EAU

PROJECT ID: 1022-00-79

COUNTY: TREMPEALEAU COUNTY

APRIL 2022

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Plans)
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 = 934

29

N

DESIGN DESIGNATION

A.A.D.T.	(2019)	=	26,110
A.A.D.T.	(2039)	=	30,980
D.H.V.		=	2,300
D.D.		=	53/47
T		=	18.5
DESIGN SPEED		=	75 MPH
ESALS		=	37,000,000

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 (7.00 FT)
- 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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1022-00-79	———	—

EAU CLAIRE - OSSEO

CTH NN TO EAST COUNTY LINE

IH 94

TREMPEALEAU COUNTY

STATE PROJECT NUMBER
1022-00-79

BEGIN PROJECT
STA 49+04.56 EB
Y = 519,258.49
X = 883,898.21

BEGIN CONSTRUCTION
STA 40+75.00 WB

STRUCTURE B-61-156
STA 47+99 W - STA 50+17 W

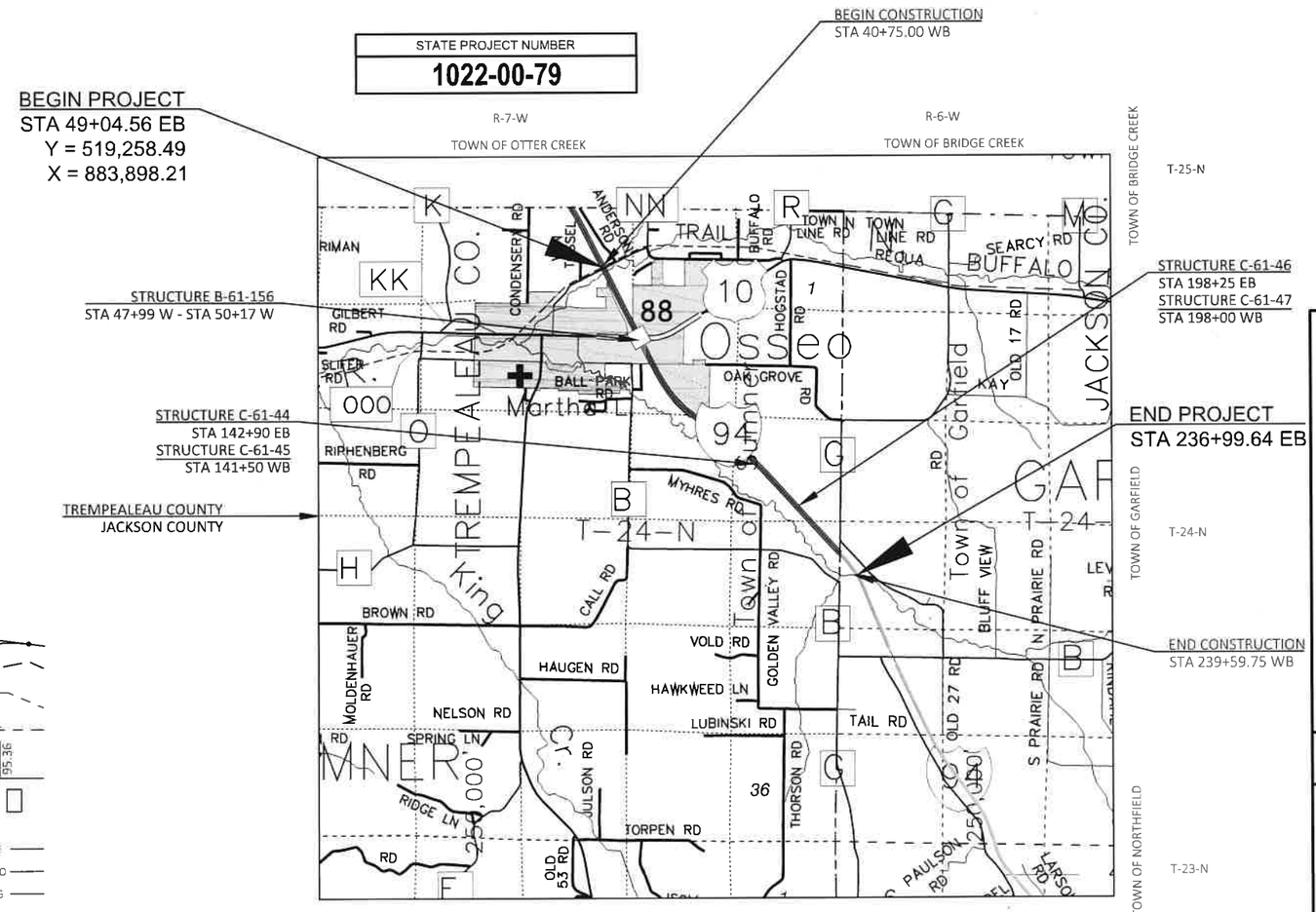
STRUCTURE C-61-44
STA 142+90 EB
STRUCTURE C-61-45
STA 141+50 WB

TREMPEALEAU COUNTY
JACKSON COUNTY

STRUCTURE C-61-46
STA 198+25 EB
STRUCTURE C-61-47
STA 198+00 WB

END PROJECT
STA 236+99.64 EB

END CONSTRUCTION
STA 239+59.75 WB



LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 3.560 MILES

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), TREMPEALEAU COUNTY, NAD 88 (2012) IN U.S. SURVEY FEET VERTICAL DATUM BASED ON USGS (NAVD 88)

ORIGINAL PLANS PREPARED BY

KL Engineering
A Better Experience

WISCONSIN
JON P. BLOMQUIST
34305-006
MENOMONIE, WI
PROFESSIONAL ENGINEER

(Date) 7-01-2021 (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KL ENGINEERING, INC. / WISDOT
Designer	KL ENGINEERING, INC.
Project Manager	JESSE LARSON
Regional Examiner	WISCOT NW REGION
Regional Supervisor	NICOLE PASSUELLO

APPROVED FOR THE DEPARTMENT

DATE: 9/30/21 Jesse Larson (Signature)

E

FILE NAME : G:\WDOTCC\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 4/20/2021 8:19 AM PLOT BY : KL ENGINEERING PLOT NAME :

ABBREVIATIONS

AEW	APRON ENDWALL
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
BLDG.	BUILDING
CTR	CENTER
C/L	CENTERLINE
C.E.	COMMERCIAL ENTRANCE
CONC.	CONCRETE
CSW	CONCRETE SIDEWALK
CMCP	CORRUGATED METAL CULVERT PIPE
CP	CULVERT PIPE
CPCP	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CPT	CONSTRUCTION PERMIT
DMS	DYNAMIC MESSAGE SIGN
EAT	ENERGY ABSORBING TERMINAL
EB	EASTBOUND
ELEC	ELECTRIC
IE	INVERT ELEVATION
EX. OR EXIST	EXISTING
FO	FIBER OPTION
F.E.	FIELD ENTRANCE
GAS	GAS
HMA	HOT MIX ASPHALT
HSE.	HOUSE
LHF	LEFT HAND FORWARD
MH	MANHOLE
MAX.	MAXIMUM
MIN.	MINIMUM
NOR.	NORMAL
NTS	NOT TO SCALE
PACS	PIPE ARCH CORRUGATED STEEL
PLE	PERMANENT LIMITED EASEMENT
P.E.	PRIVATE ENTRANCE
P.L.	PROPERTY LINE
PRW	PROPOSED RIGHT-OF-WAY
RAD OR R	RADIUS
R/L OR RL	REFERENCE LINE
REQ'D.	REQUIRED
RHF	RIGHT HAND FORWARD
RW	RIGHT-OF-WAY LINE
SAN	SANITARY SEWER
SHLD	SHOULDER
SW	SIDEWALK
SF	SQUARE FEET
SY	SQUARE YARD
S.D.D	STANDARD DETAIL DRAWING
STA	STATION
SS	STORM SEWER
TEL	TELEPHONE
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
WAT	WATER
WB	WESTBOUND

UTILITY CONTACTS

COMMUNICATION

AT&T LEGACY
BILL KOENIG
128 W. SUNSET AVE
APPLETON, WI 54911
(608) 628-0575
wekoenig@att.net

ELECTRICTY

DAIRYLAND POWER COOPERATIVE
ROB MALY
3200 EAST AVE SOUTH
P.O. BOX 817
LA CROSSE, WI 54602-0817
(608) 518-2633
ROB.MALY@DAIRYLANDPOWER.COM

GAS/PETROLEUM

WE ENERGIES
RYAN MIENTKE
1921 8TH STREET SOUTH
WISCONSIN RAPIDS, WI 54494
(715) 421-7249
CELL: (715) 421-9293

24 HOUR EMERGENCY: 1-800-261-5325
CC ALL CORRESPONDENCE TO:
NICOLE SMULLEN
(414) 221-5617
CELL: (414) 460-7190
NICOLE.SMULLEN@WECENERGYGROUP.COM

COMMUNICATION

CINC
DAREN BAUER
105 GARFIELD AVE
EAU CLAIRE, WI 54701
(715) 836-5286
BAUERDP@UWEC.EDU

COMMUNICATION

TRI-COUNTY COMMUNICATIONS COOPERATIVE
BUCK WEBB
417 5TH AVE N
P.O. BOX 578
STRUM, WI 54770
(715) 695-2691
BWEBB@TCCPRO.NET

ELECTRICITY

EAU CLAIRE ENERGY COOPERATIVE
BRIAN JENQUINE
8214 US 12
FALL CREEK, WI 54742
(715) 832-1603
CELL: (715) 836-6486
BJENQUINE@ECEC.COM

SANITARY SEWER & WATER

CITY OF OSSEO
JIM DEICH
13712 8TH STREET
P.O. BOX 308
OSSEO, WI 54758
(715) 597-2207
OSSEOPUBLICWORKS@TRIWEST.NET

COMMUNICATION

CENTURYLINK
DONNA SMOTHERS
835 RED IRON RD
BLACK RIVER FALLS, WI 54615
(715) 284-4375
CELL: (715) 797-4854
DONNA.SMOTHERS@LUMEN.COM

COMMUNICATION

WINDSTREAM, INC.
DENNIS RUESS
1853 WRIGHT STREET
MADISON, WI 53703
(608) 512-5587
DENNIS.RUESS@WINDSTREAM.COM

ELECTRICITY

XCEL ELECTRICAL DISTRIBUTION
JOHN KELSER
P.O. BOX 8
EAU CLAIRE, WI 54701
(715) 737-1431
CELL: (715) 491-7518
JOHN.KELSER@XCELENERGY.COM

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

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT THE UTILITIES AND DIGGERS HOTLINE TO LOCATE AND FIELD VERIFY UTILITIES PRIOR TO THE START OF WORK. 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. ANY LOCAL, MUNICIPAL OR OTHER UTILITY THAT IS NOT A MEMBER OF DIGGERS HOTLINE SHALL BE CONTACTED SEPARATELY.

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

RIGHT OF WAY LINES SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE.

PROTECT INLETS WITH PROPER INLET PROTECTION AT LOCATIONS EXHIBITING RISK OF BEING IMPACTED BY CONSTRUCTION OPERATIONS AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTORS EXPENSE.

PLACE SALVAGED TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING AS BEEN COMPLETED. SEED, MULCH AND FERTILIZE ALL AREAS 5 DAYS AFTER PLACEMENT OF SALVAGED TOPSOIL.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OR ANY WATERWAY.

CURB AND GUTTER GRADES AND LAYOUT DATA ARE GIVEN TO THE FLANGE OF THE CURB.

SAWCUT ASPHALTIC AND CONCRETE DRIVEWAYS AND/OR PARKING LOTS AT THE MATCHLINE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.

EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER.

ALL MANHOLE AND INLET OFFSETS ARE GIVEN TO THE CENTER OF THE STRUCTURE.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS. THIS ALSO INCLUDES VERIFICATION OF INVERT ELEVATIONS AT ALL PROPOSED STORM SEWER CONNECTION POINTS TO THE EXISTING SYSTEMS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM "TRAFFIC CONTROL COVERING SIGNS TYPE II".

BENCHMARK LOCATIONS SHOWN ON THE PLAN ARE APPROXIMATED AND SHOULD BE VERIFIED.

5 FOOT WIDE SIDEWALK REQUIRES TRANSVERSE JOINTS SPACED AT 5 FEET, 6 FOOT WIDE SIDEWALK REQUIRES TRANSVERSE JOINTS SPACED AT 6 FEET, AND 8 FOOT WIDE SIDEWALK REQUIRES TRANSVERSE JOINTS SPACED AT 8 FEET.

SIDEWALK AND CURB & GUTTER REPLACEMENT SHOULD BE THE NEAREST JOINT. LIMITS ARE APPROXIMATE AND ARE TO BE VERIFIED IN THE FIELD BY THE ENGINEER. MATCH EXISTING SIDEWALK WIDTH.

FOR ALL CURB RAMPS, REFER TO THE STANDARD DETAIL DRAWINGS FOR THE RAMP TAPER DIMENSIONS. SIDEWALK WIDTHS ARE DIMENSIONED IN THE PLAN.

HMA PAVEMENT

LOCATION	TOTAL DEPTH	LAYERS	GRADATION	TRAFFIC	BINDER	DESIGNATION
IH 94	4-INCH	2" UPPER	4	MT	54-34	S
		2" LOWER	4	MT	54-34	S
IH 94	6-INCH	2" UPPER	4	MT	54-34	S
		2" MIDDLE	4	MT	54-34	S
		2" LOWER	4	MT	54-34	S

ORDER OF DETAIL SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL PLAN
STORM SEWER PLAN
PAVEMENT MARKING AND PERMANENT SIGNING PLAN
TRAFFIC SIGNAL PLAN
TRAFFIC CONTROL PLAN
ALIGNMENT DIAGRAM AND CONTROL POINT DETAILS

WISDOT

JESSE LARSON, P.E.
WISDOT NORTHWEST REGION
718 W. CLAIREMONT AVE
EAU CLAIRE, WI 54701
(715) 830-8101
JESSE.LARSON@DOT.WI.GOV

DESIGN CONTACT

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JBLOMQUIST@KLENGINEERING.COM

DNR AREA LIAISON

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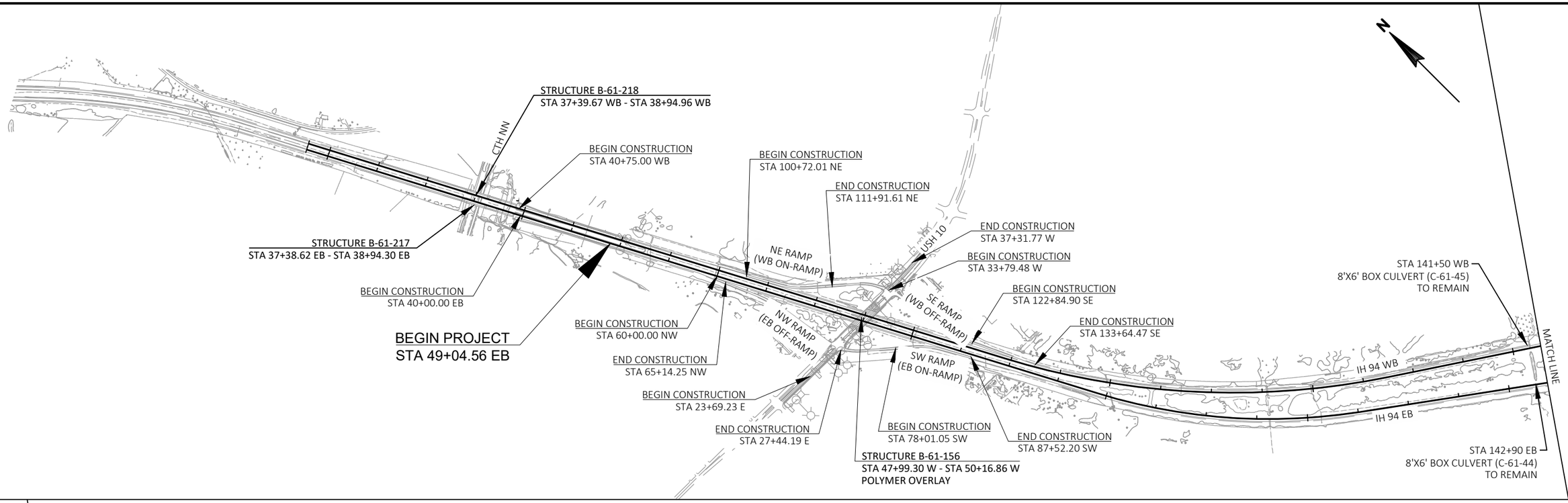
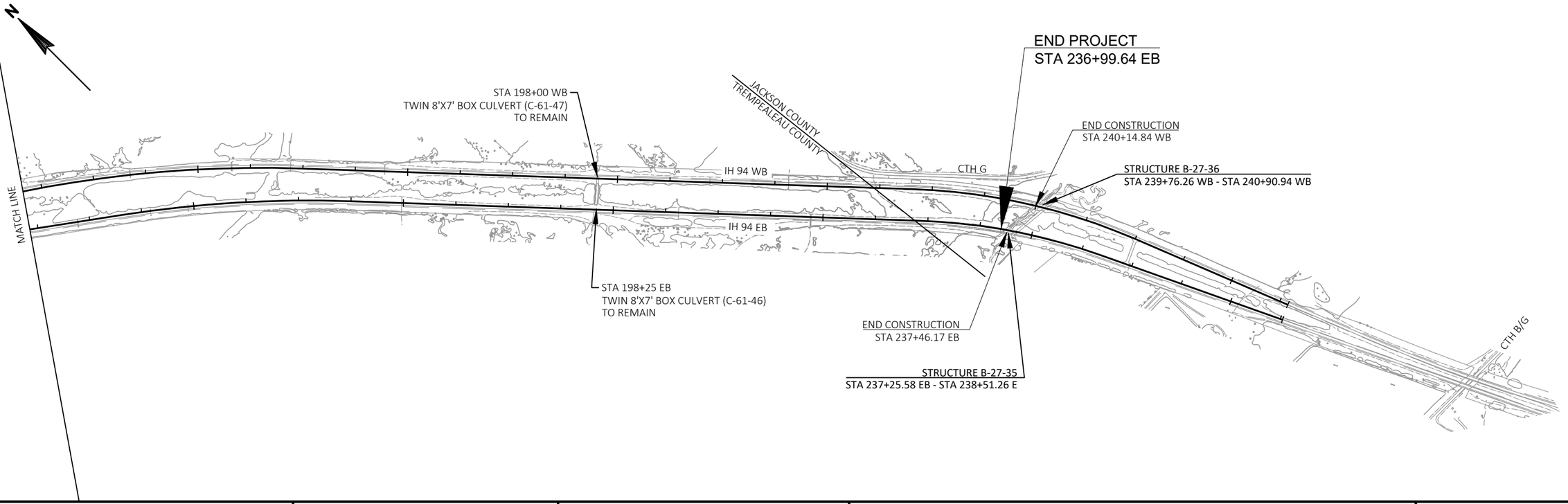
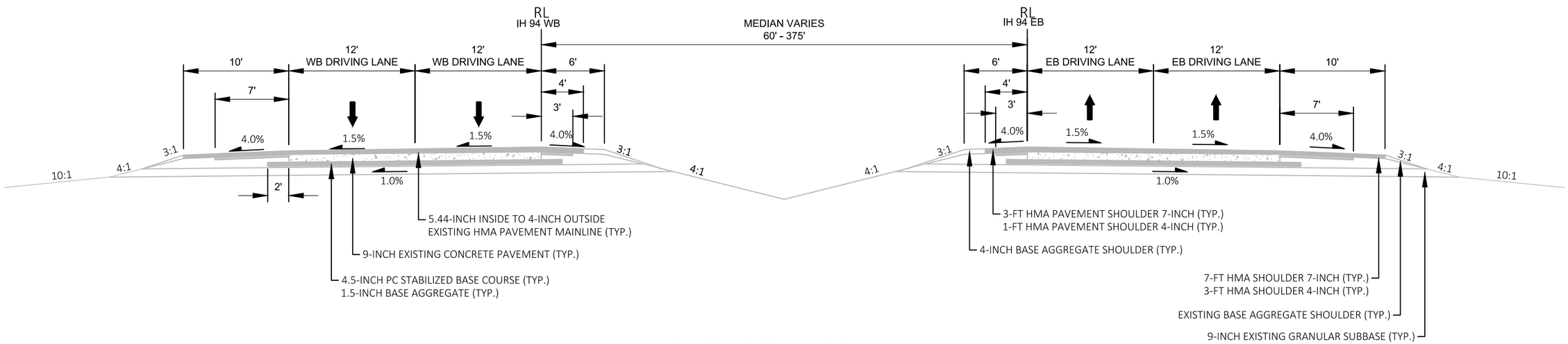
DEPARTMENT OF NATURAL RESOURCES
1300 W. CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
(715) 836-6571
AMYLLESIK@WISCONSIN.GOV

2

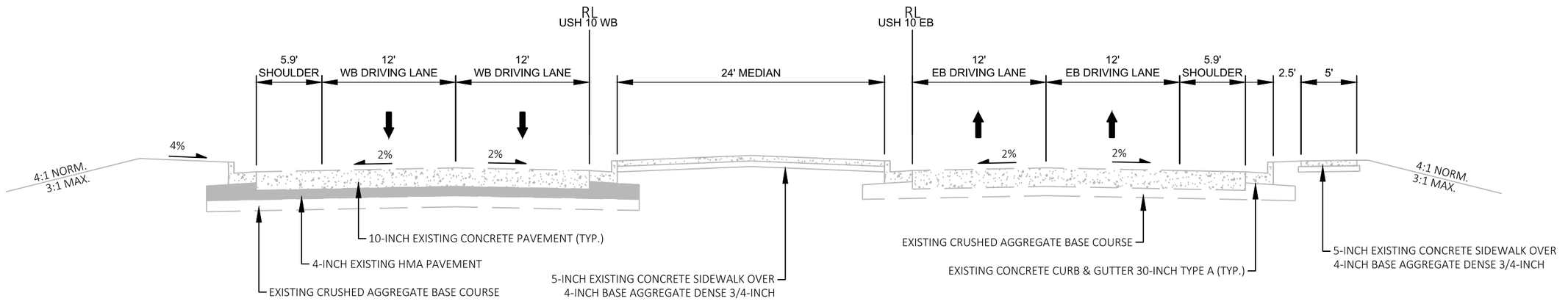




PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PROJECT OVERVIEW	SHEET 3	E



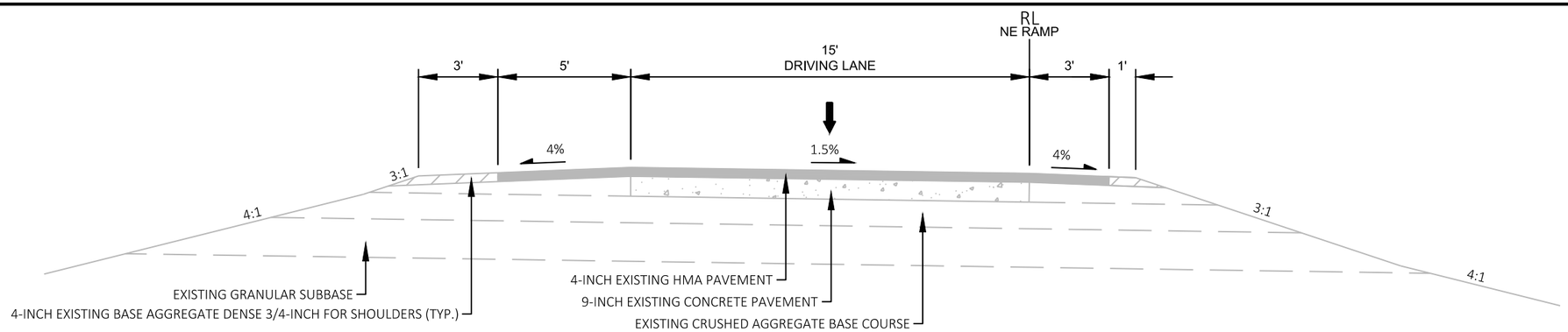
EXISTING TYPICAL SECTION - IH 94
STA 40+00 EB - STA 237+46 EB
STA 40+75 WB - STA 240+15 WB



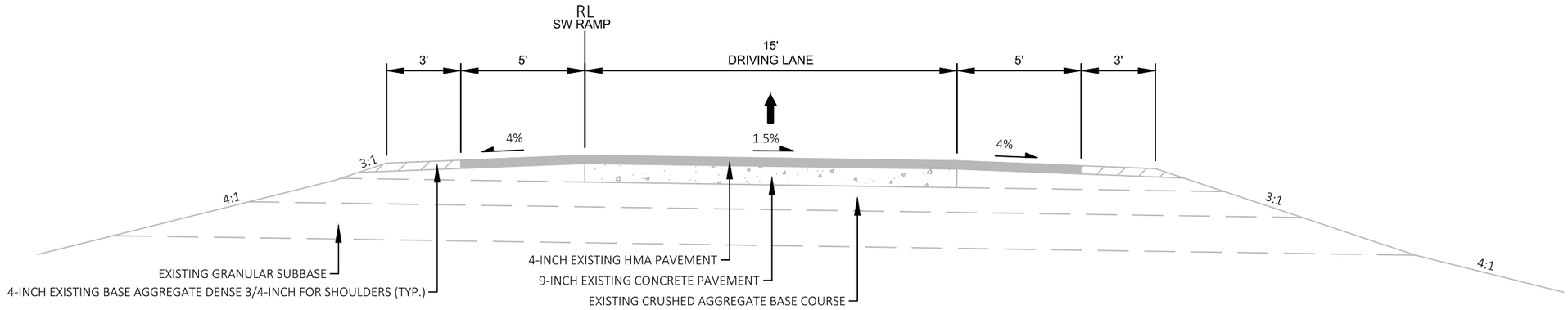
EXISTING TYPICAL SECTION - USH 10
STA 23+69 E - STA 27+44 E
STA 33+79 W - STA 37+32 W

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EXISTING TYPICAL SECTIONS	SHEET 4	E

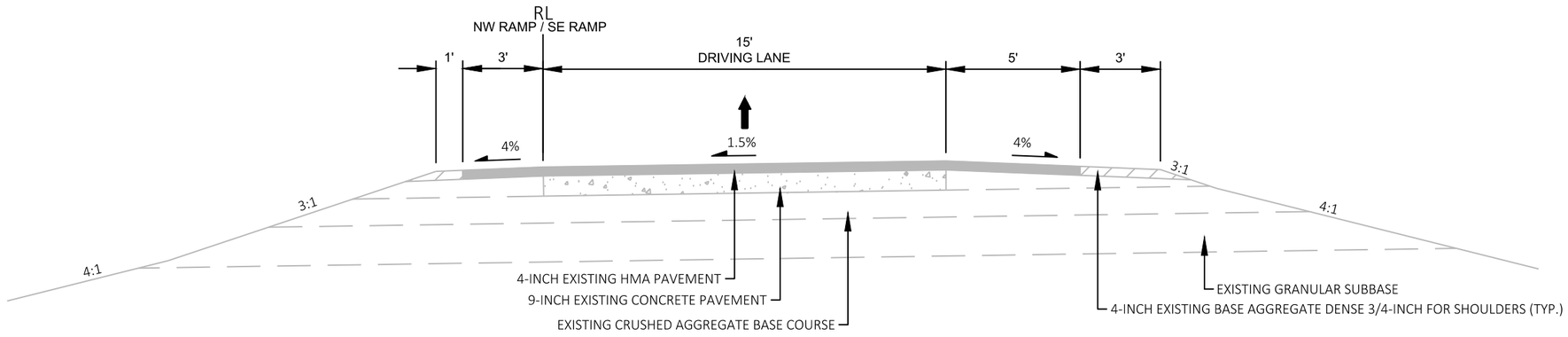
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TYPICAL SECTIONS\020301-TS EXIST.DWG
LAYOUT NAME - EXIST TYP. (1)
PLOT DATE : 10/31/2018 9:25 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : #########
WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION - NE RAMP (WB ON-RAMP)
STA 100+72 NE - STA 111+92 NE



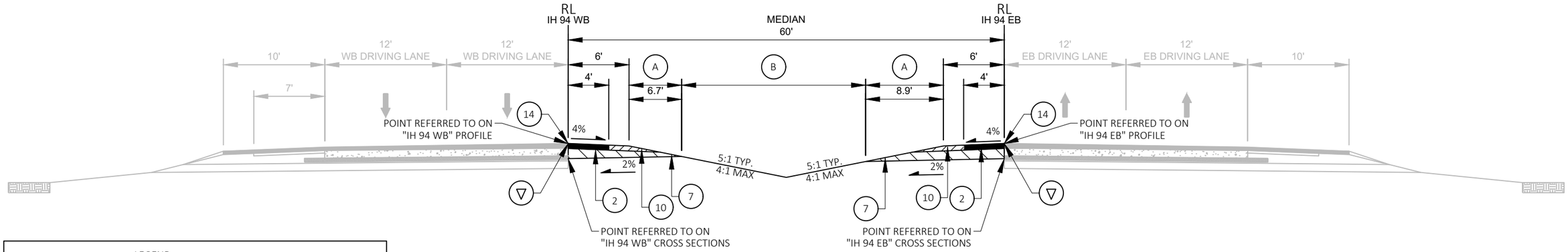
EXISTING TYPICAL SECTION - SW RAMP (EB ON-RAMP)
STA 78+01 SW - STA 87+52 SW



EXISTING TYPICAL SECTION - NW RAMP (EB OFF-RAMP) & SE RAMP (WB OFF-RAMP)
STA 60+00 NW - STA 65+14 NW
STA 122+85 SE - STA 133+64 SE

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EXISTING TYPICAL SECTIONS	SHEET 5	E

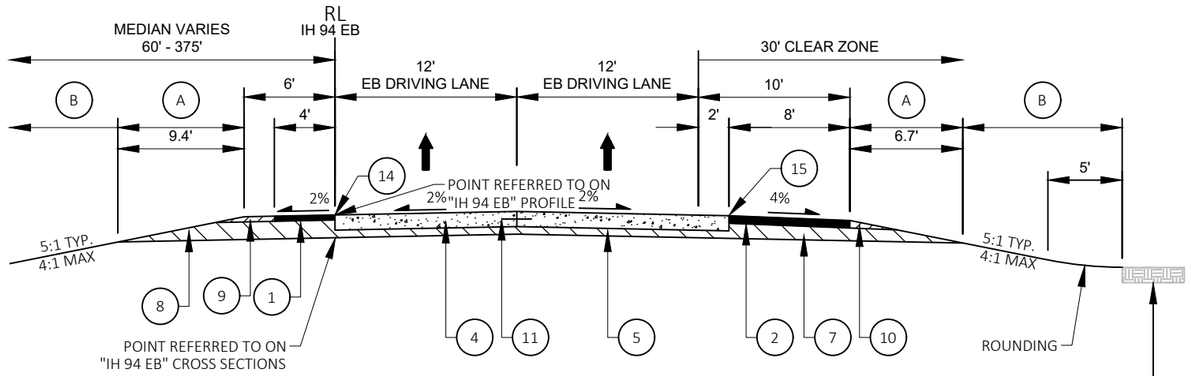
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TYPICAL SECTIONS\020301-TS EXIST.DWG
LAYOUT NAME - EXIST TYP. (2)
PLOT DATE : 10/31/2018 9:25 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : #########
WISDOT/CADDS SHEET 42



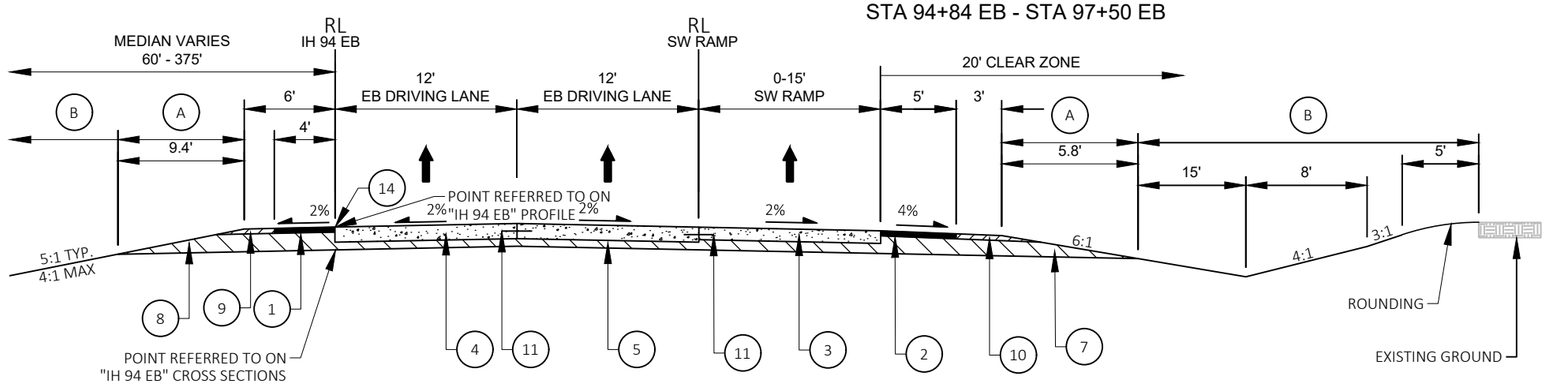
PARTIAL PROPOSED TYPICAL SECTION - IH 94
STA 40+00 EB - STA 49+05 EB
STA 40+75 WB - STA 49+36 WB

LEGEND

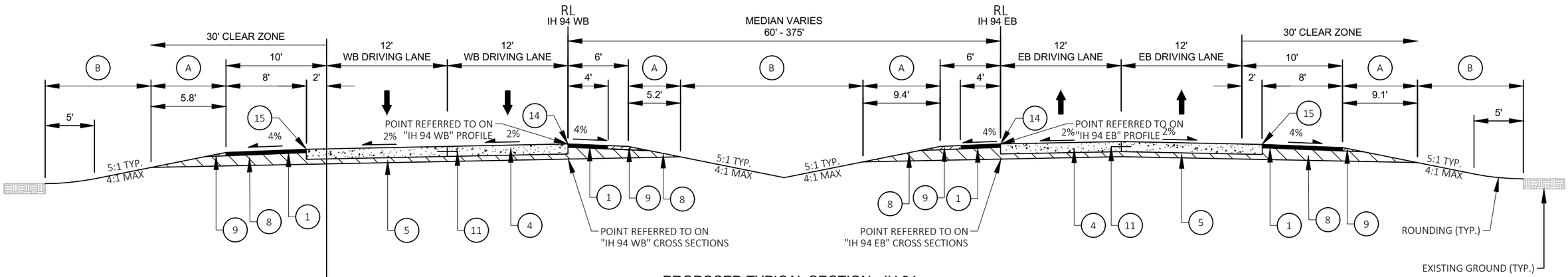
1	HMA PAVEMENT, 4-INCH UPPER: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
2	HMA PAVEMENT, 6-INCH UPPER: 4 MT 58-34 S, 2-INCH MIDDLE: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
3	CONCRETE PAVEMENT 10-INCH (DOWELED & TINED)
4	CONCRETE PAVEMENT 12-INCH SPECIAL (DOWELED & TINED)
5	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
7	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH
8	BASE AGGREGATE DENSE 1 1/4-INCH, 14-INCH
9	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
10	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
11	TIE BARS
14	ASPHALTIC SHOULDER RUMBLE STRIPS
15	CONCRETE SHOULDER RUMBLE STRIPS
A	SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B
B	EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
▽	SAWING ASPHALT



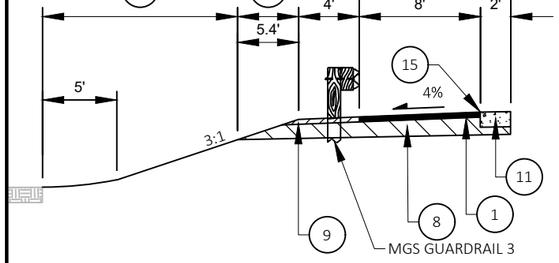
PARTIAL PROPOSED TYPICAL SECTION - IH 94
STA 49+05 EB - STA 85+24 EB
STA 94+84 EB - STA 97+50 EB



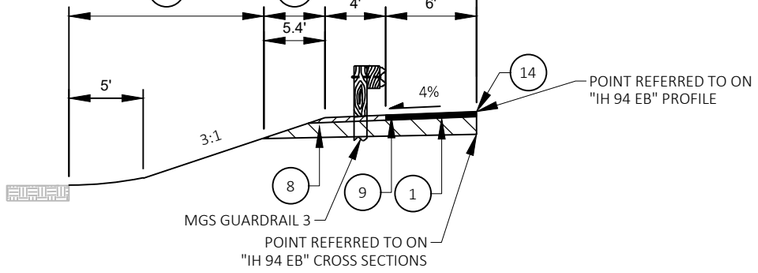
PARTIAL PROPOSED TYPICAL SECTION - IH 94
STA 85+24 EB - STA 94+84 EB



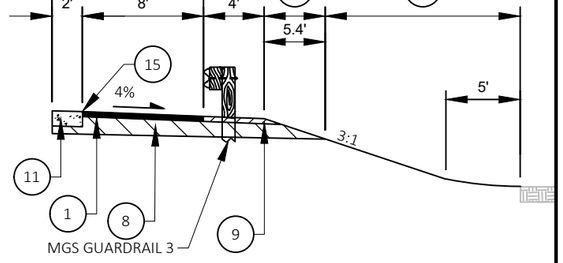
PROPOSED TYPICAL SECTION - IH 94
STA 97+50 EB - STA 237+00 EB
STA 49+36 WB - STA 89+75 WB



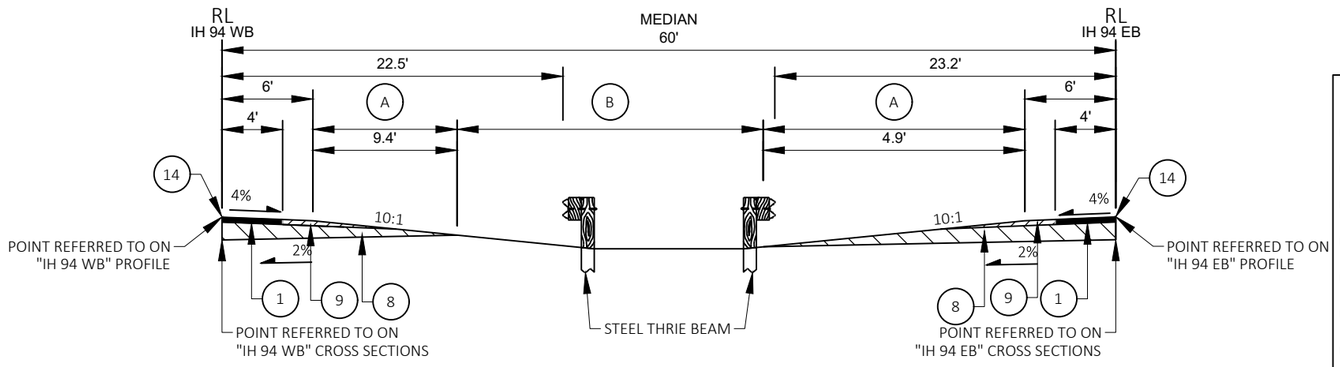
PARTIAL PROPOSED TYPICAL SECTION - IH 94
STA 97+85 WB - STA 105+73 WB
STA 115+37 WB - STA 118+00 WB
STA 236+15 WB - STA 240+12 WB



PARTIAL PROPOSED TYPICAL SECTION - IH 94
STA 234+06 EB - STA 237+43 EB



PARTIAL PROPOSED TYPICAL SECTION - IH 94
STA 234+76 EB - STA 237+12 EB



PARTIAL PROPOSED TYPICAL SECTION - IH 94
STA 73+77 EB - STA 76+34 EB

LEGEND

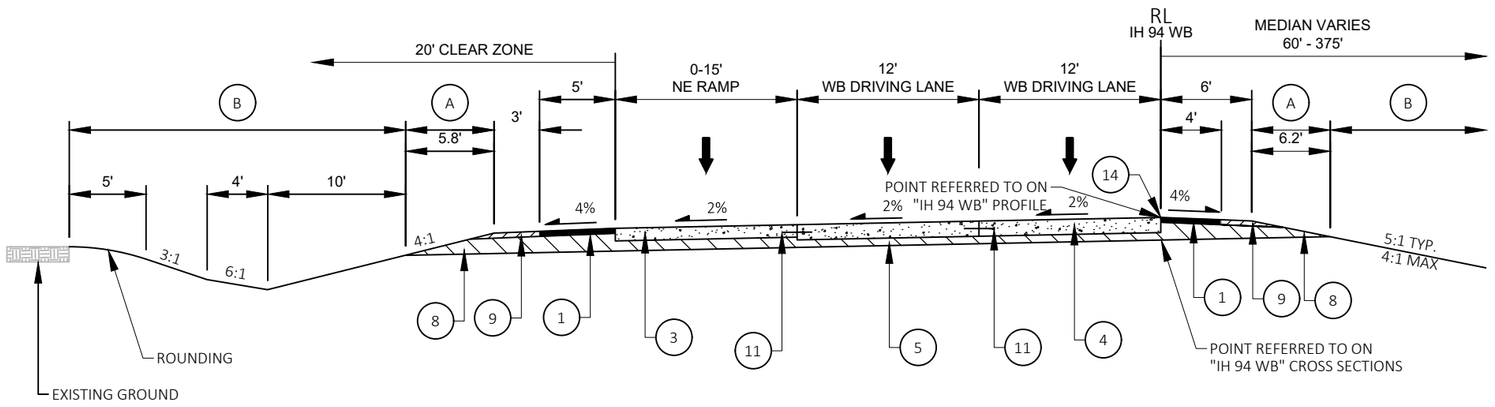
1	HMA PAVEMENT, 4-INCH UPPER: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
2	HMA PAVEMENT, 6-INCH UPPER: 4 MT 58-34 S, 2-INCH MIDDLE: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
4	CONCRETE PAVEMENT 12-INCH SPECIAL (DOWELED & TINED)
5	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
7	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH
8	BASE AGGREGATE DENSE 1 1/4-INCH, 14-INCH

LEGEND

9	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
10	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
11	TIE BARS
14	ASPHALTIC SHOULDER RUMBLE STRIPS
15	CONCRETE SHOULDER RUMBLE STRIPS
A	SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B
B	EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
▽	SAWING ASPHALT

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PROPOSED TYPICAL SECTIONS	SHEET 7	E

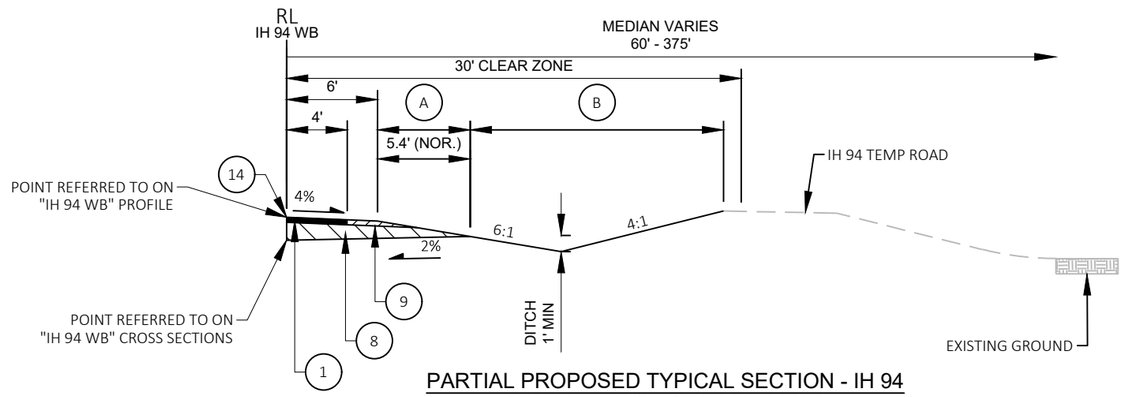
2



PARTIAL PROPOSED TYPICAL SECTION - IH 94
STA 54+58 WB - STA 62+68 WB

LEGEND

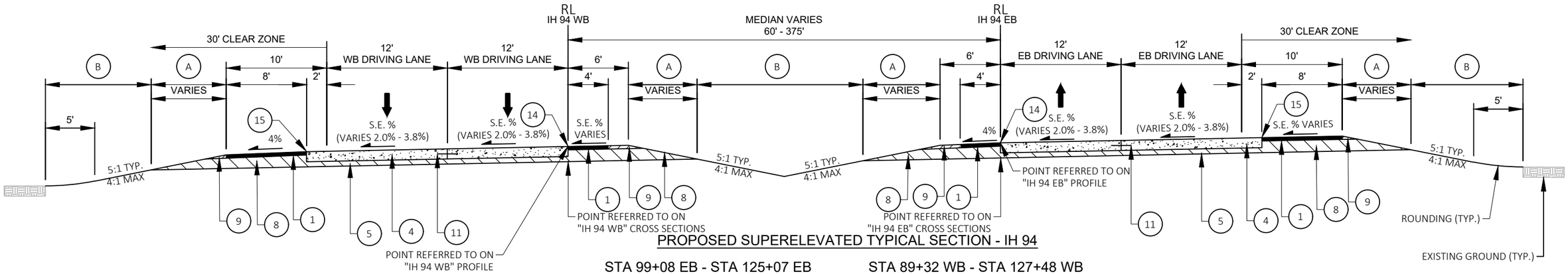
1	HMA PAVEMENT, 4-INCH UPPER: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
2	HMA PAVEMENT, 6-INCH UPPER: 4 MT 58-34 S, 2-INCH MIDDLE: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
3	CONCRETE PAVEMENT 10-INCH (DOWELED & TINED)
4	CONCRETE PAVEMENT 12-INCH SPECIAL (DOWELED & TINED)
5	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
7	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH



PARTIAL PROPOSED TYPICAL SECTION - IH 94
STA 89+75 WB - STA 239+60 WB

LEGEND, CONT.

8	BASE AGGREGATE DENSE 1 1/4-INCH, 14-INCH
9	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
10	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
11	TIE BARS
14	ASPHALTIC SHOULDER RUMBLE STRIPS
15	CONCRETE SHOULDER RUMBLE STRIPS
A	SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B
B	EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
▽	SAWING ASPHALT



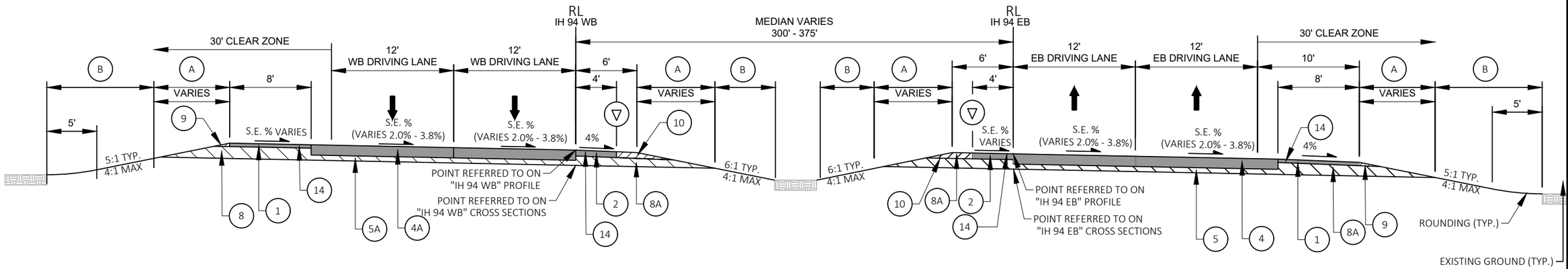
PROPOSED SUPERELEVATED TYPICAL SECTION - IH 94

STA 99+08 EB - STA 125+07 EB
STA 153+17 EB - STA 174+90 EB
STA 229+25 EB - STA 232+00 EB

STA 89+32 WB - STA 127+48 WB
STA 142+84 WB - STA 169+84 WB
STA 228+21 WB - STA 230+50 WB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PROPOSED TYPICAL SECTIONS	SHEET 8	E

2



PROPOSED SUPERELEVATED TYPICAL SECTION - IH 94

STA 230+50 WB - STA 239+59 WB STA 232+00 EB - STA 237+00 EB

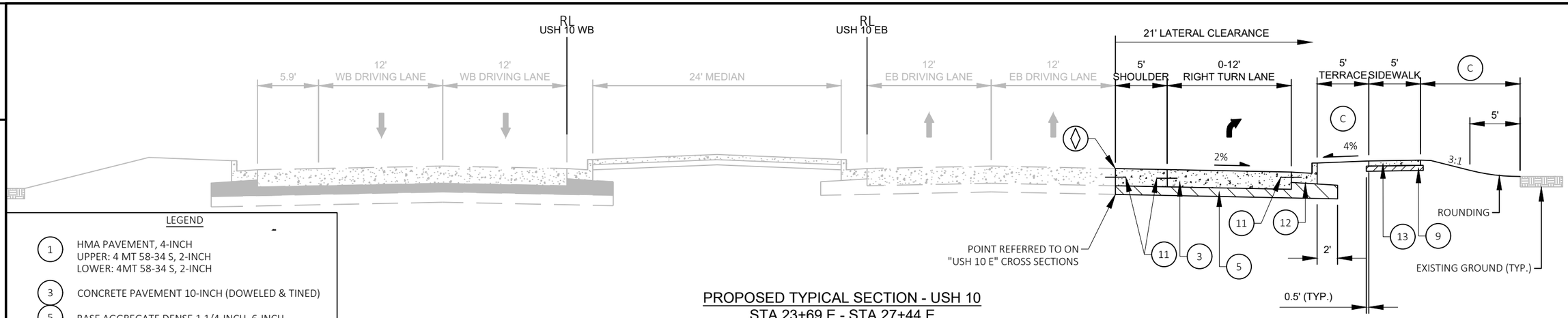
LEGEND

- (1) HMA PAVEMENT, 4-INCH
  UPPER: 4 MT 58-34 S, 2-INCH
  LOWER: 4 MT 58-34 S, 2-INCH
- (2) HMA PAVEMENT, 6-INCH
  UPPER: 4 MT 58-34 S, 2-INCH
  MIDDLE: 4 MT 58-34 S, 2-INCH
  LOWER: 4 MT 58-34 S, 2-INCH
- (4A) HMA PAVEMENT, 12-INCH - ALL LAYERS 4 HT 58-34 V
  UPPER: 2.0-INCH
  LOWER TOP: 2.0-INCH
  MIDDLE: 2.5-INCH
  LOWER MIDDLE: 2.75-INCH
  LOWER BOTTOM: 2.75-INCH

LEGEND, CONT.

- (8A) BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
- (9) BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
- (10) BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
- (14) ASPHALTIC SHOULDER RUMBLE STRIPS
- (A) SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B
- (B) EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- (▽) SAWING ASPHALT

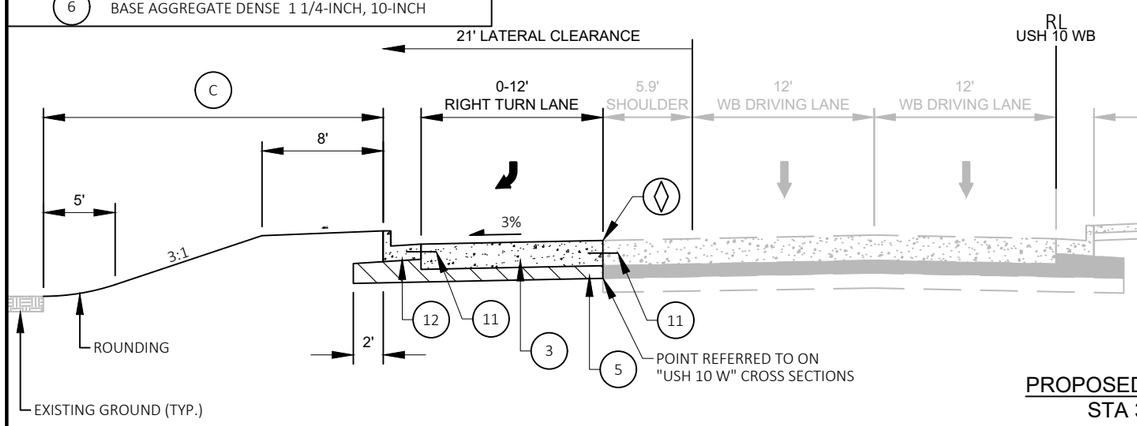
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PROPOSED TYPICAL SECTIONS	SHEET 9	E



LEGEND

1. HMA PAVEMENT, 4-INCH
   UPPER: 4 MT 58-34 S, 2-INCH
   LOWER: 4MT 58-34 S, 2-INCH
3. CONCRETE PAVEMENT 10-INCH (DOWELED & TINED)
5. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
6. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH

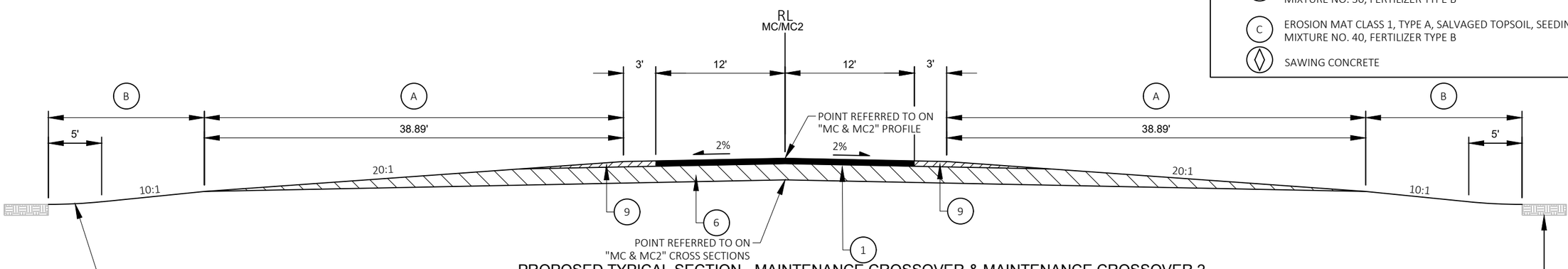
PROPOSED TYPICAL SECTION - USH 10
STA 23+69 E - STA 27+44 E



PROPOSED TYPICAL SECTION - USH 10
STA 33+79 W - STA 37+32 W

LEGEND, CONTINUED.

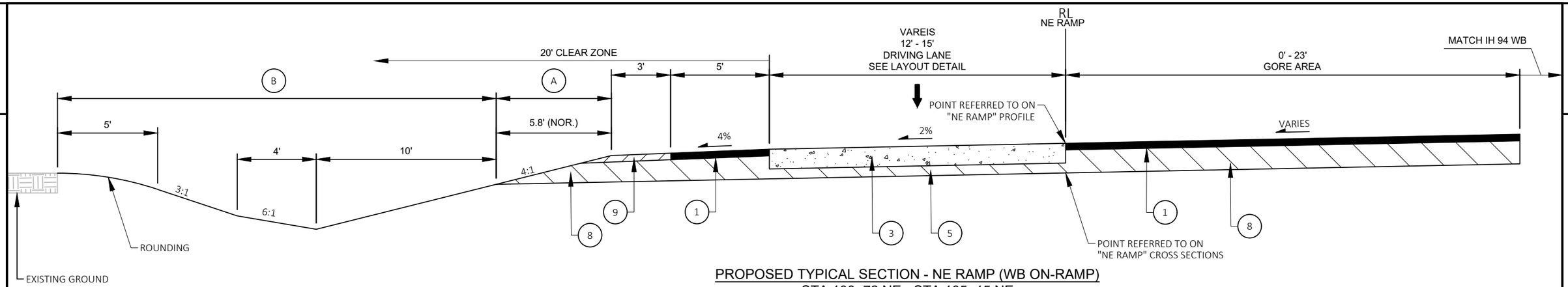
9. BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
11. TIE BARS
12. CONCRETE CURB & GUTTER 30-INCH TYPE A
13. CONCRETE SIDEWALK 5-INCH
A. SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B
B. EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
C. EROSION MAT CLASS 1, TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
◇ SAWING CONCRETE



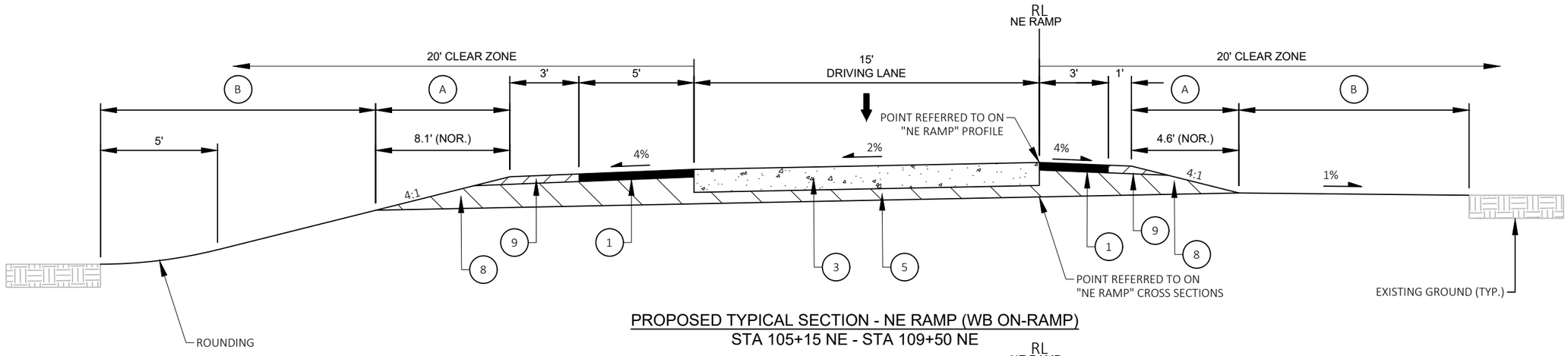
PROPOSED TYPICAL SECTION - MAINTENANCE CROSSOVER & MAINTENANCE CROSSOVER 2
STA 30+00 MC - STA 32+95 MC
STA 10+00 MC2 - STA 11+82 MC2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PROPOSED TYPICAL SECTIONS	SHEET 10	E

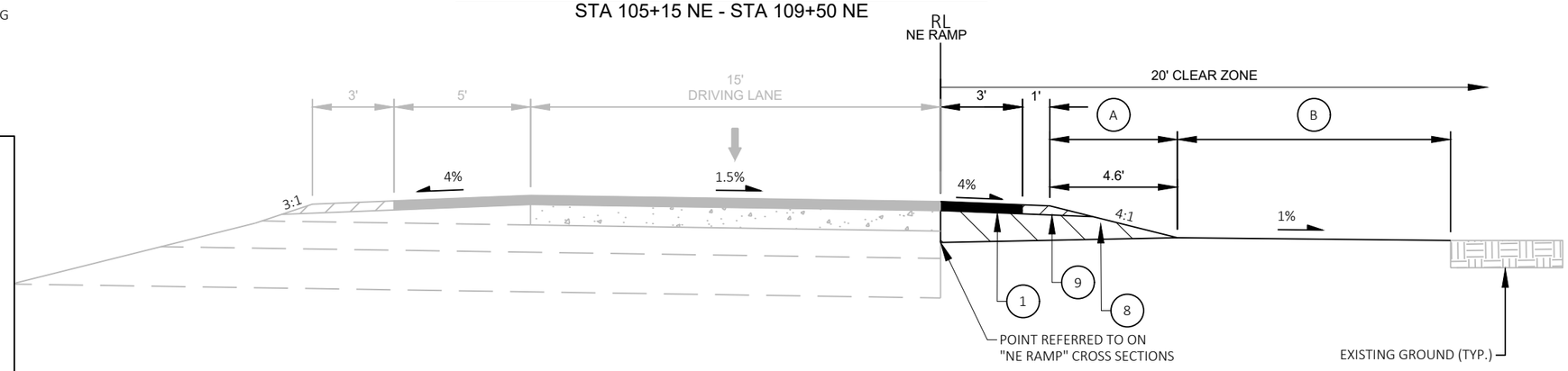
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TYPICAL SECTIONS\020301-TS PROP.DWG
LAYOUT NAME - PROPOSED TYP. (4)
PLOT DATE : 4/28/2021 5:01 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



PROPOSED TYPICAL SECTION - NE RAMP (WB ON-RAMP)
STA 100+72 NE - STA 105+15 NE



PROPOSED TYPICAL SECTION - NE RAMP (WB ON-RAMP)
STA 105+15 NE - STA 109+50 NE



LEGEND

1	HMA PAVEMENT, 4-INCH UPPER: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
3	CONCRETE PAVEMENT 10-INCH (DOWELED & TINED)
5	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
8	BASE AGGREGATE DENSE 1 1/4-INCH, 14-INCH
9	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
A	SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B
B	EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B

PARTIAL PROPOSED TYPICAL SECTION - NE RAMP (WB ON-RAMP)
STA 109+50 NE - STA 111+92 NE

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PROPOSED TYPICAL SECTIONS	SHEET 11	E

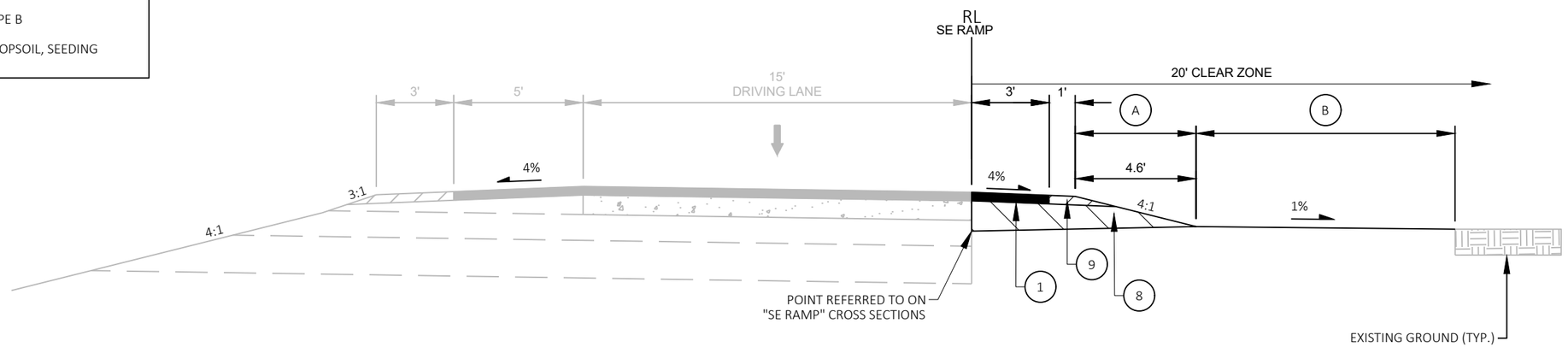
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TYPICAL SECTIONS\020301-TS PROP.DWG
LAYOUT NAME - PROPOSED TYP. (5)
PLOT DATE : 4/28/2021 5:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

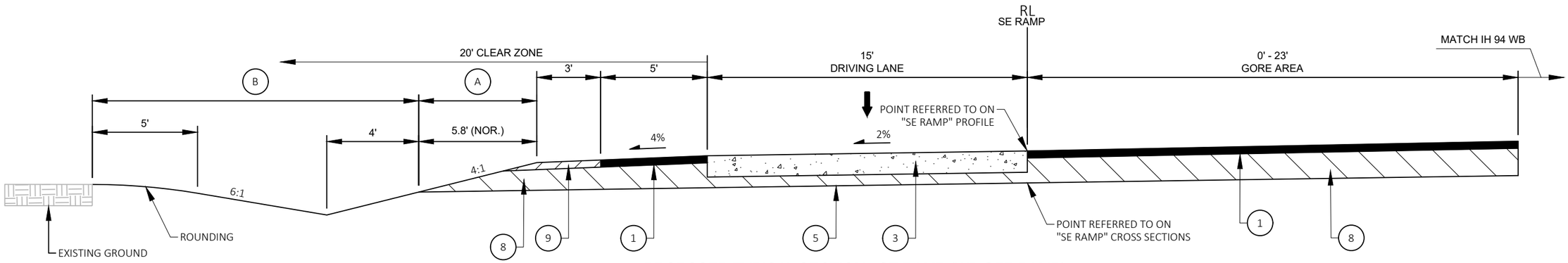
2

LEGEND

1	HMA PAVEMENT, 4-INCH UPPER: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
3	CONCRETE PAVEMENT 10-INCH (DOWELED & TINED)
5	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
8	BASE AGGREGATE DENSE 1 1/4-INCH, 14-INCH
9	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
A	SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B
B	EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B



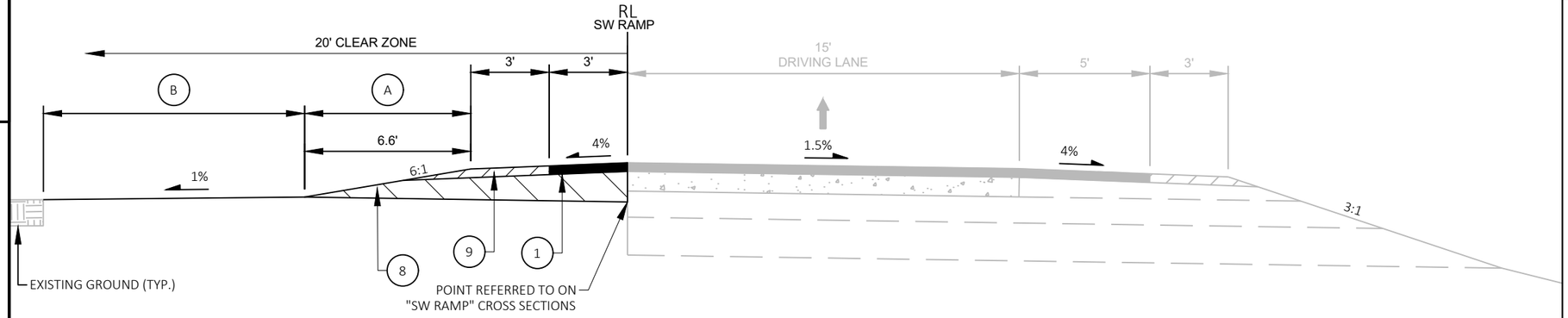
PARTIAL PROPOSED TYPICAL SECTION - SE RAMP (WB OFF-RAMP)
STA 122+85 SE - STA 124+32 SE



PROPOSED TYPICAL SECTION - SE RAMP (WB OFF-RAMP)
STA 129+26 SE - STA 133+65 SE

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PROPOSED TYPICAL SECTIONS	SHEET 12	E

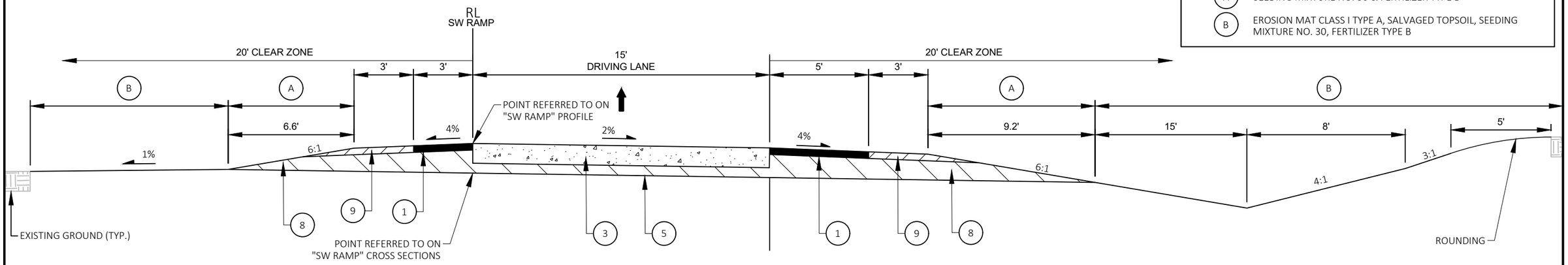
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TYPICAL SECTIONS\020301-TS PROP.DWG
LAYOUT NAME - PROPOSED TYP. (6)
PLOT DATE : 4/28/2021 5:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



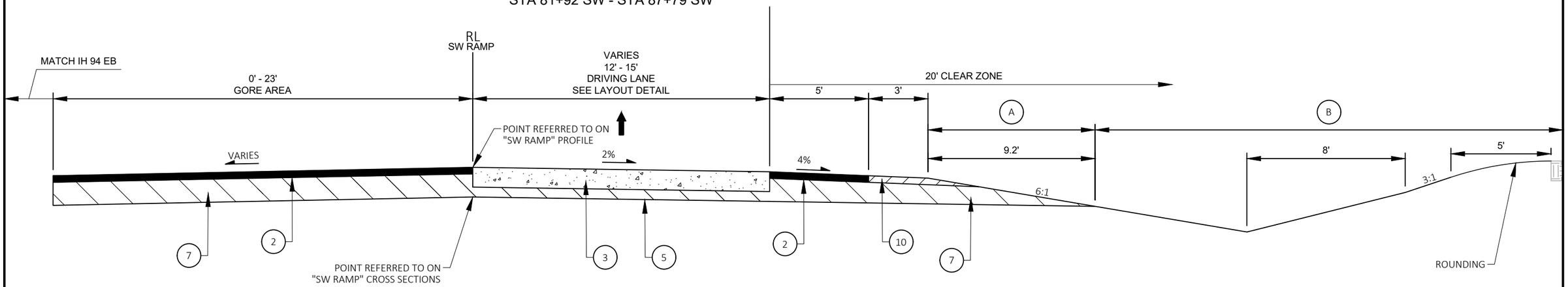
PARTIAL PROPOSED TYPICAL SECTION - SW RAMP (EB ON-RAMP)
STA 78+01 SW - STA 79+69 SW

LEGEND

1	HMA PAVEMENT, 4-INCH UPPER: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
2	HMA PAVEMENT, 6-INCH UPPER: 4 MT 58-34 S, 2-INCH MIDDLE: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
3	CONCRETE PAVEMENT 10-INCH (DOWELED & TINED)
5	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
7	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH
8	BASE AGGREGATE DENSE 1 1/4-INCH, 14-INCH
9	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
10	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
A	SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B
B	EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B



PROPOSED TYPICAL SECTION - SW RAMP (EB ON-RAMP)
STA 81+92 SW - STA 87+79 SW

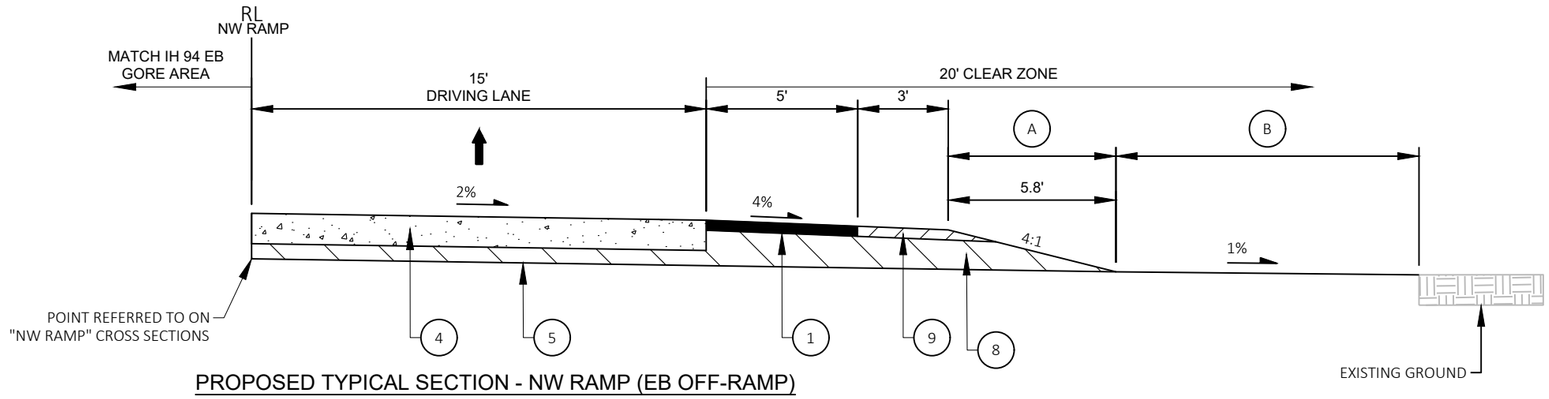


PARTIAL PROPOSED TYPICAL SECTION - SW RAMP (EB ON-RAMP)
STA 85+74 SW - STA 87+79 SW

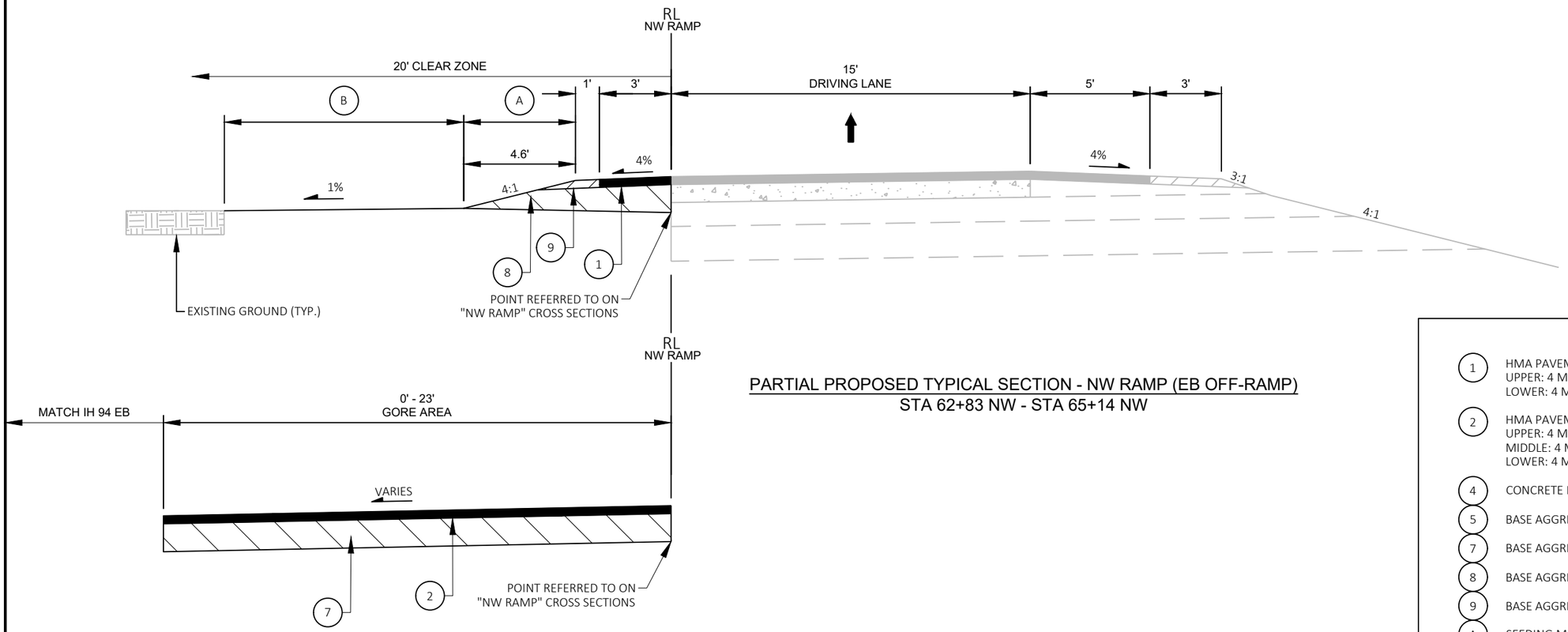
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PROPOSED TYPICAL SECTIONS	SHEET 13	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TYPICAL SECTIONS\020301-TS PROP.DWG
LAYOUT NAME - PROPOSED TYP. (7)
PLOT DATE : 4/28/2021 5:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



PROPOSED TYPICAL SECTION - NW RAMP (EB OFF-RAMP)
STA 60+00 NW - STA 60+69 NW



PARTIAL PROPOSED TYPICAL SECTION - NW RAMP (EB OFF-RAMP)
STA 60+69 NW - STA 62+83 NW

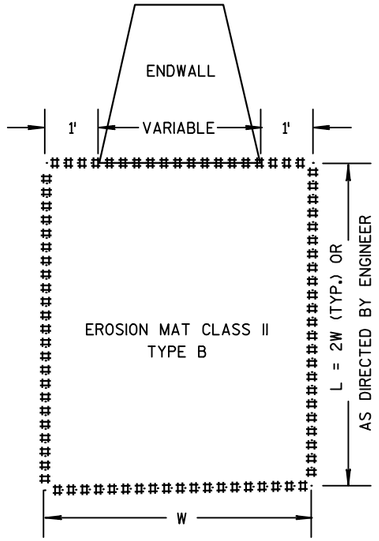
PARTIAL PROPOSED TYPICAL SECTION - NW RAMP (EB OFF-RAMP)
STA 62+83 NW - STA 65+14 NW

LEGEND

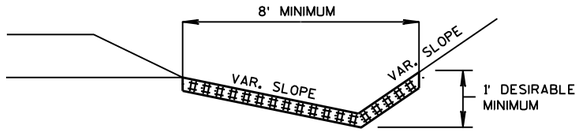
1	HMA PAVEMENT, 4-INCH UPPER: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
2	HMA PAVEMENT, 6-INCH UPPER: 4 MT 58-34 S, 2-INCH MIDDLE: 4 MT 58-34 S, 2-INCH LOWER: 4 MT 58-34 S, 2-INCH
4	CONCRETE PAVEMENT 12-INCH (DOWELED & TINED)
5	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
7	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH
8	BASE AGGREGATE DENSE 1 1/4-INCH, 14-INCH
9	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
A	SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B
B	EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PROPOSED TYPICAL SECTIONS	SHEET 14	E

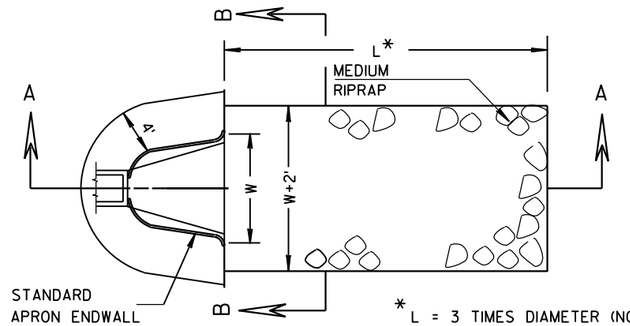
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TYPICAL SECTIONS\020301-TS PROP.DWG
LAYOUT NAME - PROPOSED TYP. (8)
PLOT DATE : 4/28/2021 5:01 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



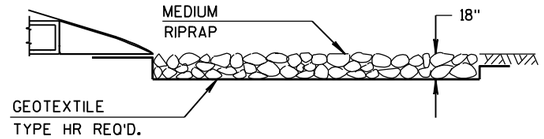
EROSION MAT TREATMENT AT CULVERTS



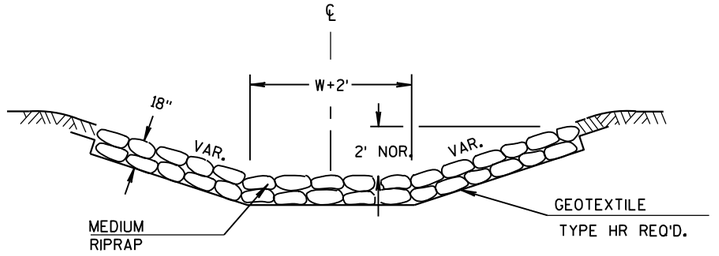
EROSION MAT DETAIL FOR DITCHES



* L = 3 TIMES DIAMETER (NOR.) OR 10' MIN. OR AS DIRECTED BY THE ENGINEER

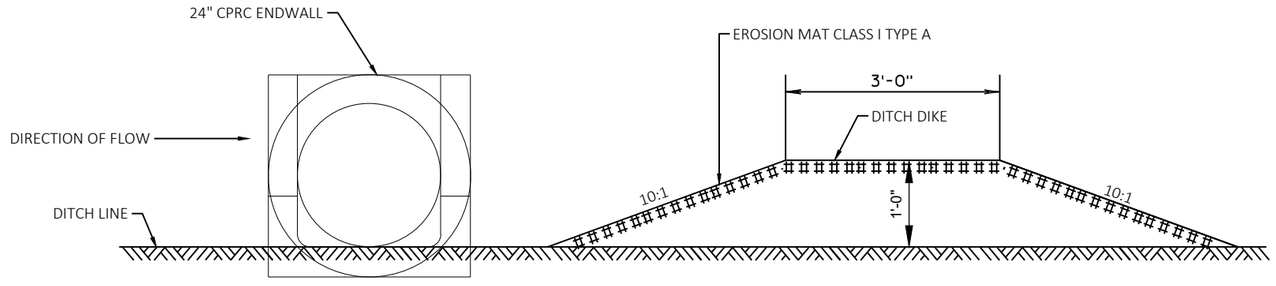


SECTION A-A



SECTION B-B

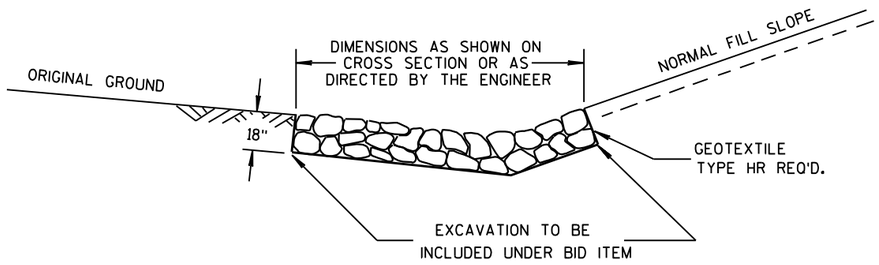
MEDIUM RANDOM RIPRAP AND GEOTEXTILE DETAIL AT APRON ENDWALL



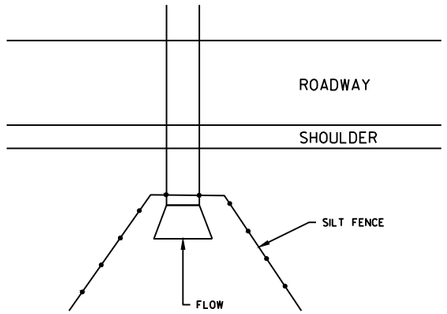
DETAIL FOR DITCH DIKES AT MEDIAN DRAINS

SEE EROSION CONTROL PLANS FOR LOCATIONS

NOTE: INSTALL DITCH DIKES AT MEDIAN DRAINS WITHIN 5 DAYS OF CULVERT INSTALLATION

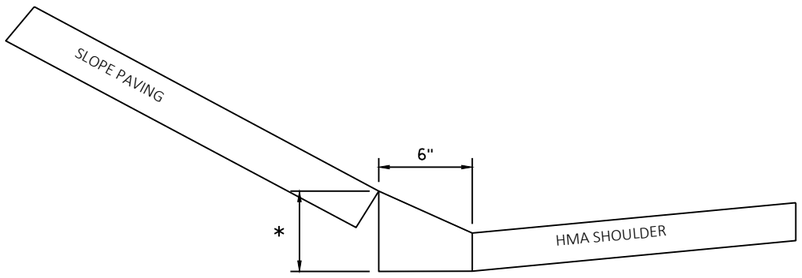


DETAIL FOR RIPRAP MEDIUM IN DITCHES



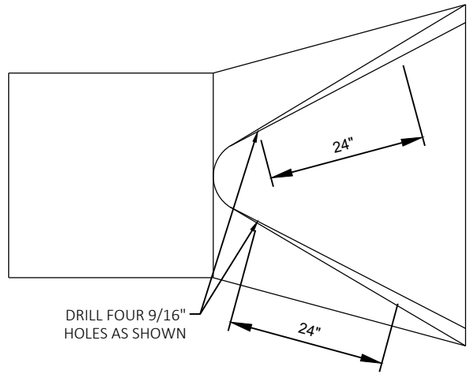
NOTE: SEE S.D.D. "SILT FENCE" FOR ADDITIONAL DETAILS

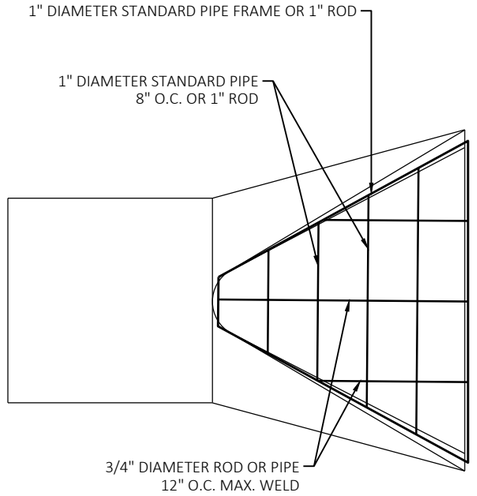
SILT FENCE DETAIL AT PIPE INLET



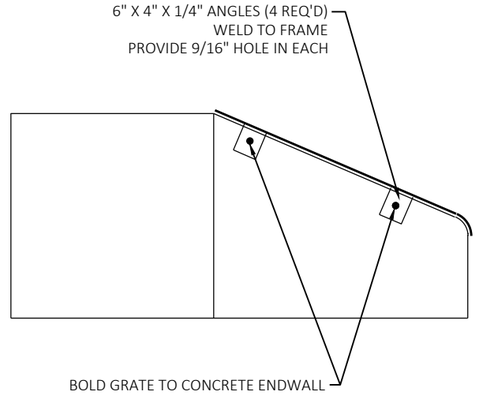
*VARIES, 2"-6", MATCH EXISTING SLOPE PAVING

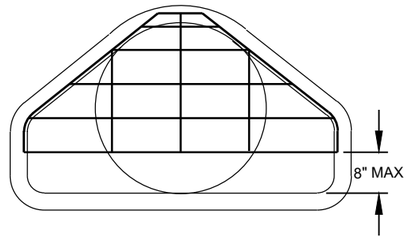
ASPHALTIC CURB





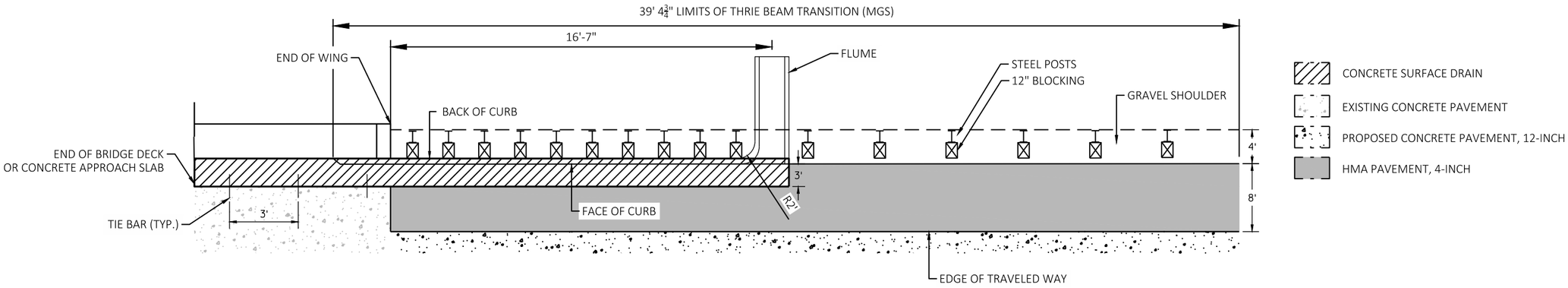
AT EACH PIPE





PIPE GRATE DETAIL

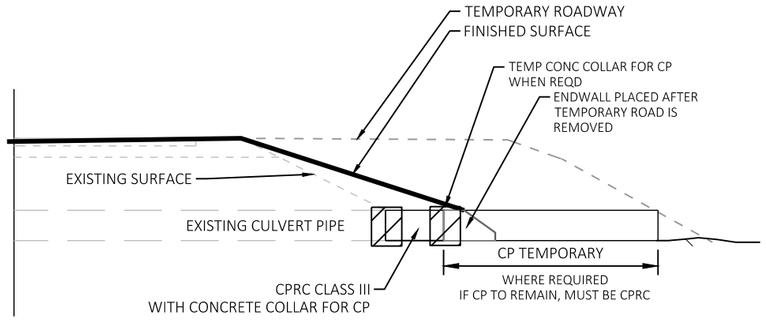
2



CONCRETE SURFACE DRAIN LAYOUT DETAIL
236+85 EB
239+56 WB

INFORMATION NOT SHOWN WILL CONFORM TO THE FOLLOWING S.D.D.:
- CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
- MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATIONS GIVEN ON PLAN ARE APPROXIMATE, ALL LAYOUT IS TO BE COMPLETED OFF THE END OF WING



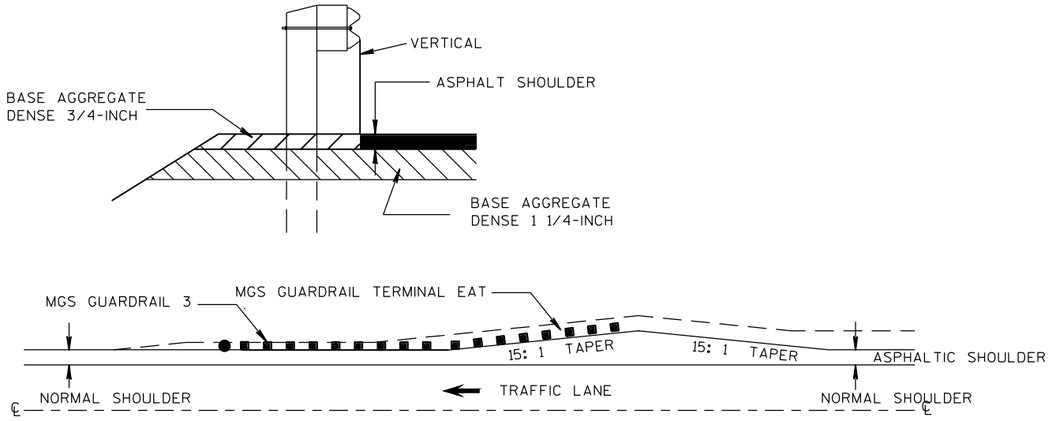
TEMPORARY ROADWAY CULVERT INSTALLATION

2

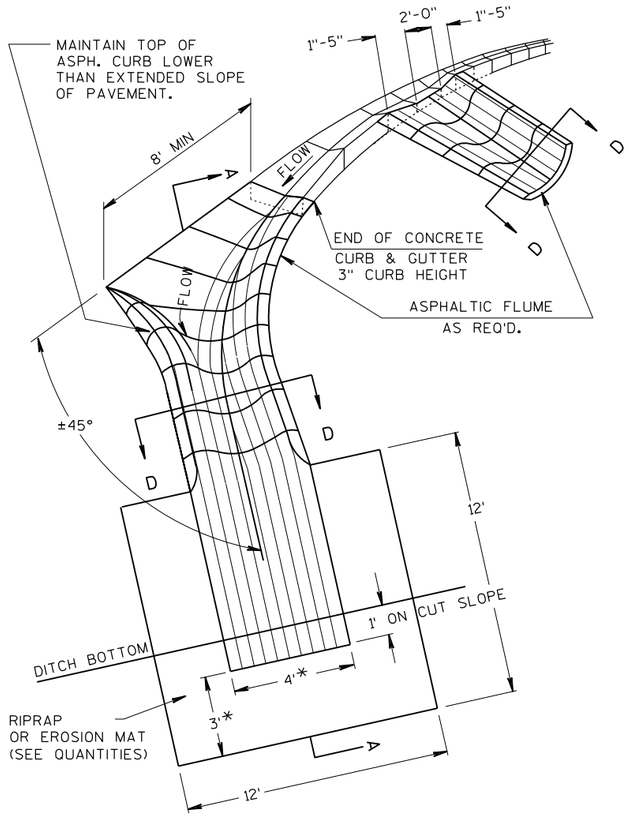
RUNOFF COEFFICIENT TABLE

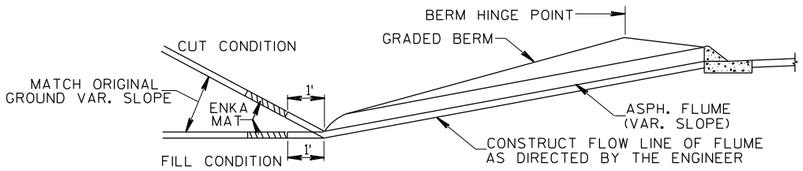
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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 = 143.6 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 86.8 ACRES

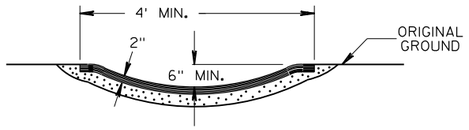


DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD





SECTION A-A

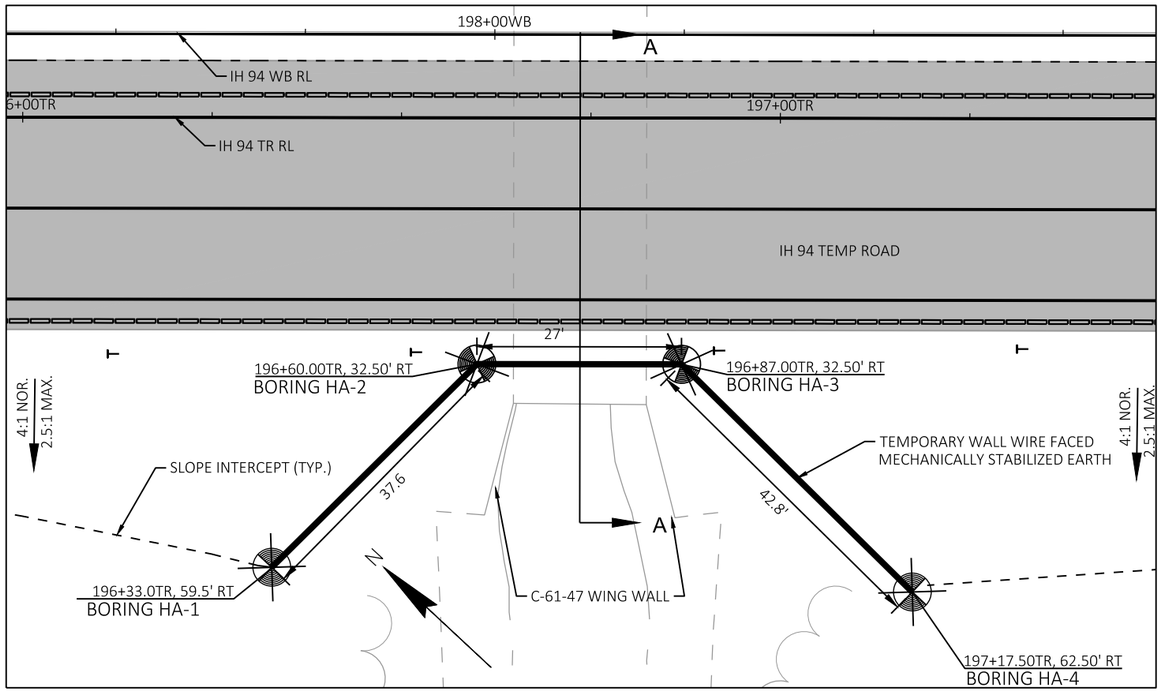


SECTION D-D

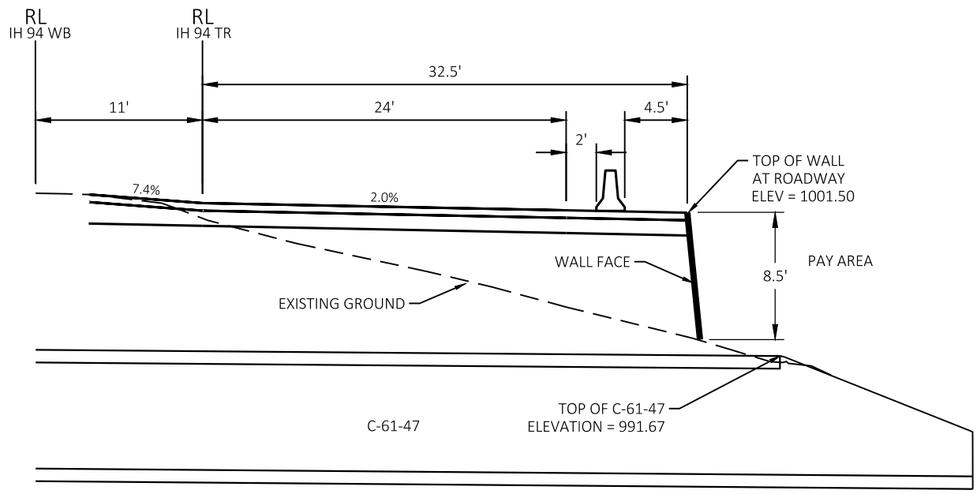
ASPHALTIC FLUME DETAIL

NOTE:
FOR FURTHER DETAIL SEE S.D.D. "CONCRETE SURFACE DRAINS & ASPHALTIC

TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH ELEVATION DETAIL

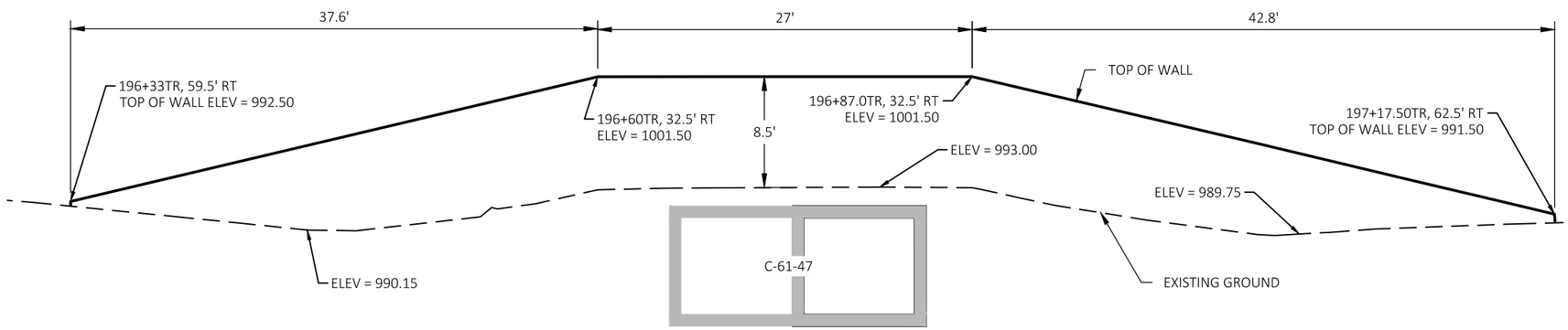


PLAN VIEW



SECTION A-A

NOTES: VISIBLE FACE OF WALL IS MEASURED AT 660 SF
SOIL BORING INFORMATION IS INCLUDED IN SUBSEQUENT SHEETS



SECTION ALONG FACE OF WALL

AMERICAN ENGINEERING TESTING, INC.

SUBSURFACE BORING LOG

AET No: **12-02788** Log of Boring No. **HA-1 (p. 1 of 1)**

Project: **Project ID 1022-00-09; Eau Claire - Osseo; CTH NN to ECL; IH 94; Trempealeau County**

DEPTH IN FEET	ELEV. FEET	Surface Elevation **991.0** MATERIAL DESCRIPTION	GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS WC	qp	LL	PL	%-#200
	990.5	FILL, silty sand with organics (roots), fine to medium grained, brown, moist (SM)	FILL		M	DS						
1		FILL, silty sand with gravel, fine to medium grained, trace organics, brown, moist (SM)			M	DS						
2	989.0	FILL, silty sand, fine to medium grained, a little gravel, trace organics (roots), dark brown and brown, moist (SM)			M	DS						
3												
4	987.0	SILTY SAND, fine to medium grained, trace organics (roots), black, moist to waterbearing (SM)	COARSE ALLUVIUM									
5					M/W	DS						
6	984.5											
7		Gravelly SAND, fine to medium grained, brown, waterbearing (SP)			W	DS						
8	983.5	SAND, fine to medium grained, a little gravel, brown, waterbearing (SP)			W	DS						
	982.6											
	982.4	SAND, fine grained, brown, waterbearing (SP)			W	DS						
		Hand auger refusal - end of boring at 8.6 feet										

DCP Values (per 1.5-inch increment)
0': 1,1,1,2,3,4
1': 1,2,2,3,2,3
2': 3,3,4,5,6,6
3': 3,4,6,4,5,5
4': 1,3,3,4,3,4
5': 3,3,3,3,3,3
6': 3,3,3,4,3,4
7': 1,4,4,7,8,12
8': 5,8,20,25

DEPTH: DRILLING METHOD	WATER LEVEL MEASUREMENTS						
	DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
0-8.6' Hand Auger	**5/8/18**	**1450**	**8.6'**	**None**	**6.0'**	**None**	**5.8'**
	5/8/18	**1730**	**8.6'**	**None**	**5.9'**	**None**	**5.7'**
BORING COMPLETED: **5/8/18**							
DR: **CV** LG: **MM** Rig:							

AET_CORP W-ELEV 12-02788 - IH-94.GPJ AET+CPT+WELL.GDT 5/29/18

03/2011 01-DHR-060

AMERICAN ENGINEERING TESTING, INC.

SUBSURFACE BORING LOG

AET No: **12-02788** Log of Boring No. **HA-2 (p. 1 of 1)**

Project: **Project ID 1022-00-09; Eau Claire - Osseo; CTH NN to ECL; IH 94; Trempealeau County**

DEPTH IN FEET	ELEV. FEET	Surface Elevation **993.0** MATERIAL DESCRIPTION	GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS WC	qp	LL	PL	%-#200
		FILL, silty sand with organics (roots), fine to medium grained, dark brown, moist (SM)	FILL		M	DS						
1	992.0	FILL, silty sand, fine to medium grained, a little gravel, brown, moist (SM)										
2					M	DS						
3	989.5											
4		FILL, silty sand, fine to medium grained, a little gravel, dark brown, moist (SM)			M	DS						
5	988.0											
6	987.0	FILL, clayey sand, fine to medium grained, a little gravel, brown and gray, moist (SC)			M	DS						
7		FILL, sand, fine to medium grained, brown, moist to waterbearing (SP)			M/W	DS						
8	984.5											
9	983.2	FILL, sand, fine grained, dark brown and brown, waterbearing (SP)			W	DS						
10	982.5	Sandy SILT with organics (roots), black, waterbearing (ML)	FINE ALLUVIUM		W	DS						
11	982.0	Gravelly SAND, fine to medium grained, brown, waterbearing (SP)	COARSE ALLUVIUM		W	DS						
		End of boring at 11.0 feet										

DCP Values (per 1.5-inch increment)
0': 1,1,1,1,1,2
1': 1,2,2,3,3,2
2': 2,2,3,3,3,3
3': 2,3,5,5,4,4
4': 5,5,7,12,12,14
5': 4,5,7,7,8,7
6': 5,3,3,3,4,3
7': 3,3,4,4,4,4
8': 2,2,1,2,1,1
9': 2,1,1,2,1,2
10': 0,0,0,0,2,2

DEPTH: DRILLING METHOD	WATER LEVEL MEASUREMENTS						
	DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
0-11.0' Hand Auger	**5/8/18**	**1300**	**9.0'**	**None**	**9.0'**	**None**	**7.5'**
BORING COMPLETED: **5/8/18**							
DR: **CV** LG: **MM** Rig:							

AET_CORP W-ELEV 12-02788 - IH-94.GPJ AET+CPT+WELL.GDT 5/29/18

03/2011 01-DHR-060

PROJECT NO: 1022-00-79 | HWY: IH 94 | COUNTY: TREMPEALEAU | CONSTRUCTION DETAILS - WALL SOIL BORING LOGS (1 OF 2) | SHEET 20 | E

FILE NAME : C:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\021001-CD.DWG LAYOUT NAME - 06 PLOT DATE : 11/1/2018 7:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ########## WISDOT/CADDS SHEET 42

AMERICAN ENGINEERING TESTING, INC.

SUBSURFACE BORING LOG

AET No: **12-02788** Log of Boring No. **HA-3 (p. 1 of 1)**

Project: **Project ID 1022-00-09; Eau Claire - Osseo; CTH NN to ECL; IH 94; Trempealeau County**

DEPTH IN FEET	ELEV. FEET	Surface Elevation **993.0** MATERIAL DESCRIPTION	GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS WC	qp	LL	PL	%-#200
	992.5	FILL, silty sand with organics (roots), fine to medium grained, dark brown, moist (SM)	FILL		M	DS						
1	992.0	FILL, silty sand with gravel, fine to medium grained, trace organics (roots), brown, wet (SM)			W	DS						
2		FILL, sandy lean clay, a little gravel, dark brown and brown (CL)										
3					M	DS						
4	988.5											
5		FILL, silty sand, fine to medium grained, a little gravel, brown, moist (SM)										
6					M	DS						
7	985.5											
8		SAND, fine to medium grained, a little gravel, brown, moist to waterbearing (SP)	COARSE ALLUVIUM		▼							
9					M/W	DS						
10	983.0	*End of boring at 10.0 feet*										

DCP Values (per 1.5-inch increment)
0': 1,1,1,1,1,1
1': 2,2,2,2,3,2
2': 2,3,4,5,4,4
3': 3,4,7,10,8,7
4': 4,6,7,7,8,7
5': 4,7,7,7,9,9
6': 2,3,8,8,5,6
7': 3,4,7,9,10,11
8': 3,4,5,8,10,13
9': 4,7,10,11,15,11

DEPTH: DRILLING METHOD	WATER LEVEL MEASUREMENTS DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
0-10.0' Hand Auger	**5/8/18**	**1415**	**10.0'**	**None**	**8.2'**	**None**	**8.1'**
BORING COMPLETED: **5/8/18**							
DR: **CV** LG: **MM** Rig:							

AET_CORP W-ELEV 12-02788 - IH-94.GPJ AET+CPT+WELL.GDT 5/29/18

03/2011 01-DHR-060

AMERICAN ENGINEERING TESTING, INC.

SUBSURFACE BORING LOG

AET No: **12-02788** Log of Boring No. **HA-4 (p. 1 of 1)**

Project: **Project ID 1022-00-09; Eau Claire - Osseo; CTH NN to ECL; IH 94; Trempealeau County**

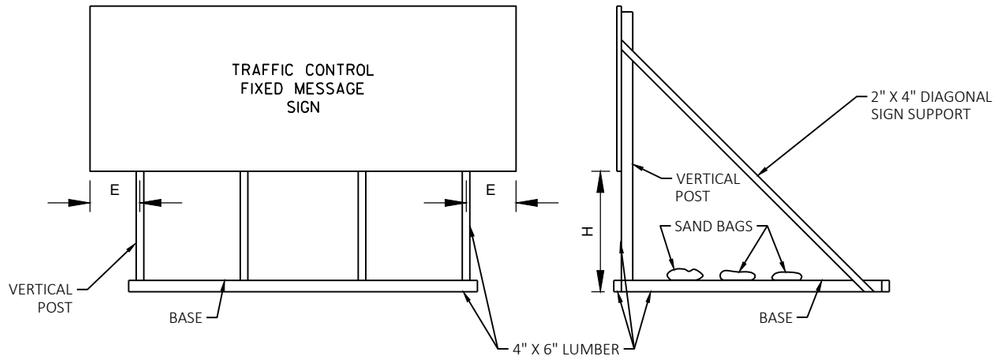
DEPTH IN FEET	ELEV. FEET	Surface Elevation **990.0** MATERIAL DESCRIPTION	GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS WC	qp	LL	PL	%-#200
	989.2	FILL, silty sand with organics (roots), fine to medium grained, dark brown, moist (SM)	FILL		M	DS						
1	988.5	FILL, clayey sand with gravel, fine to medium grained, brown, moist (SC)			M	DS						
2	987.2	FILL, silty sand, fine to medium grained, a little gravel, dark brown, moist (SM)			M	DS						
3		FILL, sand with gravel, fine to medium grained, brown, moist (SP)			M	DS						
4	986.0											
5		FILL, sand, fine to medium grained, brown and white, moist (SP)			M	DS						
6	983.5											
7		SAND with gravel, fine to medium grained, brown, moist to waterbearing (SP)	COARSE ALLUVIUM		▼ M/W	DS						
8	982.2	SAND, fine to medium grained, a little gravel, brown, waterbearing (SP)			W	DS						
9	980.4											
		Hand auger refusal - end of boring at 9.6 feet										

DCP Values (per 1.5-inch increment)
0': 1,1,1,1,1,2
1': 2,3,4,7,8,16
2': 8,16,25
3': 8,11,16,18,20,19
4': 4,8,12,16,14,12
5': 3,5,5,8,9,8
6': 4,6,8,10,13,9
7': 4,7,9,11,12,13
8': 5,8,9,16,20,22
9': 4,6,18,25

DEPTH: DRILLING METHOD	WATER LEVEL MEASUREMENTS DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
0-9.6' Hand Auger	**5/8/18**	**1730**	**9.6'**	**None**	**7.2'**	**None**	**7.0'**
BORING COMPLETED: **5/8/18**							
DR: **CV** LG: **MM** Rig:							

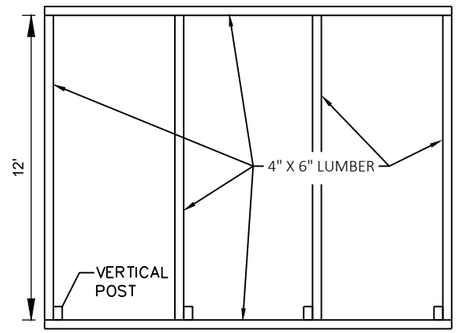
AET_CORP W-ELEV 12-02788 - IH-94.GPJ AET+CPT+WELL.GDT 5/29/18

03/2011 01-DHR-060



FRONT VIEW

SIDE VIEW



BASE PLAN VIEW

NOTES

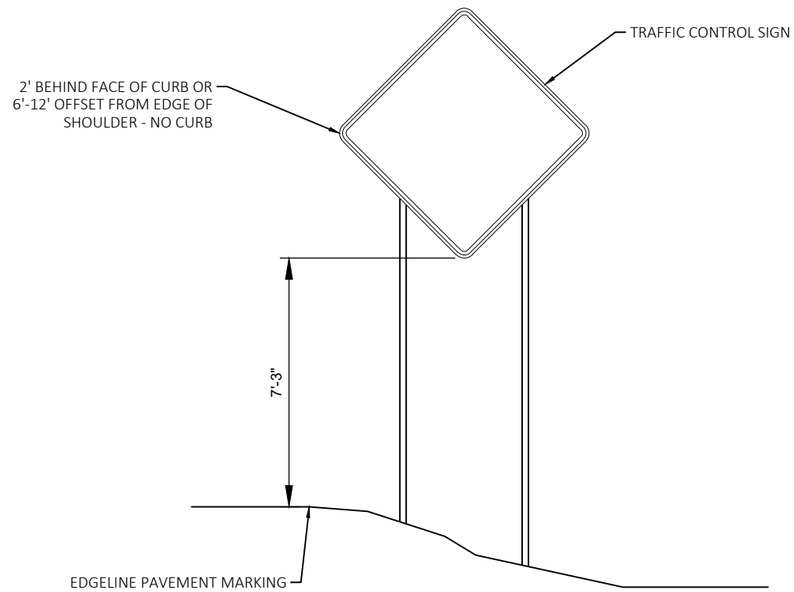
1. SEE TRAFFIC CONTROL SHEETS FOR SIGN LOCATIONS.
2. TWO DIAGONAL SUPPORTS SHALL BE INCLUDED AND AFFIXED TO THE OUTSIDE SUPPORTS.
3. DIAGONAL SUPPORTS, VERTICAL POSTS AND BASE LUMBER ARE ALL INCLUDED IN THE "TRAFFIC CONTROL SIGNS FIXED MESSAGE" ITEM.
4. PROVIDE SAND BAGS TO HOLD THE SIGN IN PLACE. SAND BAGS ARE INCLUDED IN THE "TRAFFIC CONTROL SIGNS FIXED MESSAGE" ITEM.
5. SEE DETAIL "TEMPORARY TRAFFIC CONTROL SIGN MOUNTING" FOR DETAILS NOT SHOWN.
6. DIMENSION 'H' INCLUDES HEIGHT OF SIGN IF NEEDED DURING A LATER STAGE.
7. SIGN TO BE SHIELDED BEHIND CONCRETE BARRIER OR PLACED OUTSIDE THE CLEAR ZONE.
8. INSTALL SIGNS ON CONCRETE PAVEMENT OR ASPHALTIC SURFACE TEMPORARY IN A FLAT LOCATION SO THE SIGN IS LEVEL.

DIMENSION 'E' = SEE DETAIL 'TEMPORARY TRAFFIC CONTROL SIGN MOUNTING'

DIMENSION 'H' = SEE DETAIL 'TEMPORARY TRAFFIC CONTROL SIGN MOUNTING'

NUMBER OF VERTICAL POSTS = SEE DETAIL 'TEMPORARY TRAFFIC CONTROL SIGN MOUNTING'

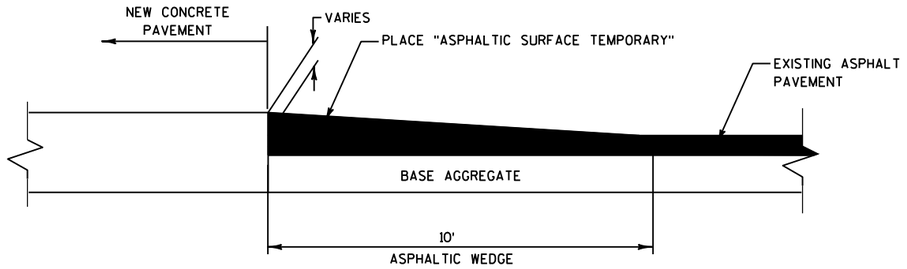
FIXED MESSAGE SIGN PORTABLE SUPPORT



TYPICAL TEMPORARY TRAFFIC CONTROL SIGN
DETAIL MOUNTING ON FIXED SUPPORT

NOTE:

1) LONG TERM 7 DAYS OR MORE
2) SEE DETAIL "TEMPORARY TRAFFIC CONTROL SIGN MOUNTING" FOR DETAILS NOT SHOWN.



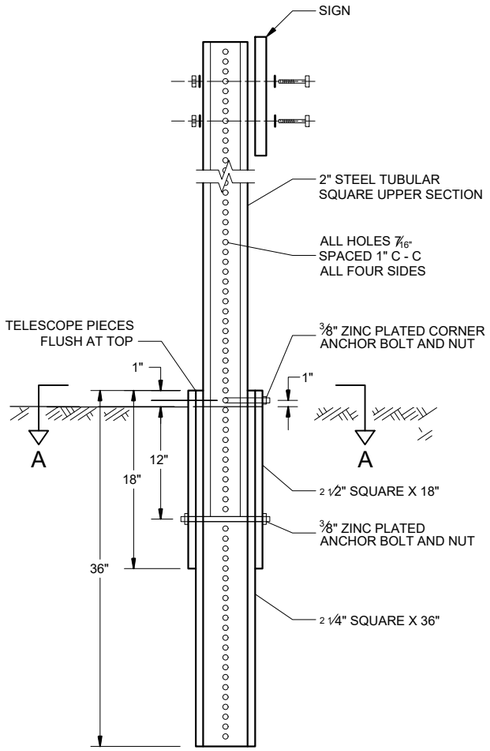
NOTE:

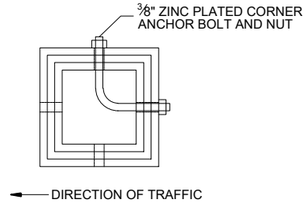
REMOVAL OF ASPHALTIC WEDGES WILL BE PAID FOR AS "REMOVING ASPHALTIC SURFACE BUTT JOINT".

TEMPORARY WEDGES DETAIL

(MATCH POINTS)

NOTE: PROVIDE ASPHALTIC WEDGE PRIOR TO OPENING LANE TO TRAFFIC.
STAGE 1BP1 & 1BP2 TO MATCH EXISTING ASPHALT FROM NEW CONCRETE PAVEMENT





AREA OF SIGN INSTALLATION (SQ FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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

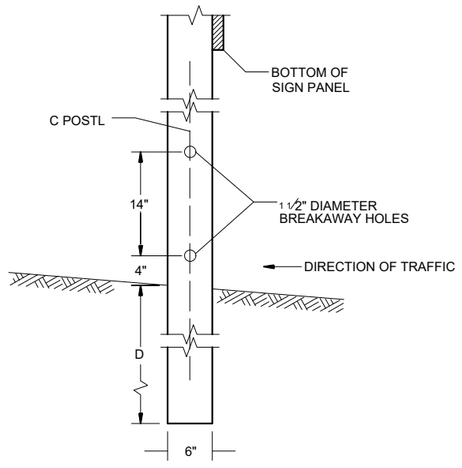
SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

(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 WHERE PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

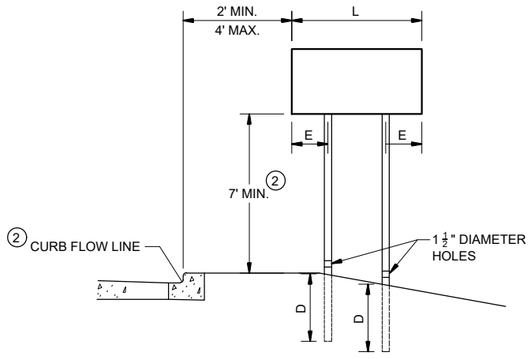
(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.

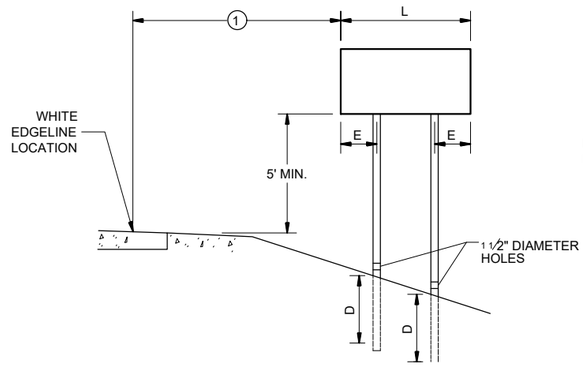


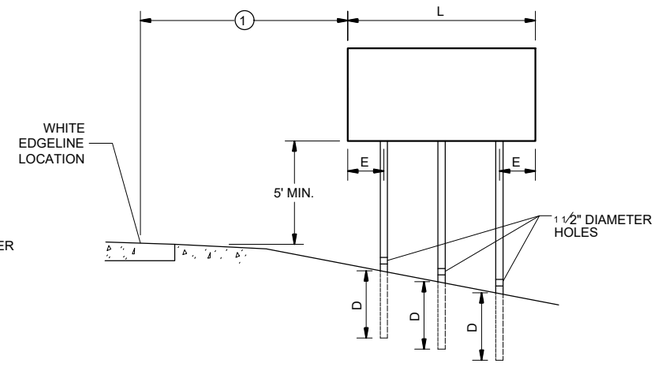
(3)

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAT 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

AREA OF SIGN INSTALLATION (SQ FT.)	D (MIN.)
20 OR LESS	4'
GREATER THAN 20	5'

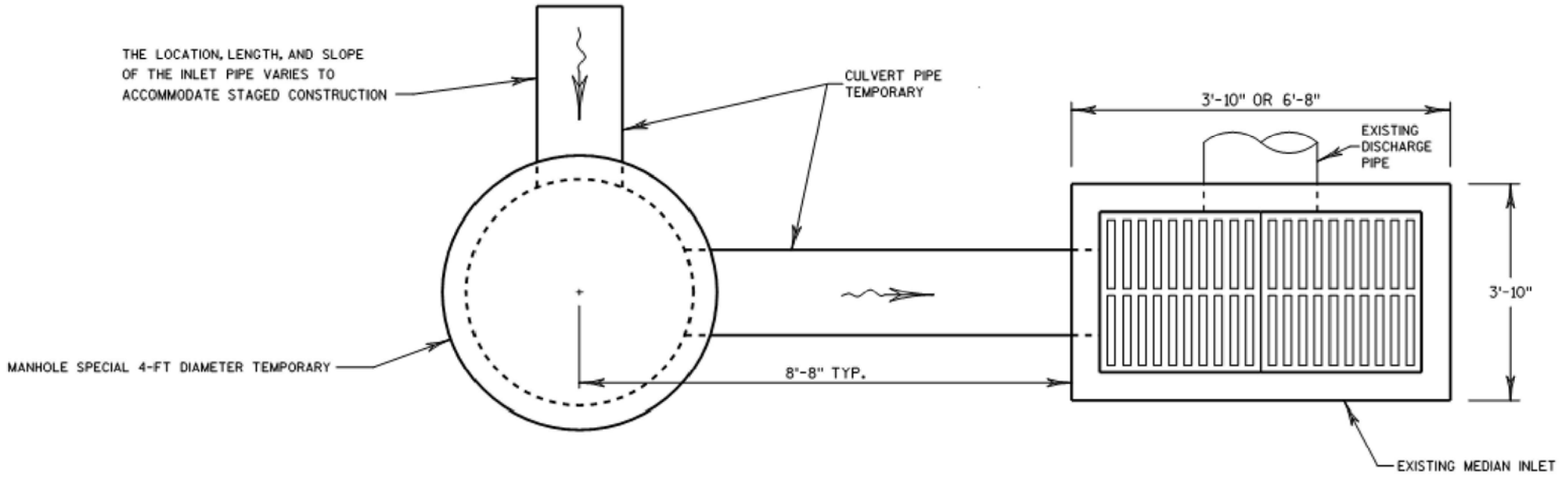




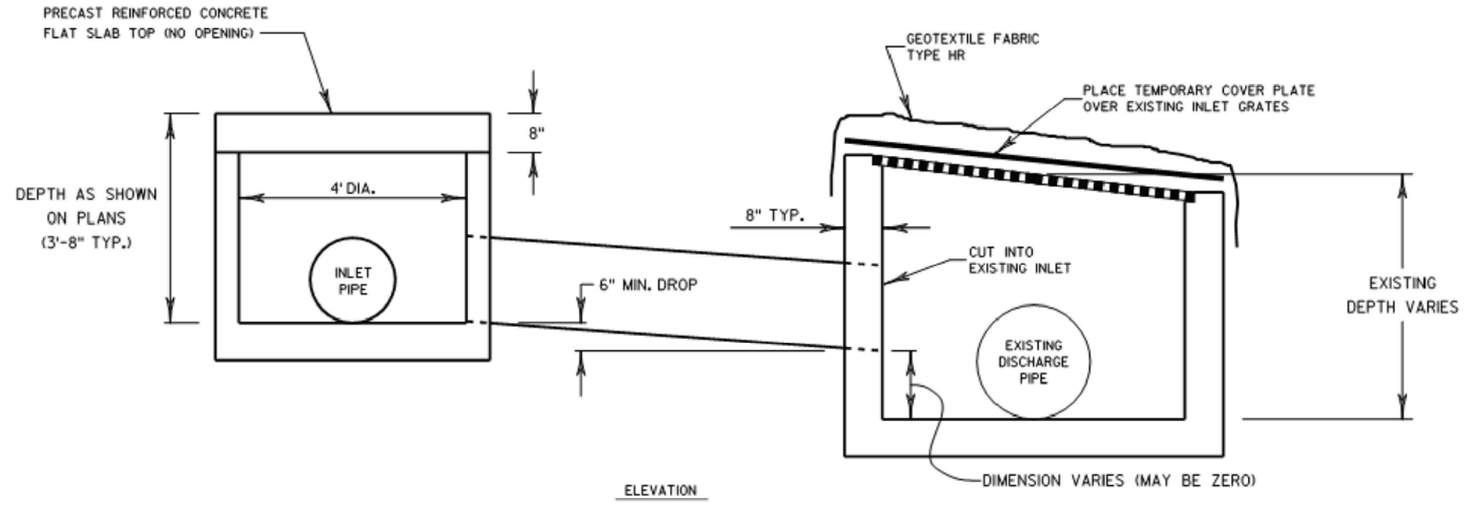


TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

2



PLAN VIEW

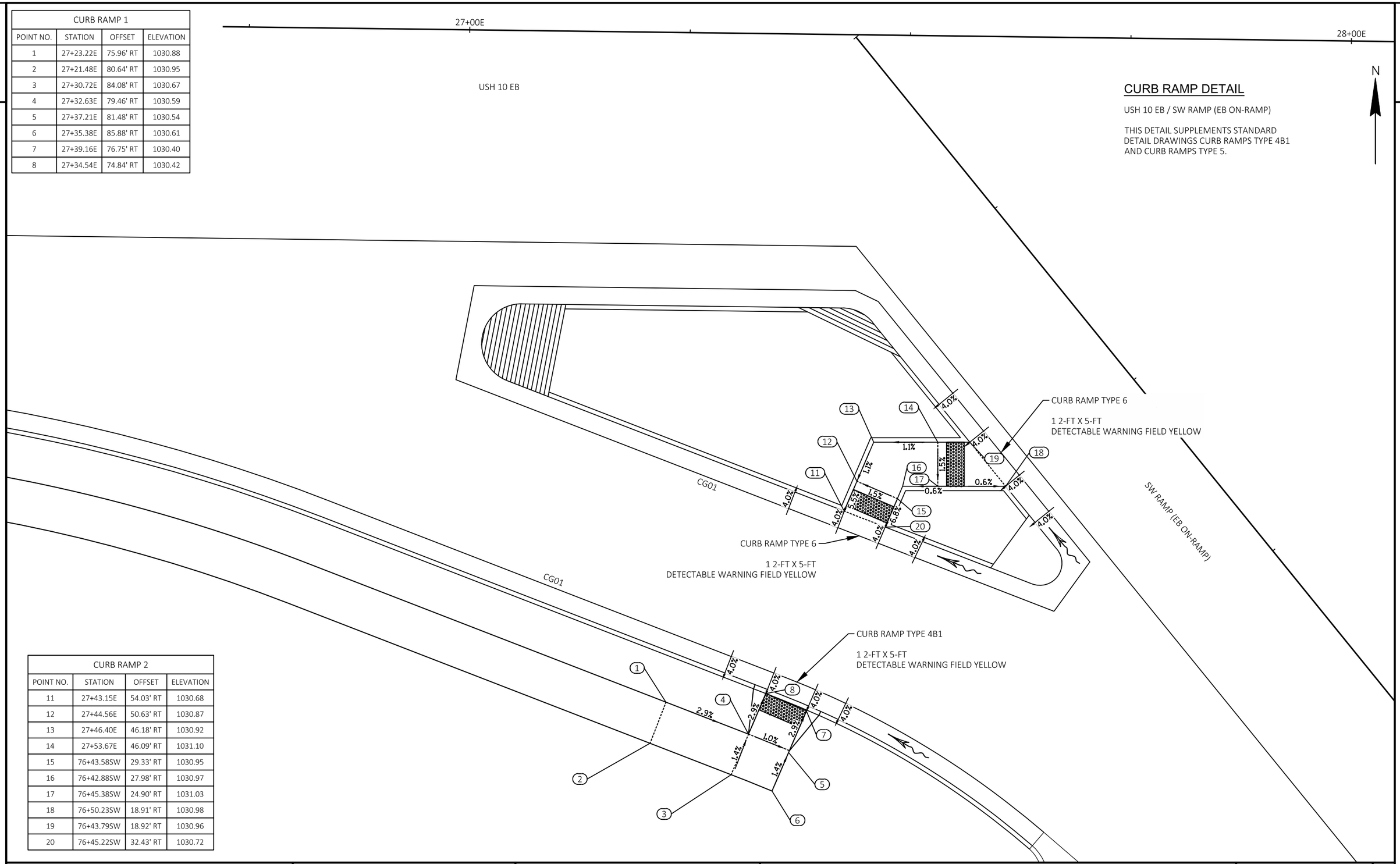


ELEVATION

MANHOLES SPECIAL 4-FT DIAMETER TEMPORARY

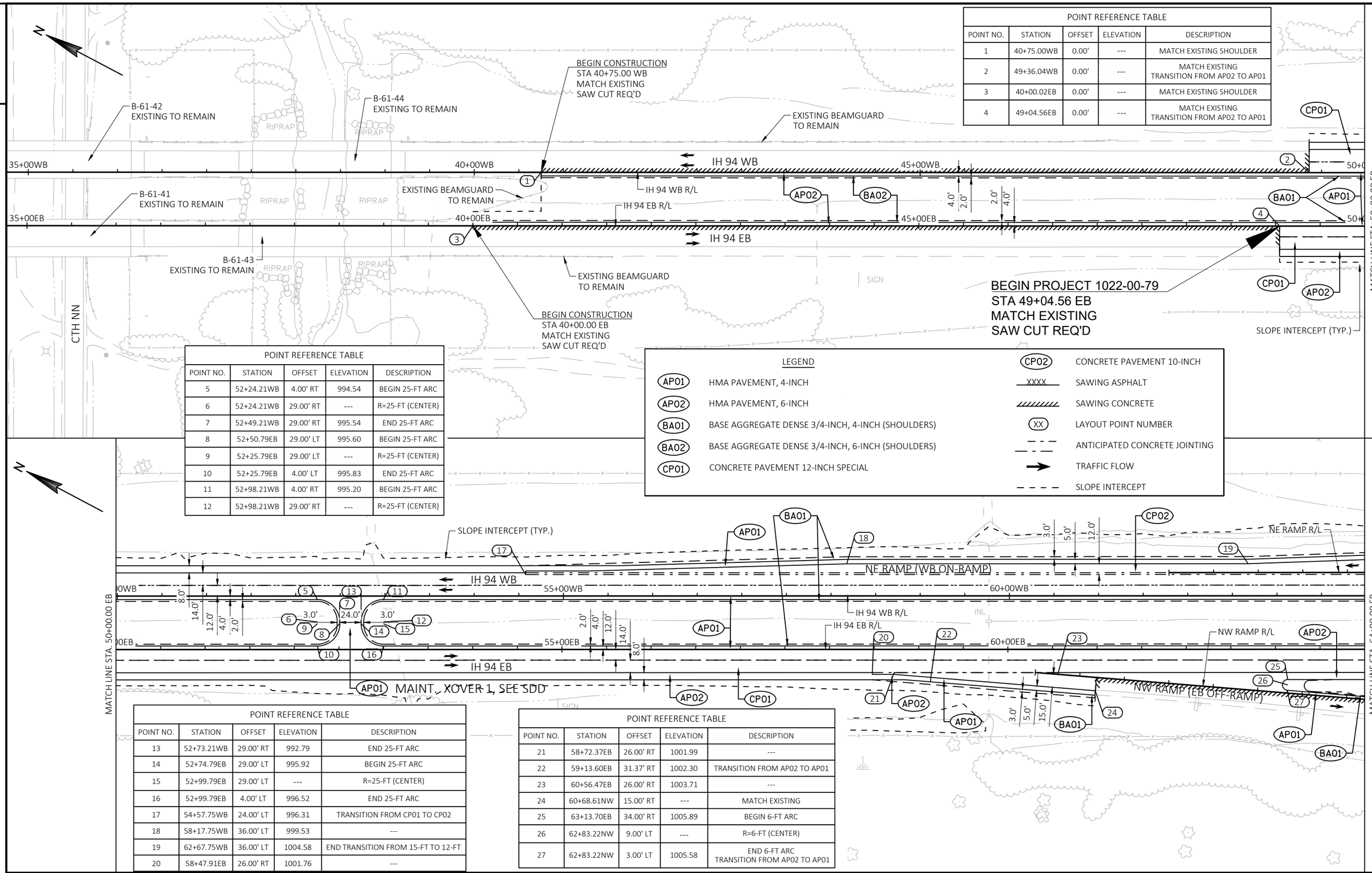
RECONSTRUCTING MEDIAN INLETS SPECIAL

CURB RAMP 1			
POINT NO.	STATION	OFFSET	ELEVATION
1	27+23.22E	75.96' RT	1030.88
2	27+21.48E	80.64' RT	1030.95
3	27+30.72E	84.08' RT	1030.67
4	27+32.63E	79.46' RT	1030.59
5	27+37.21E	81.48' RT	1030.54
6	27+35.38E	85.88' RT	1030.61
7	27+39.16E	76.75' RT	1030.40
8	27+34.54E	74.84' RT	1030.42



CURB RAMP 2			
POINT NO.	STATION	OFFSET	ELEVATION
11	27+43.15E	54.03' RT	1030.68
12	27+44.56E	50.63' RT	1030.87
13	27+46.40E	46.18' RT	1030.92
14	27+53.67E	46.09' RT	1031.10
15	76+43.58SW	29.33' RT	1030.95
16	76+42.88SW	27.98' RT	1030.97
17	76+45.38SW	24.90' RT	1031.03
18	76+50.23SW	18.91' RT	1030.98
19	76+43.79SW	18.92' RT	1030.96
20	76+45.22SW	32.43' RT	1030.72

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CONSTRUCTION DETAILS - CURB RAMP	SHEET 25	E



POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	40+75.00WB	0.00'	---	MATCH EXISTING SHOULDER
2	49+36.04WB	0.00'	---	MATCH EXISTING TRANSITION FROM AP02 TO AP01
3	40+00.02EB	0.00'	---	MATCH EXISTING SHOULDER
4	49+04.56EB	0.00'	---	MATCH EXISTING TRANSITION FROM AP02 TO AP01

POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
5	52+24.21WB	4.00' RT	994.54	BEGIN 25-FT ARC
6	52+24.21WB	29.00' RT	---	R=25-FT (CENTER)
7	52+49.21WB	29.00' RT	995.54	END 25-FT ARC
8	52+50.79EB	29.00' LT	995.60	BEGIN 25-FT ARC
9	52+25.79EB	29.00' LT	---	R=25-FT (CENTER)
10	52+25.79EB	4.00' LT	995.83	END 25-FT ARC
11	52+98.21WB	4.00' RT	995.20	BEGIN 25-FT ARC
12	52+98.21WB	29.00' RT	---	R=25-FT (CENTER)

LEGEND

AP01	HMA PAVEMENT, 4-INCH	CP02	CONCRETE PAVEMENT 10-INCH
AP02	HMA PAVEMENT, 6-INCH	XXXX	SAWING ASPHALT
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)		SAWING CONCRETE
BA02	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH (SHOULDERS)	XX	LAYOUT POINT NUMBER
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL		ANTICIPATED CONCRETE JOINTING
			TRAFFIC FLOW
			SLOPE INTERCEPT

POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
13	52+73.21WB	29.00' RT	992.79	END 25-FT ARC
14	52+74.79EB	29.00' LT	995.92	BEGIN 25-FT ARC
15	52+99.79EB	29.00' LT	---	R=25-FT (CENTER)
16	52+99.79EB	4.00' LT	996.52	END 25-FT ARC
17	54+57.75WB	24.00' LT	996.31	TRANSITION FROM CP01 TO CP02
18	58+17.75WB	36.00' LT	999.53	---
19	62+67.75WB	36.00' LT	1004.58	END TRANSITION FROM 15-FT TO 12-FT
20	58+47.91EB	26.00' RT	1001.76	---

POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
21	58+72.37EB	26.00' RT	1001.99	---
22	59+13.60EB	31.37' RT	1002.30	TRANSITION FROM AP02 TO AP01
23	60+56.47EB	26.00' RT	1003.71	---
24	60+68.61NW	15.00' RT	---	MATCH EXISTING
25	63+13.70EB	34.00' RT	1005.89	BEGIN 6-FT ARC
26	62+83.22NW	9.00' LT	---	R=6-FT (CENTER)
27	62+83.22NW	3.00' LT	1005.58	END 6-FT ARC TRANSITION FROM AP02 TO AP01

POINT REFERENCE TABLE				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
50	102+38.76NE	15.00' LT	1005.76	BEGIN TRANSITION FROM 15-FT TO 12-FT
51	103+36.65NE	0.00'	1007.28	---
52	105+14.01NE	3.00' RT	1008.94	BEGIN 6-FT ARC
53	105+14.01NE	9.00' RT	---	R=6-FT (CENTER)
54	66+93.22WB	34.00' LT	1008.91	END 6-FT ARC
55	109+50.06NE	0.00'	---	MATCH EXISTING
56	111+91.61NE	0.00'	---	MATCH EXISTING SHOULDER
57	65+14.25NW	0.00'	---	MATCH EXISTING SHOULDER
58	78+01.05SW	0.00'	---	MATCH EXISTING SHOULDER
59	79+69.18SW	0.00'	---	MATCH EXISTING SHOULDER
60	81+92.32SW	0.00'	---	MATCH EXISTING

END CONSTRUCTION
STA 111+91.61 NE
MATCH EXISTING
SAW CUT REQ'D

NE RAMP (WB ON-RAMP)

NE RAMP R/L

USH 10 WB R/L

USH 10 EB R/L

SE RAMP (WB OFF-RAMP)

SE RAMP R/L

SLOPE INTERCEPT (TYP.)

IH 94 WB

IH 94 WB R/L

IH 94 EB

IH 94 EB R/L

STEEL THRIE BEAM
(SEE PLAN AND PROFILE: IH 94 EB FOR DETAILS)

B-61-156

USH 10 WB

USH 10 EB

BEGIN CONSTRUCTION
STA 78+01.05 SW
MATCH EXISTING
SAW CUT REQ'D

SW RAMP R/L

SW RAMP (EB ON-RAMP)

END CONSTRUCTION
STA 65+14.25 NW
MATCH EXISTING
SAW CUT REQ'D

NW RAMP (EB OFF-RAMP)

NW RAMP R/L

SEE "PLAN DETAILS - USH 10" FOR
USH 10 INFORMATION

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

LEGEND	
AP01	HMA PAVEMENT, 4-INCH
AP02	HMA PAVEMENT, 6-INCH
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL
CP02	CONCRETE PAVEMENT 10-INCH
XXXX	SAWING ASPHALT
	SAWING CONCRETE
XX	LAYOUT POINT NUMBER
	ANTICIPATED CONCRETE JOINTING
	TRAFFIC FLOW
	SLOPE INTERCEPT

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN DETAILS	SHEET 27	E

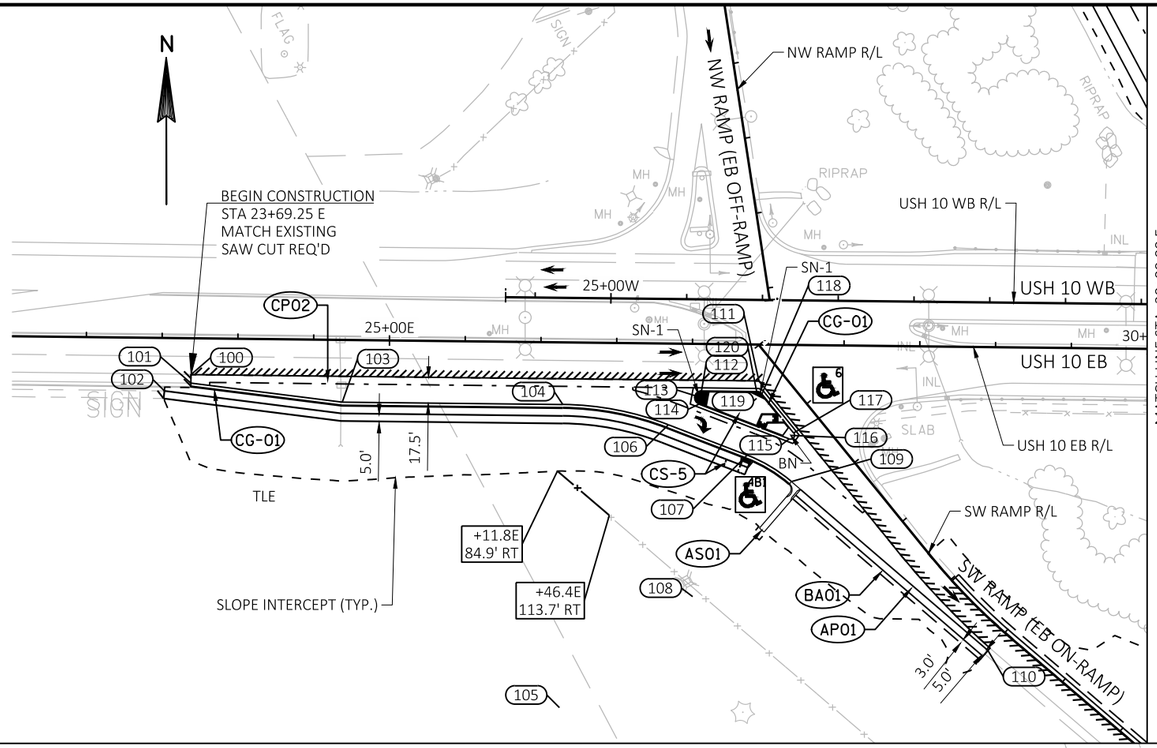
2

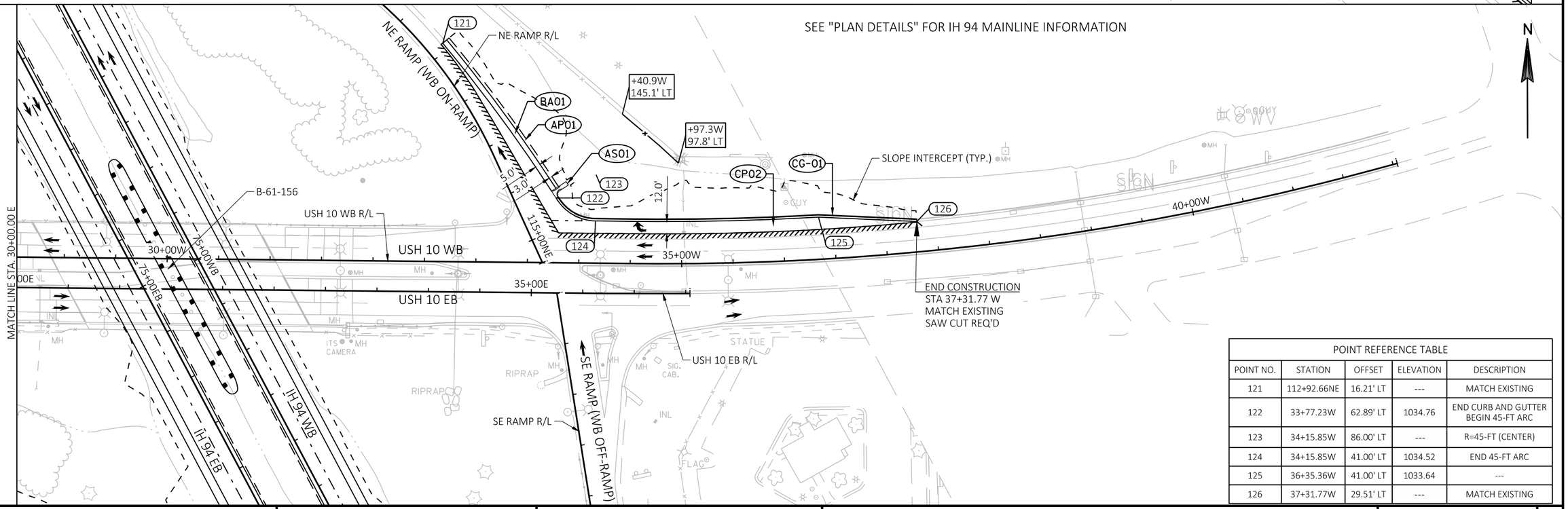
LEGEND

AP01	HMA PAVEMENT, 4-INCH
AS01	ASPHALTIC FLUMES
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
CG01	CONCRETE CURB & GUTTER 30-INCH TYPE A
CP02	CONCRETE PAVEMENT 10-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
XXXX	SAWING ASPHALT
	SAWING CONCRETE
XX	LAYOUT POINT NUMBER
SN-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
BN	CONCRETE MEDIAN BLUNT NOSE
	ANTICIPATED CONCRETE JOINTING
	TRAFFIC FLOW
	CURB RAMP DETECTABLE WARNING FIELD YELLOW
X	CURB RAMP, TYPE X
	SLOPE INTERCEPT
	FENCE WOVEN WIRE, 4-FT

POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
100	23+69.26E	24.00' RT	---	MATCH EXISTING
101	23+69.25E	29.59' RT	---	MATCH EXISTING
102	23+51.92E	34.96' RT	---	MATCH EXISITNG
103	24+69.25E	41.00' RT	1023.97	---
104	26+14.83E	41.00' RT	1027.76	BEGIN 200-FT ARC
105	26+14.83E	241.00' RT	---	R=200-FT (CENTER)
106	26+84.66E	53.59' RT	1029.45	END 200-FT ARC
107	27+36.85E	73.03' RT	1030.42	BEGIN 100-FT ARC
108	27+01.94E	166.74' RT	---	R=100-FT (CENTER)
109	27+66.26E	90.17' RT	1030.75	END 100-FT ARC END CURB AND GUTTER
110	78+49.37SW	16.17' RT	---	MATCH EXISTING
111	27+44.14E	24.00' RT	1030.90	---
112	27+06.29E	31.00' RT	1029.99	BEGIN 4.5-FT ARC
113	27+06.29E	35.50' RT	---	R=4.5-FT (CENTER)
114	27+04.72E	39.72' RT	1029.89	END 4.5-FT ARC
115	27+64.54E	62.01' RT	1031.35	BEGIN 2.5-FT ARC
116	27+65.42E	59.66' RT	---	R=2.5-FT (CENTER)
117	27+67.34E	58.06' RT	1030.95	END 2.5-FT ARC
118	27+46.11E	32.62' RT	1030.78	BEGIN 4.5-FT ARC
119	27+42.66E	35.50' RT	---	R=4.5-FT (CENTER)
120	27+42.66E	31.00' RT	1030.68	END 4.5-FT ARC





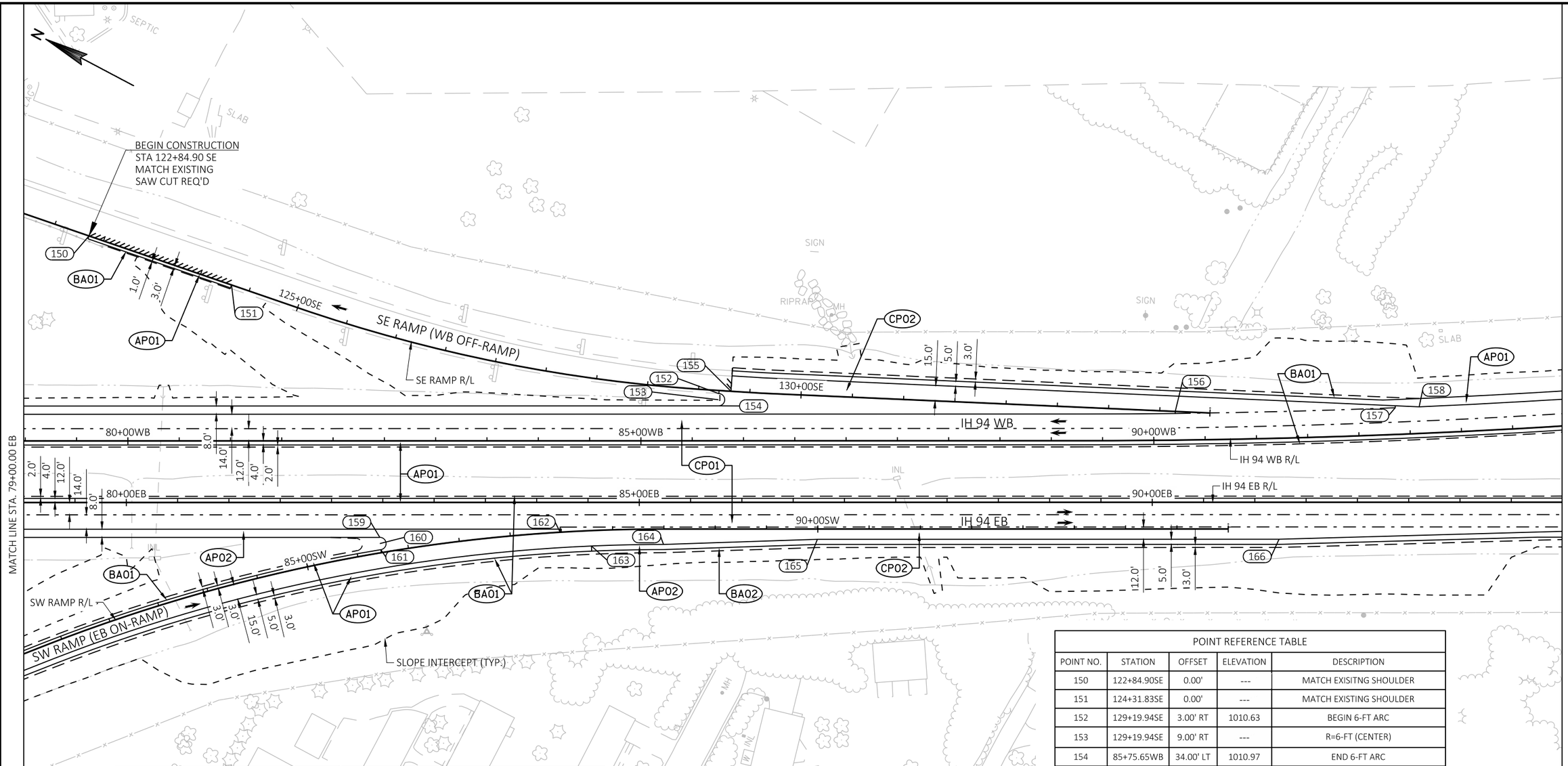
POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
121	112+92.66NE	16.21' LT	---	MATCH EXISTING
122	33+77.23W	62.89' LT	1034.76	END CURB AND GUTTER BEGIN 45-FT ARC
123	34+15.85W	86.00' LT	---	R=45-FT (CENTER)
124	34+15.85W	41.00' LT	1034.52	END 45-FT ARC
125	36+35.36W	41.00' LT	1033.64	---
126	37+31.77W	29.51' LT	---	MATCH EXISTING

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN DETAILS - USH 10	SHEET	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PD.DWG
LAYOUT NAME - USH 10
PLOT DATE : 10/31/2018 7:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2



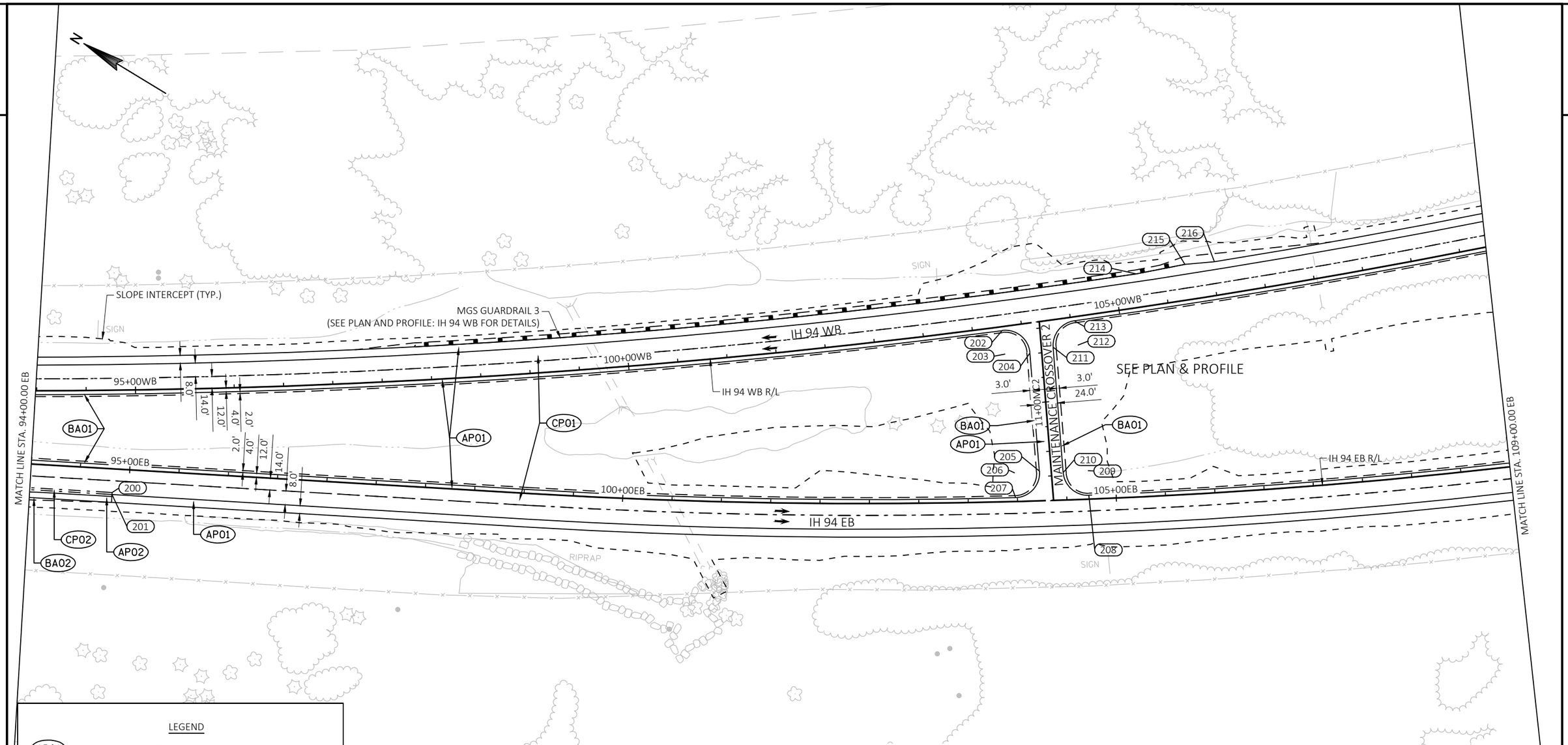
LEGEND

AP01	HMA PAVEMENT, 4-INCH	XXXX	SAWING ASPHALT
AP02	HMA PAVEMENT, 6-INCH		SAWING CONCRETE
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)	XX	LAYOUT POINT NUMBER
BA02	BASE AGGREGATE DENSE 3-4-INCH, 6-INCH (SHOULDERS)		ANTICIPATED CONCRETE JOINTING
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL		TRAFFIC FLOW
CP02	CONCRETE PAVEMENT 10-INCH		SLOPE INTERCEPT

POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
150	122+84.90SE	0.00'	---	MATCH EXISITNG SHOULDER
151	124+31.83SE	0.00'	---	MATCH EXISTING SHOULDER
152	129+19.94SE	3.00' RT	1010.63	BEGIN 6-FT ARC
153	129+19.94SE	9.00' RT	---	R=6-FT (CENTER)
154	85+75.65WB	34.00' LT	1010.97	END 6-FT ARC
155	129+31.56SE	0.00'	---	MATCH EXISTING
156	133+65.07SE	0.00'	1007.31	---
157	92+36.41WB	26.00' LT	1005.03	TRANSITION FROM CP02 TO CP01
158	92+59.80WB	26.00' LT	1004.75	---
159	82+47.09EB	34.00' RT	1011.45	BEGIN 6-FT ARC
160	82+47.09EB	40.00' RT	---	R=6-FT (CENTER)
161	85+73.27SW	3.00' LT	1011.39	END 6-FT ARC TRANSITION FROM AP01 TO AP02
162	87+48.77SW	0.00'	???	---
163	87+78.68SW	15.00' RT	1009.05	TRANSITION FROM AP01 TO AP02
164	88+49.55SW	15.00' RT	1008.77	BEGIN TRANSITION FROM 15-FT TO 12-FT
165	89+99.55SW	10.00' RT	1007.72	END TRANSITION FROM 15-FT TO 12-FT
166	91+23.58EB	36.00' RT	1002.05	---

2



LEGEND

AP01	HMA PAVEMENT, 4-INCH
AP02	HMA PAVEMENT, 6-INCH
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
BA02	BASE AGGREGATE DENSE 3/4-INCH, 6-INCH (SHOULDERS)
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL
XX	LAYOUT POINT NUMBER
	ANTICIPATED CONCRETE JOINTING
	TRAFFIC FLOW
	SLOPE INTERCEPT

POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
200	94+83.58EB	24.00' RT	996.71	TRANSITION FROM CP02 TO CP01
201	94+83.58EB	26.00' RT	996.67	TRANSITION FROM AP02 TO AP01
202	103+79.79WB	4.00' RT	991.26	BEGIN 25-FT ARC
203	11+51.52MC2	37.00' LT	---	R=25-FT (CENTER)
204	11+50.52MC2	12.00' LT	989.57	END 25-FT ARC
205	10+30.88MC2	12.00' LT	984.10	BEGIN 25-FT ARC
206	10+30.88MC2	37.00' LT	---	R=25-FT (CENTER)
207	103+98.06EB	4.00' LT	984.84	END 25-FT ARC
208	104+72.32EB	4.00' LT	984.27	BEGIN 25-FT ARC

POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
209	10+27.38MC2	37.00' RT	---	R=25-FT (CENTER)
210	10+27.38MC2	12.00' RT	984.05	END 25-FT ARC
211	11+54.63MC2	12.00' RT	989.74	BEGIN 25-FT ARC
212	11+54.63MC2	37.00' RT	---	R=25-FT (CENTER)
213	104+53.63WB	4.00' RT	990.31	END 25-FT ARC
214	105+22.79WB	34.00' LT	988.20	---
215	105+72.99WB	36.00' LT	987.47	END 15:1 TAPER
216	106+03.11WB	34.00' LT	987.16	BEGIN 15:1 TAPER

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN DETAILS	SHEET 30	E

2

LEGEND

AP01	HMA PAVEMENT, 4-INCH
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL
XX	LAYOUT POINT NUMBER
	ANTICIPATED CONCRETE JOINTING
	TRAFFIC FLOW
	SLOPE INTERCEPT
	FENCE WOVEN WIRE, 4-FT

POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
250	117+49.78WB	34.00' LT	981.09	---
251	118+00.01WB	36.00' LT	981.14	END 15:1 TAPER
252	118+30.14WB	34.00' LT	981.31	BEGIN 15:1 TAPER

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN DETAILS	SHEET 31	E

2

2

N

SIGN

SIGN

SIGN

SLOPE INTERCEPT (TYP.)

APO1

IH 94 WB

125+00WB

130+00WB

135+00WB

IH 94 WB R/L

8.0'

14.0'

12.0'

4.0'

2.0'

MATCH LINE STA. 124+00.00 EB

MATCH LINE STA. 139+00.00 EB

BA01

CP01

125+00EB

130+00EB

135+00EB

IH 94 EB R/L

IH 94 EB

AP01

2.0'

4.0'

12.0'

14.0'

8.0'

LEGEND

AP01	HMA PAVEMENT, 4-INCH
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL

ANTICIPATED CONCRETE JOINTING

TRAFFIC FLOW

SLOPE INTERCEPT

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN DETAILS	SHEET 32	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PD.DWG
LAYOUT NAME - 124+00 - 139+00

PLOT DATE : 10/31/2018 7:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

N

+32.7WB
119.3' LT

+29.4WB
117.2' LT

+23.0WB
117.3' LT

SLOPE INTERCEPT (TYP.)

SIGN

SIGN

AP01

IH 94 WB

140+00WB

145+00WB

150+00WB

IH 94 WB R/L

8.00'
14.00'
12.00'
4.00'
2.00'

MATCH LINE STA. 139+00.00 EB

BA01

CP01

MATCH LINE STA. 154+00.00 EB

IH 94 EB R/L

2.00'
4.00'
12.00'
14.00'
8.00'

140+00EB

145+00EB

150+00EB

IH 94 EB

AP01

LEGEND

- AP01 — HMA PAVEMENT, 4-INCH
- BA01 — BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
- CP01 — CONCRETE PAVEMENT 12-INCH SPECIAL

- ANTICIPATED CONCRETE JOINTING
- TRAFFIC FLOW
- SLOPE INTERCEPT
- FENCE WOVEN WIRE, 4-FT

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN DETAILS	SHEET 33	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PD.DWG
LAYOUT NAME - 139+00 - 154+00

PLOT DATE : 10/31/2018 7:44 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

SLOPE INTERCEPT (TYP.)

155+00WB

160+00WB

IH 94 WB

IH 94 WB R/L

165+00WB

AP01

8.0"

14.0"

12.0"

4.0"

2.0"

MATCH LINE STA. 154+00.00 EB

CP01

BA01

MATCH LINE STA. 169+00.00 EB

IH 94 EB R/L

160+00EB

155+00EB

165+00EB

IH 94 EB

AP01

2.0"

4.0"

12.0"

14.0"

8.0"

LEGEND

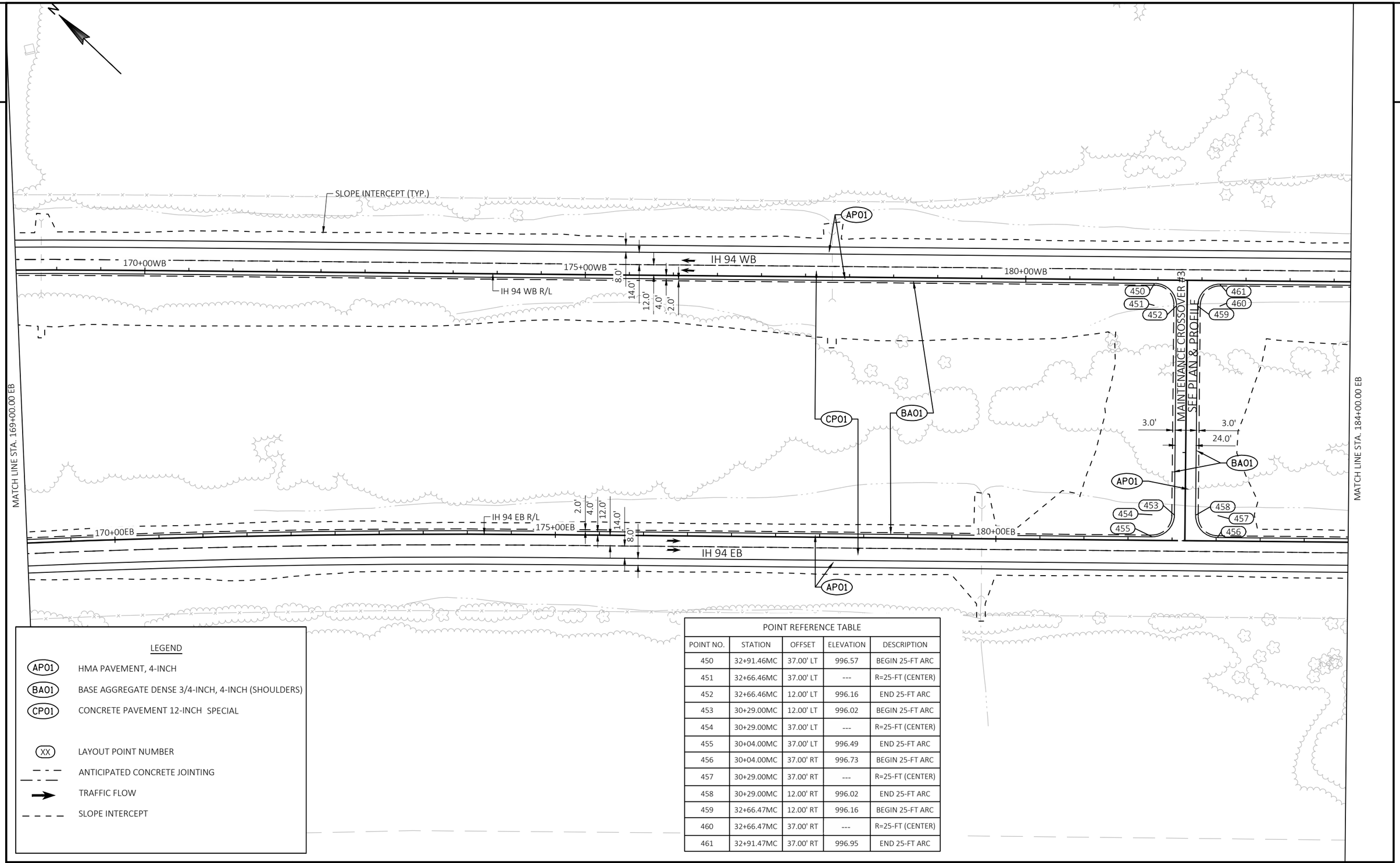
AP01	HMA PAVEMENT, 4-INCH
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL
	ANTICIPATED CONCRETE JOINTING
	TRAFFIC FLOW
	SLOPE INTERCEPT

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN DETAILS	SHEET 34 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PD.DWG
LAYOUT NAME - 154+00 - 169+00

PLOT DATE : 10/31/2018 7:44 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2



LEGEND

AP01	HMA PAVEMENT, 4-INCH
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL
XX	LAYOUT POINT NUMBER
	ANTICIPATED CONCRETE JOINTING
	TRAFFIC FLOW
	SLOPE INTERCEPT

POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
450	32+91.46MC	37.00' LT	996.57	BEGIN 25-FT ARC
451	32+66.46MC	37.00' LT	---	R=25-FT (CENTER)
452	32+66.46MC	12.00' LT	996.16	END 25-FT ARC
453	30+29.00MC	12.00' LT	996.02	BEGIN 25-FT ARC
454	30+29.00MC	37.00' LT	---	R=25-FT (CENTER)
455	30+04.00MC	37.00' LT	996.49	END 25-FT ARC
456	30+04.00MC	37.00' RT	996.73	BEGIN 25-FT ARC
457	30+29.00MC	37.00' RT	---	R=25-FT (CENTER)
458	30+29.00MC	12.00' RT	996.02	END 25-FT ARC
459	32+66.47MC	12.00' RT	996.16	BEGIN 25-FT ARC
460	32+66.47MC	37.00' RT	---	R=25-FT (CENTER)
461	32+91.47MC	37.00' RT	996.95	END 25-FT ARC

2

SLOPE INTERCEPT (TYP.)

AP01

185+00WB

190+00WB

IH 94 WB

195+00WB

IH 94 WB R/L

8.0'
14.0'
12.0'
4.0'
2.0'

MATCH LINE STA. 184+00.00 EB

BA01

CP01

MATCH LINE STA. 199+00.00 EB

IH 94 EB R/L

185+00EB

190+00EB

195+00EB

2.0'
4.0'
12.0'
14.0'
8.0'

IH 94 EB

AP01

W

FOUND

LEGEND

AP01	HMA PAVEMENT, 4-INCH
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL
	ANTICIPATED CONCRETE JOINTING
	TRAFFIC FLOW
	SLOPE INTERCEPT

2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN DETAILS	SHEET 36	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PD.DWG
LAYOUT NAME - 184+00 - 199+00

PLOT DATE : 10/31/2018 7:44 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

MATCH LINE STA. 199+00.00 EB

MATCH LINE STA. 214+00.00 EB

SIGN

SLOPE INTERCEPT (TYP.)

AP01

IH 94 WB

200+00WB

205+00WB

210+00WB

8.0"

14.0"

12.0"

4.0"

2.0"

IH 94 WB R/L

CP01

BA01

2.0"

4.0"

12.0"

14.0"

8.0"

200+00EB

205+00EB

IH 94 EB R/L

210+00EB

IH 94 EB

AP01

LEGEND

AP01	HMA PAVEMENT, 4-INCH
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL
	ANTICIPATED CONCRETE JOINTING
	TRAFFIC FLOW
	SLOPE INTERCEPT

2

CTH G

+00.0WB
96.4' LT

SLOPE INTERCEPT (TYP.)

+70.2WB
96.7' LT

SIGN

AP01

SIGN

IH 94 WB

215+00WB

220+00WB

225+00WB

IH 94 WB R/L

8.0"

14.0"

12.0"

4.0"

2.0"

BA01

CP01

MATCH LINE STA. 214+00.00 EB

MATCH LINE STA. 229+00.00 EB

IH 94 EB R/L

215+00EB

220+00EB

225+00EB

2.0"

4.0"

12.0"

14.0"

8.0"

IH 94 EB

SIGN

AP01

+29.2EB
95.8' RT

+86.9EB
96.3' RT

+39.3EB
302.1' RT

+28.2EB
314.3' RT

LEGEND

AP01 HMA PAVEMENT, 4-INCH

BA01 BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)

CP01 CONCRETE PAVEMENT 12-INCH SPECIAL

ANTICIPATED CONCRETE JOINTING

TRAFFIC FLOW

SLOPE INTERCEPT

FENCE WOVEN WIRE, 4-FT

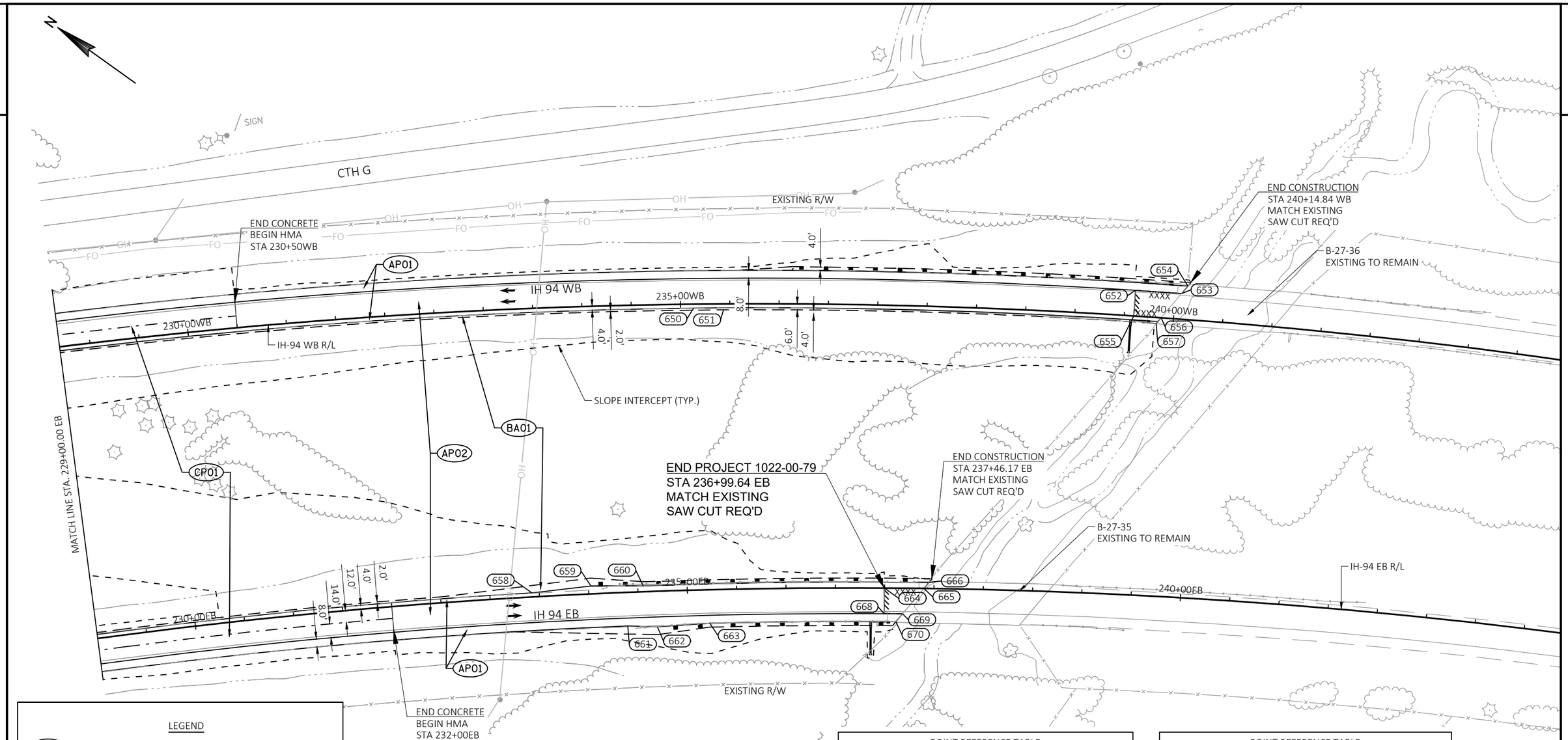
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN DETAILS	SHEET 38	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PD.DWG
LAYOUT NAME - 214+00 - 229+00

PLOT DATE : 10/31/2018 7:44 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



LEGEND

AP01	HMA PAVEMENT, 4-INCH
AP02	HMA PAVEMENT, 12-INCH
BA01	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH (SHOULDERS)
CP01	CONCRETE PAVEMENT 12-INCH SPECIAL
XXXX	SAWING ASPHALT
XX	LAYOUT POINT NUMBER
	ANTICIPATED CONCRETE JOINTING
	TRAFFIC FLOW
	SLOPE INTERCEPT

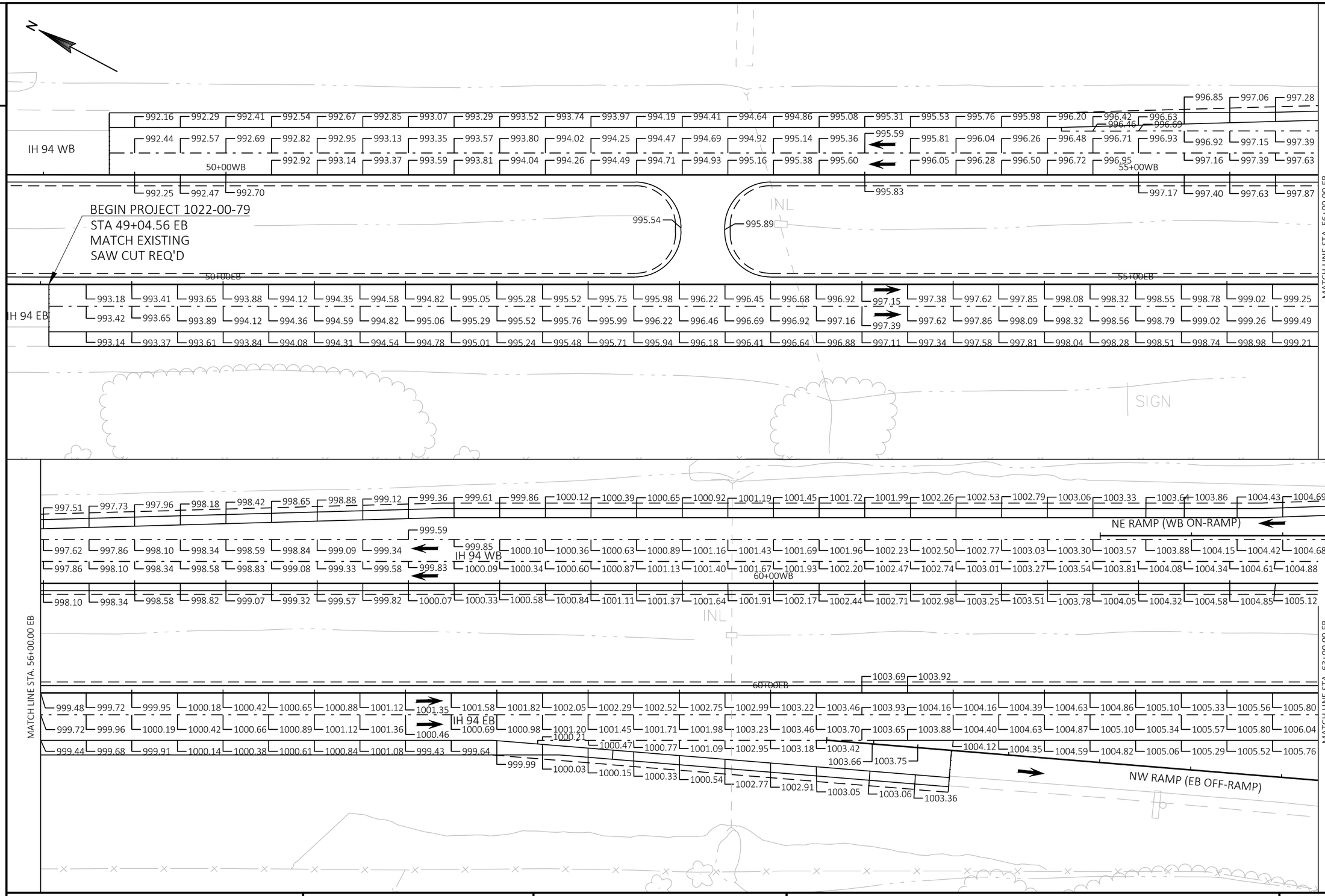
POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
650	235+13.48'WB'	4.00' RT	???	BEGIN 15:1 TAPER
651	235+43.50'WB'	6.00' RT	???	END 15:1 TAPER
652	239+59.76'WB'	26.00' LT	???	MATCH EXISTING
653	240+06.39'WB'	26.00' LT	???	MATCH EXISTING
654	240+12.19'WB'	34.00' LT	???	MATCH EXISTING
655	239+59.76'WB'	0.00'	???	MATCH EXISTING
656	239+87.39'WB'	0.00'	???	MATCH EXISTING
657	239+82.95'WB'	6.04' RT	???	MATCH EXISTING
658	233+42.64'EB'	4.00' LT	1002.594	BEGIN 15:1 TAPER
659	234+02.60'EB'	8.01' LT	1002.651	END 15:1 TAPER

POINT REFERENCE TABLE

POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
660	234+55.54'EB'	6.00' LT	1002.720	---
661	234+38.28'EB'	33.95' RT	1001.136	BEGIN 15:1 TAPER
662	234+68.39'EB'	35.99' RT	1001.145	END 15:1 TAPER
663	235+21.78'EB'	34.00' RT	1001.377	---
664	236+99.64'EB'	0.00'	1003.129	MATCH EXISTING
665	237+39.89'EB'	0.00'	???	MATCH EXISTING
666	237+44.81'EB'	6.00' LT	???	MATCH EXISTING
668	236+99.60'EB'	26.00' RT	???	MATCH EXISTING
669	237+18.37'EB'	26.00' RT	???	MATCH EXISTING
670	237+11.69'EB'	34.00' RT	???	MATCH EXISTING

2



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 40	E

2

2

MATCH LINE STA. 63+00.00 EB

MATCH LINE STA. 70+00.00 EB

MATCH LINE STA. 108+25.00 NE

IH 94 WB

IH 94 EB

NE RAMP (WB ON-RAMP)

NW RAMP (EB OFF-RAMP)

65+00WB

65+00EB

65+00NW

105+00NE

110+00NE

END CONSTRUCTION
STA 65+14.25 NW
MATCH EXISTING
SAW CUT REQ'D

END CONSTRUCTION
STA 111+91.61 NE
MATCH EXISTING
SAW CUT REQ'D

SIGN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 41	E

2

25+00W

25+00F

USH 10 WB

USH 10 EB

30+00E

MH

INL

SLAB

1021.71 1022.41 1023.09 1023.78 1024.47 1025.16 1025.84 1026.51 1027.14 1027.75 1028.34 1028.92 1029.49 1030.01 1030.48 1030.80

1030.92

1028.84 1029.43 1029.99

1021.59 1022.23 1022.86 1023.43 1024.03 1024.13 1024.82 1025.50 1026.17 1026.80 1027.40 1028.01

1022.31 1022.99 1023.68 1024.37 1025.06 1025.74 1026.41 1027.04 1027.65 1028.24

1029.87

1029.38

1030.43

H.P.= 1031.06

1031.10

1031.05

1022.20 1022.85 1023.47 1024.10 1024.75 1025.44 1026.12 1026.79

1029.87

1028.61

1030.38

H.P.= 1031.13

1029.22

1030.75

1030.94

1029.79

1030.94

1030.97

H.P.= 1030.94

1030.24

1030.58

1030.75

1030.69

1030.77

1030.84

1030.72

1030.48

H.P.= 1030.89

1030.84

1030.67

1030.38

1030.22

1029.98

1029.91

???

???

