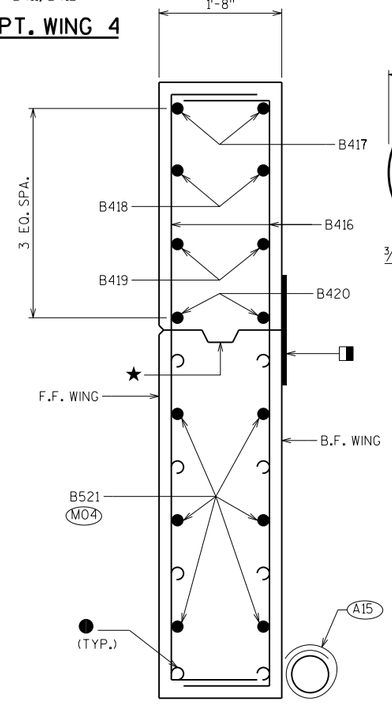
PLAN AT PPT. WING 3



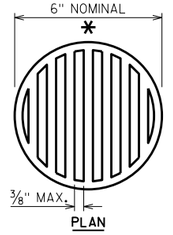
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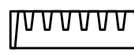
WING 4 ELEVATION



WING 4 SECTION



PLAN



SECTION

RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

STATE PROJECT NUMBER
1016-05-70

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501	X	22	28'-4"			SUPERSTRUCTURE - HORIZ. - TRANSVERSE
B402	X	4	27'-7"			SUPERSTRUCTURE - HORIZ. - TRANSVERSE
B603	X	20	9'-9"			DIAPHRAGM - HORIZ. - TRANSVERSE
B404	X	48	4'-6"	X		DIAPHRAGM - VERT. - STIRRUP
B505	X	24	7'-11"			PAVING BLOCK - HORIZ. - TRANSVERSE
B506	X	51	5'-1"	X		PAVING BLOCK - VERT.
M02 B507	X	34	8'-11"	X		BACKWALL - VERT.
M02 B508	X	3	11'-7"	X		BACKWALL - VERT. - ENDS
B409	X	12	28'-5"			BACKWALL - HORIZ. - F.F. & B.F.
M03 B510	X	8	4'-0"			BACKWALL/WINGS - HORIZ. - F.F. & B.F.
B411	X	23	4'-11"	X		PPT. - VERT.
B412	X	23	5'-2"	X		PPT./SUPERSTRUCTURE - VERT.
B613	X	8	8'-11"	X		PPT./BACKWALL - VERT. - ENDS
B414	X	8	1'-2"			PPT. - HORIZ. - ENDS
B415	X	8	1'-8"			PPT. - HORIZ. - ENDS
B416	X	18	9'-3"	X	⚠	WING 4 - VERT.
B417	X	2	11'-9"	X		WING 4 - HORIZ. - TOP
B418	X	2	6'-8"			WING 4 - HORIZ. - TOP
B419	X	2	7'-10"			WING 4 - HORIZ. - TOP
B420	X	2	9'-3"			WING 4 - HORIZ. - TOP
M04 B521	X	6	9'-10"			ABUTMENT BODY/WING 4 - HORIZ. - BTM.
☆ B422	X	8	9'-9"			DIAPHRAGM - HORIZ. - TRANSVERSE

BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
B416	2 SERIES OF 9	8'-0" TO 10'-5"

BUNDLE AND TAG EACH SERIES SEPARATELY.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A25) SALVAGE EXISTING REINFORCEMENT & EXTEND FULL LENGTH INTO NEW WORK. REPLACE IN KIND WITH ADHESIVE ANCHORS IF EXISTING BARS ARE UNUSABLE. EMBED ADHESIVE ANCHORS 1'-5" FOR #4 BARS & 2'-0" FOR #5 BARS. REPLACEMENT ADHESIVE ANCHORS INCIDENTAL TO BID ITEM "JOINT REPAIR".

(M02) B507, B508 ADHESIVE ANCHORS NO. 5 BAR. EMBED 2'-0" IN CONCRETE. PLACE BARS @ 1'-6" SPACING BETWEEN EXISTING U-BARS.

(M03) B510 ADHESIVE ANCHORS NO. 5 BAR. EMBED 2'-0" IN CONCRETE. PLACE BARS 3 EQ. VERTICAL SPACES @ 1'-0".

(M04) B521 ADHESIVE ANCHORS NO. 5 BAR. EMBED 2'-0" IN CONCRETE. PLACE BARS @ 1'-6" SPACING BETWEEN EXISTING HORIZONTAL BARS.

FAN BARS AS NECESSARY

★ OPTIONAL KEYED CONST. JOINT FORMED BY BEVELED 2" X 6"

RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JOINT IS USED (COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES".

☆ SEE "EXPANSION DEVICE" SHEET FOR DETAILS

● SALVAGE EXISTING REINFORCEMENT & EXTEND FULL LENGTH INTO NEW WORK. REPLACE WITH B521 ADHESIVE ANCHORS IF EXISTING BARS ARE UNUSABLE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-36

DRAWN BY JLR | PLANS CK'D. IFC

SOUTH ABUTMENT JOINT REPAIR DETAILS 2

SHEET 5

883

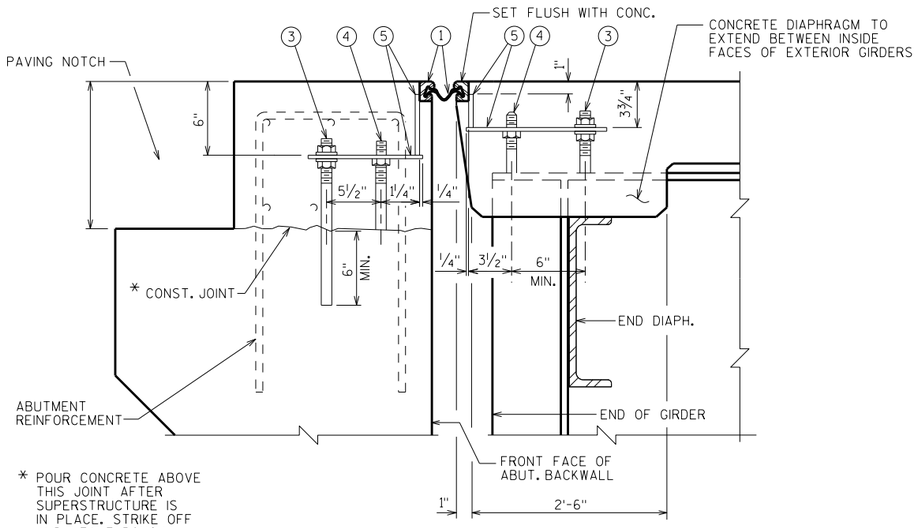
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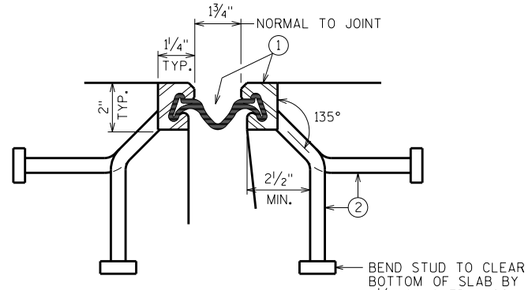
STATE PROJECT NUMBER

1016-05-70



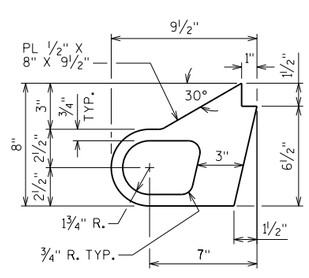
SECTION THRU JOINT AT ABUTMENT

NORMAL TO ℄ SUBSTRUCTURE

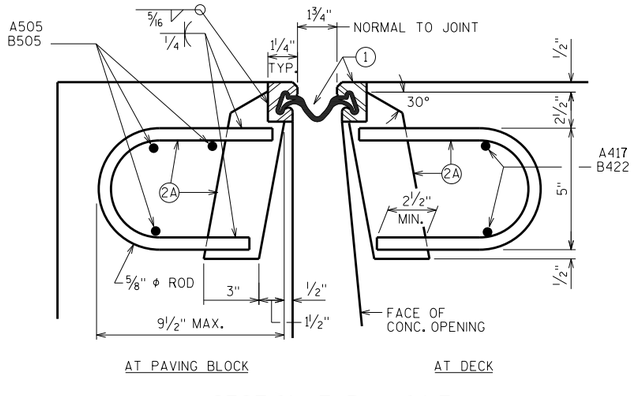


SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK AND AT PARAPETS

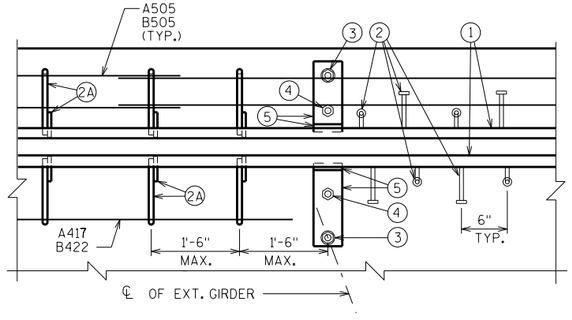


ALTERNATE STRIP SEAL ANCHOR



SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS.



PART PLAN

LEGEND

(1) NEOPRENE STRIP SEAL (4 - INCH) AND STEEL EXTRUSIONS.

(2) STUDS 5/8"ϕ X 6 3/8" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.

(2A) 1/2" THICK ANCHOR PLATE WITH 5/8"ϕ ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE. WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CENTERS BETWEEN GIRDERS.

(3) 3/4" ϕ THREADED ROD WITH 2 NUTS AND PLATE WASHERS. WELD THREADED ROD TO TOP FLANGE OR ATTACH BY BOLTING THRU FLANGE. ON ABUTMENT SIDE GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACKWALL AS SHOWN.

(4) 3/4"ϕ THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.

(5) FABRICATE SUPPORT FROM 3" X 1/2" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1 1/2" ϕ HOLE FOR NO. 3 AND 1" ϕ HOLE FOR NO. 4.

(6) GALVANIZED PLATE 3/8" X 10" X 2'-2" LONG WITH HOLES FOR NO. 7.

(7) 3/4" DIA. X 1 1/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.

(8) 3/4" DIA. X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.

(9) 3/4" DIA. X 2 1/4" GALVANIZED THREADED COUPLING.

(11) 1" X 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, HANDLING OR GALVANIZING REQUIREMENTS. IF USED, ANCHOR PLATES SHALL BE PROVIDED 3" FROM EACH SIDE OF THE FIELD SPLICE. DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 & SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C AND D.

ALL MATERIAL IN THE EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE PAID AT THE UNIT PRICE BID FOR "EXPANSION DEVICE", LF.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-36

DRAWN BY JLR | PLANS CK'D. IFC

EXPANSION DEVICE

SHEET 6

884

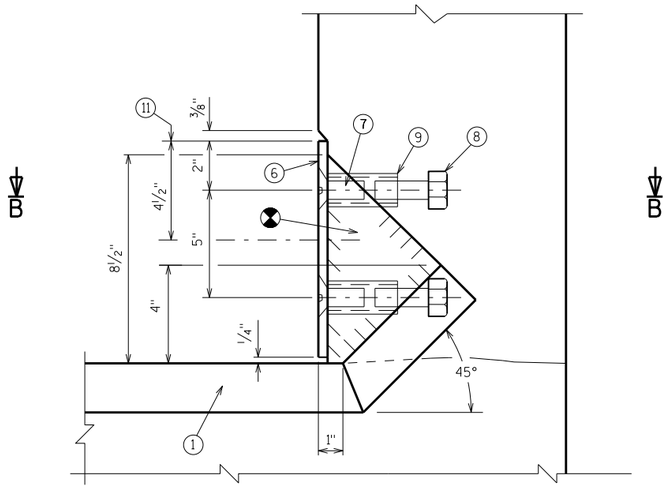
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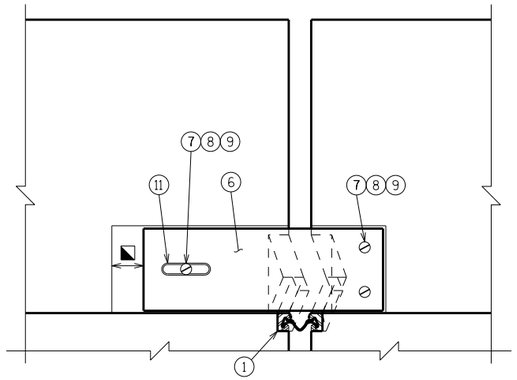
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STATE PROJECT NUMBER

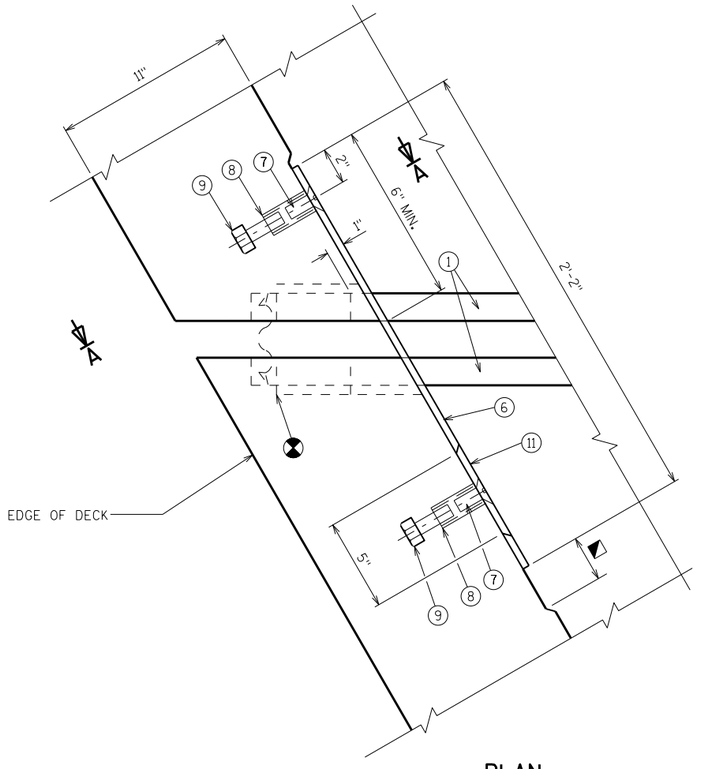
1016-05-70



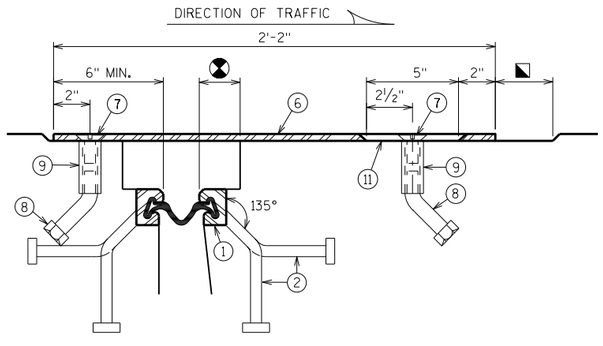
SECTION A-A



VIEW OF PARAPET PLATE FROM ROADWAY



PLAN



SECTION B-B

8

8

⊠ BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

◪ JOINT OPENING DIMENSION ALONG SKEW PLUS 1/2".

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STRUCTURES DESIGN SECTION

STRUCTURE B-29-36

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COVER PLATE DETAILS

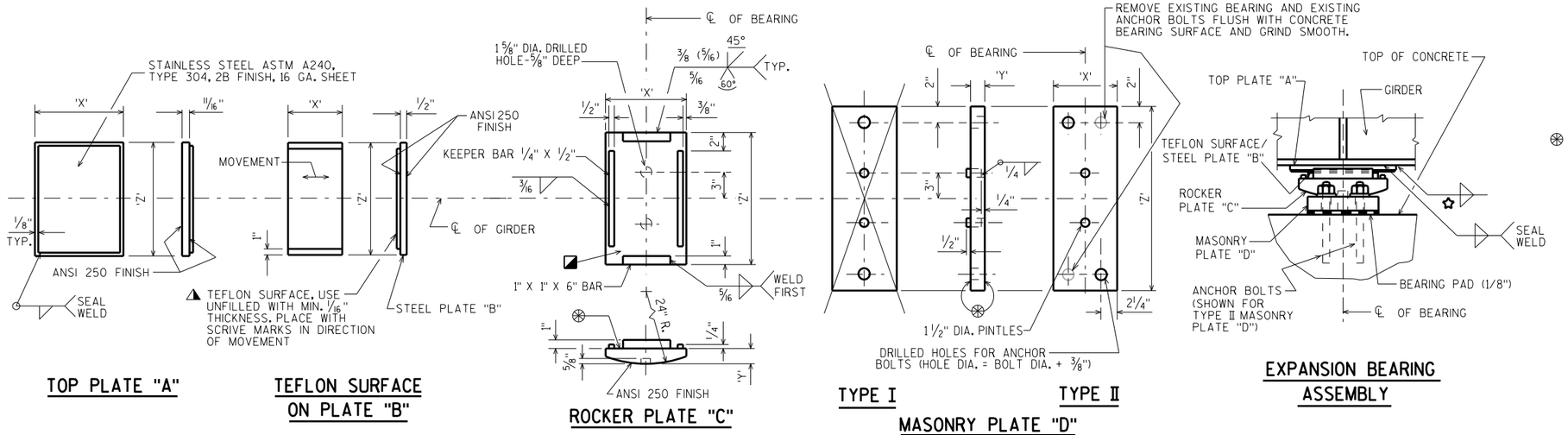
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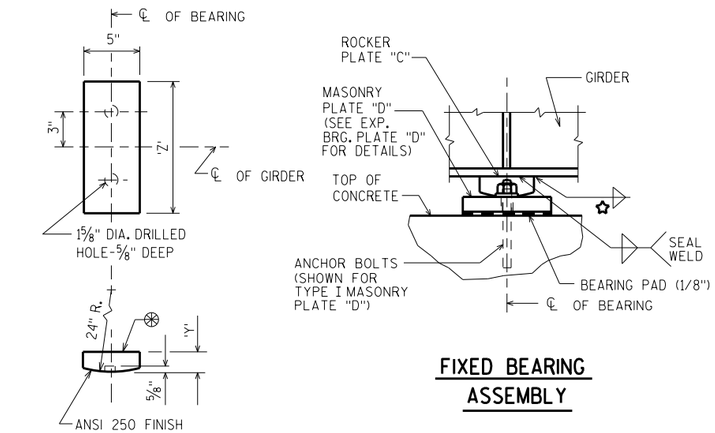
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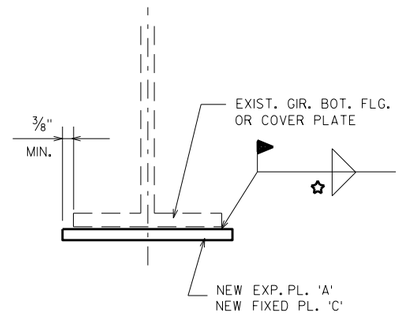


EXPANSION BEARING

	PLATE "A"		PLATE "B"		PLATE "C"			PLATE "D"			PLATE "D" TYPE	ANCHOR BOLT SIZE	NO. OF BRG'S REQ'D.	LOCATION
	'X'	'Z'	'X'	'Z'	'X'	'Y'	'Z'	'X'	'Y'	'Z'				
EXPANSION BEARING	9"	10"	5"	10"	7"	1 7/16"	12 1/4"	8"	1 1/2"	1'-7"	II	1 1/4"	5	S. ABUT.
FIXED BEARING						1 5/16"	10"	8"	1 1/2"	1'-7"	II	1 1/4"	2	N. ABUT. - EXT. GIR.



FIXED BEARING



BEARING REPLACEMENT DETAILS

BEARING NOTES

ALL BEARINGS ARE SYMMETRICAL ABOUT ℄ OF GIRDER AND ℄ OF BEARING.

✻ FINISH THESE SURFACES TO ANSI 250 IF 'Y' DIMENSION IS GREATER THAN 2".

ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153, CLASS C.

ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM F1554 GRADE 50, OR MATERIAL OF EQUIVALENT YIELD STRENGTH AND ELONGATION.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES, BUT EXCLUDING STAINLESS STEEL SHEET, TEFLON SURFACE, PINTLES, ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A709 GRADE 50W.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES AND BEARING PADS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING ASSEMBLIES EXPANSION B-29-36" OR "BEARING ASSEMBLIES FIXED B-29-36", EACH.

CHAMFER ANCHOR BOLTS PRIOR TO THREADING.

ALL FINISHED SURFACES SHALL BE MACHINE FINISHED BY AN AUTOMATIC PROCESS.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

PROVIDE 1/8" THICK BEARING PAD THE SAME SIZE AS MASONRY PLATE "D" FOR EACH BEARING.

ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE STANDARD WROUGHT WASHER AND ONE HEX NUT PER BOLT. BOLT LENGTH TO BE 1'-5 FOR 1 1/4" ϕ AND 1'-10 FOR 1 1/2" ϕ BOLTS. PROJECT ANCHOR BOLTS, MASONRY PLATE "D" THICKNESS + 2 1/4", ABOVE TOP OF CONCRETE.

CHAMFER TOP OF PINTLES 1/8". DRILL HOLES FOR ALL PINTLES IN MASONRY PLATE "D" FOR A DRIVING FIT.

STEEL PINTLES SHALL CONFORM TO ASTM A449 OR ASTM A572 GRADE 50.

FIXED BEARINGS:
ROCKER PLATE "C" SHALL BE SHOP PAINTED WITH A WELDABLE PRIMER.
MASONRY PLATE "D" SHALL BE GALVANIZED.

EXPANSION BEARINGS:
ROCKER PLATE "C" AND MASONRY PLATE "D" SHALL BE GALVANIZED. TOP PLATE "A" AND STEEL PLATE "B" SHALL BE SHOP PAINTED.USE A WELDABLE PRIMER ON TOP PLATE "A". DO NOT PAINT STAINLESS STEEL OR TEFLON SURFACES.

◪ PROVIDE A METHOD FOR HANDLING ROCKER PLATE "C" DURING GALVANIZING.

⚠ BOND STEEL PLATE "B" AND TEFLON WITH ADHESIVE MATERIAL MEETING REQUIREMENTS FOUND IN THE STANDARD SPECIFICATION.

AT INSTALLATION, ENSURE STAINLESS STEEL SLIDING FACE OF THE UPPER ELEMENT AND THE TFE SLIDING FACE OF THE LOWER ELEMENT HAVE THE SURFACE FINISH SPECIFIED AND ARE CLEAN AND FREE OF ALL DUST, MOISTURE, AND OTHER FOREIGN MATTER.

✿ TABLE OF FILLET WELD SIZES

MATERIAL THICKNESS OF THICKER PART JOINED.	+ MIN. SIZE OF FILLET WELD
TO 1/2" INCLUSIVE	3/16"
OVER 1/2" TO 3/4"	1/4"
OVER 3/4" TO 1 1/2"	△ 5/16"
OVER 1 1/2" TO 2 1/4"	△ 3/8"
OVER 2 1/4" TO 6"	△ 1/2"

+ EXCEPT THAT THE WELD SIZE SHALL NOT EXCEED THE THICKNESS OF THE THINNER PART JOINED.

△ MIN. PASS SIZE IS 5/16"

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STRUCTURES DESIGN SECTION

STRUCTURE B-29-36

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ABUTMENT BEARING REPLACEMENT DETAILS

SHEET 8

886

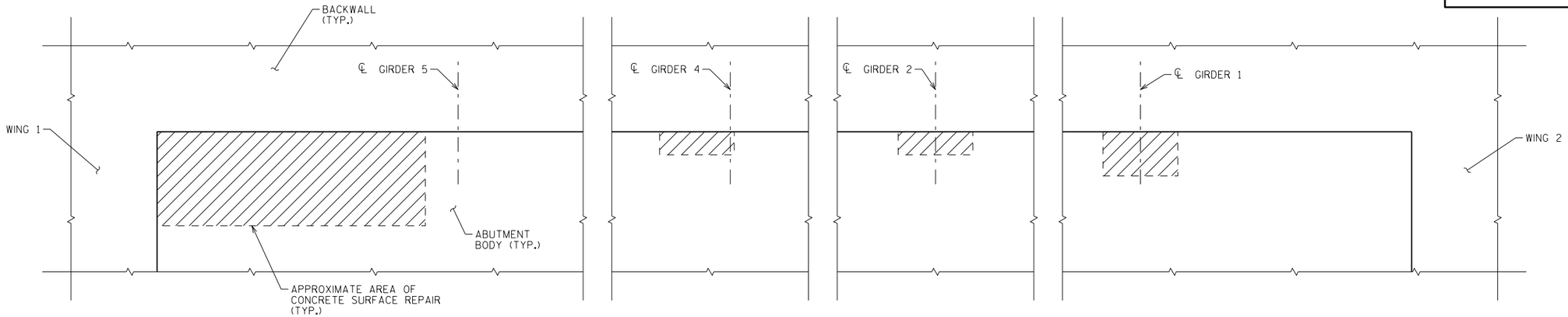
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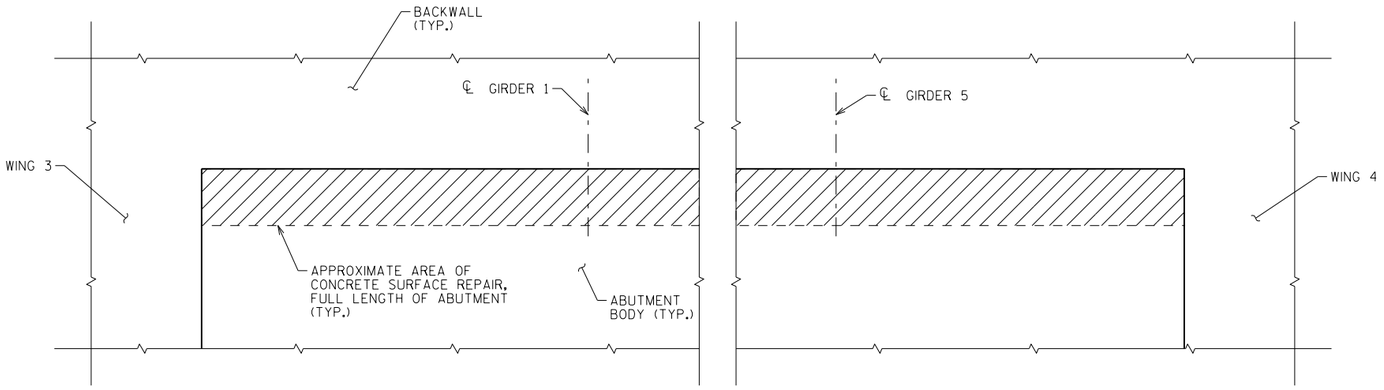
STATE PROJECT NUMBER

1016-05-70



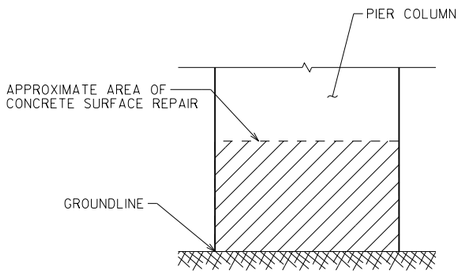
NORTH ABUTMENT ELEVATION

LOOKING NORTH



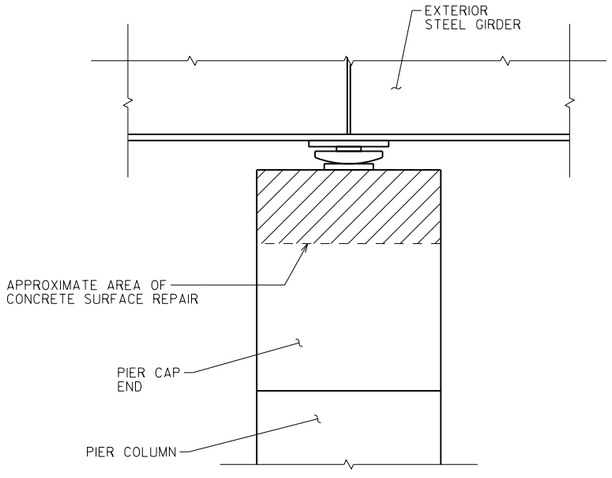
SOUTH ABUTMENT ELEVATION

LOOKING SOUTH



PIER COLUMN ELEVATION

TYPICAL EACH PIER



PIER 2 CAP WEST END ELEVATION

LOOKING EAST

NOTE: CONCRETE SURFACE REPAIR AREAS AND QUANTITIES ARE APPROXIMATE AND ARE TO BE DETERMINED BY THE ENGINEER.

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-36

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CONCRETE SURFACE REPAIR

SHEET 9

887

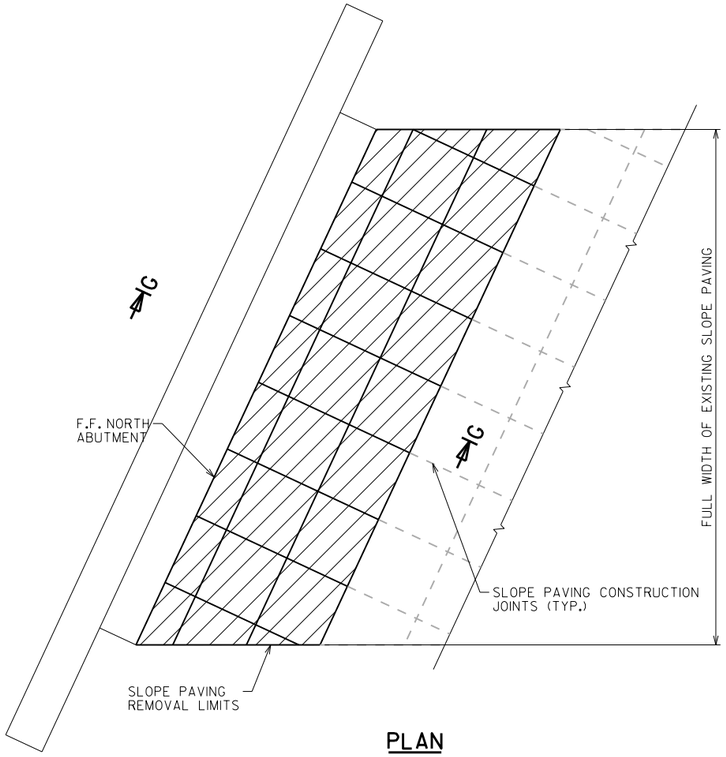
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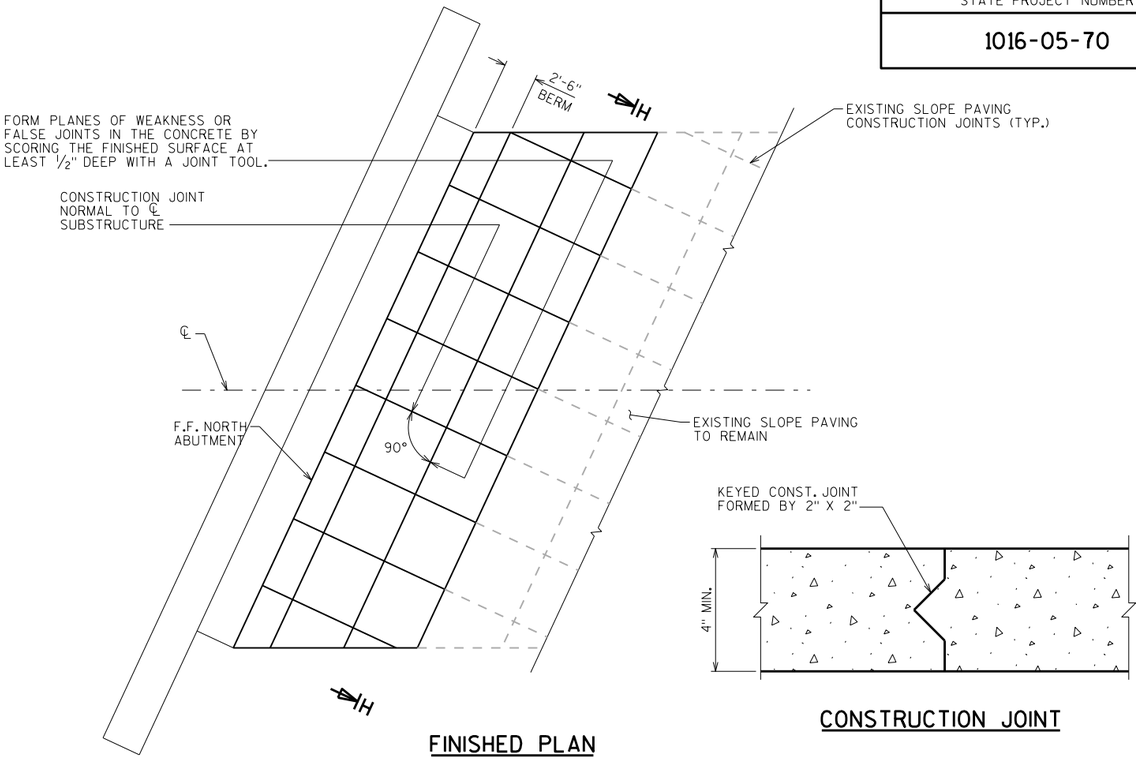
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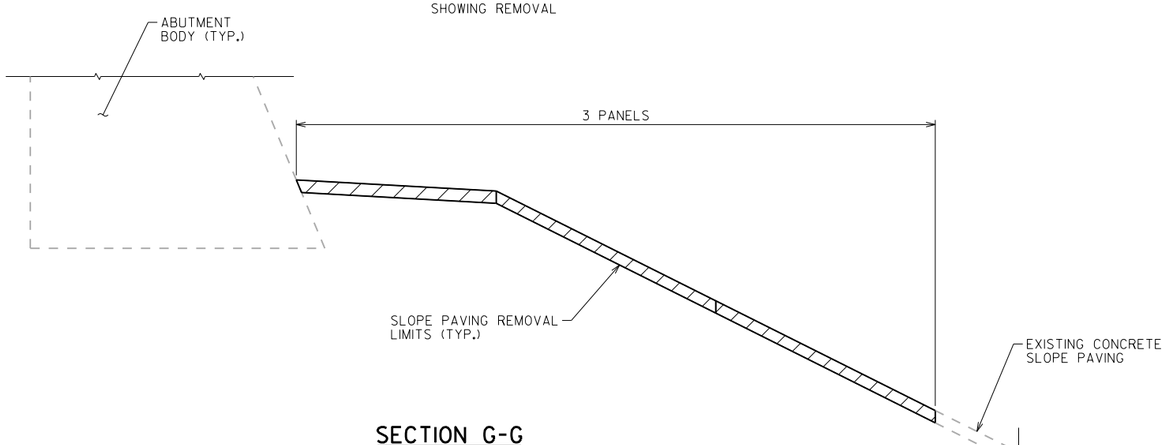
PLAN

SHOWING REMOVAL



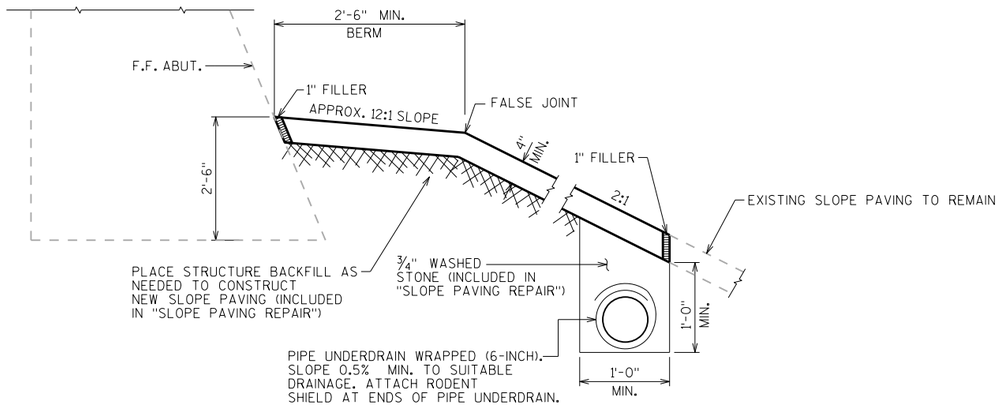
FINISHED PLAN

CONSTRUCTION JOINT

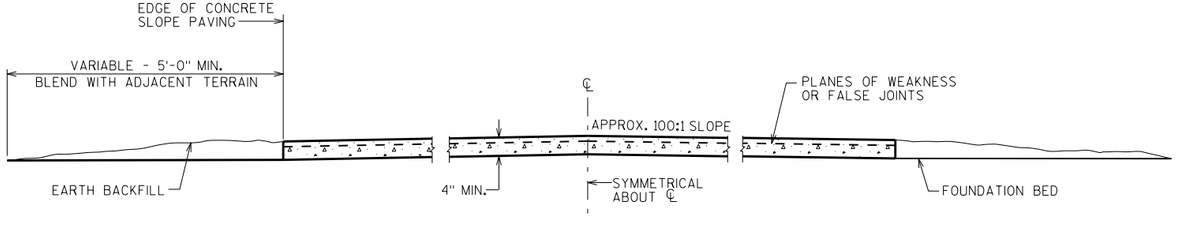


SECTION G-G

SHOWING REMOVAL



TYPICAL FINISHED SECTION



SECTION H-H

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-36

DRAWN BY JLR | PLANS CK'D. IFC

SLOPE PAVING REPAIR

SHEET 10

888

SCALE = 1.50

8

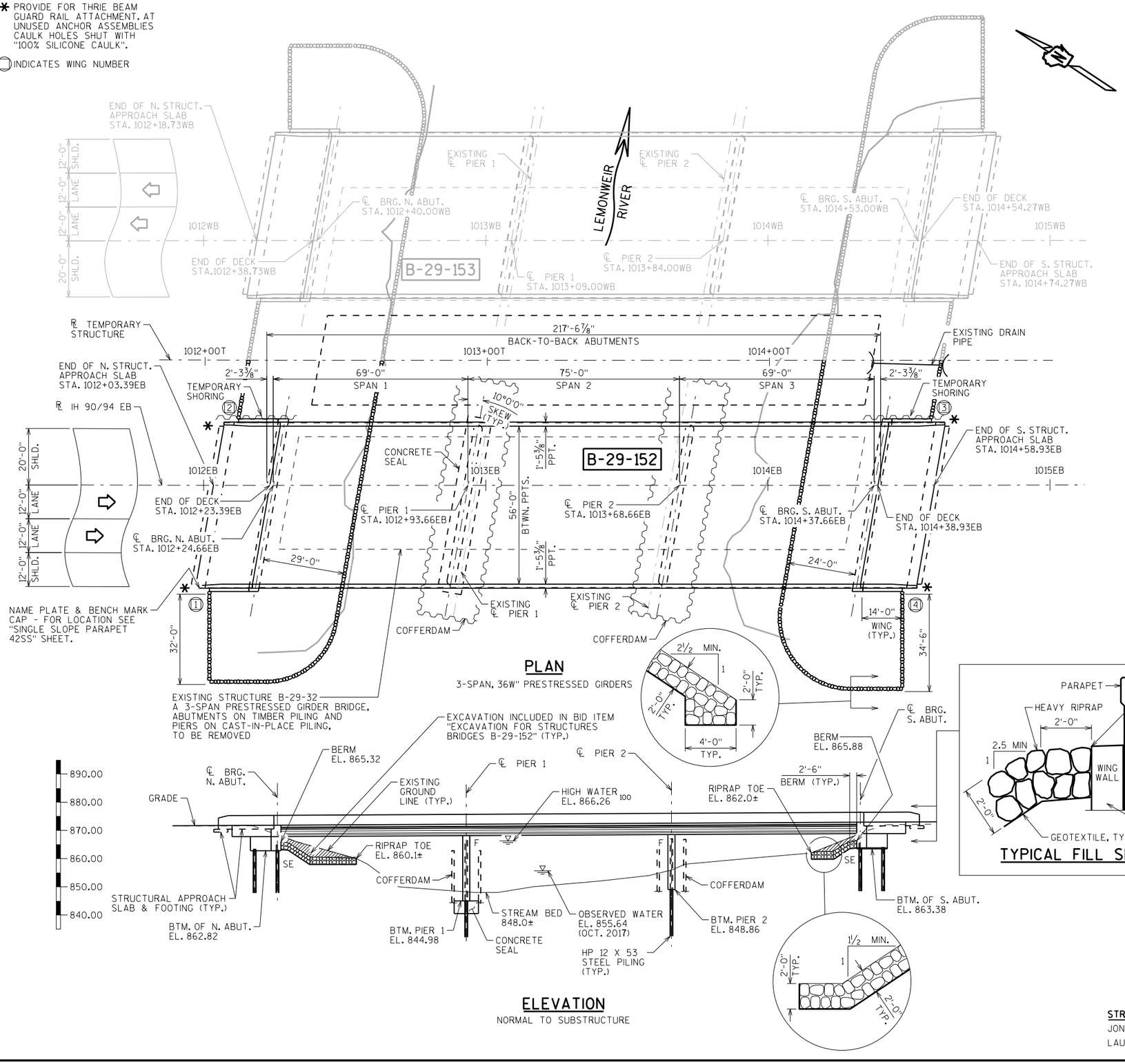
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STATE PROJECT NUMBER

1016-05-70

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER

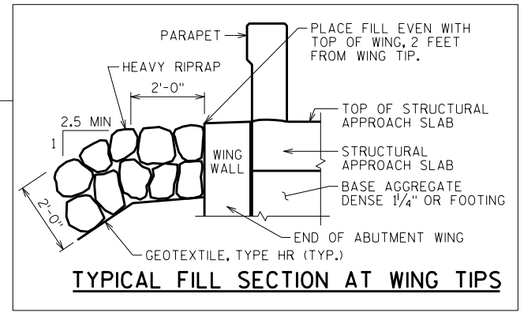


PLAN

3-SPAN, 36W" PRESTRESSED GIRDERS

ELEVATION

NORMAL TO SUBSTRUCTURE



TYPICAL FILL SECTION AT WING TIPS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.06
OPERATING RATING FACTOR: RF = 1.38
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

36W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 12 X 53 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 50'-0" LONG. PILE POINTS REQ'D.

PIERS TO BE SUPPORTED ON HP 12 X 53 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 65'-0" LONG AT PIER 1 AND 60'-0" LONG AT PIER 2, PILE POINTS REQ'D.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} = 9,230 C.F.S.
$VEL._{100}$ = 4.70 F.P.S.
$HW._{100}$ = EL. 866.26
WATERWAY AREA = 1,954 SQ. FT.
DRAINAGE AREA = 621.90 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 5

2 YEAR FREQUENCY

Q_2 = 3,400 C.F.S.
$VEL._2$ = 2.5 F.P.S.
$HW._2$ = EL. 862.75

TRAFFIC VOLUME

IH 90/94

ADT = 44,100 (2042)
R.D.S. = 70 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. GENERAL NOTES & DETAILS
4. SUBSURFACE EXPLORATION
5. NORTH ABUTMENT
6. NORTH ABUTMENT DETAILS
7. SOUTH ABUTMENT
8. SOUTH ABUTMENT DETAILS
9. PIER 1
10. PIER 2
11. 36W" PRESTRESSED GIRDER DETAILS 1
12. 36W" PRESTRESSED GIRDER DETAILS 2
13. STEEL DIAPHRAGM
14. STEEL DIAPHRAGM LOCATIONS
15. SUPERSTRUCTURE DETAILS 1
16. SUPERSTRUCTURE DETAILS 2
17. SUPERSTRUCTURE DETAILS 3
18. STRUCTURAL APPROACH SLAB
19. SINGLE SLOPE PARAPET 42SS
20. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:

JONATHON RESHESKE (608) 266-8491
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED — CHIEF STRUCTURES DESIGN ENGINEER — DATE 12/8/21

STRUCTURE B-29-152

IH 90/94 EB OVER LEMONWEIR RIVER

COUNTY	TOWN ~~CITY/VILLAGE~~
JUNEAU	LEMONWEIR

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JLR	IFC	MJH	JLR

GENERAL PLAN

SHEET 1 OF 20

889

I.D. 1016-05-00A

DATE: DEC 2021

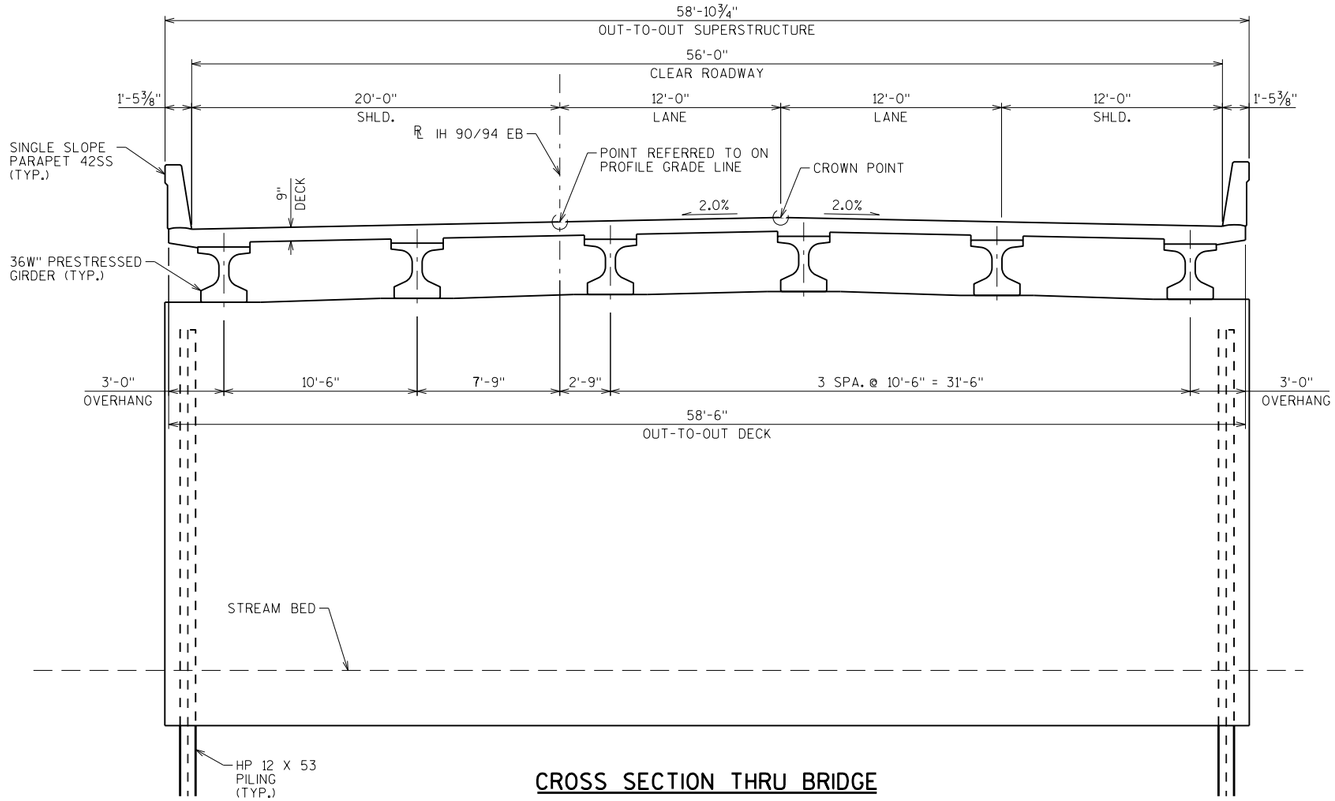
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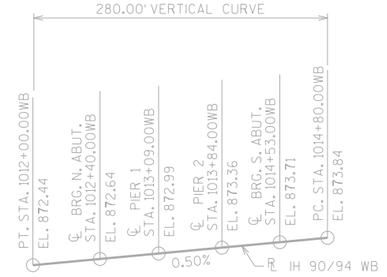
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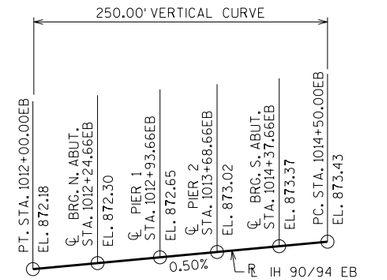


CROSS SECTION THRU BRIDGE

LOOKING UPSTATION



PROFILE GRADE LINE - IH 90/94 WB



PROFILE GRADE LINE - IH 90/94 EB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	N. STRUCT. APP. SLAB	NORTH ABUT.	PIER 1	PIER 2	SOUTH ABUT.	S. STRUCT. APP. SLAB	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS B-29-32	EACH	———	———	———	———	———	———	———	1
203.0260	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS, TEMPORARY BRIDGE STATION 1013+00T	EACH	———	———	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-29-152	LS	———	———	———	———	———	———	———	1
206.5000	COFFERDAMS B-29-152	LS	———	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	192	———	———	219	———	411
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	———	185	———	———	185	———	370
501.1000.S	ICE HOT WEATHER CONCRETING	LB	3,955	600	445	1,120	955	480	600	8,155
502.0100	CONCRETE MASONRY BRIDGES	CY	527	80	59	149	127	64	80	1,086
502.1100	CONCRETE MASONRY SEAL	CY	———	———	———	101	———	———	———	101
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1,372	125	———	———	———	———	125	1,622
502.3210	PIGMENTED SURFACE SEALER	SY	213	20	———	———	———	———	20	253
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	1,281	———	———	———	———	———	———	1,281
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	3,870	6,040	5,090	3,950	———	18,950
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	109,140	13,730	1,530	80	80	1,550	13,730	139,840
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,040	———	———	———	———	———	———	2,040
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	6	12	12	6	———	36
506.4000	STEEL DIAPHRAGMS B-29-152	EACH	15	———	———	———	———	———	———	15
511.1200	TEMPORARY SHORING B-29-152	SF	———	———	375	———	———	375	———	750
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	14	———	———	14	———	28
550.0500	PILE POINTS	EACH	———	———	10	15	14	10	———	49
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	———	———	500	975	840	500	———	2,815
606.0300	RIPRAP HEAVY	CY	———	———	332	———	———	298	———	630
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	85	———	———	85	———	170
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	2	———	———	———	———	2	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	60	———	———	60	———	120
645.0120	GEOTEXTILE TYPE HR	SY	———	———	497	———	———	447	———	944
	NON-BID ITEMS		———	———	———	———	———	———	———	———
	FILLER	SIZE	———	———	———	———	———	———	———	½", ¾", 1½"

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

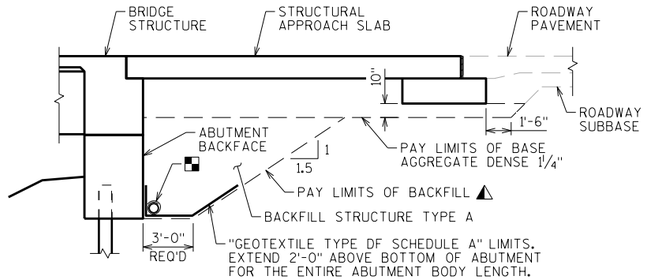
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CROSS SECTION & QUANTITIES

SHEET 2

890

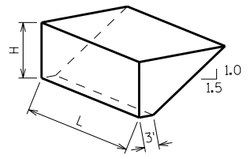
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TYPICAL SECTION THRU ABUTMENT

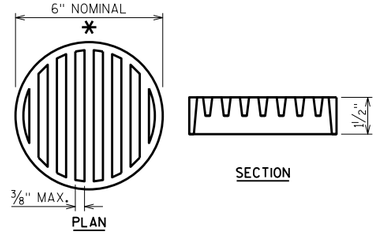
⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

GENERAL NOTES

STATE PROJECT NUMBER
1016-05-70

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-29-152" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS 2" SHEET.

THE EXISTING STREAM BED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

AT PIER 2, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

DRAWN BY MJH | PLANS CK'D. JLR

GENERAL NOTES & DETAILS

SHEET 3

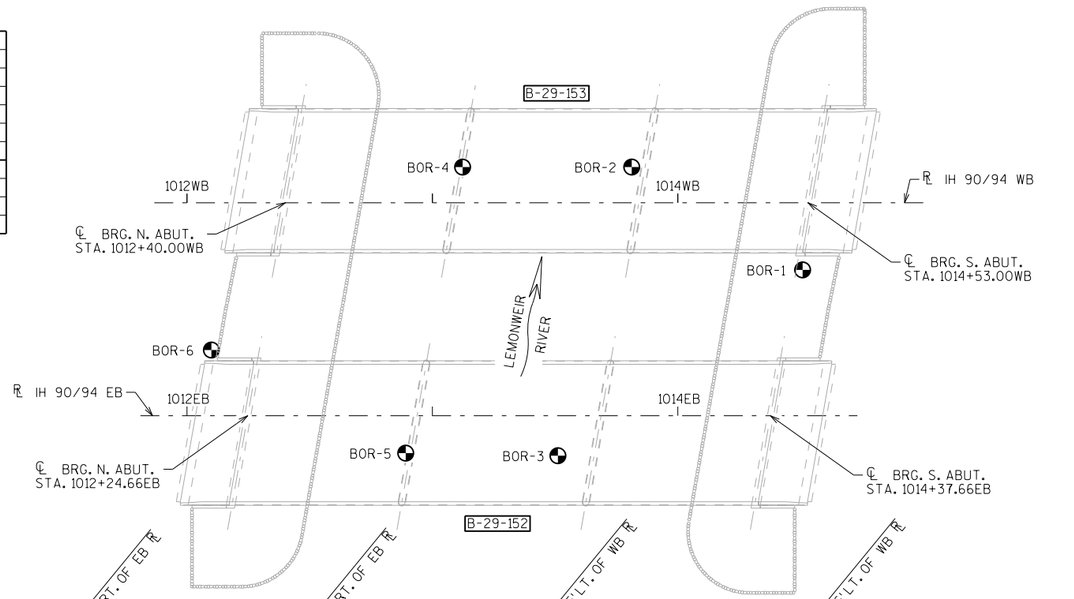
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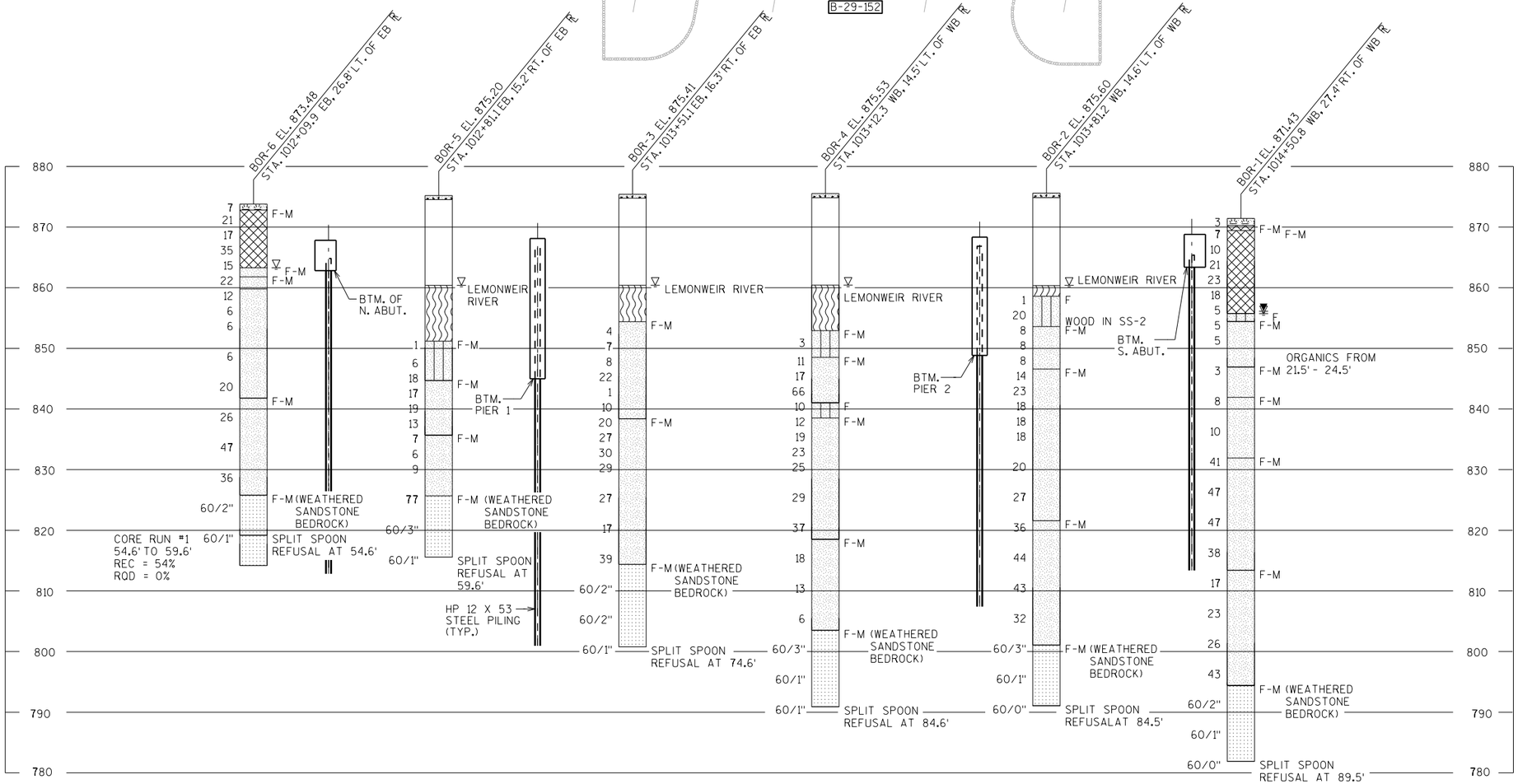
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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	3/31/2021	154113.88	469797.06
2	4/01/2021	154195.07	469793.45
3	3/31/2021	154155.06	469678.84
4	4/06/2021	154252.47	469755.32
5	3/30/2021	154207.30	469645.41
6	3/29/2021	154296.50	469636.60
BORINGS COMPLETED BY: AET			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





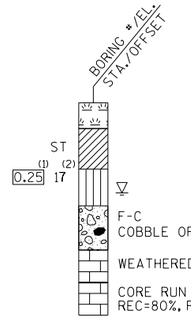
STATE PROJECT NUMBER

1016-05-70

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

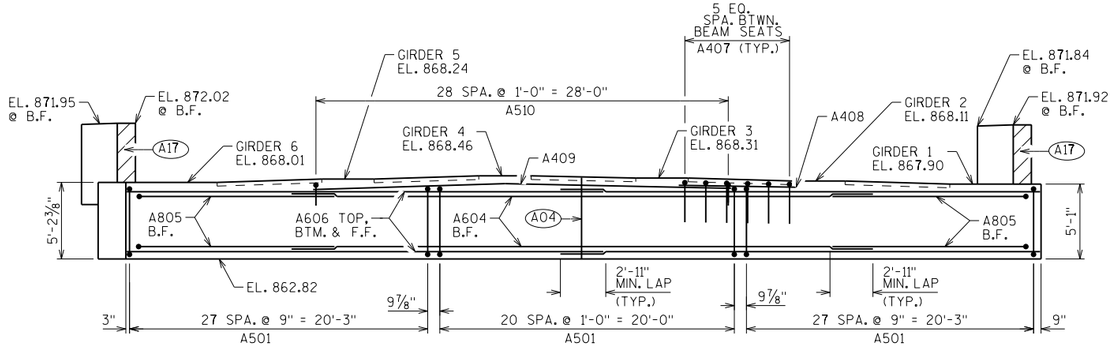
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SUBSURFACE EXPLORATION

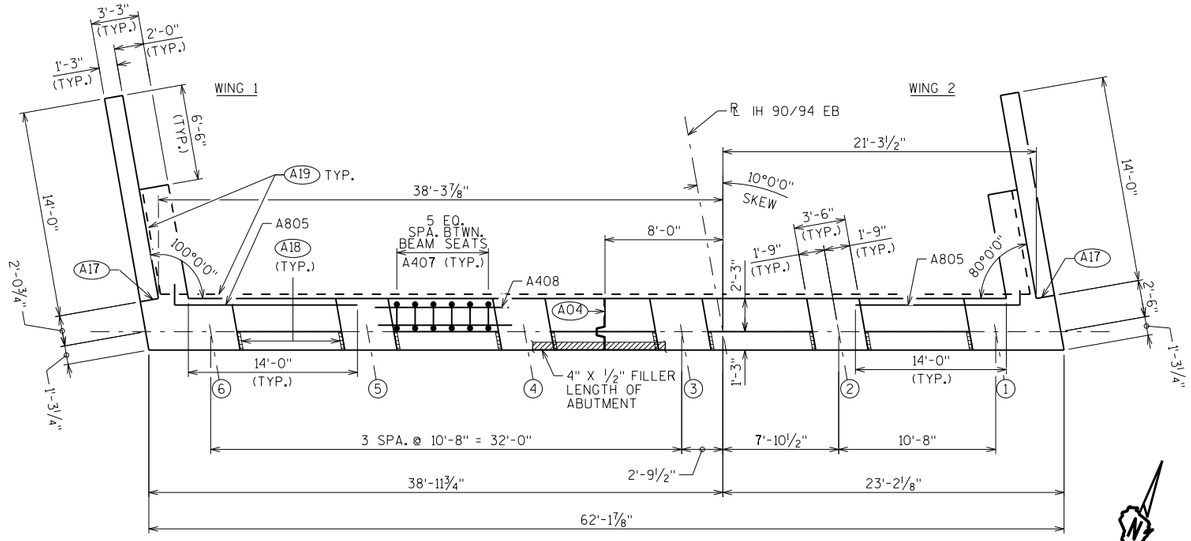
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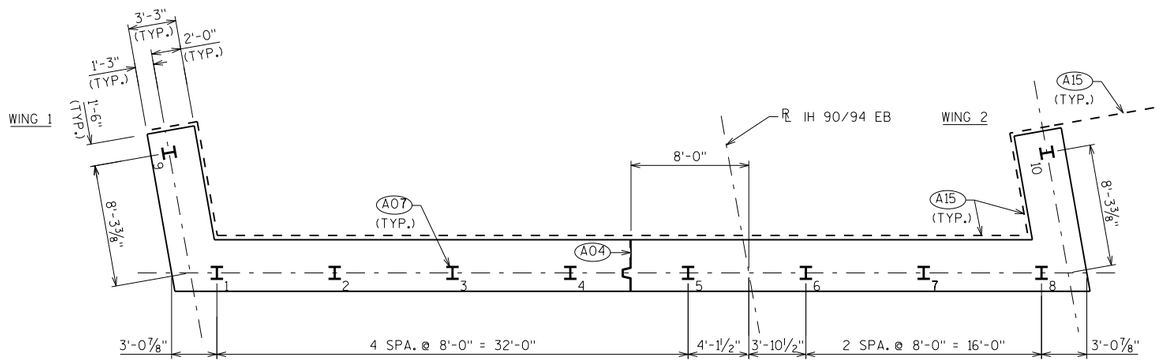
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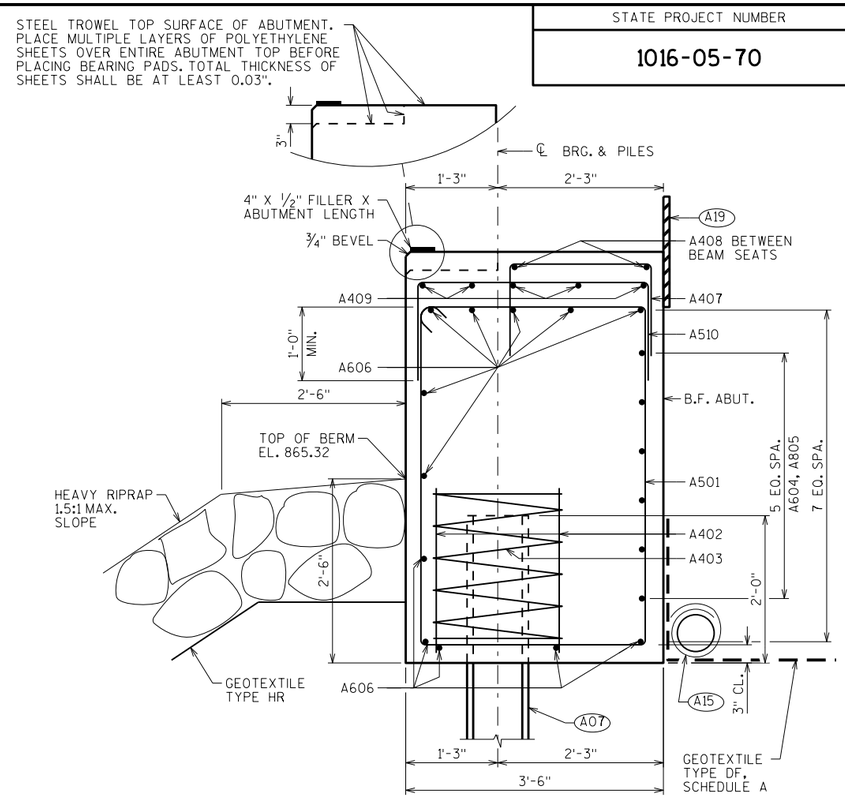
ELEVATION
LOOKING DOWNSTATION



PLAN



PILE PLAN



SECTION THRU BODY

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 X 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A07) SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING, ESTIMATED 50'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

STATE PROJECT NUMBER

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

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NORTH ABUTMENT

SHEET 5

893

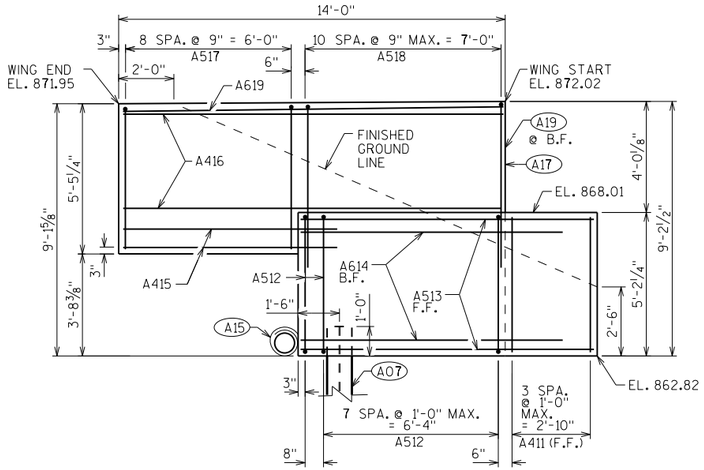
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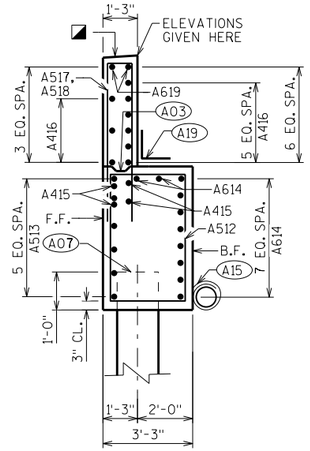
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STATE PROJECT NUMBER

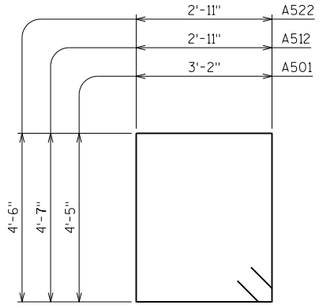
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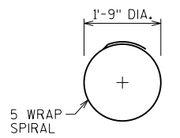
WING 1



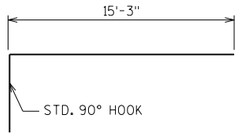
WING 1 SECTION



A501. A512, A522



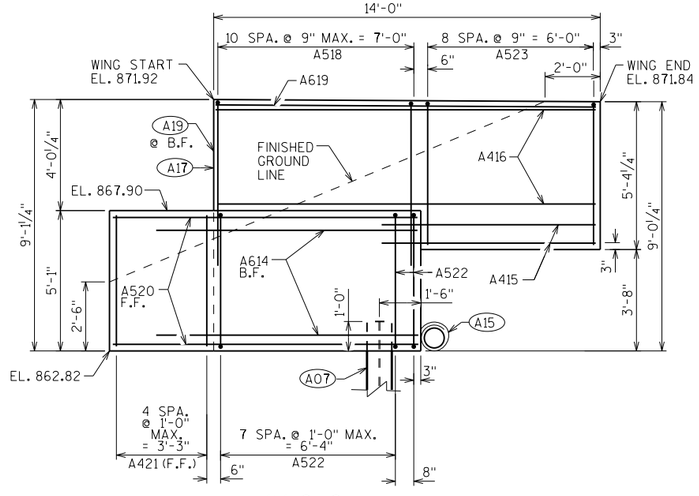
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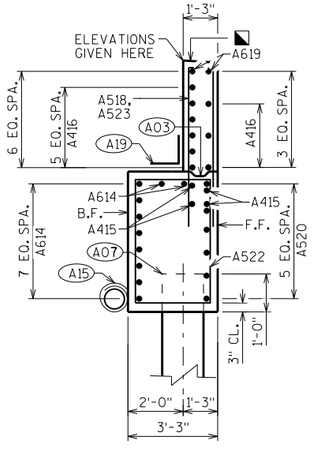
A805

BILL OF BARS

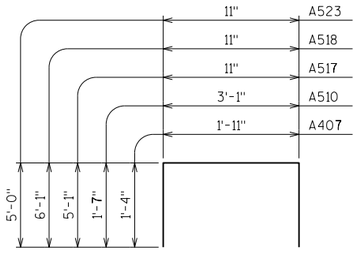
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		77	15'-10"	X		BODY-STIRRUPS
A402		16	2'-3"			BODY PILES - 2 PER BODY PILE
A403		8	28'-0"	X		BODY PILES - 1 PER BODY PILE
A604		6	33'-6"			BODY - HORIZONTAL - B.F. - MIDDLE
A805		12	16'-5"	X		BODY - HORIZONTAL - B.F.
A606		24	32'-5"			BODY - HORIZONTAL - TOP, BOT, & F.F.
A407		30	4'-5"	X		BODY - VERT. - TOP - BTWN. BEAM SEATS
A408		10	9'-2"			BODY - HORIZ. - TOP - BTWN. BEAM SEATS
A409		5	28'-4"			BODY - HORIZONTAL - TOP
A510		29	6'-0"	X		BODY - VERTICAL - TOP
A411	X	4	4'-10"			WING 1 - VERTICAL - END OF ABUTMENTS - F.F.
A512	X	9	15'-8"	X		WING 1 - STIRRUP - LOWER WING
A513	X	6	10'-6"			WING 1 - HORIZONTAL - F.F. - LOWER WING
A614	X	20	9'-9"			WINGS - HORIZONTAL - B.F. - LOWER WING
A415	X	8	7'-9"			WINGS - HORIZONTAL - UPPER/LOWER WING
A416	X	18	13'-8"			WINGS - HORIZONTAL - UPPER WING
A517	X	9	10'-10"	X		WING 1 - VERTICAL - UPPER WING
A518	X	22	12'-10"	X		WINGS - VERTICAL - UPPER WING
A619	X	4	13'-8"			WINGS - HORIZONTAL - UPPER WING - TOP
A520	X	6	10'-11"			WING 2 - HORIZONTAL - F.F. - LOWER WING
A421	X	5	4'-9"			WING 2 - VERTICAL - END OF ABUTMENTS - F.F.
A522	X	9	15'-6"	X		WING 2 - STIRRUP - LOWER WING
A523	X	9	10'-8"	X		WING 2 - VERTICAL - UPPER WING



WING 2



WING 2 SECTION



A407, A510, A517, A518, A523

A03 OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

A07 SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING, ESTIMATED 50'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

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A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

◪ FINISH SMOOTH - SLOPE TO DRAIN

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

DRAWN BY MJH | PLANS CK'D. JLR

NORTH ABUTMENT DETAILS

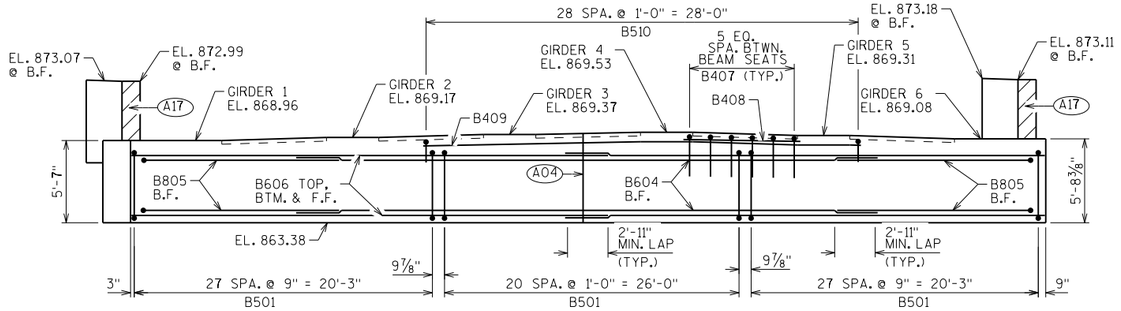
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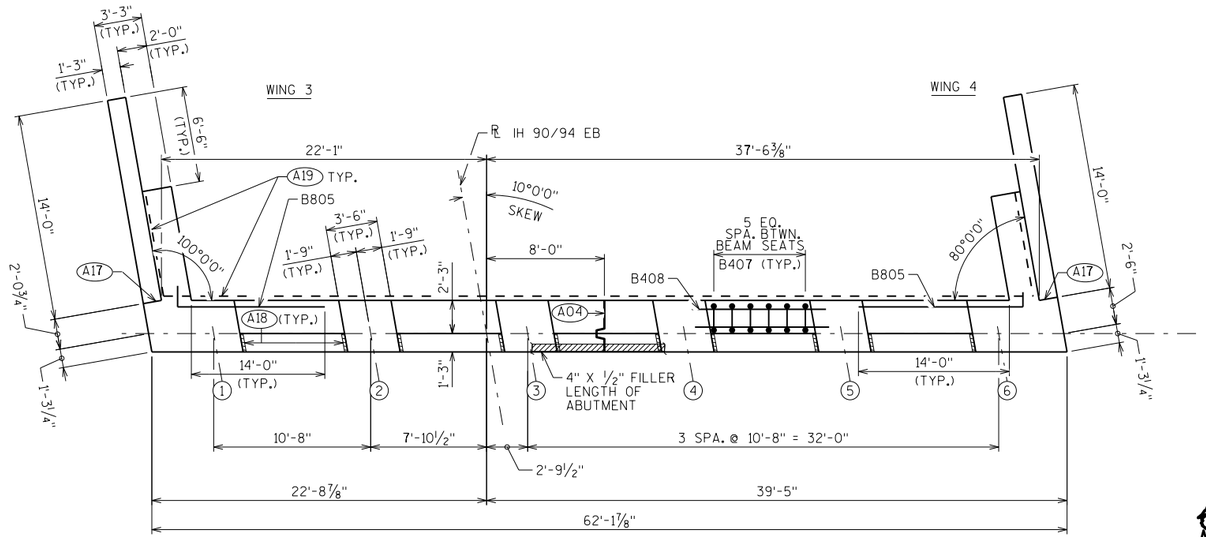
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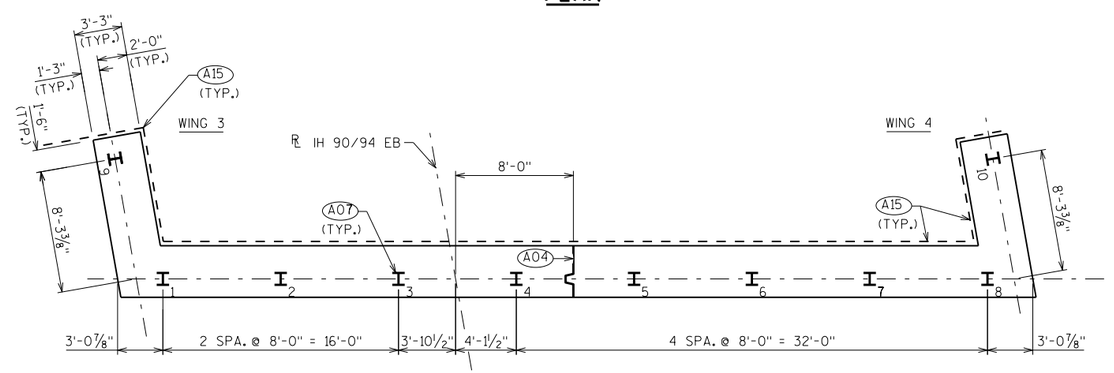
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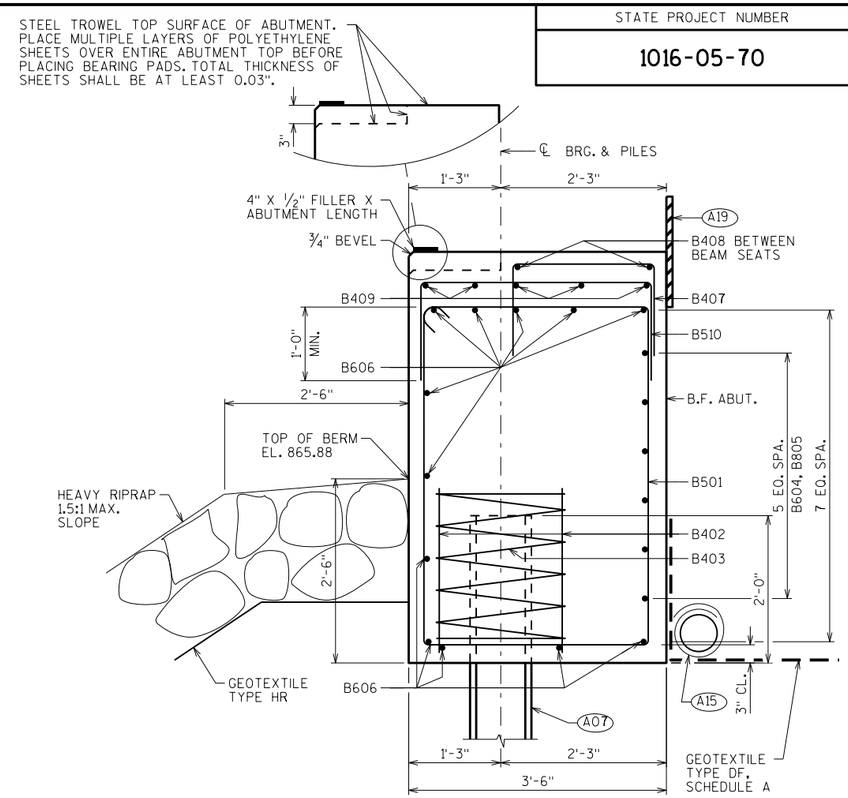
ELEVATION
LOOKING UPSTATION



PLAN



PILE PLAN



SECTION THRU BODY

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 X 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

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STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

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SOUTH ABUTMENT

SHEET 7

895

STATE PROJECT NUMBER

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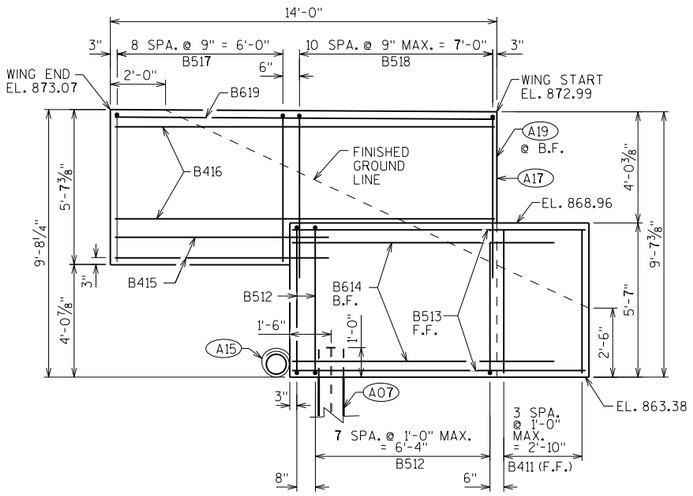
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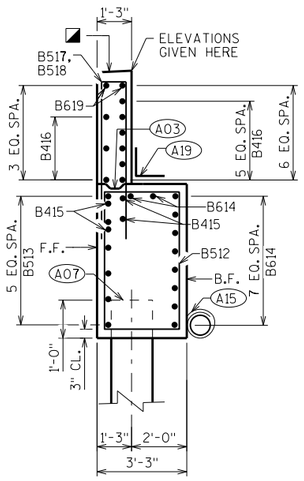
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STATE PROJECT NUMBER

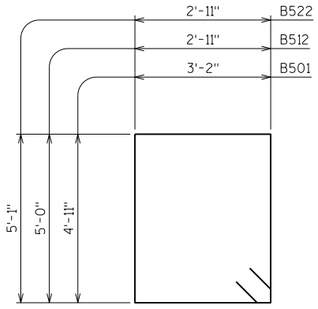
1016-05-70



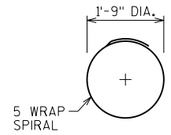
WING 3



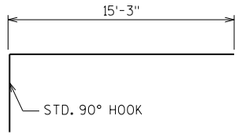
WING 3 SECTION



B501. B512, B522



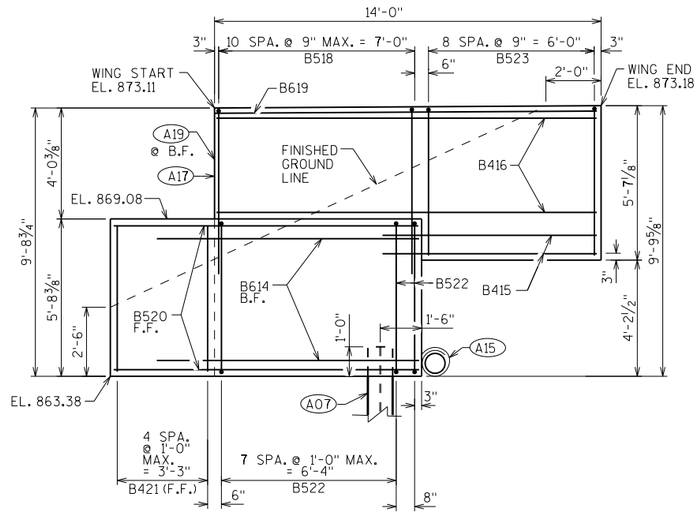
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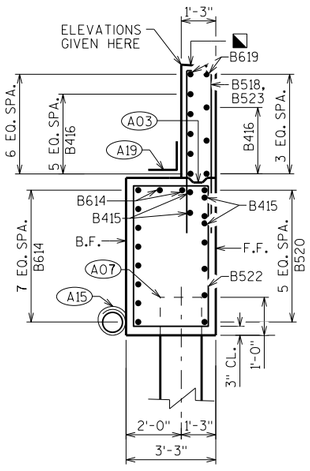
B805

BILL OF BARS

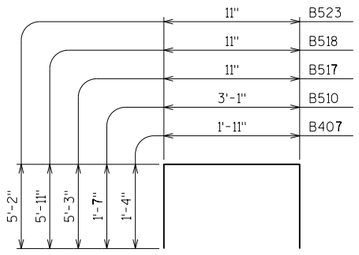
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		77	16'-10"	X		BODY-STIRRUPS
B402		16	2'-3"			BODY PILES - 2 PER BODY PILE
B403		8	28'-0"	X		BODY PILES - 1 PER BODY PILE
B604		6	33'-6"			BODY - HORIZONTAL - B.F. - MIDDLE
B805		12	16'-5"	X		BODY - HORIZONTAL - B.F.
B606		24	32'-5"			BODY - HORIZONTAL - TOP, BOT, & F.F.
B407		30	4'-5"	X		BODY - VERT. - TOP - BTWN. BEAM SEATS
B408		10	9'-2"			BODY - HORIZ. - TOP - BTWN. BEAM SEATS
B409		5	28'-4"			BODY - HORIZONTAL - TOP
B510		29	6'-0"	X		BODY - VERTICAL
B411	X	4	5'-3"			WING 3 - VERTICAL - END OF ABUTMENTS - F.F.
B512	X	9	16'-6"	X		WING 3 - STIRRUP - LOWER WING
B513	X	6	10'-6"			WING 3 - HORIZONTAL - F.F. - LOWER WING
B614	X	20	9'-9"			WINGS - HORIZONTAL - B.F. - LOWER WING
B415	X	8	7'-9"			WINGS - HORIZONTAL - UPPER/LOWER WING
B416	X	18	13'-8"			WINGS - HORIZONTAL - UPPER WING
B517	X	9	11'-2"	X		WING 3 - VERTICAL - UPPER WING
B518	X	22	12'-6"	X		WINGS - VERTICAL - UPPER WING
B619	X	4	13'-8"			WINGS - HORIZONTAL - UPPER WING - TOP
B520	X	6	10'-11"			WING 4 - HORIZONTAL - F.F. - LOWER WING
B421	X	5	5'-4"			WING 4 - VERTICAL - END OF ABUTMENTS - F.F.
B522	X	9	16'-8"	X		WING 4 - STIRRUP - LOWER WING
B523	X	9	11'-0"	X		WING 4 - VERTICAL - UPPER WING



WING 4



WING 4 SECTION



B407, B510, B517, B518, B523

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A07) SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING. ESTIMATED 50'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

◪ FINISH SMOOTH - SLOPE TO DRAIN

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STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

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SOUTH ABUTMENT DETAILS

SHEET 8

896

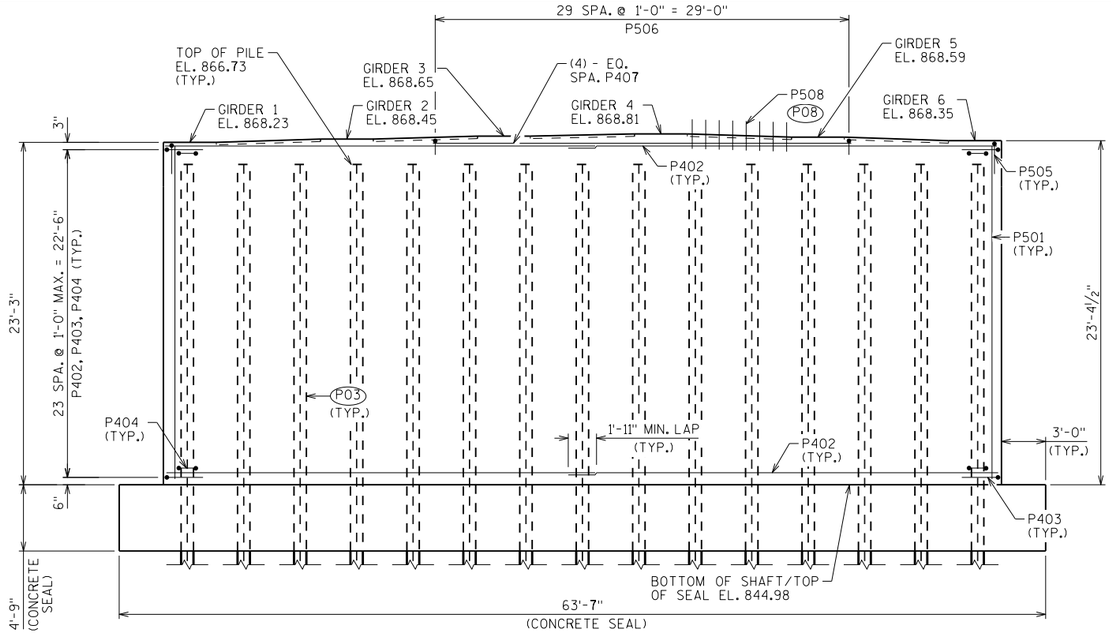
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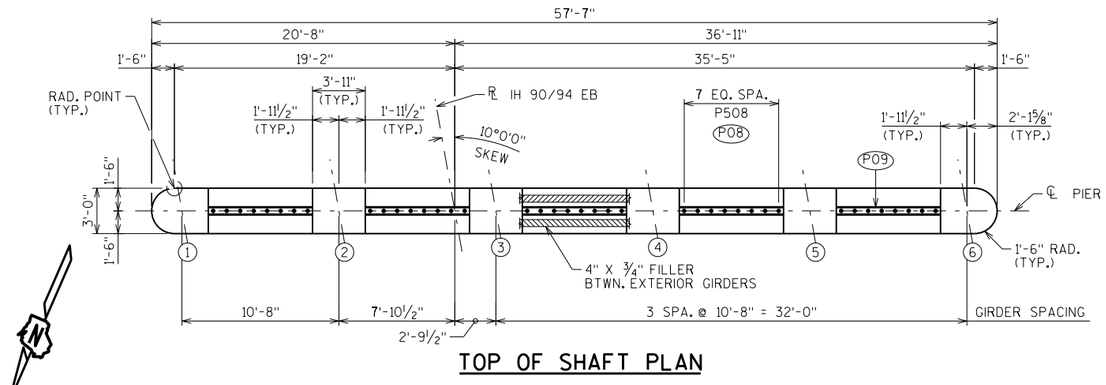
STATE PROJECT NUMBER

1016-05-70

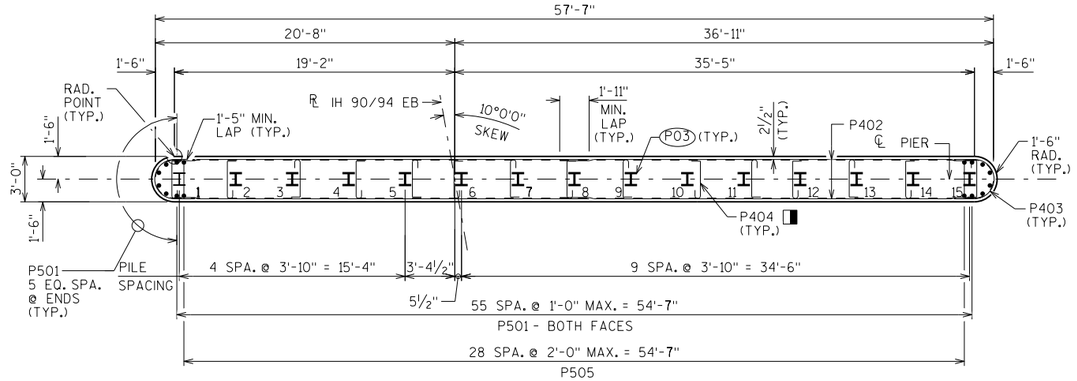


ELEVATION

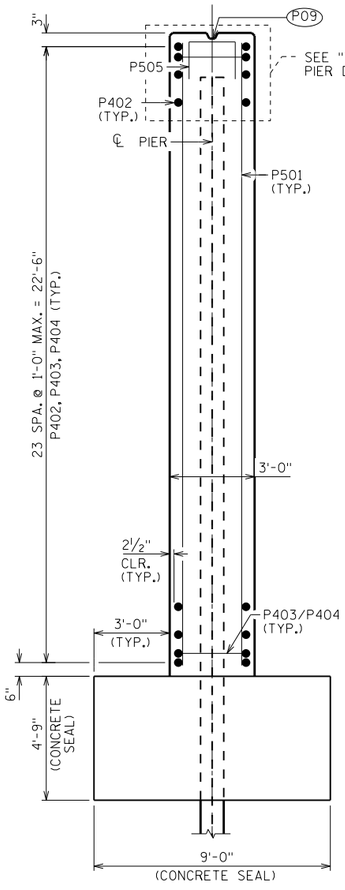
LOOKING UPSTATION



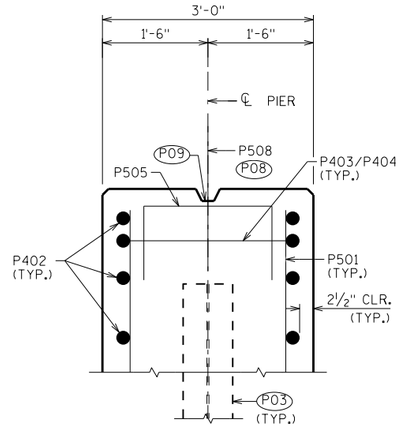
TOP OF SHAFT PLAN



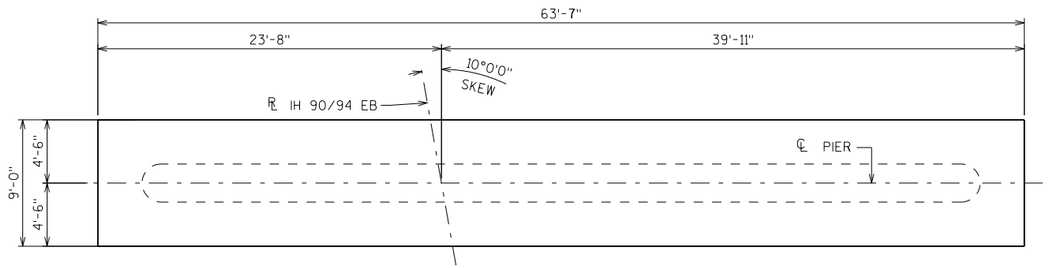
PILE & SHAFT PLAN



END VIEW



TOP OF PIER DETAIL



CONCRETE SEAL PLAN

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

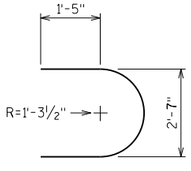
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P501		120	22'-6"			SHAFT-VERT.
P402		96	28'-3"			SHAFT-HORIZ.-BOTH FACES
P403		48	6'-9"	X		SHAFT-HORIZ. ENDS
P404		360	3'-5"	X		SHAFT-HORIZ. TIE BARS AT PILES
P505		29	4'-3"	X		SHAFT-VERT. TOP - U-BARS
P506		30	5'-6"	X		VERT.-TOP-U-BARS
P407		4	29'-4"			HORIZ.-TOP
P508	X	40	2'-0"			VERT.-TOP-DOWELS

◨ PLACE ADJACENT TO EACH PILE ONLY. TIE TO NEAREST VERT. #5 BAR. ALTERNATE THE POSITION OF THE 90° AND 180° HOOKS AT EACH VERTICAL LAYER.

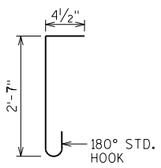
(P03) SUPPORT PIER ON HP 12 X 53 STEEL PILING, ESTIMATED 65'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

(P08) P508 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

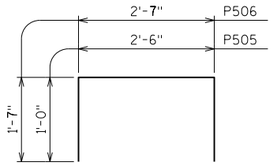
(P09) KEYED CONST. JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.



P403



P404



P505, P506

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

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PIER 1

SHEET 9

897

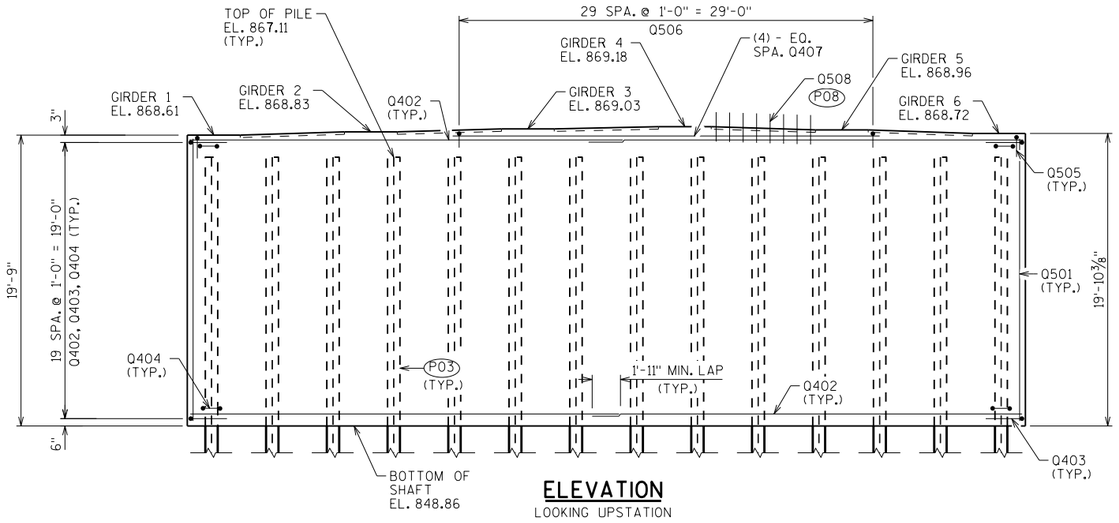
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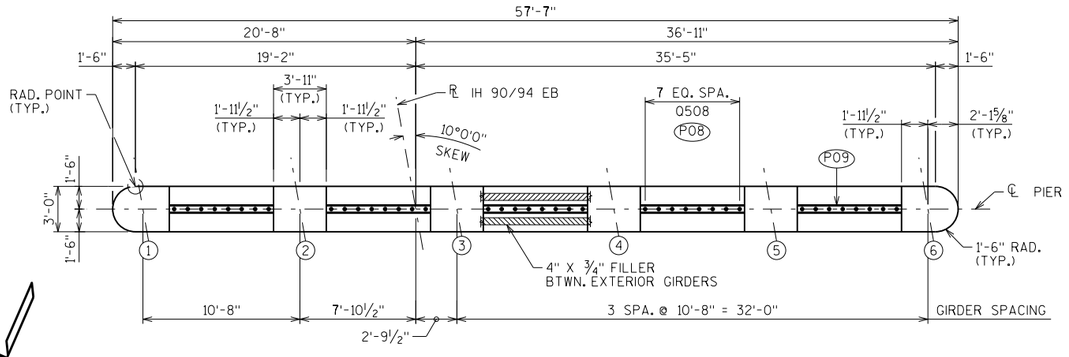
STATE PROJECT NUMBER

1016-05-70

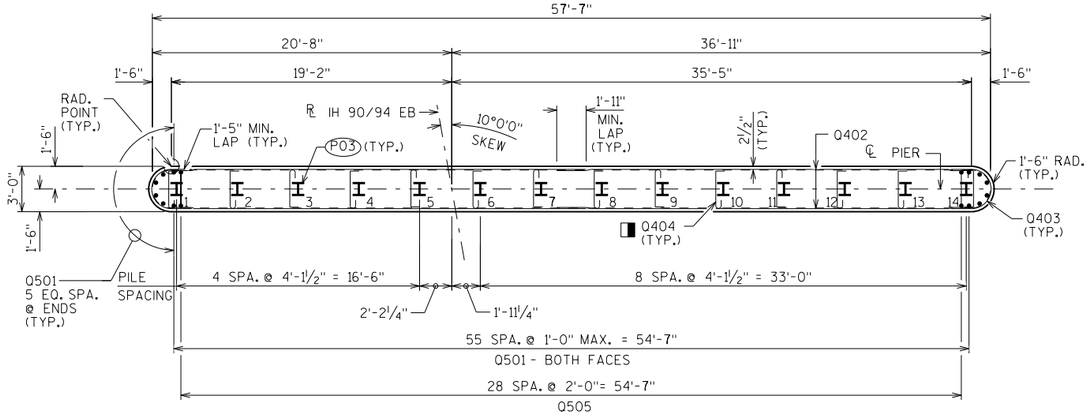


ELEVATION

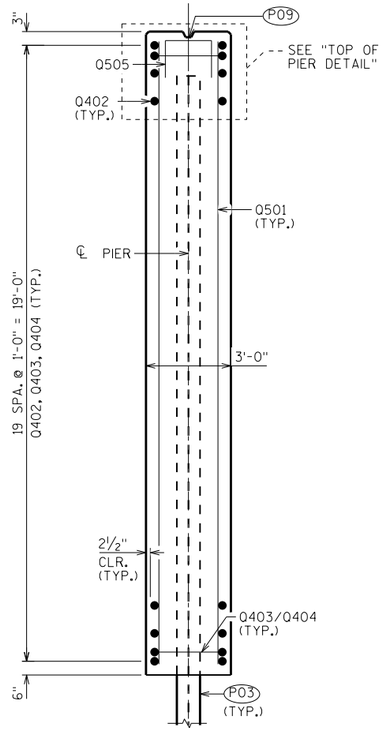
LOOKING UPSTATION



TOP OF SHAFT PLAN



PILE & SHAFT PLAN

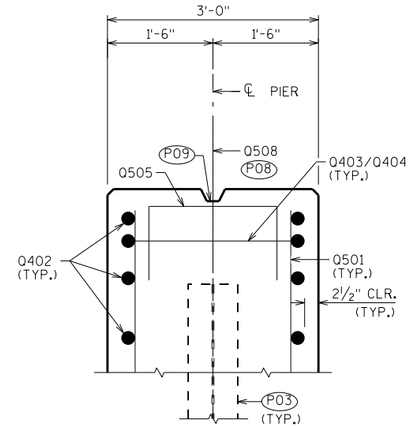


END VIEW

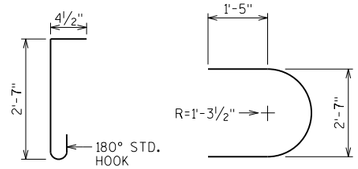
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

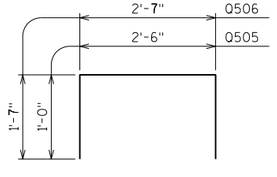
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
0501		120	19'-0"			SHAFT-VERT.
0402		80	28'-3"			SHAFT- HORIZ. BOTH FACES
0403		40	6'-9"	X		SHAFT-HORIZ. ENDS
0404		280	3'-5"	X		SHAFT-HORIZ. TIE BARS AT PILES
0505		29	4'-3"	X		SHAFT-VERT. TOP - U-BARS
0506		30	5'-6"	X		VERT.-TOP-U-BARS
0407		4	29'-4"			HORIZ.-TOP
0508	X	40	2'-0"			VERT.-TOP-DOWELS



TOP OF PIER DETAIL



Q404 Q403



Q505, Q506

◨ PLACE ADJACENT TO EACH PILE ONLY. TIE TO NEAREST VERT. #5 BAR. ALTERNATE THE POSITION OF THE 90° AND 180° HOOKS AT EACH VERTICAL LAYER.

(P03) SUPPORT PIER ON HP 12 X 53 STEEL PILING, ESTIMATED 60'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

(P08) Q508 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONST. JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

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STRUCTURE B-29-152

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PIER 2

SHEET 10

898

SCALE = 5.00

8

8

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NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

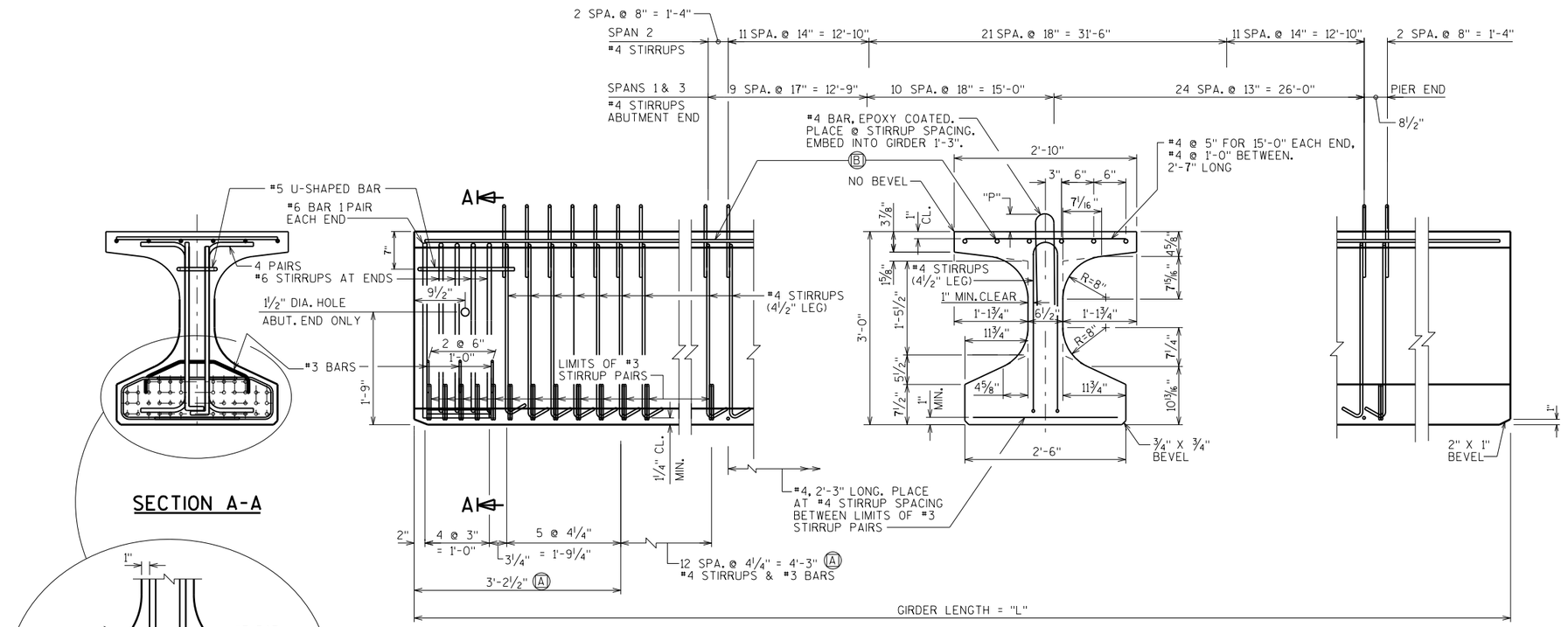
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

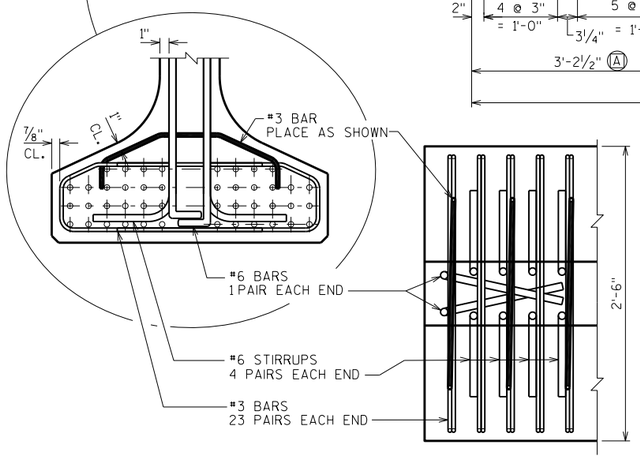
AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

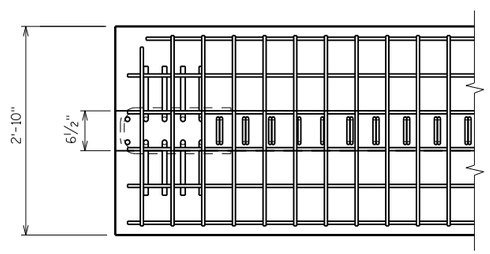
FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" & "STEEL DIAPHRAGM LOCATIONS" SHEETS.



SECTION A-A



BOTTOM FLANGE

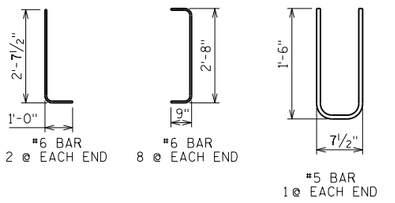


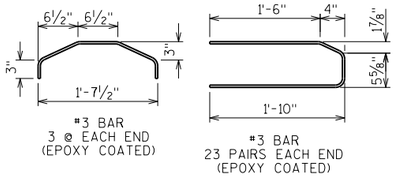
TOP FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"





GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	1 & 6	69.38	0.28	0.52	0.72	0.84	0.88	0.83	0.71	0.52	0.27	8,000	7.0	7.0	7.0	0.6	22	6,400	32.0	11.0	14.0	4.0		
1	2-5	69.38	0.33	0.63	0.86	1.01	1.05	1.00	0.85	0.62	0.33	8,000	7.0	7.0	7.0	0.6	22	6,400	32.0	11.0	14.0	4.0		
2	1 & 6	74.75	0.37	0.71	0.97	1.14	1.20	1.14	0.97	0.71	0.37	8,000	7.0	7.0	7.0	0.6	24	6,400	32.0	11.0	14.0	4.0		
2	2-5	74.75	0.45	0.86	1.17	1.38	1.45	1.38	1.17	0.86	0.45	8,000	7.0	7.0	7.0	0.6	24	6,400	32.0	11.0	14.0	4.0		
3	1 & 6	69.38	0.27	0.52	0.71	0.83	0.88	0.84	0.72	0.52	0.28	8,000	7.0	7.0	7.0	0.6	22	6,400	32.0	11.0	14.0	4.0		
3	2-5	69.38	0.33	0.62	0.85	1.00	1.05	1.01	0.86	0.63	0.33	8,000	7.0	7.0	7.0	0.6	22	6,400	32.0	11.0	14.0	4.0		

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

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36W" PRESTRESSED GIRDER DETAILS 1

SHEET 11

899

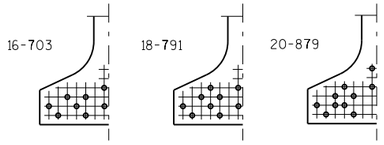
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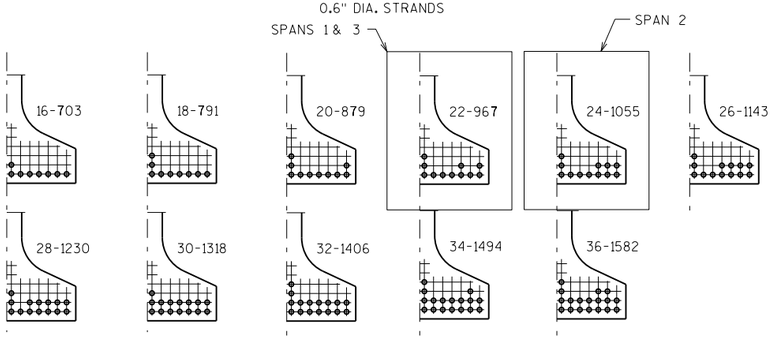
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STATE PROJECT NUMBER

1016-05-70

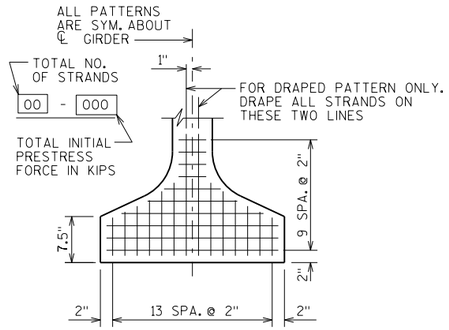


STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

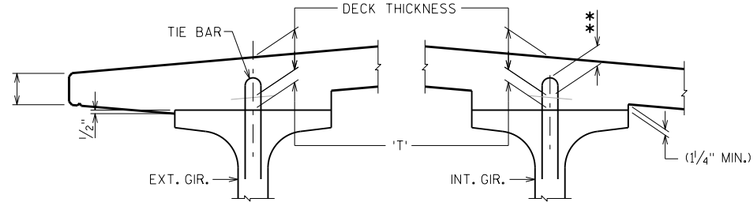


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

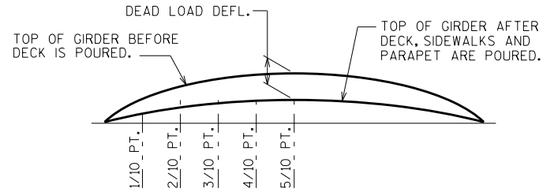
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

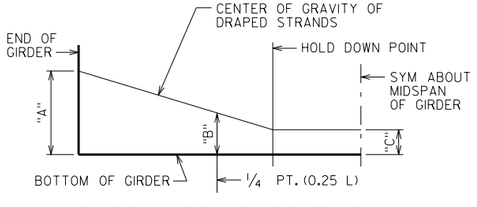
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 2¾" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	1.78
2	2.17
3	1.78

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

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36W" PRESTRESSED GIRDER DETAILS 2

SHEET 12

900

SCALE = 1.00

8

8

STATE PROJECT NUMBER

1016-05-70

NOTES

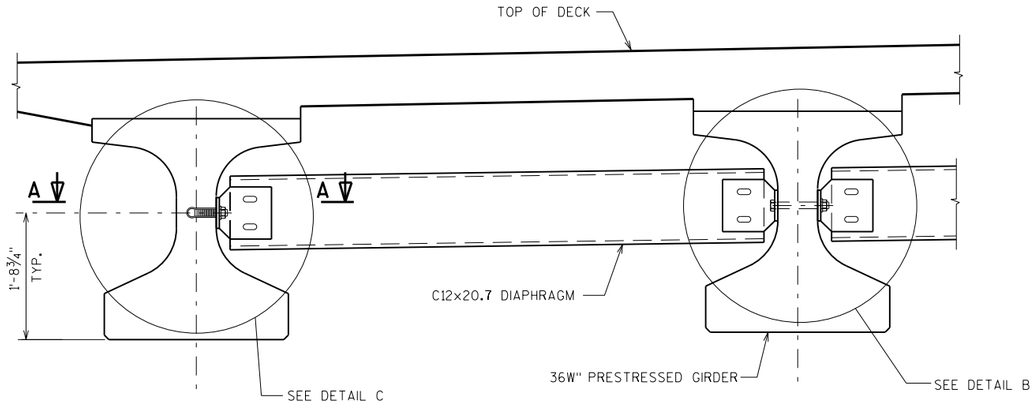
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-29-152", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

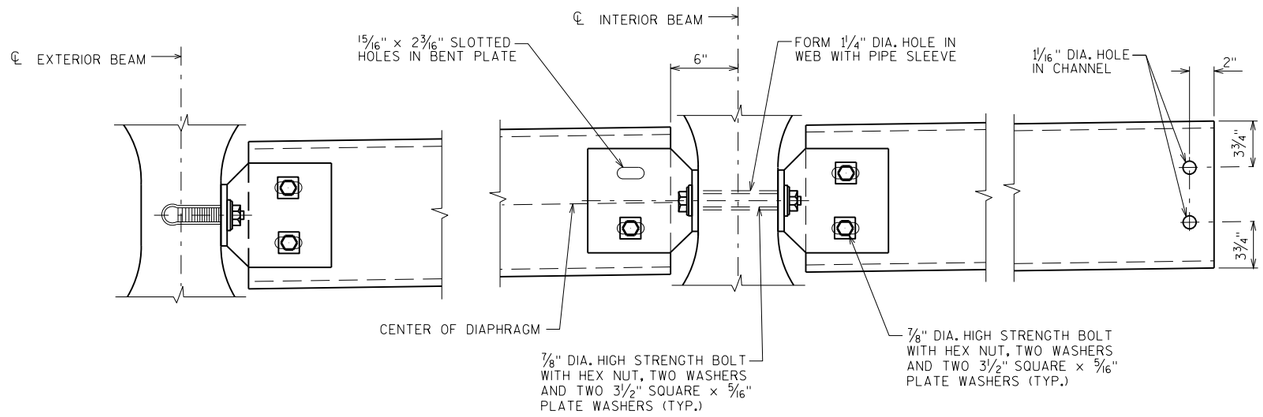
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

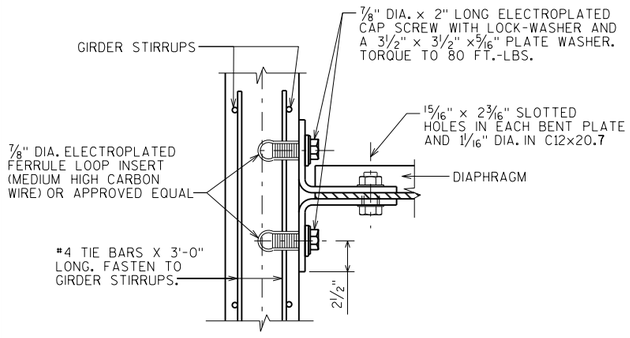


PART TRANSVERSE SECTION AT DIAPHRAGM

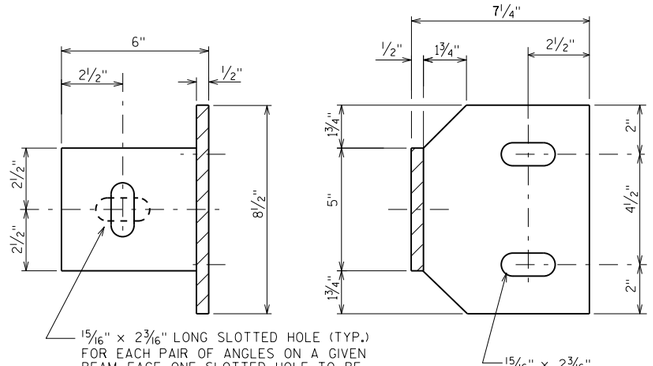


DETAIL C

DETAIL B

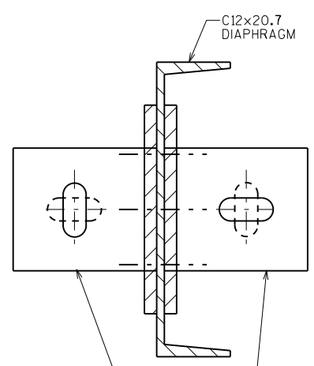


SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE

DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

DRAWN BY MJH | PLANS CK'D. JLR

STEEL DIAPHRAGM

SHEET 13

901

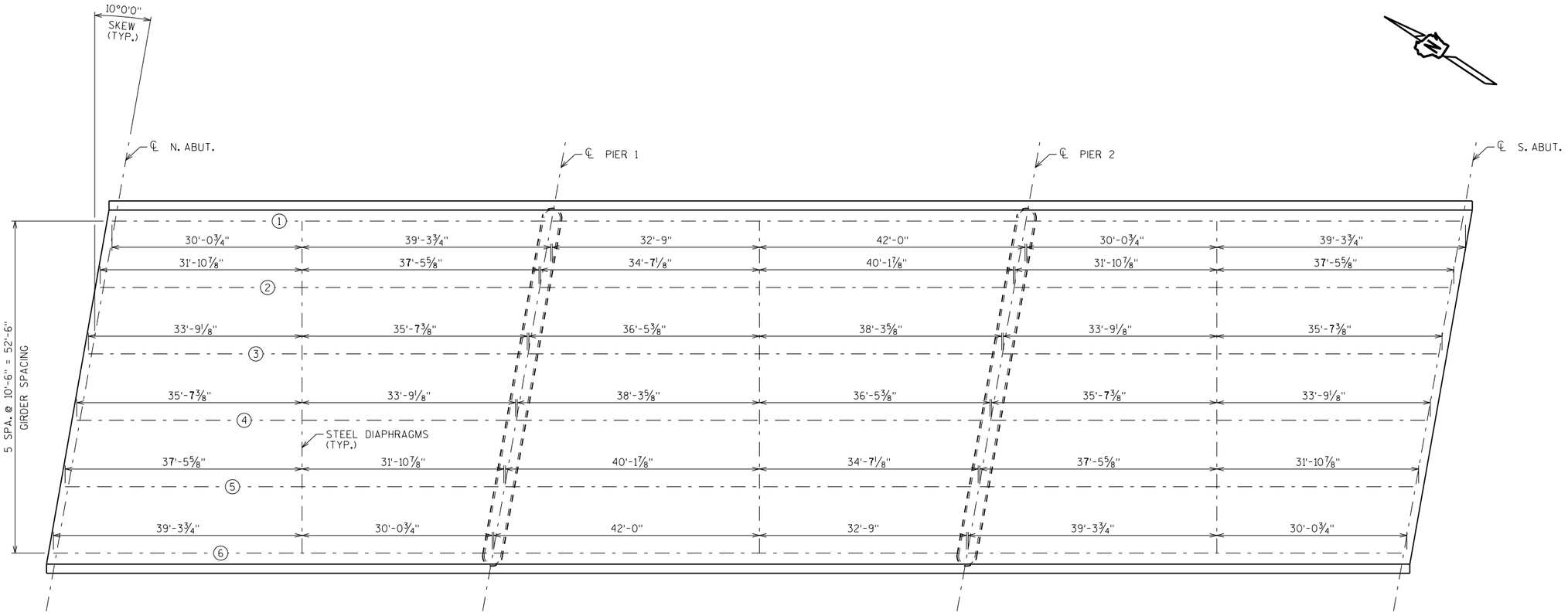
8

8

SCALE = 1.00

STATE PROJECT NUMBER

1016-05-70



STEEL DIAPHRAGM LOCATIONS

DIMENSIONS FROM ENDS OF GIRDERS

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

DRAWN BY MJH | PLANS CK'D. JLR

STEEL DIAPHRAGM LOCATIONS

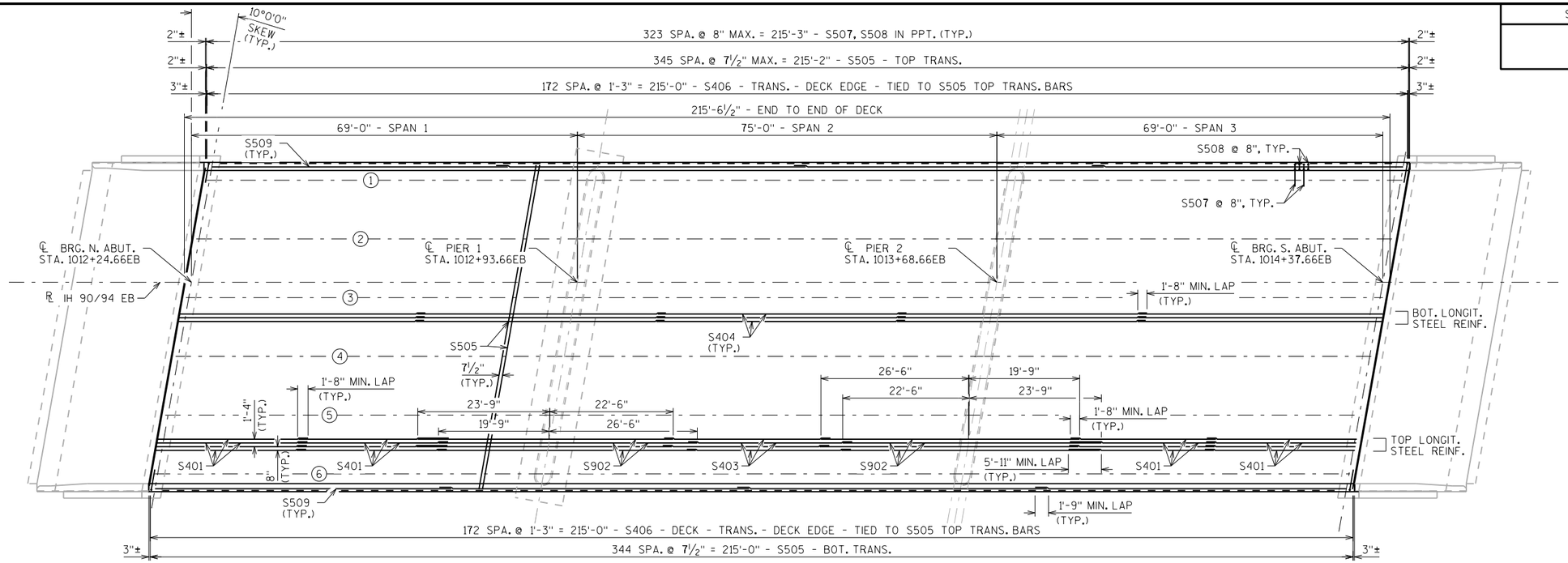
SHEET 14

902

SCALE = 9.00

STATE PROJECT NUMBER

1016-05-70



PLAN

TOP OF DECK ELEVATIONS

	SPAN 1										
	℄ N. ABUT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ PIER 1
E. EOD	871.92	871.96	871.99	872.03	872.06	872.09	872.13	872.16	872.20	872.23	872.27
GIRDER 1	871.95	871.99	872.02	872.06	872.09	872.13	872.16	872.20	872.23	872.26	872.30
GIRDER 2	872.16	872.19	872.22	872.26	872.29	872.33	872.36	872.40	872.43	872.47	872.50
GIRDER 3	872.36	872.39	872.42	872.46	872.49	872.53	872.56	872.60	872.63	872.67	872.70
CROWN	872.53	872.57	872.60	872.64	872.67	872.71	872.74	872.77	872.81	872.84	872.88
GIRDER 4	872.51	872.54	872.58	872.61	872.64	872.68	872.71	872.75	872.78	872.82	872.85
GIRDER 5	872.29	872.32	872.36	872.39	872.43	872.46	872.49	872.53	872.56	872.60	872.63
GIRDER 6	872.07	872.10	872.14	872.17	872.21	872.24	872.28	872.31	872.34	872.38	872.41
W. EOD	872.03	872.06	872.10	872.13	872.17	872.20	872.24	872.27	872.31	872.34	872.38

	SPAN 2										
	℄ PIER 1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ PIER 2
E. EOD	872.27	872.30	872.34	872.38	872.42	872.45	872.49	872.53	872.57	872.60	872.64
GIRDER 1	872.30	872.34	872.37	872.41	872.45	872.49	872.52	872.56	872.60	872.64	872.67
GIRDER 2	872.50	872.54	872.58	872.61	872.65	872.69	872.73	872.76	872.80	872.84	872.88
GIRDER 3	872.70	872.74	872.78	872.81	872.85	872.89	872.93	872.96	873.00	873.04	873.08
CROWN	872.88	872.92	872.95	872.99	873.03	873.07	873.10	873.14	873.18	873.22	873.25
GIRDER 4	872.85	872.89	872.93	872.96	873.00	873.04	873.08	873.11	873.15	873.19	873.23
GIRDER 5	872.63	872.67	872.71	872.74	872.78	872.82	872.86	872.89	872.93	872.97	873.01
GIRDER 6	872.41	872.45	872.49	872.53	872.56	872.60	872.64	872.68	872.71	872.75	872.79
W. EOD	872.38	872.41	872.45	872.49	872.53	872.56	872.60	872.64	872.68	872.71	872.75

	SPAN 3										
	℄ PIER 2	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ S. ABUT.
E. EOD	872.64	872.68	872.71	872.75	872.78	872.81	872.85	872.88	872.92	872.95	872.99
GIRDER 1	872.67	872.71	872.74	872.78	872.81	872.85	872.88	872.92	872.95	872.98	873.02
GIRDER 2	872.88	872.91	872.94	872.98	873.01	873.05	873.08	873.12	873.15	873.19	873.22
GIRDER 3	873.08	873.11	873.14	873.18	873.21	873.25	873.28	873.32	873.35	873.39	873.42
CROWN	873.25	873.29	873.32	873.36	873.39	873.43	873.46	873.49	873.53	873.56	873.60
GIRDER 4	873.23	873.26	873.30	873.33	873.36	873.40	873.43	873.47	873.50	873.54	873.57
GIRDER 5	873.01	873.04	873.08	873.11	873.15	873.18	873.21	873.25	873.28	873.32	873.35
GIRDER 6	872.79	872.82	872.86	872.89	872.93	872.96	873.00	873.03	873.06	873.10	873.13
W. EOD	872.75	872.78	872.82	872.85	872.89	872.92	872.96	872.99	873.03	873.06	873.10

8

8

◯ INDICATES GIRDER NUMBER

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

DRAWN BY MJH | PLANS CK'D. JLR

SUPERSTRUCTURE DETAILS 1

SHEET 15

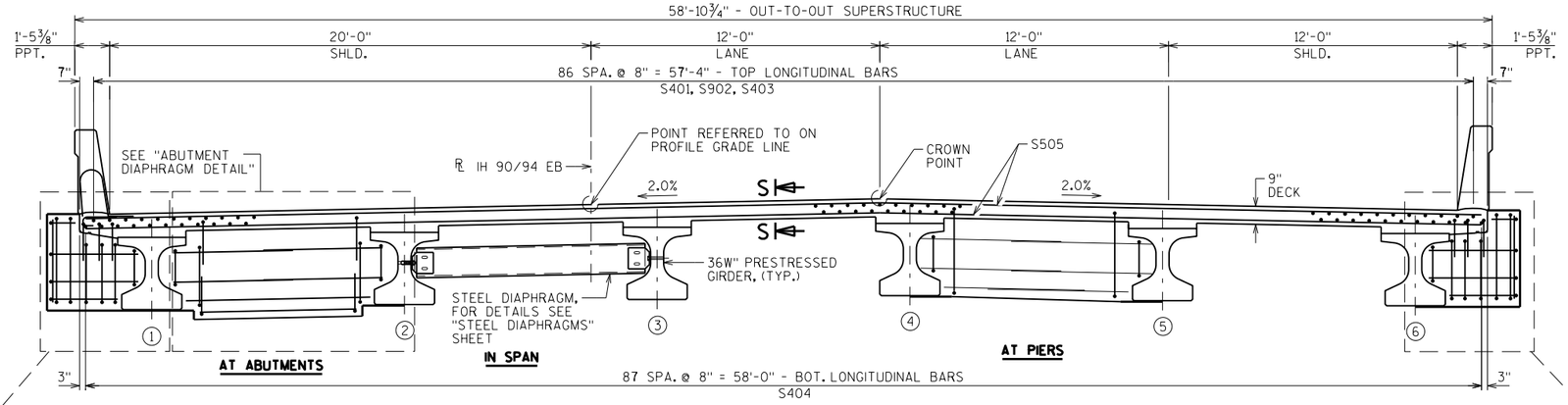
903

SCALE = 10.67

STATE PROJECT NUMBER

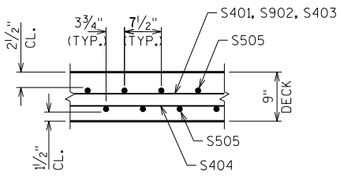
1016-05-70

○ INDICATES GIRDER NUMBER

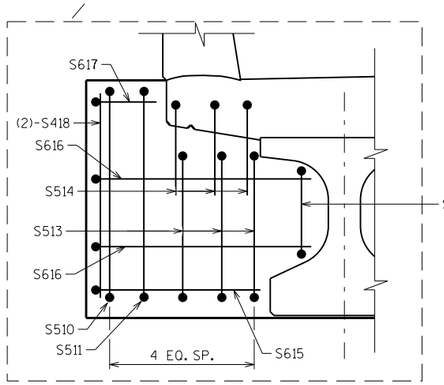


CROSS SECTION THRU ROADWAY

LOOKING UPSTATION

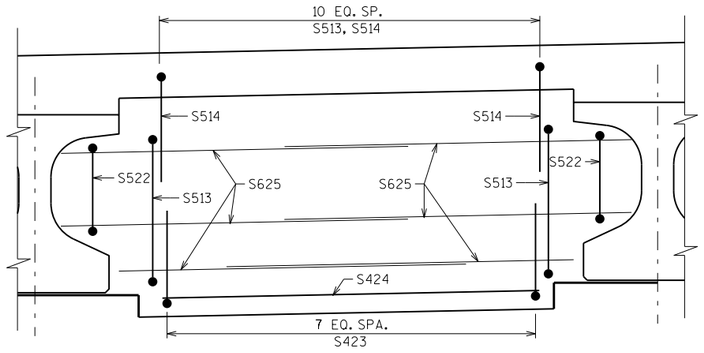


SECTION S-S

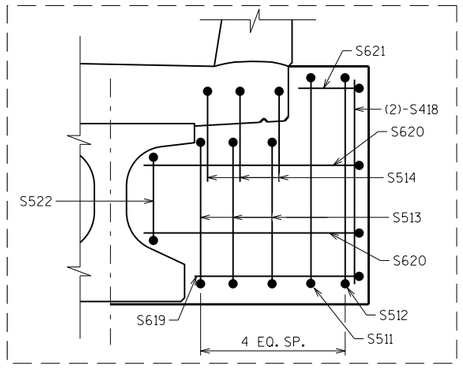


ABUTMENT END DIAPHRAGM DETAIL

(TYP. AT WINGS 1 & 3)

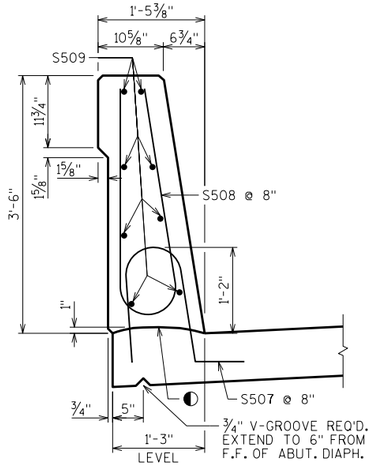


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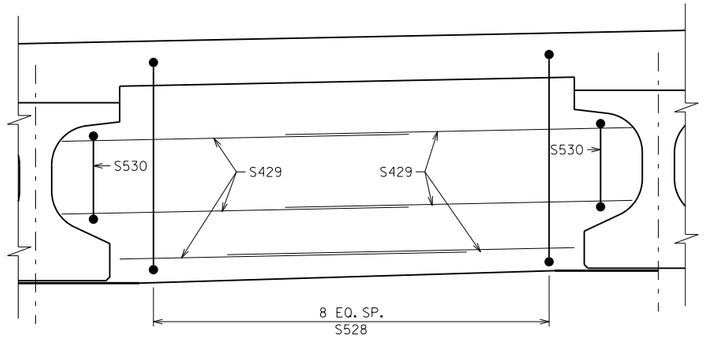


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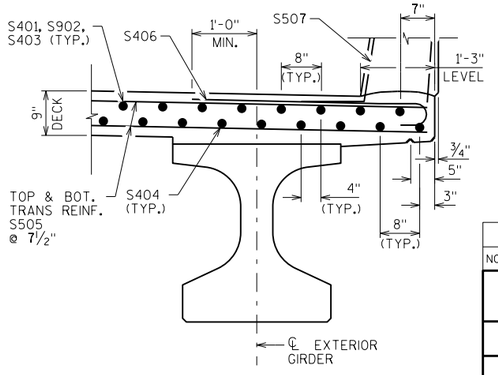
(TYP. AT WINGS 2 & 4)



SECTION THRU PARAPET ON DECK



PIER DIAPHRAGM DETAIL



EDGE OF DECK DETAIL

(TYP. AT BOTH EDGES)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

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SUPERSTRUCTURE DETAILS 2

SHEET 16

904

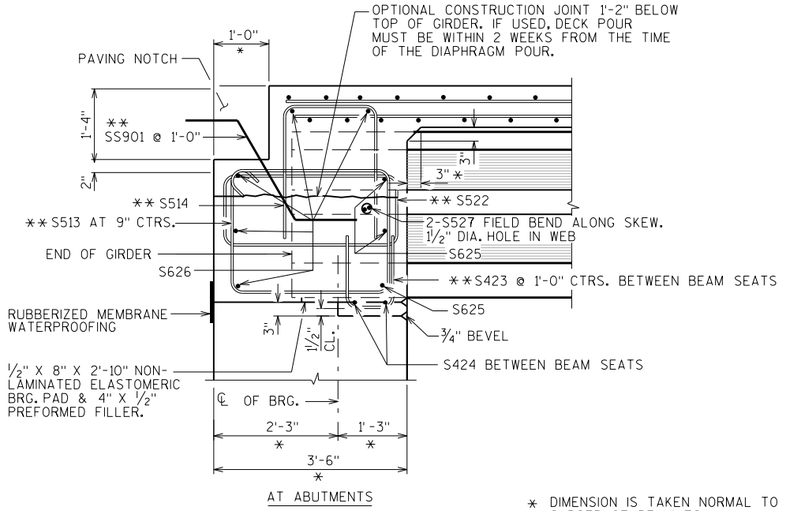
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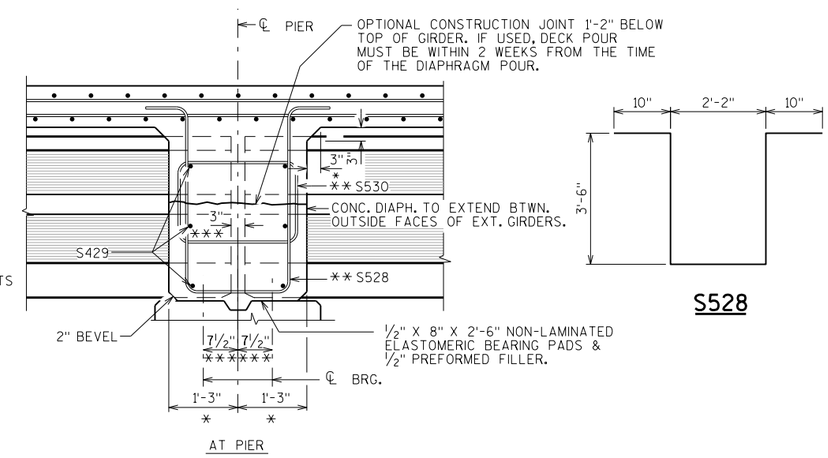
8

8

STATE PROJECT NUMBER

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S528

PART LONGIT. SECTION

* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

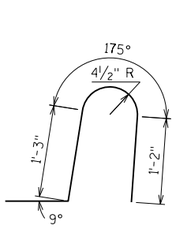
** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

*** DIMENSION IS TAKEN PARALLEL TO ℄ GIRDERS

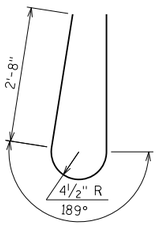
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

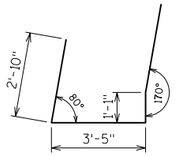
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	348	26'-11"			DECK - LONG. - TOP
S902	X	174	46'-3"			DECK - LONG. - TOP
S403	X	87	29'-4"			DECK - LONG. - TOP
S404	X	440	44'-10"			DECK - LONG. - BOT.
S505	X	691	59'-1"			DECK - TRANS. - TOP & BOT.
S406	X	346	4'-5"	X		DECK - TRANS. - DECK EDGE
S507	X	648	4'-5"	X		DECK/PARAPET - VERT.
S508	X	648	6'-8"	X		PPT. - VERT.
S509	X	64	55'-9"			PPT. - HORIZ.
S510	X	2	13'-10"	X		ABUT. DIAPH. - ENDS - VERT. - WINGS 1 & 3
S511	X	4	14'-4"	X		ABUT. DIAPH. - ENDS - VERT.
S512	X	2	14'-8"	X		ABUT. DIAPH. - ENDS - VERT. - WINGS 2 & 4
S513	X	122	11'-8"	X		ABUT. DIAPH. - VERT.
S514	X	122	7'-1"	X		ABUT. DIAPH. - VERT.
S615	X	2	9'-8"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 1 & 3
S616	X	4	10'-8"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 1 & 3
S617	X	2	4'-5"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 1 & 3
S418	X	8	3'-8"			ABUT. DIAPH. - ENDS - VERT.
S619	X	2	10'-1"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 2 & 4
S620	X	4	10'-11"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 2 & 4
S621	X	2	4'-10"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 2 & 4
S522	X	24	10'-2"	X		ABUT. DIAPH. - VERT.
S423	X	80	3'-3"	X		ABUT. DIAPH. - VERT. - BTWN. BEAM SEATS
S424	X	20	6-10"			ABUT. DIAPH. - HORIZ. - BTWN. BEAM SEATS
S625	X	60	6'-0"			ABUT. DIAPH. - HORIZ.
S626	X	20	32'-6"			ABUT. DIAPH. - HORIZ.
S527	X	24	6'-0"			ABUT. DIAPH. - HORIZ. - THRU GIR.
S528	X	45	10'-4"	X		PIER. DIAPH. - VERT.
S429	X	60	6'-0"			PIER. DIAPH. - HORIZ.
S530	X	20	8'-2"	X		PIER. DIAPH. - VERT.
STAINLESS STEEL SS901		120	5'-0"	X		ABUT. DIAPH.-PAVING NOTCH



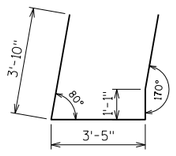
S507



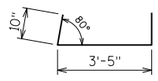
S508



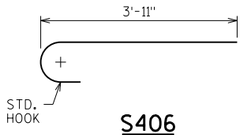
S619



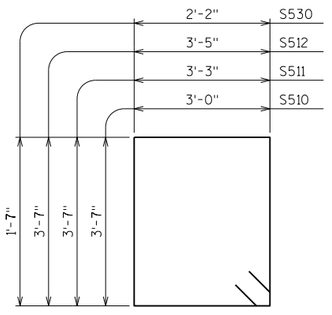
S620



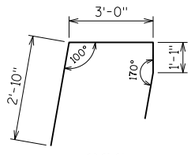
S621



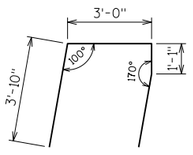
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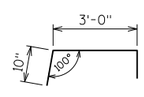
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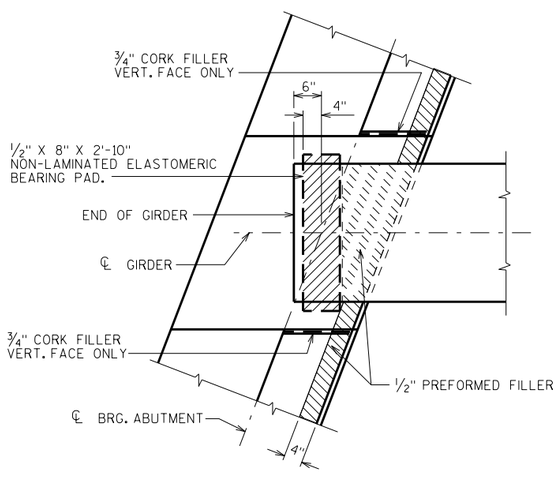
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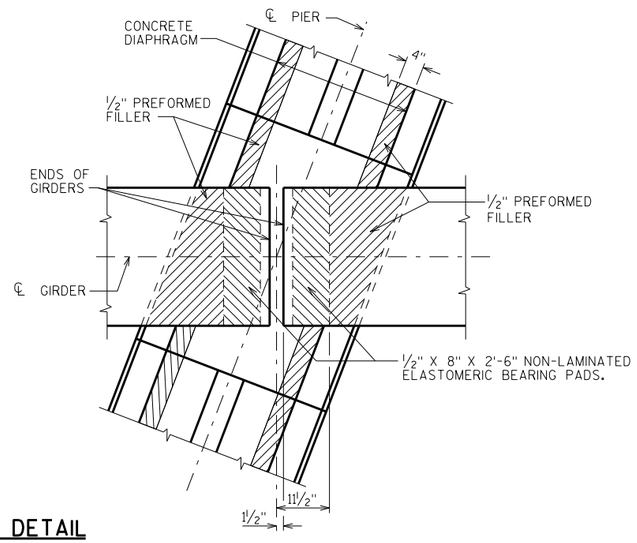


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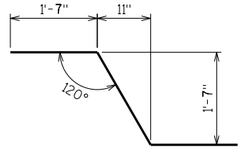


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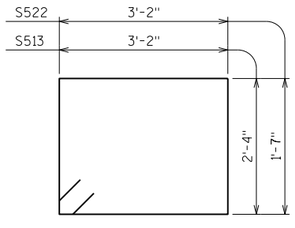




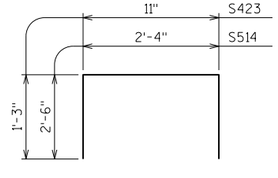
BEARING PAD DETAIL



SS901



S513, S522



S514, S423

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

DRAWN BY MJH | PLANS CK'D. JLR

SUPERSTRUCTURE DETAILS 3

SHEET 17

905

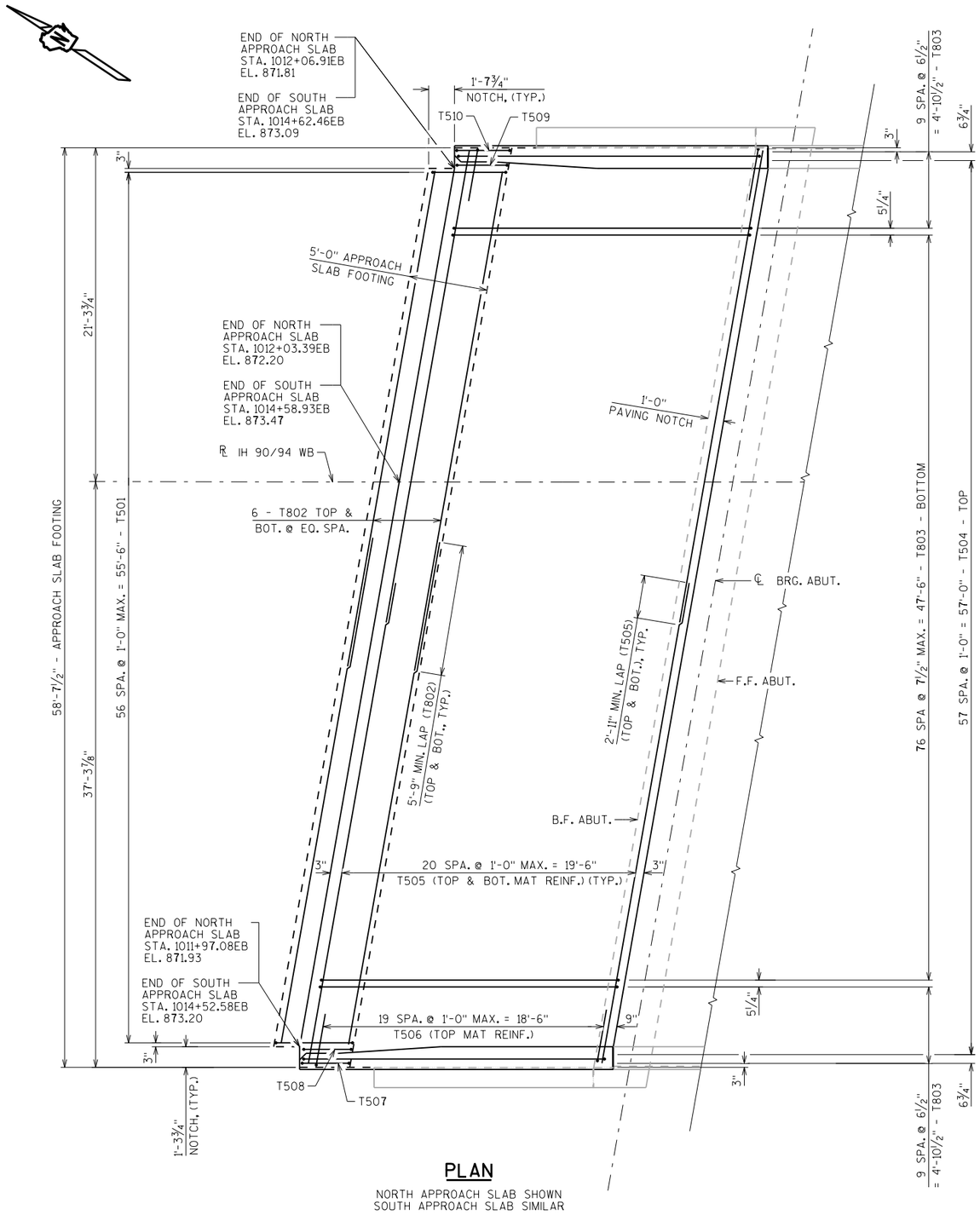
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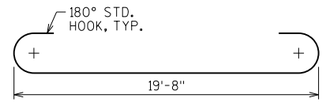
STATE PROJECT NUMBER

1016-05-70

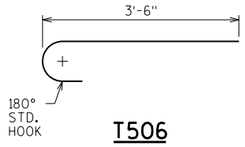


PLAN

NORTH APPROACH SLAB SHOWN
SOUTH APPROACH SLAB SIMILAR



T803

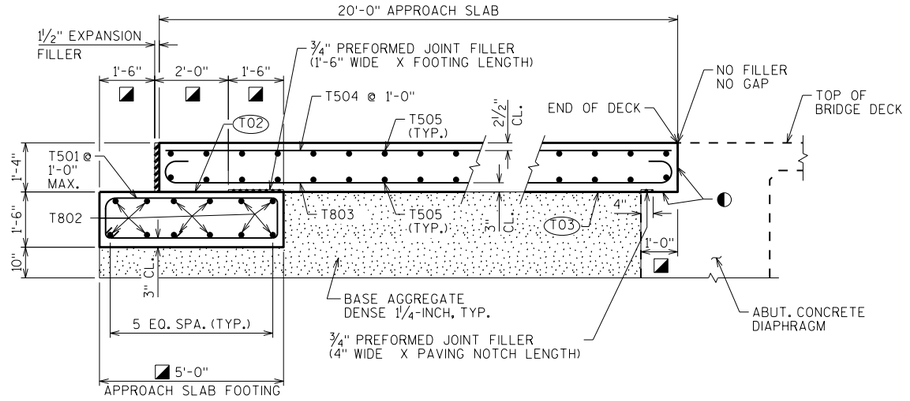


T506

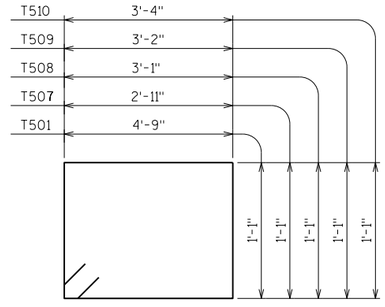
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D. NORTH	NO. REQ'D. SOUTH	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	57	57	12'-4"	X		FOOTING - STIRRUP
T802	X	24	24	32'-6"			FOOTING - HORIZ.
T803	X	97	97	21'-6"	X		APP. SLAB - BOTTOM - LONGITUDINAL
T504	X	60	60	19'-8"			APP. SLAB - TOP - LONGITUDINAL
T505	X	84	84	31'-1"			APP. SLAB - TOP & BOT. TRANSVERSE
T506	X	40	40	4'-1"	X		APP. SLAB - TRANSVERSE - EDGES
T507	X	1	1	8'-8"	X		FOOTING- NOTCHES - WINGS 1& 3
T508	X	1	1	9'-0"	X		FOOTING- NOTCHES - WINGS 1& 3
T509	X	1	1	9'-2"	X		FOOTING- NOTCHES - WINGS 2 & 4
T510	X	1	1	9'-6"	X		FOOTING- NOTCHES - WINGS 2 & 4



SECTION THRU APPROACH SLAB



T501, T507, T508, T509, T510

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE SUBGRADE BENEATH SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

DRAWN BY MJH | PLANS CK'D. JLR

STRUCTURAL APPROACH SLAB

SHEET 18

906

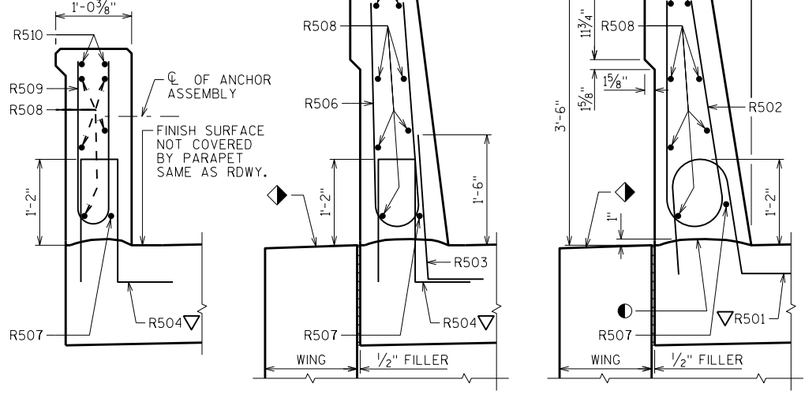
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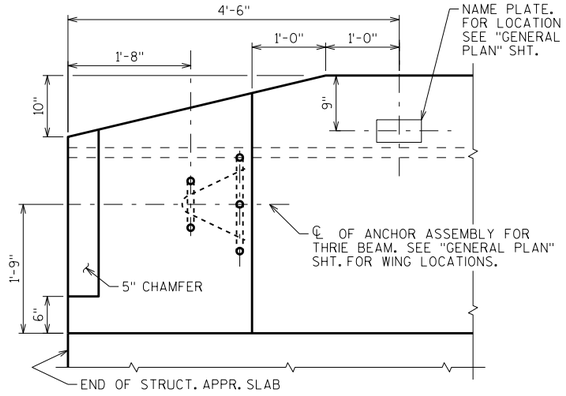
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STATE PROJECT NUMBER

1016-05-70



SECTION A-A SECTION B-B SECTION C-C



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

BILL OF BARS

FOR ABUTMENT PARAPETS

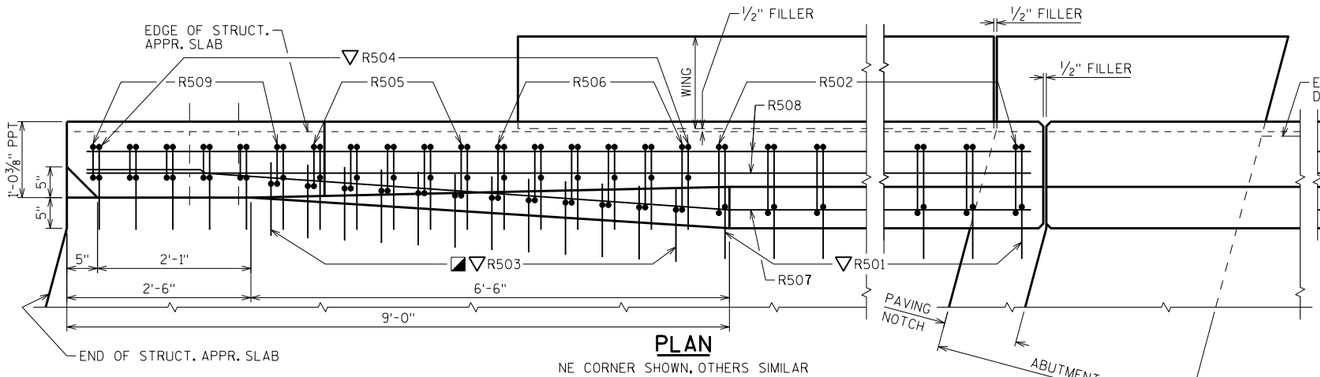
BAR MARK	COAT	NORTH APPR.	SOUTH APPR.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	36	36	4'-5"	X		PARAPET VERT.
R502	X	36	36	6'-8"	X		PARAPET VERT.
R503	X	24	24	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	10	10	6'-5"	X		PARAPET VERT.
R506	X	12	12	6'-6"	X		PARAPET VERT.
R507	X	2	2	19'-8"	X		PARAPET HORIZ.
R508	X	10	10	19'-8"			PARAPET HORIZ.
R509	X	12	12	5'-5"	X	⚠	PARAPET VERT.
R510	X	4	4	19'-8"	X		PARAPET HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

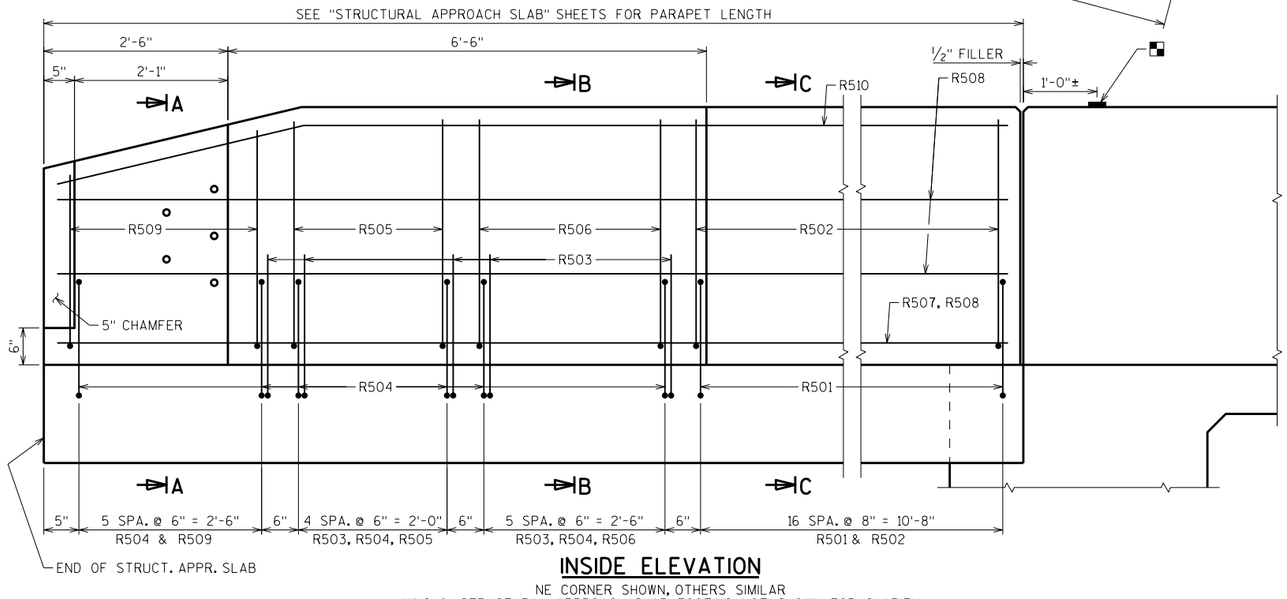
BAR MARK	NO. REQ'D	LENGTH
R509	4 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.



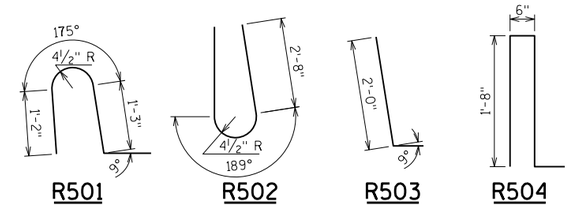
PLAN

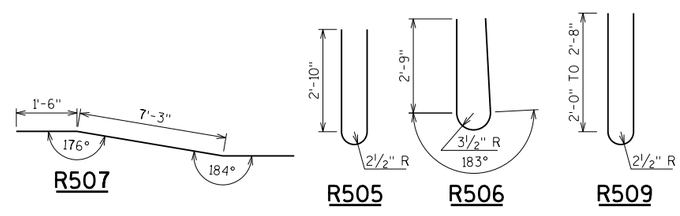
NE CORNER SHOWN, OTHERS SIMILAR

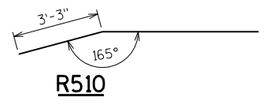


INSIDE ELEVATION

NE CORNER SHOWN, OTHERS SIMILAR
WING & STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY







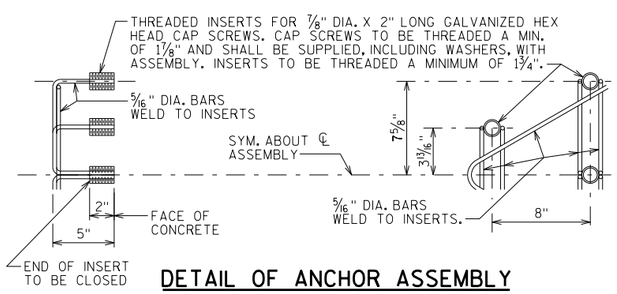
■ BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.

◐ CONST. JOINT - STRIKE OFF AS SHOWN

◆ SLOPE FOR DRAINAGE

◪ USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

DRAWN BY MJH | PLANS CK'D. JLR

SINGLE SLOPE PARAPET 42SS

SHEET 19

907

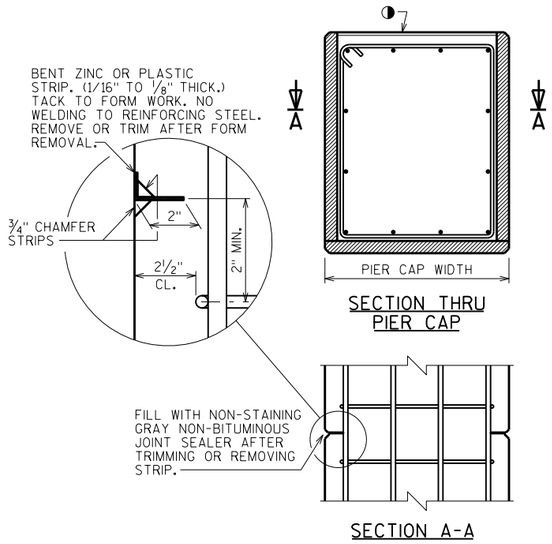
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STATE PROJECT NUMBER

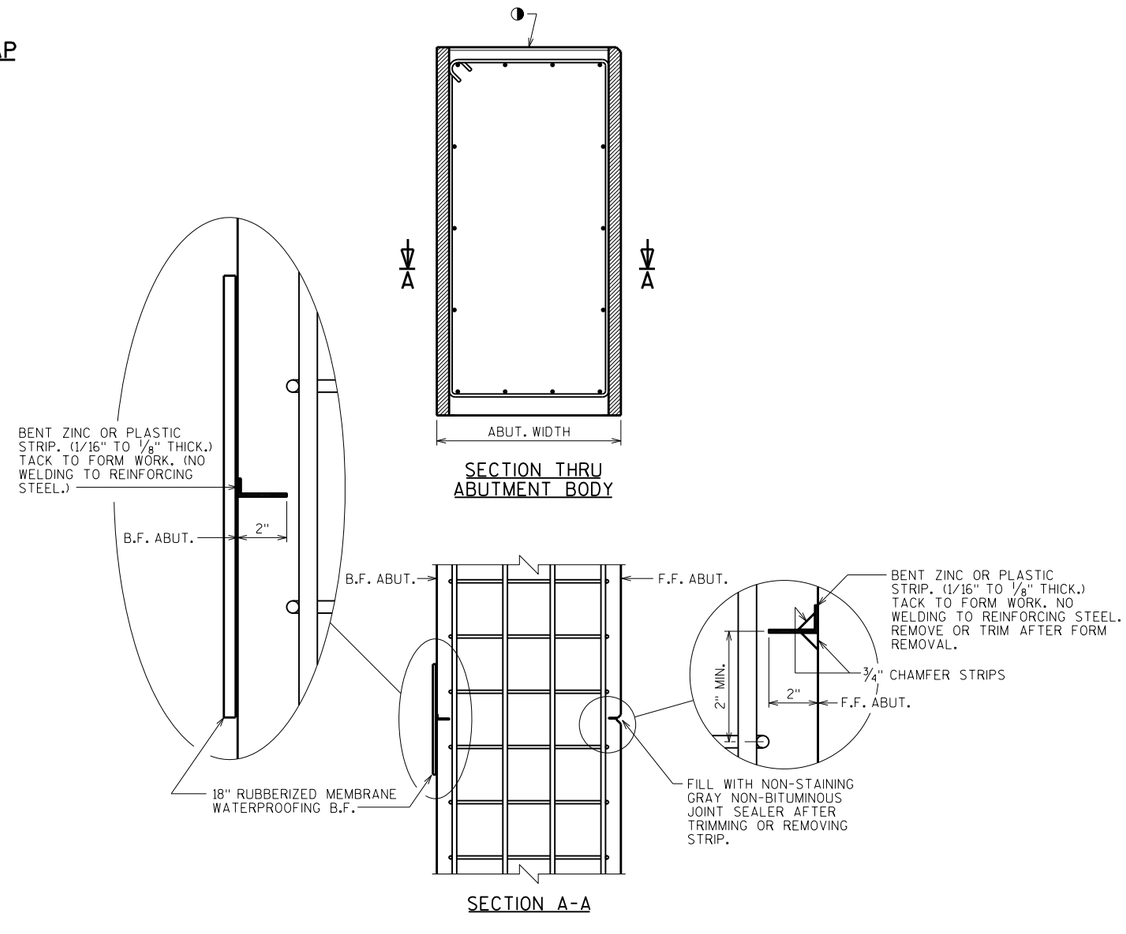
1016-05-70



SECTION THRU PIER CAP

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT PIER CAP



SECTION THRU ABUTMENT BODY

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-152

DRAWN BY MJH | PLANS CK'D. JLR

ALTERNATE CONSTRUCTION JOINT

SHEET 20

908

SCALE = 1.00

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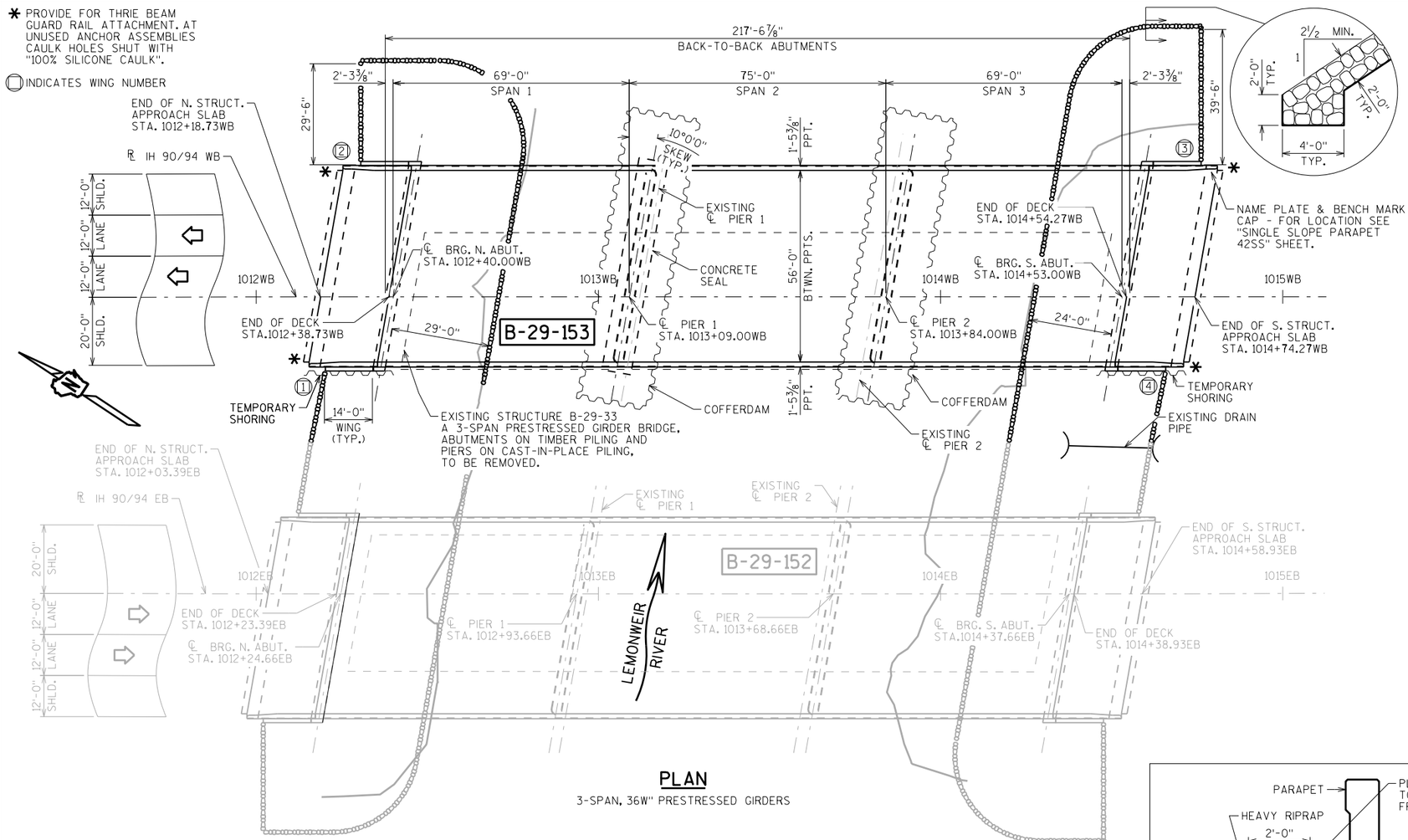
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STATE PROJECT NUMBER

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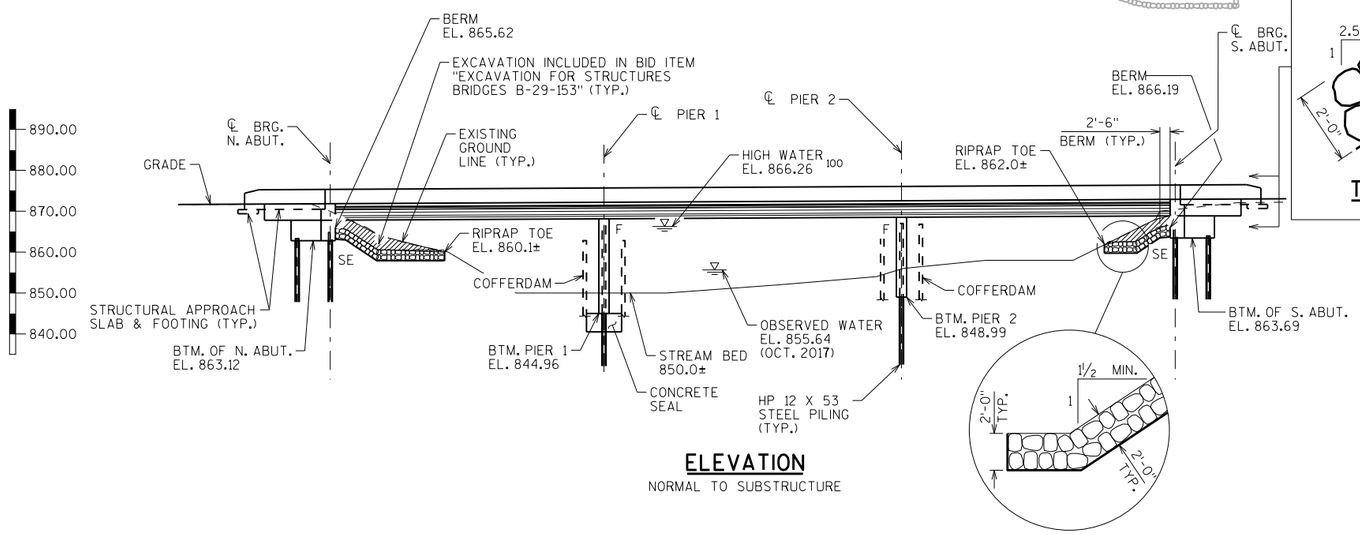
* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER



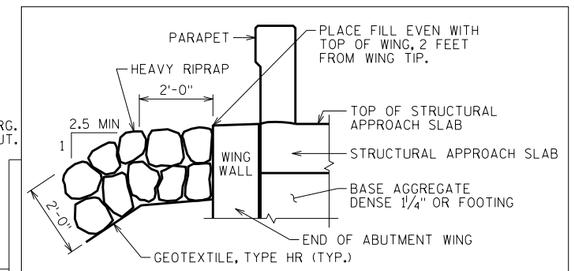
PLAN

3-SPAN, 36W" PRESTRESSED GIRDERS



ELEVATION

NORMAL TO SUBSTRUCTURE



TYPICAL FILL SECTION AT WING TIPS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.06
OPERATING RATING FACTOR: RF = 1.38
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

36W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 12 X 53 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 50'-0" LONG. AT N. ABUT. AND 75'-0" LONG AT S.ABUT. PILE POINTS REQ'D.

PIERS TO BE SUPPORTED ON HP 12 X 53 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. 70'-0" LONG AT PIER 1 AND 85'-0" LONG AT PIER 2, PILE POINT REQ'D.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} = 9,230 C.F.S.
$VEL._{100}$ = 4.70 F.P.S.
$HW._{100}$ = EL. 866.26
WATERWAY AREA = 1,954 SQ. FT.
DRAINAGE AREA = 621.90 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 5

2 YEAR FREQUENCY

Q_2 = 3,400 C.F.S.
$VEL._2$ = 2.5 F.P.S.
$HW._2$ = EL. 862.75

TRAFFIC VOLUME

IH 90/94

ADT = 44,100 (2042)
R.D.S. = 70 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. GENERAL NOTES & DETAILS
4. SUBSURFACE EXPLORATION
5. NORTH ABUTMENT
6. NORTH ABUTMENT DETAILS
7. SOUTH ABUTMENT
8. SOUTH ABUTMENT DETAILS
9. PIER 1
10. PIER 2
11. 36W" PRESTRESSED GIRDER DETAILS 1
12. 36W" PRESTRESSED GIRDER DETAILS 2
13. STEEL DIAPHRAGM
14. STEEL DIAPHRAGM LOCATIONS
15. SUPERSTRUCTURE DETAILS 1
16. SUPERSTRUCTURE DETAILS 2
17. SUPERSTRUCTURE DETAILS 3
18. STRUCTURAL APPROACH SLAB
19. SINGLE SLOPE PARAPET 42SS
20. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:

JONATHON RESHESKE (608) 266-8491
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION

BUREAU OF STRUCTURES

ACCEPTED 12/8/21
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-29-153

IH 90/94 WB OVER LEMONWEIR RIVER

COUNTY: JUNEAU
TOWN ~~CITY/VILLAGE~~: LEMONWEIR

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JLR	IFC	MJH	JLR

GENERAL PLAN

SHEET 1 OF 20

909

I.D. 1016-05-00B DATE: DEC 2021

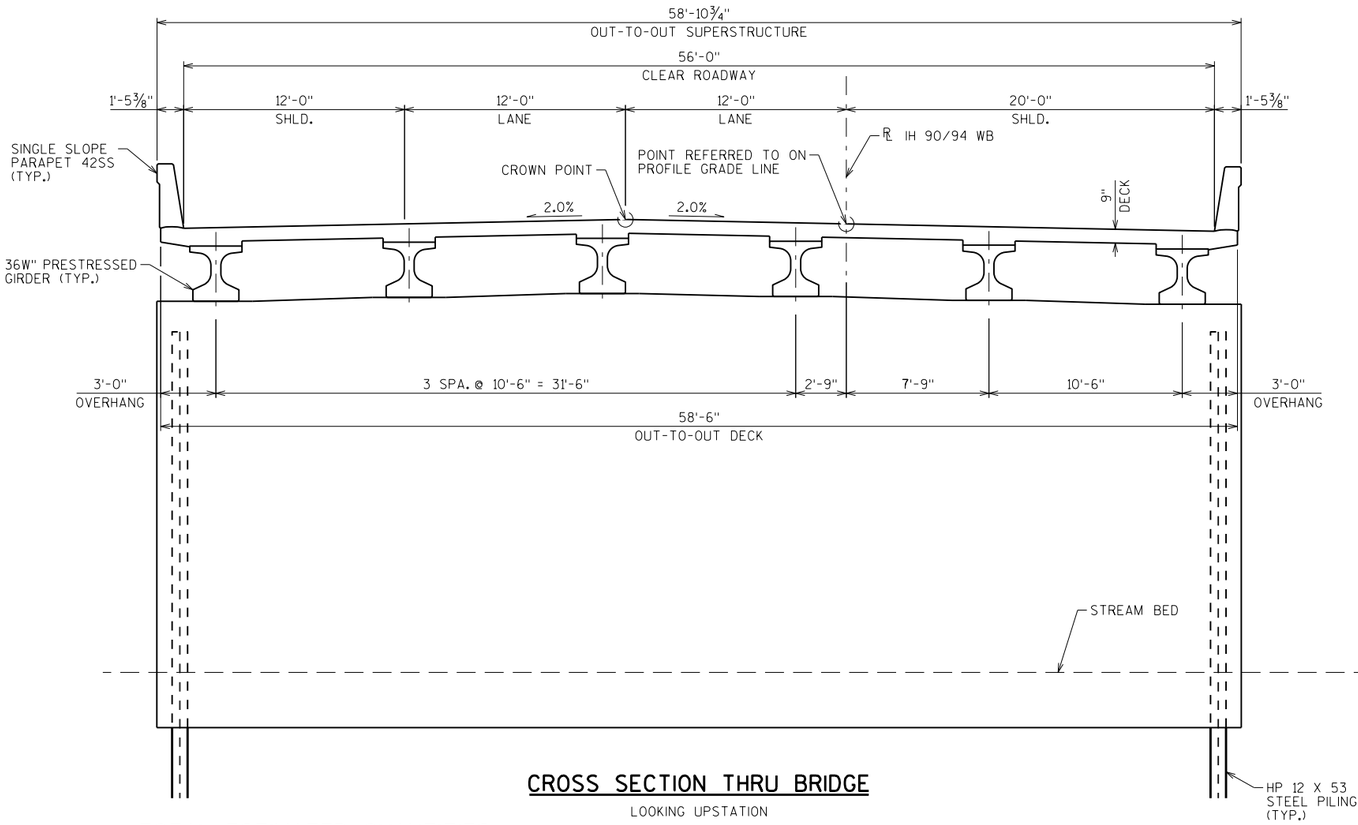
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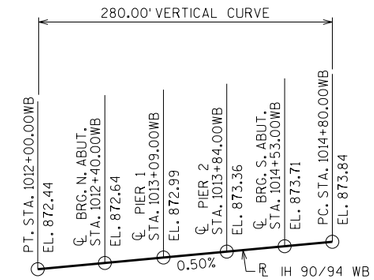
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1016-05-70

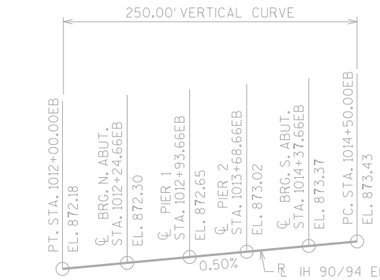


CROSS SECTION THRU BRIDGE

LOOKING UPSTATION



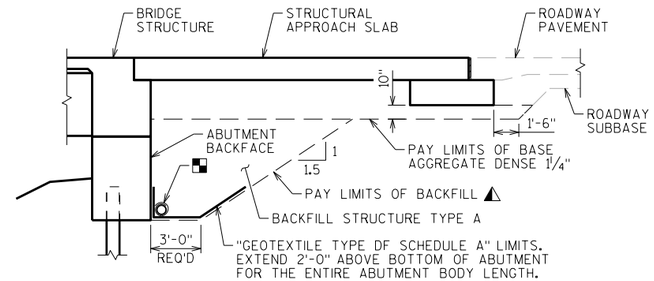
PROFILE GRADE LINE - IH 90/94 WB



PROFILE GRADE LINE - IH 90/94 EB

TOTAL ESTIMATED QUANTITIES

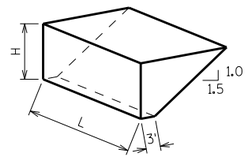
BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	N. STRUCT. APP. SLAB	NORTH ABUT.	PIER 1	PIER 2	SOUTH ABUT.	S. STRUCT. APP. SLAB	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS B-29-33	EACH	———	———	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-29-153	LS	———	———	———	———	———	———	———	1
206.5000	COFFERDAMS B-29-153	LS	———	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	194	———	———	222	———	416
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	———	185	———	———	185	———	370
501.1000.S	ICE HOT WEATHER CONCRETING	LB	3,955	600	445	1,135	960	480	600	8,175
502.0100	CONCRETE MASONRY BRIDGES	CY	527	80	59	151	128	64	80	1,089
502.1100	CONCRETE MASONRY SEAL	CY	———	———	———	101	———	———	———	101
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1,372	125	———	———	———	———	125	1,622
502.3210	PIGMENTED SURFACE SEALER	SY	213	20	———	———	———	———	20	253
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	1,281	———	———	———	———	———	———	1,281
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	3,910	6,110	5,250	3,990	———	19,260
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	109,140	13,730	1,540	80	80	1,550	13,730	139,850
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,040	———	———	———	———	———	———	2,040
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	6	12	12	6	———	36
506.4000	STEEL DIAPHRAGMS B-29-153	EACH	15	———	———	———	———	———	———	15
511.1200	TEMPORARY SHORING B-29-153	SF	———	———	375	———	———	375	———	750
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	14	———	———	14	———	28
550.0500	PILE POINTS	EACH	———	———	10	15	14	10	———	49
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	———	———	500	1,050	1,190	750	———	3,490
606.0300	RIPRAP HEAVY	CY	———	———	332	———	———	298	———	630
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	85	———	———	85	———	170
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	2	———	———	———	———	2	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	60	———	———	60	———	120
645.0120	GEOTEXTILE TYPE HR	SY	———	———	497	———	———	447	———	944
	NON-BID ITEMS		———	———	———	———	———	———	———	———
	FILLER	SIZE	———	———	———	———	———	———	———	½", ¾", 1½"



TYPICAL SECTION THRU ABUTMENT

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

CROSS SECTION & QUANTITIES

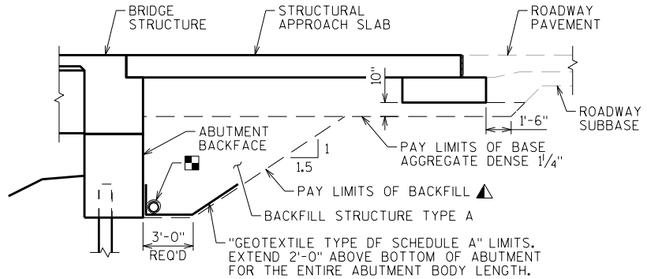
SHEET 2

910

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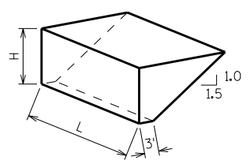
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TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)

GENERAL NOTES

STATE PROJECT NUMBER
1016-05-70

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-29-153" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

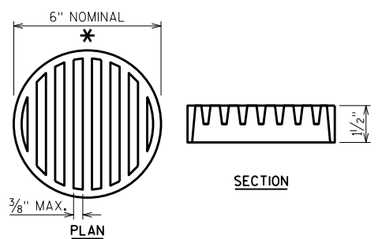
THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS 2" SHEET.

THE EXISTING STREAM BED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

AT PIER 2, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

TEMPORARY STRUCTURE REMOVAL IS PART OF B-29-152 PLANS



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

GENERAL NOTES & DETAILS

SHEET 3

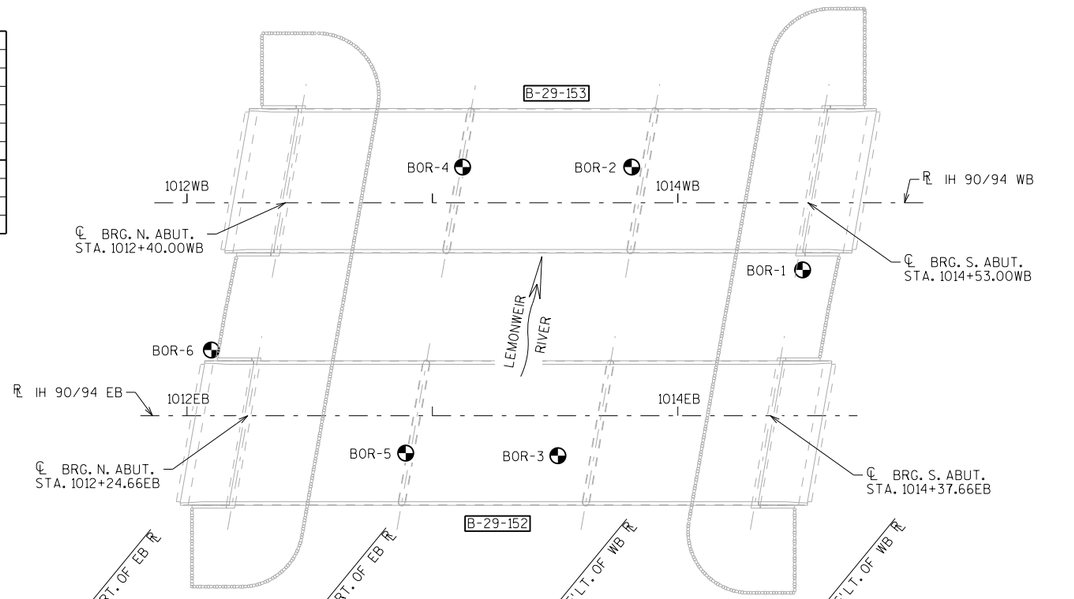
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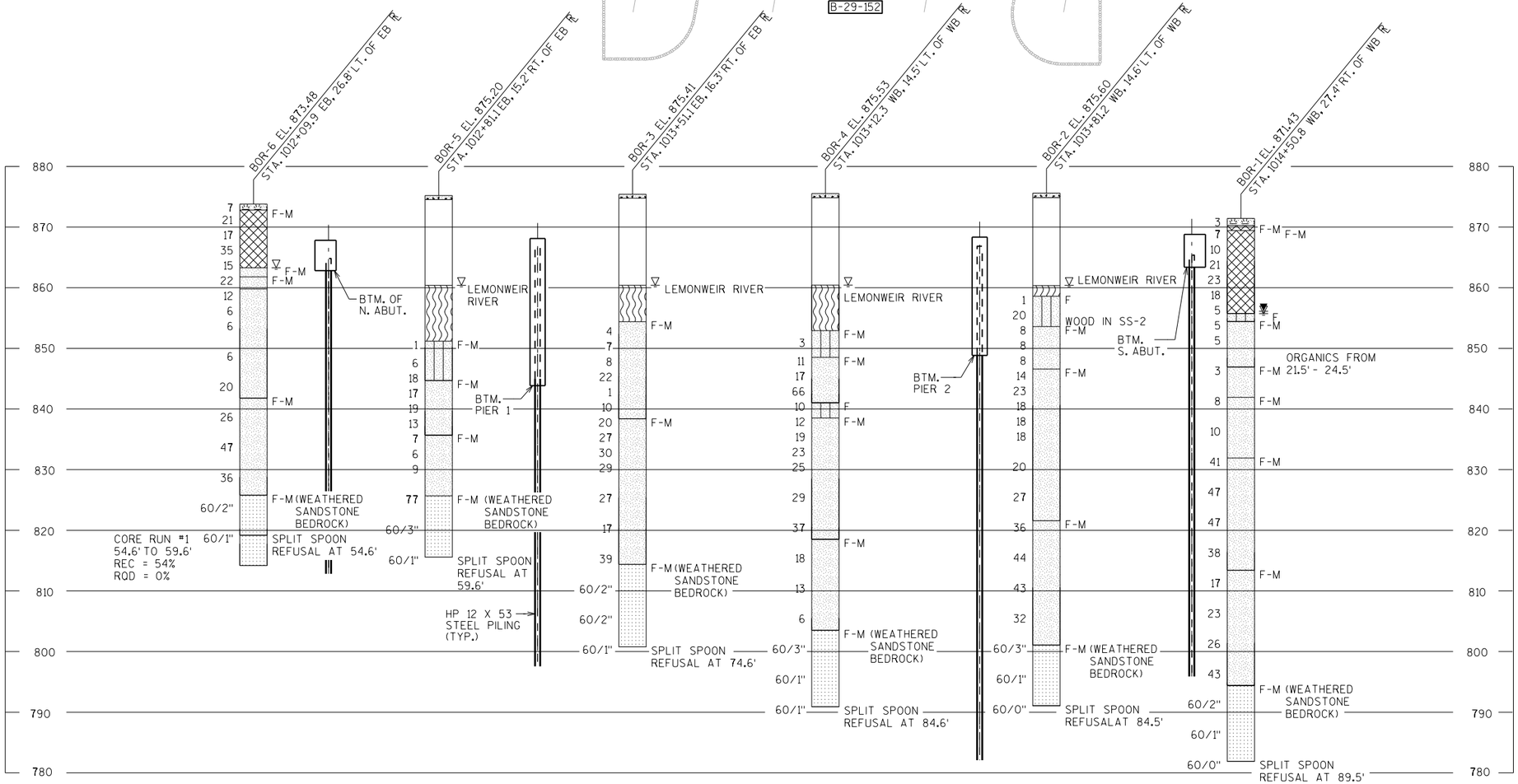
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8

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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	3/31/2021	154113.88	469797.06
2	4/01/2021	154195.07	469793.45
3	3/31/2021	154155.06	469678.84
4	4/06/2021	154252.47	469755.32
5	3/30/2021	154207.30	469645.41
6	3/29/2021	154296.50	469636.60
BORINGS COMPLETED BY: AET			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





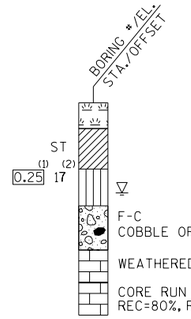
STATE PROJECT NUMBER

1016-05-70

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

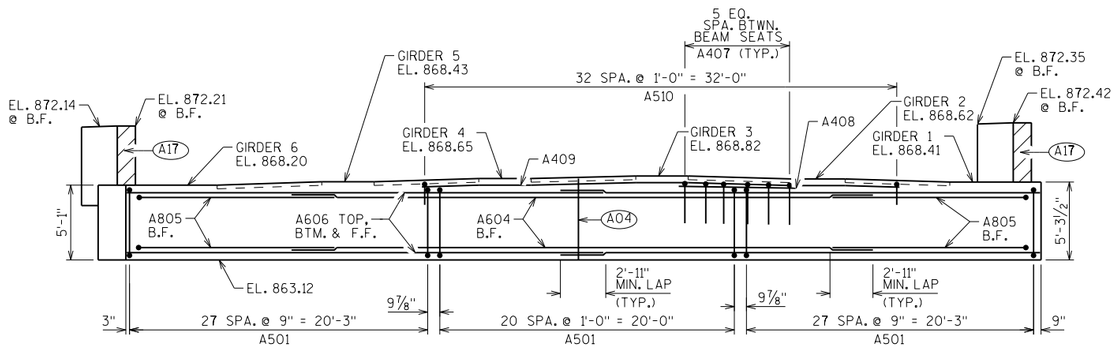
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SUBSURFACE EXPLORATION

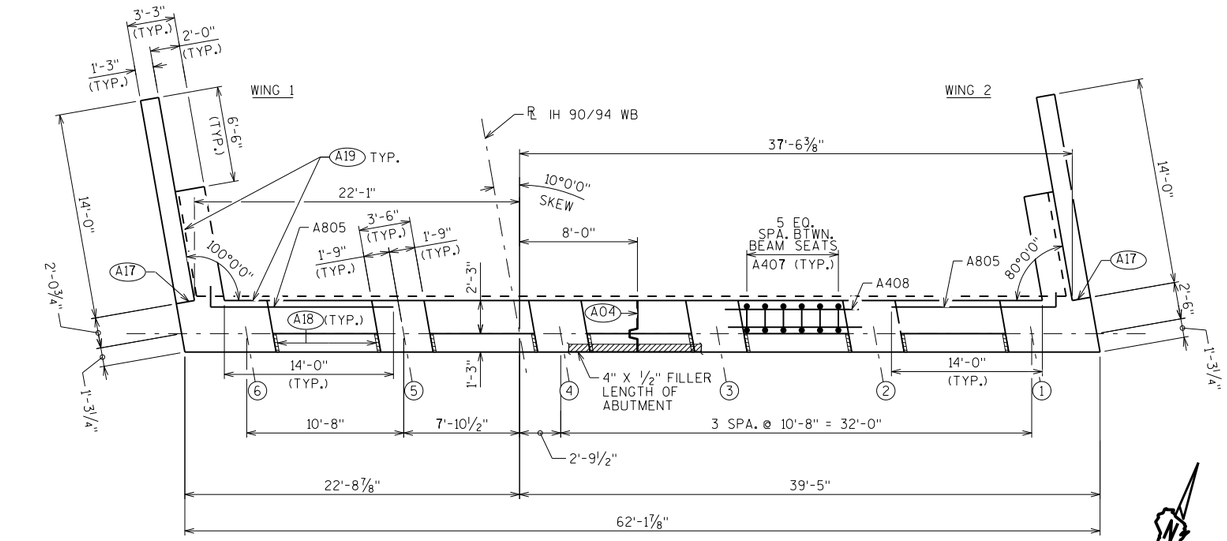
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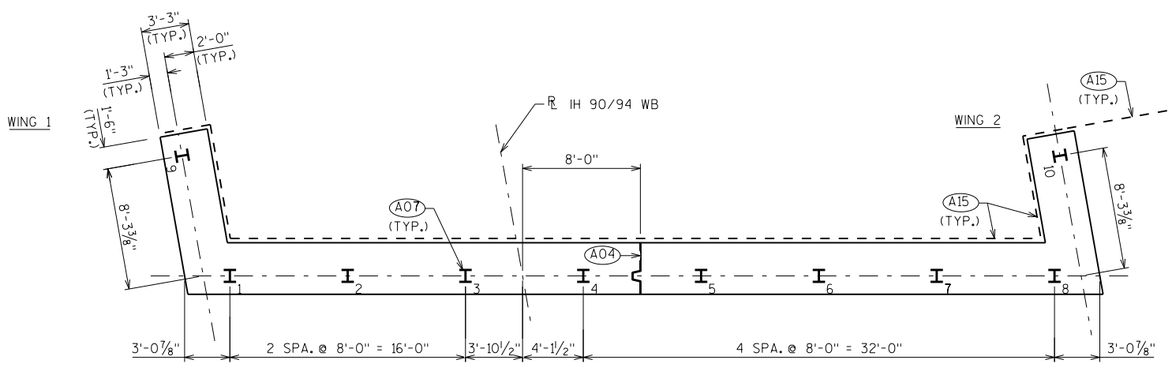
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ELEVATION
LOOKING DOWNSTATION

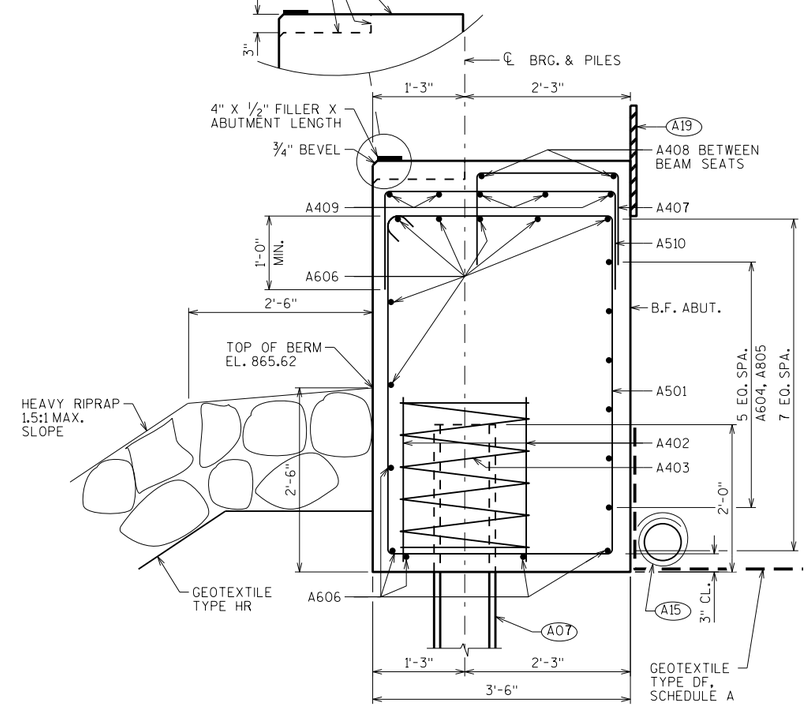


PLAN



PILE PLAN

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".



SECTION THRU BODY

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 X 8. ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A07) SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING, ESTIMATED 50'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

STATE PROJECT NUMBER

1016-05-70

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

NORTH ABUTMENT

SHEET 5

913

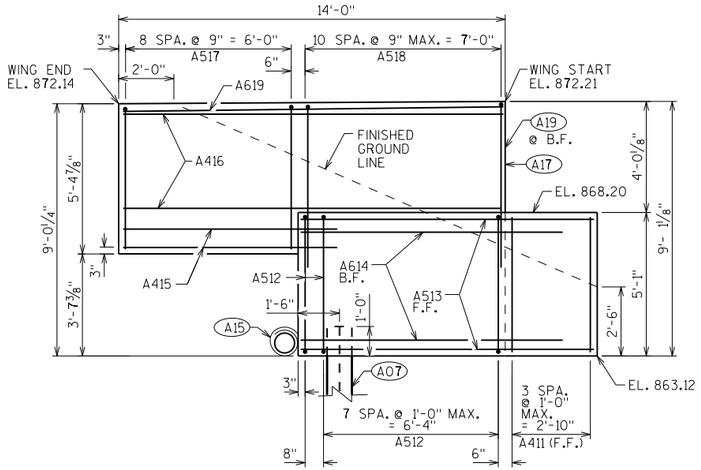
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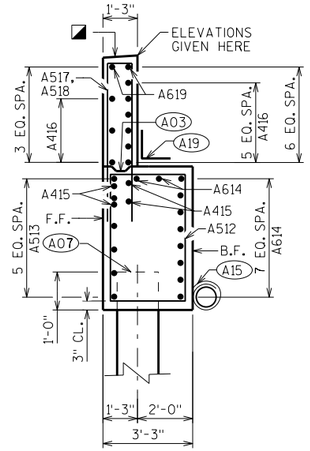
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STATE PROJECT NUMBER

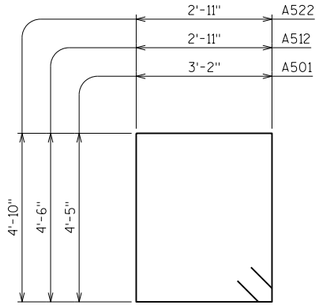
1016-05-70



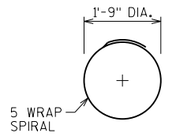
WING 1



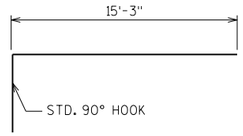
WING 1 SECTION



A501. A512, A522



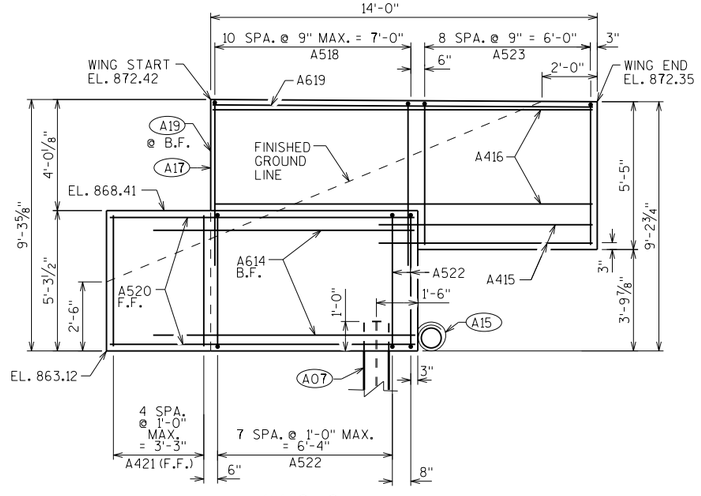
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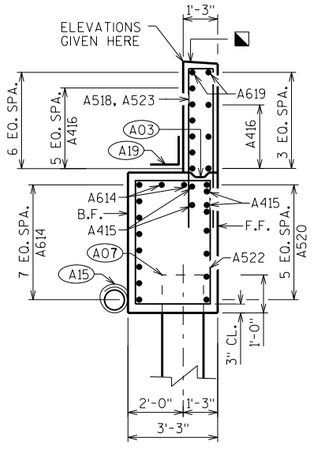
A805

BILL OF BARS

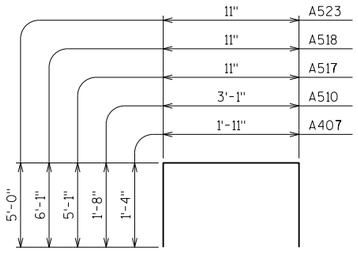
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		77	15'-10"	X		BODY-STIRRUPS
A402		16	2'-3"			BODY PILES - 2 PER BODY PILE
A403		8	28'-0"	X		BODY PILES - 1 PER BODY PILE
A604		6	33'-6"			BODY - HORIZONTAL - B.F. - MIDDLE
A805		12	16'-5"	X		BODY - HORIZONTAL - B.F.
A606		24	32'-5"			BODY - HORIZONTAL - TOP, BOT, & F.F.
A407		30	4'-5"	X		BODY - VERT. - TOP - BTWN. BEAM SEATS
A408		10	9'-2"			BODY - HORIZ. - TOP - BTWN. BEAM SEATS
A409		5	32'-4"			BODY - HORIZONTAL - TOP
A510		33	6'-2"	X		BODY - VERTICAL - TOP
A411	X	4	4'-9"			WING 1 - VERTICAL - END OF ABUTMENTS - F.F.
A512	X	9	15'-6"	X		WING 1 - STIRRUP - LOWER WING
A513	X	6	10'-6"			WING 1 - HORIZONTAL - F.F. - LOWER WING
A614	X	20	9'-9"			WINGS - HORIZONTAL - B.F. - LOWER WING
A415	X	8	7'-9"			WINGS - HORIZONTAL - UPPER/LOWER WING
A416	X	18	13'-8"			WINGS - HORIZONTAL - UPPER WING
A517	X	9	10'-10"	X		WING 1 - VERTICAL - UPPER WING
A518	X	22	12'-10"	X		WINGS - VERTICAL - UPPER WING
A619	X	4	13'-8"			WINGS - HORIZONTAL - UPPER WING - TOP
A520	X	6	10'-11"			WING 2 - HORIZONTAL - F.F. - LOWER WING
A421	X	5	4'-11"			WING 2 - VERTICAL - END OF ABUTMENTS - F.F.
A522	X	9	16'-2"	X		WING 2 - STIRRUP - LOWER WING
A523	X	9	10'-8"	X		WING 2 - VERTICAL - UPPER WING



WING 2



WING 2 SECTION



A407, A510, A517, A518, A523

A03 OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

A07 SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING, ESTIMATED 50'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

◪ FINISH SMOOTH - SLOPE TO DRAIN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

NORTH ABUTMENT DETAILS

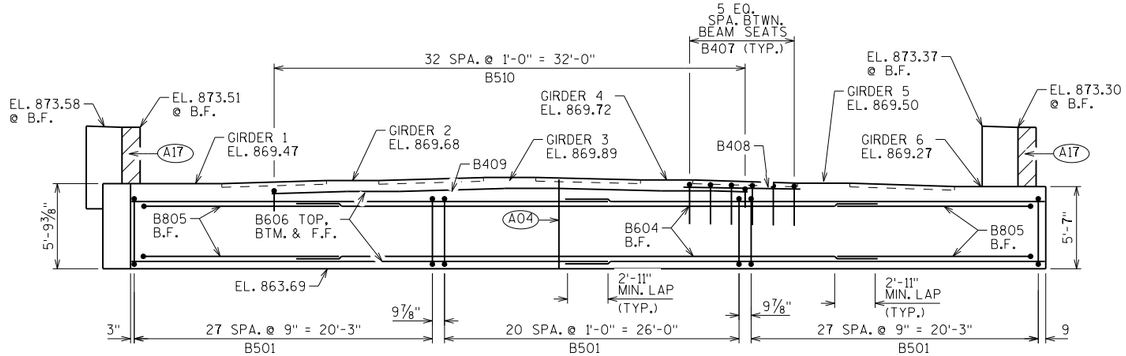
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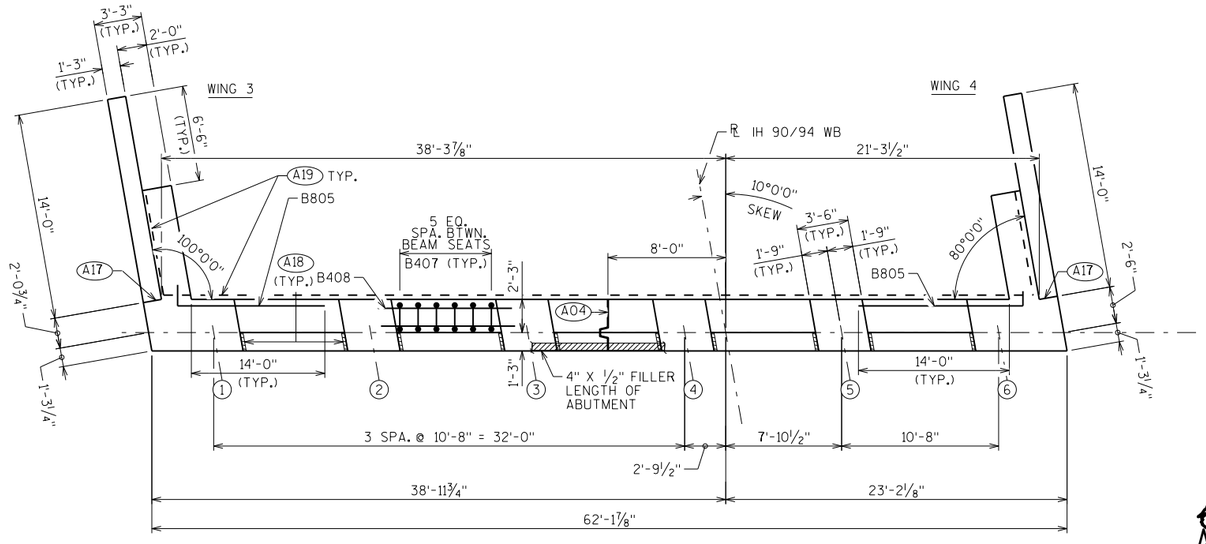
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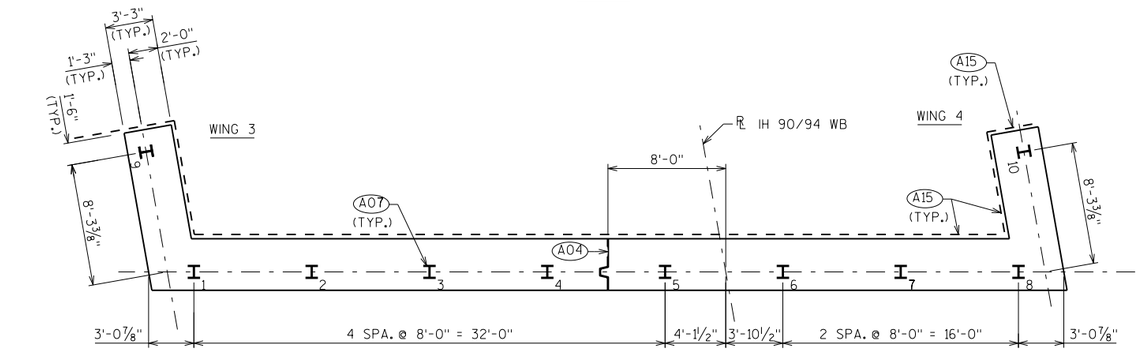
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ELEVATION
LOOKING UPSTATION

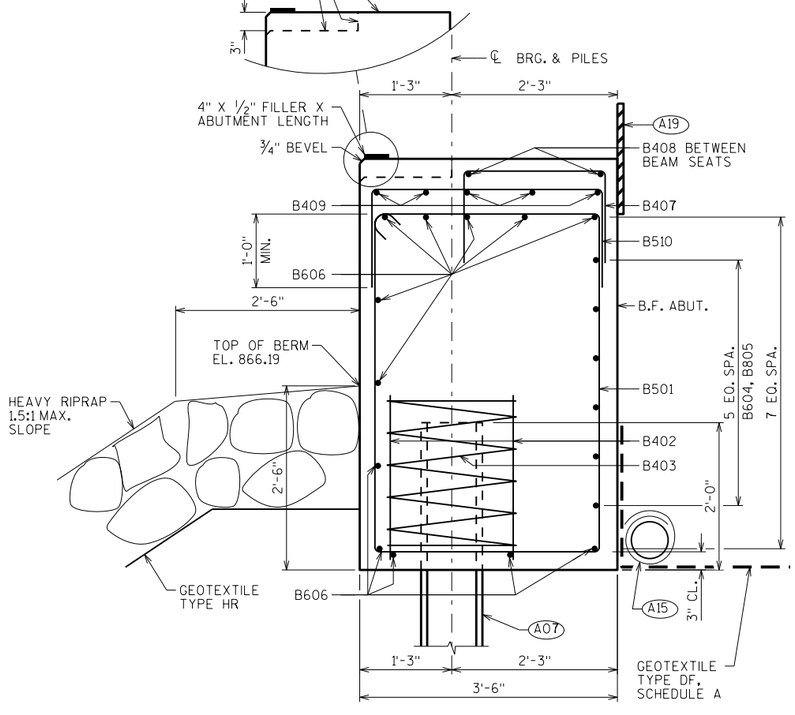


PLAN



PILE PLAN

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".



SECTION THRU BODY

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 X 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A07) SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING, ESTIMATED 75'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

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STRUCTURE B-29-153

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SOUTH ABUTMENT

SHEET 7

915

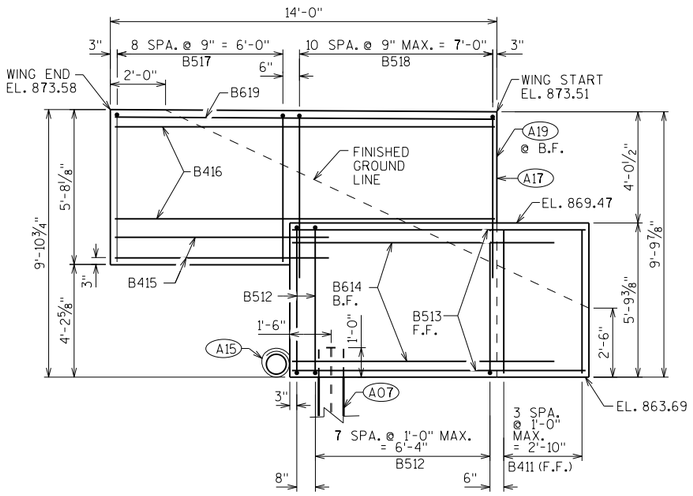
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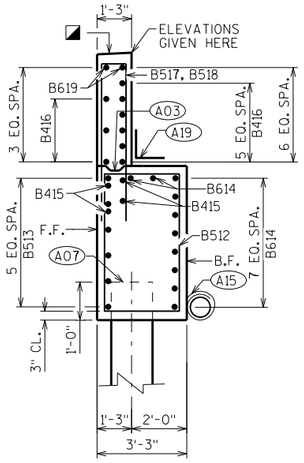
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STATE PROJECT NUMBER

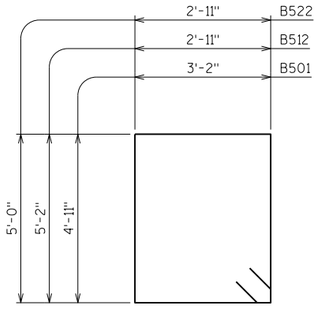
1016-05-70



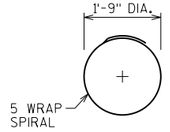
WING 3



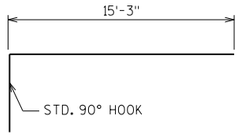
WING 3 SECTION



B501. B512, B522



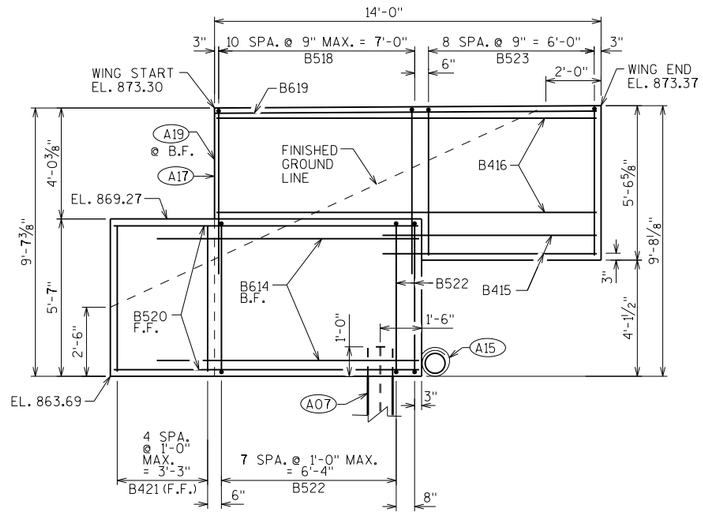
B403



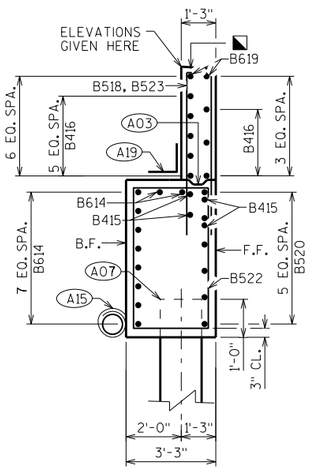
B805

BILL OF BARS

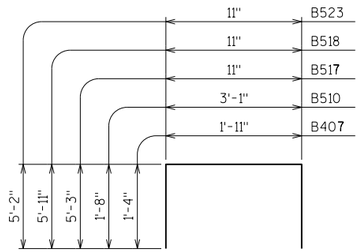
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		77	16'-10"	X		BODY-STIRRUPS
B402		16	2'-3"			BODY PILES - 2 PER BODY PILE
B403		8	28'-0"	X		BODY PILES - 1 PER BODY PILE
B604		6	33'-6"			BODY - HORIZONTAL - B.F. - MIDDLE
B805		12	16'-5"	X		BODY - HORIZONTAL - B.F.
B606		24	32'-5"			BODY - HORIZONTAL - TOP, BOT, & F.F.
B407		30	4'-5"	X		BODY - VERT. - TOP - BTWN. BEAM SEATS
B408		10	9'-2"			BODY - HORIZ. - TOP - BTWN. BEAM SEATS
B409		5	32'-4"			BODY - HORIZONTAL - TOP
B510		33	6'-2"	X		BODY - VERTICAL
B411	X	4	5'-5"			WING 3 - VERTICAL - END OF ABUTMENTS - F.F.
B512	X	9	16'-10"	X		WING 3 - STIRRUP - LOWER WING
B513	X	6	10'-6"			WING 3 - HORIZONTAL - F.F. - LOWER WING
B614	X	20	9'-9"			WINGS - HORIZONTAL - B.F. - LOWER WING
B415	X	8	7'-9"			WINGS - HORIZONTAL - UPPER/LOWER WING
B416	X	18	13'-8"			WINGS - HORIZONTAL - UPPER WING
B517	X	9	11'-2"	X		WING 3 - VERTICAL - UPPER WING
B518	X	22	12'-6"	X		WINGS - VERTICAL - UPPER WING
B619	X	4	13'-8"			WINGS - HORIZONTAL - UPPER WING - TOP
B520	X	6	10'-11"			WING 4 - HORIZONTAL - F.F. - LOWER WING
B421	X	5	5'-3"			WING 4 - VERTICAL - END OF ABUTMENTS - F.F.
B522	X	9	16'-6"	X		WING 4 - STIRRUP - LOWER WING
B523	X	9	11'-0"	X		WING 4 - VERTICAL - UPPER WING



WING 4



WING 4 SECTION



B407, B510, B517, B518, B523

A03 OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

A07 SUPPORT ABUTMENT ON HP 12 X 53 STEEL PILING. ESTIMATED 75'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

◪ FINISH SMOOTH - SLOPE TO DRAIN

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STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

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SOUTH ABUTMENT DETAILS

SHEET 8

916

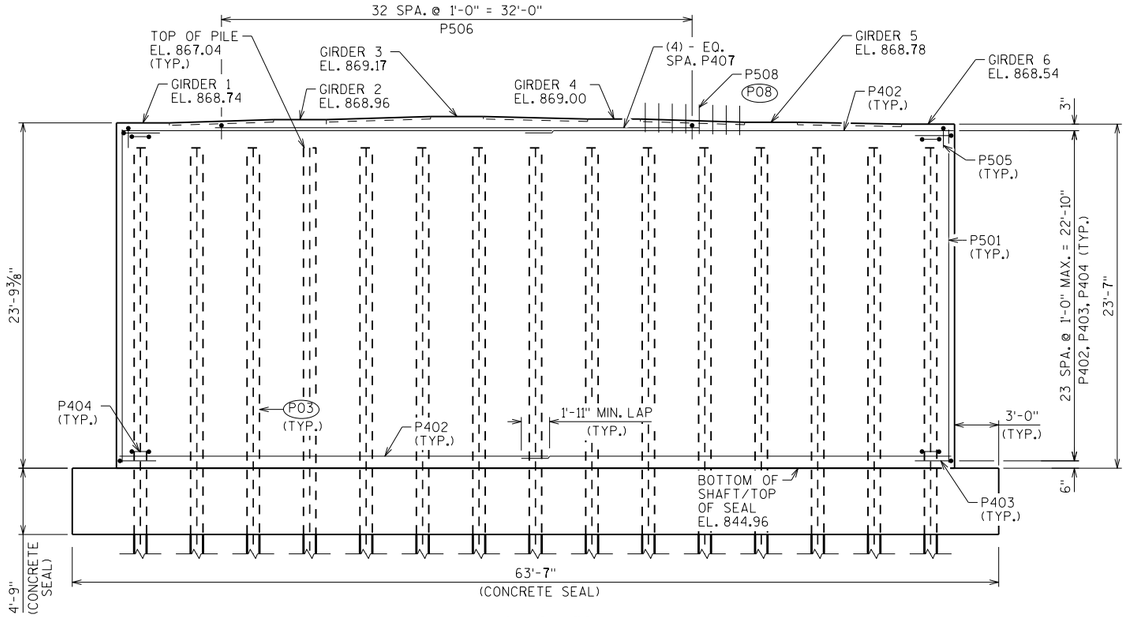
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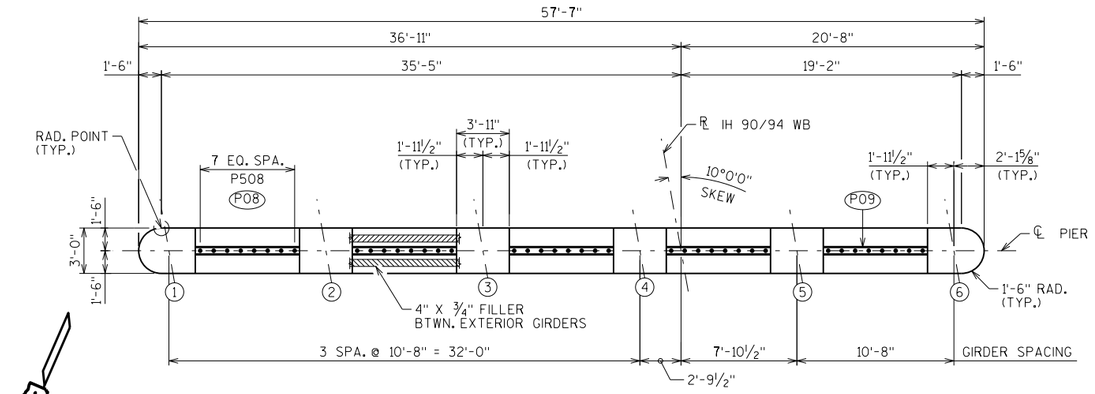
STATE PROJECT NUMBER

1016-05-70

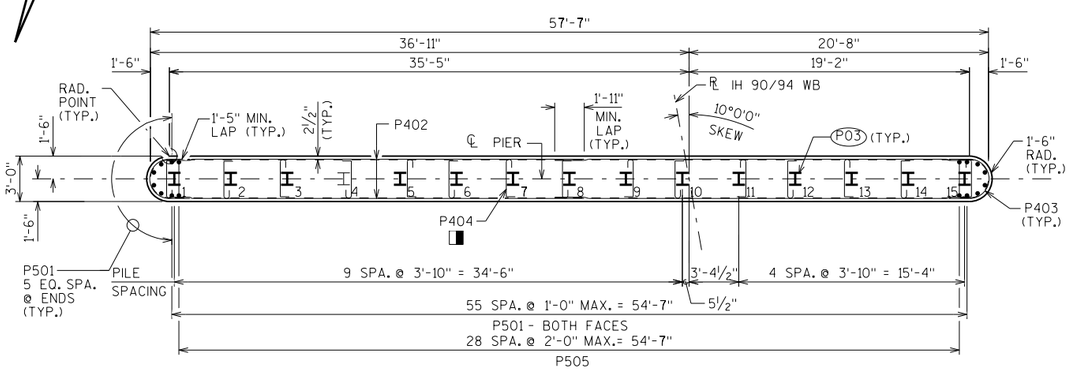


ELEVATION

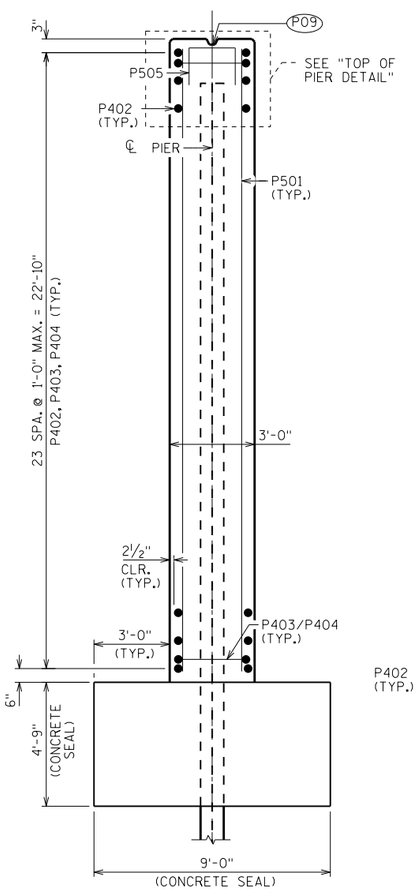
LOOKING UPSTATION



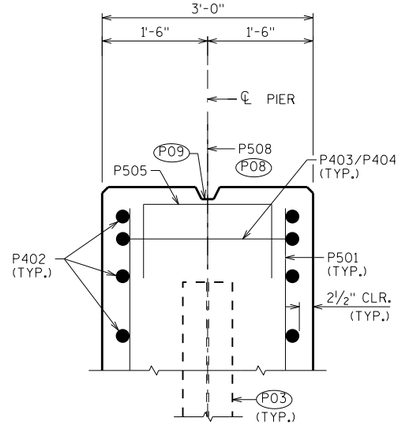
TOP OF SHAFT PLAN



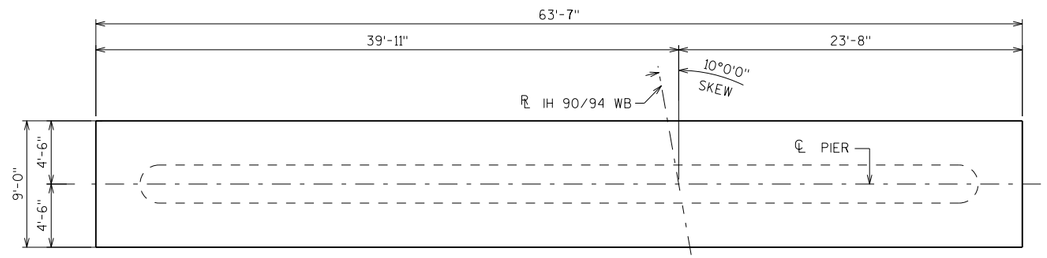
PILE & SHAFT PLAN



END VIEW



TOP OF PIER DETAIL



CONCRETE SEAL PLAN

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

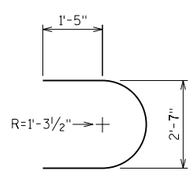
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P501		120	22'-10"			SHAFT-VERT.
P402		96	28'-3"			SHAFT-HORIZ.-BOTH FACES
P403		48	6'-9"	X		SHAFT-HORIZ. ENDS
P404		360	3'-5"	X		SHAFT-HORIZ. TIE BARS AT PILES
P505		29	4'-3"	X		SHAFT-VERT. TOP - U-BARS
P506		33	5'-6"	X		VERT.-TOP-U-BARS
P407		4	32'-4"			HORIZ.-TOP
P508	X	40	2'-0"			VERT.-TOP-DOWELS

◨ PLACE ADJACENT TO EACH PILE ONLY. TIE TO NEAREST VERT. #5 BAR. ALTERNATE THE POSITION OF THE 90° AND 180° HOOKS AT EACH VERTICAL LAYER.

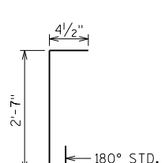
(P03) SUPPORT PIER ON HP 12 X 53 STEEL PILING, ESTIMATED 70'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

(P08) P508 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

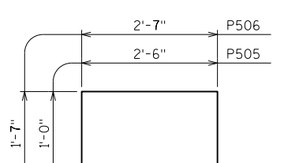
(P09) KEYED CONST. JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.



P403



P404



P505, P506

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STRUCTURE B-29-153

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PIER 1

SHEET 9

917

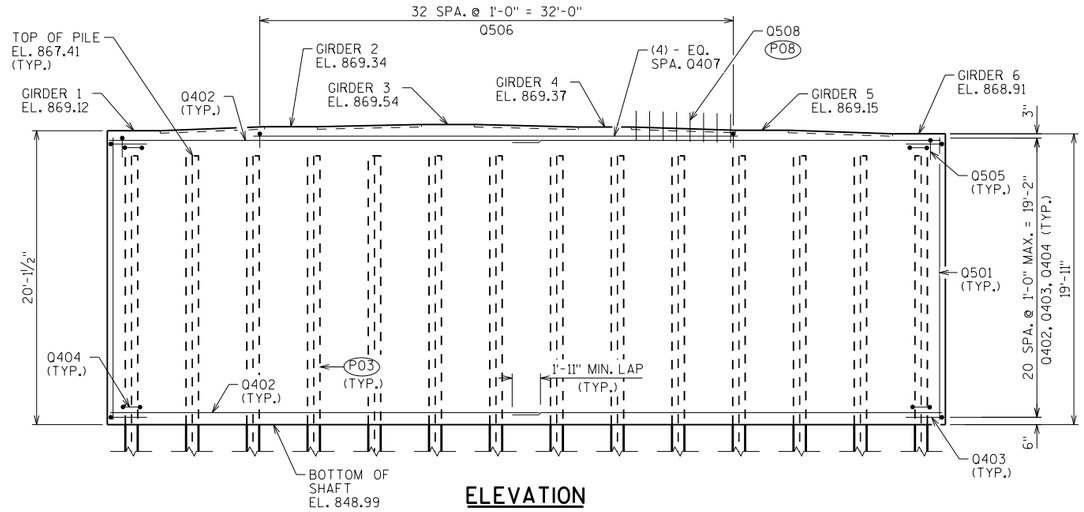
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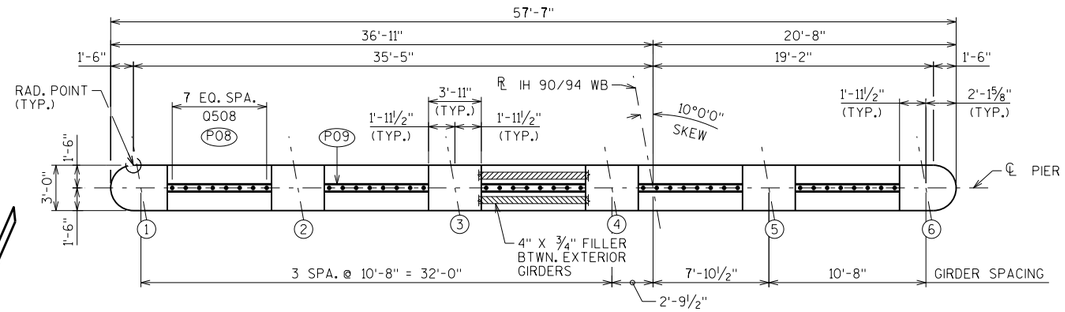
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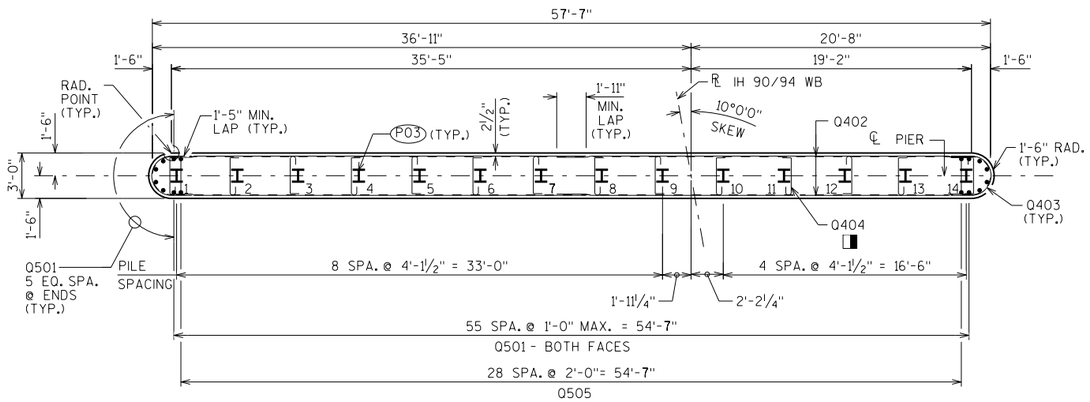
1016-05-70



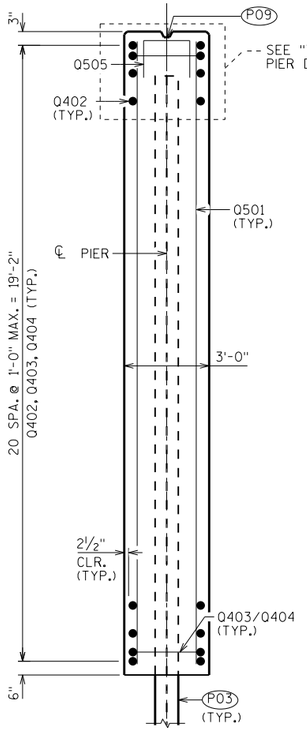
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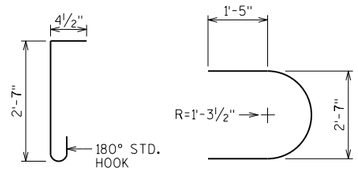
TOP OF SHAFT PLAN



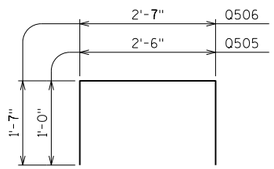
PILE & SHAFT PLAN



END VIEW



Q404 Q403

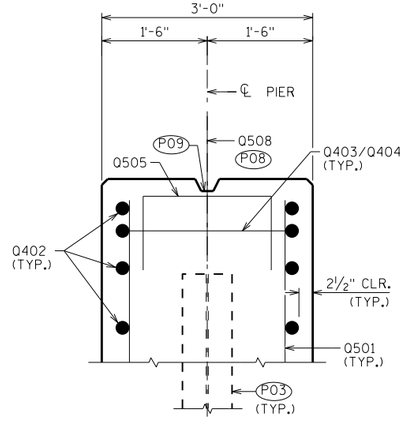


Q505, Q506

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
0501		120	19'-2"			SHAFT-VERT.
0402		84	28'-3"			SHAFT- HORIZ. BOTH FACES
0403		42	6'-9"	X		SHAFT-HORIZ. ENDS
0404		294	3'-5"	X		SHAFT-HORIZ. TIE BARS AT PILES
0505		29	4'-3"	X		SHAFT-VERT. TOP - U-BARS
0506		33	5'-6"	X		VERT.-TOP-U-BARS
0407		4	32'-4"			HORIZ.-TOP
0508	X	40	2'-0"			VERT.-TOP-DOWELS



TOP OF PIER DETAIL

◨ PLACE ADJACENT TO EACH PILE ONLY. TIE TO NEAREST VERT. #5 BAR. ALTERNATE THE POSITION OF THE 90° AND 180° HOOKS AT EACH VERTICAL LAYER.

(P03) SUPPORT PIER ON HP 12 X 53 STEEL PILING, ESTIMATED 85'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE. PILE POINTS REQ'D.