BEGIN CONSTRUCTION
STA 23+69.25 E
MATCH EXISTING
SAW CUT REQ'D

SEE "CONSTRUCTION DETAIL - CURB RAMPS" FOR CURB RAMP INFORMATION

SW RAMP (EB ON-RAMP)

MATCH LINE STA. 31+00.00 E

N

*NOTE: REFER TO "PAVING DETAILS " FOR DETAILS ON IH 94 MAINLINE

1031.38

1031.59

1031.35

1031.55

1032.31

1032.33

1033.04

1033.60

1033.03

1033.75

NE RAMP (WB ON-RAMP)

1034.01

1034.30

1034.64

1035.08

H.P.= 1034.78

1034.66

H.P.= 1035.16

1034.75

1034.61

1034.65

1034.46

1034.35

1034.24

1034.11

1034.01

1033.93

1033.84

1033.73

1033.66

1033.64

1033.61

1033.57

1034.97

1034.95

1034.10

1033.65

115+00NE

1034.85 1034.70 1034.59 1034.48 1034.35 1034.25 1034.17 1034.08 1033.97 1033.90 1033.85 1033.77 1033.66 1033.60

END CONSTRUCTION
STA 37+31.77 W
MATCH EXISTING
SAW CUT REQ'D

MATCH LINE STA. 31+00.00 E

IH 94 WB

IH 94 EB

B-61-156

30+00W

75+00WB

75+00EB

USH 10 WB

USH 10 EB

35+00W

35+00E

MH

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS - USH 10	SHEET	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - USH 10
PLOT DATE : 10/31/2018 7:48 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

N

IH 94 WB

IH 94 EB

USH 10 WB

USH 10 EB

1011.25 1011.41 1011.56 1011.71 1011.85 1011.99 1012.12 1012.25 1012.37 1012.49 1012.60 1012.71 1012.81 1012.91 1013.00 1013.09 1013.17 1013.25 1013.32 1013.39 1013.45 1013.51 1013.56 1013.60 1013.65 1013.68 1013.71 1013.74

1011.53 1011.69 1011.84 1011.99 1012.13 1012.27 1012.40 1012.53 1012.65 1012.77 1012.88 1012.99 1013.09 1013.19 1013.28 1013.37 1013.45 1013.53 1013.60 1013.67 1013.73 1013.79 1013.84 1013.88 1013.93 1013.96 1013.99 1014.02

00WB 1011.93 1012.08 1012.23 1012.37 1012.51 1012.64 1012.77 1012.89 1013.01 1013.12 1013.23 1013.33 1013.43 1013.52 1013.61 1013.69 1013.77 1013.84 1013.91 75+00WB 1014.03 1014.08 1014.12 1014.17 1014.20 1014.23 1014.26

1011.77

1013.97

B-61-156

30+00W

00EB

75+00EB

1013.58

H.P.= 1013.58

1013.58

1011.90 1012.04 1012.17 1012.30 1012.42 1012.54 1012.64 1012.75 1012.85 1012.94 1013.02 1013.10 1013.17 1013.24 1013.30 1013.36 1013.41 1013.45 1013.49 1013.52 1013.54 1013.56 1013.58 H.P.= 1013.82 1013.58 1013.57 1013.55

1012.14 1012.28 1012.41 1012.54 1012.66 1012.78 1012.88 1012.99 1013.09 1013.18 1013.26 1013.34 1013.41 1013.48 1013.54 1013.60 1013.65 1013.69 1013.73 1013.76 1013.78 1013.80 1013.82 1013.82 1013.82 1013.82 1013.81 1013.79

1011.86 1012.00 1012.13 1012.26 1012.38 1012.50 1012.60 1012.71 1012.81 1012.90 1012.98 1013.06 1013.13 1013.20 1013.26 1013.32 1013.37 1013.41 1013.45 1013.48 1013.50 1013.52 1013.54 1013.54 1013.54 1013.53 1013.51

1013.54

H.P.= 1013.55

MATCH LINE STA. 70+00.00 EB

MATCH LINE STA. 77+00.00 EB

RIPRAP

INL

INL

INL

MH

MH

MH

30+00E

70+00NW

*NOTE: REFER TO "PAVING DETAILS - USH 10" FOR DETAILS ON USH 10

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 43	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 70+00-77+00

PLOT DATE : 10/31/2018 7:48 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

2

N

RIPRAP

125+00SE

SE RAMP (WB OFF-RAMP)

1013.79 H.P.= 1013.79

1013.76 1013.78 1013.79 1013.79 1013.79 1013.78 1013.77 1013.75 1013.72 1013.69 1013.66 1013.62 1013.57 1013.52 1013.47 1013.41 1013.34 1013.27 1013.19 1013.11 1013.03 1012.94 1012.84 1012.74 1012.63 1012.52 1012.41

1014.04 1014.06 1014.07 1014.07 1014.07 1014.07 1014.06 1014.05 1014.03 1014.00 1013.97 1013.94 1013.90 1013.85 1013.80 1013.75 1013.69 1013.62 1013.55 1013.47 1013.39 1013.31 1013.22 1013.12 1013.02 1012.91 1012.80 1012.69

IH 94 WB

1014.28 1014.30 1014.31 H.P.= 1014.07 1014.31 1014.30 1014.29 1014.27 1014.24 1014.21 1014.18 80+00WB 1014.09 1014.04 1013.99 1013.93 1013.86 1013.79 1013.71 1013.63 1013.55 1013.46 1013.36 1013.26 1013.15 1013.04 1012.93

1014.31 1014.31 H.P.= 1014.31 1014.14

MATCH LINE STA. 77+00.00 EB

80+00EB

1013.53 1013.50 1013.46 1013.42 1013.38 1013.32 1013.26 1013.20 1013.13 1013.05 1012.97 1012.88 1012.78 1012.68 1012.57 1012.46 1012.34 1012.22 1012.09 1011.95 1011.81 1011.66 1011.50 1011.34 1011.17 1011.00 1010.82 1010.63

1013.77 1013.74 1013.70 1013.66 1013.62 1013.56 1013.50 1013.44 1013.37 1013.29 IH 94 EB 1013.21 1013.12 1013.02 1012.92 1012.81 1012.70 1012.58 1012.46 1012.33 1012.19 1012.05 1011.90 1011.74 1011.58 1011.41 1011.24 1011.06 1010.87

1013.49 1013.46 1013.42 1013.38 1013.34 1013.28 1013.22 1013.16 1013.09 1013.01 1012.93 1012.84 1012.74 1012.64 1012.53 1012.42 1012.30 1012.18 1012.05 1011.91 1011.77 1011.62 1011.46 1011.30 1011.13 1010.96 1010.78 1010.59

INL

1012.75 85+00SW 1011.98 1011.66 1011.37 1011.13 1010.92 1010.76 1010.60 1010.45

1012.35 1011.85 1011.45 1011.08 1010.76 1010.47 1010.23 1010.02 1009.86 1009.70 1009.55

1012.30 1012.78 1013.30 1013.86 1014.46 1015.11 1015.79 1016.55 1017.44 1018.45 1019.47

1013.20 1013.68 1014.20 1014.76 1015.36 1016.01 1016.69 1017.41 1018.16 1018.94 1019.71

SW RAMP (EB ON-RAMP)

00SW

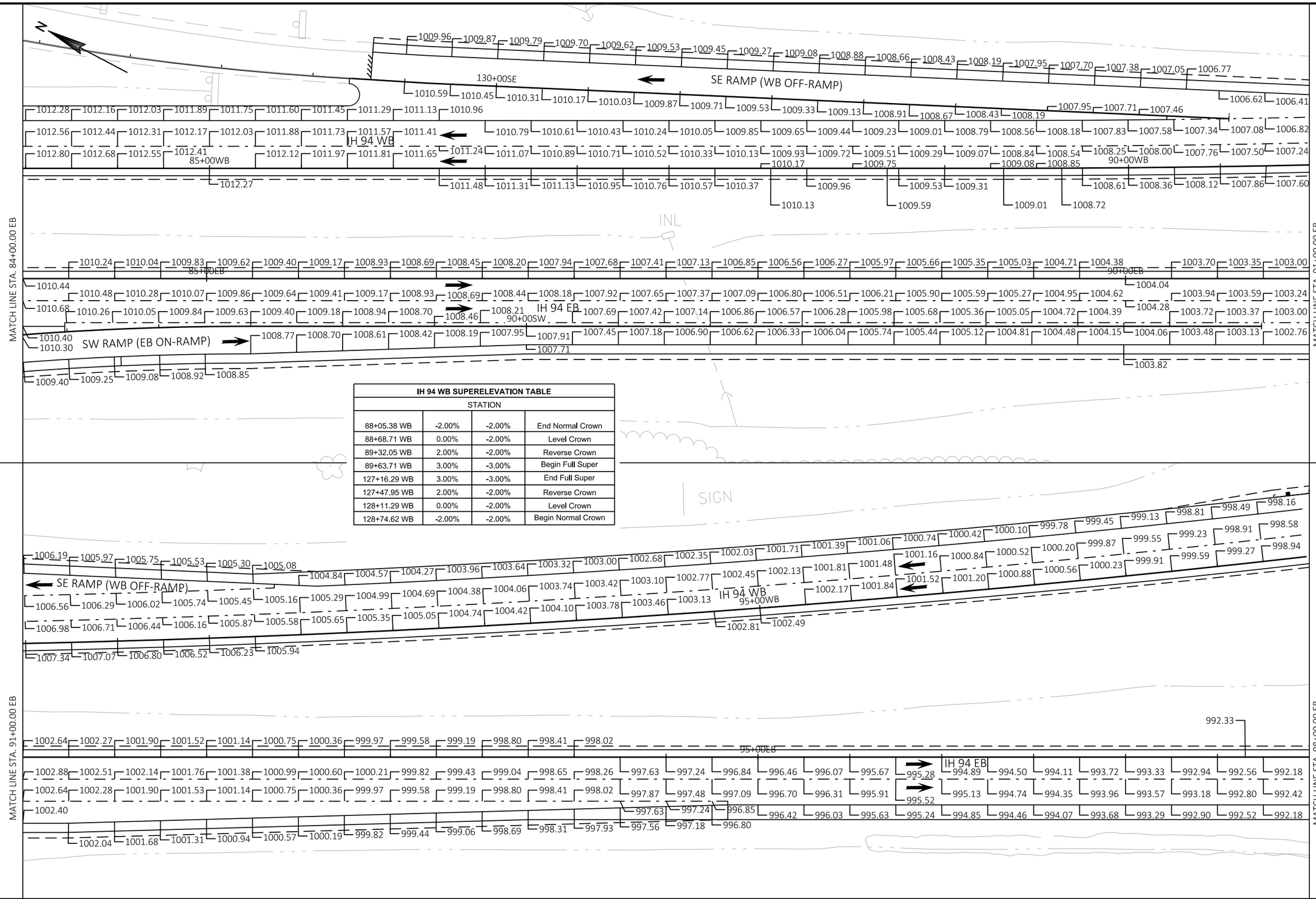
MATCH LINE STA. 84+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 44	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 77+00-84+00

PLOT DATE : 10/31/2018 7:48 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



IH 94 WB SUPERELEVATION TABLE

STATION			
88+05.38 WB	-2.00%	-2.00%	End Normal Crown
88+68.71 WB	0.00%	-2.00%	Level Crown
89+32.05 WB	2.00%	-2.00%	Reverse Crown
89+63.71 WB	3.00%	-3.00%	Begin Full Super
127+16.29 WB	3.00%	-3.00%	End Full Super
127+47.95 WB	2.00%	-2.00%	Reverse Crown
128+11.29 WB	0.00%	-2.00%	Level Crown
128+74.62 WB	-2.00%	-2.00%	Begin Normal Crown

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 45	E

2

N

SIGN

997.84 997.52 997.20 996.87 996.55 996.23 995.91 995.58 995.26 994.94 994.62 994.29 993.97 993.65 993.33 993.01 992.68 992.36 992.02 991.72 991.39 991.07 990.75 990.43 990.10 989.78 989.46 989.14

998.26 997.94 997.62 997.29 996.97 996.65 996.33 996.00 995.68 995.36 995.04 994.71 994.39 994.07 993.75 993.43 993.10 992.78 992.46 992.14 991.81 991.49 991.17 990.85 990.52 990.20 989.88 989.56

998.62 998.30 997.98 997.65 997.33 997.01 996.69 996.36 995.72 995.40 995.07 994.75 994.43 994.11 993.79 993.46 993.14 992.82 992.50 992.17 991.85 991.53 991.21 990.88 990.56 990.24 989.92

IH 94 WB

100+00WB

989.55

986.98

984.42

MAINTENANCE CROSSOVER

989.55

986.98

984.42

MATCH LINE STA. 98+00.00 EB

991.40 990.51 990.28 989.75

991.81 991.45 991.09 990.74 990.40 990.06 989.73 989.41 989.09 988.78 988.48 988.19 987.90 987.62 987.34

992.05 991.69 991.33 990.98 990.67 990.43 990.19 989.86 989.55 989.24 988.94 988.64 988.36 988.07 987.80

991.92 991.67 991.42 991.19 990.99 990.86 990.72 990.40 990.08 989.77 989.47 989.18 988.89 988.61 988.33

100+00EB

IH 94 EB

987.08 986.82 986.56 986.32 986.08 985.84 985.62 985.40 985.19 984.98 984.78 984.59 984.41

987.53 987.27 987.02 986.77 986.53 986.30 986.07 985.85 985.64 985.44 985.24 985.05 984.86

988.06 987.80 987.55 987.30 987.06 986.83 986.61 986.39 986.17 985.97 985.77 985.58 985.39

105+00.00 EB

MATCH LINE STA. 105+00.00 EB

RIPRAP

SIGN

IH 94 EB SUPERELEVATION TABLE

STATION			
97+65.14 EB	-2.00%	-2.00%	End Normal Crown
98+28.29 EB	0.00%	-2.00%	Level Crown
98+91.45 EB	2.00%	-2.00%	Reverse Crown
99+48.29 EB	3.80%	-3.80%	Begin Full Super
124+66.63 EB	3.80%	-3.80%	End Full Super
125+23.47 EB	2.00%	-2.00%	Reverse Crown
125+86.63 EB	0.00%	-2.00%	Level Crown
126+49.78 EB	-2.00%	-2.00%	Begin Normal Crown

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 46	E

2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 47	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 105+00-112+00
PLOT DATE : 10/31/2018 7:50 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########

2

N

982.29 982.16 982.04 981.93 981.82 981.73 981.64 981.56 981.49 981.43 981.37 981.32 981.29 981.26 981.23 981.22 981.22 981.22 981.23 981.25 981.28 981.31 981.36 981.41 981.47 981.54

982.71 982.58 982.46 982.35 982.24 982.15 982.06 981.98 981.91 981.85 981.79 981.74 981.71 981.68 981.65 981.64 L.P.= 981.22 981.65 981.67 981.70 981.73 981.78 981.83 981.89 981.96

983.07 982.94 982.82 982.71 982.60 982.51 982.42 982.34 982.27 982.21 982.15 982.10 IH 94 WB 115+00WB 982.01 982.00 981.64 981.64 L.P.= 982.00 982.01 982.03 982.06 982.09 982.14 982.19 982.25 982.32

982.07 982.04 982.00 982.00

MATCH LINE STA. 112+00.00 EB

MATCH LINE STA. 119+00.00 EB

115+00EB

982.04 982.06 982.09 982.13 982.17 982.22 982.27 982.32 982.37 982.42 982.47 982.52 982.57 982.62 982.67 IH 94 EB 982.72 982.77 982.82 982.87 982.92 982.97 983.02 983.07 983.12 983.17 983.22 983.27 983.32

982.50 982.52 982.55 982.58 982.63 982.68 982.73 982.78 982.83 982.88 982.93 982.98 983.03 983.08 983.13 983.18 983.23 983.28 983.33 983.38 983.43 983.48 983.53 983.58 983.63 983.68 983.73 983.78

983.03 983.05 983.08 983.12 983.16 983.21 983.26 983.31 983.36 983.41 983.46 983.51 983.56 983.61 983.66 983.71 983.76 983.81 983.86 983.91 983.96 984.01 984.06 984.11 984.16 984.21 984.26 984.31

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 48	E

2

N

981.62 981.70 981.80 981.90 982.01 982.13 982.25 982.37 982.49 982.62 982.74 982.86 982.98 983.10 983.23 983.35 983.47 983.59 983.72 983.84 983.96 984.08 984.21 984.33 984.45 984.57 984.70

982.04 982.12 982.22 982.32 982.43 982.55 982.67 982.79 982.91 983.04 983.16 983.28 983.40 983.52 983.65 983.77 983.89 984.01 984.14 984.26 984.38 984.50 984.63 984.75 984.87 984.99 985.12

982.40 982.48 982.58 982.68 982.79 982.91 IH 94 WB 120+00WB 983.27 983.40 983.52 983.64 983.76 983.88 984.01 984.13 984.25 984.37 984.50 984.62 984.74 984.86 984.99 985.11 985.23 985.35 985.48 125+

983.03 983.15

MATCH LINE STA. 119+00.00 EB

MATCH LINE STA. 126+00.00 EB

120+00EB

125+00EB

983.37 983.42 983.47 983.52 983.57 983.62 983.67 983.72 983.77 983.82 983.87 983.92 983.97 IH 94 EB 984.02 984.07 984.12 984.17 984.22 984.27 984.32 984.37 984.42 984.47 984.52 984.57 984.62 984.67 984.72

983.83 983.88 983.93 983.98 984.03 984.08 984.13 984.18 984.23 984.28 984.33 984.38 984.43 984.48 984.53 984.58 984.63 984.68 984.73 984.78 984.83 984.88 984.93 984.94 984.90 984.86 984.91 984.96

984.36 984.41 984.46 984.51 984.56 984.61 984.66 984.71 984.76 984.81 984.86 984.91 984.96 985.01 985.06 985.11 985.16 985.21 985.26 985.31 985.36 985.41 985.46 985.44 985.28 985.13 985.07 985.01

984.50 984.61 984.74

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 49	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 119+00-126+00

PLOT DATE : 10/31/2018 7:51 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

N

984.82 984.94 985.06 985.19 985.31 985.43 985.55 985.68 985.80 985.99 986.30 986.43 986.55 986.67 986.79 986.92 987.04 987.16 987.28 987.40 987.53 987.65 987.77 987.89 988.02 988.14 988.26 988.38

985.24 985.36 985.48 985.61 985.73 985.85 985.97 986.10 986.22 986.37 986.58 986.71 986.83 986.95 987.07 987.20 987.32 987.44 987.56 987.68 987.81 987.93 988.05 988.17 988.30 988.42 988.54 988.66

-00WB 985.72 985.84 985.97 986.09 986.21 986.33 986.46 986.58 986.70 986.82 986.95 987.07 987.19 987.31 987.44 987.56 987.68 987.80 130+00WB 988.17 988.29 988.41 988.54 988.66 988.78 988.90

985.60 986.66 986.81 987.12 987.43 987.92 988.05

IH 94 WB

MATCH LINE STA. 126+00.00 EB

MATCH LINE STA. 133+00.00 EB

984.87

130+00EB

984.77 984.82 984.87 984.92 984.97 985.02 985.07 985.12 985.17 985.22 985.27 985.32 985.37 985.42 985.47 985.52 985.57 985.62 985.72 985.77 985.82 985.87 985.92 985.97 986.02 986.07 986.12

985.01 985.06 985.11 985.16 985.21 985.26 985.31 985.36 985.41 985.46 985.51 985.56 985.61 985.66 985.71 985.76 985.81 985.86 985.96 986.01 986.06 986.11 986.16 986.21 986.26 986.31 986.36

984.95 984.89 984.83 984.88 984.93 984.98 985.03 985.08 985.13 985.18 985.23 985.28 985.33 985.38 985.43 985.48 985.53 985.58 985.68 985.73 985.78 985.83 985.88 985.93 985.98 986.03 986.08

IH 94 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 126+00-133+00

PLOT DATE : 10/31/2018 7:51 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

N

988.51 988.63 988.75 988.87 989.00 989.12 989.24 989.36 989.49 989.61 989.73 989.85 989.98 990.10 990.22 990.34 990.47 990.59 990.71 990.83 990.95 991.07 991.19 991.31 991.42 991.53 991.64 991.75

988.79 988.91 989.03 989.15 989.28 989.40 989.52 989.64 989.77 989.89 990.01 990.13 990.26 990.38 990.50 990.62 990.74 990.86 990.99 991.11 991.23 991.35 991.47 991.59 991.70 991.81 991.92 992.03

989.03 989.15 989.27 989.39 989.52 989.64 989.76 989.88 990.01 990.13 990.25 990.37 990.50 990.62 990.75 990.87 990.99 991.11 991.23 991.35 991.47 991.59 991.71 991.83 991.94 992.05 992.16 992.27

IH 94 WB

135+00WB

MATCH LINE STA. 133+00.00 EB

MATCH LINE STA. 140+00.00 EB

135+00EB

140+

986.17 986.22 986.27 986.32 986.37 986.42 986.47 986.52 986.57 986.62 986.67 986.72 986.77 986.82 986.87 986.92 986.97 987.02 987.07 987.12 987.17 987.22 987.26 987.31 987.36 987.40 987.45 987.49

986.41 986.46 986.51 986.56 986.61 986.66 986.71 986.76 986.81 986.86 986.91 986.96 987.01 987.06 987.11 987.16 987.21 987.26 987.31 987.36 987.41 987.46 987.50 987.55 987.60 987.64 987.69 987.73

986.13 986.18 986.23 986.28 986.33 986.38 986.43 986.48 986.53 986.58 986.63 986.68 986.73 986.78 986.83 986.88 986.93 986.98 987.03 987.08 987.13 987.18 987.22 987.27 987.32 987.36 987.41 987.45

IH 94 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 51	E

2

N

SIGN

991.86 991.96 992.06 992.16 992.26 992.36 992.45 992.55 992.64 992.73 992.81 992.90 993.16 993.44 993.73 994.01 994.30 994.41 994.48 994.55 994.62 994.68 994.75 994.81 994.87 994.93 994.99 995.04

992.14 992.24 992.34 992.44 992.54 992.64 992.73 992.83 992.92 993.01 993.09 993.18 993.34 993.52 993.69 993.87 994.04 994.13 994.20 994.27 994.34 994.40 994.47 994.53 994.59 994.65 994.71 994.76

992.38 992.48 992.58 140+00WB 992.88 992.97 993.07 993.16 993.25 993.33 993.42 993.50 993.58 993.66 993.74 993.82 993.89 993.96 994.03 994.10 994.16 994.23 IH 94 WB 145+00WB 994.41 994.47 994.52

992.68 992.78 993.43 993.64 993.77 993.83 994.29 994.35

IH 94 WB SUPERELEVATION TABLE			
STATION			
141+78.83 WB	-2.00%	-2.00%	End Normal Crown
142+41.83 WB	-2.00%	0.00%	Level Crown
143+04.83 WB	-2.00%	2.00%	Reverse Crown
143+04.83 WB	-2.00%	2.00%	Begin Full Super
169+63.01 WB	-2.00%	2.00%	End Full Super
169+63.01 WB	-2.00%	2.00%	Reverse Crown
170+26.01 WB	-2.00%	0.00%	Level Crown
170+89.01 WB	-2.00%	-2.00%	Begin Normal Crown

MATCH LINE STA. 140+00.00 EB

MATCH LINE STA. 147+00.00 EB

00EB 145+00EB

987.54 987.58 987.63 987.67 987.71 987.76 987.80 987.84 987.88 987.92 987.96 988.00 988.04 IH 94 EB 988.08 988.12 988.15 988.19 988.23 988.26 988.30 988.33 988.37 988.40 988.44 988.47 988.50 988.53 988.57

987.78 987.82 987.87 987.91 987.95 988.00 988.04 988.08 988.12 988.16 988.20 988.24 988.28 988.32 988.36 988.39 988.43 988.47 988.50 988.54 988.57 988.61 988.64 988.68 988.71 988.74 988.77 988.81

987.50 987.54 987.59 987.63 987.67 987.72 987.76 987.80 987.84 987.88 987.92 987.96 988.00 988.04 988.08 988.11 988.15 988.19 988.22 988.26 988.29 988.33 988.36 988.40 988.43 988.46 988.49 988.53

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 52	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 140+00-147+00
PLOT DATE : 10/31/2018 7:52 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

995.09 995.14 995.19 995.24 995.28 995.33 995.37 995.41 995.44 995.48 995.51 995.54 995.57 995.60 995.63 995.65 995.67 995.69 995.71 995.73 995.74 995.75 995.76 995.77 995.78 H.P.= 995.79

994.81 994.86 994.91 994.96 995.00 995.05 995.09 995.13 995.16 995.20 995.23 995.26 995.29 995.32 995.35 995.37 995.39 995.41 995.43 995.45 995.46 995.47 995.48 995.49 995.50 995.78 995.79 995.79

994.57 994.62 994.67 994.72 994.76 994.81 994.85 994.89 994.92 994.96 994.99 995.02 995.05 995.08 995.11 995.17 995.19 995.21 995.22 995.23 995.24 995.25 995.26 995.50 995.51 H.P.= 995.51

995.13 995.15 995.26 995.27 995.27 H.P.= 995.27

IH 94 WB
150+00WB

N

MATCH LINE STA. 147+00.00 EB

MATCH LINE STA. 154+00.00 EB

IH 94 EB SUPERELEVATION TABLE			
STATION			
152+11.59 EB	-2.00%	-2.00%	End Normal Crown
152+74.59 EB	-2.00%	0.00%	Level Crown
153+37.59 EB	-2.00%	2.00%	Reverse Crown
153+37.59 EB	-2.00%	2.00%	Begin Full Super
174+68.68 EB	-2.00%	2.00%	End Full Super
174+68.68 EB	-2.00%	2.00%	Reverse Crown
175+31.68 EB	-2.00%	0.00%	Level Crown
175+94.68 EB	-2.00%	-2.00%	Begin Normal Crown

989.13 989.19 989.24

989.12 989.14 989.17

150+00EB

IH 94 EB

988.60 988.63 988.66 988.69 988.72 988.75 988.78 988.80 988.83 988.86 988.88 988.91 988.94 988.96 988.99 989.01 989.03 989.06 989.08 989.10 H.P.= 989.36 989.19 989.21 989.23 989.25 989.27

988.84 988.87 988.90 988.93 988.96 988.99 989.02 989.04 989.07 989.10 989.12 989.15 989.18 989.20 989.23 989.25 989.27 989.30 989.32 989.34 989.36 989.33 989.26 989.19 989.11 989.04 989.01 989.03

988.56 988.59 988.62 988.65 988.68 988.71 988.74 988.76 988.79 988.82 988.84 988.87 988.90 988.92 988.95 988.97 988.99 989.02 989.04 989.06 989.08 H.P.= 989.08 989.05 988.98 988.91 988.83 988.76 988.73 988.75

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 53	E

2

995.79 995.78 995.78 995.77 995.76 995.75 995.74 995.73 995.71 995.69 995.67 995.65 995.62 995.60 995.57 995.54 995.51 995.48 995.45 995.42 995.39 995.36 995.33 995.29 995.26 995.23 995.20 995.17 995.14

995.51 995.50 995.50 995.49 995.48 995.47 995.46 995.45 995.43 995.41 995.39 995.37 995.34 995.32 995.29 995.26 995.23 995.20 995.17 995.14 995.11 995.08 995.05 995.01 994.98 994.95 994.92 994.89 994.86

995.27 995.26 995.26 995.25 995.24 995.23 995.22 IH 94 WB 995.17 995.15 995.13 995.10 995.08 995.05 995.02 994.99 994.96 994.93 994.90 994.87 994.84 994.81 994.77 994.74 994.71 994.68

155+00WB

995.21 995.19

160+00WB

994.65 994.62

N

MATCH LINE STA. 154+00.00 EB

MATCH LINE STA. 161+00.00 EB

155+00EB

160+00EB

989.29 989.31 989.34 989.36 989.38 989.40 989.42 989.44 989.46 989.48 989.51 989.53 989.56 IH 94 EB 989.58 989.61 989.64 989.67 989.71 989.74 989.78 989.82 989.86 989.90 989.94 989.98 990.03 990.07 990.12

989.05 989.07 989.10 989.12 989.14 989.16 989.18 989.20 989.22 989.24 989.27 989.29 989.32 989.34 989.37 989.40 989.43 989.47 989.50 989.54 989.58 989.62 989.66 989.70 989.74 989.79 989.83 989.88

988.77 988.79 988.82 988.84 988.86 988.88 988.90 988.92 988.94 988.96 988.99 989.01 989.04 989.06 989.09 989.12 989.15 989.19 989.22 989.26 989.30 989.34 989.38 989.42 989.46 989.51 989.55 989.60

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 54	E

2

N

995.11 995.08 995.05 995.02 994.99 994.96 994.93 994.90 994.86 994.83 994.80 994.77 994.74 994.71 994.68 994.65 994.62 994.59 994.56 994.53 994.50 994.46 994.43 994.40 994.37 994.34 994.31 994.28 994.25

994.83 994.80 994.77 994.74 994.71 994.68 994.65 994.62 994.58 994.55 994.52 994.49 994.46 994.43 994.40 994.37 994.34 994.31 994.28 994.25 994.22 994.18 994.15 994.12 994.09 994.06 994.03 994.00 993.97

994.59 994.56 994.53 994.50 994.47 994.44 994.41 994.38 994.34 994.31 994.28 994.25 994.22 994.19 994.16 994.13 994.10 994.07 993.98 993.94 993.91 993.88 993.85 993.82 993.79 993.76 993.73

IH 94 WB

165+00WB

994.04 994.01

MATCH LINE STA. 161+00.00 EB

MATCH LINE STA. 168+00.00 EB

165+00EB

IH 94 EB

990.17 990.22 990.28 990.33 990.39 990.44 990.50 990.56 990.63 990.69 990.75 990.82 990.89 990.96 991.03 991.10 991.18 991.25 991.33 991.41 991.49 991.57 991.65 991.73 991.81 991.90 991.98 992.06

989.93 989.98 990.04 990.09 990.15 990.20 990.26 990.32 990.39 990.45 990.51 990.58 990.65 990.72 990.79 990.86 990.94 991.01 991.09 991.17 991.25 991.33 991.41 991.49 991.57 991.66 991.74 991.82

989.65 989.70 989.76 989.81 989.87 989.92 989.98 990.04 990.11 990.17 990.23 990.30 990.37 990.44 990.51 990.58 990.66 990.73 990.81 990.89 990.97 991.05 991.13 991.21 991.29 991.38 991.46 991.54

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 55	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 161+00-168+00

PLOT DATE : 10/31/2018 7:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

2

N

MATCH LINE STA. 168+00.00 EB

MATCH LINE STA. 175+00.00 EB

994.22 994.19 994.16 994.13 994.10 994.07 994.03 994.00 993.97 993.84 993.61 993.37 993.14 992.92 992.79 992.78 L.P.= 992.78 992.78 992.80 992.81 992.83 992.86 992.89 992.93 992.97 993.02 993.07 993.12

993.94 993.91 993.88 993.85 993.82 993.79 993.75 993.72 993.69 993.62 993.49 993.37 993.25 993.14 993.07 993.06 992.78 992.78 L.P.= 993.06 993.06 993.08 993.09 993.11 993.14 993.17 993.21 993.25 993.30 993.35 993.40

993.70 993.67 993.64 993.61 993.58 993.55 993.51 993.48 993.45 993.42 IH 94 WB 170+00WB 993.36 993.34 993.32 993.31 993.30 993.06 993.06 L.P.= 993.30 993.30 993.30 993.32 993.33 993.35 993.38 993.41 993.45 993.49 993.54 993.59 993.64

993.44 993.41 993.39 993.36 993.31 993.30 993.30

994.33

170+00EB 175+

992.14 992.22 992.31 992.39 992.47 992.55 992.63 992.71 992.80 992.88 992.96 993.04 993.12 IH 94 EB 993.21 993.29 993.37 993.45 993.53 993.61 993.70 993.78 993.86 993.94 994.02 994.11 994.19 994.27 994.35

991.90 991.98 992.07 992.15 992.23 992.31 992.39 992.47 992.56 992.64 992.72 992.80 992.88 992.97 993.05 993.13 993.21 993.29 993.37 993.46 993.54 993.62 993.70 993.78 993.87 993.95 994.03 994.13

991.62 991.70 991.79 991.87 991.95 992.03 992.11 992.19 992.28 992.36 992.44 992.52 992.60 992.69 992.77 992.85 992.93 993.01 993.09 993.18 993.26 993.34 993.42 993.50 993.59 993.67 993.75 993.85

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 56	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 168+00-175+00

PLOT DATE : 10/31/2018 7:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 175+00.00 EB

MATCH LINE STA. 182+50.00 EB

MAINTENANCE CROSSOVER

N

993.19 993.25 993.32 993.40 993.48 993.57 993.66 993.75 993.85 993.96 994.07 994.19 994.31 994.43 994.56 994.69 994.82 994.95 995.08 995.20 995.33 995.46 995.59 995.72 995.85 995.97 996.10 996.23 996.36 996.49

993.47 993.53 993.60 993.68 993.76 993.85 993.94 994.03 994.13 994.24 994.35 994.47 994.59 994.71 994.84 994.97 995.10 995.23 995.36 995.48 995.61 995.74 995.87 996.00 996.13 996.25 996.38 996.51 996.64 996.77

175+00WB 993.84 993.92 994.00 994.09 994.18 994.27 994.37 994.48 994.59 994.71 994.83 994.95 995.08 995.21 995.34 995.47 995.60 995.72 IH 94 WB 180+00WB 996.11 996.24 996.37 996.49 996.62 996.75 996.88 997.01

993.71 993.77 995.85 995.98

995.86 995.14 994.87 995.04 995.65

995.86 995.14 994.87 995.04 995.65

994.66 994.74

90EB 180+00EB

994.43 994.51 994.60 994.68 994.76 994.84 994.92 995.01 995.09 995.17 995.25 995.33 995.41 995.50 995.58 995.66 995.74 IH 94 EB 995.82 995.91 995.99 996.07 996.15 996.23 996.31 996.40 996.48 996.56 996.64 996.72 996.81

994.31 994.49 994.67 994.84 995.00 995.08 995.16 995.25 995.33 995.41 995.49 995.57 995.65 995.74 995.82 995.90 995.98 996.06 996.15 996.23 996.31 996.39 996.47 996.55 996.64 996.72 996.80 996.88 996.96 997.05

994.03 994.21 994.39 994.56 994.72 994.80 994.88 994.97 995.05 995.13 995.21 995.29 995.37 995.46 995.54 995.62 995.70 995.78 995.87 995.95 996.03 996.11 996.19 996.27 996.36 996.44 996.52 996.60 996.68 996.77

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 57	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 175+00-182+00

PLOT DATE : 10/31/2018 7:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

N

996.36 996.49 996.62 996.75 996.87 997.00 997.13 997.26 997.39 997.52 997.64 997.77 997.90 998.03 998.16 998.29 998.41 998.54 998.67 998.80 998.93 999.06 999.18 999.31 999.43 999.55 999.66 999.77

996.64 996.77 996.90 997.03 997.15 997.28 997.41 997.54 997.67 997.80 997.92 998.05 998.18 998.31 998.44 998.57 998.69 998.82 998.95 999.08 999.21 999.34 999.46 999.59 999.71 999.83 999.94 1000.05

996.88 997.01 997.14 997.27 997.39 997.52 997.65 997.78 997.91 998.04 998.16 998.29 IH 94 WB 185+00WB 998.68 998.81 998.93 999.06 999.19 999.32 999.45 999.58 999.70 999.83 999.95 1000.07 1000.18 1000.29

998.42 998.55

995.86

995.14

994.87

995.04

995.65

MATCH LINE STA. 182+00.00 EB

MATCH LINE STA. 189+00.00 EB

185T00EB

IH 94 EB

996.72 996.81 996.89 996.97 997.05 997.13 997.21 997.30 997.38 997.46 997.54 997.62 997.71 997.79 997.87 997.95 998.03 998.11 998.20 998.28 998.36 998.44 998.52 998.61 998.69 998.77 998.85 998.93

996.96 997.05 997.13 997.21 997.29 997.37 997.45 997.54 997.62 997.70 997.78 997.86 997.95 998.03 998.11 998.19 998.27 998.35 998.44 998.52 998.60 998.68 998.76 998.85 998.93 999.01 999.09 999.17

996.68 996.77 996.85 996.93 997.01 997.09 997.17 997.26 997.34 997.42 997.50 997.58 997.67 997.75 997.83 997.91 997.99 998.07 998.16 998.24 998.32 998.40 998.48 998.57 998.65 998.73 998.81 998.89

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 182+00-189+00

PLOT DATE : 10/31/2018 7:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

N

MATCH LINE STA. 198+00.00 EB

999.88 999.99 1000.09 1000.19 1000.29 1000.39 1000.48 1000.57 1000.65 1000.73 1000.81 1000.89 1000.97 1001.04 1001.10 1001.17 1001.23 1001.29 1001.35 1001.40 1001.45 1001.50 1001.54 1001.59 1001.62 1001.66 1001.69 1001.72

1000.16 1000.27 1000.37 1000.47 1000.57 1000.67 1000.76 1000.85 1000.93 1001.01 1001.09 1001.17 1001.25 1001.32 1001.38 1001.45 1001.51 1001.57 1001.63 1001.68 1001.73 1001.78 1001.82 1001.87 1001.90 1001.94 1001.97 2002.00

1000.40 1000.51 1000.61 1000.71 IH 94 WB 1001.00 1001.09 1001.17 1001.25 1001.33 1001.41 1001.49 1001.56 1001.62 1001.69 1001.75 1001.81 1001.87 1001.92 1001.97 2002.02 2002.06 2002.11 2002.21 2002.24

190+00WB 195+00WB

1000.81 1000.91 1002.14 1002.18

MATCH LINE STA. 196+00.00 EB

~~190+00EB~~ ~~195+00EB~~

999.91 999.91

999.01 999.10 999.17 999.25 999.32 999.39 999.45 999.51 999.56 999.61 999.66 999.70 999.74 999.77 IH 94 EB 999.81 999.83 999.86 999.87 999.89 999.90 999.91 H.P.= 999.91 1000.15 1000.15 999.91 999.90 999.88 999.87 999.85

999.25 999.34 999.41 999.49 999.56 999.63 999.69 999.75 999.80 999.85 999.90 999.94 999.98 1000.01 1000.05 1000.07 1000.10 1000.11 1000.13 1000.14 1000.15 H.P.= 1000.15 1000.15 1000.14 1000.12 1000.11 1000.09

998.97 999.06 999.13 999.21 999.28 999.35 999.41 999.47 999.52 999.57 999.62 999.66 999.70 999.73 999.77 999.79 999.82 999.83 999.85 999.86 999.87 999.87 H.P.= 999.87 999.87 999.86 999.84 999.83 999.81

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 59	E

2

N

1001.75 1001.77 1001.80 1001.81 1001.83 1001.84 1001.85 1001.86 1001.86 1001.86 1001.86 1001.85 1001.85 1001.83 1001.82 1001.81 1001.80 1001.78 1001.77 1001.76 1001.75 1001.73 1001.72 1001.71 1001.70 1001.68 1001.67 1001.66

1002.03 1002.05 1002.08 1002.09 1002.11 1002.12 1002.13 1002.14 1002.14 1002.14 1002.14 1002.13 1002.13 1002.11 1002.10 1002.09 1002.08 1002.06 1002.05 1002.04 1002.03 1002.01 1002.00 1001.99 1001.98 1001.96 1001.95 1001.94

H.P.= 1001.86

H.P.= 1002.14

1002.27 1002.29 1002.32 1002.33 1002.35 1002.36 1002.37 1002.38 1002.38 1002.38 1002.38 1002.37 1002.37 1002.35 1002.34 1002.33 1002.29 1002.28 1002.27 1002.25 1002.24 1002.23 1002.22 1002.20 1002.19 1002.18

IH 94 WB
200+00WB

H.P.= 1002.38

1002.32 1002.30

MATCH LINE STA. 196+00.00 EB

MATCH LINE STA. 203+00.00 EB

200+00EB

IH 94 EB

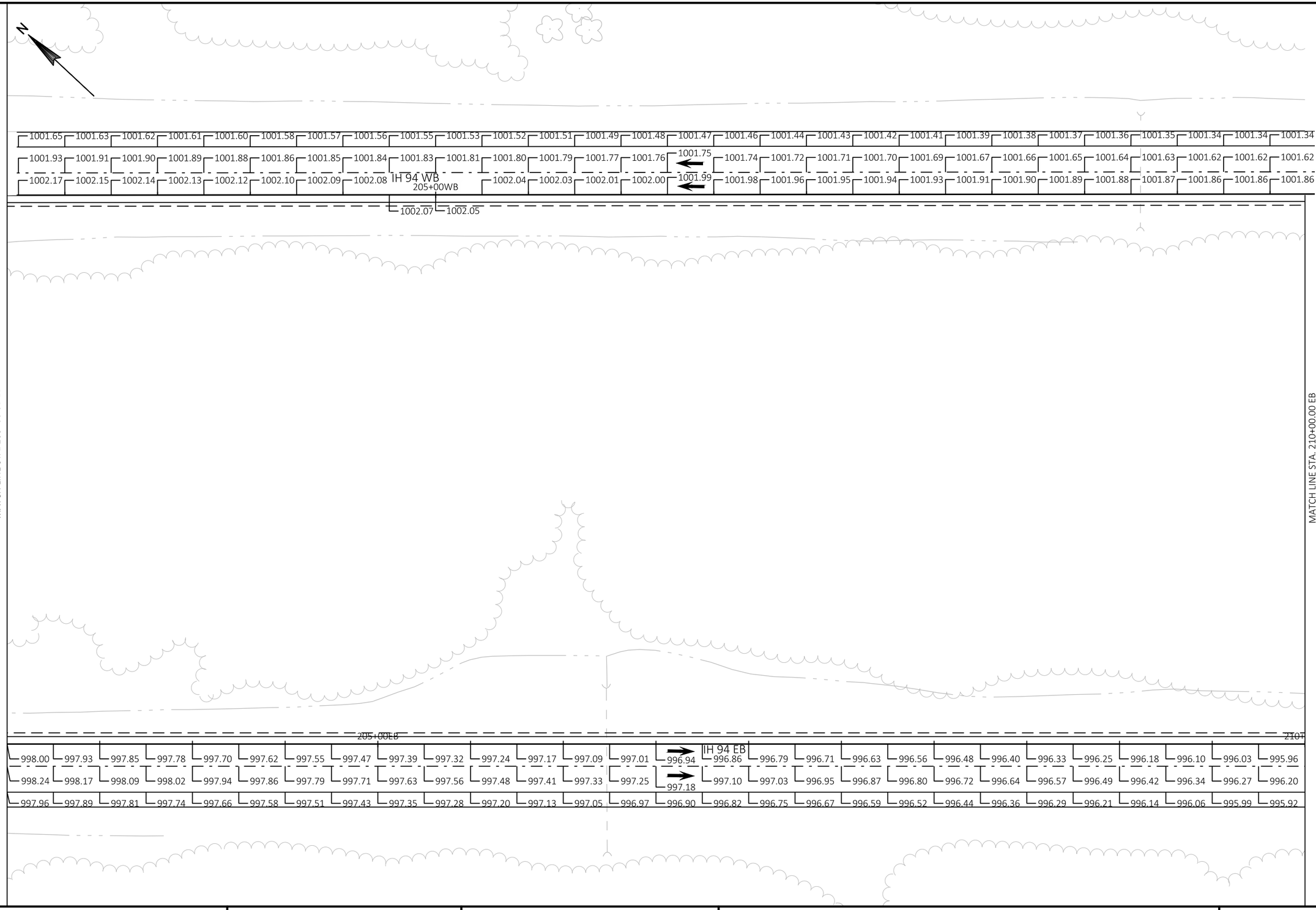
999.82 999.79 999.76 999.73 999.69 999.64 999.59 999.54 999.49 999.43 999.36 999.29 999.22 999.15 999.07 998.99 998.92 998.84 998.77 998.69 998.61 998.54 998.46 998.38 998.31 998.23 998.16 998.08

1000.06 1000.03 1000.00 999.97 999.93 999.88 999.83 999.78 999.73 999.67 999.60 999.53 999.46 999.39 999.31 999.23 999.16 999.08 999.01 998.93 998.85 998.78 998.70 998.62 998.55 998.47 998.40 998.32

999.78 999.75 999.72 999.69 999.65 999.60 999.55 999.50 999.45 999.39 999.32 999.25 999.18 999.11 999.03 998.95 998.88 998.80 998.73 998.65 998.57 998.50 998.42 998.34 998.27 998.19 998.12 998.04

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 60	E

2



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 203+00-210+00

PLOT DATE : 10/31/2018 7:55 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

2

N

MATCH LINE STA. 210+00.00 EB

MATCH LINE STA. 217+00.00 EB

1001.34 1001.35 1001.37 1001.39 1001.41 1001.44 1001.47 1001.50 1001.54 1001.58 1001.63 1001.68 1001.74 1001.80 1001.86 1001.93 1002.00 1002.07 1002.14 1002.21 1002.28 1002.35 1002.42 1002.49 1002.56 1002.63 1002.70 1002.77

1001.62 1001.63 1001.65 1001.67 1001.69 1001.72 1001.75 1001.78 1001.82 1001.86 1001.91 1001.96 1002.02 1002.08 1002.14 1002.21 1002.28 1002.35 1002.42 1002.49 1002.56 1002.63 1002.70 1002.77 1002.84 1002.91 1002.98 1003.05

210+00WB 1001.89 1001.91 1001.93 1001.96 1001.99 1002.02 1002.06 1002.10 1002.15 1002.20 1002.26 1002.32 1002.38 1002.45 1002.52 1002.59 1002.66 1002.73 IH 94 WB 215+00WB 1002.94 1003.01 1003.08 1003.15 1003.22 1003.29

1001.86 1001.87 1002.80 1002.87

00EB

995.89 995.83 995.77 995.72 995.67 995.62 995.58 995.54 995.50 995.47 995.44 995.42 995.40 995.38 995.37 995.36 995.35 995.35 995.35 215+00EB

IH 94 EB

L.P.= 995.35 995.59 995.59 995.35 995.36 995.37 995.39 995.41 995.43 995.46 995.49 995.53

996.13 996.07 996.01 995.96 995.91 995.86 995.82 995.78 995.74 995.71 995.68 995.66 995.64 995.62 995.61 995.60 995.59

L.P.= 995.59 995.59 995.60 995.61 995.63 995.65 995.67 995.70 995.73 995.77

995.85 995.79 995.73 995.68 995.63 995.58 995.54 995.50 995.46 995.43 995.40 995.38 995.36 995.34 995.33 995.32 995.31 995.31

L.P.= 995.31 995.31 995.32 995.33 995.35 995.37 995.39 995.42 995.45 995.49

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 210+00-217+00

PLOT DATE : 10/31/2018 7:55 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

SIGN

1002.84 1002.91 1002.98 1003.05 1003.12 1003.19 1003.26 1003.33 1003.40 1003.47 1003.54 1003.61 1003.68 1003.75 1003.82 1003.89 1003.96 1004.03 1004.10 1004.17 1004.24 1004.31 1004.38 1004.45 1004.52 1004.59 1004.66 1004.73

1003.12 1003.19 1003.26 1003.33 1003.40 1003.47 1003.54 1003.61 1003.68 1003.75 1003.82 1003.89 1003.96 1004.03 1004.10 1004.17 1004.24 1004.31 1004.38 1004.45 1004.52 1004.59 1004.66 1004.73 1004.80 1004.87 1004.94 1005.01

1003.36 1003.43 1003.50 1003.57 1003.64 1003.71 1003.78 1003.85 1003.92 1003.99 1004.06 1004.13 IH 94 WB 220+00WB 1004.34 1004.41 1004.48 1004.55 1004.62 1004.69 1004.76 1004.83 1004.90 1004.97 1005.04 1005.11 1005.18 1005.25

1004.20 1004.27

MATCH LINE STA. 217+00.00 EB

MATCH LINE STA. 224+00.00 EB

220+00EB

995.56 995.61 995.65 995.70 995.75 995.81 995.87 995.93 996.00 996.07 996.15 996.23 996.31 996.40 IH 94 EB 996.49 996.58 996.68 996.78 996.88 996.99 997.11 997.22 997.34 997.45 997.57 997.69 997.80 997.92

995.80 995.85 995.89 995.94 995.99 996.05 996.11 996.17 996.24 996.31 996.39 996.47 996.55 996.64 996.73 996.82 996.92 997.02 997.12 997.23 997.35 997.46 997.58 997.69 997.81 997.93 998.04 998.16

995.52 995.57 995.61 995.66 995.71 995.77 995.83 995.89 995.96 996.03 996.11 996.19 996.27 996.36 996.45 996.54 996.64 996.74 996.84 996.95 997.07 997.18 997.30 997.41 997.53 997.65 997.76 997.88

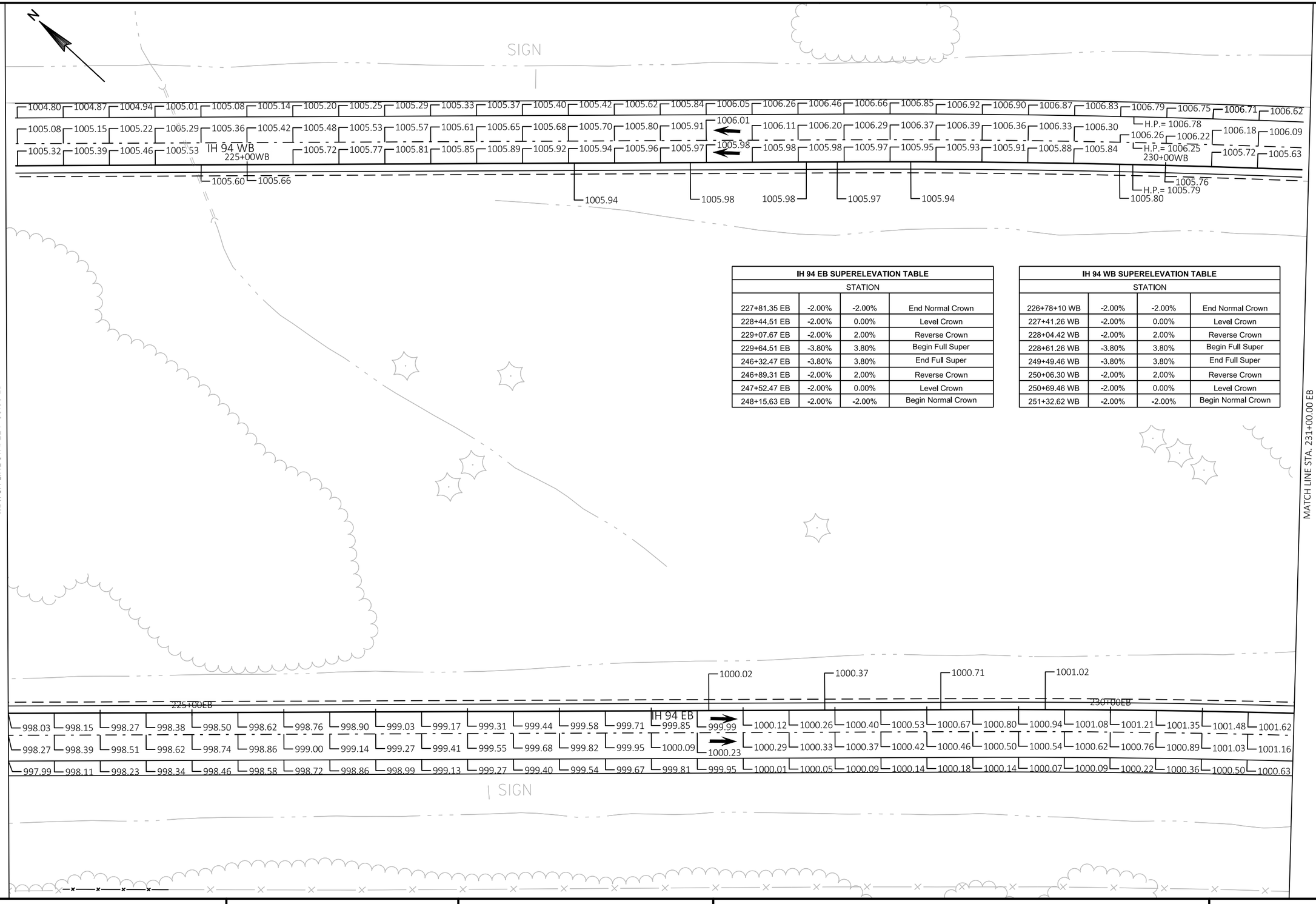
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 63	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV.DWG
LAYOUT NAME - 217+00-224+00

PLOT DATE : 10/31/2018 7:56 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



IH 94 EB SUPERELEVATION TABLE			
STATION			
227+81.35 EB	-2.00%	-2.00%	End Normal Crown
228+44.51 EB	-2.00%	0.00%	Level Crown
229+07.67 EB	-2.00%	2.00%	Reverse Crown
229+64.51 EB	-3.80%	3.80%	Begin Full Super
246+32.47 EB	-3.80%	3.80%	End Full Super
246+89.31 EB	-2.00%	2.00%	Reverse Crown
247+52.47 EB	-2.00%	0.00%	Level Crown
248+15.63 EB	-2.00%	-2.00%	Begin Normal Crown

IH 94 WB SUPERELEVATION TABLE			
STATION			
226+78+10 WB	-2.00%	-2.00%	End Normal Crown
227+41.26 WB	-2.00%	0.00%	Level Crown
228+04.42 WB	-2.00%	2.00%	Reverse Crown
228+61.26 WB	-3.80%	3.80%	Begin Full Super
249+49.46 WB	-3.80%	3.80%	End Full Super
250+06.30 WB	-2.00%	2.00%	Reverse Crown
250+69.46 WB	-2.00%	0.00%	Level Crown
251+32.62 WB	-2.00%	-2.00%	Begin Normal Crown

2

2

IH 94 WB

235+00WB

MATCH LINE STA. 238+00.00 WB

MATCH LINE STA. 231+00.00 EB

MATCH LINE STA. 238+00.00 WB

END CONSTRUCTION
STA 240+14.84 WB
MATCH EXISTING
SAW CUT REQ'D

XXXX XXXX XXXX

IH 94 WB

XXXX XXXX

240+00WB

END PROJECT 1022-00-79
STA 236+99.64 EB
MATCH EXISTING
SAW CUT REQ'D

END CONSTRUCTION
STA 237+46.17 EB
MATCH EXISTING
SAW CUT REQ'D

235+00EB

XXXX XXXX XXXX

IH 94 EB

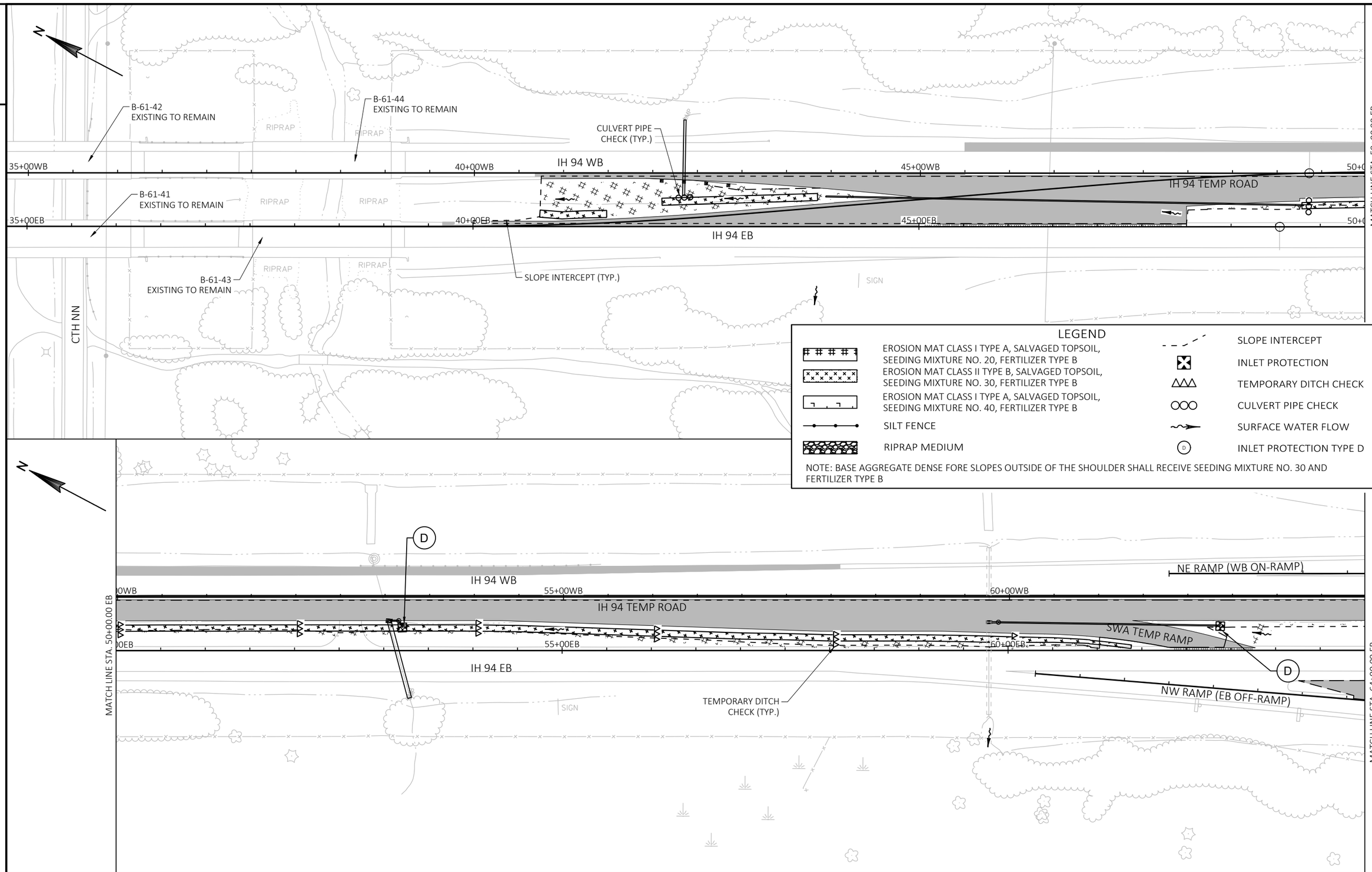
XXXX

1001.35 1001.47 1001.59 1001.71 1001.95

1000.90 1001.02 1001.14 1001.25 1001.49

1000.37 1000.48 1000.60 1000.72 1000.96

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVING DETAILS	SHEET 65	E



2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 1	SHEET 66	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 1.DWG
LAYOUT NAME - BEGIN - 64+00
PLOT DATE : 1/25/2022 8:32 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

105+00NE

110+00NE

115+00NE

NE RAMP (WB ON-RAMP)

SE RAMP (WB OFF-RAMP)

35+00E

35+00W

IH 94 WB

IH 94 TEMP ROAD

IH 94 EB

65+00WB

70+00WB

75+00WB

65+00EB

70+00EB

75+00EB

65+00NW

70+00NW

NW RAMP (EB OFF-RAMP)

CULVERT PIPE CHECK (TYP.)

B-61-156

SLOPE INTERCEPT (TYP.)

SILT FENCE (TYP.)

USH 10 WB

USH 10 EB

30+00E

30+00W

25+00W

80+00SW

SW RAMP (EB ON-RAMP)

FLAG

SIGN

INL

RIPRAP

MH

SIG. CAB.

SLAB

ITS CAMERA

LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES OUTSIDE OF THE SHOULDER SHALL RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 1	SHEET 67	E

2

2

SE RAMP (WB OFF-RAMP)

125+00SE

130+00SE

IH 94 WB

80+00WB

85+00WB

90+00WB

IH 94 TEMP ROAD

80+00EB

85+00EB

90+00EB

90+00SW

IH 94 EB

85+00SW

SW RAMP (EB ON-RAMP)

MATCH LINE STA. 79+00.00 EB

MATCH LINE STA. 94+00.00 EB

SIGN

RIPRAP

MH

SLAB

D

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- (D) INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES OUTSIDE OF THE SHOULDER SHALL RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

CULVERT PIPE DITCH CHECK (TYP.)

IH 94 WB

105+00WB

100+00WB

IH 94 TEMP ROAD

95+00WB

95+00EB

100+00EB

105+00EB

8'X16' RIP RAP MEDIUM

SILT FENCE (TYP.)

SLOPE INTERCEPT (TYP.)

EROSION MAT TREATMENT AT CULVERTS (SEE CONSTRUCTION DETAILS)

IH 94 EB

TEMPORARY DITCH CHECK (TYP.)

MATCH LINE STA. 94+00.00 EB

MATCH LINE STA. 109+00.00 EB

RIPRAP

SIGN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 1	SHEET 68	E

2

2

IH 94 WB

IH 94 TEMP ROAD

110+00WB

115+00WB

120+00WB

MATCH LINE STA. 109+00.00 EB

11'X22'
RIP RAP MEDIUM

14'X12'
RIP RAP MEDIUM

SILT FENCE (TYP.)

SLOPE INTERCEPT (TYP.)

110+00EB

115+00EB

120+00EB

IH 94 EB

MATCH LINE STA. 124+00.00 EB

LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES OUTSIDE OF THE SHOULDER SHALL RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

SIGN

IH 94 WB

IH 94 TEMP ROAD

125+00WB

130+00WB

135+00WB

MATCH LINE STA. 124+00.00 EB

CULVERT PIPE
CHECK (TYP.)

TEMPORARY DITCH
CHECK (TYP.)

MATCH LINE STA. 139+00.00 EB

125+00EB

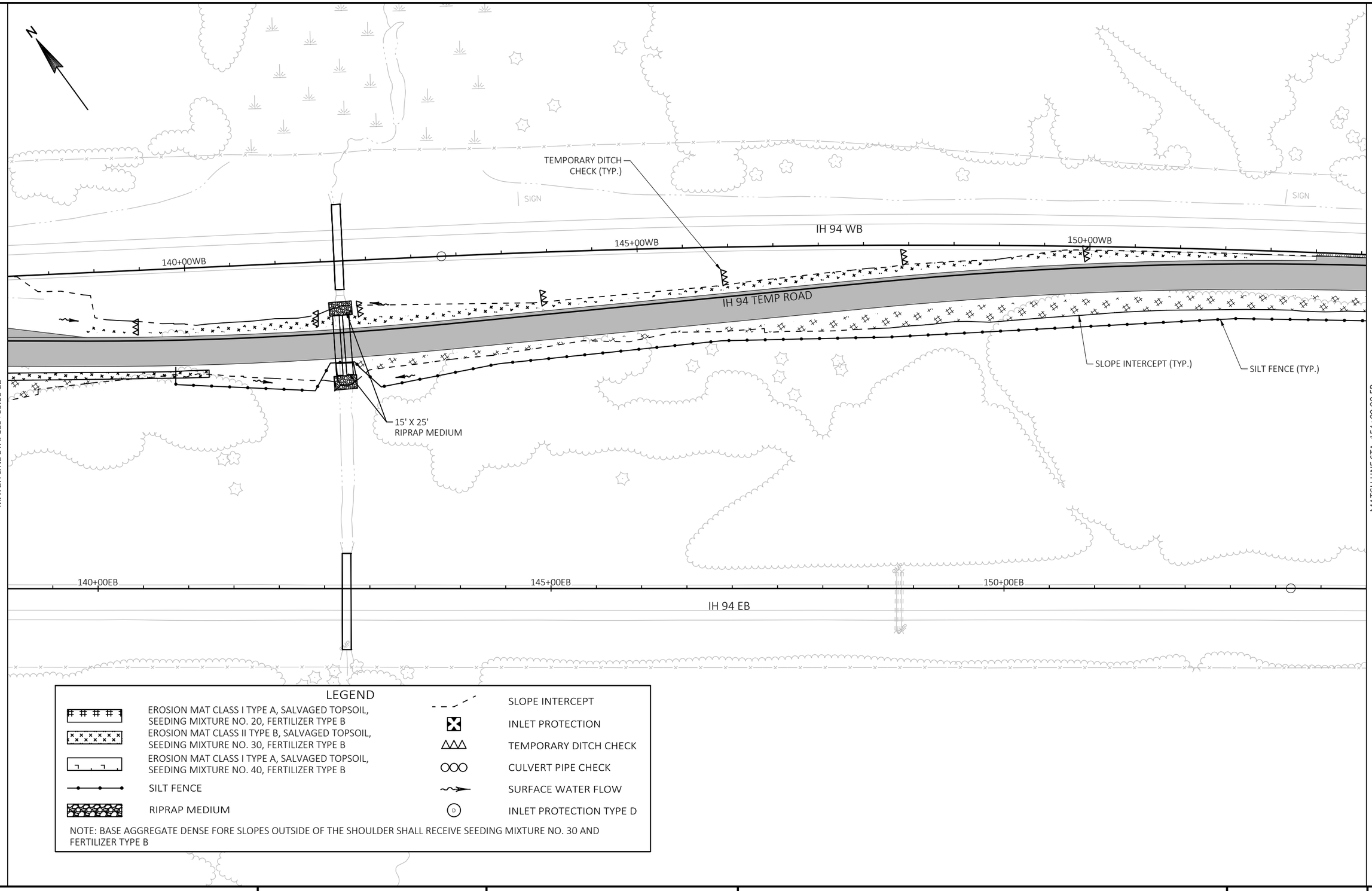
130+00EB

135+00EB

IH 94 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 1	SHEET 69	E

2



LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES OUTSIDE OF THE SHOULDER SHALL RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

2

2

N

155+00WB

160+00WB

IH 94 WB

IH 94 TEMP ROAD

165+00WB

12'X10'
RIP RAP MEDIUM

SLOPE INTERCEPT (TYP.)

20'X18'
RIP RAP MEDIUM

SILT FENCE (TYP.)

MATCH LINE STA. 154+00.00 EB

MATCH LINE STA. 169+00.00 EB

155+00EB

160+00EB

165+00EB

IH 94 EB

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES OUTSIDE OF THE SHOULDER SHALL RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 1	SHEET 71	E

2

2

MATCH LINE STA. 169+00.00 EB

MATCH LINE STA. 184+00.00 EB

170+00WB

175+00WB

180+00WB

IH 94 WB

IH 94 TEMP ROAD

SLOPE INTERCEPT (TYP.)

SILT FENCE (TYP.)

9'X18'
RIP RAP MEDIUM

EROSION MAT TREATMENT AT CULVERTS
(SEE CONSTRUCTION DETAILS)

170+00EB

175+00EB

180+00EB

IH 94 EB

LEGEND

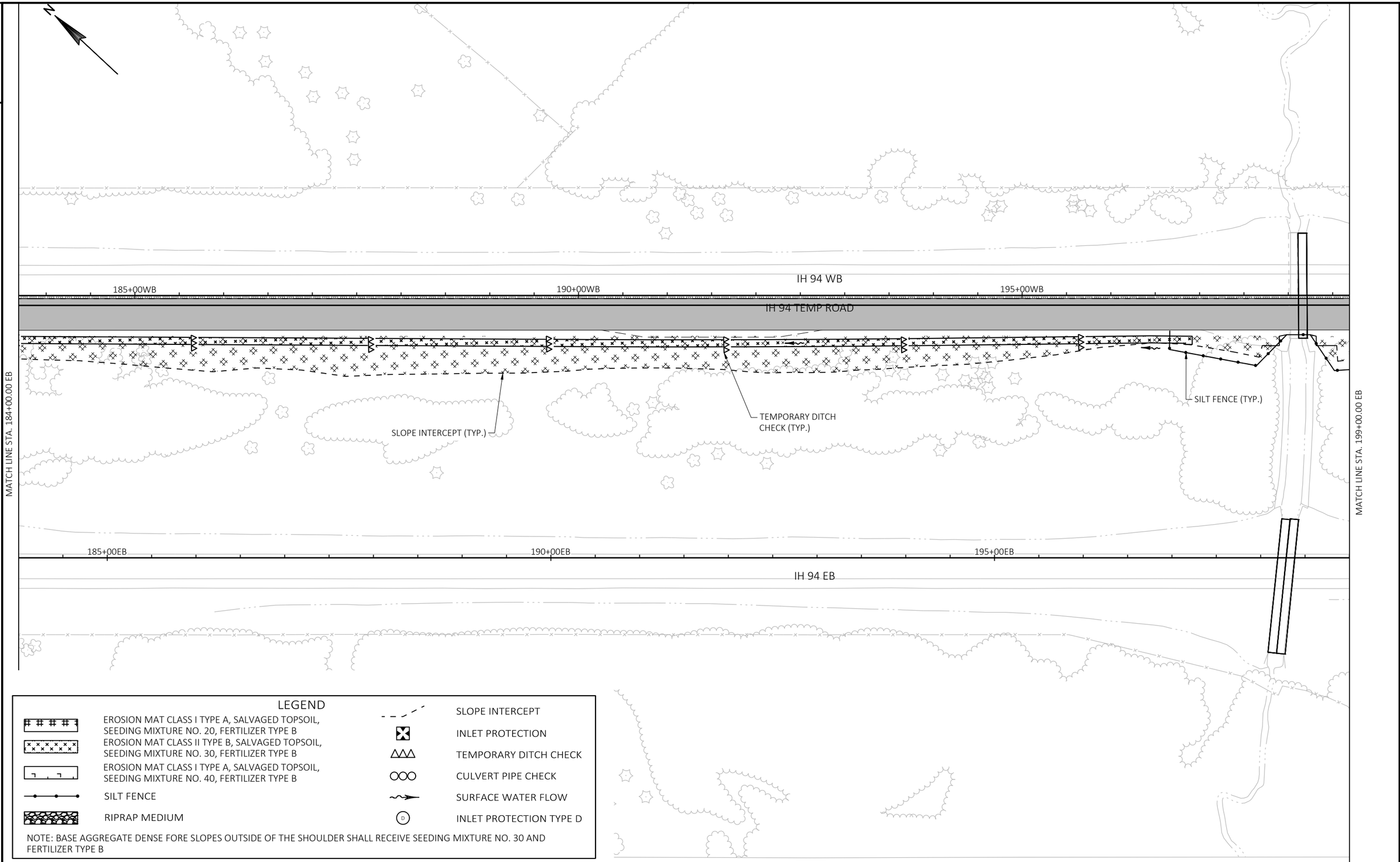
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES OUTSIDE OF THE SHOULDER SHALL RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 1	SHEET 72	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 1.DWG
LAYOUT NAME - 169+00 - 184+00
PLOT DATE : 1/25/2022 8:33 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



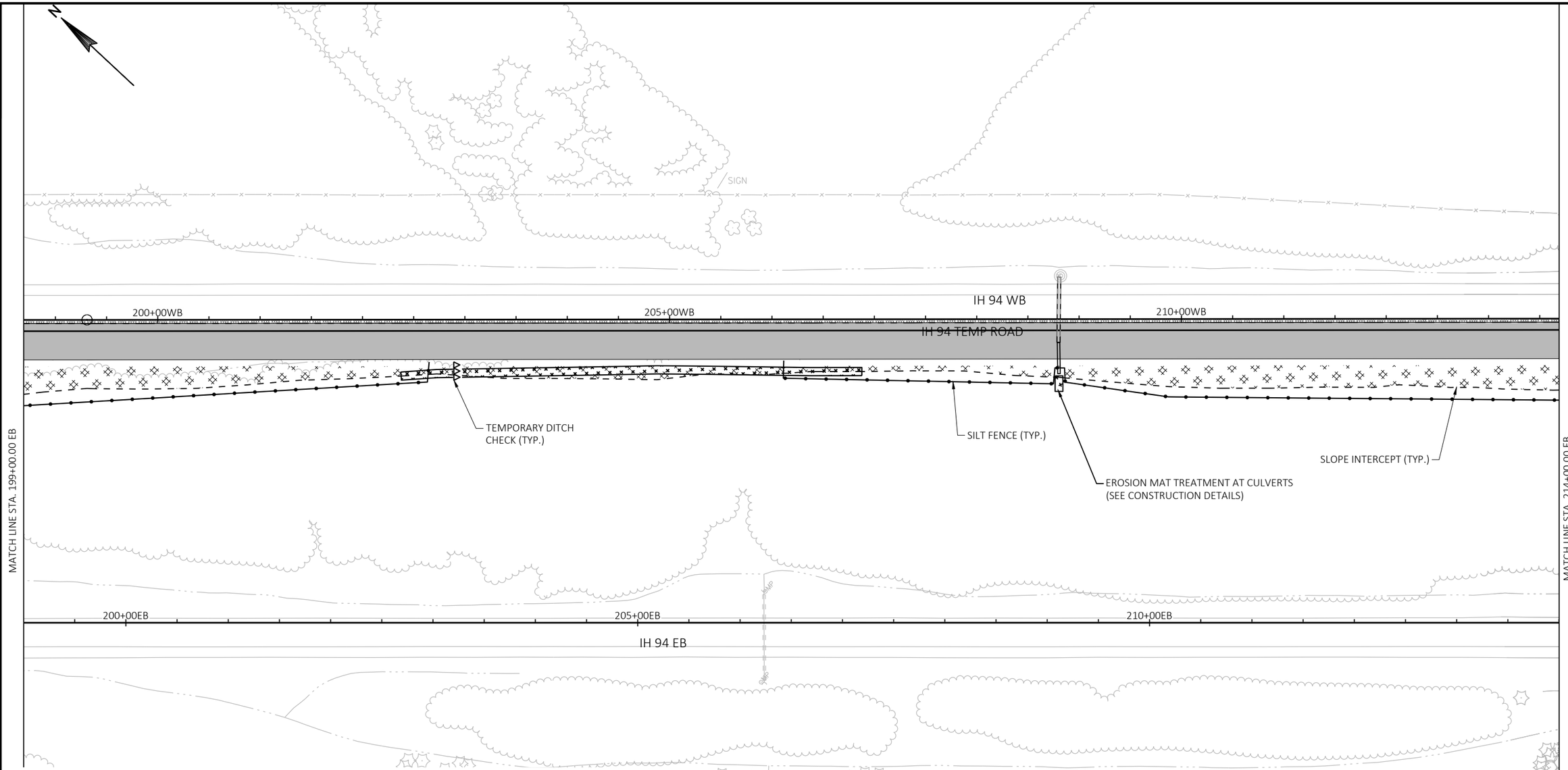
LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES OUTSIDE OF THE SHOULDER SHALL RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 1	SHEET 73	E

2

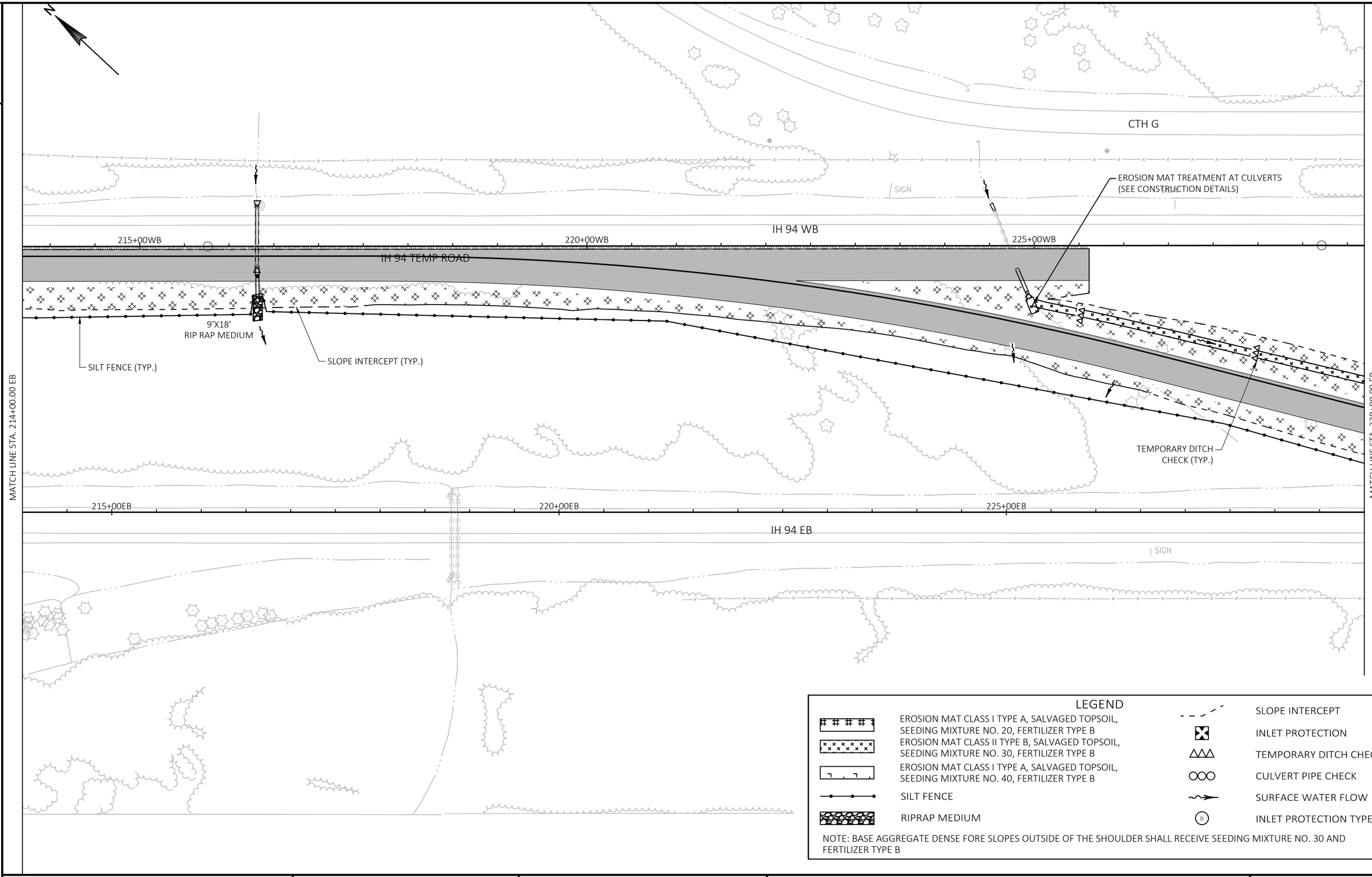


LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES OUTSIDE OF THE SHOULDER SHALL RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

2



LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES OUTSIDE OF THE SHOULDER SHALL RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

2

2

N

SIGN

CTH G

IH 94 WB

230+00WB

235+00WB

240+00WB

B-27-36
EXISTING TO REMAIN

MATCH LINE STA. 229+00.00 EB

SLOPE INTERCEPT (TYP.)

TEMPORARY DITCH CHECK (TYP.)

SILT FENCE (TYP.)

IH 94 TEMP ROAD

B-27-35
EXISTING TO REMAIN

235+00EB

240+00EB

230+00EB

IH 94 EB

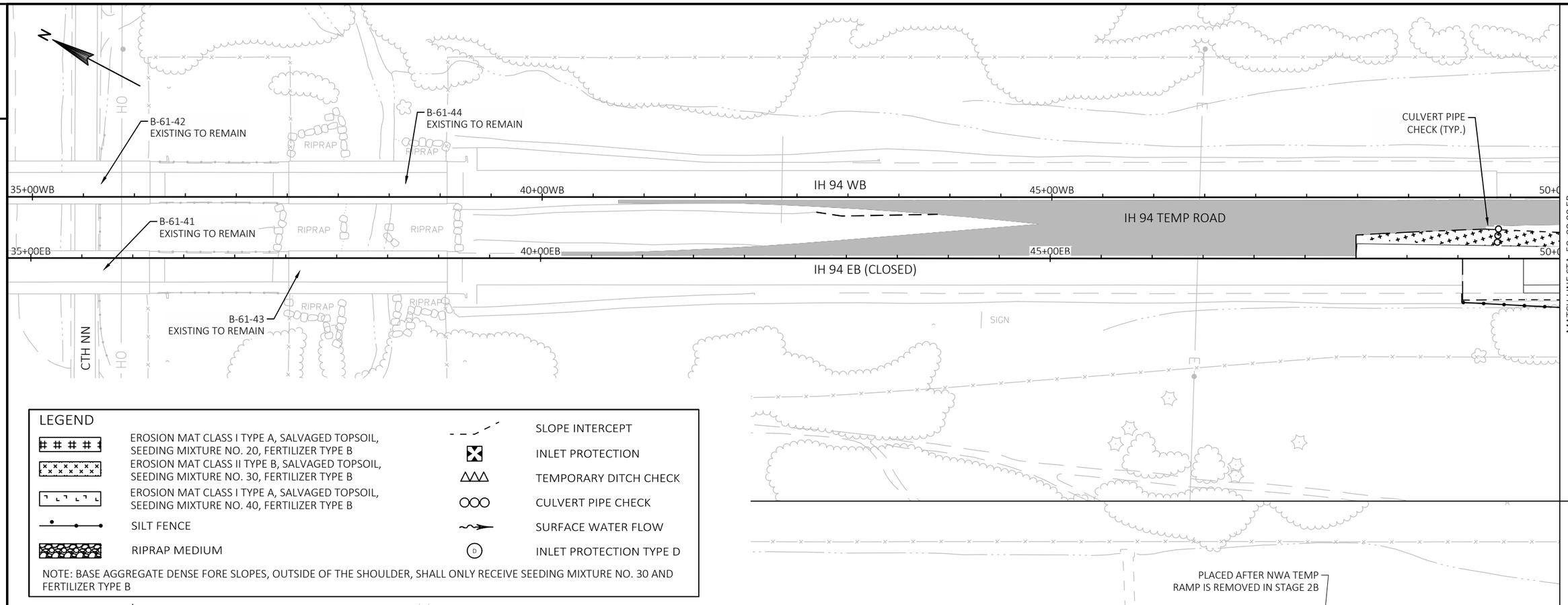
LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES OUTSIDE OF THE SHOULDER SHALL RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 1	SHEET 76	E

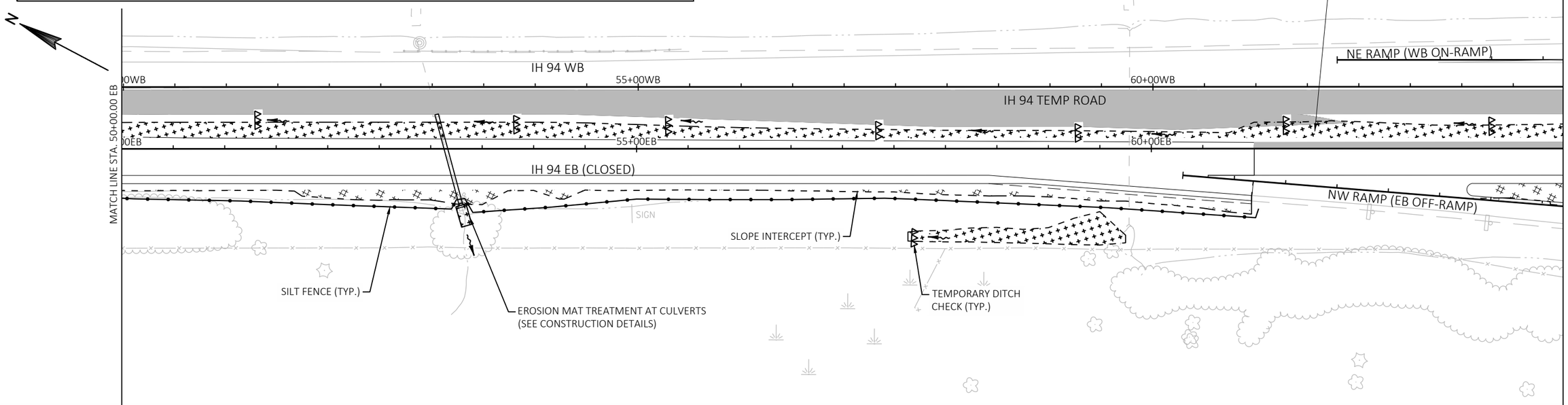
2



LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 77	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 2.DWG
LAYOUT NAME - BEGIN - 64+00

PLOT DATE : 1/25/2022 9:02 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

NE RAMP (WB ON-RAMP)

SE RAMP (WB OFF-RAMP)

NW RAMP (EB OFF-RAMP)

SW RAMP (EB ON-RAMP)

IH 94 WB

IH 94 TEMP ROAD

IH 94 EB (CLOSED)

USH 10 WB

USH 10 EB

105+00NE

110+00NE

115+00NE

35+00E

65+00WB

70+00WB

75+00WB

80+00W

65+00EB

70+00EB

75+00EB

65+00NW

70+00NW

25+00W

30+00E

80+00SW

CULVERT PIPE CHECK (TYP.)

TEMPORARY DITCH CHECK (TYP.)

B-61-156

SLOPE INTERCEPT (TYP.)

EROSION MAT TREATMENT AT CULVERTS (SEE CONSTRUCTION DETAILS)

PLACED AFTER SWA TEMP RAMP IS REMOVED IN STAGE 2B

SIGN

FLAG

INL

RIPRAP

MH

OH

SLAB

I.T.S. CAMERA

SIG. CAB.

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 78	E

2

2

SE RAMP (WB OFF-RAMP)

125+00SE

130+00SE

PLACED AFTER TEMP ROAD IS REMOVED IN STAGE 2C

IH 94 WB

80+00WB

85+00WB

90+00WB

IH 94 TEMP ROAD

80+00EB

85+00EB

90+00EB

90+00SW

IH 94 EB (CLOSED)

85+00SW

MATCH LINE STA. 79+00.00 EB

MATCH LINE STA. 94+00.00 EB

D

SW RAMP (EB ON-RAMP)

EROSION MAT TREATMENT AT CULVERTS (SEE CONSTRUCTION DETAILS)

TEMPORARY DITCH CHECK (TYP.)

SIGN

RIPRAP

MH

SLAB

OH

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- (D) INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

105+00WB

IH 94 WB

100+00WB

IH 94 TEMP ROAD

95+00WB

95+00EB

100+00EB

105+00EB

IH 94 EB (CLOSED)

MATCH LINE STA. 94+00.00 EB

MATCH LINE STA. 109+00.00 EB

SLOPE INTERCEPT (TYP.)

SILT FENCE (TYP.)

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 79	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 2.DWG
LAYOUT NAME - 79+00 - 109+00

PLOT DATE : 1/25/2022 9:03 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

IH 94 WB

110+00WB

115+00WB

120+00WB

IH 94 TEMP ROAD

MATCH LINE STA. 109+00.00 EB

N

110+00EB

115+00EB

120+00EB

IH 94 EB (CLOSED)

CULVERT DITCH CHECK (TYP.)

EROSION MAT TREATMENT AT CULVERTS (SEE CONSTRUCTION DETAILS)

MATCH LINE STA. 124+00.00 EB

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

MATCH LINE STA. 124+00.00 EB

N

125+00EB

130+00EB

135+00EB

IH 94 WB

130+00WB

135+00WB

IH 94 TEMP ROAD

IH 94 EB (CLOSED)

SLOPE INTERCEPT (TYP.)

TEMPORARY DITCH CHECK (TYP.)

SILT FENCE (TYP.)

MATCH LINE STA. 139+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 80	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 2.DWG
LAYOUT NAME - 109+00 - 139+00

PLOT DATE : 1/25/2022 9:03 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

SIGN

SIGN

IH 94 WB

140+00WB

145+00WB

150+00WB

IH 94 TEMP ROAD

MATCH LINE STA. 139+00.00 EB

MATCH LINE STA. 154+00.00 EB

CULVERT PIPE CHECK (TYP.)

SLOPE INTERCEPT (TYP.)

140+00EB

145+00EB

150+00EB

IH 94 EB (CLOSED)

EROSION MAT TREATMENT AT CULVERTS (SEE CONSTRUCTION DETAILS)

SILT FENCE (TYP.)

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 81	E

2

2

N

155+00WB

160+00WB

IH 94 WB

165+00WB

IH 94 TEMP ROAD

MATCH LINE STA. 154+00.00 EB

MATCH LINE STA. 169+00.00 EB

CULVERT PIPE CHECK (TYP.)

SLOPE INTERCEPT (TYP.)

155+00EB

160+00EB

165+00EB

IH 94 EB (CLOSED)

EROSION MAT TREATMENT AT CULVERTS (SEE CONSTRUCTION DETAILS)

EROSION MAT TREATMENT AT CULVERTS (SEE CONSTRUCTION DETAILS)

SILT FENCE (TYP.)

HO

HO

HO

LEGEND

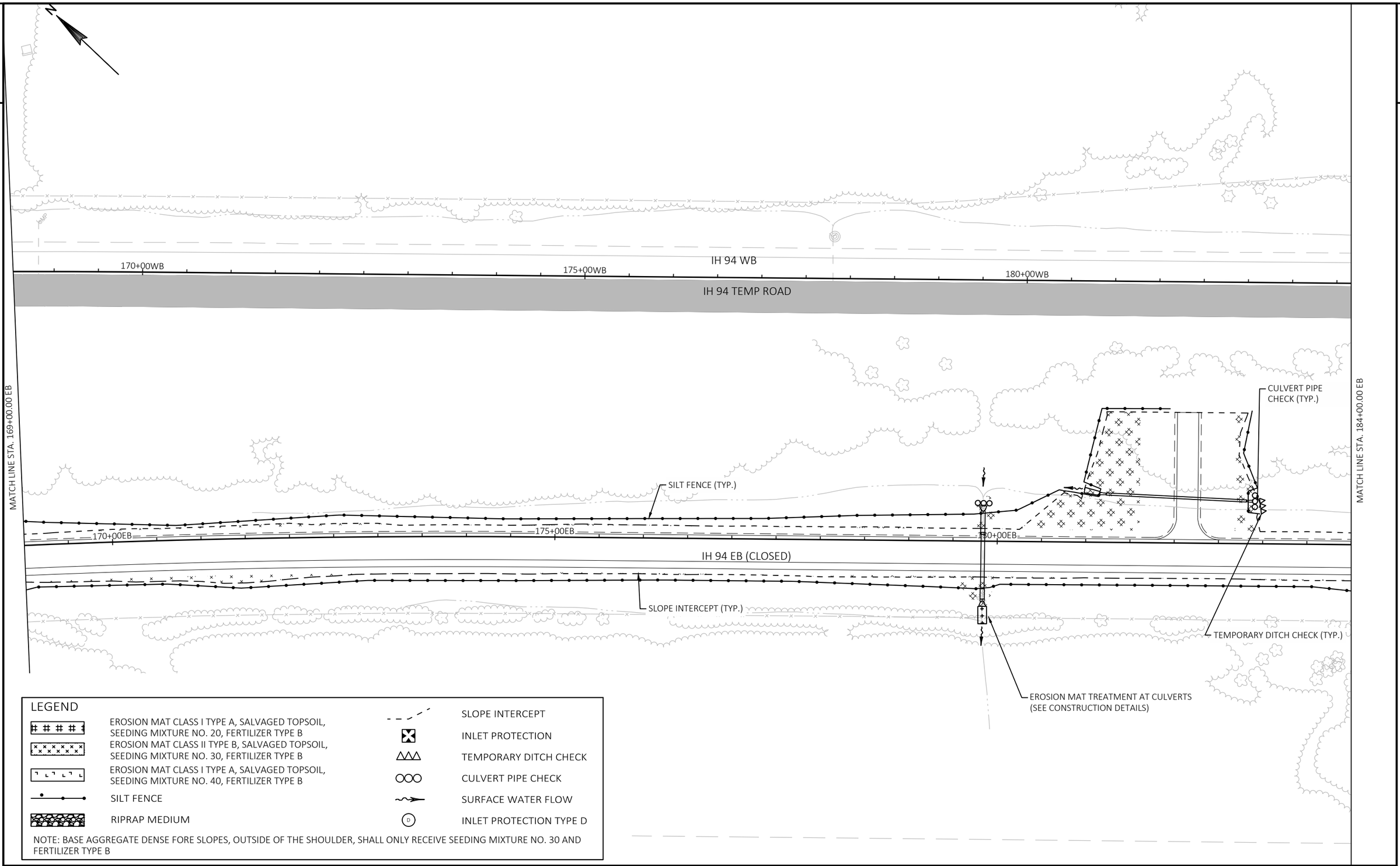
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 82	E

2

2



LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 83	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 2.DWG
LAYOUT NAME - 169+00 - 184+00
PLOT DATE : 1/25/2022 9:04 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

N

MATCH LINE STA. 184+00.00 EB

185+00WB

190+00WB

195+00WB

IH 94 WB

IH 94 TEMP ROAD

TEMPORARY DITCH CHECK (TYP.)

SLOPE INTERCEPT (TYP.)

185+00EB

190+00EB

195+00EB

IH 94 EB (CLOSED)

SILT FENCE (TYP.)

MATCH LINE STA. 199+00.00 EB

2

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 84	E

2

2

N

SIGN

200+00WB

205+00WB

IH 94 WB

210+00WB

IH 94 TEMP ROAD

MATCH LINE STA. 199+00.00 EB

MATCH LINE STA. 214+00.00 EB

TEMPORARY DITCH CHECK (TYP.)

CULVERT PIPE CHECK (TYP.)

200+00EB

205+00EB

210+00EB

IH 94 EB (CLOSED)

SLOPE INTERCEPT (TYP.)

EROSION MAT TREATMENT AT CULVERTS (SEE CONSTRUCTION DETAILS)

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 85	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 2.DWG
LAYOUT NAME - 199+00 - 214+00
PLOT DATE : 1/25/2022 9:04 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

N

CTH G

SIGN

SIGN

IH 94 WB

215+00WB

220+00WB

225+00WB

IH 94 TEMP ROAD

MATCH LINE STA. 214+00.00 EB

MATCH LINE STA. 229+00.00 EB

CULVERT PIPE CHECK (TYP.)

215+00EB

220+00EB

225+00EB

IH 94 EB (CLOSED)

SIGN

TEMPORARY DITCH CHECK (TYP.)

EROSION MAT TREATMENT AT CULVERTS (SEE CONSTRUCTION DETAILS)

SLOPE INTERCEPT (TYP.)

2

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 86	E

2

2

N

SIGN

CTH G

IH 94 WB

230+00WB

235+00WB

240+00WB

B-27-36
EXISTING TO REMAIN

MATCH LINE STA. 229+00.00 EB

IH 94 TEMP ROAD

230+00EB

235+00EB

240+00EB

IH 94 EB

B-27-35
EXISTING TO REMAIN

TEMPORARY DITCH CHECK (TYP.)

SLOPE INTERCEPT (TYP.)

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 2	SHEET 87	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 2.DWG
LAYOUT NAME - 229+00 - END

PLOT DATE : 1/25/2022 9:04 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

B-61-42
EXISTING TO REMAIN

B-61-44
EXISTING TO REMAIN

B-61-41
EXISTING TO REMAIN

B-61-43
EXISTING TO REMAIN

RIPRAP

35+00WB 40+00WB 45+00WB 50+0

IH 94 WB (CLOSED)

IH 94 TEMP ROAD

35+00EB 40+00EB 45+00EB 50+0

IH 94 EB

CTH NN

SIGN

MATCH LINE STA. 50+00.00 EB

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

TEMPORARY DITCH CHECK (TYP.)

CULVERT PIPE CHECK (TYP.)

12'X750' RIP RAP MEDIUM

SLOPE INTERCEPT (TYP.)

NE RAMP (WB ON-RAMP)

IH 94 WB (CLOSED)

0WB 55+00WB 60+00WB

IH 94 TEMP ROAD

0EB 55+00EB 60+00EB

IH 94 EB

NW RAMP (EB OFF-RAMP)

D

SIGN

MATCH LINE STA. 50+00.00 EB

MATCH LINE STA. 64+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 3	SHEET 88	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 3.DWG
LAYOUT NAME - BEGIN - 64+00
PLOT DATE : 1/25/2022 10:30 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

N

FLAG

SIGN

INL

RIPRAP

MH

W

TEMPORARY DITCH CHECK (TYP.)

105+00NE

110+00NE

NE RAMP (WB ON-RAMP)

115+00NE

35+00E

SE RAMP (WB OFF-RAMP)

SIG. CAB.

ITS CAMERA

IH 94 WB (CLOSED)

65+00WB

70+00WB

75+00WB

30+00W

IH 94 TEMP ROAD

65+00EB

70+00EB

75+00EB

IH 94 EB

B-61-156

65+00NW

70+00NW

NW RAMP (EB OFF-RAMP)

USH 10 WB

USH 10 EB

30+00E

25+00W

80+00SW

SW RAMP (EB ON-RAMP)

SLAB

SILT FENCE (TYP.)

SLOPE INTERCEPT (TYP.)

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

SEE "EROSION CONTROL - STAGE 3: USH 10" DETAIL FOR USH 10 EROSION CONTROL

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 3	SHEET 89	E

2

N

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

SEE "EROSION CONTROL - STAGE 3" DETAIL FOR IH 94 MAINLINE EROSION CONTROL

NW RAMP (EB OFF-RAMP)
USH 10 WB
USH 10 EB
25+00W
25+00E
30+
MATCH LINE STA. 30+00.00 E
EXISTING R/W
TLE
7'X22'
RIP RAP MEDIUM
6'X6'
RIP RAP MEDIUM
SLOPE INTERCEPT (TYP.)
SILT FENCE (TYP.)
SW RAMP (EB ON-RAMP)
RIPRAP
SLAB
SIGN
FLAG
MH
INL
LV
D

NE RAMP (WB ON-RAMP)
6'X6'
RIP RAP MEDIUM
7'X15'
RIP RAP MEDIUM
7'X15'
RIP RAP MEDIUM
115+00NE
40+00W
35+00W
35+00E
30+00W
75+00WB
75+00EB
USH 10 WB
USH 10 EB
MATCH LINE STA. 30+00.00 E
B-61-156
IH 94 EB
IH 94 WB (CLOSED)
SE RAMP (WB OFF-RAMP)
ITS CAMERA
SIG. CAB.
STATUE
RIPRAP
GUY
SIGN
FLAG
MH
INL
MP

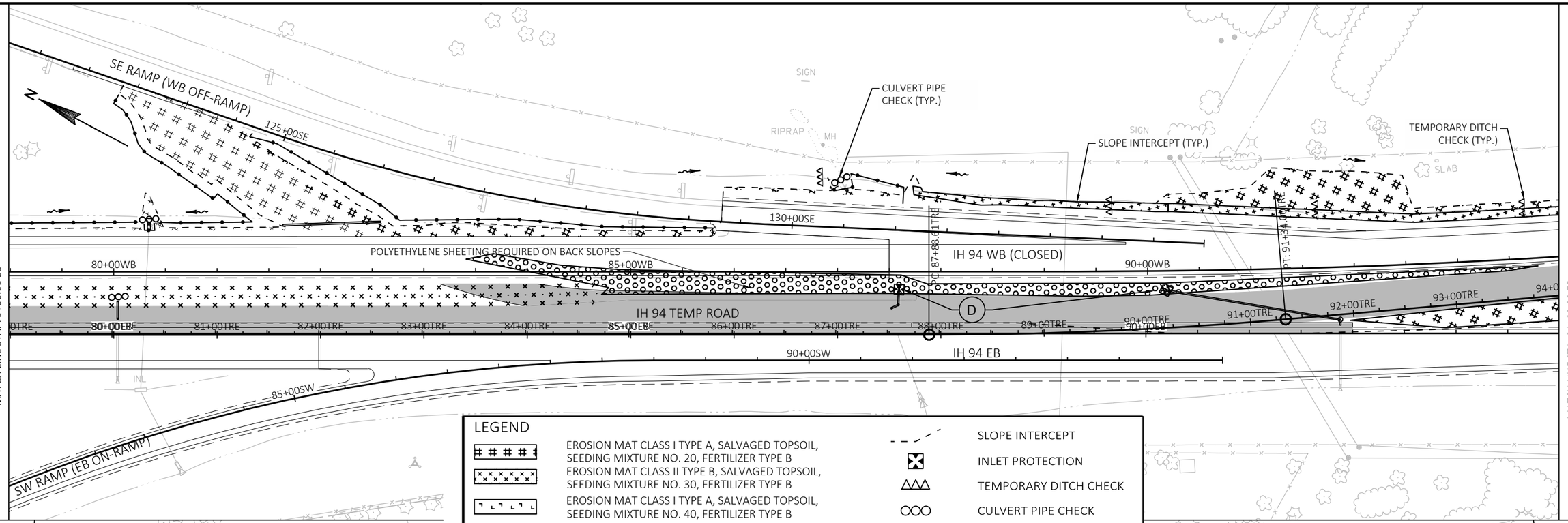
N

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 3- USH 10	SHEET 90	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 3.DWG
LAYOUT NAME - USH 10
PLOT DATE : 1/25/2022 10:30 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

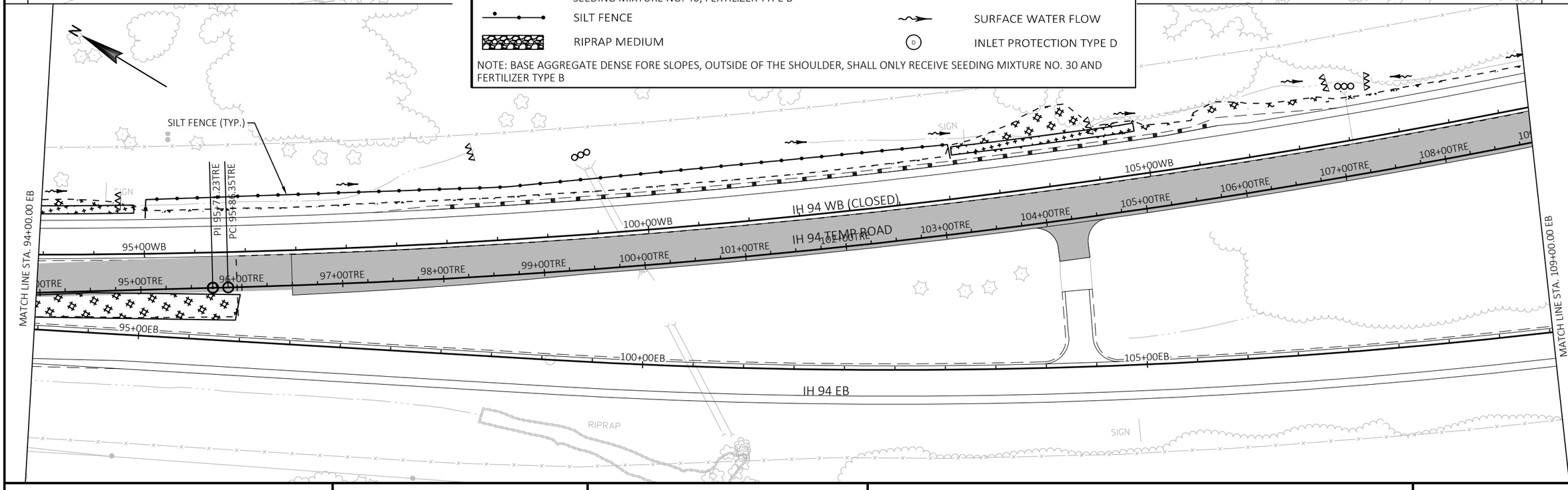
2



LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- (D) INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 3	SHEET 91	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 3.DWG
LAYOUT NAME - 79+00 - 109+00

PLOT DATE : 1/27/2022 12:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

SLOPE INTERCEPT (TYP.)

CULVERT PIPE CHECK (TYP.)

IH 94 WB (CLOSED)

110+00WB

115+00WB

120+00WB

IH 94 TEMP ROAD

TEMPORARY DITCH CHECK (TYP.)

MATCH LINE STA. 109+00.00 EB

MATCH LINE STA. 124+00.00 EB

N

110+00EB

120+00EB

IH 94 EB

LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

SIGN

IH 94 WB (CLOSED)

125+00WB

130+00WB

135+00WB

IH 94 TEMP ROAD

MATCH LINE STA. 124+00.00 EB

MATCH LINE STA. 139+00.00 EB

N

125+00EB

130+00EB

135+00EB

IH 94 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 3	SHEET 92	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 3.DWG
LAYOUT NAME - 109+00 - 139+00

PLOT DATE : 1/25/2022 10:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

2

N

TEMPORARY DITCH CHECK (TYP.)

CULVERT PIPE CHECK (TYP.)

SILT FENCE (TYP.)

SLOPE INTERCEPT (TYP.)

SIGN

SIGN

IH 94 WB (CLOSED)

140+00WB

145+00WB

150+00WB

IH 94 TEMP ROAD

MATCH LINE STA. 139+00.00 EB

MATCH LINE STA. 154+00.00 EB

140+00EB

145+00EB

150+00EB

IH 94 EB

SMP

SMP

LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B

EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B

SILT FENCE

RIPRAP MEDIUM

SLOPE INTERCEPT

INLET PROTECTION

TEMPORARY DITCH CHECK

CULVERT PIPE CHECK

SURFACE WATER FLOW

INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 3	SHEET 93	E

2

2

N

CULVERT PIPE CHECK (TYP.)

SILT FENCE (TYP.)

SLOPE INTERCEPT (TYP.)

TEMPORARY DITCH CHECK (TYP.)

155+00WB

160+00WB

IH 94 WB (CLOSED)

165+00WB

IH 94 TEMP ROAD

MATCH LINE STA. 154+00.00 EB

MATCH LINE STA. 169+00.00 EB

155+00EB

160+00EB

165+00EB

IH 94 EB

LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 3	SHEET 94	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 3.DWG
LAYOUT NAME - 154+00 - 169+00

PLOT DATE : 1/25/2022 10:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

TEMPORARY DITCH CHECK (TYP.)

SLOPE INTERCEPT (TYP.)

CULVERT PIPE CHECK (TYP.)

170+00WB

175+00WB

180+00WB

IH 94 WB (CLOSED)

IH 94 TEMP ROAD

MATCH LINE STA. 169+00.00 EB

MATCH LINE STA. 184+00.00 EB

170+00EB

175+00EB

180+00EB

IH 94 EB

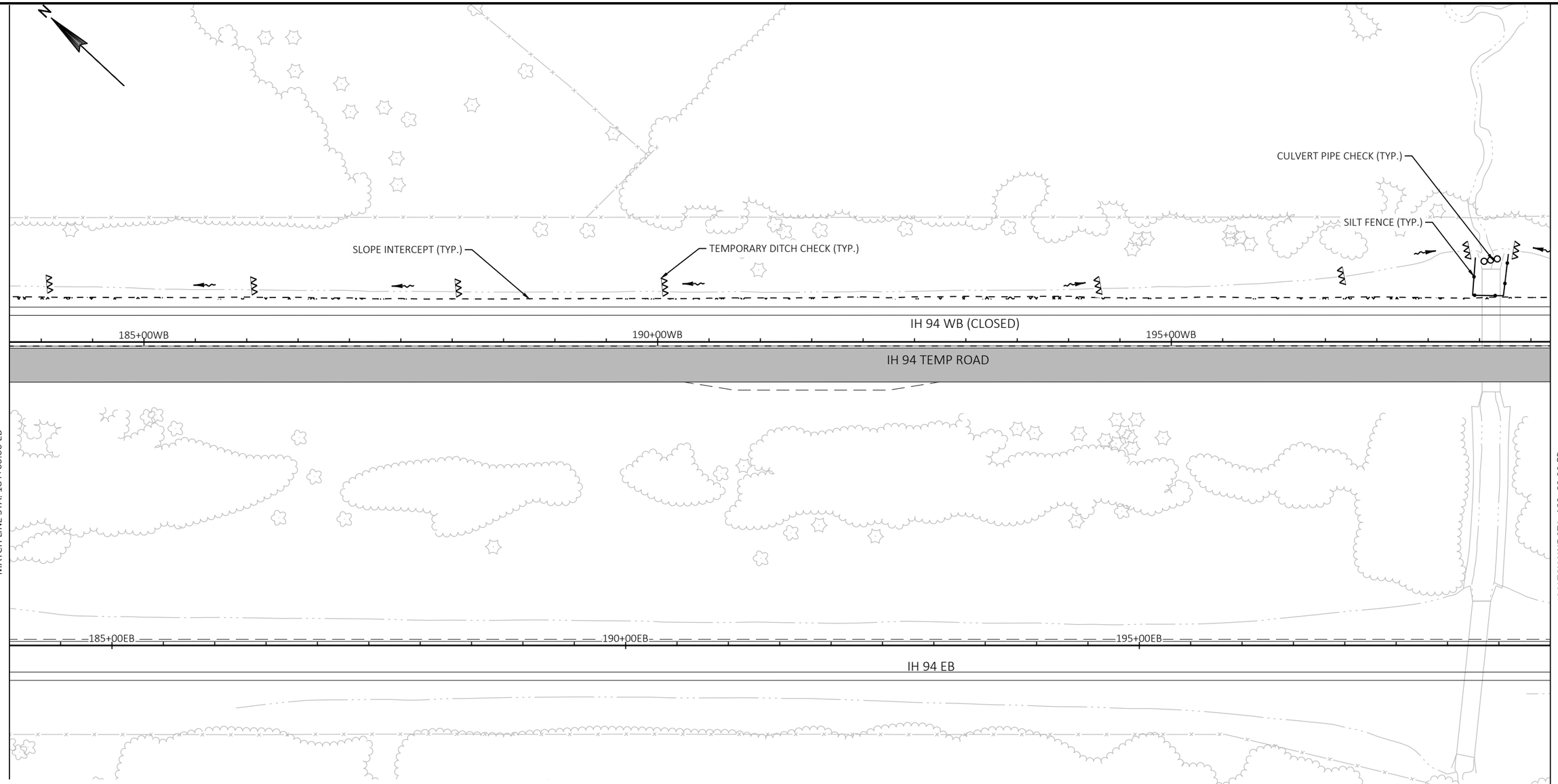
LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 3	SHEET 95	E

2



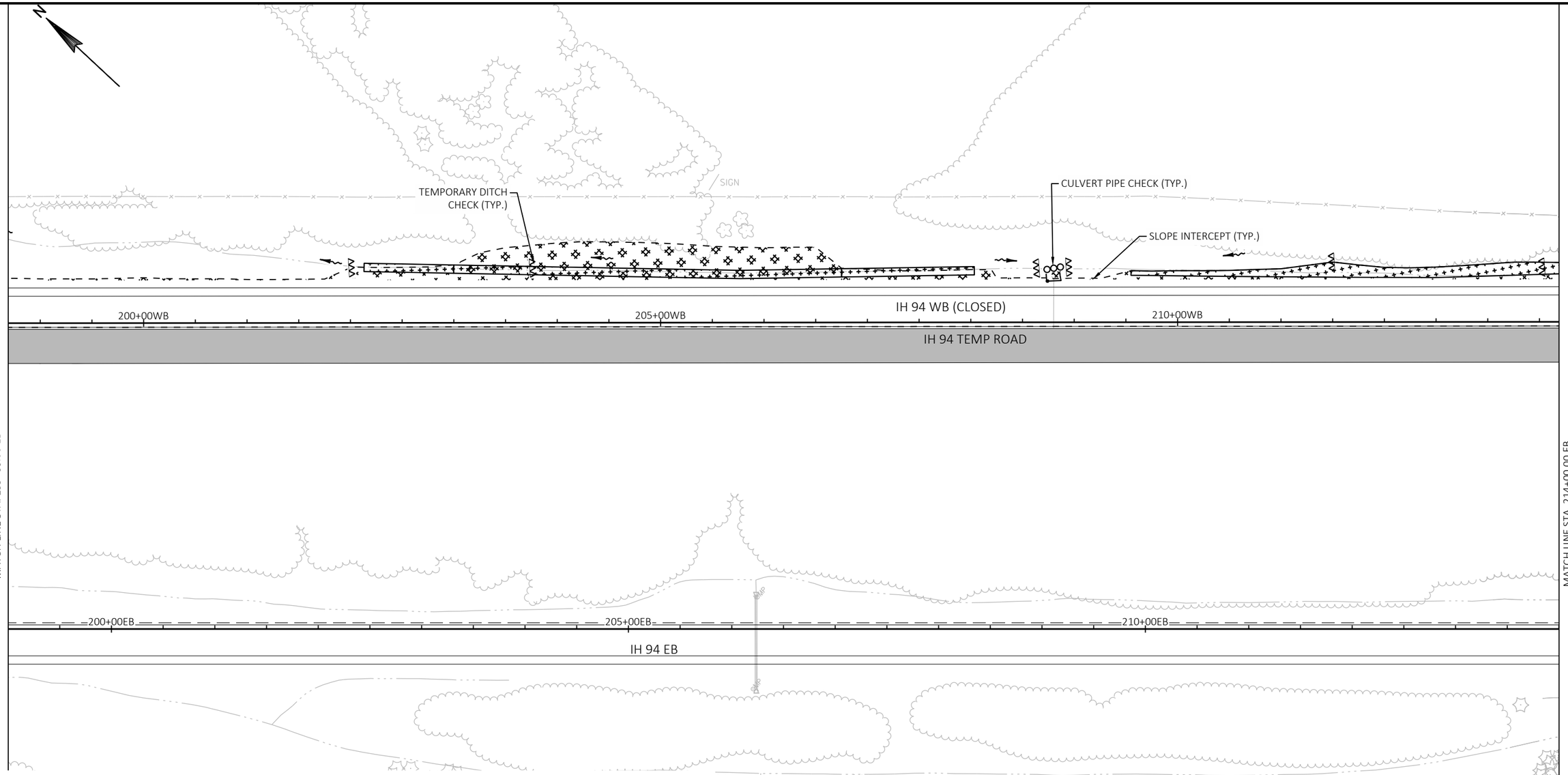
LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 3	SHEET 96	E

2



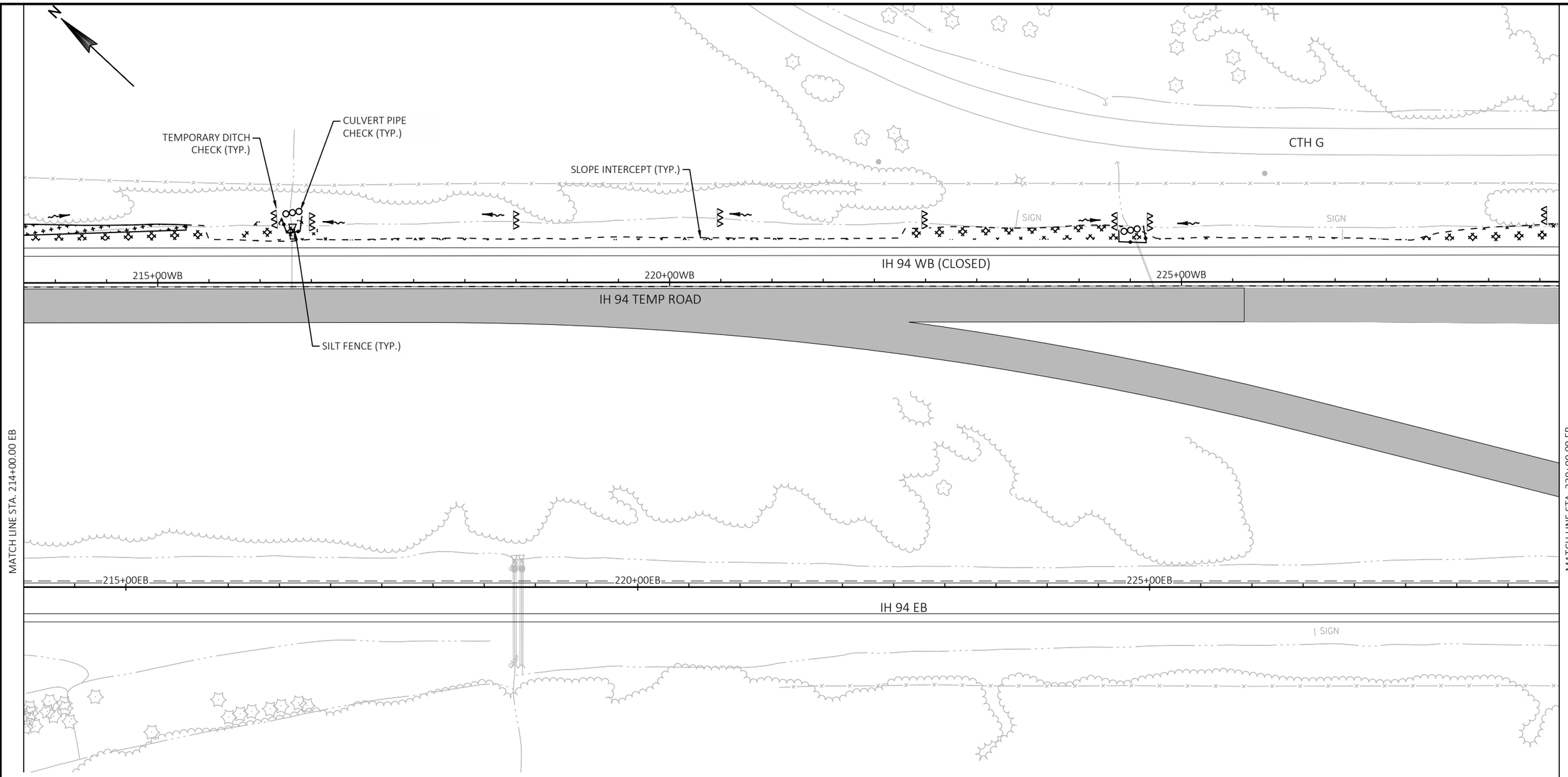
2

LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

2



2

LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

2

N

SIGN

CTH G

TEMPORARY DITCH CHECK (TYP.)

SLOPE INTERCEPT (TYP.)

230+00WB

235+00WB

240+00WB

B-27-36
EXISTING TO REMAIN

IH 94 WB

MATCH LINE STA. 229+00.00 EB

IH 94 TEMP ROAD

230+00EB

235+00EB

IH 94 EB

XXXX

B-27-35
EXISTING TO REMAIN

240+00EB

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

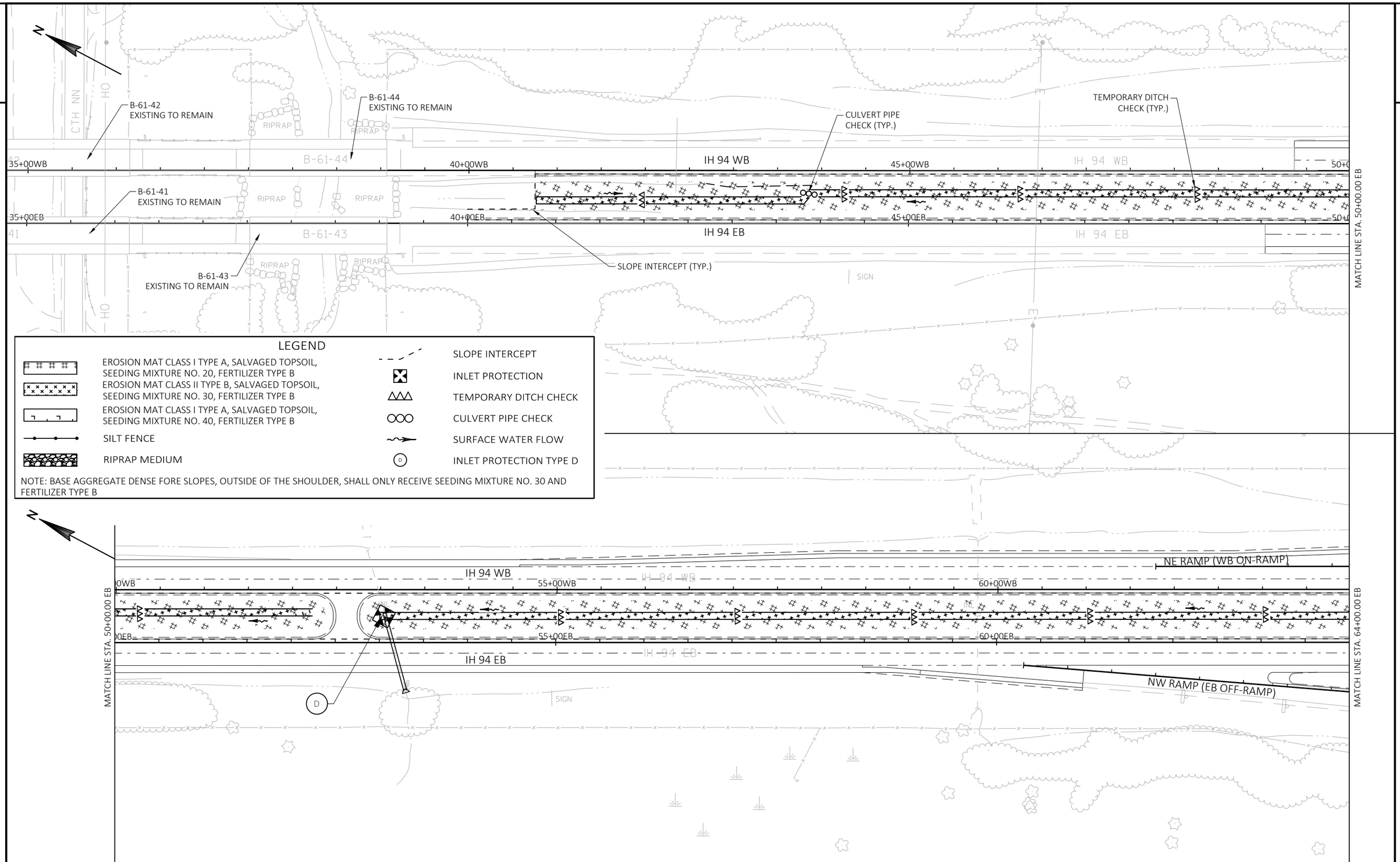
NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 3	SHEET 99	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 3.DWG
LAYOUT NAME - 229+00 - END

PLOT DATE : 1/25/2022 10:32 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 4	SHEET 100	E

2

2

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

N

IH 94 WB

IH 94 EB

NE RAMP (WB ON-RAMP)

SE RAMP (WB OFF-RAMP)

NW RAMP (EB OFF-RAMP)

SW RAMP (EB ON-RAMP)

USH 10 WB

USH 10 EB

105+00NE

110+00NE

115+00NE

35+00E

65+00WB

70+00WB

75+00WB

65+00EB

70+00EB

75+00EB

30+00W

65+00NW

70+00NW

80+00SW

25+00W

30+00E

TEMPORARY DITCH CHECK (TYP.)

SLOPE INTERCEPT (TYP.)

B-61-156

FLAG

SIGN

INL

RIPRAP

MH

OH

SLAB

ITS CAMERA

SIG. CAB.

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE A
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE A
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE A
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE SLOPES OUTSIDE OF SHOULDER SHALL RECEIVE SEED MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 4	SHEET 101	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 4.DWG
LAYOUT NAME - 64+00 - 79+00

PLOT DATE : 1/25/2022 10:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 79+00.00 EB

MATCH LINE STA. 94+00.00 EB

SE RAMP (WB OFF-RAMP)

125+00SE

130+00SE

IH 94 WB

80+00WB

85+00WB

90+00WB

80+00EB

85+00EB

90+00EB

IH 94 EB

90+00SW

85+00SW

SW RAMP (EB ON-RAMP)

INL

SIGN

RIPRAP

MH

SLAB

OH

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

TEMPORARY DITCH CHECK (TYP.)

95+00WB

100+00WB

105+00WB

95+00EB

100+00EB

105+00EB

SLOPE INTERCEPT (TYP.)

SILT FENCE (TYP.)

MATCH LINE STA. 94+00.00 EB

MATCH LINE STA. 109+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 4	SHEET 102	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 4.DWG
LAYOUT NAME - 79+00 - 109+00

PLOT DATE : 1/25/2022 10:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

TEMPORARY DITCH CHECK (TYP.)

IH 94 WB

110+00WB

115+00WB

120+00WB

PLACE SEED MIXTURE NO. 30, SALVAGED TOPSOIL, MULCH, AND FERTILIZER TYPE B IN ALL DISTURBED NOT RECEIVING EROSION MAT (TYP.)

MATCH LINE STA. 109+00.00 EB

MATCH LINE STA. 124+00.00 EB

110+00EB

115+00EB

120+00EB

IH 94 EB

N

PLACE SEED MIXTURE NO. 30, SALVAGED TOPSOIL, MULCH, AND FERTILIZER TYPE B IN ALL DISTURBED NOT RECEIVING EROSION MAT (TYP.)

IH 94 WB

125+00WB

130+00WB

135+00WB

SLOPE INTERCEPT (TYP.)

SILT FENCE (TYP.)

MATCH LINE STA. 124+00.00 EB

MATCH LINE STA. 139+00.00 EB

N

LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

125+00EB

135+00EB

IH 94 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 4	SHEET 103	E

2

2

N

SIGN

SIGN

IH 94 WB

IH 94 WB

140+00WB

145+00WB

150+00WB

TEMPORARY DITCH CHECK (TYP.)

SLOPE INTERCEPT (TYP.)

PLACE SEED MIXTURE NO. 30, SALVAGED TOPSOIL, MULCH, AND FERTILIZER TYPE B IN ALL DISTURBED NOT RECEIVING EROSION MAT (TYP.)

SILT FENCE (TYP.)

STA 134+00WB TO STA 148+00WB
RESTORE SURFACE TO PREVIOUS ELEVATIONS, PLACE SALVAGED TOPSOIL, SEED MIXTURE NO. 30, FERTILIZER TYPE B, AND MULCH ON FLAT SURFACES AND EROSION MAT CLASS I TYPE B URBAN ON SIDES OF CHANNEL

MATCH LINE STA. 139+00.00 EB

MATCH LINE STA. 154+00.00 EB

140+00EB

145+00EB

150+00EB

IH 94 EB

IH 94 EB

IH 94 EB

LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 4	SHEET 104	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\EROSION CONTROL\022001-EC - STAGE 4.DWG
LAYOUT NAME - 139+00 - 154+00
PLOT DATE : 1/25/2022 10:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

N

TEMPORARY DITCH CHECK (TYP.)

IH 94 WB

155+00WB

160+00WB

165+00WB

SLOPE INTERCEPT (TYP.)

MATCH LINE STA. 154+00.00 EB

MATCH LINE STA. 169+00.00 EB

HO

IH 94 EB

155+00EB

160+00EB

165+00EB

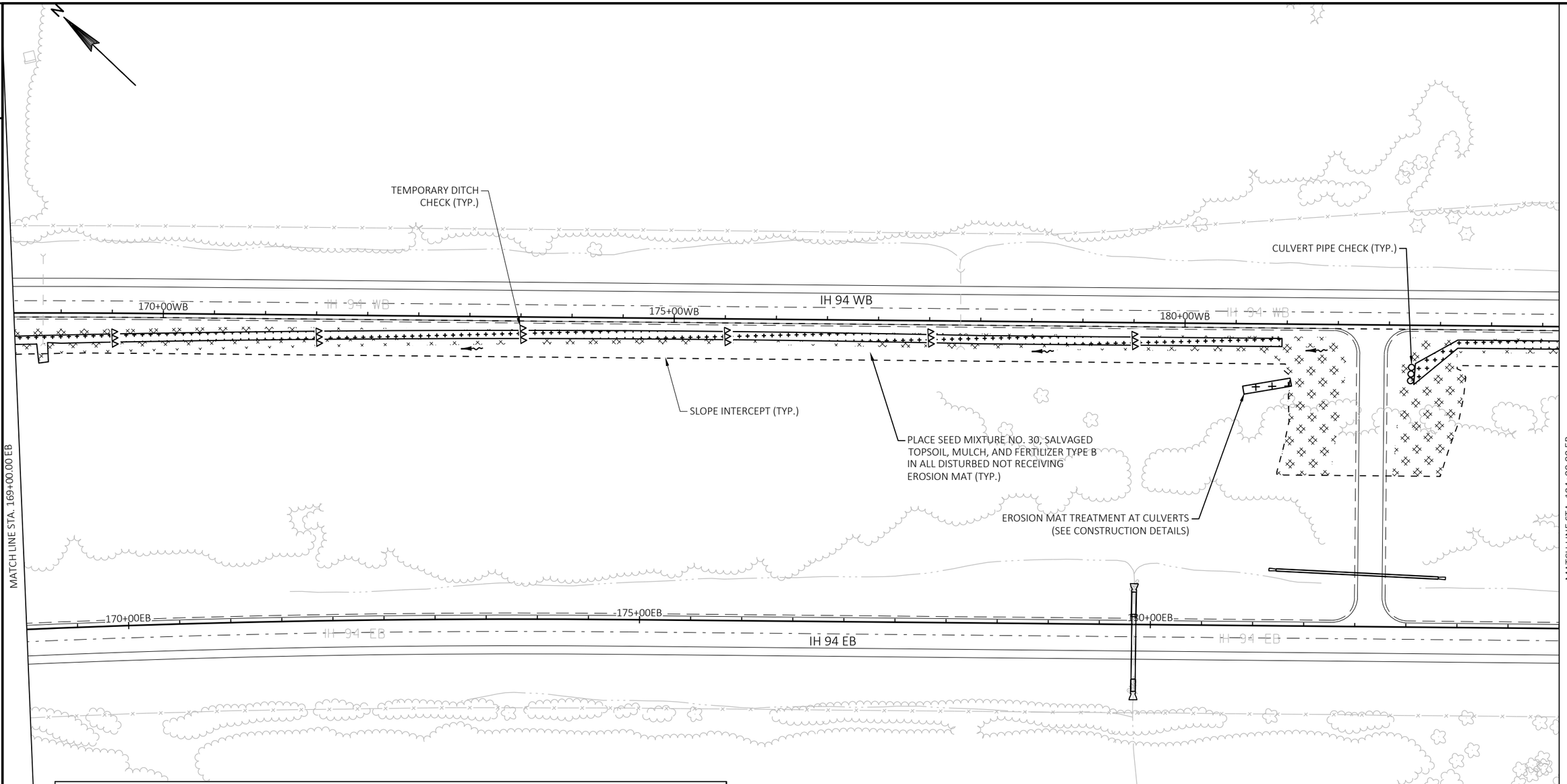
LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 4	SHEET 105	E

2

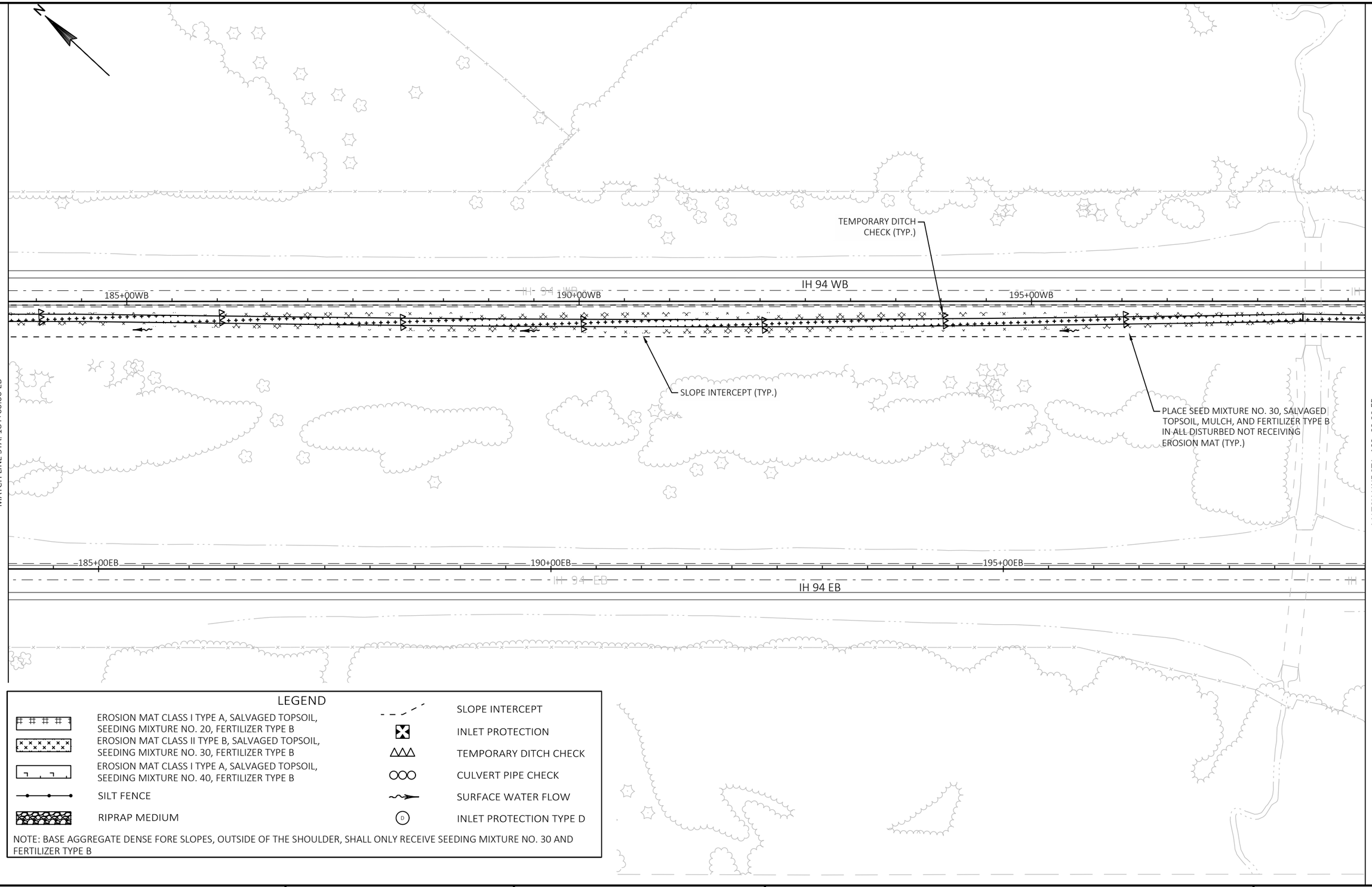


LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

2



LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

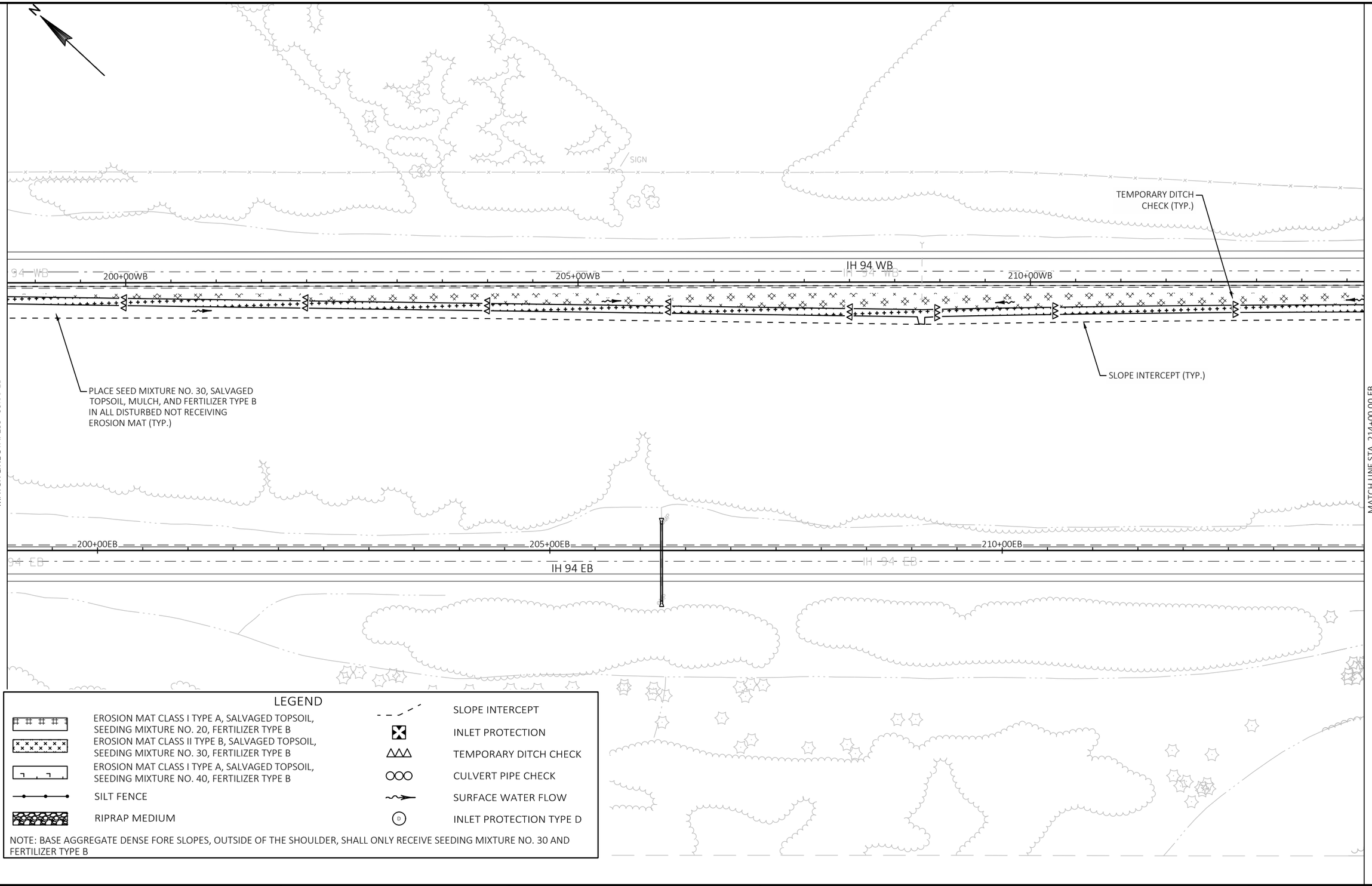
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 4	SHEET 107	E

2

2

MATCH LINE STA. 199+00.00 EB

MATCH LINE STA. 214+00.00 EB



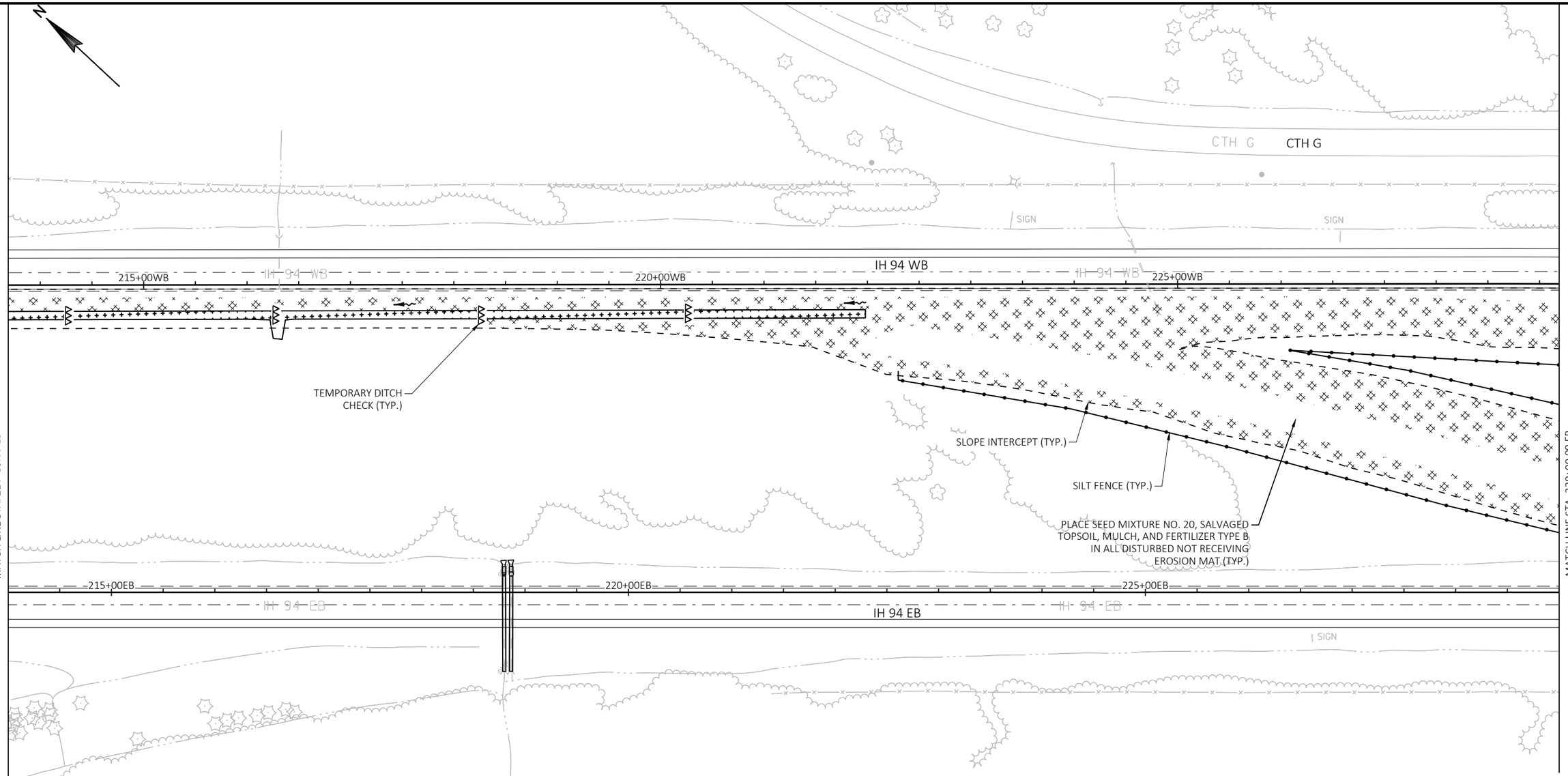
LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 4	SHEET 108	E

2



LEGEND

- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B
- EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- D — INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 4	SHEET 109	E

2

2

N

SIGN

CTH G

CTH G

IH 94 WB

230+00WB

235+00WB

240+00WB

B-27-36
EXISTING TO REMAIN

B-27-36

MATCH LINE STA. 229+00.00 EB

SILT FENCE (TYP.)

SLOPE INTERCEPT (TYP.)

B-27-35
EXISTING TO REMAIN

B-27-35

235+00EB

240+00EB

230+00EB

IH 94 EB

PLACE SEED MIXTURE NO. 30, SALVAGED TOPSOIL, MULCH, AND FERTILIZER TYPE B IN ALL DISTURBED NOT RECEIVING EROSION MAT (TYP.)

LEGEND

EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE B	SLOPE INTERCEPT
EROSION MAT CLASS II TYPE B, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B	INLET PROTECTION
EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
RIPRAP MEDIUM	SURFACE WATER FLOW
	INLET PROTECTION TYPE D

NOTE: BASE AGGREGATE DENSE FORE SLOPES, OUTSIDE OF THE SHOULDER, SHALL ONLY RECEIVE SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	EROSION CONTROL - STAGE 4	SHEET 110	E

2

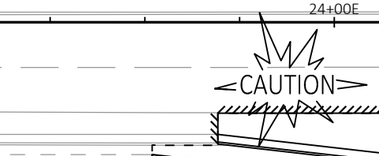
USH 10 WB

USH 10 EB

22+00E 23+00E 24+00E 25+00E 26+00E 27+00E

25+00W 26+00W

MH MH



WE ENERGIES

24.2 STA 24+68, 30.7' RT
RECONSTRUCT INLET
TYPE J CASTING REQD

CINC

REMOVING STORM SEWER 15-INCH
X 35 LF REQ'D

STA 24+72, 42.6' RT 24.1
INLETS 2x3
SALVAGED INLET COVER
FROM 24.2

24.0 STA 24+72, 65.6' RT
AEW FOR CP 15-INCH

EXISTING R/W

CENTURYLINK

TLE

PLACE COVERPLATE TEMPORARY OVER INLETS
AFTER PLACING INLET AND PRIOR TO PAVING

N

1030 1030

1025 1025

1020 1020

1015 1015

24.2 24.1 24.0

1024.17 1023.95

12 LF SSPRC CLASS IV 15-INCH @ 1.67%

23 LF SSP CLASS III-A 15-INCH @ 9.09%

1020.67 1020.46

1018.37

EX RW TLE

NOTE: PROFILE ELEVATIONS SHOWN ARE FLOW LINE ELEVATIONS AT CASTING AND PIPE.
SEE "MISCELLANEOUS QUANTITIES" FOR MORE INFORMATION

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	STORM SEWER	SHEET 111	E

2

PLACE COVERPLATE TEMPORARY OVER INLETS
AFTER PLACING INLET AND PRIOR TO PAVING

N

NE RAMP (WB ON-RAMP)

EXISTING R/W

AT&T LEGACY
CINC
WINDSTREAM/KDL

WISDOT ITS & CINC

XCEL ENERGY (OH ELEC)

WINDSTREAM/KDL

35.0 STA 35+03 W, 61.2' LT
APRON ENDWALLS FOR CP 15-INCH

35.2 STA 35+02 W, 31.6' LT
RECONSTRUCTING INLET
TYPE J CASTING REQUIRED

35.1 STA 35+02 W, 42.5' LT
INLETS 2x3
SALVAGED INLET COVER
FROM 35.2

36.0 STA 36+33 W, 56.2' LT
APRON ENDWALLS FOR CP 12-INCH

36.1 STA 36+33 W, 42.5' LT
INLETS 2x3-H

TRI-COUNTY COMMUNICATIONS COOPERATIVE

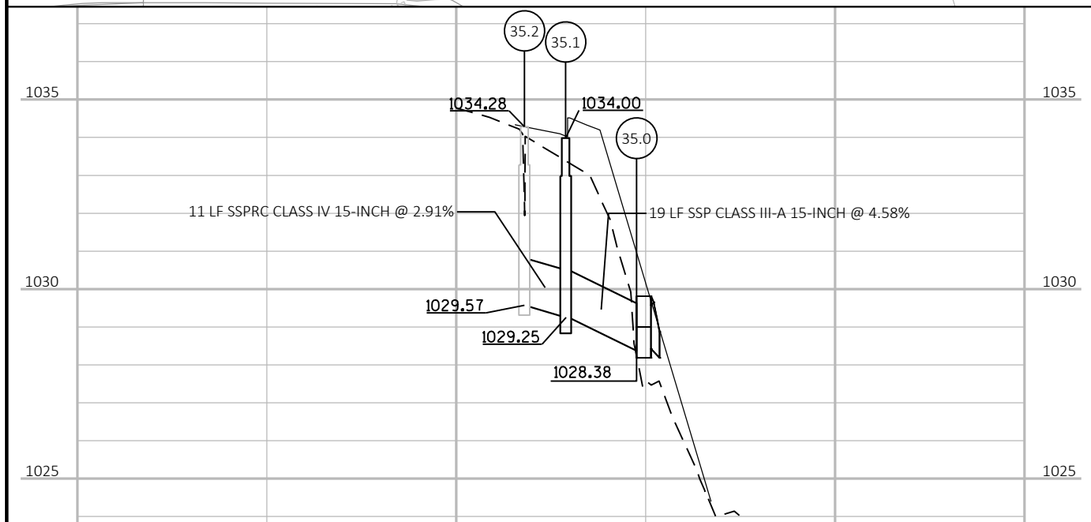
USH 10 WB

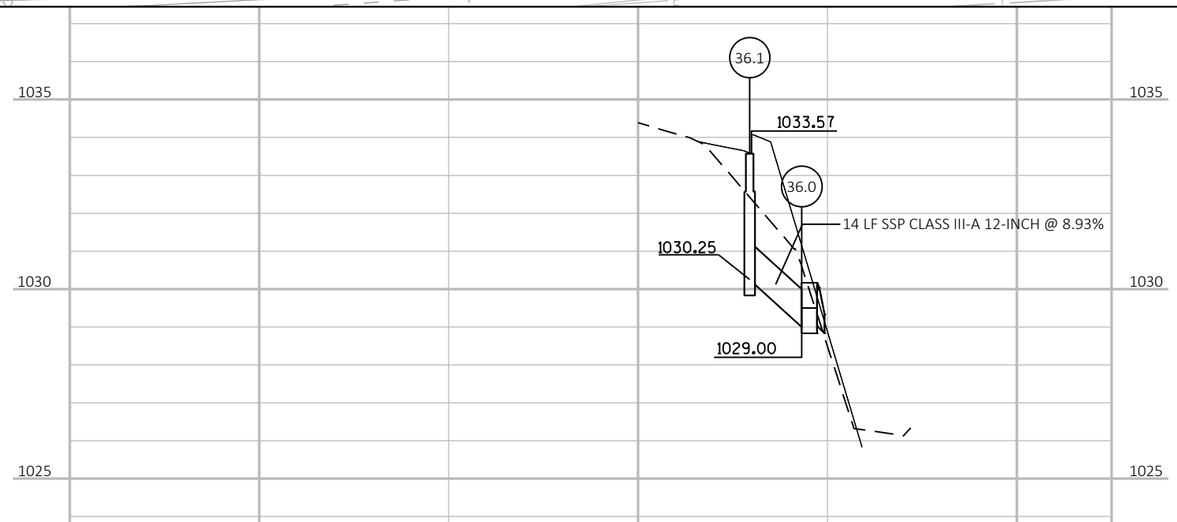
33+00W 34+00W 35+00W 36+00W 37+00W 38+00W

34+00E 35+00E 36+00E

USH 10 EB

WE ENERGIES

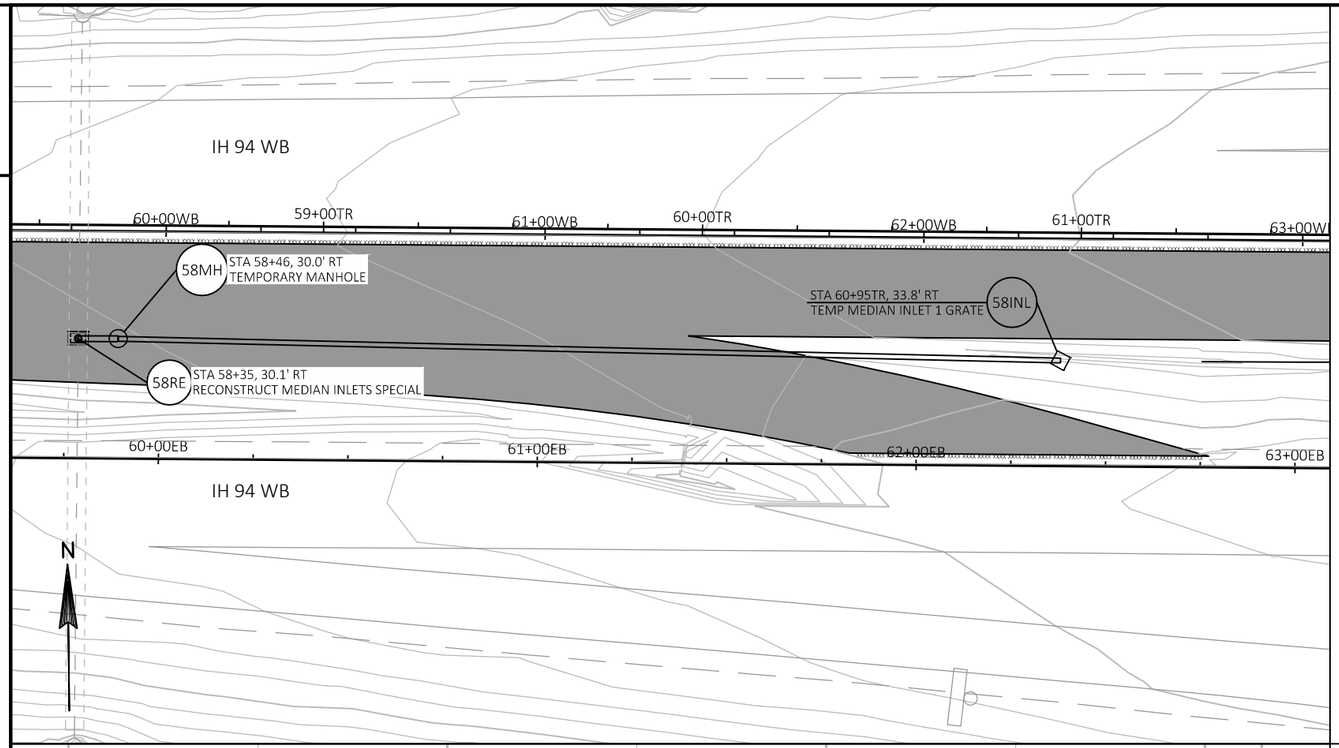


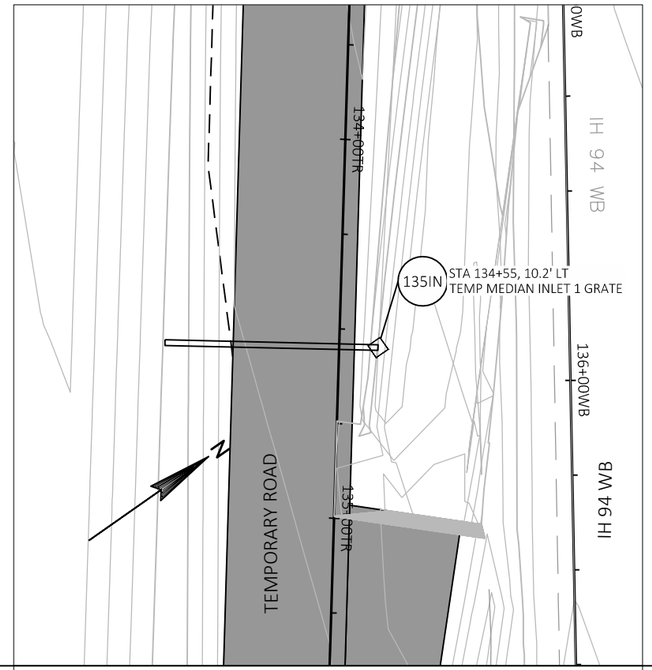


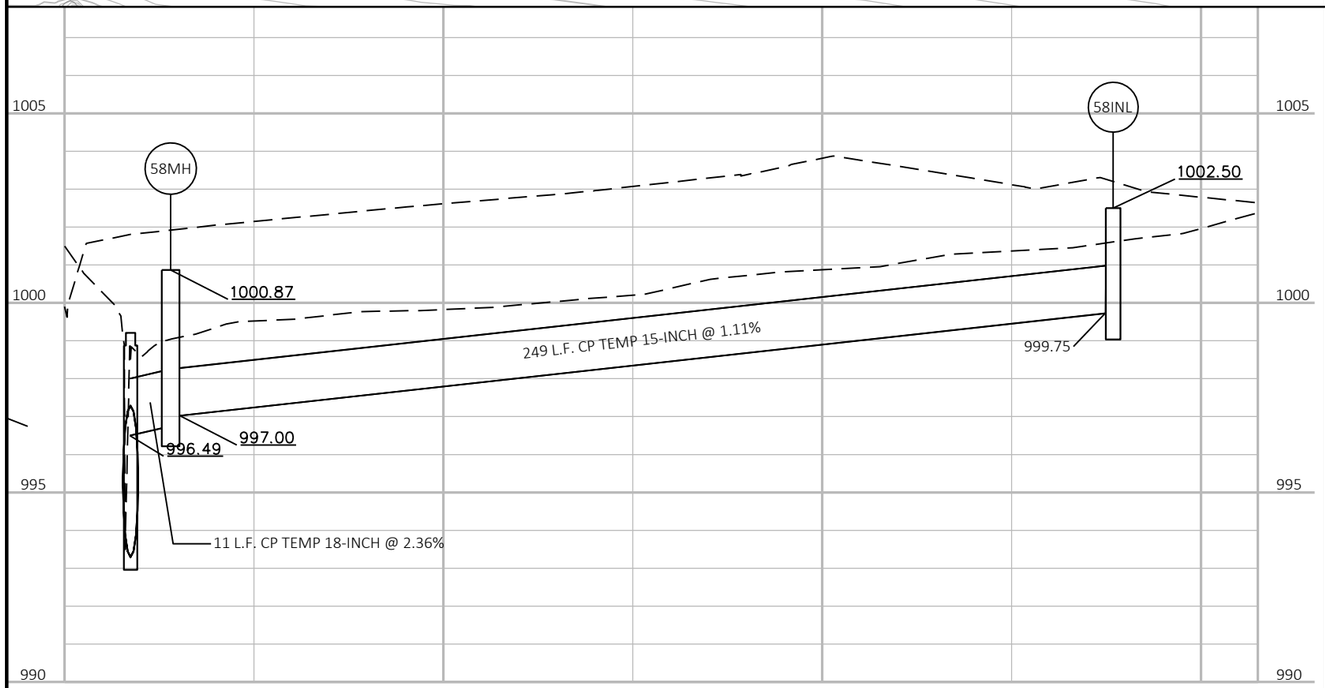
NOTE: PROFILE ELEVATIONS SHOWN ARE FLOW LINE ELEVATIONS AT CASTING AND PIPE.
SEE "MISCELLANEOUS QUANTITIES" FOR MORE INFORMATION

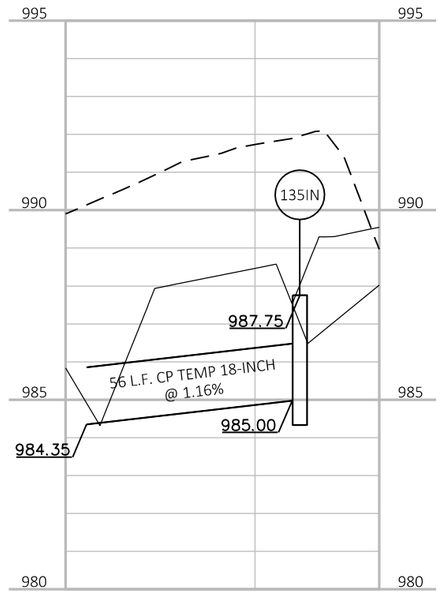
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	STORM SEWER	SHEET 112	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 2
PLOT DATE : 4/13/2021 12:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41









PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TEMPORARY DRAINAGE	SHEET 113	E

2

LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

3 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH, WHITE (3-FT LINE 9-FT SKIP)

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

6 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH, WHITE

SINGLE DELINEATOR WITH POST (WHITE)

DOUBLE DELINEATOR WITH POST (YELLOW)

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

N

Hwy NN

BUFFALO RIVER

ESTR

RIPRAP

INL

35+00WB

IH 94 WB

40+00WB

45+00WB

50+00WB

CTH NN

35+00EB

IH 94 EB

40+00EB

45+00EB

50+00EB

12'

STA. 40+00WB, 12' LT MATCH EXISTING

STA. 40+00WB, 0' MATCH EXISTING

STA. 39+66EB, 0' RT MATCH EXISTING

STA. 39+66EB, 12' RT MATCH EXISTING

STA. 45+50WB, 24' LT MATCH EXISTING

STA. 44+50EB, 24' RT MATCH EXISTING

EXISTING SIS SIGN

PROPOSED SIS SIGN

SIGN

CONTACT INTERSTATE LOGOS - WISCONSIN FOR SIGN REMOVAL

INSTALLED BY OTHERS CONTACT INTERSTATE LOGOS - WISCONSIN

WEST INTERSTATE 94

MATCH LINE STA. 50+00.00 EB

LEGEND

EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE

PROPOSED SIGN MOUNTED ON POST(S)

XR-XX DENOTES SIGN TO BE REMOVED

X-XX DENOTES SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

N

MATCH LINE STA. 50+00.00 EB

MATCH LINE STA. 64+00.00 EB

55+00WB

60+00WB

55+00EB

60+00EB

400' (TYP.)

100' (TYP.)

STA. 53+86WB, 24' LT

STA. 58+18WB, 36' LT

STA. 58+19EB, 24' RT

STA. 60+43WB, 24' LT

STA. 60+08EB, 24' RT

STA. 60+69NW, 15' RT MATCH EXISTING

STA. 62+68WB, 24' LT

STA. 63+64EB, 24' RT

STA. 63+33NW, 0'

STA. 100+89NE, 10' LT

STA. 101+74NE, 2' RT

NE RAMP (WB ON-RAMP)

NW RAMP (EB OFF-RAMP)

15'

R3-4B 36"X48"

D10-2 12"X36"

R3-4B 36"X48"

W3-3 36"X36"

E5-1A 72"X60"

R7-64 48"X30"

NO PARKING ON RAMP

EXIT 88

10 Osseo Fairchild

EAST 10 WEST 10

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 114	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\SIGNING & MARKING\024501-PM.DWG
LAYOUT NAME - BEGIN - 64+00 (1)

PLOT DATE : 10/31/2018 5:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

LEGEND

- EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- XR-XX DENOTES SIGN TO BE REMOVED
- X-XX DENOTES SIGN NUMBER
- ESTR EXISTING SIGN TO REMAIN

EXISTING SIS SIGN

RIPRAP

ESTR

STA. 109+50NE, 15' LT
MATCH EXISTING

110+00NE

NE RAMP (WB ON-RAMP)

100' (TYP.)

15'

105+00NE

STA. 105+64NE, 0'

2R-01

STA. 111+92NE, 0'
MATCH EXISTING

2R-02

NO PARKING ON RAMP
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
R7-64
48"X30"

2-02

PEDESTRIANS BICYCLES NON-MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED
R5-57
36"X36"

2-03

STA. 112+93NE, 16' LT
MATCH EXISTING

WRONG WAY
R5-1A
36"X24"

2-04

2R-03

STA. 114+72NE, 38' LT

115+00NE

35+00E

SE RAMP
(WB OFF-RAMP)

2R-04

2R-05

2R-06

2-06

2R-07

ONLY ONLY
R3-8P
54"X30"

2-07

SEE "PAVEMENT MARKING AND PERMANENT SIGNING - USH 10" FOR ADDITIONAL DETAILS ON USH 10

400' (TYP.)

GAS
FOOD
DIESEL
LODGING
HOSPITAL
CAMPING

CONTACT INTERSTATE LOGOS - WISCONSIN FOR SIGN REMOVAL

65+00WB

70+00WB

IH 94 WB

75+00WB

STA. 67+43WB, 24' LT

12'

65+00EB

70+00EB

IH 94 EB

75+00EB

30+00W

STA. 65+14NW, 0' LT
MATCH EXISTING

65+00NW

NW RAMP (EB OFF-RAMP)

15'

2-22

EAST 10 WEST 10 ALT 94 INTERSTATE
J2-3
72"X57"

Augusta
Fairchild
Osseo

2R-08

2-08

SEE SIGN DETAILS

Augusta
Fairchild
Osseo
D1-3
66"X36"

2-09

2R-09

ONLY ONLY
R3-8P
54"X30"

2-14

WRONG WAY
R5-1A
36"X24"

2R-14

WRONG WAY

2-15

STOP
R1-1F
36"X36"

2-16
A,B,C

STOP

DIVIDED HIGHWAY
R6-3
24"X18"

2R-15

2R-16

2-17

A

B

C

USH 10 WB

USH 10 EB

30+00E

DO NOT ENTER
R5-1-C
30"X30"

2-19

2R-19

2-01

2-21

W4-1R
48"X48"

2R-21

STA. 81+92SW, 0'
MATCH EXISTING

STA. 81+92SW, 15' RT
MATCH EXISTING

STA. 78+01SW, 0' LT
MATCH EXISTING

NO PARKING ON RAMP
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

2R-20

80+00SW

SW RAMP (EB ON-RAMP)

15'

STA. 79+69SW, 0' LT
MATCH EXISTING

2-20

NO PARKING ON RAMP
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
R7-64
48"X30"

STA. 78+49SW, 16' RT
MATCH EXISTING

2R-18

2-18

PEDESTRIANS BICYCLES NON-MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED
R5-57
36"X36"

SEE "PAVEMENT MARKING AND PERMANENT SIGNING - USH 10" FOR ADDITIONAL DETAILS ON USH 10

GAS
FOOD
LODGING
HOSPITAL
CAMPING

CONTACT INTERSTATE LOGOS - WISCONSIN FOR SIGN REMOVAL

EXISTING SIS SIGN

ALT INTERSTATE 94 EAST 10 WEST 10

2R-10

2-10

EAST 10 WEST 10 ALT 94 INTERSTATE
J3-3
72"X57"

2R-11

2-11

WRONG WAY
R5-1A
36"X24"

STOP
R1-1F
36"X36"

2R-12

2-12
A,B,C

2R-13

2-13

W12-1D
24"X24"

25+00W

DIVIDED HIGHWAY

2R-17

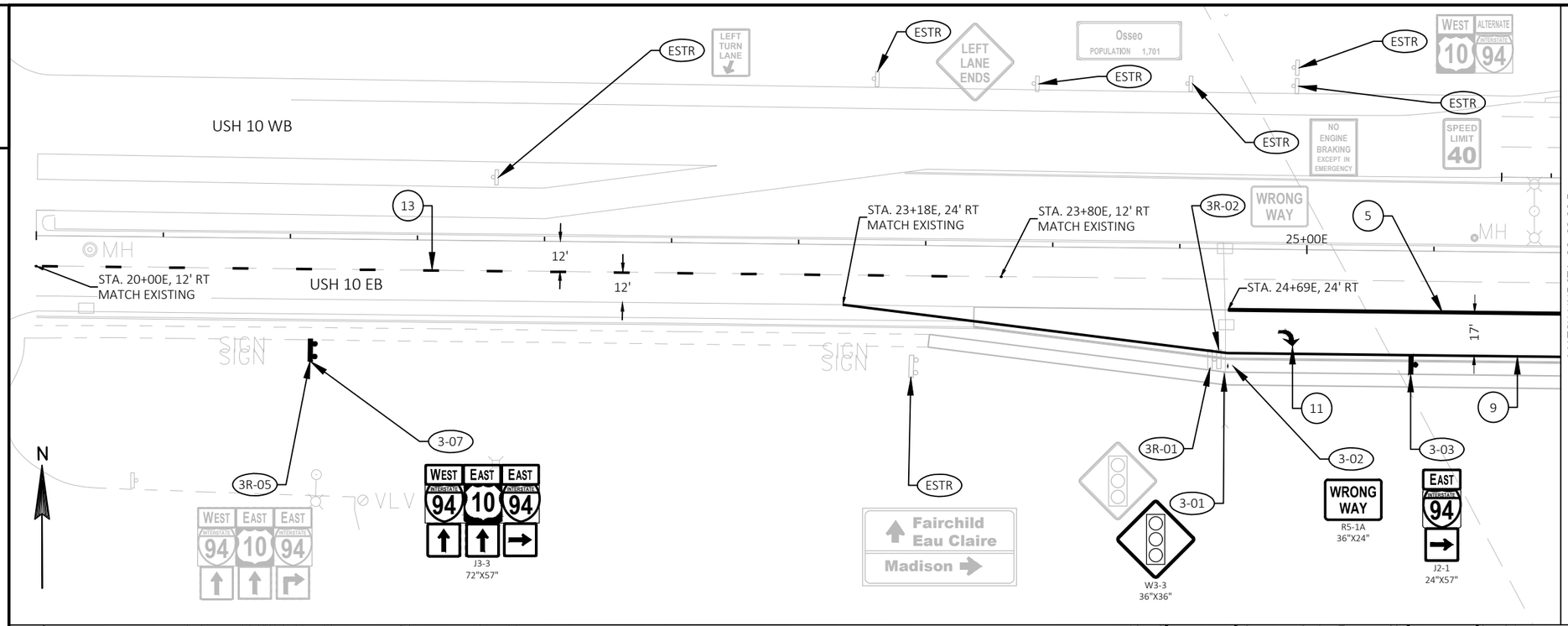
LEGEND

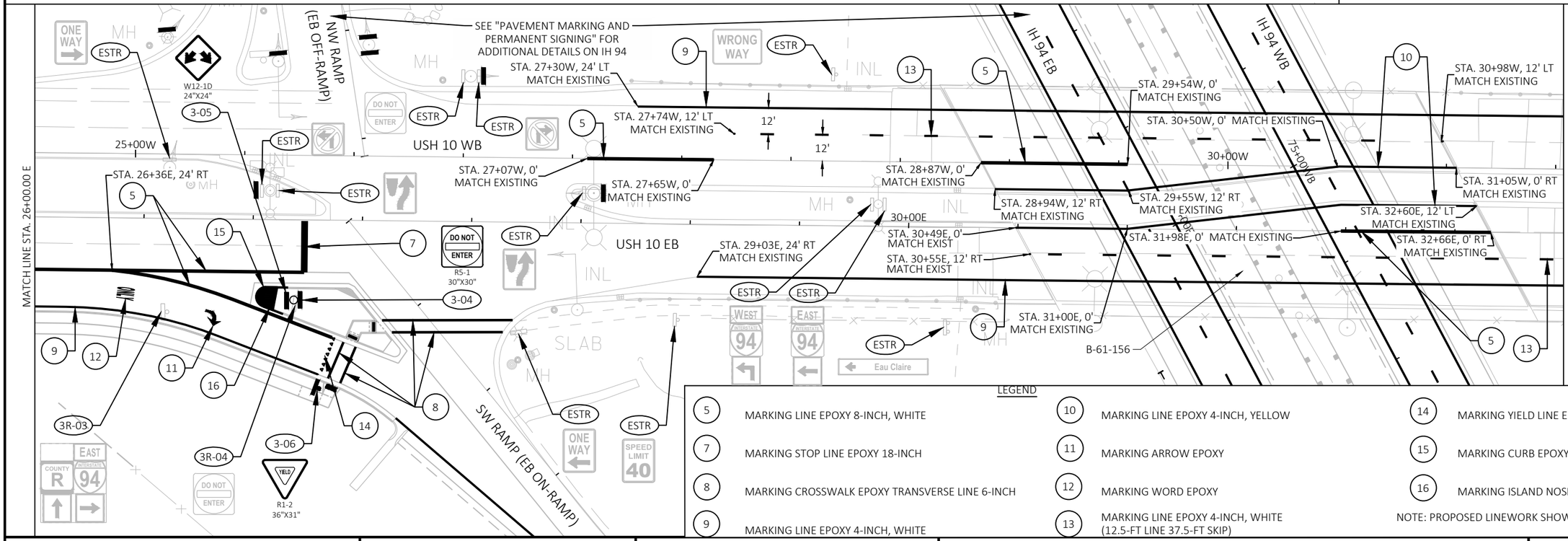
1. MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW
4. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)
6. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH, WHITE

⊣ SINGLE DELINEATOR WITH POST

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 115	E





LEGEND

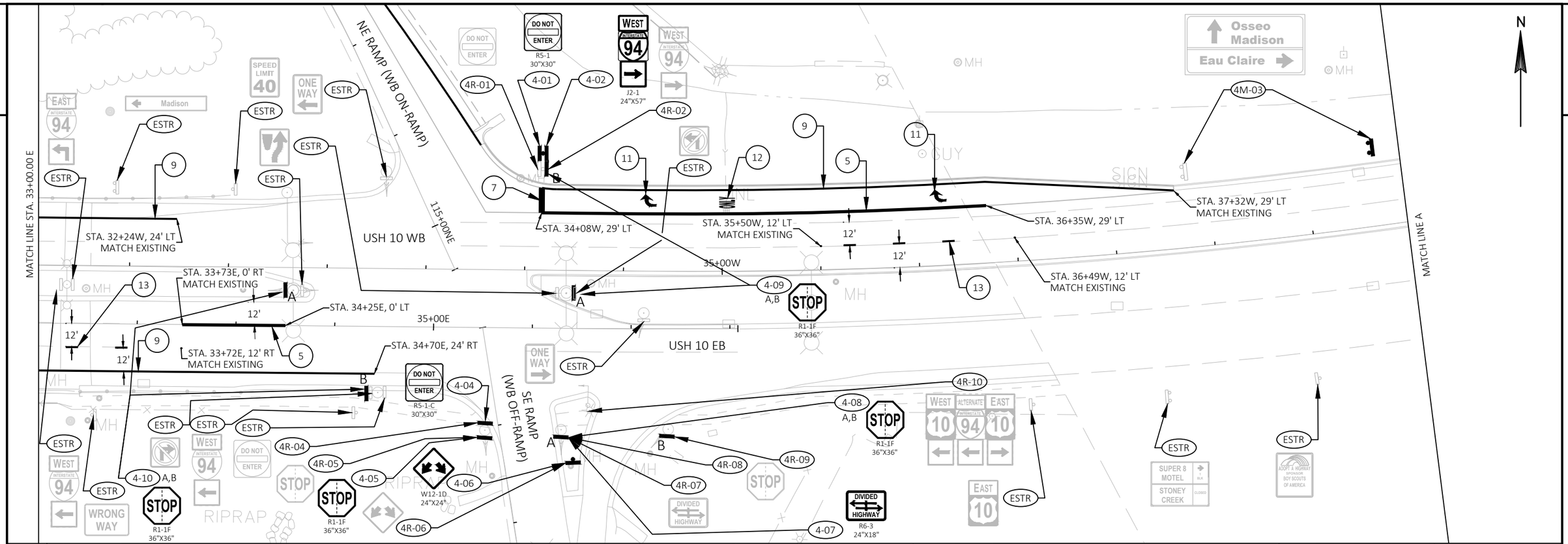
- EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- (XR-XX) DENOTES SIGN TO BE REMOVED
- (X-XX) DENOTES SIGN NUMBER
- (ESTR) EXISTING SIGN TO REMAIN

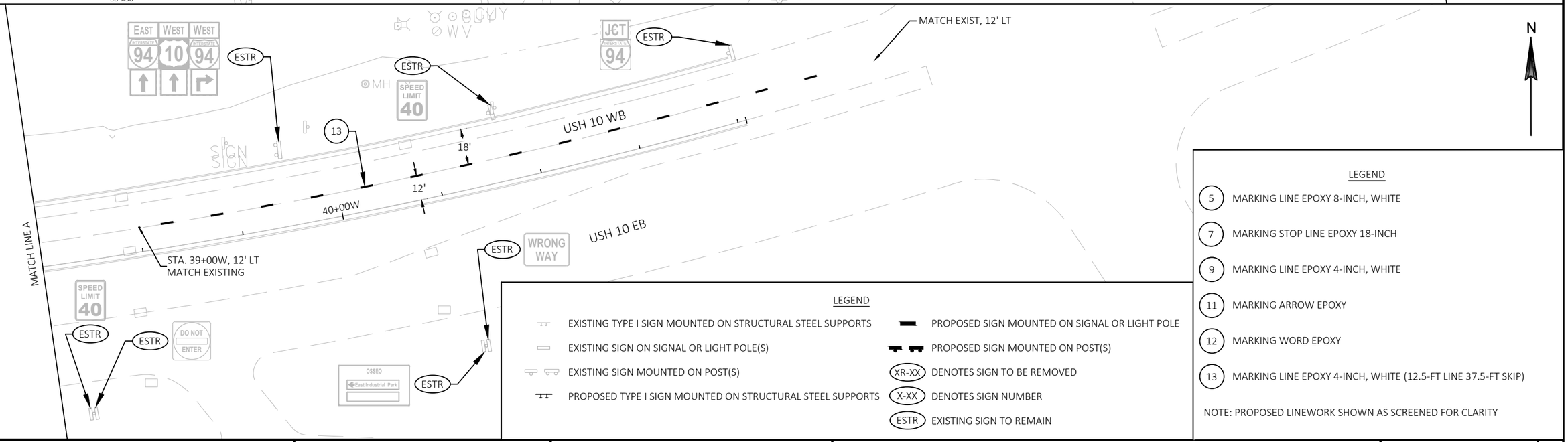
LEGEND

- (5) MARKING LINE EPOXY 8-INCH, WHITE
- (7) MARKING STOP LINE EPOXY 18-INCH
- (8) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (9) MARKING LINE EPOXY 4-INCH, WHITE
- (10) MARKING LINE EPOXY 4-INCH, YELLOW
- (11) MARKING ARROW EPOXY
- (12) MARKING WORD EPOXY
- (13) MARKING LINE EPOXY 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)
- (14) MARKING YIELD LINE EPOXY 18-INCH
- (15) MARKING CURB EPOXY
- (16) MARKING ISLAND NOSE

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING - USH 10	SHEET 116	E





LEGEND

- EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- XR-XX DENOTES SIGN TO BE REMOVED
- X-XX DENOTES SIGN NUMBER
- ESTR EXISTING SIGN TO REMAIN

LEGEND

- 5 MARKING LINE EPOXY 8-INCH, WHITE
- 7 MARKING STOP LINE EPOXY 18-INCH
- 9 MARKING LINE EPOXY 4-INCH, WHITE
- 11 MARKING ARROW EPOXY
- 12 MARKING WORD EPOXY
- 13 MARKING LINE EPOXY 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING - USH 10	SHEET 117	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\SIGNING & MARKING\024501-PM.DWG
LAYOUT NAME - USH 10 WB (4)
PLOT DATE : 4/23/2021 3:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

MATCH LINE STA. 79+00.00 EB

MATCH LINE STA. 94+00.00 EB

EXISTING SIS SIGN

Osseo
Augusta Fairchild

5R-01

5-01

CONTACT INTERSTATE LOGOS - WISCONSIN FOR SIGN REMOVAL

SEE SIGN DETAILS

Osseo
Augusta Fairchild

D1-3
66" X 36"

EXISTING SIS SIGN

CONTACT INTERSTATE LOGOS - WISCONSIN FOR SIGN REMOVAL

5R-02

5-02

WEST 10 | EAST 10 | COUNTY R

WEST 10 | ALTERNATE INTERSTATE 94 | EAST 10

J3-3
72"X57"

PROPOSED SIS SIGN

INSTALLED BY OTHERS
CONTACT INTERSTATE LOGOS - WISCONSIN

5R-03

5-03

NO PARKING ON RAMP
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

R7-64
48"X30"

5R-04

5-04

EXIT 88

E5-1A
72"X60"

5R-05

5-05

W3-3
36"X36"

5-06

WEST 10 | EAST 10 | ALTERNATE INTERSTATE 94

J2-3
72"X57"

N

2

STA. 122+85SE, 0' LT
MATCH EXISTING

STA. 124+32SE, 0' RT
MATCH EXISTING

125+00SE

400' (TYP.)

80+00WB

85+00WB

STA. 85+26WB, 24' LT

STA. 129+21SE, 0' LT
MATCH EXISTING

STA. 129+31SE, 15' LT
MATCH EXISTING

6

100' (TYP.)

130+00SE

15'

SE RAMP (WB OFF-RAMP)

IH 94 WB

12'

12'

90+00WB

STA. 90+88WB, 24' LT

3

STA. 92+82WB, 24' LT

1

1

2

4

80+00EB

12'

12'

STA. 81+97EB, 24' RT

85+00EB

90+00EB

90+00SW

IH 94 EB

STA. 85+23SW, 0'

85+00SW

SW RAMP (EB ON-RAMP)

15'

STA. 89+08SW, 2' LT

STA. 86+74EB, 24' RT

STA. 88+99EB, 24' RT

100' (TYP.)

STA. 91+24EB, 36' RT

6

3

1

2

1

CONTACT INTERSTATE LOGOS - WISCONSIN FOR SIGN REMOVAL

PROPOSED SIS SIGN

LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

3 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH, WHITE (3-FT LINE 9-FT SKIP)

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

6 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH, WHITE

SINGLE DELINEATOR WITH POST

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

LEGEND

EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE

PROPOSED SIGN MOUNTED ON POST(S)

XR-XX DENOTES SIGN TO BE REMOVED

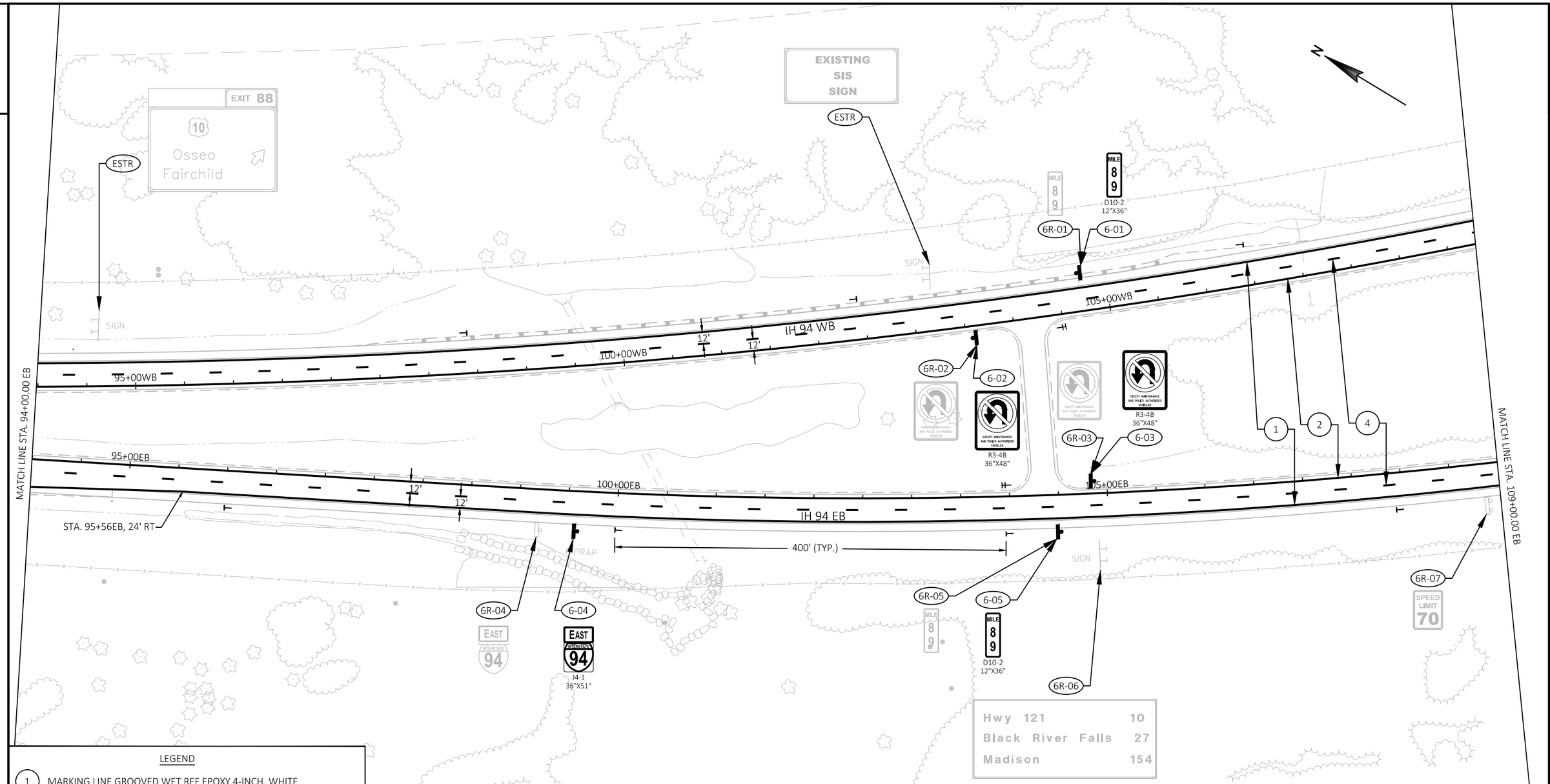
X-XX DENOTES SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 118	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\SIGNING & MARKING\024501-PM.DWG
LAYOUT NAME - 79+00 - 94+00 (5)
PLOT DATE : 4/13/2021 2:48 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



Hwy 121	10
Black River Falls	27
Madison	154

LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
2. MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW
4. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

SINGLE DELINEATOR WITH POST (WHITE)

DOUBLE DELINEATOR WITH POST (YELLOW)

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

LEGEND

- EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- (XR-XX) DENOTES SIGN TO BE REMOVED
- (X-XX) DENOTES SIGN NUMBER
- (ESTR) EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 119	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\SIGNING & MARKING\024501-PM.DWG
LAYOUT NAME - 94+00 - 109+00 (6)
PLOT DATE : 10/31/2018 5:07 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA. 109+00.00 EB

110+00WB

115+00WB

120+00WB

IH 94 WB

12'

12'

110+00EB

115+00EB

120+00EB

IH 94 EB

12'

12'

400' (TYP.)

MATCH LINE STA. 124+00.00 EB

1

2

4

7-01

SPEED LIMIT 70

R2-1
48"X60"

7-02

SLOWER TRAFFIC KEEP RIGHT

R4-3
48"X60"

LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

SINGLE DELINEATOR WITH POST

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

LEGEND

EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE

PROPOSED SIGN MOUNTED ON POST(S)

XR-XX DENOTES SIGN TO BE REMOVED

X-XX DENOTES SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

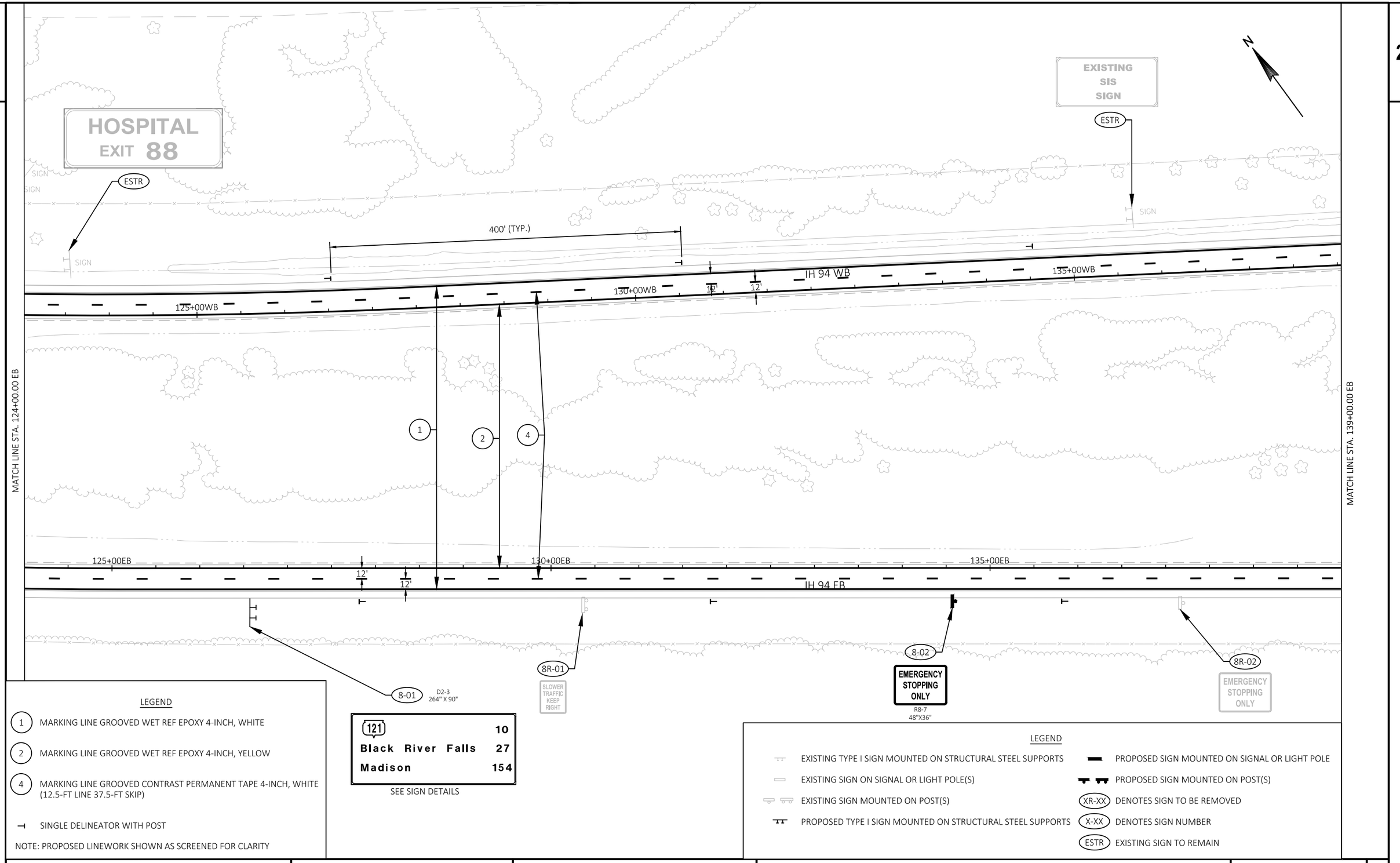
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 120 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\SIGNING & MARKING\024501-PM.DWG
LAYOUT NAME - 109+00 - 124+00 (7)

PLOT DATE : 10/31/2018 5:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

SINGLE DELINEATOR WITH POST

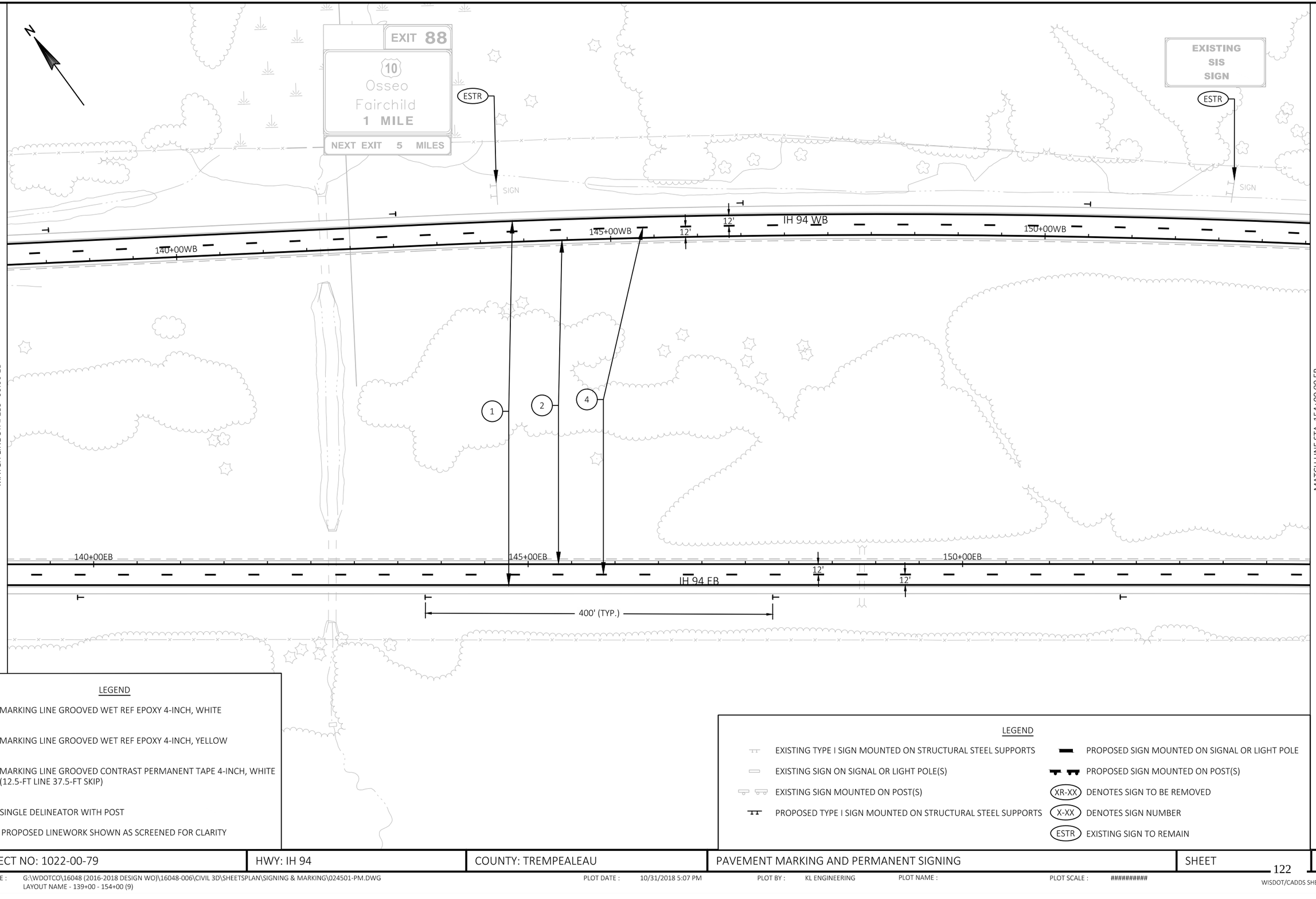
NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

LEGEND

- EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- XR-XX DENOTES SIGN TO BE REMOVED
- X-XX DENOTES SIGN NUMBER
- ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 121	E

2



LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

SINGLE DELINEATOR WITH POST

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

LEGEND

- EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- XR-XX DENOTES SIGN TO BE REMOVED
- X-XX DENOTES SIGN NUMBER
- ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 122	E

2

2

N

MILE 90

D10-2
12"X36"

10R-01

10-01

155+00WB

12'

12'

160+00WB

IH 94 WB

165+00WB

1

2

4

MATCH LINE STA. 154+00.00 EB

MATCH LINE STA. 169+00.00 EB

155+00EB

12'

12'

160+00EB

IH 94 EB

165+00EB

400' (TYP.)

10R-02

10-02

MILE 90

D10-2
12"X36"

LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

SINGLE DELINEATOR WITH POST

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

LEGEND

EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE

PROPOSED SIGN MOUNTED ON POST(S)

XR-XX DENOTES SIGN TO BE REMOVED

X-XX DENOTES SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 123	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\SIGNING & MARKING\024501-PM.DWG
LAYOUT NAME - 154+00 - 169+00 (10)
PLOT DATE : 10/31/2018 5:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

N

170+00WB

175+00WB

180+00WB

IH 94 WB

12'

12'

MATCH LINE STA. 169+00.00 EB

MATCH LINE STA. 184+00.00 EB

1

2

4

11-01

R3-4B
36"X48"

11-02

R3-4B
36"X48"

170+00EB

175+00EB

180+00EB

IH 94 EB

12'

12'

400' (TYP.)

LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

SINGLE DELINEATOR WITH POST (WHITE)

DOUBLE DELINEATOR WITH POST (YELLOW)

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

LEGEND

EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE

PROPOSED SIGN MOUNTED ON POST(S)

XR-XX DENOTES SIGN TO BE REMOVED

X-XX DENOTES SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 124	E

2

N

MATCH LINE STA. 184+00.00 EB

185+00WB

190+00WB

195+00WB

12'

12'

IH 94 WB

1

2

4

MATCH LINE STA. 199+00.00 EB

185+00EB

190+00EB

195+00EB

12'

12'

IH 94 EB

400' (TYP.)

W

FOUND

LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

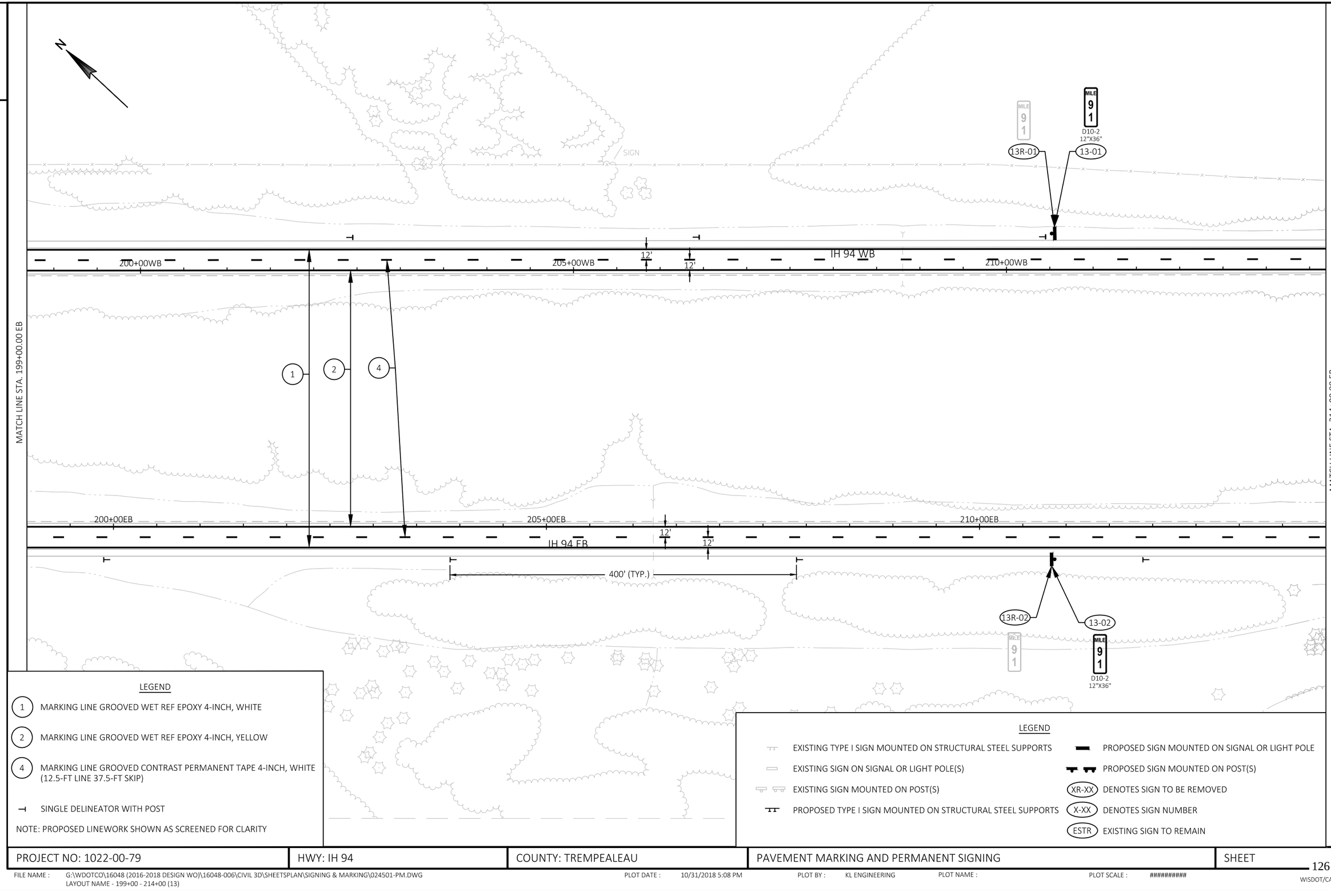
4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

⊣ SINGLE DELINEATOR WITH POST

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 125	E

2



LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

SINGLE DELINEATOR WITH POST

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

LEGEND

EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS

PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE

PROPOSED SIGN MOUNTED ON POST(S)

XR-XX DENOTES SIGN TO BE REMOVED

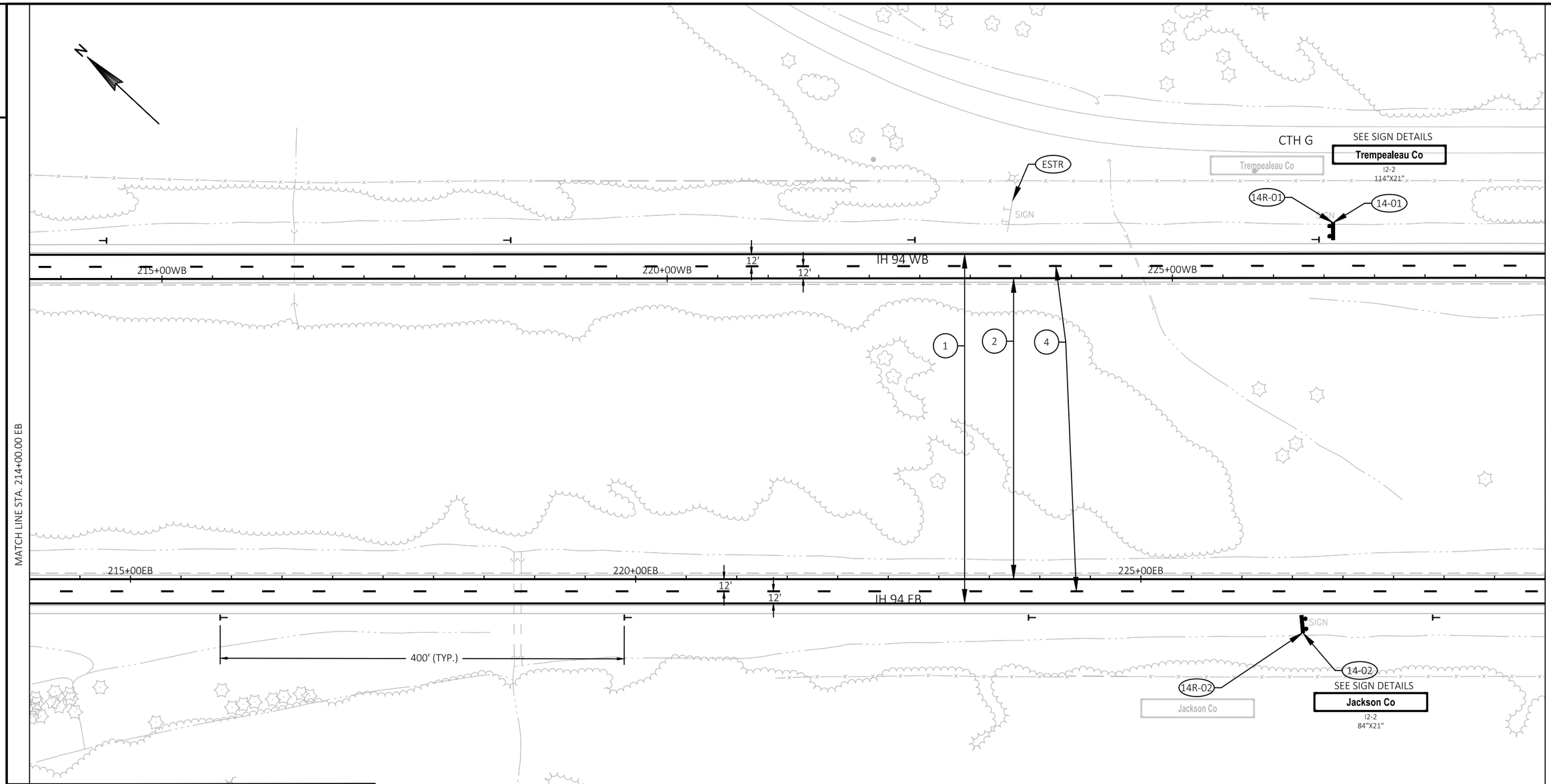
X-XX DENOTES SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\SIGNING & MARKING\024501-PM.DWG
LAYOUT NAME - 199+00 - 214+00 (13)
PLOT DATE : 10/31/2018 5:08 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

SINGLE DELINEATOR WITH POST

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

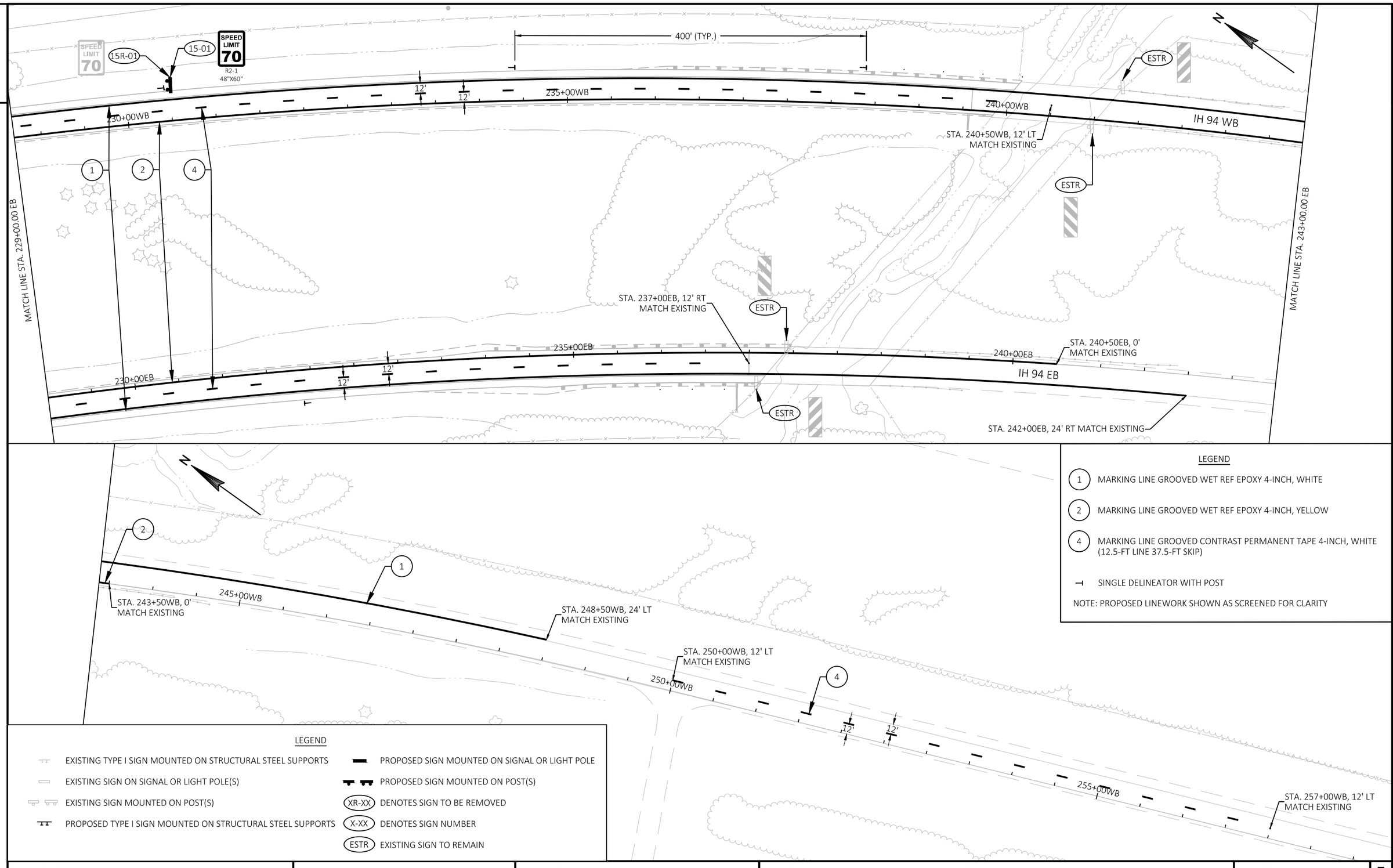
LEGEND

- EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- XR-XX DENOTES SIGN TO BE REMOVED
- X-XX DENOTES SIGN NUMBER
- ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\SIGNING & MARKING\024501-PM.DWG
LAYOUT NAME - 214+00 - 229+00 (14)

PLOT DATE : 10/31/2018 5:08 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########



LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH, YELLOW

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH, WHITE (12.5-FT LINE 37.5-FT SKIP)

SINGLE DELINEATOR WITH POST

NOTE: PROPOSED LINEWORK SHOWN AS SCREENED FOR CLARITY

LEGEND

- EXISTING TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- EXISTING SIGN ON SIGNAL OR LIGHT POLE(S)
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SUPPORTS
- PROPOSED SIGN MOUNTED ON SIGNAL OR LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- XR-XX DENOTES SIGN TO BE REMOVED
- X-XX DENOTES SIGN NUMBER
- ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 128 E

2

2

N

CONSTRUCTION NOTES

1.) THE LOCATIONS OF EXISTING AND PROPOSED INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

2.) EXISTING CONDUIT RUNS NO LONGER USED TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN ABANDONED CONDUIT.

3.) SALVAGE TYPE 3 POLE, TROMBONE ARM, TRANSFORMER BASE, SIGNAL HEAD 4E, BACKPLATES, LUMINAIRE ARM AND SIGNAL MOUNTING HARDWARE AT SB47 AND RETURN TO WISDOT.

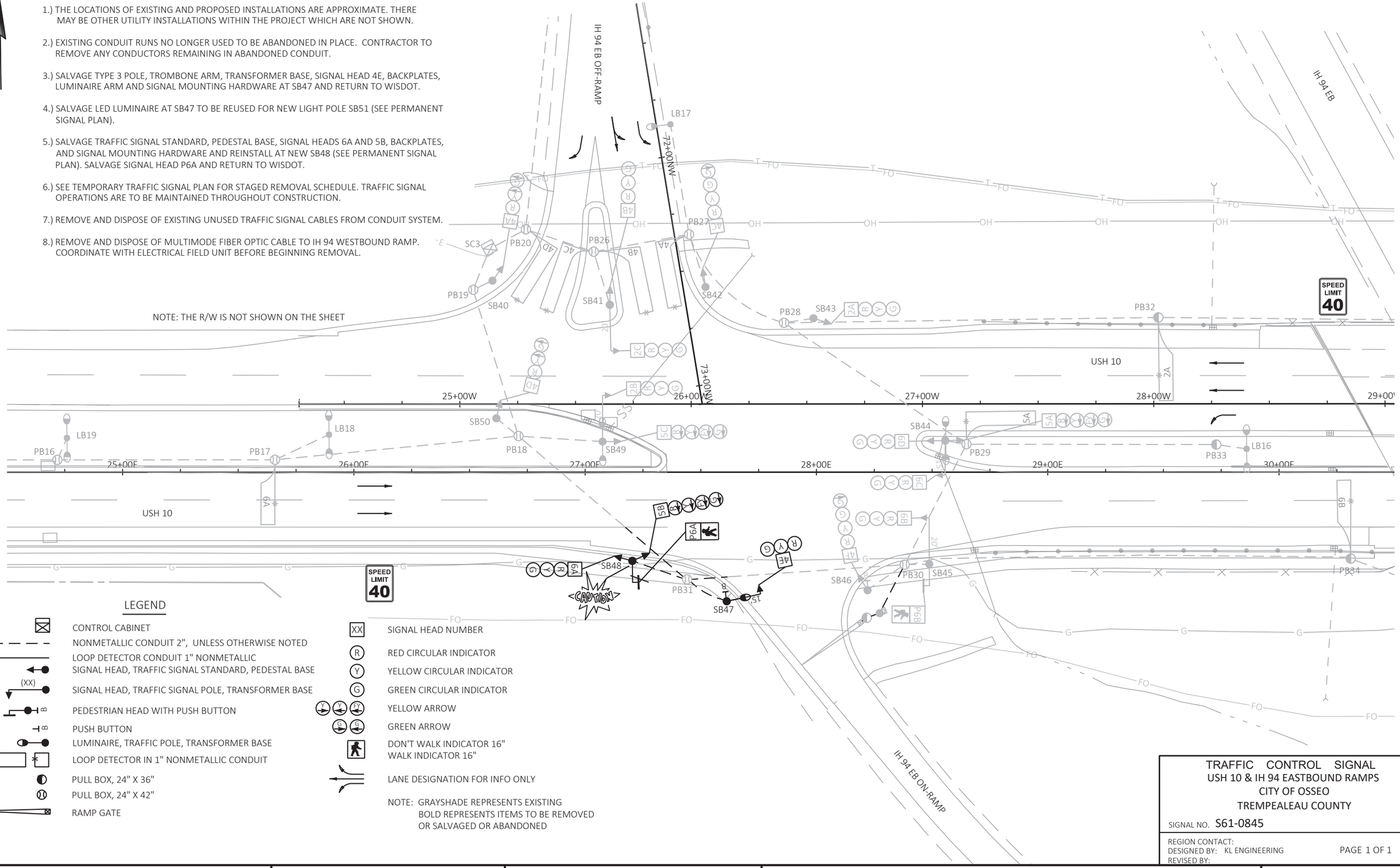
4.) SALVAGE LED LUMINAIRE AT SB47 TO BE REUSED FOR NEW LIGHT POLE SB51 (SEE PERMANENT SIGNAL PLAN).

5.) SALVAGE TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL HEADS 6A AND 5B, BACKPLATES, AND SIGNAL MOUNTING HARDWARE AND REINSTALL AT NEW SB48 (SEE PERMANENT SIGNAL PLAN). SALVAGE SIGNAL HEAD P6A AND RETURN TO WISDOT.

6.) SEE TEMPORARY TRAFFIC SIGNAL PLAN FOR STAGED REMOVAL SCHEDULE. TRAFFIC SIGNAL OPERATIONS ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION.

7.) REMOVE AND DISPOSE OF EXISTING UNUSED TRAFFIC SIGNAL CABLES FROM CONDUIT SYSTEM.

8.) REMOVE AND DISPOSE OF MULTIMODE FIBER OPTIC CABLE TO IH 94 WESTBOUND RAMP. COORDINATE WITH ELECTRICAL FIELD UNIT BEFORE BEGINNING REMOVAL.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- RAMP GATE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS ITEMS TO BE REMOVED OR SALVAGED OR ABANDONED

TRAFFIC CONTROL SIGNAL
USH 10 & IH 94 EASTBOUND RAMPS
CITY OF OSSEO
TREMPEALEAU COUNTY

SIGNAL NO. S61-0845

REGION CONTACT:
DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 129	E

TEMPORARY SIGNAL MAJOR ITEMS SUMMARY (FOR INFORMATION ONLY)	
QUANT.	ITEM
3	CLASS 4 WOOD POLES (EA)
400	SPAN WIRE DISTANCE ANCHOR AND GUY AS NEEDED (LF)
1	TEMPORARY ARMS AND LUMINAIRES, LED C (EA)
3	TEMPORARY SIGNAL HEADS 12" (EA)
1	TEMPORARY COUNTDOWN PEDESTRIAN SIGNAL (EA)
1	TEMPORARY SIGNAL BASES (EA)

ITEM	STATION	OFFSET
WP1	25+00W	52'LT
WP2	27+41E	83'RT
WP3	28+20E	58'RT

CONSTRUCTION NOTES:

1. CONTRACTOR IS TO MINIMIZE DOWNTIME OF SIGNAL HEADS AND ENSURE A MINIMUM OF 2 FAR SIGNAL INDICATIONS ARE FUNCTIONING FOR EACH MOVEMENT AT ALL TIMES.
2. POLES AND POSTS INSTALLED BEHIND CURB & GUTTER SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. CONTRACTOR IS TO ACTIVATE THE SIGNAL HEADS ON TSB1 BEFORE REMOVING TRAFFIC SIGNAL EQUIPMENT ON SB47 AND SB48. ALL OTHER EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE OPERATIONAL DURING TEMPORARY TRAFFIC CONTROL STAGE 3B.
5. INSTALL NEW TRAFFIC SIGNAL CABLE TO SB45 AND SB46 CLOCKWISE THROUGH SIGNAL CONDUIT RING (SC3 - PB20 - PB26 - PB27 - PB28 - PB29 - PB30) PRIOR TO OPERATION OF TEMPORARY TRAFFIC SIGNALS.
6. EXISTING SEQUENCE OF OPERATIONS AND SIGNAL TIMINGS SHALL BE UTILIZED DURING TEMPORARY TRAFFIC SIGNAL OPERATIONS. ALL CONNECTIONS IN THE SIGNAL CABINET AND SIGNAL TIMING CHANGES WILL BE COMPLETED BY WISDOT NORTHWEST REGION'S ELECTRICAL FIELD UNIT. COORDINATE WITH DEPARTMENT AT LEAST FIVE DAYS PRIOR TO MAKE ARRANGEMENTS AT (715) 577-3854.
7. PROPOSED TRAFFIC SIGNAL MODIFICATIONS SHALL BE COMPLETED PRIOR TO THE START OF TRAFFIC CONTROL STAGE 3C AND TEMPORARY TRAFFIC SIGNALS SHALL BE REMOVED.

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- OH — SPAN WIRE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PB — PUSH BUTTON
- LUMINAIRE
- CLASS 4 WOOD POLE
- TEMPORARY SIGNAL BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- RAMP GATE
- LANE DESIGNATION FOR INFO ONLY
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RA — RED ARROW
- YA — YELLOW ARROW
- GA — GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
USH 10 & IH 94 EASTBOUND RAMPS
CITY OF OSSEO
TREMPEALEAU COUNTY

SIGNAL NO. S61-0845

REGION CONTACT:
DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B	SHEET 130	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC SIGNALS\TEMP SIGNAL\STAGE 3B.DWG
PLOT DATE : 4/23/2021 3:49 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1:40

2

CONSTRUCTION NOTES

1.) THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

2.) INSTALL NEW TYPE 2 CONCRETE BASE, TYPE 2 POLE, 15-FT TROMBONE ARM, TRANSFORMER BASE, SIGNAL HEADS INDICATIONS, BACKPLATES, PEDESTRIAN PUSH BUTTON AND SIGN, AND SIGNAL MOUNTING HARDWARE AT SB47.

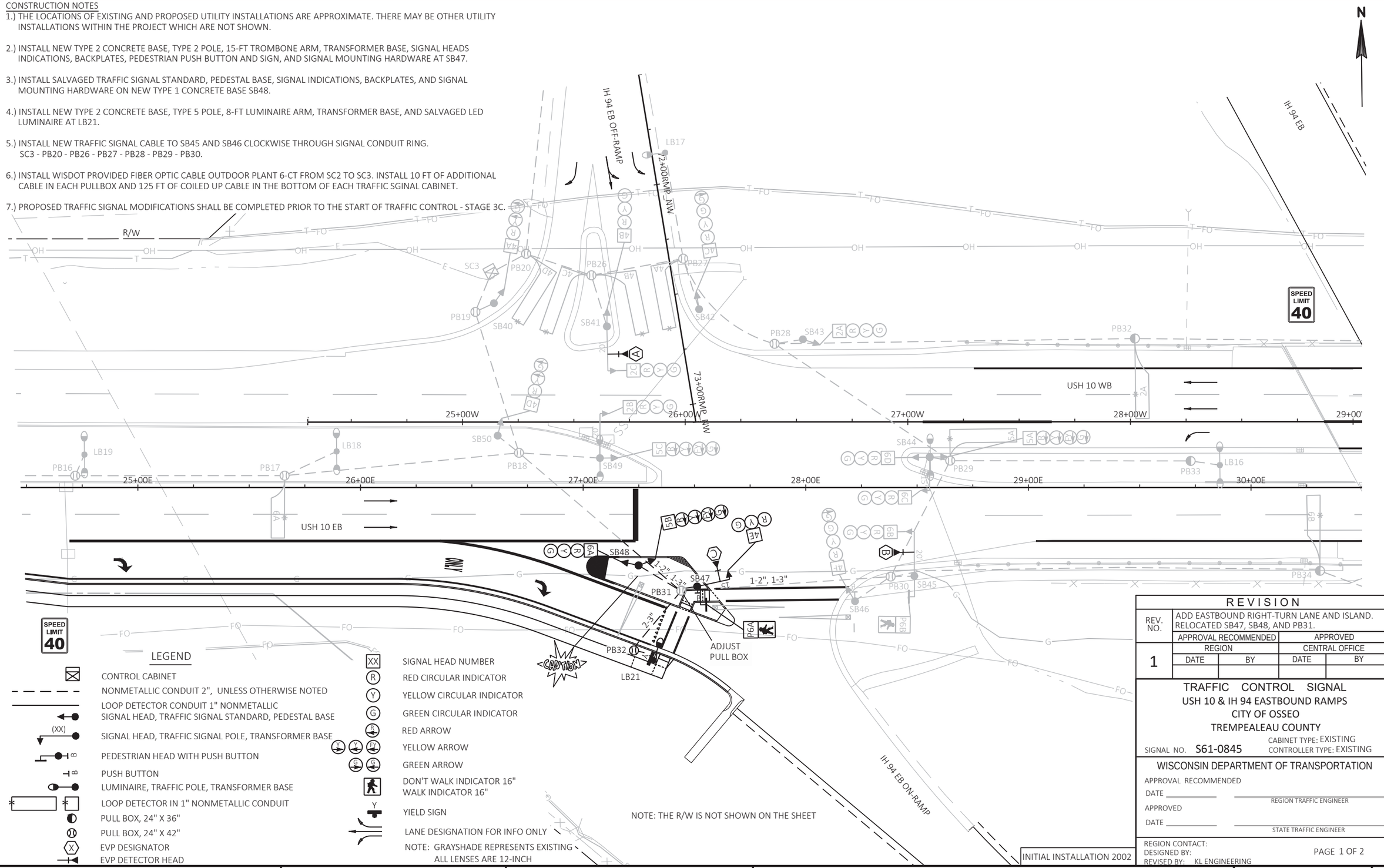
3.) INSTALL SALVAGED TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE ON NEW TYPE 1 CONCRETE BASE SB48.

4.) INSTALL NEW TYPE 2 CONCRETE BASE, TYPE 5 POLE, 8-FT LUMINAIRE ARM, TRANSFORMER BASE, AND SALVAGED LED LUMINAIRE AT LB21.

5.) INSTALL NEW TRAFFIC SIGNAL CABLE TO SB45 AND SB46 CLOCKWISE THROUGH SIGNAL CONDUIT RING.
SC3 - PB20 - PB26 - PB27 - PB28 - PB29 - PB30.

6.) INSTALL WISDOT PROVIDED FIBER OPTIC CABLE OUTDOOR PLANT 6-CT FROM SC2 TO SC3. INSTALL 10 FT OF ADDITIONAL CABLE IN EACH PULLBOX AND 125 FT OF COILED UP CABLE IN THE BOTTOM OF EACH TRAFFIC SGINAL CABINET.

7.) PROPOSED TRAFFIC SIGNAL MODIFICATIONS SHALL BE COMPLETED PRIOR TO THE START OF TRAFFIC CONTROL - STAGE 3C.



LEGEND

CONTROL CABINET	SIGNAL HEAD NUMBER
NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED	RED CIRCULAR INDICATOR
LOOP DETECTOR CONDUIT 1" NONMETALLIC	YELLOW CIRCULAR INDICATOR
SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE	GREEN CIRCULAR INDICATOR
SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE	RED ARROW
PEDESTRIAN HEAD WITH PUSH BUTTON	YELLOW ARROW
PUSH BUTTON	GREEN ARROW
LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE	DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
LOOP DETECTOR IN 1" NONMETALLIC CONDUIT	YIELD SIGN
PULL BOX, 24" X 36"	LANE DESIGNATION FOR INFO ONLY
PULL BOX, 24" X 42"	NOTE: GRAYSHADE REPRESENTS EXISTING ALL LENSES ARE 12-INCH
EVP DESIGNATOR	
EVP DETECTOR HEAD	

NOTE: THE R/W IS NOT SHOWN ON THE SHEET

INITIAL INSTALLATION 2002

REVISION

REV. NO.			APPROVED RECOMMENDED		APPROVED	
	ADD EASTBOUND RIGHT-TURN LANE AND ISLAND. RELOCATED SB47, SB48, AND PB31.		REGION		CENTRAL OFFICE	
1			DATE	BY	DATE	BY

TRAFFIC CONTROL SIGNAL
USH 10 & IH 94 EASTBOUND RAMPS
CITY OF OSSEO
TREMPEALEAU COUNTY

SIGNAL NO. S61-0845
CABINET TYPE: EXISTING
CONTROLLER TYPE: EXISTING

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY: KL ENGINEERING

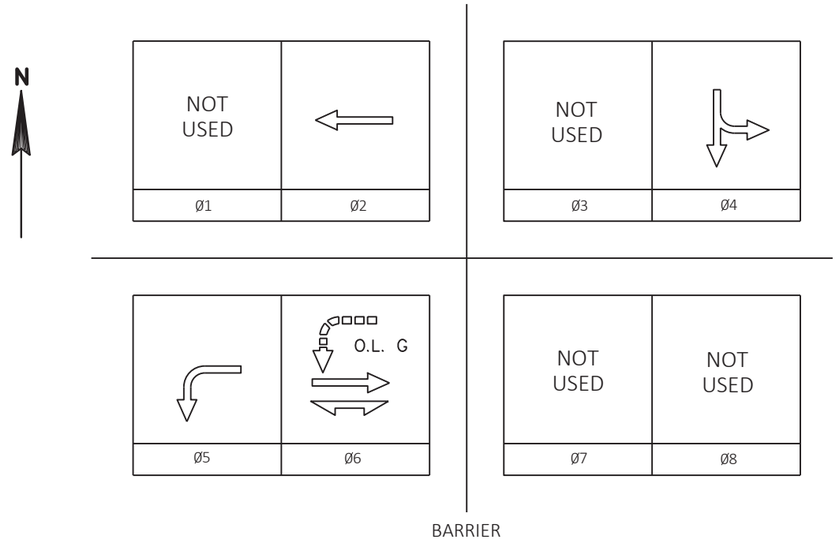
PAGE 1 OF 2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC SIGNAL PLAN	SHEET 131	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC SIGNALS\024201-SP.DWG
PLOT DATE : 4/23/2021 3:54 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	2A,2B,2C	R
Ø3		
Ø4	4A,4B,4C,4D,4F	R
Ø5	5A,5B, 5C	R
Ø6	6A,6B,6C	R
Ø7		
Ø8		
Ø2 PED		
Ø4 PED		
Ø6 PED	P6A,P6B	
Ø8 PED		
O.L."E"		
O.L."F"		
O.L."G"	5A, 5B, 5C	–
O.L."H"		



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 REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE DETECTOR	A	B	C
MOVEMENT	←	→	↓
PHASE	2+5	6	4

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION: CALLS AND EXTENDS	DETECTOR OPERATION: CALLS ONLY	DETECTOR OPERATION: EXTENDS ONLY	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE (FTXFT)	NUMBER OF TURNS
Ø2A	1	X			2	2				EXISTING	
Ø2B	2	X			2	2				EXISTING	
Ø4A	3	X			4	4				EXISTING	
Ø4B	4	X			4	4				EXISTING	
Ø4C	5	X			4	4		YES		EXISTING	
Ø4D	6	X			4	4		YES		EXISTING	
Ø4E	7			X		4			YES	EXISTING	
Ø5A	8	X			5	5				EXISTING	
Ø6A	9	X			6	6				EXISTING	
Ø6B	10	X			6	6	SYSTEM COUNTING LOOPS			EXISTING	
Ø6C	11	X			6	6	SYSTEM COUNTING LOOPS			EXISTING	
Ø10A	12	LOOP TO BE USED AS A BACK UP LOOP AND SYSTEM COUNTING LOOP								EXISTING	

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TRAFFIC CONTROL SIGNAL
USH 10 & IH 94 EASTBOUND RAMPS
CITY OF OSSEO
TREMPEALEAU COUNTY

SIGNAL NO. S61-0845

REGION CONTACT:
DESIGNED BY:
REVISED BY: KL ENGINEERING

PROJECT NO: 1022-00-79 | HWY: IH 94 | COUNTY: TREMPEALEAU | SEQUENCE OF OPERATIONS | SHEET 132 | E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC SIGNALS\024201-SP.DWG PLOT DATE : 4/23/2021 3:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

PROJECT ID:	1022-00-79
INTERSECTION:	USH 10 & IH 94 EB RAMPS

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: Apr-21

SC3 TO	JUMPER	AWG 14 # OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	D/WALK	WALK		
SB45		7	6B	RED	ORG	GRN								
			P6B								BLACK	BLU		
SB46		7	4F	RED	ORG	GRN				GRN				
			PB										WHT/BLK	
SB47		9	4E	RED	ORG	GRN								
			P6A								BLACK	BLU		
			PB										WHT/BLK	
SB48		9	6A	RED	ORG	GRN								
			5B				RED/BLK	ORG/BLK	GRN/BLK	BLK				

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SB50	SB47
SB47	SB48
SB48	LB21
LB21	SB45

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB31	SB47
PB32	LB21

LIGHTING UF 12 AWG W/ GROUND	
FROM	TO
SB49	LB21

EMERGENCY VEHICLE PREEMPT CABLE	
FROM	TO
SC3	SB41 ('A')
SC3	SB45 ('B')
SC3	SB47 ('C')

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
4. INSTALL NEW CABLE TO SB45 AND SB46 CLOCKWISE FROM SIGNAL CABINET (SC3 → PB20 → PB26 → PB27 → PB28 → PB29 → PB30).
5. REESTABLISH ALL EQUIPMENT GROUNDING CONDUCTORS AND PULL BOX BONDING AT SB45, SB46, SB47, SB48, & PB31 PER WISCONSIN ELECTRICAL CODE.

USH 10 & IH 94 EASTBOUND RAMPS
CITY OF OSSEO
TREMPEALEAU COUNTY

SIGNAL NO. S61-0845
CABINET TYPE: EXISTING
CONTROLLER TYPE: EXISTING

DATE: APRIL 2021
PAGE NO. 1 OF 1

CONSTRUCTION NOTES

1.) THE LOCATIONS OF EXISTING AND PROPOSED INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

2.) EXISTING CONDUIT RUNS NO LONGER USED TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN ABANDONED CONDUIT.

3.) SALVAGE TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL HEADS 8A AND P6D, BACKPLATES, PEDESTRIAN PUSH BUTTON AND SIGN, AND SIGNAL MOUNTING HARDWARE AT SB20.

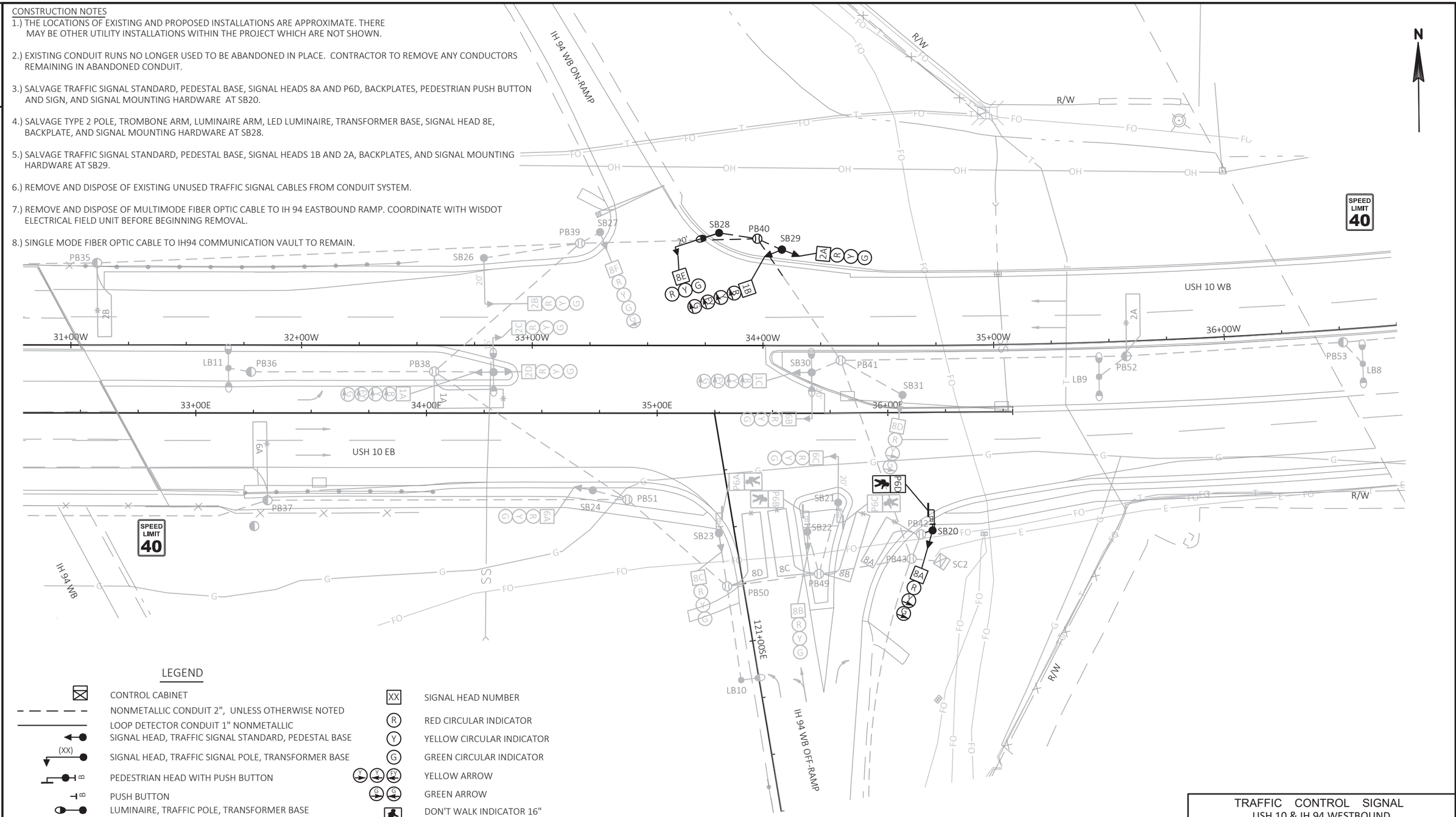
4.) SALVAGE TYPE 2 POLE, TROMBONE ARM, LUMINAIRE ARM, LED LUMINAIRE, TRANSFORMER BASE, SIGNAL HEAD 8E, BACKPLATE, AND SIGNAL MOUNTING HARDWARE AT SB28.

5.) SALVAGE TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL HEADS 1B AND 2A, BACKPLATES, AND SIGNAL MOUNTING HARDWARE AT SB29.

6.) REMOVE AND DISPOSE OF EXISTING UNUSED TRAFFIC SIGNAL CABLES FROM CONDUIT SYSTEM.

7.) REMOVE AND DISPOSE OF MULTIMODE FIBER OPTIC CABLE TO IH 94 EASTBOUND RAMP. COORDINATE WITH WISDOT ELECTRICAL FIELD UNIT BEFORE BEGINNING REMOVAL.

8.) SINGLE MODE FIBER OPTIC CABLE TO IH94 COMMUNICATION VAULT TO REMAIN.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- RAMP GATE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTE: GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS ITEMS TO BE REMOVED OR SALVAGED OR ABANDONED

TRAFFIC CONTROL SIGNAL
USH 10 & IH 94 WESTBOUND
CITY OF OSSEO
TREMPEALEAU COUNTY

SIGNAL NO. S61-0846

REGION CONTACT:
DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 134	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC SIGNALS\024001-SR.DWG
PLOT DATE : 4/23/2021 3:47 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 : 40

WISDOT/CADDS SHEET 42

NE QUADRANT STAGING AT S61-0846:

1.) PULL NEW PERMANENT CABLES TO SB26 & SB27 AS NOTED IN PLANS.

2.) INSTALL NEW CONCRETE BASES AT SB28 & SB29. INSTALL NEW PB40 WITH CONDUITS FROM NEW SB28 & SB29.

3.) REWORK CONDUIT FROM PB39. REMOVE FROM EXISTING PB40 AND INSTALL IN NEW PB40.

4.) PULL NEW PERMANENT LIGHTING CABLE FROM SB25 TO SB28.

5.) PULL TEMPORARY 5 CONDUCTOR SIGNAL CABLE AND GREEN 10 AWG CONDUCTOR FROM SB27 TO SB28 (USED FOR TEMPORARY OPERATION OF SIGNAL HEAD 8E.

6.) REMOVE SB28 POLE ASSEMBLY FROM EXISTING BASE AND INSTALL ON NEW BASE.

7.) REMOVE EXISTING CABLE FROM EXISTING SB28 & SB29 TO CABINET.

8.) COMPLETE REMAINING WORK AS NEEDED.

9.) REMOVE TEMPORARY JUMPER SIGNAL CABLE FROM SB27 TO SB28 AFTER PERMANENT CABLE IS READY FOR OPERATION.

NOTES:

- WISDOT TO MAKE ALL CONNECTIONS AND DISCONNECTIONS ON OPERATING SIGNAL WIRES.
- DOWNTIME ON SIGNAL HEAD 8E AND LUMINAIRE AT SB28 SHOULD BE MINIMIZED. DOWNTIME SHOULD NOT EXCEED 8 HOURS.

TRAFFIC CONTROL SIGNAL
USH 10 & IH 94 WESTBOUND RAMPS
CITY OF OSSEO
TREMPEALEAU COUNTY

SIGNAL NO. S61-0846

REGION CONTACT:
DESIGNED BY:
REVISED BY: KL ENGINEERING

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	NORTHEAST QUADRANT TRAFFIC SIGNAL STAGING PLAN	SHEET 135	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC SIGNALS\024201-SP.DWG PLOT DATE : 4/23/2021 3:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

CONSTRUCTION NOTES

1.) THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

2.) INSTALL SALVAGED TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL HEADS 8A AND P6D, BACKPLATES, PEDESTRIAN PUSH BUTTON AND SIGN, AND SIGNAL MOUNTING HARDWARE ON NEW TYPE 1 CONCRETE BASE AT SB20.

3.) INSTALL SALVAGED TYPE 2 POLE, TROMBONE ARM, LUMINAIRE ARM, LED LUMINAIRE, TRANSFORMER BASE, SIGNAL HEAD 8E, BACKPLATES, AND SIGNAL MOUNTING HARDWARE ON NEW TYPE 2 CONCRETE BASE AT SB28.

4.) INSTALL SALVAGED TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL HEADS 1B AND 2A, BACKPLATES, AND SIGNAL MOUNTING HARDWARE ON NEW TYPE 1 CONCRETE BASE AT SB29.

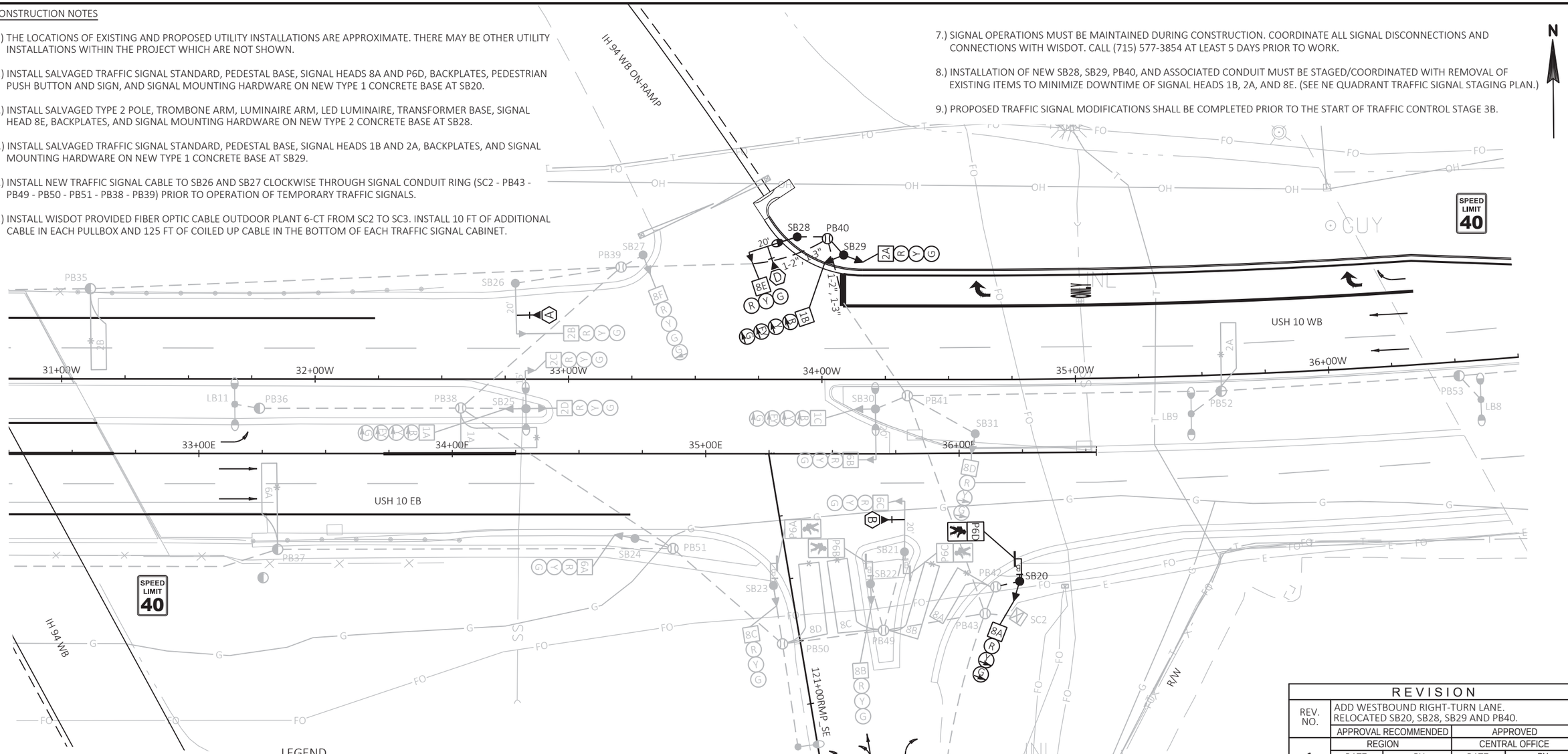
5.) INSTALL NEW TRAFFIC SIGNAL CABLE TO SB26 AND SB27 CLOCKWISE THROUGH SIGNAL CONDUIT RING (SC2 - PB43 - PB49 - PB50 - PB51 - PB38 - PB39) PRIOR TO OPERATION OF TEMPORARY TRAFFIC SIGNALS.

6.) INSTALL WISDOT PROVIDED FIBER OPTIC CABLE OUTDOOR PLANT 6-CT FROM SC2 TO SC3. INSTALL 10 FT OF ADDITIONAL CABLE IN EACH PULLBOX AND 125 FT OF COILED UP CABLE IN THE BOTTOM OF EACH TRAFFIC SIGNAL CABINET.

7.) SIGNAL OPERATIONS MUST BE MAINTAINED DURING CONSTRUCTION. COORDINATE ALL SIGNAL DISCONNECTIONS AND CONNECTIONS WITH WISDOT. CALL (715) 577-3854 AT LEAST 5 DAYS PRIOR TO WORK.

8.) INSTALLATION OF NEW SB28, SB29, PB40, AND ASSOCIATED CONDUIT MUST BE STAGED/COORDINATED WITH REMOVAL OF EXISTING ITEMS TO MINIMIZE DOWNTIME OF SIGNAL HEADS 1B, 2A, AND 8E. (SEE NE QUADRANT TRAFFIC SIGNAL STAGING PLAN.)

9.) PROPOSED TRAFFIC SIGNAL MODIFICATIONS SHALL BE COMPLETED PRIOR TO THE START OF TRAFFIC CONTROL STAGE 3B.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY
- NOTE: GRAYSHADE REPRESENTS EXISTING

REVISION				
REV. NO.	ADD WESTBOUND RIGHT-TURN LANE. RELOCATED SB20, SB28, SB29 AND PB40.			
	APPROVAL RECOMMENDED		APPROVED	
1	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY

TRAFFIC CONTROL SIGNAL
USH 10 & IH 94 WESTBOUND RAMPS
CITY OF OSSEO
TREMPEALEAU COUNTY

SIGNAL NO. S61-0846
CABINET TYPE: EXISTING
CONTROLLER TYPE: EXISTING

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

INITIAL INSTALLATION 2002

REGION CONTACT:
DESIGNED BY:
REVISED BY: KL ENGINEERING

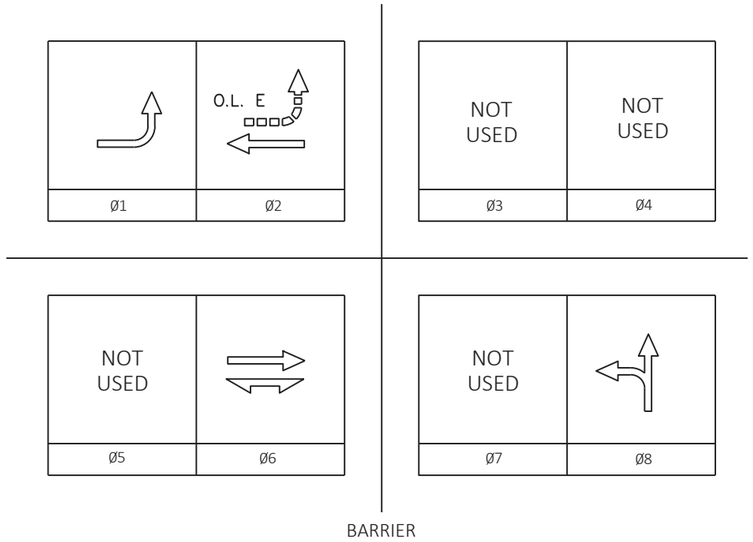
PAGE 1 OF 2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC SIGNAL PLAN	SHEET 136	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC SIGNALS\024201-SP.DWG PLOT DATE : 4/23/2021 3:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	1A,1B,1C	R
Ø2	2A,2B,2C,2D	R
Ø3		
Ø4		
Ø5		
Ø6	6A,6B,6C	R
Ø7		
Ø8	8A,8B,8C,8D,8E,8F	R
Ø2 PED		
Ø4 PED		
Ø6 PED	P6A,P6B,P6C,P6D	
Ø8 PED		
O.L."E"	1A, 1B, 1C	–
O.L."F"		
O.L."G"		
O.L."H"		



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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE DETECTOR	A	B	D
MOVEMENT	←	↱ →	↑
PHASE	2	1+6	8

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION: CALLS AND EXTENDS	DETECTOR OPERATION: CALLS ONLY	DETECTOR OPERATION: EXTENDS ONLY	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE (FTXFT)	NUMBER OF TURNS
Ø1A	1	X			Ø1	Ø1				EXISTING	
Ø2A	2	X			Ø2	Ø2				EXISTING	
Ø2B	3	X			Ø2	Ø2				EXISTING	
Ø6A	4	X			Ø6	Ø6				EXISTING	
Ø6B	5	X			Ø6	Ø6				EXISTING	
Ø8A	6	X			Ø8	Ø8		YES		EXISTING	
Ø8B	7	X			Ø8	Ø8		YES		EXISTING	
Ø8C	8	X			Ø8	Ø8				EXISTING	
Ø8D	9	X			Ø8	Ø8				EXISTING	
Ø8E	10			X		Ø10			YES	EXISTING	
Ø10A	11	LOOP TO BE USED AS A BACK UP LOOP AND SYSTEM COUNTING LOOP								EXISTING	

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TRAFFIC CONTROL SIGNAL
USH 10 & IH 94 WESTBOUND RAMPS
CITY OF OSSEO
TREMPEALEAU COUNTY

SIGNAL NO. S61-0846

REGION CONTACT:
DESIGNED BY:
REVISED BY: KL ENGINEERING

PROJECT NO: 1022-00-79 | HWY: IH 94 | COUNTY: TREMPEALEAU | SEQUENCE OF OPERATIONS | SHEET 137 | E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC SIGNALS\024201-SP.DWG PLOT DATE : 4/23/2021 3:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

PROJECT ID:	1022-00-79
INTERSECTION:	USH 10 & IH 94 WB RAMPS

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: Apr-21

SC2 TO	JUMPER	AWG 14 # OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	D/WALK	WALK		
SB20		9	8A	RED				ORG		GRN				
			P6D								BLK	BLU		
			PB										WHT/BLK	
SB26		7	2B	RED	ORG	GRN								
SB27		7	8F	RED	ORG	GRN				GRN				
SB28		7	8E	RED	ORG	GRN								
SB29		9	2A	RED	ORG	GRN								
			1B				RED/BLK	ORG/BLK	GRN/BLK	BLK				

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SC2	SB20
SB20	SB30
SB30	SB29
SB29	SB28
SB28	SB27

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB40	SB28

LIGHTING UF 12 AWG W/ GROUND	
FROM	TO
SB25	SB28

EMERGENCY VEHICLE PREEMPT CABLE	
FROM	TO
SC2	SB26 ('A')
SC2	SB21 ('B')
SC2	SB28 ('D')

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
4. INSTALL NEW CABLE TO SB26 AND SB27 CLOCKWISE FROM SIGNAL CABINET (SC2 → PB43 → PB49 → PB50 → PB51 → PB38 → PB39).
5. REESTABLISH ALL EQUIPMENT GROUNDING CONDUCTORS AND PULL BOX BONDING AT SB45, SB46, SB47, SB48, & PB31 PER WISCONSIN ELECTRICAL CODE.

USH 10 & IH 94 WESTBOUND RAMPS
CITY OF OSSEO
TREMPEALEAU COUNTY

SIGNAL NO. S61-0845
CABINET TYPE: EXISTING
CONTROLLER TYPE: EXISTING

DATE: APRIL 2021
PAGE NO. 1 OF 1

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CABLE ROUTING	SHEET 138	E

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- RAMP GATE
- SOLAR POWER SYSTEM
- PULL BOX, 24" X 36"

RAMP CLOSURE GATE SUMMARY

G-61-01 EXISTING
1 - RAMP CLOSURE GATES 30-FT
1 - CONCRETE BASES TYPE 5
1 - TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE

G-61-02
1 - RAMP CLOSURE GATES 24-FT
1 - CONCRETE BASES TYPE 5
1 - TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE

G-61-03 - SALVAGE & REINSTALL
1 - SALVAGE RAMP CLOSURE GATES 30-FT
1 - CONCRETE BASES TYPE 5
1 - SALVAGE TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE

G-61-04
1 - RAMP CLOSURE GATES 30-FT
1 - CONCRETE BASES TYPE 5
1 - TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE

G-61-05
1 - RAMP CLOSURE GATES 24-FT
1 - CONCRETE BASES TYPE 5
1 - TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE

CONSTRUCTION NOTES

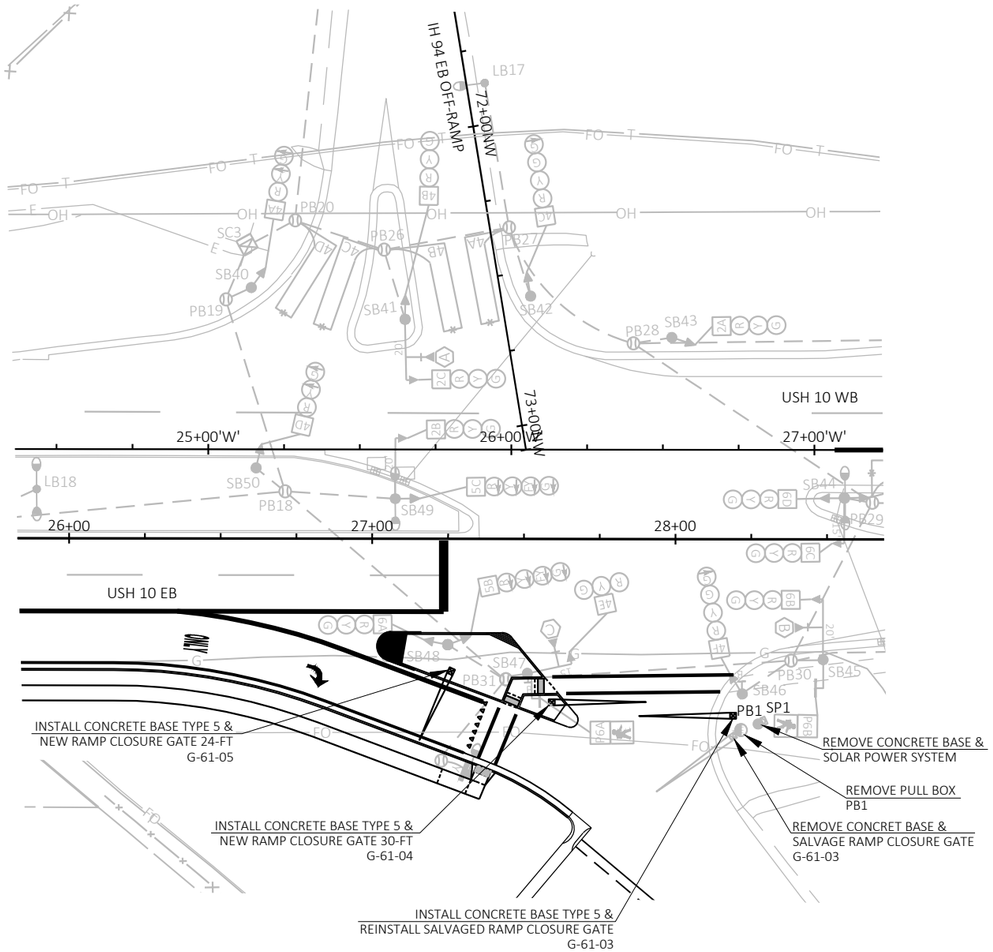
1.) THE LOCATIONS OF EXISTING AND PROPOSED INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

2.) NOTIFY THE NORTHWEST REGION ELECTRICAL UNIT AT (715) 577-3854 TO VERIFY RAMP GATE LOCATIONS 5 BUSINESS DAYS PRIOR TO POURING THE RAMP GATE CONCRETE BASE.

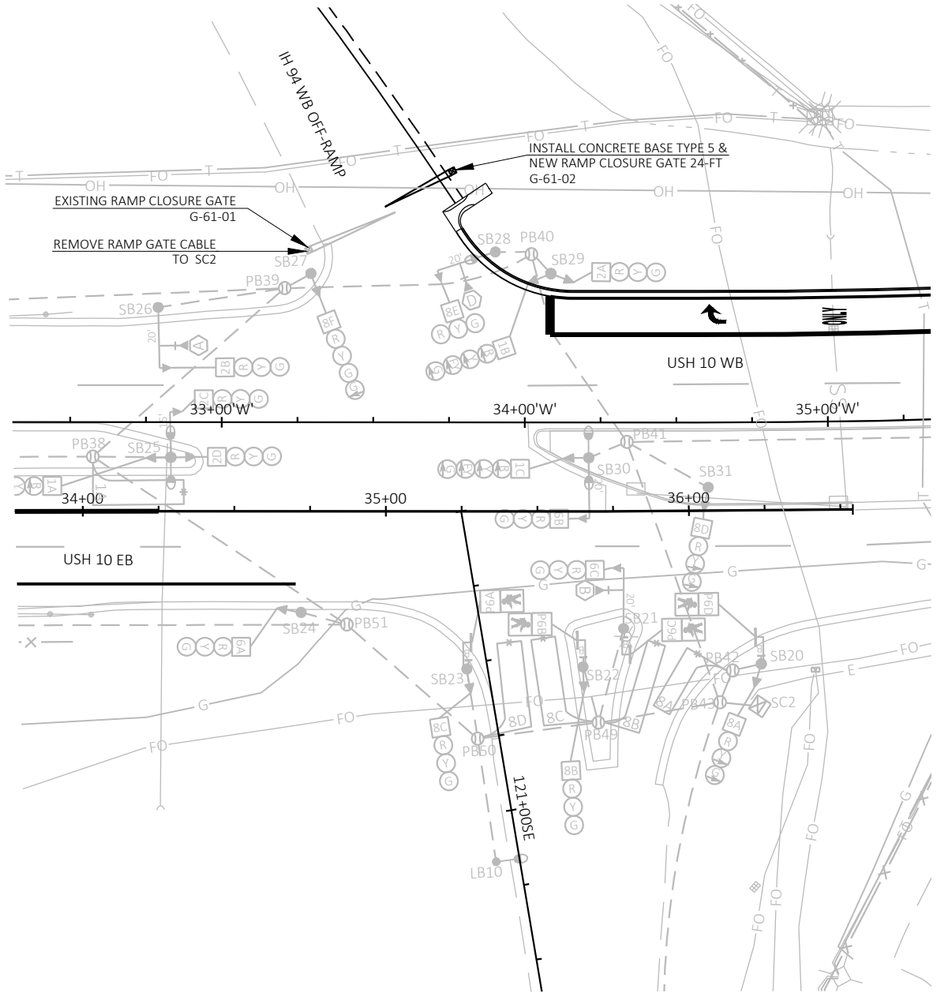
3.) REMOVE AND DISPOSE OF EXISTING UNUSED RAMP GATE CABLES FROM CONDUIT SYSTEM. EXISTING CONDUIT RUNS NO LONGER USED TO BE ABANDONED IN PLACE.

4.) RETURN ANY UNUSED ABOVEGROUND EQUIPMENT TO NW REGION ELECTRICAL SHOP AT 5009 USH 53 SOUTH, EAU CLAIRE, WI 54701.

N



USH 10 & IH 94 EASTBOUND RAMPS



USH 10 & IH 94 WESTBOUND RAMPS

RAMP CLOSURE GATES

USH 10 & IH 94 RAMPS
CITY OF OSSEO
TREMPEALEAU COUNTY

REGION CONTACT: JENNIFER BERG
DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	RAMP CLOSURE GATES	SHEET 139	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\TRAFFIC SIGNALS\024201-RG.DWG
PLOT DATE : 10/26/2021 2:52 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1:40

2

NOTES:

FIELD VERIFY LOCATIONS OF ALL EQUIPMENT WITH ENGINEER.

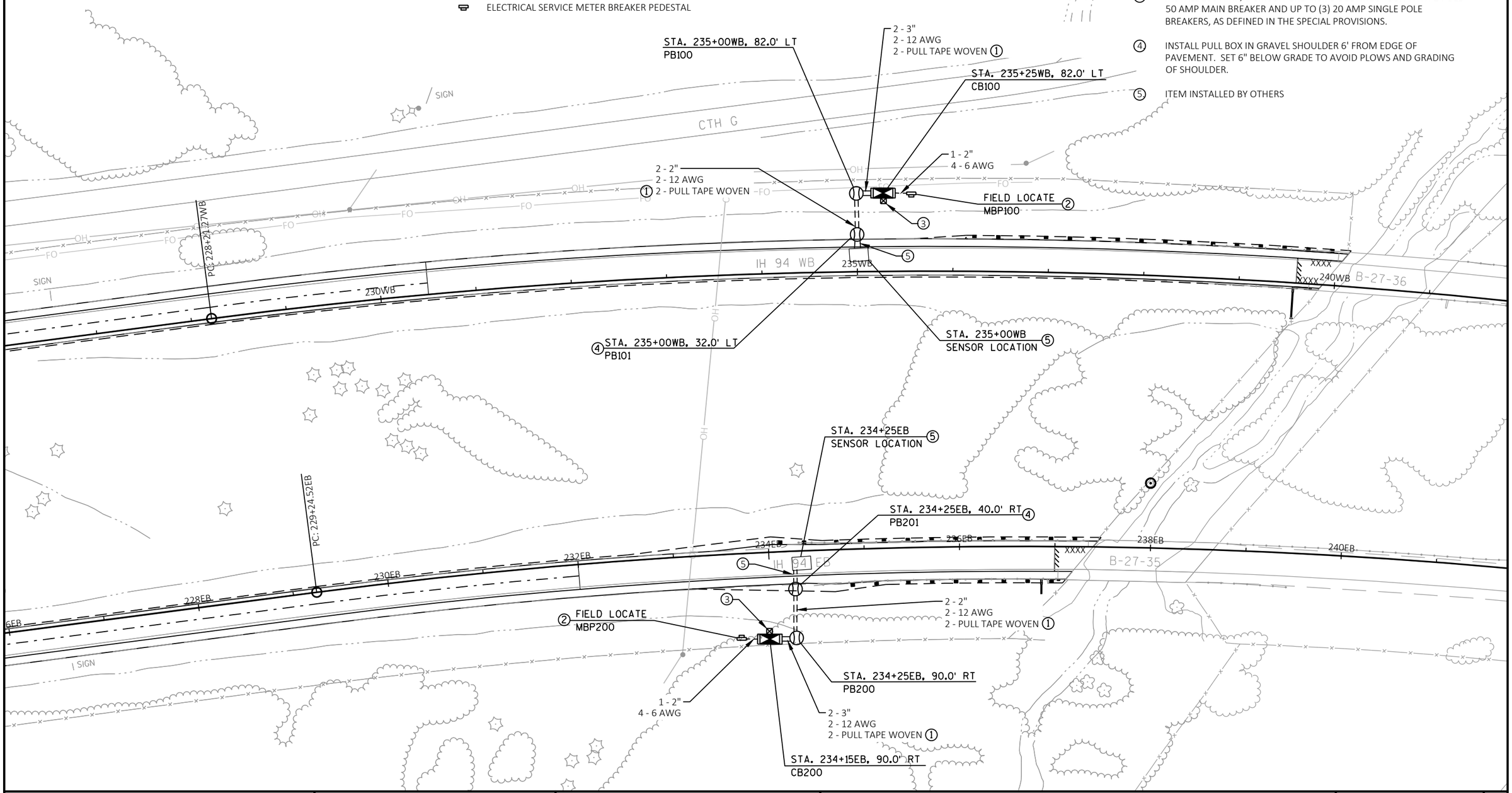
WISDOT FORCES SHALL INSTALL ALL ROADWAY SENSOR ITEMS BEYOND SHOULDER LOCATED PULL BOXES , AS WELL AS ALL CONTROL WIRING BACK TO THE COMMUNICATION CABINET.

LEGEND

- 24" X 42" NON-METALLIC PULL BOX LABELED WISDOT COMMUNICATIONS
- BREAKER BOX DISCONNECT
- CONDUIT RIGID NON-METALLIX SCHEDULE 40 2-INCH (UNLESS OTHERWISE NOTED)
- STATE FURNISHED GROUND MOUNT COMMUNICATIONS CABINET MOUNTED ON CONTRACTOR FURNISHED AND INSTALLED CONCRETE BASE
- ELECTRICAL SERVICE METER BREAKER PEDESTAL

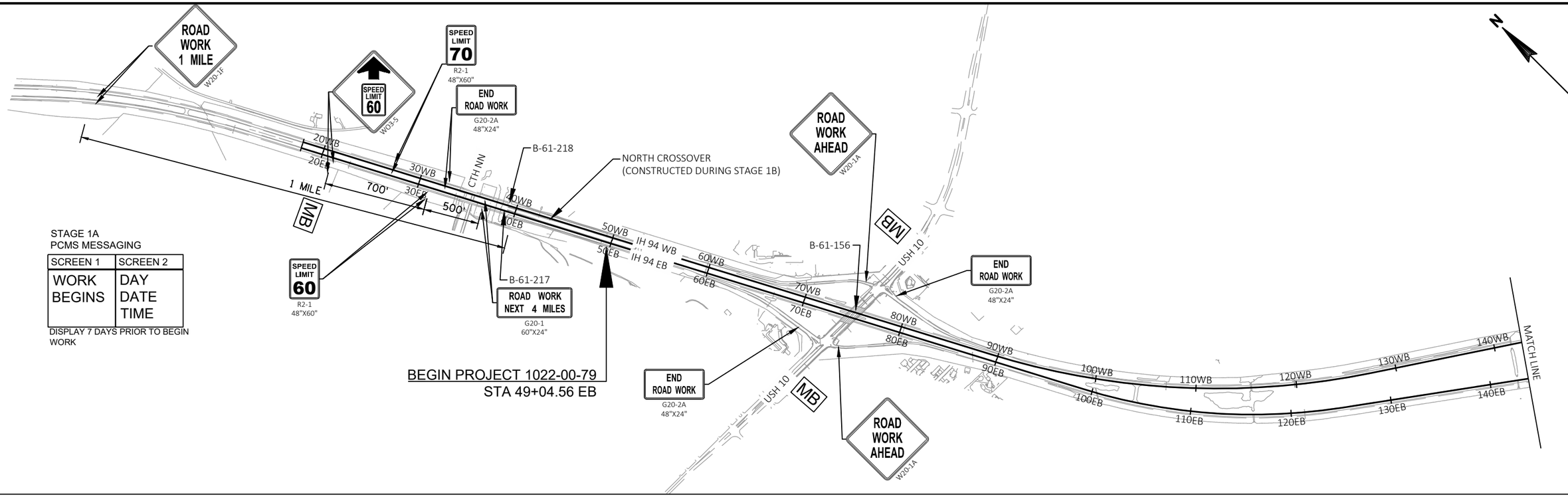
CONSTRUCTION NOTES:

1. WOVEN PULL TAPE SHALL BE INCIDENTAL TO CONDUIT BID ITEM AS INDICATED BY THE WISDOT STANDARD SPECIFICATIONS.
2. INSTALL ELECTRICAL SERVICE METER BREAKER PEDESTAL WITH 2 POLE 50 AMP MAIN BREAKER 22,000 AIC, AS DEFINED IN THE SPECIAL PROVISIONS.
3. INSTALL 100 AMP, 6 CIRCUIT BREAKER DISCONNECT BOX WITH 2 POLE 50 AMP MAIN BREAKER AND UP TO (3) 20 AMP SINGLE POLE BREAKERS, AS DEFINED IN THE SPECIAL PROVISIONS.
4. INSTALL PULL BOX IN GRAVEL SHOULDER 6' FROM EDGE OF PAVEMENT. SET 6" BELOW GRADE TO AVOID PLOWS AND GRADING OF SHOULDER.
5. ITEM INSTALLED BY OTHERS



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CONSTRUCTION DETAIL -PAVEMENT SENSOR	SHEET 140	E

2



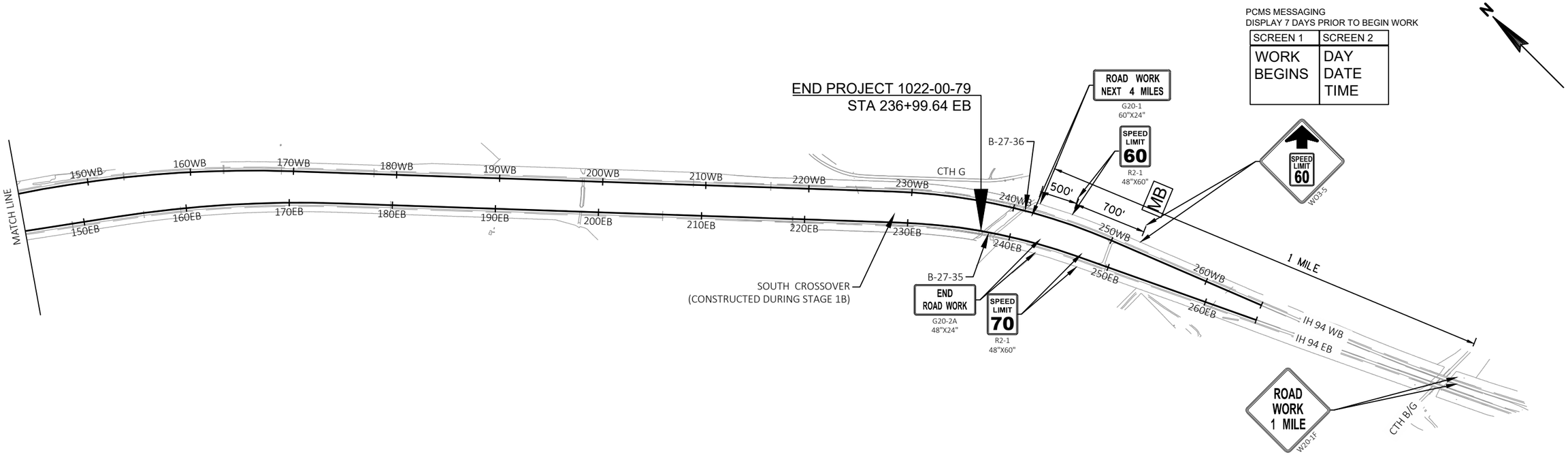
STAGE 1A
PCMS MESSAGING

SCREEN 1	SCREEN 2
WORK BEGINS	DAY DATE TIME

DISPLAY 7 DAYS PRIOR TO BEGIN WORK

PCMS MESSAGING
DISPLAY 7 DAYS PRIOR TO BEGIN WORK

SCREEN 1	SCREEN 2
WORK BEGINS	DAY DATE TIME



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - ADVANCED WARNING	SHEET 141	E

2

GENERAL NOTES FOR TRAFFIC CONTROL

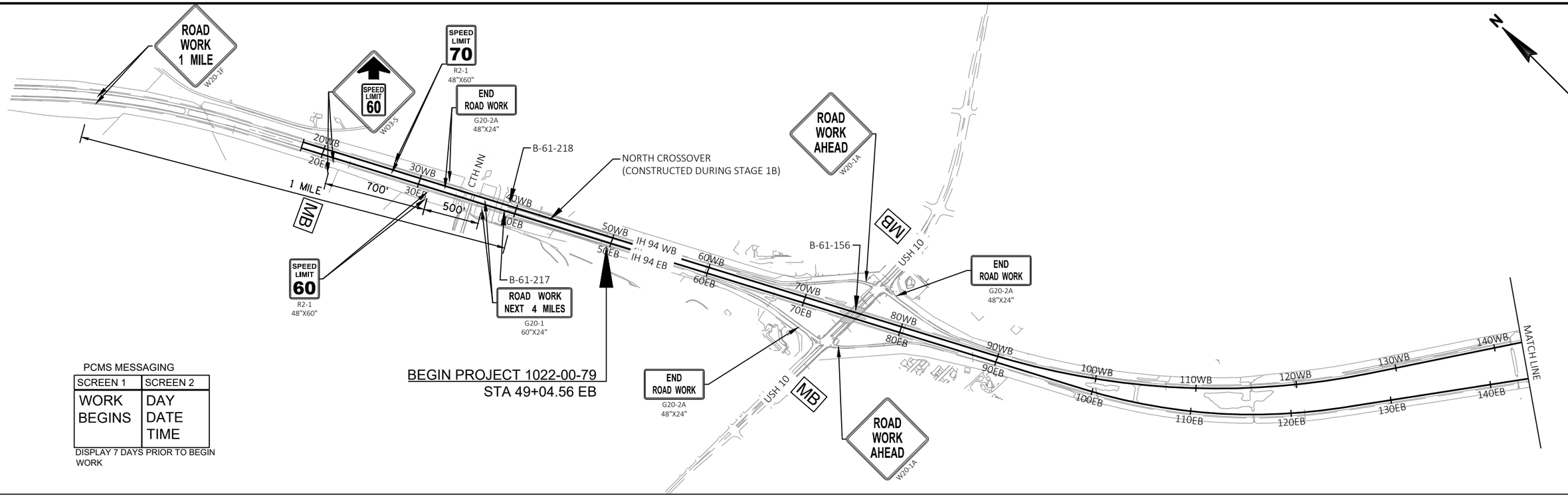
- ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. REMOVING/REPLACING OR COVERING/UNCOVERNG SIGNS WILL BE INCIDENTAL TO OTHER TRAFFIC CONTROL ITEMS.
- ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
- "WO" SIGN ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
- FOR NIGHTTIME OPERATION, ALL DRUMS IN TAPERS SHALL HAVE A TYPE "C" STEADY BURN WARNING LIGHT.
- ALL TYPE III BARRICADES SHALL BE 8 FEET WIDE, UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.
- CONSIDER GEOMETRICS WHEN LOCATING SIGNS, ARROW BOARDS AND SIGN MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS, SIGN MESSAGE BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF THE DRUMS.
- REMOVE PAVEMENT MARKINGS NOT APPROPRIATE FOR THE TRAVEL PATH IN USE.
- MOVE, REMOVE OR INSTALL ROUTE MARKER SIGNS AS REQUIRED TO MAINTAIN NECESSARY ROUTE GUIDANCE THROUGHOUT CONSTRUCTION. REFER TO EXISTING SIGN REMOVAL PLANS FOR EXISTING ROUTE GUIDANCE.
- REFER TO THE FOLLOWING TRAFFIC CONTROL DETAILS, AS WELL AS CONSTRUCTION DETAILS AND STANDARD DETAIL DRAWINGS LISTED BELOW FOR TRAFFIC CONTROL DEVICES AS NECESSARY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
  - CONCRETE BARRIER TEMPORARY PRECAST
  - CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
  - TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC
  - BARRICADES AND SIGNS FOR MAINLINE CLOSURES
  - TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
  - TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
  - TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H.
  - TRAFFIC CONTROL, TEMPORARY BYPASS ROADWAY
  - TRAFFIC CONTROL FOR DROP OFF-SIGNING
  - TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE-WAY ROAD

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL BARRICADE TYPE III
- TRAFFIC CONTROL BARRICADE TYPE III (WITH ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS (ON PERMANENT SUPPORT)
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL ARROW BOARDS
- CONCRETE BARRIER TEMPORARY PRECAST
- TRAFFIC CONTROL, ONE SIDED VERTICAL PANELS
- MARKING REMOVAL
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD
- DIRECTION OF TRAFFIC
- MB — TRAFFIC CONTROL SIGNS PCMS
- CC — CRASH CUSHIONS TEMPORARY
- TRAFFIC SIGNAL
  - SEE "TRAFFIC SIGNAL" PLANS FOR ADDITIONAL DETAILS

TEMPORARY PAVEMENT MARKING LEGEND

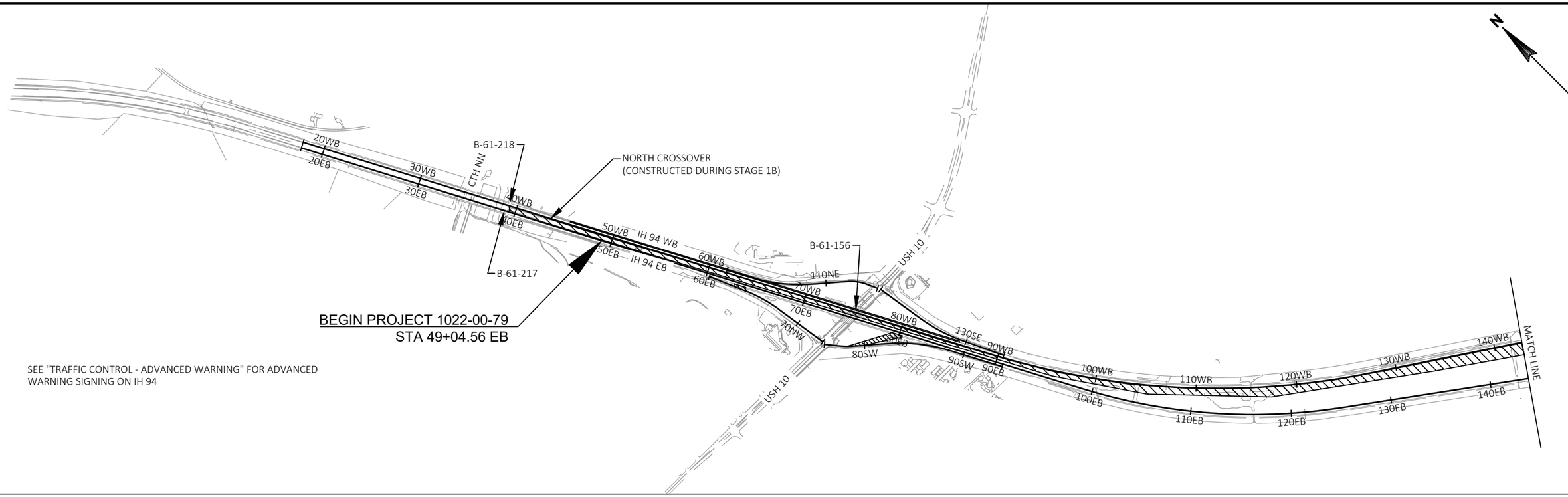
T4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
T4W-1	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE - 12.5' LINE, 37.5' SKIP)
T4W-2	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH WHITE - 3' LINE, 9' SKIP)
T4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
T8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
T8W-2	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE - 3' LINE, 9' SKIP)
T4WE	TEMPORARY MARKING LINE EPOXY, 4-INCH (WHITE)
T4WE-1	TEMPORARY MARKING LINE EPOXY, 4-INCH (WHITE - 12.5' LINE, 37.5' SKIP)
T4YE	TEMPORARY MARKING LINE EPOXY, 4-INCH (YELLOW)
T8WE	TEMPORARY MARKING LINE EPOXY, 8-INCH (WHITE)
R4W	MARKING REMOVAL LINE 4-INCH (WHITE)
R4W-1	MARKING REMOVAL LINE 4-INCH (WHITE - 12.5' LINE, 37.5' SKIP)
R4Y	MARKING REMOVAL LINE 4-INCH (YELLOW)
R8W	MARKING REMOVAL LINE, 8-INCH (WHITE)

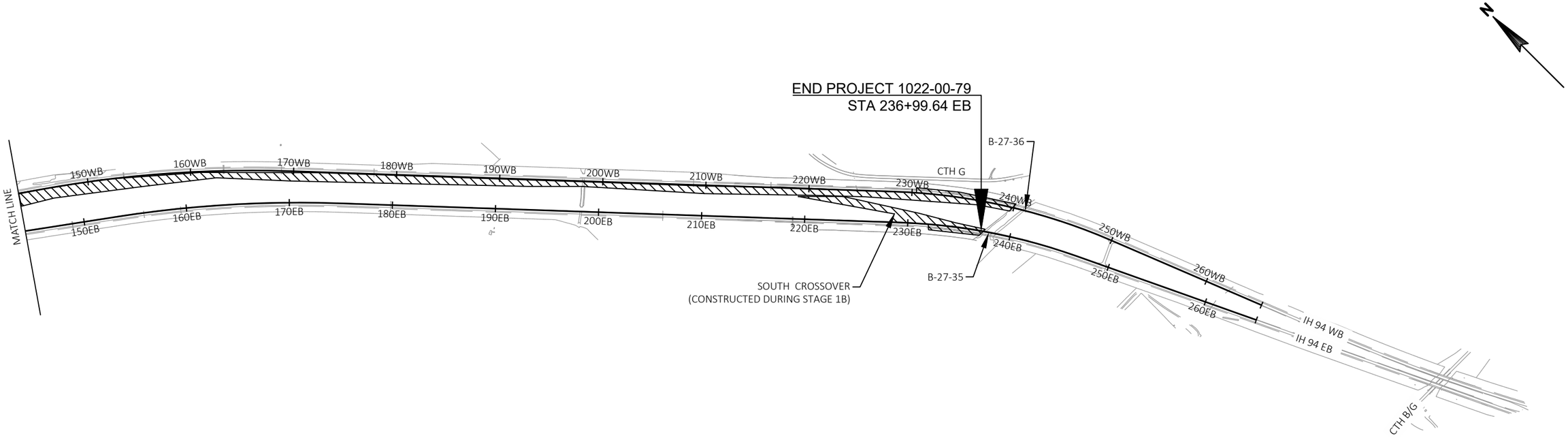


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - ADVANCED WARNING	SHEET 143	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025000-TC-ADVANCED WARNING.DWG
LAYOUT NAME - AdvWarn

PLOT DATE : 9/30/2021 11:11 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : #########





PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET 144	E

STAGE 1A

CONSTRUCTION OPERATIONS:

PEAK HOURS:

SWA TEMP RAMP

- CONSTRUCT TEMPORARY RAMP STA 70+27 SWA - EXISTING IH 94 EB MATCH IN

NWA TEMP RAMP

- CONSTRUCT TEMPORARY RAMP FROM EXISTING IH 94 EB MATCH IN TO STA 65+55 NWA

OFF-PEAK HOURS:

IH 94 EB

- FILL EXISTING RUMBLE STRIPS STA 62+90 EB - STA 64+00 EB, RT
- FILL EXISTING RUMBLE STRIPS STA 79+25 EB - STA 80+00 EB, RT
- FILL EXISTING RUMBLE STRIPS STA 221+25 EB - STA 237+20 EB, RT
- FILL EXISTING RUMBLE STRIPS STA 238+43 EB - STA 242+00 EB, RT

IH 94 WB

- 1.5-INCH MILL & PAVE ASPH. SURF. TEMP. OUTSIDE SHOULDER STA 45+50 WB - STA 58+20 WB, LT
- 1.5-INCH MILL & PAVE ASPH. SURF. TEMP. OUTSIDE SHOULDER STA 66+20 WB - STA 89+10 WB, LT
- FILL EXISTING RUMBLE STRIPS STA 58+00 WB - STA 61+00 WB, LT
- FILL EXISTING RUMBLE STRIPS STA 225+50 WB - STA 240+08 WB, LT
- FILL EXISTING RUMBLE STRIPS STA 241+19 WB - STA 248+50 WB, LT
- PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS AND TEMPORARY ASPHALT WIDENING ON OUTSIDE SHOULDER STA 74+29 WB, LT - STA 74+81 WB, LT & STA 75+98 WB, LT - STA 81+00 WB, LT
- PLACE CONCRETE BARRIER TEMPORARY PRECAST STA 72+30 WB, LT - STA 80+97 WB, LT

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC TRAVELS ON EXISTING PAVEMENT WITH OFF-PEAK OUTSIDE LANE CLOSURES AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON EXISTING PAVEMENT WITH OFF-PEAK OUTSIDE LANE CLOSURES AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS

USH 10

- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- RAMP TRAFFIC TRAVELS ON EXISTING PAVEMENT

STAGE 1B

CONSTRUCTION OPERATIONS:

PEAK HOURS:

IH 94 TEMP ROAD

- CONSTRUCT TEMPORARY ROADWAY STA 38+55 TR - STA 229+37 TR

IH 94 WB WIDENING

- CONSTRUCT TEMPORARY ROADWAY FROM 219+33XO TO STA 226+00 XO

SWA TEMP RAMP

- CONSTRUCT TEMPORARY RAMP FROM EXISTING IH 94 EB MATCH IN TO IH 94 TEMP ROAD MATCH IN

OFF-PEAK HOURS:

NWA TEMP RAMP

- CONSTRUCT TEMPORARY RAMP FROM IH 94 TEMP ROAD MATCH IN TO EXISTING IH 94 EB MATCH IN

IH 94 EB

- 1.5-INCH MILL & PAVE ASPH. SURF. TEMP. 4' SHOULDER STA 39+66 EB - STA 45+00 EB, LT
- FILL EXISTING RUMBLE STRIPS STA 61+75 EB - STA 62+75 EB, LT
- FILL EXISTING RUMBLE STRIPS STA 80+00 EB - STA 80+75 EB, LT
- PLACE CONCRETE BARRIER TEMPORARY PRECAST STA 40+98 EB, LT - STA 102+00 EB, LT

IH 94 WB

- 1.5-INCH MILL & PAVE ASPH. SURF. TEMP. 4' SHOULDER STA 40+68 WB - STA 45+50 WB, RT
- 1.5-INCH MILL & PAVE ASPH. SURF. TEMP. 4' SHOULDER STA 48+00 WB - STA 93+00 WB, RT
- FILL EXISTING RUMBLE STRIPS STA 99+00 WB - STA 104+50 WB, RT
- PLACE CONCRETE BARRIER TEMPORARY PRECAST STA 42+00 WB, RT - STA 230+50 WB, RT

IH 94 TEMP ROAD

- CONSTRUCT TEMPORARY ROADWAY SHOULDER MATCH IN STA 40+00 EB - STA 48+00 EB AND STA 45+00 WB - STA 125+00 WB
- CONSTRUCT TEMPORARY ROADWAY SHOULDER MATCH IN STA 40+00 EB - STA 48+00 EB AND STA 45+00 WB - STA 125+00 WB

NOTE: COMPLETE NORTH CROSSOVER TIE-IN PRIOR TO PLACING CONCRETE BARRIER TEMPORARY PRECAST ON IH 94 EB AND IH 94 WB INSIDE SHOULDERS

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC TRAVELS ON EXISTING PAVEMENT WITH OFF-PEAK INSIDE LANE CLOSURES AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON EXISTING PAVEMENT WITH OFF-PEAK INSIDE LANE CLOSURES AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS
- IH 94 WB TRAFFIC TRAVELS ON EXISTING PAVEMENT AFTER CONCRETE BARRIER TEMPORARY PRECAST IS PLACED

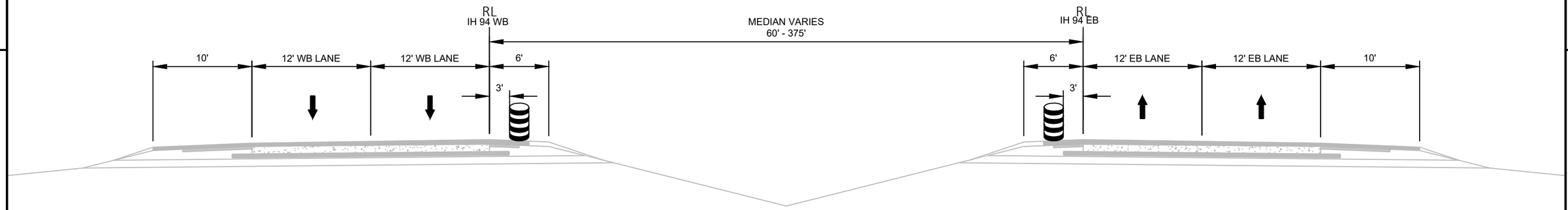
USH 10

- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- RAMP TRAFFIC TRAVELS ON EXISTING PAVEMENT

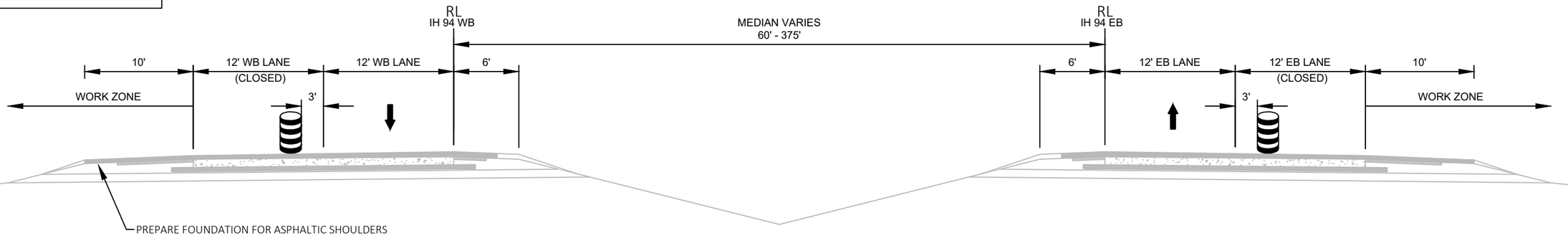
2



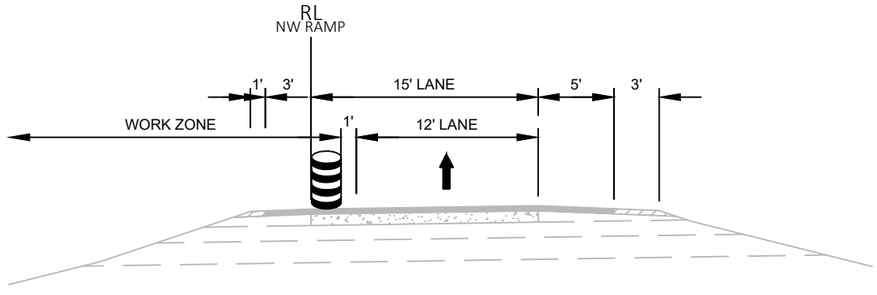
LEGEND

TRAFFIC CONTROL DRUMS

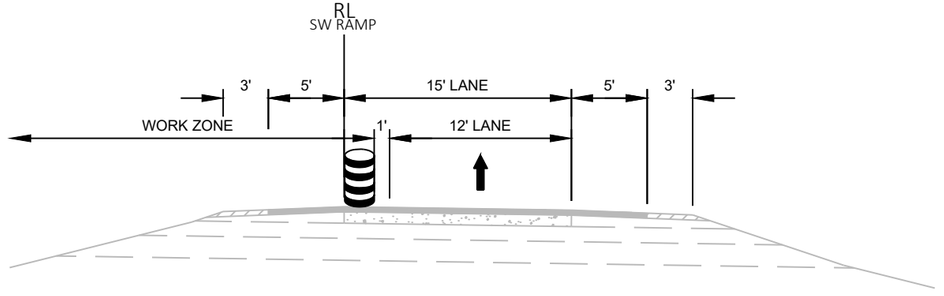
TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 1A
PEAK HOURS



TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 1A
OFF-PEAK HOURS

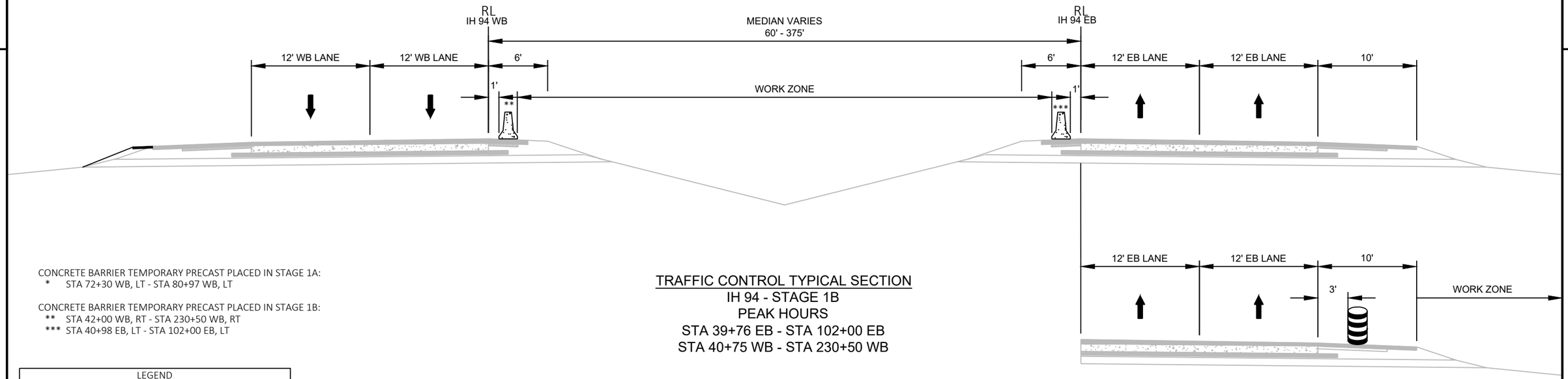


TRAFFIC CONTROL TYPICAL SECTION
NW RAMP (EB OFF-RAMP)



TRAFFIC CONTROL TYPICAL SECTION
SW RAMP (EB ON-RAMP)

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1 TYPICAL SECTION	SHEET 146	E



CONCRETE BARRIER TEMPORARY PRECAST PLACED IN STAGE 1A:
* STA 72+30 WB, LT - STA 80+97 WB, LT

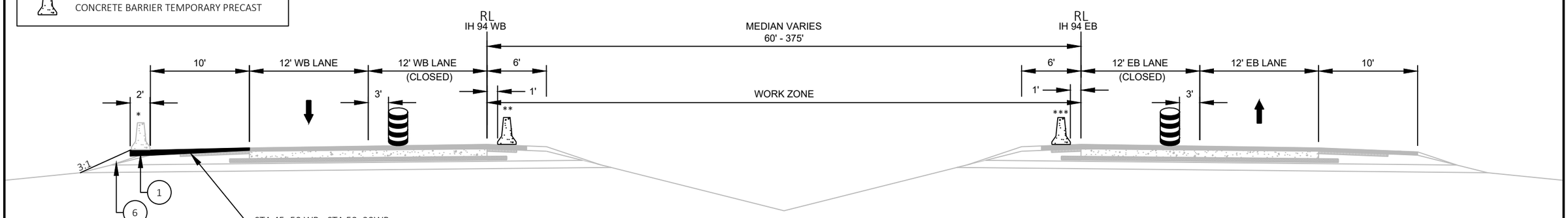
CONCRETE BARRIER TEMPORARY PRECAST PLACED IN STAGE 1B:
** STA 42+00 WB, RT - STA 230+50 WB, RT
*** STA 40+98 EB, LT - STA 102+00 EB, LT

LEGEND

- (1) ASPHALTIC SURFACE TEMPORARY
- (6) BASE AGGREGATE DENSE 3/4-INCH
- TRAFFIC CONTROL DRUMS
- CONCRETE BARRIER TEMPORARY PRECAST

TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 1B
PEAK HOURS
STA 39+76 EB - STA 102+00 EB
STA 40+75 WB - STA 230+50 WB

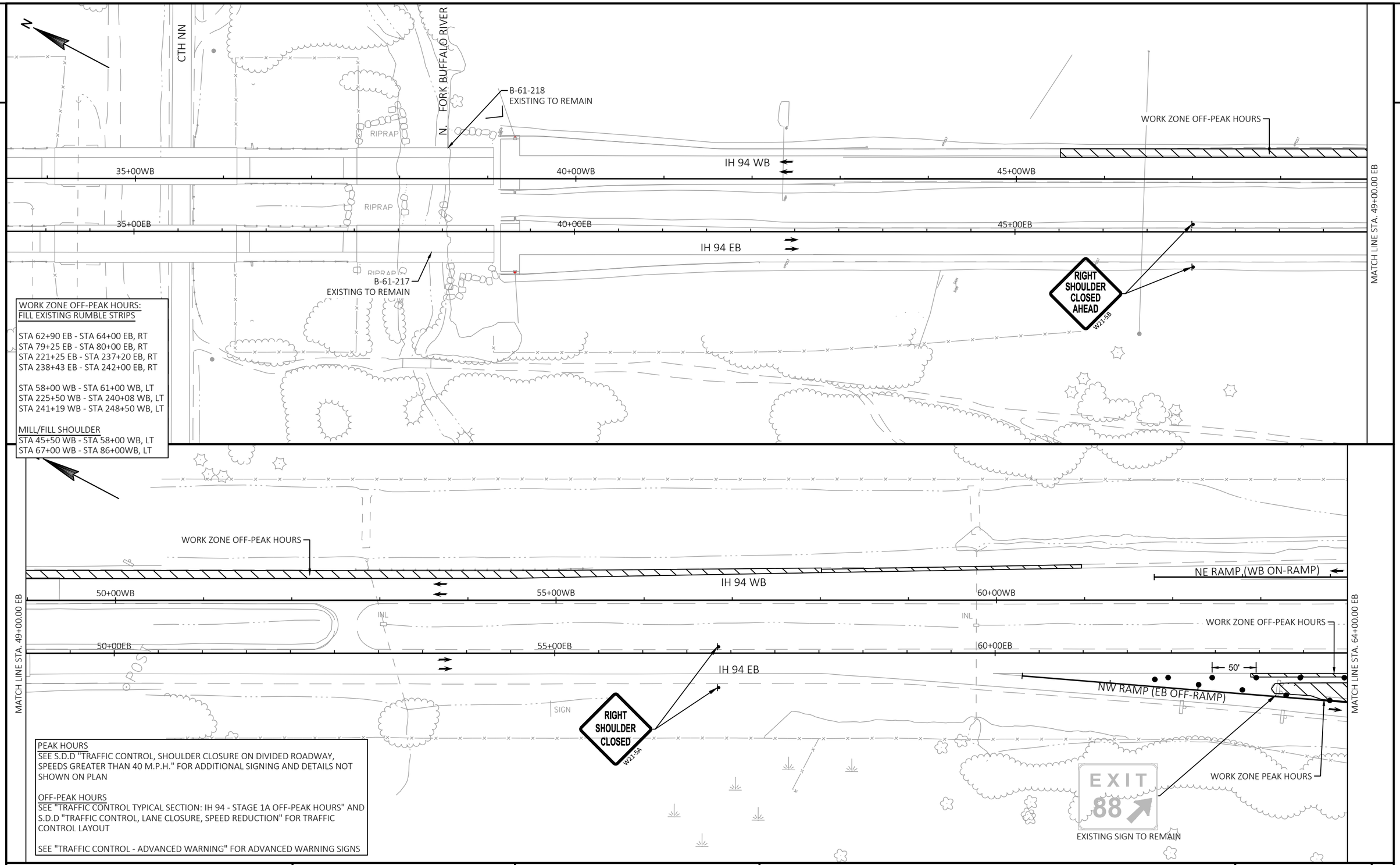
TRAFFIC CONTROL PARTIAL TYPICAL SECTION
IH 94 - STAGE 1B
STA 61+64 EB - STA 82+36 EB



STA 45+50 WB - STA 58+20WB
STA 66+20WB - STA 89+10WB
CROSS SLOPE CORRECTION & RUMBLE STRIP REMOVAL COMPLETED IN STAGE 1A
REMOVING ASPHALTIC SURFACE MILLING 1.5" DEPTH FROM EDGE OF WB LANE AT 2% CROSS SLOPE TO 0' DEPTH, PAVE ASPHALTIC SURFACE TEMPORARY FROM 1.5" AT EDGE OF LANE TO 4" AT EDGE OF 10' SHOULDER AND WIDENING

TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 1B
OFF-PEAK HOURS
STA 40+00 EB - STA 48+00 EB
STA 45+00 WB - STA 125+00 WB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1 TYPICAL SECTION	SHEET 147	E

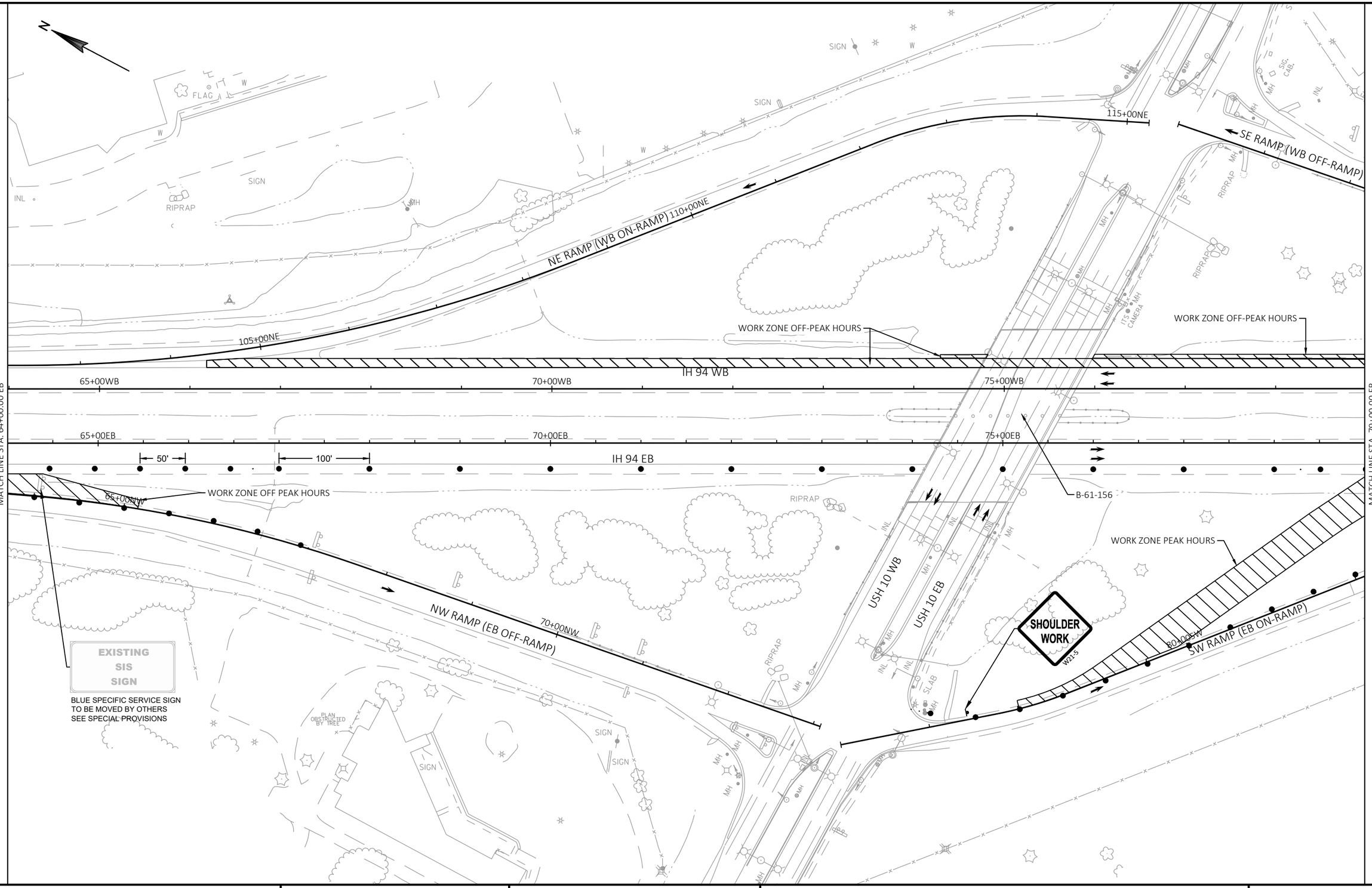


2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1A (PEAK HOURS) (1A-1)	SHEET 148	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025001-TC-STAGE 1A.DWG
LAYOUT NAME - BEGIN - 64+00
PLOT DATE : 4/20/2021 9:10 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1A (PEAK HOURS) (1A-2)	SHEET 149	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025001-TC-STAGE 1A.DWG
LAYOUT NAME - 64+00 - 79+00

PLOT DATE : 4/20/2021 9:10 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

SE RAMP (WB OFF-RAMP)

125+00SE

130+00SE

WORK ZONE OFF-PEAK HOURS

IH 94 WB

80+00WB

85+00WB

90+00WB

WORK ZONE OFF-PEAK HOURS

80+00EB

85+00EB

90+00EB

50'

90+00SW

IH 94 EB

85+00SW

WORK ZONE
PEAK HOURS

SW RAMP (EB ON-RAMP)

MATCH LINE STA. 79+00.00 EB

SIGN

RIPRAP

MH

INL

SLAB

STA 94+00EB TO STA 214+00EB SEE STAGE
1A TYPICAL SECTION "PEAK HOURS"

WORK ZONE OFF-PEAK HOURS

215+00WB

220+00WB

225+00WB

IH 94 WB

215+00EB

220+00EB

225+00EB

IH 94 EB

WORK ZONE OFF-PEAK HOURS

MATCH LINE STA. 229+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1A (PEAK HOURS) (1A-3)	SHEET 150	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025001-TC-STAGE 1A.DWG
LAYOUT NAME - 79+00 - 94+00 & 214+00 - 229+00

PLOT DATE : 4/20/2021 9:10 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1A (PEAK HOURS) (1A-4)	SHEET 151	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025001-TC-STAGE 1A.DWG
LAYOUT NAME - 229+00 - END

PLOT DATE : 4/20/2021 9:14 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

SIGN

IH 94 WB

20+00WB

25+00WB

30+00WB

20+00EB

25+00EB

30+00EB

IH 94 EB

SIGN

LEFT SHOULDER CLOSED

W21-5AL

MATCH LINE STA. 34+00.00 EB

PEAK HOURS
SEE S.D.D "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H." FOR ADDITIONAL SIGNING AND DETAILS NOT SHOWN ON PLAN

OFF-PEAK HOURS
SEE "TRAFFIC CONTROL TYPICAL SECTION: IH 94 - STAGE 1B OFF-PEAK HOURS" AND S.D.D "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR TRAFFIC CONTROL LAYOUT

SEE "TRAFFIC CONTROL - ADVANCED WARNING" FOR ADVANCED WARNING SIGNS

N

CTH NN

N. FORK BUFFALO RIVER

B-61-218
EXISTING TO REMAIN

RIPRAP

RIPRAP

WORK ZONE OFF-PEAK HOURS:
FILL EXISTING RUMBLE STRIPS

STA 61+75 EB - STA 62+75 EB, LT
STA 80+00 EB - STA 80+75 EB, LT

STA 99+00 WB - STA 104+50 WB, RT
STA 226+50 WB - STA 230+50 WB, RT

MILL/FILL SHOULDER

STA 39+66 EB - STA 45+00 EB, LT
STA 40+68 WB - STA 45+50 WB, RT
STA 48+00 WB - STA 93+00 WB, RT

IH 94 WB

35+00WB

50'

40+00WB

45+00WB

5 DRUMS SPACED @ 10-FT INTERVALS

WORK ZONE PEAK HOURS

RIPRAP

100'

35+00EB

40+00EB

45+00EB

IH 94 EB

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 1B
STA. 40+00EB, 4' LT

B-61-217
EXISTING TO REMAIN

RIPRAP

RIPRAP

SIGN

MATCH LINE STA. 34+00.00 EB

MATCH LINE STA. 49+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1B (1B-1)	SHEET 152	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025001-TC-STAGE 1B.DWG
LAYOUT NAME - BEGIN - 49+00

PLOT DATE : 4/20/2021 9:16 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N

IH 94 WB

NE RAMP (WB ON-RAMP)

50+00WB

55+00WB

60+00WB

NL

50+00EB

55+00EB

60+00EB

IH 94 EB

STA. 63+26EB, 34' RT

NW RAMP (EB OFF-RAMP)

MATCH LINE STA. 49+00.00 EB

MATCH LINE STA. 64+00.00 EB

SIGN

STA 56+00 EB - STA 59+00 EB LT
ANCHORING CONCRETE BARRIER TEMPORARY

WORK ZONE PEAK HOURS

STA. 63+88EB, 51' RT

EXIT 88

EXISTING SIGN TO REMAIN

WORK ZONE OFF-PEAK HOURS:
FILL EXISTING RUMBLE STRIPS

STA 61+75 EB - STA 62+75 EB, LT
STA 80+00 EB - STA 80+75 EB, LT

STA 99+00 WB - STA 104+50 WB, RT
STA 226+50 WB - STA 230+50 WB, RT

MILL/FILL SHOULDER

STA 39+66 EB - STA 45+00 EB, LT
STA 40+68 WB - STA 45+50 WB, RT
STA 48+00 WB - STA 93+00 WB, RT

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1B (1B-2)	SHEET 153	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025001-TC-STAGE 1B.DWG
LAYOUT NAME - 49+00 - 64+00

PLOT DATE : 4/20/2021 9:16 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

2

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

N

FLAG

W

SIGN

INL

RIPRAP

MH

105+00NE

NE RAMP (WB ON-RAMP)

110+00NE

115+00NE

SE RAMP (WB OFF-RAMP)

SIG. CAB.

ITS CAMERA

WORK ZONE PEAK HOURS

IH 94 WB

65+00WB

70+00WB

75+00WB

IH 94 EB

65+00EB

70+00EB

75+00EB

STA. 64+14EB, 34' RT

NWA TEMP RAMP 65+00NW

STA. 65+44EB, 69' RT

EXISTING SIS SIGN

NW RAMP (EB OFF-RAMP)

70+00NW

PLAN OBSTRUCTED BY TREE

SLAB

USH 10 WB

USH 10 EB

PC: 70+27.34SWA, 0.00'

BP: 70+00.00SWA

PT: 71+41.94SWA

SWA TEMP RAMP

80+00SW

SW RAMP (EB ON-RAMP)

71+92.68SWA, 19.00' RT

B-61-156

IPC: 71+10.62SWA

WORK ZONE OFF-PEAK HOURS:
FILL EXISTING RUMBLE STRIPS

STA 61+75 EB - STA 62+75 EB, LT
STA 80+00 EB - STA 80+75 EB, LT

STA 99+00 WB - STA 104+50 WB, RT
STA 226+50 WB - STA 230+50 WB, RT

MILL/FILL SHOULDER

STA 39+66 EB - STA 45+00 EB, LT
STA 40+68 WB - STA 45+50 WB, RT
STA 48+00 WB - STA 93+00 WB, RT

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1B (1B-3)	SHEET 154 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025001-TC-STAGE 1B.DWG
LAYOUT NAME - 64+00 - 79+00

PLOT DATE : 4/20/2021 9:16 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

SEPTIC

SLAB

SIGN

SE RAMP (WB OFF-RAMP)

125+00SE

130+00SE

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 1A
STA. 80+97WB, 35' LT

WORK ZONE PEAK HOURS

PT: 78+18SWA

EP: 79+05.01SWA

SIGN

RIPRAP

MH

SMR

SIGN

SLAB

80+00WB

85+00WB

IH 94 WB

90+00WB

80+00EB

85+00EB

90+00EB

MATCH LINE STA. 79+00.00 EB

MATCH LINE STA. 94+00.00 EB

5SWA

INL

STA. 79+70EB, 35' RT

STA. 79+19EB, 35' RT

85+00SW

90+00SW

IH 94 EB

SW RAMP (EB ON-RAMP)

MH

INL

WALL

WALL

W

W

POOL

SEPTIC

POOL

WORK ZONE OFF-PEAK HOURS:
FILL EXISTING RUMBLE STRIPS

STA 61+75 EB - STA 62+75 EB, LT
STA 80+00 EB - STA 80+75 EB, LT

STA 99+00 WB - STA 104+50 WB, RT
STA 226+50 WB - STA 230+50 WB, RT

MILL/FILL SHOULDER

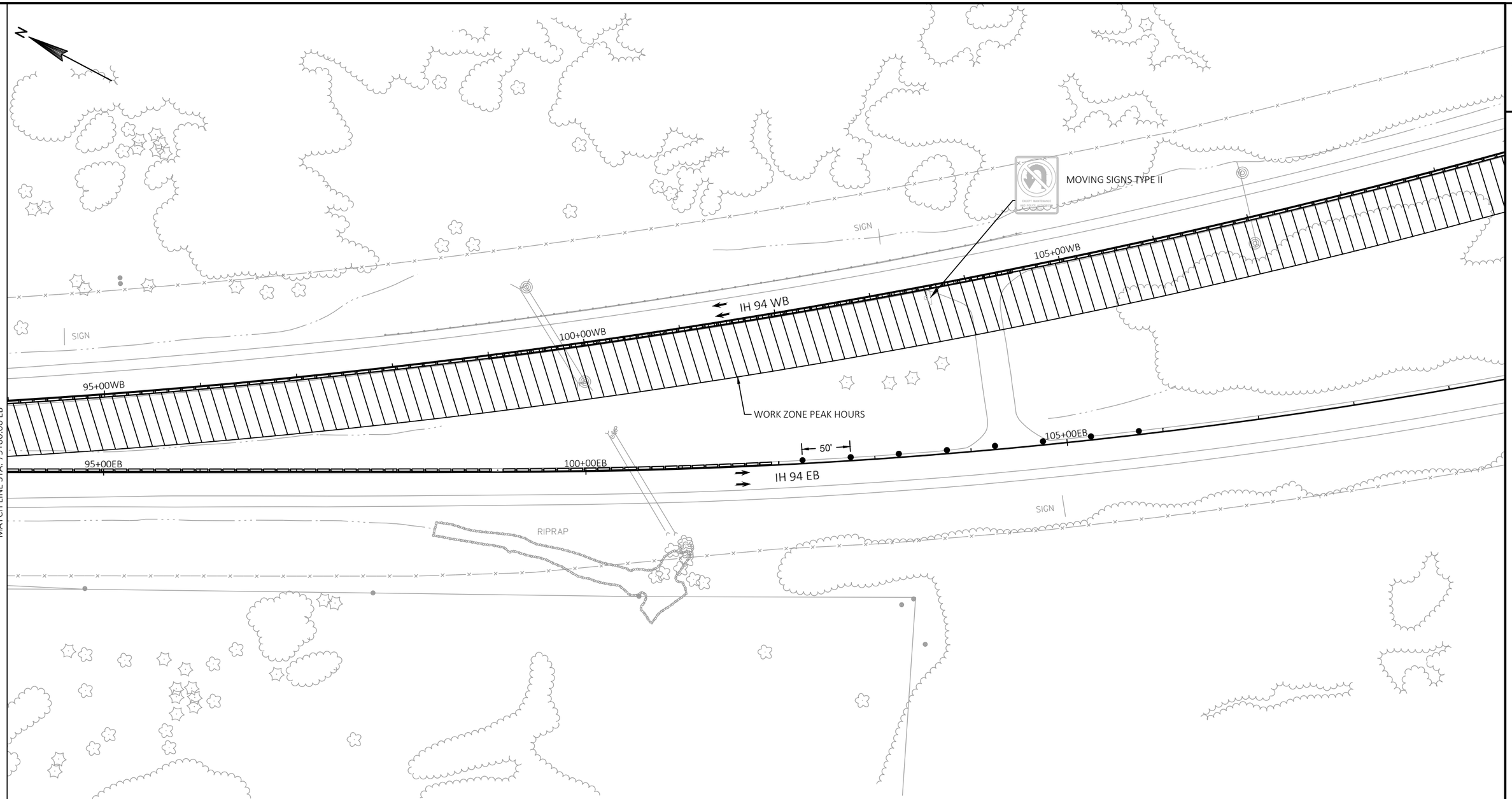
STA 39+66 EB - STA 45+00 EB, LT
STA 40+68 WB - STA 45+50 WB, RT
STA 48+00 WB - STA 93+00 WB, RT

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1B (1B-4)	SHEET 155	E

2

2

MATCH LINE STA. 79+00.00 EB



STA 107+00WB TO STA 214+00WB SEE
STAGE 1B TYPICAL SECTION - PEAK HOURS

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1B (1B-5)	SHEET 156	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025001-TC-STAGE 1B.DWG
LAYOUT NAME - 94+00-107+00

PLOT DATE : 4/20/2021 9:17 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

STA 107+00WB TO STA 214+00WB SEE
STAGE 1B TYPICAL SECTION - PEAK HOURS

SIGN

SIGN

215+00WB

IH 94 WB

220+00WB

225+00WB

WORK ZONE OFF-PEAK HOURS

WORK ZONE PEAK HOURS

MATCH LINE STA. 229+00.00 EB

N

215+00EB

220+00EB

225+00EB

IH 94 EB

SIGN

B-27-36
EXISTING TO REMAIN

IH 94 WB

235+00WB

240+00WB

230+00WB

QC

WORK ZONE OFF-PEAK HOURS

WORK ZONE OFF-PEAK HOURS:
FILL EXISTING RUMBLE STRIPS

STA 61+75 EB - STA 62+75 EB, LT
STA 80+00 EB - STA 80+75 EB, LT

STA 99+00 WB - STA 104+50 WB, RT
STA 226+50 WB - STA 230+50 WB, RT

MILL/FILL SHOULDER

STA 39+66 EB - STA 45+00 EB, LT
STA 40+68 WB - STA 45+50 WB, RT
STA 48+00 WB - STA 93+00 WB, RT

MATCH LINE STA. 229+00.00 EB

WORK ZONE PEAK HOURS

N

B-27-35
EXISTING TO REMAIN

235+00EB

240+00EB

230+00EB

IH 94 EB

2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 1B (1B-6)	SHEET 157	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\TRAFFIC CONTROL\025001-TC-STAGE 1B.DWG
LAYOUT NAME - 214+00 - END

PLOT DATE : 10/21/2021 9:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

STAGE 2A

CONSTRUCTION OPERATIONS:

IH 94 EB

- CONSTRUCT PROPOSED CONCRETE PAVEMENT AND ASPHALT SHOULDERS STA 49+64 EB - STA 61+00 EB & STA 82+00 EB - STA 232+00 EB
- CONSTRUCT TEMPORARY WIDENING STA 230+00 EB - 232+50 EB LT

IH 94 TEMP ROAD

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 39+57 TR, LT - STA 216+23 TR, LT
  - STA 43+70 TR, RT - STA 58+52 TR, RT
  - STA 60+10 TR, RT - STA 74+70 TR, RT
  - STA 80+74 TR, RT - STA 99+50 TR, RT
  - STA 135+37 TR, RT - STA 145+36 TR, RT
  - STA 191+66 TR, RT - STA 201+81 TR, RT

IH 94 WB WIDENING

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 217+61 WB, RT - STA 225+00 WB, RT

NW RAMP

- CONSTRUCT PROPOSED RAMP CONCRETE PAVEMENT AND SHOULDERS STA 60+00 NW - STA 60+68 NW

NWA TEMP RAMP

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 60+24 NWA, RT - STA 61+82 NWA, RT

SW RAMP

- CONSTRUCT PROPOSED RAMP CONCRETE PAVEMENT AND SHOULDERS STA 81+92 SW - STA 94+00 SW

SWA TEMP RAMP

- CONSTRUCT TEMPORARY SWA TEMP RAMP STA 75+00 SWA - STA 77+00 SWA
- CONSTRUCT TEMPORARY SWA TEMP RAMP STA 92+00 SWA - STA 94+60 SWA
- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 74+76 SWA, RT - STA 78+15 SWA, RT

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC TRAVELS FROM EXISTING PAVEMENT TO IH 94 TEMP ROAD THROUGH THE NORTH CROSSOVER
- IH 94 EB TRAFFIC TRAVELS FROM IH 94 TEMP ROAD BACK TO EXISTING PAVEMENT THROUGH THE SOUTH CROSSOVER

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON EXISTING PAVEMENT FROM SOUTH END OF THE PROJECT TO THE USH 10 INTERCHANGE
- IH 94 WB TRAFFIC SHIFTS TO OUTSIDE FROM USH 10 INTERCHANGE TO NORTH END OF PROJECT

USH 10

- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- NW RAMP TRAFFIC TRAVELS ON NWA TEMP RAMP TO EXISTING RAMP PAVEMENT
- SW RAMP TRAFFIC TRAVELS ON EXISTING PAVEMENT TO SWA TEMP RAMP AND MERGES WITH IH 94 TEMP ROAD
- NE RAMP TRAFFIC AND SE RAMP TRAFFIC TRAVELS ON EXISTING PAVEMENT

STAGE 2B

CONSTRUCTION OPERATIONS:

IH 94 EB

- CONSTRUCT PROPOSED CONCRETE PAVEMENT AND ASPHALT SHOULDERS STA 61+00 EB - STA 82+00 EB

IH 94 TEMP ROAD

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 52+87 TR, RT - STA 60+10 TR, RT
  - STA 79+74 TR, RT - STA 81+73 TR, RT
  - STA 88+74 TR, RT - STA 93+03 TR, RT
  - STA 93+04 TR, RT - STA 99+50 TR, RT

NWA TEMP RAMP

- REMOVE NWA TEMP OFF-RAMP

SWA TEMP RAMP

- REMOVE SWA TEMP ON-RAMP

SWB TEMP RAMP

- CONSTRUCT SWB TEMP RAMP

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC TRAVELS FROM EXISTING PAVEMENT TO IH 94 TEMP ROAD THOUGH THE NORTH CROSSOVER
- IH 94 EB TRAFFIC TRAVELS FROM IH 94 TEMP ROAD BACK TO EXISTING PAVEMENT THROUGH THE SOUTH CROSSOVER

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON EXISTING PAVEMENT FROM SOUTH END OF THE PROJECT TO THE USH 10 INTERCHANGE
- IH 94 WB TRAFFIC SHIFTS TO OUTSIDE FROM USH 10 INTERCHANGE TO NORTH END OF PROJECT

USH 10

- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- NW RAMP TRAFFIC EXITS ONTO IH 94 EB EXISTING PAVEMENT PRIOR TO NORTH CROSSOVER AND TRAVELS ON IH 94 EB TO PROPOSED NW RAMP PAVEMENT
- SW RAMP TRAFFIC TRAVELS ON PROPOSED SW RAMP PAVEMENT TO SWB TEMP RAMP AND MERGES WITH IH 94 TEMP ROAD
- NE RAMP TRAFFIC AND SE RAMP TRAFFIC TRAVEL ON EXISTING PAVEMENT

2

STAGE 2C

CONSTRUCTION OPERATIONS:

IH 94 EB

- PLACE CONCRETE BARRIER TEMPORARY PRECAST STA 226+14 EB, RT - STA 238+50 EB, RT

IH 94 WB

- MOVE TEMPORARY CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 47+00 WB, RT- STA 126+03 WB, RT ALONG IH 94 TEMP ROAD
  - STA 152+00 WB, RT - STA 223+64 WB, RT ALONG IH 94 TEMP ROAD
- REMOVE MEDIAN TEMPORARY ROADWAY NECESSARY FOR WINTER SHUTDOWN

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC TRAVELS ON PROPOSED PAVEMENT WITH OFF-PEAK INSIDE LANE CLOSURES AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS
- IH 94 EB TRAFFIC TRAVELS ON PROPOSED PAVEMENT AFTER CONCRETE BARRIER TEMPORARY PRECAST IS PLACED

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON EXISTING PAVEMENT WITH OFF-PEAK INSIDE LANE CLOSURES AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS
- IH 94 WB TRAFFIC TRAVELS ON EXISTING PAVEMENT AFTER CONCRETE BARRIER TEMPORARY PRECAST IS PLACED

USH 10

- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- SW RAMP TRAFFIC AND NW RAMP TRAFFIC TRAVEL ON PROPOSED PAVEMENT
- NE RAMP TRAFFIC AND SE RAMP TRAFFIC TRAVEL ON EXISTING PAVEMENT

STAGE 2C1
CAN BE CONCURRENT WITH STAGE 2C

CONSTRUCTION OPERATIONS:

IH 94 EB

- RESET CONCRETE BARRIER TEMPORARY PRECAST STA 226+00 EB, RT - STA 238+50 EB, RT
- CONSTRUCT OUTSIDE LANE AND ASPHALT SHOULDERS STA 232+00 EB - STA 237+40 EB

IH 94 WB

- PLACE CONCRETE BARRIER TEMPORARY PRECAST STA 229+00 WB LT - STA 245+18 WB LT
- CONSTRUCT MEDIAN LANE HMA PAVEMENT, HMA SHOULDER STA 230+50 WB - STA 239+87 WB
- CONSTRUCT TEMPORARY WIDENING XO 226+00XO TO END OF PROJECT

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC WILL BE REDUCED TO A SINGLE LANE AND SHIFTED ONTO THE INSIDE SHOULDER AND TEMPORARY WIDENING ACROSS B-27-35 AND THROUGH SOUTH END OF PROJECT

IH 94 WB

- IH 94 WB TRAFFIC WILL BE REDUCED TO A SINGLE LANE AND TRAVELS ON EXISTING PAVEMENT AND IS SHIFTED ONTO THE OUTSIDE SHOULDER THRU THE WORK ZONE

USH 10

- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- RAMP TRAFFIC TRAVELS ON EXISTING PAVEMENT

STAGE 2C2
CAN BE CONCURRENT WITH STAGE 2C

CONSTRUCTION OPERATIONS:

IH 94 EB

- PLACE CONCRETE BARRIER TEMPORARY PRECAST STA 226+14 EB, RT - STA 238+50 EB, RT
- CONSTRUCT MEDIAN LANE HMA PAVEMENT, ASPHALT SHOULDER AND REMOVE TEMPORARY PAVEMENT STA 232+00 EB - STA 237+44 EB

IH 94 WB

- RESET CONCRETE BARRIER TEMPORARY RECAST STA 229+00 WB - STA 245+18 WB
- CONSTRUCT OUTSIDE HMA LANE AND HMA SHOULDER FROM 230+50 WB TO END OF THE PROJECT

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC IS REDUCED TO A SINGLE LANE AND SHIFTED TOWARD THE OUTSIDE SHOUDLER ACROSS B-27-35 AND THROUGH THE SOUTH END OF PROJECT

IH 94 WB

- IH 94 WB TRAFFIC WILL BE REDUCED TO A SINGLE LANE AND TRAVELS ON NEW HMA PAVEMENT AND XO WIDENING

USH 10

- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- RAMP TRAFFIC TRAVELS ON EXISTING PAVEMENT

WINTER SHUTDOWN

CONSTRUCTION OPERATIONS:

NONE TO BE COMPLETED DURING THE WINTER SHUTDOWN

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC TRAVELS ON PROPOSED PAVEMENT

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON EXISTING PAVEMENT

USH 10

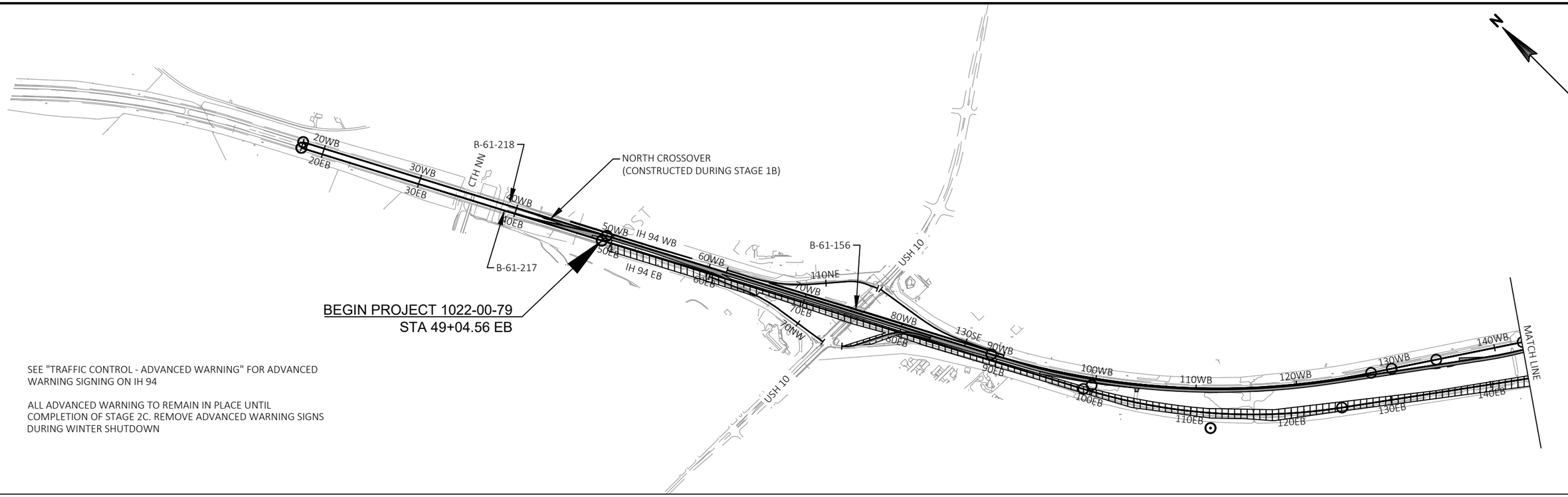
- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- SW RAMP TRAFFIC AND NW RAMP TRAFFIC TRAVEL ON PROPOSED PAVEMENT
- NE RAMP TRAFFIC AND SE RAMP TRAFFIC TRAVEL ON EXISTING PAVEMENT

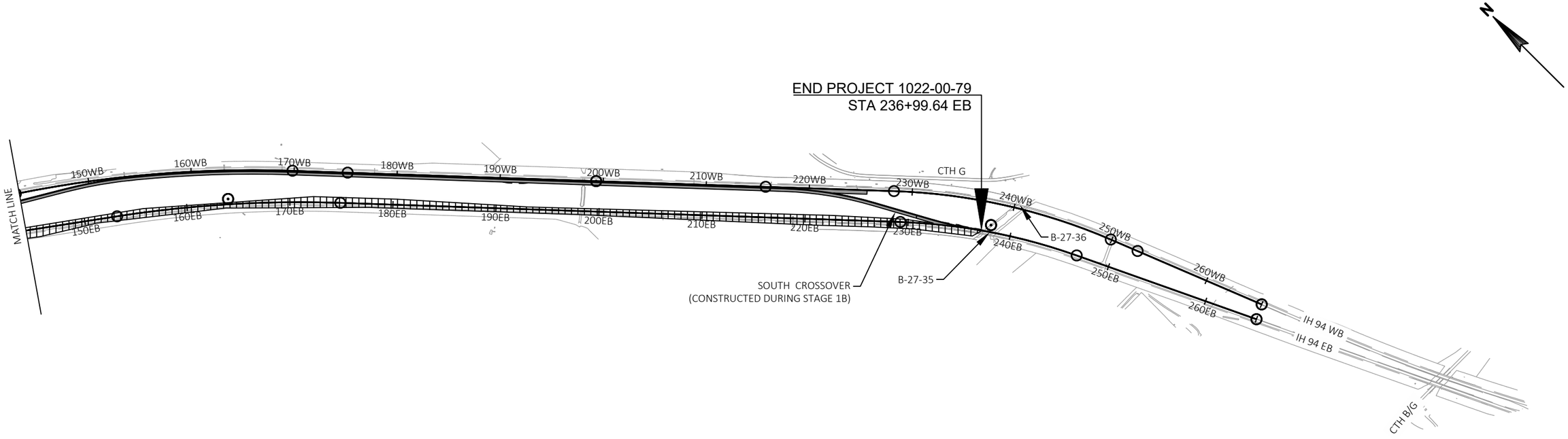
2

2



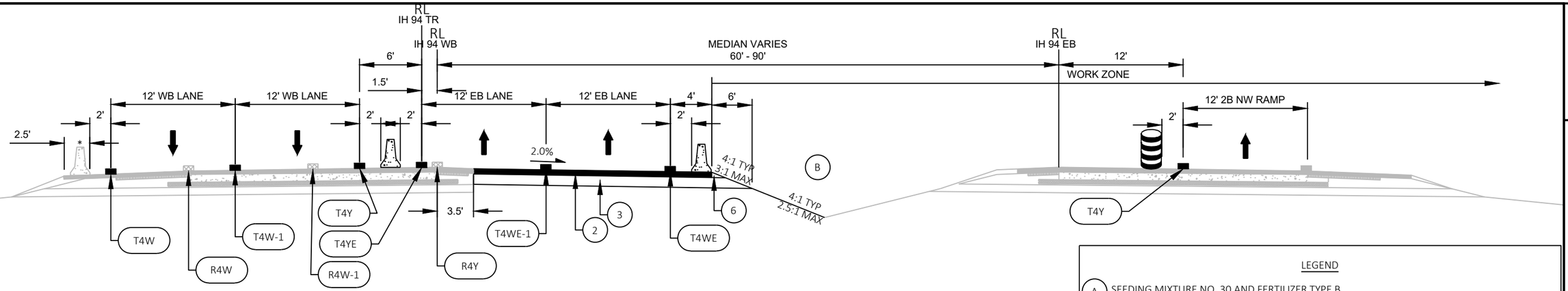
SEE "TRAFFIC CONTROL - ADVANCED WARNING" FOR ADVANCED WARNING SIGNING ON IH 94

ALL ADVANCED WARNING TO REMAIN IN PLACE UNTIL COMPLETION OF STAGE 2C. REMOVE ADVANCED WARNING SIGNS DURING WINTER SHUTDOWN



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET 160	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2 OV.DWG
LAYOUT NAME - 03Overview
PLOT DATE : 4/20/2021 9:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

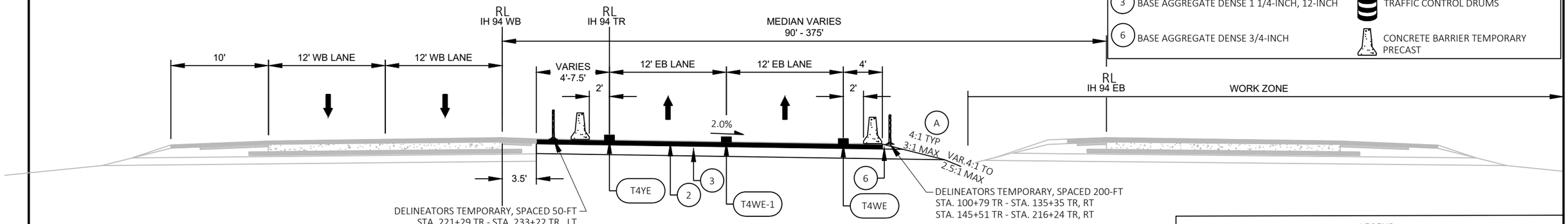


TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGES 2A & 2B
STA 38+21 TR- STA 94+33 TR

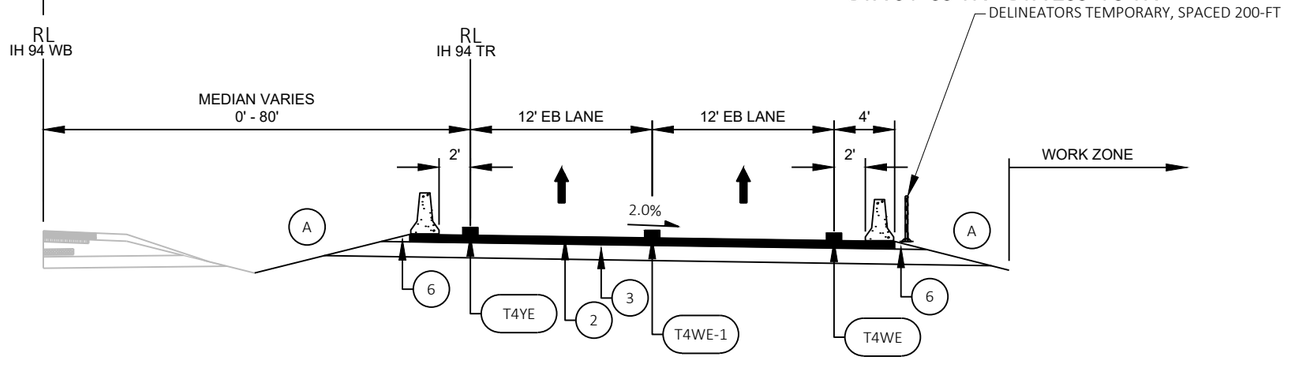
LEGEND

A	SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B
B	EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
2	ASPHALTIC SURFACE TEMPORARY, 6-INCH
3	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH
6	BASE AGGREGATE DENSE 3/4-INCH

DELINEATOR TEMPORARY
TRAFFIC CONTROL DRUMS
CONCRETE BARRIER TEMPORARY PRECAST



TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGES 2A &2B
STA 94+33 TR - STA 235+78 TR



TRAFFIC CONTROL PARTIAL TYPICAL SECTION
IH 94 - STAGES 2A &2B
STA 122+36 TR - STA 152+93 TR

LEGEND

T4W-1	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE - 12.5' LINE, 37.5' SKIP)
T4WE	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
T4WE-1	TEMPORARY MARKING LINE EPOXY, 4-INCH (WHITE - 12.5' LINE, 37.5' SKIP)
T4YE	TEMPORARY MARKING LINE EPOXY, 4-INCH (YELLOW)
T4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
R4W	MARKING REMOVAL LINE 4-INCH (WHITE)
R4W-1	MARKING REMOVAL LINE 4-INCH (WHITE - 12.5' LINE, 37.5' SKIP)
R4Y	MARKING REMOVAL LINE 4-INCH (YELLOW)

SEE TRAFFIC CONTROL PLANS FOR PAVEMENT MARKING LOCATIONS

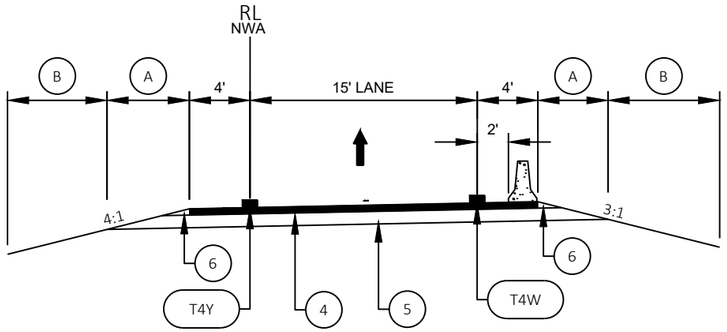
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2 TYPICAL SECTION	SHEET 161	E

2

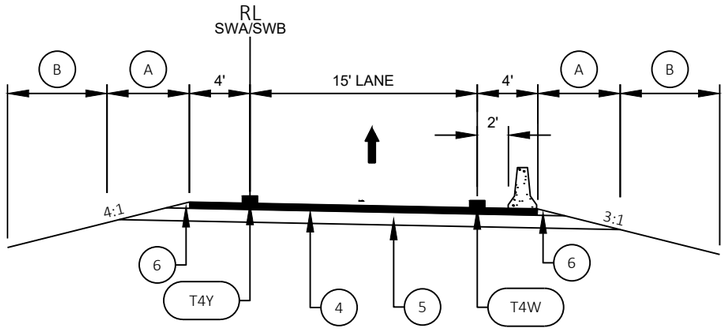
LEGEND

- (A) SEEDING MIXTURE NO. 30 AND FERTILIZER TYPE B
- (B) EROSION MAT CLASS I TYPE A, SALVAGED TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- (4) ASPHALTIC SURFACE TEMPORARY, 5-INCH
- (5) BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
- (6) BASE AGGREGATE DENSE 3/4-INCH
- CONCRETE BARRIER TEMPORARY PRECAST
- (T4W) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (T4Y) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

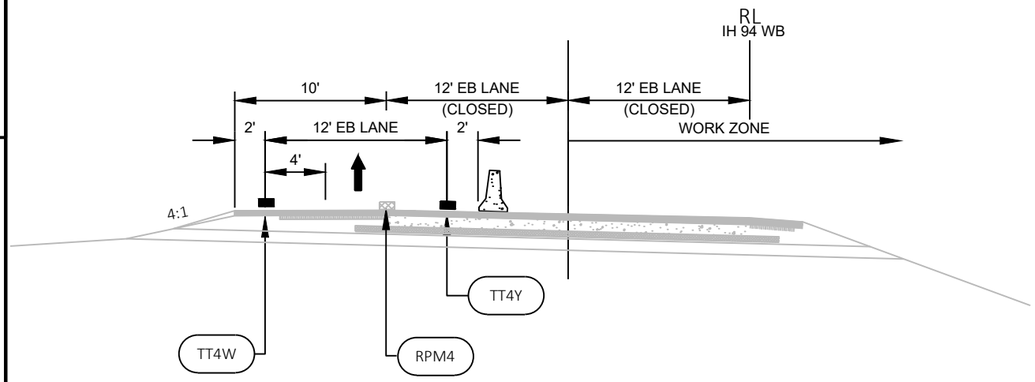
SEE TRAFFIC CONTROL PLANS FOR PAVEMENT MARKING LOCATIONS



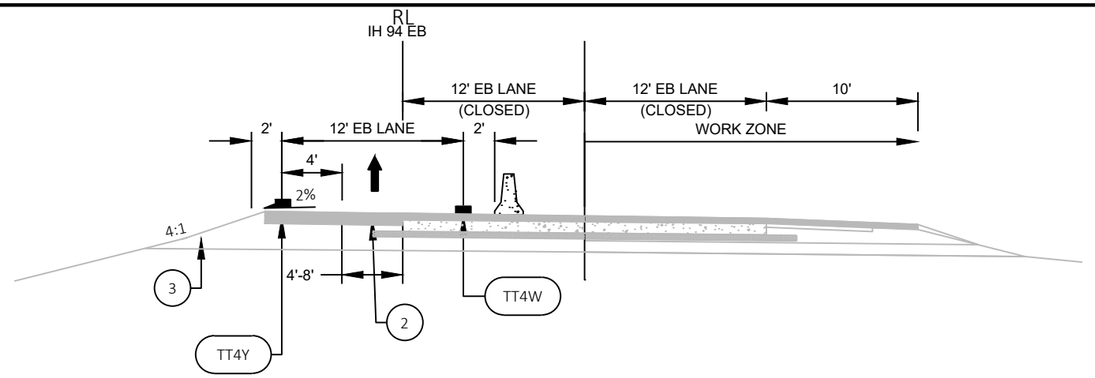
TRAFFIC CONTROL TYPICAL SECTION
NWA TEMP RAMP - STAGE 2A



TRAFFIC CONTROL TYPICAL SECTION
SWA TEMP RAMP - STAGE 2A
SWB TEMP RAMP - STAGE 2B

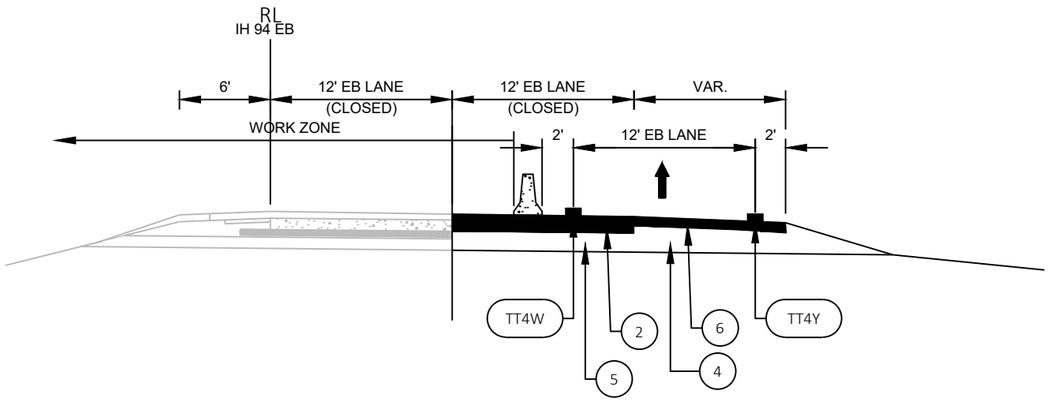


TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 2C1
STA 225+50WB - STA 248+50 WB

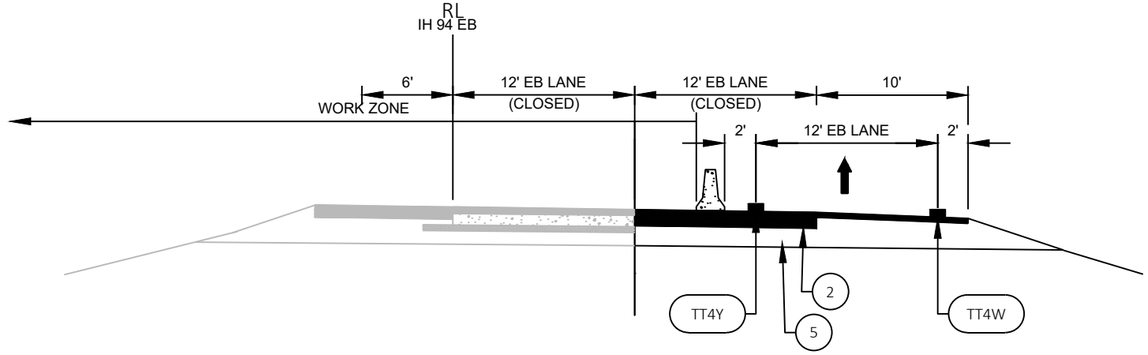


TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 2C1
STA 228+60 EB - STA 240+50 EB

2



TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 2C2
STA 225+50 WB - STA 248+50 WB

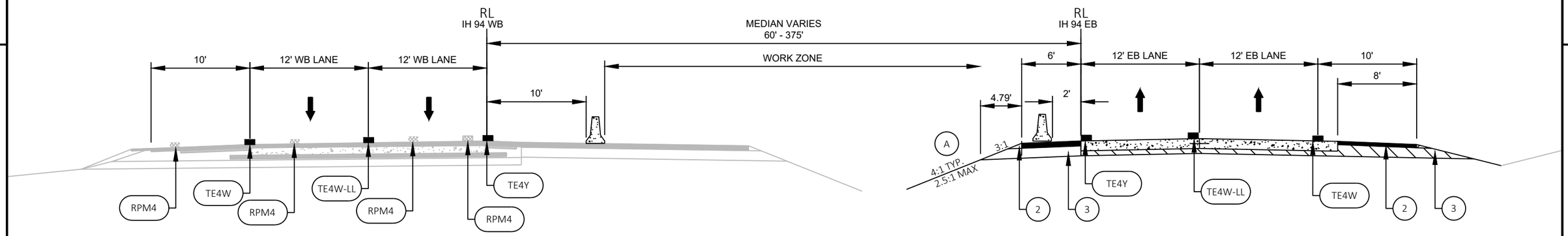


TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 2C2
STA 221+00 EB - STA 242+00 EB

LEGEND

A	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A	TT4W	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)
2	HMA PAVEMENT 4 HT 58-34 V, 12-INCH	TT4Y	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)
3	HMA PAVEMENT 4 MT 58-34 S, 6-INCH	RPM4	REMOVING PAVEMENT MARKINGS 4-INCH
4	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH		TRAFFIC CONTROL DRUMS
5	BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH		CONCRETE BARRIER TEMPORARY PRECAST
6	ASPHALTIC SURFACE TEMPORARY, 6-INCH		SEE TRAFFIC CONTROL PLANS FOR PAVEMENT MARKING LOCATIONS

2



TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 2C
STA 38+21 EB - STA 94+33 EB

PLACE TEMPORARY PAVEMENT MARKING EPOXY STA 49+64EB - STA 97+50EB DUE TO REMOVAL REQUIRED FOR STAGE 3 TRAFFIC CONTROL STAGING IN THIS LOCATION

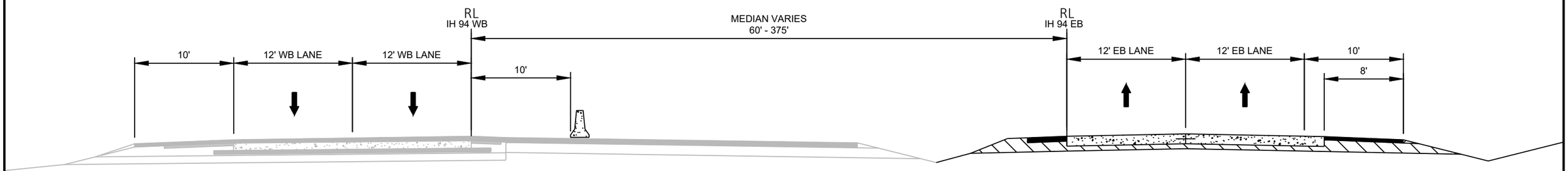
LEGEND

A	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 20, FERTILIZER TYPE A
2	HMA PAVEMENT 4 MT 58-34 S, 6-INCH
3	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH
	TRAFFIC CONTROL DRUMS
	CONCRETE BARRIER TEMPORARY PRECAST

LEGEND

TE4W	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
TE4W-LL	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE - 12.5' LINE, 37.5' SKIP)
TE4Y	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
RPM4	REMOVING PAVEMENT MARKINGS 4-INCH

SEE TRAFFIC CONTROL PLANS FOR PAVEMENT MARKING LOCATIONS



TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 2C
STA 94+33 TR - STA 229+00 EB

NOTE:
SEE "PROPOSED TYPICAL SECTIONS" FOR PAVEMENT STRUCTURE

SEE "PAVEMENT MARKING PLAN" FOR PERMANENT PAVEMENT MARKING

2

2

ANDERSON

SIGN

1044

IH 94

IH 94 WB

20+00WB

25+00WB

IH 94 WB

30+00WB

20+00EB

25+00EB

30+00EB

IH 94

IH 94 EB

IH 94 EB

SIGN

WO1-4BL

MATCH LINE STA. 34+00.00 EB

SEE "TRAFFIC CONTROL - ADVANCED WARNING" FOR ADVANCED WARNING SIGNS

CTH NN

CTH NN

N. FORK BUFFALO RIVER

REMOVE AND REPLACE MGS GUARDRAIL AND TERMINAL IN STAGE 1B TO ACCOMODATE STAGE 3AP2 TRAFFIC

B-61-218
EXISTING TO REMAIN

RIPRAP

RIPRAP

B-61-42

B-61-44

35+00WB

40+00WB

IH 94 WB

STA. 43+86EB, 12' RT

240' SHIFTING TAPER
(60 MPH)

STA. 48+00WB, 32' LT

STA. 48+00WB, 19' LT

STA. 48+00WB, 7' LT

STA. 43+91WB, 12' LT

STA. 45+50WB, 24' LT

STA. 45+50WB, 12' LT

STA. 45+51WB, 0' LT

T4WE

R4W

R4W-1

T4WE

12'

12'

12'

12'

45+00WB

IH 94

45+00TR

STA. 38+00EB, 12' RT

50'

CRASH CUSHIONS TEMPORARY
STA. 38+46TR, 3' LT

T4YE

R4Y

T4W

IH 94 TEMP ROAD

35+00EB

35+00TR

40+00EB

40+00TR

45+00EB

B-61-41

B-61-43

IH 94 EB (CLOSED)

50'

T4W

R4W-1

STA. 44+98EB, 0' RT

SIGN

R4Y

STA. 48+00EB, 23' LT

T4Y

STA. 39+66EB, 0' LT

STA. 39+66EB, 12' RT
BEGIN TEMPORARY RAISED PAVEMENT
MARKERS, TYPE II (50-FT SPACING)

B-61-217
EXISTING TO REMAIN

STAY IN LANE
R4-9
24"X30"

STA. 39+66EB, 24' RT

WO1-6
48"X24"

CRASH CUSHIONS TEMPORARY
STA. 43+70TR, 28' RT

ROAD CLOSED
R11-2
48"X30"

STA. 42+92EB, 13' LT

STA. 42+93EB, 1' LT

MATCH LINE STA. 49+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2A (2A-1)	SHEET 165	E

2

2

MATCH LINE STA. 49+00.00 EB

MATCH LINE STA. 64+00.00 EB

N

T4W

STAY IN LANE
R4-9
24"X30"

STA. 49+02TR, 12' RT
TEMPORARY RAISED PAVEMENT
MARKERS, TYPE II
END 50-FT SPACING, BEGIN 100-FT SPACING

R4Y

T4W

R4W

R4W-1

T4W-1

T4Y

WO1-4BL

STA. 58+10WB, 37' LT

MOVING SIGNS TYPE II

EXIT 88

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 2A
STA. 60+10TR, 27' RT

T8W

R8W

STA. 62+77WB, 24' LT

T4WE

WO1-6
48"X24"

NE RAMP (WB ON-RAMP)

IH 94 WB

IH 94 TEMP ROAD

50+00WB

50+00TR

55+00WB

55+00TR

60+00WB

60+00TR

12'

STA. 61+94EB, 0' LT

NWA TEMP RAMP

50'

75'

T4YE

T4WE

T4WE-1

IH 94 EB (CLOSED)

50+00EB

STA. 52+87TR, 24' RT

55+00EB

T4W-2

STA. 56+47TR, 36' RT

60+00EB

STA. 58+82TR, 39' RT

2' SHY TO BARRIER(TYP.)

STA. 60+24NWA, 0'

SIGN

WORK ZONE (TYP.)

360' TAPER

235' DECELERATION LANE

R4W

T4Y

R4W

R4W-1

ROAD CLOSED
R11-2
48"X30"

EXIT
45
MPH
WO13-2
48"X60"

MILE
88

MOVING SIGNS TYPE II

EXIT 88
10
Osseo
Fairchild

S2-01

PAID FOR AS "TRAFFIC CONTROL SIGNS
FIXED MESSAGE"

COVERING SIGNS TYPE I

MOVING SIGNS TYPE II

STA. 62+39EB, 12' RT

STA. 62+70EB, 23' RT

STA. 63+00EB, 0' LT

NO PARKING ON RAMP
EXCEPT MAINTENANCE OR POLICE AUTHORIZED VEHICLES

EXISTING SIGN
TO REMAIN

T4W

STA. 63+43EB, 12' RT

STA. 63+94EB, 23' RT

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2A (2A-2)	SHEET 166	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2A.DWG
LAYOUT NAME - 49+00 - 64+00

PLOT DATE : 4/20/2021 9:21 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

N

IH 94 EB

IH 94 EB (CLOSED)

IH 94 WB

IH 94 TEMP ROAD

B-61-156

NE RAMP (WB ON-RAMP) 110+00NE

NE - RAMP

SE RAMP (WB OFF-RAMP)

115+00NE

105+00NE

STA. 66+19WB, 32' LT

ROAD CLOSED
R11-2
48"X30"

T4Y

T4W

T8W

R8W

T4W-1

R4W

T4YE

R4W-1

T4WE

T4WE-1

R4Y

65+00EB

70+00EB

75+00EB

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 2A
STA. 74+56SWA, 18' RT

WO3-2

12'

ITS CAMERA

RIPRAP

SIGN

INL

MH

SIG. CAB.

65+00NWA

65+00NW

NWA TEMP RAMP

STA. 65+15NW, 0' LT

EXISTING SIS SIGN

BLUE SPECIFIC SERVICE SIGN
TO BE MOVED BY OTHERS
SEE SPECIAL PROVISIONS

15'

50'

R4Y

T4Y

EAST
10

WEST
10

EXISTING SIGN
TO REMAIN
STA. 63+82NW, 1' LT

STA. 66+70NWA, 15' RT

T4W

NW RAMP (EB OFF-RAMP)

70+00NW

PLAN OBSTRUCTED BY TREE

USH 10 WB

USH 10 EB

WO4-1R

ROAD CLOSED
R11-2
48"X30"

T4W

T4Y

50'

15'

SWA TEMP RAMP

80+80SW

SW-RAMP

R4Y

STA. 78+01SW, 0' LT

WORK ZONE (TYP.)

25'

PEDESTRIANS
BICYCLES
NON MOTORIZED TRAFFIC
MOTOR BICYCLES
PROHIBITED

EXISTING SIGN
TO REMAIN

NO PARKING
ON RAMP

EXISTING SIGN
TO REMAIN

STA. 70+71SWA, 15' RT

WO1-6
48"X24"

STA. 79+51SW, 0' LT

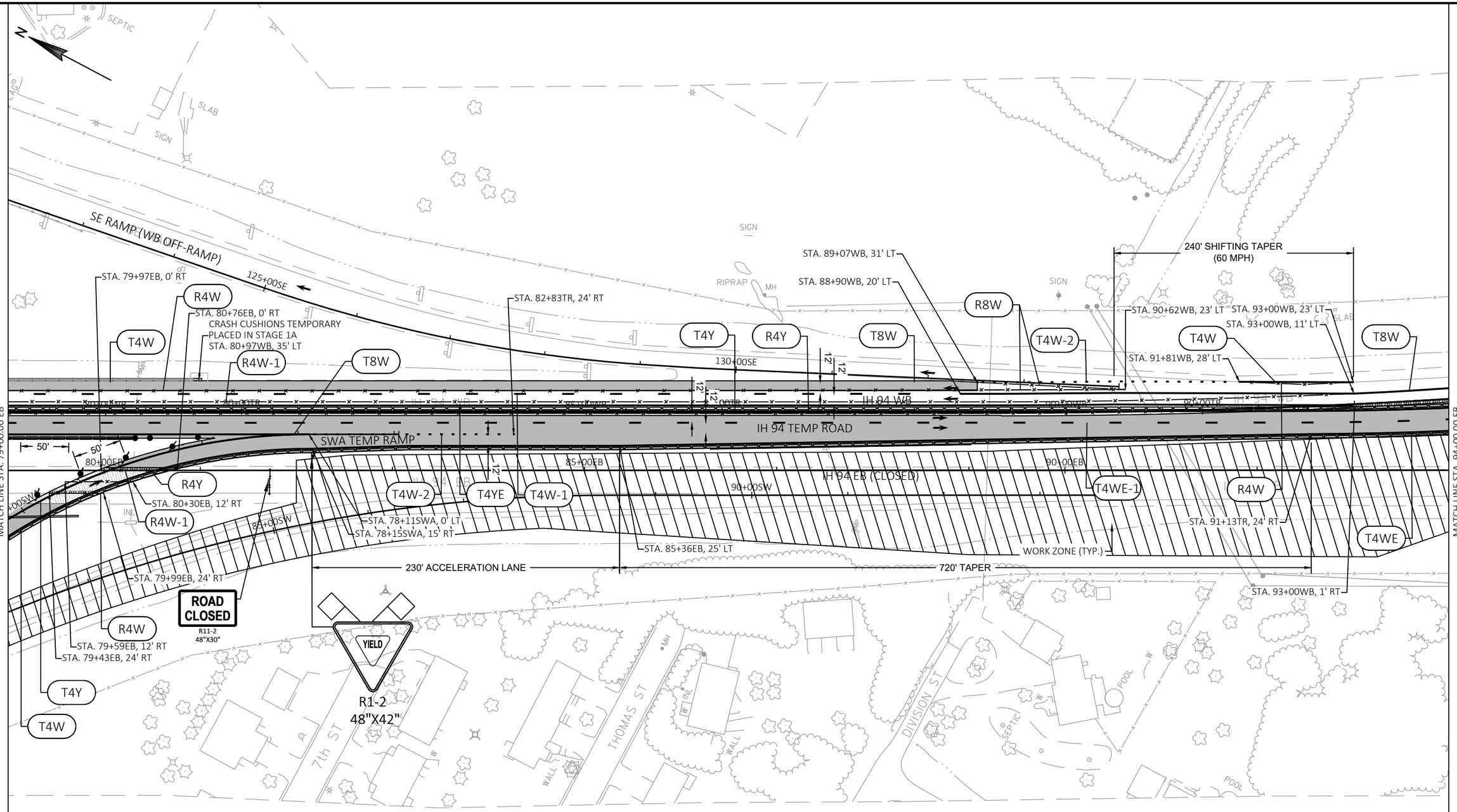
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2A (2A-3)	SHEET 167	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2A.DWG
LAYOUT NAME - 64+00 - 79+00

PLOT DATE : 4/20/2021 9:21 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2A (2A-4)	SHEET 168	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2A.DWG
LAYOUT NAME - 79+00 - 94+00
PLOT DATE : 4/20/2021 9:21 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

N

T8W

STAY IN LANE
R4-9
24"X30"

SIGN

T4YE

T4WE

T4WE-1

95+00WB

MATCH LINE STA. 94+00.00 EB

STA. 94+60WB, 12' LT

95+00EB

IH 94 WB

100+00WB

IH 94 WB

IH 94 TEMP ROAD

12'

12'

STA. 99+36WB, 39' RT

EAST INTERSTATE 94

MOVING SIGNS TYPE II

100+00EB

IH 94 EB

IH 94 EB (CLOSED)

RIPRAP

WORK ZONE (TYP.)

WD1-4BL

SIGN

105+00WB

200'

MOVING SIGNS TYPE II

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

MILE 89

MOVING SIGNS TYPE II

105+00EB

IH 94

MATCH LINE STA. 109+00.00 EB

SIGN

Hwy 121 10
Black River Falls 27
Madison 154

EXISTING SIGN TO REMAIN

N

T4YE

T4WE

T4WE-1

110+00WB

115+00WB

120+00WB

IH 94 WB

IH 94 TEMP ROAD

MATCH LINE STA. 109+00.00 EB

200'

12'

12'

WD1-4BL

SPEED LIMIT 60
R2-1

EMERGENCY PARKING 1/4 MILE
R8-53
48"X36"

MATCH LINE STA. 124+00.00 EB

WORK ZONE (TYP.)

110+00EB

115+00EB

120+00EB

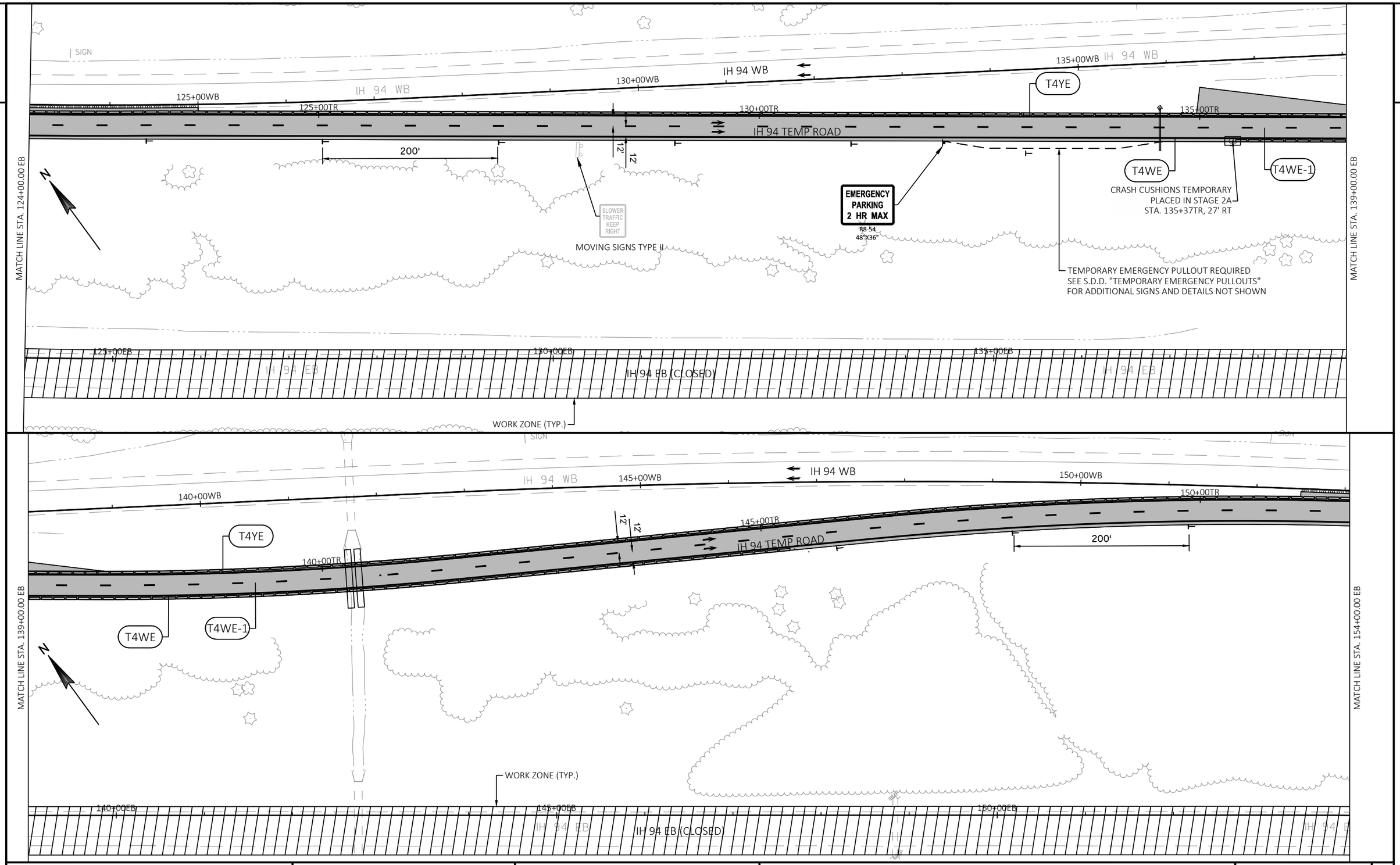
IH 94 EB (CLOSED)

IH 94 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2A (2A-5)	SHEET 169	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2A.DWG
LAYOUT NAME - 94+00 - 124+00

PLOT DATE : 4/20/2021 9:22 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########


SIGN
IH 94 WB
125+00WB
125+00TR
130+00WB
130+00TR
135+00WB
135+00TR
IH 94 TEMP ROAD
200'
12'
12'
T4YE
T4WE
T4WE-1
CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 2A
STA. 135+37TR, 27' RT
EMERGENCY
PARKING
2 HR MAX
R8-54
48"X36"
SLOWER
TRAFFIC
KEEP
RIGHT
MOVING SIGNS TYPE II
TEMPORARY EMERGENCY PULLOUT REQUIRED
SEE S.D.D. "TEMPORARY EMERGENCY PULLOUTS"
FOR ADDITIONAL SIGNS AND DETAILS NOT SHOWN
MATCH LINE STA. 124+00.00 EB
MATCH LINE STA. 139+00.00 EB
IH 94 EB
IH 94 EB (CLOSED)
125+00EB
130+00EB
135+00EB
WORK ZONE (TYP.)
N
140+00WB
145+00WB
150+00WB
140+00TR
145+00TR
150+00TR
140+00EB
145+00EB
150+00EB
MATCH LINE STA. 139+00.00 EB
MATCH LINE STA. 154+00.00 EB

2

2

T4YE

IH 94 WB

155+00WB

160+00WB

IH 94 WB

IH 94 WB

165+00WB

IH 94 TEMP ROAD

12'

12'

200'

T4WE

T4WE-1

MILE 90

MOVING SIGNS TYPE II

N

MATCH LINE STA. 154+00.00 EB

MATCH LINE STA. 169+00.00 EB

155+00EB

160+00EB

165+00EB

IH 94 EB (CLOSED)

IH 94 EB

WORK ZONE (TYP.)

T4YE

170+00WB

IH 94 WB

175+00WB

IH 94 WB

180+00WB

IH 94 WB

IH 94 TEMP ROAD

200'

12'

12'

T4WE

T4WE-1

EMERGENCY PARKING 1/4 MILE

R8-53

48"X36"

N

MATCH LINE STA. 169+00.00 EB

MATCH LINE STA. 184+00.00 EB

170+00EB

175+00EB

180+00EB

IH 94 EB

IH 94 EB (CLOSED)

IH 94 EB

WORK ZONE (TYP.)

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2A (2A-7)	SHEET 171	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2A.DWG
LAYOUT NAME - 154+00 - 184+00

PLOT DATE : 4/20/2021 9:22 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

185+00WB

190+00WB

IH 94 WB

195+00WB

IH

T4YE

IH 94 TEMP ROAD

200'

12'

12'

T4WE

T4WE-1

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 2A
STA. 191+66TR, 27' RT

EMERGENCY
PARKING
2 HR MAX

R8-54
48"X36"

TEMPORARY EMERGENCY PULLOUT REQUIRED
SEE S.D.D. "TEMPORARY EMERGENCY PULLOUTS"
FOR ADDITIONAL SIGNS AND DETAILS NOT SHOWN

MATCH LINE STA. 184+00.00 EB

MATCH LINE STA. 199+00.00 EB

185+00EB

190+00EB

IH 94 EB

IH 94 EB (CLOSED)

195+00EB

IH

WORK ZONE (TYP.)

2

94 WB

200+00WB

205+00WB

IH 94 WB

IH 94 WB

210+00WB

T4YE

IH 94 TEMP ROAD

200'

12'

12'

T4WE

T4WE-1

W01-4BR

MILE
9
1

MOVING SIGNS TYPE II

MATCH LINE STA. 199+00.00 EB

MATCH LINE STA. 214+00.00 EB

200+00EB

205+00EB

94 EB

IH 94 EB (CLOSED)

IH 94 EB

210+00EB

WORK ZONE (TYP.)

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2A (2A-8)	SHEET 172	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2A.DWG
LAYOUT NAME - 184+00 - 214+00

PLOT DATE : 4/20/2021 9:23 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

MATCH LINE STA. 214+00.00 EB

T4WE

T4YE

T4WE-1

STA. 216+24TR, 12' RT
TEMPORARY RAISED PAVEMENT
MARKERS, TYPE II
END 100-FT SPACING
BEGIN 50-FT SPACING

WO5-52L
12"X36"

SIGN

ROAD CLOSED
R11-2
48"X30"

215+00WB

IH 94 WB

220+00WB

225+00WB

IH 94 TEMP ROAD

12'

12'

220+00TR

25'

50'

SPEED LIMIT 60
R2-1

STAY IN LANE
R4-9
24"X30"

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

225+00TR

Jackson Co

MOVING SIGNS TYPE II

T4WE

MATCH LINE STA. 229+00.00 EB

215+00EB

220+00EB

225+00EB

IH 94 EB (CLOSED)

IH 94 EB

SIGN

WORK ZONE (TYP.)

IH 94 WB

230+00WB

235+00WB

240+00WB

B-27-36

B-27-36
EXISTING TO REMAIN

EXISTING SIGN
TO REMAIN

EXISTING SIGN
TO REMAIN

MATCH LINE STA. 229+00.00 EB

T4WE

R4Y

STA 233+52.37TR, 6' LT
MGS GUARDRAIL TEMPORARY AND MGS GUARDRAIL
TEMPORARY TERMINAL EAT REQUIRED - CONNECT
TO EXISTING THRIE BEAM
PERMANENT MGS GUARDRAIL 3 TO BE PLACED IN
STAGE 2C2

R4W-1

EXISTING SIGN
TO REMAIN

STA. 235+78TR, 12' RT
END TEMPORARY RAISED PAVEMENT
MARKERS, TYPE II (50-FT SPACING)

B-27-35
EXISTING TO REMAIN

50'

T4YE

12'

12'

230+00TR

IH 94 TEMP ROAD

STA. 237+00EB, 0'

235+00TR

240+00EB

IH 94 EB

B-27-35

WORK ZONE (TYP.)

230+00EB

IH 94 EB (CLOSED)

ROAD CLOSED
R11-2
48"X30"

50'

STA. 237+20EB, 24' RT

EXISTING SIGN
TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2A (2A-9)	SHEET 173	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2A.DWG
LAYOUT NAME - 214+00 - END

PLOT DATE : 4/20/2021 9:23 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

SIGN

IH 94 WB

20+00WB

25+00WB

30+00WB

20+00EB

25+00EB

30+00EB

IH 94 EB

SIGN

MATCH LINE STA. 34+00.00 EB

W01-4BL

SEE "TRAFFIC CONTROL - ADVANCED WARNING" FOR ADVANCED WARNING SIGNS

N

CTH NN

N. FORK BUFFALO RIVER

B-61-218
EXISTING TO REMAIN

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 2A
STA. 39+50TR, 3' LT

ROAD CLOSED
R11-2
48"X30"

240' SHIFTING TAPER
(60 MPH)

12'

12'

RIPRAP

RIPRAP

IH 94 WB

35+00WB

40+00WB

45+00WB

50'

45+00TR

12'

12'

IH 94 TEMP ROAD

35+00EB

35+00TR

IH 94 EB

40+00EB

40+00TR

45+00EB

NW RAMP (EB OFF-RAMP)

50'

25'

RIPRAP

RIPRAP

STA. 44+31EB, 1' LT

T8W

STA. 43+85TR, 24' RT

STA. 45+31EB, 1' LT

STA. 42+84EB, 11' RT

T4W

T4Y

STAY IN LANE
R4-9
48"x60"

B-61-217
EXISTING TO REMAIN

STA. 40+39EB, 23' RT

S2-01

EXIT 88

10

Osseo
Fairchild

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 2A
STA. 43+70TR, 27' RT

LANE CLOSED
R11-2L
48"X30"

PAID FOR AS "TRAFFIC CONTROL SIGNS
FIXED MESSAGE"

EXIT
88

MOVING SIGNS TYPE II

MATCH LINE STA. 49+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2B (2B-1)	SHEET 174	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2B.DWG
LAYOUT NAME - 20+00 - 49+00
PLOT DATE : 10/12/2021 8:20 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

N

STAY IN LANE
R4-9
48"x60"

W01-4BL

T4WE

12'
12'
12'
12'

STA. 58+82TR, 24' RT

NE RAMP (WB ON-RAMP)

102+00NB

50+00WB
50+00TR
IH 94 WB
55+00WB
55+00TR
60+00WB
60+00TR

IH 94 TEMP ROAD

STA. 52+87TR, 24' RT

STA. 57+12EB, 0' LT

50+00EB
55+00EB
60+00EB

NW RAMP (EB OFF-RAMP)

50'
50'

IH 94 EB (CLOSED)

62+00NW

NW RAMP (EB OFF-RAMP)

STA. 56+59EB, 12' RT

STA. 58+42EB, 26' RT

STA. 61+00EB, 0'

MATCH LINE STA. 49+00.00 EB

MATCH LINE STA. 64+00.00 EB

SIGN

T4W

T4Y

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

STA. 60+55EB, 28' RT

LANE CLOSED
R11-2L
48"X30"

MILE
88

MOVING SIGNS TYPE II

EXIT 88
TO
U.S. 59
TEXARKANA

COVERING SIGNS TYPE I

NO PARKING ON RAMP
EXISTING SIGN TO REMAIN

WORK ZONE (TYP.)

EXISTING SIGN TO REMAIN

PLACE TEMPORARY EPOXY PAVEMENT MARKING STA 49+64 EB - STA 97+50 EB FOR PAVEMENT MARKING REMOVAL REQUIRED DURING STAGE 3 TRAFFIC CONTROL STAGING

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2B (2B-2)	SHEET 175	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2B.DWG
LAYOUT NAME - 49+00 - 64+00
PLOT DATE : 10/12/2021 8:19 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

N

FLAG

W

SIGN

INL

RIPRAP

MH

SMP

114+00NE

112+00NE

110+00NE

108+00NE NE RAMP (WB ON-RAMP)

106+00NE

104+00NE

SE RAMP (WB OFF-RAMP)

122+00S

SIG. CAB.

ITS CAMERA

EMERGENCY PARKING 1/4 MILE

R8-53
48"X36"

12'

IH 94 WB

65+00WB

65+00TR

70+00WB

70+00TR

75+00WB

75+00TR

IH 94 TEMP ROAD

B-61-156

65+00EB

70+00EB

75+00EB

IH 94 EB (CLOSED)

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

64+00NW

66+00NW

50'

EXISTING SIS SIGN

MOVING SIGNS TYPE II

WORK ZONE (TYP.)

T4Y

EAST 10 WEST 10

EXISTING SIGN TO REMAIN

68+00NW

70+00NW

NW RAMP (EB OFF-RAMP)

72+00NW

PLAN OBSTRUCTED BY TREE

USH 10 WB

USH 10 EB

SLAB

W04-1R

WO1-6
48"X24"

T4YE

78+00SW

50'

80+00SW

SW RAMP (EB ON-RAMP)

82+00S

ROAD CLOSED

R11-2
48"X30"

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED

EXISTING SIGN TO REMAIN

NO PARKING ON RAMP

EXISTING SIGN TO REMAIN

STA. 75+18EB, 294' RT

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2B (2B-3)	SHEET 176	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2B.DWG
LAYOUT NAME - 64+00 - 79+00

PLOT DATE : 4/20/2021 9:25 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

SEPTIC
SLAB
SIGN
SE RAMP (WB OFF-RAMP)
124+00SE
126+00SE
128+00SE
130+00SE
132+00SE
TEMPORARY EMERGENCY PULLOUT REQUIRED
SEE S.D.D. "TEMPORARY EMERGENCY PULLOUTS"
FOR ADDITIONAL SIGNS AND DETAILS NOT SHOWN
240' SHIFTING TAPER
(60 MPH)
RIPRAP
MH
SIGN
SLAB
CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 1A
STA. 80+97WB, 35' LT
EMERGENCY
PARKING
2 HR MAX
R8-54
48"X36"
STA. 79+72TR, 28' RT
STA. 80+70TR, 24' RT
T4WE
12'
12'
12'
12'
80+00WB
80+00TR
85+00WB
85+00TR
IH 94 WB
90+00WB
90+00TR
IH 94 TEMP ROAD
MATCH LINE STA. 79+00.00 EB
MATCH LINE STA. 94+00.00 EB
80+00EB
85+00EB
90+00EB
STA. 86+31EB, 22' LT
STA. 92+37EB, 10' LT
SWB TEMP RAMP
IH 94 EB (CLOSED)
STA. 82+00EB, 0'
STA. 83+85EB, 32' RT
86+00SW
88+00SW
90+00SW
92+00SW
WORK ZONE (TYP.)
84+00SW
SW RAMP (EB ON-RAMP)
15'
STA. 87+53TR, 24' RT
STA. 93+34SW, 0'
STA. 93+57SW, 12' RT
T4Y
T4W
ROAD
CLOSED
R11-2
48"X30"
WO1-6
48"X24"
STA. 86+73EB, 26' RT
STA. 85+71EB, 11' LT
LANE
CLOSED
R11-2L
48"X30"
CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 2B
STA. 90+17EB, 5' RT
WO1-6
48"X24"
ROAD
CLOSED
R11-2
48"X30"
WO3-2
MH
INL
WALL
POOL
SEPTIC

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2B (2B-4)	SHEET 177	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2B.DWG
LAYOUT NAME - 79+00 - 94+00
PLOT DATE : 4/20/2021 9:26 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

N

MATCH LINE STA. 94+00.00 EB

STAY IN LANE
R4-9
24"X30"

STA. 93+50TR, 24' RT

T8W

SIGN

STA. 95+99SWB, 0'

STA. 95+24TR, 24' RT

95+00WB

95+00TR

96+00SWB

SWB TEMP RAMP

95+00EB

15'

STA. 95+99TR, 36' RT

T4W

EAST INTERSTATE 94

MOVING SIGNS TYPE II

100+00WB

100+00TR

IH 94 WB

12'

12'

IH 94 TEMP ROAD

W01-4R

SIGN

105+00WB

105+00TR

200'

MILE 8 9

MOVING SIGNS TYPE II

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

MOVING SIGNS TYPE II

105+00EB

100+00EB

IH 94 EB (CLOSED)

T8W-2

T4Y

STA. 94+99SWB, 0'

RIPRAP

SIGN

YIELD

R1-2
48"X42"

720' TAPER

Hwy 121	10
Black River Falls	27
Madison	154

EXISTING SIGN
TO REMAIN

STA 109+00 EB TO END OF PROJECT SEE "TRAFFIC CONTROL - STAGE 2B TYPICAL SECTION" AND FOLLOW "TRAFFIC CONTROL - STAGE 2A" FOR ADDITIONAL SIGNS AND DETAILS

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2B	(2B-5)	SHEET 178	E

2

185+00WB

IH 94 WB

190+00WB

IH 94 WB

195+00WB

IH

2

N

RIGHT LANE CLOSED 1/2 MILE

W20-5G

MATCH LINE STA. 199+00.00 EB

185+00EB

190+00EB

195+00EB

IH 94 EB

IH 94 EB

IH

SEE S.D.D "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL SIGNING AND DETAILS NOT SHOWN ON PLAN

SEE "TRAFFIC CONTROL - ADVANCED WARNING" FOR ADVANCED WARNING SIGNS

94 WB

200+00WB

205+00WB

IH 94 WB

IH 94 WB

210+00WB

MATCH LINE STA. 199+00.00 EB

N

W04-2R

MATCH LINE STA. 214+00.00 EB

200+00EB

205+00EB

210+00EB

STA. 214

94 EB

IH 94 EB

IH 94 EB

STA. 209+40EB, 0'

STA. 209+40EB, 12' RT

50'

5 DRUMS SPACED @ 10-FT INTERVALS

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2C1 (2C1-1)	SHEET 179	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2C1.DWG
LAYOUT NAME - 184+00 - 214+00

PLOT DATE : 4/20/2021 9:27 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

MATCH LINE STA. 214+00.00 EB

215+00WB

IH 94 WB

220+00WB

225+00WB

50'

STA. 225+50WB, 24' LT

STA. 225+50WB, 12' LT

240' SHIFTING TAPER
(60 MPH)

T4W

R4W

T4Y

STA. 228+00WB, 32' LT

STA. 228+00WB, 20' LT

12'

WORK ZONE (TYP.)

SIGN

W01-4L

LANE
CLOSED
R11-2L
48"X30"

215+00EB

220+00EB

225+00EB

IH 94 EB

STA. 221+40EB, 12' RT

50'

100'

240' SHIFTING TAPER
(60 MPH)

STA. 228+60EB, 0'

STA. 228+60EB, 12' RT

MATCH LINE STA. 229+00.00 EB

2

MATCH LINE STA. 229+00.00 EB

R4W

T4W

T4Y

12'

WORK ZONE (TYP.)

230+00WB

IH 94 WB

235+00WB

240+00WB

B-27-36
EXISTING TO REMAIN

EXISTING SIGN
TO REMAIN

W01-4L

ROAD
CLOSED
R11-2
48"X30"

EXISTING SIGN
TO REMAIN

STA. 237+00EB, 13' RT
SAWING CONCRETE

STA. 234+97EB, 10' LT

STA. 237+45EB, 6' LT

B-27-35
EXISTING TO REMAIN

240' SHIFTING TAPER
(60 MPH)

240' SHIFTING TAPER
(60 MPH)

50'

230+00EB

235+00EB

240+00EB

IH 94 EB

STA. 239+00EB, 4' LT

STA. 240+50EB, 0'

STA. 239+00EB, 8' RT

STA. 240+50EB, 12' RT

50'

WO5-52R
12"X36"

STA. 232+00EB, 12' RT

MATCH LINE STA. 243+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2C1 (2C1-2)	SHEET 180	E

2

N

STA. 246+00WB, 32' LT

R4W

12'

T4Y

240' SHIFTING TAPER
(60 MPH)

T4W

245+00WB

STA. 248+50WB, 24' LT

STA. 248+50WB, 12' LT

STA. 246+00WB, 20' LT

MATCH LINE STA. 243+00.00 EB

WO5-52L
12"X36"

LANE
CLOSED

R11-2L
48"X30"

250+00WB

720' MERGING TAPER
(60 MPH)

IH 94 WB

STA. 253+50WB, 12' LT

R4Y

100'

50'

255+00WB

R4W-1

W9Z-4R

MATCH LINE STA. 258+00.00 EB

IH 94 EB

245+00EB

N

STA. 260+49WB, 12' LT

STA. 260+50WB, 0' LT

R4W-1

260+00WB

IH 94 WB

R4Y

50'

720' MERGING TAPER
(60 MPH)

265+00WB

5 DRUMS SPACED @ 10-FT INTERVALS

W9Z-2L

IH 94 WB

IH 94 WB

MATCH LINE STA. 258+00.00 EB

260+00EB

265+00EB

IH 94 EB

IH 94 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2C1 (2C1-3)	SHEET 181	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2C1.DWG
LAYOUT NAME - 243+00 - END

PLOT DATE : 4/20/2021 9:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

185+00WB

190+00WB

IH 94 WB

195+00WB

N

MATCH LINE STA. 199+00.00 EB

185+00EB

190+00EB

195+00EB

IH 94 EB

SEE S.D.D "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL SIGNING AND DETAILS NOT SHOWN ON PLAN

SEE "TRAFFIC CONTROL - ADVANCED WARNING" FOR ADVANCED WARNING SIGNS

2

MATCH LINE STA. 199+00.00 EB

200+00WB

205+00WB

IH 94 WB

210+00WB

MATCH LINE STA. 214+00.00 EB

N

W04-2L

5 DRUMS SPACED @ 10-FT INTERVALS

6MP

50'

720' MERGING TAPER
(60 MPH)

T4Y

200+00EB

205+00EB

210+00EB

IH 94 EB

STA. 209+40EB, 0' LT

R4W-1

W01-4R

6MP

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2C2 (2C2-1)	SHEET 182	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2C2.DWG
LAYOUT NAME - 184+00 - 214+00

PLOT DATE : 4/20/2021 9:29 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

2

MATCH LINE STA. 214+00.00 EB

MATCH LINE STA. 229+00.00 EB

IH 94 WB

215+00WB

220+00WB

225+00WB

SIGN

STA. 226+50WB, 12' LT

STA. 225+61WB, 3' RT

240' SHIFTING TAPER
(60 MPH)

T4W

50'

T4Y

R4Y

STA. 226+50WB, 0' LT

WO5-52L
12"X36"

N

LANE
CLOSED
R11-2L
48"X30"

WO5-52L
12"X36"

STA. 227+50EB, 17' RT

T4Y

215+00EB

50'

100'

220+00EB

225+00EB

STA. 225+04EB, 20' RT

IH 94 EB

R4W-1

216+40EB, 12' RT

720' MERGING TAPER
(60 MPH)

STA. 221+40EB, 24' RT

240' SHIFTING TAPER
(60 MPH)

R4W

T4W

SIGN

12'

WORK ZONE (TYP.)

240' SHIFTING TAPER
(60 MPH)

STA. 230+50WB, 0'

T4W

STA. 229+00WB, 4' LT

230+00WB

IH 94 WB

12'

50'

T4Y

ROAD
CLOSED
R11-2
48"X30"

R4Y

STA. 229+00WB, 8' RT

STAGE 1B WORK ZONE (TYP.)