(P08) 0508 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONST. JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

NO.	DATE	REVISION	BY

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

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PIER 2

SHEET 10

918

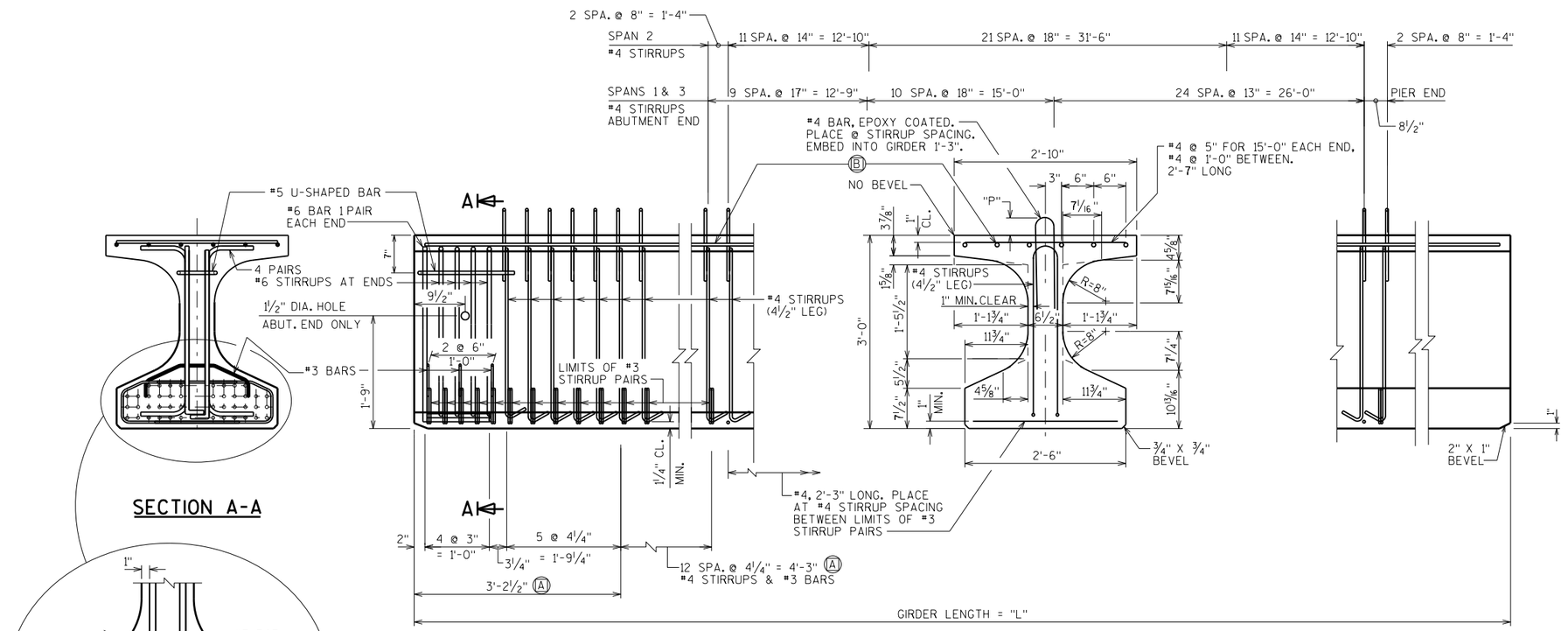
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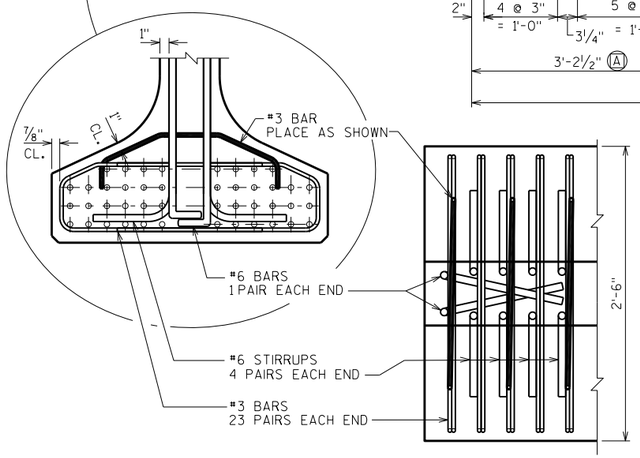
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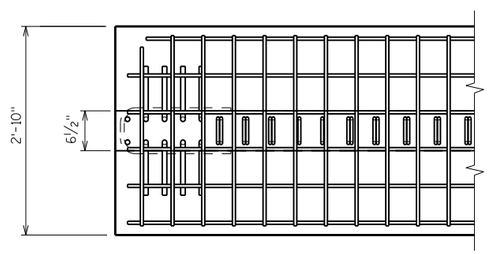
1016-05-70



SECTION A-A



BOTTOM FLANGE



TOP FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

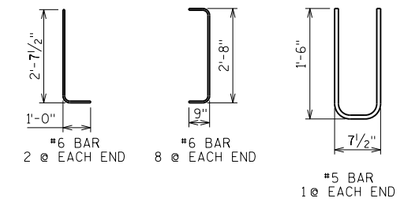
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

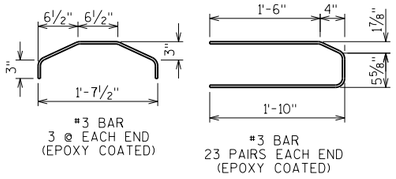
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" & "STEEL DIAPHRAGM LOCATIONS" SHEETS.





GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	1 & 6	69.38	0.28	0.52	0.72	0.84	0.88	0.83	0.71	0.52	0.27	8,000	7.0	7.0	7.0	0.6	22	6,400	32.0	11.0	14.0	4.0		
1	2-5	69.38	0.33	0.63	0.86	1.01	1.05	1.00	0.85	0.62	0.33	8,000	7.0	7.0	7.0	0.6	22	6,400	32.0	11.0	14.0	4.0		
2	1 & 6	74.75	0.37	0.71	0.97	1.14	1.20	1.14	0.97	0.71	0.37	8,000	7.0	7.0	7.0	0.6	24	6,400	32.0	11.0	14.0	4.0		
2	2-5	74.75	0.45	0.86	1.17	1.38	1.45	1.38	1.17	0.86	0.45	8,000	7.0	7.0	7.0	0.6	24	6,400	32.0	11.0	14.0	4.0		
3	1 & 6	69.38	0.27	0.52	0.71	0.83	0.88	0.84	0.72	0.52	0.28	8,000	7.0	7.0	7.0	0.6	22	6,400	32.0	11.0	14.0	4.0		
3	2-5	69.38	0.33	0.62	0.85	1.00	1.05	1.01	0.86	0.63	0.33	8,000	7.0	7.0	7.0	0.6	22	6,400	32.0	11.0	14.0	4.0		

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

36W" PRESTRESSED GIRDER DETAILS 1

SHEET 11

919

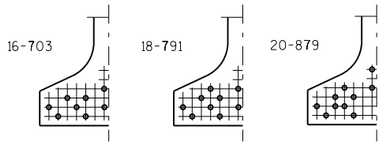
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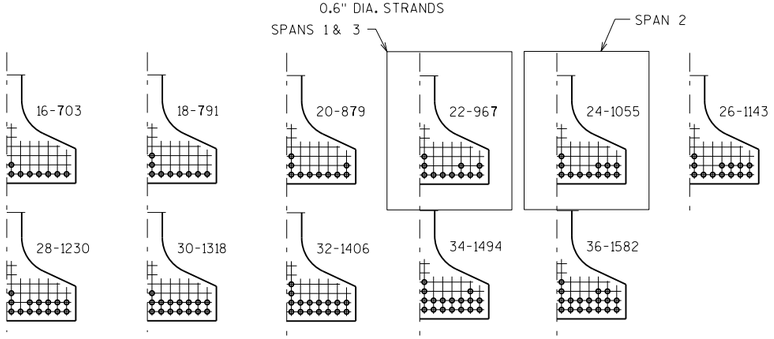
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STATE PROJECT NUMBER

1016-05-70

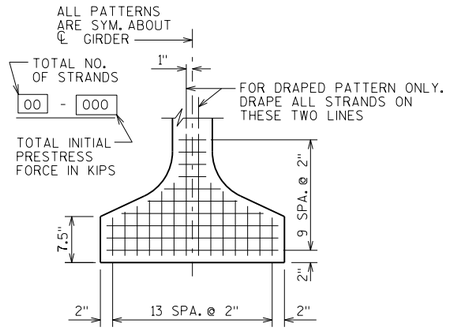


STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

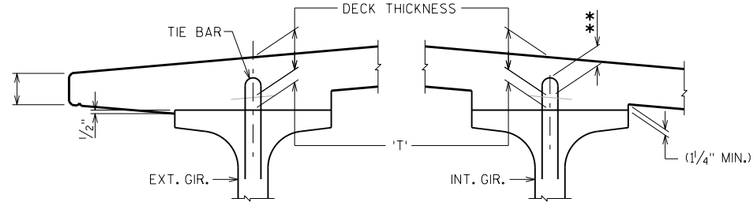


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

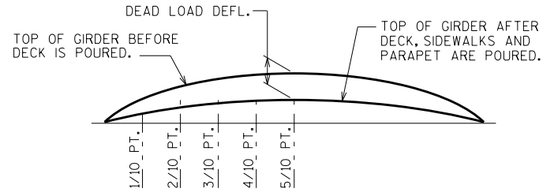
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

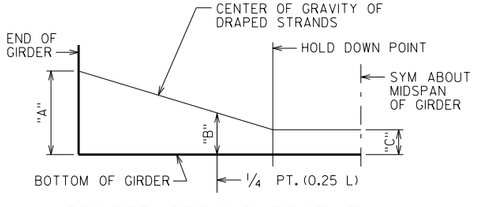
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 2¾" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	1.78
2	2.17
3	1.78

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

36W" PRESTRESSED GIRDER DETAILS 2

SHEET 12

920

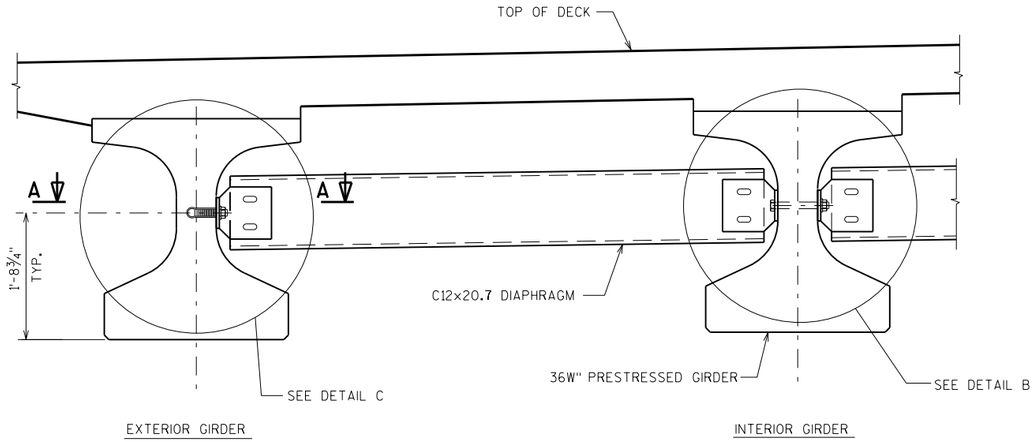
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STATE PROJECT NUMBER

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PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

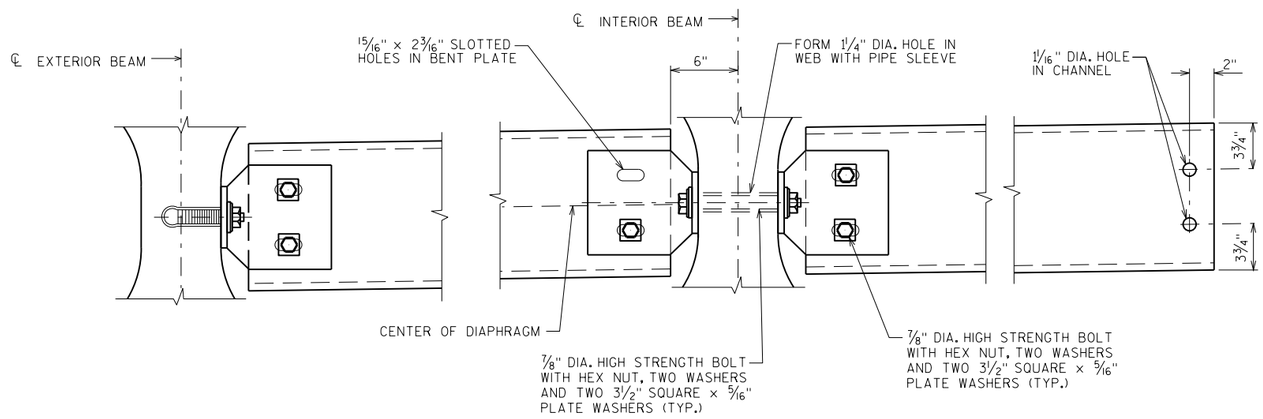
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-29-153", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

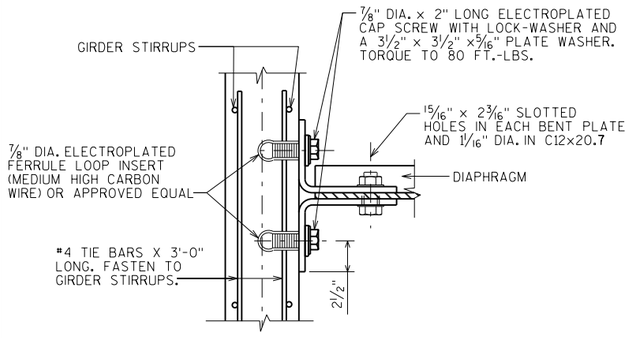
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

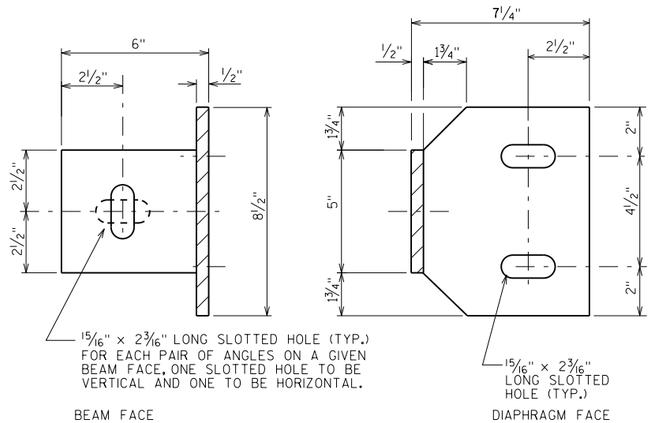


DETAIL C

DETAIL B

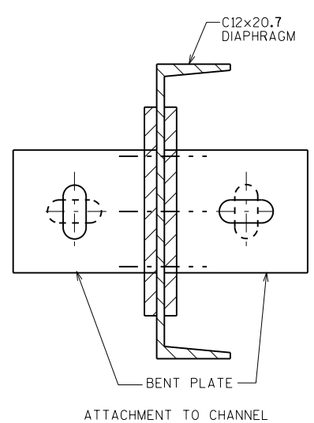


SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE

DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

STEEL DIAPHRAGM

SHEET 13

921

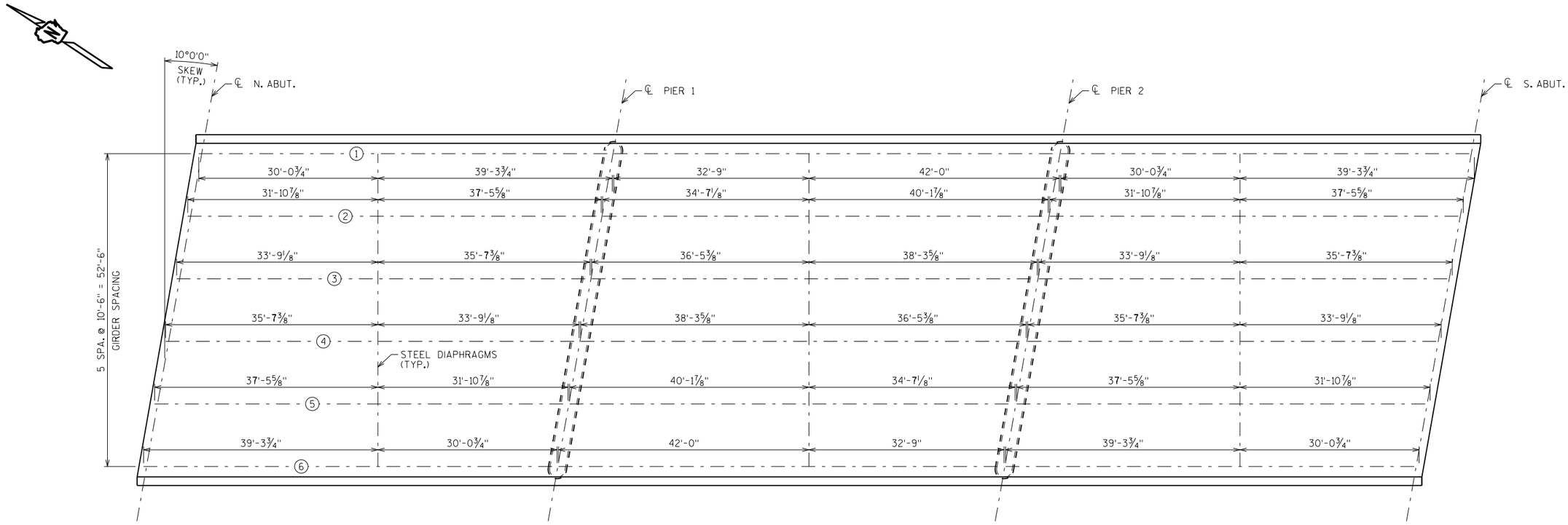
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8

SCALE = 1.00

STATE PROJECT NUMBER

1016-05-70



STEEL DIAPHRAGM LOCATIONS

DIMENSIONS FROM ENDS OF GIRDERS

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

STEEL DIAPHRAGM LOCATIONS

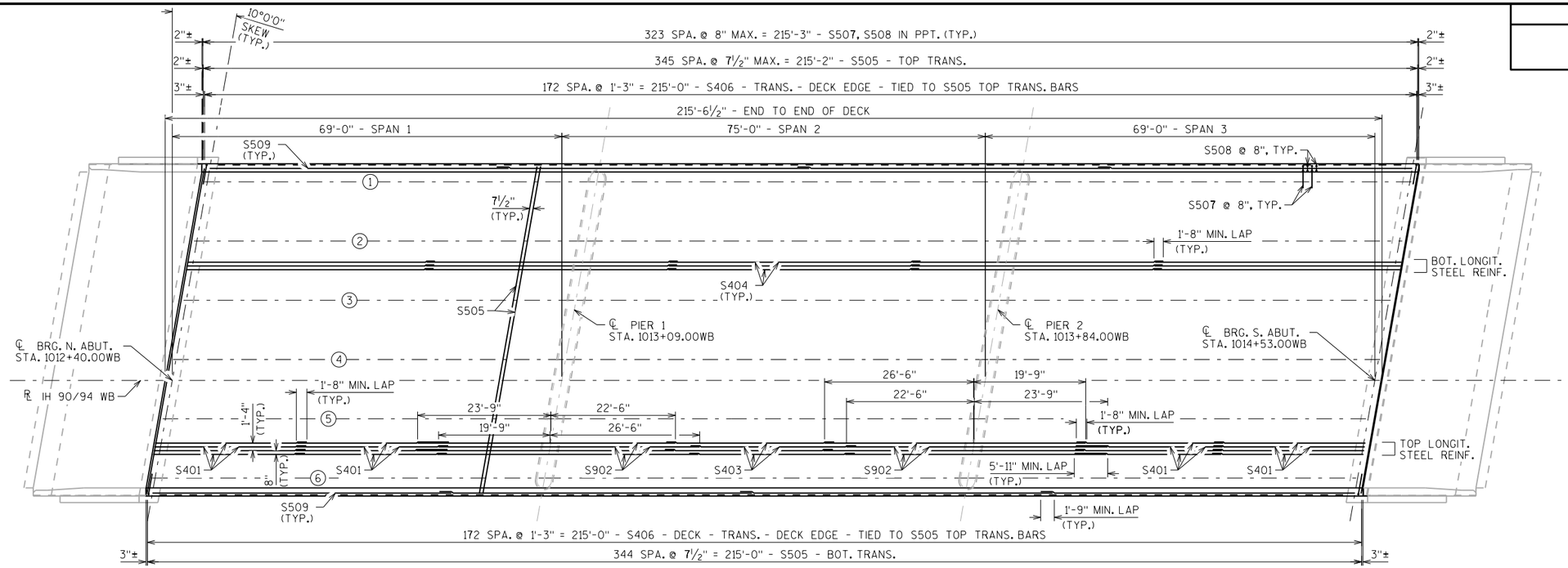
SHEET 14

922

SCALE = 9.00

STATE PROJECT NUMBER

1016-05-70



PLAN

TOP OF DECK ELEVATIONS

	SPAN 1										
	℄ N. ABUT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ PIER 1
E. EOD	872.43	872.47	872.50	872.54	872.57	872.61	872.64	872.67	872.71	872.74	872.78
GIRDER 1	872.47	872.50	872.53	872.57	872.60	872.64	872.67	872.71	872.74	872.78	872.81
GIRDER 2	872.67	872.70	872.73	872.77	872.80	872.84	872.87	872.91	872.94	872.98	873.01
GIRDER 3	872.87	872.90	872.94	872.97	873.00	873.04	873.07	873.11	873.14	873.18	873.21
CROWN	872.89	872.93	872.96	872.99	873.03	873.06	873.10	873.13	873.17	873.20	873.24
GIRDER 4	872.70	872.73	872.77	872.80	872.84	872.87	872.90	872.94	872.97	873.01	873.04
GIRDER 5	872.48	872.51	872.55	872.58	872.62	872.65	872.69	872.72	872.75	872.79	872.82
GIRDER 6	872.26	872.29	872.33	872.36	872.40	872.43	872.47	872.50	872.53	872.57	872.60
W. EOD	872.22	872.26	872.29	872.32	872.36	872.39	872.43	872.46	872.50	872.53	872.57

	SPAN 2										
	℄ PIER 1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ PIER 2
E. EOD	872.78	872.82	872.85	872.89	872.93	872.97	873.00	873.04	873.08	873.12	873.15
GIRDER 1	872.81	872.85	872.89	872.92	872.96	873.00	873.04	873.07	873.11	873.15	873.19
GIRDER 2	873.01	873.05	873.09	873.12	873.16	873.20	873.24	873.27	873.31	873.35	873.39
GIRDER 3	873.21	873.25	873.29	873.32	873.36	873.40	873.44	873.47	873.51	873.55	873.59
CROWN	873.24	873.27	873.31	873.35	873.39	873.42	873.46	873.50	873.54	873.57	873.61
GIRDER 4	873.04	873.08	873.12	873.15	873.19	873.23	873.27	873.30	873.34	873.38	873.42
GIRDER 5	872.82	872.86	872.90	872.94	872.97	873.01	873.05	873.09	873.12	873.16	873.20
GIRDER 6	872.60	872.64	872.68	872.72	872.75	872.79	872.83	872.87	872.90	872.94	872.98
W. EOD	872.57	872.60	872.64	872.68	872.72	872.75	872.79	872.83	872.87	872.90	872.94

	SPAN 3										
	℄ PIER 2	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ S. ABUT.
E. EOD	873.15	873.19	873.22	873.26	873.29	873.33	873.36	873.39	873.43	873.46	873.50
GIRDER 1	873.19	873.22	873.25	873.29	873.32	873.36	873.39	873.43	873.46	873.50	873.53
GIRDER 2	873.39	873.42	873.45	873.49	873.52	873.56	873.59	873.63	873.66	873.70	873.73
GIRDER 3	873.59	873.62	873.66	873.69	873.72	873.76	873.79	873.83	873.86	873.90	873.93
CROWN	873.61	873.65	873.68	873.71	873.75	873.78	873.82	873.85	873.89	873.92	873.96
GIRDER 4	873.42	873.45	873.49	873.52	873.56	873.59	873.62	873.66	873.69	873.73	873.76
GIRDER 5	873.20	873.23	873.27	873.30	873.34	873.37	873.41	873.44	873.47	873.51	873.54
GIRDER 6	872.98	873.01	873.05	873.08	873.12	873.15	873.19	873.22	873.25	873.29	873.32
W. EOD	872.94	872.98	873.01	873.04	873.08	873.11	873.15	873.18	873.22	873.25	873.29

8

8

○ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

SUPERSTRUCTURE DETAILS 1

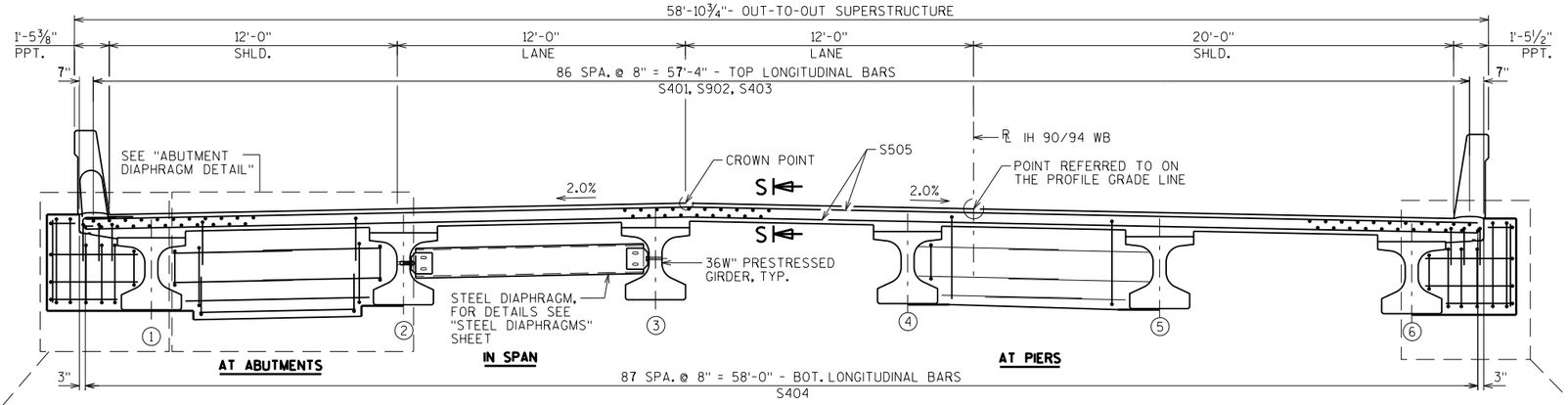
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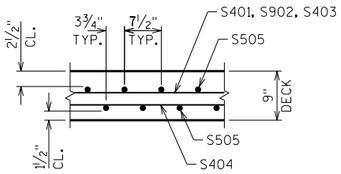
STATE PROJECT NUMBER

1016-05-70

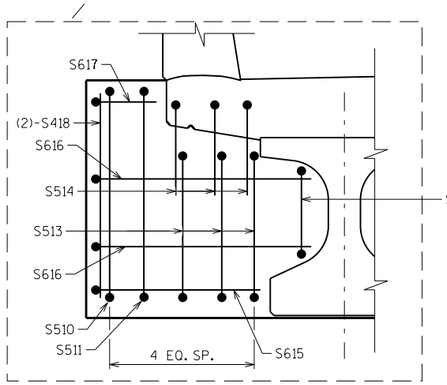


CROSS SECTION THRU ROADWAY

LOOKING UPSTATION

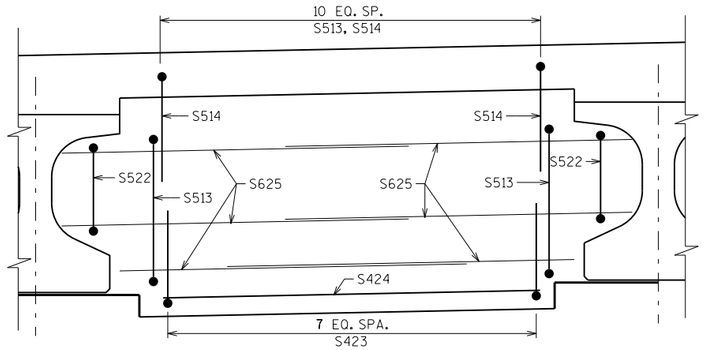


SECTION S-S

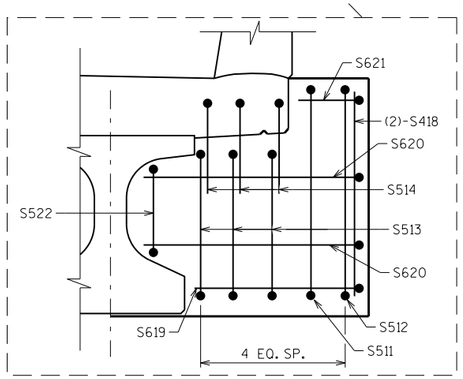


ABUTMENT END DIAPHRAGM DETAIL

(TYP. AT WINGS 1 & 3)

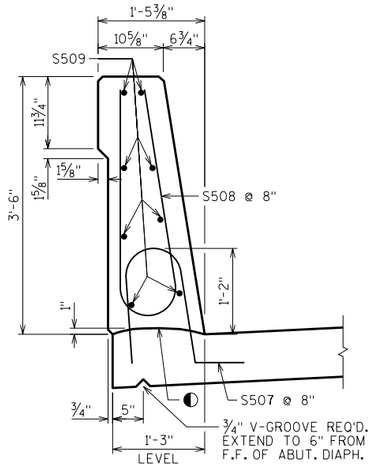


ABUTMENT DIAPHRAGM DETAIL

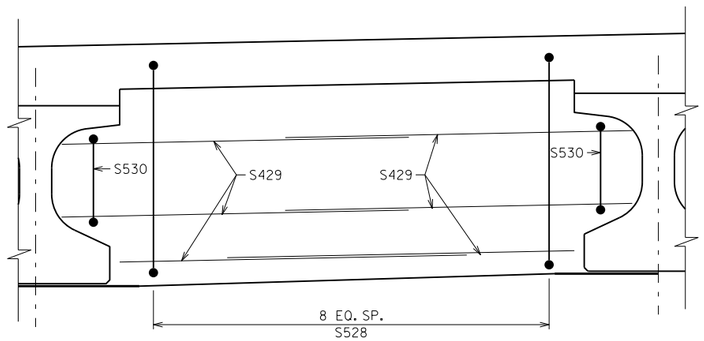


ABUTMENT END DIAPHRAGM DETAIL

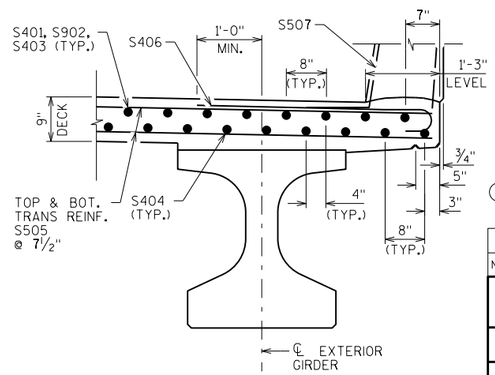
(TYP. AT WINGS 2 & 4)



SECTION THRU PARAPET ON DECK



PIER DIAPHRAGM DETAIL



EDGE OF DECK DETAIL

(TYP. AT BOTH EDGES)

◯ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

SUPERSTRUCTURE DETAILS 2

SHEET 16

924

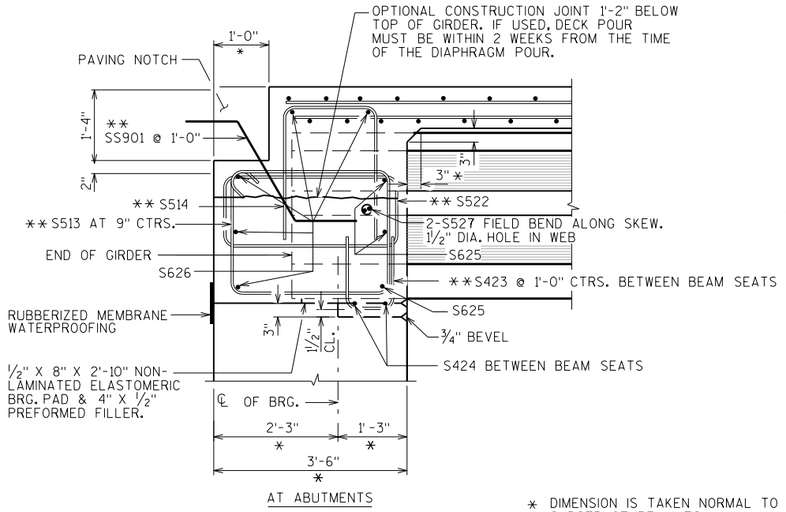
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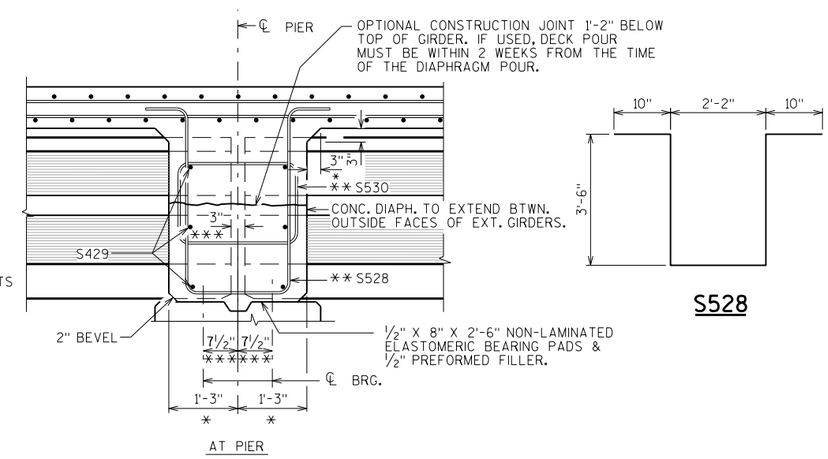
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8

STATE PROJECT NUMBER

1016-05-70





S528

PART LONGIT. SECTION

* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

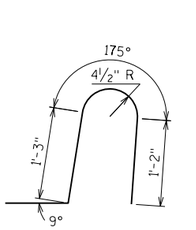
*** DIMENSION IS TAKEN PARALLEL TO ℄ GIRDERS

BILL OF BARS

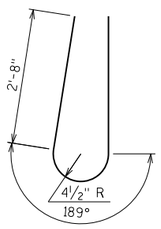
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	348	26'-11"			DECK - LONG. - TOP
S902	X	174	46'-3"			DECK - LONG. - TOP
S403	X	87	29'-4"			DECK - LONG. - TOP
S404	X	440	44'-10"			DECK - LONG. - BOT.
S505	X	691	59'-1"			DECK - TRANS. - TOP & BOT.
S406	X	346	4'-5"	X		DECK - TRANS. - DECK EDGE
S507	X	648	4'-5"	X		DECK/PARAPET - VERT.
S508	X	648	6'-8"	X		PPT. - VERT.
S509	X	64	55'-9"			PPT. - HORIZ.
S510	X	2	13'-10"	X		ABUT. DIAPH. - ENDS - VERT. - WINGS 1 & 3
S511	X	4	14'-4"	X		ABUT. DIAPH. - ENDS - VERT.
S512	X	2	14'-8"	X		ABUT. DIAPH. - ENDS - VERT. - WINGS 2 & 4
S513	X	122	11'-8"	X		ABUT. DIAPH. - VERT.
S514	X	122	7'-1"	X		ABUT. DIAPH. - VERT.
S615	X	2	9'-8"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 1 & 3
S616	X	4	10'-8"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 1 & 3
S617	X	2	4'-5"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 1 & 3
S418	X	8	3'-8"			ABUT. DIAPH. - ENDS - VERT.
S619	X	2	10'-1"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 2 & 4
S620	X	4	10'-11"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 2 & 4
S621	X	2	4'-10"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 2 & 4
S522	X	24	10'-2"	X		ABUT. DIAPH. - VERT.
S423	X	80	3'-3"	X		ABUT. DIAPH. - VERT. - BTWN. BEAM SEATS
S424	X	20	6-10"			ABUT. DIAPH. - HORIZ. - BTWN. BEAM SEATS
S625	X	60	6'-0"			ABUT. DIAPH. - HORIZ.
S626	X	20	32'-6"			ABUT. DIAPH. - HORIZ.
S527	X	24	6'-0"			ABUT. DIAPH. - HORIZ. - THRU GIR.
S528	X	45	10'-4"	X		PIER. DIAPH. - VERT.
S429	X	60	6'-0"			PIER. DIAPH. - HORIZ.
S530	X	20	8'-2"	X		PIER. DIAPH. - VERT.
SS901		120	5'-0"	X		ABUT. DIAPH.-PAVING NOTCH

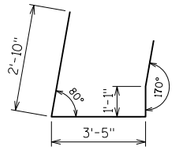
STAINLESS STEEL



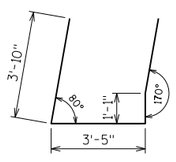
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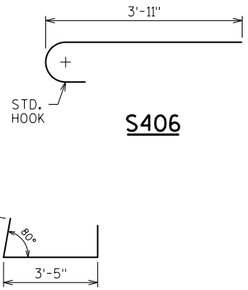
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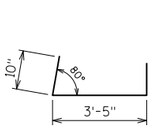
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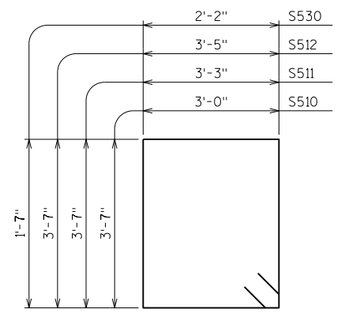
S620



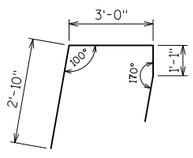
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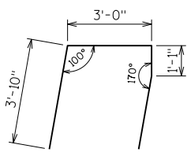
S621



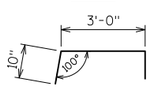
S510, S511, S512, S530



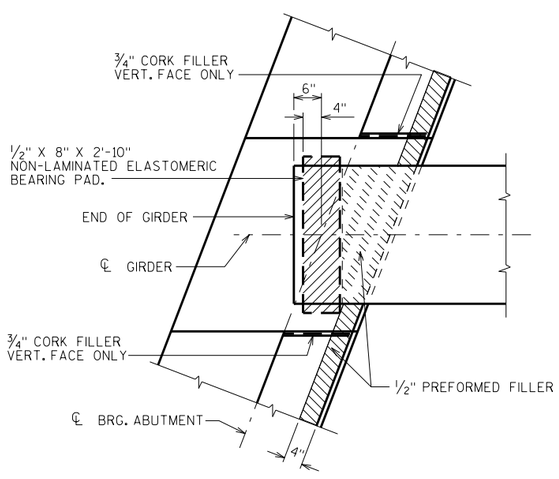
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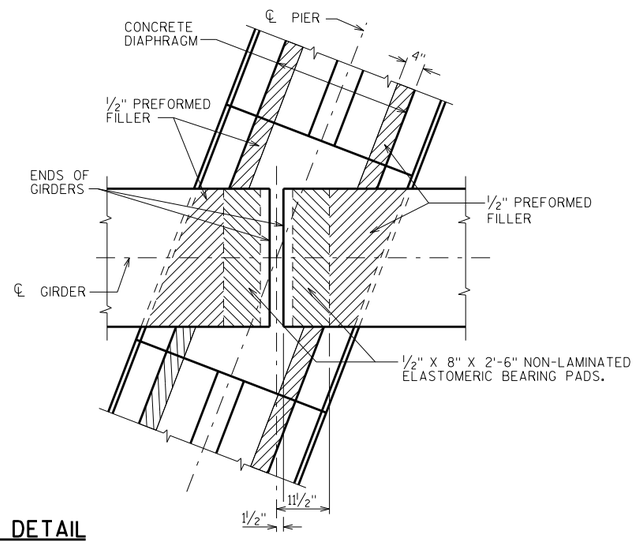


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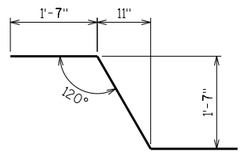


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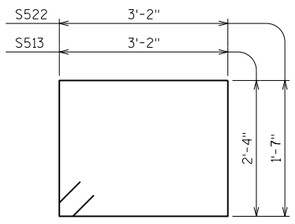




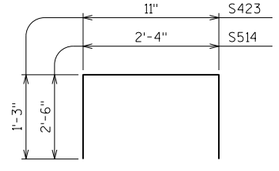
BEARING PAD DETAIL



SS901



S513, S522



S514, S423

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

SUPERSTRUCTURE DETAILS 3

SHEET 17

925

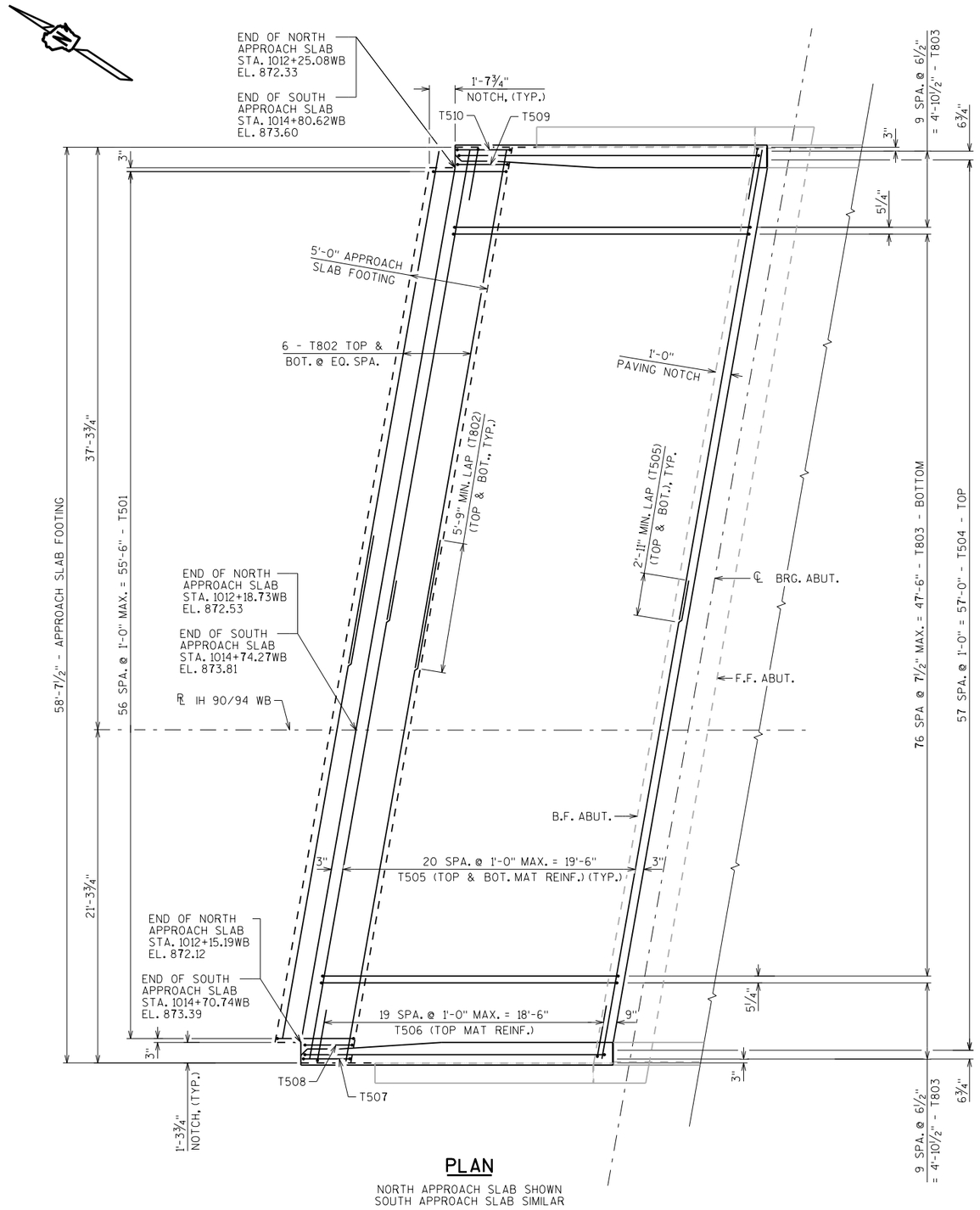
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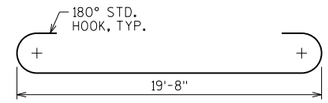
STATE PROJECT NUMBER

1016-05-70

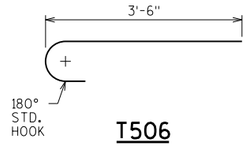


PLAN

NORTH APPROACH SLAB SHOWN
SOUTH APPROACH SLAB SIMILAR



T803

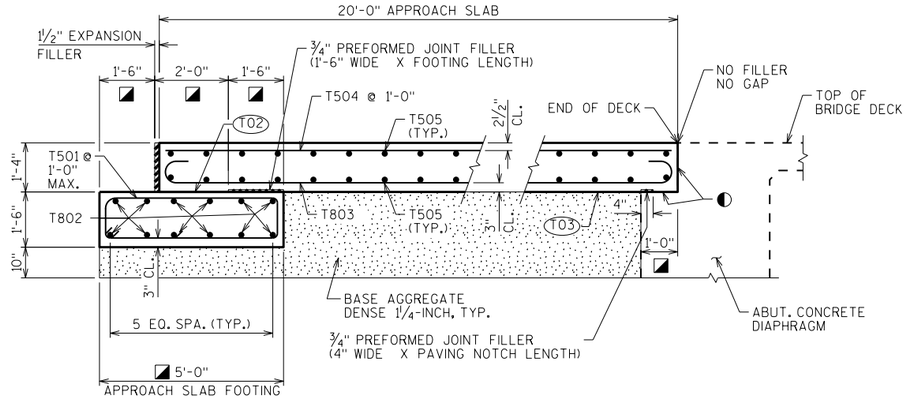


T506

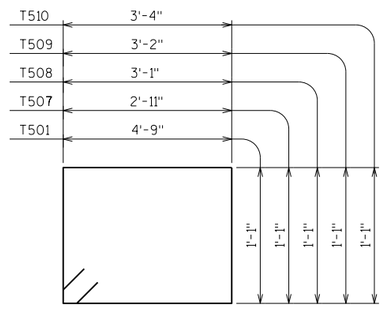
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D. NORTH	NO. REQ'D. SOUTH	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	57	57	12'-4"	X		FOOTING - STIRRUP
T802	X	24	24	32'-6"			FOOTING - HORIZ.
T803	X	97	97	21'-6"	X		APP. SLAB - BOTTOM - LONGITUDINAL
T504	X	60	60	19'-8"			APP. SLAB - TOP - LONGITUDINAL
T505	X	84	84	31'-1"			APP. SLAB - TOP & BOT. TRANSVERSE
T506	X	40	40	4'-1"	X		APP. SLAB - TRANSVERSE - EDGES
T507	X	1	1	8'-8"	X		FOOTING- NOTCHES - WINGS 1& 3
T508	X	1	1	9'-0"	X		FOOTING- NOTCHES - WINGS 1& 3
T509	X	1	1	9'-2"	X		FOOTING- NOTCHES - WINGS 2 & 4
T510	X	1	1	9'-6"	X		FOOTING- NOTCHES - WINGS 2 & 4



SECTION THRU APPROACH SLAB



T501, T507, T508, T509, T510

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE SUBGRADE BENEATH SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

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STRUCTURAL APPROACH SLAB

SHEET 18

926

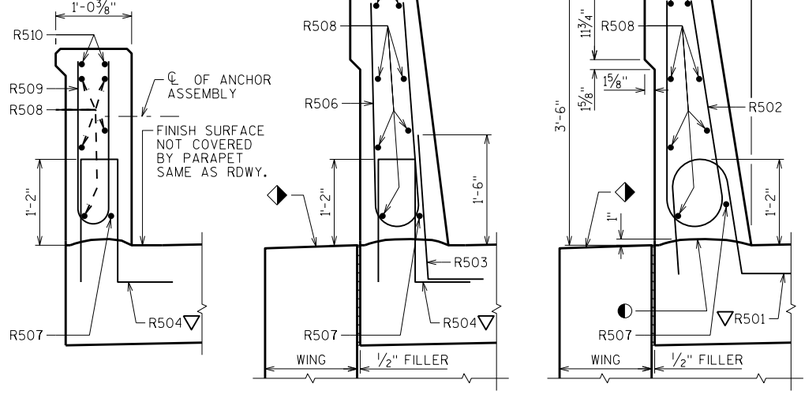
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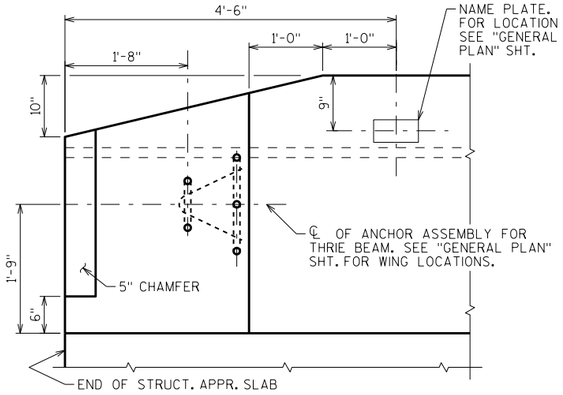
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STATE PROJECT NUMBER

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SECTION A-A SECTION B-B SECTION C-C



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

BILL OF BARS

FOR ABUTMENT PARAPETS

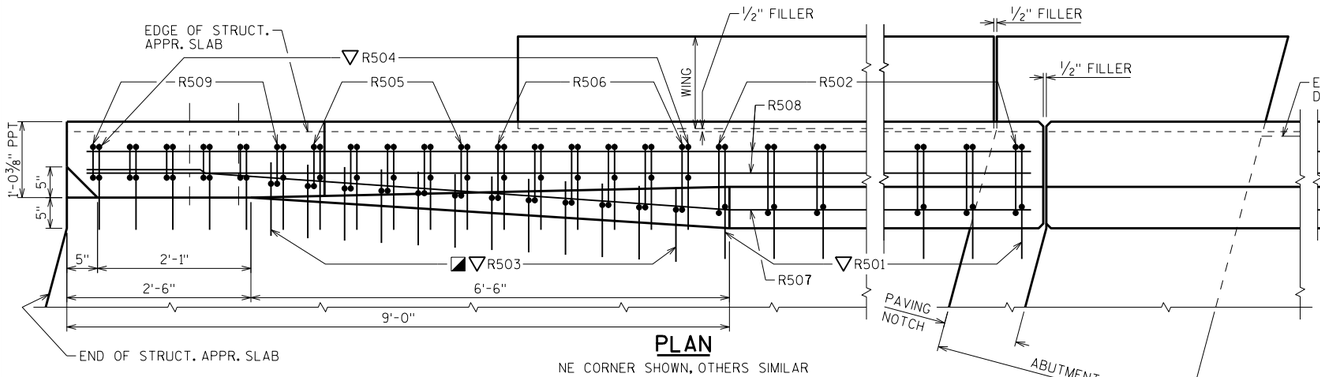
BAR MARK	COAT	NORTH APPR.	SOUTH APPR.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	36	36	4'-5"	X		PARAPET VERT.
R502	X	36	36	6'-8"	X		PARAPET VERT.
R503	X	24	24	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	10	10	6'-5"	X		PARAPET VERT.
R506	X	12	12	6'-6"	X		PARAPET VERT.
R507	X	2	2	19'-8"	X		PARAPET HORIZ.
R508	X	10	10	19'-8"			PARAPET HORIZ.
R509	X	12	12	5'-5"	X	⚠	PARAPET VERT.
R510	X	4	4	19'-8"	X		PARAPET HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

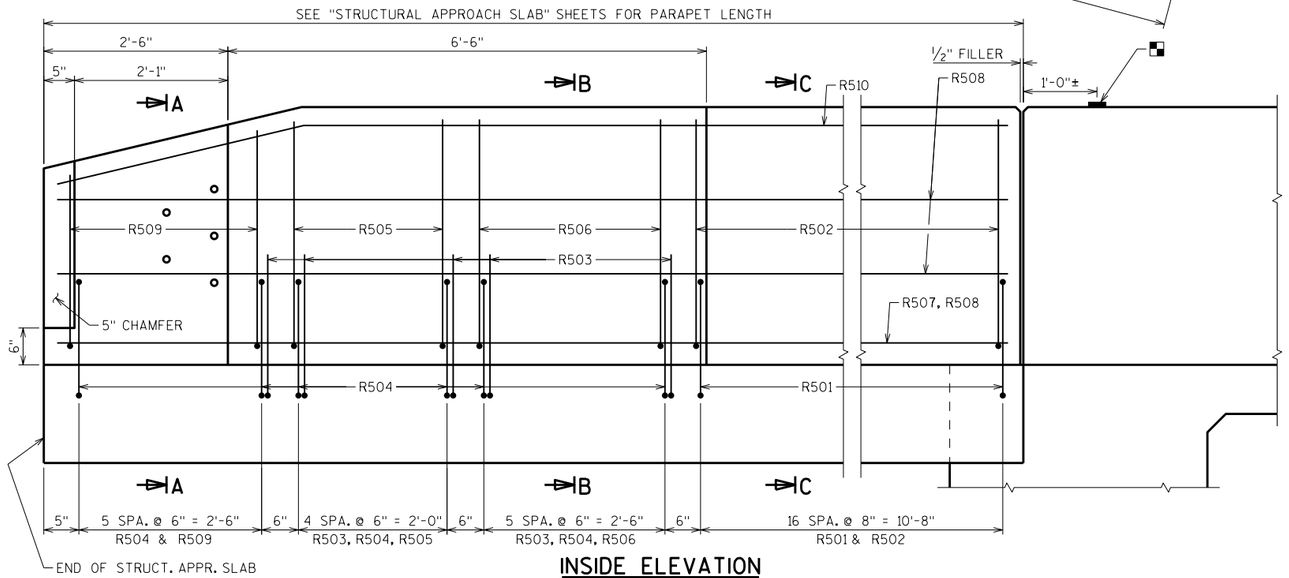
BAR MARK	NO. REQ'D	LENGTH
R509	4 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.



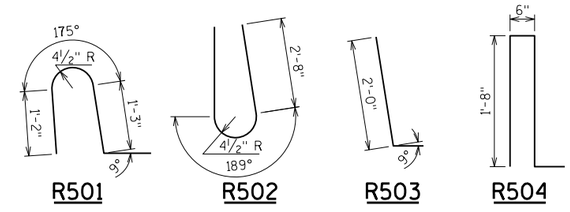
PLAN

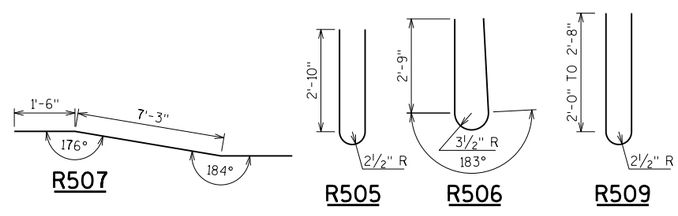
NE CORNER SHOWN, OTHERS SIMILAR



INSIDE ELEVATION

NE CORNER SHOWN, OTHERS SIMILAR
WING & STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY





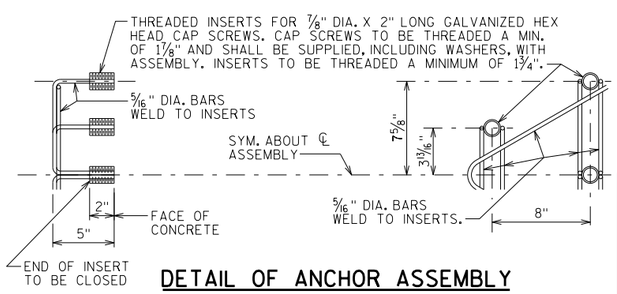
■ BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.

◐ CONST. JOINT - STRIKE OFF AS SHOWN

◆ SLOPE FOR DRAINAGE

◪ USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

DRAWN BY MJH | PLANS CK'D. JLR

SINGLE SLOPE PARAPET 42SS

SHEET 19

927

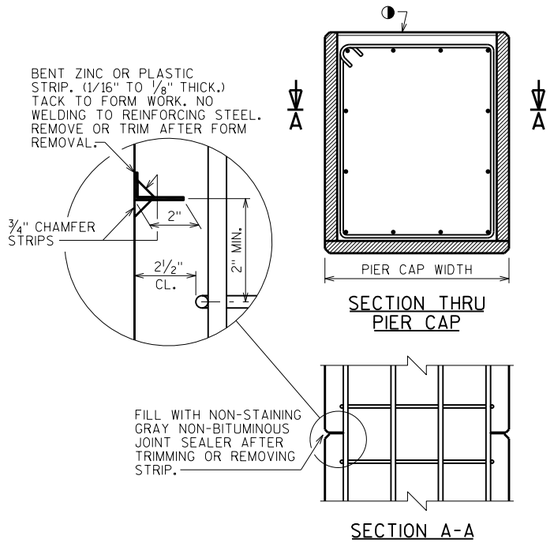
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STATE PROJECT NUMBER

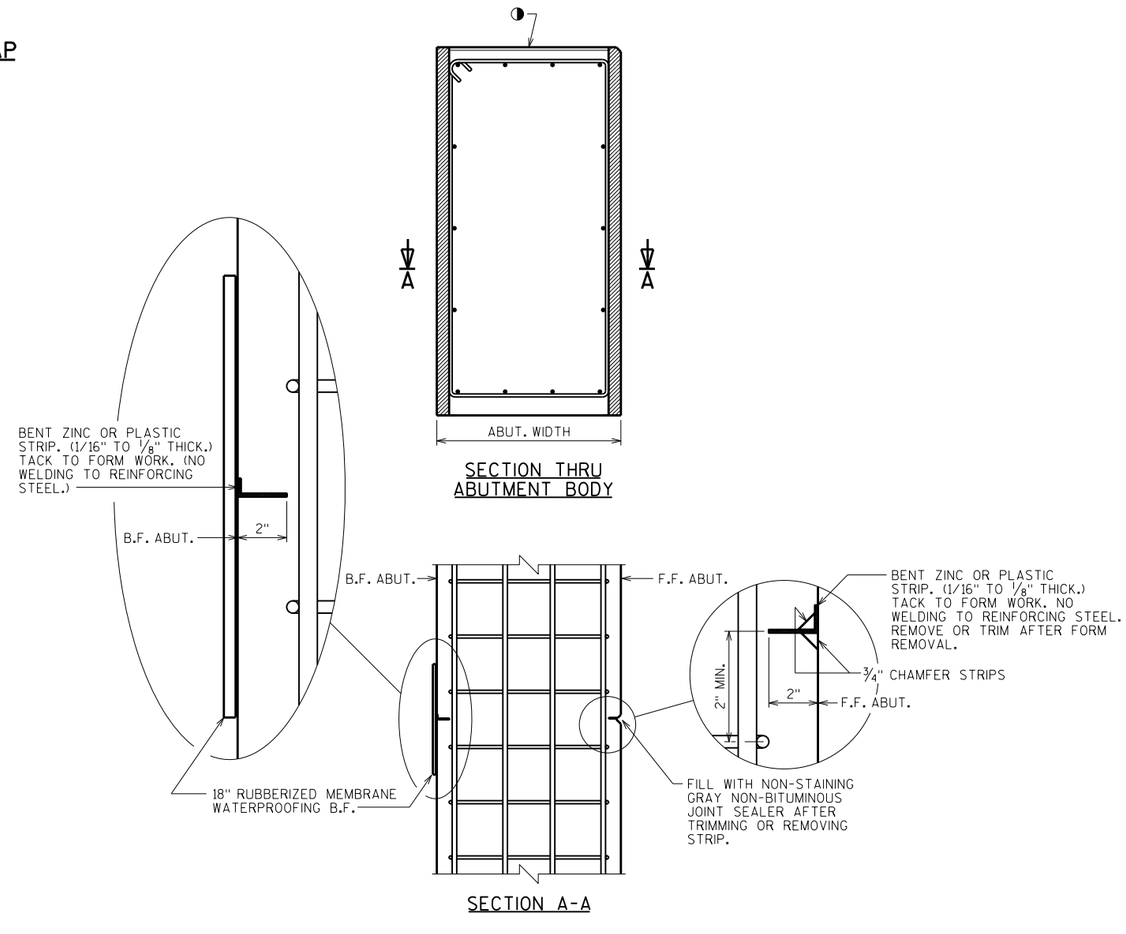
1016-05-70



SECTION THRU PIER CAP

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT PIER CAP



SECTION THRU ABUTMENT BODY

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-153

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ALTERNATE CONSTRUCTION JOINT

SHEET 20

928

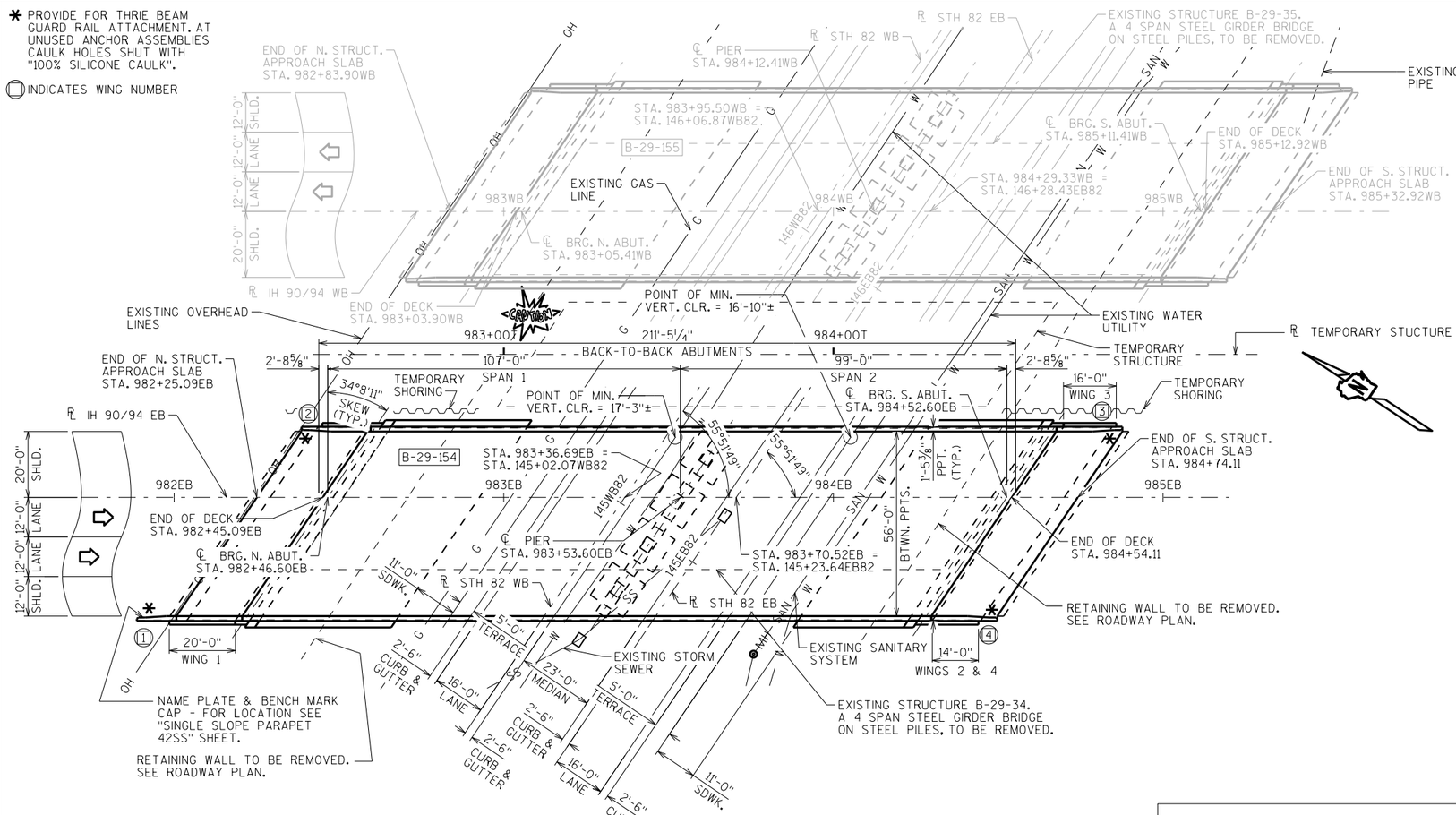
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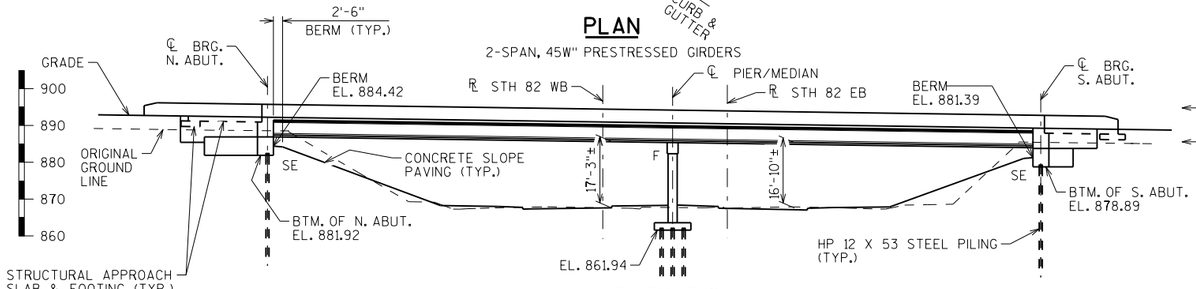
✱ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER



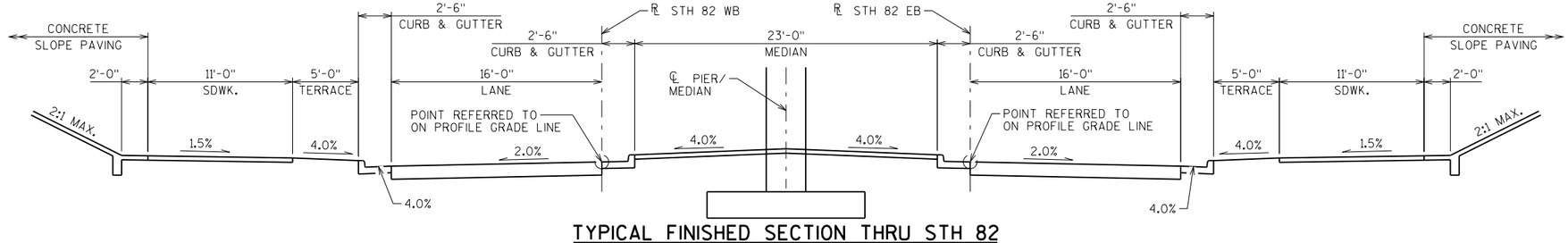
PLAN

2-SPAN, 45W" PRESTRESSED GIRDERS



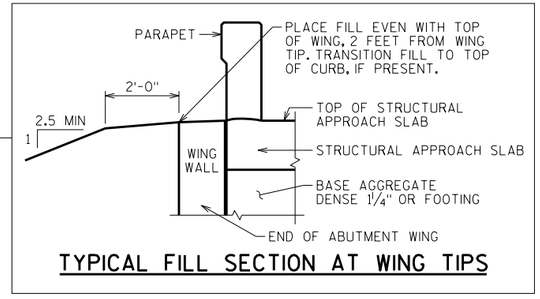
ELEVATION

NORMAL TO STH 82



TYPICAL FINISHED SECTION THRU STH 82

NORMAL TO STH 82



TYPICAL FILL SECTION AT WING TIPS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.03
OPERATING RATING FACTOR: RF = 1.34
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250(KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

45W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 12 X 53 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 65 FEET LONG AT NORTH ABUTMENT.
ESTIMATED 75 FEET LONG AT SOUTH ABUTMENT.

PIER TO BE SUPPORTED ON HP 12 X 53 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 60 FEET LONG.

✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH 90/94
ADT = 44,100 (2042)
R.D.S. = 70 M.P.H.

STH 82
ADT = 19,700 (2042)
R.D.S. = 50 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. GENERAL NOTES & DETAILS
4. SUBSURFACE EXPLORATION
5. NORTH ABUTMENT
6. NORTH ABUTMENT DETAILS
7. SOUTH ABUTMENT
8. SOUTH ABUTMENT DETAILS
9. PIER
10. PIER DETAILS
11. 45W" PRESTRESSED GIRDER DETAILS 1
12. 45W" PRESTRESSED GIRDER DETAILS 2
13. STEEL DIAPHRAGM
14. SUPERSTRUCTURE
15. SUPERSTRUCTURE DETAILS
16. SINGLE SLOPE PARAPET 42SS AT WINGS 2, 3,&4
17. SINGLE SLOPE PARAPET 42SS AT WING 1
18. SINGLE SLOPE PARAPET 42SS AT WING 1 DETAILS
19. SLOPE PAVING CONCRETE (CAST-IN-PLACE)
20. NORTH STRUCTURAL APPROACH SLAB
21. NORTH STRUCTURAL APPROACH SLAB DETAILS
22. SOUTH STRUCTURAL APPROACH SLAB
23. SOUTH STRUCTURAL APPROACH SLAB DETAILS
24. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:

JONATHON RESHESKE (608) 266-8491
LAURA SHADEWALD (608) 267-9592

STATE PROJECT NUMBER

1016-05-70

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED LLS 12/16/21
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-29-154

IH 90/94 EB OVER STH 82

COUNTY	TOWN
JUNEAU	LEMONWEIR

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JLR	ARC	WWR	JLR

GENERAL PLAN

SHEET 1 OF 24

929

I.D. 1016-05-00C

DATE: OCT. 2021

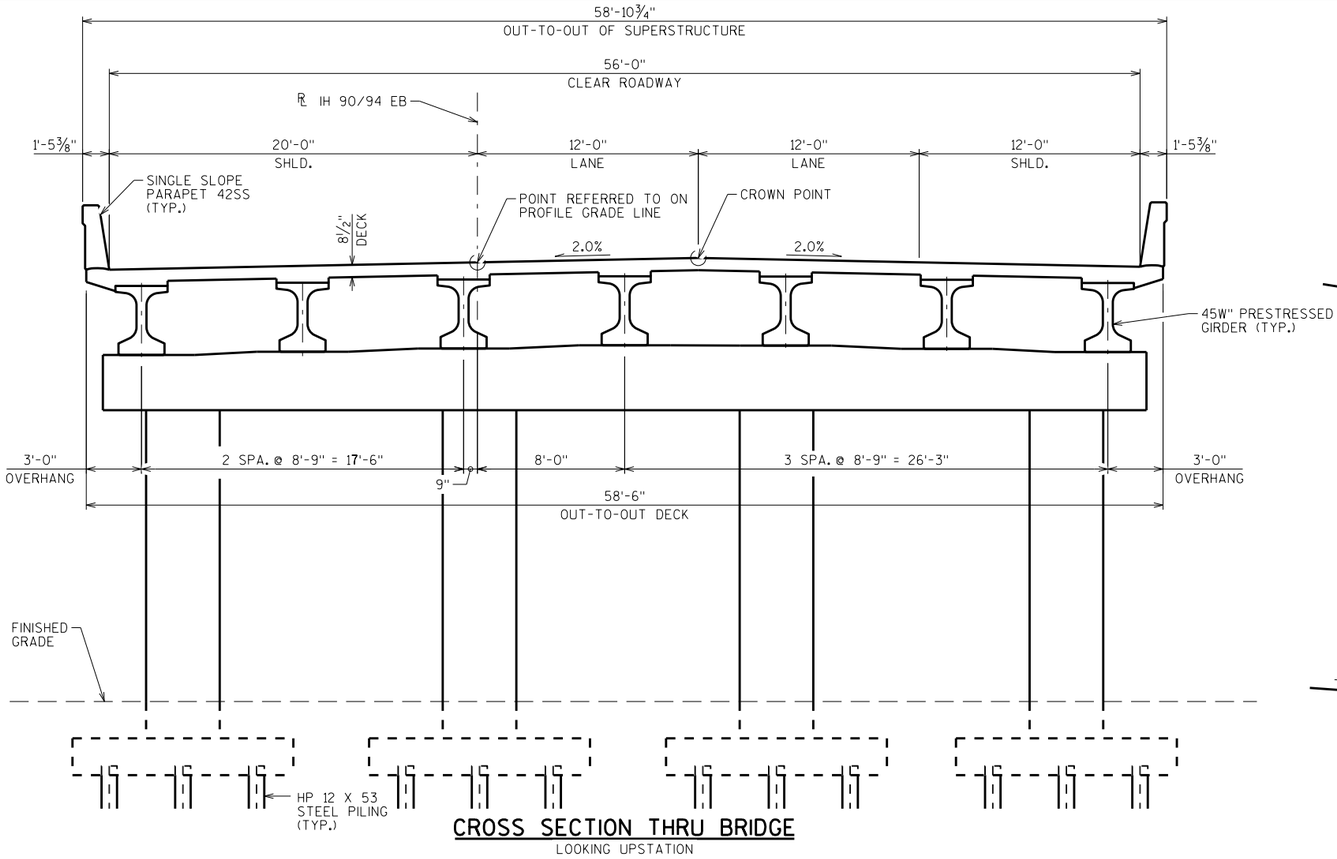
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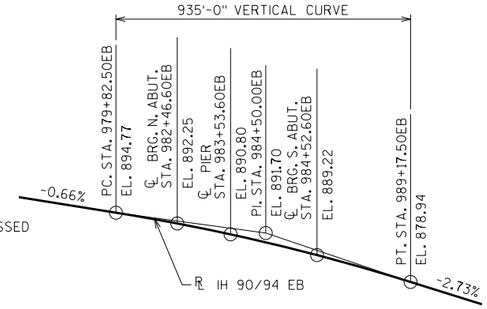
STATE PROJECT NUMBER

1016-05-70

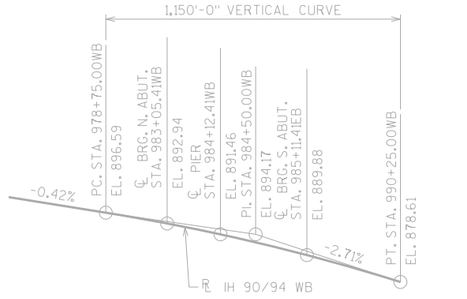


CROSS SECTION THRU BRIDGE

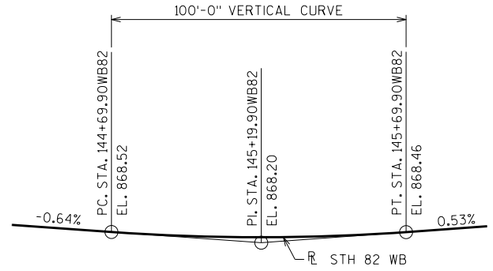
LOOKING UPSTATION



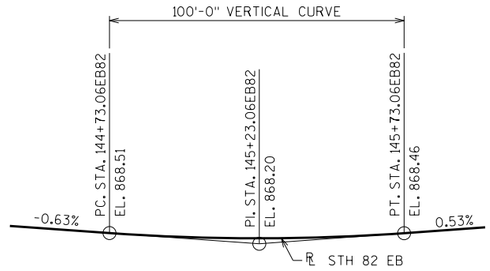
PROFILE GRADE LINE - IH 90/94 EB



PROFILE GRADE LINE - IH 90/94 WB



PROFILE GRADE LINE - STH 82 WB



PROFILE GRADE LINE - STH 82 EB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	N. STRUCT. APP. SLAB	NORTH ABUT.	PIER	SOUTH ABUT.	S. STRUCT. APP. SLAB	TOTALS
203.0220	REMOVING STRUCTURE B-29-34	EACH	———	———	———	———	———	———	1
204.9060.S	REMOVING TEMPORARY STRUCTURE STATION 983+00T	EACH	———	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-29-154	LS	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	297	———	———	———	301	598
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	183	———	———	———	183	366
501.1000.S	ICE HOT WEATHER CONCRETING	LB	3915	655	570	1195	550	630	7515
502.0100	CONCRETE MASONRY BRIDGES	CY	522	87	76	159	73	84	1001
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1338	125	———	———	———	125	1588
502.3210	PIGMENTED SURFACE SEALER	SY	208	26	———	———	———	20	254
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF	1448	———	———	———	———	———	1448
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	5300	5240	5050	———	15,590
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	110,100	15,250	2340	20,430	1820	14,700	164,640
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2040	———	———	———	———	———	2040
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	7	14	7	———	28
506.4000	STEEL DIAPHRAGMS B-29-154	EACH	24	———	———	———	———	———	24
511.1200	TEMPORARY SHORING B-29-154	SF	———	———	400	———	415	———	815
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	16	———	16	———	32
550.0010	PRE-BORING UNCONSOLIDATED MATERIALS	LF	———	———	240	———	240	———	480
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	———	———	780	1920	900	———	3600
604.0400	SLOPE PAVING CONCRETE	SY	———	———	326	———	266	———	592
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	245	———	245	———	490
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	2	———	———	———	2	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	71	———	71	———	142
	NON-BID ITEMS								
	FILLER	SIZE	———	———	———	———	———	———	½", ¾", 1½"

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

CROSS SECTION & QUANTITIES

SHEET 2

930

SCALE = 4.00

STATE PROJECT NUMBER
1016-05-70

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-29-154" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

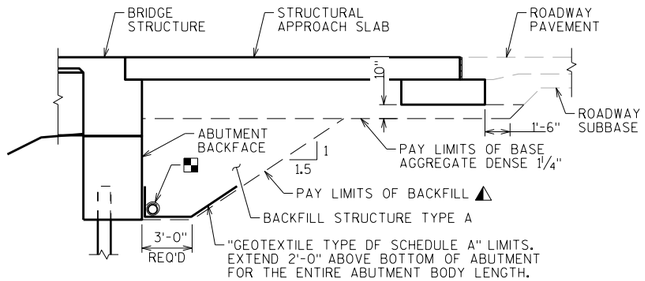
PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH CONCRETE SLOPE PAVING TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "45W PRESTRESSED GIRDER DETAILS 2" SHEET.

VARIABILITY IN DRIVEN PILE TIP ELEVATIONS IS EXPECTED DUE TO SLOPING AND UNDULATING BEDROCK SURFACES.

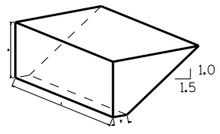
COORDINATE REMOVAL OF EXISTING RETAINING WALLS WITH REMOVAL OF EXISTING BRIDGE AND BRIDGE CONSTRUCTION. RETAINING WALL BLOCKS TO BE RETAINED. SEE ROADWAY PLANS FOR PAYMENT, SPECIAL PROVISIONS, & DETAILS.



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

GENERAL NOTES & DETAILS

SHEET 3

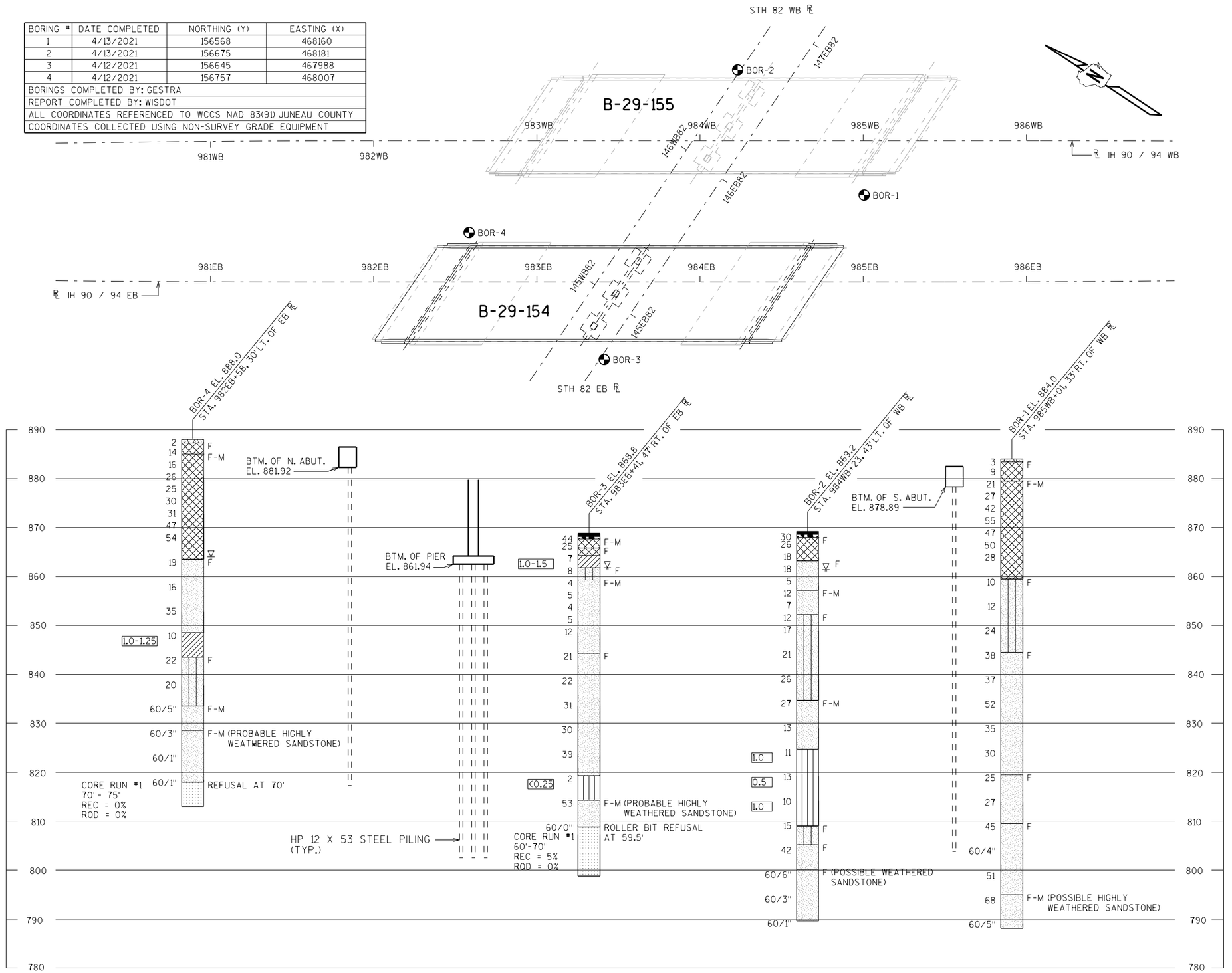
931

SCALE = 4.00

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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	4/13/2021	156568	468160
2	4/13/2021	156675	468181
3	4/12/2021	156645	467988
4	4/12/2021	156757	468007
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			



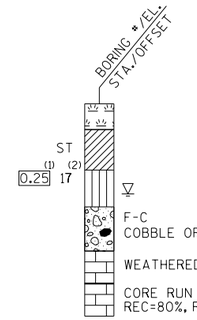
STATE PROJECT NUMBER

1016-05-70

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

▽ AT TIME OF DRILLING

▼ END OF DRILLING

▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

SUBSURFACE EXPLORATION

SHEET 4

932

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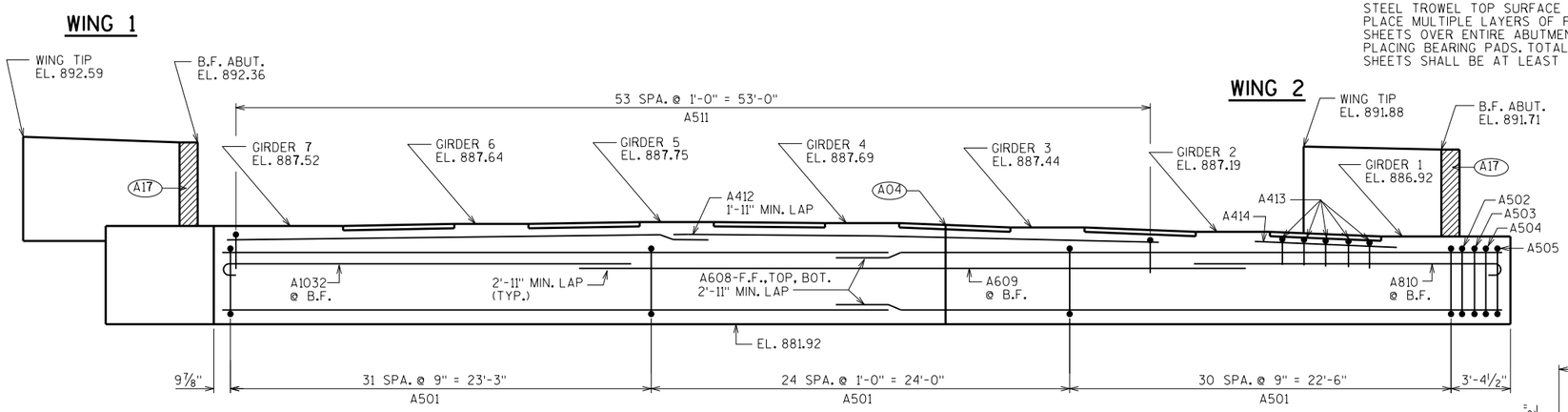
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STATE PROJECT NUMBER

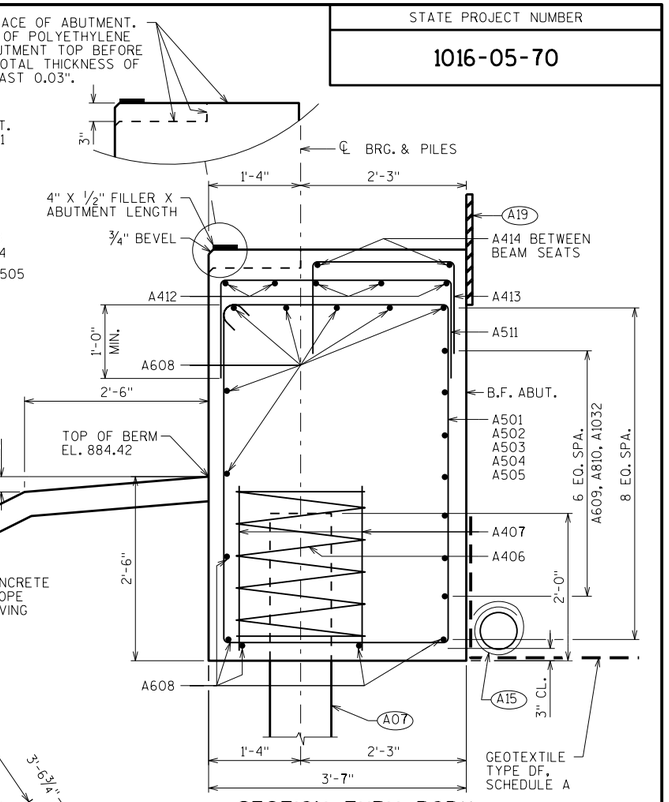
1016-05-70

ELEVATION

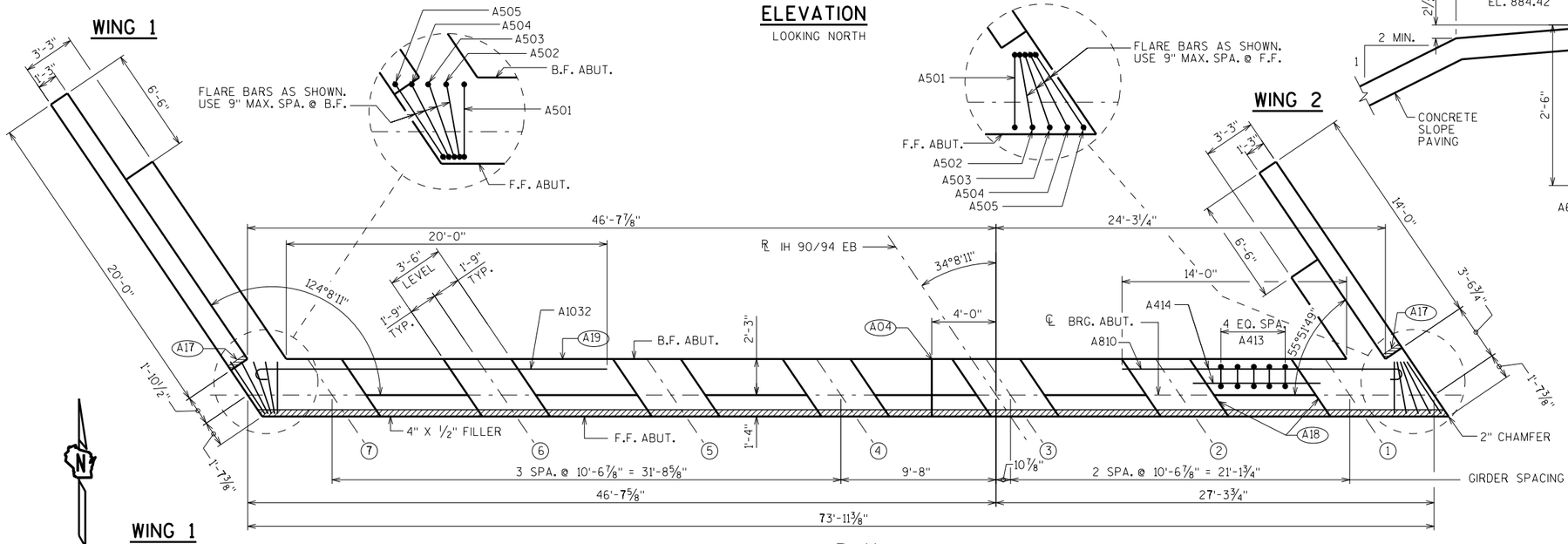
LOOKING NORTH



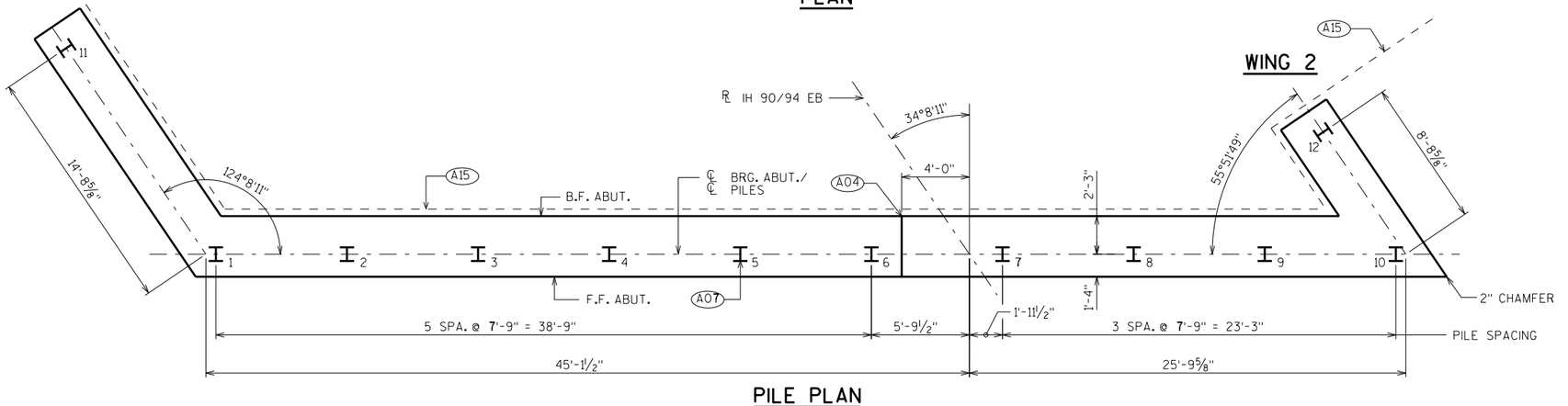
STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".



SECTION THRU BODY



PLAN



PILE PLAN

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A07) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 65'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

NORTH ABUTMENT

SHEET 5

933

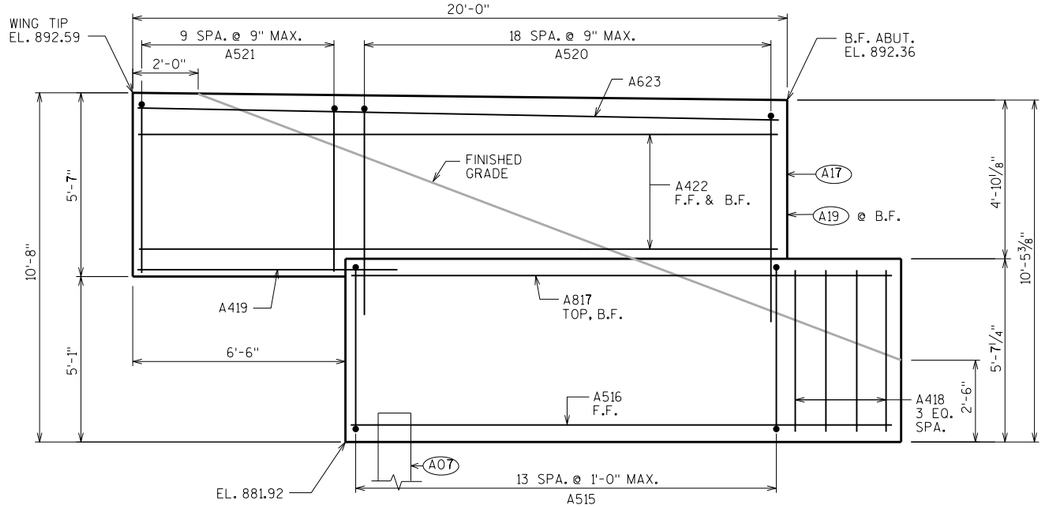
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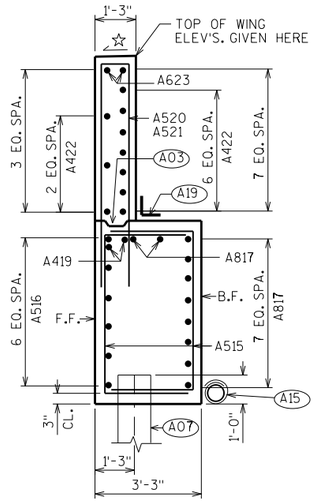
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STATE PROJECT NUMBER

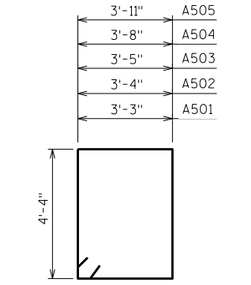
1016-05-70



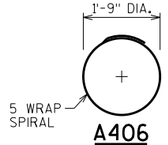
WING 1 ELEVATION



WING 1 SECTION



A501, A502 A503, A504, A505

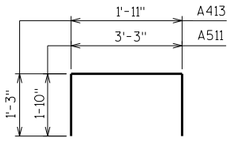


A406

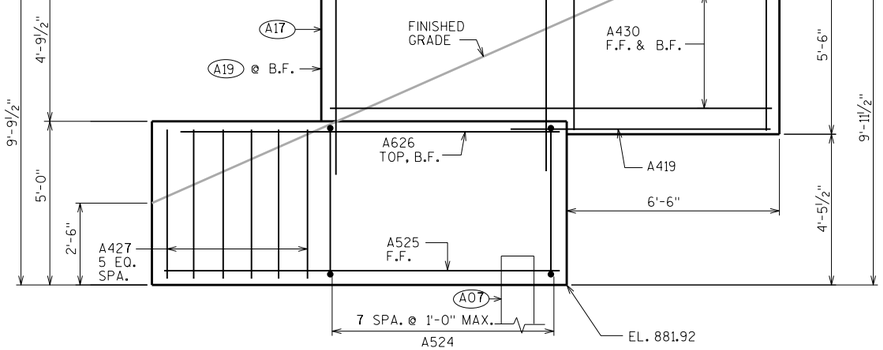
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

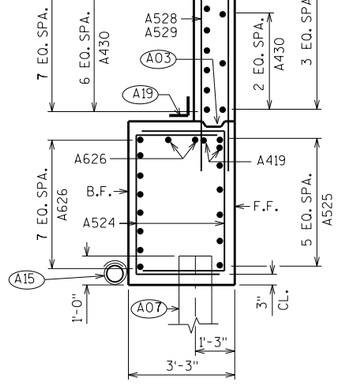
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		86	15'-10"	X		BODY-VERT. STIRRUP
A502		2	16'-0"	X		BODY-VERT. STIRRUP
A503		2	16'-2"	X		BODY-VERT. STIRRUP
A504		2	16'-8"	X		BODY-VERT. STIRRUP
A505		2	17'-2"	X		BODY-VERT. STIRRUP
A406		10	28'-0"	X		BODY PILE-1 PER BODY PILE
A407		20	2'-3"			BODY PILE-2 PER BODY PILE
A608		24	38'-4"			BODY-HORIZ. F.F., TOP, BOT.
A609		7	38'-0"			BODY-HORIZ. B.F.
A810		7	16'-2"	X		BODY-HORIZ. B.F. WING 2 END
A511		54	6'-8"	X		BODY-VERT. TOP U-BAR
A412		10	28'-0"			BODY-HORIZ. TOP
A413		30	4'-3"	X		BODY-VERT. TOP U-BAR BTWN. BEAM SEATS
A414		12	8'-4"			BODY-HORIZ. TOP BTWN. BEAM SEATS
A515	X	28	10'-7"	X		WING BODY 1-VERT. U-BAR
A516	X	7	16'-8"			WING BODY 1-HORIZ. F.F.
A817	X	10	18'-4"			WING BODY 1-HORIZ. TOP, B.F.
A418		4	5'-3"			BODY-VERT. END @ WING 1
A419	X	4	7'-9"			WING BODY/WALL 1 & 2-HORIZ.
A520	X	19	14'-6"	X		WING BODY/WALL 1-VERT.
A521	X	10	11'-0"	X		WING WALL 1-VERT.
A422	X	10	19'-8"			WING WALL 1-HORIZ.
A623	X	2	19'-8"			WING WALL 1-HORIZ. TOP
A524	X	16	10'-0"	X		WING BODY 2-VERT. U-BAR
A525	X	6	12'-1"			WING BODY 2-HORIZ. F.F.
A626	X	10	10'-1"			WING BODY 2-HORIZ. TOP, B.F.
A427		6	4'-8"			BODY-VERT. END @ WING 2
A528	X	11	14'-2"	X		WING BODY/WALL 2-VERT.
A529	X	10	10'-10"	X		WING WALL 2-VERT.
A430	X	10	13'-8"			WING WALL 2-HORIZ.
A631	X	2	13'-8"			WING WALL 2-HORIZ. TOP
A1032		7	23'-0"	X		BODY-HORIZ. B.F. WING 1 END



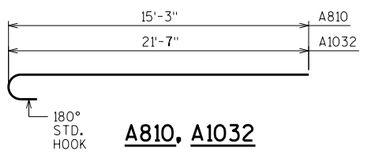
A511, A413



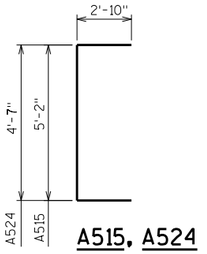
WING 2 ELEVATION



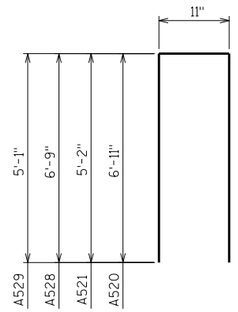
WING 2 SECTION



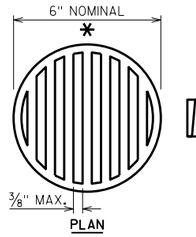
A810, A1032



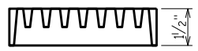
A515, A524



A520, A521, A528, A529



PLAN



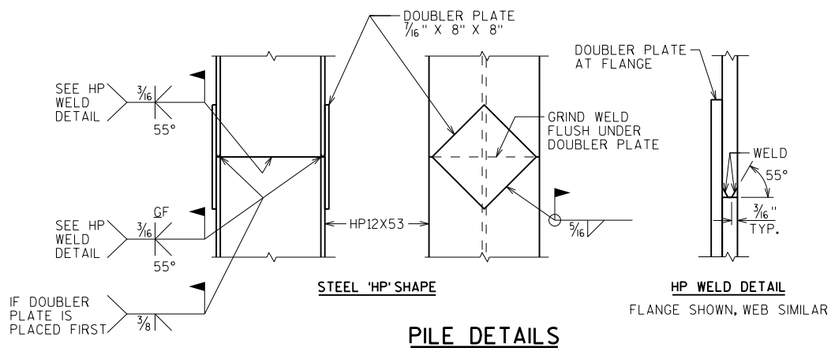
SECTION

RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

☆ SLOPE FOR DRAINAGE

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A07) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 65'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

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STRUCTURE B-29-154

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NORTH ABUTMENT DETAILS

SHEET 6

934

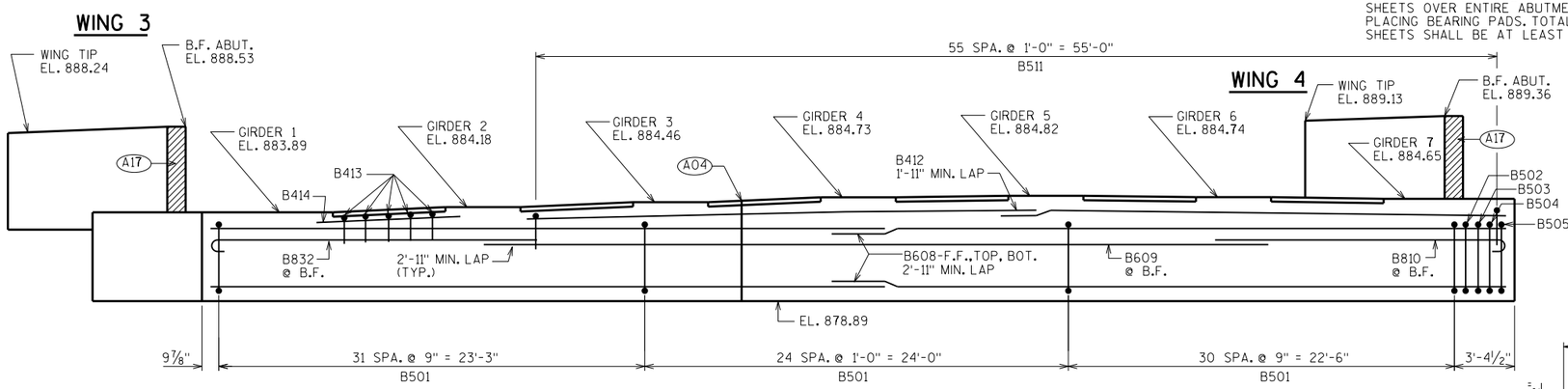
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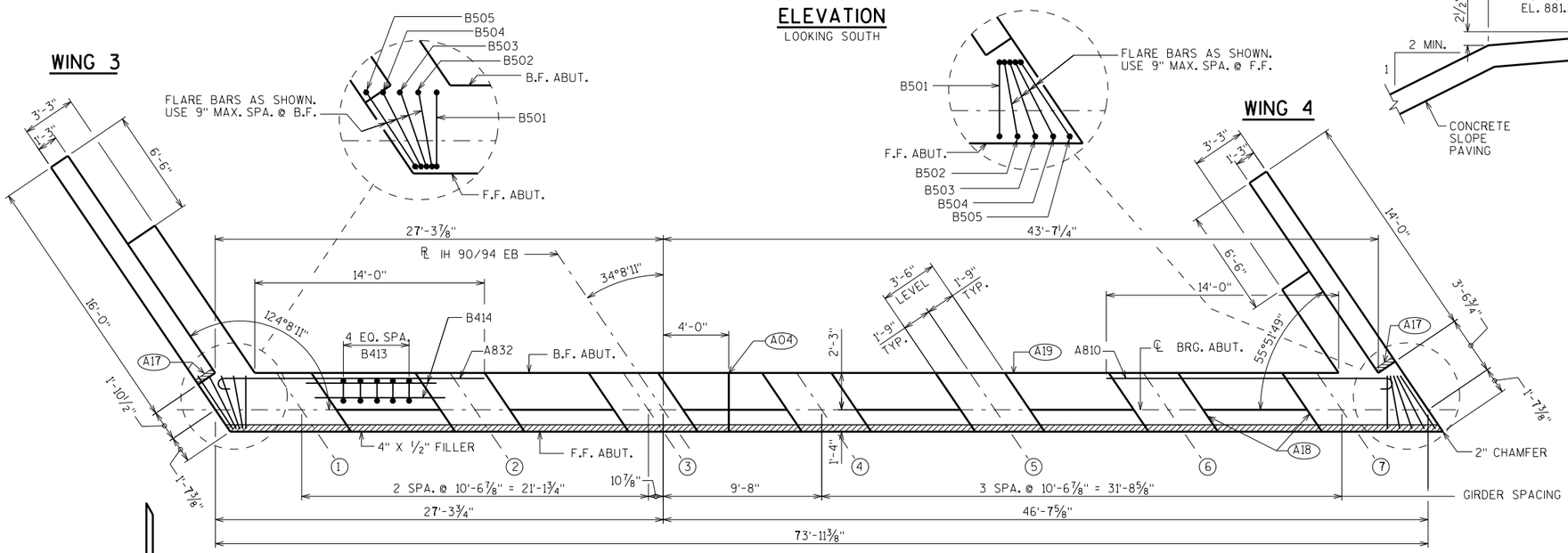
STATE PROJECT NUMBER

1016-05-70

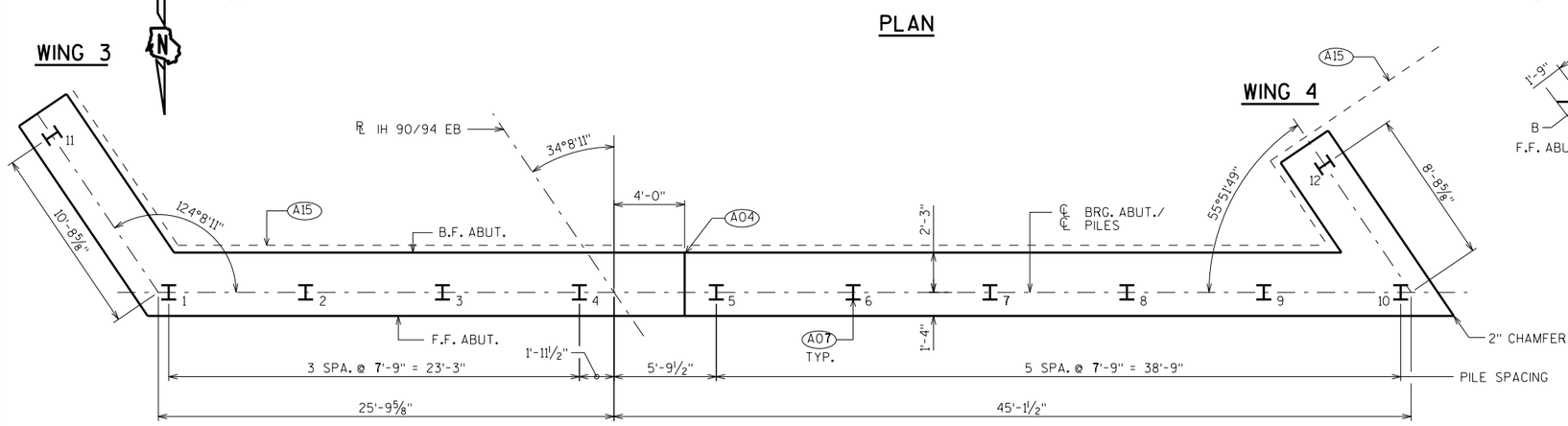


ELEVATION

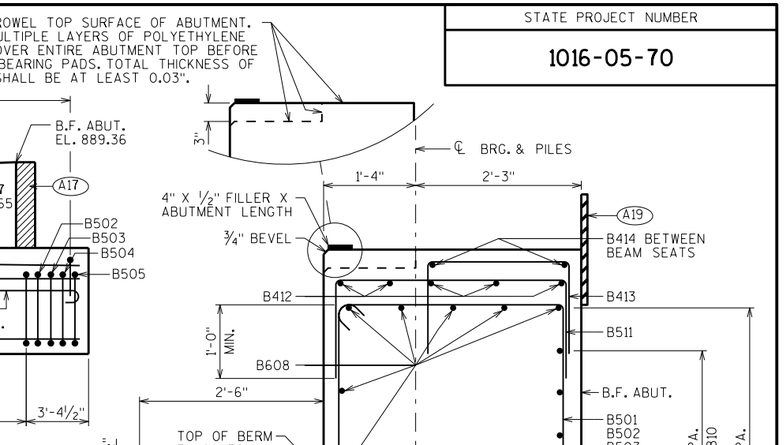
LOOKING SOUTH



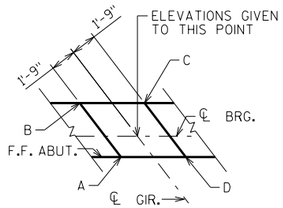
PLAN



PILE PLAN



SECTION THRU BODY



SLOPED BEAM SEAT DETAIL

TYPICAL ALL GIRDERS

LOCATION	ELEV. DIFF.
A	0.01
B	-0.08
C	-0.03
D	0.05

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A07) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 75'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

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SOUTH ABUTMENT

SHEET 7

935

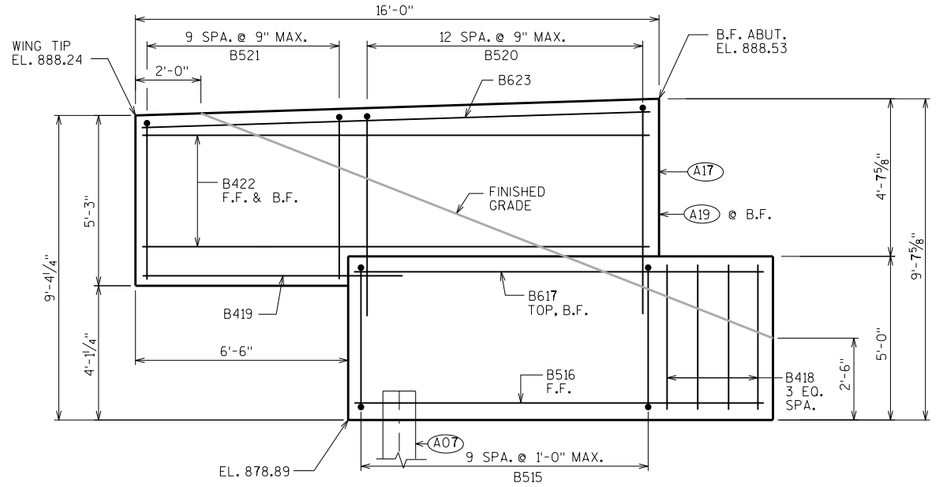
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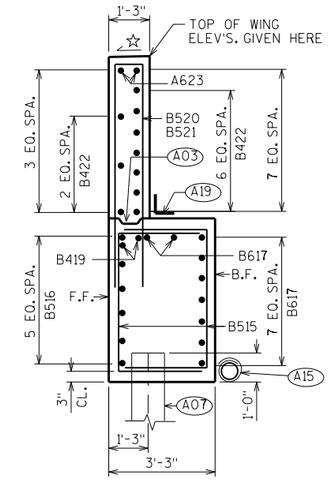
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STATE PROJECT NUMBER

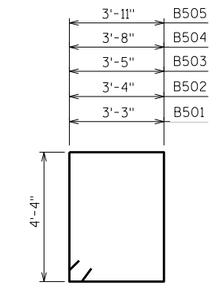
1016-05-70



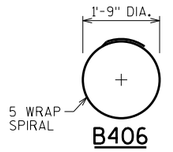
WING 3 ELEVATION



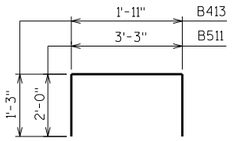
WING 3 SECTION



B501, B502, B503, B504, B505



B406

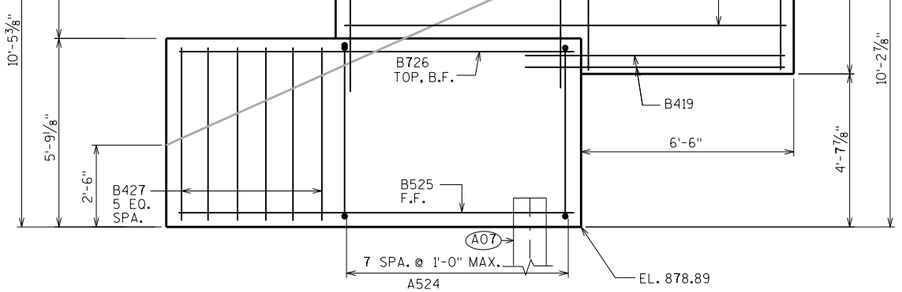


B511, B413

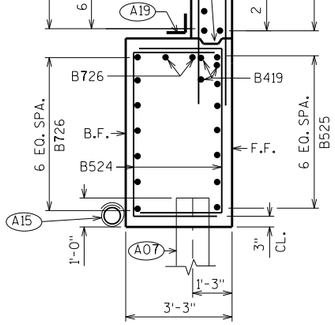
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

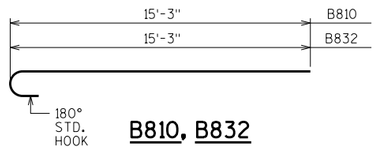
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		86	15'-10"	X		BODY-VERT. STIRRUP
B502		2	16'-0"	X		BODY-VERT. STIRRUP
B503		2	16'-2"	X		BODY-VERT. STIRRUP
B504		2	16'-8"	X		BODY-VERT. STIRRUP
B505		2	17'-2"	X		BODY-VERT. STIRRUP
B406		10	28'-0"	X		BODY PILE-1 PER BODY PILE
B407		20	2'-3"			BODY PILE-2 PER BODY PILE
B608		24	38'-4"			BODY-HORIZ. F.F., TOP, BOT.
B609		7	44'-0"			BODY-HORIZ. B.F.
B810		7	16'-2"	X		BODY-HORIZ. B.F. WING 2 END
B511		56	7'-0"	X		BODY-VERT. TOP U-BAR
B412		10	29'-0"			BODY-HORIZ. TOP
B413		30	4'-3"	X		BODY-VERT. TOP U-BAR BTWN. BEAM SEATS
B414		12	8'-4"			BODY-HORIZ. TOP BTWN. BEAM SEATS
B515	X	20	10'-0"	X		WING BODY 3-VERT. U-BAR
B516	X	6	12'-8"			WING BODY 3-HORIZ. F.F.
B617	X	10	13'-1"			WING BODY 3-HORIZ. TOP, B.F.
B418		4	4'-7"			BODY-VERT. END @ WING 3
B419	X	5	7'-9"			WING BODY/WALL 3 & 4-HORIZ.
B520	X	13	13'-8"	X		WING BODY/WALL 3-VERT.
B521	X	10	10'-6"	X		WING WALL 3-VERT.
B422	X	10	15'-8"			WING WALL 3-HORIZ.
B623	X	2	15'-8"			WING WALL 3-HORIZ. TOP
B524	X	16	10'-9"	X		WING BODY 4-VERT. U-BAR
B525	X	7	12'-1"			WING BODY 4-HORIZ. F.F.
B726	X	9	10'-1"			WING BODY 4-HORIZ. TOP, B.F.
B427		6	5'-4"			BODY-VERT. END @ WING 4
B528	X	11	13'-10"	X		WING BODY/WALL 4-VERT.
B529	X	10	11'-2"	X		WING WALL 4-VERT.
B430	X	10	13'-8"			WING WALL 4-HORIZ.
B631	X	2	13'-8"			WING WALL 4-HORIZ. TOP
B832		7	18'-2"	X		BODY-HORIZ. B.F. WING 1 END



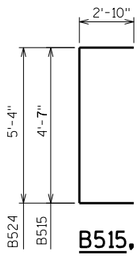
WING 4 ELEVATION



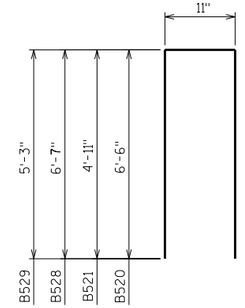
WING 4 SECTION



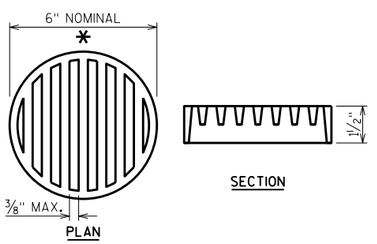
B810, B832



B515, B524



B520, B521, B528, B529

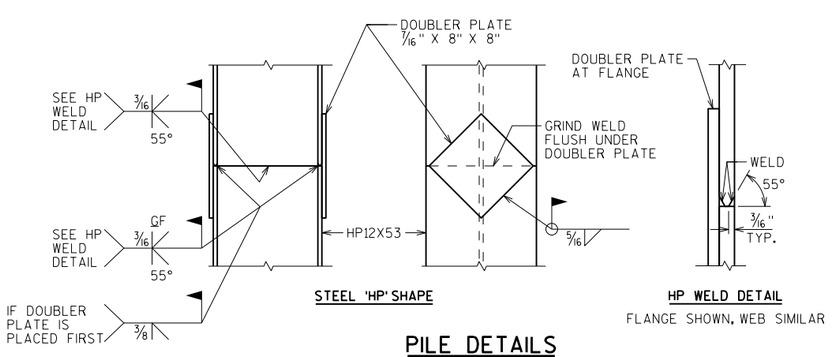


RODENT SHIELD DETAIL

✱ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

☆ SLOPE FOR DRAINAGE

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 × 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A07) SUPPORT ABUTMENT ON HP 12 × 53 STEEL PILING, ESTIMATED 75'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

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SOUTH ABUTMENT DETAILS

SHEET 8

936

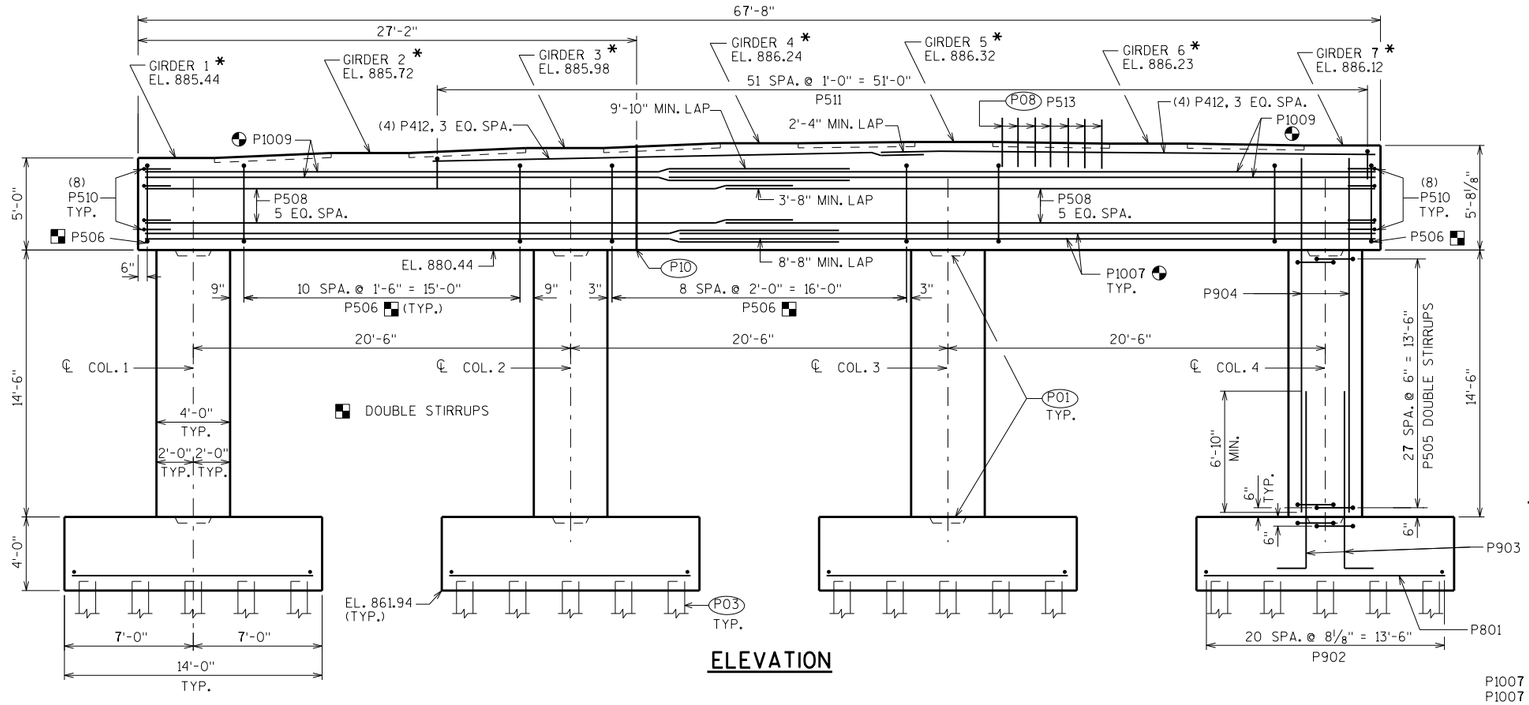
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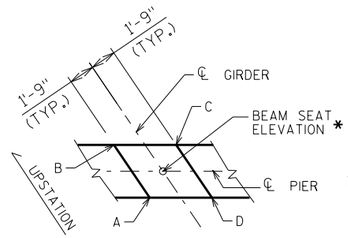
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ELEVATION



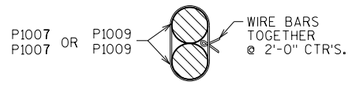
TYPICAL ALL GIRDERS

LOCATION	ELEV. DIFF.
A	0.01
B	-0.05
C	-0.01
D	0.05

◆ ELEVATION DIFFERENCE HAPPENS AT CORNER INSTEAD OF 1'-9" DISTANCE.

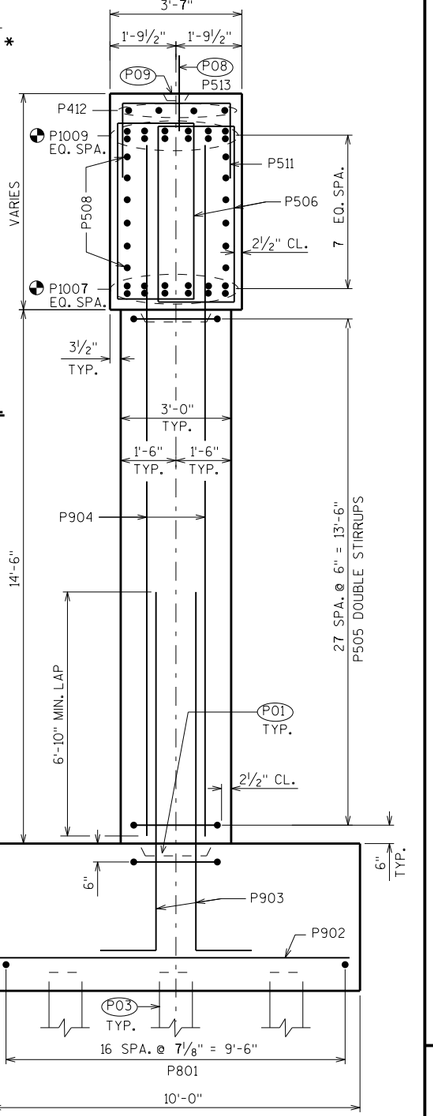
◪ NO ELEVATION CHANGE REQUIRED

SLOPED BEAM SEAT DETAIL

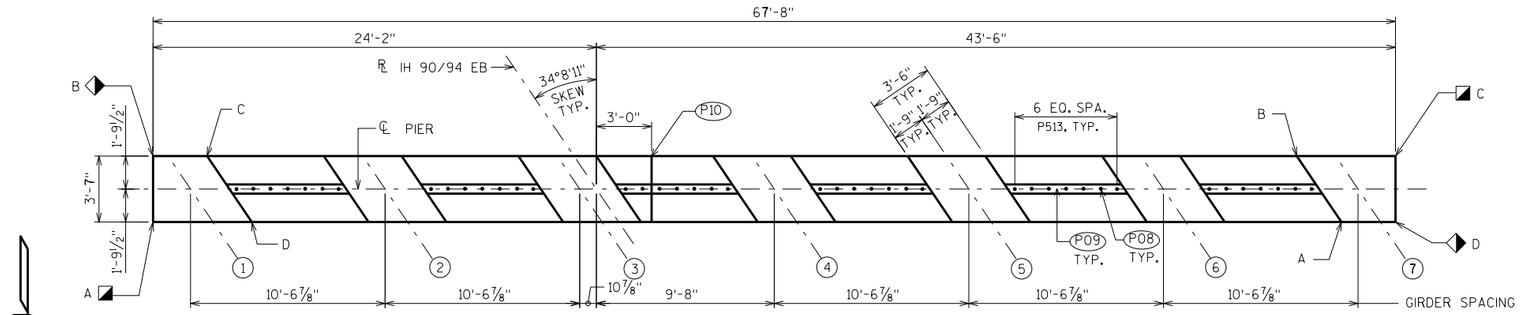


◔ BUNDLING DETAIL

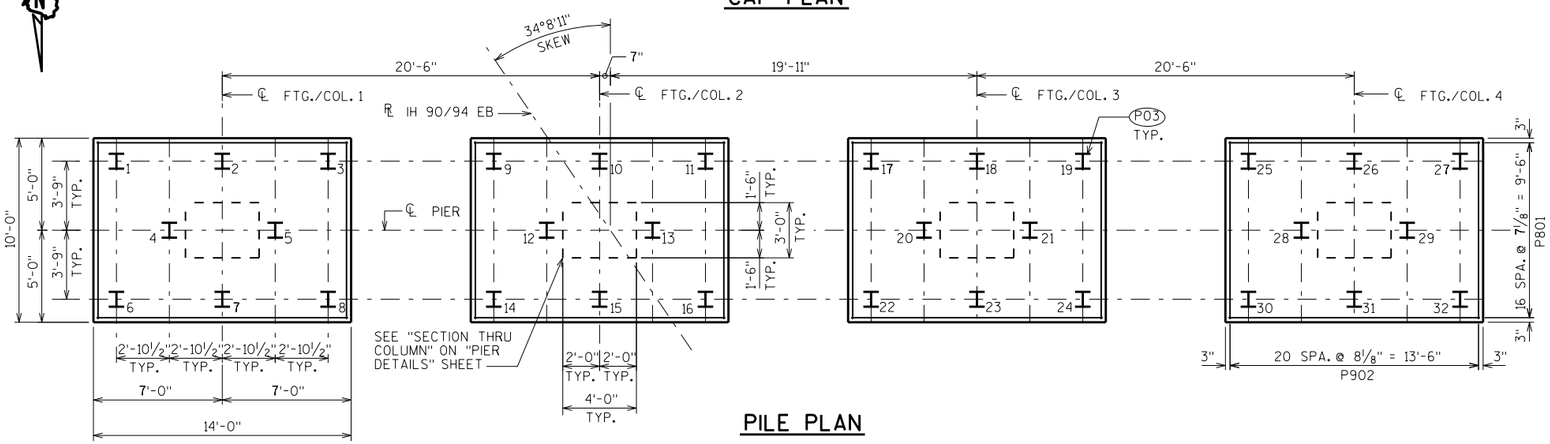
REQUIRED FOR TOP AND BOTTOM HORIZ. PIER CAP BARS IN SPECIFIC LOCATIONS. SEE SECTION THRU PIER CAP FOR EXACT LOCATIONS.



END SECTION



CAP PLAN



PILE PLAN

P01 1'-3" x 2'-0" x 4" CONST. JOINT FORMED BY BEVELED KEYWAY.

P03 SUPPORT PIER ON HP 12 x 53 STEEL PILING, ESTIMATED 60'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

P08 P513 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

P09 KEYED CONST. JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

P10 VERT. CONST. JOINT FORMED BY BEVELED 2 x 8. 3/4" "V" GROOVE ON ALL FACES. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

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PIER

SHEET 9

937

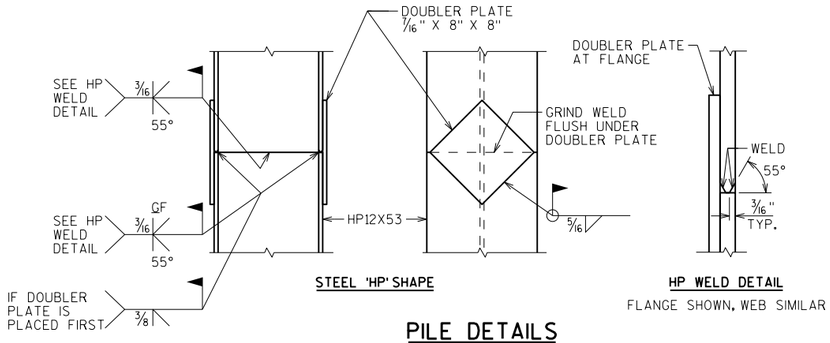
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STATE PROJECT NUMBER

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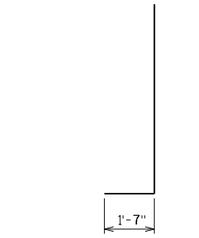


STEEL 'HP' SHAPE

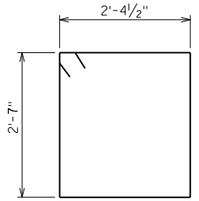
HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS



P903

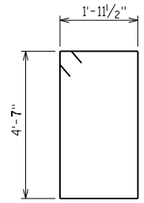


P505

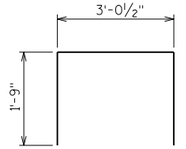
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

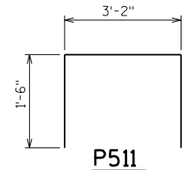
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P801		68	13'-8"			FOOTING-HORIZ.
P902		84	9'-8"			FOOTING-HORIZ.
P903	X	72	11'-6"	X		FOOTING/COLUMN-VERT.
P904	X	72	19'-0"			COLUMN-VERT.
P505	X	232	10'-7"	X		COLUMN-HORIZ.
P506	X	66	13'-9"	X		CAP-VERT. STIRRUP
P1007	X	24	38'-0"			CAP-HORIZ.-BOT.
P508	X	24	35'-8"			CAP-HORIZ.-MIDDLE
P1009	X	24	38'-7"			CAP-HORIZ.-TOP
P510	X	16	6'-4"	X		CAP-HORIZ END U-BAR
P511	X	52	5'-11"	X		CAP-VERT.-TOP
P412	X	8	26'-10"			CAP-HORIZ.TOP
P513	X	42	2'-0"			CAP-VERT. DOWEL



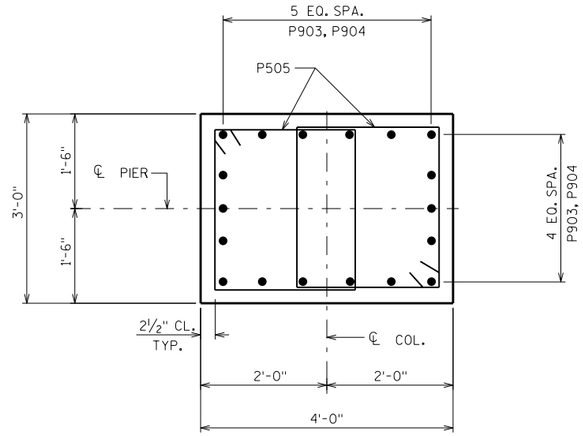
P506



P510



P511



SECTION THRU COLUMN

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

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PIER DETAILS

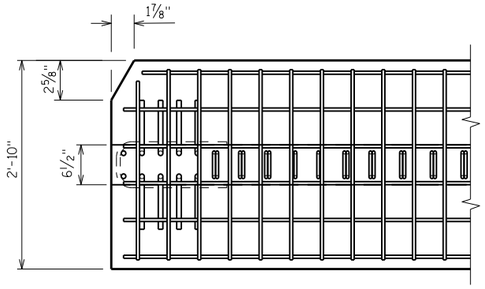
SHEET 10

938

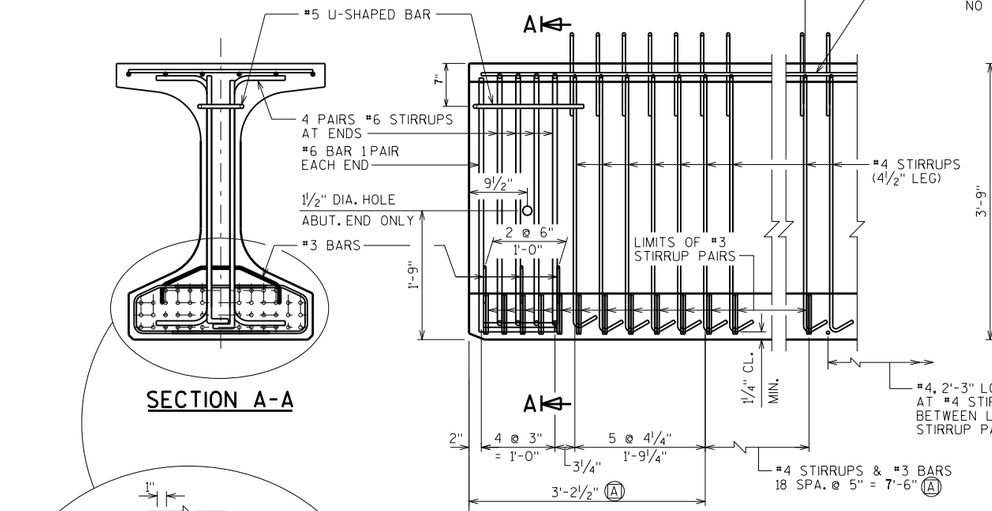
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STATE PROJECT NUMBER

1016-05-70



TOP FLANGE

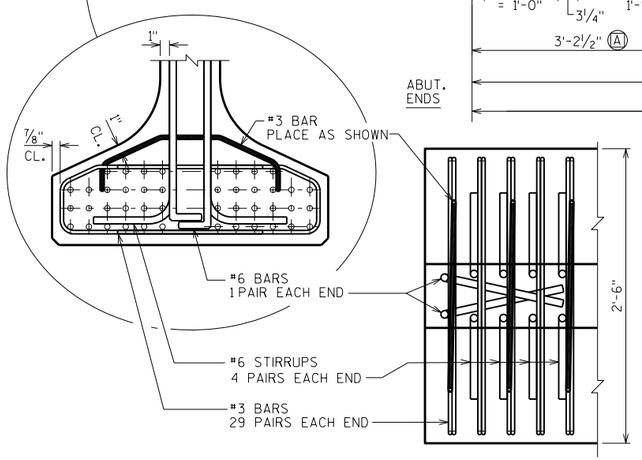


SECTION A-A

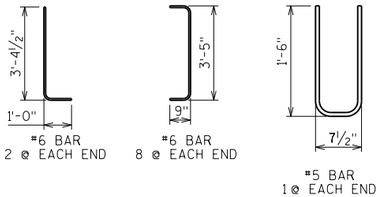
SIDE VIEW & TYPICAL SECTION IN SPAN

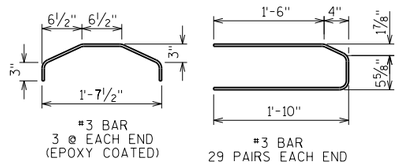
Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11" (SPAN 1 & 2)



BOTTOM FLANGE





TABLES OF DIMENSIONS FOR IN-SPAN STEEL DIAPHRAGM SPACING

SPAN 1					
	A	B	C	D	E
GIR. 1	32'-9⅞"	———	35'-9½"	———	38'-9⅛"
GIR. 2	32'-9⅞"	5'-11¼"	29'-10¼"	5'-11¼"	32'-9⅞"
GIR. 3	32'-9⅞"	5'-11¼"	29'-10¼"	5'-11¼"	32'-9⅞"
GIR. 4	32'-9⅞"	5'-11¼"	29'-10¼"	5'-11¼"	32'-9⅞"
GIR. 5	32'-9⅞"	5'-11¼"	29'-10¼"	5'-11¼"	32'-9⅞"
GIR. 6	32'-9⅞"	5'-11¼"	29'-10¼"	5'-11¼"	32'-9⅞"
GIR. 7	38'-9⅛"	———	35'-9½"	———	32'-9⅞"

SPAN 2					
	A	B	C	D	E
GIR. 1	36'-1⅛"	———	33'-1½"	———	30'-1⅞"
GIR. 2	30'-1⅞"	5'-11¼"	27'-2¼"	5'-11¼"	30'-1⅞"
GIR. 3	30'-1⅞"	5'-11¼"	27'-2¼"	5'-11¼"	30'-1⅞"
GIR. 4	30'-1⅞"	5'-11¼"	27'-2¼"	5'-11¼"	30'-1⅞"
GIR. 5	30'-1⅞"	5'-11¼"	27'-2¼"	5'-11¼"	30'-1⅞"
GIR. 6	30'-1⅞"	5'-11¼"	27'-2¼"	5'-11¼"	30'-1⅞"
GIR. 7	30'-1⅞"	———	33'-1½"	———	36'-1⅛"

✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.)									CONC. STRGTH. f'c (P.S.I.)	"P" (IN.)			DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10		1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER		TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	("A"	"B" MIN.	"B" MAX.	"C")	TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	1 & 7	107.38	0.81	1.53	2.10	2.46	2.57	2.44	2.08	1.51	0.79	8,000	7.5	7.0	7.5	0.6	38	6,400	40.0	13.75	16.75	5.0		
1	2-6	107.38	0.88	1.66	2.27	2.66	2.78	2.64	2.25	1.64	0.86	8,000	7.5	7.0	7.5	0.6	38	6,400	40.0	13.75	16.75	5.0		
2	1 & 7	99.38	0.57	1.09	1.50	1.77	1.86	1.78	1.52	1.11	0.59	8,000	7.5	7.0	7.5	0.6	32	6,400	40.0	13.75	16.75	5.0		
2	2-6	99.38	0.62	1.19	1.63	1.92	2.02	1.93	1.65	1.21	0.64	8,000	7.5	7.0	7.5	0.6	32	6,400	40.0	13.75	16.75	5.0		

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

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45W" PRESTRESSED GIRDER DETAILS 1

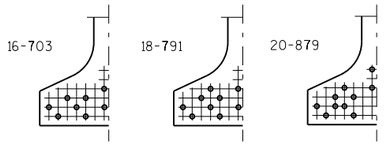
SHEET 11

939

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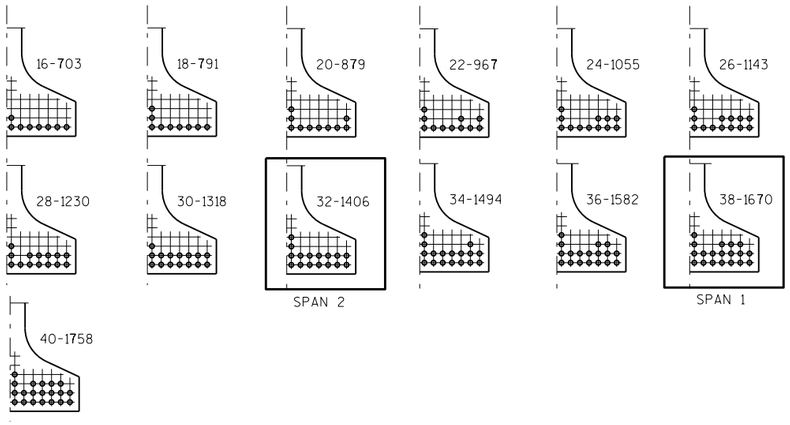
STATE PROJECT NUMBER

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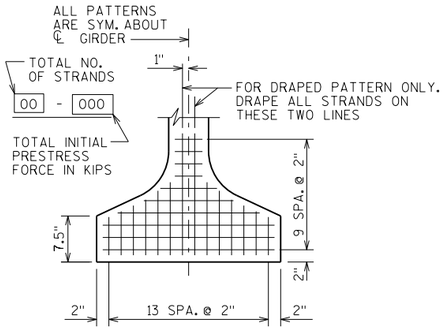
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

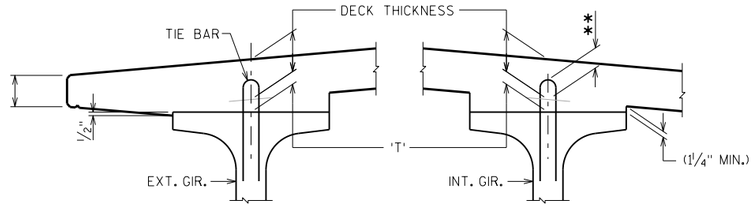


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

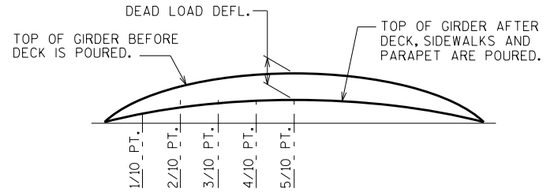
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

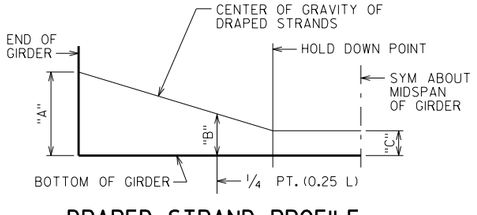
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.84
2	3.22

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

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STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

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45W" PRESTRESSED GIRDER DETAILS 2

SHEET 12

940

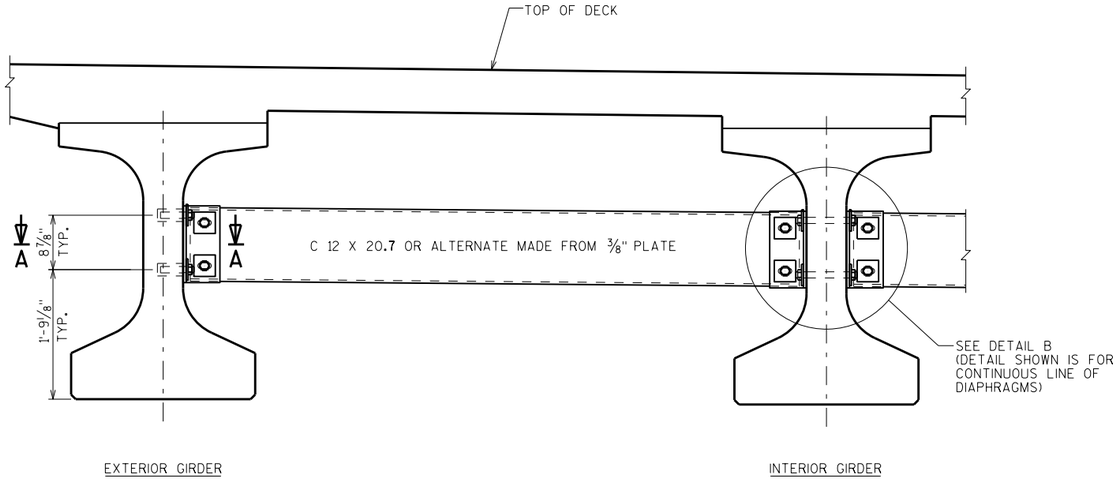
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SCALE =

STATE PROJECT NUMBER

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PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

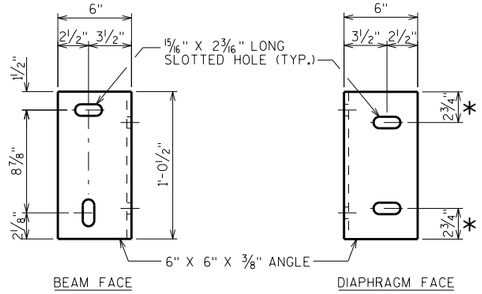
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-29-154", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

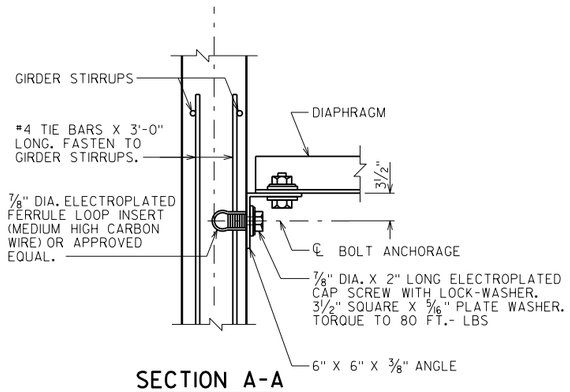
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



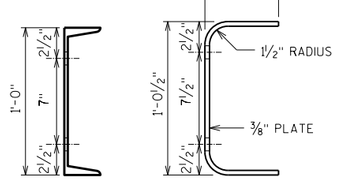
DIAPHRAGM SUPPORT

* 2½" FOR ALTERNATE PLATE DIAPHRAGM

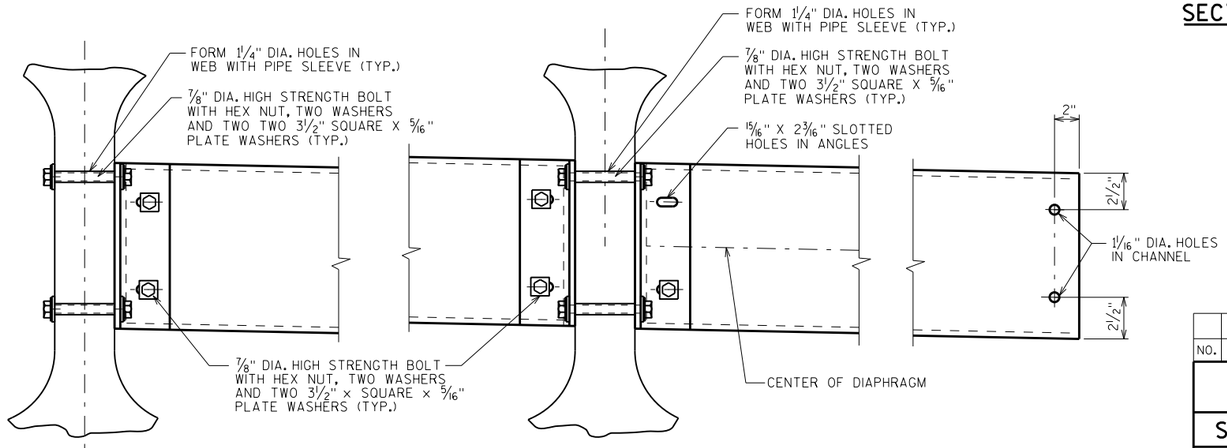


SECTION A-A

(FOR EXTERIOR ATTACHMENT)



SECTION THRU DIAPHRAGM



(FOR STAGGERED DIAPHRAGM)

DETAIL B

(FOR CONTINUOUS LINE OF DIAPHRAGMS)

8

8

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STRUCTURE B-29-154

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STEEL DIAPHRAGM

SHEET 13

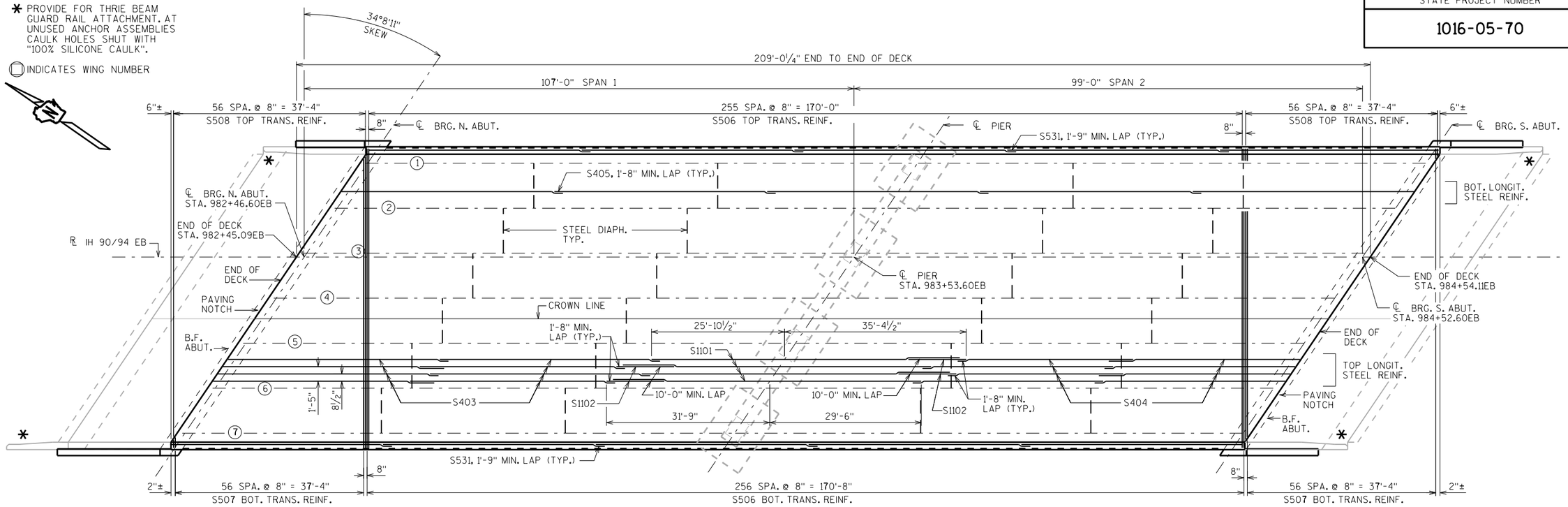
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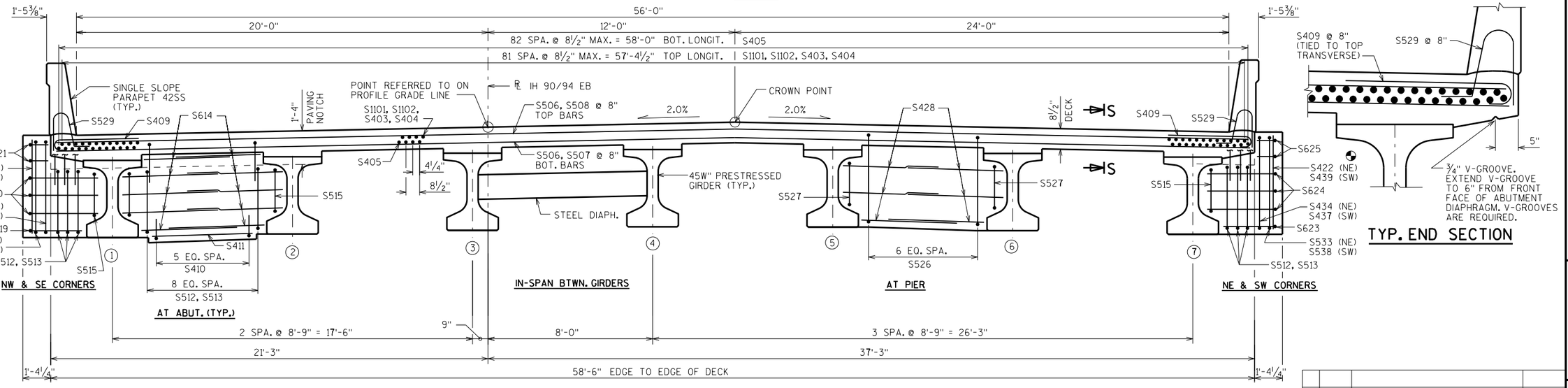
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* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER

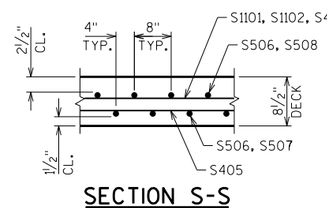


PLAN



CROSS SECTION THRU SUPERSTRUCTURE

LOOKING UPSTATION



SECTION S-S

(2) 2 BARS EQUALLY SPACED AT EACH DIAPH. END FACE

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STRUCTURE B-29-154

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SUPERSTRUCTURE

SHEET 14

942

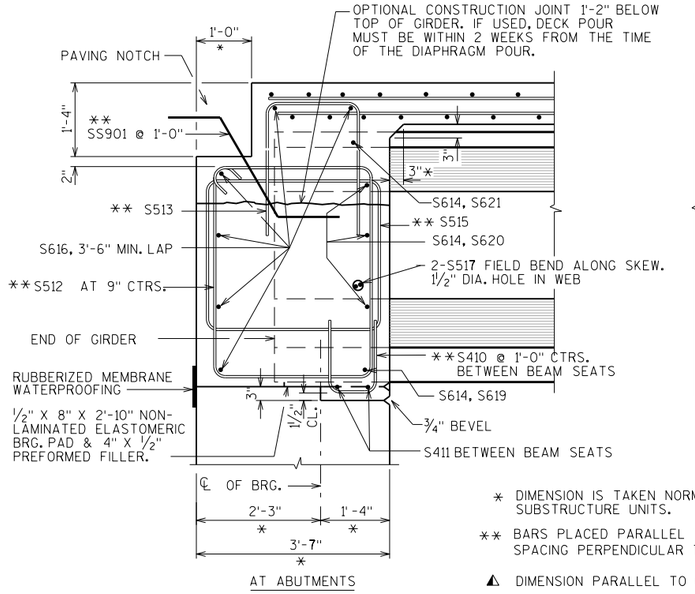
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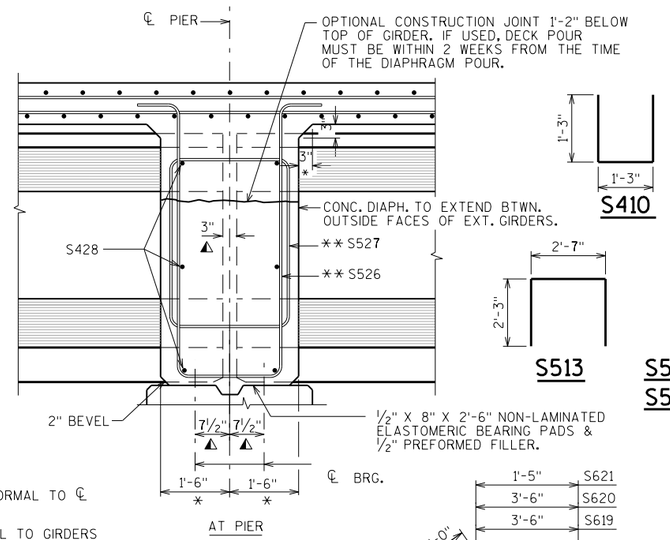
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STATE PROJECT NUMBER

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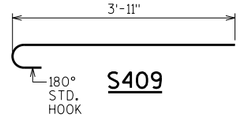


* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

⚠ DIMENSION PARALLEL TO GIRDERS.

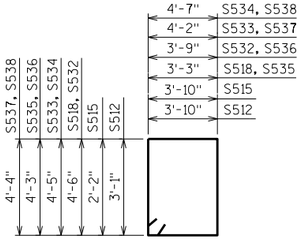
PART LONGIT. SECTION



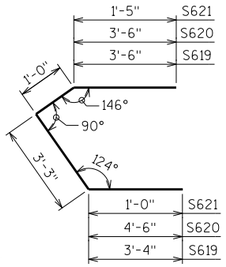
S409

S410

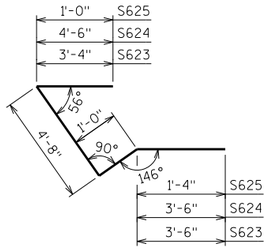
S513



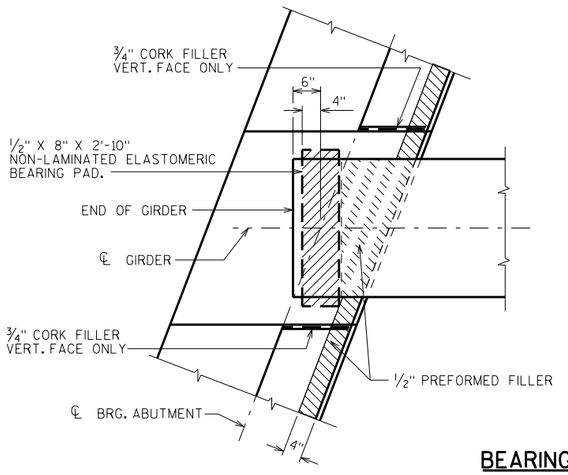
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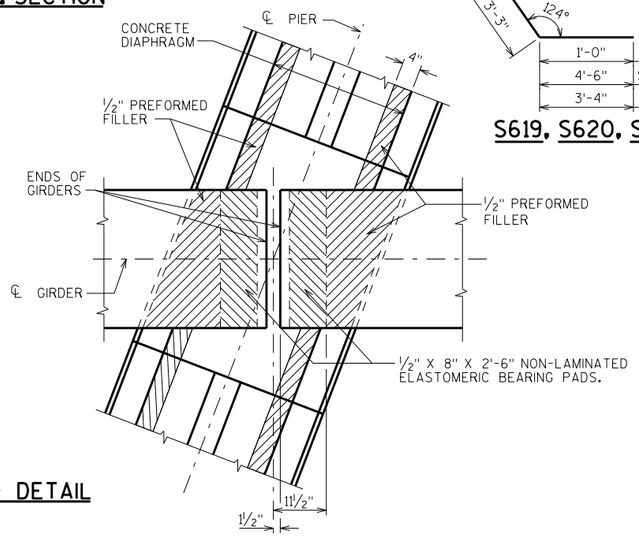


S619, S620, S621

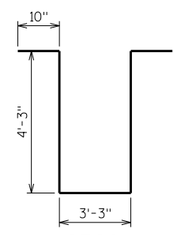


S623, S624, S625

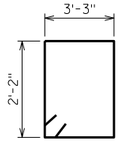




BEARING PAD DETAIL



S526



S527

BILL OF BARS

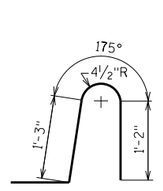
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S1101	X	82	60'-0"			DECK LONGIT.-CONTINUITY OVER PIER
S1102	X	82	11'-3"			DECK LONGIT.-CONTINUITY OVER PIER
S403	X	164	42'-11"			DECK-LONGIT.-TOP
S404	X	164	37'-1"			DECK-LONGIT.-TOP
S405	X	415	43'-5"			DECK-LONGIT.-BOT.
S506	X	513	58'-2"			DECK-TRANS.-TOP & BOT.
S507	X	114	28'-7"		⚠	DECK TRANS.-BOT.
S508	X	114	29'-1"		⚠	DECK-TRANS.-TOP
S409	X	626	4'-5"	X		DECK-TRANS. EDGE OF DECK
S410	X	72	3'-7"	X		ABUT. DIAPH.-VERT.-BOT.
S411	X	24	6'-0"			ABUT. DIAPH.-HORIZ. BOT.
S512	X	120	14'-6"	X		ABUT. DIAPH.-VERT. STIRRUP
S513	X	120	6'-10"	X		ABUT. DIAPH. VERT. U-BAR
S614	X	120	6'-2"			ABUT. DAIPH.-HORIZ.-F.F.
S515	X	28	12'-8"	X		ABUT. DIAPH.-VERT. STIRRUP
S616	X	24	38'-7"			ABUT. DIAPH.-HORIZ.-BF. & TOP
S517	X	28	6'-0"			ABUT. DIAPH.-HORIZ. THRU GIR.
S518	X	1	16'-2"	X		ABUT. DIAPH.-VERT.-END NW
S619	X	2	10'-9"	X		ABUT. DIAPH.-HORIZ.-END NW & SE
S620	X	6	11'-11"	X		ABUT. DIAPH.-HORIZ.-END NW & SE
S621	X	4	6'-4"	X		ABUT. DIAPH.-HORIZ.-END NW & SE
S422	X	4	4'-5"			ABUT. DIAPH.-VERT.-ENDS N. ABUT.
S623	X	2	12'-2"	X		ABUT. DIAPH.-HORIZ.-END NE & SW
S624	X	6	13'-4"	X		ABUT. DIAPH.-HORIZ.-END NE & SW
S625	X	4	7'-8"	X		ABUT. DIAPH.-HORIZ.-END NE & SW
S526	X	42	12'-11"	X		PIER DIAPH.-VERT.
S527	X	12	11'-6"	X		PIER DIAPH. VERT. STIRRUP
S428	X	72	5'-9"			PIER DIAPH.-HORIZ.
S529	X	630	4'-5"	X		DECK/PARAPET-VERT.
S530	X	630	6'-8"	X		PARAPET-VERT.
S531	X	80	43'-6"			PARAPET-HORIZ.
S532	X	1	17'-2"	X		ABUT. DIAPH.-VERT.-ENDS NW
S533	X	1	17'-10"	X		ABUT. DIAPH.-VERT.-ENDS NE
S534	X	1	18'-8"	X		ABUT. DIAPH.-VERT.-ENDS NE
S535	X	1	15'-8"	X		ABUT. DIAPH.-VERT.-ENDS SE
S536	X	1	16'-8"	X		ABUT. DIAPH.-VERT.-ENDS SE
S537	X	1	17'-8"	X		ABUT. DIAPH.-VERT.-ENDS SW
S538	X	1	18'-6"	X		ABUT. DIAPH.-VERT.-ENDS SW
S439	X	4	4'-3"			ABUT. DIAPH.-VERT.-ENDS S. ABUT.

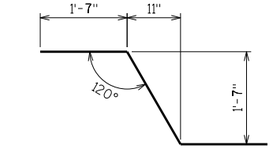
⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

STAINLESS STEEL →

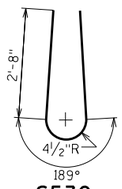
SS901		120	5'-0"	X	ABUT. DIAPH.-PAVING NOTCH



S529



SS901



S530

BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
S507	2 SERIES OF 57	1'-0" TO 56'-1"
S508	2 SERIES OF 57	1'-6" TO 56'-7"

BUNDLE AND TAG EACH SERIES SEPARATELY.

TOP OF DECK ELEVATIONS

	SPAN 1											SPAN 2									
	C/L N. ABUT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	C/L PIER 1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	C/L S. ABUT.
E. EOD	891.67	891.54	891.39	891.25	891.11	890.96	890.81	890.65	890.50	890.34	890.18	890.03	889.88	889.72	889.56	889.40	889.24	889.08	888.91	888.74	888.57
GIRDER 1	891.73	891.60	891.46	891.31	891.17	891.02	890.87	890.72	890.56	890.41	890.25	890.10	889.94	889.79	889.63	889.47	889.31	889.15	888.98	888.81	888.64
GIRDER 2	891.98	891.85	891.71	891.57	891.43	891.28	891.13	890.98	890.83	890.67	890.51	890.36	890.21	890.06	889.90	889.74	889.58	889.42	889.26	889.09	888.92
GIRDER 3	892.23	892.10	891.96	891.82	891.68	891.54	891.39	891.24	891.09	890.93	890.77	890.63	890.48	890.32	890.17	890.01	889.85	889.69	889.53	889.36	889.20
GIRDER 4	892.48	892.35	892.21	892.07	891.93	891.79	891.64	891.50	891.35	891.19	891.04	890.89	890.74	890.59	890.44	890.28	890.12	889.96	889.80	889.64	889.47
CROWN PT.	892.60	892.46	892.33	892.19	892.05	891.91	891.76	891.61	891.46	891.31	891.16	891.01	890.86	890.71	890.56	890.40	890.25	890.09	889.93	889.76	889.60
GIRDER 5	892.54	892.41	892.27	892.14	892.00	891.86	891.71	891.56	891.41	891.26	891.11	890.96	890.82	890.67	890.51	890.36	890.20	890.05	889.89	889.72	889.56
GIRDER 6	892.44	892.31	892.17	892.04	891.90	891.76	891.62	891.47	891.32	891.17	891.02	890.88	890.73	890.58	890.43	890.28	890.12	889.97	889.81	889.65	889.48
GIRDER 7	892.33	892.20	892.07	891.94	891.80	891.66	891.52	891.38	891.23	891.08	890.93	890.79	890.64	890.49	890.35	890.19	890.04	889.89	889.73	889.57	889.40
W. EOD	892.32	892.19	892.06	891.93	891.79	891.65	891.51	891.37	891.22	891.07	890.92	890.78	890.64	890.49	890.34	890.19	890.04	889.88	889.72	889.57	889.40

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

SUPERSTRUCTURE DETAILS

SHEET 15

943

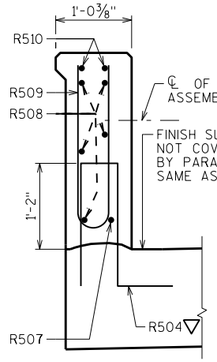
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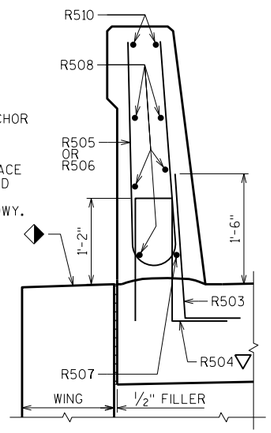
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STATE PROJECT NUMBER

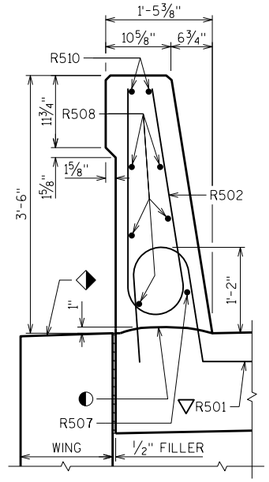
1016-05-70



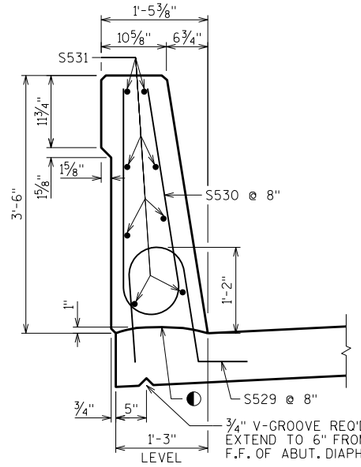
SECTION A-A



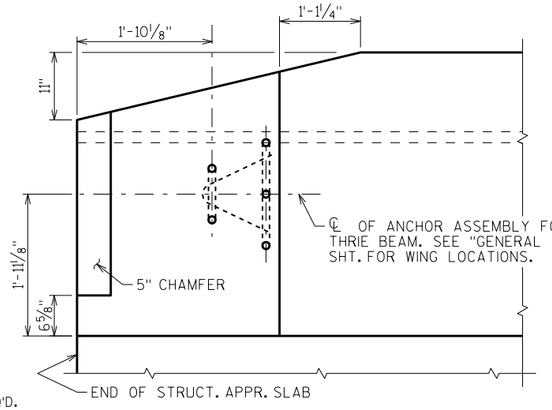
SECTION B-B



SECTION C-C



SECTION THRU PARAPET ON DECK



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

BILL OF BARS

FOR STRUCT. APPR. SLAB AT PARAPET AT WINGS 2, 3, 4

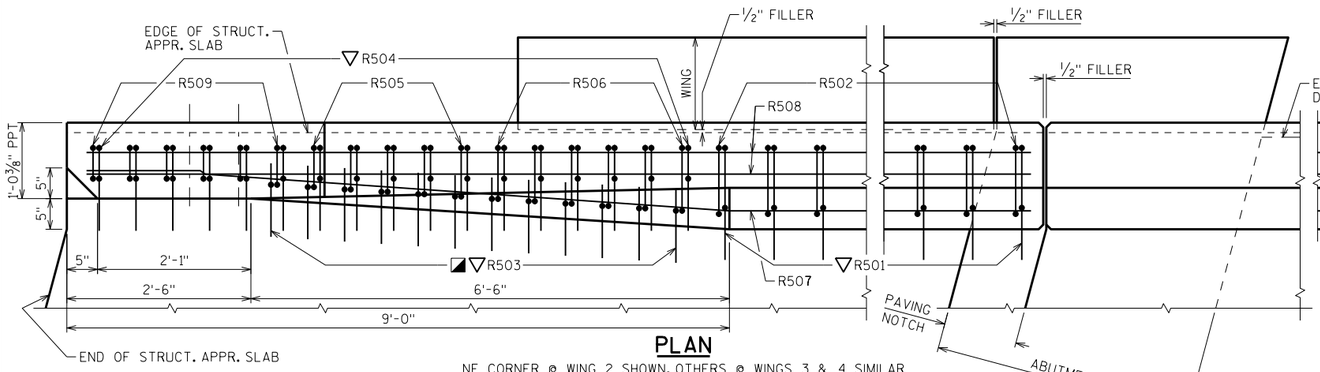
BAR MARK	COAT	N. ABUT.	S. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	18	36	4'-5"	X		PARAPET VERT.
R502	X	18	36	6'-8"	X		PARAPET VERT.
R503	X	12	24	2'-9"	X		PARAPET VERT.
R504	X	17	34	4'-4"	X		PARAPET VERT.
R505	X	5	10	6'-5"	X		PARAPET VERT.
R506	X	6	12	6'-6"	X		PARAPET VERT.
R507	X	1	2	19'-8"	X		PARAPET HORIZ.
R508	X	5	10	19'-8"			PARAPET HORIZ.
R509	X	6	12	5'-5"	X	⚠	PARAPET VERT.
R510	X	2	4	19'-8"	X		PARAPET HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

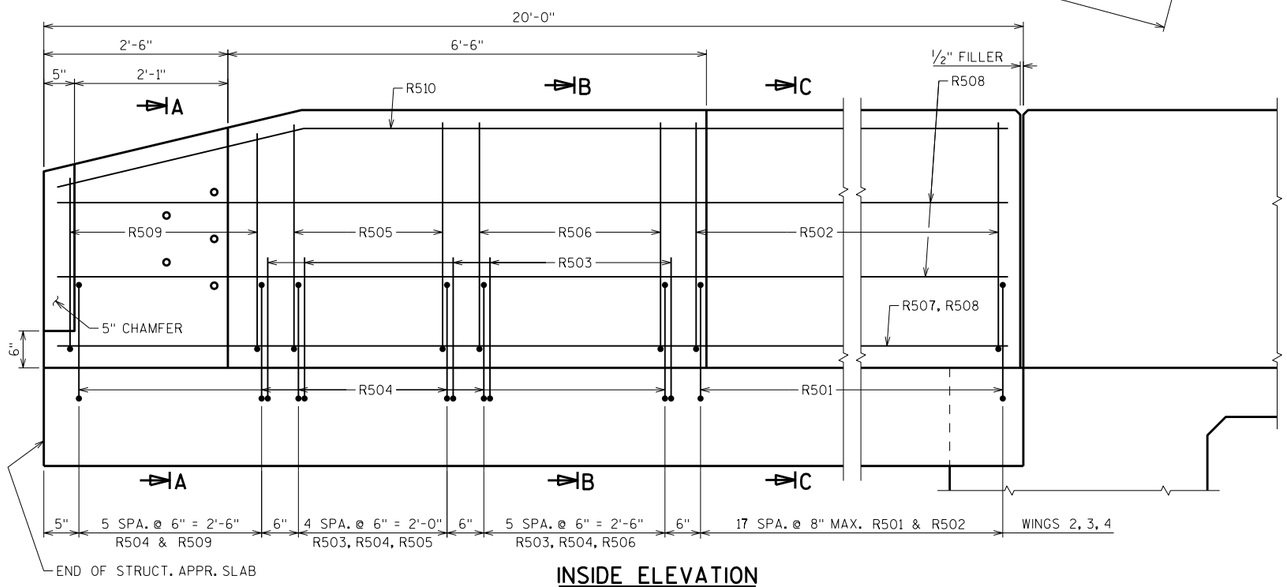
BAR MARK	NO. REQ'D	LENGTH
R509	3 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.



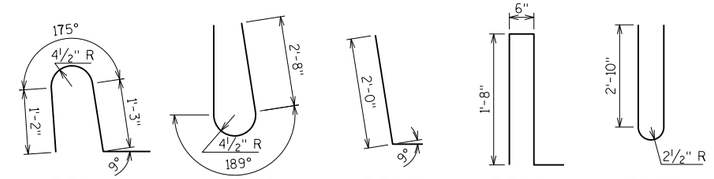
PLAN

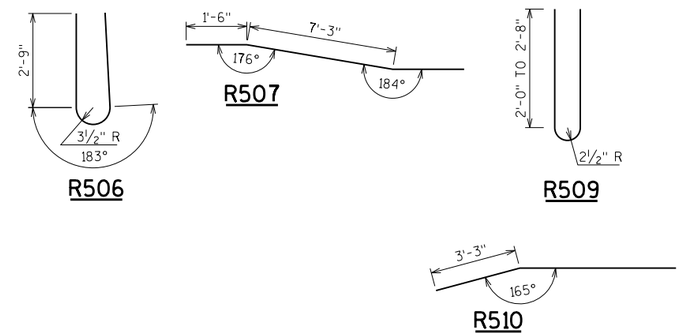
NE CORNER @ WING 2 SHOWN, OTHERS @ WINGS 3 & 4 SIMILAR



INSIDE ELEVATION

NE CORNER @ WING 2 SHOWN, OTHERS @ WINGS 3 & 4 SIMILAR
WING & STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY





◐ CONST. JOINT - STRIKE OFF AS SHOWN

◆ SLOPE FOR DRAINAGE

◪ USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

SINGLE SLOPE PARAPET 42SS AT WINGS 2, 3,&4

SHEET 16

944

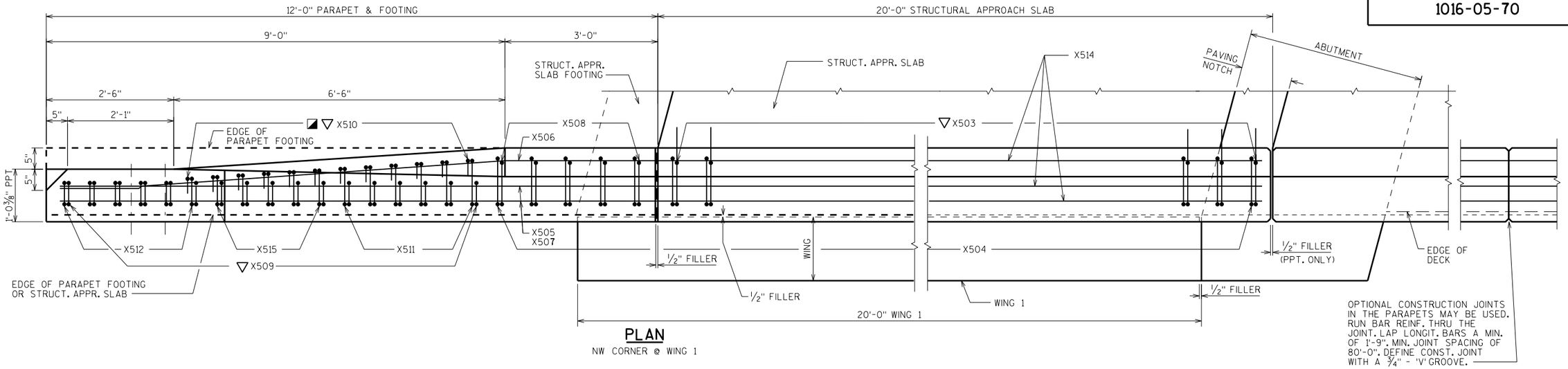
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STATE PROJECT NUMBER

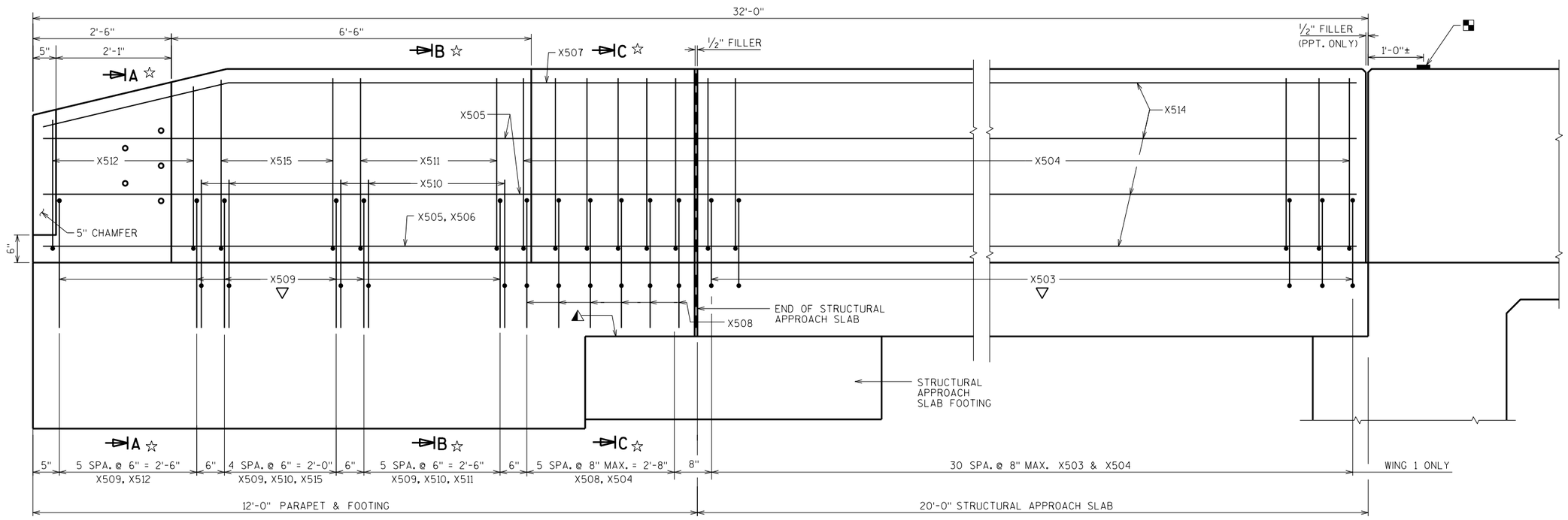
1016-05-70



PLAN

NW CORNER @ WING 1

OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A 3/4" - 'V' GROOVE.



INSIDE ELEVATION

NW CORNER @ WING 1
WING NOT SHOWN FOR CLARITY

☆ SEE SECTIONS THRU PARAPET FOOTING AND PARAPET ON "SINGLE SLOPE PARAPET 42SS AT WING 1" SHEET FOR ADDITIONAL REINFORCEMENT DETAILS.

▲ STEEL TROWEL HORIZONTAL SURFACE OF PAVING NOTCH. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS BETWEEN PARAPET FOOTING AND HORIZONTAL SURFACE OF STRUCTURAL APPROACH SLAB FOOTING. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".

▩ BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.

◪ USE CARE TO PLACE X510 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ X503, X508, X509, AND X510 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED, OR TO PARAPET FOOTING STEEL BEFORE PARAPET FOOTING IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY: WWR | PLANS CK'D.: JLR

SINGLE SLOPE PARAPET 42SS AT WING 1

SHEET 17

945

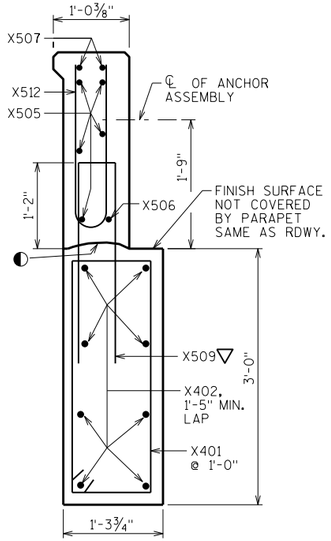
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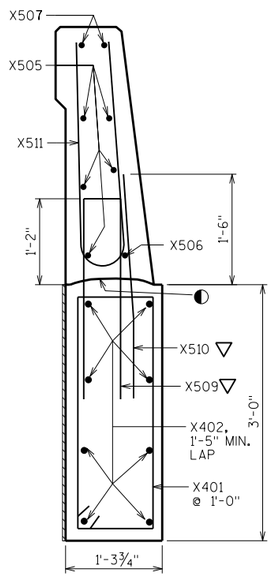
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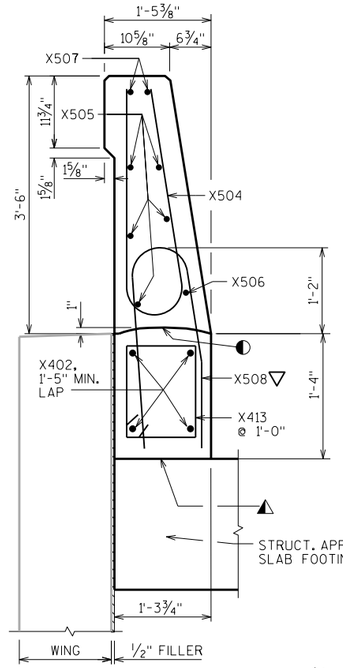
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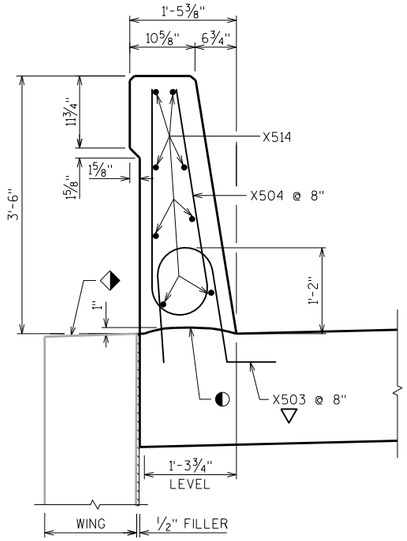
SECTION A-A



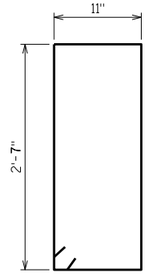
SECTION B-B



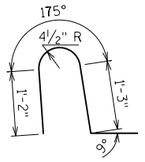
SECTION C-C



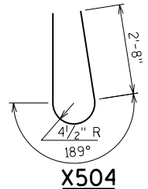
SECTION THRU PARAPET ON STRUCTURAL APPROACH SLAB AT WING 1 ONLY



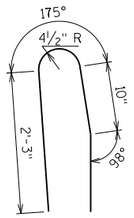
X401



X503



X504



X508

BILL OF BARS

FOR STRUCT. APPR. SLAB & PPT. FTG. AT PARAPET AT WING 1

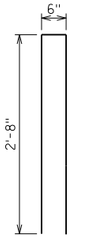
BAR MARK	COAT	N. ABUT.	S. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
X401	X	10	——	7'-6"	X		PPT. FTG. VERT.
X402	X	16	——	6'-7"			PPT. FTG. HORIZ.
X503	X	31	——	6'-7"	X		SLAB/PPT. VERT.
X504	X	37	——	6'-8"	X		PPT. VERT.
X505	X	5	——	11'-8"			PPT. HORIZ.
X506	X	1	——	11'-8"	X		PPT. HORIZ.
X507	X	2	——	11'-8"	X		PPT. HORIZ.
X508	X	6	——	5'-10"	X		PPT. VERT.
X509	X	17	——	5'-7"	X		PPT. VERT.
X510	X	12	——	3'-0"	X		PPT. VERT.
X511	X	6	——	6'-6"	X		PPT. VERT.
X512	X	6	——	5'-5"	X	◭	PPT. VERT.
X413	X	3	——	4'-2"	X		PPT. FTG. VERT.
X514	X	8	——	19'-8"			PPT. HORIZ.
X515	X	5	——	6'-5"	X		PPT. VERT.

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

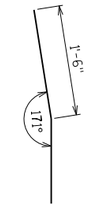
BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
X512	1 SERIES OF 6	4'-9" TO 6'-1"

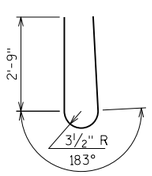
BUNDLE AND TAG EACH SERIES SEPARATELY.



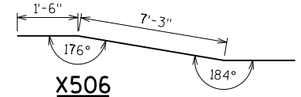
X509



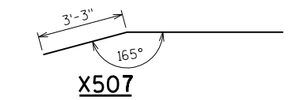
X510



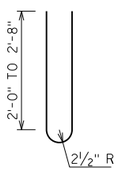
X511



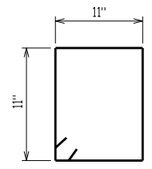
X506



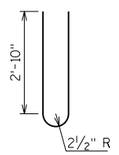
X507



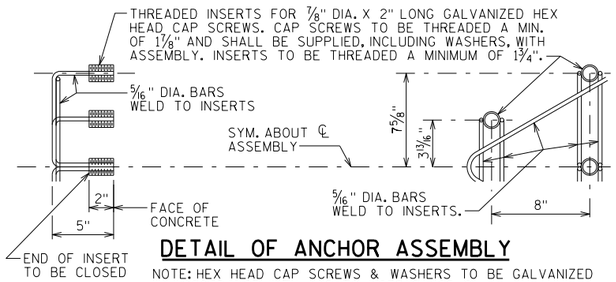
X512



X413



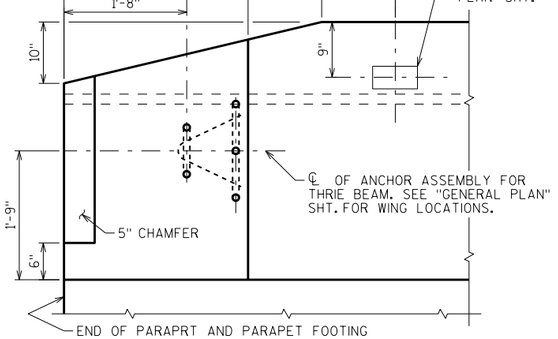
X515



DETAIL OF ANCHOR ASSEMBLY

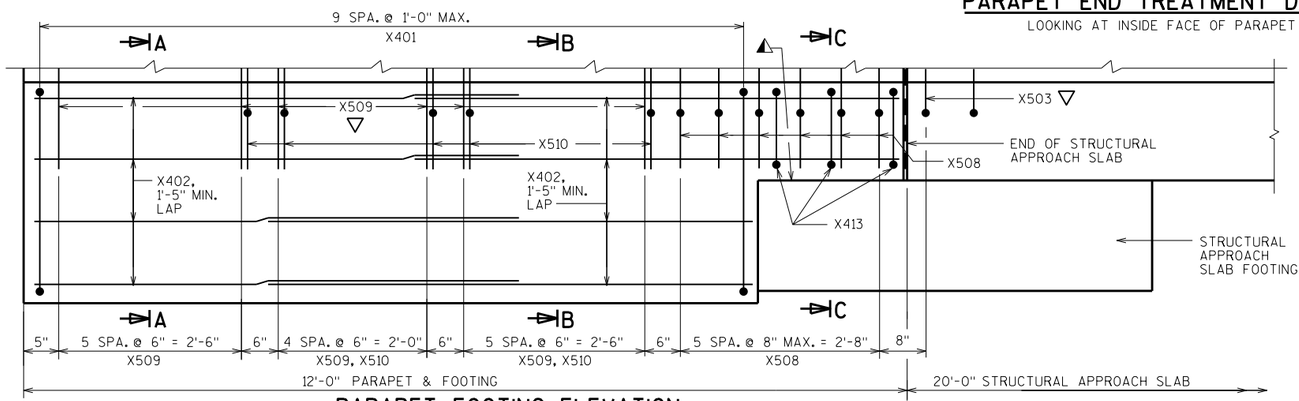
NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET



PARAPET FOOTING ELEVATION

NW CORNER @ WING 1, WING NOT SHOWN FOR CLARITY

◭ STEEL TROWEL HORIZONTAL SURFACE OF PAVING NOTCH. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS BETWEEN PARAPET FOOTING AND HORIZONTAL SURFACE OF STRUCTURAL APPROACH SLAB FOOTING. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".

◐ CONST. JOINT - STRIKE OFF AS SHOWN

◆ SLOPE FOR DRAINAGE

▽ X503, X508, X509, AND X510 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED, OR TO PARAPET FOOTING STEEL BEFORE PARAPET FOOTING IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY: WWR | PLANS CK'D.: JLR

SINGLE SLOPE PARAPET 42SS AT WING 1 DETAILS

SHEET 18

946

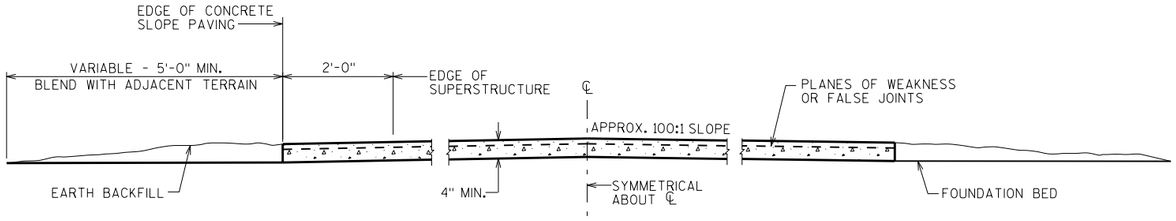
SCALE = 1.00

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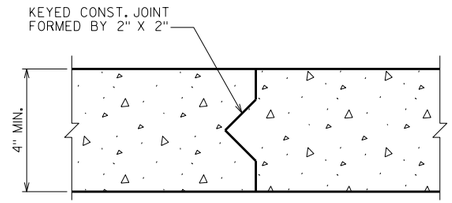
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STATE PROJECT NUMBER

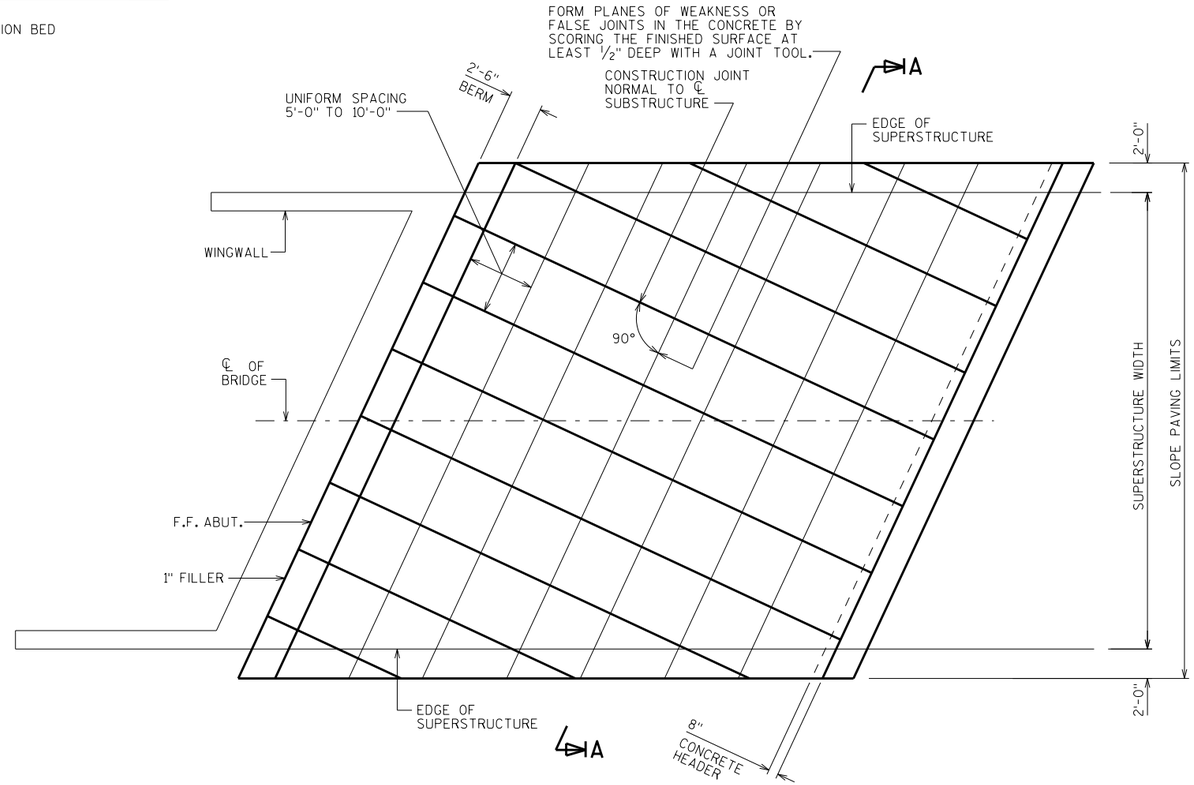
1016-05-70



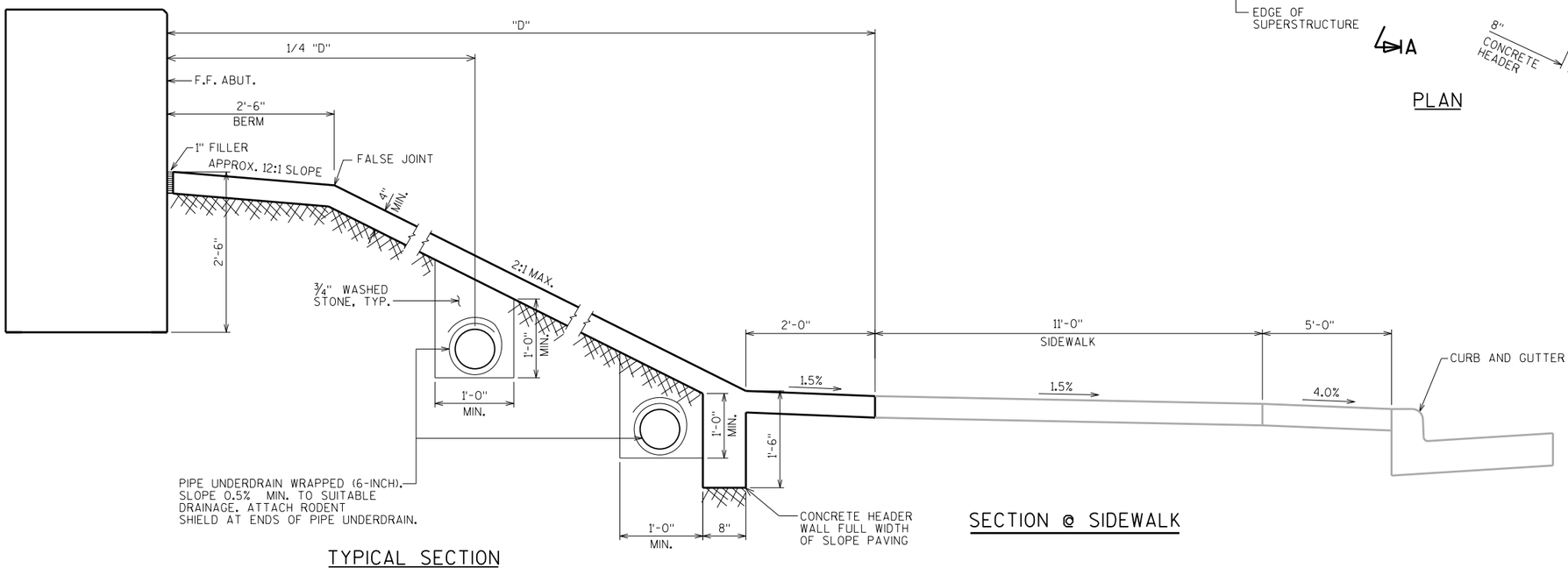
SECTION A-A



CONSTRUCTION JOINT



PLAN



TYPICAL SECTION

SECTION @ SIDEWALK

NOTE

BID ITEMS SHALL BE "SLOPE PAVING CONCRETE" AND "PIPE UNDERDRAIN WRAPPED 6-INCH"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

SLOPE PAVING (CONCRETE CAST-IN-PLACE)

SHEET 19

947

8

8

SCALE =

STATE PROJECT NUMBER

1016-05-70

PARAPET FOOTING. SEE "SINGLE SLOPE PARAPET 42SS AT WING 1" SHEET FOR ADDITIONAL DETAILS.

3¾" | 58 SPA. @ 1'-0" = 58'-0" T508 (TOP) | 3¾"

3" | 9 SPA. @ 6½" = 4'-10½" T806 (BOT.) | 5¼" | 76 SPA. @ 7½" = 47'-6" T806 (BOT.) | 5¼" | 9 SPA. @ 6½" = 4'-10½" T806 (BOT.) | 3"

57'-3¾"

57 SPA. @ 1'-0" MAX = 56'-7" T501

T501

6'-0½"

NW FOOTING STIRRUP DETAIL

TOP OF STRUCT. APPR. SLAB STA. 982+00.68EB EL. 892.56 *

5'-0" FTG.

1'-0" MAX. TYP.

FOOTING

EDGE OF STRUCT. APPR. SLAB

20'-0"

19 SPA. @ 1'-0" MAX. = 18'-7" T509 (TOP)

20 SPA. @ 1'-0" MAX. = 19'-7" T507 (TOP & BOT.)

12°48'11"

℄ IH 90/94 EB

T501

END OF STRUCT. APPR. SLAB STA. 982+25.09EB EL. 892.52 *

T805 5'-9" MIN. LAP

CROWN LINE

12'-0"

F.F. ABUT.

2'-11" MIN. LAP (TYP.)

℄ BRG. ABUT.

34°8'11" SKEW TYP.

20 SPA. @ 1'-0" MAX. = 19'-7" T507 (TOP & BOT.)

TOP OF STRUCT. APPR. SLAB STA. 982+38.62EB EL. 891.95 *

19 SPA. @ 1'-0" MAX. = 18'-7" T509 (TOP)

55°51'49"

20'-0"

T501

T502

T504

4'-11⅝"

NE FOOTING STIRRUPS DETAIL

1'-5⅜" PPT. | 36'-0" | 20'-0" | 1'-5⅜" TYP.

1'-3¾" | 56'-0" ROADWAY CLEAR | 1'-3¾"

1⅝" | 58'-7½" EDGE TO EDGE OF STRUCT. APPR. SLAB | 1⅝"

PLAN

* ELEVATION GIVEN TO THIS POINT AT TOP OF STRUCT. APPR. SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

NORTH STRUCTURAL APPROACH SLAB

SHEET 20

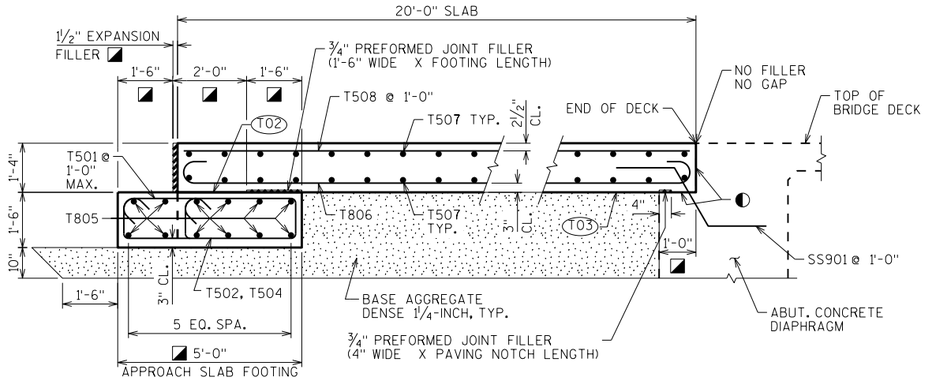
948

SCALE = 3.75

8

8

STATE PROJECT NUMBER
1016-05-70



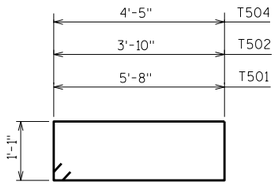
SECTION THRU APPROACH SLAB

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

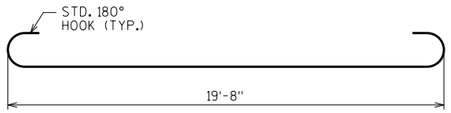
◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.



T501, T502, T504

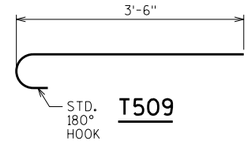


T806

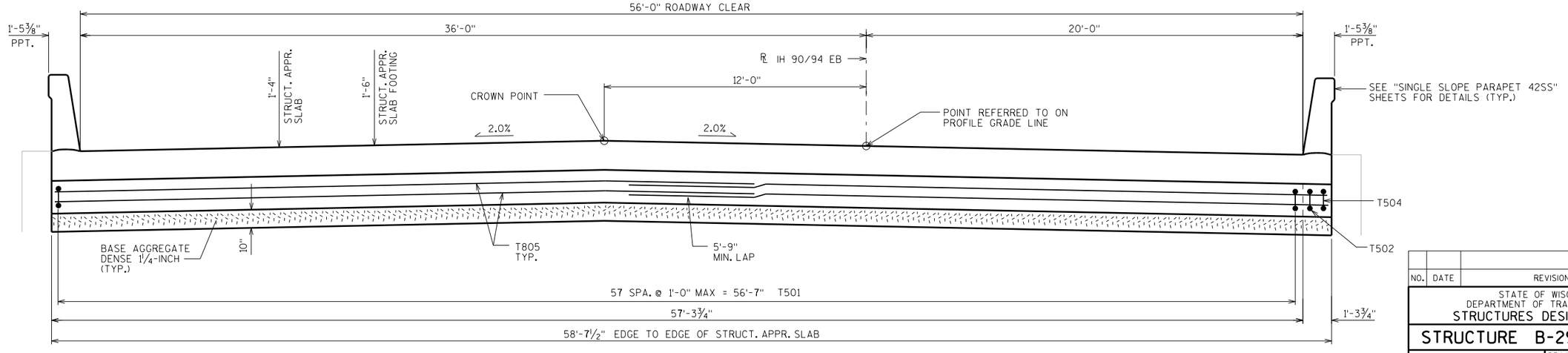
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	58	14'-2"	X		FOOTING-VERT. STIRRUP
T502	X	1	10'-6"	X		FOOTING-VERT. STIRRUP
~~T503~~	~~X~~	NOT	USED	~~X~~		~~FOOTING-VERT. STIRRUP~~
T504	X	1	11'-8"	X		FOOTING-VERT. STIRRUP
T805	X	24	38'-6"			FOOTING-HORIZ.-LONGIT.
T806	X	97	21'-6"	X		SLAB-HORIZ.-LONGIT.-BOT.
T507	X	84	36'-9"			SLAB-HORIZ.-TRANS.-TOP & BOT.
T508	X	59	19'-8"			SLAB-HORIZ.-LONGIT.-TOP
T509	X	40	4'-1"	X		SLAB-HORIZ.-TRANS.-TOP EDGES



T509



SECTION THRU STRUCTURAL APPROACH SLAB

LOOKING NORTH
(SHOWING FOOTING STEEL ONLY)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

NORTH STRUCTURAL APPROACH SLAB DETAILS

SHEET 21

949

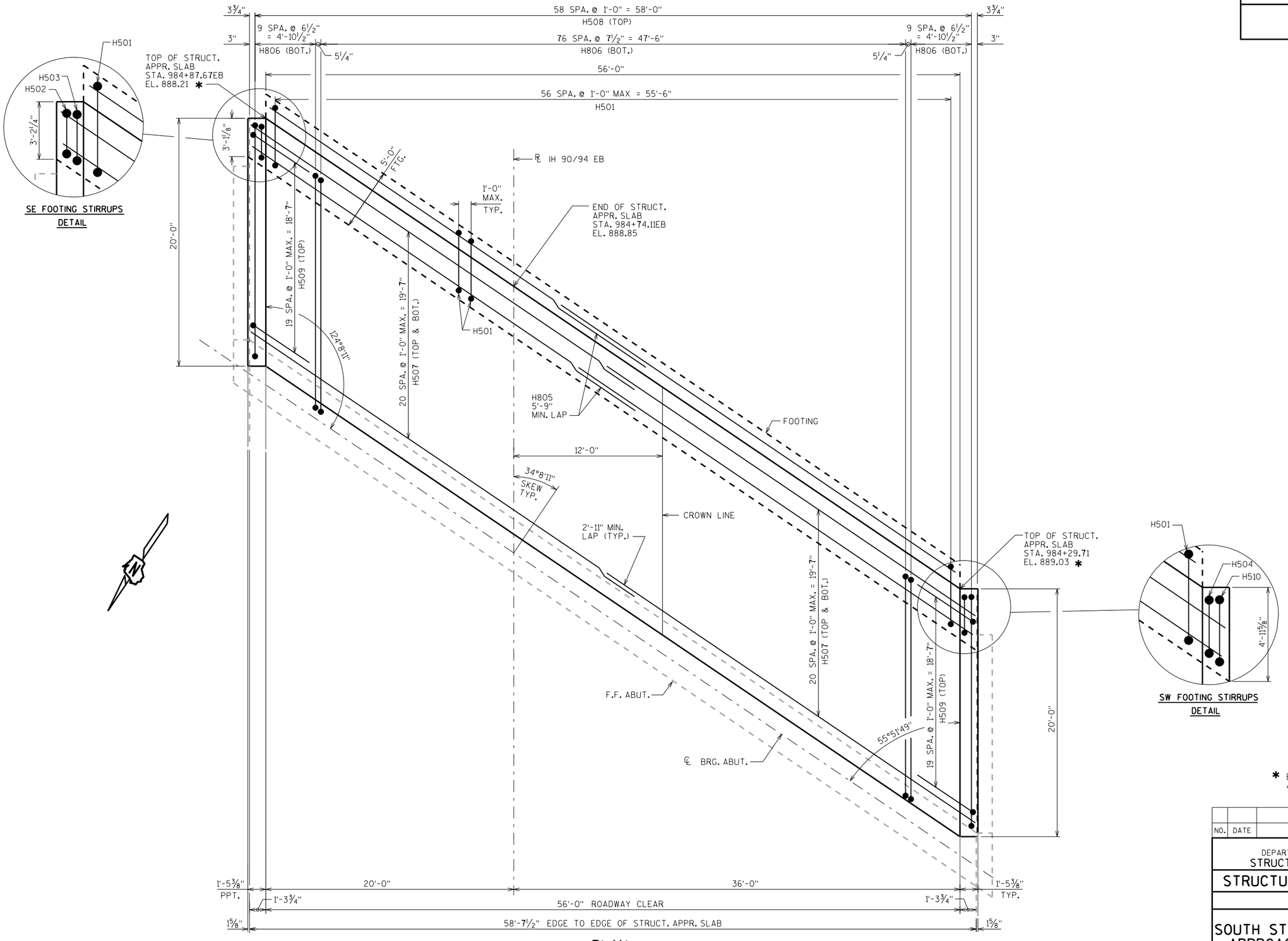
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8

SCALE = 2.50

STATE PROJECT NUMBER

1016-05-70



PLAN

* ELEVATION GIVEN TO THIS POINT AT TOP OF STRUCT. APPR. SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

SOUTH STRUCTURAL APPROACH SLAB

SHEET 22

950

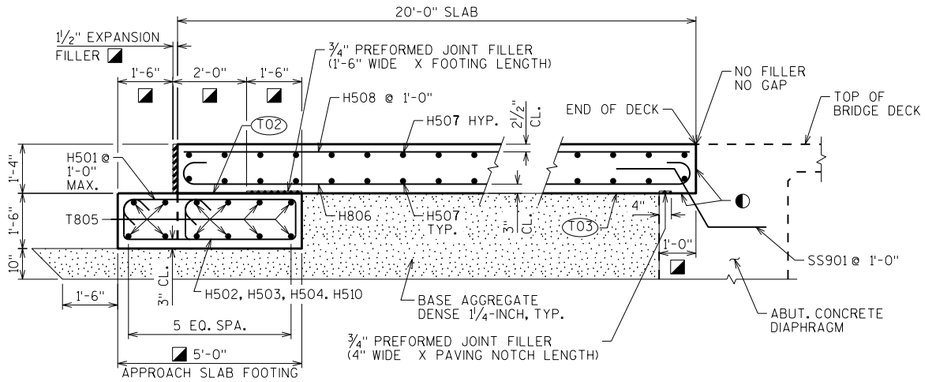
SCALE = 3.75

8

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STATE PROJECT NUMBER

1016-05-70



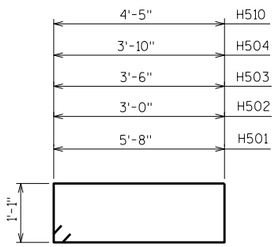
SECTION THRU APPROACH SLAB

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

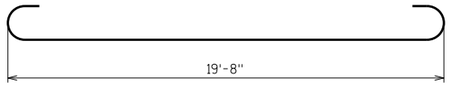
◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.



H501, H502, H503, H504, H510

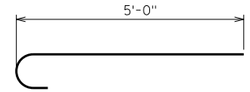


H806

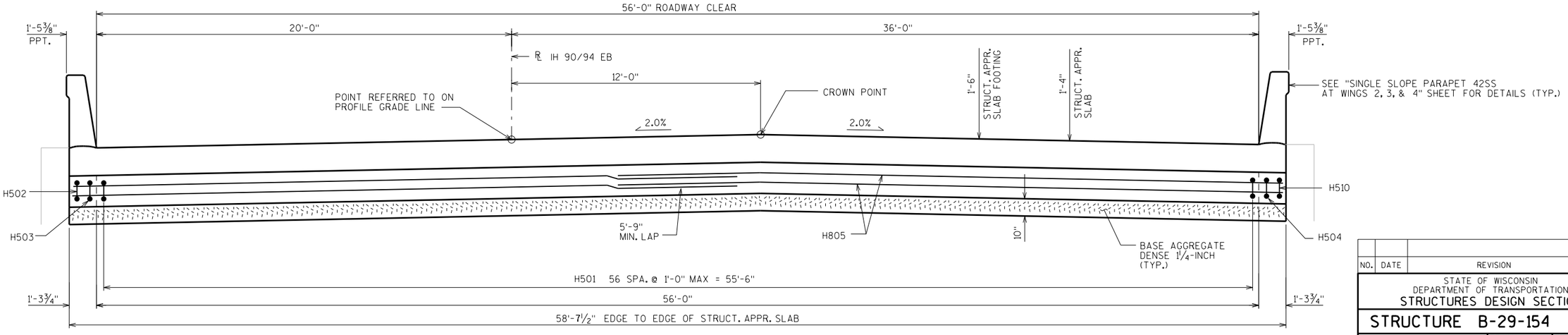
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
H501	X	57	14'-2"	X		FOOTING-VERT. STIRRUP
H502	X	1	8'-10"	X		FOOTING-VERT. STIRRUP
H503	X	1	9'-10"	X		FOOTING-VERT. STIRRUP
H504	X	1	10'-6"	X		FOOTING-VERT. STIRRUP
H805	X	24	38'-6"			FOOTING-HORIZ.-LONGIT.
H806	X	97	21'-6"	X		SLAB-HORIZ.-LONGIT.-BOT.
H507	X	84	36'-9"			SLAB-HORIZ.-TRANS.-TOP & BOT.
H508	X	59	19'-8"			SLAB-HORIZ.-LONGIT.-TOP
H509	X	40	4'-1"	X		SLAB-HORIZ.-TRANS.-TOP EDGES
H510	X	1	11'-8"	X		FOOTING-VERT. STIRRUP



H509



SECTION THRU STRUCTURAL APPROACH SLAB

LOOKING SOUTH
(SHOWING FOOTING STEEL ONLY)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

SOUTH STRUCTURAL APPROACH SLAB DETAILS

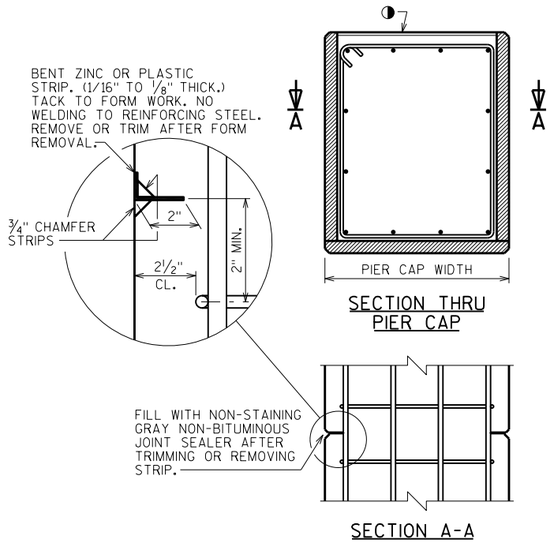
SHEET 23

951

SCALE = 2.50

STATE PROJECT NUMBER

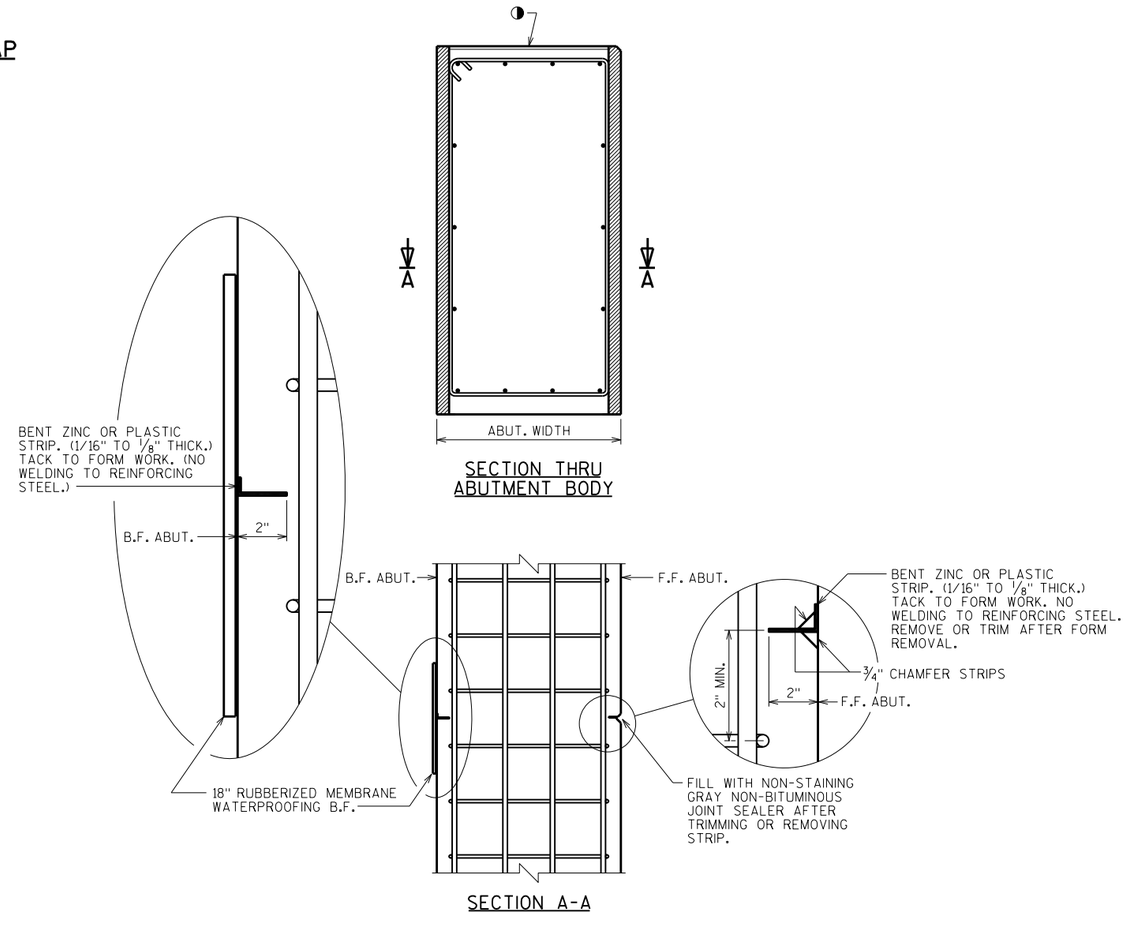
1016-05-70



SECTION THRU PIER CAP

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT PIER CAP



SECTION THRU ABUTMENT BODY

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-154

DRAWN BY WWR | PLANS CK'D. JLR

ALTERNATE CONSTRUCTION JOINT

SHEET 24

952

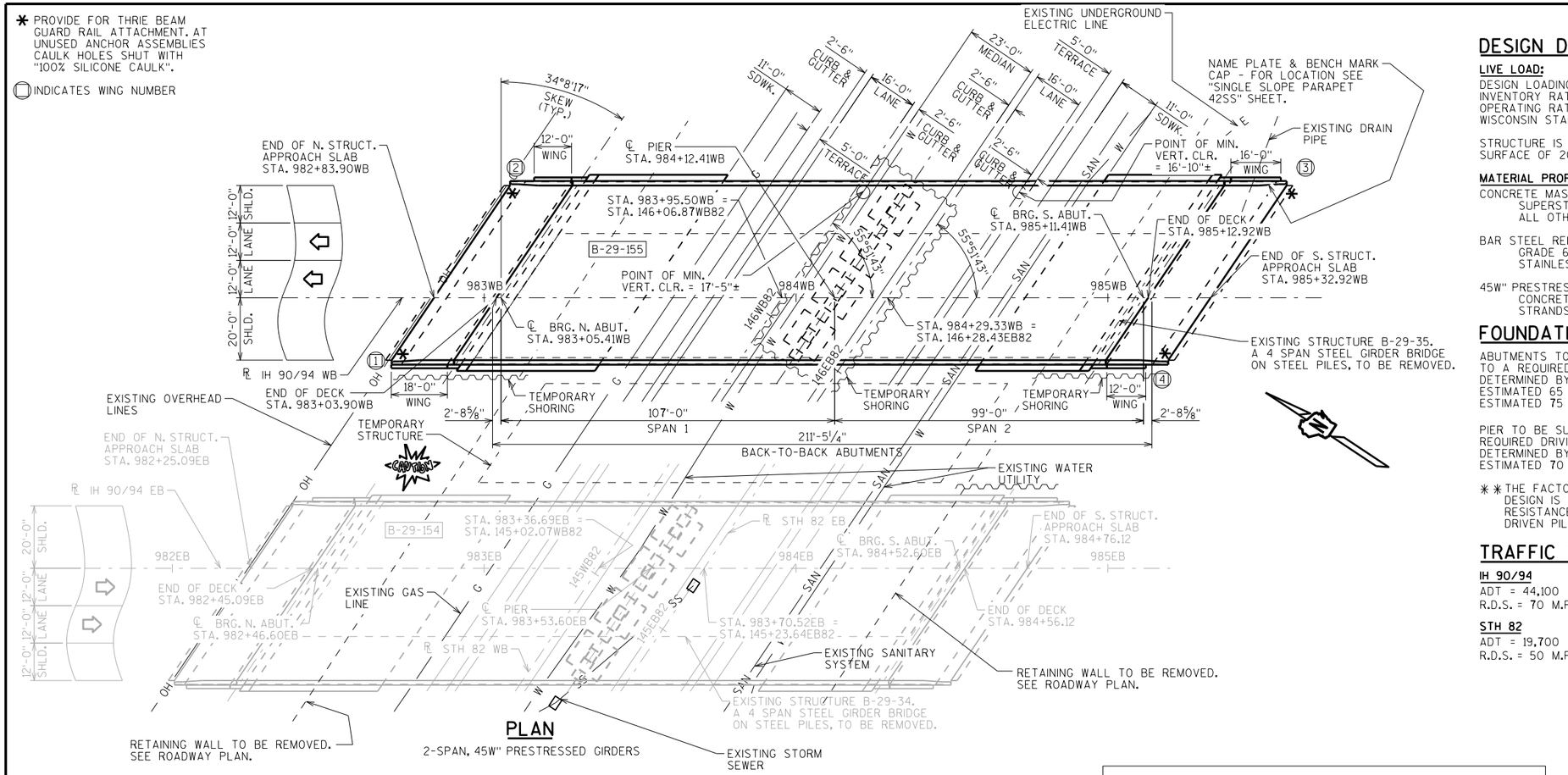
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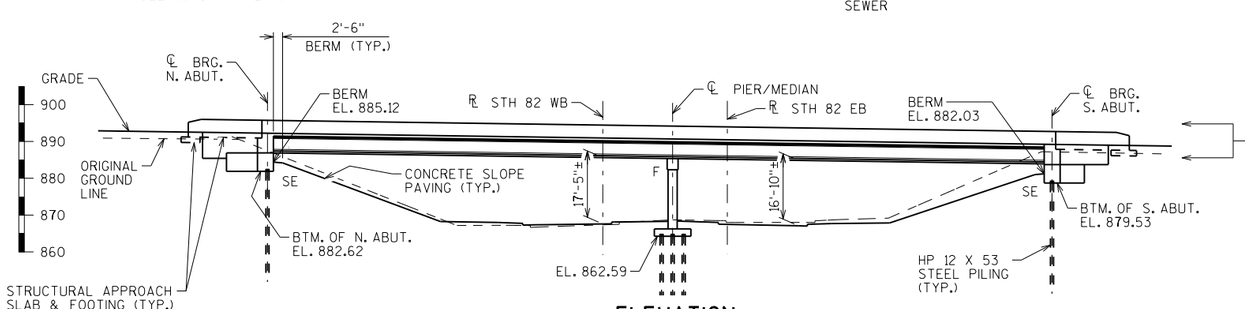
* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER



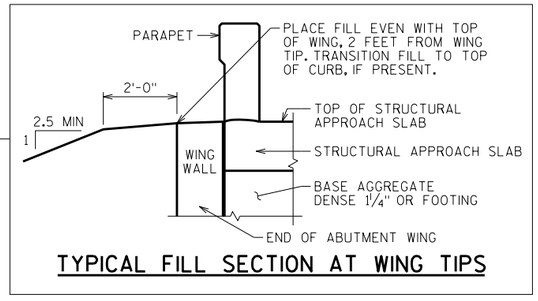
PLAN

2-SPAN, 45W" PRESTRESSED GIRDERS

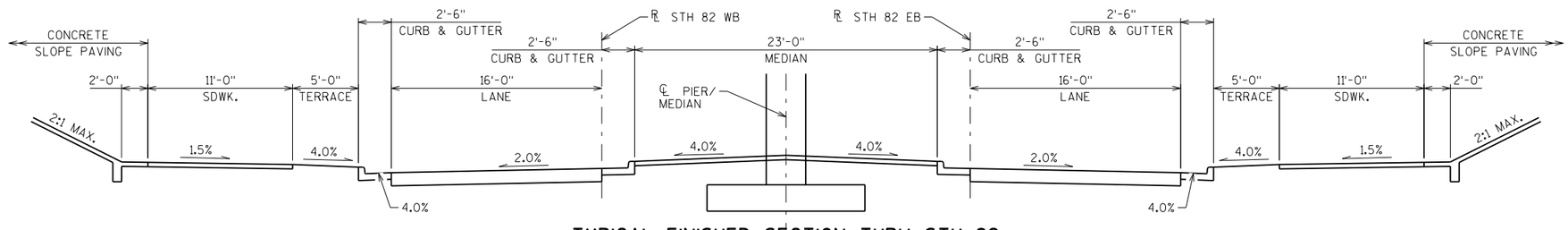


ELEVATION

NORMAL TO STH 82



TYPICAL FILL SECTION AT WING TIPS



TYPICAL FINISHED SECTION THRU STH 82

NORMAL TO STH 82

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.03
OPERATING RATING FACTOR: RF = 1.34
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250(KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

45W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 12 X 53 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 65 FEET LONG AT NORTH ABUTMENT.
ESTIMATED 75 FEET LONG AT SOUTH ABUTMENT.

PIER TO BE SUPPORTED ON HP 12 X 53 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 70 FEET LONG.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH 90/94
ADT = 44,100 (2042)
R.D.S. = 70 M.P.H.

STH 82
ADT = 19,700 (2042)
R.D.S. = 50 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. GENERAL NOTES & DETAILS
4. SUBSURFACE EXPLORATION
5. NORTH ABUTMENT
6. NORTH ABUTMENT DETAILS
7. SOUTH ABUTMENT
8. SOUTH ABUTMENT DETAILS
9. PIER
10. PIER DETAILS
11. 45W" PRESTRESSED GIRDER DETAILS 1
12. 45W" PRESTRESSED GIRDER DETAILS 2
13. STEEL DIAPHRAGM
14. SUPERSTRUCTURE
15. SUPERSTRUCTURE DETAILS
16. SINGLE SLOPE PARAPET 42SS
17. SLOPE PAVING CONCRETE (CAST-IN-PLACE)
18. NORTH STRUCTURAL APPROACH SLAB
19. NORTH STRUCTURAL APPROACH SLAB DETAILS
20. SOUTH STRUCTURAL APPROACH SLAB
21. SOUTH STRUCTURAL APPROACH SLAB DETAILS
22. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:
JONATHON RESHESKE (608) 266-8491
LAURA SHADEWALD (608) 267-9592

STATE PROJECT NUMBER

1016-05-70

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED 12/8/21
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-29-155

IH 90/94 WB OVER STH 82

COUNTY	TOWN
JUNEAU	LEMONWEIR

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JLR	ARC	WWR	JLR

GENERAL PLAN

SHEET 1 OF 22

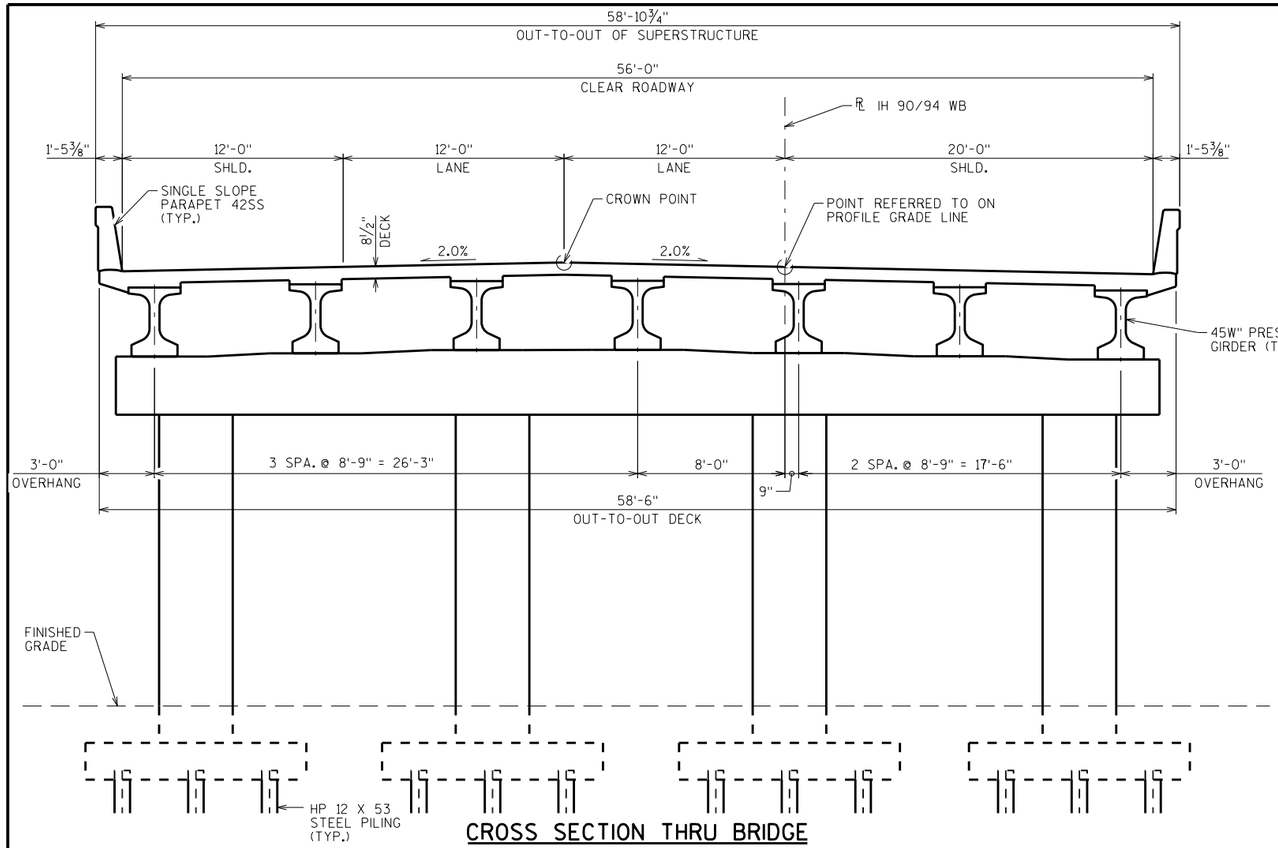
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I.D. 1016-05-00D DATE: OCT. 2021

SCALE = 20.00

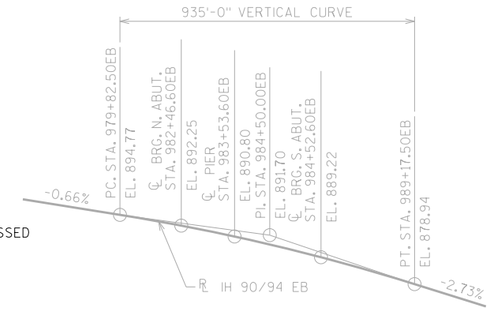
STATE PROJECT NUMBER

1016-05-70

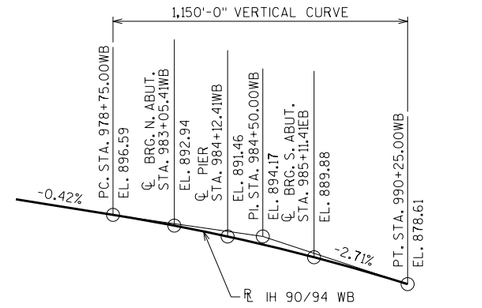


CROSS SECTION THRU BRIDGE

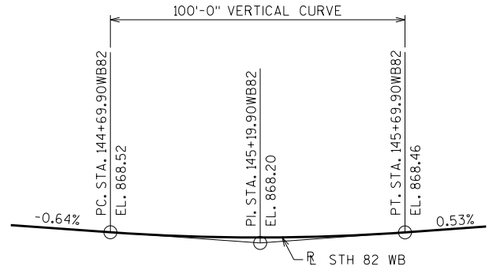
LOOKING UPSTATION



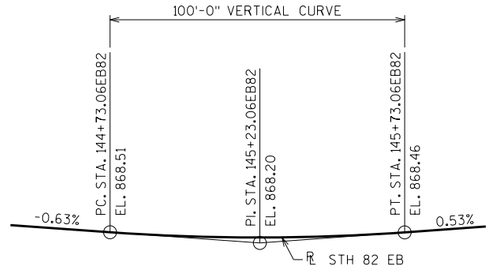
PROFILE GRADE LINE - IH 90/94 EB



PROFILE GRADE LINE - IH 90/94 WB



PROFILE GRADE LINE - STH 82 WB



PROFILE GRADE LINE - STH 82 EB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	N. STRUCT. APP. SLAB	NORTH ABUT.	PIER	SOUTH ABUT.	S. STRUCT. APP. SLAB	TOTALS
203.0220	REMOVING STRUCTURE B-29-35	EACH	———	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-29-155	LS	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	267	———	———	———	274	541
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	183	———	———	———	183	366
501.1000.S	ICE HOT WEATHER CONCRETING	LB	3915	630	565	1195	580	630	7515
502.0100	CONCRETE MASONRY BRIDGES	CY	522	84	75	159	77	84	1001
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1338	125	———	———	———	125	1588
502.3210	PIGMENTED SURFACE SEALER	SY	208	20	———	———	———	20	248
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF	1448	———	———	———	———	———	1448
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	5170	5240	4780	———	15,190
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	110,100	14,530	2160	20,420	1820	14,530	163,560
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2040	———	———	———	———	———	2040
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	7	14	7	———	28
506.4000	STEEL DIAPHRAGMS B-29-155	EACH	24	———	———	———	———	———	24
511.1200	TEMPORARY SHORING B-29-155	SF	———	———	400	———	415	———	815
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	16	———	16	———	32
550.0010	PRE-BORING UNCONSOLIDATED MATERIALS	LF	———	———	240	———	240	———	480
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	———	———	780	2240	900	———	3920
604.0400	SLOPE PAVING CONCRETE	SY	———	———	326	———	266	———	592
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	245	———	245	———	490
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	2	———	———	———	2	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	71	———	71	———	142
	NON-BID ITEMS								
	FILLER	SIZE	———	———	———	———	———	———	½", ¾", 1½"

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

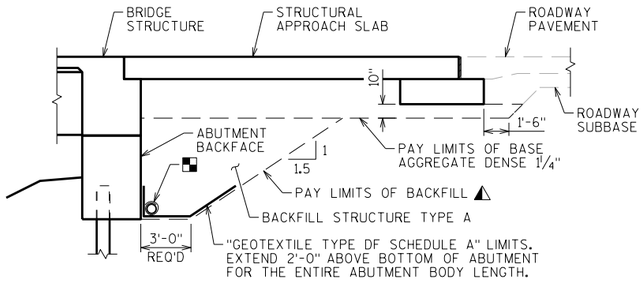
DRAWN BY WWR | PLANS CK'D. JLR

CROSS SECTION & QUANTITIES

SHEET 2

954

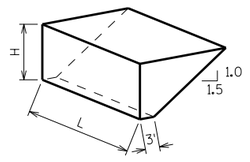
SCALE = 4.00



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-29-155" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH CONCRETE SLOPE PAVING TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "45W PRESTRESSED GIRDER DETAILS 2" SHEET.