WO1-4L

MATCH LINE STA. 229+00.00 EB

B-27-36
EXISTING TO REMAIN

EXISTING SIGN
TO REMAIN

240' SHIFTING TAPER
(60 MPH)

STA. 242+00WB, 8' LT

242+00WB

STA. 239+60WB, 15' LT
SAWING CONCRETE

R4Y

STA. 242+00WB, 4' RT

WO1-4R

EXISTING SIGN
TO REMAIN

EXISTING SIGN
TO REMAIN

MATCH LINE STA. 243+00.00 EB

B-27-35
EXISTING TO REMAIN

50'

235+00EB

240+00EB

STA. 240+50EB, 0'

230+00EB

IH 94 EB

12'

R4W

T4Y

T4W

EXISTING SIGN
TO REMAIN

STA. 239+50EB, 20' RT

STA. 241+91EB, 12' RT

240' SHIFTING TAPER
(60 MPH)

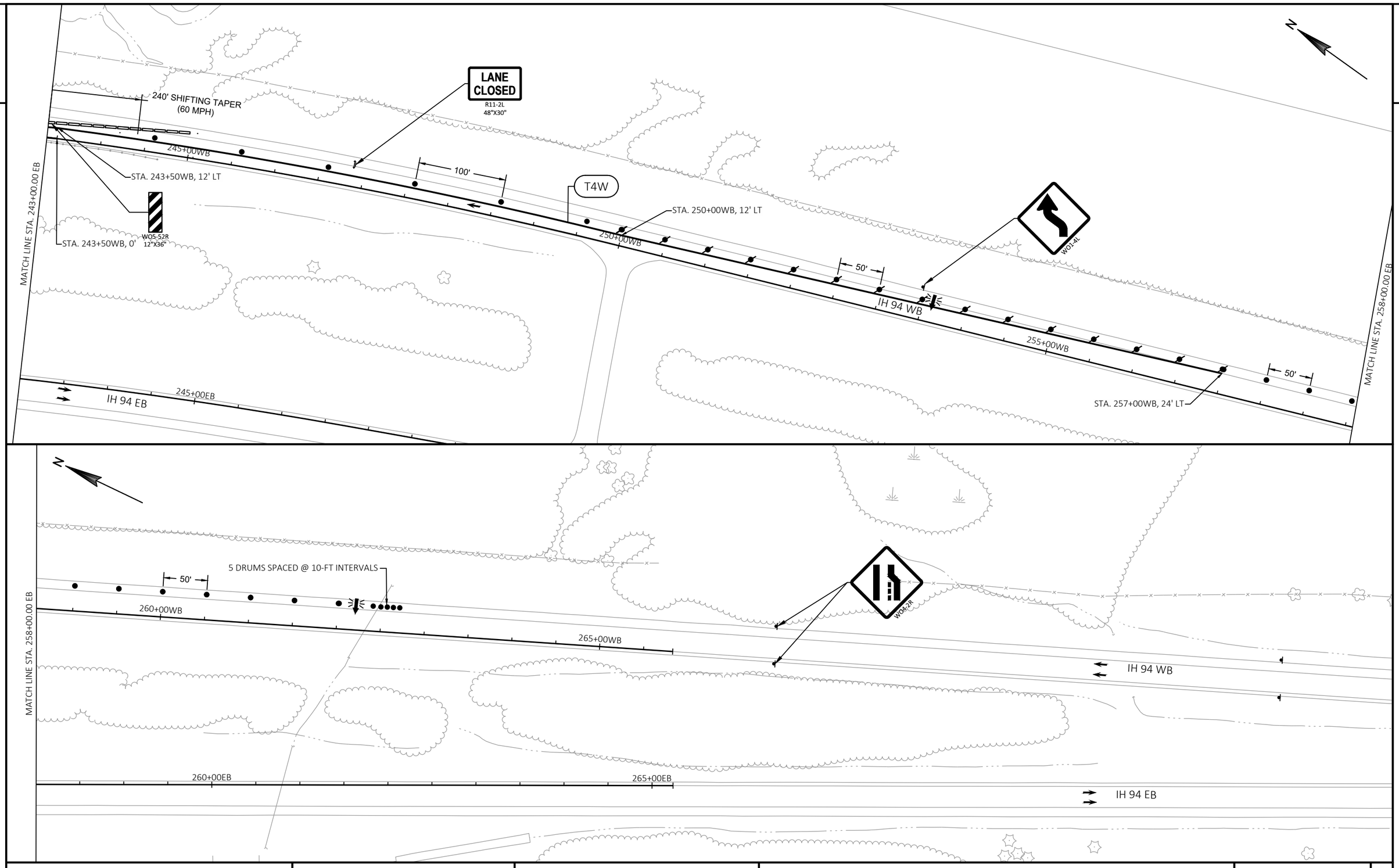
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2C2 (2C2-2)	SHEET 183	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2C2.DWG
LAYOUT NAME - 214+00 - 243+00

PLOT DATE : 4/20/2021 9:30 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 2C2 (2C2-3)	SHEET 184	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025002-TC-STAGE 2C2.DWG
LAYOUT NAME - 243+00 - END
PLOT DATE : 4/20/2021 9:30 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

STAGE 3AP1

CONSTRUCTION OPERATIONS:

IH 94 TEMP ROAD

- CONSTRUCT TEMPORARY PAVEMENT STA 48+00 TRE - STA 98+00 TRE

NEA TEMP RAMP

- CONSTRUCT TEMPORARY NEA TEMP RAMP FROM IH 94 WB MATCH IN TO STA 710+00 NEA

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC TRAVELS ON PROPOSED PAVEMENT

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON EXISTING PAVEMENT

USH 10

- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- SW RAMP TRAFFIC AND NW RAMP TRAFFIC TRAVEL ON PROPOSED PAVEMENT
- NE RAMP TRAFFIC AND SE RAMP TRAFFIC TRAVELS ON EXISTING PAVEMENT

STAGE 3AP2

CONSTRUCTION OPERATIONS:

IH 94 EB

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 43+10 EB, LT - STA 95+00 EB, RT
  - STA 69+09 EB, RT - STA 75+84 EB, RT

IH 94 TEMP ROAD

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 46+86 TRE, LT - STA 64+75 TRE, LT
  - STA 66+75 TRE, LT - STA 100+97 TRE, LT
  - STA 90+50 TRE , RT - STA 103+89 TRE, RT
  - STA 106+09 TRE, LT - STA 126+26 TRE, LT
  - STA 152+19 TRE, LT - STA 216+66 TRE, LT

IH 94 WB WIDENING

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 217+66 XO, LT - STA 233+77 XO, LT

SEA TEMP RAMP

- CONSTRUCT TEMPORARY SEA TEMP RAMP

SEB TEMP RAMP

- COMPLETE CONSTRUCTING TEMPORARY SEC TEMP RAMP FROM IH 94 TEMP ROAD MATCH IN TO IH 94 WB PROPOSED MATCH IN

NEA TEMP RAMP

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 701+77 NEA, LT - STA 704+18 NEA, LT

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC SHIFTS TO OUTSIDE FROM NORTH CROSSOVER TO SOUTH OF USH 10 INTERCHANGE
- IH 94 EB TRAFFIC TRAVELS ON PROPOSED PAVEMENT SOUTH OF USH 10 INTERCHANGE

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON TEMPORARY ROADWAY THROUGHOUT PROJECT

USH 10

- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- SW RAMP TRAFFIC AND NW RAMP TRAFFIC TRAVEL ON PROPOSED PAVEMENT
- SE RAMP TRAFFIC TRAVELS ON EXISTING PAVEMENT
- NE RAMP TRAFFIC TRAVELS ON EXISTING PAVEMENT TO NEA TEMP RAMP AND MERGES WITH IH 94 TEMP ROAD

2

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3 OV.DWG
LAYOUT NAME - 01 3 Notes
PLOT DATE : 4/20/2021 9:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

STAGE 3B

CONSTRUCTION OPERATIONS:

IH 94 TEMP ROAD

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 87+75 TRE, LT - STA 91+40 TRE, LT
  - STA 100+97 TRE, LT - STA 106+09 TRE, LT

IH 94 WB

- CONSTRUCT PROPOSED CONCRETE PAVEMENT AND ASPHALT SHOULDERS STA 49+64 WB - STA 66+50 WB AND STA 87+50 WB - STA 230+50 WB

NE ON-RAMP

- CONSTRUCT PROPOSED RAMP CONCRETE PAVEMENT AND ASPHALT SHOULDERS STA 100+00 NE - STA 109+50 NE

SE OFF-RAMP

- CONSTRUCT PROPOSED RAMP CONCRETE PAVEMENT AND ASPHALT SHOULDERS STA 129+11 SE - STA 133+99 SE

SEA TEMP RAMP

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 102+00 SEA, RT - STA 103+94 SEA, RT
  - STA 102+00 SEA, LT - STA 107+72 SEA, LT

SEB TEMP RAMP

- CONSTRUCT WB TEMPORARY RAMP PAVEMENT STA 133+50 SEB - STA 135+65 SEB

USH 10 EB

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 21+84 E, RT - STA 27+36 E, RT
- CONSTRUCT PROPOSED RIGHT TURN LANE
- EPOXY OVERLAY B-61-156 (OUTSIDE LANE)
- INSTALL TEMPORARY TRAFFIC SIGNALS

USH 10 WB

- CONSTRUCT PROPOSED RIGHT TURN LANE
- EPOXY OVERLAY B-61-156 (OUTSIDE LANE)
- COMPLETE TRAFFIC SIGNAL MODIFICATIONS PRIOR TO STAGE 3B CONSTRUCTION ON USH 10

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC SHIFTS TO OUTSIDE FROM NORTH CROSSOVER TO SOUTH OF USH 10 INTERCHANGE

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON TEMPORARY ROADWAY THROUGHOUT PROJECT

USH 10

- CLOSE OUTSIDE TRAVEL LANE, MAINTAIN ONE (1) LANE OF TRAVEL IN EACH DIRECTION
- CLOSE INSIDE LEFT TURN LANE ON NW OFF-RAMP AND SE OFF-RAMP
- USH 10 & IH 94 EB RAMPS INTERSECTION WILL OPERATE UNDER TEMPORARY TRAFFIC SIGNAL MODIFICATIONS
- USH 10 & IH 94 WB RAMPS INTERSECTION WILL OPERATE UNDER PROPOSED PERMANENT TRAFFIC SIGNAL OPERATIONS

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- SW RAMP TRAFFIC AND NW RAMP TRAFFIC TRAVEL ON PROPOSED PAVEMENT
- SE RAMP TRAFFIC TRAVELS ON SEA TEMP RAMP TO EXISTING RAMP PAVEMENT
- NE RAMP TRAFFIC TRAVELS ON EXISTING PAVEMENT TO NEA TEMP RAMP AND MERGES WITH IH 94 TEMP ROAD

STAGE 3C

CONSTRUCTION OPERATIONS:

IH 94 TEMP ROAD

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 60+73 TRE, LT - STA 63+53 TRE, LT
  - STA 63+48 TRE, LT - STA 66+69 TRE, LT
  - STA 83+99 TRE, LT - STA 91+34 TRE, LT

IH 94 WB

- CONSTRUCT PROPOSED CONCRETE PAVEMENT AND ASPHALT SHOULDERS STA 66+50 WB - STA 87+50 WB

NEA TEMP RAMP

- REMOVE TEMPORARY RAMP

SEA TEMP RAMP

- REMOVE TEMPORARY RAMP

SEB TEMP RAMP

- PLACE CONCRETE BARRIER TEMPORARY PRECAST:
  - STA 135+00 SEB, RT - STA 136+87 SEB, RT
  - STA 136+34 SEB, LT - STA 138+86 SEB, LT

USH 10 EB

- EPOXY OVERLAY B-61-156 (INSIDE LANE)
- COMPLETE TRAFFIC SIGNAL MODIFICATIONS PRIOR TO STAGE 3C CONSTRUCTION ON USH 10

USH 10 WB

- EPOXY OVERLAY B-61-156 (INSIDE LANE)

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC SHIFTS TO OUTSIDE FROM NORTH CROSSOVER TO SOUTH OF USH 10 INTERCHANGE
- IH 94 EB TRAFFIC TRAVELS ON PROPOSED PAVEMENT SOUTH OF USH 10 INTERCHANGE

IH 94 WB

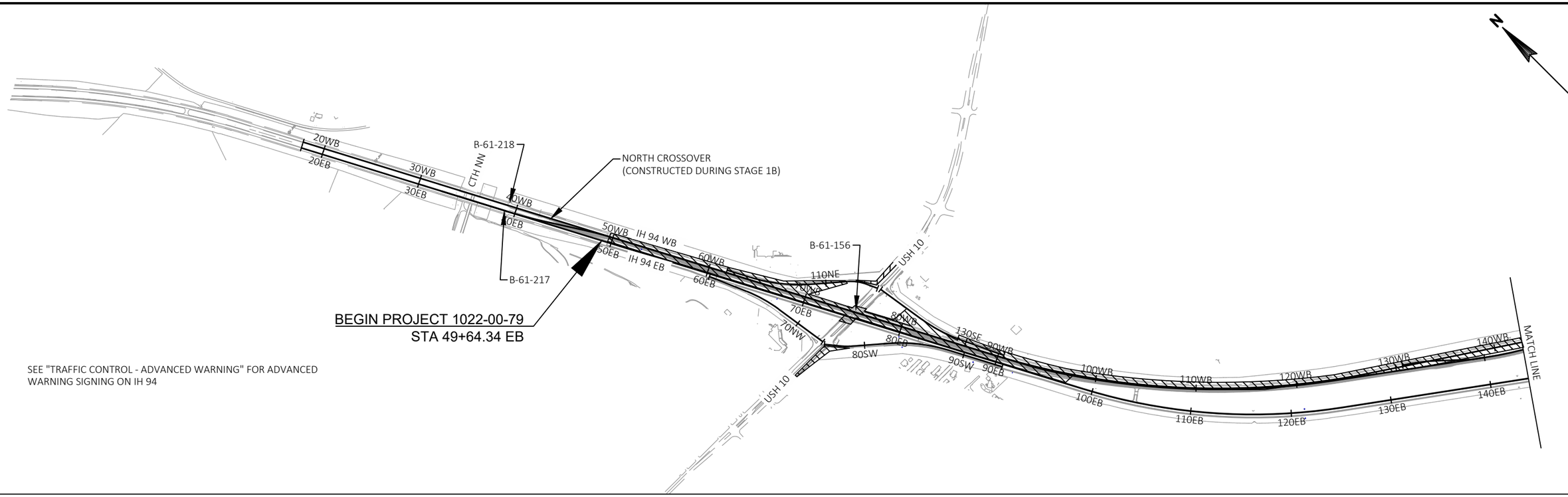
- IH 94 WB TRAFFIC TRAVELS ON TEMPORARY ROADWAY THROUGHOUT PROJECT

USH 10

- CLOSE INSIDE TRAVEL LANE, MAINTAIN ONE (1) LANE OF TRAVEL IN EACH DIRECTION
- CLOSE INSIDE LEFT TURN LANES ON NW OFF-RAMP AND SE OFF-RAMP
- USH 10 AND RAMP INTERSECTIONS WILL OPERATE UNDER PROPOSED PERMANENT TRAFFIC SIGNAL OPERATIONS

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- SW RAMP TRAFFIC AND NW RAMP TRAFFIC TRAVEL ON PROPOSED PAVEMENT
- SE RAMP TRAFFIC TRAVELS ON SEC TEMP RAMP TO PROPOSED IH 94 WB TO PROPOSED RAMP PAVEMENT
- NE RAMP TRAFFIC TRAVELS ON PROPOSED RAMP PAVEMENT TO NEA TEMP RAMP AND MERGES WITH IH 94 TEMP ROAD



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET 187	E

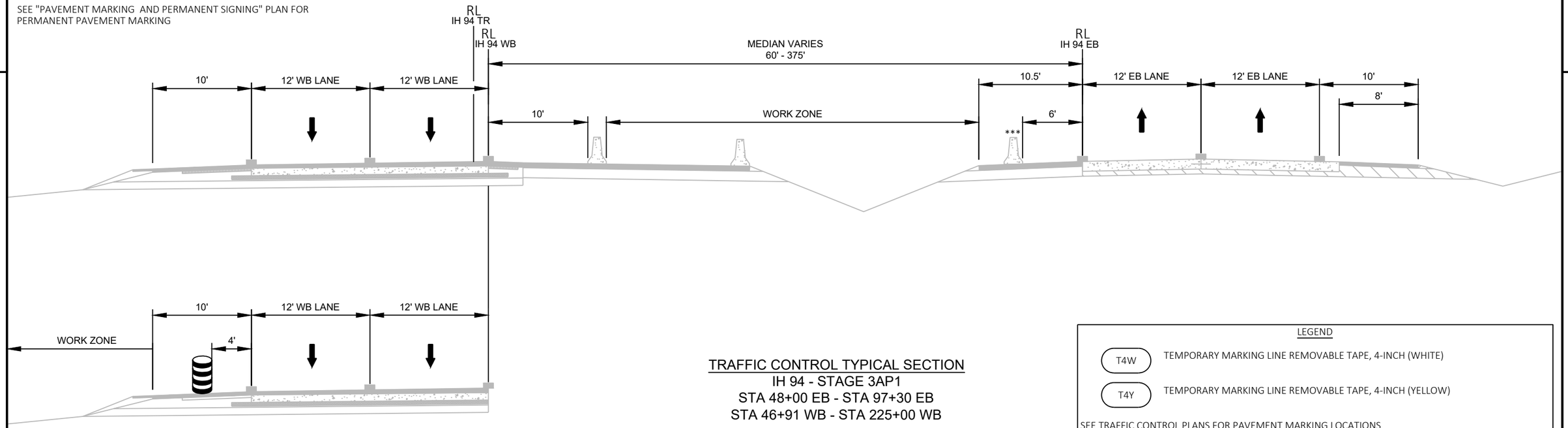
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3 OV.DWG
LAYOUT NAME - 03 Overview

PLOT DATE : 4/20/2021 9:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

NOTE:
SEE "PROPOSED TYPICAL SECTIONS" FOR PAVEMENT STRUCTURE

SEE "PAVEMENT MARKING AND PERMANENT SIGNING" PLAN FOR PERMANENT PAVEMENT MARKING



TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 3AP1
STA 48+00 EB - STA 97+30 EB
STA 46+91 WB - STA 225+00 WB

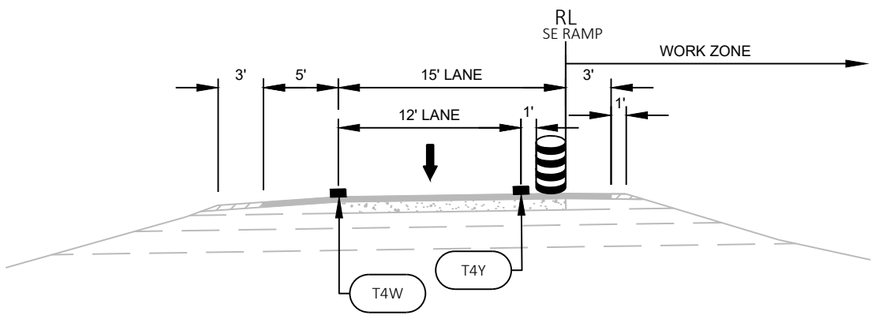
LEGEND

T4W — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)

T4Y — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)

SEE TRAFFIC CONTROL PLANS FOR PAVEMENT MARKING LOCATIONS

TRAFFIC CONTROL PARTIAL TYPICAL SECTION
IH 94 - STAGE 3AP1
STA 66+38 WB - STA 87+58 WB

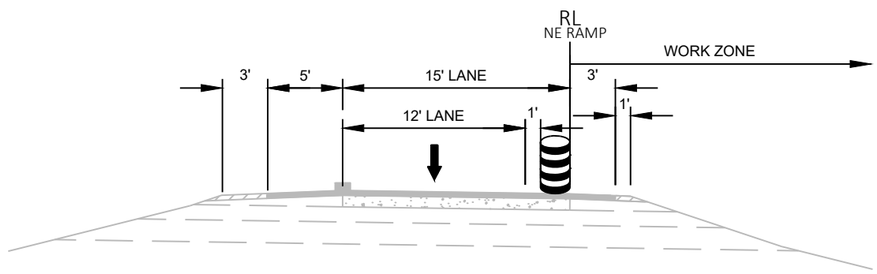


TRAFFIC CONTROL TYPICAL SECTION
SE RAMP (WB OFF-RAMP)
STAGE 3AP2

LEGEND

TRAFFIC CONTROL DRUMS

CONCRETE BARRIER TEMPORARY PRECAST



TRAFFIC CONTROL TYPICAL SECTION
NE RAMP (WB ON-RAMP)
STAGE 3AP1

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3 TYPICAL SECTION	SHEET 188	E

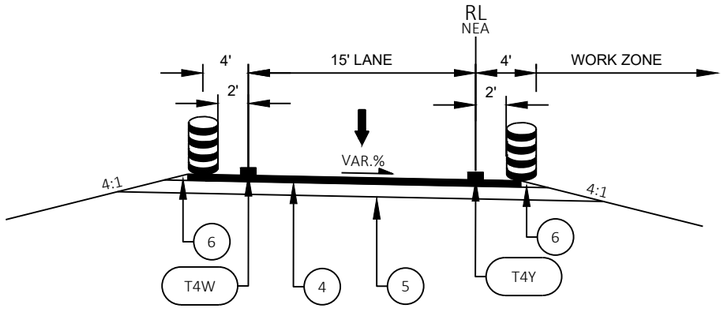
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3 OV.DWG
LAYOUT NAME - 04 Stg 3 TYP
PLOT DATE : 4/20/2021 9:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

NOTE:
SEE "PROPOSED TYPICAL SECTIONS" FOR PAVEMENT STRUCTURE

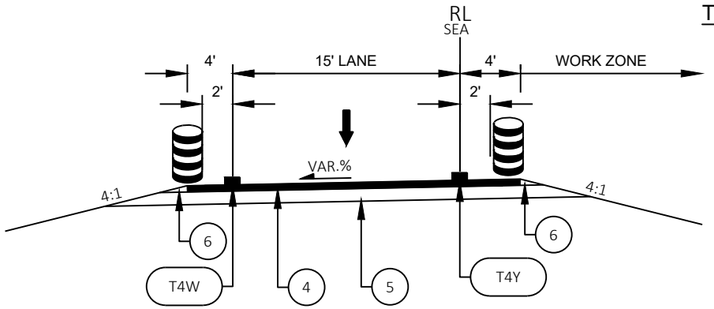
SEE "PAVEMENT MARKING AND PERMANENT SIGNING" PLAN FOR PERMANENT PAVEMENT MARKING

LEGEND

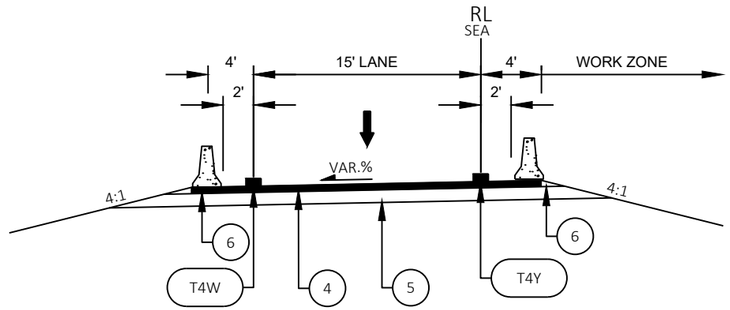
T4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
R4Y	MARKING REMOVAL LINE, 4-INCH (YELLOW)
T4WE	TEMPORARY MARKING LINE EPOXY, 4-INCH (WHITE)
T4YE	TEMPORARY MARKING LINE EPOXY, 4-INCH (YELLOW)
T4W-1	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE - 12.5' LINE, 37.5' SKIP)



TRAFFIC CONTROL TYPICAL SECTION
NEA TEMP RAMP
STAGE 3AP2, 3B, & 3C



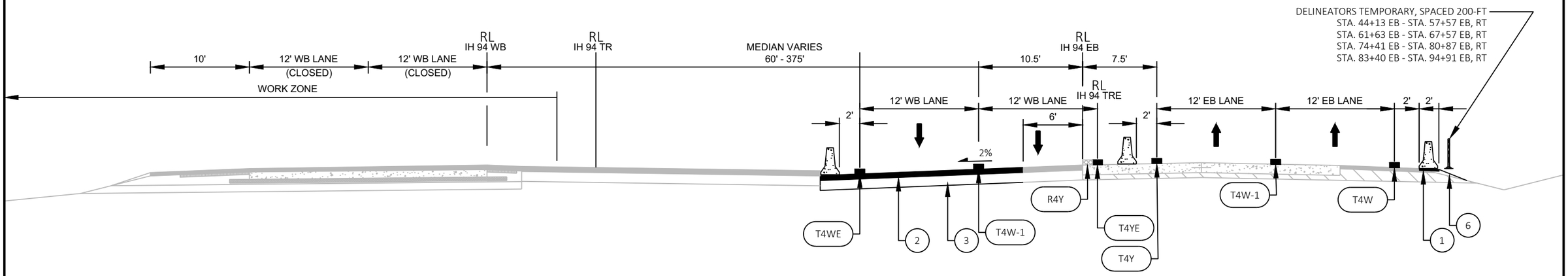
TRAFFIC CONTROL TYPICAL SECTION
SEA TEMP RAMP
STAGE 3B & 3C



TRAFFIC CONTROL TYPICAL SECTION
SEA TEMP RAMP
STAGE 3B & 3C

LEGEND

1	ASPHALTIC SURFACE TEMPORARY, 2-INCH
2	ASPHALTIC SURFACE TEMPORARY, 6-INCH
3	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH
4	ASPHALTIC SURFACE TEMPORARY, 5-INCH
5	BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
6	BASE AGGREGATE DENSE 3/4-INCH
	CONCRETE BARRIER TEMPORARY PRECAST
	DELINEATORS TEMPORARY
	TRAFFIC CONTROL DRUMS



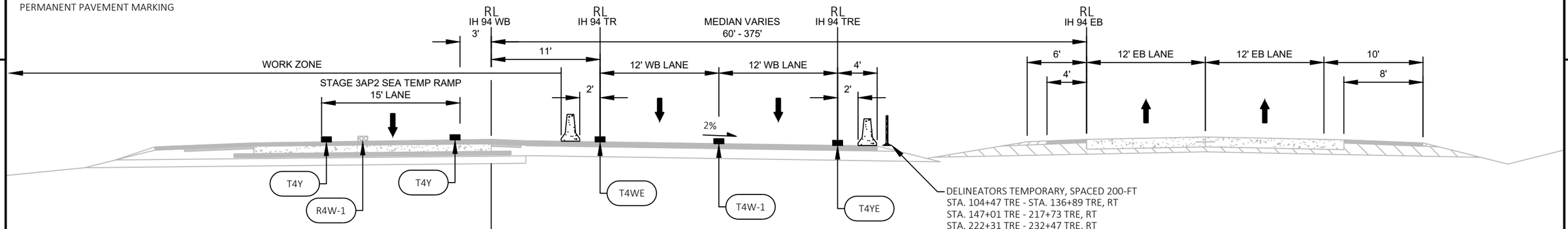
TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 3AP2, 3B, & 3C
STA 39+20 TRE - STA 87+90 TRE

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3 TYPICAL SECTION	SHEET 189 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3 OV.DWG
LAYOUT NAME - 05 Stg 3 TYP
PLOT DATE : 4/20/2021 9:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

NOTE:
SEE "PROPOSED TYPICAL SECTIONS" FOR PAVEMENT STRUCTURE

SEE "PAVEMENT MARKING AND PERMANENT SIGNING" PLAN FOR PERMANENT PAVEMENT MARKING

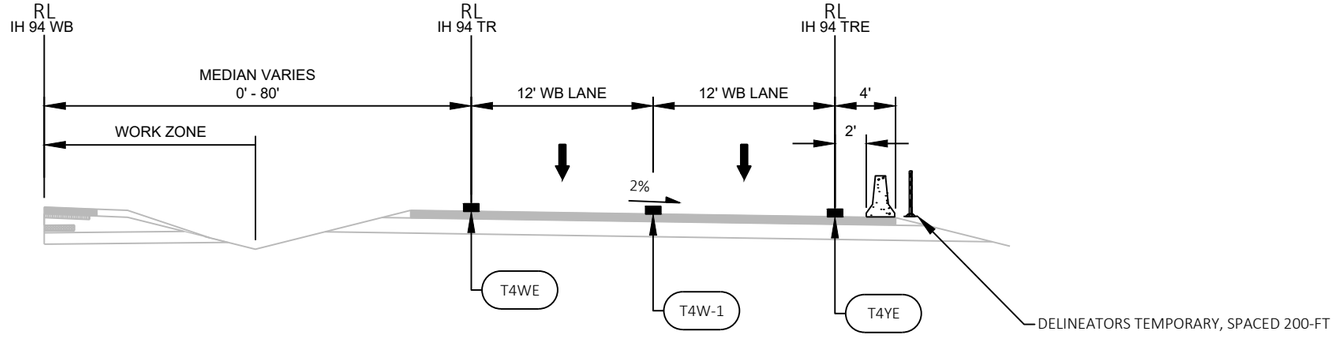


TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 3AP2, 3B, & 3C
STA 87+90 TRE - STA 240+59 TRE

LEGEND

CONCRETE BARRIER TEMPORARY PRECAST

DELINEATORS TEMPORARY



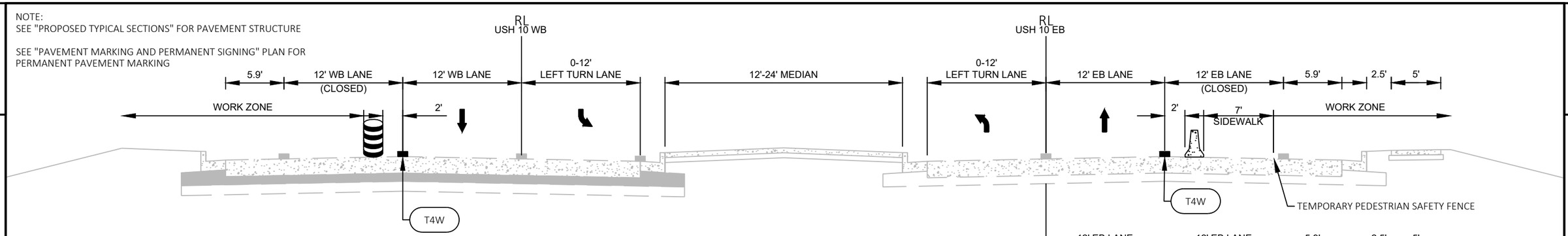
TRAFFIC CONTROL PARTIAL TYPICAL SECTION
IH 94 - STAGE 3CP2, 3B, & 3C
STA 124+78 TRE - STA 154+46 TRE

LEGEND

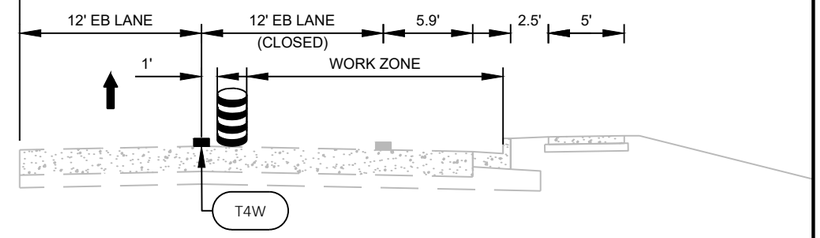
T4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
T4WE	TEMPORARY MARKING LINE EPOXY, 4-INCH (WHITE)
T4YE	TEMPORARY MARKING LINE EPOXY, 4-INCH (YELLOW)
T4W-1	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE - 12.5' LINE, 37.5' SKIP)
R4W-1	MARKING REMOVAL LINE, 4-INCH (WHITE - 12.5' LINE, 37.5' SKIP)

NOTE:
SEE "PROPOSED TYPICAL SECTIONS" FOR PAVEMENT STRUCTURE

SEE "PAVEMENT MARKING AND PERMANENT SIGNING" PLAN FOR PERMANENT PAVEMENT MARKING



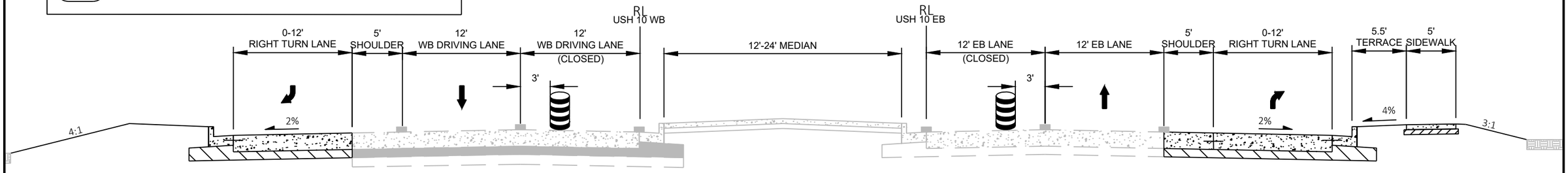
TRAFFIC CONTROL TYPICAL SECTION
USH 10 - STAGE 3B
STA 20+00 E - STA 34+60 E
STA 27-00 W - STA 39+00 W



TRAFFIC CONTROL PARTIAL TYPICAL SECTION
USH 10 - STAGE 3B
STA 27+44 E - STA 34+60 E

LEGEND

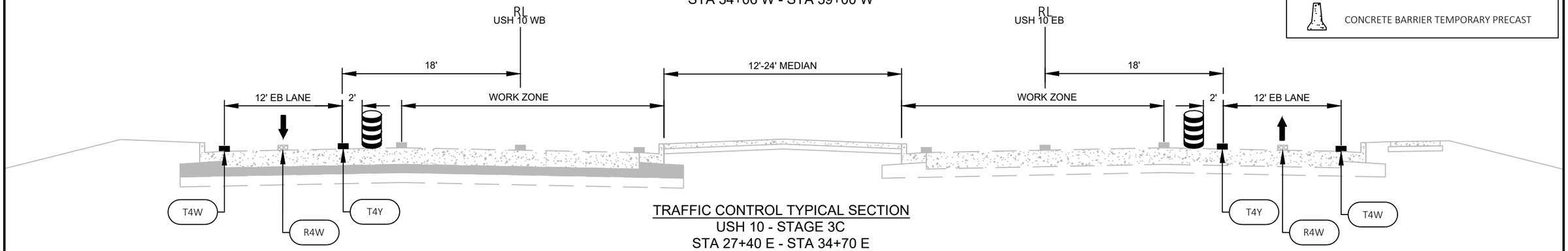
T4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
R4W	MARKING REMOVAL LINE, 4-INCH (WHITE)



TRAFFIC CONTROL TYPICAL SECTION
USH 10 - STAGE 3C
STA 23+76 E - STA 27+40 E
STA 34+06 W - STA 39+00 W

LEGEND

	TRAFFIC CONTROL DRUMS
	CONCRETE BARRIER TEMPORARY PRECAST



TRAFFIC CONTROL TYPICAL SECTION
USH 10 - STAGE 3C
STA 27+40 E - STA 34+70 E
STA 27+05 W - STA 34+06 W

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3 TYPICAL SECTION	SHEET 191	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3 OV.DWG
LAYOUT NAME - 07 Stg 3 TYP
PLOT DATE : 4/20/2021 9:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

CTH NN

HO

HO

N. FORK BUFFALO RIVER

B-61-218
EXISTING TO REMAIN

RIPRAP

RIPRAP

RIPRAP

RIPRAP

RIPRAP

B-61-217
EXISTING TO REMAIN

35+00WB

40+00WB

45+00WB

IH 94 WB

45+00TRE

50'

IH 94 TEMP ROAD

WORK ZONE (TYP.)

35+00EB

40+00EB

45+00EB

IH 94 EB

25'

MATCH LINE STA. 49+00.00 EB

LEFT SHOULDER CLOSED
W21-5aL

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

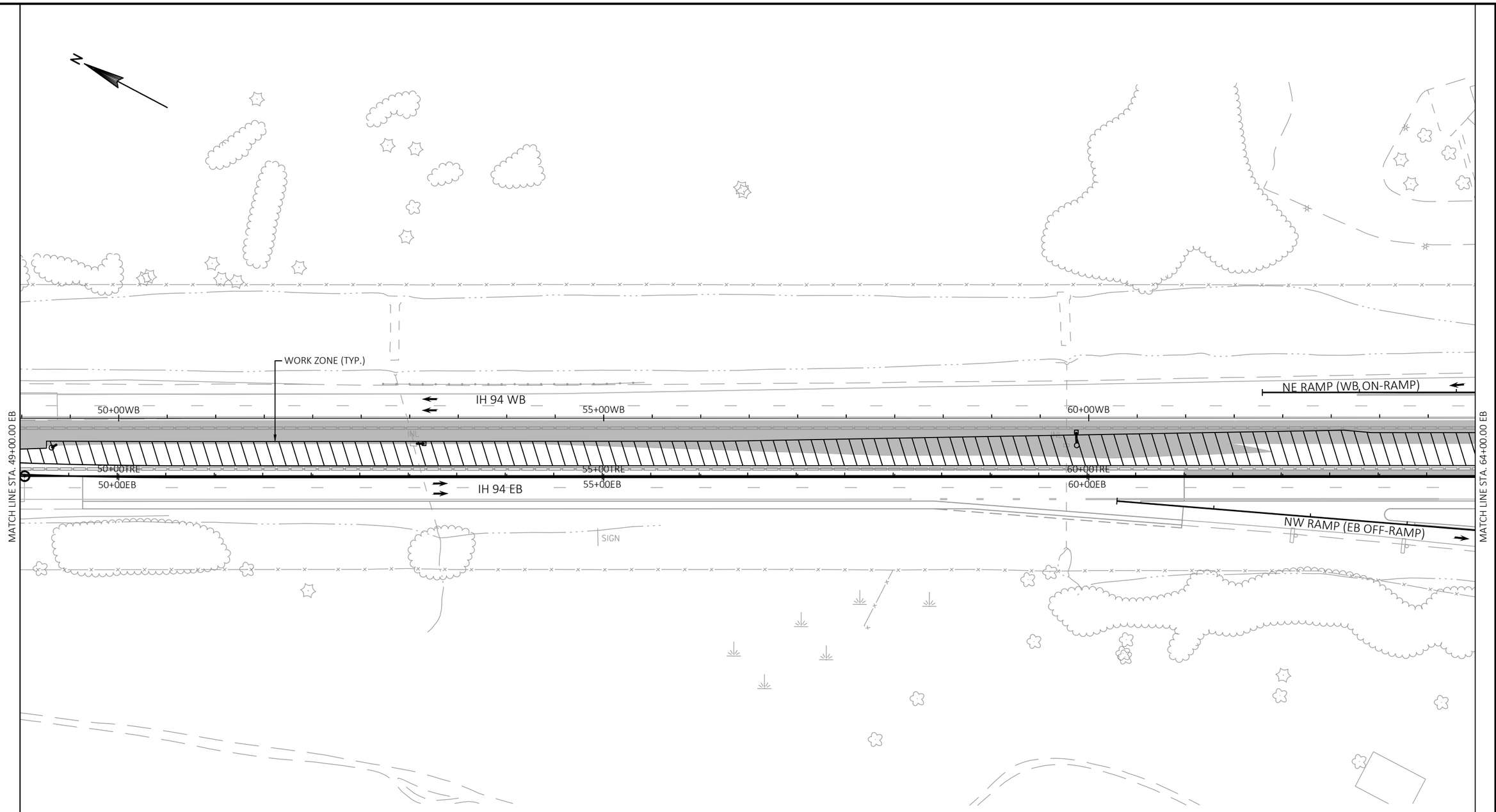
SIGN

SEE S.D.D "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H." FOR ADDITIONAL SIGNING AND DETAILS NOT SHOWN ON PLAN

SEE "TRAFFIC CONTROL - ADVANCED WARNING" FOR ADVANCED WARNING SIGNS

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP1 (3AP1-1)	SHEET 192	E

2



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP1 (3AP1-2)	SHEET 193	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A.DWG
LAYOUT NAME - 49+00 - 64+00

PLOT DATE : 4/20/2021 9:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

2

EXISTING SIGN TO REMAIN

NO PARKING ON RAMP
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

EXISTING SIGN TO REMAIN

PEDESTRIANS
BICYCLES
NON-MOTORIZED TRAFFIC
MOTOR BICYCLES
PROHIBITED

SHOULDER WORK
W21-5

WORK ZONE (TYP.)

EXISTING SIGN TO REMAIN

NE RAMP (WB ON-RAMP)

105+00NE

110+00NE

115+00NE

SE-RAMP (WB OFF-RAMP)

50'

50'

100'

65+00WB

70+00WB

75+00WB

IH 94 WB

65+00TRE

65+00EB

70+00TRE

70+00EB

75+00TRE

75+00EB

IH 94 EB

B-61-156

65+00NW

NW RAMP (EB OFF-RAMP)

70+00NW

80+00SW

SW RAMP (EB ON-RAMP)

USH 10 WB

USH 10 EB

RIPRAP

SIGN

INL

MH

OH

SLAB

I.T.S. CAMERA

SIG. CAB.

PLAN OBSTRUCTED BY TREE

FLAG

W

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

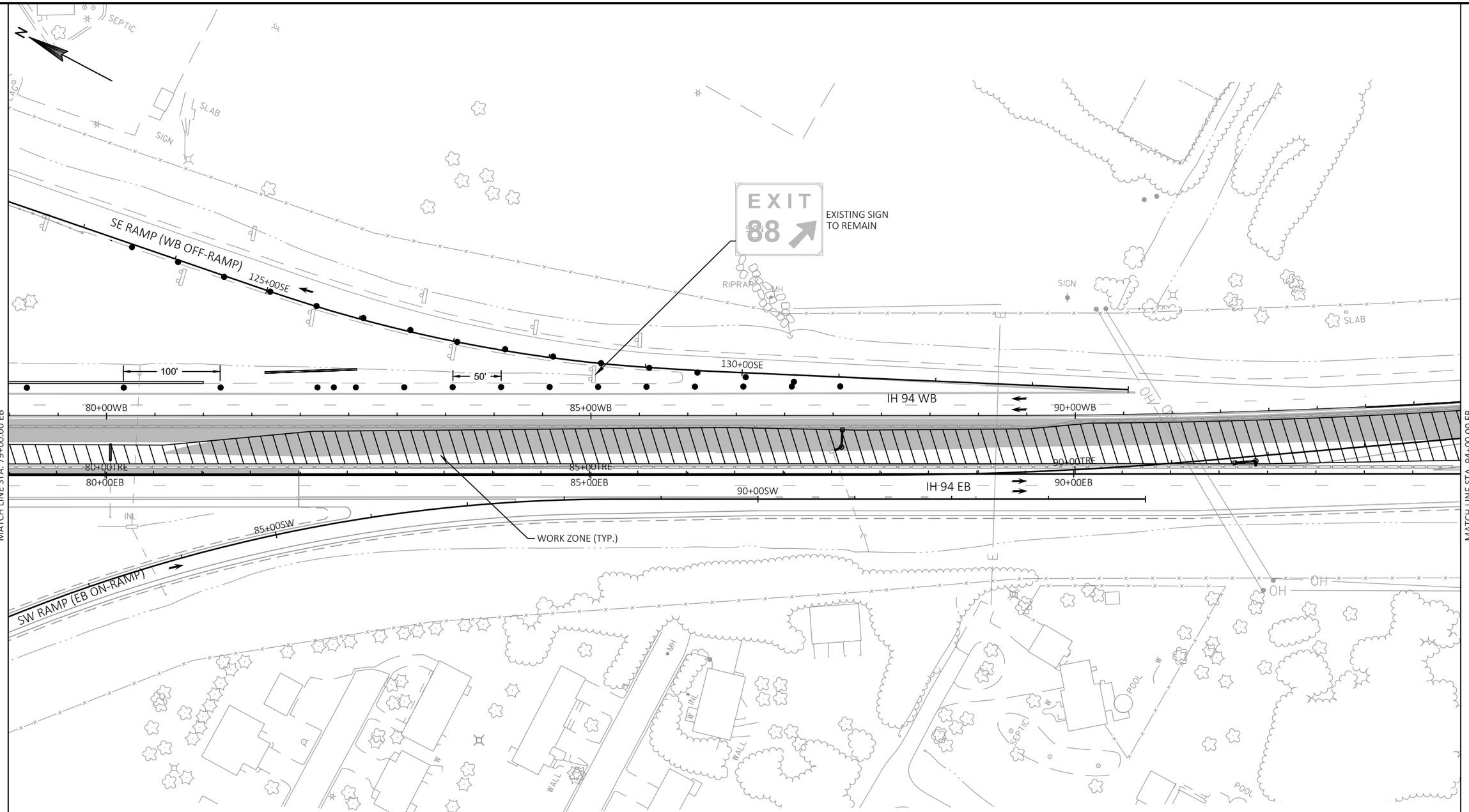
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP1 (3AP1-3)	SHEET 194	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A.DWG
LAYOUT NAME - 64+00 - 79+00

PLOT DATE : 4/20/2021 9:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

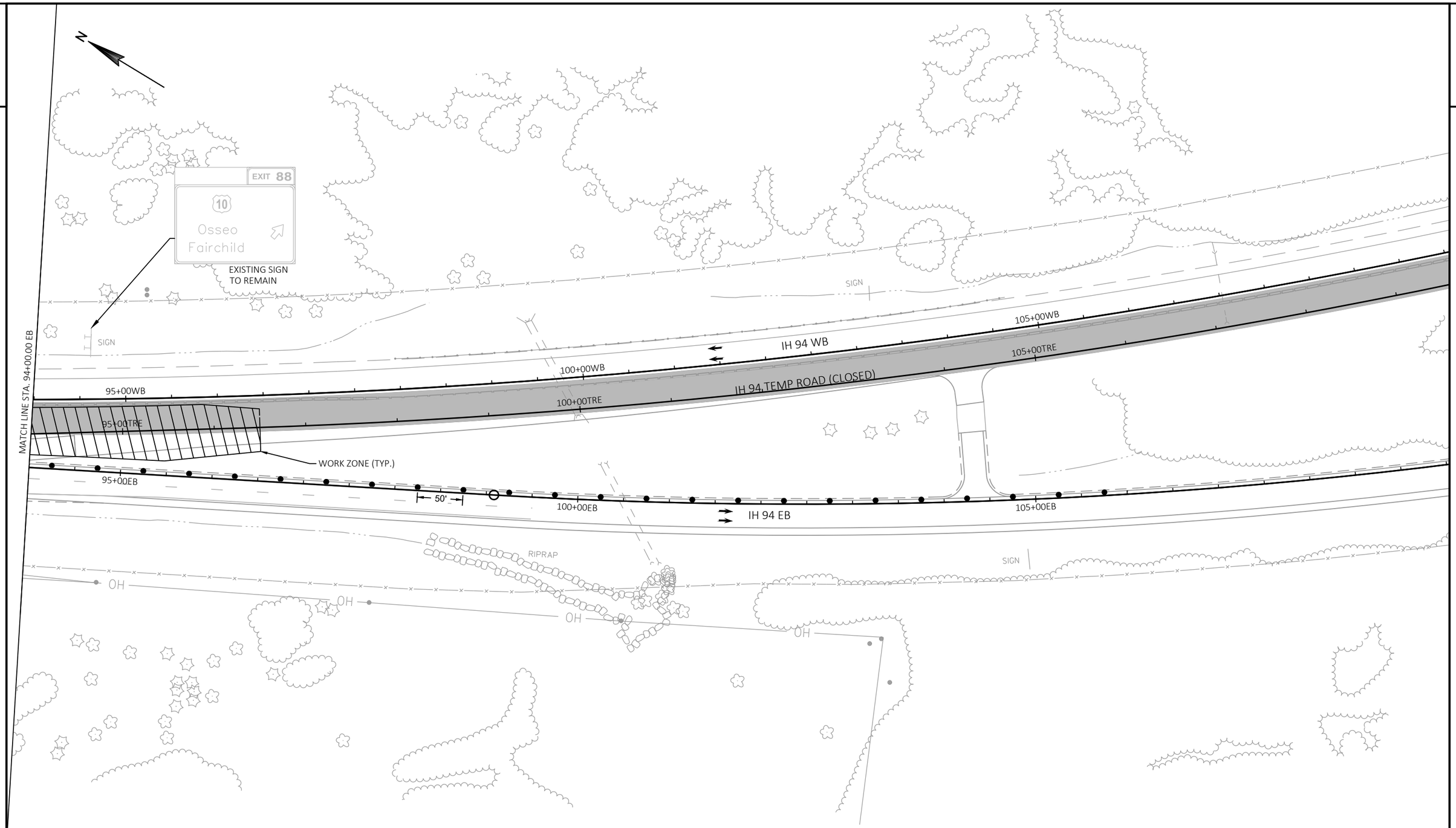


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP1 (3AP1-4)	SHEET 195	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A.DWG
LAYOUT NAME - 79+00 - 94+00

PLOT DATE : 4/20/2021 9:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2



STA 124+00EB TO END OF PROJECT SEE
STAGE 3AP1 TYPICAL SECTION

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP1 (3AP1-5)	SHEET 196	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A.DWG
LAYOUT NAME - 94+00 - 124+00

PLOT DATE : 4/20/2021 9:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

2

N

SIGN

IH 94 WB

20+00WB

25+00WB

30+00WB

20+00EB

IH 94 EB

25+00EB

30+00EB

SIGN

WO1-4BR

MATCH LINE STA. 34+00.00 EB

N

CTH NN

HO

N. FORK BUFFALO RIVER

T8WE

T4WE

STA. 40+00WB, 24' LT

R4Y

R4W

B-61-218
EXISTING TO REMAIN

RIPRAP

T4YE

50'

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

WO1-6
48"X24"

T4Y

35+00WB

40+00WB

IH 94 WB

45+00WB

45+00WE

IH 94 TEMP ROAD

12'

12'

STA. 40+00WB, 12' LT
END TEMPORARY RAISED PAVEMENT
MARKERS, TYPE II (50-FT SPACING)

STA. 40+00WB, 0'

50'

50'

STA. 42+50EB, 12' RT

STA. 44+50EB, 0'

35+00EB

IH 94 EB

40+00EB

45+00EB

200'

12'

12'

T8W

T4W

B-61-217
EXISTING TO REMAIN

RIPRAP

RIPRAP

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 40+92EB, 3' LT

STAY IN LANE
R4-9
24"X30"

ROAD CLOSED
R11-2
48"X30"

240' SHIFTING TAPER
(60 MPH)

STA. 44+50EB, 12' RT

STA. 44+50EB, 24' RT

ROAD CLOSED
R11-2
48"X30"

STA. 47+00EB, 8' RT

STA. 47+00EB, 19' RT

STA. 47+00EB, 31' RT

MATCH LINE STA. 49+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP2 (3AP2-1)	SHEET 197	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A2.DWG
LAYOUT NAME - 20+00 - 49+00

PLOT DATE : 4/20/2021 9:37 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 49+00.00 EB

MATCH LINE STA. 64+00.00 EB

720' TAPER

500'
ACCELERATION LANE

MOVING
SIGNS TYPE II

MOVING
SIGNS TYPE II

T4WE

T8WE

T4YE

T4W

T8W-2

STA. 53+53TRE, 24' LT

STA. 60+73TRE, 36' LT

WO1-4BR

NE RAMP (WB ON-RAMP) (CLOSED)

STA. 62+58TRE, 36' LT

IH 94 WB (CLOSED)

50+00WB

55+00WB

60+00WB

12'

12'

12'

INL

NEA TEMP RAMP

IH 94 TEMP ROAD

50+00TRE

55+00TRE

60+00TRE

IH 94 EB

50+00EB

55+00EB

60+00EB

12'

12'

200'

SIGN

NW RAMP (EB OFF-RAMP)

T4W-1

T4W

T4WE-1

T4W-2

T8W

T4W

T4Y

STAY
IN
LANE
R4-9
24"X30"

STA. 50+59TRE, 12' LT
BEGIN TEMPORARY RAISED PAVEMENT
MARKERS, TYPE II (50-FT SPACING)

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP2 (3AP2-2)	SHEET 198	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A2.DWG
LAYOUT NAME - 49+00 - 64+00
PLOT DATE : 4/20/2021 9:38 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

EXISTING SIGN TO REMAIN

NO PARKING ON RAMP
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

PEDESTRIANS
BICYCLES
NON MOTORIZED TRAFFIC
MOTOR BICYCLES
PROHIBITED

EXISTING SIGN TO REMAIN

WO1-6
48"X24"

STA. 710+99NEA, 0' LT

STA. 708+85NEA, 19' LT

ROAD CLOSED
R11-2
48"X30"

WO3-2

25'

710+00NEA

115+00NE

SE RAMP (WB OFF-RAMP)

140+00NE

R4Y

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 704+18NEA, 18' LT

YIELD

R1-2
48"X42"

STA. 705+33NEA, 19' LT

ROAD CLOSED
R11-2
48"X30"

STA. 705+82NEA, 3' RT

NE RAMP (WB ON-RAMP) (CLOSED)

50'

STA. 708+42NEA, 15' LT

STA. 708+42NEA, 0'

500'
ACCELERATION LANE

T8W

NEA TEMP RAMP

T4Y

15'

ROAD CLOSED
R11-2
48"X30"

WO4-1R

T8W-2

T4W

105+00NE

705+00NEA

65+00WB

70+00WB

75+00WB

IH 94 WB (CLOSED)

12'

STA. 704+75NEA, 3' RT

T4WE-1

T4WE

IH 94 TEMP ROAD

65+00TRE

70+00TRE

75+00TRE

65+00EB

70+00EB

75+00EB

IH 94 EB

STA. 702+77NEA, 15' LT

STA. 702+77NEA, 0'

STA. 703+77NEA, 0'

STA. 66+78TRE, 24' LT

200'

65+00NW

T4W-1

T4YE

B-61-156

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 69+09EB, 34' RT

T4W

T4Y

STA. 701+77NEA, 12' LT

NW RAMP (EB OFF-RAMP)

70+00NW

USH 10 WB

USH 10 EB

80+00SW

SW RAMP (EB ON-RAMP)

PLAN OBSTRUCTED BY TREE

RIPRAP

SIGN

OH

INL

MH

SLAB

ITS CAMERA

SIG. CAB.

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

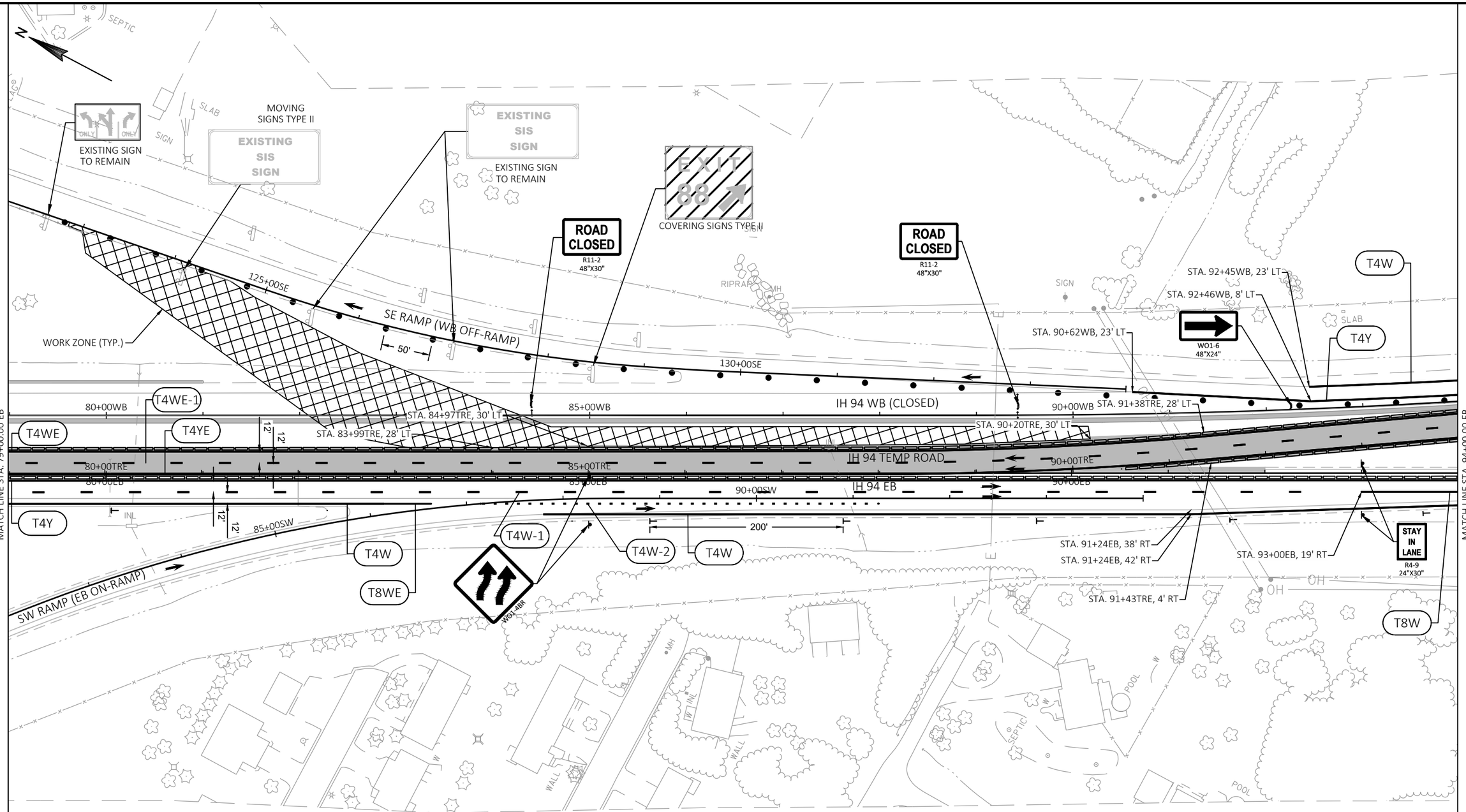
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP2 (3AP2-3)	SHEET 199	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A2.DWG
LAYOUT NAME - 64+00 - 79+00

PLOT DATE : 4/20/2021 9:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP2 (3AP2-4)	SHEET 200	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A2.DWG
LAYOUT NAME - 79+00 - 94+00

PLOT DATE : 4/20/2021 9:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N

EXIT 88

Osseo Fairchild

COVERING SIGNS TYPE II

MOVING SIGNS TYPE II

EXIT 88

EXISTING SIS SIGN

EXISTING SIGN TO REMAIN

720' TAPER

MOVING SIGNS TYPE II

MILE 80

T4W

T4Y

T4WE-1

T4WE

T4W-2

T4WE

T8W

15'

MATCH LINE STA. 94+00.00 EB

95+00WB

SE RAMP (WB OFF-RAMP)

95+00TRE

STA. 98+00WB, 15' LT

STA. 98+00WB, 0' LT

WO1-6
48"X24"

STA. 101+79WB, 7' RT

STA. 102+86TRE, 24' LT

100+00WB

100+00TRE

105+00WB

105+00TRE

IH 94 WB (CLOSED)

IH 94 TEMP ROAD

S3-01

EXIT 88

10

Osseo Fairchild

PAID FOR AS "TRAFFIC CONTROL SIGNS FIXED MESSAGE"
SEE "FIXED MESSAGE SIGN PORTABLE SUPPORT" DETAIL

STA. 105+54TRE, 24' LT

200'

12'

12'

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE STAGE 3AP2
STA. 100+97TRE, 27' LT

MOVING SIGNS TYPE II

STA. 96+50TRE, 12' LT

STA. 96+50TRE, 4' RT

STA. 99+50EB, 12' RT

T4YE

95+00EB

100+00EB

105+00EB

IH 94 EB

12'

12'

T4W

T4Y

T8W

STA. 95+00EB, 7' RT

STA. 95+00EB, 19' RT

STA. 95+00EB, 31' RT

240' SHIFTING TAPER
(60 MPH)

STA. 97+40EB, 0' RT

STA. 97+40EB, 12' RT

STA. 97+40EB, 24' RT

STA. 94+54EB, 31' RT

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 103+89TRE, 3' RT

SIGN

OH

OH

MATCH LINE STA. 109+00.00 EB

MATCH LINE STA. 109+00.00 EB

N

T4WE

110+00WB

110+00TRE

115+00WB

115+00TRE

IH 94 WB (CLOSED)

IH 94 TEMP ROAD

120+00WB

120+00TRE

12'

12'

200'

T4YE

EXIT
45
MPH

WO13-2
48"X60"

MATCH LINE STA. 124+00.00 EB

110+00EB

115+00EB

120+00EB

IH 94 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP2 (3AP2-5)	SHEET 201	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A2.DWG
LAYOUT NAME - 94+00 - 124+00

PLOT DATE : 4/20/2021 9:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

HOSPITAL EXIT 88

SIGN

EXISTING SIGN TO REMAIN

IH 94 WB (CLOSED)

125+00WB

130+00WB

135+00WB

T4WE

125+00TRE

130+00TRE

IH 94 TEMP ROAD

135+00TRE

T4YE

200'

12'

12'

SPEED LIMIT 60

R2-1
24"X30"

TEMPORARY EMERGENCY PULLOUT REQUIRED
SEE S.D.D. "TEMPORARY EMERGENCY PULLOUTS"
FOR ADDITIONAL SIGNS AND DETAILS NOT SHOWN

EMERGENCY PARKING 2 HR MAX

R8-54
48"X36"

EXISTING SIS SIGN

EXISTING SIGN TO REMAIN

MATCH LINE STA. 124+00.00 EB

MATCH LINE STA. 139+00.00 EB

125+00EB

130+00EB

IH 94 EB

135+00EB

2

SIGN

SIGN

IH 94 WB (CLOSED)

140+00WB

145+00WB

150+00WB

T4WE

STA. 138+87WB, 75' RT

IH 94 TEMP ROAD

140+00TRE

145+00TRE

150+00TRE

12'

12'

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 146+92TRE, 3' RT

200'

EMERGENCY PARKING 1/4 MILE

R8-53
48"X36"

T4YE

COVERING SIGNS TYPE II

EXIT 88

(10)

0 MILES

EXIT ONLY

1/4 MILE

NEXT EXIT 5 MILES

MATCH LINE STA. 139+00.00 EB

MATCH LINE STA. 154+00.00 EB

140+00EB

145+00EB

IH 94 EB

150+00EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP2 (3AP2-6)	SHEET 202	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A2.DWG
LAYOUT NAME - 124+00 - 154+00

PLOT DATE : 4/20/2021 9:39 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

155+00WB
155+00TRE
160+00WB
160+00TRE
200'
12'
12'
IH 94 WB (CLOSED)
165+00WB
IH 94 TEMP ROAD
165+00TRE
T4WE
T4YE
N
MILE 90
MOVING SIGNS TYPE II
S3-02
EXIT 88
10
Osseo
Fairchild
1 MILE
W01-4BL
PAID FOR AS "TRAFFIC CONTROL SIGNS FIXED MESSAGE"
SEE "FIXED MESSAGE SIGN PORTABLE SUPPORT" FOR DETAIL
HO
HO
HO
MATCH LINE STA. 154+00.00 EB
MATCH LINE STA. 169+00.00 EB
155+00EB
160+00EB
IH 94 EB
165+00EB

2

170+00WB
170+00TRE
175+00WB
175+00TRE
T4WE
IH 94 WB (CLOSED)
180+00WB
IH 94 TEMP ROAD
180+00TRE
T4YE
12'
12'
200'
N
MATCH LINE STA. 169+00.00 EB
MATCH LINE STA. 184+00.00 EB
170+00EB
175+00EB
IH 94 EB
180+00EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP2 (3AP2-7)	SHEET 203	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A2.DWG
LAYOUT NAME - 154+00 - 184+00
PLOT DATE : 4/20/2021 9:39 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

T4WE

185+00WB

190+00WB

IH 94 WB (CLOSED)

195+00WB

185+00TRE

190+00TRE

IH 94 TEMP ROAD

195+00TRE

200'

12'

12'

T4YE

N

TEMPORARY EMERGENCY PULLOUT REQUIRED
SEE S.D.D. "TEMPORARY EMERGENCY PULLOUTS"
FOR ADDITIONAL SIGNS AND DETAILS NOT SHOWN

EMERGENCY
PARKING
2 HR MAX

R8-54
48"X36"

MATCH LINE STA. 184+00.00 EB

MATCH LINE STA. 199+00.00 EB

185+00EB

190+00EB

IH 94 EB

195+00EB

2

T4WE

200+00WB

205+00WB

IH 94 WB (CLOSED)

210+00WB

200+00TRE

205+00TRE

IH 94 TEMP ROAD

210+00TRE

200'

12'

12'

T4YE

N

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 203+31TRE, 3' RT

EMERGENCY
PARKING
1/4 MILE

R8-53
48"X36"

MILE
9
1

MOVING
SIGNS TYPE II

LEFT
SHOULDER
CLOSED
AHEAD

W21-58L

MATCH LINE STA. 199+00.00 EB

MATCH LINE STA. 214+00.00 EB

200+00EB

IH 94 EB

205+00EB

210+00EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP2 (3AP2-8)	SHEET 204	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A2.DWG
LAYOUT NAME - 184+00 - 214+00

PLOT DATE : 4/20/2021 9:39 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

MATCH LINE STA. 214+00.00 EB

T4WE

IH 94 WB (CLOSED)

215+00WB

220+00WB

225+00WB

215+00TRE

IH 94 TEMP ROAD

220+00TRE

225+00TRE

IH 94 WB WIDENING

12'

12'

50'

200'

T4YE

T4WE-1

N

ROAD CLOSED
R11-2
48"X30"

LEFT SHOULDER CLOSED
W21-5aL

5 DRUMS SPACED @ 10-FT INTERVALS

100'

215+00EB

220+00EB

225+00EB

IH 94 EB

SIGN

MOVING SIGNS TYPE II

Trempealeau Co

SIGN

SIGN

2

MATCH LINE STA. 229+00.00 EB

WO5-52R
12"X36"

STA. 232+56WB, 0'

ROAD CLOSED
R11-2
48"X30"

WO1-6
48"X24"

T8WE

STAY IN LANE
R4-9
24"X30"

B-27-36
EXISTING TO REMAIN

EXISTING SIGN TO REMAIN

50'

IH 94 WB

T4WE

230+00WB

235+00WB

235+00TRE

240+00WB

230+00TRE

IH 94 TEMP ROAD

12'

12'

50'

T4YE

T4WE-1

STA. 230+00WB, 0'

STA. 232+36WB, 13' RT
END TEMPORARY RAISED PAVEMENT
MARKERS, TYPE II (50-FT SPACING)

STA. 232+37WB, 25' RT

N

STA. 240+50WB, 24' LT

STA. 240+50WB, 12' LT
BEGIN TEMPORARY RAISED PAVEMENT
MARKERS, TYPE II (50-FT SPACING)

STA. 240+50WB, 0' LT

EXISTING SIGN TO REMAIN

WO1-4BL

PLACE 2 SIGNS AT STA
255+00WB LT & RT

EXISTING SIGN TO REMAIN

100'

XXXX

235+00EB

240+00EB

230+00EB

IH 94 EB

B-27-35
EXISTING TO REMAIN

EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3AP2 (3AP2-9)	SHEET 205	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3A2.DWG
LAYOUT NAME - 214+00 - END

PLOT DATE : 4/20/2021 9:40 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

CTH NN

HO

N. FORK BUFFALO RIVER

B-61-218
EXISTING TO REMAIN

RIPRAP

IH 94 WB

35+00WB

40+00WB

45+00WB

50'

IH 94 EB

35+00EB

40+00EB

45+00EB

45+00TRE

IH 94 TEMP ROAD

12'

B-61-217
EXISTING TO REMAIN

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 40+92EB, 3' LT

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

STAY IN LANE
R4-9
24"X30"

240' SHIFTING TAPER
(60 MPH)

WO1-48R

SEE "TRAFFIC CONTROL - ADVANCED WARNING"
FOR ADVANCED WARNING SIGNS

MATCH LINE STA. 49+00.00 EB

2

720' TAPER

500'
ACCELERATION LANE

MOVING
SIGNS TYPE II

WEST
INTERSTATE
94

MILE
8
8

WORK ZONE (TYP.)

50+00WB

55+00WB

60+00WB

IH 94 WB (CLOSED)

NE RAMP (WB ON-RAMP) (CLOSED)

NEA TEMP RAMP

IH 94 TEMP ROAD

50+00TRE

55+00TRE

60+00TRE

50+00EB

55+00EB

60+00EB

IH 94 EB

200'

NW RAMP (EB OFF-RAMP)

SIGN

MATCH LINE STA. 64+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3B (3B-1)	SHEET 206	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3B.DWG
LAYOUT NAME - 20+00 - 64+00

PLOT DATE : 4/20/2021 9:42 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

N

FLAG

W

SIGN

INL

RIPRAP

YIELD

R1-2
48"X42"

500'
ACCELERATION LANE

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 704+18NEA, 18' LT

ROAD CLOSED
R11-2
48"X30"

WORK ZONE (TYP.)

WO3-2

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

EXISTING SIGN
TO REMAIN

NO PARKING
ON RAMP
EXCEPT MAINTENANCE
AND POLICE AUTHORIZED
VEHICLES

PEDESTRIANS
BICYCLES
NON-MOTORIZED TRAFFIC
MOTOR BICYCLES
PROHIBITED

EXISTING SIGN
TO REMAIN

115+00NE

SE RAMP
(WB OFF-RAMP)

50'

LANE CLOSED
R11-2L
48"X30"

EXISTING SIGN
TO REMAIN

WRONG WAY

COVERING
SIGNS TYPE II

110+00NE

105+00NE

NE RAMP (WB ON-RAMP) (CLOSED)

NEA TEMP RAMP

705+00NEA

710+00NEA

25'

50'

15'

WO4-1R

65+00WB

70+00WB

75+00WB

IH 94 WB (CLOSED)

IH 94 TEMP ROAD

IH 94 EB

12'

65+00TRE

65+00EB

70+00TRE

70+00EB

75+00TRE

75+00EB

B-61-156

200'

65+00NW

LANE CLOSED
R11-2L
48"X30"

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 69+09EB, 35' RT

COVERING
SIGNS TYPE II

T4Y

NW RAMP (EB OFF-RAMP)

70+00NW

50'

PLAN
OBSTRUCTED
BY TREE

SIGN

OH

MH

USH 10 WB

USH 10 EB

SLAB

I'TS
CAMERA

80+00SW

SW RAMP (EB ON-RAMP)

WO4-1R

SEE SHEET 3B-3 FOR ADDITIONAL TRAFFIC
CONTROL PLANS ON USH 10

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3B (3B-2)	SHEET 207	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3B.DWG
LAYOUT NAME - 64+00 - 79+00

PLOT DATE : 9/30/2021 4:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

SEE "TRAFFIC CONTROL - STAGE 3B" FOR ADDITIONAL TRAFFIC CONTROL PLANS

SEE S.D.D "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY / EXPRESSWAY" & "TRAFFIC CONTROL. INTERSECTION WITHIN SINGLE LANE CLOSURE" FOR ADDITIONAL SIGNING AND DETAILS NOT SHOWN ON PLAN

N

RADCLIFF STREET

USH 10 WB

USH 10 EB

T4W

TEMPORARY PEDESTRIAN BARRICADE REQUIRED

STA. 20+00E, 12' RT

MOVING SIGNS TYPE II

WRONG WAY

TEMPORARY SIGNAL REQ'D - SEE "TEMPORARY TRAFFIC SIGNAL PLANS" FOR ADDITIONAL DETAILS.

STA. 72+48NW, 12' RT

STA. 27+44E, 15' RT

STA. 27+36E, 12' RT

STA. 27+44E, 21' RT

NW RAMP (EB OFF-RAMP)

IH 94 EB

IH 94 TEMP ROAD

IH 94 WB (CLOSED)

STA. 27+00W, 12' LT

BEGIN LEFT TURN LANE
R3-20L
24"X36"

25+00W

25+00E

30+00E

75+00EB

75+00WB

MATCH LINE STA. 33+00.00 E

STA. 32+90E, 0' LT

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

LANE CLOSED
R11-2L
48"X30"

WO5-52R
12"X36"

SIDEWALK CLOSED
R9-9
24"X12"

WO1-6
48"X24"

B-61-156

TEMPORARY PEDESTRIAN SURFACE PLYWOOD & TEMPORARY CURB RAMP REQ'D

WORK ZONE (TYP.)

STA. 28+50E, 12' RT

STA. 28+20E, 44' RT

STA. 28+16E, 49' RT

SW RAMP (EB ON-RAMP)

EAST INTERSTATE 94 COUNTY R

MOVING SIGNS TYPE II

DO NOT ENTER

MOVING SIGNS TYPE II

TEMPORARY CURB RAMP REQ'D

NE RAMP (WB ON-RAMP)

WORK ZONE (TYP.)

WEST INTERSTATE 94

DO NOT ENTER

MOVING SIGNS TYPE II

STA. 33+28W, 39' LT

STA. 33+00W, 12' LT

STA. 35+50W, 24' LT

STA. 35+50W, 12' LT

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

LANE CLOSED
R11-2L
48"X30"

5 DRUMS SPACED @ 10-FT INTERVALS

MERGE TAPER (320-FT)

USH 10 WB

USH 10 EB

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

MATCH LINE STA. 33+00.00 E

STA. 36+49W, 12' LT

35+00W

35+00E

40+00W

HILLTOP RD

STA. 42+04W, 24' LT

STA. 39+00W, 12' LT

OAK GROVE RD

T4W

R4W-1

STA. 34+08W, 12' LT

STA. 33+40E, 12' LT

STA. 34+60E, 12' RT

PROPOSED SIGNAL - SEE "TRAFFIC SIGNAL PLANS" FOR ADDITIONAL DETAILS

STA. 35+46E, 53' RT

SE RAMP (WB OFF-RAMP)

Osseo
Madison
Eau Claire

MOVING SIGNS TYPE II

R8W

T4W

T4W

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3B (USH 10) (3B-3)	SHEET 208	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3B (USH 10).DWG
LAYOUT NAME - USH 10

PLOT DATE : 4/20/2021 9:43 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

EXISTING SIS SIGN

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

Osseo
Augusta
Fairchild

ROAD CLOSED
R11-2
48"X30"

STA. 98+84SEA, 26' LT

STA. 98+95SEA, 0' RT

R4Y

W01-6
48"X24"

STA. 100+26SEA, 15' LT

STA. 100+39SEA, 19' LT

MOVING SIGNS TYPE II

MOVING SIGNS TYPE II

NO PARKING ON RAMP

MOVING SIGNS TYPE II

RAMP
30
MPH
W13-3
24"X30"

EXIT
88

COVERING SIGNS TYPE II

PAID FOR AS "TRAFFIC CONTROL SIGNS FIXED MESSAGE"
SEE "FIXED MESSAGE SIGN PORTABLE SUPPORT" DETAIL

EXIT 88
10
Osseo
Fairchild

S3-01

100+00SEA

125+00SE

50'

SEA TEMP RAMP

15'

T4Y

285'
DECELERATION LANE

360' TAPER

EXIT
40
MPH
W13-2
24"X30"

STA. 107+72SEA, 10' LT

WORK ZONE (TYP.)

130+00SE

SE RAMP (WB OFF-RAMP) (CLOSED)

STA. 106+37SEA, 12' LT

T4W

IH 94 WB (CLOSED)

80+00WB

85+00WB

90+00WB

110+00SEA

105+00SEA

JH 94 TEMP ROAD

80+00TRE

80+00EB

85+00TRE

85+00EB

90+00TRE

90+00EB

90+00SW

IH 94 EB

12'

12'

12'

85+00SW

T8W

STA. 104+87SEA, 15' LT

200'

STA. 104+87SEA, 0' LT

W01-48R

STA. 91+36WB, 25' RT

STAY IN LANE
R4-9
24"X30"

T8W-2

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3B
STA. 103+97SEA, 4' RT

STA. 107+84SEA, 0' LT

STA. 107+72SEA, 12' LT

STA. 103+95SEA, 4' RT

STA. 83+93EB, 22' LT

SW RAMP (EB ON-RAMP)

EXISTING SIS SIGN

MOVING SIGNS TYPE II

EXIT 88

MOVING SIGNS TYPE II

MATCH LINE STA. 79+00.00 EB

MATCH LINE STA. 94+00.00 EB

2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3B (3B-4)	SHEET 209	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3B.DWG
LAYOUT NAME - 79+00 - 94+00

PLOT DATE : 4/20/2021 9:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

EXIT 38

COVERING SIGNS TYPE I

EXIT 40 MPH

W013-2 48"X60"

EXISTING SIS SIGN

EXISTING SIGN TO REMAIN

MOVING SIGNS TYPE II

MILE 80

SIGN

WORK ZONE (TYP.)

IH 94 WB (CLOSED)

IH 94 TEMP ROAD

95+00WB

95+00TRE

100+00WB

100+00TRE

105+00WB

105+00TRE

200'

T4WE

12'

12'

MOVING SIGNS TYPE II

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

MATCH LINE STA. 94+00.00 EB

MATCH LINE STA. 109+00.00 EB

95+00EB

100+00EB

105+00EB

IH 94 EB

12'

12'

240' SHIFTING TAPER (60 MPH)

RIPRAP

OH

OH

CRASH CUSHIONS TEMPORARY PLACED IN STAGE 3AP2 STA. 103+89TRE, 3' RT

SIGN

N

WORK ZONE (TYP.)

IH 94 WB (CLOSED)

IH 94 TEMP ROAD

110+00WB

110+00TRE

115+00WB

115+00TRE

120+00WB

120+00TRE

200'

12'

12'

MATCH LINE STA. 109+00.00 EB

MATCH LINE STA. 124+00.00 EB

110+00EB

115+00EB

120+00EB

IH 94 EB

AMP

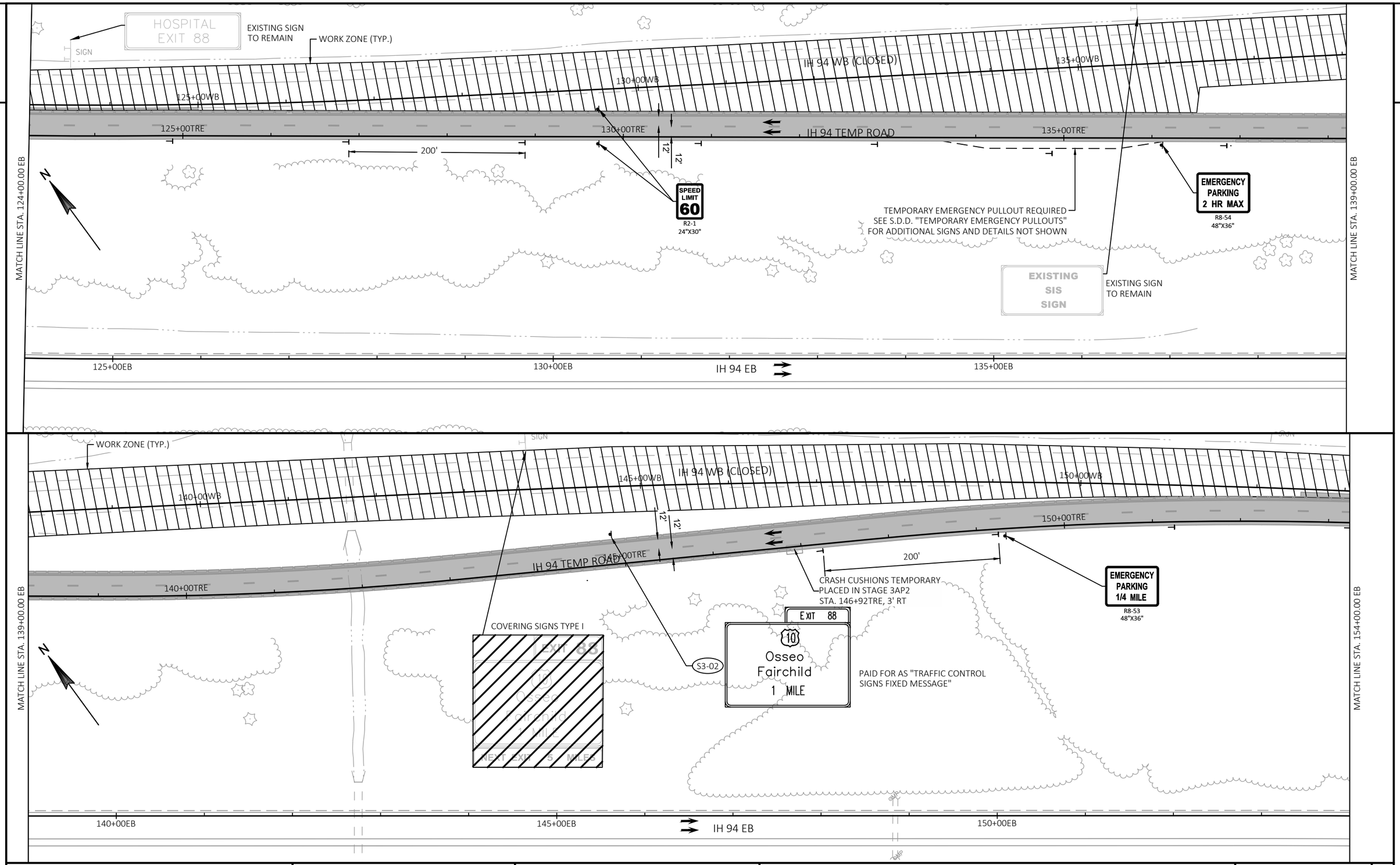
AMP

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3B (3B-5)	SHEET 210	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3B.DWG
LAYOUT NAME - 94+00 - 124+00

PLOT DATE : 4/20/2021 9:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42


HOSPITAL
EXIT 88
SIGN
EXISTING SIGN
TO REMAIN
WORK ZONE (TYP.)
IH 94 WB (CLOSED)
125+00WB
130+00WB
135+00WB
125+00TRE
130+00TRE
135+00TRE
IH 94 TEMP ROAD
200'
12'
12'
SPEED
LIMIT
60
R2-1
24"X30"
TEMPORARY EMERGENCY PULLOUT REQUIRED
SEE S.D.D. "TEMPORARY EMERGENCY PULLOUTS"
FOR ADDITIONAL SIGNS AND DETAILS NOT SHOWN
EMERGENCY
PARKING
2 HR MAX
R8-54
48"X36"
EXISTING
SIS
SIGN
EXISTING SIGN
TO REMAIN
MATCH LINE STA. 124+00.00 EB
MATCH LINE STA. 139+00.00 EB
125+00EB
130+00EB
IH 94 EB
135+00EB
WORK ZONE (TYP.)
SIGN
IH 94 WB (CLOSED)
140+00WB
145+00WB
150+00WB
140+00TRE
145+00TRE
150+00TRE
IH 94 TEMP ROAD
12'
12'
200'
CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 146+92TRE, 3' RT
EMERGENCY
PARKING
1/4 MILE
R8-53
48"X36"
COVERING SIGNS TYPE I
S3-02
EXIT 88
10
Osseo
Fairchild
1 MILE
NEXT EXIT 5 MILES
PAID FOR AS "TRAFFIC CONTROL
SIGNS FIXED MESSAGE"
MATCH LINE STA. 139+00.00 EB
MATCH LINE STA. 154+00.00 EB
140+00EB
145+00EB
IH 94 EB
150+00EB

2

2

155+00WB

155+00TRE

200'

160+00WB

160+00TRE

12'

12'

IH 94 WB (CLOSED)

WORK ZONE (TYP.)

165+00WB

165+00TRE

IH 94 TEMP ROAD

MILE 90

MOVING SIGNS TYPE II

W01-4BL

N

MATCH LINE STA. 154+00.00 EB

MATCH LINE STA. 169+00.00 EB

HO

HO

155+00EB

160+00EB

IH 94 EB

165+00EB

GMP

GMP

GMP

GMP

170+00WB

170+00TRE

175+00WB

175+00TRE

IH 94 WB (CLOSED)

WORK ZONE (TYP.)

180+00WB

180+00TRE

IH 94 TEMP ROAD

200'

12'

12'

N

MATCH LINE STA. 169+00.00 EB

MATCH LINE STA. 184+00.00 EB

GMP

GMP

GMP

170+00EB

175+00EB

IH 94 EB

180+00EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3B (3B-7)	SHEET 212	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3B.DWG
LAYOUT NAME - 154+00 - 184+00

PLOT DATE : 4/20/2021 9:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

WORK ZONE (TYP.)

185+00WB | 190+00WB | IH 94 WB (CLOSED) | 195+00WB

185+00TRE | 190+00TRE | IH 94 TEMP ROAD | 195+00TRE

200'

12'

12'

TEMPORARY EMERGENCY PULLOUT REQUIRED
SEE S.D.D. "TEMPORARY EMERGENCY PULLOUTS"
FOR ADDITIONAL SIGNS AND DETAILS NOT SHOWN

EMERGENCY PARKING 2 HR MAX
R8-54
48"X36"

MATCH LINE STA. 184+00.00 EB

MATCH LINE STA. 199+00.00 EB

185+00EB | 190+00EB | IH 94 EB | 195+00EB

WORK ZONE (TYP.)

200+00WB | 205+00WB | IH 94 WB (CLOSED) | 210+00WB

200+00TRE | 205+00TRE | IH 94 TEMP ROAD | 210+00TRE

200'

12'

12'

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 203+31TRE, 3' RT

EMERGENCY PARKING 1/4 MILE
R8-53
48"X36"

MILE 9 1
MOVING SIGNS TYPE II

LEFT SHOULDER CLOSED AHEAD
W21-5BL

MATCH LINE STA. 199+00.00 EB

MATCH LINE STA. 214+00.00 EB

200+00EB | 205+00EB | IH 94 EB | 210+00EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3B (3B-8)	SHEET 213	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3B.DWG
LAYOUT NAME - 184+00 - 214+00

PLOT DATE : 4/20/2021 9:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

MATCH LINE STA. 214+00.00 EB

WORK ZONE (TYP.)

SIGN

MOVING SIGNS TYPE II

Trempealeau Co

SIGN

IH 94 WB (CLOSED)

215+00WB

220+00WB

X20+00X0

225+00WB

X25+00X0

215+00TRE

IH 94 TEMP ROAD

220+00TRE

225+00TRE

IH 94 WB WIDENING

12'

12'

50'

200'

ROAD CLOSED
R11-2
48"X30"

LEFT SHOULDER CLOSED
W21-5aL

5 DRUMS SPACED @ 10-FT INTERVALS

100'

215+00EB

220+00EB

IH 94 EB

225+00EB

SIGN

MATCH LINE STA. 229+00.00 EB

2

WORK ZONE (TYP.)

WO5-52R
12"X36"

ROAD CLOSED
R11-2
48"X30"

WO1-6
48"X24"

235+00XO

235+00WB

235+00TRE

STAY IN LANE
R4-9
24"X30"

240+00XO

XXXX

240+00TRE

240+00WB

B-27-36
EXISTING TO REMAIN

EXISTING SIGN TO REMAIN

50'

IH 94 WB

230+00WB

X30+00X0

230+00TRE

IH 94 WB WIDENING

12'

12'

50'

EXISTING SIGN TO REMAIN

WO1-4BL

PLACE 2 SIGNS AT STA
255+00WB LT & RT

MATCH LINE STA. 229+00.00 EB

IH 94 TEMP ROAD

ROAD CLOSED
R11-2
48"X30"

EXISTING SIGN TO REMAIN

100'

235+00EB

IH 94 EB

XXXX

240+00EB

230+00EB

B-27-35
EXISTING TO REMAIN

EXISTING SIGN TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3B (3B-9)	SHEET 214	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3B.DWG
LAYOUT NAME - 214+00 - END

PLOT DATE : 4/20/2021 9:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

CTH NN

N. FORK BUFFALO RIVER

B-61-218
EXISTING TO REMAIN

RIPRAP

IH 94 WB

35+00WB

40+00WB

45+00WB

50+00TRE

50'

IH 94 EB

35+00EB

40+00EB

45+00EB

IH 94 TEMP ROAD

B-61-217
EXISTING TO REMAIN

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 40+92EB, 3' LT

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

STAY IN LANE
R4-9
24"X30"

240' SHIFTING TAPER
(60 MPH)

12'

WO1-4BR

SEE "TRAFFIC CONTROL - ADVANCED WARNING"
FOR ADVANCED WARNING SIGNS

MATCH LINE STA. 49+00.00 EB

2

MOVE
EXISTING SIGN

WEST
INTERSTATE
94

MOVE
EXISTING SIGN

MILE
8
8

720' TAPER

YIELD

R1-2
48"X42"

150'
ACCELERATION LANE

T4W

T8WE

T4Y

T8WE-2

NE RAMP (WB ON-RAMP) (CLOSED)

IH 94 WB (CLOSED)

50+00WB

55+00WB

60+00WB

55+00TRE

60+00TRE

65+00TRE

IH 94 TEMP ROAD

IH 94 EB

NE TEMP RAMP

NW RAMP (EB OFF-RAMP)

200'

SIGN

INL

STA. 60+73TRE, 36' LT

STA. 61+57TRE, 24' LT

STA. 62+23TRE, 39' LT

STA. 62+32TRE, 24' LT

STA. 63+32TRE, 24' LT

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3C
STA. 63+53WB, 8' RT

MATCH LINE STA. 64+00.00 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3C (3C-1)	SHEET 215	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3C.DWG
LAYOUT NAME - 20+00 - 64+00
PLOT DATE : 4/20/2021 9:48 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

N

FLAG

W

SIGN

RIPRAP

INL

STA. 64+09WB, 0'

STA. 64+15WB, 14' RT

STA. 64+72WB, 0'

STA. 66+03WB, 48' LT

STA. 67+23WB, 70' LT

STA. 71+08WB, 174' LT

STA. 73+44WB, 266' LT

WO3-2

WO1-6
48"X24"

T4W

T4Y

25'

105+00NE

110+00NE

115+00NE

50'

NE RAMP (WB ON-RAMP)

EXISTING SIGN
TO REMAIN

NO PARKING
ON RAMP
EXCEPT MAINTENANCE
AND POLICE AUTHORIZED
VEHICLES

PEDESTRIANS
BICYCLES
NON-POWERED TRAFFIC
MOTOR BICYCLES
PROHIBITED

EXISTING SIGN
TO REMAIN

ROAD
CLOSED
R11-2
48"X30"

SE RAMP
(WB OFF-RAMP)

LANE
CLOSED
R11-2L
48"X30"

EXISTING SIGN
TO REMAIN

WRONG
WAY

COVERING
SIGNS TYPE II

WORK ZONE (TYP.)

ITS
CAMERA

SIG.
CAB.

MH

SLAB

65+00WB

70+00WB

75+00WB

IH 94 WB (CLOSED)

12'

12'

IH 94 TEMP ROAD

65+00EB

65+00TRE

/0+00TRE

70+00EB

70+00TRE

/5+00TRE

75+00EB

75+00TRE

80+00TRE

IH 94 EB

T4WE

85+00NW

ROAD
CLOSED
R11-2
48"X30"

LANE
CLOSED
R11-2L
48"X30"

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 69+09EB, 34' RT

COVERING
SIGNS TYPE II

WO4-1R

B-61-156

200'

STA. 66+07WB, 33' LT

STA. 66+40WB, 41' LT

NW RAMP (EB OFF-RAMP)

70+00NW

50'

USH 10 WB

USH 10 EB

80+00SW

SW RAMP (EB ON-RAMP)

PLAN
OBSTRUCTED
BY TREE

SEE SHEET 3B-3 FOR ADDITIONAL TRAFFIC
CONTROL PLANS ON USH 10

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3C (3C-2)	SHEET 216	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3C.DWG
LAYOUT NAME - 64+00 - 79+00

PLOT DATE : 9/30/2021 4:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

SEE "TRAFFIC CONTROL - STAGE 3C" FOR ADDITIONAL TRAFFIC CONTROL PLANS

SEE S.D.D "TRAFFIC CONTROL, SIGNLE LANE CLOSURE, NON-FREEWAY / EXPRESSWAY" & "TRAFFIC CONTROL. INTERSECTION WITHIN SINGLE LANE CLOSURE" FOR ADDITIONAL SIGNING AND DETAILS NOT SHOWN ON PLAN

N

RADCLIFF STREET

USH 10 WB

USH 10 EB

5 DRUMS SPACED @ 10-FT INTERVALS

LANE CLOSED
R11-2L
48"X30"

STA. 20+50E, 0'

STA. 23+80E, 12' RT

R4W-1

T4Y

25+00E

25'

MERGE TAPER (320-FT)

STA. 20+00E, 12' RT

STA. 27+36E, 12' RT

NW RAMP (EB OFF-RAMP)

50'

12'

RIPRAP

T4Y

T8W

WORK ZONE (TYP.)

STA. 28+50W, 30' LT

STA. 28+50W, 18' LT

BEGIN LEFT TURN LANE
R3-20L
24"X36"

STA. 28+32W, 12' LT

STA. 27+74W, 14' LT

STA. 27+30W, 24' LT

R4W-1

IH 94 EB

IH 94 TEMP ROAD

IH 94 WB (CLOSED)

R4W

T4W

T4Y

MERGE TAPER (80-FT)

12'

T4Y

30+00E

25'

STA. 30+20E, 18' RT

STA. 30+20E, 30' RT

LANE CLOSED
R11-2L
48"X30"

R4W

STA. 29+11E, 24' RT

STA. 29+03E, 24' RT

B-61-156

WO1-6
48"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

STA. 32+90E, 18' RT

MATCH LINE STA. 33+00.00 E

STA. 26+53W, 12' LT

STA. 27+07W, 0'

R8W

T4W

T4Y

STA. 28+50E, 7' LT

STA. 27+10W, 12' RT

STA. 28+63E, 12' RT

STA. 28+63E, 24' RT

SW RAMP (EB ON-RAMP)

N

R4W

T4W

NE RAMP (WB ON-RAMP)

LANE CLOSED
R11-2L
48"X30"

STA. 33+73E, 0' RT

WO1-6
48"X24"

STA. 32+70W, 12' LT

T4Y

STA. 32+92W, 9' RT

STA. 34+28E, 12' LT

STA. 32+01W, 24' LT

STA. 32+24W, 26' LT

MATCH LINE STA. 33+00.00 E

12'

30+00E

25'

35+00E

T4Y

STA. 34+01W, 12' LT

STA. 34+70E, 12' RT

STA. 34+70E, 23' RT

STA. 34+25E, 0' RT

STA. 33+72E, 12' RT

50'

SE RAMP (WB OFF-RAMP)

RIPRAP

T4W

T8W

T4Y

STA. 33+45E, 18' RT

STA. 33+50E, 30' RT

STA. 33+20E, 12' RT

LANE CLOSED
R11-2L
48"X30"

MERGE TAPER (320-FT)

5 DRUMS SPACED @ 10-FT INTERVALS

USH 10 WB

USH 10 EB

HILLTOP RD

40+00W

STA. 38+99W, 12' LT

STA. 41+94W, 0'

STA. 42+04W, 1' RT

OAK GROVE RD

T4Y

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3C (USH 10) (3C-3)	SHEET 217	E

2

2

MATCH LINE STA. 79+00.00 EB

MATCH LINE STA. 94+00.00 EB

EXISTING SIGN TO REMAIN

Osseo

Augusta Fairchild

EXISTING SIS SIGN

EXISTING SIGN TO REMAIN

SEPTIC

SLAB

SIGN

T4Y

WO1-6 48"X24"

MOVING SIGNS TYPE II

WEST 10 EAST 10 COUNTY R

NO PARKING ON RAMP

MOVING SIGNS TYPE II

EXIT 88

COVERING SIGNS TYPE II

SE RAMP (WB OFF-RAMP)

125+00SE

RIPRAP

MH

MOVING SIGNS TYPE II

EXIT 88

MOVING SIGNS TYPE II

STA. 85+77WB, 49' LT

130+00SE

50'

ROAD CLOSED

R11-2 48"X30"

SIGN

STA. 89+79WB, 28' LT

WO1-6 48"X24"

SLAB

T4Y

STA. 92+11WB, 12' LT

WORK ZONE (TYP.)

80+00WB

IH 94 WB (CLOSED)

85+00WB

90+00WB

12'

12'

12'

JH 94 TEMP ROAD.

80+00TRE

85+00TRE

85+00TRE

90+00TRE

90+00TRE

95+00TRE

90+00SW

IH 94 EB

INL

12'

12'

85+00SW

200'

STA. 85+94TRE, 24' LT

STA. 91+34TRE, 24' LT

T4WE

STAY IN LANE

R4-9 24"X30"

SW RAMP (EB ON-RAMP)

WO1-4BL

MH

W

WALL

WALL

EXISTING SIS SIGN

MOVING SIGNS TYPE II

SEPTIC

POOL

POOL

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3C (3C-4)	SHEET 218	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3C.DWG
LAYOUT NAME - 79+00 - 94+00

PLOT DATE : 4/20/2021 9:52 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

EXIT 88

COVERING SIGNS TYPE I

EXISTING SIS SIGN

EXISTING SIGN TO REMAIN

LANE CLOSED
R11-2L
48"X30"

MOVING SIGNS TYPE II

STA. 105+54TRE, 24' LT

SIGN

12'

T4Y

SE RAMP (WB OFF-RAMP)

105+00WB

IH 94 TEMP ROAD

105+00TRE

200'

50'

95+00WB

100+00WB

95+00TRE

100+00TRE

12'

12'

STA. 101+86TRE, 24' LT

MOVING SIGNS TYPE II

T4WE

MATCH LINE STA. 94+00.00 EB

MATCH LINE STA. 109+00.00 EB

95+00EB

100+00EB

105+00EB

12'

12'

IH 94 EB

240' SHIFTING TAPER
(60 MPH)

RIPRAP

SIGN

N

T4Y

12'

SE RAMP (WB OFF-RAMP)

110+00WB

50'

115+00WB

120+00WB

IH 94 TEMP ROAD

110+00TRE

115+00TRE

120+00TRE

12'

12'

200'

LANE CLOSED
R11-2L
48"X30"

MATCH LINE STA. 109+00.00 EB

MATCH LINE STA. 124+00.00 EB

110+00EB

115+00EB

120+00EB

IH 94 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3C (3C-5)	SHEET 219	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3C.DWG
LAYOUT NAME - 94+00 - 124+00

PLOT DATE : 4/20/2021 9:52 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

HOSPITAL EXIT 88
SIGN
EXISTING SIGN TO REMAIN
STA. 127+48WB, 12' LT
T4Y
SE RAMP (WB OFF-RAMP)
125+00WB
130+00WB
12'
STA. 132+00WB, 12' LT
STA. 132+19WB, 24' LT
STA. 133+35WB, 4' RT
STA. 133+59WB, 4' RT
STA. 134+55WB, 4' RT
STA. 136+54TRE, 58' LT
IH 94 WB (CLOSED)
135+00WB
135+00SEB
STA. 137+78TRE, 24' LT
50'
STA. 134+84WB, 4' RT
T4W
125+00TRE
130+00TRE
135+00TRE
IH 94 TEMP ROAD
200'
12'
12'
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
R4W-1
SPEED LIMIT 60
R2-1
24"X30"
ROAD CLOSED
R11-2
48"X30"
EMERGENCY PARKING 2 HR MAX
R8-54
48"X36"
T8WE
T4W-2
STA. 136+78TRE, 35' LT
STA. 136+78TRE, 24' LT
TEMPORARY EMERGENCY PULLOUT REQUIRED
SEE S.D.D. "TEMPORARY EMERGENCY PULLOUTS"
FOR ADDITIONAL SIGNS AND DETAILS NOT SHOWN
EXISTING SIGN TO REMAIN
EXISTING SIS SIGN
EXIT 88
MOVING SIGNS TYPE II
MATCH LINE STA. 124+00.00 EB
MATCH LINE STA. 139+00.00 EB
125+00EB
130+00EB
135+00EB
IH 94 EB
CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3C
STA. 136+94SEB, 4' RT

2

IH 94 WB (CLOSED)
140+00WB
145+00WB
150+00WB
12'
12'
150+00TRE
T4W-2
IH 94 TEMP ROAD
145+00TRE
140+00TRE
200'
CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 146+92TRE, 3' RT
EMERGENCY PARKING 1/4 MILE
R8-53
48"X36"
T4W
S3-01
EXIT 88
10
Osseo
Fairchild
PAID FOR AS "TRAFFIC CONTROL SIGNS FIXED MESSAGE"
STA. 139+10TRE, 24' LT
COVERING SIGNS TYPE II
EXIT 88
10
Osseo
Fairchild
NEXT EXIT 5 MILES
MATCH LINE STA. 139+00.00 EB
MATCH LINE STA. 154+00.00 EB
140+00EB
145+00EB
150+00EB
IH 94 EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3C (3C-6)	SHEET 220	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3C.DWG
LAYOUT NAME - 124+00 - 154+00
PLOT DATE : 4/20/2021 9:53 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

155+00WB

155+00TKE

200'

160+00WB

160+00TKE

12'

12'

IH 94 WB (CLOSED)

165+00WB

IH 94 TEMP ROAD

165+00TKE

N

MILE 90

MOVING SIGNS TYPE II

W01-4BL

MATCH LINE STA. 154+00.00 EB

MATCH LINE STA. 169+00.00 EB

155+00EB

160+00EB

165+00EB

IH 94 EB

GMP

GMP

GMP

2

170+00WB

170+00TKE

175+00WB

175+00TKE

12'

12'

IH 94 WB (CLOSED)

IH 94 TEMP ROAD

180+00WB

180+00TKE

200'

N

MATCH LINE STA. 169+00.00 EB

MATCH LINE STA. 184+00.00 EB

170+00EB

175+00EB

180+00EB

IH 94 EB

GMP

GMP

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3C (3C-7)	SHEET 221	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3C.DWG
LAYOUT NAME - 154+00 - 184+00

PLOT DATE : 4/20/2021 9:53 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

185+00WB

190+00WB

IH 94 WB (CLOSED)

195+00WB

185+00TRE

190+00TRE

IH 94 TEMP ROAD

195+00TRE

200'

12'

12'

MATCH LINE STA. 184+00.00 EB

TEMPORARY EMERGENCY PULLOUT REQUIRED
SEE S.D.D. "TEMPORARY EMERGENCY PULLOUTS"
FOR ADDITIONAL SIGNS AND DETAILS NOT SHOWN

EMERGENCY
PARKING
2 HR MAX

R8-54
48"X36"

EXIT 88

10

Osseo
Fairchild
1 MILE

S3-02

PAID FOR AS "TRAFFIC CONTROL SIGNS FIXED MESSAGE"
SEE "FIXED MESSAGE SIGN PORTABLE SUPPORT" DETAIL

MATCH LINE STA. 199+00.00 EB

185+00EB

190+00EB

195+00EB

IH 94 EB

200+00WB

205+00WB

IH 94 WB (CLOSED)

210+00WB

200+00TRE

205+00TRE

IH 94 TEMP ROAD

210+00TRE

200'

12'

12'

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 203+31TRE, 3' RT

EMERGENCY
PARKING
1/4 MILE

R8-53
48"X36"

MILE
9
1

MOVING
SIGNS TYPE II

MATCH LINE STA. 199+00.00 EB

MATCH LINE STA. 214+00.00 EB

SMP

200+00EB

205+00EB

210+00EB

IH 94 EB

SMP

2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3C (3C-8)	SHEET 222	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3C.DWG
LAYOUT NAME - 184+00 - 214+00

PLOT DATE : 4/20/2021 9:53 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

MATCH LINE STA. 214+00.00 EB

IH 94 WB (CLOSED)

215+00WB

215+00OXD

215+00TRE

12'

12'

IH 94 TEMP ROAD

220+00WB

220+00OXD

220+00TRE

50'

MOVING
SIGNS TYPE II

Trempealeau Co

SIGN

SIGN

225+00WB

225+00OXD

225+00TRE

IH 94 WB WIDENING

200'

ROAD
CLOSED
R11-2
48"X30"

LEFT
SHOULDER
CLOSED
W21-5aL

5 DRUMS SPACED @ 10-FT INTERVALS

100'

215+00EB

220+00EB

225+00EB

IH 94 EB

SIGN

MATCH LINE STA. 229+00.00 EB

2

WO5-52R
12"X36"

ROAD
CLOSED
R11-2
48"X30"

WO1-6
48"X24"

STAY
IN
LANE
R4-9
24"X30"

B-27-36
EXISTING TO REMAIN

EXISTING SIGN
TO REMAIN

230+00WB

230+00OXD

230+00TRE

IH 94 WB WIDENING

12'

12'

50'

235+00OXD

235+00WB

235+00TRE

240+00OXD

240+00WB

50'

IH 94 WB

EXISTING SIGN
TO REMAIN

WO1-4BL

PLACE 2 SIGNS AT STA
255+00WB LT & RT

MATCH LINE STA. 229+00.00 EB

IH 94 TEMP ROAD

230+00EB

235+00EB

XXXX

240+00EB

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 3C	(3C-9)	SHEET 223	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025003-TC-STAGE 3C.DWG
LAYOUT NAME - 214+00 - END

PLOT DATE : 4/20/2021 9:54 AM PLOT BY : KL ENGINEERING PLOT NAME :

WISDOT/CADDS SHEET 42

STAGE 4A

CONSTRUCTION OPERATIONS:

IH 94 EB

- REMOVE TEMPORARY MEDIAN PAVEMENT

IH 94 WB

- REMOVE TEMPORARY MEDIAN PAVEMENT
- PLACE CONCRETE BARRIER TEMPORARY PRECAST STA 42+00 WB - STA 245+00 WB

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC SHIFTS TO THE OUTSIDE FROM NORTH END OF PROJECT TO USH 10 INTERCHANGE
- IH 94 EB TRAFFIC TRAVELS ON PROPOSED PAVEMENT FROM USH 10 INTERCHANGE TO SOUTH END OF PROJECT

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON PROPOSED PAVEMENT

USH 10

- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT
- PROPOSED RIGHT TURN LANES AT NE ON-RAMP AND SW ON-RAMP OPEN TO TRAFFIC

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- ALL RAMP TRAFFIC TRAVELS ON PROPOSED PAVEMENT

STAGE 4B

CONSTRUCTION OPERATIONS:

IH 94 EB

- REMOVE CONCRETE BARRIER TEMPORARY PRECAST
- COMPLETE MEDIAN SHOULDER WORK
- PLACE RUMBLE STRIPS

IH 94 WB

- REMOVE CONCRETE BARRIER TEMPORARY PRECAST
- COMPLETE MEDIAN SHOULDER WORK
- PLACE RUMPLE STRIPS

TRAFFIC OPERATIONS:

IH 94 EB

- IH 94 EB TRAFFIC TRAVELS ON PROPOSED PAVEMENT EXCEPT DURING OFF-PEAK SINGLE LANE CLOSURES AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS

IH 94 WB

- IH 94 WB TRAFFIC TRAVELS ON PROPOSED PAVEMENT EXCEPT DURING OFF-PEAK SINGLE LANE CLOSURES AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS

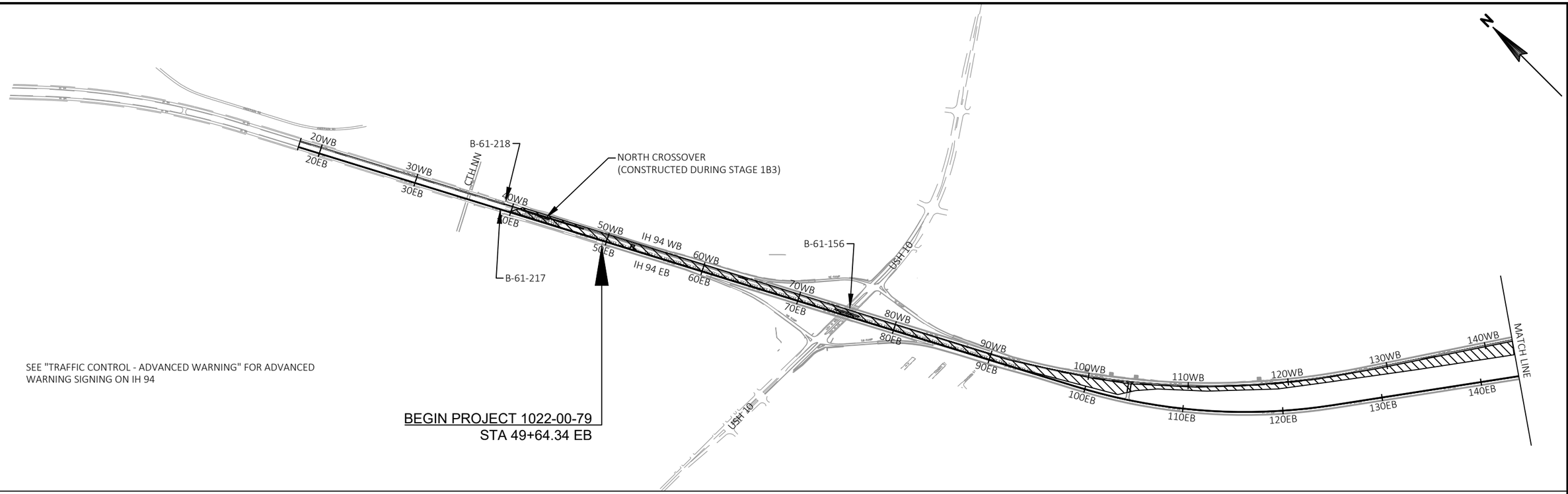
USH 10

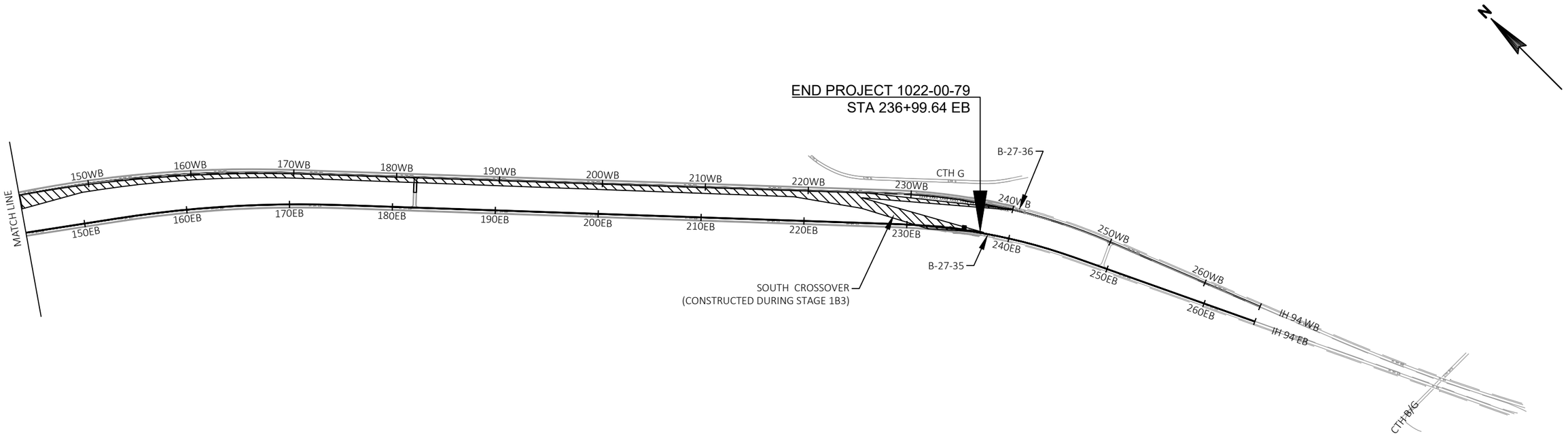
- USH 10 TRAFFIC TRAVELS ON EXISTING PAVEMENT
- PROPOSED RIGHT TURN LANES AT NE ON-RAMP AND SW ON-RAMP OPEN TO TRAFFIC

NE ON-RAMP / NW OFF-RAMP / SE OFF-RAMP / SW ON-RAMP

- ALL RAMP TRAFFIC TRAVELS ON PROPOSED PAVEMENT

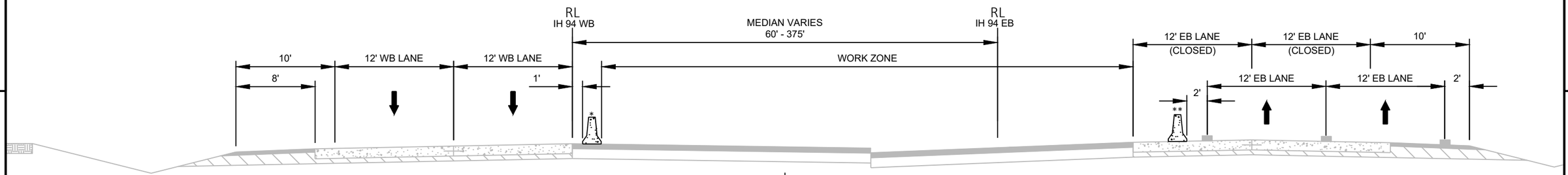
2





PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET 225	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025004-TC-STAGE 4 OV.DWG
LAYOUT NAME - Overview
PLOT DATE : 4/20/2021 9:54 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 4A
STA 40+00 EB - STA 97+40 EB
STA 40+75 WB - STA 239+84 WB

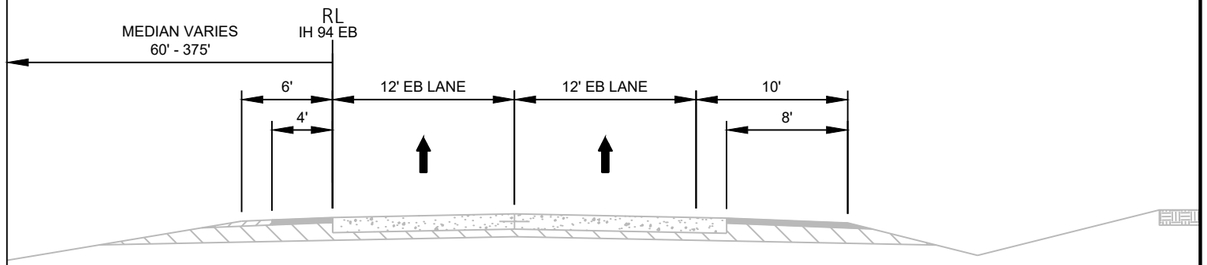
CONCRETE BARRIER TEMPORARY PRECAST PLACED IN STAGE 3B:
**STA 43+00 EB - STA 97+40 EB

CONCRETE BARRIER TEMPORARY PRECAST PLACED IN STAGE 4A:
*STA 42+00 WB - STA 245+00 WB

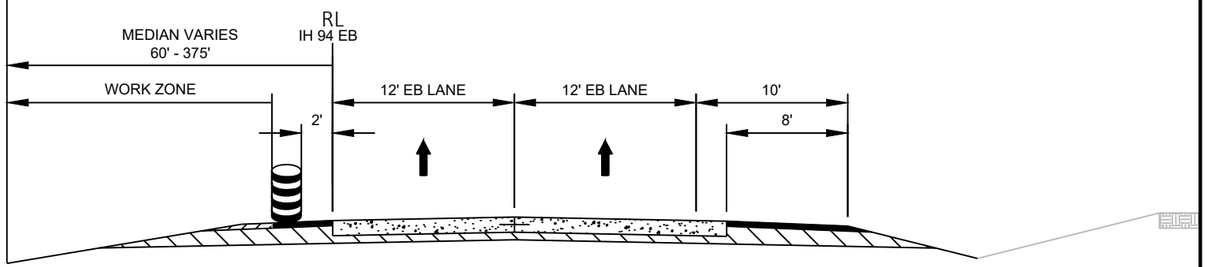
LEGEND

TRAFFIC CONTROL DRUMS

CONCRETE BARRIER TEMPORARY PRECAST



TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 4A
STA 97+40 EB - STA 225+00 EB



TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 4A
STA 225+00 EB - STA 237+50 EB

NOTE:
SEE "PROPOSED TYPICAL SECTIONS" FOR PAVEMENT STRUCTURE

SEE "PAVEMENT MARKING PLAN" FOR PERMANENT PAVEMENT MARKING

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 4 TYPICAL SECTION	SHEET 226	E

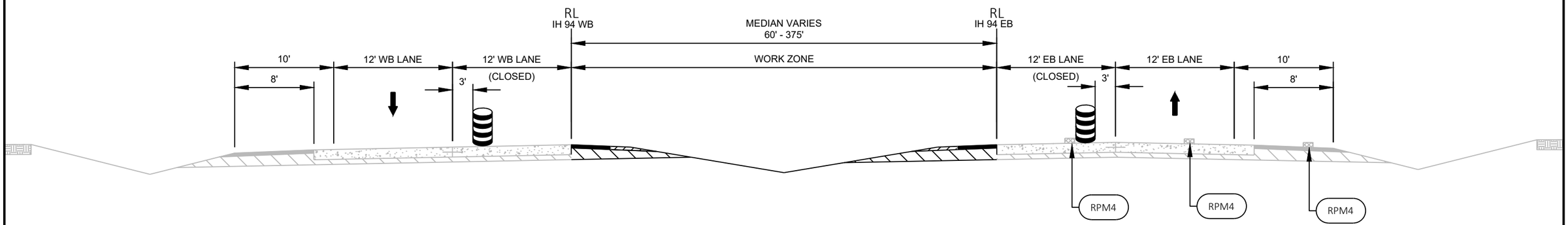
2

LEGEND

RPM4 — REMOVING PAVEMENT MARKINGS 4-INCH

TRAFFIC CONTROL DRUMS

SEE TRAFFIC CONTROL PLANS FOR PAVEMENT MARKING LOCATIONS



TRAFFIC CONTROL TYPICAL SECTION
IH 94 - STAGE 4B
STA 30+00 EB - STA 105+50 EB
STA 35+00 WB - STA 245+00 WB

NOTE:
SEE "PROPOSED TYPICAL SECTIONS" FOR PAVEMENT STRUCTURE

SEE "PAVEMENT MARKING PLAN" FOR PERMANENT PAVEMENT MARKING

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 4 TYPICAL SECTION	SHEET 227	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025004-TC-STAGE 4 OV.DWG
LAYOUT NAME - Stage 4 TYP (2)
PLOT DATE : 4/20/2021 9:54 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : #########
WISDOT/CADDS SHEET 42

2

2

SIGN

IH 94 WB

20+00WB

25+00WB

30+00WB

20+00EB

25+00EB

30+00EB

IH 94 EB

SIGN

LEFT SHOULDER CLOSED AHEAD
W21-5BL

LEFT SHOULDER CLOSED
W21-5AL

W01-4BR

MATCH LINE STA. 34+00.00 EB

SEE S.D.D "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H." FOR ADDITIONAL SIGNING AND DETAILS NOT SHOWN ON PLAN

SEE "TRAFFIC CONTROL - ADVANCED WARNING" FOR ADVANCED WARNING SIGNS

CTH NN

HO

N. FORK BUFFALO RIVER

B-61-218
EXISTING TO REMAIN

RIPRAP

RIPRAP

35+00WB

50'

40+00WB

IH 94 WB

45+00WB

STA. 42+35WB, 4' RT

5 DRUMS SPACED @ 10-FT INTERVALS

35+00EB

100'

40+00EB

45+00EB

IH 94 EB

RIPRAP

RIPRAP

WORK ZONE (TYP.)

B-61-217
EXISTING TO REMAIN

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 3AP2
STA. 40+92EB, 3' LT

STAY IN LANE
R4-9
24"X30"

T

T

12'

12'

240' SHIFTING TAPER
(60 MPH)

MATCH LINE STA. 49+00.00 EB

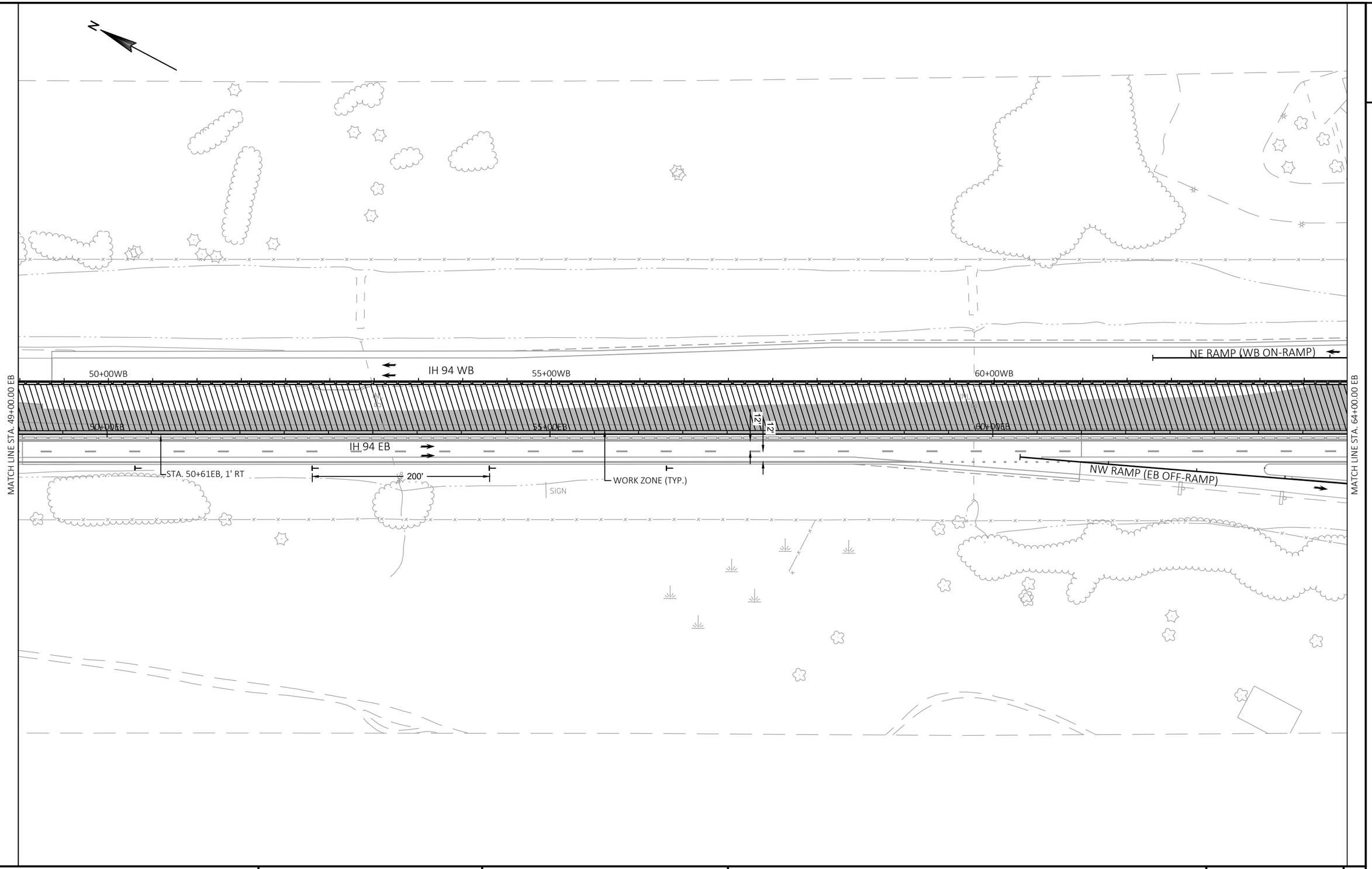
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 4A (4A-1)	SHEET 228	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025004-TC-STAGE 4A.DWG
LAYOUT NAME - 20+00 - 49+00

PLOT DATE : 4/20/2021 9:56 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 4A (4A-2)	SHEET 229	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025004-TC-STAGE 4A.DWG
LAYOUT NAME - 49+00 - 64+00

PLOT DATE : 4/20/2021 9:56 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

2

2

MATCH LINE STA. 64+00.00 EB

MATCH LINE STA. 79+00.00 EB

N

FLAG

W

SIGN

INL

RIPRAP

MH

115+00NE

SE RAMP (WB OFF-RAMP)

110+00NE

NE RAMP (WB ON-RAMP)

105+00NE

OH

SIG. CAB.

ITS CAMERA

65+00WB

70+00WB

IH 94 WB

75+00WB

65+00EB

70+00EB

75+00EB

12'

12'

IH 94 EB

200'

65+00NW

WORK ZONE (TYP.)

B-61-156

RIPRAP

70+00NW

NW RAMP (EB OFF-RAMP)

USH 10 WB

USH 10 EB

SLAB

80+00SW

SW RAMP (EB ON-RAMP)

PLAN OBSTRUCTED BY TREE

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 4A (4A-3)	SHEET 230	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025004-TC-STAGE 4A.DWG
LAYOUT NAME - 64+00 - 79+00
PLOT DATE : 4/20/2021 9:56 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

N

SEPTIC

SLAB

SIGN

SE RAMP (WB OFF-RAMP)

125+00SE

130+00SE

SIGN

RIPRAP

MH

SIGN

SLAB

OH

IH 94 WB

80+00WB

85+00WB

90+00WB

MATCH LINE STA. 79+00.00 EB

80+00EB

85+00EB

12'

12'

90+00EB

MATCH LINE STA. 94+00.00 EB

90+00SW

IH 94 EB

INL

85+00SW

200'

WORK ZONE (TYP.)

STAY IN LANE

R4-9 24"X30"

OH

SW RAMP (EB ON-RAMP)

W01-4BL

MH

INL

WALL

WALL

W

W

POOL

SEPTIC

POOL

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 4A (4A-4)	SHEET 231	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025004-TC-STAGE 4A.DWG
LAYOUT NAME - 79+00 - 94+00

PLOT DATE : 4/20/2021 9:56 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

SIGN

SIGN

MATCH LINE STA. 94+00.00 EB

95+00WB

100+00WB

105+00WB

IH 94 WB

WORK ZONE (TYP.)

95+00EB

100+00EB

105+00EB

50'

12'

12'

240' SHIFTING TAPER
(60 MPH)

IH 94 EB

RIPRAP

SIGN

OH

OH

STA 109+00 EB - STA 199+00 EB SEE "TRAFFIC CONTROL - STAGE 4A TYPICAL SECTIONS" FOR ADDITIONAL TRAFFIC CONTROL PLANS

200+00WB

205+00WB

IH 94 WB

210+00WB

WORK ZONE (TYP.)

N

LEFT SHOULDER CLOSED AHEAD

W21-58L

MATCH LINE STA. 214+00.00 EB

SMP

200+00EB

205+00EB

210+00EB

IH 94 EB

SMP

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 4A (4A-5)	SHEET 232	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025004-TC-STAGE 4A.DWG
LAYOUT NAME - 94+00 - 124+00

PLOT DATE : 4/20/2021 9:56 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

SIGN

SIGN

215+00WB

IH 94 WB

220+00WB

225+00WB

N

MATCH LINE STA. 214+00.00 EB

WORK ZONE (TYP.)

MATCH LINE STA. 229+00.00 EB

LEFT SHOULDER CLOSED

W21-5aL

CRASH CUSHIONS TEMPORARY
PLACED IN STAGE 4A
STA. 226+30EB, 3' LT

215+00EB

220+00EB

225+00EB

IH 94 EB

SIGN

N

B-27-36
EXISTING TO REMAIN

EXISTING SIGN
TO REMAIN

IH 94 WB

230+00WB

235+00WB

240+00WB

STA. 237+21WB, 4' RT

EXISTING SIGN
TO REMAIN

MATCH LINE STA. 229+00.00 EB

WORK ZONE (TYP.)

EXISTING SIGN
TO REMAIN

235+00EB

XXXX

240+00EB

230+00EB

IH 94 EB

EXISTING SIGN
TO REMAIN

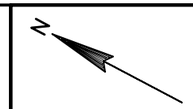
B-27-35
EXISTING TO REMAIN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TRAFFIC CONTROL - STAGE 4A (4A-6)	SHEET 233	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025004-TC-STAGE 4A.DWG
LAYOUT NAME - 214+00 - END

PLOT DATE : 4/20/2021 9:57 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

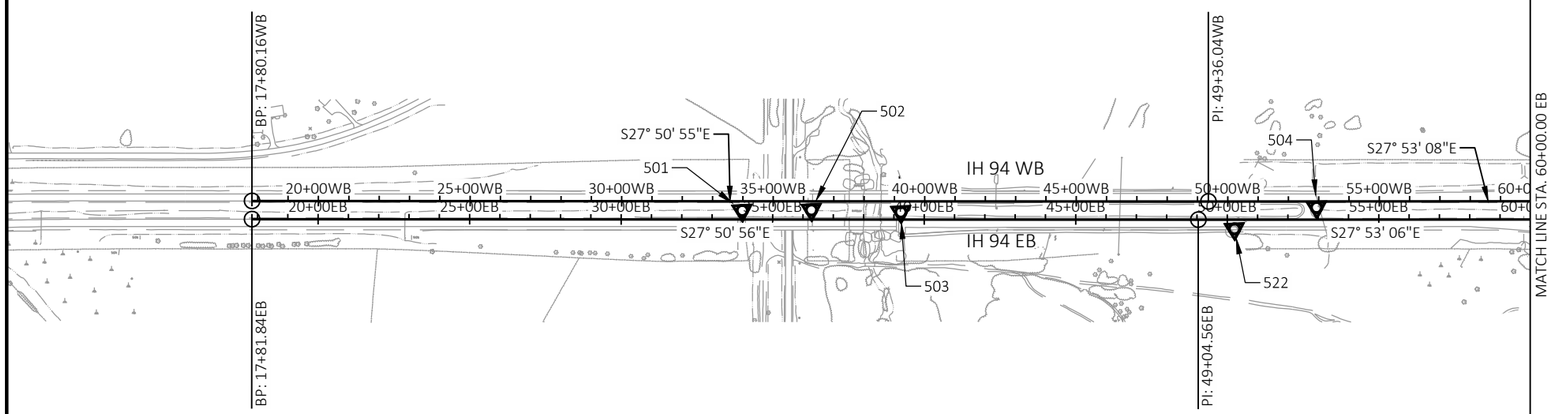


WB
PI STA = 17+80.16 WB
Y = 522,047.6372
X = 882,492.3264

EB
PI STA = 17+81.84 EB
Y = 522,019.4908
X = 882,439.3442

WB
PI STA = 49+36.04 WB
Y = 519,257.2589
X = 883,966.5506

EB
PI STA = 49+04.56 EB
Y = 519,258.4301
X = 883,898.0907



PT #	Y	X	ELEVATION	DESCRIPTION
500	523,061.04	881,911.99	987.76	5/8IN RB KL CAP
501	520,603.18	883,220.46	990.73	5/8IN RB KL CAP
502	520,402.09	883,328.98	990.12	5/8IN RB KL CAP
503	820,138.13	883,461.06	989.64	5/8IN RB KL CAP
504	518,932.43	884,115.66	993.96	5/8IN RB KL CAP
522	519,138.51	883,925.90	993.51	MAG NAIL

2

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	ALIGNMENT DIAGRAM AND CONTROL POINTS	SHEET 234	E

2

PT #	Y	X	ELEVATION	DESCRIPTION
505	517,214.71	885,006.59	1,011.58	5/8IN RB KL CAP
506	516,761.06	885,273.29	1,013.13	5/8IN RB KL CAP
513	516,972.24	884,883.85	1,033.59	CUT X IN CONC
514	516,917.23	885,415.24	1,036.46	5/8IN RB KL CAP
515	516,938.45	884,256.35	1,018.94	5/8IN RB KL CAP
516	517,051.08	886,010.23	1,033.63	5/8IN RB KL CAP
530	517,358.35	885,189.92	1,020.84	5/8IN RB KL CAP

NE
PI STA = 100+00.00 NE
Y = 518,170.8571
X = 884,570.9809

NE
PI STA = 115+24.24 NE
Y = 516,986.8463
X = 885,500.4132

W
PI STA = 24+30.50 W
Y = 516,998.4440
X = 884,566.2870

W
PI STA = 31+05.05 W
Y = 516,990.1342
X = 885,240.7860

NE
PI STA = 105+52.52 NE
Y = 517,682.4894
X = 884,829.3813
Δ = 21°24'22"
D = 3°27'05.59"
T = 313.75
L = 620.19
R = 1660.00
PC STA = 102+38.76 NE
Y = 517,959.8152
X = 884,682.6453
PT STA = 108+58.95 NE
Y = 517,477.8499
X = 885,067.2125
SE = 6.00%

NE
PI STA = 113+14.72 NE
Y = 517,180.5860
X = 885,412.6913
Δ = 24°55'47"
D = 12°43'56.62"
T = 99.47
L = 195.80
R = 450.00
PC STA = 112+15.24 NE
Y = 517,245.4656
X = 885,337.2885
PT STA = 114+11.04 NE
Y = 517,089.9687
X = 885,453.7212

W
PI STA = 38+20.06 W
Y = 516,981.5392
X = 885,955.7440
Δ = 15°40'39"
D = 2°10'19.38"
T = 363.16
L = 721.78
R = 2637.87
PC STA = 34+56.90 W
Y = 516,985.9047
X = 885,592.6110
PT STA = 41+78.68 W
Y = 517,075.4624
X = 886,306.5474

SE
PI STA = 127+07.02 SE
Y = 516,259.0025
X = 885,623.6957
Δ = 15°25'01"
D = 3°45'00.00"
T = 206.81
L = 411.12
R = 1527.89
PC STA = 125+00.21 SE
Y = 516,463.3230
X = 885,591.7180
PT STA = 129+11.33 SE
Y = 516,070.5351
X = 885,708.8393

SE
PI STA = 120+00.00 SE
Y = 516,957.5178
X = 885,514.3729

SE
PI STA = 133+98.91 SE
Y = 515,629.5084
X = 885,916.7519

SE
PI STA = 129+62.12 SE
Y = 516,024.2494
X = 885,729.7497

NW
PI STA = 60+00.00 NW
Y = 518,250.9508
X = 884,401.8910

NW
PI STA = 73+08.12 NW
Y = 516,996.2394
X = 884,740.5761

NW
PI STA = 65+83.10 NW
Y = 517,715.0485
X = 884,631.7036
Δ = 14°35'55"
D = 4°00'00.00"
T = 183.48
L = 364.96
R = 1432.39
PC STA = 63+99.62 NW
Y = 517,883.6733
X = 884,559.3917
PT STA = 67+64.59 NW
Y = 517,533.6419
X = 884,659.1798

SW
PI STA = 76+00.00 SW
Y = 516,966.6534
X = 884,733.3941

SW
PI STA = 94+00.00 SW
Y = 515,560.9429
X = 885,825.2021

SW
PI STA = 78+16.99 SW
Y = 516,798.1483
X = 884,870.1082
Δ = 10°18'37"
D = 13°00'00.00"
T = 39.76
L = 79.31
R = 440.74
PC STA = 77+77.23 SW
Y = 516,829.0259
X = 884,845.0561
PT STA = 78+56.54 SW
Y = 516,772.2531
X = 884,900.2822

SW
PI STA = 85+42.08 SW
Y = 516,325.7934
X = 885,420.5118
Δ = 21°28'48"
D = 3°27'05.59"
T = 314.86
L = 622.33
R = 1660.00
PC STA = 82+27.22 SW
Y = 516,530.8483
X = 885,181.5750
PT STA = 88+49.55 SW
Y = 516,047.4871
X = 885,567.7665
SE = 6.00%

E
PI STA = 20+00.00 E
Y = 516,976.4340
X = 883,989.6330

E
PI STA = 36+54.14 E
Y = 516,956.6800
X = 885,643.6550

E
PI STA = 30+48.25 E
Y = 516,963.0470
X = 885,037.7960

E
PI STA = 35+72.51 E
Y = 516,956.9650
X = 885,562.0250

W
PI STA = 42+04.20 W
Y = 517,082.0620
X = 886,331.1970

MATCH LINE STA. 40+00.00 W

MATCH LINE STA. 60+00.00 EB

MATCH LINE STA. 91+00.00 EB

MATCH LINE STA. 40+00.00 W

USH 10 W

IH 94 WB

IH 94 EB

NE RAMP (WB ON-RAMP)

SE RAMP (WB OFF-RAMP)

NW RAMP (EB OFF-RAMP)

SW RAMP (EB ON-RAMP)

BP: 100+00.00NE

PC: 102+38.76NE

PT: 108+58.95NE

PC: 112+15.24NE

PT: 114+11.04NE

EP: 115+24.24NE

PC: 34+56.90W

BP: 35+00W

EP: 36+54.14E

PI: 35+72.51E

PC: 125+00.21SE

PT: 129+11.33SE

PI: 129+62.12SE

EP: 133+98.91SE

BP: 120+00.00SE

PC: 89+32.24WB

EP: 94+00.00SW

PI: 31+05.05W

PT: 67+64.59NW

PC: 63+99.62NW

BP: 60+00.00NW

BP: 24+30.50W

PC: 77+77.23SW

PT: 78+56.54SW

PC: 82+27.22SW

PT: 88+49.55SW

BP: 76+00.00SW

BP: 20+00.00E

PI: 30+48.25E

PI: 41+78.68W

EP: 42+04.20W

INTERSECTION
STA 33+64.62W
STA 115+24.06NE

INTERSECTION
STA 31+91.88E
STA 75+33.53WB

INTERSECTION
STA 30+29.98W
STA 74+99.95WB

INTERSECTION
STA 35+24.86E
STA 120+00.00SE

INTERSECTION
STA 29+61.65W
STA 74+68.83EB

INTERSECTION
STA 26+04.79W
STA 73+08.06NW

INTERSECTION
STA 31+23.58E
STA 75+02.47EB

INTERSECTION
STA 27+43.83E
STA 76+00.00SW

STA 100+00.00NE RL =
STA 61+78.98WB, -26.1 LT

STA 60+00.00NW RL =
STA 60+30.69EB, 25.9 RT

STA 133+98.91SE RL =
STA 90+55.09WB, -26.0 LT

STA 94+00.00SW RL =
STA 90+74.03EB, 26.0 RT

S27° 53' 02"E

S23° 12' 40"E

S49° 17' 24"E

S24° 21' 37"E

S89° 48' 00"E

S8° 53' 42"E

S24° 18' 43"E

S25° 20' 55"E

S27° 53' 08"E

S27° 53' 06"E

S89° 18' 40"E

S89° 20' 07"E

S89° 17' 39"E

S89° 16' 06"E

S49° 21' 50"E

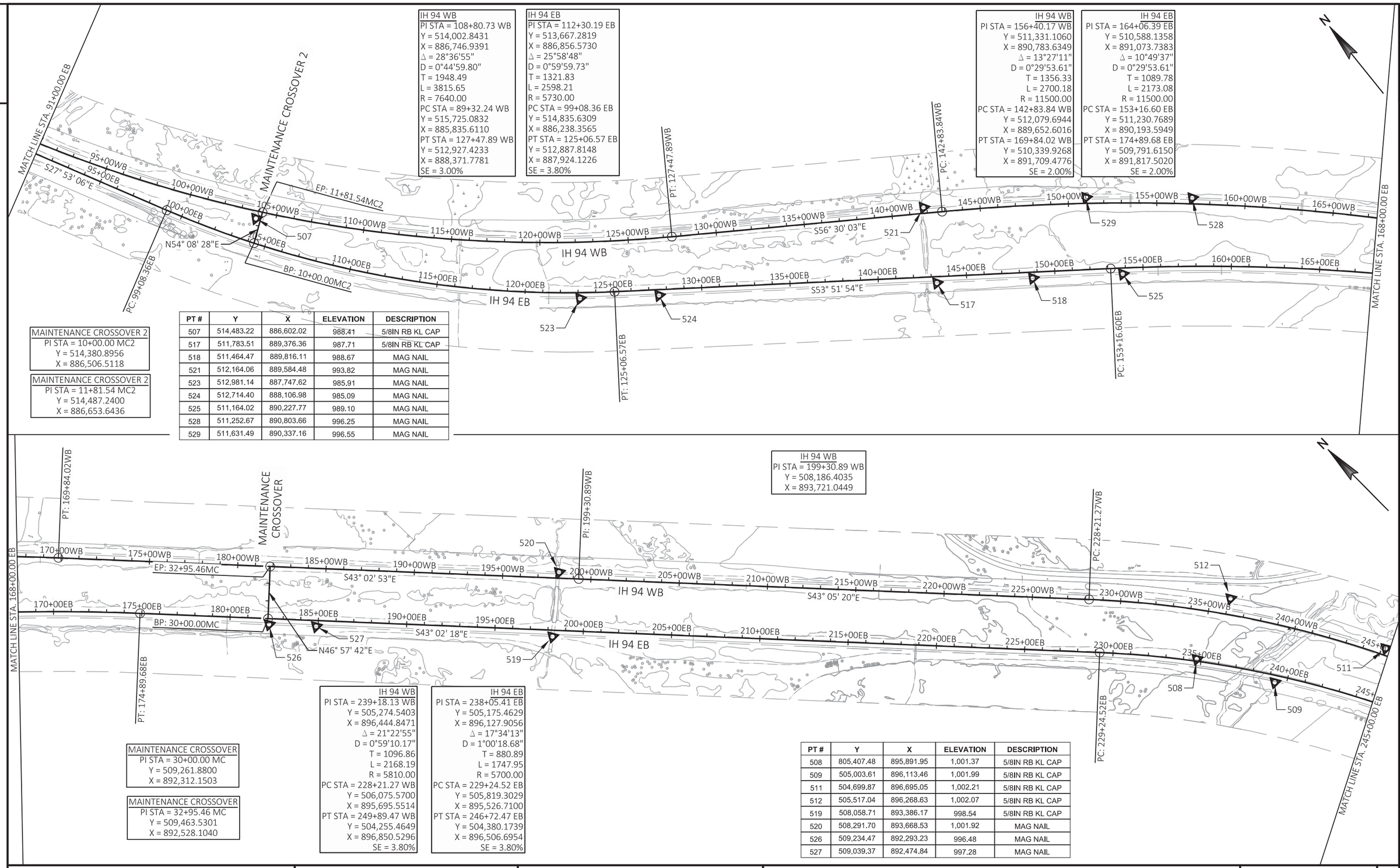
S39° 03' 13"E

S58° 36' 46"E

N75° 00' 41"E

N

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	ALIGNMENT DIAGRAM AND CONTROL POINTS	SHEET 235	E



PT #	Y	X	ELEVATION	DESCRIPTION
507	514,483.22	886,602.02	988.41	5/8IN RB KL CAP
517	511,783.51	889,376.36	987.71	5/8IN RB KL CAP
518	511,464.47	889,816.11	988.67	MAG NAIL
521	512,164.06	889,584.48	993.82	MAG NAIL
523	512,981.14	887,747.62	985.91	MAG NAIL
524	512,714.40	888,106.98	985.09	MAG NAIL
525	511,164.02	890,227.77	989.10	MAG NAIL
528	511,252.67	890,803.66	996.25	MAG NAIL
529	511,631.49	890,337.16	996.55	MAG NAIL

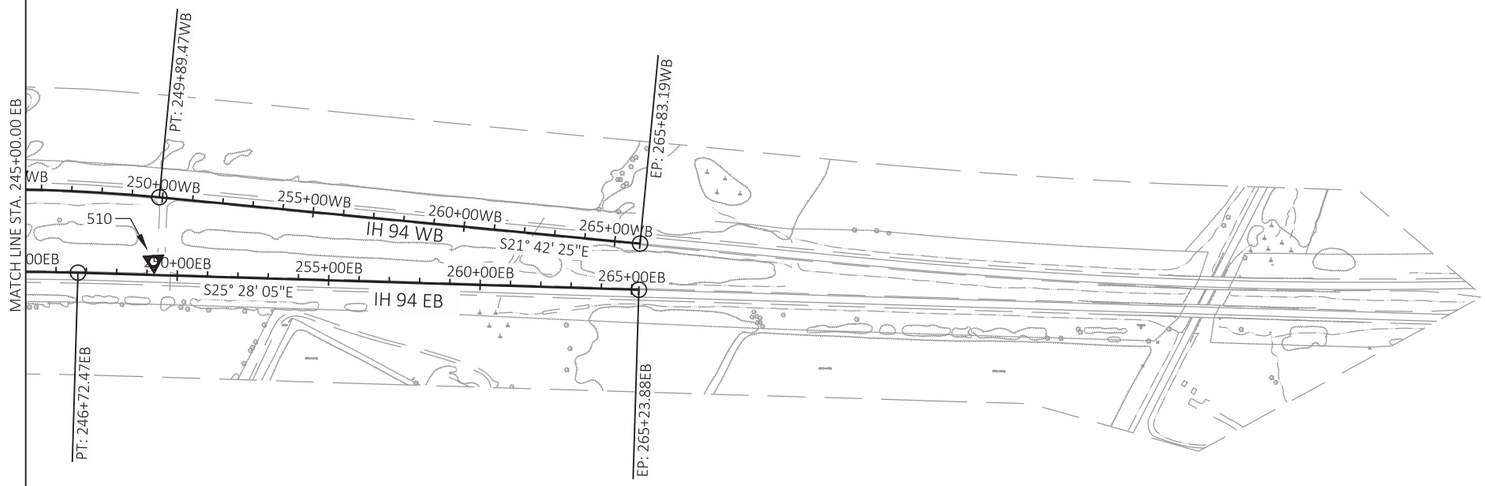
PT #	Y	X	ELEVATION	DESCRIPTION
508	805,407.48	895,891.95	1,001.37	5/8IN RB KL CAP
509	505,003.61	896,113.46	1,001.99	5/8IN RB KL CAP
511	504,699.87	896,695.05	1,002.21	5/8IN RB KL CAP
512	505,517.04	896,268.63	1,002.07	5/8IN RB KL CAP
519	508,058.71	893,386.17	998.54	5/8IN RB KL CAP
520	508,291.70	893,668.53	1,001.92	MAG NAIL
526	509,234.47	892,293.23	996.48	MAG NAIL
527	509,039.37	892,474.84	997.28	MAG NAIL

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	ALIGNMENT DIAGRAM AND CONTROL POINTS	SHEET 236	E

PT #	Y	X	ELEVATION	DESCRIPTION
510	504,175.01	896,653.29	1,002.93	5/8IN RB KL CAP

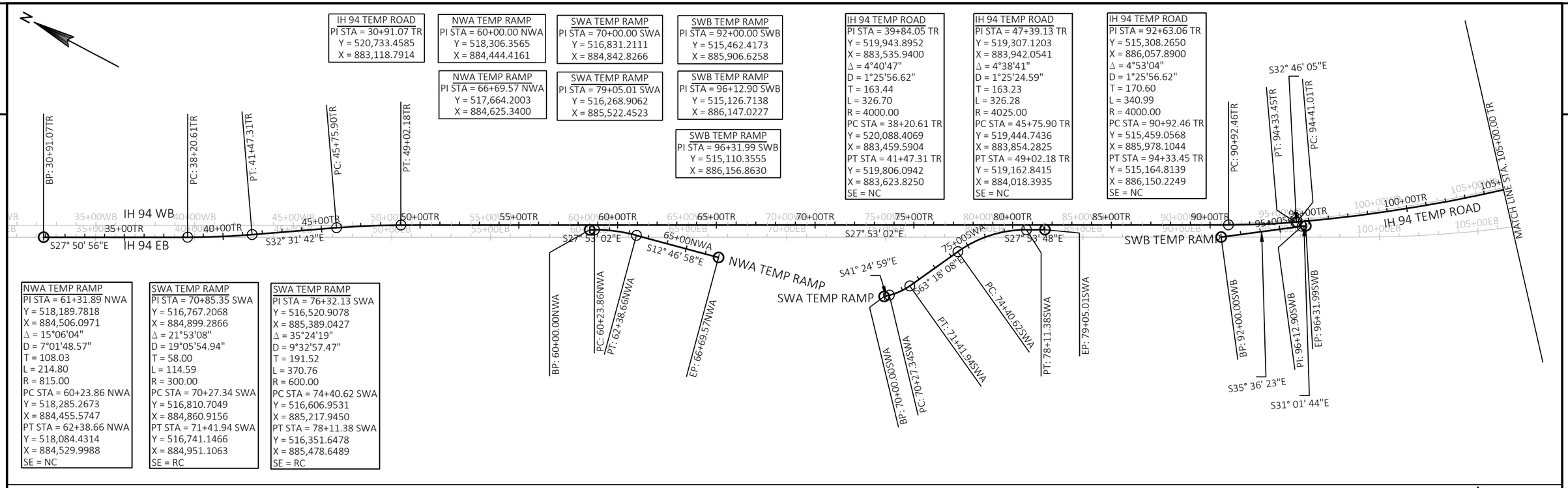
IH 94 WB
PI STA = 265+83.18 WB
Y = 502,774.7667
X = 897,439.9790

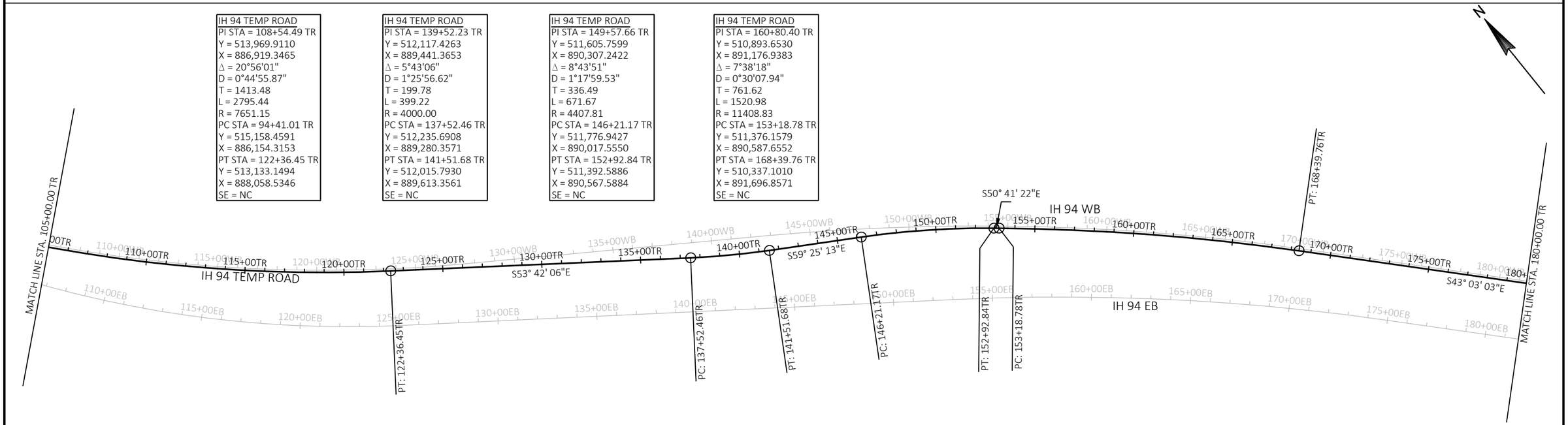
IH 94 EB
PI STA = 265+23.87 EB
Y = 502,708.6842
X = 897,302.8125



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	ALIGNMENT DIAGRAM AND CONTROL POINTS	SHEET 237	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027201_4
PLOT DATE : 10/31/2018 1:51 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########





PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	ALIGNMENT DIAGRAM - STAGE 2	SHEET 238	E

2

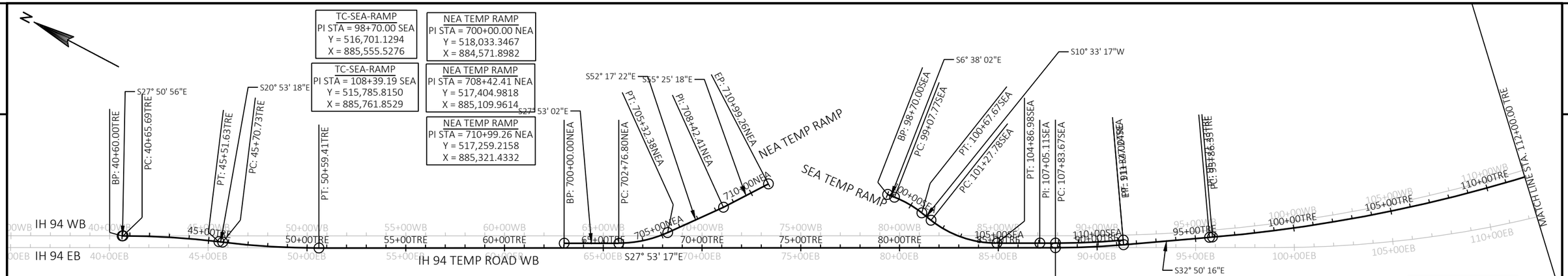
IH 94 TEMP ROAD
PI STA = 197+93.19 TR
Y = 508,178.8890
X = 893,713.0117

IH 94 TEMP ROAD
PI STA = 235+77.80 TR
Y = 505,206.9631
X = 896,023.7499

IH 94 TEMP ROAD
PI STA = 220+62.38 TR
Y = 506,521.7064
X = 895,263.1661
Δ = 14°17'37"
D = 1°38'13.28"
T = 438.85
L = 873.14
R = 3500.00
PC STA = 216+23.53 TR
Y = 506,842.1973
X = 894,963.3740
PT STA = 224+96.68 TR
Y = 506,137.1210
X = 895,474.5517
SE = NC

IH 94 TEMP ROAD
PI STA = 232+77.26 TR
Y = 505,453.0599
X = 895,850.5428
Δ = 6°20'36"
D = 1°38'13.28"
T = 193.94
L = 387.49
R = 3500.00
PC STA = 230+83.31 TR
Y = 505,623.0227
X = 895,757.1235
PT STA = 234+70.81 TR
Y = 505,294.4592
X = 895,962.1686
SE = NC

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	ALIGNMENT DIAGRAM - STAGE 2	SHEET 239	E



TRE
PI STA = 40+60.00 TRE
Y = 520,029.6238
X = 883,558.5060

TRE
PI STA = 43+08.96 TRE
Y = 519,809.4993
X = 883,674.8047
Δ = 6°57'38"
D = 1°25'56.62"
T = 243.27
L = 485.94
R = 4000.00
PC STA = 40+65.69 TRE
Y = 520,024.5953
X = 883,561.1628
PT STA = 45+51.63 TRE
Y = 519,582.2167
X = 883,761.5422
SE = NC

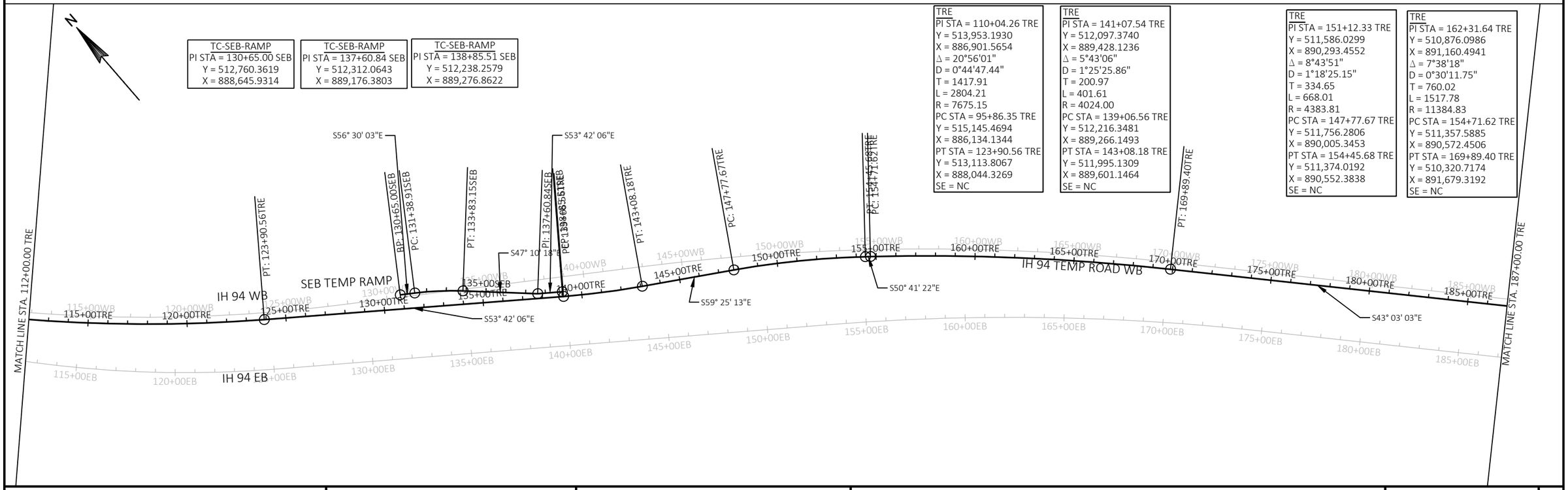
TRE
PI STA = 48+15.37 TRE
Y = 519,335.8105
X = 883,855.5778
Δ = 6°59'59"
D = 1°25'56.62"
T = 244.65
L = 488.68
R = 4000.00
PC STA = 45+70.73 TRE
Y = 519,564.3769
X = 883,768.3504
PT STA = 50+59.41 TRE
Y = 519,119.5778
X = 883,970.0096
SE = NC

TRE
PI STA = 89+61.41 TRE
Y = 515,670.7433
X = 885,795.1576
Δ = 4°56'51"
D = 1°25'56.62"
T = 172.80
L = 345.39
R = 4000.00
PC STA = 87+88.61 TRE
Y = 515,823.4782
X = 885,714.3292
PT STA = 91+34.00 TRE
Y = 515,525.5482
X = 885,888.8569
SE = NC

NEA TEMP RAMP
PI STA = 704+06.56 NEA
Y = 517,673.9887
X = 884,762.0383
Δ = 24°24'21"
D = 9°32'57.47"
T = 129.76
L = 255.58
R = 600.00
PC STA = 702+76.80 NEA
Y = 517,788.6800
X = 884,701.3539
PT STA = 705+32.38 NEA
Y = 517,594.6205
X = 884,864.6900
SE = NC

TC-SEA-RAMP
PI STA = 99+88.32 SEA
Y = 516,583.5972
X = 885,569.1970
Δ = 17°11'20"
D = 10°44'58.84"
T = 80.56
L = 159.90
R = 533.00
PC STA = 99+07.77 SEA
Y = 516,663.6131
X = 885,559.8909
PT STA = 100+67.67 SEA
Y = 516,504.4050
X = 885,554.4412
SE = NC

TC-SEA-RAMP
PI STA = 103+14.44 SEA
Y = 516,261.8071
X = 885,509.2382
Δ = 38°28'05"
D = 10°42'34.17"
T = 186.66
L = 359.20
R = 535.00
PC STA = 101+27.78 SEA
Y = 516,445.3115
X = 885,543.4304
PT STA = 104+86.98 SEA
Y = 516,096.8611
X = 885,596.6210
SE = NC



TRE
PI STA = 110+04.26 TRE
Y = 513,953.1930
X = 886,901.5654
Δ = 20°56'01"
D = 0°44'47.44"
T = 1417.91
L = 2804.21
R = 7675.15
PC STA = 95+86.35 TRE
Y = 515,145.4694
X = 886,134.1344
PT STA = 123+90.56 TRE
Y = 513,113.8067
X = 888,044.3269
SE = NC

TRE
PI STA = 141+07.54 TRE
Y = 512,097.3740
X = 889,428.1236
Δ = 5°43'06"
D = 1°25'25.86"
T = 200.97
L = 401.61
R = 4024.00
PC STA = 139+06.56 TRE
Y = 512,216.3481
X = 889,266.1493
PT STA = 143+08.18 TRE
Y = 511,995.1309
X = 889,601.1464
SE = NC

TRE
PI STA = 151+12.33 TRE
Y = 511,586.0299
X = 890,293.4552
Δ = 8°43'51"
D = 1°18'25.15"
T = 334.65
L = 668.01
R = 4383.81
PC STA = 147+77.67 TRE
Y = 511,756.2806
X = 890,005.3453
PT STA = 154+45.68 TRE
Y = 511,374.0192
X = 890,552.3838
SE = NC

TRE
PI STA = 162+31.64 TRE
Y = 510,876.0986
X = 891,160.4941
Δ = 7°38'18"
D = 0°30'11.75"
T = 760.02
L = 1517.78
R = 11384.83
PC STA = 154+71.62 TRE
Y = 511,357.5885
X = 890,572.4506
PT STA = 169+89.40 TRE
Y = 510,320.7174
X = 891,679.3192
SE = NC

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	ALIGNMENT DIAGRAM - STAGE 3	SHEET 240 E

2

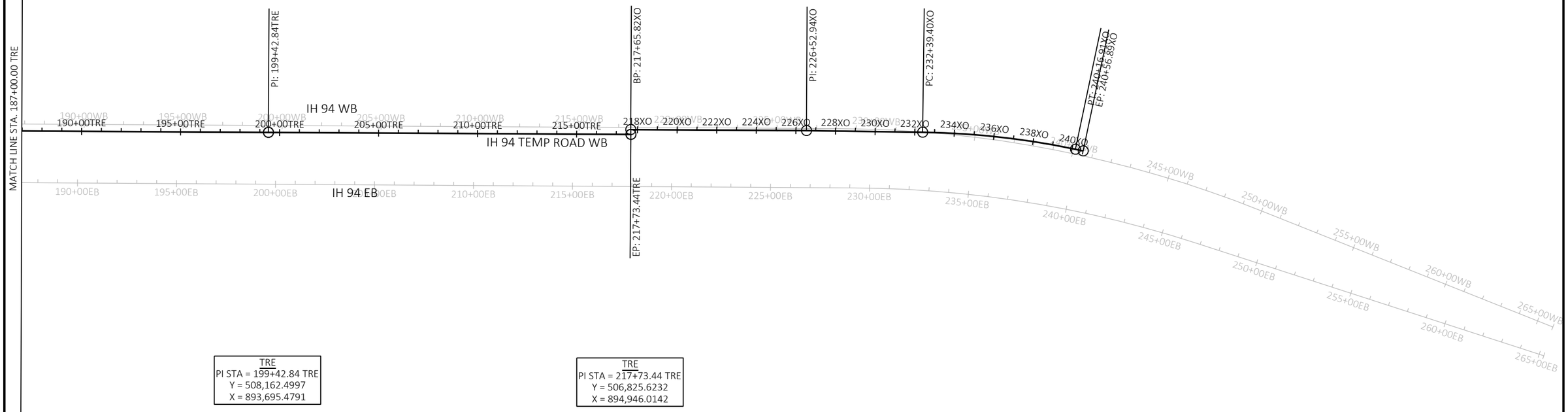
N

XO
PI STA = 217+65.82 XO
Y = 506,842.1973
X = 894,963.3740

XO
PI STA = 226+52.94 XO
Y = 506,194.3363
X = 895,569.3932

XO
PI STA = 240+56.89 XO
Y = 505,108.8243
X = 896,454.7389

XO
PI STA = 236+29.38 XO
Y = 505,475.5766
X = 896,230.3200
Δ = 11°08'13"
D = 1°25'56.62"
T = 389.98
L = 777.50
R = 4000.00
PC STA = 232+39.40 XO
Y = 505,762.6406
X = 895,966.3537
PT STA = 240+16.91 XO
Y = 505,142.9324
X = 896,433.8679
SE = 3.8%



TRE
PI STA = 199+42.84 TRE
Y = 508,162.4997
X = 893,695.4791

TRE
PI STA = 217+73.44 TRE
Y = 506,825.6232
X = 894,946.0142

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	ALIGNMENT DIAGRAM - STAGE 3	SHEET 241	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\027203_AD STAGE 3.DWG
LAYOUT NAME - 027201_2
PLOT DATE : 11/1/2021 1:10 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

Estimate Of Quantities

1022-00-79

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	120.000	120.000
0004	201.0205	Grubbing	STA	120.000	120.000
0006	203.0100	Removing Small Pipe Culverts	EACH	5.000	5.000
0008	204.0100	Removing Concrete Pavement	SY	105,700.000	105,700.000
0010	204.0110	Removing Asphaltic Surface	SY	16,000.000	16,000.000
0012	204.0115	Removing Asphaltic Surface Butt Joints	SY	300.000	300.000
0014	204.0120	Removing Asphaltic Surface Milling	SY	4,000.000	4,000.000
0016	204.0150	Removing Curb & Gutter	LF	775.000	775.000
0018	204.0155	Removing Concrete Sidewalk	SY	225.000	225.000
0020	204.0170	Removing Fence	LF	1,160.000	1,160.000
0022	204.0180	Removing Delineators and Markers	EACH	210.000	210.000
0024	204.0195	Removing Concrete Bases	EACH	7.000	7.000
0026	204.0220	Removing Inlets	EACH	1.000	1.000
0028	204.0245	Removing Storm Sewer (size) 001. 15-Inch	LF	73.000	73.000
0030	204.9060.S	Removing (item description) 001. Removing Masonry Endwalls	EACH	2.000	2.000
0032	204.9060.S	Removing (item description) 002. Removing Apron Endwall	EACH	20.000	20.000
0034	205.0100	Excavation Common	CY	260,000.000	260,000.000
0036	205.3000.S	Temporary Emergency Pullouts	EACH	3.000	3.000
0038	208.1100	Select Borrow	CY	68,000.000	68,000.000
0040	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	6.000	6.000
0042	213.0100	Finishing Roadway (project) 001. 1022-00-79	EACH	1.000	1.000
0044	305.0110	Base Aggregate Dense 3/4-Inch	TON	7,700.000	7,700.000
0046	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	182,000.000	182,000.000
0048	415.0100	Concrete Pavement 10-Inch	SY	6,990.000	6,990.000
0050	415.0210	Concrete Pavement Gaps	EACH	2.000	2.000
0052	416.0610	Drilled Tie Bars	EACH	400.000	400.000
0054	416.0620	Drilled Dowel Bars	EACH	115.000	115.000
0056	416.1015	Concrete Surface Drains HES	CY	3.000	3.000
0058	416.1110	Concrete Shoulder Rumble Strips	LF	34,533.000	34,533.000
0060	450.4000	HMA Cold Weather Paving	TON	9,100.000	9,100.000
0062	455.0605	Tack Coat	GAL	5,500.000	5,500.000
0064	460.2000	Incentive Density HMA Pavement	DOL	10,300.000	10,300.000
0066	460.6244	HMA Pavement 4 MT 58-34 S	TON	13,300.000	13,300.000
0068	460.7644	HMA Pavement 4 HT 58-34 V	TON	2,800.000	2,800.000
0070	465.0125	Asphaltic Surface Temporary	TON	35,000.000	35,000.000
0072	465.0310	Asphaltic Curb	LF	330.000	330.000
0074	465.0315	Asphaltic Flumes	SY	27.000	27.000
0076	465.0400	Asphaltic Shoulder Rumble Strips	LF	41,130.000	41,130.000
0078	509.0301	Preparation Decks Type 1	SY	1.000	1.000
0080	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	10.000	10.000
0082	509.5100.S	Polymer Overlay	SY	2,022.000	2,022.000
0084	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	1.000	1.000
0086	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	2.000	2.000
0088	520.2015	Culvert Pipe Temporary 15-Inch	LF	1,212.000	1,212.000
0090	520.2018	Culvert Pipe Temporary 18-Inch	LF	307.000	307.000
0092	520.2024	Culvert Pipe Temporary 24-Inch	LF	18.000	18.000
0094	520.2030	Culvert Pipe Temporary 30-Inch	LF	28.000	28.000
0096	520.2036	Culvert Pipe Temporary 36-Inch	LF	100.000	100.000
0098	520.2042	Culvert Pipe Temporary 42-Inch	LF	30.000	30.000

1022-00-79

Line	Item	Item Description	Unit	Total	Qty
0100	520.2048	Culvert Pipe Temporary 48-Inch	LF	60.000	60.000
0102	520.2072	Culvert Pipe Temporary 72-Inch	LF	156.000	156.000
0104	520.8000	Concrete Collars for Pipe	EACH	63.000	63.000
0106	520.8700	Cleaning Culvert Pipes	EACH	16.000	16.000
0108	521.0336	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 36-Inch 4 to 1	EACH	1.000	1.000
0110	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	2.000	2.000
0112	521.1524	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 6 to 1	EACH	1.000	1.000
0114	521.1709	Apron Endwalls for Pipe Arch Sloped Side Drains Steel 42x29-Inch 4 to 1	EACH	1.000	1.000
0116	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	160.000	160.000
0118	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	87.000	87.000
0120	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	111.000	111.000
0122	522.0142	Culvert Pipe Reinforced Concrete Class III 42-Inch	LF	18.000	18.000
0124	522.0148	Culvert Pipe Reinforced Concrete Class III 48-Inch	LF	62.000	62.000
0126	522.0160	Culvert Pipe Reinforced Concrete Class III 60-Inch	LF	50.000	50.000
0128	522.0172	Culvert Pipe Reinforced Concrete Class III 72-Inch	LF	6.000	6.000
0130	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	170.000	170.000
0132	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	8.000	8.000
0134	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0136	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	7.000	7.000
0138	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	2.000	2.000
0140	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	2.000	2.000
0142	522.1060	Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	EACH	1.000	1.000
0144	522.1072	Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch	EACH	2.000	2.000
0146	522.2429	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	163.000	163.000
0148	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	1.000	1.000
0150	524.0130	Culvert Pipe Salvaged 30-Inch	LF	8.000	8.000
0152	524.0136	Culvert Pipe Salvaged 36-Inch	LF	24.000	24.000
0154	524.0148	Culvert Pipe Salvaged 48-Inch	LF	36.000	36.000
0156	524.0624	Apron Endwalls for Culvert Pipe Salvaged 24-Inch	EACH	2.000	2.000
0158	524.0630	Apron Endwalls for Culvert Pipe Salvaged 30-Inch	EACH	8.000	8.000
0160	524.0636	Apron Endwalls for Culvert Pipe Salvaged 36-Inch	EACH	4.000	4.000
0162	524.0642	Apron Endwalls for Culvert Pipe Salvaged 42-Inch	EACH	1.000	1.000
0164	524.0648	Apron Endwalls for Culvert Pipe Salvaged 48-Inch	EACH	9.000	9.000
0166	531.1100	Concrete Masonry Ancillary Structures Type NS	CY	3.000	3.000
0168	531.1140	Steel Reinforcement HS Ancillary Structures Type NS	LB	453.000	453.000
0170	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	920.000	920.000
0172	602.0410	Concrete Sidewalk 5-Inch	SF	2,075.000	2,075.000
0174	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	30.000	30.000
0176	603.8000	Concrete Barrier Temporary Precast Delivered	LF	63,886.500	63,886.500
0178	603.8125	Concrete Barrier Temporary Precast Installed	LF	127,824.000	127,824.000
0180	603.8500	Anchoring Concrete Barrier Temporary Precast	LF	2,000.000	2,000.000
0182	606.0200	Riprap Medium	CY	700.000	700.000
0184	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	23.000	23.000
0186	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	14.000	14.000
0188	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	42.000	42.000
0190	611.0430	Reconstructing Inlets	EACH	2.000	2.000
0192	611.0530	Manhole Covers Type J	EACH	2.000	2.000
0194	611.0624	Inlet Covers Type H	EACH	1.000	1.000
0196	611.0642	Inlet Covers Type MS	EACH	2.000	2.000

1022-00-79

Line	Item	Item Description	Unit	Total	Qty
0198	611.3230	Inlets 2x3-FT	EACH	3.000	3.000
0200	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0202	611.8120.S	Cover Plates Temporary	EACH	7.000	7.000
0204	611.9710	Salvaged Inlet Covers	EACH	2.000	2.000
0206	611.9800.S	Pipe Grates 001. (30-Inch)	EACH	4.000	4.000
0208	612.0212	Pipe Underdrain Unperforated 12-Inch	LF	52.000	52.000
0210	614.0220	Steel Thrie Beam Bullnose Terminal	EACH	2.000	2.000
0212	614.0230	Steel Thrie Beam	LF	250.000	250.000
0214	614.0905	Crash Cushions Temporary	EACH	25.000	25.000
0216	614.0920	Salvaged Rail	LF	2,099.000	2,099.000
0218	614.1000	MGS Guardrail Temporary	LF	175.000	175.000
0220	614.1200	MGS Guardrail Temporary Terminal EAT	EACH	1.000	1.000
0222	614.2300	MGS Guardrail 3	LF	1,687.500	1,687.500
0224	614.2500	MGS Thrie Beam Transition	LF	118.200	118.200
0226	614.2610	MGS Guardrail Terminal EAT	EACH	5.000	5.000
0228	614.2620	MGS Guardrail Terminal Type 2	EACH	3.000	3.000
0230	616.0100	Fence Woven Wire (height) 001. 4-FT	LF	1,160.000	1,160.000
0232	618.0100	Maintenance And Repair of Haul Roads (project) 001. 1022-00-79	EACH	1.000	1.000
0234	619.1000	Mobilization	EACH	1.000	1.000
0236	620.0200	Concrete Median Blunt Nose	SF	35.000	35.000
0238	620.0300	Concrete Median Sloped Nose	SF	90.000	90.000
0240	624.0100	Water	MGAL	3,400.000	3,400.000
0242	625.0500	Salvaged Topsoil	SY	195,800.000	195,800.000
0244	627.0200	Mulching	SY	20,000.000	20,000.000
0246	628.1504	Silt Fence	LF	49,370.000	49,370.000
0248	628.1520	Silt Fence Maintenance	LF	98,910.000	98,910.000
0250	628.1905	Mobilizations Erosion Control	EACH	25.000	25.000
0252	628.1910	Mobilizations Emergency Erosion Control	EACH	20.000	20.000
0254	628.2002	Erosion Mat Class I Type A	SY	158,800.000	158,800.000
0256	628.2023	Erosion Mat Class II Type B	SY	45,900.000	45,900.000
0258	628.5505	Polyethylene Sheeting	SY	1,500.000	1,500.000
0260	628.7020	Inlet Protection Type D	EACH	13.000	13.000
0262	628.7504	Temporary Ditch Checks	LF	5,870.000	5,870.000
0264	628.7555	Culvert Pipe Checks	EACH	391.000	391.000
0266	628.7560	Tracking Pads	EACH	41.000	41.000
0268	629.0210	Fertilizer Type B	CWT	400.000	400.000
0270	630.0120	Seeding Mixture No. 20	LB	5,900.000	5,900.000
0272	630.0130	Seeding Mixture No. 30	LB	1,700.000	1,700.000
0274	630.0140	Seeding Mixture No. 40	LB	100.000	100.000
0276	630.0200	Seeding Temporary	LB	7,600.000	7,600.000
0278	630.0300	Seeding Borrow Pit	LB	500.000	500.000
0280	630.0500	Seed Water	MGAL	350.000	350.000
0282	633.0100	Delineator Posts Steel	EACH	133.000	133.000
0284	633.0500	Delineator Reflectors	EACH	133.000	133.000
0286	633.1100	Delineators Temporary	EACH	298.000	298.000
0288	633.5200	Markers Culvert End	EACH	58.000	58.000
0290	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	9.000	9.000
0292	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	4.000	4.000
0294	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	24.000	24.000

1022-00-79

Line	Item	Item Description	Unit	Total	Qty
0296	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	30.000	30.000
0298	635.0200	Sign Supports Structural Steel HS	LB	1,788.000	1,788.000
0300	637.1220	Signs Type I Reflective SH	SF	165.000	165.000
0302	637.2210	Signs Type II Reflective H	SF	604.000	604.000
0304	637.2215	Signs Type II Reflective H Folding	SF	104.440	104.440
0306	637.2230	Signs Type II Reflective F	SF	78.000	78.000
0308	638.2102	Moving Signs Type II	EACH	81.000	81.000
0310	638.2601	Removing Signs Type I	EACH	1.000	1.000
0312	638.2602	Removing Signs Type II	EACH	52.000	52.000
0314	638.3000	Removing Small Sign Supports	EACH	62.000	62.000
0316	638.3100	Removing Structural Steel Sign Supports	EACH	2.000	2.000
0318	638.4000	Moving Small Sign Supports	EACH	110.000	110.000
0320	642.5001	Field Office Type B	EACH	1.000	1.000
0322	643.0300	Traffic Control Drums	DAY	206,000.000	206,000.000
0324	643.0410	Traffic Control Barricades Type II	DAY	180.000	180.000
0326	643.0420	Traffic Control Barricades Type III	DAY	16,000.000	16,000.000
0328	643.0705	Traffic Control Warning Lights Type A	DAY	30,500.000	30,500.000
0330	643.0715	Traffic Control Warning Lights Type C	DAY	23,500.000	23,500.000
0332	643.0800	Traffic Control Arrow Boards	DAY	1,500.000	1,500.000
0334	643.0900	Traffic Control Signs	DAY	41,000.000	41,000.000
0336	643.0910	Traffic Control Covering Signs Type I	EACH	8.000	8.000
0338	643.0920	Traffic Control Covering Signs Type II	EACH	7.000	7.000
0340	643.1000	Traffic Control Signs Fixed Message	SF	211.000	211.000
0342	643.1050	Traffic Control Signs PCMS	DAY	112.000	112.000
0344	643.1205.S	Basic Traffic Queue Warning System	DAY	520.000	520.000
0346	643.4100.S	Traffic Control Interim Lane Closure	EACH	520.000	520.000
0348	643.5000	Traffic Control	EACH	1.000	1.000
0350	644.1420	Temporary Pedestrian Surface Plywood	SF	16.000	16.000
0352	644.1601	Temporary Pedestrian Curb Ramp	DAY	50.000	50.000
0354	644.1810	Temporary Pedestrian Barricade	LF	425.000	425.000
0356	645.0120	Geotextile Type HR	SY	1,800.000	1,800.000
0358	646.1020	Marking Line Epoxy 4-Inch	LF	2,600.000	2,600.000
0360	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	82,680.000	82,680.000
0362	646.1555	Marking Line Grooved Contrast Permanent Tape 4-Inch	LF	10,130.000	10,130.000
0364	646.3020	Marking Line Epoxy 8-Inch	LF	890.000	890.000
0366	646.3555	Marking Line Grooved Contrast Permanent Tape 8-Inch	LF	3,720.000	3,720.000
0368	646.5020	Marking Arrow Epoxy	EACH	4.000	4.000
0370	646.5120	Marking Word Epoxy	EACH	2.000	2.000
0372	646.6120	Marking Stop Line Epoxy 18-Inch	LF	40.000	40.000
0374	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	18.000	18.000
0376	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	150.000	150.000
0378	646.8120	Marking Curb Epoxy	LF	30.000	30.000
0380	646.8220	Marking Island Nose Epoxy	EACH	1.000	1.000
0382	646.9000	Marking Removal Line 4-Inch	LF	18,566.000	18,566.000
0384	646.9100	Marking Removal Line 8-Inch	LF	1,670.000	1,670.000
0386	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	105,400.000	105,400.000
0388	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	75,073.000	75,073.000
0390	649.0220	Temporary Marking Line Epoxy 8-Inch	LF	4,538.000	4,538.000
0392	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	3,535.000	3,535.000

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Line	Item	Item Description	Unit	Total	Qty
0394	649.0770	Temporary Marking Raised Pavement Marker Type II	EACH	269.000	269.000
0396	650.4000	Construction Staking Storm Sewer	EACH	13.000	13.000
0398	650.4500	Construction Staking Subgrade	LF	77,900.000	77,900.000
0400	650.5000	Construction Staking Base	LF	35,956.000	35,956.000
0402	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	920.000	920.000
0404	650.6000	Construction Staking Pipe Culverts	EACH	70.000	70.000
0406	650.7000	Construction Staking Concrete Pavement	LF	40,220.000	40,220.000
0408	650.8500	Construction Staking Electrical Installations (project) 001. 1022-00-79	LS	1.000	1.000
0410	650.9000	Construction Staking Curb Ramps	EACH	3.000	3.000
0412	650.9910	Construction Staking Supplemental Control (project) 001. 1022-00-79	LS	1.000	1.000
0414	650.9920	Construction Staking Slope Stakes	LF	77,900.000	77,900.000
0416	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	592.000	592.000
0418	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	281.000	281.000
0420	652.0700.S	Install Conduit into Existing Item	EACH	2.000	2.000
0422	653.0140	Pull Boxes Steel 24x42-Inch	EACH	2.000	2.000
0424	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	4.000	4.000
0426	653.0900	Adjusting Pull Boxes	EACH	1.000	1.000
0428	653.0905	Removing Pull Boxes	EACH	2.000	2.000
0430	654.0101	Concrete Bases Type 1	EACH	3.000	3.000
0432	654.0102	Concrete Bases Type 2	EACH	3.000	3.000
0434	654.0105	Concrete Bases Type 5	EACH	4.000	4.000
0436	654.1239	Concrete Control Cabinet Bases ITS	EACH	2.000	2.000
0438	655.0230	Cable Traffic Signal 5-14 AWG	LF	220.000	220.000
0440	655.0240	Cable Traffic Signal 7-14 AWG	LF	1,958.000	1,958.000
0442	655.0250	Cable Traffic Signal 9-14 AWG	LF	828.000	828.000
0444	655.0305	Cable Type UF 2-12 AWG Grounded	LF	493.000	493.000
0446	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,189.000	1,189.000
0448	655.0610	Electrical Wire Lighting 12 AWG	LF	1,327.000	1,327.000
0450	655.0900	Traffic Signal EVP Detector Cable	LF	1,867.000	1,867.000
0452	656.0200	Electrical Service Meter Breaker Pedestal (location) 001. (CB100)	LS	1.000	1.000
0454	656.0200	Electrical Service Meter Breaker Pedestal (location) 002. (CB200)	LS	1.000	1.000
0456	656.0500	Electrical Service Breaker Disconnect Box (location) 001. (CB100)	LS	1.000	1.000
0458	656.0500	Electrical Service Breaker Disconnect Box (location) 002. (CB200)	LS	1.000	1.000
0460	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	5.000	5.000
0462	657.0305	Poles Type 2	EACH	1.000	1.000
0464	657.0322	Poles Type 5-Aluminum	EACH	1.000	1.000
0466	657.0585	Trombone Arms 15-FT	EACH	1.000	1.000
0468	657.0615	Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT	EACH	1.000	1.000
0470	658.0173	Traffic Signal Face 3S 12-Inch	EACH	1.000	1.000
0472	658.0416	Pedestrian Signal Face 16-Inch	EACH	1.000	1.000
0474	658.0500	Pedestrian Push Buttons	EACH	1.000	1.000
0476	661.0200	Temporary Traffic Signals for Intersections (location) 001. USH 10 & IH 94 Eastbound Ramps	LS	1.000	1.000
0478	662.1024.S	Ramp Closure Gates 24-FT	EACH	2.000	2.000
0480	662.1030.S	Ramp Closure Gates 30-FT	EACH	1.000	1.000
0482	674.0300	Remove Cable	LF	3,428.000	3,428.000
0484	678.0006	Install Fiber Optic Cable Outdoor Plant 6-CT	LF	1,419.000	1,419.000
0486	690.0150	Sawing Asphalt	LF	42,850.000	42,850.000
0488	690.0250	Sawing Concrete	LF	3,000.000	3,000.000

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Line	Item	Item Description	Unit	Total	Qty
0490	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	33,750.000	33,750.000
0492	740.0440	Incentive IRI Ride	DOL	28,603.000	28,603.000
0494	SPV.0035	Special 001. Rapid Set Deck Repair	CY	1.000	1.000
0496	SPV.0060	Special 001. Traffic Control, One Sided Vertical Panels	EACH	30.000	30.000
0498	SPV.0060	Special 002. Reconstruct Median Inlet Special	EACH	4.000	4.000
0500	SPV.0060	Special 003. Manholes Special 4-FT Diameter Temporary	EACH	5.000	5.000
0502	SPV.0060	Special 004. Temporary Inlets Median 1 Grate	EACH	7.000	7.000
0504	SPV.0060	Special 005. Temporary Concrete Pipe Collar	EACH	11.000	11.000
0506	SPV.0060	Special 006. Salvage & Reinstall Traffic Signal Equipment USH 10 & IH 94 Eastbound Ramps	EACH	1.000	1.000
0508	SPV.0060	Special 007. Salvage & Reinstall Traffic Signal Equipment USH 10 & IH 94 Westbound Ramps	EACH	1.000	1.000
0510	SPV.0060	Special 009. Salvage & Reinstall Ramp Closure Gates USH 10 & IH 94 Eastbound Ramps	EACH	1.000	1.000
0512	SPV.0060	Special 010. State Furnished EVP Detector Heads USH 10 & IH 94 Eastbound Ramps	EACH	1.000	1.000
0514	SPV.0060	Special 011. State Furnished EVP Detector Heads USH 10 & IH 94 Westbound Ramps	EACH	1.000	1.000
0516	SPV.0060	Special 012. State Furnished ITS Control Cabinet (CB100)	EACH	1.000	1.000
0518	SPV.0060	Special 013. State Furnished ITS Control Cabinet (CB200)	EACH	1.000	1.000
0520	SPV.0090	Special 001. Fill Existing Rumble Strips	LF	7,000.000	7,000.000
0522	SPV.0165	Special 001. Temporary Wall Wire Faced Mechanically Stabilized Earth	SF	675.000	675.000
0524	SPV.0180	Special 001. Concrete Pavement 12-inch Special	SY	105,500.000	105,500.000

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EARTHWORK

CATEGORY	STAGE	DIVISION	LOCATION	STATION - STATION	205.0100 Excavation Common (1) Cut (2) (CY)	205.0100 Excavation Common (1) EBS Excavation (3) (CY)	Salvaged/ Unusable Pavement Material (4)	Available Material (5)	Reduced EBS in Fill (6) Factor 0.80	Expanded EBS Backfill (9) Factor 1.15	Unexpanded Fill	Expanded Fill (7) Factor 1.15	Mass Ordinate +/- (8)	Waste	208.1100 Select Borrow (CY)
0010	1	A	NWA TEMPORARY RAMP	63+00 NWA - 64+56 NWA	110	6	110	---	4	6	6	1	-1	---	8
		A	SWA TEMPORARY RAMP	70+00 SWA - 75+00 SWA	110	5	---	110	4	6	1,400	1,605	-1,496	---	1,502
		Subtotal 1A			220	11	110	110	9	13	1,406	1,607	-1,497	---	1,510
		B	IH 94 WB TEMPORARY (TR-LINE)	40+00 TR - 237+00 TR	34,876	1,744	---	34,876	1,395	2005	68,077	76,684	-41,808	---	43,813
		B	IH 94 WB TEMPORARY (XO-LINE)	219+33XO - 226+00 XO	256	13	---	256	10	15	1,096	1,248	-992	---	1,007
		Subtotal 1B			35,133	1,757	--	35,133	1,405	2,020	69,172	77,932	-42,800	--	44,820
		Stage 1 Total			35,353	1,768	110	35,242	1,414	2,033	70,578	79,539	-44,297	--	46,329
	2	A	IH 94 EB + 6' WIDENING	49+64 EB - 61+00 EB	3,297	165	755	2,542	132	190	84	-56	2,598	2,598	190
		A	IH 94 EB + 6' WIDENING	82+00 EB - 232+00 EB	52,701	2,635	10,000	42,701	2,108	3,030	903	-1,385	44,086	44,086	3,030
		A	SW RAMP	93+00 SW - 96+00 SW	2,936	---	--	2,936	--	--	487	560	2,376	2,376	--
		A	SWB TEMPORARY RAMP	93+00 SWB - 96+00 SWB	244	---	--	244	--	--	239	275	-31	--	31
		A	MAINTANENCE CROSSOVER 104+35	10+00 - 10+91	442	22	--	442	18	25	32	17	425	425	25
		A	MAINTANENCE CROSSOVER 182+00	30+00 - 31+48	144	7	--	144	6	8	1,770	2,029	-1,885	--	1,893
		Subtotal 2A			59,763	2829	10,755	49,008	2,263	3,254	3,515	1,439	47,569	47,569	5,169
		B	IH 94 EB + 6' WIDENING	60+96 EB - 82+00 EB	6,587	329	1,403	5,184	263	379	52	-243	5,427	5,427	379
		B	REMOVE SWA RAMP	70+00 SWA - 75+50 SWA	1,447	---	--	1,447	--	--	--	--	1,447	1,447	--
		Subtotal 2B			8,033	329	1,403	6,631	263	379	52	-243	6,874	6,874	379
		C1	IH 94 EB	232+00 EB - 237+00 EB	1,775	35	259	1,516	28	41	64	41	1,475	1475	41
		C1	IH 94 WB TEMPORARY (XO-LINE)	225+65 XO - 230+53 XO	179	9	---	179	7	10	1,201	1,373	-1,194	---	1,204
		C1	IH 94 WB	230+50 WB - 239+59 WB	1,482	74	471	1,011	59	85	1607	1,779	-769	---	854
		Subtotal 2C1			3,436	118	731	2,705	358	136	2,871	3,193	-488	1,475	2,099
		C2	IH 94 EB	232+00 EB - 237+00 EB	13	35	259	0	28	41	226	228	-228	---	268
		C2	IH 94 WB	230+50 WB - 239+59 WB	1,223	61	471	751	49	70	200	173	578	578	70
		Subtotal 2C2			1,235	97	731	751	77	111	426	401	351	578	339
		Stage 2 Total			72,468	3,374	13,619	59,096	2,962	3,880	6,864	4,790	54,306	56,496	7,985

TABLE NOTES LEGEND:
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division. Positive quantity indicates an excess of material, negative indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

EARTHWORK

CATEGORY	STAGE	DIVISION	LOCATION	STATION - STATION	205.0100 Excavation Common (1) Cut (2) (CY)	205.0100 Excavation Common (1) EBS Excavation (3) (CY)	Salvaged/ Unusable Pavement Material (4)	Available Material (5)	Reduced EBS in Fill (6) Factor 0.80	Expanded EBS Backfill (9) Factor 1.15	Unexpanded Fill	Expanded Fill (7) Factor 1.15	Mass Ordinate +/- (8)	Waste	208.1100 Select Borrow (CY)
0010	3	AP1	IH 94 EB TEMPORARY	48+01 TRE - 95+92 TRE	9,763	488	--	9,763	391	561	1,251	990	8,773	8,773	561
		AP1	NEA RAMP TEMPORARY	705+32 NEA - 711+00 NEA	151	15	--	151	12	17	1,141	1,298	-1,147	--	1,164
		Subtotal 3AP1			9,914	503	--	9,914	403	579	2,392	2,287	7,627	7,627	1,725
		AP2	SEA RAMP TEMPORARY	99+00 SEA - 107+72 SEA	1,961	215	--	1,961	172	247	1,196	1,177	783	783	247
		Subtotal 3AP2			1,961	215	--	1,961	172	247	1,196	1,177	783	783	247
		B	IH 94 WB	49+36WB - 65+00 WB	4,886	244	1,043	3,843	195	281	102	--	3,843	3,843	281
				85+70 WB - 230+50 WB	52,058	2,603	9,654	42,404	2,082	2,993	301	--	42,404	42,404	2,993
		B	NE RAMP	100+72 NE - 109+50 NE	1,733	260	366	1,368	208	299	365	180	1,188	1,188	299
			NE RAMP TAPER AT US 10	112+91 NE - 115+00 NE	201	10	10	191	8	12	66	66	124	124	12
		B	SE RAMP	129+32 SE - 133+17 SE	709	35	161	548	28	41	0	-33	581	581	41
		B	SW RAMP TAPER AT US 10	76+50 SW - 78+84 SW	160	8	10	150	6	9	469	532	-381	--	391
		B	SEB RAMP TEMPORARY	132+35 SEB - 136+35 SEB	71	---	--	71	--	--	135	155	-84	--	84
		B	USH 10 EB	23+52 E- 27+00 E	437	22	17	421	17	25	1,320	1,498	-1,078	--	1,103
		B	USH 10 WB	34+00 W - 37+32 W	243	12	16	227	10	14	202	221	6	6	14
		Subtotal 3B			60,498	3,195	11,275	49,222	2,556	3,674	2,959	464	46,603	48,145	5,217
		C	IH 94 WB	65+00 WB - 85+70 WB	6,210	311	1,380	4,831	248	357	145	--	4,831	4,831	357
		C	REMOVE SEA RAMP TEMP	99+00 SEA - 104+83 SEA	1,208	---	--	1,208	--	--	--	--	1,208	1,208	--
		C	REMOVE NEA RAMP TEMP	705+32 NEA - 711+00 NEA	2,246	---	--	2,246	--	--	--	--	2,246	2,246	--
		Subtotal 3C			9,664	311	1,380	8,285	248	357	145	-118	8,285	8,285	357
		Stage 3 Total			82,037	4,223	12,655	69,382	3,379	4,857	6,692	3,810	63,297	64,840	7,546
	4	A	IH 94 WB + TR REMOVAL	40+75 WB - 230+50 WB	44,525	745	9,488	35,038	596	856	504	-105	35,143	35,143	856
				230+50 WB - 239+59 WB	662	---	--	662	--	--	--	--	662	662	--
		A	IH 94 EB	40+00 EB - 100+05 EB	6,793	340	315	6,478	272	391	16	-295	6,772	6,772	391
				230+00 EB - 236+00 EB	2,333	---	--	2,333	--	--	--	--	2,333	2,333	--
		A	MAINTANENCE CROSSOVER STA 104+35	10+91 - 11+79	799	40	--	799	32	46	89	66	734	734	46
		A	MAINTANENCE CROSSOVER STA 182+00	31+48 - 32+95	608	30	--	608	24	35	240	248	360	360	35
		Subtotal 4			55,720	1,155	9,803	45,917	924	1,328	849	-86	46,003	46,003	1,328
				PROJECT 1022-00-79 TOTALS	245,577	10,519	36,187	209,637	8,679	12,097	84,983	88,053	119,310	167,340	63,189
				UNDISTRIBUTED		3,903									4,811
				205.0100 Total Excavation Common	**260,000**										68,000

TABLE NOTES LEGEND:
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division. Positive quantity indicates an excess of material, negative indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

CLEARING AND GRUBBING

CATEGORY	STAGE	LOCATION	OFFSET	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
0010					
	STAGE 1B				
		IH 94 TEMP ROAD			
		101+00 TR - 103+00 TR	RT	2	2
		104+00 TR - 110+00 TR	RT	6	6
		117+00 TR - 120+00 TR	RT	3	3
		121+00 TR - 140+00 TR	RT	19	19
		141+00 TR - 144+00 TR	RT	3	3
		147+00 TR - 166+00 TR	RT	19	19
		166+00 TR - 177+00 TR	RT	11	11
		180+00 TR - 181+00 TR	RT	1	1
		182+00 TR - 184+00 TR	RT	2	2
		190+00 TR - 194+00 TR	RT	4	4
		195+00 TR - 197+00 TR	RT	2	2
		197+00 TR - 224+00 TR	RT	27	27
		229+00 TR - 231+00 TR	RT	2	2
	STAGE 1B SUBTOTAL			101	101
	STAGE 2A				
		IH 94 (EASTBOUND)			
		148+00 EB - 149+00 EB	LT	1	1
		155+00 EB - 158+00 EB	LT	3	3
		181+00 EB - 183+00 EB	LT	2	2
	STAGE 2A SUBTOTAL			6	6
	STAGE 2C, PHASE 2				
		IH 94 (WESTBOUND)			
		236+00 WB - 242+00 WB	RT	6	6
	STAGE 2C, PHASE 2 SUBTOTAL			6	6
	STAGE 3B				
		IH 94 (WESTBOUND)			
		104+00 WB - 105+00 WB	LT	1	1
		116+00 WB - 120+00 WB	LT	4	4
		120+00 WB - 121+00 WB	LT	1	1
		205+00 WB - 206+00 WB	LT	1	1
	STAGE 3B SUBTOTAL			7	7
PROJECT 1022-00-79 TOTALS				**120**	**120**

REMOVING SMALL PIPE CULVERTS

CATEGORY	STAGE	LOCATION	OFFSET	203.0100 (EACH)	SIZE/TYPE	NOTES
0010						
	STAGE 1B					
		IH 94 (WESTBOUND)				
		99+90 WB	RT	1	29" X 45"	89 LF METAL PIPE ARCH
	STAGE 1B SUBTOTAL			1		
	STAGE 2A					
		IH 94 (EASTBOUND)				
		53+15 EB	RT	1	29" X 45"	89 LF METAL PIPE ARCH
		66+95 EB	RT	1	18-INCH	63 LF CMCP
	STAGE 2A SUBTOTAL			2		
	STAGE 2B					
		IH 94 (EASTBOUND)				
		80+05 EB	RT	1	18-INCH	51 LF CMCP
	STAGE 2B SUBTOTAL			1		
	STAGE 3B					
		IH 94 (WESTBOUND)				
		52+95 WB	LT	1	29" X 45"	76 LF CMCP
	STAGE 3B SUBTOTAL			1		
PROJECT 1022-00-79 TOTALS				**5**		

REMOVING FENCE

CATEGORY	STAGE	LOCATION	204.0170 (LF)
0010			
	STAGE 2A		
		IH 94 (EASTBOUND)	
		201+17 EB - 224+87 EB	253
	STAGE 2A SUBTOTAL		253
	STAGE 3B		
		IH 94 (WESTBOUND)	
		110+12 WB - 110+47 WB	35
		141+33 WB - 143+23 WB	191
		218+70 WB - 222+00 WB	330
		USH 10 (EASTBOUND)	
		25+97 E - 26+46 E	64
		USH 10 (WESTBOUND)	
		34+41 W - 34+97 W	73
	STAGE 3B SUBTOTAL		693
	UNDISTRIBUTED		214
PROJECT 1022-00-79 TOTALS			**1,160**

REMOVING CURB & GUTTER

CATEGORY	STAGE	LOCATION	204.0150 (LF)
0010			
	STAGE 3B		
		USH 10 (EASTBOUND)	
		23+69 E - 27+66 E	401
		USH 10 (WESTBOUND)	
		33+64 W - 37+31 W	374
	STAGE 3B SUBTOTAL		775
PROJECT 1022-00-79 TOTALS			**775**

REMOVING CONCRETE SIDEWALK

CATEGORY	STAGE	LOCATION	204.0155 (SY)
0010			
	STAGE 3B		
		USH 10 (EASTBOUND)	
		23+51 E - 27+63 E	225
	STAGE 3B SUBTOTAL		225
PROJECT 1022-00-79 TOTALS			**225**

REMOVING INLETS

CATEGORY	LOCATION	OFFSET	204.0220 (EACH)
0010			
	IH 94 (WESTBOUND)		
	53+00 WB	RT	1
PROJECT 1022-00-79 TOTALS			**1**

REMOVING CONCRETE PAVEMENT

CATEGORY	STAGE	LOCATION	204.0100 (SY)
0010			
	STAGE 2A		
		IH 94 (EASTBOUND)	
		49+05 EB - 61+00 EB	3,491
		82+00 EB - 232+00 EB	39,871
		SW RAMP (EB ON-RAMP)	
		81+92 SW - 94+00 SW	1,826
	STAGE 2A SUBTOTAL		45,188
	STAGE 2B		
		IH 94 (EASTBOUND)	
		61+00 EB - 82+00 EB	5,480
	STAGE 2B SUBTOTAL		5,480
	STAGE 2C, PHASE 1		
		IH 94 (WESTBOUND)	
		230+50 WB - 239+60 WB	1,213
		IH 94 (EASTBOUND)	
		232+00 EB - 237+00 EB	654
	STAGE 2C, PHASE 1 SUBTOTAL		1,867
	STAGE 2C, PHASE 2		
		IH 94 (WESTBOUND)	
		230+50 WB - 239+60 WB	1,213
		IH 94 (EASTBOUND)	
		232+00 EB - 237+00 EB	657
	STAGE 2C, PHASE 2 SUBTOTAL		1,870
	STAGE 3B		
		IH 94 (WESTBOUND)	
		49+36 WB - 66+50 WB	5,143
		85+67 WB - 230+50 WB	38,149
		NE RAMP (WB ON-RAMP)	
		100+00 NE - 109+50 NE	1,641
		SE RAMP (WB OFF-RAMP)	
		129+32 SE - 133+99 SE	751
		USH 10 (EASTBOUND)	
		23+69 E - 27+68 E	369
		USH 10 (WESTBOUND)	
		33+80 W - 37+32 W	127
	STAGE 3B SUBTOTAL		46,180
	STAGE 3C		
		IH 94 (WESTBOUND)	
		66+50 WB - 85+67 WB	5,115
	STAGE 3C SUBTOTAL		5,115
PROJECT 1022-00-79 TOTALS			**105,700**

REMOVING ASPHALTIC SURFACE

CAT	STAGE	LOCATION	204.0110 (SY)	204.0120 MILLING (SY)	REMARKS
0010					
	STAGE 1A				
		IH 94 WESTBOUND			
				--	
		45+50 WB - STA 58+20 WB	--	1,400	OUTSIDE SHLD
		66+20 WB - STA 89+10 WB	--	2,600	OUTSIDE SHLD
	STAGE 1A SUBTOTAL		0	4,000	
	STAGE 4A				
		IH 94 TEMP ROAD			
		99+50 TR - 137+50 TR	7,900	--	TEMPORARY ROAD
		143+50 TR - 155+00 TR	1,600	--	TEMPORARY ROAD
		168+50 TR - 180+00 TR	1,500	--	TEMPORARY ROAD
		181+25 TR - 202+00 TR	1,800	--	TEMPORARY ROAD
		220+51 TR - 232+22 TR	3,200	--	TEMPORARY ROAD
	STAGE 4A SUBTOTAL		16,000	0	
PROJECT 1022-00-79 TOTALS			**16,000**	**4,000**	

REMOVING STORM SEWER

CATEGORY	STAGE	LOCATION	OFFSET	204.0245 15-INCH (LF)
0010				
	STAGE 3B			
		USH 10		
		24+72 EB	RT	38
		35+02 WB	LT	35
	STAGE 3B SUBTOTAL			73
PROJECT 1022-00-79 TOTALS				**73**

APRON ENDWALL REMOVALS

CATEGORY	STAGE	LOCATION	OFFSET	204.9060.S.001 REMOVING MASONRY ENDWALLS (EACH)	204.9060.S.002 REMOVING APRON ENDWALL (EACH)	NOTES
0010						
	STAGE 1B					
		IH 94 (WESTBOUND)				
		99+90 WB	RT	1	1	60-INCH CONC
		107+03 WB	RT & LT	---	2	30-INCH CONC
		115+49 WB	RT	1	---	72-INCH PIPE
		153+49 WB	RT	---	1	30-INCH CONC
		153+55 WB	RT	---	1	30-INCH CONC
		163+18 WB	RT	---	1	48-INCH CONC
		163+25 WB	RT	---	1	48-INCH CONC
		168+82 WB	RT	---	1	30-INCH CONC
		208+80 WB	RT	---	1	30-INCH CONC
		216+31 WB	RT	---	1	42-INCH CONC
	STAGE 1B SUBTOTAL			2	10	
	STAGE 2A					
		IH 94 (EASTBOUND)				
		80+05 EB	RT	---	1	18-INCH CONC
		85+72 EB	LT & RT	---	2	18-INCH CONC
		148+81 EB	RT	---	1	30-INCH CONC
		148+87 EB	RT	---	1	30-INCH CONC
	STAGE 2A SUBTOTAL			---	5	
	STAGE 2B					
		IH 94 (EASTBOUND)				
		67+50 EB		---	1	18-INCH CONC
		80+05 EB		---	1	18-INCH CONC
	STAGE 2B SUBTOTAL			---	2	
	STAGE 3B					
		IH 94 (WESTBOUND)				
		216+31 WB	LT	---	1	42-INCH CONC
		224+71 WB	LT	---	1	36-INCH CONC
	STAGE 3B SUBTOTAL			---	2	
	STAGE 4A					
		IH 94 (EASTBOUND)				
		80+05 EB	LT	---	1	18-INCH CONC
	STAGE 4A SUBTOTAL			---	1	
PROJECT 1022-00-79 TOTALS				**2**	**20**	

TEMPORARY EMERGENCY PULLOUTS

CATEGORY	LOCATION	OFFSET	205.3000.S (EACH)
0010			
	IH 94 TEMP ROAD		
	84+25 TR	RT	1
	133+33 TR	RT	1
	190+12 TR	RT	1
PROJECT 1022-00-79 TOTALS			**3**

PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

CATEGORY	STAGE	LOCATION	OFFSET	211.0400 (STA)
0010				
	STAGE 1A			
		IH 94 (WESTBOUND)		
		74+30 WB - 74+80 WB	LT	1
		76+80 WB - 81+00 WB	LT	5
	STAGE 1A SUBTOTAL			6
PROJECT 1022-00-79 TOTALS				**6**

BASE AGGREGATE DENSE

CATEGORY	STAGE	LOCATION	305.0110 3/4-INCH (TON)	305.0120 1 1/4-INCH (TON)
0010				
	STAGE 1A			
		IH 94 (WESTBOUND)		
		74+30 WB - 74+80 WB	5	5
		76+80 WB - 81+00 WB	15	30
		NWA TEMP RAMP		
		63+34 NWA - 65+55 NWA	72	164
		SWA TEMP RAMP		
		70+00 SWA - 75+50 SWA	110	802
	STAGE 1A SUBTOTAL		202	1,001
	STAGE 1B			
		IH 94 TEMP ROAD		
		38+54 TR - 230+50 TR	688	53,674
		IH 94 WB WIDENING		
		219+33 XO - 226+00 XO	10	1,556
	STAGE 1B SUBTOTAL		698	55,230
	STAGE 2A			
		IH 94 (EASTBOUND)		
		40+00 EB - 61+00 EB	116	3,190
		82+00 EB - 232+00 EB	1,306	41,676
		SW RAMP (EB ON-RAMP)		
		81+92 SW - 90+25 SW	114	1,722
	STAGE 2A SUBTOTAL		1,536	46,588
	STAGE 2B			
		IH 94 (EASTBOUND)		
		61+00 EB - 82+00 EB	36	4,060
		SWB TEMP RAMP		
		92+00 SWB - 95+42 SWB	19	416
	STAGE 2B SUBTOTAL		55	4,476
	STAGE 2C			
		IH 94 TEMP ROAD EB		
		48+00 TRE - 92+00 TRE	108	4,290
	STAGE 2C SUBTOTAL		108	4,290
	STAGE 2C, PHASE 1			
		IH 94 (EASTBOUND)		
		232+00 EB - 237+00 EB	40	1,034
		IH 94 (WESTBOUND)		
		230+50 WB - 240+00 WB	60	1,902
	STAGE 2C, PHASE 1 SUBTOTAL		40	2,936
	STAGE 2C, PHASE 2			
		IH 94 (EASTBOUND)		
		232+00 EB - 237+00 EB	45	1,050
		IH 94 (WESTBOUND)		
		230+50 WB - 240+00 WB	60	1,900
		IH 94 WB WIDENING		
		219+33 XO - 226+00 XO	24	2,840
	STAGE 2C, PHASE 2 SUBTOTAL		45	2,950
	STAGE 3A, PHASE 1			
		IH 94 TEMP ROAD EB		
		61+00 TRE - 96+50 TRE	74	6,638
		NEA TEMP RAMP		
		705+33 NEA - 710+66 NEA	36	724
	STAGE 3A, PHASE 1 SUBTOTAL		110	7,362
	STAGE 3A, PHASE 2			
		SEA TEMP RAMP		
		99+46 SEA - 104+88 SEA	40	906
		SEB TEMP RAMP		
		133+61 SEB - 136+25 SEB	16	374
	STAGE 3A, PHASE 2 SUBTOTAL		56	1,280
	STAGE 3B			
		IH 94 (WESTBOUND)		
		49+36 WB - 65+50 WB	188	4,400
		87+50 WB - 230+50 WB	610	39,366
		NE RAMP (WB ON-RAMP)		
		100+72 NE - 109+50 NE	94	1,646
		SE RAMP (WB OFF-RAMP)		
		129+32 SE - 133+63 SE	36	670
		USH 10 (EASTBOUND)		
		23+52 E - 27+00 E	118	650
		USH 10 (WESTBOUND)		
		34+00 W - 37+32 W	---	450
	STAGE 3B SUBTOTAL		1,046	47,182
	STAGE 3C			
		IH 94 (WESTBOUND)		
		66+50 WB - 87+50 WB	208	6,200
	STAGE 3C SUBTOTAL		208	6,200
	STAGE 4A			
		IH 94 (WESTBOUND)		
		41+00 WB - 47+50 WB	75	---
		87+50 WB - 240+00 WB	975	---
		IH 94 (EASTBOUND)		
		39+80 EB - 93+85 EB	650	---
		229+50 EB - 237+50 EB	150	---
		MAINTENANCE CROSSOVER		
		52+50	15	120
		104+25 MC2	20	170
		181+75 MC	30	300
	STAGE 4A SUBTOTAL		1,915	590
	UNDISTRIBUTED		1,681	1,915
	PROJECT 1022-00-79 TOTALS		**7,700**	**182,000**

CONCRETE PAVEMENT

CATEGORY	STAGE	STATION TO STATION	415.0100 CONCRETE PAVEMENT 10-INCH (SY)	SPV.0180.001 CONCRETE PAVEMENT 12-INCH SPEC. (SY)	415.0210 CONCRETE PAVEMENT GAPS (EACH)	416.0610 DRILLED TIE BARS (EACH)	416.0620 DRILLED DOWEL BARS (EACH)	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A (LF)	602.0410 CONCRETE SIDEWALK 5-INCH (SF)	602.0505 CURB RAMP DETECTABLE WARNING YELLOW (SF)	620.0200 CONCRETE MEDIAN BLUNT NOSE (SF)	620.0300 CONCRETE MEDIAN SLOPED NOSE (SF)
0010												
	STAGE 2A											
		IH 94 (EASTBOUND)										
		40+05 EB - 61+00 EB	---	3,453	1	---	26	---	---	---	---	---
		82+00 EB - 232+00 EB	---	43,345	---	---	---	---	---	---	---	---
		NW RAMP (EB OFF-RAMP)										
		60+00 NW - 61+69 NW	---	268	---	---	15	---	---	---	---	---
		SW RAMP (EB ON-RAMP)										
		81+92 SW - 94+00 SW	2,020	---	---	---	15	---	---	---	---	---
	STAGE 2A SUBTOTAL		2,020	47,066	1	---	56	---	---	---	---	---
	STAGE 2B											
		IH 94 (EASTBOUND)										
		61+00 EB - 82+00 EB	---	6,067	---	---	---	---	---	---	---	---
	STAGE 2B SUBTOTAL		---	6,067	---	---	---	---	---	---	---	---
	STAGE 3B											
		IH 94 (WESTBOUND)										
		49+36 WB - 66+50 WB	---	4,965	1	---	29	---	---	---	---	---
		85+68 WB - 230+50 WB	---	41,857	---	---	---	---	---	---	---	---
		SW RAMP (EB ON-RAMP)										
		76+00 SW - 78+49 SW	---	---	---	78	---	---	---	---	---	---
		NE RAMP (WB ON-RAMP)										
		100+00 NE - 109+50 NE	2,110	---	---	---	15	---	---	---	---	---
		112+93 NE - 115+24 NE	---	---	---	72	---	---	---	---	---	---
		SE RAMP (WB OFF-RAMP)										
		129+32 SE - 133+99 SE	965	---	---	---	15	---	---	---	---	---
		USH 10 (EASTBOUND)										
		23+51 E - 27+44 E	1,187	---	---	134	---	563	2,075	30	35	90
		USH 10 (WESTBOUND)										
		33+79 W - 37+32 W	709	---	---	116	---	357	---	---	---	---
	STAGE 3B SUBTOTAL		4,971	46,822	1	400	59	920	2,075	30	35	90
	STAGE 3C											
		IH 94 (WESTBOUND)										
		66+50 WB - 85+68 WB	---	5,545	---	---	---	---	---	---	---	---
	STAGE 3C SUBTOTAL		---	5,545	---	---	---	---	---	---	---	---
PROJECT 1022-00-79 TOTALS			6,990	105,500	2	400	115	920	2,075	30	35	90

3

CONCRETE SURFACE DRAIN

CATEGORY	STAGE	LOCATION	OFFSET	416.1015 CONCRETE SURFACE DRAINS HES (CY)	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH (EACH)	612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH (LF)
0010						
		IH 94 (WESTBOUND)				
		239+56 WB	RT	1	1	26
		IH 94 (EASTBOUND)				
		236+85 EB	RT	1	1	26
PROJECT 1022-00-79 TOTALS				**3**	**2**	**52**

SHOULDER RUMBLE STRIPS

CATEGORY	LOCATION	416.1110 CONCRETE (LF)	465.0400 ASPHALTIC (LF)
0010			
	IH 94 (WESTBOUND)		
	40+75 WB - 240+00 WB	17,063	20,874
	IH 94 (EASTBOUND)		
	40+00 EB - 237+50 EB	17,470	20,256
PROJECT 1022-00-79 TOTALS		**34,533**	**41,130**

TEMPORARY DRAINAGE STRUCTURES

CATEGORY	STAGE	LOCATION	OFFSET	SPV.0060.002 RECONSTRUCT MEDIAN INLET SPECIAL (EACH)	SPV.0060.003 MANHOLES SPECIAL 4-FT DIAMETER TEMPORARY (EACH)	SPV.0060.004 TEMPORARY INLETS MEDIAN 1 GRATE (EACH)	RIM ELEVATION	INVERT ELEVATION	DEPTH FT
0010									
	STAGE 1								
	IH 94 TEMP ROAD								
	51RE	51+65 TR	28' RT	1	---	---	---	989.50	---
	51MH	51+73 TR	28' RT	---	1	---	994.78	989.75	5.03
	51INL	51+78 TR	35' RT	---	---	1	992.25	989.85	2.4
	58RE	58+35 TR	34' RT	1	---	---	---	996.50	---
	58MH	58+43 TR	34' RT	---	1	---	1,000.87	996.75	4.12
	58INL	60+95 TR	33.8' RT	---	---	1	1,002.50	999.75	2.75
	135IN	134+55 TR	10' LT	---	---	1	987.75	985.00	2.75
	STAGE 1 SUBTOTAL			2	2	3			
	STAGE 3A								
	IH 94 TEMP ROAD EB								
	49MH		28.7' LT	---	1	---	991.60	989.60	2.00
	53MS	53+15 TRE	34.8' LT	---	---	1	994.00	989.75	4.25
	58MH	58+43 TR	34' RT	1	---	---	---	996.70	---
	59MS	59+93 TRE	29.1' LT						
				---	---	1	999.30	997.00	2.30
	87RE	87+53 TRE	25.8' LT	1	---	---	---	1,000.00	---
	87MH	87+59 TRE	29.0' LT	---	1	---	1,004.50	1,000.10	4.40
	87IN	87.60 TRE	46.3' LT	---	---	1	1,004.00	1,001.20	2.80
	91MH	91+87 TRE	5.0' RT	---	1	---	1,001.00	998.50	2.50
	91INL	91+65 TRE	5.0' RT	---	---	1	1,002.00	998.50	3.50
	STAGE 3A SUBTOTAL			2	3	4			
PROJECT 1022-00-79 TOTALS				**4**	**5**	**7**			

ASPHALTIC FLUMES

465.0315

CATEGORY	STAGE	LOCATION	OFFSET	(SY)
0010				
	STAGE 3B			
		SW RAMP (EB ON-RAMP)		
		76+87 SW	39.6 ' RT	9
		NE RAMP (WB ON-RAMP)		
		114+68 NE	37.5' LT	18
	STAGE 3B SUBTOTAL			27
PROJECT 1022-00-79 TOTALS				**27**

ASPHALTIC CURB

465.0310

CATEGORY	STAGE	LOCATION	OFFSET	LF
0010				
	STAGE 3C			
		IH 94 (WESTBOUND)		
		73+50 WB - 76+80 WB	LT	330
	STAGE 3C SUBTOTAL			330
PROJECT 1022-00-79 TOTALS				**330**

CLEANING CULVERT PIPES

520.8700

CATEGORY	STAGE	LOCATION	(EACH)	NOTES
0010				
	STAGE 1B			
		IH 94 (WESTBOUND)		
		80+20 WB	1	30-INCH X 115 LF
		107+04 WB	1	30-INCH X 84LF
		115+49 WB	1	72-INCH X 84 LF
		119+80 WB	1	36-INCH X 62LF
		119+86 WB	1	36-INCH X 62LF
		168+83 WB	1	30-INCH X 84LF
		208+80 WB	1	30-INCH X 64LF
		216+32 WB	1	42 -INCH X 67LF
	STAGE 1B SUBTOTAL		8	
	STAGE 2A			
		IH 94 (EASTBOUND)		
		148+87 EB	1	30-INCH X 68LF
		148+81 EB	1	30-INCH X 68LF
		159+44 EB	1	48-I NCH X 58 LF
		179+84 EB	1	48-I NCH X 65 LF
		206+23 EB	1	24-INCH X 92LF
		218+79 EB	1	36-INCH X 95 LF
		218+86 EB	1	36-INCH X 95 LF
		SW RAMP (EB ON-RAMP)		
		80+20 SW	1	30-INCH X 85 LF
	STAGE 2A SUBTOTAL		8	
PROJECT 1022-00-79 TOTALS			**16**	

TEMPORARY ASPHALT ITEMS

LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS (SY)	465.0125 ASPHALTIC SURFACE TEMPORARY (TON)	SPV.0090.001 FILL EXISTING RUMBLE STRIPS (LF)
STAGE 1A			
IH 94 (WESTBOUND)			
45+50 WB - 58+20 WB	---	84	---
58+00 WB - 60+96 WB	---	---	300
66+10 WB -89+10 WB	---	386	---
74+29 WB - 81+00 WB	---	28	---
225+50 WB - 240+08 WB	---	---	1,458
241+19 WB - 248+50 WB	---	---	731
IH 94 (EASTBOUND)			
62+90 EB - 64+00 EB	---	---	110
79+25 EB - 80+00 EB	---	---	75
221+25 EB - 237+20 EB	---	---	1,595
238+43 EB - 242+00 EB	---	---	357
NWA TEMP RAMP			
64+05 NWA - 65+50 NWA	---	85	---
SWA TEMP RAMP			
70+27 SWA - 75+14 SWA	---	294	---
STAGE 1A SUBTOTAL	---	876	4,626
STAGE 1B			
IH 94 (WESTBOUND)			
40+75 WB	4	---	---
49+36 WB	38	---	---
40+68 WB - 45+50 WB	---	25	---
48+00 WB - 93+00 WB	---	252	---
99+00 WB - 104+50 WB	---	---	550
226+50 WB - 230+50 WB	---	---	400
241+00 WB - 243+50 WB	---	---	250
IH 94 (EASTBOUND)			
40+00 EB	4	---	---
49+05 EB	38	---	---
39+66 EB - 45+00 EB	---	35	---
61+75 EB - 62+75 EB	---	---	100
80+00 EB - 80+75 EB	---	---	75
238+65 EB - 240+50 EB	---	---	185

LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS (SY)	465.0125 ASPHALTIC SURFACE TEMPORARY (TON)	SPV.0090.001 FILL EXISTING RUMBLE STRIPS (LF)
STAGE 1B CONTINUED			
IH 94 TEMP ROAD			
39+55 TR - 235+78 TR	---	25,211	---
SWA TEMP RAMP			
75+15 SWA - 76+11 SWA	---	91	---
STAGE 1B SUBTOTAL	84	25,614	1,560
STAGE 2A			
IH 94 (EASTBOUND)			
48+00 EB - 61+00 EB	---	537	---
82+00 EB - 94+50 EB	---	309	---
232+00 EB - 232+40 EB	46	50	---
STAGE 2A SUBTOTAL	46	896	---
STAGE 2B			
IH 94 (EASTBOUND)			
61+00 EB - 82+00 EB	---	464	---
69+07 EB - 75+82 EB	---	41	---
STAGE 2B SUBTOTAL	---	505	---
STAGE 2C			
IH 94 (EASTBOUND)			
85+10 EB - 87+73 EB	---	---	58
STAGE 2C SUBTOTAL	---	---	58
STAGE 2C, PHASE 2			
IH 94 (WESTBOUND)			
239+60 WB	46	---	---
IH 94 (EASTBOUND)			
237+00 EB	---	---	---
IH 94 WB WIDENING			
225+66 XO - 240+00 XO	---	1,142	---
STAGE 2C, PHASE 2 SUBTOTAL	46	1,142	---

LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS (SY)	465.0125 ASPHALTIC SURFACE TEMPORARY (TON)	SPV.0090.001 FILL EXISTING RUMBLE STRIPS (LF)
STAGE 3A, PHASE 1			
IH 94 TEMP ROAD EB			
47+99 TRE - 96+50 TRE	---	4,236	---
NEA TEMP RAMP			
705+75 NEA - 710+99 NEA	---	320	---
STAGE 3A, PHASE 1 SUBTOTAL	---	4,557	---
STAGE 3A, PHASE 2			
SEA TEMP RAMP			
99+95 SEA - 107+82 SEA	---	412	---
STAGE 3A, PHASE 2 SUBTOTAL	---	412	---
STAGE 3B			
IH 94 (WESTBOUND)			
62+91 WB - 64+65 WB	---	47	---
SEB TEMP RAMP			
133+58 SEB - 136+34 SEB	---	161	---
STAGE 3B SUBTOTAL	---	208	---
UNDISTRIBUTED	124	789	756
PROJECT 1022-00-79 TOTALS	**300**	**35,000**	**7,000**

ASPHALTIC ITEMS

CAT	STAGE	LOCATION	455.0605 TACK COAT (GAL)	460.6244 HMA PAVEMENT 3 MT 58-28 S (TON)	460.6244 HMA PAVEMENT 4 MT 58-34 S (TON)	460.7644 HMA PAVEMENT 4 HT 58-34 V (TON)
0010						
	STAGE 1B					
		IH 94 (WESTBOUND)				
		40+75 WB - 49+36 WB	54		129	---
		IH 94 (EASTBOUND)				
		40+00 EB - 49+05 EB	56		135	---
	STAGE 1B SUBTOTAL		110		264	---
	STAGE 2A					
		IH 94 (EASTBOUND)				
		49+05 EB- 59+14 EB	123		295	---
		84+54 EB - 94+00 EB	82		197	---
		91+00 EB - 95+00 EB	104		501	---
		95+00 EB- 232+00 EB	1,341		4,291	---
		NW RAMP (EB OFF-RAMP)				
		60+00 NW - 60+69 NW	7		23	---
		SW RAMP (EB ON-RAMP)				
		81+92 SW - 87+79 SW	31		101	---
	STAGE 2A SUBTOTAL		1,688		5,409	---
	STAGE 2B					
		IH 94 (EASTBOUND)				
		60+55 EB - 84+24 EB	322		772	---
		NW RAMP (EB OFF-RAMP)				
		63+08 NW - 65+14 NW	5		15	---
		SW RAMP (EB ON-RAMP)				
		78+01 SW - 79+69 SW	4		13	---
	STAGE 2B SUBTOTAL		331		800	---
	STAGE 2C, PHASE 1					
		IH 94 (WESTBOUND)				
		230+50 WB - 239+87 WB	453		177	954
		IH 94 (EASTBOUND)				
		232+00 EB - 237+18 EB	210		113	447
	STAGE 2C, PHASE 1 SUBTOTAL		663		290	1,401

CAT	STAGE	LOCATION	455.0605 TACK COAT (GAL)	460.6244 HMA PAVEMENT 3 MT 58-28 S (TON)	460.6244 HMA PAVEMENT 4 MT 58-34 S (TON)	460.7644 HMA PAVEMENT 4 HT 58-34 V (TON)
0010	STAGE 2C, PHASE 2					
		IH 94 (WESTBOUND)				
		230+50 WB - 240+12 WB	369		140	816
		IH 94 (EASTBOUND)				
		232+00 EB - 237+45 EB	249		104	521
	STAGE 2C, PHASE 2 SUBTOTAL		618		244	1,337
	STAGE 3B					
		IH 94 (WESTBOUND)				
		49+36 WB - 230+50 WB	1,486		4,756	---
		SW RAMP (EB ON-RAMP)				
		76+92 SW - 78+49 SW	6		20	---
		NE RAMP (WB ON-RAMP)				
		100+00 NE - 111+92 NE	68		217	---
		112+93 NE - 114+65 NE	7		22	---
		SE RAMP (WB OFF-RAMP)				
		129+32 SE - 133+99 SE	26		85	---
	STAGE 3B SUBTOTAL		1,593		5,100	---
	STAGE 3C					
		IH 94 (WESTBOUND)				
		66+94 WB - 85+77 WB	117		375	---
		SE RAMP (WB OFF-RAMP)				
		129+20 SE - 133+65 SE	46		146	---
	STAGE 3C SUBTOTAL		163		521	---
	STAGE 4B					
		IH 94 (EASTBOUND)				
		39+00 EB - 53+00 EB	23		73	---
		MAINTENANCE CROSSOVER				
		104+35	21		67	---
		182+00	29		93	---
	STAGE 4B SUBTOTAL		73		233	---
	UNDISTRIBUTED		261		440	62
	PROJECT 1022-00-79 TOTALS		**5,500**		**13,300**	**2,800**

CULVERT PIPE TEMPORARY

CATEGORY	STAGE	LOCATION	OFFSET	520.2015 CULVERT PIPE TEMPORARY 15-INCH (LF)	520.2018 CULVERT PIPE TEMPORARY 18-INCH (LF)	520.2024 CULVERT PIPE TEMPORARY 24-INCH (LF)	520.2030 CULVERT PIPE TEMPORARY 30-INCH (LF)	520.2036 CULVERT PIPE TEMPORARY 36-INCH (LF)	520.2042 CULVERT PIPE TEMPORARY 42-INCH (LF)	520.2048 CULVERT PIPE TEMPORARY 48-INCH (LF)	520.2072 CULVERT PIPE TEMPORARY 72-INCH (LF)	SPV.0060.005 TEMPORARY CONCRETE PIPE COLLAR (EACH)	650.6000 [A] CONSTRUCTION STAKING PIPE CULVERTS (EACH)	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
0010																
	STAGE 1															
		IH 94 TEMP ROAD														
		44+15EB - 49+31EB	LT	536	---	---	---	---	---	---	---	---	1	989.50	985.75	0.007
		51MS-51MH	RT	9	---	---	---	---	---	---	---	---	1	989.85	989.75	0.011
		51MH-51RE	RT	8	---	---	---	---	---	---	---	---	1	989.75	989.50	0.031
		58MH-58RE	RT	---	11	---	---	---	---	---	---	---	1	996.75	996.50	0.023
		58IN-58MH	RT	249	---	---	---	---	---	---	---	---	1	999.75	997.00	0.011
		92+90 TR - 94+07 TR	RT	118	---	---	---	---	---	---	---	---	1	995.00	994.25	0.006
		114+12 TR	RT	---	---	---	---	---	---	---	24	---	1	971.70	971.60	0.004
		134+65 TR	LT & RT	---	56	---	---	---	---	---	---	---	1	985.00	984.35	0.012
		140+30 TR	LT & RT	---	---	---	---	---	---	---	66	---	1	975.90	975.60	0.005
		140+42 TR	LT & RT	---	---	---	---	---	---	---	66	---	1	975.90	975.60	0.005
		152+12 TR	RT	---	---	---	---	39	---	---	---	1	1	989.18	989.10	0.005
		152+19 TR	RT	---	---	---	---	39	---	---	---	1	1	989.18	989.10	0.005
		161+80 TR	RT	---	---	---	---	---	---	30	---	1	1	985.45	985.40	0.005
		161+90 TR	RT	---	---	---	---	---	---	30	---	1	1	985.50	985.47	0.003
		167+44 TR	RT	---	---	---	---	22	---	---	---	1	1	985.47	985.40	0.003
		168+00 TR	RT	56	---	---	---	---	---	---	---	---	1	992.00	987.00	0.089
		207+42 TR	RT	---	---	---	28	---	---	---	---	1	1	996.22	996.15	0.003
		214+94 TR	RT	---	---	---	---	---	30	---	---	1	1	994.48	994.30	0.006
		SWA TEMP RAMP														
		74+76SWA	LT & RT	---	111	---	---	---	---	---	---	---	1	1,009.50	1,008.50	0.009
	STAGE 1 SUBTOTAL			976	178	---	28	100	30	60	156	7	19			
	STAGE 2C															
	.	IH 94 TEMP ROAD EB														
		67+55 TRE	LT	---	17	---	---	---	---	---	---	1	1	1,006.60	1,006.22	0.022
		80+04 TRE	LT	---	17	---	---	---	---	---	---	1	1	1,009.60	1,009.60	0.000
	STAGE 2C SUBTOTAL			---	34	---	---	---	---	---	---	2	2			
	STAGE 3A															
		49EW-49MH	LT	8	---	---	---	---	---	---	---	---	1	989.60	989.50	0.013
		59MS-58MH	LT	13	---	---	---	---	---	---	---	---	1	997.20	997.00	0.015
		59MS-58MH	LT	13	---	---	---	---	---	---	---	---	1	997.20	997.00	0.015
		87MH-87RE	LT	8	---	---	---	---	---	---	---	---	1	1,001.10	1,000.00	0.138
		87IN-87MH	LT	18	---	---	---	---	---	---	---	---	1	1,001.20	1,001.10	0.006
		91INL-91MH	LT	171	---	---	---	---	---	---	---	---	1	1,000.00	998.15	0.011
		91MH-PIPE	LT	5	---	---	---	---	---	---	---	1	1	998.15	998.15	0.000
	STAGE 3A SUBTOTAL			236	---	---	---	---	---	---	---	1	7			
	STAGE 3															
		NEA TEMP RAMP														
		707+10NEA	RT	---	---	18	---	---	---	---	---	1	1	1,006.91	1,006.60	0.017
		SEA TEMP RAMP														
		101+83SEA	LT & RT	---	95	---	---	---	---	---	---	---	1	1,010.61	1,010.23	0.004
	STAGE 3 SUBTOTAL			---	95	18	---	---	---	---	---	1	2			
	PROJECT 1022-00-79 TOTALS			**1,212**	**307**	**18**	**28**	**100**	**30**	**60**	**156**	**11**	**30**			

[A] REFER TO "CULVERT PIPE" & "CULVERT PIPE - PIPE ARCH" TABLE FOR ADDITIONAL QUANTITIES

CULVERT PIPES

CATEGORY	STAGE	LOCATION	OFFSET	ELEVATION+ INLET	ELEVATION+ DISCHARGE	SLOPE FT/FT	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH (LF)	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	522.0142 CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH (LF)	522.0148 CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH (LF)	522.0160 CULVERT PIPE REINFORCED CONCRETE CLASS III 60-INCH (LF)	522.0172 CULVERT PIPE REINFORCED CONCRETE CLASS III 72-INCH (LF)	522.0418 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH (LF)	520.8000 [A] CONCRETE COLLARS FOR PIPE (EACH)	650.6000 [B] CONSTRUCTION STAKING PIPE CULVERTS (EACH)	* JOINT TIES (EACH)
0010																	
	STAGE 1B																
		IH 94 (WESTBOUND)															
		99+90 WB	RT	978.80	978.00	0.018	---	---	---	---	---	44	---	---	1	1	2
		115+49 WB	RT	---	---	---	---	---	---	---	---	---	6	---	1	1	2
		IH 94 TEMP ROAD															
		105+34TR	RT	979.58	979.50	0.003	---	26	---	---	---	---	---	---	1	1	2
		118+42 TR	RT	976.20	976.50	0.010	---	---	29	---	---	---	---	---	1	1	2
		118+50 TR	RT	976.16	976.40	0.008	---	---	29	---	---	---	---	---	1	1	2
		152+12 TR	RT	---	---	---	---	6	---	---	---	---	---	---	1	1	2
		152+19 TR	RT	---	---	---	---	6	---	---	---	---	---	---	1	1	2
		161+80 TR	RT	---	---	---	---	---	---	---	6	---	---	---	1	1	2
		161+90 TR	RT	---	---	---	---	---	---	---	6	---	---	---	1	1	2
		167+44 TR	RT	---	---	---	---	---	---	---	---	6	---	---	1	1	2
		176+47 TR	RT	986.10	986.00	0.003	---	---	---	---	30	---	---	---	1	1	2
		207+42 TR	RT	---	---	---	---	12	---	---	---	---	---	---	1	1	2
		214+93 TR	RT	---	---	---	---	---	---	12	---	---	---	---	1	1	2
		IH 94 WB WIDENING															
		224+79 XO	RT	998.70	998.54	0.006	---	---	29	---	---	---	---	---	1	1	2
	STAGE 1B SUBTOTAL						---	50	87	12	42	50	6	---	14	14	
	STAGE 2A																
		IH 94 (EASTBOUND)															
		87+80 EB	RT	---	---	---	---	---	8	---	---	---	---	---	1	1	2
		91+88 EB	LT&RT	998.44	996.85	0.027	---	---	---	---	---	---	---	58	---	1	12
		121+34 EB	LT	---	---	---	---	---	---	---	8	---	---	---	1	1	4
		148+81 EB	RT	---	---	---	---	---	---	---	---	---	---	---	1	---	2
		148+81 EB	LT	---	---	---	---	6	---	---	---	---	---	---	1	1	2
		148+87 EB	RT	---	---	---	---	---	---	---	---	---	---	---	1	1	2
		148+87 EB	LT	---	---	---	---	6	---	---	---	---	---	---	1	1	2
		155+85 EB	LT	---	---	---	---	---	---	---	6	---	---	---	1	1	2
		159+44 EB	LT	---	---	---	---	---	---	---	6	---	---	---	1	1	2
		218+79 EB	LT	---	---	---	---	---	8	---	---	---	---	---	1	1	2
		218+87 EB	LT	---	---	---	---	---	8	---	---	---	---	---	1	1	2
		MAINTENANCE CROSSOVER															
		30+51 MC	LT&RT	990.75	987.50	0.020	160	---	---	---	---	---	---	---	---	1	2
		SW RAMP (EB ON-RAMP)															
		83+72 SW	RT	1007.50	1007.40	0.013	---	8	---	---	---	---	---	---	1	1	2
	STAGE 2A SUBTOTAL						160	20	24	---	20	---	---	58	11	12	
	STAGE 2B																
		IH 94 (EASTBOUND)															
		67+50 EB	LT&RT	1006.20	1006.00	0.004	---	---	---	---	---	---	---	56	---	1	6
		80+05 EB	LT&RT	1009.40	1008.60	0.014	---	---	---	---	---	---	---	56	---	1	12
	STAGE 2B SUBTOTAL						---	---	---	---	---	---	---	112	---	2	
	PROJECT 1022-00-79 SUBTOTALS						160	70	111	12	62	50	6	170	25	28	

NOTE: + PIPE EXTENSIONS ARE TO MATCH THE EXISTING PIPE SLOPE & ELEVATION

* NOT A BID ITEM. FOR INFORMATIONAL PURPOSES ONLY

[A] REFER TO "CULVERT PIPES SALVAGED" TABLE FOR ADDITIONAL QUANTITIES

[B] REFER TO CULVERT PIPE "-TEMPORARY" & "- PIPE ARCH" TABLE FOR ADDITIONAL QUANTITIES

CULVERT PIPES

CATEGORY	STAGE	LOCATION	OFFSET	ELEVATION+ INLET	ELEVATION+ DISCHARGE	SLOPE FT/FT	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	522.0130 30-INCH (LF)	522.0136 36-INCH (LF)	522.0142 42-INCH (LF)	522.0148 48-INCH (LF)	522.0160 60-INCH (LF)	522.0172 72-INCH (LF)	522.0418 CLASS IV 18-INCH (LF)	520.8000 [A] CONCRETE COLLARS FOR PIPE (EACH)	650.6000 [B] CONSTRUCTION STAKING PIPE CULVERTS (EACH)	* JOINT TIES (EACH)
0010	PROJECT 1022-00-79 SUBTOTALS						160	70	111	12	62	50	6	170	53	29	
	STAGE 3B																
		IH 94 (WESTBOUND)															
		80+34 WB	LT	---	---	---	---	5	---	---	---	---	---	---	1	1	2
		107+03 WB	LT	---	---	---	---	---	---	---	---	---	---	---	1	1	2
		168+83 WB	LT	---	---	---	---	---	---	---	---	---	---	---	---	1	2
	STAGE 3B SUBTOTAL						---	5	---	---	---	---	---	---	2	3	
	STAGE 4A																
		IH 94 (WESTBOUND)															
		216+31 WB	LT	---	---	---	---	---	---	6	---	---	---	---	1	1	2
		IH 94 (EASTBOUND)															
		67+50 EB	LT	---	---	---	---	---	---	---	---	---	---	---	1	1	---
		80+05 EB	LT	---	---	---	---	---	---	---	---	---	---	---	1	1	---
		87+50 EB	LT	---	---	---	---	12	---	---	---	---	---	---	1	1	4
		91+88 EB	LT	---	---	---	---	---	---	---	---	---	---	---	---	1	---
	STAGE 4A SUBTOTAL						---	12	---	6	---	---	---	---	4	5	
PROJECT 1022-00-79 TOTALS							**160**	**87**	**111**	**18**	**62**	**50**	**6**	**170**	**59**	**37**	

\+ PIPE EXTENSIONS ARE TO MATCH THE EXISTING PIPE SLOPE & ELEVATION

* NOT A BID ITEM. FOR INFORMATIONAL PURPOSES ONLY

[A] REFER TO "CULVERT PIPES SALVAGED" TABLE FOR ADDITIONAL QUANTITIES

[B] REFER TO "CULVERT PIPE -TEMPORARY" & "- PIPE ARCH" TABLE FOR ADDITIONAL QUANTITIES

CULVERT PIPES - HORIZ. ELLIPTICAL

CATEGORY	STAGE	LOCATION	OFFSET	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	522.2629 APRON ENDWALLS FOR CPRC HORIZ ELLIP. 29x45-INCH (EACH)	521.1709 APRON ENDWALLS SLOPED SIDE DRAINS STEEL 42X29-INCH 4 TO 1 (EACH)	522.2429 CPRC HORIZ ELLIP CLASS HE-IV 29X45-INCH (LF)	633.5200 [A] MARKERS CULVERT END (EACH)	650.6000 [B] CONSTRUCTION STAKING PIPE CULVERTS (EACH)
0010											
	STAGE 2A										
		IH 94 (EASTBOUND)									
		53+15 EB	RT	989.64	989.40	0.003	1	---	80	1	1
	STAGE 3B										
		IH 94 (WESTBOUND)									
		52+97 WB	LT	990.32	989.94	0.005	---	1	74	1	1
		IH 94 (EASTBOUND)									
		53+15 EB	LT	989.67	989.64	0.003	---	---	9	---	1
PROJECT 1022-00-79 TOTALS							**1**	**1**	**163**	**2**	**3**

[A] REFER TO "CULVERT PIPES SALVAGED" & "CULVERT PIPES - APRON ENDWALLS" TABLE FOR ADDITIONAL QUANTITIES

[B] REFER TO "CULVERT PIPES" TABLE FOR ADDITIONAL QUANTITIES

PIPE GRATES

CATEGORY	LOCATION	OFFSET	611.9800.S.001 (30-INCH) (EACH)
0010			
	IH 94 (EASTBOUND)		
	148+81 EB	RT	1
	148+87 EB	RT	1
	153+49 WB	RT	1
	153+55 WB	RT	1
PROJECT 1022-00-79 TOTALS			**4**

CULVERT PIPE - APRON ENDWALLS

CATEGORY	STAGE	LOCATION	OFFSET	521.0336 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 36-INCH 4 TO 1 (EACH)	521.1524 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 6 TO 1 (EACH)	522.1018 APRON ENDWALLS FOR CPRC 18-INCH (EACH)	522.1024 24-INCH (EACH)	522.1030 30-INCH (EACH)	522.1042 42-INCH (EACH)	522.1048 48-INCH (EACH)	522.1060 60-INCH (EACH)	522.1072 72-INCH (EACH)	633.5200 [A] MARKERS CULVERT END (EACH)	* JOINT TIES (EACH)
0010														
	STAGE 1B													
		IH 94 (WESTBOUND)												
		99+90 WB	RT	---	---	---	---	---	---	---	1	---	1	2
		115+49 WB	RT	---	---	---	---	---	---	---	---	1	1	2
	STAGE 1B SUBTOTAL			---	---	---	---	---	---	---	1	1	2	4
	STAGE 2A													
		IH 94 (EASTBOUND)												
		82+72 EB	LT&RT	---	---	2	---	---	---	---	---	---	2	4
		91+88 EB	RT	---	---	1	---	---	---	---	---	---	1	2
		148+81 EB	RT	---	---	---	---	1	---	---	---	---	1	2
		148+87 EB	RT	---	---	---	---	1	---	---	---	---	1	2
		MAINTENANCE CROSSOVER												
		30+51 MC	LT&RT	---	1	---	1	---	---	---	---	---	2	4
	STAGE 2A SUBTOTAL			---	1	3	1	2	---	---	---	---	7	14
	STAGE 2B													
		IH 94 (EASTBOUND)												
		67+50 EB	RT	---	---	1	---	---	---	---	---	---	1	2
		80+05 EB	LT&RT	---	---	1	---	---	---	---	---	---	1	2
	STAGE 2B SUBTOTAL			---	---	2	---	---	---	---	---	---	2	4
	STAGE 3B													
		IH 94 (WESTBOUND)												
		107+03 WB	LT	---	---	---	---	1	---	---	---	---	1	2
		216+31 WB	LT	---	---	---	---	---	1	---	---	---	1	2
		224+71 WB	LT	1	---	---	---	---	---	---	---	---	1	2
	STAGE 3B SUBTOTAL			1	---	---	---	1	1	---	---	---	3	
	STAGE 4A													
		IH 94 (EASTBOUND)												
		67+50 EB	LT	---	---	1	---	---	---	---	---	---	1	2
		80+05 EB	LT	---	---	1	---	---	---	---	---	---	1	2
		91+88 EB	LT	---	---	1	---	---	---	---	---	---	1	2
		IH 94 (WESTBOUND)												
		115+49 WB	RT	---	---	---	---	---	---	---	---	1	1	2
		153+49 WB	RT	---	---	---	---	1	---	---	---	---	1	2
		153+55 WB	RT	---	---	---	---	1	---	---	---	---	1	2
		163+18 WB	RT	---	---	---	---	---	---	1	---	---	1	2
		163+25 WB	RT	---	---	---	---	---	---	1	---	---	1	2
		168+82 WB	RT	---	---	---	---	1	---	---	---	---	1	2
		208+80 WB	RT	---	---	---	---	1	---	---	---	---	1	2
		216+31 WB	RT	---	---	---	---	---	1	---	---	---	1	2
	STAGE 4A SUBTOTAL			---	---	3	---	4	1	2	---	1	11	
	PROJECT 1022-00-79 TOTALS			**1**	**1**	**8**	**1**	**7**	**2**	**2**	**1**	**2**	**25**	

[A] REFER TO "CULVERT PIPES-SALVAGED" & "-PIPE ARCH" TABLE FOR ADDITIONAL QUANTITIES

* NOT A BID ITEM. FOR INFORMATIONAL PURPOSES ONLY

CULVERT PIPES - SALVAGED

CATEGORY	STAGE	LOCATION	OFFSET	524.0130 CULVERT PIPE SALVAGED 30-INCH (LF)	524.0136 CULVERT PIPE SALVAGED 36-INCH (LF)	524.0148 CULVERT PIPE SALVAGED 48-INCH (LF)	524.0624 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 24-INCH (LF)	524.0630 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 30-INCH (LF)	524.0636 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 36-INCH (LF)	524.0642 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 42-INCH (LF)	524.0648 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 48-INCH (LF)	520.8000 [A] CONCRETE COLLARS FOR PIPE (EACH)	633.5200 [B] MARKERS CULVERT END (EACH)	* JOINT TIES (EACH)
0010														
	STAGE 1B													
		IH 94 (WESTBOUND)												
		107+03 WB	RT	---	---	---	---	1	---	---	--	---	1	4
		153+49 WB	RT	8	---	---	---	---	---	---	--	1	1	4
		177+80 WB	RT	---	---	---	---	---	---	---	1	---	1	2
		224+71 WB	RT	---	---	---	---	---	1	---	--	---	1	2
		IH 94 TEMP ROAD												
		118+42 TR	RT	---	8	---	---	---	---	---	--	---	1	4
		118+50 TR	RT	---	8	---	---	---	---	---	--	---	1	4
	STAGE 1B SUBTOTAL			8	16	---	---	1	1	---	1	1	6	20
	STAGE 2A													
		IH 94 (EASTBOUND)												
		87+80 EB	RT	---	8	---	---	---	1	---	--	---	2	4
		121+34 EB	RT	---	---	---	---	---	---	---	1	---	1	2
		121+34 EB	LT	---	---	---	---	---	---	---	1	---	1	2
		148+81 EB	LT	---	---	---	---	1	---	---	--	1	1	2
		148+87 EB	LT	---	---	---	---	1	---	---	--	1	1	2
		155+85 EB	RT	---	---	---	---	---	---	---	1	---	1	2
		155+85 EB	LT	---	---	---	---	---	---	---	1	1	1	2
		159+44 EB	RT	---	---	---	---	---	---	---	---	---	1	2
		159+44 EB	LT	---	---	---	---	---	---	---	1	1	1	2
		179+84 EB	RT	---	---	12	---	---	---	---	1	---	1	6
		179+84 EB	LT	---	---	24	---	---	---	---	1	---	1	8
		206+23 EB	LT&RT	---	---	---	2	---	---	---	--	---	2	4
		218+79 EB	LT	---	---	---	---	---	1	---	--	---	2	2
		218+87 EB	LT	---	---	---	---	---	1	---	--	---	2	2
		SW RAMP (EB ON-RAMP)												
		83+72 SW	RT	---	---	---	---	1	---	---	---	---	1	2
	STAGE 2A SUBTOTAL			---	8	36	2	3	3	---	7	4	19	44
	STAGE 3B													
		IH 94 (WESTBOUND)												
		59+76 WB	LT	---	---	---	---	---	---	---	1	---	1	2
		153+49 WB	LT	---	---	---	---	1	---	---	---	---	1	2
		153+55 WB	LT	---	---	---	---	1	---	---	---	1	1	2
		168+83 WB	LT	---	---	---	---	1	---	---	---	---	1	2
		216+31 WB	LT	---	---	---	---	---	---	1	---	---	1	2
	STAGE 3B SUBTOTAL			---	---	---	---	3	---	1	1	1	5	10
	STAGE 3C													
		IH 94 (WESTBOUND)												
		80+34 WB	LT	---	---	---	---	1	---	---	---	---	1	2
	STAGE 3C SUBTOTAL			---	---	---	---	1	---	---	---	---	1	2
	PROJECT 1022-00-79 TOTALS			**8**	**24**	**36**	**2**	**8**	**4**	**1**	**9**	**6**	**31**	**76**

* NOT A BID ITEM. REQUIRE AT EACH RELAYED SALVAGE PIPE JOINT. FOR INFORMATIO PURPOSES ONLY. SEE S.D.D.

NO STAKING REQUIRED FOR SALVAGED CULVERTS & ENDWALLS, RESET AT SAME LINE AND GRADE

[A] REFER TO "CULVERT PIPES" TABLE FOR ADDITIONAL QUANTITIES

[B] REFER TO "APRON ENDWALLS - CULVERT PIPES" & "CULVERT PIPE - APRON ENDWALLS" TABLE FOR ADDITIONAL QUANTITIES

CONCRETE BARRIER TEMPORARY PRECAST

CAT	STAGE	LOCATION	603.8000 DELIVERED (LF)	603.8125 INSTALLED (LF)	603.8500 ANCHORING (LF)
0010					
	STAGE 1A				
		IH 94 (WESTBOUND)			
		74+27 WB - 80+97 WB LT	670.0	670.0	---
		80+58 WB - 80+97 WB LT	---	---	38.5
	STAGE 1A SUBTOTAL		670.0	670.0	38.5
	STAGE 1B				
		IH 94 (WESTBOUND)			
		42+00 WB - 230+50 WB RT	18,850.0	18,850.0	---
		230+12 WB - 230+50 WB RT	---	---	38.5
		MAINTENANCE ACCESS	---	---	38.5
		IH 94 (EASTBOUND)			
		40+00 EB - 102+00 EB LT	6,200.0	6,200.0	300.0
		40+00 EB - 40+39 EB LT	---	---	38.5
	STAGE 1B SUBTOTAL		25,050.0	25,050.0	415.5
	STAGE 2A				
		IH 94 TEMP ROAD			
		38+55 TR - 224+45 TR LT	2,725	18,600	---
		43+70 TR - 60+25 TR RT	1,500	1,660	---
		43+70 TR - 44+09 TR RT	---	---	38.5
		60+10 TR - 79+50 TR RT	1,940	1,940	
		60+10 TR - 60+49 TR RT	---	---	38.5
		77+40 TR - 99+50 TR RT	2,100	2,100	
		77+40 TR - 77+79 TR RT	---	---	38.5
		135+37 TR - 145+36 TR RT	1,000	1,000	
		135+37 TR - 135+76 TR RT	---	---	38.5
		191+66 TR - 201+81 TR RT	1,015	1,015	
		191+66 TR - 192+05 TR RT	---	---	38.5
	STAGE 2A SUBTOTAL		10,280.0	26,315.0	192.5
	STAGE 2B				
		IH 94 TEMP ROAD			
		52+87 TR - 59+97 TR RT	100.0	810.0	---
		79+50 TR - 81+70 TR RT	120.0	120.0	---
		88+84 TR - 93+00 TR RT	420.0	420.0	---
		88+84 TR - 89+23 TR RT	---	---	38.5
		93+04 TR - 99+60 TR RT	---	660.0	---
		93+04 TR - 99+60 TR RT	---	---	662.5
	STAGE 2B SUBTOTAL		640.0	2,010.0	701.0

CAT	STAGE	LOCATION	603.8000 DELIVERED (LF)	603.8125 INSTALLED (LF)	603.8500 ANCHORING (LF)
0010					
	STAGE 2C (WINTER SHUTDOWN)				
		IH 94 (WESTBOUND)			
		229+00 WB - 245+00 WB RT	0.0	15,510.0	---
		IH 94 (EASTBOUND)			
		226+00 EB - 237+50 EB LT & RT	4,750.0	4,750.0	---
	STAGE 2C (WINTER SHUTDOWN) SUBTOTAL		4,750.0	20,260.0	0.0
	STAGE 2C1				
		IH 94 (WESTBOUND)			
		229+00 WB - 245+00 WB RT	1,600.0	1,600.0	---
		IH 94 (EASTBOUND)			
		226+00 EB - 238+50 EB RT	1,250.0	1,250.0	---
	STAGE 2C1 SUBTOTAL		2,850.0	2,850.0	0.0
	STAGE 2C2				
		IH 94 (EASTBOUND)			
		226+12 EB - 238+50 EB RT	1,150.0	1,150.0	---
		IH 94 (WESTBOUND)			
		226+12 EB - 238+50 EB RT	1,100.0	1,100.0	---
	STAGE 2C2 SUBTOTAL		2,250.0	2,250.0	0.0
	STAGE 3A, PHASE 2				
		IH 94 (EASTBOUND)			
		40+92 EB - 95+00 EB LT	512.5	5,400.0	---
		40+92 EB - 41+31 EB LT	---	---	38.5
		69+09 EB - 75+84 EB RT	675.0	675.0	---
		69+09 EB - 69+48 EB RT	---	---	38.5
		IH 94 TEMP ROAD EB			
		46+86 TRE - 67+00 TRE LT	1,000.0	2,025.0	---
		66+61 TRE - 67+00 TRE LT	---	---	38.5
		66+75 TRE - 100+97 TRE LT	2,412.5	3,425.0	---
		100+58 TRE - 100+97 TRE LT	---	---	38.5
		90+50 TRE - 103+89 TRE RT	1,340.0	1,340.0	
		103+50 TRE - 103+89 TRE RT	---	---	38.5
		106+09 TRE - 126+20 TRE LT	---	2,010.0	---
		152+19 TRE - 233+77 TRE	400.0	8,150.0	---
	STAGE 3A, PHASE 2 SUBTOTAL		6,340.0	23,025.0	192.5

CAT	STAGE	LOCATION	603.8000 DELIVERED (LF)	603.8125 INSTALLED (LF)	603.8500 ANCHORING (LF)
0010					
	STAGE 3B				
		IH 94 TEMP ROAD EB			
		100+97 TRE - 106+09 TRE	612.5	612.5	---
		SEA TEMP RAMP			
		102+00 SEA - 103+97 SEA RT	200.0	200.0	---
		103+58 SEA - 103+97 SEA RT	---	---	38.5
		102+00 SEA - 111+27 SEA LT	200.0	930.0	---
		USH 10 (EASTBOUND)			
		21+84 E - 27+36 E RT	550.0	550.0	---
	STAGE 3B SUBTOTAL		1,562.5	2,292.5	38.5
	STAGE 3C				
		IH 94 TEMP ROAD EB			
		60+73 TRE - 63+53 TRE LT	---	280.0	---
		63+14 TRE - 63+53 TRE LT	---	---	38.5
		63+48 TRE - 66+69 TRE LT	---	325.0	---
		85+94 TRE - 91+34 TRE	100.0	640.0	---
		SEB TEMP RAMP			
		135+00 SEB - 136+94 SEB RT	194.0	194.0	---
		136+55 SEB - 136+94 SEB RT	---	---	38.5
		136+34 SEB - 138+86 SEB LT	100.0	250.0	---
	STAGE 3C SUBTOTAL		394.0	1,689.0	77.0
	STAGE 4A				
		IH 94 (WESTBOUND)			
		42+00 WB - 245+00 WB RT	7,987.5	20,300.0	---
		IH 94 (EASTBOUND)			
		226+30 EB - 237+42 EB	1,112.5	1,112.5	---
	STAGE 4A SUBTOTAL		9,100.0	21,412.5	0.0
		UNDISTRIBUTED			344.5
		PROJECT 1022-00-79 TOTALS	**63,886.5**	**127,824.0**	**2,000.0**

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STRUCTURE SCHEDULE

CATEGORY	STAGE	STRUC. NO.	STATION	OFFSET TO CENTER OF STRUCTURE	CASTING ELEV.	TOP OF STR. ELEV.	BOTTOM OF STR. ELEV.	DEPTH	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH (EACH)	520.1015 APRON ENDWALLS FOR CULVERT PIPE 15-INCH (EACH)	611.0430 RECONSTRUCTING INLETS (EACH)	611.0530 MANHOLE COVERS TYPE J (EACH)	611.0624 INLET COVERS TYPE H (EACH)	611.3230 INLETS 2X3-FT (EACH)	611.9710 SALVAGED INLET COVERS (EACH)
0010															
	STAGE 3B														
		24.0	24+72 E	65.6' RT	---	---	1018.18	---	---	1	---	---	---	---	---
		24.1	24+72 E	42.6' RT	1023.95	1022.91	1020.27	2.64	---	---	---	---	---	1	1
		24.2	24+68 E	30.7' RT	1024.17	1022.92		---	---	---	1	1	---	---	---
		35.0	35+03 W	61.2' LT	---	---	1028.19	---	---	1	---	---	---	---	---
		35.1	35+02 W	42.5' LT	1034.00	1032.96	1029.06	3.90	---	---	---	---	---	1	1
		35.2	35+02 W	31.6' LT	1034.28	1033.24		---	---	---	1	1	---	---	---
		36.0	36+33 W	56.2' LT	---	---	1028.83	---	1	---	---	---	---	---	---
		36.1	36+33 W	42.5' LT	1033.57	1032.57	1030.42	2.15	---	---	---	---	1	1	---
	STAGE 3B SUBTOTAL								1	2	2	2	1	3	2
PROJECT 1022-00-79 TOTALS									**1**	**2**	**2**	**2**	**1**	**3**	**2**

*CONFIRM ELEVATION OF EXISTING STRUCTURE

STORM SEWER PIPE

CATEGORY	STAGE	FROM STRUCTURE	TO STRUCTURE	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE (%)	608.3012 CLASS III-A 12-INCH (LF)	608.3015 CLASS III-A 15-INCH (LF)	608.0415 REINF. CONC. CLASS IV 15-INCH (LF)
0010									
	STAGE 3B								
		24.2	24.1	1020.66	1020.46	1.67%	---	---	12
		24.1	24.0	1020.46	1018.37	9.08%	---	23	---
		35.2	35.1	1029.57	1029.25	2.91%	---	---	11
		35.1	35.0	1029.25	1028.38	4.58%	---	19	---
		36.1	36.0	1030.25	1029.00	8.93%	14	---	---
	STAGE 3B SUBTOTAL						14	42	23
PROJECT 1022-00-79 TOTALS							**14**	**42**	**23**

*CONFIRM ELEVATION OF EXISTING STRUCTURE

INLETS

CATEGORY	STATION	OFFSET	611.0642 INLET COVERS TYPE MS (EACH)	611.3902 INLETS MEDIAN 2 GRATE (EACH)
0010				
	IH 94 (WESTBOUND)			
	53+05 WB	27' RT	2	1
PROJECT 1022-00-79 TOTALS			**2**	**1**

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RIPRAP

CATEGORY	STAGE	LOCATION	OFFSET	606.0200 RIPRAP MEDIUM (CY)	645.0120 GEOTEXTILE TYPE HR (SY)	W X L	NOTES
0010							
	STAGE 1						
		IH 94 (WESTBOUND)					
		100+15 WB	RT	16	44	18' x 16'	2X48-INCH OUTFALL
		115+51 WB	RT	16	44	13' x 22'	72-INCH OUTFALL
		119+83 WB	RT	11	31	16' x 12'	2X36-INCH OUTFALL
		153+52 WB	RT	8	24	14' x 10'	2X30-INCH OUTFALL
		163+22 WB	RT	20	53	20' x 18'	2X48-INCH OUTFALL
		177+81 WB	RT	11	32	11' x 18'	48-INCH OUTFALL
		216+32 WB	RT	11	32	11' x 18'	42-INCH OUTFALL
		239+55 WB	RT	2	7	6' X 4.5'	SURFACE DRAIN
		IH 94 (EASTBOUND)					
		236+85 EB	RT	2	7	6' X 4.5'	SURFACE DRAIN
		IH 94 (TEMPORARY ROAD)					
		140+30 TR	LT & RT	21	55	25'x15'	TEMPORARY CULVERTS
	STAGE 1 SUBTOTAL			118	329		
	STAGE 3						
		IH 94 (WESTBOUND)					
		59+50 WB - 67+00 WB	LT	500	1,254	12' x 750'	WB DITCH
		SW RAMP (EB ON-RAMP)					
		76+96 SW	RT	2	8	6' x 6'	DITCH
		NE RAMP (WB ON-RAMP)					
		114+64 NE	LT	2	8	6' x 6'	DITCH
		USH 10 (EASTBOUND)					
		24+72 E	RT	11	33	9' x 22'	15-INCH OUTFALL
		USH 10 (WESTBOUND)					
		36+33 W	RT	6	19	7' x 15'	12-INCH OUTFALL
		35+03 W	RT	8	23	9' x 15'	15-INCH OUTFALL
	STAGE 3 SUBTOTAL			529	1,345		
		UNDISTRIBUTED		53	126		
PROJECT 1022-00-79 TOTALS				**700**	**1,800**		

SALVAGED RAIL

CATEGORY	STAGE	LOCATION	OFFSET	614.0920 (LF)
0010				
	STAGE 1A			
		IH 94 (WESTBOUND)		
		73+77 EB - 76+34 EB	RT	100
	STAGE 1A SUBTOTAL			100
	STAGE 1B			
		IH 94 (EASTBOUND)		
			LT	230
		234+32 EB - 237+45 EB	LT	314
	STAGE 1B SUBTOTAL			544
	STAGE 2C, PHASE 1			
		IH 94 (WESTBOUND)		
		238+69 WB - 239+83 WB	RT	115
		IH 94 (EASTBOUND)		
		234+47 EB - 237+13 EB	RT	266
	STAGE 2C, PHASE 1 SUBTOTAL			381
	STAGE 2C, PHASE 2			
		IH 94 (WESTBOUND)		
		238+71 WB - 240+03 WB	LT	130
	STAGE 2C, PHASE 2 SUBTOTAL			130
	STAGE 3B			
		IH 94 (WESTBOUND)		
		97+95 WB - 104+68 WB	LT	673
		115+31 WB - 118+02 WB	LT	271
	STAGE 3B SUBTOTAL			944
PROJECT 1022-00-79 TOTALS				**2,099**

COVER PLATES TEMPORARY

CATEGORY	STAGE	LOCATION	OFFSET	611.8120.S (EACH)
0010				
	STAGE 1B			
		51+80TR	35' RT	1
		86+06 TR	35' RT	1
	STAGE 1B SUBTOTAL			2
	STAGE 3B			
		USH 10 E		
		24+68 E	30.7' RT	1
		27+72 E	42.6' RT	1
		USH 10 W		
		35+02 W	31.6' LT	1
		35+02 W	42.5' LT	1
		36+33 W	42.5' LT	1
	STAGE 3B SUBTOTAL			5
PROJECT 1022-00-79 TOTALS				**7**

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CRASH CUSHIONS TEMPORARY

CATEGORY	STAGE	LOCATION	OFFSET	614.0905 (EACH)	BACK WIDTH	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0010										
	STAGE 1A									
		IH 94 (WESTBOUND)								
		80+97 WB	35.0 LT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
	STAGE 1A SUBTOTAL			1						
	STAGE 1B									
		IH 94 (EASTBOUND)								
		40+00 EB	2.0 LT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER ON INSIDE SHOULDER
		IH 94 (WESTBOUND)								
		103+50 WB	2.0 RT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON INSIDE SHOULDER
		230+50 WB	2.0 RT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON INSIDE SHOULDER
	STAGE 1B SUBTOTAL			3						
	STAGE 2A									
		IH 94 (EASTBOUND)								
		IH 94 TEMP ROAD								
		38+46 EB	3.0 LT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON INSIDE SHOULDER
		43+70 TR	27.0 RT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
		60+10 TR	27.0 RT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON RAMP GORE
		135+37 TR	27.0 RT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
		191+66 TR	27.0 RT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
		SWA TEMP RAMP								
		74+56 SWA	17.8 RT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
	STAGE 2A SUBTOTAL			6						
	STAGE 2B									
		IH 94 (EASTBOUND)								
		90+17 EB	5.0 RT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER ON INSIDE SHOULDER
		94+50 SWB	17.0' RT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
	STAGE 2B SUBTOTAL			2						
PROJECT 1022-00-79 SUBTOTALS				12						

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CRASH CUSHIONS TEMPORARY

CATEGORY	STAGE	LOCATION	OFFSET	614.0905 (EACH)	BACK WIDTH	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0010	PROJECT 1022-00-79 SUBTOTALS			12						
	STAGE 3A, PHASE 2									
		IH 94 (EASTBOUND)								
		69+09 EB	34.4 RT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
		IH 94 TEMP ROAD EB								
		100+97 TRE	27.0 LT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
		103+89 TRE	3.0 RT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
		146+92 TRE	3.0 RT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER ON INSIDE SHOULDER
		203+31 TRE	3.0 RT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER ON INSIDE SHOULDER
		NEA TEMP RAMP								
		704+18 NEA	18.0 LT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
	STAGE 3A, PHASE 2 SUBTOTAL			6						
	STAGE 3B									
		SEA TEMP RAMP								
		103+97 SEA	3.7 RT	1	4	OM-3C (WO5-58M)	TL-3	BIDIRECTIONAL	LT & RT	TEMPORARY CONCRETE BARRIER ON RAMP GORE
	STAGE 3B SUBTOTAL			1						
	STAGE 3C									
		IH 94 (WESTBOUND)								
		63+53 WB	8.3 RT	1	4	OM-3R (WO5-58R)	TL-3	UNIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER ON OUTSIDE SHOULDER
		SEB TEMP RAMP								
		136+94 SEB	3.6 RT	1	4	OM-3C (WO5-58M)	TL-3	BIDIRECTIONAL	LT & RT	TEMPORARY CONCRETE BARRIER ON RAMP GORE
	STAGE 3C SUBTOTAL			2						
	STAGE 4A									
		IH 94 (WESTBOUND)								
		103+50 WB	3.0 RT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	RT	OPENING FOR CONSTRUCTION ACCESS AT MAINT XOVER
		245+00 WB	3.0 RT	1	4	OM-3L (WO5-58L)	TL-3	UNIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER ON INSIDE SHOULDER
	STAGE 4A SUBTOTAL			2						
	MAINTENANCE ACCESS VARIOUS STAGES			2						
PROJECT 1022-00-79 TOTALS				**25**						

GUARDRAIL

CATEGORY	STAGE	LOCATION	OFFSET	614.0220 STEEL THRIE BEAM BULLNOSE TERMINAL (EACH)	614.0230 STEEL THRIE BEAM (LF)	614.1000 MGS GUARDRAIL TEMPORARY (LF)	614.1200 MGS GUARDRAIL TEMPORARY TERMINAL EAT (EACH)	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)
0010											
	STAGE 1B										
		IH 94 (WESTBOUND)									
		41+90 WB - 42+90 WB	RT	---	---	---	---	50	---	1	---
		IH 94 (TEMPORARY ROAD)									
			LT	---	---	175	1	---	---	---	---
	STAGE 1B SUBTOTAL			---	---	175	1	50	---	1	---
	STAGE 2C, PHASE 1										
		IH 94 (EASTBOUND)									
		234+76 EB - 237+12 EB	RT	---	---	---	---	150	39.4	1	---
	STAGE 2C, PHASE 1 SUBTOTAL			---	---	---	---	150.0	39.4	1	---
	STAGE 2C, PHASE 1										
		IH 94 (EASTBOUND)									
			LT	---	---	---	---	250	39.4	1	---
	STAGE 2C, PHASE 1 SUBTOTAL			---	---	---	---	250.0	39.4	1	---
	STAGE 2C, PHASE 2										
		IH 94 (WESTBOUND)									
		236+15 WB - 240+15 WB	LT	---	---	---	---	300.0	39.4	---	1
	STAGE 2C, PHASE 2 SUBTOTAL			---	---	---	---	300.0	39.4	---	1
	STAGE 3B										
		IH 94 (WESTBOUND)									
		97+85 WB - 105+73 WB	LT	---	---	---	---	725	---	1	1
		115+37 WB - 118+00 WB	LT	---	---	---	---	212.5	---	1	1
	STAGE 3B SUBTOTAL			---	---	---	---	937.5	---	2	2
	STAGE 4B										
		IH 94 (EASTBOUND)									
		73+77 EB - 76+34 EB	LT	2	250	---	---	---	---	---	---
	STAGE 4B SUBTOTAL			2	250	---	---	0.0	0.0	0	---
PROJECT 1022-00-79 TOTALS				**2**	**250**	**175**	**1**	**1687.5**	**118.2**	**5**	**3**

FENCE WOVEN WIRE 4-FT

CATEGORY	STAGE	LOCATION	616.0100 (LF)
0010			
	STAGE 2A		
		IH 94 (EASTBOUND)	
		201+17 EB - 224+87 EB	253
	STAGE 2A SUBTOTAL		253
	STAGE 3B		
		IH 94 (WESTBOUND)	
		110+12 WB - 110+47 WB	35
		141+33 WB - 143+23 WB	191
		218+70 WB - 222+00 WB	330
		USH 10 (EASTBOUND)	
		25+12 E - 26+46 E	64
		USH 10 (WESTBOUND)	
		34+41 W - 34+97 W	73
	STAGE 3B SUBTOTAL		693
	UNDISTRIBUTED		214
PROJECT 1022-00-79 TOTALS			**1,160**

WATER

CATEGORY	TASK	624.0100 (MGAL)
0010		
	DUST CONTROL	1,700
	COMPACTION	1,700
PROJECT 1022-00-79 TOTALS		**3,400**

LANDSCAPING

CATEGORY	STAGE	LOCATION	625.0500 SALVAGED TOPSOIL (SY)	627.0200 MULCHING (SY)	628.2002 EROSION MAT CLASS I TYPE A (SY)	628.2023 EROSION MAT CLASS II TYPE B (SY)	629.0210 FERTILIZER TYPE B (CWT)	630.0120 SEEDING MIXTURE NO. 20 (LB)	630.0130 SEEDING MIXTURE NO. 30 (LB)	630.0140 SEEDING MIXTURE NO. 40 (LB)	630.0300 SEEDING BORROW PIT (LB)	630.0200 SEEDING TEMPORARY (LB)	630.0500 SEED WATER (MGAL)
0010													
	STAGE 1												
		IH 94 TEMP ROAD											
		38+55 TR - 235+78 TR	43,997	---	35,870	8,126	36	1,188	249	---	238	1,562	82
		SWA TEMP RAMP											
		90+50 SWA - 94+89 SWA	1,225	---	1,225	---	1	33	8	---	7	46	2
	STAGE 1 SUBTOTAL		45,222	---	37,096	8,126	37	1,221	258	---	244	1,607	84
	STAGE 2												
		IH 94 (WESTBOUND)											
		230+50 WB - 240+19 WB	4,693	---	4,693	---	4	127	18	---	---	154	9
		IH 94 (EASTBOUND)											
		49+05 EB - 230+00 EB	17,342	---	6,985	10,357	27	468	451	---	94	1,145	32
		230+00 EB - 237+00 EB	384	---	384	---		10	7	---	---	20	1
		SW RAMP (EB ON-RAMP)											
		81+92 SW - 94+00 SW	1,693	---	1,693	---	1	46	8	---	---	58	3
	STAGE 2 SUBTOTAL		24,112	---	13,755	10,357	33	651	484	---	94	1,378	45
	STAGE 3												
		IH 94 (WESTBOUND)											
		49+36 WB - 239+60 WB	10,713	---	7,740	2,973	15	289	246	---	---	658	20
		IH 94 TEMP ROAD EB											
		50+00TRE-92+00TRE	4480	---	889	3591	3	121	---	---	24	---	8
		NE RAMP (WB ON-RAMP)											
		105+26 NE - 111+74 NE	2,943	---	2,943	---	2	79	6	---	---	88	6
		SE RAMP (WB OFF-RAMP)											
		130+32 SE - 131+06 SE	953	---	953	---	1	26	---	---	---	26	2
		USH 10 (EASTBOUND)											
		23+51 E - 27+44 E	1,986	---	1,986	---	1	---	2	57	2	57	4
		USH 10 (WESTBOUND)											
		33+80 W - 37+32 W	1,092	---	1,092	---	1	---	3	33	2	33	2
	STAGE 3 SUBTOTAL		22,167	---	15,603	6,564	23	515	256	90	28	862	43
	STAGE 4												
		IH 94 (WESTBOUND)											
		38+55 TR - 235+78 TR	86,524	13,652	71,653	14,871	68	2,336	389	---	---	2,920	162
	STAGE 4 SUBTOTAL		86,524	13,652	71,653	14,871	68	2,336	389	---	---	2,920	162
		UNDISTRIBUTED	17,775	6,348	20,693	5,982	239	1,176	313	10	134	832	16
PROJECT 1022-00-79 TOTALS			**195,800**	**20,000**	**158,800**	**45,900**	**400**	**5,900**	**1,700**	**100**	**500**	**7,600**	**350**

EROSION CONTROL

CATEGORY	STAGE	LOCATION	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)	628.7504 TEMPORARY DITCH CHECKS (LF)	628.7555 CULVERT PIPE CHECKS (EACH)	628.7560 TRACKING PADS (EACH)
0010							
	STAGE 1						
		IH 94 (WESTBOUND)					
		40+68 WB	---	---	---	---	1
		IH 94 (EASTBOUND)					
		39+66 EB	---	---	---	---	1
		63+28 EB	---	---	---	---	1
		IH 94 TEMP ROAD					
		38+21 TR -51+08 TR	---	---	16	8	---
		51+08 TR -102+77 TR	472	1,180	384	46	---
		102+77 TR -180+46 TR	6,362	15,905	272	4	---
		180+46 TR -235+78 TR	3,085	7,713	208	---	---
		NW RAMP (EB OFF-RAMP)					
		63+60 NW	---	---	---	---	1
		SWA TEMP RAMP					
		74+00 SWA - 74+36 SWA	428	1,070	---	4	2
		UNDISTRIBUTED	1,301	3,252	224	---	---
	STAGE 1 SUBTOTAL		11,648	29,120	1,104	62	6
	STAGE 2						
		IH 94 (EASTBOUND)					
		49+05 EB - 52+51 EB	353	647	16	4	1
		52+51 EB - 104+36 EB	2,088	3,828	624	12	2
		104+36 EB - 182+14 EB	14,186	26,008	144	72	---
		182+14 EB - 231+90 EB	2,119	3,885	656	24	1
		231+90 EB - 237+50 EB	961	2,403	---	---	2
		IH 94 (WESTBOUND)					
		225+06 WB - 240+19 WB	2,662	6,655	16	---	3
		IH 94 TEMP ROAD					
		95+05 TR	---	---	---	---	1
		MAINTENANCE CROSSOVER					
		104+35 MC	---	---	---	---	1
		182+00 MC	---	---	---	---	1
		NW RAMP (EB OFF-RAMP)					
		60+69 NW	---	---	---	---	1
		SW RAMP (EB ON-RAMP)					
		81+92 SW - 94+00 SW	234	429	160	---	1
		SWA TEMP RAMP					
		70+00 SWA	---	---	---	---	1
		UNDISTRIBUTED	1,994	3,720	400	---	---
	STAGE 2 SUBTOTAL		24,597	47,574	2,016	112	15
	STAGE 3						
		IH 94 (WESTBOUND)					
		49+36 WB - 52+49 WB	---	---	32	6	1
		52+49 WB - 104+18 WB	2,205	5,880	144	58	4
		104+18 WB - 181+82 WB	1,444	3,851	528	83	---
		181+82 WB - 239+60 WB	241	643	384	58	---
		NE RAMP (WB ON-RAMP)					
		105+26 NE - 111+74 NE	842	2,245	64	---	2
		SE RAMP (WB OFF-RAMP)					
		130+32 SE - 131+06 SE	---	---	32	4	2
		SEA TEMP RAMP					
		98+70 SEA - 108+39 SEA	365	973	---	---	---
		USH 10 (EASTBOUND)					
		30+50 E	---	---	---	---	2
		32+66 E	---	---	---	---	2
		23+51 E - 27+44 E	642	1,712	---	---	1
		USH 10 (WESTBOUND)					
		28+87 W	---	---	---	---	2
		31+05 W	---	---	---	---	2
		33+80 W - 37+32 W	638	1,701	---	---	1
		UNDISTRIBUTED	249	663	24	---	---
	STAGE 3 SUBTOTAL		6,626	17,669	1,208	209	19
	STAGE 4						
		IH 94 (WESTBOUND)					
		49+36 WB - 52+49 WB	---	---	80	4	---
		52+49 WB - 104+18 WB	294	206	384	---	---
		104+18 WB - 181+82 WB	2,184	1,529	464	---	---
		181+82 WB - 240+19 WB	3,427	2,399	304	4	1
		UNDISTRIBUTED	590	414	310	---	---
	STAGE 4 SUBTOTAL		6,500	4,548	1,542	8	1
PROJECT 1022-00-79 TOTALS			**49,370**	**98,910**	**5,870**	**391**	**41**

INLET PROTECTION

CATEGORY	STAGE	LOCATION	OFFSET	628.7020 TYPE D (EACH)
0010				
	STAGE 1			
		IH 94 TEMP ROAD		
		51+78 TR	RT	1
		60+95 TR	RT	1
		134+55 TR	LT	1
		SW RAMP (EB ON-RAMP)		
		83+60 SW	LT	1
	STAGE 1 SUBTOTAL			4
	STAGE 3			
		IH 94 (EASTBOUND)		
		53+06 EB	LT	1
		IH 94 TEMP ROAD EB		
		53+15 TRE	LT	1
		59+93 TRE	LT	1
		87+60 TRE	LT	1
		91+65 TRE	RT	1
		USH 10 (WESTBOUND)		
		35+02 W	RT	1
		36+34 W	RT	1
		38+27 W	RT	1
	STAGE 3 SUBTOTAL			8
	STAGE 4			
		IH 94 (EASTBOUND)		
		53+06 EB	LT	1
	STAGE 4 SUBTOTAL			1
PROJECT 1022-00-79 TOTALS				**13**

POLYETHYLENE SHEETING

CATEGORY	STAGE	LOCATION	OFFSET	628.5505 POLYETHYLENE SHEETING (SY)
0010				
	STAGE 3AP1			
		IH 94 TEMP ROAD		
		83E+00 TR - 94+00 TRE	LT	1350
	STAGE 3AP1 SUBTOTAL			1350
		UNDISTRIBUTED		150
PROJECT 1022-00-79 TOTALS				**1500**

EROSION CONTROL MOBILZATION

CATEGORY	STAGE	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
0010			
	STAGE 1A	1	1
	STAGE 1B	4	3
	STAGE 2C, PHASE 1	1	1
	STAGE 2C, PHASE 2	1	1
	STAGE 2A	3	2
	STAGE 2B	1	1
	STAGE 3A	2	1
	STAGE 3B	4	3
	STAGE 3C	4	3
	STAGE 4A	1	1
	STAGE 4B	1	1
	UNDISTRIBUTED	2	2
PROJECT 1022-00-79 TOTALS		**25**	**20**

TEMPORARY PEDESTRIAN ACCESS

CATEGORY	STAGE	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD (SF)	644.1601 TEMPORARY CURB RAMP (DAYS)	644.1810 TEMPORARY PEDESTRIAN BARRICADE (LF)
0010				
	STAGE 3B	16	50	425
PROJECT 1022-00-79 TOTALS		**16**	**50**	**425**

TRAFFIC CONTROL SIGNS FIXED MESSAGE

CATEGORY	SIGN #	SIGN SIZE W (IN)	X	H (IN)	643.1000 (SF)
0010					
	S2-01	114	X	96	76.00
	S3-01	90	X	108	67.50
	S3-02	90	X	108	67.50
PROJECT 1022-00-79 TOTALS					**211.00**

DELINEATOR ITEMS

CATEGORY	LOCATION	204.0180 REMOVING DELINEATORS AND MARKERS: DELINEATORS (EACH)	204.0180 REMOVING DELINEATORS AND MARKERS: MARKERS (EACH)	633.0100 DELINEATOR: POSTS STEEL (EACH)	633.0500 DELINEATOR REFLECTORS: WHITE (EACH)	633.0500 DELINEATOR REFLECTORS: YELLOW (EACH)
0010						
	IH 94 (WESTBOUND)					
	49+36 WB - 240+15 WB	54	33	54	48	6
	IH 94 (EASTBOUND)					
	49+05 EB - 237+09 EB	54	33	54	48	6
	NW RAMP (EB OFF-RAMP)					
	60+00 NW - 65+14 NW	6	2	3	3	---
	SW RAMP (EB ON-RAMP)					
	81+92 SW - 89+99 SW	8	2	8	8	---
	NE RAMP (WB ON-RAMP)					
	100+89 NE - 109+50 NE	9	---	9	9	---
	SE RAMP (WB OFF-RAMP)					
	129+32 SE - 133+99 SE	7	---	7	7	---
	USH 10 (EASTBOUND)					
	20+00 E - 25+00 E	---	1	---	---	---
	USH 10 (WESTBOUND)					
	26+00 W - 36+00 W	---	1	---	---	---
PROJECT 1022-00-79 TOTALS		138	72	**133**	121	12
			210			**133**

TRAFFIC CONTROL

CATEGORY	STAGE	# OF DAYS (DAY)	638.2102 [A] MOVING SIGNS TYPE II (EACH)	638.4000 [A] MOVING SMALL SIGN SUPPORTS (EACH)	643.0300 DRUMS (DAY)	643.0410 BARRICADES TYPE II (DAY)	643.0420 BARRICADES TYPE III (DAY)	643.0705 WARNING LIGHTS TYPE A (DAY)	643.0715 WARNING LIGHTS TYPE C (DAY)	643.0800 ARROW BOARDS (DAY)	643.0900 SIGNS (DAY)	643.0910 COVERING SIGNS [B] TYPE I (EACH)	643.0920 COVERING SIGNS [B] TYPE II (EACH)	643.1050 SIGNS PCMS (DAY)	643.4100.S INTERIM LANE CLOSURE (EACH)	SPV.0060.001 ONE SIDED VERTICAL PANELS (EACH)
0010																
	STAGE 1A	10	1	2	3300	---	40	80	160	20	470	---	---	28	10	---
	STAGE 1B	95	2	3	27800	---	400	800	1600	295	4620	---	---	---	100	---
	STAGE 2A	120	11	13	33600	---	4800	9600	6720	240	8040	1	---	28	120	---
	STAGE 2B	90	6	8	32400	---	2700	5400	3690	180	6210	---	---	---	90	---
	STAGE 2C1	6	---	---	1140	---	38	76	212	28	318	---	---	---	2	---
	STAGE 2C2	6	---	---	1200	---	38	76	212	28	318	---	---	---	2	---
	STAGE 3A1	21	---	---	11490	---	160	320	640	80	1236	---	---	28	40	21
	STAGE 3A2	21	9	18	6690	---	899	1798	1160	40	1920	2	1	---	20	---
	STAGE 3B	105	22	29	32800	160	3920	7840	5120	240	9360	3	2	---	40	---
	STAGE 3C	30	16	26	13500	---	1610	3220	2450	100	3420	2	1	---	20	---
	STAGE 4A	60	---	---	31800	---	400	800	640	80	3360	---	---	---	40	---
	STAGE 4B	7	---	---	5150	---	80	160	320	40	576	---	---	---	20	---
	UNDISTRIBUTED	---	13	11	5130	20	915	330	576	129	1152	---	3	28	16	9
PROJECT 1022-00-79 TOTALS			**80**	**110**	**206,000**	**180**	**16,000**	**30,500**	**23,500**	**1,500**	**41,000**	**8**	**7**	**112**	**520**	**30**

[A] REFER TO "REMOVING AND MOVING SIGNS" TABLE FOR ADDITONAL QUANTITIES

[B] ONE CYCLE FOR EACH SIGN

BASIC TRAFFIC QUEUE WARNING SYSTEM (QWS)

CATEGORY	LOCATION	STAGES	NO. OF DAYS (DAY)	FLASHING BEACON SIGNS (FBS) (EACH)	643.1205.S BASIC TRAFFIC QUEUE WARNING SYSTEM (DAY)
0010					
	IH 94 EB	1A-4B	200	3	200
	IH 94 WB	1A-4B	320	3	320
PROJECT 1022-00-79 TOTALS					**520**

PERMANENT SIGNING TYPE I

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE W IN	X	SIGN SIZE H IN	637.1220 SIGNS TYPE I REFLECTIVE SH (SF)	STEEL POST SHAPE	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS (LB)	531.1100 CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS (CY)	531.1140 STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS (LB)	NOTES
0010											
	8-01	D2-3	264	X	90	165.00	W10X22	1788	3	453	DESTINATION/DISTANCE (THREE DESTINATION)
PROJECT 1022-00-79 TOTALS						**165.00**		**1788**	**3.00**	**453.00**	

3

PERMANENT SIGNING TYPE II

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE W IN	X	SIGN SIZE H IN	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2215 SIGNS TYPE II FOLDING (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0612 POSTS WOOD 4X6-INCH X 12-FT (EACH)	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)	SIGN MOUNTED ON SAME POST AS	NOTES
0010														
	1-01	D10-2	12	X	36	3.00	---	---	1	---	---	---	---	MILEPOST MARKER (2 DIGITS)
	1-02	R3-4B	36	X	48	12.00	---	---	---	---	1	---	---	NO U TURN SIGN COMBINED W/MAINT&POLICE
	1-03	R3-4B	36	X	48	12.00	---	---	---	---	1	---	---	NO U TURN SIGN COMBINED W/MAINT&POLICE
	1-04	W3-3	36	X	36	---	---	9.00	---	---	---	1	---	SIGNAL AHEAD
	1-05	R7-64	48	X	30	10.00	---	---	---	---	1	---	---	NO PARKING ON RAMP
	1-06	E5-1A	72	X	60	30.00	---	---	---	---	---	2	---	EXIT NUMBER (ARROW) 1-4 DIGITS
	2-01	W4-1	48	X	48	---	---	16.00	---	---	---	2	---	MERGING TRAFFIC SYMBOL (RIGHT)
	2-02	R7-64	48	X	30	10.00	---	---	---	---	1	---	---	NO PARKING ON RAMP
	2-03	R5-57	36	X	36	9.00	---	---	---	---	1	---	---	PEDESTRIANS, ETC., PROHIBITED
	2-04	R5-1A	36	X	24	6.00	---	---	---	---	---	1	---	WRONG WAY
	2-06	R5-1A	36	X	24	6.00	---	---	---	---	---	---	2-07	WRONG WAY
	2-07	R3-8P	54	X	30	11.25	---	---	---	---	2	---	2-06	LEFT ONLY / LEFT, AHEAD / RIGHT ONLY
	2-08	D1-3	66	X	36	16.50	---	---	---	---	2	---	---	THREE DESTINATION (ARROWS)
	2-09	R3-8P	54	X	30	11.25	---	---	---	---	2	---	2-14	LEFT ONLY / LEFT, AHEAD / RIGHT ONLY
	2-10	J3-3	72	X	57	28.50	---	---	---	---	---	2	2-11	DIRECTIONAL ASSEMBLY
	2-11	R5-1A	36	X	24	6.00	---	---	---	---	---	---	2-10	WRONG WAY
	2-12A	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL	STOP SIGN (FOLDING)
	2-12B	R1-1F	36	X	36	---	7.46	---	---	---	---	---	3-04 & 3-05	STOP SIGN (FOLDING)
	2-12C	R1-1F	36	X	36	---	7.46	---	---	---	---	---	3-04 & 3-06	STOP SIGN (FOLDING)
	2-13	W12-1D	24	X	24	---	---	4.00	1	---	---	---	---	DOUBLE DOWN ARROW
	2-14	R5-1A	36	X	24	6.00	---	---	---	---	---	---	2-09	WRONG WAY
	2-15	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL & 2-17	STOP SIGN (FOLDING)
	2-16A	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL & 2-19	STOP SIGN (FOLDING)
	2-16B	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL	STOP SIGN (FOLDING)
	2-16C	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL	STOP SIGN (FOLDING)
	2-17	R6-3	24	X	18	3.00	---	---	---	---	---	---	SIGNAL & 2-15	DIVIDED HIGHWAY SIGN CROSSROAD
	2-18	R5-57	36	X	36	9.00	---	---	---	---	1	---	---	PEDESTRIANS, ETC., PROHIBITED
	2-19	R5-1-C	30	X	30	6.25	---	---	---	---	---	---	2-16	DO NOT ENTER CLIPPED
	2-20	R7-64	48	X	30	10.00	---	---	---	---	1	---	---	NO PARKING ON RAMP
	2-21	W4-1	48	X	48	---	---	16.00	---	---	---	2	---	MERGING TRAFFIC SYMBOL (RIGHT)
	2-22	J2-3	72	X	57	28.50	---	---	---	---	---	1	---	ROUTE TURN ASSEMBLY
	3-01	W3-3	48	X	48	---	---	16.00	---	---	---	1	3-02	SIGNAL AHEAD
	3-02	R5-1A	36	X	24	6.00	---	---	---	---	---	---	3-01	WRONG WAY
PROJECT 1022-00-79 SUBTOTALS						240.25	52.22	61.00	2	---	13	12		

3

PERMANENT SIGNING TYPE II

						637.2210	637.2215	637.2230	634.0612	634.0614	634.0616	634.0618		
			SIGN SIZE			SIGNS TYPE II			POSTS WOOD 4X6-INCH				SIGN MOUNTED	
CATEGORY	SIGN #	SIGN CODE	W IN	X	H IN	REFLECTIVE H (SF)	FOLDING (SF)	REFLECTIVE F (SF)	X 12-FT (EACH)	X 14-FT (EACH)	X 16-FT (EACH)	X 18-FT (EACH)	ON SAME POST AS	NOTES
0010	PROJECT 1022-00-79 SUBTOTALS					240.25	52.22	61.00	2	---	13	12		
	3-03	J2-1	24	X	57	9.50	---	---	---	---	---	1	---	ROUTE TURN ASSEMBLY
	3-04	R5-1	30	X	30	6.25	---	---	---	---	---	---	SIGNAL & 3-05	DO NOT ENTER
	3-05	W12-1D	24	X	24	---	---	4.00	---	---	---	---	SIGNAL & 3-04	DOUBLE DOWN ARROW
	3-06	R1-2	36	X	31	3.88	---	---	---	---	1	---	---	YIELD
	3-07	J2-3	72	X	57	28.50	---	---	---	---	---	2	---	ROUTE TURN ASSEMBLY
	4-01	R5-1	30	X	30	6.25	---	---	---	---	---	---	4-02	DO NOT ENTER
	4-02	J3-1	24	X	57	9.50	---	---	---	---	---	1	4-01	DIRECTIONAL ASSEMBLY
	4M-03	D1-3	66	X	36	---	---	---	---	---	2	---	---	BEGIN RIGHT TURN LANE (ARROW)
	4-04	R5-1-C	30	X	30	6.25	---	---	---	---	---	---	SIGNAL & 4-05	DO NOT ENTER CLIPPED
	4-05	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL & 4-04	STOP SIGN (FOLDING)
	4-06	W12-1D	24	X	24	---	---	4.00	1	---	---	---	---	DOUBLE DOWN ARROW
	4-07	R6-3	24	X	18	3.00	---	---	---	---	---	---	SIGNAL & 4-08	DIVIDED HIGHWAY SIGN CROSSROAD
	4-08A	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL & 4-07	STOP SIGN (FOLDING)
	4-08B	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL	STOP SIGN (FOLDING)
	4-09A	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL	STOP SIGN (FOLDING)
	4-09B	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL	STOP SIGN (FOLDING)
	4-10A	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL	STOP SIGN (FOLDING)
	4-10B	R1-1F	36	X	36	---	7.46	---	---	---	---	---	SIGNAL	STOP SIGN (FOLDING)
	5-01	D1-3	66	X	36	16.50	---	---	---	---	2	---	---	THREE DESTINATION (ARROWS)
	5-02	J3-3	72	X	57	28.50	---	---	---	---	---	2	---	DIRECTIONAL ASSEMBLY
	5-03	R7-64	36	X	30	7.50	---	---	---	---	1	---	---	NO PARKING ON RAMP
	5-04	E5-1A	72	X	60	30.00	---	---	---	---	---	2	---	EXIT NUMBER (ARROW) 1-4 DIGITS
	5-05	W3-3	36	X	36	---	---	9.00	---	---	---	1	---	SIGNAL AHEAD
	5-06	J2-3	72	X	57	28.50	---	---	---	---	---	2	---	ROUTE TURN ASSEMBLY
	6-01	D10-2	12	X	36	3.00	---	---	1	---	---	---	---	MILEPOST MARKER (2 DIGITS)
	6-02	R3-4B	36	X	48	12.00	---	---	---	---	1	---	---	NO U TURN SIGN COMBINED W/MAINT&POLICE
	6-03	R3-4B	36	X	48	12.00	---	---	---	---	1	---	---	NO U TURN SIGN COMBINED W/MAINT&POLICE
	6-04	J4-1	36	X	51	12.75	---	---	---	---	---	1	---	REASSURANCE ASSEMBLY
	6-05	D10-2	12	X	36	3.00	---	---	1	---	---	---	---	MILEPOST MARKER (2 DIGITS)
	7-01	R2-1	48	X	60	20.00	---	---	---	---	---	2	---	SPEED LIMIT 70 MPH
	7-02	R4-3	48	X	60	20.00	---	---	---	---	---	2	---	SLOWER TRAFFIC KEEP RIGHT
	8-02	R8-7	48	X	36	12.00	---	---	---	---	1	---	---	EMERGENCY STOPPING ONLY
	10-01	D10-2	12	X	36	3.00	---	---	1	---	---	---	---	MILEPOST MARKER (2 DIGITS)
	10-02	D10-2	12	X	36	3.00	---	---	1	---	---	---	---	MILEPOST MARKER (2 DIGITS)
	11-01	R3-4B	36	X	48	12.00	---	---	---	---	1	---	---	NO U TURN SIGN COMBINED W/MAINT&POLICE
	11-02	R3-4B	36	X	48	12.00	---	---	---	---	1	---	---	NO U TURN SIGN COMBINED W/MAINT&POLICE
	13-01	D10-2	12	X	36	3.00	---	---	1	---	---	---	---	MILEPOST MARKER (2 DIGITS)
	13-02	D10-2	12	X	36	3.00	---	---	1	---	---	---	---	MILEPOST MARKER (2 DIGITS)
	14-01	I2-2	114	X	21	16.63	---	---	---	2	---	---	---	TREMPEALEAU CO SIGN
	14-02	I2-2	84	X	21	12.25	---	---	---	2	---	---	---	JACKSON CO SIGN
	15-01	R2-1	48	X	60	20.00	---	---	---	---	---	2	---	SPEED LIMIT 70 MPH
PROJECT 1022-00-79 TOTALS						**604.00**	**104.44**	**78.00**	**9**	**4**	**24**	**30**		

3

REMOVING AND MOVING SIGNS

CATEGORY	SIGN #	SIGN CODE	638.2102 [A] MOVING SIGNS TYPE II (EACH)	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)	* REMOVING CONCRETE SIGN POST BASE	SIGN MOUNTED ON SAME POST AS	NOTES
0010										
	1R-01	D10-2	---	---	1	1	---	---	---	MILEPOST MARKER (2 DIGITS)
	1R-02	R3-4B	---	---	1	1	---	---	---	NO U TURN SIGN COMBINED W/MAINT&POLICE
	1R-03	R3-4B	---	---	1	1	---	---	---	NO U TURN SIGN COMBINED W/MAINT&POLICE
	1R-04	W3-3	---	---	1	1	---	---	---	SIGNAL AHEAD
	1R-05	R7-64	---	---	1	1	---	---	---	NO PARKING ON RAMP
	1R-06	E5-1A	---	---	1	2	---	---	---	EXIT NUMBER (ARROW) 1-4 DIGITS
	1R-07	J2-2	---	---	1	1	---	---	---	ROUTE TURN ASSEMBLY
	2R-01	W4-1R	---	---	1	2	---	---	---	MERGING TRAFFIC SYMBOL (RIGHT)
	2R-02	R7-64	---	---	1	1	---	---	---	NO PARKING ON RAMP
	2R-03	R5-57	---	---	1	1	---	---	---	PEDESTRIANS, ETC., PROHIBITED
	2R-04	R5-1A	---	---	---	---	---	---	2R-05	WRONG WAY
	2R-05	J3-2	---	---	1	2	---	---	2R-04	DIRECTIONAL ASSEMBLY
	2R-06	R5-1A	---	---	---	---	---	---	2R-07	REASSURANCE ASSEMBLY & ROUTE TURN ASSEMBLY
	2R-07	R3-8P	---	---	1	2	---	---	2R-06	LEFT ONLY / LEFT, AHEAD / RIGHT ONLY
	2R-08	D1-3	---	---	1	1	---	1	---	THREE DESTINATION (ARROWS)
	2R-09	R3-8P	---	---	1	2	---	---	2R-14	LEFT ONLY / LEFT, AHEAD / RIGHT ONLY
	2R-10	J3-2	---	---	1	2	---	---	2R-11	DIRECTIONAL ASSEMBLY
	2R-11	R5-1A	---	---	---	---	---	---	2R-10	WRONG WAY
	2R-12	R1-1F	---	---	1	---	---	---	---	STOP SIGN (FOLDING)
	2R-13	W12-1D	---	---	1	1	---	---	---	DOUBLE DOWN ARROW
	2R-14	R5-1A	---	---	---	---	---	---	2R-09	WRONG WAY
	2R-15	R1-1F	---	---	1	1	---	---	SIGNAL & 2R-17	STOP SIGN (FOLDING)
	2R-16	R1-1F	---	---	1	1	---	---	SIGNAL & 2R-19	STOP SIGN (FOLDING)
	2R-17	R6-3	---	---	---	---	---	---	SIGNAL & 2R-15	DIVIDED HIGHWAY SIGN CROSSROAD
	2R-18	R5-57	---	---	1	1	---	---	---	PEDESTRIANS, ETC., PROHIBITED
	2R-19	R5-1	---	---	---	---	---	---	SIGNAL & 2R-16	DO NOT ENTER
	2R-20	R7-64	---	---	1	1	---	---	---	NO PARKING ON RAMP
	2R-21	W4-1R	---	---	1	2	---	---	---	MERGING TRAFFIC SYMBOL (RIGHT)
	3R-01	W3-3	---	---	1	1	---	---	3R-02	SIGNAL AHEAD
	3R-02	R5-1A	---	---	---	---	---	---	3R-01	WRONG WAY
	3R-03	J2-2	---	---	1	1	---	---	---	ROUTE TURN ASSEMBLY
	3R-04	R5-1	---	---	1	---	---	---	SIGNAL	DO NOT ENTER
	3R-05	J3-3	---	---	1	2	---	---	---	DIRECTIONAL ASSEMBLY
	4R-01	R5-1	---	---	1	1	---	---	4R-02	DO NOT ENTER
	4R-02	J3-1	---	---	---	---	---	---	4R-01	DIRECTIONAL ASSEMBLY
PROJECT 1022-00-79 SUBTOTALS			---	---	27	33	---			

* NOT A BID ITEM. FOR INFORMATIONAL PURPOSES ONLY
[A] REFER TO "TRAFFIC CONTROL" TABLE FOR ADDITONAL QUANTITIES

3

REMOVING AND MOVING SIGNS

CATEGORY	SIGN #	SIGN CODE	638.2102 [A] MOVING SIGNS TYPE II (EACH)	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)	* REMOVING CONCRETE SIGN POST BASE	SIGN MOUNTED ON SAME POST AS	NOTES
0010	PROJECT 1022-00-79 SUBTOTALS		---	---	27	33	---			
	4M-03	D1-3	1	---	---	---	---	---	---	THREE DESTINATION (ARROWS)
	4R-04	R5-1	---	---	1	---	---	---	SIGNAL & 4R-05	DO NOT ENTER
	4R-05	R1-1F	---	---	---	---	---	---	SIGNAL & 4R-04	STOP SIGN (FOLDING)
	4R-06	W12-1D	---	---	1	1	---	1	---	DOUBLE DOWN ARROW
	4R-07	R6-3	---	---	---	---	---	---	SIGNAL & 4R-08	DIVIDED HIGHWAY SIGN CROSSROAD
	4R-08	R1-1F	---	---	1	---	---	---	SIGNAL & 4R-07	STOP SIGN (FOLDING)
	4R-09	R1-1F	---	---	1	---	---	---	SIGNAL	STOP SIGN (FOLDING)
	4R-10	J3-3	---	---	1	2	---	2	---	DIRECTIONAL ASSEMBLY
	5R-01	D1-3	---	---	1	1	---	---	---	THREE DESTINATION (ARROWS)
	5R-02	J2-3	---	---	1	2	---	---	---	ROUTE TURN ASSEMBLY
	5R-03	R7-64	---	---	1	1	---	---	---	NO PARKING ON RAMP
	5R-04	E5-1A	---	---	1	2	---	---	---	EXIT NUMBER (ARROW) 1-4 DIGITS
	5R-05	W3-3	---	---	1	1	---	---	---	SIGNAL AHEAD
	6R-01	D10-2	---	---	1	1	---	---	---	MILEPOST MARKER (2 DIGITS)
	6R-02	R3-4B	---	---	1	1	---	---	---	NO U TURN SIGN COMBINED W/MAINT&POLICE
	6R-03	R3-4B	---	---	1	1	---	---	---	NO U TURN SIGN COMBINED W/MAINT&POLICE
	6R-04	J4-1	---	---	1	1	---	---	---	REASSURANCE ASSEMBLY
	6R-05	D10-2	---	---	1	1	---	---	---	MILEPOST MARKER (2 DIGITS)
	6R-06	D2-3	---	1	---	---	2	---	---	DESTINATION/DISTANCE (THREE DESTINATION)
	6R-07	R2-1	---	---	1	2	---	---	---	SPEED LIMIT 70 MPH
	8R-01	R4-3	---	---	1	2	---	---	---	SLOWER TRAFFIC KEEP RIGHT
	8R-02	R8-7	---	---	1	1	---	---	---	EMERGENCY STOPPING ONLY
	10R-01	D10-2	---	---	1	1	---	---	---	MILEPOST MARKER (2 DIGITS)
	10R-02	D10-2	---	---	1	1	---	---	---	MILEPOST MARKER (2 DIGITS)
	13R-01	D10-2	---	---	1	1	---	---	---	MILEPOST MARKER (2 DIGITS)
	13R-02	D10-2	---	---	1	1	---	---	---	MILEPOST MARKER (2 DIGITS)
	14R-01	I2-2	---	---	1	2	---	---	---	COUNTY LINE NAME
	14R-02	I2-2	---	---	1	2	---	---	---	COUNTY LINE NAME
	15R-01	R2-1	---	---	1	1	---	---	---	SPEED LIMIT 70 MPH
PROJECT 1022-00-79 TOTALS			**1**	**1**	**52**	**62**	**2**			

* NOT A BID ITEM. FOR INFORMATIONAL PURPOSES ONLY

[A] REFER TO "TRAFFIC CONTROL" TABLE FOR ADDITONAL QUANTITIES

MARKING REMOVAL LINE

CATEGORY	STAGE	LOCATION	646.9000 4-INCH WHITE SOLID (LF)	646.9000 4-INCH WHITE 12.5' SEG, 37.5' GAP (LF)	646.9000 4-INCH YELLOW SOLID (LF)	646.9100 8-INCH WHITE SOLID (LF)
0010						
	STAGE 2A					
		IH 94 (WESTBOUND)				
		45+50 WB - 93+00 WB	3,163	1,186	4,750	1,505
		IH 94 (EASTBOUND)				
		39+66 EB - 80+76 EB	180	148	719	---
		NW RAMP (EB OFF-RAMP)				
		63+82 NW - 65+15 NW	---	---	133	---
		SW RAMP (EB ON-RAMP)				
		78+01 SW - 79+51 SW	---	---	149	---
	STAGE 2A SUBTOTAL		3,343	1,334	5,751	1,505
	STAGE 2C, PHASE 1					
		IH 94 (WESTBOUND)				
			2,308	175	---	---
		IH 94 (EASTBOUND)				
		228+60 EB - 240+50 EB	150	100	1,560	---
	STAGE 2C, PHASE 1 SUBTOTAL		2,458	275	1560	---
	STAGE 2C, PHASE 2					
		IH 94 (WESTBOUND)				
		226+50 WB - 243+50 WB	---	---	763	---
		IH 94 (EASTBOUND)				
		214+00 EB - 242+00 EB	350	---	305	---
	STAGE 2C, PHASE 2 SUBTOTAL		350	---	1,068	---
	STAGE 3A, PHASE 2					
		IH 94 (WESTBOUND)				
		40+00 WB - 45+50 WB	---	138	550	---
		NE RAMP (WB ON-RAMP)				
		110+27 NE - 112+03 NE	---	---	176	---
	STAGE 3A, PHASE 2 SUBTOTAL		---	138	726	---
	STAGE 3B					
		SW RAMP (EB ON-RAMP)				
		76+60 SW	110	---	---	---
		SE RAMP (WB OFF-RAMP)				
		122+55 SE - 124+32 SE	---	---	147	---
		USH 10 (EASTBOUND)				
		32+90 E - 33+41 E	---	---	---	51
		USH 10 (WESTBOUND)				
		39+00 W - 42+04 W	---	118	---	---
	STAGE 3B SUBTOTAL		110	118	147	51
	STAGE 3C					
		USH 10 (EASTBOUND)				
		29+03 E - 24+70 E	567	108	---	55
		USH 10 (WESTBOUND)				
		27+06 W - 32+34 W	496	15	---	58
	STAGE 3C SUBTOTAL		1,063	123	---	113
PROJECT 1022-00-79 TOTALS			7,325	1,988	9,253	**1,670**
				18,566		

MARKING

CATEGORY	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW SOLID (LF)	646.1020 MARKING LINE EPOXY 4-INCH WHITE SOLID (LF)	646.1020 MARKING LINE EPOXY 4-INCH WHITE 12.5' SEG, 37.5' GAP (LF)	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH YELLOW (LF)	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE (LF)	646.1555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 12.5' SEG, 37.5' GAP (LF)	646.3020 MARKING LINE EPOXY 8-INCH WHITE (LF)	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) SOLID (LF)	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' SEG, 9' GAP (LF)
0010										
	IH 94 (WESTBOUND)									
	40+00 WB - 257+00 WB	---	---	---	20,350	19,071	5,190	---	1,037	105
	IH 94 (EASTBOUND)									
	39+65 EB - 242+00 EB	---	---	---	20,084	19,010	4,940	---	832	104
	NW RAMP (EB OFF-RAMP)									
	60+00 NW - 65+14 NW	---	---	---	181	---	---	---	357	---
	SW RAMP (EB ON-RAMP)									
	76+83 SW - 79+69 SW	---	---	---	168	171	---	---	---	---
	81+92 SW - 89+99 SW	---	---	---	331	802	---	---	385	---
	NE RAMP (WB ON-RAMP)									
	100+89 NE - 111+92 NE	---	---	---	628	856	---	---	390	---
	112+93 NE - 115+24 NE	---	---	---	---	187	---	---	---	---
	SE RAMP (WB OFF-RAMP)									
	122+85 SE - 133+99 SE	---	---	---	147	694	---	---	510	---
	USH 10 (EASTBOUND)									
	20+00 E - 27+44 E	---	418	95	---	---	---	416	---	---
	29+03 E - 34+70 E	212	570	80	---	---	---	124	---	---
	USH 10 (WESTBOUND)									
	27+07 W - 32+24 W	212	494	81	---	---	---	125	---	---
	33+80 W - 42+04 W	---	320	118	---	---	---	225	---	---
PROJECT 1022-00-79 TOTALS		424	1,802	374	41,889	40,791	**10,130**	**890**	3,511	209
			2,600			**82,680**				**3,720**

MARKING

CATEGORY	LOCATION	646.5020 MARKING ARROW EPOXY (EACH)	646.5120 MARKING WORD EPOXY (EACH)	646.6120 MARKING STOP LINE EPOXY 18-INCH (LF)	646.6220 MARKING YIELD LINE EPOXY 18-INCH (LF)	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (LF)	646.8120 MARKING CURB EPOXY (LF)	646.8220 MARKING ISLAND NOSE EPOXY (EACH)
0010								
	SW RAMP (EB ON-RAMP)							
	76+83 SW - 79+69 SW	---	---	---	---	111	---	---
	USH 10 (EASTBOUND)							
	20+00 E - 27+44 E	2	1	25	18	39	30	1
	USH 10 (WESTBOUND)							
	33+80 W - 42+04 W	2	1	15	---	---	---	---
PROJECT 1022-00-79 TOTALS		**4**	**2**	**40**	**18**	**150**	**30**	**1**

TEMPORARY MARKING LINE

			633.1100	649.0120			649.0150				649.0220		649.0250		649.0770
				TEMPORARY MARKING LINE											TEMPORARY MARKING
				EPOXY 4-INCH			REMOVABLE TAPE 4-INCH				EPOXY 8-INCH		REMOVABLE TAPE 8-INCH		RAISED
			DELINEATORS	WHITE	WHITE	YELLOW	WHITE	WHITE	WHITE	YELLOW	WHITE	WHITE	WHITE	WHITE	PAVEMENT MARKER
			TEMPORARY	SOLID	12.5' SEG, 37.5' GAP	SOLID	SOLID	3' SEG, 9' GAP	12.5' SEG, 37.5' GAP	SOLID	SOLID	3' SEG, 9' GAP	SOLID	3' SEG, 9' GAP	TYPE II
CATEGORY	STAGE	LOCATION	(EACH)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(EACH)
0010															
		STAGE 2A													
		IH 94 (WESTBOUND)													
		43+91 WB - 94+60 WB	---	---	---	---	4,818	68	983	4,750	---	---	---	---	---
		IH 94 TEMP ROAD													
		36+55 TR - 235+78 TR	106	17,909	4,181	19,745	934	---	---	---	---	---	---	---	232
		60+00 NWA - 66+70 NWA	10	---	---	---	1,237	149	---	425	---	---	200	---	---
		SWA TEMP RAMP													
		70+27 SWA - 79+05 SWA	---	---	---	---	1,778	53	---	640	---	---	200	---	---
	STAGE 2A SUBTOTAL		116	17,909	4,181	19,745	8,767	270	983	5,815	0	---	400	---	232
		STAGE 2B													
		IH 94 (EASTBOUND)													
		42+84 EB - 60+55 EB	---	---	---	---	1,564	---	---	1,521	---	---	200	---	---
		IH 94 TEMP ROAD													
		52+87 TR - 58+82 TR	---	595	---	---	---	---	---	---	---	---	---	---	---
		80+70 TR - 103+20 TR	---	684	---	---	1,444	---	---	1,115	---	---	200	19	---
	STAGE 2B SUBTOTAL		---	1,279	---	---	3,008	---	---	2,636	---	---	400	19	---
PROJECT 1022-00-79 SUBTOTALS			116	19,188	4,181	19,745	11,775	270	983	8,451	0	0	800	19	232

TEMPORARY MARKING LINE

CATEGORY	STAGE	LOCATION	633.1100	649.0120			649.0150				649.0220		649.0250		649.0770
				TEMPORARY MARKING LINE											
				EPOXY 4-INCH			REMOVABLE TAPE 4-INCH				EPOXY 8-INCH		REMOVABLE TAPE 8-INCH		TEMPORARY MARKING RAISED
			DELINEATORS TEMPORARY	WHITE SOLID	WHITE 12.5' SEG, 37.5' GAP	YELLOW SOLID	WHITE SOLID	WHITE 3' SEG, 9' GAP	WHITE 12.5' SEG, 37.5' GAP	YELLOW SOLID	WHITE SOLID	WHITE 3' SEG, 9' GAP	WHITE SOLID	WHITE 3' SEG, 9' GAP	PAVEMENT MARKER TYPE II
			(EACH)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(EACH)
0010	PROJECT 1022-00-79 SUBTOTALS		116	19,188	4,181	19,745	11,775	270	983	8,451	0	---	800	19	232
	STAGE 2C														
		IH 94 (WESTBOUND)													
		45+50 WB - 93+00 WB	---	3,164	1,238	4,752	---	---	---	---	1,505	---	---	---	---
		IH 94 (EASTBOUND)													
		44+50 EB - 99+50 EB	---	4,481	1,375	5,500	---	---	---	---	832	104	---	---	---
	STAGE 2C SUBTOTAL		---	7,645	2613	10,252	---	---	---	---	2,337	104	---	---	---
	STAGE 2C, PHASE 1														
		IH 94 (WESTBOUND)													
		225+50 WB - 257+00 WB	26	---	---	---	2,312	---	---	3,507	---	---	---	---	---
		IH 94 (EASTBOUND)													
		214+00 EB - 240+50 EB	26	---	---	---	2,044	---	---	3,246	---	---	---	---	---
	STAGE 2C, PHASE 1 SUBTOTAL		52	---	---	---	4,356	---	---	6,753	---	---	---	---	---
	STAGE 2C, PHASE 2														
		IH 94 (WESTBOUND)													
		226+50 WB - 257+00 WB	---	---	---	---	3,053	---	---	1,700	---	---	---	---	---
		IH 94 (EASTBOUND)													
		214+00 EB - 242+00 EB	20	---	---	---	2,641	---	---	1,191	---	---	---	---	---
	STAGE 2C, PHASE 2 SUBTOTAL		20	---	---	---	5,694	---	---	2,891	---	---	---	---	---
	STAGE 3A, PHASE 2														
		IH 94 (WESTBOUND)													
		90+62 WB - 105+46 WB	---	---	---	---	1,299	67	---	1,118	---	---	200	---	---
		IH 94 (EASTBOUND)													
		42+50 EB - 99+50 EB	19	---	---	---	4,831	149	1,100	5,280	---	---	1,400	---	---
		IH 94 TEMP ROAD EB													
		40+60 TRE - 240+59 TRE	78	18,368	1,516	20,064	---	---	---	---	1,878	---	---	---	37
		NEA TEMP RAMP													
		700+00 NEA - 710+99 NEA	10	---	---	---	2,036	---	---	722	---	---	200	53	---
	STAGE 3A, PHASE 2 SUBTOTAL		107	18,368	1,516	20,064	8,166	216	1,100	7,120	1,878	---	1,800	53	37
	PROJECT 1022-00-79 SUBTOTALS		294	45,201	8,309	50,061	29,991	486	2,083	25,215	4,215	104	2,600	71	269

TEMPORARY MARKING LINE

CATEGORY	STAGE	LOCATION	633.1100 DELINEATORS TEMPORARY (EACH)	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH WHITE SOLID (LF)	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH WHITE 12.5' SEG, 37.5' GAP (LF)	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH YELLOW SOLID (LF)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE SOLID (LF)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE 3' SEG, 9' GAP (LF)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE 12.5' SEG, 37.5' GAP (LF)	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW SOLID (LF)	649.0220 TEMPORARY MARKING LINE EPOXY 8-INCH WHITE SOLID (LF)	649.0220 TEMPORARY MARKING LINE EPOXY 8-INCH WHITE 3' SEG, 9' GAP (LF)	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH WHITE SOLID (LF)	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH WHITE 3' SEG, 9' GAP (LF)	649.0770 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (EACH)
0010	PROJECT 1022-00-79 SUBTOTALS		294	45,201	8,309	50,061	29,991	486	2,083	25,215	4,215	104	2,600	71	269
	STAGE 3B														
		IH 94 TEMP ROAD EB													
		83+91 TRE - 105+54 TRE	---	377	---	---	---	---	---	---	---	---	200	162	---
		NW RAMP (EB OFF-RAMP)													
		65+53 NW - 72+48 NW	---	---	---	---	---	---	---	705	---	---	---	---	---
		SEA TEMP RAMP													
		98+70 SEA - 108+39 SEA	---	---	---	---	1,254	---	---	721	---	---	---	---	---
		USH 10 (EASTBOUND)													
		20+00 E - 34+60 E	---	---	---	---	2,362	---	---	---	---	---	---	---	---
		USH 10 (WESTBOUND)													
		27+00 W - 42+04 W	---	---	---	---	1,443	---	---	---	---	---	---	---	---
	STAGE 3B SUBTOTAL		---	377	---	---	5,059	---	---	1,426	---	---	200	162	---
	STAGE 3C														
		IH 94 (WESTBOUND)													
		89+80 WB - 130+69 WB	4	---	---	---	---	---	---	4,084	---	---	---	---	---
		IH 94 TEMP ROAD EB													
		60+72 TRE - 105+54 TRE	---	1,452	---	---	660	---	---	316	200	20	---	---	---
		SE RAMP (WB OFF-RAMP)													
		121+68 SE - 127+30 SE	---	---	---	---	---	---	---	561	---	---	---	---	---
		SEA TEMP RAMP													
		130+65 SEA - 138+86 SEA	---	---	---	---	689	33	---	596	---	---	200	---	---
		USH 10 (EASTBOUND)													
		20+00 E - 34+60 E	---	---	---	---	607	---	---	1,321	---	---	166	---	---
		USH 10 (WESTBOUND)													
		27+00 W - 42+04 W	---	---	---	---	497	---	---	1,449	---	---	136	---	---
	STAGE 3C SUBTOTAL		4	1,452	---	---	2,453	33	---	8,327	200	20	502	---	---
PROJECT 1022-00-79 TOTALS			**298**	47,030	8,309	50,061	37,503	519	2,083	34,968	4,415	123	3,302	233	**269**
					105,400			**75,073**				**4,538**		**3,535**	

3

CONSTRUCTION STAKING

CATEGORY	STAGE	LOCATION	OFFSET	650.4000 STORM SEWER (EACH)	650.4500 SUBGRADE (LF)	650.5000 BASE (LF)	650.5500 CURB GUTTER AND CURB & GUTTER (LF)	650.7000 CONCRETE PAVEMENT (LF)	650.9000 CURB RAMPS (EACH)	650.9920 SLOPE STAKES (LF)
0010										
	STAGE 1A									
		NWA TEMP RAMP								
		63+00 NWA - 64+56 NWA	---	---	156	156	---	---	---	156
		SWA TEMP RAMP								
		70+00 SWA - 75+00 SWA	---	---	500	500	---	---	---	500
	STAGE 1A SUBTOTAL			---	656	656	---	---	---	656
	STAGE 1B									
		IH 94 TEMP ROAD								
		49+63 TR - 229+37 TR	---	5	18,900	18,900	---	---	---	18,900
	STAGE 1B SUBTOTAL			5	18,900	18,900	---	---	---	18,900
	STAGE 2A									
		IH 94 (EASTBOUND)								
		49+4 EB - 61+00 EB	---	---	1,135	---	---	1,135	---	1,135
		82+00 EB - 142+00 EB	---	---	15,000	---	---	15,000	---	15,000
		NW RAMP (EB OFF-RAMP)								
		60+25 NW - 60+67 NW	---	---	---	---	---	69	---	---
		SW RAMP (EB ON-RAMP)								
		81+92 SW - 90+00 SW	---	---	800	---	---	1,208	---	800
		SWB TEMP RAMP								
		93+00 SWB - 96+00 SWB	---	---	350	350	---	---	---	350
	STAGE 2A SUBTOTAL			---	17,285	350	---	17,412	---	17,285
	STAGE 2B									
		SWA TEMP RAMP								
		70+00 SWA - 75+50 SWA	---	---	500	---	---	---	---	500
	STAGE 2B SUBTOTAL			---	500	---	---	---	---	500
		STAGE 2C								
		IH 94 TEMP ROAD EB								
		48+00 TRE - 92+00 TRE	---	5	4,400	4,400	---	---	---	4,400
	STAGE 2C SUBTOTAL			5	4,400	4,400	---	---	---	4,400
PROJECT 1022-00-79 SUBTOTALS				10	41,741	24,306	0	17,412	0	41,741

3

CONSTRUCTION STAKING

CATEGORY	STAGE	LOCATION	OFFSET	650.4000 STORM SEWER (EACH)	650.4500 SUBGRADE (LF)	650.5000 BASE (LF)	650.5500 CURB GUTTER AND CURB & GUTTER (LF)	650.7000 CONCRETE PAVEMENT (LF)	650.9000 CURB RAMPS (EACH)	650.9920 SLOPE STAKES (LF)
0010	PROJECT 1022-00-79 SUBTOTALS			10	41,741	24,306	---	17,412	---	41,741
	STAGE 2C, PHASE 1									
		IH 94 (WESTBOUND)								
		230+50 WB - 239+60 WB	---	---	910	910	---	---	---	910
		IH 94 (EASTBOUND)								
		232+00 EB - 237+00 EB	---	---	500	500	---	---	---	500
		IH 94 TEMP ROAD								
		229+37 TR - 235+64 TR	---	---	627	627	---	---	---	627
		IH 94 TEMP WIDENING								
		219+33 XO - 239+87 XO	---	---	2,054	2,054	---	---	---	2,054
	STAGE 2C, PHASE 1 SUBTOTAL			---	4,091	4,091	---	0	---	4,091
	STAGE 2C, PHASE 2									
		IH 94 (WESTBOUND)								
		230+50 WB - 239+60 WB	---	---	910	910	---	---	---	910
		IH 94 (EASTBOUND)								
		232+00 EB - 237+00 EB	---	---	500	500	---	---	---	500
	STAGE 2C, PHASE 2 SUBTOTAL			---	1,410	1410	---	0	---	1,410
	STAGE 3A, PHASE 2									
		IH 94 (WESTBOUND)								
		40+75 WB - 65+00 WB	---	---	1,400	---	---	1,400	---	1,400
		75+00 WB - 142+00 WB	---	---	700	---	---	700	---	700
		IH 94 TEMP ROAD EB								
		48+01 TRE - 95+92 TRE	---	---	4,599	4,599	---	---	---	4,599
		NEA TEMP RAMP								
		705+32 NEA - 711+00 NEA	---	---	568	568	---	---	---	568
		SEA TEMP RAMP								
		99+00 SEA - 104+83 SEA	---	---	582	582	---	---	---	582
	STAGE 3A, PHASE 2 SUBTOTAL			---	7,849	5,749	---	2,100	---	7,849
PROJECT 1022-00-79 SUBTOTALS				10	55,091	35,556	---	19,512	---	55,091

CONSTRUCTION STAKING

CATEGORY	STAGE	LOCATION	OFFSET	650.4000 STORM SEWER (EACH)	650.4500 SUBGRADE (LF)	650.5000 BASE (LF)	650.5500 CURB GUTTER AND CURB & GUTTER (LF)	650.7000 CONCRETE PAVEMENT (LF)	650.9000 CURB RAMPS (EACH)	650.9920 SLOPE STAKES (LF)
0010	PROJECT 1022-00-79 SUBTOTALS			10	55,091	35,556	---	19,512	---	55,091
	STAGE 3B									
		IH 94 (WESTBOUND)								
		70+75 WB - 239+60 WB	---	---	16,346	---	---	16,346	---	16,346
		SW RAMP (EB ON-RAMP)								
		76+45 SW	RT	---	---	---	---	---	1	---
		76+18 SW - 78+49 SW	RT	---	233	---	---	233	---	233
		NE RAMP (WB ON-RAMP)								
		100+00 NE - 109+50 NE	---	---	950	---	---	950	---	950
		112+93 NE - 115+04 NE	---	---	216	---	---	216	---	216
		SE RAMP (WB OFF-RAMP)								
		129+32 SE - 133+64 SE	---	---	467	---	---	467	---	467
		SEB TEMP RAMP								
		132+35 SEB - 136+35 SEB	---	---	400	400	---	---	---	400
		USH 10 (EASTBOUND)								
		27+72 E	RT	1	---	---	---	---	---	---
		27+37 E	RT	---	---	---	---	---	1	---
		27+46 E	RT	---	---	---	---	---	1	---
		23+69 E - 27+44 E	---	---	375	---	---	375	---	375
		23+69 E - 27+65 E	RT	---	---	---	406	---	---	---
		27+02 E - 27+68 E	RT	---	---	---	156	---	---	---
		USH 10 (WESTBOUND)								
		35+02 W	LT	1	---	---	---	---	---	---
		36+33 W	LT	1	---	---	---	---	---	---
		33+79 W - 37+32 W	LT	---	---	---	358	---	---	---
		33+80 W - 37+32 W	---	---	349	---	---	349	---	349
	STAGE 3B SUBTOTAL			3	19,336	400	920	18,936	3	19,336
	STAGE 3C									
		IH 94 (WESTBOUND)								
		40+75 WB - 142+00 WB	---	---	1,772	---	---	1,772	---	1,772
		SEA TEMP RAMP								
		99+00 SEA - 104+83 SEA	---	---	583	---	---	---	---	583
		NEA TEMP RAMP								
		705+32 NEA - 711+00 NEA	---	---	568	---	---	---	---	568
	STAGE 3C SUBTOTAL			---	2,923	---	---	1,772	---	2,923
	STAGE 3C									
		IH 94 (EASTBOUND)								
		231+50 EB - 237+00 EB	---	---	550	---	---	---	---	550
	STAGE 3C SUBTOTAL			---	550	---	---	---	---	550
PROJECT 1022-00-79 TOTALS				**13**	**77,900**	**35,956**	**920**	**40,220**	**3**	**77,900**

TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH

SPV.0165.001

CATEGORY	STAGE	LOCATION	(SF)
0010			
	STAGE 1B		
		IH 94 TEMP ROAD	
		196+33 TR - 197+17 TR	675
	STAGE 1B SUBTOTAL		675
PROJECT 1022-00-79 TOTALS			**675**

3

RAMP CLOSURE GATE REMOVALS

CATEGORY	BASE NO.	LOCATION	204.0195 * REMOVING CONCRETE BASES EACH	653.0905* REMOVING PULL BOXES EACH	674.0300 * REMOVE CABLE LF
0010					
USH 10 & IH 94 RAMPS					
	G61-01	SC2 TO G61-01	--	--	278
	G61-03	28+19'E', 65' RT	1	--	--
	SP1	28+27'E', 61' RT	1	--	--
	PB1	28+22' E', 63' RT	--	1	--
		PROJECT 1022-00-79 TOTALS	2	1	278

*REFER TO "TRAFFIC SIGNAL REMOVALS" TABLE FOR ADDITIONAL QUANTITIES

BASES

CATEGORY	BASE NO.	LOCATION**	654.0105 CONCRETE BASES TYPE 5 EACH	657.0255 * TRANSFORMER BASE BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH
0010				
USH 10 & IH 94 RAMPS				
	G61-02	33+76'W', 83' LT	1	--
	G61-03	28+19'E', 58' RT	1	1
	G61-04	27+59'E', 54' RT	1	1
	G61-05	27+26'E', 44' RT	1	1
		PROJECT 1022-00-79 TOTALS	4	3

*REFER TO "TRAFFIC SIGNAL REMOVALS" TABLE FOR ADDITIONAL QUANTITIES

3

RAMP GATES

CATEGORY	BASE NO.	662.1024.S RAMP CLOSURE GATES 24-FT EACH	662.1030.S RAMP CLOSURE GATES 30-FT EACH	SPV.0060.009 SALVAGE & REINSTALL RAMP CLOSURE GATES EACH
0010				
USH 10 & IH 94 RAMPS				
	G61-02	1	--	--
	G61-03	--	--	1
	G61-04	--	1	--
	G61-05	1	--	--
	PROJECT 1022-00-79 TOTALS	2	1	1

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

3

TRAFFIC SIGNAL REMOVALS

CATEGORY	SIGNAL BASE NO.	LOCATION	204.0195 * REMOVING CONCRETE BASES EACH	653.0905 * REMOVING PULL BOXES EACH	674.0300 * REMOVE CABLE LF
0010					
USH 10 & IH 94 EASTBOUND RAMPS					
	SB47	27+61E, 56' RT	1	--	--
	SB48	27+20E, 38' RT	1	--	--
	SB45	SC3 TO SB45	--	--	306
	SB46	SC3 TO SB46	--	--	315
	SB47	SC3 TO SB47	--	--	221
	SB48	SC3 TO SB48	--	--	226
	FIBER OPTIC CABLE	SC3 TO SC2	--	--	1098
		SUBTOTAL	2	--	2166
USH 10 & IH 94 WESTBOUND RAMPS					
	PB40	33+98W, 46' LT	--	1	--
	SB20	36+19E, 51' RT	1	--	--
	SB28	33+81W, 49' LT	1	--	--
	SB29	34+08W, 42' LT	1	--	--
	SB26	SC2 TO SB26	--	--	307
	SB27	SC2 TO SB27	--	--	274
	SB28	SC2 TO SB28	--	--	204
	SB29	SC2 TO SB29	--	--	199
		SUBTOTAL	3	1	984
		PROJECT 1022-00-79 TOTALS	5	1	3,150

*REFER TO "RAMP CLOSURE GATE REMOVALS" TABLE FOR ADDITIONAL QUANTITIES

CONDUIT

CATEGORY	FROM	-	TO	652.0225+ CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235+ CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
0010					
USH 10 & IH 94 EASTBOUND RAMPS					
	PB18	-	PB31	35	35
	PB30	-	PB31	18	18
	PB31	-	SB47	8	--
	PB31	-	SB48	22	--
	PB31	-	PB32	--	68
	PB32	-	LB21	10	--
			SUBTOTAL	93	121
USH 10 & IH 94 WESTBOUND RAMPS					
	PB42	-	SB20	10	--
	PB39	-	PB40	34	34
	PB40	-	SB28	12	--
	PB40	-	SB29	9	--
	PB40	-	PB41	26	26
	PB42	-	SB20	8	--
			SUBTOTAL	99	60
			PROJECT 1022-00-79 TOTALS	192	181

+ REFER TO "PAVEMENT SENSOR CONDUIT" TABLE FOR ADDITIONAL QUANTITIES

CONCRETE BASES

CATEGORY	SIG. BASE NO.	LOCATION**	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH
0010				
USH 10 & IH 94 EASTBOUND RAMPS				
	LB21	27+32, 87' RT	--	1
	SB47	29+51E, 45' RT	--	1
	SB48	27+25E, 35' RT	1	--
		SUBTOTAL	1	2
USH 10 & IH 94 WESTBOUND RAMPS				
	SB20	36+22E, 51' RT	1	--
	SB28	33+90W, 56' RT	--	1
	SB29	34+09W, 49' LT	1	--
		SUBTOTAL	2	1
		PROJECT 1022-00-79 TOTALS	3	3

*REFER TO "RAMP CLOSURE GATE REMOVALS" TABLE FOR ADDITIONAL QUANTITIES

SALVAGE AND REINSTALL TRAFFIC SIGNAL EQUIPMENT

CATEGORY	LOCATION	SPV.0060.006 SALVAGE & REINSTALL TRAFFIC SIGNAL EQUIPMENT EACH	SPV.0060.007 SALVAGE & REINSTALL TRAFFIC SIGNAL EQUIPMENT EACH
0010			
	USH 10 & IH 94 EASTBOUND RAMPS	1	--
	SUBTOTAL	1	--
	USH 10 & IH 94 WESTBOUND RAMPS	--	1
	SUBTOTAL	--	1
	PROJECT 1022-00-79 TOTALS	1	1

PULL BOXES

CATEGORY	PULL BOX NO.	LOCATION**	653.0140 PULL BOXES STEEL 24X42-INCH EACH	653.0900 ADJUSTING PULL BOXES EACH	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
0010					
USH 10 & IH 94 EASTBOUND RAMPS					
	PB31	27+44E, 47' RT	--	1	2
	PB32	27+23E, 73' RT	1	--	--
		SUBTOTAL	1	1	2
USH 10 & IH 94 WESTBOUND RAMPS					
	PB40	34+02W, 56' LT	1	--	--
		SUBTOTAL	1	--	--
		PROJECT 1022-00-79 TOTALS	**2**	**1**	**2**

SIGNAL EQUIPMENT

CATEGORY	SIG. BASE NO.	657.0255 * TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0305 POLES TYPE 2 EACH	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0585 TROMBONE ARMS 15-FT EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH
0010							
USH 10 & IH 94 EASTBOUND RAMPS							
	SB47	1	1	--	1	--	1
	LB21	1	--	1	--	1	--
	SUBTOTAL	2	1	1	1	1	1
PROJECT 1022-00-79 TOTALS		2	1	1	1	1	1

*REFER TO "RAMP CLOSURE GATE REMOVALS" TABLE FOR ADDITIONAL QUANTITIES

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

3

TRAFFIC SIGNAL CABLE AND ELECTRICAL WIRE

CATEGORY	FROM	-	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF
0010										
USH 10 & IH 94 EASTBOUND RAMPS										
	SC3	-	SB41	--	--	--	--	--	--	156
	SC3	-	SB45	--	415	--	--	--	--	455
	SC3	-	SB46	--	368	--	--	--	--	--
	SC3	-	SB47	--	--	246	--	--	--	281
	SC3	-	SB48	--	--	263	--	--	--	--
	SB50	-	SB47	--	--	--	--	156	--	--
	SB47	-	SB48	--	--		--	60	--	--
	SB48	-	LB21	--	--	--	--	107	--	--
	LB21	-	SB45	--	--	--	--	205	--	--
	PB31	-	SB47	--	--	--	--	24	--	--
	PB32	-	LB21	--	--	--	--	30	--	--
	SB49	-	LB21	--	--	--	232	--	--	--
	SB47	-	HEAD 4E	40	--	--	--	--	--	--
	SB47	-	HEAD P6A	15	--	--	--	--	--	--
	SB48	-	HEAD 6A	21	--	--	--	--	--	--
	SB48	-	HEAD 5B	22	--	--	--	--	--	--
	LB21	-	LUMINAIRE	--	--	--	--	--	126	--
			SUBTOTAL	98	783	509	232	582	126	892
USH 10 & IH 94 WESTBOUND RAMPS										
	SC2	-	SB20	--	--	77	--	77	--	--
	SC2	-	SB21	--	--	--	--	--	--	168
	SC2	-	SB26	--	483	--	--	--	--	523
	SC2	-	SB27	--	448	--	--	--	--	--
	SC2	-	SB28	--	244	--	--	--	--	284
	SC2	-	SB29	--	--	242	--	--	--	--
	SB20	-	SB30	--	--	--	--	178	--	--
	SB30	-	SB29	--	--	--	--	132	--	--
	SB29	-	SB28	--	--	--	--	46	--	--
	SB28	-	SB27	--	--	--	--	145	--	--
	PB40	-	SB28	--	--	--	--	29	--	--
	SB25	-	SB28	-	--	--	261	--	--	--
	SB20	-	HEAD 8A	19	--	--	--	--	--	--
	SB20	-	HEAD P6D	15	--	--	--	--	--	--
	SB28	-	HEAD 8E	45	--	--	--	--	--	--
	SB28	-	LUMINAIRE	--	--	--	--	--	120	--
	SB29	-	HEAD 2A	21	--	--	--	--	--	--
	SB29	-	HEAD 1B	22	--	--	--	--	--	--
			SUBTOTAL	122	1175	319	261	607	120	975
PROJECT 1022-00-79 TOTALS				220	1,958	828	493	1,189	246	1,867

ELECTRICAL STAKING

CATEGORY	PROJECT	650.8500.001 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS LS
0010		
	1022-00-79	1
	SUBTOTAL	1
	PROJECT 1022-00-79 TOTALS	1

FIBER OPTIC

CATEGORY		678.0006 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 6-CT LF
0010		
	1022-00-79	1419
	SUBTOTAL	1419
	PROJECT 1022-00-79 TOTALS	1,419

TRAFFIC SIGNAL HEADS

CATEGORY	SIG. BASE NO.	HEAD NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
0010				
USH 10 & IH 94 EASTBOUND RAMPS				
	SB47	4E	1	--
	SB47	P6A	--	1
		SUBTOTAL	1	1
		PROJECT 1022-00-79 TOTALS	1	1

TEMPORARY TRAFFIC SIGNALS

CATEGORY	LOCATION	661.0200.01 TEMPORARY TRAFFIC SIGNAL EQUIPMENT EACH
0010		
	USH 10 & IH 94 EASTBOUND RAMPS	1
	SUBTOTAL	1
	PROJECT 1022-00-79 TOTALS	1

EMERGENCY VEHICLE PREEMPTION

CATEGORY	LOCATION	SPV.0060.010 INSTALL STATE FURNISHED EVP DETECTOR HEADS EACH	SPV.0060.011 EACH
0010			
	USH 10 & IH 94 EASTBOUND RAMPS	1	--
	SUBTOTAL	1	--
	USH 10 & IH 94 WESTBOUND RAMPS	--	1
	SUBTOTAL	--	1
	PROJECT 1022-00-79 TOTALS	1	1

PAVEMENT SENSOR CONDUIT AND WIRE

FROM - TO	652.0225 CONDUIT RIGID NONMETALLIC SHEDULE 40 *2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SHEDULE 40 *3-INCH LF	655.0610 ELECTRICAL WIRE LIGHTING +12 AWG LF	REMARKS
ALL ITEMS ARE CATEGORY 0010				
CB 100 - PB 100	--	25	98	--
CB 100 - PB 100	--	25	178	--
PB 100 - PB 101	100	--	116	--
PB 100 - PB 101	100	--	126	--
CB 200 - PB 200	--	25	148	--
CB 200 - PB 200	--	25	183	--
PB 200 - PB 201	100	--	116	--
PB 200 - PB 201	100	--	116	--
1022-00-79 SUBTOTALS	400	100	1,081	

* SEE "CONDUIT" TABLE FOR ADDITIONAL QUANTITIES
+ SEE "TRAFFIC SIGNAL CABLE AND ELECTRICAL WIRE" FOR ADDITIONAL QUANTITIES

PAVEMENT SENSOR PULLBOXES

PULLBOX NUMBER	STATION	OFFSET	R/L	653.0164 PULL BOXES NON-CONDUCTIVE 24 X 42-INCH EACH
ALL ITEMS ARE CATEGORY 0010				
PB 100	235+00WB	82.0'	LT	1
PB 101	235+00WB	32.0'	LT	1
PB 200	234+25EB	90.0'	RT	1
PB 201	234+25EB	40.0'	RT	1
1022-00-79 PROJECT TOTALS				4

PAVEMENT SENSOR ELECTRICAL CONTROLS

CABINET NUMBER	STATION	OFFSET	R/L	654.1239 CONCRETE CONTROL CABINET BASES ITS EACH	656.0200.001 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CB100) LS	656.0200.002 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CB200) LS	656.0500.001 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (CB100) LS	656.0500.002 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (CB200) EACH	SPV.0060.012 TRANSPORT AND INSTALL STATE FURNISHED ITS CONTROL CABINET (CB100) EACH	SPV.0060.013 TRANSPORT AND INSTALL STATE FURNISHED ITS CONTROL CABINET (CB200) EACH
ALL ITEMS ARE CATEGORY 0010										
CB100	235+25 WB	82.0'	LT	1	1	-	1	-	1	-
CB200	234+15 EB	90.0'	RT	1	--	1	--	1	-	1
1022-00-79 PROJECT TOTALS				2	1	1	1	1	1	1

SAWING

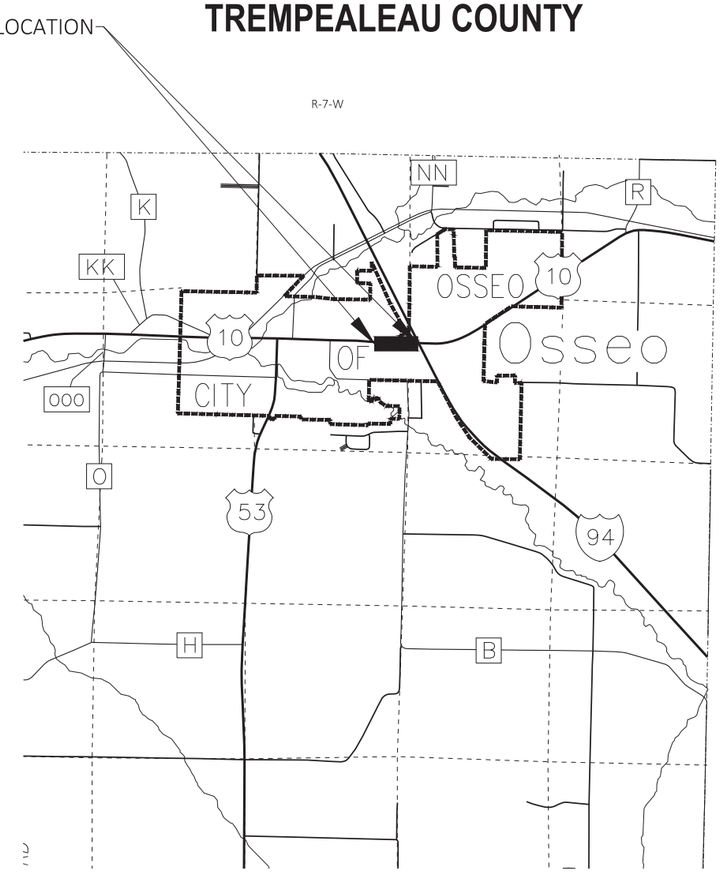
CATEGORY	STAGE	LOCATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)
0010				
	STAGE 1A			
		IH 94 (EASTBOUND)		
		63+26 EB - 64+13 EB	88	---
		79+19 EB - 79+70 EB	51	---
		NW RAMP (EB OFF-RAMP)		
		63+58 NW - 65+15 NW	163	---
		SW RAMP (EB ON-RAMP)		
		78+01 SW - 79+69 SW	182	---
	STAGE 1A SUBTOTAL		484	---
	STAGE 1B			
		IH 94 (WESTBOUND)		
		40+75 WB - 125+00 WB	8,427	---
		152+50 WB - 225+61 WB	7,311	---
		IH 94 (EASTBOUND)		
		40+00 EB - 48+00 EB	800	---
		61+82 EB - 62+77 EB	95	---
		79+40 EB - 79+96 EB	56	---
		80+00 EB - 80+80 EB	79	---
	STAGE 1B SUBTOTAL		16,768	---
	STAGE 2C, PHASE 1			
		IH 94 (WESTBOUND)		
		230+50 WB	10	12
		239+60 WB - 240+05 WB	---	54
		IH 94 (EASTBOUND)		
		229+50 EB - 232+00 EB	254	---
		232+00 EB - 237+35 EB	---	564
	STAGE 2C, PHASE 1 SUBTOTAL		254	564
	STAGE 2C, PHASE 2			
		IH 94 (WESTBOUND)		
		226+61 WB - 230+50 WB	974	---
		230+50 WB - 239+87 WB	---	974
		IH 94 (EASTBOUND)		
		232+00 EB	10	12
		237+00 EB - 237+18 EB	---	30
	STAGE 2C, PHASE 2 SUBTOTAL		984	1,016
	STAGE 2C			
		IH 94 TEMP ROAD		
		47+83 TR - 95+04 TR	4,776	---
	STAGE 2C SUBTOTAL		4,776	---

CATEGORY	STAGE	LOCATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)
0010				
	STAGE 3A, PHASE 1			
		IH 94 (WESTBOUND)		
		66+77 WB - 67+31 WB	54	---
		NE RAMP (WB ON-RAMP)		
		109+79 NE - 111+92 NE	222	---
	STAGE 3A, PHASE 1 SUBTOTAL		276	---
	STAGE 3A, PHASE 2			
		IH 94 (WESTBOUND)		
		81+50 WB	---	23
		84+00 WB	---	23
		SE RAMP (WB OFF-RAMP)		
		122+85 SE - 124+32 SE	154	---
	STAGE 3A, PHASE 2 SUBTOTAL		154	46
	STAGE 3B			
		IH 94 (WESTBOUND)		
		49+63 WB	13	25
		67+00 WB	---	24
		87+00 WB	---	26
		96+45 WB - 125+00 WB	2,857	---
		152+50 WB - 230+50 WB	7,799	---
		230+50 WB	14	24
		SW RAMP (EB ON-RAMP)		
		76+18 SW - 78+49 SW	---	235
		78+49 SW	5	---
		NE RAMP (WB ON-RAMP)		
		109+50 NE	5	15
		112+93 NE	5	---
		112+93 NE - 115+04 NE	---	218
		SE RAMP (WB OFF-RAMP)		
		129+21 SE	3	---
		129+32 SE	8	15
		USH 10 (EASTBOUND)		
		23+51 E	---	5
		23+69 E - 27+44 E	---	383
		USH 10 (WESTBOUND)		
		33+80 W - 37+32 W	---	352
	STAGE 3B SUBTOTAL		10,709	1,322

CATEGORY	STAGE	LOCATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)
0010				
	STAGE 3C			
		IH 94 TEMP ROAD EB		
		66+41 TRE - 67+51 TRE	110	---
		83+16 TRE - 84+10 TRE	94	---
		NE RAMP (WB ON-RAMP)		
		109+50 NE - 111+92 NE	242	---
		SE RAMP (WB OFF-RAMP)		
		122+85 SE - 124+32 SE	147	---
	STAGE 3C SUBTOTAL		593	---
	STAGE 4A			
		IH 94 (WESTBOUND)		
		40+75 WB - 45+71 WB	496	---
		230+50 WB - 239+83 WB	932	---
		IH 94 (EASTBOUND)		
		40+00 EB - 48+00 EB	800	---
		48+00 EB - 95+00 EB	4,730	---
		229+25 EB - 237+43 EB	820	---
	STAGE 4A SUBTOTAL		7,778	---
	UNDISTRIBUTED		74	52
PROJECT 1022-00-79 TOTALS			**42,850**	**3,000**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
1022-00-20
EAU CLAIRE - OSSEO
(CTH NN - EAST COUNTY LINE)
IH 94
TREMPEALEAU COUNTY

PROJECT LOCATION



THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1022-00-20

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS(M)),TREMPEALEAU 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.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY ¾" X 24" REBARS), 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 EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDUNG RIGHT-OF-WAY LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN EAU CLAIRE.

EXISTING ACCESS CONTROL ALONG USH 10 AND IH-94 ESTABLISHED FROM PREVIOUS PROJECT I-94-2 (5) 86.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 10 ESTABLISHED FROM PREVIOUS PROJECT 1023-04-21 AND CSM V. 4, P. 146 .
EXISTING HIGHWAY RIGHT-OF-WAY FOR IH 94 ESTABLISHED FROM PREVIOUS PROJECT 1023-04-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR RADCLIFF STREET ESTABLISHED FROM PREVIOUS PROJECT 1023-04-21 AND CSM V. 4, P. 146.
EXISTING HIGHWAY RIGHT-OF-WAY FOR COX LANE ESTABLISHED FROM CSM V. 7, P. 97.

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
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)

	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	RESTICTIVE 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

W WATER
G GAS
T TELEPHONE
OH OVERHEAD TRANSMISSION LINES
E ELECTRIC
TV CABLE TELEVISION
FO FIBER OPTIC
SAN SANITARY SEWER
SS STORM SEWER

LAYOUT
SCALE 0 0.5 MI.

PROJECT NUMBER	1022-00-20 - 4.01
SHEET	2 OF 2

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\RW\040101-RP.DWG
LAYOUT NAME: TITLE SHEET
PLOT DATE : 9/16/2015 3:04 PM PLOT BY : KL ENGINEERING PLOT NAME : _____
APPRAISAL PLAT DATE : _____
1022-00-20-4.01

TRANSPORTATION PROJECT PLAT NO: 1022-00-20- 4.01

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 4 OF CERTIFIED SURVEY MAPS PAGE 146 AS DOCUMENT # 327792, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 10, T24N, R7W, CITY OF OSSEO, TREMPEALEAU COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 EAU CLAIRE - OSSEO (CTH NN - EAST COUNTY LINE)

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 PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 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 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 SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

COURSE TABLE		
COURSE	BEARING	DISTANCE
100-101	N49° 21' 47"W	259.05'
101-102	N89° 04' 16"W	309.82'
102-103	N0° 43' 54"E	199.33'
103-104	S89° 17' 32"E	231.61'
104-105	N48° 09' 20"E	156.59'
105-106	S89° 09' 28"E	162.53'
106-100	S0° 50' 32"W	472.30'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE DEPARTMENT
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
1	OSSEO LLC, A MINNESOTA LIMITED LIABILITY COMPANY	TLE	----	----	----	3,271

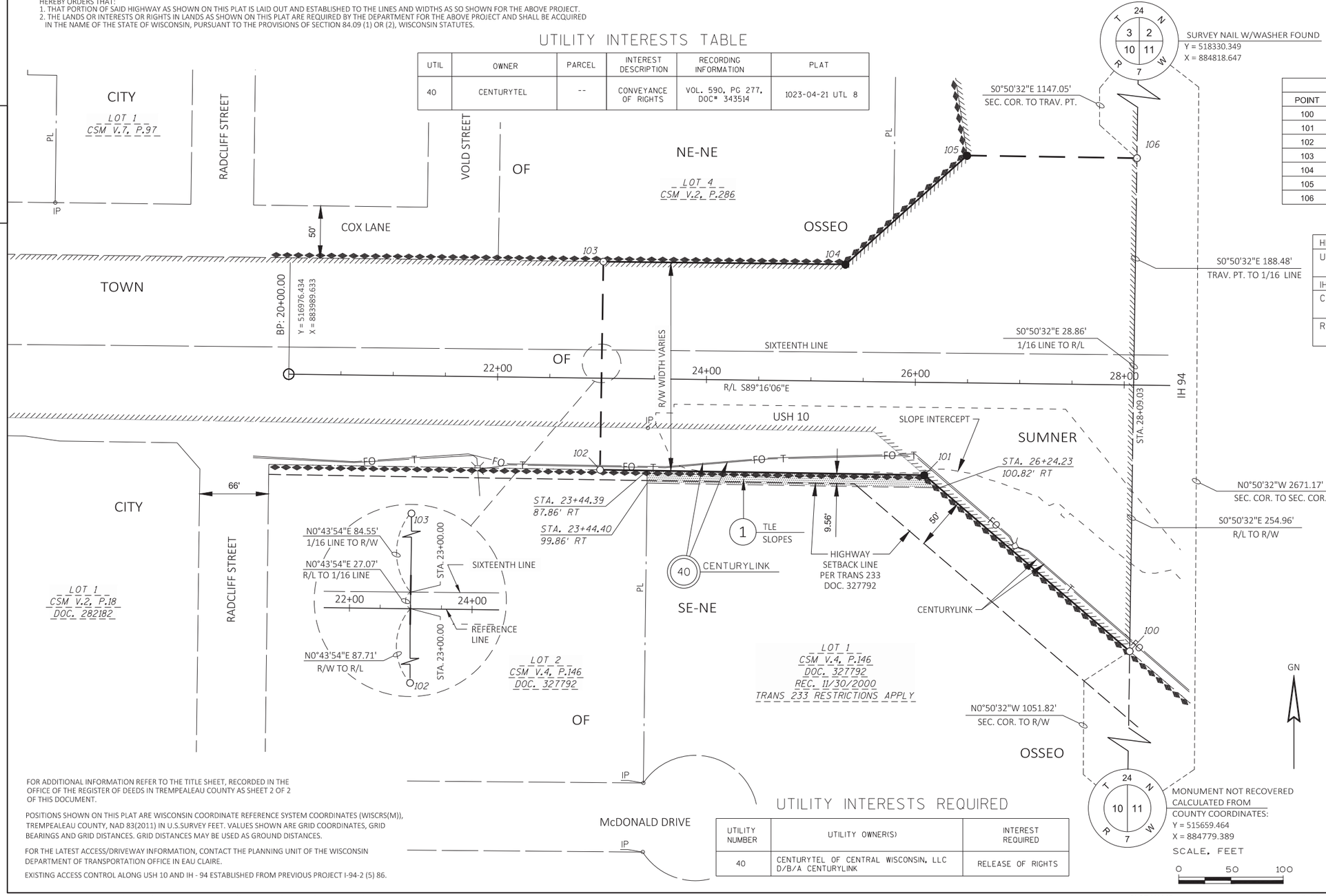
ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN TREMPEALEAU COUNTY, WISCONSIN AT 10:57 A.M ON May 01 2018 AS DOCUMENT # 450213 AND FILED IN Plat Cabinet A Page 135 & 136

SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1022-00-20 - 4.01
SHEET 1 OF 2

UTILITY INTERESTS TABLE

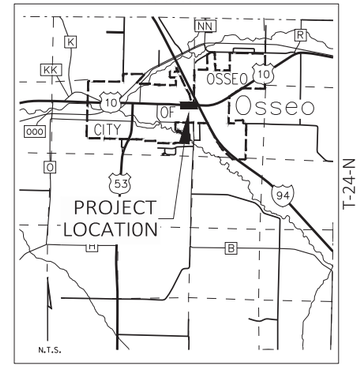
UTIL	OWNER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION	PLAT
40	CENTURYTEL	--	CONVEYANCE OF RIGHTS	VOL. 590, PG 277, DOC# 343514	1023-04-21 UTL 8



STATION OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
100	28+08.54	254.96'RT	516711.173	884794.848
101	26+09.82	88.77'RT	516879.881	884598.270
102	23+00.00	87.71'RT	516884.904	884288.489
103	23+00.00	111.62'LT	517084.213	884291.034
104	25+31.61	111.72'LT	517081.352	884522.623
105	26+46.92	217.66'LT	517185.815	884639.276
106	28+09.45	217.35'LT	517183.426	884801.789

HIGHWAY	R/W BASIS
USH 10	WISDOT R/W PLAT 1023-04-21 & CSM V. 4, P. 146
IH 94	WISDOT R/W PLAT 1023-04-21
COX LANE	CSM V. 7, P. 97
RADCLIFF STREET	WISDOT R/W PLAT 1023-04-21 & CSM V. 4, P. 146

LOCATION SKETCH
R-7-W



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN TREMPEALEAU COUNTY AS SHEET 2 OF 2 OF THIS DOCUMENT.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS(M)), TREMPEALEAU COUNTY, NAD 83(2011) IN U.S.SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN EAU CLAIRE.

EXISTING ACCESS CONTROL ALONG USH 10 AND IH - 94 ESTABLISHED FROM PREVIOUS PROJECT I-94-2 (5) 86.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
40	CENTURYTEL OF CENTRAL WISCONSIN, LLC D/B/A CENTURYLINK	RELEASE OF RIGHTS

KL Engineering
[A] Better Experience

I, TIMOTHY M. HELD, 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, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1022-00-20-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

APRIL 24, 2018
TIMOTHY M. HELD — DATE
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

APRIL 25, 2018
MICHAEL PILLER

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\RW\040101-RP.DWG
PLOT DATE : 4/24/2018 3:36 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE :
APPRAISAL PLAT DATE : _____

1022-00-20-4.01

UTILITY LEGEND

1	AT&T LEGACY	5	CITY OF OSSEO (WATER)
3	CINC	9	WE ENERGIES
12	XCEL ENERGY		

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
5	44+34.06 EB	56.0 RT	983.83	CUT X SE BOLT E POST GAS - EXIT 88 SIGN

WI DEPT NATURAL RESOURCES

EXISTING R/W

WETLAND BOUNDARY

RIPRAP

IH 94 WB

IH 94 EB

36+00WB 38+00WB 40+00WB 42+00WB 44+00WB 46+00WB 48+00WB

36+00EB 38+00EB 40+00EB 42+00EB 44+00EB 46+00EB 48+00EB

SLOPE INTERCEPT (TYP.)

IH 94 EB R/L

IH 94 WB R/L

BEGIN CONSTRUCTION
STA 40+00.00 EB
MATCH EXISTING
SAW CUT REQ'D

BM5

MATCH LINE STA. 49+00.00 EB

SEVERSON, MARIAN I

NORTHWEST REALTY INVESTMENT CO LLP.

OSSEO-FARICHILD SCHOOL

EXISTING PROFILE

EXISTING PROFILE ELEVATION

1010 1000 990 980 970

990.85 990.64 990.31 989.16 988.94 988.76 988.64 988.53 988.52 988.54 988.64 988.79 988.98 989.19 989.49 989.83 990.22 990.64 991.06 991.50 991.96 992.42 992.94

36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 293	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP-IH 94 EB.DWG
LAYOUT NAME - 1

PLOT DATE : 2/13/2021 1:18 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

CITY OF OSSEO

GLOBAL FINISHING SOLUTIONS LLC.

EXISTING R/W

UTILITY LEGEND
1 AT&T LEGACY
3 CINC

WETLAND BOUNDARY

STA. 52+48.45 EB
RECONSTRUCT
MAINTENANCE
CROSSOVER#1

NE RAMP (WB ON-RAMP) 100+00NE

50+00WB 52+00WB 54+00WB IH 94 WB 56+00WB 58+00WB 60+00WB 62+00WB

MATCH LINE STA. 49+00.00 EB

IH 94 WB R/L

IH 94 EB R/L

CONCRETE PAVEMENT GAPS
61+00 EB - 82+00 EB

50+00EB 52+00EB 54+00EB 56+00EB 58+00EB 60+00EB 62+00EB

IH 94 EB

SPECIAL DITCH

60+00NW

62+00NW

KNW RAMP (EB OFF-RAMP)

MATCH LINE STA. 63+00.00 EB

STA. 53+15 EB RT
REPLACE CULVERT PIPE
REMOVE SMALL PIPE CULVERT
89 LF - 29" x 45" METAL CULVERT PIPE

8M6

SIGN

SLOPE INTERCEPT (TYP.)

EXISTING R/W

WETLAND BOUNDARY

OSSEO INDUSTRIAL PROPERTIES, LLC.

SPECIAL DITCH

CITY OF OSSEO

OSSEO ACE HARDWARE & BUILDERS LLC.

CITY OF OSSEO

CITY OF OSSEO

CITY OF OSSEO

OSSEO INDUSTRIAL PROPERTIES LLC.

OSSEO INDUSTRIAL PROPERTIES LLC.

BEGIN PROJECT 1022-00-79
STA 49+04.56 EB
MATCH EXISTING
SAW CUT REQ'D

NORTHWEST REALTY INVESTMENT CO LLP.

BENCHMARKS

PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
6	54.94.99 EB	57.0 RT	994.25	CUT X NE BOLT E POST EXIT 88 10 OSSEO SIGN

VCL = 1000.00
K = 148314.38

STA 49+04.56 EB
EL 992.99

EXISTING PROFILE

0.93%

PROPOSED DESIGN PROFILE

STA. 59+78 EB
1-48-INCH CPRC TO REMAIN

SPECIAL DITCH PROFILE

STA 53+15 EB
88 LF CPRC HE CLASS HE-IV 29X45-INCH REQ'D
1-AEW FOR CPRC HE 29 X 45 INCH REQ'D, RT.
SKEW 13° RHF

VPC STA 56+00.00
VPC EL 999.48

VPI STA 61+00.00
VPI EL 1004.15

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

1020 1010 1000 990 980

992.94	993.41	993.41	993.86	993.88	994.34	994.35	994.83	994.82	995.29	995.28	995.78	995.75	996.28	996.22	996.69	996.68	997.17	997.15	997.62	997.62	998.10	998.08	998.60	998.55	999.13	999.02	999.64	999.48	1000.11	999.95	1000.56	1000.42	1001.04	1000.88	1001.54	1001.35	1002.02	1001.82	1002.45	1002.29	1002.89	1002.75	1003.37	1003.22	1003.86	1003.69	1004.30	1004.16	1004.77	1004.63	1005.27	1005.10	1005.78	1005.56	1006.44	1006.03

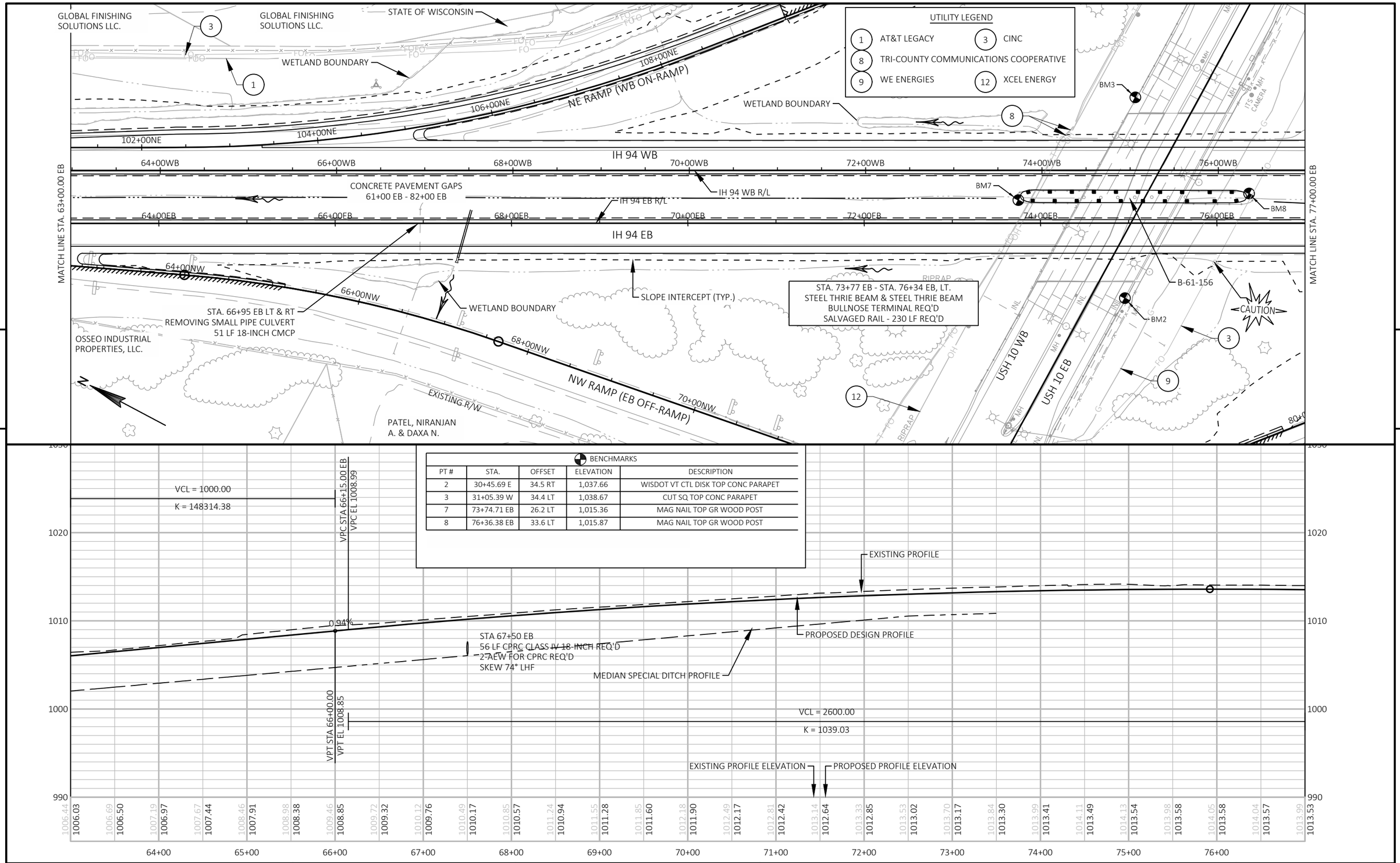
50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 294	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP-IH 94 EB.DWG
LAYOUT NAME - 2

PLOT DATE : 10/25/2021 6:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

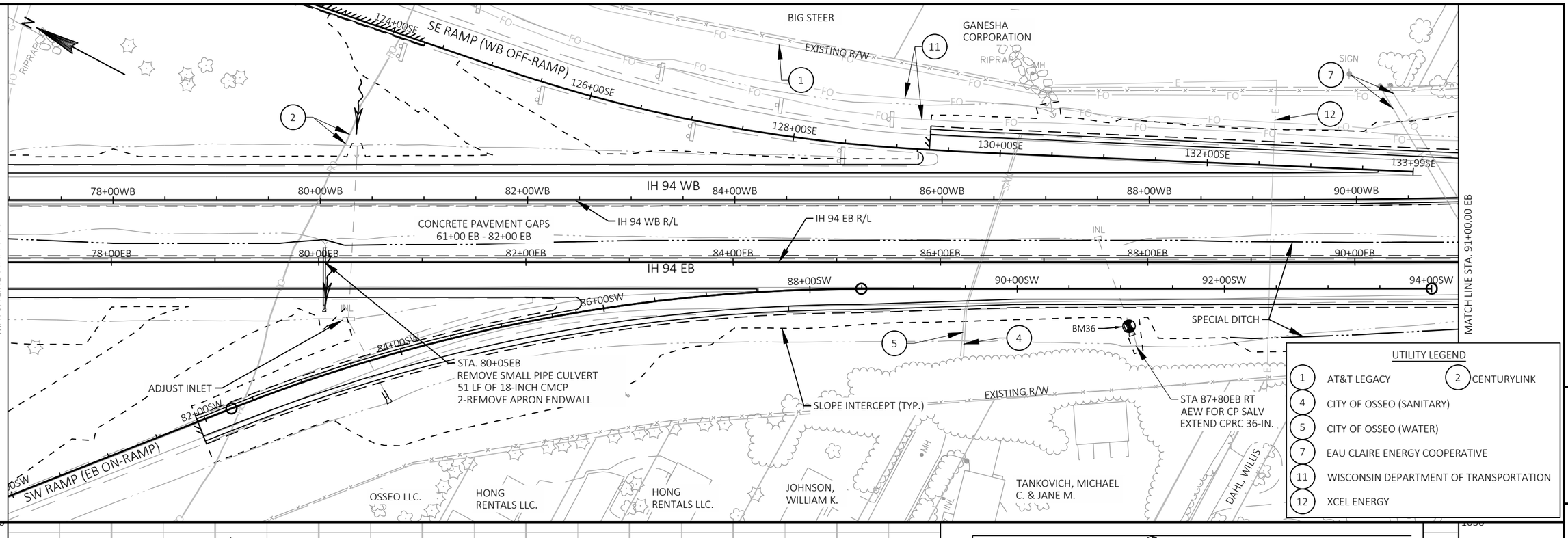


BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
2	30+45.69 E	34.5 RT	1,037.66	WISDOT VT CTL DISK TOP CONC PARAPET
3	31+05.39 W	34.4 LT	1,038.67	CUT SQ TOP CONC PARAPET
7	73+74.71 EB	26.2 LT	1,015.36	MAG NAIL TOP GR WOOD POST
8	76+36.38 EB	33.6 LT	1,015.87	MAG NAIL TOP GR WOOD POST

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 295	E

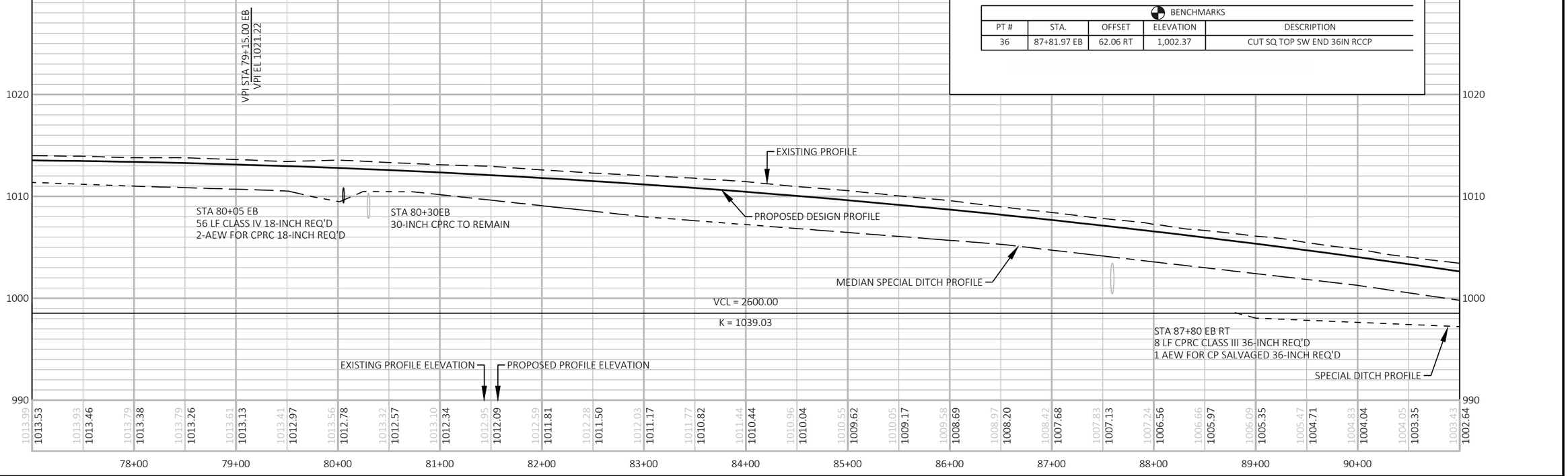
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP-IH 94 EB.DWG
LAYOUT NAME - 3
PLOT DATE : 10/25/2021 6:35 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



BENCHMARKS

PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
36	87+81.97 EB	62.06 RT	1,002.37	CUT SQ TOP SW END 36IN RCCP



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 296	E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
9	92+49.96 WB	56.4 LT	1,004.83	CUT SQ CONC PAD W POST EXIT 88 10 OSSEO SIGN
10	99+91.80 WB	45.0 RT	984.40	CUT SQ TOP SSW END 60IN RCCP
11	104+89.24 EB	58.4 RT	980.43	CUT X NE BOLT E POST HWY 121 10 SIGN

BREHM REVOCABLE LIVING TRUST, LYLE G.

BM9

EXISTING R/W

WETLAND BOUNDARY

SEE "PLAN AND PROFILE: IH 94 WB" FOR GUARDRAIL INFORMATION

WETLAND BOUNDARY

92+00WB 94+00WB 96+00WB 98+00WB 100+00WB 102+00WB 104+00WB

IH 94 WB

IH 94 WB R/L

BM10

STA. 104+20.80 EB
RECONSTRUCT MAINTENANCE CROSSOVER #2
SEE PLAN & PROFILE

WETLAND BOUNDARY

IH 94 EB R/L

92+00EB 94+00EB 96+00EB 98+00EB 100+00EB 102+00EB 104+00EB

IH 94 EB

MATCH LINE STA. 91+00.00 EB

MATCH LINE STA. 105+00.00 EB

SPECIAL DITCH

STREHLAU, DANIEL J. JR & RENEE M.

WETLAND BOUNDARY

RIPRAP

BM11

SIGN

SLOPE INTERCEPT (TYP.)

EXISTING R/W

STA 100+46EB
STA 100+53EB
48-INCH CPRC TO REMAIN

DURST, BRADLEY R.

WI DEPT NATURAL RESOURCES

BAHNUB FAMILY TRUST

BAHNUB FAMILY TRUST

BAHNUB FAMILY TRUST

NELSON, REVA

UTILITY LEGEND

1 AT&T LEGACY

7 EAU CLAIRE ENERGY COOPERATIVE

VCL = 1600.00

K = 908.00

VPC STA 97+15.00 EB
VPC EL 993.10

SPECIAL DITCH PROFILE

EXISTING PROFILE

1.56%

VPT STA 92+15.00 EB
VPT EL 1000.91

PROPOSED DESIGN PROFILE

VCL = 2600.00

K = 1039.03

STA 91+88 EB
58 LF CLASS IV 18-INCH REQ'D
2-AEW FOR CPRC 18-INCH REQ'D

MEDIAN SPECIAL DITCH PROFILE

STA 100+53EB
48-INCH CPRC TO REMAIN

STA 100+46EB
48-INCH CPRC TO REMAIN

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

1010 1000 990 980 970

92+00	93+00	94+00	95+00	96+00	97+00	98+00	99+00	100+00	101+00	102+00	103+00	104+00
1003.43	1002.76	1002.01	1001.19	1000.42	999.53	998.77	997.85	996.91	996.12	995.24	994.55	993.79	993.16	992.45	991.75	990.98	990.34	989.68	989.09	988.53	988.06	987.56	987.01	986.61	986.13	985.64	985.29
1002.64	1001.90	1001.14	1000.36	999.58	998.80	998.02	997.24	996.46	995.67	994.89	994.11	993.33	992.56	991.81	991.09	990.40	989.73	989.09	988.48	987.90	987.34	986.82	986.32	985.84	985.40	984.98	984.59	984.23

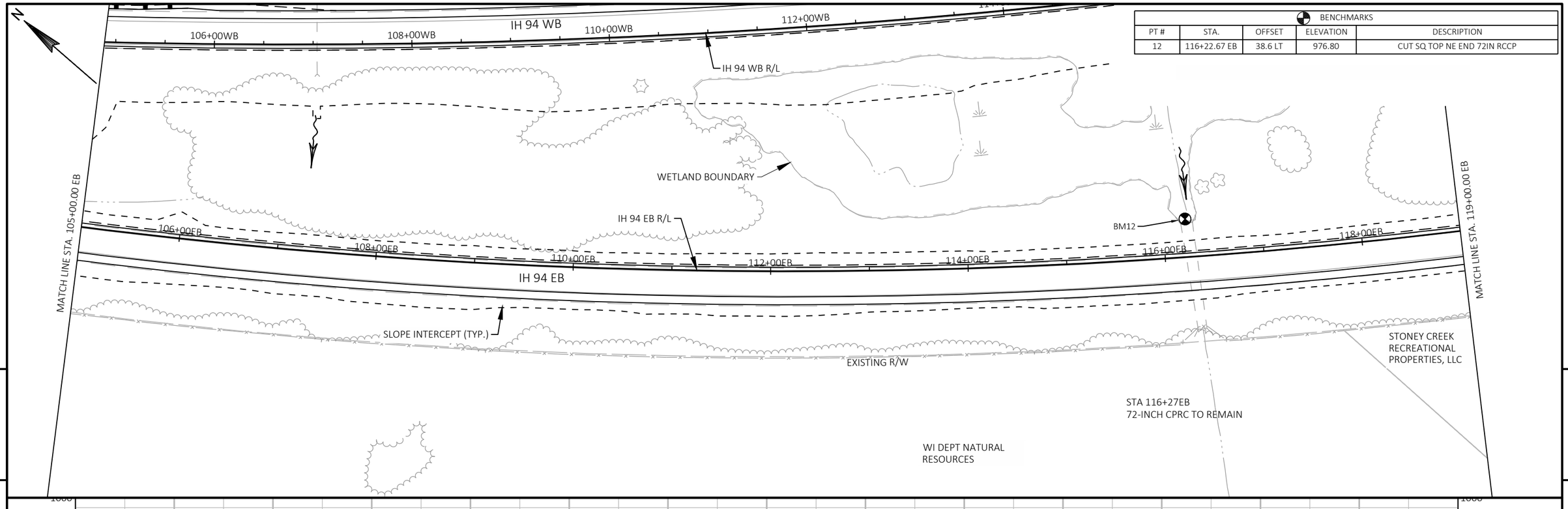
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 297	E

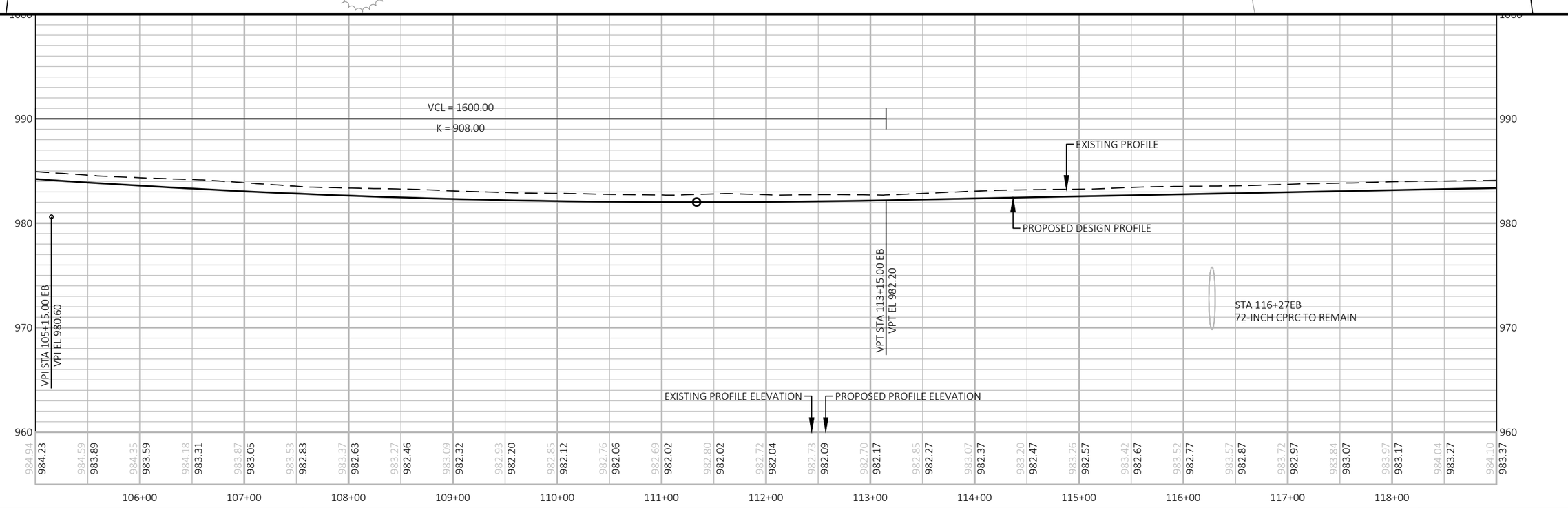
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP-IH 94 EB.DWG
LAYOUT NAME - 5

PLOT DATE : 10/25/2021 6:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

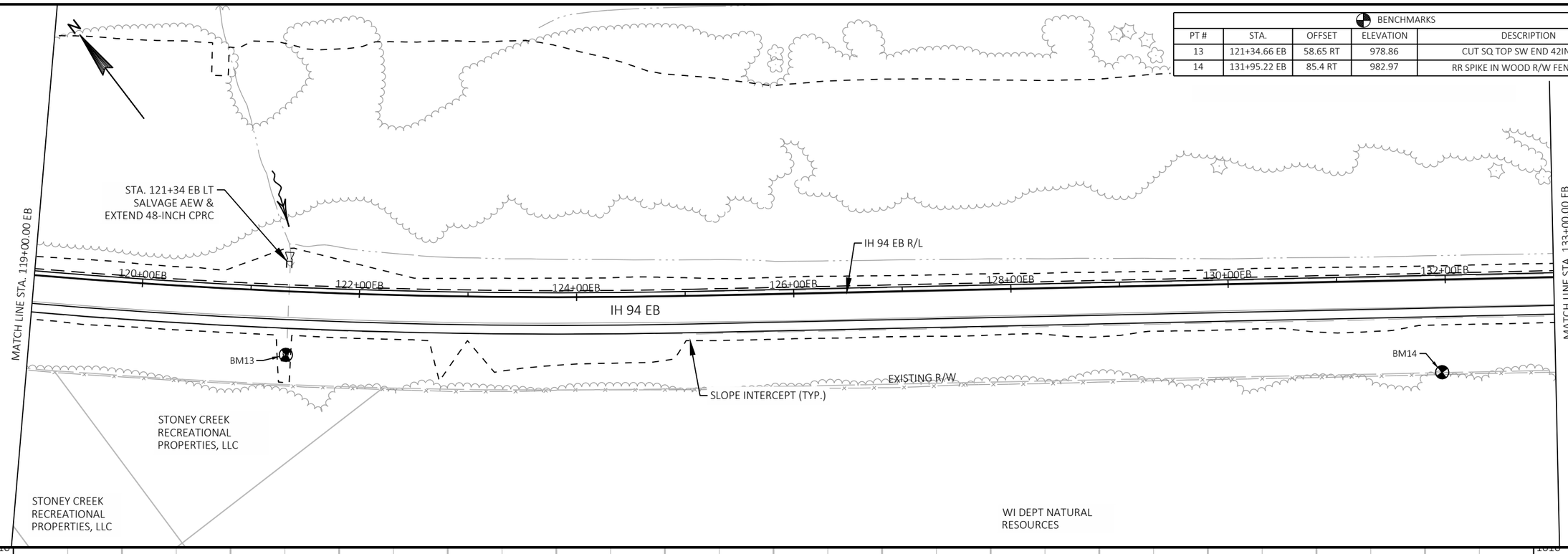
BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
12	116+22.67 EB	38.6 LT	976.80	CUT SQ TOP NE END 72IN RCCP

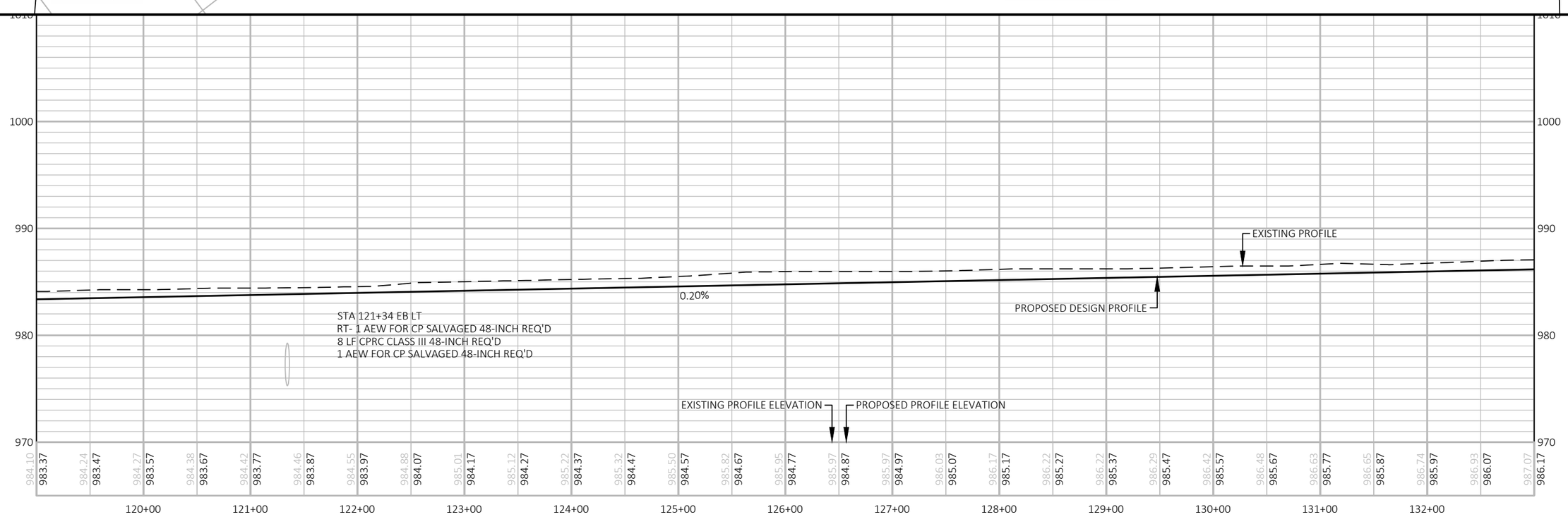




PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 298	E

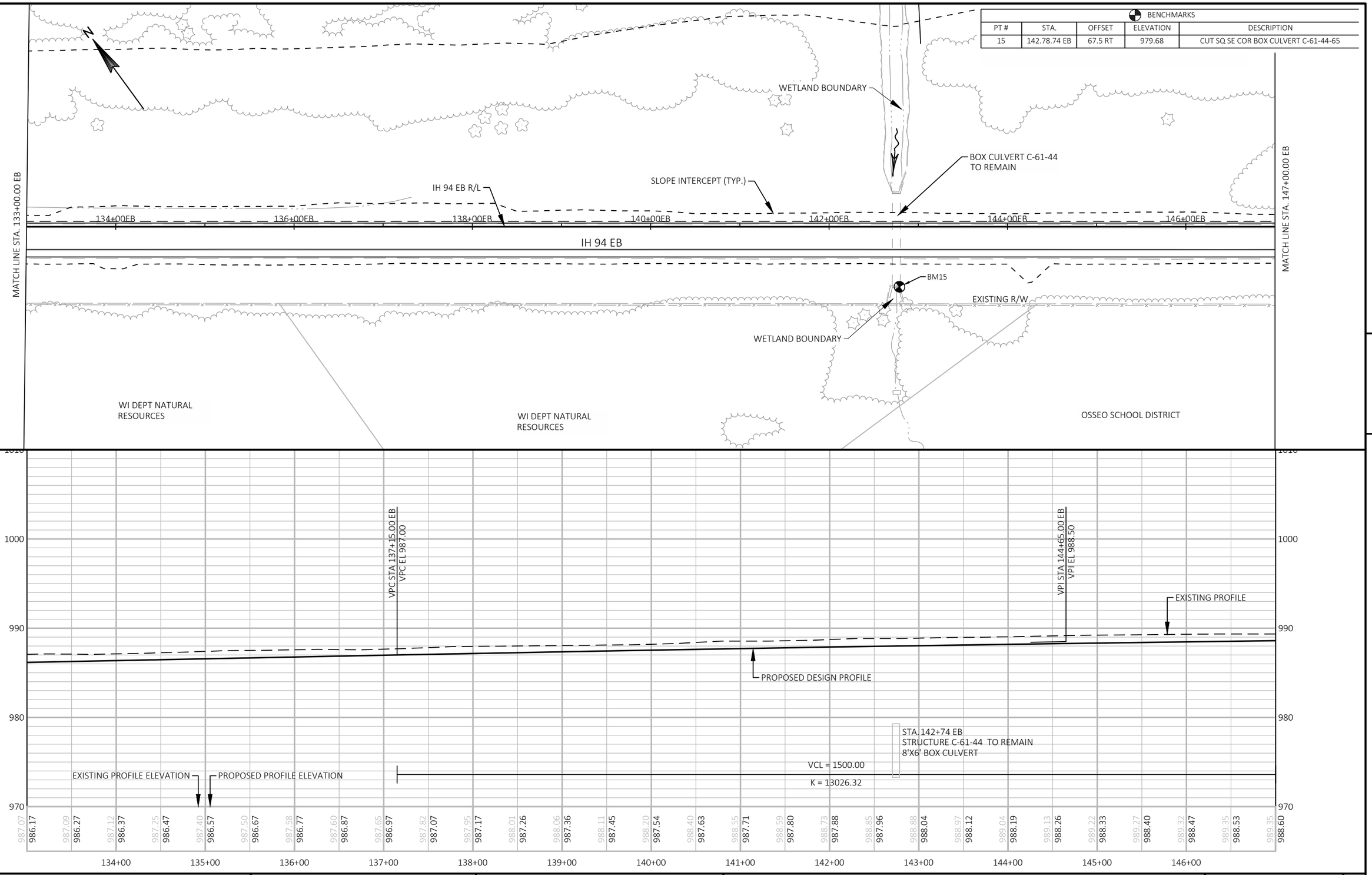
BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
13	121+34.66 EB	58.65 RT	978.86	CUT SQ TOP SW END 42IN RCCP
14	131+95.22 EB	85.4 RT	982.97	RR SPIKE IN WOOD R/W FENCE POST





PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 299	E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
15	142.78.74 EB	67.5 RT	979.68	CUT SQ SE COR BOX CULVERT C-61-44-65



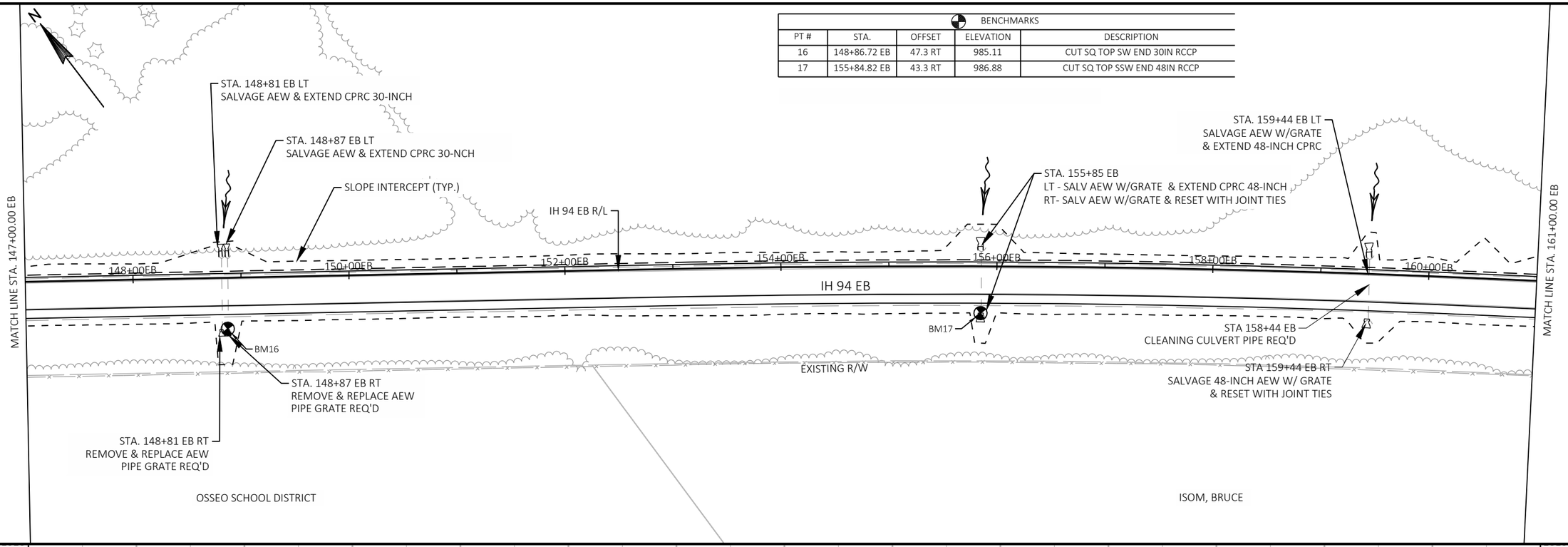
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 300	E

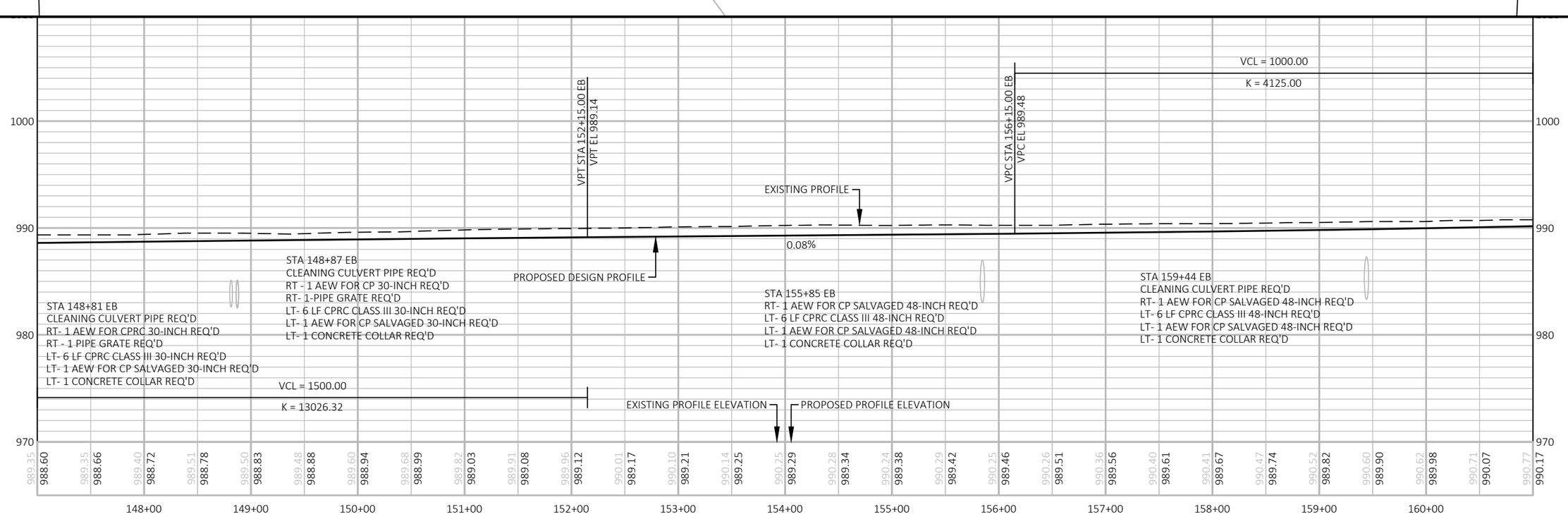
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP-IH 94 EB.DWG
LAYOUT NAME - 8

PLOT DATE : 2/13/2021 1:20 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
16	148+86.72 EB	47.3 RT	985.11	CUT SQ TOP SW END 30IN RCCP
17	155+84.82 EB	43.3 RT	986.88	CUT SQ TOP SSW END 48IN RCCP





PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 301	E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
18	170+23.02 EB	85.9 RT	989.95	6IN NAIL IN R/W WOOD FENCE POST

UTILITY LEGEND

6 DAIRYLAND POWER COOPERATIVE

MATCH LINE STA. 161+00.00 EB

MATCH LINE STA. 175+00.00 EB

IH 94 EB R/L

IH 94 EB

162+00EB 164+00EB 166+00EB 168+00EB 170+00EB 172+00EB 174+00EB

BM18

EXISTING R/W

SLOPE INTERCEPT (TYP.)