VARIABILITY IN DRIVEN PILE TIP ELEVATIONS IS EXPECTED DUE TO SLOPING AND UNDULATING BEDROCK SURFACES.

COORDINATE REMOVAL OF EXISTING RETAINING WALLS WITH REMOVAL OF EXISTING BRIDGE AND BRIDGE CONSTRUCTION. RETAINING WALL BLOCKS TO BE RETAINED. SEE ROADWAY PLANS FOR PAYMENT, SPECIAL PROVISIONS, & DETAILS.

STATE PROJECT NUMBER
1016-05-70

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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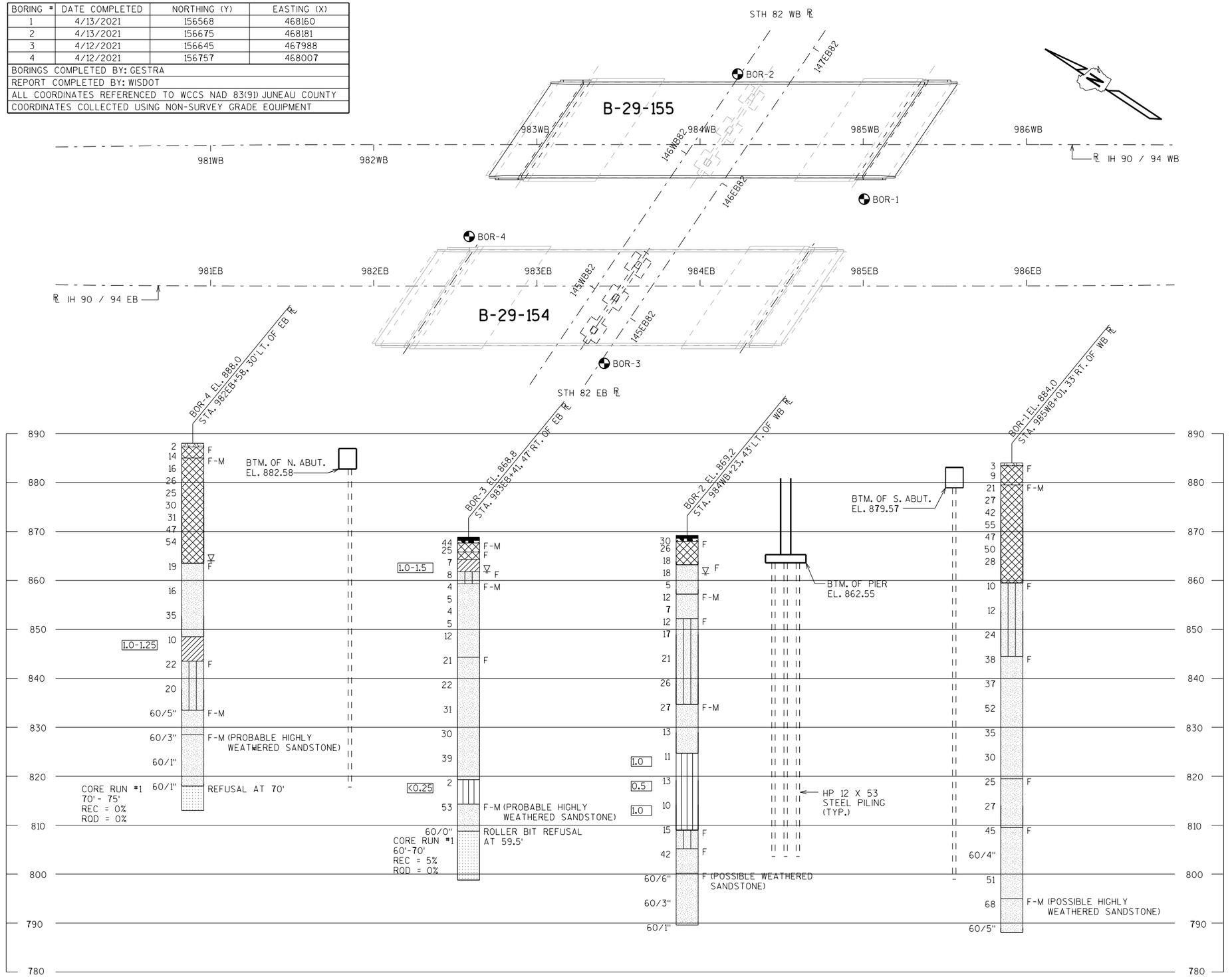
GENERAL NOTES & DETAILS

SHEET 3

955

SCALE = 1.00

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	4/13/2021	156568	468160
2	4/13/2021	156675	468181
3	4/12/2021	156645	467988
4	4/12/2021	156757	468007
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			



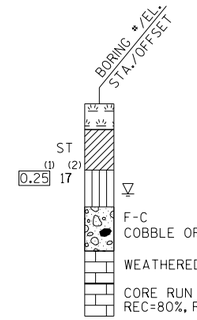
STATE PROJECT NUMBER

1016-05-70

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

▽ AT TIME OF DRILLING

▼ END OF DRILLING

▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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SUBSURFACE EXPLORATION

SHEET 4

956

8

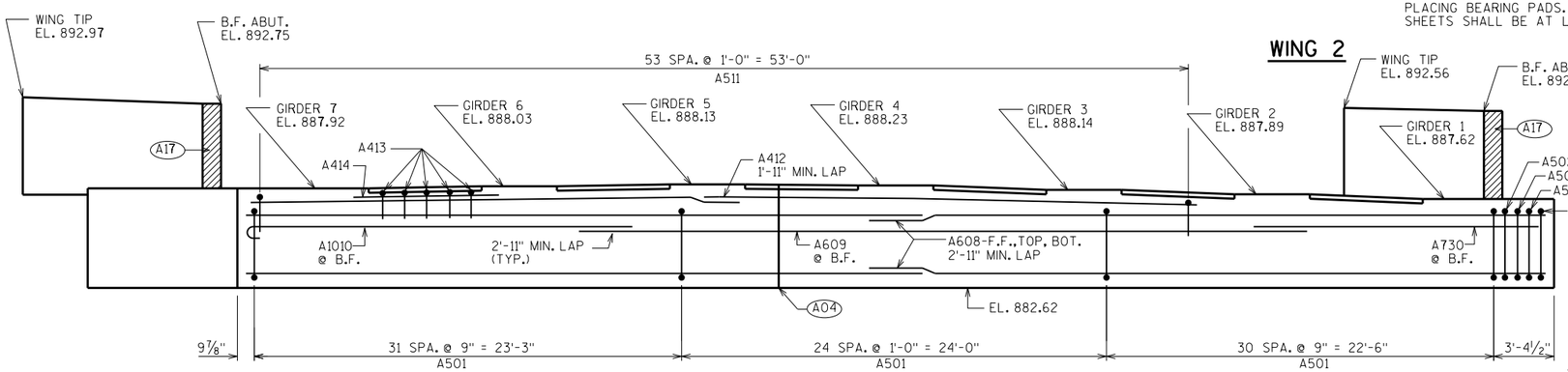
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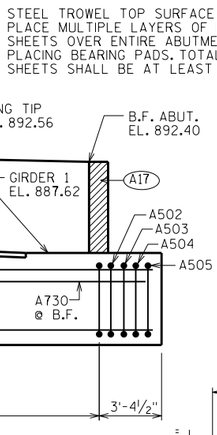
STATE PROJECT NUMBER

1016-05-70

WING 1



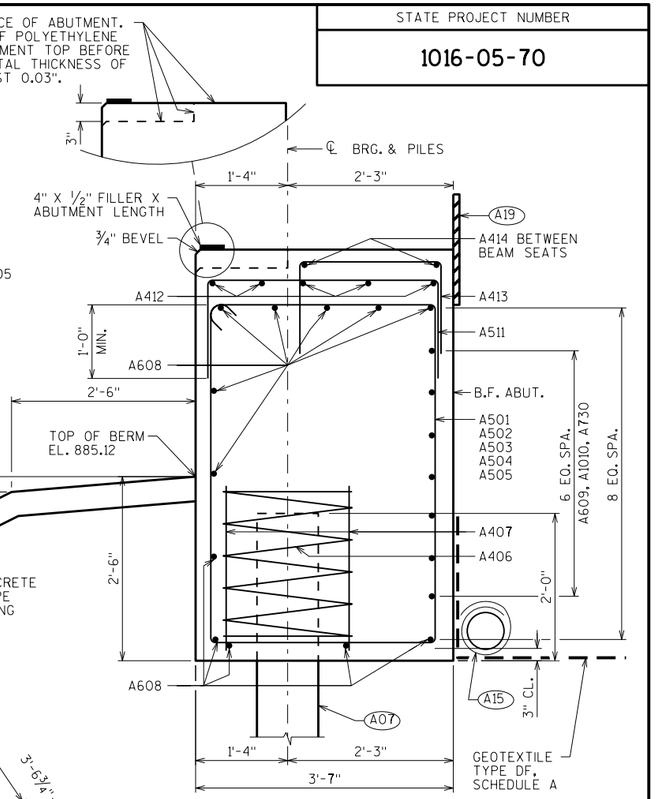
WING 2



ELEVATION

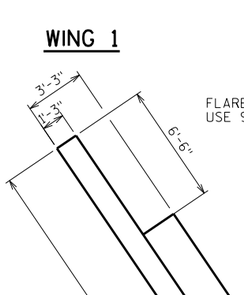
LOOKING NORTH

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".

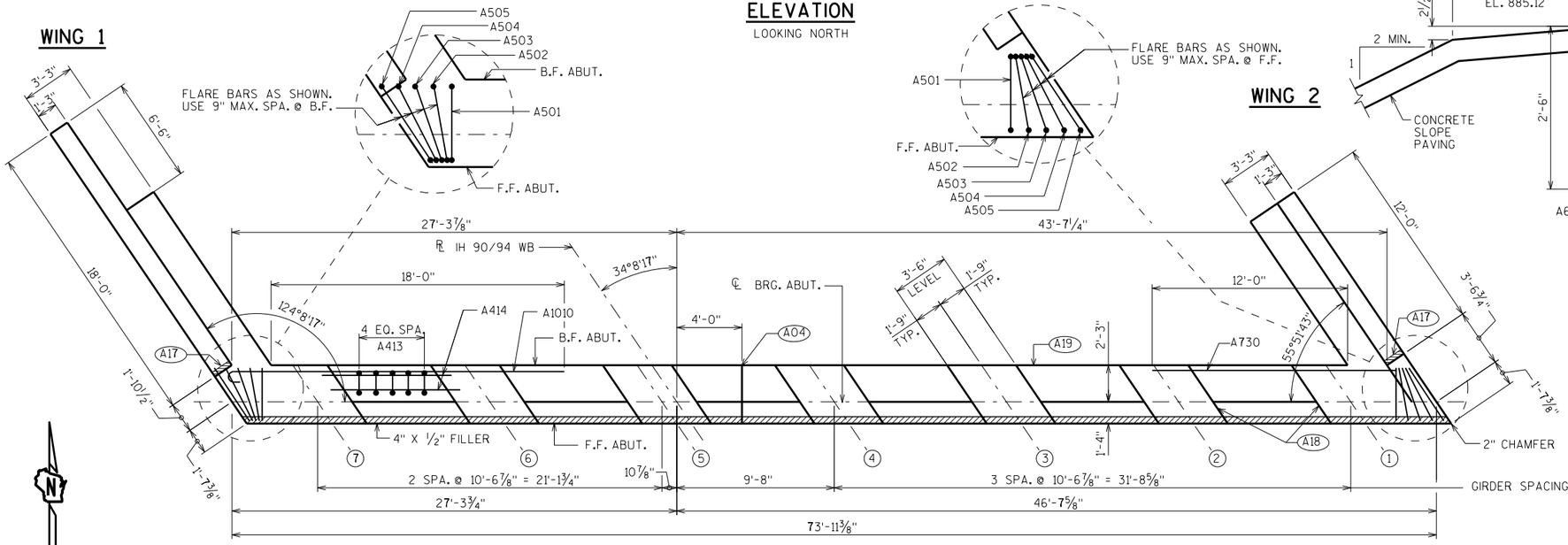


SECTION THRU BODY

WING 1

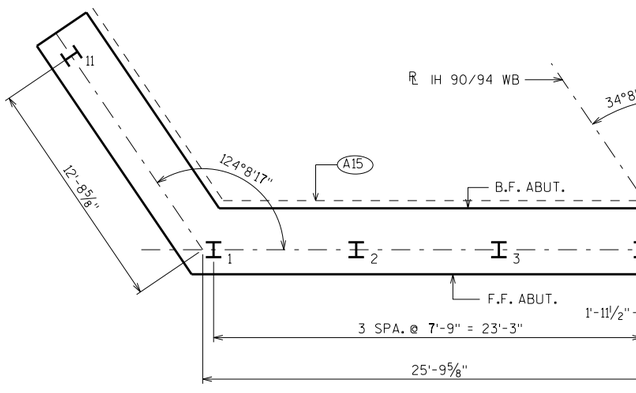


WING 2

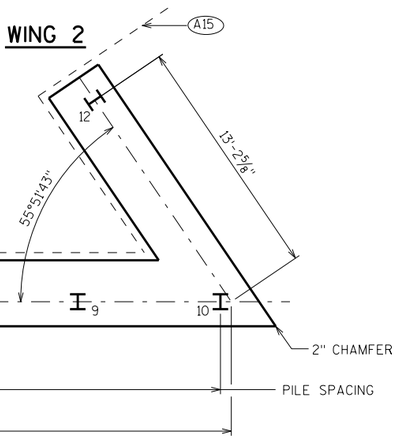


PLAN

WING 1



WING 2



PILE PLAN

A04 VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

A07 SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 65'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A18 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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NORTH ABUTMENT

SHEET 5

957

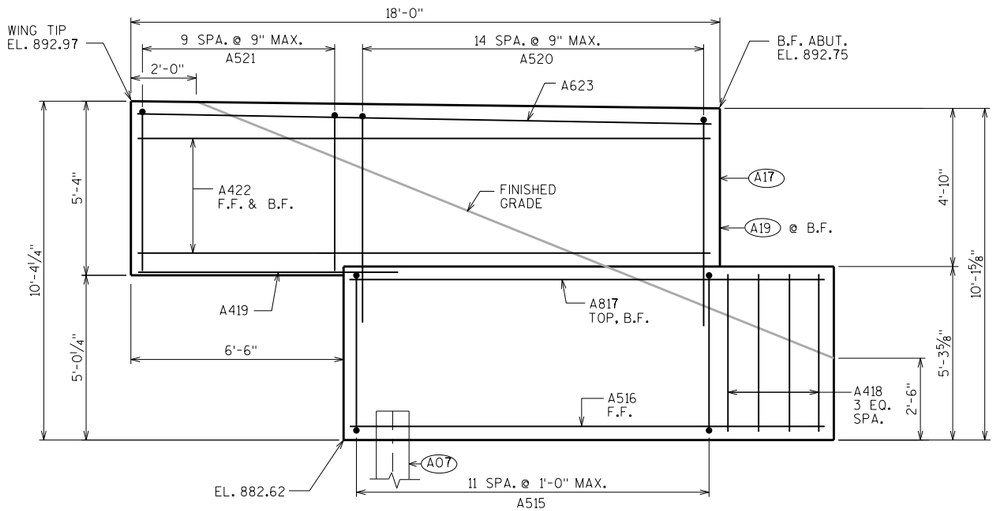
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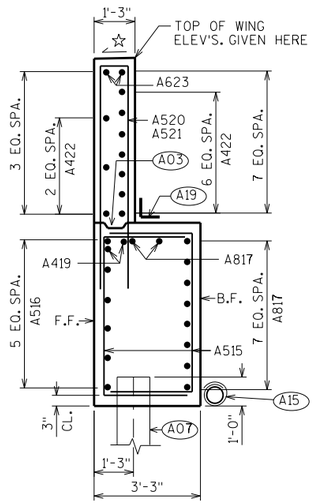
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STATE PROJECT NUMBER

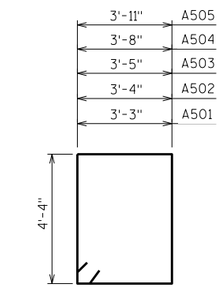
1016-05-70



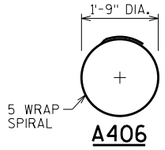
WING 1 ELEVATION



WING 1 SECTION



A501, A502, A503 A504, A505

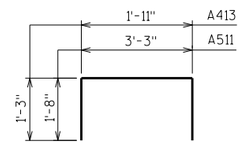


A406

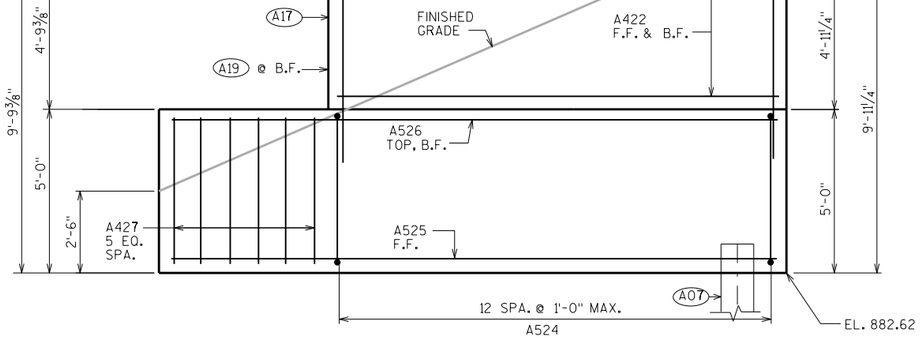
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

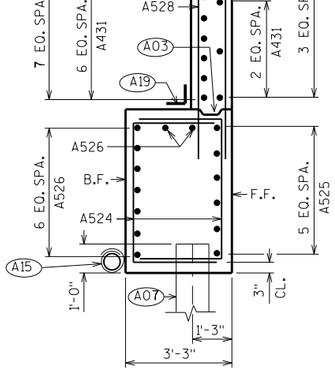
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		86	15'-10"	X		BODY-VERT. STIRRUP
A502		2	16'-0"	X		BODY-VERT. STIRRUP
A503		2	16'-2"	X		BODY-VERT. STIRRUP
A504		2	16'-8"	X		BODY-VERT. STIRRUP
A505		2	17'-2"	X		BODY-VERT. STIRRUP
A406		10	28'-0"	X		BODY PILE-1 PER BODY PILE
A407		20	2'-3"			BODY PILE-2 PER BODY PILE
A608		24	38'-4"			BODY-HORIZ. F.F., TOP, BOT.
A609		7	42'-0"			BODY-HORIZ. B.F.
A1010		7	21'-0"	X		BODY-HORIZ. B.F. WING 1 END
A511		54	6'-4"	X		BODY-VERT. TOP U-BAR
A412		10	28'-0"			BODY-HORIZ. TOP
A413		30	4'-3"	X		BODY-VERT. TOP U-BAR BTWN. BEAM SEATS
A414		12	8'-4"			BODY-HORIZ. TOP BTWN. BEAM SEATS
A515	X	24	10'-3"	X		WING BODY 1-VERT. U-BAR
A516	X	6	14'-8"			WING BODY 1-HORIZ. F.F.
A817	X	10	16'-3"	X		WING BODY 1-HORIZ. TOP, B.F.
A418		4	4'-11"			BODY-VERT. END @ WING 1
A419	X	2	7'-9"			WING BODY/WALL 1-HORIZ.
A520	X	15	14'-8"	X		WING BODY/WALL 1-VERT.
A521	X	10	10'-6"	X		WING WALL 1-VERT.
A422	X	10	17'-8"			WING WALL 1-HORIZ.
A623	X	2	17'-8"			WING WALL 1-HORIZ. TOP
A524	X	26	10'-0"	X		WING BODY 2-VERT. U-BAR
A525	X	6	16'-7"			WING BODY 2-HORIZ. F.F.
A526	X	9	12'-3"			WING BODY 2-HORIZ. TOP, B.F.
A427		6	4'-8"			BODY-VERT. END @ WING 2
A528	X	17	14'-2"	X		WING BODY/WALL 2-VERT.
~~A529~~	~~X~~	NOT	USED	~~X~~		~~WING WALL 2 VERT.~~
A730		7	14'-9"			BODY-HORIZ. B.F. WING 2 END
A431	X	10	11'-8"			WING WALL 2-HORIZ.
A632	X	2	11'-8"			WING WALL 2-HORIZ. TOP



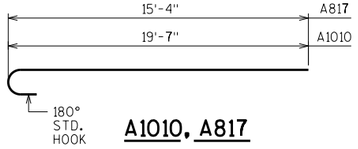
A511, A413



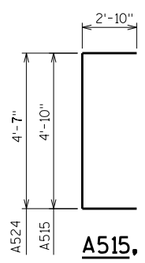
WING 2 ELEVATION



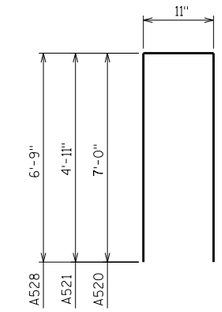
WING 2 SECTION



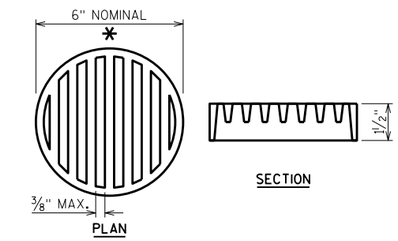
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A515, A524



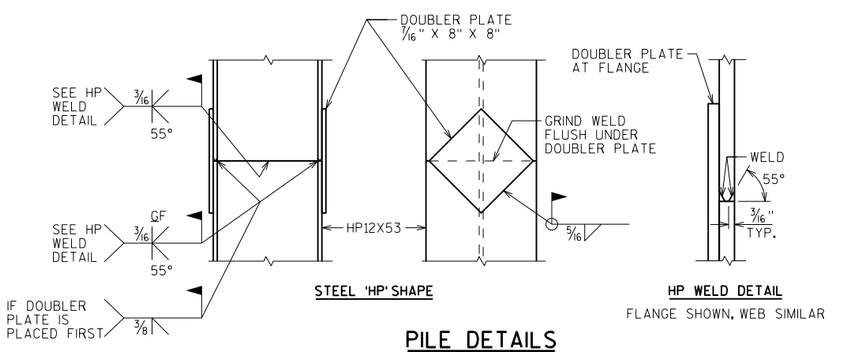
A520, A521, A528



PLAN

SECTION

RODENT SHIELD DETAIL



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

☆ SLOPE FOR DRAINAGE

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A07) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 65'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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NORTH ABUTMENT DETAILS

SHEET 6

958

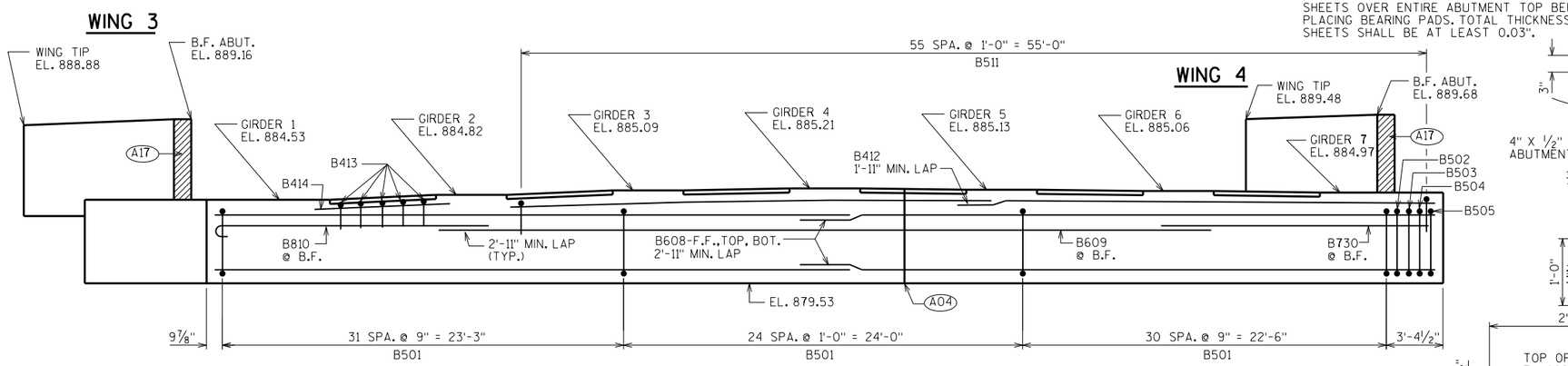
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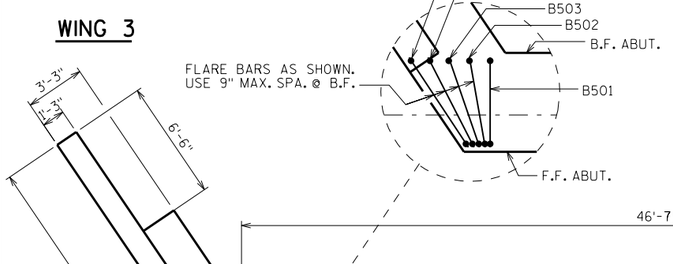
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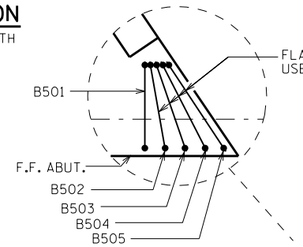
1016-05-70

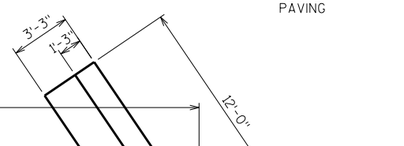


ELEVATION

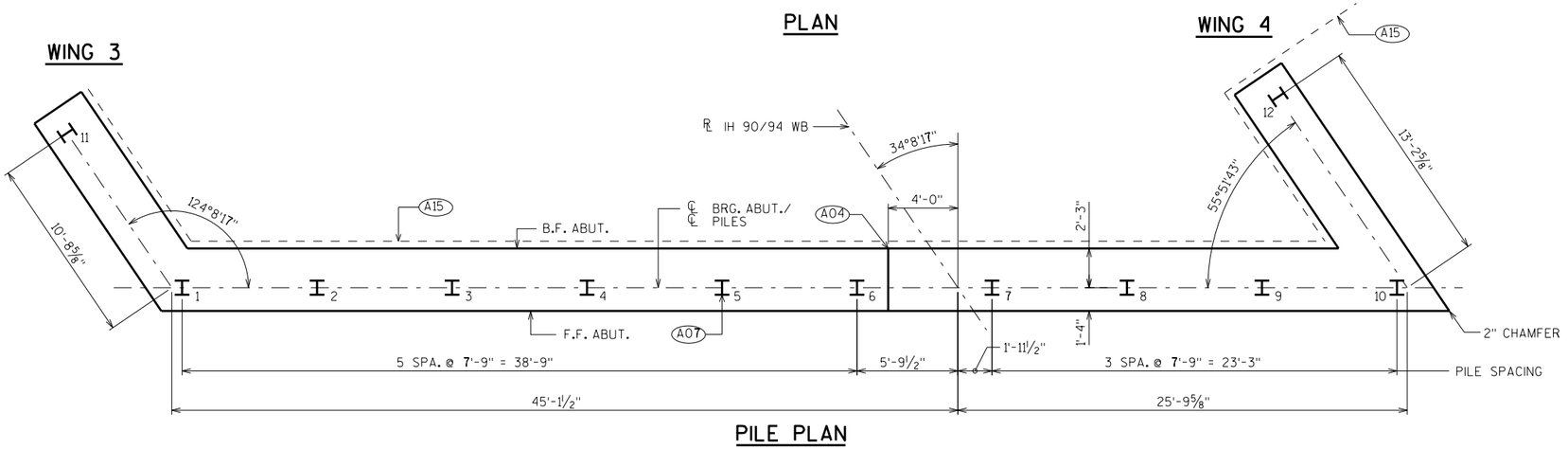
LOOKING SOUTH



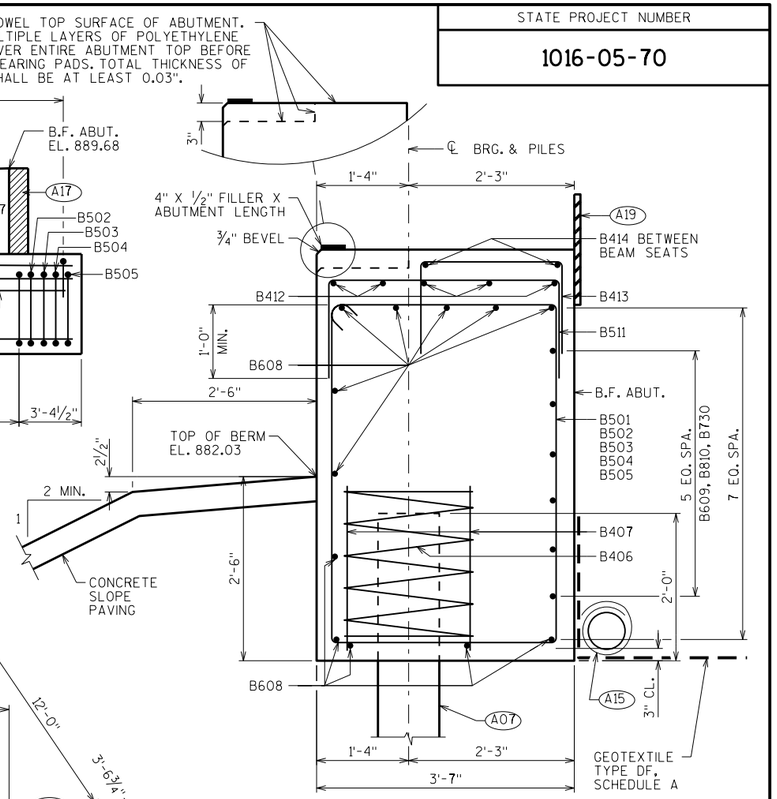




PLAN



PILE PLAN



SECTION THRU BODY

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A07) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 75'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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SOUTH ABUTMENT

SHEET 7

959

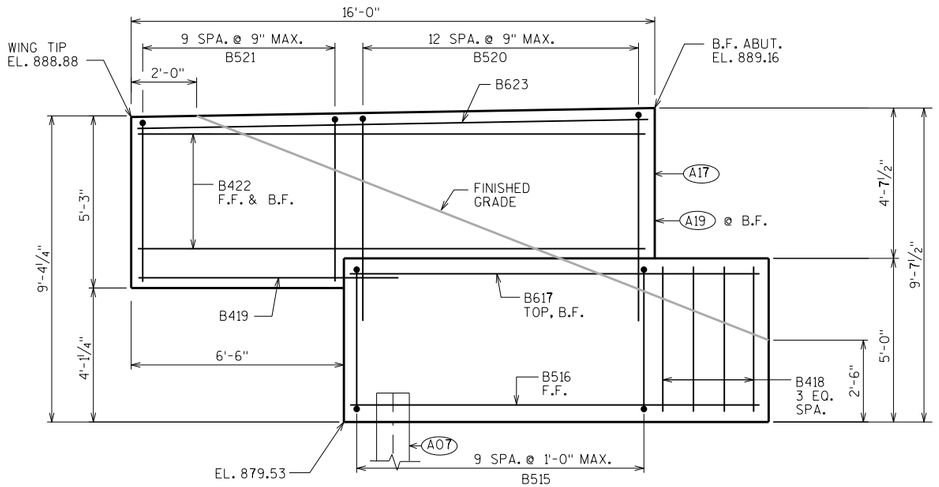
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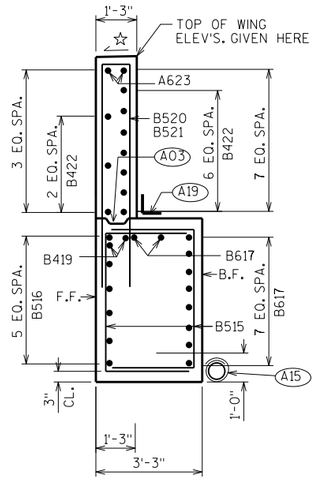
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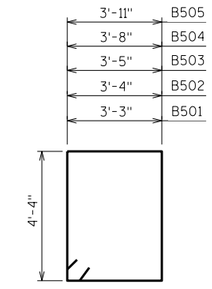
1016-05-70



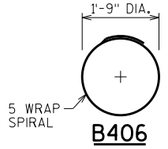
WING 3 ELEVATION



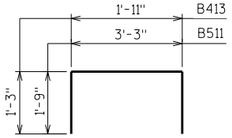
WING 3 SECTION



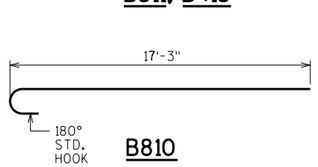
B501, B502, B503 B504, B505



B406



B511, B413

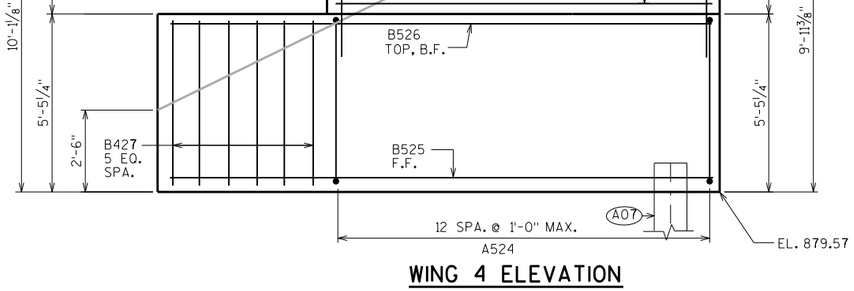


B810

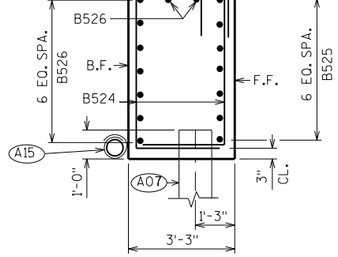
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

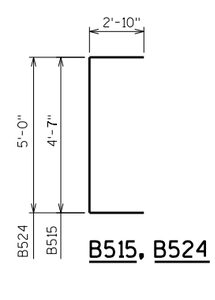
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		86	15'-10"	X		BODY-VERT. STIRRUP
B502		2	16'-0"	X		BODY-VERT. STIRRUP
B503		2	16'-2"	X		BODY-VERT. STIRRUP
B504		2	16'-8"	X		BODY-VERT. STIRRUP
B505		2	17'-2"	X		BODY-VERT. STIRRUP
B406		10	28'-0"	X		BODY PILE-1 PER BODY PILE
B407		20	2'-3"			BODY PILE-2 PER BODY PILE
B608		24	38'-4"			BODY-HORIZ. F.F., TOP, BOT.
B609		6	44'-0"			BODY-HORIZ. B.F.
B810		6	18'-2"	X		BODY-HORIZ. B.F. WING 3 END
B511		56	6'-6"	X		BODY-VERT. TOP U-BAR
B412		10	29'-0"			BODY-HORIZ. TOP
B413		30	4'-3"	X		BODY-VERT. TOP U-BAR BTWN. BEAM SEATS
B414		12	8'-4"			BODY-HORIZ. TOP BTWN. BEAM SEATS
B515	X	20	10'-0"	X		WING BODY 3-VERT. U-BAR
B516	X	6	12'-8"			WING BODY 3-HORIZ. F.F.
B617	X	10	12'-10"			WING BODY 3-HORIZ. TOP, B.F.
B418		4	4'-8"			BODY-VERT. END @ WING 3
B419	X	2	7'-9"			WING BODY/WALL 3-HORIZ.
B520	X	13	13'-6"	X		WING BODY/WALL 3-VERT.
B521	X	10	10'-6"	X		WING WALL 3-VERT.
B422	X	10	15'-8"			WING WALL 3-HORIZ.
B623	X	2	15'-8"			WING WALL 3-HORIZ. TOP
B524	X	26	10'-5"	X		WING BODY 4-VERT. U-BAR
B525	X	7	16'-7"			WING BODY 4-HORIZ. F.F.
B526	X	9	13'-8"			WING BODY 4-HORIZ. TOP, B.F.
B427		6	5'-0"			BODY-VERT. END @ WING 4
B528	X	17	13'-8"			WING BODY/WALL 4-VERT.
~~B529~~	~~X~~	NOT	USED	~~X~~		~~WING WALL 4-VERT.~~
B730		6	14'-9"			BODY HORIZ.-B.F. WING 4 END
B431	X	10	11'-8"			WING WALL 4-HORIZ.
B632	X	2	11'-8"			WING WALL 4-HORIZ. TOP



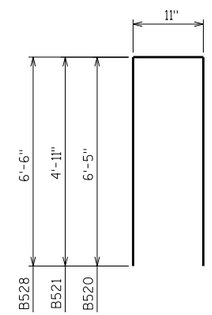
WING 4 ELEVATION



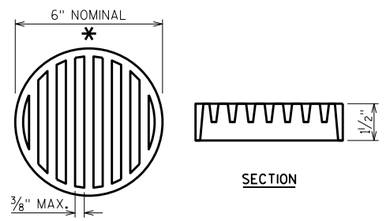
WING 4 SECTION



B515, B524



B520, B521, B528

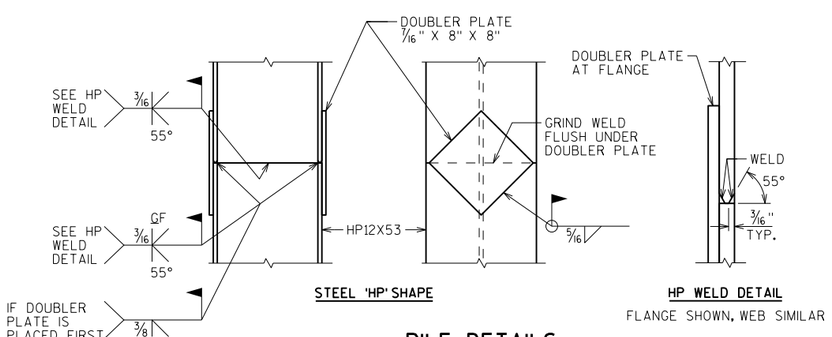


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

☆ SLOPE FOR DRAINAGE

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A07) SUPPORT ABUTMENT ON HP 12 x 53 STEEL PILING, ESTIMATED 75'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

DRAWN BY WWR | PLANS CK'D. JLR

SOUTH ABUTMENT DETAILS

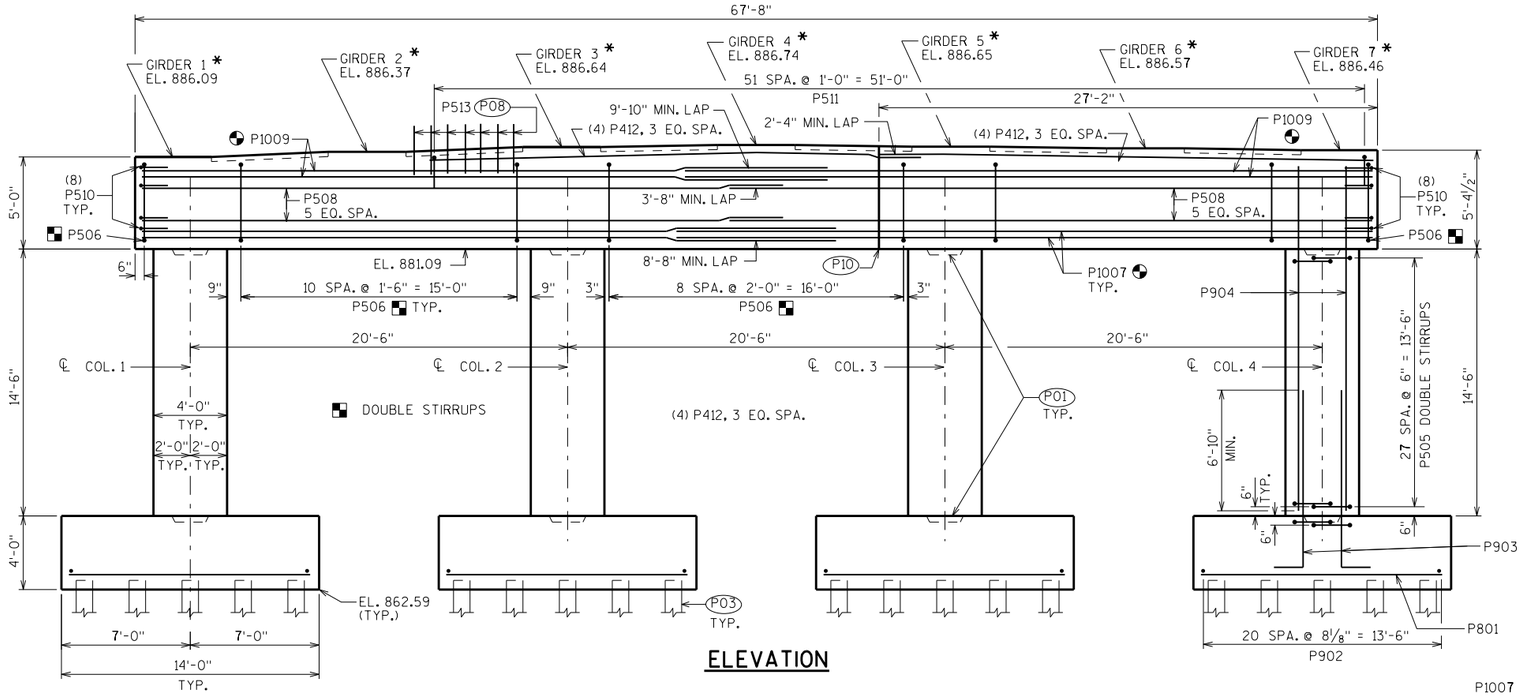
SHEET 8

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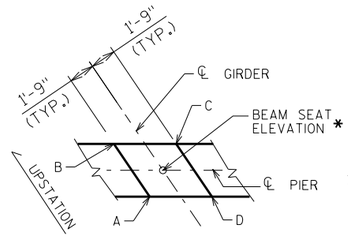
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8

SCALE = 2.25



ELEVATION



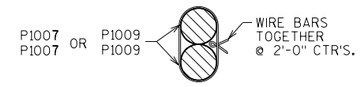
TYPICAL ALL GIRDERS

LOCATION	ELEV. DIFF.
A	0.01
B	-0.04
C	-0.01
D	0.05

◆ ELEVATION DIFFERENCE HAPPENS AT CORNER INSTEAD OF 1'-9" DISTANCE.

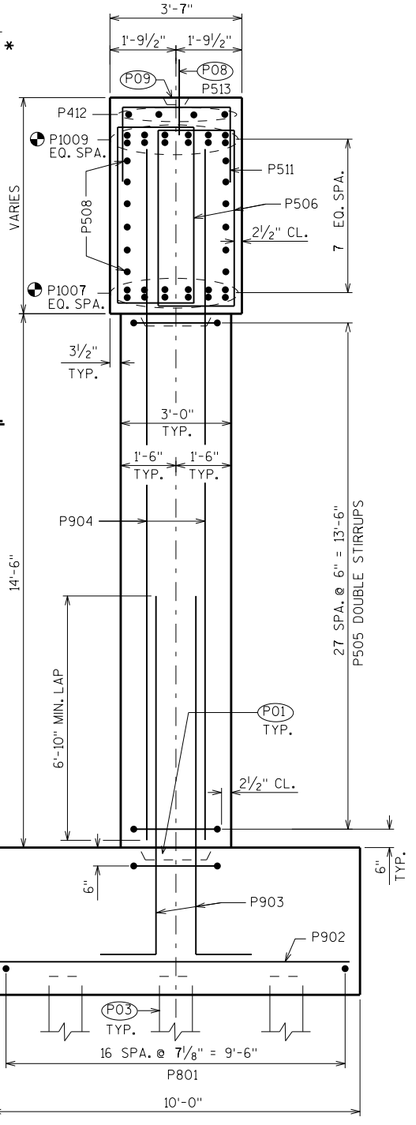
◪ NO ELEVATION CHANGE REQUIRED

SLOPED BEAM SEAT DETAIL

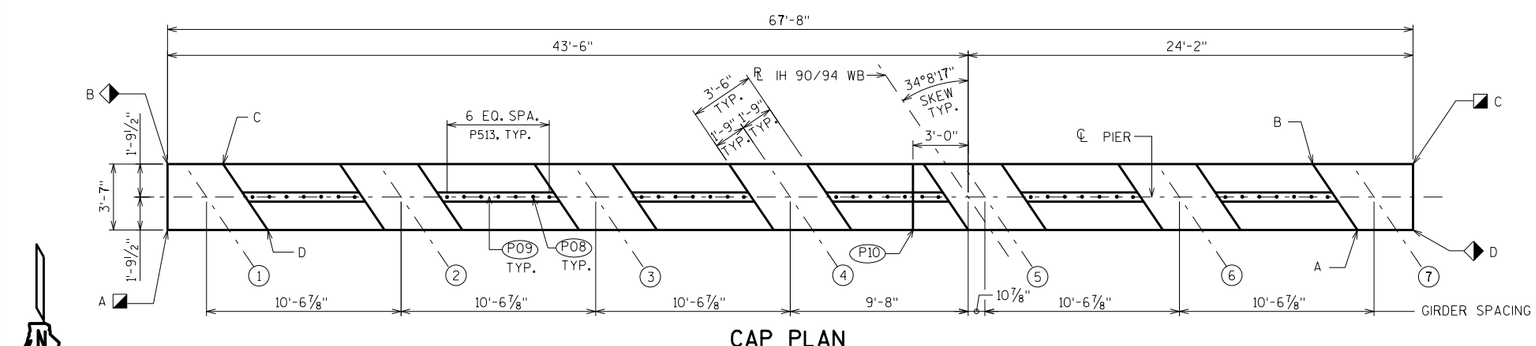


◔ BUNDLING DETAIL

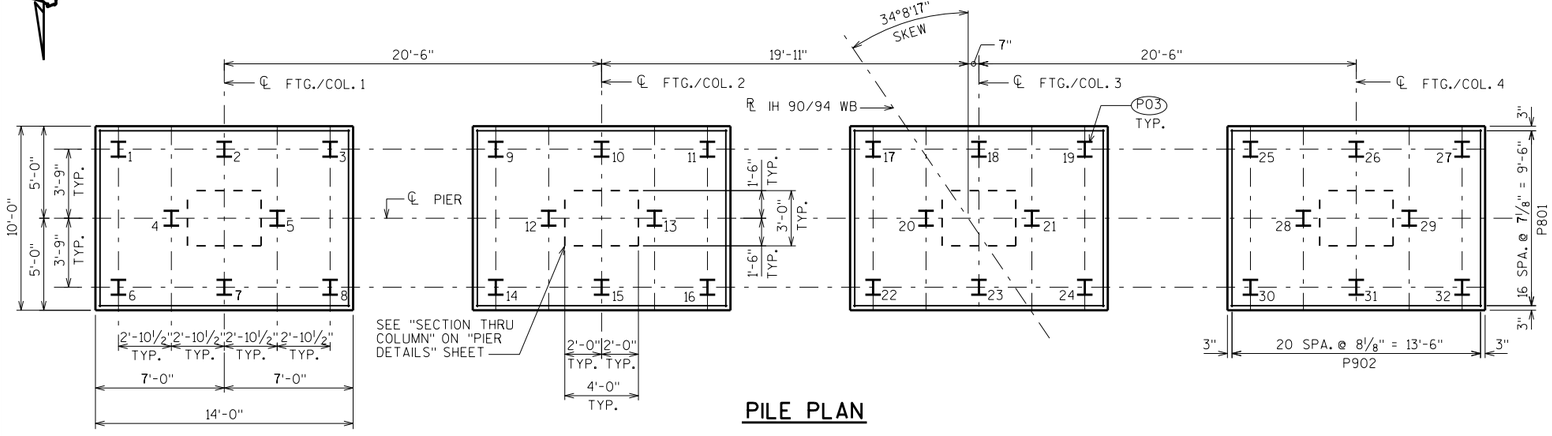
REQUIRED FOR TOP AND BOTTOM HORIZ. PIER CAP BARS IN SPECIFIC LOCATIONS. SEE SECTION THRU PIER CAP FOR EXACT LOCATIONS.



END SECTION



CAP PLAN



PILE PLAN

(P01) 1'-3" × 2'-0" × 4" CONST. JOINT FORMED BY BEVELED KEYWAY.

(P03) SUPPORT PIER ON HP 12 × 53 STEEL PILING, ESTIMATED 70'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE.

(P08) P513 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONST. JOINT-FORMED BY BEVELED 2 × 6 BETWEEN BEAM SEATS.

(P10) VERT. CONST. JOINT FORMED BY BEVELED 2 × 8.3/4" "V" GROOVE ON ALL FACES. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

STATE PROJECT NUMBER

1016-05-70

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

DRAWN BY WWR | PLANS CK'D. JLR

PIER

SHEET 9

961

SCALE = 4.00

8

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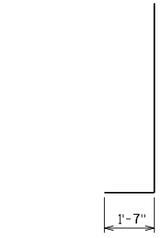
STATE PROJECT NUMBER

1016-05-70

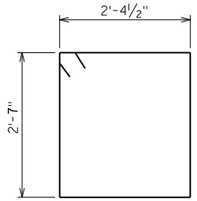
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

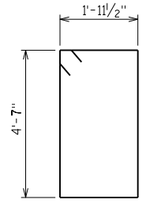
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P801		68	13'-8"			FOOTING-HORIZ.
P902		84	9'-8"			FOOTING-HORIZ.
P903	X	72	11'-6"	X		FOOTING/COLUMN-VERT.
P904	X	72	19'-0"			COLUMN-VERT.
P505	X	232	10'-7"	X		COLUMN-HORIZ.
P506	X	66	13'-9"	X		CAP-VERT. STIRRUP
P1007	X	24	38'-0"			CAP-HORIZ.-BOT.
P508	X	24	35'-8"			CAP-HORIZ.-MIDDLE
P1009	X	24	38'-6"			CAP-HORIZ.-TOP
P510	X	16	6'-4"	X		CAP-HORIZ END U-BAR
P511	X	52	5'-11"	X		CAP-VERT.-TOP
P412	X	8	26'-10"			CAP-HORIZ.TOP
P513	X	42	2'-0"			CAP-VERT. DOWEL



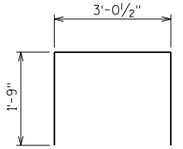
P903



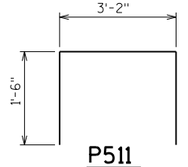
P505



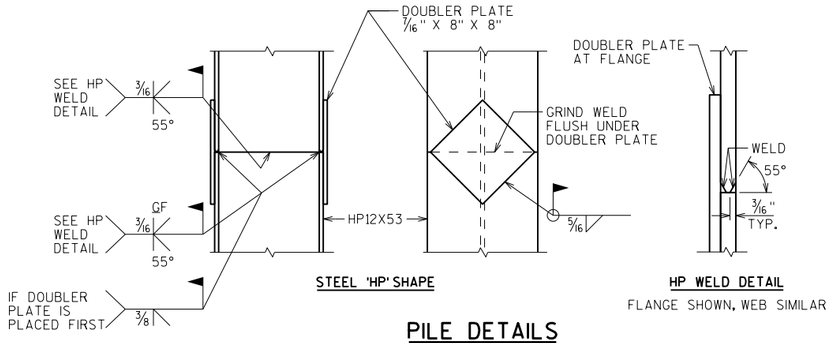
P506



P510



P511

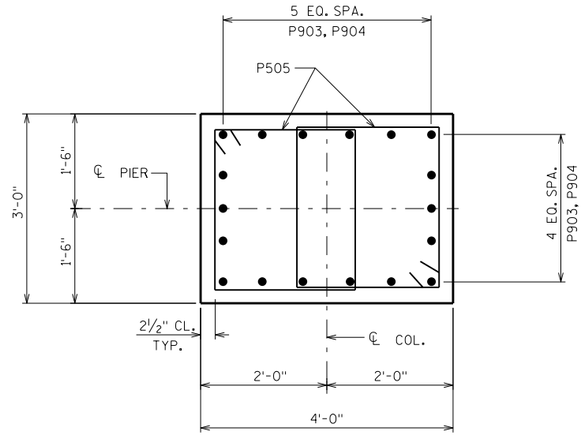


STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS



SECTION THRU COLUMN

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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PIER DETAILS

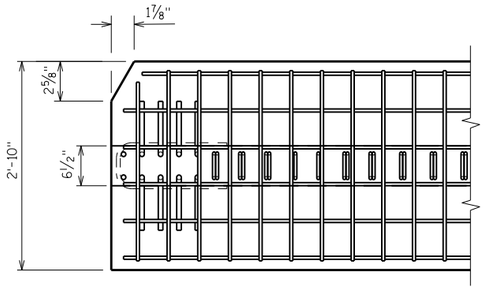
SHEET 10

962

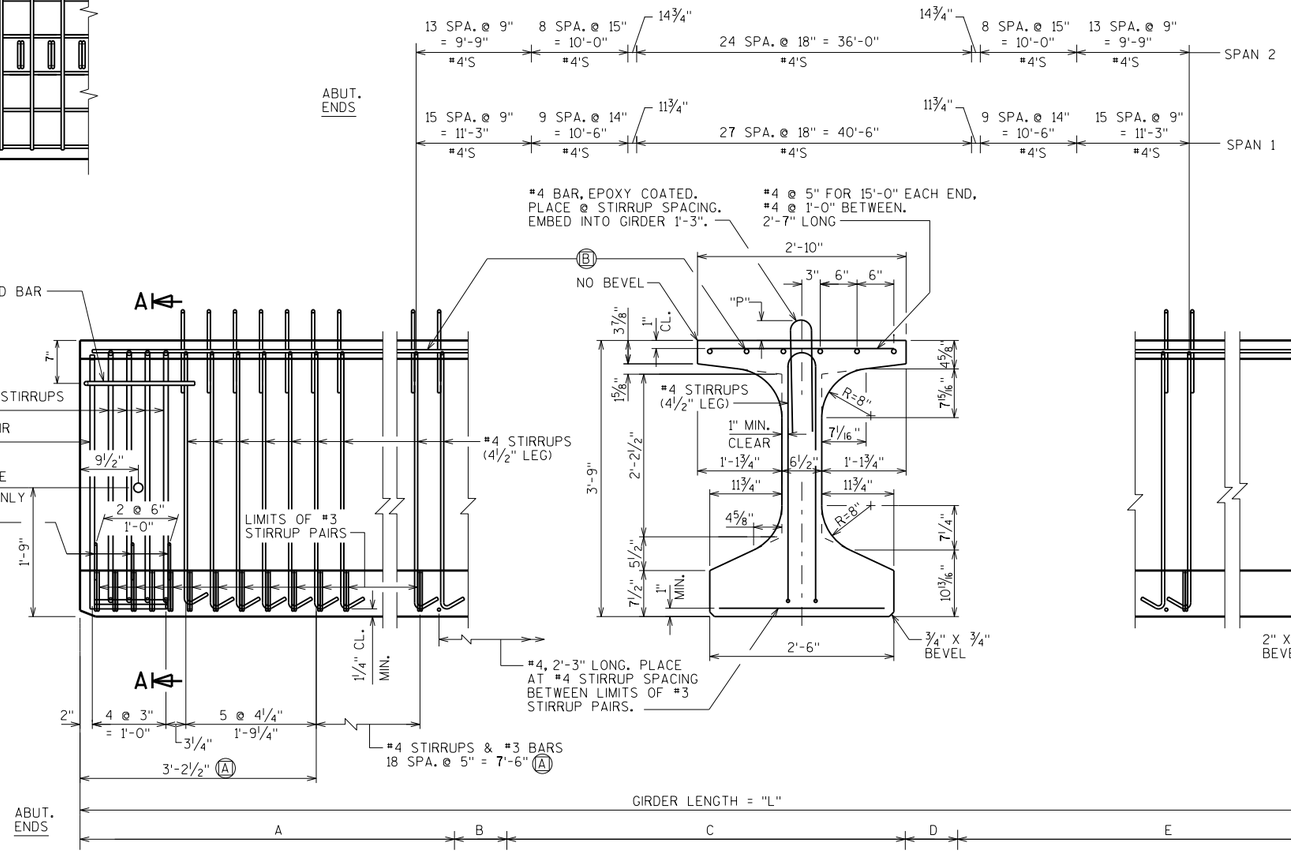
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STATE PROJECT NUMBER

1016-05-70



TOP FLANGE

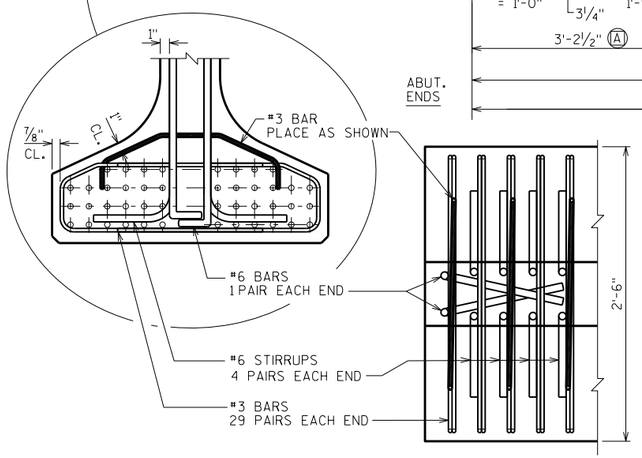


SECTION A-A

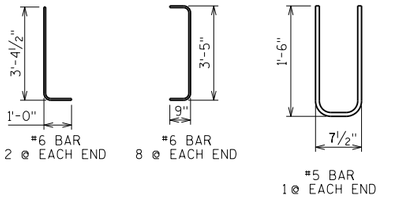
SIDE VIEW & TYPICAL SECTION IN SPAN

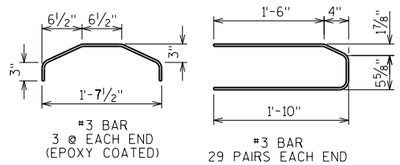
Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11" (SPANS 1 & 2)



BOTTOM FLANGE





TABLES OF DIMENSIONS FOR IN-SPAN STEEL DIAPHRAGM SPACING

SPAN 1					
	A	B	C	D	E
GIR. 1	32'-9⅞"	———	35'-9½"	———	38'-9⅛"
GIR. 2	32'-9⅞"	5'-11¼"	29'-10¼"	5'-11¼"	32'-9⅞"
GIR. 3	32'-9⅞"	5'-11¼"	29'-10¼"	5'-11¼"	32'-9⅞"
GIR. 4	32'-9⅞"	5'-11¼"	29'-10¼"	5'-11¼"	32'-9⅞"
GIR. 5	32'-9⅞"	5'-11¼"	29'-10¼"	5'-11¼"	32'-9⅞"
GIR. 6	32'-9⅞"	5'-11¼"	29'-10¼"	5'-11¼"	32'-9⅞"
GIR. 7	38'-9⅛"	———	35'-9½"	———	32'-9⅞"

SPAN 2					
	A	B	C	D	E
GIR. 1	36'-1⅛"	———	33'-1½"	———	30'-1⅞"
GIR. 2	30'-1⅞"	5'-11¼"	27'-2¼"	5'-11¼"	30'-1⅞"
GIR. 3	30'-1⅞"	5'-11¼"	27'-2¼"	5'-11¼"	30'-1⅞"
GIR. 4	30'-1⅞"	5'-11¼"	27'-2¼"	5'-11¼"	30'-1⅞"
GIR. 5	30'-1⅞"	5'-11¼"	27'-2¼"	5'-11¼"	30'-1⅞"
GIR. 6	30'-1⅞"	5'-11¼"	27'-2¼"	5'-11¼"	30'-1⅞"
GIR. 7	30'-1⅞"	———	33'-1½"	———	36'-1⅛"

✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	1 & 7	107.38	0.81	1.54	2.10	2.46	2.58	2.45	2.08	1.51	0.79	8,000	7.5	7.0	7.5	0.6	38	6,400	40.0	13.75	16.75	5.0		
1	2-6	107.38	0.88	1.66	2.27	2.66	2.79	2.65	2.25	1.64	0.86	8,000	7.5	7.0	7.5	0.6	38	6,400	40.0	13.75	16.75	5.0		
2	1 & 7	99.38	0.57	1.09	1.50	1.77	1.86	1.78	1.52	1.11	0.59	8,000	7.5	7.0	7.5	0.6	32	6,400	40.0	13.75	16.75	5.0		
2	2-6	99.38	0.62	1.19	1.63	1.92	2.02	1.93	1.65	1.21	0.64	8,000	7.5	7.0	7.5	0.6	32	6,400	40.0	13.75	16.75	5.0		

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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45W" PRESTRESSED GIRDER DETAILS 1

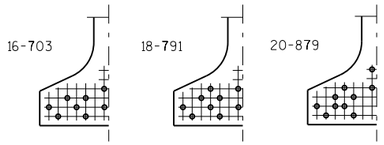
SHEET 11

963

SCALE =

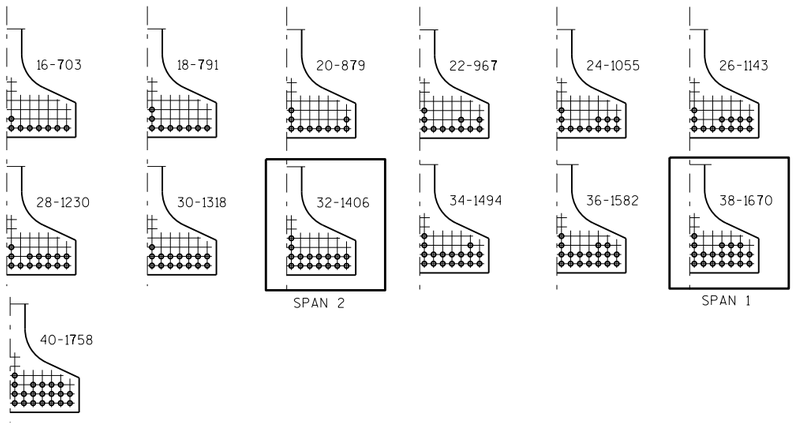
STATE PROJECT NUMBER

1016-05-70



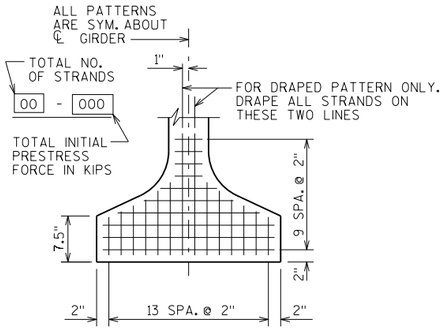
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

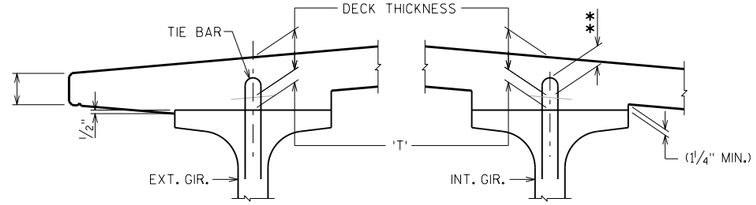


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

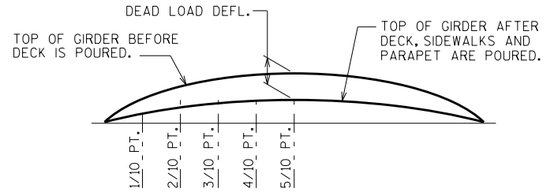
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

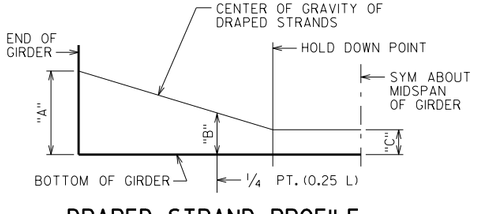
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.34
2	3.22

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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45W" PRESTRESSED GIRDER DETAILS 2

SHEET 12

964

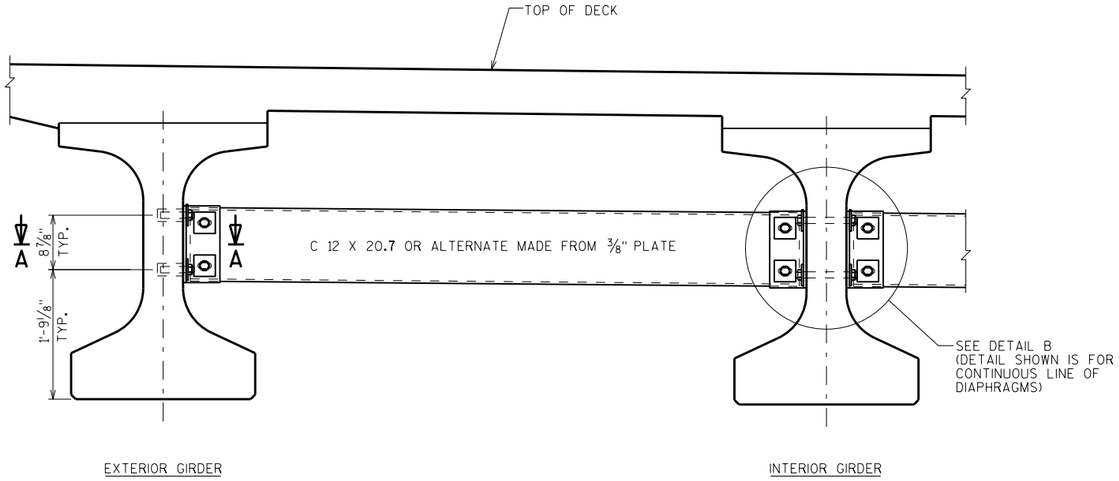
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8

SCALE =

STATE PROJECT NUMBER

1016-05-70



PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

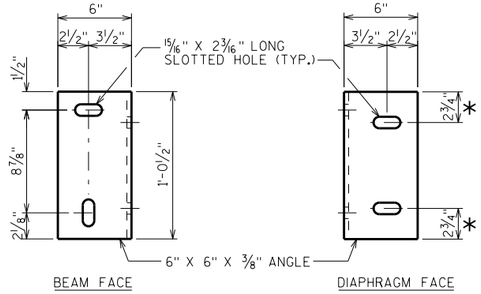
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-29-155", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

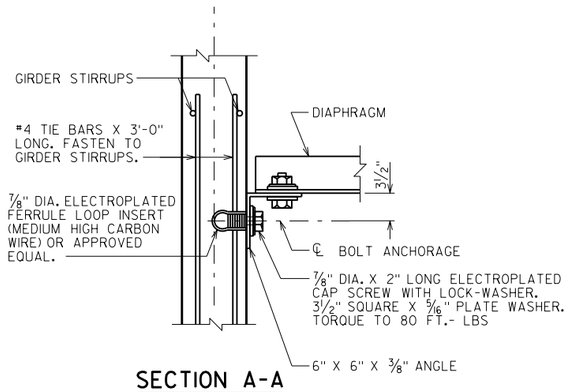
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



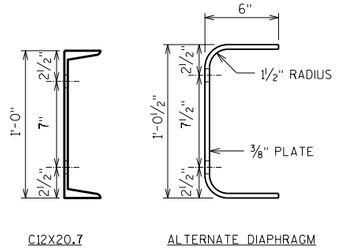
DIAPHRAGM SUPPORT

* 2½" FOR ALTERNATE PLATE DIAPHRAGM

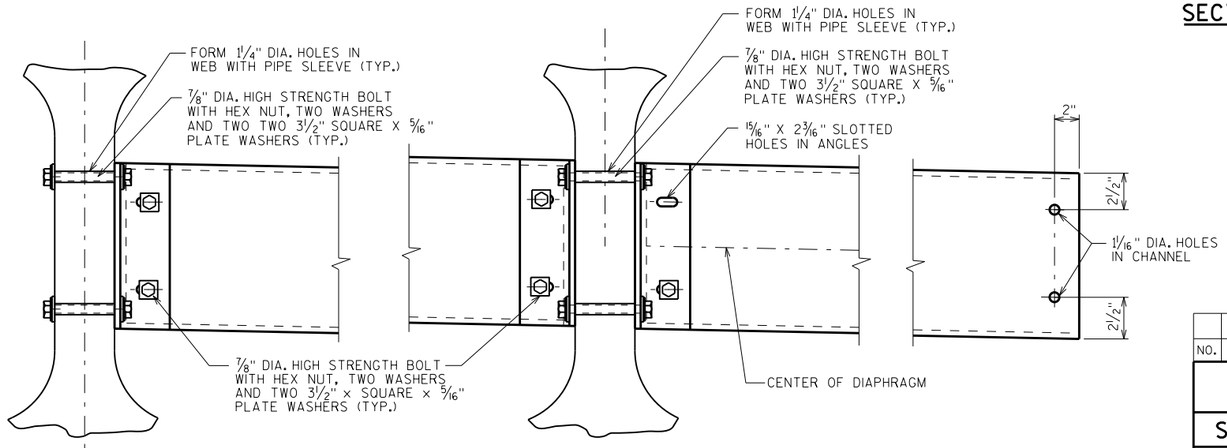


SECTION A-A

(FOR EXTERIOR ATTACHMENT)



SECTION THRU DIAPHRAGM



(FOR STAGGERED DIAPHRAGM)

DETAIL B

(FOR CONTINUOUS LINE OF DIAPHRAGMS)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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STEEL DIAPHRAGM

SHEET 13

965

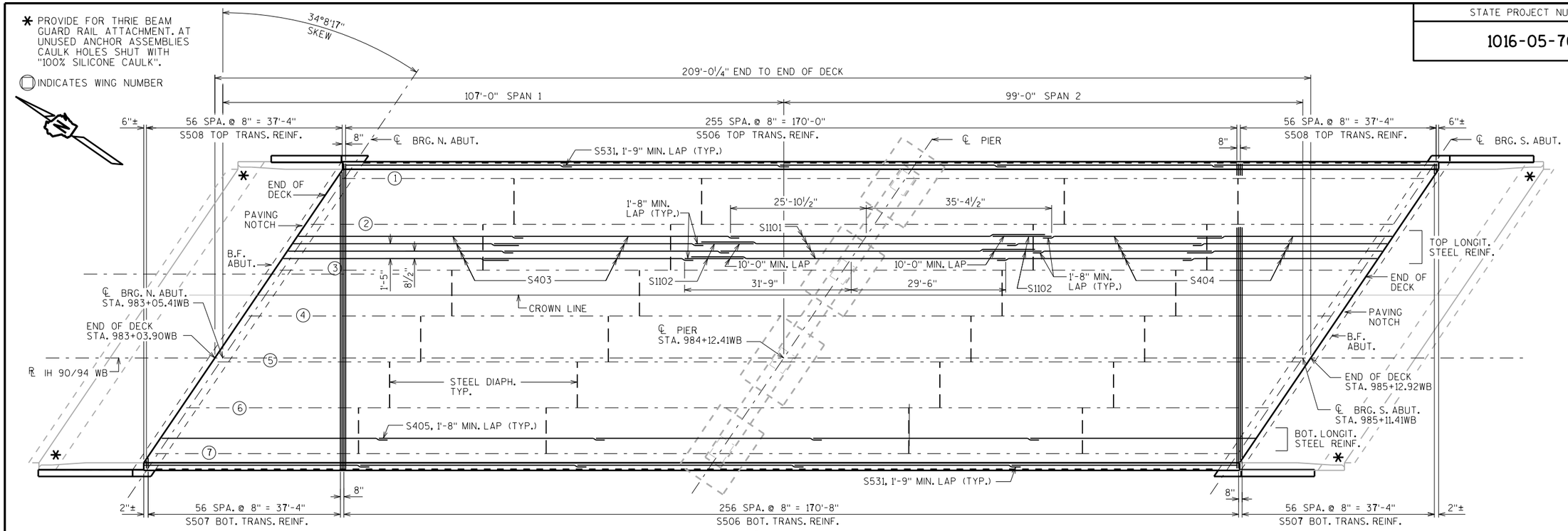
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STATE PROJECT NUMBER

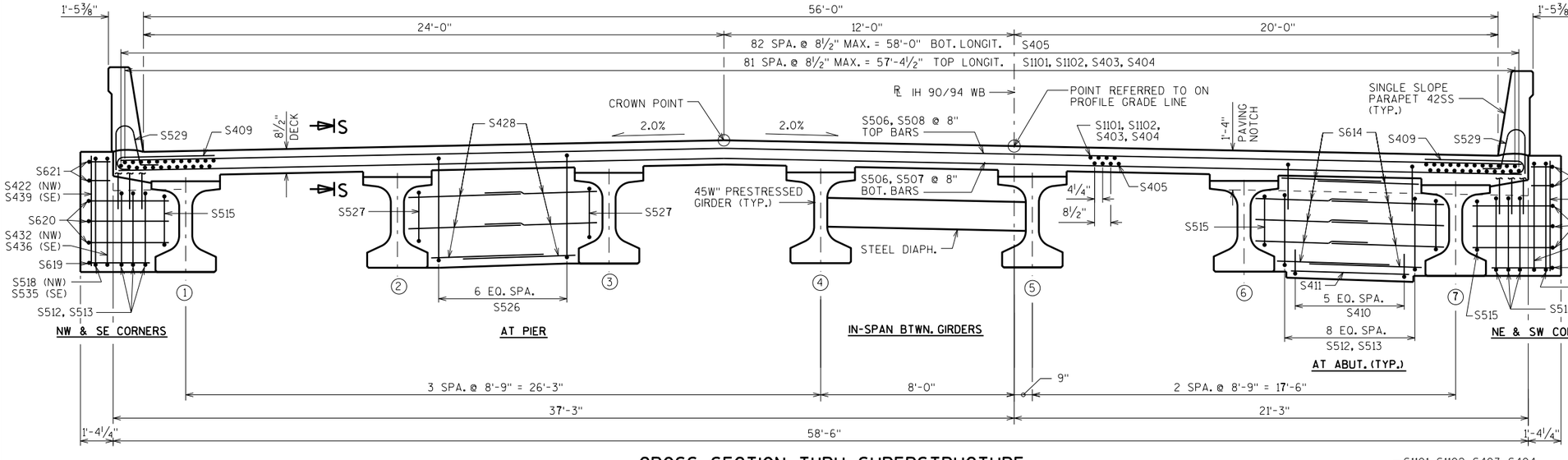
1016-05-70

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER

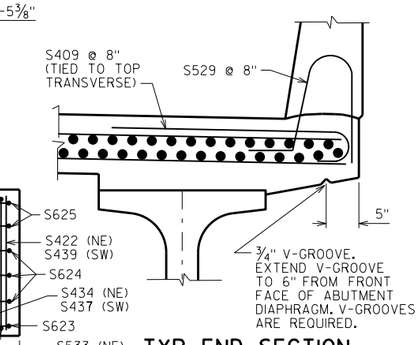


PLAN

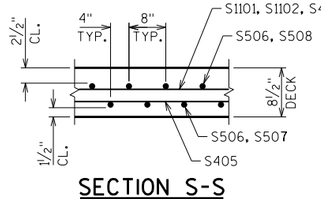


CROSS SECTION THRU SUPERSTRUCTURE

LOOKING UPSTATION



TYP. END SECTION



SECTION S-S

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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SUPERSTRUCTURE

SHEET 14

966

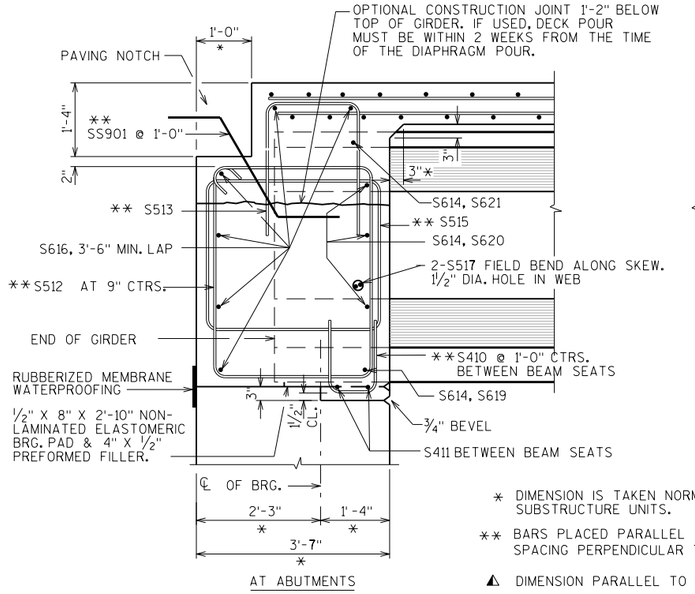
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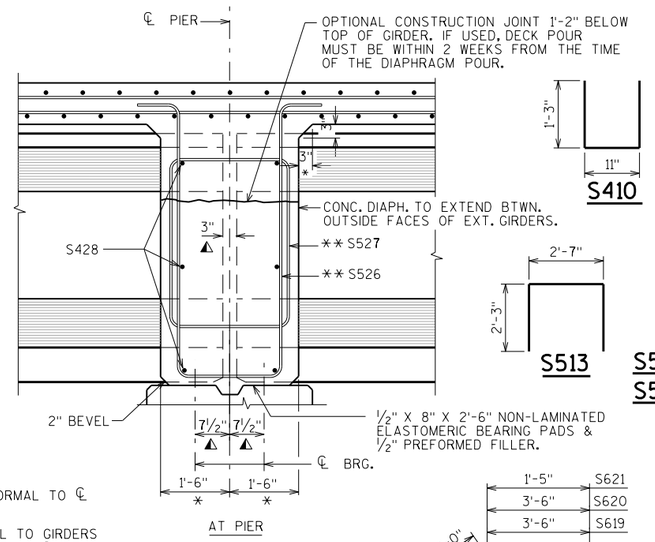
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STATE PROJECT NUMBER

1016-05-70



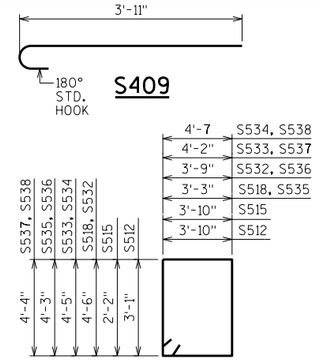


* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

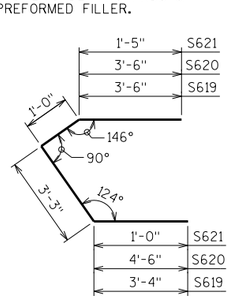
** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

⚠ DIMENSION PARALLEL TO GIRDERS.

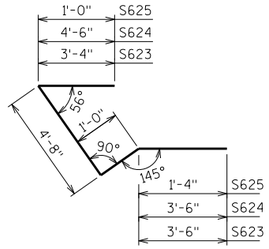
PART LONGIT. SECTION



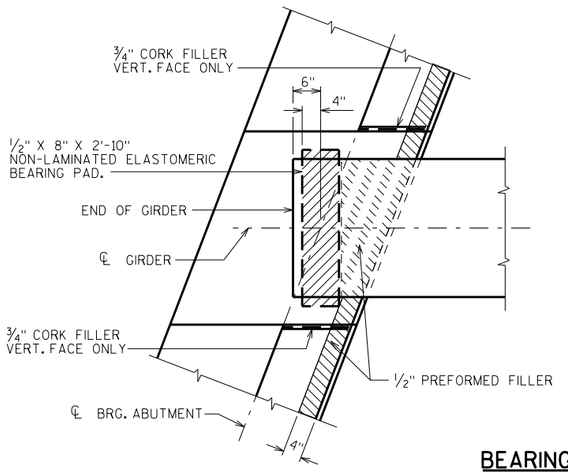
S512, S515, S518, S532, S533 S534, S535, S536, S537, S538

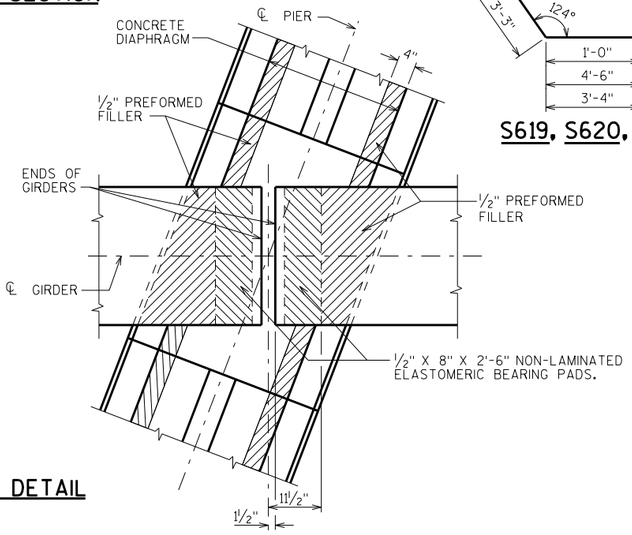


S619, S620, S621

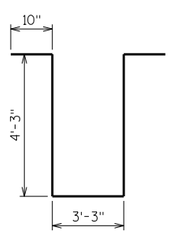


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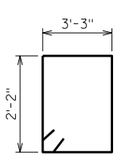




BEARING PAD DETAIL



S526



S527

BILL OF BARS

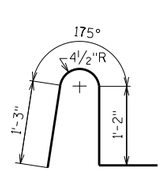
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S1101	X	82	60'-0"			DECK LONGIT.-CONTINUITY OVER PIER
S1102	X	82	11'-3"			DECK LONGIT.-CONTINUITY OVER PIER
S403	X	164	42'-11"			DECK-LONGIT.-TOP
S404	X	164	37'-1"			DECK-LONGIT.-TOP
S405	X	415	43'-5"			DECK-LONGIT.-BOT.
S506	X	513	58'-2"			DECK-TRANS.-TOP & BOT.
S507	X	114	28'-7"		⚠	DECK TRANS.-BOT.
S508	X	114	29'-1"		⚠	DECK-TRANS.-TOP
S409	X	626	4'-5"	X		DECK-TRANS. EDGE OF DECK
S410	X	72	3'-7"	X		ABUT. DIAPH.-VERT.-BOT.
S411	X	24	6'-0"			ABUT. DIAPH.-HORIZ. BOT.
S512	X	120	14'-6"	X		ABUT. DIAPH.-VERT. STIRRUP
S513	X	120	6'-10"	X		ABUT. DIAPH. VERT. U-BAR
S614	X	120	6'-2"			ABUT. DAIPH.-HORIZ.-F.F.
S515	X	28	12'-8"	X		ABUT. DIAPH.-VERT. STIRRUP
S616	X	24	38'-7"			ABUT. DIAPH.-HORIZ.-BF. & TOP
S517	X	28	6'-0"			ABUT. DIAPH.-HORIZ. THRU GIR.
S518	X	1	16'-2"	X		ABUT. DIAPH.-VERT.-END NW
S619	X	2	10'-9"	X		ABUT. DIAPH.-HORIZ.-END NW & SE
S620	X	6	11'-11"	X		ABUT. DIAPH.-HORIZ.-END NW & SE
S621	X	4	6'-4"	X		ABUT. DIAPH.-HORIZ.-END NW & SE
S422	X	4	4'-5"			ABUT. DIAPH.-VERT.-ENDS N. ABUT.
S623	X	2	12'-2"	X		ABUT. DIAPH.-HORIZ.-END NE & SW
S624	X	6	13'-4"	X		ABUT. DIAPH.-HORIZ.-END NE & SW
S625	X	4	7'-8"	X		ABUT. DIAPH.-HORIZ.-END NE & SW
S526	X	42	12'-11"	X		PIER DIAPH.-VERT.
S527	X	12	11'-6"	X		PIER DIAPH. VERT. STIRRUP
S428	X	72	5'-9"			PIER DIAPH.-HORIZ.
S529	X	630	4'-5"	X		DECK/PARAPET-VERT.
S530	X	630	6'-8"	X		PARAPET-VERT.
S531	X	80	43'-6"			PARAPET-HORIZ.
S532	X	1	17'-2"	X		ABUT. DIAPH.-VERT.-ENDS NW
S533	X	1	17'-10"	X		ABUT. DIAPH.-VERT.-ENDS NE
S534	X	1	18'-8"	X		ABUT. DIAPH.-VERT.-ENDS NE
S535	X	1	15'-8"	X		ABUT. DIAPH.-VERT.-ENDS SE
S536	X	1	16'-8"	X		ABUT. DIAPH.-VERT.-ENDS SE
S537	X	1	17'-8"	X		ABUT. DIAPH.-VERT.-ENDS SW
S538	X	1	18'-6"	X		ABUT. DIAPH.-VERT.-ENDS SW
S439	X	4	4'-3"			ABUT. DIAPH.-VERT.-ENDS S. ABUT.

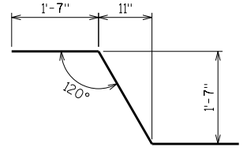
⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

STAINLESS STEEL →

SS901	X	120	5'-0"			ABUT. DIAPH.-PAVING NOTCH



S529

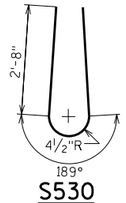


SS901

BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
S507	2 SERIES OF 57	1'-0" TO 56'-1"
S508	2 SERIES OF 57	1'-6" TO 56'-7"

BUNDLE AND TAG EACH SERIES SEPARATELY.



S530

TOP OF DECK ELEVATIONS

	SPAN 1											SPAN 2									
	C/L N. ABUT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	C/L PIER 1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	C/L S. ABUT.
E. EOD	892.37	892.23	892.08	891.93	891.78	891.63	891.48	891.32	891.16	891.00	890.83	890.68	890.53	890.37	890.21	890.05	889.88	889.72	889.55	889.38	889.21
GIRDER 1	892.43	892.29	892.14	892.00	891.85	891.69	891.54	891.38	891.23	891.06	890.90	890.75	890.59	890.44	890.28	890.12	889.95	889.79	889.62	889.45	889.28
GIRDER 2	892.68	892.54	892.40	892.25	892.10	891.95	891.80	891.65	891.49	891.33	891.17	891.01	890.86	890.71	890.55	890.39	890.23	890.06	889.90	889.73	889.56
GIRDER 3	892.94	892.80	892.65	892.51	892.36	892.21	892.06	891.91	891.75	891.59	891.43	891.28	891.13	890.97	890.82	890.66	890.50	890.34	890.17	890.00	889.84
CROWN PT.	893.07	892.93	892.79	892.65	892.50	892.35	892.20	892.05	891.89	891.74	891.58	891.43	891.27	891.12	890.96	890.81	890.65	890.48	890.32	890.15	889.99
GIRDER 4	893.03	892.89	892.75	892.60	892.46	892.31	892.16	892.01	891.85	891.70	891.54	891.39	891.24	891.08	890.93	890.77	890.61	890.45	890.29	890.12	889.95
GIRDER 5	892.93	892.79	892.65	892.51	892.36	892.22	892.07	891.92	891.76	891.61	891.45	891.30	891.15	891.00	890.84	890.69	890.53	890.37	890.21	890.04	889.88
GIRDER 6	892.83	892.69	892.55	892.41	892.27	892.12	891.98	891.83	891.67	891.52	891.36	891.22	891.07	890.92	890.76	890.61	890.45	890.29	890.13	889.97	889.80
GIRDER 7	892.73	892.59	892.46	892.32	892.18	892.03	891.88	891.74	891.58	891.43	891.28	891.13	890.98	890.83	890.68	890.53	890.37	890.21	890.05	889.89	889.73
W. EOD	892.72	892.59	892.45	892.31	892.17	892.02	891.88	891.73	891.58	891.43	891.27	891.12	890.98	890.83	890.68	890.52	890.37	890.21	890.05	889.89	889.73

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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SUPERSTRUCTURE DETAILS

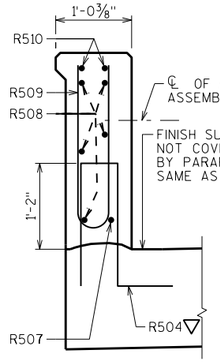
SHEET 15

967

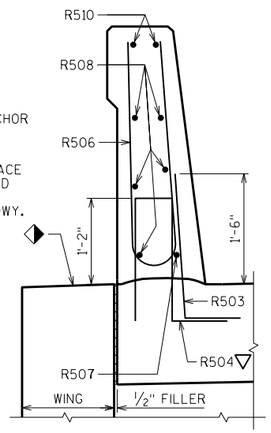
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STATE PROJECT NUMBER

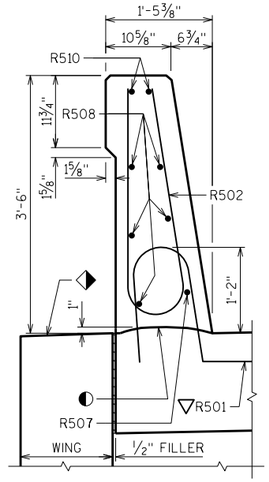
1016-05-70



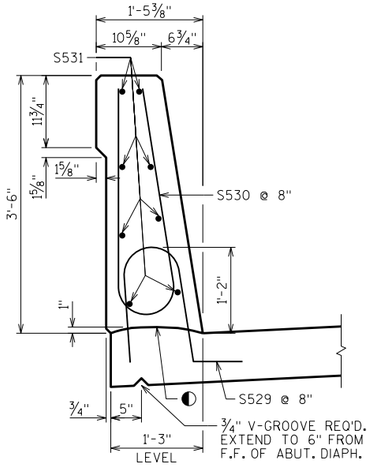
SECTION A-A



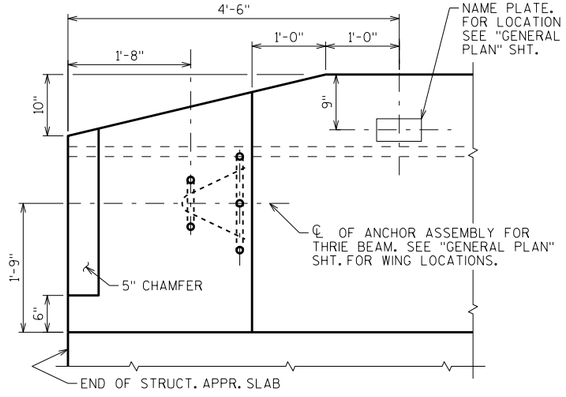
SECTION B-B



SECTION C-C



SECTION THRU PARAPET ON DECK



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

BILL OF BARS

FOR ABUTMENT PARAPETS

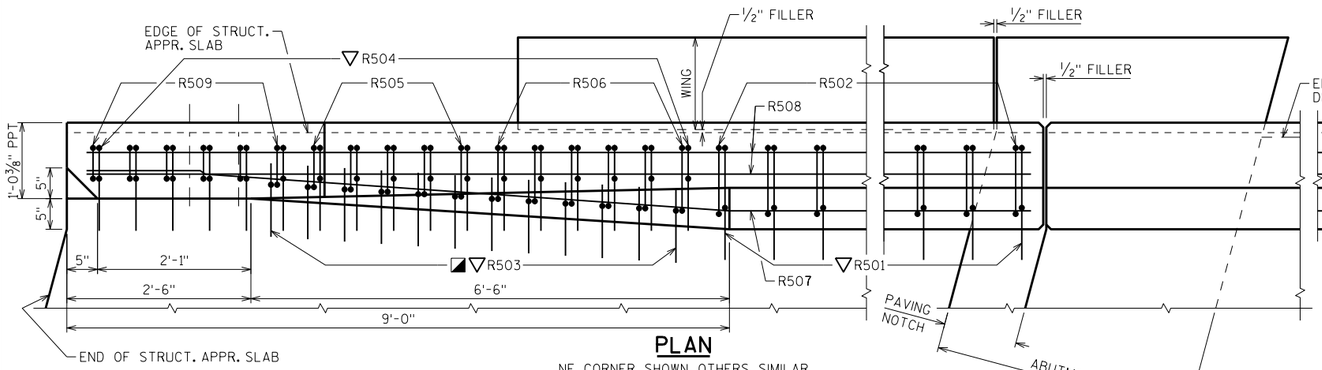
BAR MARK	COAT	N. ABUT.	S. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	36	36	4'-5"	X		PARAPET VERT.
R502	X	36	36	6'-8"	X		PARAPET VERT.
R503	X	24	24	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	10	10	6'-5"	X		PARAPET VERT.
R506	X	12	12	6'-6"	X		PARAPET VERT.
R507	X	2	2	19'-8"	X		PARAPET HORIZ.
R508	X	10	10	19'-8"			PARAPET HORIZ.
R509	X	12	12	5'-5"	X	⚠	PARAPET VERT.
R510	X	4	4	19'-8"	X		PARAPET HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

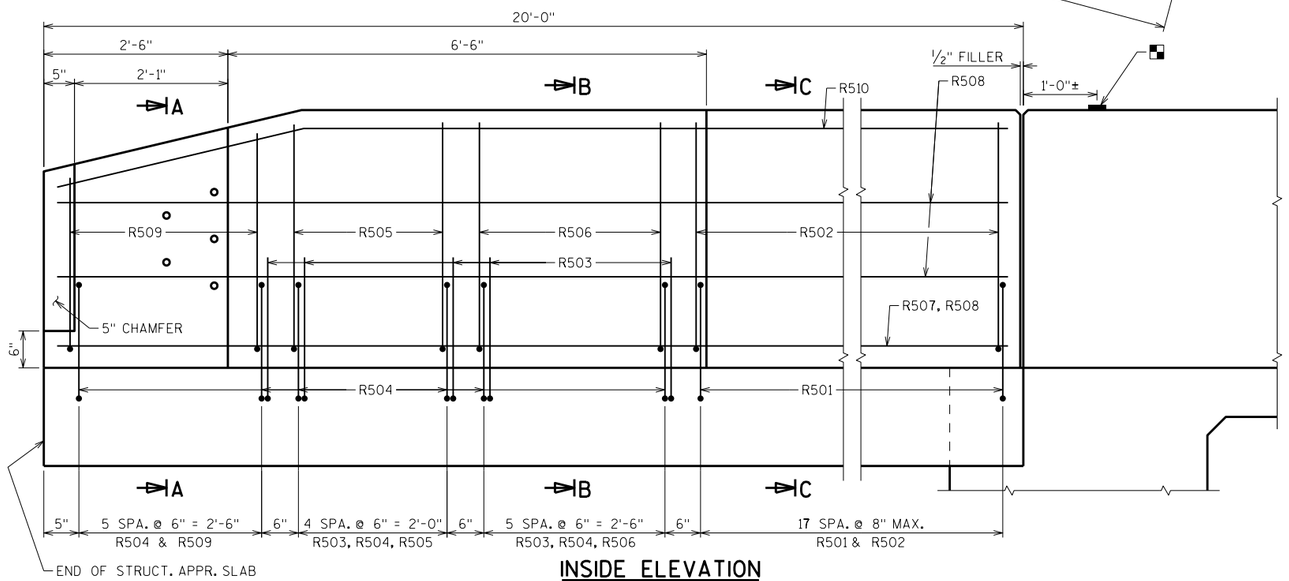
BAR MARK	NO. REQ'D	LENGTH
R509	4 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.



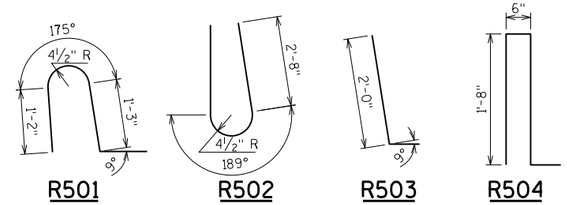
PLAN

NE CORNER SHOWN, OTHERS SIMILAR

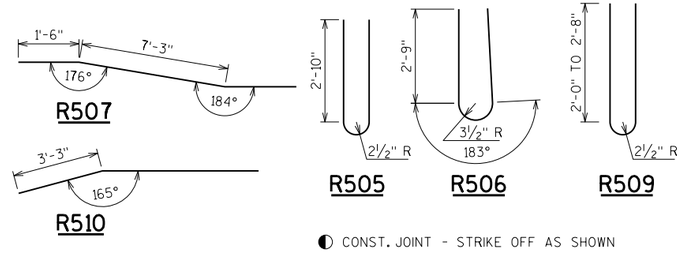


INSIDE ELEVATION

NE CORNER SHOWN, OTHERS SIMILAR
WING & STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY

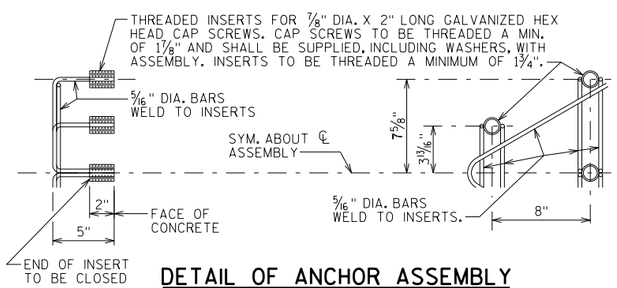


R501 R502 R503 R504



R505 R506 R509

BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◐ CONST. JOINT - STRIKE OFF AS SHOWN

◆ SLOPE FOR DRAINAGE

◪ USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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SINGLE SLOPE PARAPET 42SS

SHEET 16

968

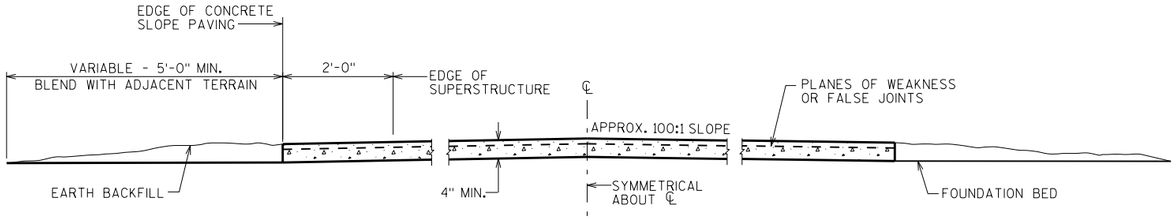
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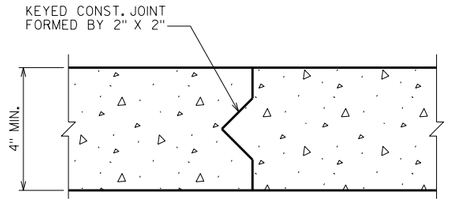
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STATE PROJECT NUMBER

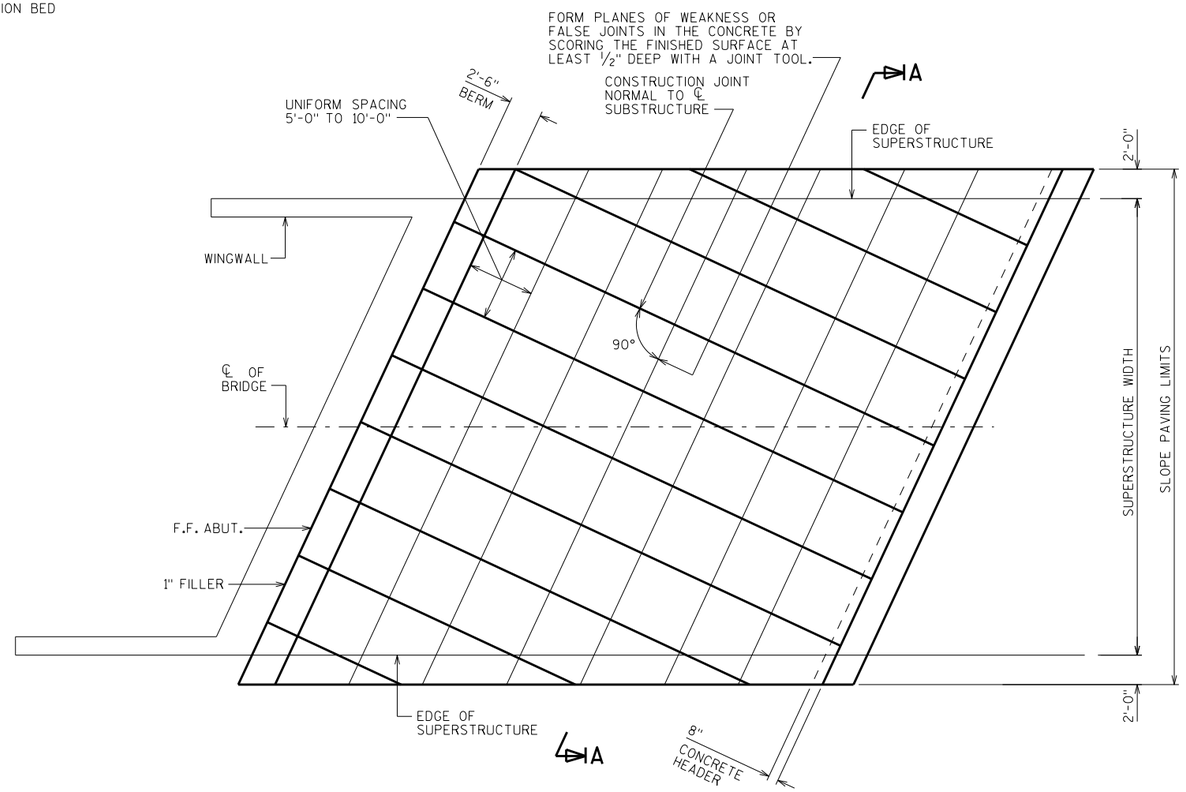
1016-05-70



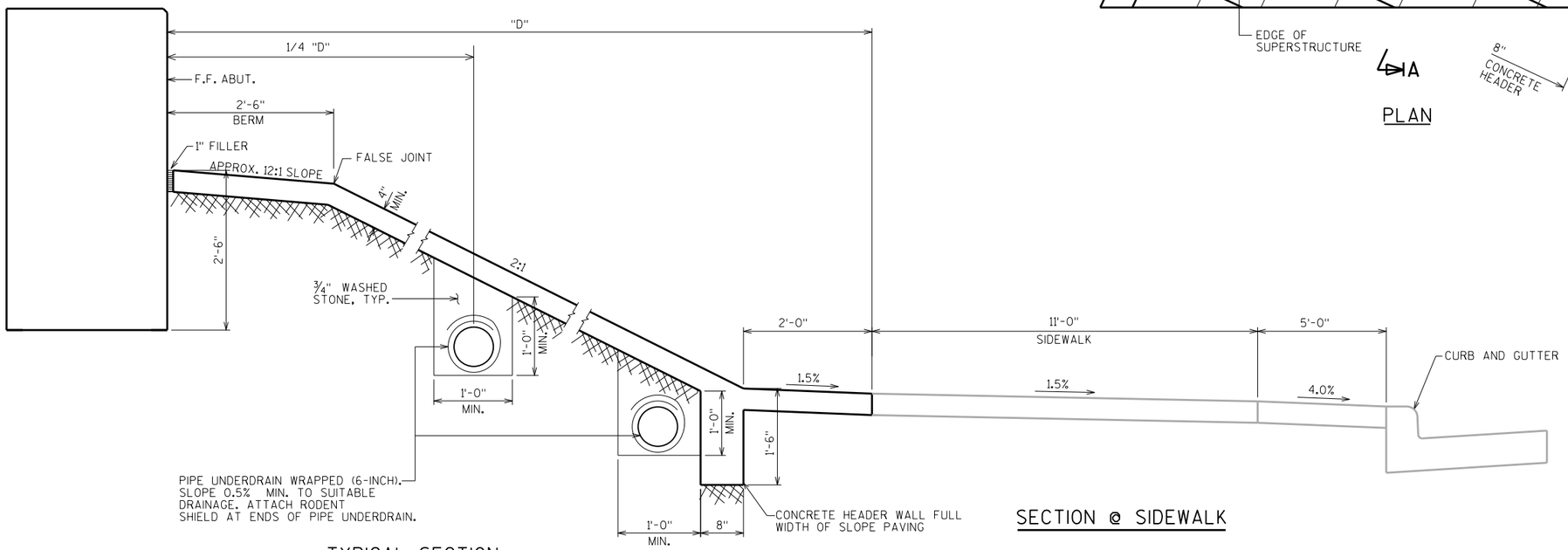
SECTION A-A



CONSTRUCTION JOINT



PLAN



TYPICAL SECTION

SECTION @ SIDEWALK

NOTE

BID ITEMS SHALL BE "SLOPE PAVING CONCRETE" AND "PIPE UNDERDRAIN WRAPPED 6-INCH"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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SLOPE PAVING (CONCRETE CAST-IN-PLACE)

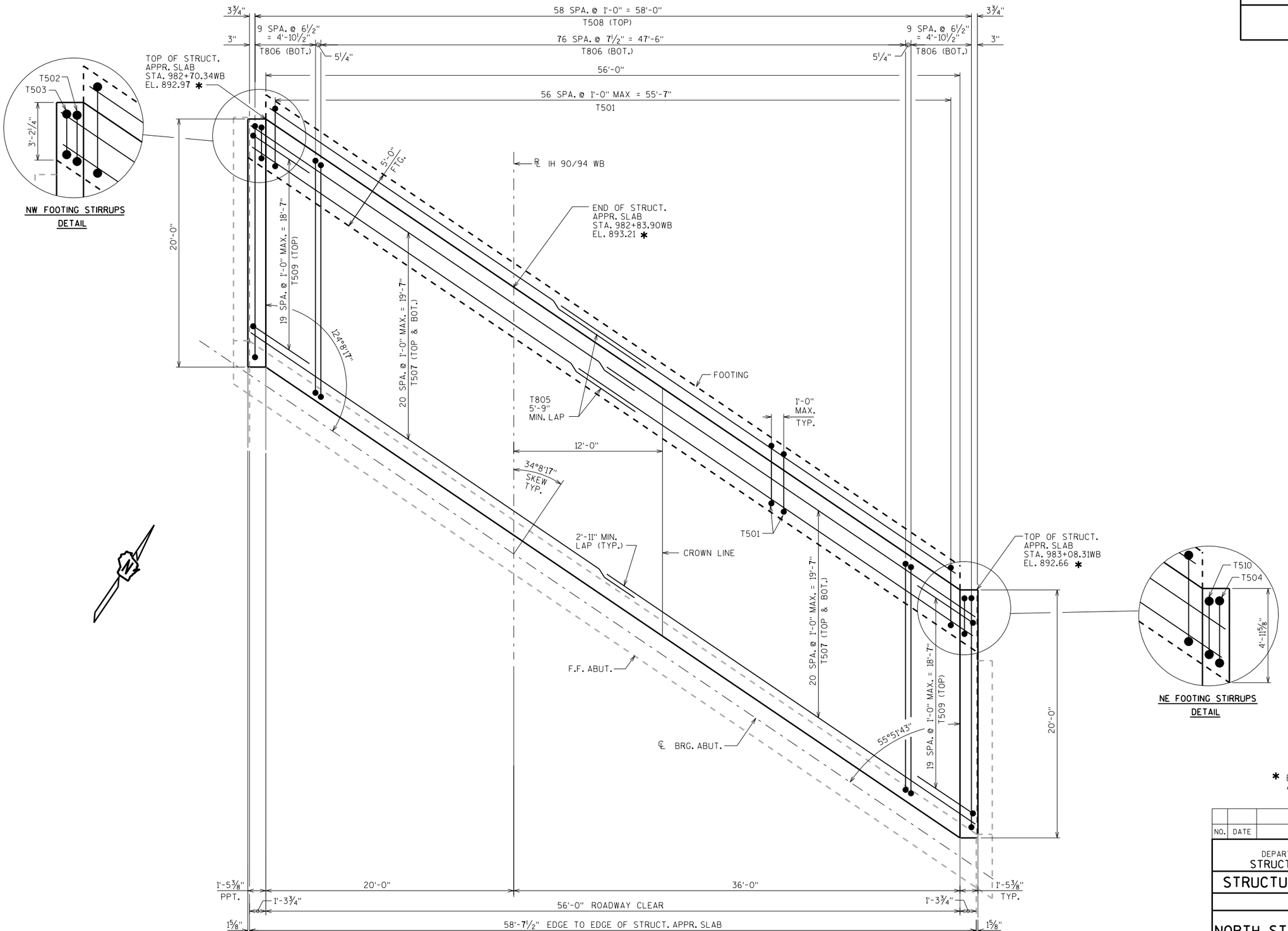
SHEET 17

969

SCALE =

STATE PROJECT NUMBER

1016-05-70



* ELEVATION GIVEN TO THIS POINT AT TOP OF STRUCT. APPR. SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

DRAWN BY WWR | PLANS CK'D. JLR

NORTH STRUCTURAL APPROACH SLAB

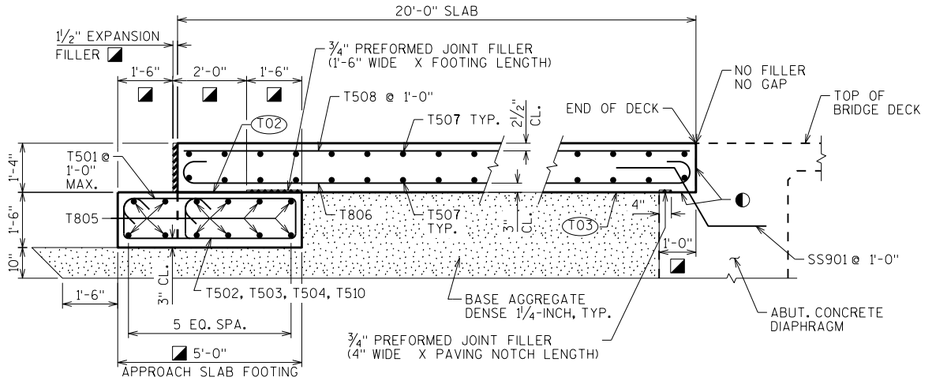
SHEET 18

970

SCALE = 3.75

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8



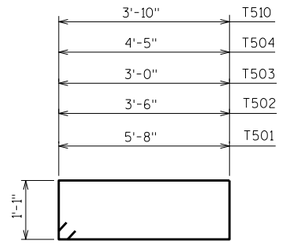
SECTION THRU APPROACH SLAB

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

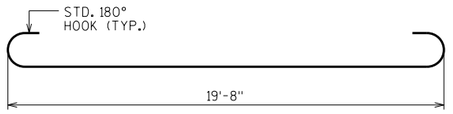
◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.



T501, T502, T503, T504, T510



T806

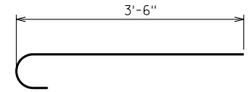
STATE PROJECT NUMBER

1016-05-70

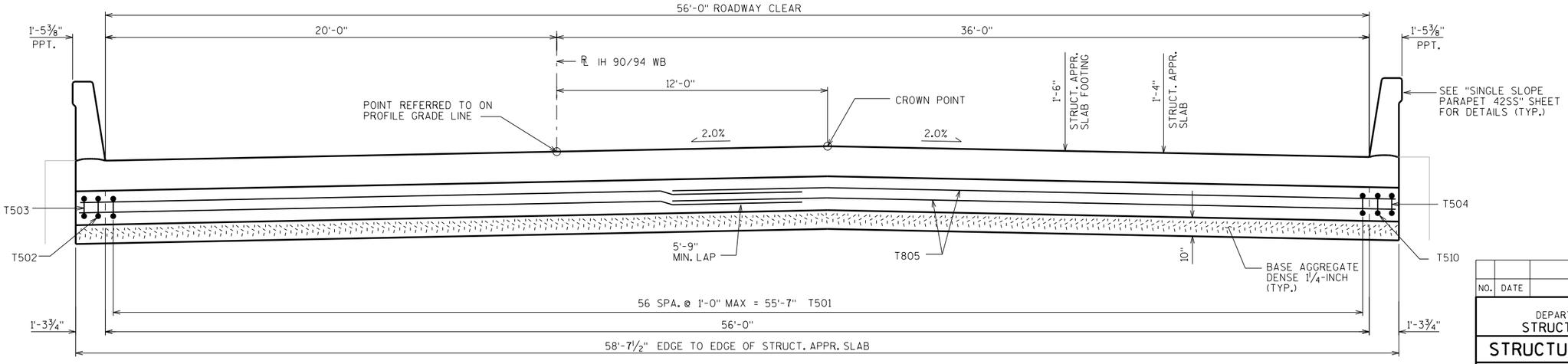
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	57	14'-2"	X		FOOTING-VERT. STIRRUP
T502	X	1	9'-10"	X		FOOTING-VERT. STIRRUP
T503	X	1	8'-10"	X		FOOTING-VERT. STIRRUP
T504	X	1	11'-8"	X		FOOTING-VERT. STIRRUP
T805	X	24	38'-6"			FOOTING-HORIZ.-LONGIT.
T806	X	94	21'-6"	X		SLAB-HORIZ.-LONGIT.-BOT.
T507	X	84	36'-9"			SLAB-HORIZ.-TRANS.-TOP & BOT.
T508	X	59	19'-8"			SLAB-HORIZ.-LONGIT.-TOP
T509	X	40	4'-1"	X		SLAB-HORIZ.-TRANS.-TOP EDGES
T510	X	1	10'-6"	X		FOOTING-VERT. STIRRUP



T509



SECTION THRU STRUCTURAL APPROACH SLAB

LOOKING NORTH
(SHOWING FOOTING STEEL ONLY)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

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NORTH STRUCTURAL APPROACH SLAB DETAILS

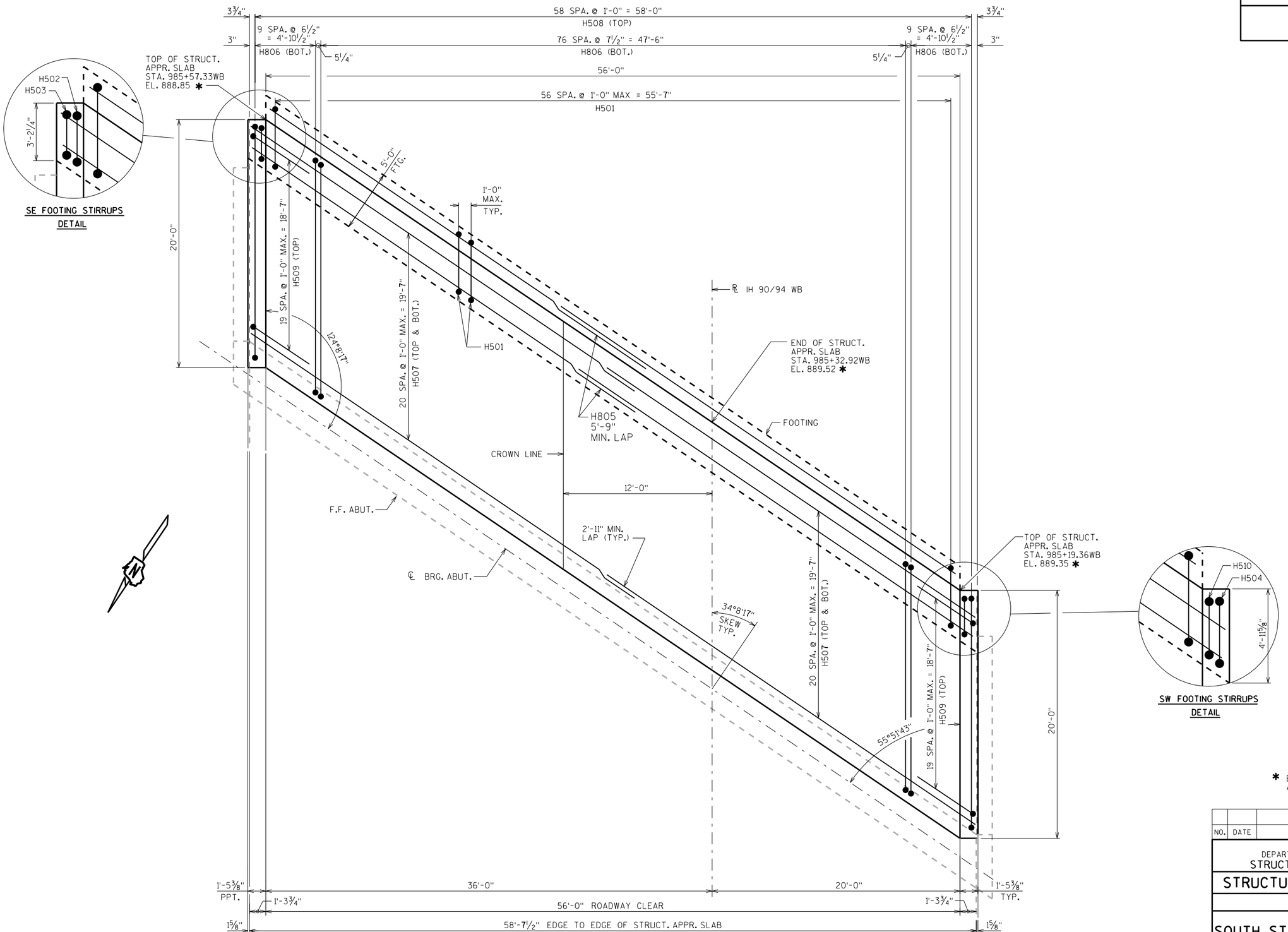
SHEET 19

971

SCALE = 2.50

STATE PROJECT NUMBER

1016-05-70



PLAN

* ELEVATION GIVEN TO THIS POINT AT TOP OF STRUCT. APPR. SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

DRAWN BY WWR | PLANS CK'D. JLR

SOUTH STRUCTURAL APPROACH SLAB

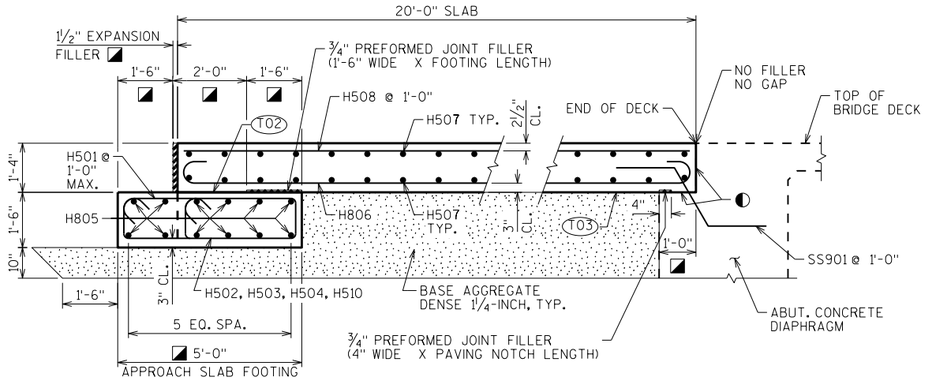
SHEET 20

972

SCALE = 3.75

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8



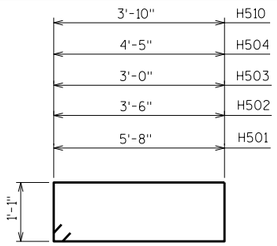
SECTION THRU APPROACH SLAB

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

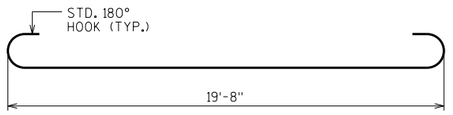
◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

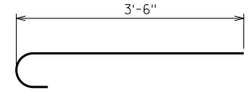
(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.



H501, H502, H503, H504, H510



H806



H509

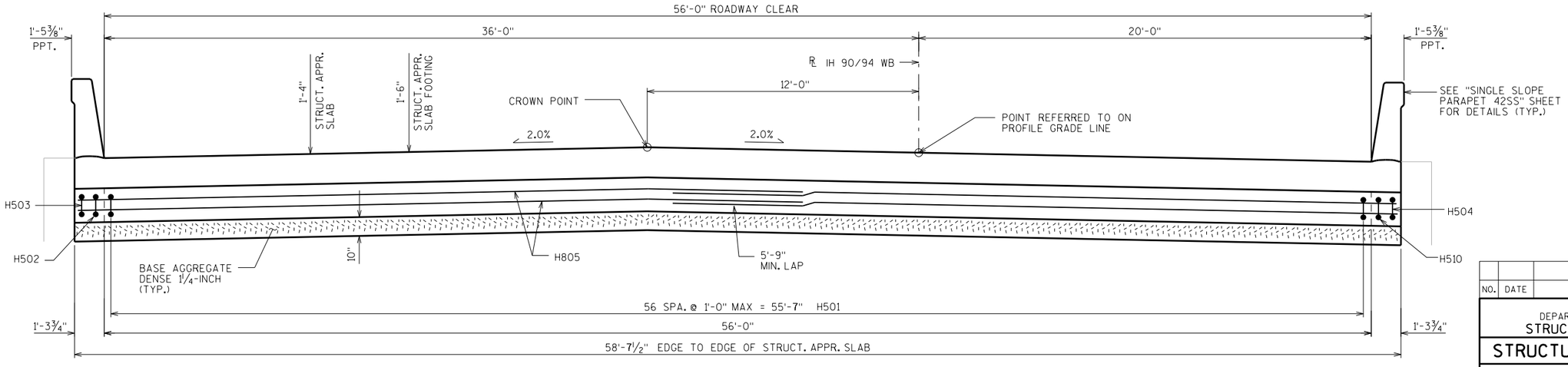
STATE PROJECT NUMBER

1016-05-70

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
H501	X	57	14'-2"	X		FOOTING-VERT. STIRRUP
H502	X	1	9'-10"	X		FOOTING-VERT. STIRRUP
H503	X	1	8'-10"	X		FOOTING-VERT. STIRRUP
H504	X	1	11'-8"	X		FOOTING-VERT. STIRRUP
H805	X	24	38'-6"			FOOTING-HORIZ.-LONGIT.
H806	X	94	21'-6"	X		SLAB-HORIZ.-LONGIT.-BOT.
H507	X	84	36'-9"			SLAB-HORIZ.-TRANS.-TOP & BOT.
H508	X	59	19'-8"			SLAB-HORIZ.-LONGIT.-TOP
H509	X	40	4'-1"	X		SLAB-HORIZ.-TRANS.-TOP EDGES
H510	X	1	10'-6"	X		FOOTING-VERT. STIRRUP



SECTION THRU STRUCTURAL APPROACH SLAB

LOOKING SOUTH
(SHOWING FOOTING STEEL ONLY)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

DRAWN BY WWR | PLANS CK'D. JLR

SOUTH STRUCTURAL APPROACH SLAB DETAILS

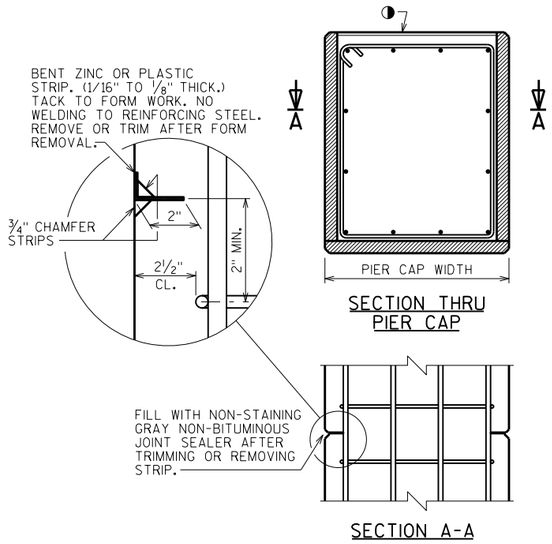
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973

SCALE = 2.50

STATE PROJECT NUMBER

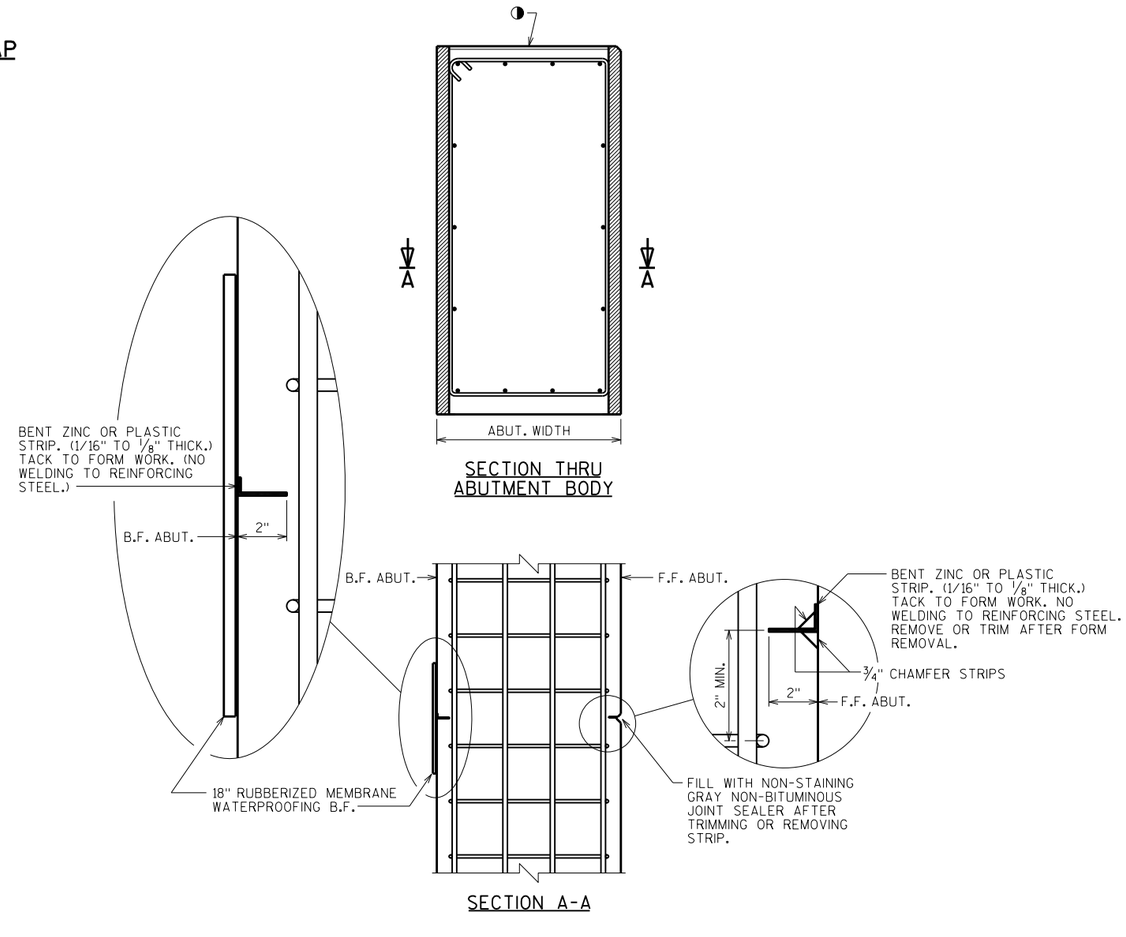
1016-05-70



SECTION THRU PIER CAP

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT PIER CAP



SECTION THRU ABUTMENT BODY

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-155

DRAWN BY WWR | PLANS CK'D. JLR

ALTERNATE CONSTRUCTION JOINT

SHEET 22

974

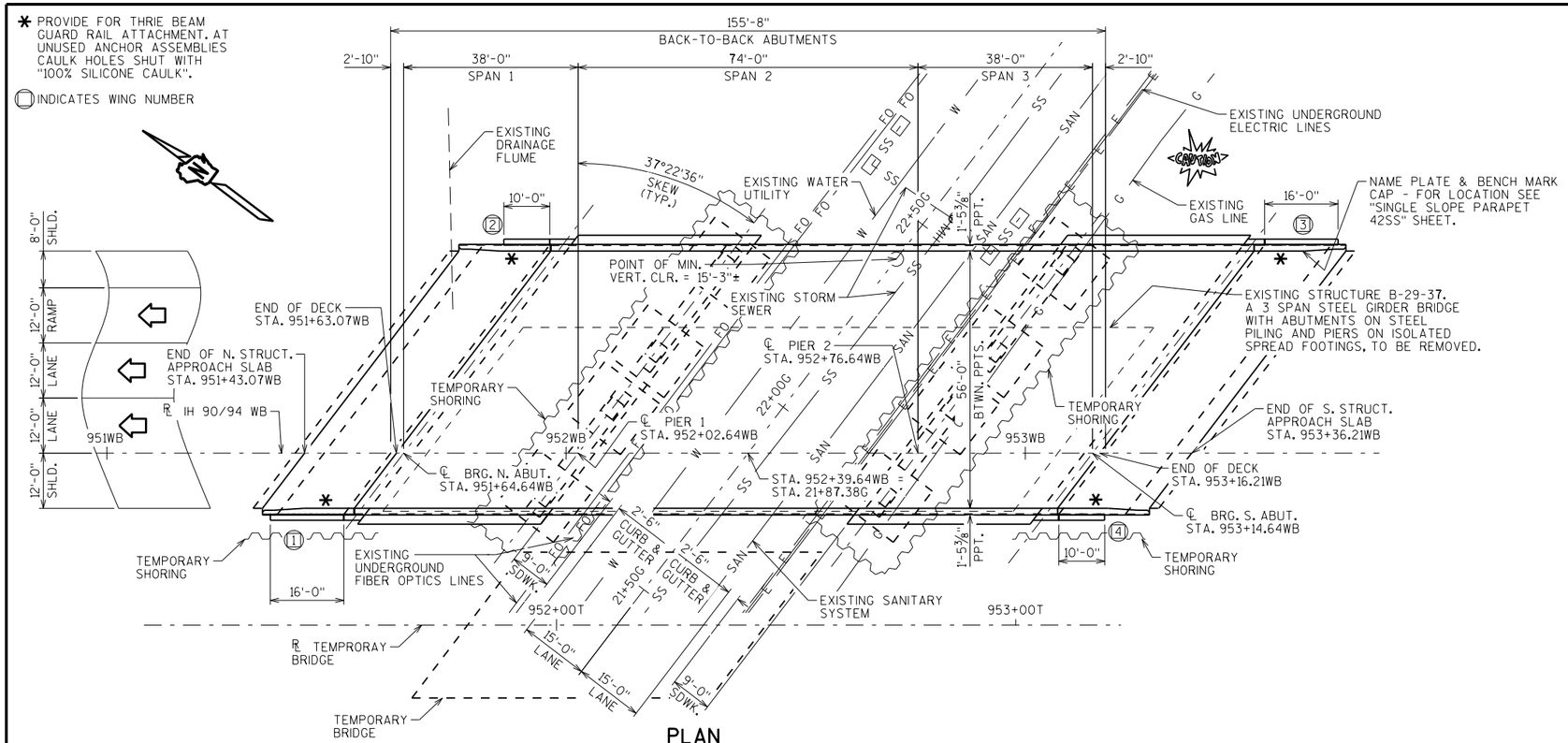
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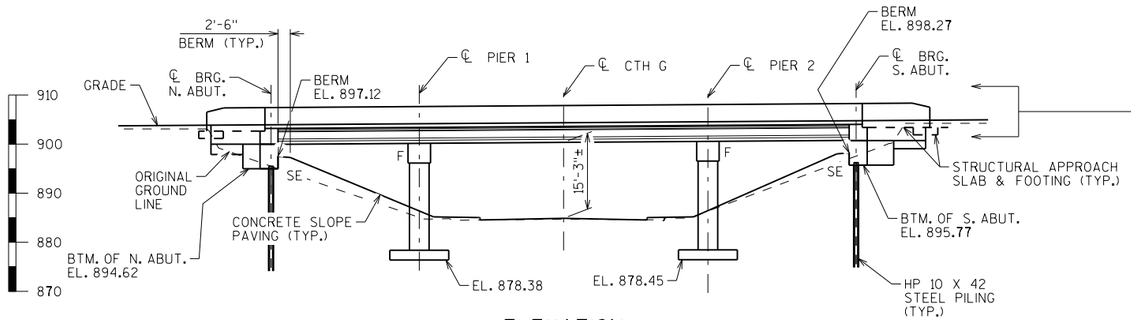
STATE PROJECT NUMBER

1016-05-70



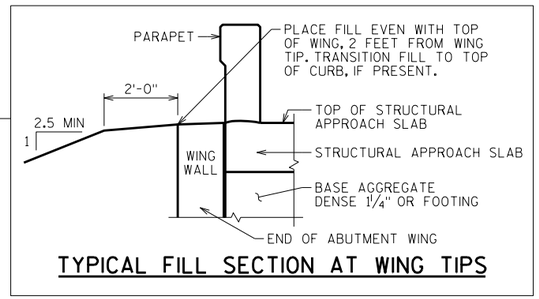
PLAN

3-SPAN, 36W" PRESTRESSED GIRDERS

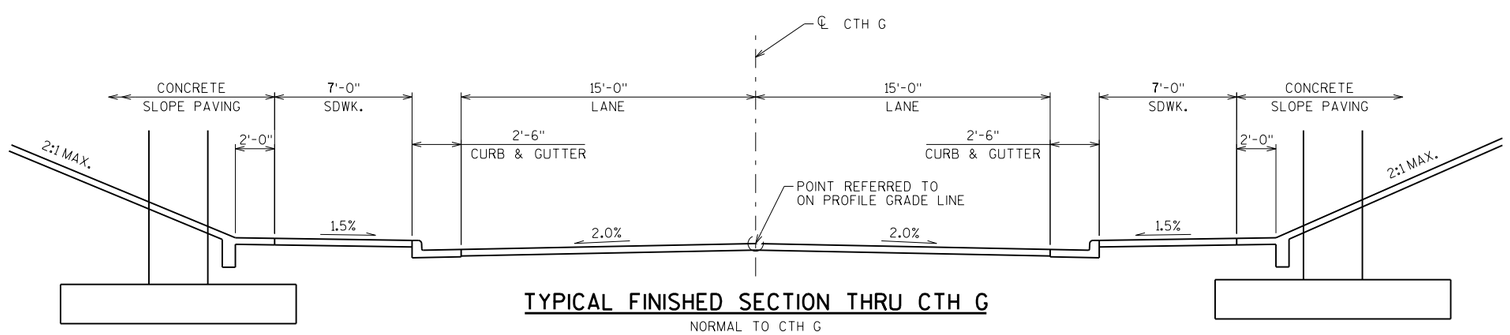


ELEVATION

NORMAL TO CTH G



TYPICAL FILL SECTION AT WING TIPS



TYPICAL FINISHED SECTION THRU CTH G

NORMAL TO CTH G

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.05
OPERATING RATING FACTOR: RF = 1.36
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

36W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON 10X42 HP PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 140 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 25'-0" LONG.

PIERS WITH SPREAD FOOTINGS TO BE SUPPORTED ON SELECT CRUSHED MATERIAL OVER WEATHERED SANDSTONE BEDROCK WITH A REQ'D FACTORED BEARING RESISTANCE OF 8,000 PSF.

*** A GEOTECHNICAL ENGINEER WILL DETERMINE THE FACTORED BEARING RESISTANCE PRIOR TO CONSTRUCTION OF THE PIER FOOTINGS.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

*** THE FACTORED BEARING RESISTANCE IS THE VALUE USED FOR DESIGN.

TRAFFIC VOLUME

IH 90/94
ADT = 44,100 (2042)
R.D.S. = 70 M.P.H.

CTH G
ADT = 1,800 (2042)
R.D.S. = 25 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. NORTH ABUTMENT
5. NORTH ABUTMENT DETAILS
6. SOUTH ABUTMENT
7. SOUTH ABUTMENT DETAILS
8. PIER 1
9. PIER 1 DETAILS
10. PIER 2
11. PIER 2 DETAILS
12. 36W" PRESTRESSED GIRDER DETAILS 1
13. 36W" PRESTRESSED GIRDER DETAILS 2
14. STEEL DIAPHRAGM
15. STEEL DIAPHRAGM LOCATIONS
16. SUPERSTRUCTURE DETAILS 1
17. SUPERSTRUCTURE DETAILS 2
18. SUPERSTRUCTURE DETAILS 3
19. SLOPE PAVING (CONCRETE CAST-IN-PLACE)
20. STRUCTURAL APPROACH SLAB
21. STRUCTURAL APPROACH SLAB DETAILS
22. SINGLE SLOPE PARAPET 42SS
23. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:
JONATHON RESHESKE (608) 266-8491
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED LLS 12/16/21
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-29-157

IH 90/94 WB OVER CTH G

COUNTY	TOWN/CITY/VILLAGE
JUNEAU	LEMONWEIR

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JLR	ARC	MJH	JLR

GENERAL PLAN

SHEET 1 OF 23

975

I.D. 1016-05-00F DATE: DEC 2021

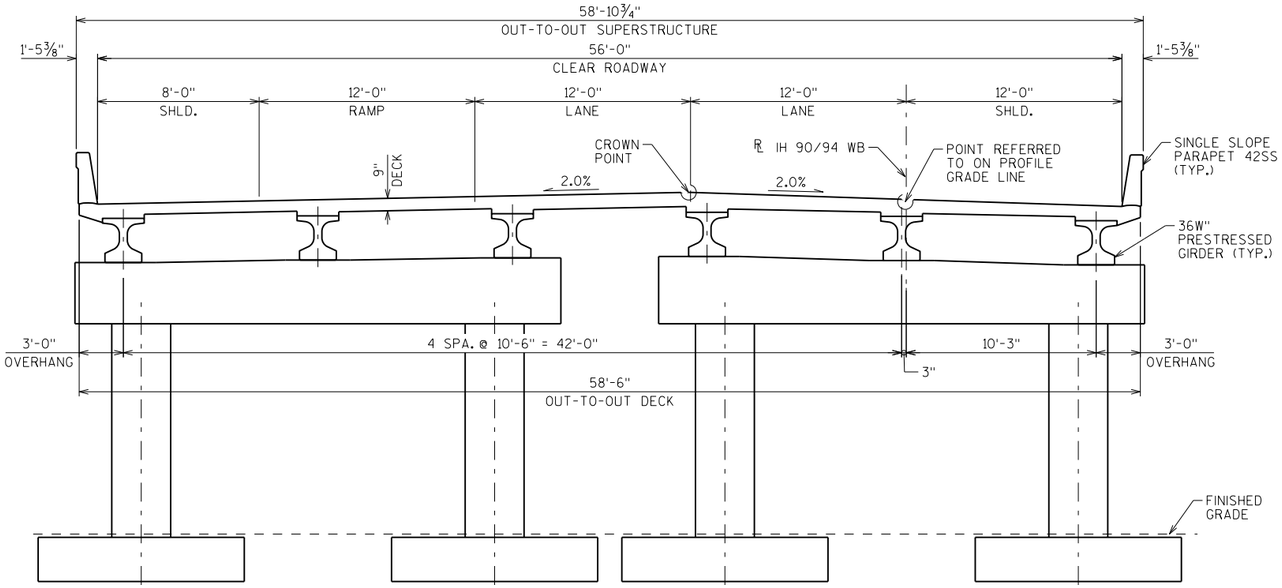
SCALE = 15.00

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STATE PROJECT NUMBER

1016-05-70



CROSS SECTION THRU BRIDGE

LOOKING UPSTATION

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-29-157" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

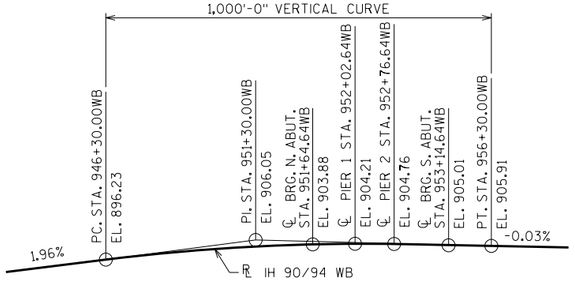
PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

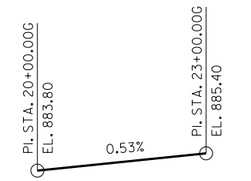
THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH CONCRETE SLOPE PAVING TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS 2" SHEET.

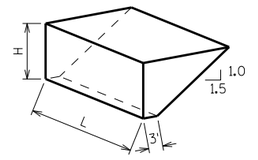
EXISTING STRUCTURE WINGWALLS ARE PARTIALLY COVERED BY FILL FOR THE TEMPORARY STRUCTURE. TEMPORARY SHORING FOR THE TEMPORARY STRUCTURE IS CONNECTED TO EXISTING STRUCTURE WINGWALLS. COORDINATE EXISTING STRUCTURE REMOVAL TO MAINTAIN TEMPORARY STRUCTURE.



PROFILE GRADE LINE - IH 90/94 WB



PROFILE GRADE LINE CTH G

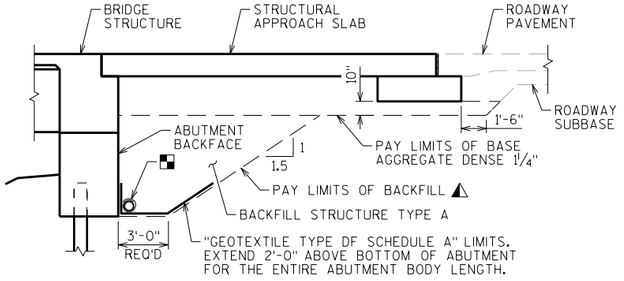


ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	N. STRUCT. APP. SLAB	NORTH ABUT.	PIER 1	PIER 2	SOUTH ABUT.	S. STRUCT. APP. SLAB	TOTALS
203.0220	REMOVING STRUCTURE B-29-37	EACH	———	———	———	———	———	———	———	1
204.9060.S	REMOVING TEMPORARY STRUCTURE STA.952+00T	EACH	———	———	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-29-157	LS	———	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	231	———	———	———	227	———	458
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	191	———	———	———	191	———	382
312.0110	SELECT CRUSHED MATERIAL	TON	———	———	———	228	228	———	———	456
501.1000.S	ICE HOT WEATHER CONCRETING	LB	2,995	630	565	1,180	1,185	555	630	7,740
502.0100	CONCRETE MASONRY BRIDGES	CY	399	84	75	157	158	74	84	1,031
502.3200	PROTECTIVE SURFACE TREATMENT	SY	987	125	———	———	———	———	125	1,237
502.3210	PIGMENTED SURFACE SEALER	SY	151	20	———	———	———	———	20	191
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	903	———	———	———	———	———	———	903
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	4,610	4,990	4,990	4,560	———	19,150
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	78,650	14,960	1,520	16,890	17,100	1,550	14,960	145,630
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,040	———	———	———	———	———	———	2,040
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	6	12	12	6	———	36
506.4000	STEEL DIAPHRAGMS B-29-157	EACH	15	———	———	———	———	———	———	15
511.1200	TEMPORARY SHORING B-29-157	SF	———	———	240	2,100	2,100	240	———	4,680
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	17	———	———	17	———	34
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	———	———	300	———	———	300	———	600
604.0400	SLOPE PAVING CONCRETE	SY	———	———	296	———	———	296	———	592
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	260	———	———	260	———	520
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	2	———	———	———	———	2	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	66	———	———	66	———	132
	NON-BID ITEMS									
	FILLER	SIZE	———	———	———	———	———	———	———	½", ¾", 1½"



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

CROSS SECTION & QUANTITIES

SHEET 2

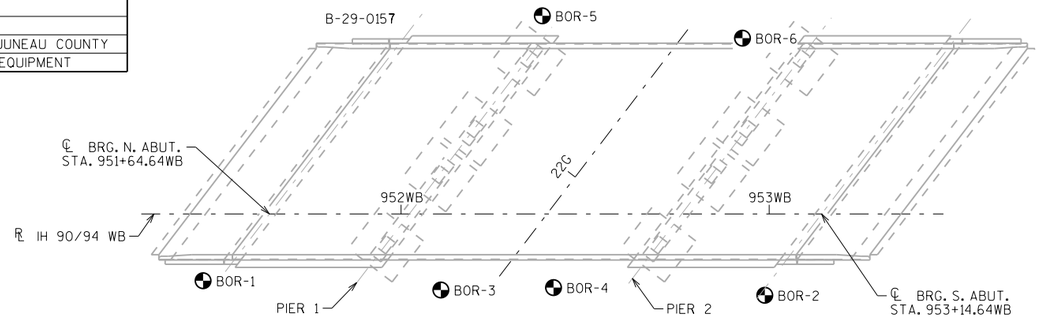
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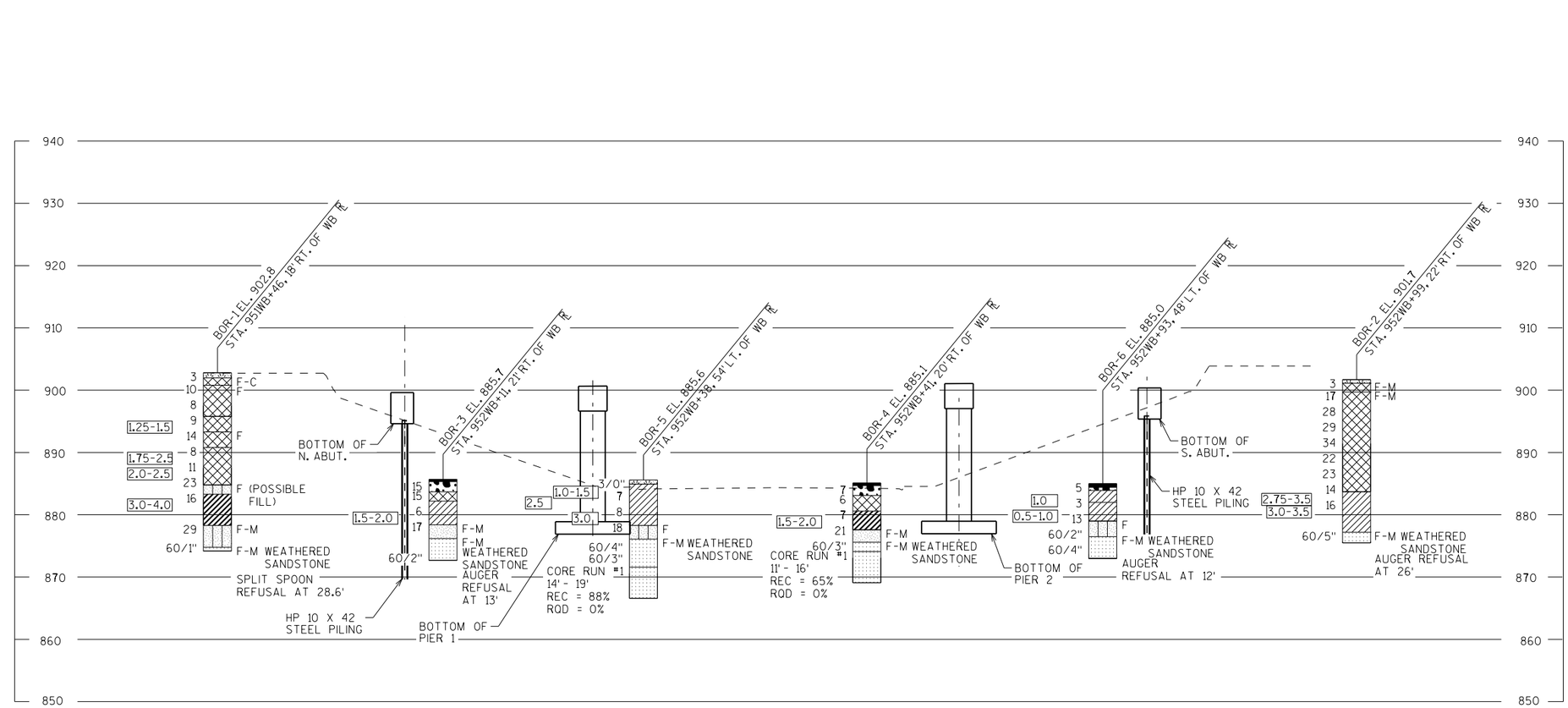
SCALE = 5.00

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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	4/14/2021	159320	466246
2	4/14/2021	159196	466335
3	4/14/2021	159267	466283
4	4/14/2021	159243	466302
5	4/13/2021	159290	466359
6	4/13/2021	159243	466387
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) JUNEAU COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





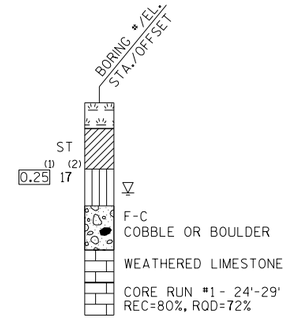
STATE PROJECT NUMBER

1016-05-70

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY TLP/MJH | PLANS CK'D. JLR

SUBSURFACE EXPLORATION

SHEET 3

977

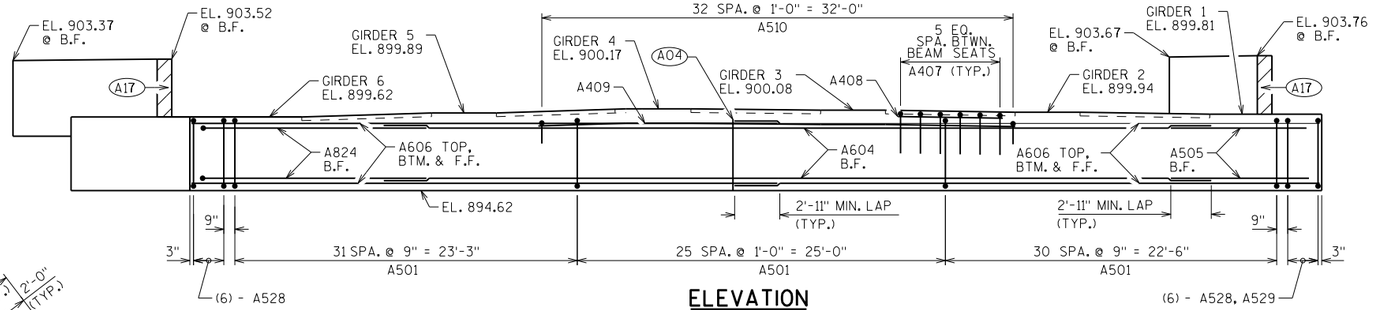
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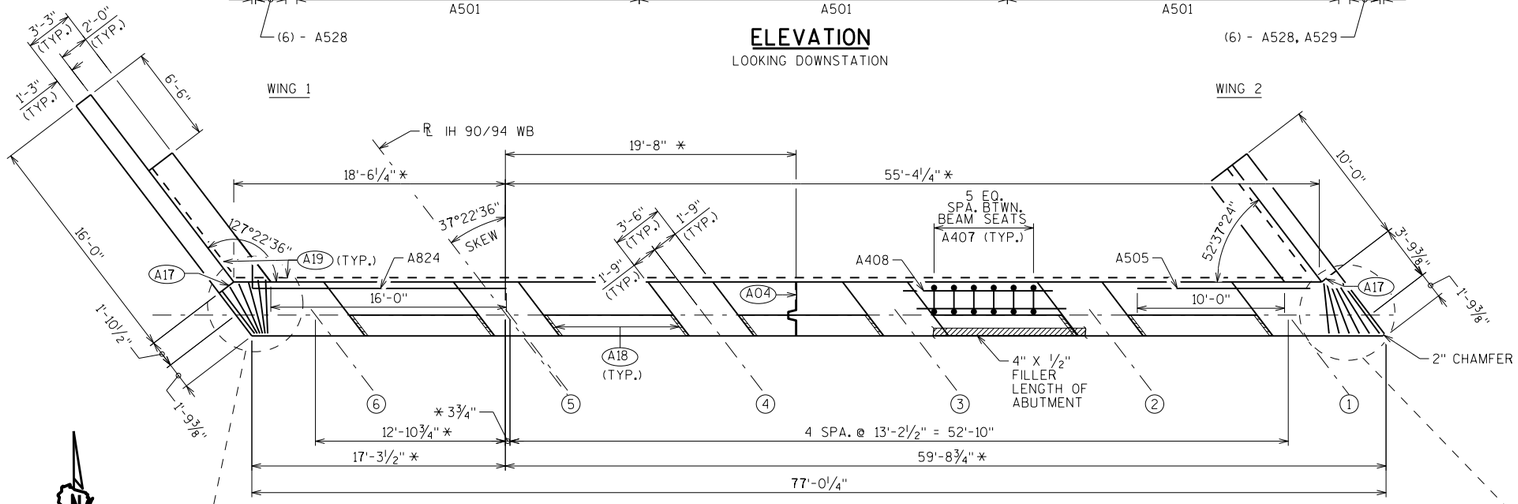
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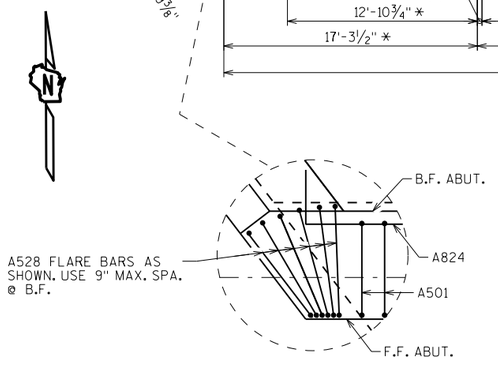


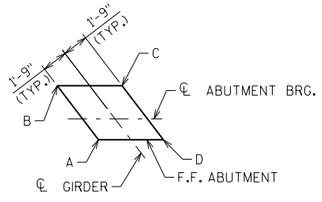
ELEVATION

LOOKING DOWNSTATION

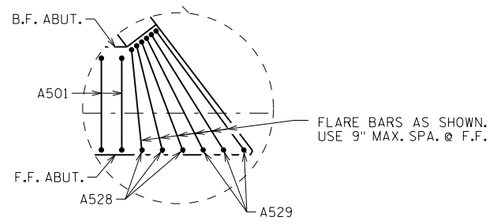


PLAN

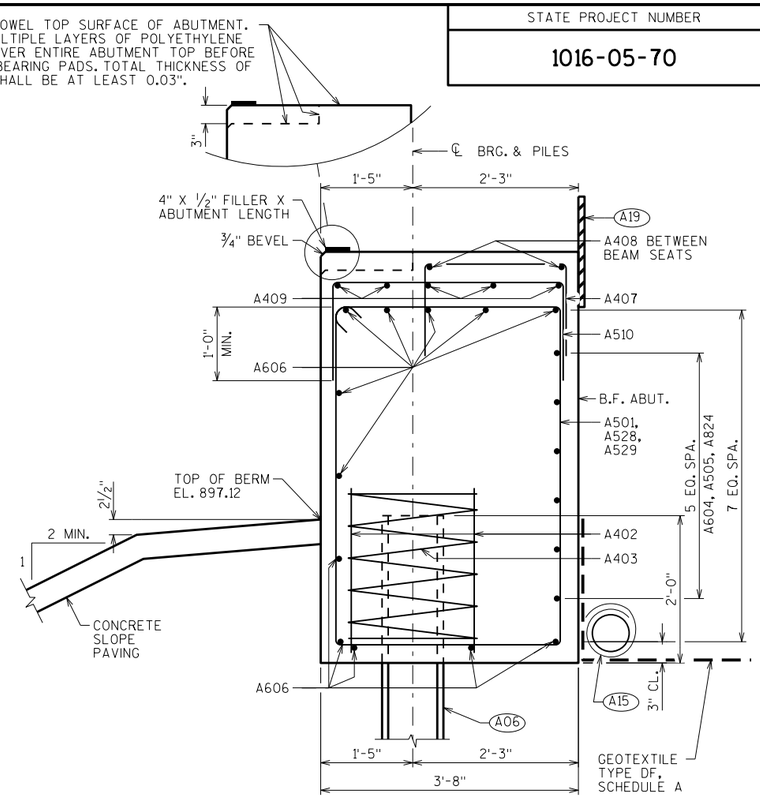




LOCATION	ELEV. DIFF.
A	0.00
B	-0.05
C	-0.02
D	0.03



STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".



SECTION THRU BODY

* DIMENSION IS TO ℄ IH 90/94 WB

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 X 8. ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A06) SUPPORT ABUTMENT ON HP 10 X 42 STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

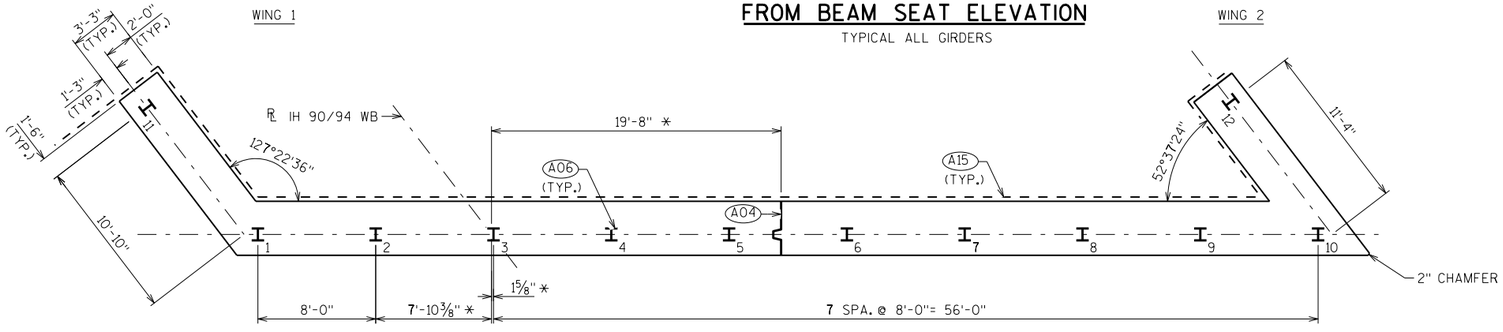
(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

DIFFERENCE IN ELEVATION FROM BEAM SEAT ELEVATION

TYPICAL ALL GIRDERS



PILE PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

NORTH ABUTMENT

SHEET 4

978

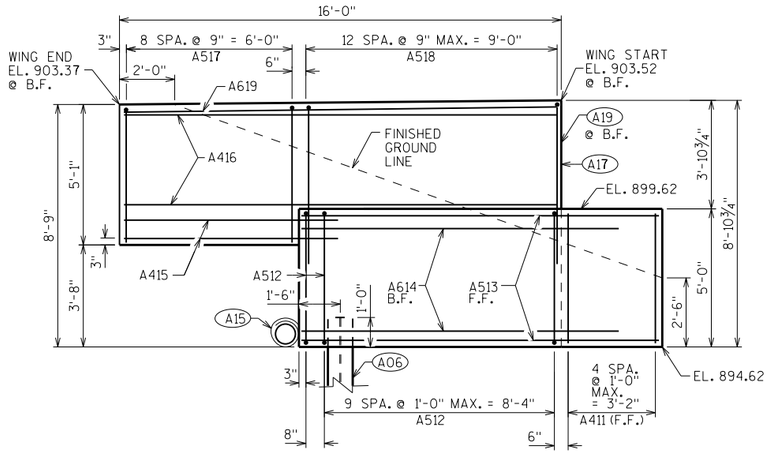
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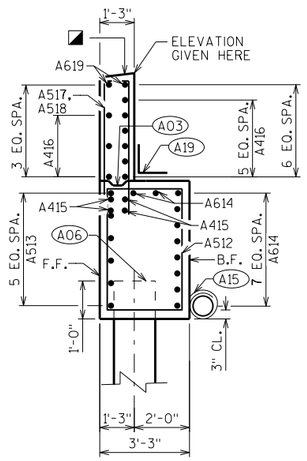
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STATE PROJECT NUMBER

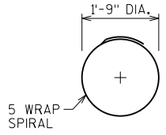
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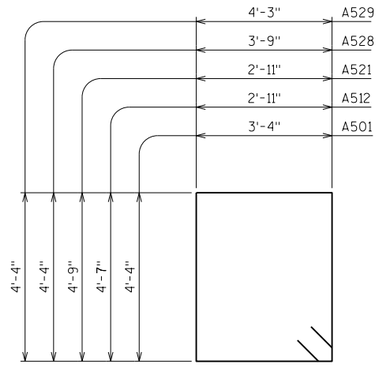
WING 1



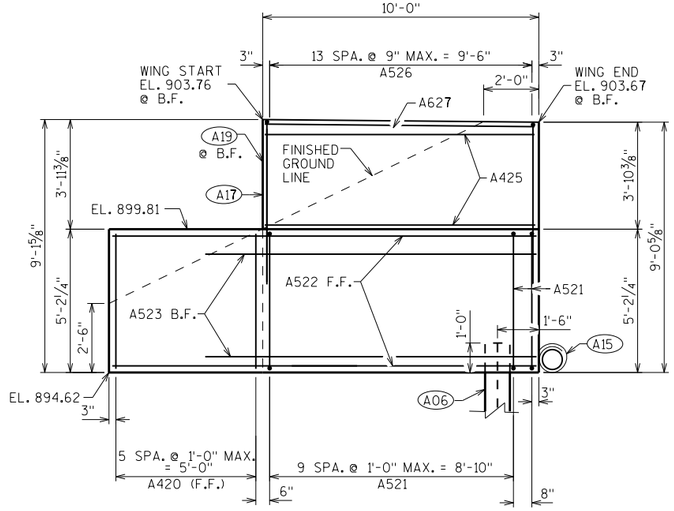
WING 1 SECTION



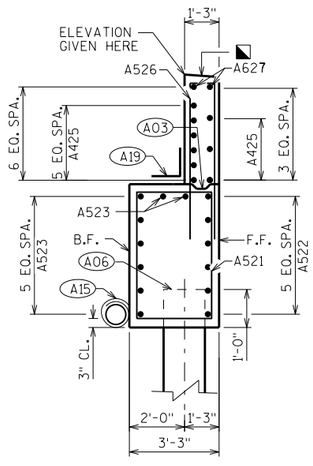
A403



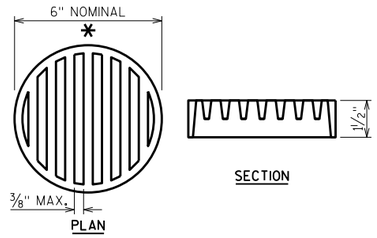
A501. A512, A521, A528, A529



WING 2



WING 2 SECTION



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

BILL OF BARS

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		87	16'-0"	X		BODY-STIRRUPS
A402		20	2'-3"			BODY PILES - 2 PER BODY PILE
A403		10	28'-0"	X		BODY PILES - 1 PER BODY PILE
A604		6	48'-9"			BODY - HORIZONTAL - B.F. - MIDDLE
A505		6	11'-9"			BODY - HORIZONTAL - B.F. - WING 2
A606		24	39'-10"			BODY - HORIZONTAL - TOP, BOT, & F.F.
A407		30	4'-5"	X		BODY - VERT. - TOP - BTWN. BEAM SEATS
A408		10	10'-11"			BODY - HORIZ. - TOP - BTWN. BEAM SEATS
A409		5	32'-4"			BODY - HORIZONTAL - TOP
A510		33	6'-2"	X		BODY - VERTICAL - TOP
A411	X	5	4'-7"			WING 1 - VERTICAL - END OF ABUTMENTS - F.F.
A512	X	11	15'-8"	X		WING 1 - STIRRUP - LOWER WING
A513	X	6	12'-10"			WING 1 - HORIZONTAL - F.F. - LOWER WING
A614	X	10	11'-5"			WING 1 - HORIZONTAL - B.F. - LOWER WING
A415	X	4	7'-9"			WING 1 - HORIZONTAL - BOT - UPPER WING
A416	X	9	15'-8"			WING 1 - HORIZONTAL - UPPER WING
A517	X	9	10'-2"	X		WING 1 - VERTICAL - UPPER WING
A518	X	13	12'-2"	X		WING 1 - VERTICAL - UPPER WING
A619	X	2	15'-8"			WING 1 - HORIZONTAL - UPPER WING - TOP
A420	X	6	4'-10"			WING 2 - VERTICAL - END OF ABUTMENTS - F.F.
A521	X	11	16'-0"	X		WING 2 - STIRRUP - LOWER WING
A522	X	6	15'-3"			WING 2 - HORIZONTAL - F.F. - LOWER WING
A523	X	8	10'-3"			WING 2 - HORIZONTAL - B.F. - LOWER WING
A824		6	18'-5"	X		BODY - HORIZONTAL - B.F. - WING 1
A425	X	9	9'-8"			WING 2 - HORIZONTAL - UPPER WING
A526	X	14	12'-2"	X		WING 2 - VERTICAL - UPPER WING
A627	X	2	9'-8"			WING 2 - HORIZONTAL - UPPER WING - TOP
A528		9	16'-10"	X		BODY - STIRRUPS
A529		3	17'-10"	X		BODY - STIRRUPS

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

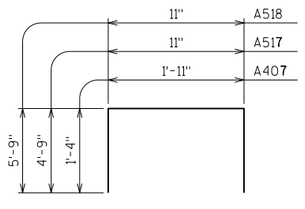
(A06) SUPPORT ABUTMENT ON 10X42 HP STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. PILE POINTS REQ'D.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

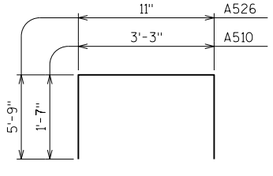
(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

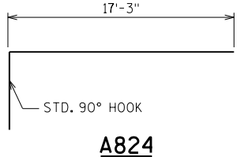
◪ FINISH SMOOTH - SLOPE TO DRAIN



A407, A517, A518



A510, A526



A824

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

NORTH ABUTMENT DETAILS

SHEET 5

979

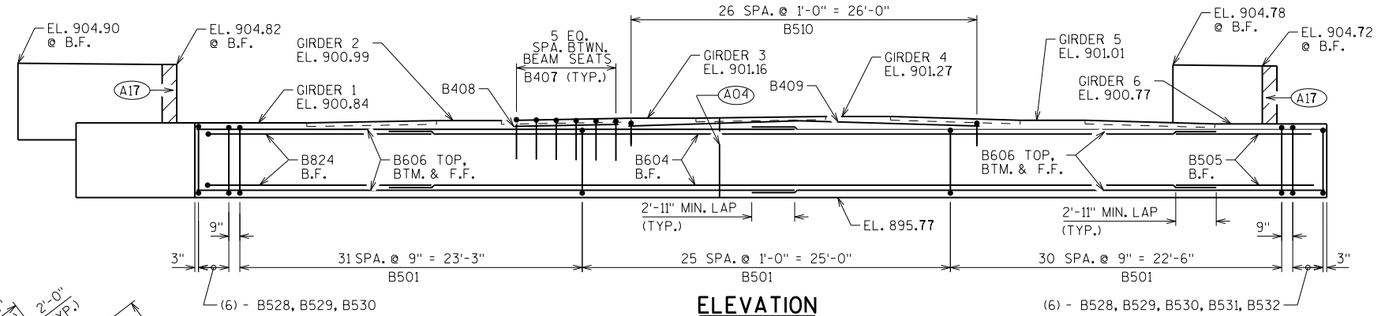
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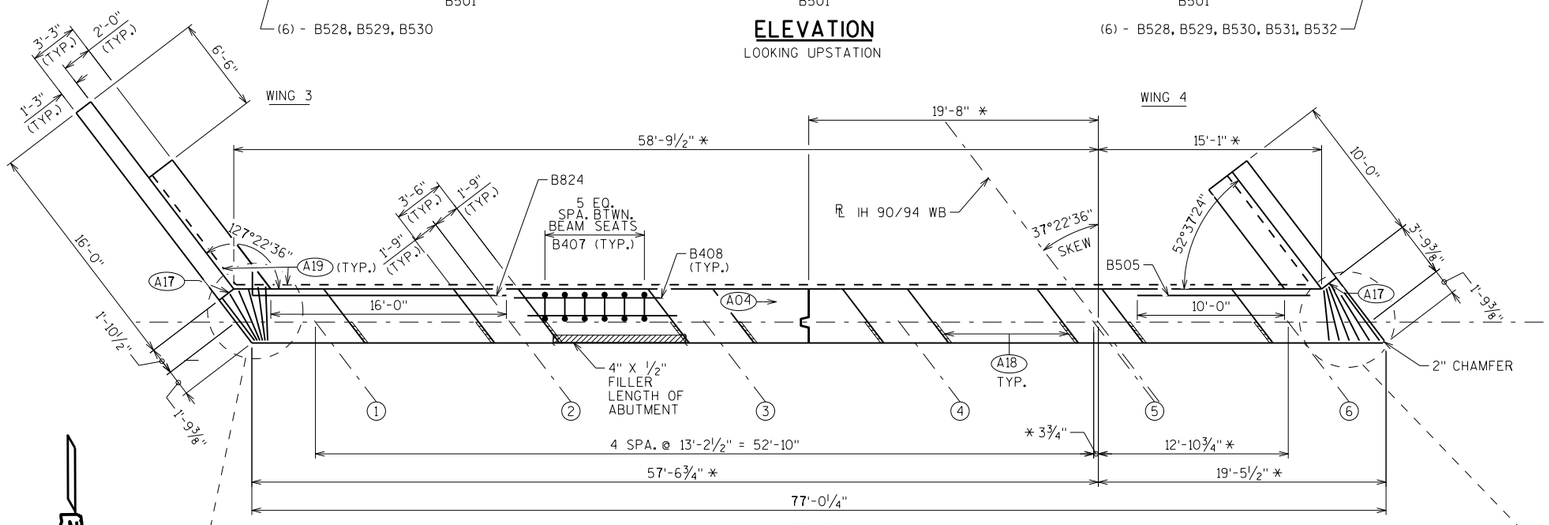
STATE PROJECT NUMBER

1016-05-70

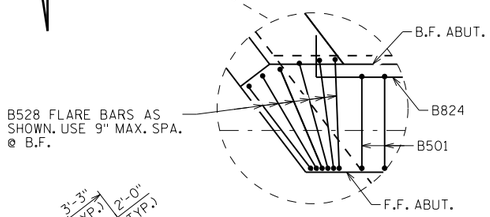


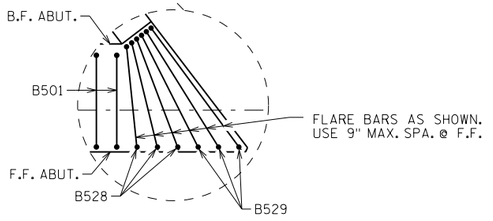
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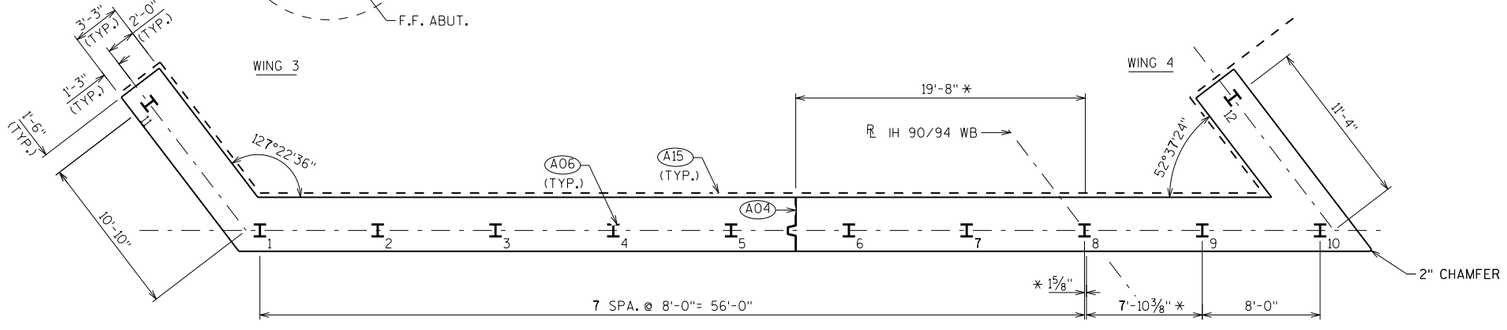
LOOKING UPSTATION



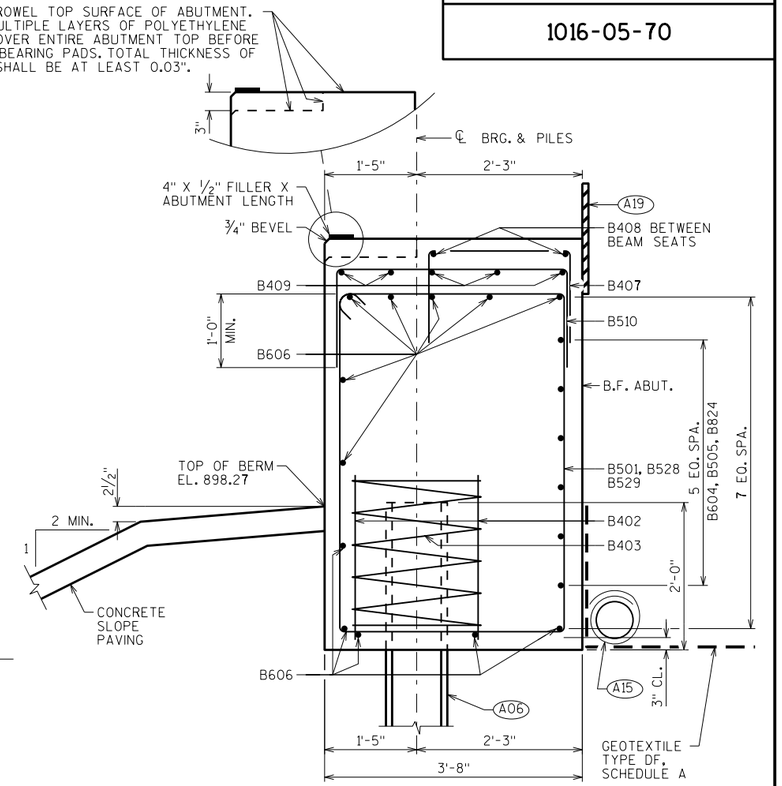
PLAN







SOUTH ABUTMENT PILE PLAN



SECTION THRU BODY

* DIMENSION IS TO ℄ IH 90/94 WB

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 X 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A06) SUPPORT ABUTMENT ON HP 10 X 42 STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

SHEET 6

SOUTH ABUTMENT

980

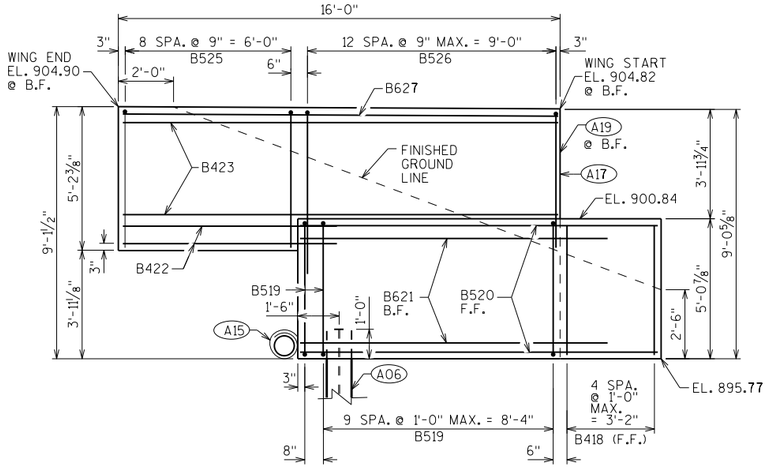
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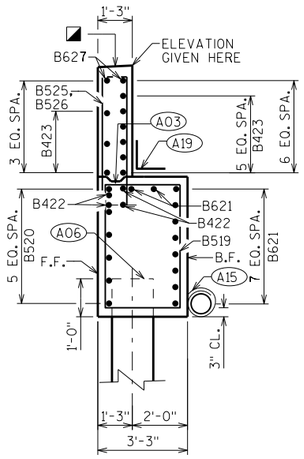
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STATE PROJECT NUMBER

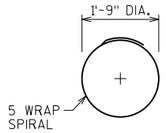
1016-05-70



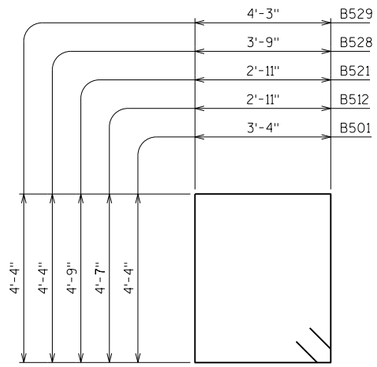
WING 3



WING 3 SECTION



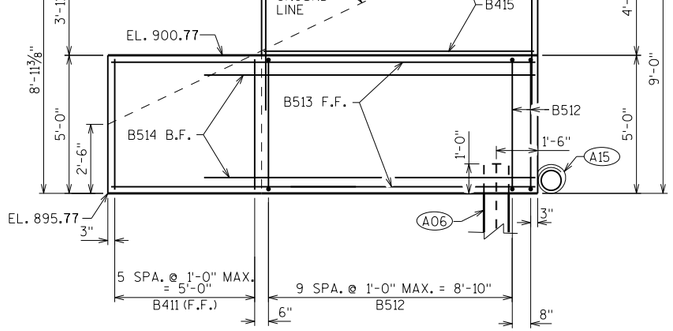
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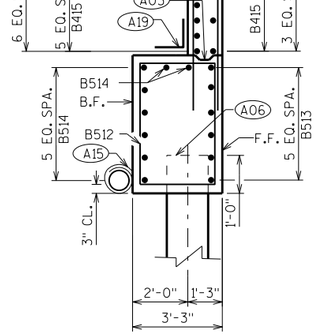
B501. B512, B521, B528, B529

BILL OF BARS

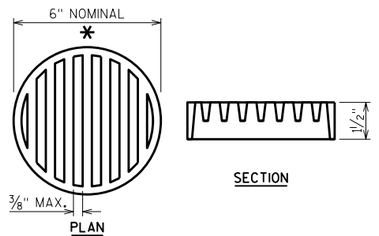
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		87	16'-0"	X		BODY-STIRRUPS
B402		20	2'-3"			BODY PILES - 2 PER BODY PILE
B403		10	28'-0"	X		BODY PILES - 1 PER BODY PILE
B604		6	48'-9"			BODY - HORIZONTAL - B.F. - MIDDLE
B505		6	11'-9"			BODY - HORIZONTAL - B.F. - WING 4
B606		24	39'-10"			BODY - HORIZONTAL - TOP, BOT, & F.F.
B407		30	4'-5"	X		BODY - VERT. - TOP - BTWN. BEAM SEATS
B408		10	10'-11"			BODY - HORIZ. - TOP - BTWN. BEAM SEATS
B409		5	26'-4"			BODY - HORIZONTAL - TOP
B510		27	6'-6"	X		BODY - VERTICAL
B411	X	6	4'-7"			WING 4 - VERTICAL - END OF ABUTMENTS - F.F.
B512	X	11	15'-8"	X		WING 4 - STIRRUP - LOWER WING
B513	X	6	15'-3"			WING 4 - HORIZONTAL - F.F. - LOWER WING
B514	X	8	10'-3"			WING 4 - HORIZONTAL - B.F. - LOWER WING
B415	X	9	9'-8"			WING 4 - HORIZONTAL - UPPER WING
B516	X	14	12'-4"	X		WING 4 - VERTICAL - UPPER WING
B617	X	2	9'-8"			WING 4 - HORIZONTAL - UPPER WING - TOP
B418	X	5	4'-8"			WING 3 - VERTICAL - END OF ABUTMENTS - F.F.
B519	X	11	15'-10"	X		WING 3 - STIRRUP - LOWER WING
B520	X	6	12'-10"			WING 3 - HORIZONTAL - F.F. - LOWER WING
B621	X	10	12'-10"			WING 3 - HORIZONTAL - B.F. - LOWER WING
B422	X	4	7'-9"			WING 3 - HORIZONTAL - BOT - UPPER WING
B423	X	9	15'-8"			WING 3 - HORIZONTAL - UPPER WING
B824		6	18'-5"	X		BODY - HORIZONTAL - B.F. - WING 3
B525	X	9	10'-4"	X		WING 3 - VERTICAL - UPPER WING
B526	X	13	12'-8"	X		WING 3 - VERTICAL - UPPER WING
B627	X	2	15'-8"			WING 3 - HORIZONTAL - UPPER WING - TOP
B528		9	16'-10"	X		BODY - STIRRUPS
B529		3	17'-10"	X		BODY - STIRRUPS



WING 4



WING 4 SECTION

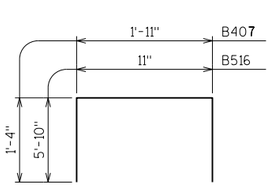


RODENT SHIELD DETAIL

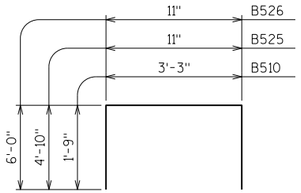
* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

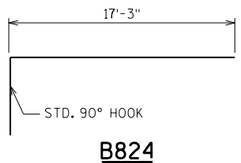
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



B407, B516



B510, B525, B526



B824

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 × 6. (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A06) SUPPORT ABUTMENT ON 10X42 HP STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. PILE POINTS REQ'D.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

◪ FINISH SMOOTH - SLOPE TO DRAIN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

SOUTH ABUTMENT DETAILS

SHEET 7

981

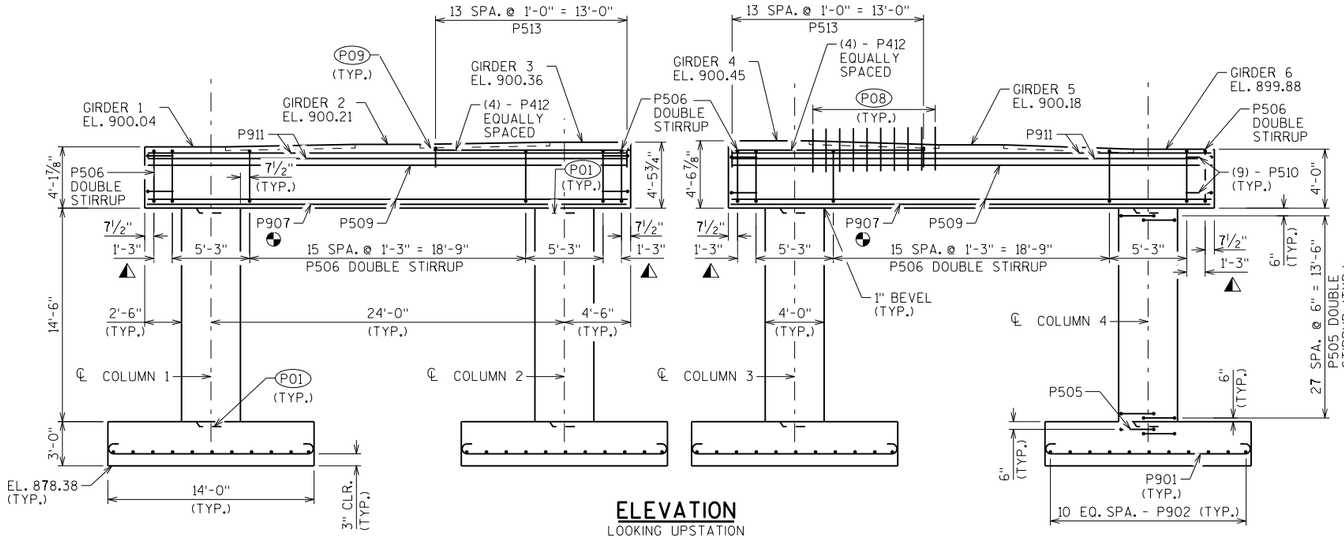
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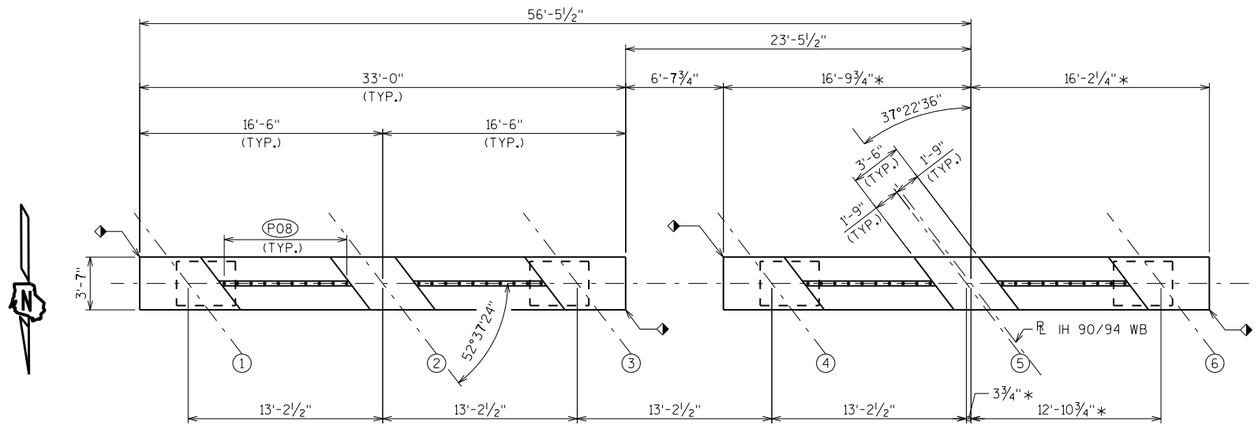
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STATE PROJECT NUMBER

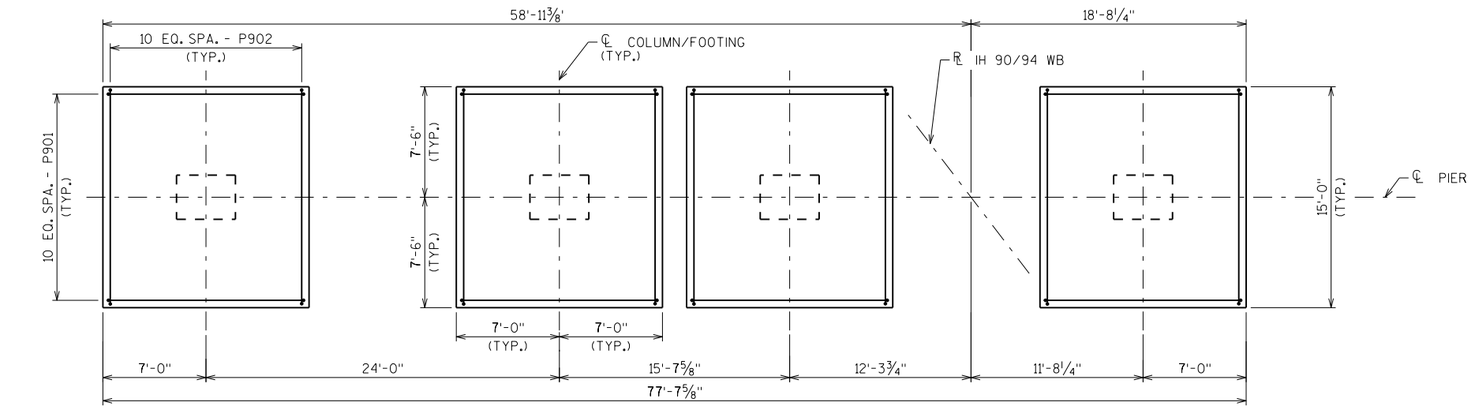
1016-05-70



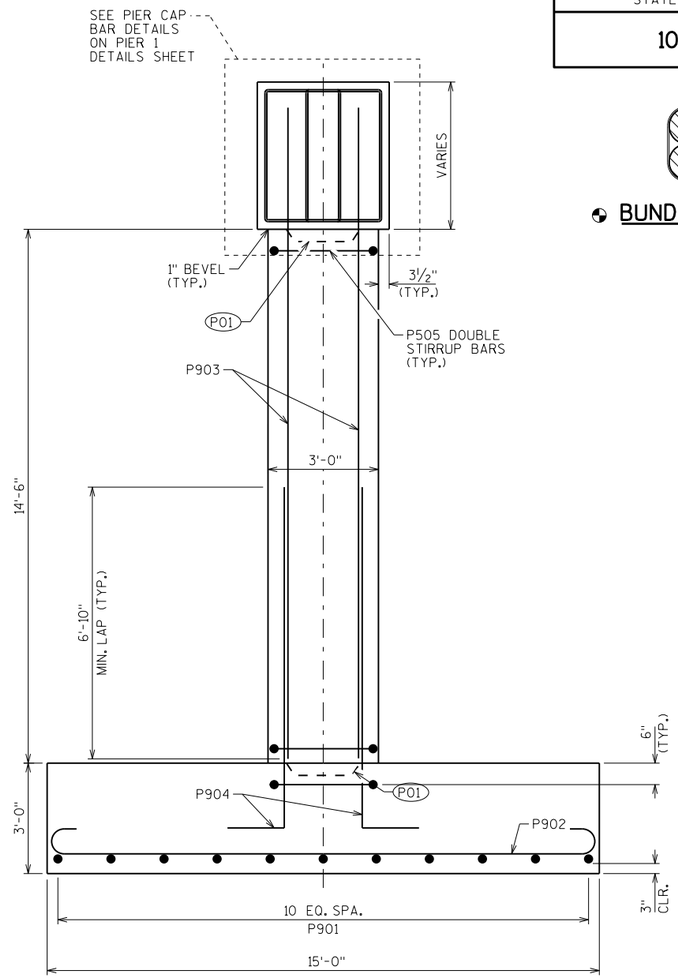
ELEVATION
LOOKING UPSTATION



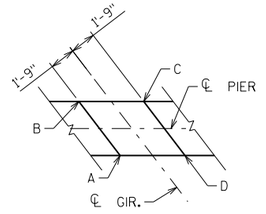
CAP PLAN



FOOTING PLAN



END VIEW



DIFFERENCE IN ELEVATION FROM BEAM SEAT ELEVATION

TYPICAL ALL GIRDERS

◆ ELEVATION DIFFERENCE HAPPENS AT CORNER INSTEAD OF 1'-9" DISTANCE

LOCATION	ELEV. DIFF.
A	-0.01
B	0.04
C	0.01
D	-0.04



◆ BUNDLING DETAIL

◭ P506 DOUBLE STIRRUP

* DIMENSION IS TO ℄ IH 90/94 WB

(P01) 1'-3" X 2'-0" X 4" CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P08) P508 BARS @ 1'-0" MAX. CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

PIER 1

SHEET 8

982

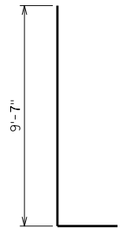
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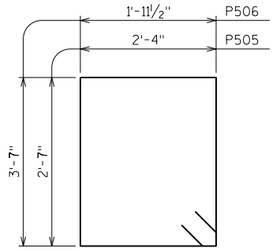
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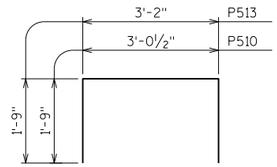
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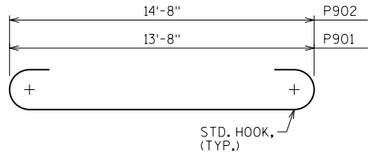
P904



P505, P506



P510, P513

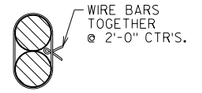


P901, P902

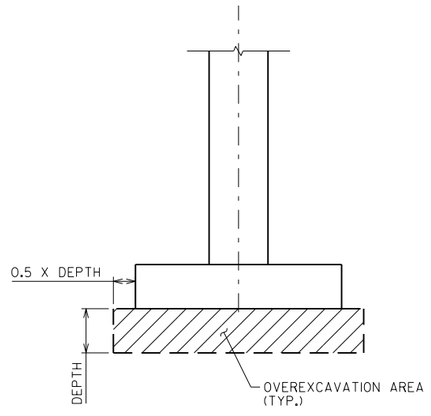
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P901		44	16'-2"	X		FOOTING-TRANS.
P902		44	17'-2"	X		FOOTING-LONGIT.
P903	X	72	18'-0"			COLUMN-VERT.
P904	X	72	11'-0"	X		FOOTING/COLUMN-VERT.
P505	X	232	10'-6"	X		COLUMN & FOOTING STIRRUPS
P506	X	80	11'-9"	X		CAP STIRRUPS BTWN. COLUMNS
P907	X	24	32'-7"			CAP-BOTTOM-HORIZ.
P508	X	40	2'-0"			CAP-VERT.-DOWEL
P509	X	24	32'-7"			CAP-MIDDLE-HORIZ.
P510	X	36	6'-4"	X		CAP-END U-BAR-HORIZ.
P911	X	20	32'-7"			CAP-TOP-HORIZ.
P412	X	8	13'-5"			CAP-TOP-HORIZ.
P513	X	28	6'-5"	X		CAP-TOP-VERT.



BUNDLING DETAIL



PIER OVEREXCAVATION ELEVATION

TYP. ALL SIDES OF FOOTING

EXCAVATION BELOW FOOTINGS WILL BE REQUIRED TO REMOVE EXISTING FOOTINGS, LOWER STRENGTH FILL, AND NATURAL CLAYS AND SANDS TO REACH VERY DENSE WEATHERED SANDSTONE BEDROCK.

ESTIMATED ELEVATIONS OF OVEREXCAVATIONS LIMITS ARE
PIER 1: 876.1 - 876.2

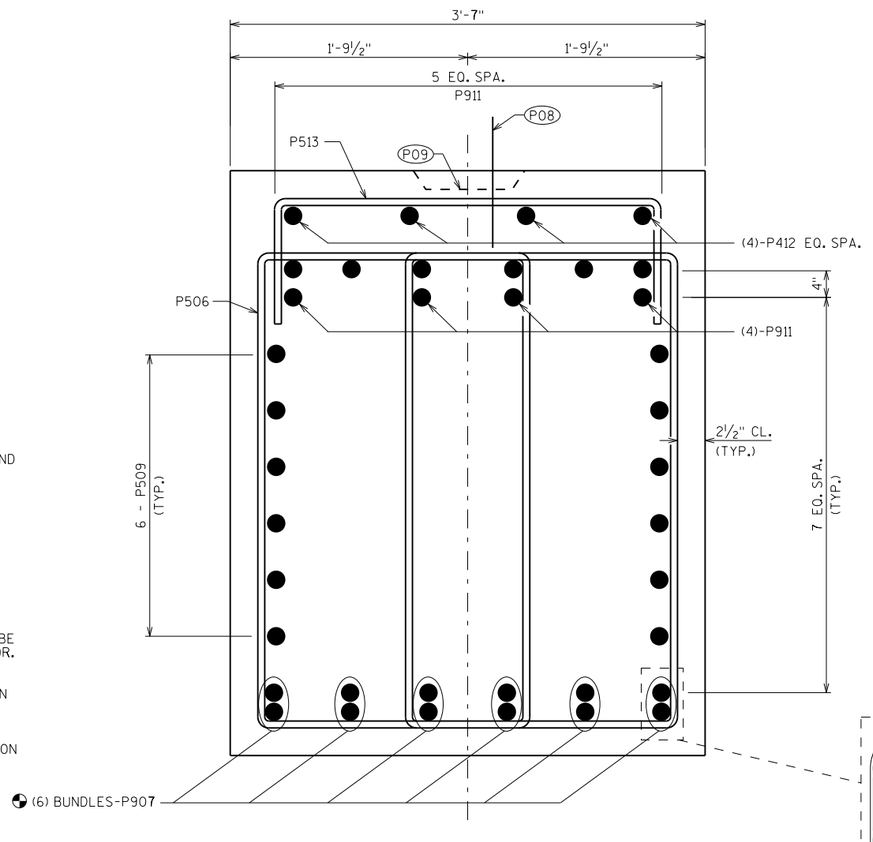
THE DEPTH OF THE EXISTING FOOTINGS APPEAR TO BE NEAR ELEVATION 875.3 (PIER 1) BUT THE DEPTH OF SUITABLE BEARING STRATA MAY VARY. FOOTING SUBGRADE CONDITIONS SHOULD BE EVALUATED BY THE REGIONAL SOILS ENGINEER OR A GEOTECHNICAL ENGINEER TO DETERMINE THE REQUIRED DEPTH OF OVEREXCAVATION.

OVEREXCAVATION SHOULD BE SIZED AT LEAST 0.5 FEET LATERALLY BEYOND THE FOOTING LIMITS FOR EVERY FOOT OF DEPTH BELOW THE FOOTING. OSHA SLOPING OR TEMPORARY SHORING REQUIREMENTS WILL BE REQUIRED IF WORKERS NEED TO ENTER THE EXCAVATION, WHICH IS THE RESPONSIBILITY OF THE CONTRACTOR.

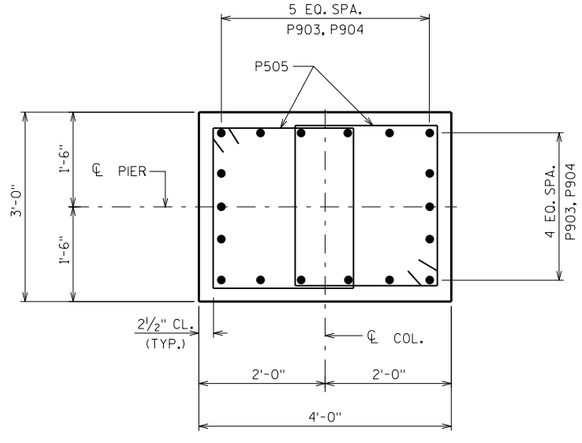
THE OVEREXCAVATION AREA, INCLUDING EXCAVATION TO REMOVE EXISTING FOOTINGS, SHOULD BE RESTORED WITH SELECT CRUSHED MATERIAL THAT IS PLACED IN LOOSE LIFTS OF APPROXIMATELY 8 INCHES AND THEN THOROUGHLY COMPACTED WITH A HEAVY VIBRATORY COMPACTOR UNTIL NO FURTHER DEFLECTION IS OBSERVED BENEATH THE COMPACTOR.

CONCRETE MAY BE USED AS AN ALTERNATIVE TO SELECT CRUSHED MATERIAL TO FILL THE OVEREXCAVATION AT NO ADDITIONAL COST TO THE DEPARTMENT. IF CONCRETE IS USED INSTEAD OF SELECT CRUSHED MATERIAL, THE EXCAVATION OVERSIZING CAN BE REDUCED TO 0.5 FEET LATERALLY BEYOND THE FOOTING LIMITS AND THEN EXTENDED TO SUITABLE BEARING STRATUM. OSHA SLOPING OR TEMPORARY SHORING REQUIREMENTS WILL BE REQUIRED IF WORKERS NEED TO ENTER THE EXCAVATION, WHICH IS THE RESPONSIBILITY OF THE CONTRACTOR.

AN OVEREXCAVATION DEPTH OF 3 FEET WAS USED FOR QUANTITY ESTIMATION PURPOSES.



PIER
CAP BAR DETAILS



SECTION THRU COLUMN

(P08) P508 BARS @ 1'-0" MAX. CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

PIER 1 DETAILS

SHEET 9

983

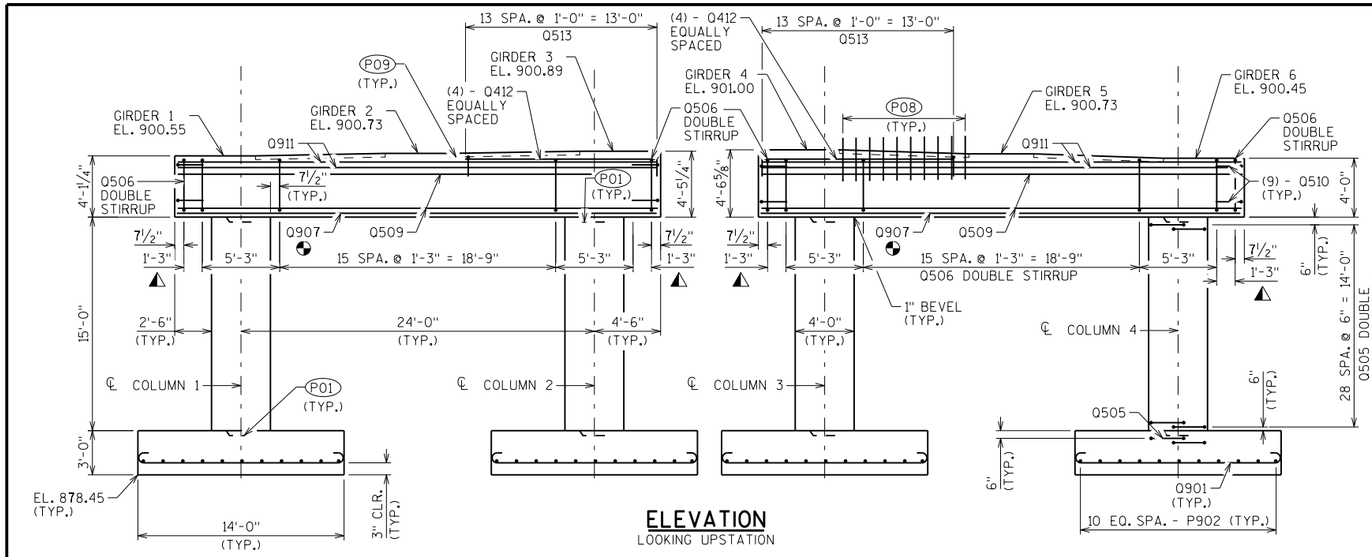
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8

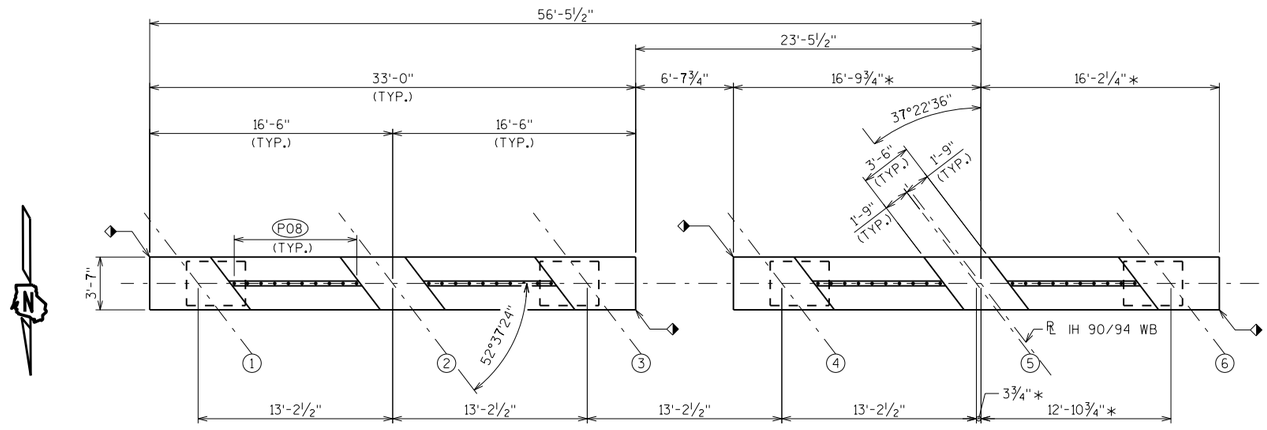
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STATE PROJECT NUMBER

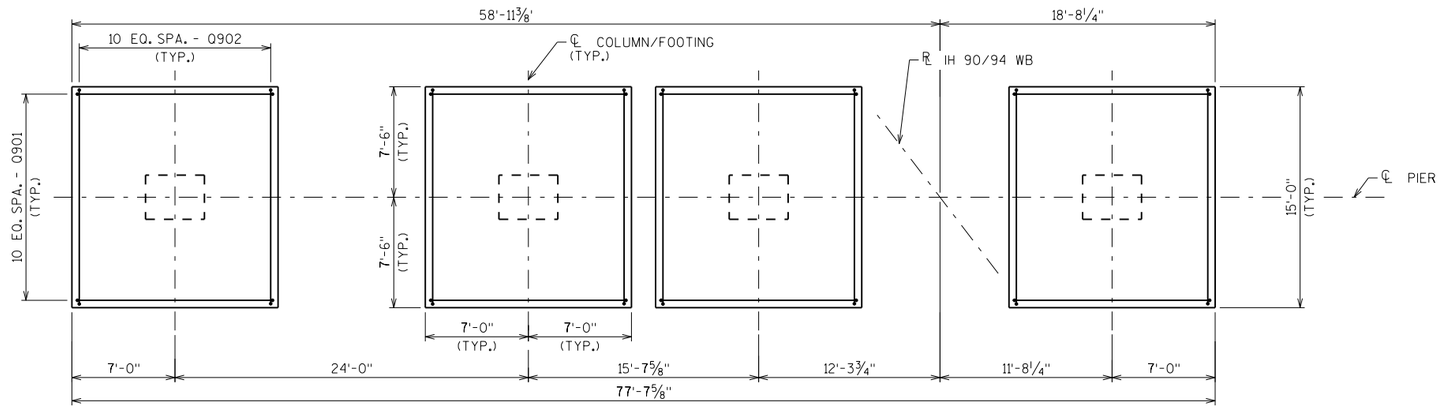
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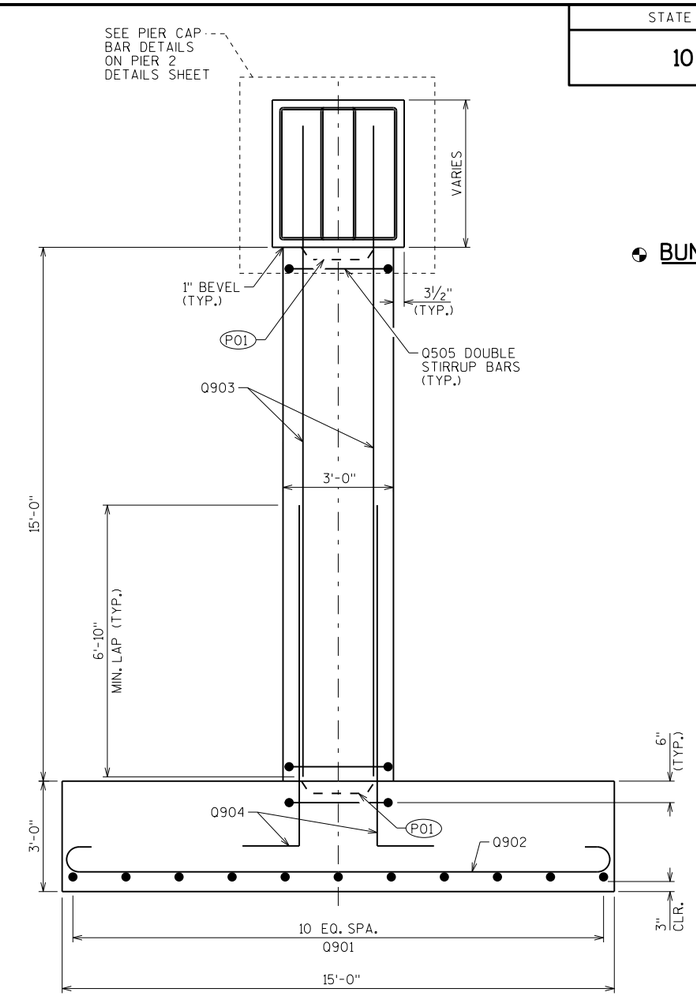
ELEVATION
LOOKING UPSTATION



CAP PLAN



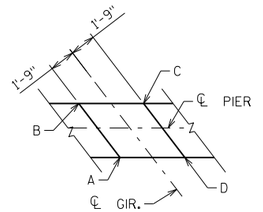
FOOTING PLAN



END VIEW



◔ BUNDLING DETAIL



DIFFERENCE IN ELEVATION FROM BEAM SEAT ELEVATION

TYPICAL ALL GIRDERS

◆ ELEVATION DIFFERENCE HAPPENS AT CORNER INSTEAD OF 1'-9" DISTANCE

LOCATION	ELEV. DIFF.
A	-0.01
B	0.04
C	0.01
D	-0.04

◭ Q506 DOUBLE STIRRUP

* DIMENSION IS TO ℄ IH 90/94 WB

(P01) 1'-3" X 1'-3" X 4" CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P08) Q508 BARS @ 1'-0" MAX. CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

PIER 2

SHEET 10

984

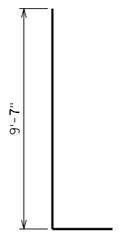
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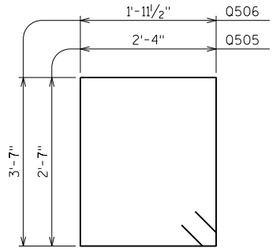
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STATE PROJECT NUMBER

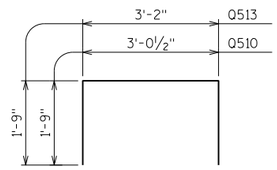
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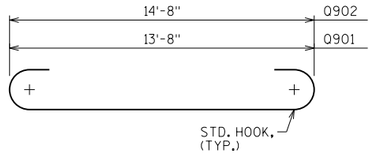
0904



Q505, Q506



Q510, Q513

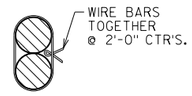


Q901, Q902

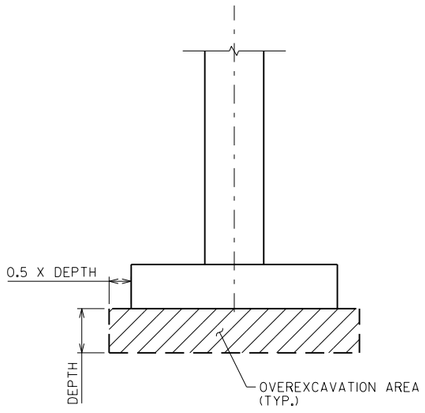
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
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Q902		44	17'-2"	X		FOOTING-LONGIT.
Q903	X	72	18'-6"			COLUMN-VERT.
Q904	X	72	11'-0"	X		FOOTING/COLUMN-VERT.
Q505	X	240	10'-6"	X		COLUMN & FOOTING STIRRUPS
Q506	X	80	11'-9"	X		CAP STIRRUPS BTWN. COLUMNS
Q907	X	24	32'-7"			CAP-BOTTOM-HORIZ.
Q508	X	40	2'-0"			CAP-VERT.-DOWEL
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Q412	X	8	13'-5"			CAP-TOP-HORIZ.
Q513	X	28	6'-5"	X		CAP-TOP-VERT.



BUNDLING DETAIL



PIER OVEREXCAVATION ELEVATION

TYP. ALL SIDES OF FOOTING

EXCAVATION BELOW FOOTINGS WILL BE REQUIRED TO REMOVE EXISTING FOOTINGS, LOWER STRENGTH FILL, AND NATURAL CLAYS AND SANDS TO REACH VERY DENSE WEATHERED SANDSTONE BEDROCK.

ESTIMATED ELEVATIONS OF OVEREXCAVATIONS LIMITS ARE
PIER 2: 875.6 - 876.5

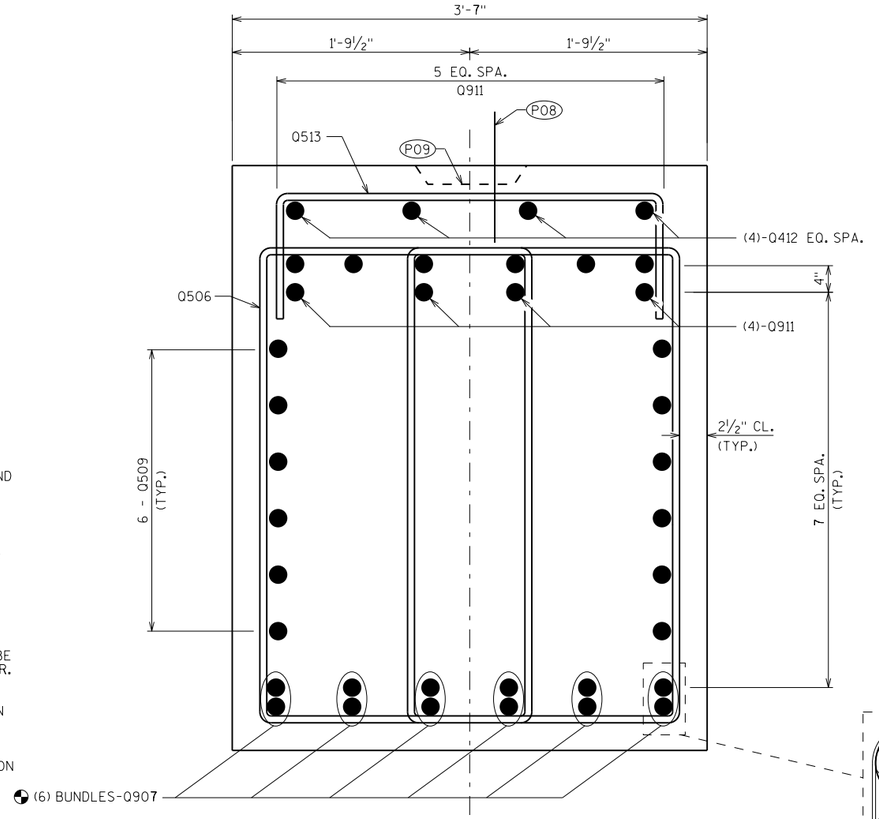
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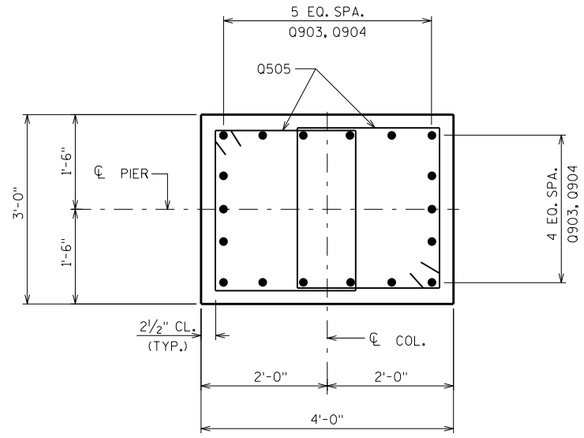
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AN OVEREXCAVATION DEPTH OF 3 FEET WAS USED FOR QUANTITY ESTIMATION PURPOSES.



PIER
CAP BAR DETAILS



SECTION THRU COLUMN

(P08) Q508 BARS @ 1'-0" MAX. CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2 x 6 BETWEEN BEAM SEATS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

PIER 2 DETAILS

SHEET 11

985

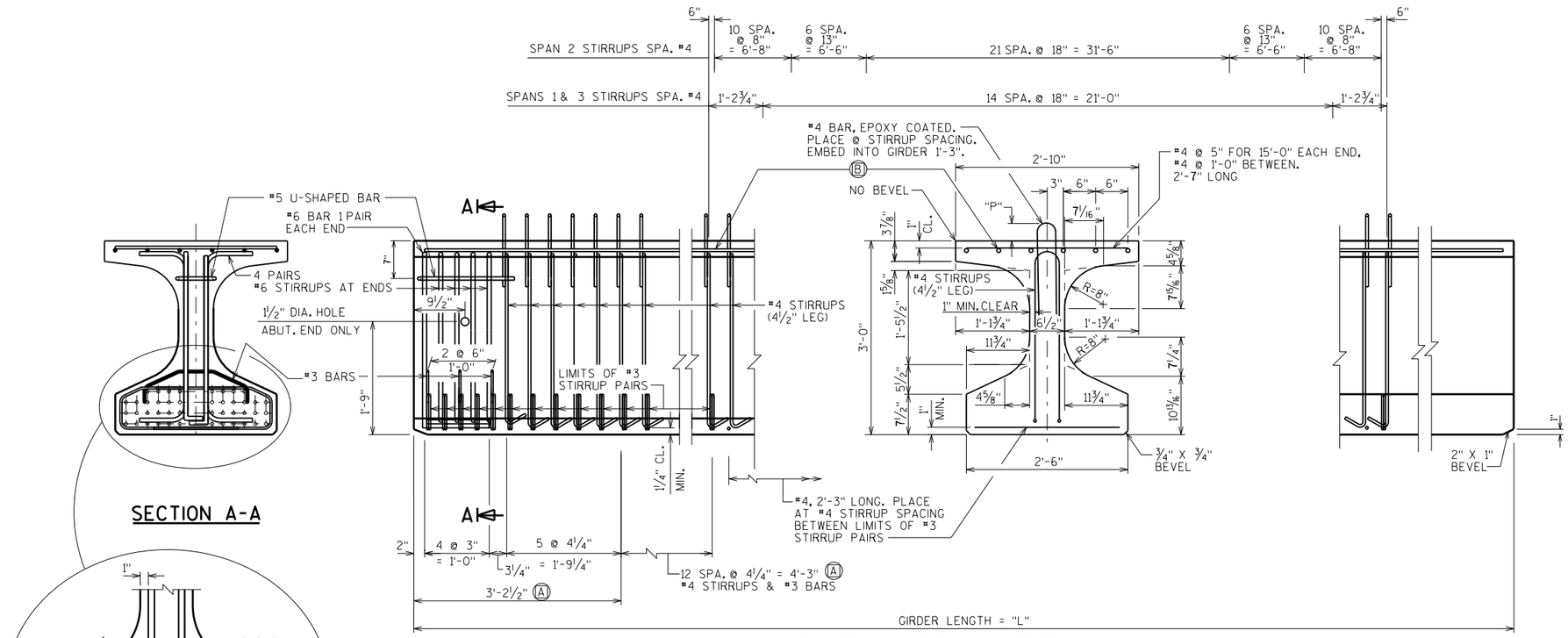
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SCALE = 5.00

STATE PROJECT NUMBER

1016-05-70



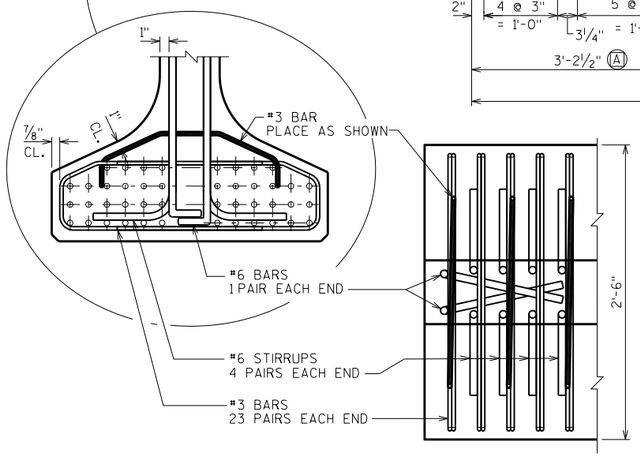
SECTION A-A

SIDE VIEW & TYPICAL SECTION IN SPAN

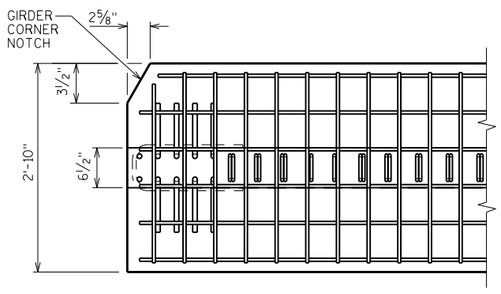
Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #5 BARS, FULL LENGTH, MIN. LAP = 2'-5" (SPANS 1 & 3)

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11" (SPAN 2)



BOTTOM FLANGE



TOP FLANGE

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.)										CONC. STRGTH. f'c (P.S.I.)	"P" (IN.)			DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10			1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER		TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✻	("A"	"B" MIN.	"B" MAX.	"C")	TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✻
1	1 & 6	38.38	0.02	0.05	0.06	0.07	0.08	0.07	0.06	0.04	0.02		8,000	7.0	7.0	7.0	0.6	———	—	—	—	—	—	16	6,800
1	2-5	38.38	0.03	0.06	0.08	0.09	0.09	0.09	0.08	0.05	0.03		8,000	7.0	7.0	7.0	0.6	———	—	—	—	—	—	16	6,800
2	1 & 6	73.75	0.36	0.68	0.93	1.09	1.14	1.09	0.93	0.68	0.36		8,000	7.0	7.0	7.0	0.6	24	6,400	32.0	11.0	14.0	4.0	———	———
2	2-5	73.75	0.43	0.82	1.12	1.31	1.38	1.31	1.12	0.82	0.43		8,000	7.0	7.0	7.0	0.6	24	6,400	32.0	11.0	14.0	4.0	———	———
3	1 & 6	38.38	0.02	0.04	0.06	0.07	0.08	0.07	0.06	0.05	0.02		8,000	7.0	7.0	7.0	0.6	———	—	—	—	—	—	16	6,800
3	2-5	38.38	0.03	0.05	0.08	0.09	0.09	0.09	0.08	0.06	0.03		8,000	7.0	7.0	7.0	0.6	———	—	—	—	—	—	16	6,800

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

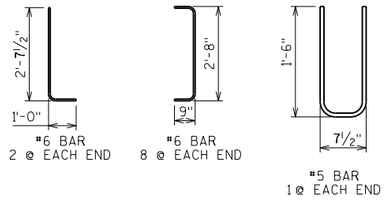
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

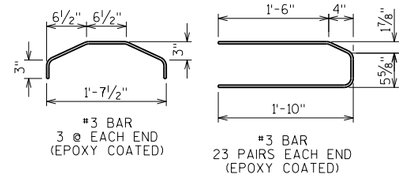
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.





NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

36W" PRESTRESSED GIRDER DETAILS 1

SHEET 12

986

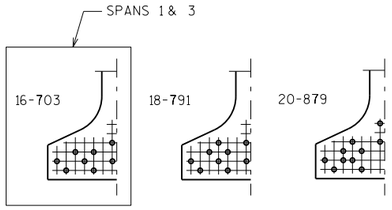
SCALE = 1.00

8

8

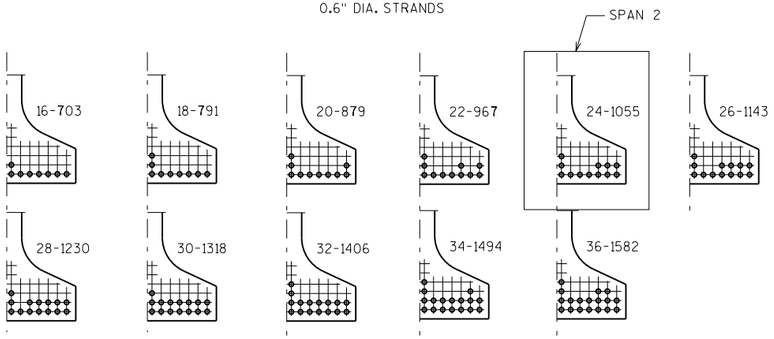
STATE PROJECT NUMBER

1016-05-70



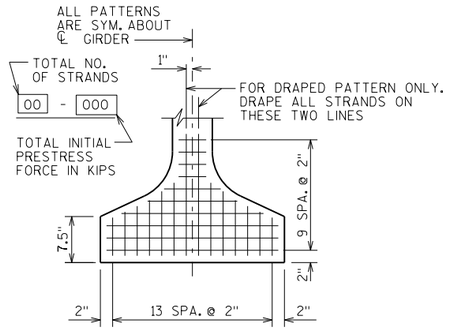
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

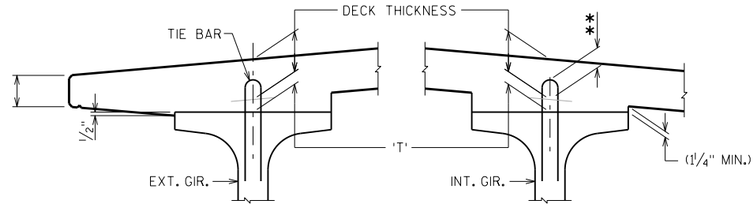


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

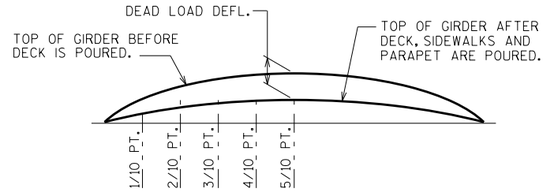
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

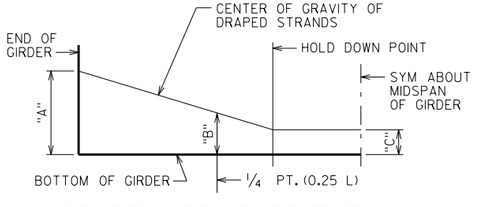
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 2⅝" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	0.50
2	2.14
3	0.50

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

36W" PRESTRESSED GIRDER DETAILS 2

SHEET 13

987

SCALE = 1.00

8

8

STATE PROJECT NUMBER

1016-05-70

NOTES

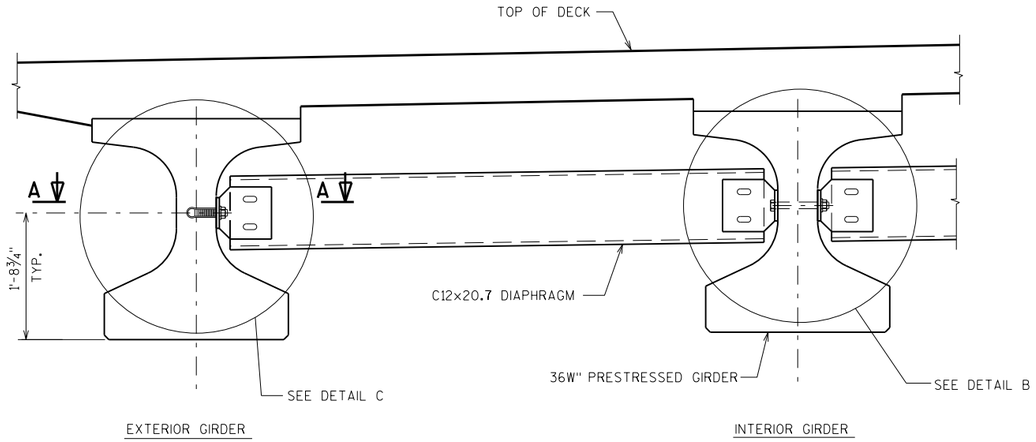
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-29-157", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

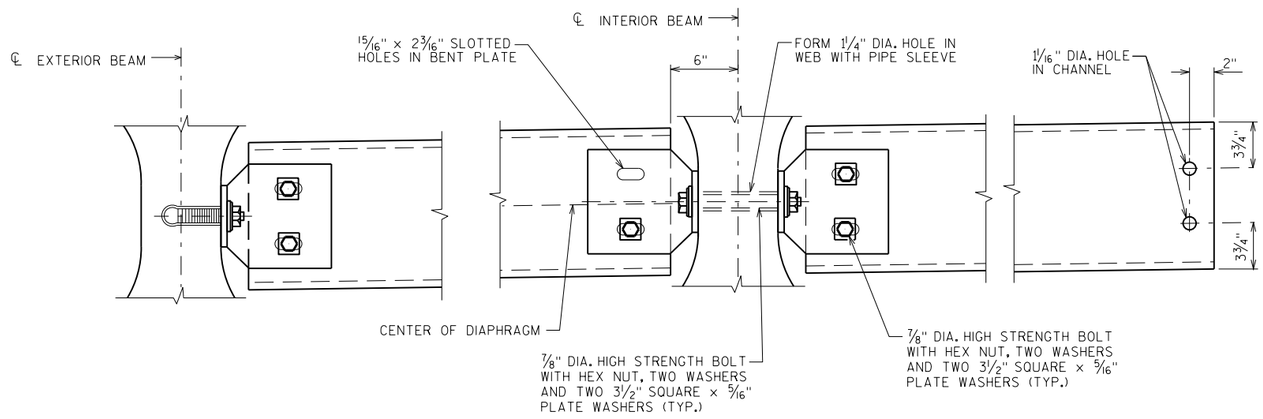
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

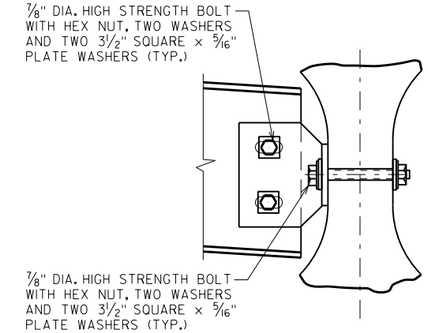


PART TRANSVERSE SECTION AT DIAPHRAGM

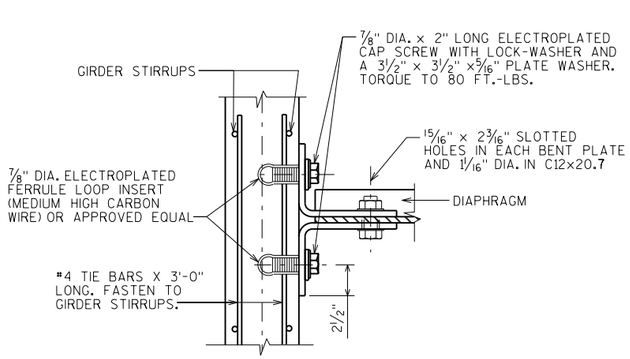


DETAIL C

DETAIL B

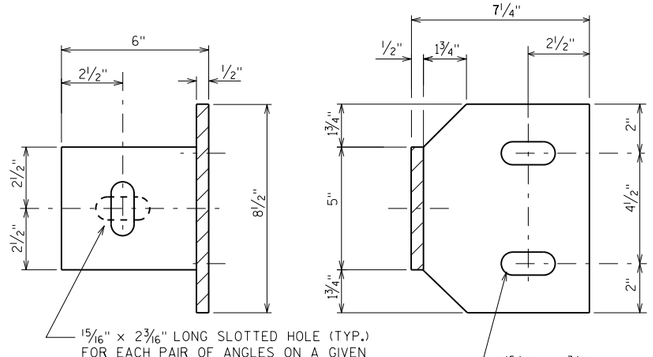


SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM FOR SKEW ANGLES > 10°



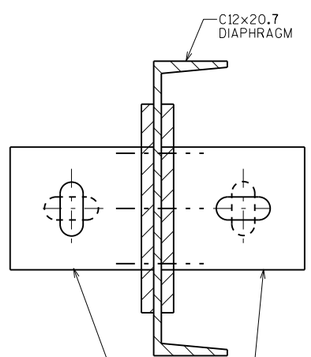
SECTION A-A

(FOR EXTERIOR ATTACHMENT)



BEAM FACE

DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

STEEL DIAPHRAGM

SHEET 14

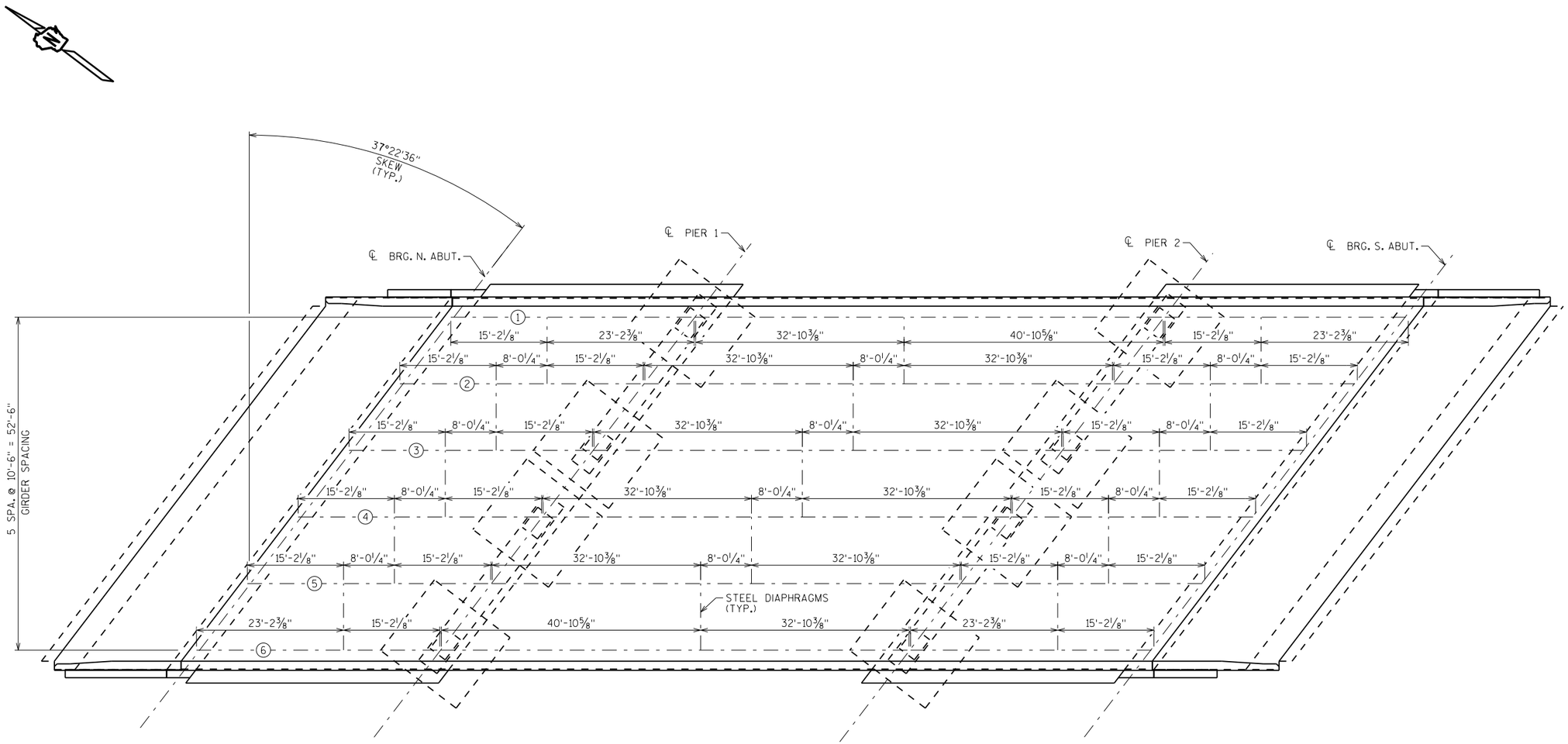
988

SCALE = 1.00

8

8

STATE PROJECT NUMBER
1016-05-70



STEEL DIAPHRAGM LOCATIONS

DIMENSIONS FROM ENDS OF GIRDERS

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

STEEL DIAPHRAGM LOCATIONS

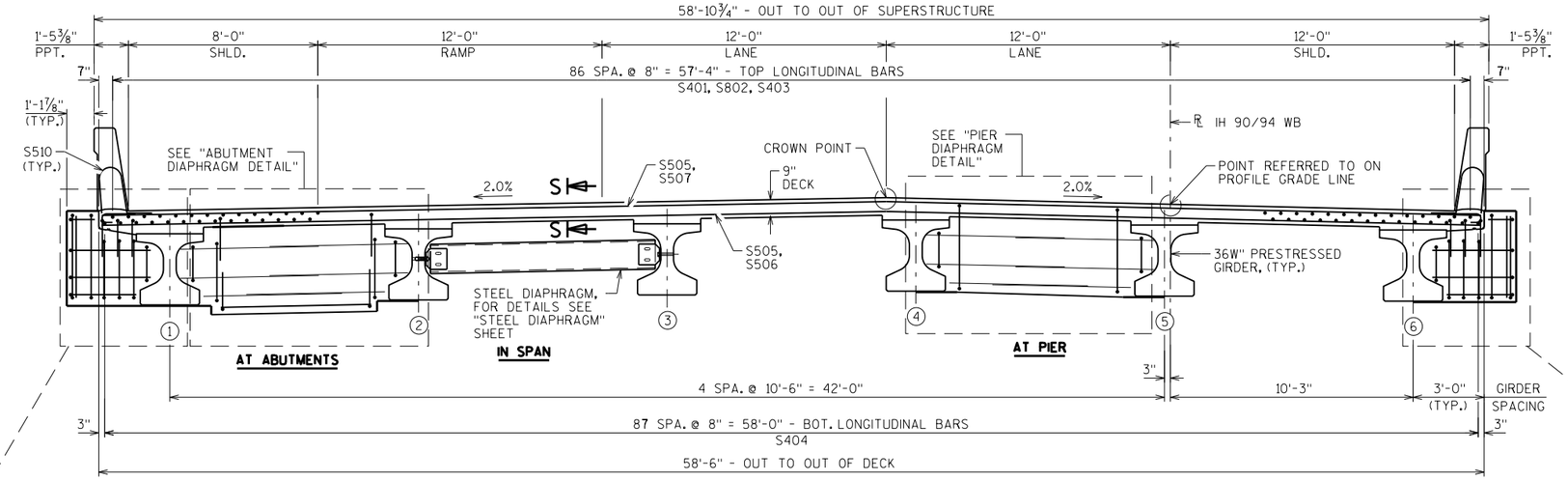
SHEET 15

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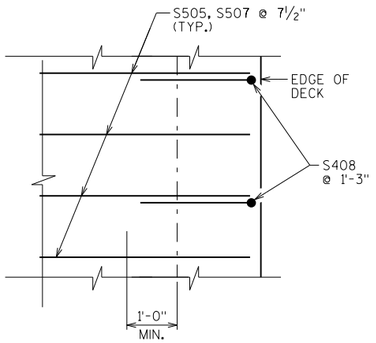
STATE PROJECT NUMBER

1016-05-70

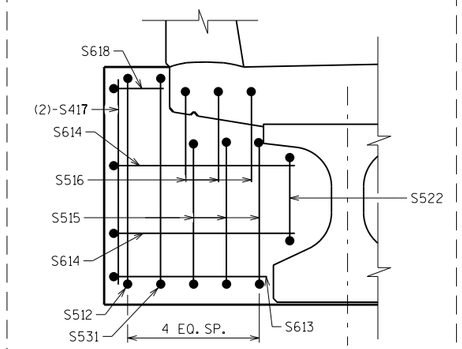


CROSS SECTION THRU ROADWAY

LOOKING UPSTATION

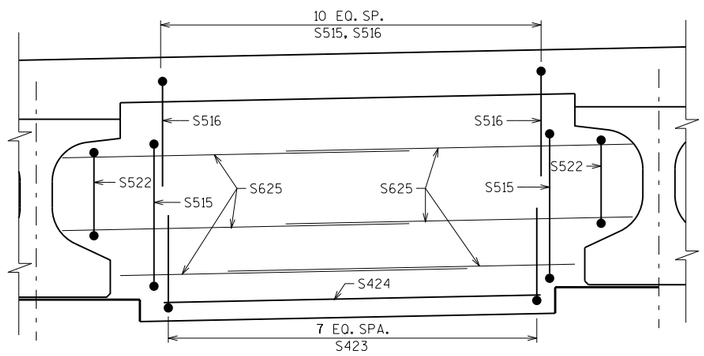


ADDITIONAL OVERHANG REINFORCEMENT DETAIL

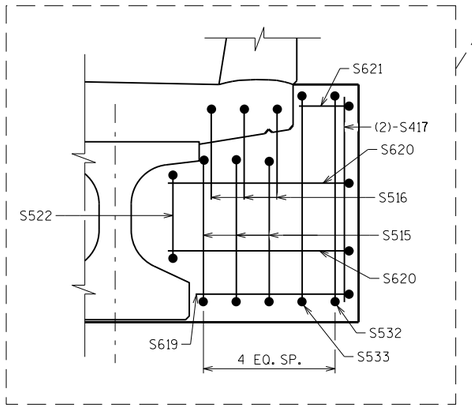


ABUTMENT END DIAPHRAGM DETAIL

(TYP. AT WINGS 1 & 3)

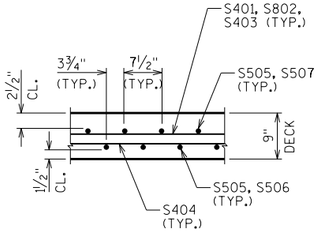


ABUTMENT DIAPHRAGM DETAIL

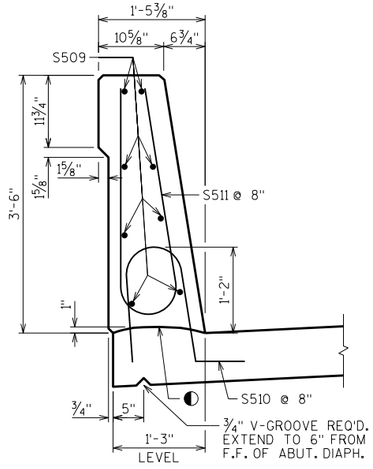


ABUTMENT END DIAPHRAGM DETAIL

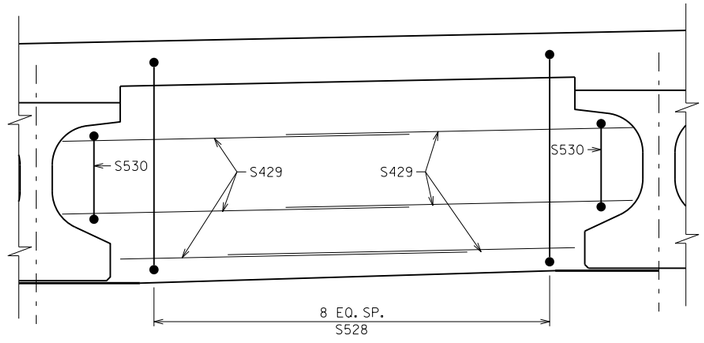
(TYP. AT WINGS 2 & 4)



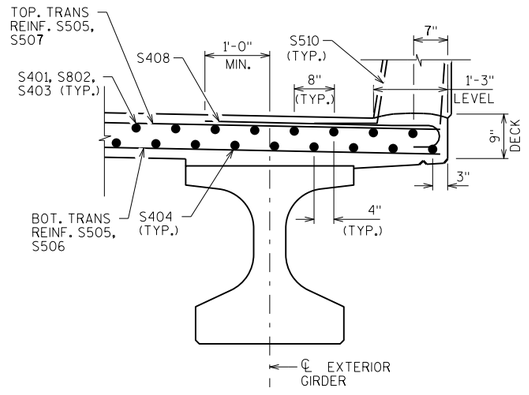
SECTION S-S



SECTION THRU PARAPET ON DECK



PIER DIAPHRAGM DETAIL



EDGE OF DECK DETAIL

(TYP. AT BOTH EDGES)

◯ INDICATES GIRDER NUMBER

◐ CONST. JOINT - STRIKE OFF AS SHOWN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

SUPERSTRUCTURE DETAILS 1

SHEET 16

990

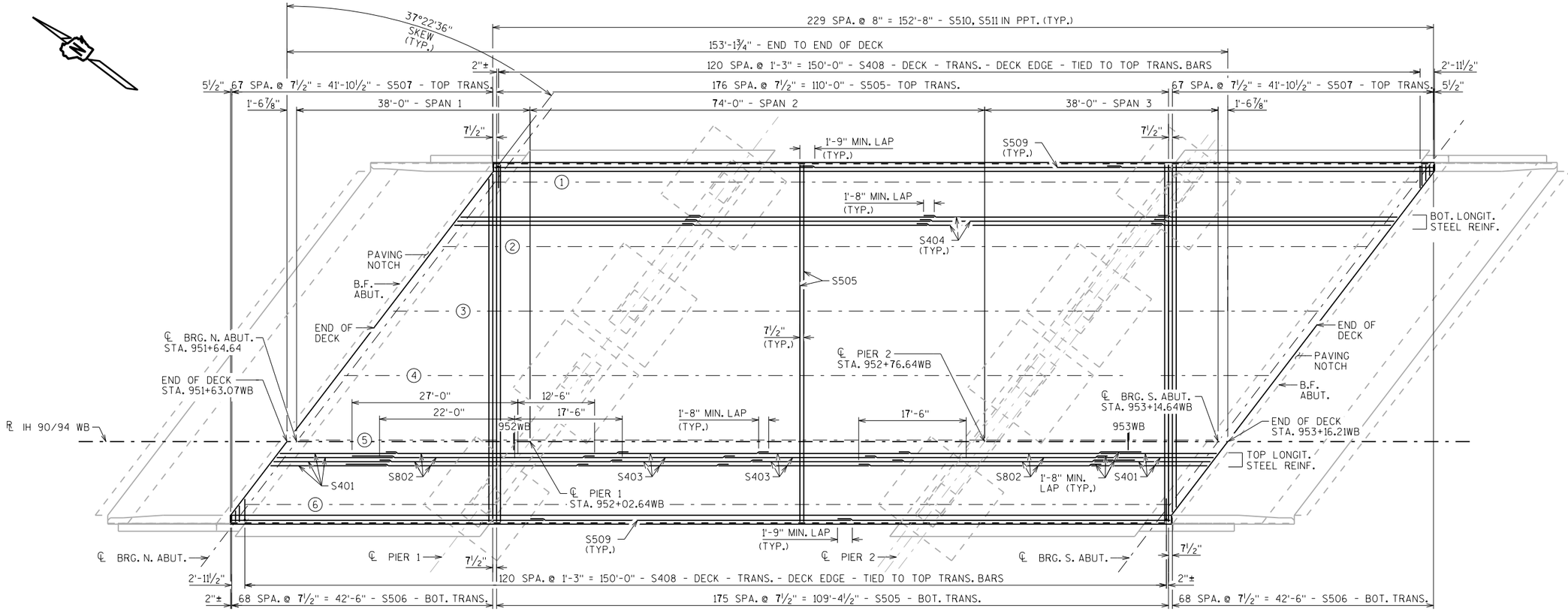
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STATE PROJECT NUMBER

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PLAN

TOP OF DECK ELEVATIONS

	SPAN 1										
	℄ N. ABUT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ PIER 1
E. EOD	903.78	903.81	903.84	903.87	903.90	903.93	903.96	903.99	904.02	904.05	904.08
GIRDER 1	903.80	903.83	903.86	903.89	903.92	903.95	903.98	904.01	904.04	904.07	904.10
GIRDER 2	903.94	903.97	904.00	904.03	904.07	904.10	904.13	904.16	904.19	904.22	904.25
GIRDER 3	904.08	904.11	904.15	904.18	904.21	904.24	904.27	904.30	904.33	904.36	904.39
CROWN PT.	904.20	904.24	904.27	904.30	904.33	904.37	904.40	904.43	904.46	904.49	904.52
GIRDER 4	904.17	904.20	904.24	904.27	904.30	904.33	904.37	904.40	904.43	904.46	904.49
GIRDER 5	903.89	903.92	903.96	903.99	904.02	904.06	904.09	904.12	904.15	904.18	904.22
GIRDER 6	903.61	903.64	903.67	903.71	903.74	903.78	903.81	903.84	903.87	903.91	903.94
W. EOD	903.55	903.58	903.62	903.65	903.69	903.72	903.75	903.79	903.82	903.85	903.88

	SPAN 2										
	℄ PIER 1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ PIER 2
E. EOD	904.08	904.14	904.19	904.24	904.30	904.35	904.40	904.45	904.49	904.54	904.58
GIRDER 1	904.10	904.15	904.21	904.26	904.31	904.37	904.42	904.47	904.51	904.56	904.61
GIRDER 2	904.25	904.30	904.36	904.41	904.47	904.52	904.57	904.62	904.67	904.72	904.77
GIRDER 3	904.39	904.45	904.51	904.57	904.62	904.67	904.73	904.78	904.83	904.88	904.93
CROWN PT.	904.52	904.58	904.64	904.70	904.75	904.81	904.86	904.91	904.96	905.02	905.06
GIRDER 4	904.49	904.55	904.61	904.66	904.72	904.78	904.83	904.88	904.93	904.98	905.03
GIRDER 5	904.22	904.28	904.34	904.39	904.45	904.51	904.56	904.61	904.67	904.72	904.77
GIRDER 6	903.94	904.00	904.06	904.12	904.18	904.24	904.29	904.35	904.40	904.45	904.50
W. EOD	903.88	903.95	904.01	904.07	904.13	904.18	904.24	904.29	904.35	904.40	904.45

	SPAN 3										
	℄ PIER 2	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ S. ABUT.
E. EOD	904.58	904.61	904.63	904.65	904.67	904.70	904.72	904.74	904.76	904.78	904.80
GIRDER 1	904.61	904.63	904.65	904.67	904.70	904.72	904.74	904.76	904.78	904.80	904.82
GIRDER 2	904.77	904.79	904.81	904.84	904.86	904.88	904.90	904.93	904.95	904.97	904.99
GIRDER 3	904.93	904.95	904.97	905.00	905.02	905.04	905.07	905.09	905.11	905.13	905.16
CROWN PT.	905.06	905.09	905.11	905.14	905.16	905.19	905.21	905.23	905.25	905.28	905.30
GIRDER 4	905.03	905.06	905.08	905.11	905.13	905.15	905.18	905.20	905.22	905.25	905.27
GIRDER 5	904.77	904.80	904.82	904.85	904.87	904.89	904.92	904.94	904.97	904.99	905.01
GIRDER 6	904.50	904.53	904.56	904.58	904.61	904.63	904.66	904.68	904.71	904.73	904.75
W. EOD	904.45	904.48	904.51	904.53	904.56	904.58	904.61	904.63	904.66	904.68	904.70

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

SUPERSTRUCTURE DETAILS 2

SHEET 17

991

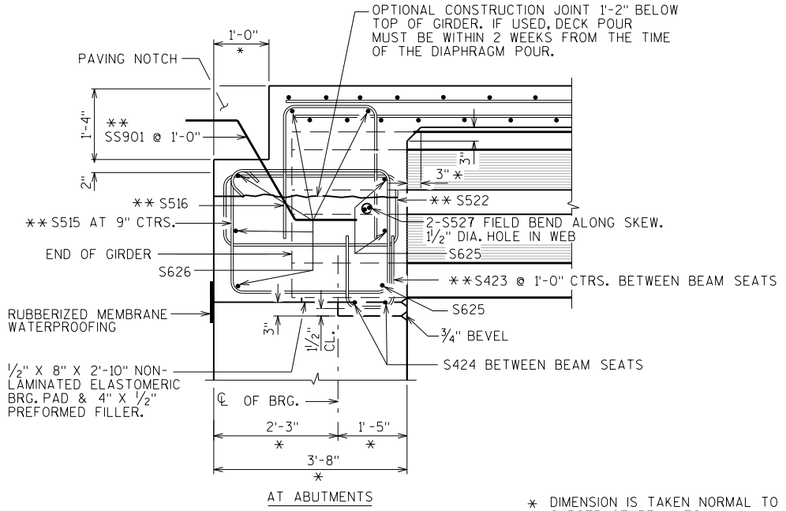
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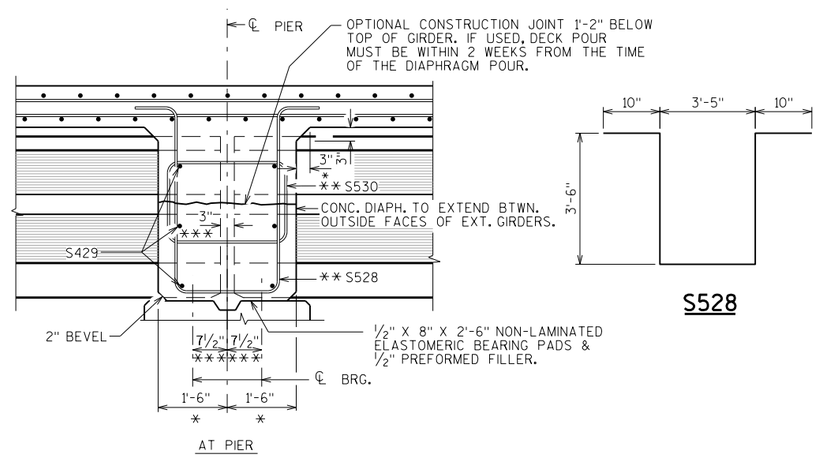
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8

STATE PROJECT NUMBER

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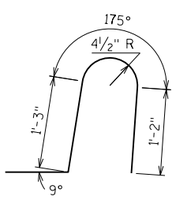
S528

PART LONGIT. SECTION

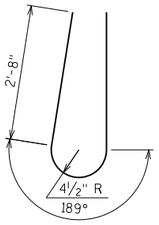
* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

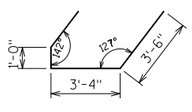
*** DIMENSION IS TAKEN PARALLEL TO ℄ GIRDERS



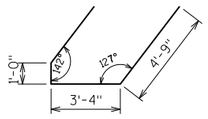
S510



S511



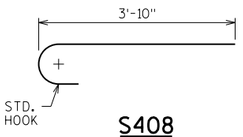
S613



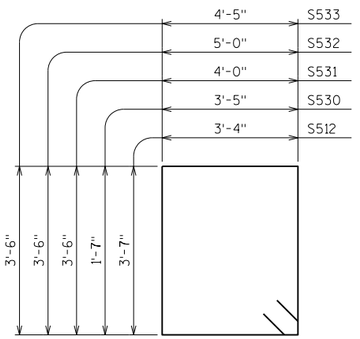
S614



S618



S408



S512, S530, S531, S532, S533

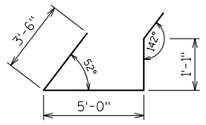
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

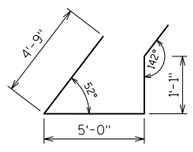
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	174	19'-1"			DECK - LONG. - TOP
S802	X	174	39'-6"			DECK - LONG. - TOP
S403	X	174	24'-6"			DECK - LONG. - TOP
S404	X	352	39'-11"			DECK - LONG. - BOT.
S505	X	353	58'-2"			DECK - TRANS. - TOP & BOT.
S506	X	138	28'-10"		▲	DECK - TRANS. - BOT.
S507	X	136	28'-10"		▲	DECK - TRANS. - TOP
S408	X	242	4'-4"	X		DECK - TRANS. - DECK EDGE
S509	X	48	52'-9"			PPT. - HORIZ.
S510	X	460	4'-5"	X		DECK/PARAPET - VERT.
S511	X	460	6'-8"	X		PPT. - VERT.
S512	X	2	14'-6"	X		ABUT. DIAPH. - ENDS - VERT. - WINGS 1& 3
S613	X	2	10'-5"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 1& 3
S614	X	4	11'-8"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 1& 3
S515	X	122	13'-10"	X		ABUT. DIAPH. - VERT.
S516	X	122	7'-1"	X		ABUT. DIAPH. - VERT.
S417	X	8	3'-7"			ABUT. DIAPH. - ENDS - VERT.
S618	X	2	5'-4"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 1& 3
S619	X	2	12'-2"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 2 & 4
S620	X	4	13'-5"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 2 & 4
S621	X	2	7'-1"	X		ABUT. DIAPH. - ENDS - HORIZ. - WINGS 2 & 4
S522	X	24	12'-4"	X		ABUT. DIAPH. - VERT.
S423	X	80	3'-3"	X		ABUT. DIAPH. - VERT. - BTWN. BEAM SEATS
S424	X	20	8'-5"			ABUT. DIAPH. - HORIZ. - BTWN. BEAM SEATS
S625	X	60	7'-3"			ABUT. DIAPH. - HORIZ.
S626	X	20	40'-0"			ABUT. DIAPH. - HORIZ.
S527	X	24	6'-0"			ABUT. DIAPH. - HORIZ. - THRU GIR.
S528	X	90	11'-7"	X		PIER. DIAPH. - VERT.
S429	X	120	6'-10"			PIER. DIAPH. - HORIZ.
S530	X	20	10'-8"	X		PIER. DIAPH. - VERT.
S531	X	2	15'-8"	X		ABUT. DIAPH. - ENDS - VERT. - WINGS 1& 3
S532	X	2	17'-8"	X		ABUT. DIAPH. - ENDS - VERT. - WINGS 2 & 4
S533	X	2	16'-6"	X		ABUT. DIAPH. - ENDS - VERT. - WINGS 2 & 4

▲ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

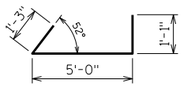
STAINLESS STEEL →						
SS901		120	5'-0"	X		ABUT. DIAPH.-PAVING NOTCH



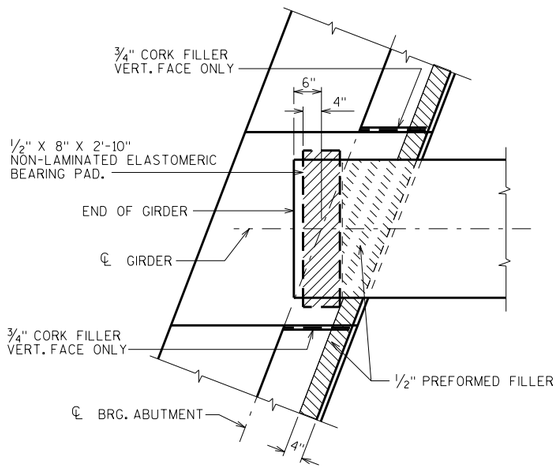
S619



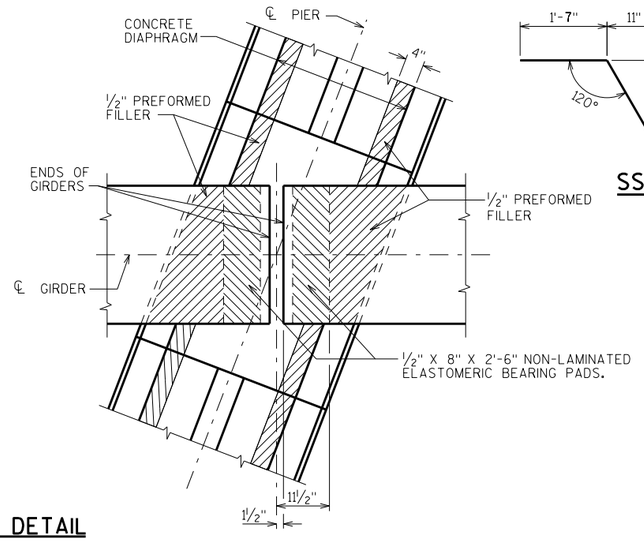
S620

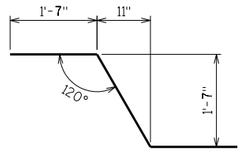


S621



BEARING PAD DETAIL



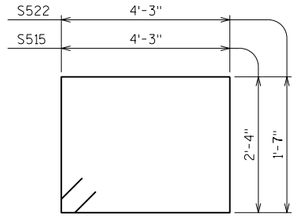


SS901

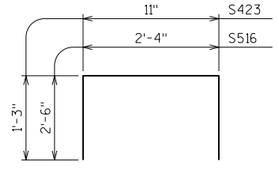
BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
S506	2 SERIES OF 69	1'-0" TO 56'-7"
S507	2 SERIES OF 68	1'-5" TO 56'-3"

BUNDLE AND TAG EACH SERIES SEPARATELY.



S515, S522



S516, S423

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

SUPERSTRUCTURE DETAILS 3

SHEET 18

992

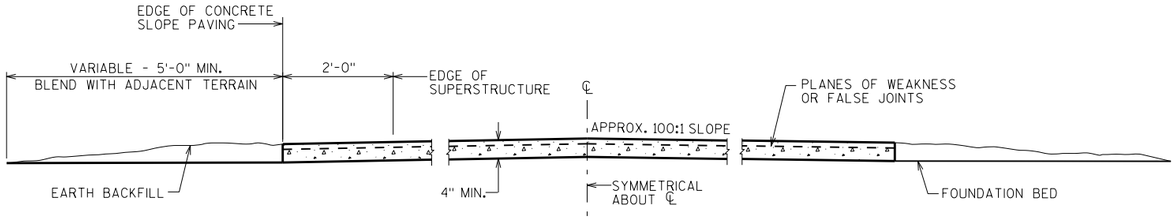
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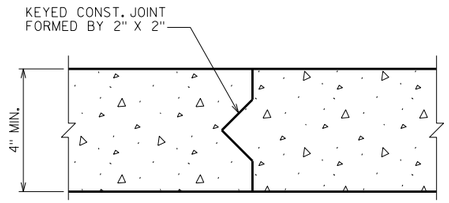
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STATE PROJECT NUMBER

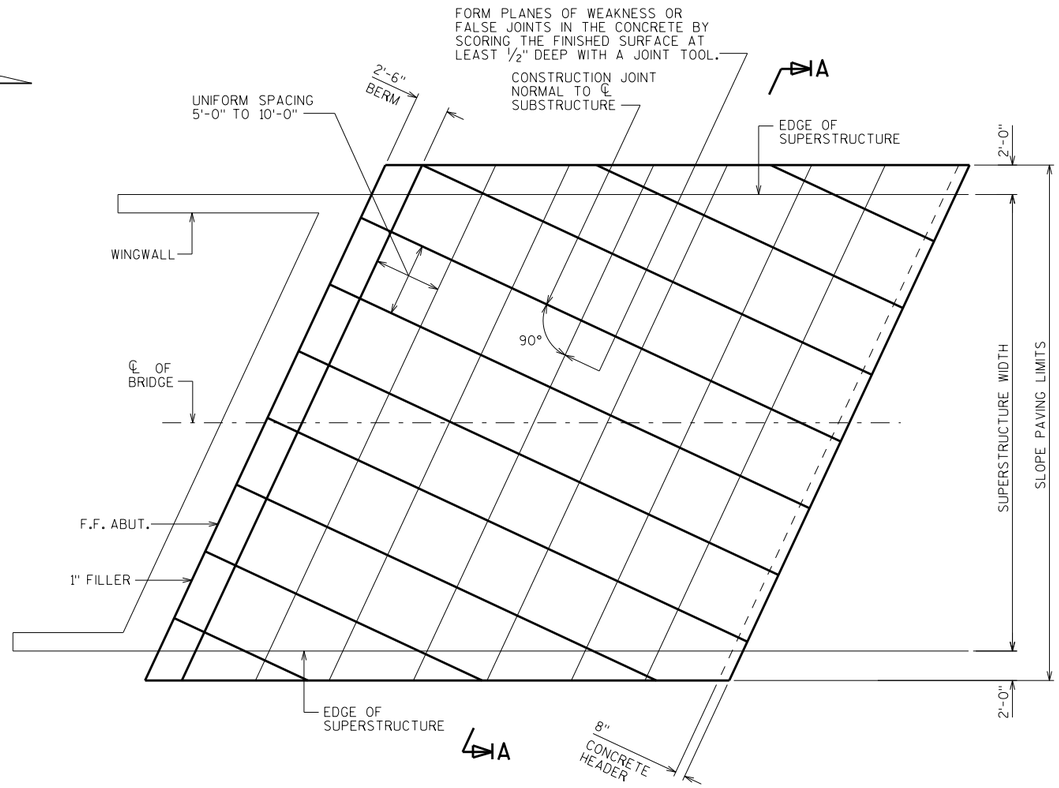
1016-05-70



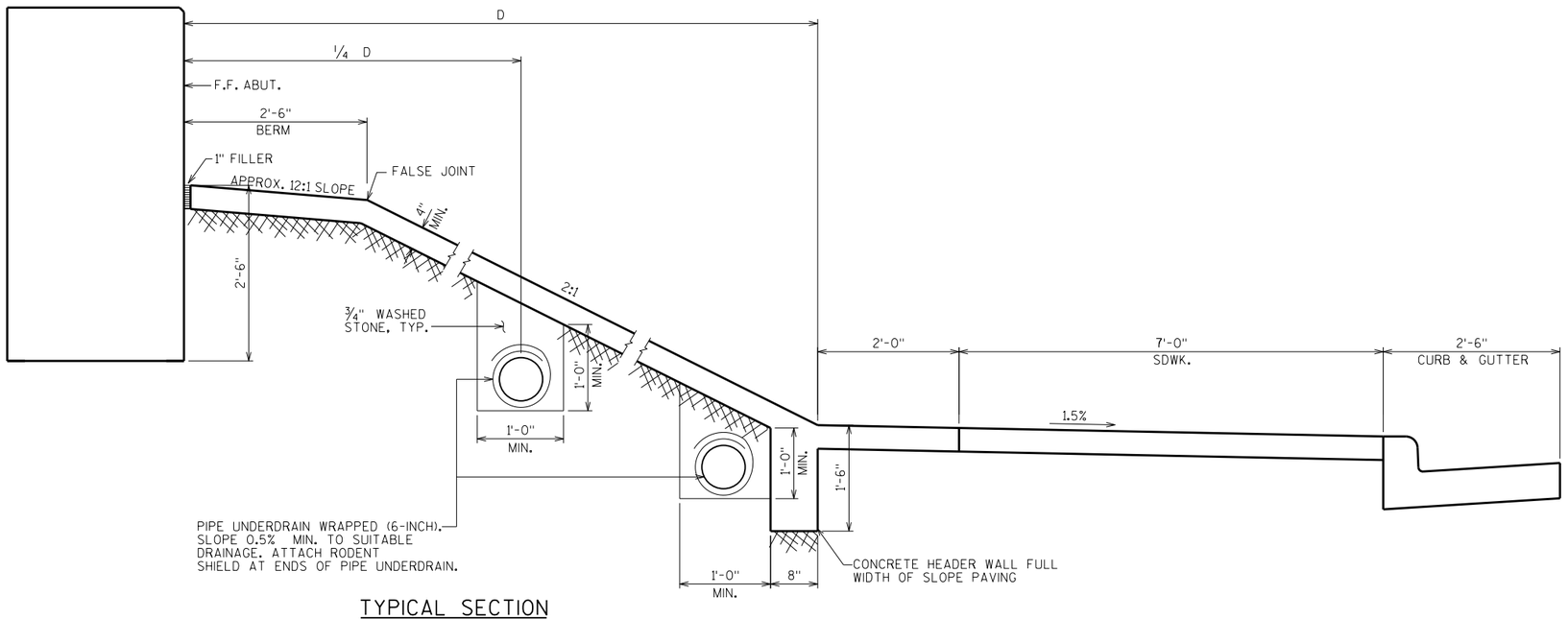
SECTION A-A



CONSTRUCTION JOINT



PLAN



TYPICAL SECTION

NOTE

BID ITEMS SHALL BE "SLOPE PAVING CONCRETE" AND "PIPE UNDERDRAIN WRAPPED 6-INCH"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

SLOPE PAVING (CONCRETE CAST-IN-PLACE)

SHEET 19

993

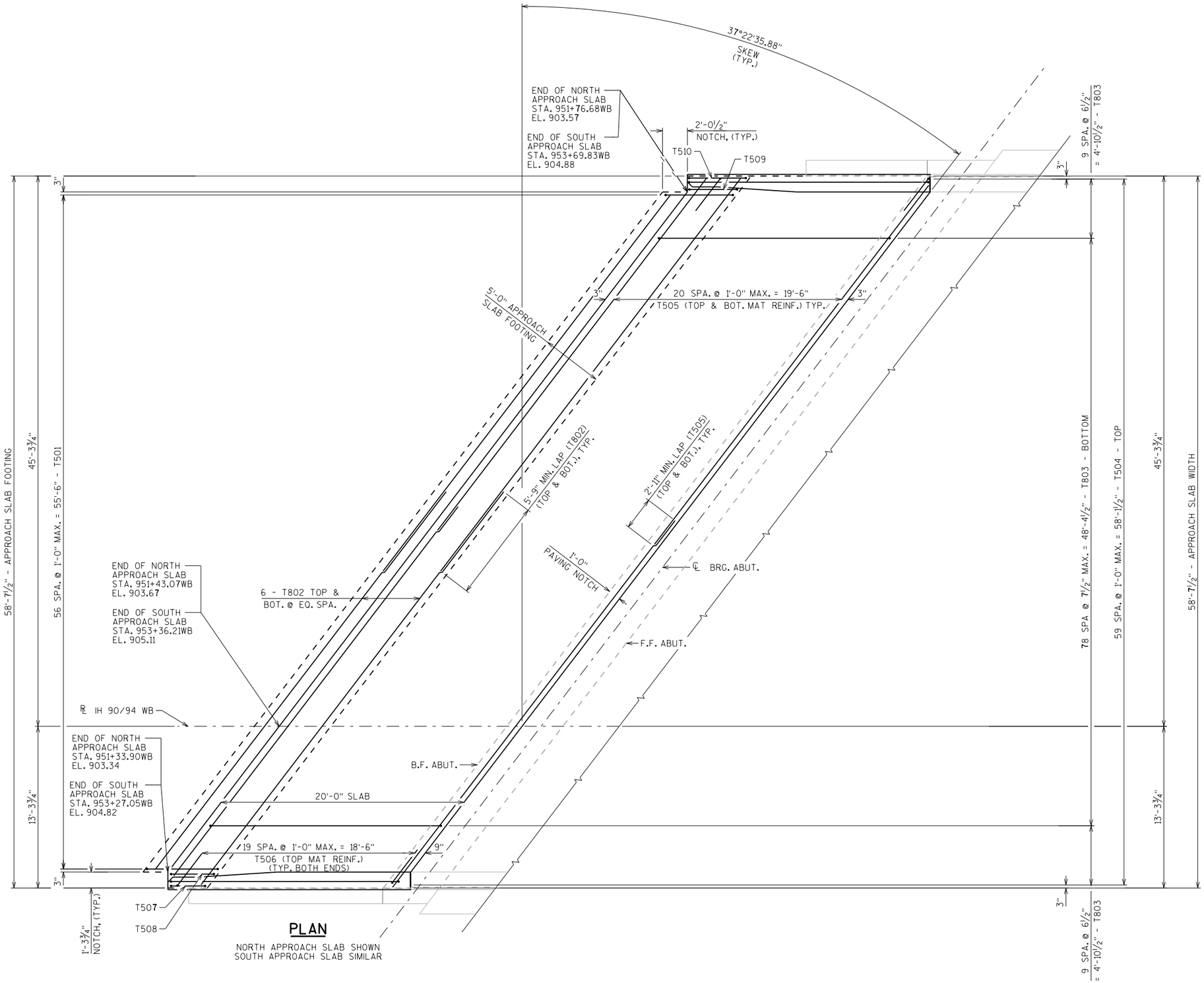
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8

STATE PROJECT NUMBER

1016-05-70



PLAN

NORTH APPROACH SLAB SHOWN
SOUTH APPROACH SLAB SIMILAR

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

STRUCTURAL APPROACH SLAB

SHEET 20

994

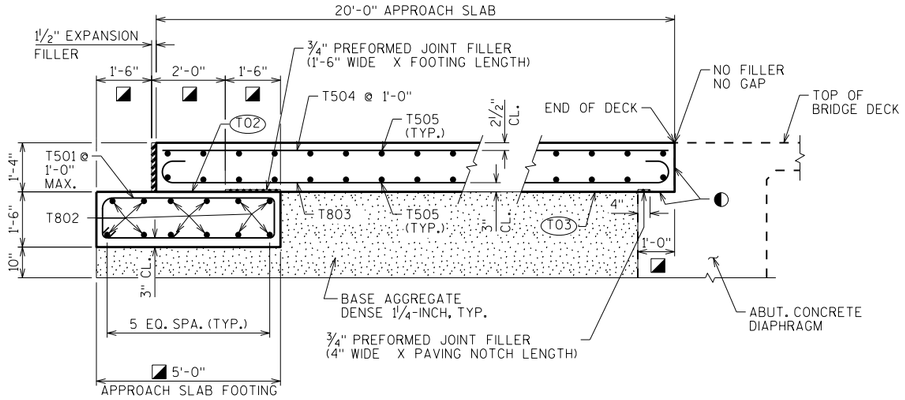
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STATE PROJECT NUMBER

1016-05-70

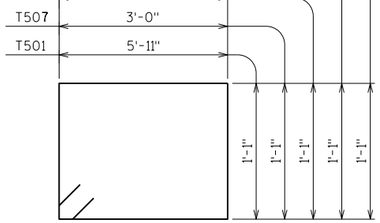


SECTION THRU APPROACH SLAB

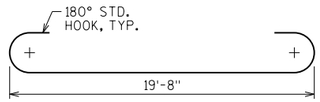
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

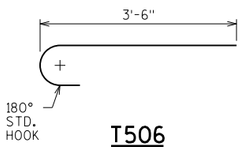
BAR MARK	COAT	NO. REQ'D. NORTH	NO. REQ'D. SOUTH	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	57	57	14'-8"	X		FOOTING - STIRRUP
T802	X	24	24	39'-8"			FOOTING - HORIZ.
T803	X	97	97	21'-6"	X		APP. SLAB - BOTTOM - LONGITUDINAL
T504	X	60	60	19'-8"			APP. SLAB - TOP - LONGITUDINAL
T505	X	84	84	38'-3"			APP. SLAB - TOP & BOT. TRANSVERSE
T506	X	40	40	4'-1"	X		APP. SLAB - TRANSVERSE - EDGES
T507	X	1	1	8'-10"	X		FOOTING- NOTCHES - WINGS 1& 3
T508	X	1	1	10'-2"	X		FOOTING- NOTCHES - WINGS 1& 3
T509	X	1	1	11'-0"	X		FOOTING- NOTCHES - WINGS 2 & 4
T510	X	1	1	12'-2"	X		FOOTING- NOTCHES - WINGS 2 & 4



T501, T507, T508, T509, T510



T803



T506

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE SUBGRADE BENEATH SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

STRUCTURAL APPROACH SLAB DETAILS

SHEET 21

995

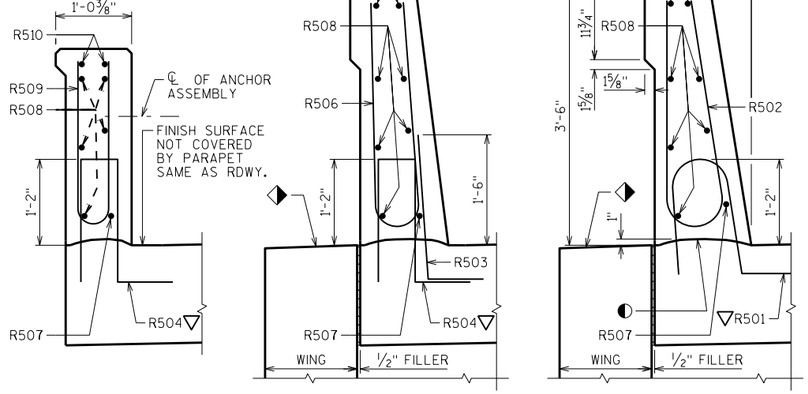
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STATE PROJECT NUMBER

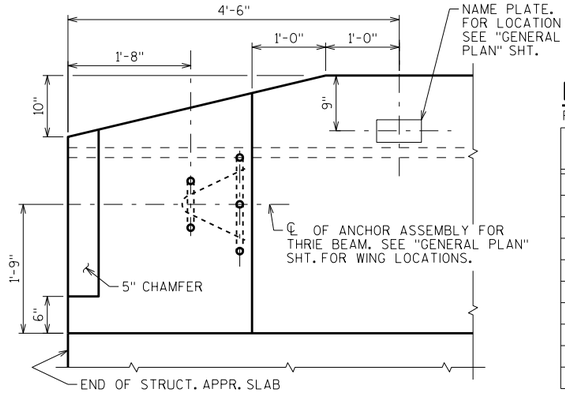
1016-05-70



SECTION A-A

SECTION B-B

SECTION C-C



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

BILL OF BARS

FOR ABUTMENT PARAPETS

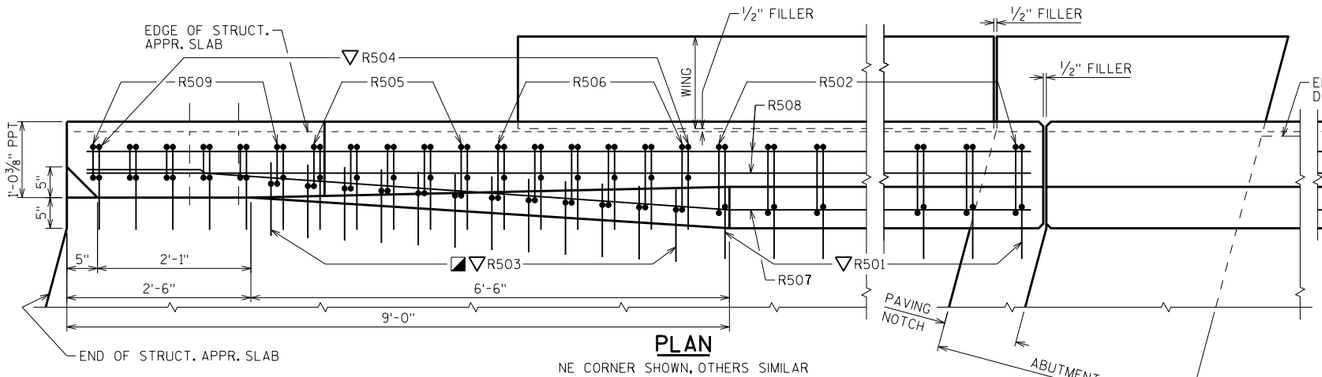
BAR MARK	COAT	NORTH APPR.	SOUTH APPR.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	36	36	4'-5"	X		PARAPET VERT.
R502	X	36	36	6'-8"	X		PARAPET VERT.
R503	X	24	24	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	10	10	6'-5"	X		PARAPET VERT.
R506	X	12	12	6'-6"	X		PARAPET VERT.
R507	X	2	2	19'-8"	X		PARAPET HORIZ.
R508	X	10	10	19'-8"			PARAPET HORIZ.
R509	X	12	12	5'-5"	X	◭	PARAPET VERT.
R510	X	4	4	19'-8"	X		PARAPET HORIZ.

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

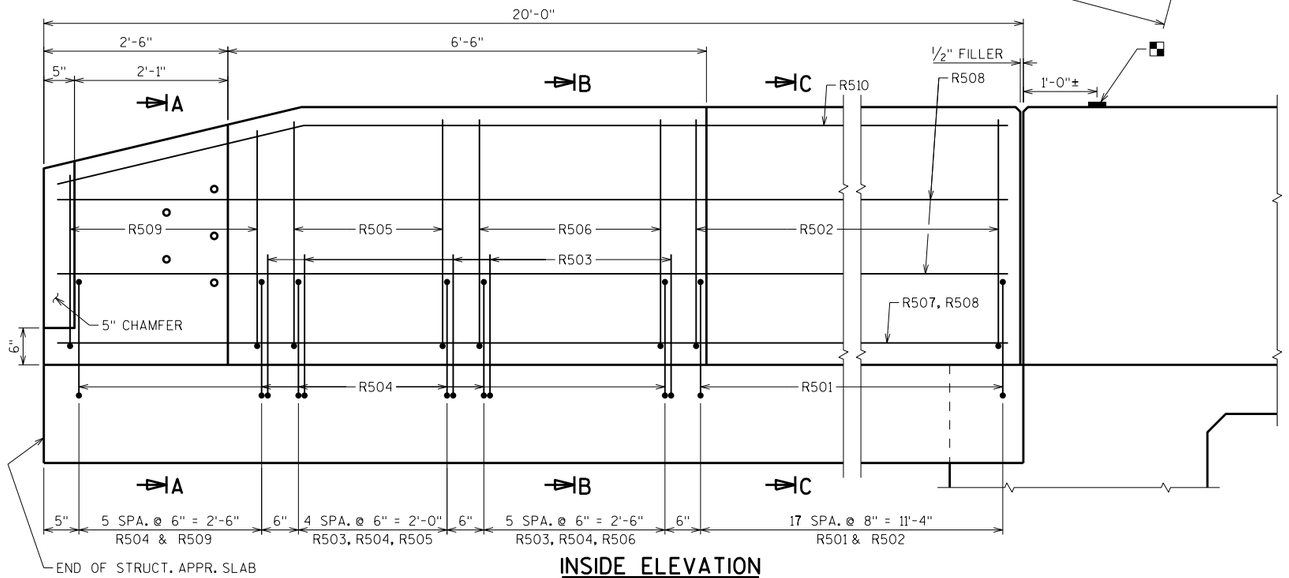
BAR MARK	NO. REQ'D	LENGTH
R509	4 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.



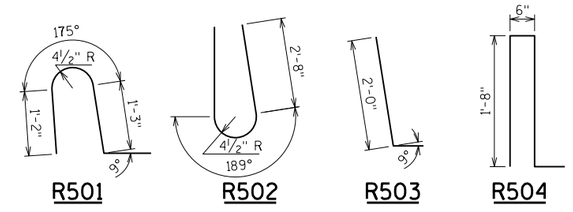
PLAN

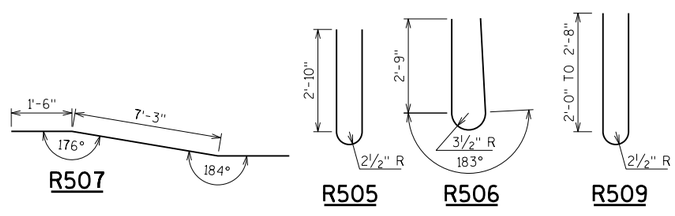
NE CORNER SHOWN, OTHERS SIMILAR



INSIDE ELEVATION

NE CORNER SHOWN, OTHERS SIMILAR
WING & STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY





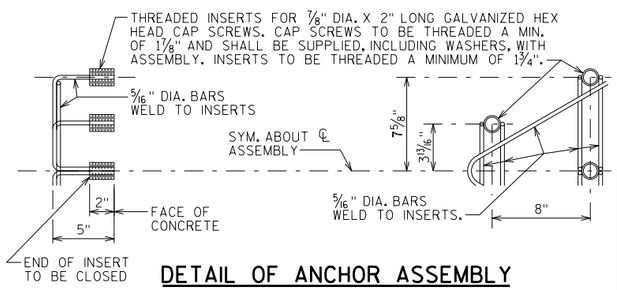
■ BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.

◐ CONST. JOINT - STRIKE OFF AS SHOWN

◆ SLOPE FOR DRAINAGE

◪ USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

SINGLE SLOPE PARAPET 42SS

SHEET 22

996

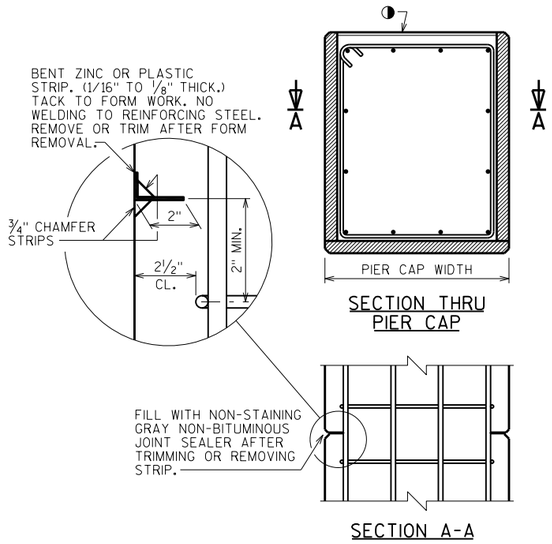
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STATE PROJECT NUMBER

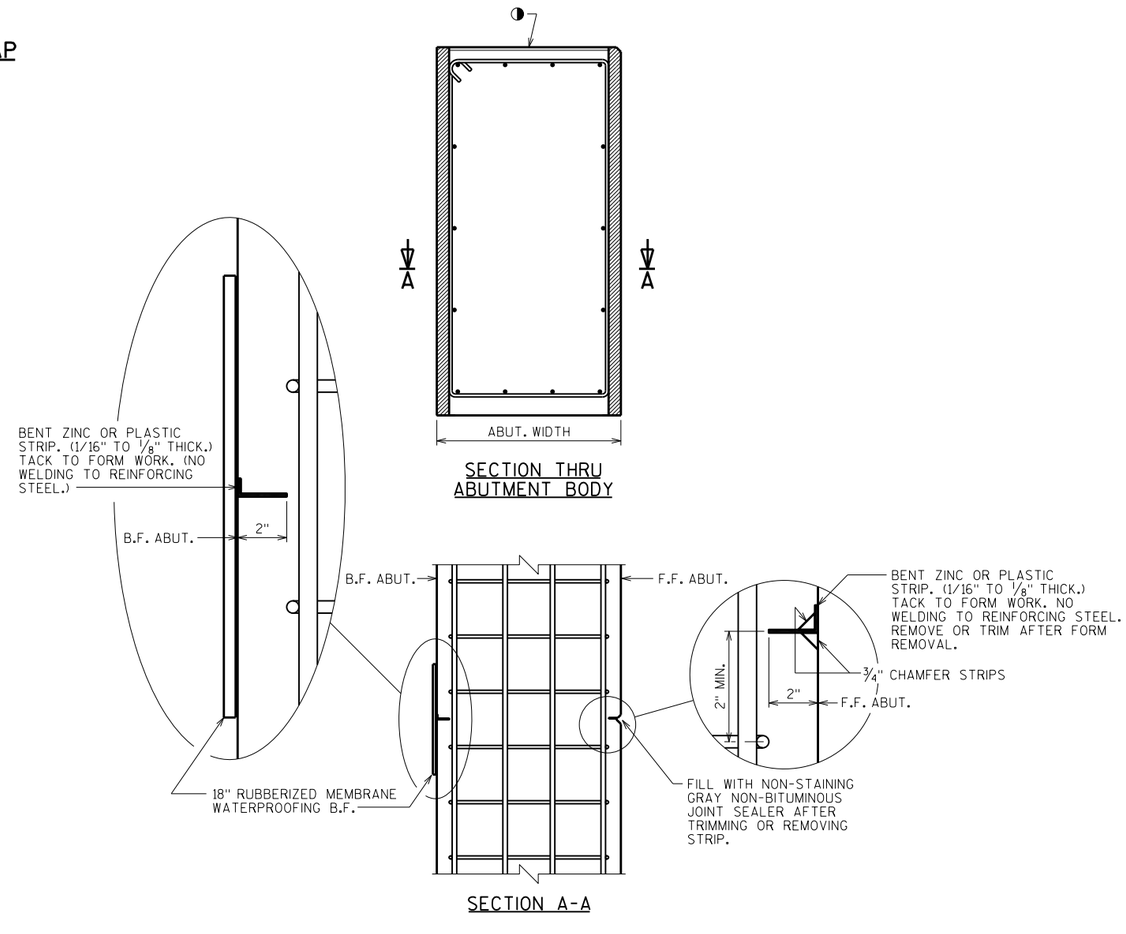
1016-05-70



SECTION THRU PIER CAP

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT PIER CAP



SECTION THRU ABUTMENT BODY

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-29-157

DRAWN BY MJH | PLANS CK'D. JLR

ALTERNATE CONSTRUCTION JOINT

SHEET 23

997

SCALE = 1.00

8

8

STAGE 2A CATEGORY 0010

STAGE 2A - EB IH 90/94

STATION	REAL STATION	DISTANCE	AREA (SF)			NCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
947+02.97	94702.97	0.00	0.00		1.60	0	0	0	0	0	0
948+00	94800.00	97.03	0.00	0.00	1.04	0	0	5	0	6	-6
948+10.794	94810.79	10.79	0.00	0.00	1.00	0	0	0	0	6	-6
948+35.794	94835.79	25.00	0.00	0.00	0.87	0	0	1	0	8	-8
948+60.794	94860.79	25.00	0.00	0.00	0.70	0	0	1	0	9	-9
949+00	94900.00	39.21	0.00	0.00	13.16	0	0	10	0	21	-21
949+50	94950.00	50.00	0.00	0.00	24.16	0	0	35	0	65	-65
950+00	95000.00	50.00	0.00	0.00	0.25	0	0	23	0	94	-94
950+94.209	95094.21	94.21	0.00	0.00	121.80	0	0	213	0	360	-360
952+63.04	95263.04	0.00	56.51	26.00	0.00	0	0	0	0	360	-360
953+00	95300.00	36.96	67.07	26.00	0.00	85	36	0	85	360	-311
953+11.813	95311.81	11.81	67.22	26.00	0.00	29	11	0	114	360	-293
954+00	95400.00	88.19	69.33	26.00	0.02	223	85	0	337	360	-155
955+00	95500.00	100.00	65.73	26.00	0.87	250	96	2	587	363	-4
955+23.729	95523.73	23.73	72.46	26.00	0.96	61	23	1	648	364	33
956+00	95600.00	76.27	77.11	26.00	245.56	211	73	348	859	799	-264
957+00	95700.00	100.00	79.26	26.00	134.49	290	96	704	1,149	1,679	-950
958+00	95800.00	100.00	83.67	26.00	131.92	302	96	493	1,451	2,295	-1,360
958+44.222	95844.22	44.22	81.89	26.00	112.34	136	43	200	1,587	2,545	-1,517
959+00	95900.00	55.78	77.59	26.00	70.71	165	54	189	1,752	2,781	-1,642
960+00	96000.00	100.00	76.97	26.00	60.47	286	96	243	2,038	3,085	-1,756
961+00	96100.00	100.00	73.99	26.00	94.20	280	96	286	2,318	3,443	-1,930
962+00	96200.00	100.00	67.61	26.00	88.31	262	96	338	2,580	3,865	-2,186
963+00	96300.00	100.00	57.68	26.00	58.33	232	96	272	2,812	4,205	-2,390
963+50	96350.00	50.00	74.60	26.00	27.32	122	48	79	2,934	4,304	-2,415
963+99.947	96399.95	49.95	95.83	26.00	9.99	158	48	35	3,092	4,348	-2,349
964+00	96400.00	0.05	32.07	26.00	0.00	0	0	0	3,092	4,348	-2,349
965+00	96500.00	100.00	33.74	26.00	0.00	122	96	0	3,214	4,348	-2,323
966+00	96600.00	100.00	32.29	26.00	0.00	122	96	0	3,336	4,348	-2,297
967+00	96700.00	100.00	33.64	26.00	0.00	122	96	0	3,458	4,348	-2,271
968+00	96800.00	100.00	34.28	26.00	0.00	126	96	0	3,584	4,348	-2,241
969+00	96900.00	100.00	38.32	26.00	0.00	134	96	0	3,718	4,348	-2,203
969+62.393	96962.39	62.39	43.14	26.00	0.00	94	60	0	3,812	4,348	-2,169
975+00	97500.00	0.00	49.42	26.00	5.14	0	0	0	3,812	4,348	-2,169
975+61.889	97561.89	61.89	41.45	26.00	20.55	104	60	29	3,916	4,384	-2,161
975+86.938	97586.94	25.05	40.75	26.00	37.29	38	24	27	3,954	4,418	-2,181
976+00	97600.00	13.06	38.58	26.00	22.09	19	13	14	3,973	4,435	-2,192
976+11.165	97611.16	11.16	37.07	26.00	7.11	16	11	6	3,989	4,443	-2,195
977+00	97700.00	88.84	49.82	26.00	105.38	143	86	185	4,132	4,674	-2,369
978+00	97800.00	100.00	38.31	26.00	194.59	163	96	556	4,295	5,369	-2,997
979+00	97900.00	100.00	27.79	26.00	321.68	122	96	956	4,417	6,564	-4,166
979+35.824	97935.82	35.82	26.33	26.00	385.85	36	34	469	4,453	7,150	-4,750
979+60.844	97960.84	25.02	26.00	26.00	407.31	24	24	368	4,477	7,610	-5,210
979+85.863	97985.86	25.02	26.00	26.00	446.78	24	24	396	4,501	8,105	-5,705
980+00	98000.00	14.14	26.00	26.00	461.47	14	14	238	4,515	8,403	-6,003
981+00	98100.00	100.00	26.00	26.00	546.93	96	96	1,867	4,611	10,736	-8,336
981+50	98150.00	50.00	26.00	26.00	534.56	48	48	1,001	4,659	11,988	-9,588
982+00	98200.00	50.00	26.00	26.00	513.76	48	48	971	4,707	13,201	-10,801
984+49.707	98449.71	0.00	26.13	26.00	439.40	0	0	0	4,707	13,201	-10,801
984+74.12	98474.12	24.41	26.67	26.00	584.00	24	24	463	4,731	13,780	-11,380
985+00	98500.00	25.88	32.37	26.00	632.38	28	25	583	4,759	14,509	-12,106
985+50	98550.00	50.00	32.85	26.00	583.13	60	48	1,125	4,819	15,915	-13,500
986+00	98600.00	50.00	26.00	26.00	519.87	54	48	1,021	4,873	17,191	-14,770
987+00	98700.00	100.00	26.00	26.00	390.67	96	96	1,686	4,969	19,299	-16,878
988+00	98800.00	100.00	26.00	26.00	310.03	96	96	1,298	5,065	20,921	-18,500
989+00	98900.00	100.00	28.49	26.00	96.24	101	96	752	5,166	21,861	-19,435
994+40.125	99440.12	0.00	139.84	43.91	0.00	0	0	0	5,166	21,861	-19,435
995+00	99500.00	59.88	116.10	42.80	0.00	284	96	0	5,450	21,861	-19,247
996+00	99600.00	100.00	92.25	40.96	0.00	386	155	0	5,836	21,861	-19,016
996+80.514	99680.51	80.51	80.44	39.30	23.59	257	120	35	6,093	21,905	-18,923
997+00	99700.00	19.49	86.07	38.88	5.19	60	28	10	6,153	21,918	-18,904
998+00	99800.00	100.00	67.01	37.00	14.14	283	141	36	6,436	21,963	-18,807
999+00	99900.00	100.00	77.74	34.95	5.85	268	133	37	6,704	22,009	-18,718
1000+00	100000.00	100.00	72.01	32.96	5.04	277	126	20	6,981	22,034	-18,592
1000+27.971	100027.97	27.97	65.62	32.52	4.91	71	34	5	7,052	22,040	-18,561
1001+00	100100.00	72.03	67.36	31.18	7.22	177	85	16	7,229	22,060	-18,489
1002+00	100200.00	100.00	102.84	29.31	13.72	315	112	39	7,544	22,109	-18,335
1002+28.654	100228.65	28.65	76.54	28.73	32.04	95	31	24	7,639	22,139	-18,301
1003+00	100300.00	71.35	58.34	27.10	11.94	178	74	58	7,817	22,211	-18,269
1004+00	100400.00	100.00	54.44	25.89	8.59	209	98	38	8,026	22,259	-18,206
1005+00	100500.00	100.00	45.31	25.15	12.48	185	95	39	8,211	22,308	-18,165
1006+00	100600.00	100.00	49.43	24.70	16.90	175	92	54	8,386	22,375	-18,149
1007+00	100700.00	100.00	44.59	21.54	109.43	174	86	234	8,560	22,668	-18,354
1007+07.947	100707.95	7.95	43.57	21.34	123.91	13	6	34	8,573	22,710	-18,389
1007+32.996	100733.00	25.05	36.94	20.68	133.60	37	19	119	8,610	22,859	-18,520
1007+58.043	100758.04	25.05	32.00	19.97	38.10	32	19	80	8,642	22,959	-18,607
1008+00	100800.00	41.96	31.34	18.71	65.67	49	30	81	8,691	23,060	-18,689
1009+00	100900.00	100.00	60.59	21.09	109.72	170	74	325	8,861	23,466	-18,999
1010+00	101000.00	100.00	107.89	25.37	121.76	312	86	429	9,173	24,003	-19,310
1010+16.612	101016.61	16.61	104.69	26.00	122.35	65	16	75	9,238	24,096	-19,354
1010+41.632	101041.63	25.02	92.39	26.00	124.79	91	24	115	9,329	24,240	-19,431
1010+66.651	101066.65	25.02	77.90	26.00	134.03	79	24	120	9,408	24,390	-19,526
1011+00	101100.00	33.35	78.91	26.00	141.15	97	32	170	9,505	24,603	-19,674
1011+50	101150.00	50.00	117.64	26.00	143.79	182	48	264	9,687	24,933	-19,870
1011+97.09	101197.09	47.09	102.13	26.00	136.06	192	45	244	9,879	25,238	-20,028
1014+62.46	101462.46	0.00	30.34	26.00	160.37	0	0	0	9,879	25,238	-20,028
1015+00	101500.00	37.54	29.28	26.00	191.56	41	36	245	9,920	25,544	-20,329
1016+00	101600.00	100.00	19.56	26.00	249.13	90	96	816	10,010	26,564	-21,355
1017+00	101700.00	100.00	26.76	26.00	226.09	86	96	880	10,096	27,664	-22,465
1018+00	101800.00	100.00	35.73	26.00	135.45	116	96	670	10,212	28,501	-23,282
1019+00	101900.00	100.00	46.83	26.00	78.79	153	96	397	10,365	28,998	-23,722
1020+00	102000.00	100.00	51.23	26.00	85.40	182	96	304	10,547	29,378	-24,016
1021+00	102100.00	100.00	52.68	26.00	85.24	192	96	316	10,739	29,773	-24,315
1022+00	102200.00	100.00	51.80	26.00	91.33	193	96	327	10,932	30,181	-24,626
1023+00	102300.00	100.00	42.96	26.00	72.14	175	96	303	11,107	30,560	-24,926
1024+00	102400.00	100.00	49.68	26.00	141.74	172	96	396	11,279	31,055	-25,345
1025+00	102500.00	100.00	39.60	26.00	65.44	165	96	384	11,444	31,535	-25,756
1026+00	102600.00	100.00	42.10	26.00	52.67	151	96	219	11,595	31,809	-25,975

CONTINUED ON NEXT PAGE

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 2A - EB IH 90/94

CONTINUED FROM PREVIOUS PAGE

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1027+00	102700.00	100.00	46.80	26.00	14.83	164	96	125	11,759	31,963	-26,065
1027+08.5	102708.50	8.50	47.06	26.00	12.58	15	8	4	11,774	31,970	-26,061
1028+00	102800.00	91.50	44.94	26.00	24.26	156	88	62	11,930	32,048	-26,071
1028+29.44	102829.44	29.44	44.76	26.00	24.64	49	28	27	11,979	32,081	-26,083
1029+00	102900.00	70.56	46.80	26.00	22.31	120	68	61	12,099	32,158	-26,108
1030+00	103000.00	100.00	43.89	26.00	19.56	168	96	78	12,267	32,255	-26,133
1030+01.05	103001.05	1.05	43.92	26.00	19.48	2	1	1	12,269	32,256	-26,133
						12,269		25,805			

STAGE 2A - EB OFF RAMP XOVER X3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
20+25.357	2025.36	0.00	0.68	0.00	0.00	0	0	0	0	0	0
20+50	2050.00	24.64	6.29	0.00	0.03	3	0	0	3	0	3
21+00	2100.00	50.00	7.87	0.00	0.00	13	0	0	16	0	16
21+50	2150.00	50.00	8.84	0.00	0.00	15	0	0	31	0	31
22+00	2200.00	50.00	15.74	0.00	0.00	23	0	0	54	0	54
22+50	2250.00	50.00	14.13	0.00	0.07	28	0	0	82	0	82
23+00	2300.00	50.00	13.11	0.00	0.36	25	0	0	107	0	107
23+50	2350.00	50.00	12.40	0.00	0.85	24	0	1	131	1	130
24+00	2400.00	50.00	12.98	0.00	0.54	24	0	1	155	3	153
24+50	2450.00	50.00	12.80	0.00	0.20	24	0	1	179	4	175
25+00	2500.00	50.00	13.61	0.00	0.01	24	0	0	203	4	199
25+50	2550.00	50.00	14.70	0.00	0.00	26	0	0	229	4	225
26+00	2600.00	50.00	22.57	0.00	0.00	35	0	0	264	4	260
26+50	2650.00	50.00	26.67	0.00	0.00	46	0	0	310	4	306
						310		3			

STAGE 2A- EB OFF RAMP 'C'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
964+00	96400.00	0.00	63.80	2.00	9.97	0	0	0	0	0	0
965+00	96500.00	100.00	94.61	2.00	0.00	293	7	18	293	23	264
965+67.738	96567.74	67.74	96.11	3.89	0.63	239	7	1	532	24	494
965+92.8	96592.80	25.06	84.57	3.76	1.35	84	4	1	616	25	573
966+00	96600.00	7.20	52.70	3.70	1.58	18	1	0	634	25	590
966+17.854	96617.85	17.85	27.57	3.61	1.94	27	2	1	661	26	614
967+00	96700.00	82.15	29.87	4.77	6.27	87	13	12	748	41	673
967+46.586	96746.59	46.59	31.70	5.56	6.46	53	9	11	801	55	703
967+71.092	96771.09	24.51	41.06	5.91	6.54	33	5	6	834	63	724
968+00	96800.00	28.91	128.81	6.42	7.08	91	7	7	925	71	799
969+00	96900.00	100.00	211.47	8.09	10.76	630	27	33	1,555	113	1,361
969+59.504	96959.50	59.50	242.70	9.09	13.80	500	19	27	2,055	146	1,808
969+60.65	96960.65	1.15	215.86	0.19	15.48	10	0	1	2,065	148	1,817
970+00	97000.00	39.35	205.43	0.00	19.67	307	0	26	2,372	180	2,091
971+00	97100.00	100.00	100.11	0.00	25.49	566	0	84	2,938	285	2,552
972+00	97200.00	100.00	53.20	0.00	18.99	284	0	82	3,222	388	2,734
972+73.01	97273.01	73.01	40.71	0.00	7.88	127	0	36	3,349	433	2,816
972+98.086	97298.09	25.08	47.36	0.00	6.19	41	0	7	3,390	441	2,848
973+00	97300.00	1.91	45.50	0.00	6.05	3	0	0	3,393	441	2,851
973+23.155	97323.16	23.16	38.99	0.00	5.54	36	0	5	3,429	448	2,881
973+50	97350.00	26.84	49.97	13.36	3.09	44	7	4	3,473	453	2,913
973+93.28	97393.28	43.28	78.49	4.93	0.05	103	15	3	3,576	456	2,997
974+00	97400.00	6.72	81.78	5.45	0.00	20	1	0	3,596	456	3,016
974+14.075	97414.08	14.08	89.32	5.92	0.00	45	3	0	3,641	456	3,058
975+00	97500.00	85.92	115.61	13.33	0.03	326	31	0	3,967	456	3,353
976+00	97600.00	100.00	127.38	9.26	0.00	450	42	0	4,417	456	3,761
976+75	97675.00	75.00	90.07	6.85	1.45	302	22	2	4,719	459	4,038
977+00	97700.00	25.00	57.80	6.02	23.51	68	6	12	4,787	474	4,085
978+00	97800.00	100.00	34.22	3.73	332.49	170	18	659	4,957	1,298	3,414
978+39.148	97839.15	39.15	0.00	0.00	293.47	25	3	454	4,982	1,865	2,868
978+50	97850.00	10.85	0.00	0.00	283.23	0	0	116	4,982	2,010	2,723
979+00	97900.00	50.00	0.00	0.00	254.98	0	0	498	4,982	2,633	2,101
979+50	97950.00	50.00	0.00	0.00	275.48	0	0	491	4,982	3,246	1,487
980+00	98000.00	50.00	1.58	0.00	296.40	1	0	530	4,983	3,909	825
980+25	98025.00	25.00	0.03	0.00	195.11	1	0	228	4,984	4,194	541
980+50	98050.00	25.00	0.00	0.00	131.92	0	0	151	4,984	4,383	353
						4,984		3,506			

STAGE 2A - EB OFF RAMP XOVER X9

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
21+45.227	2145.23	0.00	29.76	0.00	1.06	0	0	0	0	0	0
21+50	2150.00	4.77	28.88	0.00	1.73	5	0	0	5	0	5
22+00	2200.00	50.00	16.59	0.00	8.51	42	0	9	47	11	36
22+50	2250.00	50.00	15.26	0.00	13.06	29	0	20	76	36	40
23+00	2300.00	50.00	16.57	0.00	0.33	29	0	12	105	51	54
23+50	2350.00	50.00	32.11	0.00	2.10	45	0	2	150	54	96
23+93.266	2393.27	43.27	6.01	0.00	0.00	31	0	2	181	56	125
						181		45			

STAGE 2A - EB ON RAMP 'D'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
981+82.82	98182.82	0.00	0.00	0.00	152.06	0	0	0	0	0	0
982+00	98200.00	17.18	0.00	0.00	169.89	0	0	102	0	128	-128
982+50	98250.00	50.00	0.77	0.00	110.32	1	0	259	1	451	-450
983+00	98300.00	50.00	4.58	0.00	98.75	5	0	194	6	694	-688
983+50	98350.00	50.00	5.65	0.00	117.61	9	0	200	15	944	-929
984+00	98400.00	50.00	12.24	0.00	143.47	17	0	242	32	1,246	-1,214
984+50	98450.00	50.00	17.62	0.00	195.81	28	0	314	60	1,639	-1,579
985+00	98500.00	50.00	9.24	0.00	236.20	25	0	400	85	2,139	-2,054
985+50	98550.00	50.00	0.00	0.00	308.82	9	0	505	94	2,770	-2,676
986+00	98600.00	50.00	0.00	0.00	333.18	0	0	594	94	3,513	-3,419
987+00	98700.00	100.00	0.00	0.00	442.77	0	0	1,437	94	5,309	-5,215
988+00	98800.00	100.00	0.00	0.00	317.84	0	0	1,409	94	7,070	-6,976
989+00	98900.00	100.00	0.00	0.00	183.14	0	0	928	94	8,230	-8,136
990+00	99000.00	100.00	1.35	0.00	118.72	3	0	559	97	8,929	-8,832
990+06.885	99006.89	6.89	1.36	0.00	117.29	0	0	30	97	8,966	-8,869
990+32.009	99032.01	25.12	1.26	0.00	115.06	1	0	108	98	9,101	-9,003
990+57.103	99057.10	25.09	0.54	0.00	87.46	1	0	94	99	9,219	-9,120
990+75	99075.00	17.90	0.56	0.00	90.83	0	0	59	99	9,293	-9,194
991+00	99100.00	25.00	1.55	0.00	102.55	1	0	90	100	9,405	-9,305
991+15.588	99115.59	15.59	2.65	0.00	112.77	1	0	62	101	9,483	-9,382
991+50	99150.00	34.41	9.43	0.00	62.76	8	0	112	109	9,623	-9,514
992+04.57	99204.57	54.57	34.47	6.47	16.61	44	7	80	153	9,723	-9,577
992+06.524	99206.52	1.95	64.12	13.78	14.41	4	1	1	157	9,724	-9,575
992+50	99250.00	43.48	70.12	14.31	0.28	108	23	12	265	9,739	-9,505
992+61.132	99261.13	11.13	74.08	14.42	0.00	30	6	0	295	9,739	-9,481
993+00	99300.00	38.87	93.21	14.74	0.00	120	21	0	415	9,739	-9,382
994+00	99400.00	100.00	101.40	15.17	0.00	360	55	0	775	9,739	-9,077
994+39.518	99439.52	39.52	88.57	19.91	0.00	139	26	0	914	9,739	-8,964
						914		7,791			

STAGE 2A - EB ON RAMP XOVER X10

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
33+81.517	3381.52	0.00	0.00	0.00	0.00	0	0	0	0	0	0
33+96.612	3396.61	15.09	15.34	0.00	0.06	4	0	0	4	0	4
34+00	3400.00	3.39	15.50	0.00	2.62	2	0	0	6	0	6
34+25	3425.00	25.00	15.99	0.00	101.68	15	0	48	21	60	-39
34+50	3450.00	25.00	16.72	0.00	5.04	15	0	49	36	121	-85
35+00	3500.00	50.00	22.52	0.00	28.96	36	0	31	72	160	-88
35+50	3550.00	50.00	1.00	0.00	62.38	22	0	85	94	266	-172
36+00	3600.00	50.00	0.20	0.00	126.22	1	0	175	95	485	-390
36+50	3650.00	50.00	0.25	0.00	164.02	0	0	269	95	821	-726
36+90.615	3690.62	40.62	0.00	0.00	160.03	0	0	244	95	1,126	-1,031
						95		901			

STAGE 2A - EB ON-RAMP XOVER X5

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
35+70.667	3570.67	0.00	27.96	0.00	0.00	0	0	0	0	0	0
36+00	3600.00	29.33	29.38	0.00	0.00	31	0	0	31	0	31
36+50	3650.00	50.00	27.97	0.00	0.00	53	0	0	84	0	84
37+00	3700.00	50.00	23.94	0.00	0.02	48	0	0	132	0	132
37+50	3750.00	50.00	18.88	0.00	0.32	40	0	0	172	0	172
38+00	3800.00	50.00	14.19	0.00	1.01	31	0	1	203	1	202
38+23.065	3823.07	23.07	11.80	1.39	1.20	11	1	1	214	3	211
38+50	3850.00	26.93	10.23	0.50	1.34	11	1	1	225	4	219
39+00	3900.00	50.00	9.94	0.01	1.21	19	0	2	244	6	236
39+50	3950.00	50.00	9.34	0.14	1.11	18	0	2	262	9	251
40+00	4000.00	50.00	8.81	0.55	1.15	17	1	2	279	11	265
40+50	4050.00	50.00	8.64	1.29	0.97	16	2	2	295	14	276
41+00	4100.00	50.00	13.29	2.36	0.41	20	3	1	315	15	292
41+50	4150.00	50.00	15.02	3.76	0.43	26	6	1	341	16	311
42+00	4200.00	50.00	16.86	5.48	0.61	30	9	1	371	18	331
42+50	4250.00	50.00	19.25	7.54	0.87	33	12	1	404	19	350
43+00	4300.00	50.00	21.38	9.92	0.90	38	16	2	442	21	370
43+50	4350.00	50.00	26.12	12.58	0.98	44	21	2	486	24	390
44+00	4400.00	50.00	26.92	15.22	0.95	49	26	2	535	26	411
44+50	4450.00	50.00	31.15	17.57	0.78	54	30	2	589	29	432
45+00	4500.00	50.00	21.39	11.09	0.92	49	27	2	638	31	452
45+50	4550.00	50.00	18.47	2.24	1.41	37	12	2	675	34	474
46+00	4600.00	50.00	14.01	0.48	2.01	30	3	3	705	38	498
46+50	4650.00	50.00	10.71	0.00	1.60	23	0	3	728	41	517
46+75	4675.00	25.00	10.54	0.00	0.42	10	0	1	738	43	526
47+00	4700.00	25.00	7.24	0.00	0.00	8	0	0	746	43	534
47+25	4725.00	25.00	8.77	0.00	0.00	7	0	0	753	43	541
						753		34			

STAGE 2A - EXISTING EB STH 82 - CAT 010

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
142+35.853	14235.85	0.00	22.87	0.00	0.00	0	0	0	0	0	0
142+50	14250.00	14.15	28.19	0.00	0.00	13	0	0	13	0	13
142+75	14275.00	25.00	31.73	0.00	0.00	28	0	0	41	0	41
143+00	14300.00	25.00	21.10	0.00	0.00	24	0	0	65	0	65
143+11.178	14311.18	11.18	7.78	0.00	0.00	6	0	0	71	0	71
143+68.653	14368.65	0.00	0.00	0.00	0.00	0	0	0	71	0	71
143+75	14375.00	6.35	11.81	0.00	0.00	1	0	0	72	0	72
144+00	14400.00	25.00	21.82	0.00	0.00	16	0	0	88	0	88
144+17.269	14417.27	17.27	26.03	0.00	0.00	15	0	0	103	0	103
						103		0			

STAGE 2A - EXISTING WB STH 82 - CAT 010

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
145+05.989	14505.99	0.00	0.02	0.00	0.00	0	0	0	0	0	0
145+50	14550.00	44.01	11.86	0.00	0.00	10	0	0	10	0	10
146+00	14600.00	50.00	11.52	0.00	0.00	22	0	0	32	0	32
146+50	14650.00	50.00	13.43	0.00	0.00	23	0	0	55	0	55
147+00	14700.00	50.00	18.39	0.00	0.00	29	0	0	84	0	84
147+50	14750.00	50.00	23.97	0.00	0.00	39	0	0	123	0	123
148+00	14800.00	50.00	26.16	0.00	0.00	46	0	0	169	0	169
148+50	14850.00	50.00	14.34	0.00	0.00	38	0	0	207	0	207
148+55	14855.00	5.00	10.58	0.00	0.00	2	0	0	209	0	209
149+09.006	14909.01	0.00	12.39	0.00	0.00	0	0	0	209	0	209
149+50	14950.00	40.99	36.36	0.00	0.00	37	0	0	246	0	246
150+00	15000.00	50.00	9.24	0.00	0.00	42	0	0	288	0	288
150+50	15050.00	50.00	6.73	0.00	0.00	15	0	0	303	0	303
151+00	15100.00	50.00	6.88	0.00	0.00	13	0	0	316	0	316
151+50	15150.00	50.00	6.73	0.00	0.00	13	0	0	329	0	329
152+00	15200.00	50.00	2.31	0.00	0.00	8	0	0	337	0	337
152+25.141	15225.14	25.14	0.00	0.00	0.00	1	0	0	338	0	338
						338		0			

STAGE 2B CATEGORY 0010

STAGE 2B - EB ON RAMP 'D'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
981+41.35	98141.35	0.00	8.91	0.00	197.46	0	0	0	0	0	0
981+50	98150.00	8.65	0.00	0.00	221.75	1	0	67	1	84	-83
981+75	98175.00	25.00	0.00	0.00	94.99	0	0	147	1	268	-267
981+82.808	98182.81	7.81	44.07	0.00	3.71	6	0	14	7	285	-278
						7		228			

STAGE 2B - EB STH 82 - CAT 010

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
138+42.712	13842.71	0.00	31.80	0.00	0.00	0	0	0	0	0	0
138+50	13850.00	7.29	31.62	0.00	0.00	9	0	0	9	0	9
139+00	13900.00	50.00	37.54	0.00	0.00	64	0	0	73	0	73
139+25	13925.00	25.00	50.68	0.00	0.00	41	0	0	114	0	114
139+50	13950.00	25.00	72.48	0.00	0.00	57	0	0	171	0	171
139+75	13975.00	25.00	60.00	0.00	0.00	61	0	0	232	0	232
140+00	14000.00	25.00	68.37	0.00	0.00	59	0	0	291	0	291
140+25	14025.00	25.00	79.27	0.00	0.00	68	0	0	359	0	359
140+50	14050.00	25.00	73.35	0.00	0.00	71	0	0	430	0	430
140+75	14075.00	25.00	74.57	0.00	0.00	68	0	0	498	0	498
142+50	14250.00	0.00	76.44	0.00	0.00	0	0	0	498	0	498
142+75	14275.00	25.00	114.27	0.00	0.00	88	0	0	586	0	586
143+00	14300.00	25.00	121.99	0.00	0.00	109	0	0	695	0	695
143+57.135	14357.13	0.00	53.34	0.00	0.00	0	0	0	695	0	695
144+00	14400.00	42.87	79.75	0.00	0.00	106	0	0	801	0	801
144+50	14450.00	50.00	90.09	0.00	0.00	157	0	0	958	0	958
145+00	14500.00	50.00	101.18	0.00	0.00	177	0	0	1,135	0	1,135
145+50	14550.00	50.00	98.65	0.00	0.00	185	0	0	1,320	0	1,320
146+00	14600.00	50.00	89.64	0.00	0.00	174	0	0	1,494	0	1,494
146+50	14650.00	50.00	75.24	0.00	0.00	153	0	0	1,647	0	1,647
147+00	14700.00	50.00	77.41	0.00	0.00	141	0	0	1,788	0	1,788
147+50	14750.00	50.00	84.98	0.00	0.00	150	0	0	1,938	0	1,938
147+75	14775.00	25.00	100.50	0.00	56.98	86	0	26	2,024	33	1,992
148+00	14800.00	25.00	101.06	0.00	66.34	93	0	57	2,117	104	2,013
148+25	14825.00	25.00	71.48	0.00	57.37	80	0	57	2,197	175	2,022
148+29.384	14829.38	4.38	60.58	0.00	60.28	11	0	10	2,208	188	2,021
150+33.937	15033.94	0.00	57.34	0.00	0.00	0	0	0	2,208	188	2,021
150+50	15050.00	16.06	74.18	0.00	17.77	39	0	5	2,247	194	2,053
150+75	15075.00	25.00	99.61	0.00	1.67	80	0	9	2,327	205	2,122
151+00	15100.00	25.00	114.56	0.00	0.00	99	0	1	2,426	206	2,220
151+50	15150.00	50.00	97.50	0.00	0.00	196	0	0	2,622	206	2,416
152+00	15200.00	50.00	73.35	0.00	0.00	158	0	0	2,780	206	2,574
152+50	15250.00	50.00	73.57	0.00	0.00	136	0	0	2,916	206	2,710
152+69.974	15269.97	19.97	72.62	0.00	0.00	54	0	0	2,970	206	2,764
						2,970		165			

PROJECT NO: 1016-05-70

HWY: IH 90/94

COUNTY: JUNEAU

EARTHWORK

SHEET:

1001

E

PLOT DATE : OCT 2021

PLOT BY : MSA

PLOT NAME :

PLOT SCALE : 1:1

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 2B CATEGORY 0010 CONT.

STAGE 2B - SOUTHWEST BYPASS LANE

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+00	1000.00	0.00	128.28	0.00	0.00	0	0	0	0	0	0
10+25	1025.00	25.00	131.76	0.00	0.00	120	0	0	120	0	120
10+50	1050.00	25.00	183.13	0.00	4.81	146	0	2	266	3	264
10+75	1075.00	25.00	184.34	0.00	5.64	170	0	5	436	9	427
11+00	1100.00	25.00	185.42	0.00	2.88	171	0	4	607	14	593
11+25	1125.00	25.00	204.53	0.00	1.25	181	0	2	788	16	772
11+50	1150.00	25.00	196.62	0.00	1.57	186	0	1	974	18	957
11+75	1175.00	25.00	174.21	0.00	8.42	172	0	5	1,146	24	1,122
12+00	1200.00	25.00	137.55	0.00	28.89	144	0	17	1,290	45	1,245
12+25	1225.00	25.00	129.55	0.00	80.15	124	0	50	1,414	108	1,307
12+50	1250.00	25.00	52.59	0.00	132.04	84	0	98	1,498	230	1,268
12+51.478	1251.48	1.48	40.38	0.00	134.55	3	0	7	1,501	239	1,262
						1,501		191			

STAGE 2B - WEST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+04.945	1004.94	0.00	35.61	0.00	0.00	0	0	0	0	0	0
10+25	1025.00	20.06	70.08	0.00	3.73	39	0	1	39	1	38
10+50	1050.00	25.00	80.52	0.00	9.18	70	0	6	109	9	100
10+63.752	1063.75	13.75	97.45	0.00	153.99	45	0	42	154	61	93
10+75	1075.00	11.25	75.02	0.00	21.57	36	0	37	190	108	83
11+00	1100.00	25.00	66.97	5.10	3.98	66	2	12	256	123	132
11+25	1125.00	25.00	88.22	27.10	1.18	72	15	2	328	125	186
11+50	1150.00	25.00	123.46	19.18	0.86	98	21	1	426	126	262
11+74.997	1175.00	25.00	64.67	0.00	0.22	87	9	1	513	128	339
11+89.321	1189.32	14.32	41.39	0.00	0.00	28	0	0	541	128	367
						541		102			

STAGE 2B - EAST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
12+35.636	1235.64	0.00	34.99	0.00	0.00	0	0	0	0	0	0
12+50	1250.00	14.36	107.48	0.00	0.00	38	0	0	38	0	38
12+75	1275.00	25.00	85.36	0.00	8.72	89	0	4	127	5	122
12+82.194	1282.19	7.19	62.08	0.00	83.09	20	0	12	147	20	127
13+00	1300.00	17.81	69.23	0.00	219.70	43	0	100	190	145	45
13+15	1315.00	15.00	78.84	0.00	304.80	41	0	146	231	328	-97
13+25	1325.00	10.00	13.53	0.00	113.46	17	0	77	248	424	-176
13+48.457	1348.46	23.46	7.79	0.00	0.00	9	0	49	257	485	-228
						257		388			

STAGE 2B - WB OFF RAMP XOVER X6

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
23+60.69	2360.69	0.00	0.00	0.00	134.57	0	0	0	0	0	0
23+66.011	2366.01	5.32	0.00	0.00	199.52	0	0	33	0	41	-41
23+75	2375.00	8.99	0.12	0.00	229.33	0	0	71	0	130	-130
24+00	2400.00	25.00	51.43	0.00	205.94	24	0	202	24	383	-359
24+25	2425.00	25.00	9.29	0.00	222.34	28	0	198	52	630	-578
24+50	2450.00	25.00	0.00	0.00	192.24	4	0	192	56	870	-814
25+00	2500.00	50.00	42.55	0.00	0.00	39	0	178	95	1,093	-998
						95		874			

STAGE 2C CATEGORY 0010

STAGE 2C - EB IH 90/94 - EB OFF RAMP

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
969+63.99	96963.99	0.00	59.58	33.11	0.00	0	0	0	0	0	0
970+00	97000.00	36.01	64.10	33.60	0.00	82	44	0	82	0	38
971+00	97100.00	100.00	67.21	39.35	0.00	243	135	0	325	0	146
972+00	97200.00	100.00	74.11	38.04	0.00	262	143	0	587	0	265
973+00	97300.00	100.00	73.97	26.56	0.00	274	120	0	861	0	419
974+00	97400.00	100.00	68.39	26.00	0.00	264	97	0	1,125	0	586
975+00	97500.00	100.00	68.64	26.00	0.00	254	96	0	1,379	0	744
						1,379		0			

STAGE 2C - EB IH 90/94 - EB ON RAMP

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
989+00	98900.00	0.00	57.25	26.01	6.61	0	0	0	0	0	0
990+00	99000.00	100.00	21.55	30.50	11.09	146	105	33	146	41	0
991+00	99100.00	100.00	39.49	33.54	0.00	113	119	21	259	68	-33
991+13.151	99113.15	13.15	43.33	34.59	0.00	20	17	0	279	68	-30
992+00	99200.00	86.85	63.63	32.75	0.00	172	108	0	451	68	35
993+00	99300.00	100.00	46.23	24.50	0.00	203	106	0	654	68	132
994+00	99400.00	100.00	51.30	24.00	0.00	181	90	0	835	68	223
994+40	99440.00	40.00	43.30	24.00	0.00	70	36	0	905	68	257
						905		54			

STAGE 2C - WB OFF RAMP 'A'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
986+67	98667.00	0.00	28.34	23.74	137.03	0	0	0	0	0	0
986+75	98675.00	8.00	26.82	29.92	108.42	8	8	36	8	45	-45
987+00	98700.00	25.00	37.40	26.53	38.42	30	26	68	38	130	-126
987+25	98725.00	25.00	44.73	25.61	32.24	38	24	33	76	171	-153
987+50	98750.00	25.00	47.32	25.56	2.55	43	24	16	119	191	-154
988+00	98800.00	50.00	152.28	25.52	0.06	185	47	2	304	194	-19
988+25	98825.00	25.00	154.28	25.54	0.00	142	24	0	446	194	99
988+50	98850.00	25.00	162.29	25.58	0.00	147	24	0	593	194	222
989+00	98900.00	50.00	145.18	25.76	0.00	285	48	0	878	194	459
989+50	98950.00	50.00	110.37	14.71	0.00	237	37	0	1,115	194	659
990+00	99000.00	50.00	59.24	0.69	26.71	157	14	25	1,272	225	771
990+50	99050.00	50.00	20.78	0.00	73.17	74	1	92	1,346	340	729
991+00	99100.00	50.00	44.77	9.71	114.53	61	9	174	1,407	558	564
992+00	99200.00	100.00	6.23	0.00	131.51	94	18	456	1,501	1,128	70
992+25	99225.00	25.00	0.00	0.00	0.00	3	0	61	1,504	1,204	-4
						1,504		963			

STAGE 2C - WB OFF RAMP XOVER X12

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
30+00.823	3000.82	0.00	13.65	2.52	5.57	0	0	0	0	0	0
30+50	3050.00	49.18	15.98	0.00	1.78	27	2	7	27	9	16
31+00	3100.00	50.00	19.64	0.00	0.00	33	0	2	60	11	47
31+17.086	3117.09	17.09	26.92	0.00	0.00	15	0	0	75	11	62
31+50	3150.00	32.91	36.30	0.00	0.00	39	0	0	114	11	101
32+00	3200.00	50.00	39.49	1.15	0.00	70	1	0	184	11	170
32+50	3250.00	50.00	77.10	13.25	0.00	108	13	0	292	11	265
33+00	3300.00	50.00	84.38	23.86	0.00	150	34	0	442	11	381
33+47.43	3347.43	47.43	63.62	21.02	0.00	130	39	0	572	11	472
						572		9			

STAGE 2C - EB STH 82 - CAT 010

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
143+00	14300.00	0.00	46.80	0.13	0.00	0	0	0	0	0	0
143+25	14325.00	25.00	86.43	8.54	0.00	62	4	0	62	0	58
143+50	14350.00	25.00	81.80	0.00	0.00	78	4	0	140	0	132
143+57.135	14357.13	7.13	77.18	0.00	0.00	21	0	0	161	0	153
150+08.032	15008.03	0.00	50.52	0.00	121.30	0	0	0	161	0	153
150+25	15025.00	16.97	117.65	0.00	53.93	53	0	55	214	69	137
150+33.937	15033.94	8.94	112.01	0.00	1.79	38	0	9	252	80	164
150+50	15050.00	16.06	45.80	0.00	0.00	47	0	1	299	81	210
150+75	15075.00	25.00	34.99	0.00	0.00	37	0	0	336	81	247
151+00	15100.00	25.00	27.87	0.00	0.00	29	0	0	365	81	276
151+00.694	15100.69	0.69	27.55	0.00	0.00	1	0	0	366	81	277
						366		65			

STAGE 2C - EAST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+00	1000.00	0.00	51.35	20.64	345.91	0.00	0	0	0	0	0	0
10+04.376	1004.38	4.38	50.73	20.60	329.91	0.00	8	3	55	8	69	-64
10+25	1025.00	20.62	121.38	0.00	0.00	0.00	66	8	126	74	226	-163
10+42.341	1042.34	17.34	110.21	0.00	0.00	0.00	74	0	0	148	226	-89
10+50	1050.00	7.66	114.78	0.00	0.00	0.00	32	0	0	180	226	-57
10+71.091	1071.09	21.09	137.60	0.00	0.00	0.00	99	0	0	279	226	42
13+48.256	1348.26	0.00	78.36	14.41	8.60	0.00	0	0	0	279	226	42
13+50	1350.00	1.74	62.42	17.39	11.42	0.00	5	1	1	284	228	45
13+58.108	1358.11	8.11	65.07	50.40	36.50	0.00	19	10	7	303	236	45
13+75	1375.00	16.89	54.84	32.10	38.28	0.00	38	26	23	341	265	28
13+87.815	1387.82	12.82	52.16	22.01	271.24	0.00	25	13	73	366	356	-51
13+95.84	1395.84	8.02	51.35	20.64	345.91	0.00	15	6	92	381	471	-157
							381		377			

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 2C CATEGORY 0010 CONT.

STAGE 2C - SOUTHEAST DITCH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
20+50	2050.00	0.00	9.78	0.00	25.75	0	0	0	0	0	0
20+75	2075.00	25.00	79.43	0.00	3.82	41	0	14	41	18	24
21+00	2100.00	25.00	75.65	0.00	0.00	72	0	2	113	20	93
21+25	2125.00	25.00	70.03	0.00	0.00	67	0	0	180	20	160
21+50	2150.00	25.00	70.92	0.00	0.00	65	0	0	245	20	225
						245		16			

STAGE 2D CATEGORY 0010

STAGE 2D - EB OFF RAMP 'C'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
980+50	98050.00	0.00	10.64	0.00	46.98	0	0	0	0	0	0
980+60	98060.00	10.00	0.00	0.00	160.70	2	0	10	2	13	-11
980+74.596	98074.60	14.60	0.00	0.00	134.09	0	0	80	2	113	-111
						2		90			

STAGE 2D - WB ON RAMP 'B'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
976+00	97600.00	0.00	20.56	0.00	64.74	0	0	0	0	0	0
977+00	97700.00	100.00	0.87	0.00	308.52	40	0	691	40	864	-824
978+00	97800.00	100.00	14.38	0.00	351.12	28	0	1,222	68	2,391	-2,323
979+00	97900.00	100.00	0.53	0.00	283.83	28	0	1,176	96	3,861	-3,765
980+00	98000.00	100.00	27.01	0.00	182.49	51	0	864	147	4,941	-4,794
981+00	98100.00	100.00	25.72	0.00	96.23	98	0	516	245	5,586	-5,341
982+00	98200.00	100.00	21.80	0.00	42.26	88	0	256	333	5,906	-5,573
983+00	98300.00	100.00	68.54	0.00	21.54	167	0	118	500	6,054	-5,554
983+25	98325.00	25.00	101.97	0.00	18.75	79	0	19	579	6,078	-5,499
983+50	98350.00	25.00	123.19	0.00	13.16	104	0	15	683	6,096	-5,413
984+00	98400.00	50.00	175.75	0.00	2.65	277	0	15	960	6,115	-5,155
984+50	98450.00	50.00	219.44	0.00	0.67	366	0	3	1,326	6,119	-4,793
984+75	98475.00	25.00	204.55	0.00	2.67	196	0	2	1,522	6,121	-4,599
985+00	98500.00	25.00	179.36	0.00	7.94	178	0	5	1,700	6,128	-4,428
985+25	98525.00	25.00	152.61	0.00	21.78	154	0	14	1,854	6,145	-4,291
985+50	98550.00	25.00	184.69	0.00	63.26	156	0	39	2,010	6,194	-4,184
985+75	98575.00	25.00	205.17	0.00	20.36	180	0	39	2,190	6,243	-4,053
985+86.597	98586.60	11.60	71.68	0.00	14.85	59	0	8	2,249	6,253	-4,004
						2,249		5,002			

STAGE 2D - WB STH 82 - CAT010

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
138+41.031	13841.03	0.00	104.79	0.00	0.00	0	0	0	0	0	0
138+50	13850.00	8.97	104.32	0.00	0.00	35	0	0	35	0	35
139+00	13900.00	50.00	114.30	0.00	0.00	202	0	0	237	0	237
139+50	13950.00	50.00	93.76	0.00	0.00	193	0	0	430	0	430
140+00	14000.00	50.00	76.80	0.00	1.27	158	0	1	588	1	587
140+25	14025.00	25.00	79.58	0.00	24.32	72	0	12	660	16	644
140+50	14050.00	25.00	64.31	0.00	51.26	67	0	35	727	60	667
140+65.242	14065.24	15.24	62.02	0.00	72.17	36	0	35	763	104	659
140+73.082	14073.08	7.84	22.09	0.00	86.02	12	0	23	775	133	643
143+25	14325.00	0.00	56.26	0.00	13.56	0	0	0	775	133	643
143+50	14350.00	25.00	49.03	0.00	29.44	49	0	20	824	158	667
143+75	14375.00	25.00	51.69	0.00	108.25	47	0	64	871	238	634
144+00	14400.00	25.00	67.02	0.00	29.13	55	0	64	926	318	609
144+50	14450.00	50.00	114.26	0.00	20.81	168	0	46	1,094	375	719
145+00	14500.00	50.00	97.29	0.00	9.16	196	0	28	1,290	410	880
145+50	14550.00	50.00	95.97	0.00	31.07	179	0	37	1,469	456	1,013
146+00	14600.00	50.00	65.79	0.00	48.93	150	0	74	1,619	549	1,070
146+50	14650.00	50.00	96.31	0.00	1.67	150	0	47	1,769	608	1,162
147+00	14700.00	50.00	122.72	0.00	3.07	203	0	4	1,972	613	1,360
147+50	14750.00	50.00	163.05	0.00	3.03	265	0	6	2,237	620	1,617
148+00	14800.00	50.00	130.76	0.00	20.81	272	0	22	2,509	648	1,862
148+25	14825.00	25.00	99.13	0.00	57.91	106	0	36	2,615	693	1,923
148+30	14830.00	5.00	84.11	0.00	58.75	17	0	11	2,632	706	1,926
150+02.02	15002.02	0.00	64.70	0.00	0.00	0	0	0	2,632	706	1,926
150+25	15025.00	22.98	66.66	0.00	0.00	56	0	0	2,688	706	1,982
150+50	15050.00	25.00	67.94	0.00	0.00	62	0	0	2,750	706	2,044
150+75	15075.00	25.00	63.77	0.00	0.00	61	0	0	2,811	706	2,105
151+00	15100.00	25.00	58.07	0.00	0.00	56	0	0	2,867	706	2,161
151+25	15125.00	25.00	70.38	0.00	0.00	59	0	0	2,926	706	2,220
151+50	15150.00	25.00	71.30	0.00	0.00	66	0	0	2,992	706	2,286
152+00	15200.00	50.00	52.63	0.00	0.00	115	0	0	3,107	706	2,401
152+50	15250.00	50.00	47.30	0.00	0.00	93	0	0	3,200	706	2,494
152+51.556	15251.56	1.56	82.14	0.00	1.44	4	0	0	3,204	706	2,498
152+66.481	15266.48	14.93	81.26	0.00	1.45	45	0	1	3,249	708	2,542
						3,249		566			

STAGE 2D CATEGORY 0010 CONT.

STAGE 2D - NORTHEAST BYPASS LANE

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+00	1000.00	0.00	117.44	0.00	17.92	0	0	0	0	0	0
10+25	1025.00	25.00	169.49	0.00	17.77	133	0	17	133	21	112
10+50	1050.00	25.00	150.49	0.00	9.22	148	0	12	281	36	245
10+75	1075.00	25.00	129.54	0.00	8.92	130	0	8	411	46	365
11+00	1100.00	25.00	127.71	0.00	21.42	119	0	14	530	64	466
11+25	1125.00	25.00	94.98	0.00	7.77	103	0	14	633	81	552
11+50	1150.00	25.00	77.96	0.00	0.00	80	0	4	713	86	627
11+75	1175.00	25.00	44.57	0.00	0.04	57	0	0	770	86	684
12+00	1200.00	25.00	42.03	0.00	0.47	40	0	0	810	86	724
12+25	1225.00	25.00	39.54	0.00	0.65	38	0	1	848	88	761
12+50	1250.00	25.00	36.35	0.00	1.13	35	0	1	883	89	794
12+65.788	1265.79	15.79	34.79	0.00	1.44	21	0	1	904	90	814
						904		72			

STAGE 2D - WEST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)			NCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+00	1000.00	0.00	79.61	0.00	33.43	0	0	0	0	0	0
10+04.945	1004.94	4.94	86.99	0.00	30.75	15	0	6	15	8	8
11+89.32	1189.32	0.00	43.47	0.00	54.34	0	0	0	15	8	8
12+00	1200.00	10.68	43.04	0.00	54.69	17	0	22	32	35	-3
12+22.136	1222.14	22.14	45.41	0.00	57.87	36	0	46	68	93	-25
12+25	1225.00	2.86	41.33	0.00	59.01	5	0	6	73	100	-27
12+50	1250.00	25.00	13.70	0.00	73.52	25	0	61	98	176	-78
12+75	1275.00	25.00	0.00	0.00	190.24	6	0	122	104	329	-225
13+00	1300.00	25.00	0.00	0.00	150.05	0	0	158	104	526	-422
13+16.025	1316.02	16.02	0.59	0.00	159.17	0	0	92	104	641	-537
13+25	1325.00	8.98	1.81	0.00	174.13	0	0	55	104	710	-606
13+42.205	1342.21	17.21	4.76	0.00	245.64	2	0	134	106	878	-772
13+50	1350.00	7.79	7.07	0.00	226.59	2	0	68	108	963	-855
13+55.966	1355.97	5.97	10.31	0.00	214.38	2	0	49	110	1,024	-914
13+75	1375.00	19.03	40.14	0.00	45.21	18	0	92	128	1,139	-1,011
13+95	1395.00	20.00	86.78	0.00	37.18	47	0	31	175	1,178	-1,003
						175		942			

STAGE 2D - EAST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+71.091	1071.09	0.00	47.07	0.00	0.00	0	0	0	0	0	0
10+75	1075.00	3.91	80.90	0.00	0.00	9	0	0	9	0	9
11+00	1100.00	25.00	67.12	0.00	0.00	69	0	0	78	0	78
11+11.966	1111.97	11.97	98.03	0.00	6.48	37	0	1	115	1	114
11+25	1125.00	13.03	67.42	0.00	0.00	40	0	2	155	4	151
11+30.775	1130.77	5.77	50.62	0.00	0.00	13	0	0	168	4	164
						168		3			

STAGE 2E CATEGORY 0010

STAGE 2E - EB OFF RAMP 'C'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
969+60.65	96960.65	0.00	4.94	0.00	0.00	0	0	0	0	0	0
970+00	97000.00	39.35	5.94	0.00	0.00	8	0	0	8	0	8
971+00	97100.00	100.00	2.41	0.00	1.13	15	0	2	23	3	21
972+00	97200.00	100.00	12.41	0.00	0.00	27	0	2	50	5	45
973+00	97300.00	100.00	32.06	13.38	0.00	82	25	0	132	5	102
974+00	97400.00	100.00	78.56	7.90	0.00	205	39	0	337	5	268
975+00	97500.00	100.00	110.13	0.00	9.65	349	15	18	686	28	580
976+00	97600.00	100.00	164.49	4.08	0.00	509	8	18	1,195	50	1,058
977+00	97700.00	100.00	172.52	7.35	0.00	624	21	0	1,819	50	1,661
978+00	97800.00	100.00	154.81	20.83	0.00	606	52	0	2,425	50	2,215
978+39.148	97839.15	39.15	159.33	25.13	0.57	228	33	0	2,653	50	2,410
978+50	97850.00	10.85	159.67	25.21	0.80	64	10	0	2,717	50	2,464
979+00	97900.00	50.00	202.49	25.54	0.00	335	47	1	3,052	51	2,751
979+50	97950.00	50.00	234.84	25.89	9.50	405	48	9	3,457	63	3,097
980+00	98000.00	50.00	301.47	26.81	63.62	497	49	68	3,954	148	3,460
980+25	98025.00	25.00	466.39	27.41	83.16	355	25	68	4,309	233	3,705
980+50	98050.00	25.00	361.79	30.10	233.36	383	27	147	4,692	416	3,877
980+74.596	98074.60	24.60	0.00	0.00	0.00	165	14	106	4,857	549	3,895
						4,857		439			

PROJECT NO: 1016-05-70
HWY: IH 90/94
COUNTY: JUNEAU
EARTHWORK
SHEET:
1005
E

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 2E CATEGORY 0010 CONT.

STAGE 2E- EB ON RAMP 'D'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
985+14.546	98514.55	0.00	306.94	17.65	1.38	0	0	0	0	0	0
985+50	98550.00	35.45	286.11	13.58	2.22	389	21	2	389	3	366
986+00	98600.00	50.00	283.08	13.58	24.33	527	25	25	916	34	836
987+00	98700.00	100.00	217.71	13.58	0.55	927	50	46	1,843	91	1,656
988+00	98800.00	100.00	105.01	13.46	95.10	598	50	177	2,441	313	1,983
989+00	98900.00	100.00	61.07	13.38	10.51	308	50	196	2,749	558	1,996
989+05.182	98905.18	5.18	58.99	13.37	9.03	12	3	2	2,761	560	2,002
990+00	99000.00	94.82	29.10	13.34	0.00	155	47	16	2,916	580	2,090
990+06.885	99006.89	6.89	27.70	13.34	0.00	7	3	0	2,923	580	2,094
990+32.009	99032.01	25.12	22.42	13.34	0.29	23	12	0	2,946	580	2,105
990+50	99050.00	17.99	7.36	13.34	0.00	10	9	0	2,956	580	2,106
990+57.103	99057.10	7.10	9.23	13.35	0.00	2	4	0	2,958	580	2,104
991+00	99100.00	42.90	8.11	6.28	0.00	14	16	0	2,972	580	2,102
991+15.581	99115.58	15.58	7.57	11.17	0.00	5	5	0	2,977	580	2,102
991+50	99150.00	34.42	4.74	3.81	0.00	8	10	0	2,985	580	2,100
992+00	99200.00	50.00	4.95	6.52	0.00	9	10	0	2,994	580	2,099
992+04.93	99204.93	4.93	0.00	9.14	0.00	0	1	0	2,994	580	2,098
						2,994		464			

STAGE 2E - WB STH 82 - CAT 010

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
142+51.468	14251.47	0.00	199.79	0.00	13.94	0	0	0	0	0	0
142+75	14275.00	23.53	199.97	0.00	14.59	174	0	12	174	15	159
143+00	14300.00	25.00	161.19	0.00	10.73	167	0	12	341	30	311
143+25	14325.00	25.00	56.26	0.00	13.56	101	0	11	442	44	398
						442		35			

STAGE 2E - WEST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
11+89.32	1189.32	0.00	38.32	0.00	0.00	0	0	0	0	0	0
12+00	1200.00	10.68	15.22	0.00	0.00	11	0	0	11	0	11
12+22.136	1222.14	22.14	36.75	2.12	3.06	21	1	1	32	1	30
12+25	1225.00	2.86	11.94	11.27	6.88	3	1	1	35	3	31
12+40.806	1240.81	15.81	179.65	49.04	29.61	56	18	11	91	16	55
12+44.304	1244.30	3.50	196.56	40.77	31.92	24	6	4	115	21	68
12+50	1250.00	5.70	170.18	32.00	27.29	39	8	6	154	29	91
12+75	1275.00	25.00	2.42	0.00	110.21	80	15	64	234	109	76
13+00	1300.00	25.00	1.44	0.00	101.52	2	0	98	236	231	-44
13+13.45	1313.45	13.45	6.99	0.00	0.17	2	0	25	238	263	-74
						238		210			

STAGE 2E - EAST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+71.091	1071.09	0.00	0.00	0.00	0.00	0	0	0	0	0	0
10+75	1075.00	3.91	51.42	0.00	0.00	4	0	0	4	0	4
11+00	1100.00	25.00	59.52	0.00	0.56	51	0	0	55	0	55
11+11.966	1111.97	11.97	63.57	0.00	0.33	27	0	0	82	0	82
11+25	1125.00	13.03	69.99	0.00	0.11	32	0	0	114	0	114
11+30.775	1130.77	5.77	116.06	0.00	1.50	20	0	0	134	0	134
11+37.895	1137.89	7.12	118.40	3.85	2.95	31	1	1	165	1	163
11+50	1150.00	12.11	142.50	25.38	4.05	58	7	2	223	4	211
11+60	1160.00	10.00	166.15	70.42	3.93	57	18	1	280	5	249
11+75	1175.00	15.00	138.68	0.00	10.77	85	20	4	365	10	309
11+80	1180.00	5.00	115.42	0.00	41.35	24	0	5	389	16	327
11+87.594	1187.59	7.59	125.33	0.00	69.60	34	0	16	423	36	341
12+00	1200.00	12.41	106.21	0.00	13.97	53	0	19	476	60	370
12+25	1225.00	25.00	67.16	0.00	2.86	80	0	8	556	70	440
12+35.785	1235.79	10.79	79.23	0.00	3.23	29	0	1	585	71	468
						585		57			

PROJECT NO: 1016-05-70

HWY: IH 90/94

COUNTY: JUNEAU

EARTHWORK

SHEET:

1006

E

PLOT DATE : OCT 2021

PLOT BY : MSA

PLOT NAME :

PLOT SCALE : 1:1

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 2F CATEGORY 0010

STAGE 2F - WEST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+00	1000.00	0.00	0.00	0.00	55.97	0	0	0	0	0	0
10+04.945	1004.94	4.94	61.08	0.00	56.78	6	0	10	6	13	-7
10+25	1025.00	20.06	48.96	0.00	71.04	41	0	47	47	71	-24
10+50	1050.00	25.00	50.13	0.00	79.12	46	0	70	93	159	-66
10+63.752	1063.75	13.75	53.55	0.00	84.02	26	0	42	119	211	-92
10+75	1075.00	11.25	55.21	0.00	84.88	23	0	35	142	255	-113
11+00	1100.00	25.00	49.53	0.00	97.98	48	0	85	190	361	-171
11+25	1125.00	25.00	38.49	0.00	124.53	41	0	103	231	490	-259
11+50	1150.00	25.00	29.62	0.00	145.61	32	0	125	263	646	-383
11+75	1175.00	25.00	30.31	0.00	140.63	28	0	133	291	813	-522
11+89.321	1189.32	14.32	34.83	0.00	106.21	17	0	65	308	894	-586
12+00	1200.00	10.68	0.00	0.00	106.47	7	0	42	315	946	-631
12+25	1225.00	25.00	0.00	0.00	105.74	0	0	98	315	1,069	-754
12+50	1250.00	25.00	0.00	0.00	103.75	0	0	97	315	1,190	-875
12+75	1275.00	25.00	0.00	0.00	97.96	0	0	93	315	1,306	-991
13+00	1300.00	25.00	0.00	0.00	80.02	0	0	82	315	1,409	-1,094
13+25	1325.00	25.00	0.00	0.00	65.22	0	0	67	315	1,493	-1,178
13+50	1350.00	25.00	0.00	0.00	57.32	0	0	57	315	1,564	-1,249
13+75	1375.00	25.00	0.00	0.00	54.60	0	0	52	315	1,629	-1,314
13+95.838	1395.84	20.84	0.00	0.00	55.97	0	0	43	315	1,683	-1,368
						315		1,346			

STAGE 2F - EAST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+00	1000.00	0.00	54.86	0.00	67.49	0	0	0	0	0	0
10+04.376	1004.38	4.38	55.28	0.00	66.78	9	0	11	9	14	-5
10+25	1025.00	20.62	56.63	0.00	65.54	43	0	51	52	78	-26
10+42.341	1042.34	17.34	56.76	0.00	67.28	36	0	43	88	131	-43
10+50	1050.00	7.66	56.33	0.00	68.91	16	0	19	104	155	-51
10+71.091	1071.09	21.09	64.49	0.00	71.06	47	0	55	151	224	-73
10+75	1075.00	3.91	0.00	0.00	64.78	5	0	10	156	236	-80
11+00	1100.00	25.00	0.00	0.00	63.63	0	0	59	156	310	-154
11+25	1125.00	25.00	0.00	0.00	65.15	0	0	60	156	385	-229
11+50	1150.00	25.00	0.00	0.00	76.12	0	0	65	156	466	-310
11+75	1175.00	25.00	0.00	0.00	95.32	0	0	79	156	565	-409
12+00	1200.00	25.00	0.00	0.00	116.64	0	0	98	156	688	-532
12+25	1225.00	25.00	0.00	0.00	128.45	0	0	113	156	829	-673
12+35.785	1235.79	10.79	34.83	0.00	132.14	7	0	52	163	894	-731
12+50	1250.00	14.21	29.47	0.00	136.66	17	0	71	180	983	-803
12+75	1275.00	25.00	28.86	0.00	131.42	27	0	124	207	1,138	-931
13+00	1300.00	25.00	33.38	0.00	117.08	29	0	115	236	1,281	-1,045
13+15	1315.00	15.00	36.44	0.00	107.47	19	0	62	255	1,359	-1,104
13+25	1325.00	10.00	38.93	0.00	100.96	14	0	39	269	1,408	-1,139
13+50	1350.00	25.00	45.79	0.00	86.05	39	0	87	308	1,516	-1,208
13+75	1375.00	25.00	53.37	0.00	69.89	46	0	72	354	1,606	-1,252
13+87.815	1387.82	12.82	53.89	0.00	69.00	25	0	33	379	1,648	-1,269
13+95.842	1395.84	8.03	54.86	0.00	67.49	16	0	20	395	1,673	-1,278
						395		1,338			

STAGE 2G CATEGORY 0010

STAGE 2G - EB ON RAMP 'D'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
981+41.35	98141.35	0.00	5.20	0.00	0.00	0	0	0	0	0	0
981+50	98150.00	8.65	21.12	0.00	1.41	4	0	0	4	0	4
981+75	98175.00	25.00	8.47	0.00	79.83	14	0	38	18	48	-30
981+82.808	98182.81	7.81	15.86	0.00	33.61	4	0	16	22	68	-46
982+00	98200.00	17.19	22.44	3.63	32.43	12	1	21	34	94	-61
982+50	98250.00	50.00	63.43	16.72	0.48	80	19	30	114	131	-37
983+00	98300.00	50.00	80.12	22.81	30.86	133	37	29	247	168	23
983+50	98350.00	50.00	126.35	26.01	46.52	191	45	72	438	258	79
984+00	98400.00	50.00	167.74	40.97	35.90	272	62	76	710	353	194
984+08.885	98408.88	8.88	158.05	37.03	32.14	54	13	11	764	366	221
984+40.258	98440.26	31.37	134.86	27.88	32.92	170	38	38	934	414	305
984+50	98450.00	9.74	136.09	25.76	30.65	49	10	11	983	428	331
985+00	98500.00	50.00	308.12	18.66	8.62	411	41	36	1,394	473	656
985+40.704	98540.70	40.70	3.16	0.00	7.57	235	14	12	1,629	488	862
						1,629		390			

STAGE 2G - WB OFF RAMP 'A'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
986+67	98667.00	0.00	5.89	0.00	0.00	0	0	0	0	0	0
986+75	98675.00	8.00	6.38	0.00	0.96	2	0	0	2	0	2
987+00	98700.00	25.00	32.96	0.00	41.18	18	0	20	20	25	-5
987+15	98715.00	15.00	63.81	0.00	6.83	27	0	13	47	41	6
						47		33			

STAGE 2G - WB OFF RAMP XOVER X12

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
30+05.14	3005.14	0.00	59.42	0.00	6.62	0	0	0	0	0	0
30+50	3050.00	44.86	57.98	0.00	1.67	98	0	7	98	9	89
31+00	3100.00	50.00	68.15	0.00	0.00	117	0	2	215	11	204
31+50	3150.00	50.00	37.61	0.00	0.10	98	0	0	313	11	302
32+00	3200.00	50.00	20.64	0.00	0.01	54	0	0	367	11	356
32+50	3250.00	50.00	7.46	0.00	0.08	26	0	0	393	11	382
33+00	3300.00	50.00	1.00	0.00	0.76	8	0	1	401	13	389
33+47.43	3347.43	47.43	0.11	0.00	1.81	1	0	2	402	15	387
						402		12			

STAGE 2G - EB STH 82 - CAT 010

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
142+49.644	14249.64	0.00	20.92	14.22	26.19	0	0	0	0	0	0
142+50	14250.00	0.36	20.88	14.11	25.42	0	0	0	0	0	0
142+75	14275.00	25.00	15.69	5.45	5.58	17	9	14	17	18	-10
143+00	14300.00	25.00	28.95	0.00	5.55	21	3	5	38	24	2
143+25	14325.00	25.00	42.03	7.95	4.71	33	4	5	71	30	25
143+50	14350.00	25.00	56.54	36.15	3.84	46	20	4	117	35	46
144+00	14400.00	50.00	49.89	0.00	6.23	99	33	9	216	46	101
144+12.345	14412.34	12.34	38.72	0.00	5.92	20	0	3	236	50	117
144+50	14450.00	37.66	19.89	0.00	2.35	41	0	6	277	58	151
145+00	14500.00	50.00	9.86	0.00	113.36	28	0	107	305	191	45
145+50	14550.00	50.00	30.17	0.00	73.68	37	0	173	342	408	-135
146+00	14600.00	50.00	34.09	0.00	65.99	59	0	129	401	569	-237
146+50	14650.00	50.00	22.42	0.00	75.83	52	0	131	453	733	-349
147+00	14700.00	50.00	17.73	0.00	77.42	37	0	142	490	910	-489
147+25	14725.00	25.00	7.14	0.00	122.45	12	0	93	502	1,026	-593
147+50	14750.00	25.00	6.68	0.00	173.17	6	0	137	508	1,198	-759
147+75	14775.00	25.00	10.80	0.00	18.50	8	0	89	516	1,309	-862
148+00	14800.00	25.00	18.73	0.00	12.37	14	0	14	530	1,326	-865
148+29.387	14829.39	29.39	17.16	0.00	7.07	20	0	11	550	1,340	-859
						550		1,072			

STAGE 2G - WEST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+86.602	1086.60	0.00	13.82	0.00	0.00	0	0	0	0	0	0
11+00	1100.00	13.40	13.56	0.00	34.32	7	0	9	7	11	-4
11+25	1125.00	25.00	6.49	0.00	16.56	9	0	24	16	41	-25
11+48.588	1148.59	23.59	7.00	0.00	19.47	6	0	16	22	61	-39
11+50	1150.00	1.41	7.10	0.00	16.29	0	0	1	22	63	-41
11+62.378	1162.38	12.38	0.00	0.00	0.00	2	0	4	24	68	-44
						24		54			

STAGE 2G - EAST ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
12+62.133	1262.13	0.00	0.23	0.00	0.00	0	0	0	0	0	0
12+75	1275.00	12.87	14.72	0.00	5.57	4	0	1	4	1	3
12+82.244	1282.24	7.24	12.83	0.00	10.10	4	0	2	8	4	4
13+00	1300.00	17.76	11.02	0.00	10.14	8	0	7	16	13	4
13+15	1315.00	15.00	13.04	0.00	23.49	7	0	9	23	24	-1
13+25	1325.00	10.00	14.67	0.00	18.58	5	0	8	28	34	-6
13+50	1350.00	25.00	11.84	0.00	18.72	12	0	17	40	55	-15
13+55.537	1355.54	5.54	5.03	0.00	0.00	2	0	2	42	58	-16
						42		46			

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 3A CATEGORY 0010

STAGE 3A - WB IH 90/94 TRANSITION STAGE 3 - B-29-157 NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
947+75	94775.00	0.00	44.71	26.00	2.77	0	0	0	0	0	0
948+00	94800.00	25.00	45.57	26.00	14.43	42	24	8	42	10	8
948+50	94850.00	50.00	44.58	26.00	76.27	83	48	84	125	115	-62
948+93.135	94893.13	43.13	42.44	26.00	154.28	70	42	184	195	345	-264
						195		276			

STAGE 3A - WB IH 90/94 - B-29-157

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
948+93.1	94893.10	0.00	42.44	26.00	154.28	0	0	0	0	0	0
949+00	94900.00	6.90	43.48	26.00	150.93	11	7	39	11	49	-45
950+00	95000.00	100.00	48.57	26.00	279.70	170	96	797	181	1,045	-967
950+08.729	95008.73	8.73	51.99	26.00	300.54	16	8	94	197	1,163	-1,077
951+00	95100.00	91.27	35.78	26.00	300.89	148	88	1,017	345	2,434	-2,288
951+33.9	95133.90	33.90	36.34	26.00	302.79	45	33	379	390	2,908	-2,750
951+43.067	95143.07	9.17	25.24	18.63	302.51	10	8	103	400	3,036	-2,876
953+37.5	95337.50	0.00	12.60	7.86	0.00	0	0	0	400	3,036	-2,876
953+69.824	95369.82	32.32	31.17	26.00	323.11	26	20	193	426	3,278	-3,112
954+00	95400.00	30.18	39.30	29.06	325.33	39	31	362	465	3,730	-3,556
955+00	95500.00	100.00	46.26	26.00	287.54	158	102	1,135	623	5,149	-4,919
955+54.702	95554.70	54.70	44.36	27.92	204.79	92	55	499	715	5,773	-5,506
955+79.707	95579.71	25.00	41.13	27.76	187.42	40	26	182	755	6,000	-5,719
955+90.299	95590.30	10.59	38.48	27.70	175.21	16	11	71	771	6,089	-5,803
						771		4,871			

STAGE 3A - WB IH 90/94 TRANSITION STAGE 3 - B-29-157 SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
955+90.357	95590.36	0.00	38.44	27.70	175.19	0	0	0	0	0	0
956+00	95600.00	9.64	42.44	27.64	164.70	14	0	61	14	76	-62
956+50	95650.00	50.00	54.29	30.14	147.89	90	0	289	104	438	-334
957+00	95700.00	50.00	62.59	31.21	81.77	108	0	213	212	704	-492
957+10.948	95710.95	10.95	66.85	32.27	64.98	26	0	30	238	741	-503
957+50	95750.00	39.05	21.23	0.00	29.12	64	0	70	302	829	-527
958+00	95800.00	50.00	19.58	0.00	1.28	38	0	31	340	868	-528
958+50	95850.00	50.00	20.14	0.00	0.00	45	0	1	385	869	-484
959+00	95900.00	50.00	23.40	0.00	0.00	61	0	0	446	869	-423
959+43.174	95943.17	43.17	22.90	0.00	0.00	58	0	0	504	869	-365
						504		695			

STAGE 3A - WB IH 90/94 TRANSITION STAGE 3 - B-29-155 NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
975+50.326	97550.33	0.00	56.70	26.00	0.00	0	0	0	0	0	0
976+00	97600.00	49.67	48.16	26.00	0.00	96	48	0	96	0	48
977+00	97700.00	100.00	26.45	26.00	20.85	138	96	39	234	49	41
978+00	97800.00	100.00	27.14	26.00	215.73	99	96	438	333	596	-503
979+00	97900.00	100.00	26.00	26.00	468.84	98	96	1,268	431	2,181	-2,086
980+00	98000.00	100.00	26.00	26.00	610.21	96	96	1,998	527	4,679	-4,584
981+00	98100.00	100.00	26.00	26.00	344.91	96	96	1,769	623	6,890	-6,795
982+00	98200.00	100.00	26.00	26.00	411.04	96	96	1,400	719	8,640	-8,545
982+10.252	98210.25	10.25	26.00	26.00	397.92	10	10	154	729	8,833	-8,738
982+25	98225.00	14.75	26.00	26.00	399.06	14	14	218	743	9,105	-9,010
						743		7,284			

STAGE 3A - WB IH 90/94 - B-29-155

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
982+24.75	98224.75	0.00	26.00	26.00	401.20	0	0	0	0	0	0
982+50	98250.00	25.25	26.00	26.00	390.98	24	24	370	24	463	-463
982+83.901	98283.90	33.90	26.40	26.00	350.11	33	33	465	57	1,044	-1,044
985+32.924	98532.92	0.00	26.00	26.00	50.96	0	0	0	57	1,044	-1,044
985+57.33	98557.33	24.41	29.61	26.00	136.16	25	24	85	82	1,150	-1,149
986+00	98600.00	42.67	26.00	26.00	500.50	44	41	503	126	1,779	-1,775
987+00	98700.00	100.00	26.43	26.00	372.43	97	96	1,617	223	3,800	-3,795
987+59.631	98759.63	59.63	29.77	26.00	315.15	62	57	759	285	4,749	-4,739
987+84.65	98784.65	25.02	31.74	26.00	325.47	28	24	297	313	5,120	-5,106
988+00	98800.00	15.35	32.70	26.00	323.85	18	15	185	331	5,351	-5,334
988+09.671	98809.67	9.67	34.08	26.00	322.16	12	9	116	343	5,496	-5,476
989+00	98900.00	90.33	20.65	26.00	110.78	92	87	724	435	6,401	-6,376
989+52.74	98952.74	52.74	34.26	26.00	51.73	54	51	159	489	6,600	-6,572
						489		5,280			

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 3A CATEGORY 0010 CONT.

STAGE 3A - WB IH 90/94 TRANSITION STAGE 3 - B-29-155 SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
989+53.046	98953.05	0.00	32.57	26.00	51.64	0	0	0	0	0	0
990+00	99000.00	46.95	45.04	26.00	22.28	67	45	64	67	80	-58
991+00	99100.00	100.00	64.83	26.00	0.00	203	96	41	270	131	-2
992+00	99200.00	100.00	52.37	26.00	0.00	217	96	0	487	131	119
992+23.825	99223.83	23.83	49.14	26.00	0.00	45	23	0	532	131	141
						532		105			

STAGE 3A - WB IH 90/94 TRANSITION STAGE 3 - B-29-153 NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1006+10.6	100610.60	0.00	61.22	26.00	0.00	0	0	0	0	0	0
1007+00	100700.00	89.40	47.15	26.00	7.53	179	86	12	179	15	78
1008+00	100800.00	100.00	43.16	26.00	25.68	167	96	62	346	93	72
1008+50	100850.00	50.00	47.15	26.00	31.68	84	48	53	430	159	41
1008+81.596	100881.60	31.60	45.43	26.00	32.56	54	30	38	484	206	18
						484		165			

STAGE 3A - WB IH 90/94 - B-29-153 NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1008+81.499	100881.50	0.00	45.43	26.00	32.56	0	0	0	0	0	0
1009+00	100900.00	18.50	49.84	26.00	29.62	33	18	21	33	26	-11
1010+00	101000.00	100.00	54.90	26.00	41.08	194	96	131	227	190	-77
1010+41.656	101041.66	41.66	59.51	26.00	50.54	88	40	71	315	279	-118
1011+00	101100.00	58.34	68.20	26.00	71.33	138	56	132	453	444	-201
1012+00	101200.00	100.00	64.85	26.00	99.00	246	96	315	699	838	-445
1012+15.19	101215.19	15.19	64.34	26.00	101.76	36	15	56	735	908	-494
1014+80.617	101480.62	0.00	58.32	26.00	323.25	0	0	0	735	908	-494
1015+00	101500.00	19.38	55.22	26.00	316.24	41	19	230	776	1,195	-759
1015+25	101525.00	25.00	51.50	26.00	307.72	49	24	289	825	1,556	-1,095
1015+93.519	101593.52	68.52	27.84	26.00	315.30	101	66	791	926	2,545	-2,049
1016+00	101600.00	6.48	37.59	26.00	324.43	8	6	77	934	2,641	-2,143
1017+00	101700.00	100.00	38.59	26.00	174.73	141	96	924	1,075	3,796	-3,253
1017+13.253	101713.25	13.25	39.77	26.00	162.29	19	13	83	1,094	3,900	-3,351
						1,094		3,120			

STAGE 3A - WB IH 90/94 TRANSITION STAGE 3 - B-29-153 SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1017+17.354	101717.35	0.00	13.33	26.00	133.63	0	0	0	0	0	0
1018+00	101800.00	82.65	19.94	26.00	92.59	51	80	346	51	433	-462
1019+00	101900.00	100.00	28.90	26.00	43.55	90	96	252	141	748	-783
1019+07.657	101907.66	7.66	29.62	26.00	41.34	8	7	12	149	763	-797
1020+00	102000.00	92.34	44.36	26.00	0.00	127	89	71	276	851	-847
1021+00	102100.00	100.00	54.24	26.00	0.00	183	96	0	459	851	-760
1021+13.31	102113.31	13.31	54.96	26.00	0.00	27	13	0	486	851	-746
1021+53.006	102153.01	39.70	56.61	26.00	0.00	82	38	0	568	851	-702
						568		681			

STAGE 3A - CTH G

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
21+18.97	2118.97	0.00	64.00	0.00	0.08	0	0	0	0	0	0
21+25	2125.00	6.03	64.69	0.00	0.00	14	0	0	14	0	14
21+38.281	2138.28	13.28	117.55	0.00	0.00	45	0	0	59	0	59
21+50	2150.00	11.72	121.93	0.00	3.38	52	0	1	111	1	110
21+75	2175.00	25.00	148.91	0.00	0.00	125	0	2	236	4	232
22+00	2200.00	25.00	124.53	0.00	398.42	127	0	184	363	234	129
22+25	2225.00	25.00	139.25	0.00	187.84	122	0	271	485	573	-88
22+50	2250.00	25.00	139.38	0.00	20.58	129	0	96	614	693	-79
22+75	2275.00	25.00	121.53	0.00	0.00	121	0	10	735	705	30
22+91.534	2291.53	16.53	20.47	0.00	13.40	43	0	4	778	710	68
22+99.998	2300.00	8.46	8.51	0.00	89.09	5	0	16	783	730	53
						783		584			

STAGE 3B CATEGORY 0010

STAGE 3B - WB IH 90/94

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
944+01.9	94401.90	0.00	69.49	26.00	0.00	0	0	0	0	0	0
945+00	94500.00	98.10	56.40	26.00	43.35	229	94	79	229	99	36
946+00	94600.00	100.00	47.79	26.00	84.17	193	96	236	422	394	-162
947+00	94700.00	100.00	50.97	26.00	128.51	183	96	394	605	886	-567
947+72.497	94772.50	72.50	62.30	26.00	193.20	152	70	432	757	1,426	-1,025
948+00	94800.00	27.50	67.82	26.00	200.82	66	26	201	823	1,678	-1,237
948+52.887	94852.89	52.89	77.38	26.00	45.06	142	51	241	965	1,979	-1,447
948+93.1	94893.10	40.21	86.72	26.00	0.00	122	39	34	1,087	2,021	-1,406
955+90.279	95590.28	0.00	74.67	27.70	0.00	0	0	0	1,087	2,021	-1,406
956+00	95600.00	9.72	83.39	27.64	4.43	28	10	1	1,115	2,023	-1,390
957+00	95700.00	100.00	67.10	29.14	38.59	279	105	80	1,394	2,123	-1,316
957+10.902	95710.90	10.90	65.29	29.36	41.50	27	12	16	1,421	2,143	-1,321
958+00	95800.00	89.10	70.77	31.24	23.07	224	100	107	1,645	2,276	-1,330
959+00	95900.00	100.00	79.16	33.30	0.00	278	120	43	1,923	2,330	-1,226
959+71.694	95971.69	71.69	85.25	34.66	0.00	218	90	0	2,141	2,330	-1,098
959+96.754	95996.75	25.06	89.77	35.07	26.68	81	32	12	2,222	2,345	-1,064
960+00	96000.00	3.25	90.29	35.12	25.41	11	4	3	2,233	2,349	-1,061
960+21.812	96021.81	21.81	91.44	35.30	20.16	73	28	18	2,306	2,371	-1,038
961+00	96100.00	78.19	95.80	35.63	6.93	271	103	39	2,577	2,420	-919
961+50	96150.00	50.00	95.15	35.68	0.00	177	66	6	2,754	2,428	-816
962+00	96200.00	50.00	93.83	35.72	0.00	175	66	0	2,929	2,428	-707
962+50	96250.00	50.00	88.72	35.56	21.95	169	66	20	3,098	2,453	-629
963+00	96300.00	50.00	84.27	35.58	0.00	160	66	20	3,258	2,478	-560
964+00	96400.00	100.00	103.01	35.56	0.00	347	132	0	3,605	2,478	-345
964+50	96450.00	50.00	135.17	35.51	0.00	221	66	0	3,826	2,478	-190
965+00	96500.00	50.00	134.52	35.63	0.00	250	66	0	4,076	2,478	-6
966+00	96600.00	100.00	233.00	35.61	0.08	681	132	0	4,757	2,478	544
967+00	96700.00	100.00	293.65	23.70	1.12	975	110	2	5,732	2,480	1,406
968+00	96800.00	100.00	120.18	24.41	0.56	766	89	3	6,498	2,484	2,079
969+00	96900.00	100.00	73.57	26.31	1.60	359	94	4	6,857	2,489	2,339
970+00	97000.00	100.00	75.29	28.20	0.77	276	101	4	7,133	2,494	2,509
971+00	97100.00	100.00	75.05	30.31	0.00	278	108	1	7,411	2,495	2,678
997+20.439	99720.44	0.00	17.81	12.00	0.00	0	0	0	7,411	2,495	2,678
998+00	99800.00	79.56	22.90	12.00	0.00	60	35	0	7,471	2,495	2,703
999+00	99900.00	100.00	17.88	12.00	0.00	76	44	0	7,547	2,495	2,735
999+25	99925.00	25.00	36.81	24.00	0.00	25	17	0	7,572	2,495	2,743
1000+00	100000.00	75.00	61.01	26.00	0.00	136	69	0	7,708	2,495	2,810
1000+00.01	100000.01	0.01	67.39	26.00	18.51	0	0	0	7,708	2,495	2,810
1001+00	100100.00	99.99	60.00	26.00	19.15	236	96	70	7,944	2,583	2,863
1002+00	100200.00	100.00	98.55	26.00	33.53	294	96	98	8,238	2,705	2,938
1002+13.8	100213.80	13.80	102.54	26.00	53.86	51	13	22	8,289	2,733	2,949
1002+27.672	100227.67	13.87	95.60	26.00	55.95	51	13	28	8,340	2,768	2,952
1003+00	100300.00	72.33	75.48	26.00	43.78	229	70	134	8,569	2,935	2,943
1004+00	100400.00	100.00	61.36	26.00	30.68	253	96	138	8,822	3,108	2,928
1005+00	100500.00	100.00	54.21	26.00	42.66	214	96	136	9,036	3,278	2,876
1005+75	100575.00	75.00	49.46	26.00	49.29	144	72	128	9,180	3,438	2,788
1006+00	100600.00	25.00	50.64	26.00	45.09	46	24	44	9,226	3,493	2,755
1006+10.427	100610.43	10.43	47.63	26.00	45.83	19	10	18	9,245	3,515	2,741
1006+75	100675.00	64.57	61.03	26.00	23.33	130	62	83	9,375	3,619	2,705
1007+00	100700.00	25.00	63.72	26.00	10.89	58	24	16	9,433	3,639	2,719
1008+00	100800.00	100.00	76.90	26.00	1.88	260	96	24	9,693	3,669	2,853
1008+81.499	100881.50	81.50	81.13	26.00	0.54	239	78	4	9,932	3,674	3,009
1017+17.256	101717.26	0.00	78.69	26.00	0.56	0	0	0	9,932	3,674	3,009
1018+00	101800.00	82.74	84.21	26.00	13.05	250	80	21	10,182	3,700	3,153
1019+00	101900.00	100.00	86.30	26.00	37.11	316	96	93	10,498	3,816	3,257
1019+06.602	101906.60	6.60	86.08	26.00	39.87	21	6	9	10,519	3,828	3,261
1020+00	102000.00	93.40	78.72	26.00	114.66	285	90	267	10,804	4,161	3,122
1021+00	102100.00	100.00	75.56	26.00	92.24	286	96	383	11,090	4,640	2,833
1021+12.71	102112.71	12.71	75.18	26.00	79.70	35	12	40	11,125	4,690	2,806
1021+52.862	102152.86	40.15	73.80	26.00	60.52	111	39	104	11,236	4,820	2,748
1022+00	102200.00	47.14	73.59	26.00	47.12	129	45	94	11,365	4,938	2,715
1023+00	102300.00	100.00	72.85	26.00	23.14	271	96	130	11,636	5,100	2,727
1024+00	102400.00	100.00	71.45	26.00	41.21	267	96	119	11,903	5,249	2,749
1024+25	102425.00	25.00	65.89	26.00	33.89	64	24	35	11,967	5,293	2,746
1025+00	102500.00	75.00	72.94	26.00	40.87	193	72	104	12,160	5,423	2,737
1026+00	102600.00	100.00	73.20	26.00	5.83	271	96	86	12,431	5,530	2,804
1027+00	102700.00	100.00	75.02	26.00	0.20	274	96	11	12,705	5,544	2,968
1027+66.246	102766.25	66.25	76.16	26.00	0.00	185	64	0	12,890	5,544	3,089
1027+76.827	102776.83	10.58	78.18	26.00	0.00	30	10	0	12,920	5,544	3,109
1028+00	102800.00	23.17	86.38	26.00	7.65	71	22	3	12,991	5,548	3,155
1028+01.958	102801.96	1.96	88.05	26.00	8.64	6	2	1	12,997	5,549	3,157
1028+27.092	102827.09	25.13	92.51	26.00	7.51	84	24	8	13,081	5,559	3,207
1029+00	102900.00	72.91	80.19	26.00	3.19	233	70	14	13,314	5,576	3,353
1029+89.38	102989.38	89.38	67.12	26.00	2.67	244	86	10	13,558	5,589	3,498
						13,558		4,471			

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 3B - WB ON RAMP XOVER X7

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
20+34.533	2034.53	0.00	0.00	0.00	0.77	0	0	0	0	0	0
20+50	2050.00	15.47	0.70	0.00	1.37	0	0	1	0	1	-1
21+00	2100.00	50.00	2.42	0.00	2.33	3	0	3	3	5	-2
21+50	2150.00	50.00	2.77	0.00	1.52	5	0	4	8	10	-2
22+00	2200.00	50.00	3.71	0.00	0.44	6	0	2	14	13	2
22+50	2250.00	50.00	15.69	0.00	0.00	18	0	0	32	13	20
23+00	2300.00	50.00	10.43	0.00	0.00	24	0	0	56	13	44
23+27.084	2327.08	27.08	11.09	0.00	0.00	11	0	0	67	13	55
23+50	2350.00	22.92	11.31	0.00	0.00	10	0	0	77	13	65
24+00	2400.00	50.00	12.06	0.00	0.00	22	0	0	99	13	87
24+50	2450.00	50.00	13.39	0.00	0.00	24	0	0	123	13	111
25+00	2500.00	50.00	14.87	0.00	0.00	26	0	0	149	13	137
25+50	2550.00	50.00	13.93	0.00	0.00	27	0	0	176	13	164
26+00	2600.00	50.00	12.10	0.00	0.00	24	0	0	200	13	188
26+50	2650.00	50.00	9.45	0.00	0.00	20	0	0	220	13	208
26+77.433	2677.43	27.43	8.54	0.00	0.01	9	0	0	229	13	217
27+00	2700.00	22.57	8.00	0.00	0.14	7	0	0	236	13	224
27+50	2750.00	50.00	6.57	0.00	0.84	13	0	1	249	14	235
28+00	2800.00	50.00	6.38	0.00	1.92	12	0	3	261	18	244
28+27.488	2827.49	27.49	8.31	0.00	2.66	7	0	2	268	20	248
28+50	2850.00	22.51	10.37	0.00	2.64	8	0	2	276	23	254
29+00	2900.00	50.00	9.86	0.00	2.00	19	0	4	295	28	268
29+50	2950.00	50.00	10.65	0.00	0.89	19	0	3	314	31	283
30+00	3000.00	50.00	15.16	0.00	0.18	24	0	1	338	33	306
30+50	3050.00	50.00	20.39	0.00	0.00	33	0	0	371	33	339
31+00	3100.00	50.00	26.55	0.00	0.00	43	0	0	414	33	382
31+50	3150.00	50.00	30.04	0.00	0.00	52	0	0	466	33	434
31+76.235	3176.24	26.24	30.95	0.00	0.00	30	0	0	496	33	464
31+88.775	3188.77	12.54	31.40	0.00	0.00	14	0	0	510	33	478
						510		26			

STAGE 3B - WB ON RAMP 'B'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
971+00	97100.00	0.00	65.34	18.32	0.00	0	0	0	0	0	0
972+00	97200.00	100.00	134.19	20.36	0.00	369	72	0	369	0	297
972+25	97225.00	25.00	162.96	13.71	0.00	138	16	0	507	0	419
973+00	97300.00	75.00	286.08	13.91	0.00	624	38	0	1,131	0	1,005
973+02.914	97302.91	2.91	261.33	3.98	0.00	30	1	0	1,161	0	1,034
973+46.052	97346.05	43.14	148.24	3.09	0.00	327	6	0	1,488	0	1,355
974+00	97400.00	53.95	210.21	0.00	4.45	358	3	4	1,846	5	1,705
974+50	97450.00	50.00	206.58	0.00	13.63	386	0	17	2,232	26	2,070
975+00	97500.00	50.00	154.00	0.00	18.44	334	0	30	2,566	64	2,366
975+25.124	97525.12	25.12	147.44	0.00	22.79	140	0	19	2,706	88	2,483
975+50.266	97550.27	25.14	131.08	0.00	30.61	130	0	25	2,836	119	2,581
976+00	97600.00	49.73	59.72	0.00	0.00	176	0	28	3,012	154	2,722
976+00.562	97600.56	0.56	0.00	0.00	0.00	1	0	0	3,013	154	2,723
						3,013		123			

STAGE 3B - WB OFF RAMP 'A'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
992+00	99200.00	0.00	110.00	0.00	0.00	0	0	0	0	0	0
993+00	99300.00	100.00	14.41	0.00	126.07	230	0	233	230	291	-61
993+50	99350.00	50.00	41.52	0.00	115.29	52	0	223	282	570	-288
994+00	99400.00	50.00	37.51	0.00	100.47	73	0	200	355	820	-465
995+00	99500.00	100.00	80.67	0.00	35.15	219	0	251	574	1,134	-560
995+79.915	99579.92	79.92	108.58	0.00	36.82	280	0	107	854	1,268	-414
995+81.764	99581.76	1.85	135.76	7.59	34.62	8	0	2	862	1,270	-408
996+00	99600.00	18.24	111.28	7.30	55.67	83	5	30	945	1,308	-368
996+85.51	99685.51	85.51	45.91	5.97	152.38	249	21	329	1,194	1,719	-551
997+00	99700.00	14.49	39.59	5.72	120.88	23	3	73	1,217	1,810	-622
998+00	99800.00	100.00	50.41	3.92	8.71	167	18	240	1,384	2,110	-773
999+00	99900.00	100.00	34.65	4.03	6.77	158	15	29	1,542	2,146	-666
999+25	99925.00	25.00	33.79	2.00	8.18	32	3	7	1,574	2,155	-646
999+50	99950.00	25.00	33.77	2.00	8.18	31	2	8	1,605	2,165	-627
999+99.777	99999.78	49.78	27.42	2.00	18.49	56	4	25	1,661	2,196	-606
						1,661		1,757			

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 3B CATEGORY 0010 CONT.

STAGE 3B - WB OFF RAMP XOVER X8

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
34+00	3400.00	0.00	31.20	0.00	0.00	0	0	0	0	0	0
34+50	3450.00	50.00	31.29	0.00	0.00	58	0	0	58	0	58
35+00	3500.00	50.00	29.65	0.00	0.38	56	0	0	114	0	114
35+50	3550.00	50.00	24.76	0.00	0.41	50	0	1	164	1	163
36+00	3600.00	50.00	23.26	0.00	0.04	44	0	0	208	1	207
36+50	3650.00	50.00	17.51	0.00	0.07	38	0	0	246	1	245
37+00	3700.00	50.00	12.49	0.00	0.53	28	0	1	274	3	272
37+50	3750.00	50.00	13.30	0.00	0.39	24	0	1	298	4	294
38+00	3800.00	50.00	11.03	0.00	0.12	23	0	0	321	4	317
38+50	3850.00	50.00	9.93	0.00	0.01	19	0	0	340	4	336
39+00	3900.00	50.00	8.95	0.00	0.00	17	0	0	357	4	353
39+50	3950.00	50.00	8.43	0.00	0.00	16	0	0	373	4	369
40+00	4000.00	50.00	8.66	0.00	0.00	16	0	0	389	4	385
40+50	4050.00	50.00	9.21	0.00	0.00	17	0	0	406	4	402
41+00	4100.00	50.00	9.48	0.00	0.00	17	0	0	423	4	419
41+50	4150.00	50.00	9.78	0.00	0.00	18	0	0	441	4	437
42+00	4200.00	50.00	8.76	0.00	0.00	17	0	0	458	4	454
42+50	4250.00	50.00	6.71	0.00	0.00	14	0	0	472	4	468
43+00	4300.00	50.00	4.64	0.00	0.00	11	0	0	483	4	479
43+10	4310.00	10.00	3.42	0.00	0.61	1	0	0	484	4	480
43+50	4350.00	40.00	0.52	0.00	0.01	3	0	0	487	4	483
43+55.91	4355.91	5.91	0.00	0.00	0.00	0	0	0	487	4	483
						487		3			

STAGE 3C CATEGORY 0010

STAGE 3C - WB IH 90/94 - WB ON RAMP

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
967+00	96700.00	0.00	5.53	12.00	0.00	0	0	0	0	0	0
968+00	96800.00	100.00	5.08	12.00	0.00	20	44	0	20	0	-24
968+50	96850.00	50.00	23.86	12.00	0.00	27	22	0	47	0	-19
969+00	96900.00	50.00	17.39	12.00	0.00	38	22	0	85	0	-3
970+00	97000.00	100.00	14.70	12.00	0.00	59	44	0	144	0	12
970+50	97050.00	50.00	13.43	12.00	0.00	26	22	0	170	0	16
971+00.36	97100.36	50.36	29.15	27.03	0.00	40	36	0	210	0	20
972+00	97200.00	99.64	31.73	24.00	0.00	112	94	0	322	0	38
973+00	97300.00	100.00	44.10	36.65	0.00	140	112	0	462	0	66
974+00	97400.00	100.00	56.91	37.37	0.00	187	137	0	649	0	116
974+50	97450.00	50.00	54.45	37.46	0.00	103	69	0	752	0	150
975+00	97500.00	50.00	53.67	37.65	0.00	100	70	0	852	0	180
975+50	97550.00	50.00	57.89	11.84	0.00	103	46	0	955	0	237
976+00	97600.00	50.00	63.84	12.05	2.49	113	22	2	1,068	3	326
977+00	97700.00	100.00	116.58	2.31	33.76	334	27	67	1,402	86	549
978+00	97800.00	100.00	43.50	0.00	74.57	296	4	201	1,698	338	590
979+00	97900.00	100.00	51.99	0.00	34.38	177	0	202	1,875	590	514
979+09.679	97909.68	9.68	53.38	0.00	25.57	19	0	11	1,894	604	519
980+00	98000.00	90.32	61.22	0.00	24.36	192	0	84	2,086	709	606
981+00	98100.00	100.00	69.20	0.00	8.35	242	0	61	2,328	785	772
982+00	98200.00	100.00	76.28	0.00	3.46	269	0	22	2,597	813	1,014
982+09.463	98209.46	9.46	76.90	0.00	2.82	27	0	1	2,624	814	1,039
982+25	98225.00	15.54	0.00	0.00	0.00	22	0	1	2,646	815	1,060
						2,646		652			

STAGE 3C- WB ON RAMP 'B'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
973+02.914	97302.91	0.00	4.33	6.30	0.00	0	0	0	0	0	0
973+42.986	97342.99	40.07	8.90	3.54	0.00	10	7	0	10	0	3
973+68.094	97368.09	25.11	11.88	1.53	0.00	10	2	0	20	0	11
973+93.18	97393.18	25.09	13.48	0.00	0.00	12	1	0	32	0	22
974+00	97400.00	6.82	13.58	0.00	0.00	3	0	0	35	0	25
975+00	97500.00	100.00	6.52	0.00	4.34	37	0	8	72	10	52
975+25.124	97525.12	25.12	6.83	0.00	8.89	6	0	6	78	18	51
975+50.266	97550.27	25.14	7.88	0.00	14.01	7	0	11	85	31	44
976+00	97600.00	49.73	22.10	0.00	31.58	28	0	42	113	84	19
977+00	97700.00	100.00	174.67	11.75	30.03	364	22	114	477	226	219
978+00	97800.00	100.00	347.90	11.72	19.63	968	43	92	1,445	341	1,029
979+00	97900.00	100.00	413.51	11.70	6.88	1,410	43	49	2,855	403	2,335
980+00	98000.00	100.00	335.76	11.68	1.28	1,388	43	15	4,243	421	3,661
981+00	98100.00	100.00	331.33	11.57	0.00	1,235	43	2	5,478	424	4,850
982+00	98200.00	100.00	195.67	11.74	0.00	976	43	0	6,454	424	5,783
983+00	98300.00	100.00	146.18	12.76	0.00	633	45	0	7,087	424	6,371
983+50	98350.00	50.00	126.84	13.56	0.00	253	24	0	7,340	424	6,600
984+00	98400.00	50.00	115.00	14.55	0.05	224	26	0	7,564	424	6,798
984+50	98450.00	50.00	113.51	20.47	0.00	212	32	0	7,776	424	6,978
985+00	98500.00	50.00	99.12	22.26	0.00	197	40	0	7,973	424	7,135
985+45.13	98545.13	45.13	11.54	0.00	30.69	92	19	26	8,065	456	7,176
985+86.598	98586.60	41.47	0.00	0.00	0.00	9	0	24	8,074	486	7,155
						8,074		389			

STAGE 3C - WB IH 90/94 - WB OFF RAMP

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
986+25	98625.00	0.00	4.87	0.00	0.00	0	0	0	0	0	0
987+00	98700.00	75.00	0.22	0.00	0.00	7	0	0	7	0	7
988+00	98800.00	100.00	2.44	0.00	10.66	5	0	20	12	25	-13
989+00	98900.00	100.00	42.87	0.00	6.21	84	0	31	96	64	32
989+50	98950.00	50.00	50.16	0.00	3.07	86	0	9	182	75	107
989+96.603	98996.60	46.60	118.45	26.00	2.45	146	22	5	328	81	225
990+00	99000.00	3.40	117.23	26.00	3.43	15	3	0	343	81	237
990+21.535	99021.53	21.53	143.56	33.45	14.11	104	24	7	447	90	308
990+46.45	99046.45	24.91	140.71	38.74	5.23	131	33	9	578	101	395
991+00	99100.00	53.55	183.66	45.17	0.00	322	83	5	900	108	628
992+00	99200.00	100.00	165.29	39.73	0.00	646	157	0	1,546	108	1,117
992+23.573	99223.57	23.57	167.30	40.00	0.00	145	35	0	1,691	108	1,227
993+00	99300.00	76.43	143.22	39.49	0.00	439	113	0	2,130	108	1,553
994+00	99400.00	100.00	122.12	34.45	0.00	491	137	0	2,621	108	1,907
995+00	99500.00	100.00	101.31	32.81	0.00	414	125	0	3,035	108	2,196
995+50	99550.00	50.00	90.65	31.95	0.00	178	60	0	3,213	108	2,314
996+00	99600.00	50.00	50.61	31.22	0.00	131	58	0	3,344	108	2,387
997+00	99700.00	100.00	40.92	29.66	0.00	169	113	0	3,513	108	2,443
997+25	99725.00	25.00	19.68	29.24	0.00	28	27	0	3,541	108	2,444
998+00	99800.00	75.00	18.87	12.00	0.00	54	57	0	3,595	108	2,441
999+00	99900.00	100.00	19.93	12.00	0.00	72	44	0	3,667	108	2,469
999+21.579	99921.58	21.58	21.57	12.00	0.00	17	10	0	3,684	108	2,476
1000+00	100000.00	78.42	3.08	0.00	0.00	36	17	0	3,720	108	2,495
1001+00	100100.00	100.00	3.04	0.00	0.00	11	0	0	3,731	108	2,506
1002+00	100200.00	100.00	3.08	0.00	0.00	11	0	0	3,742	108	2,517
1002+05	100205.00	5.00	3.05	0.00	0.00	1	0	0	3,743	108	2,518
1003+00	100300.00	95.00	0.00	0.00	0.00	5	0	0	3,748	108	2,523
						3,748		86			

STAGE 3C - WB OFF RAMP 'A'

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
987+00	98700.00	0.00	99.97	0.00	0.00	0	0	0	0	0	0
987+50	98750.00	50.00	16.58	0.00	0.02	108	0	0	108	0	108
988+00	98800.00	50.00	44.06	0.00	1.50	56	0	1	164	1	163
988+50	98850.00	50.00	107.66	0.00	0.00	140	0	1	304	3	302
989+00	98900.00	50.00	139.87	0.00	0.00	229	0	0	533	3	531
989+50	98950.00	50.00	160.61	0.00	0.00	278	0	0	811	3	809
990+00	99000.00	50.00	154.82	0.00	0.00	292	0	0	1,103	3	1,101
990+50	99050.00	50.00	51.37	0.00	0.00	191	0	0	1,294	3	1,292
991+00	99100.00	50.00	44.21	0.00	0.00	89	0	0	1,383	3	1,381
991+50	99150.00	50.00	53.25	0.00	0.00	90	0	0	1,473	3	1,471
992+00	99200.00	50.00	9.32	0.00	0.00	58	0	0	1,531	3	1,529
						1,531		2			

PROJECT NO: 1016-05-70
HWY: IH 90/94
COUNTY: JUNEAU
EARTHWORK
SHEET:
1014
E

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 4 CATEGORY 0010

STAGE 4 - IH 90/94 MEDIAN

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
935+35.821	93535.82	0.00	45.13	0.00	0.00	0	0	0	0	0	0
936+00	93600.00	64.18	63.55	0.00	0.00	129	0	0	129	0	129
937+00	93700.00	100.00	42.63	0.00	5.67	197	0	10	326	13	314
938+00	93800.00	100.00	61.27	0.00	14.05	192	0	37	518	59	459
938+12.675	93812.67	12.67	67.59	0.00	16.06	30	0	7	548	68	481
939+00	93900.00	87.33	78.89	0.00	7.24	237	0	38	785	115	670
940+00	94000.00	100.00	89.77	0.00	1.31	312	0	16	1,097	135	962
941+00	94100.00	100.00	115.97	0.00	0.25	381	0	3	1,478	139	1,339
942+00	94200.00	100.00	109.41	0.00	0.02	417	0	1	1,895	140	1,755
943+00	94300.00	100.00	112.79	0.00	0.01	411	0	0	2,306	140	2,166
944+00	94400.00	100.00	99.45	0.00	0.61	393	0	1	2,699	141	2,558
944+05.765	94405.77	5.77	99.54	0.00	0.66	21	0	0	2,720	141	2,579
945+00	94500.00	94.23	100.12	0.00	0.33	348	0	2	3,068	144	2,924
945+13.124	94513.12	13.12	98.95	0.00	0.34	48	0	0	3,116	144	2,972
946+00	94600.00	86.88	103.20	0.00	0.97	325	0	2	3,441	146	3,295
947+00	94700.00	100.00	88.07	0.00	2.47	354	0	6	3,795	154	3,641
947+02.97	94702.97	2.97	87.75	0.00	2.47	10	0	0	3,805	154	3,651
948+00	94800.00	97.03	64.97	0.00	3.14	274	0	10	4,079	166	3,913
948+10.794	94810.79	10.79	63.91	0.00	3.36	26	0	1	4,105	168	3,938
948+35.794	94835.79	25.00	69.90	0.00	3.62	62	0	3	4,167	171	3,996
948+60.794	94860.79	25.00	74.08	0.00	3.60	67	0	3	4,234	175	4,059
949+00	94900.00	39.21	74.01	0.00	5.07	108	0	6	4,342	183	4,160
950+00	95000.00	100.00	70.53	0.00	7.70	268	0	24	4,610	213	4,398
951+00	95100.00	100.00	61.84	0.00	5.68	245	0	25	4,855	244	4,611
951+20.579	95120.58	20.58	66.24	0.00	7.01	49	0	5	4,904	250	4,654
952+79	95279.00	0.00	16.57	0.00	15.30	0	0	0	4,904	250	4,654
953+00	95300.00	21.00	46.63	0.00	8.01	25	0	9	4,929	261	4,668
953+11.759	95311.76	11.76	62.46	0.00	5.81	24	0	3	4,953	265	4,688
954+00	95400.00	88.24	68.38	0.00	6.81	214	0	21	5,167	291	4,876
954+76.854	95476.85	76.85	69.54	0.00	6.36	196	0	19	5,363	315	5,048
955+00	95500.00	23.15	69.96	0.00	5.93	60	0	5	5,423	321	5,102
955+01.854	95501.85	1.85	70.05	0.00	5.88	5	0	0	5,428	321	5,107
955+26.854	95526.85	25.00	73.09	0.00	4.20	66	0	5	5,494	328	5,167
955+58.307	95558.31	31.45	74.50	0.00	2.71	86	0	4	5,580	333	5,248
955+83.256	95583.26	24.95	72.30	0.00	2.21	68	0	2	5,648	335	5,313
956+00	95600.00	16.74	69.46	0.00	1.63	44	0	1	5,692	336	5,356
956+08.189	95608.19	8.19	68.12	0.00	1.38	21	0	0	5,713	336	5,377
957+00	95700.00	91.81	82.99	0.00	0.06	257	0	2	5,970	339	5,631
958+00	95800.00	100.00	95.71	0.00	0.00	331	0	0	6,301	339	5,962
958+44.222	95844.22	44.22	101.82	0.00	0.00	162	0	0	6,463	339	6,124
959+00	95900.00	55.78	93.98	0.00	0.00	202	0	0	6,665	339	6,326
960+00	96000.00	100.00	81.40	0.00	0.00	325	0	0	6,990	339	6,651
961+00	96100.00	100.00	86.28	0.00	0.00	311	0	0	7,301	339	6,962
962+00	96200.00	100.00	91.77	0.00	0.00	330	0	0	7,631	339	7,292
963+00	96300.00	100.00	98.12	0.00	0.00	352	0	0	7,983	339	7,644
963+00.987	96300.99	0.99	98.12	0.00	0.00	4	0	0	7,987	339	7,648
964+00	96400.00	99.01	83.35	0.00	0.00	333	0	0	8,320	339	7,981
965+00	96500.00	100.00	92.33	0.00	0.72	325	0	1	8,645	340	8,305
966+00	96600.00	100.00	103.44	0.00	0.00	363	0	1	9,008	341	8,667
967+00	96700.00	100.00	103.18	0.00	0.00	383	0	0	9,391	341	9,050
968+00	96800.00	100.00	102.13	0.00	0.00	380	0	0	9,771	341	9,430
969+00	96900.00	100.00	102.13	0.00	0.00	378	0	0	10,149	341	9,808
970+00	97000.00	100.00	103.55	0.00	0.00	381	0	0	10,530	341	10,189
971+00	97100.00	100.00	98.99	0.00	0.00	375	0	0	10,905	341	10,564
972+00	97200.00	100.00	87.19	0.00	1.43	345	0	3	11,250	345	10,905
973+00	97300.00	100.00	81.48	0.00	1.95	312	0	6	11,562	353	11,210
974+00	97400.00	100.00	66.78	0.00	7.59	275	0	18	11,837	375	11,462
975+00	97500.00	100.00	59.70	0.00	11.90	234	0	36	12,071	420	11,651
975+86.938	97586.94	86.94	59.08	0.00	16.91	191	0	46	12,262	478	11,785
976+00	97600.00	13.06	58.12	0.00	17.88	28	0	8	12,290	488	11,803
976+37.326	97637.33	37.33	55.20	0.00	20.41	78	0	26	12,368	520	11,848
976+74.914	97674.91	37.59	52.57	0.00	22.03	75	0	30	12,443	558	11,886
977+00	97700.00	25.09	51.17	0.00	22.95	48	0	21	12,491	584	11,907
978+00	97800.00	100.00	46.65	0.00	27.45	181	0	93	12,672	700	11,972
979+00	97900.00	100.00	36.17	0.00	35.45	153	0	116	12,825	845	11,980
979+35.824	97935.82	35.82	32.70	0.00	37.72	46	0	49	12,871	906	11,965
979+60.844	97960.84	25.02	36.66	0.00	39.03	32	0	36	12,903	951	11,952
979+85.863	97985.86	25.02	39.04	0.00	39.82	35	0	37	12,938	998	11,941
980+00	98000.00	14.14	39.37	0.00	40.16	21	0	21	12,959	1,024	11,935
981+00	98100.00	100.00	34.49	0.00	46.05	137	0	160	13,096	1,224	11,872
981+50	98150.00	50.00	28.84	0.00	50.57	59	0	89	13,155	1,335	11,820
982+00	98200.00	50.00	22.57	0.00	51.87	48	0	95	13,203	1,454	11,749
982+10.001	98210.00	10.00	19.65	0.00	53.44	8	0	20	13,211	1,479	11,732
982+25.094	98225.09	15.09	16.72	0.00	35.27	10	0	25	13,221	1,510	11,711
982+58.381	98258.38	33.29	0.00	0.00	0.00	10	0	22	13,231	1,538	11,694
984+90	98490.00	0.00	0.00	0.00	141.69	0	0	0	13,231	1,538	11,694
985+00	98500.00	10.00	0.00	0.00	116.95	0	0	48	13,231	1,598	11,634
985+50	98550.00	50.00	6.78	0.00	38.93	6	0	144	13,237	1,778	11,460
986+00	98600.00	50.00	19.09	0.00	53.15	24	0	85	13,261	1,884	11,377
987+00	98700.00	100.00	32.76	0.00	39.02	96	0	171	13,357	2,098	11,260
987+60.021	98760.02	60.02	36.51	0.00	31.70	77	0	79	13,434	2,196	11,238
987+85.108	98785.11	25.09	35.43	0.00	29.83	33	0	29	13,467	2,233	11,235
988+00	98800.00	14.89	33.78	0.00	28.80	19	0	16	13,486	2,253	11,234
988+10.079	98810.08	10.08	32.45	0.00	28.20	12	0	11	13,498	2,266	11,232
989+00	98900.00	89.92	44.66	0.00	19.36	128	0	79	13,626	2,365	11,261
990+00	99000.00	100.00	55.45	0.00	8.94	185	0	52	13,811	2,430	11,381
991+00	99100.00	100.00	73.48	0.00	3.34	239	0	23	14,050	2,459	11,591
991+12.904	99112.90	12.90	73.81	0.00	3.29	35	0	2	14,085	2,461	11,624
992+00	99200.00	87.10	72.55	0.00	3.60	236	0	11	14,321	2,475	11,846
993+00	99300.00	100.00	69.63	0.00	3.57	263	0	13	14,584	2,491	12,093
994+00	99400.00	100.00	72.30	0.00	2.71	263	0	12	14,847	2,506	12,341
995+00	99500.00	100.00	93.63	0.00	0.10	307	0	5	15,154	2,513	12,642
996+00	99600.00	100.00	123.98	0.00	0.00	403	0	0	15,557	2,513	13,045
997+00	99700.00	100.00	122.67	0.00	0.00	457	0	0	16,014	2,513	13,502
997+11.712	99711.71	11.71	122.31	0.00	0.00	53	0	0	16,067	2,513	13,555
998+00	99800.00	88.29	117.52	0.00	0.00	392	0	0	16,459	2,513	13,947
999+00	99900.00	100.00	119.13	0.00	0.00	438	0	0	16,897	2,513	14,385
999+25	99925.00	25.00	120.41	0.00	0.00	111	0	0	17,008	2,513	14,496
1000+00	100000.00	75.00	119.92	0.00	0.00	334	0	0	17,342	2,513	14,830

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STAGE 4 CATEGORY 0010 CONT.

CONTINUED FROM PREVIOUS PAGE

STAGE 4 - IH 90/94 MEDIAN

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
1001+00	100100.00	100.00	112.35	0.00	0.00	430	0	0	17,772	2,513	15,260
1002+00	100200.00	100.00	105.80	0.00	0.67	404	0	1	18,176	2,514	15,662
1002+13.8	100213.80	13.80	105.74	0.00	1.02	54	0	0	18,230	2,514	15,716
1002+28.891	100228.89	15.09	106.11	0.00	0.96	59	0	1	18,289	2,515	15,774
1003+00	100300.00	71.11	110.02	0.00	0.10	285	0	1	18,574	2,516	16,058
1004+00	100400.00	100.00	116.18	0.00	0.00	419	0	0	18,993	2,516	16,477
1005+00	100500.00	100.00	95.78	0.00	0.00	393	0	0	19,386	2,516	16,870
1005+75	100575.00	75.00	104.29	0.00	0.00	278	0	0	19,664	2,516	17,148
1006+00	100600.00	25.00	108.25	0.00	0.00	98	0	0	19,762	2,516	17,246
1006+75	100675.00	75.00	127.07	0.00	0.00	327	0	0	20,089	2,516	17,573
1007+00	100700.00	25.00	128.77	0.00	0.07	118	0	0	20,207	2,516	17,691
1008+00	100800.00	100.00	138.79	0.00	1.97	495	0	4	20,702	2,521	18,181
1009+00	100900.00	100.00	150.91	0.00	0.94	536	0	5	21,238	2,528	18,711
1010+00	101000.00	100.00	144.94	0.00	0.23	548	0	2	21,786	2,530	19,256
1010+16.612	101016.61	16.61	142.23	0.00	0.12	88	0	0	21,874	2,530	19,344
1010+41.632	101041.63	25.02	144.11	0.00	0.03	133	0	0	22,007	2,530	19,477
1010+66.651	101066.65	25.02	143.97	0.00	0.00	133	0	0	22,140	2,530	19,610
1011+00	101100.00	33.35	140.20	0.00	0.00	175	0	0	22,315	2,530	19,785
1011+50	101150.00	50.00	103.26	0.00	0.00	225	0	0	22,540	2,530	20,010
1011+97.09	101197.09	47.09	99.89	0.00	0.00	177	0	0	22,717	2,530	20,187
1014+70.243	101470.24	0.00	63.63	0.00	1.81	0	0	0	22,717	2,530	20,187
1015+00	101500.00	29.76	90.01	0.00	3.23	85	0	3	22,802	2,534	20,268
1015+25	101525.00	25.00	94.74	0.00	2.73	86	0	3	22,888	2,538	20,351
1015+94.169	101594.17	69.17	106.32	0.00	8.01	258	0	14	23,146	2,555	20,591
1016+00	101600.00	5.83	105.58	0.00	8.17	23	0	2	23,169	2,558	20,612
1017+00	101700.00	100.00	86.23	0.00	12.53	355	0	38	23,524	2,605	20,919
1017+37.732	101737.73	37.73	75.86	0.00	15.33	113	0	19	23,637	2,629	21,008
1017+62.872	101762.87	25.14	67.17	0.00	16.15	67	0	15	23,704	2,648	21,057
1017+87.964	101787.96	25.09	57.53	0.00	14.76	58	0	14	23,762	2,665	21,097
1018+00	101800.00	12.04	60.71	0.00	13.50	26	0	6	23,788	2,673	21,116
1019+00	101900.00	100.00	90.12	0.00	7.66	279	0	39	24,067	2,721	21,346
1019+11.645	101911.64	11.64	93.34	0.00	7.33	40	0	3	24,107	2,725	21,382
1020+00	102000.00	88.36	116.89	0.00	4.72	344	0	20	24,451	2,750	21,701
1021+00	102100.00	100.00	137.87	0.00	2.33	472	0	13	24,923	2,766	22,157
1021+18.605	102118.60	18.60	140.33	0.00	1.68	96	0	1	25,019	2,768	22,252
1022+00	102200.00	81.40	133.14	0.00	1.62	412	0	5	25,431	2,774	22,657
1023+00	102300.00	100.00	124.20	0.00	1.46	477	0	6	25,908	2,781	23,127
1024+00	102400.00	100.00	118.22	0.00	0.96	449	0	4	26,357	2,786	23,571
1024+34.335	102434.34	34.34	115.91	0.00	0.79	149	0	1	26,506	2,788	23,719
1025+00	102500.00	65.66	113.08	0.00	0.48	278	0	2	26,784	2,790	23,994
1026+00	102600.00	100.00	109.12	0.00	0.33	411	0	2	27,195	2,793	24,403
1027+00	102700.00	100.00	104.40	0.00	2.67	395	0	6	27,590	2,800	24,790
1027+08.5	102708.50	8.50	106.48	0.00	2.98	33	0	1	27,623	2,801	24,822
1027+75	102775.00	66.50	101.91	0.00	5.29	257	0	10	27,880	2,814	25,066
1028+00	102800.00	25.00	104.21	0.00	4.98	95	0	5	27,975	2,820	25,155
1028+29.44	102829.44	29.44	106.67	0.00	4.26	115	0	5	28,090	2,826	25,264
1029+00	102900.00	70.56	116.06	0.00	1.84	291	0	8	28,381	2,836	25,545
1030+00	103000.00	100.00	136.88	0.00	0.00	468	0	3	28,849	2,840	26,009
1030+01.05	103001.05	1.05	140.99	0.00	0.00	5	0	0	28,854	2,840	26,014
1031+00	103100.00	98.95	115.07	0.00	0.00	469	0	0	29,323	2,840	26,483
1032+00	103200.00	100.00	94.09	0.00	0.00	387	0	0	29,710	2,840	26,870
1033+00	103300.00	100.00	85.56	0.00	0.00	333	0	0	30,043	2,840	27,203
1034+00	103400.00	100.00	65.93	0.00	0.00	281	0	0	30,324	2,840	27,484
1035+00	103500.00	100.00	49.39	0.00	0.00	214	0	0	30,538	2,840	27,698
1036+00	103600.00	100.00	40.58	0.00	0.00	167	0	0	30,705	2,840	27,865
1036+30.564	103630.56	30.56	30.89	0.00	0.00	40	0	0	30,745	2,840	27,905
						30,745		2,272			

PLOT DATE : OCT 2021
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

STAGE 2A CATEGORY 0080

STAGE 2A - EXISTING EB STH 82 - CAT 080

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
130+23.65	13023.65	0.00	27.98	0.00	0.00	0	0	0	0	0	0
130+50	13050.00	26.35	31.91	0.00	0.00	29	0	0	29	0	29
131+00	13100.00	50.00	34.91	0.00	0.00	62	0	0	91	0	91
131+50	13150.00	50.00	41.90	0.00	0.00	71	0	0	162	0	162
131+81.034	13181.03	31.03	28.81	0.00	0.00	41	0	0	203	0	203
132+00	13200.00	18.97	18.42	0.00	0.00	17	0	0	220	0	220
132+50	13250.00	50.00	19.26	0.00	0.12	35	0	0	255	0	255
133+00	13300.00	50.00	20.81	0.00	0.03	37	0	0	292	0	292
133+50	13350.00	50.00	20.18	0.00	0.36	38	0	0	330	0	330
134+00	13400.00	50.00	24.27	0.00	0.00	41	0	0	371	0	371
134+50	13450.00	50.00	21.88	0.00	0.04	43	0	0	414	0	414
134+79.697	13479.70	29.70	9.07	0.00	0.00	17	0	0	431	0	431
135+00	13500.00	20.30	9.00	0.00	0.00	7	0	0	438	0	438
135+50	13550.00	50.00	8.84	0.00	0.00	17	0	0	455	0	455
136+00	13600.00	50.00	6.25	0.00	0.00	14	0	0	469	0	469
136+50	13650.00	50.00	3.83	0.00	0.00	9	0	0	478	0	478
136+96.886	13696.89	46.89	0.00	0.00	0.00	3	0	0	481	0	481
						481		0			

STAGE 2B CATEGORY 0080

STAGE 2B - EB STH 82 - CAT 080 - WEST

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
132+95.932	13295.93	0.00	55.26	0.00	2.58	0	0	0	0	0	0
133+00	13300.00	4.07	55.53	0.00	2.33	8	0	0	8	0	8
133+50	13350.00	50.00	63.60	0.00	0.17	110	0	2	118	3	116
134+00	13400.00	50.00	74.85	0.00	0.00	128	0	0	246	3	244
134+50	13450.00	50.00	88.95	0.00	0.00	152	0	0	398	3	396
135+00	13500.00	50.00	101.65	0.00	0.00	176	0	0	574	3	572
135+50	13550.00	50.00	110.47	0.00	0.00	196	0	0	770	3	768
136+00	13600.00	50.00	120.75	0.00	0.00	214	0	0	984	3	982
136+50	13650.00	50.00	131.79	0.00	0.00	234	0	0	1,218	3	1,216
137+00	13700.00	50.00	134.54	0.00	0.00	247	0	0	1,465	3	1,463
137+50	13750.00	50.00	129.78	0.00	0.00	245	0	0	1,710	3	1,708
138+00	13800.00	50.00	121.47	0.00	0.00	233	0	0	1,943	3	1,941
138+42.712	13842.71	42.71	152.78	0.00	0.00	217	0	0	2,160	3	2,158
						2,160		2			

STAGE 2B - EB STH 82 - CAT 080 - EAST

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
152+69.974	15269.97	0.00	72.62	0.00	0.00	0	0	0	0	0	0
153+00	15300.00	30.03	71.48	0.00	0.00	80	0	0	80	0	80
153+50	15350.00	50.00	75.55	0.00	0.00	136	0	0	216	0	216
154+00	15400.00	50.00	78.96	0.00	0.00	143	0	0	359	0	359
154+50	15450.00	50.00	77.56	0.00	0.00	145	0	0	504	0	504
155+00	15500.00	50.00	90.19	0.00	0.00	155	0	0	659	0	659
155+50	15550.00	50.00	95.25	0.00	0.00	172	0	0	831	0	831
156+00	15600.00	50.00	104.10	0.00	0.00	185	0	0	1,016	0	1,016
156+25	15625.00	25.00	103.26	0.00	0.00	96	0	0	1,112	0	1,112
156+50	15650.00	25.00	104.88	0.00	0.00	96	0	0	1,208	0	1,208
157+00	15700.00	50.00	116.73	0.00	0.00	205	0	0	1,413	0	1,413
157+50	15750.00	50.00	107.65	0.00	0.00	208	0	0	1,621	0	1,621
158+00	15800.00	50.00	79.17	0.00	0.00	173	0	0	1,794	0	1,794
158+50	15850.00	50.00	72.99	0.00	0.00	141	0	0	1,935	0	1,935
159+00	15900.00	50.00	70.51	0.00	0.00	133	0	0	2,068	0	2,068
159+21.984	15921.98	21.98	71.72	0.00	0.00	58	0	0	2,126	0	2,126
159+25	15925.00	3.02	13.77	0.00	0.00	5	0	0	2,131	0	2,131
159+50	15950.00	25.00	12.84	0.00	0.00	12	0	0	2,143	0	2,143
160+00	16000.00	50.00	13.07	0.00	0.00	24	0	0	2,167	0	2,167
160+50	16050.00	50.00	14.90	0.00	0.00	26	0	0	2,193	0	2,193
161+00	16100.00	50.00	13.36	0.00	0.00	26	0	0	2,219	0	2,219
161+50	16150.00	50.00	13.99	0.00	0.00	25	0	0	2,244	0	2,244
162+00	16200.00	50.00	16.20	0.00	0.00	28	0	0	2,272	0	2,272
162+25	16225.00	25.00	14.60	0.00	0.00	14	0	0	2,286	0	2,286
162+34.971	16234.97	9.97	9.43	0.00	0.00	4	0	0	2,290	0	2,290
						2,290		0			

STAGE 2D CATEGORY 0080

STAGE 2E - WB STH 82 - CAT 080 - WEST

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
131+85.454	13185.45	0.00	73.44	0.00	0.00	0	0	0	0	0	0
132+00	13200.00	14.55	69.65	0.00	0.00	39	0	0	39	0	39
132+50	13250.00	50.00	74.76	0.00	0.00	134	0	0	173	0	173
133+00	13300.00	50.00	72.67	0.00	0.00	137	0	0	310	0	310
133+50	13350.00	50.00	75.91	0.00	0.00	138	0	0	448	0	448
134+00	13400.00	50.00	70.82	0.00	0.00	136	0	0	584	0	584
134+50	13450.00	50.00	76.00	0.00	0.00	136	0	0	720	0	720
135+00	13500.00	50.00	99.47	0.00	0.00	162	0	0	882	0	882
135+50	13550.00	50.00	110.00	0.00	0.00	194	0	0	1,076	0	1,076
136+00	13600.00	50.00	135.59	0.00	0.00	227	0	0	1,303	0	1,303
136+50	13650.00	50.00	138.97	0.00	0.00	254	0	0	1,557	0	1,557
137+00	13700.00	50.00	143.75	0.00	0.00	262	0	0	1,819	0	1,819
137+50	13750.00	50.00	126.39	0.00	0.51	250	0	0	2,069	0	2,069
138+00	13800.00	50.00	110.57	0.00	0.00	219	0	0	2,288	0	2,288
138+41.031	13841.03	41.03	104.79	0.00	0.00	164	0	0	2,452	0	2,452
						2,452		0			

STAGE 2D - WB STH 82 - CAT 080 - EAST

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
152+66.481	15266.48	0.00	81.26	0.00	1.45	0	0	0	0	0	0
153+00	15300.00	33.52	77.38	0.00	1.65	98	0	2	98	3	96
153+50	15350.00	50.00	79.29	0.00	0.00	145	0	2	243	5	238
154+00	15400.00	50.00	70.85	0.00	0.00	139	0	0	382	5	377
154+50	15450.00	50.00	120.81	0.00	0.00	177	0	0	559	5	554
155+00	15500.00	50.00	90.80	0.00	0.00	196	0	0	755	5	750
155+50	15550.00	50.00	97.95	0.00	0.00	175	0	0	930	5	925
156+00	15600.00	50.00	107.73	0.00	0.00	190	0	0	1,120	5	1,115
156+50	15650.00	50.00	103.53	0.00	0.00	196	0	0	1,316	5	1,311
157+00	15700.00	50.00	99.56	0.00	0.00	188	0	0	1,504	5	1,499
157+13.685	15713.68	13.68	101.86	0.00	0.06	51	0	0	1,555	5	1,550
157+49.315	15749.32	35.63	88.55	0.00	4.32	126	0	3	1,681	9	1,672
157+50	15750.00	0.68	76.89	0.00	0.00	2	0	0	1,683	9	1,674
158+00	15800.00	50.00	85.52	0.00	0.00	150	0	0	1,833	9	1,824
158+50	15850.00	50.00	79.19	0.00	0.00	153	0	0	1,986	9	1,977
159+00	15900.00	50.00	76.93	0.00	0.00	145	0	0	2,131	9	2,122
159+18.49	15918.49	18.49	95.27	0.00	0.24	59	0	0	2,190	9	2,181
159+50	15950.00	31.51	16.77	0.00	0.00	65	0	0	2,255	9	2,246
160+00	16000.00	50.00	15.37	0.00	0.00	30	0	0	2,285	9	2,276
160+50	16050.00	50.00	16.20	0.00	0.00	29	0	0	2,314	9	2,305
161+00	16100.00	50.00	15.08	0.00	0.00	29	0	0	2,343	9	2,334
161+50	16150.00	50.00	13.86	0.00	0.00	27	0	0	2,370	9	2,361
162+00	16200.00	50.00	12.96	0.00	0.00	25	0	0	2,395	9	2,386
162+30.44	16230.44	30.44	14.51	0.00	0.00	15	0	0	2,410	9	2,401
						2,410		7			

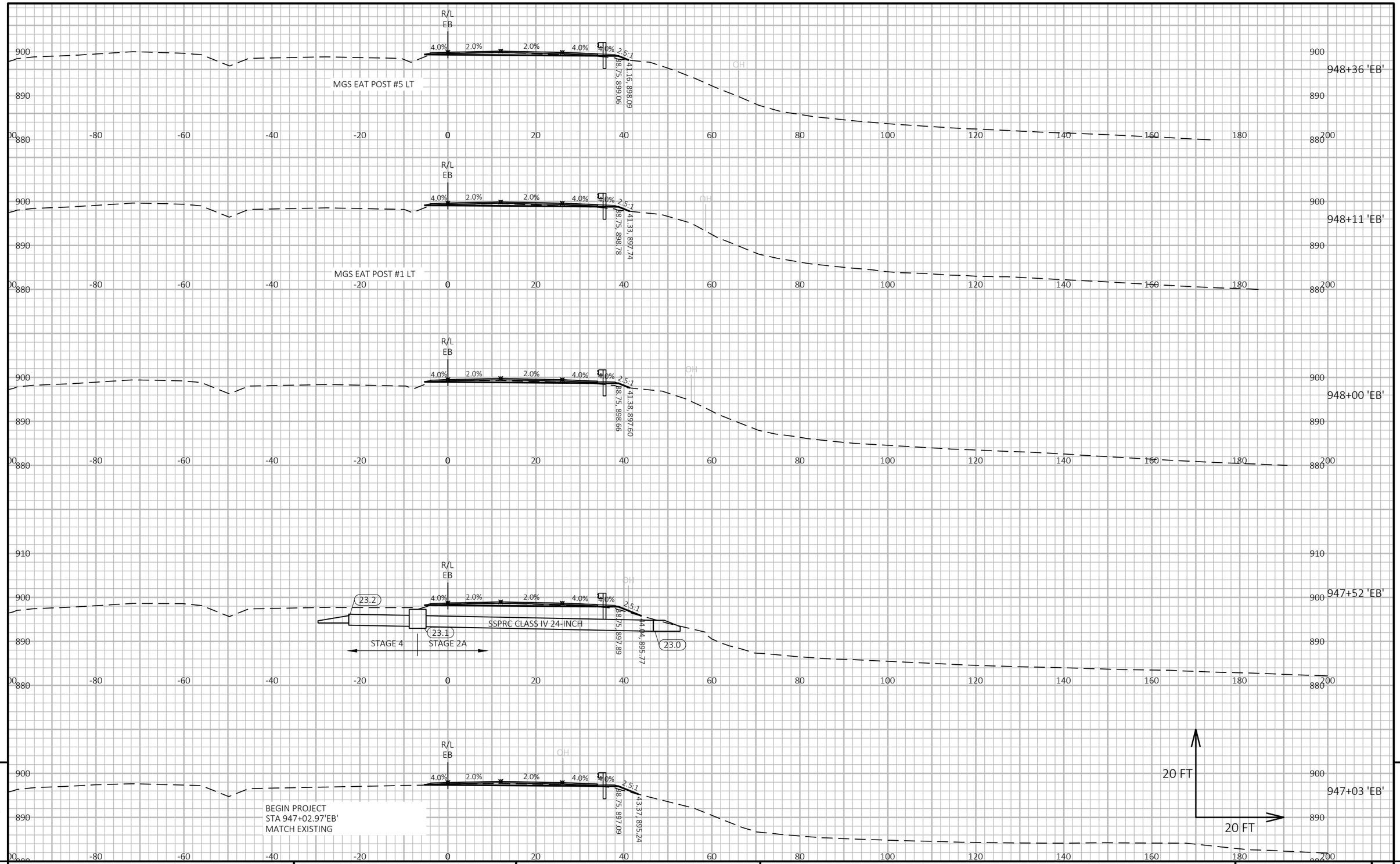
STAGE 2D - COMMERICAL ST - CAT 080

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
05+24.001	524.00	0.00	273.72	0.00	0.00	0	0	0	0	0	0
05+25	525.00	1.00	250.12	0.00	0.00	10	0	0	10	0	10
05+50	550.00	25.00	131.39	0.00	5.23	177	0	2	187	3	185
05+75	575.00	25.00	92.95	0.00	0.00	104	0	2	291	5	286
06+00	600.00	25.00	114.94	0.00	0.00	96	0	0	387	5	382
06+05.027	605.03	5.03	44.22	0.00	0.00	15	0	0	402	5	397
						402		4			

STAGE 2F CATEGORY 0080

STAGE 2F - EB STH 82 - CAT 080

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
131+84.349	13184.35	0.00	61.93	0.00	1.06	0	0	0	0	0	0
132+00	13200.00	15.65	48.73	0.00	1.90	32	0	1	32	1	31
132+25	13225.00	25.00	49.96	0.00	2.61	46	0	2	78	4	74
132+50	13250.00	25.00	53.11	0.00	2.85	48	0	3	126	8	119
132+75	13275.00	25.00	55.36	0.00	0.98	50	0	2	176	10	166
132+95.909	13295.91	20.91	60.21	0.00	0.00	45	0	0	221	10	211
133+00	13300.00	4.09	0.00	0.00	0.00	5	0	0	226	10	216
						226		8			

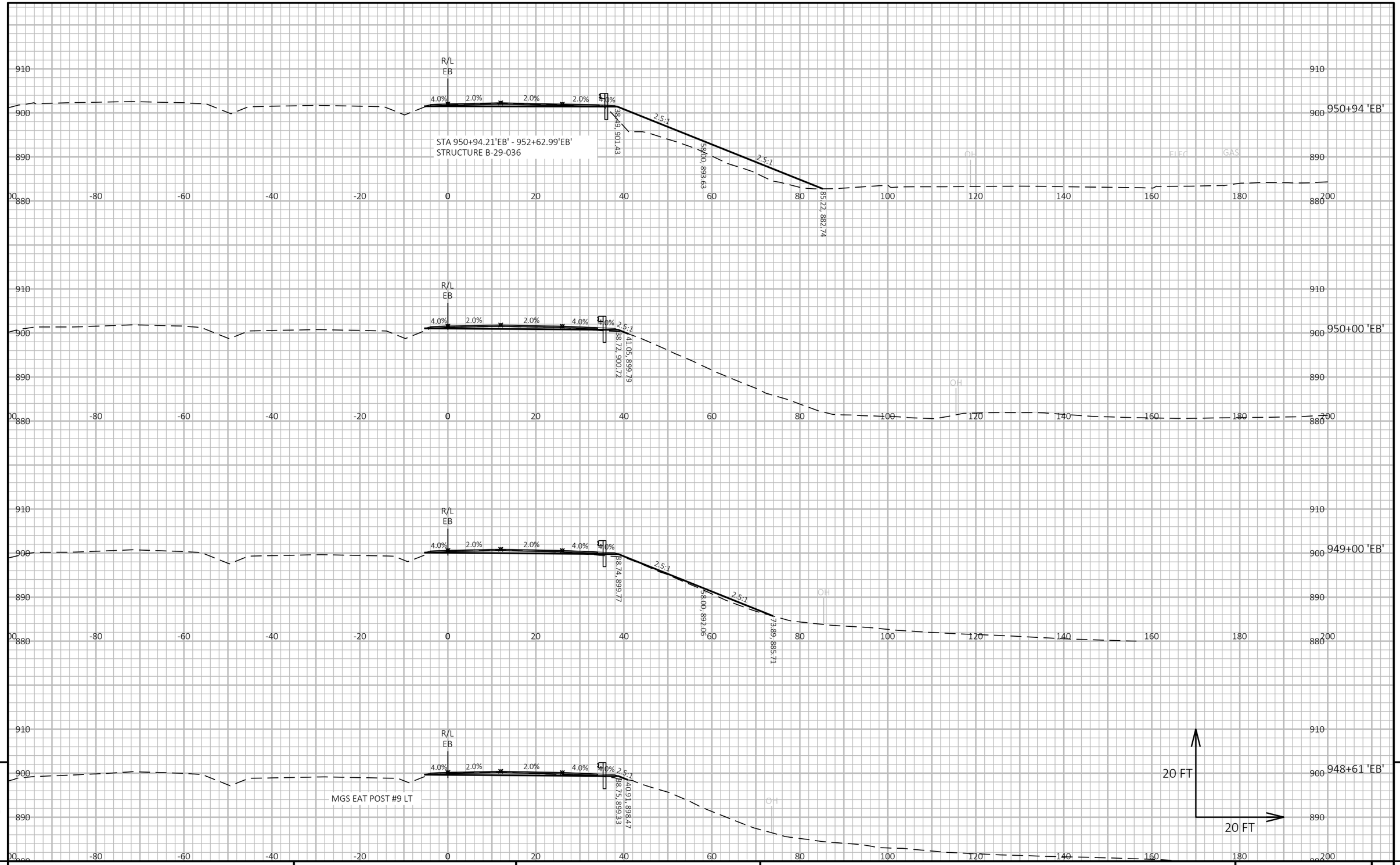


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1019	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 11/15/2021 12:19 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

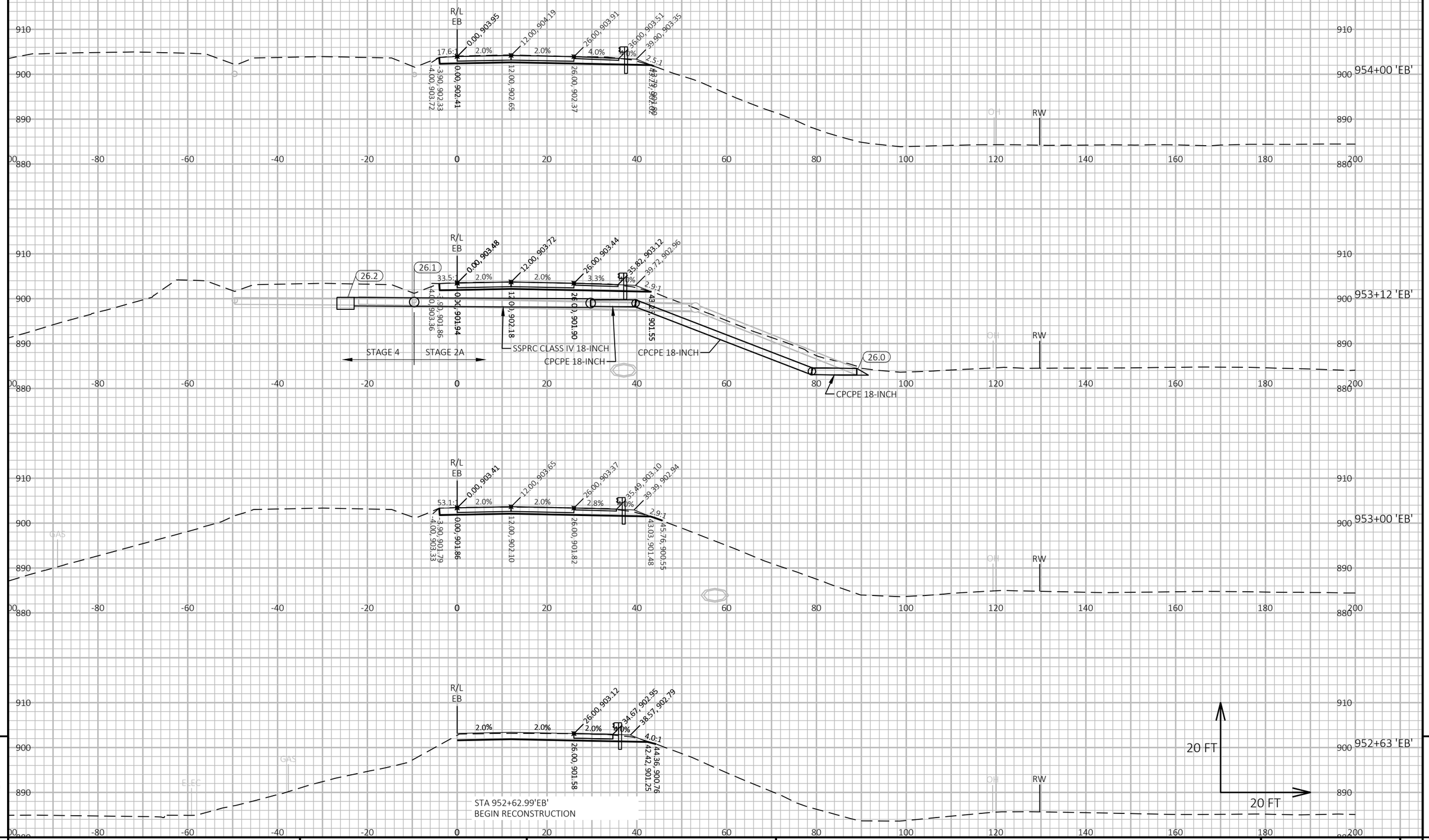
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1020	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 11/15/2021 12:19 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

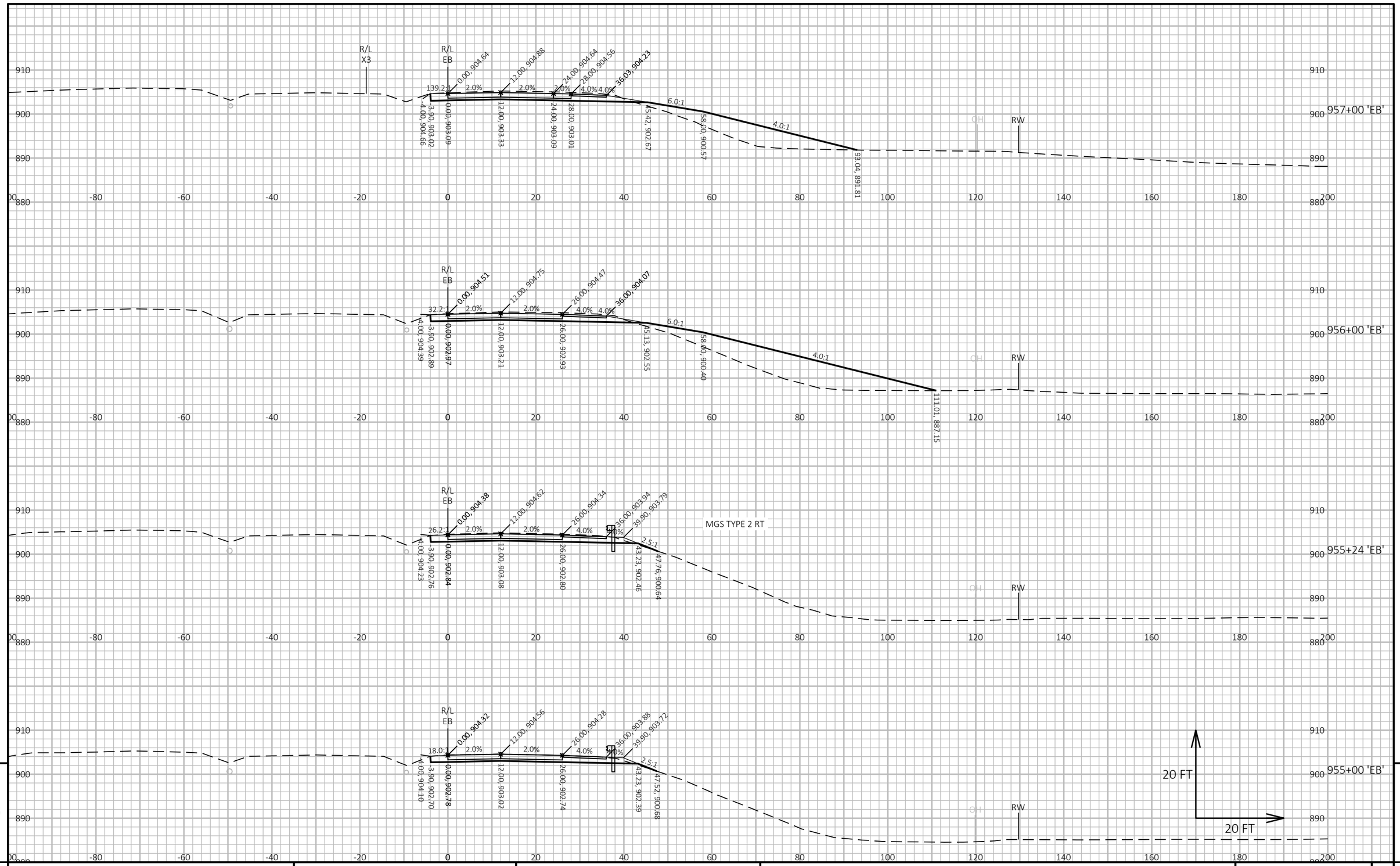


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1021 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 11/15/2021 12:19 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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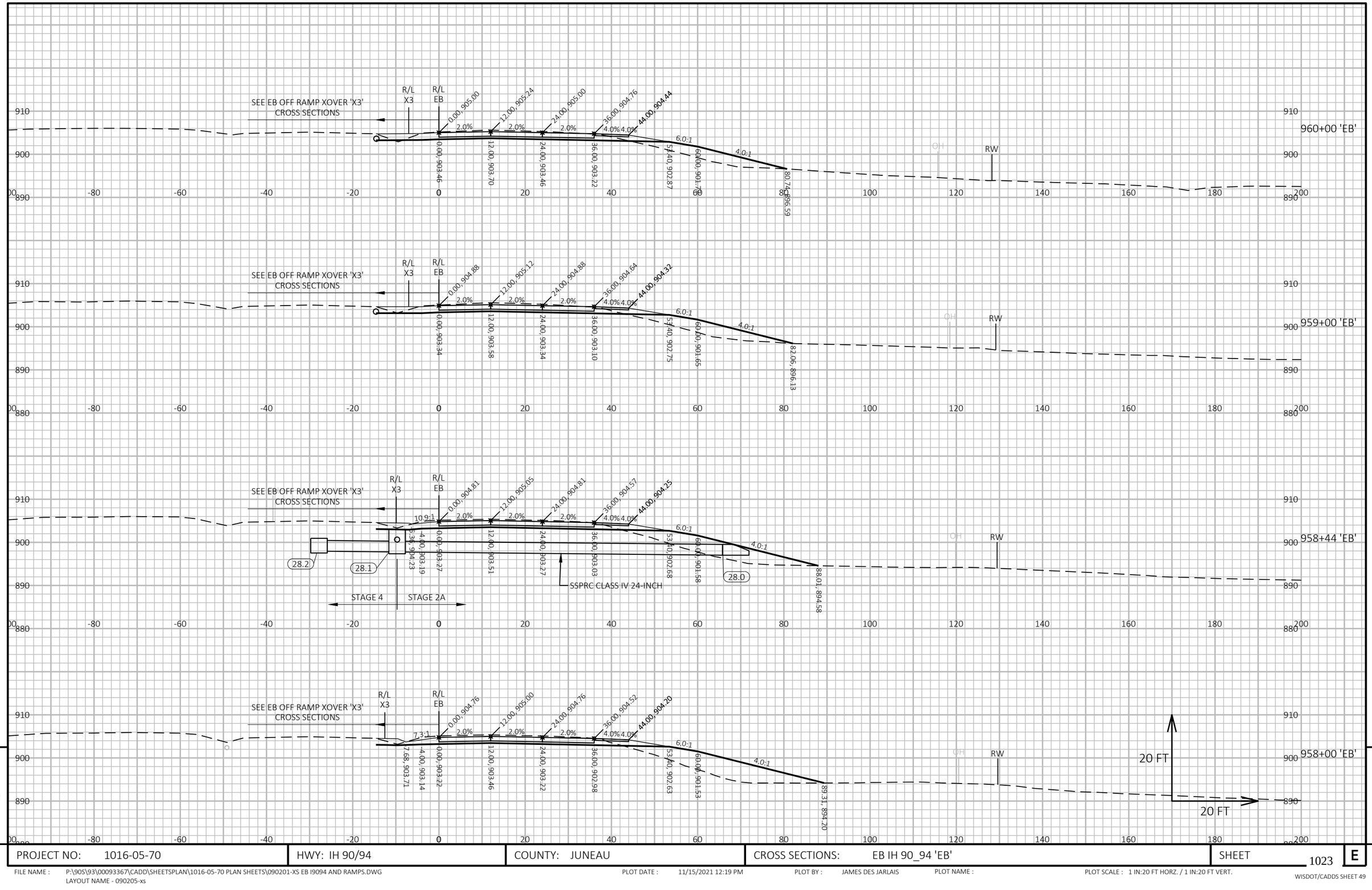
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1022	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 11/15/2021 12:19 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



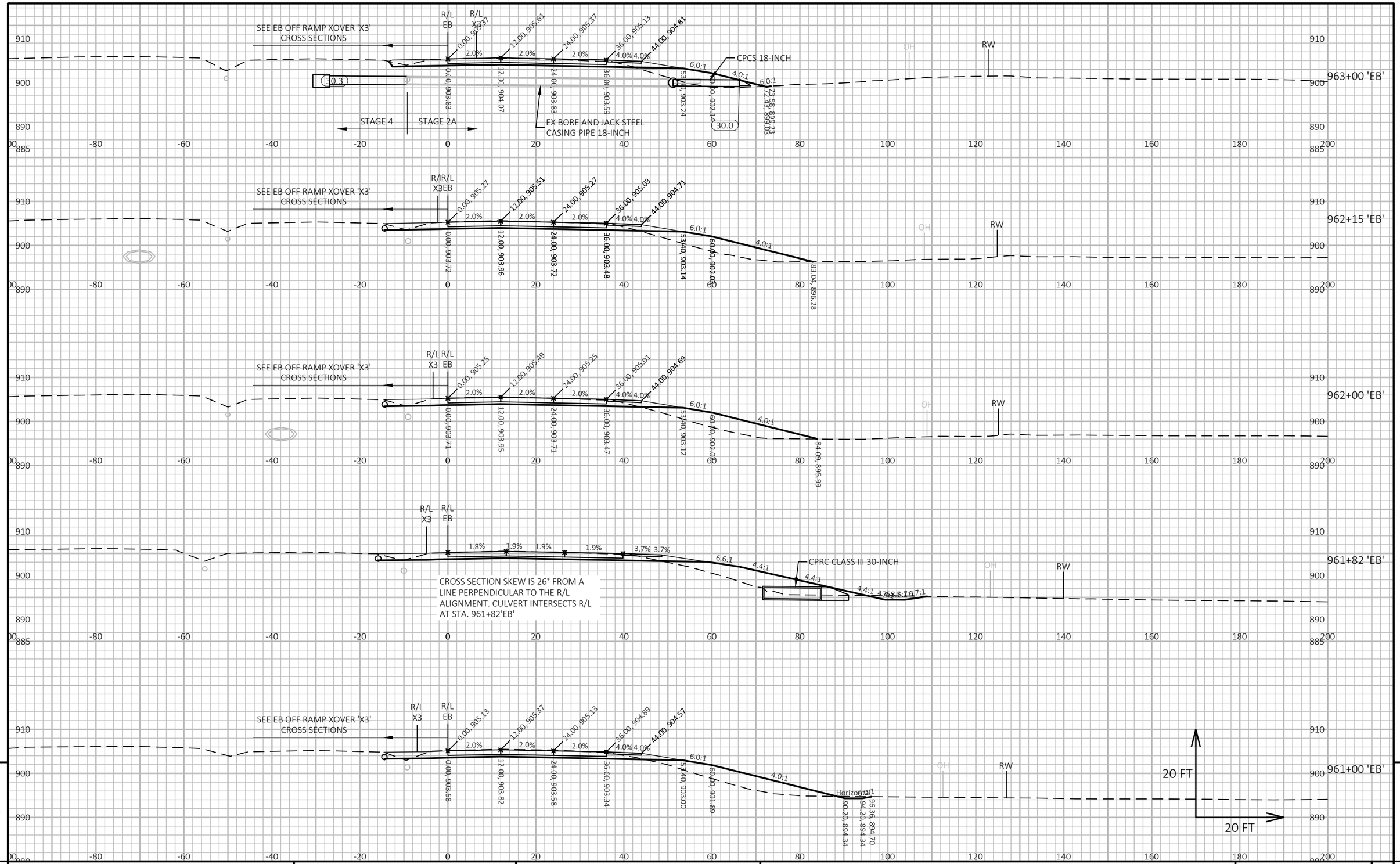
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1023	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 11/15/2021 12:19 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1024 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 11/15/2021 12:20 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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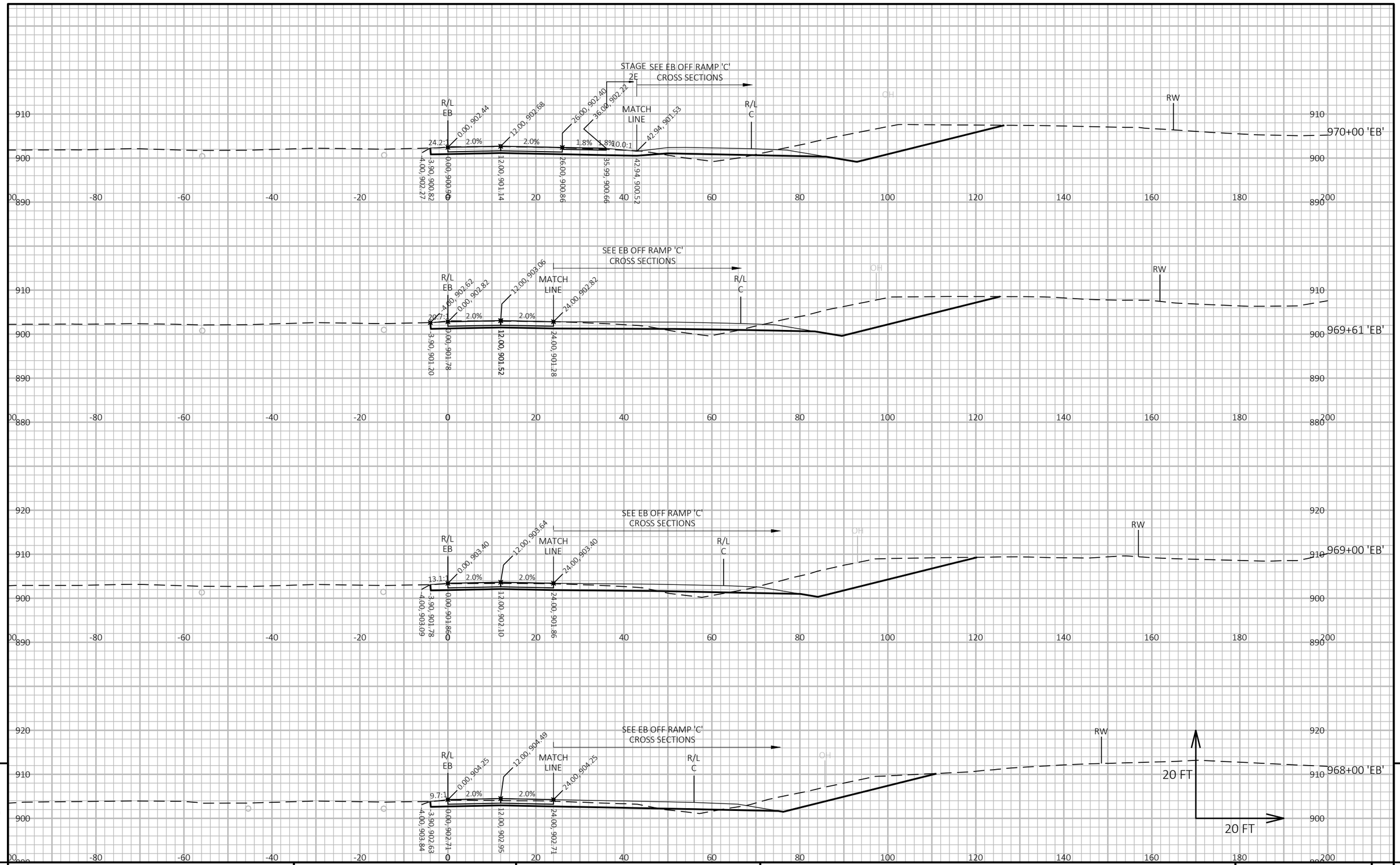
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1025	E

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LAYOUT NAME - 090207-xs

PLOT DATE : 11/15/2021 12:20 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



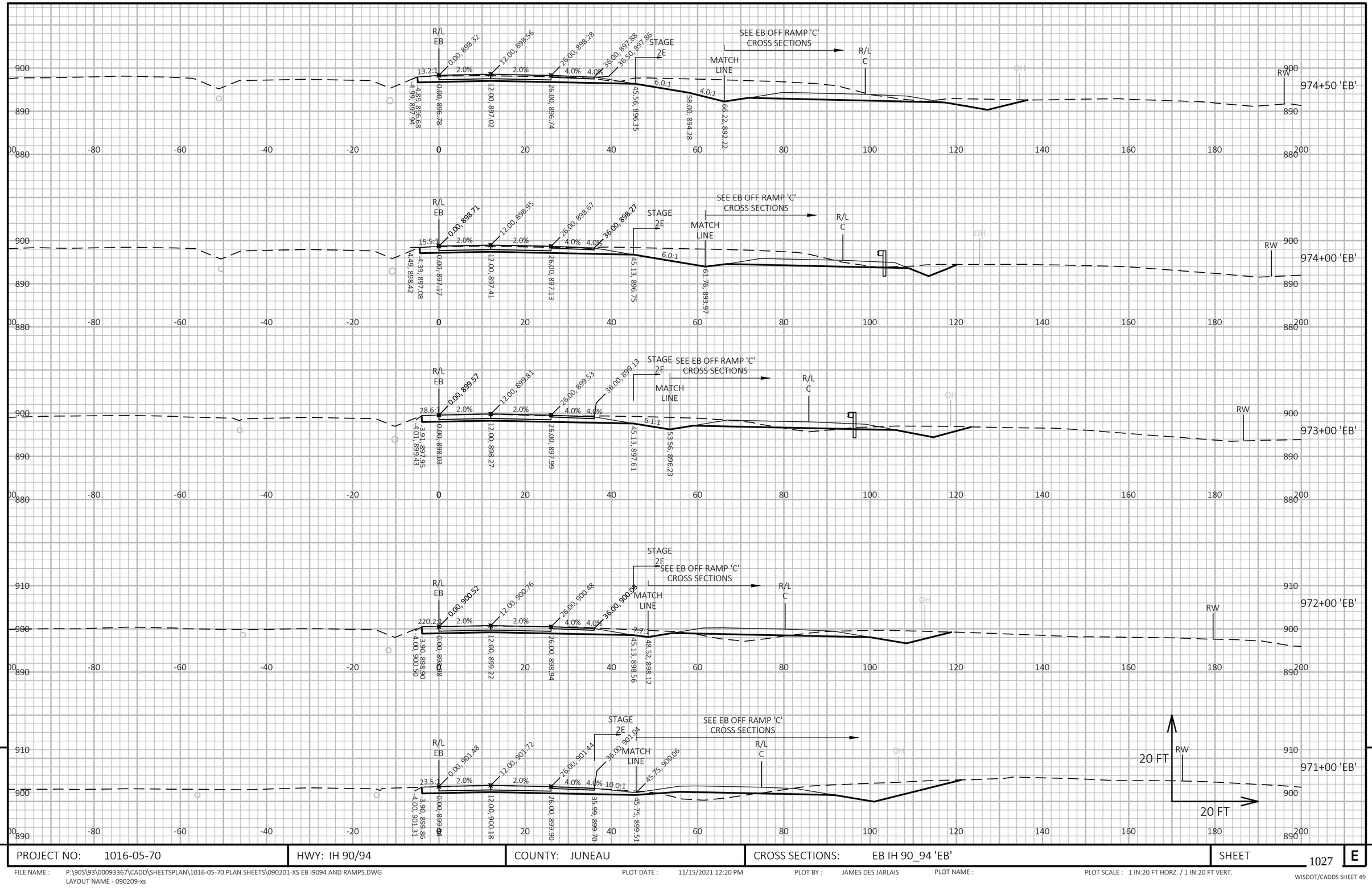
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1026	E

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LAYOUT NAME - 090208-xs

PLOT DATE : 11/15/2021 12:20 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



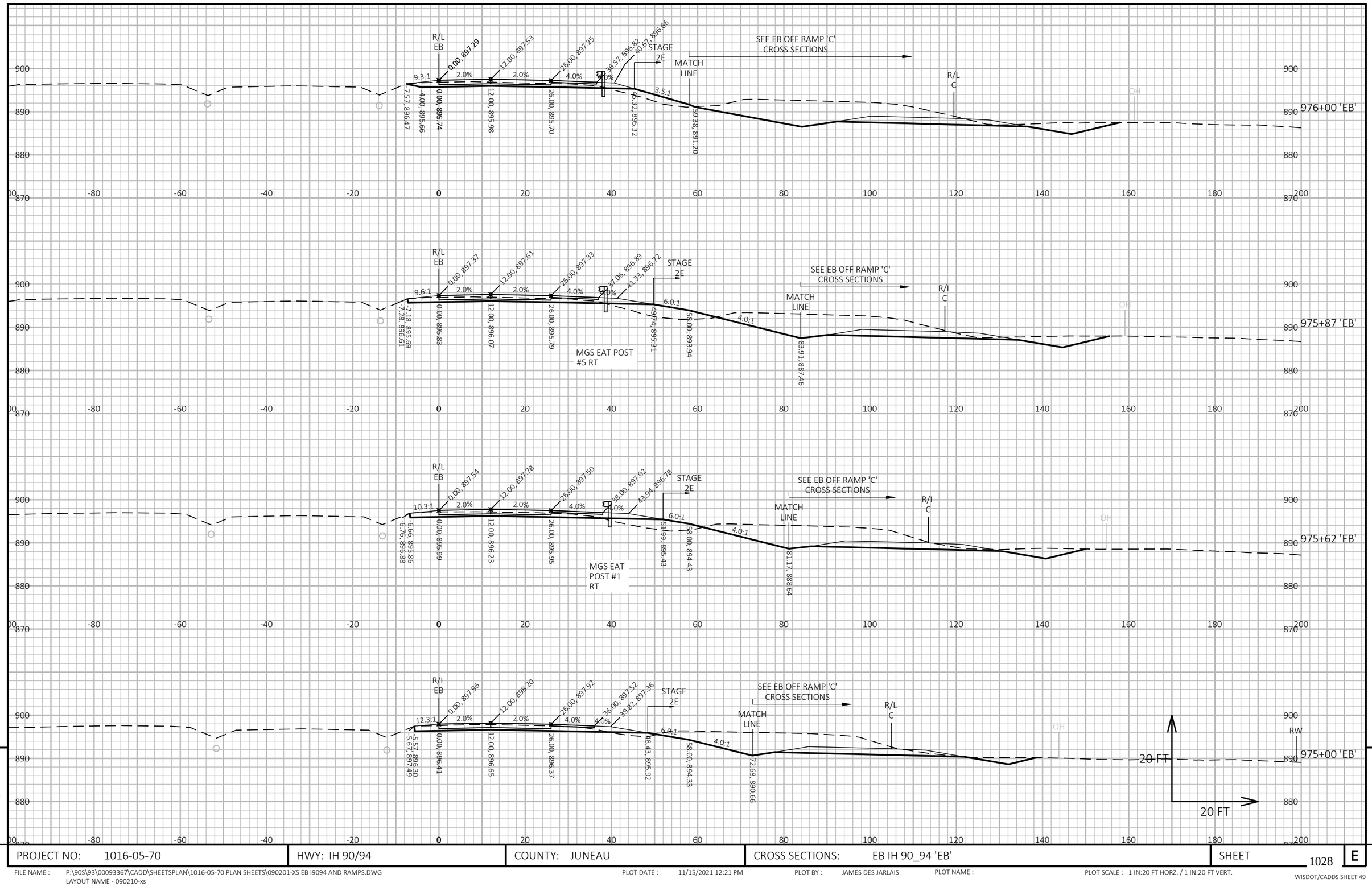
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1027 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 11/15/2021 12:20 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

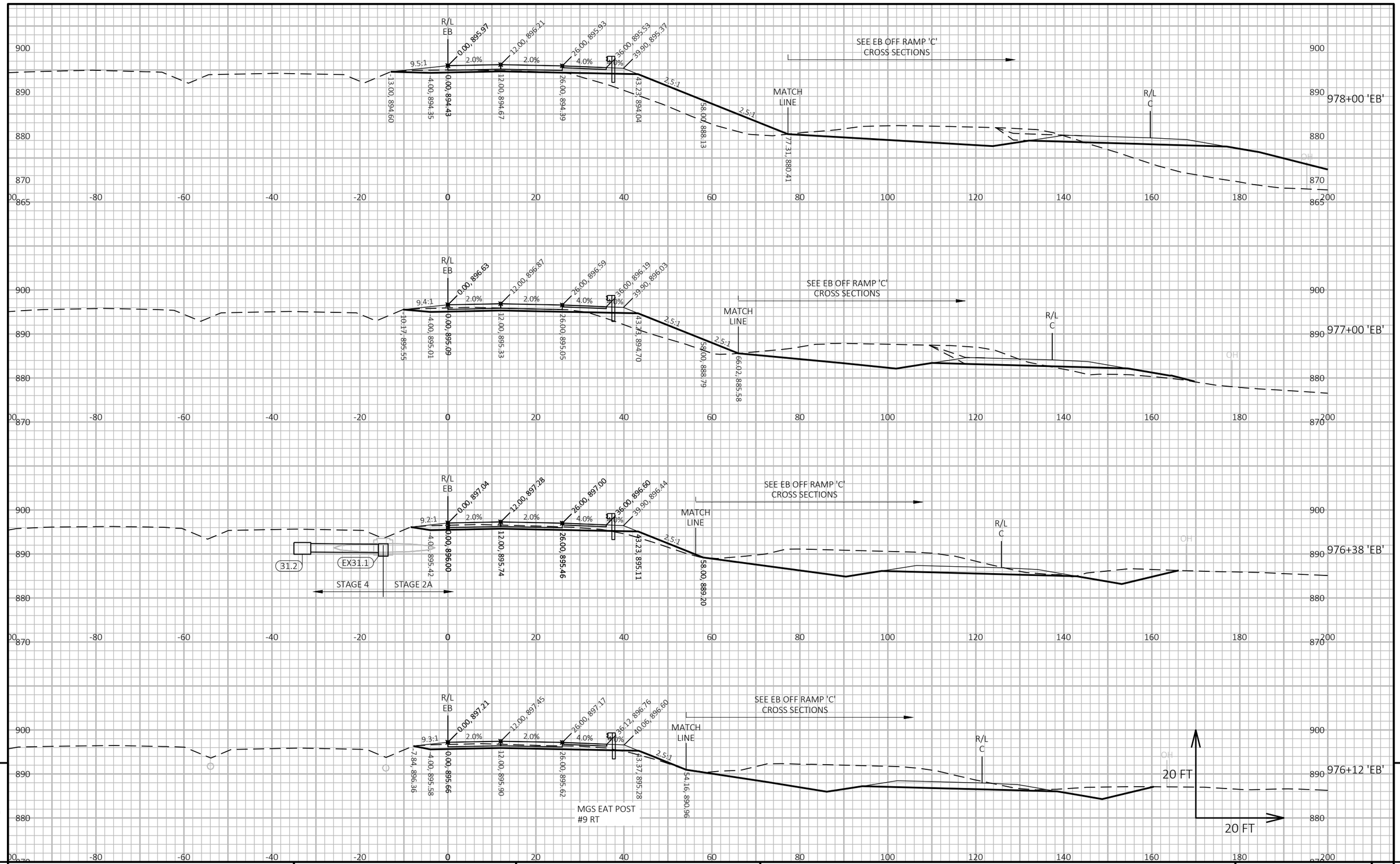


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1028 E

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LAYOUT NAME - 090210-xs

PLOT DATE : 11/15/2021 12:21 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

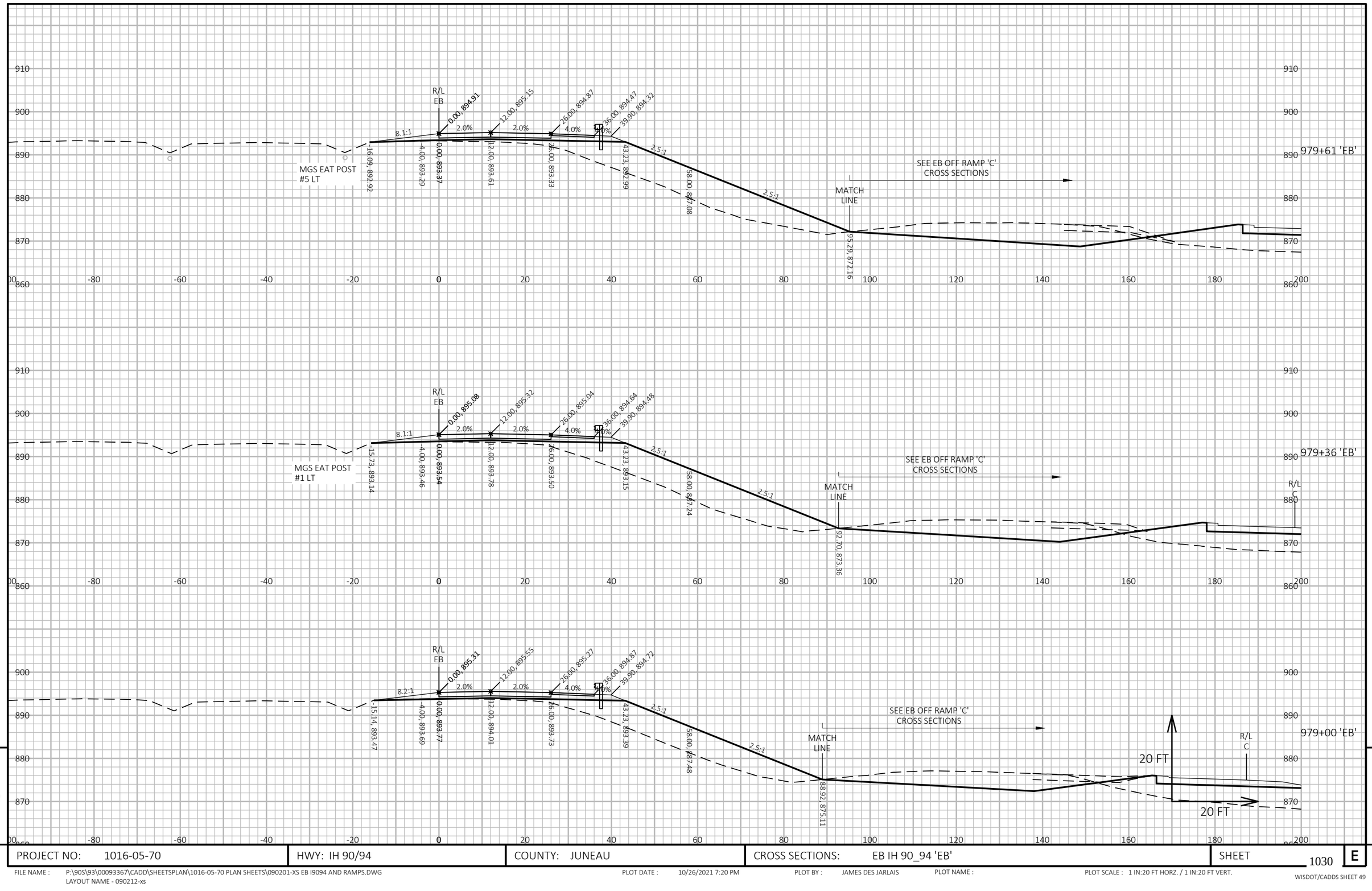


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1029	E

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LAYOUT NAME - 090211-xs

PLOT DATE : 11/15/2021 12:21 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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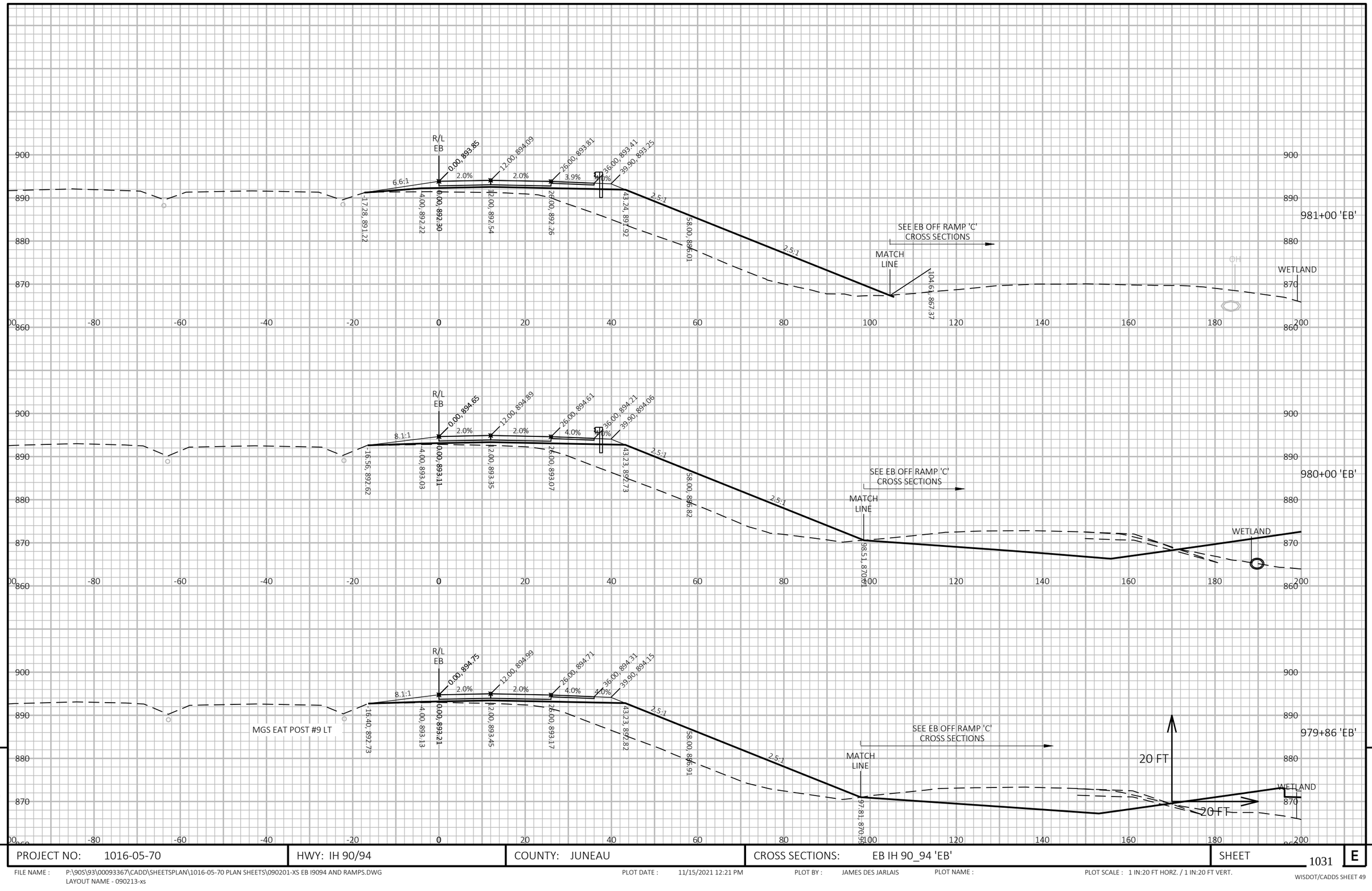
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1030	E

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LAYOUT NAME - 090212-xs

PLOT DATE : 10/26/2021 7:20 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