ISOM, BRUCE

OSSEO SCHOOL DISTRICT

STATE OF WISCONSIN

VCL = 1000.00

K = 4125.00

EXISTING PROFILE

PROPOSED DESIGN PROFILE

VPI STA 161+15.00 EB
VPI EL 989.90

VPT STA 166+15.00 EB
VPT EL 991.54

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

1010 1000 990 980 970

162+00	163+00	164+00	165+00	166+00	167+00	168+00	169+00	170+00	171+00	172+00	173+00	174+00
990.77	990.87	990.92	991.15	991.26	991.48	991.57	991.62	991.78	991.89	992.04	992.19	992.24
990.17	990.28	990.39	990.50	990.63	990.75	990.89	991.03	991.18	991.33	991.49	991.65	991.81
992.53	992.73	992.85	993.04	993.32	993.54	993.69	993.81	993.95	994.14	994.38	994.48	994.64	994.81	995.00	995.09
991.98	992.14	992.31	992.47	992.63	992.80	992.96	993.12	993.29	993.45	993.61	993.78	993.94	994.11	994.27	994.43

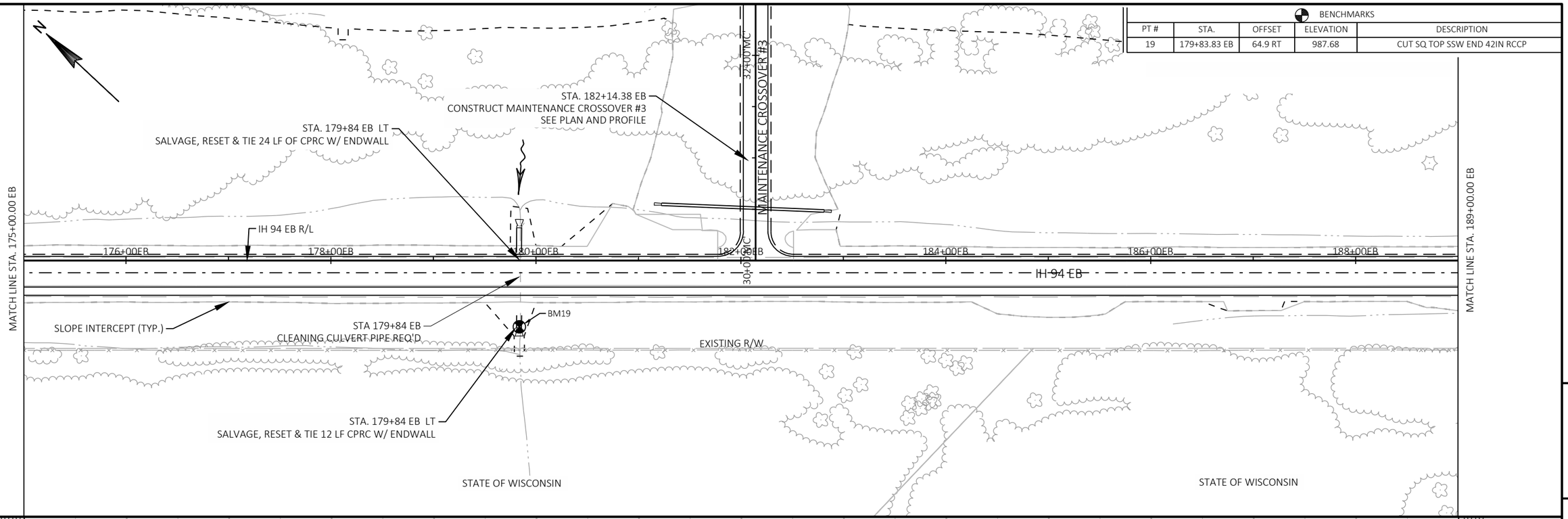
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 302	E

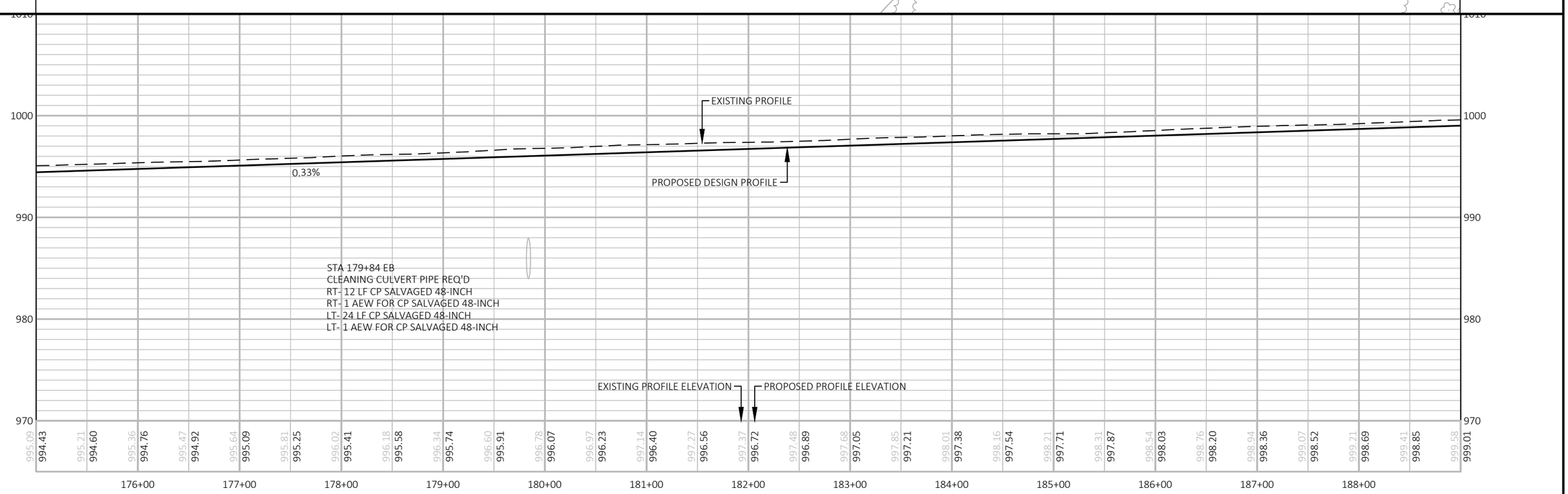
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP-IH 94 EB.DWG
LAYOUT NAME - 10

PLOT DATE : 2/13/2021 1:21 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

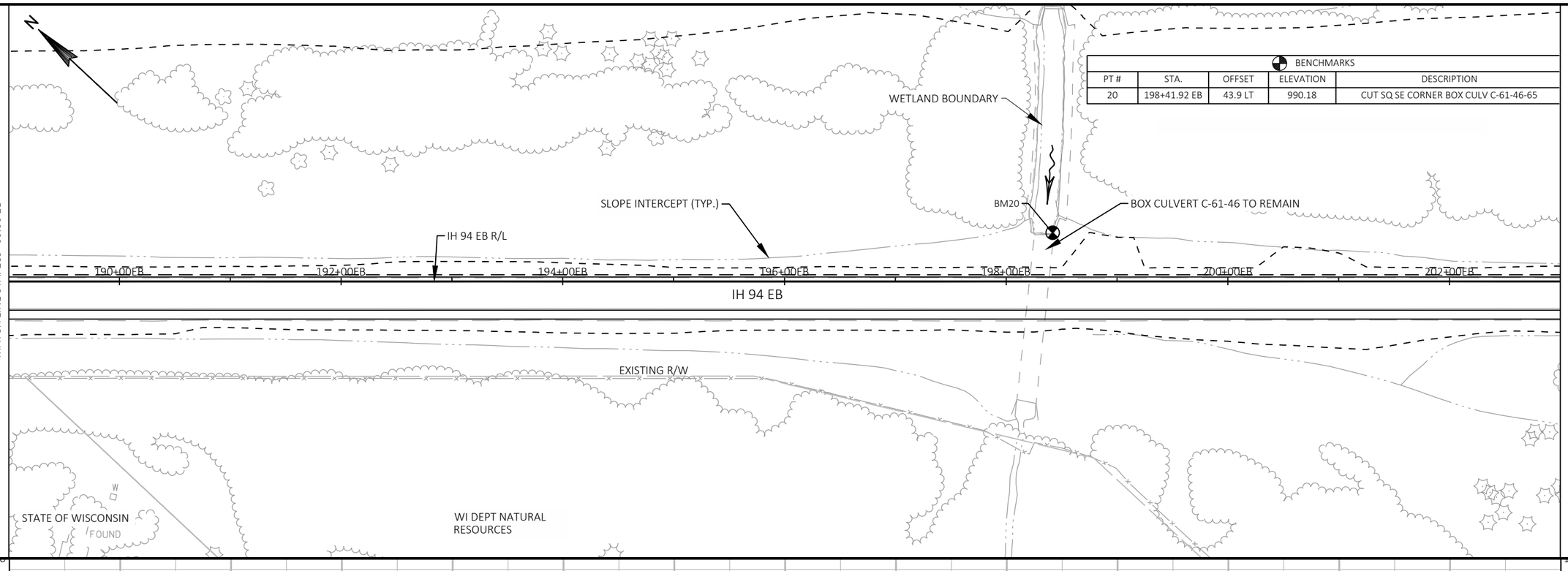
BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
19	179+83.83 EB	64.9 RT	987.68	CUT SQ TOP SSW END 42IN RCCP

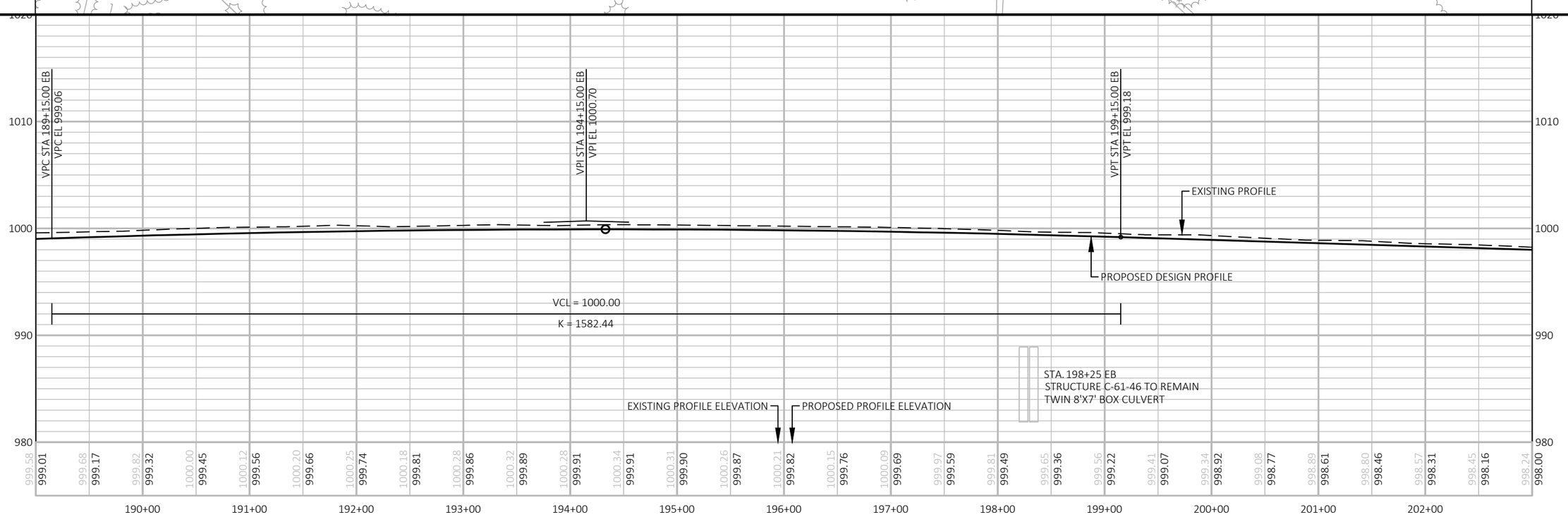




PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 303	E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
20	198+41.92 EB	43.9 LT	990.18	CUT SQ SE CORNER BOX CULV C-61-46-65





PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 304	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP-IH 94 EB.DWG
LAYOUT NAME - 12
PLOT DATE : 2/13/2021 1:21 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
21	206+23.90 EB	58.8 RT	989.83	CUT SQ TOP SSW END 18IN RCCP

MATCH LINE STA. 203+00.00 EB

MATCH LINE STA. 217+00.00 EB

STA. 206+23EB LT & RT
CLEANING CULVERT PIPE REQUIRED
SALVAGE & RESET AEW 24-INCH WITH JOINT TIES

IH 94 EB R/L

204+00EB 206+00EB 208+00EB 210+00EB 212+00EB 214+00EB 216+00EB

IH 94 EB

BM21

SLOPE INTERCEPT (TYP.)

REMOVE AND REPLACE DAMAGED FENCE
IN 4 LOCATIONS BETWEEN STA 201+17 EB - STA 224+87 EB RIGHT
ENGINEER TO IDENTIFY LOCATIONS

VCL = 1300.00
K = 1688.42

VPC STA 209+15.00 EB
VPC EL 996.13

EXISTING PROFILE

-0.30%

PROPOSED DESIGN PROFILE

STA 206+23 EB
LT- 1 AEW FOR CP SALVAGED 24-INCH
RT- 1 AEW FOR CP SALVAGED 24-INCH
CLEANING CULVERT PIPES REQ'D

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

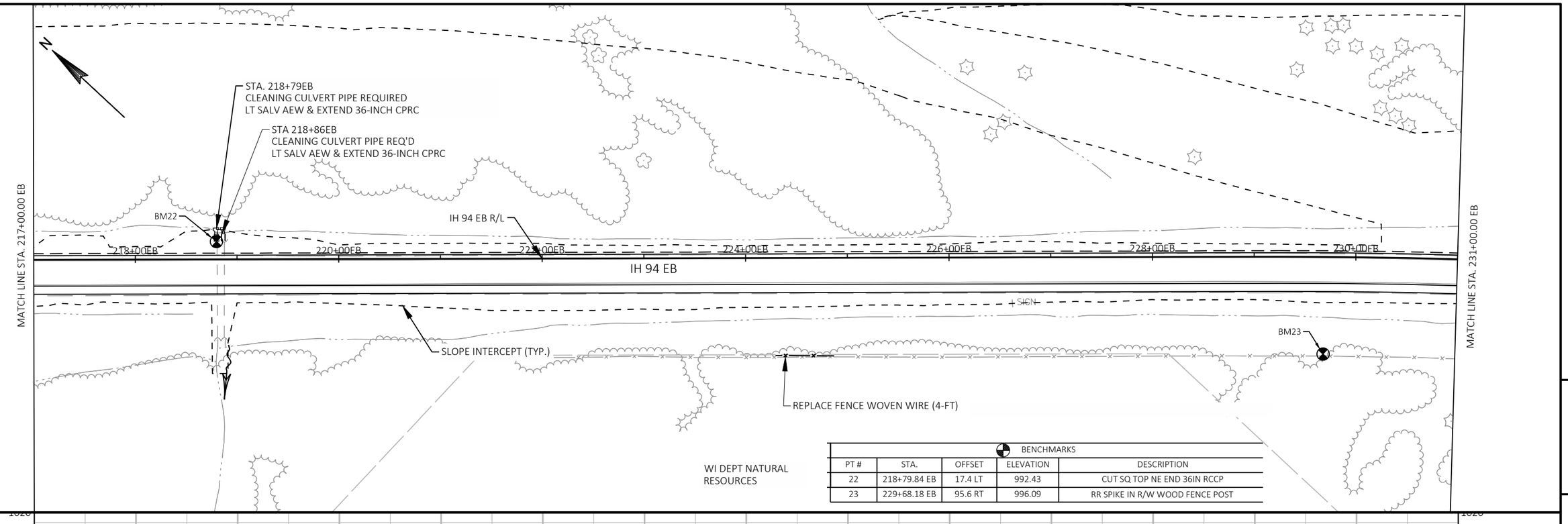
VPI STA 215+65.00 EB
VPI EL 994.15

1020 1010 1000 990 980

998.24 998.00 997.98 997.85 997.89 997.70 997.92 997.55 997.86 997.39 997.67 997.24 997.51 997.09 997.41 996.94 997.30 996.79 997.21 996.63 997.05 996.48 996.76 996.33 996.76 996.18 996.59 996.03 996.40 995.89 996.25 995.77 996.05 995.67 995.90 995.58 995.80 995.50 995.74 995.44 995.64 995.40 995.83 995.37 995.83 995.35 995.79 995.35 995.79 995.36 995.79 995.39 995.70 995.43 995.81 995.49 995.84 995.56

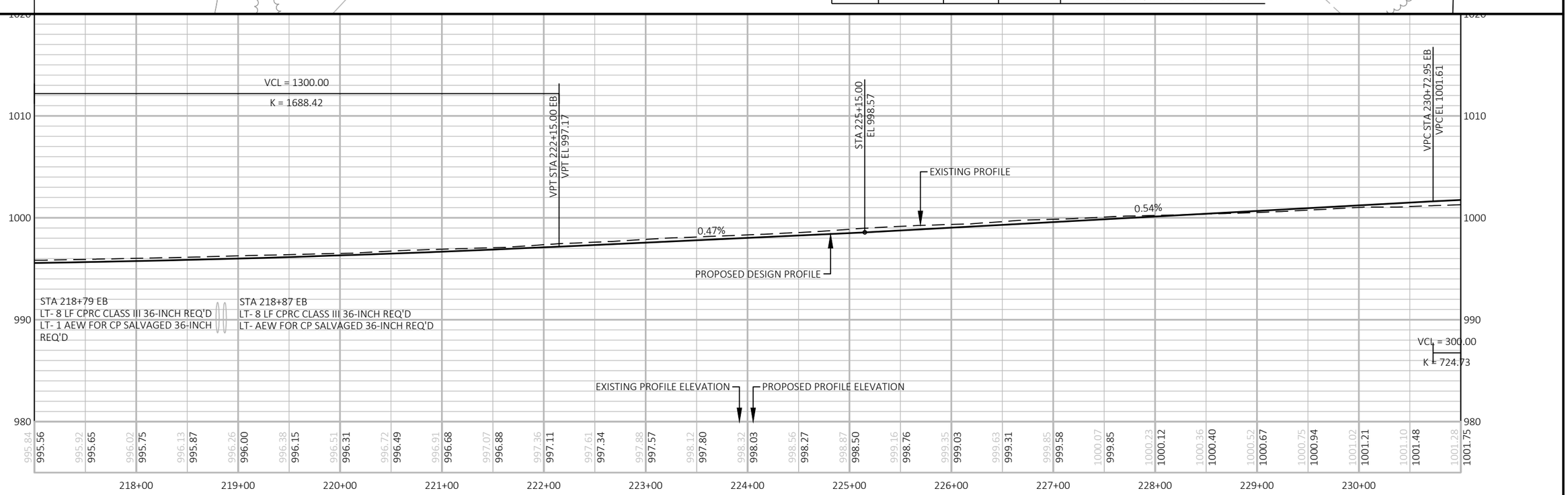
204+00 205+00 206+00 207+00 208+00 209+00 210+00 211+00 212+00 213+00 214+00 215+00 216+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 305	E



BENCHMARKS

PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
22	218+79.84 EB	17.4 LT	992.43	CUT SQ TOP NE END 36IN RCCP
23	229+68.18 EB	95.6 RT	996.09	RR SPIKE IN R/W WOOD FENCE POST



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 EB	SHEET 306	E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
24	237+07.55 EB	33.8 RT	1,002.81	CUT SQ NW CORNER BRIDGE B-27-35-66

STA. 234+06 EB - STA. 237+43 EB, LT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION
& MGS GUARDRAIL TERMINAL EAT REQ'D

SALVAGED RAIL - 314 LF REQ'D
STA. 234+32 EB - STA. 237+45 EB, LT.

7

SLOPE INTERCEPT (TYP.)

EB PAVEMENT SENSOR
LOCATION SEE CONSTRUCTION DETAIL

END CONSTRUCTION
STA 237+46.17 EB
MATCH EXISTING
SAW CUT REQ'D

SOUTH FORK BUFFALO RIVER

WETLAND BOUNDARY

B-27-35 TO REMAIN

IH 94 EB R/L

MATCH LINE STA. 231+00.00 EB

232+00EB

234+00EB

236+00EB

238+00EB

240+00EB

242+00EB

244+00EB

246+00EB

IH 94 EB

BM24

CONCRETE SURFACE DRAIN REQD
SEE CONSTRUCTION DETAIL

WETLAND BOUNDARY

EXISTING R/W

END PROJECT 1022-00-79
STA 236+99.64 EB
MATCH EXISTING
SAW CUT REQ'D

STA. 234+76 EB - STA. 237+12 EB, RT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION
& MGS GUARDRAIL TERMINAL EAT REQ'D

SALVAGED RAIL - 266 LF REQ'D
STA. 234+47 EB - STA. 237+13 EB, RT.

UTILITY LEGEND

7 EAU CLAIRE ENERGY COOPERATIVE

5

5

VPI STA 232+22.95
VPI EL 1002.43

VPT STA 233+72.95 EB
VPT EL 1002.62

STA 237+00.00 EB
EL 1003.05

PROPOSED DESIGN PROFILE

0.13%

EXISTING PROFILE

VCL = 300.00

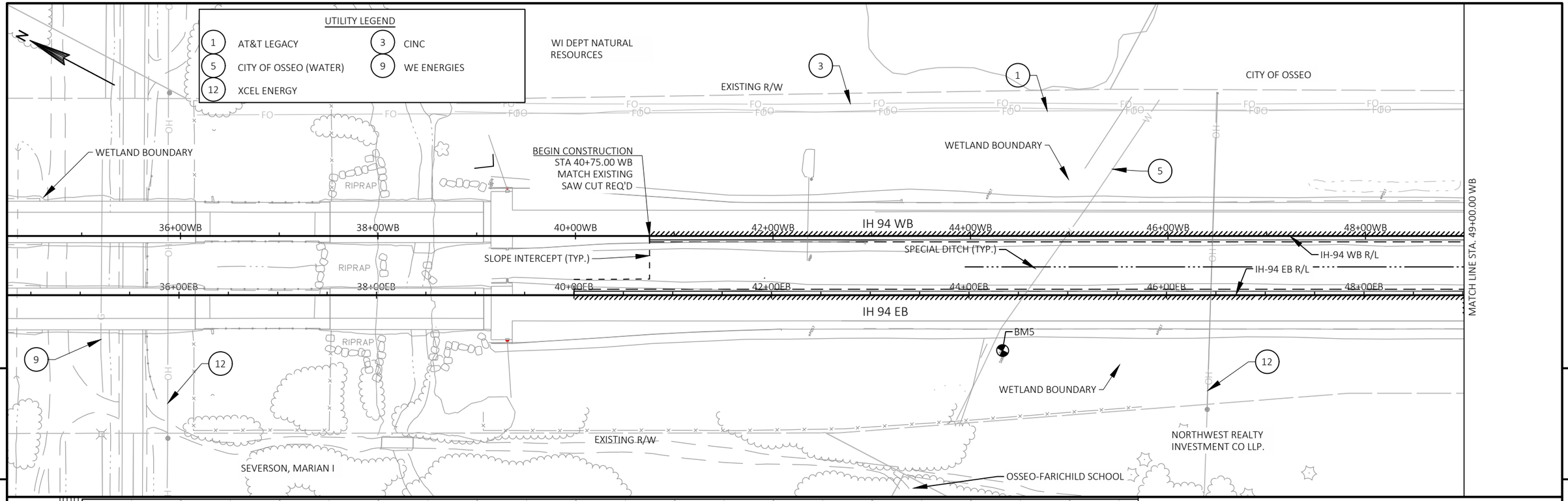
K = 724.73

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

1020
1010
1000
990
980

| | | | |



BENCHMARKS

PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
5	44+34.06 EB	56.0 RT	983.83	CUT X SE BOLT E POST GAS - EXIT 88 SIGN

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 308	E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
6	54.94.99 EB	57.0 RT	994.25	CUT X NE BOLT E POST EXIT 88 10 OSSEO SIGN

UTILITY LEGEND
1 AT&T LEGACY
3 CINC

CITY OF OSSEO
GLOBAL FINISHING SOLUTIONS LLC.
EXISTING R/W
WETLAND BOUNDARY
SPECIAL DITCH (TYP.)
SLOPE INTERCEPT (TYP.)
STA. 52+97 WB
REMOVE APRON ENDWALL
STA. 52+95WB LT
REMOVE SMALL PIPE CULVERT
76 LF 29"X45" METAL CULVERT
REMOVE MASONRY ENDWALL
STA. 52+48.45 EB
RECONSTRUCT MAINTENANCE CROSSOVER
STA 52+95 WB RT
INLETS MEDIAN 2 GRATE REQUIRED
MATCH LINE STA. 49+00.00 WB
MATCH LINE STA. 63+00.00 WB
IH 94 WB
IH 94 EB
IH-94 WB R/L
IH-94 EB R/L
NE RAMP (WB ON-RAMP)
NW RAMP (EB OFF-RAMP)
50+00WB 52+00WB 54+00WB 56+00WB 58+00WB 60+00WB 62+00WB 100+00NE
50+00EB 52+00EB 54+00EB 56+00EB 58+00EB 60+00EB 62+00EB
60+00NW 62+00NW
STA. 53+00 WB
REMOVING INLET REQ'D
BM6
SIGN
WETLAND BOUNDARY
OSSEO INDUSTRIAL PROPERTIES, LLC.
STA 49+36.04 WB
MATCH EXISTING
SAW CUT REQ'D
NORTHWEST REALTY INVESTMENT CO LLP.
CITY OF OSSEO
CITY OF OSSEO
OSSEO ACE HARDWARE & BUILDERS LLC.
OSSEO INDUSTRIAL PROPERTIES LLC.

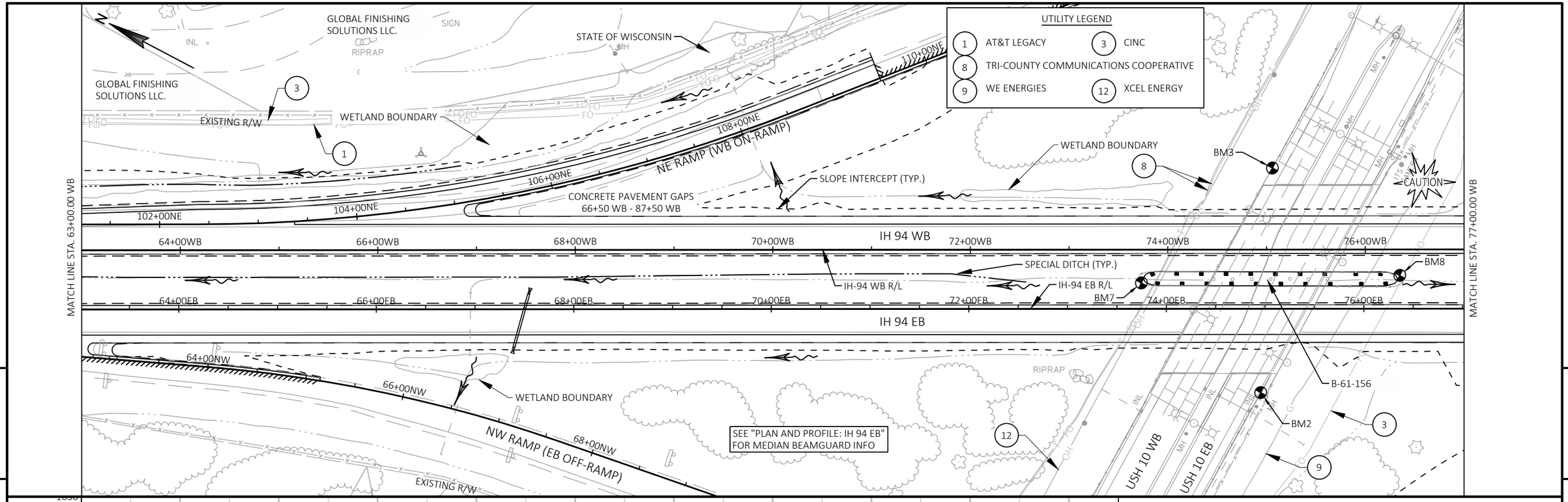
1.07%
0.89%
PROPOSED DESIGN PROFILE
EXISTING PROFILE
MEDIAN SPECIAL DITCH PROFILE
SPECIAL DITCH PROFILE (TYP.)
STA 59+76 WB CPRC 48-INCH TO REMAIN
STA 52+97 WB LT
74 -LF PACS 42X29-INCH REQ'D
1- AEW FOR PIPE ARCH
SLOPED SIDE DRAINS STEEL
42X29-INCH 4 TO 1 REQ'D
STA 49+36.04WB EL 992.12
VPC STA 54+50.00WB VPC EL 996.72
VPI STA 57+00.00 VPI EL 998.96
VPT STA 59+50.00WB VPT EL 1001.64
EXISTING PROFILE ELEVATION
PROPOSED PROFILE ELEVATION

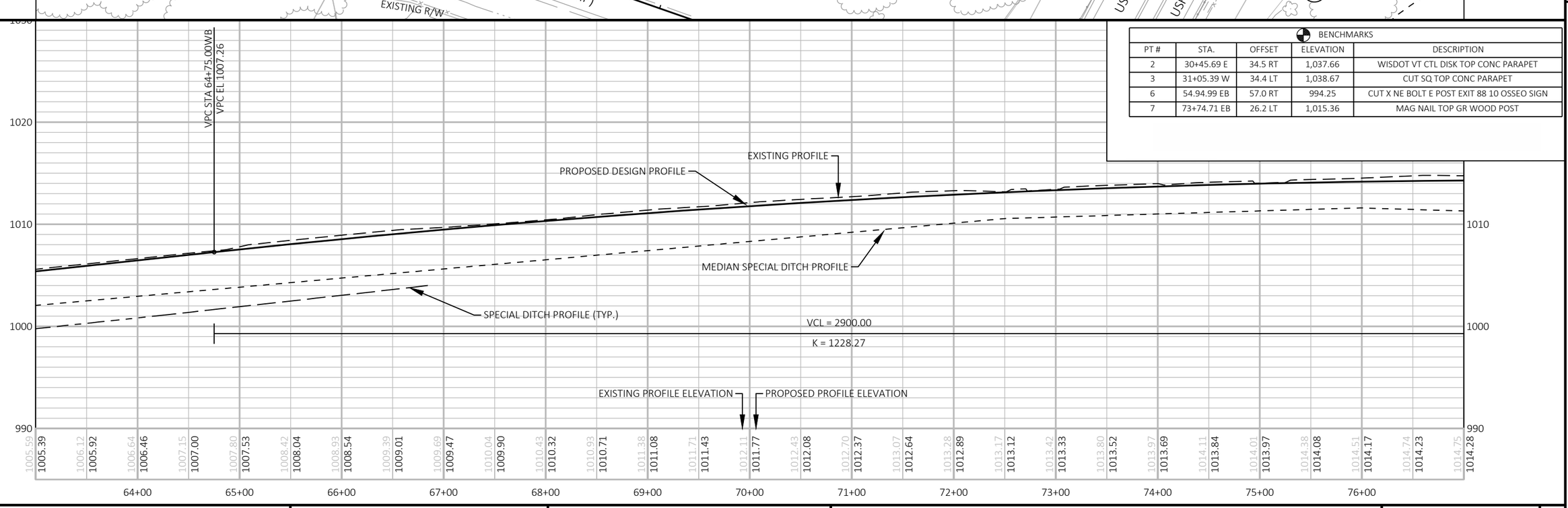
1010 1000 990 980 970

991.87	992.21	992.51	992.89	993.30	993.71	994.22	994.73	995.16	995.64	996.13	996.67	997.20	997.72	998.29	998.83	999.33	999.87	1000.41	1000.93	1001.43	1001.98	1002.55	1003.02	1003.54	1004.08	1004.59	1005.09	1005.59
	992.25	992.70	993.14	993.59	994.04	994.49	994.93	995.38	995.83	996.28	996.72	997.17	997.63	998.10	998.58	999.07	999.57	1000.07	1000.58	1001.11	1001.64	1002.17	1002.71	1003.25	1003.78	1004.32	1004.85	1005.39

50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 309	E





BENCHMARKS

PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
2	30+45.69 E	34.5 RT	1,037.66	WISDOT VT CTL DISK TOP CONC PARAPET
3	31+05.39 W	34.4 LT	1,038.67	CUT SQ TOP CONC PARAPET
6	54.94.99 EB	57.0 RT	994.25	CUT X NE BOLT E POST EXIT 88 10 OSSEO SIGN
7	73+74.71 EB	26.2 LT	1,015.36	MAG NAIL TOP GR WOOD POST

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 310	E

UTILITY LEGEND

1 AT&T LEGACY
2 CENTURYLINK
4 CITY OF OSSEO (SANITARY)
5 CITY OF OSSEO (WATER)
7 EAU CLAIRE ENERGY COOPERATIVE
11 WISCONSIN DEPARTMENT OF TRANSPORTATION
12 XCEL ENERGY

BENCHMARKS

PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
36	87+81.97 EB	62.06 RT	1,002.37	CUT SQ TOP SW END 36IN RCCP

MATCH LINE STA. 77+00.00 WB

MATCH LINE STA. 91+00.00 WB

BIG STEER

GANESHA CORPORATION

SE RAMP (WB OFF-RAMP)

124+00SE

126+00SE

128+00SE

130+00SE

132+00SE

133+99SE

CONCRETE PAVEMENT GAPS
66+50 WB - 87+50 WB

EXISTING R/W

RIPRAP

SIGN

STA. 80+34WB LT
AEW FOR CP SALVAGE 30-INCH
EXTEND CULVERT
RESET AND TIE JOINTS
CLEANING PIPE CULVERTS REQ'D

IH 94 WB

78+00WB 80+00WB 82+00WB 84+00WB 86+00WB 88+00WB 90+00WB

IH-94 WB R/L

SPECIAL DITCH (TYP.)

78+00EB 80+00EB 82+00EB 84+00EB 86+00EB 88+00EB 90+00EB

IH 94 EB

IH-94 EB R/L

88+00SW 90+00SW 92+00SW 94+00SW

86+00SW

84+00SW

82+00SW

SW RAMP (EB ON-RAMP)

BM36

SLOPE INTERCEPT (TYP.)

GEO CONTROL MARKER

HONG RENTALS LLC.

HONG RENTALS LLC.

JOHNSON, WILLIAM K.

TANKOVICH, MICHAEL C. & JANE M.

DAHL, WILLIS

STREHLAU, DANIEL J. JR & RENEE M.

VPI STA 79+25.00WB
VPI EL 1022.80

EXISTING PROFILE

PROPOSED DESIGN PROFILE

STA. 80+34 WB LT
AEW FOR CP SALVAGED 30-INCH REQ'D
5 LF CPRC 30-INCH
CONCRETE COLLAR FOR PIPE
CLEANING CULVERT PIPES REQ'D

MEDIAN SPECIAL DITCH PROFILE (TYP.)

VCL = 2900.00

K = 1228.27

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

| | | |

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
9	92+49.96 WB	56.4 LT	1,004.83	CUT SQ CONC PAD W POST EXIT 88 10 OSSEO SIGN
10	99+91.80 WB	45.0 RT	984.40	CUT SQ TOP SSW END 60IN RCCP
11	104+89.24 EB	58.4 RT	980.43	CUT X NE BOLT E POST HWY 121 10 SIGN

UTILITY LEGEND
1 AT&T LEGACY
7 EAU CLAIRE ENERGY COOPERATIVE

STA. 97+85 WB - STA. 105+73 WB, LT.
MGS GUARDRAIL 3, MGS GUARDRAIL TERMINAL EAT
& MGS GUARDRAIL TERMINAL TYPE 2 REQ'D.

SALVAGED RAIL - 673 LF REQ'D
STA. 97+95 WB - STA. 104+68 WB, LT.

BREHM REVOCABLE LIVING TRUST, LYLE G.

MATCH LINE STA. 91+00.00 WB

MATCH LINE STA. 105+00.00 WB

BM9

SPECIAL DITCH (TYP.)

SLOPE INTERCEPT (TYP.)

EXISTING R/W

WETLAND BOUNDARY

STA 99+75WB
72-INCH CPRC TO REMAIN

IH 94 WB

92+00WB 94+00WB 96+00WB 98+00WB 100+00WB 102+00WB 104+00WB

IH-94 WB R/L

IH 94 EB

92+00EB 94+00EB 96+00EB 98+00EB 100+00EB 102+00EB 104+00EB

IH-94 EB R/L

BM10

STA. 99+90 WB RT
SEE TR PLAN AND PROFILE FOR
PIPE INFORMATION

SPECIAL DITCH (TYP.)

STA. 104+20.80 EB
RECONSTRUCT MAINTENANCE CROSSOVER #2
SEE PLAN & PROFILE

WETLAND BOUNDARY

WETLAND BOUNDARY

EXISTING R/W

RIPRAP

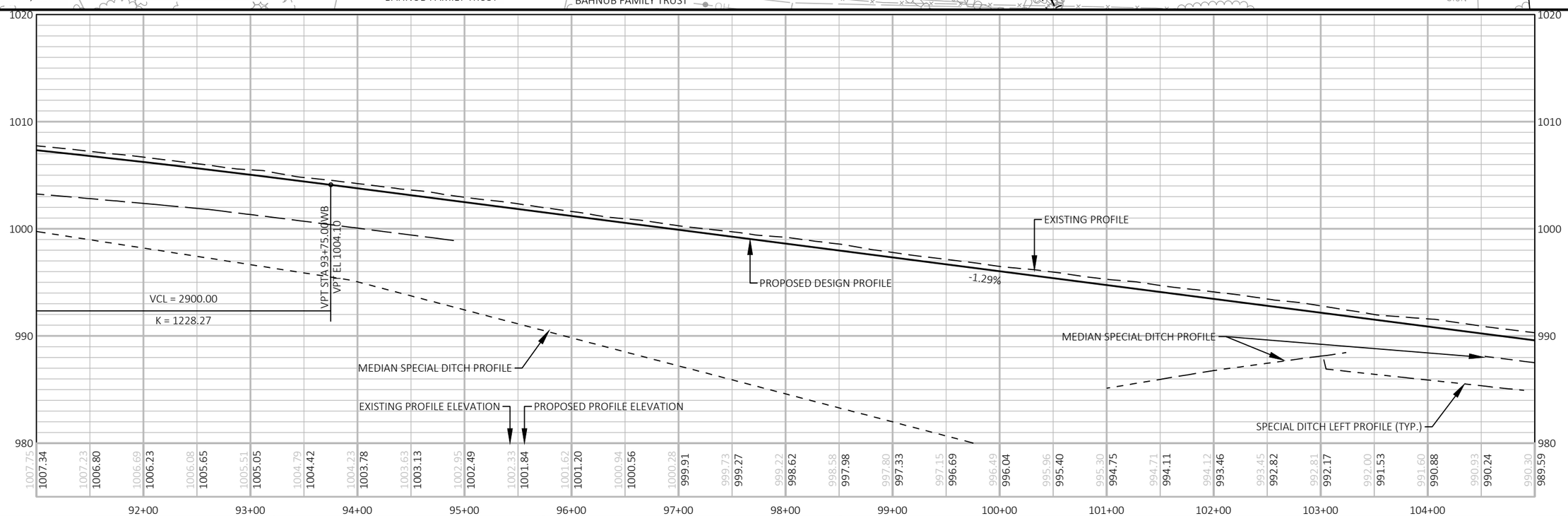
BM11

NELSON, REVA

BAHNUB FAMILY TRUST

BAHNUB FAMILY TRUST

BAHNUB FAMILY TRUST



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 312	E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
12	116+22.67 EB	38.6 LT	976.80	CUT SQ TOP NE END 72IN RCCP
35	115+46.83 WB	51.2 LT	978.85	CUT SQ TOP NE END 72IN RCCP

BREHM REVOCABLE
LIVING TRUST, LYLE G.

STONEY CREEK RECREATIONAL
PROPERTIES LLC.

STONEY CREEK RECREATIONAL
PROPERTIES LLC.

STA. 115+37 WB - STA. 118+00 WB, LT.
MGS GUARDRAIL 3, MGS GUARDRAIL TERMINAL EAT
& MGS GUARDRAIL TERMINAL TYPE 2 REQ'D.

STA 110+12 WB - STA 110+47 WB LEFT
REMOVE & REPLACE 32 LF WOVEN WIRE FENCE

SALVAGED RAIL - 271 LF REQ'D
STA. 115+31 WB - STA. 118+02 WB, LT.

WETLAND BOUNDARY

EXISTING R/W

WETLAND BOUNDARY

SLOPE INTERCEPT (TYP.)

SPECIAL DITCH (TYP.)

BM35

MATCH LINE STA. 105+00.00 WB

MATCH LINE STA. 119+00.00 WB

106+00WB 108+00WB 110+00WB IH 94 WB 112+00WB 114+00WB 116+00WB 118+00WB

TH-94 WB R/L

STA. 107+03 WB
CLEANING PIPE CULVERTS REQ'D
LT- REMOVE & REPLACE ENDWALL
RIGHT SEE TR PLAN & PROFILE FOR TEMP PIPE EXTENSION

STA. 115+49WB RT
CLEAN CULVERT PIPE
INSTALL NEW AEW
SEE TR PLAN AND PROFILE FOR
TEMPORARY PIPE EXTENSION

POND

IH-94 EB R/L

106+00EB 108+00EB 110+00EB IH 94 EB

WETLAND BOUNDARY

BM12

UTILITY LEGEND
1 AT&T LEGACY

STA. 118+42TR RT & STA
SALVAGE AND RE-INSTALL
EXTEND CULVERT AND PL

1010 1000 990 980 970

VCL = 1350.00

K = 758.74

VPI STA 112+75.00
VPI EL 979.60

EXISTING PROFILE

VPC STA 106+00.00WB
VPC EL 988.30

PROPOSED DESIGN PROFILE

STA. 107+03WB LT
REMOVE APRON ENDWALL
AEW FOR CPRC 30-INCH
CLEANING CULVERT PIPE REQD

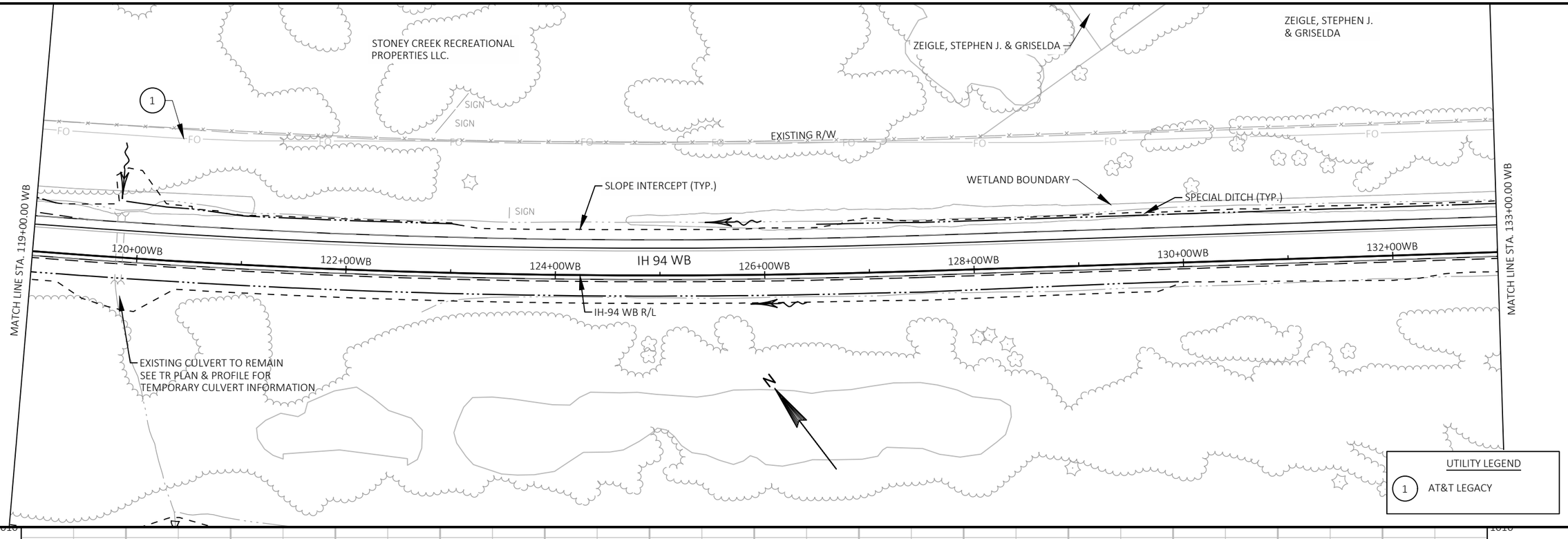
STA. 115+49WB RT
1 AEW FOR CPRC 60- INCH REQ'D
CLEANING CULVERT PIPE REQ'D

SPECIAL DITCH PROFILE (TYP.)

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

| | | | |



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 314	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050102-PP-IH 94 WB.DWG
LAYOUT NAME - 07
PLOT DATE : 10/30/2021 11:46 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
34	141+65.48 WB	62.6 LT	986.62	CUT SQ TOP NE QUAD BOX CULVERT C-61-45-65

ZEIGLE, STEPHEN J.
& GRISELDA

STA 141+33 WB - STA 143+23 WB LEFT
REMOVE AND REPLACE 192 LF WOVEN WIRE FENCE

ISOM, BRUCE

N

1

BOX CULVERT C-61-45 TO REMAIN

EXISTING R/W

BM34

SLOPE INTERCEPT (TYP.)

SPECIAL DITCH (TYP.)

SIGN

FO

MATCH LINE STA. 133+00.00 WB

MATCH LINE STA. 147+00.00 WB

IH 94 WB

134+00WB 136+00WB 138+00WB 140+00WB 142+00WB 144+00WB 146+00WB

IH-94 WB R/L

WETLAND BOUNDARY

UTILITY LEGEND

1 AT&T LEGACY

5

5

VPC STA 136+75.00WB
VPC EL 991.35

VPI STA 146+75.00WB
VPI EL 996.25

EXISTING PROFILE

VCL = 2000.00

K = 3264.55

PROPOSED DESIGN PROFILE

SPECIAL DITCH PROFILE (TYP.)

STA. 141+70WB
1-8'X6' BOX CULVERT
C-61-45 TO REMAIN

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

1010 1000 990 980 970

990.12	990.42	990.77	991.01	991.26	991.55	991.69	991.95	992.14	992.37	992.59	992.91	993.19	993.28	993.44	993.72	993.87	994.01	994.25	994.55	994.71	994.81	994.98	995.19	995.24	995.31	995.37	995.50	995.58
989.52	989.76	990.01	990.25	990.50	990.74	990.99	991.23	991.47	991.71	991.94	992.16	992.38	992.58	992.78	992.97	993.16	993.33	993.50	993.66	993.82	993.96	994.10	994.23	994.35	994.47	994.57	994.67	994.76

134+00 135+00 136+00 137+00 138+00 139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00

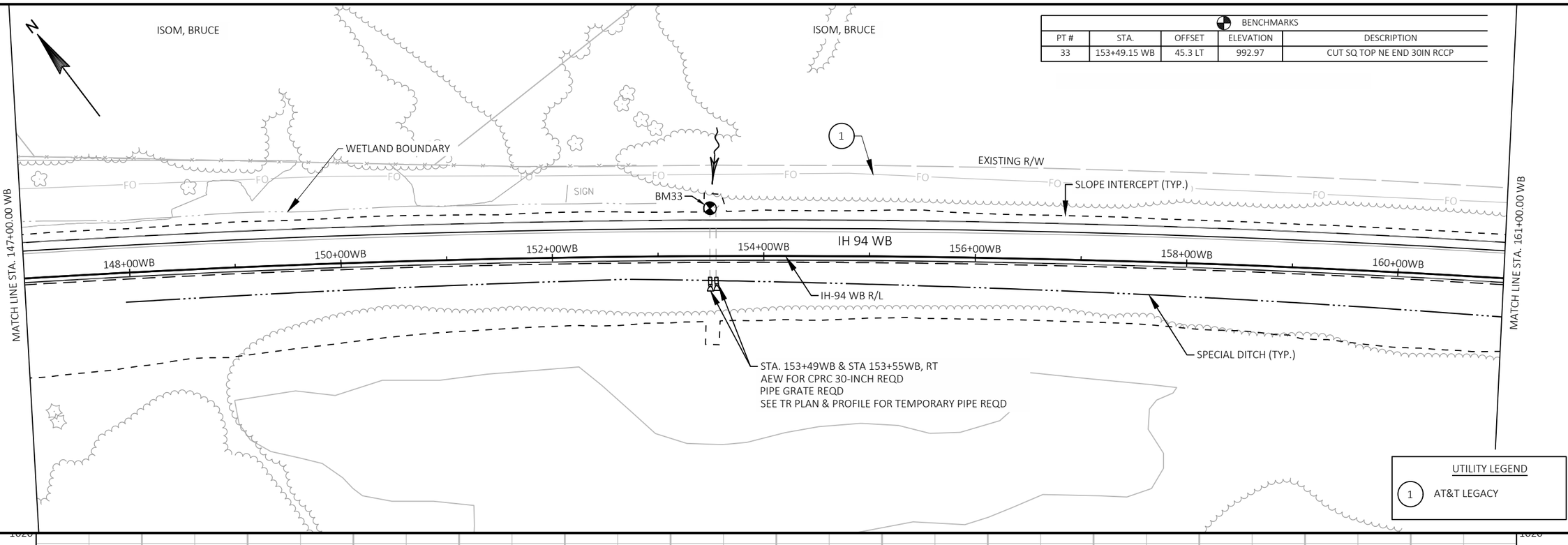
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 315	E

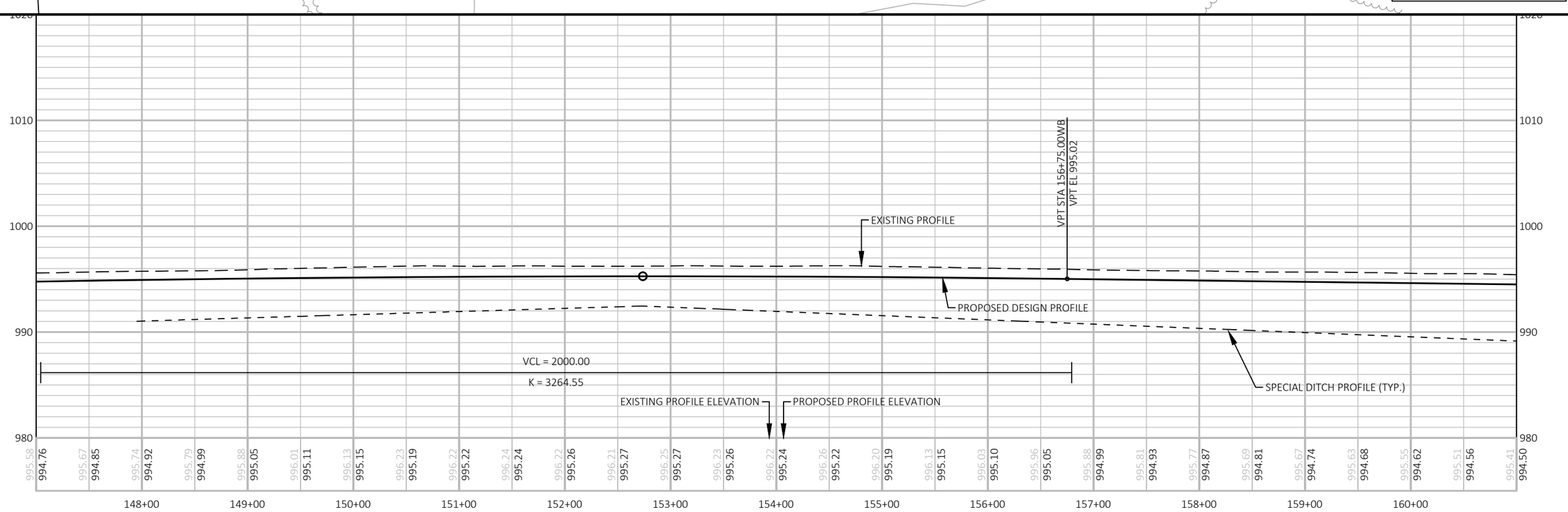
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050102-PP-IH 94 WB.DWG
LAYOUT NAME - 08

PLOT DATE : 4/14/2021 5:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

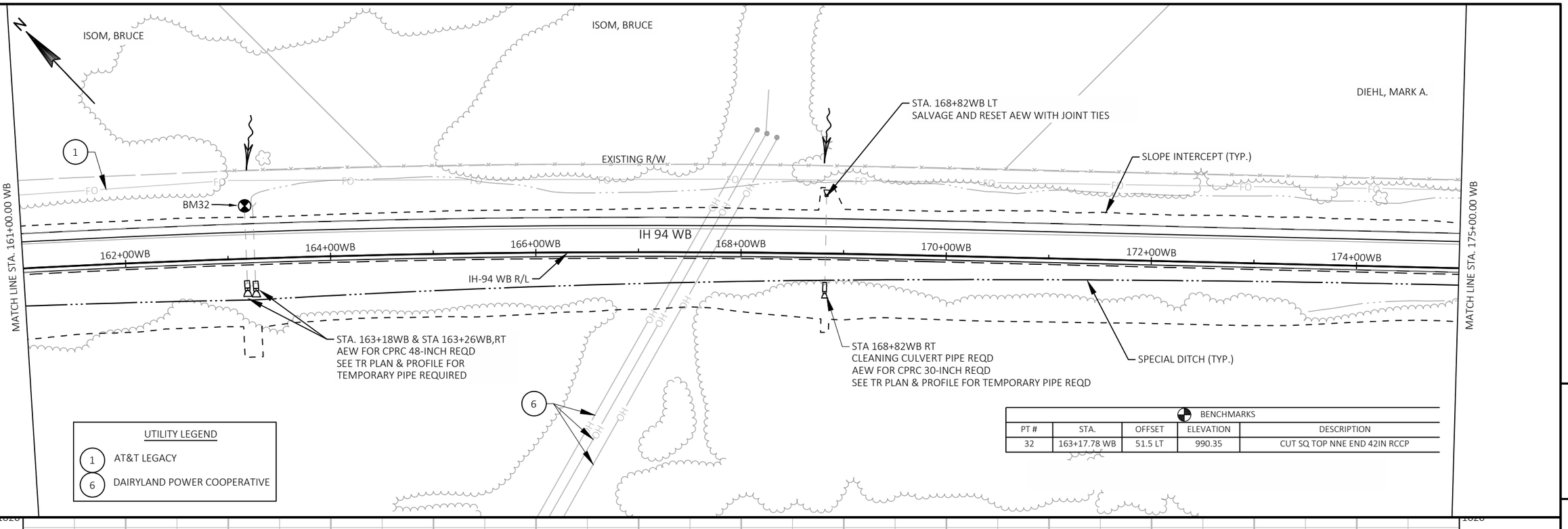
WISDOT/CADDS SHEET 44

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
33	153+49.15 WB	45.3 LT	992.97	CUT SQ TOP NE END 30IN RCCP





PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 316	E



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 317	E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
31	177+80.29 WB	47.6 LT	990.74	CUT SQ TOP NNE END 42IN RCCP

DIEHL, MARK A.

DIEHL FAMILY TRUST

EXISTING R/W

SLOPE INTERCEPT (TYP.)

BM31

MATCH LINE STA. 175+00.00 WB

MATCH LINE STA. 189+00.00 WB

IH 94 WB

32+95 MC

32+00 MC

MAINTENANCE CROSSOVER

IH-94 WB R/L

SPECIAL DITCH (TYP.)

STA. 177+81WB
CLEANING CULVERT PIPES REQ'D
SEE TR PLAN & PROFILE FOR PIPE
INFORMATION

STA. 181+83.63 WB
CONSTRUCT MAINTENANCE CROSSOVER
SEE PLAN AND PROFILE

UTILITY LEGEND

1 AT&T LEGACY

VCL = 800.00

K = 1256.91

EXISTING PROFILE

0.51%

PROPOSED DESIGN PROFILE

STA. 177+80WB
CLEANING CULVERT PIPES REQ'D

VPT STA 178+00.00WB
VPT EL 994.95

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

VPC STA 187+00.00WB
VPC EL 999.58

SPECIAL DITCH PROFILE (TYP.)

VCL = 1200.00

K = 2127.82

176+00	177+00	178+00	179+00	180+00	181+00	182+00	183+00	184+00	185+00	186+00	187+00	188+00
994.83	994.90	995.04	995.17	995.40	995.57	995.71	995.97	996.24	996.46	996.77	997.12	997.30	997.54	997.77	997.98	998.22	998.45	998.72	998.92	999.16	999.40	999.67	999.97	1000.19	1000.40	1000.59	1000.77	1000.98
993.77	993.92	994.09	994.27	994.48	994.71	994.95	995.21	995.47	995.72	995.98	996.24	996.49	996.75	997.01	997.27	997.52	997.78	998.04	998.29	998.55	998.81	999.06	999.32	999.58	999.83	1000.07	1000.29	1000.51

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 318	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050102-PP-IH 94 WB.DWG
LAYOUT NAME - 11

PLOT DATE : 2/13/2021 1:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
20	198+41.92 EB	43.9 LT	990.18	CUT SQ SE CORNER BOX CULV C-61-46-65
30	198+02.56 WB	71.2 LT	992.75	CUT SQ NW CORNER BOX CULVERT C-61-47-65

DIEHL FAMILY TRUST

AWE, JOHN E. JR

AWE, JOHN E. JR

EXISTING R/W

WETLAND BOUNDARY

SLOPE INTERCEPT (TYP.)

BM30

MATCH LINE STA. 189+00.00 EB

190+00WB 192+00WB 194+00WB IH 94 WB 196+00WB 198+00WB 200+00WB 202+00WB

MATCH LINE STA. 203+00.00 WB

IH-94 WB R/L

BOX CULVERT C-61-47 TO REMAIN

SPECIAL DITCH (TYP.)

BM20

UTILITY LEGEND

1 AT&T LEGACY

VPI STA 193+00.00WB
VPI EL 1002.66

VPT STA 199+00.00WB
VPT EL 1002.35

EXISTING PROFILE

PROPOSED DESIGN PROFILE

VCL = 1200.00

K = 2127.82

SPECIAL DITCH PROFILE (TYP.)

STA. 198+00WB
TWIN 8'X7' BOX CULVERT
C-61-47
TO REMAIN

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

1020 1010 1000 990 980

1000.98 1000.51 1001.18 1000.71 1001.35 1000.91 1001.50 1001.09 1001.70 1001.25 1001.85 1001.41 1001.96 1001.56 1002.15 1001.69 1002.26 1001.81 1002.34 1001.92 1002.36 1002.02 1002.39 1002.11 1002.49 1002.18 1002.51 1002.24 1002.56 1002.29 1002.63 1002.33 1002.67 1002.36 1002.69 1002.38 1002.72 1002.38 1002.76 1002.37 1002.79 1002.35 1002.79 1002.33 1002.82 1002.30 1002.79 1002.28 1002.74 1002.25 1002.74 1002.23 1002.76 1002.20 1002.75 1002.18 1002.65 1002.15

190+00 191+00 192+00 193+00 194+00 195+00 196+00 197+00 198+00 199+00 200+00 201+00 202+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 319	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050102-PP-IH 94 WB.DWG
LAYOUT NAME - 12

PLOT DATE : 2/13/2021 1:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

AWE, JOHN E. JR

HOFFMAN, PETER

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
28	216+31.36 WB	45.4 LT	999.44	CUT SQ TOP NNE END 42IN RCCP
29	208+80.55 WB	42.3 LT	999.40	CUT SQ TOP NNE END 30IN RCCP

SIGN

FO

1

EXISTING R/W

SLOPE INTERCEPT (TYP.)

STA. 216+31 WB LT
REMOVE APRON ENDWALL
EXTEND CPRC 42-INCH
AEW REQD

BM29

SPECIAL DITCH (TYP.)

BM28

MATCH LINE STA. 203+00.00 WB

204+00WB 206+00WB 208+00WB 210+00WB IH 94 WB 212+00WB 214+00WB 216+00WB

MATCH LINE STA. 217+00.00 WB

IH-94 WB R/L

STA. 208+80WB RT
AEW FOR CPRC 30-INCH REQD
CLEANING PIPE CULVERTS REQ'D

STA. 216+31WB RT
AEW FOR CP 42-INCH
CLEANING CULVERT PIPES REQD

UTILITY LEGEND

1 AT&T LEGACY

SEE TR PLAN & PROFILE FOR ADDITIONAL PIPE INFORMATION

VCL = 500.00

K = 1513.27

EXISTING PROFILE

PROPOSED DESIGN PROFILE

-0.05%

SPECIAL DITCH PROFILE (TYP.)

VPC STA 208+50.00WB
VPC EL 1001.88

STA. 208+80WB
CLEANING CULVERT PIPES REQ'D
AEW FOR CPRC 30-INCH REQD

VPI STA 211+00.00
VPI EL 1001.75

VPT STA 213+50.00WB
VPT EL 1002.45

STA 216+31WB
CLEANING CULVERT PIPE REQUIRED
RT- AEW FOR CPRC 42-INCH REQD
LT - 6 LF CPRC 42-INCH CLASS III REQD
LT - AEW FOR CP SALVAGED 42-INCH REQD

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

1020 1010 1000 990 980

1002.65 1002.15 1002.67 1002.13 1002.82 1002.10 1002.87 1002.08 1002.85 1002.05 1002.84 1002.03 1002.90 1002.00 1002.95 1001.98 1002.95 1001.95 1003.01 1001.93 1003.01 1001.90 1002.93 1001.88 1002.88 1001.86 1002.90 1001.86 1002.95 1001.87 1002.98 1001.91 1003.00 1001.96 1003.03 1002.02 1003.08 1002.10 1003.13 1002.20 1003.18 1002.32 1003.28 1002.45 1003.43 1002.59 1003.52 1002.73 1003.59 1002.87 1003.72 1003.01 1003.84 1003.15 1003.99 1003.29 1004.17 1003.43

204+00 205+00 206+00 207+00 208+00 209+00 210+00 211+00 212+00 213+00 214+00 215+00 216+00

5 5

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 320 E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
27	224+54.59 WB	41.5 LT	1,002.95	CUT SQ TOP NNE END 36IN RCCP

HOFFMAN, PETER

STA 218+70 WB - STA 222+00 WB LEFT
REMOVE AND REPLACE 328 LF WOVEN WIRE FENCE

CTH G

EXISTING R/W

STA 224+71WB LT
REMOVE 36-INCH APRON ENDWALL
REPLACE WITH TRAVERSABLE AEW

BM27

IH 94 WB

218+00WB 220+00WB 222+00WB 224+00WB 226+00WB 228+00WB 230+00WB

IH-94 WB R/L

SPECIAL DITCH (TYP.)

SEE XO PLAN AND PROFILE FOR ADDITIONAL PIPE INFORMATION

MATCH LINE STA. 217+00.00 WB

MATCH LINE STA. 231+00.00 WB

UTILITY LEGEND
1 AT&T LEGACY
7 EAU CLAIRE ENERGY COOPERATIVE

230+50WB TO END OF PROJECT TO USE EXISTING PROFILE
PAVEMENT TO MATCH EXISTING ELEVATION AT POINT SHOWN ON STAGING PLANS

VPC STA 225+62.53WB
VPC EL 1005.85

VPI STA 228+12.53WB
VPI EL 1006.55

VPT STA 230+62.53WB
VPT EL 1005.56

EXISTING PROFILE

0.28%

PROPOSED DESIGN PROFILE

SPECIAL DITCH PROFILE (TYP.)

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

VCL = 500.00
K = 744.01

1020 1010 1000 990

1004.17 1003.43 1004.32 1003.57 1004.45 1003.71 1004.56 1003.85 1004.62 1003.99 1004.62 1004.13 1004.70 1004.27 1004.86 1004.41 1004.98 1004.55 1005.16 1004.69 1005.27 1004.83 1005.34 1004.97 1005.49 1005.11 1005.65 1005.25 1005.71 1005.39 1005.75 1005.53 1005.84 1005.67 1005.85 1005.81 1005.88 1005.94 1005.93 1006.04 1005.94 1006.10 1005.89 1006.13 1005.87 1006.13 1005.88 1006.09 1005.88 1006.02 1005.86 1005.92 1005.81 1005.78 1005.66 1005.61 1005.65 1005.42

218+00 219+00 220+00 221+00 222+00 223+00 224+00 225+00 226+00 227+00 228+00 229+00 230+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 321	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050102-PP-IH 94 WB.DWG
LAYOUT NAME - 14

PLOT DATE : 10/30/2021 11:43 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
25	241+28.51 WB	35.2 LT	1,004.10	CUT SQ SE QUAD BRIDGE B-27-36-66
26	233+68.23 WB	107.1 LT	1,000.83	RR SPIKE IN PPOL

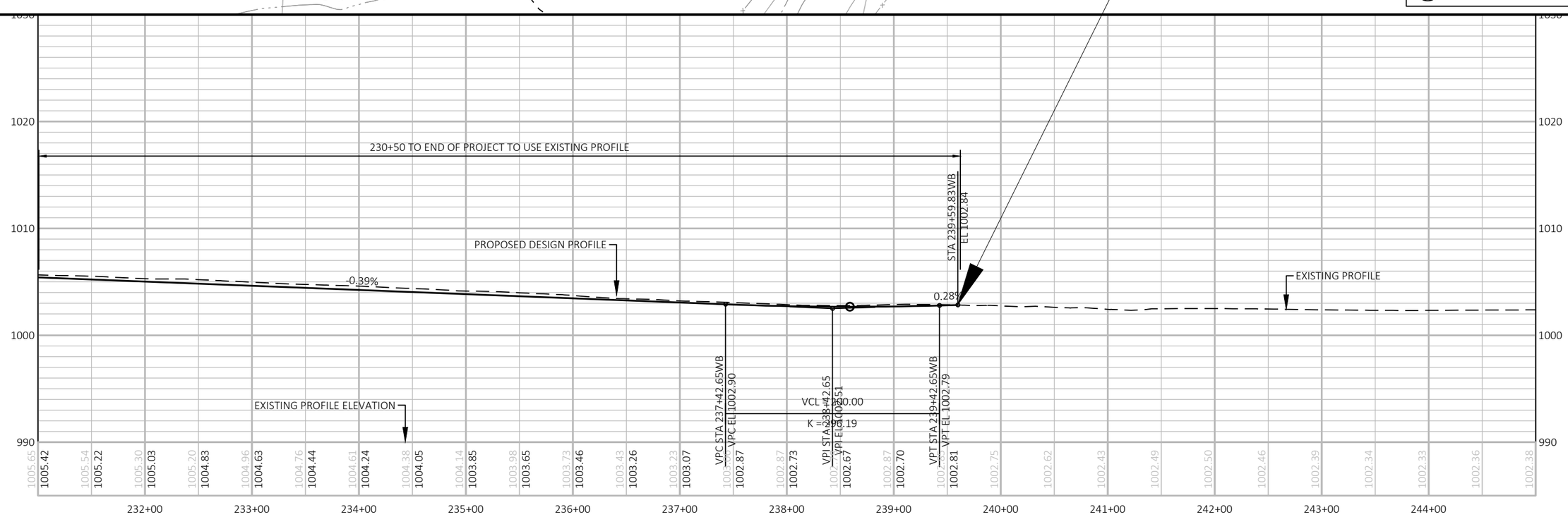
STA. 236+15 WB - STA. 240+12 WB, LT.
MGS GUARDRAIL 3, MGS THRIE BEAM TRANSITION
& MGS GUARDRAIL TERMINAL TYPE 2 REQ'D.

SALVAGED RAIL - 132 LF REQ'D
STA. 238+71 WB - STA. 240+03 WB, LT.

END CONSTRUCTION
STA 240+14.84 WB
MATCH EXISTING
SAW CUT REQ'D

CTH G
SIGN
BM26
BM25
EXISTING R/W
SLOPE INTERCEPT (TYP.)
WETLAND BOUNDARY
IH 94 WB
MATCH LINE STA. 231+00.00 EB
232+00WB
234+00WB
236+00WB
238+00WB
240+00WB
242+00WB
244+00WB
246+
IH-94 WB R/L
WB PAVEMENT SENSOR LOCATION
SEE CONSTRUCTION DETAIL
CONCRETE SURFACE DRAIN REQUIRED
SEE CONSTRUCTION DETAIL
B-27-36
TO REMAIN
SOUTH FORK BUFFALO RIVER
SALVAGED RAIL - 115 LF REQ'D
STA. 238+69 WB - STA. 239+83 WB, RT.
STA 239+59.75 WB
MATCH EXISTING
SAW CUT REQ'D
WETLAND BOUNDARY

UTILITY LEGEND
1 AT&T LEGACY
7 EAU CLAIRE ENERGY COOPERATIVE



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB	SHEET 322	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050102-PP-IH 94 WB.DWG
LAYOUT NAME - 15
PLOT DATE : 2/13/2021 1:28 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

UTILITY LEGEND

1	AT&T LEGACY	3	CINC
8	TRI-COUNTY COMMUNICATIONS COOPERATIVE		
9	WE-ENERGIES		
10	WINDSTREAM KDL, LLC	12	XCEL ENERGY

BENCHMARKS

PT #	Y	X	ELEVATION	DESCRIPTION
3	517,024.49	885,241.53	1,038.67	CUT SQ TOP CONC PARAPET

COORDINATES LISTED FOR BENCHMARKS ARE FOR GENERAL LOCATION USE ONLY AND NOT TO BE USED AS CONTROL POINTS.

GLOBAL FINISHING SOLUTIONS LLC.

GLOBAL FINISHING SOLUTIONS LLC.

NGS PROPERTIES II LLC.

NGS PROPERTIES II LLC.

SPECIAL DITCH (TYP.)

EXISTING R/W

WETLAND BOUNDARY

STATE OF WISCONSIN

SLOPE INTERCEPT (TYP.)

REMOVE & REPLACE WOVEN WIRE FENCE

NE RAMP R/L

WETLAND BOUNDARY

BM3

USH 10 WB

USH 10 EB

IH 94 WB

IH 94 EB

NW RAMP (EB OFF-RAMP)

NE RAMP (WB ON-RAMP)

64+00WB
66+00WB
68+00WB
70+00WB
72+00WB
74+00WB
102+00NE
104+00NE
106+00NE
108+00NE
110+00NE
112+00NE
114+00NE
64+00EB
66+00EB
68+00EB
70+00EB
72+00EB
64+00NW
66+00NW
32+00W
34+00W
36+00W
34+00E

BEGIN CONSTRUCTION
STA 100+72.01 NE
MATCH IH 94 WB

END CONSTRUCTION
STA 111+91.61 NE
MATCH EXISTING
SAW CUT REQ'D

VCL = 425.00
K = 157.82

STA 100+72.01NE
EL 1004.60

STA 102+38.76NE
EL 1006.36

VPC STA 105+12.50NE
VPC EL 1008.93

VPI STA 107+25.00NE
VPI EL 1010.93

VPT STA 109+37.50NE
VPT EL 1018.65

STA 109+50.00NE
EL 1019.11

PROPOSED DESIGN PROFILE

EXISTING PROFILE

SPECIAL DITCH PROFILE (TYP.)

1.06%
0.94%
3.63%

STA. 107+04 NE
24-INCH CPRC TO REMAIN

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

1040
1030
1020
1010
1000

1004.25 1004.71 1005.24 1004.90 1005.95 1005.42 1006.39 1005.95 1006.89 1006.47 1007.43 1006.94 1007.71 1007.41 1008.12 1007.88 1008.20 1008.35 1008.08 1008.82 1008.26 1009.33 1008.82 1010.00 1009.80 1010.83 1011.13 1011.81 1012.63 1012.95 1013.96 1014.26 1015.55 1015.72 1017.21 1017.33 1019.10 1019.11 1020.88 1022.73 1024.40 1026.05 1027.81 1029.42 1030.84 1032.23 1033.29 1034.44

101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: NE RAMP (WB ON-RAMP)	SHEET 323	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050103-PP-RAMPS.DWG
LAYOUT NAME - NE RAMP

PLOT DATE : 4/20/2021 2:33 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

UTILITY LEGEND

1 AT&T LEGACY	2 CENTURYLINK
3 CINC	
4 CITY OF OSSEO (SANITARY)	5 CITY OF OSSEO (WATER)
7 EAU CLAIRE ENERGY COOPERATIVE	
8 TRI-COUNTY COMMUNICATION COOPERATIVE	
9 WE-ENERGIES	
11 WISCONSIN DEPARTMENT OF TRANSPORTATION	
12 XCEL ENERGY	

BENCHMARKS

PT #	Y	X	ELEVATION	DESCRIPTION
36	515,802.21	885,656.69	1,002.37	CUT SQ TOP SW END 36IN RCCP

COORDINATES LISTED FOR BENCHMARKS ARE FOR GENERAL LOCATION USE ONLY AND NOT TO BE USED AS CONTROL POINTS.

BIG STEER

GANESHA CORPORATION

BREHM REVOCABLE LIVING TRUST, LYLE G.

SPECIAL DITCH (TYP.)

SLOPE INTERCEPT (TYP.)

EXISTING R/W

USH 10 WB

USH 10 EB

SE RAMP (WB OFF-RAMP)

SE RAMP R/L

IH 94 WB

IH 94 EB

SW RAMP (EB ON-RAMP)

122+00SE 124+00SE 126+00SE 128+00SE 130+00SE 132+00SE

90+00WB 88+00WB 86+00WB 84+00WB 82+00WB 80+00WB 78+00WB

90+00EB 88+00EB 86+00EB 84+00EB 82+00EB 80+00EB

92+00SW 90+00SW 88+00SW 86+00SW

34+00W 36+00E 34+00E

BM36

END CONSTRUCTION
STA 133+64.47 SE
MATCH IH 94 WB

STREHLAU, DANIEL J. JR & RENEE M.

DAHL, WILLIS

BEGIN CONSTRUCTION
STA 122+84.90 SE
MATCH EXISTING
SAW CUT REQ'D

EXISTING PROFILE

VCL = 200.00
K = 478.06

STA 129+25.76SE
EL 1010.72

VPC STA 130+30.00SE
VPC EL 1010.14

VPI STA 131+30.00SE
VPI EL 1009.59

VPT STA 132+30.00SE
VPT EL 1008.63

STA 133+64.47SE
EL 1007.32

-0.55%

-0.97%

STA. 130+73 SE
1-36" CPRC TO REMAIN

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

SPECIAL DITCH PROFILE (TYP.)

PROPOSED DESIGN PROFILE

1035.61 1035.55 1034.51 1033.26 1031.83 1030.15 1028.12 1026.07 1024.05 1022.42 1020.59 1018.60 1016.73 1015.32 1013.89 1012.78 1011.80 1011.40 1010.85 1010.55 1010.58 1010.41 1010.31 1010.34 1010.03 1010.12 1009.71 1009.65 1009.33 1009.39 1008.91 1009.01 1008.43 1008.74 1007.95 1008.16 1007.46

1040 1030 1020 1010 1000

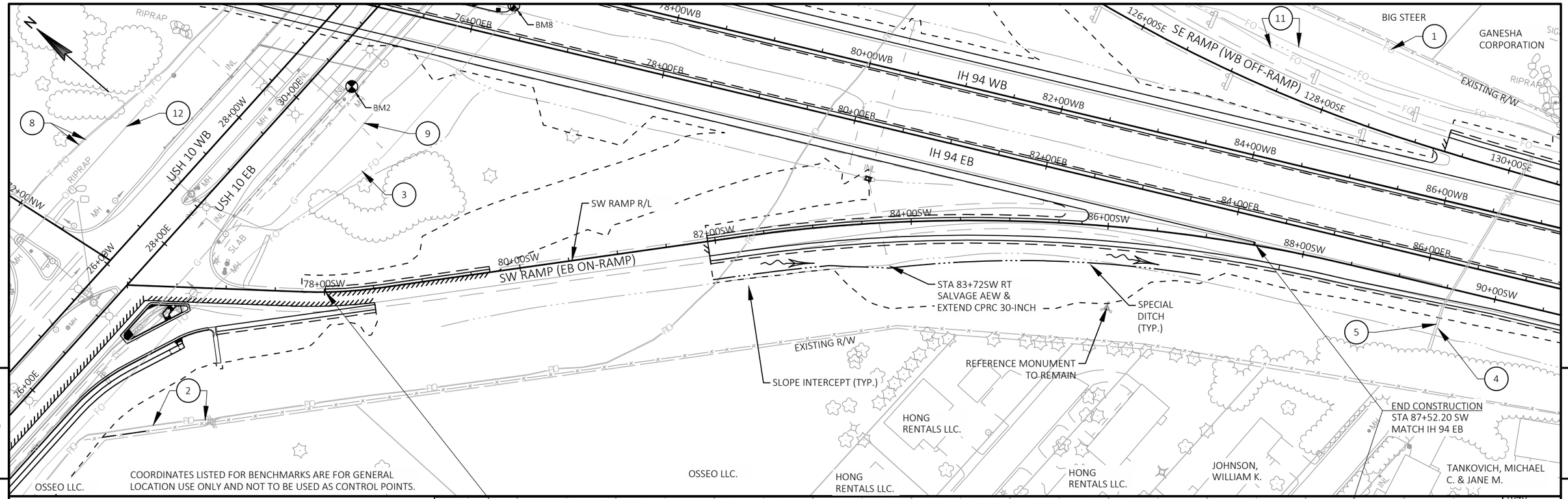
120+00 121+00 122+00 123+00 124+00 125+00 126+00 127+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: SE RAMP (WB OFF-RAMP)	SHEET 324	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050103-PP-RAMPS.DWG
LAYOUT NAME - SE RAMP

PLOT DATE : 2/13/2021 1:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: SW RAMP (EB ON-RAMP)	SHEET 325	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050103-PP-RAMPS.DWG
LAYOUT NAME - SW RAMP
PLOT DATE : 2/13/2021 1:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

DURST, BRADLEY R.

WI DEPT NATURAL RESOURCES

BREHM REVOCABLE LIVING TRUST, LYLE G.

EXISTING R/W

IH 94 EB

IH 94 WB

IH 94 EB R/L

IH 94 WB R/L

104+00EB

104+00WB

MC2 R/L

10+00MC2

11+82MC2

MAINTENANCE CROSSOVER 2

SEE "PLAN AND PROFILE: IH 94 WB" FOR GUARDRAIL INFORMATION

WETLAND BOUNDARY

SLOPE INTERCEPT (TYP.)

BEGIN CONSTRUCTION
STA 10+00.00 MC2
MATCH IH 94 EB

END CONSTRUCTION
STA 11+81.54 MC2
MATCH IH 94 WB

UTILITY LEGEND

1 AT&T LEGACY

VCL = 85.00
K = 9.36

VCL = 85.00
K = 16.72

EXISTING PROFILE

-2.00%

2.00%

VPC STA 10+07.50MC2
VPC EL 984.54

VPI STA 10+50.00MC2
VPI EL 983.70

VPC STA 10+92.50MC2
VPC EL 986.71

VPI STA 11+35.00MC2
VPI EL 989.72

VPT STA 11+77.50MC2
VPT EL 990.57

STA 11+81.54
EL 990.65

STA 10+00.00
EL 984.70

VPT STA 10+92.50MC2
VPT EL 986.71

PROPOSED DESIGN PROFILE

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

990

980

985.38 985.38

985.88 985.88

988.03 988.03

990.39 990.39

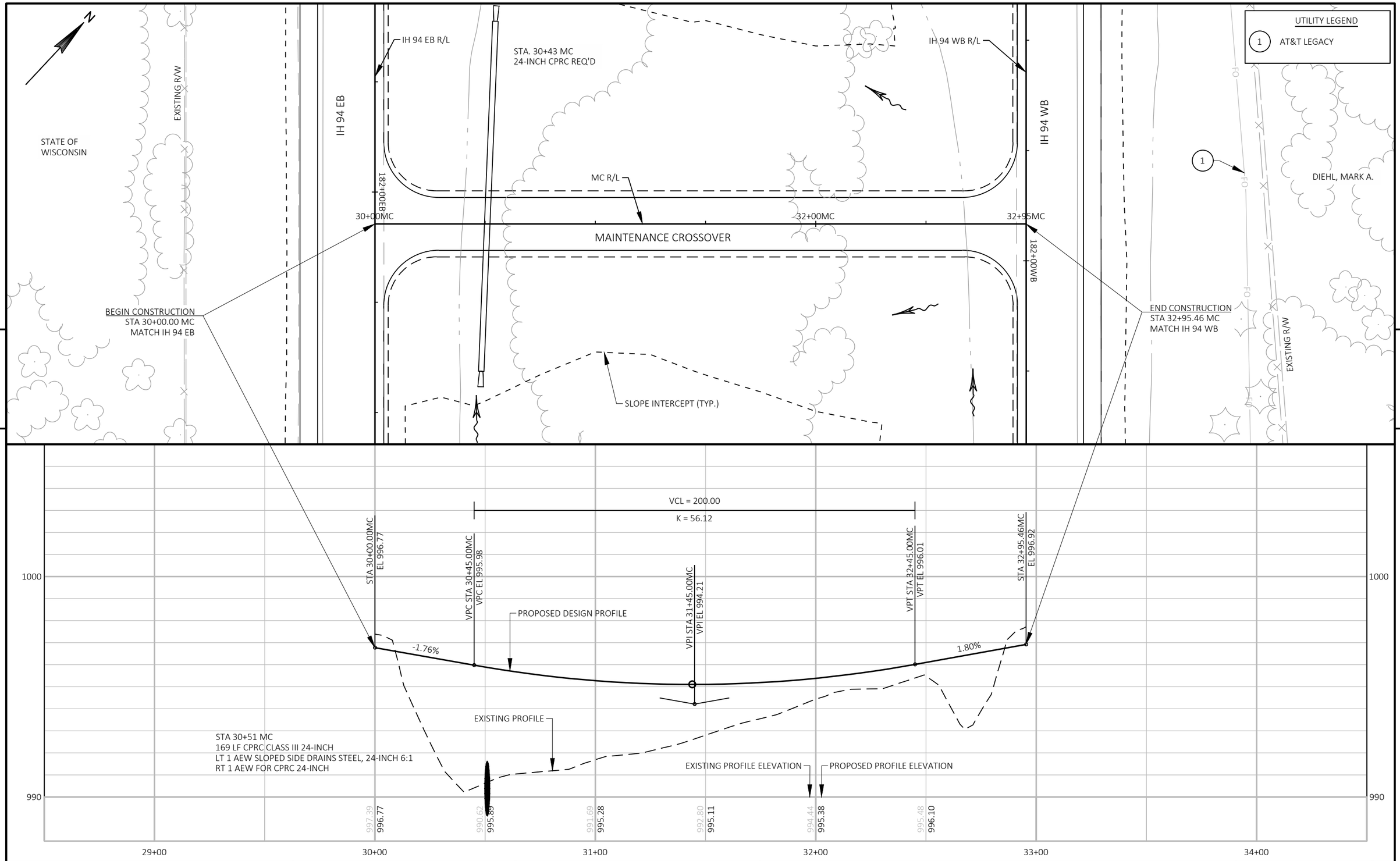
9+00 10+00 11+00 12+00 13+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: MAINTENANCE CROSSOVER 2	SHEET 326	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050104-PP-MAINTENANCE CROSSOVER.DWG
LAYOUT NAME - 2

PLOT DATE : 2/13/2021 1:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: MAINTENANCE CROSSOVER #3	SHEET 327	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050104-PP-MAINTENANCE CROSSOVER.DWG
LAYOUT NAME - 1

PLOT DATE : 10/25/2021 4:57 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

UTILITY LEGEND

1 AT&T LEGACY
3 CINC
5 CITY OF OSSEO (WATER)
9 WE ENERGIES
12 XCEL ENERGY

WETLAND BOUNDARY
WI DEPT NATURAL RESOURCES
EXISTING R/W
CITY OF OSSEO
RIPRAP
35+00WB
IH 94 WB
40+00WB
45+00WB
SLOPE INTERCEPT (TYP.)
44+21EB, -33.1' LT
35+00EB
35+00TR
IH 94 EB
40+00EB
40+00TR
TR-LINE R/L
45+00EB
IH 94 TEMP ROAD
MATCH LINE STA. 46+00.00 TR
BM5
CULVERT PIPE TEMPORARY 15-INCH
BEGIN CONSTRUCTION
STA 38+54.74 TR
MATCH IH 94 EB
STA. 42+91 WB - STA. 42+94 WB, RT.
100 LF SALVAGE TRAIL
50 LF MGS GUARDRAIL 3
1- MGS GUARDRAIL TERMINAL EAT
EAT POST 1 AT STA 42+94, 12.6' RIGHT
IHLE REVOCABLE TRUST, DAVID P.
WI DEPT NATURAL RESOURCES
SEVERSON, MARIAN I
OSSEO-FARICHILD SCHOOL
NORTHWEST REALTY INVESTMENT CO LLP.
SEE "PLAN AND PROFILE: IH 94 WB" FOR ADDITIONAL PIPE INFORMATION

VCL = 250.00
K = 295.95
STA 39+87.78TR
EL 988.40
VPI STA 43+17.70TR
VPI EL 988.24
VPT STA 44+42.70TR
VPT EL 989.24
TEMPORARY DESIGN PROFILE
-0.05%
0.80%
EXISTING PROFILE
VPC STA 41+92.70TR
VPC EL 988.30
EXISTING PROFILE ELEVATION
TEMPORARY PROFILE ELEVATION

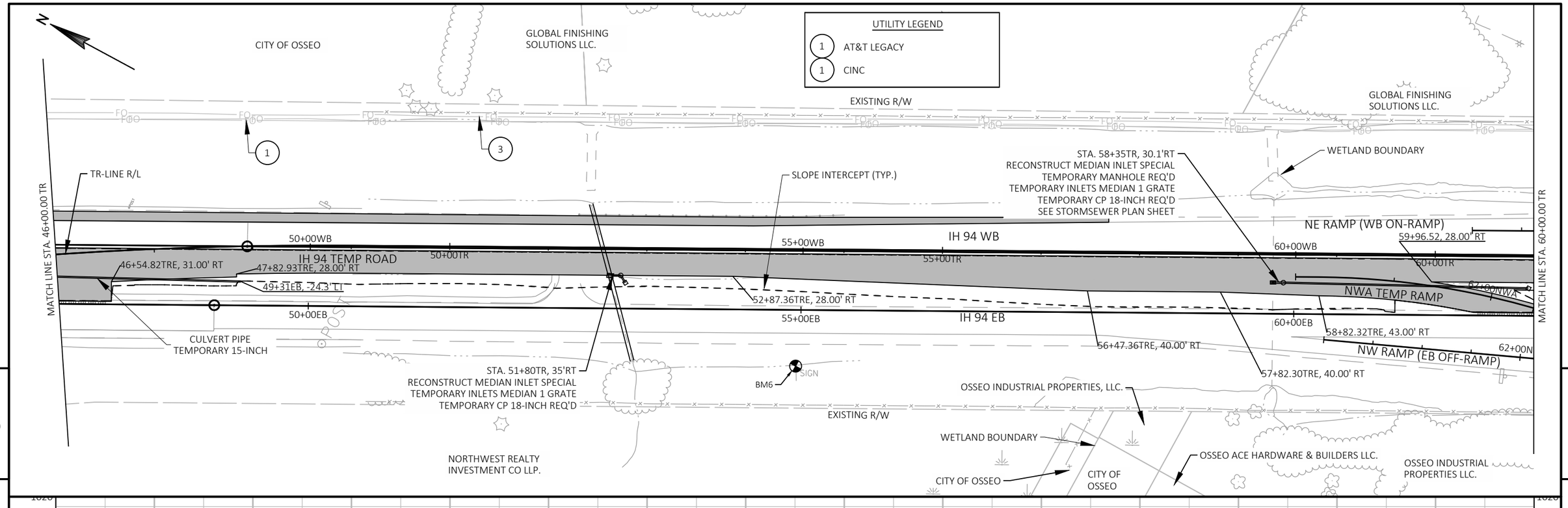
1010
1000
990
980
970

992.55 992.51 992.31 992.05 991.93 990.87 990.67 990.35 989.18 988.96 988.75 988.56 988.36 988.39 988.17 988.37 987.65 988.34 987.10 988.32 986.62 988.30 986.08 988.33 985.83 988.44 986.31 988.64 986.86 988.93 987.58 989.29 988.58 989.69 989.47 990.09 990.17 990.49

31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00

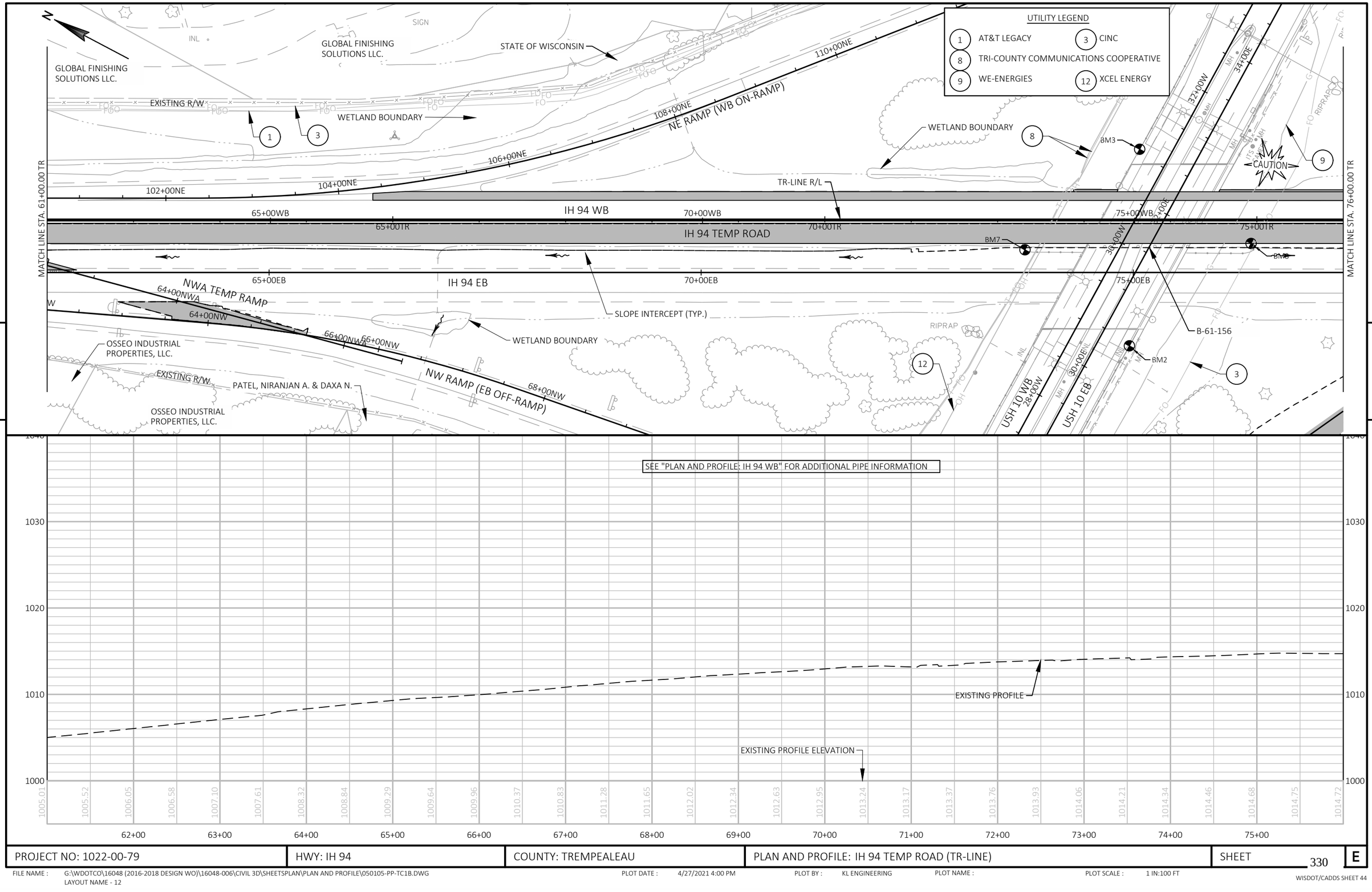
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 328	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 10
PLOT DATE : 4/27/2021 3:59 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 329	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 11
PLOT DATE : 4/27/2021 3:59 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 330	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 12
PLOT DATE : 4/27/2021 4:00 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

UTILITY LEGEND

1 AT&T LEGACY
2 CENTURYLINK
4 CITY OF OSSEO (SANITARY)
5 CITY OF OSSEO (WATER)
7 EAU CLAIRE ENERGY COOPERATIVE
11 WISCONSIN DEPARTMENT OF TRANSPORTATION
12 XCEL ENERGY

MATCH LINE STA. 76+00.00 TR

MATCH LINE STA. 91+00.00 TR

124+00SE SE RAMP (WB OFF-RAMP) 126+00SE 128+00SE 130+00SE 132+00SE

TR-LINE R/L

IH 94 WB

80+00WB 80+00TR 78+00SWA 79+72.20TRE, 28.0' RT 80+74.95TRE, 42.9' RT 81+73.35TRE, 40.0' RT 85+00WB 85+00TR 90+00WB 90+00TR

IH 94 TEMP ROAD

84+87.70TRE, 39.4' RT 87+58.77TRE, 34.9' RT

IH 94 EB

80+00EB 76+00SWA 85+00EB 88+00SW 90+00SW 92+00SW 90+00EB

SLOPE INTERCEPT (TYP.)

SEE SWA PLAN & PROFILE

TEMPORARY COVER PLATE

BM36

74+00SWA 84+00SW 86+00SW 82+00SW

SWA TEMP RAMP

SW RAMP (EB ON-RAMP)

EXISTING R/W

BIG STEER

GANESHA CORPORATION

BREHM REVOCABLE LIVING TRUST, LYLE G.

HONG RENTALS LLC.

HONG RENTALS LLC.

JOHNSON, WILLIAM K.

TANKOVICH, MICHAEL C. & JANE M.

DAHL, WILLIS

STREHLAU, DANIEL J. JR & RENEE M.

BANHUB FAMILY TRUST

NELSON, REVA

SEE "PLAN AND PROFILE: IH 94 WB" FOR ADDITIONAL PIPE INFORMATION

STA 80+30WB
EXISTING 36-INCH CP TO REMAIN

STA 90+69.53TR
EL 1006.50

EXISTING PROFILE

EXISTING PROFILE ELEVATION

1040 1030 1020 1010 1000

1014.72 1014.70 1014.68 1014.66 1014.59 1014.51 1014.51 1014.45 1014.32 1014.17 1014.01 1013.86 1013.74 1013.47 1013.18 1012.91 1012.53 1012.25 1011.83 1011.45 1011.11 1010.50 1010.12 1009.66 1009.34 1008.90 1008.35 1007.84 1007.31 1006.74 1006.08

77+00 78+00 79+00 80+00 81+00 82+00 83+00 84+00 85+00 86+00 87+00 88+00 89+00 90+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 331	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 13

PLOT DATE : 10/21/2021 1:42 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

UTILITY LEGEND

1 AT&T LEGACY

7 EAU CLAIRE ENERGY COOPERATIVE

BREHM REVOCABLE LIVING TRUST, LYLE G.

N

BM9

SLAB

SIGN

EXISTING R/W

WETLAND BOUNDARY

MATCH LINE STA. 91+00.00 TR

95+00WB

IH 94 WB

95+00TR

100+00WB

100+00TR

105+00WB

105+00TR

IH 94 TEMP ROAD

MATCH LINE STA. 106+00.00 TR

BM10

TR-LINE R/L

93+12.88TRE, 28.1' RT

92+91.35TRE, 46.6' RT

94+50.84TRE, 43.0' RT

95+99.16TRE, 40.0' RT

103+11.66TRE, 28.0' RT

94+61EB, -16.7' LT

95+00EB

95+56EB, -13.8' LT

IH 94 EB

105+34TR RT
EXTEND CPRC 30-INCH
SALVAGE AEW FOR CP 30-INCH

CP TEMPORARY 15-INCH REQ'D

SLOPE INTERCEPT (TYP.)

100+00EB

WETLAND BOUNDARY

STA. 98+55TR RT
REMOVE MASONRY ENDWALL
EXTEND CULVERT
INSTALL AEW FOR CPRC 60-INCH

105+00EB

BM11

RIPRAP

BAHNUB FAMILY TRUST

BAHNUB FAMILY TRUST

BAHNUB FAMILY TRUST

SEE "PLAN AND PROFILE: IH 94 WB" FOR ADDITIONAL PIPE INFORMATION

-1.34%

-1.32%

-1.21%

STA 93+22.52TR
EL 1003.10

98+55TR, RT
CONC COLLAR FOR PIPE REQD
44 LF CPRC CLASS III 60-INCH REQ'D
1 AEW FOR CPRC 60-INCH REQ'D

STA 100+00.00TR
EL 994.19

TEMPORARY DESIGN PROFILE

EXISTING PROFILE

VPC STA 105+75.00TR
VPC EL 987.23

VCL = 1200.00

K = 714.27

EXISTING PROFILE ELEVATION

TEMPORARY PROFILE ELEVATION

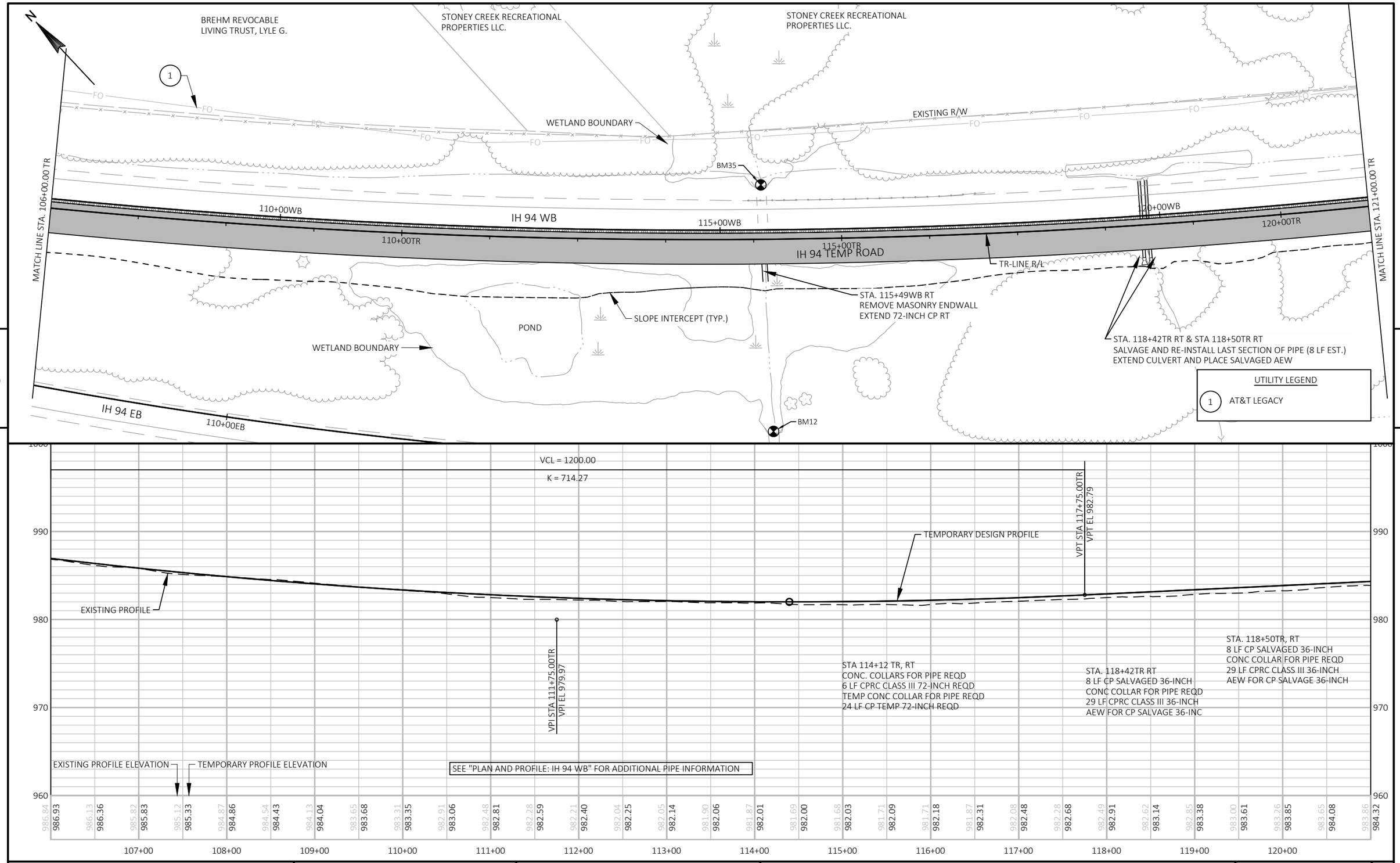
92+00	93+00	94+00	95+00	96+00	97+00	98+00	99+00	100+00	101+00	102+00	103+00	104+00	105+00
1006.09	1005.42	1004.75	1004.08	1003.41	1002.74	1002.08	999.45	998.80	998.14	997.48	996.82	996.16	995.51	994.85	994.19	993.58	992.98	992.37	991.77	991.16	990.56	989.95	989.35	988.74	988.14	987.53	986.93

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 332	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 14

PLOT DATE : 10/31/2021 9:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 333	E

STONEY CREEK RECREATIONAL PROPERTIES LLC.

ZEIGLE, STEPHEN J. & GRISELDA

N

SIGN

SIGN

1

EXISTING R/W

FO

WETLAND BOUNDARY

SIGN

SIGN

MATCH LINE STA. 121+00.00 TR

123+63.08TRE, -4.00' LT

125+00WB

IH 94 WB

130+00WB

135+00WB

134+99.90TRE, -33.59' LT

TR-LINE R/L

125+00TR

130+00TR

135+00TR

IH 94 TEMP ROAD

MATCH LINE STA. 136+00.00 TR

EMERGENCY PULLOUT

STA 134+63TR
TEMP MEDIAN INLETS 1 GRATE REQD
CP TEMPORARY 18-INCH REQD

SLOPE INTERCEPT (TYP.)

UTILITY LEGEND

1 AT&T LEGACY

5

5

SEE "PLAN AND PROFILE: IH 94 WB" FOR ADDITIONAL PIPE INFORMATION

VCL = 325.00

K = 295.86

VPC STA 130+92.94TR
VPC EL 988.99

VPT STA 134+17.94TR
VPT EL 988.73

TEMPORARY DESIGN PROFILE

0.47%

-0.63%

EXISTING PROFILE

VPI STA 132+55.44TR
VPI EL 989.75

STA 134+65 TR
LT TEMPORARY INLETS MEDIAN 1 GRATE REQD
56 LF CULVERT PIPE TEMPORARY 18-INCH

EXISTING PROFILE ELEVATION

TEMPORARY PROFILE ELEVATION

1010 1000 990 980 970

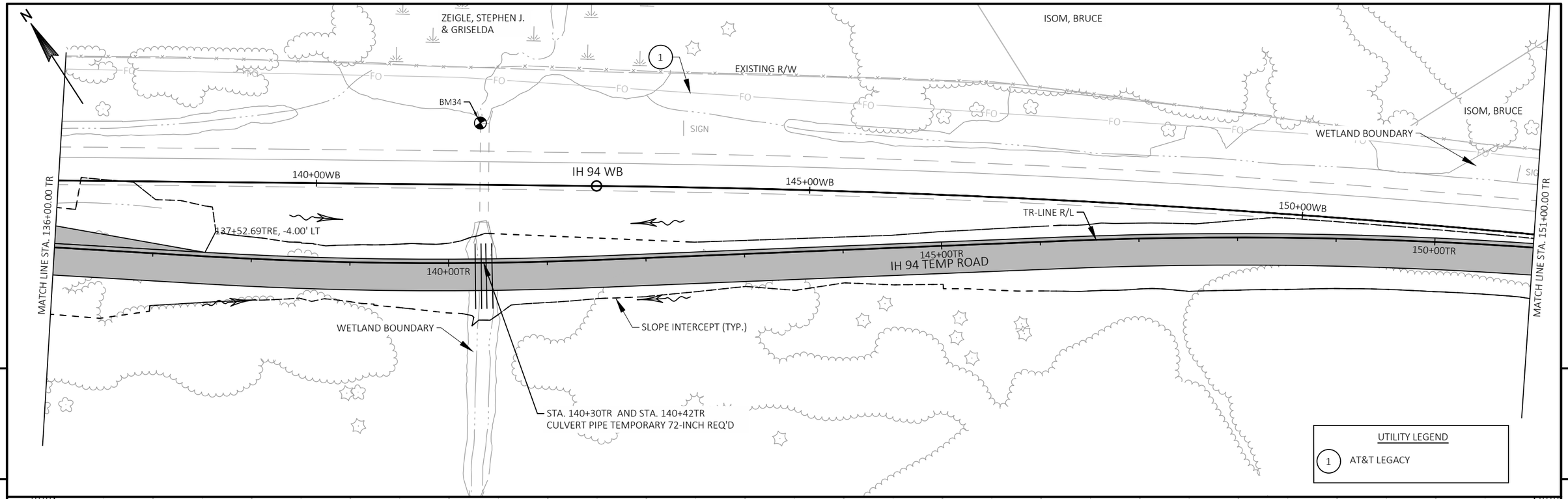
122+00	123+00	124+00	125+00	126+00	127+00	128+00	129+00	130+00	131+00	132+00	133+00	134+00	135+00
983.86	984.05	984.22	984.64	984.71	984.74	984.47	984.45	984.34	984.38	984.28	984.05	984.63	985.10	985.47	986.42	987.26	988.39	989.75	991.00	992.22	992.56	993.03	992.81	992.45	992.53	992.29	991.77	991.33	991.18	990.63
984.32	984.55	984.79	985.02	985.26	985.49	985.73	985.96	986.20	986.43	986.67	986.90	987.14	987.37	987.61	987.84	988.08	988.31	988.55	988.78	989.02	989.20	989.30	989.31	989.23	989.08	988.84	988.53	988.21	987.90	987.58

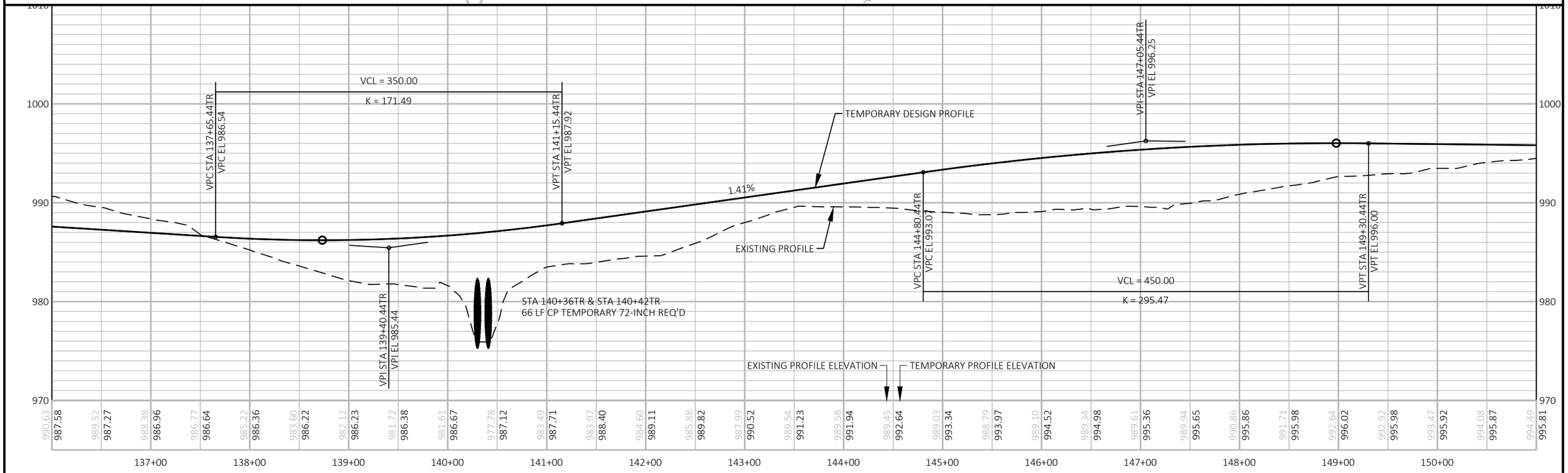
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 334	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 16

PLOT DATE : 4/27/2021 4:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 335	E

ISOM, BRUCE

ISOM, BRUCE

EXISTING R/W

BM33

BM32

IH 94 WB

IH 94 TEMP ROAD

155+00WB

155+00TR

160+00WB

160+00TR

165+00WB

165+00TR

TR-LINE R/L

MATCH LINE STA. 151+00.00 TR

MATCH LINE STA. 166+00.00 TR

SLOPE INTERCEPT (TYP.)

STA 152+12TR & STA 152+19TR RT
REMOVE AEW
SALVAGE AND RE-INSTALL LAST SECTION OF PIPE (8 LF EST.)
EXTEND CP 30-INCH

STA 161+80TR & STA 161+90TR, RT
REMOVE AEW 48-INCH
EXTEND CP

UTILITY LEGEND

1 AT&T LEGACY

6 DAIRYLAND POWER COOPERATIVE

SEE "PLAN AND PROFILE: IH 94 WB" FOR ADDITIONAL PIPE INFORMATION

STA 152+12TR RT
6 LF CP SALVAGED 30-INCH
6 LF CPRC 30-INCH CLASS III
39 LF CP TEMPORARY 30-INCH REQD
TEMP CONCRETE COLLAR FOR PIPE REQ'D

STA.152+19TR RT
6 LF CPRC 30-INCH CLASS III
39 LF CP TEMPORARY 30-INCH REQD
TEMP CONCRETE COLLAR FOR PIPE REQ'D

-0.11%

TEMPORARY DESIGN PROFILE

EXISTING PROFILE

STA 165+05.44TR
EL 994.26

STA 161+80TR & 161+90TR, RT
CONC. COLLARS FOR PIPE REQD
6 LF CPRC 48-INCH REQD
TEMP CONC COLLAR FOR PIPE REQD
30 LF CP TEMP 48-INCH REQD

EXISTING PROFILE ELEVATION

TEMPORARY PROFILE ELEVATION

152+00	153+00	154+00	155+00	156+00	157+00	158+00	159+00	160+00	161+00	162+00	163+00	164+00	165+00
994.49	994.87	994.86	994.93	995.04	995.15	994.87	994.73	994.89	994.66	994.62	994.61	994.11	994.03
995.81	995.76	995.70	995.65	995.59	995.54	995.48	995.43	995.37	995.32	995.26	995.21	995.15	995.10
994.08	994.10	993.99	994.18	994.32	994.33	994.12	994.02	993.91	994.20	994.21	994.24	994.13	993.64
995.04	994.98	994.93	994.87	994.82	994.76	994.71	994.65	994.60	994.54	994.49	994.43	994.38	994.32
993.40	993.50	993.55											
994.27	994.24	994.23											

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 336	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 18

PLOT DATE : 4/27/2021 4:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

ISOM, BRUCE

DIEHL, MARK A.

EXISTING R/W

MATCH LINE STA. 166+00.00 TR

MATCH LINE STA. 181+00.00 TR

IH 94 WB

170+00WB

175+00WB

180+00WB

170+00TR

175+00TR

180+00TR

IH 94 TEMP ROAD

BM31

TR-LINE R/L

~~STA 168+00TR~~
TEMP CP 15-INCH REQD
FOR FUTURE STAGE,
BURY INLET END

SLOPE INTERCEPT (TYP.)

STA 167+44TR, RT
REMOVE AEW 36-INCH
EXTEND CP

STA. 177+81WB
SALVAGE AEW
EXTEND CPRC 48-INCH

UTILITY LEGEND

1 AT&T LEGACY

6 DAIRYLAND POWER COOPERATIVE

SEE "PLAN AND PROFILE: IH 94 WB" FOR ADDITIONAL PIPE INFORMATION

VCL = 560.00

K = 1117.37

VPC STA 170+75.44TR
VPC EL 994.05

VPT STA 176+35.44TR
VPT EL 995.25

VPI STA 173+55.44TR
VPI EL 993.95

TEMPORARY DESIGN PROFILE

EXISTING PROFILE

-0.04%

STA 167+44TR, RT
CONC. COLLARS FOR PIPE REQD
6 LF CPRC 36-INCH REQD
TEMP CONC COLLAR FOR PIPE REQD
28 LF CP TEMP 36-INCH REQD

STA 168+00 TR
55 LF CP TEMP 15-INC REQD

STA. 177+80WB RT
CONCRETE COLLAR FOR PIPE REQD
30 LF CPRC 48-INCH CLASS III REQ'D
1- AEW FOR CP SALVAGED 48-INCH REQ'D

EXISTING PROFILE ELEVATION

TEMPORARY PROFILE ELEVATION

1020	1010	1000	990	980

993.55	993.40	993.68	993.44	993.35	993.28	993.35	993.25	993.05	993.27	993.17	993.44	993.42	993.45	993.48	993.53	993.54	993.81	994.01	994.05	994.55	994.88	994.85	995.15	995.46	995.66	995.84	996.06	996.29	996.23	996.32
994.23	994.21	994.19	994.17	994.15	994.13	994.12	994.10	994.08	994.06	994.05	994.05	994.08	994.12	994.20	994.29	994.41	994.54	994.70	994.89	995.09	995.32	995.55	995.78	996.02	996.25	996.48	996.71	996.95	997.18	997.41

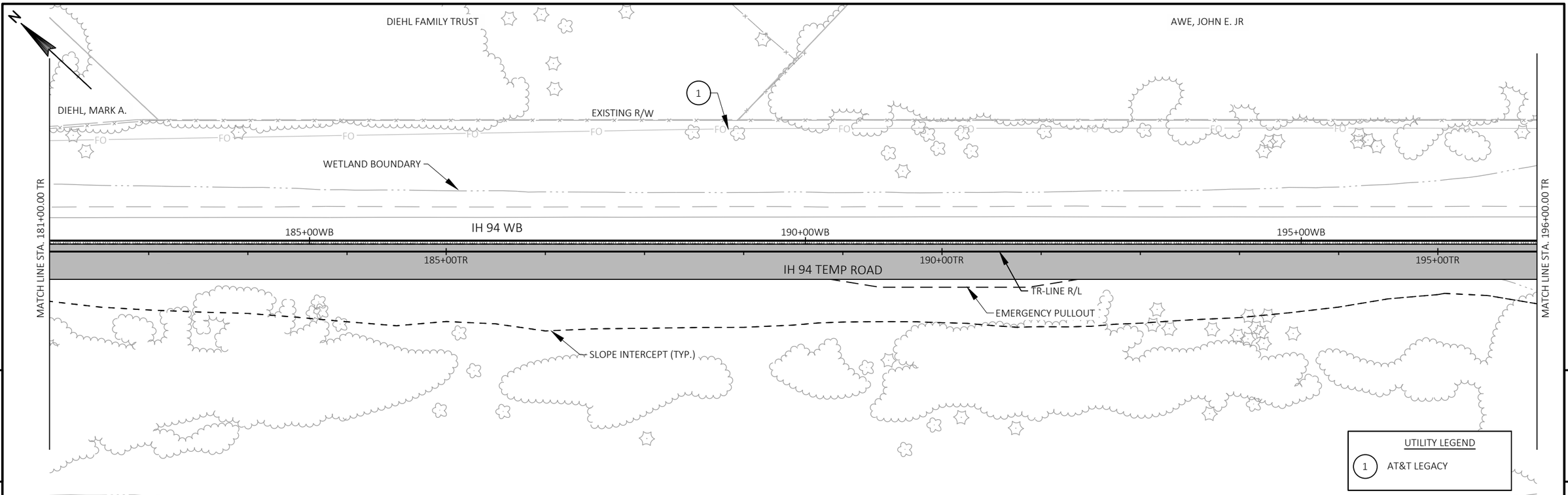
167+00	168+00	169+00	170+00	171+00	172+00	173+00	174+00	175+00	176+00	177+00	178+00	179+00	180+00

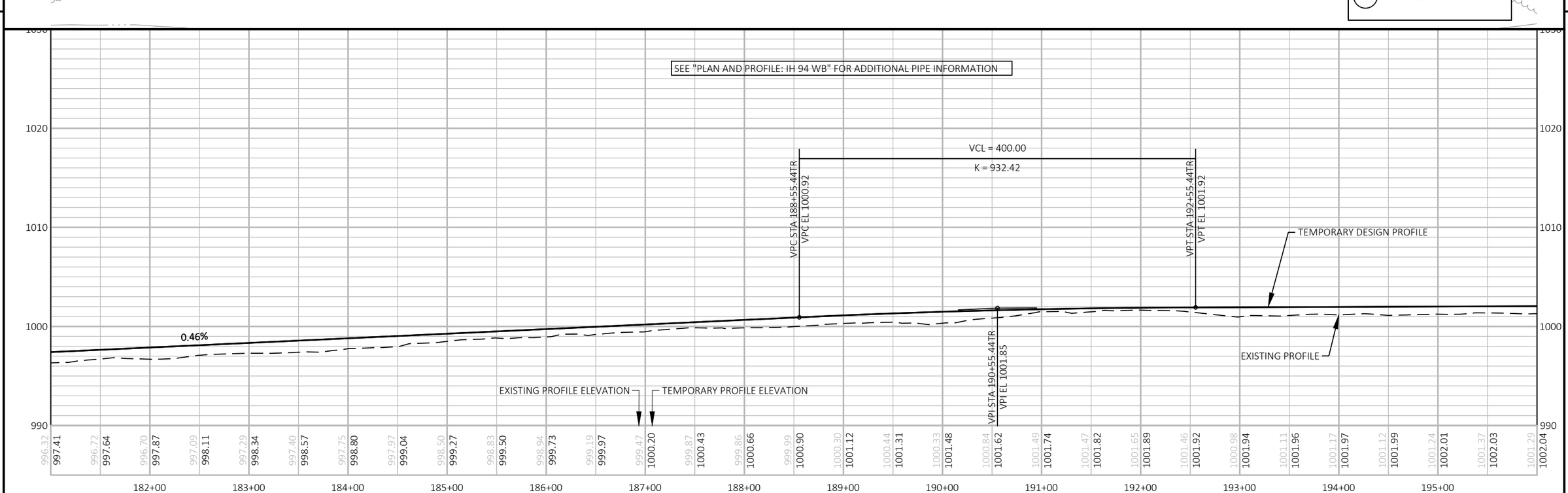
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 337	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 19

PLOT DATE : 4/27/2021 4:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 338	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 20

PLOT DATE : 4/27/2021 4:02 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

AWE, JOHN E. JR

AWE, JOHN E. JR

HOFFMAN, PETER

WETLAND BOUNDARY

SIGN

EXISTING R/W

BM30

BM29

MATCH LINE STA. 196+00.00 TR

MATCH LINE STA. 211+00.00 TR

200+00WB

IH 94 WB

205+00WB

210+00WB

200+00TR

205+00TR

210+00TR

IH 94 TEMP ROAD

TR-LINE R/L

SLOPE INTERCEPT (TYP.)

BOX CULVERT C-61-47 TO REMAIN
TEMPORARY WALL WIRE FACED
MECHANICALLY STABILIZED EARTH REQUIRED
SEE CONSTRUCTION DETAIL

STA. 207+42TR RT
EXTEND 30-INCH CPRC

UTILITY LEGEND

1 AT&T LEGACY

BM20

SEE "PLAN AND PROFILE: IH 94 WB" FOR ADDITIONAL PIPE INFORMATION

VCL = 300.00

K = 1203.44

VPC STA 210+05.44TR

VPC ELI 1002.55

TEMPORARY DESIGN PROFILE

0.04%

STA. 207+42TR, RT
12 LF CPRC CLASS III 30-INCH REQ'D
TEMP CONC COLLARS FOR PIPE REQD
28 LF CP TEMPORARY 36-INCH
RT - AEW FOR CP SALVAGED 30-INCH

EXISTING PROFILE

EXISTING PROFILE ELEVATION

TEMPORARY PROFILE ELEVATION

STA. 196+74TR
TWIN 8'X7' BOX CULVERT
C-61-47

1030 1020 1010 1000 990

1001.29 1002.04 1001.10 1002.06 1001.08 1002.08 1001.39 1002.10 1001.64 1002.12 1001.51 1002.13 1001.32 1002.15 1001.48 1002.17 1001.48 1002.19 1001.33 1002.21 1001.14 1002.22 1001.09 1002.24 1001.06 1002.26 1001.32 1002.28 1001.53 1002.29 1001.60 1002.31 1001.69 1002.33 1001.75 1002.35 1001.58 1002.37 1001.51 1002.38 1001.75 1002.40 1001.57 1002.42 1001.67 1002.44 1001.67 1002.46 1001.44 1002.47 1001.51 1002.49 1001.62 1002.51 1001.76 1002.53 1001.41 1002.54 1001.55 1002.57 1001.81 1002.62

197+00 198+00 199+00 200+00 201+00 202+00 203+00 204+00 205+00 206+00 207+00 208+00 209+00 210+00

5

5

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 339	E

UTILITY LEGEND

1 AT&T LEGACY

7 EAU CLAIRE ENERGY COOPERATIVE

HOFFMAN, PETER

CTH G

EXISTING R/W

IH 94 WB

IH 94 WB WIDENING

IH 94 TEMP ROAD

IH 94 EB

TR-LINE R/L

MATCH LINE STA. 211+00.00 TR

MATCH LINE STA. 226+00.00 TR

215+00WB

215+00TR

220+00WB

220+00TR

225+00WB

225+00TR

226+00XO

BM22

BM27

BM28

SIGN

STA. 216+31WB RT
EXTEND 42-INCH CPRC
SALVAGE AEW

SLOPE INTERCEPT (TYP.)

SEE "PLAN AND PROFILE: IH 94 WB" FOR ADDITIONAL PIPE INFORMATION

VCL = 300.00

K = 1203.44

VPI STA 211+55.44TR
VPI EL 1002.60

VPT STA 213+05.44TR
VPT EL 1003.03

VCL = 300.00

K = 741.17

VPC STA 218+05.44TR
VPC EL 1004.45

VPT STA 221+05.44TR
VPT EL 1004.70

VPI STA 219+55.44TR
VPI EL 1004.88

0.29%

-0.12%

TEMPORARY DESIGN PROFILE

EXISTING PROFILE

STA. 214+93TR
EXTEND 42-INCH CPRC, SEE "PLAN AND PROFILE: IH 94 WB"

EXISTING PROFILE ELEVATION

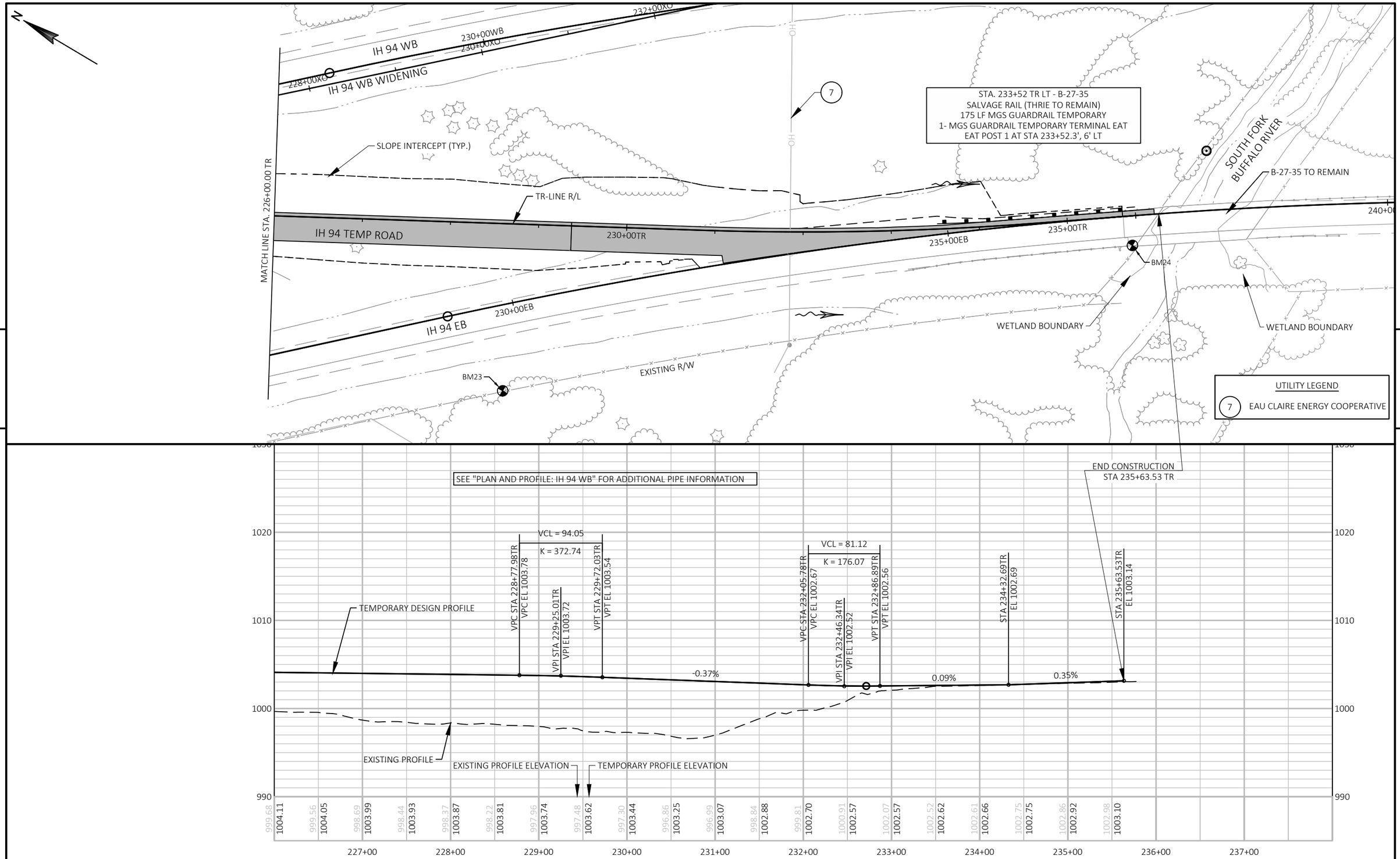
TEMPORARY PROFILE ELEVATION

1050 1020 1010 1000 990

1001.81 1002.62 1001.72 1002.68 1002.00 1002.77 1002.14 1002.88 1002.10 1003.01 1002.27 1003.15 1002.29 1003.30 1002.35 1003.44 1002.67 1003.58 1002.62 1003.72 1002.57 1003.87 1003.05 1004.01 1003.24 1004.15 1003.08 1004.29 1002.46 1004.44 1001.59 1004.57 1000.98 1004.66 999.67 1004.72 999.54 1004.75 999.42 1004.75 1000.10 1004.71 1000.20 1004.65 1001.01 1004.59 1001.39 1004.53 1000.93 1004.47 999.52 1004.41 999.33 1004.35 999.69 1004.29 999.70 1004.23 1000.03 1004.17 999.68 1004.11

212+00 213+00 214+00 215+00 216+00 217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00 225+00

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 340	E

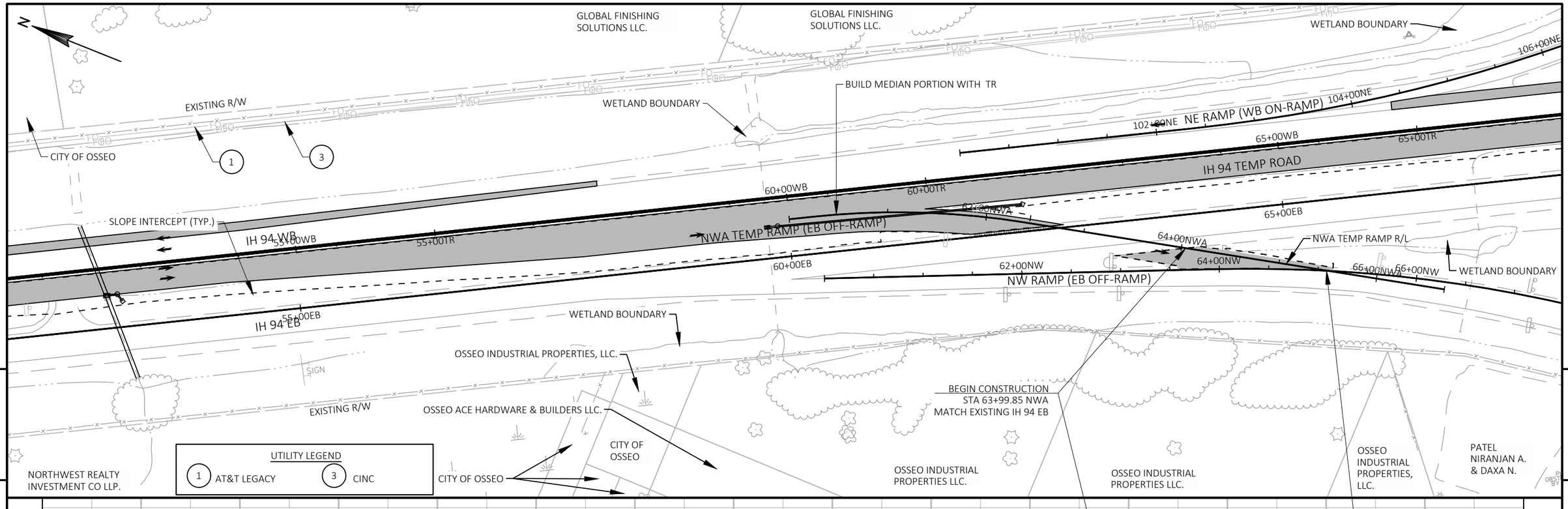


5

5

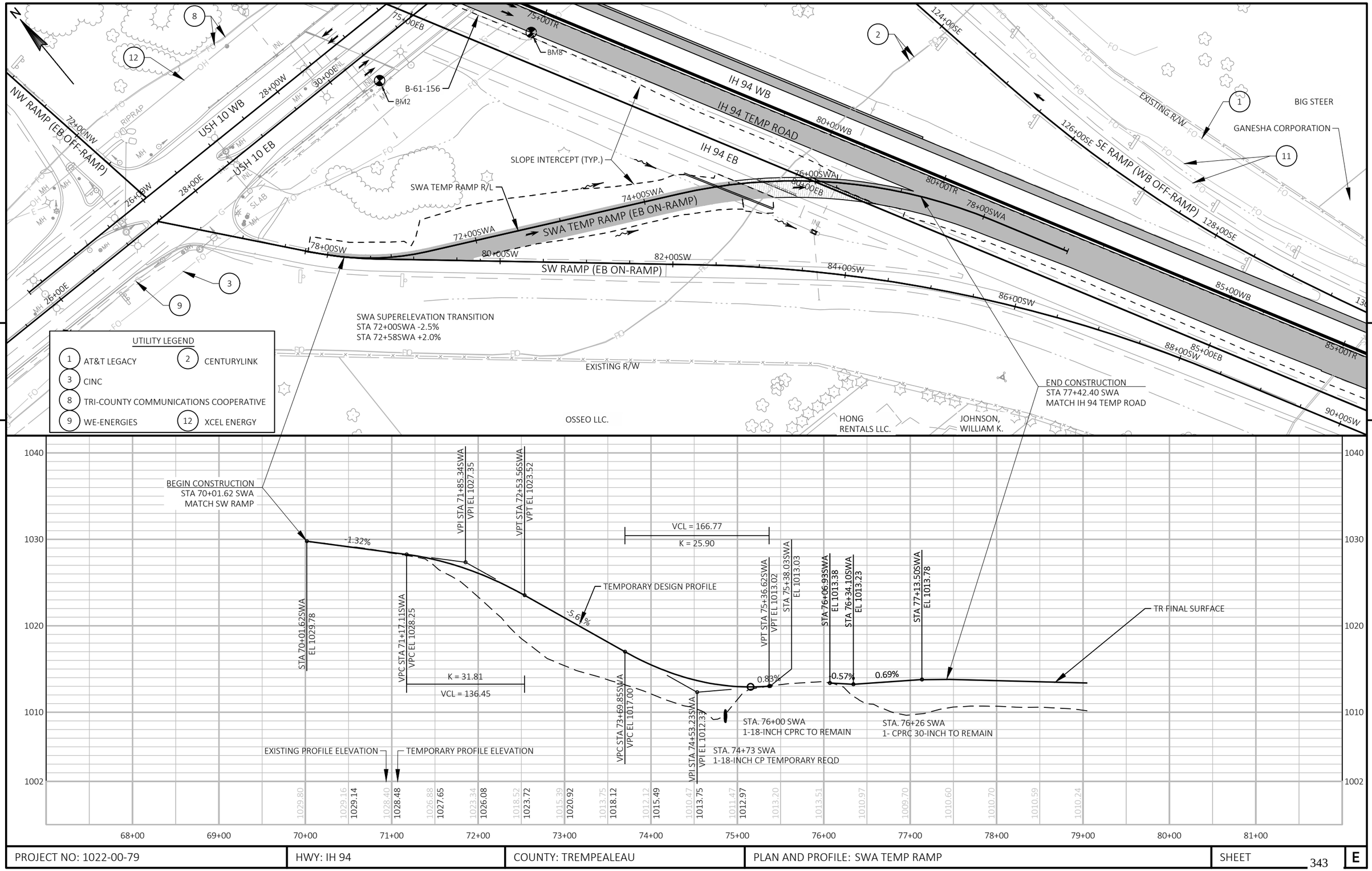
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD (TR-LINE)	SHEET 341	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 23
PLOT DATE : 4/27/2021 4:02 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: NWA TEMP RAMP	SHEET 342	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 24NWA
PLOT DATE : 10/21/2021 1:32 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: SWA TEMP RAMP	SHEET 343	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP-TC1B.DWG
LAYOUT NAME - 25SWA

PLOT DATE : 10/21/2021 1:21 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

UTILITY LEGEND

1 AT&T LEGACY

7 EAU CLAIRE ENERGY COOPERATIVE

CTH G

EXISTING R/W

SIGN

BM27

IH 94 WB

IH 94 WB WIDENING

IH-94 WB WIDENING
XO-LINE R/L

PC: 216+03.52XO

PL: 226+52.94XO

PC: 232+39.40XO

218+00WB 220+00WB 222+00WB 224+00WB 226+00WB 228+00WB 230+00WB 232+00WB

216TR 218TR 220TR 222TR 224TR 226TR 228TR 230TR

218XO 220XO 222XO 224XO 226XO 228XO 230XO 232XO

IH 94 TEMP ROAD

STA. 224+74XO RT
EXTEND 36-INCH CPRC
SALVAGE ENDWALL

SLOPE INTERCEPT (TYP.)

PT: 224+96.68TR

PC: 230+83.31TR

BEGIN CONSTRUCTION
STA 217+65.82 XO
MATCH TR-LINE

END CONSTRUCTION
STA 232+59.89XO
MATCH IH 94 WB

STAGE 1B XO WIDENING TO 225+50XO
STAGE 2C XO WIDENING AND FINAL WB PAVEMENT TO END

SEE "PLAN AND PROFILE: IH 94 WB" FOR ADDITIONAL PIPE INFORMATION

STA 217+65.82XO
EL 1003.93

STA 219+32.84XO
EL 1004.49

STA 224+00.00XO
EL 1005.41

STA 226+63.69XO
EL 1005.61

STA 232+59.89XO
EL 1004.81

TEMPORARY DESIGN PROFILE

0.34% 0.20% 0.07% -0.13%

EXISTING PROFILE

STA. 224+79XO RT
29 L.F. CPRC CLASS III 36-INCH
AEW FOR CP SALVAGED 36-INCH

EXISTING PROFILE ELEVATION

TEMPORARY PROFILE ELEVATION

1030 1020 1010 1000 990

1003.25 1004.04 1003.57 1004.21 1003.79 1004.38 1003.70 1004.53 1003.65 1004.63 1003.67 1004.72 1003.63 1004.82 1003.81 1004.92 1003.93 1005.02 1003.95 1005.12 1004.09 1005.21 1004.81 1005.31 1005.03 1005.41 1005.22 1005.45 1005.10 1005.48 1005.12 1005.52 1005.02 1005.56 1004.72 1005.59 1004.48 1005.56 1004.45 1005.49 1004.34 1005.42 1004.30 1005.36 1004.17 1005.29 1004.17 1005.22 1004.43 1005.16 1004.62 1005.09 1004.94 1005.02 1005.07 1004.95 1005.22 1004.89 1005.20 1004.82

218+00 219+00 220+00 221+00 222+00 223+00 224+00 225+00 226+00 227+00 228+00 229+00 230+00 231+00 232+00

5

5

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 WB WIDENING (XO-LINE)	SHEET 344	E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
2	30+45.69 E	34.5 RT	1,037.66	WISDOT VT CTL DISK TOP CONC PARAPET
8	76+36.38 EB	33.6 LT	1,015.87	MAG NAIL TOP GR WOOD POST

GANESHA CORPORATION

BREHM REVOCABLE LIVING TRUST, LYLE G.

EXISTING R/W

SE RAMP (WB OFF-RAMP)

SWB TEMP RAMP R/L

BM9

BM10

BM36

BP: 90+54.00SWB

PI: 91+99.89SWB

PC: 90+92.46TR

PI: 94+33.45TR

PC: 94+41.01TR

PI: 96+11.99SWB

EP: 96+31.08SWB

95SWB

IH 94 EB

TANKOVICH, MICHAEL C. & JANE M.

DAHL, WILLIS

STREHLAU, DANIEL J. JR & RENEE M.

BANHUB FAMILY TRUST

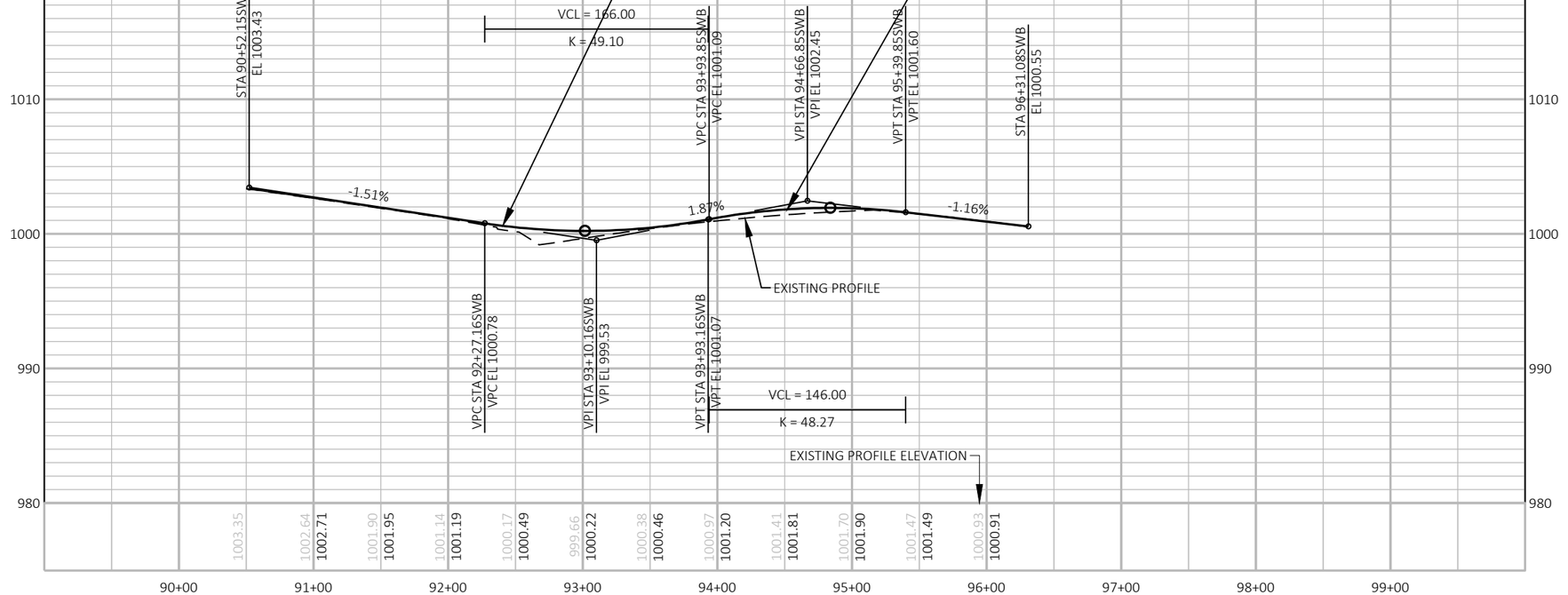
NELSON, REVA

BEGIN SWB CONSTRUCTION
STA 92+27SWB
MATCH 2A EB 6' WIDENING

END CONSTRUCTION
STA94+60SWB
MATCH TR WIDENING

UTILITY LEGEND

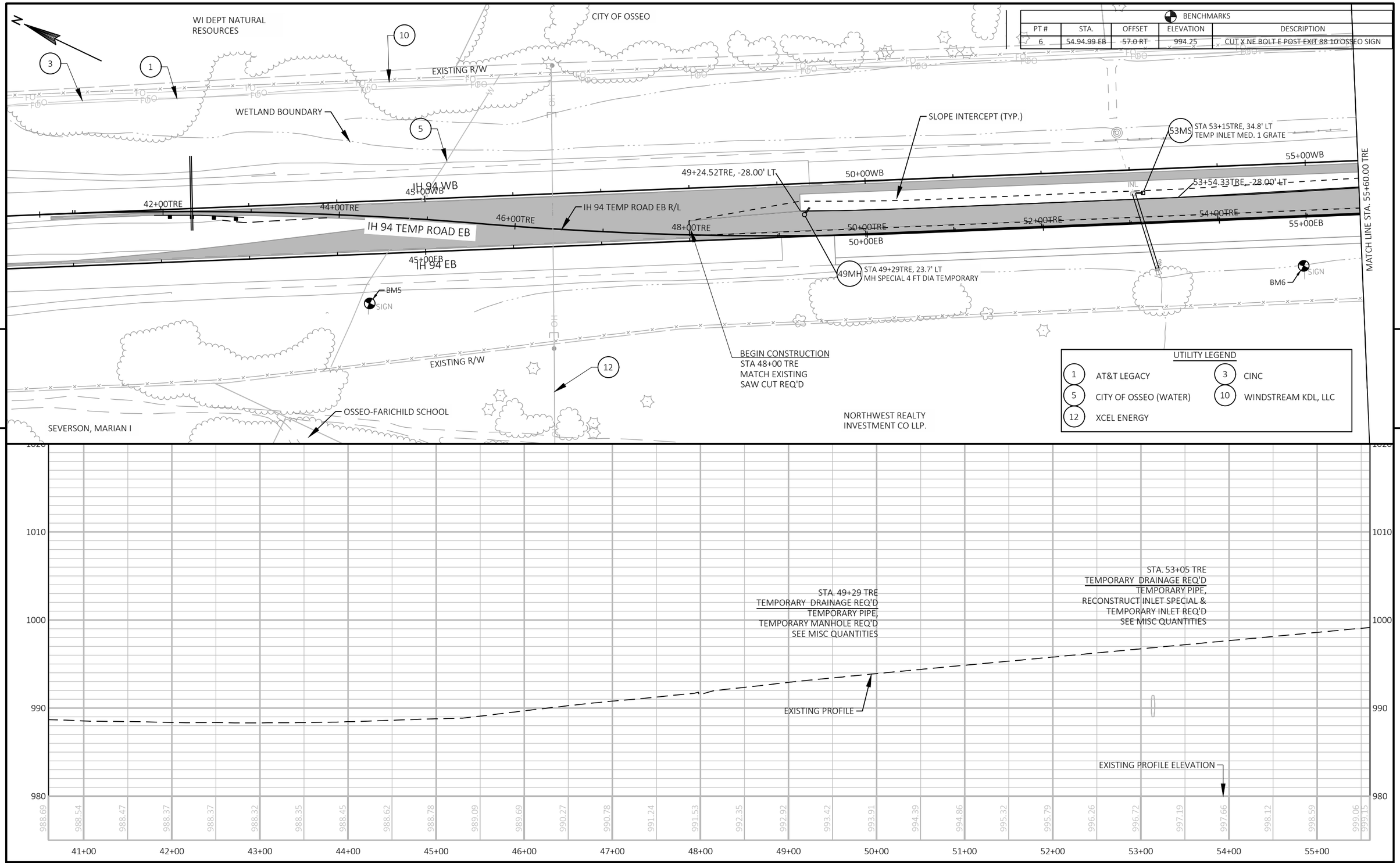
1	AT&T LEGACY
4	CITY OF OSSEO (SANITARY)
5	CITY OF OSSEO (WATER)
7	EAU CLAIRE ENERGY COOPERATIVE
11	WISCONSIN DEPARTMENT OF TRANSPORTATION
12	XCEL ENERGY



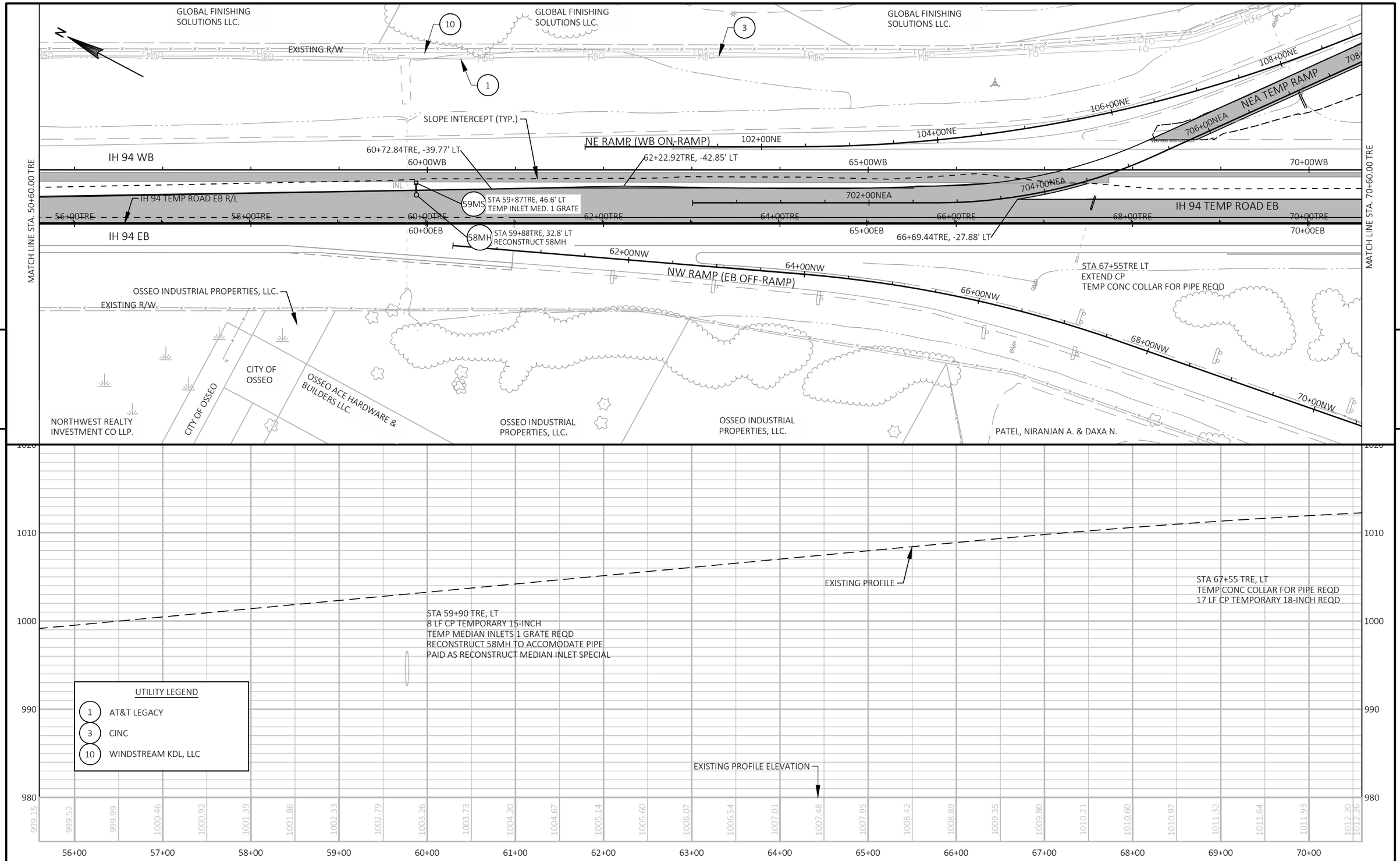
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: SWB RAMP (TEMPORARY EB ON-RAMP)	SHEET 345	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050106A-PP-TC2B-SWB.DWG
LAYOUT NAME - SWB

PLOT DATE : 11/1/2021 2:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD EB	SHEET 346	E



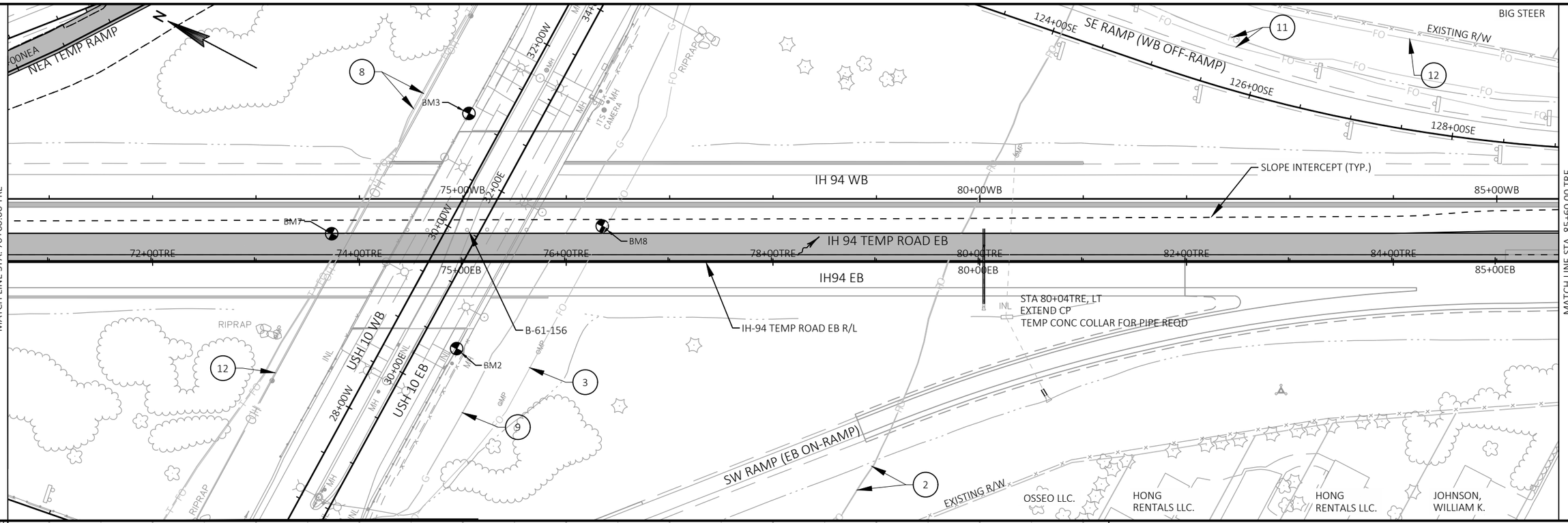
UTILITY LEGEND

1	AT&T LEGACY
3	CINC
10	WINDSTREAM KDL, LLC

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD EB	SHEET 347 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050107-PP-TC3A.DWG
LAYOUT NAME - 20

PLOT DATE : 4/27/2021 4:13 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

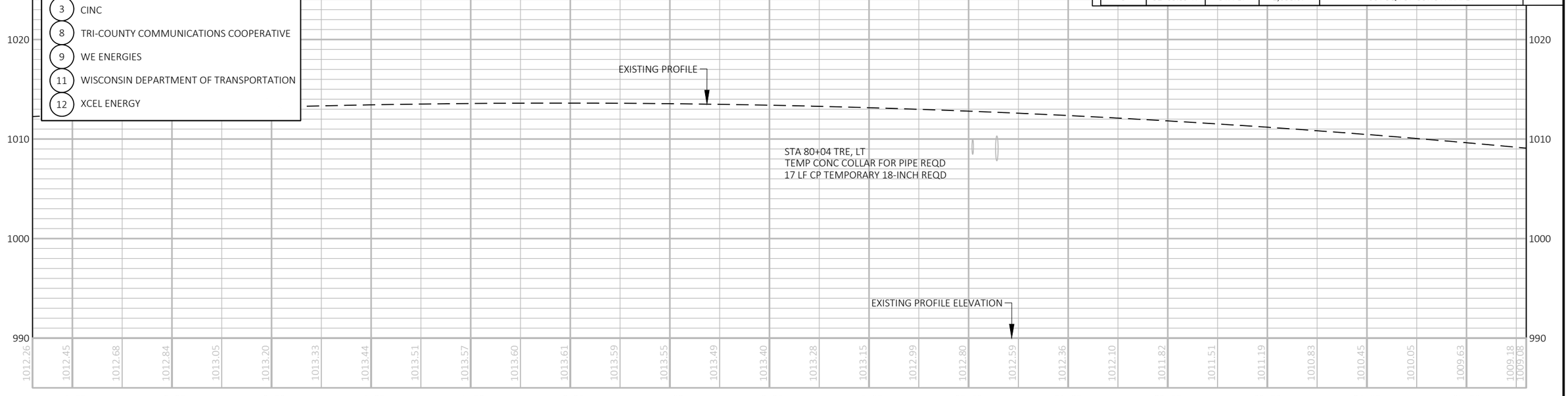


UTILITY LEGEND

1 AT&T LEGACY	2 CENTURYLINK
3 CINC	
8 TRI-COUNTY COMMUNICATIONS COOPERATIVE	
9 WE ENERGIES	
11 WISCONSIN DEPARTMENT OF TRANSPORTATION	
12 XCEL ENERGY	

BENCHMARKS

PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
2	30+45.69 E	34.5 RT	1,037.66	WISDOT VT CTL DISK TOP CONC PARAPET
3	31+05.39 W	34.4 LT	1,038.67	CUT SQ TOP CONC PARAPET



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD EB	SHEET 348	E

BENCHMARKS				
PT #	STA.	OFFSET	ELEVATION	DESCRIPTION
36	87+81.97 EB	62.06 RT	1,002.37	CUT SQ TOP SW END 36IN RCCP

UTILITY LEGEND

1	AT&T LEGACY
4	CITY OF OSSEO (SANITARY)
5	CITY OF OSSEO (WATER)
7	EAU CLAIRE ENERGY COOPERATIVE
11	WISCONSIN DEPARTMENT OF TRANSPORTATION
12	XCEL ENERGY

GANESHA CORPORATION

BREHM REVOCABLE LIVING TRUST, LYLE G.

EXISTING R/W

WETLAND BOUNDARY

130+00SE

STA 87+60TRE, 46.8' LT
TEMP INLET MED. 1 GRATE

87MS

132+00SE

SE RAMP (WB OFF-RAMP)

MATCH LINE STA. 85+60.00 TRE

86+00TRE

88+00TRE

STA 87+53TRE, 25.8' LT
RECONSTRUCT MEDIAN INLET SPECIAL

87RE

87MH

STA 87+59TRE, 29.0' LT
MH SPECIAL 4 FT DIA TEMPORARY

90+00WB

90+19.84TRE, -32.00' LT

90+19.77TRE, -30.00' LT

91+38.20TRE, -28.05' LT

IH 94 WB

95+00WB

100+00WB

IH 94 TEMP ROAD EB

92+00TRE

IH 94 TEMP ROAD EB R/L
94+00TRE

96+00TRE

90+00TRE

90+00EB

STA 90+19TRE, 36.5' LT
TEMP INLET MED. 1 GRATE

91INL

BM10

BM36

95+00EB

IH 94 EB

100+00EB

STA 91+87TRE, 5.0' RT
MH SPECIAL 4 FT DIA TEMPORARY

91MH

SLOPE INTERCEPT (TYP.)

END CONSTRUCTION
STA 95+87.32 TRE
MATCH IH 94 TEMP ROAD
SAWING ASPHALT REQ'D

EXISTING R/W

TANKOVICH, MICHAEL C. & JANE M.

DAHL, WILLIS

STREHLAU, DANIEL J. JR & RENEE M.

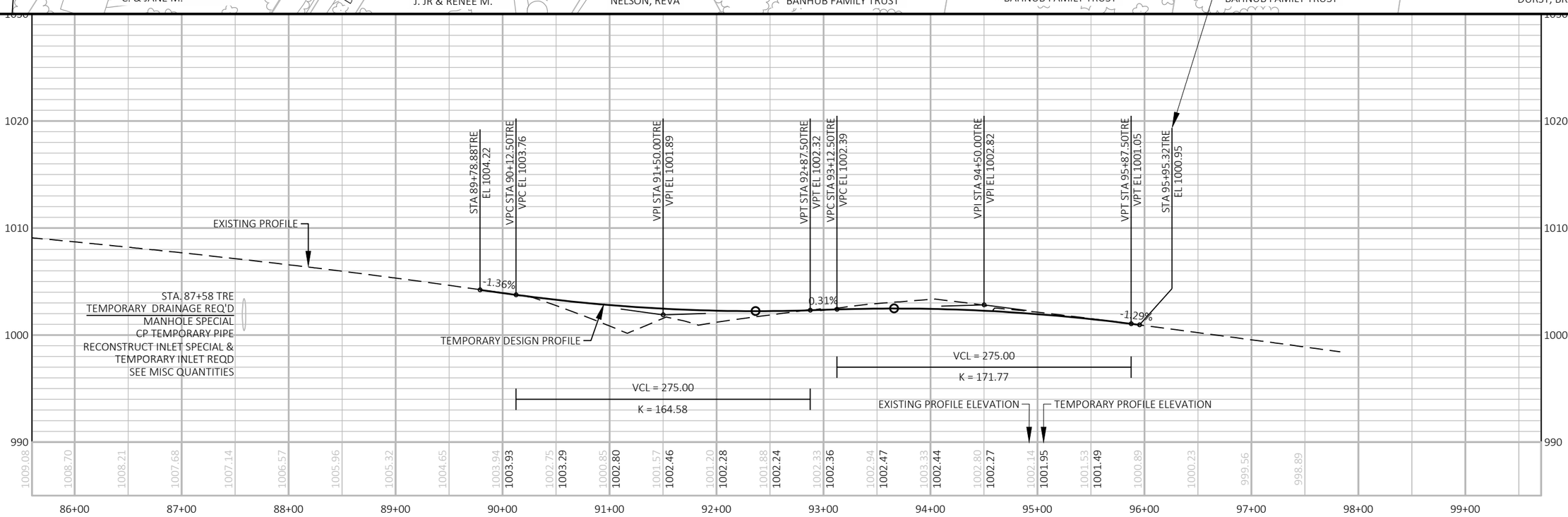
NELSON, REVA

BANHUB FAMILY TRUST

BAHNUB FAMILY TRUST

BAHNUB FAMILY TRUST

DURST, BRADLEY R.

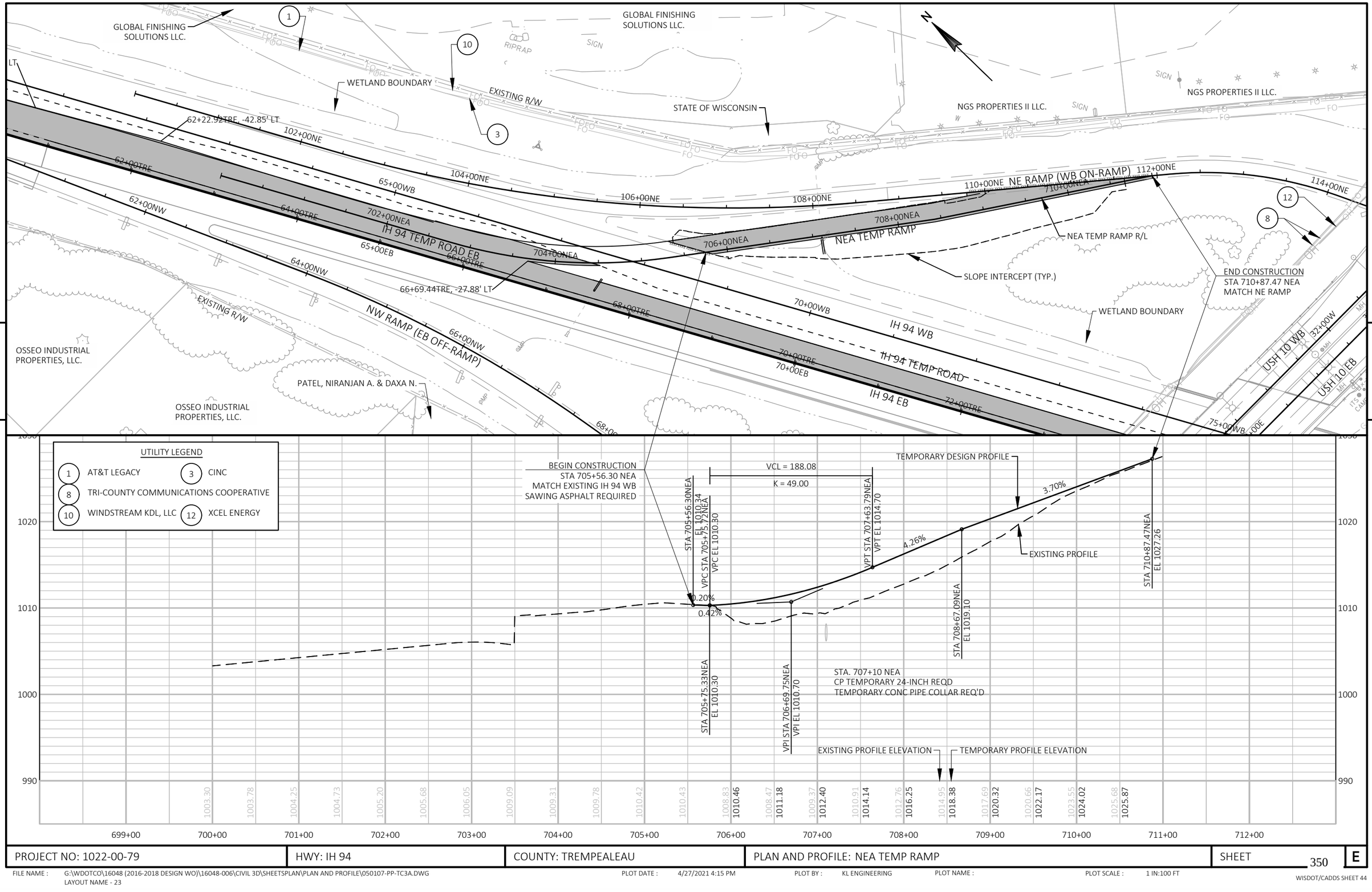


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: IH 94 TEMP ROAD EB	SHEET 349	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050107-PP-TC3A.DWG
LAYOUT NAME - 22

PLOT DATE : 10/25/2021 1:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 44



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: NEA TEMP RAMP	SHEET 350	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050107-PP-TC3A.DWG
LAYOUT NAME - 23
PLOT DATE : 4/27/2021 4:15 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

UTILITY LEGEND

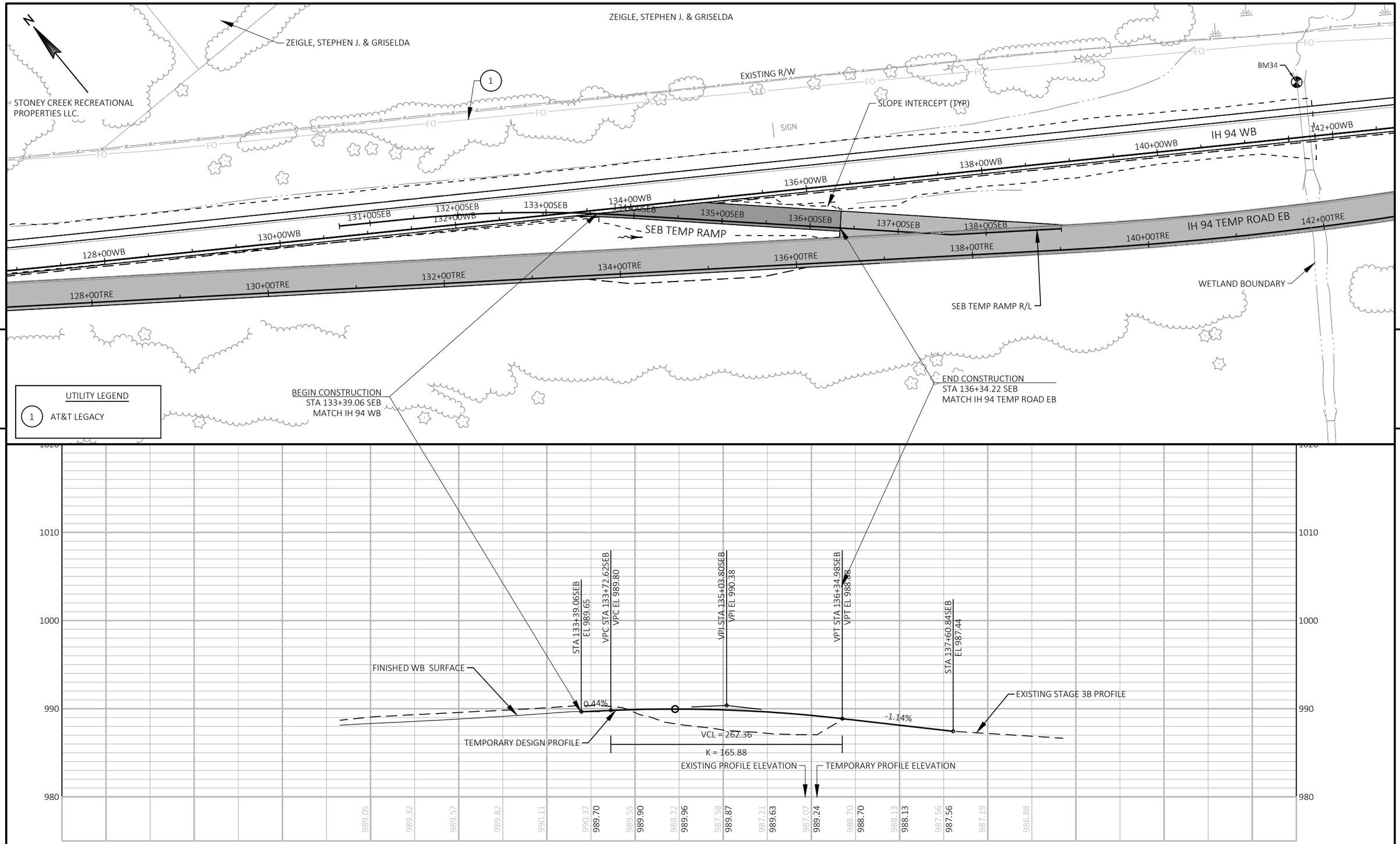
1 AT&T LEGACY
2 CENTURYLINK
4 CITY OF OSSEO (SANITARY)
5 CITY OF OSSEO (WATER)
7 EAU CLAIRE ENERGY COOPERATIVE
11 WISCONSIN DEPARTMENT OF TRANSPORTATION
12 XCEL ENERGY

BIG STEER
BIG STEER
GANESHA CORPORATION
EXISTING R/W
SE RAMP (WB OFF-RAMP)
SEA TEMP RAMP
SEA TEMP RAMP R/L
SLOPE INTERCEPT (TYP.)
IH 94 WB
IH 94 EB
IH 94 TEMP ROAD EB
SW RAMP (EB ON-RAMP)
TEMP INLET INSTALLED IN 3A
87MS STA 87+60TRE, 43.4' LT TEMP INLET MED. 1 GRATE
87MH STA 87+59TRE, 29.0' LT MH SPECIAL 4 FT DIA TEMPORARY
87RE STA 87+49TRE, 24.7' LT RECONSTRUCT MEDIAN INLET SPECIAL
BEGIN CONSTRUCTION STA 99+00.41 SEA MATCH SE RAMP
END CONSTRUCTION STA 104+16.72SEA MATCH IH 94 TEMP ROAD EB
JOHNSON, WILLIAM K.
TANKOVICH, MICHAEL C. & JANE M.
STREHLAU, DANIEL J. JR & RENEE M.
NELSON, REVA
BANHUB FAMILY TRUST
DAHL, WILLIS

STA 99+00.41SEA EL 1028.49
STA 100+32.40SEA EL 1022.97
VPC STA 101+57.64SEA VPC EL 1016.99
STA 101+83 SEA TEMPORARY CULVERT PIPE 18-INCH REQ'D SKEW 56° LHF
VPI STA 102+85.64SEA VPI EL 1010.87
VCL = 256.00
K = 65.77
VPT STA 104+13.64SEA VPT EL 1009.74
STA 104+16.52SEA EL 1009.72
STA 105+18.74SEA EL 1008.94
STA 106+75.70SEA EL 1007.42
STA 107+72.08SEA EL 1006.41
STA 109+00.00SEA EL 1005.29
STA 110+13.51SEA EL 1004.14
TEMPORARY DESIGN PROFILE
EXISTING PROFILE
EXISTING PROFILE ELEVATION
TEMPORARY PROFILE ELEVATION
-4.18% -4.78% -0.89% -0.75% -0.97% -1.04% -0.87% -1.02%

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: SEA TEMP RAMP	SHEET 351 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050108-PP-TC3AP1-SEB.DWG
LAYOUT NAME - SEA RAMP
PLOT DATE : 10/25/2021 11:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PLAN AND PROFILE: SEB TEMPORARY RAMP	SHEET 352	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\PLAN AND PROFILE\050108-PP-TC3AP1-SEB.DWG
LAYOUT NAME - SEB RAMP

PLOT DATE : 10/31/2021 9:21 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

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
08A05-19D	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
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
08D13-01	SLOTTED CORRUGATED METAL PIPE SURFACE DRAINS
08D16-11	CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
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
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
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
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
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
09H01-01	BASE ITS CONTROLLER CABINET
09H03-01	2 CIRCUIT METER BREAKER PEDESTAL
09H05-01	CABINET BREAKER DISCONNECT BOX INSTALLATION
09H11-01	IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS
11A01-06	MAINTENANCE CROSSOVER FOR FREEWAYS
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-12A	RURAL DOWELED CONCRETE PAVEMENT
13C11-12B	RURAL 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

6

Standard Detail Drawing List

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
14B26-04A	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-04B	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-04C	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-04D	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-04E	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-04F	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-04G	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-04H	STEEL THRIE BEAM BULLNOSE TERMINAL
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
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
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)
14B47-02A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A03-02A	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
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE 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
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING 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
15C19-06C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C20-02	YIELD MARKING

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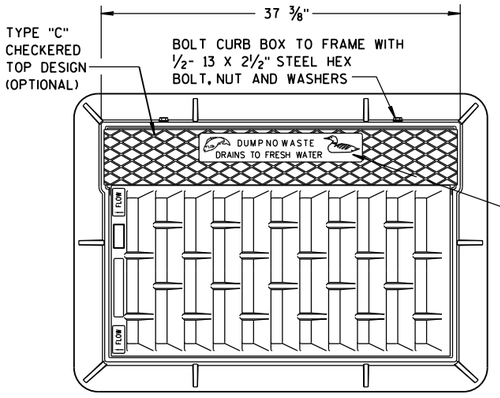
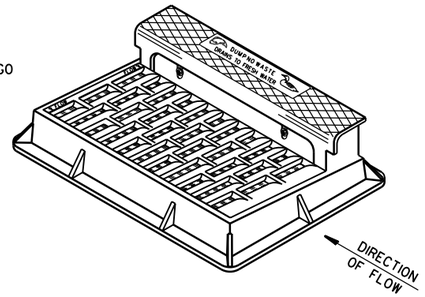
Standard Detail Drawing List

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
15C34-03	STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKER, TYPE 2
15D06-04	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D07-04	TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER
15D08-07	TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER
15D09-05	TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT
15D10-04	TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT WITH BARRIER
15D11-07	TRAFFIC CONTROL, SINGLE LANE CROSSOVER
15D12-09A	TRAFFIC CONTROL, LANE CLOSURE
15D12-09B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D12-09D	TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM
15D13-02	TEMPORARY EMERGENCY PULLOUTS
15D15-05A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-05B	TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-05C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-05D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-05E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
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
15D31-03	TRAFFIC CONTROL, TEMPORARY BYPASS ROADWAY
15D35-03A	RAMP GATE HARD WIRED
15D35-03B	RAMP GATE HARD WIRED
15D35-03C	RAMP GATE HARD WIRED
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-02B	TRAFFIC CONTROL, FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
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

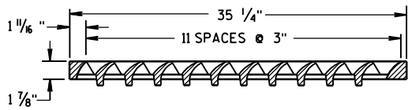
6

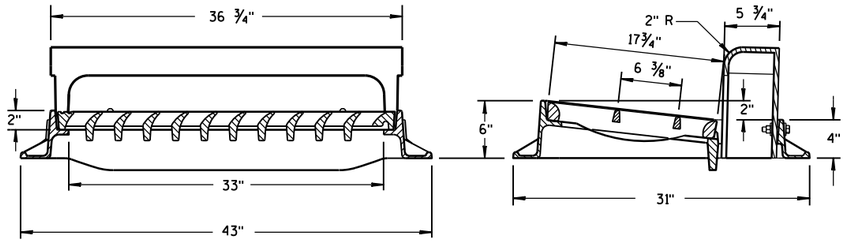


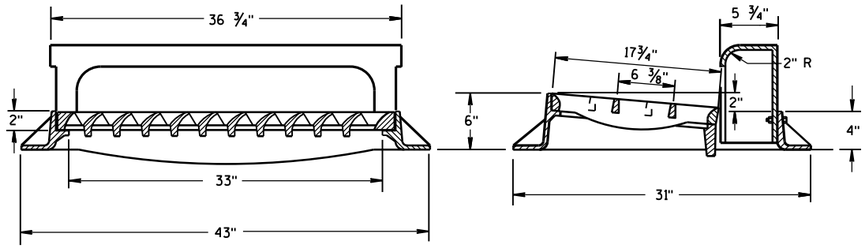
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

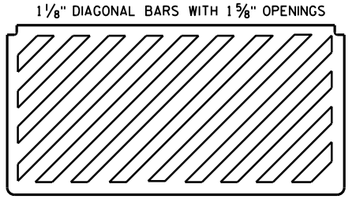






TYPE "H"

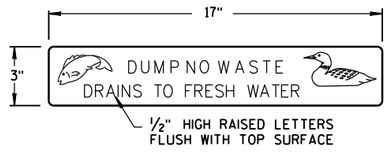
NOTE: EITHER CASTING IS ACCEPTABLE



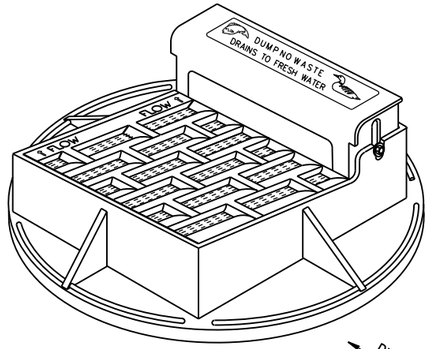
SPECIAL GRATE FOR TYPE "H" COVER

(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"

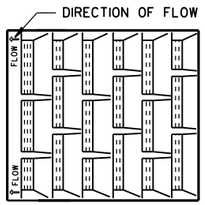
NOTE:
GRATE IS REVERSIBLE.

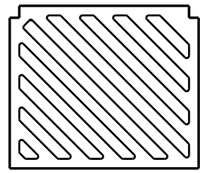
GENERAL NOTES

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.

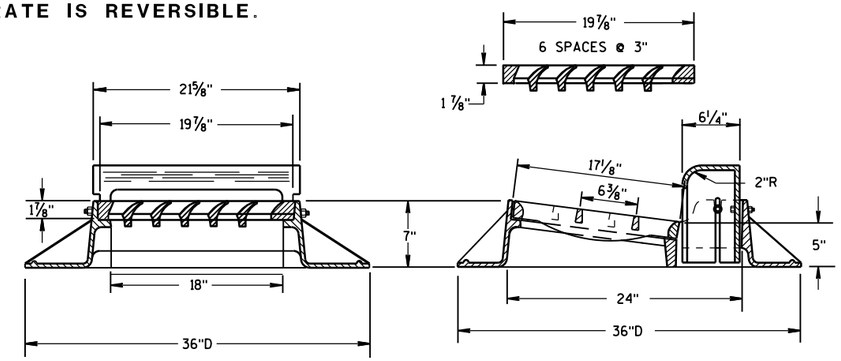




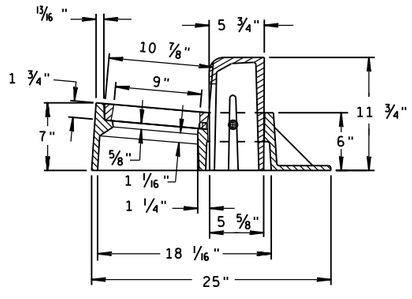
SPECIAL GRATE FOR TYPE "A" COVER

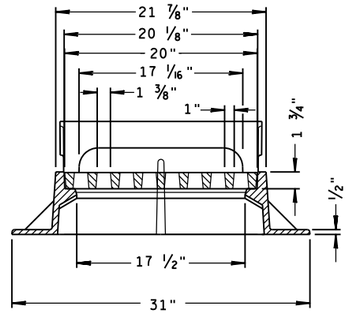
(MEASURES 19 3/4" X 17" X 1 7/8")

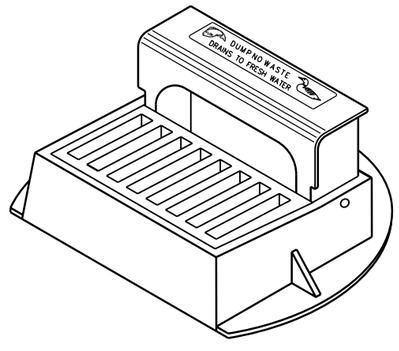
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

INLET COVERS
TYPE A, H, A-S, H-S & Z

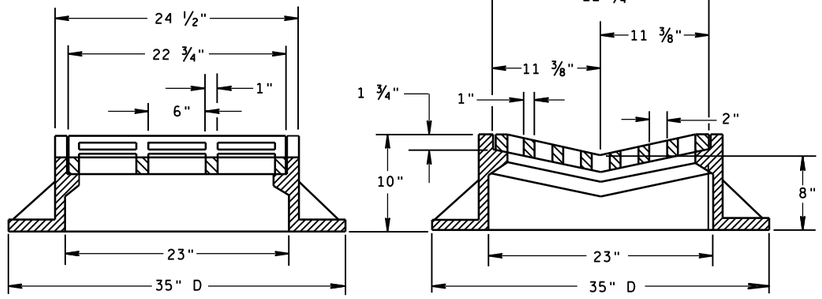
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

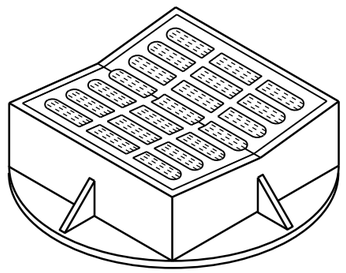
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER

FHWA

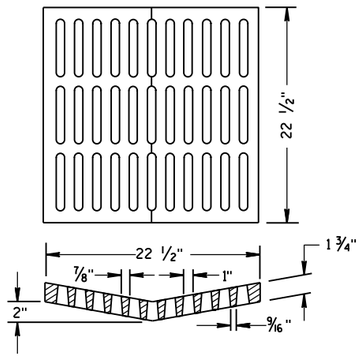
6

S.D.D. 8 A 5-19a



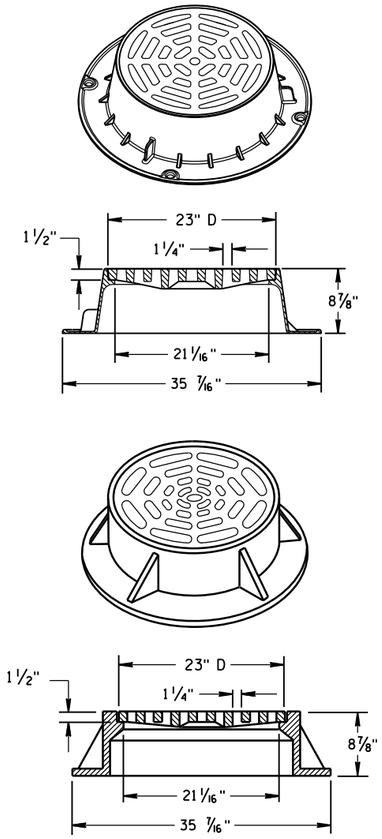


TYPE "B"



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"

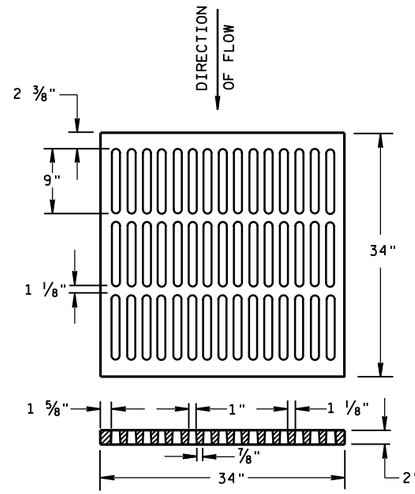
NOTE: EITHER CASTING IS ACCEPTABLE

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.

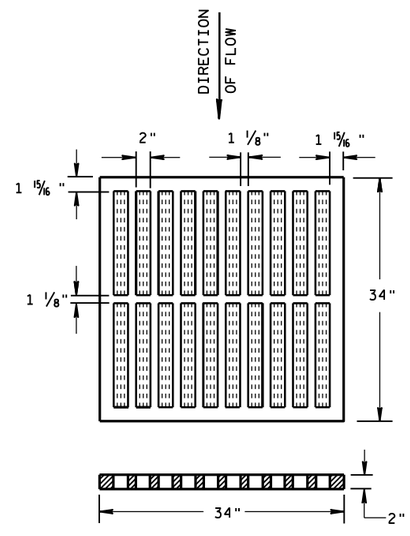
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



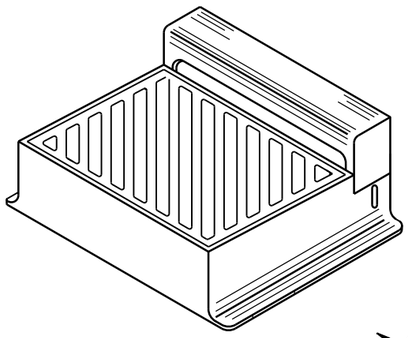
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

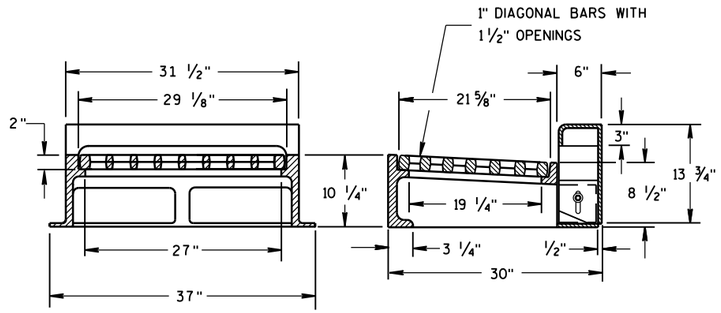


TYPE "MS"

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

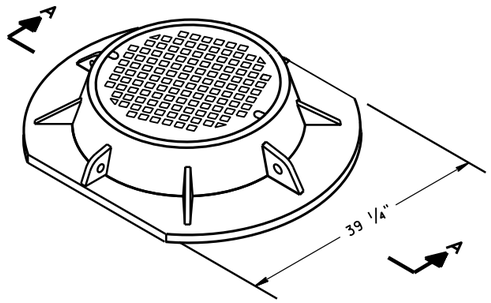
APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

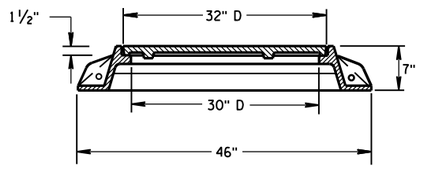
6

S.D.D. 8 A 5-19b

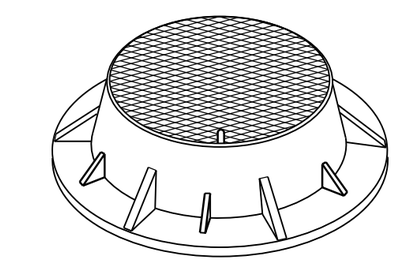
6

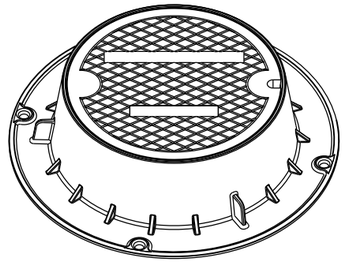
S.D.D. 8 A 5-19b

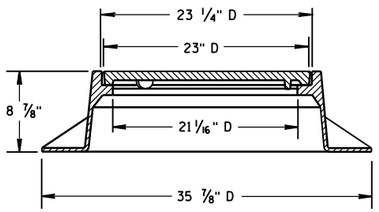


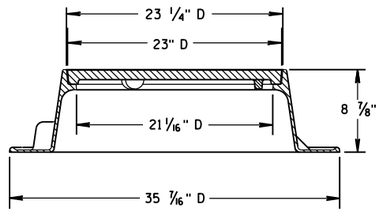


SECTION A-A
TYPE "K"









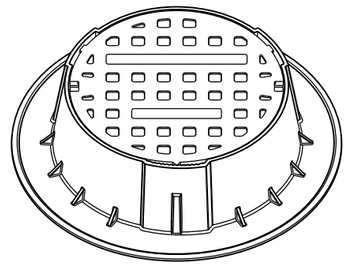
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

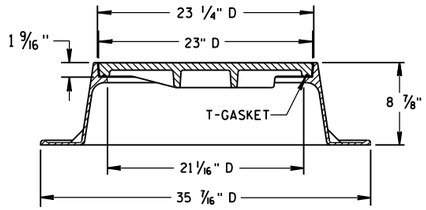
GENERAL NOTES

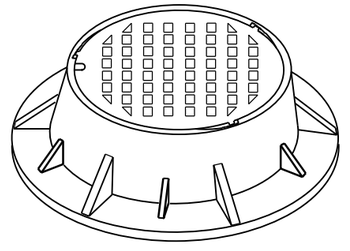
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

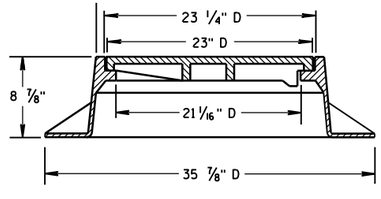
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

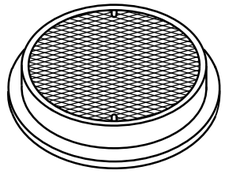


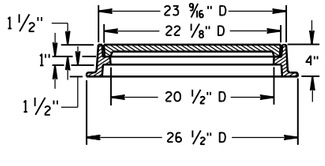




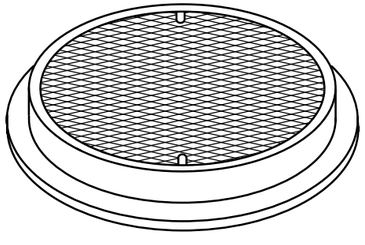


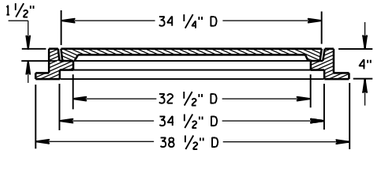
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



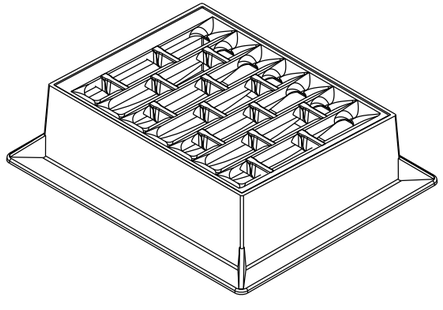


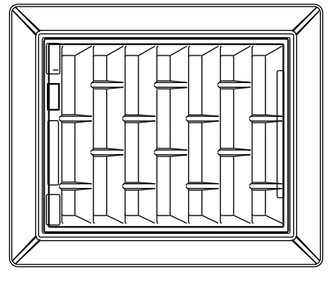
TYPE "L"

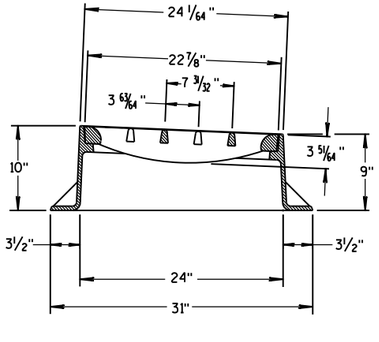


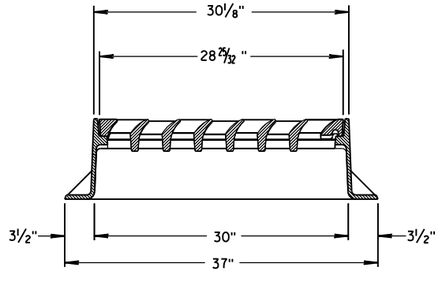


TYPE "M"









INLET COVER TYPE "BW"

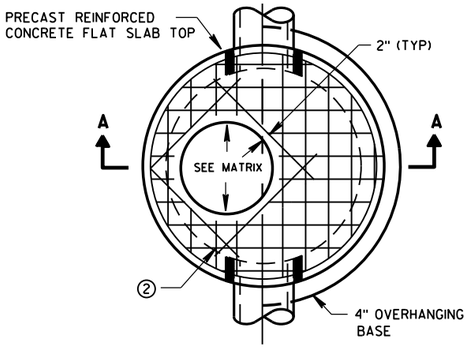
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

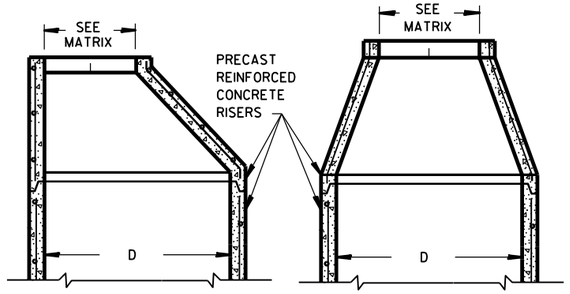
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-19d

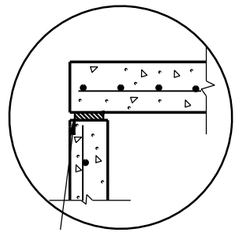


PLAN VIEW CIRCULAR OPENING

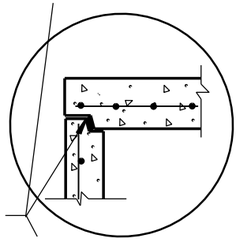


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

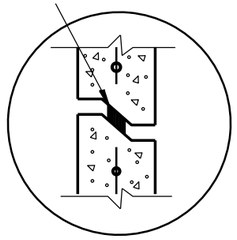


TOP WITH PLAIN END JOINT



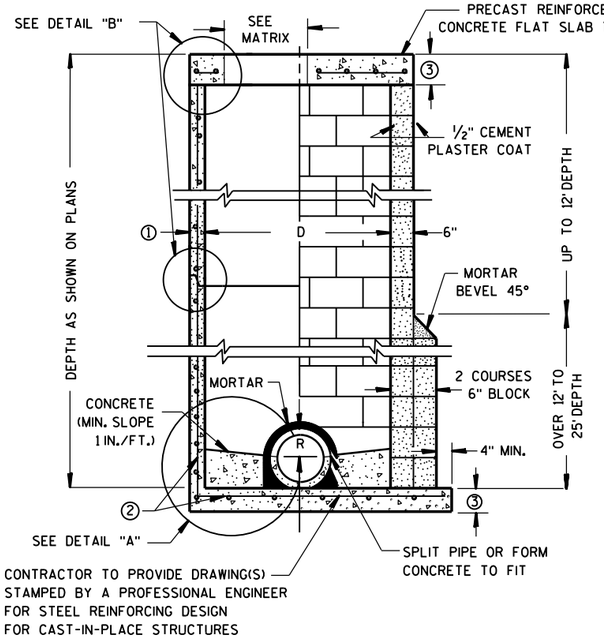
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



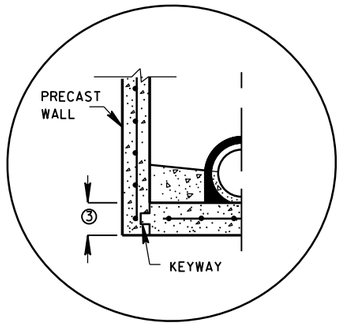
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

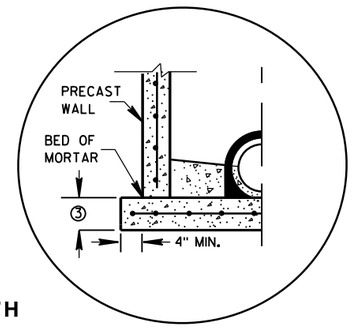


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

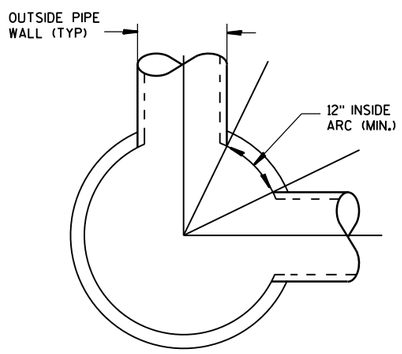


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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

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ROADWAY STANDARDS DEVELOPMENT
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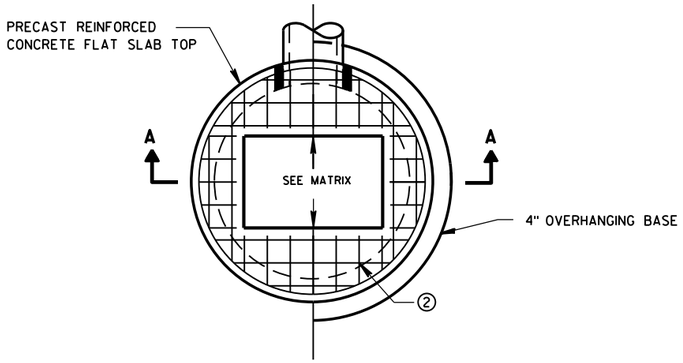
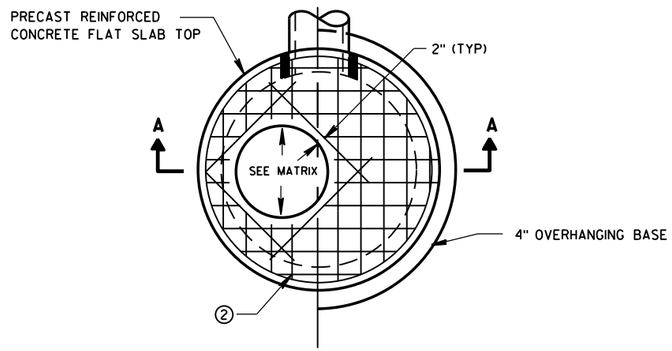
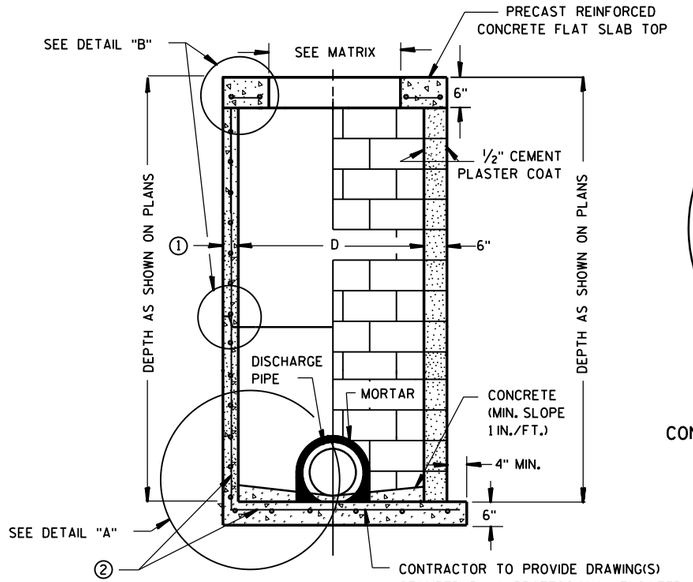


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

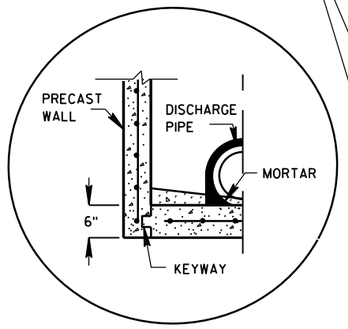


SECTION A-A

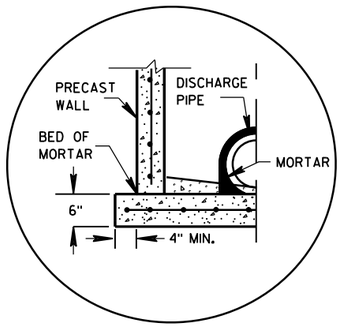
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

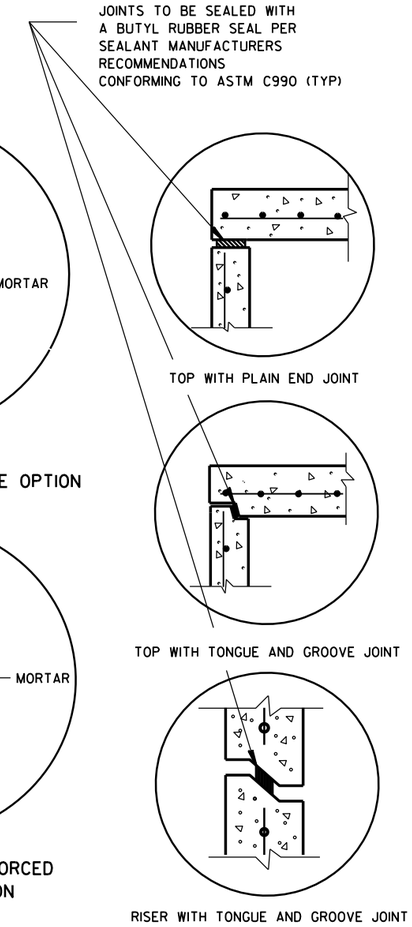


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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 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.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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.