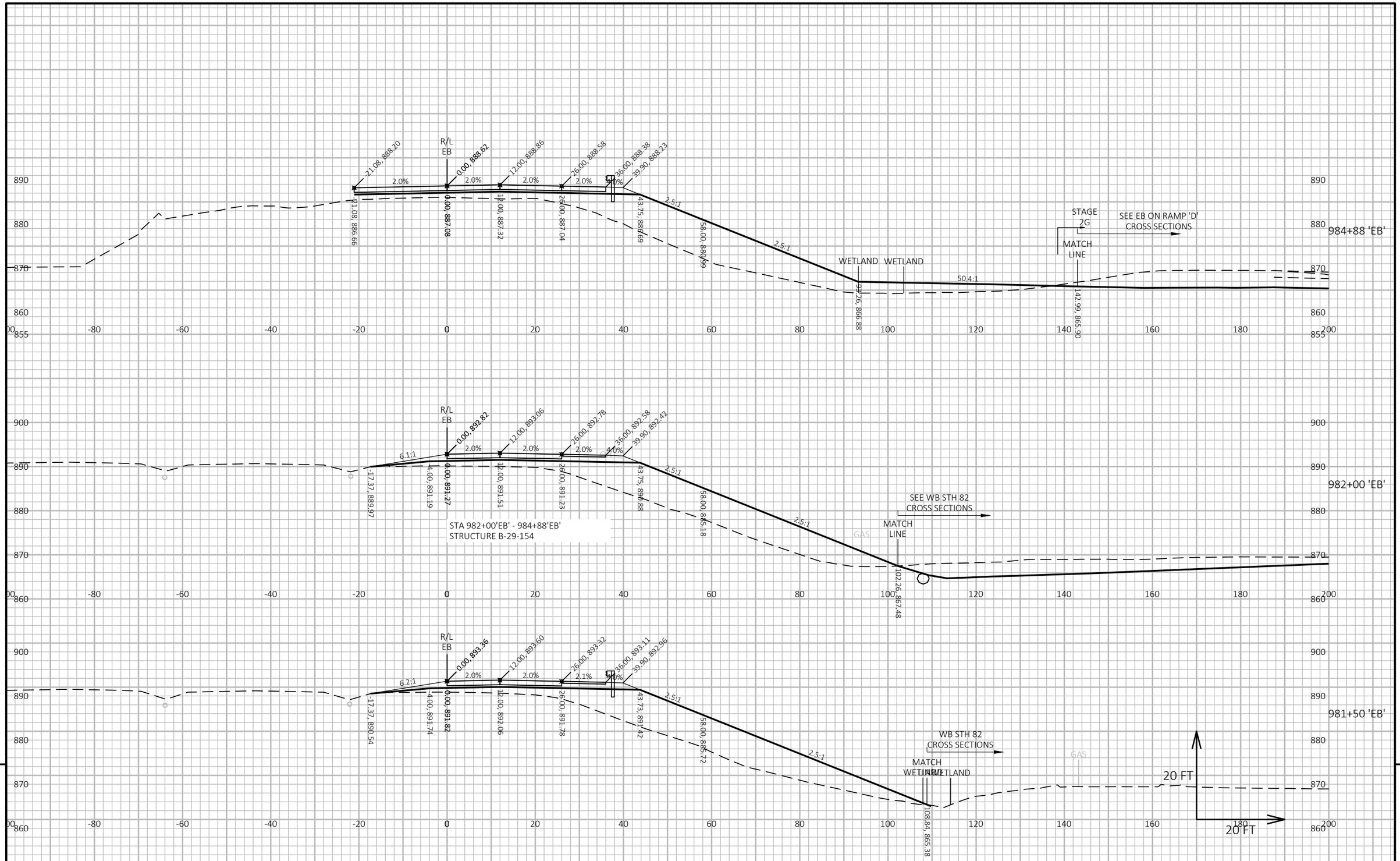
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1031	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 11/15/2021 12:21 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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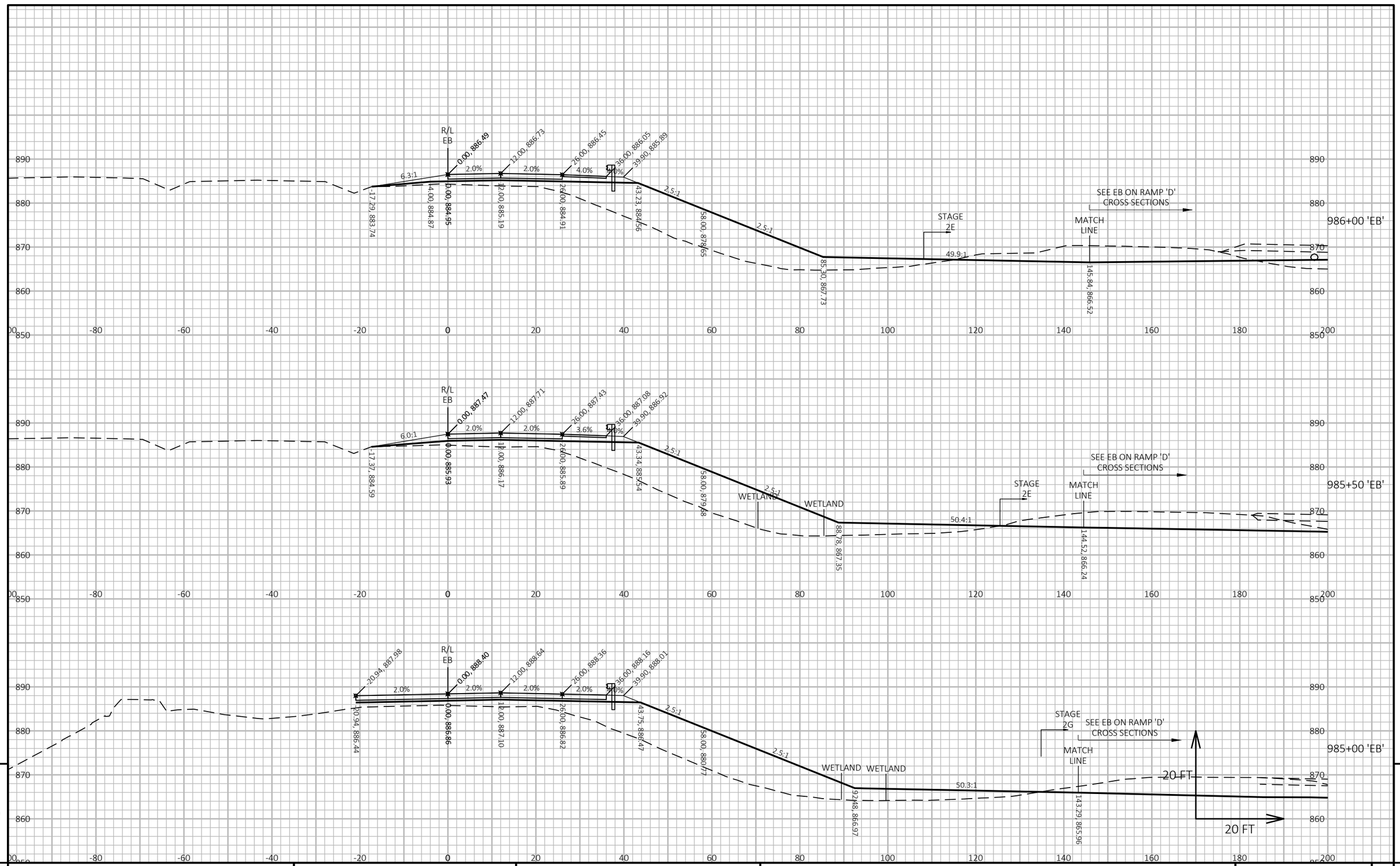
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1032	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090214-xs

PLOT DATE : 11/15/2021 12:21 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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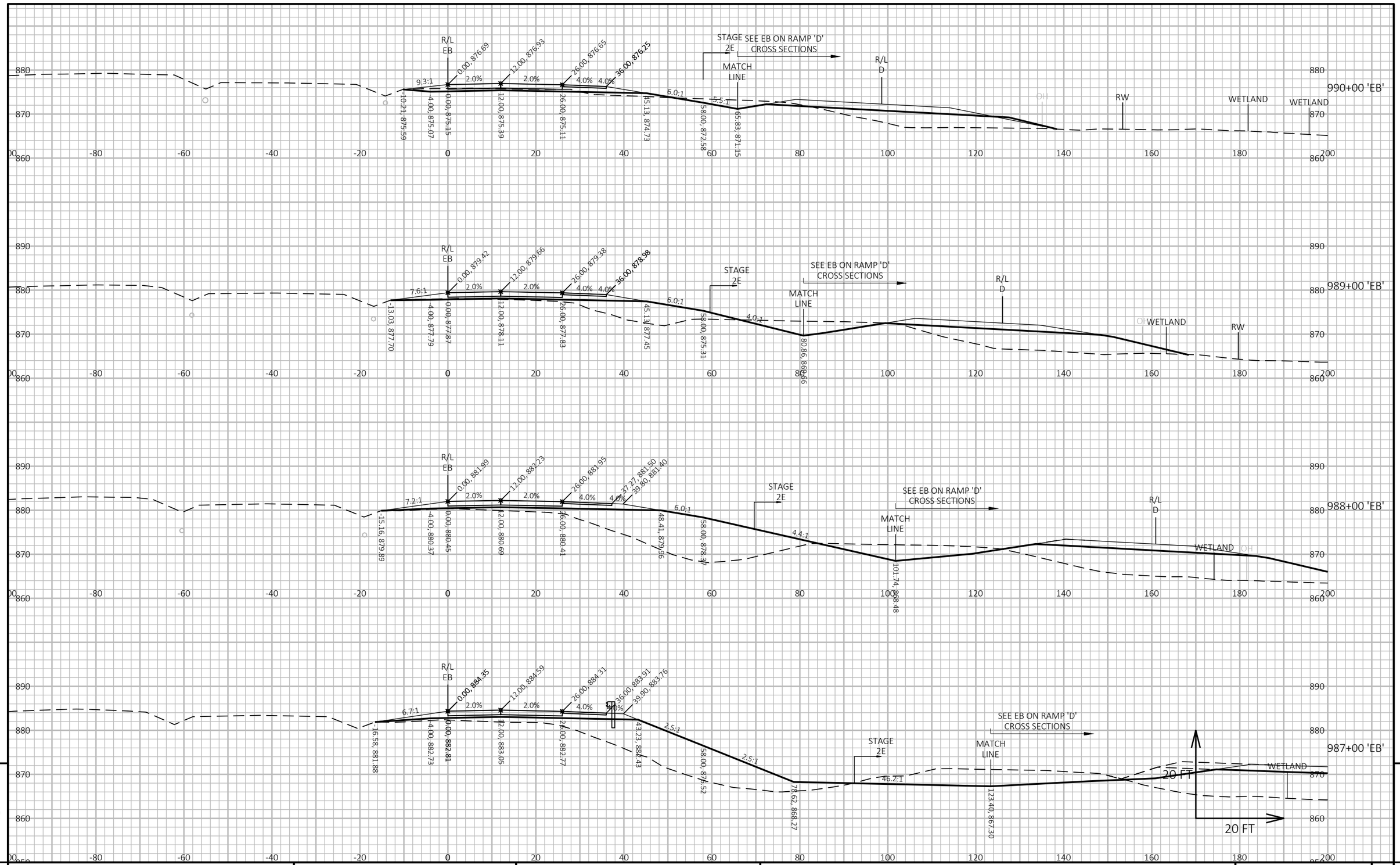
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1033 E

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LAYOUT NAME - 090215-xs

PLOT DATE : 11/15/2021 12:22 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

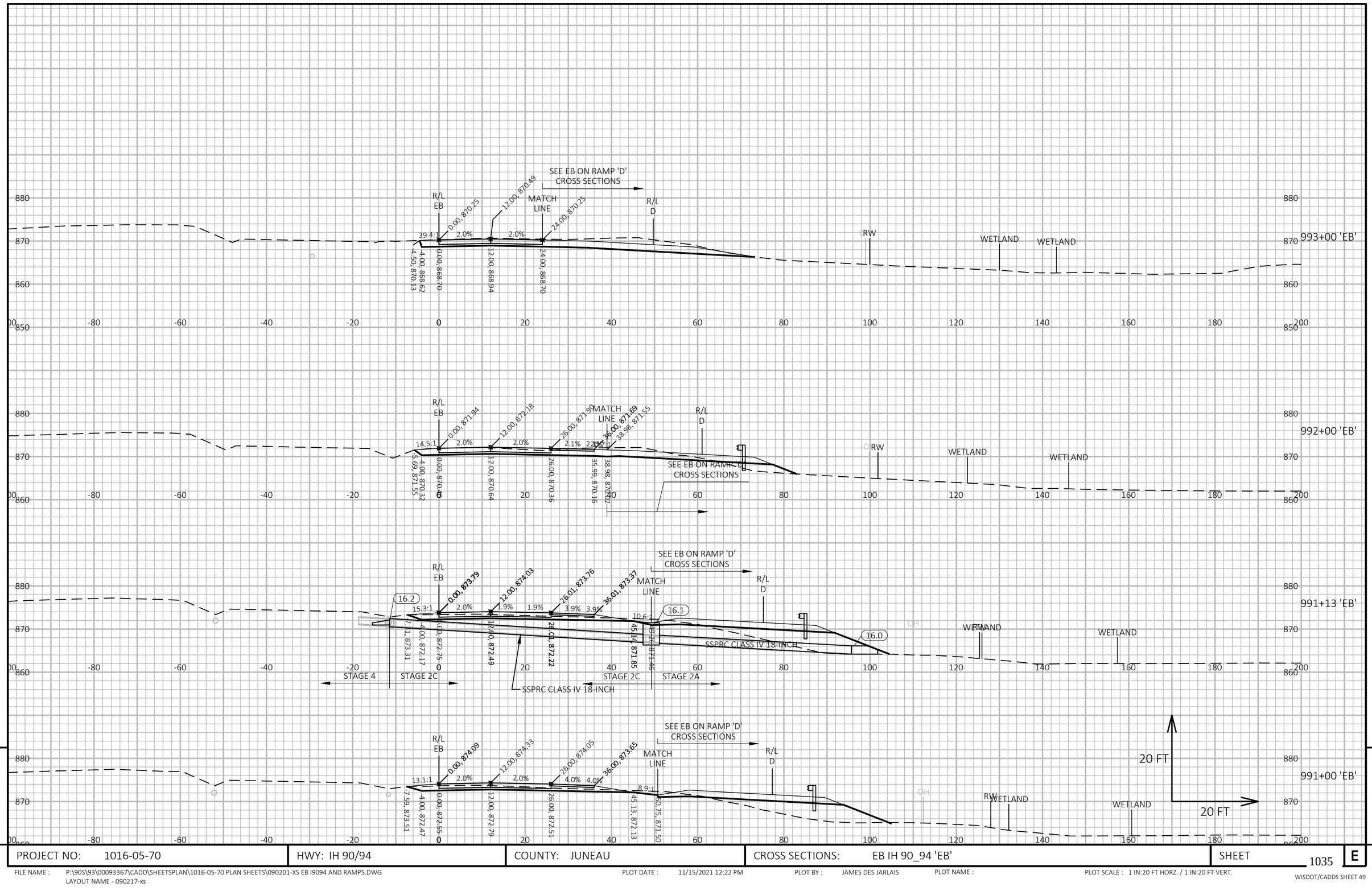


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1034	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090216-xs

PLOT DATE : 11/15/2021 12:22 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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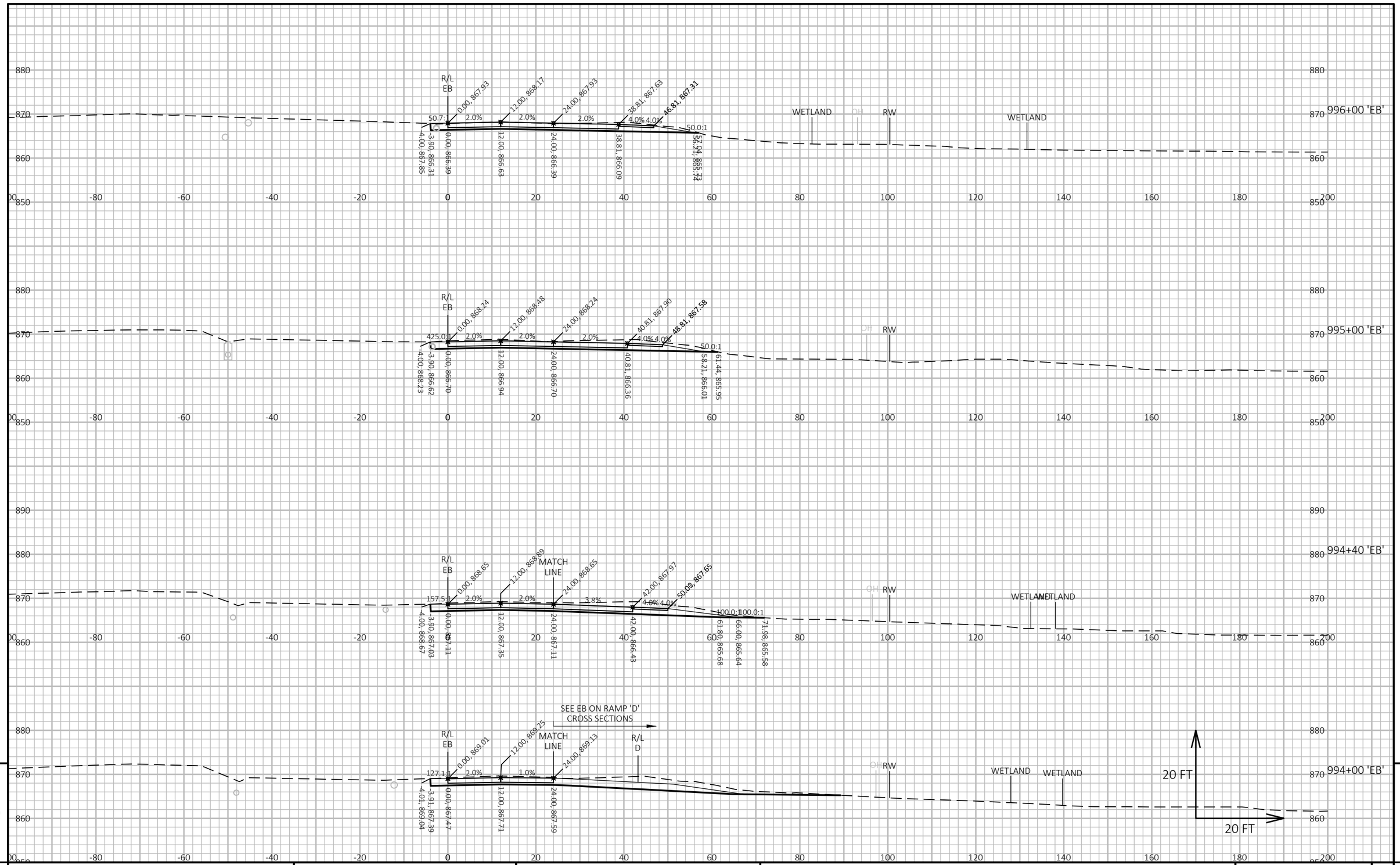
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1035	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090217-xs

PLOT DATE : 11/15/2021 12:22 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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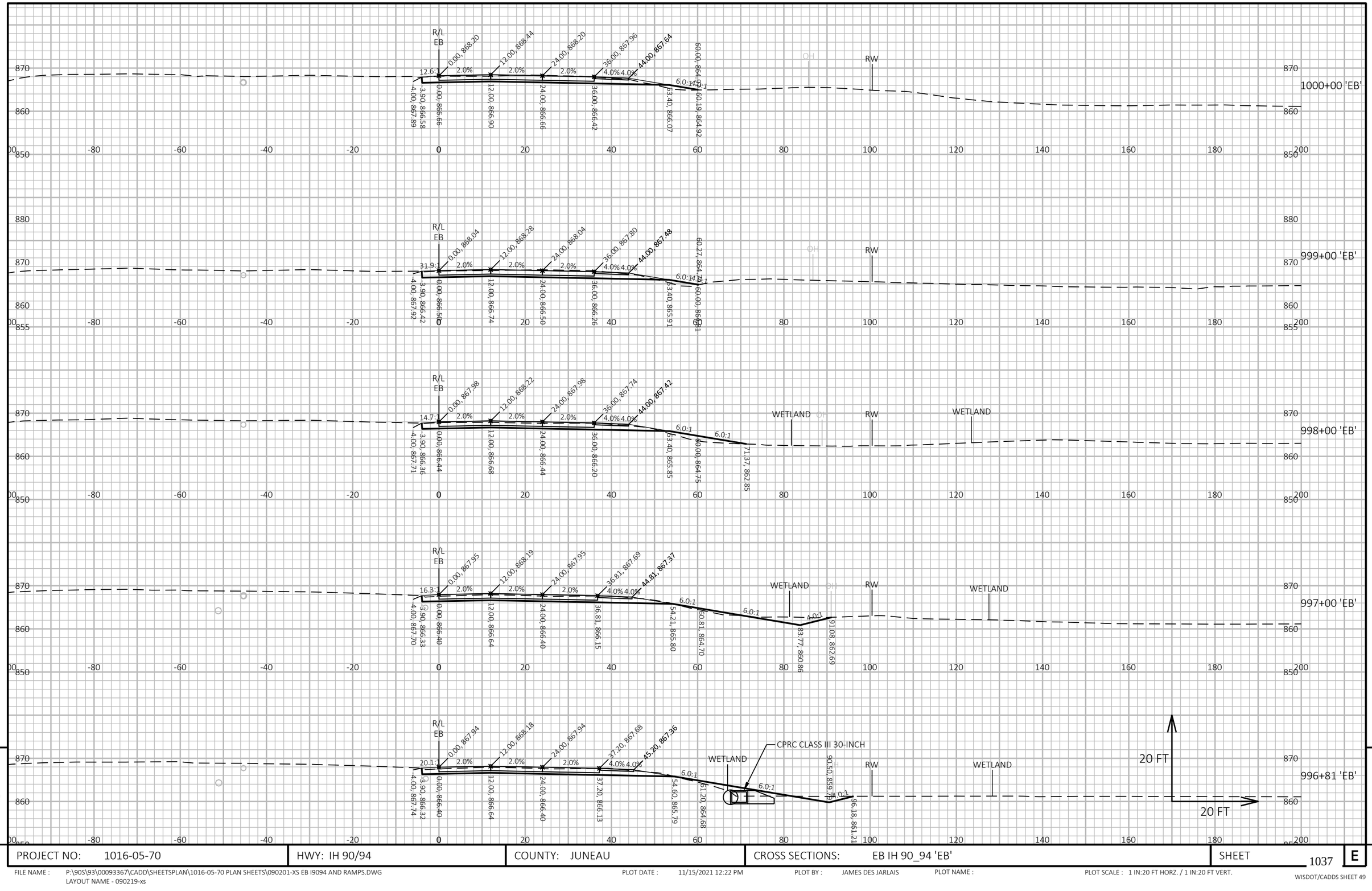
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1036	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090218-xs

PLOT DATE : 11/15/2021 12:22 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

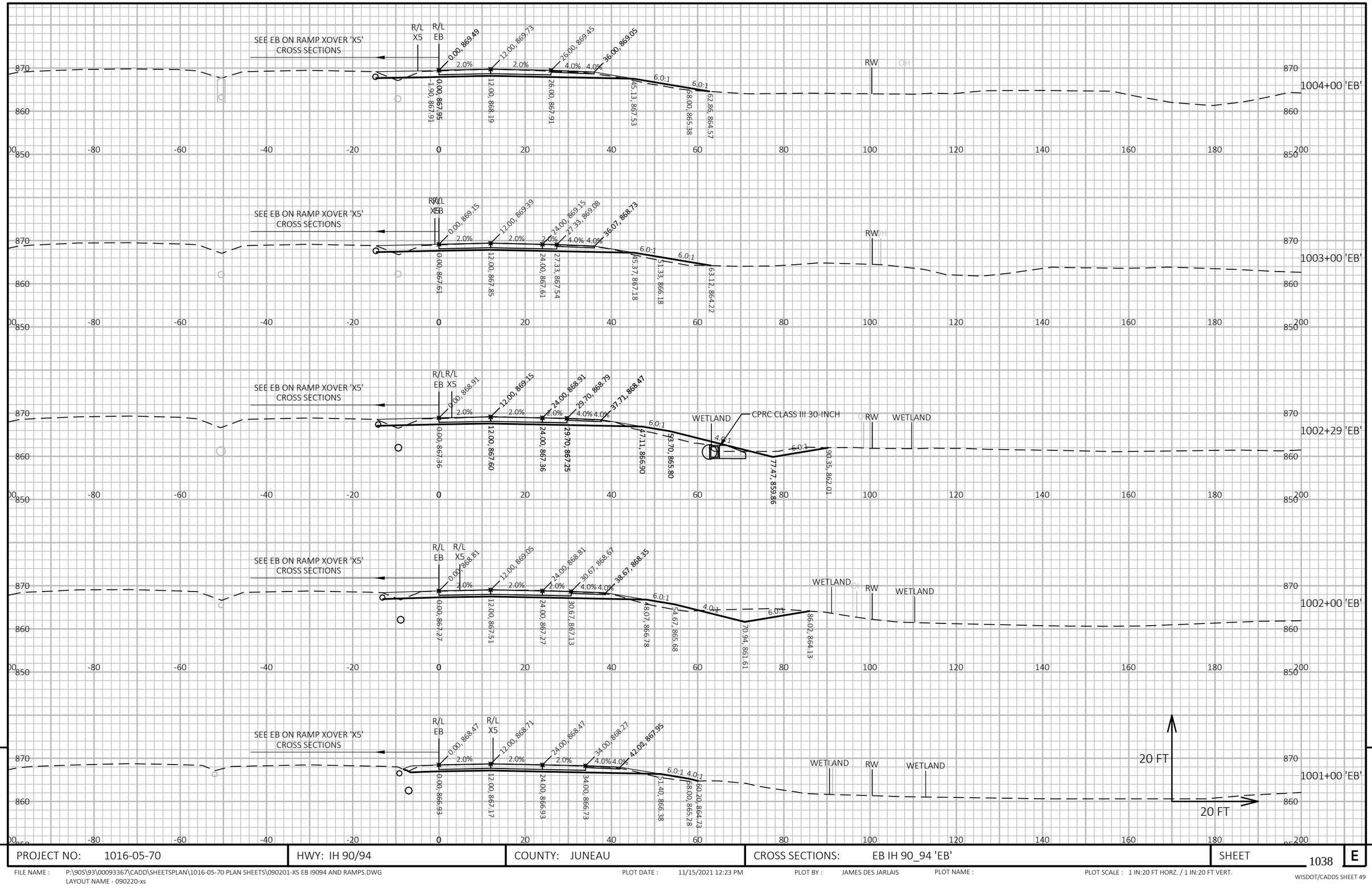


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1037 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090219-xs

PLOT DATE : 11/15/2021 12:22 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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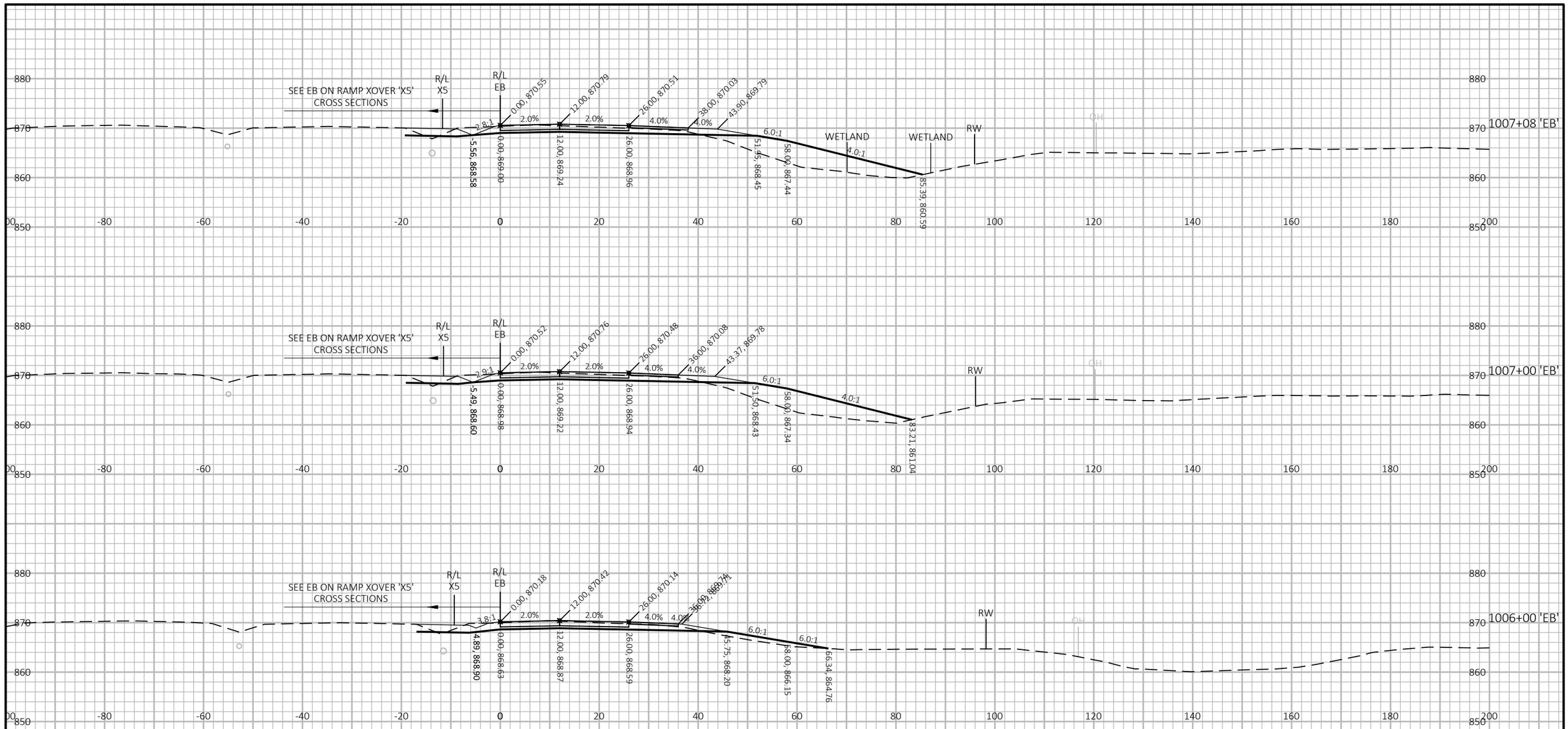
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1038	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090220-xs

PLOT DATE : 11/15/2021 12:23 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

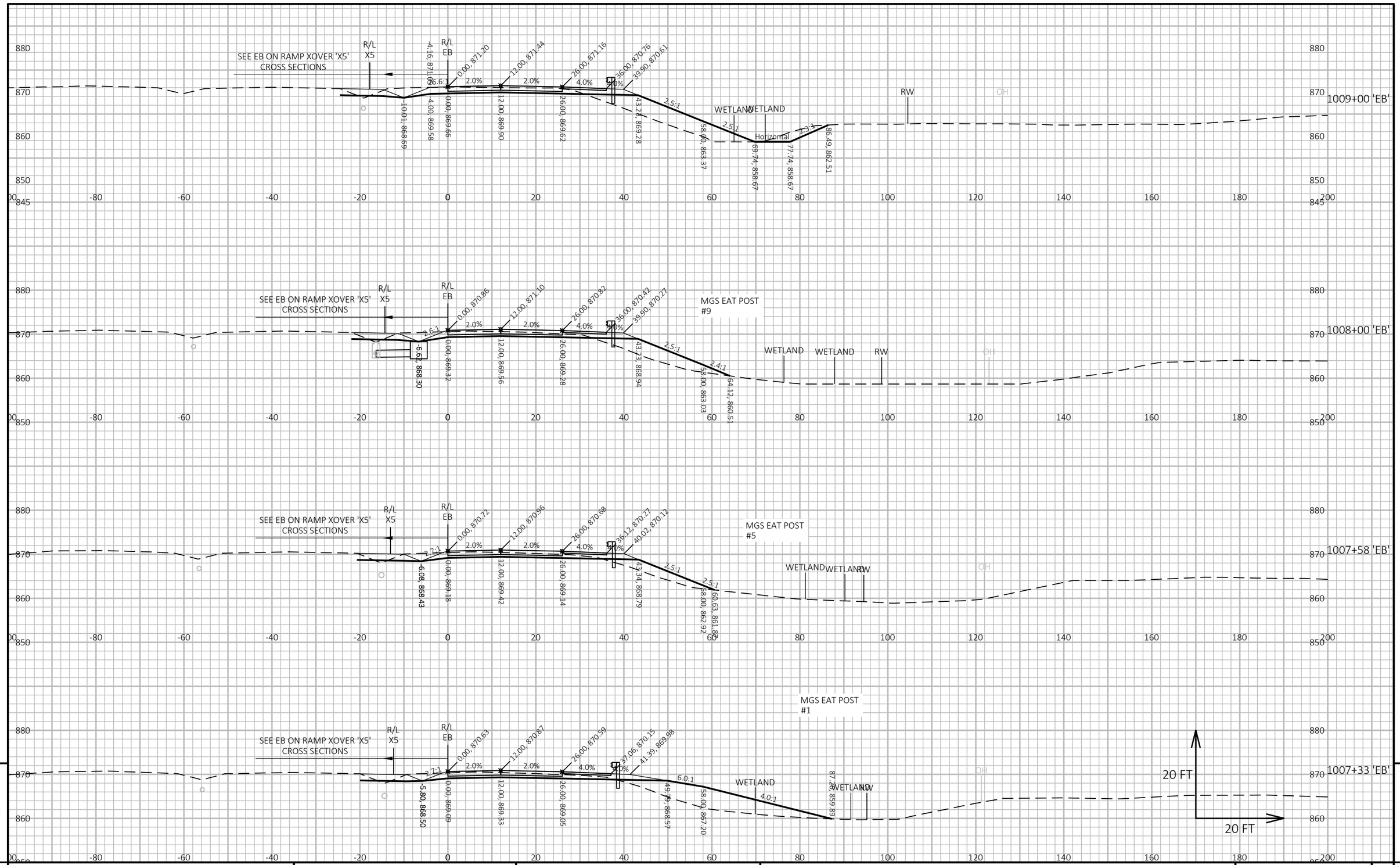


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1039 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090221-xs

PLOT DATE : 11/15/2021 12:23 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



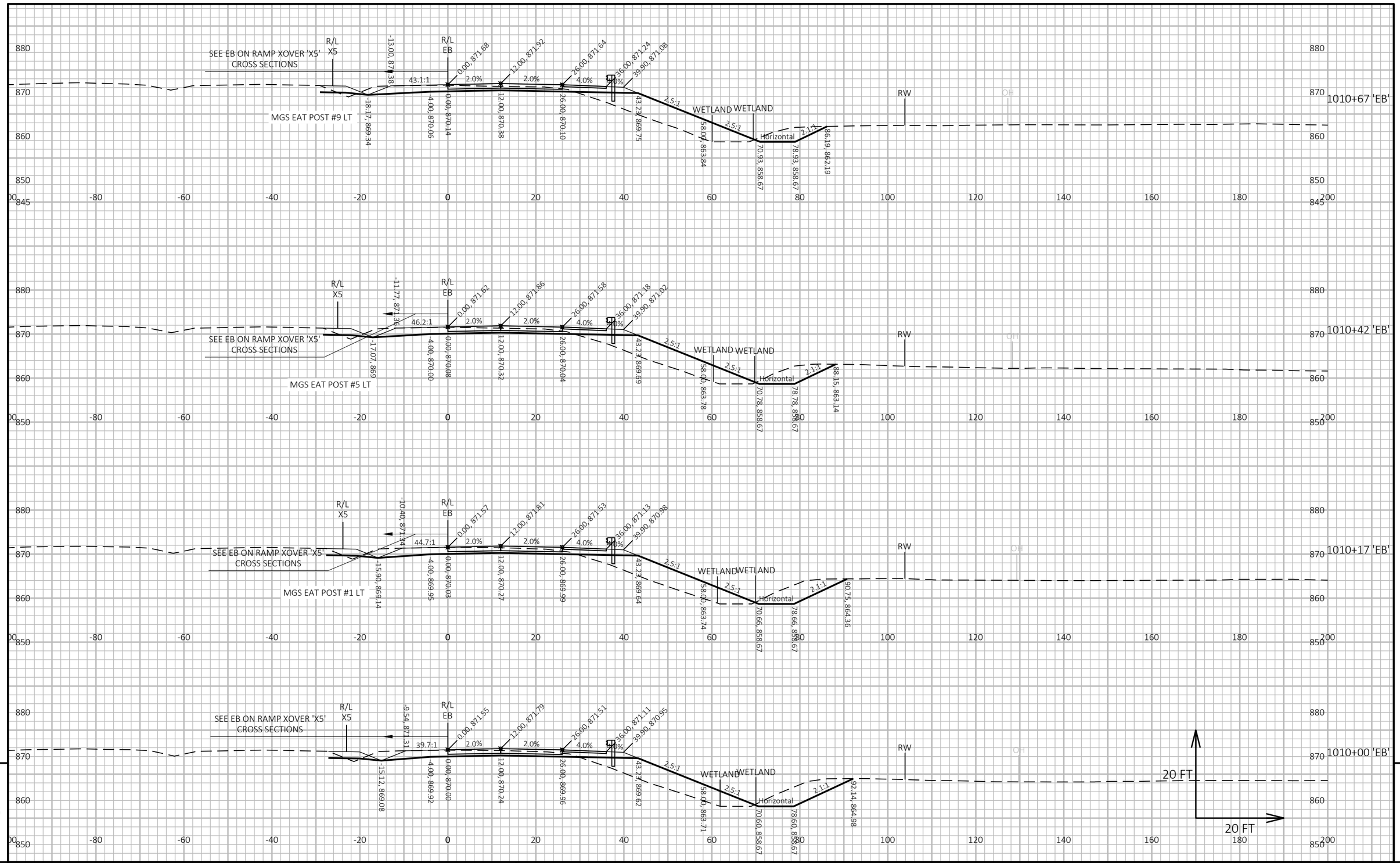
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1040	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090222-xs

PLOT DATE : 11/15/2021 12:23 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

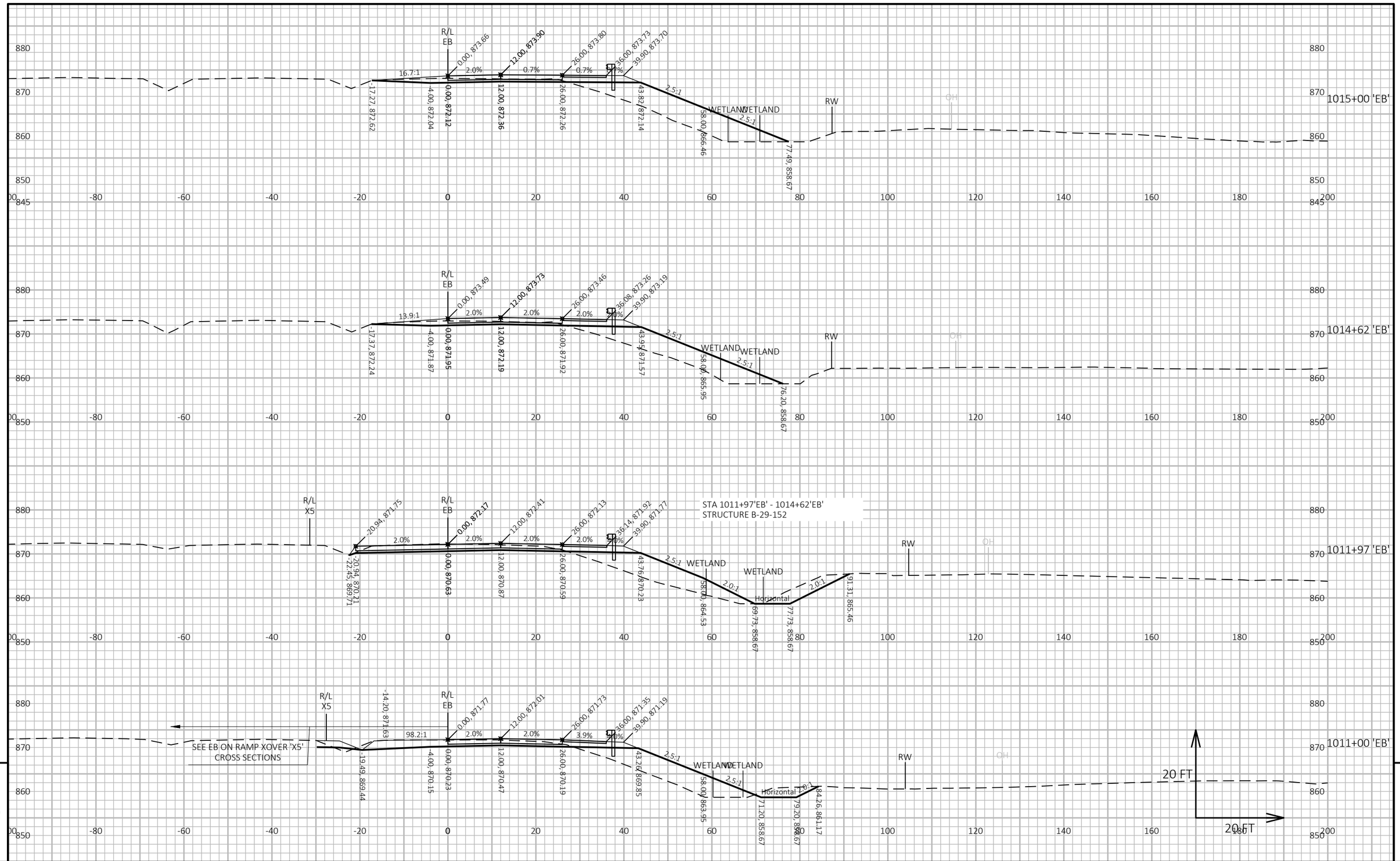


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1041	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090223-xs

PLOT DATE : 11/15/2021 12:23 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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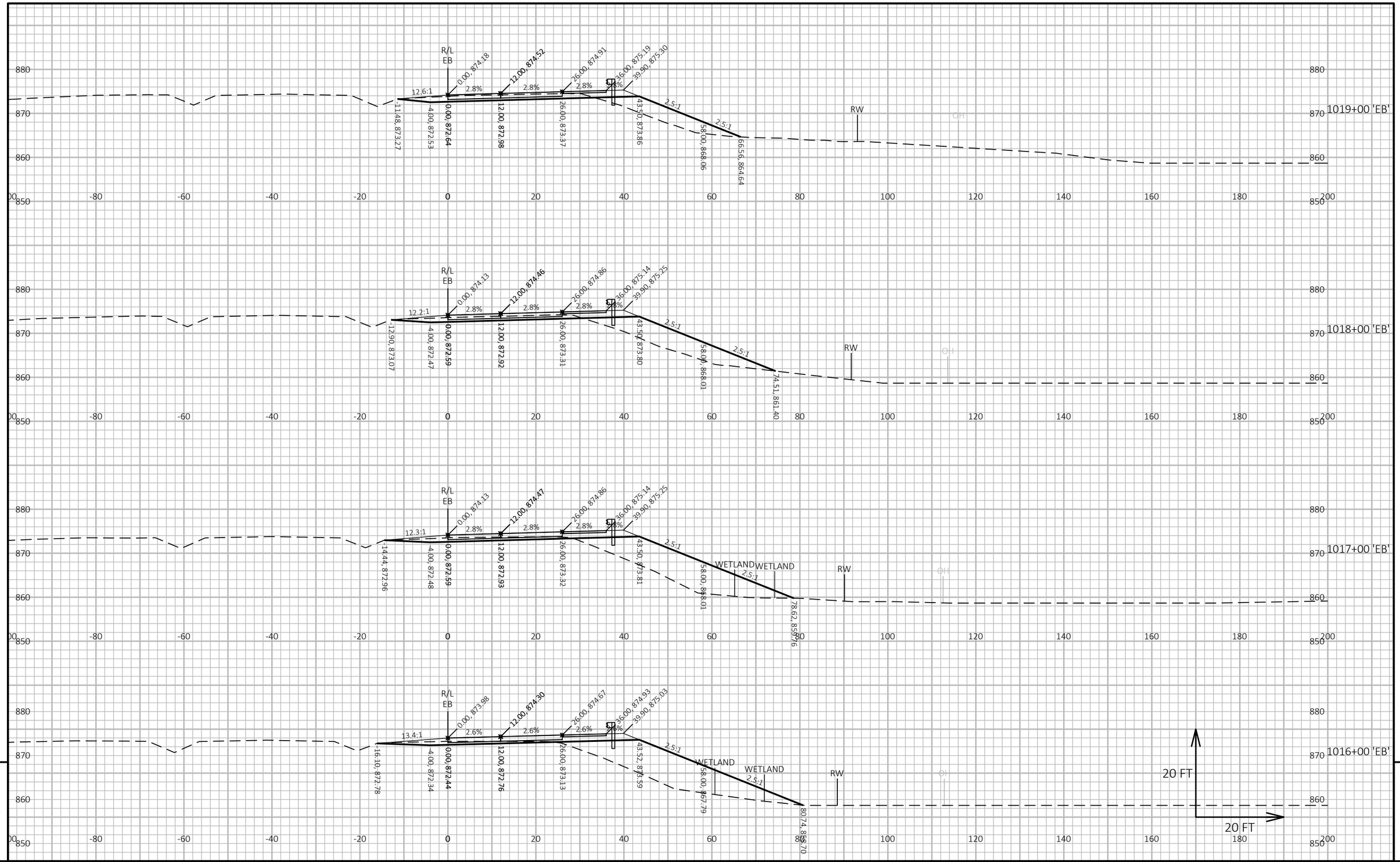
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1042	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090224-xs

PLOT DATE : 11/15/2021 12:23 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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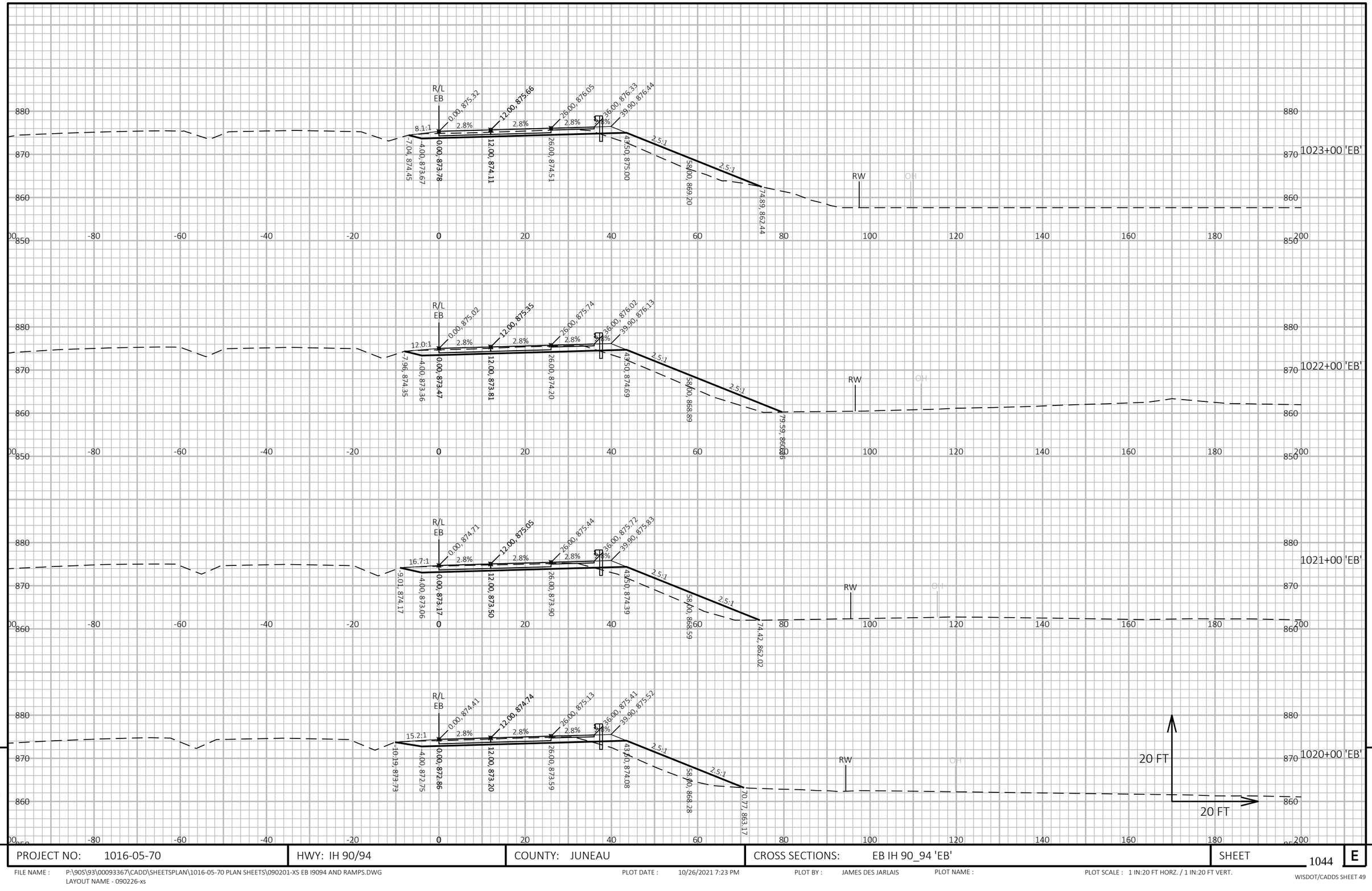
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1043	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090225-xs

PLOT DATE : 10/26/2021 7:23 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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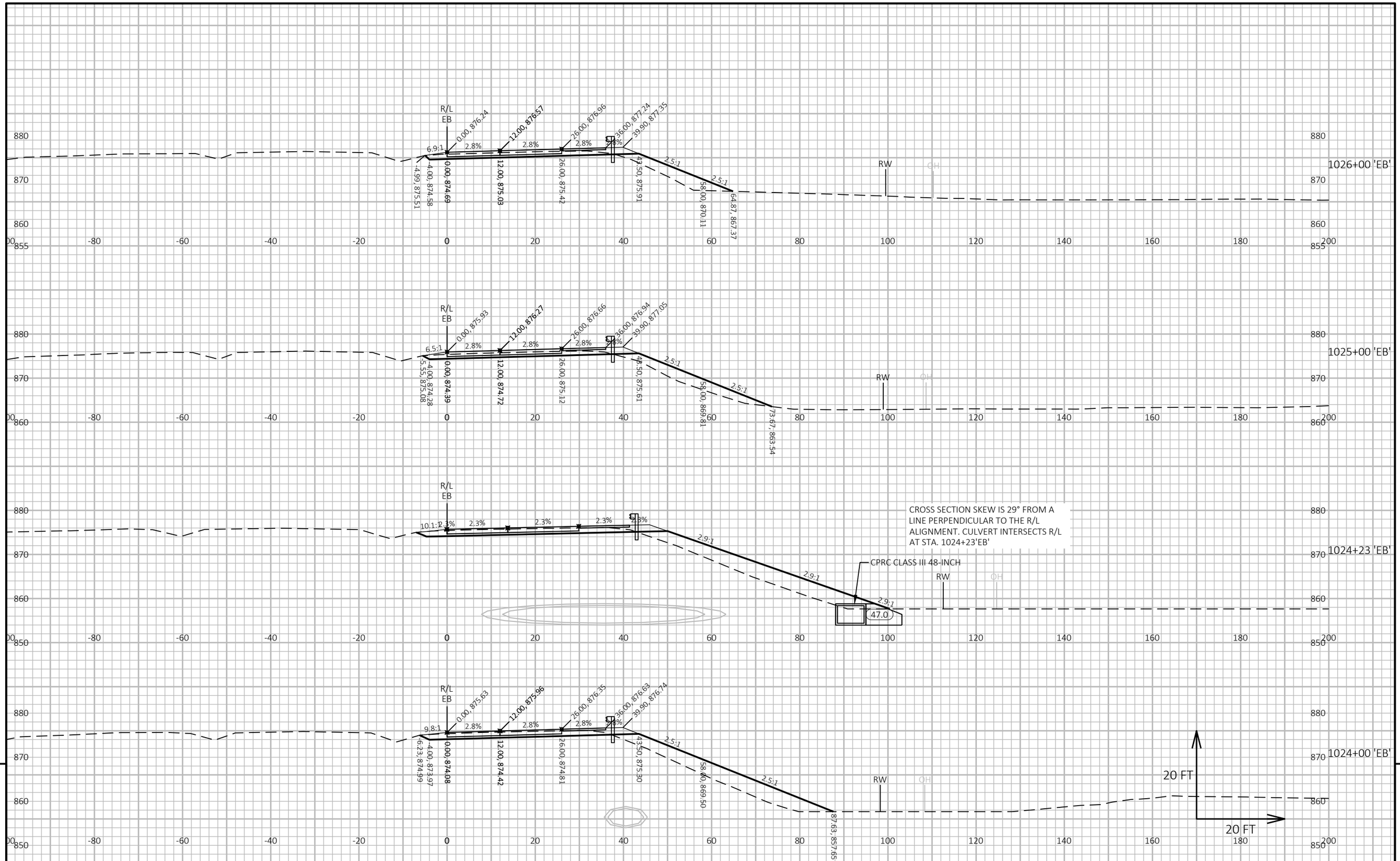
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1044	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090226-xs

PLOT DATE : 10/26/2021 7:23 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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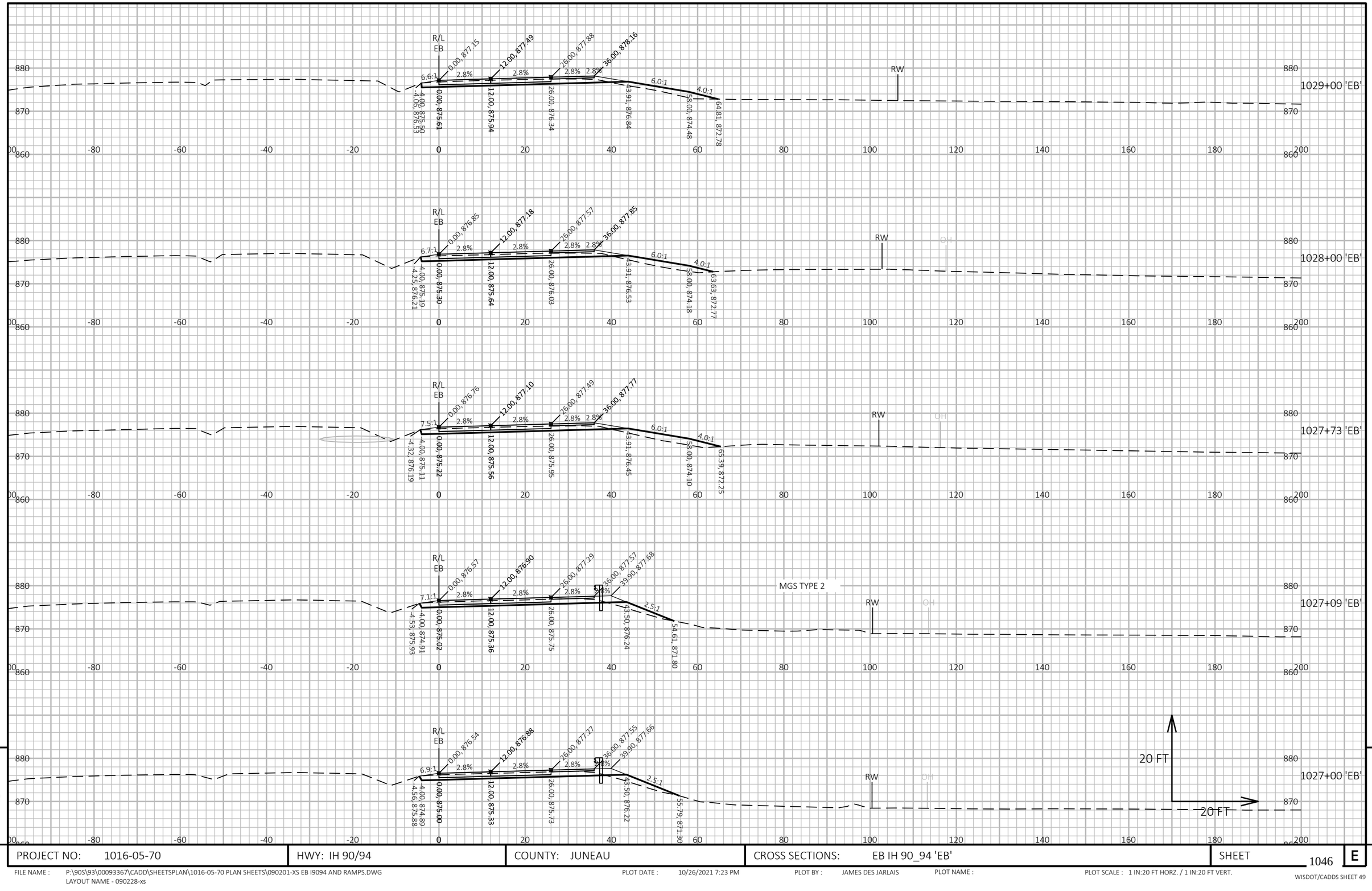
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1045	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090227-xs

PLOT DATE : 10/26/2021 7:23 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



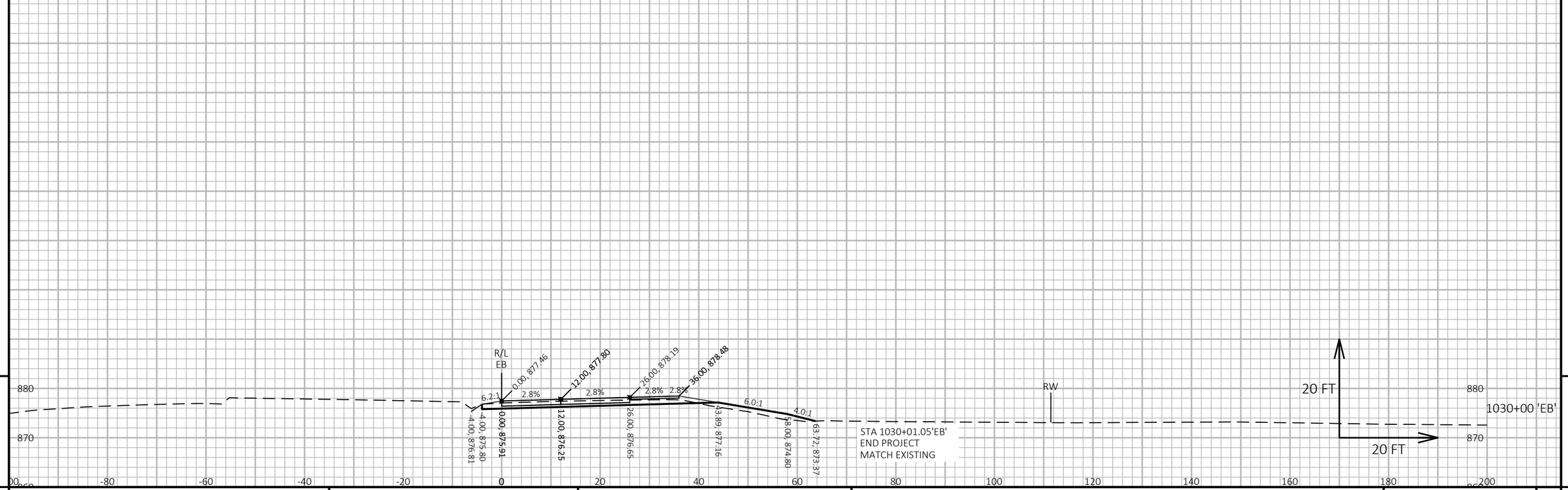
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1046 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090228-xs

PLOT DATE : 10/26/2021 7:23 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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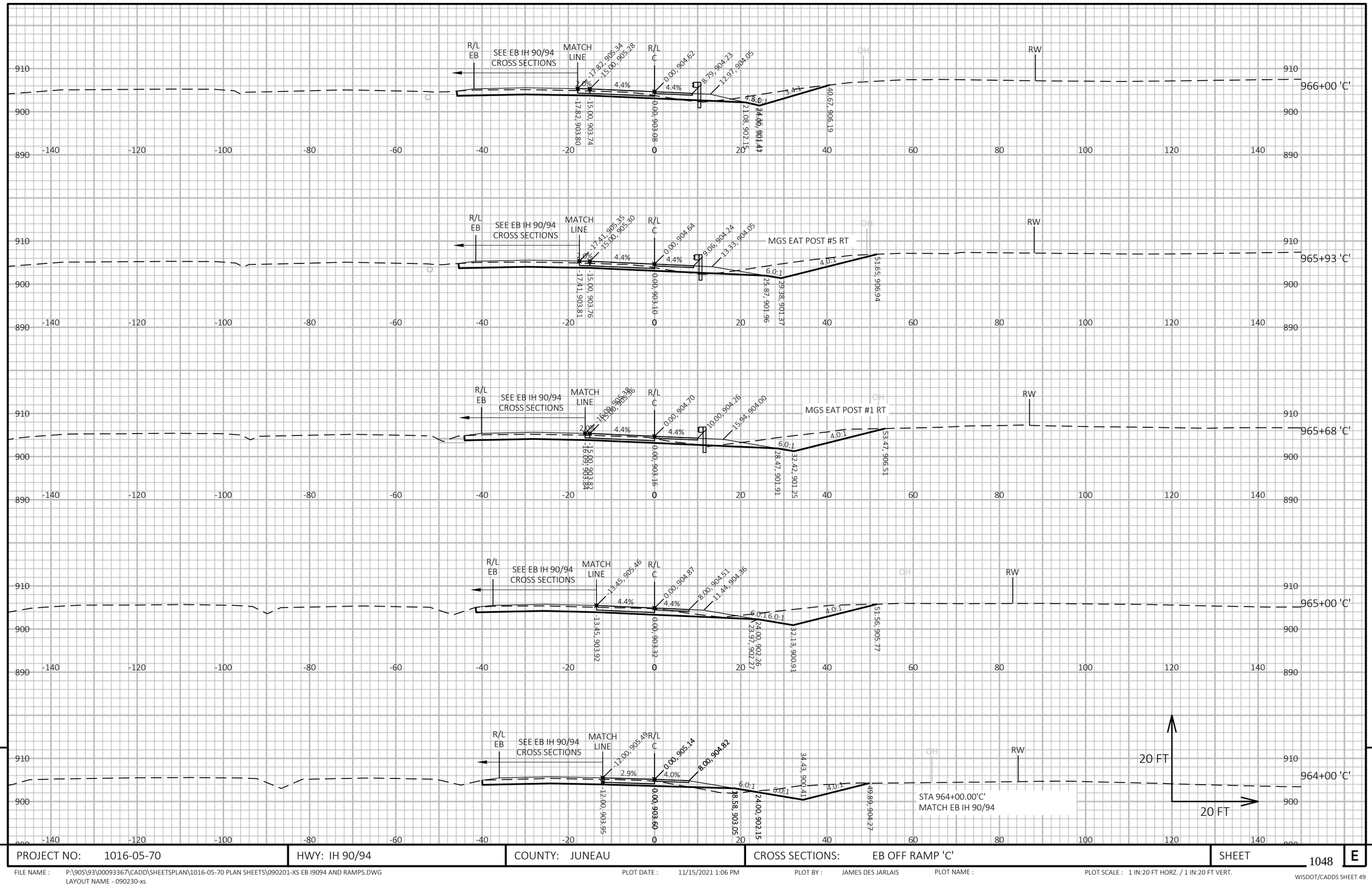
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 'EB'	SHEET 1047	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090229-xs

PLOT DATE : 10/26/2021 7:24 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

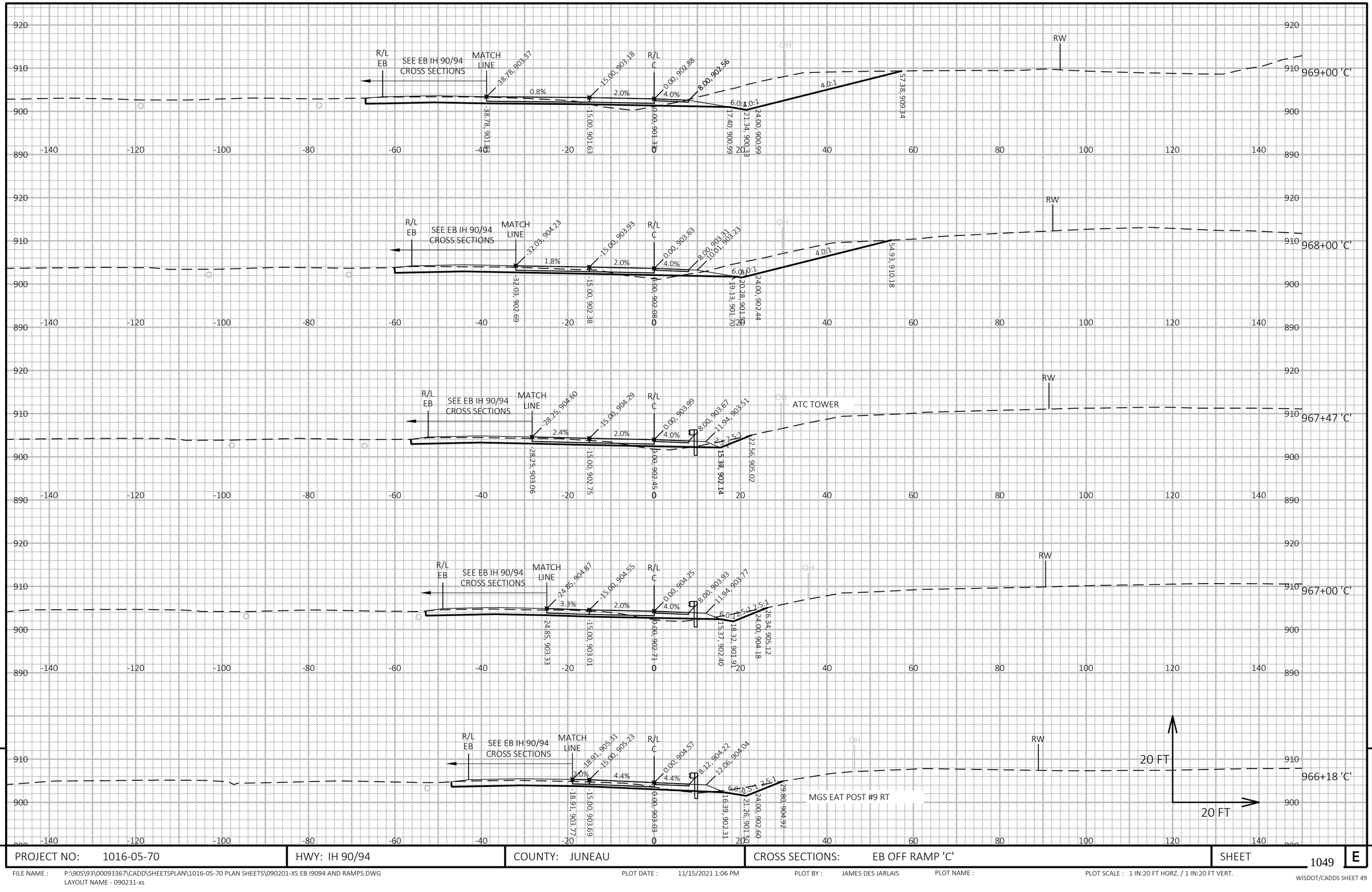


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP 'C'	SHEET 1048 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090230-xs

PLOT DATE : 11/15/2021 1:06 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



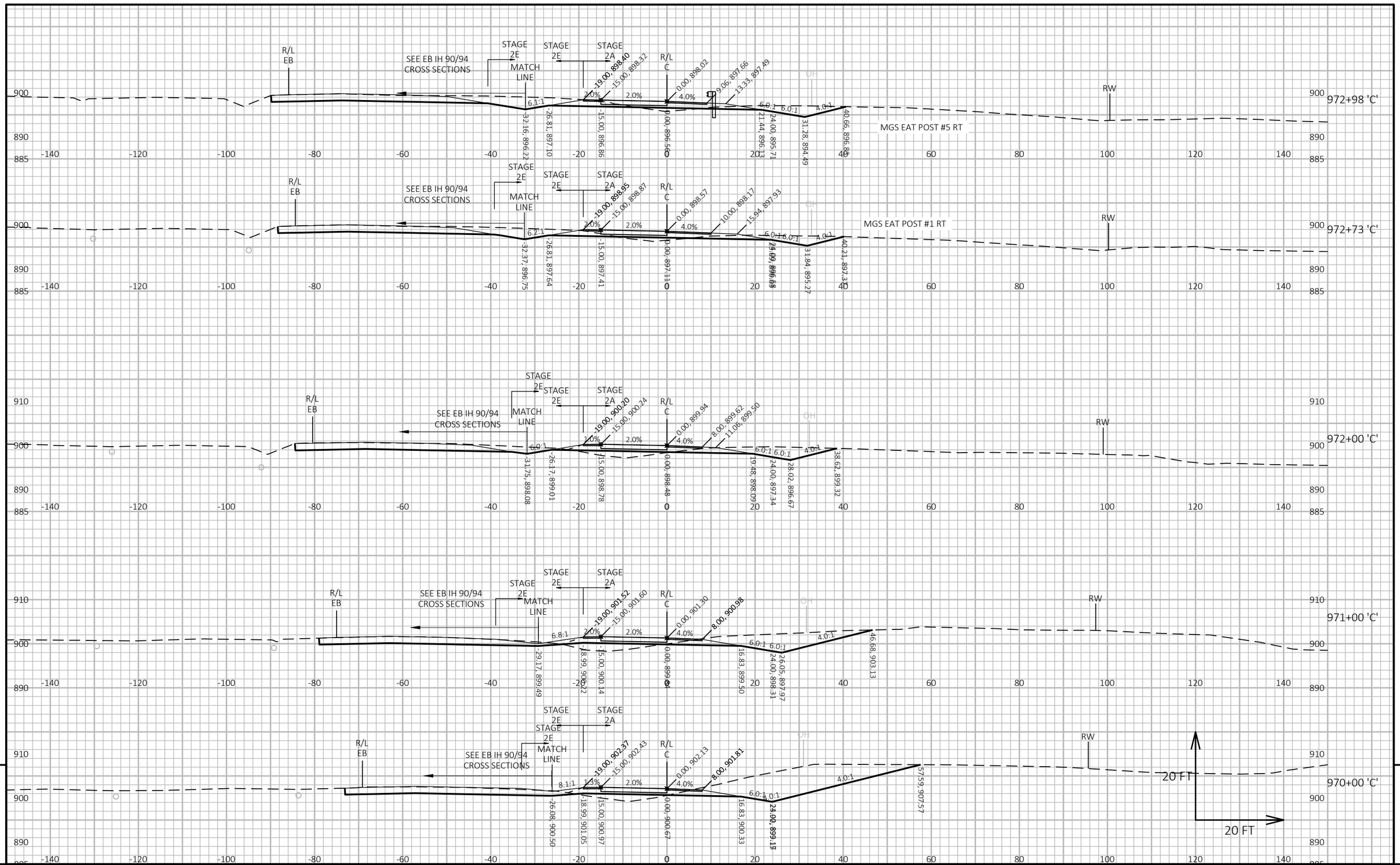
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP 'C'	SHEET 1049	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090231-xs

PLOT DATE : 11/15/2021 1:06 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

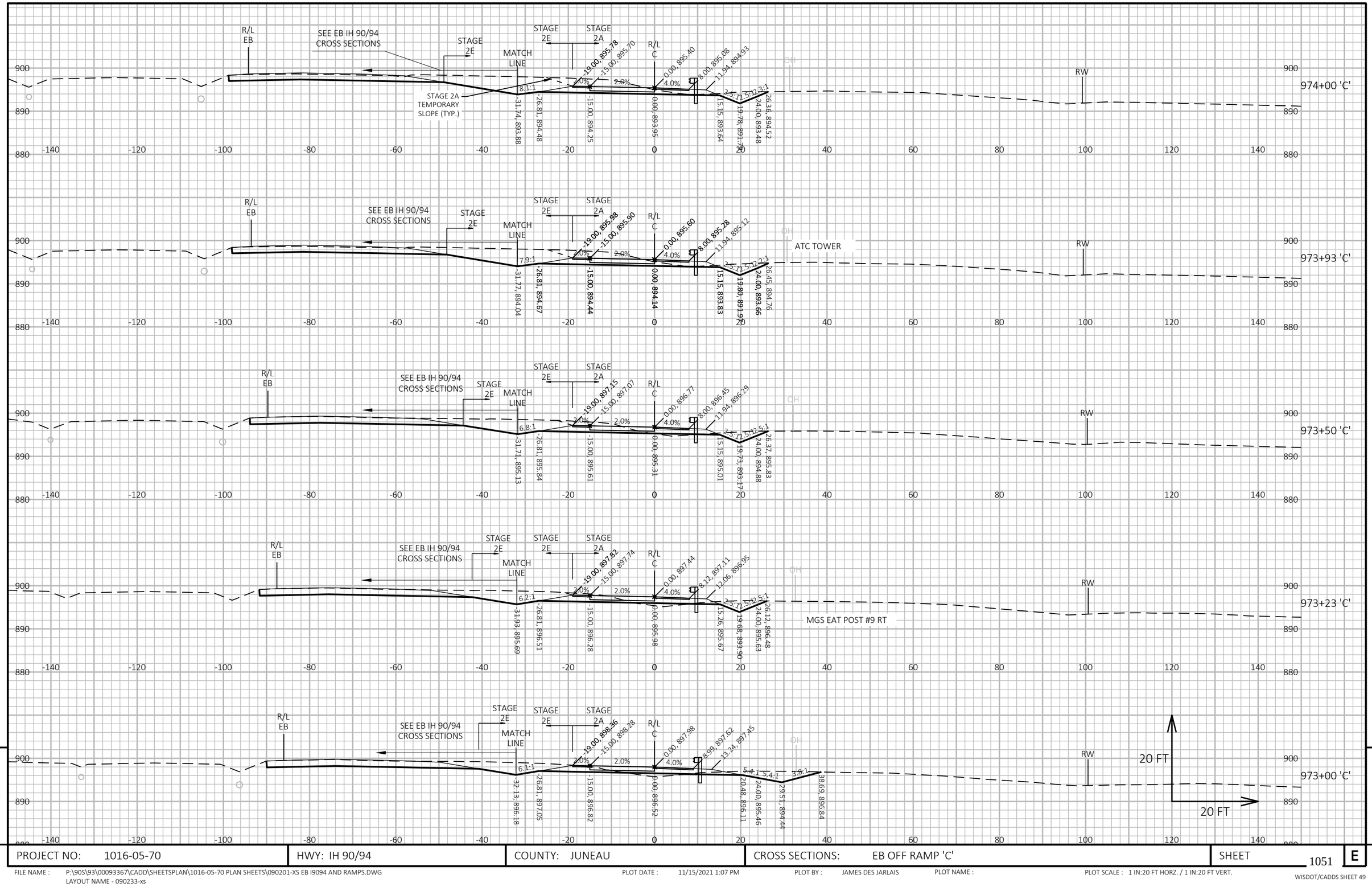


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP 'C'	SHEET 1050 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090232-xs

PLOT DATE : 11/15/2021 1:06 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



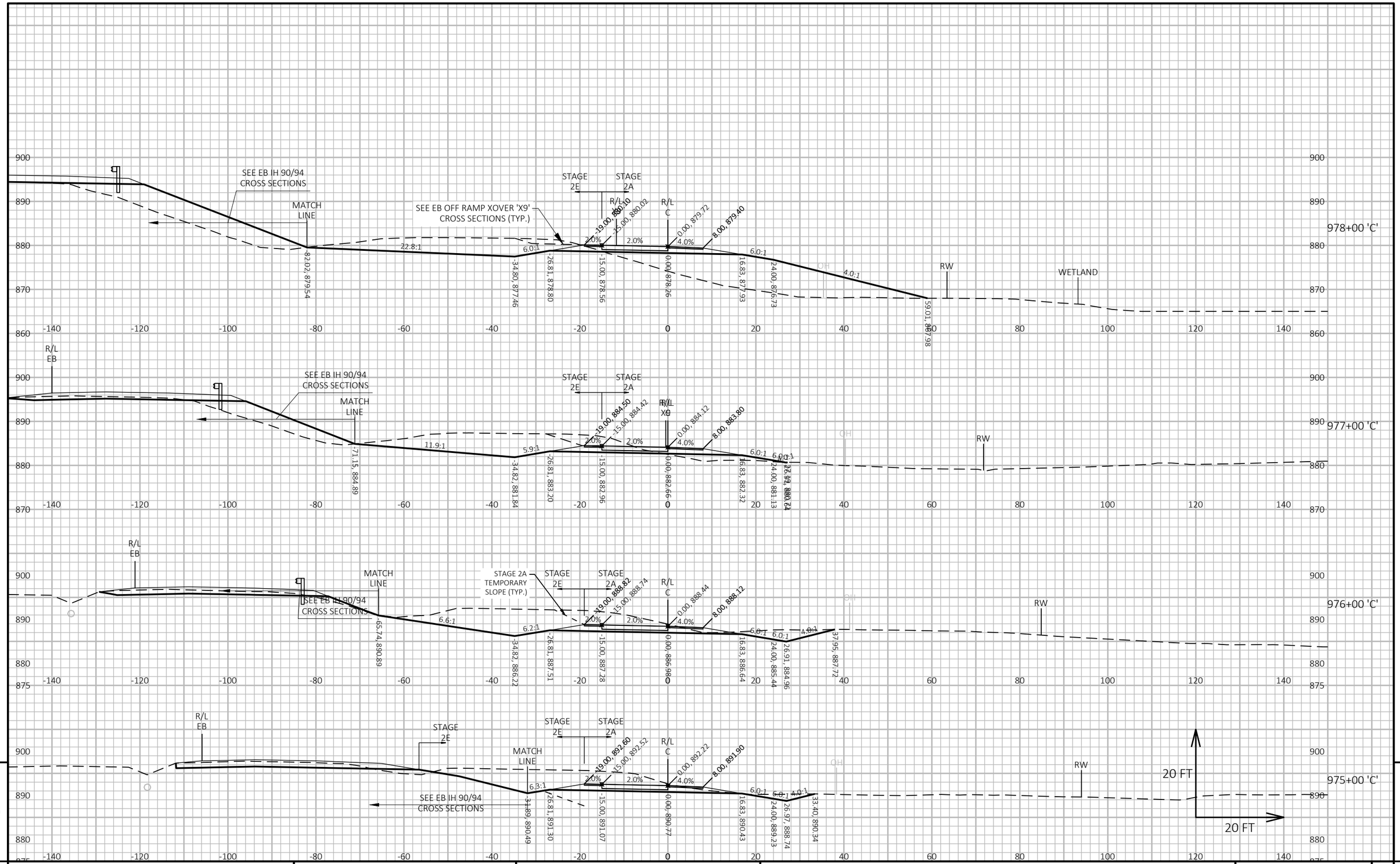
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP 'C'	SHEET 1051 E

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LAYOUT NAME - 090233-xs

PLOT DATE : 11/15/2021 1:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

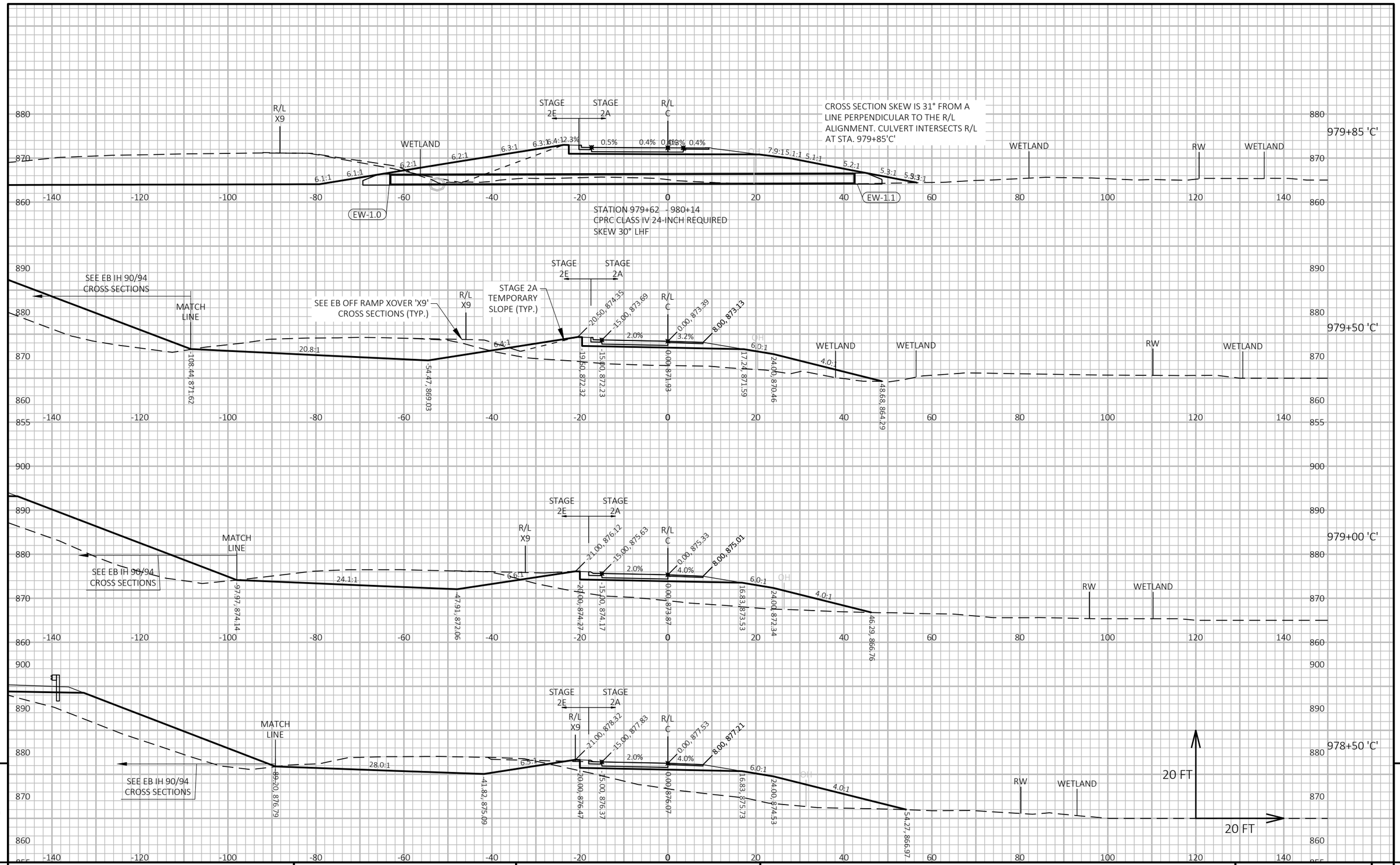


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP 'C'	SHEET 1052 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090234-xs

PLOT DATE : 11/15/2021 1:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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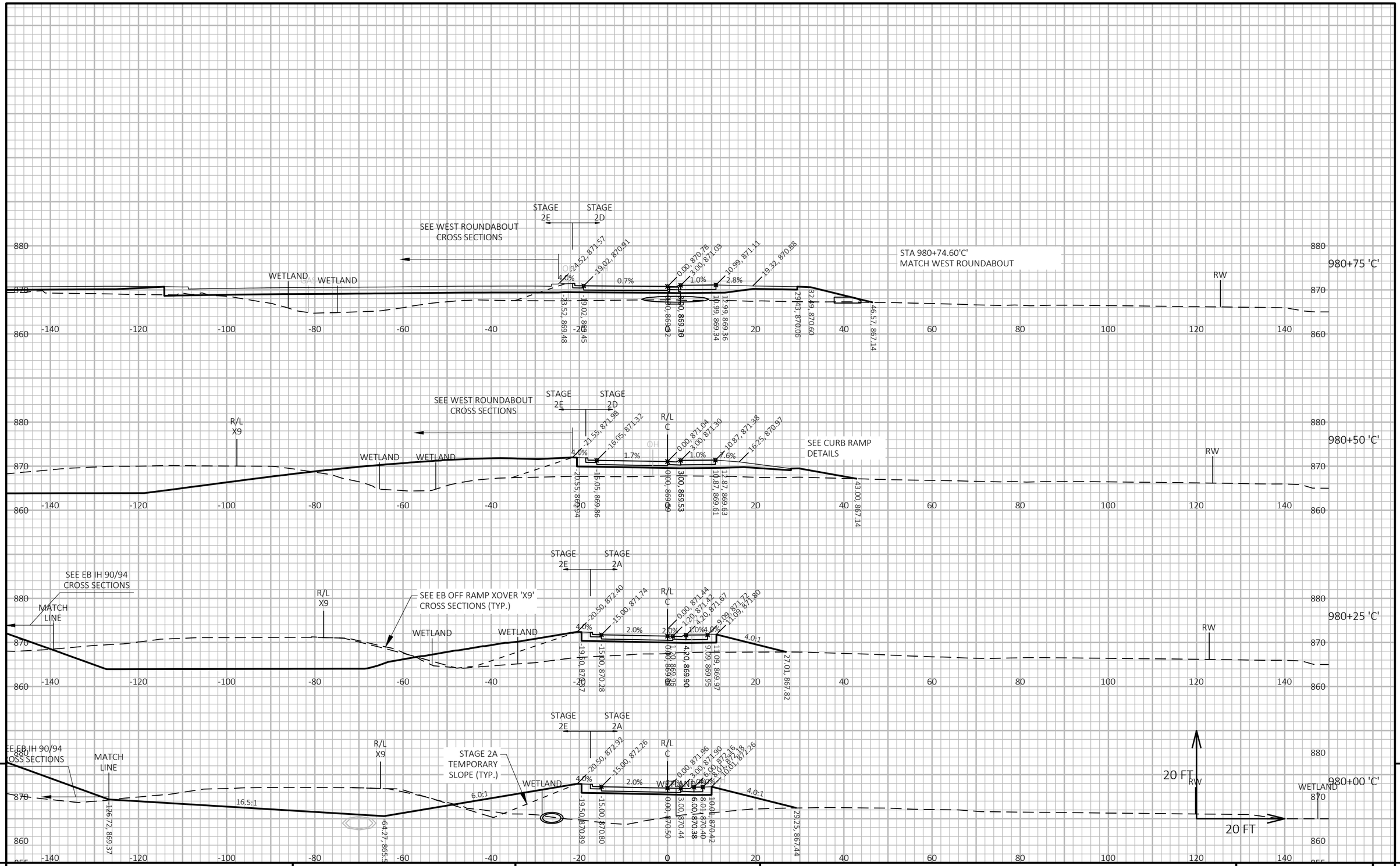
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP 'C'	SHEET 1053	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090235-xs

PLOT DATE : 11/15/2021 1:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

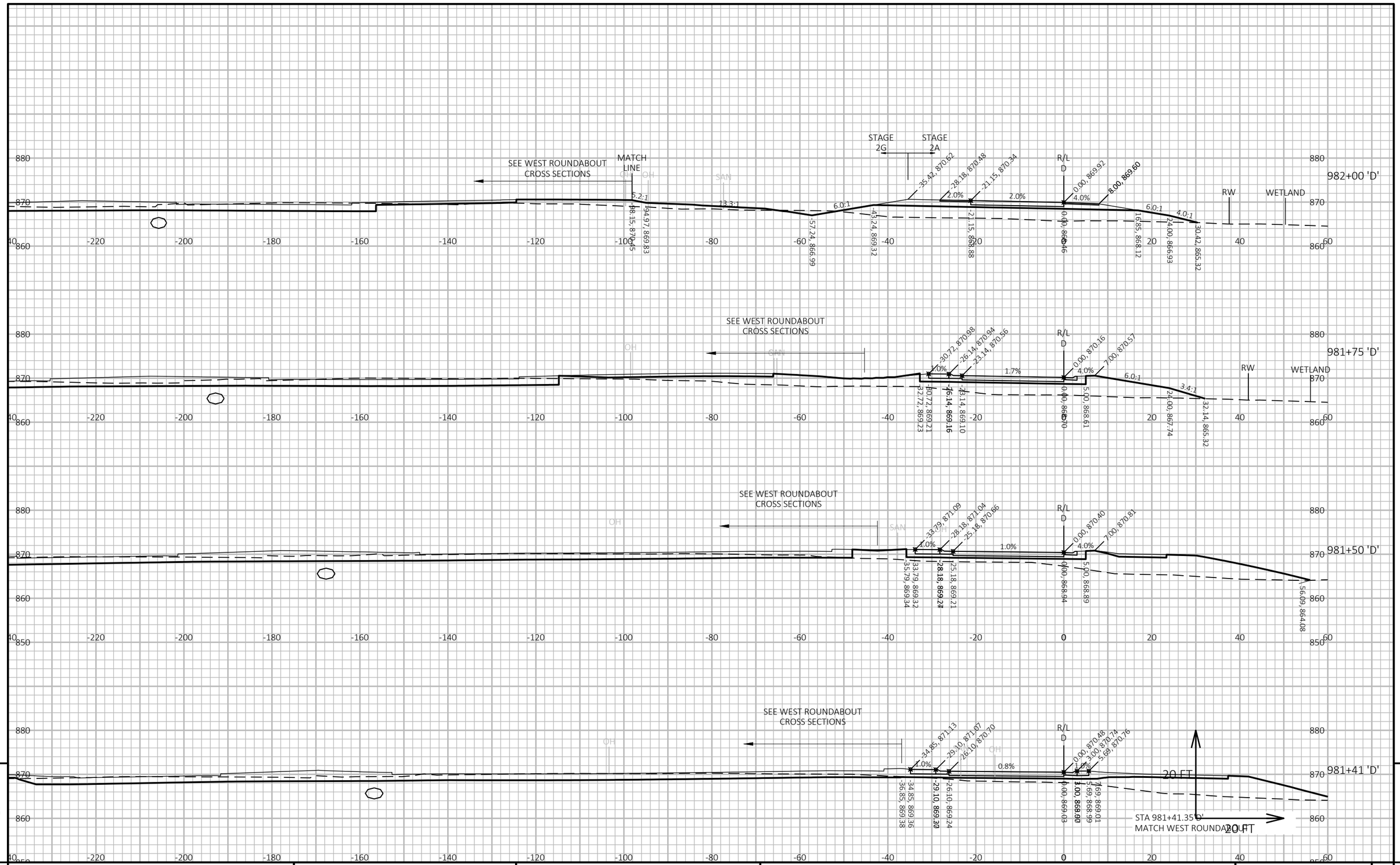


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP 'C'	SHEET 1054	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090236-xs

PLOT DATE : 11/15/2021 1:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

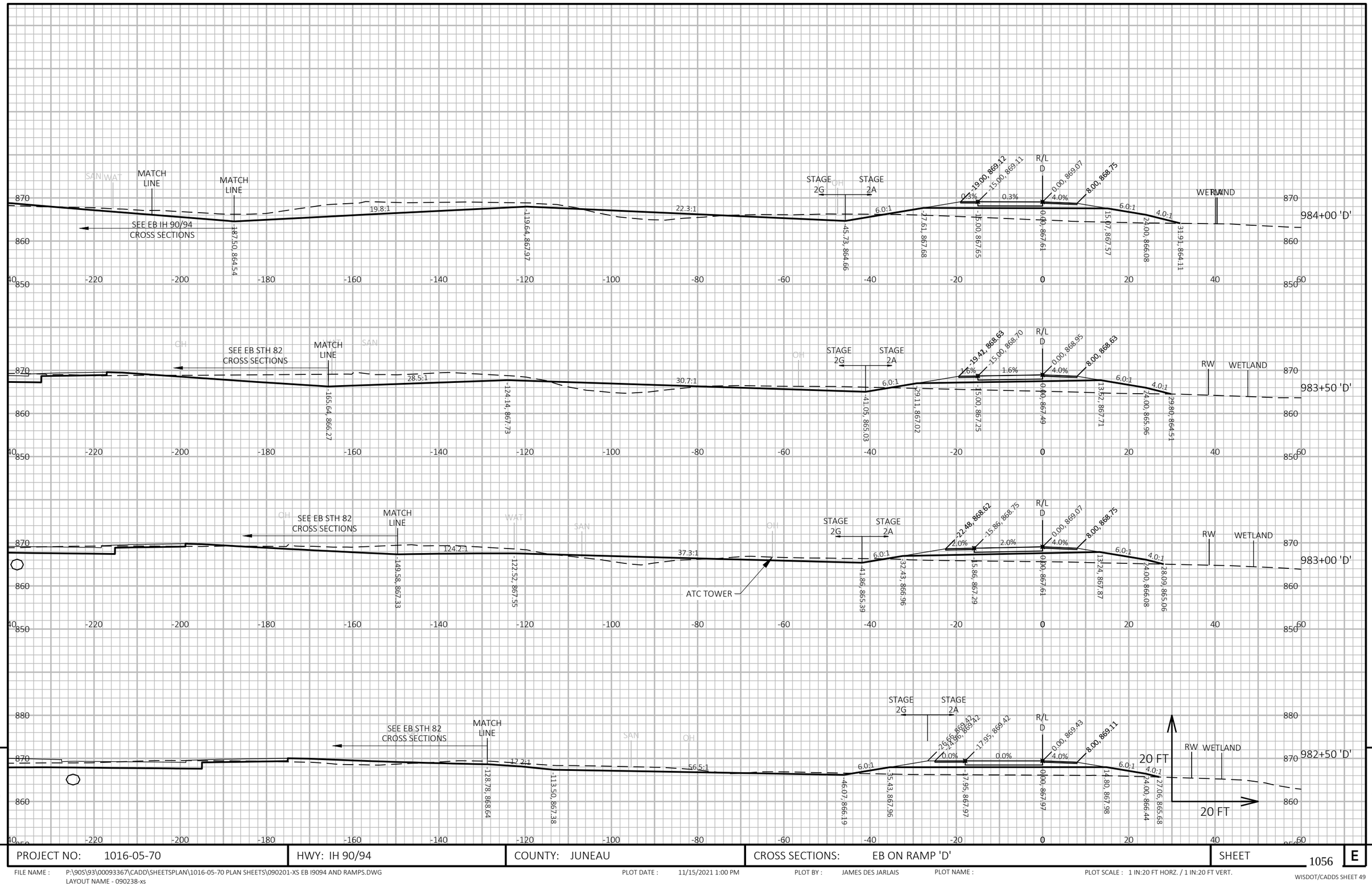


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP 'D'	SHEET 1055 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090237-xs

PLOT DATE : 11/15/2021 1:00 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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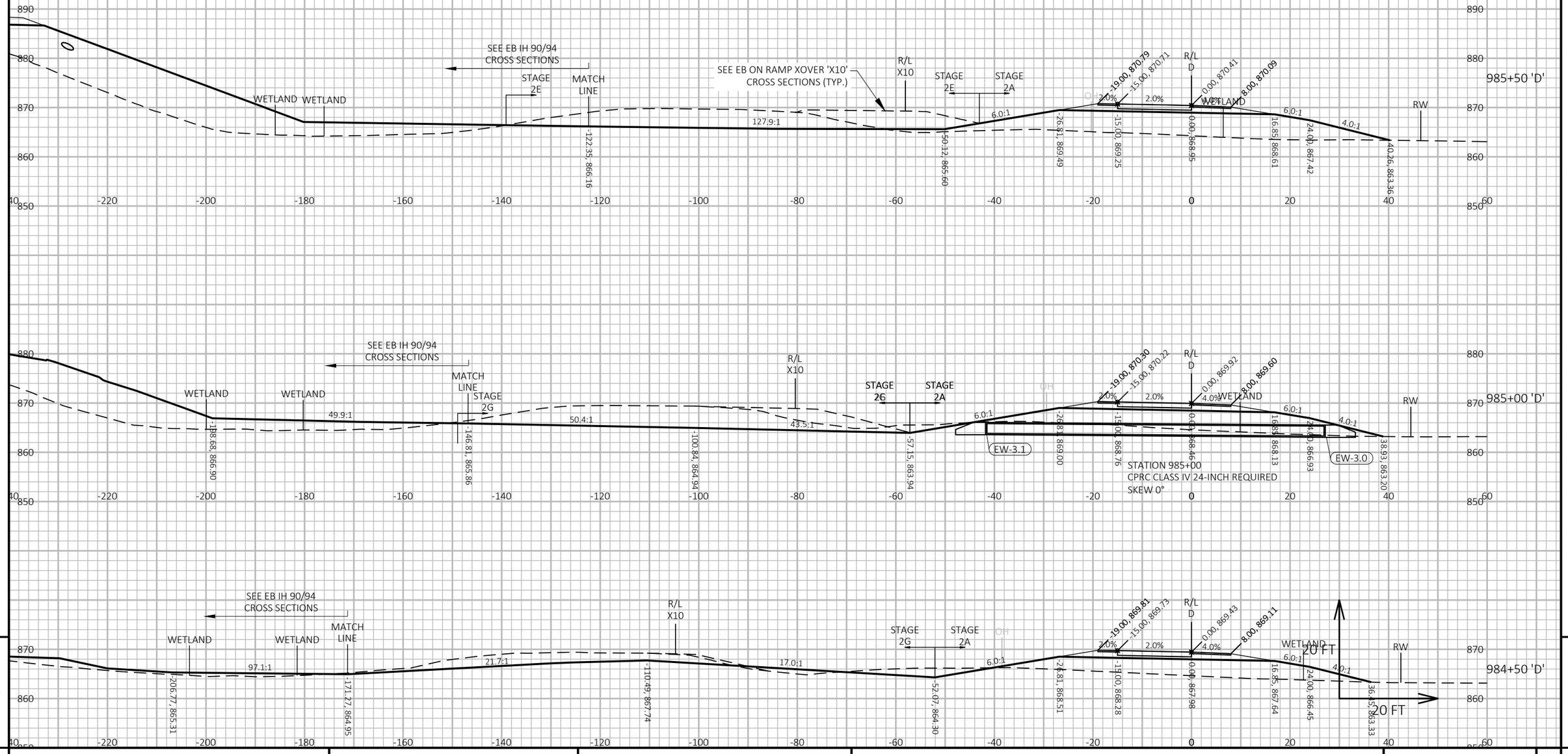
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP 'D'	SHEET 1056 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090238-xs

PLOT DATE : 11/15/2021 1:00 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

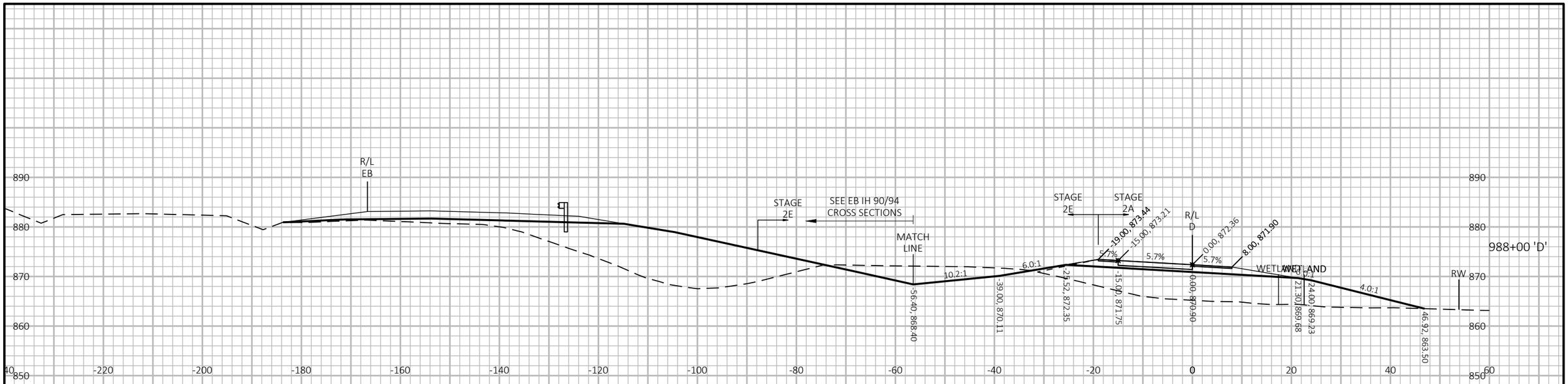


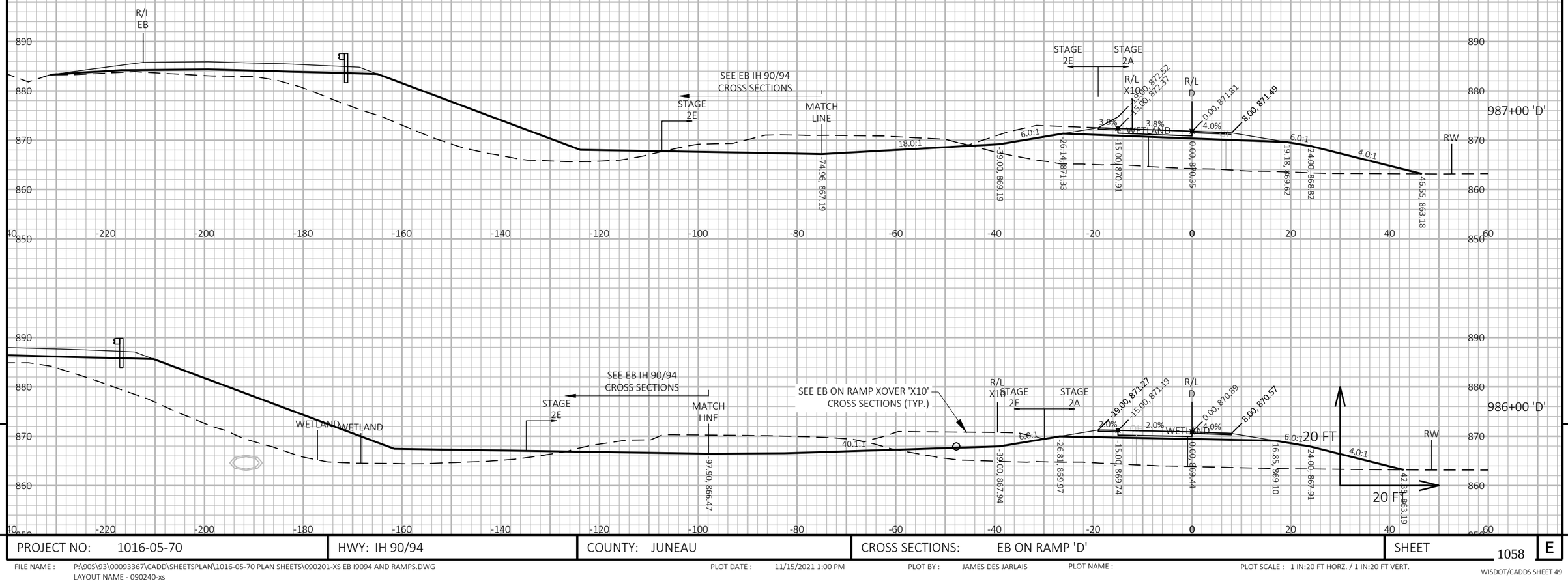
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP 'D'	SHEET 1057	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090239-xs

PLOT DATE : 11/15/2021 1:00 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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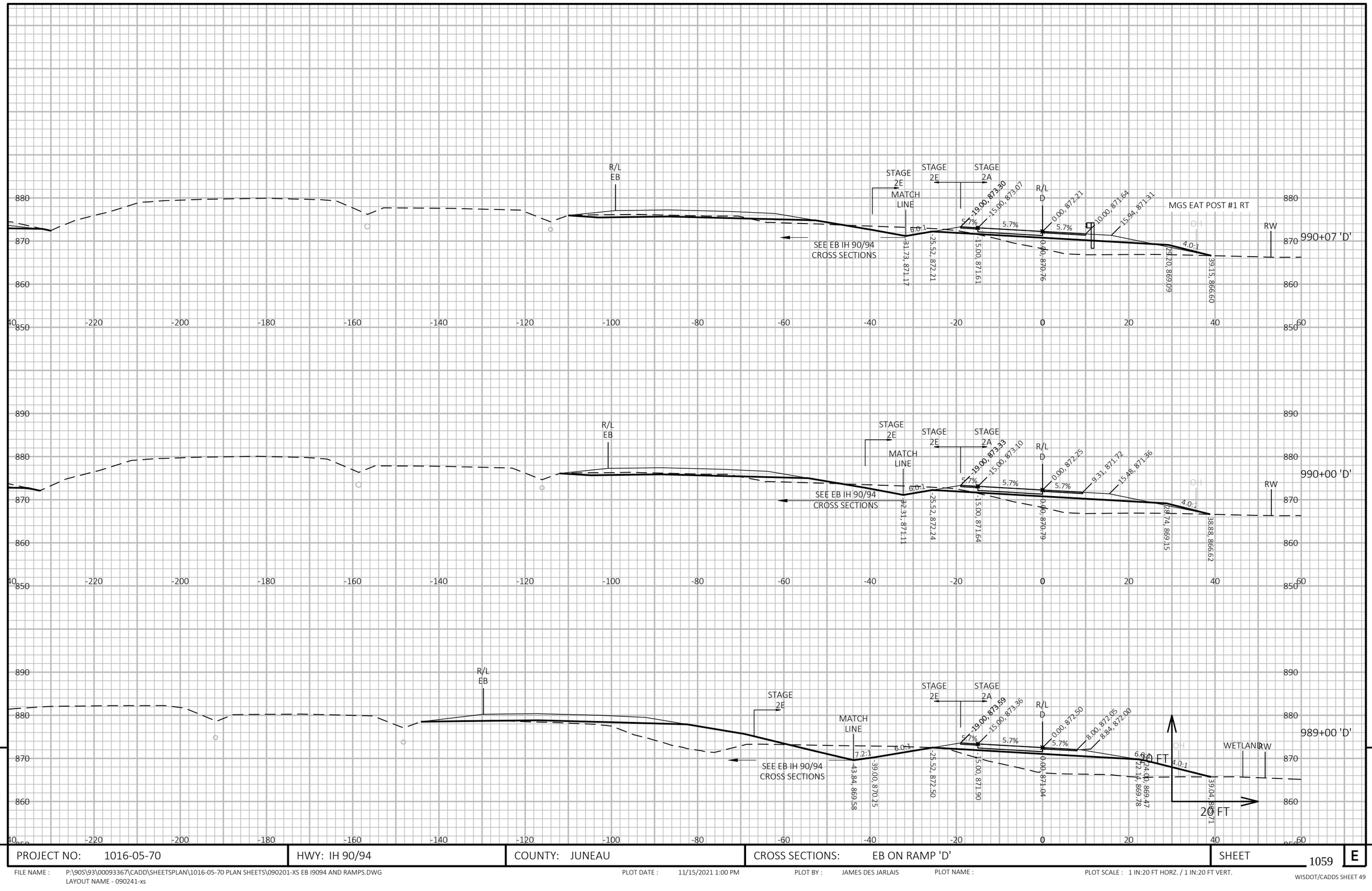
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP 'D'	SHEET 1058	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090240-xs

PLOT DATE : 11/15/2021 1:00 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

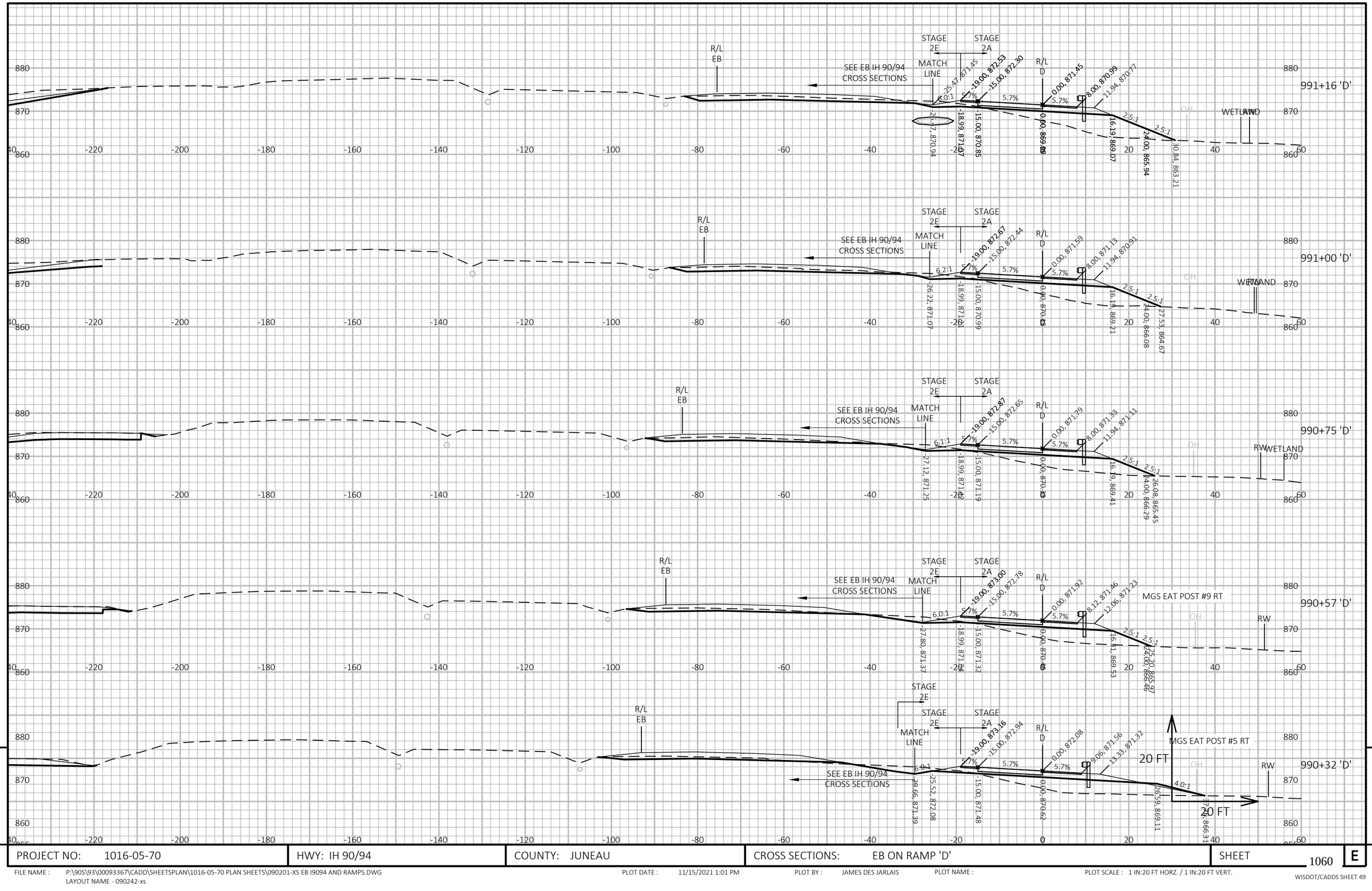


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP 'D'	SHEET 1059	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090241-xs

PLOT DATE : 11/15/2021 1:00 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

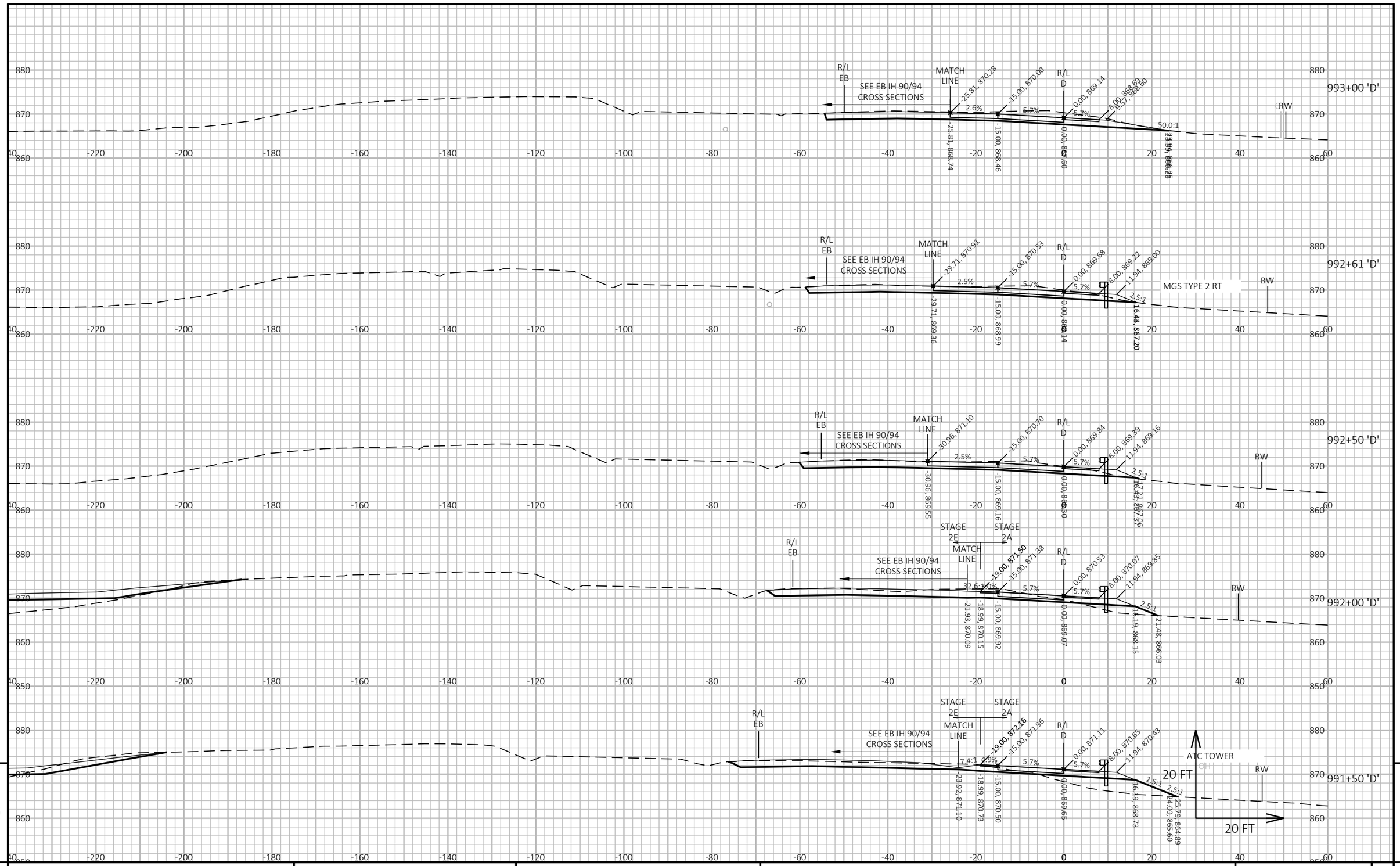
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP 'D'	SHEET 1060	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090242-xs

PLOT DATE : 11/15/2021 1:01 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



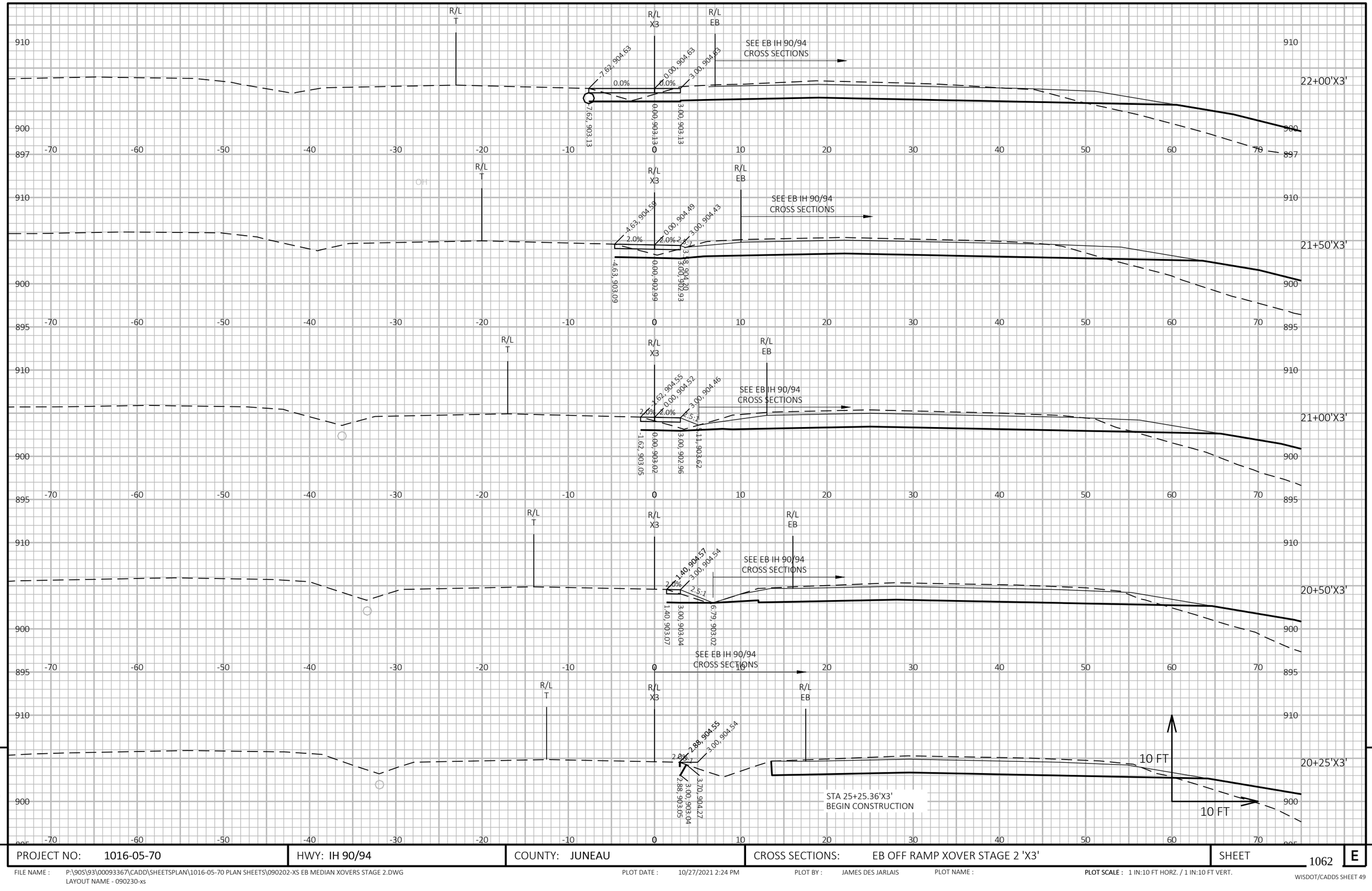
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP 'D'	SHEET 1061	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090201-XS EB I9094 AND RAMPS.DWG
LAYOUT NAME - 090243-xs

PLOT DATE : 11/15/2021 1:01 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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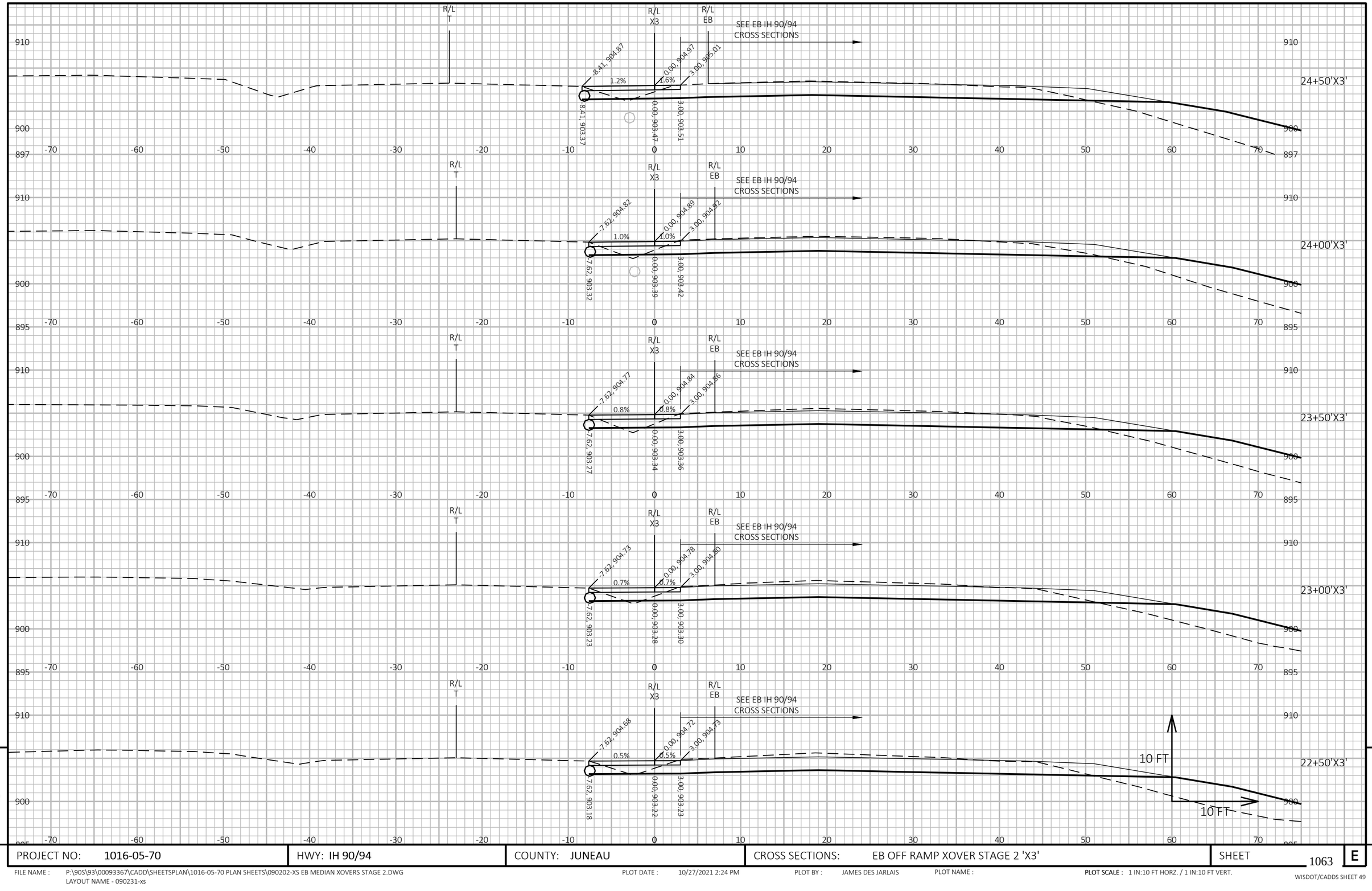
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP XOVER STAGE 2 'X3'	SHEET 1062 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090202-XS EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 090230-xs

PLOT DATE : 10/27/2021 2:24 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



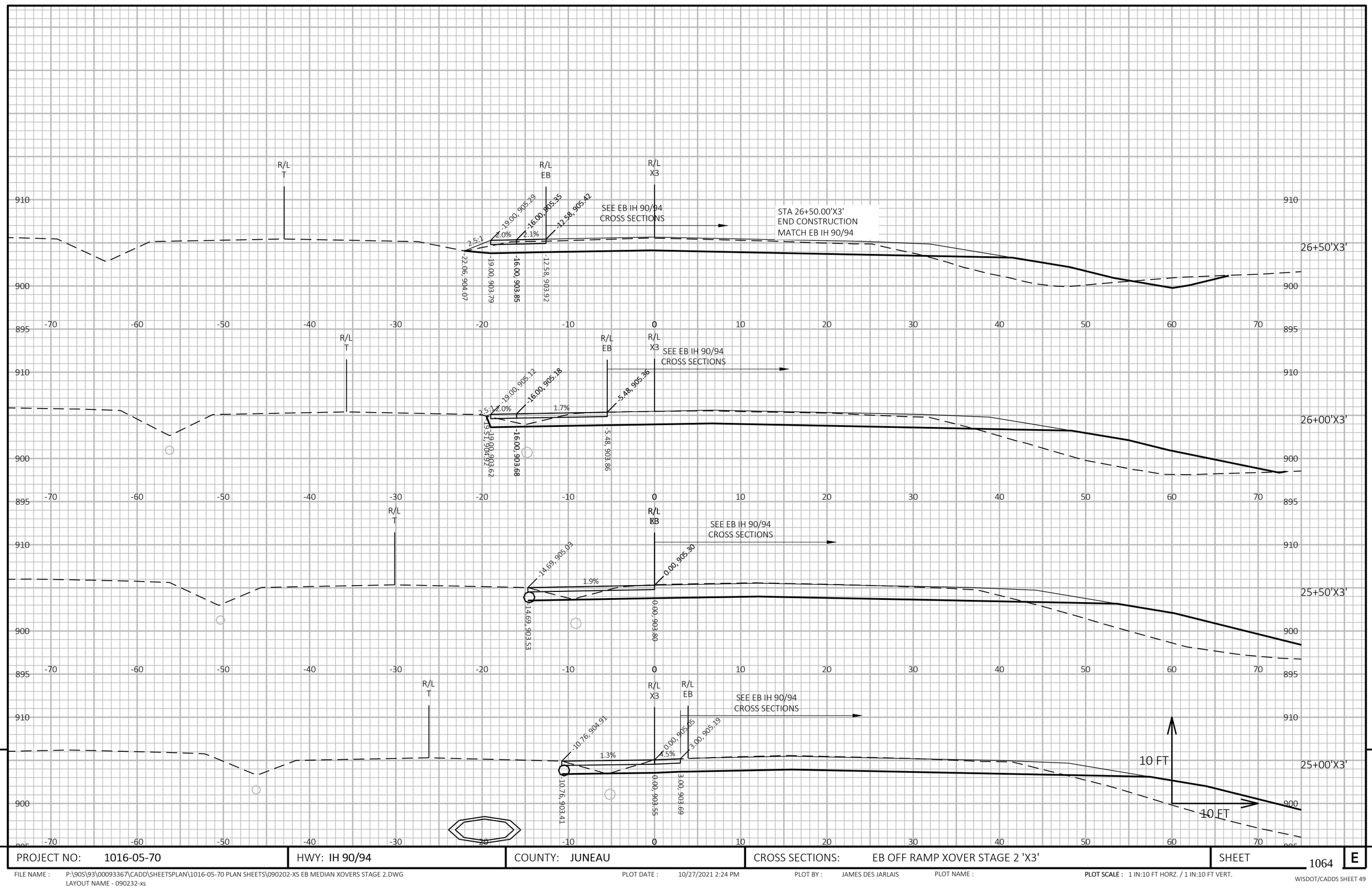
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP XOVER STAGE 2 'X3'	SHEET 1063 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090202-XS EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 090231-xs

PLOT DATE : 10/27/2021 2:24 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



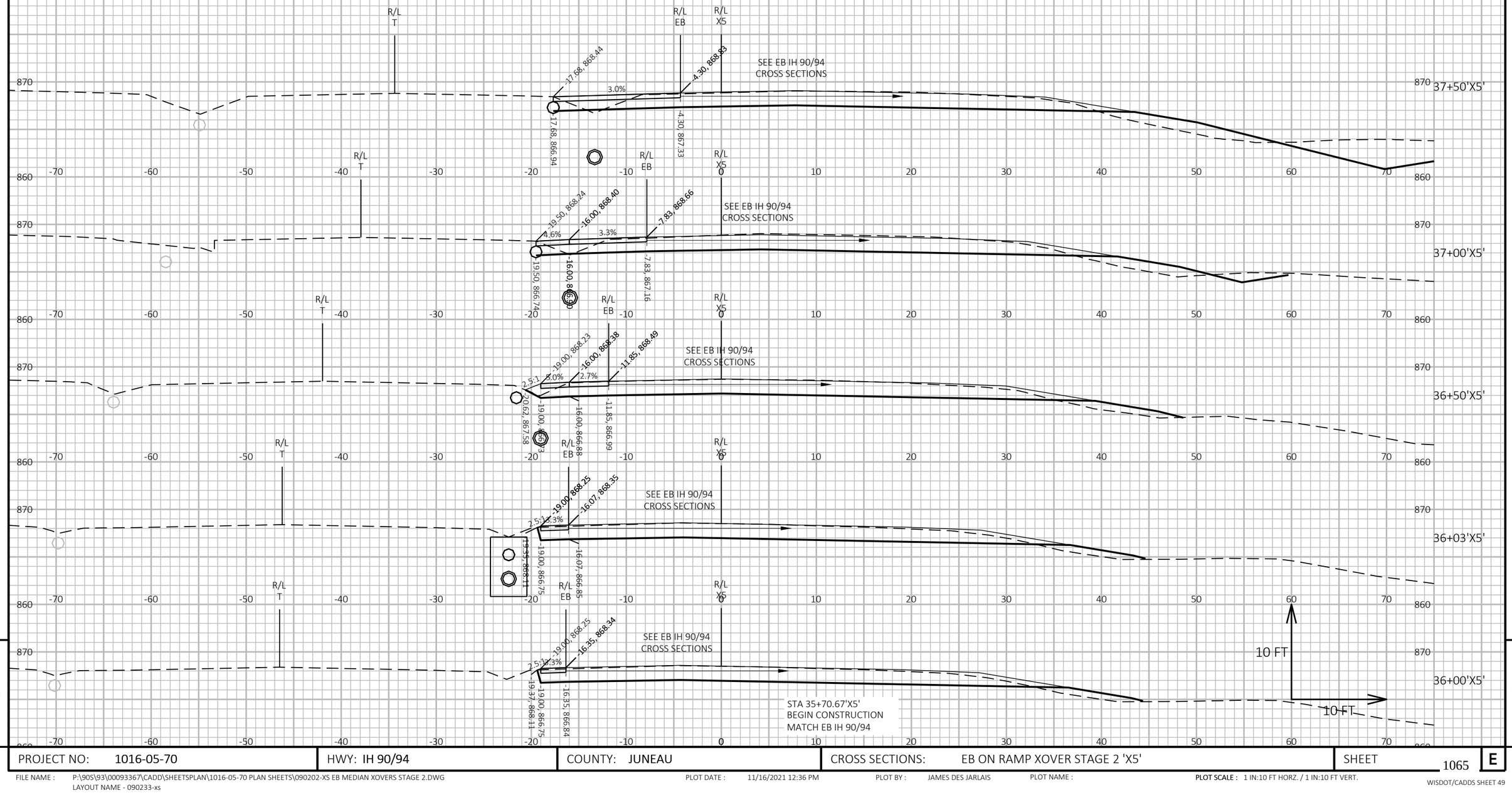
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP XOVER STAGE 2 'X3'	SHEET 1064 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090202-XS EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 090232-xs

PLOT DATE : 10/27/2021 2:24 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

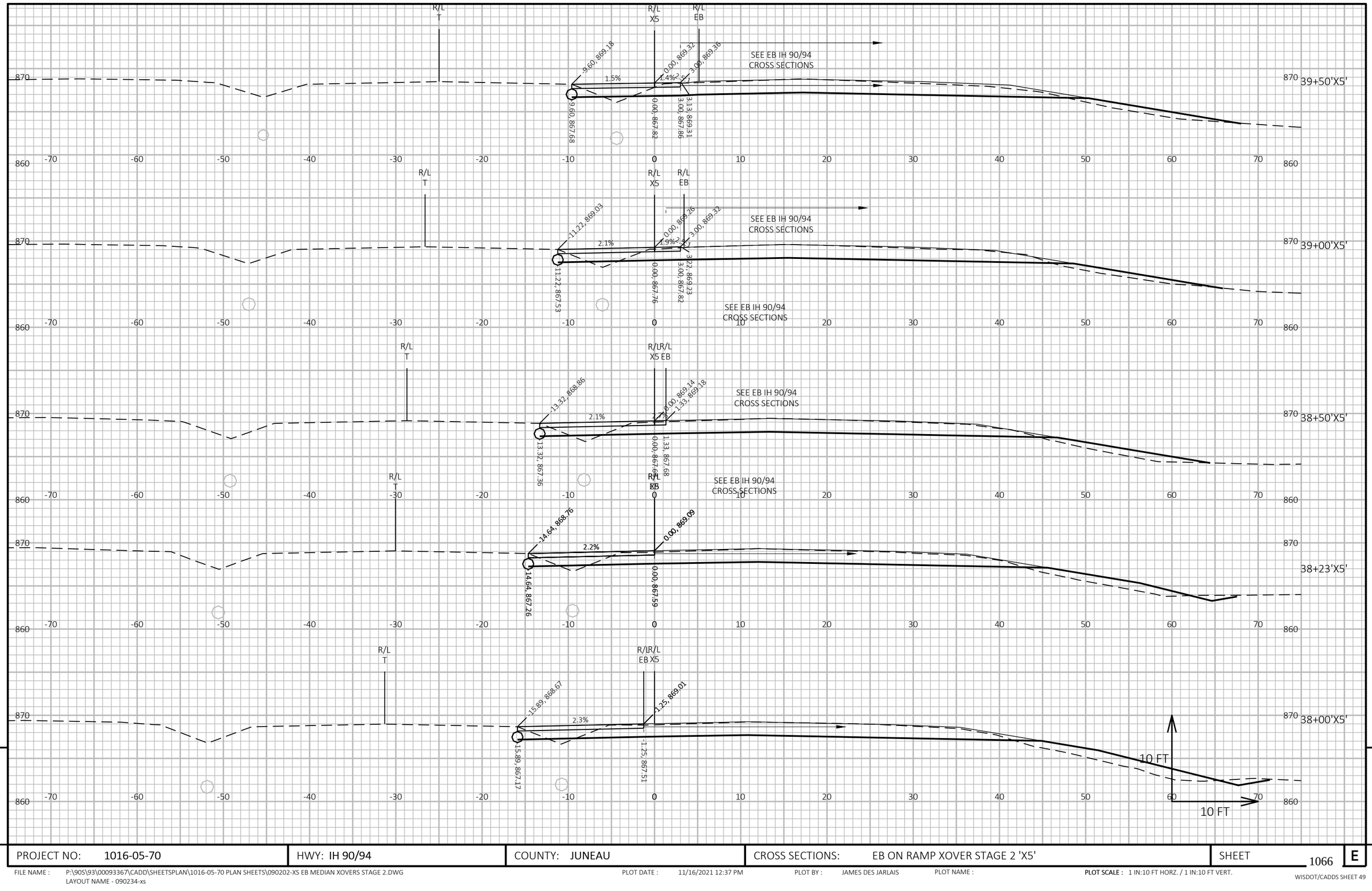


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP XOVER STAGE 2 'X5'	SHEET 1065 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090202-XS EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 090233-xs

PLOT DATE : 11/16/2021 12:36 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

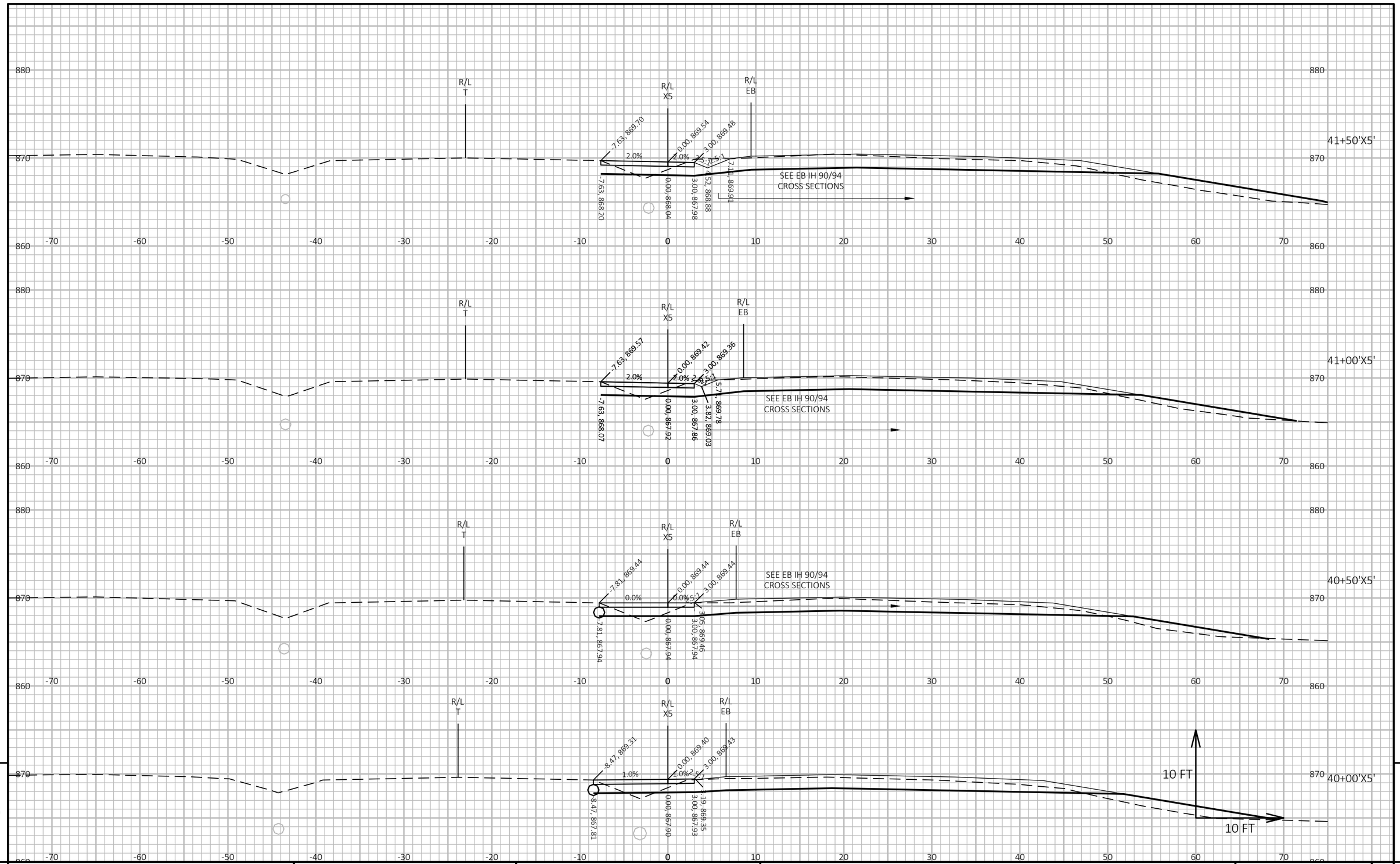


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP XOVER STAGE 2 'X5'	SHEET 1066	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090202-XS EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 090234-xs

PLOT DATE : 11/16/2021 12:37 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



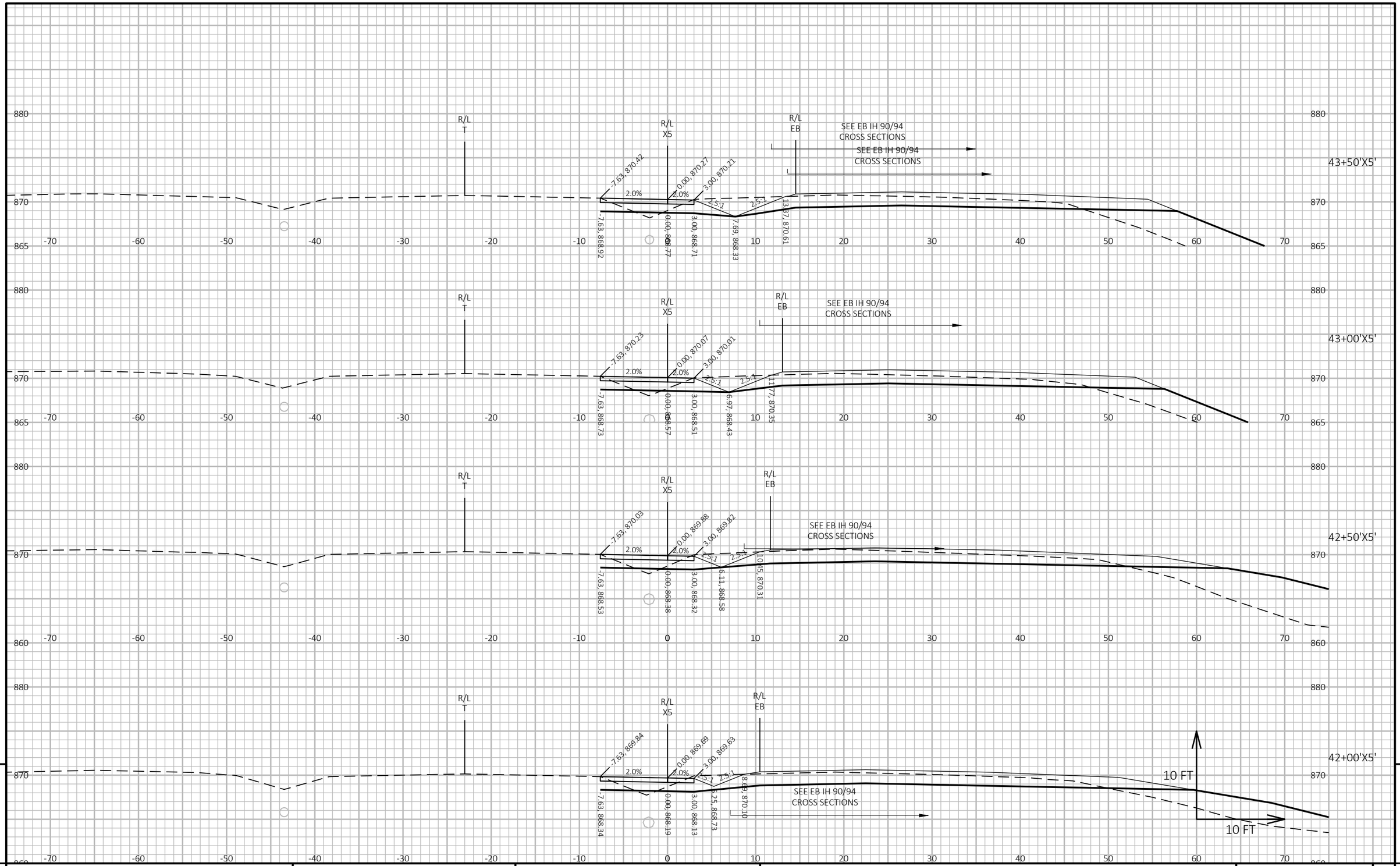
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP XOVER STAGE 2 'X5'	SHEET 1067	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090202-XS EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 090235-xs

PLOT DATE : 11/16/2021 12:37 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP XOVER STAGE 2 'X5'	SHEET 1068	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090202-XS EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 090236-xs

PLOT DATE : 11/16/2021 12:37 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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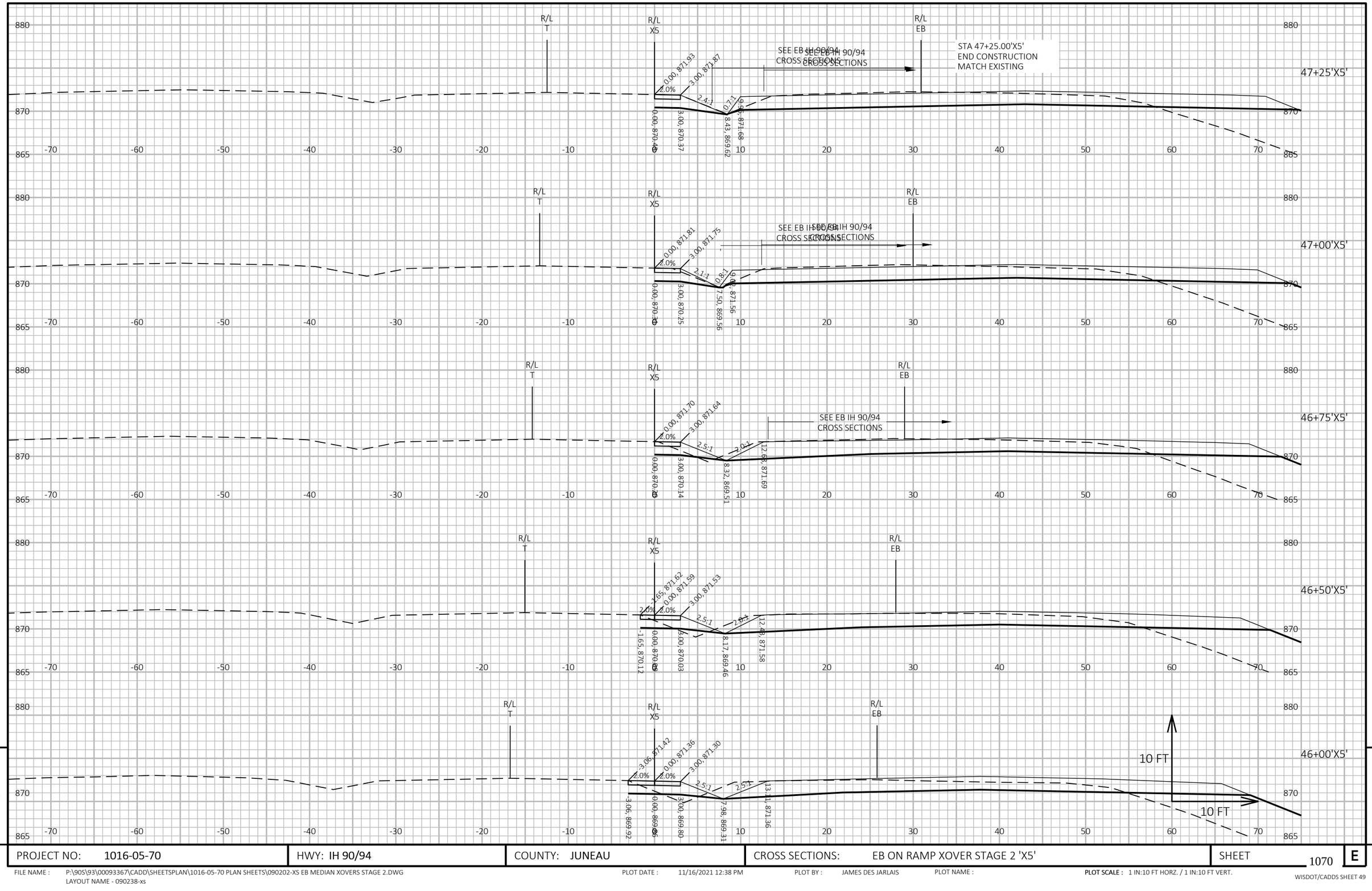
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP XOVER STAGE 2 'X5'	SHEET 1069	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090202-XS EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 090237-xs

PLOT DATE : 11/16/2021 12:37 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



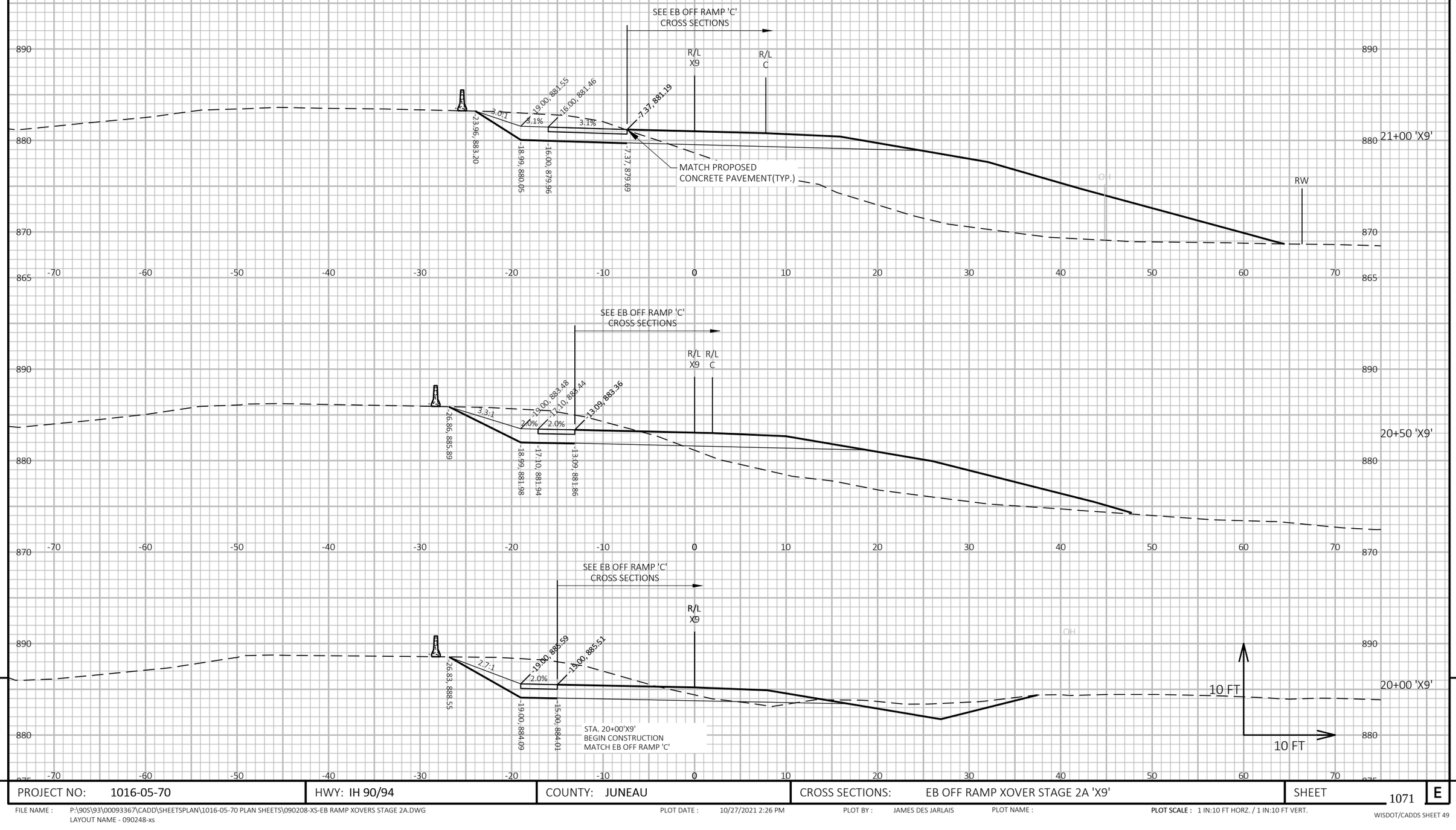
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP XOVER STAGE 2 'X5'	SHEET 1070	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090202-XS EB MEDIAN XOVERS STAGE 2.DWG
LAYOUT NAME - 090238-xs

PLOT DATE : 11/16/2021 12:38 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

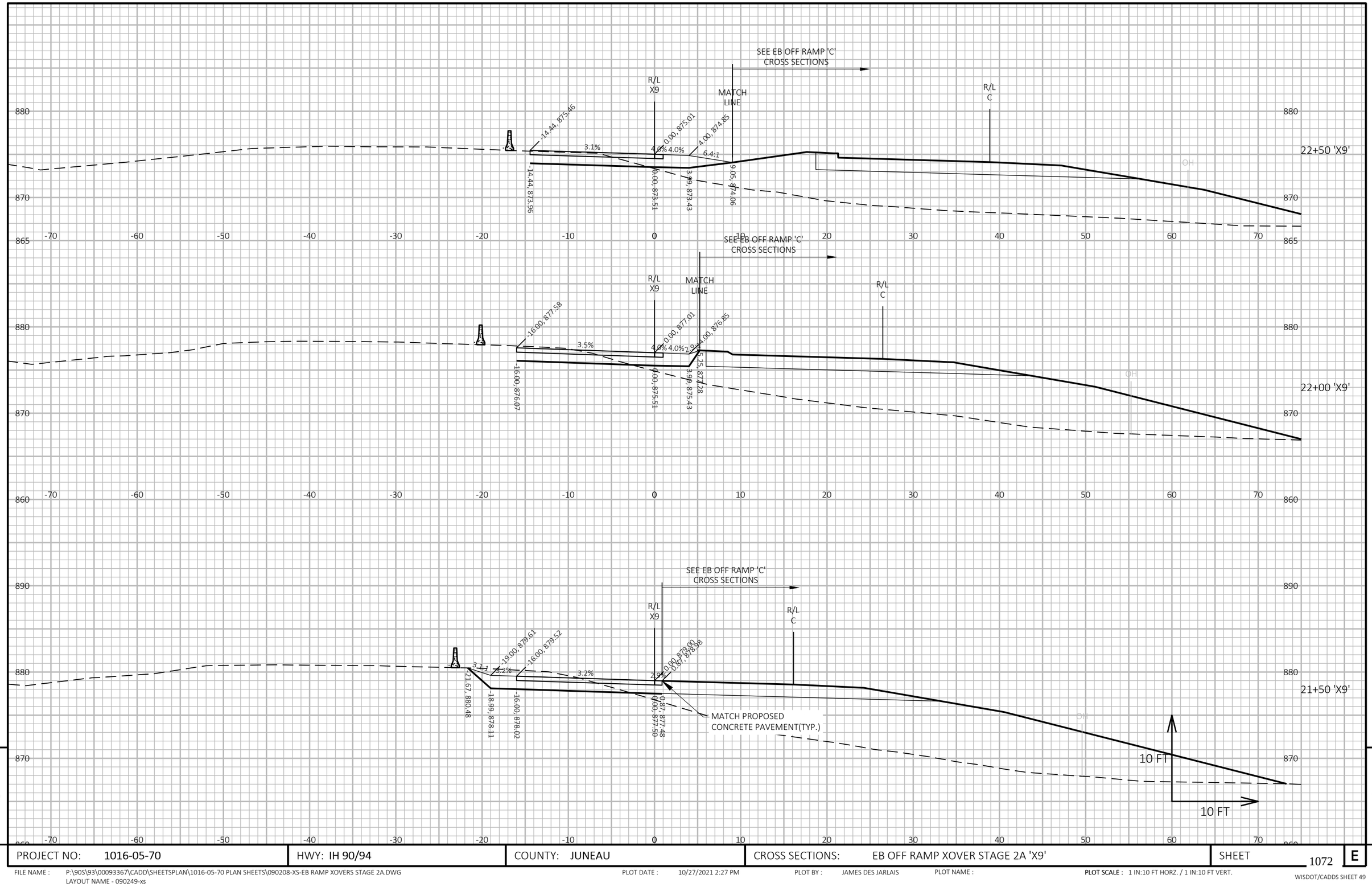


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP XOVER STAGE 2A 'X9'	SHEET 1071 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-EB RAMP XOVERS STAGE 2A.DWG
LAYOUT NAME - 090248-xs

PLOT DATE : 10/27/2021 2:26 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

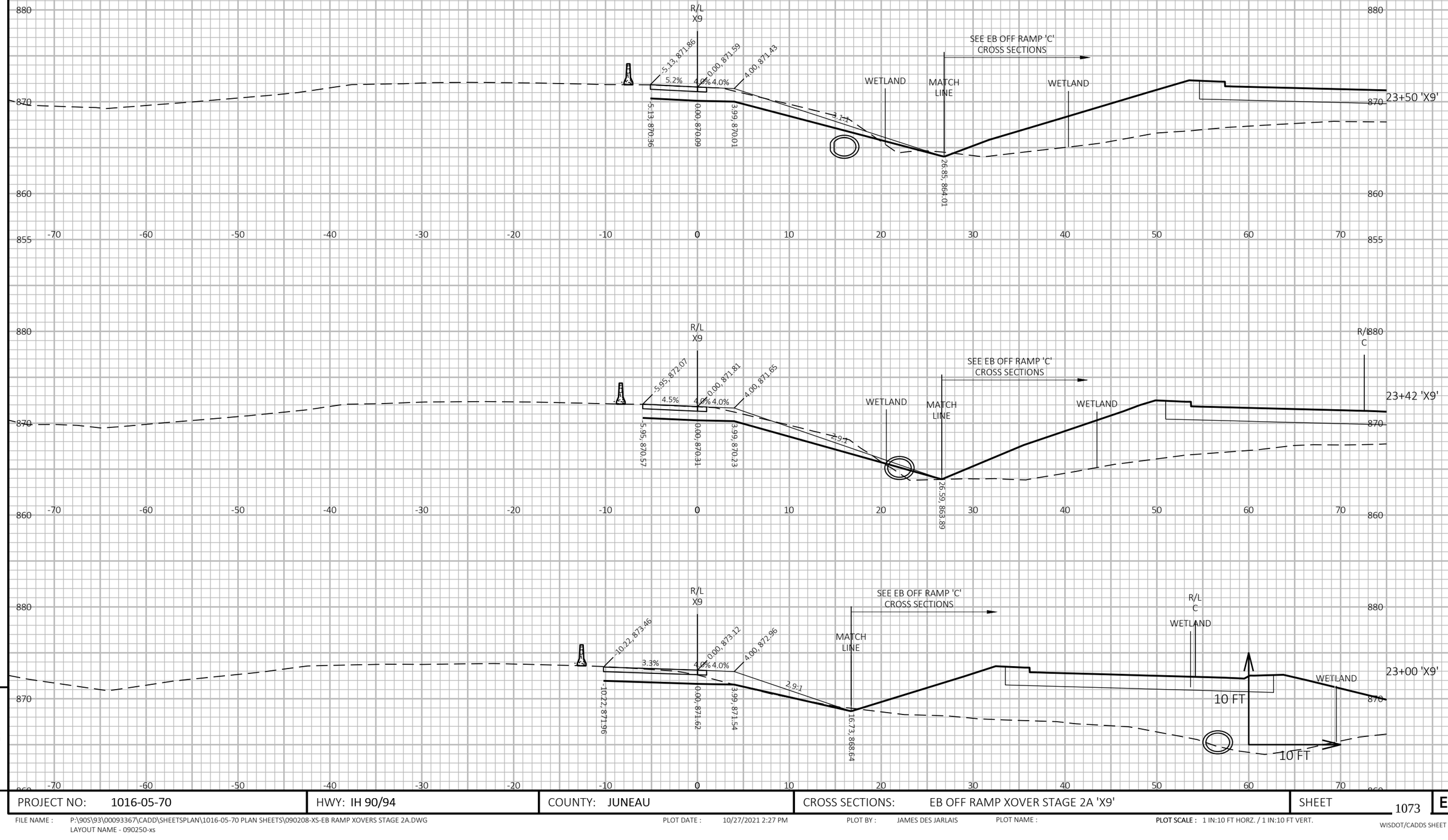
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP XOVER STAGE 2A 'X9'	SHEET 1072	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-EB RAMP XOVERS STAGE 2A.DWG
LAYOUT NAME - 090249-xs

PLOT DATE : 10/27/2021 2:27 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

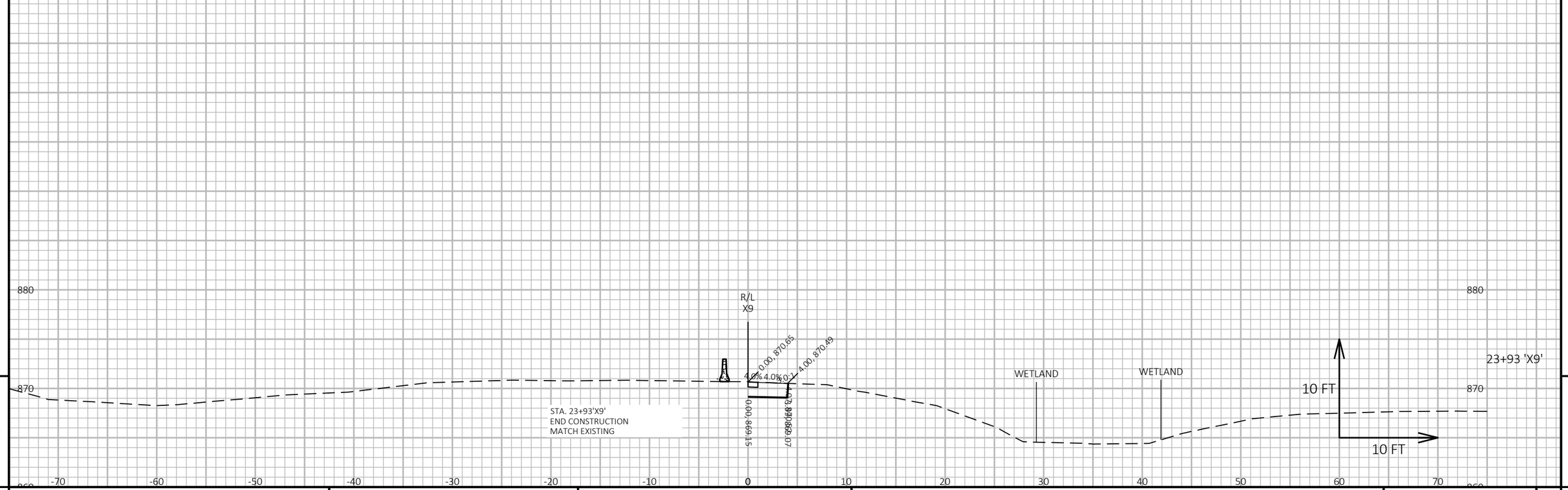


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP XOVER STAGE 2A 'X9'	SHEET 1073	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-EB RAMP XOVERS STAGE 2A.DWG
LAYOUT NAME - 090250-xs

PLOT DATE : 10/27/2021 2:27 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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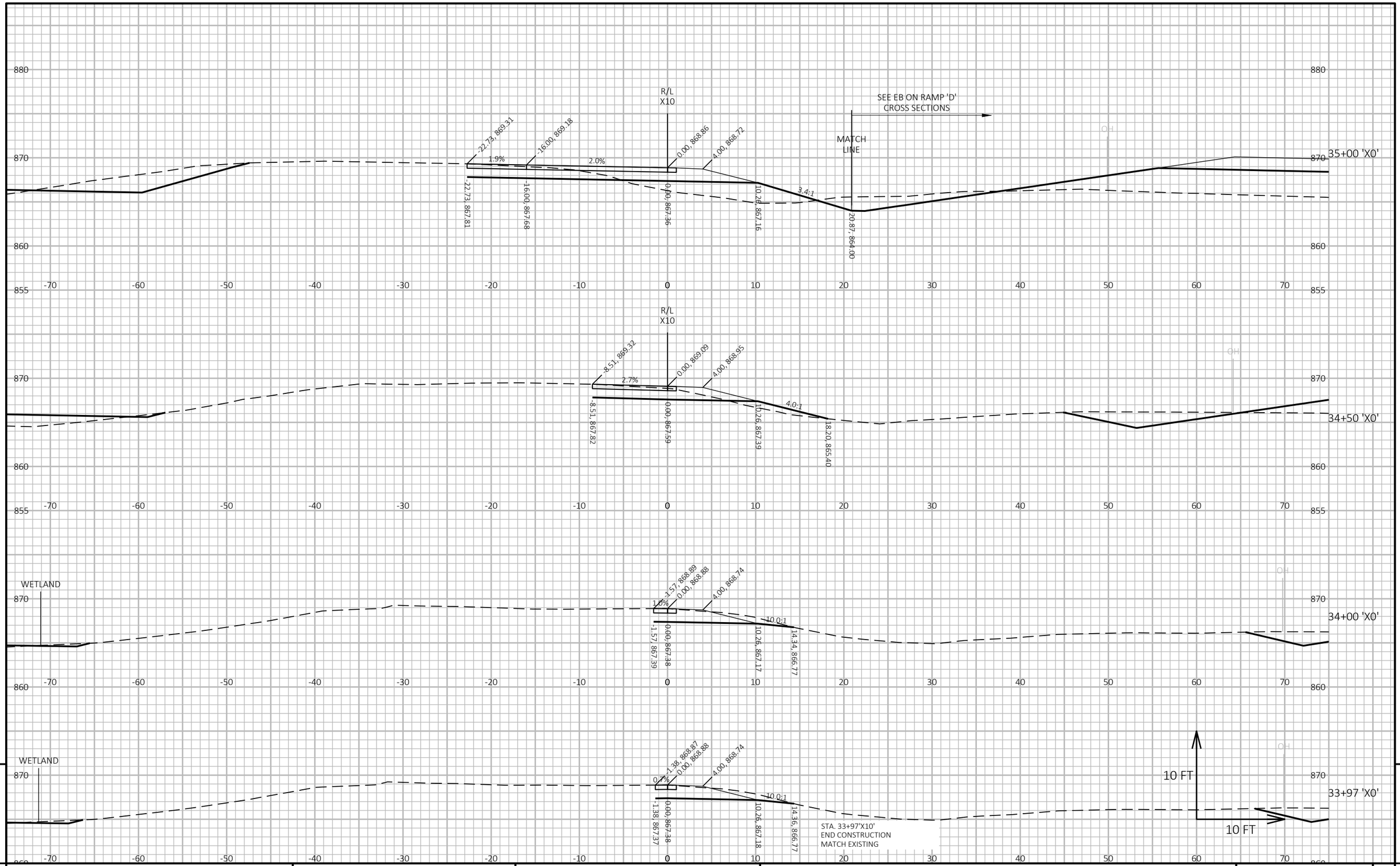
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB OFF RAMP XOVER STAGE 2A 'X9'	SHEET 1074	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-EB RAMP XOVERS STAGE 2A.DWG
LAYOUT NAME - 090251-xs

PLOT DATE : 10/27/2021 2:27 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

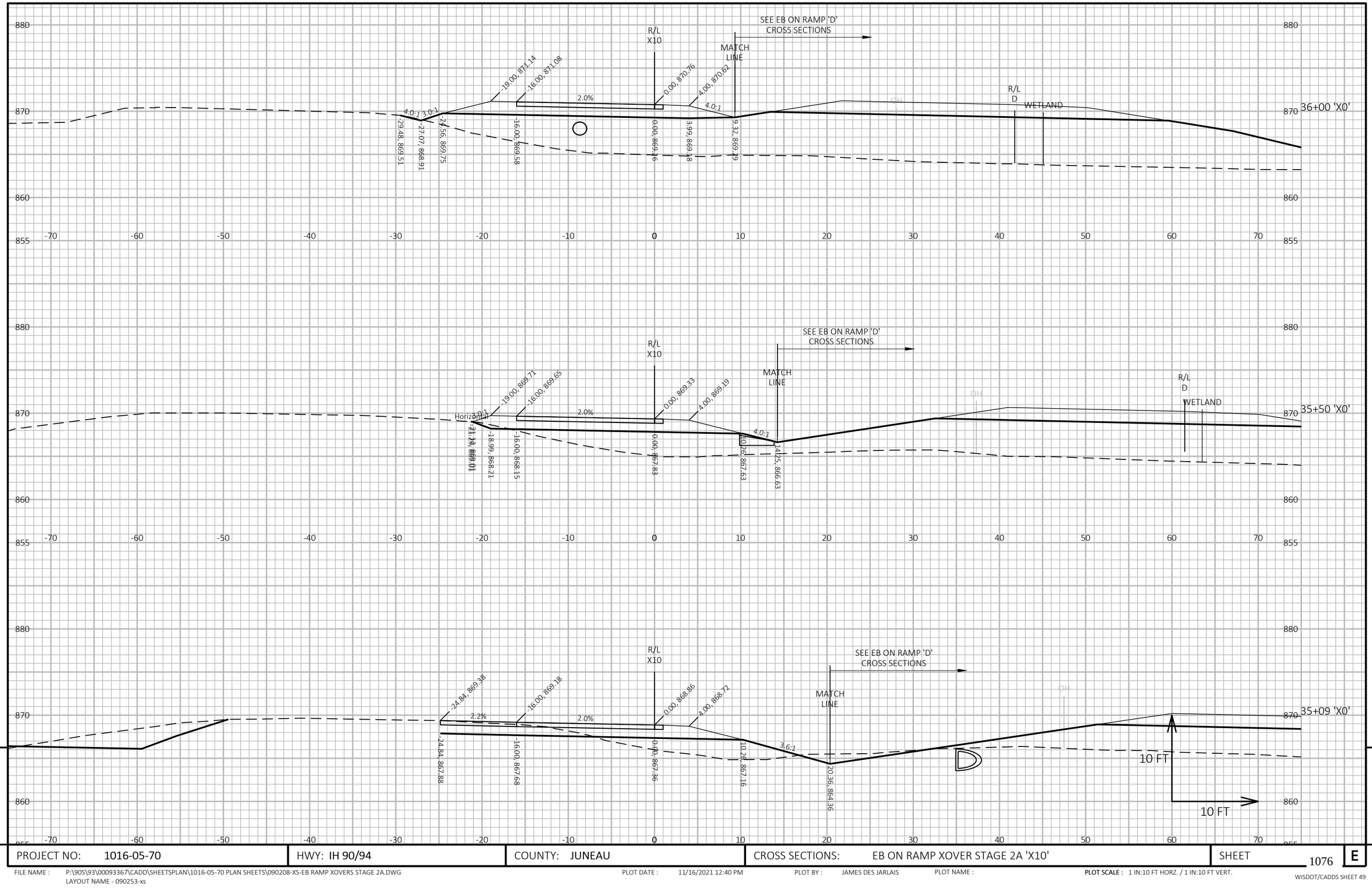


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP XOVER STAGE 2A 'X10'	SHEET 1075 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-EB RAMP XOVERS STAGE 2A.DWG
LAYOUT NAME - 090252-xs

PLOT DATE : 11/16/2021 12:39 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



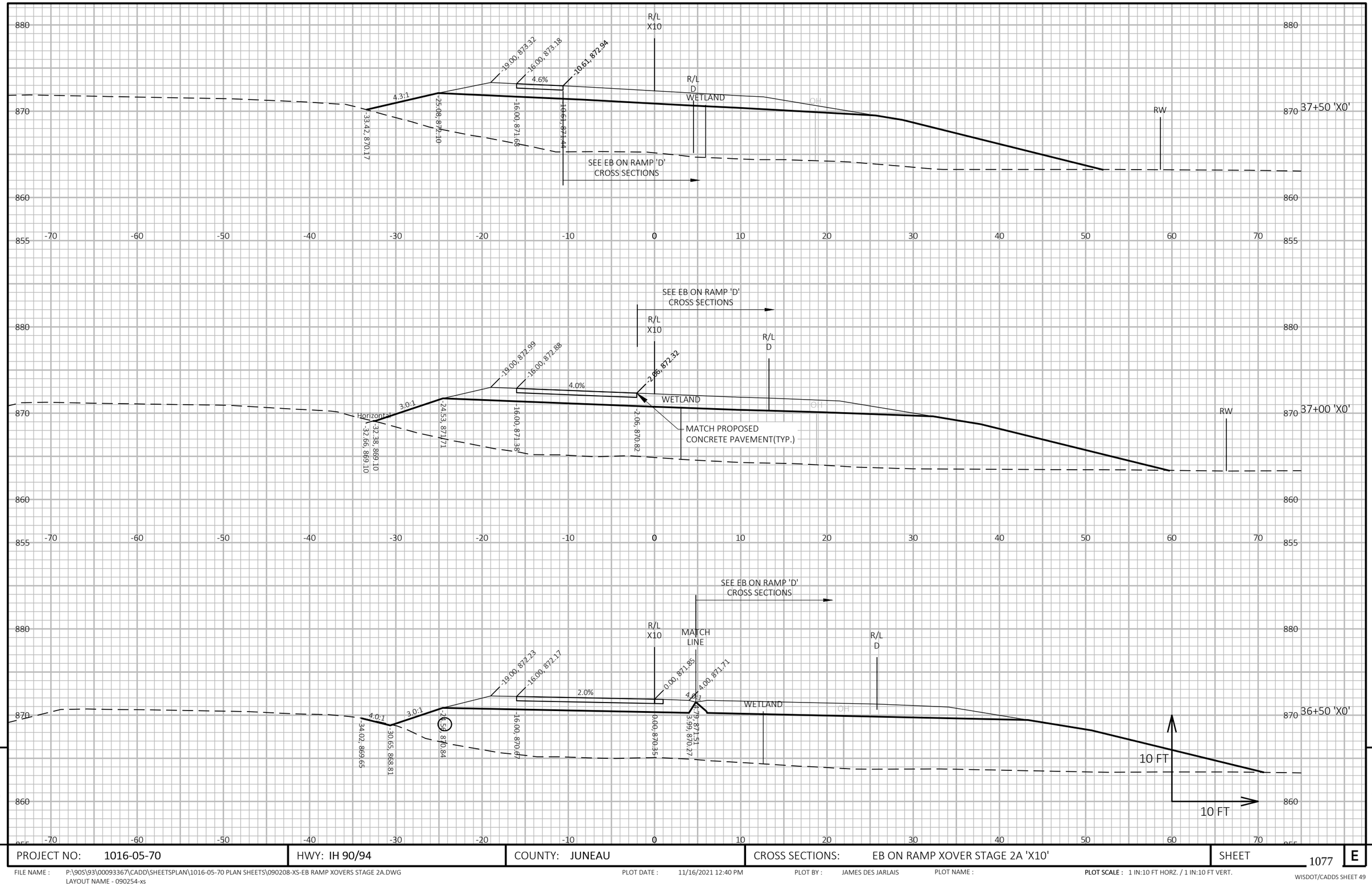
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP XOVER STAGE 2A 'X10'	SHEET 1076	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-EB RAMP XOVERS STAGE 2A.DWG
LAYOUT NAME - 090253-xs

PLOT DATE : 11/16/2021 12:40 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

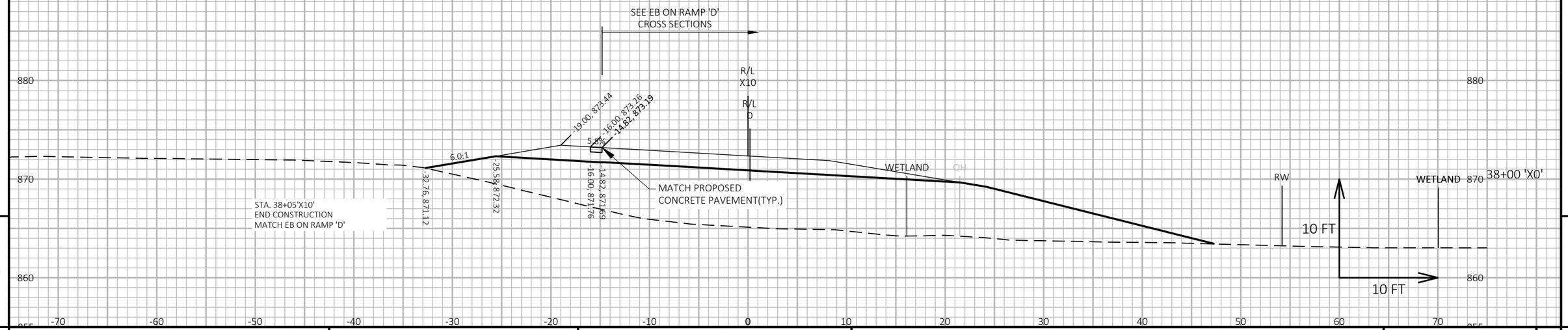


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP XOVER STAGE 2A 'X10'	SHEET 1077 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-EB RAMP XOVERS STAGE 2A.DWG
LAYOUT NAME - 090254-xs

PLOT DATE : 11/16/2021 12:40 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



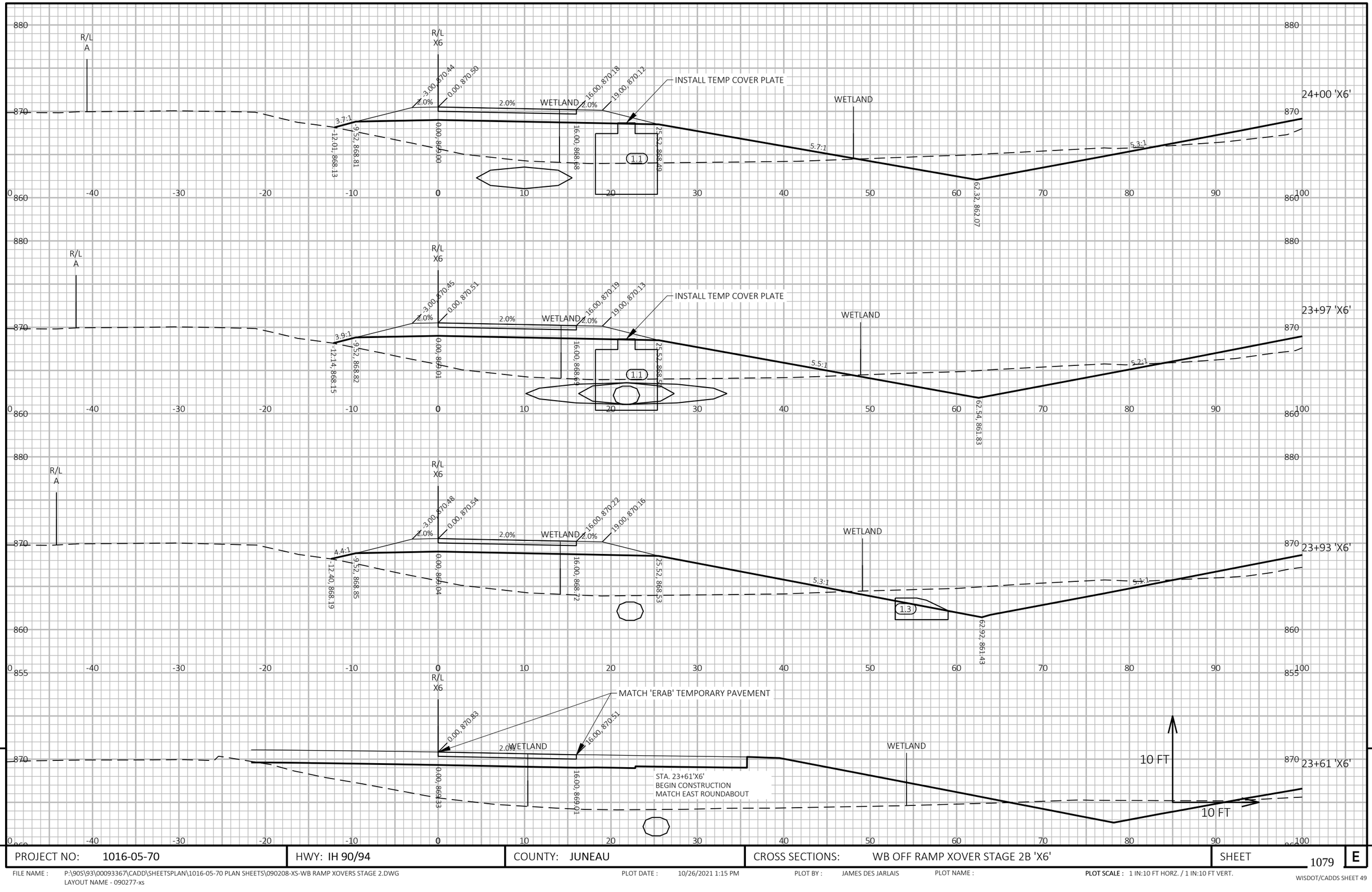
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB ON RAMP XOVER STAGE 2A 'X10'	SHEET 1078	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-EB RAMP XOVERS STAGE 2A.DWG
LAYOUT NAME - 090255-xs

PLOT DATE : 11/16/2021 12:40 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

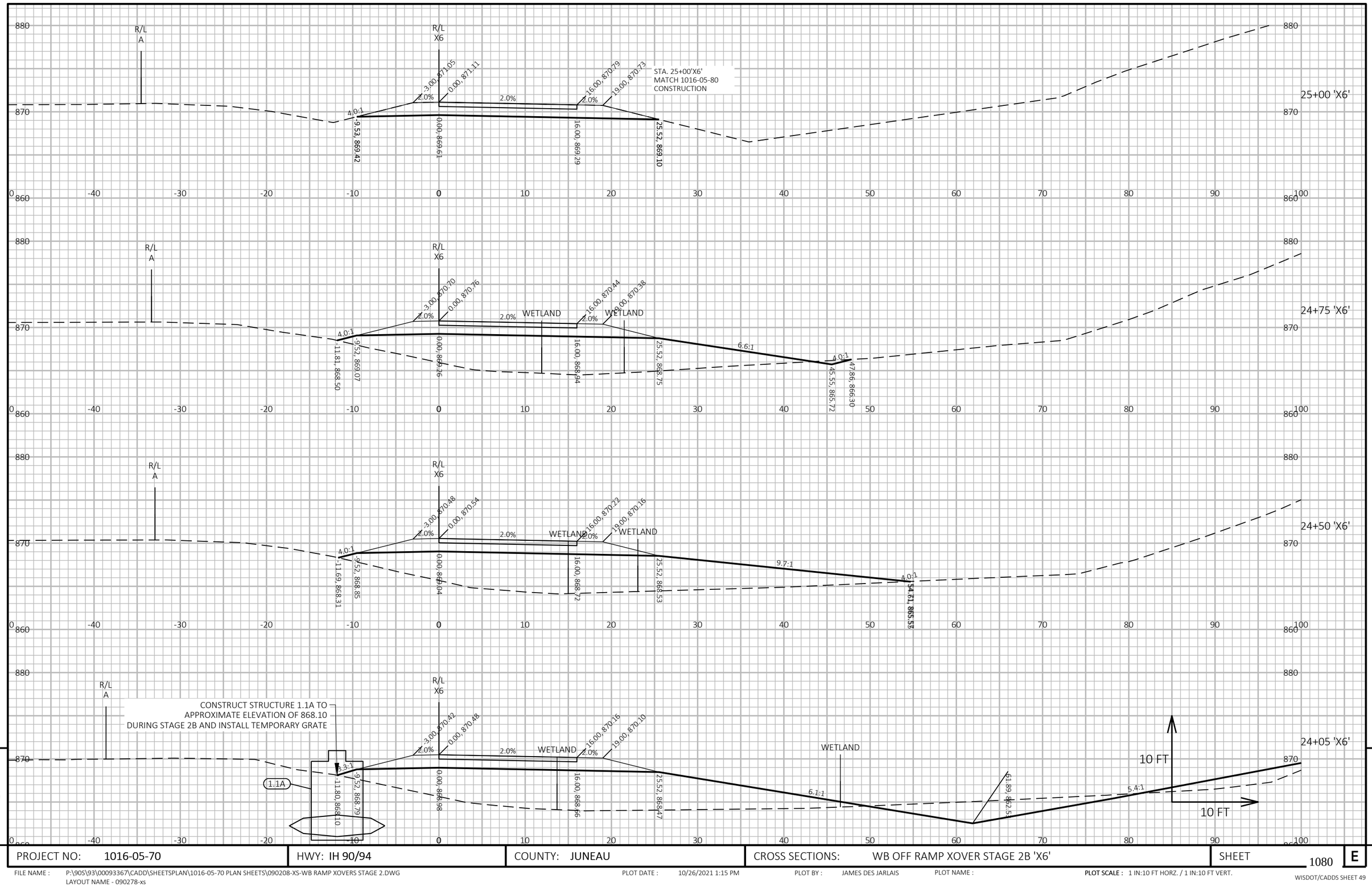


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP XOVER STAGE 2B 'X6'	SHEET 1079	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-WB RAMP XOVERS STAGE 2.DWG
LAYOUT NAME - 090277-xs

PLOT DATE : 10/26/2021 1:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

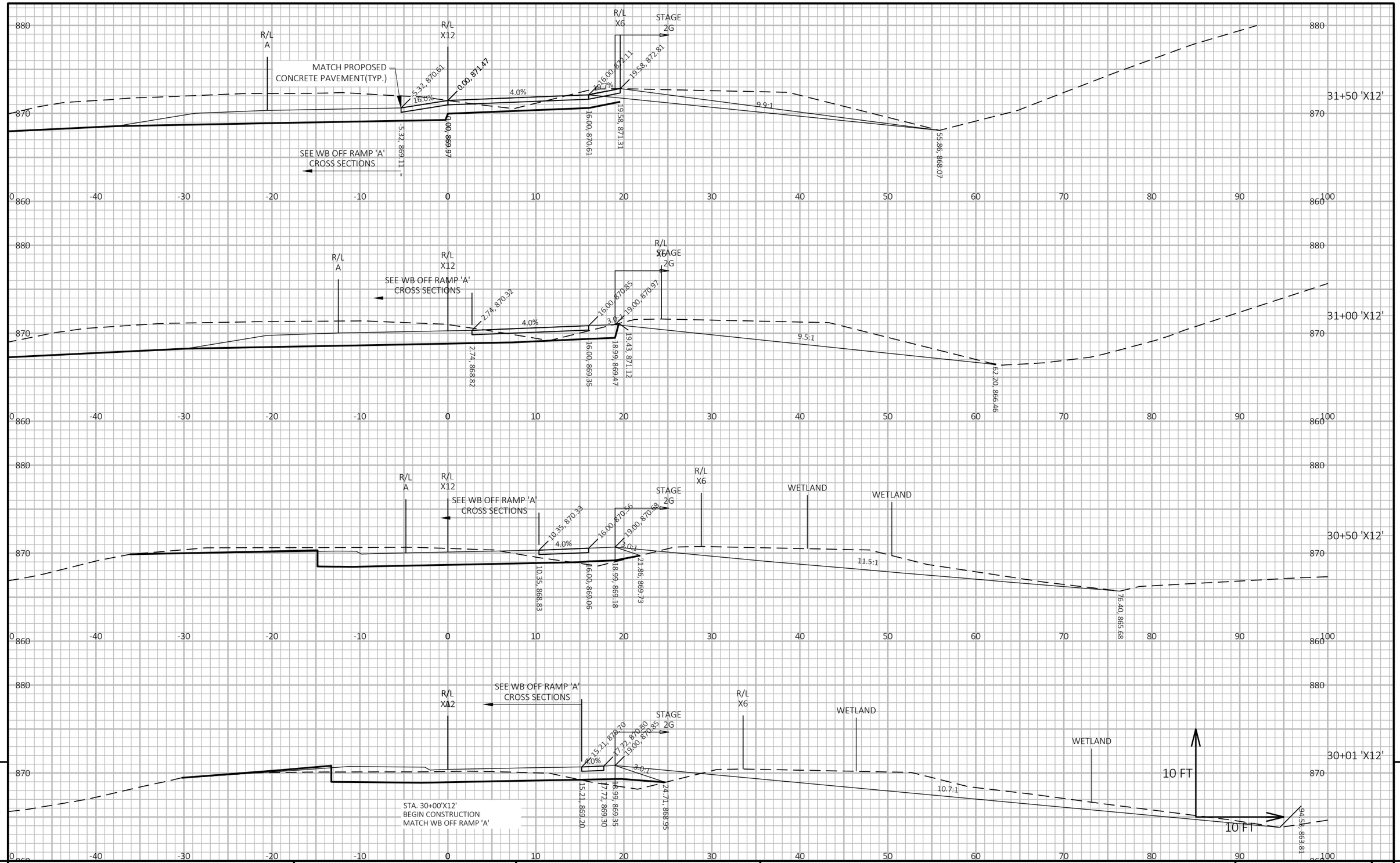


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP XOVER STAGE 2B 'X6'	SHEET 1080 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-WB RAMP XOVERS STAGE 2.DWG
LAYOUT NAME - 090278-xs

PLOT DATE : 10/26/2021 1:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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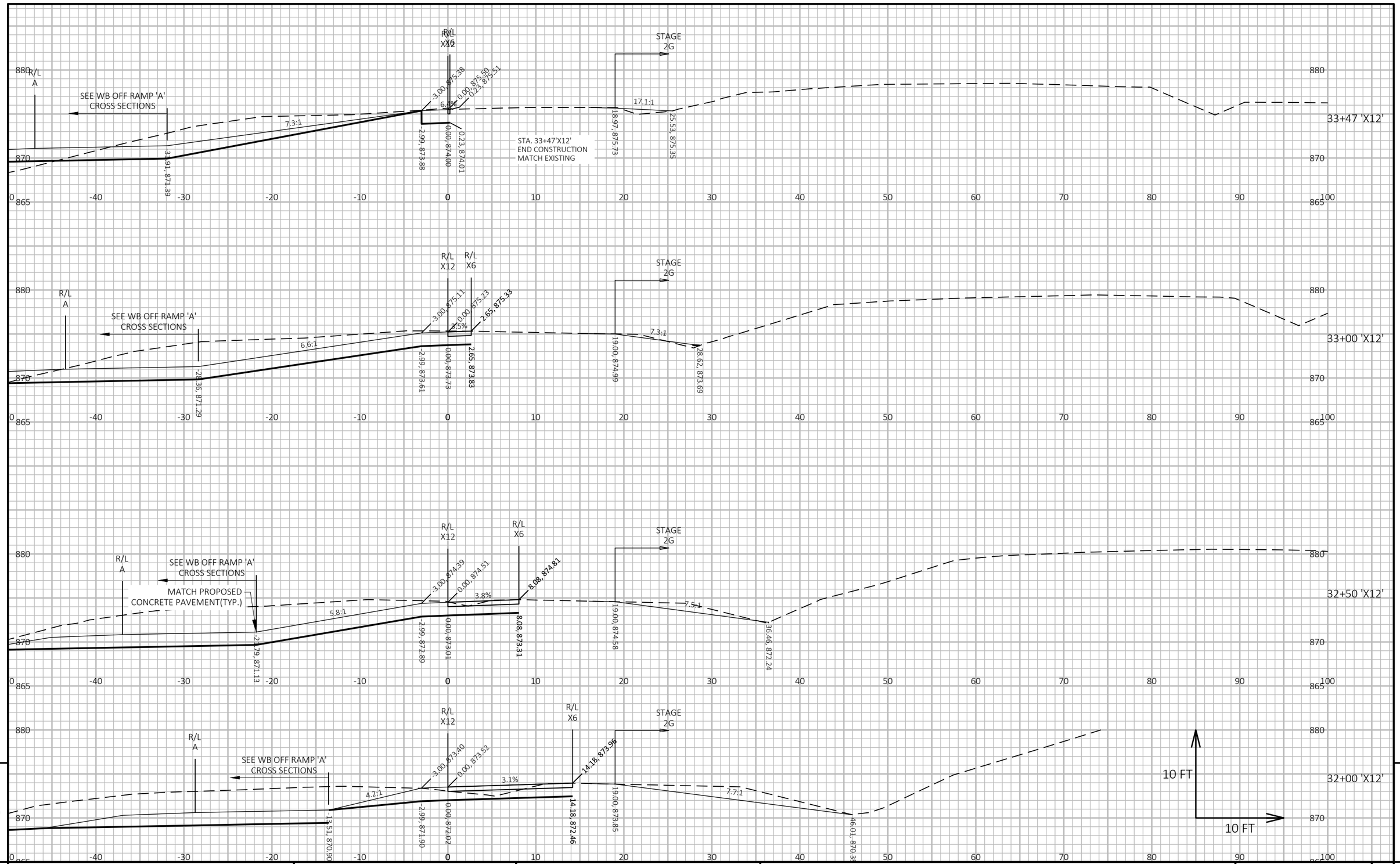
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP XOVER STAGE 2C 'X12'	SHEET 1081	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-WB RAMP XOVERS STAGE 2.DWG
LAYOUT NAME - 090279-xs

PLOT DATE : 10/26/2021 1:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

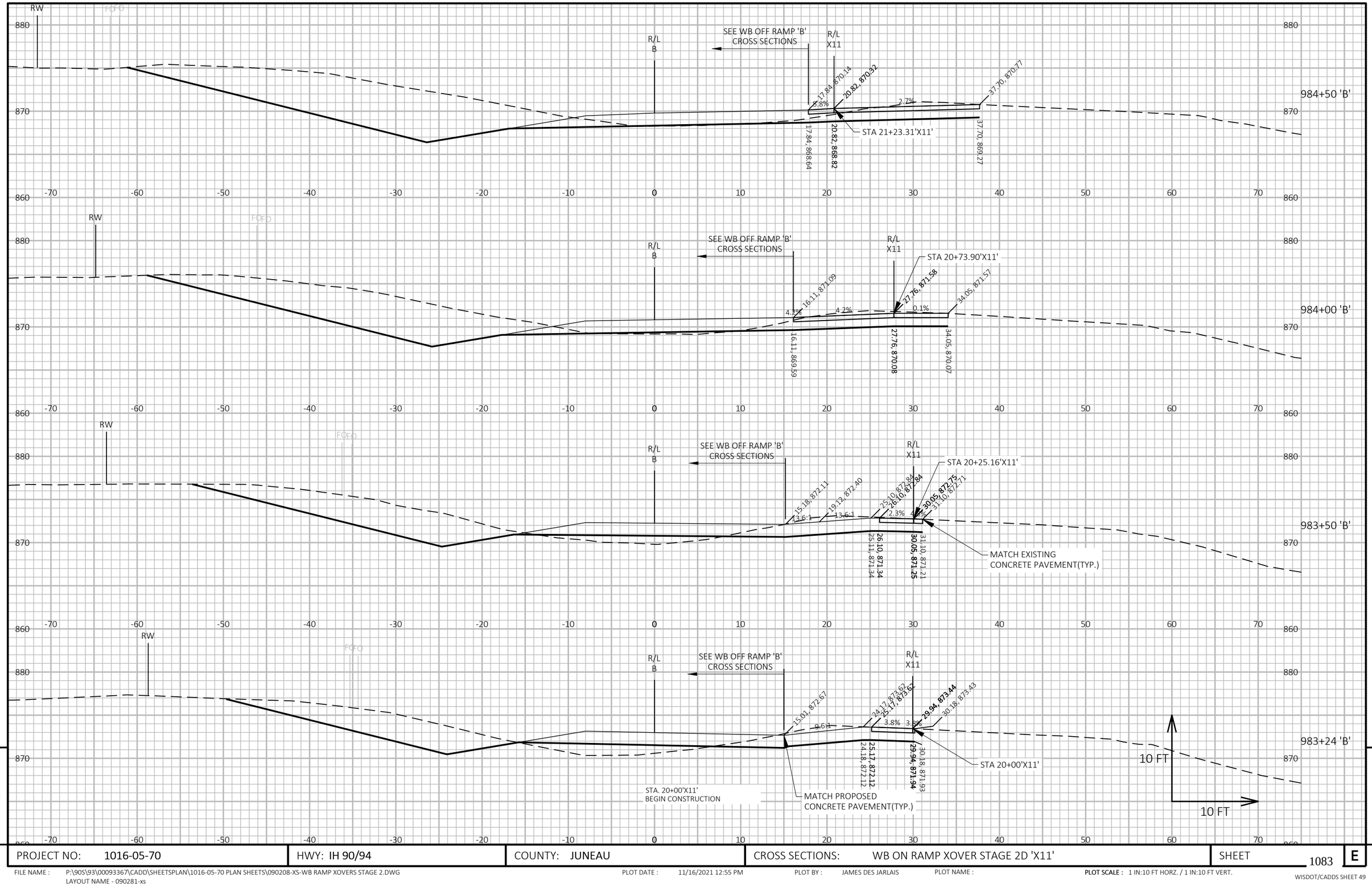


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP XOVER STAGE 2C 'X12'	SHEET 1082	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-WB RAMP XOVERS STAGE 2.DWG
LAYOUT NAME - 090280-xs

PLOT DATE : 10/26/2021 1:16 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

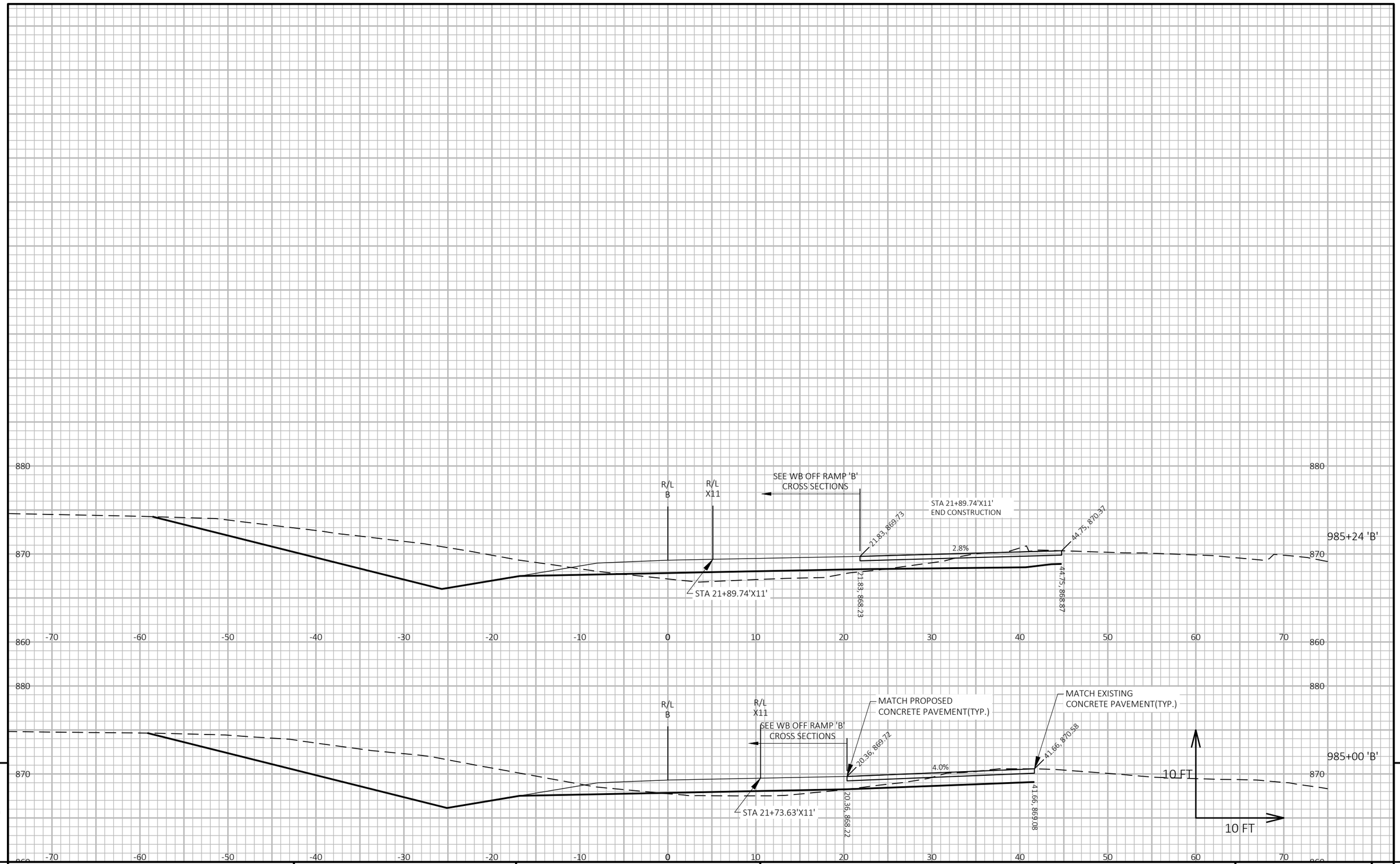
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP XOVER STAGE 2D 'X11'	SHEET 1083	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-WB RAMP XOVERS STAGE 2.DWG
LAYOUT NAME - 090281-xs

PLOT DATE : 11/16/2021 12:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



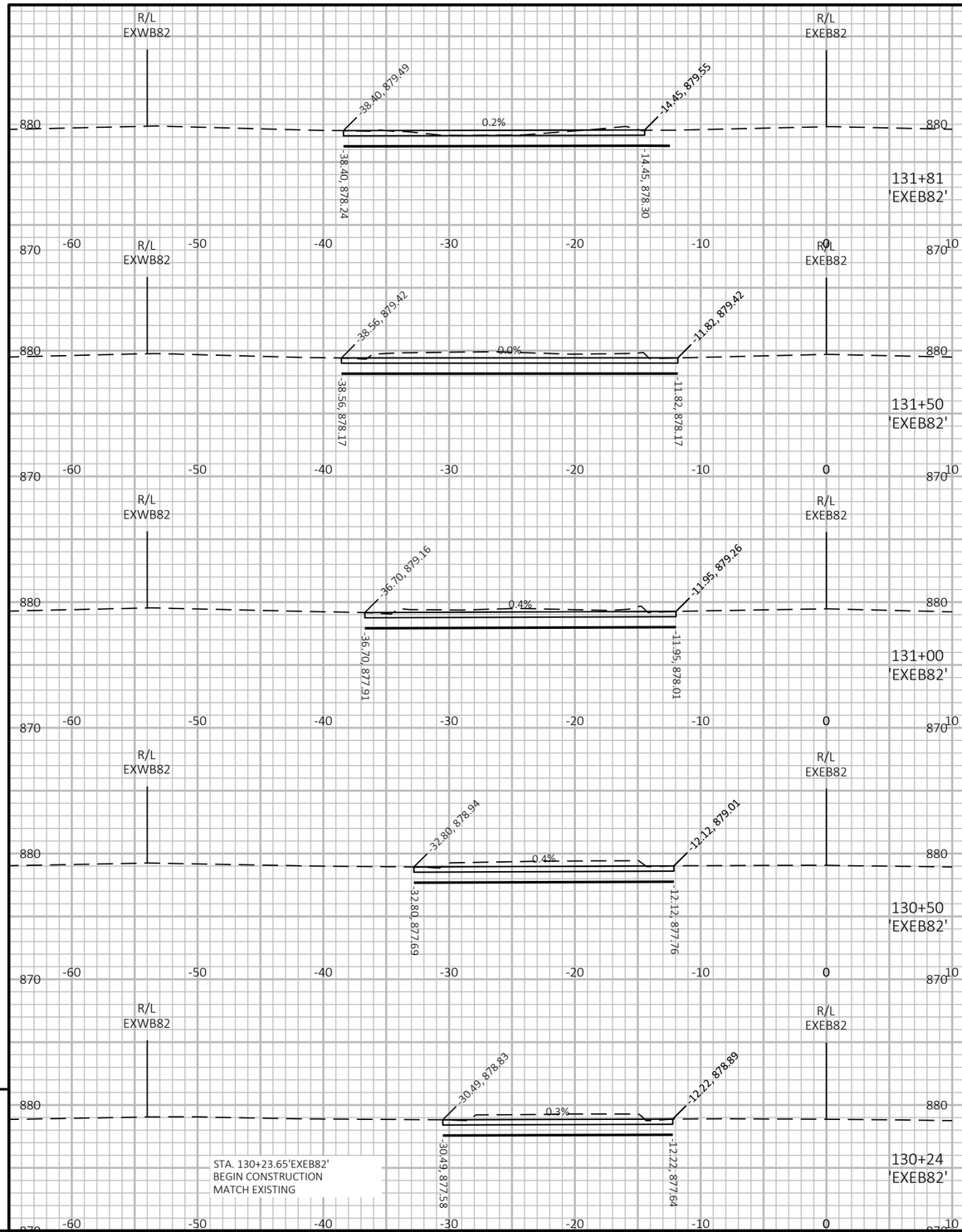
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP XOVER STAGE 2D 'X11'	SHEET 1084	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090208-XS-WB RAMP XOVERS STAGE 2.DWG
LAYOUT NAME - 090282-xs

PLOT DATE : 11/16/2021 12:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EX EB STH 82 TEMP - STAGE 2A 'EXEB82'	SHEET 1085	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090209-XS-EX STH 82 STAGE 2A.DWG
LAYOUT NAME - 090248-xs

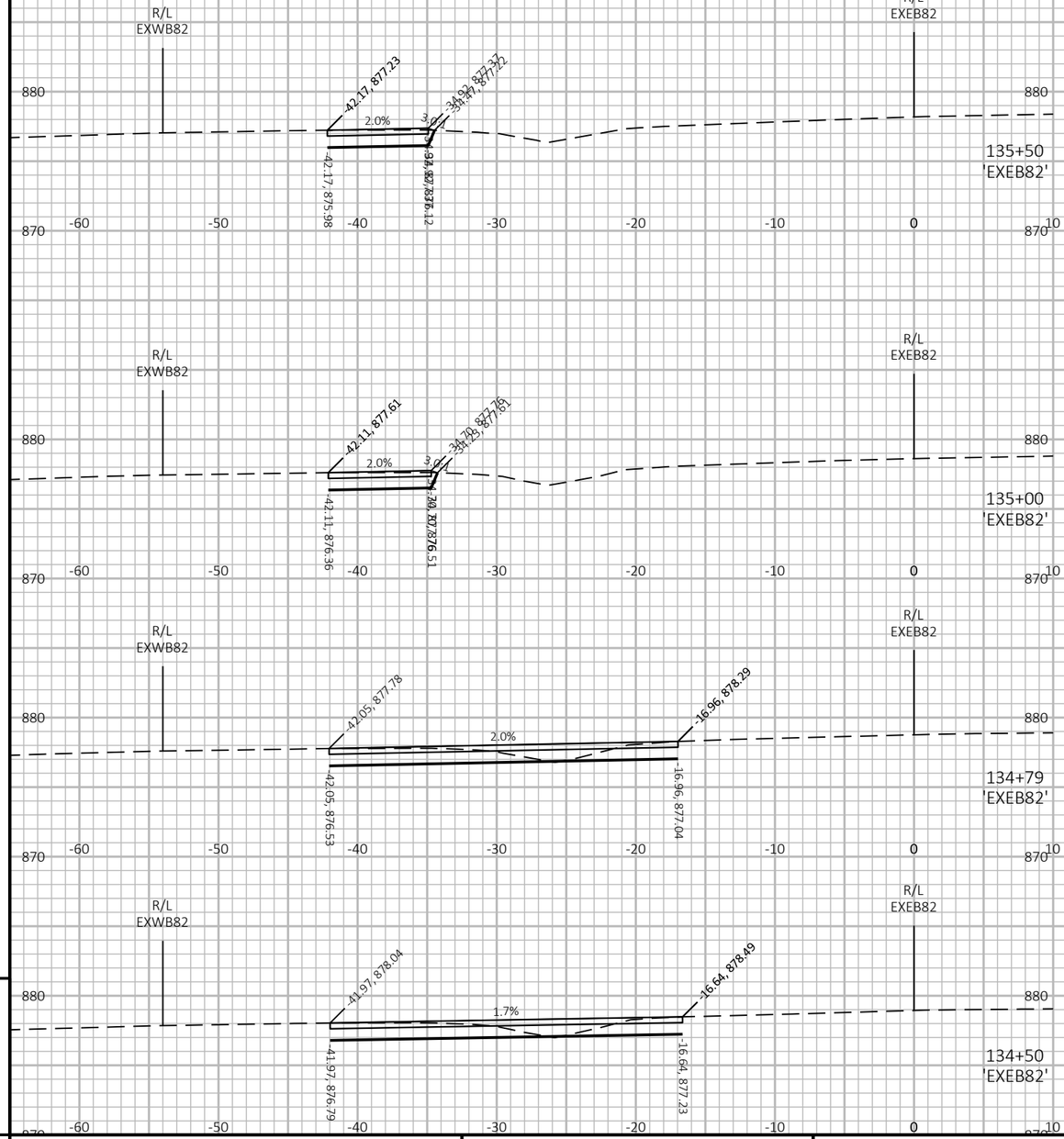
PLOT DATE : 11/16/2021 4:43 PM

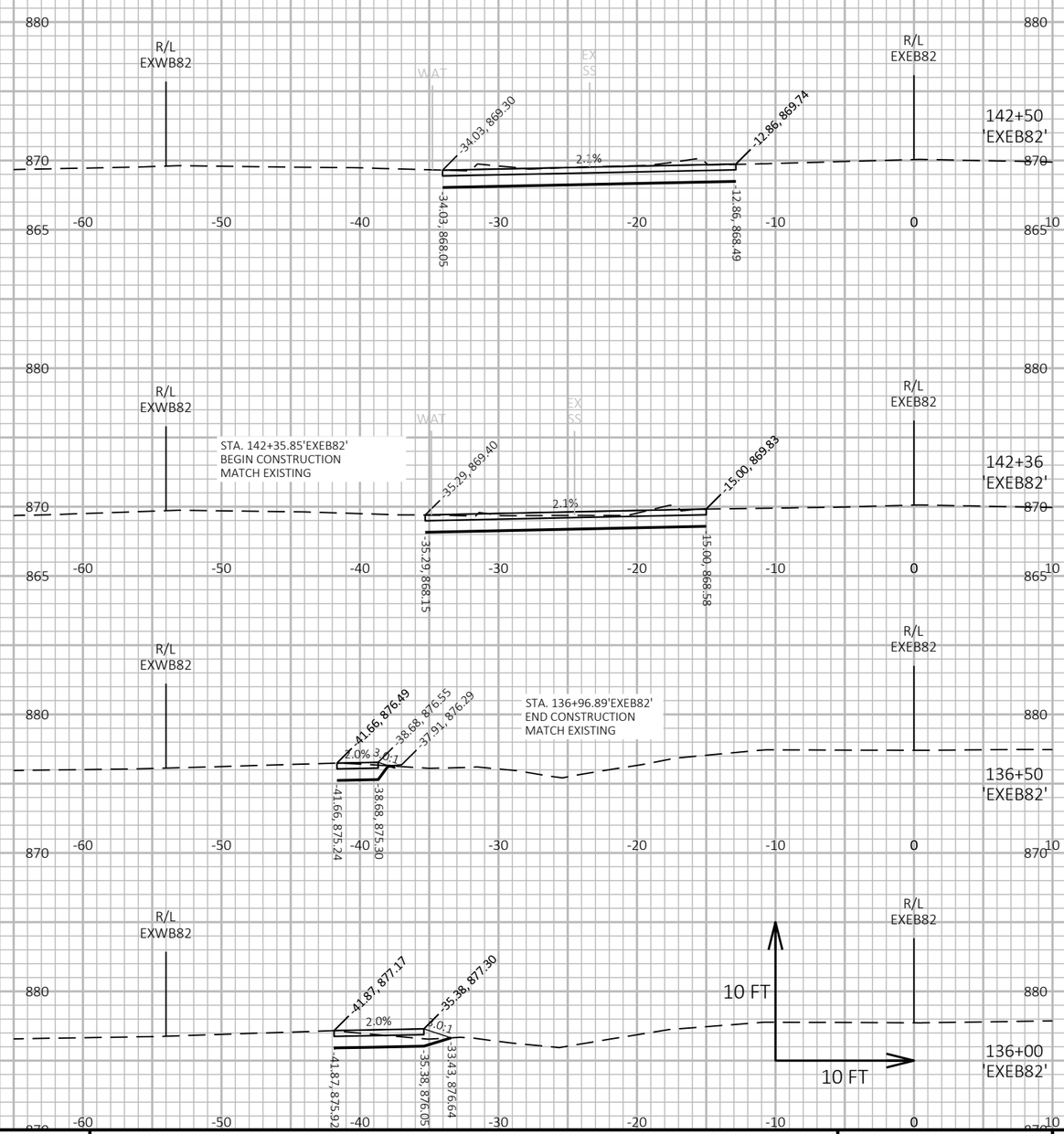
PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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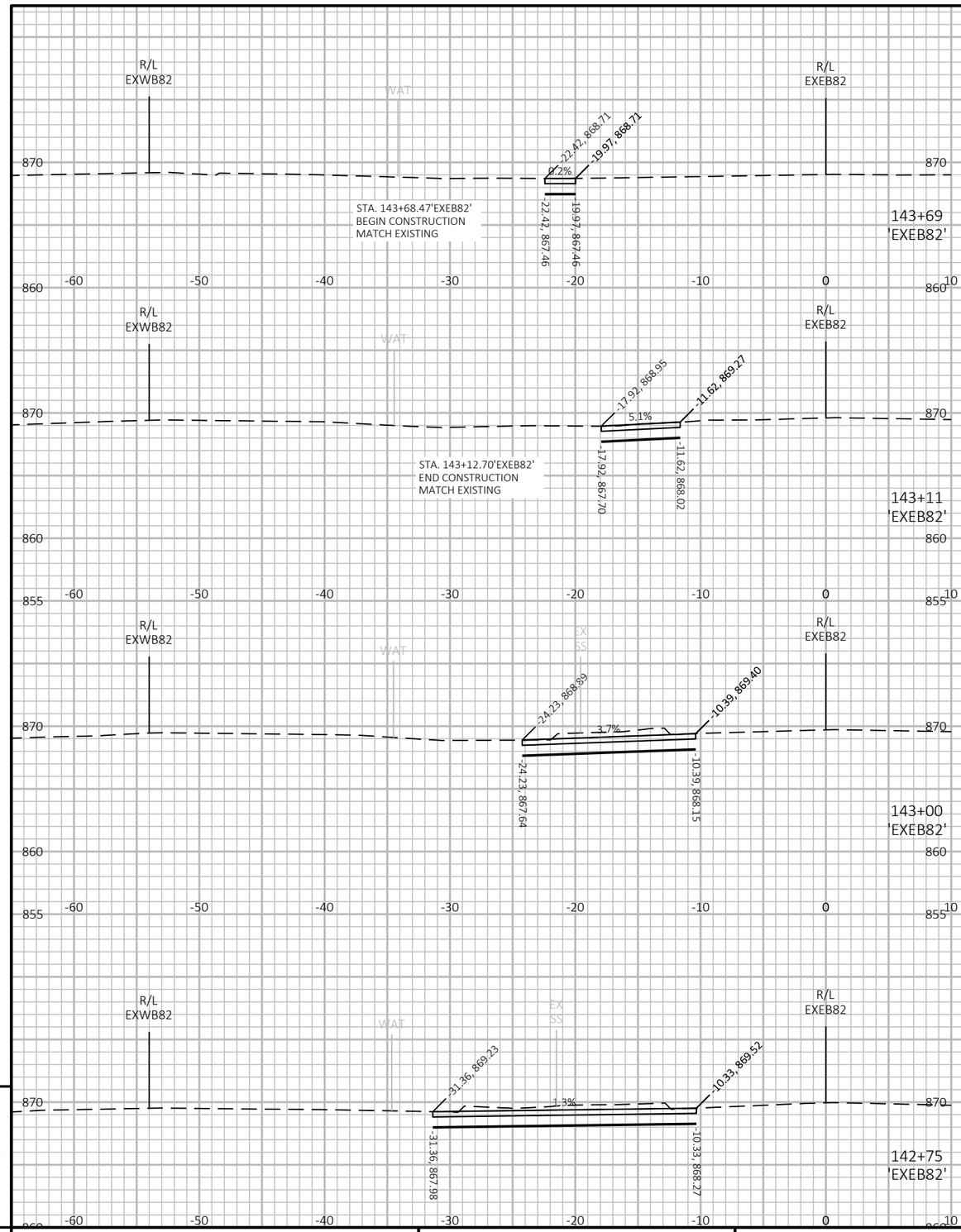
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EX EB STH 82 TEMP - STAGE 2A 'EXEB82'	SHEET 1086	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090209-XS-EX STH 82 STAGE 2A.DWG
LAYOUT NAME - 090249-xs

PLOT DATE : 11/16/2021 4:43 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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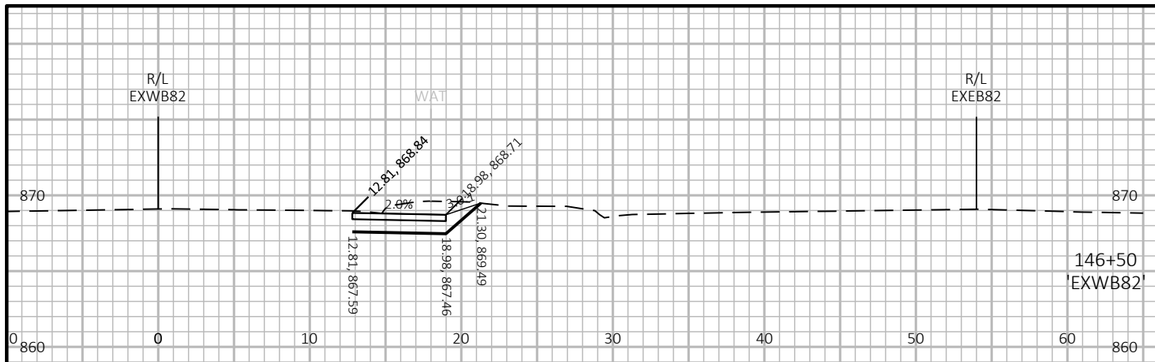
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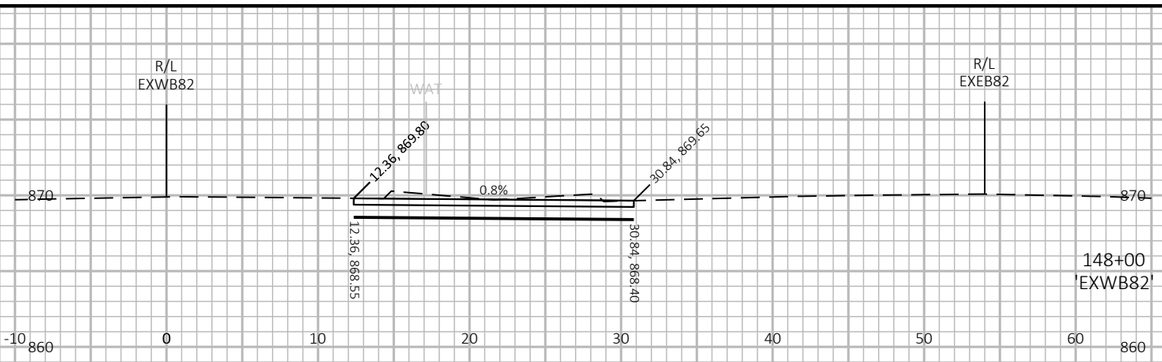
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EX EB STH 82 TEMP - STAGE 2A 'EXEB82'	SHEET 1087	E

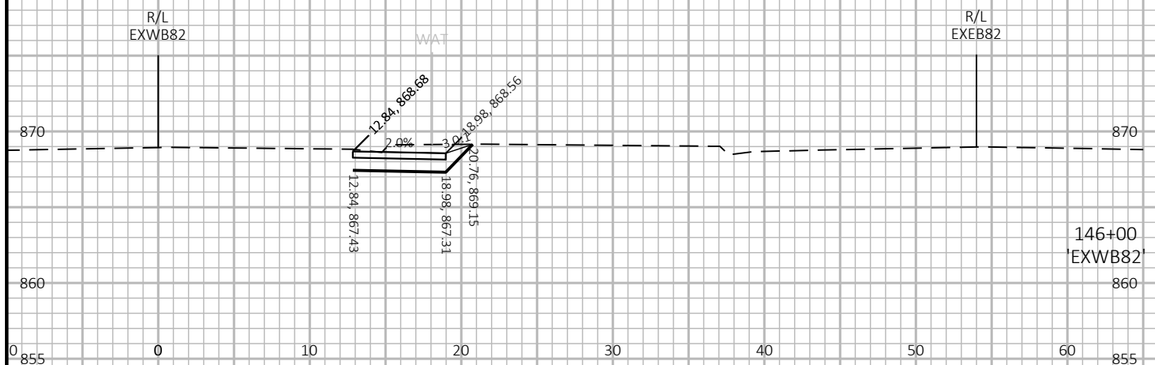
FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090209-XS-EX STH 82 STAGE 2A.DWG
LAYOUT NAME - 090250-xs

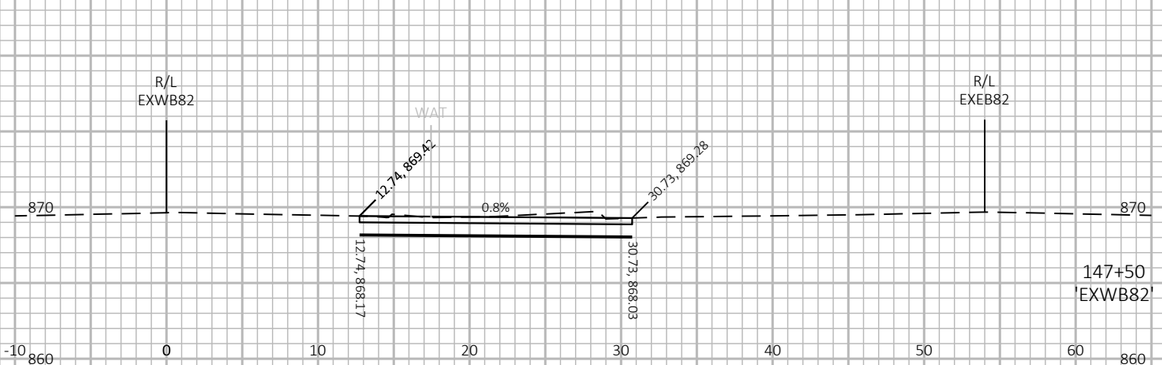
PLOT DATE : 10/28/2021 8:35 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

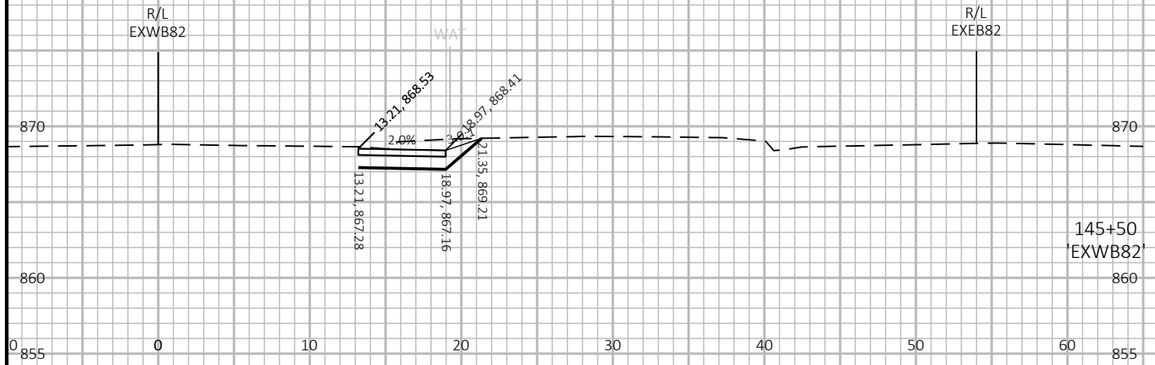
WISDOT/CADDS SHEET 49

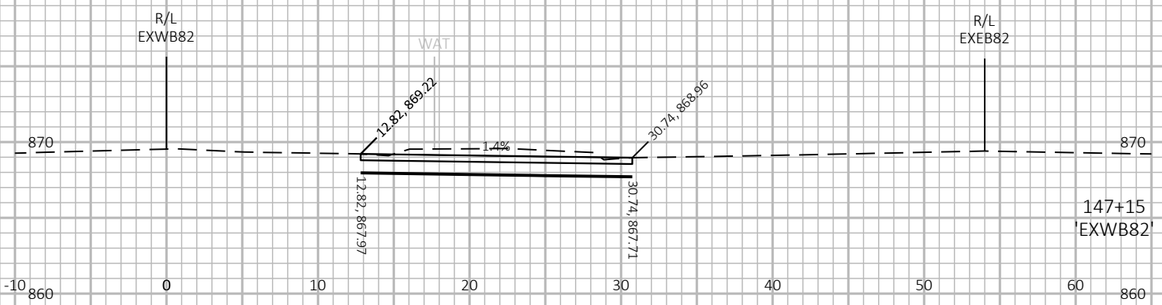


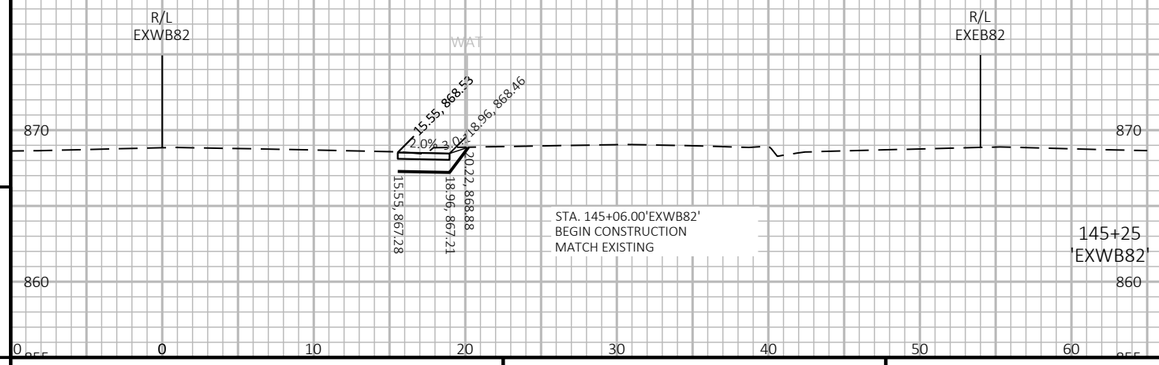


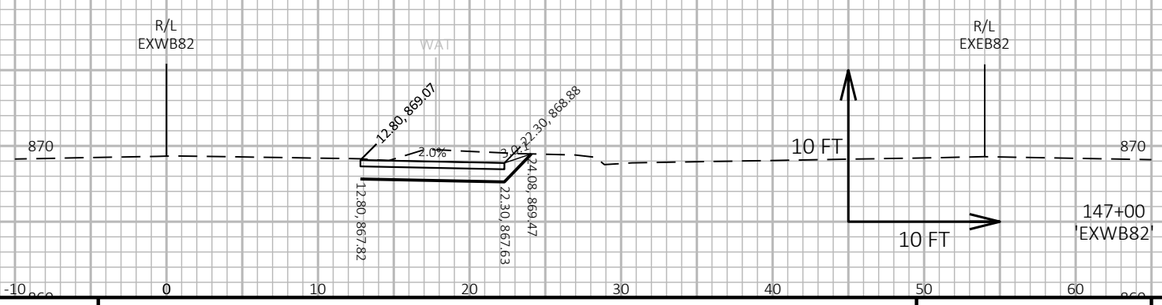












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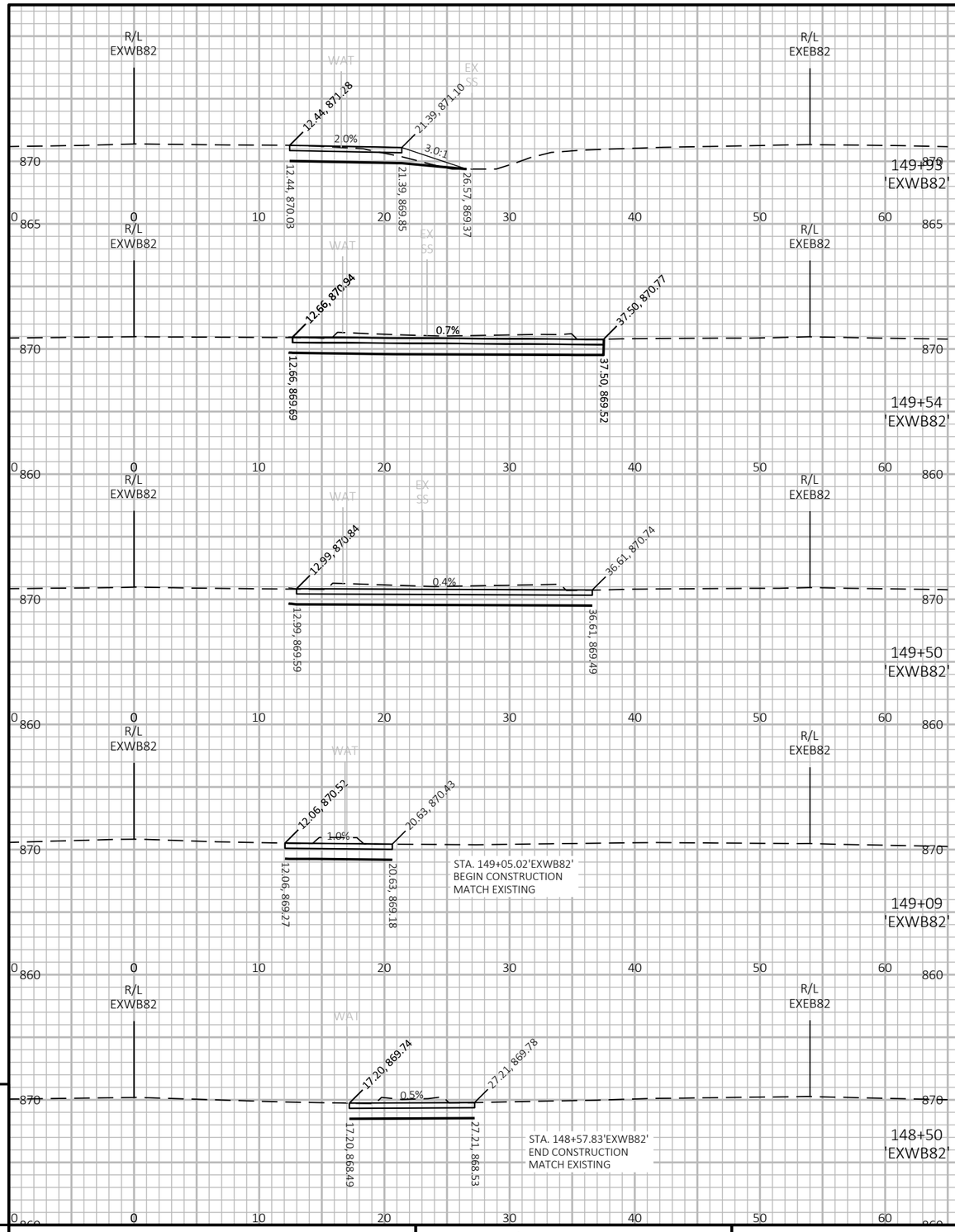
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EX WB STH 82 TEMP - STAGE 2A 'EXWB82'	SHEET 1088	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090209-XS-EX STH 82 STAGE 2A.DWG
LAYOUT NAME - 090252-xs

PLOT DATE : 11/16/2021 4:44 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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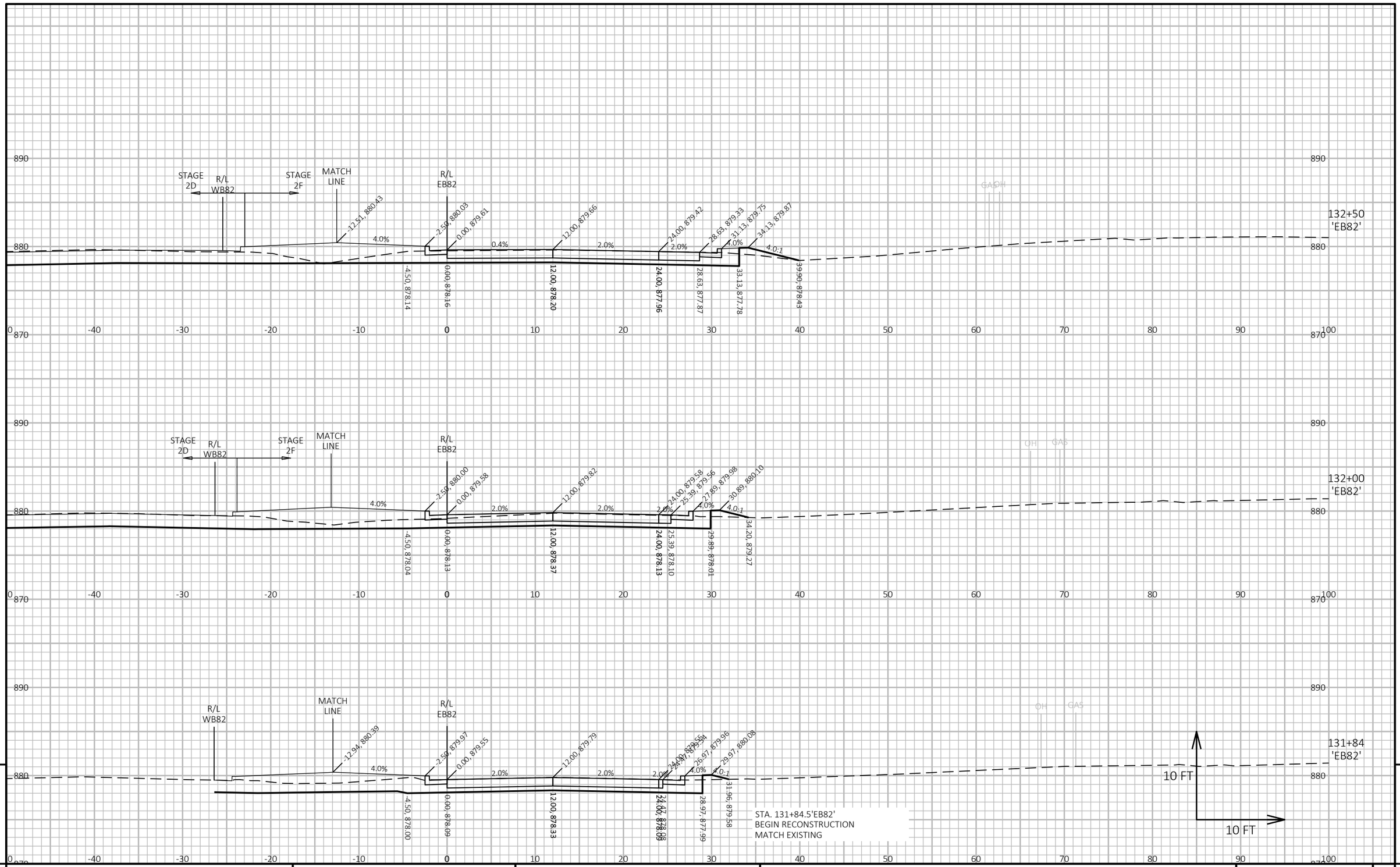
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EX WB STH 82 TEMP - STAGE 2A 'EXWB82'	SHEET 1089	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090209-XS-EX STH 82 STAGE 2A.DWG
LAYOUT NAME - 090253-xs

PLOT DATE : 10/28/2021 8:36 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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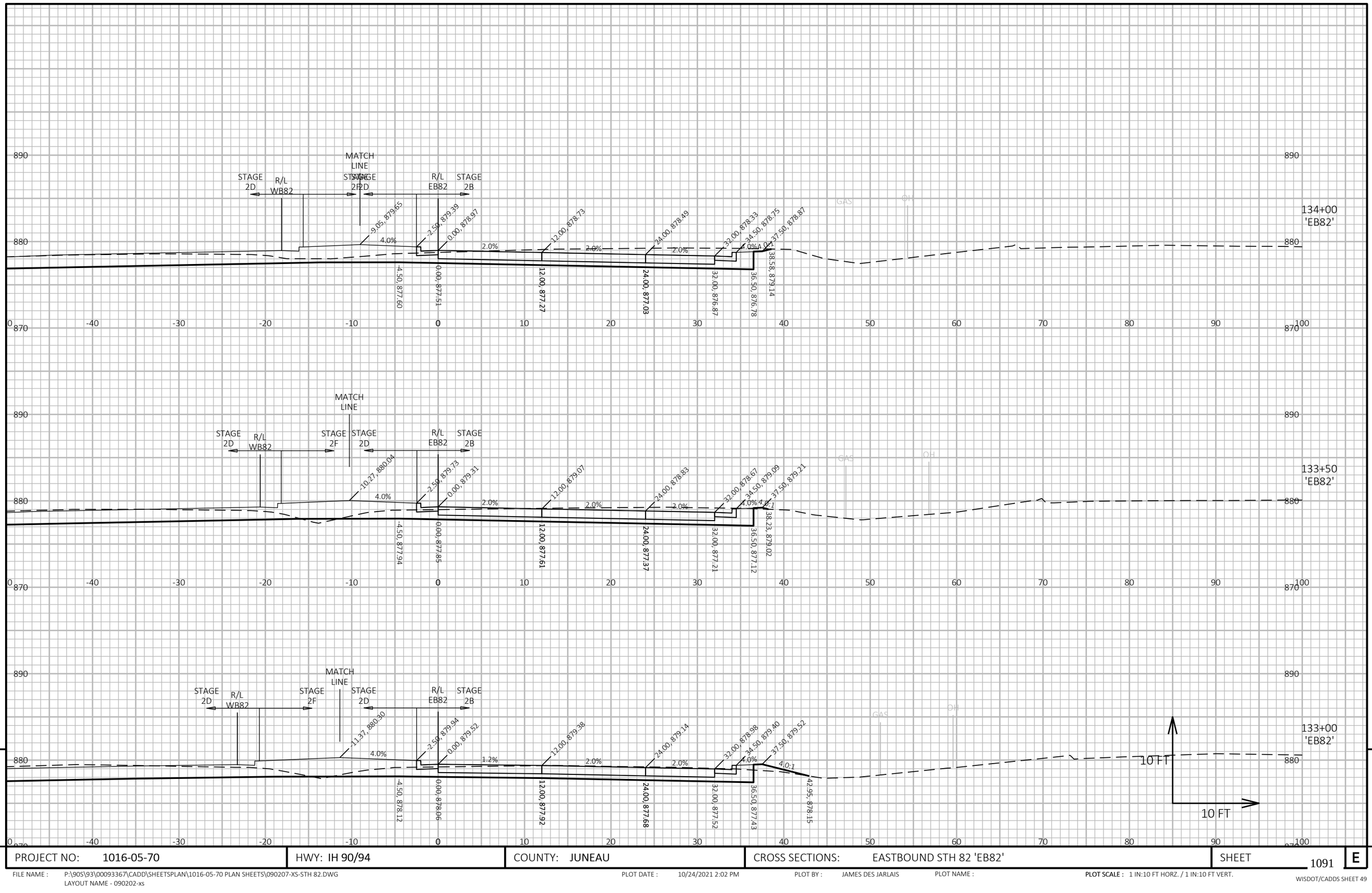
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1090	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 10/24/2021 2:01 PM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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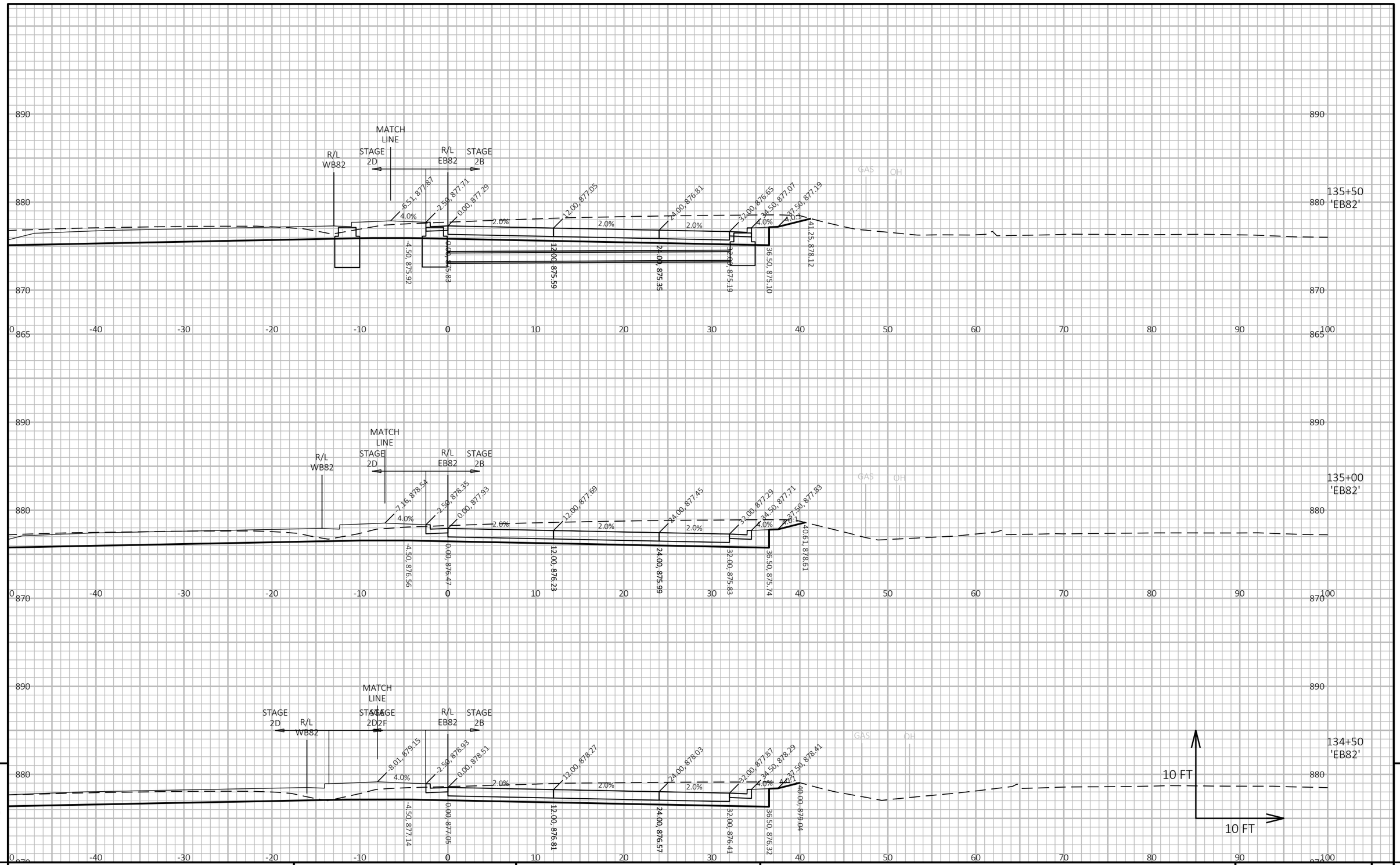
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1091	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 10/24/2021 2:02 PM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



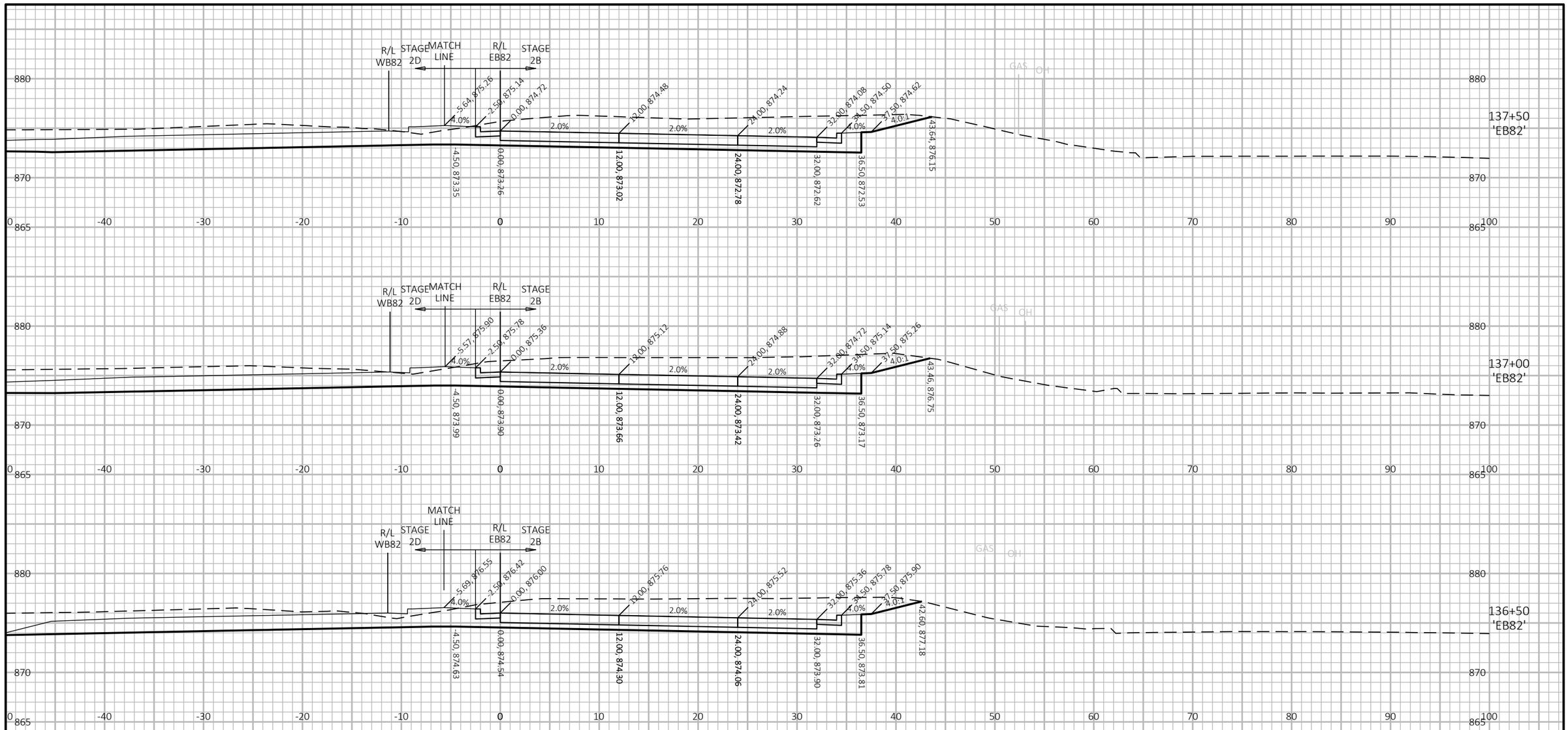
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1092	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 10/24/2021 2:02 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

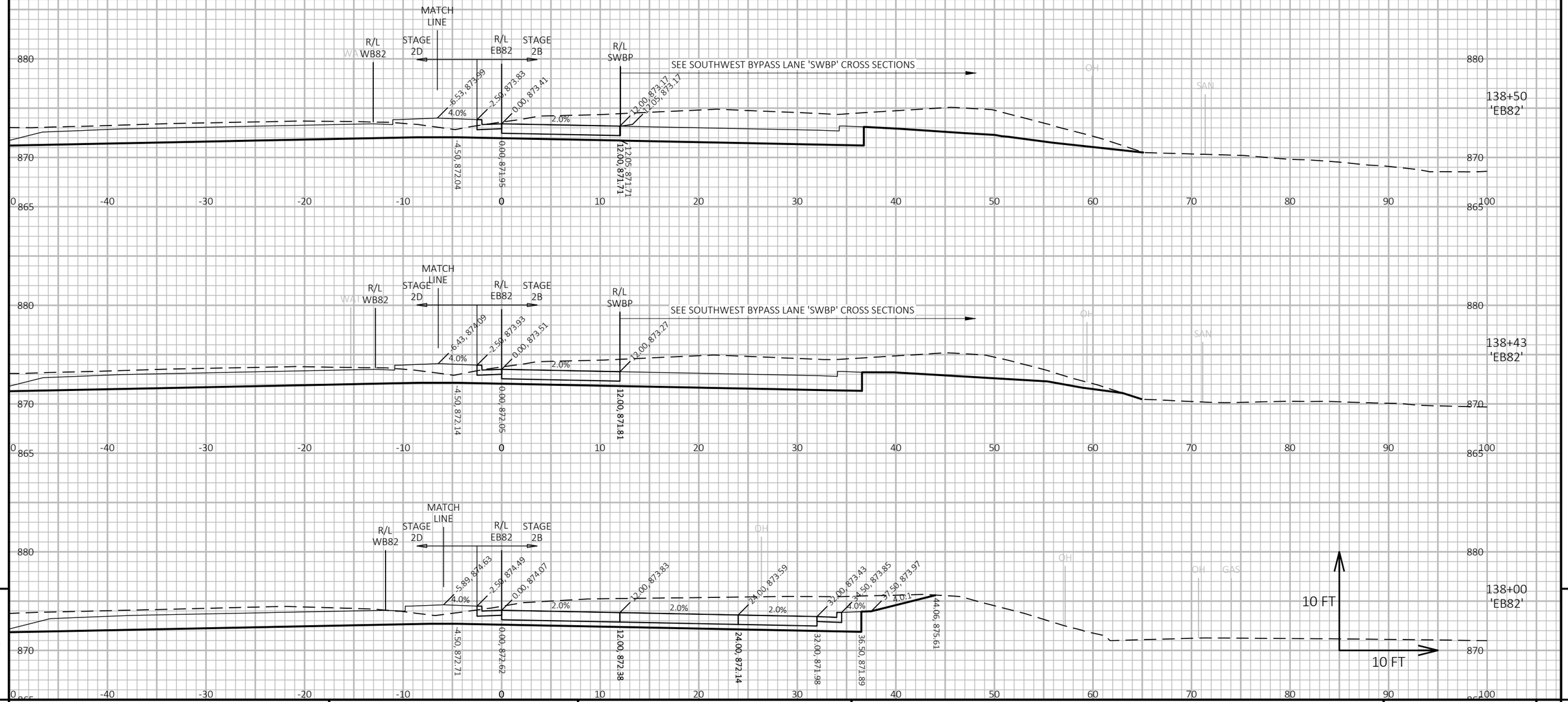
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1093	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 10/24/2021 2:02 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

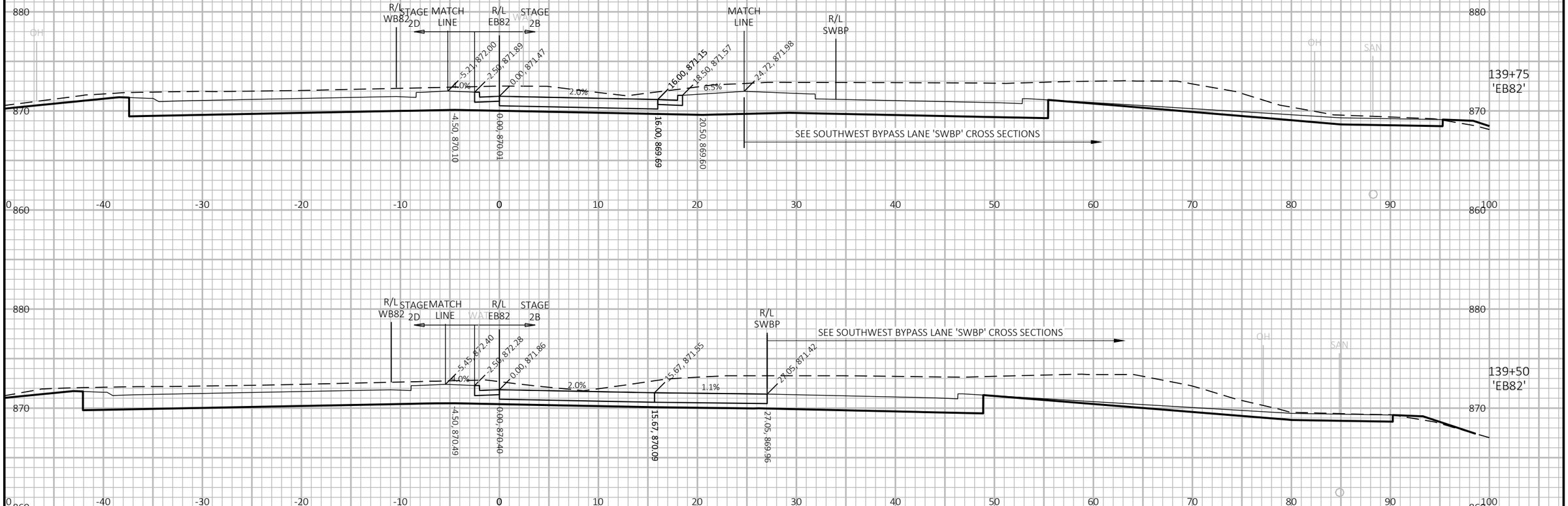


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1094	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 10/24/2021 2:03 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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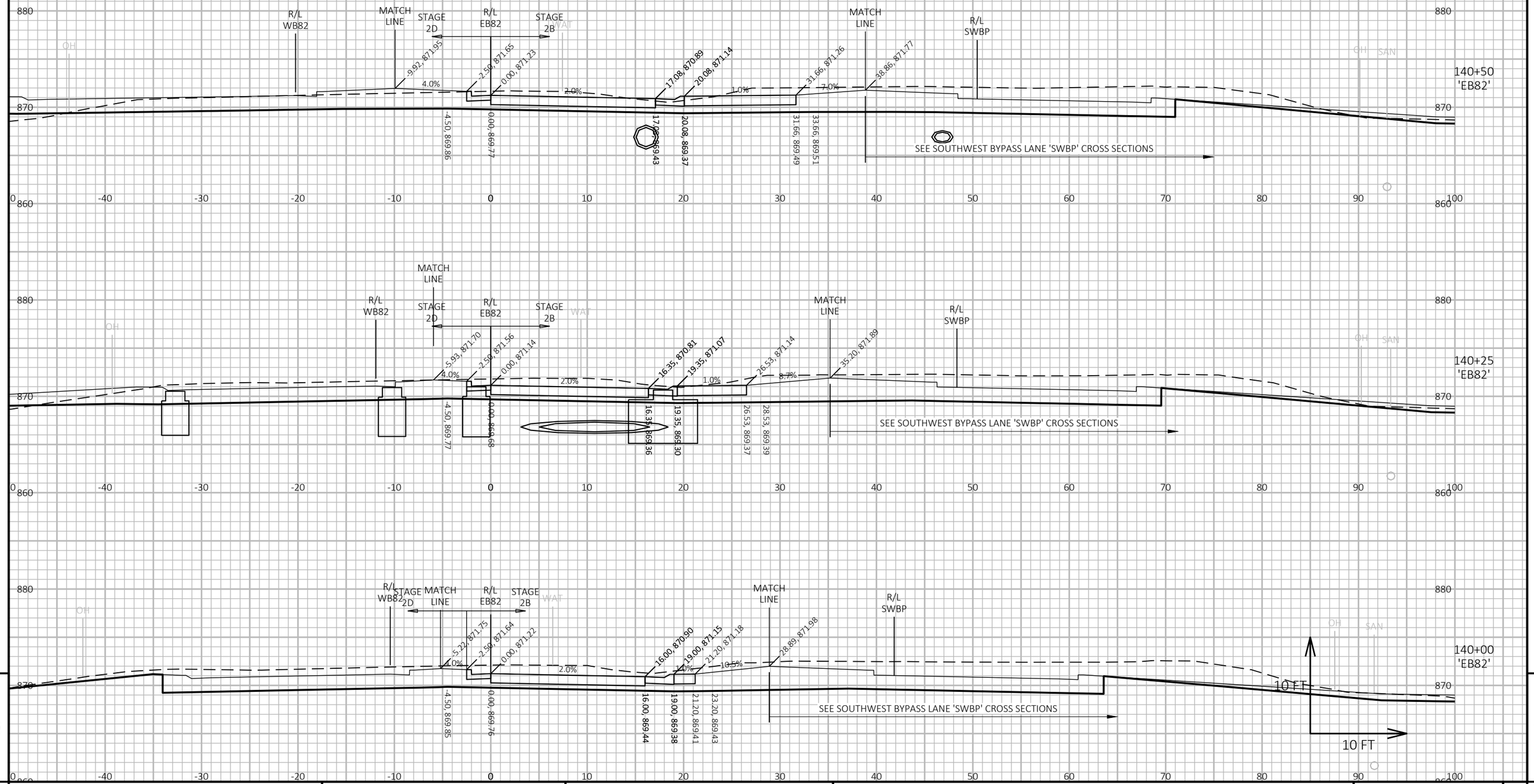
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1095	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 11/15/2021 1:35 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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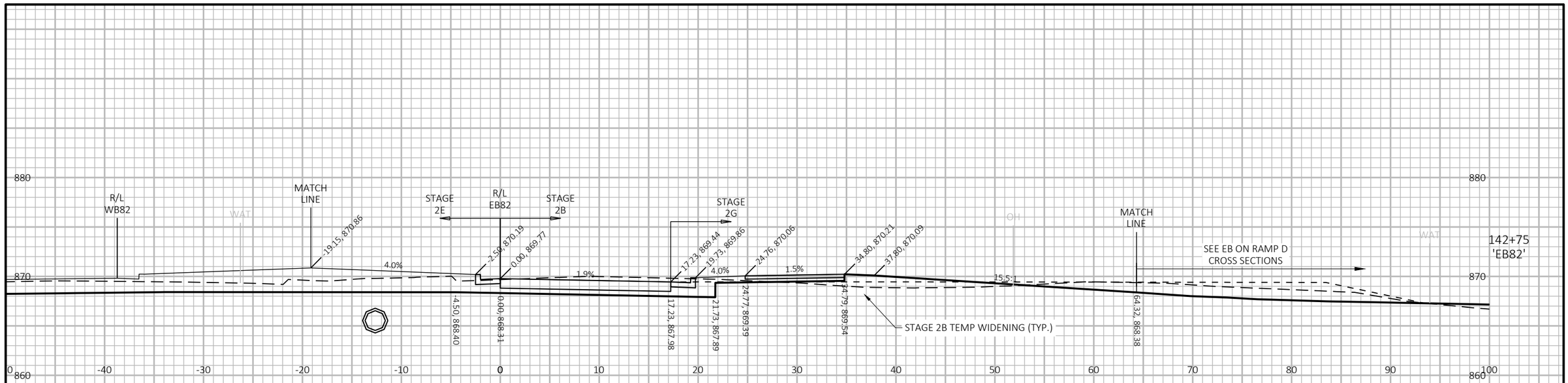
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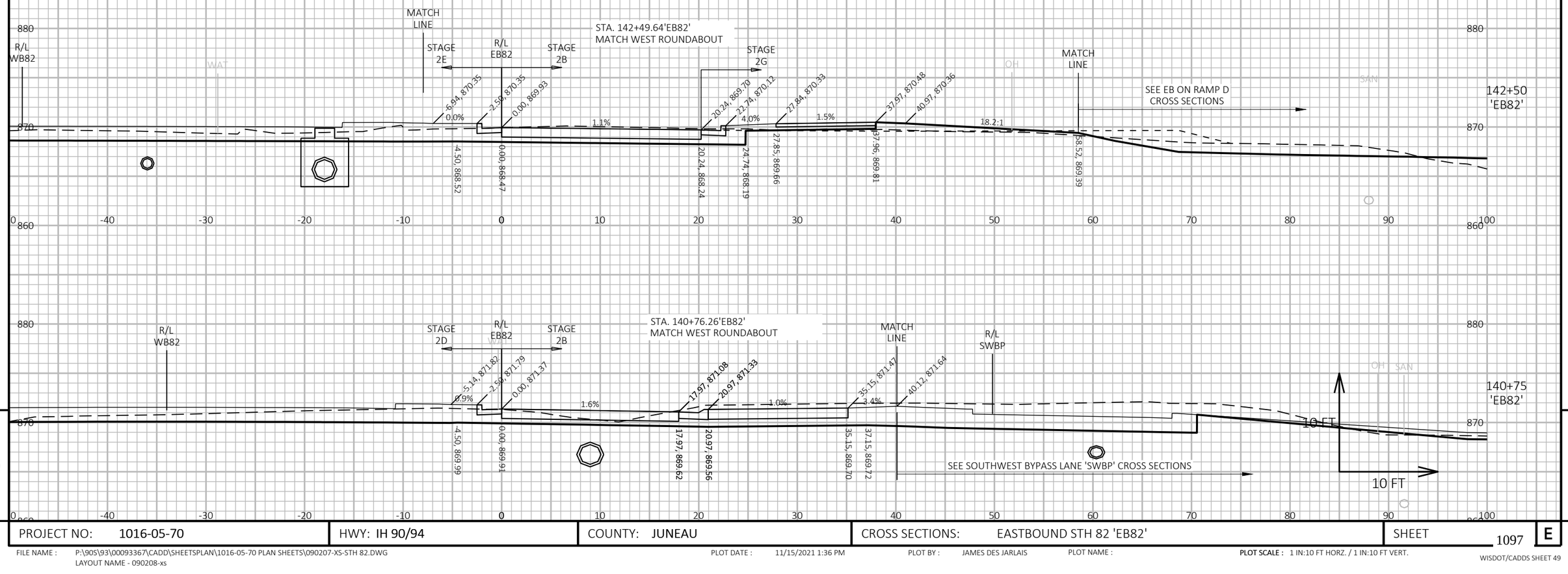
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1096	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 11/15/2021 1:36 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





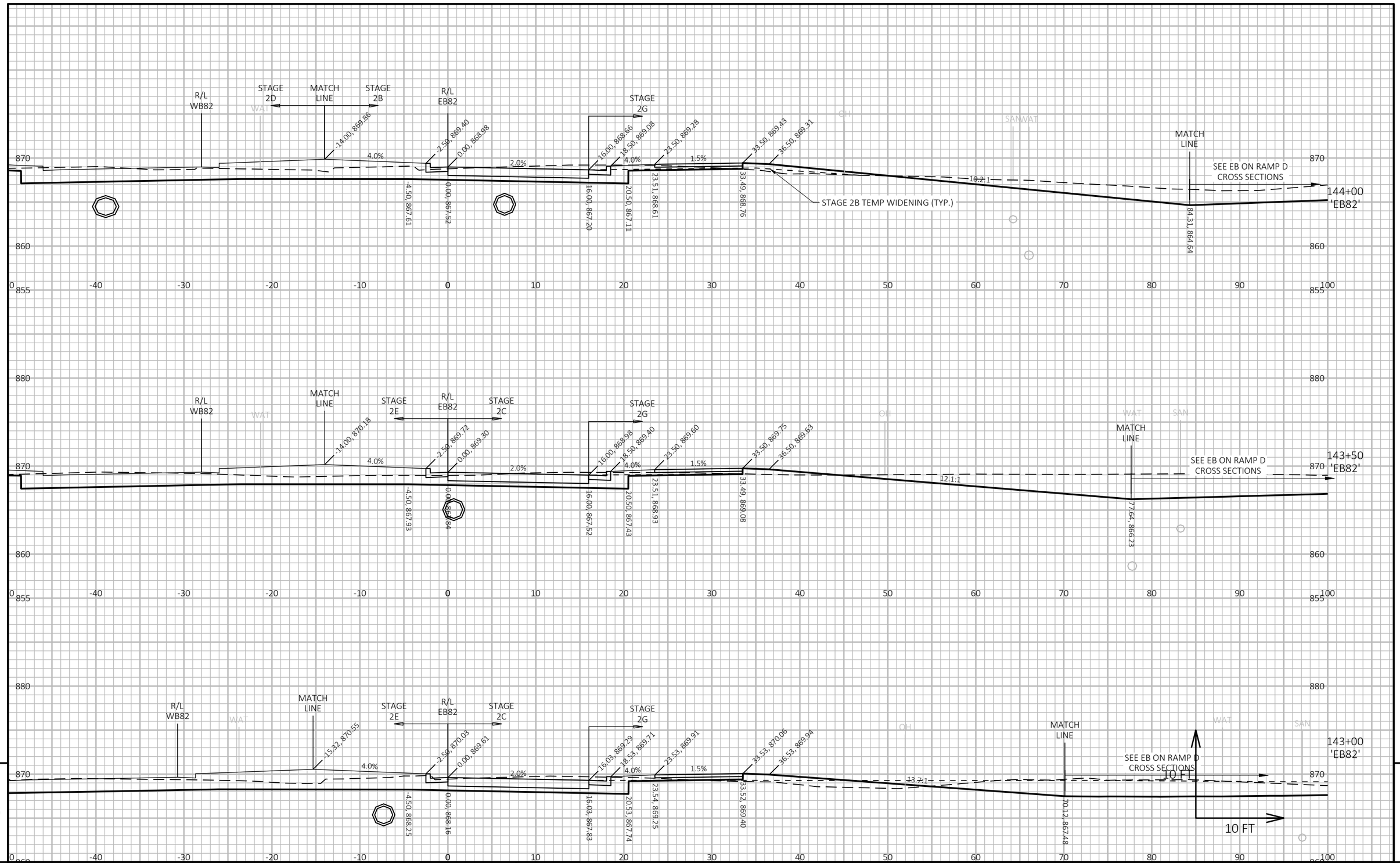
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1097	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 11/15/2021 1:36 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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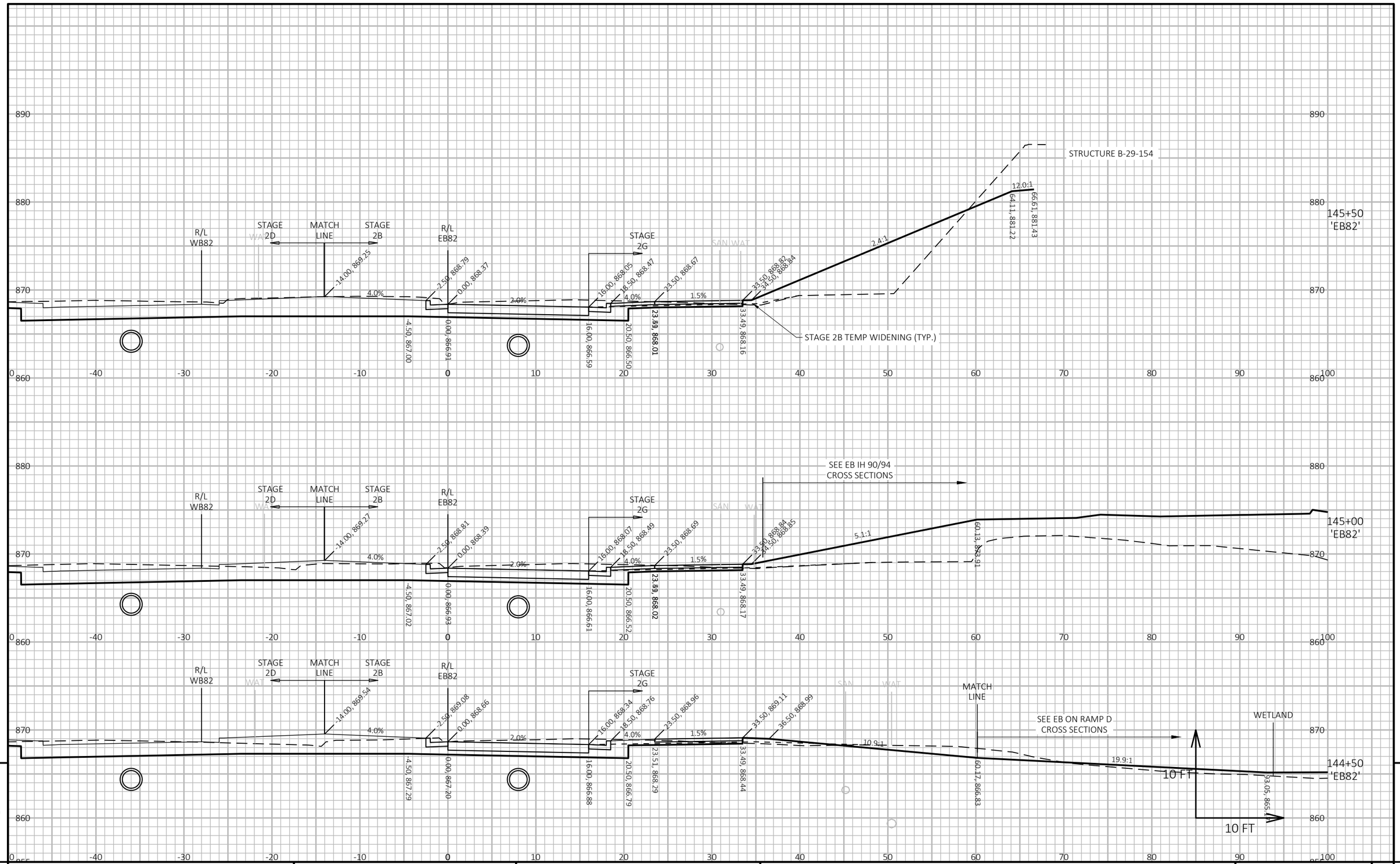
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1098	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 10/24/2021 2:04 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

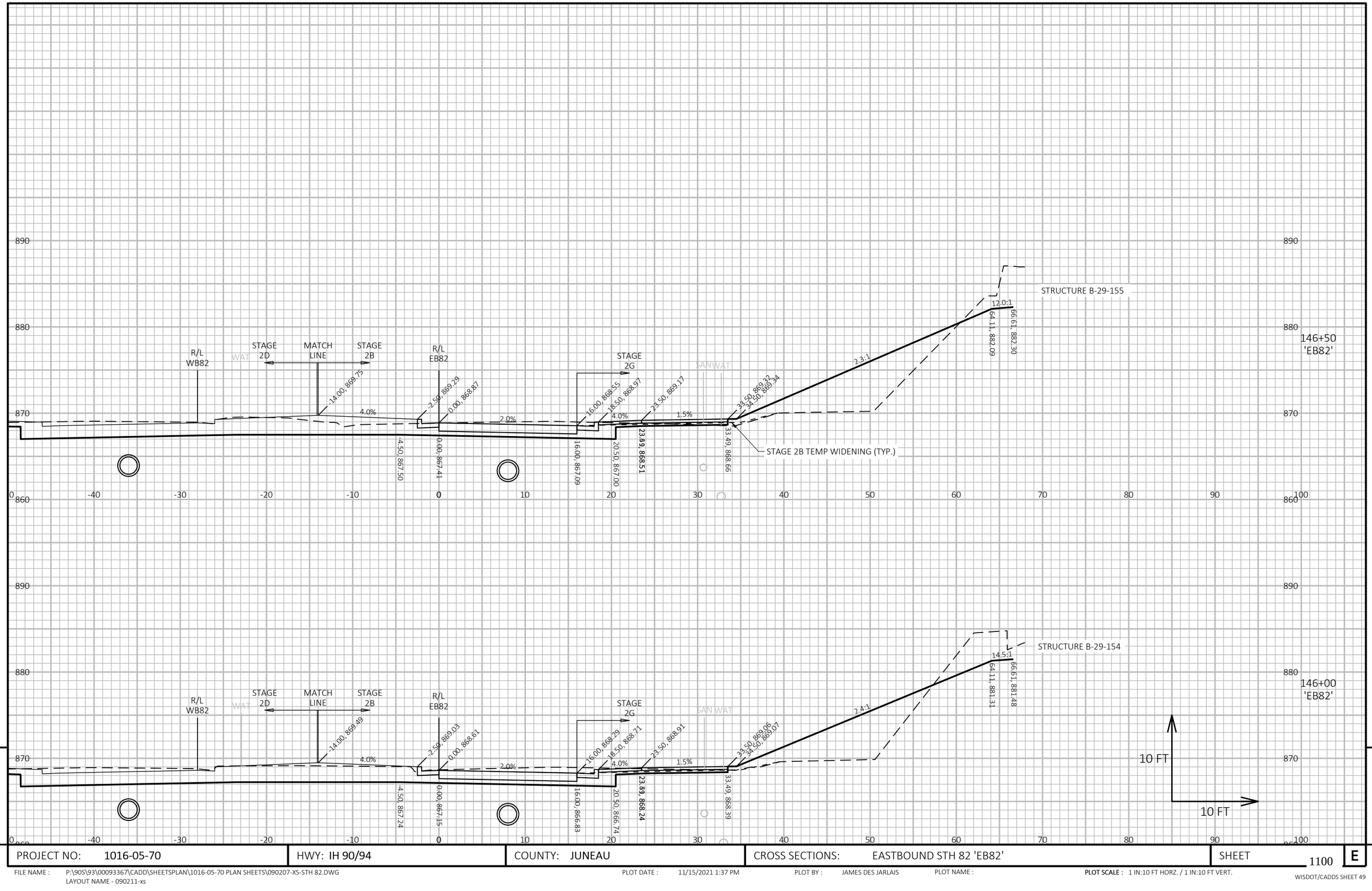


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1099 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 11/15/2021 1:36 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1100	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090211-xs

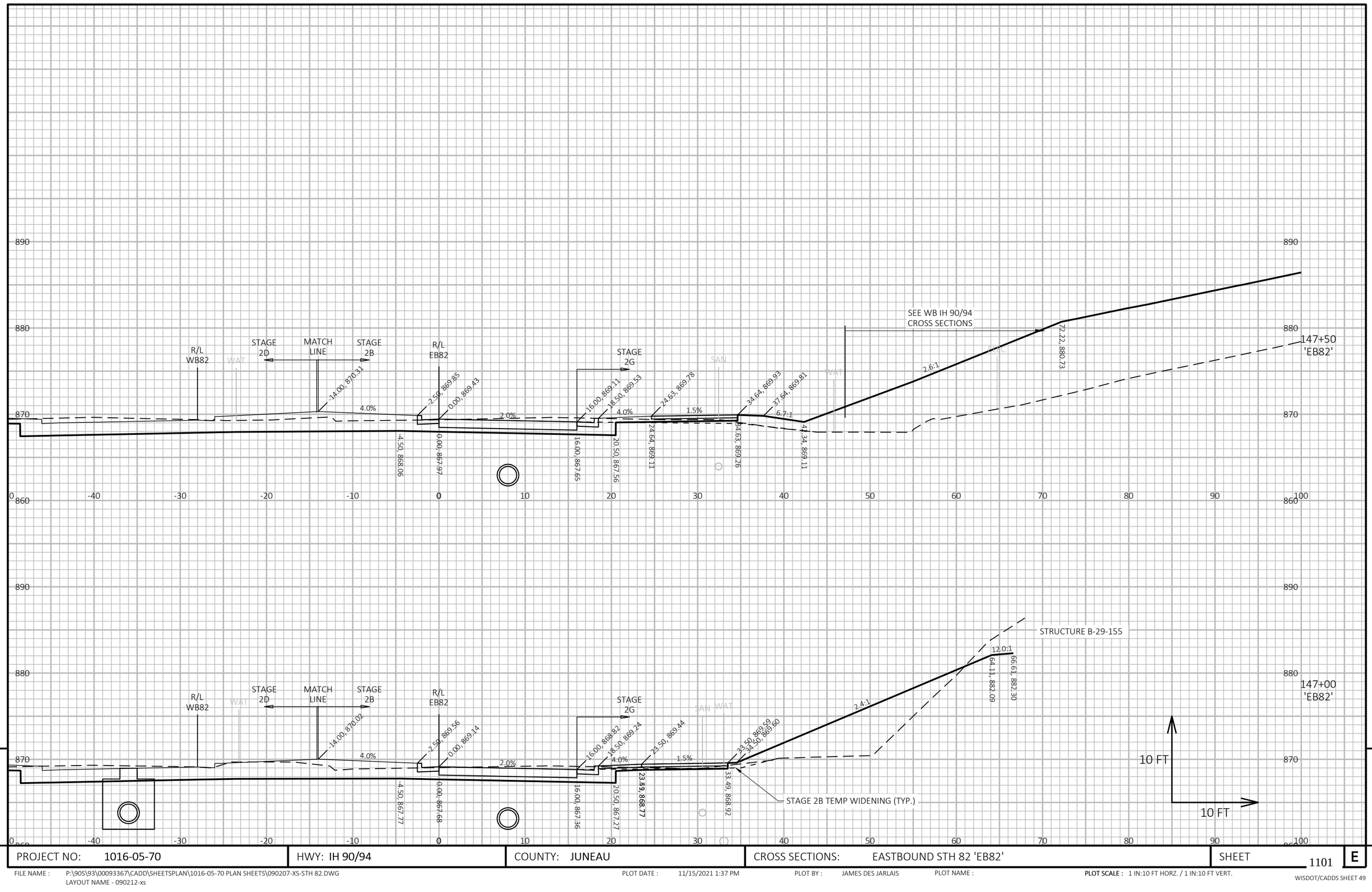
PLOT DATE : 11/15/2021 1:37 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

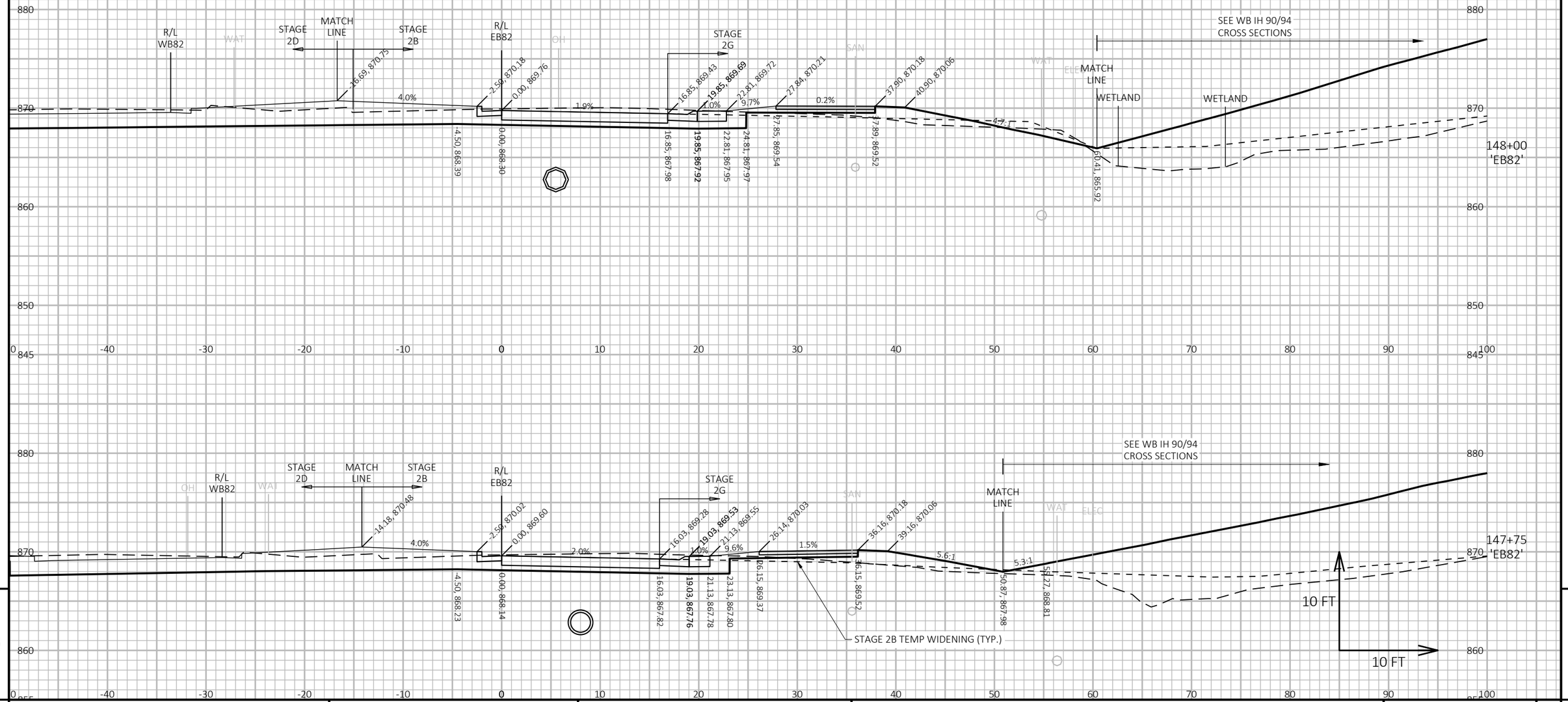


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1101 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 11/15/2021 1:37 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1102	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090213-xs

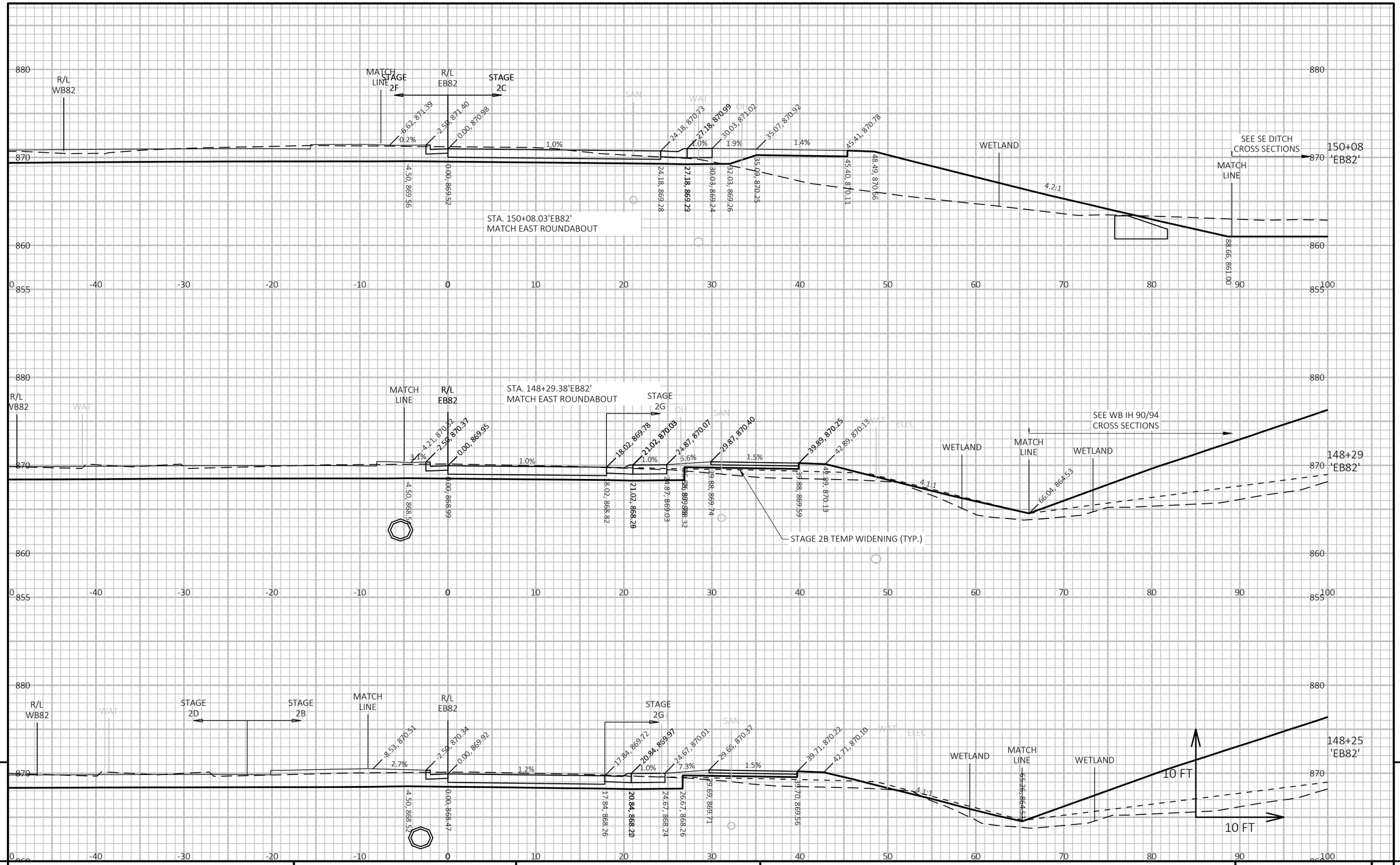
PLOT DATE : 11/15/2021 1:37 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



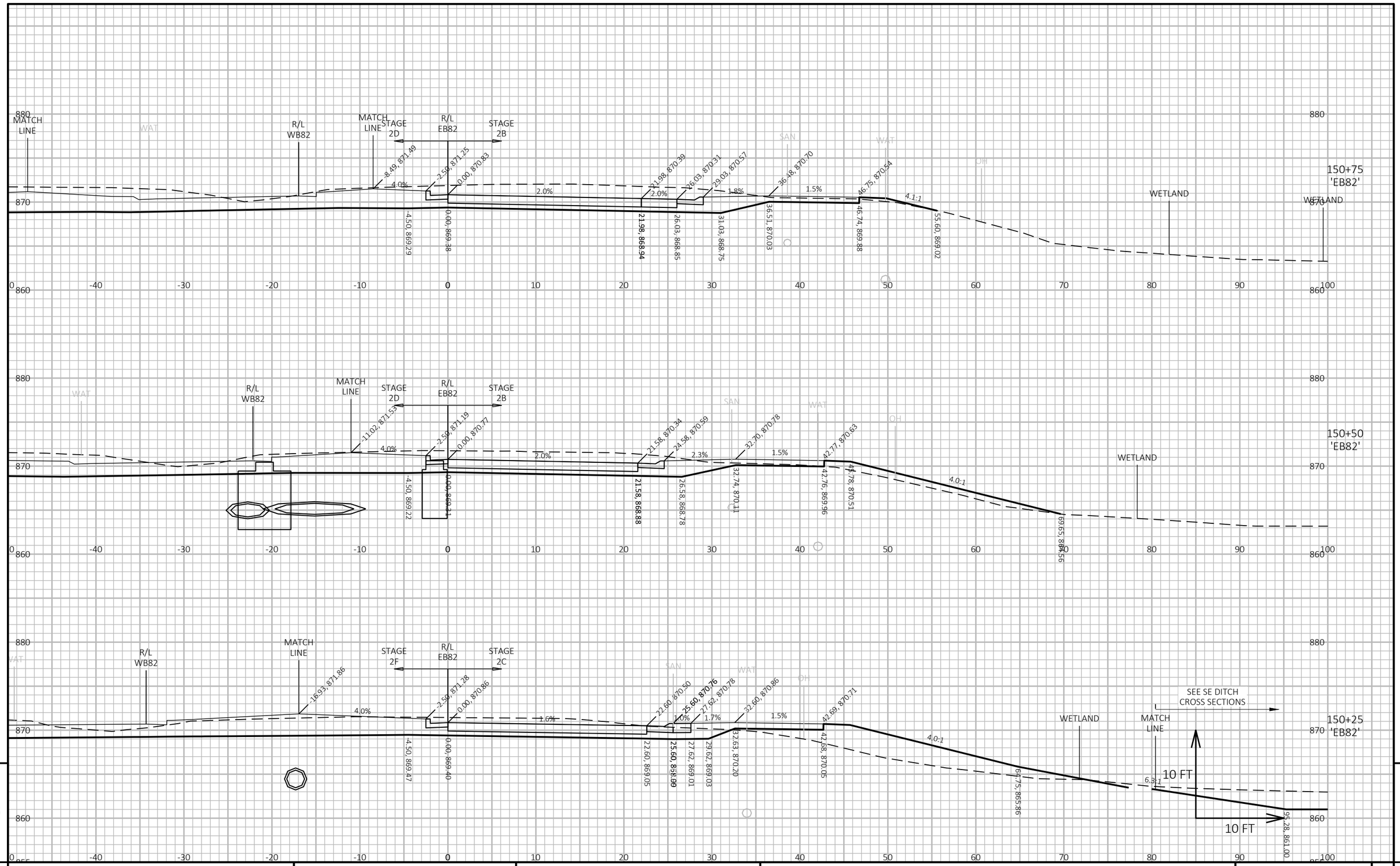
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1103 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090214-xs

PLOT DATE : 11/15/2021 1:37 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1104	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090215-xs

PLOT DATE : 11/15/2021 1:38 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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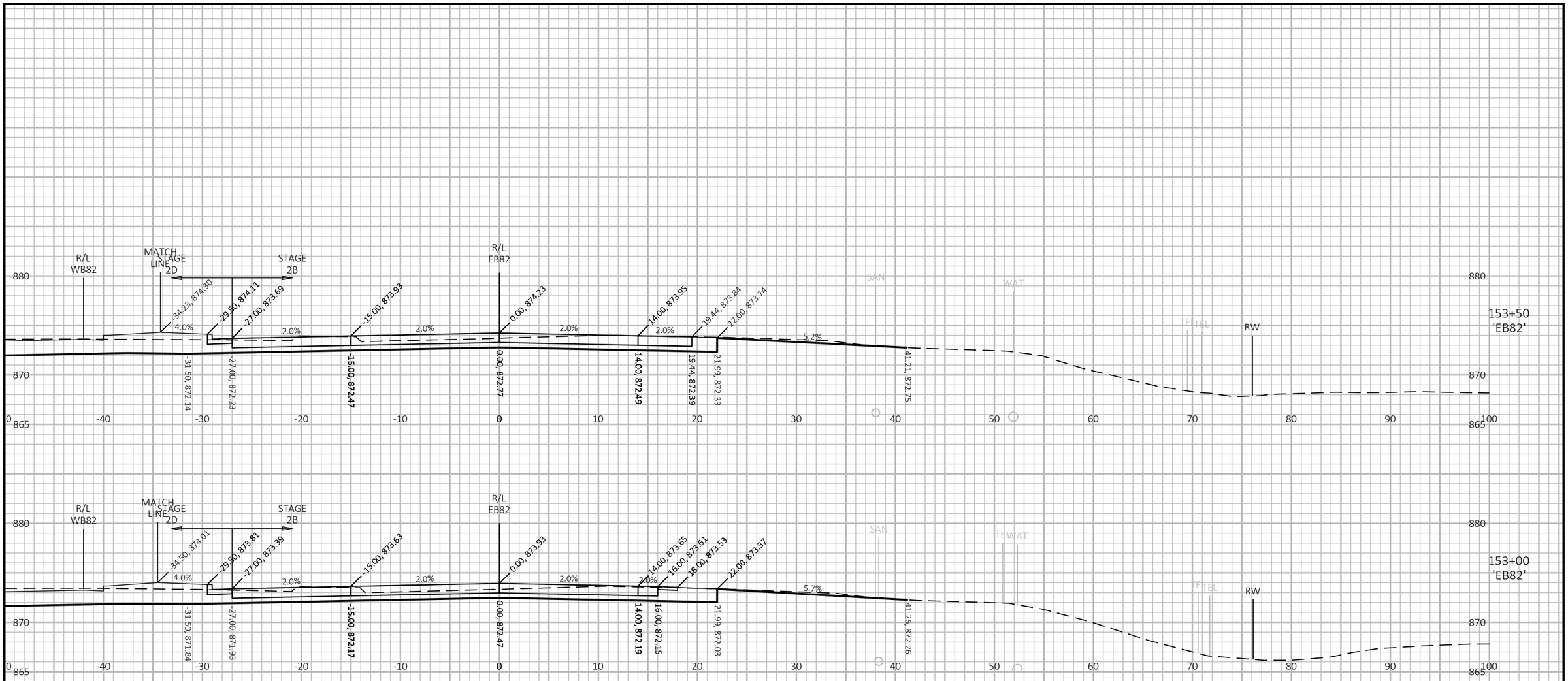
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1105	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090216-xs

PLOT DATE : 10/24/2021 2:06 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

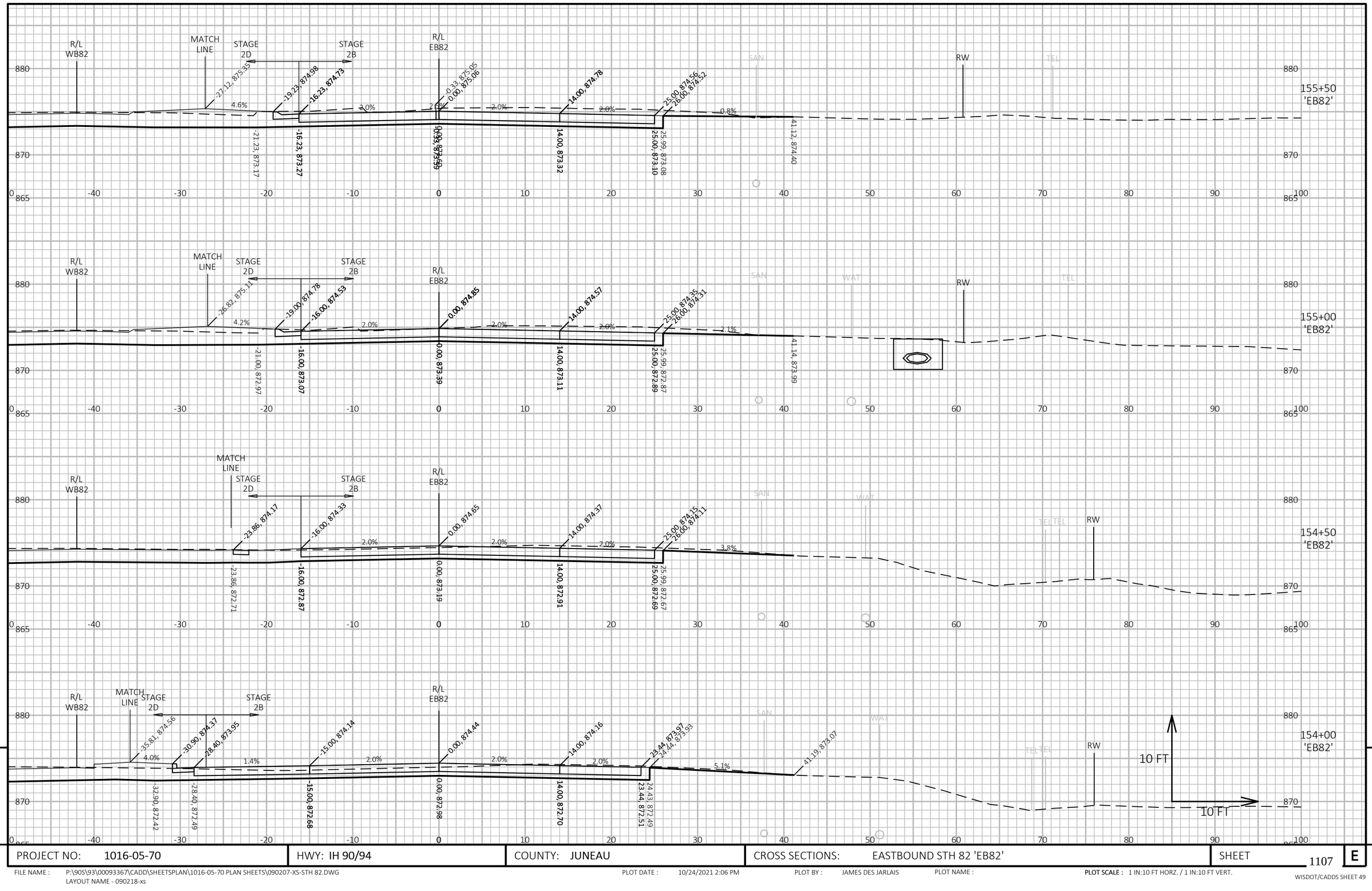


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1106	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090217-xs

PLOT DATE : 10/24/2021 2:06 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

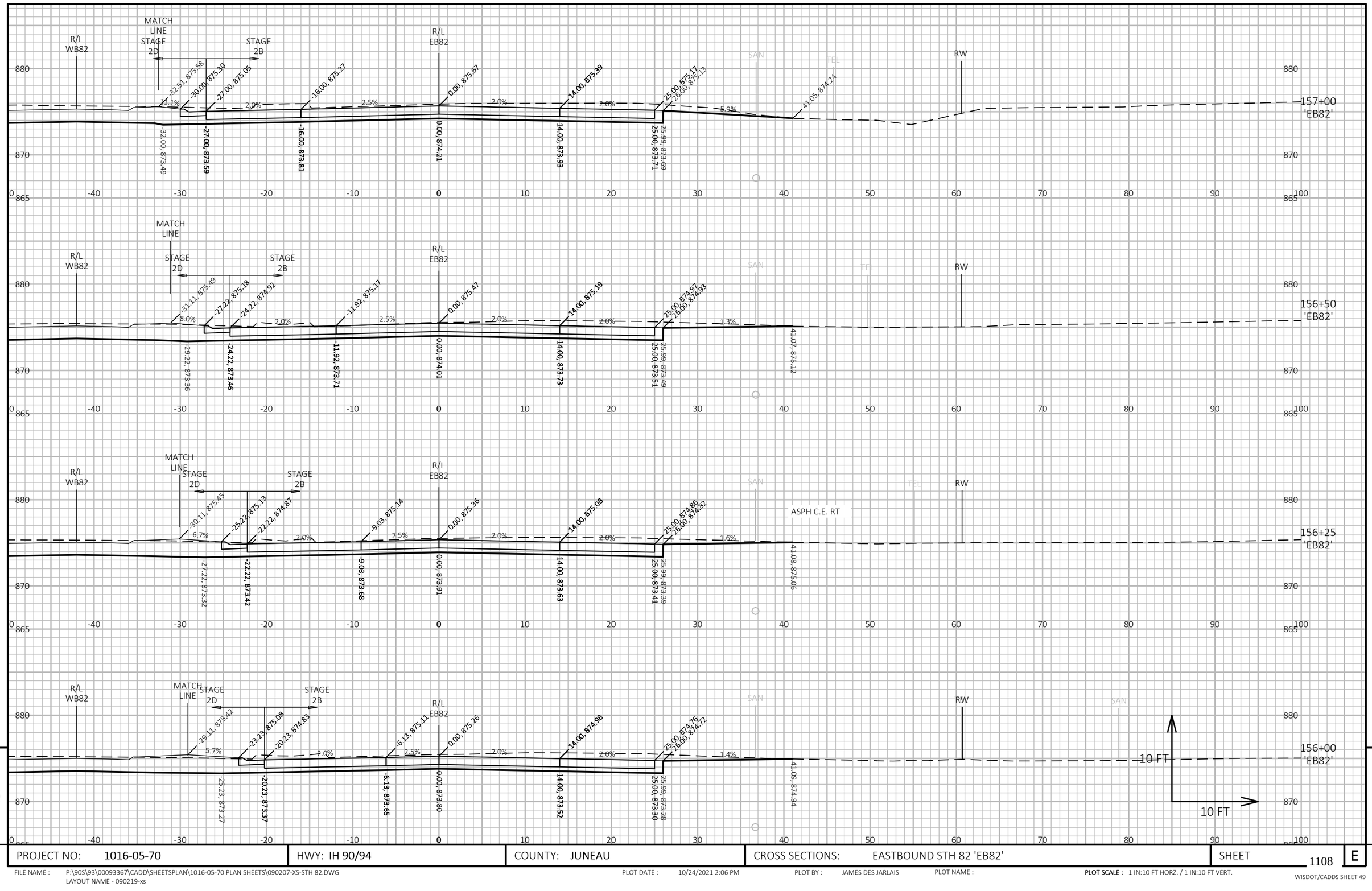
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1107	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090218-xs

PLOT DATE : 10/24/2021 2:06 PM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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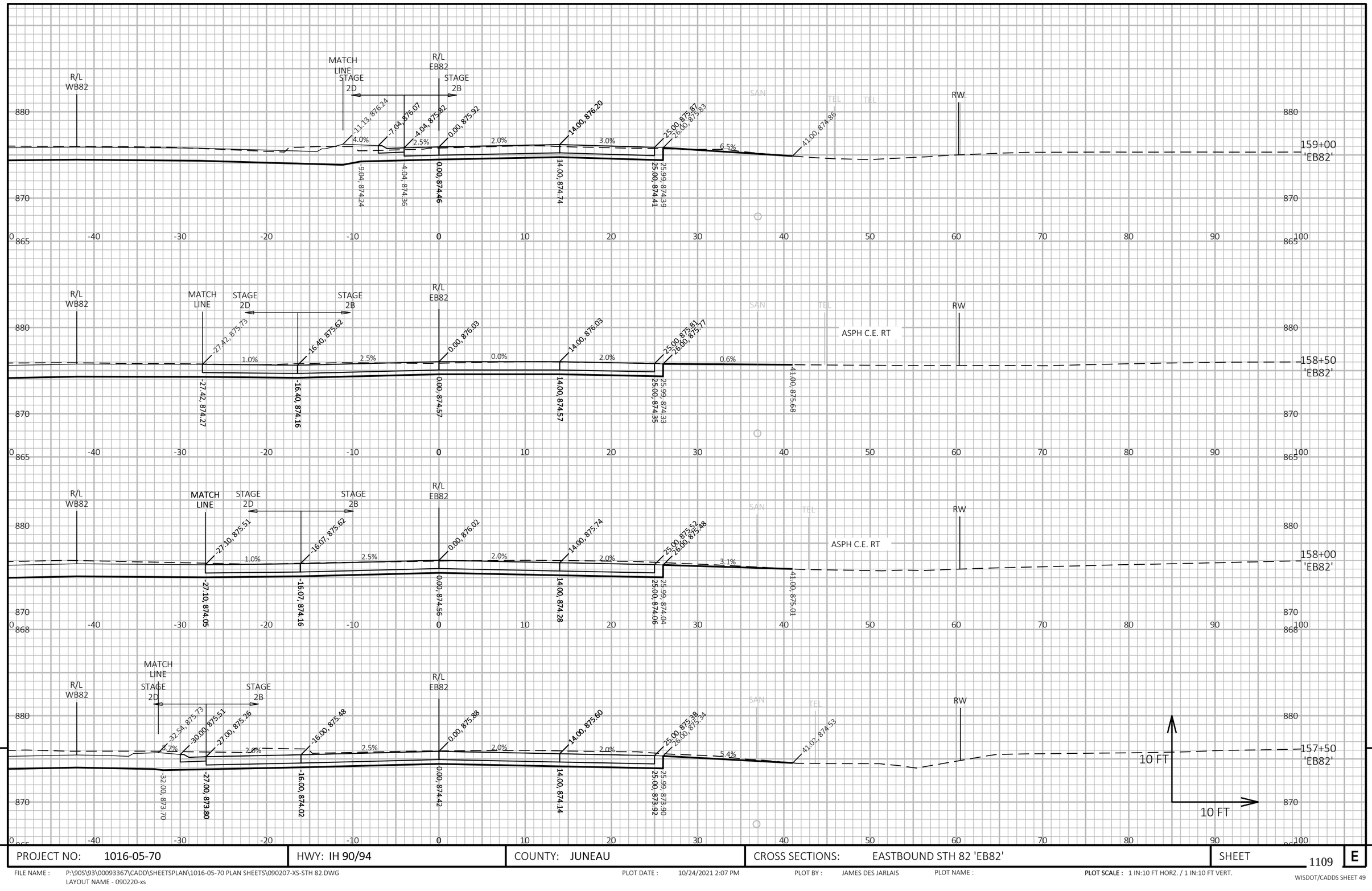
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1108	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090219-xs

PLOT DATE : 10/24/2021 2:06 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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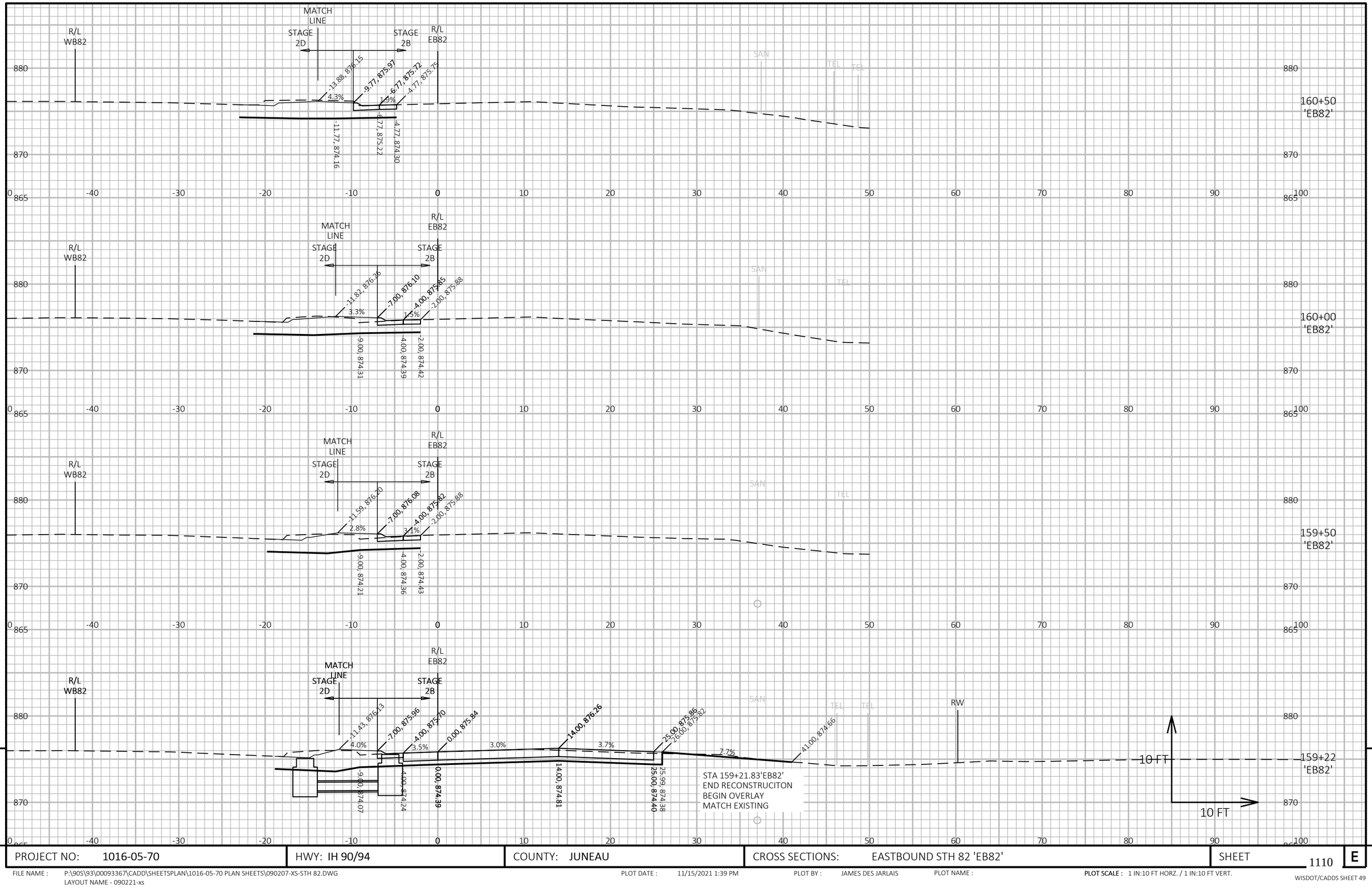
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1109	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090220-xs

PLOT DATE : 10/24/2021 2:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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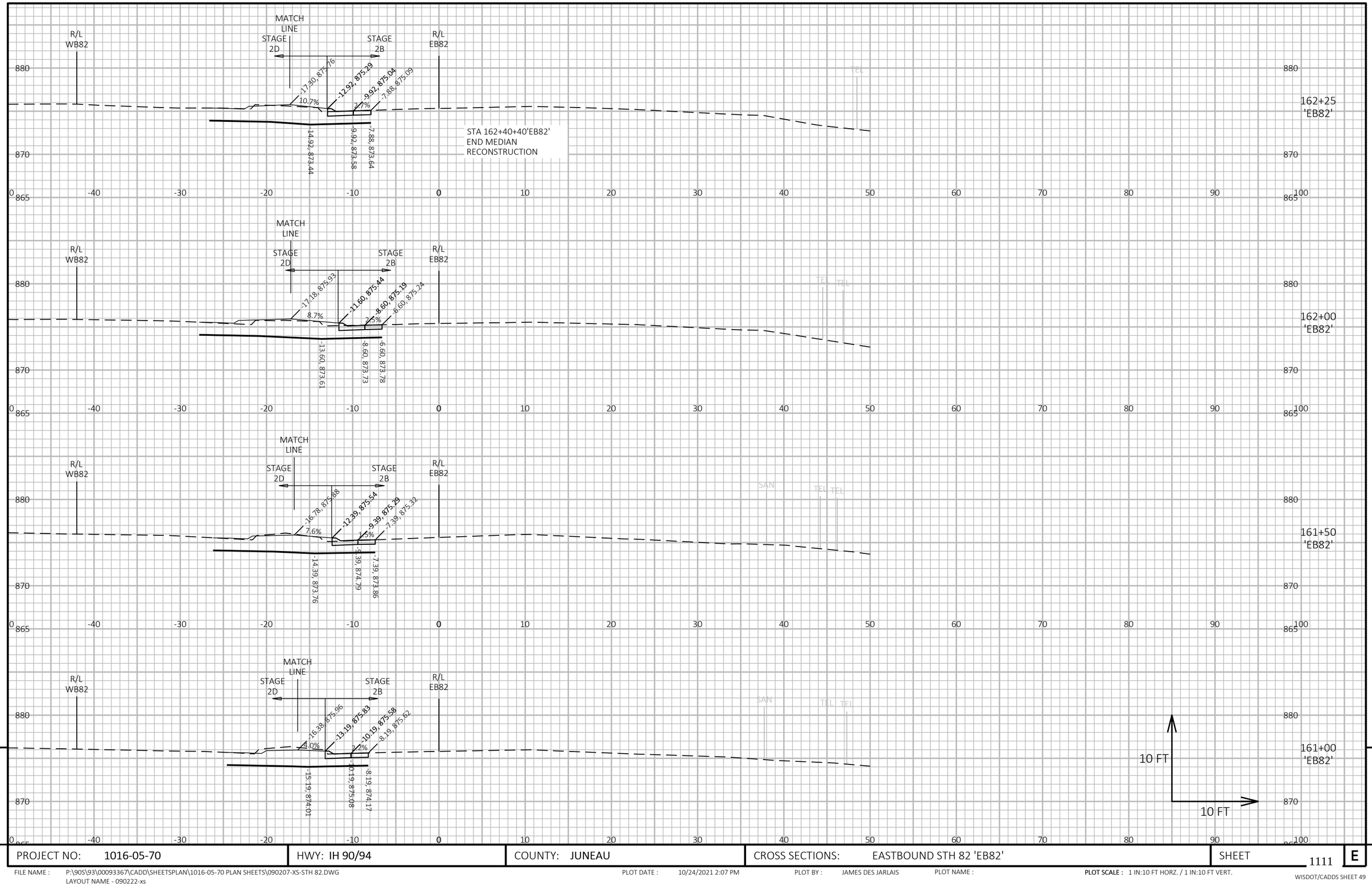
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1110	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090221-xs

PLOT DATE : 11/15/2021 1:39 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

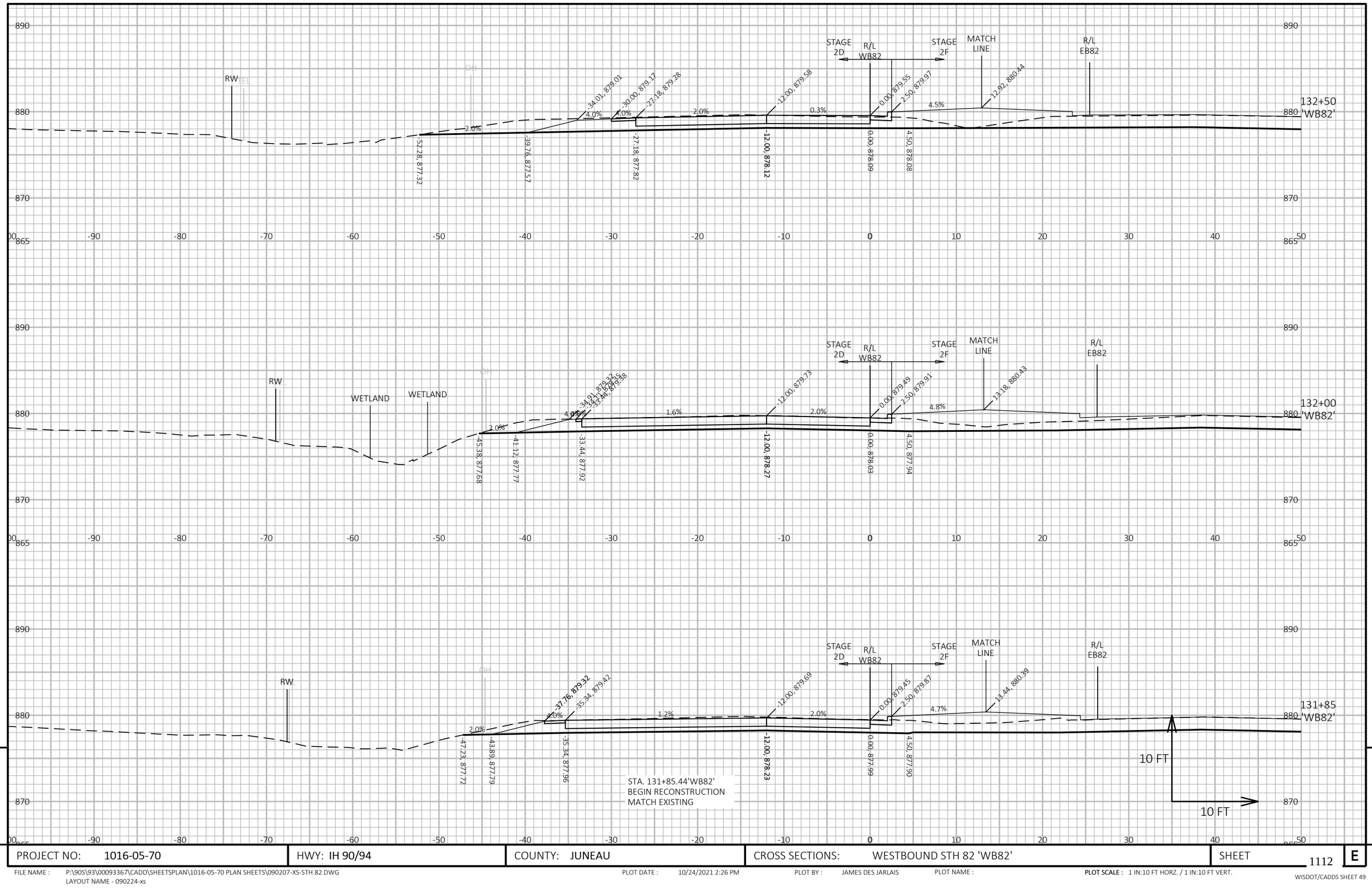


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EASTBOUND STH 82 'EB82'	SHEET 1111	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090222-xs

PLOT DATE : 10/24/2021 2:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

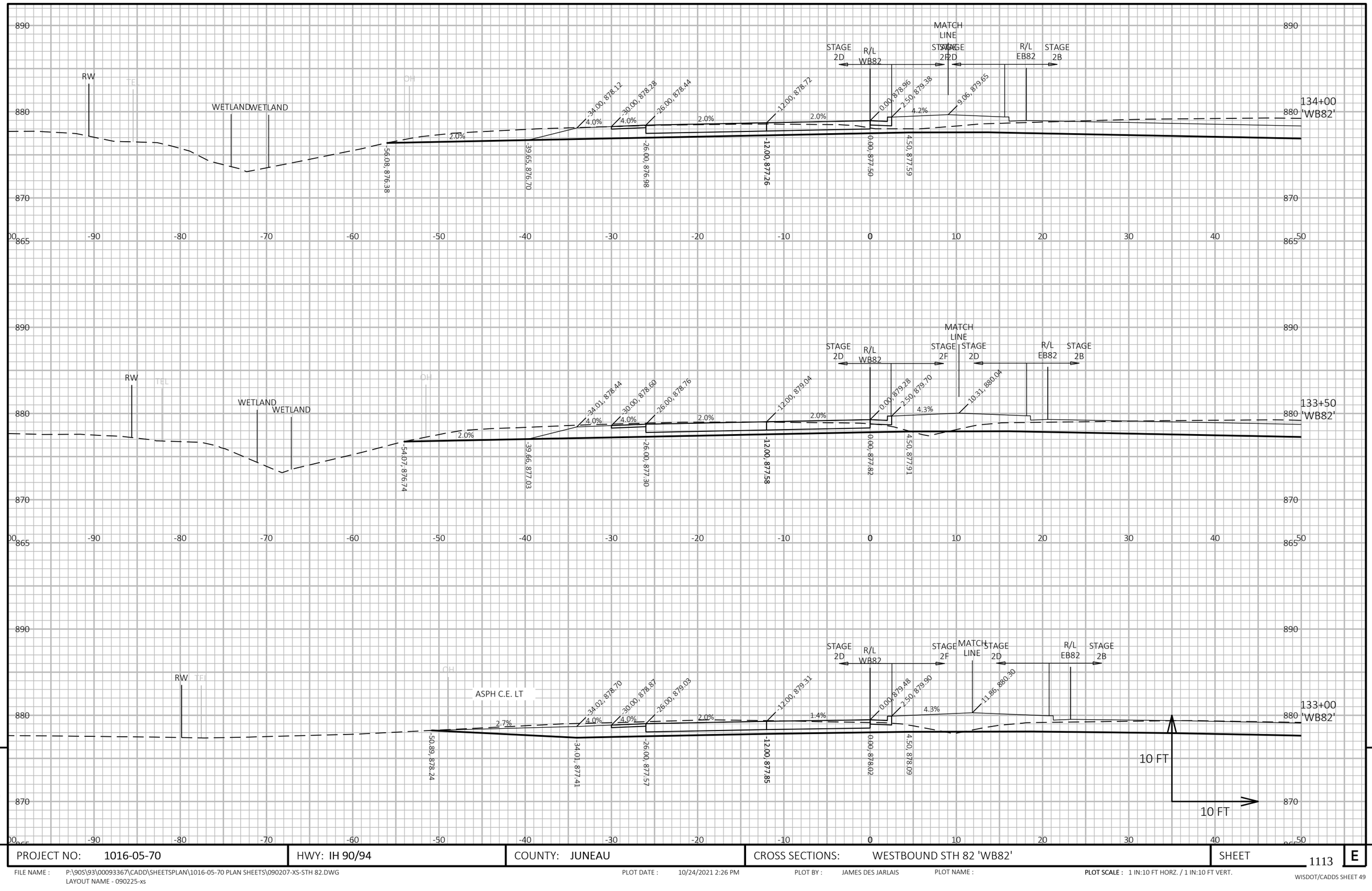
WISDOT/CADDS SHEET 49



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1112 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090224-xs

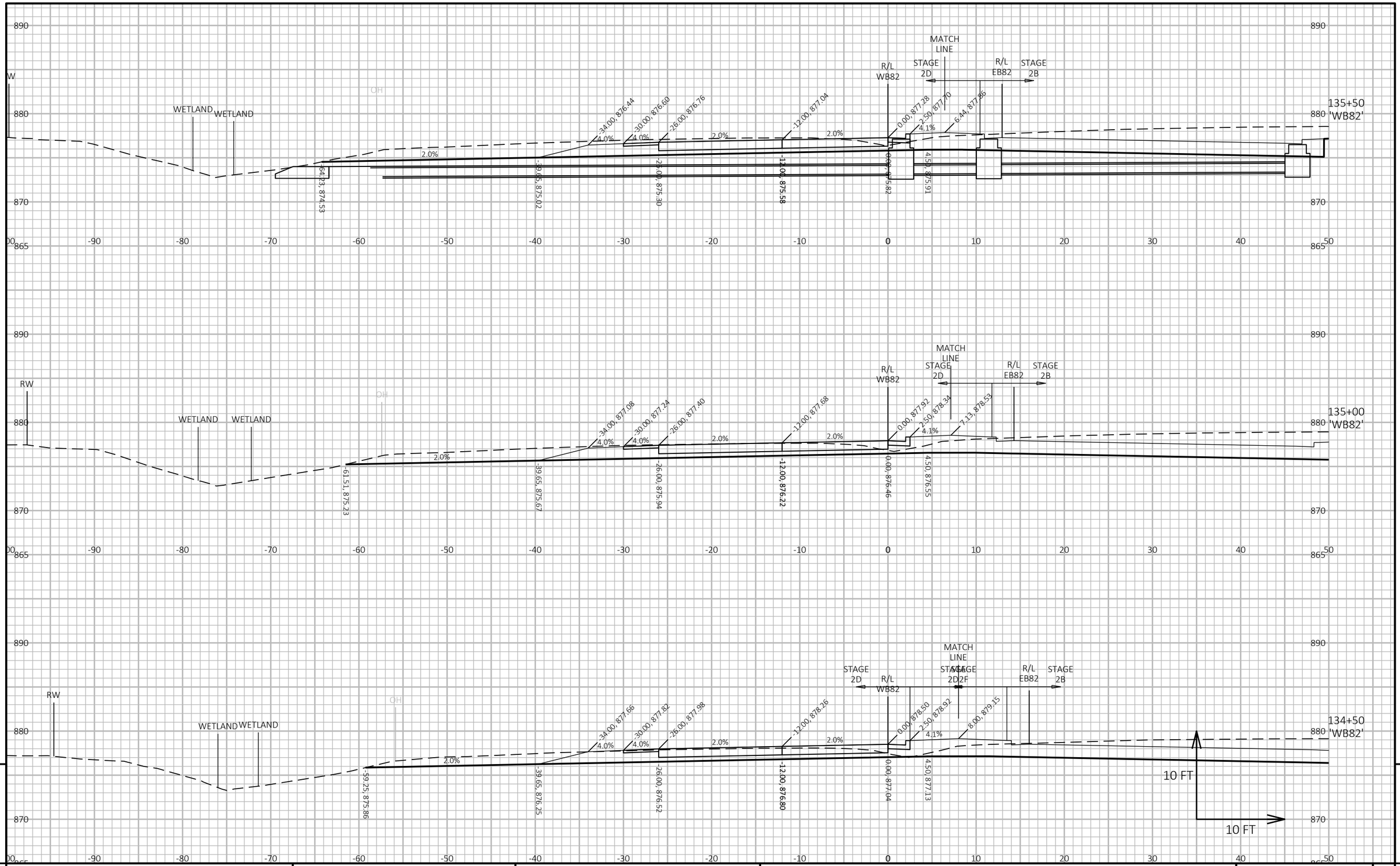
PLOT DATE : 10/24/2021 2:26 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1113 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090225-xs

PLOT DATE : 10/24/2021 2:26 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1114	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090226-xs

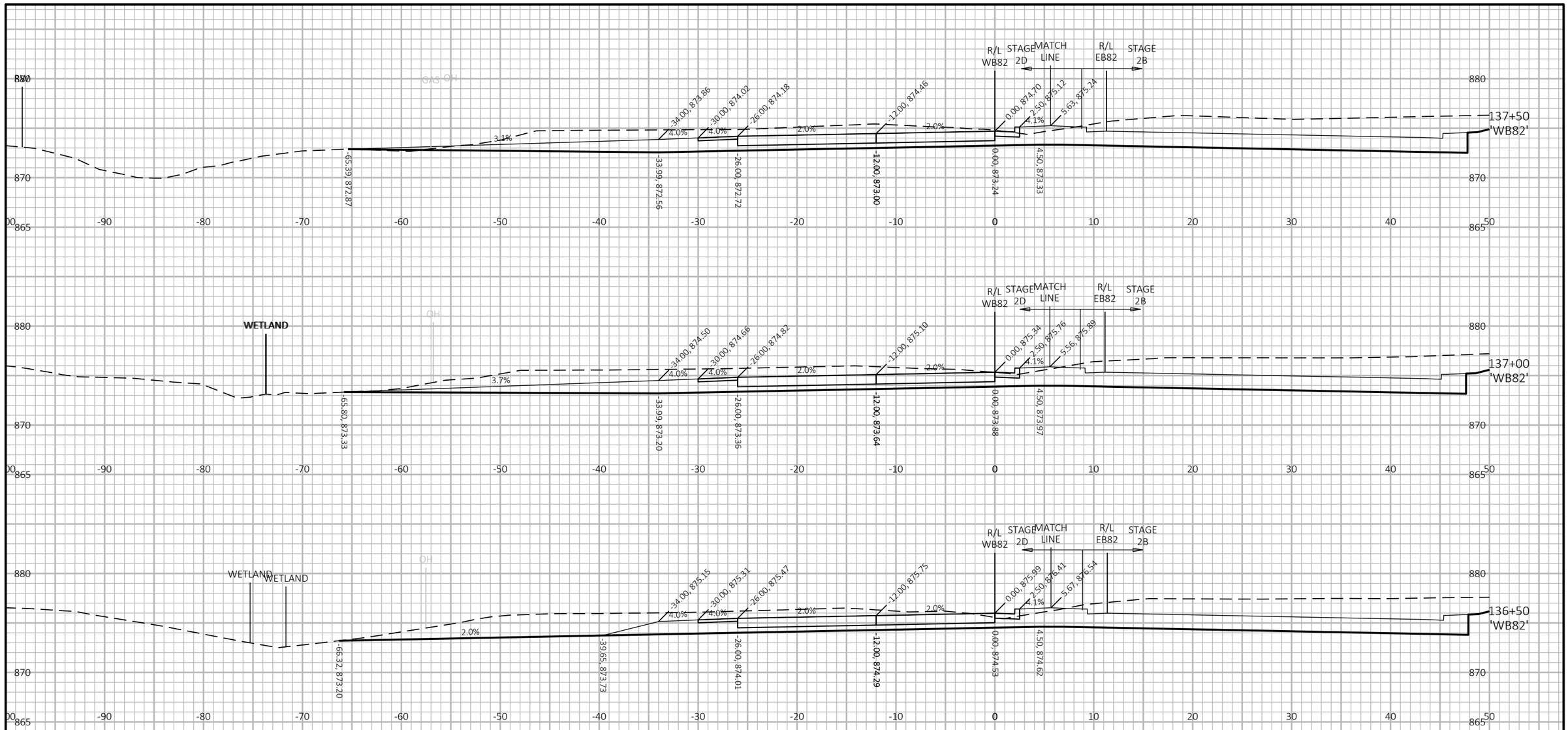
PLOT DATE : 10/24/2021 2:27 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

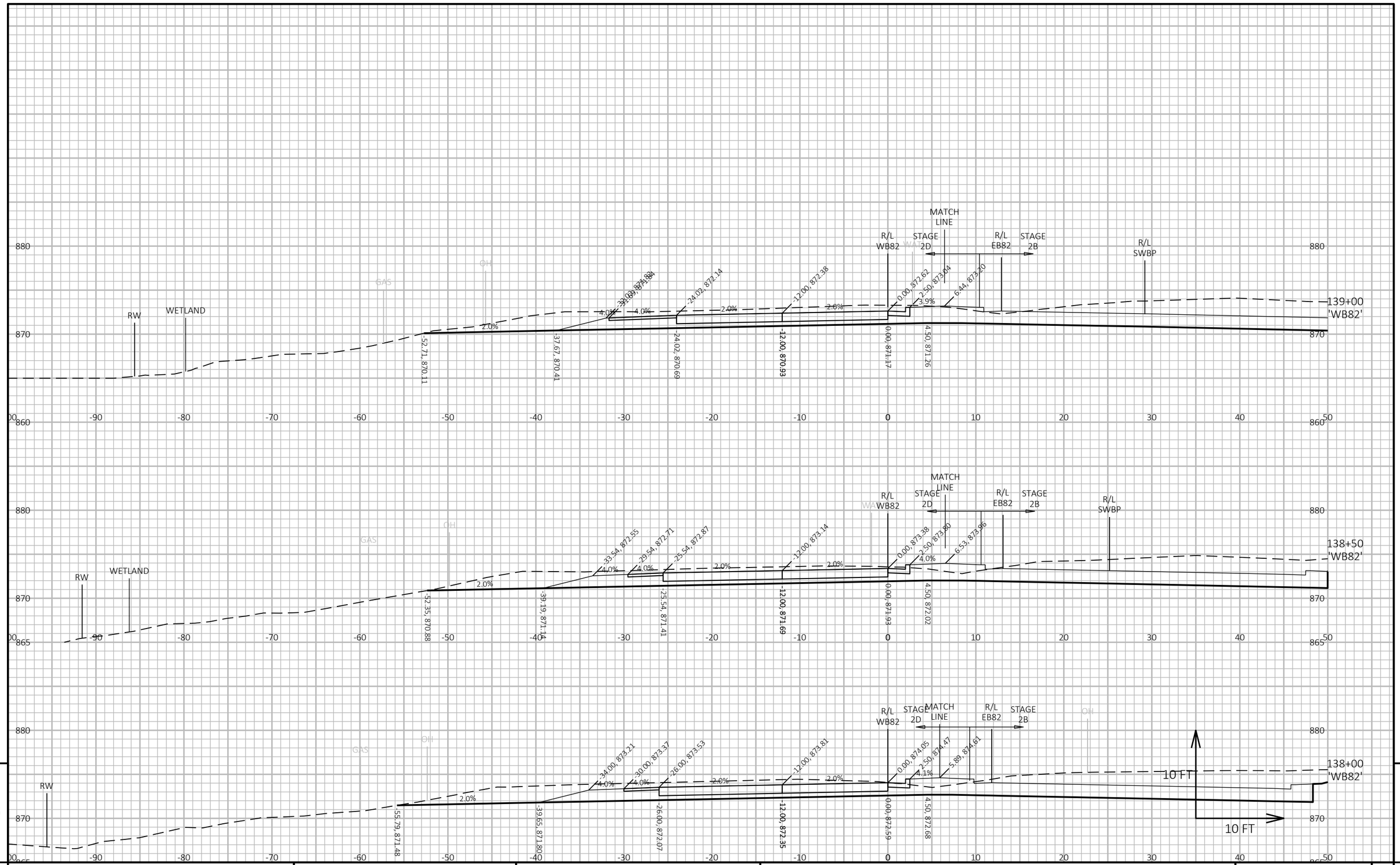


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1115 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090227-xs

PLOT DATE : 10/24/2021 2:27 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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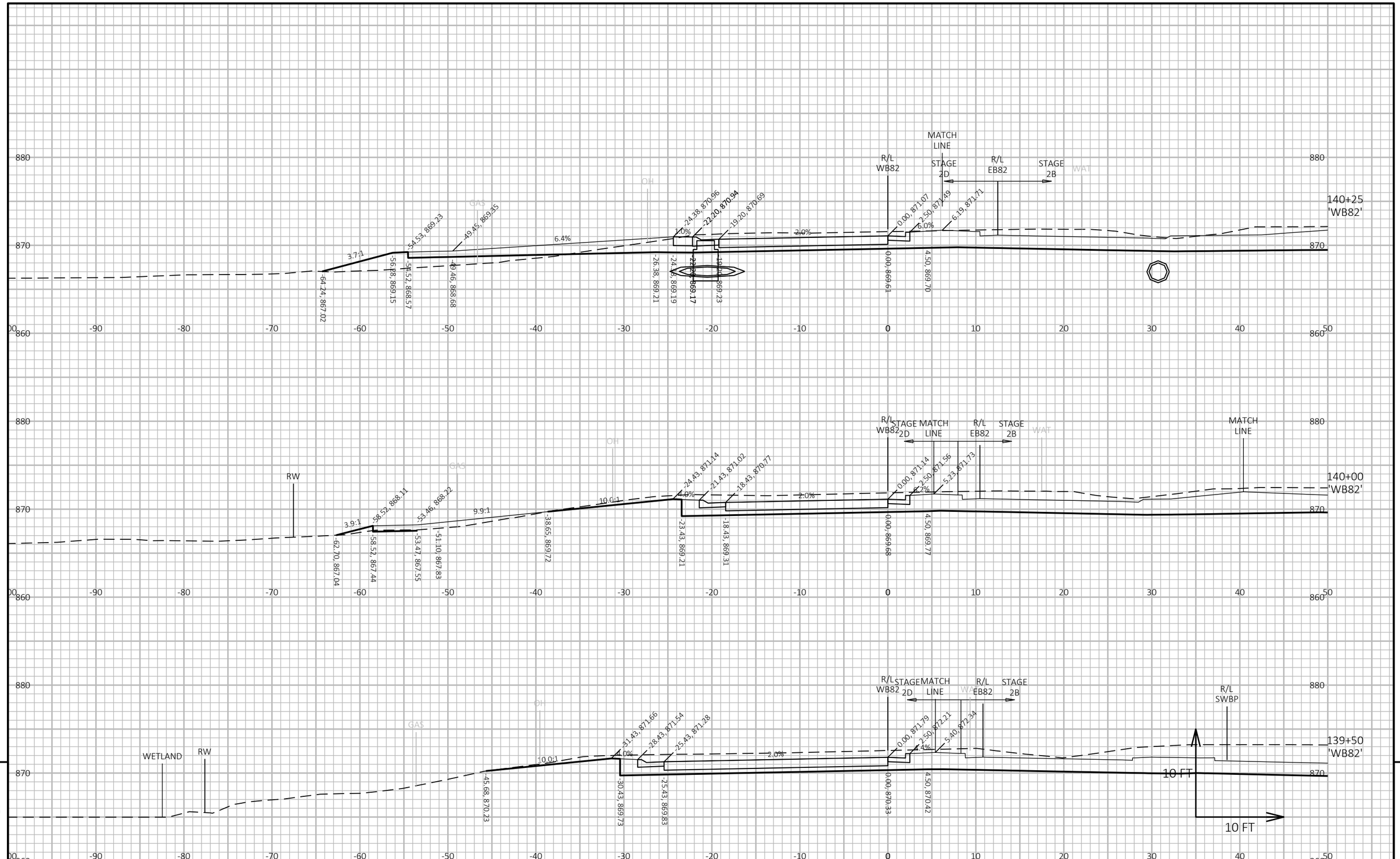
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1116	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090228-xs

PLOT DATE : 11/15/2021 2:14 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

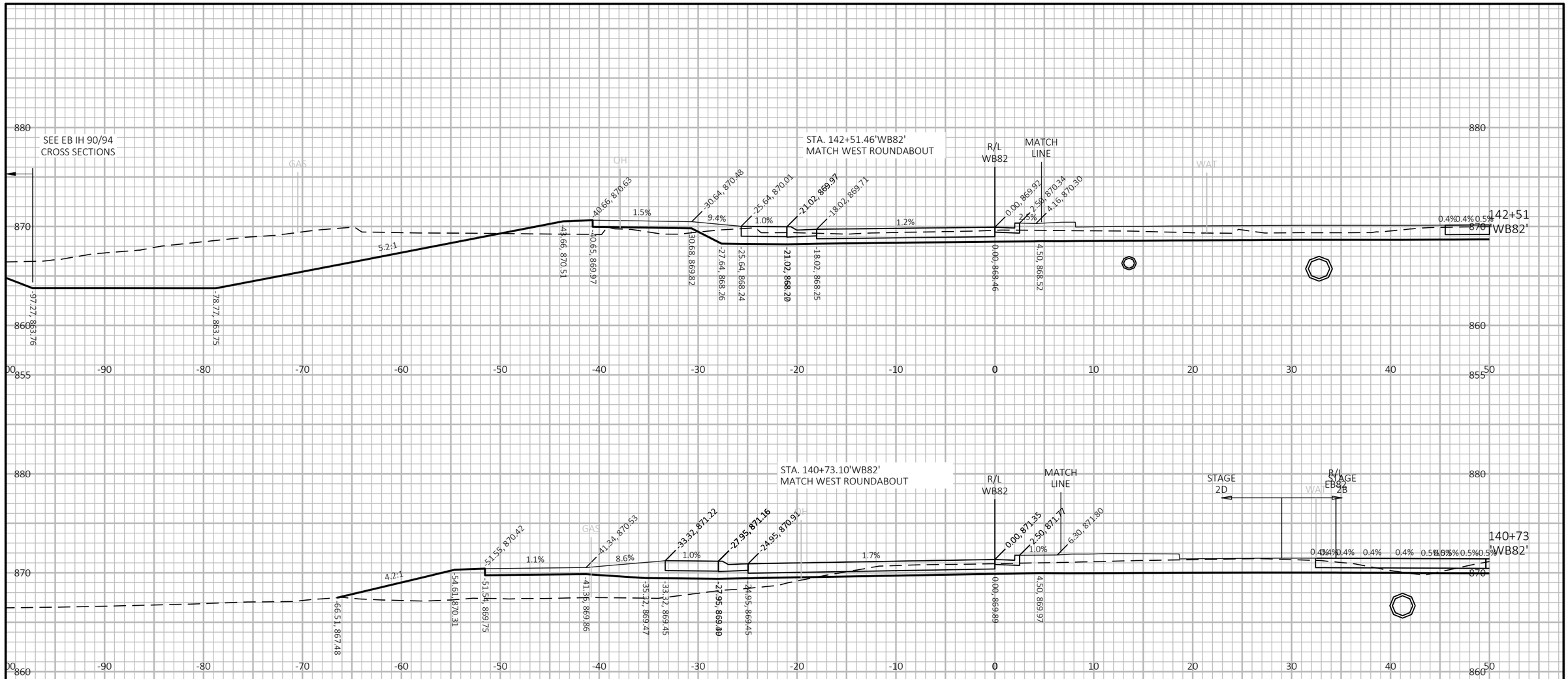


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1117	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090229-xs

PLOT DATE : 11/15/2021 2:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1118 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090230-xs

PLOT DATE : 11/15/2021 2:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

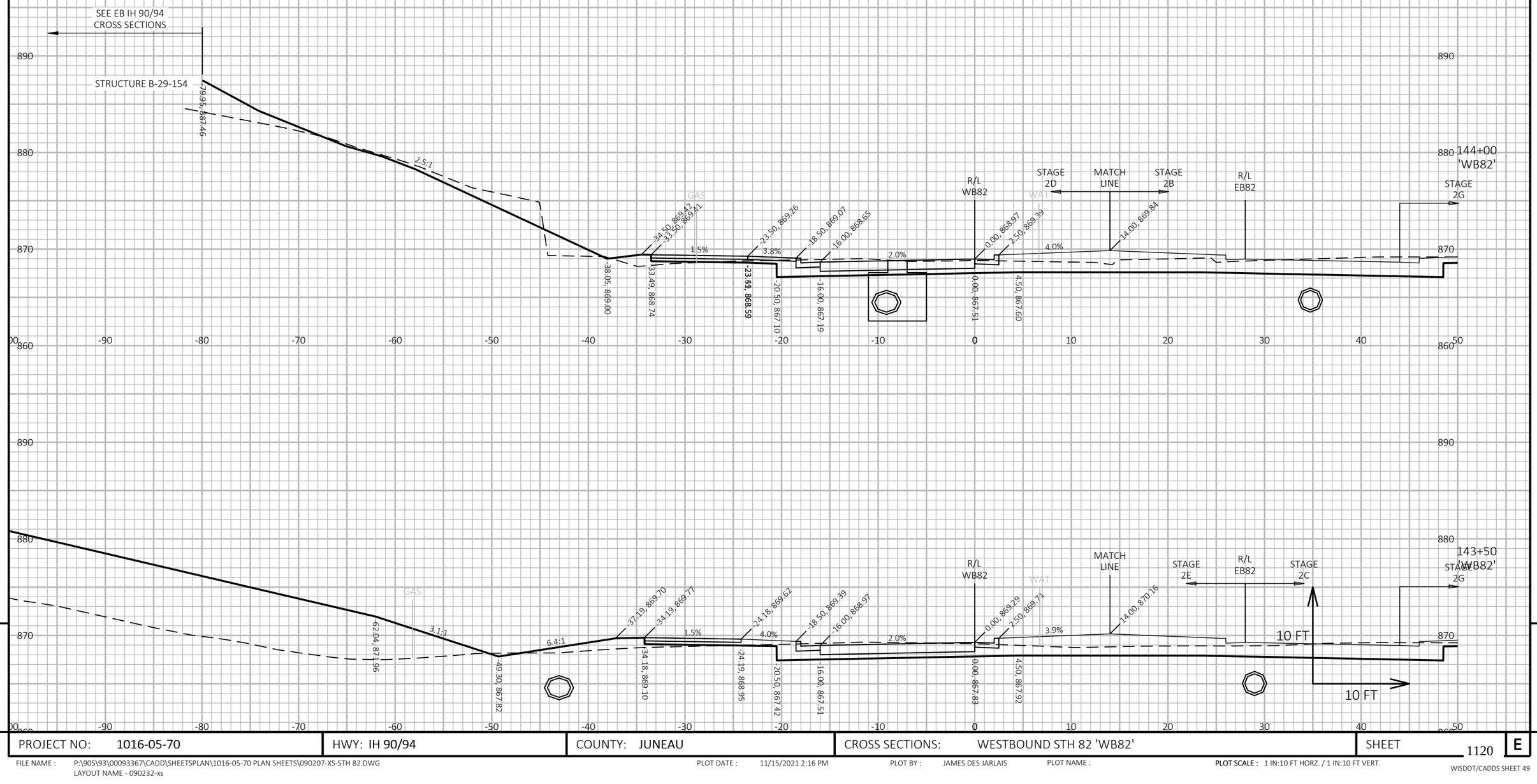
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1119	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090231-xs

PLOT DATE : 11/15/2021 2:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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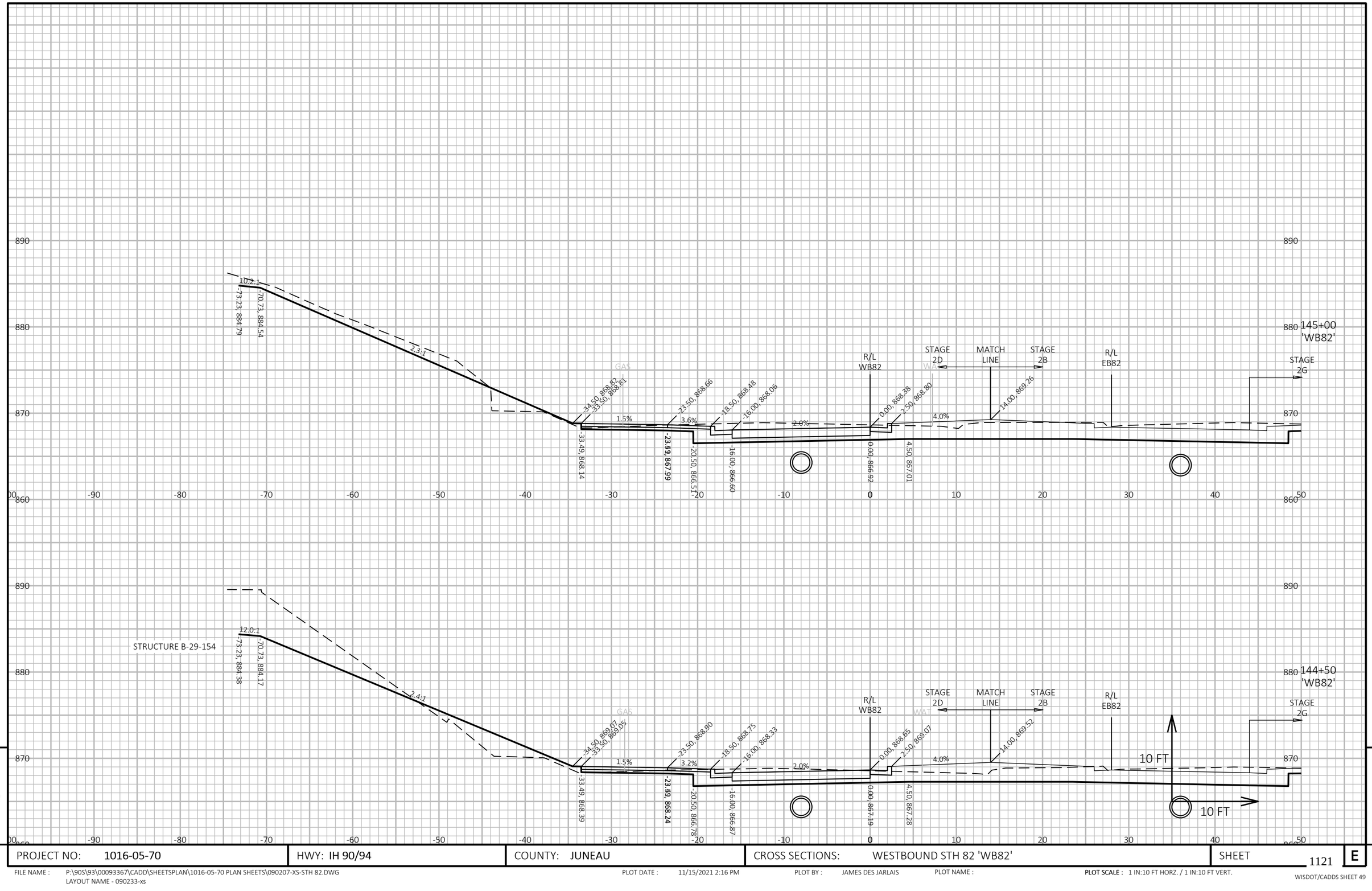
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1120	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090232-xs

PLOT DATE : 11/15/2021 2:16 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

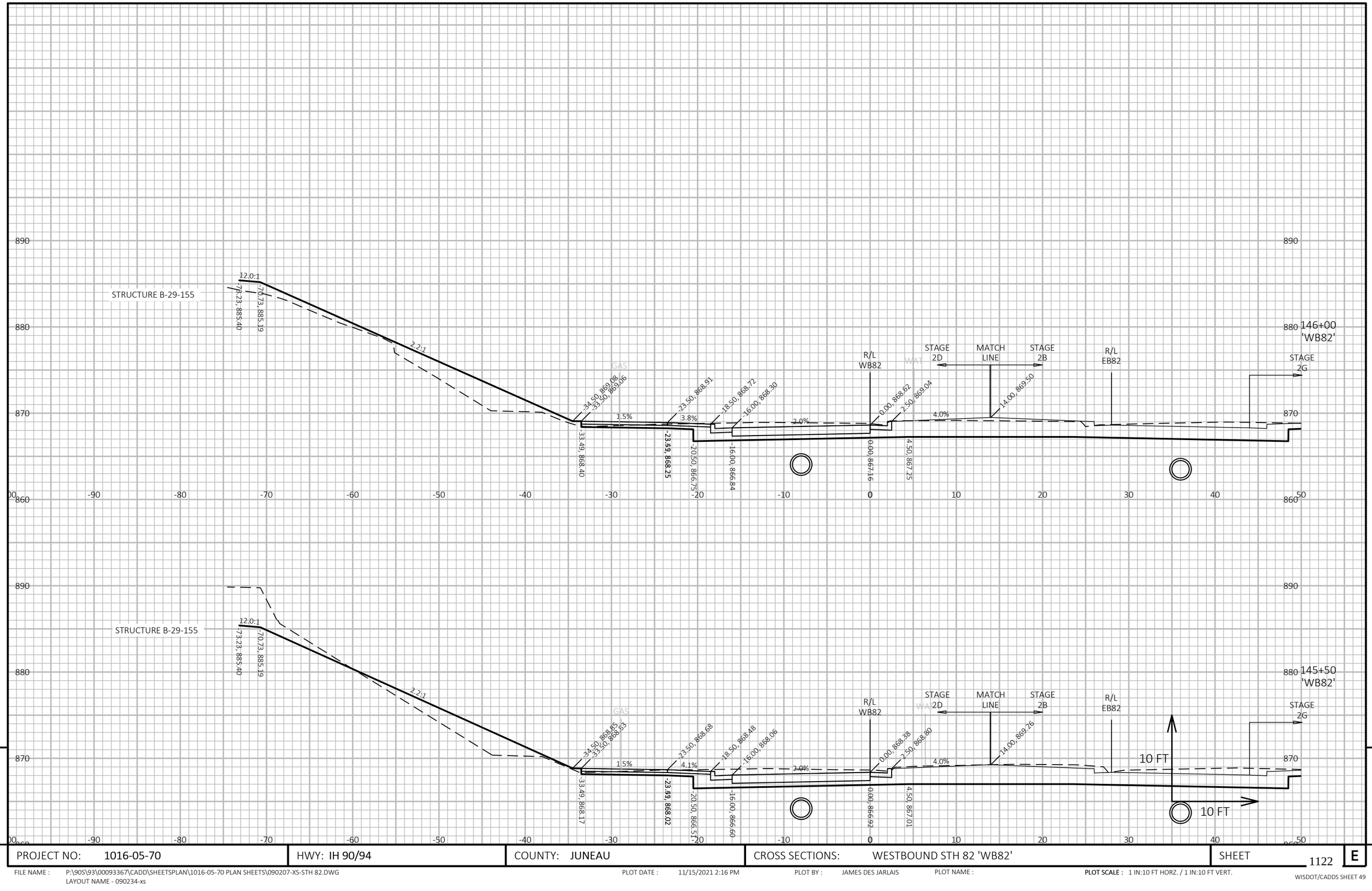


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1121	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090233-xs

PLOT DATE : 11/15/2021 2:16 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

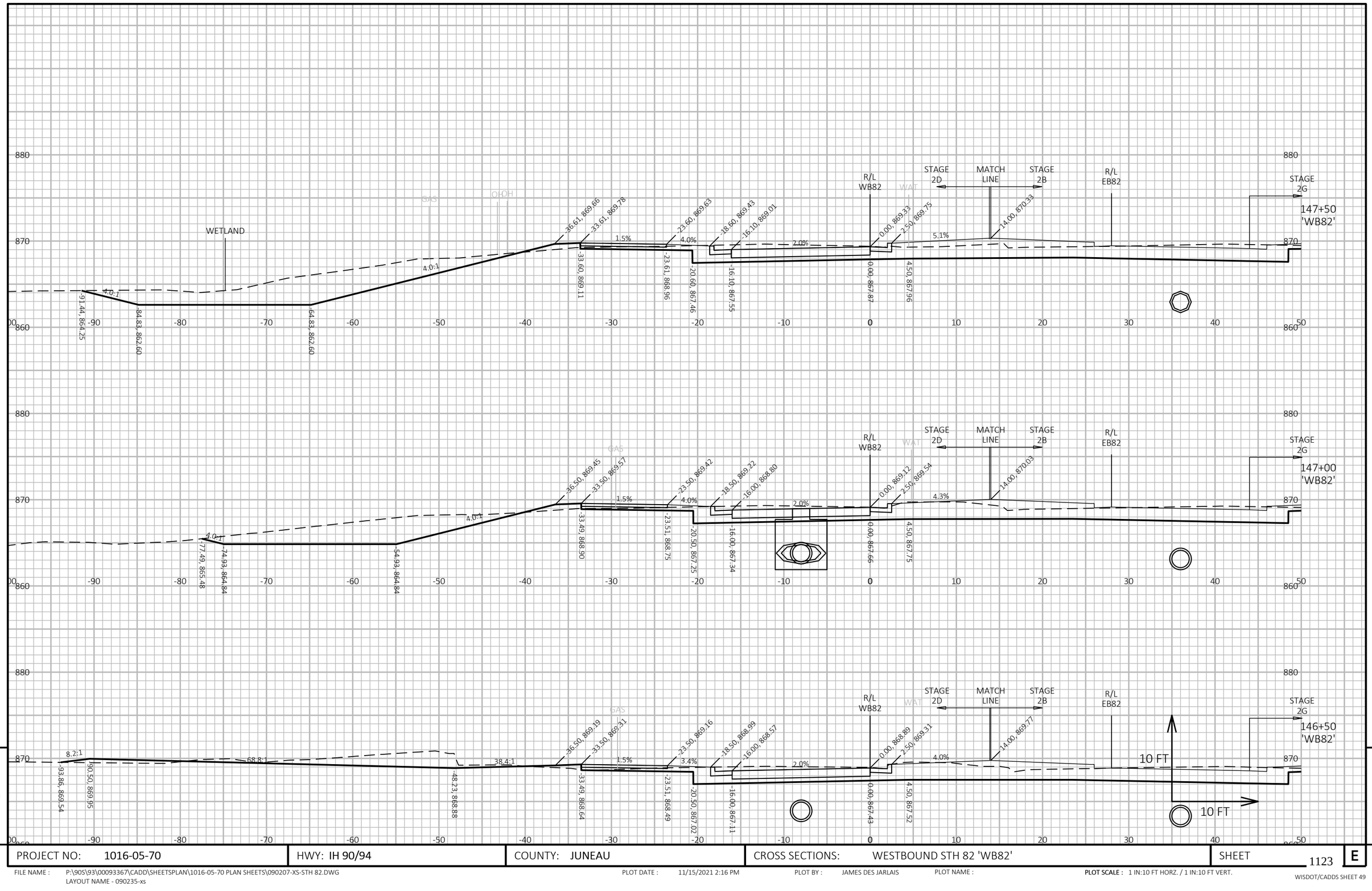


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1122 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090234-xs

PLOT DATE : 11/15/2021 2:16 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



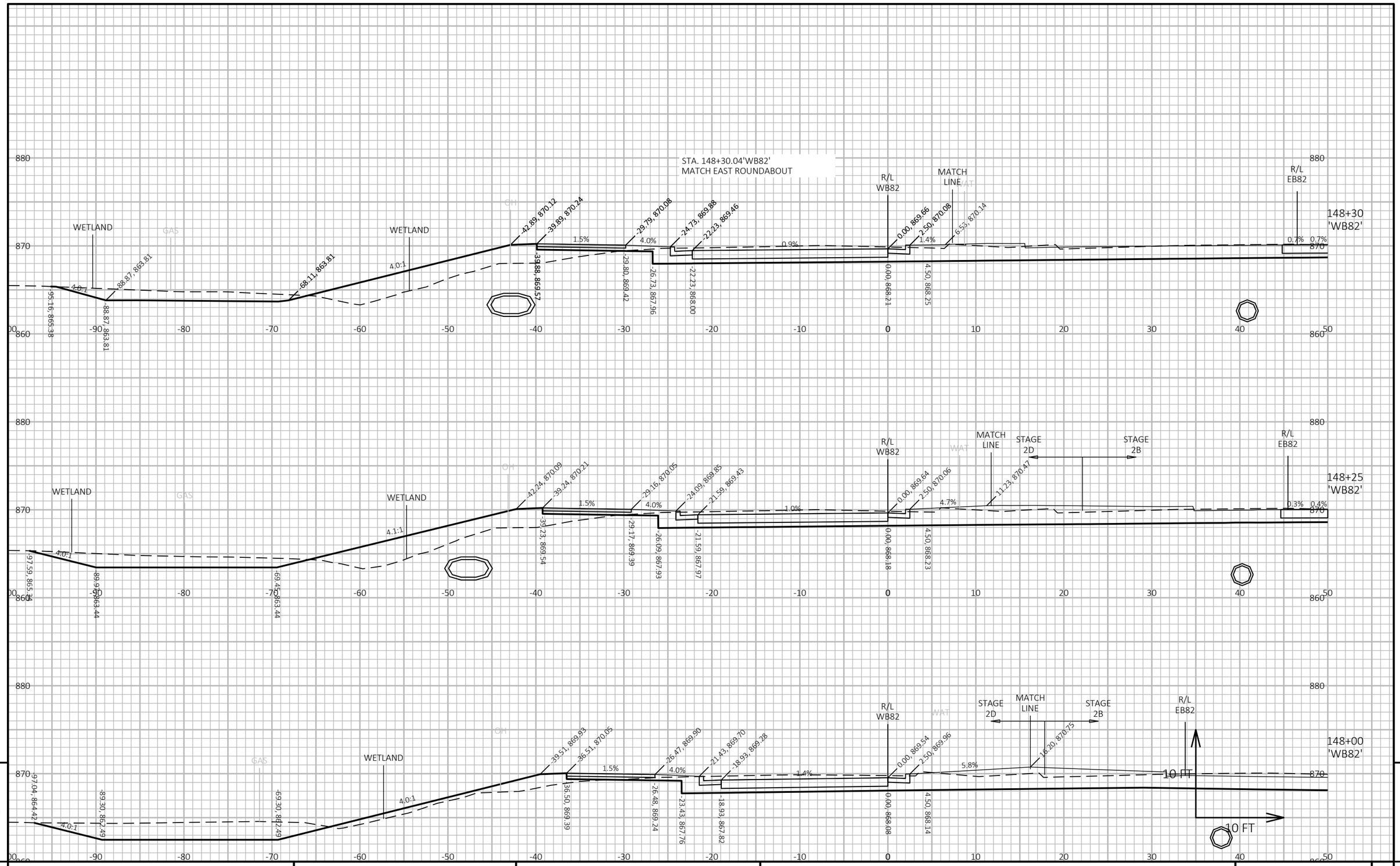
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1123	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090235-xs

PLOT DATE : 11/15/2021 2:16 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

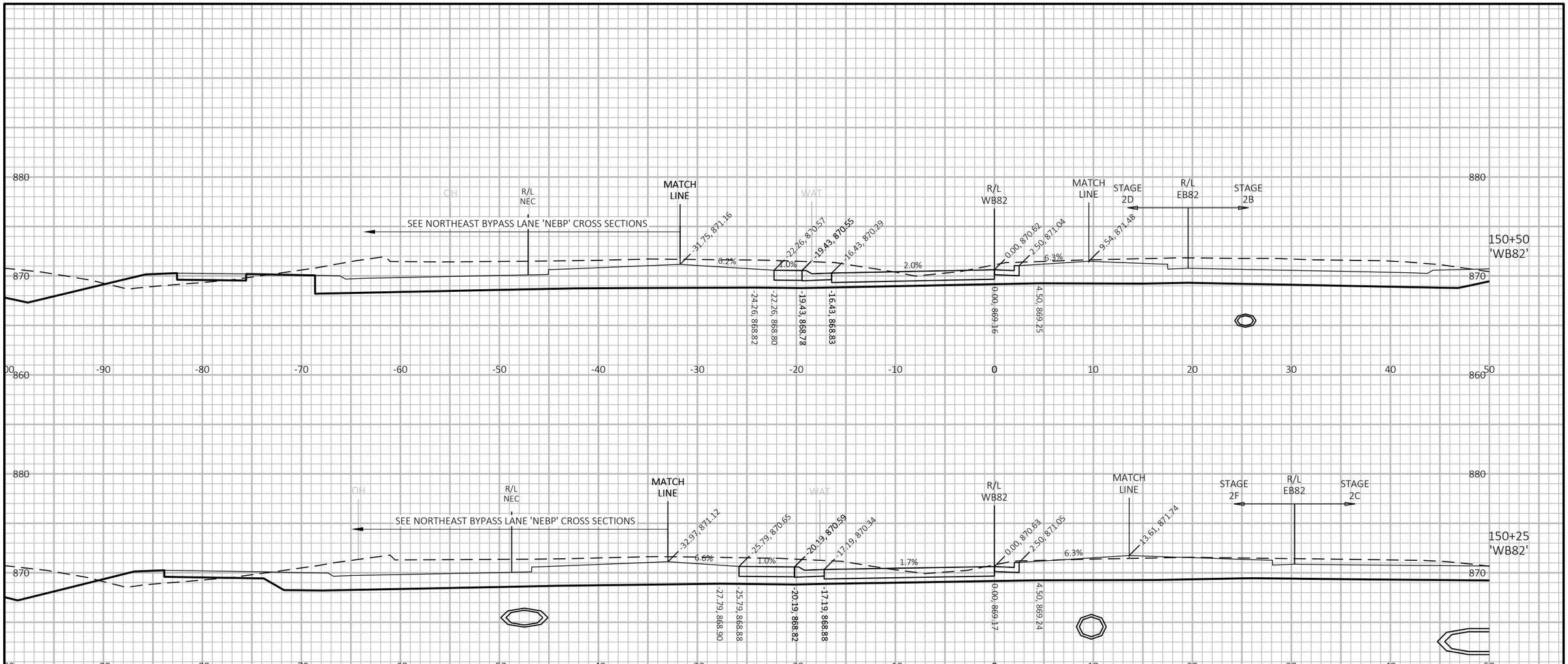


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1124 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090236-xs

PLOT DATE : 11/15/2021 2:17 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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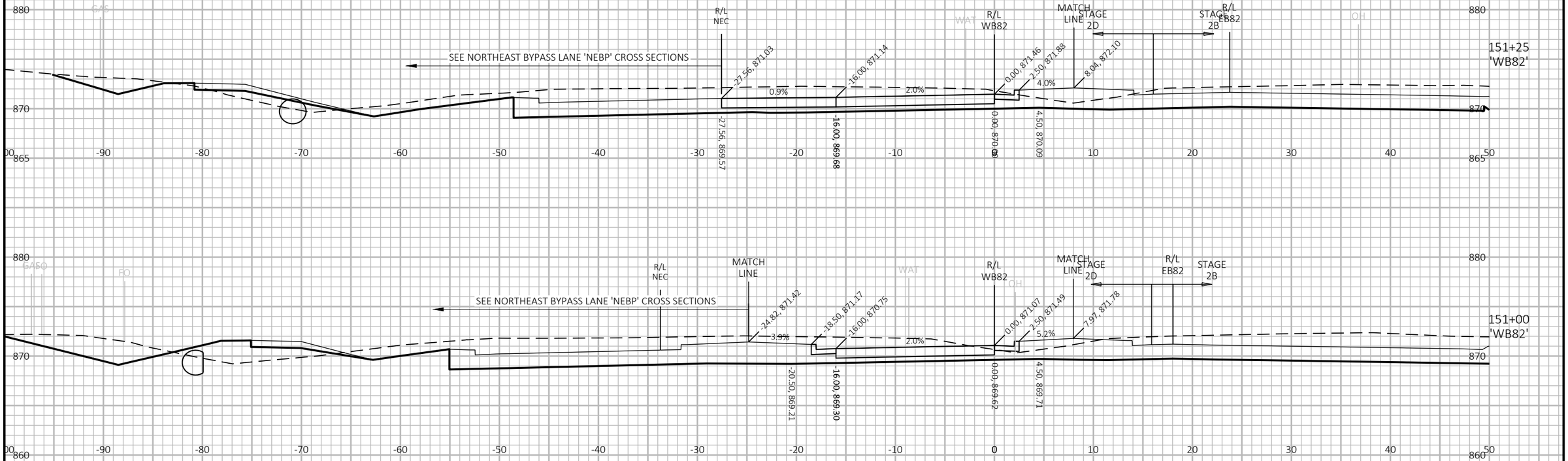
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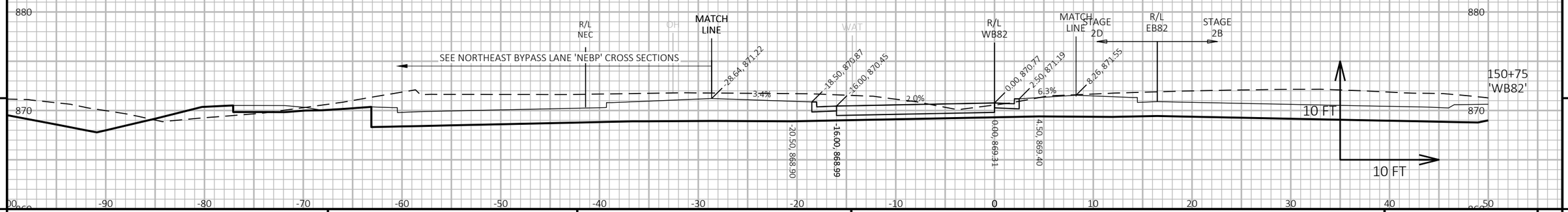
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1125	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090237-xs

PLOT DATE : 10/24/2021 2:30 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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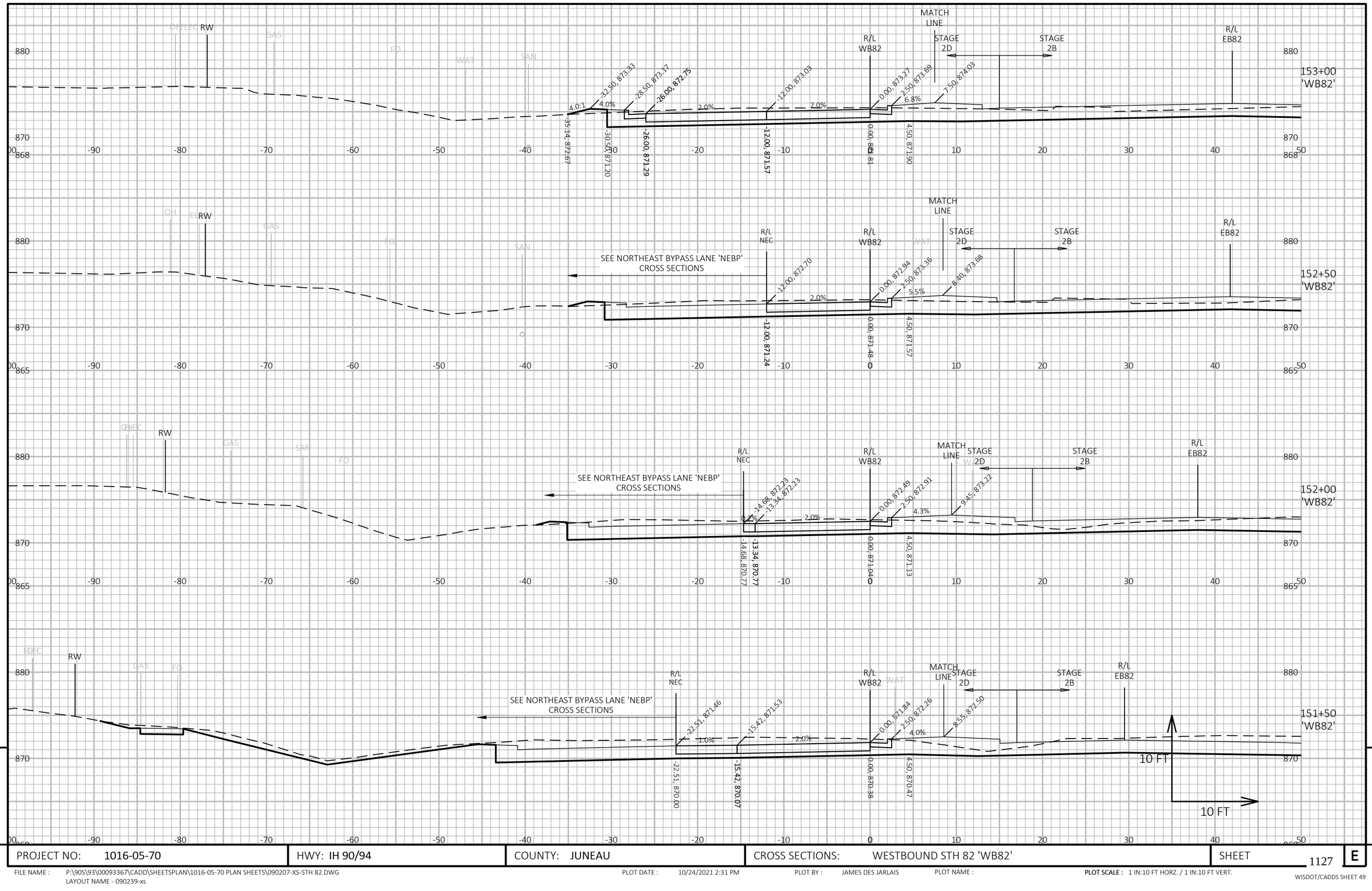
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1126	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090238-xs

PLOT DATE : 10/24/2021 2:30 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

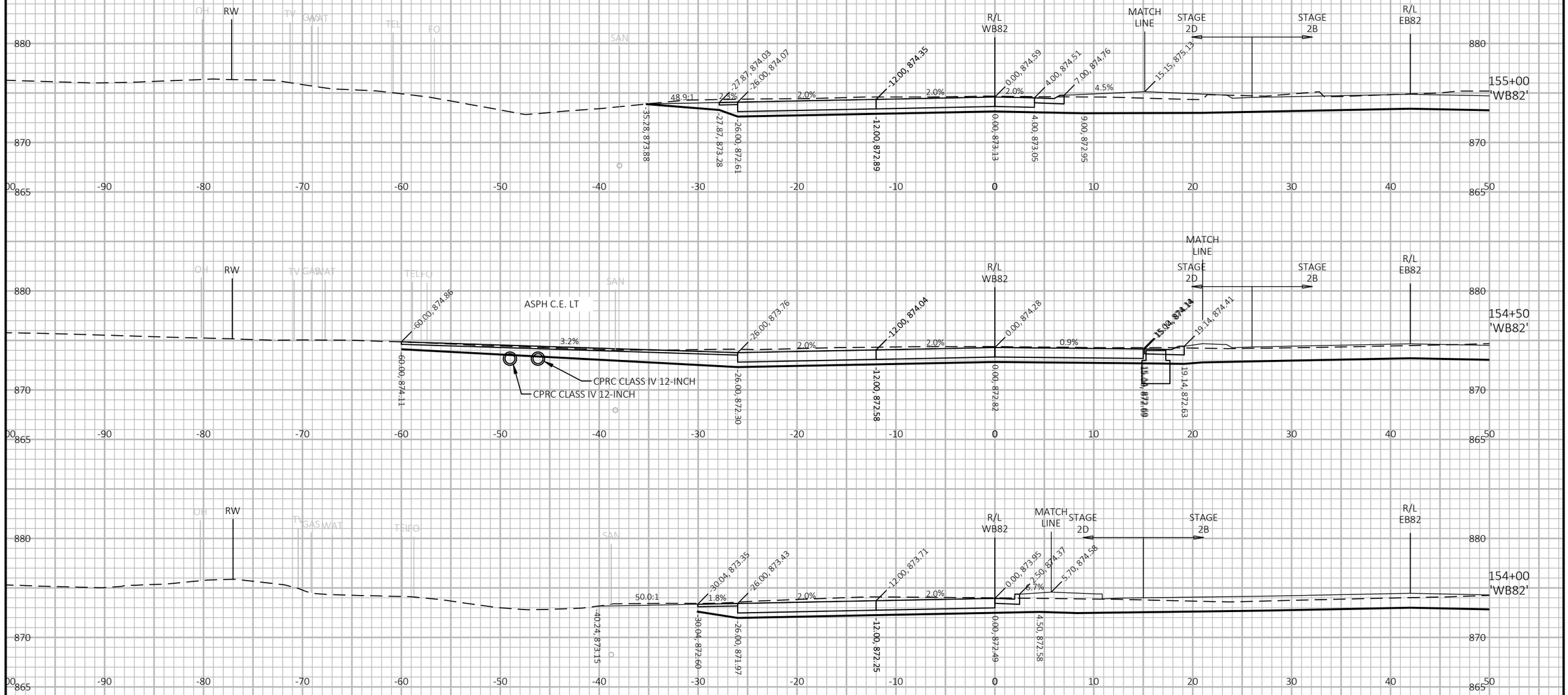


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1127	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090239-xs

PLOT DATE : 10/24/2021 2:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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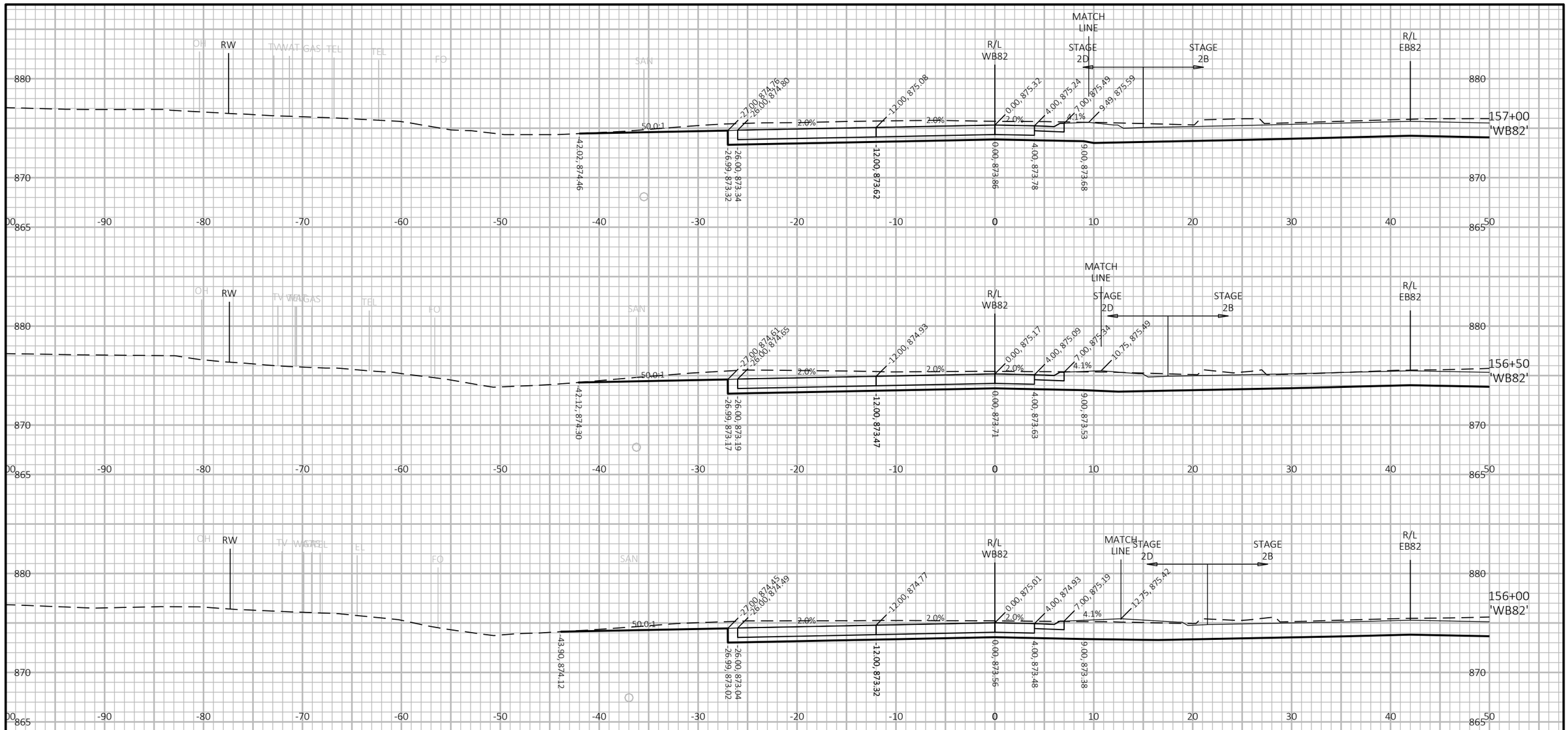
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1128	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090240-xs

PLOT DATE : 10/24/2021 2:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

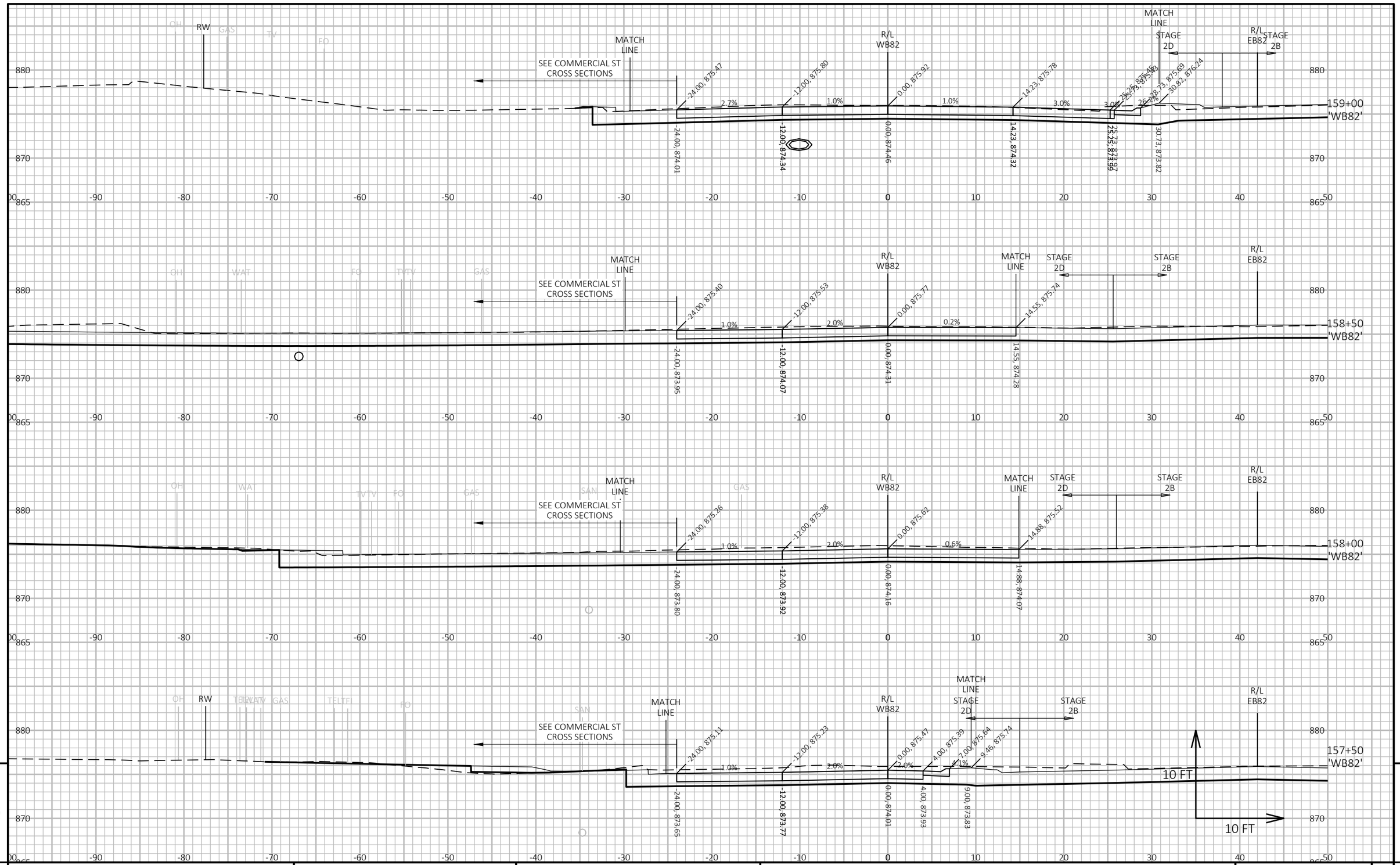
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1129	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090241-xs

PLOT DATE : 10/24/2021 2:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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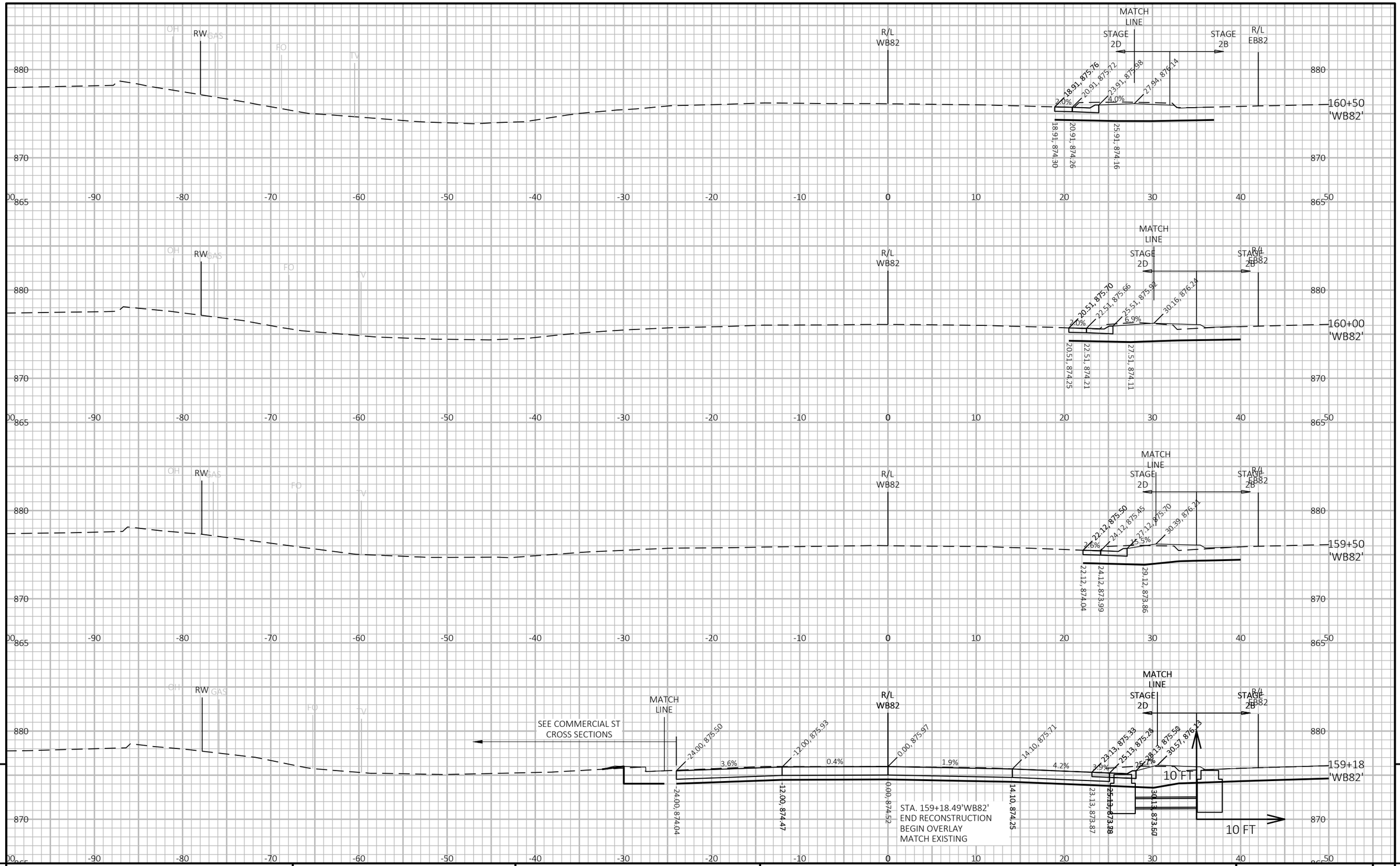
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1130	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090242-xs

PLOT DATE : 10/24/2021 2:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

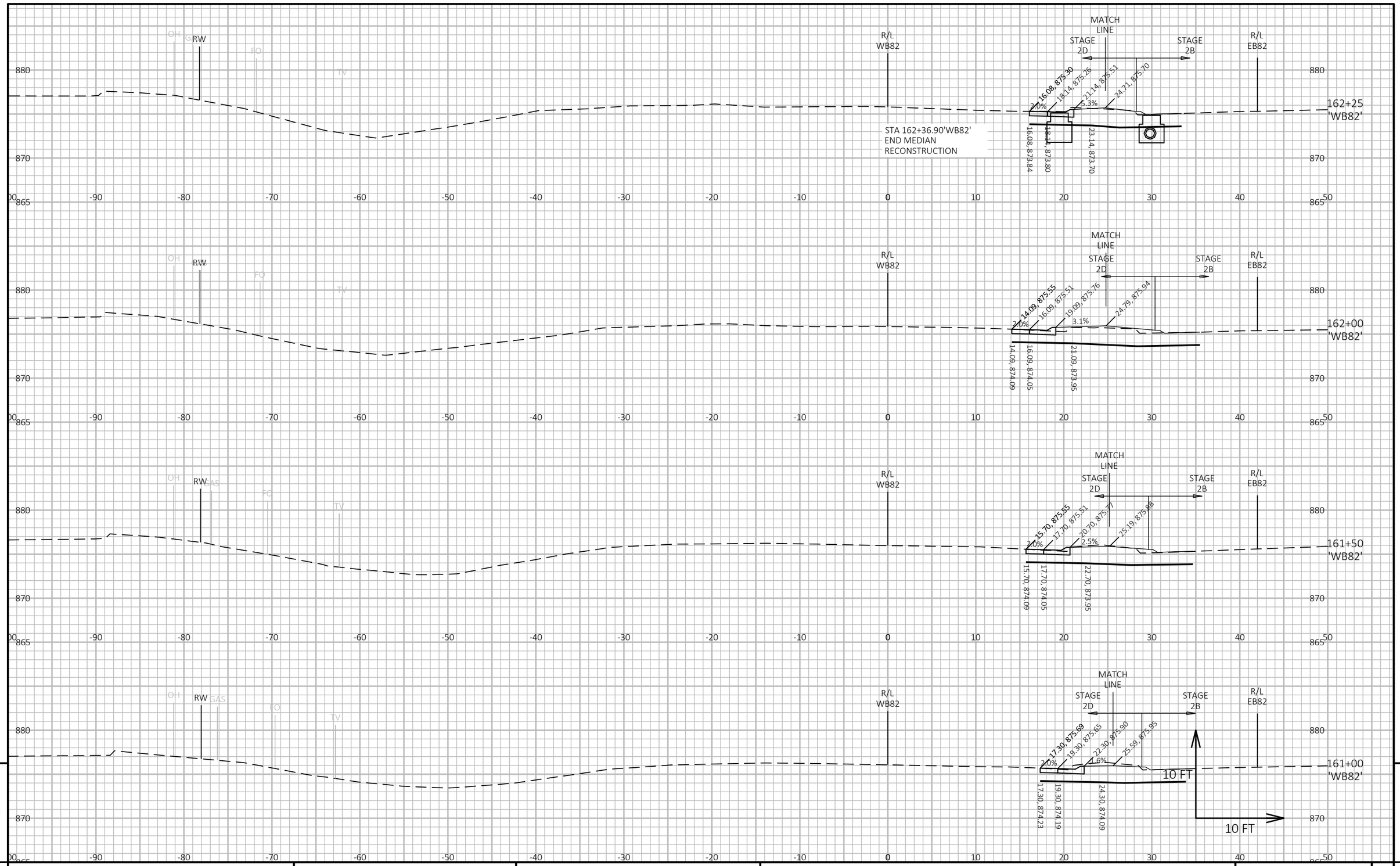
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1131	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090243-xs

PLOT DATE : 10/24/2021 2:32 PM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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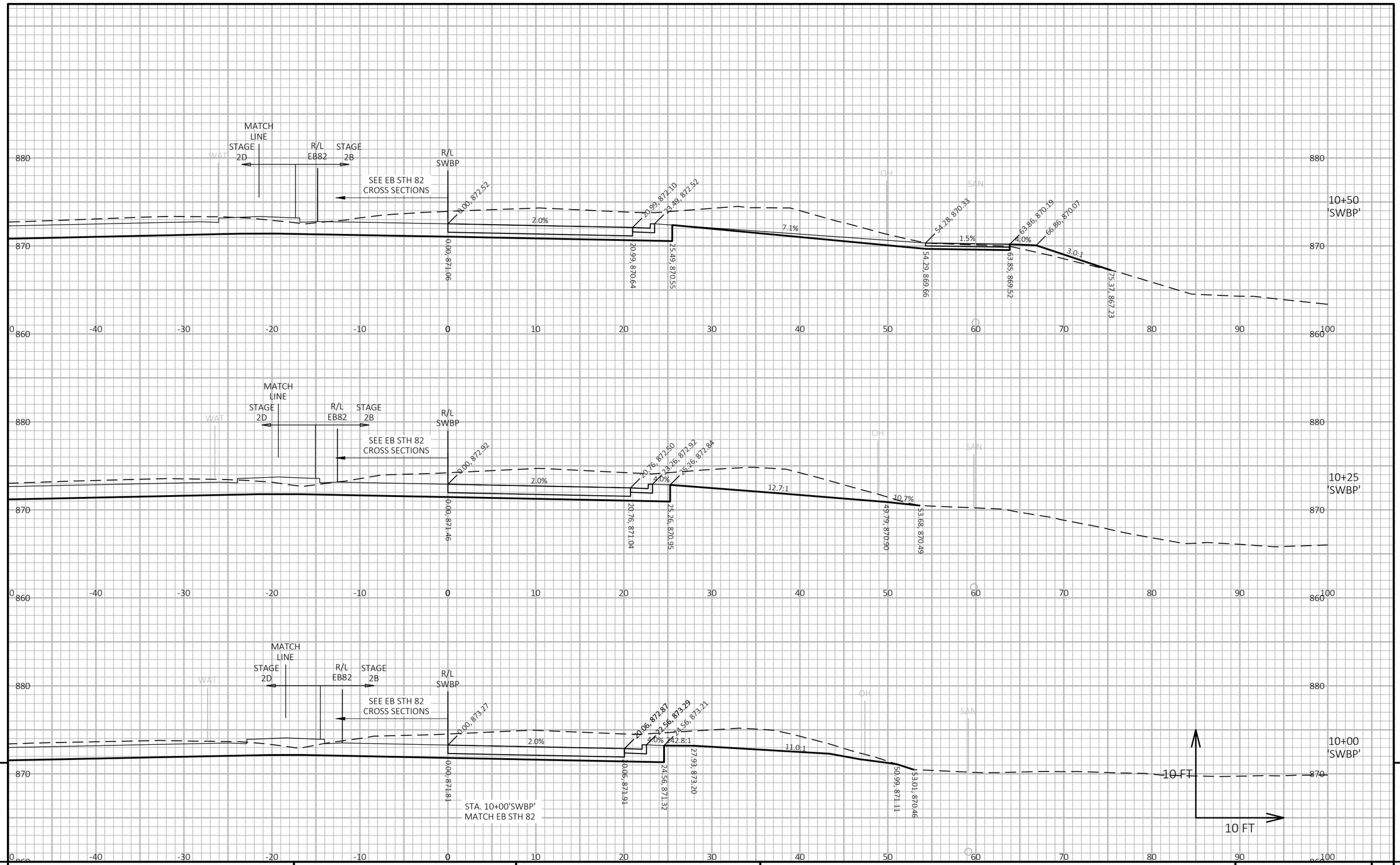
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WESTBOUND STH 82 'WB82'	SHEET 1132	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090244-xs

PLOT DATE : 10/24/2021 2:32 PM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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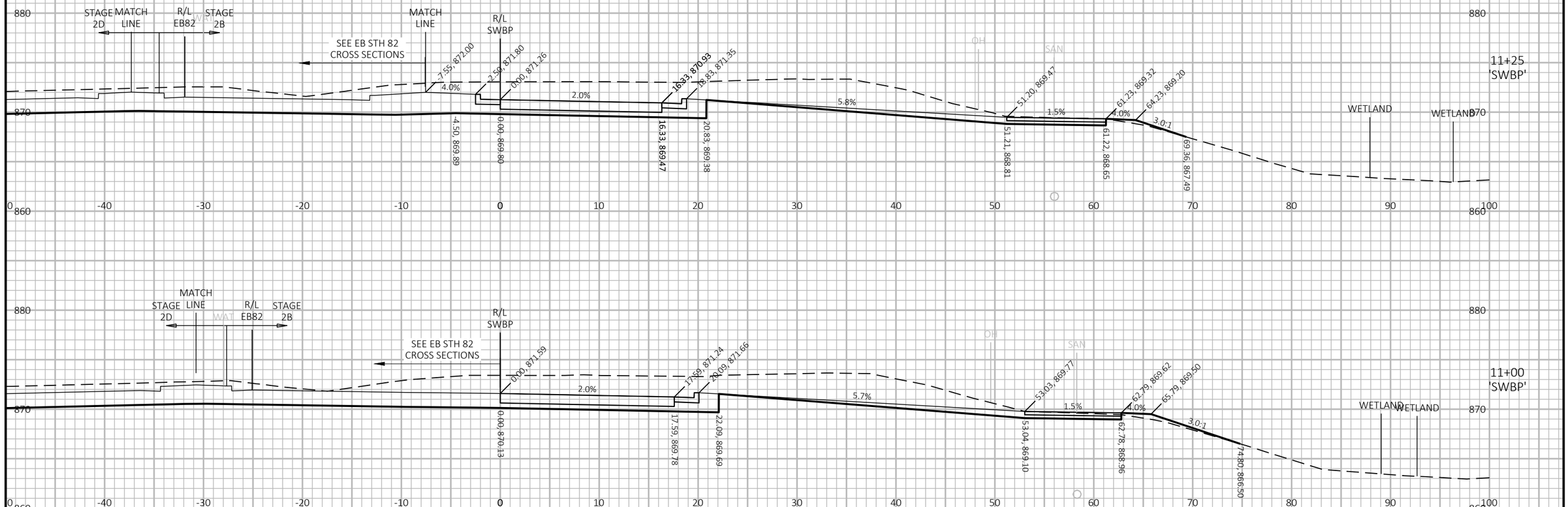
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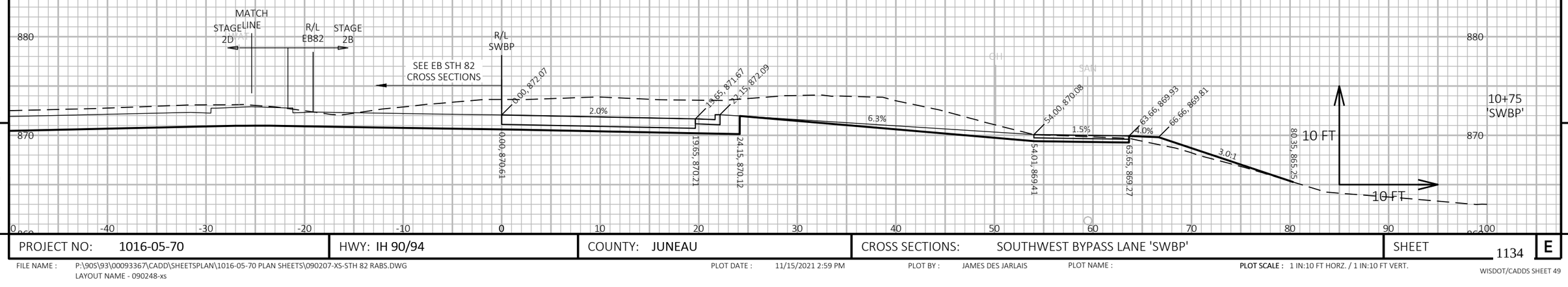
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: SOUTHWEST BYPASS LANE 'SWBP'	SHEET 1133	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090247-xs

PLOT DATE : 11/15/2021 2:58 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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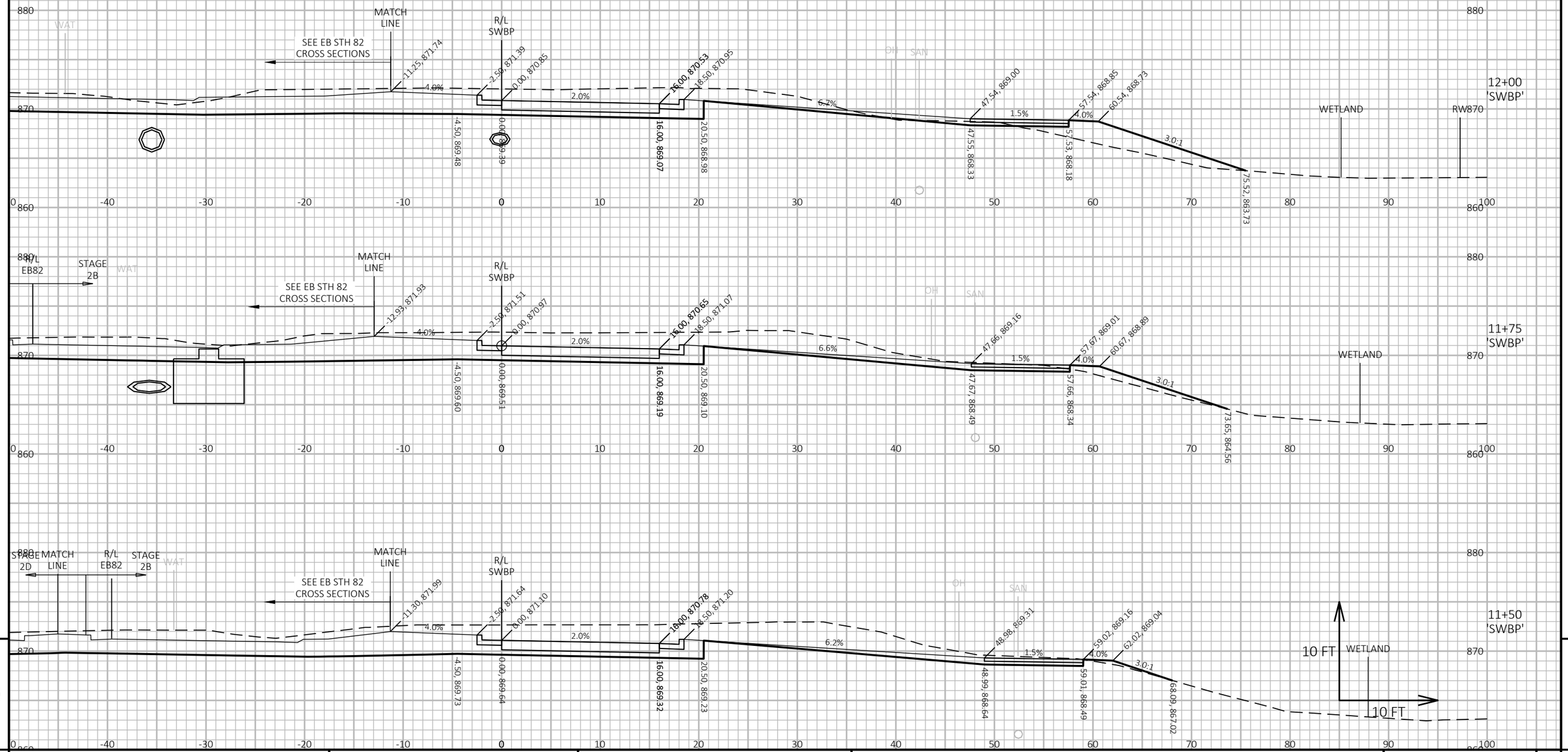
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: SOUTHWEST BYPASS LANE 'SWBP'	SHEET 1134	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090248-xs

PLOT DATE : 11/15/2021 2:59 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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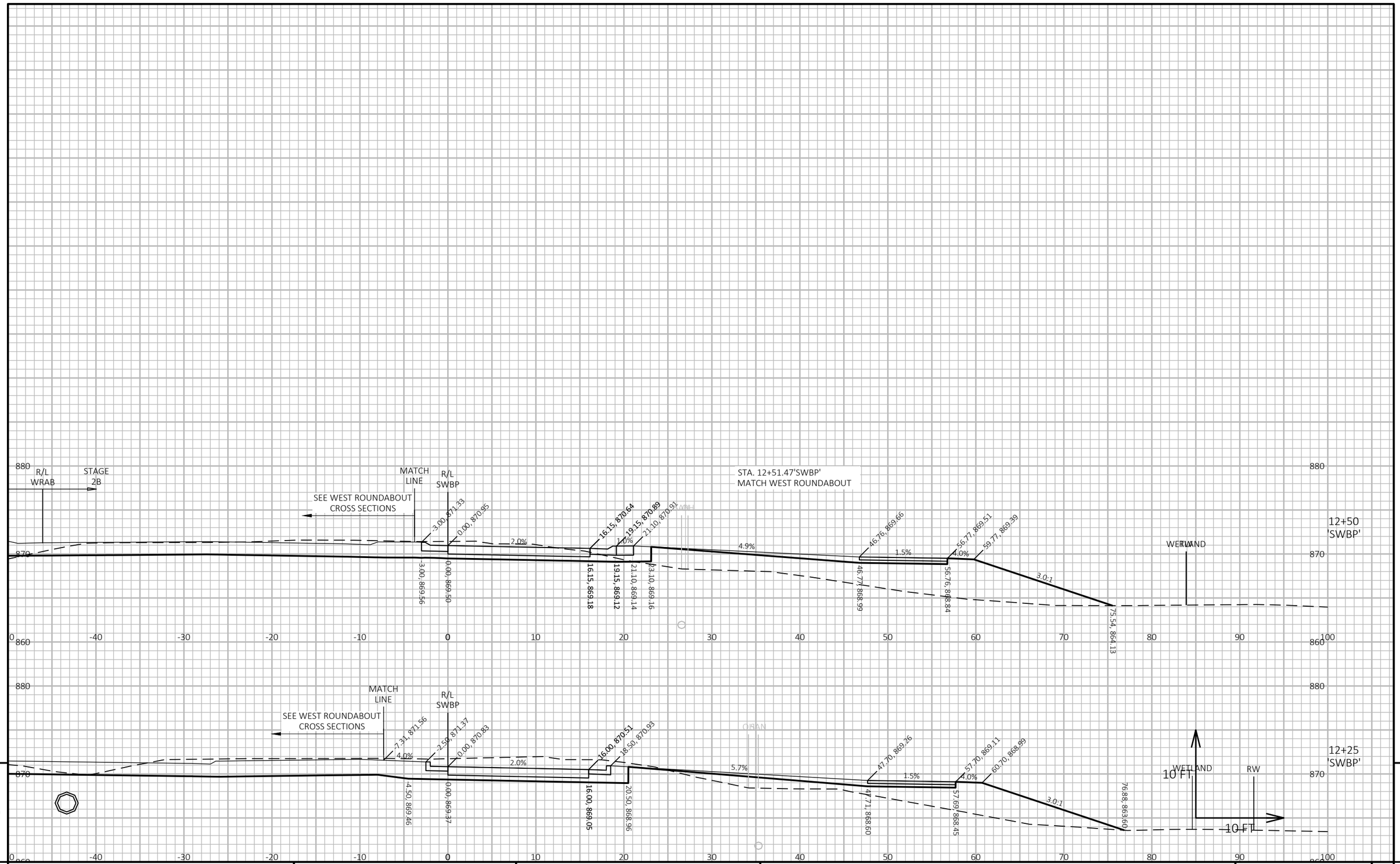
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: SOUTHWEST BYPASS LANE 'SWBP'	SHEET 1135	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090249-xs

PLOT DATE : 11/15/2021 2:59 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

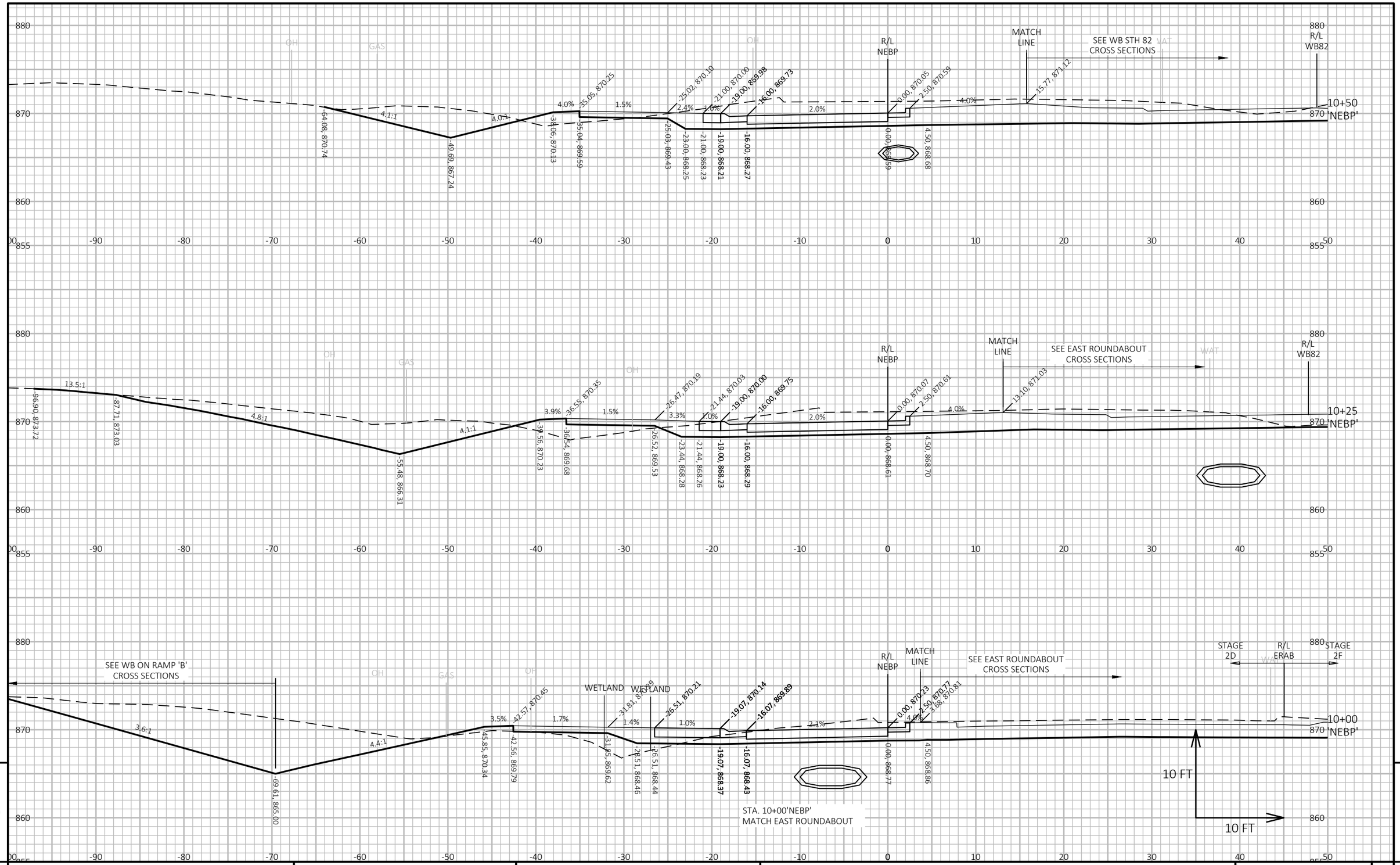
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: SOUTHWEST BYPASS LANE 'SWBP'	SHEET 1136	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090250-xs

PLOT DATE : 11/15/2021 2:59 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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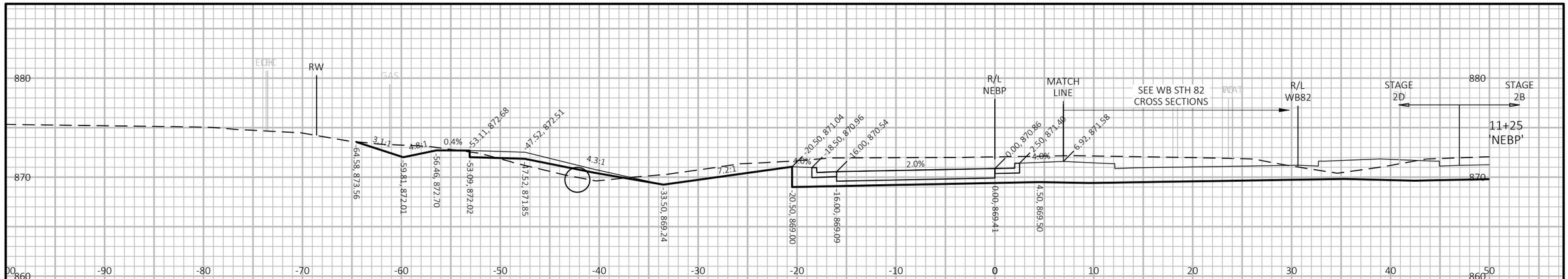
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: NORTHEAST BYPASS LANE 'NEBP'	SHEET 1137	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090251-xs

PLOT DATE : 11/15/2021 3:11 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

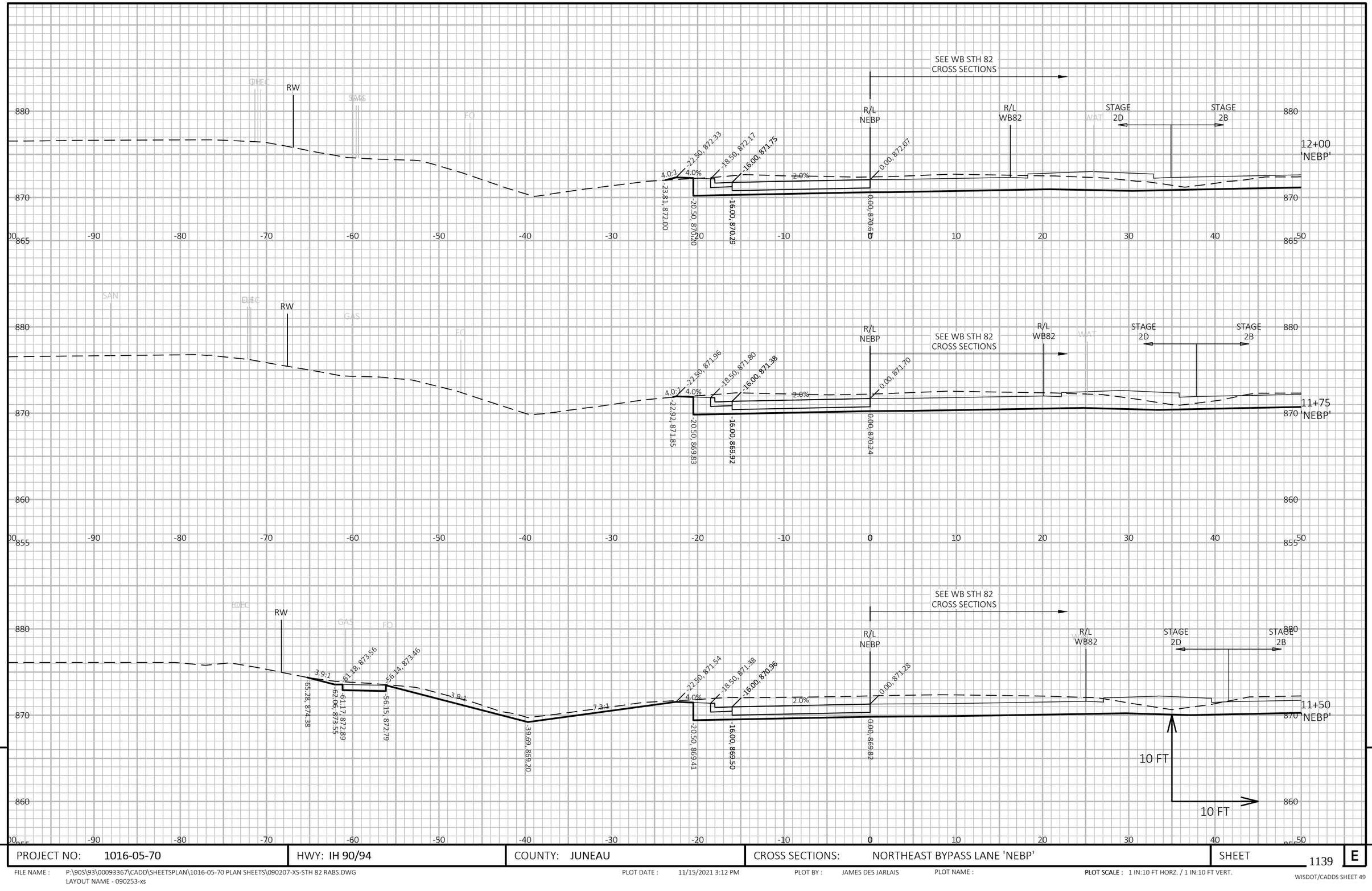


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: NORTHEAST BYPASS LANE 'NEBP'	SHEET 1138 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090252-xs

PLOT DATE : 11/15/2021 3:12 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

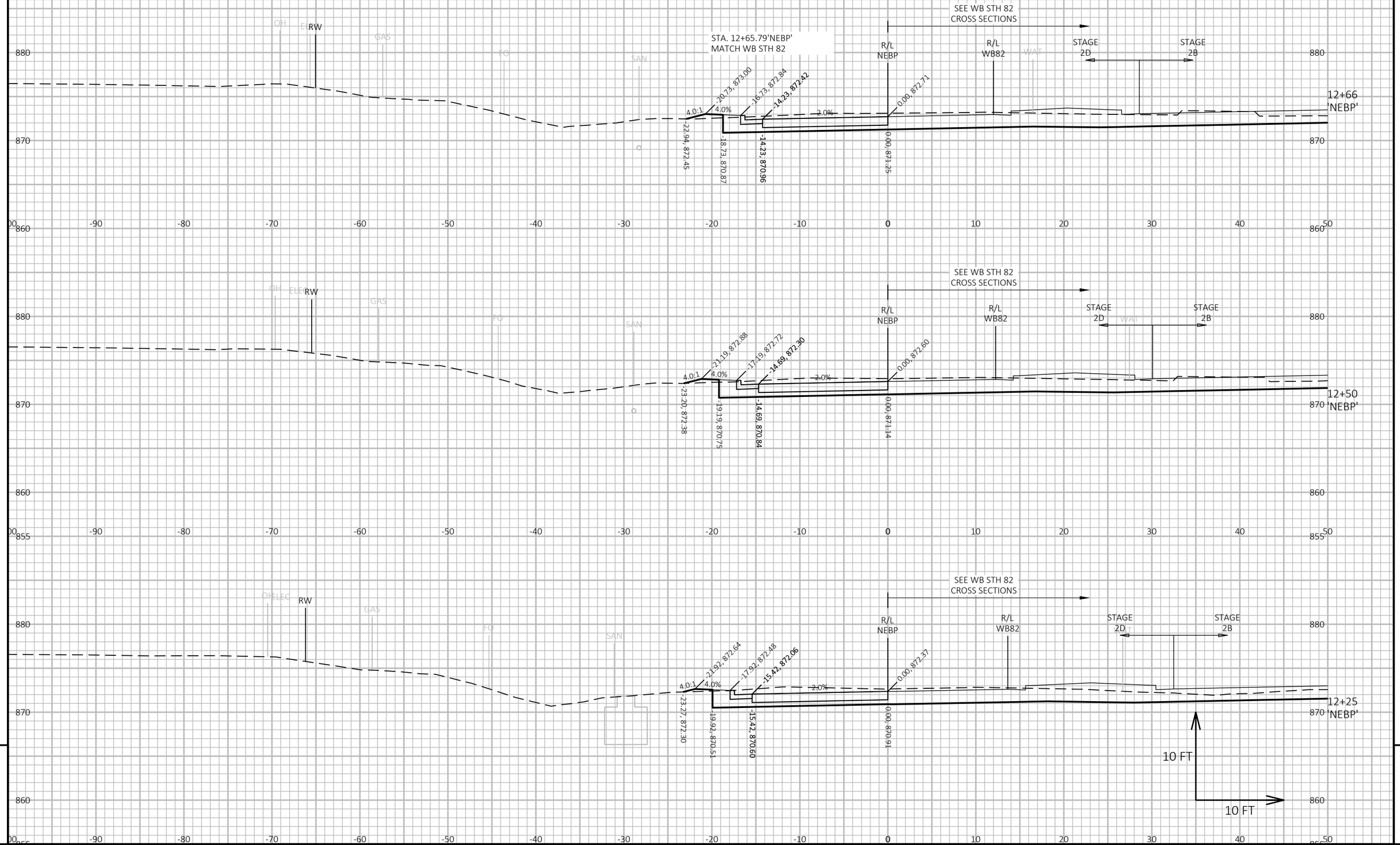


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: NORTHEAST BYPASS LANE 'NEBP'	SHEET 1139 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090253-xs

PLOT DATE : 11/15/2021 3:12 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

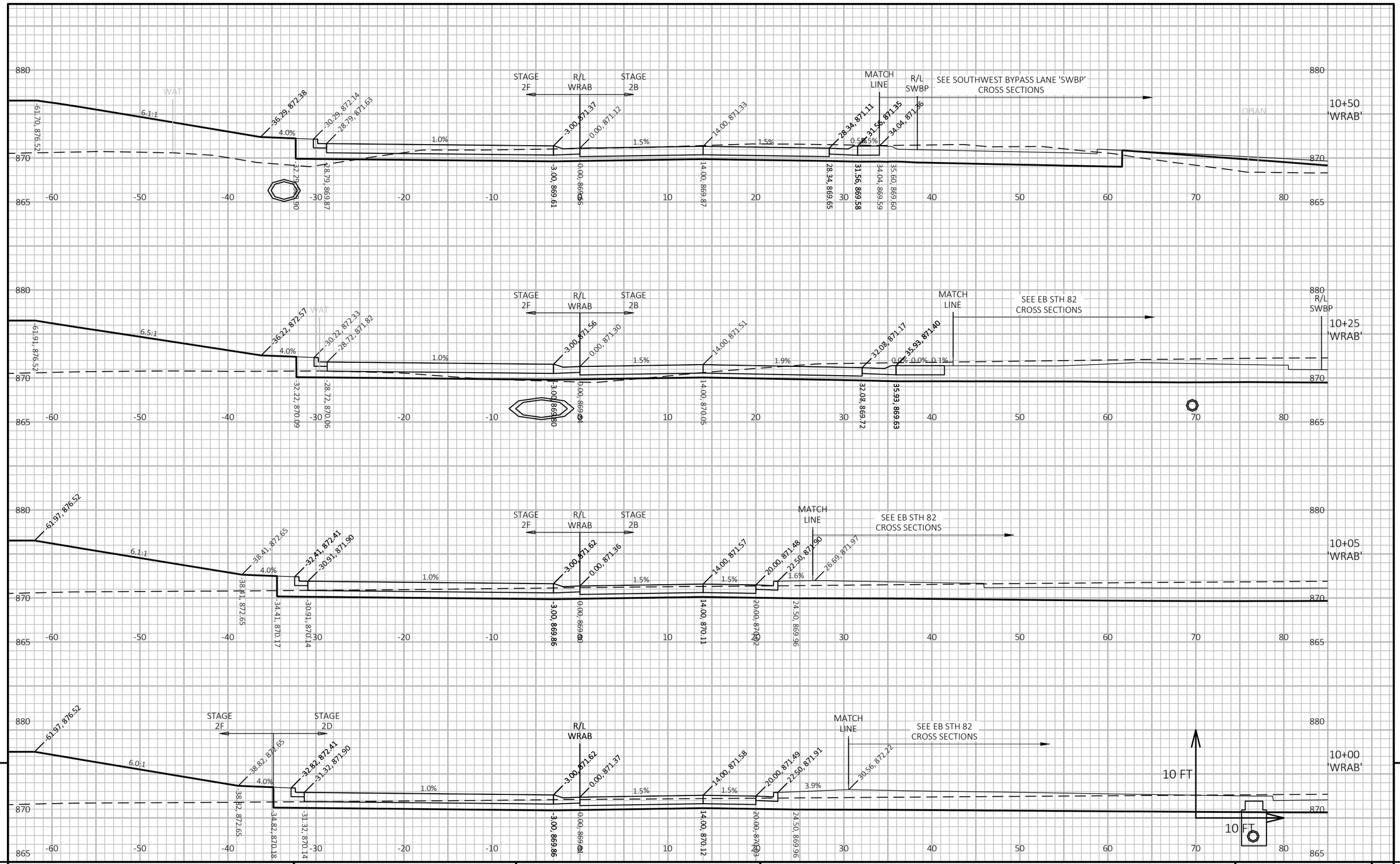


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: NORTHEAST BYPASS LANE 'NEBP'	SHEET 1140 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090254-xs

PLOT DATE : 11/15/2021 3:12 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

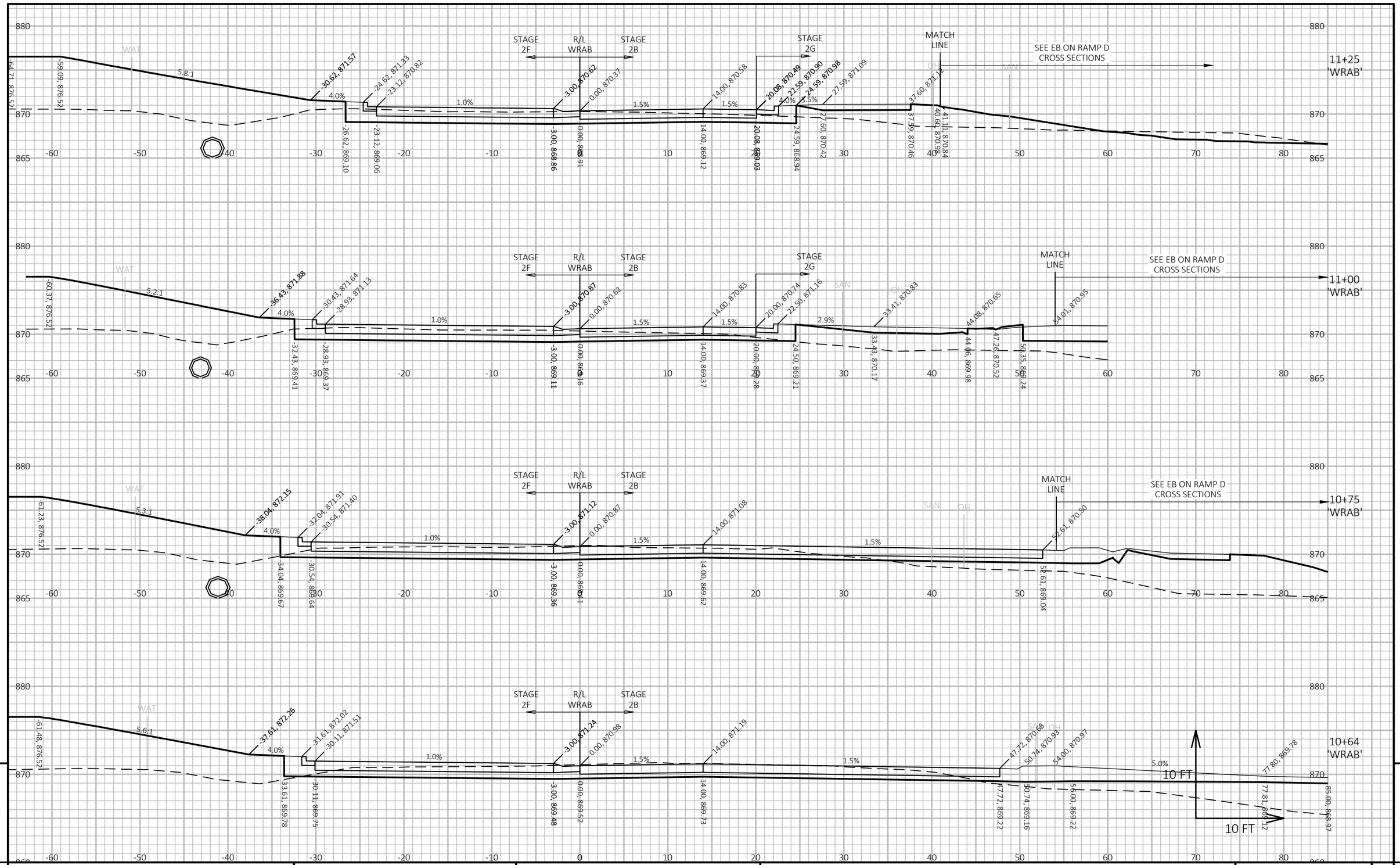


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WEST RAB 'WRAB'	SHEET 1141 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090255-xs

PLOT DATE : 11/15/2021 4:06 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

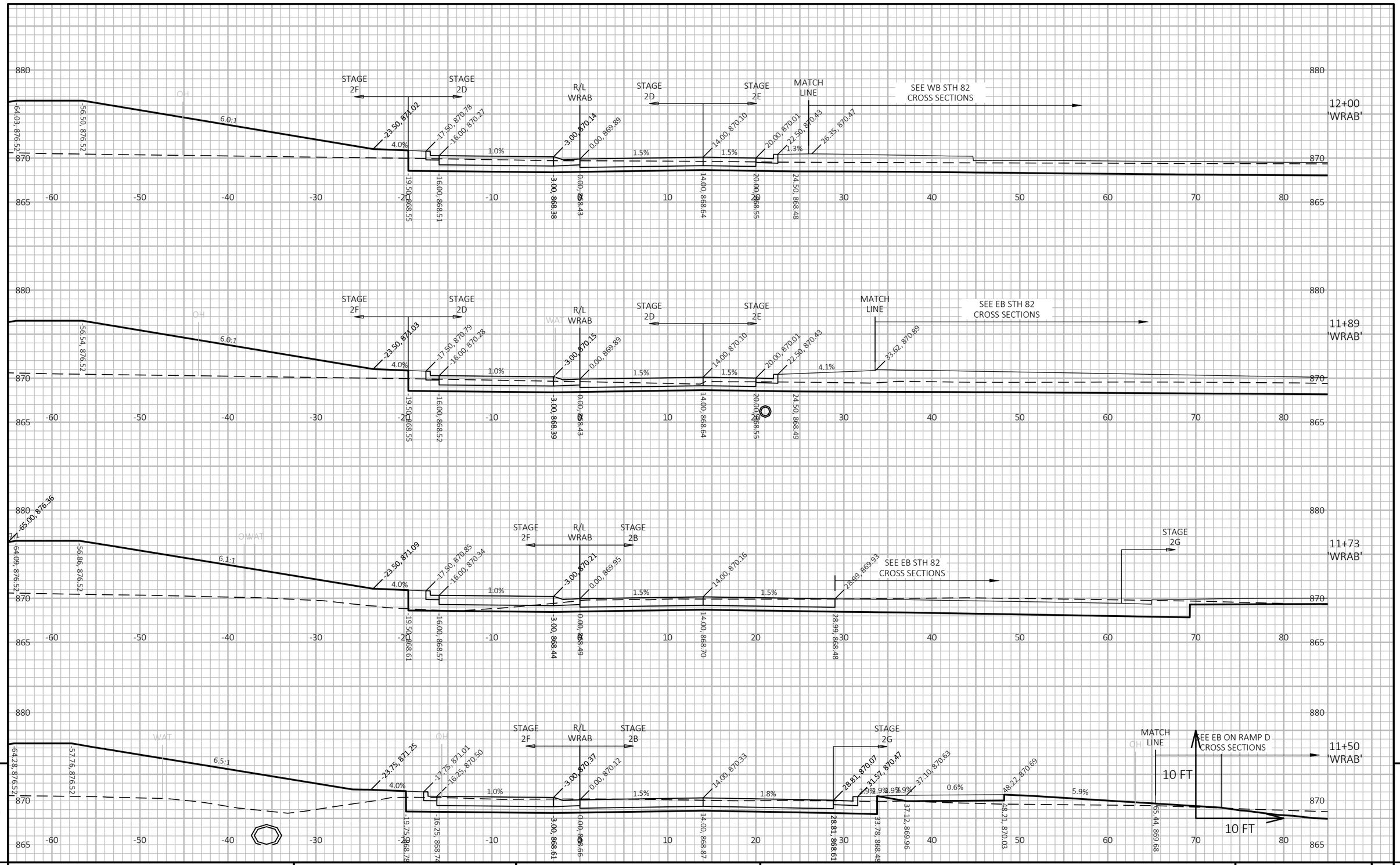
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WEST RAB 'WRAB'	SHEET 1142	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090256-xs

PLOT DATE : 11/15/2021 4:06 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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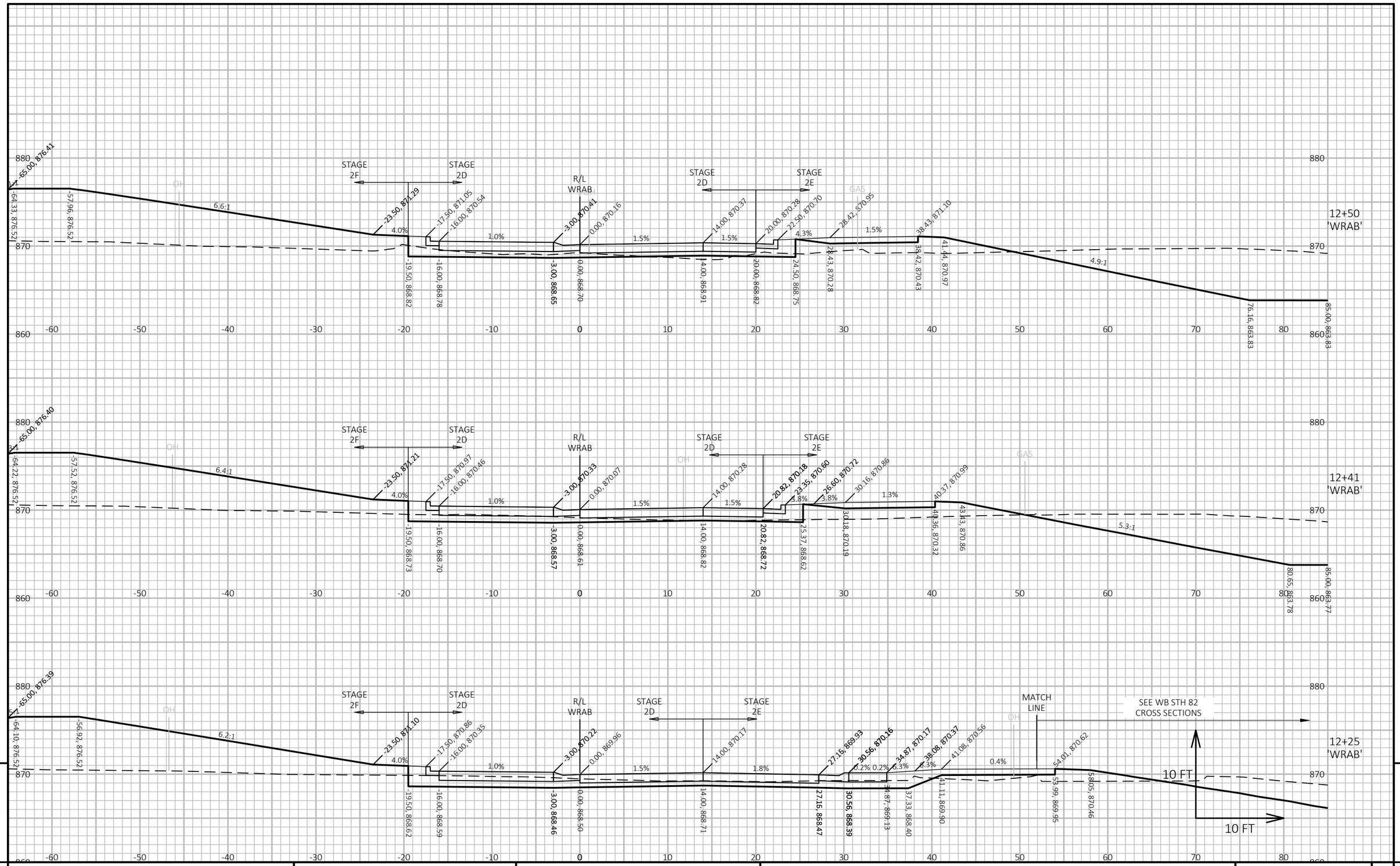
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WEST RAB 'WRAB'	SHEET 1143	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090257-xs

PLOT DATE : 11/15/2021 4:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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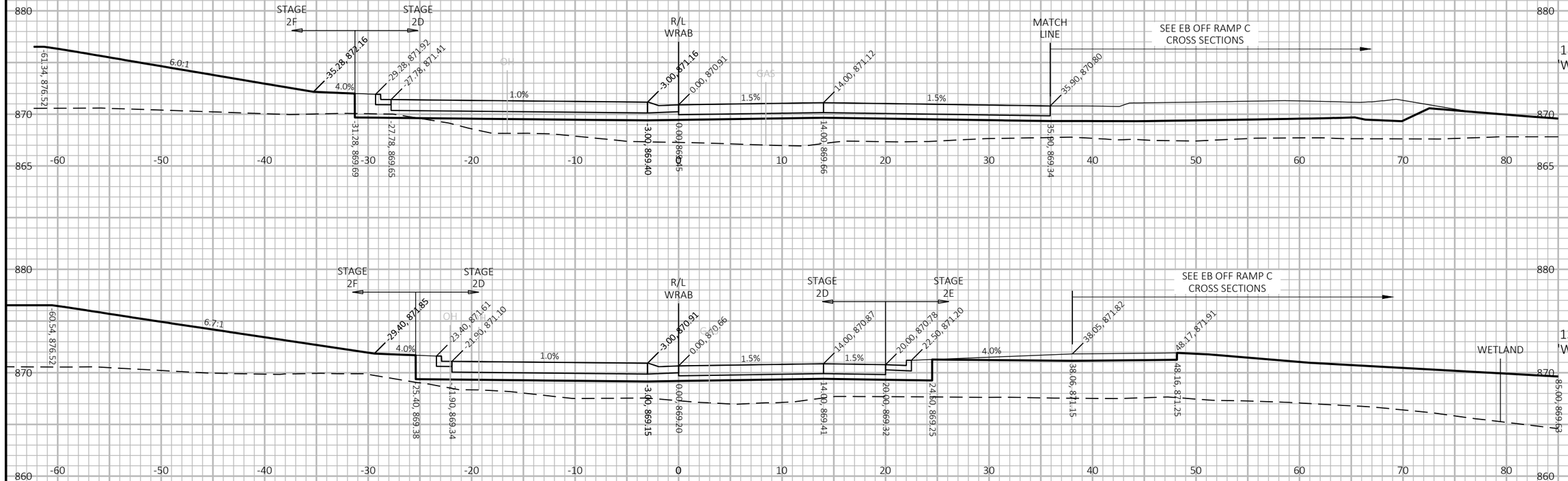
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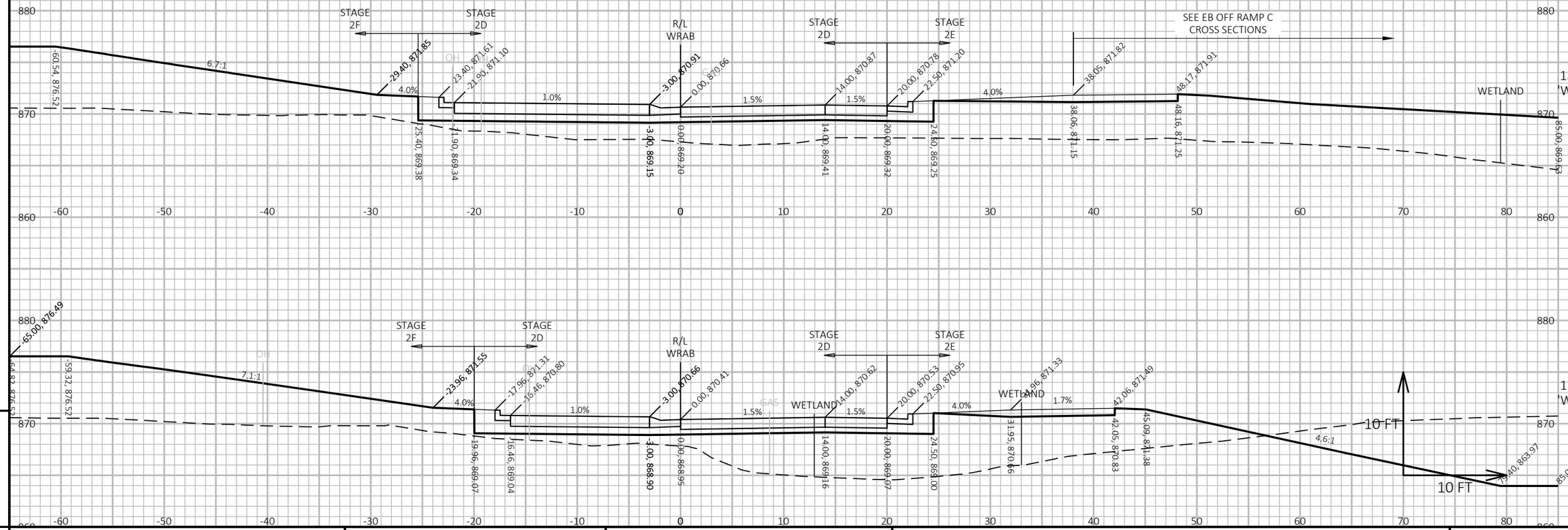
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WEST RAB 'WRAB'	SHEET 1144	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090258-xs

PLOT DATE : 11/15/2021 4:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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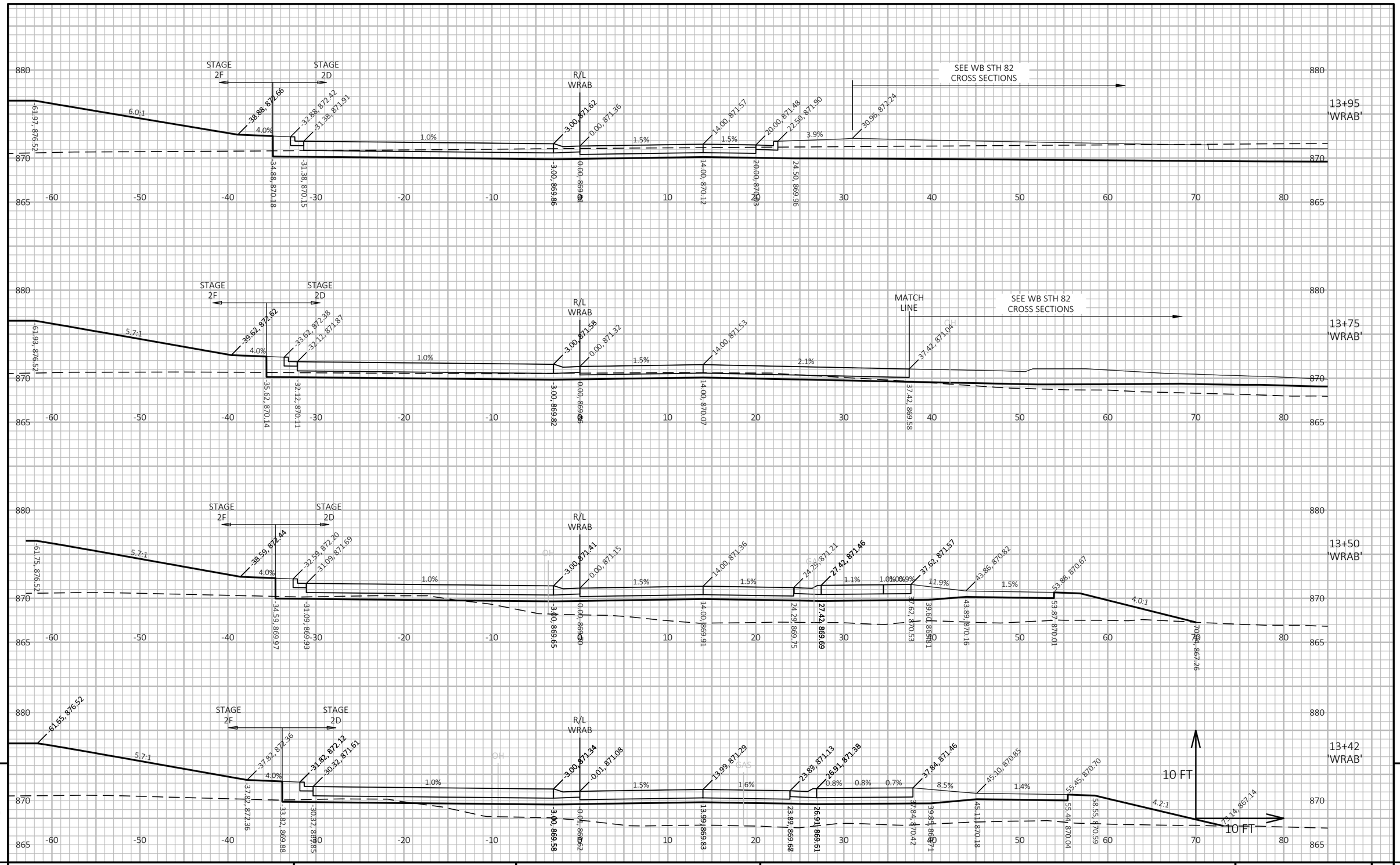
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WEST RAB 'WRAB'	SHEET 1145	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090259-xs

PLOT DATE : 11/15/2021 4:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

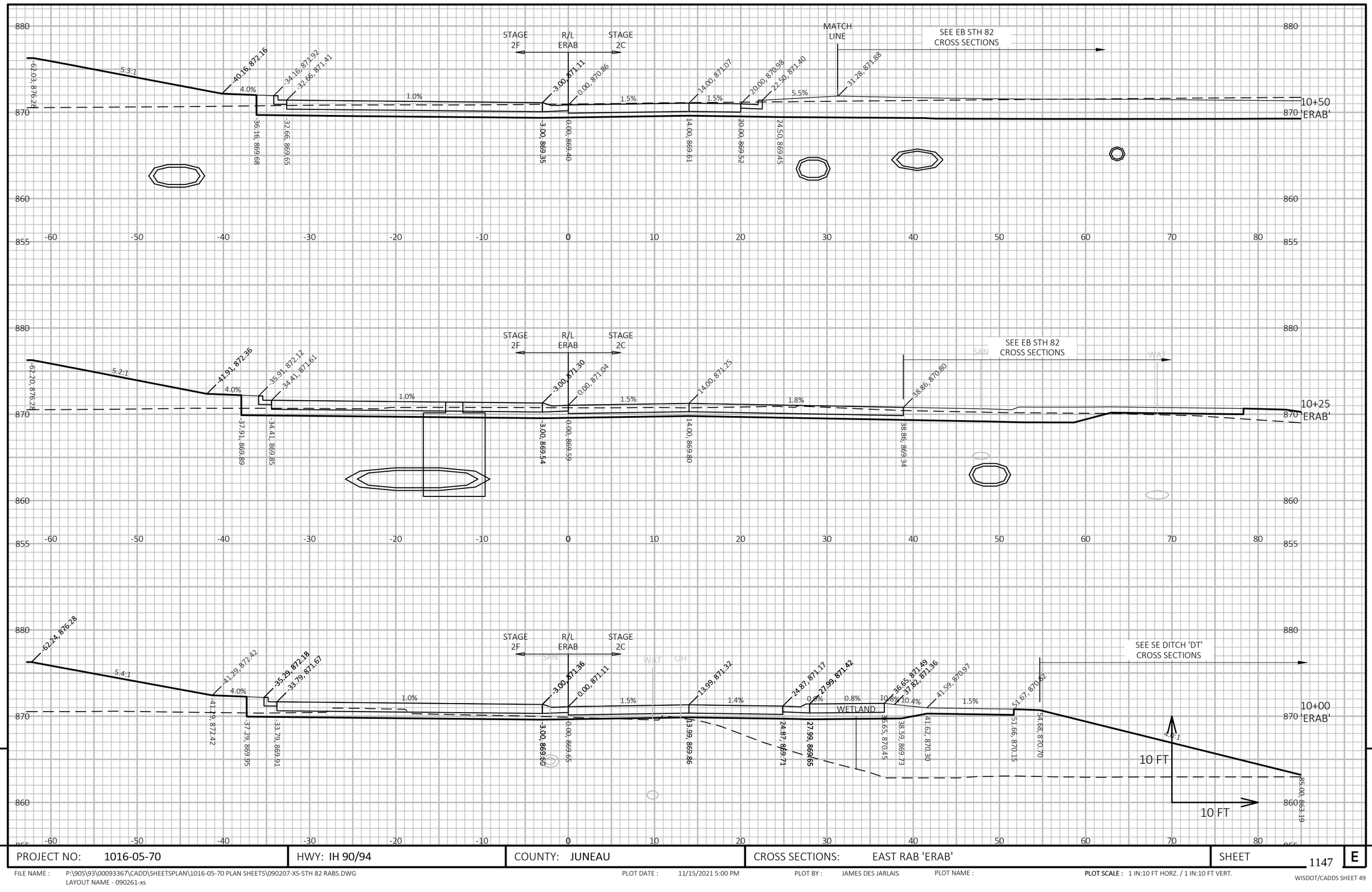


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WEST RAB 'WRAB'	SHEET 1146 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090260-xs

PLOT DATE : 11/15/2021 4:07 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

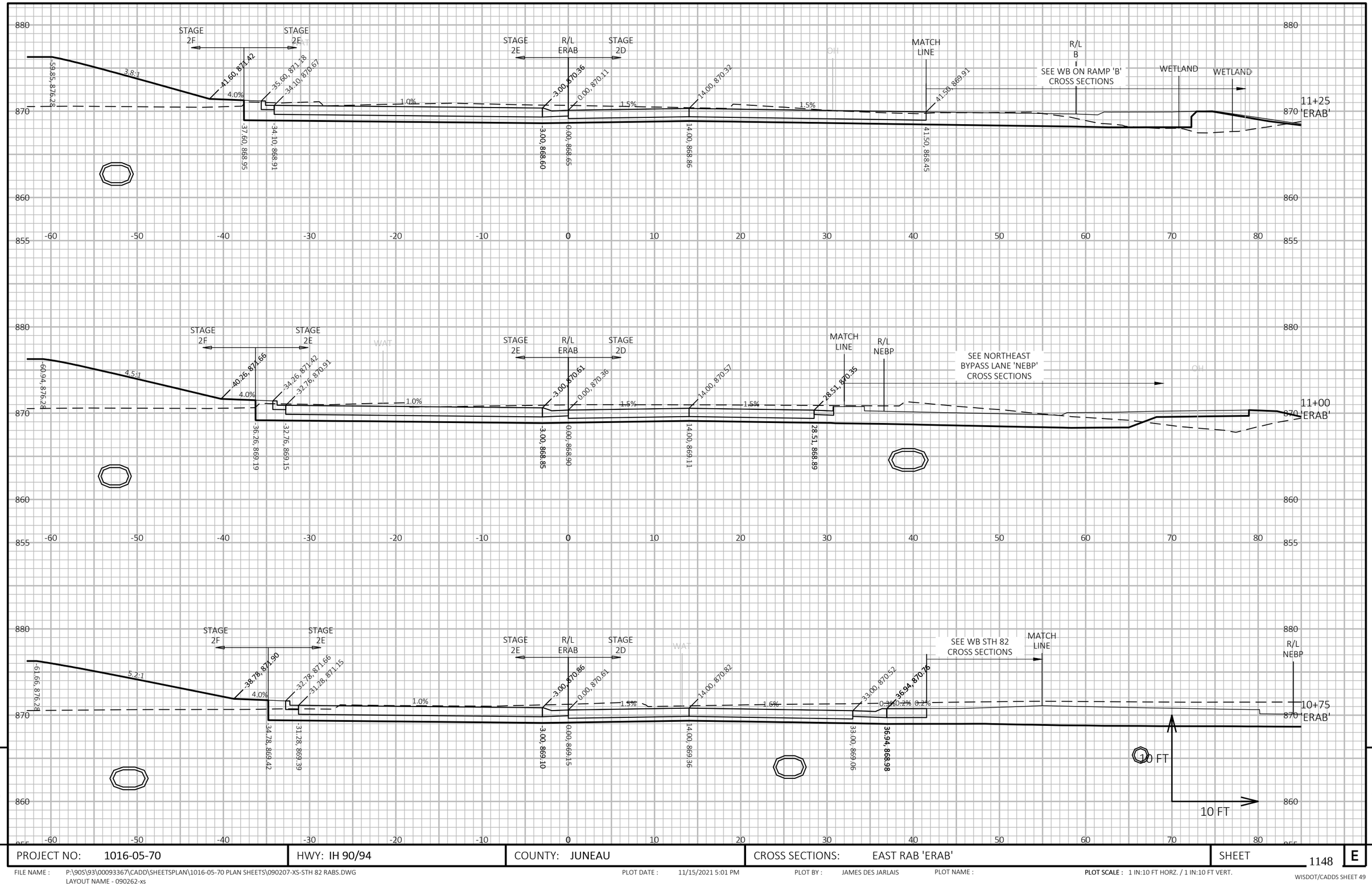


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EAST RAB 'ERAB'	SHEET 1147 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090261-xs

PLOT DATE : 11/15/2021 5:00 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

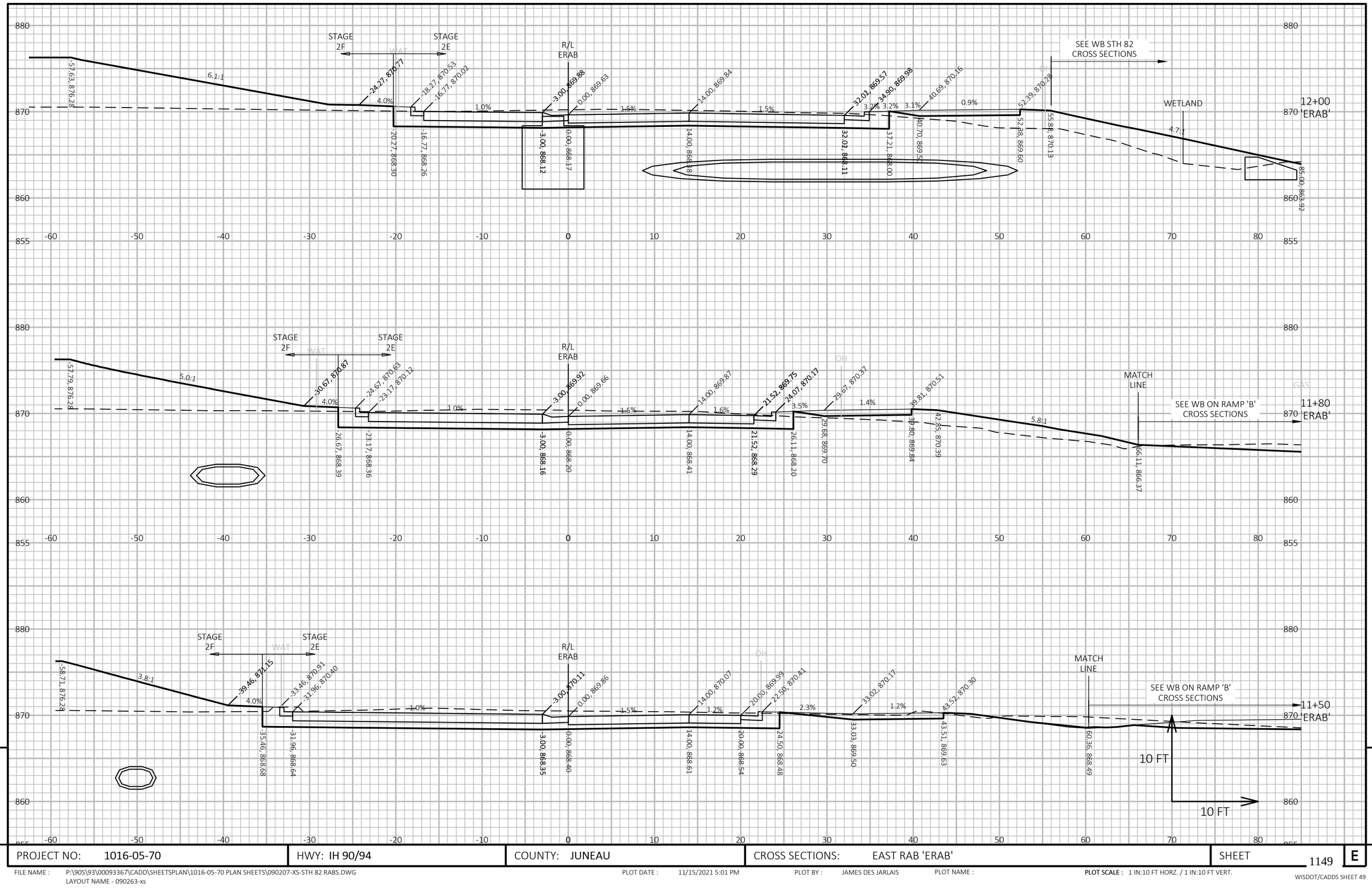


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EAST RAB 'ERAB'	SHEET 1148 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090262-xs

PLOT DATE : 11/15/2021 5:01 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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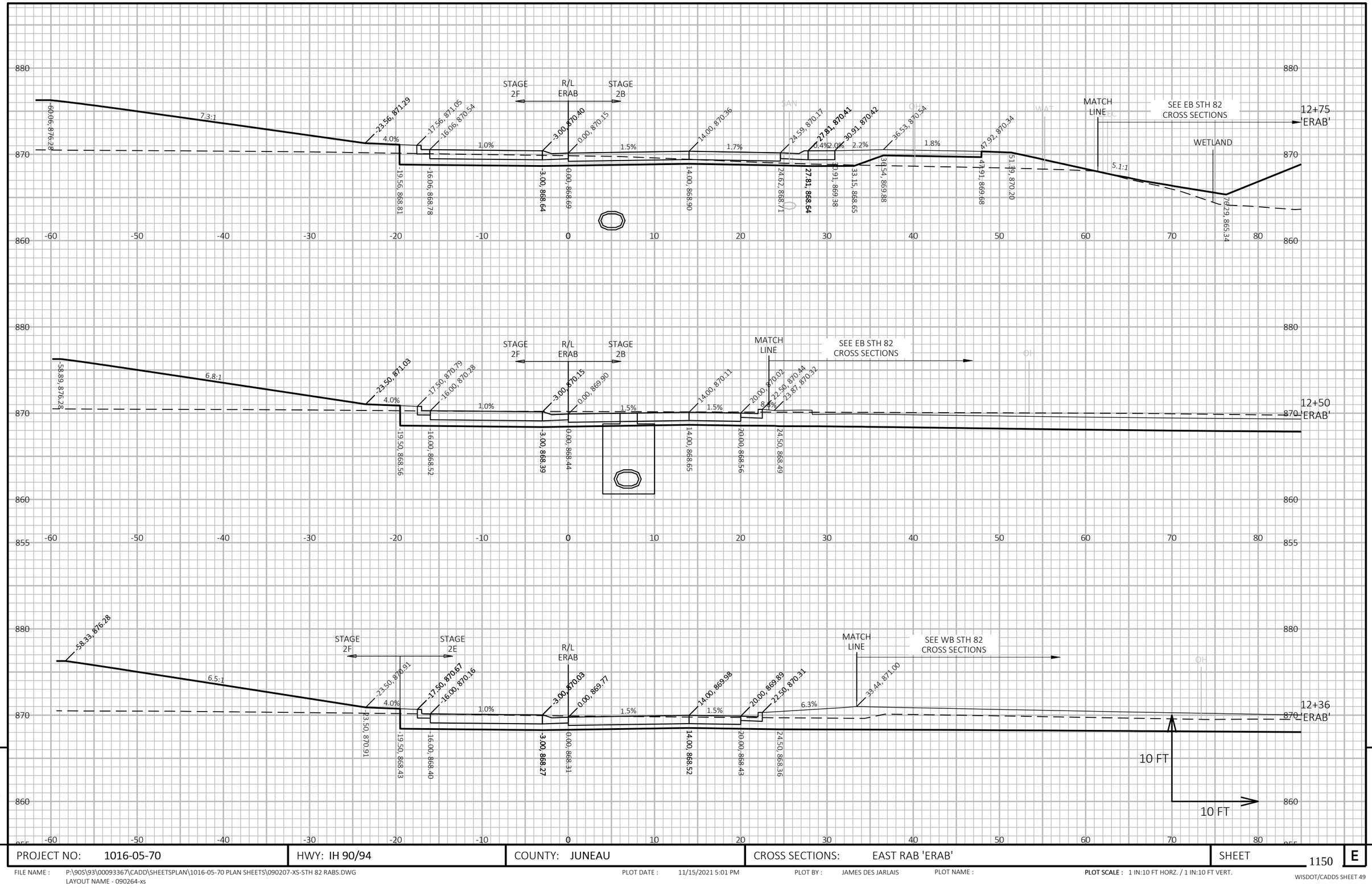
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EAST RAB 'ERAB'	SHEET 1149	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090263-xs

PLOT DATE : 11/15/2021 5:01 PM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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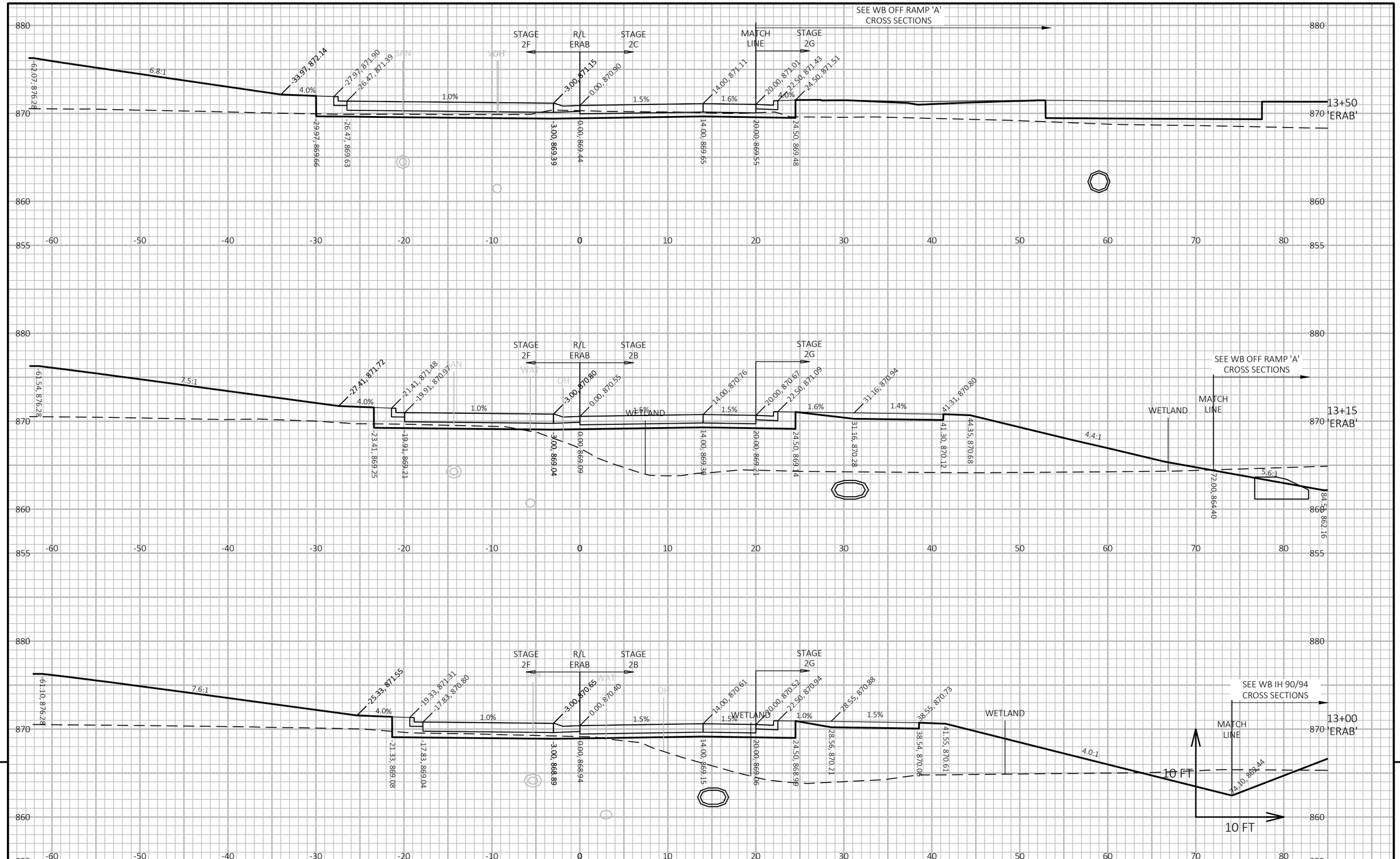
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EAST RAB 'ERAB'	SHEET 1150	E

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LAYOUT NAME - 090264-xs

PLOT DATE : 11/15/2021 5:01 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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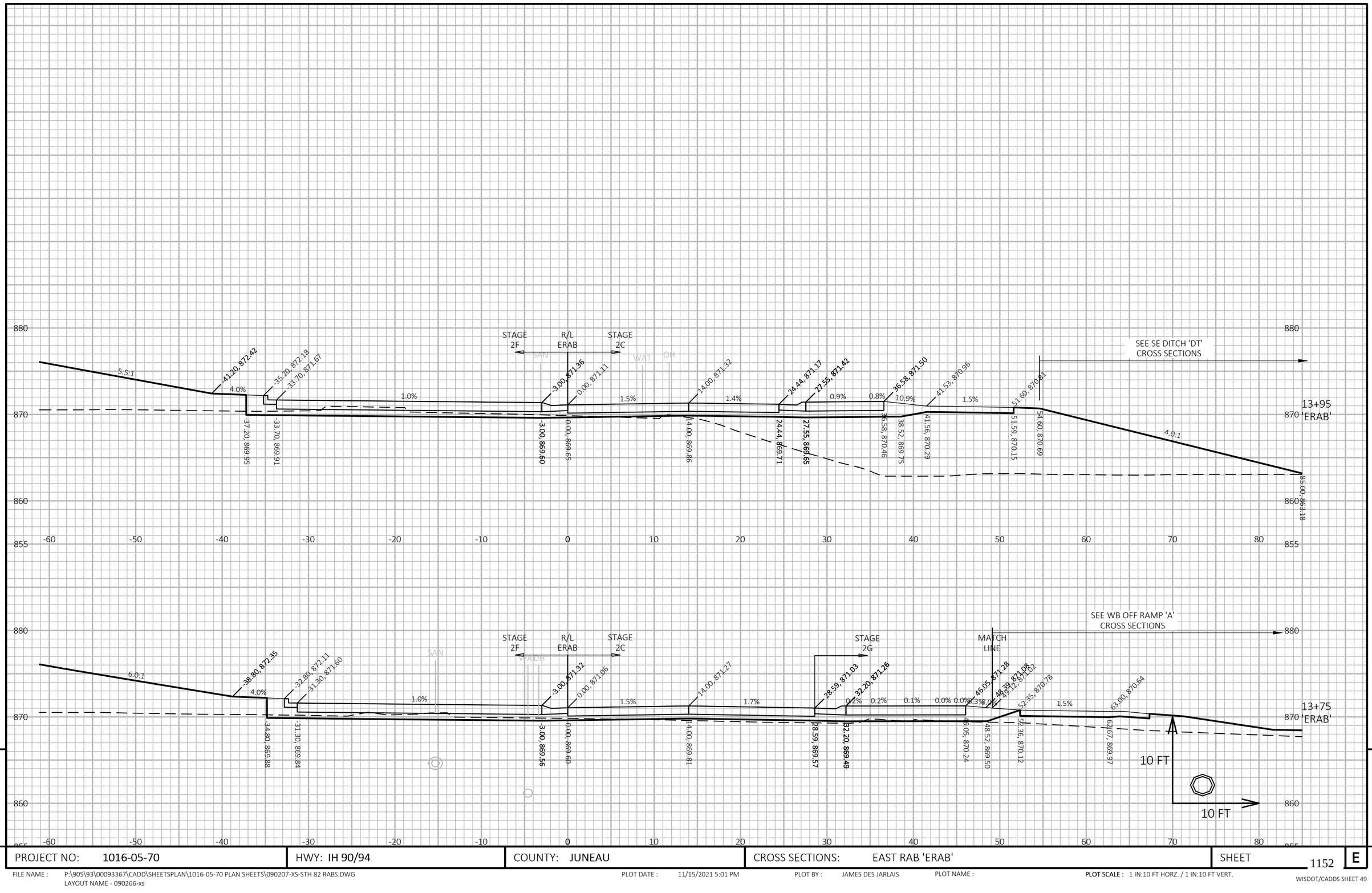
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EAST RAB 'ERAB'	SHEET 1151	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090265-xs

PLOT DATE : 11/15/2021 5:01 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

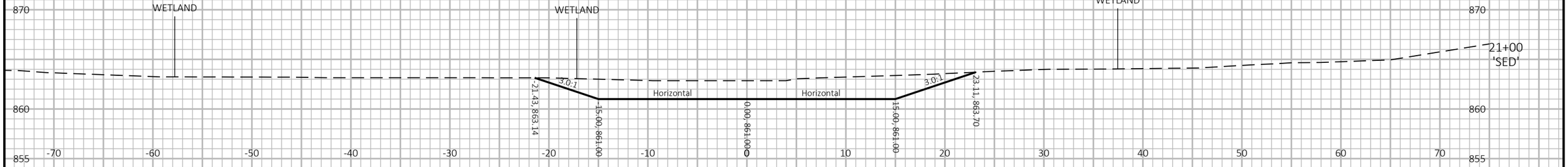


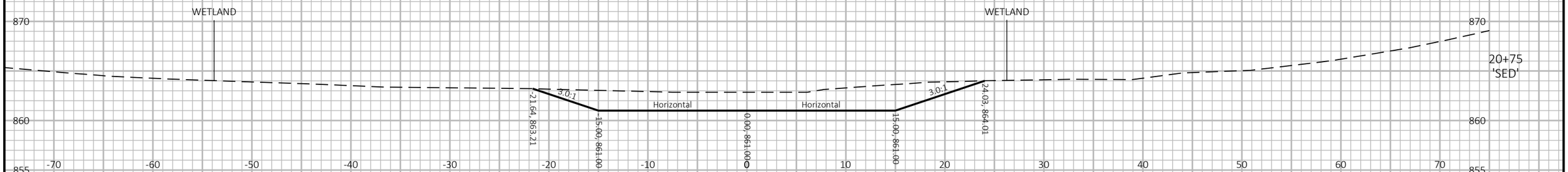
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EAST RAB 'ERAB'	SHEET 1152	E

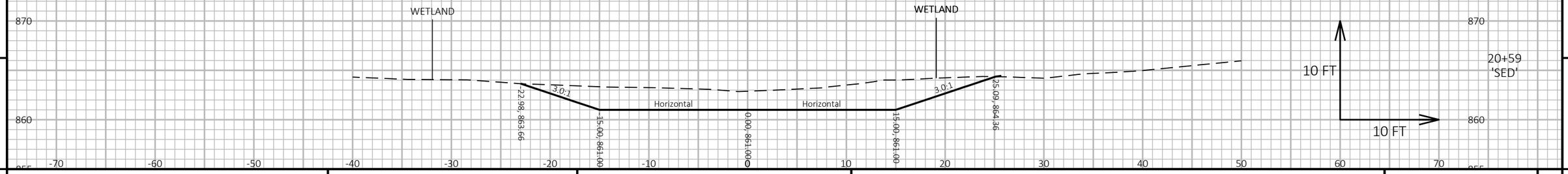
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090266-xs

PLOT DATE : 11/15/2021 5:01 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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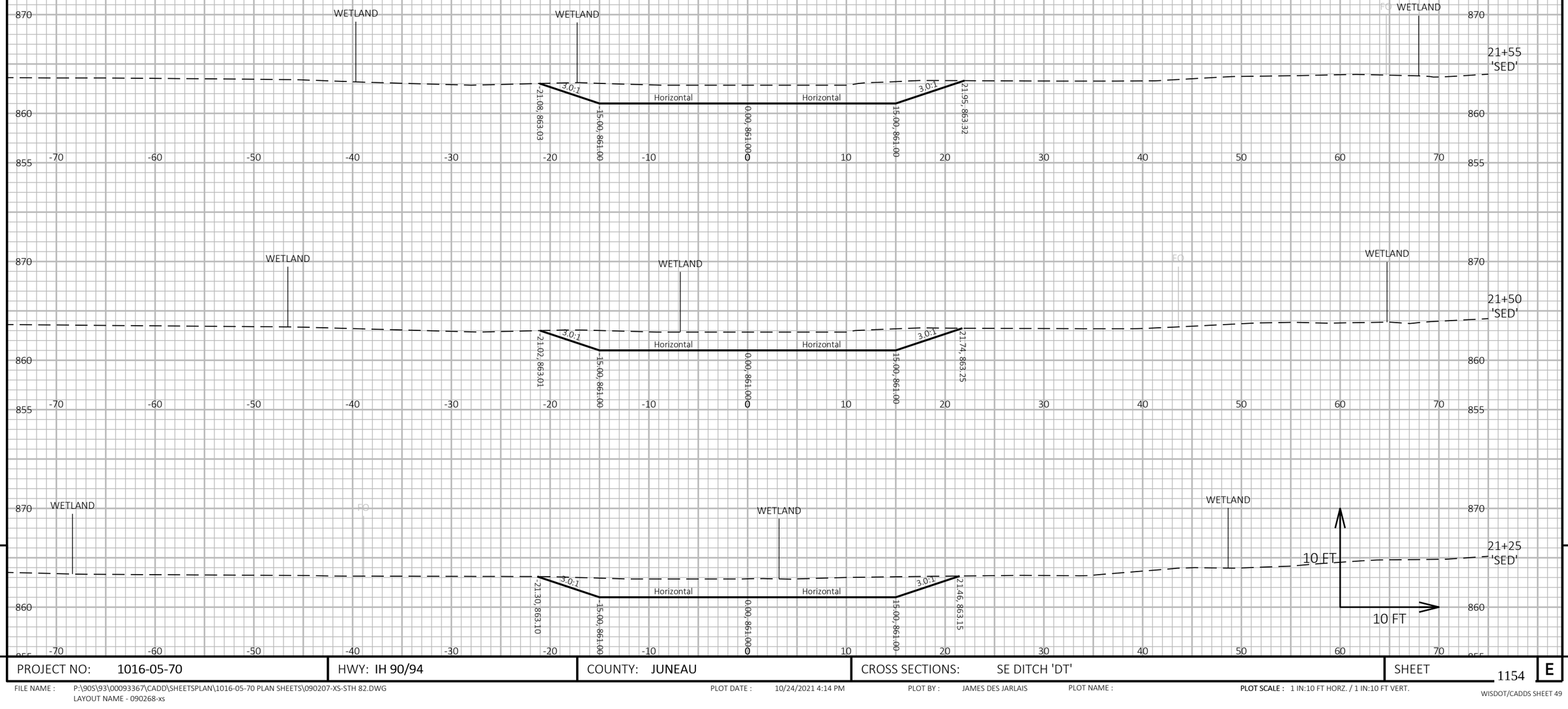
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: SE DITCH 'DT'	SHEET 1153	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090267-xs

PLOT DATE : 10/24/2021 4:14 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

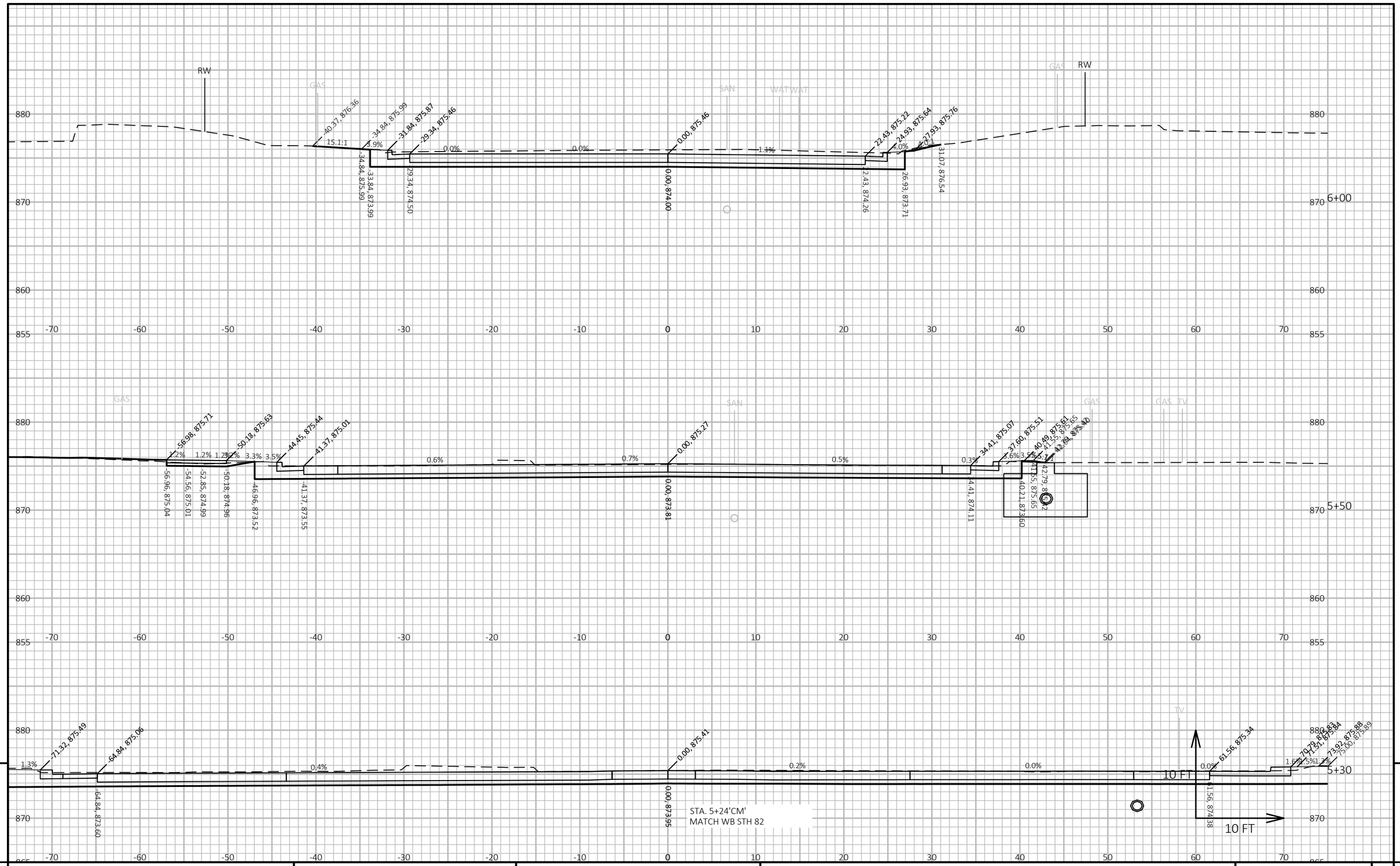


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: SE DITCH 'DT'	SHEET 1154	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82.DWG
LAYOUT NAME - 090268-xs

PLOT DATE : 10/24/2021 4:14 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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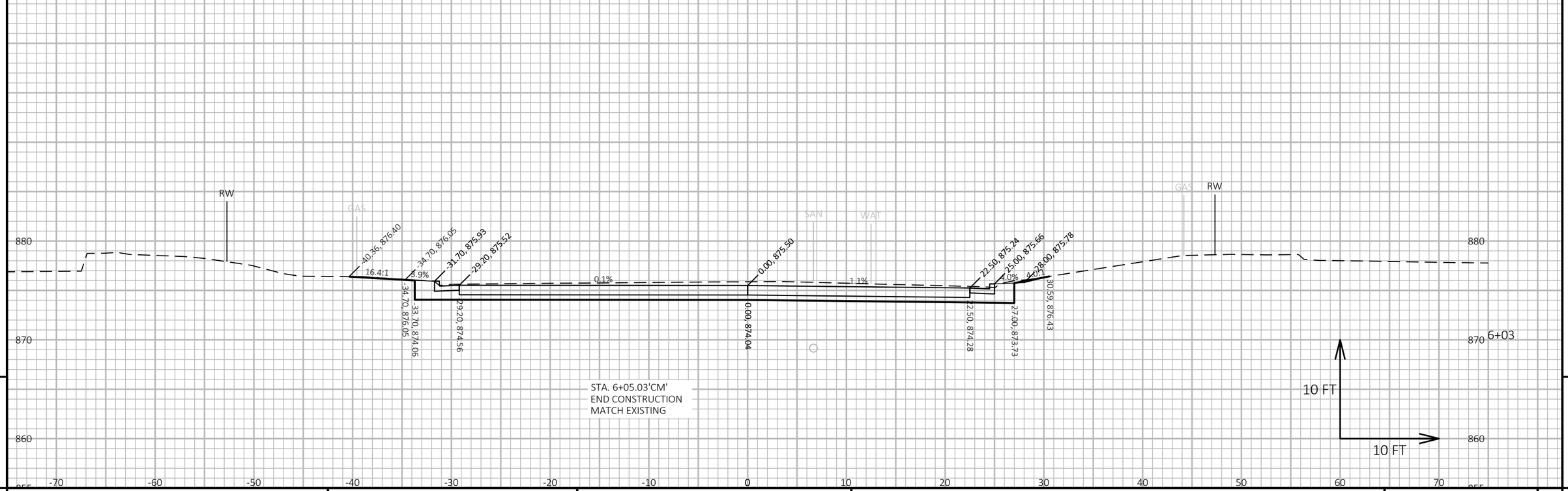
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: COMMERCIAL ST 'CM'	SHEET 1155	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090269-xs

PLOT DATE : 11/17/2021 1:53 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



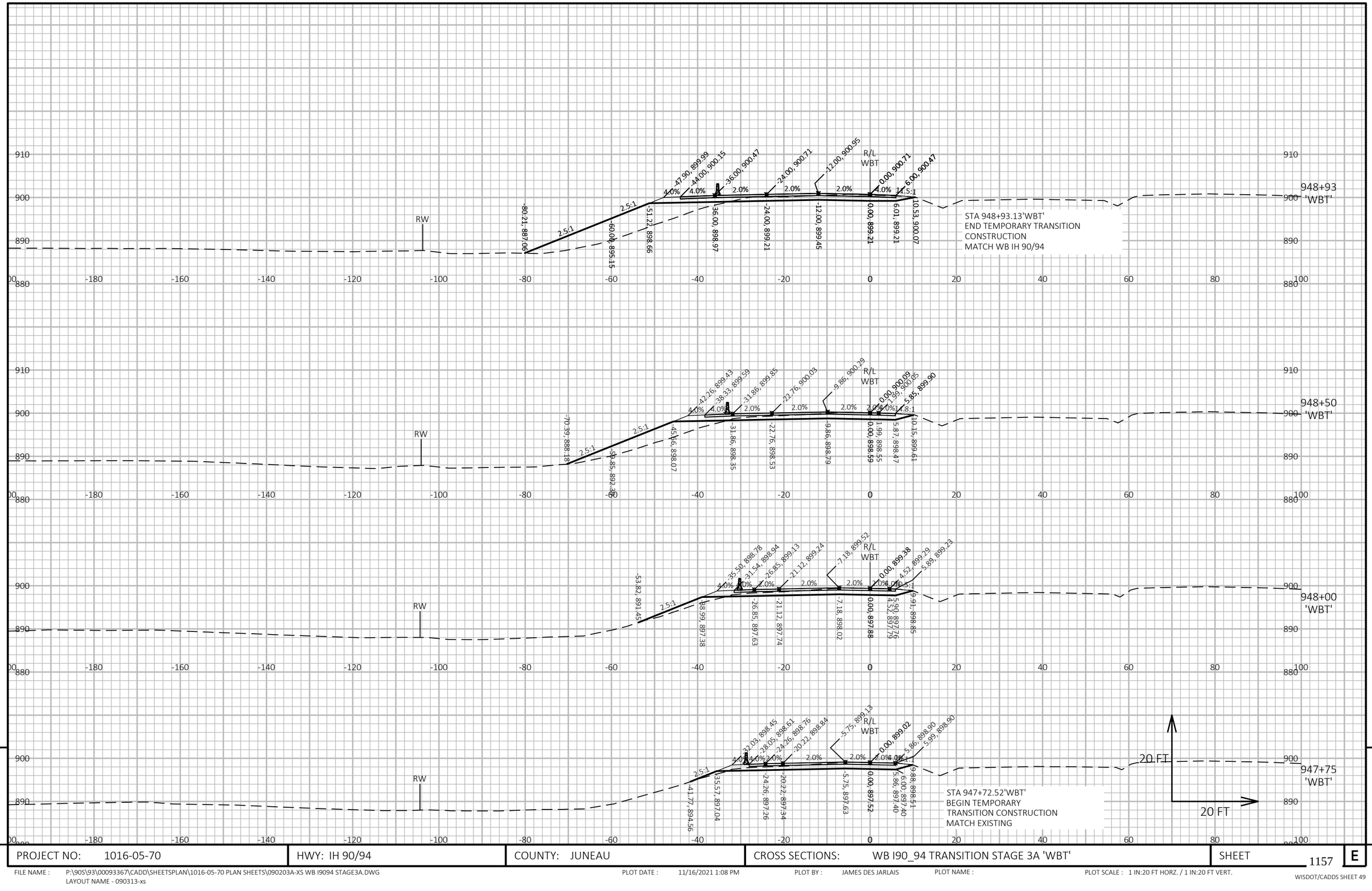
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: COMMERCIAL ST 'CM'	SHEET 1156	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090207-XS-STH 82 RABS.DWG
LAYOUT NAME - 090270-xs

PLOT DATE : 11/17/2021 1:53 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

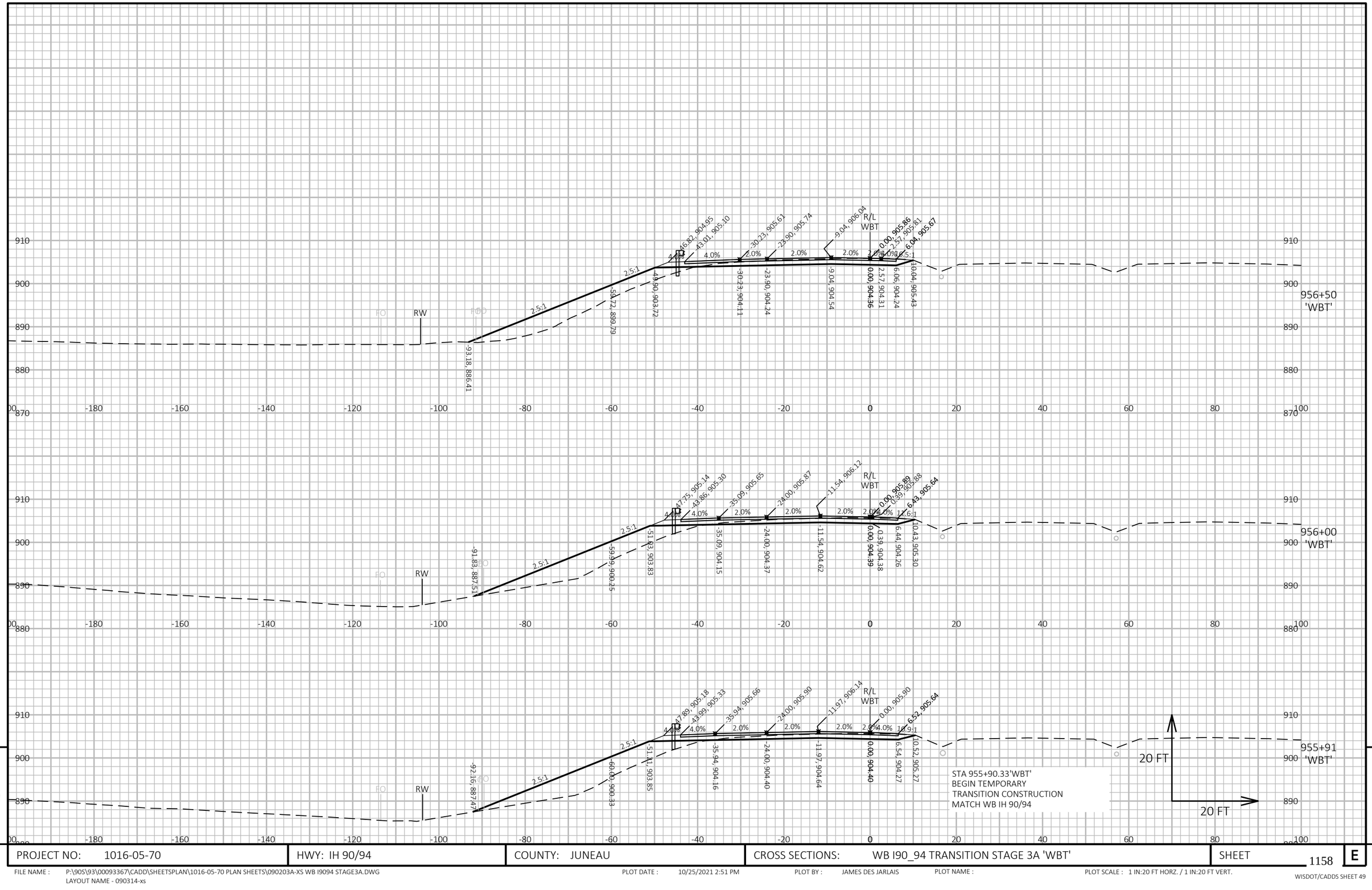


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1157 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090313-xs

PLOT DATE : 11/16/2021 1:08 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

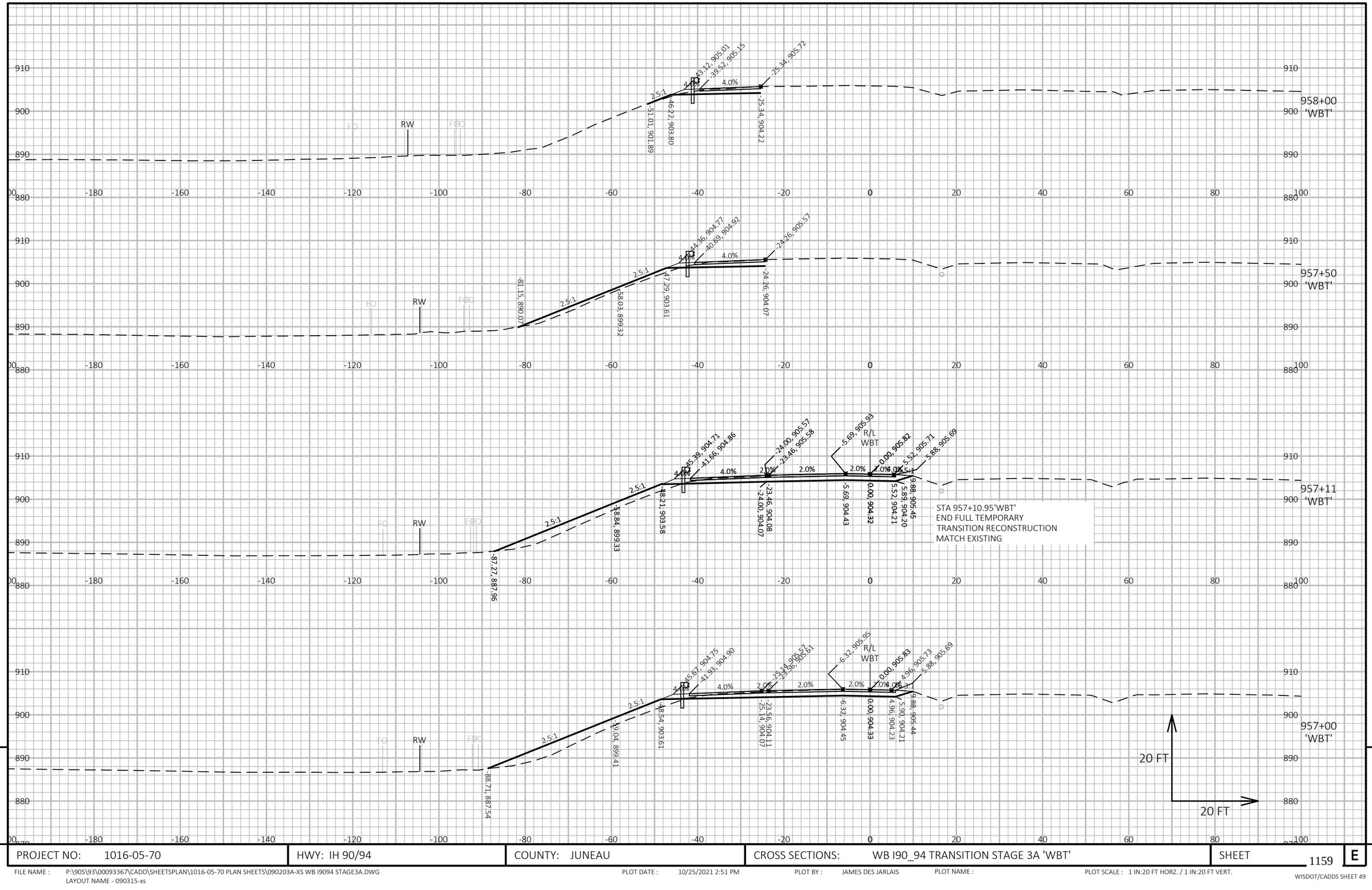


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1158	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090314-xs

PLOT DATE : 10/25/2021 2:51 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

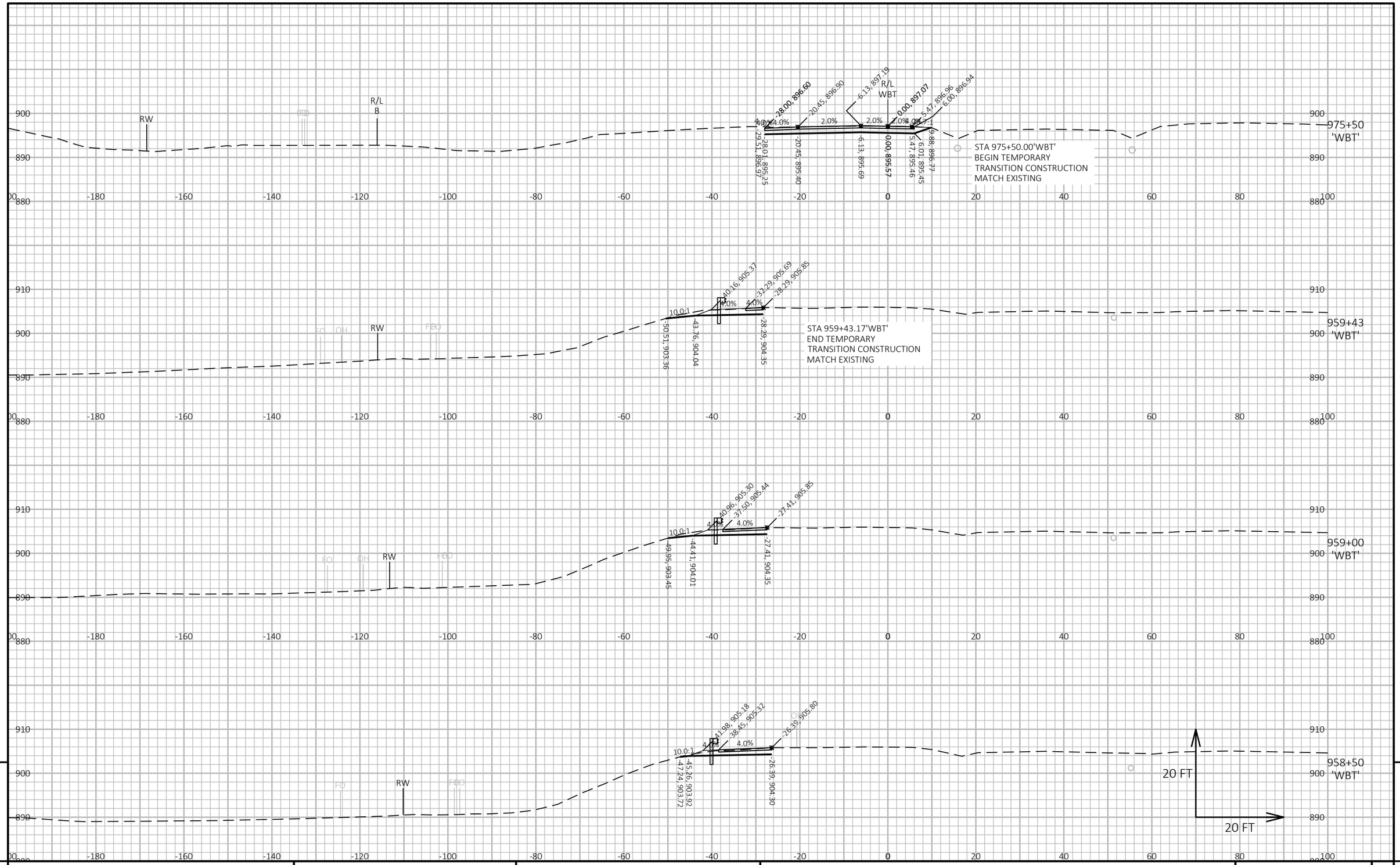


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1159 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090315-xs

PLOT DATE : 10/25/2021 2:51 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



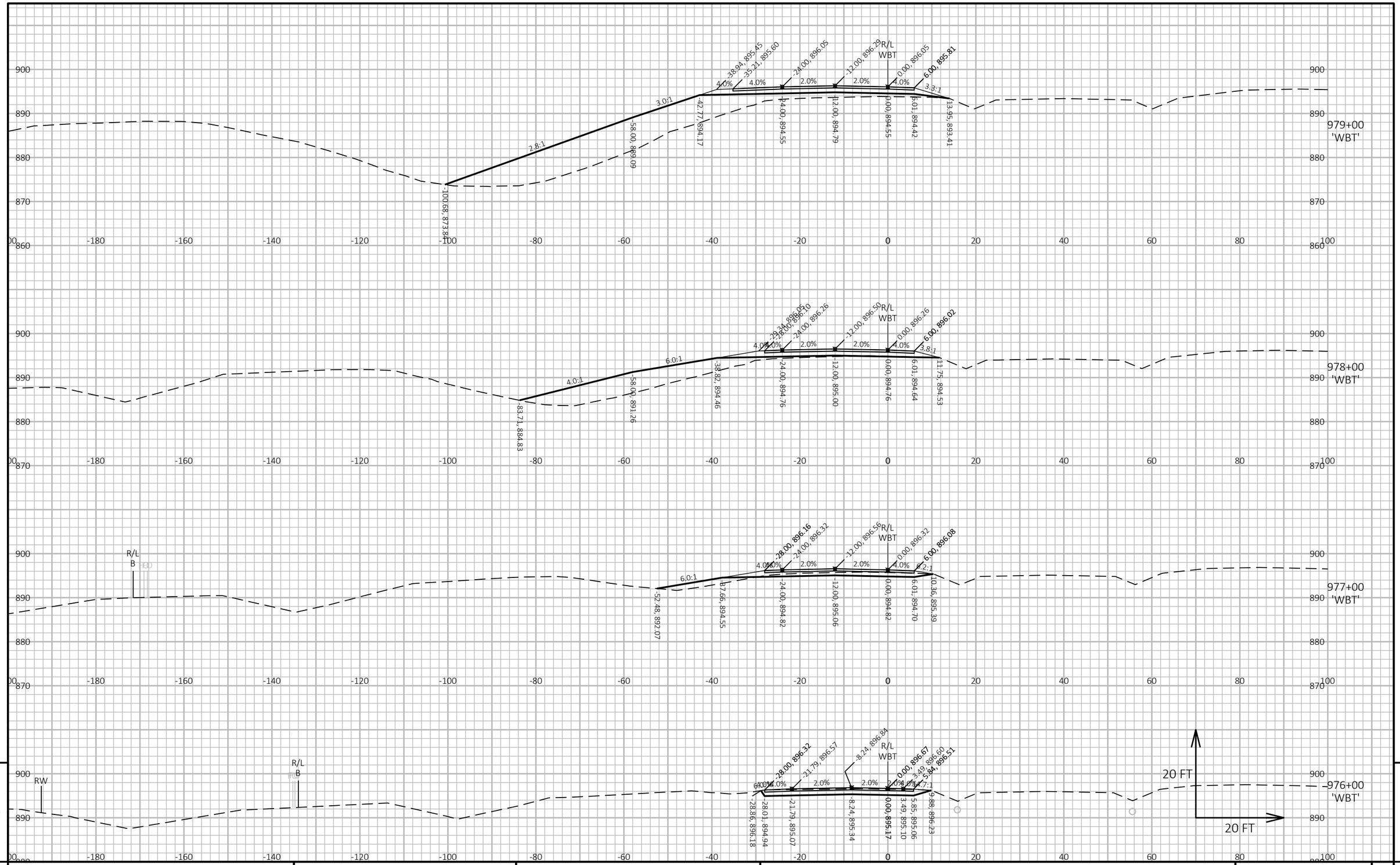
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1160	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090316-xs

PLOT DATE : 11/16/2021 1:08 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

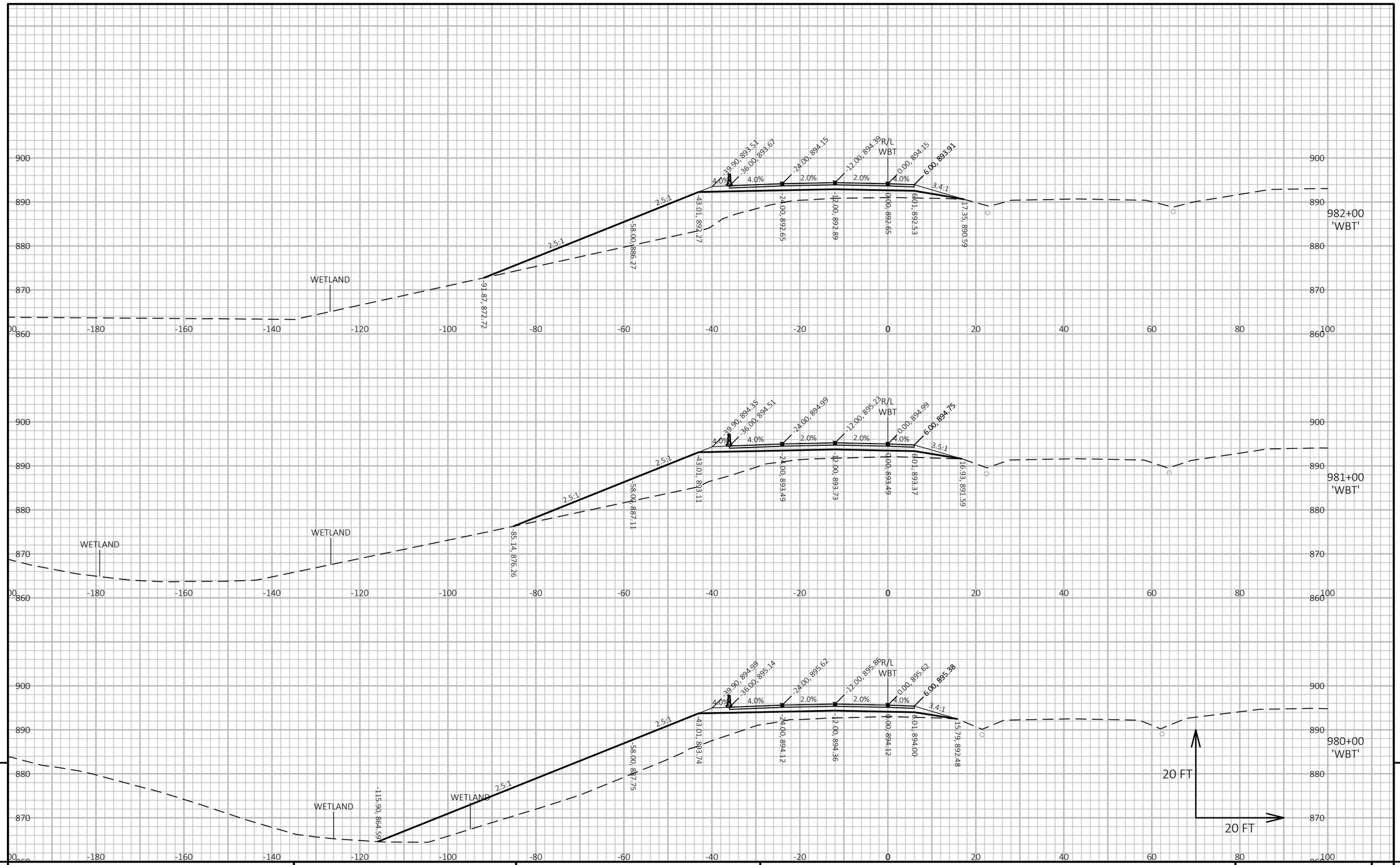


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1161 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090317-xs

PLOT DATE : 11/16/2021 1:08 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



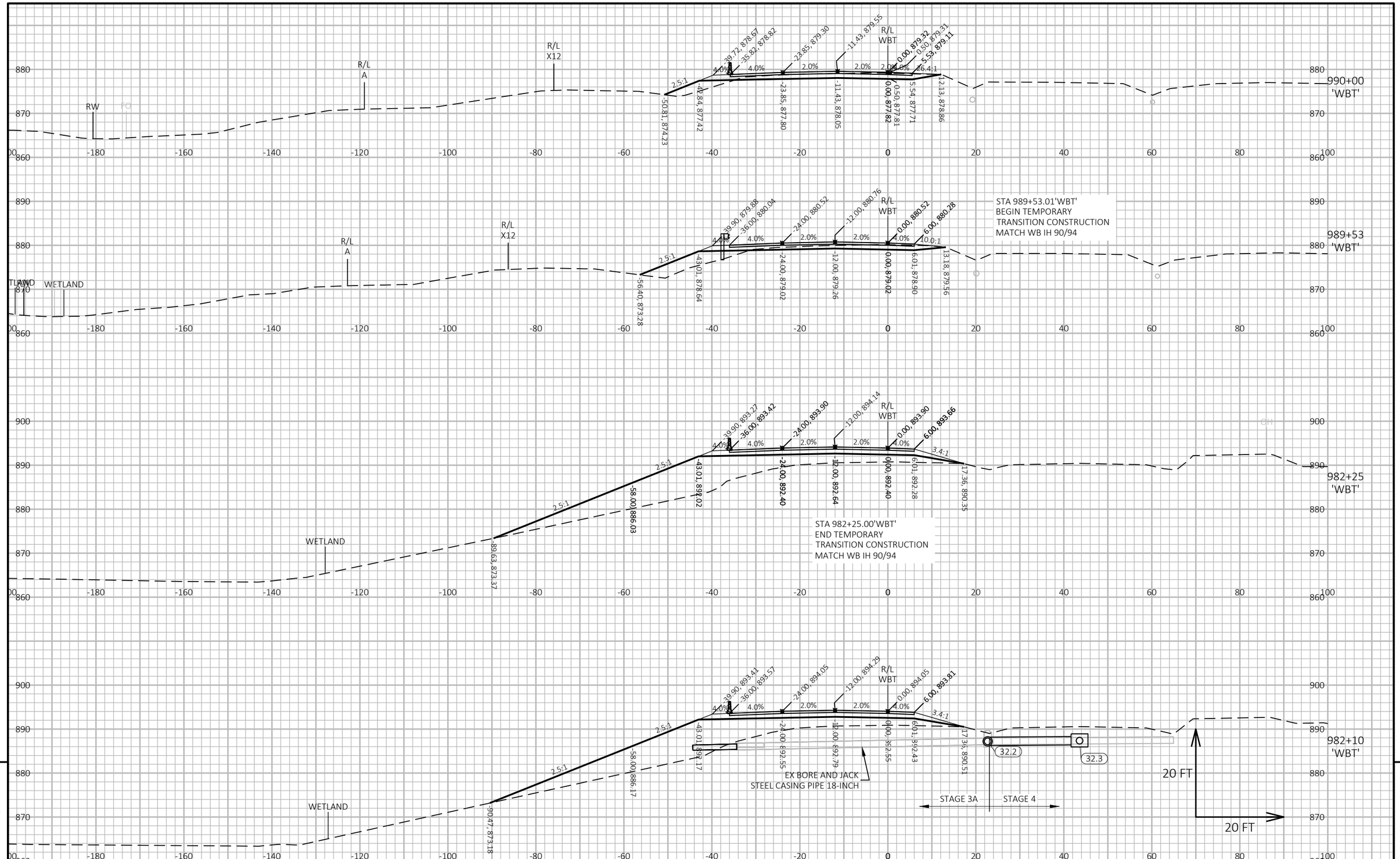
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1162	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090318-xs

PLOT DATE : 10/25/2021 2:52 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

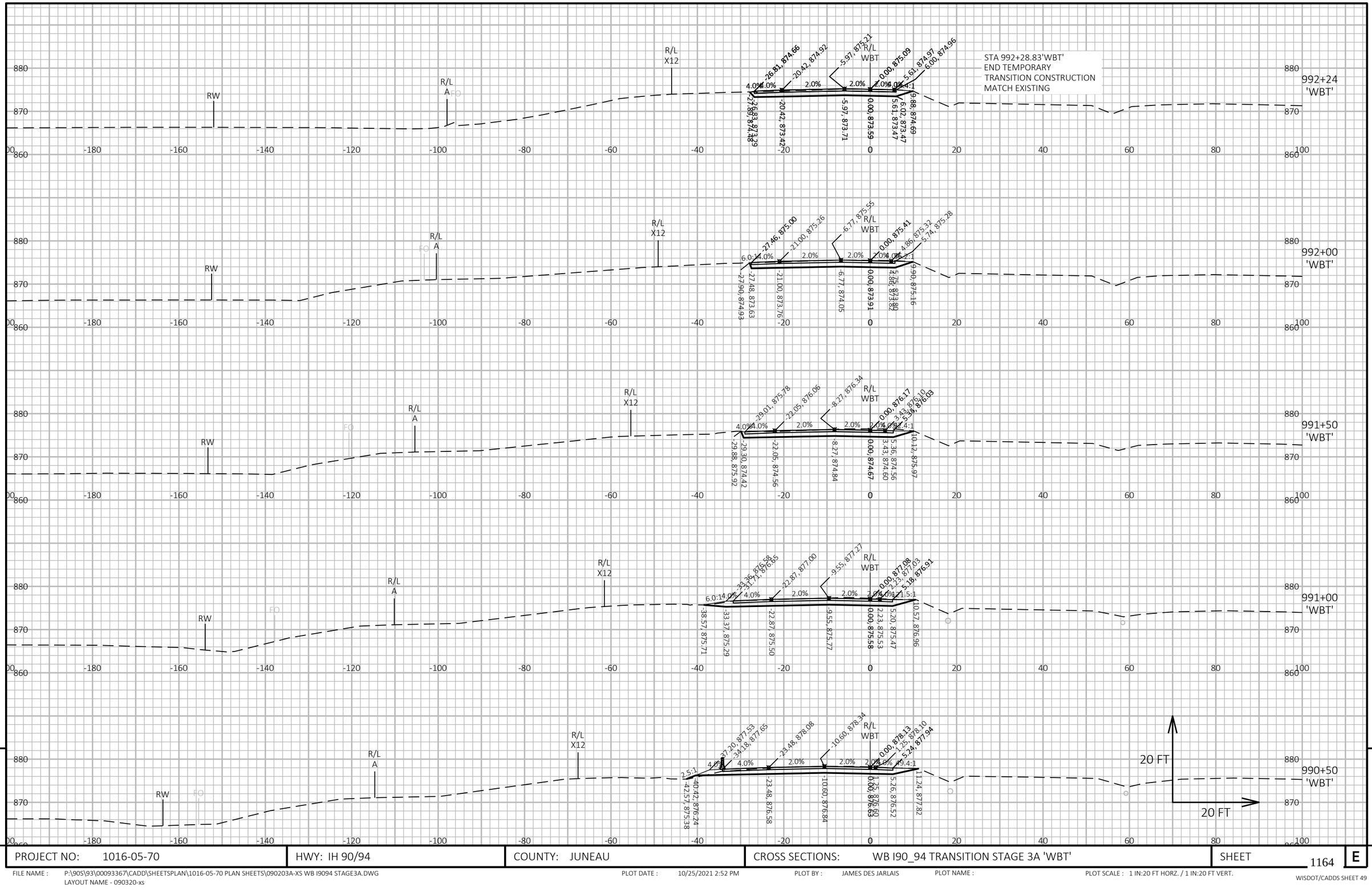


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1163 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090319-xs

PLOT DATE : 11/16/2021 1:09 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



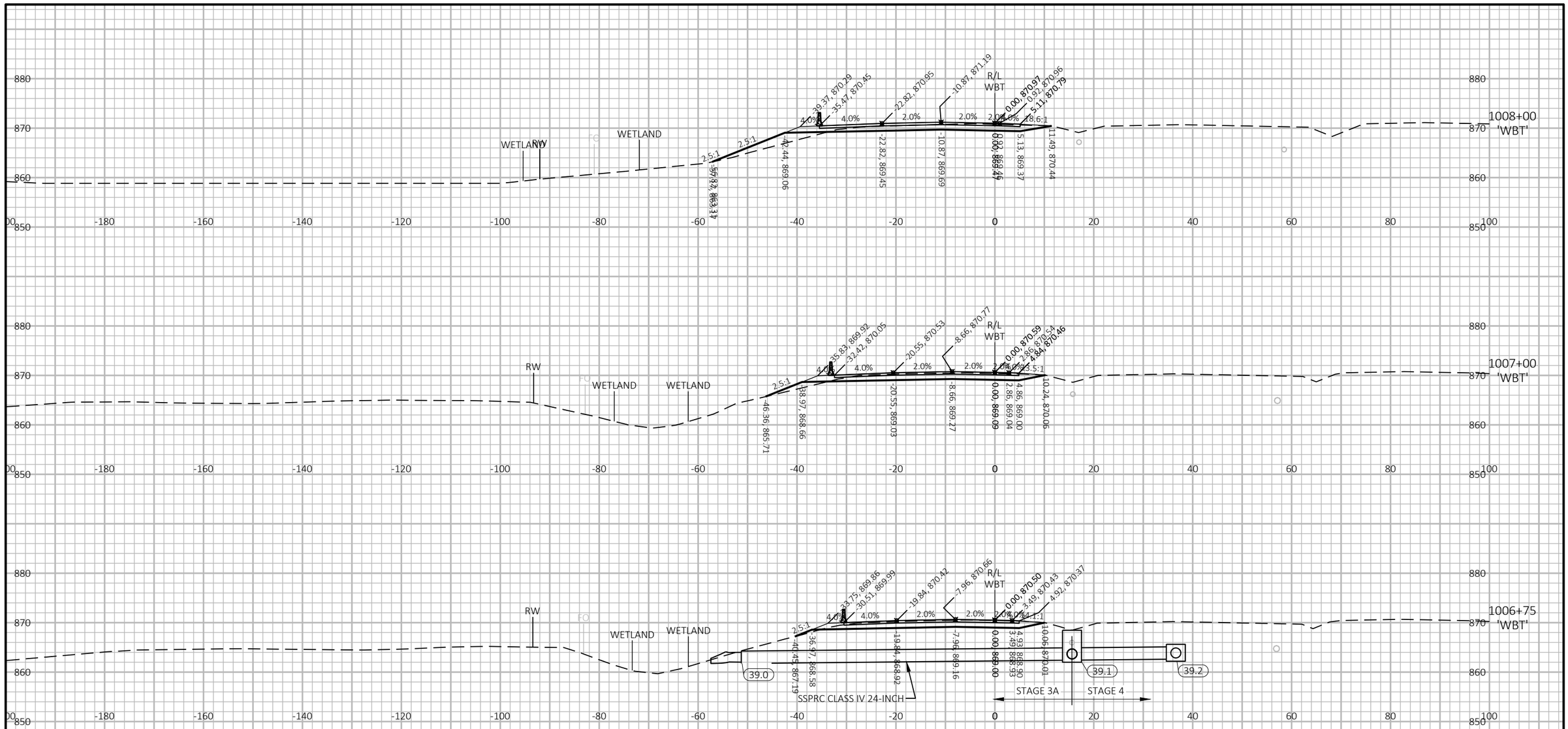
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1164 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090320-xs

PLOT DATE : 10/25/2021 2:52 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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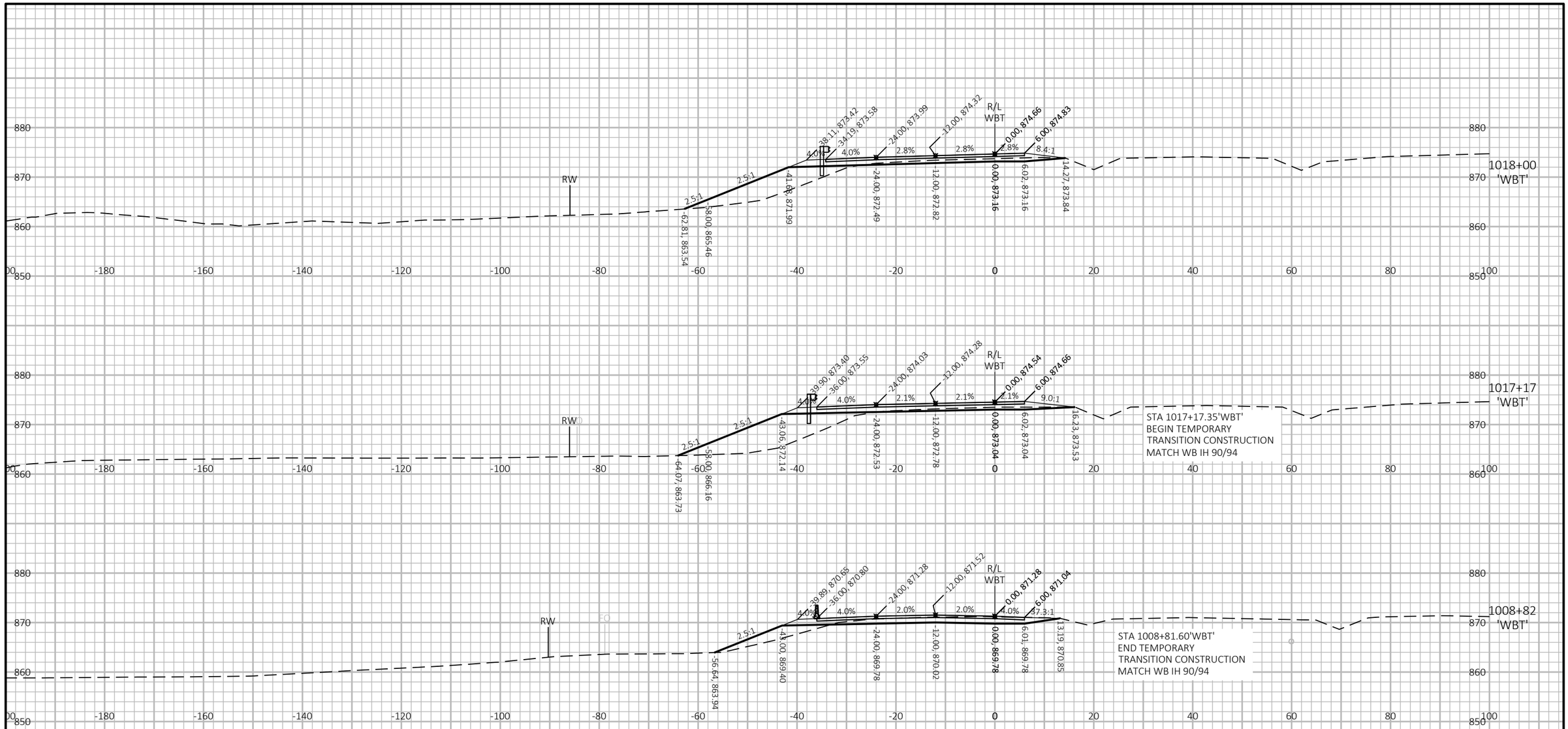
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1165	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090321-xs

PLOT DATE : 10/25/2021 2:52 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

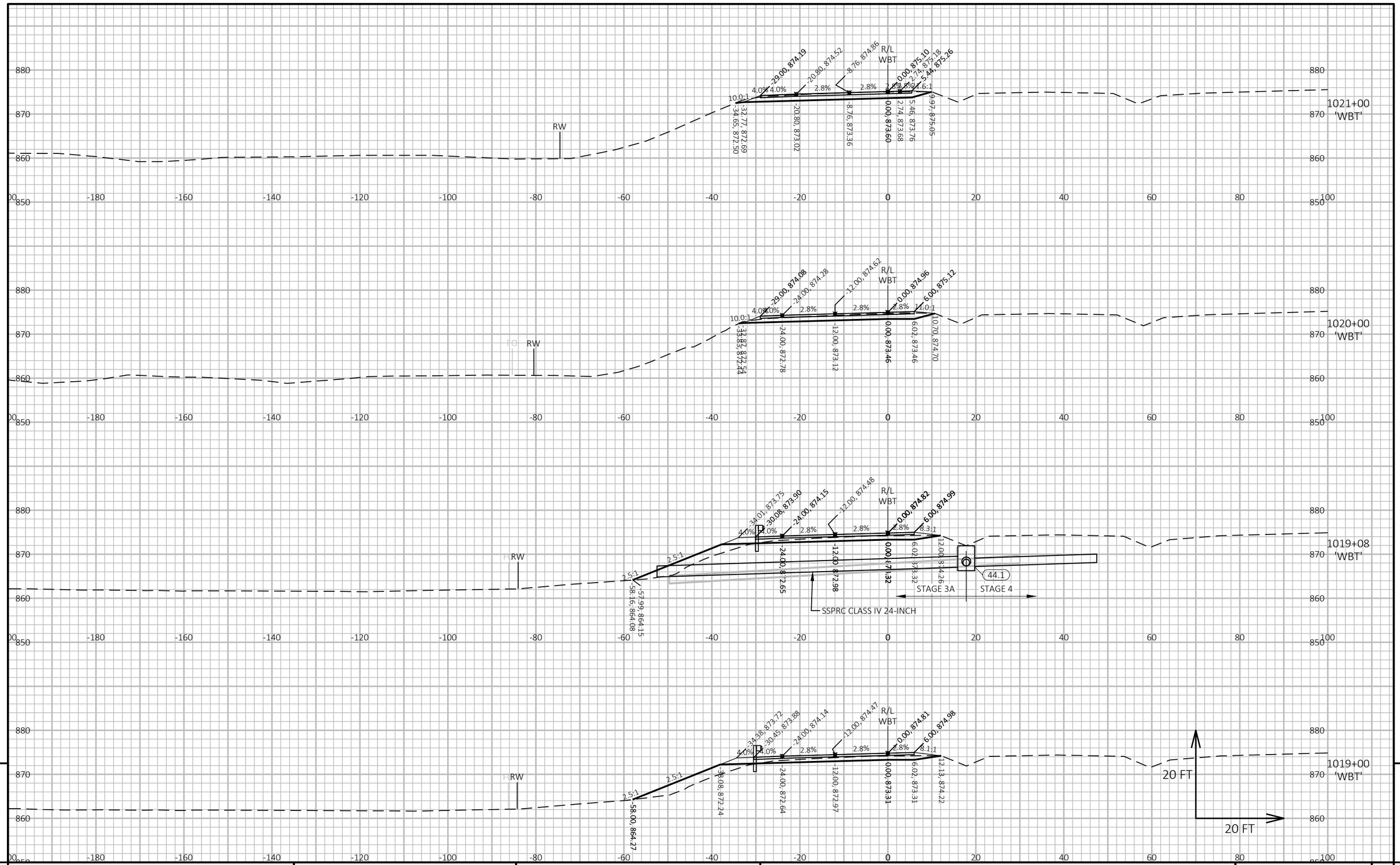


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1166 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090322-xs

PLOT DATE : 11/16/2021 1:09 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



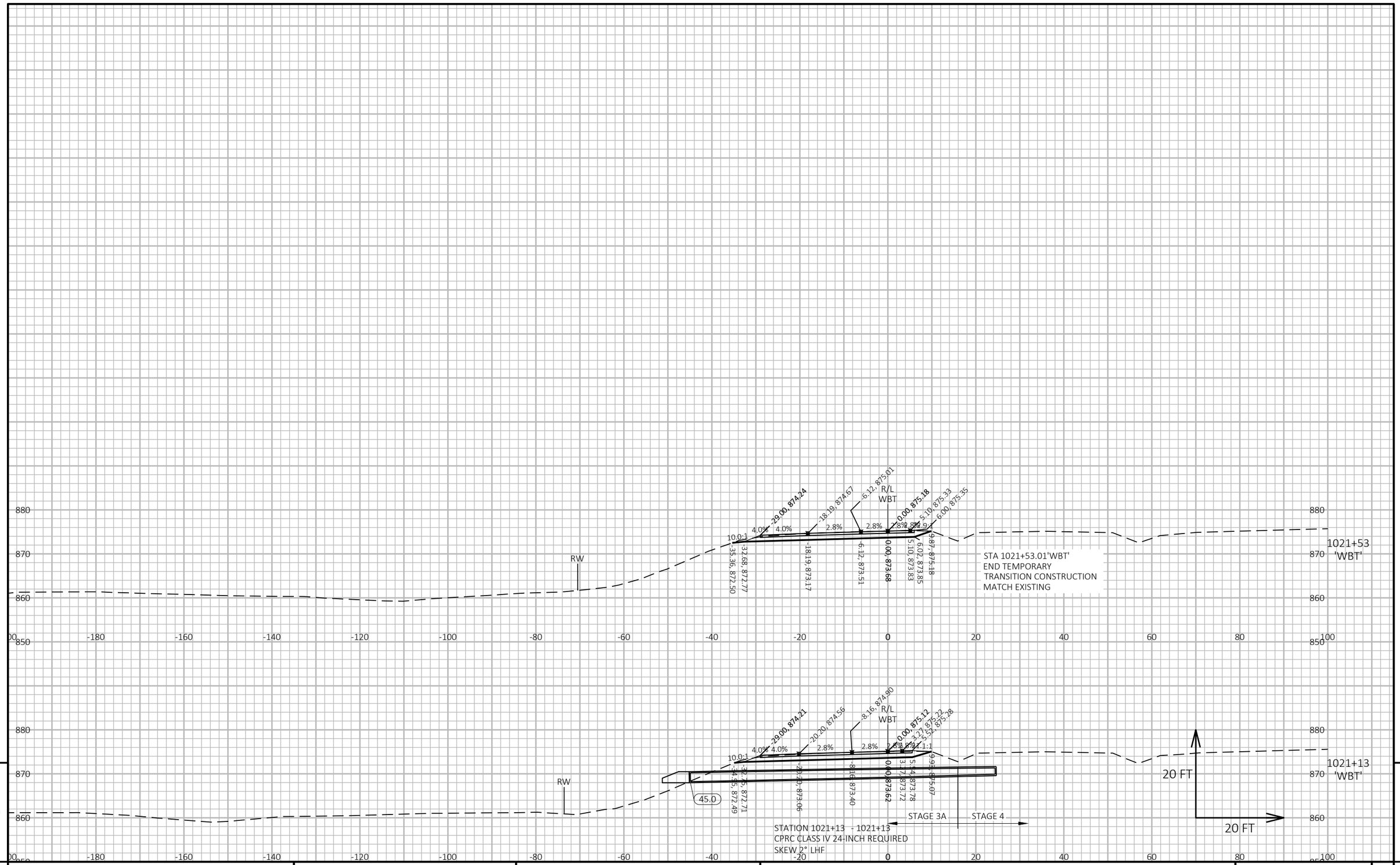
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1167	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090323-xs

PLOT DATE : 10/25/2021 2:52 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



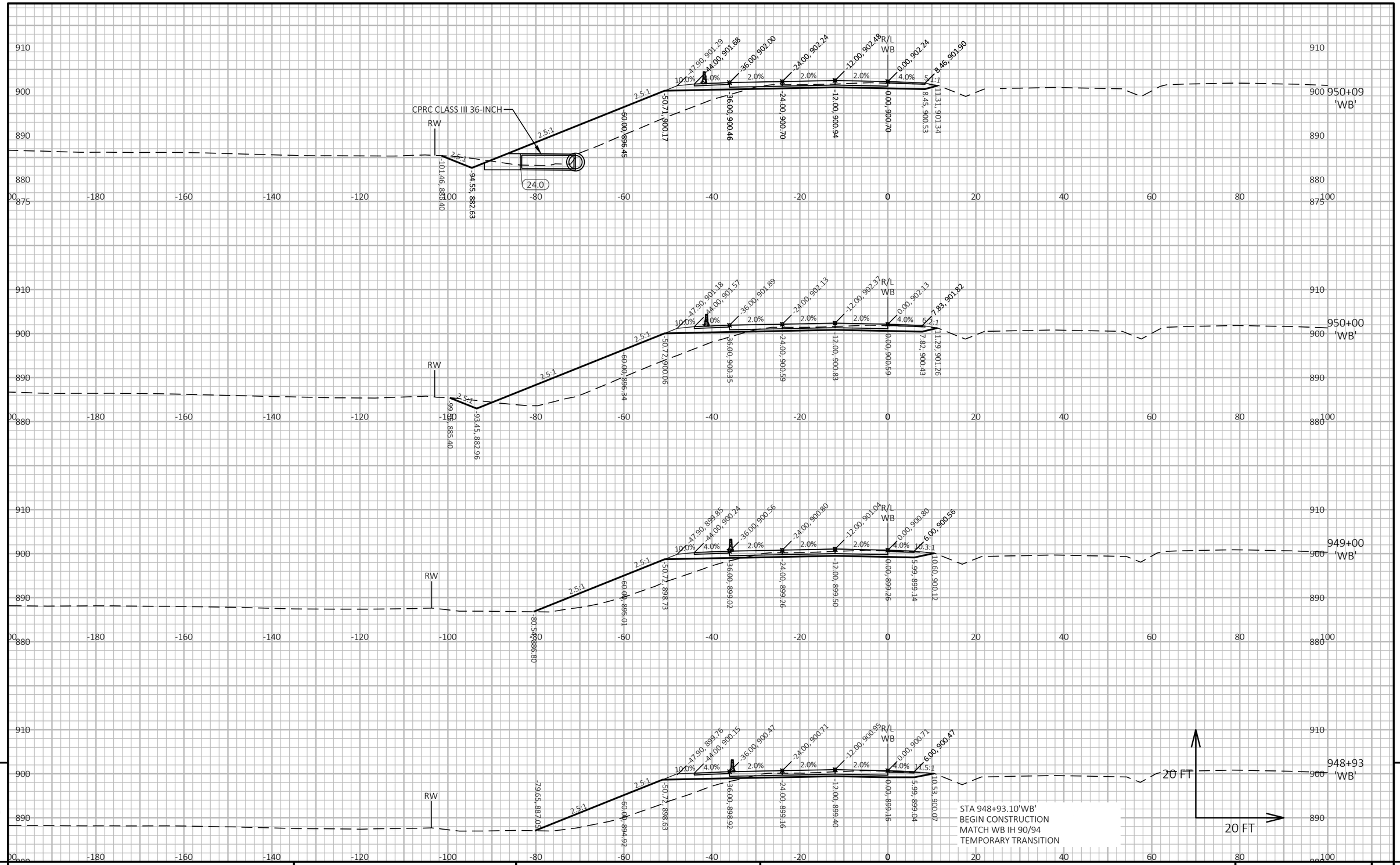
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB I90_94 TRANSITION STAGE 3A 'WBT'	SHEET 1168	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090324-xs

PLOT DATE : 11/16/2021 1:09 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3A 'WB'	SHEET 1169	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090301-xs

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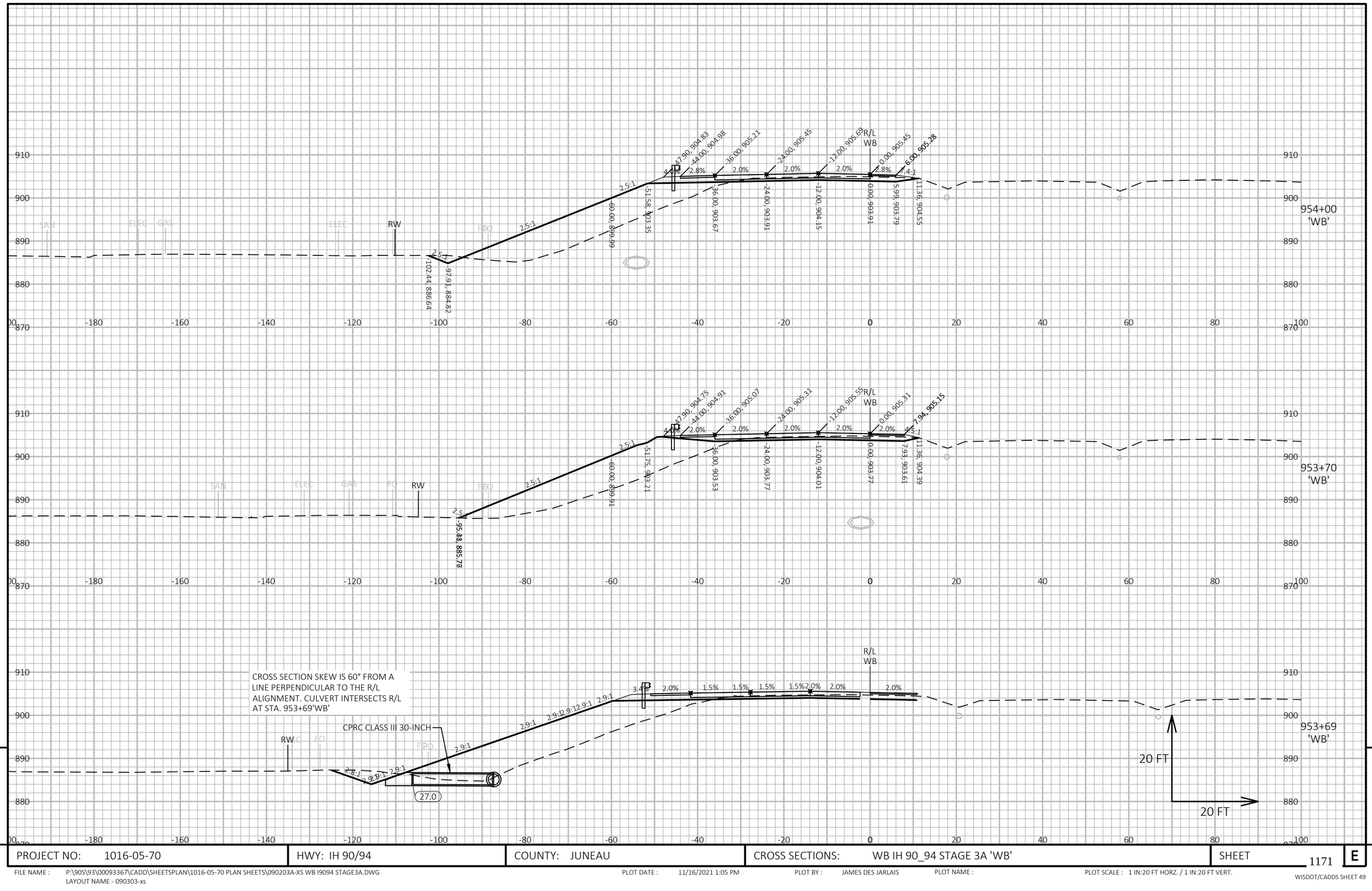
WISDOT/CADDS SHEET 49

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3A 'WB'	SHEET 1170 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090302-xs

PLOT DATE : 11/16/2021 1:04 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

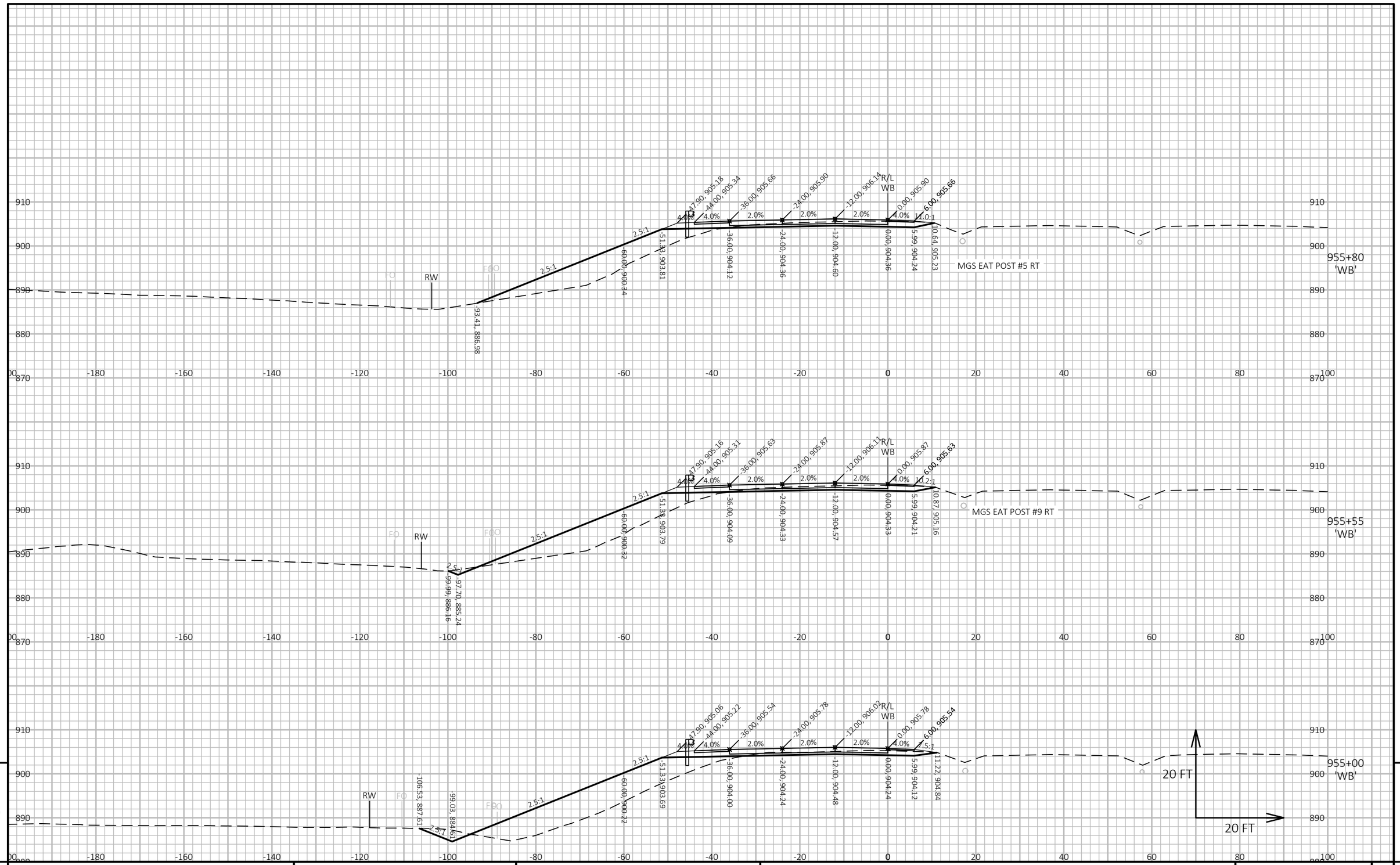


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3A 'WB'	SHEET 1171	E

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LAYOUT NAME - 090303-xs

PLOT DATE : 11/16/2021 1:05 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



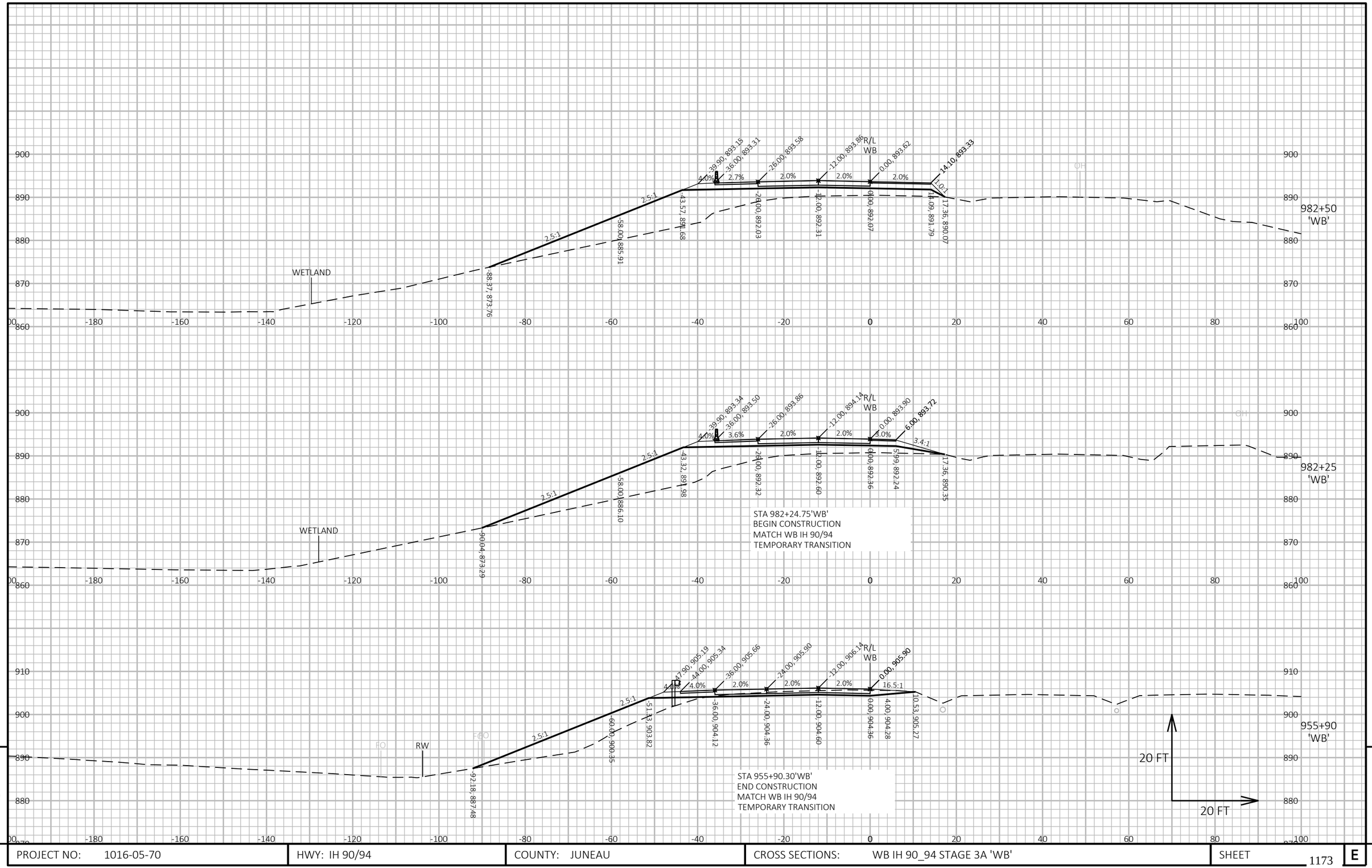
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3A 'WB'	SHEET 1172	E

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LAYOUT NAME - 090304-xs

PLOT DATE : 11/16/2021 1:05 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

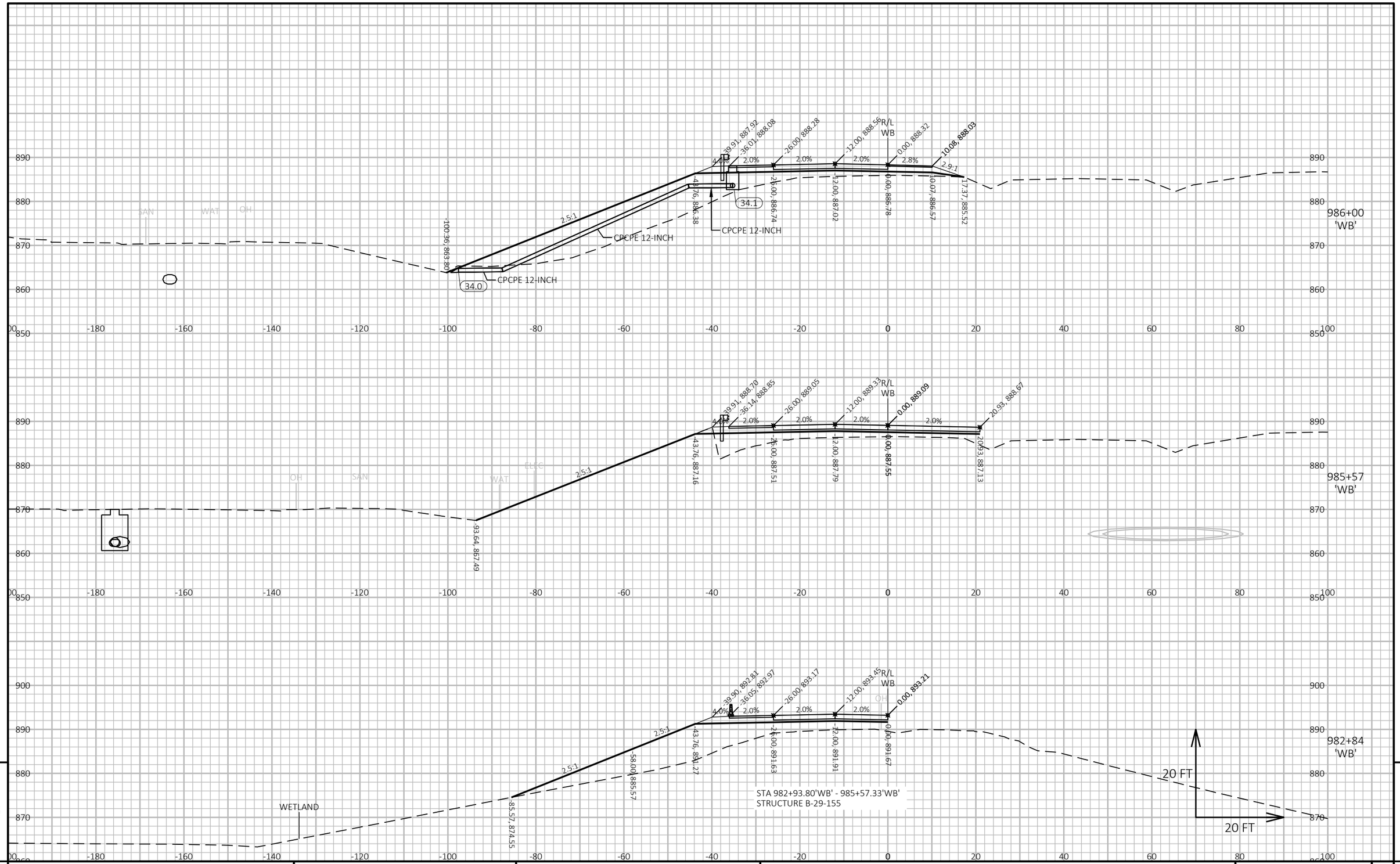


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3A 'WB'	SHEET 1173 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090305-xs

PLOT DATE : 11/16/2021 1:05 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

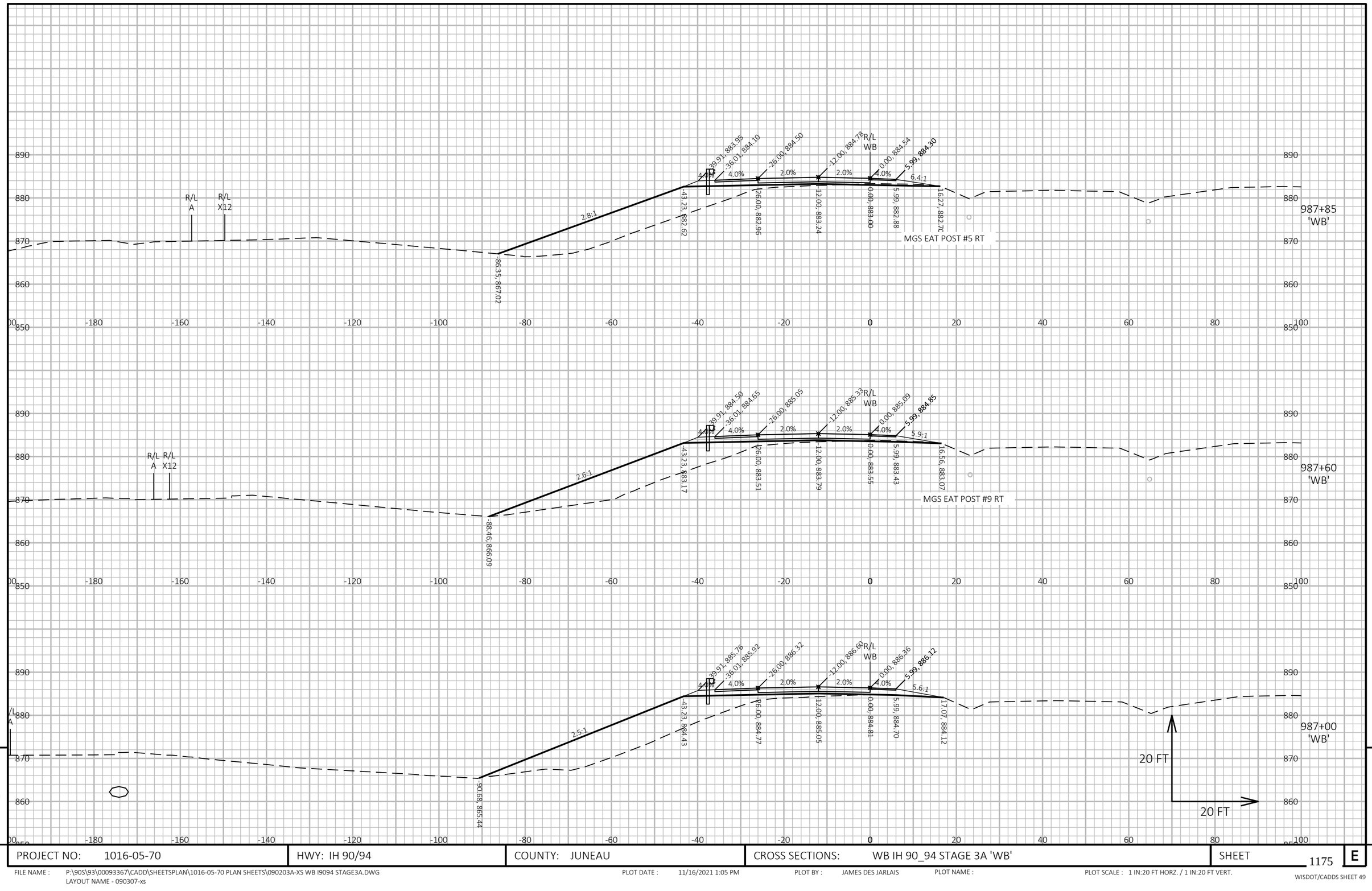


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3A 'WB'	SHEET 1174	E

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LAYOUT NAME - 090306-xs

PLOT DATE : 11/16/2021 1:05 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



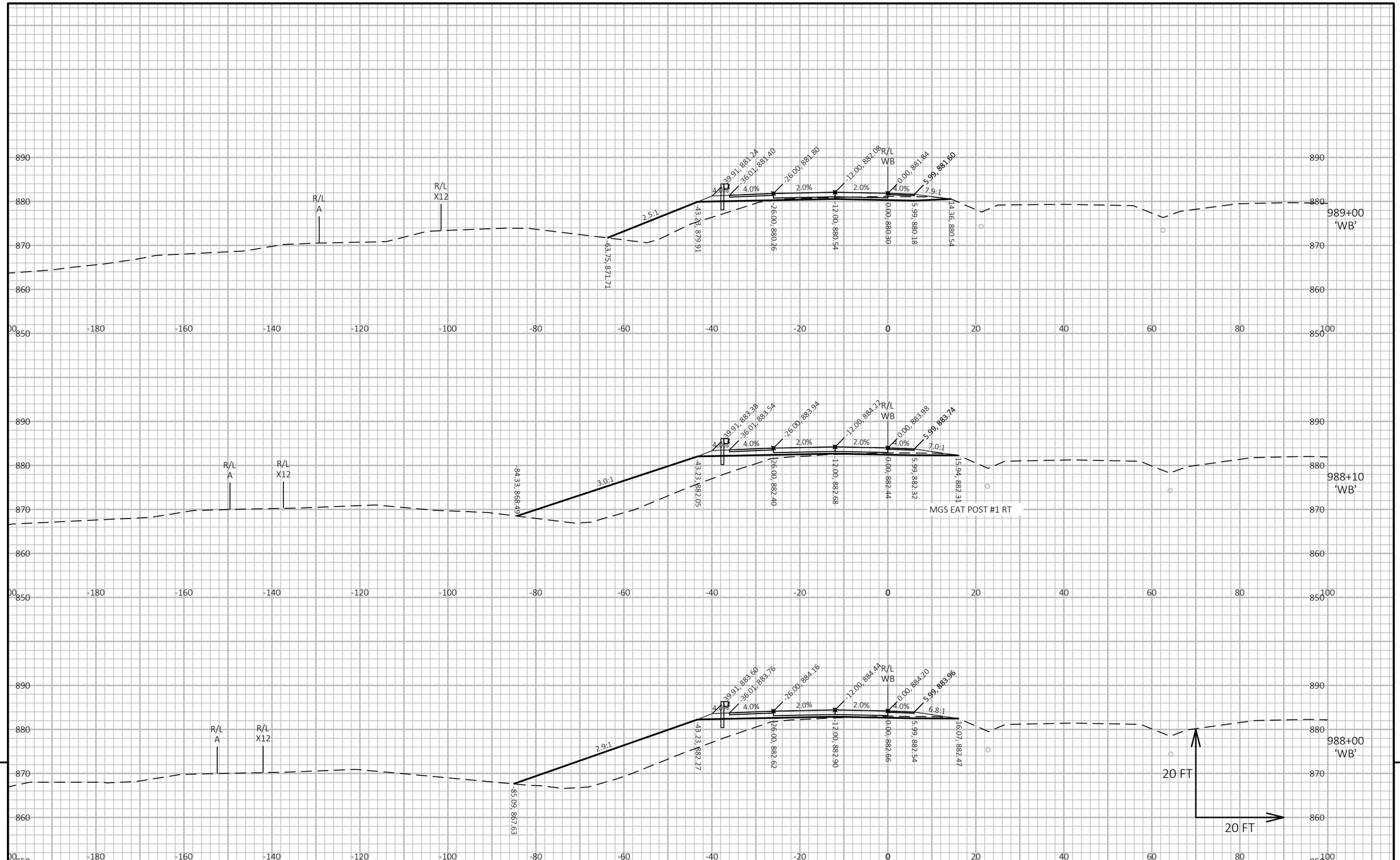
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3A 'WB'	SHEET 1175	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090307-xs

PLOT DATE : 11/16/2021 1:05 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

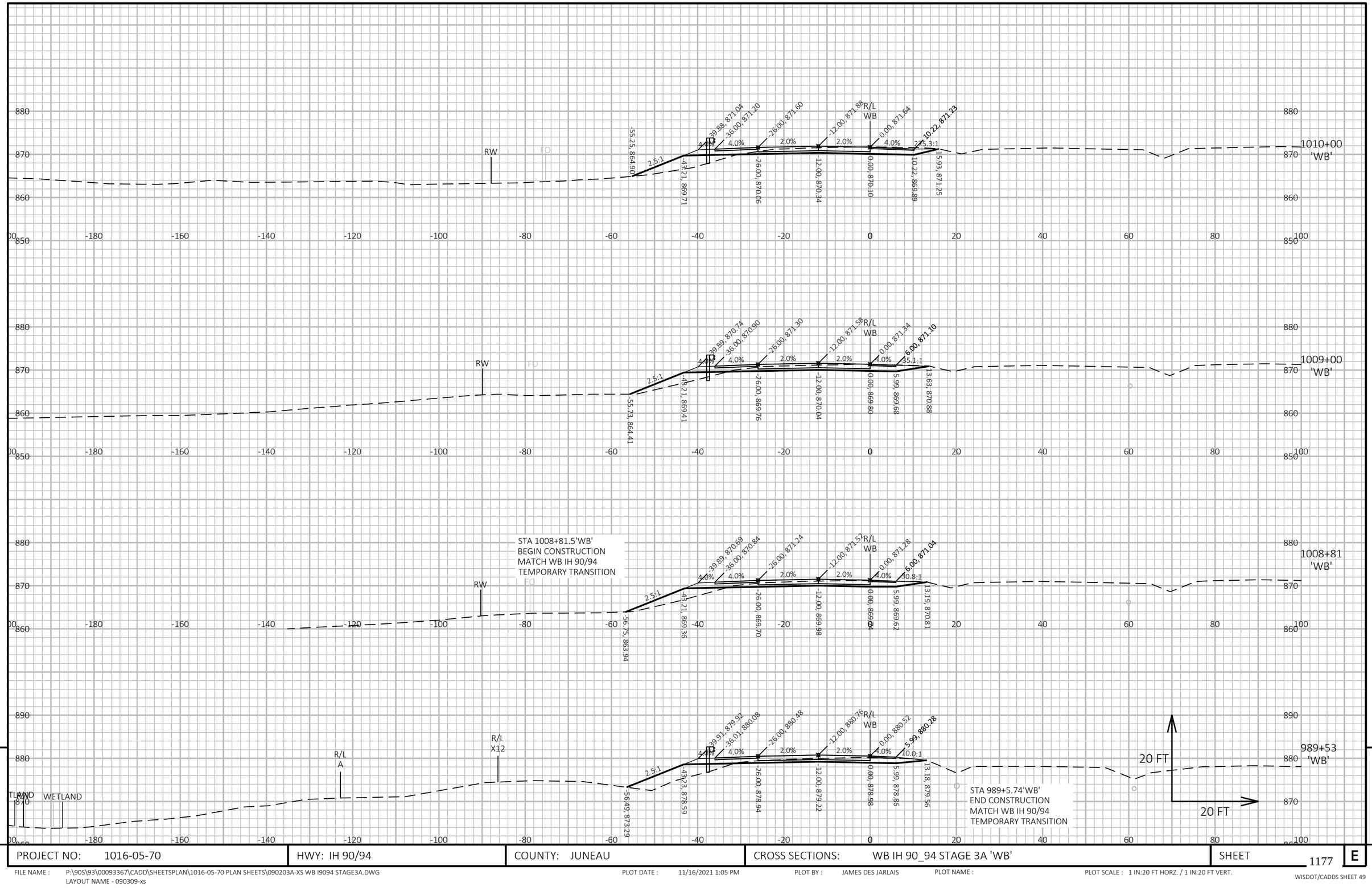


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3A 'WB'	SHEET 1176 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090308-xs

PLOT DATE : 11/16/2021 1:05 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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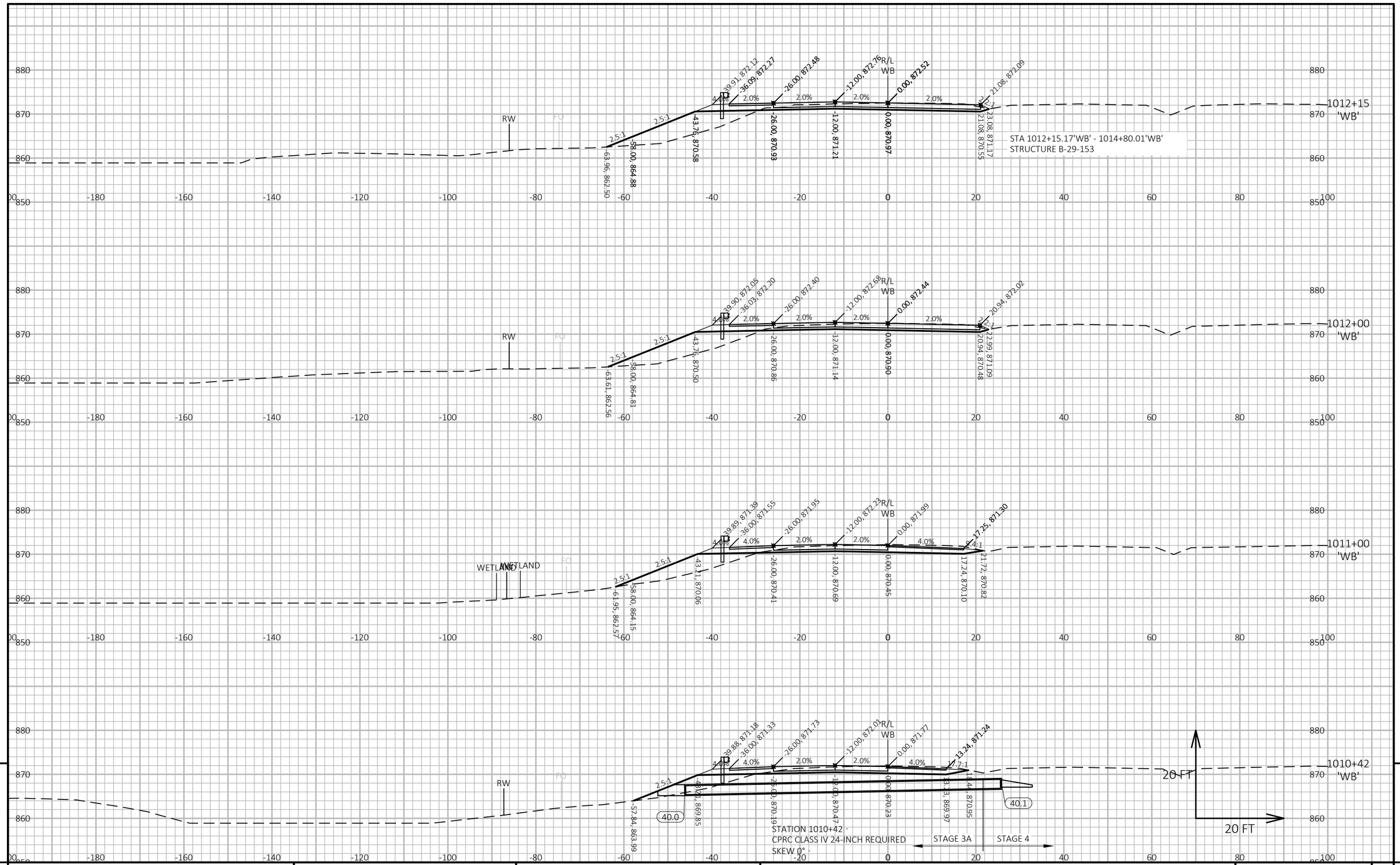
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3A 'WB'	SHEET 1177	E

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LAYOUT NAME - 090309-xs

PLOT DATE : 11/16/2021 1:05 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



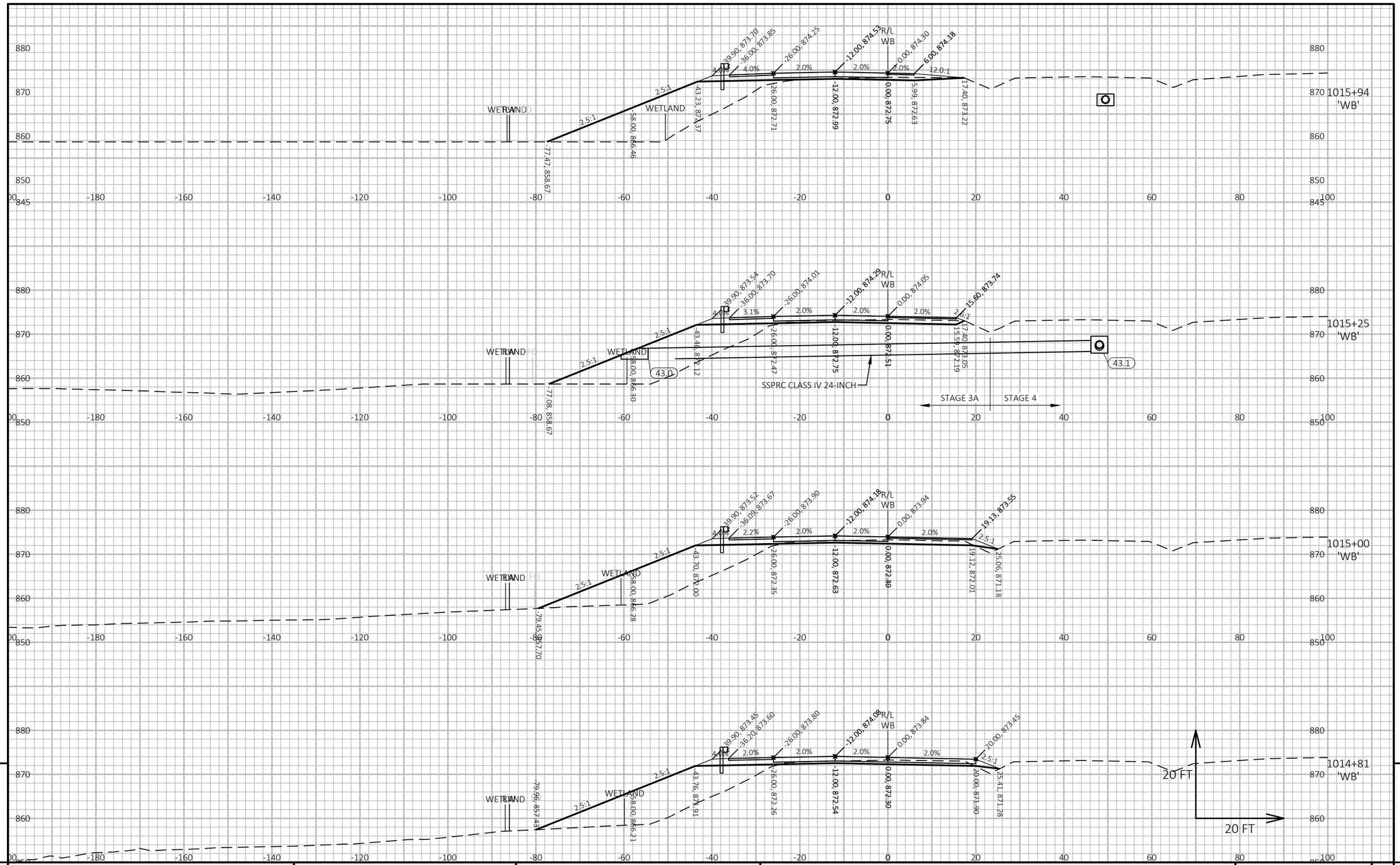
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3A 'WB'	SHEET 1178	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090310-xs

PLOT DATE : 10/25/2021 2:50 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



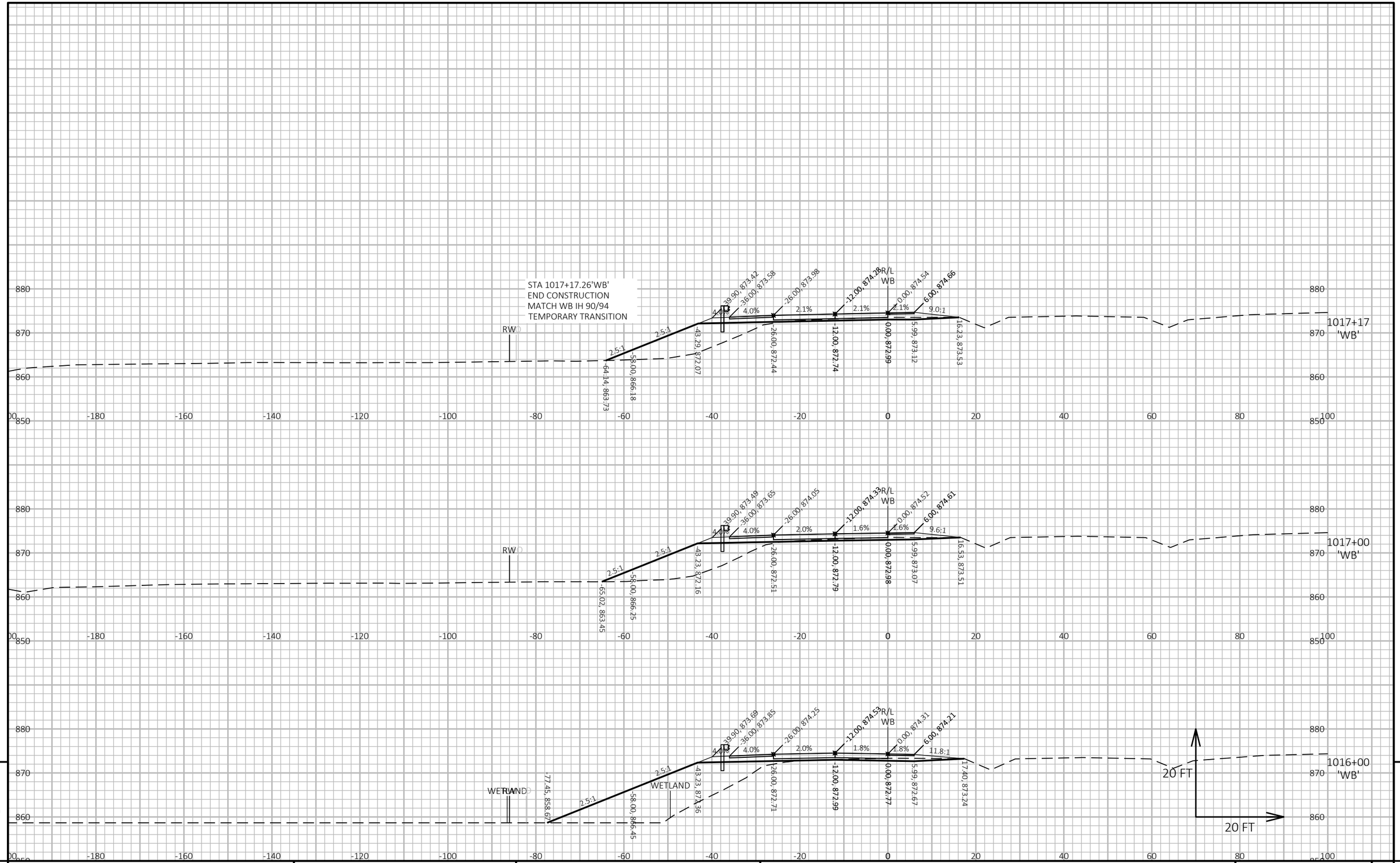
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FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090311-xs

PLOT DATE : 10/25/2021 2:50 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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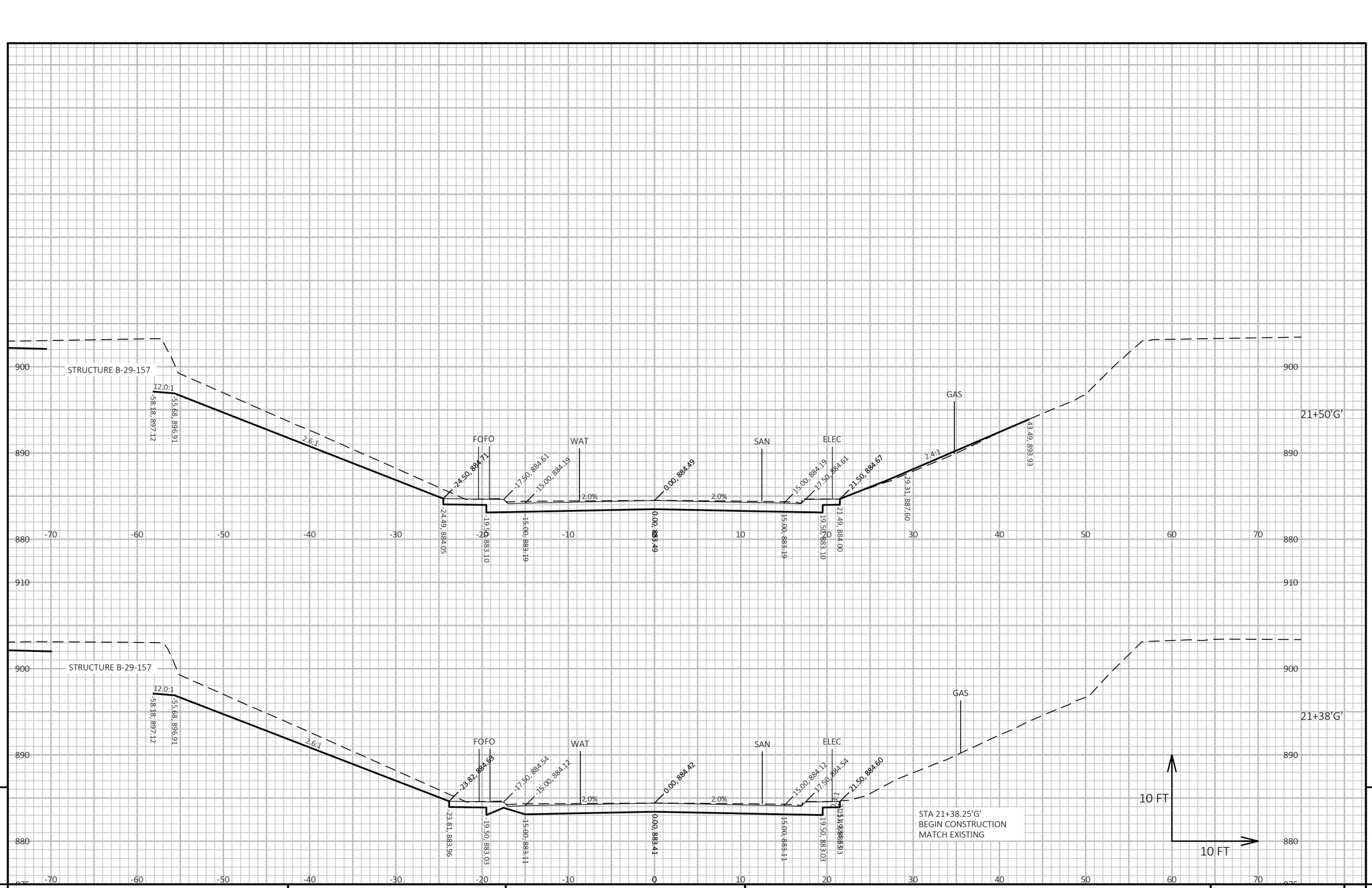
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FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203A-XS WB I9094 STAGE3A.DWG
LAYOUT NAME - 090312-xs

PLOT DATE : 10/25/2021 2:50 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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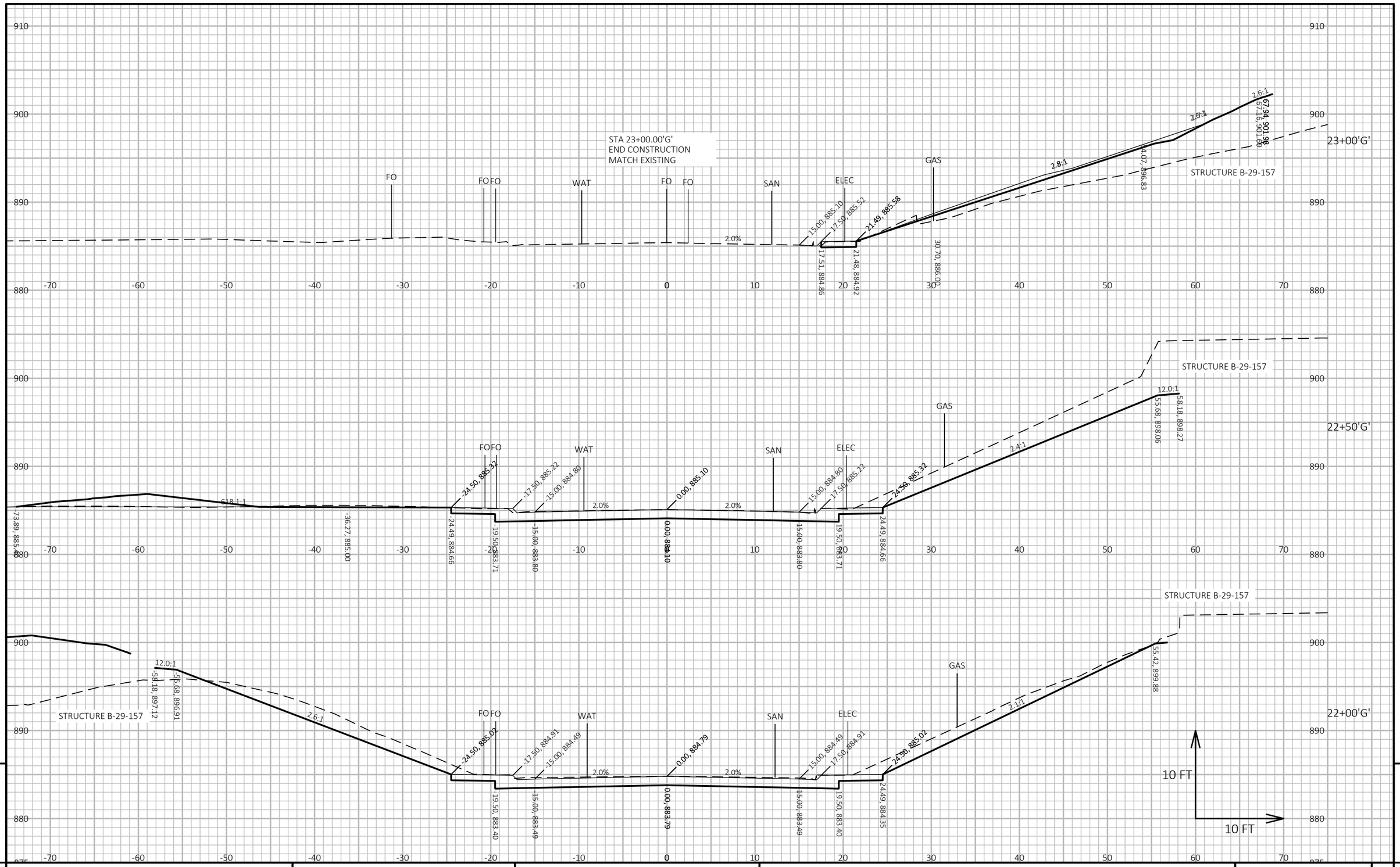
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: CTH G 'G'	SHEET 1181	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090205-XS CTH G.DWG
LAYOUT NAME - 090275-xs

PLOT DATE : 11/16/2021 4:26 PM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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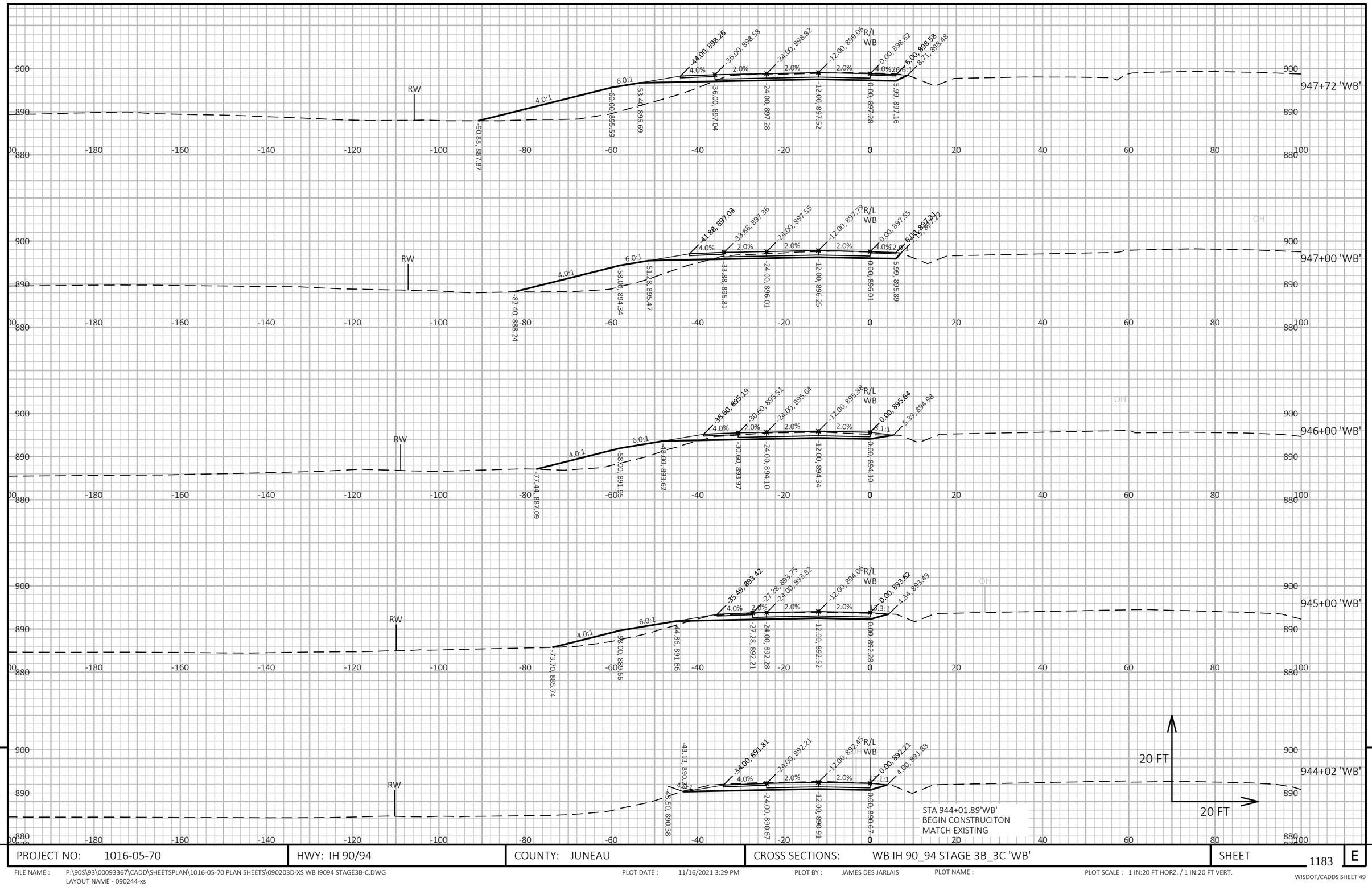
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: CTH G 'G'	SHEET 1182	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090205-XS CTH G.DWG
LAYOUT NAME - 090276-xs

PLOT DATE : 11/16/2021 4:26 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

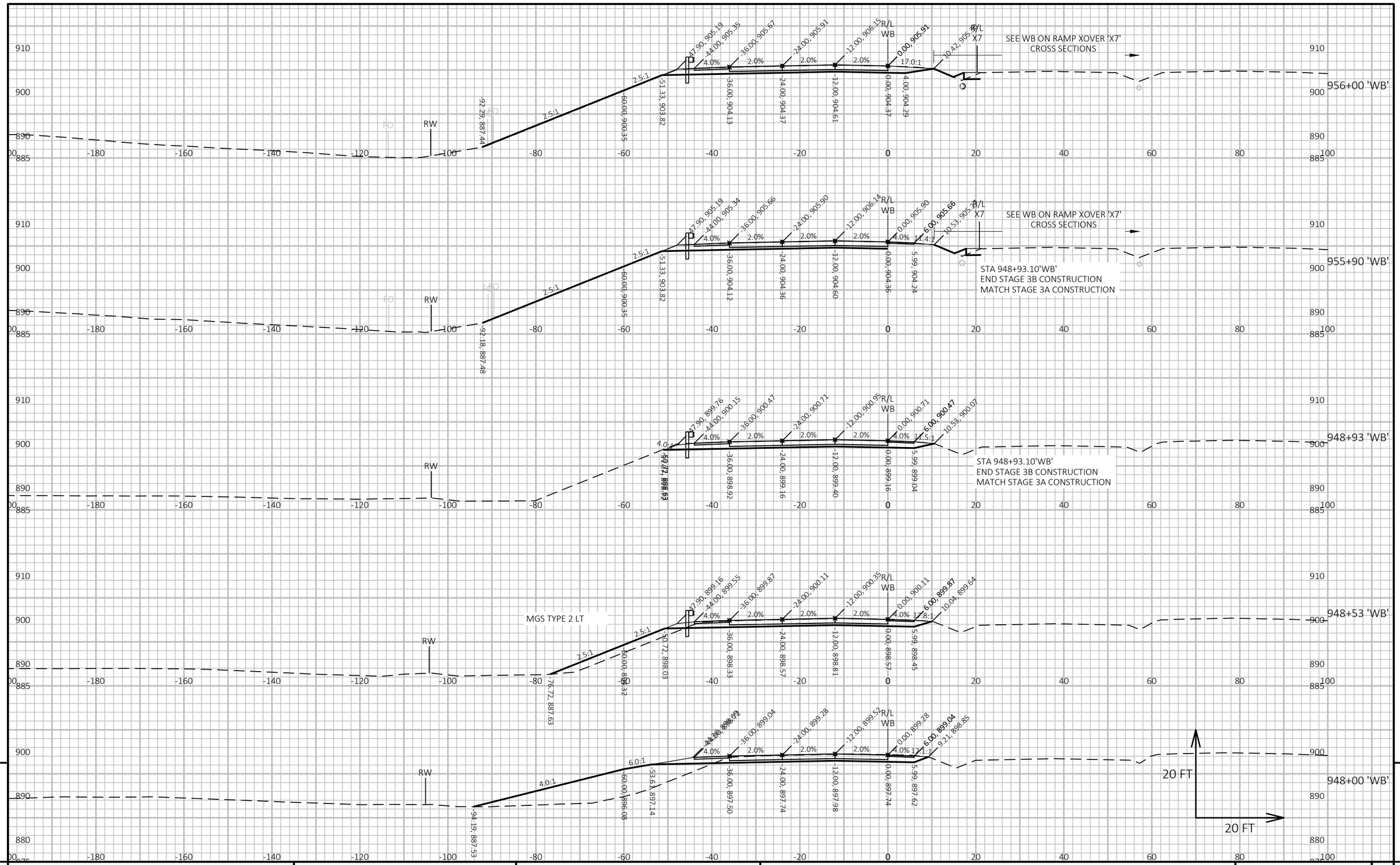


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1183	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090244-xs

PLOT DATE : 11/16/2021 3:29 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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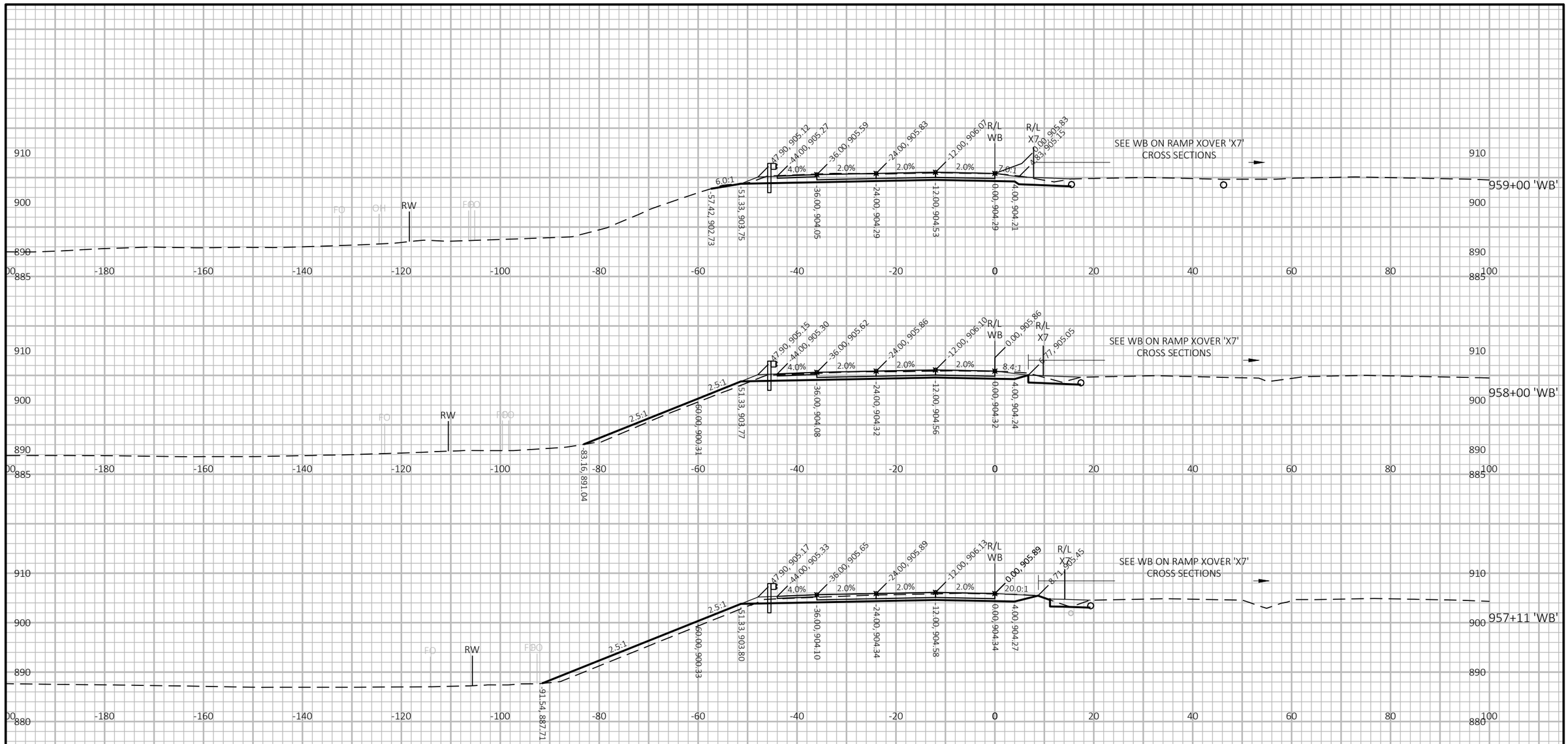
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1184	E

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LAYOUT NAME - 090245-xs

PLOT DATE : 11/16/2021 3:29 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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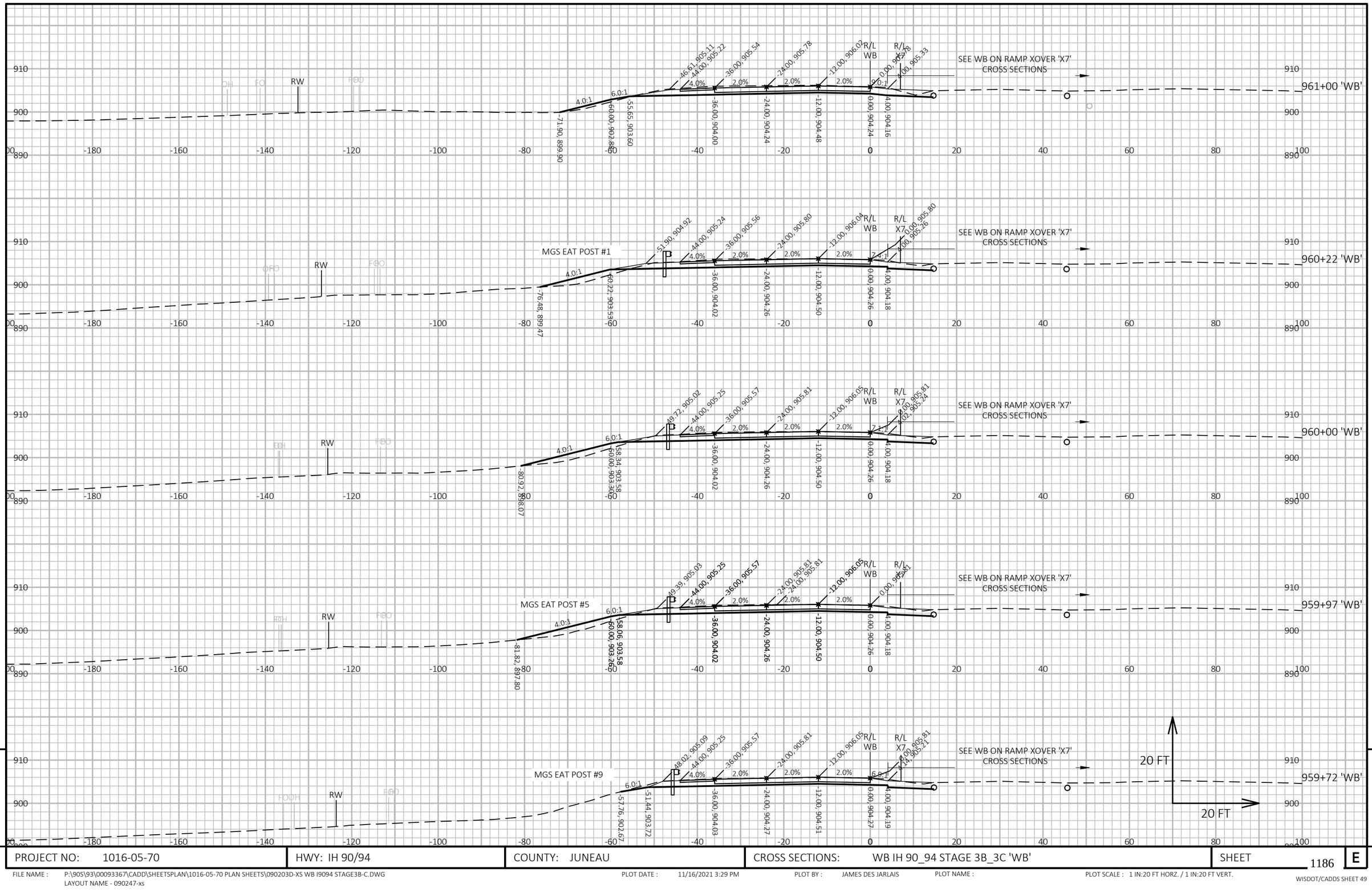
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1185	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090246-xs

PLOT DATE : 10/26/2021 7:12 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

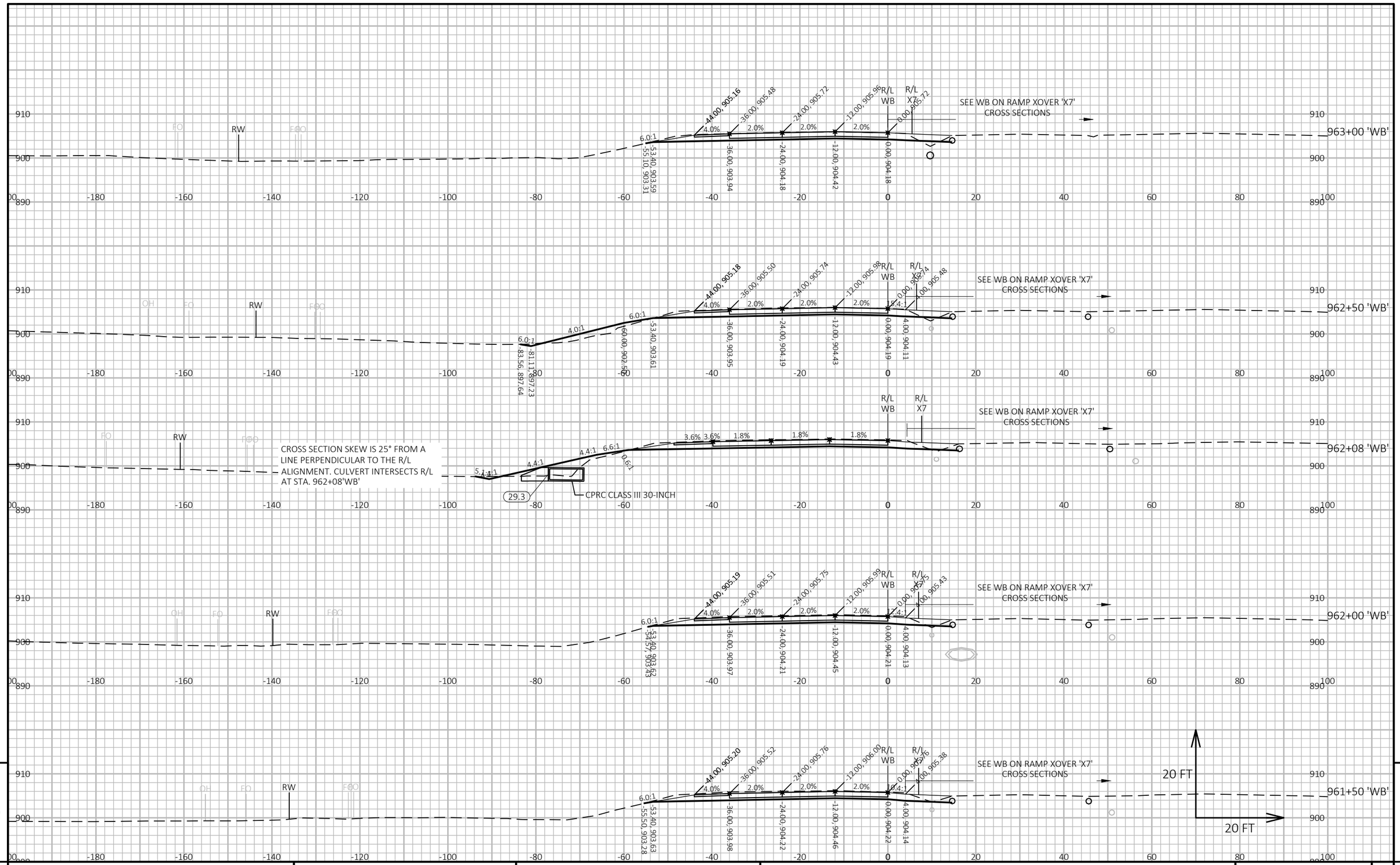


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1186	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090247-xs

PLOT DATE : 11/16/2021 3:29 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

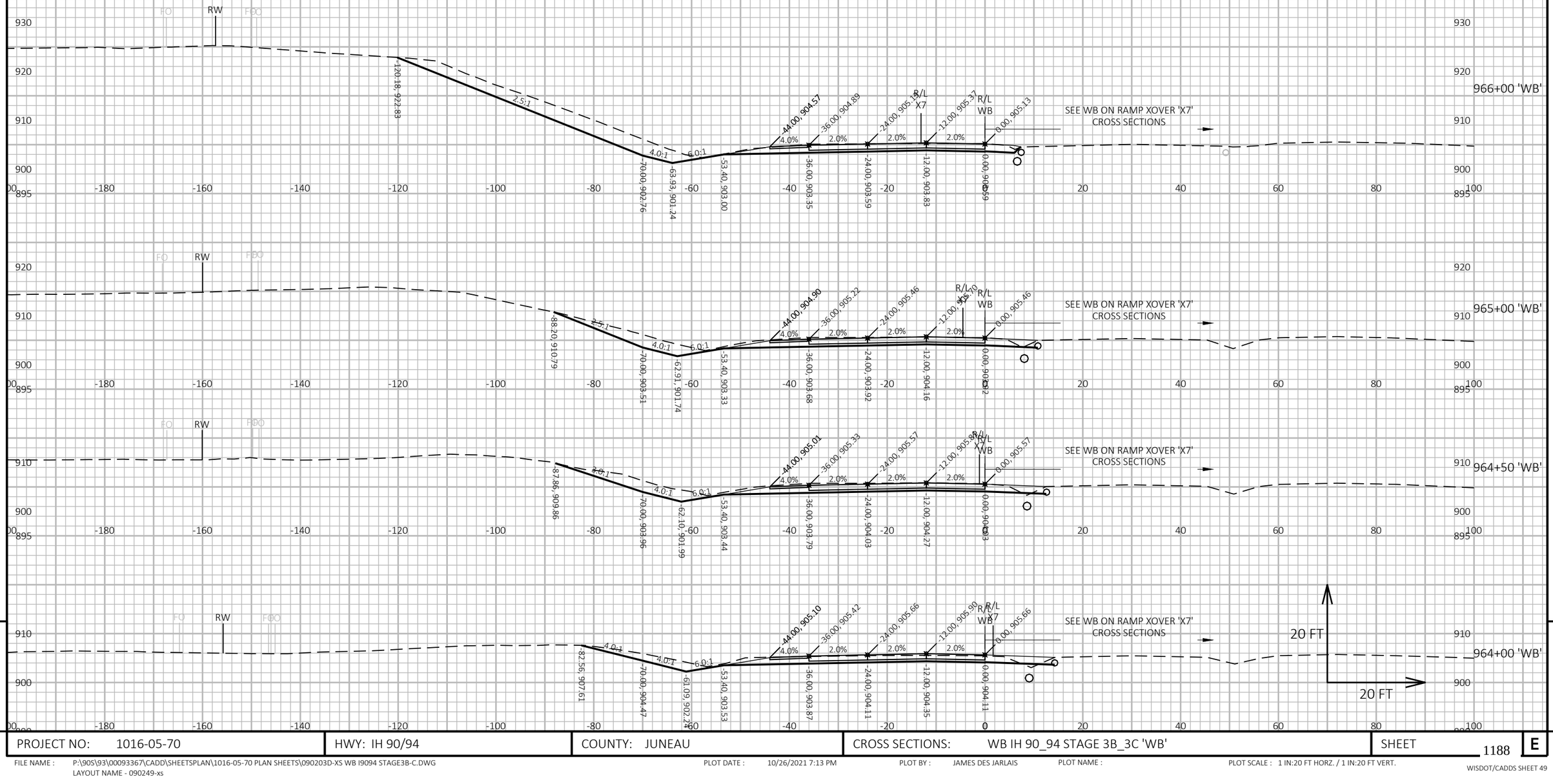


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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1187	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090248-xs
PLOT DATE : 10/26/2021 7:13 PM
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PLOT NAME :
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WISDOT/CADDS SHEET 49

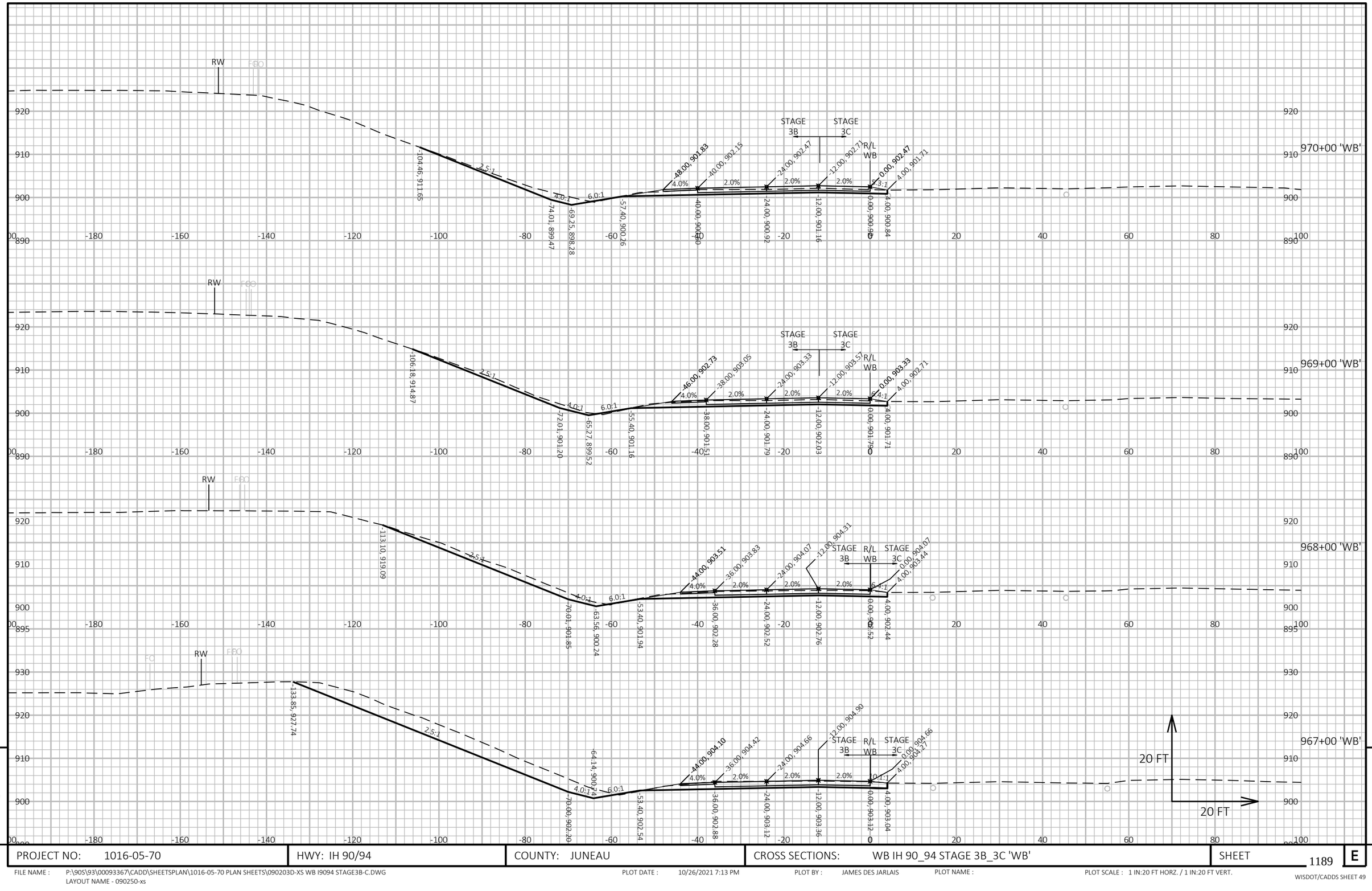


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1188 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090249-xs

PLOT DATE : 10/26/2021 7:13 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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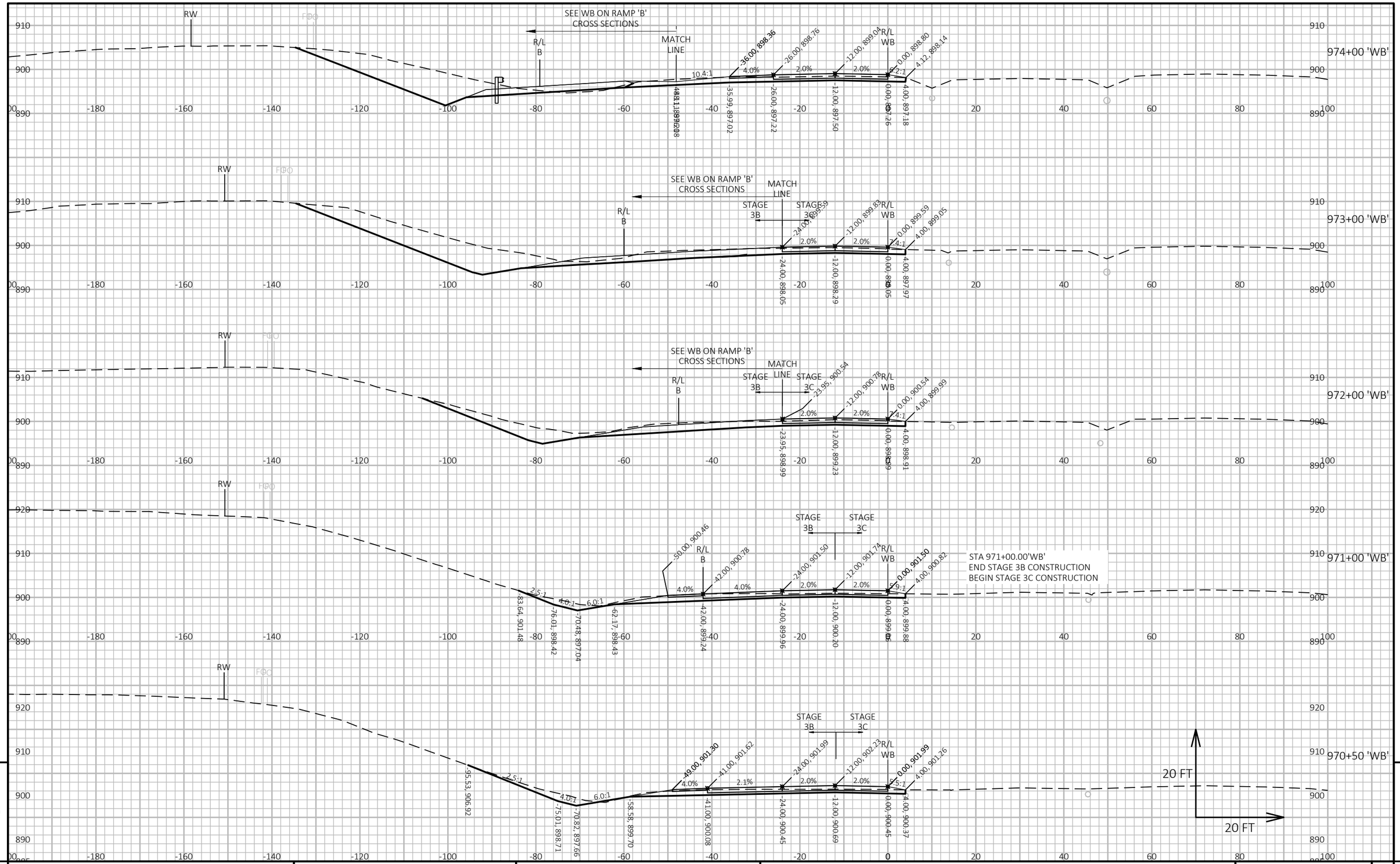
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1189 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090250-xs

PLOT DATE : 10/26/2021 7:13 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

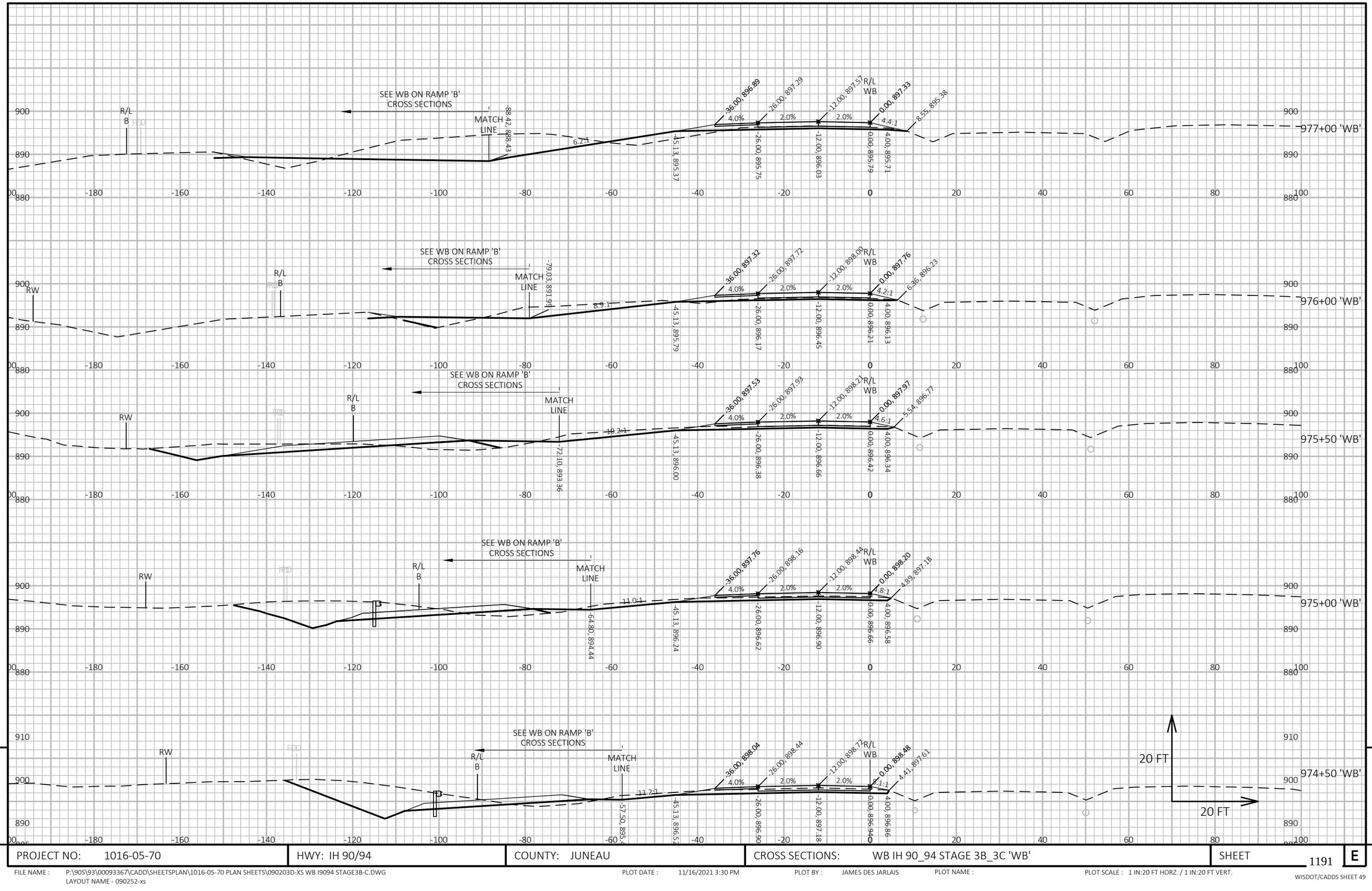


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1190 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090251-xs

PLOT DATE : 11/16/2021 3:30 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



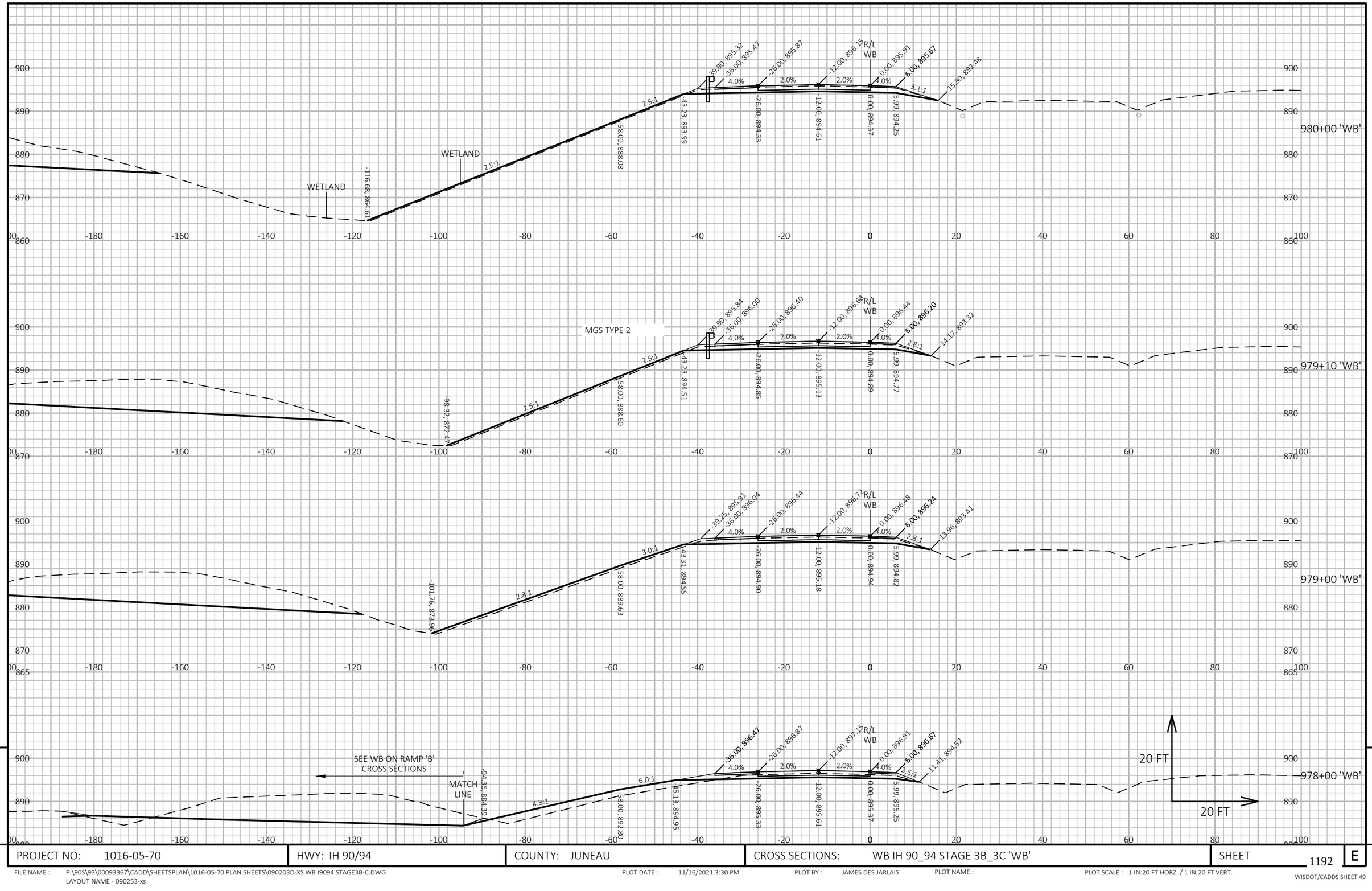
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1191 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090252-xs

PLOT DATE : 11/16/2021 3:30 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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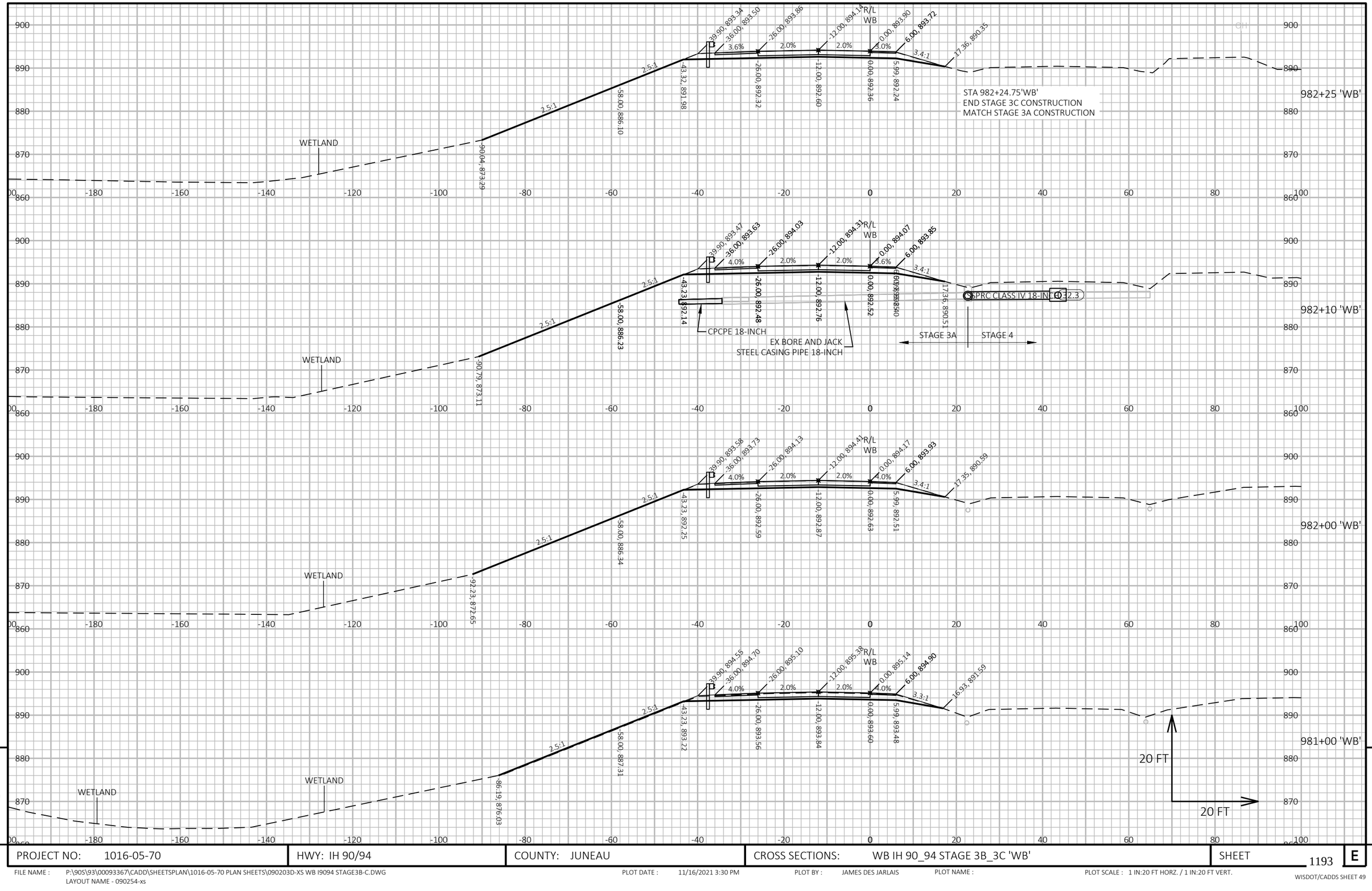
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1192 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090253-xs

PLOT DATE : 11/16/2021 3:30 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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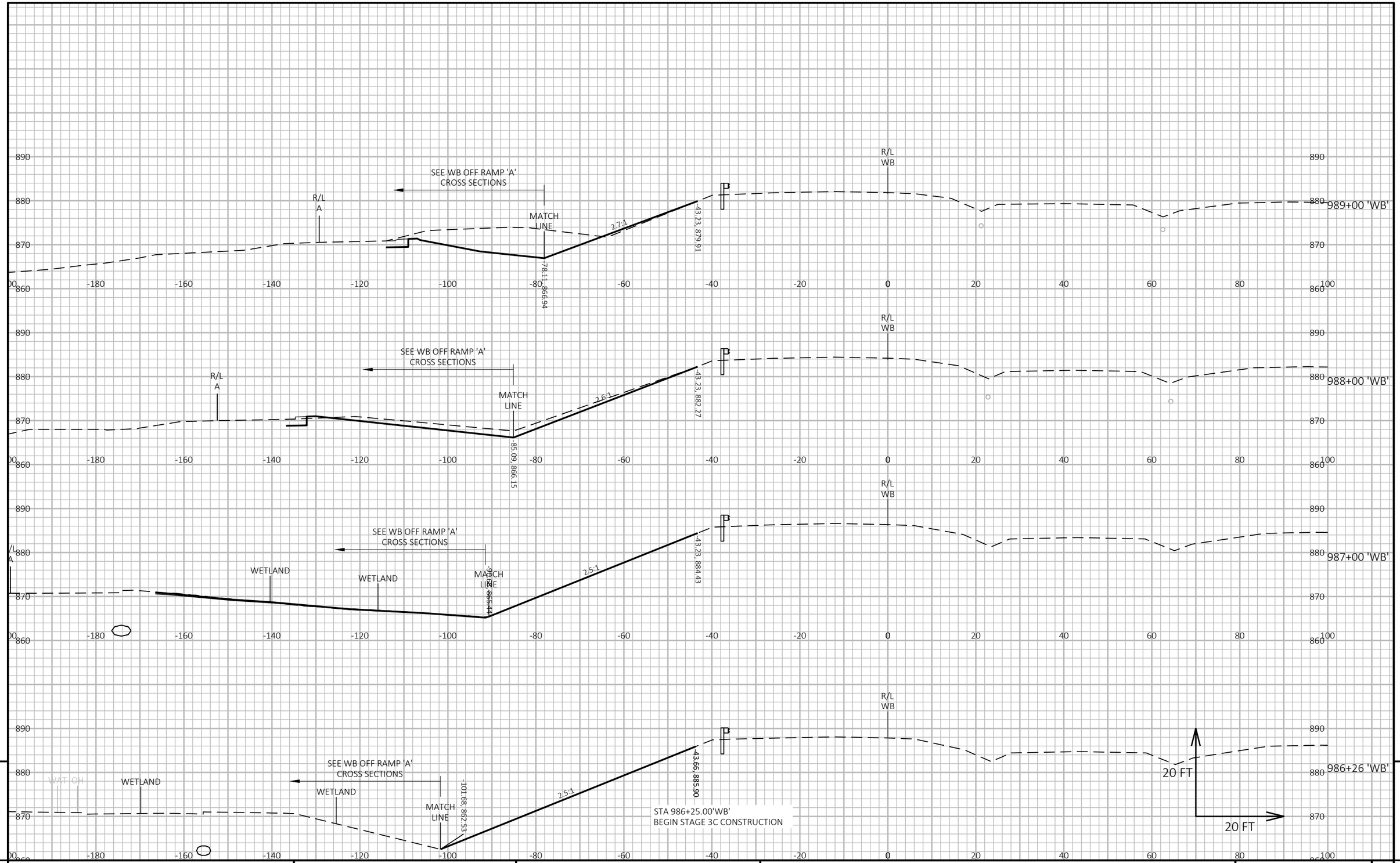
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1193	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090254-xs

PLOT DATE : 11/16/2021 3:30 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



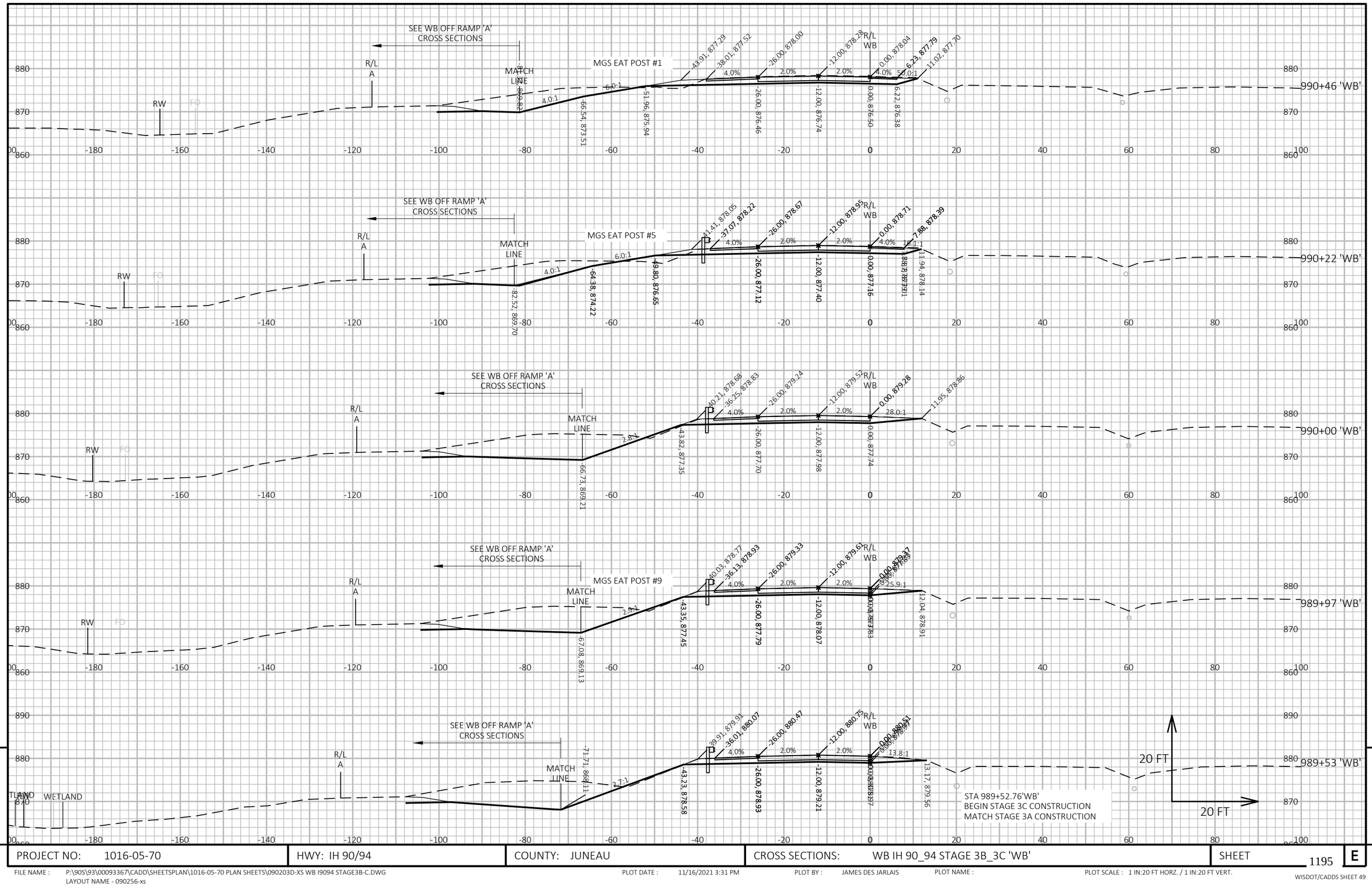
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1194	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090255-xs

PLOT DATE : 11/16/2021 3:30 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

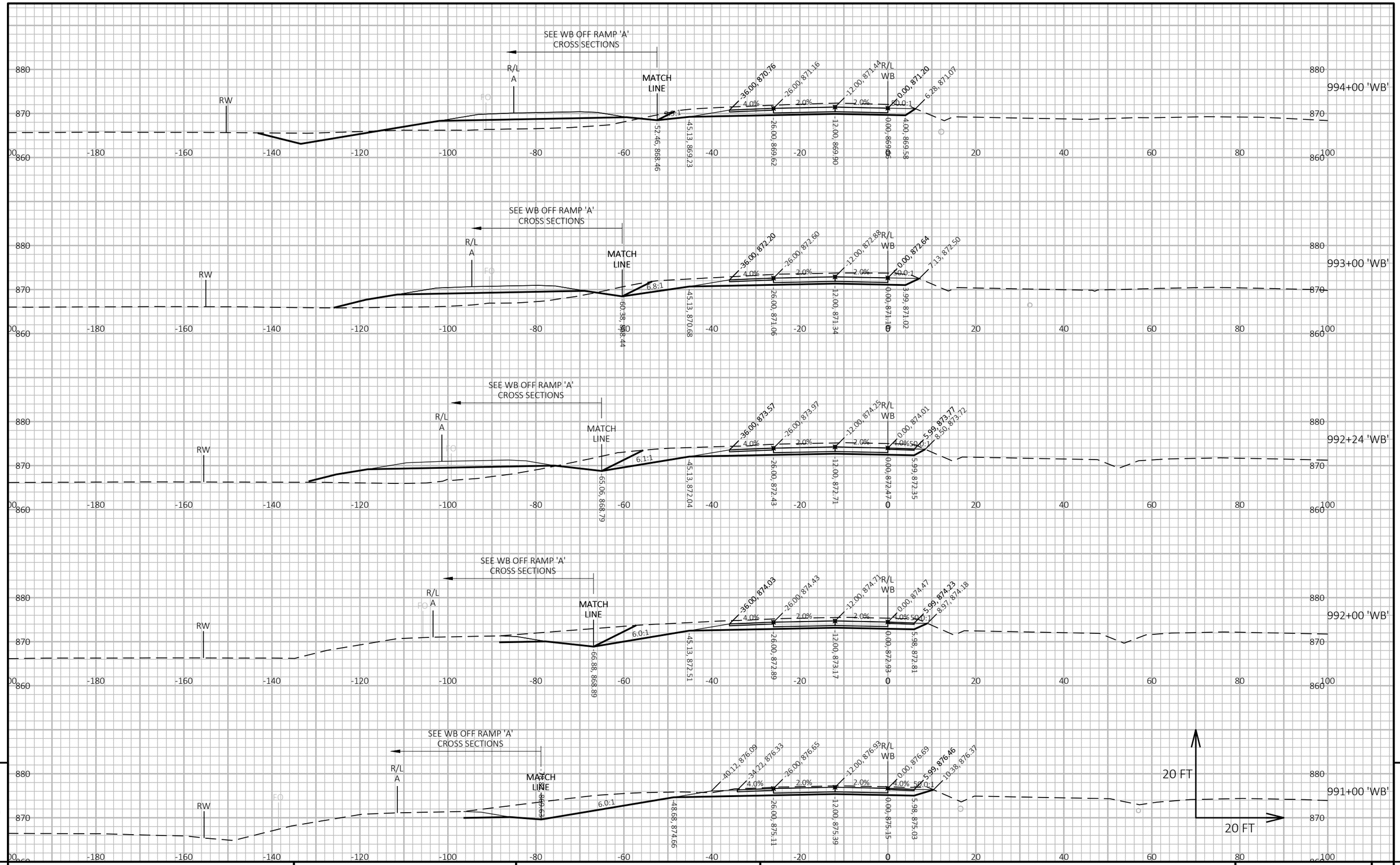


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1195	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090256-xs

PLOT DATE : 11/16/2021 3:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



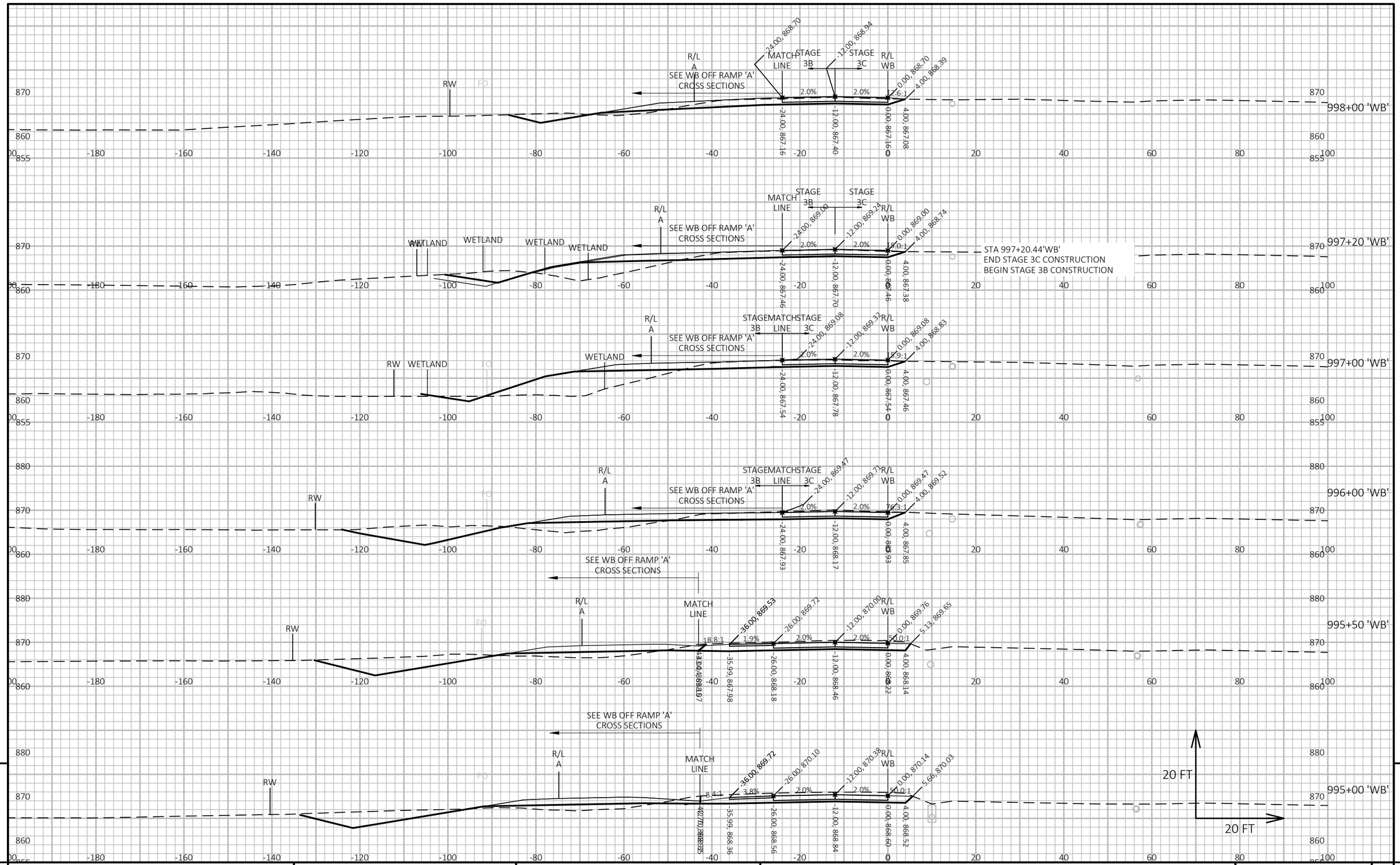
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1196 E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090257-xs

PLOT DATE : 11/16/2021 3:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

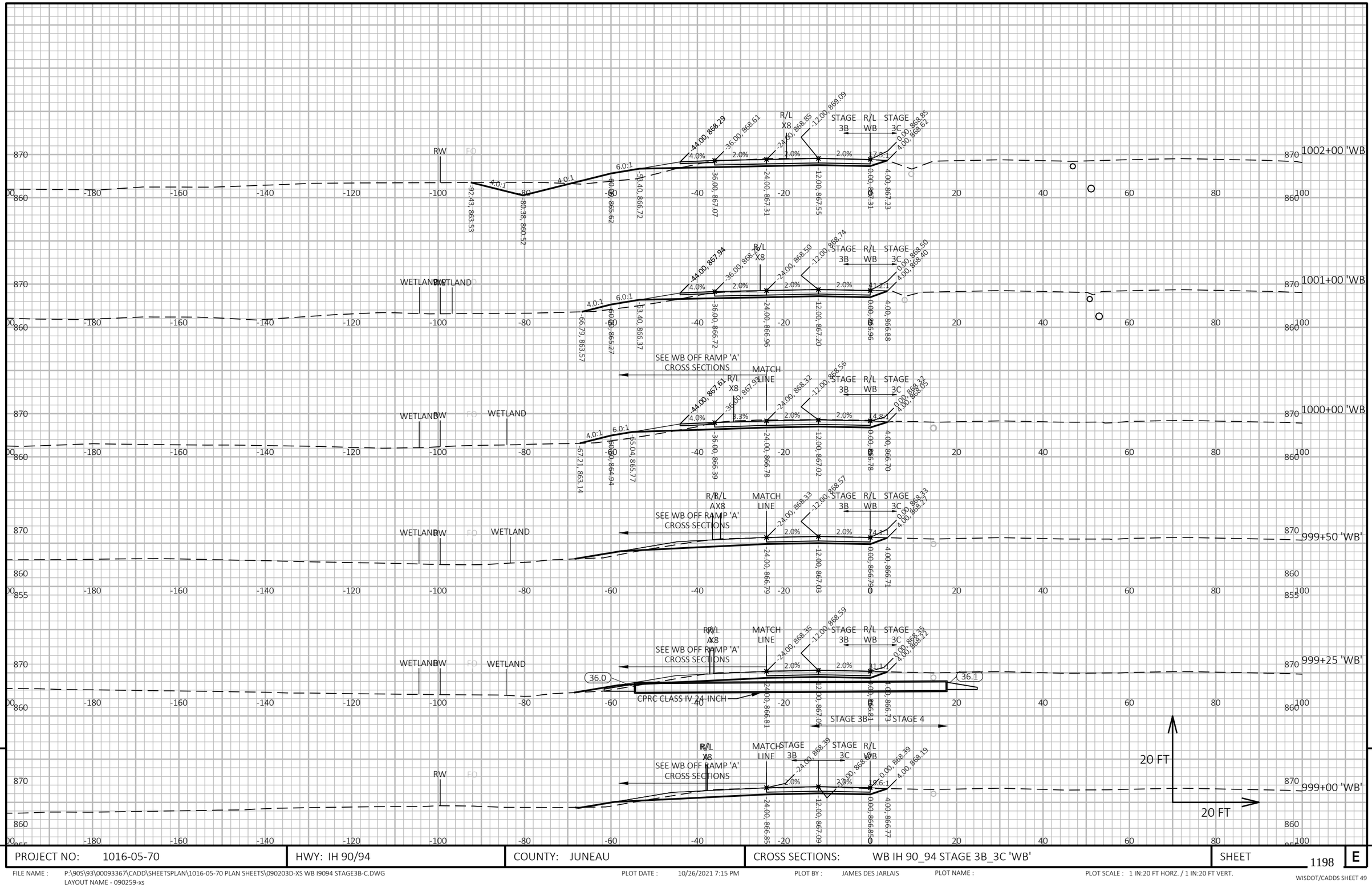


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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1197	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090258-xs

PLOT DATE : 10/26/2021 7:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

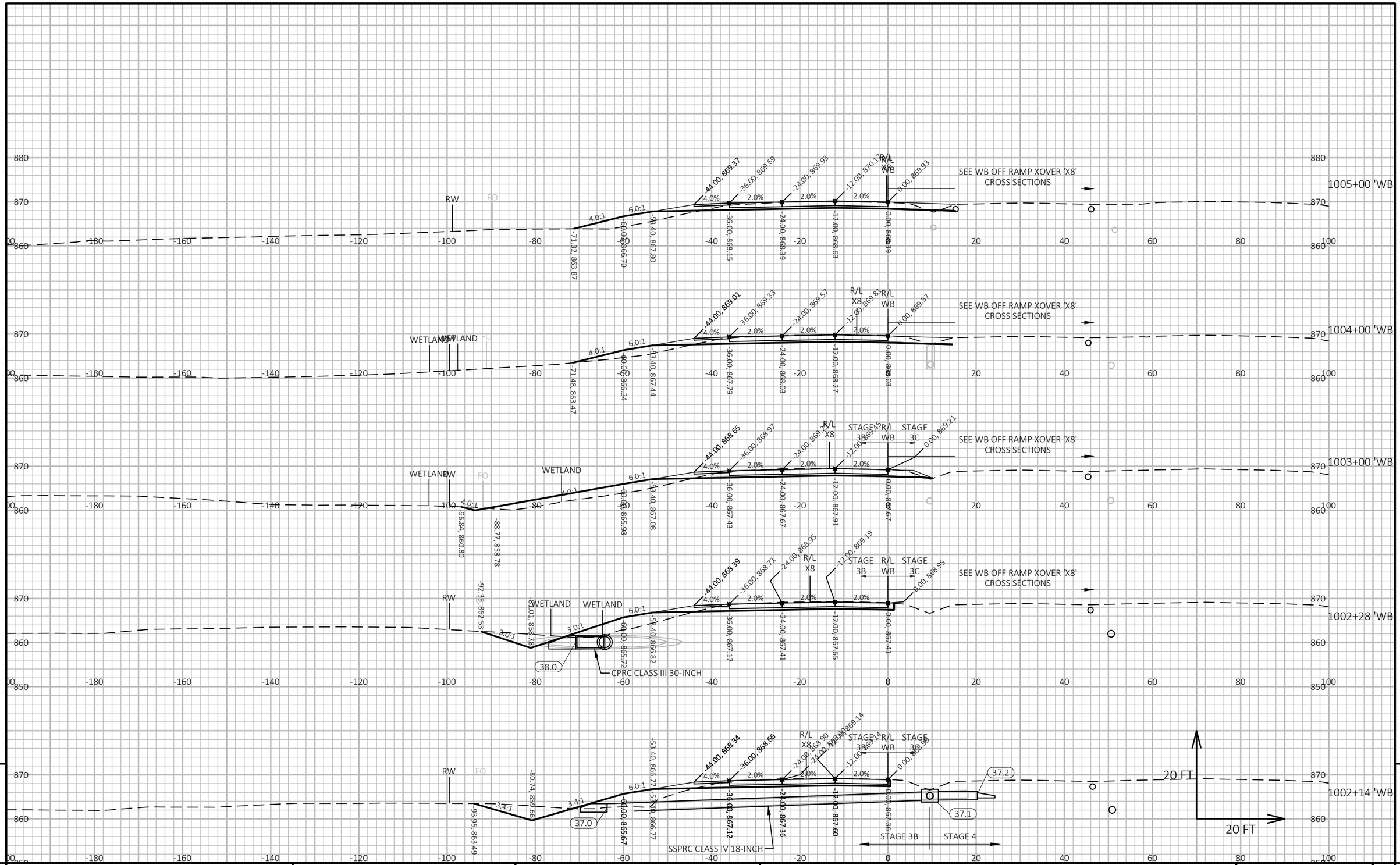


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1198 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090259-xs

PLOT DATE : 10/26/2021 7:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



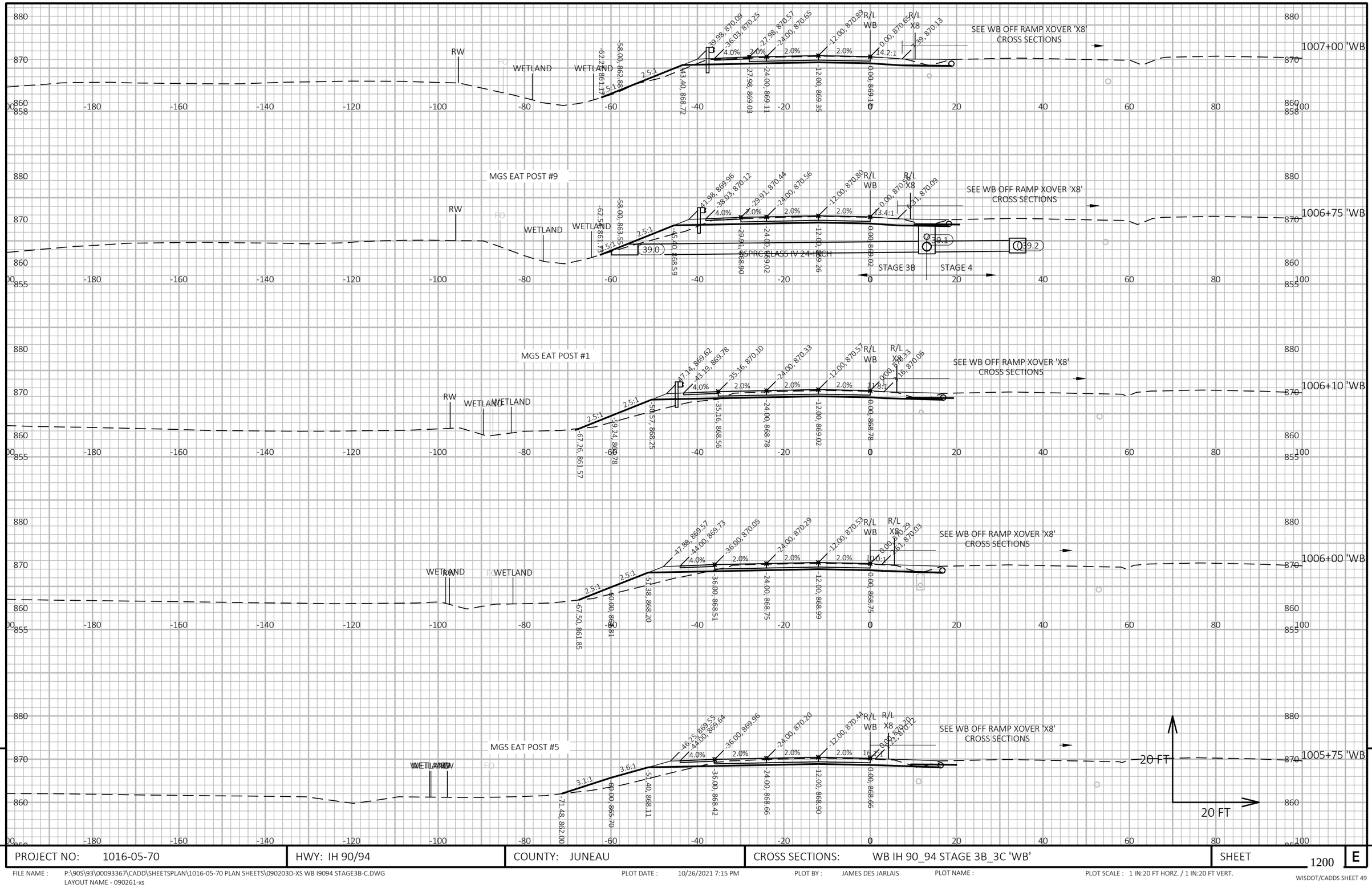
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1199 E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090260-xs

PLOT DATE : 11/16/2021 3:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

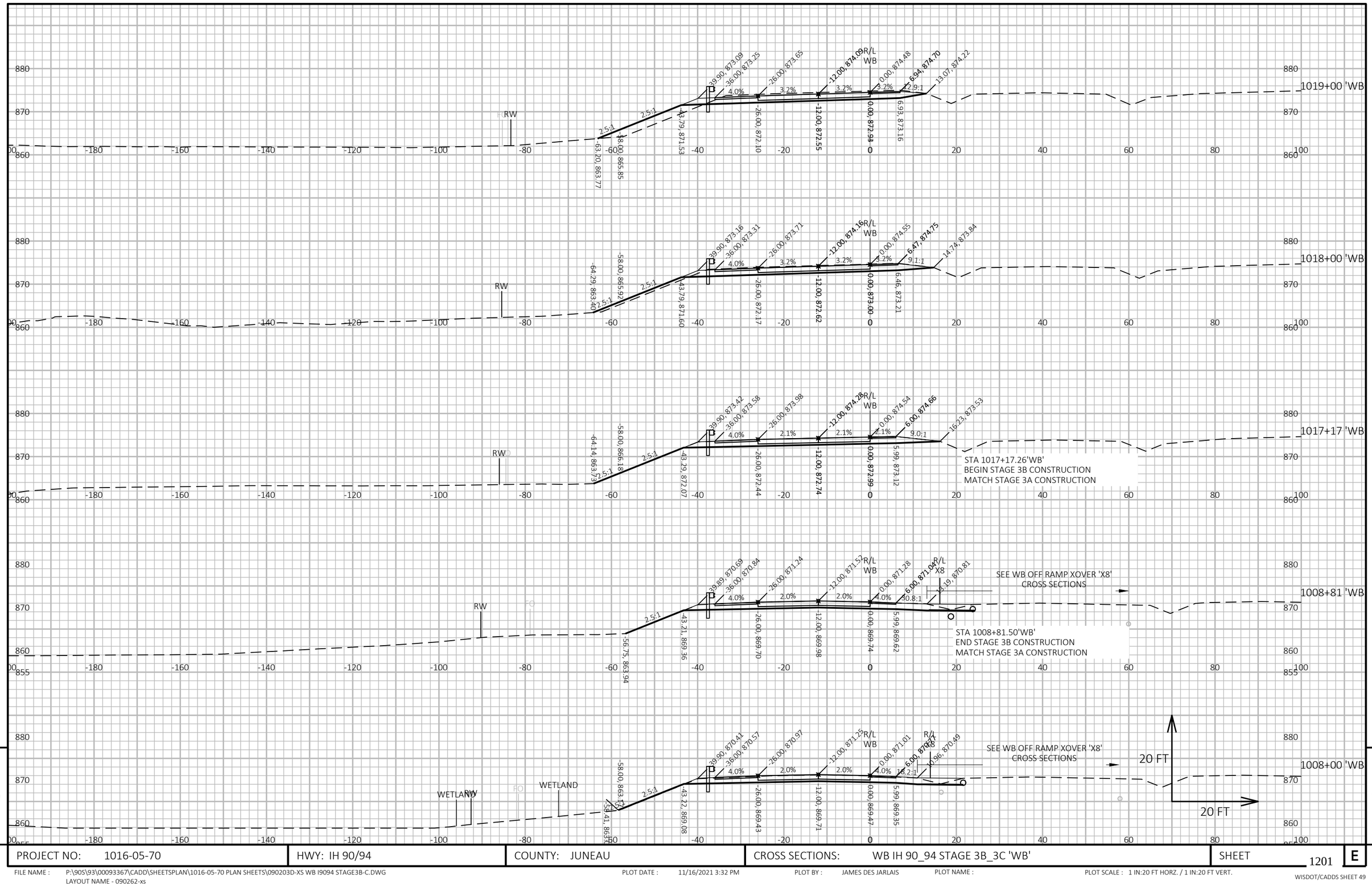


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1200 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090261-xs

PLOT DATE : 10/26/2021 7:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

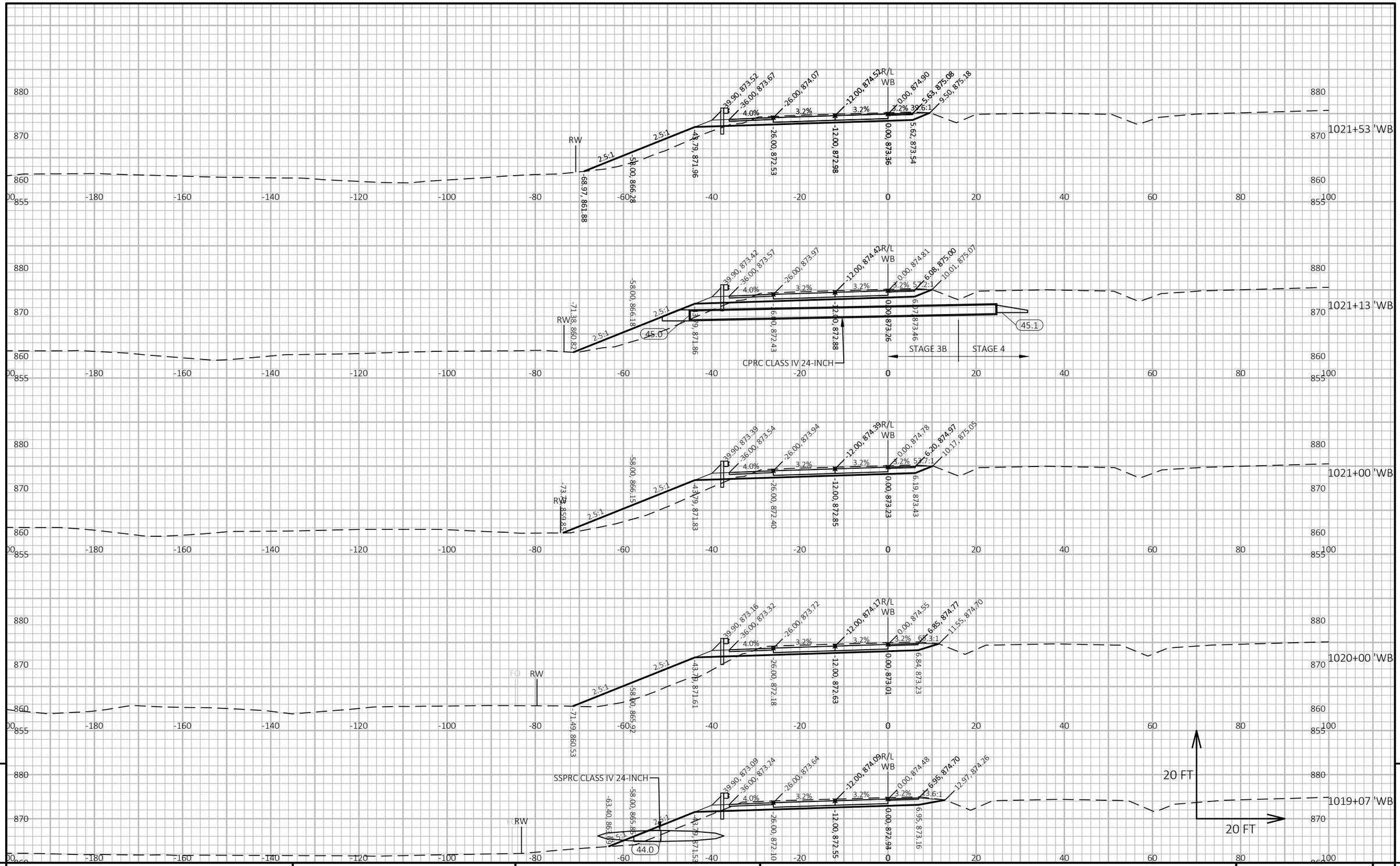


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1201	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090262-xs

PLOT DATE : 11/16/2021 3:32 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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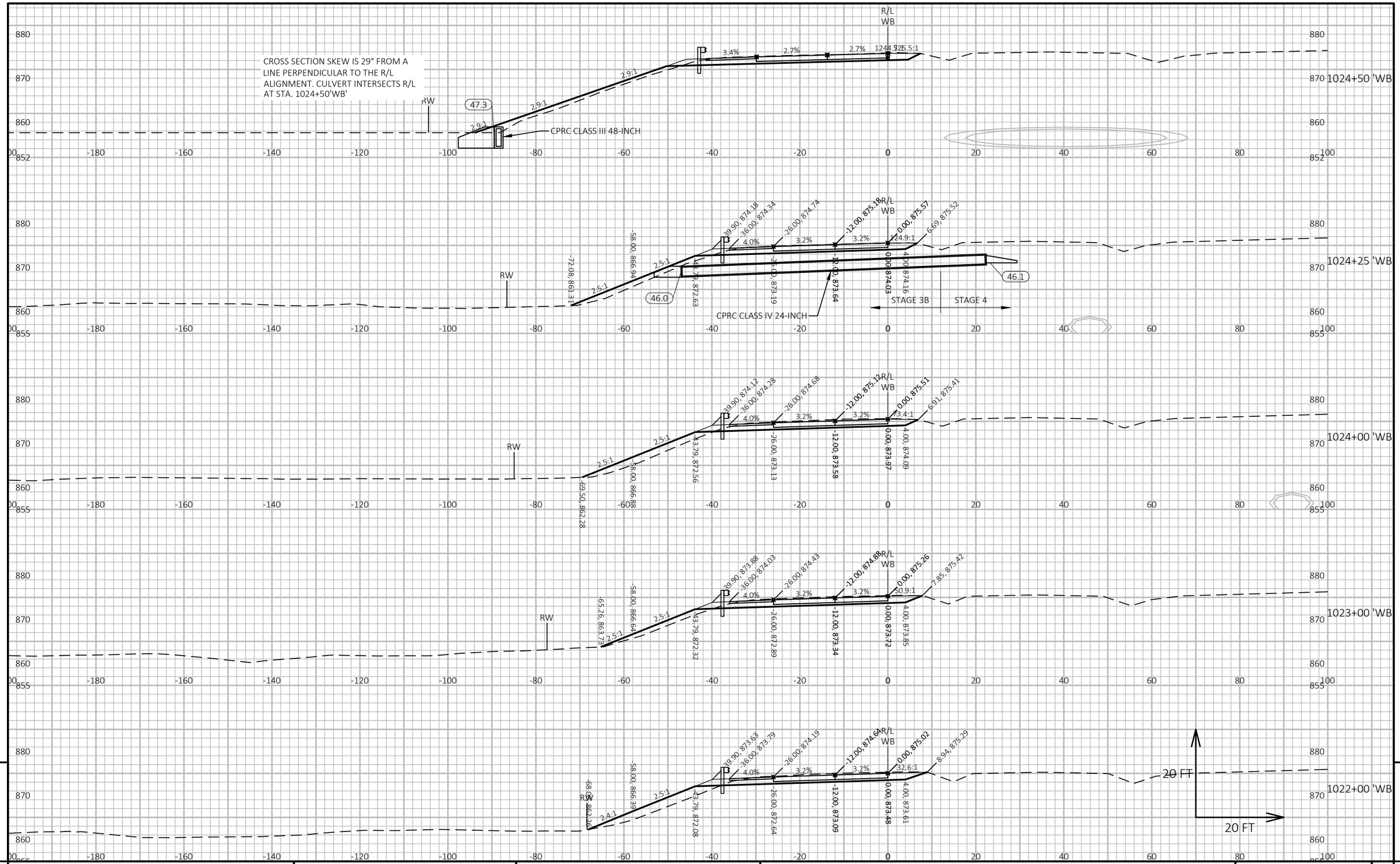
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FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090263-xs

PLOT DATE : 10/26/2021 7:15 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTION SKEW IS 29° FROM A LINE PERPENDICULAR TO THE R/L ALIGNMENT. CULVERT INTERSECTS R/L AT STA. 1024+50'WB'



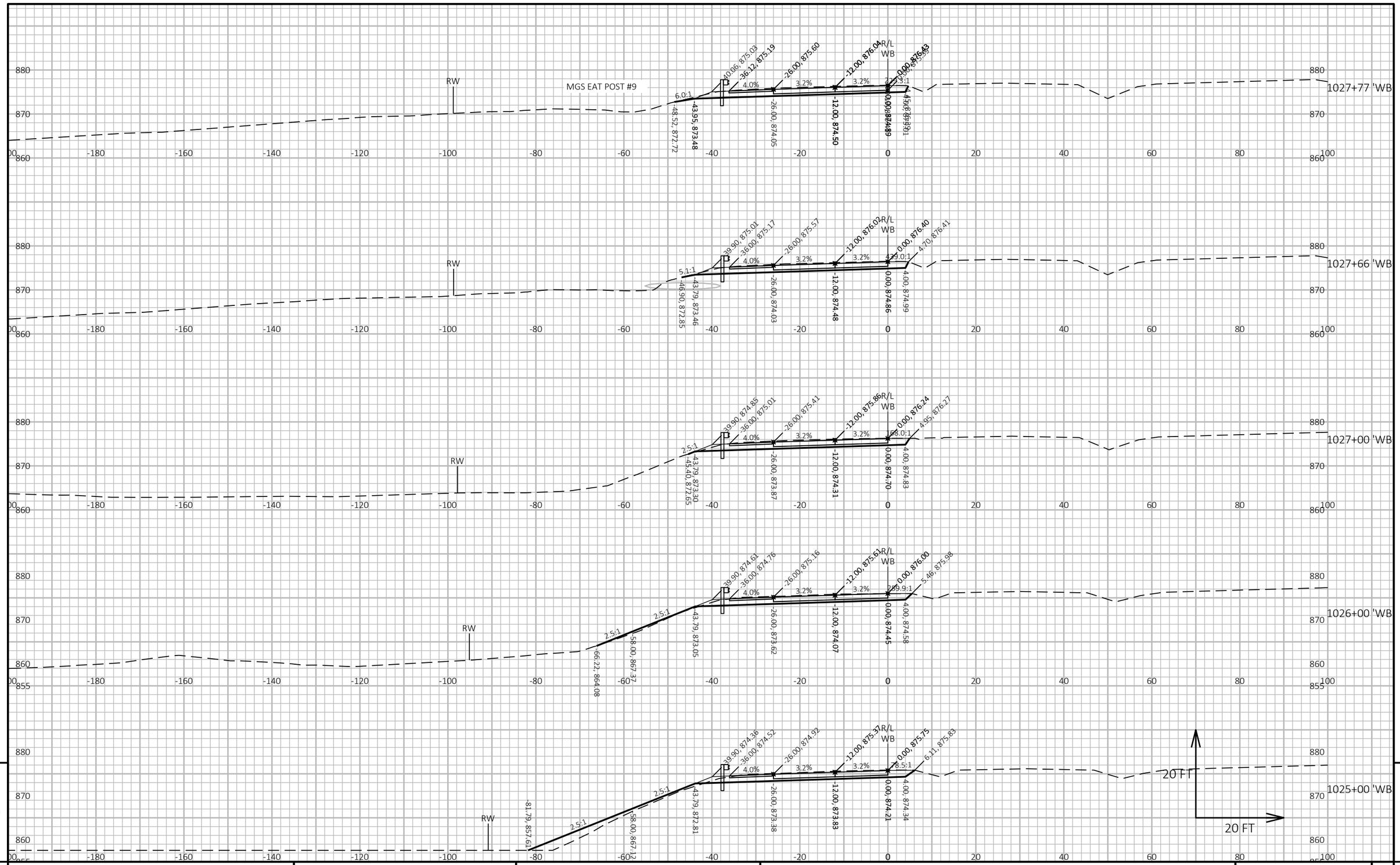
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1203	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090264-xs

PLOT DATE : 11/16/2021 3:32 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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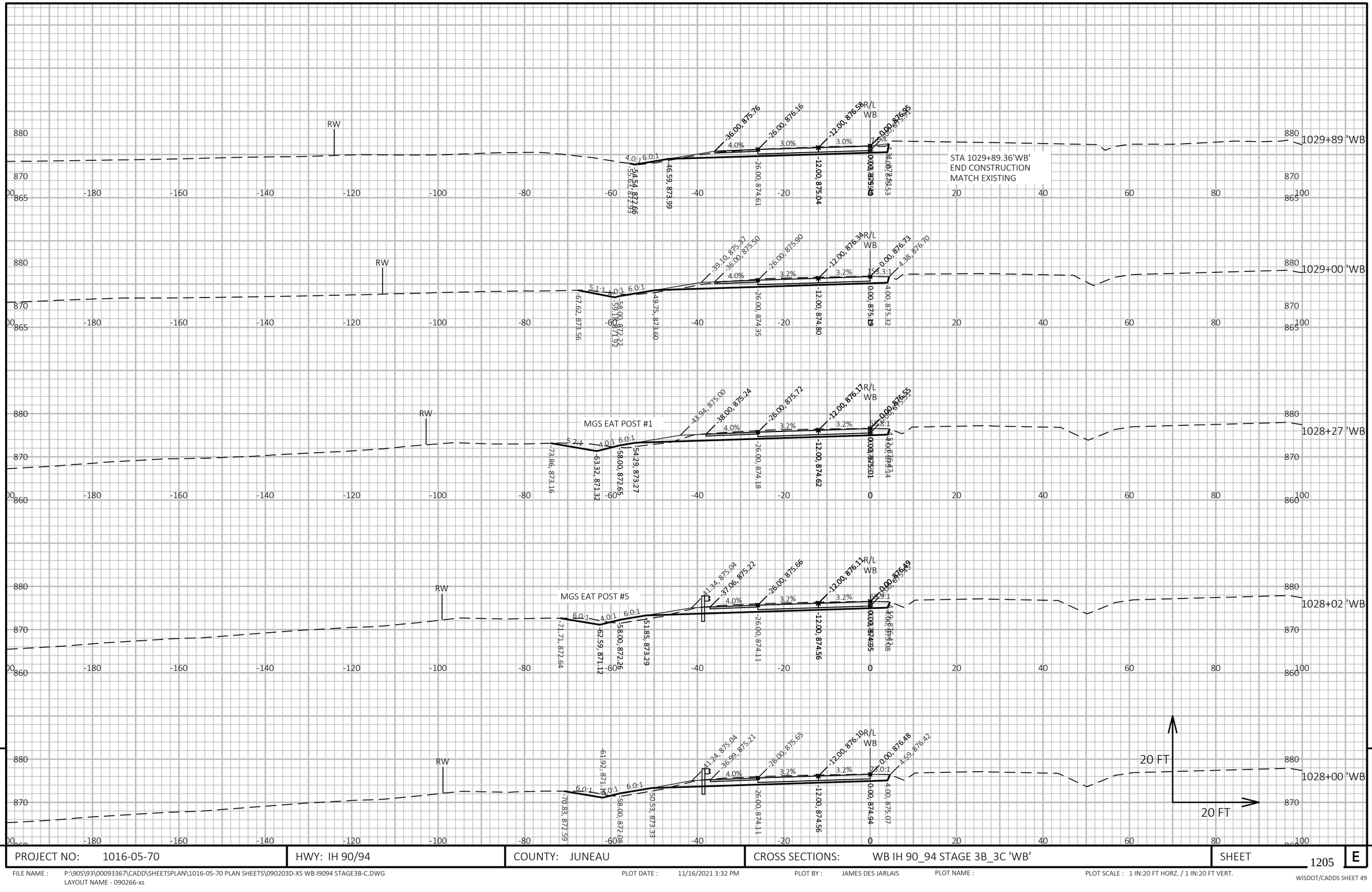
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1204	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090265-xs

PLOT DATE : 11/16/2021 3:32 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



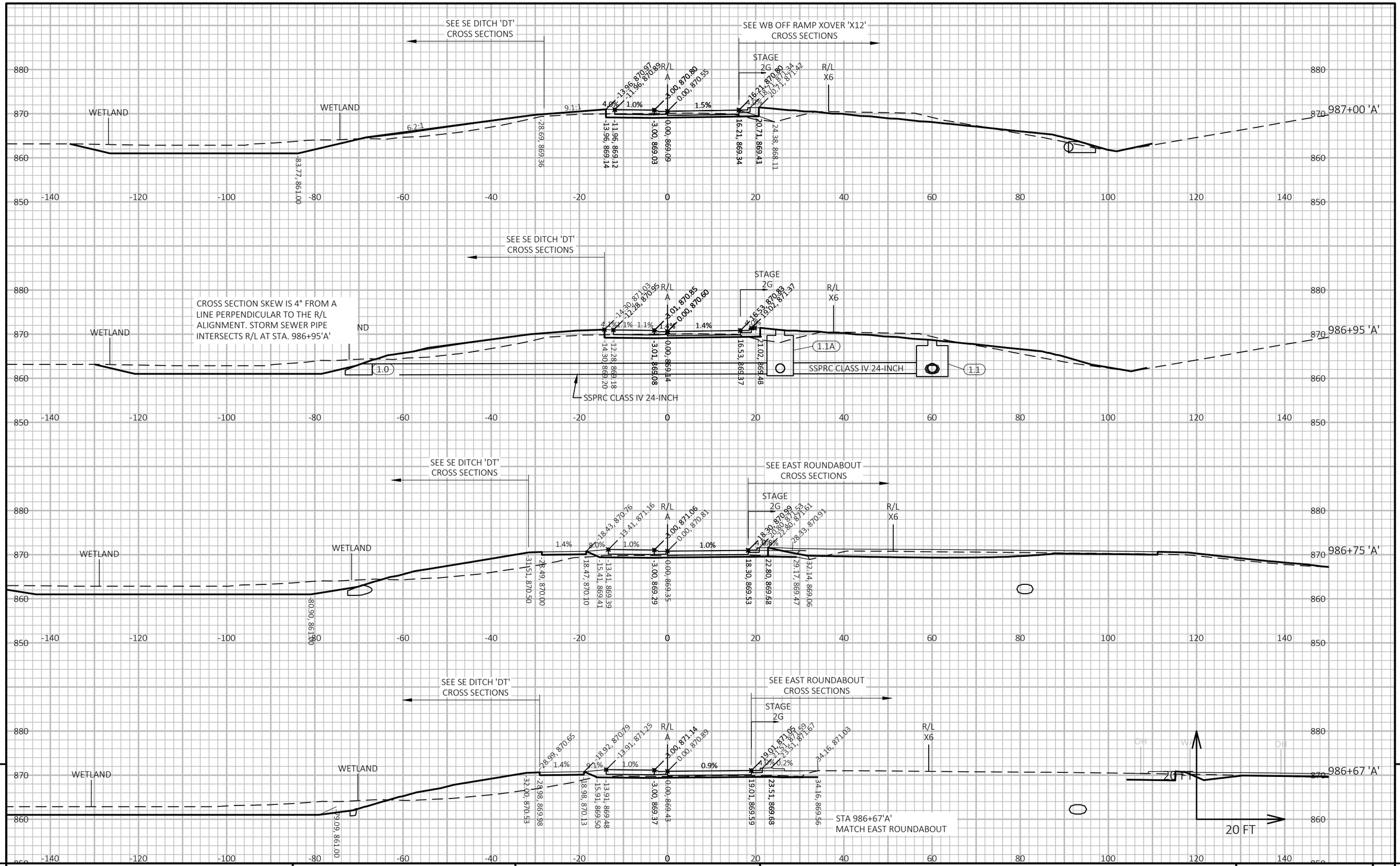
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB IH 90_94 STAGE 3B_3C 'WB'	SHEET 1205 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB I9094 STAGE3B-C.DWG
LAYOUT NAME - 090266-xs

PLOT DATE : 11/16/2021 3:32 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



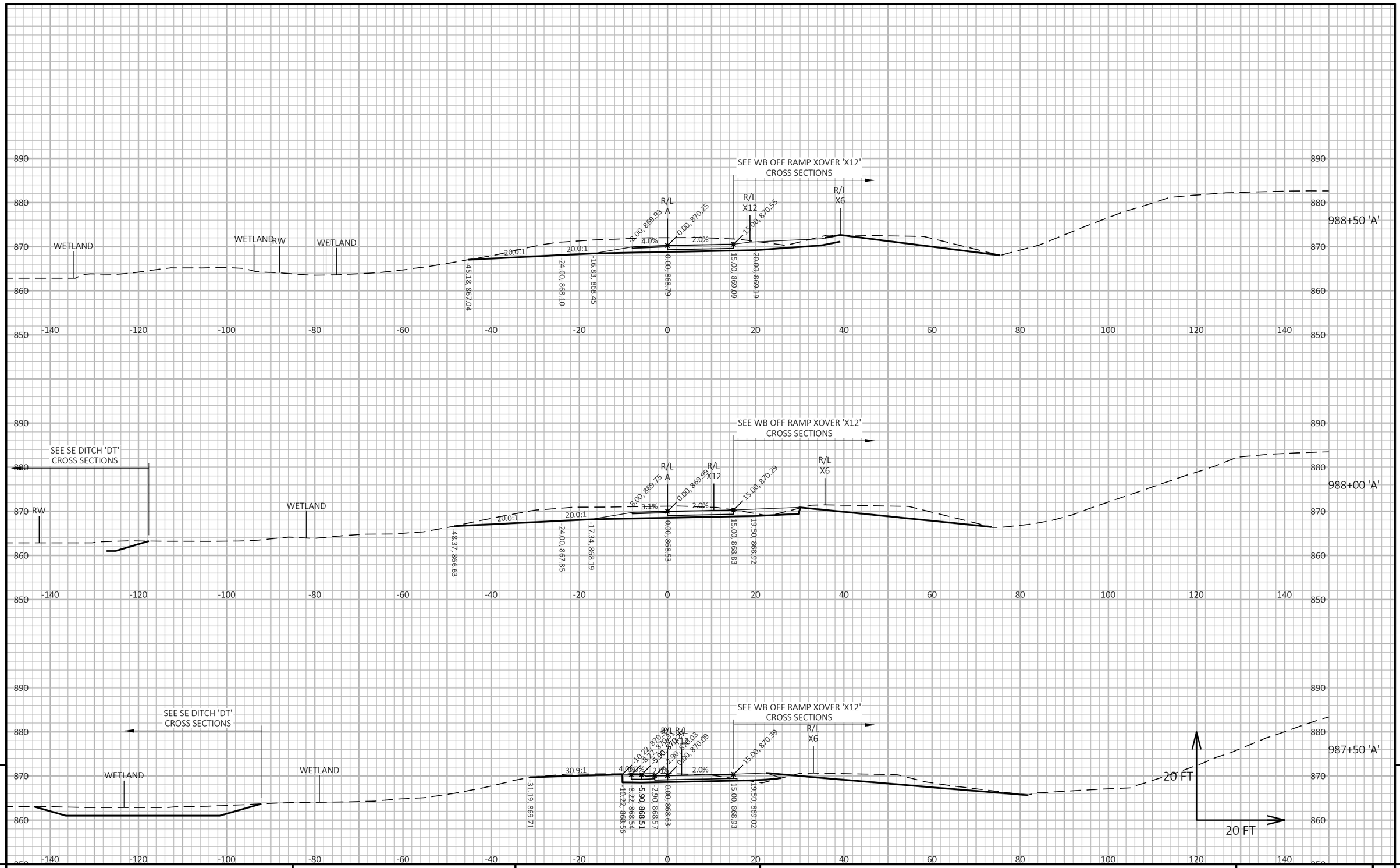
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP STAGE 2C 'A'	SHEET 1206	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203B-XS WB RAMPS STAGE 2.DWG
LAYOUT NAME - 090267-xs

PLOT DATE : 11/16/2021 2:11 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

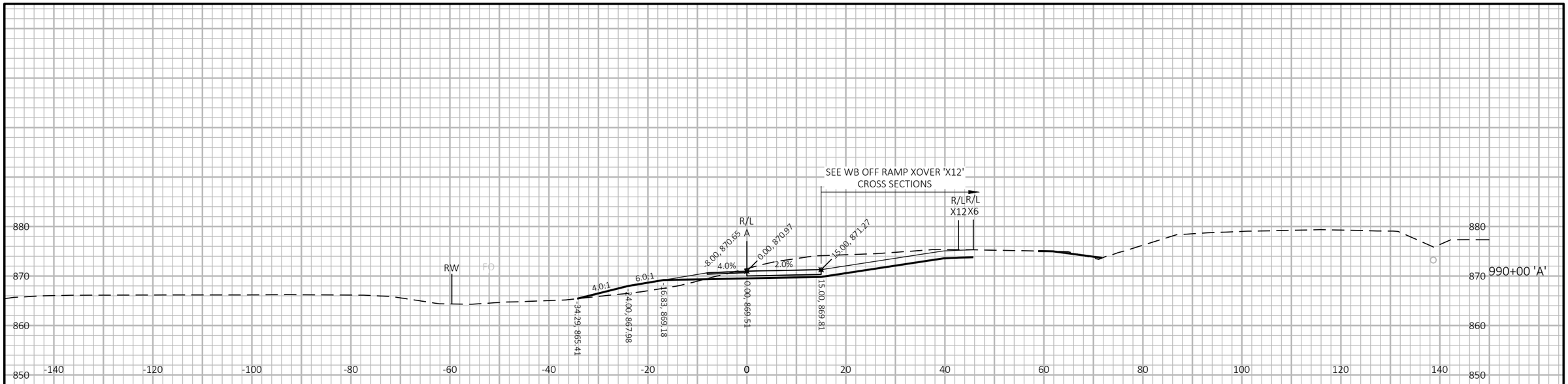
WISDOT/CADDS SHEET 49

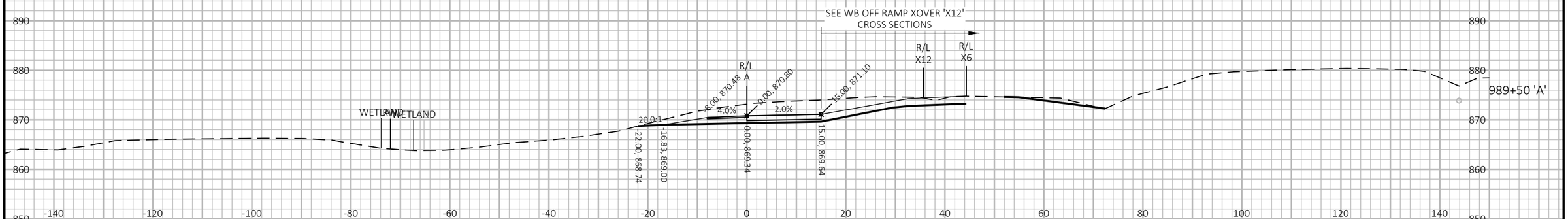


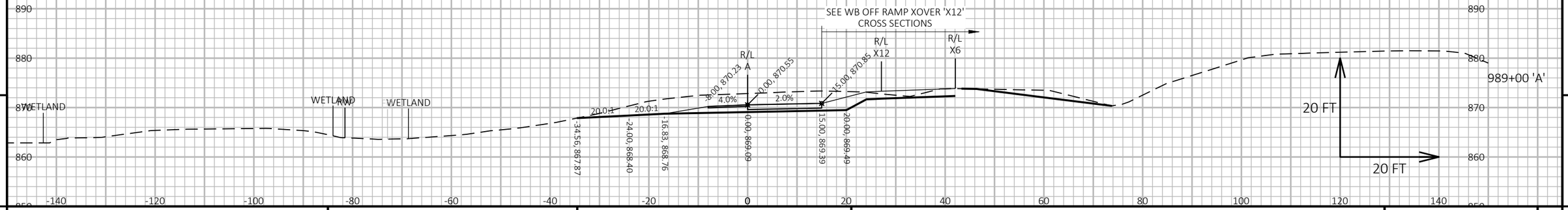
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP STAGE 2C 'A'	SHEET 1207 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203B-XS WB RAMPS STAGE 2.DWG
LAYOUT NAME - 090268-xs

PLOT DATE : 11/16/2021 2:11 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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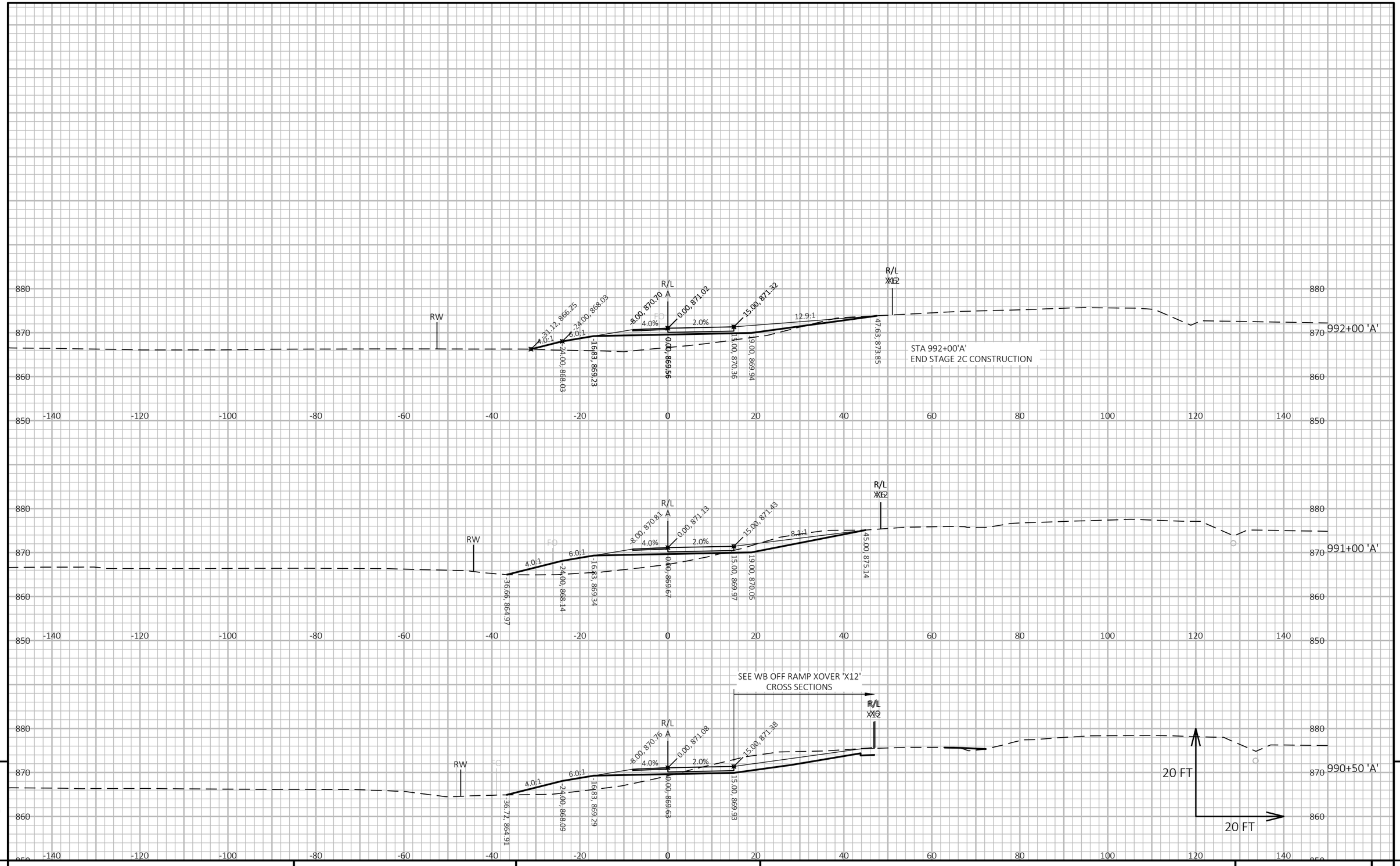
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP STAGE 2C 'A'	SHEET 1208	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203B-XS WB RAMPS STAGE 2.DWG
LAYOUT NAME - 090269-xs

PLOT DATE : 10/26/2021 2:54 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



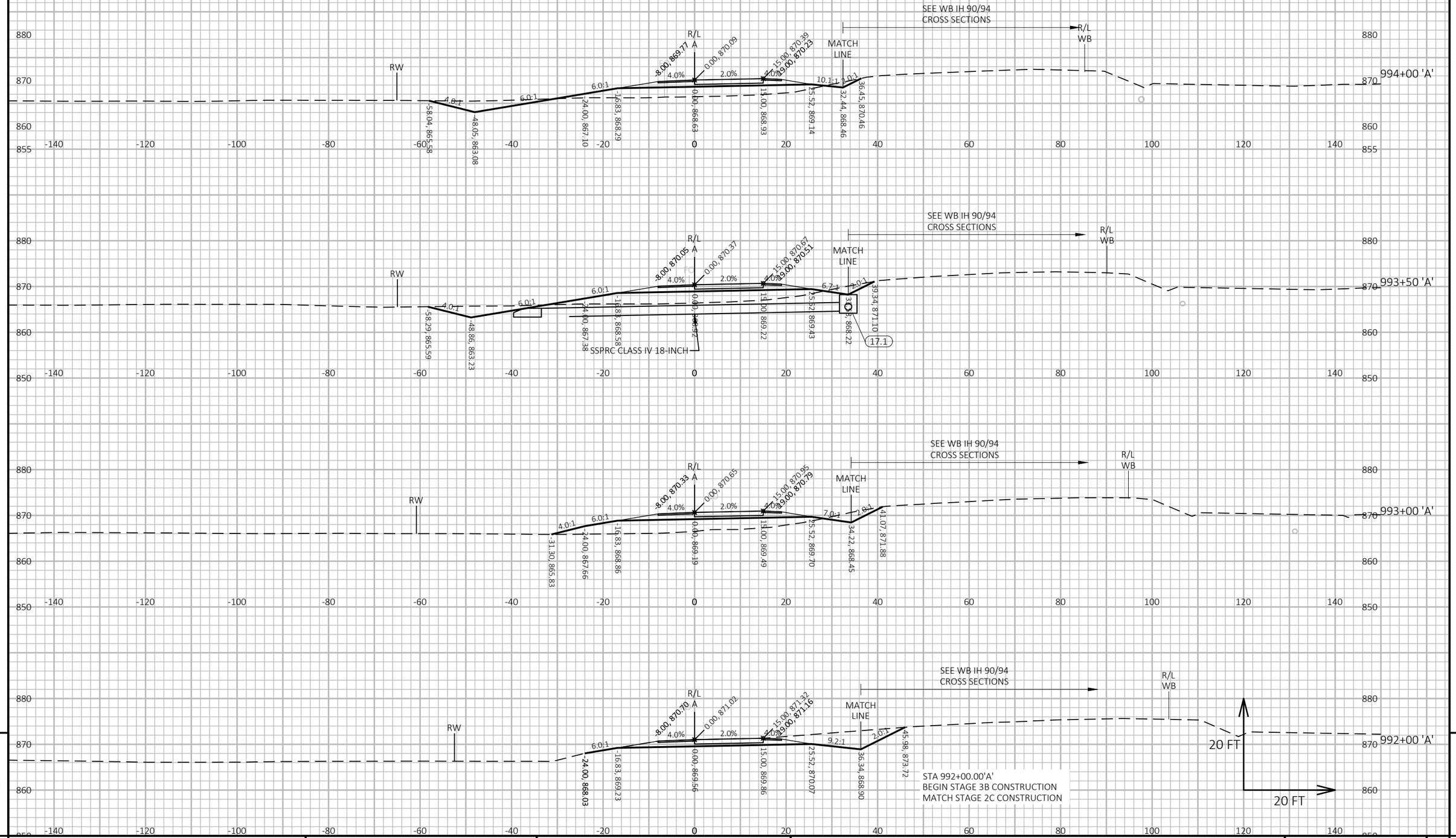
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP STAGE 2C 'A'	SHEET 1209	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203B-XS WB RAMPS STAGE 2.DWG
LAYOUT NAME - 090270-xs

PLOT DATE : 10/26/2021 2:54 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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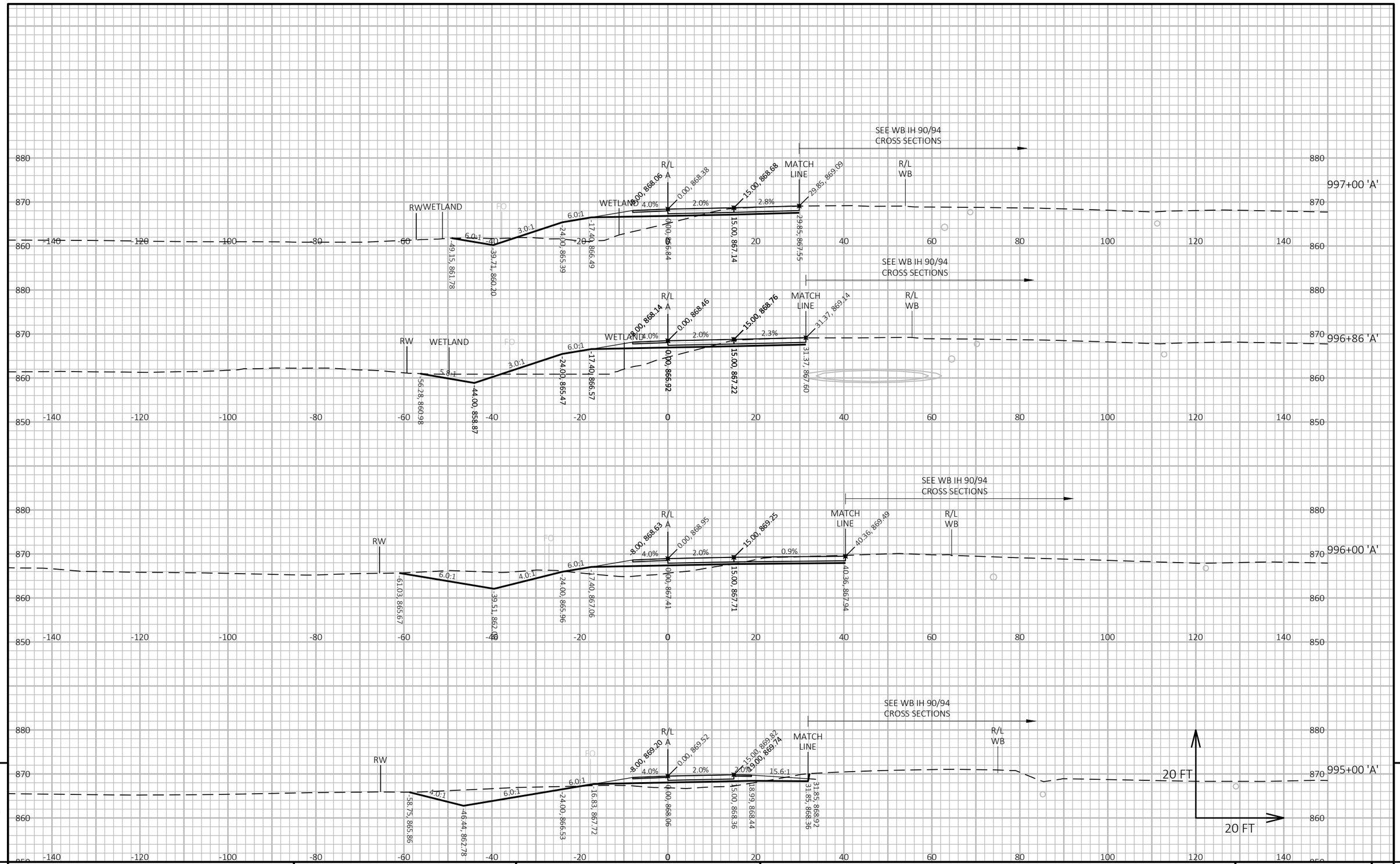
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP STAGE 3B 'A'	SHEET 1210	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203C-XS WB RAMPS STAGE 3B.DWG
LAYOUT NAME - 090267-xs

PLOT DATE : 10/26/2021 8:58 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

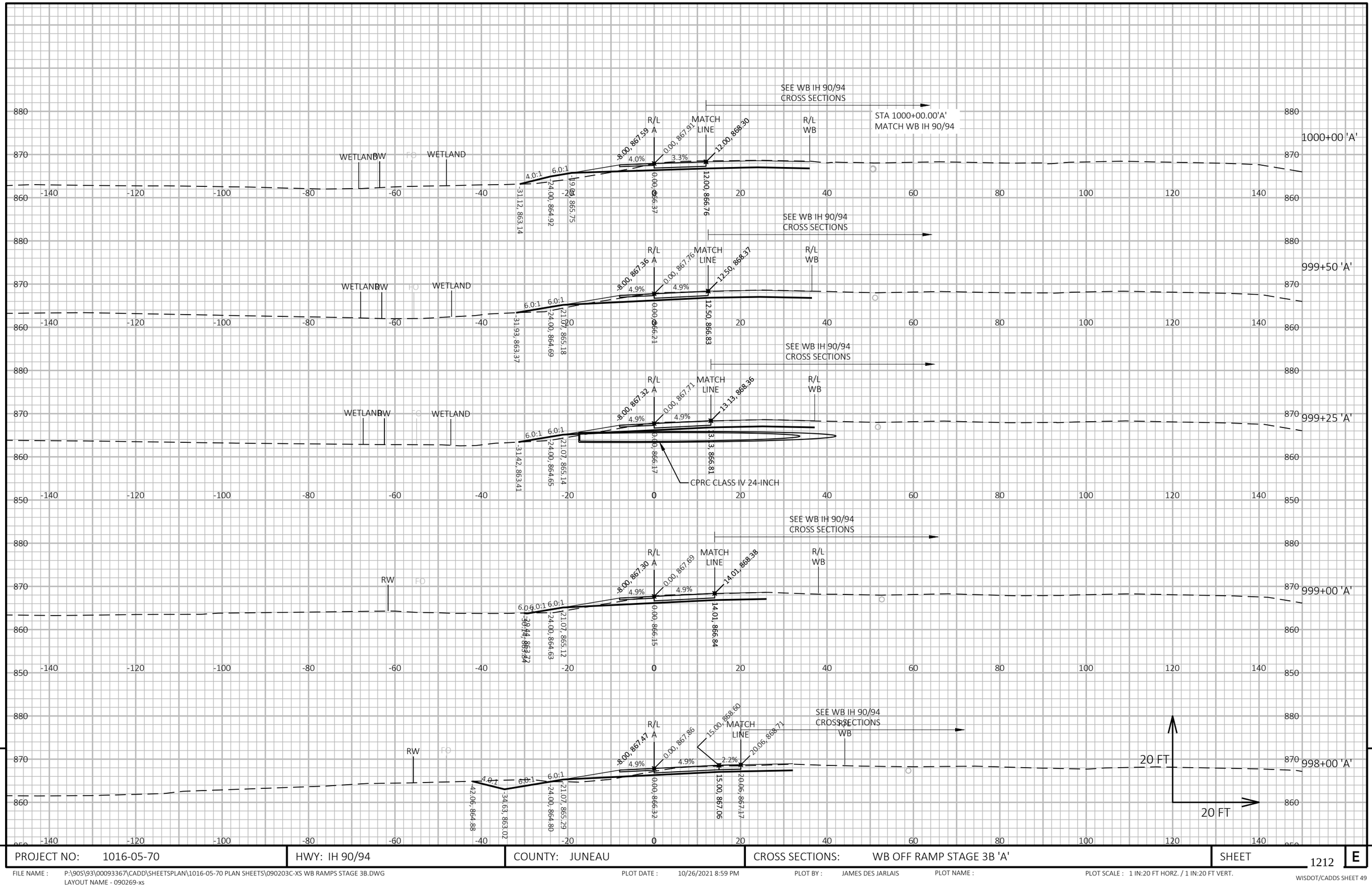


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP STAGE 3B 'A'	SHEET 1211 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203C-XS WB RAMPS STAGE 3B.DWG
LAYOUT NAME - 090268-xs

PLOT DATE : 10/26/2021 8:59 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

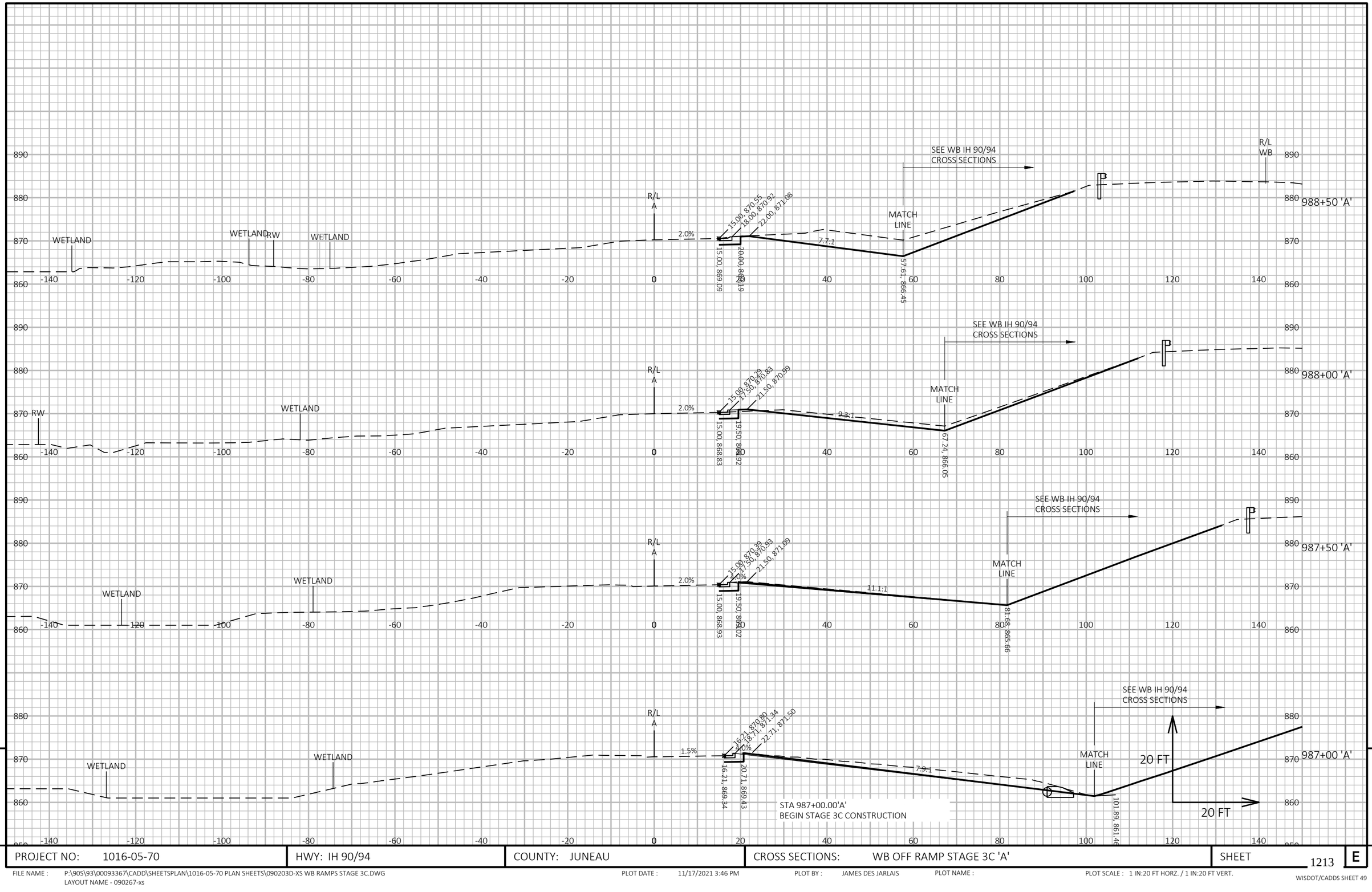


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP STAGE 3B 'A'	SHEET 1212 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203C-XS WB RAMPS STAGE 3B.DWG
LAYOUT NAME - 090269-xs

PLOT DATE : 10/26/2021 8:59 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

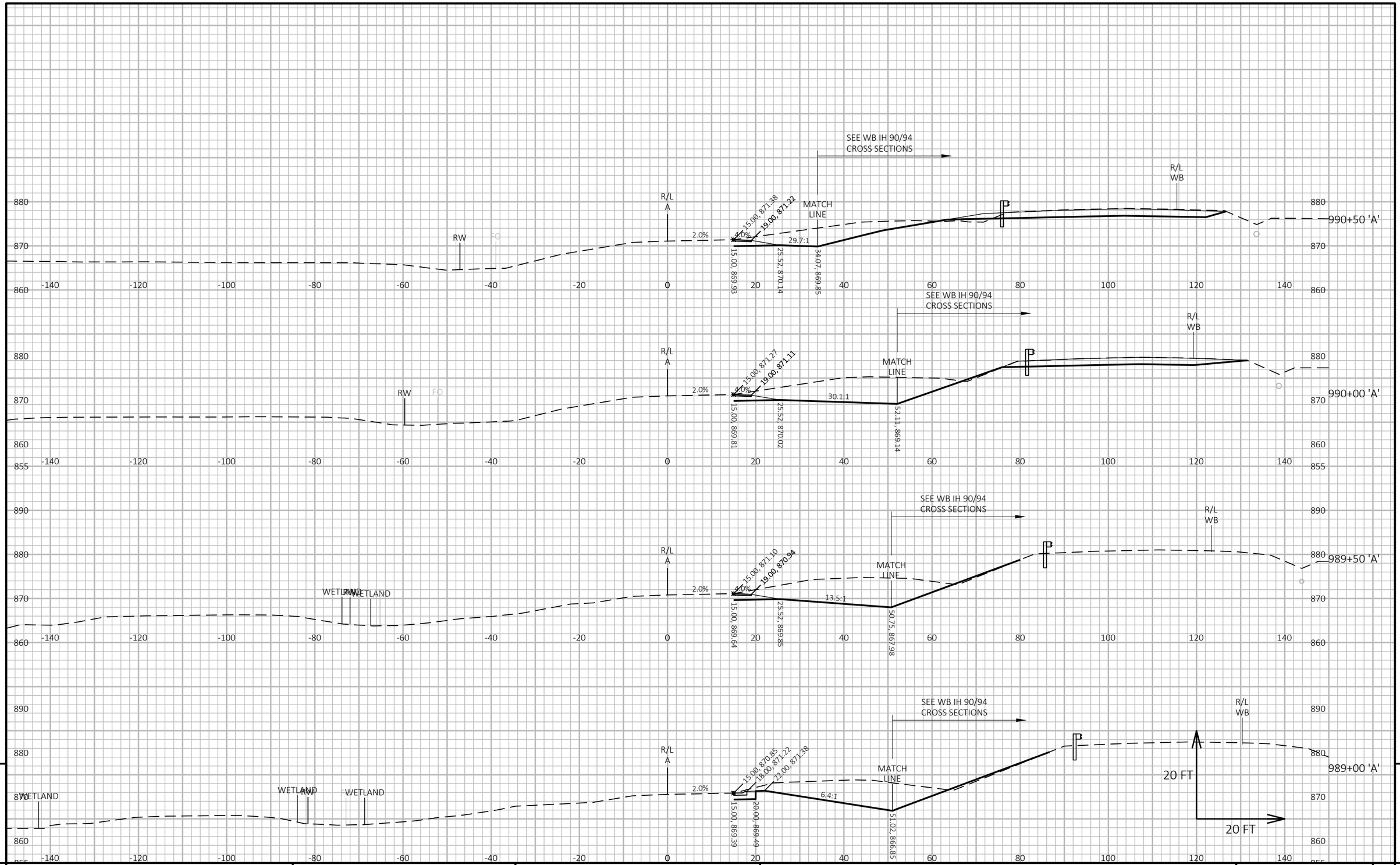


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP STAGE 3C 'A'	SHEET 1213 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB RAMPS STAGE 3C.DWG
LAYOUT NAME - 090267-xs

PLOT DATE : 11/17/2021 3:46 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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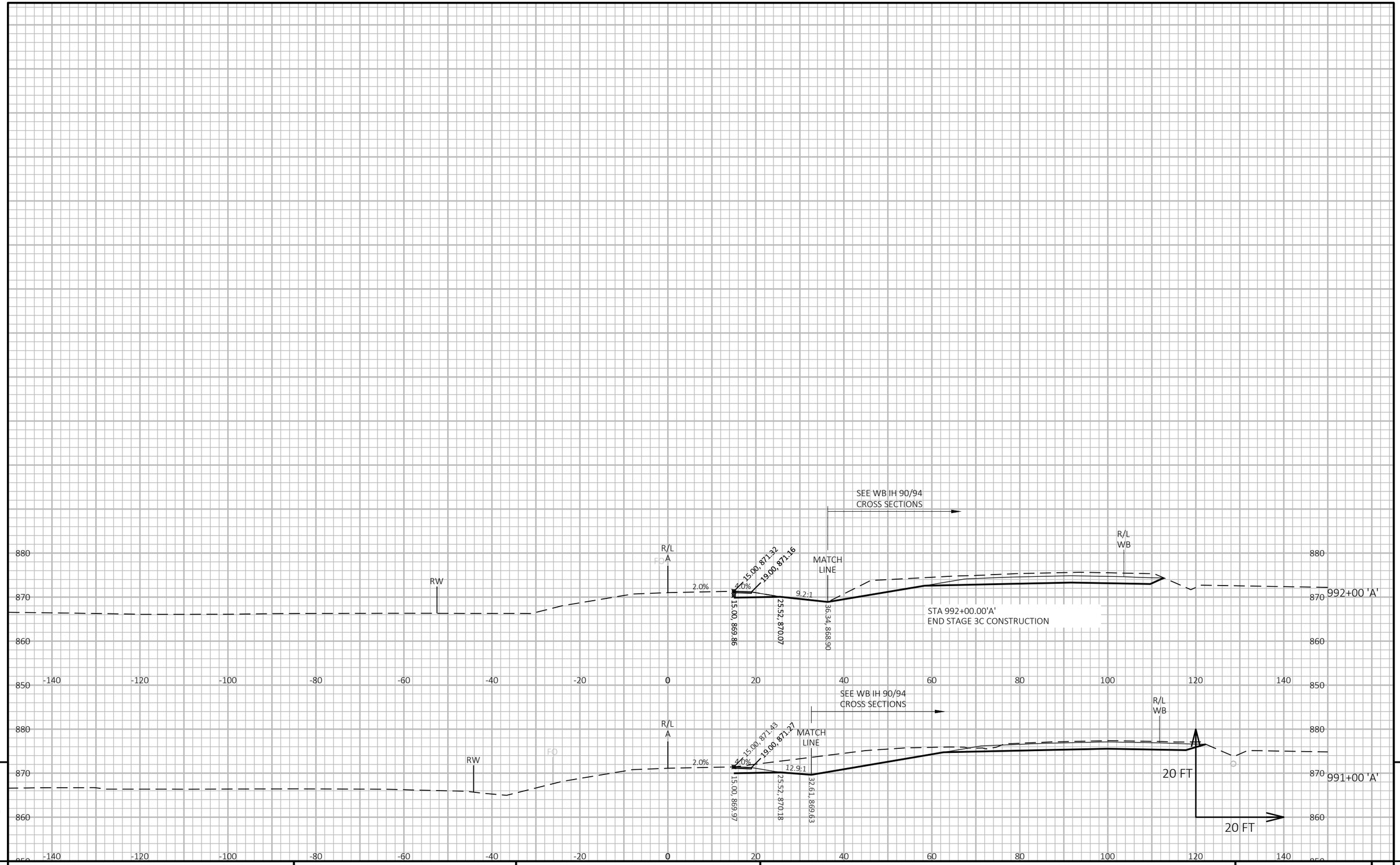
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP STAGE 3C 'A'	SHEET 1214	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB RAMPS STAGE 3C.DWG
LAYOUT NAME - 090268-xs

PLOT DATE : 11/17/2021 3:46 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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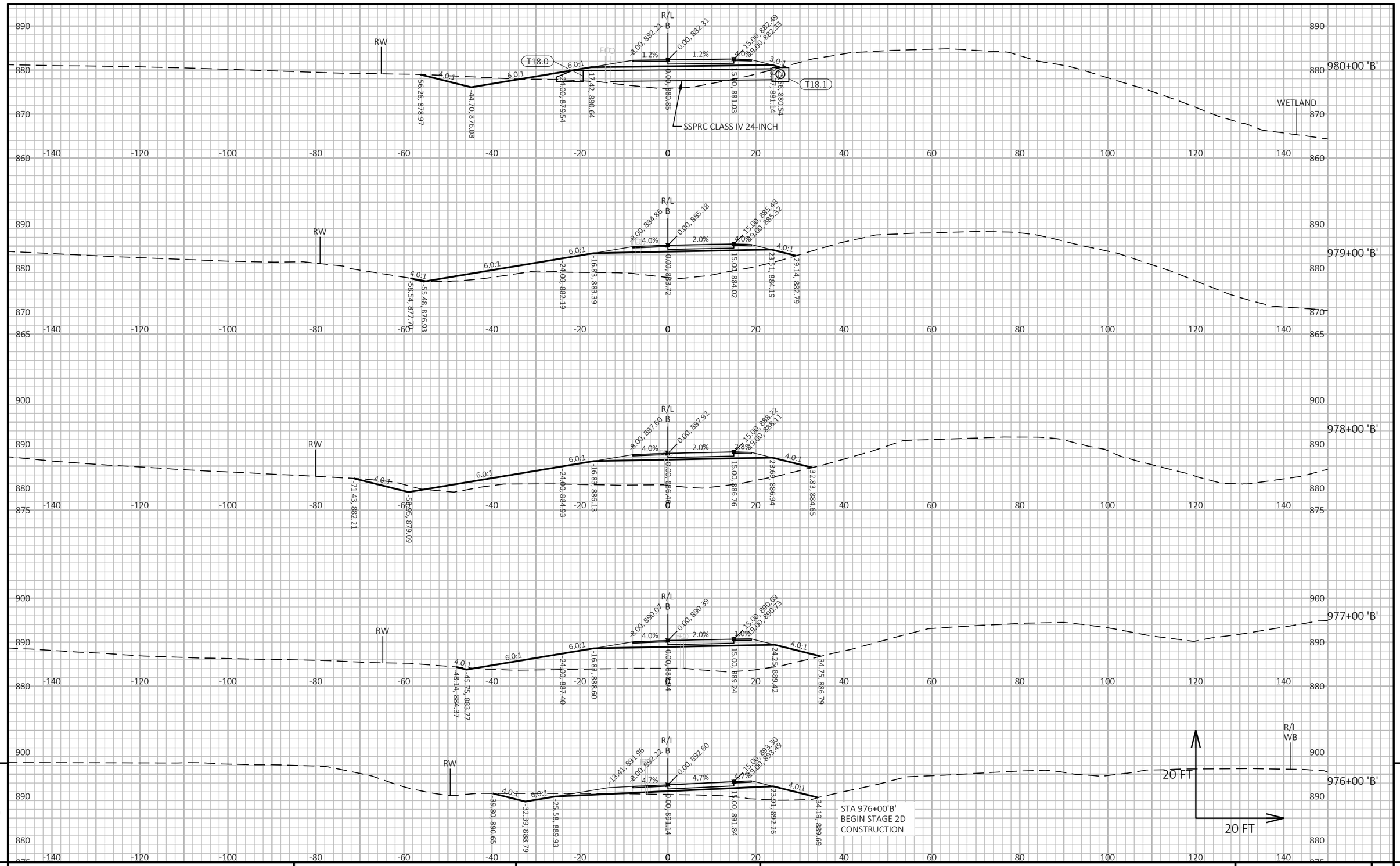
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP STAGE 3C 'A'	SHEET 1215	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB RAMPS STAGE 3C.DWG
LAYOUT NAME - 090269-xs

PLOT DATE : 11/17/2021 3:46 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



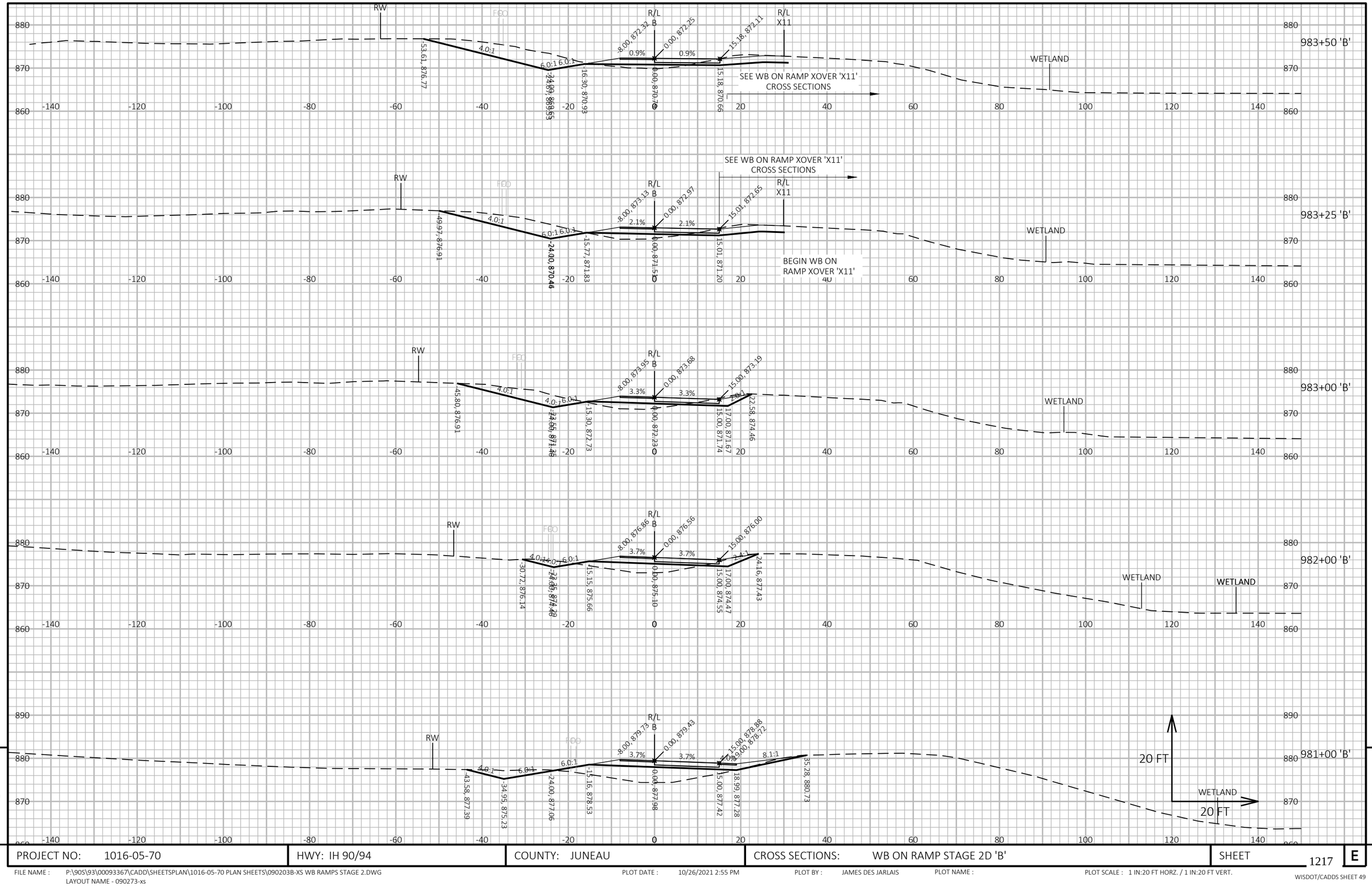
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9

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 2D 'B'	SHEET 1216	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203B-XS WB RAMPS STAGE 2.DWG
LAYOUT NAME - 090272-xs

PLOT DATE : 11/16/2021 2:22 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



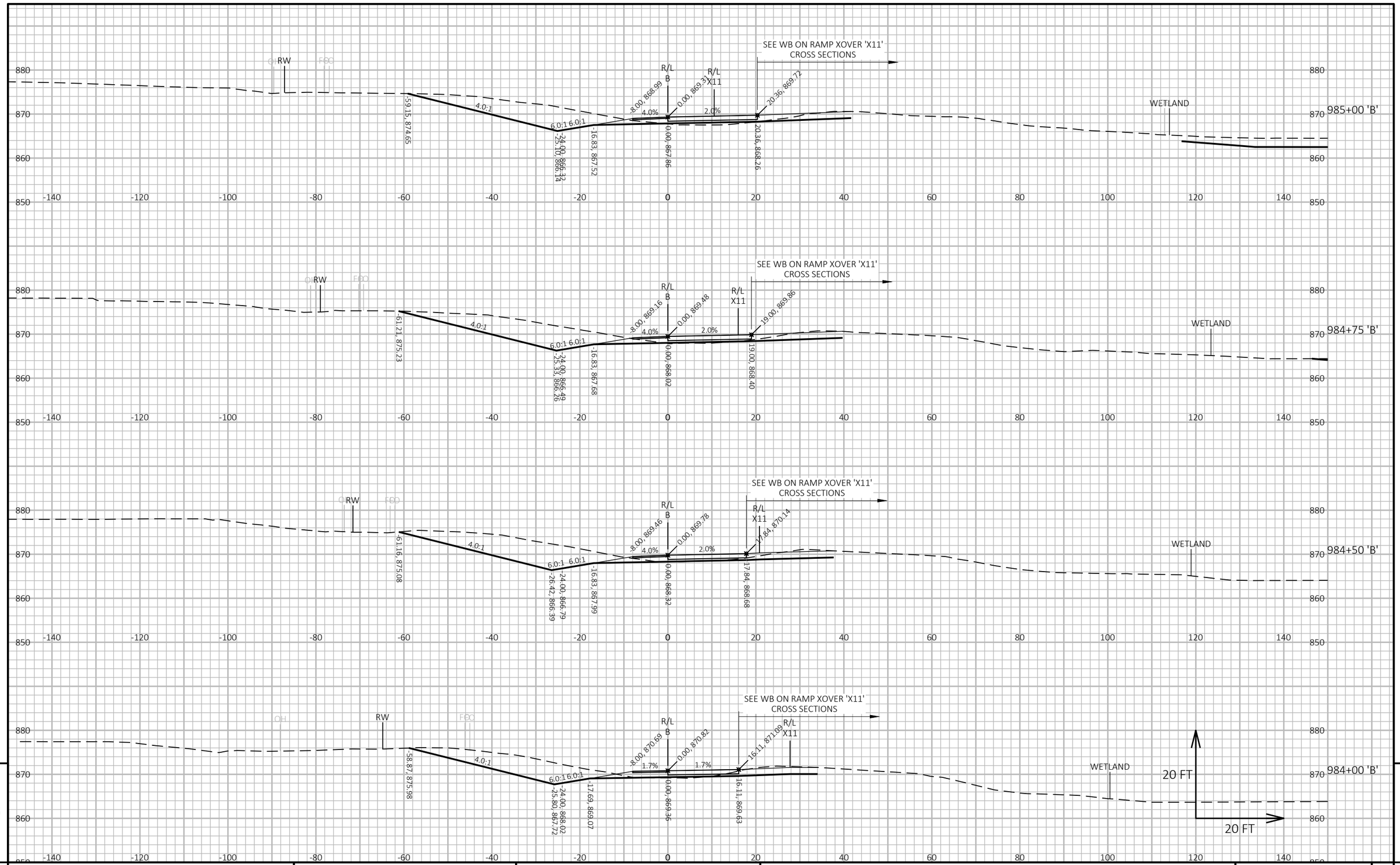
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 2D 'B'	SHEET 1217 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203B-XS WB RAMPS STAGE 2.DWG
LAYOUT NAME - 090273-xs

PLOT DATE : 10/26/2021 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

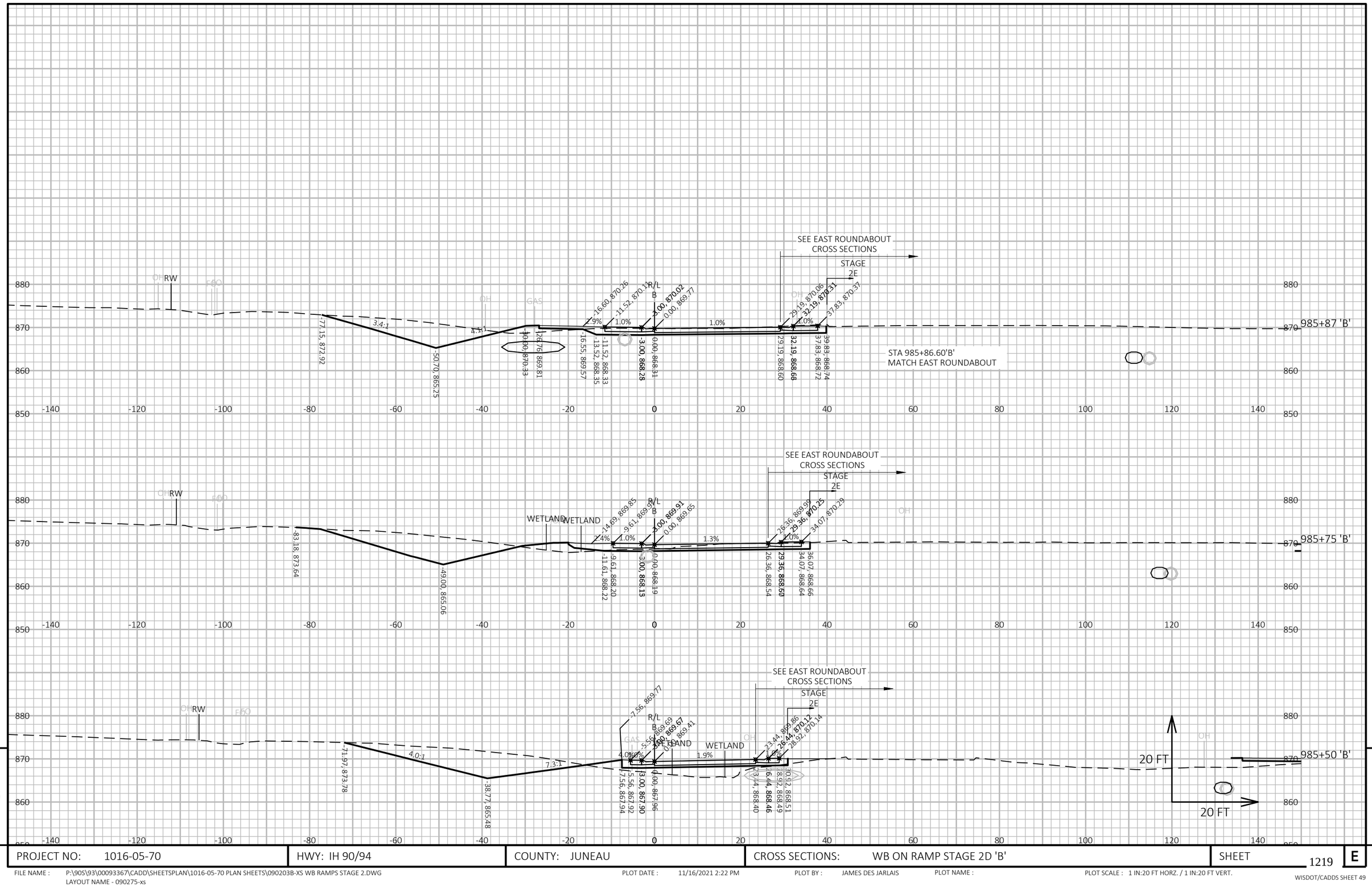
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 2D 'B'	SHEET 1218	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203B-XS WB RAMPS STAGE 2.DWG
LAYOUT NAME - 090274-xs

PLOT DATE : 10/26/2021 2:55 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

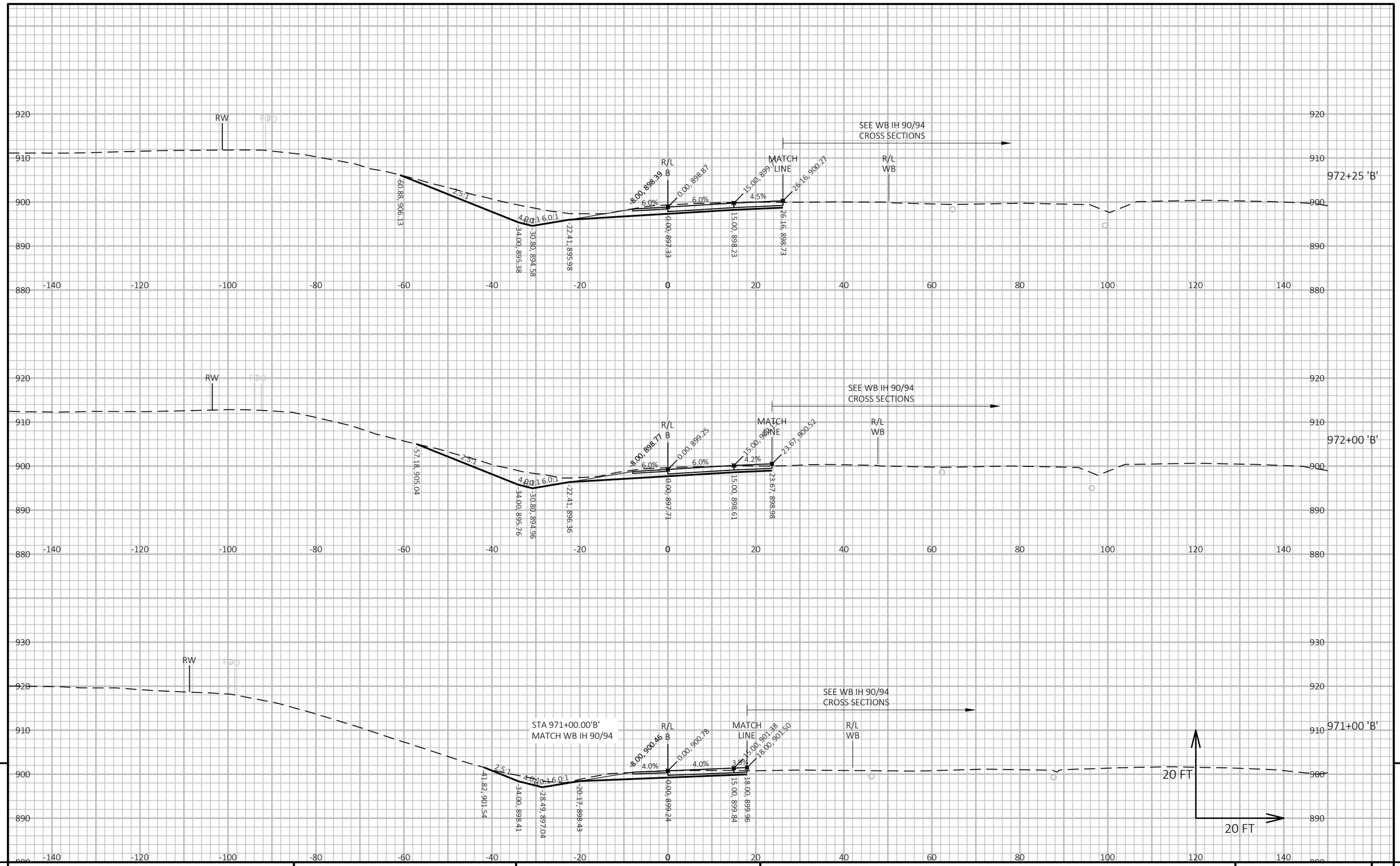


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 2D 'B'	SHEET 1219 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203B-XS WB RAMPS STAGE 2.DWG
LAYOUT NAME - 090275-xs

PLOT DATE : 11/16/2021 2:22 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



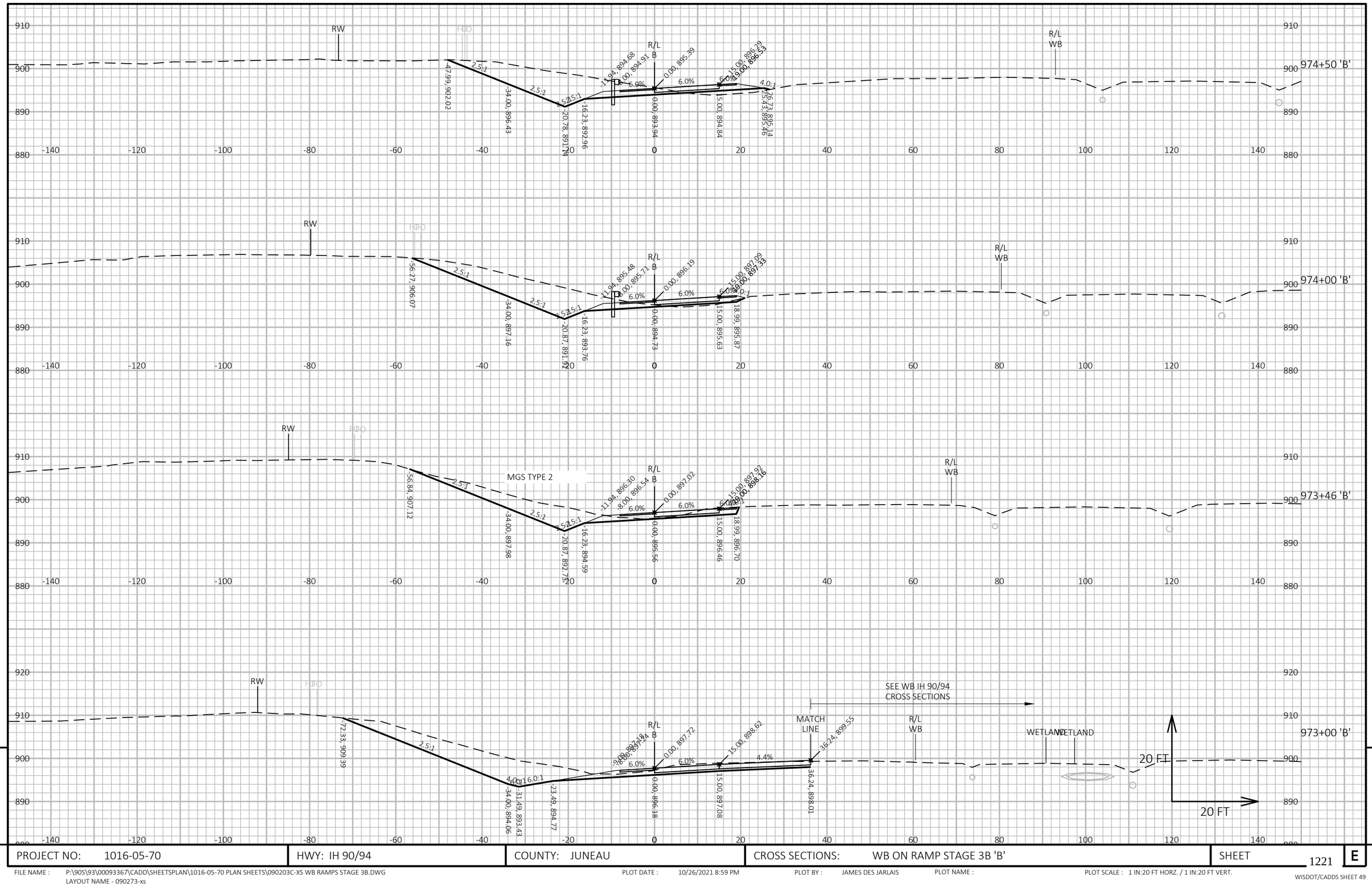
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9

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 3B 'B'	SHEET 1220	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203C-XS WB RAMPS STAGE 3B.DWG
LAYOUT NAME - 090272-xs

PLOT DATE : 10/26/2021 8:59 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

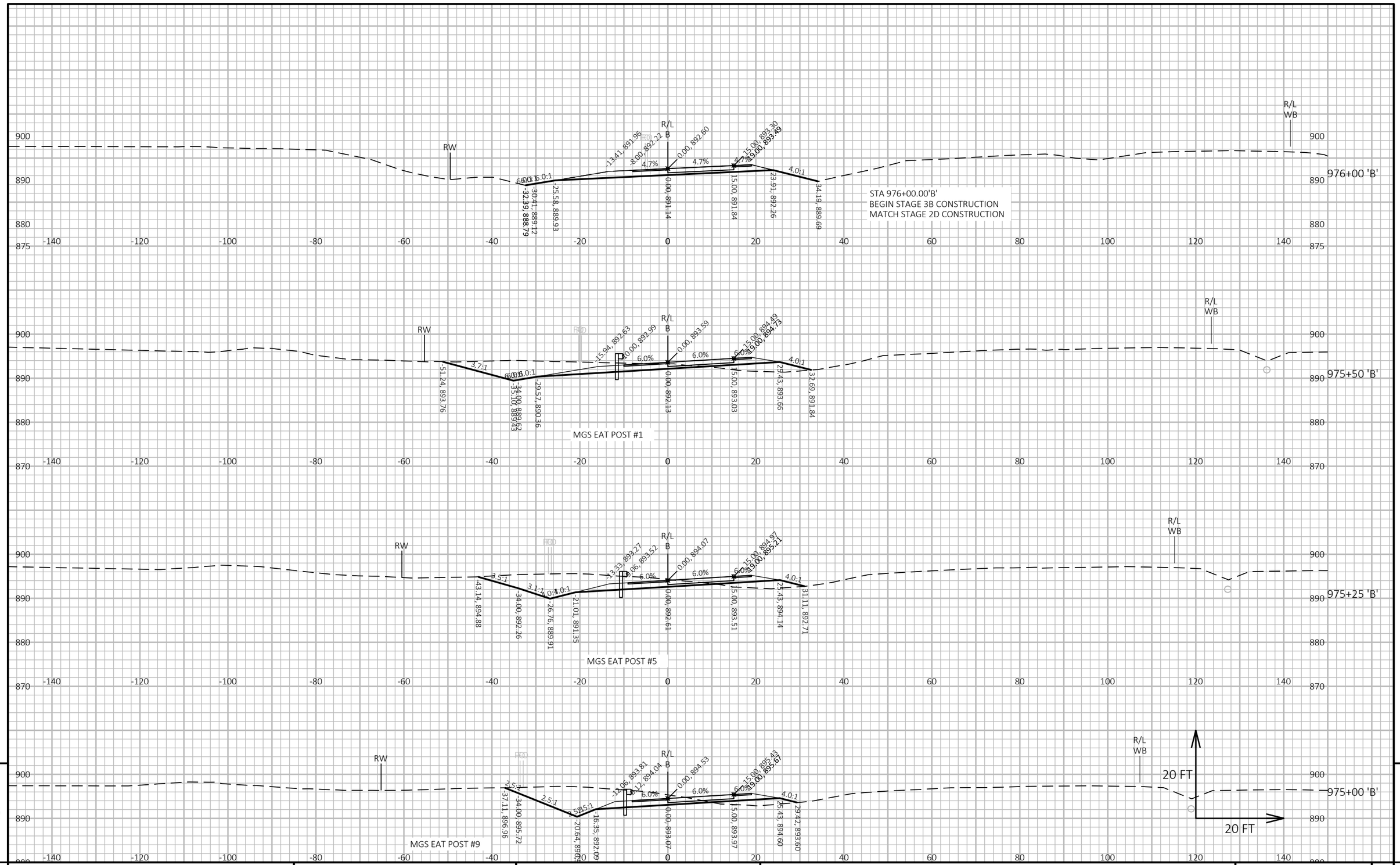
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 3B 'B'	SHEET 1221	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203C-XS WB RAMPS STAGE 3B.DWG
LAYOUT NAME - 090273-xs

PLOT DATE : 10/26/2021 8:59 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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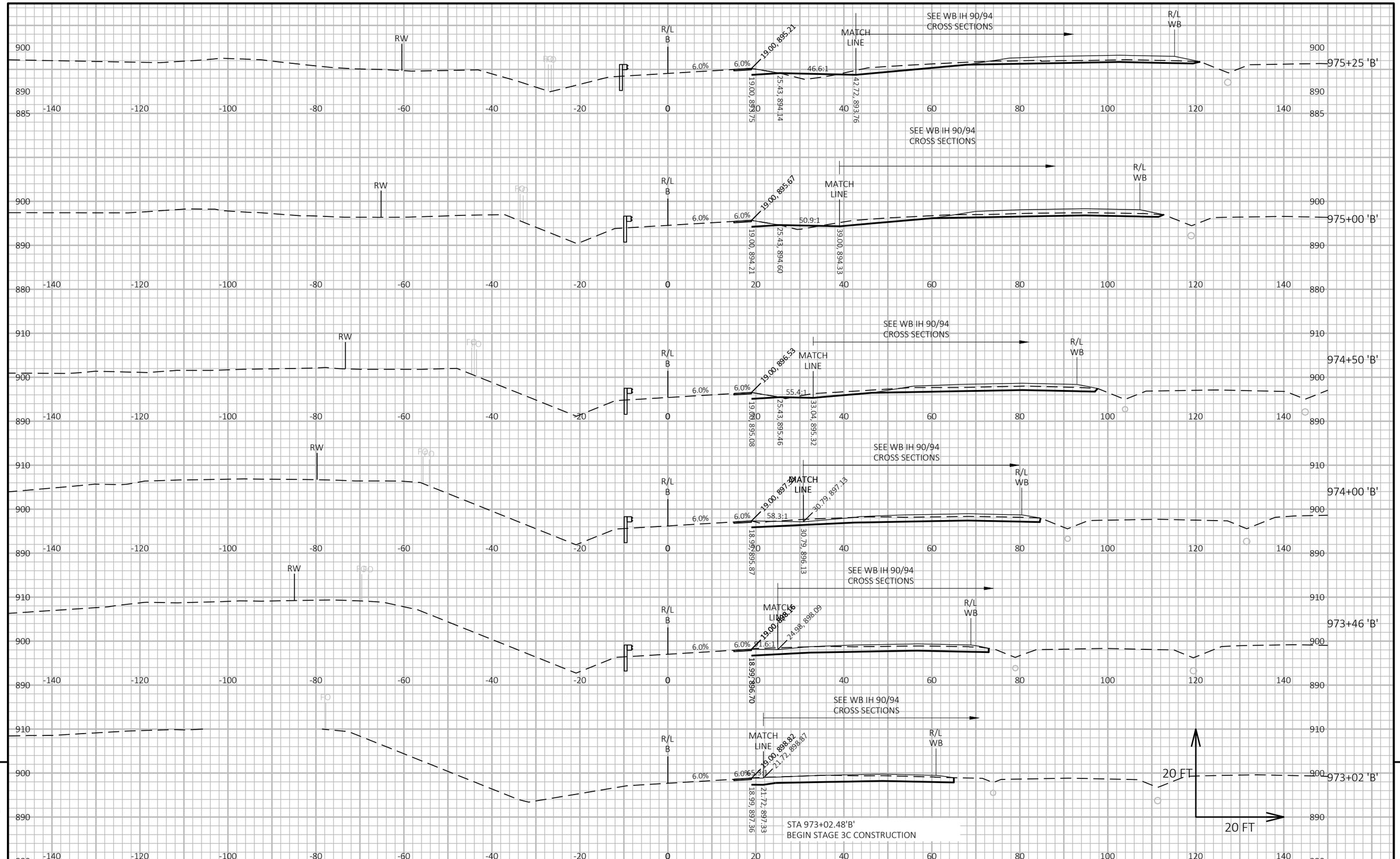
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 3B 'B'	SHEET 1222	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203C-XS WB RAMPS STAGE 3B.DWG
LAYOUT NAME - 090274-xs

PLOT DATE : 11/16/2021 3:14 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

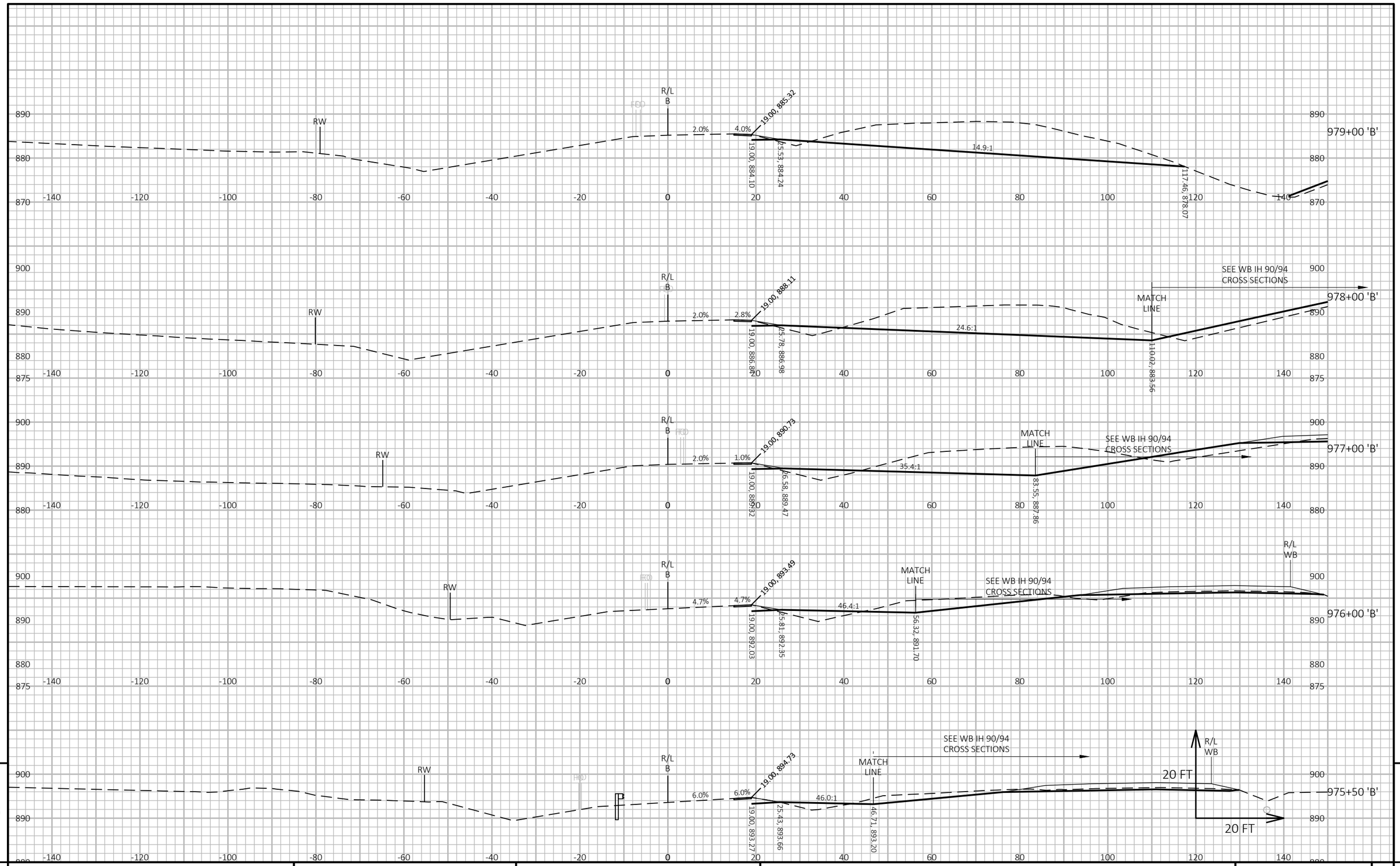


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 3C 'B'	SHEET 1223 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB RAMPS STAGE 3C.DWG
LAYOUT NAME - 090272-xs

PLOT DATE : 10/27/2021 9:07 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

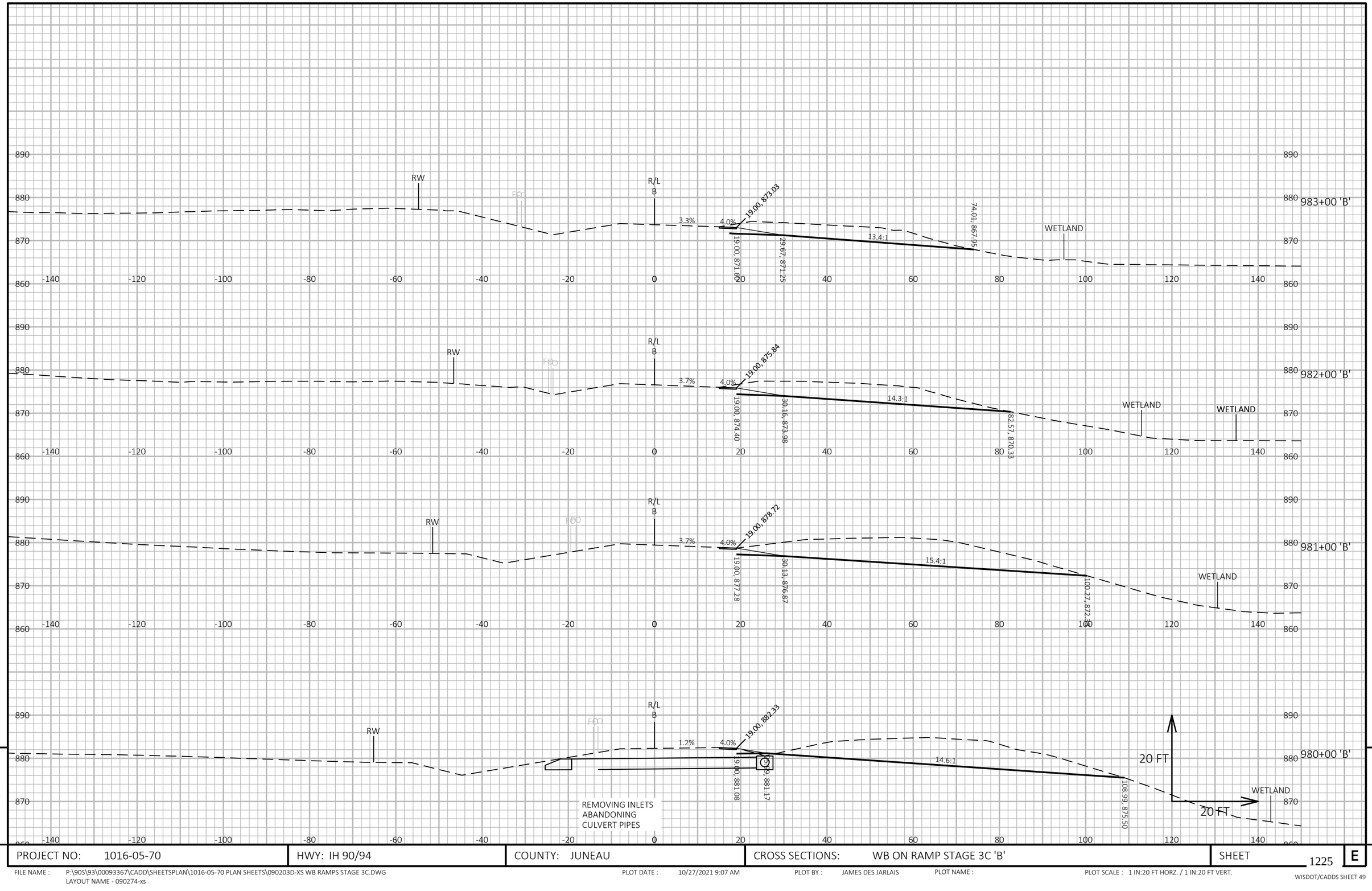
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 3C 'B'	SHEET 1224	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB RAMPS STAGE 3C.DWG
LAYOUT NAME - 090273-xs

PLOT DATE : 11/16/2021 4:17 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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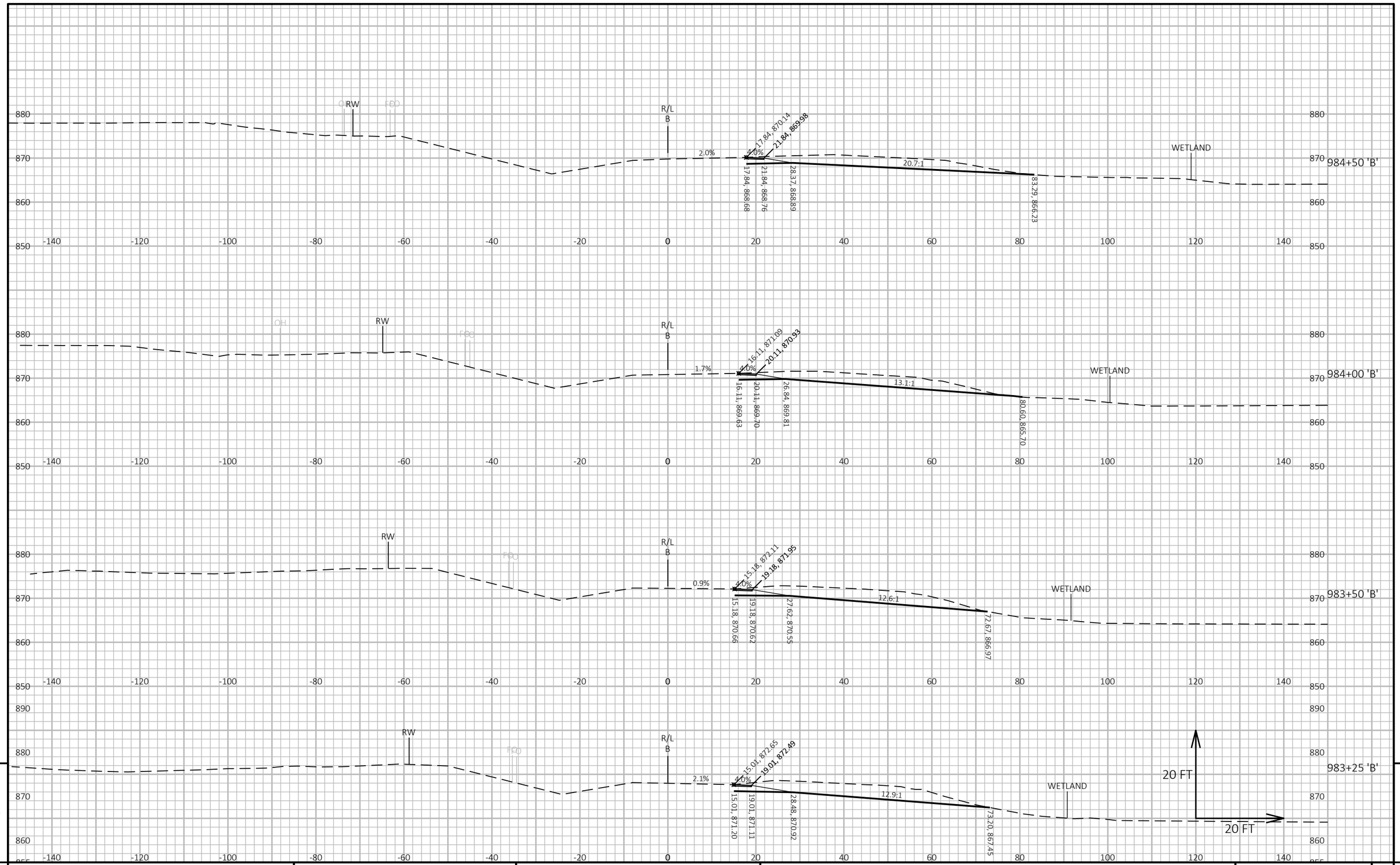
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 3C 'B'	SHEET 1225 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB RAMPS STAGE 3C.DWG
LAYOUT NAME - 090274-xs

PLOT DATE : 10/27/2021 9:07 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

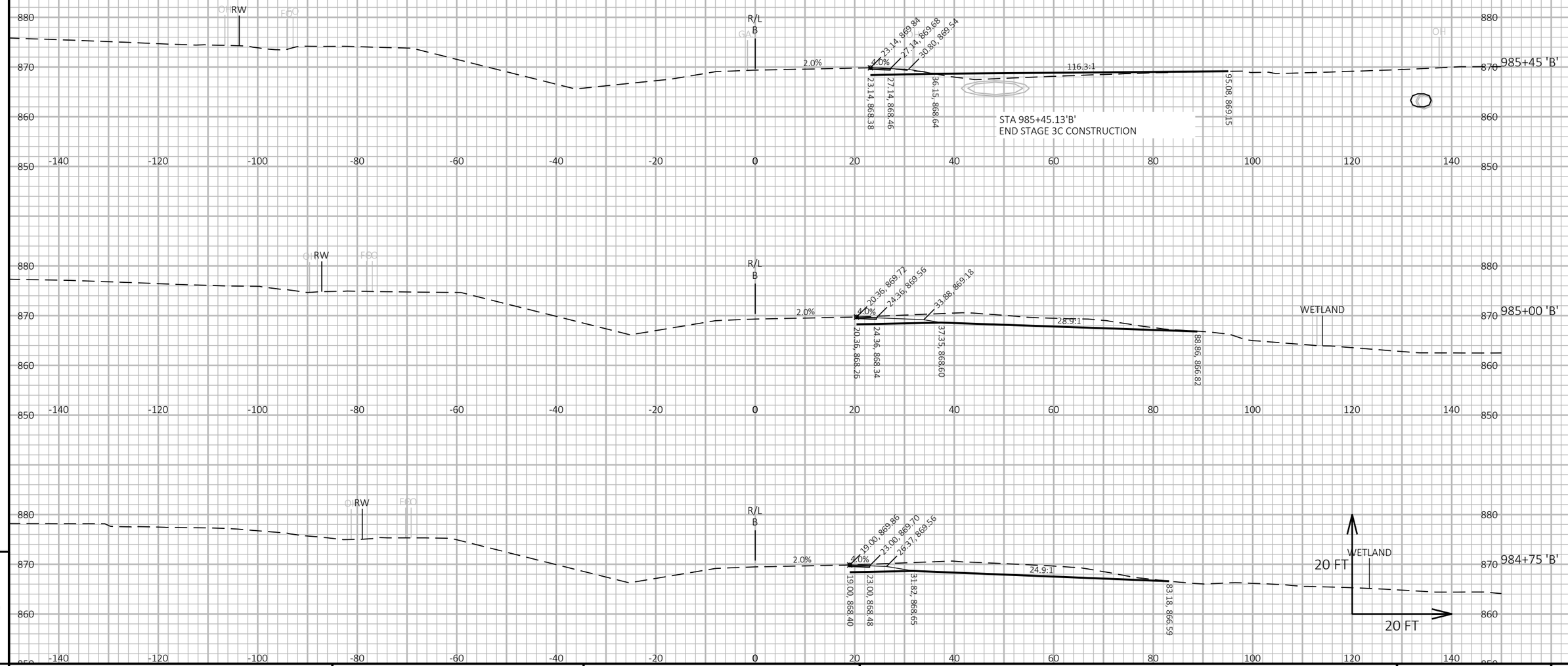
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 3C 'B'	SHEET 1226 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB RAMPS STAGE 3C.DWG
LAYOUT NAME - 090275-xs

PLOT DATE : 10/27/2021 9:07 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

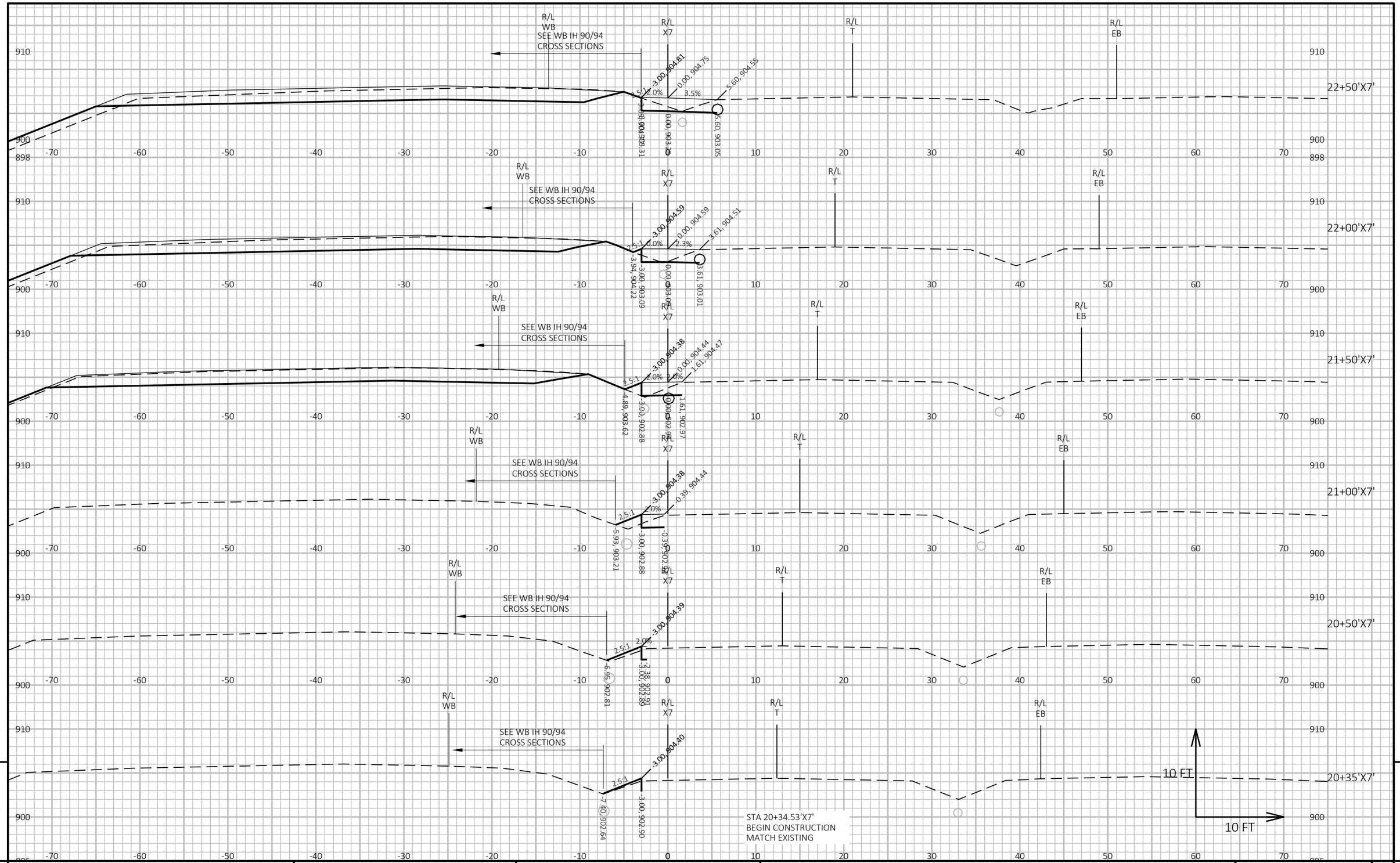
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP STAGE 3C 'B'	SHEET 1227	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090203D-XS WB RAMPS STAGE 3C.DWG
LAYOUT NAME - 090276-xs

PLOT DATE : 10/27/2021 9:08 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

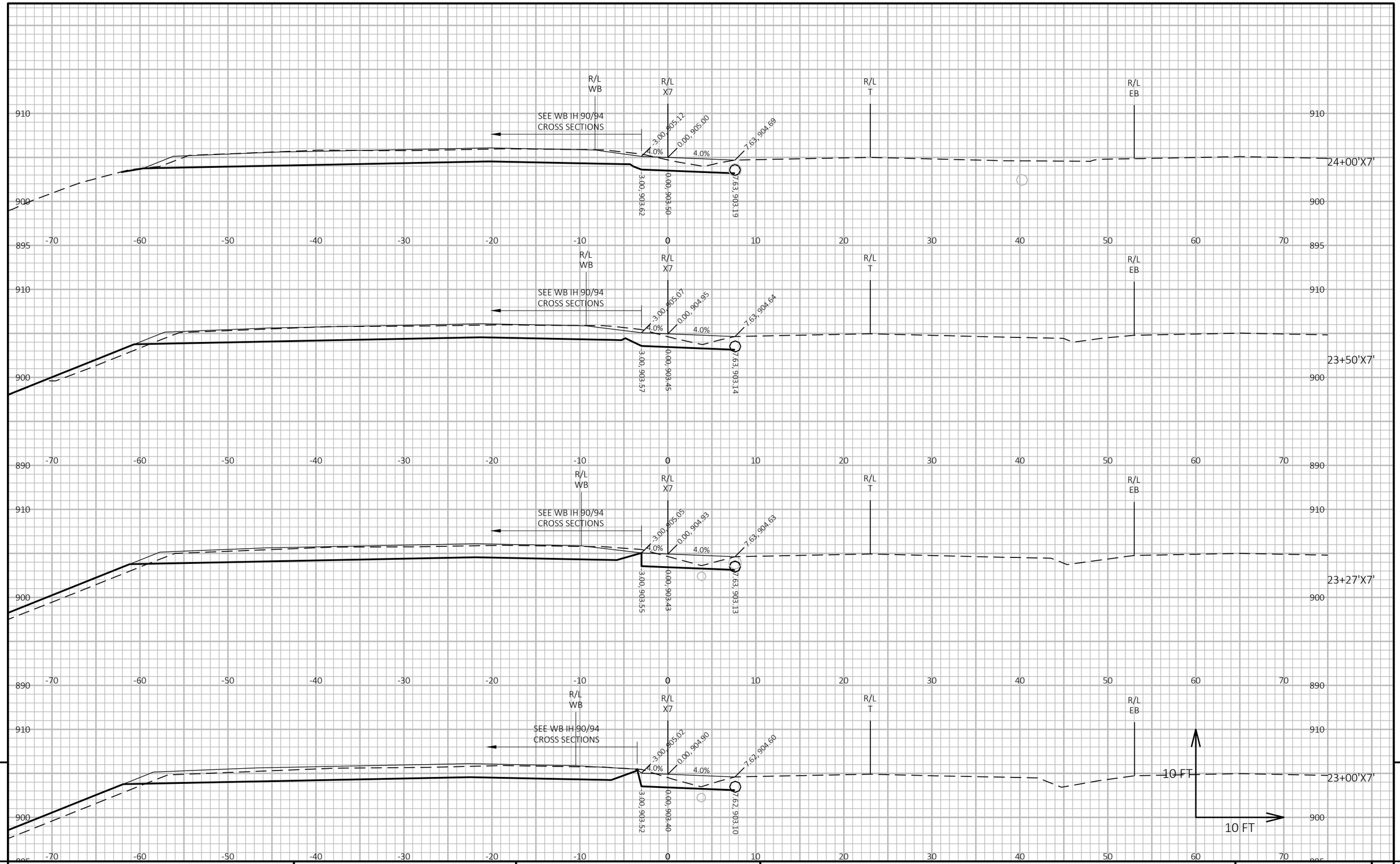


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP XOVER STAGE 3 'X7'	SHEET 1228 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090270-xs

PLOT DATE : 10/27/2021 3:30 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



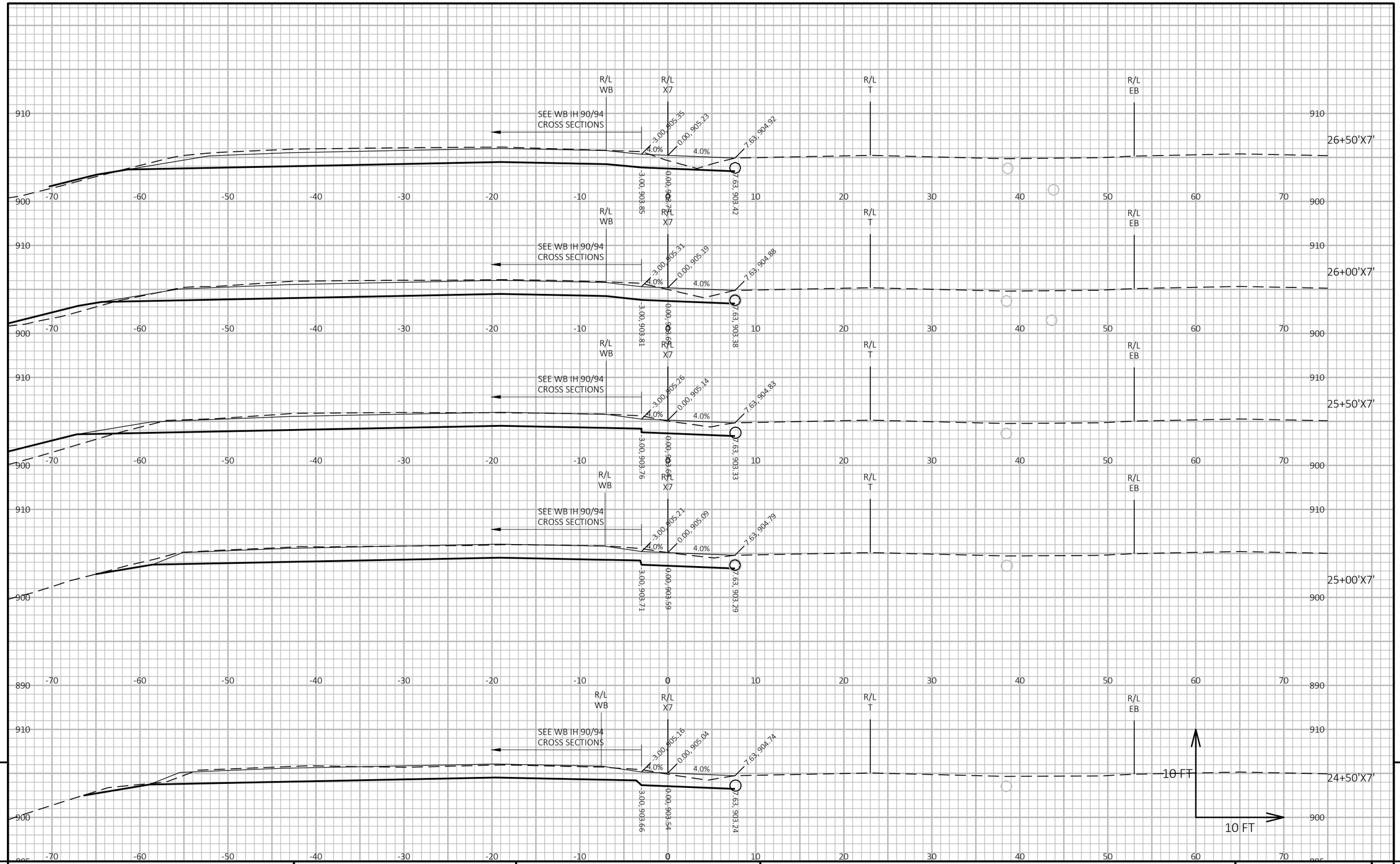
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP XOVER STAGE 3 'X7'	SHEET 1229	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090271-xs

PLOT DATE : 10/27/2021 3:30 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



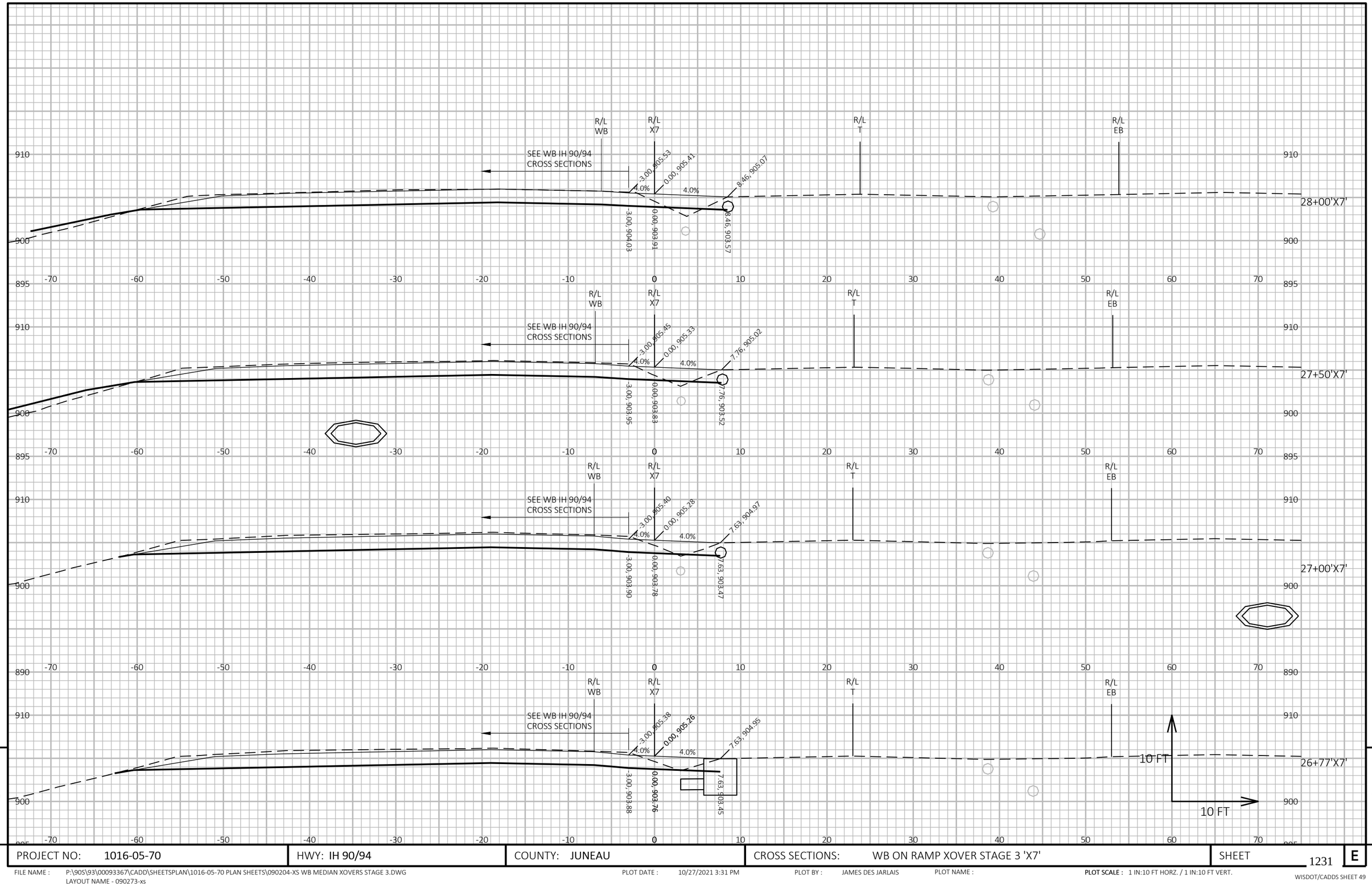
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP XOVER STAGE 3 'X7'	SHEET 1230	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090272-xs

PLOT DATE : 10/27/2021 3:30 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



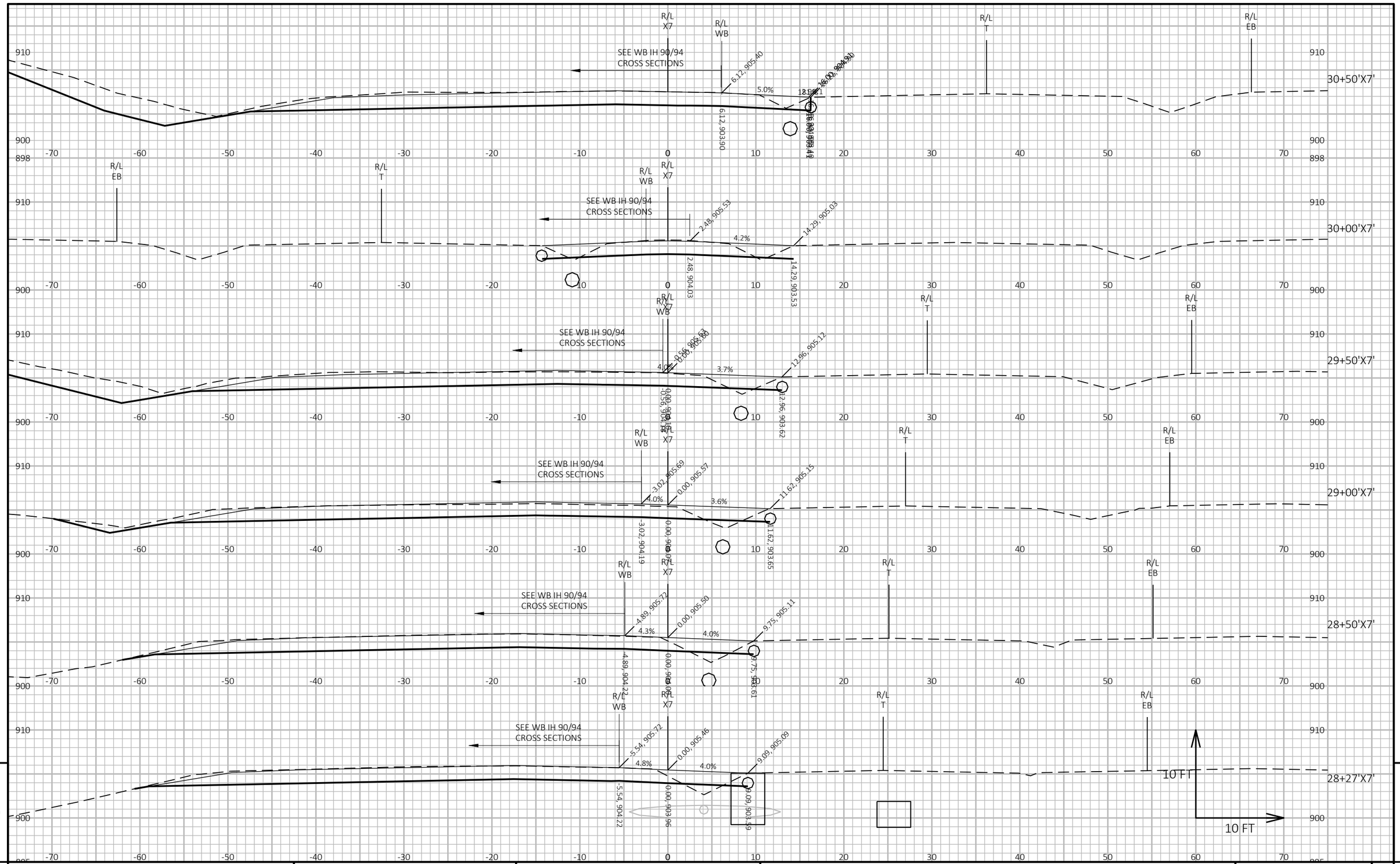
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9

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP XOVER STAGE 3 'X7'	SHEET 1231	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090273-xs

PLOT DATE : 10/27/2021 3:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



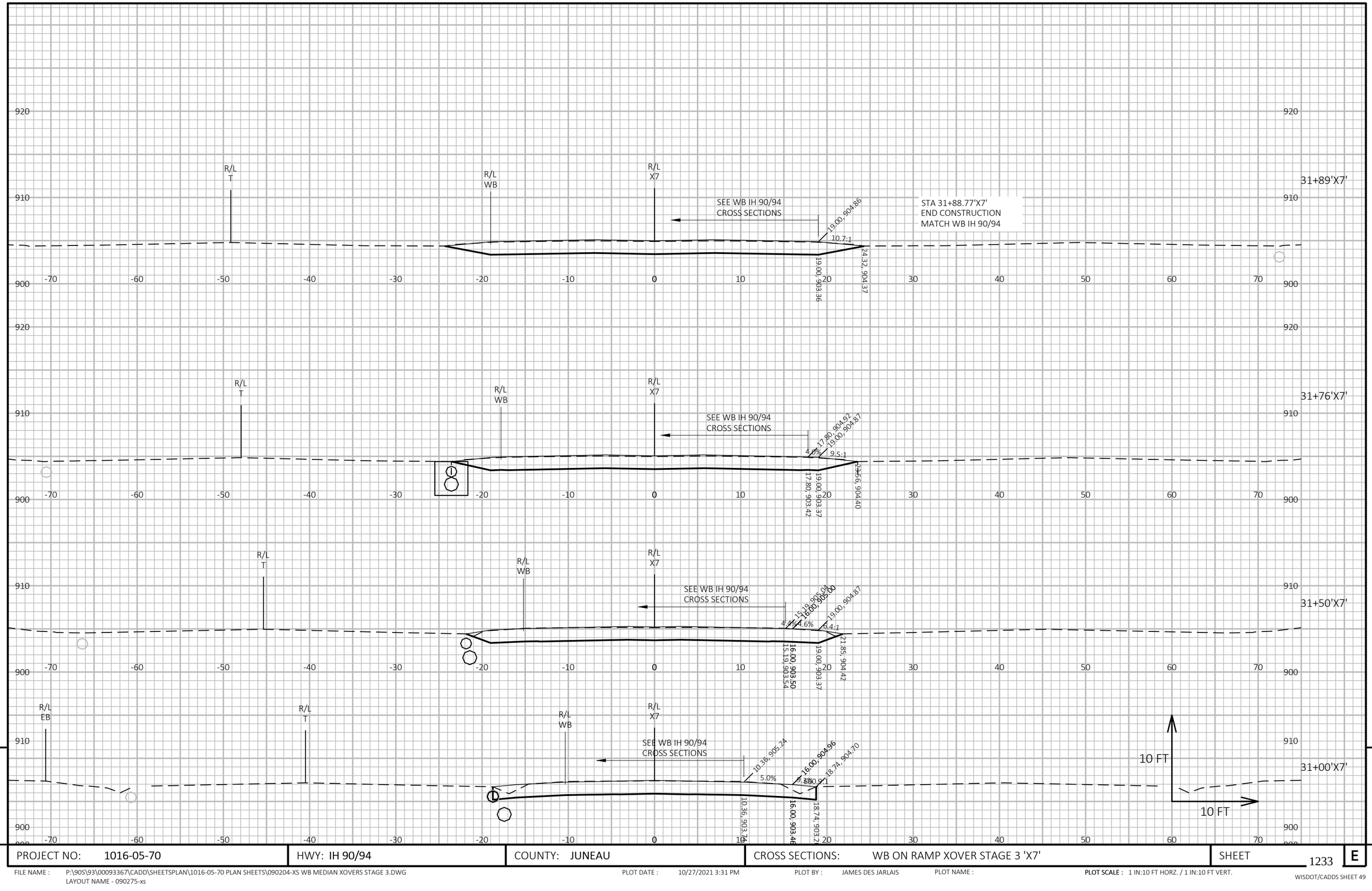
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP XOVER STAGE 3 'X7'	SHEET 1232	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090274-xs

PLOT DATE : 10/27/2021 3:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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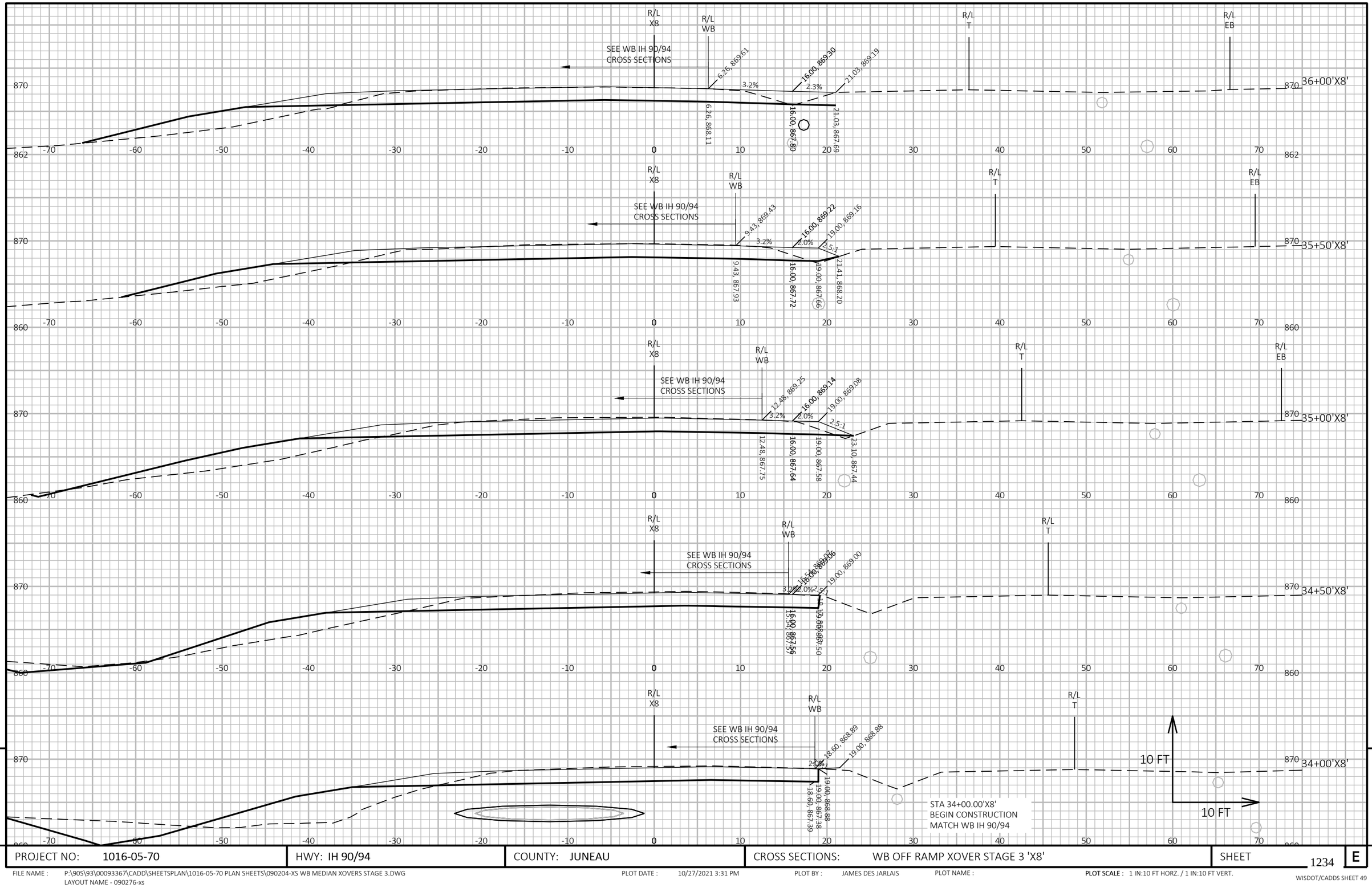
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB ON RAMP XOVER STAGE 3 'X7'	SHEET 1233 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090275-xs

PLOT DATE : 10/27/2021 3:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP XOVER STAGE 3 'X8'	SHEET 1234	E

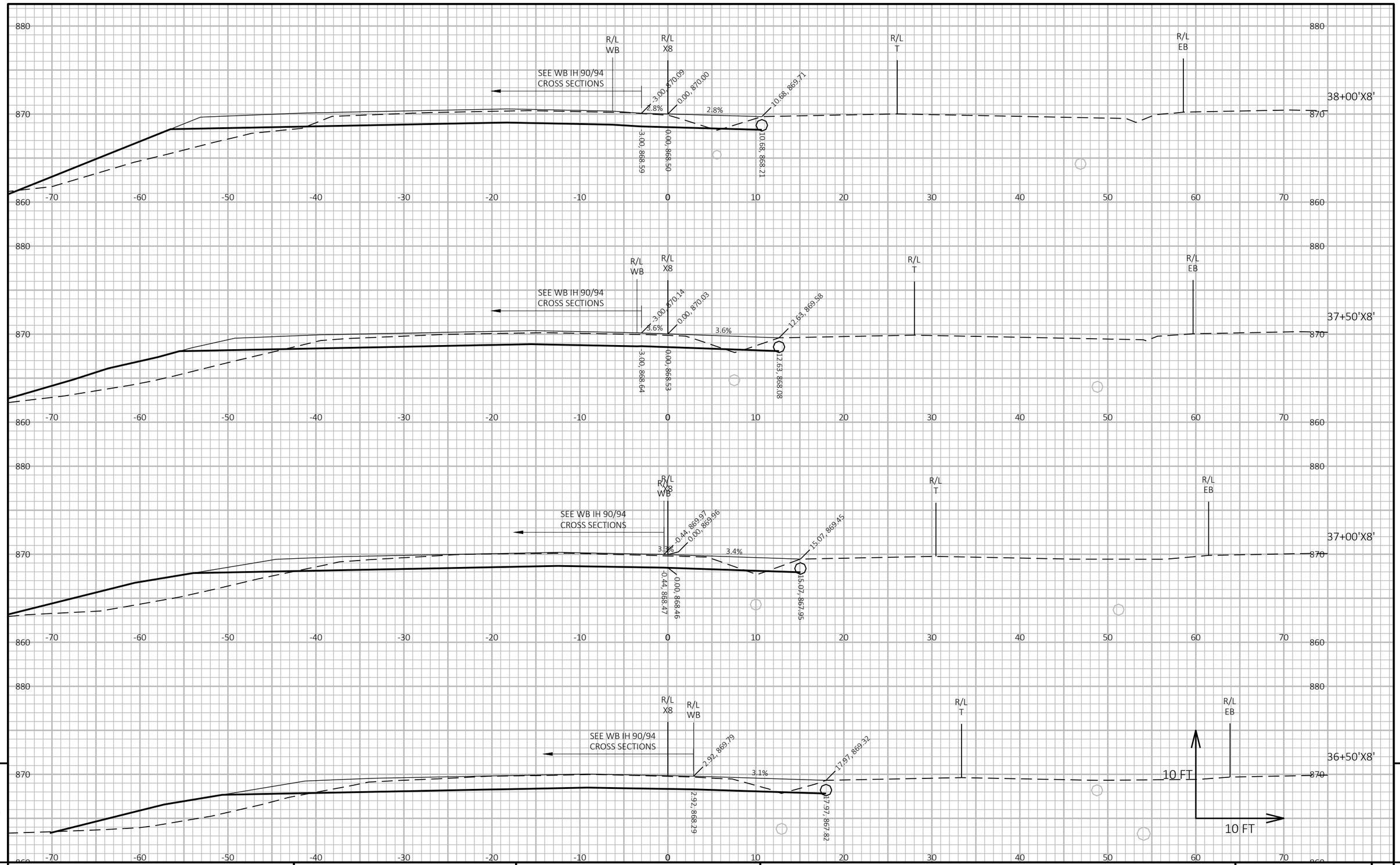
FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090276-xs

PLOT DATE : 10/27/2021 3:31 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

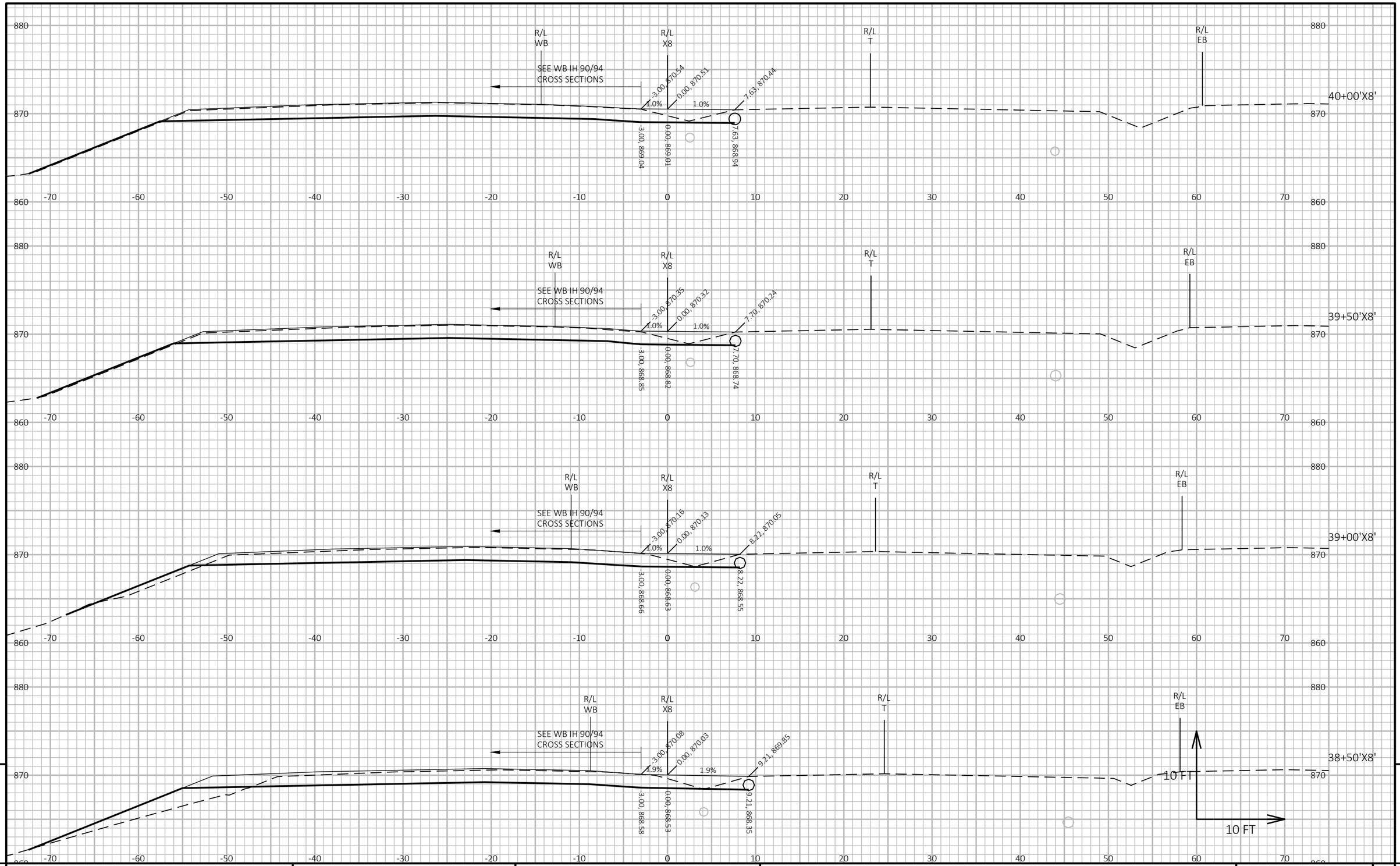


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP XOVER STAGE 3 'X8'	SHEET 1235 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090277-xs

PLOT DATE : 10/27/2021 3:32 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



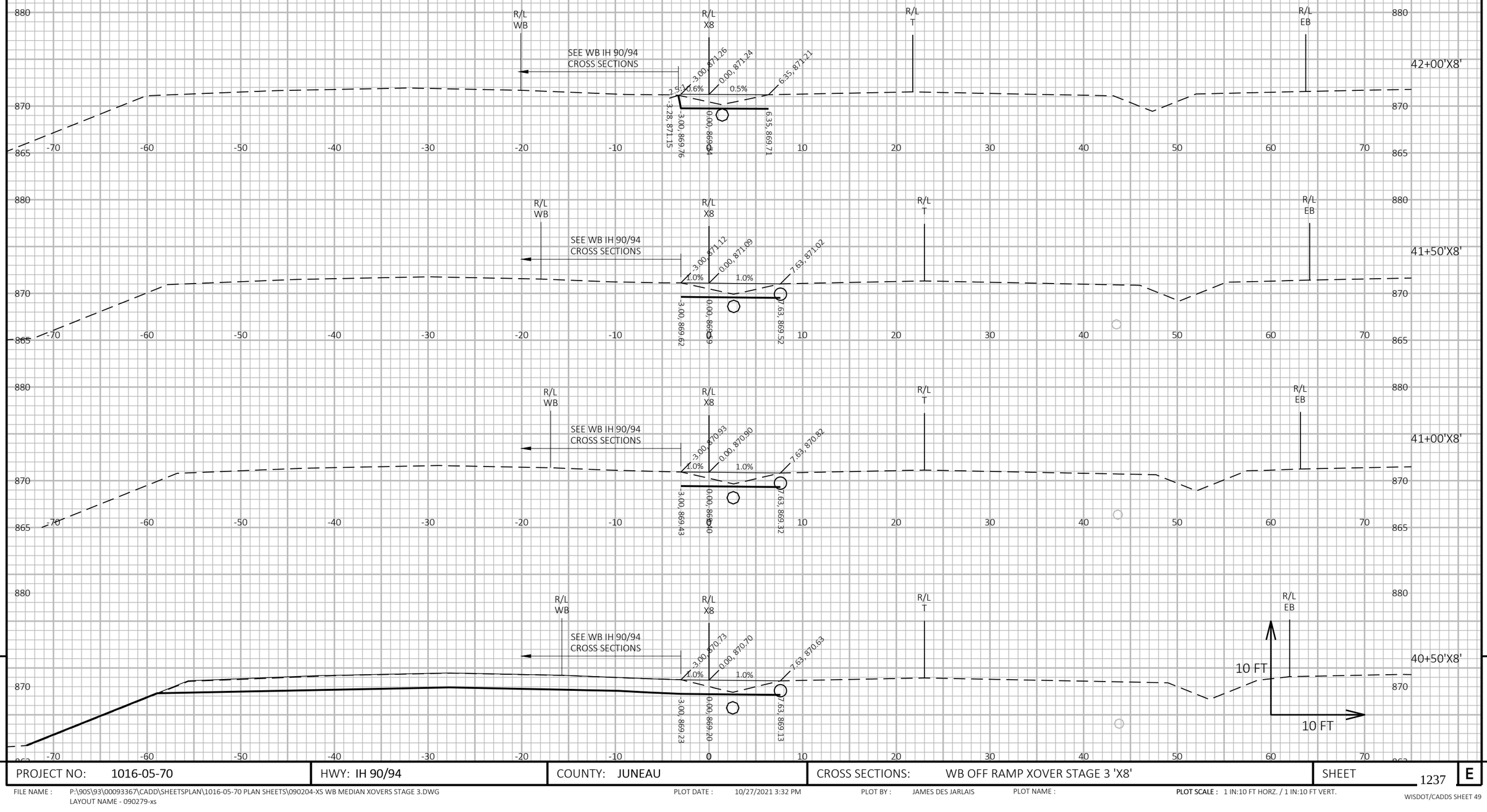
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP XOVER STAGE 3 'X8'	SHEET 1236 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090278-xs

PLOT DATE : 10/27/2021 3:32 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP XOVER STAGE 3 'X8'	SHEET 1237 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090279-xs

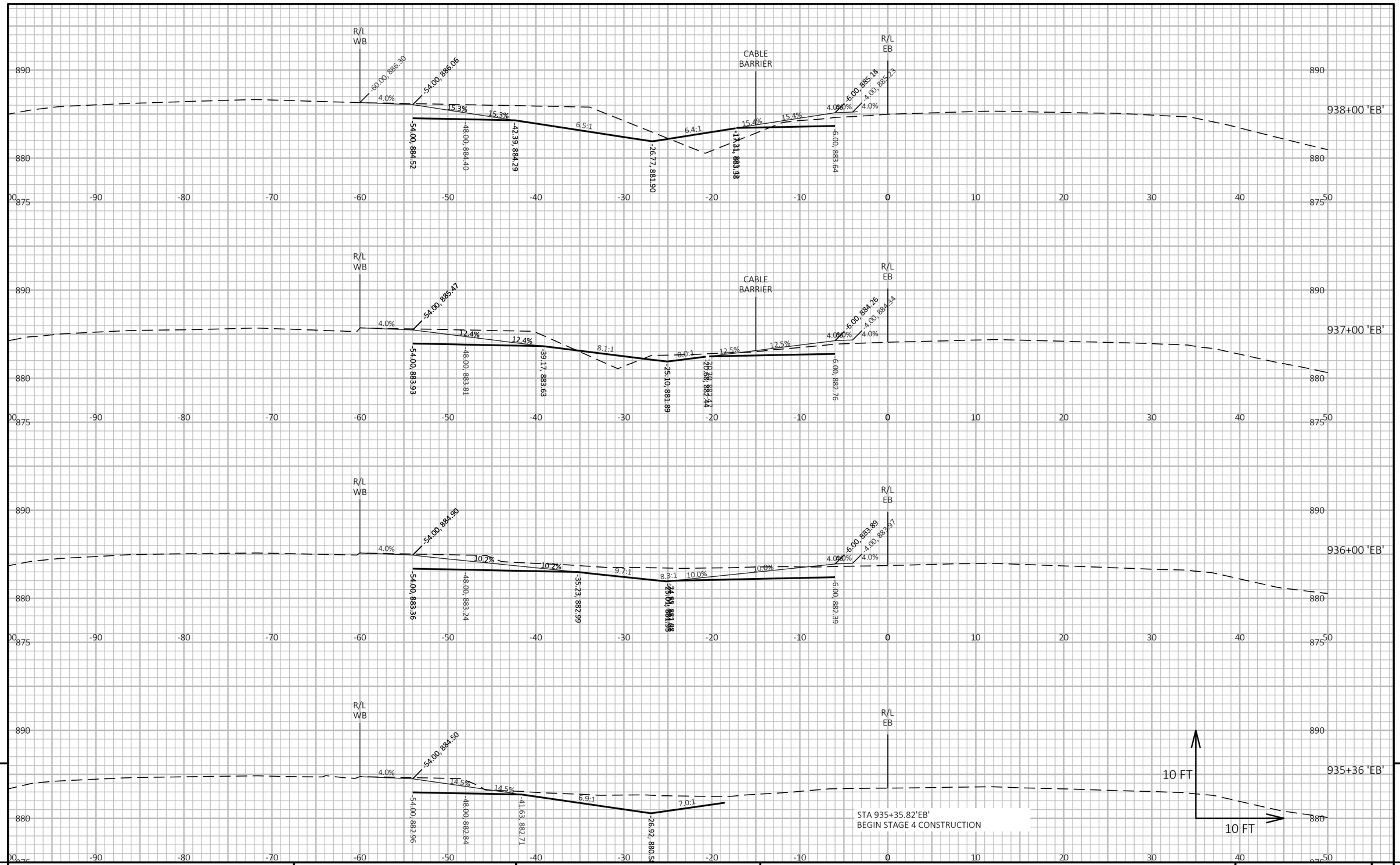
PLOT DATE : 10/27/2021 3:32 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: WB OFF RAMP XOVER STAGE 3 'X8'	SHEET 1238 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090204-XS WB MEDIAN XOVERS STAGE 3.DWG
LAYOUT NAME - 090280-xs

PLOT DATE : 10/27/2021 3:33 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



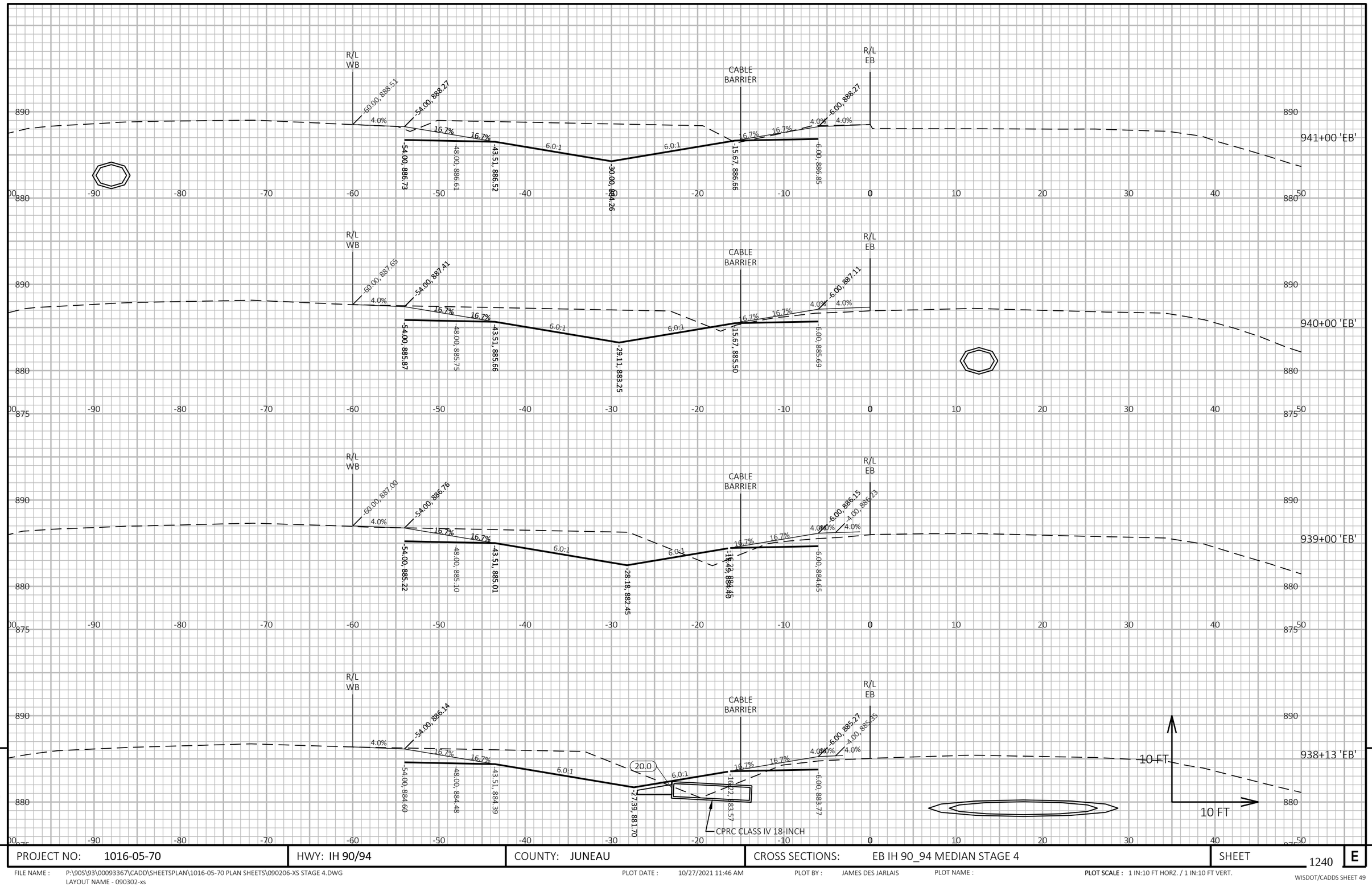
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9

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1239	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090301-xs

PLOT DATE : 10/27/2021 11:46 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

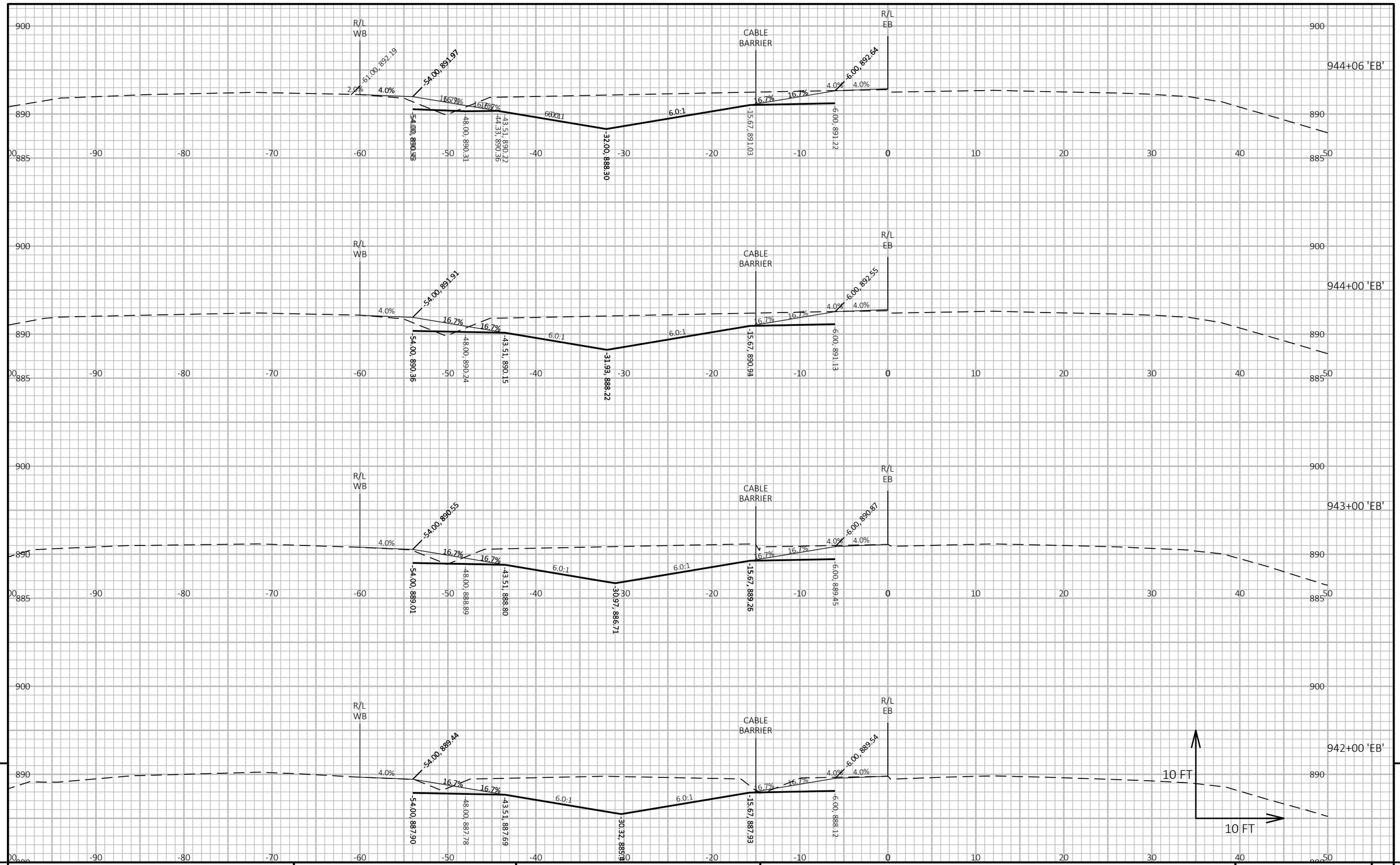


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1240	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090302-xs

PLOT DATE : 10/27/2021 11:46 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

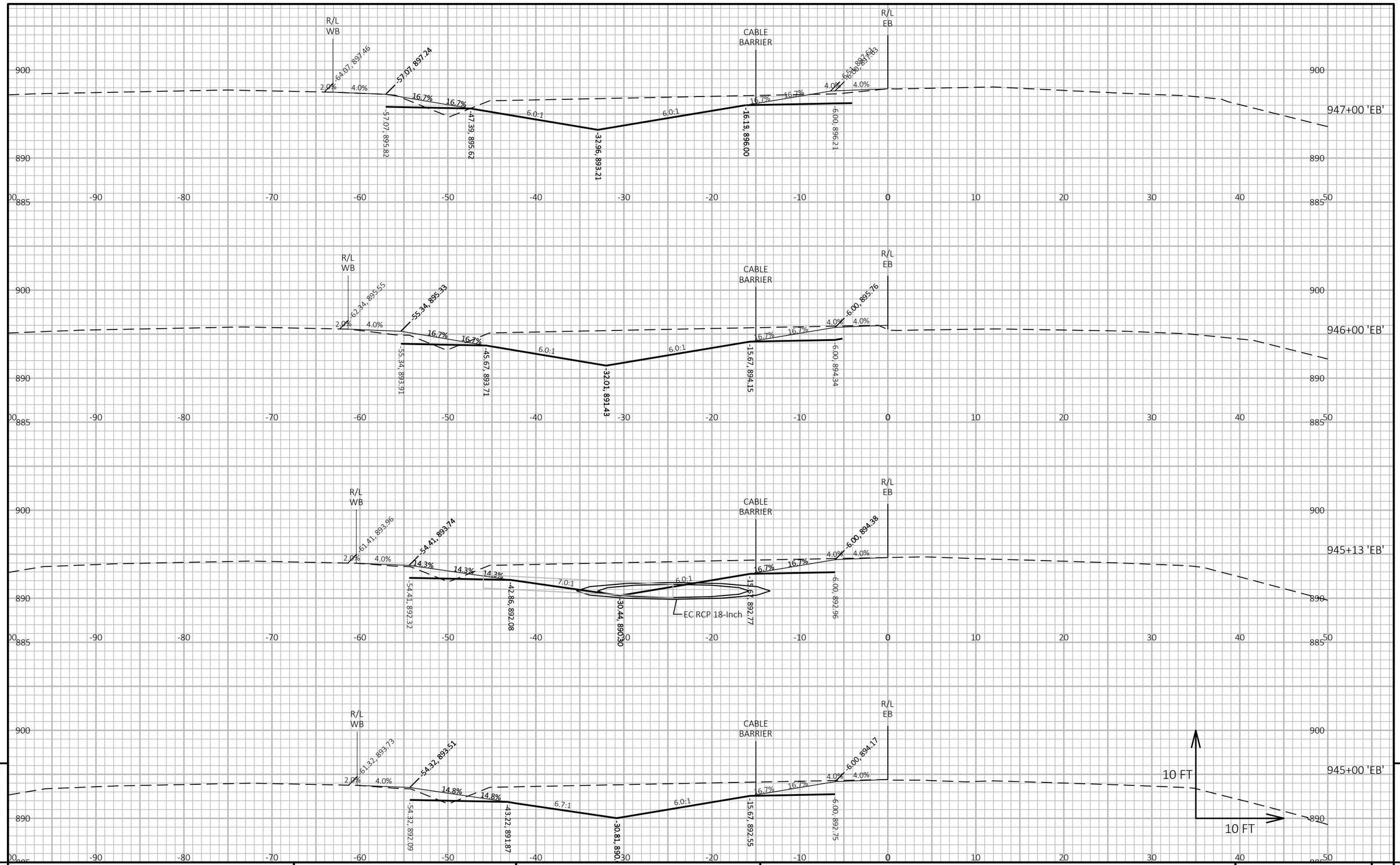
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1241	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090303-xs

PLOT DATE : 10/27/2021 11:46 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

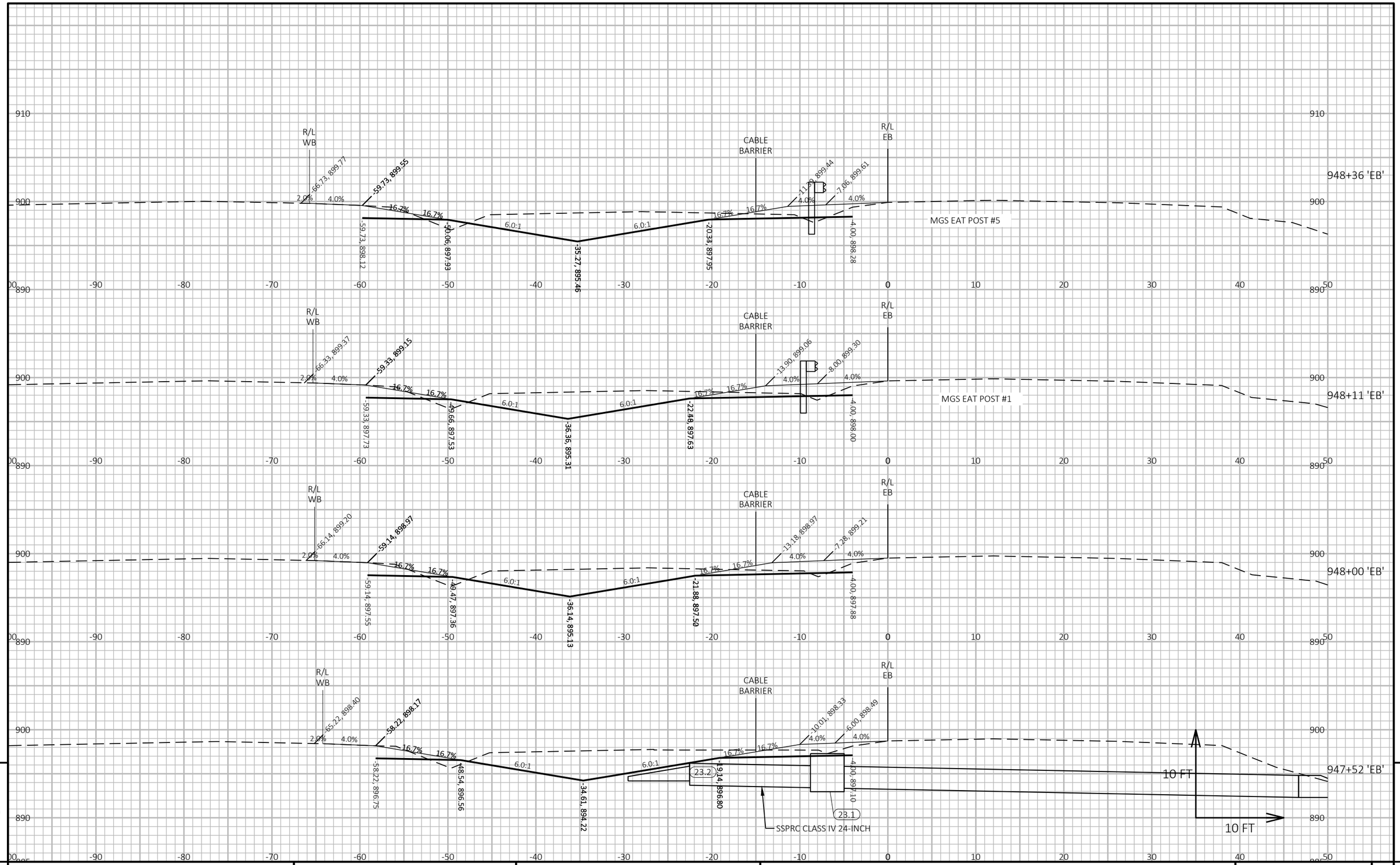


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1242 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090304-xs

PLOT DATE : 10/27/2021 11:46 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

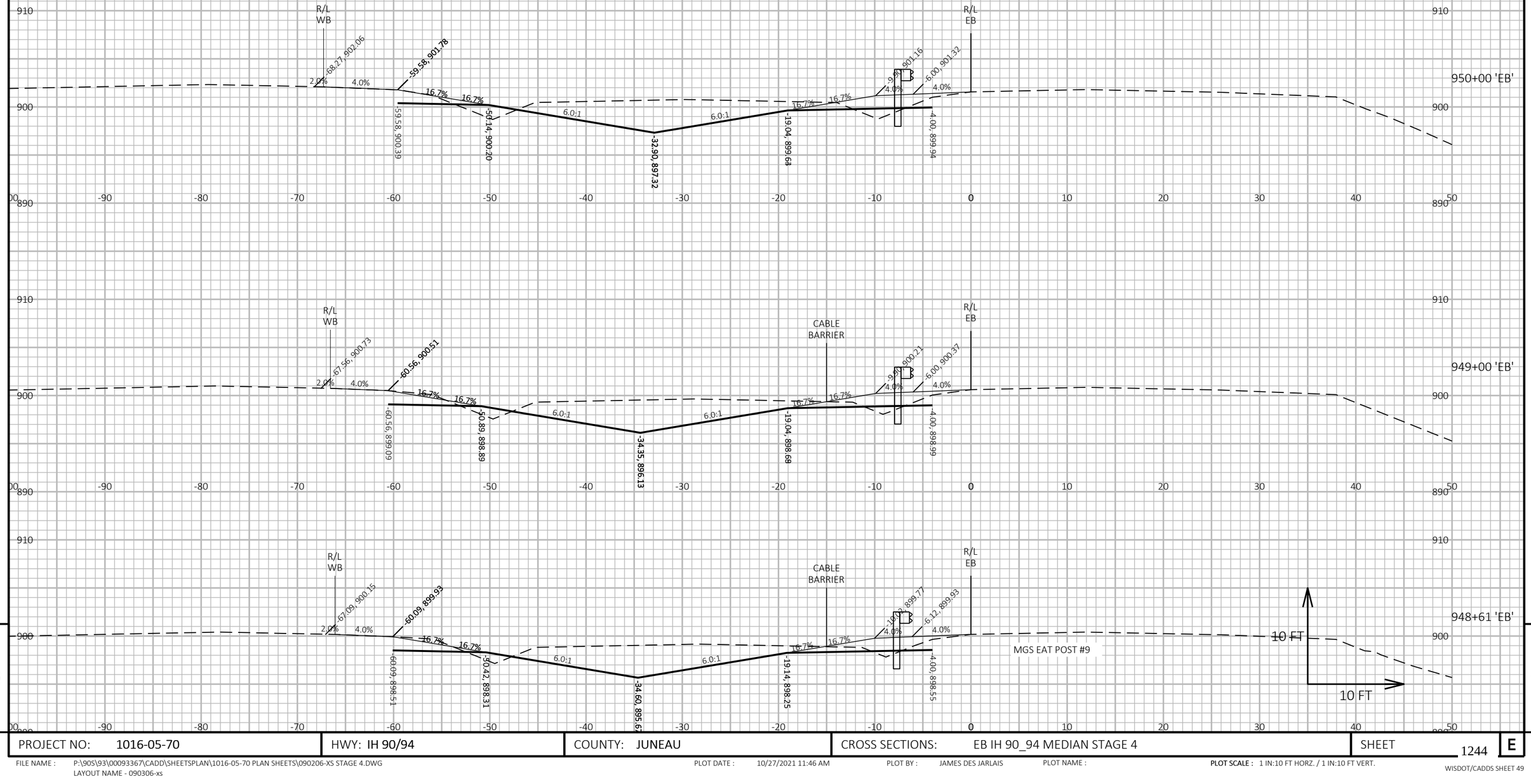
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1243 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090305-xs

PLOT DATE : 10/27/2021 11:46 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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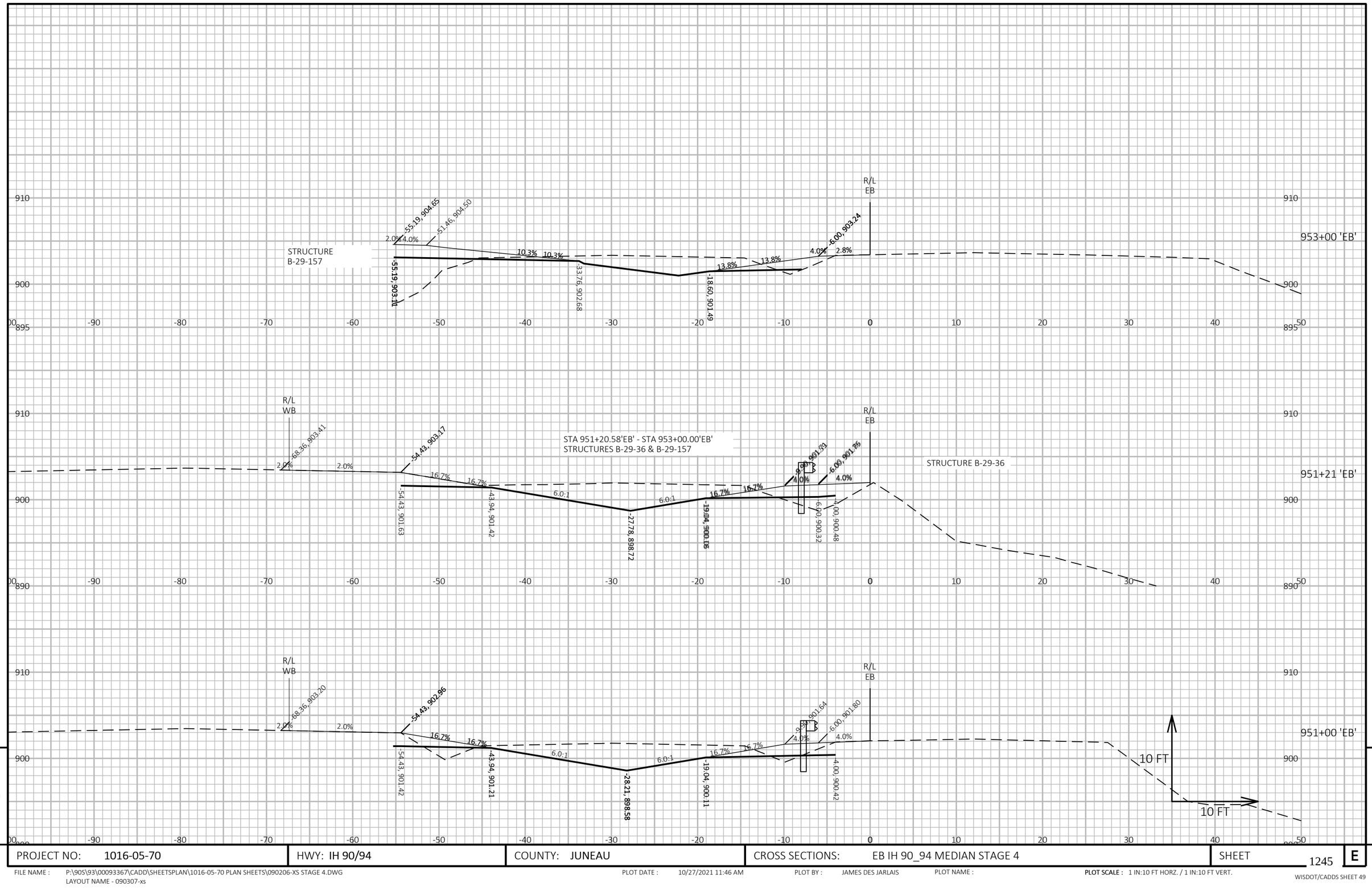
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1244	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090306-xs

PLOT DATE : 10/27/2021 11:46 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

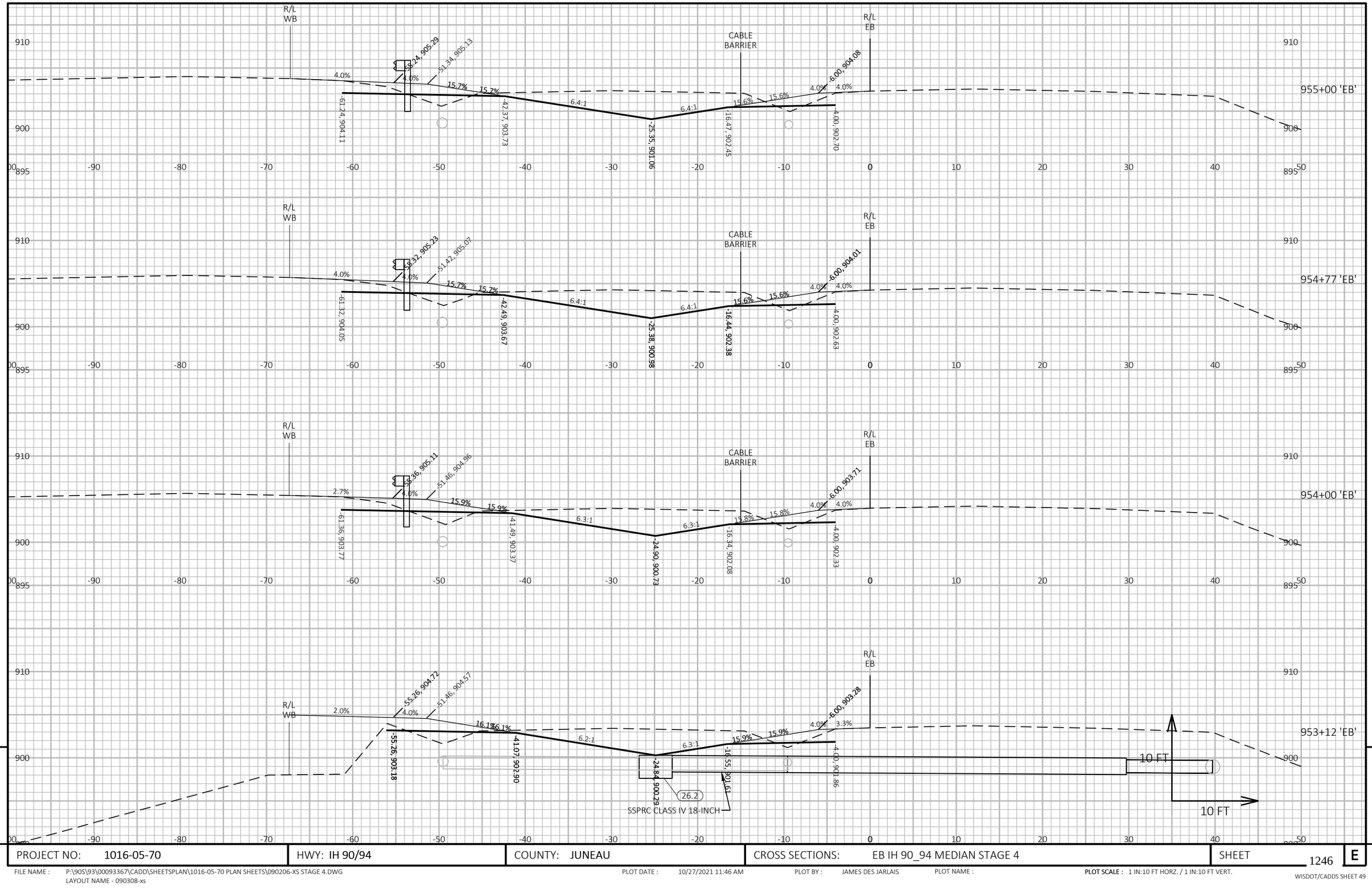
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1245	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090307-xs

PLOT DATE : 10/27/2021 11:46 AM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

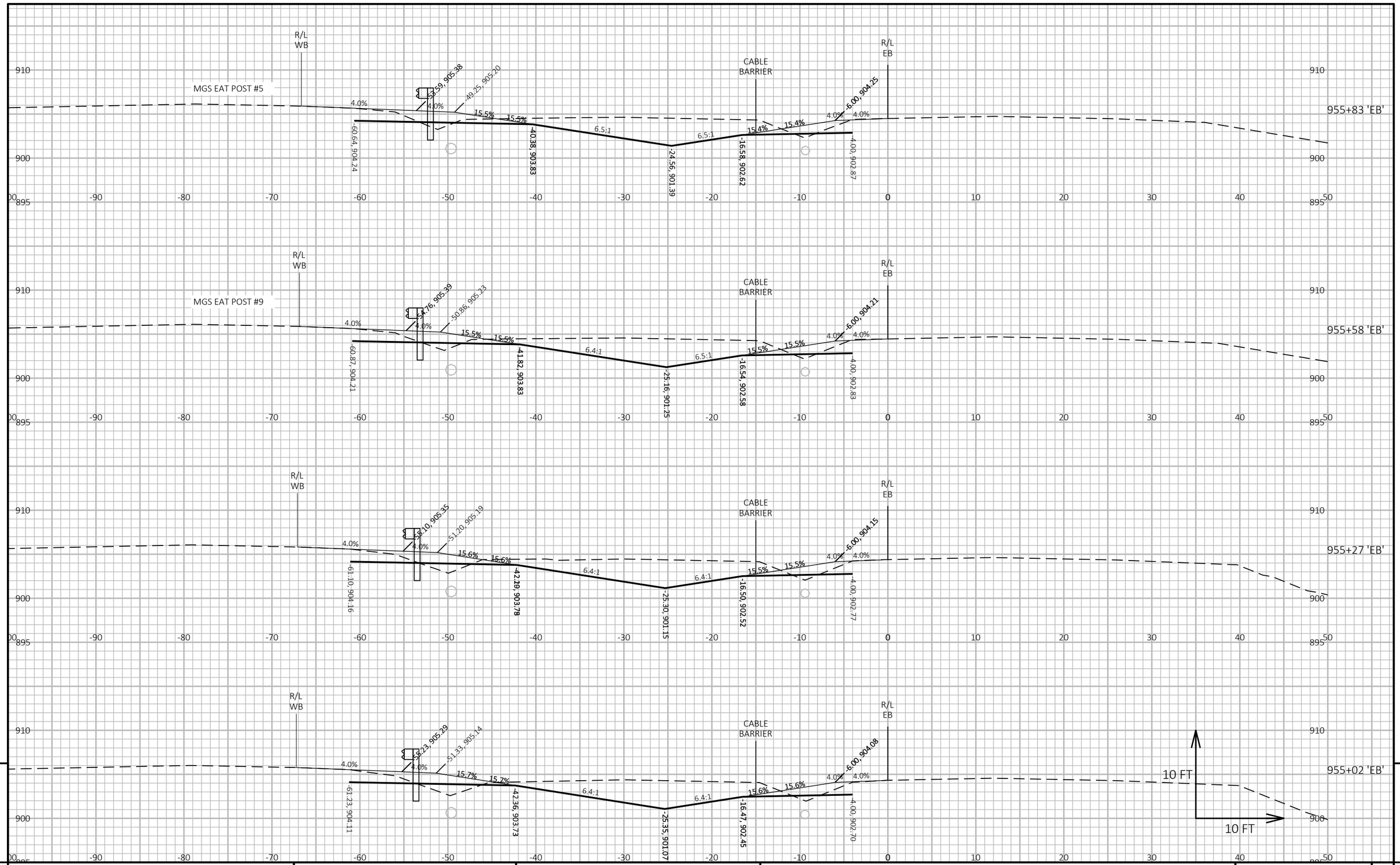
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1246	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090308-xs

PLOT DATE : 10/27/2021 11:46 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

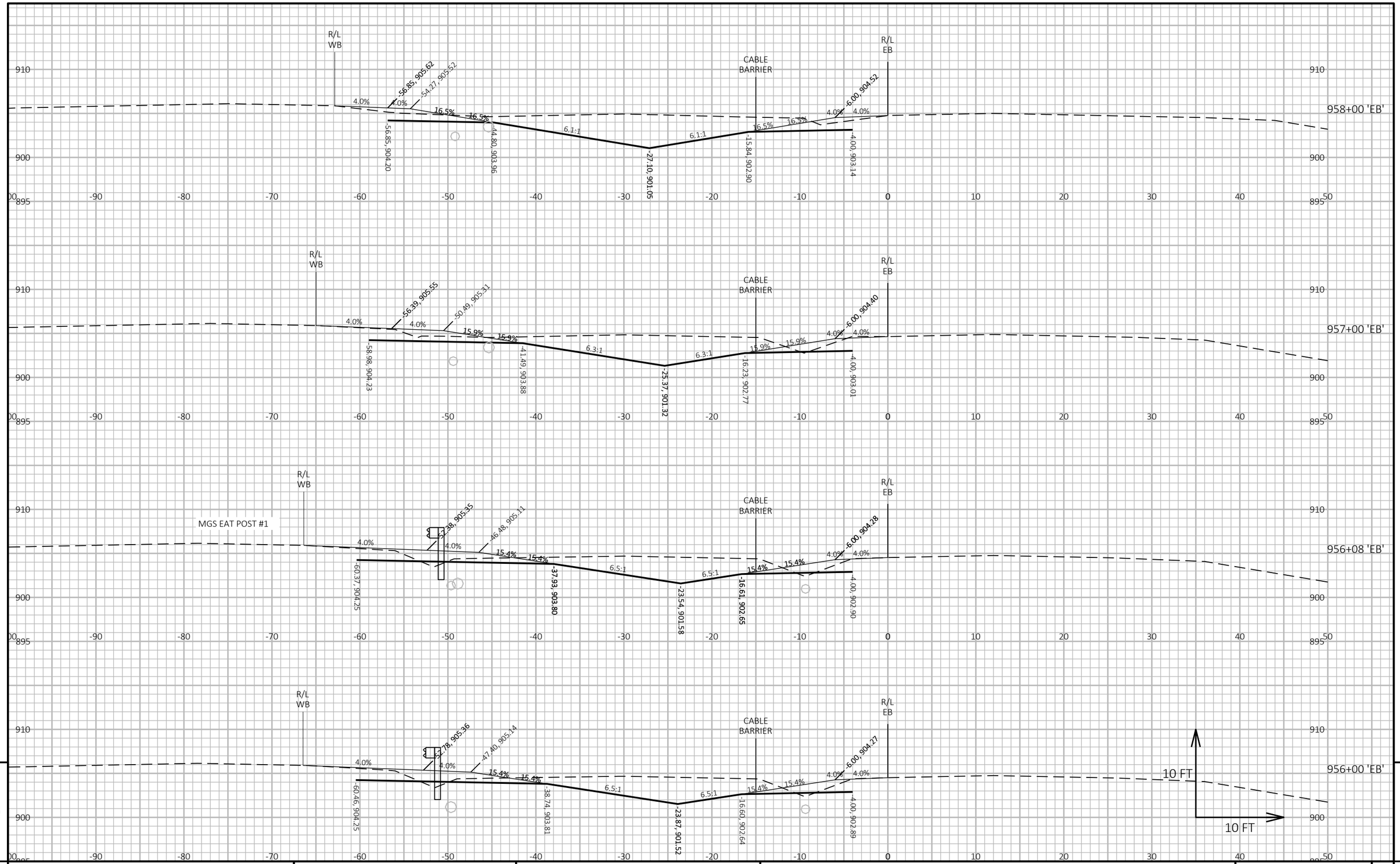


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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1247	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090309-xs

PLOT DATE : 10/27/2021 11:46 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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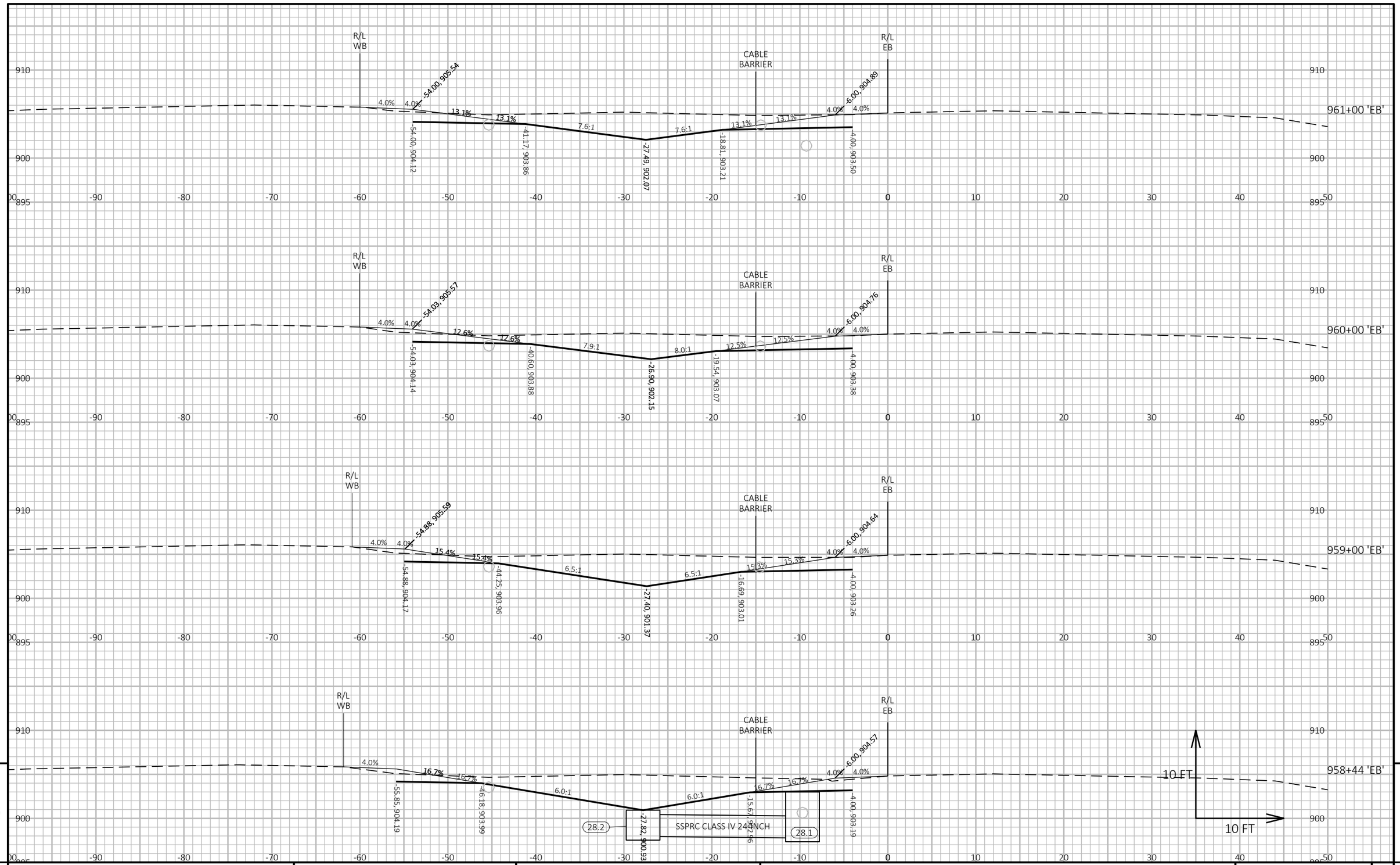
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1248	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090310-xs

PLOT DATE : 10/27/2021 11:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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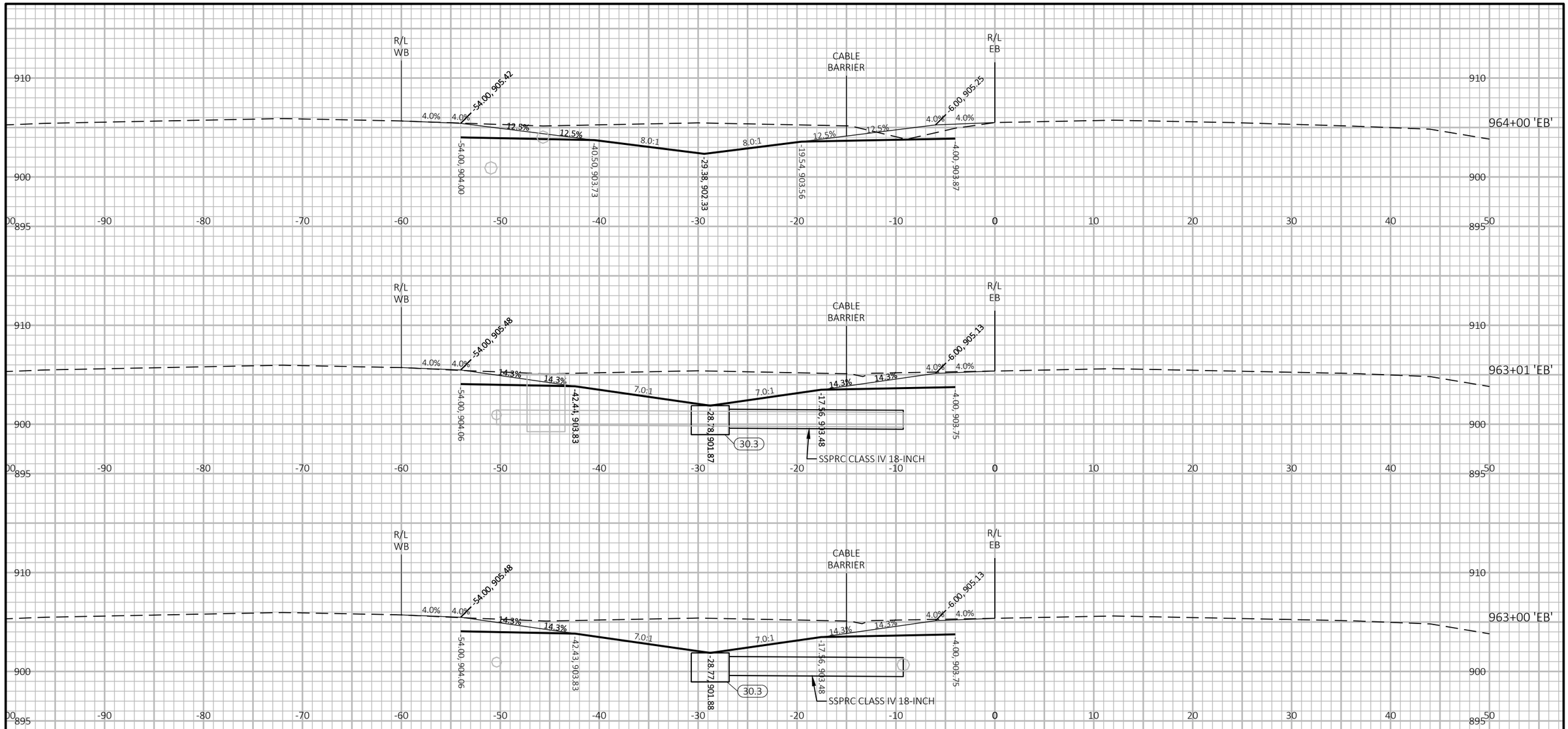
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1249	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090311-xs

PLOT DATE : 10/27/2021 11:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



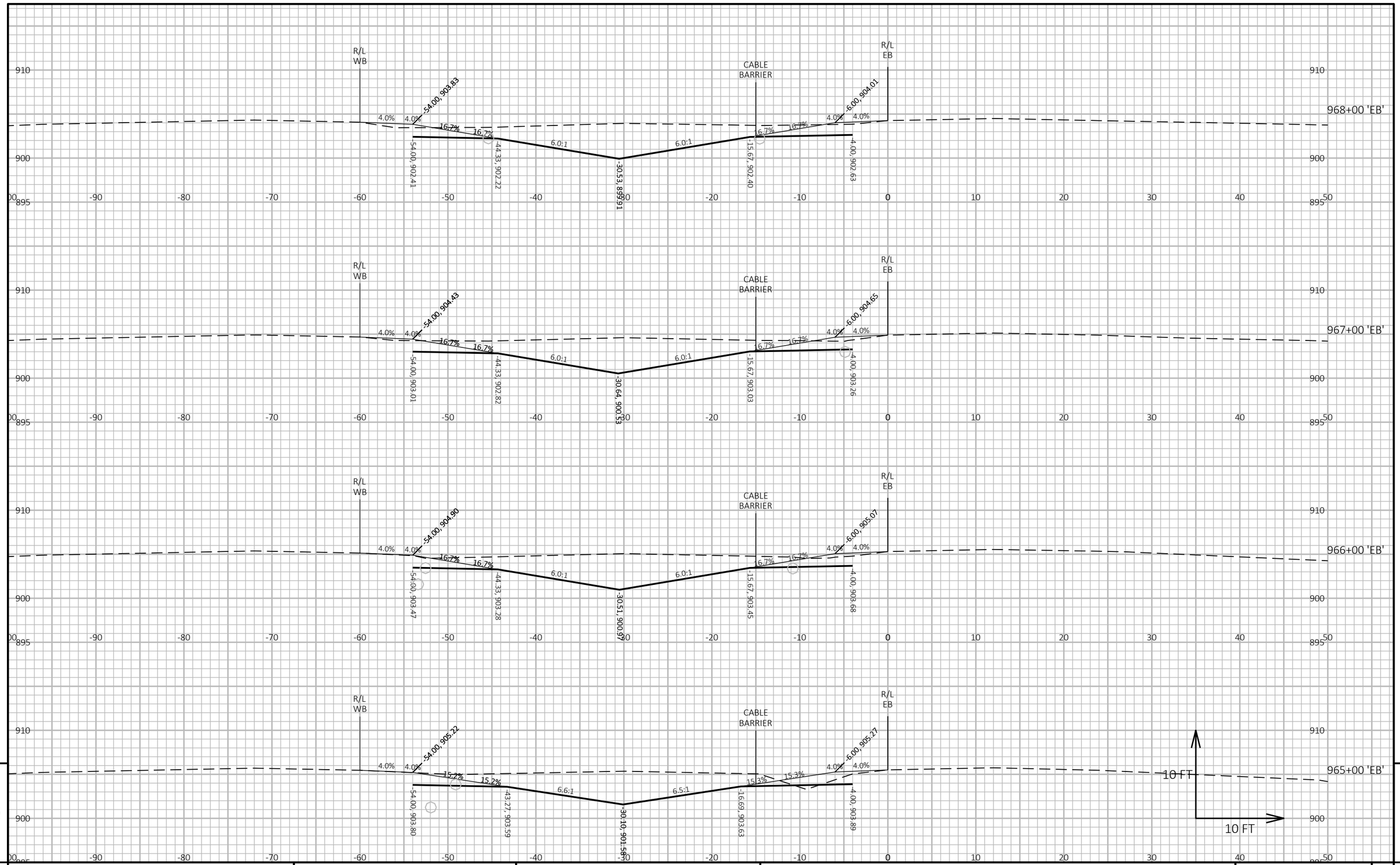
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9

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1250	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090312-xs

PLOT DATE : 10/27/2021 11:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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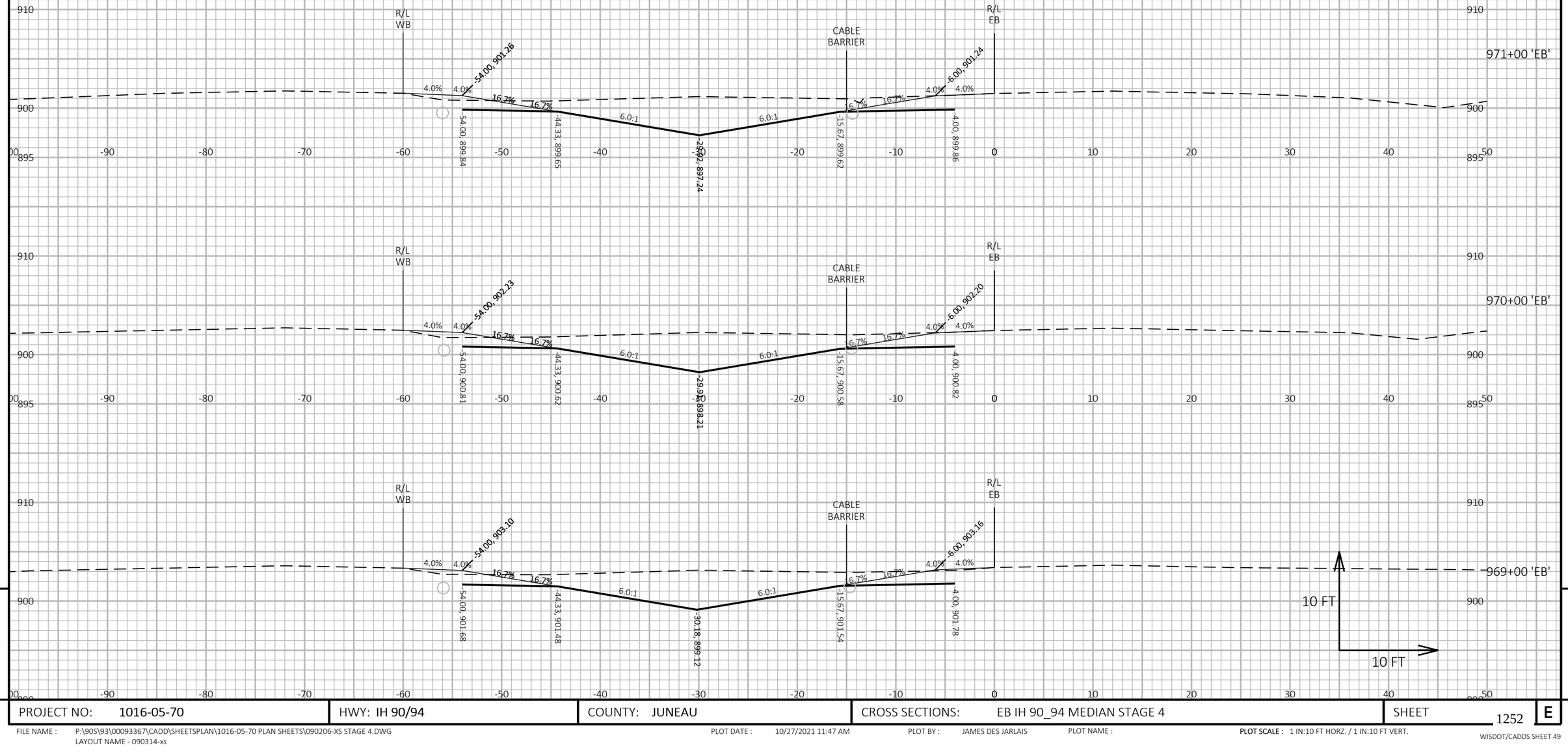
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1251	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090313-xs

PLOT DATE : 10/27/2021 11:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

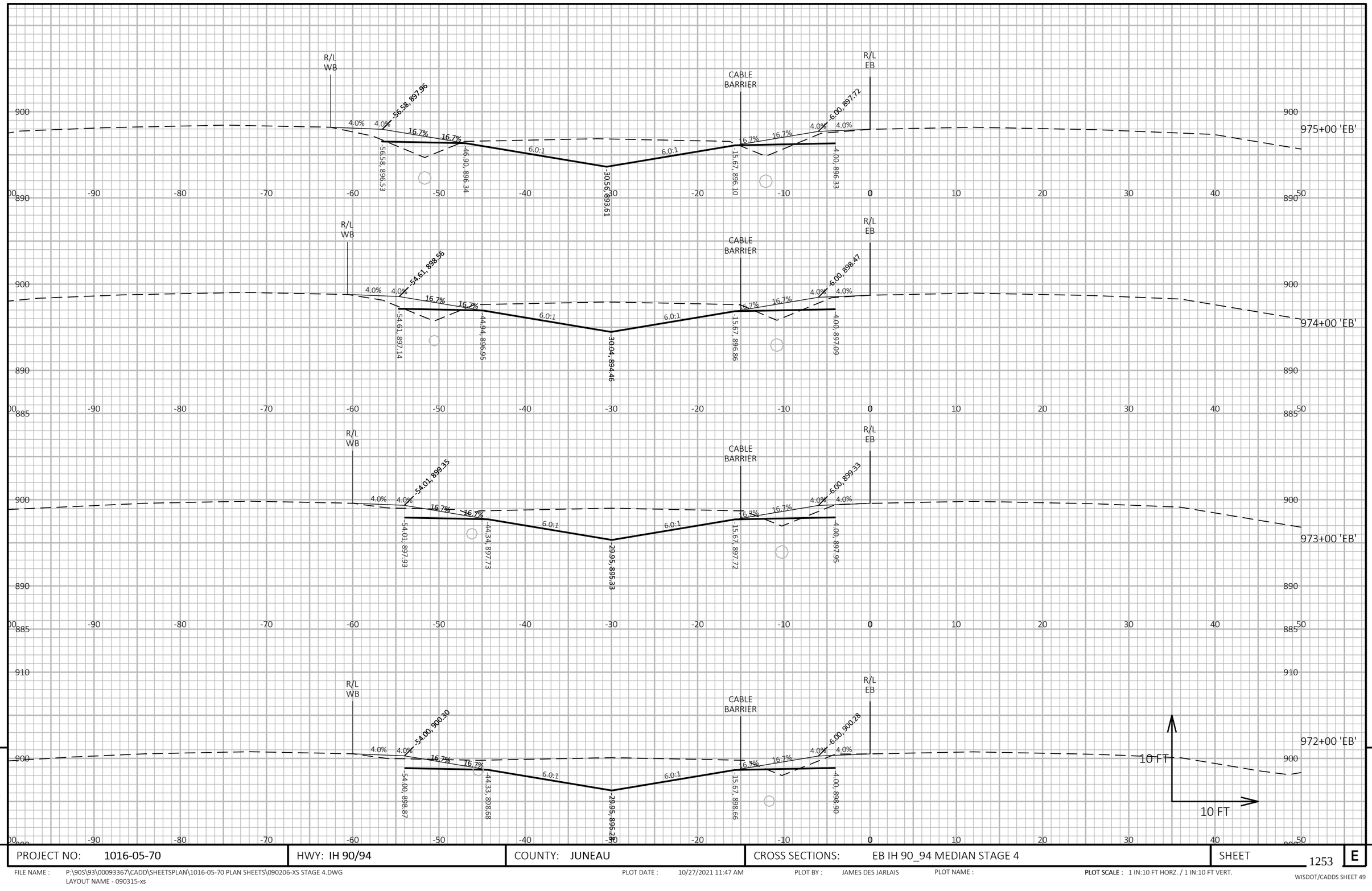


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1252 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090314-xs

PLOT DATE : 10/27/2021 11:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

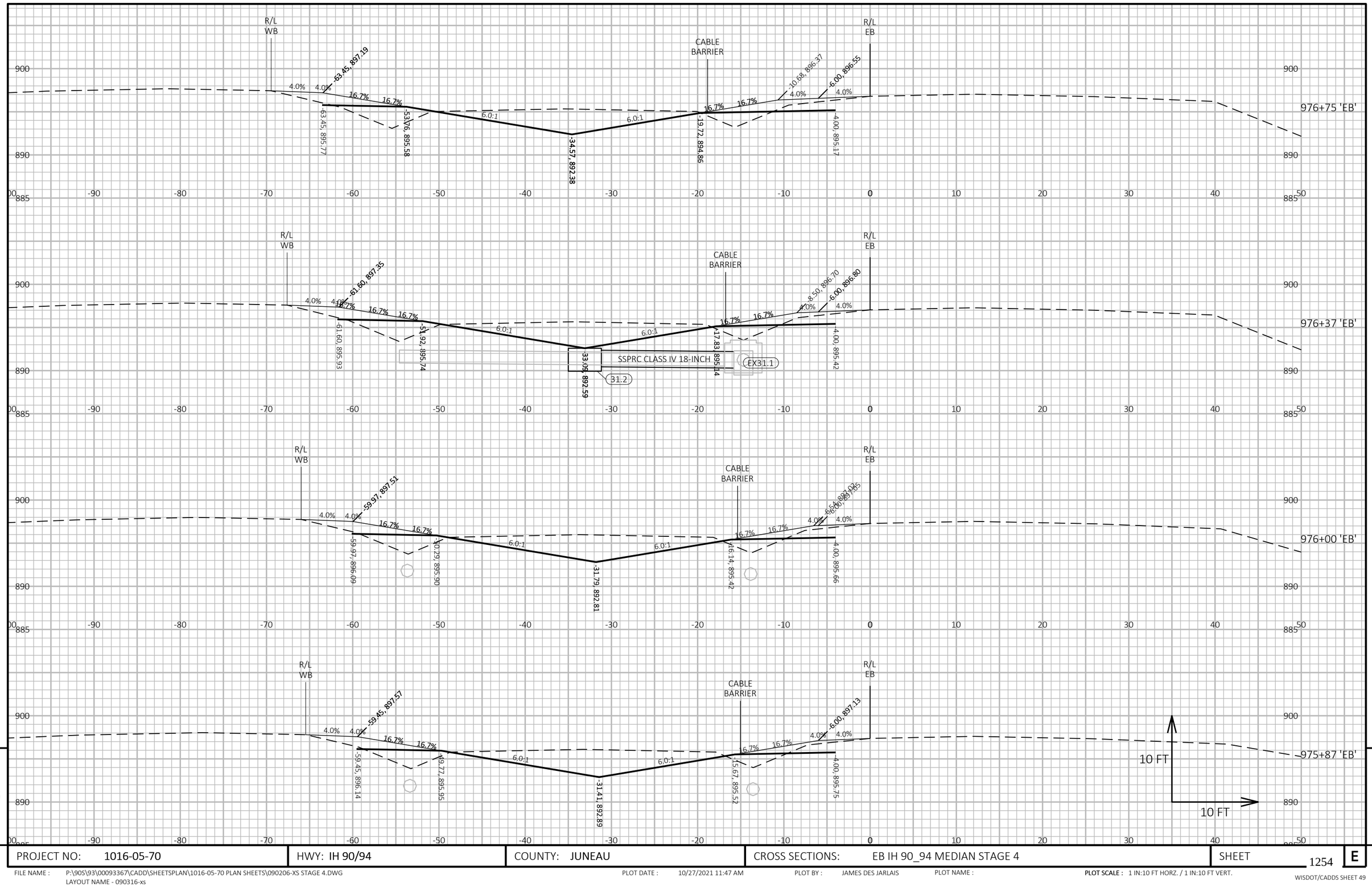
PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1253	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090315-xs

PLOT DATE : 10/27/2021 11:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

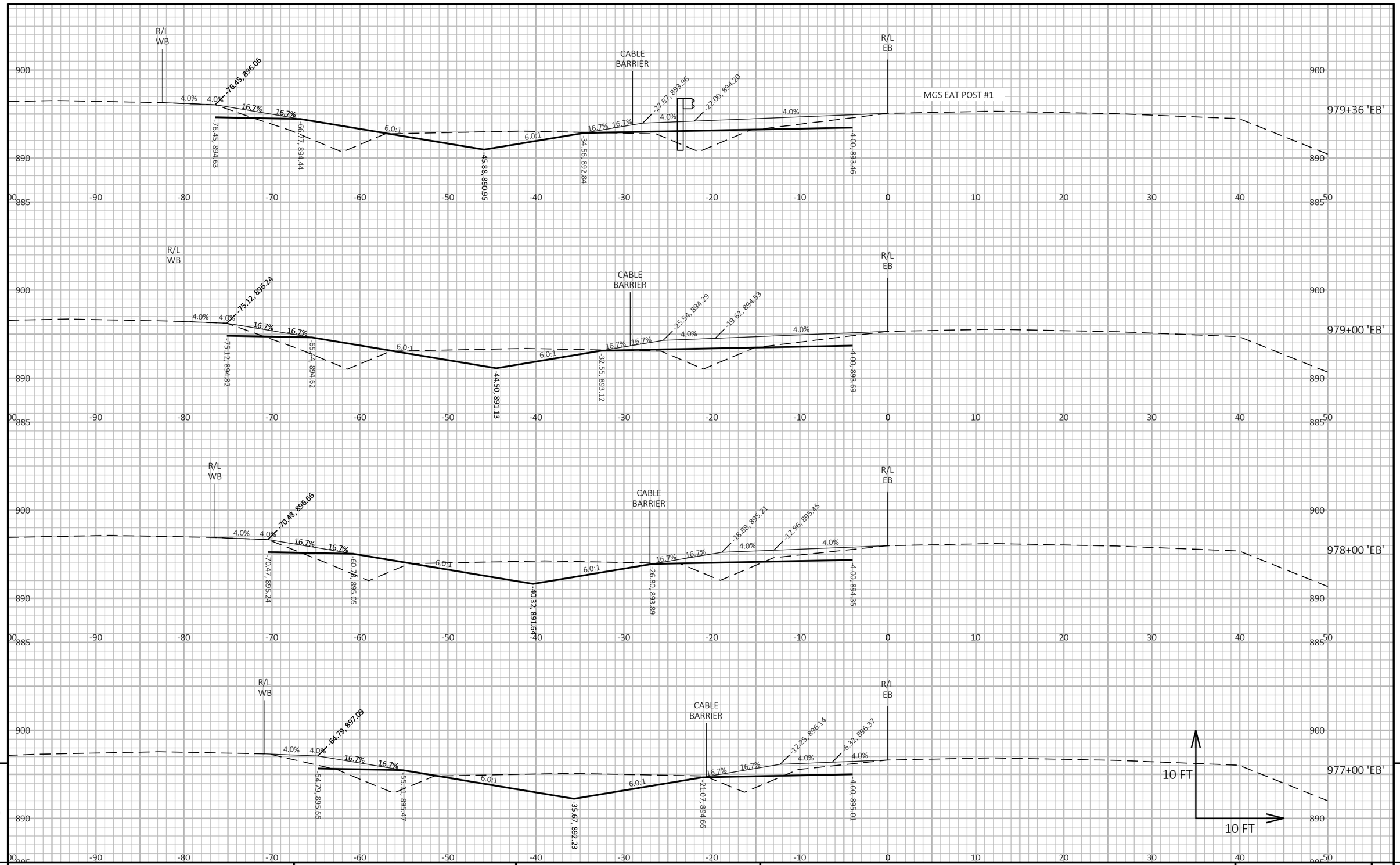
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1254	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090316-xs

PLOT DATE : 10/27/2021 11:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

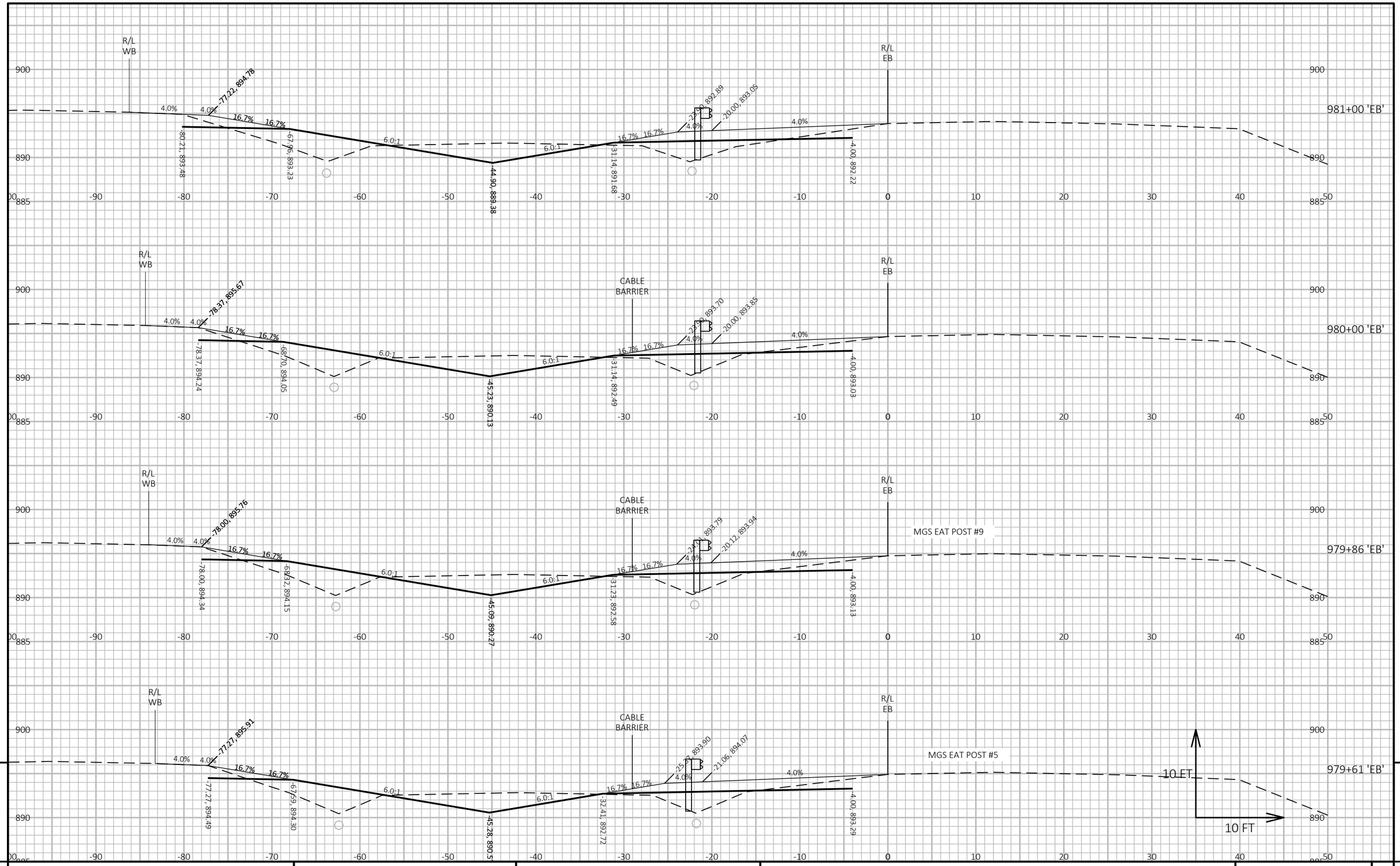
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1255	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090317-xs

PLOT DATE : 10/27/2021 11:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1256	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090318-xs

PLOT DATE : 10/27/2021 11:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

STA 982+25.09'EB' - STA 984+90.00'EB'
STRUCTURES B-29-154 & B-29-155

STRUCTURE
B-29-154

982+25 'EB'

R/L WB
R/L EB
3.0%
4.0%
-69.46, 893.38
16.7%
16.7%
-80.73, 892.24
-60.14, 891.83
6.0:1
6.0:1
-42.44, 888.87
-33.86, 890.30
16.7%
16.7%
4.0%
-23.00, 891.97
-20.00, 892.12
2.0%
-4.00, 891.19

982+10 'EB'

R/L WB
R/L EB
3.6%
4.0%
-70.41, 893.48
16.7%
16.7%
-80.73, 892.40
-61.70, 892.01
SSPRC CLASS IV 18-INCH
6.0:1
6.0:1
-43.15, 888.93
32.3
-33.85, 890.48
16.7%
16.7%
4.0%
-23.00, 892.15
-20.00, 892.30
2.0%
-4.00, 891.08

982+00 'EB'

R/L WB
R/L EB
4.0%
4.0%
-71.04, 893.55
16.7%
16.7%
-80.73, 892.51
-62.68, 892.15
6.0:1
6.0:1
-43.62, 888.97
-33.86, 890.60
16.7%
16.7%
4.0%
-23.00, 892.26
-20.00, 892.42
2.0%
-4.00, 891.19

981+50 'EB'

R/L WB
R/L EB
4.0%
4.0%
4.0%
-74.18, 894.19
16.7%
16.7%
-80.61, 893.02
-65.39, 892.72
6.0:1
6.0:1
-44.03, 889.15
-33.88, 891.18
16.7%
16.7%
4.0%
-23.00, 892.51
-20.00, 892.67
3.5%
-4.00, 891.74

10 FT
10 FT

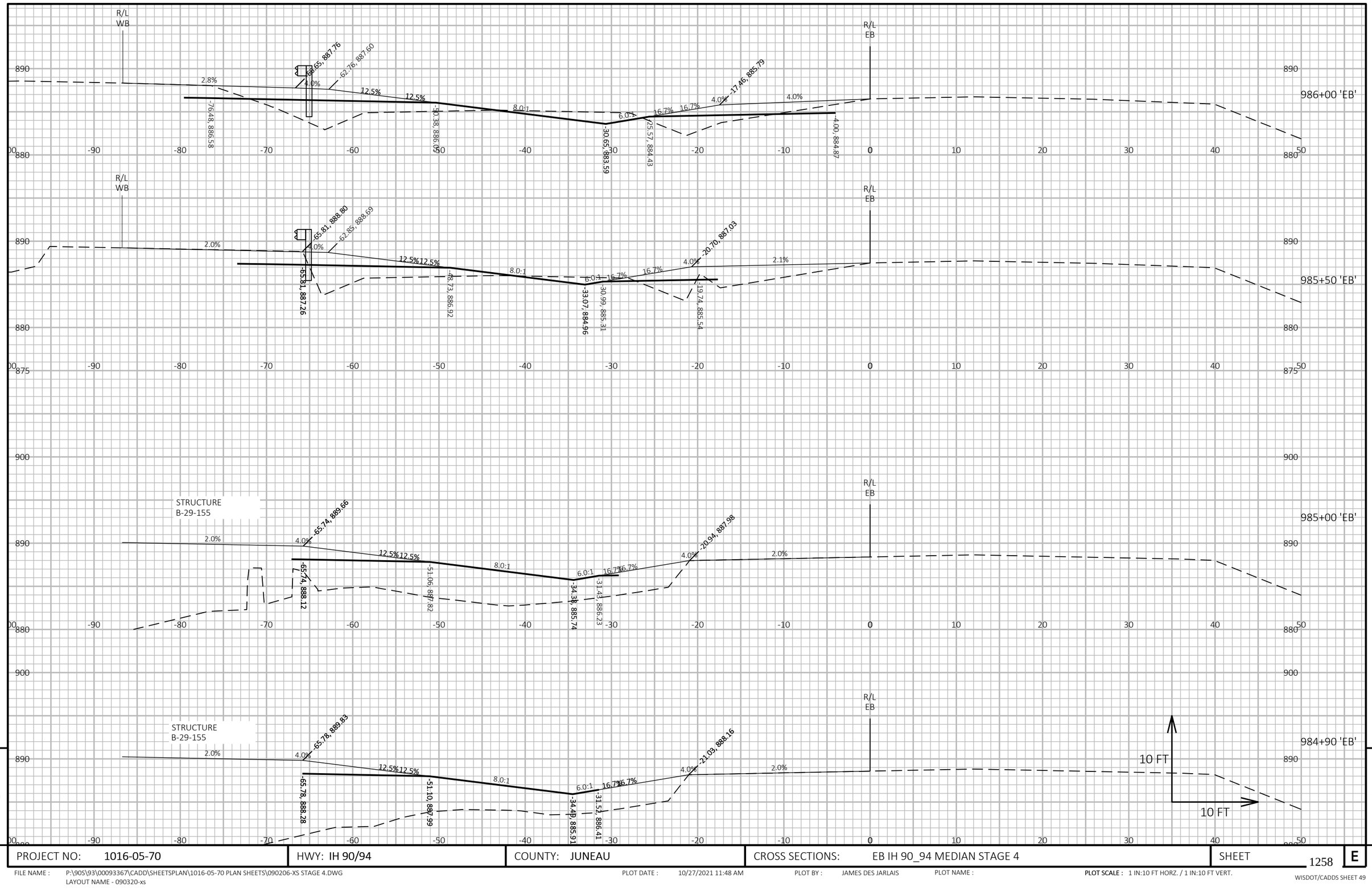
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9

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1257	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090319-xs

PLOT DATE : 10/27/2021 11:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

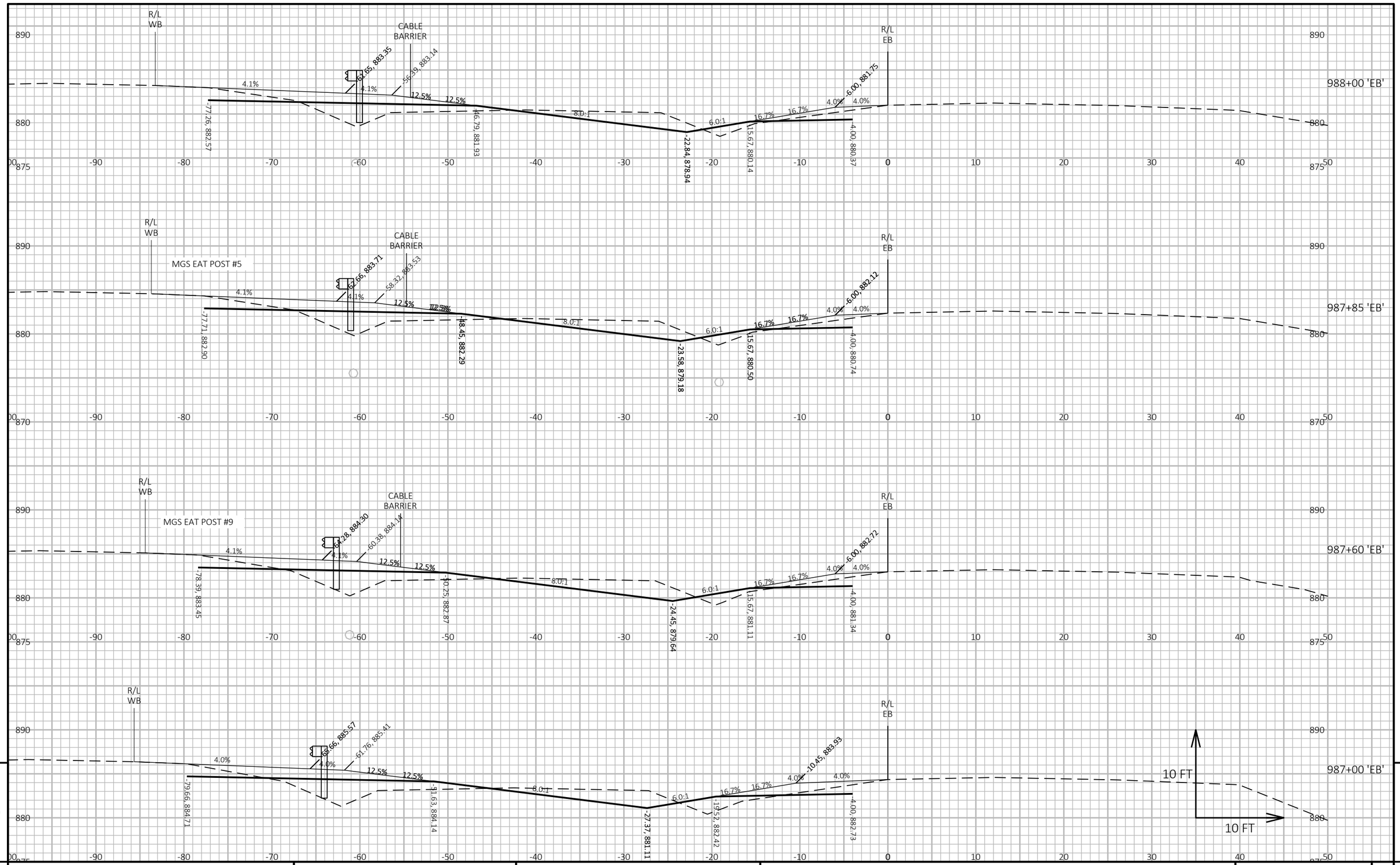


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1258 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090320-xs

PLOT DATE : 10/27/2021 11:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

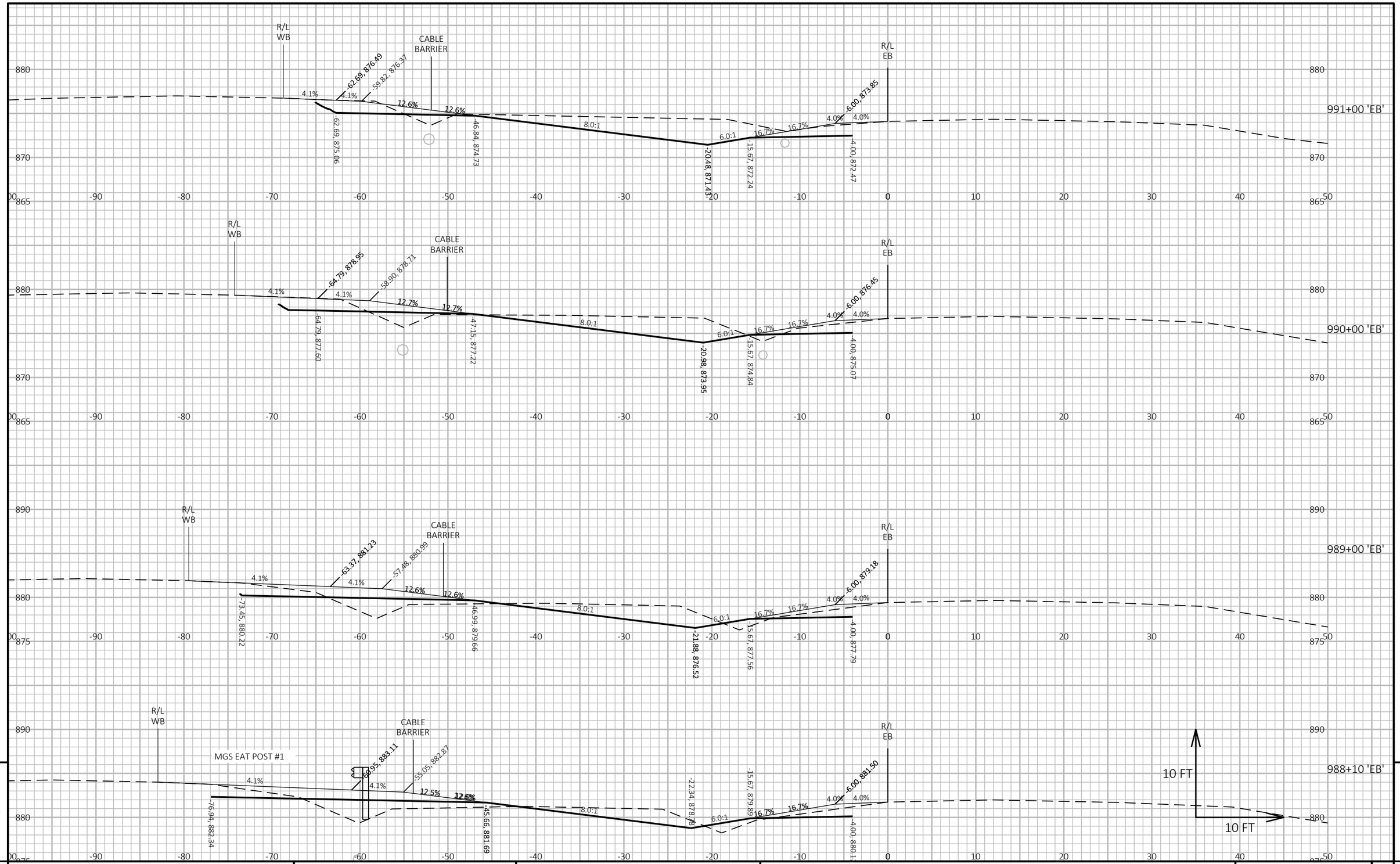


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1259 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090321-xs

PLOT DATE : 10/27/2021 11:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

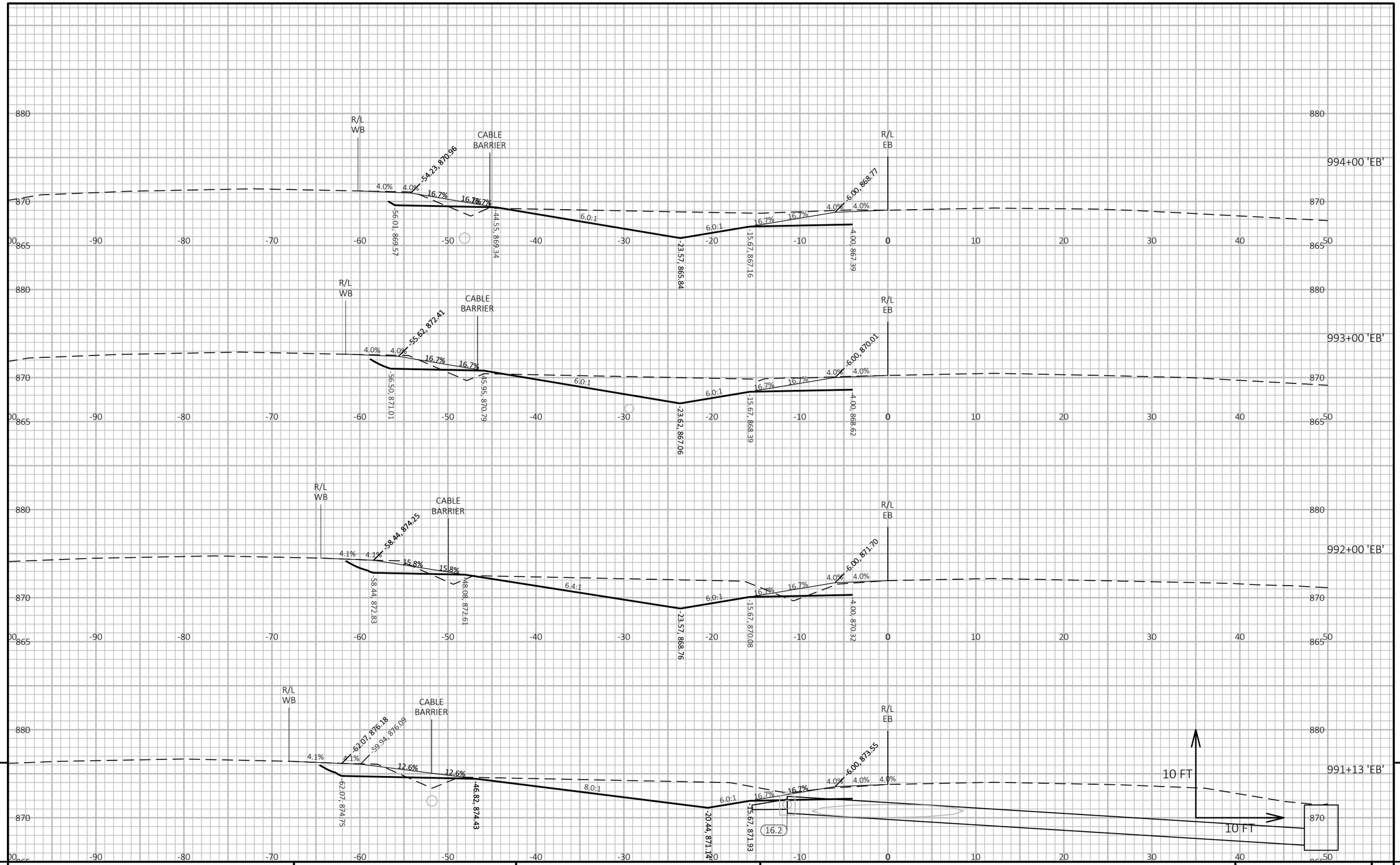
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1260	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090322-xs

PLOT DATE : 10/27/2021 11:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1261	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090323-xs

PLOT DATE : 10/27/2021 11:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

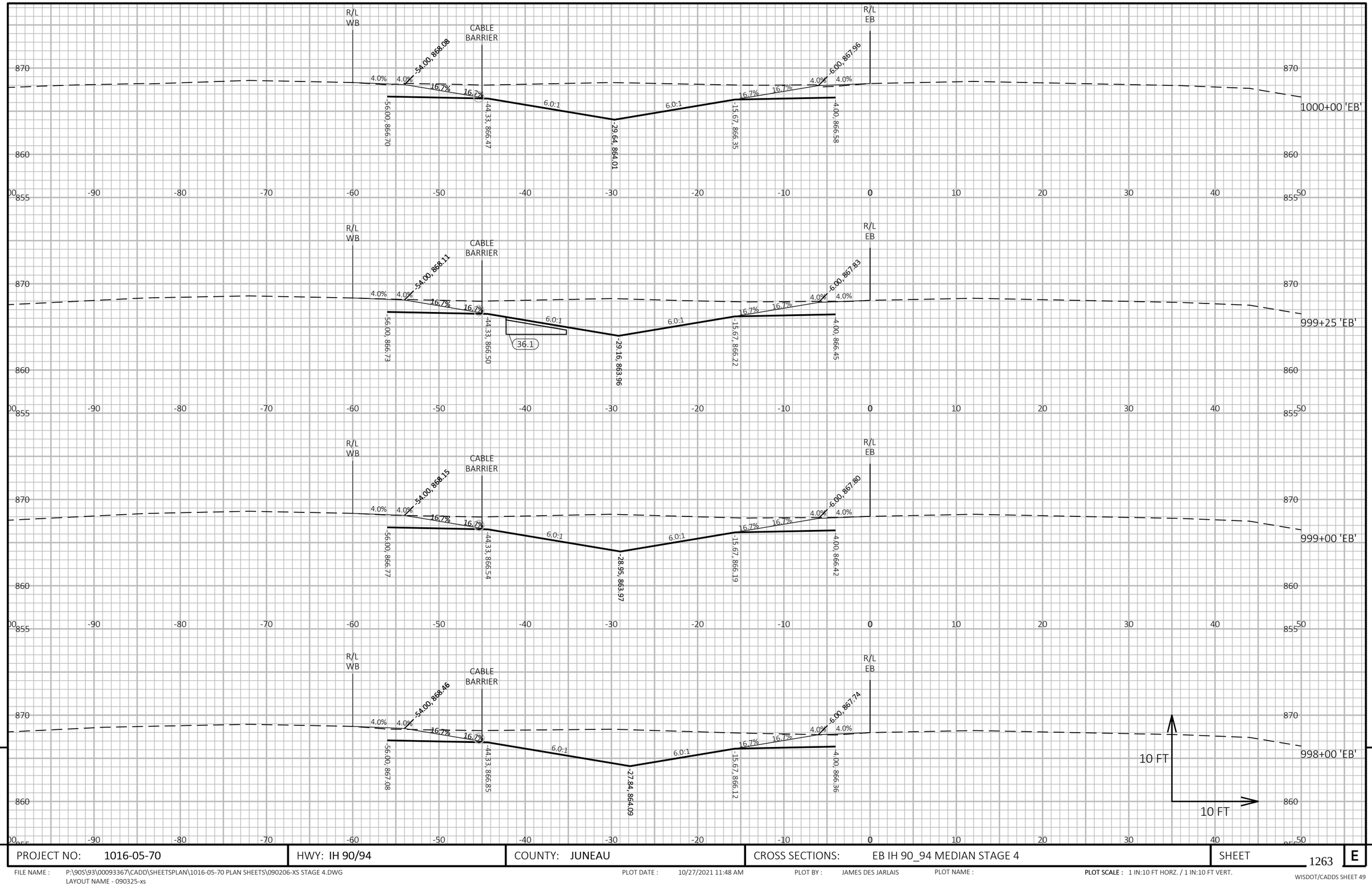


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1262	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090324-xs

PLOT DATE : 10/27/2021 11:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

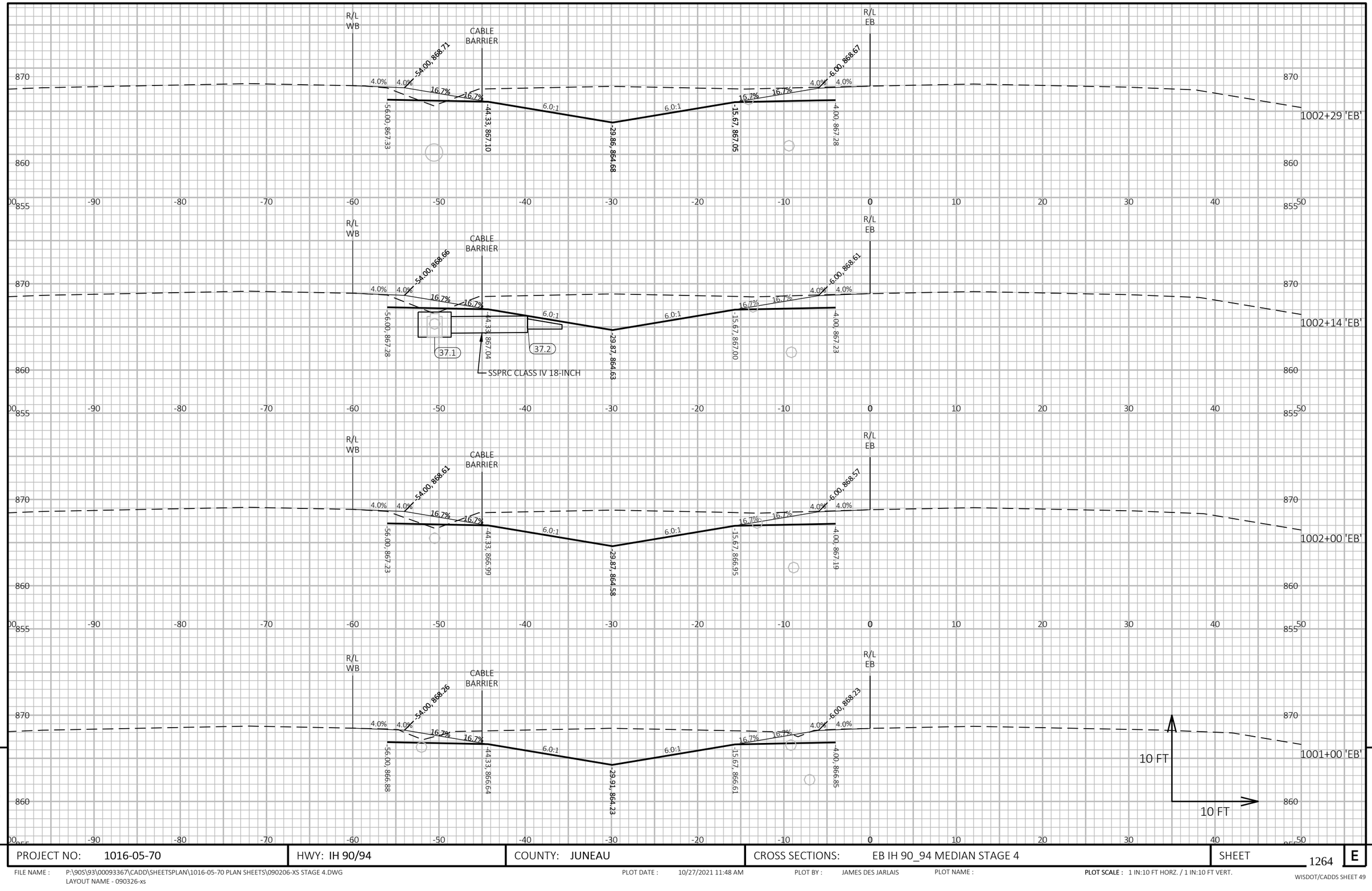
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1263	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090325-xs

PLOT DATE : 10/27/2021 11:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

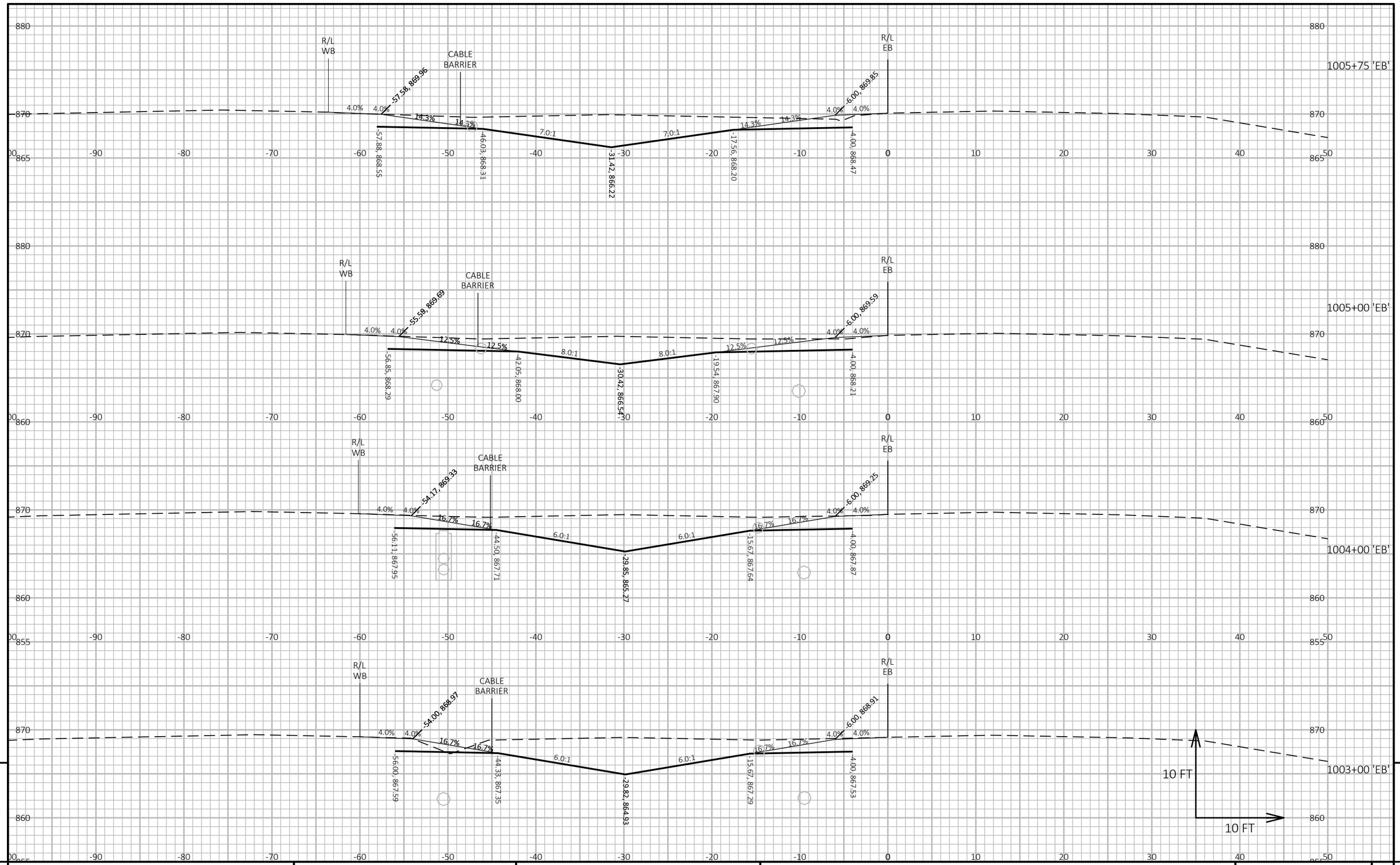
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1264	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090326-xs

PLOT DATE : 10/27/2021 11:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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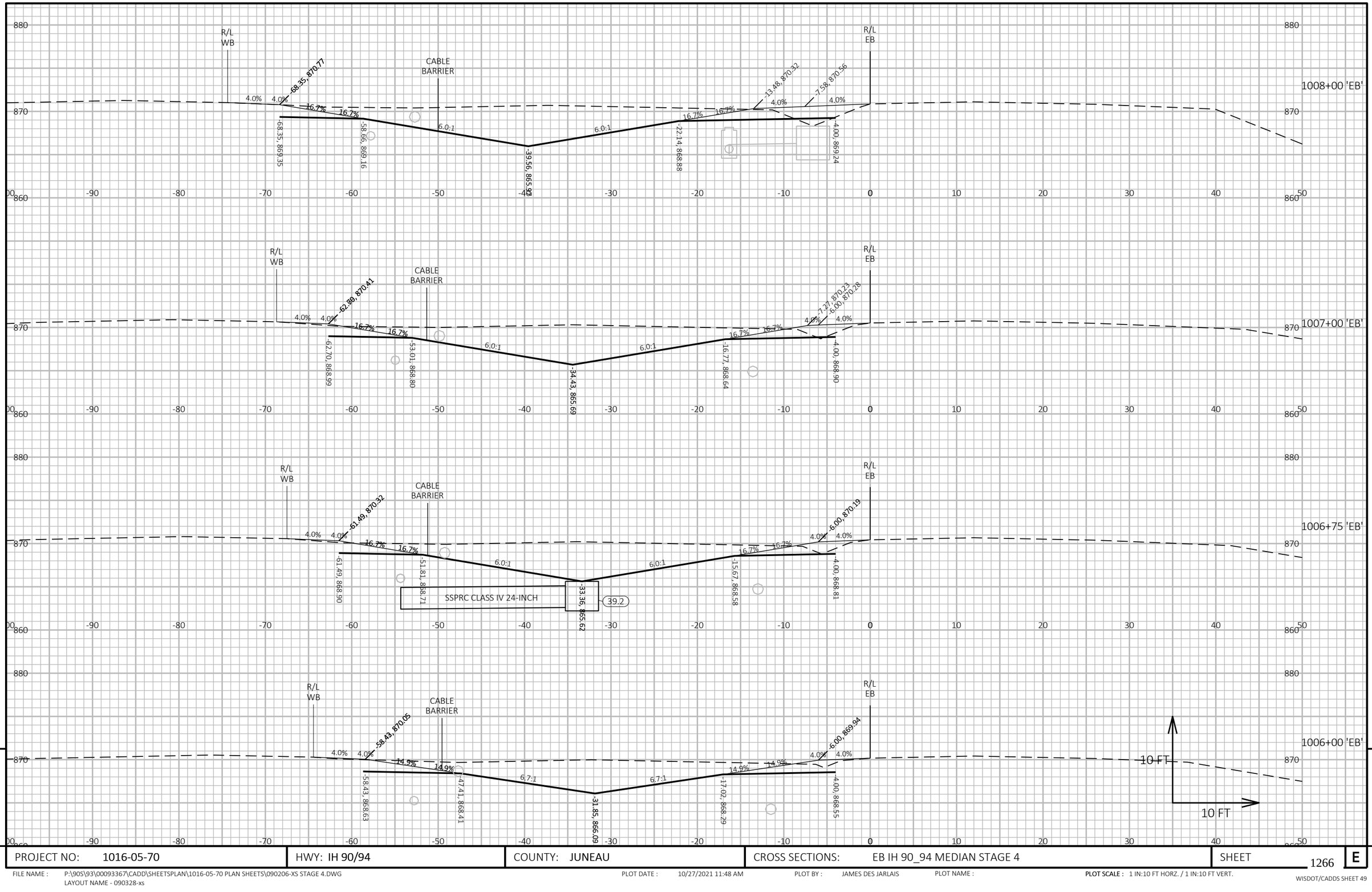
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1265	E

FILE NAME : P:\905\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090327-xs

PLOT DATE : 10/27/2021 11:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

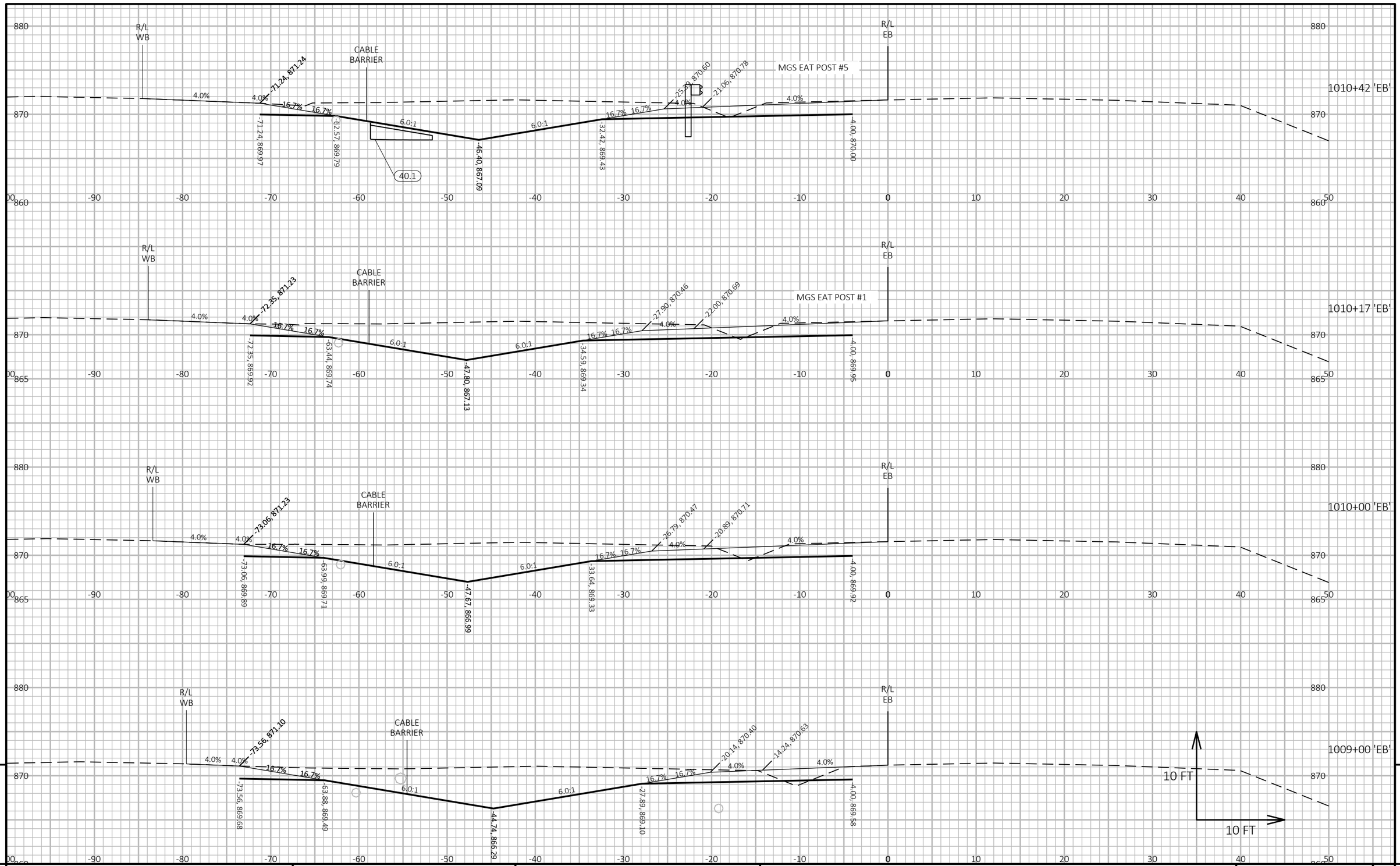
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1266	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090328-xs

PLOT DATE : 10/27/2021 11:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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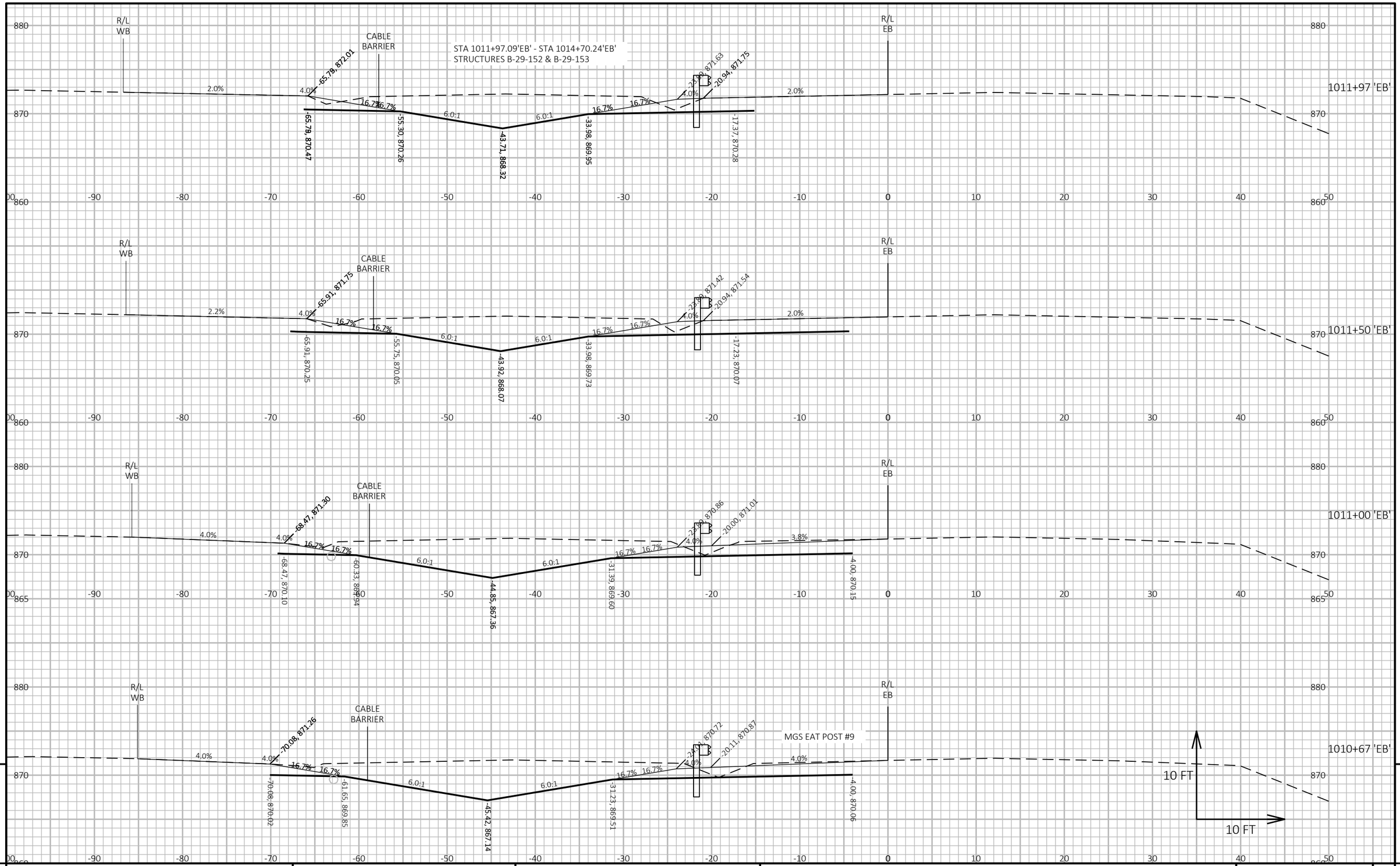
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1267	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090329-xs

PLOT DATE : 10/27/2021 11:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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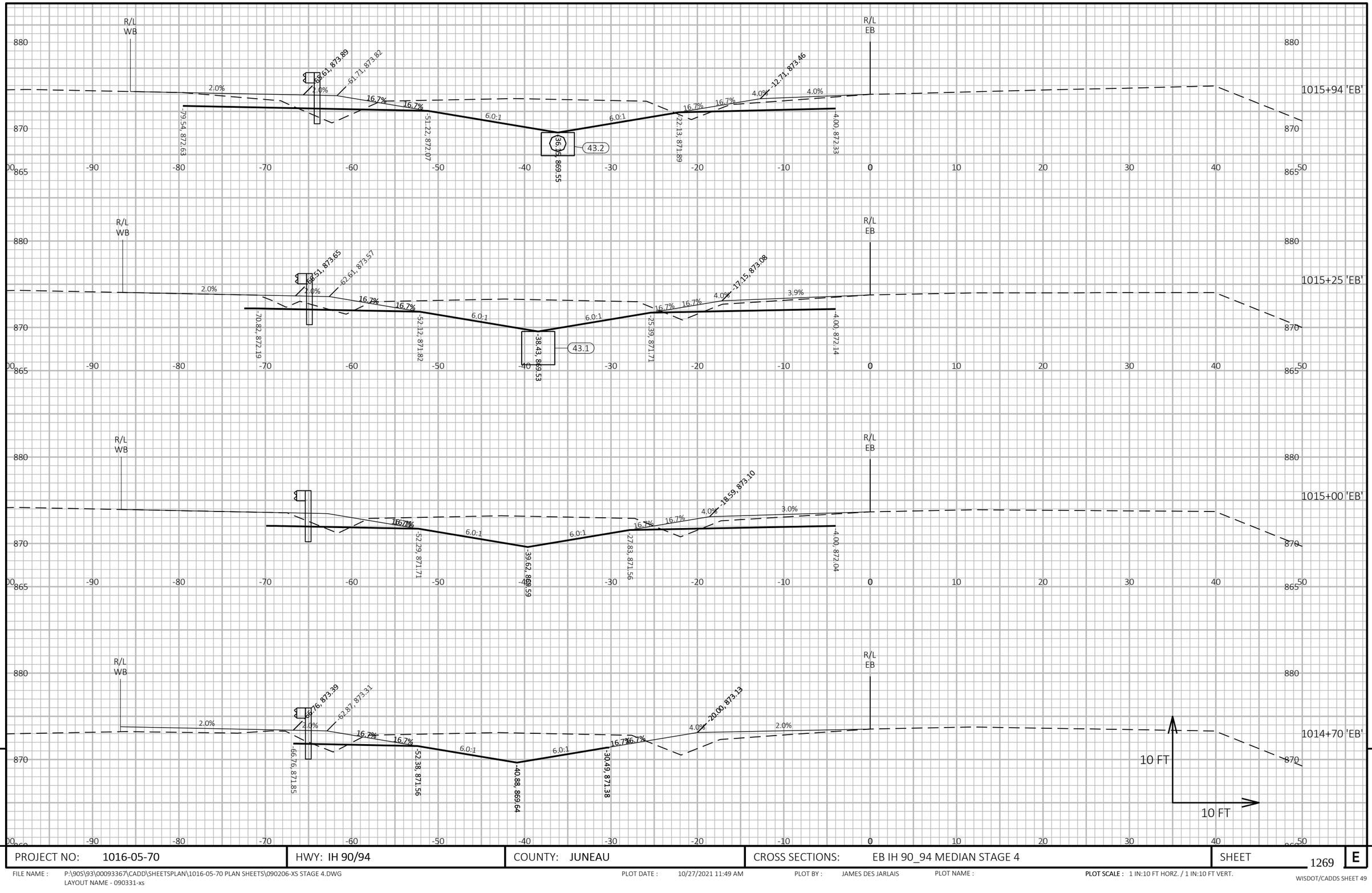
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1268	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090330-xs

PLOT DATE : 10/27/2021 11:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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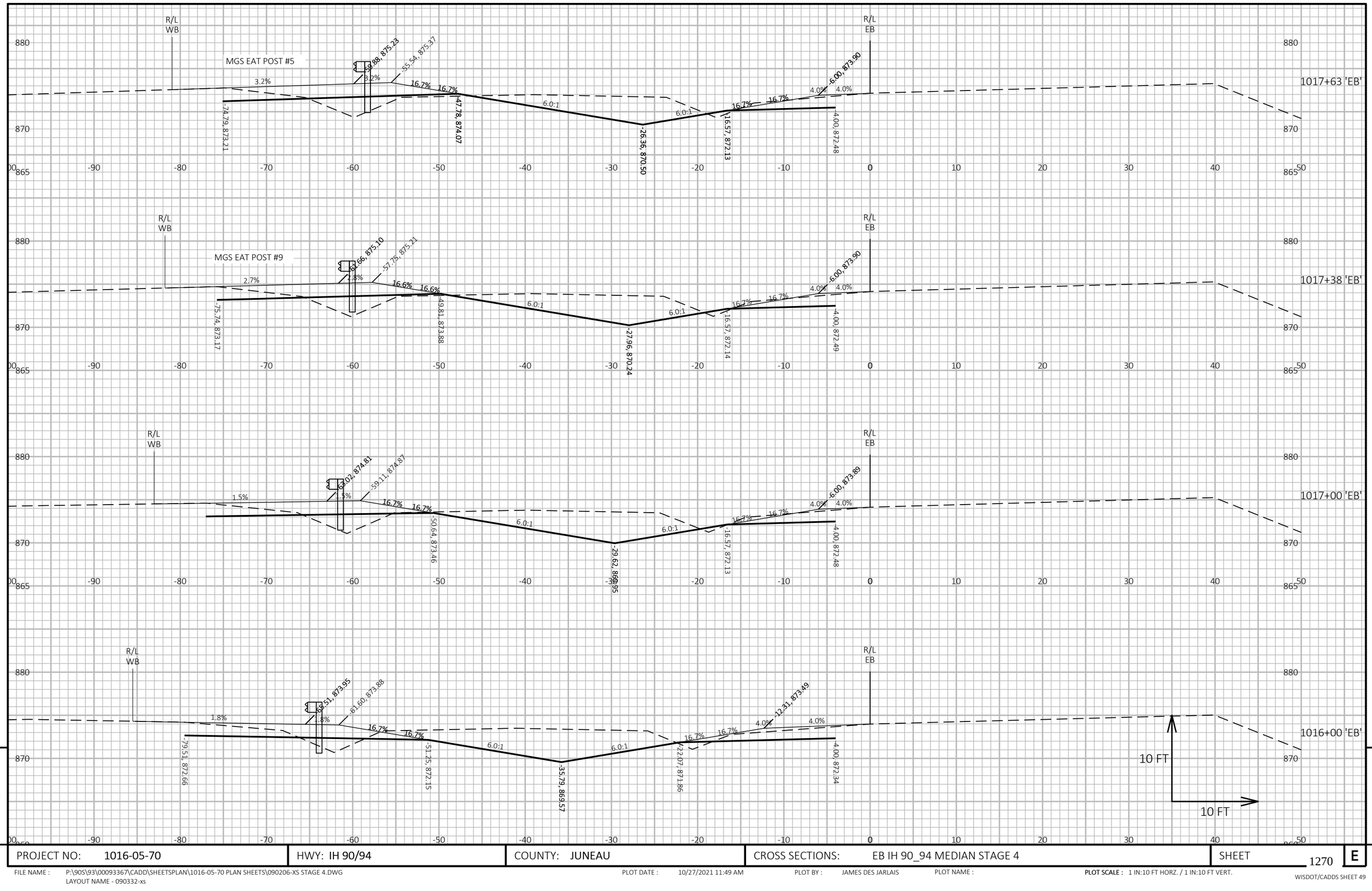
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1269	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090331-xs

PLOT DATE : 10/27/2021 11:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



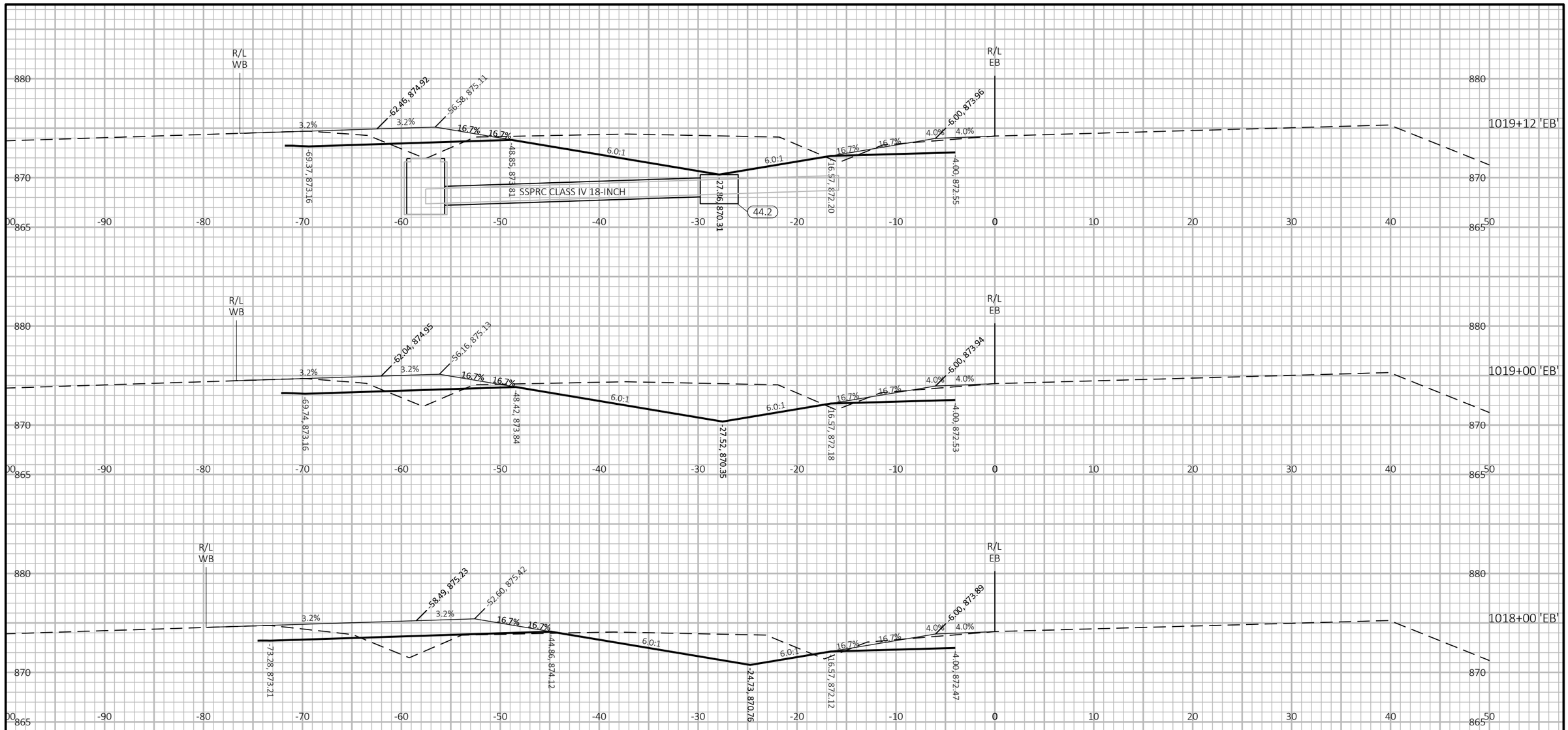
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1270	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090332-xs

PLOT DATE : 10/27/2021 11:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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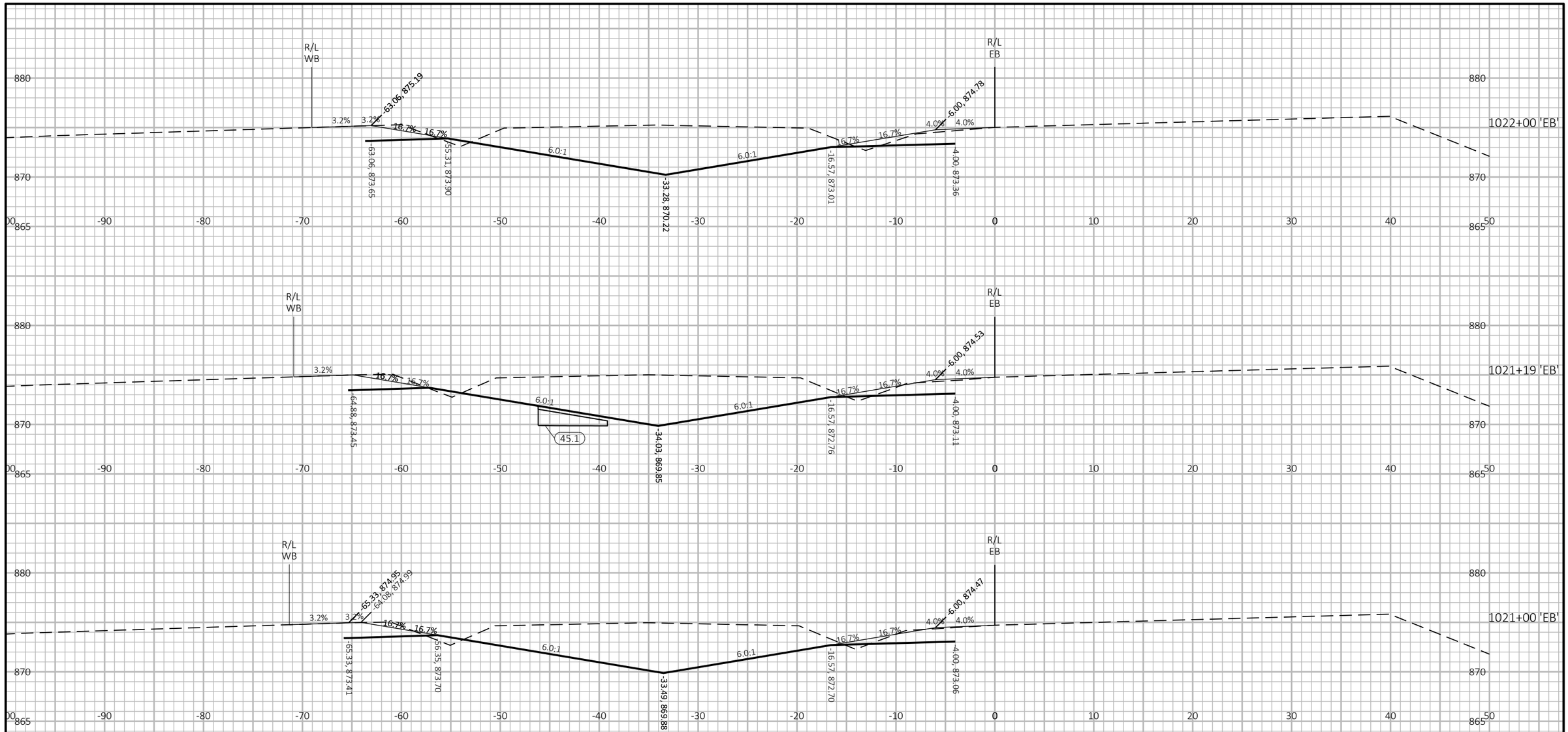
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1271	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090333-xs

PLOT DATE : 10/27/2021 11:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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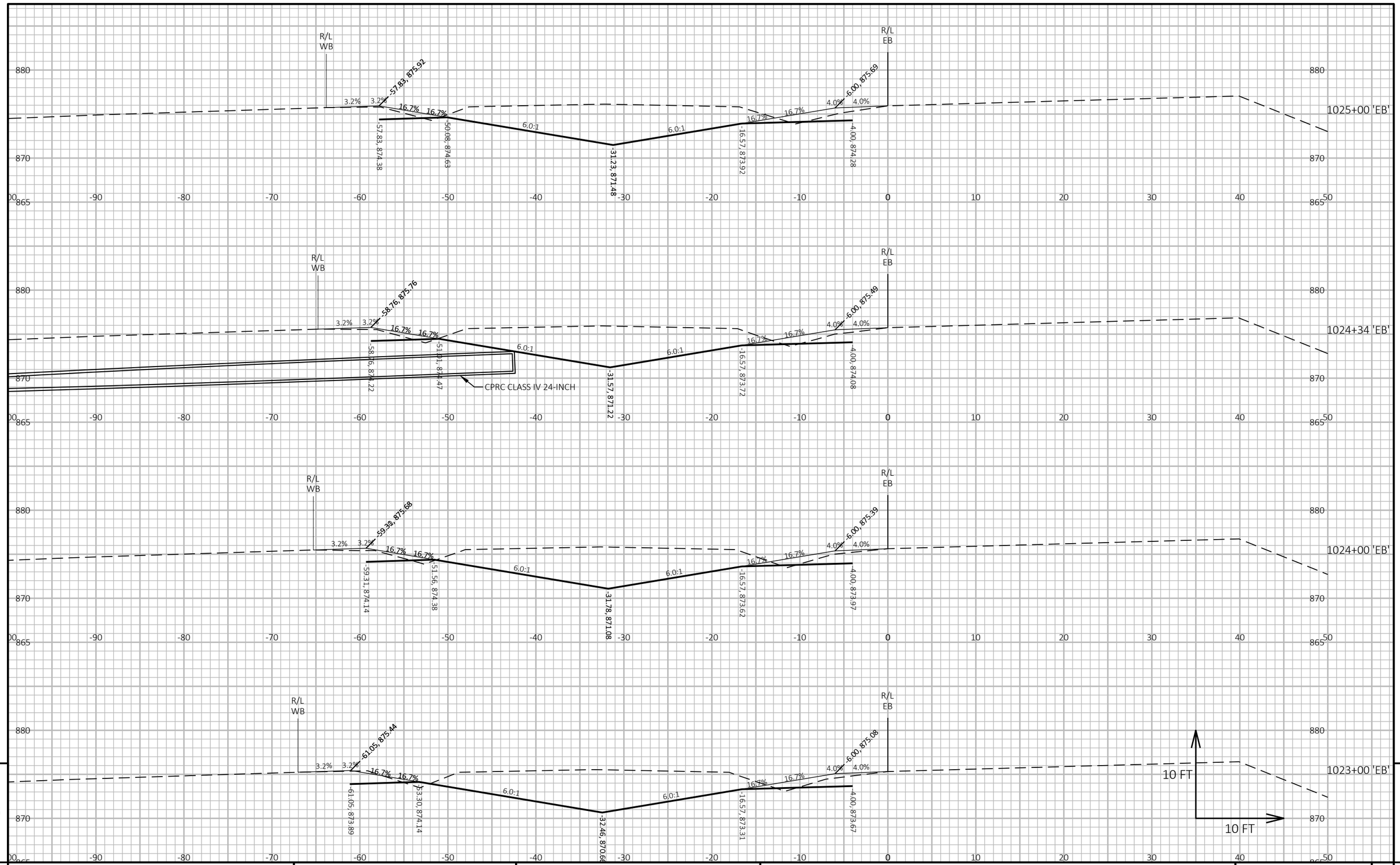
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1272	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090334-xs

PLOT DATE : 10/27/2021 11:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

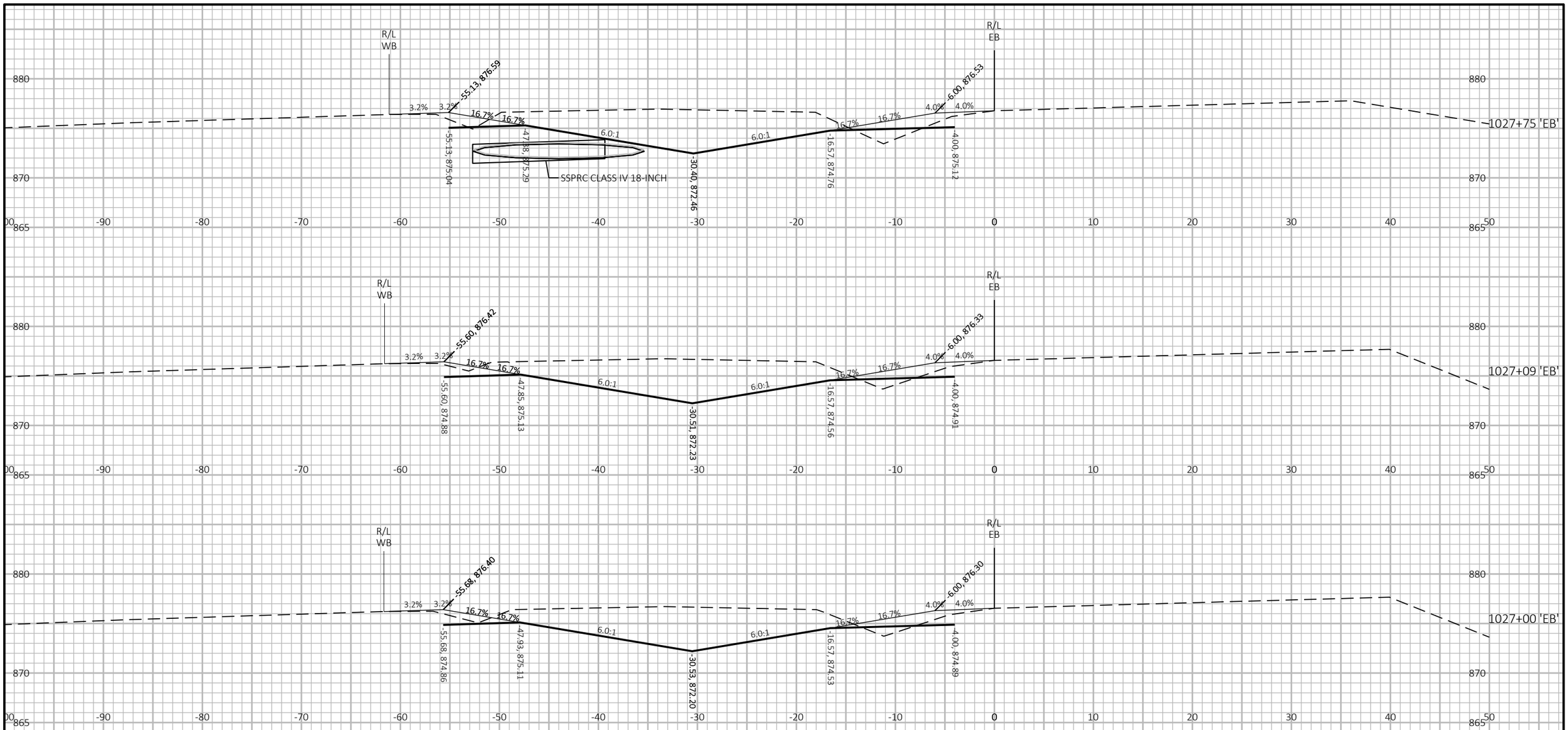


PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1273	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090335-xs

PLOT DATE : 10/27/2021 11:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

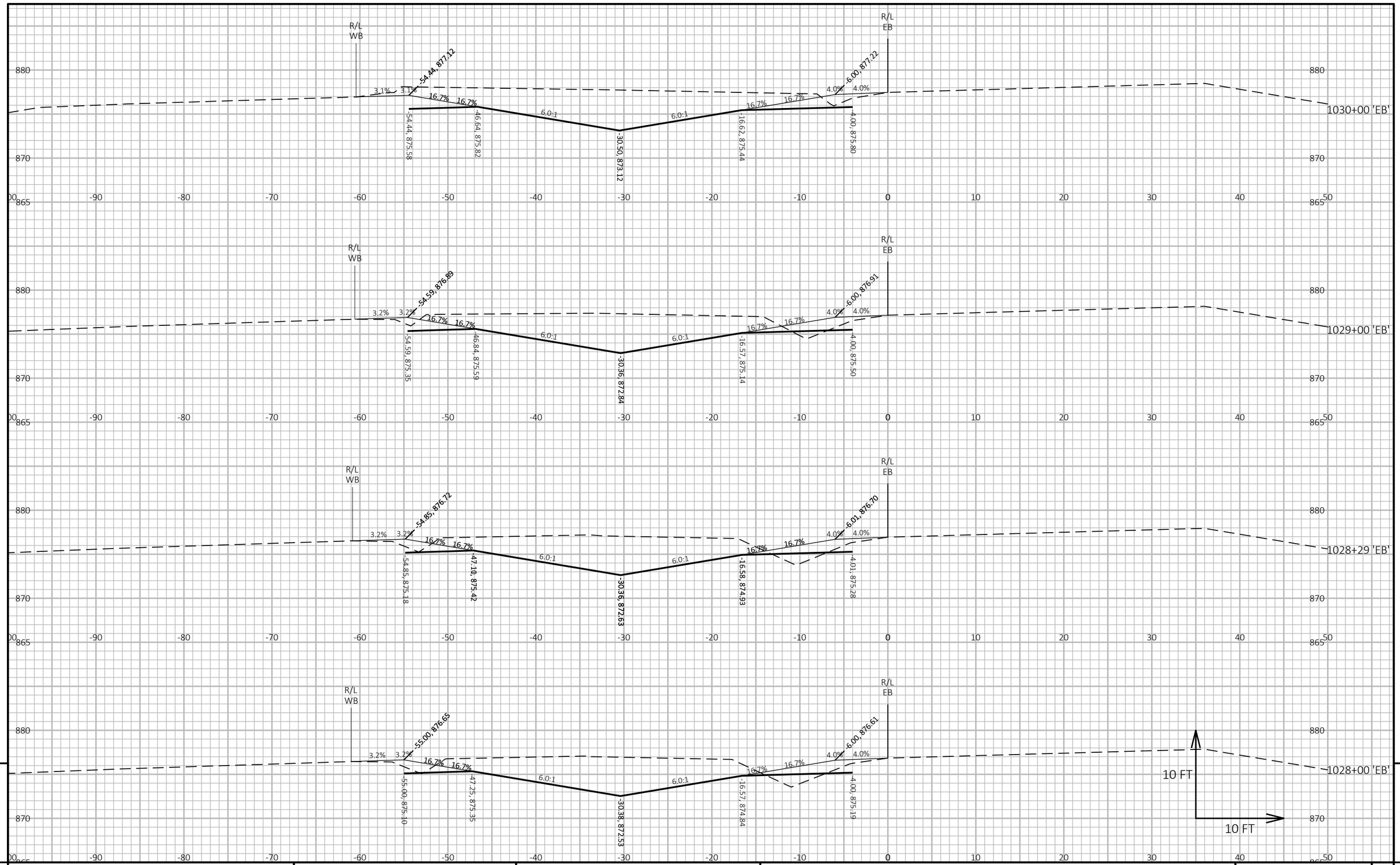


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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1274 E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090336-xs

PLOT DATE : 10/27/2021 11:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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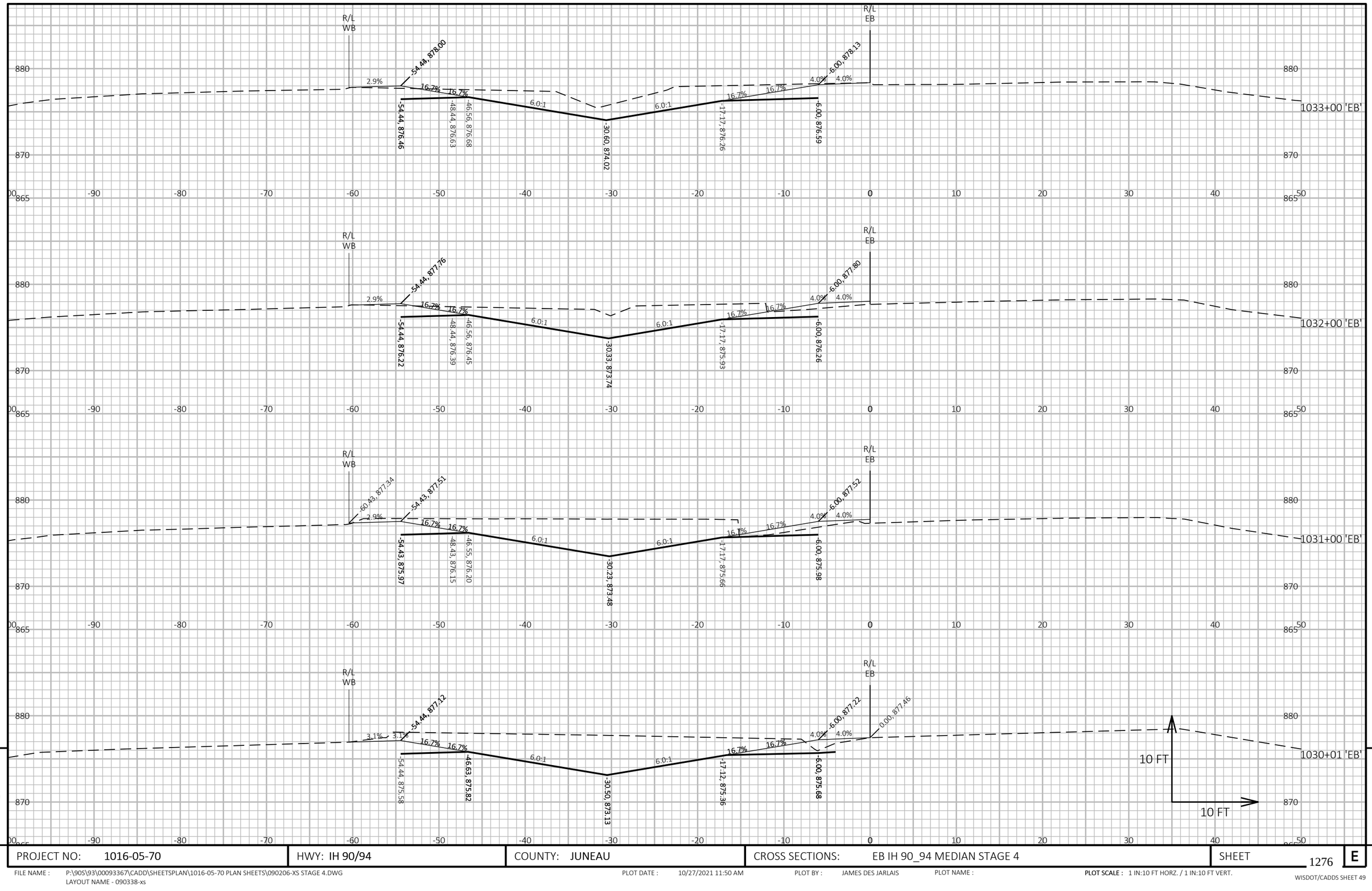
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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1275	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090337-xs

PLOT DATE : 10/27/2021 11:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1276	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090338-xs

PLOT DATE : 10/27/2021 11:50 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1016-05-70	HWY: IH 90/94	COUNTY: JUNEAU	CROSS SECTIONS: EB IH 90_94 MEDIAN STAGE 4	SHEET 1277	E

FILE NAME : P:\90S\93\00093367\CADD\SHEETSPLAN\1016-05-70 PLAN SHEETS\090206-XS STAGE 4.DWG
LAYOUT NAME - 090339-xs

PLOT DATE : 10/27/2021 11:50 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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