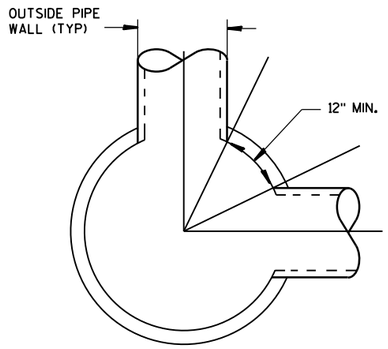
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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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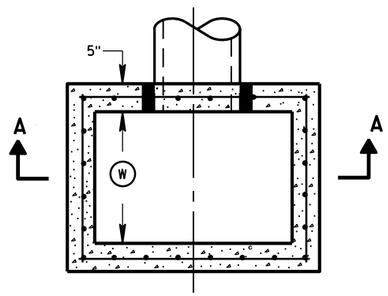
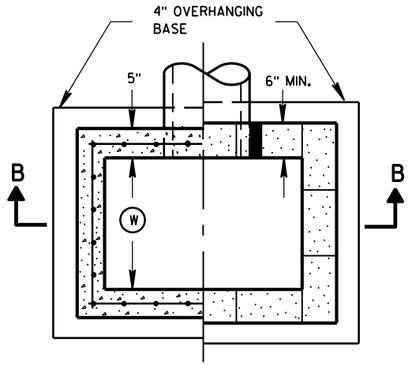
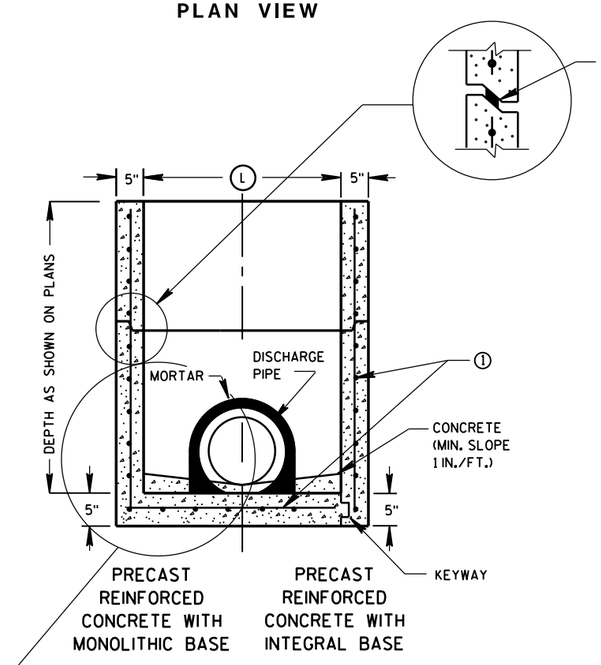
INLETS 3-FT AND 4-FT DIAMETER



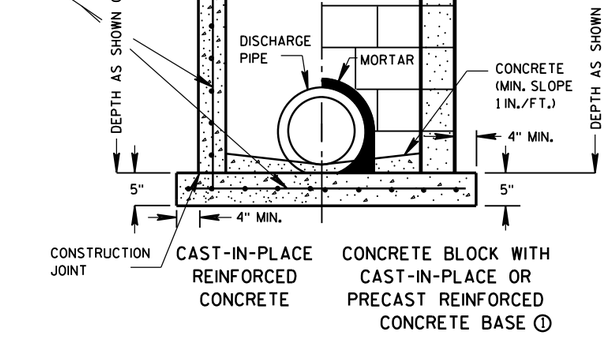
PLAN VIEW



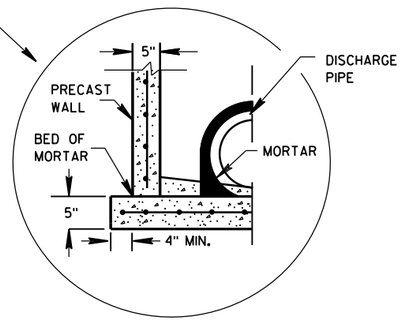
PLAN VIEW



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.

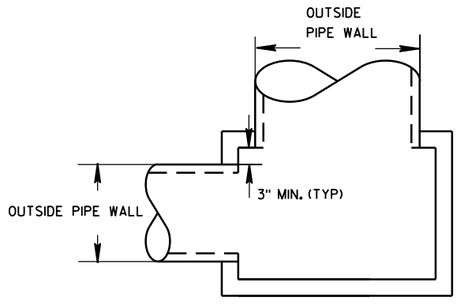
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (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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/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

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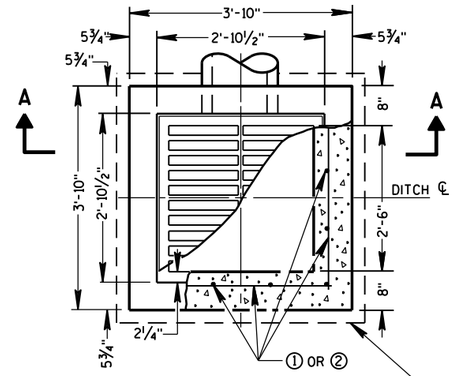
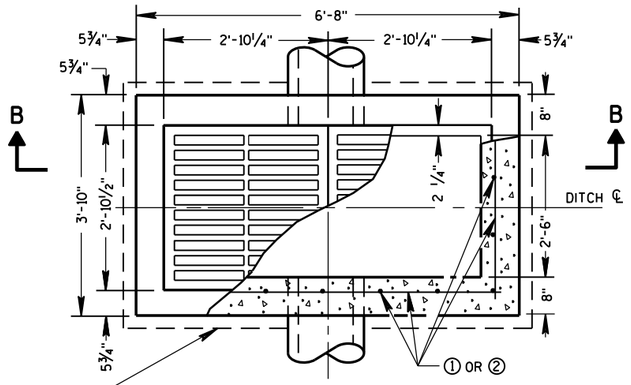
S.D.D. 8 C 7-2

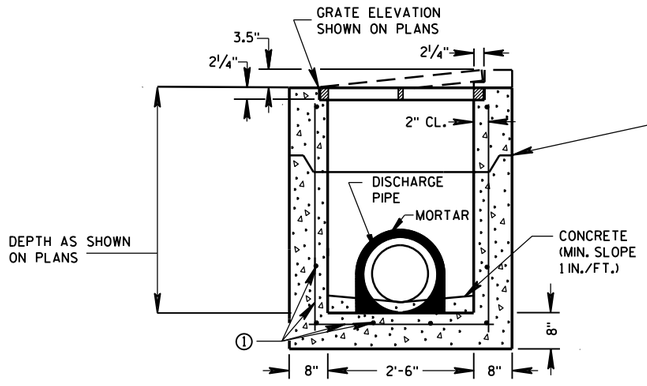


PLAN VIEW

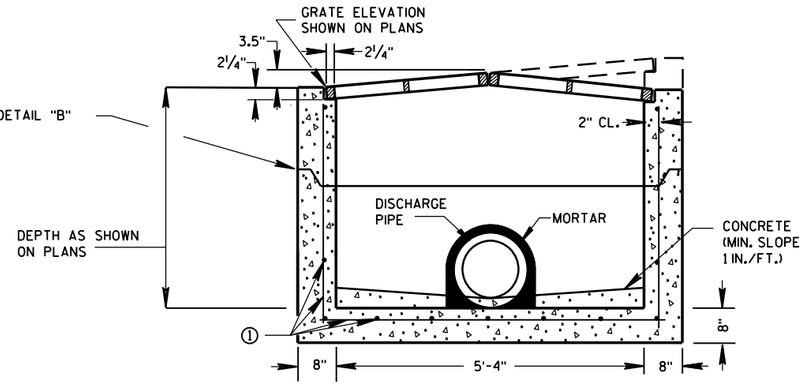


PLAN VIEW

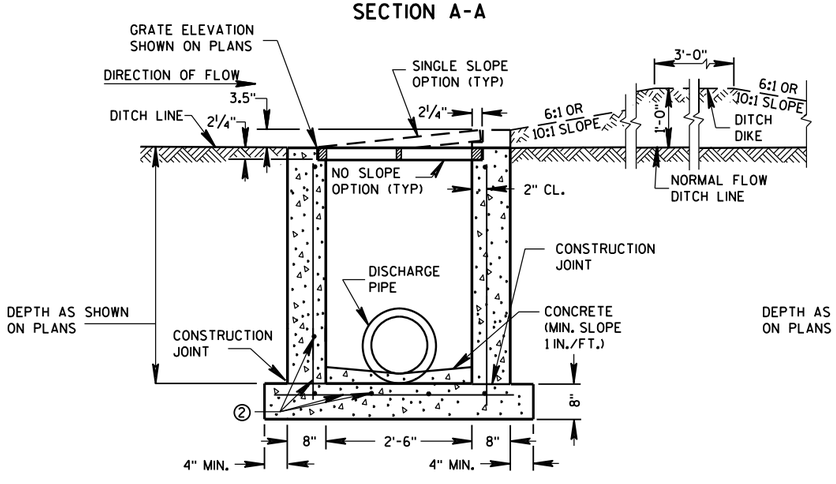
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

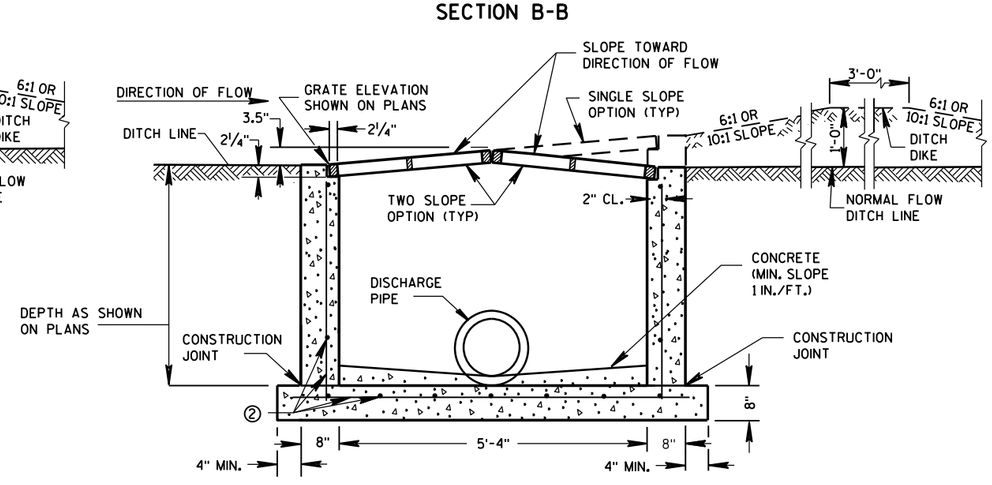


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

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.

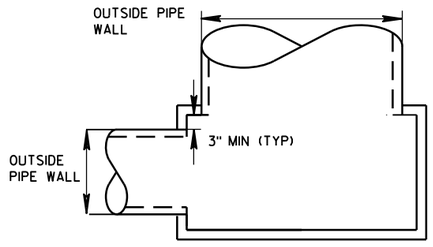
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

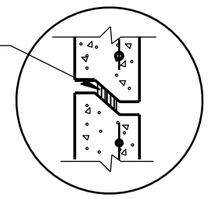
PIPE MATRIX

	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)



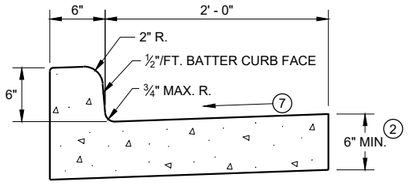
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

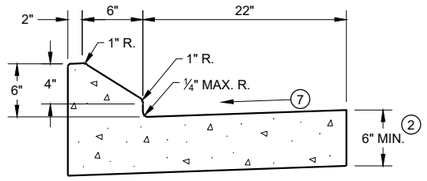
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

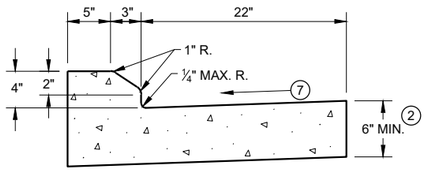
6
S.D.D. 8 C 8-2



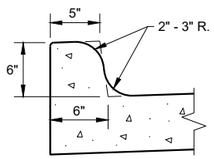
TYPES A[1] & D



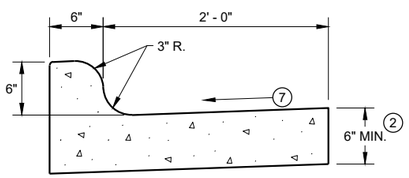
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

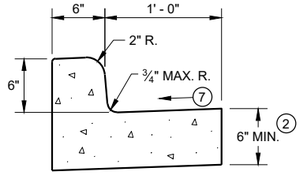


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



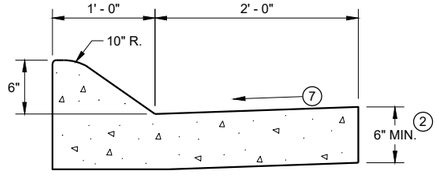
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"

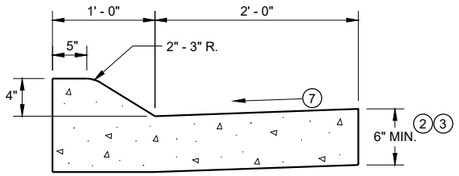


TYPES A[1] & D

CONCRETE CURB AND GUTTER 18"

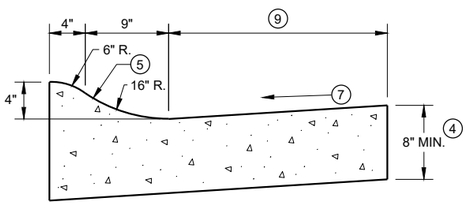


6" SLOPED CURB TYPES A[1] & D



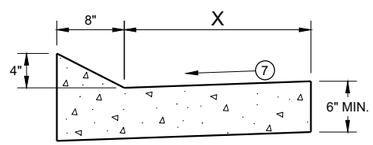
4" SLOPED CURB TYPES A[1] & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R[1] & T

TBT & TBTT	X
30"	22"
36"	28"

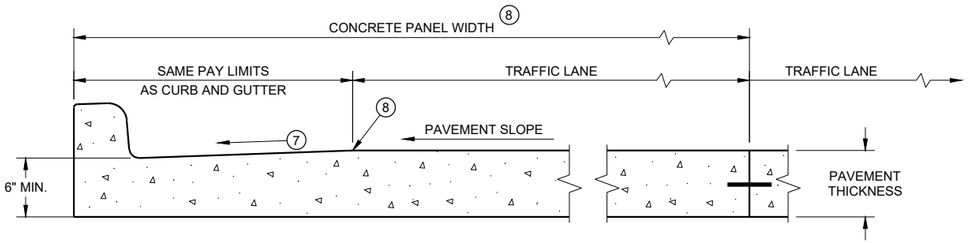


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

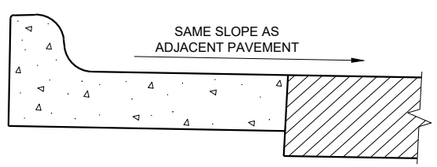
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

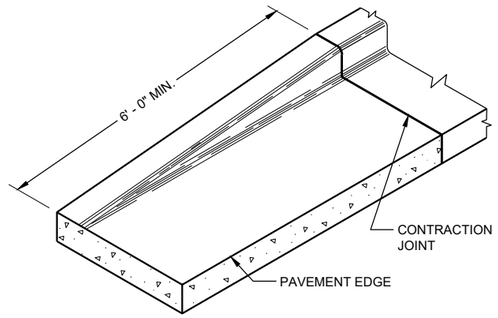
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

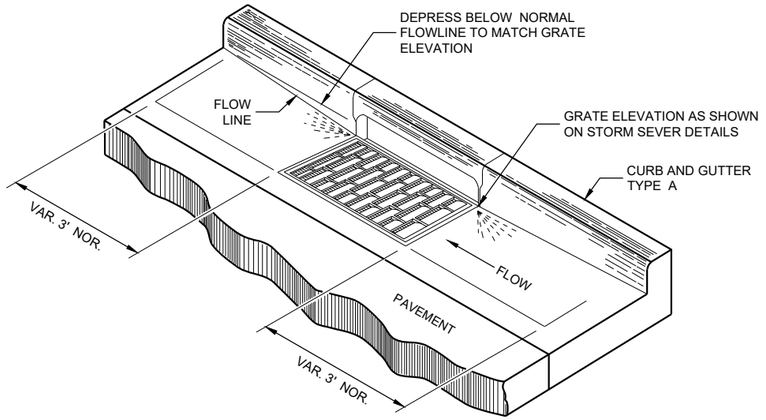
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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



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.

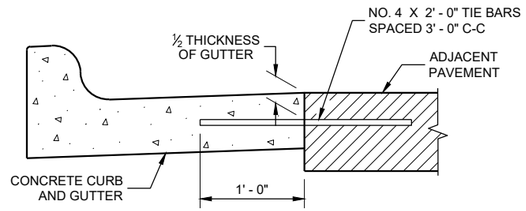
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

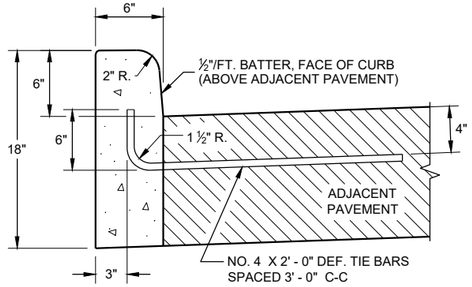
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

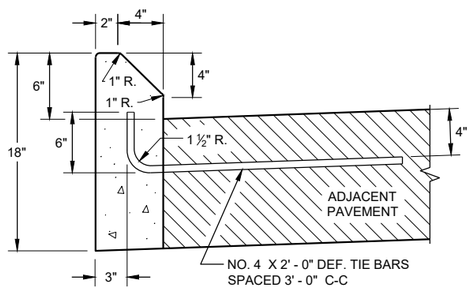
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

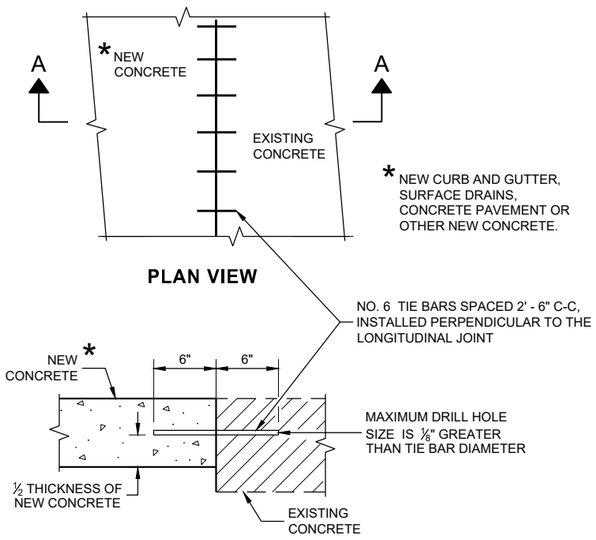


TYPES A (1) & D



TYPES G (1) & J

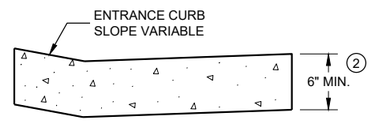
CONCRETE CURB



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

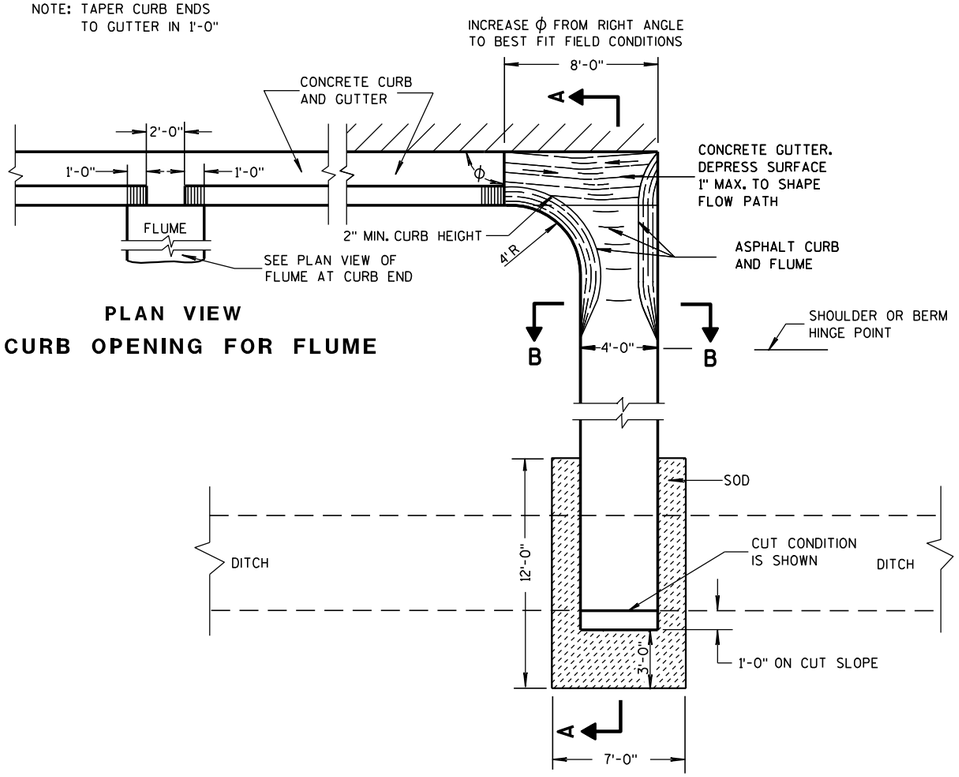
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

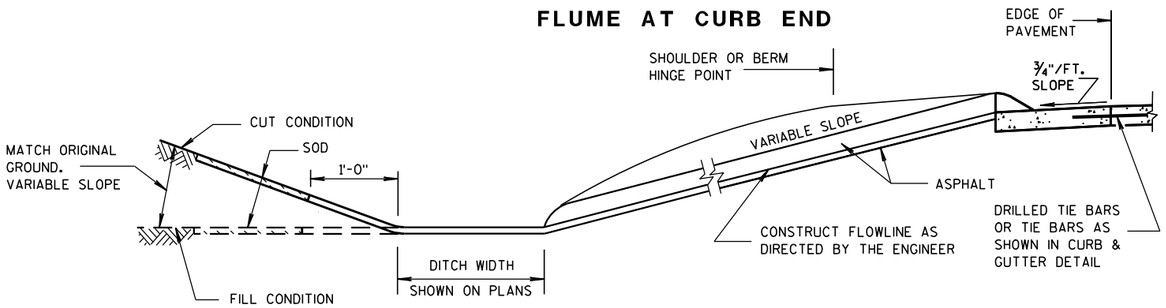
SDD08D01 - 22b

ASPHALTIC FLUME

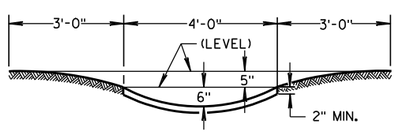


PLAN VIEW
CURB OPENING FOR FLUME

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.

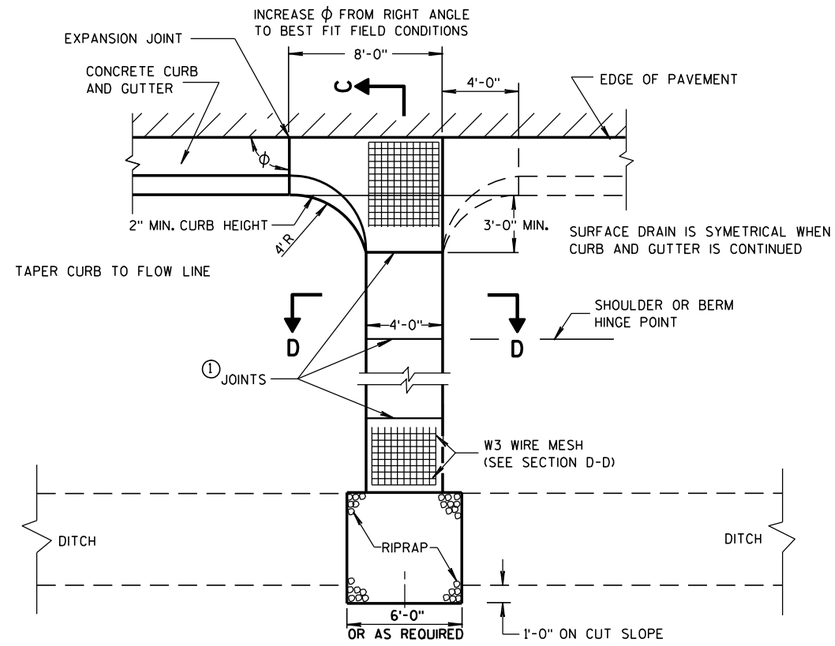
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

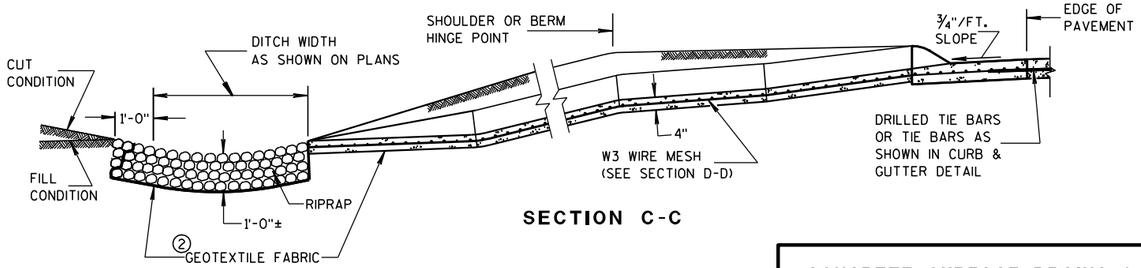
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

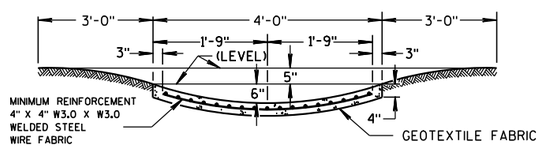
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



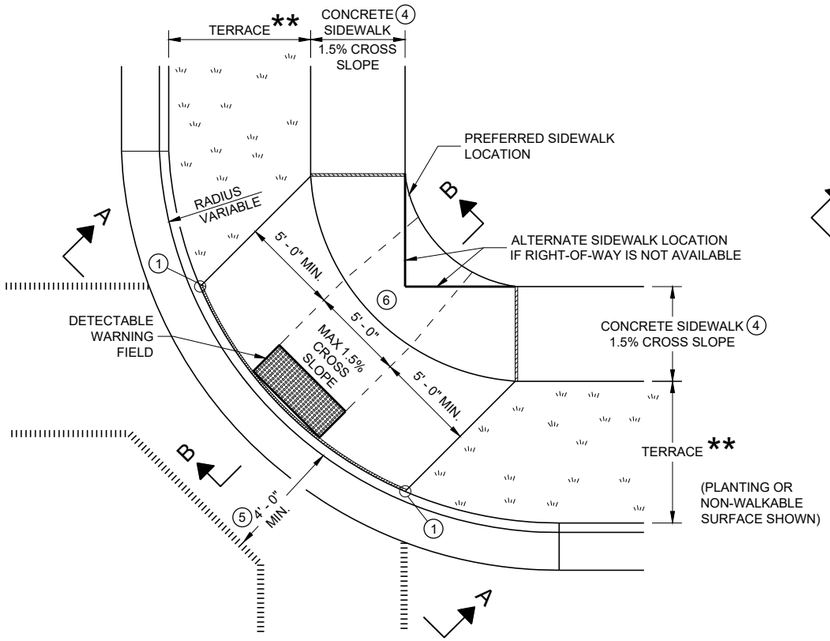
SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
365
MENT

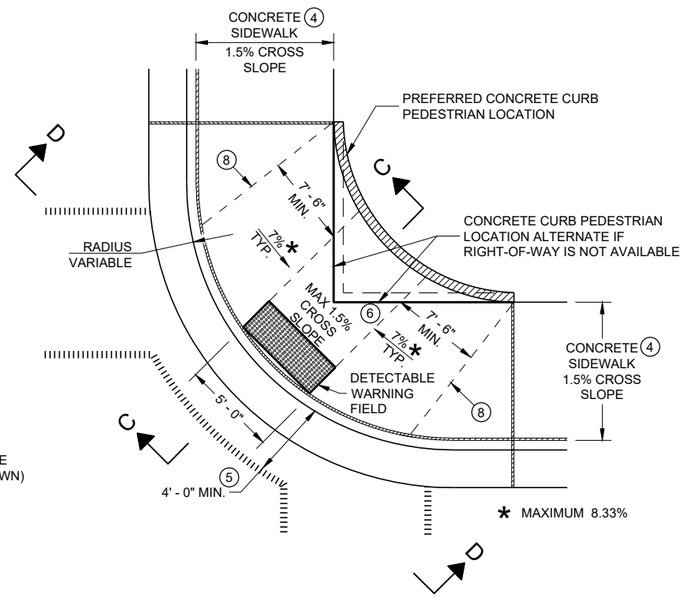
FHWA



PLAN VIEW

CURB RAMP TYPE 1

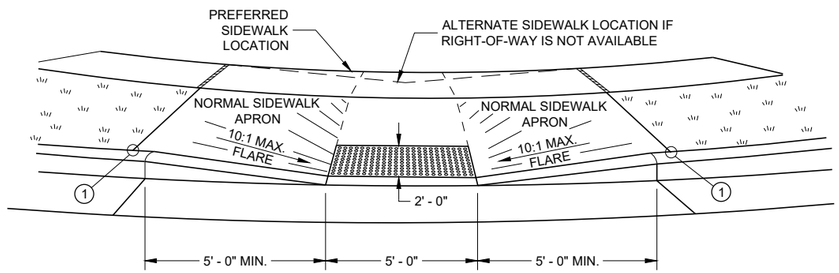
(CENTER OF CORNER RADIUS)



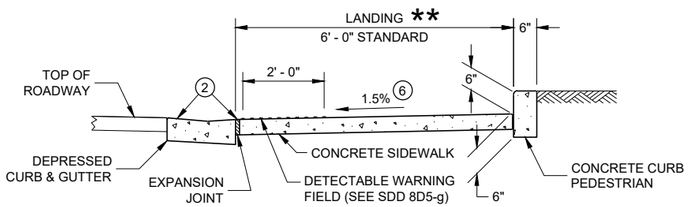
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

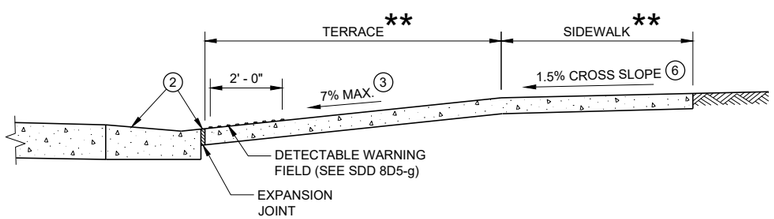


VIEW A - A FOR TYPE 1

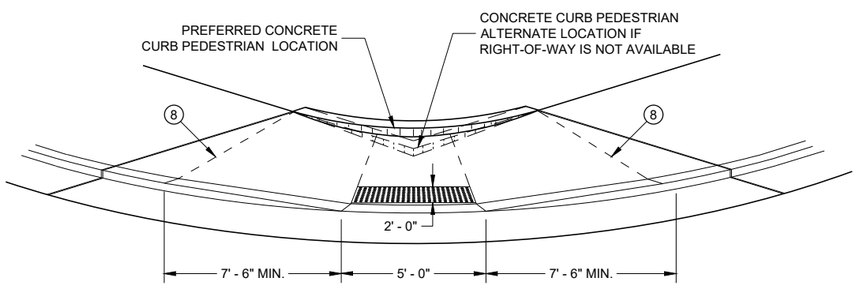


SECTION C - C FOR TYPE 1 - A

** 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

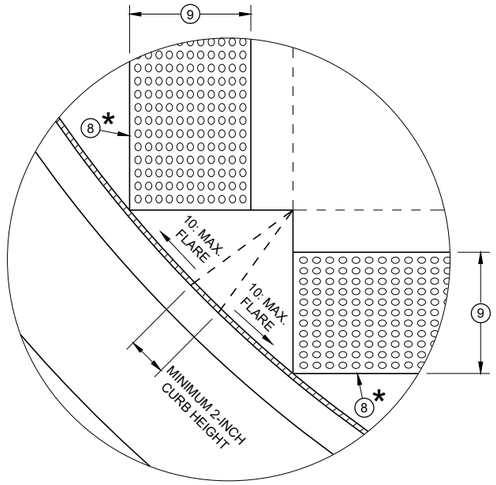
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

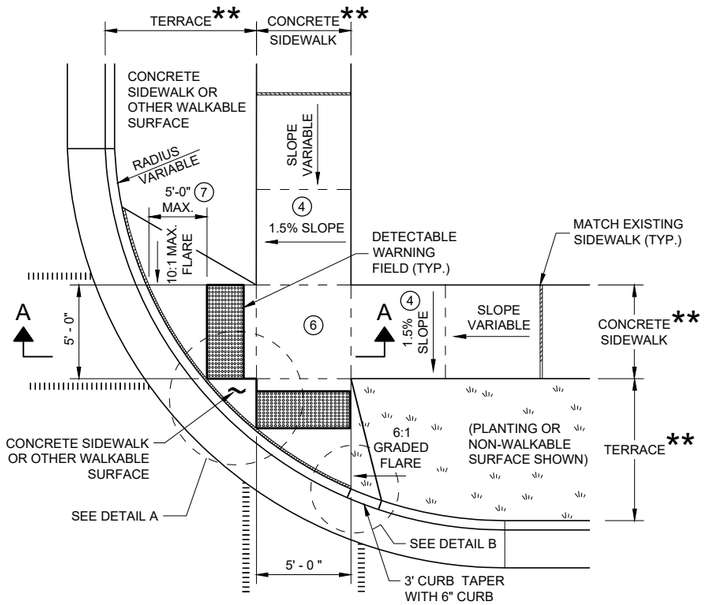
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a
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.

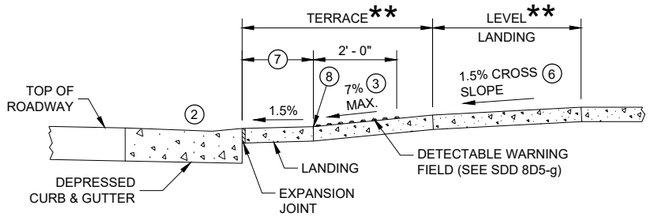
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

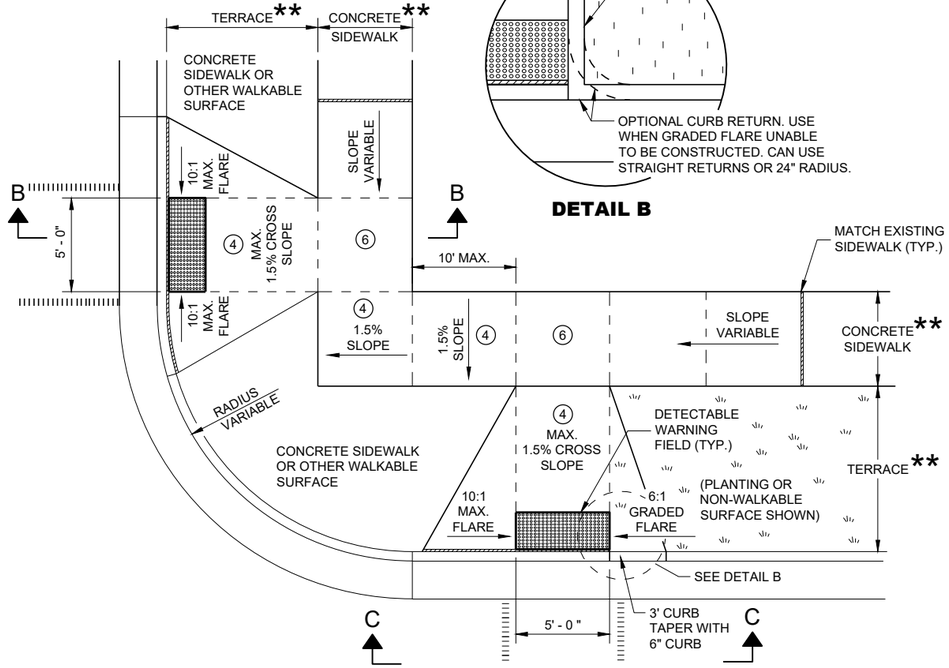
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



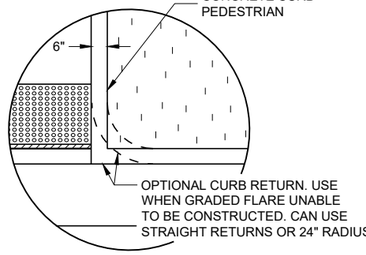
SECTION A - A FOR TYPE 2

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

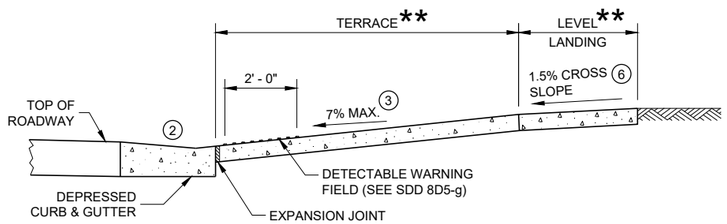
** WIDTH SHOWN ELSEWHERE IN THE PLANS



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



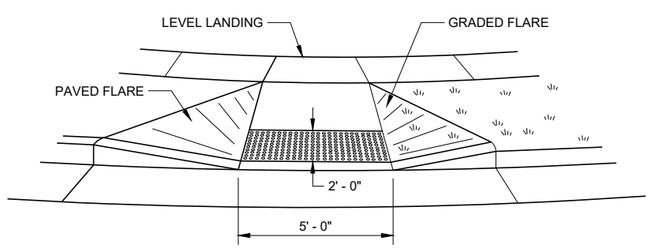
DETAIL B



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

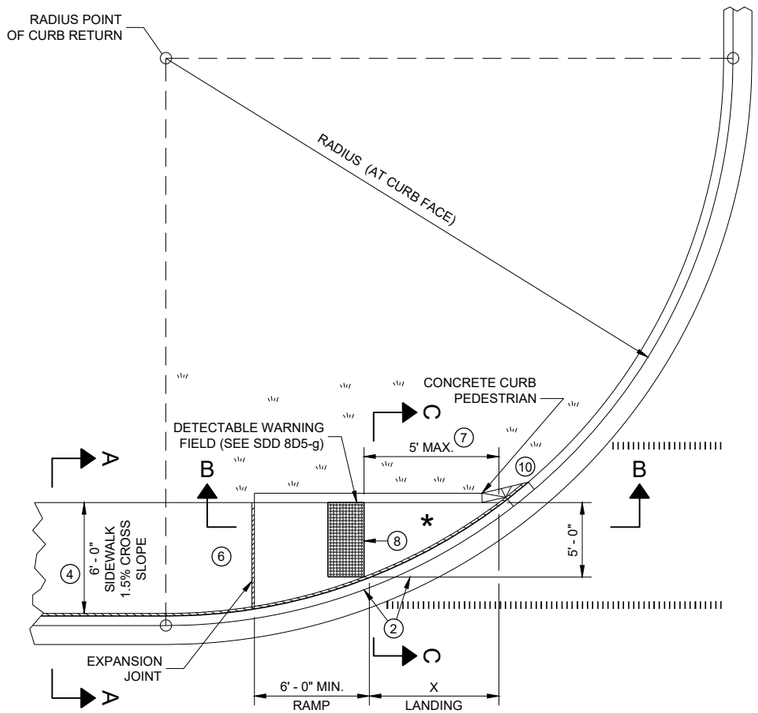
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

6

SDD 08D05 - 20b

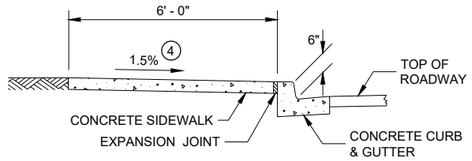


PLAN VIEW

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.

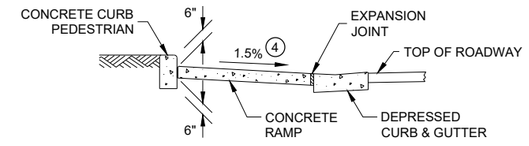
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

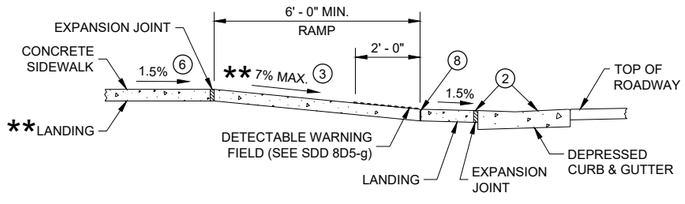
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



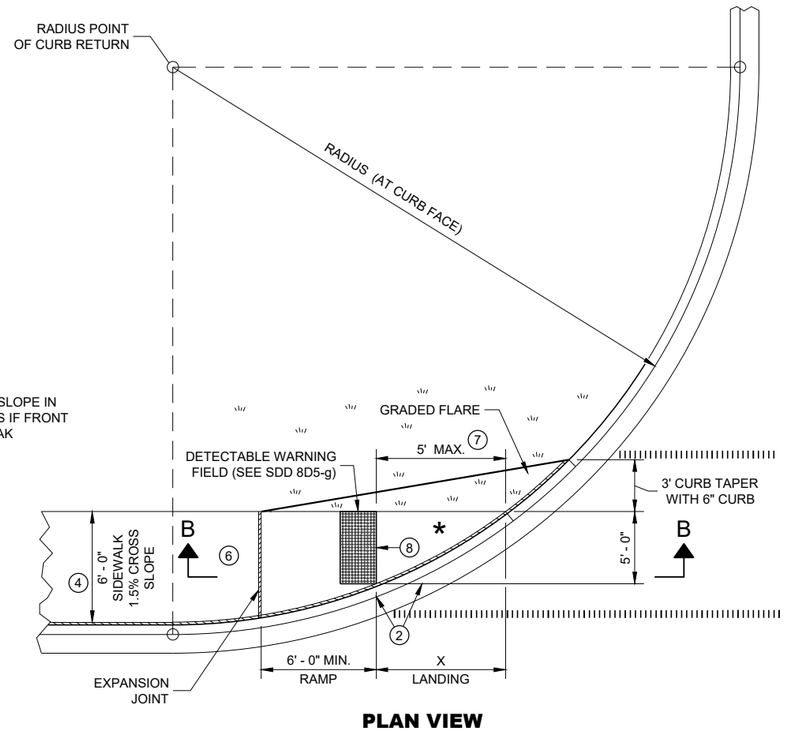
SECTION C - C FOR TYPE 4A



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

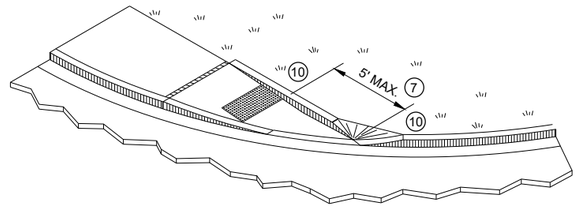
SECTION B - B FOR TYPE 4A AND TYPE 4A1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

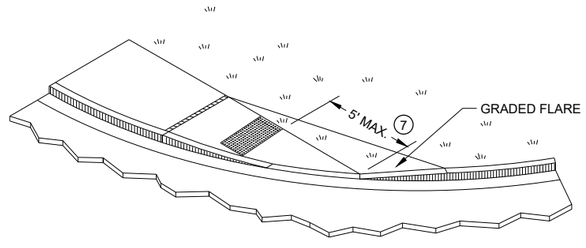


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



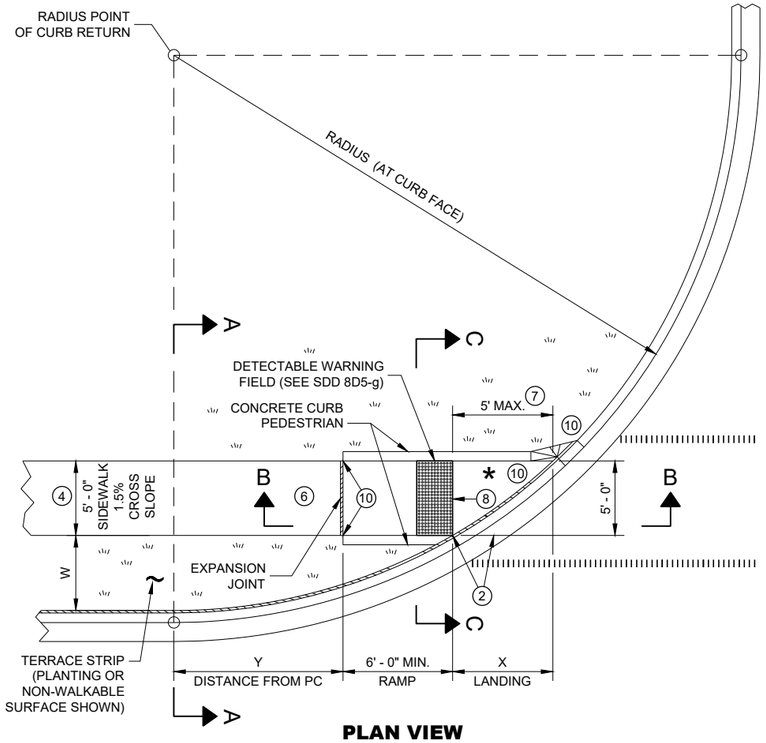
ISOMETRIC VIEW FOR TYPE 4A1

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

SECTION C - C FOR TYPE 4B

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.

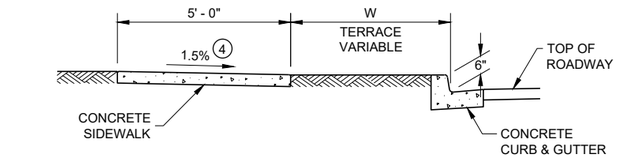
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

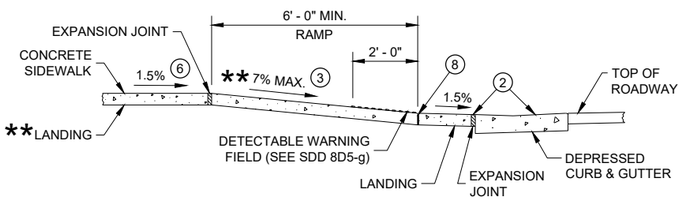
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

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



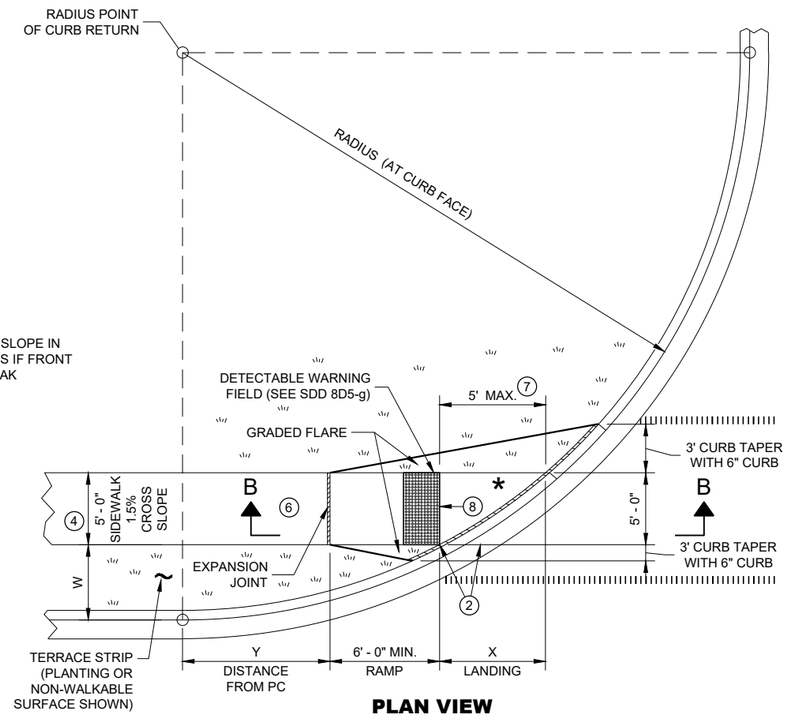
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

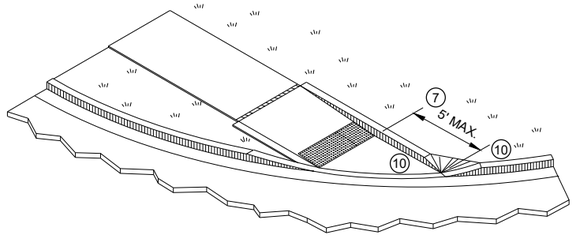
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

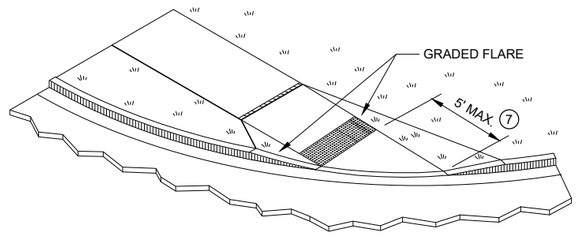


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



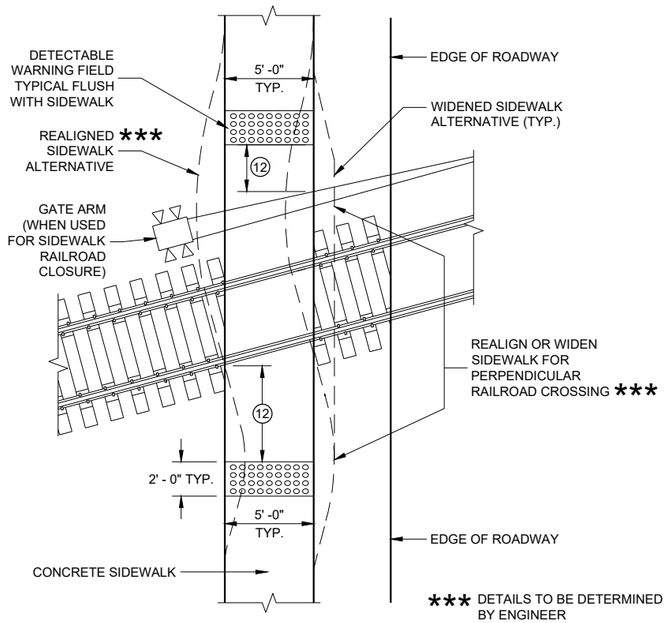
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

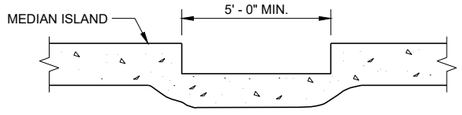
6

SDD 08D05 - 20d

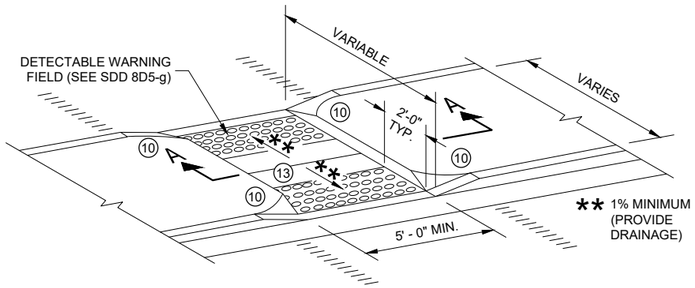


CURB RAMP TYPE 8

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.

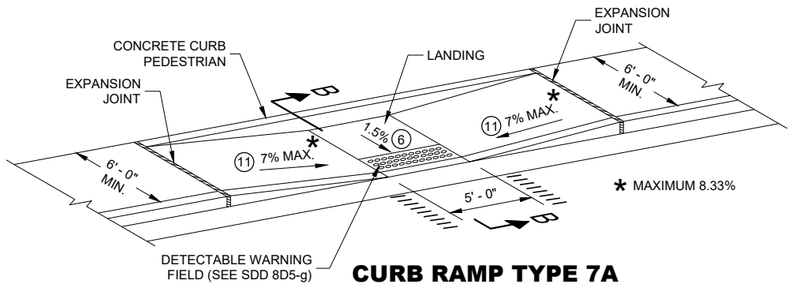
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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.

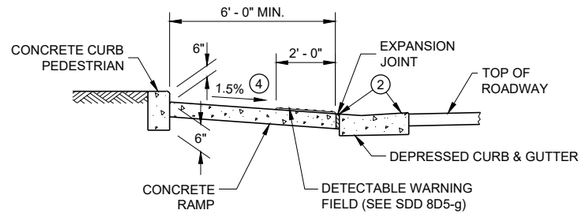
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

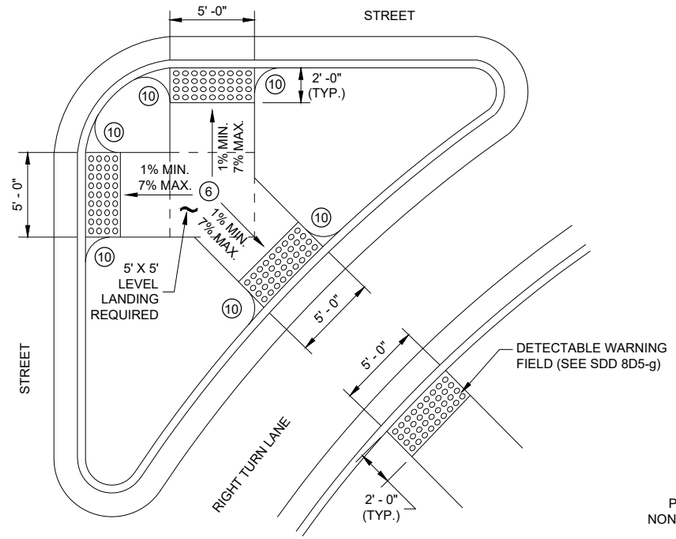


CURB RAMP TYPE 7A

MID BLOCK CROSSING



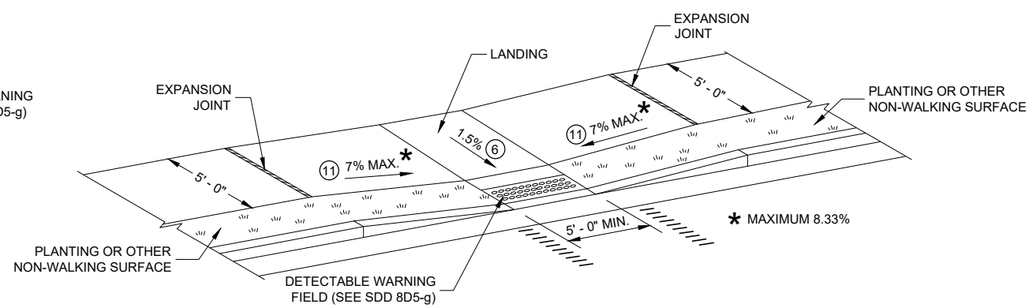
SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

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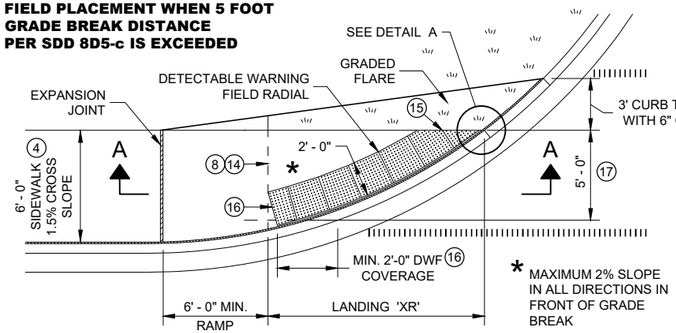
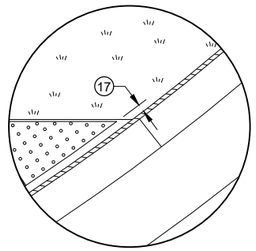
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



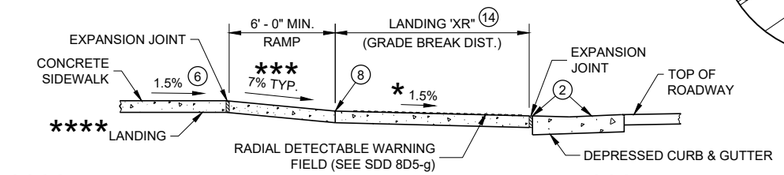
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

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.

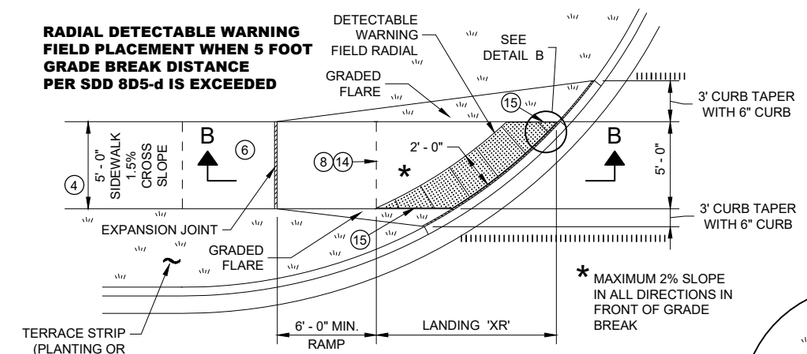
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

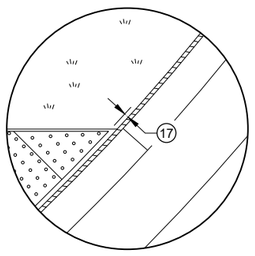
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



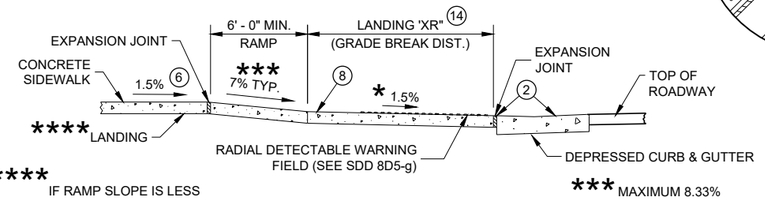
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

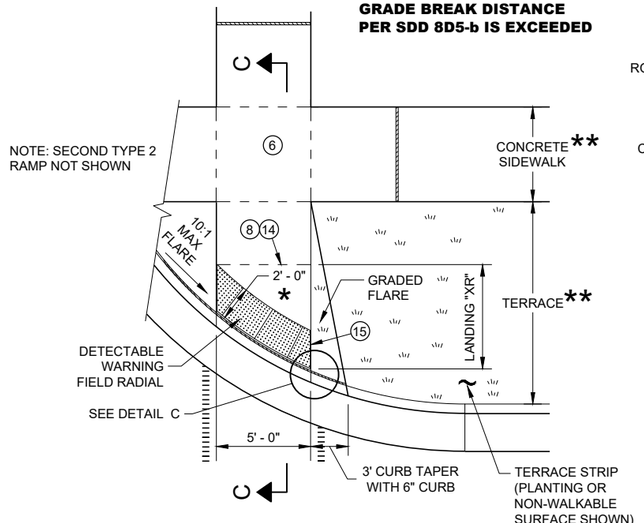


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** 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

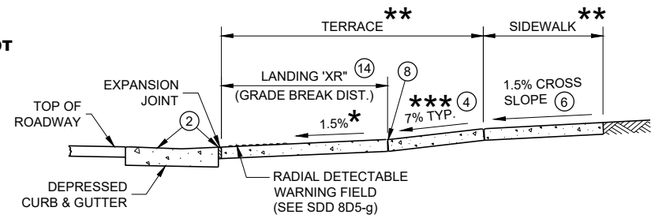


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

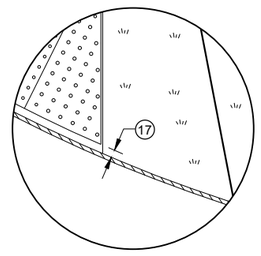


SECTION C - C FOR TYPE 2

* 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
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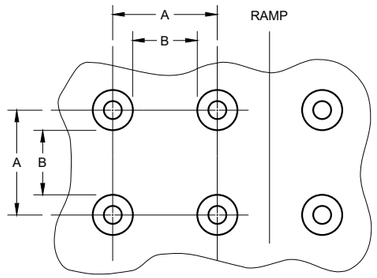
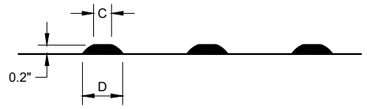
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

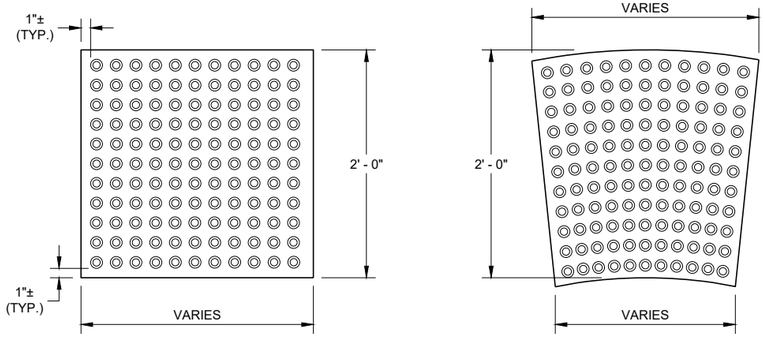


PLAN VIEW



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.

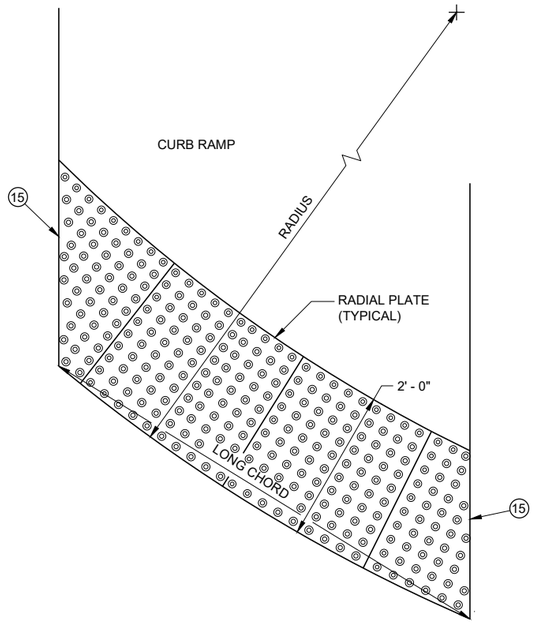
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

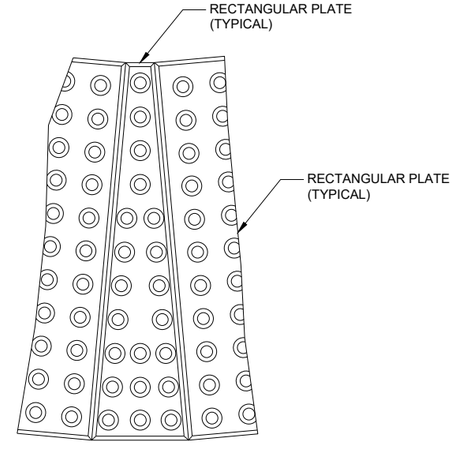
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

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SDD 08D05 - 20g

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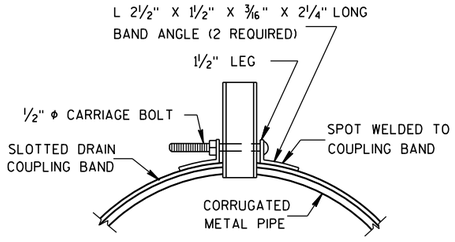
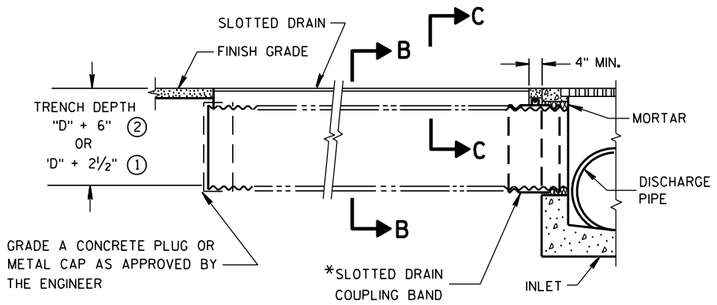
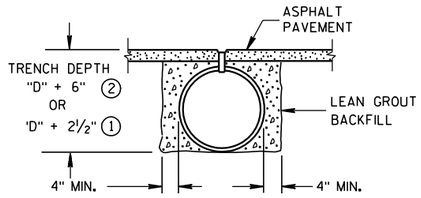
SDD 08D05 - 20g



SECTION A-A



SLOTTED DRAIN INSTALLATION TYPE "A"



SECTION B-B

GENERAL NOTES

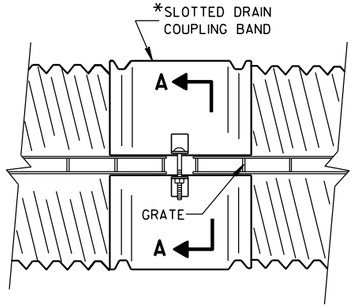
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

BACKFILL MATERIAL

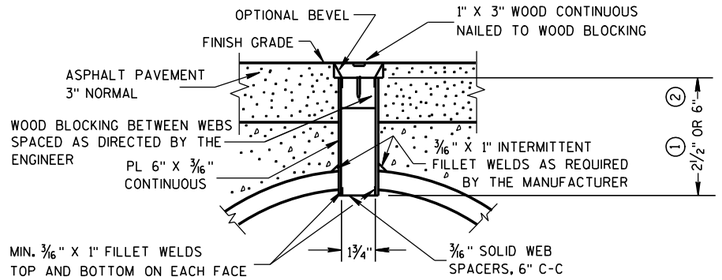
THE LEAN GROUT BACKFILL MATERIAL SHALL BE A FINE AGGREGATE, IN ACCORDANCE WITH SUBSECTION 501.3.6.3.6 OF THE STANDARD SPECIFICATIONS, MIXED WITH 150 POUNDS OF CEMENT AND APPROXIMATELY 30 GALLONS OF WATER FOR EACH 3000 POUNDS OF FINE AGGREGATE.

THE PIPE FOR THE SLOTTED DRAIN SHALL MEET AASHTO DESIGNATION M-36, AND THE GRATE ASSEMBLIES SHALL BE MADE FROM STRUCTURAL STEEL SUITABLY WELDED TO FORM THE OPEN SLOT AND HOT-DIP GALVANIZED TO MEET THE PROVISIONS OF AASHTO DESIGNATION M-111.

NORMAL PIPE SIZES ARE 12-INCH THROUGH 24-INCH DIAMETER IN 0.064 INCH THICKNESS, AND 30-INCH DIAMETER PIPE IN 0.079 INCH THICKNESS.

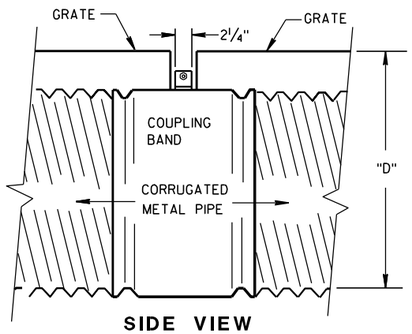


PLAN VIEW



SECTION C-C

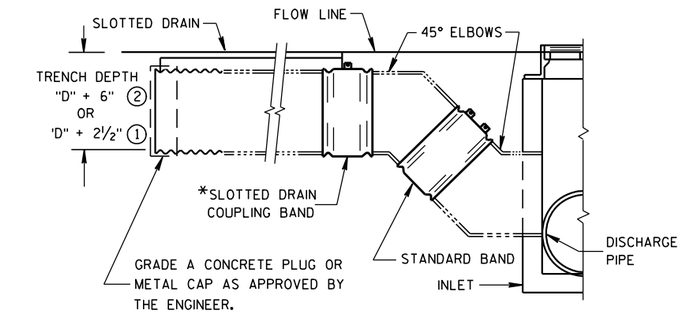
GRATE SLOT DETAIL



SIDE VIEW

*TYPICAL COUPLING BAND FOR SLOTTED DRAIN

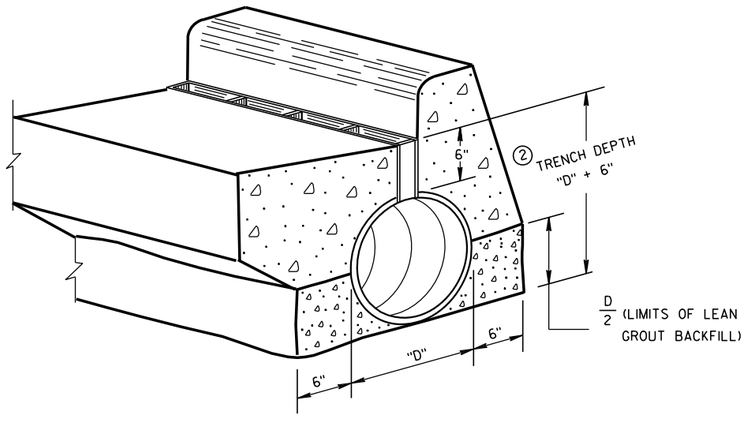
(ALTERNATES PERMITTED AS APPROVED BY THE ENGINEER)



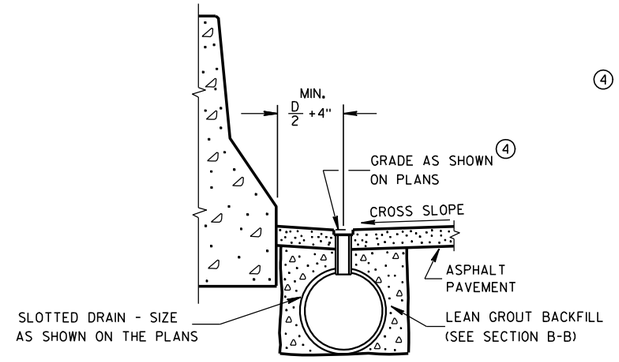
SLOTTED DRAIN INSTALLATION TYPE "B"

NOTE:

TO PREVENT "FLOATING" OF THE SLOTTED DRAIN DURING BACKFILL OPERATIONS PROVIDE ADEQUATE WEDGES, OR POUR THE LEAN GROUT ON TOP OF THE PLUGGED SLOT ALLOWING IT TO SLOUGH TO THE SIDES OF THE PIPE. THIS WILL PROVIDE ENOUGH WEIGHT ON TOP TO KEEP THE PIPE FROM FLOATING.



SLOTTED DRAIN INSTALLATION IN FLOW LINE OF CURB & GUTTER TYPE "C"



SLOTTED DRAIN INSTALLATION AT MEDIAN BARRIER TYPE "D"

① 2½" NORMAL GRATE DEPTH.

② 6" SPECIAL GRATE DEPTH, WHEN SPECIFIED ON THE PLANS.

③ FOR SCREEDING DIRECTLY OVER THE SLOTTED DRAIN WITH ASPHALT PAVER. FOR CONCRETE SURFACE USE 3" WIDE TAPE OVER THE SLOT TO KEEP MATERIAL OUT OF THE PIPE.

④ WHEN THE SURFACE IS CONCRETE PAVEMENT THE GRADE AS SHOWN ON THE PLANS WILL BE FLUSH WITH THE TOP OF THE SLOTTED DRAIN.

SLOTTED CORRUGATED METAL PIPE SURFACE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/30/79
DATE

/S/ D. L. Str---
CHIEF ROADWAY DEVELOP

ENGINEER

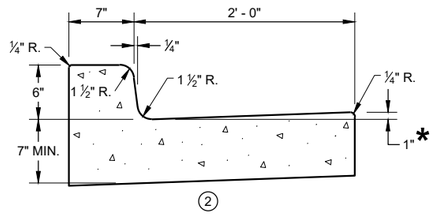
FHWA

6

S.D.D. 8 D 13-1

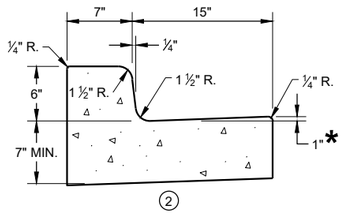
6

S.D.D. 13 D 13-1

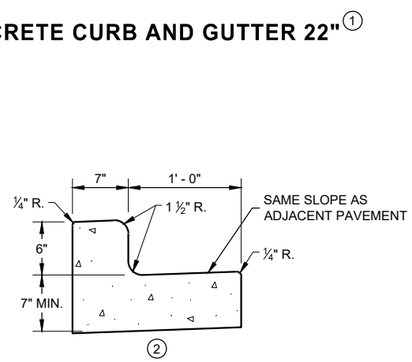


CONCRETE CURB AND GUTTER 31" ①

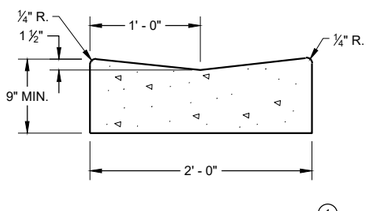
*TO BE MEASURED TO A MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.



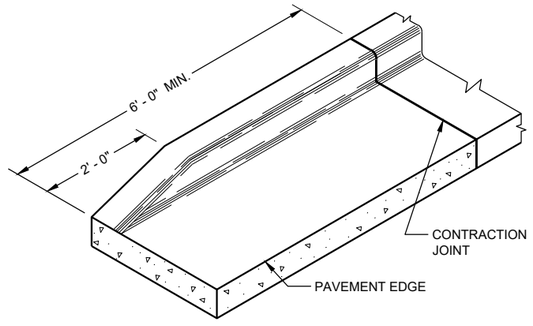
CONCRETE CURB AND GUTTER 22" ①



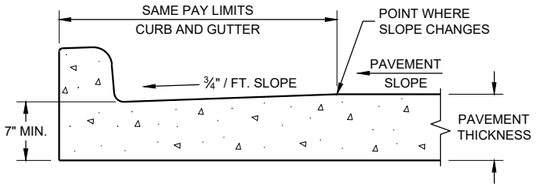
CONCRETE CURB AND GUTTER 19" ①



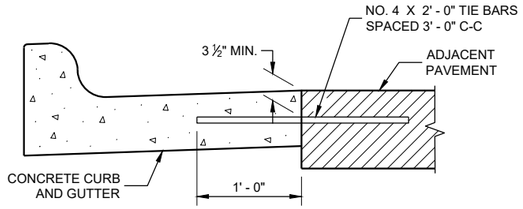
CONCRETE GUTTER 24" ①



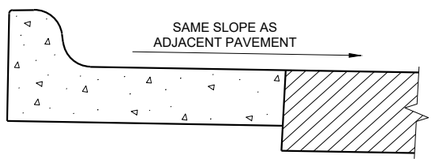
END SECTIONCURB AND GUTTER



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.

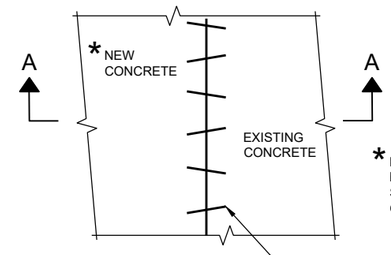
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

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".

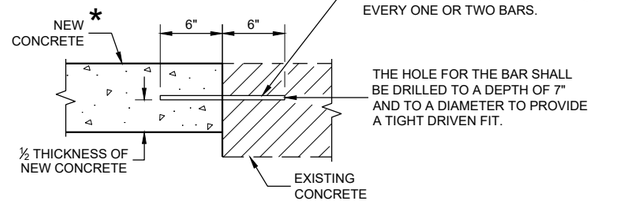
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

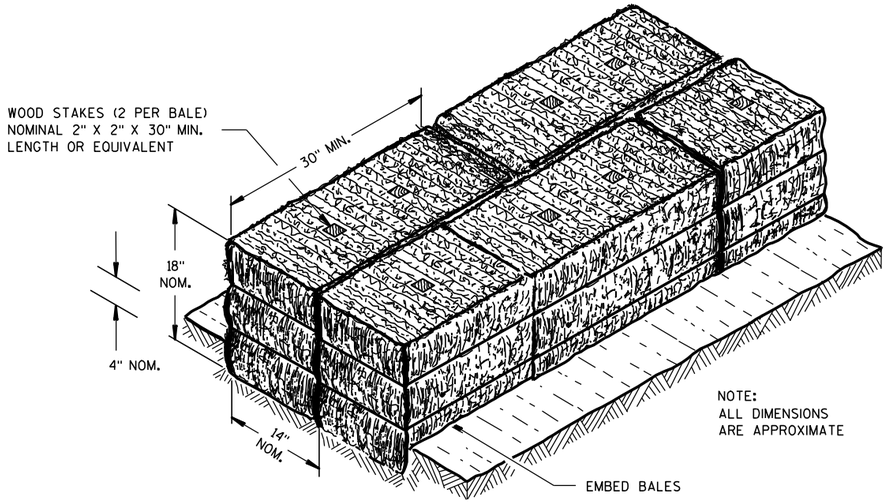
(For Optional use in Milwaukee Co. Only)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

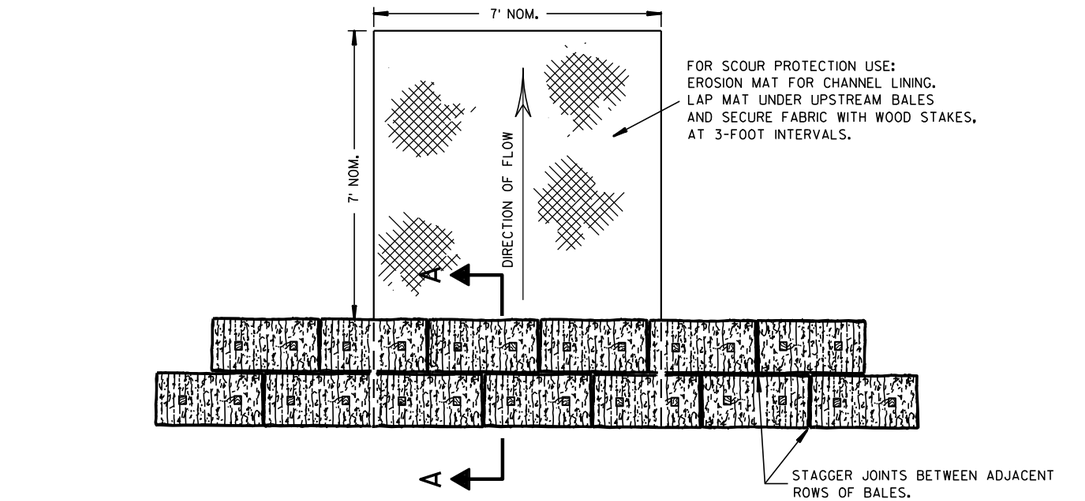
APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

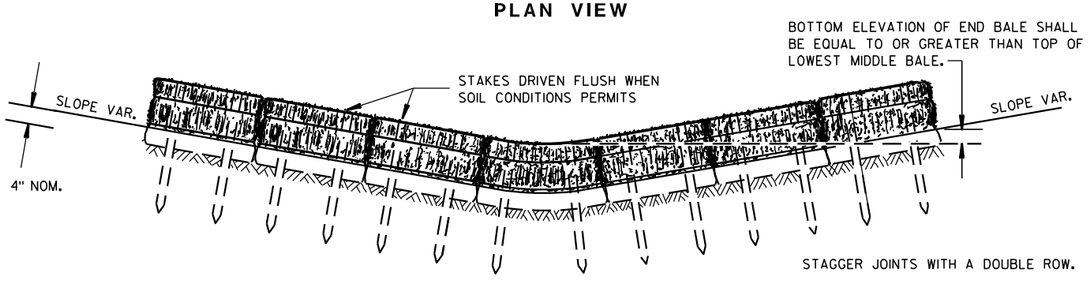
SDD 08D16 - 11



SECTION A-A



PLAN VIEW



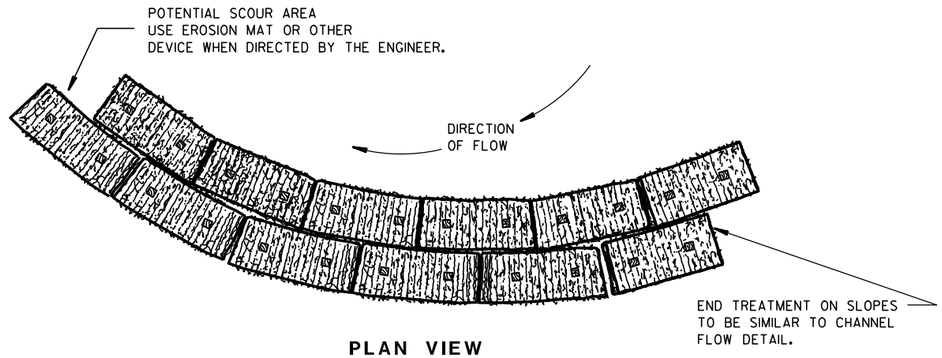
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

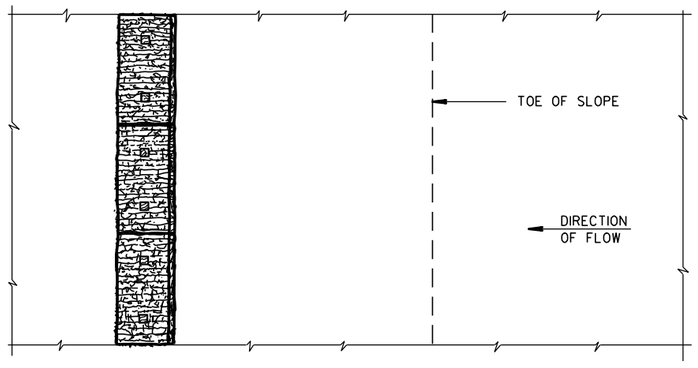
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

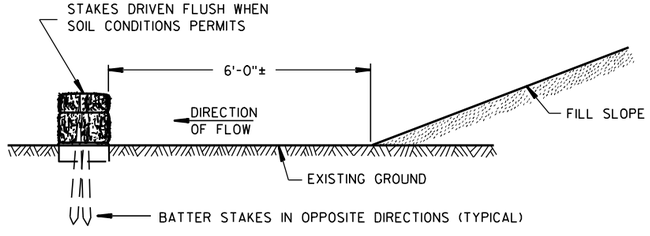


PLAN VIEW

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

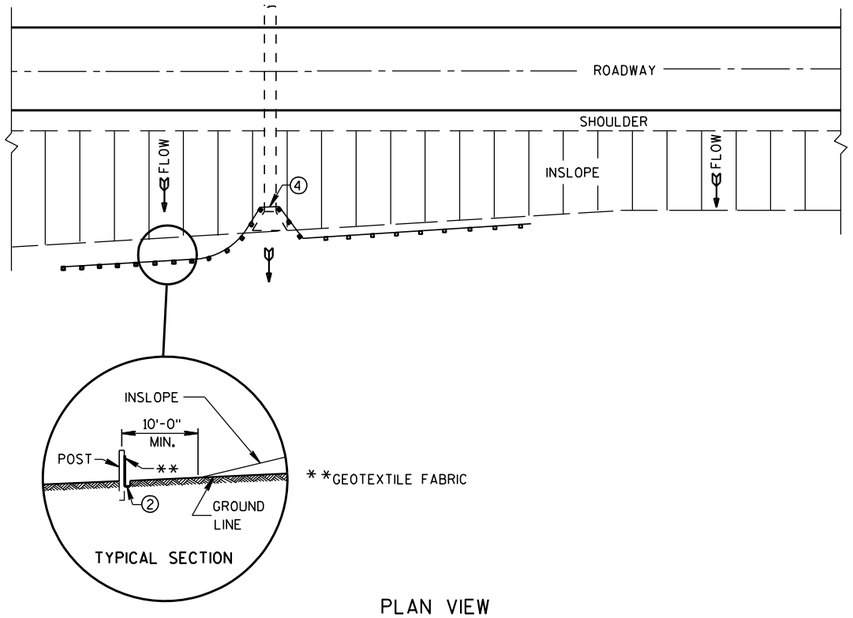
375

6

S.D.D. 8 E 8-3

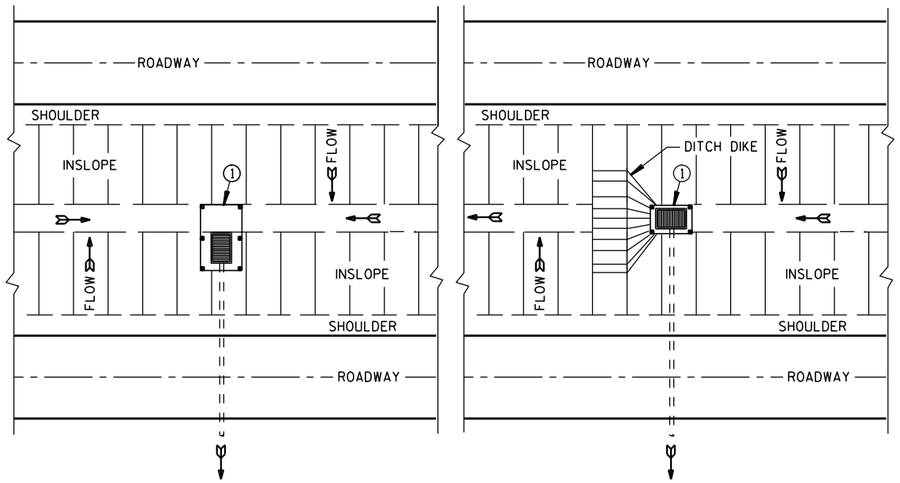
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



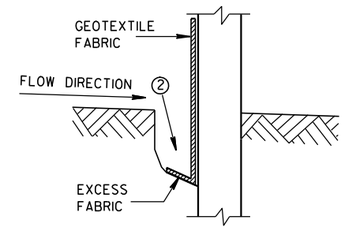
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

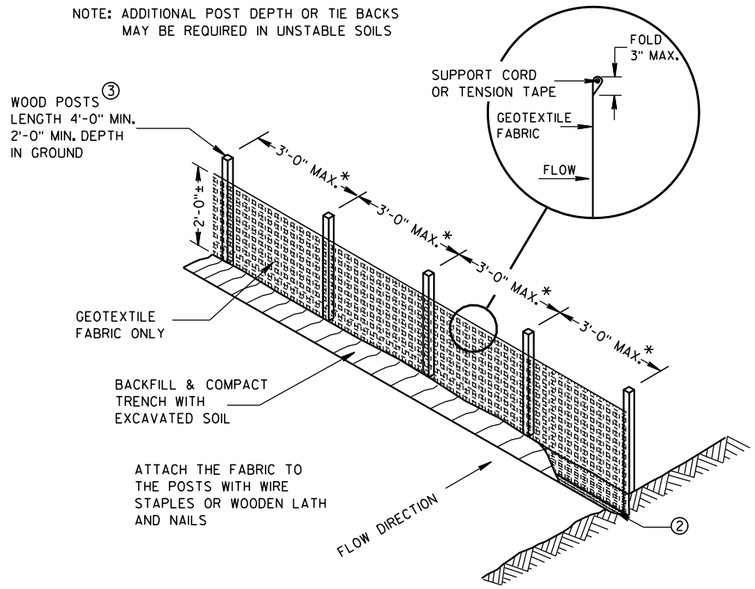
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

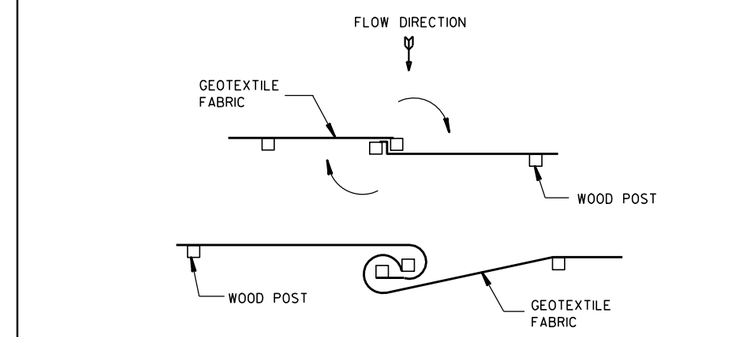
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



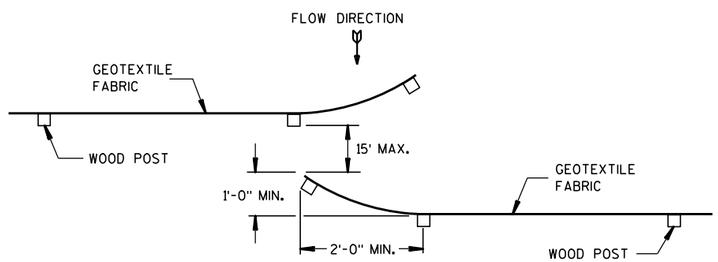
TRENCH DETAIL



SILT FENCE

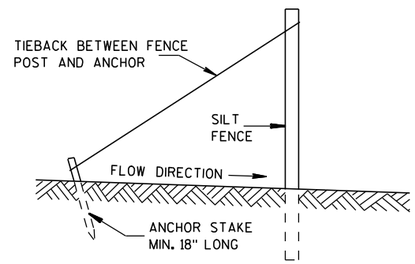


TWIST METHOD



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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S.D.D. 8 E 9-6

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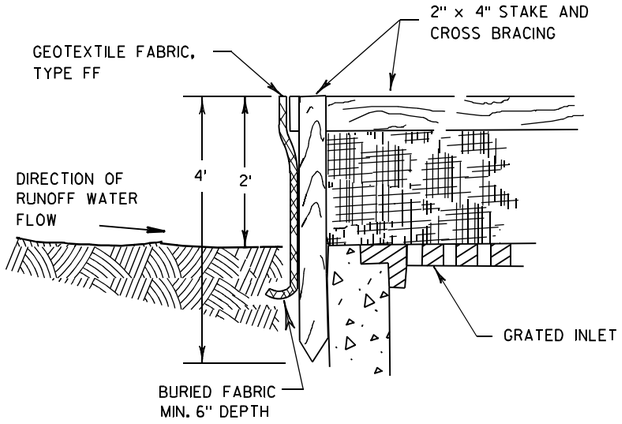
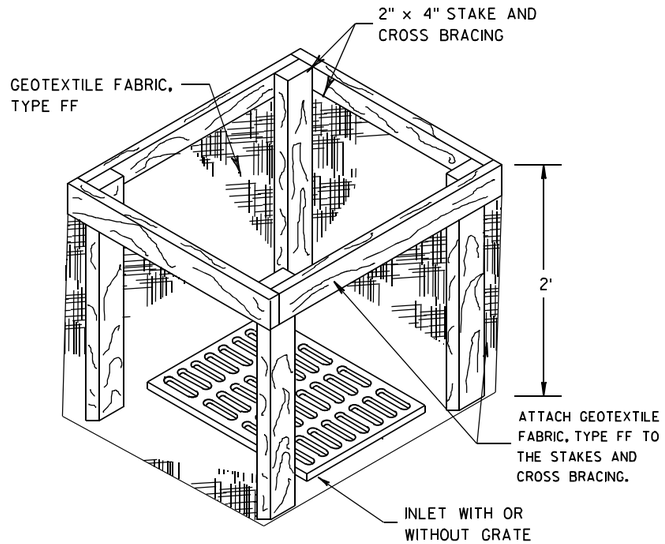
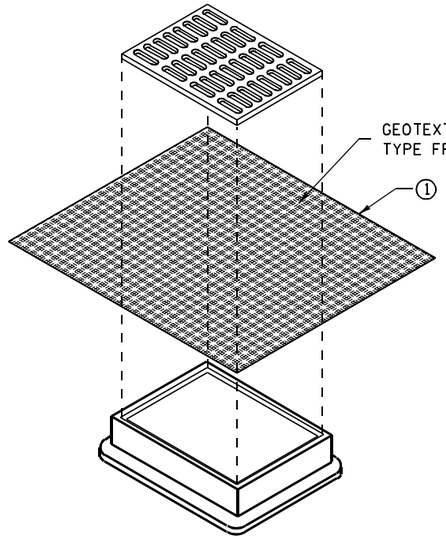
S.D.D. 8 E 9-6



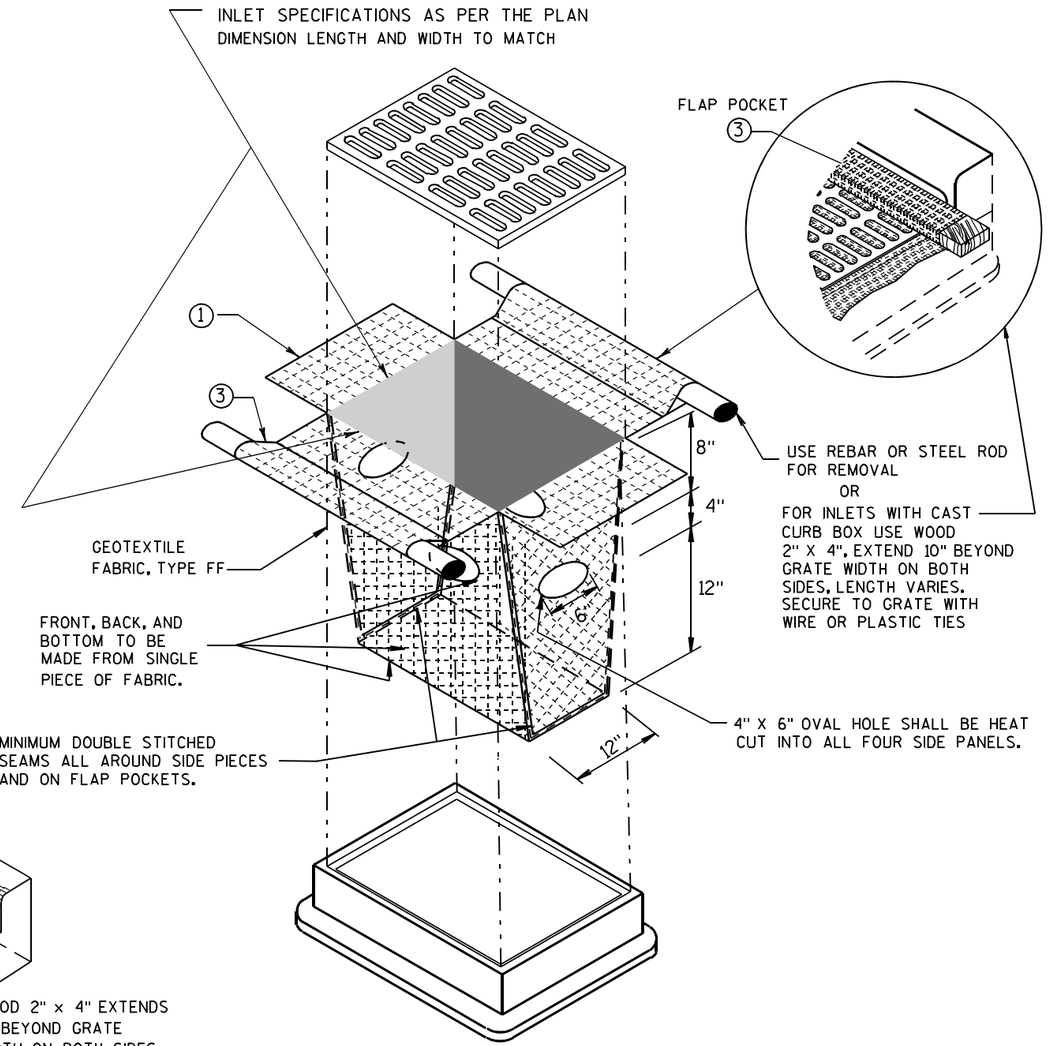


INLET PROTECTION, TYPE A



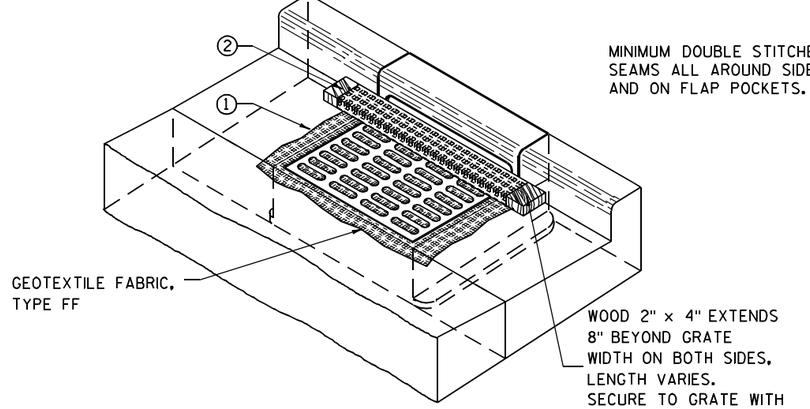
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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S.D.D. 8 E 10-2

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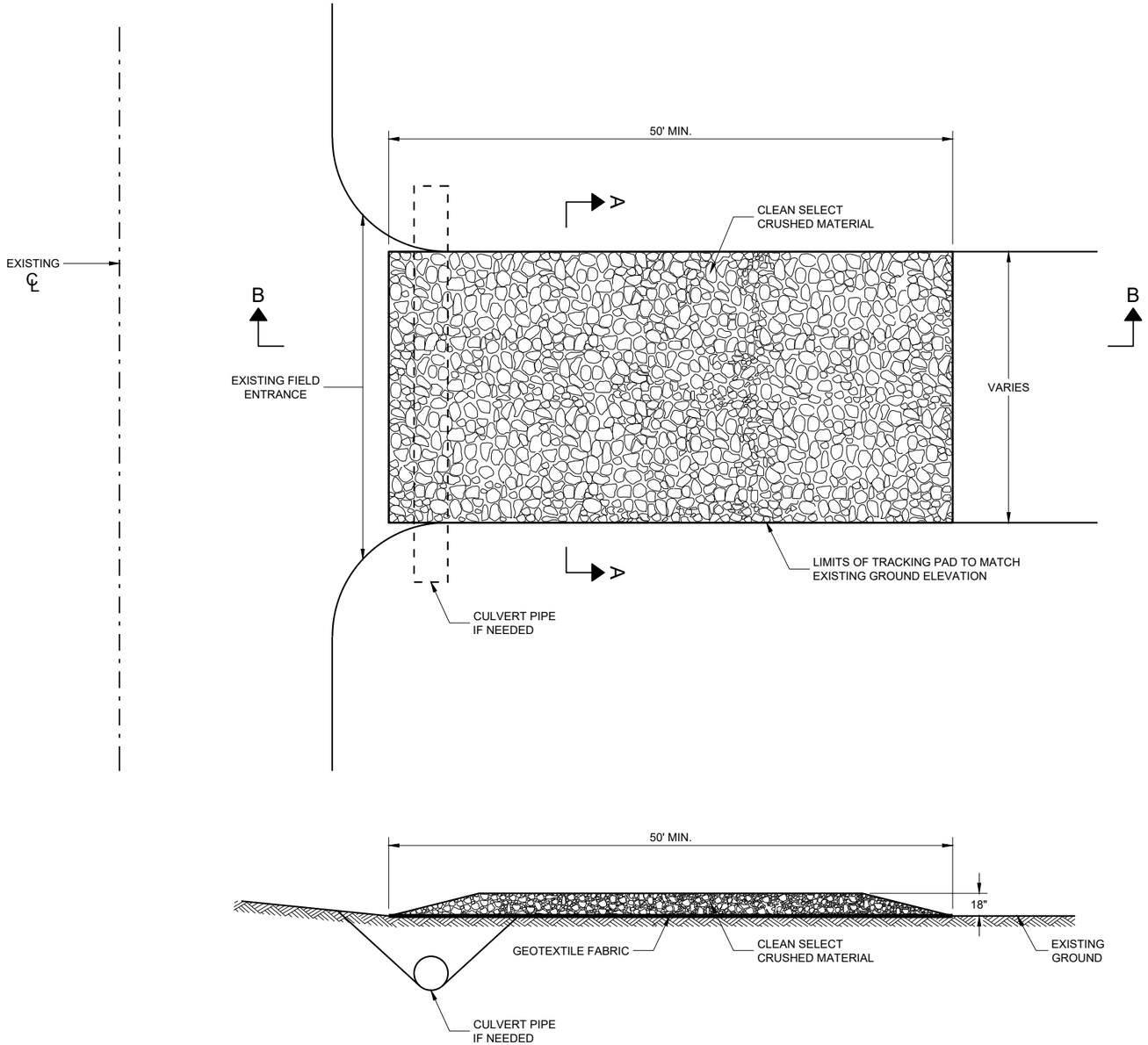
S.D.D. 8 E 10-2



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.

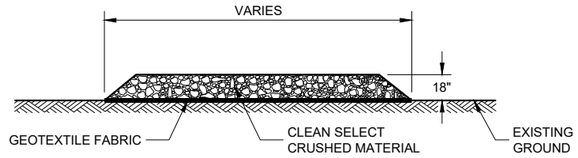
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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SDD 08E14 - 01

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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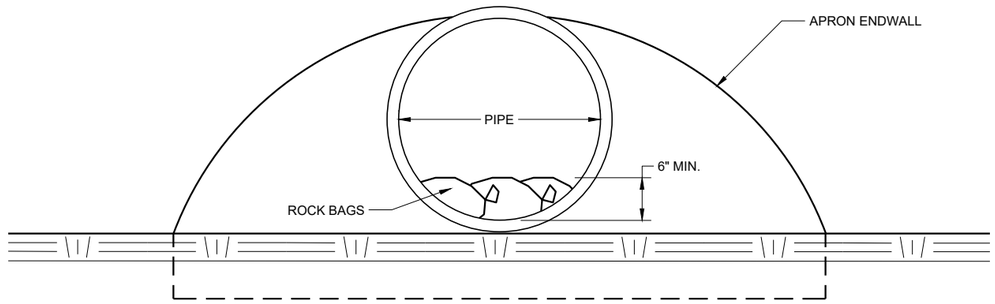
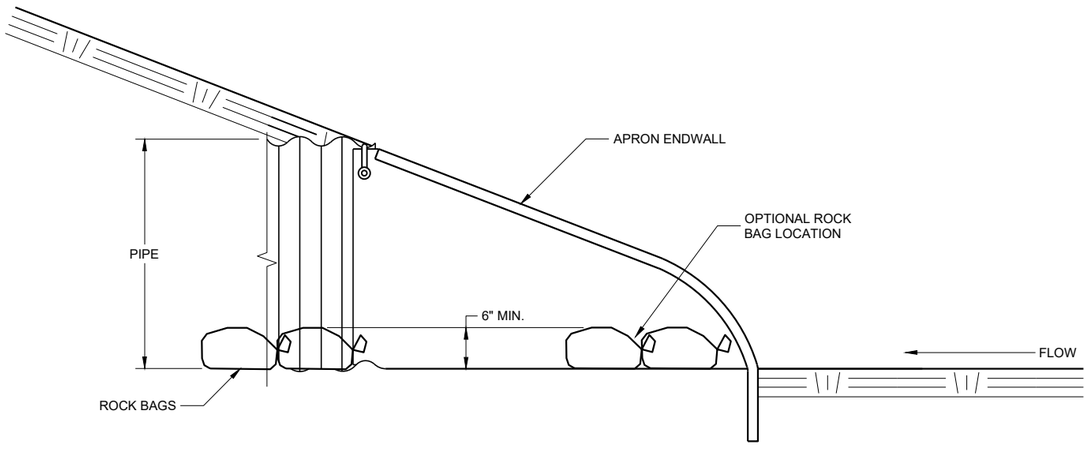
SDD 08E14 - 01



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

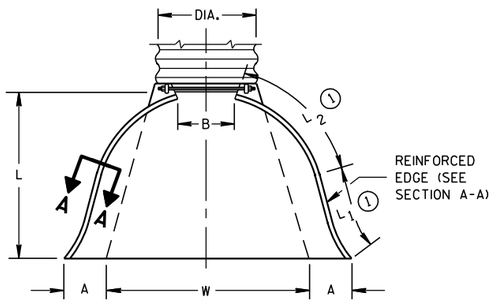
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")		
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 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

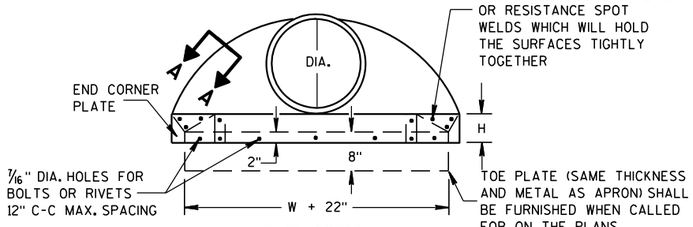
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE
	T	A	B	C	D	E	G	
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

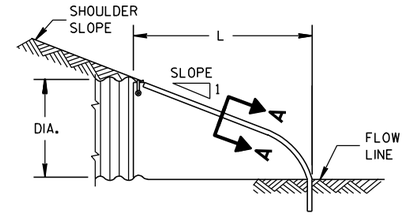
* MINIMUM
** MAXIMUM



PLAN VIEW

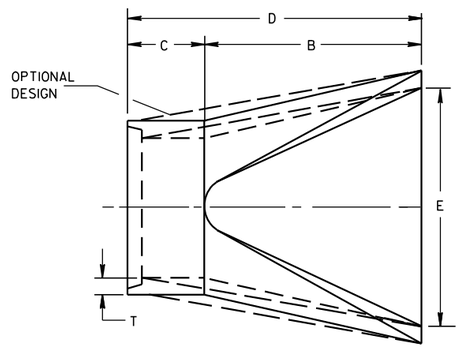


END VIEW

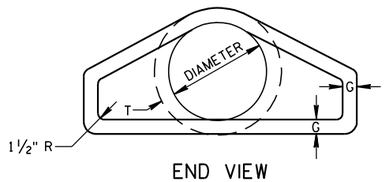


SIDE ELEVATION

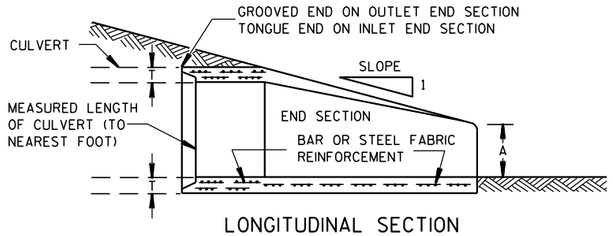
METAL ENDWALLS



PLAN

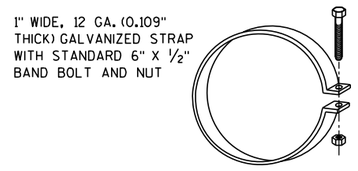


END VIEW



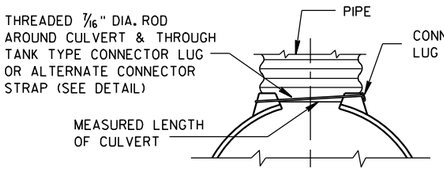
LONGITUDINAL SECTION

CONCRETE ENDWALLS

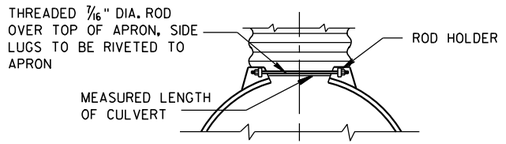


ALTERNATE FOR TYPE 1 CONNECTION

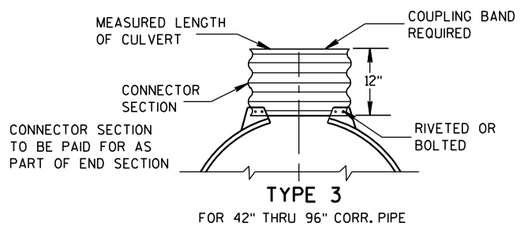
END SECTION CONNECTOR STRAP



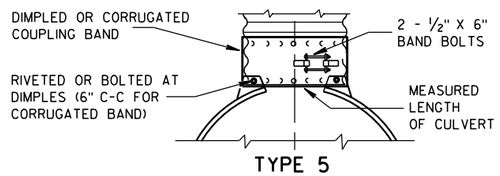
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

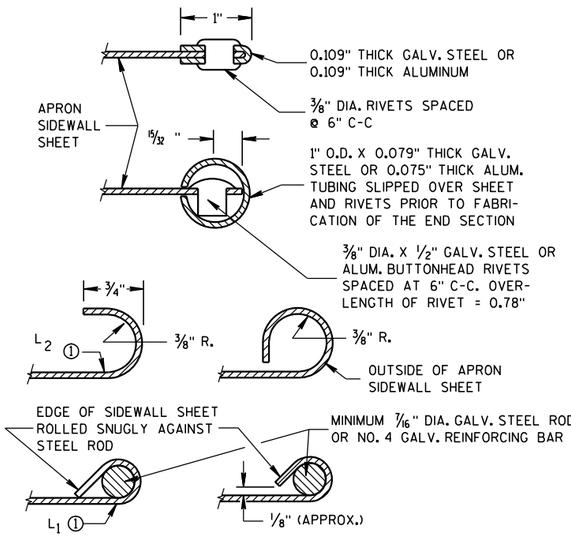
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

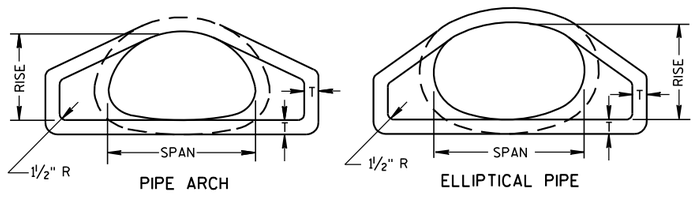
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 380 NEER
FHWA

6

S.D.D. 8 F 1-11



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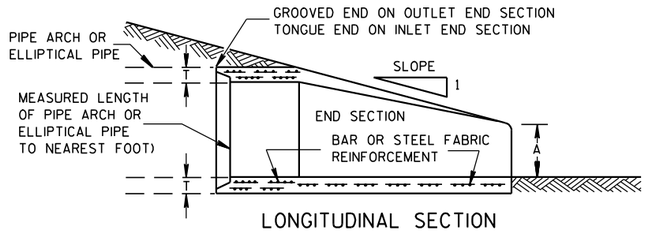
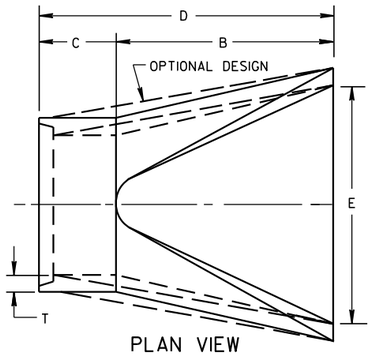
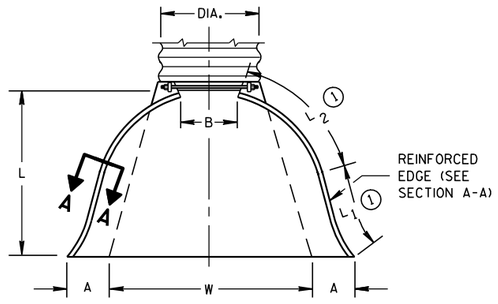


LONGITUDINAL SECTION

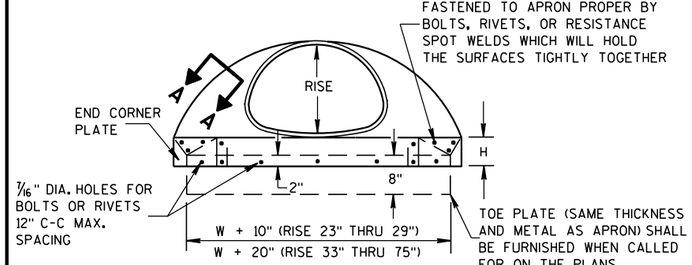


PLAN VIEW

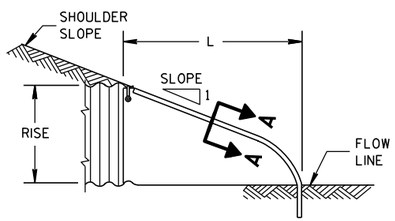
CONCRETE ENDWALLS



PLAN VIEW

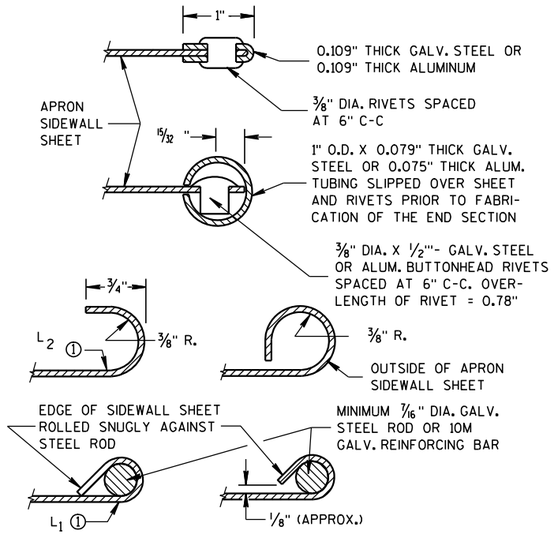


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

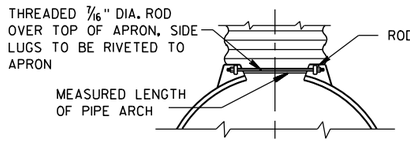
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

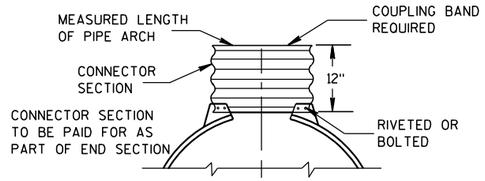
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



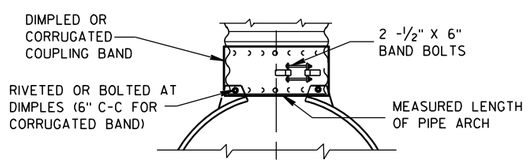
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION 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.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH 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 ARCH 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 77" X 52" THROUGH 112" X 75" 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 ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 F 2-1

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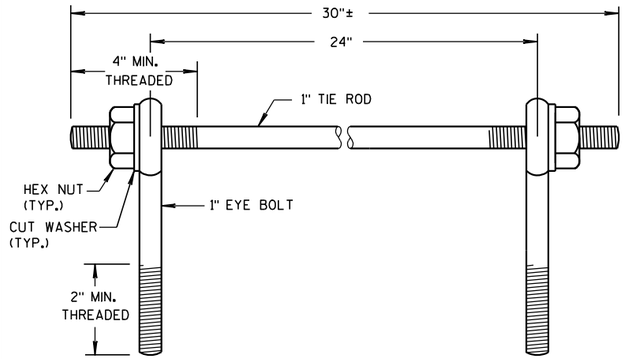
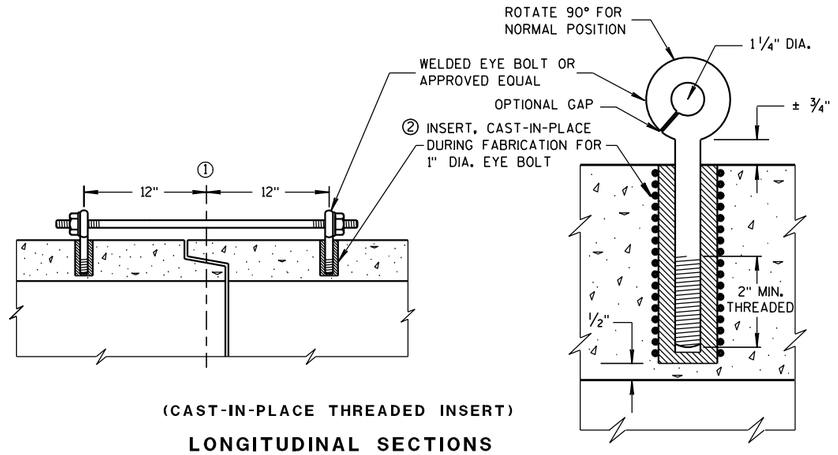
S.D.D. 8 F 2-1



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.

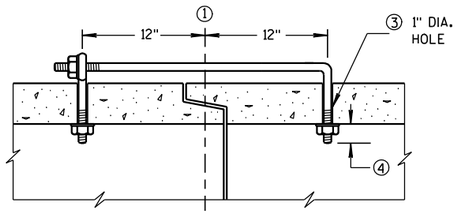
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

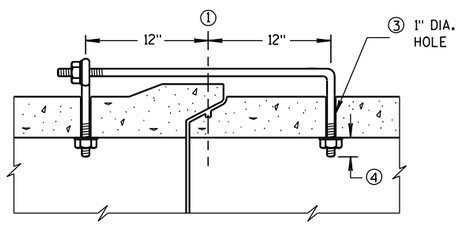
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

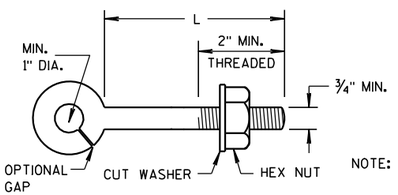


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

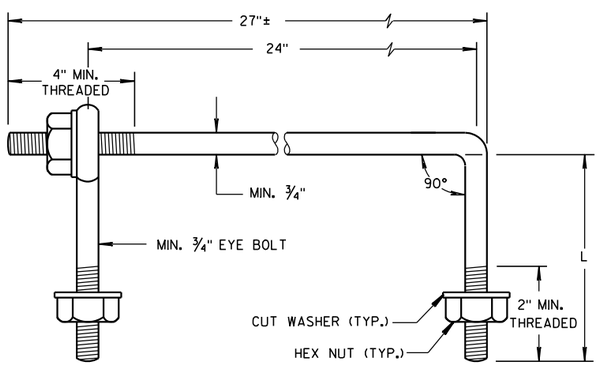
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

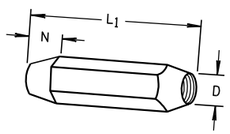
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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



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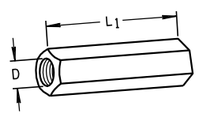
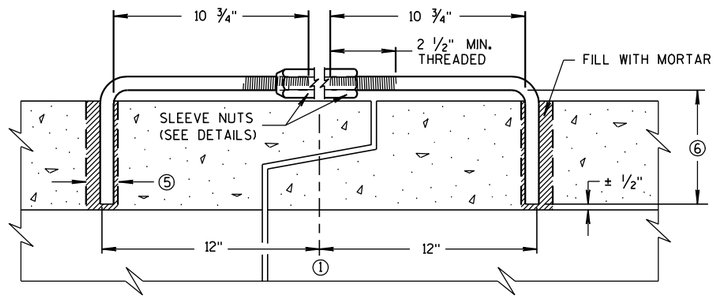


PLAIN

RIGHT AND LEFT THREADS

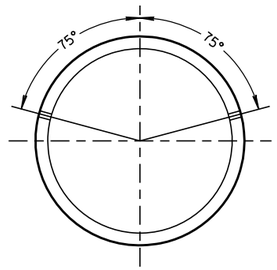
SLEEVE NUTS



LONGITUDINAL SECTION

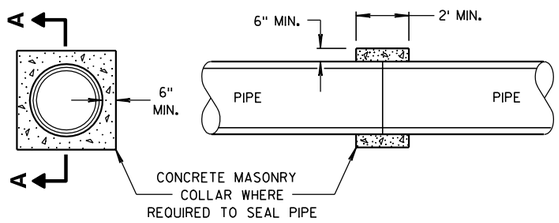
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
382
FHWA

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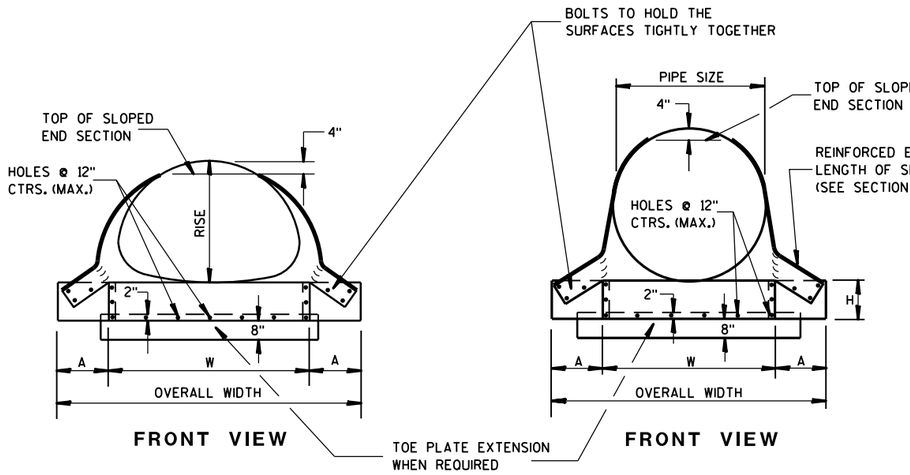
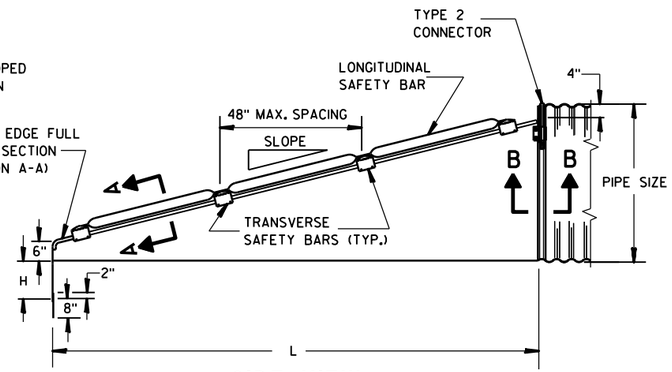


FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

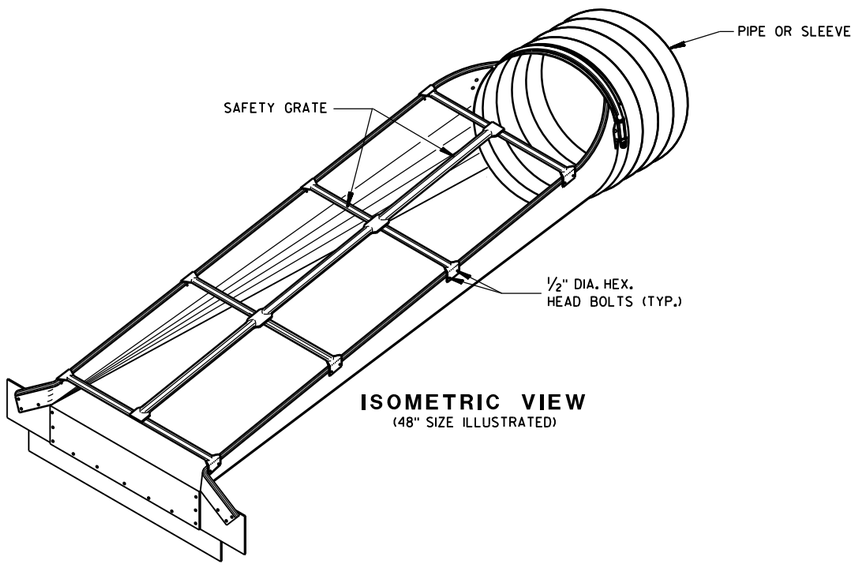
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

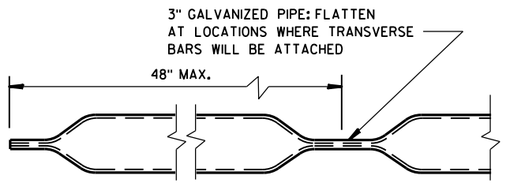
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

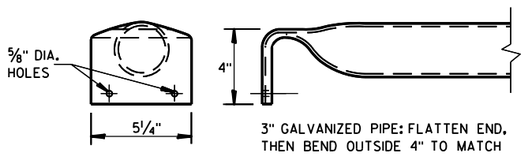
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



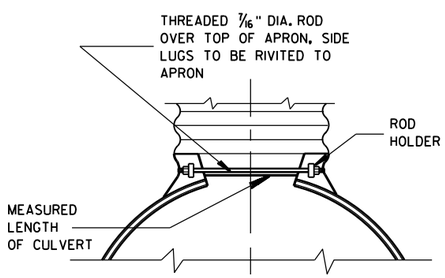
LONGITUDINAL SAFETY BAR



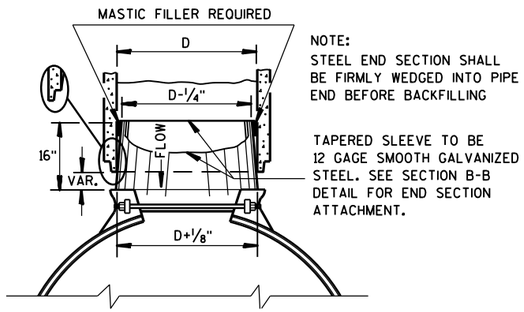
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

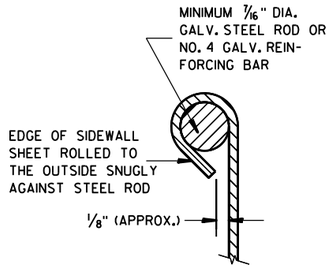
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



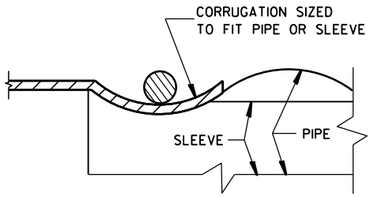
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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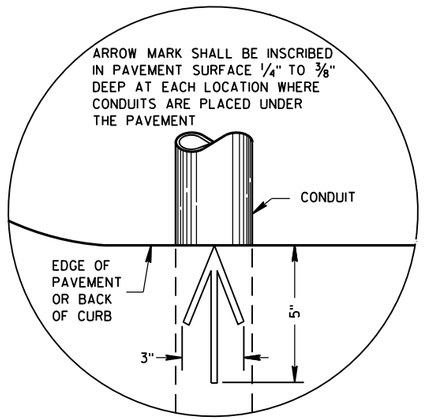
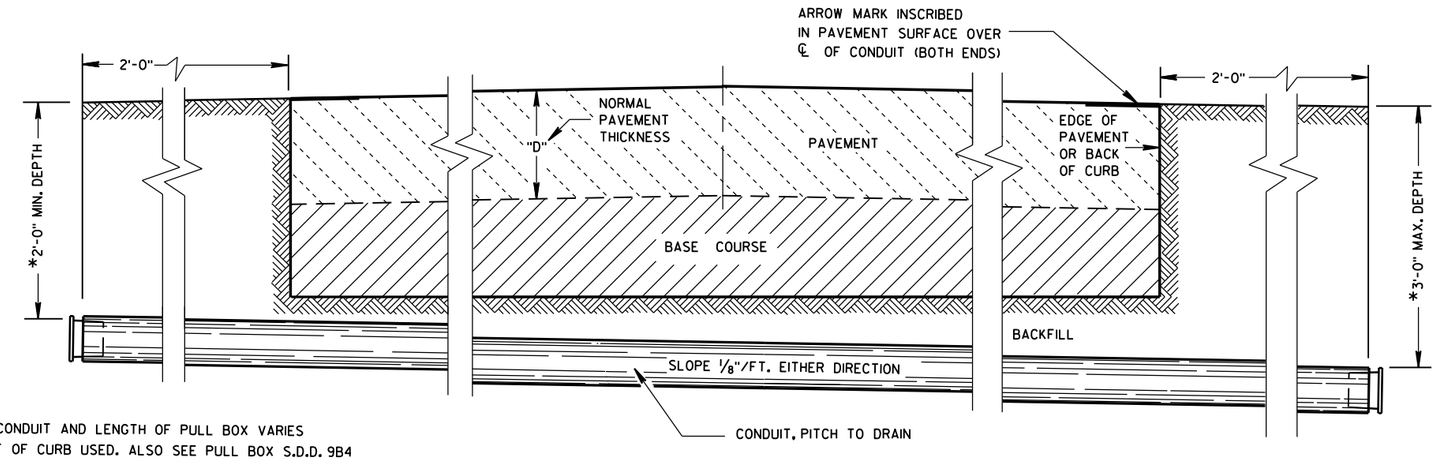
S.D.D. 8 F 8-2



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 384
FHWA

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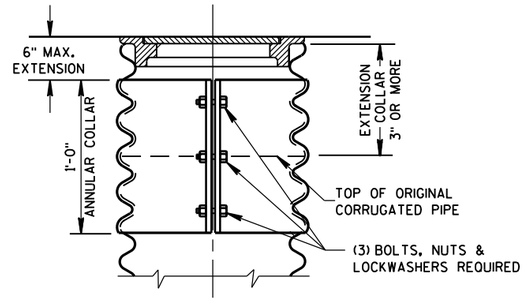
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

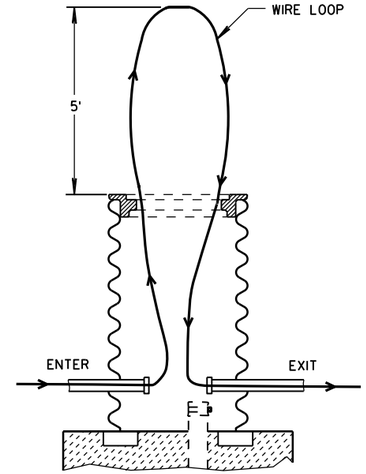
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	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.

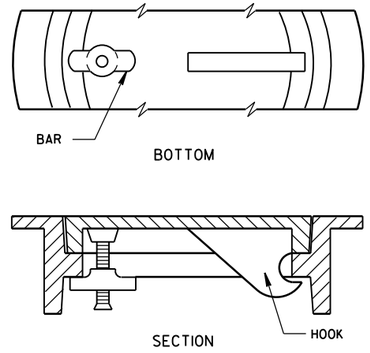
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

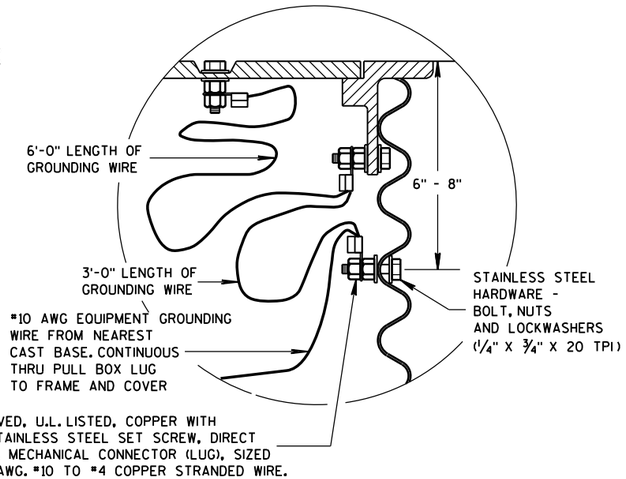


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

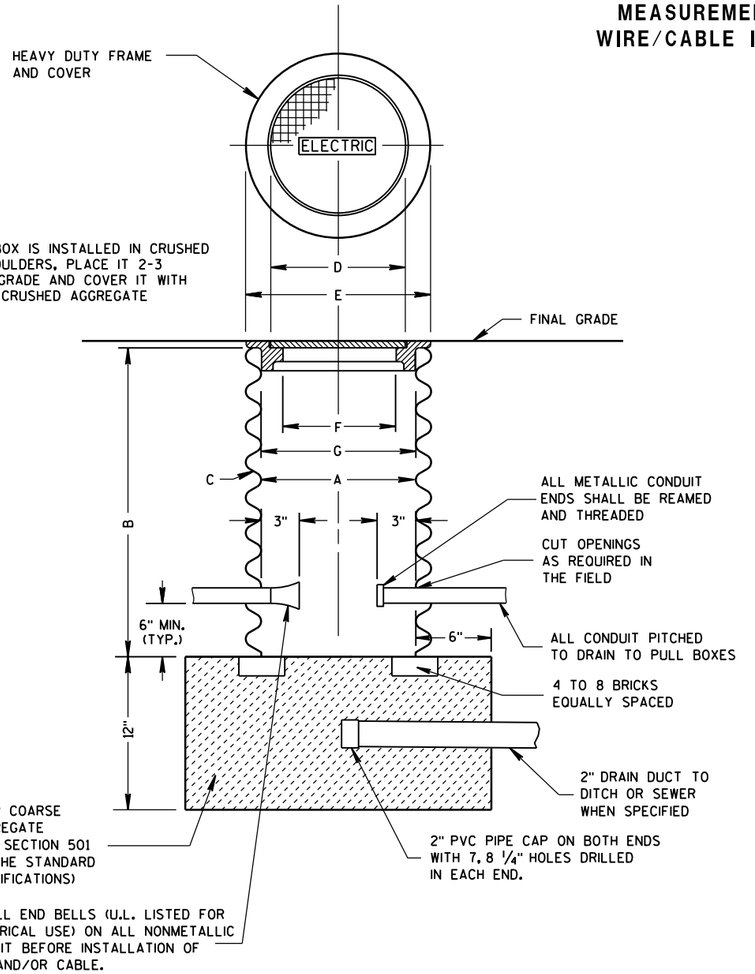


ALTERNATE COVER (LOCKING)

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.

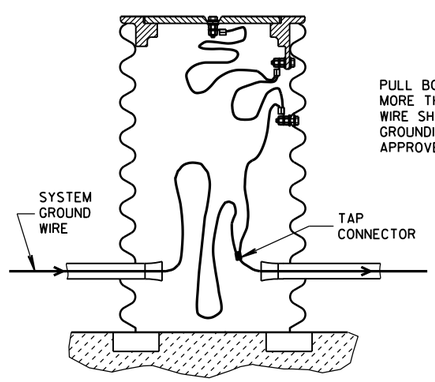
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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 385
FHWA

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S.D.D. 9 B 4-11

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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".

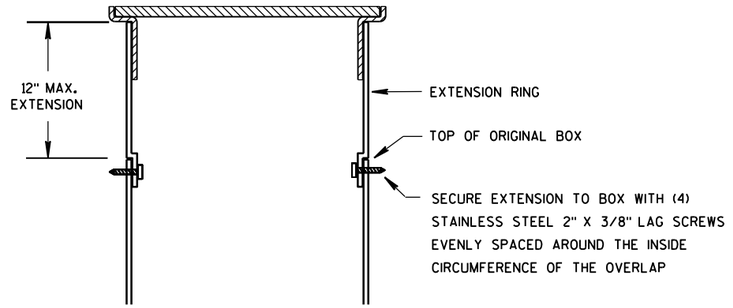
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

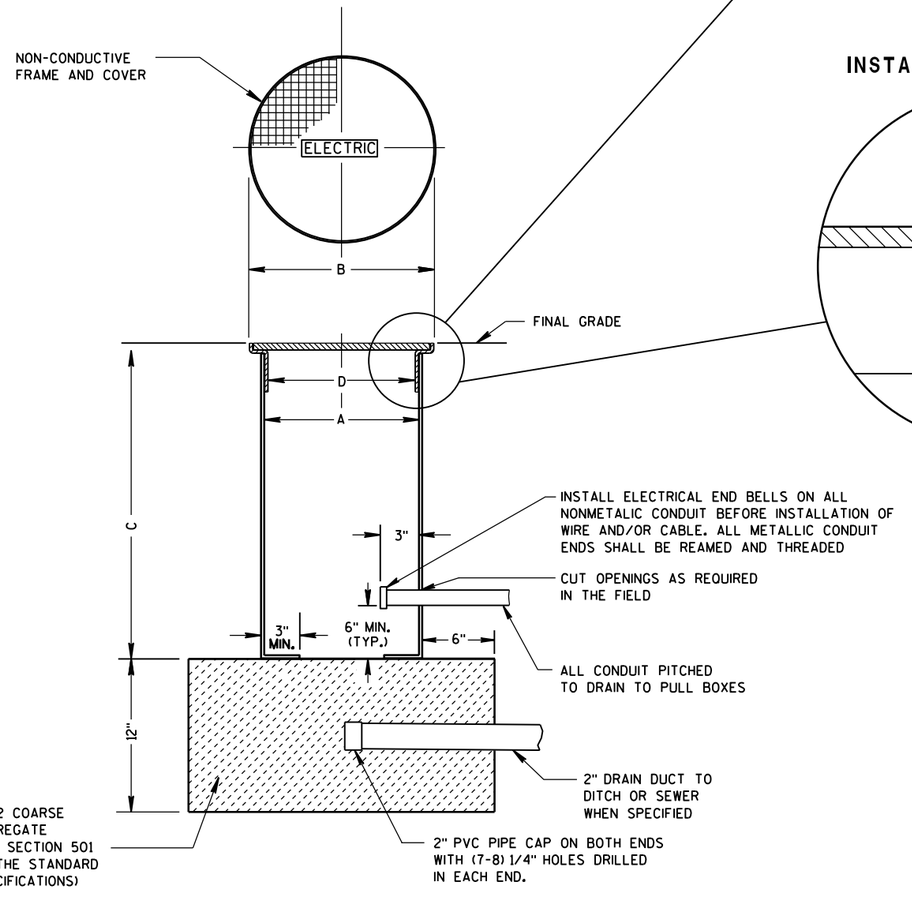
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

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.

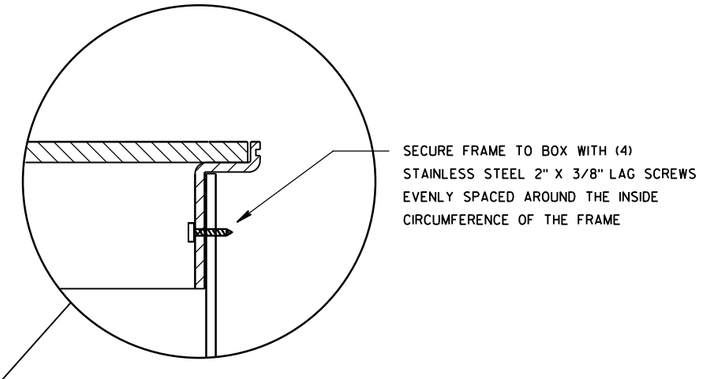


BOX EXTENSION

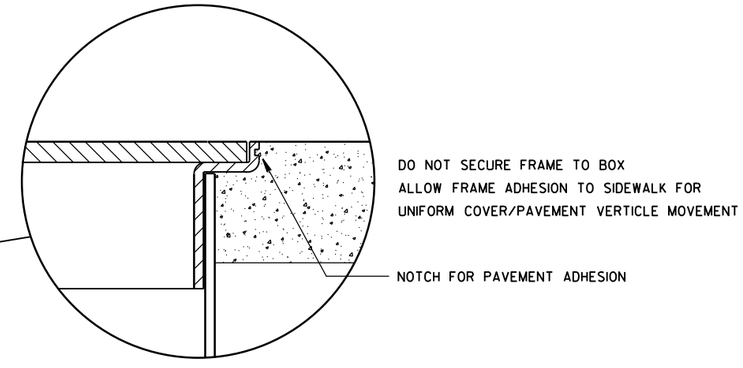


NON-CONDUCTIVE PULL BOX

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
FHWA

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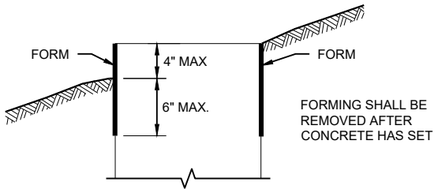
FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



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.

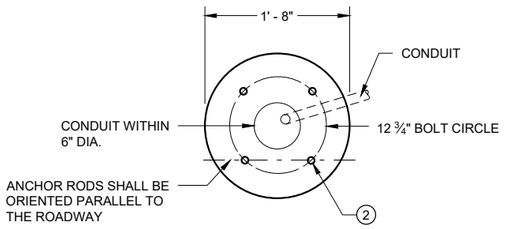
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

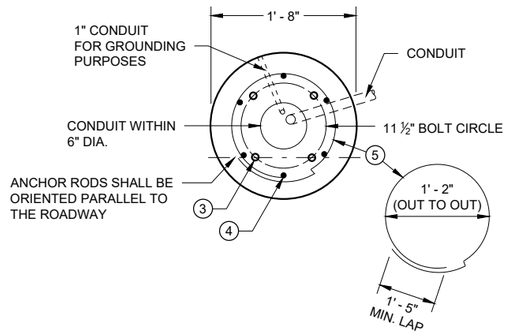
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

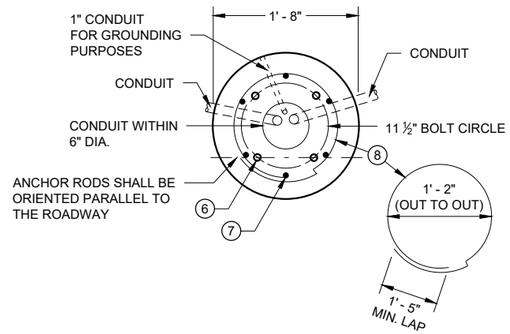
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

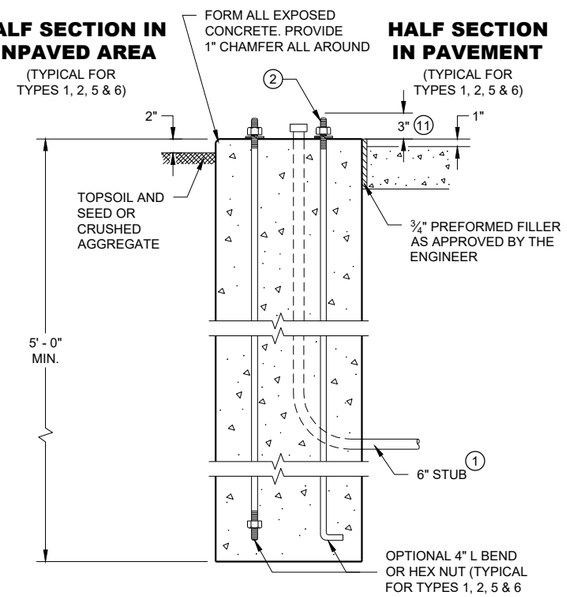
(10) ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

(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.

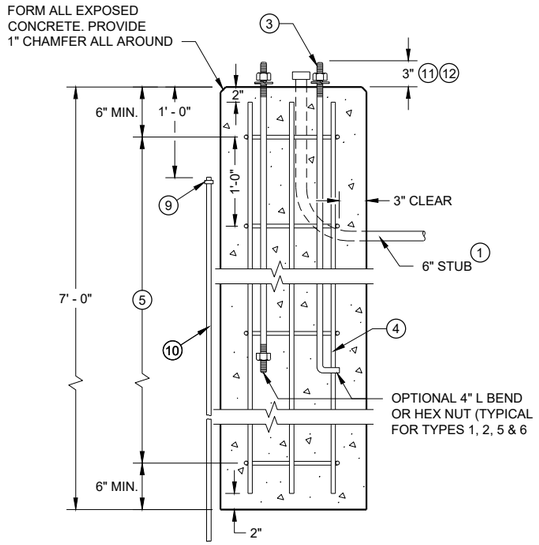
(12) FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

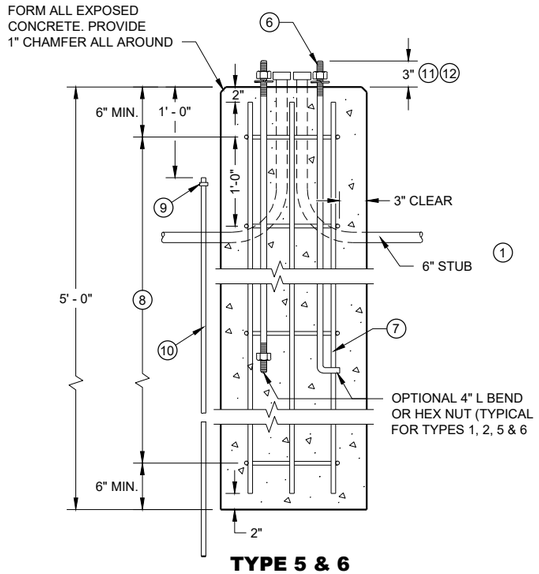
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 387

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.

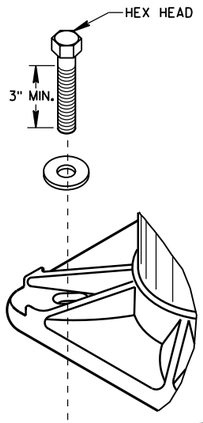
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

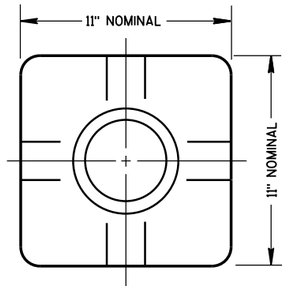
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

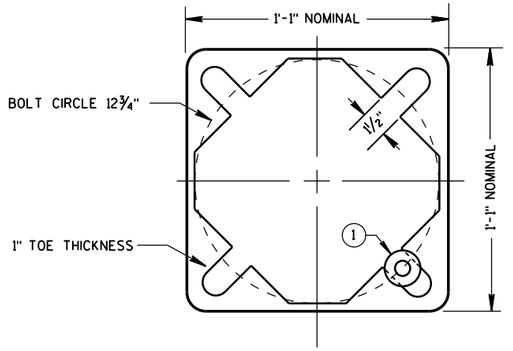
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

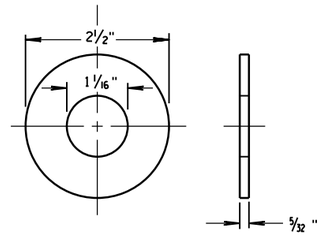




TOP VIEW
(PEDESTAL BASE)

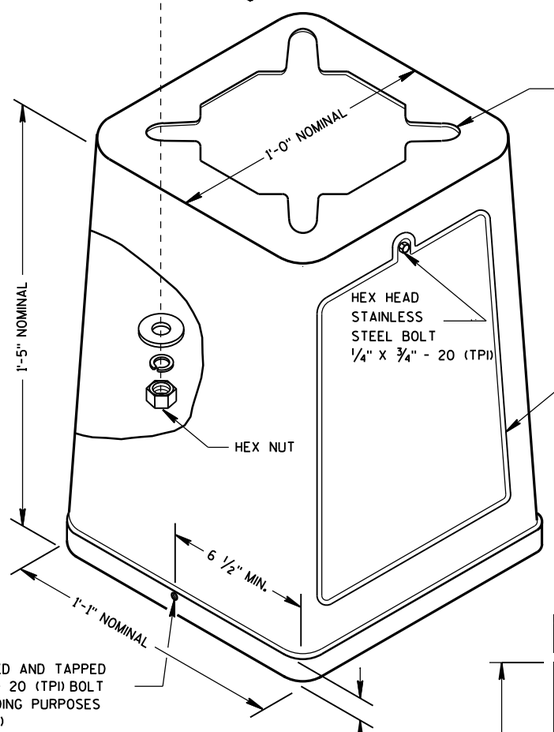


BOTTOM VIEW
(PEDESTAL BASE)

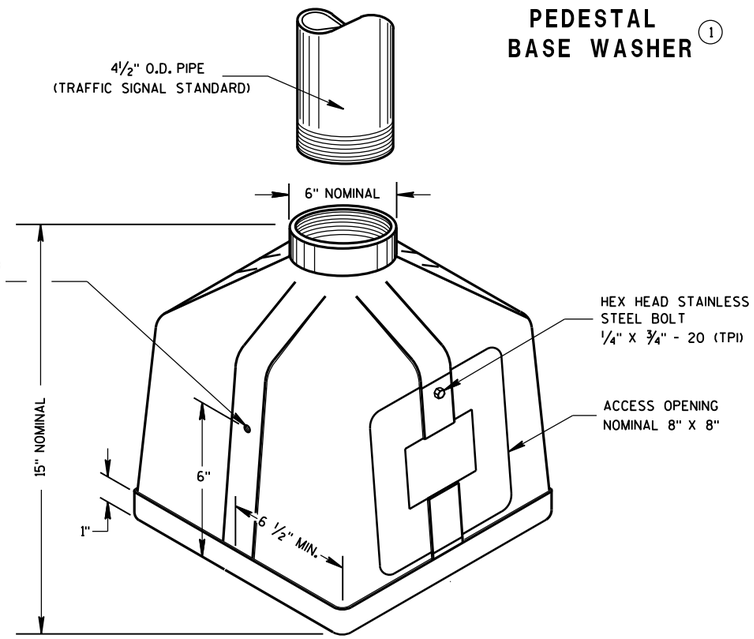


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

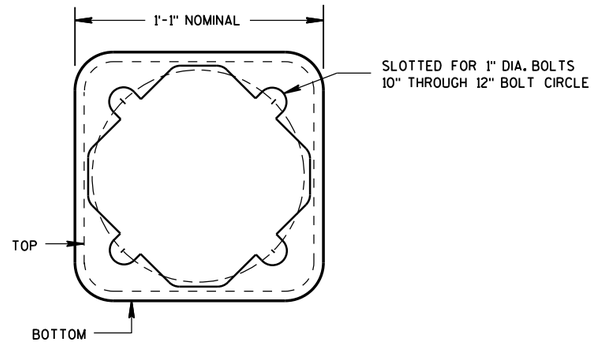
PEDESTAL BASE WASHER (1)



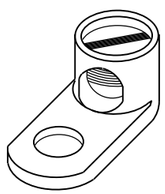
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

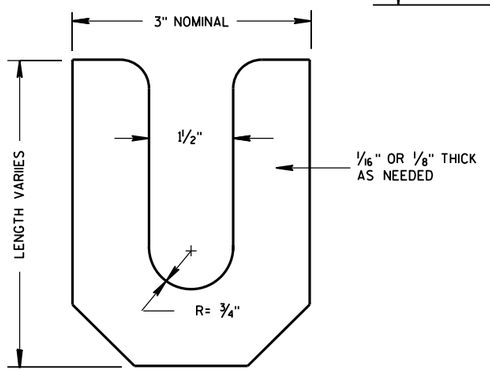


TYPICAL MECHANICAL CONNECTOR LUG

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
388
FHWA

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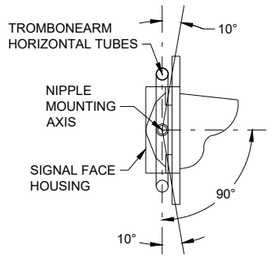
S.D.D. 9 C 3-4

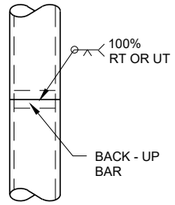


SECTION A-A

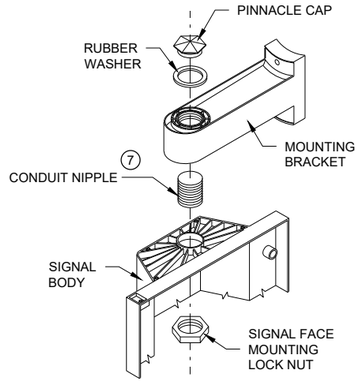
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

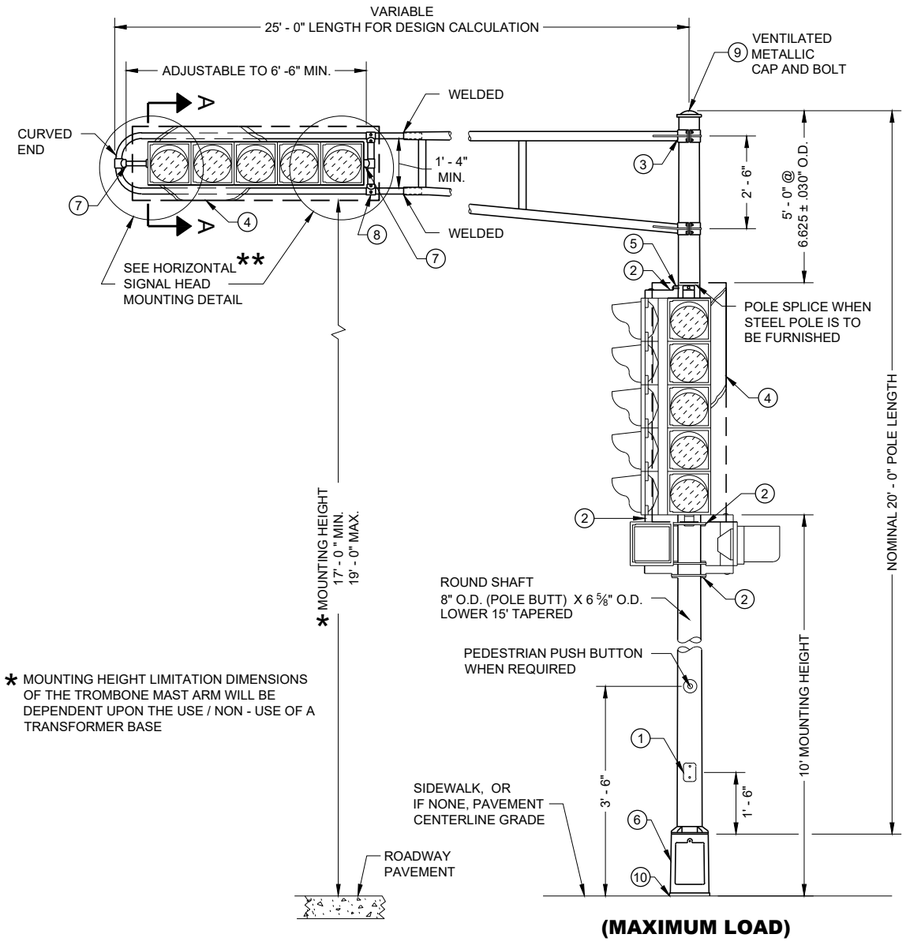


POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL

(BANDED)



* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

(MAXIMUM LOAD)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THEPERTINENT REQUIREMENTS OF THE CONTRACT.

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

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) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING,PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

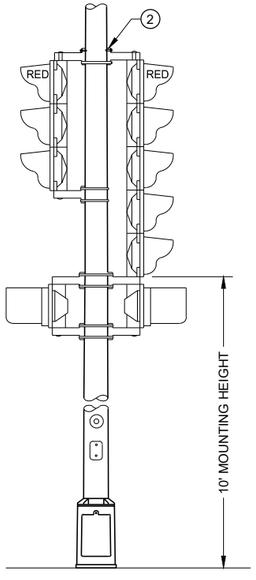
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS THE SLIDING TYPE.

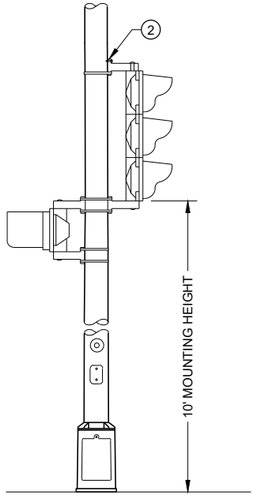
(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

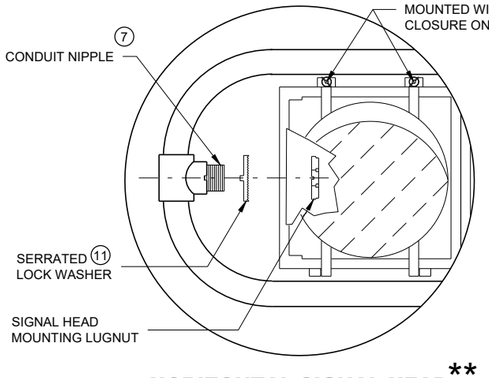
(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 2 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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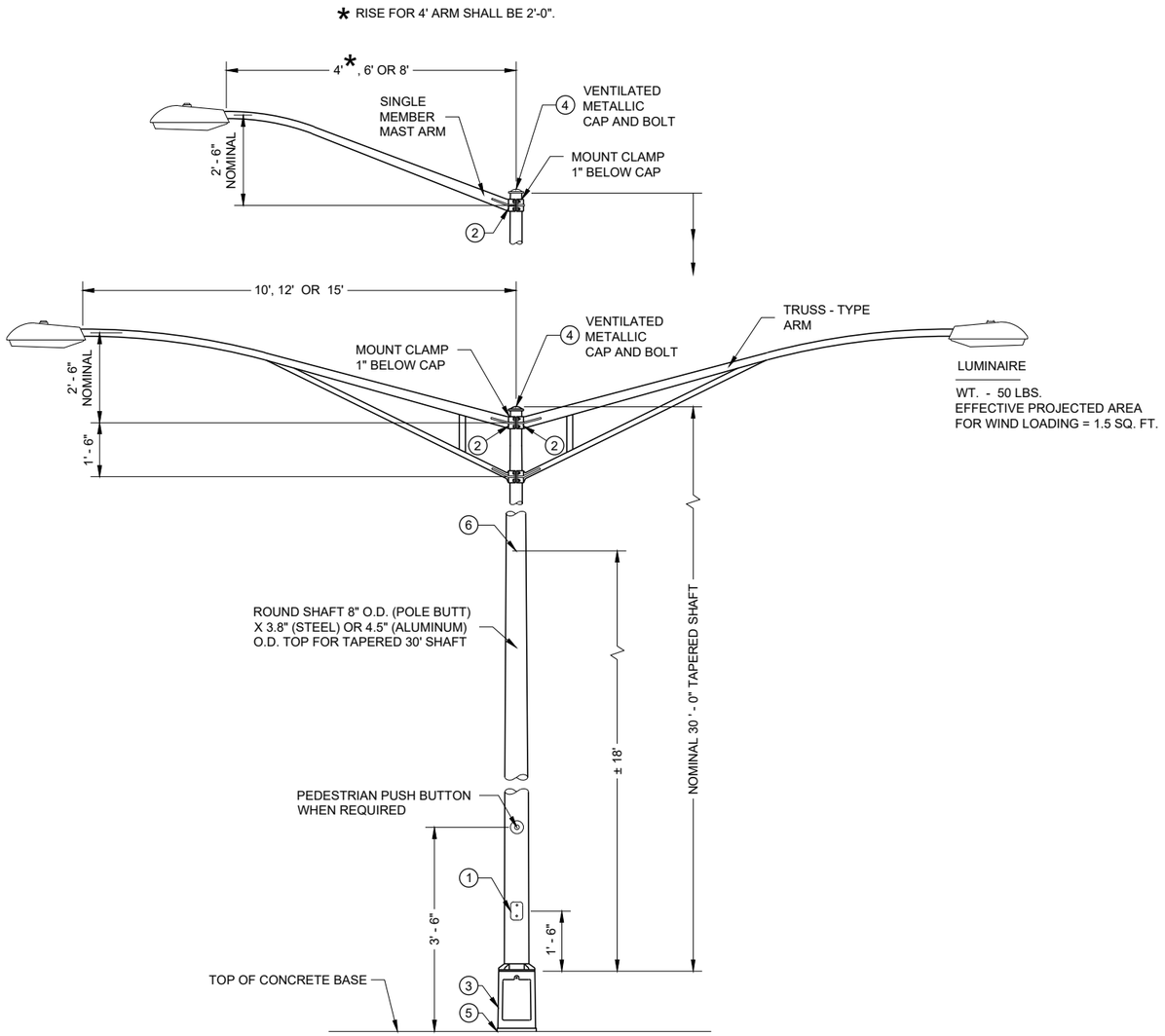
SDD 09E01 - 15a



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.

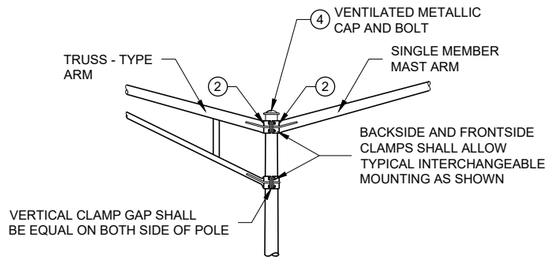
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(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.

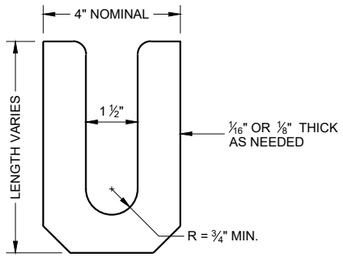


INTERCHANGEABLE MOUNTING DETAIL

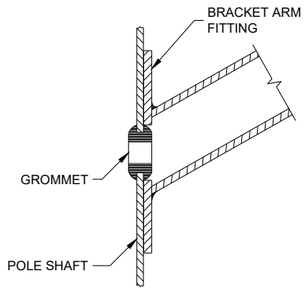
POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

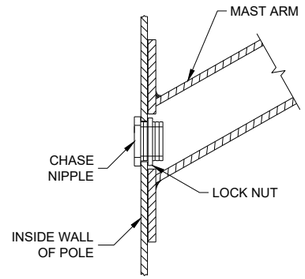
SDD 09E01 - 15d



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.

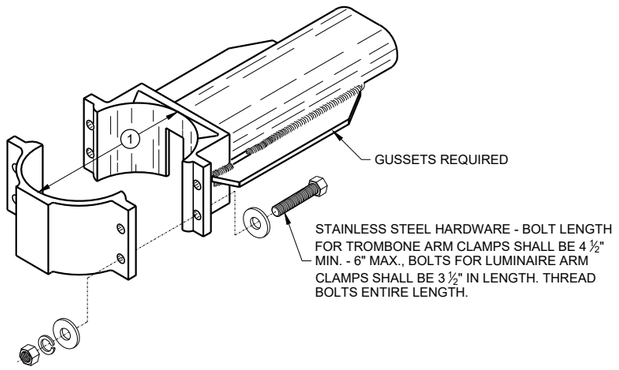
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

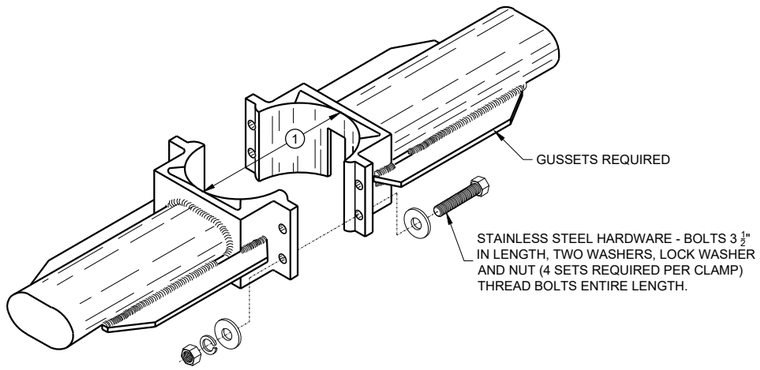
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

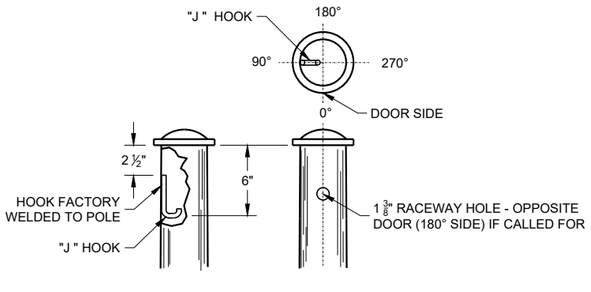
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



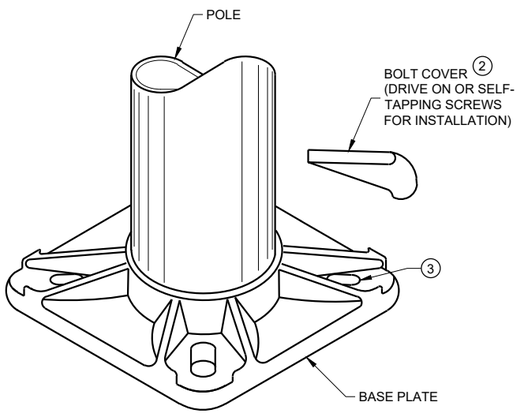
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



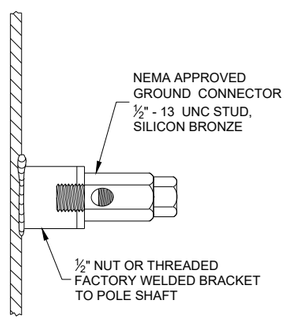
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

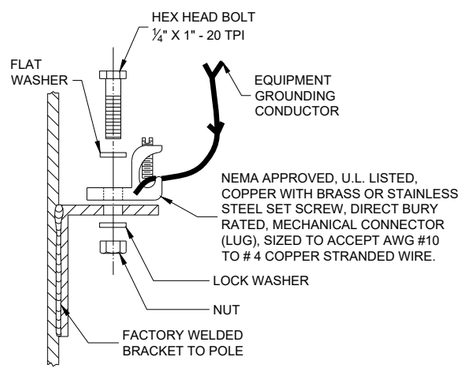


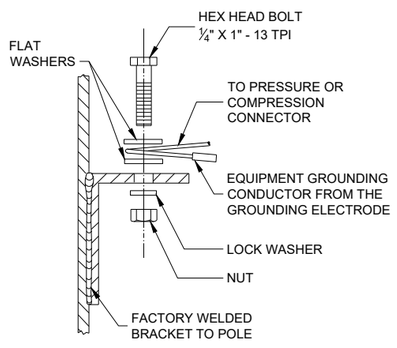
TYPICAL "J" HOOK LOCATION



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 391

FHWA

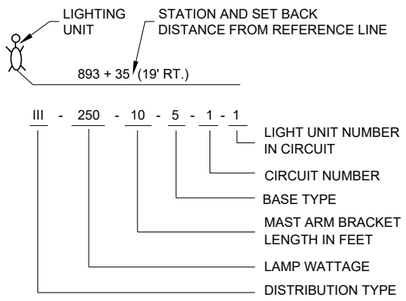
6
SDD 09A01 - 15g

GENERAL NOTES

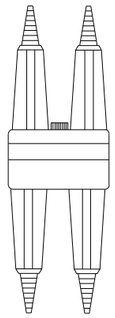
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

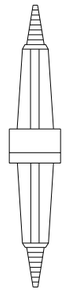
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



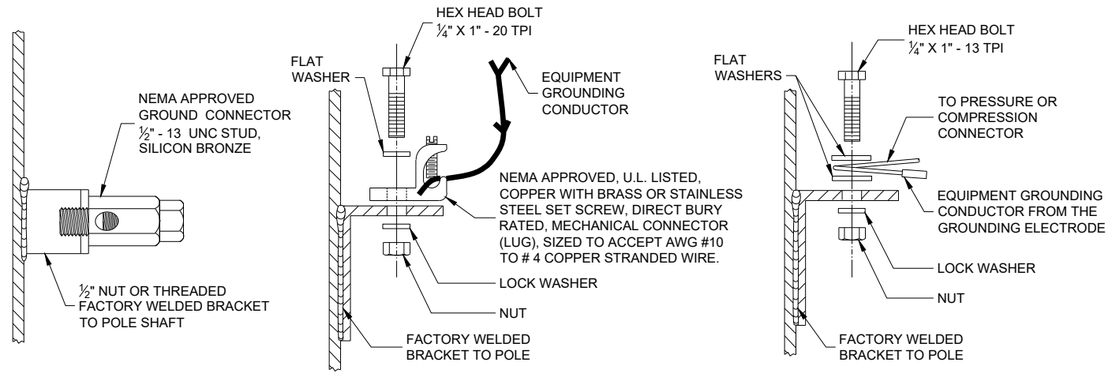
LIGHTING UNIT CODE
(TYPICAL)



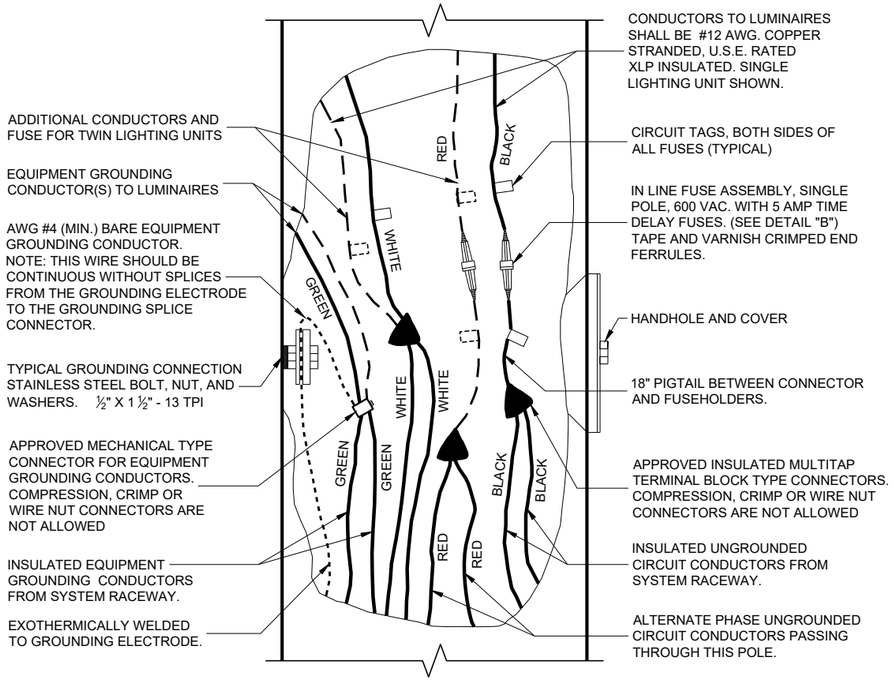
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



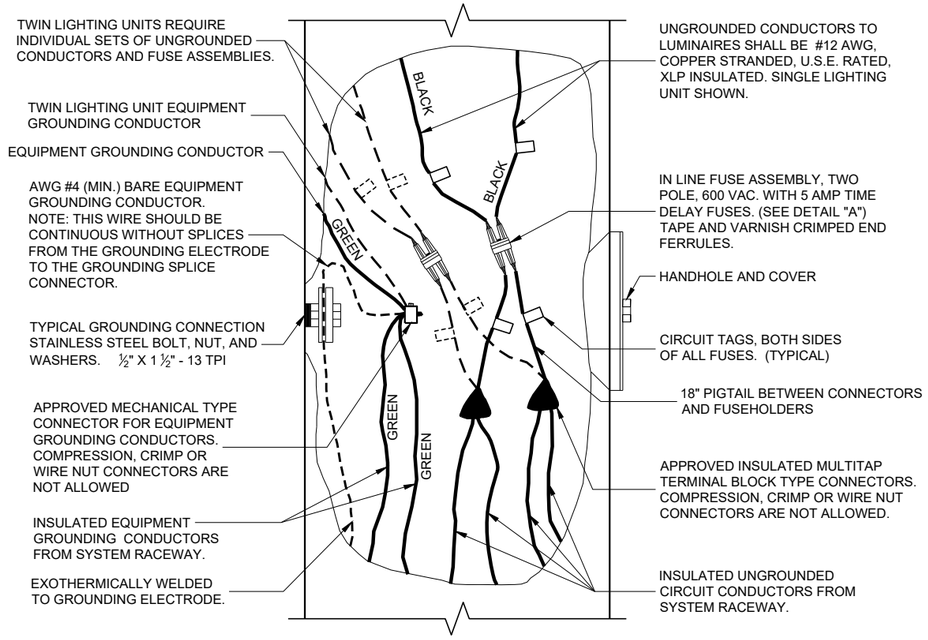
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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 392

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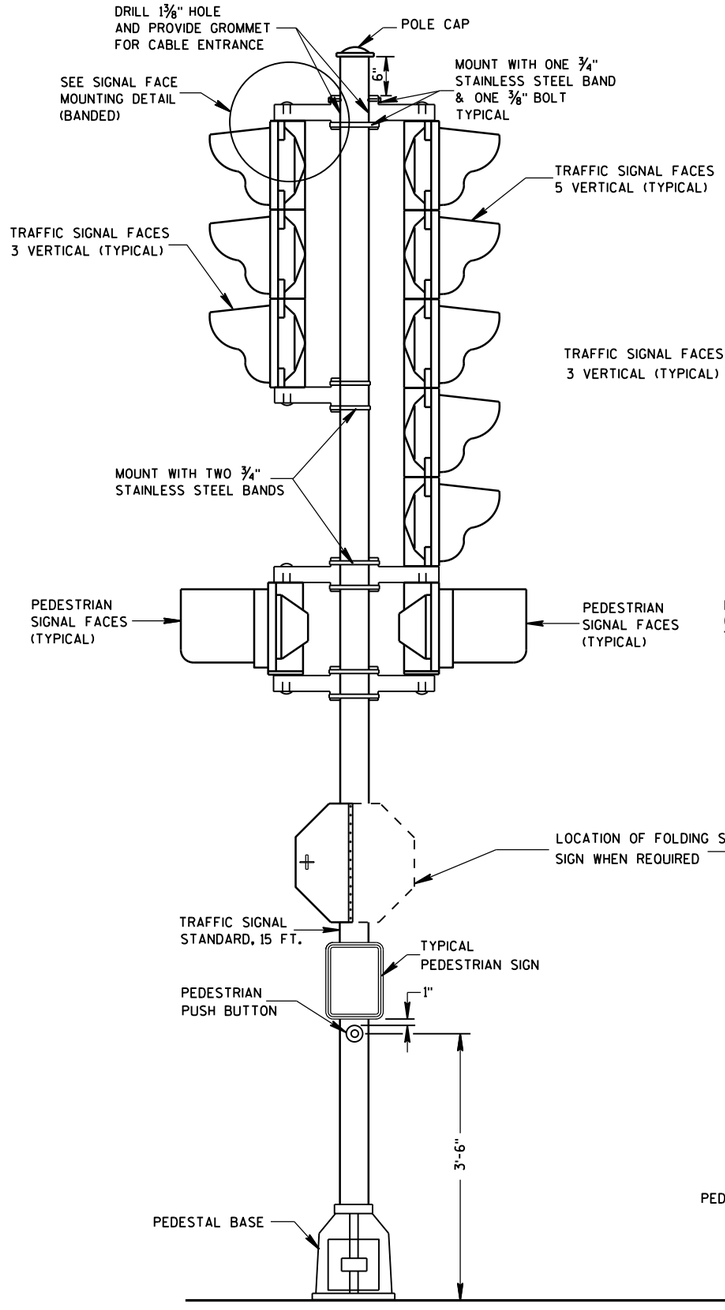
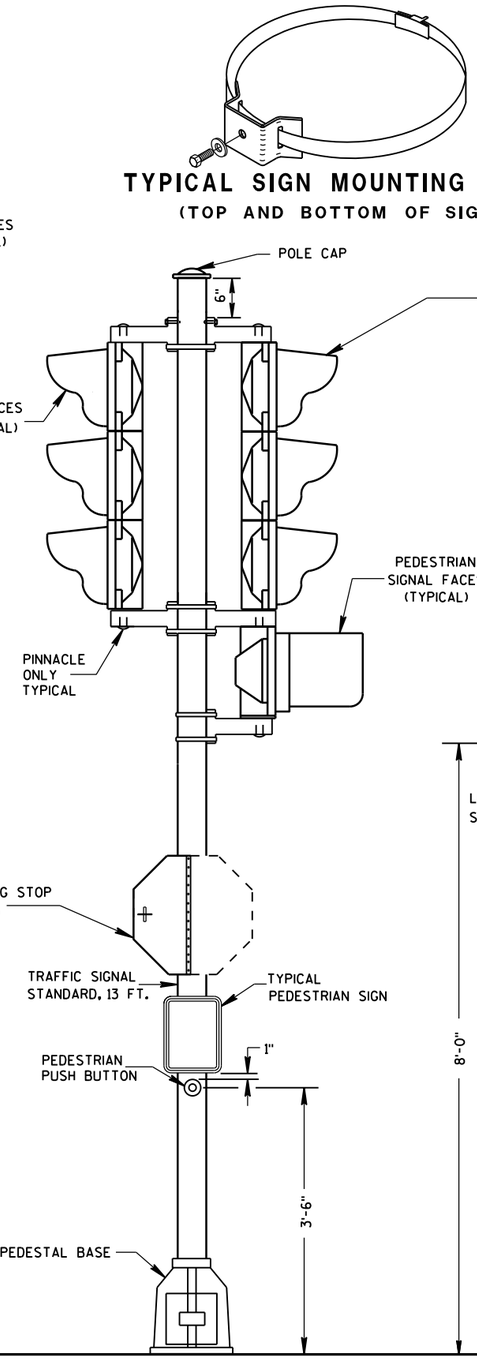
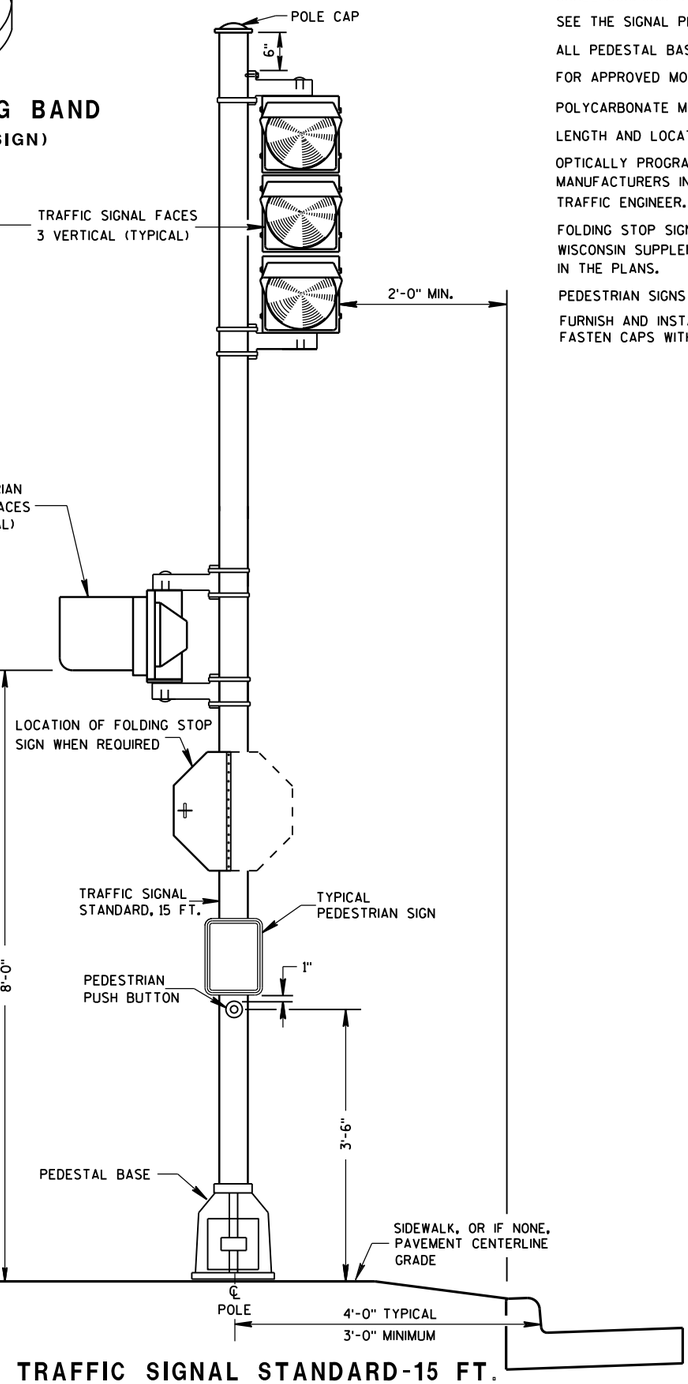


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

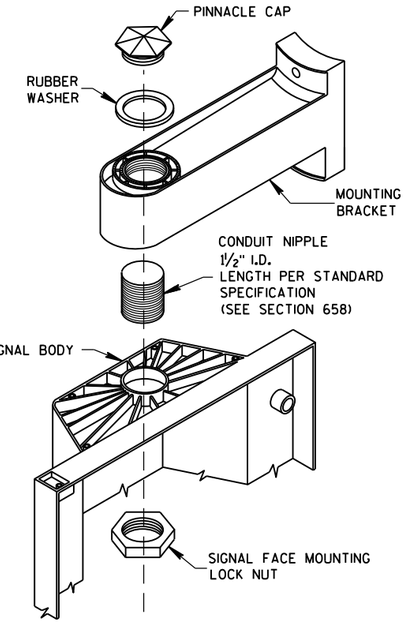
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD
POLY BRACKET MOUNTINGS
(TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 393
FHWA

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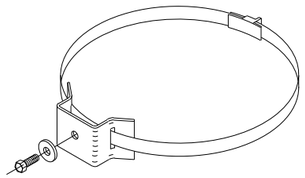
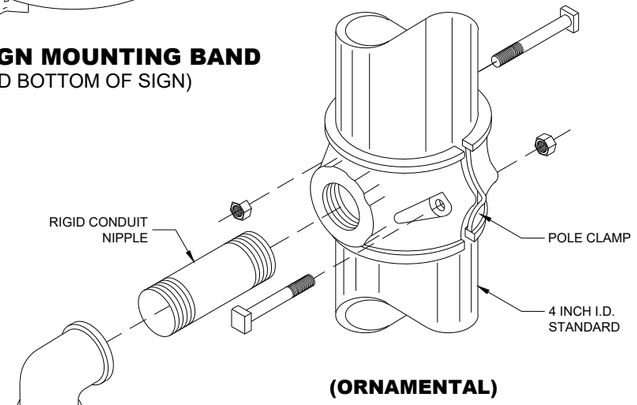
S.D.D. 9 E 6-5



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



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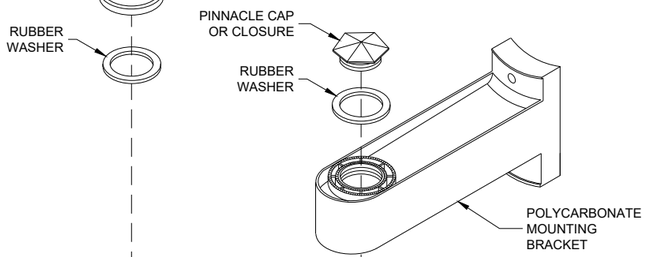
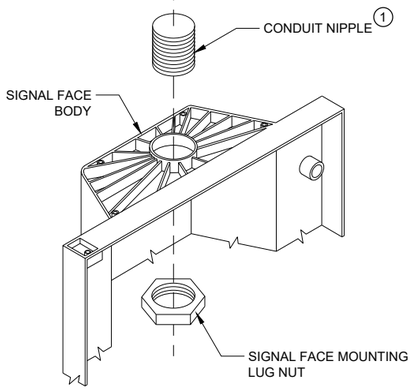
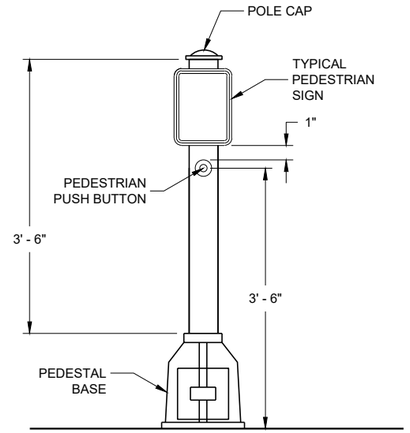


(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

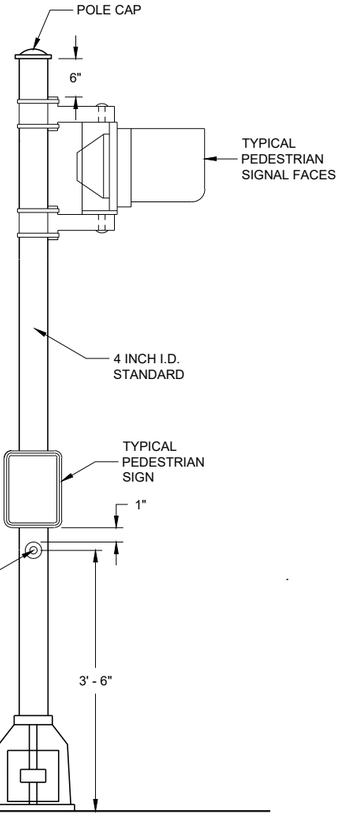
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

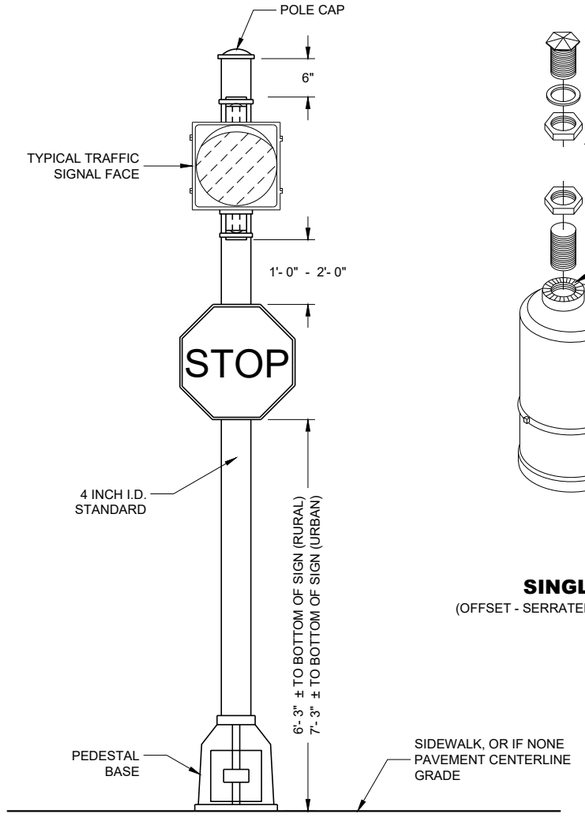
MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

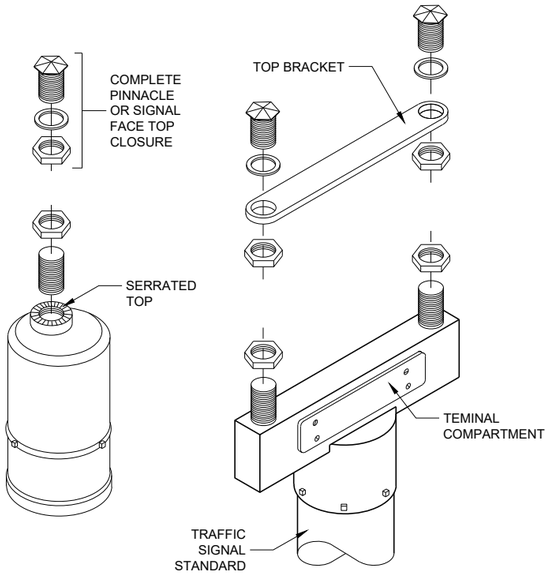
FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.





STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 394

FHWA

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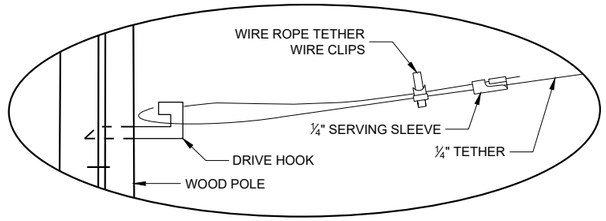
SDD 09E07 - 06

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

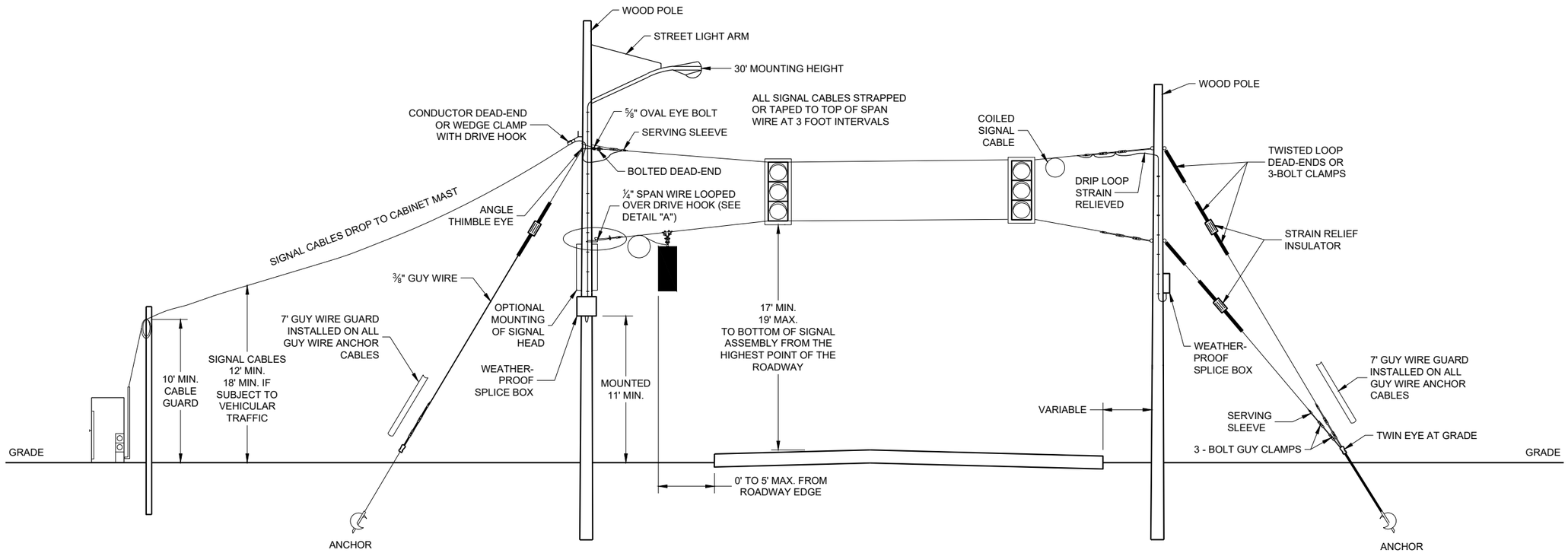


DETAIL "A"

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 395

FHWA

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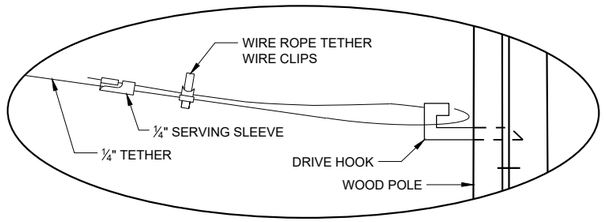
SDD09G01 - 04a

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



DETAIL "A"

GENERAL NOTES

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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
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.
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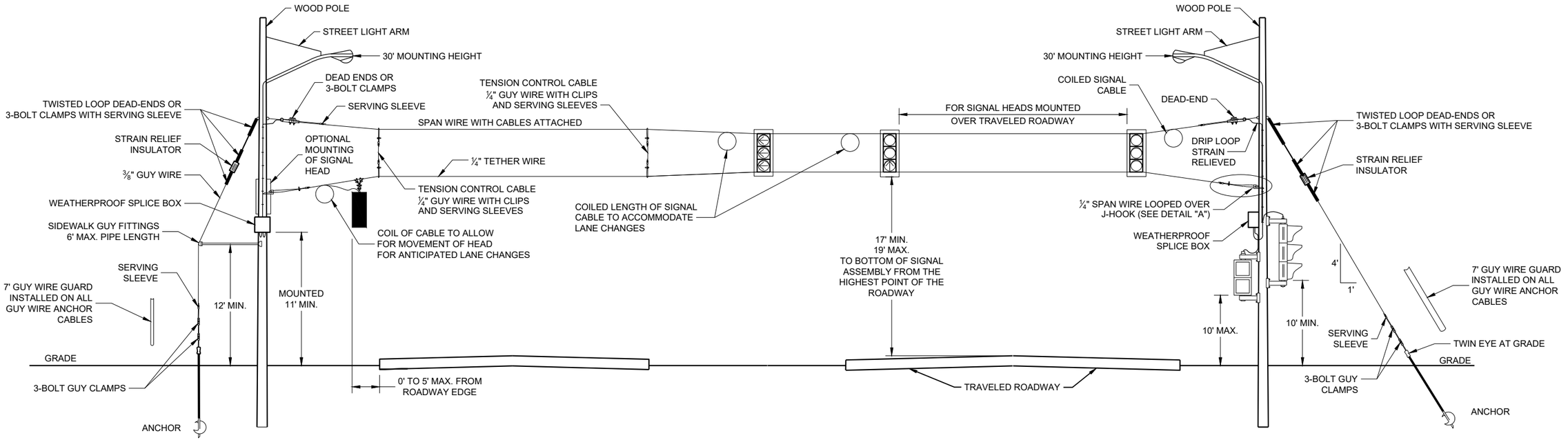

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 396
FHWA

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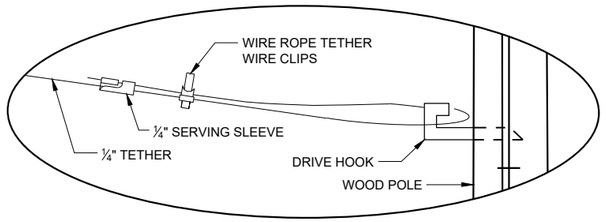
SDD09G01 - 04b

6

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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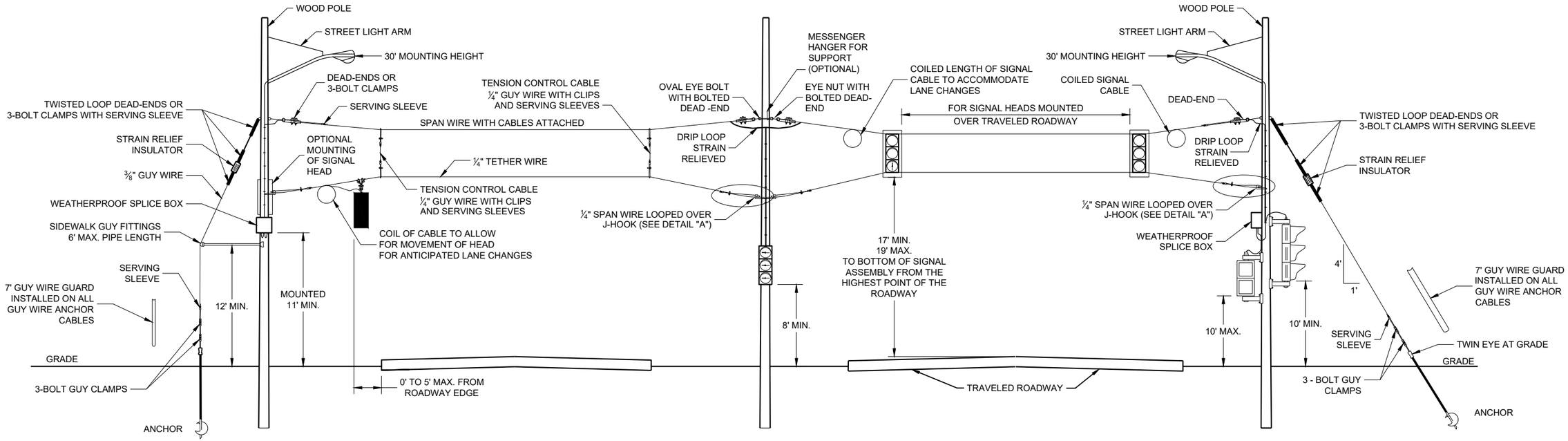

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

FHWA

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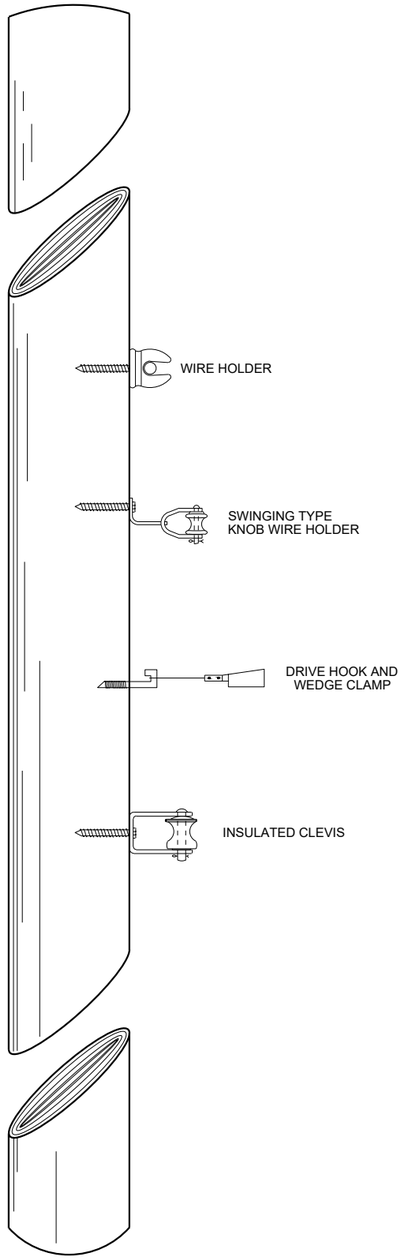
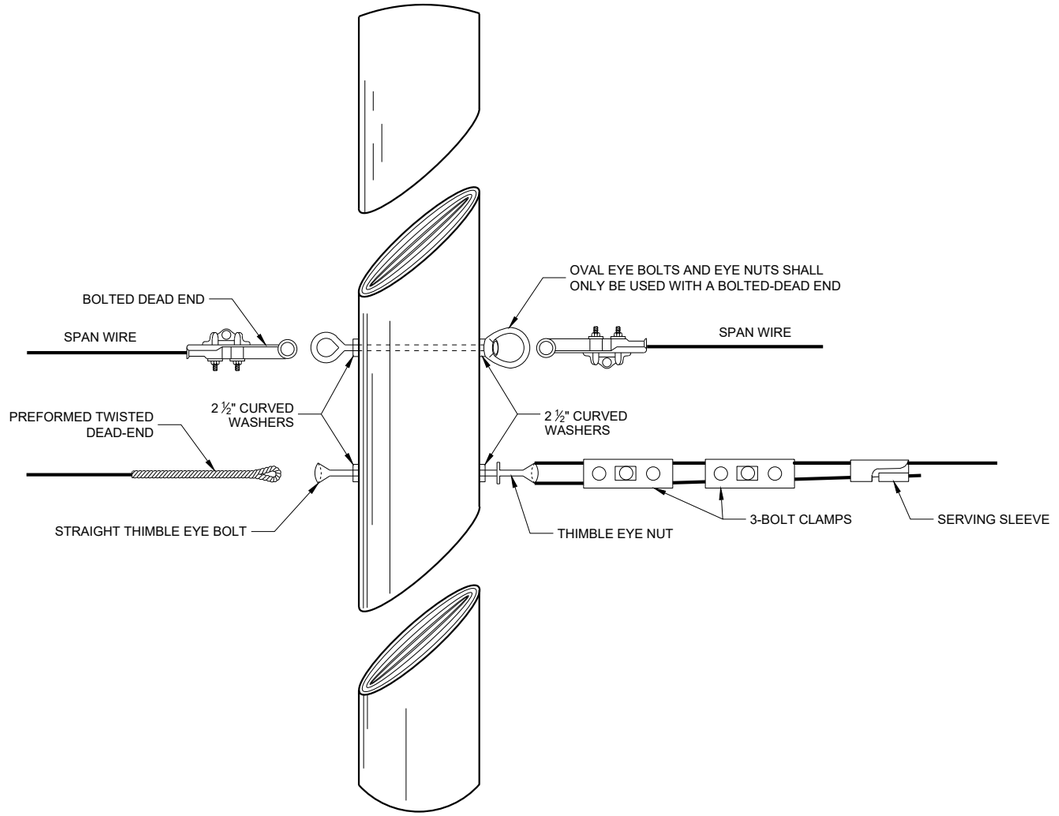
SDD09G01 - 04c





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SDD 09G01 - 4d

SDD 09G01 - 4d

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

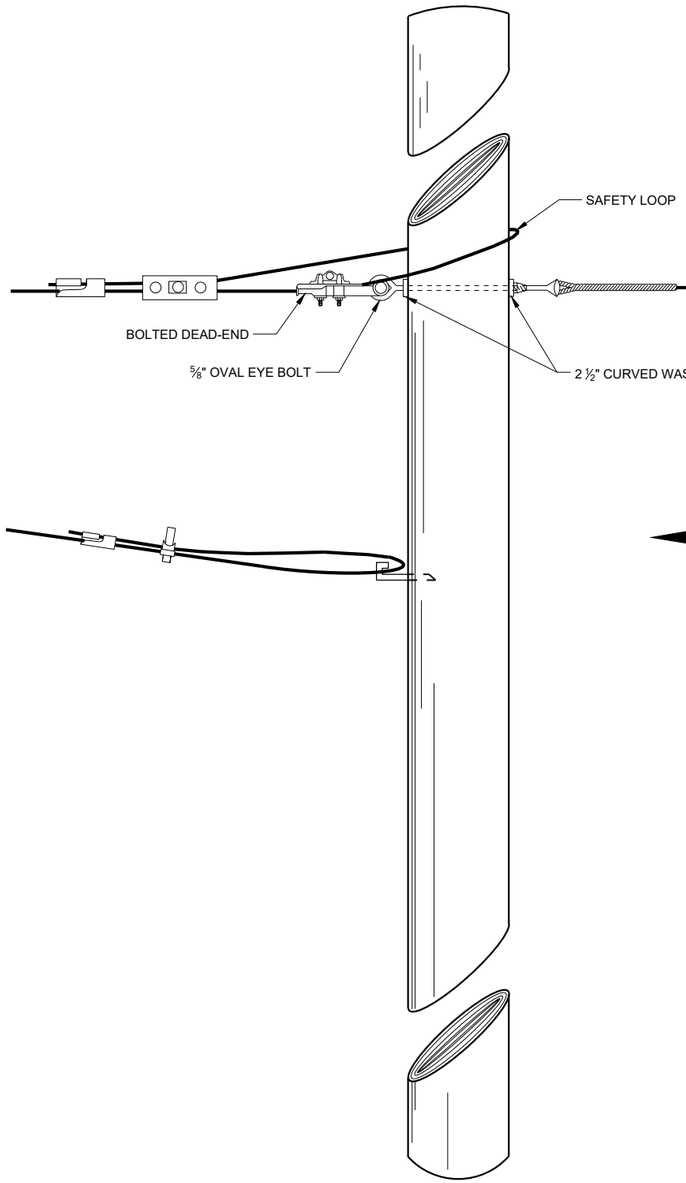
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

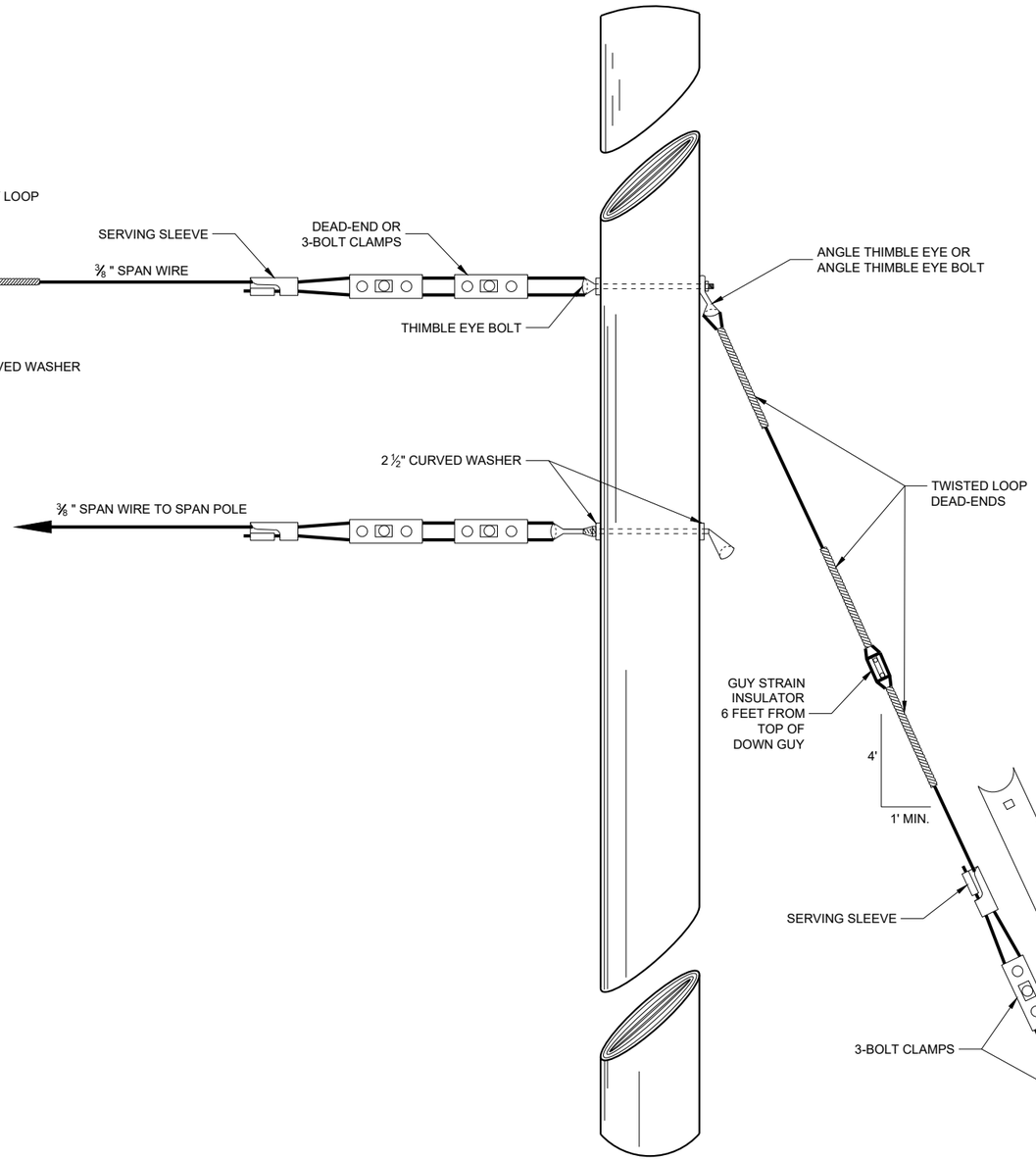
FHWA

GENERAL NOTES

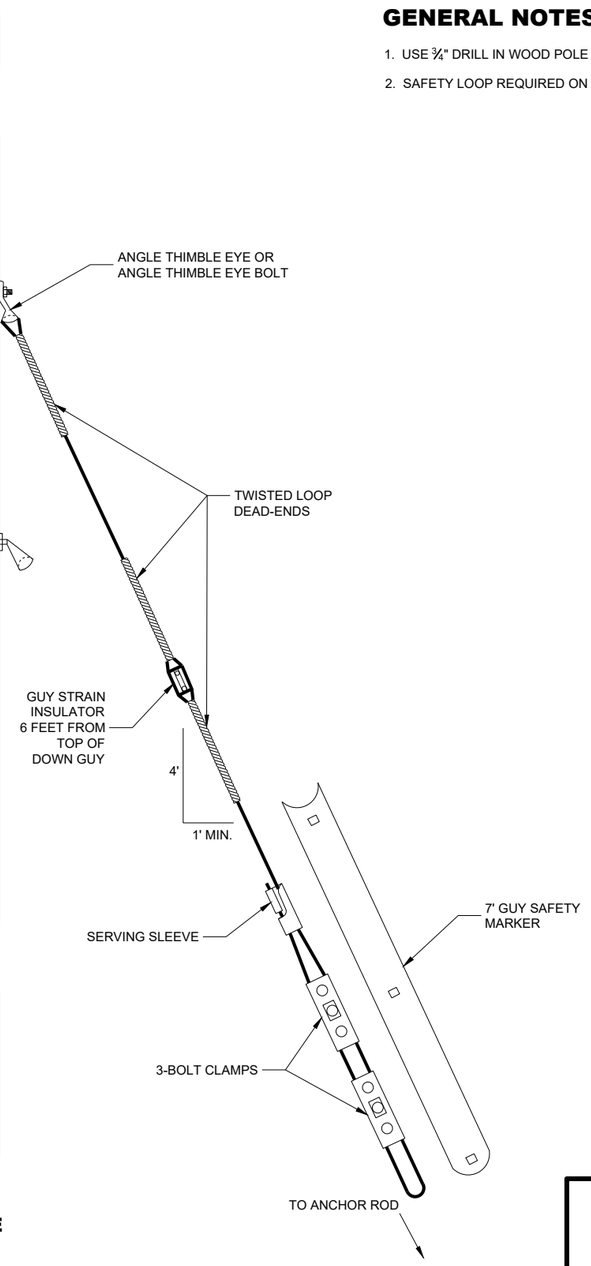
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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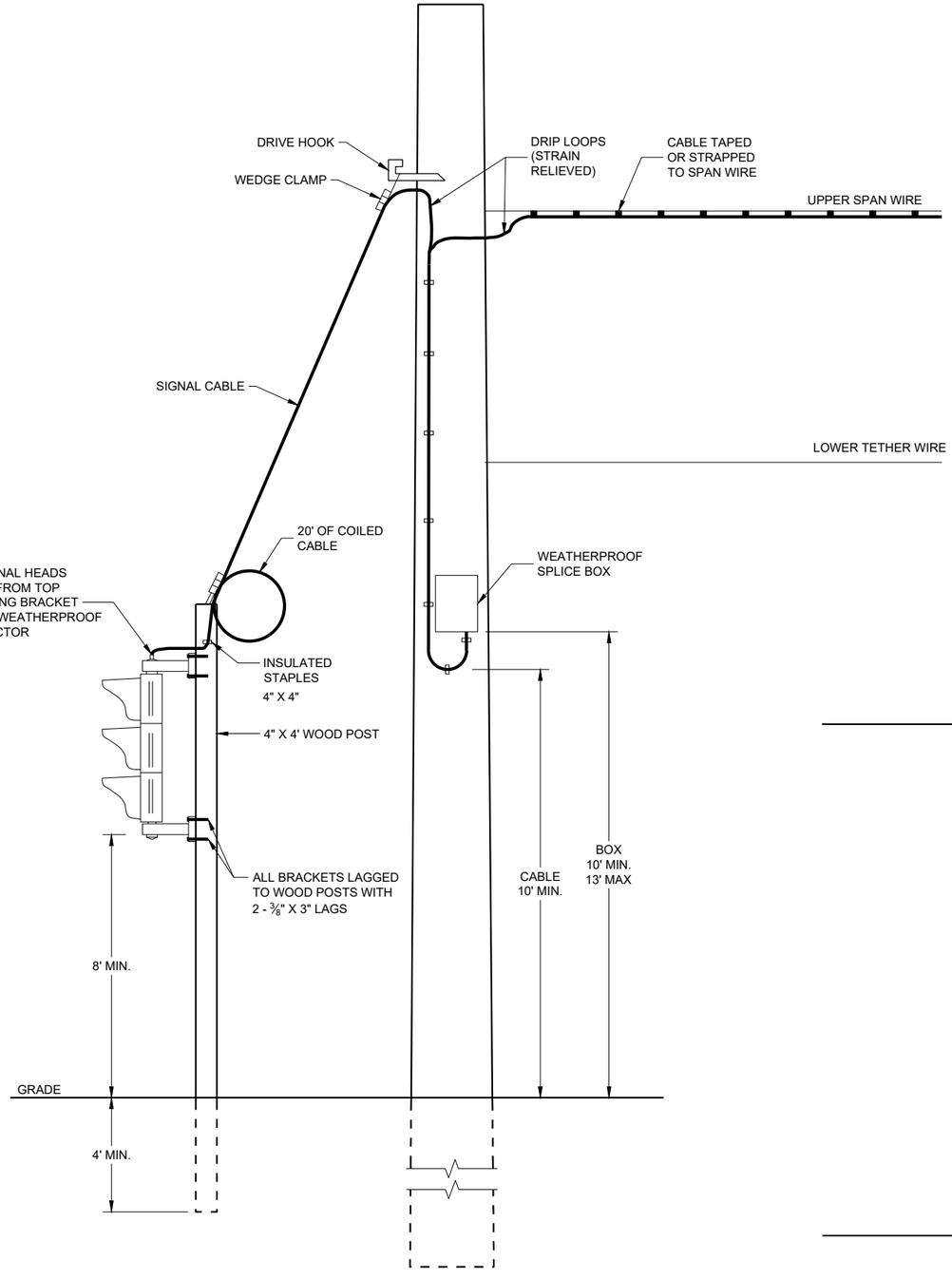
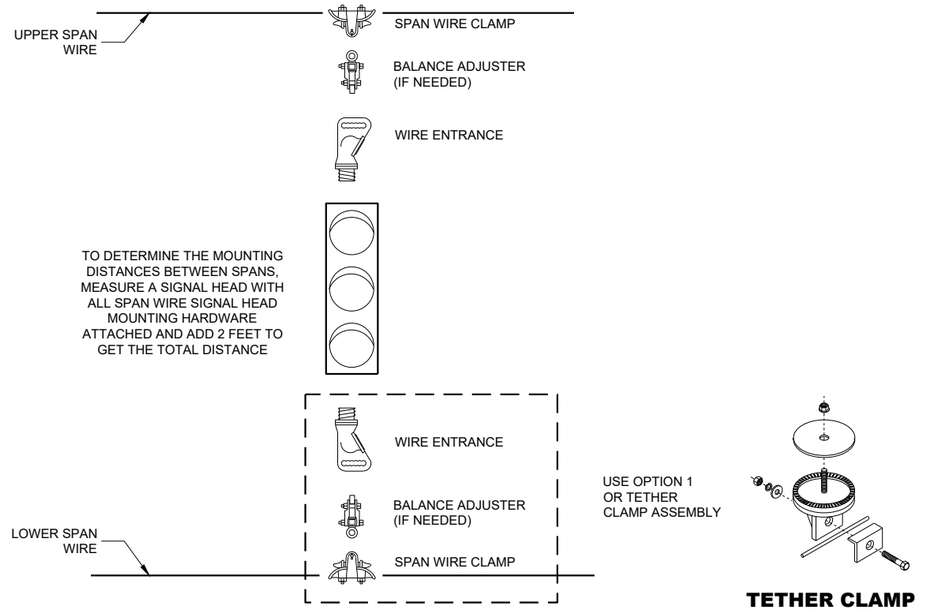
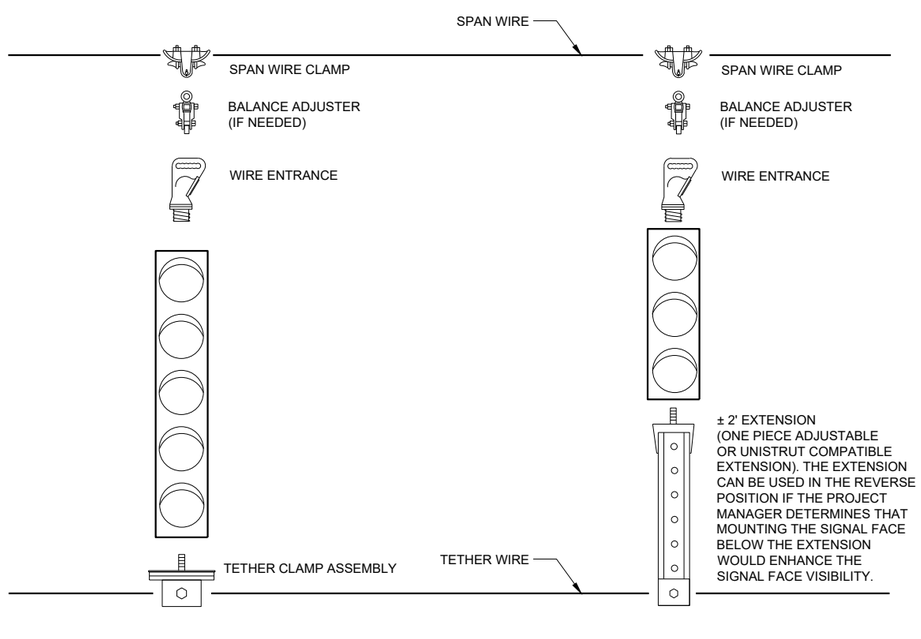
SDD 09G01 - 4e



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

400

FHWA

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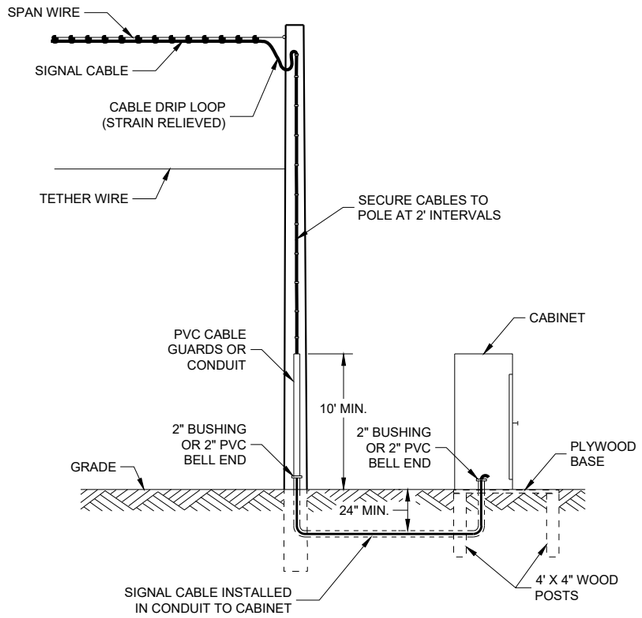
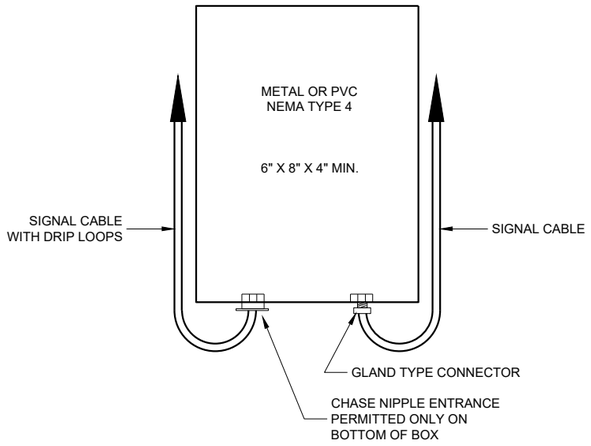
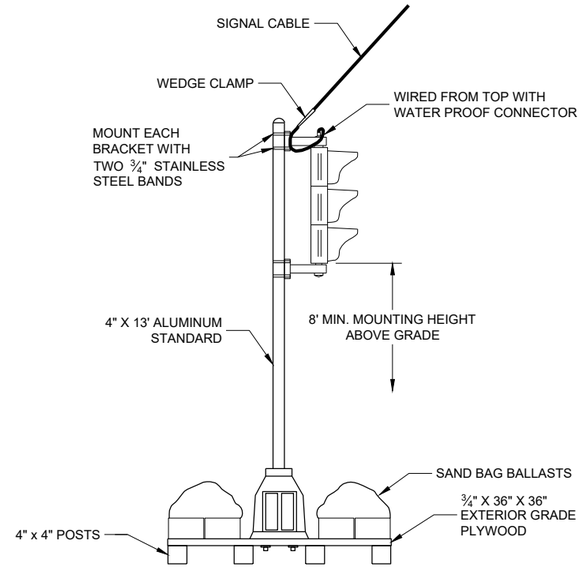
SDD 09G01 - 4f

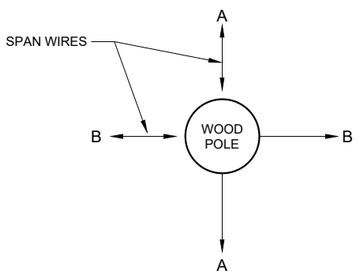




SPLICE BOX

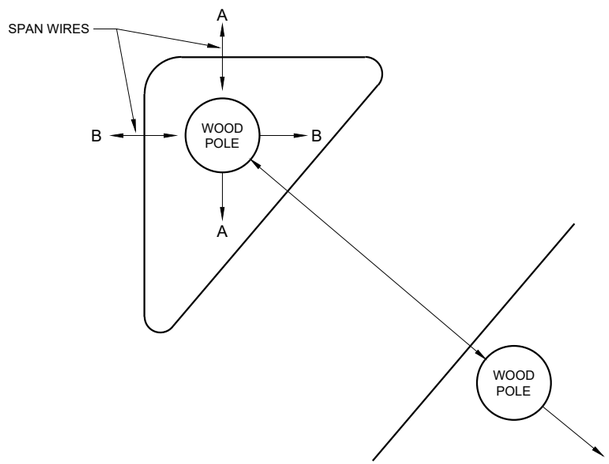


TYPICAL SKID TYPE TEMPORARY

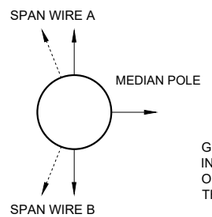


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

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

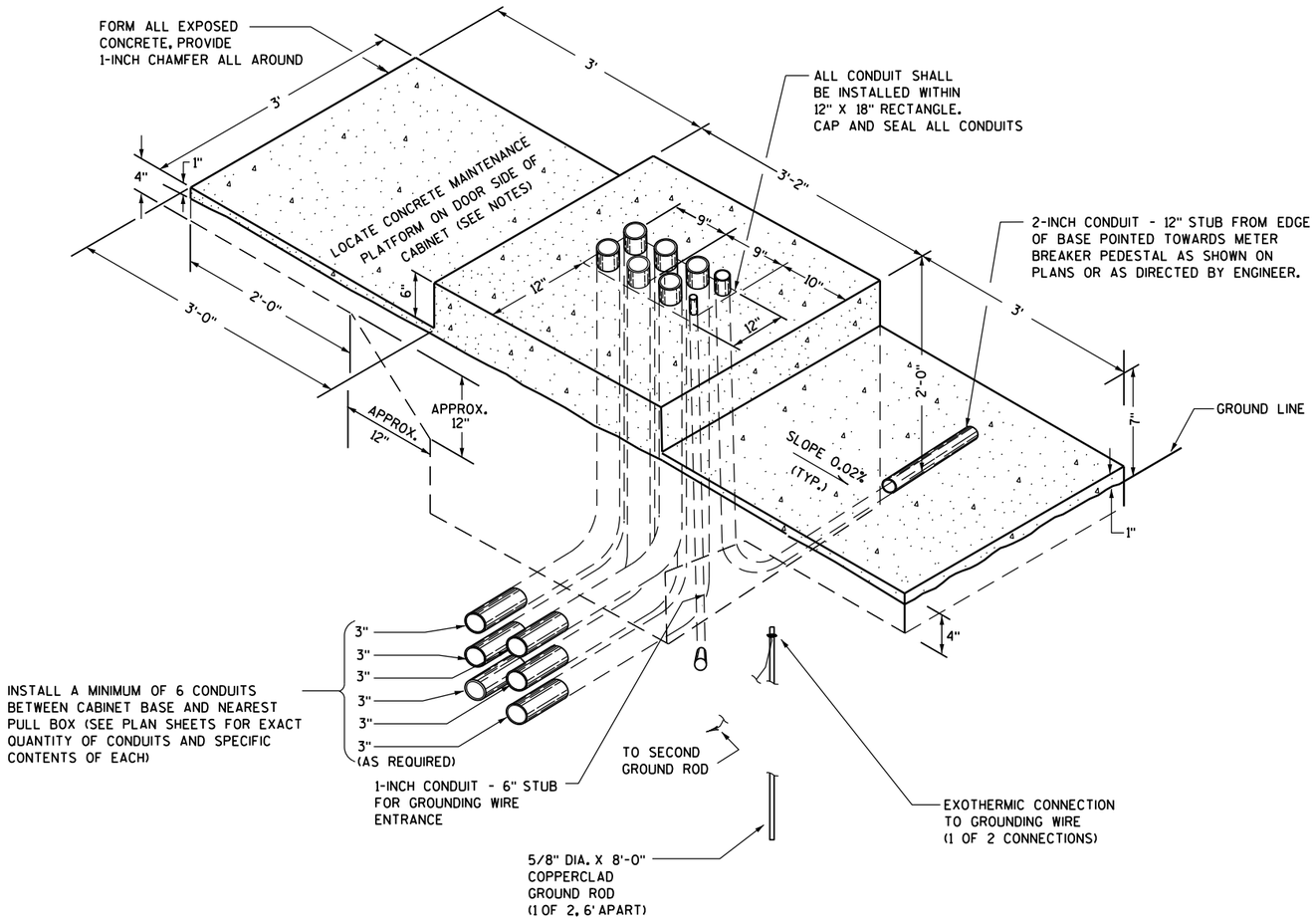
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 09G01 - 4g



BASE ITS CONTROLLER CABINET

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 3-INCHES.

DEPTH OF CONDUIT SHALL BE 24-INCHES MINIMUM AND 36-INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROLLER CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL. PRIOR TO CABINET INSTALLATION. LEVELING OF TOP SURFACES AFTER CONCRETE BASE HAS CURED SHALL ONLY BE ACCOMPLISHED BY GRINDING.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X 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 NONMETALLIC 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 NONMETALLIC, IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS PLACED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6-INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

ALL METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE BUSHINGS IF WIRE IS INSTALLED.

ALL NONMETALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE END BELLS IF WIRE IS INSTALLED.

ANCHOR THE CABINET WITH FOUR 1/2-INCH X 4-INCH MECHANICAL WEDGES OR EPOXY STAINLESS STEEL MASONRY ANCHORS WITH A MINIMUM PULLOUT STRENGTH OF 9000 POUNDS.

6

S.D.D. 9 H 1-1

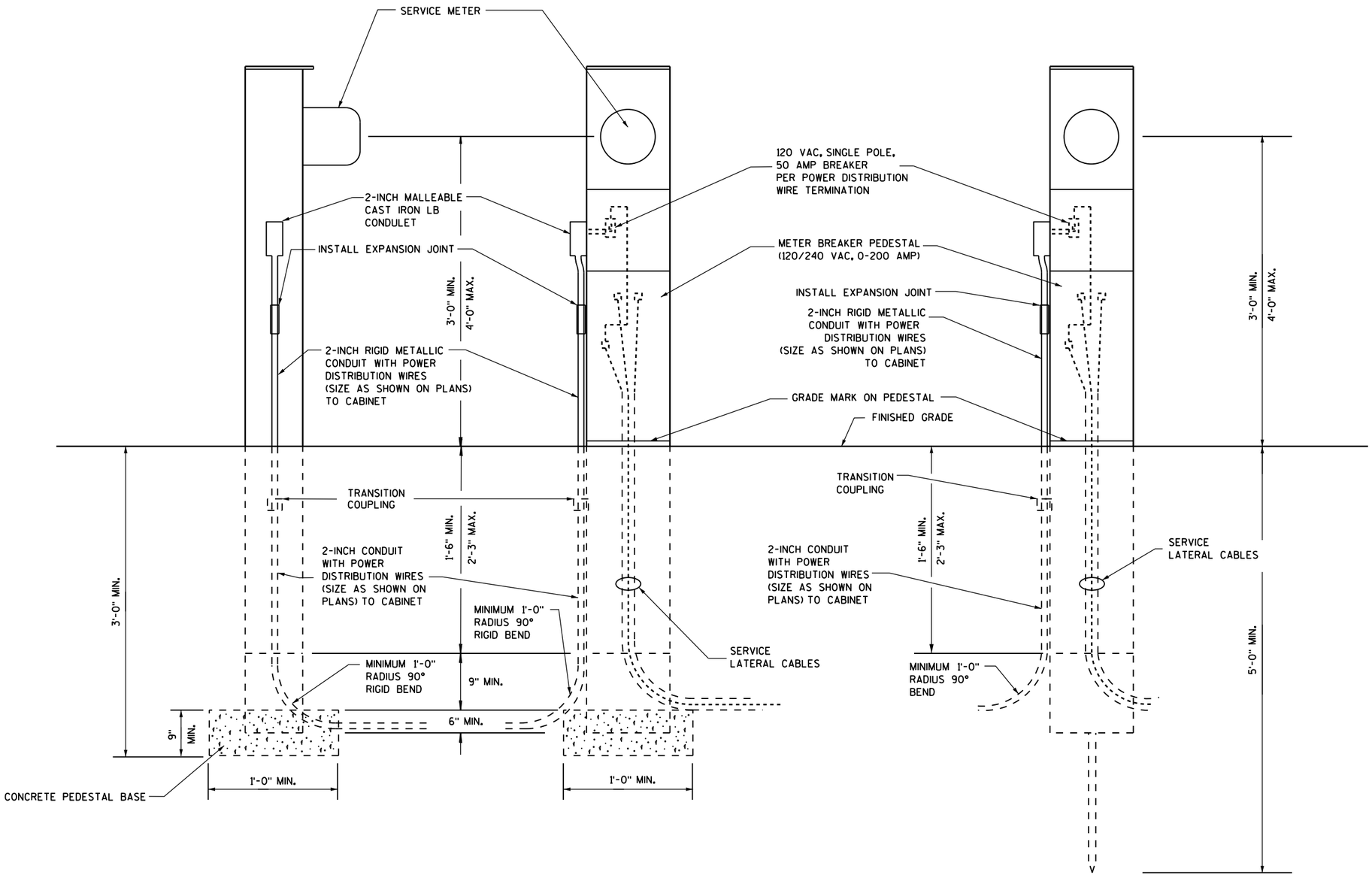
BASE ITS
CONTROLLER CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

6

S.D.D. 9 H 1-1



2 CIRCUIT METER BREAKER PEDESTAL

ALTERNATE SUPPORTING STAKE

(IF APPROVED BY UTILITY)

6

S.D.D. 9 H 3-1

2 CIRCUIT
METER BREAKER PEDESTAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

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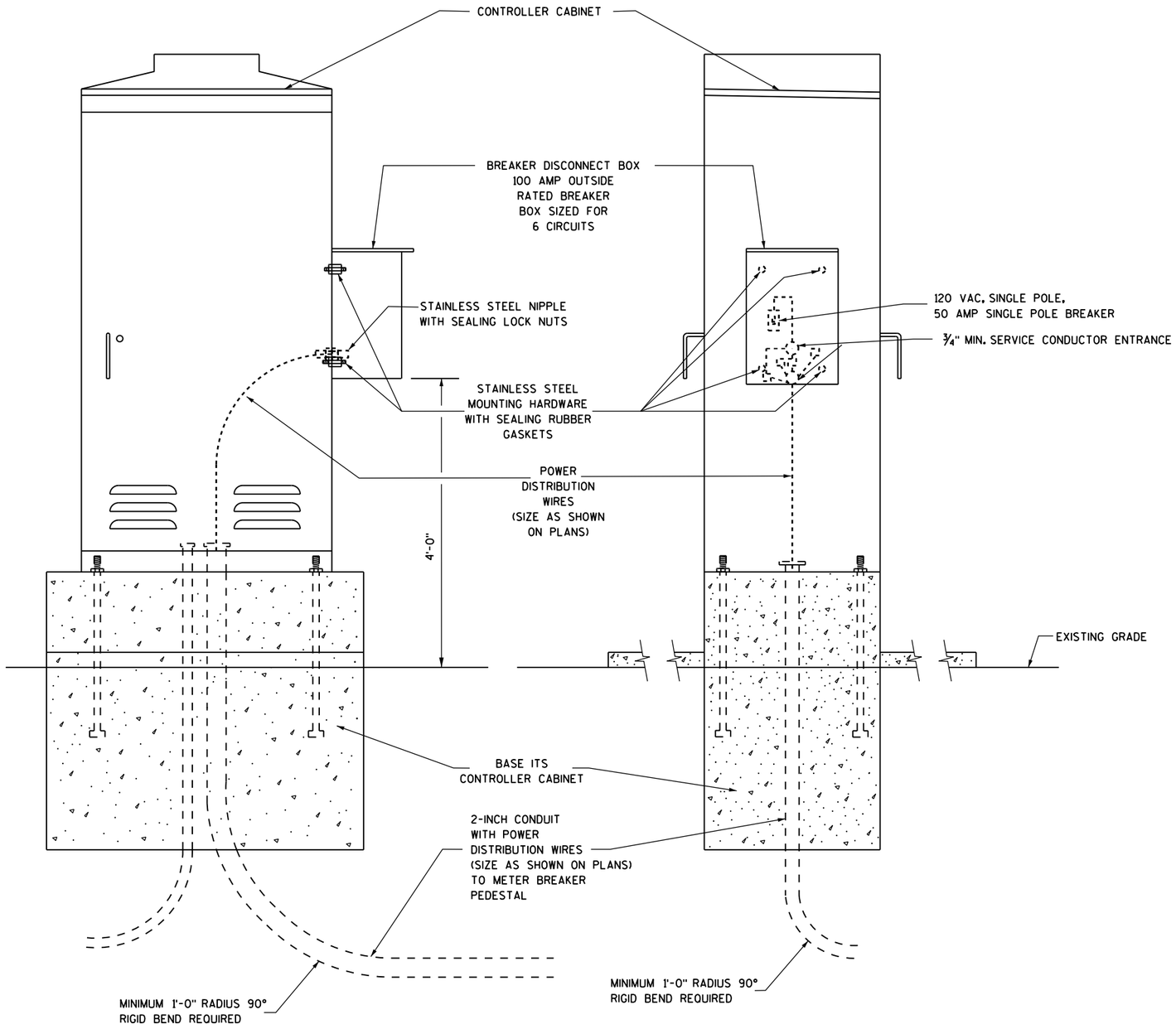
S.D.D. 9 H 3-1



CABINET BREAKER DISCONNECT BOX INSTALLATION

GENERAL NOTES

MINIMUM REQUIREMENT SHOWN. ADDITIONAL BREAKERS MAY BE REQUIRED.

UP TO THREE BREAKERS WILL BE CONSIDERED INCIDENTAL TO THE ITEM BREAKER DISCONNECT BOX.

CABINET BREAKER DISCONNECT BOX INSTALLATION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Sept. 2014 DATE FHWA	/S/ Ahmet Demirbilek STATE ELECTRICAL

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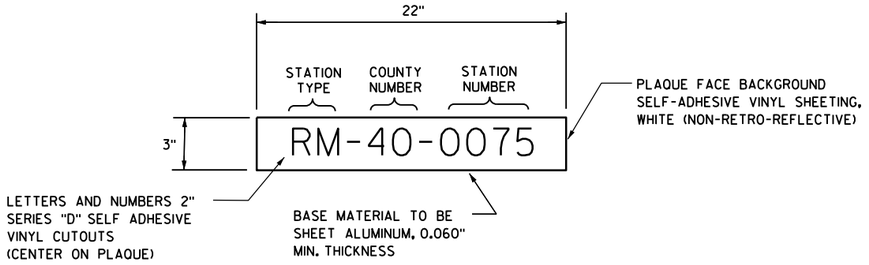
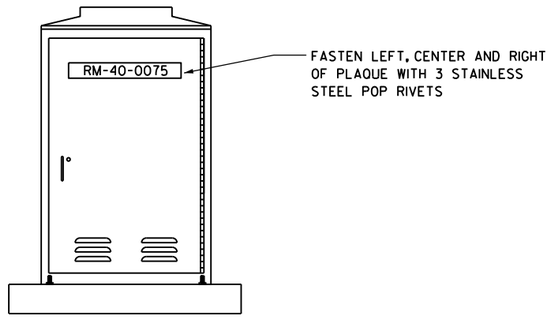
S.D.D. 9 H 5-1

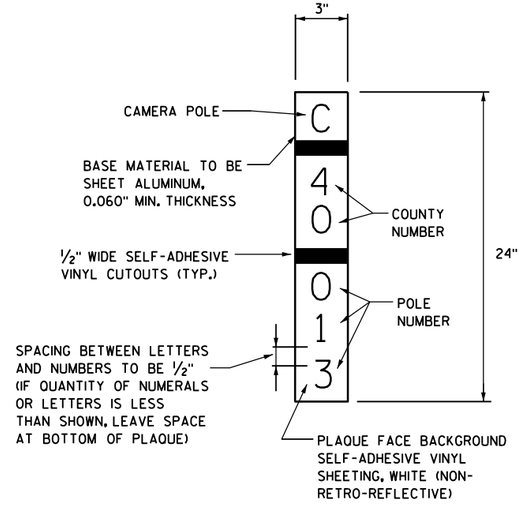


CONTROL CABINET IDENTIFICATION PLAQUE DETAIL

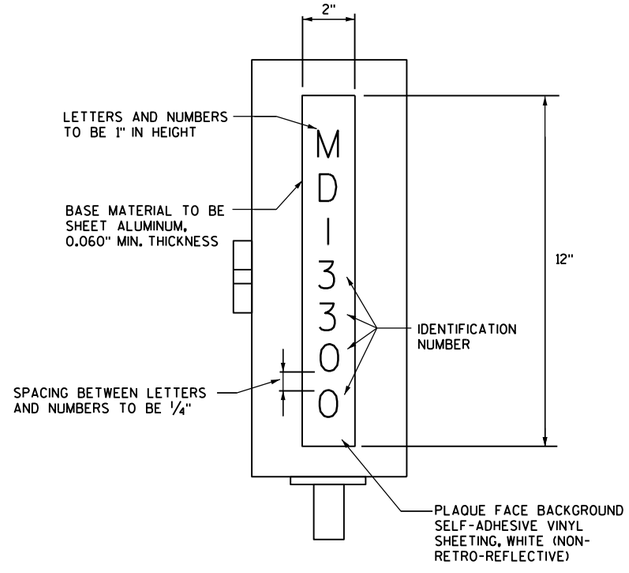


CONTROL CABINET IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

(TYPICAL ALL CONTROL CABINETS)



POLE IDENTIFICATION PLAQUE DETAIL



MICROWAVE DETECTOR FIELD CABINET IDENTIFICATION PLAQUE DETAIL

GENERAL NOTES

1. TWO PLAQUES PER CABINET REQUIRED ON CONTROL CABINET.
2. FASTEN ONE PLAQUE ON FRONT DOOR, UPPER HALF.
3. FASTEN ONE PLAQUE ON SIDE FACING LOCAL STREET. IF NO LOCAL STREET NEARBY, OR IF SUCH LOCATION COINCIDES WITH LOCATION OF PLAQUE IN NOTE (2), FASTEN PLAQUE ON REAR OF CABINET, UPPER HALF.
4. COUNTY NUMBER NOT REQUIRED ON RAMP METER CABINETS.

LEGEND STATION TYPE

RM - RAMP METER
CCTV - CLOSED CIRCUIT TELEVISION
ATR - AUTOMATIC TRAFFIC RECORDER
SDS - SYSTEM DETECTOR STATION
MD - MICROWAVE DETECTOR

IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demribilek — STATE ELECTRICAL
FHWA

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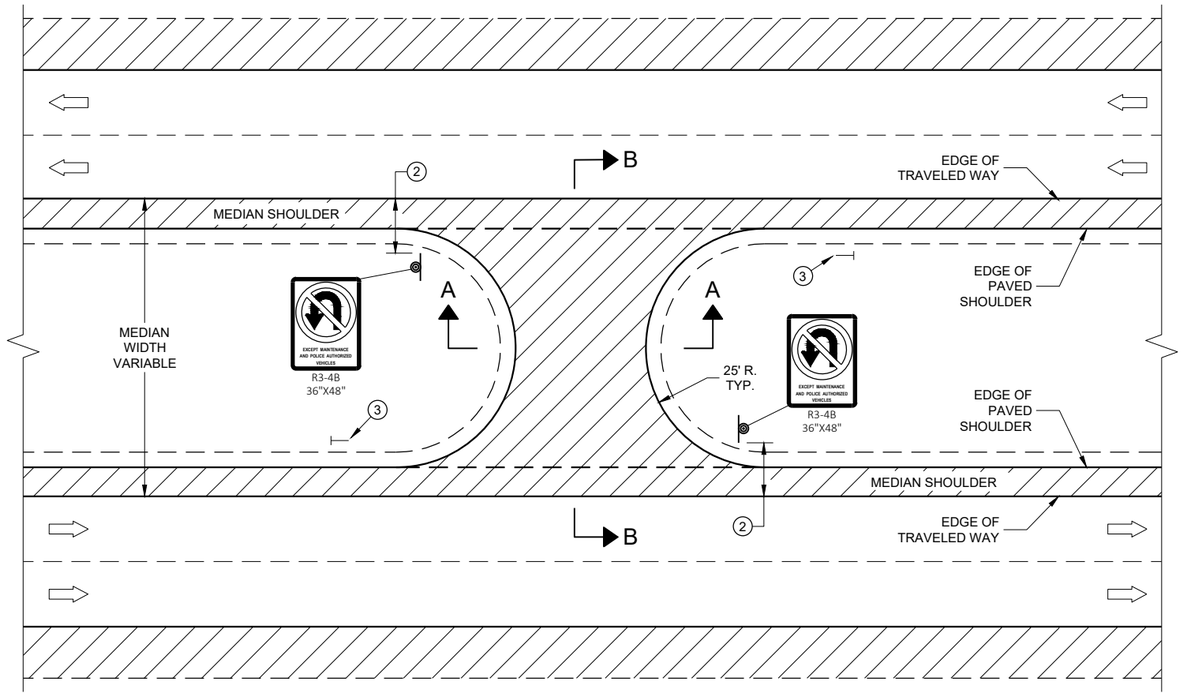
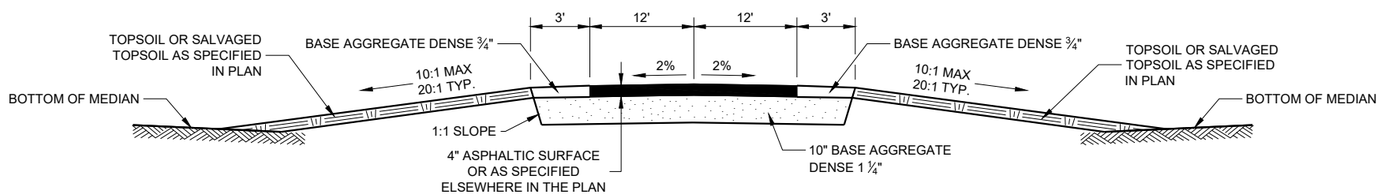
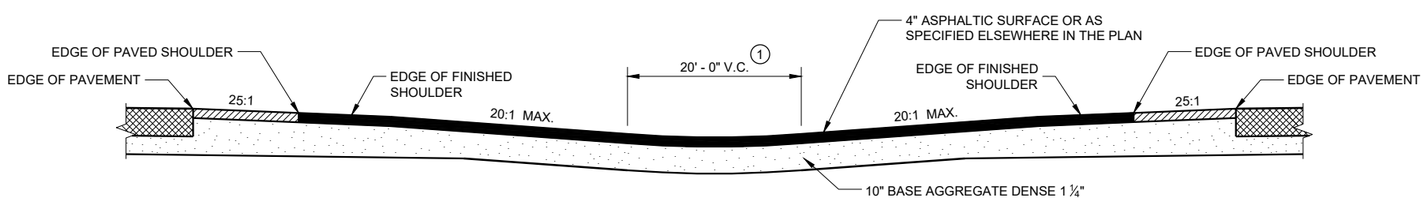
S.D.D. 9 H 11-1



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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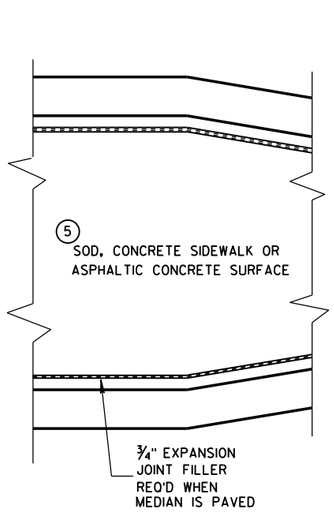
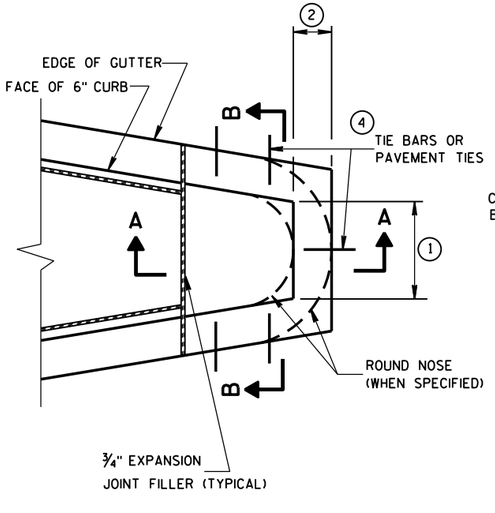
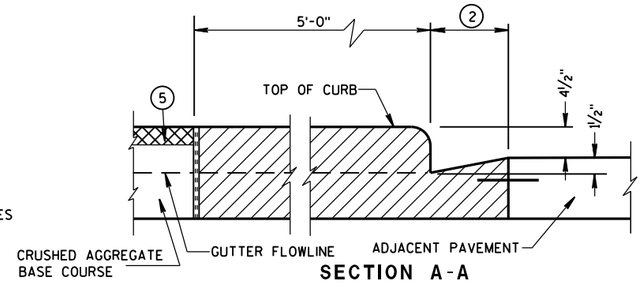
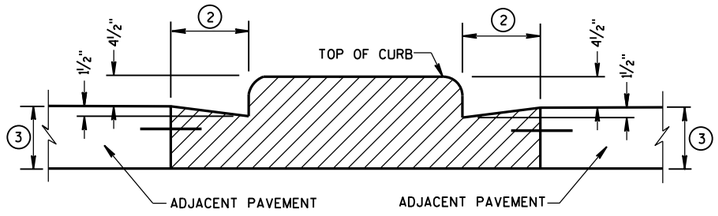
SDD 11A01 - 06







SECTION A-A



SECTION B-B

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.

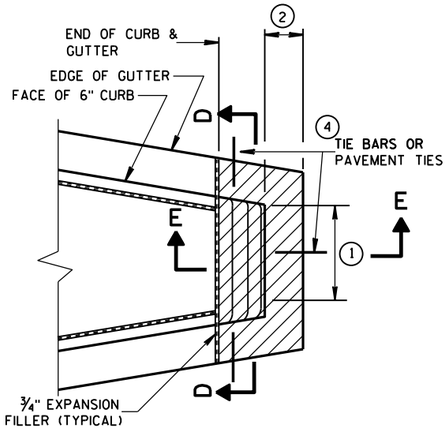
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

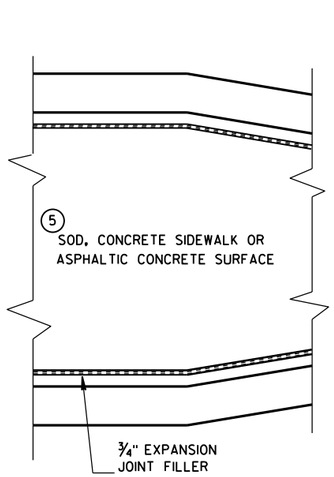
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

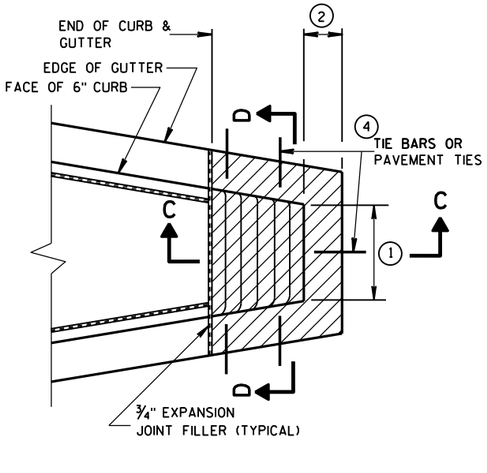
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

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.

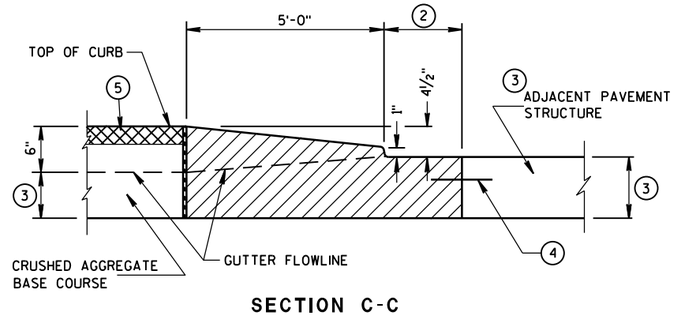
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



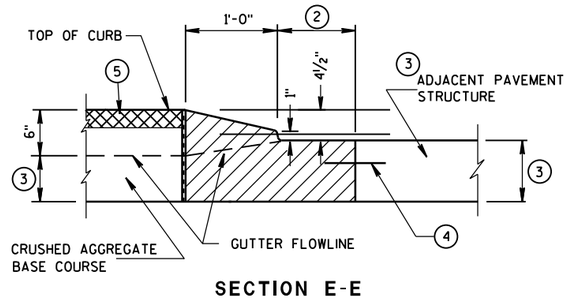




CONCRETE MEDIAN SLOPED NOSE TYPE 1

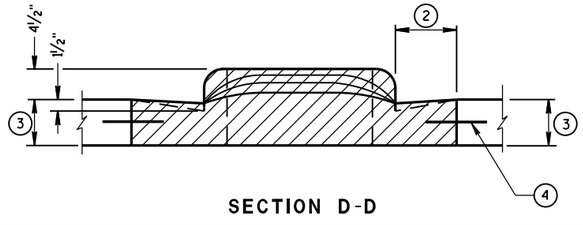


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

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S.D.D. 11 B 2-2

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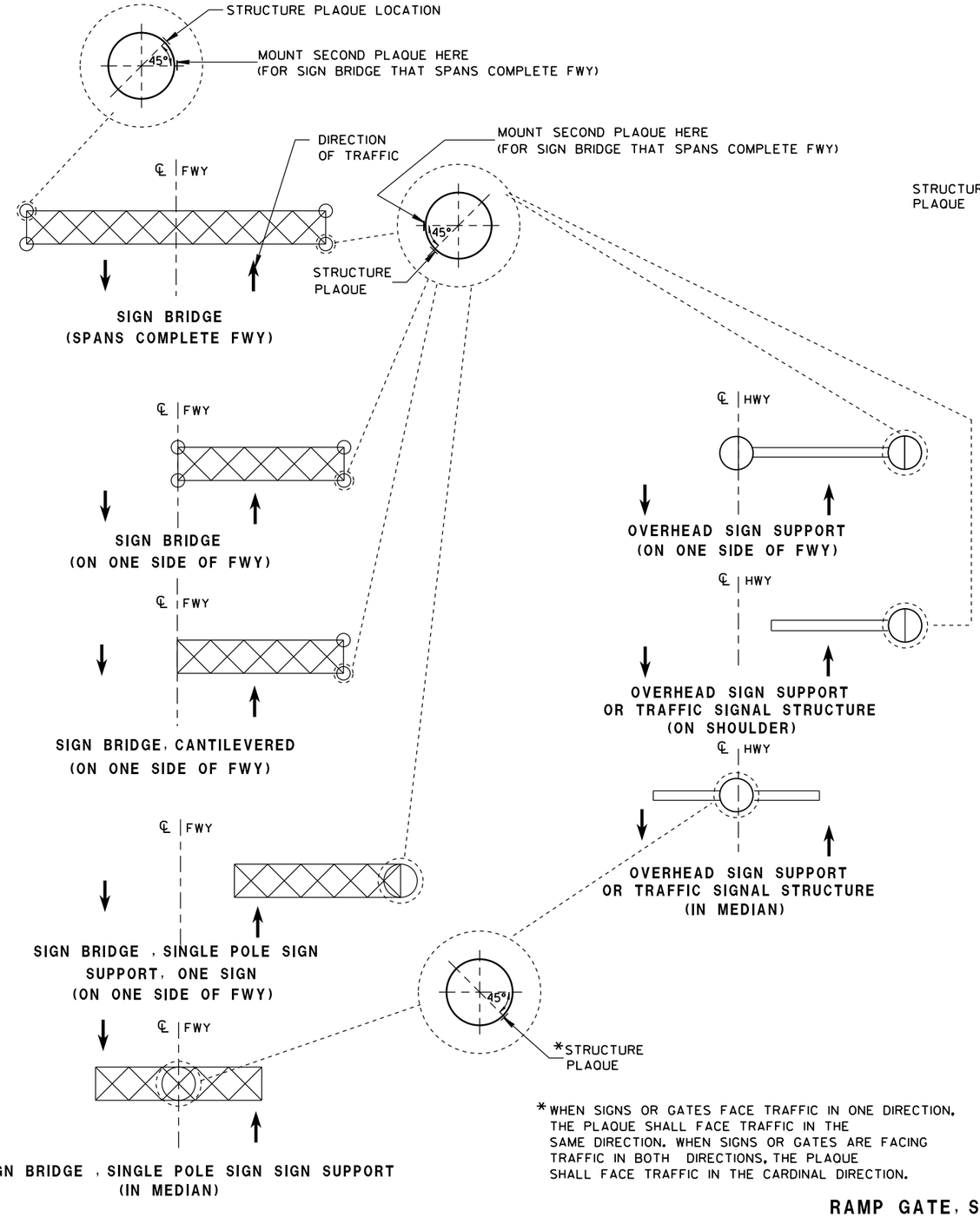
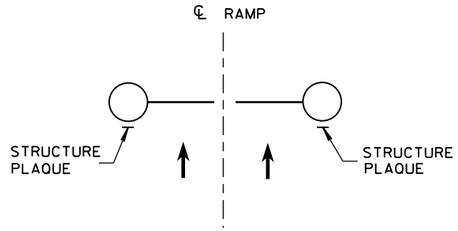
S.D.D. 11 B 2-2

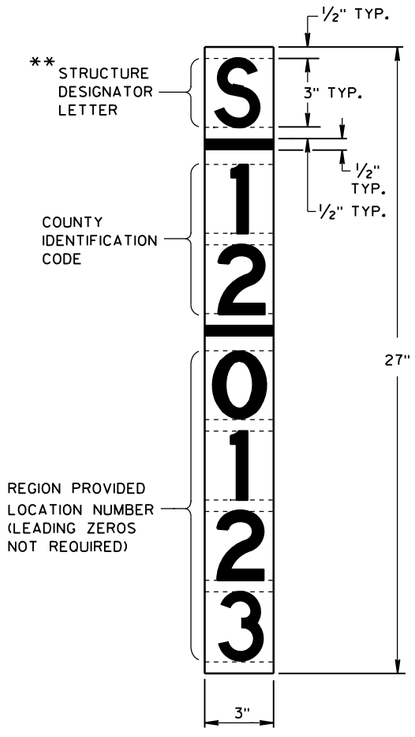


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

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.

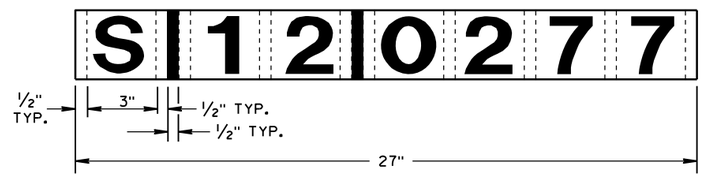
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

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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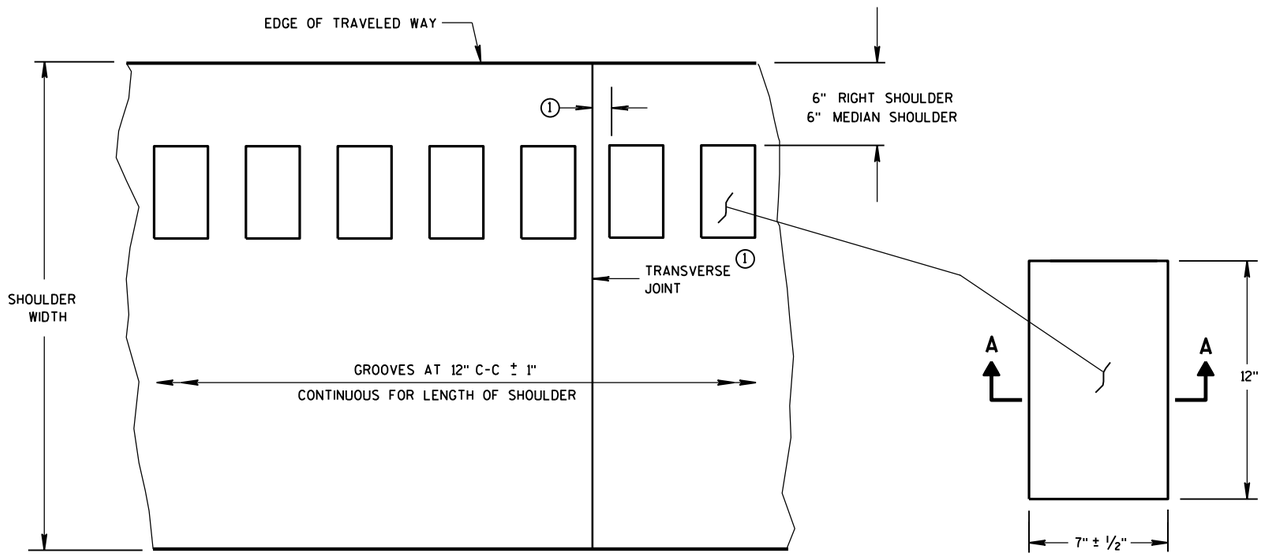
S.D.D. 12 A 4-3



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

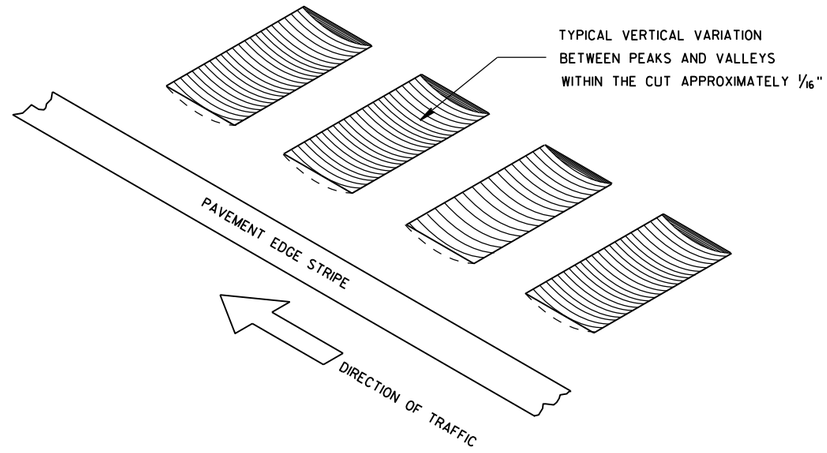
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

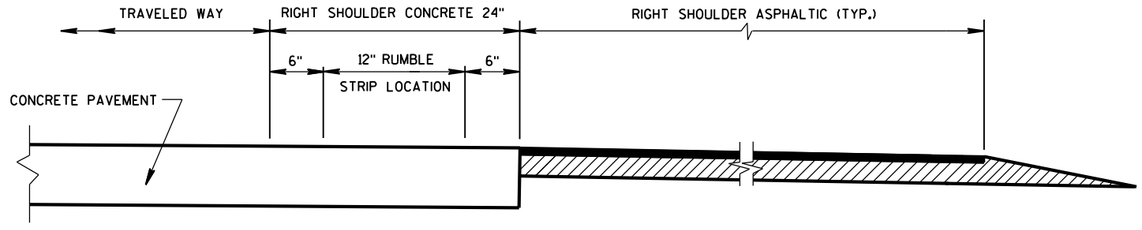
RUMBLE STRIPS ON EXPRESSWAYS

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.

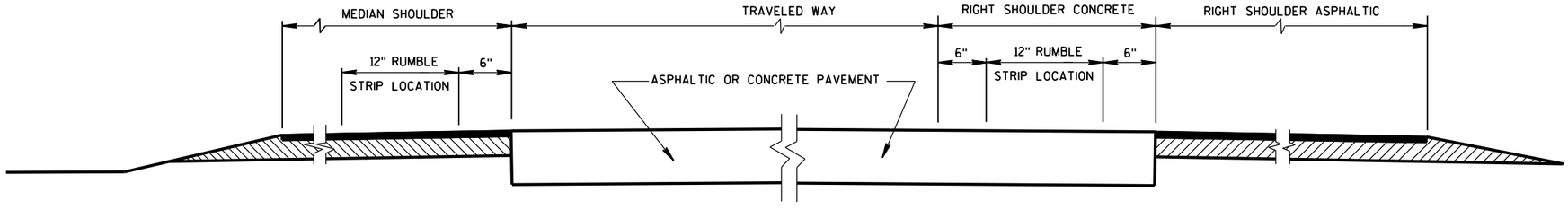
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



ISOMETRIC



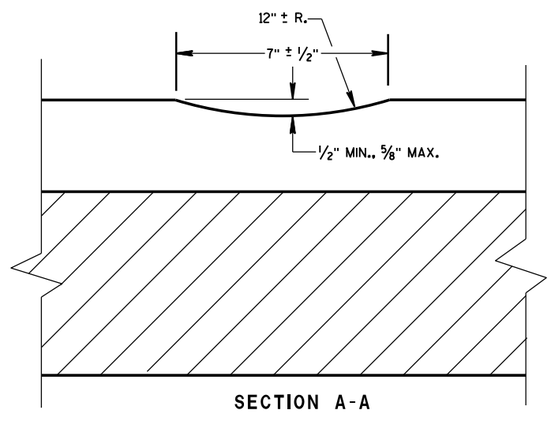
SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)



SECTION A-A

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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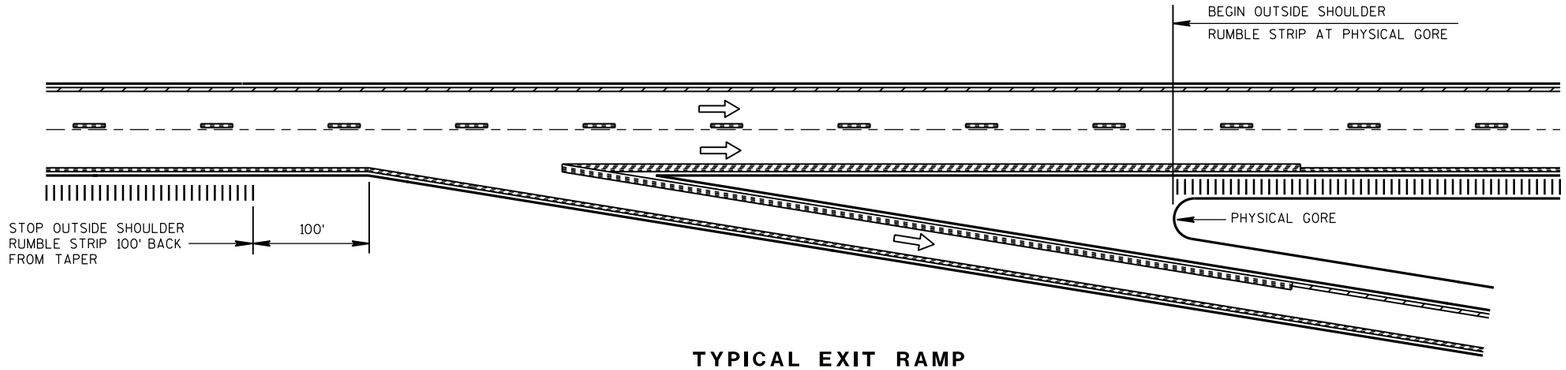
S.D.D. 13 A 5-5a



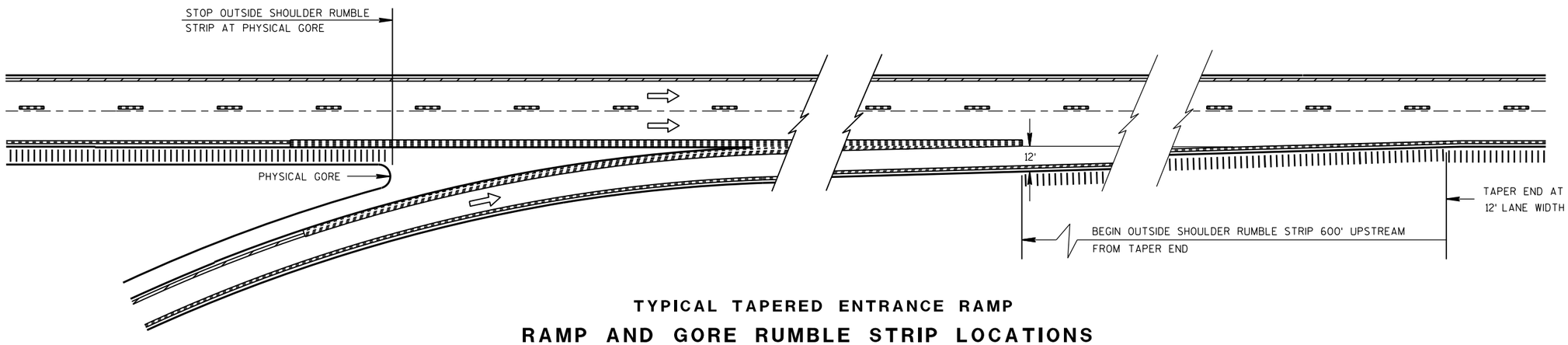
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

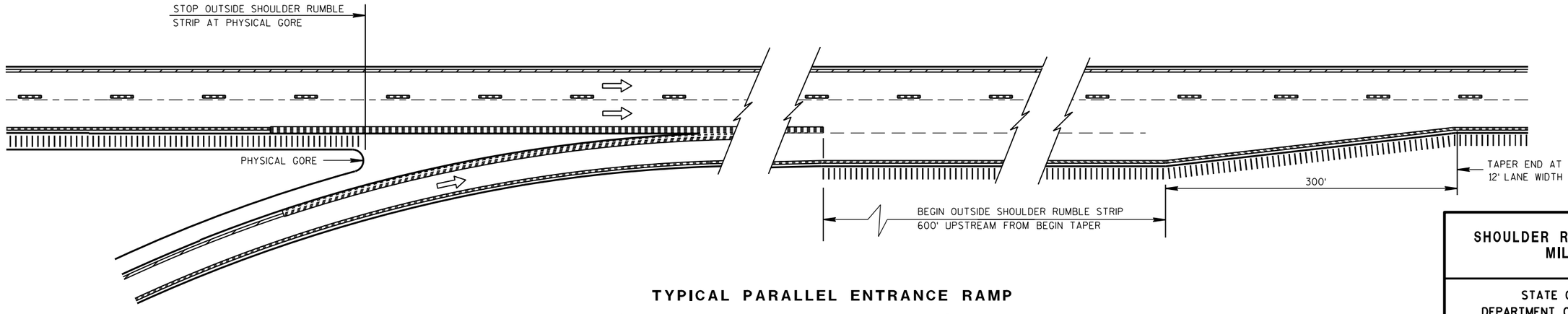
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

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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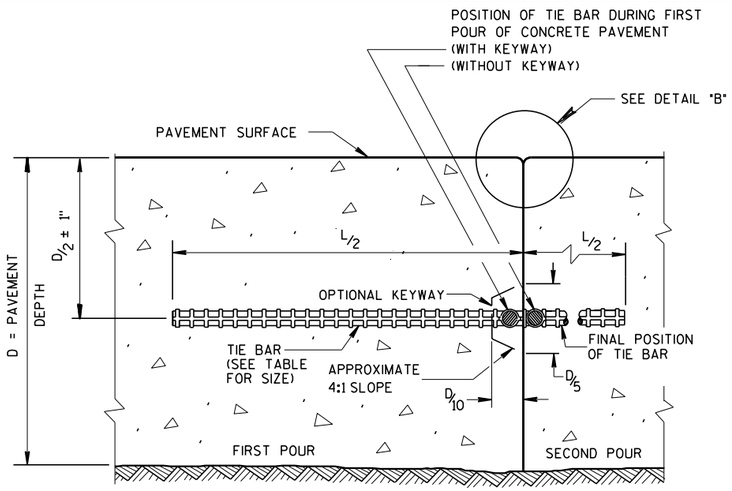
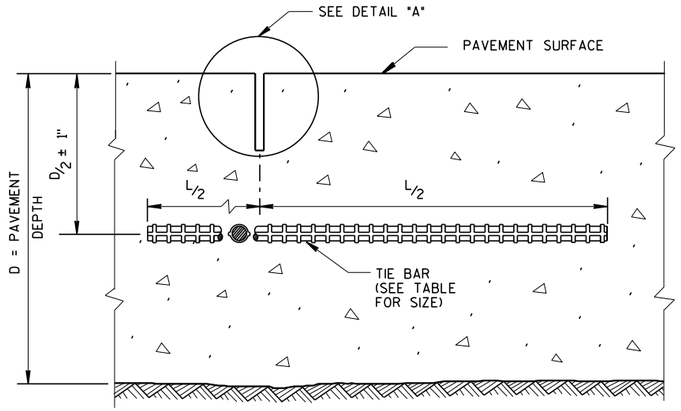
S.D.D. 13 A 5-5b



CONSTRUCTION JOINT



SAWED JOINT

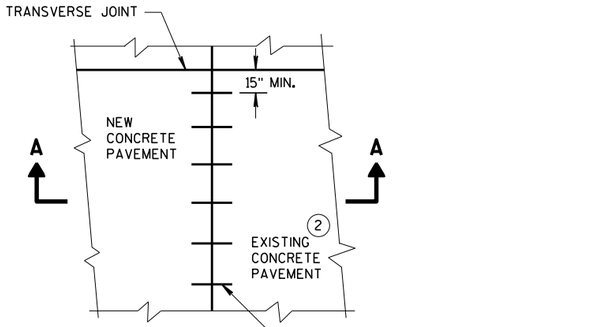
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

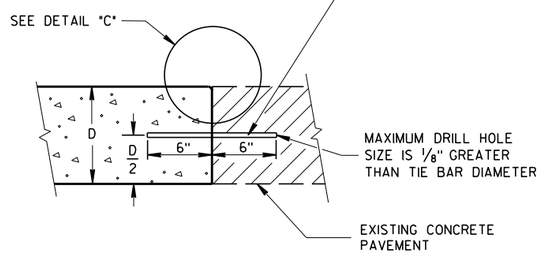
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

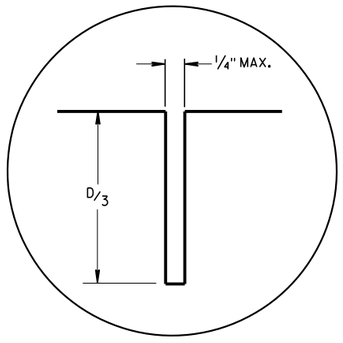


PLAN VIEW

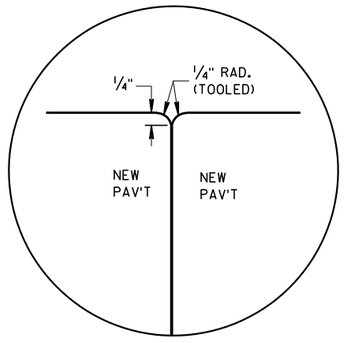


SECTION A-A

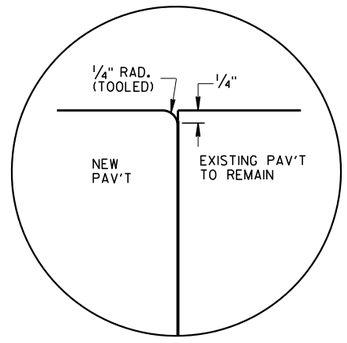
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



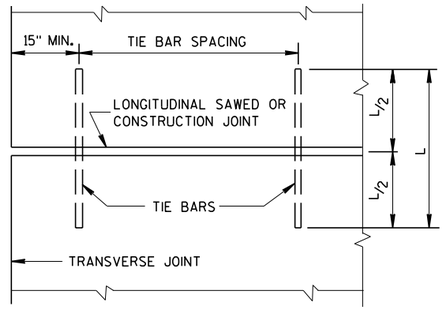
DETAIL "C"

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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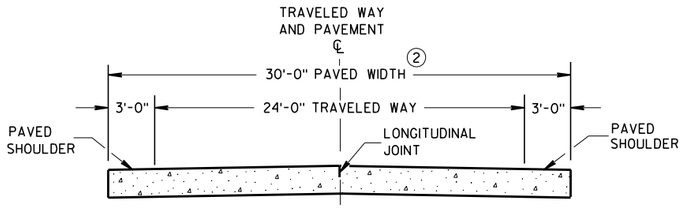
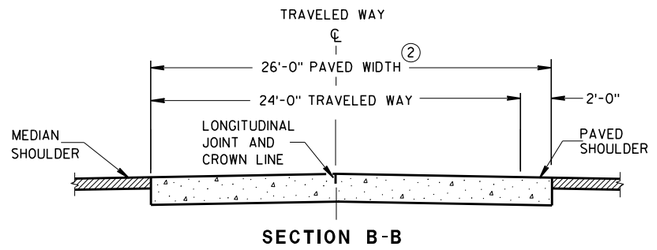
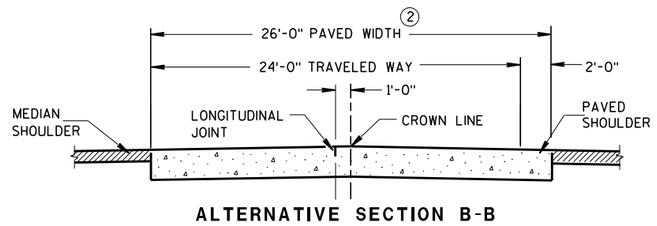
S.D.D. 13 C 1-19



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

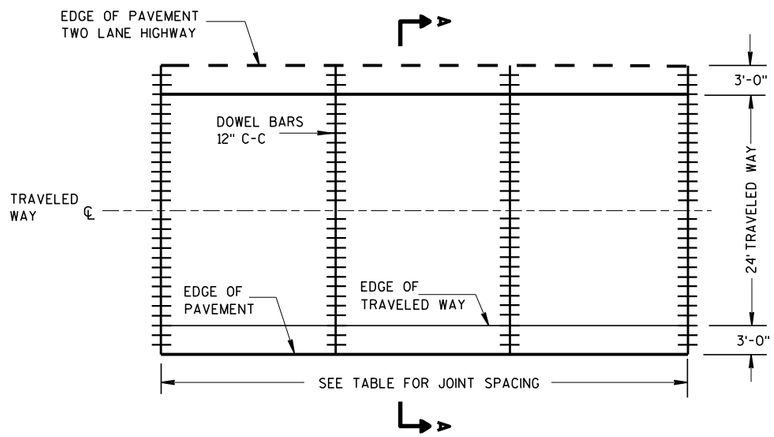
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

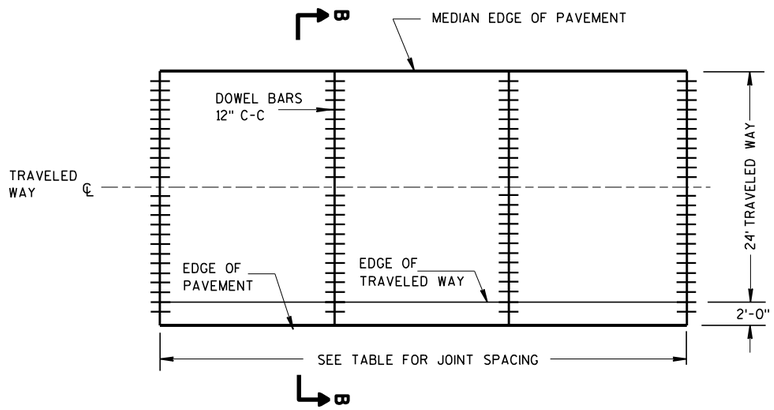
② MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED PAVED SHOULDER AS CONCRETE PAVEMENT.

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



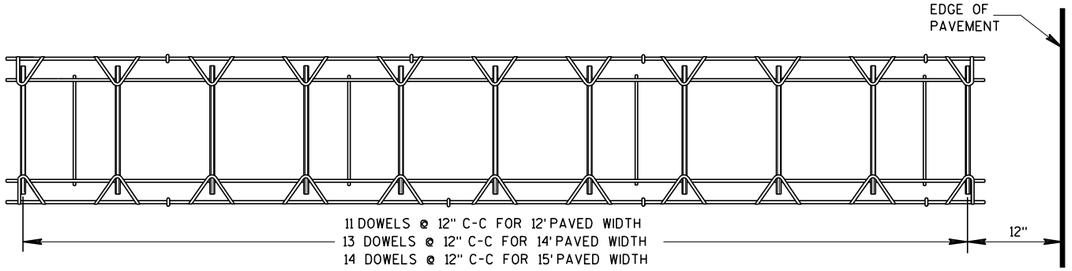
CONTRACTION JOINT LAYOUT
FOR DIVIDED HIGHWAY

RURAL DOWELED
CONCRETE PAVEMENT

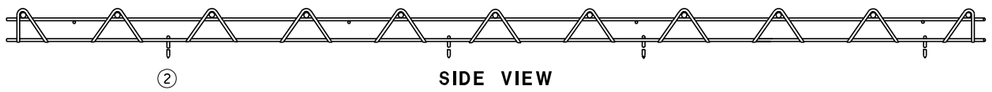
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 11-12a



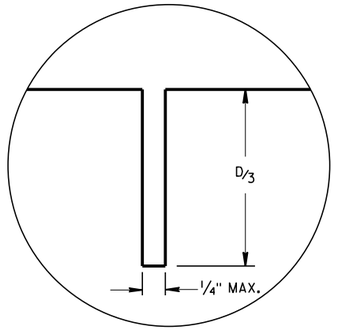
PLAN VIEW



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.

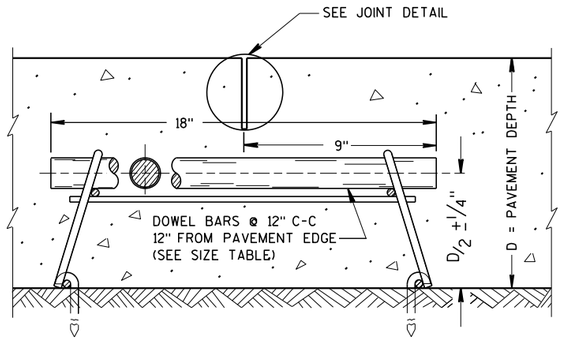
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

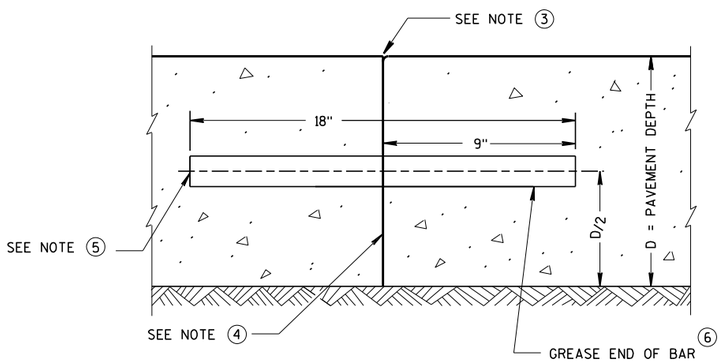
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

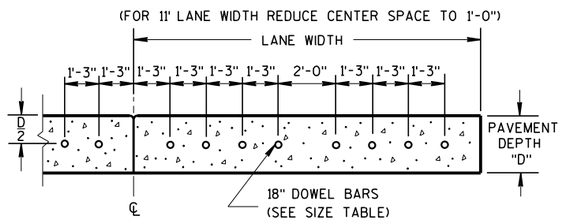
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



DOWELED CONTRACTION JOINT



TRANSVERSE CONSTRUCTION JOINT

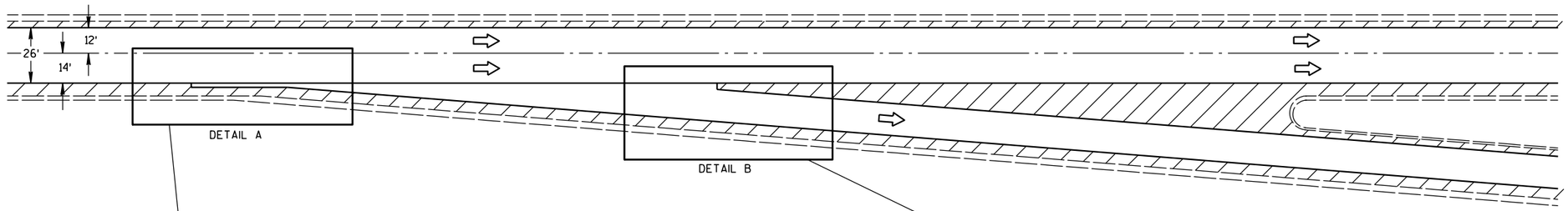


DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦

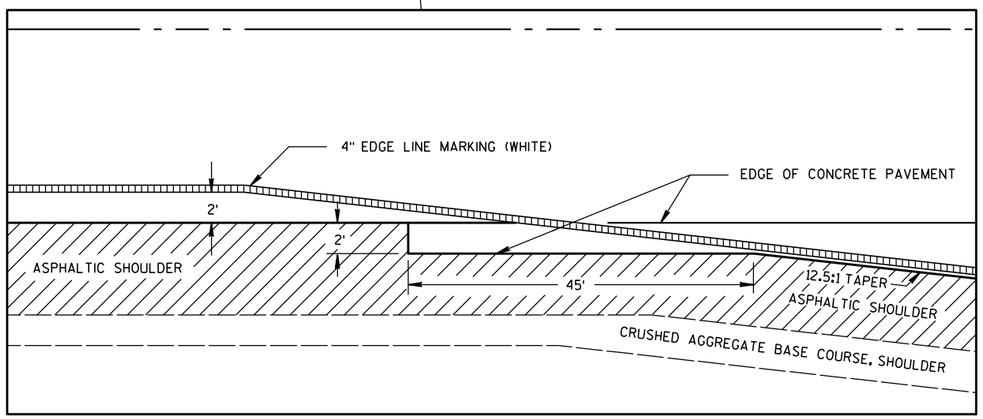
RURAL DOWELED CONCRETE PAVEMENT	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2018 DATE FHWA	/S/ Peter Kemp P.E. PAVEMENT SUP

6

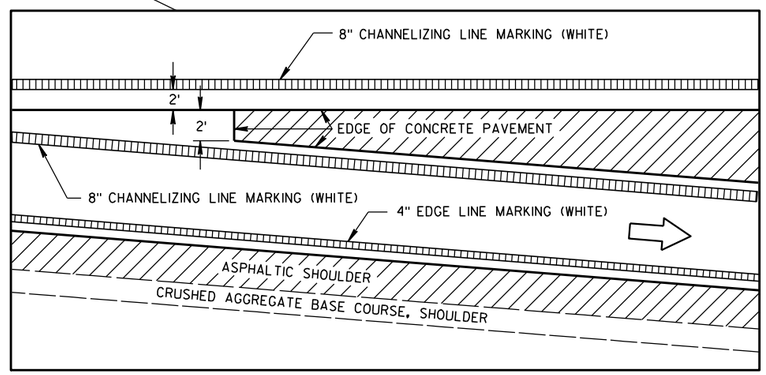
S.D.D. 13 C 11-12b



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

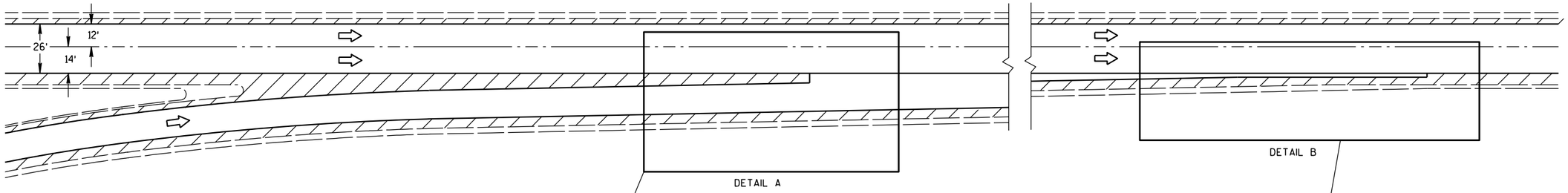
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

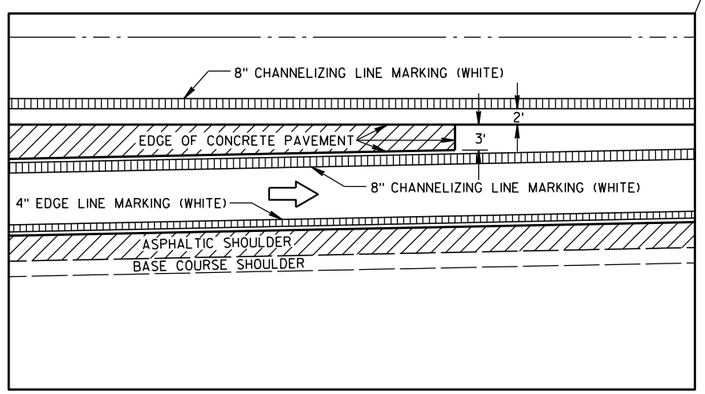
S.D.D. 13 C 17-1a

6

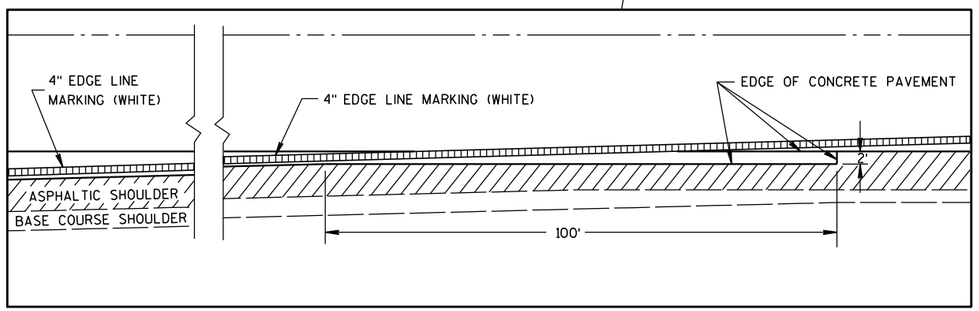
S.D.D. 13 C 17-1a



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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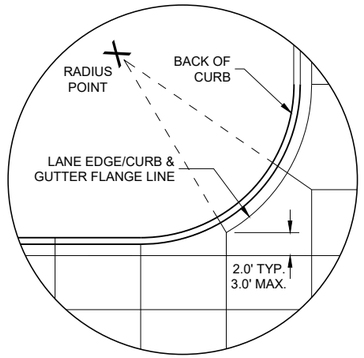
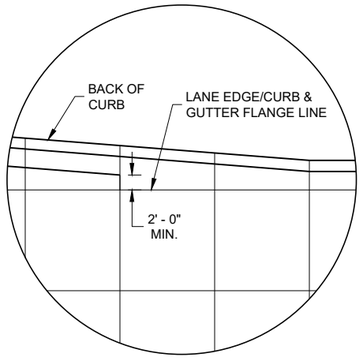
S.D.D. 13 C 17-1b



DETAIL "A"



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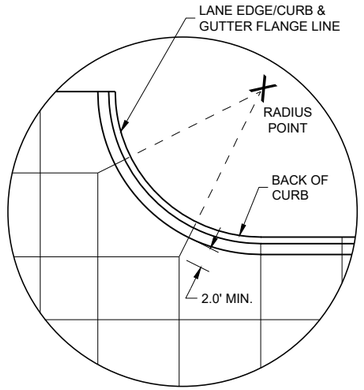

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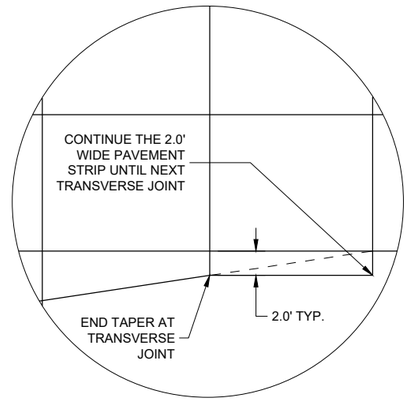


DETAIL "D"

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.

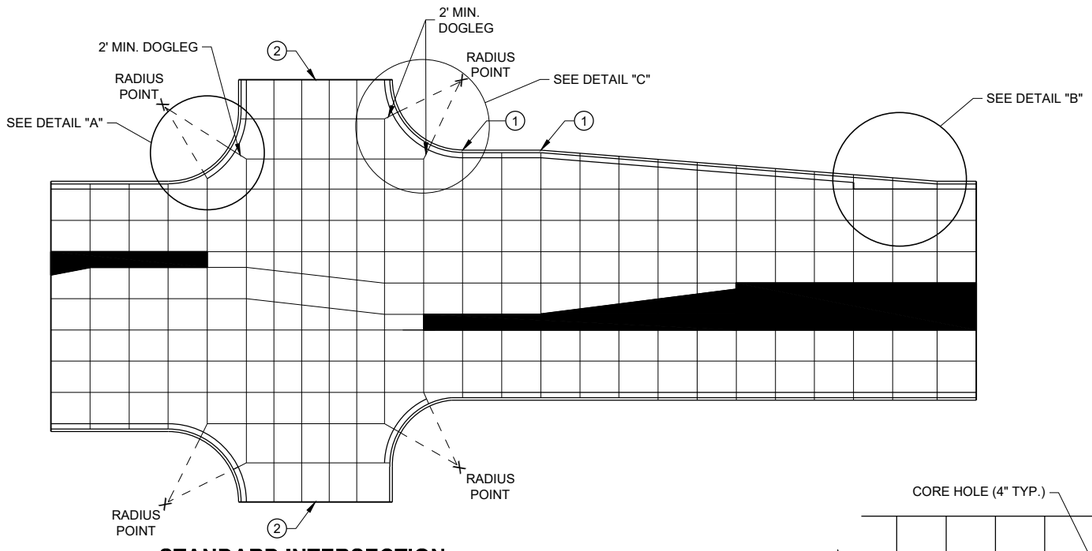
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

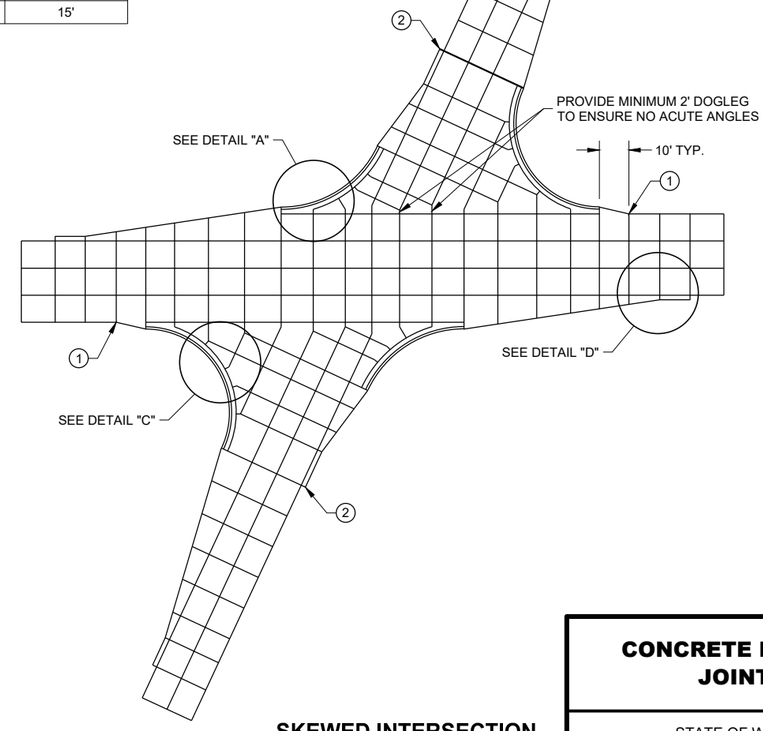
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



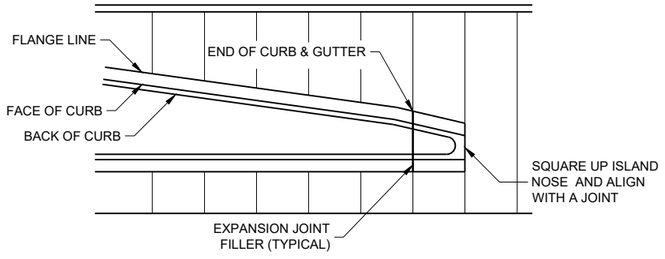
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

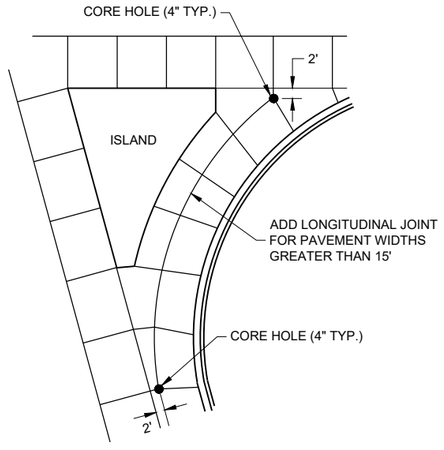
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



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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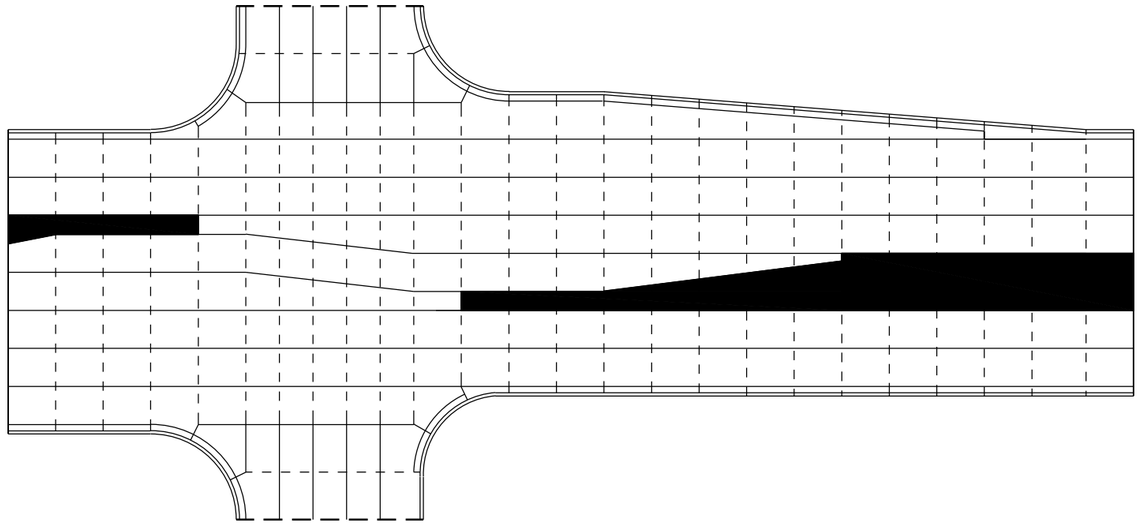
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

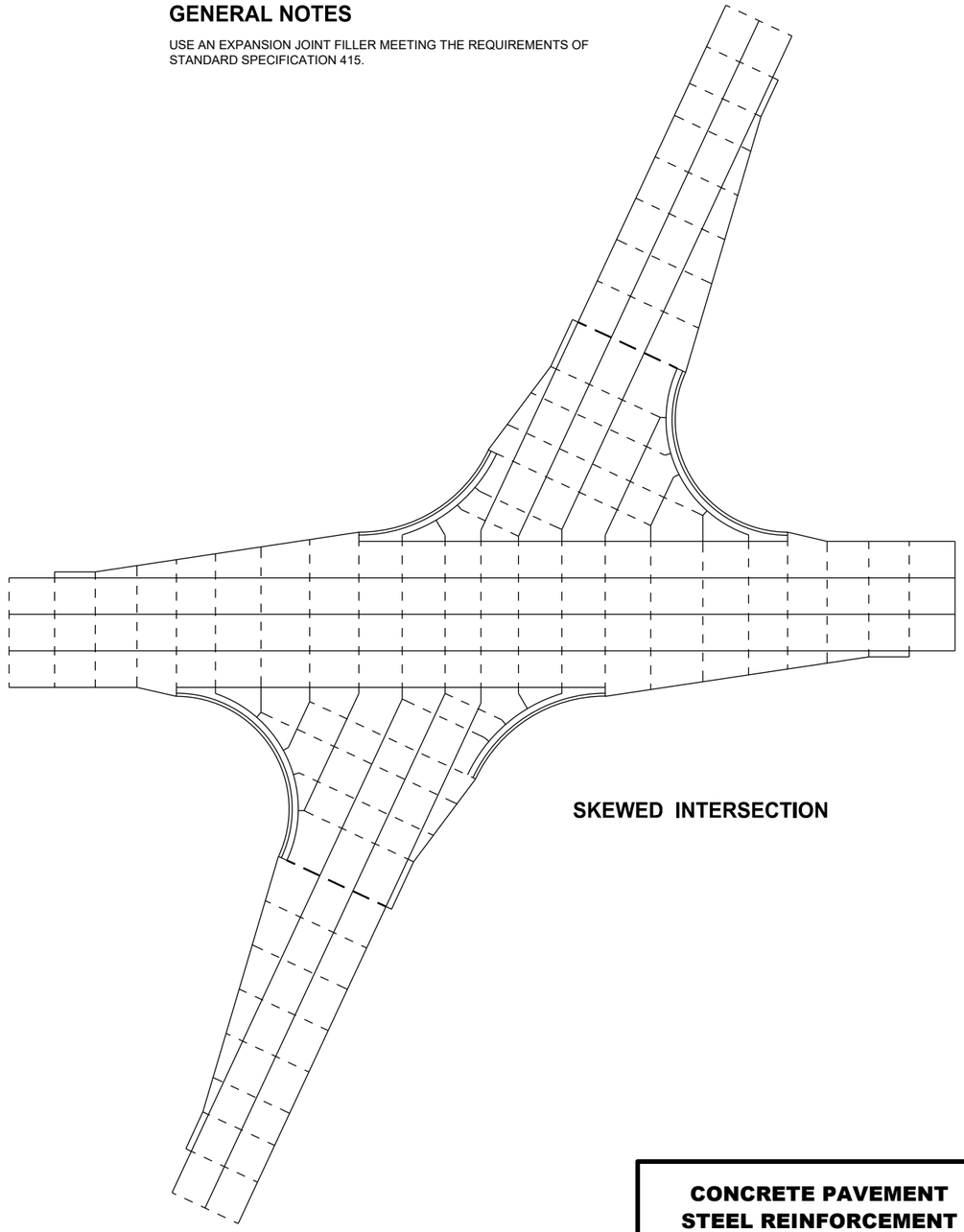
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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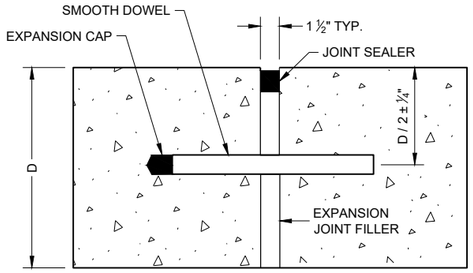
SDD 13C18 - 07b

CONCRETE PAVEMENT STEEL REINFORCEMENT

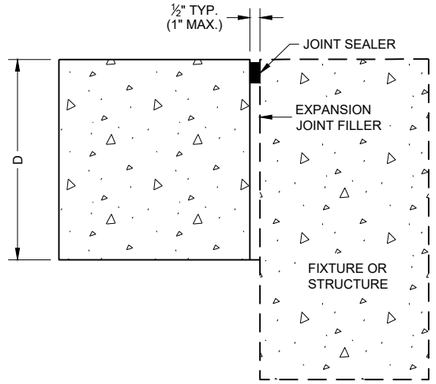
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

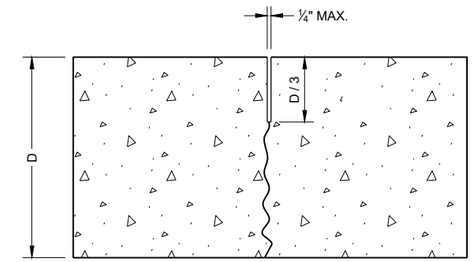
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

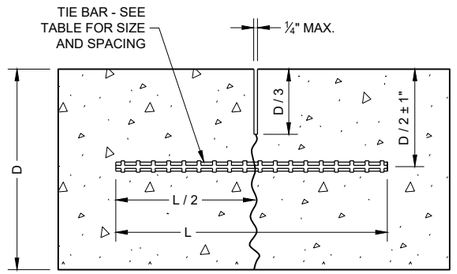
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

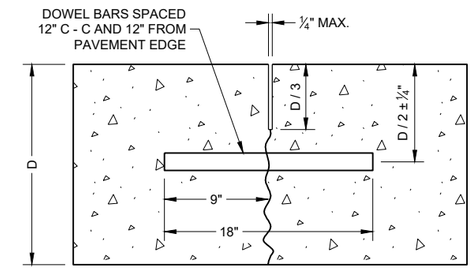
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM 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

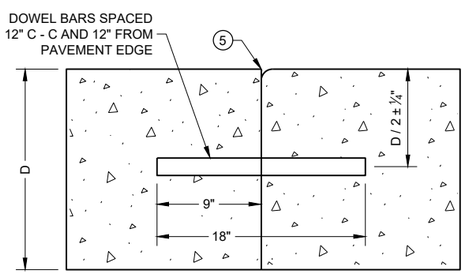


TIED LONGITUDINAL

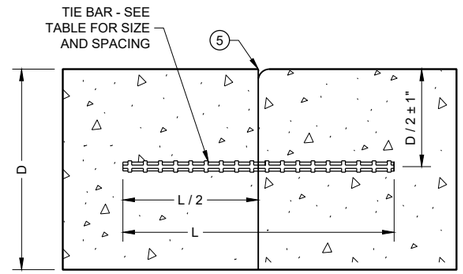


DOWELED TRANSVERSE

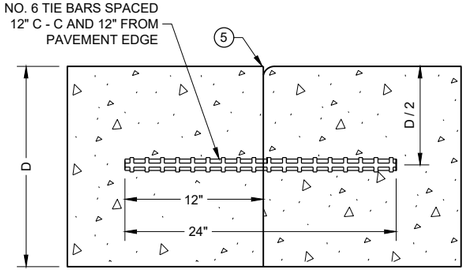
CONTRACTION JOINTS (2)



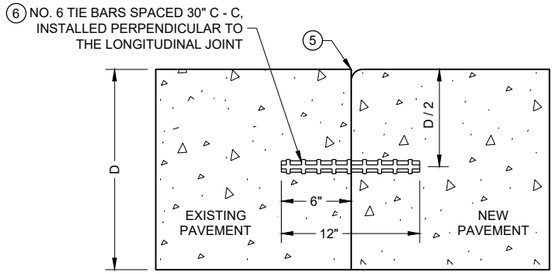
DOWELED TRANSVERSE (3)



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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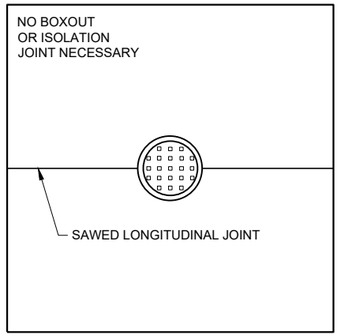
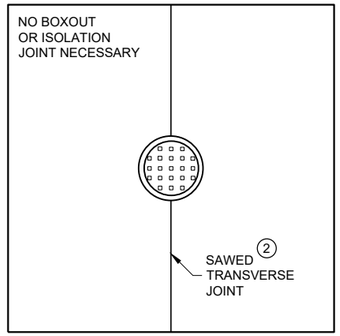
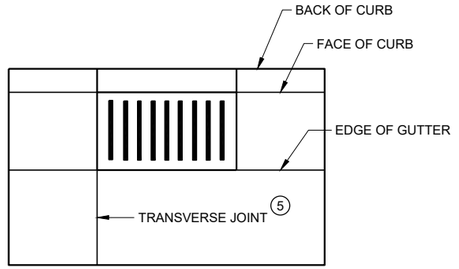
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



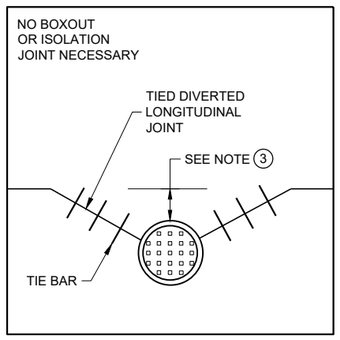
MANHOLE WITH TRANSVERSE JOINT



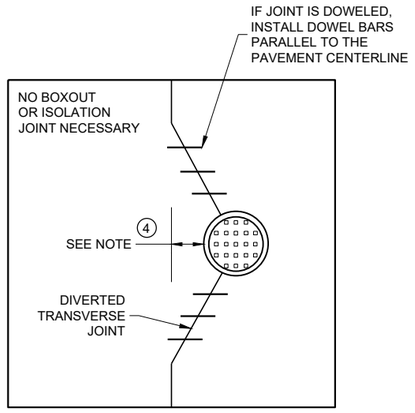
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

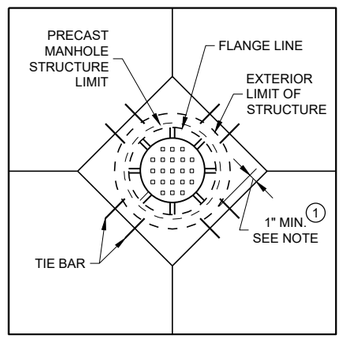
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF 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 SUPERVISO

FHWA

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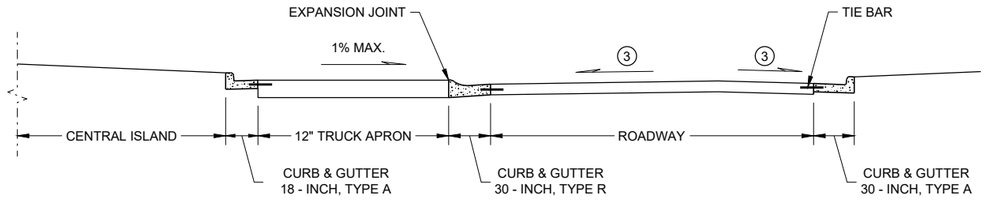
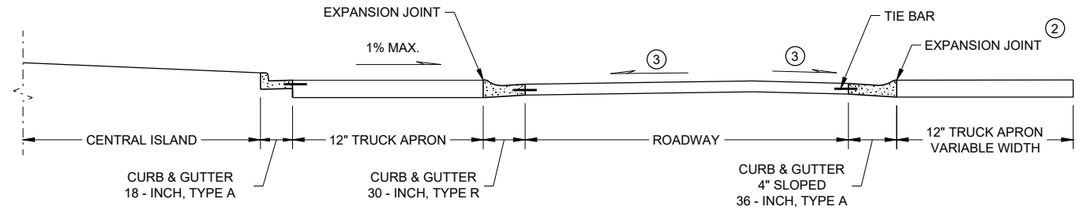
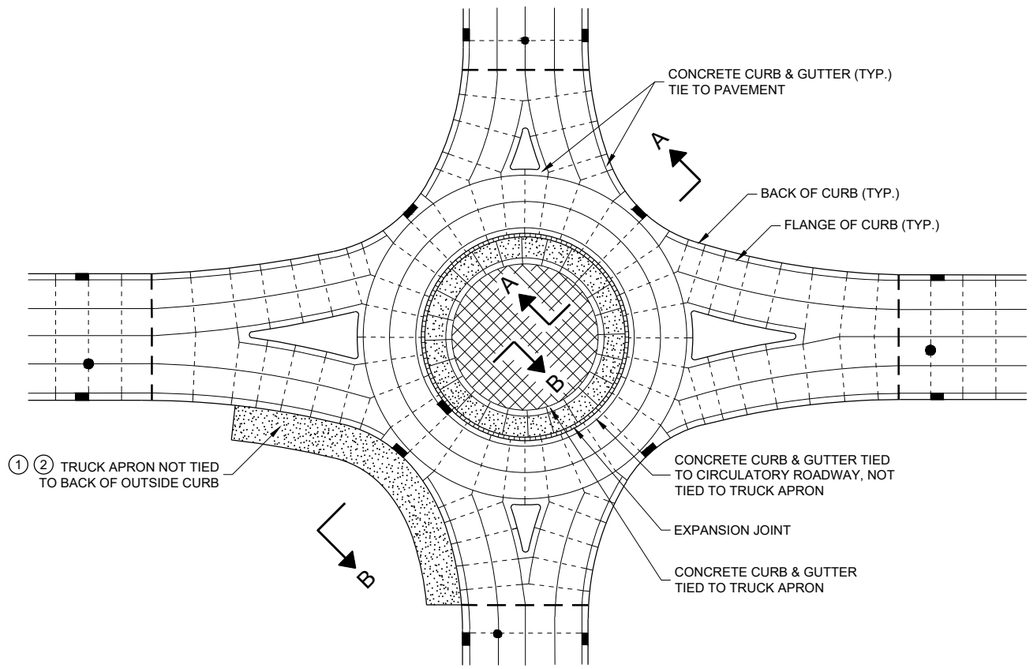
SDD 13C18 - 07d



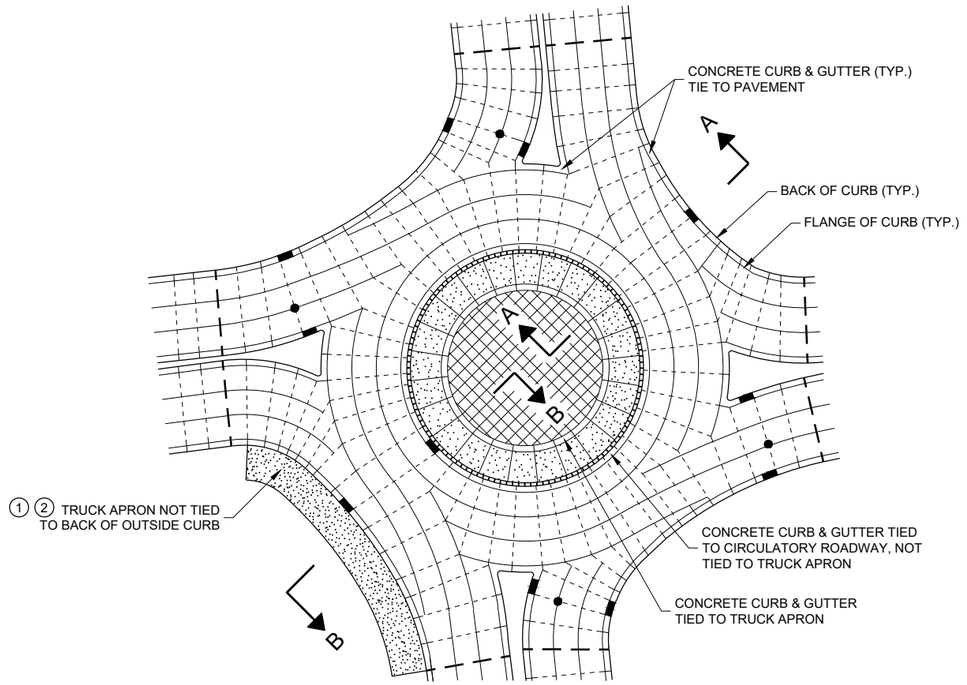
SECTION A - A



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
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

FHWA

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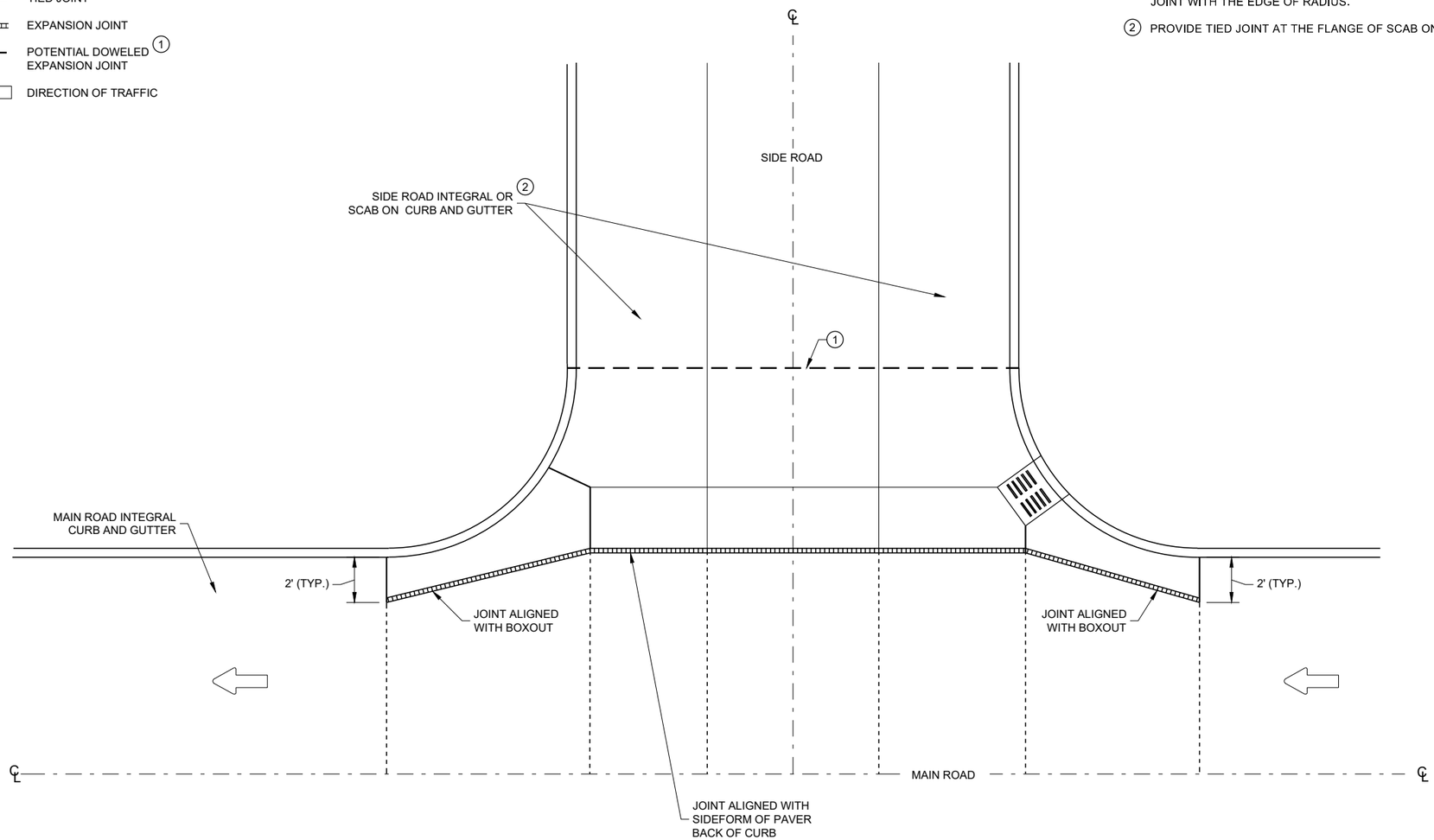
LEGEND

- 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

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

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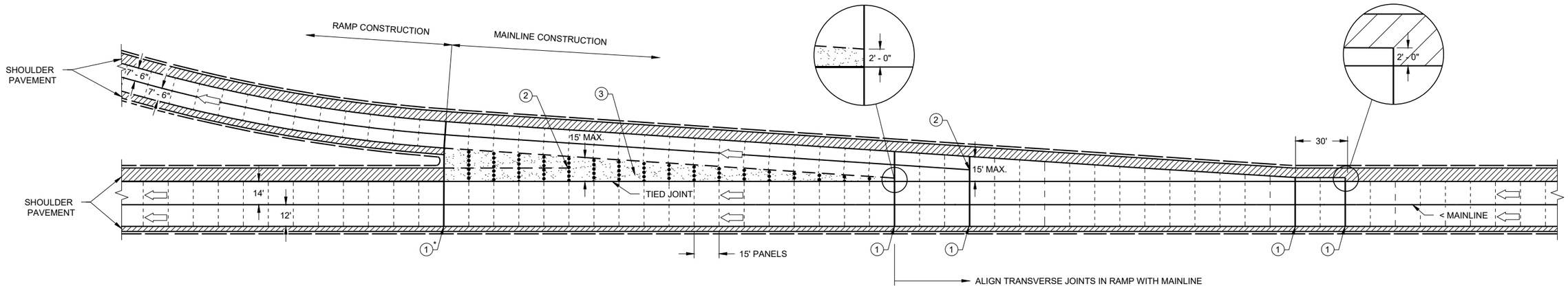
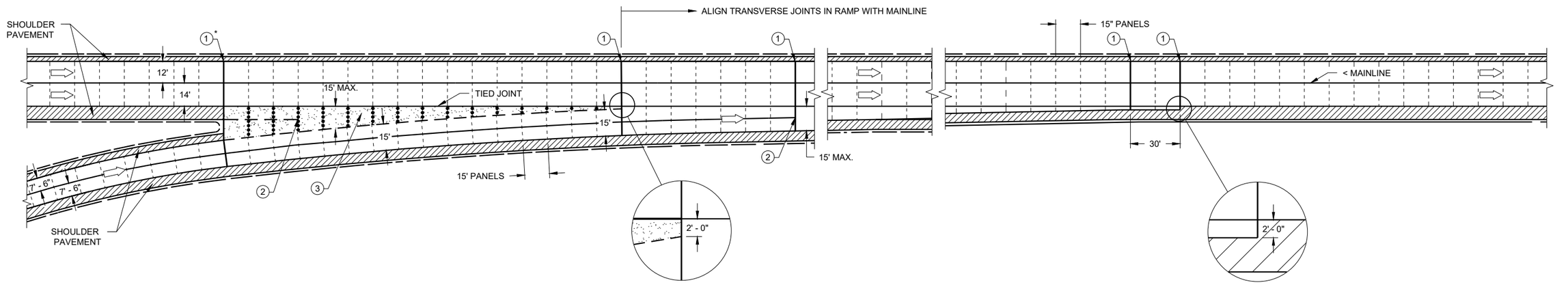


DECELERATION LANE



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
FHWA

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SDD 13C18 - 07g

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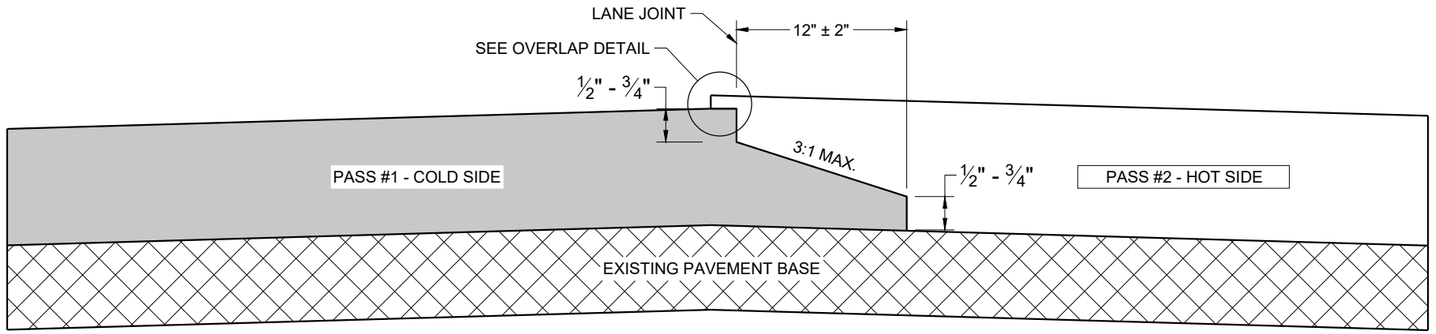
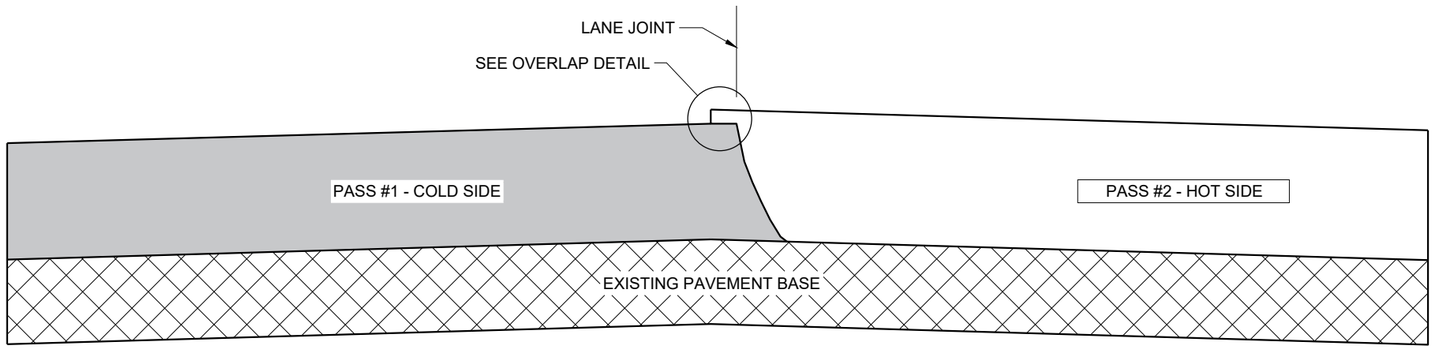
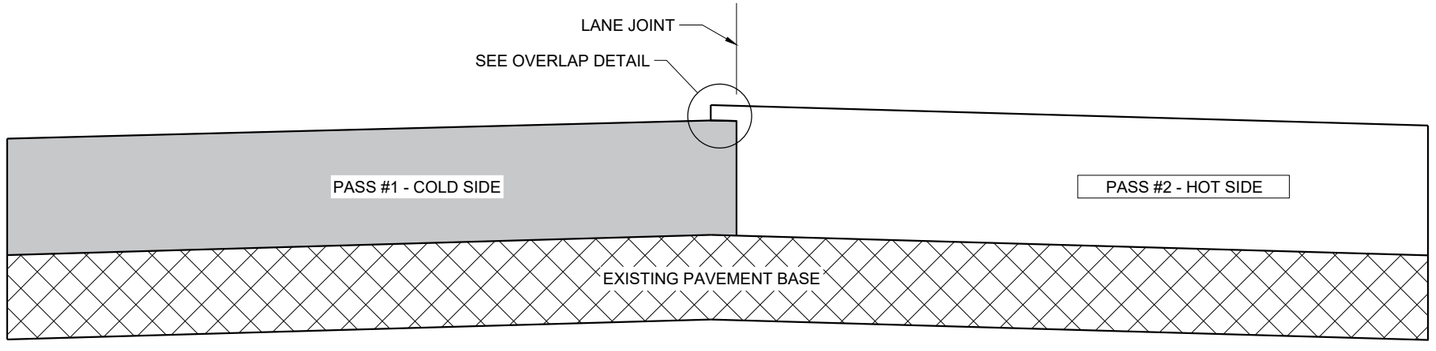
SDD 13C18 - 07g



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

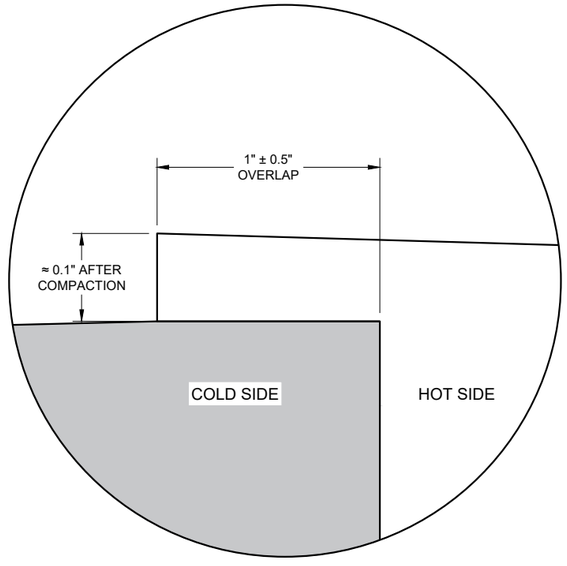
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

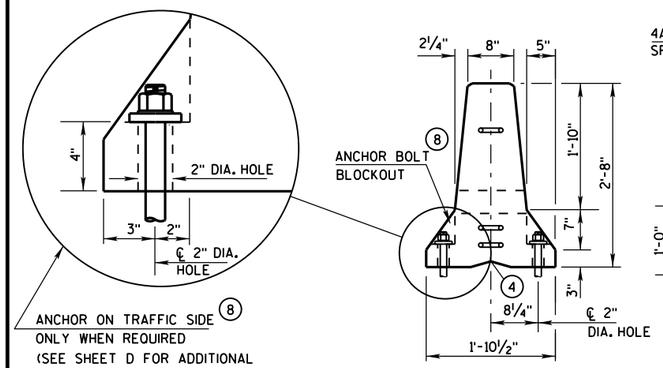
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

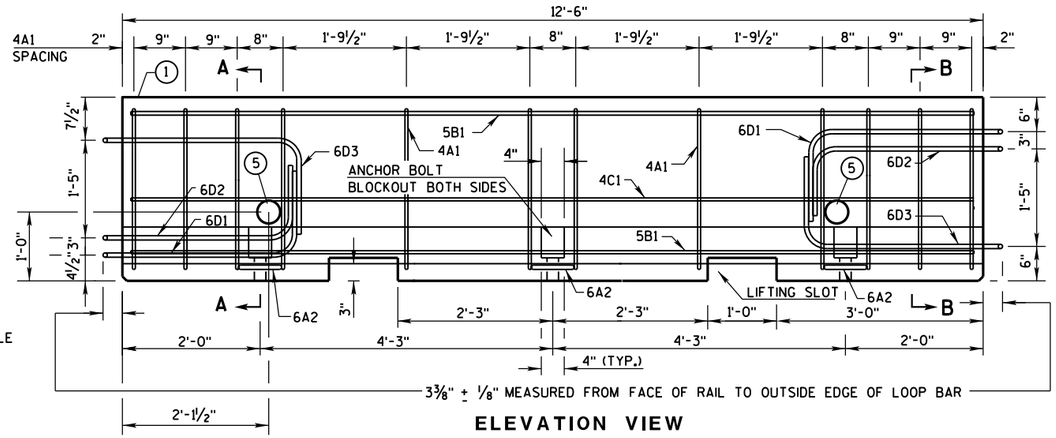
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

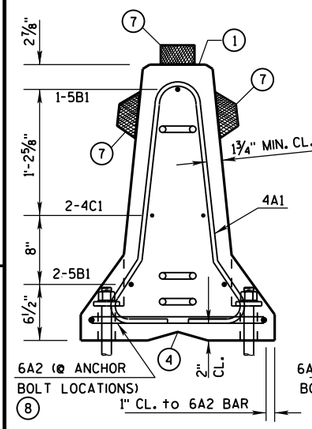
FHWA



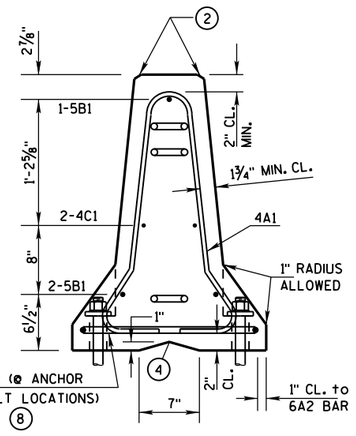
END VIEW



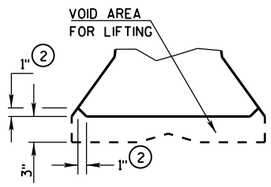
ELEVATION VIEW



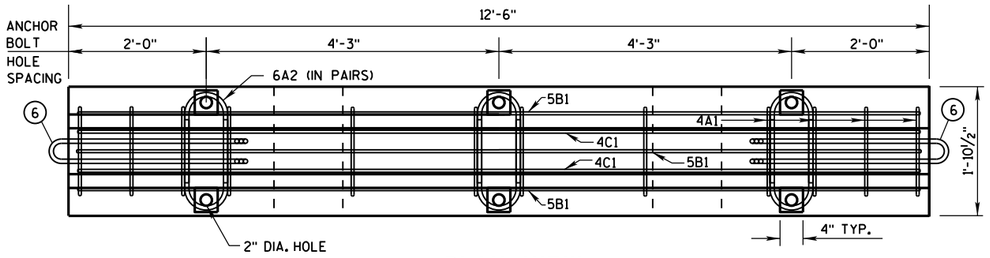
SECTION A-A
(STIRRUP PLACEMENT)



SECTION B-B
(STIRRUP PLACEMENT)

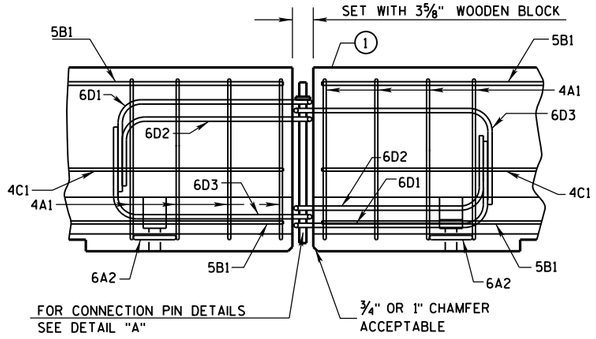


DETAIL "B"
LIFTING SLOT DETAIL

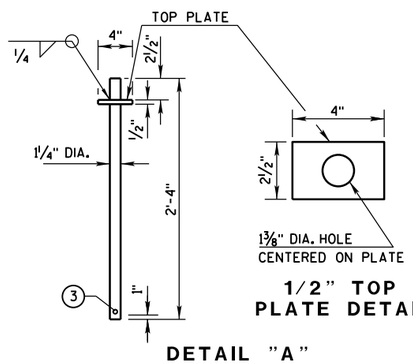


PLAN VIEW

DETAILS OF BARRIER SECTION

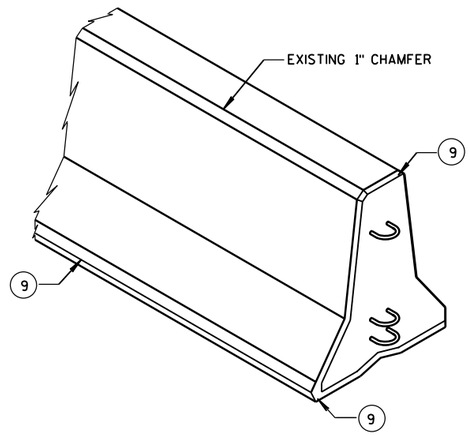


DETAILS OF BARRIER CONNECTION



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.

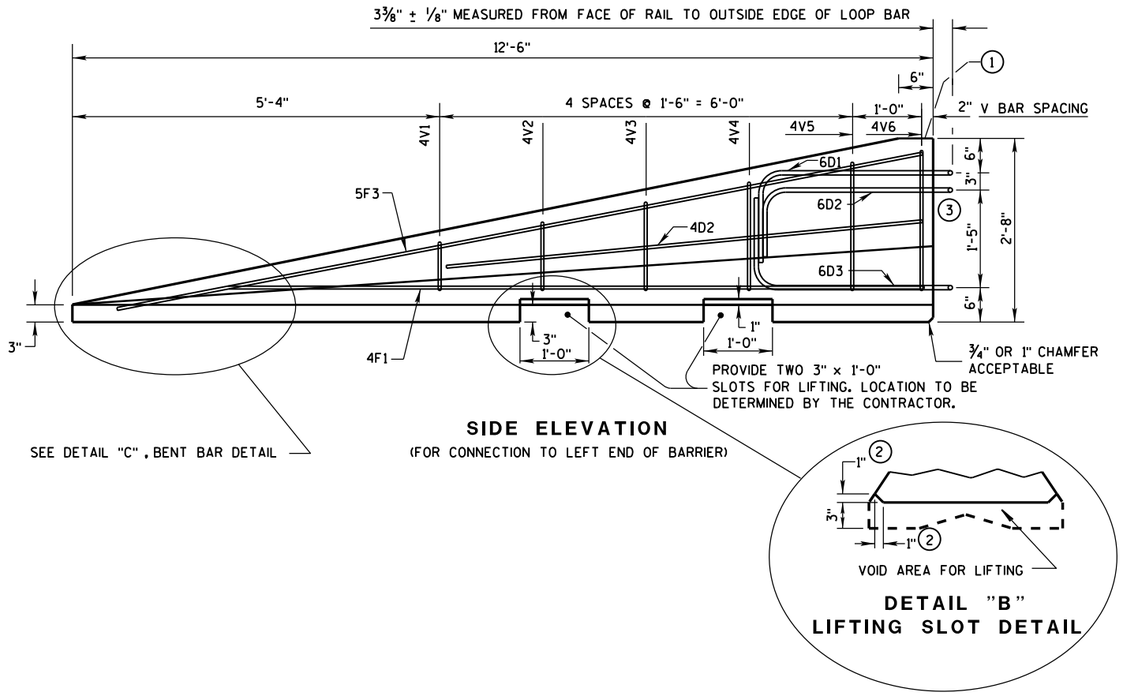
(9) 1" CHAMFER OPTIONAL.

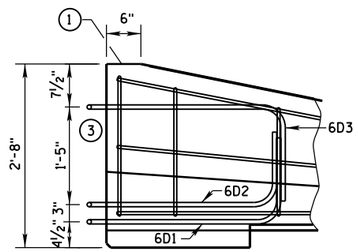
f'c = 4,000 psi

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 424

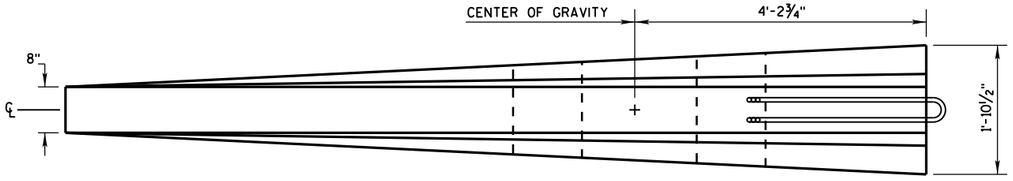
6
S.D.D. 14 B 7-15a

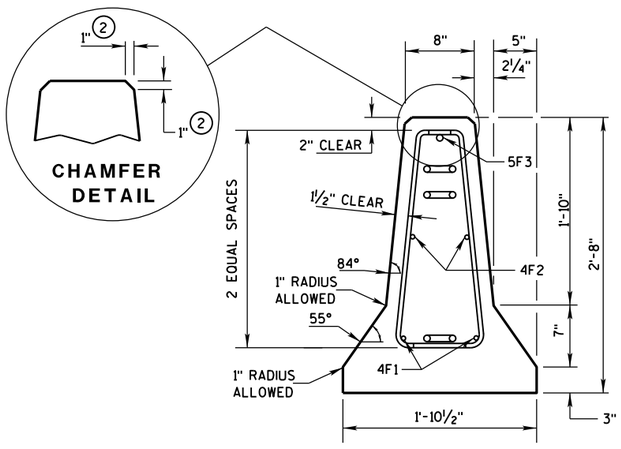


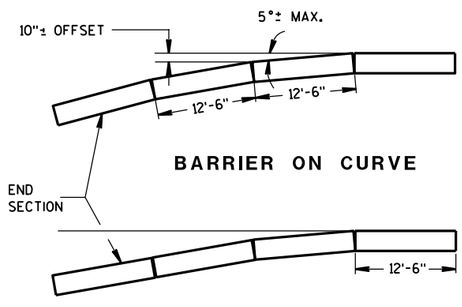


GENERAL NOTES

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"

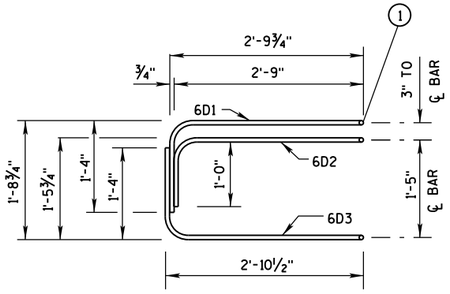
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15b

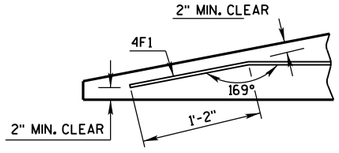
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

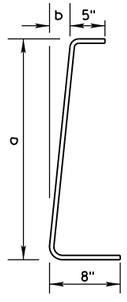
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



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

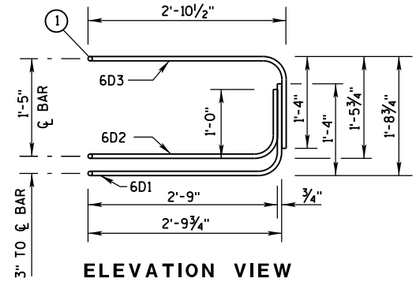
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

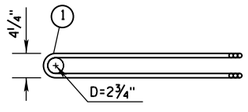
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

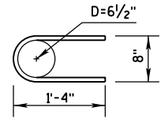
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



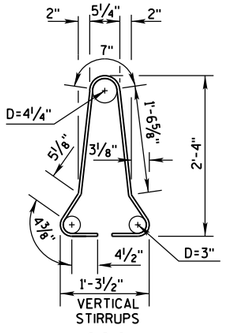
ELEVATION VIEW



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



4A1

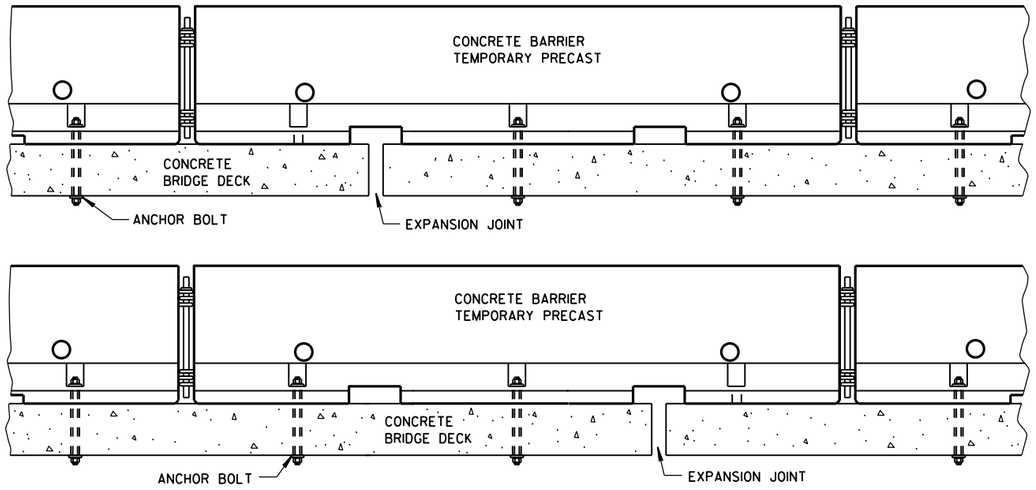
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

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

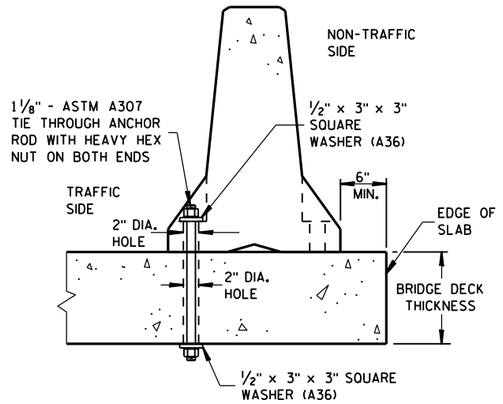
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

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.

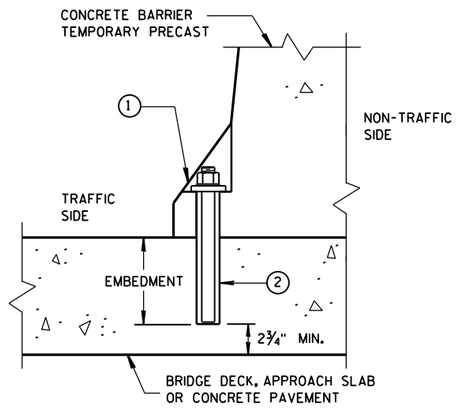
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



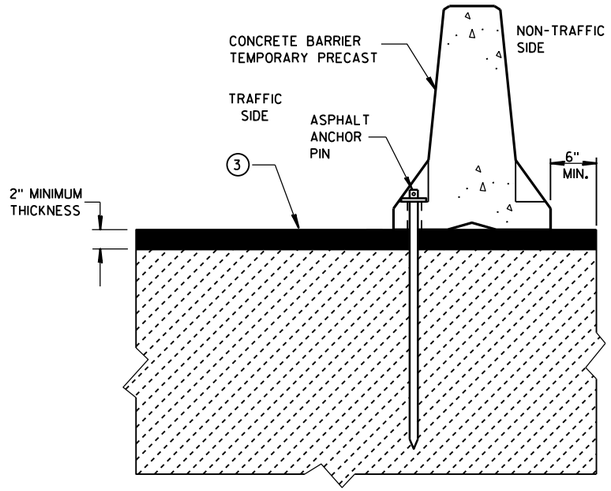
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

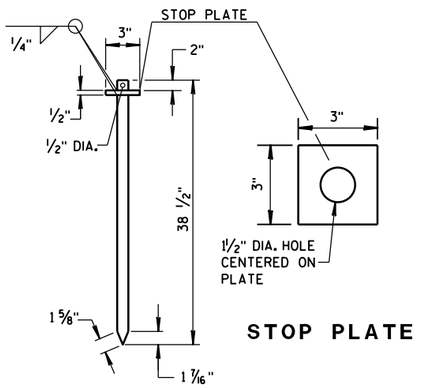


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



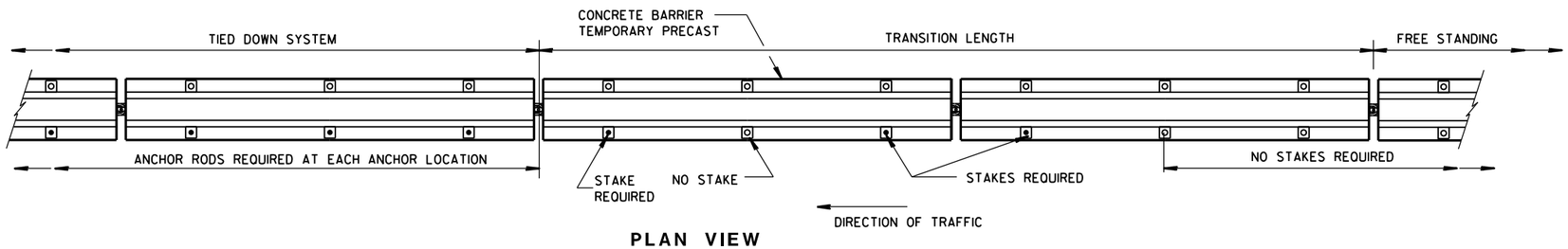
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

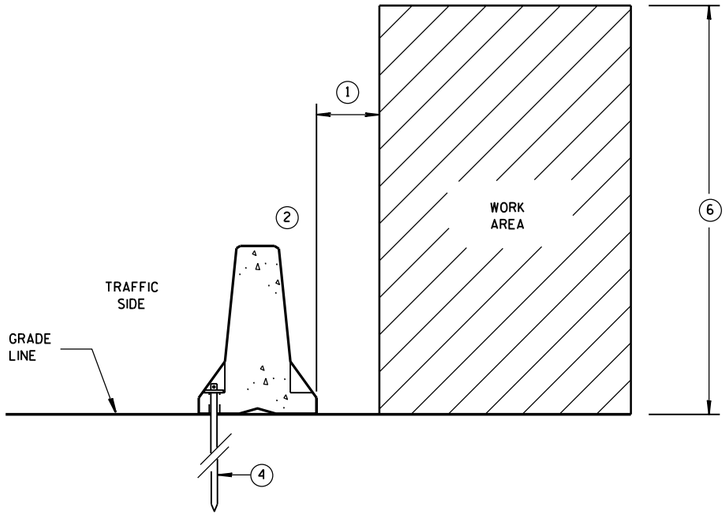
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

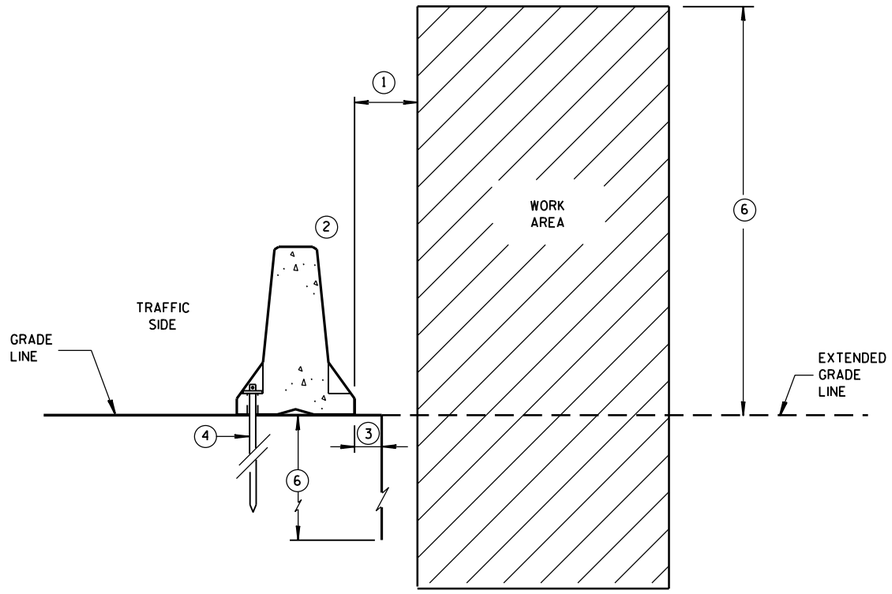
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

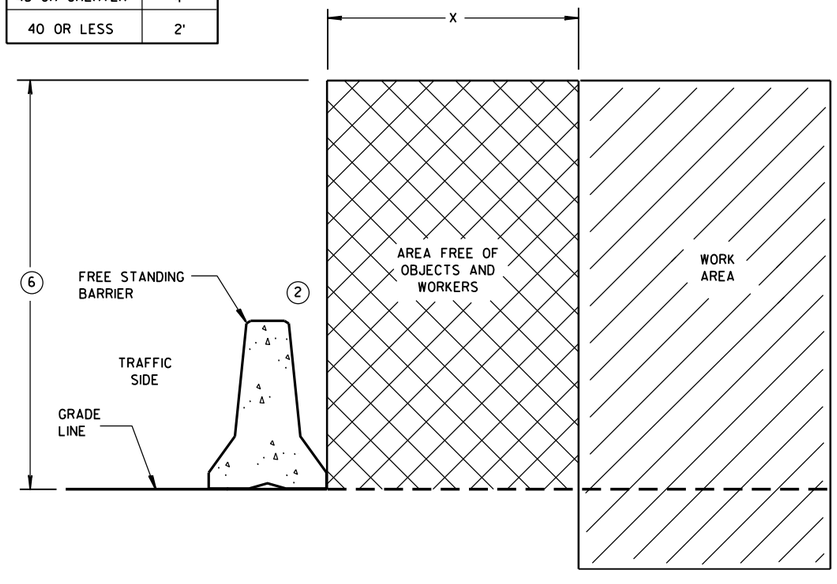


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

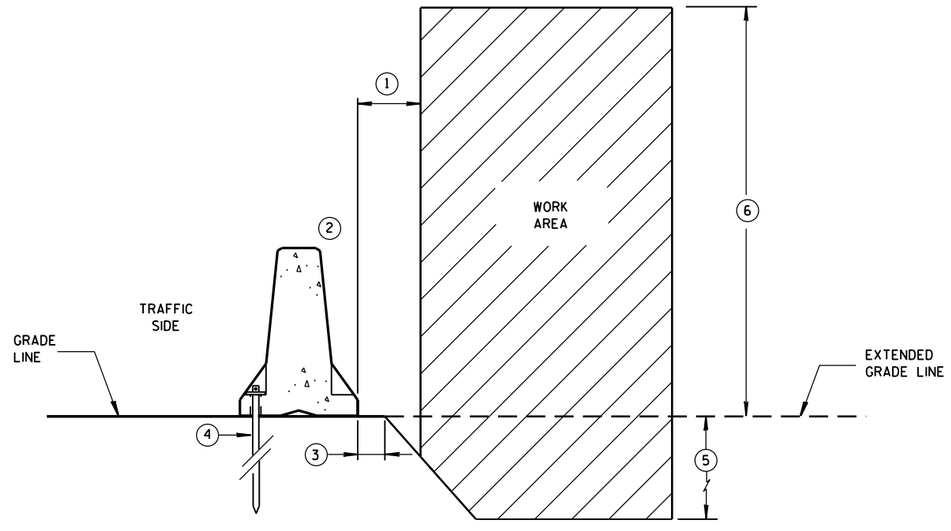
GENERAL NOTES

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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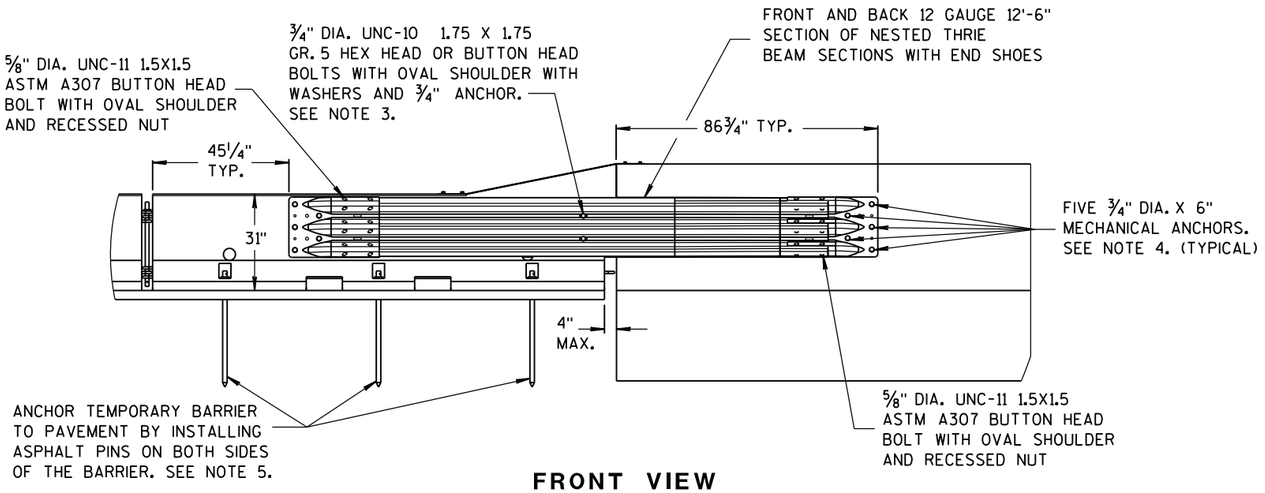
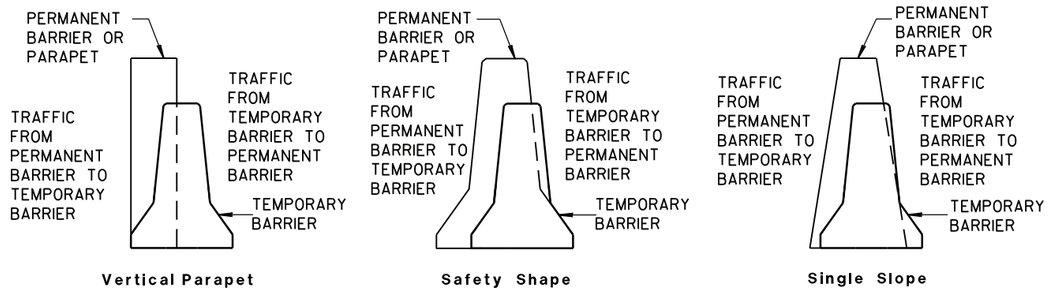
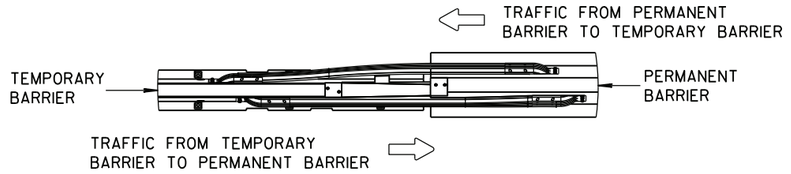


FRONT VIEW



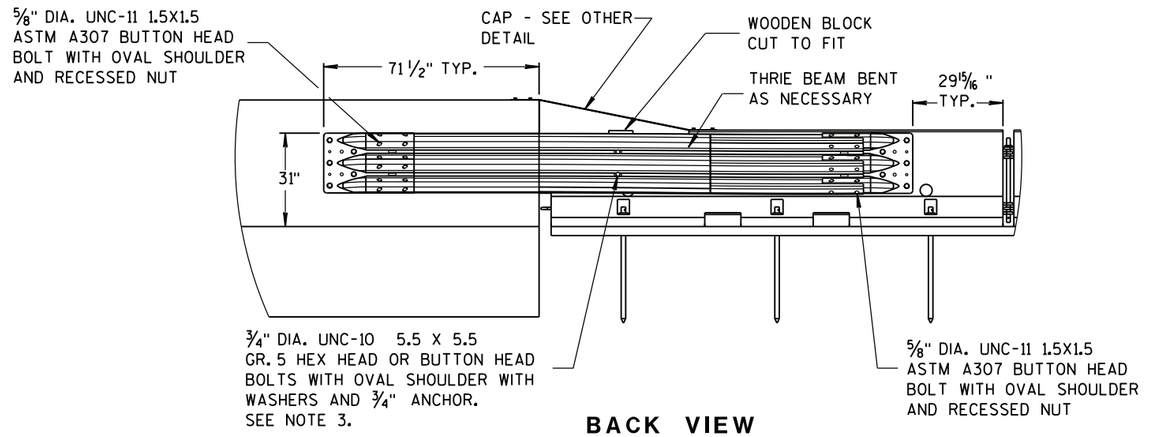


TEMPORARY BARRIER PLACEMENT FOR TRANSITION TO TIED DOWN SYSTEM

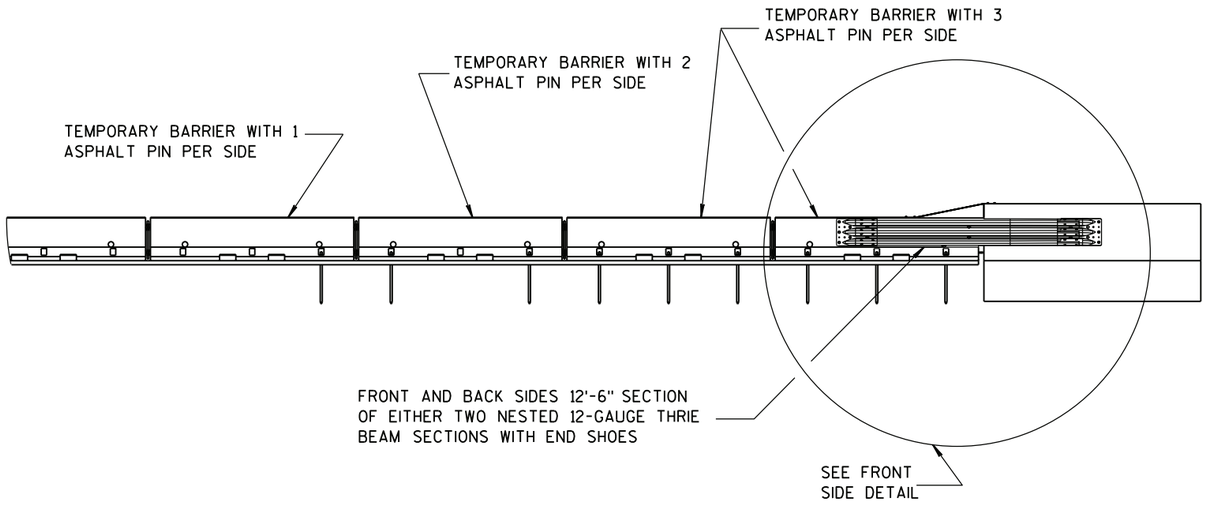
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

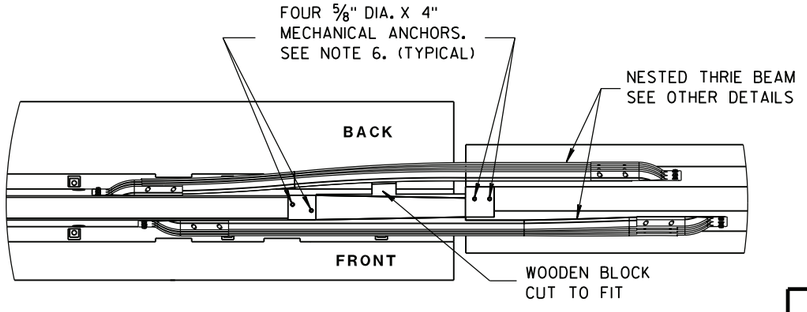
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 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
DEPARTMENT OF TRANSPOR

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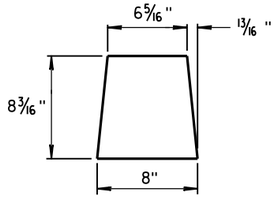
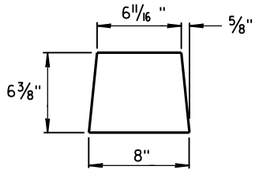
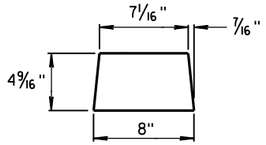


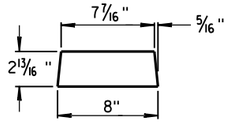
GUSSET 1



GUSSET 2

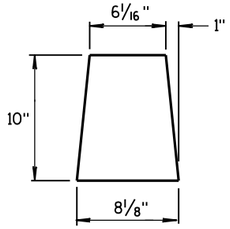


GUSSET 3

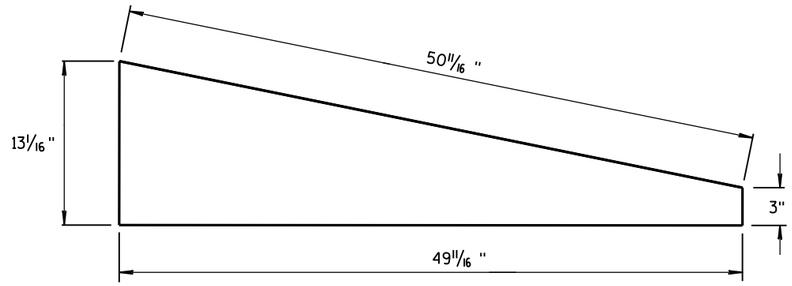


GUSSET 4

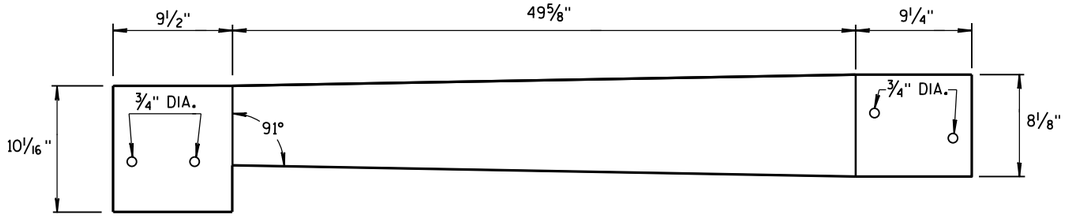
GUSSETS

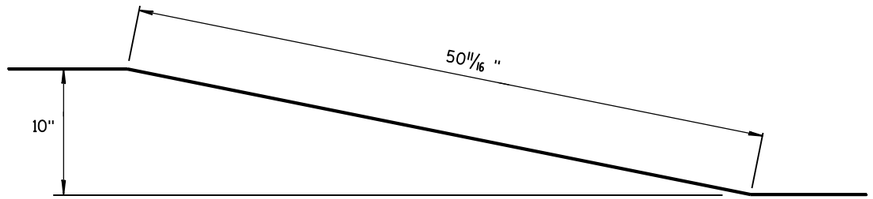


END PLATE



SIDE PLATE

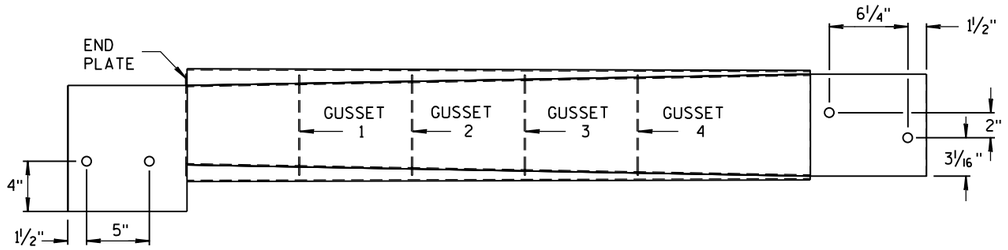


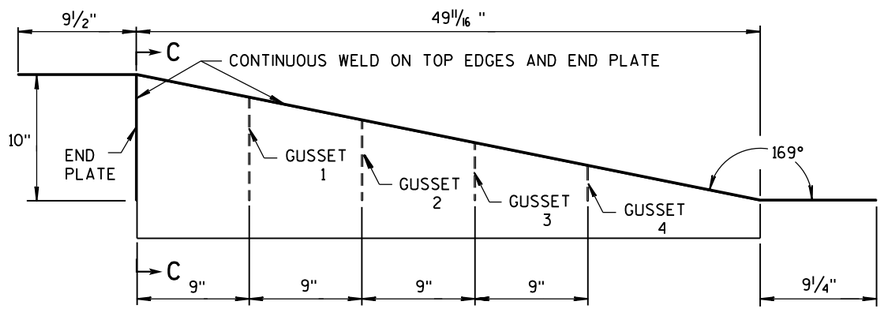


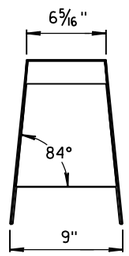
TOP PLATE

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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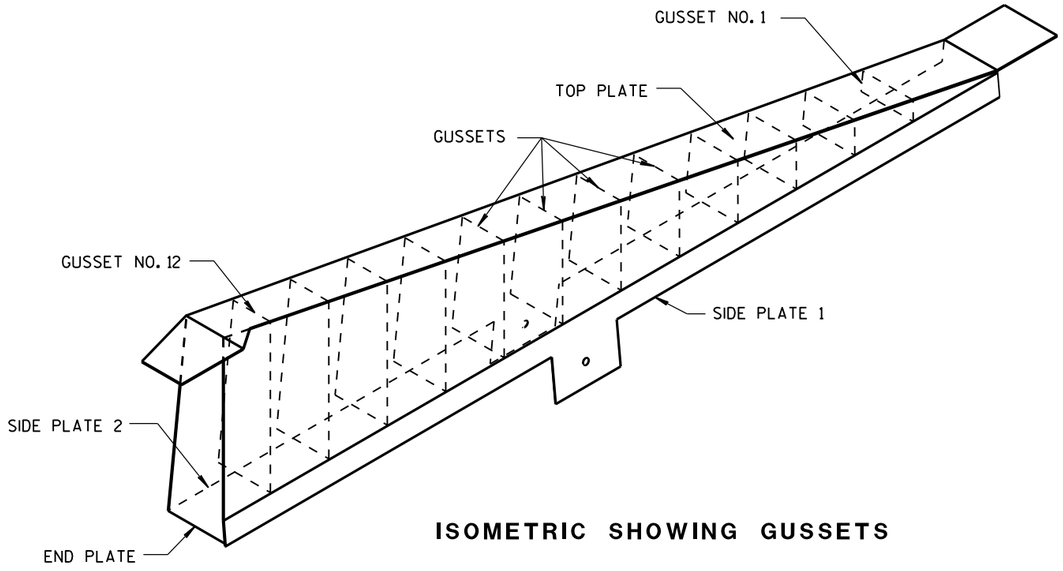
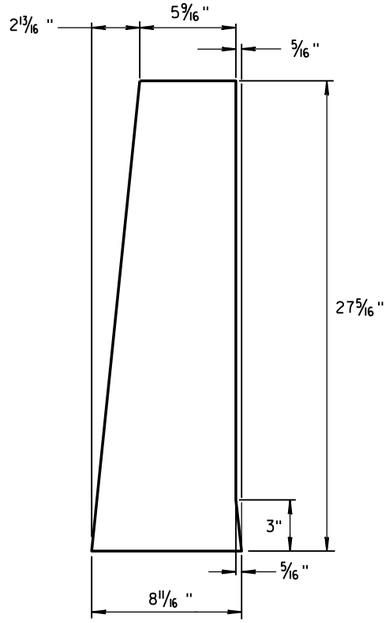
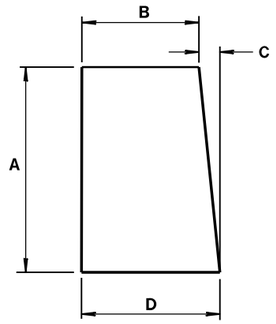


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



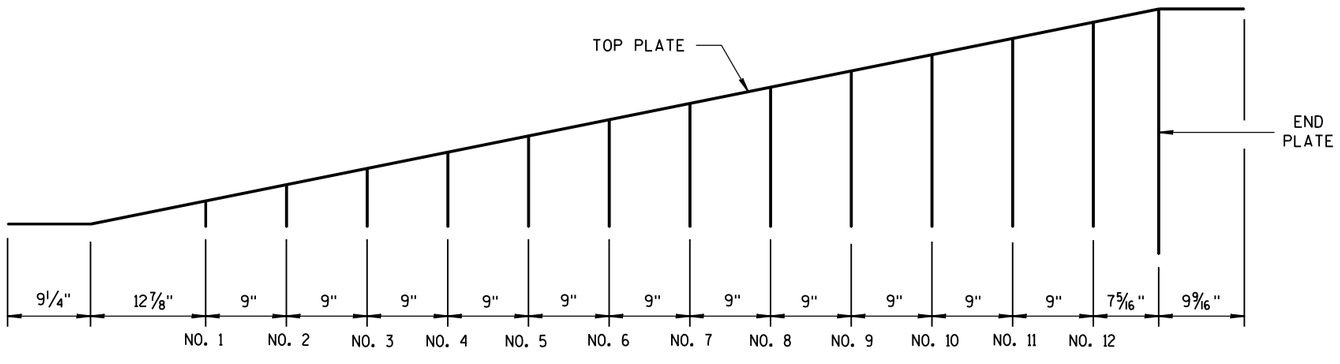
GUSSETS 1 - 12

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

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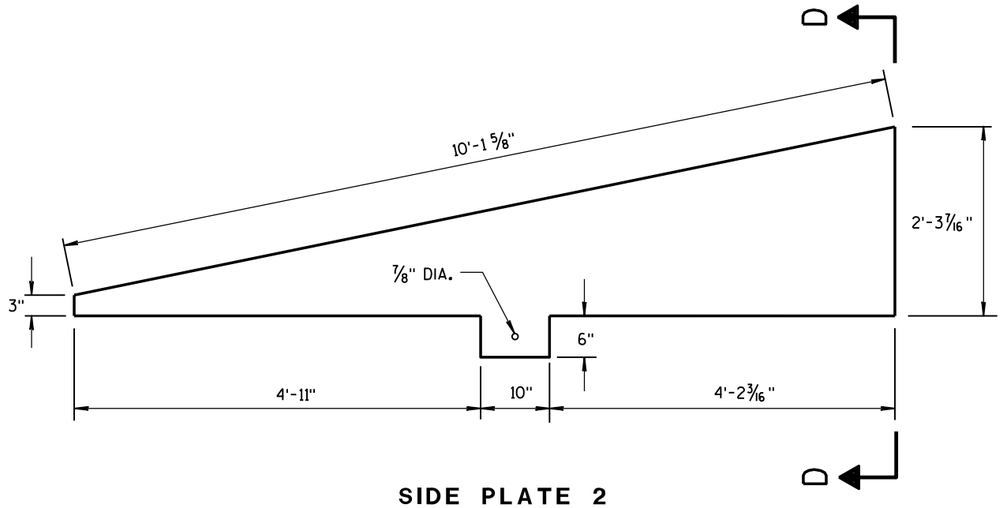
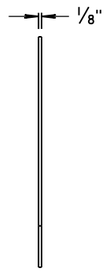
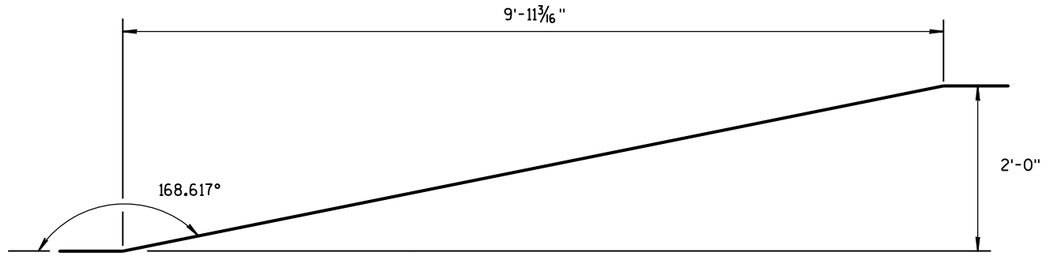


SIDE PLATE 2

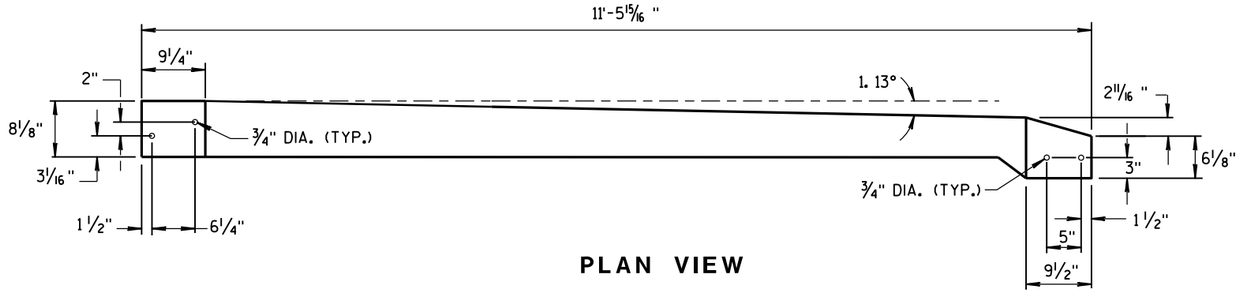


END VIEW



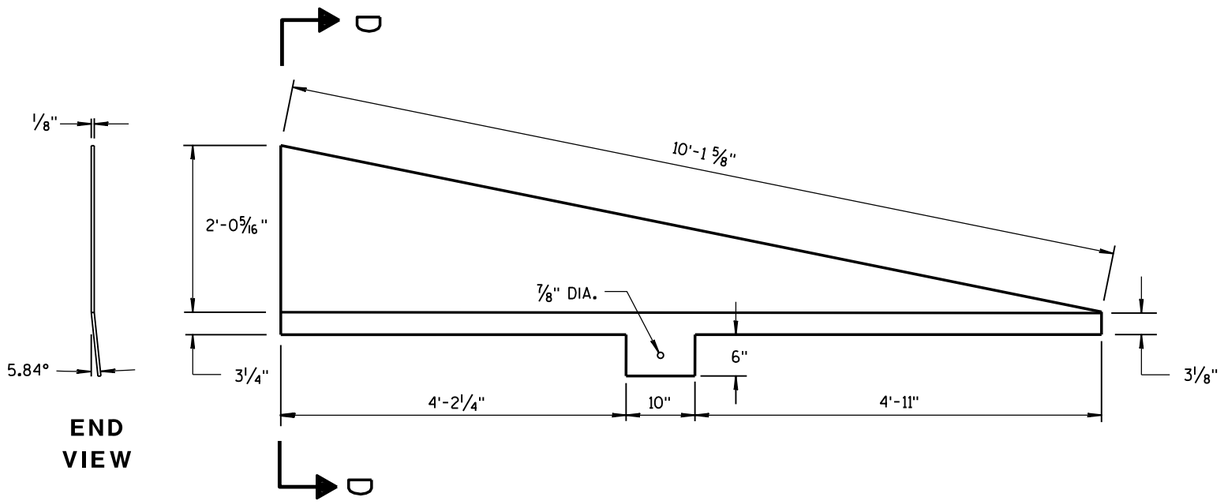
SIDE VIEW

TOP PLATE



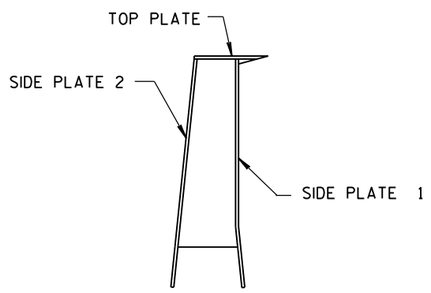
PLAN VIEW

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
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV

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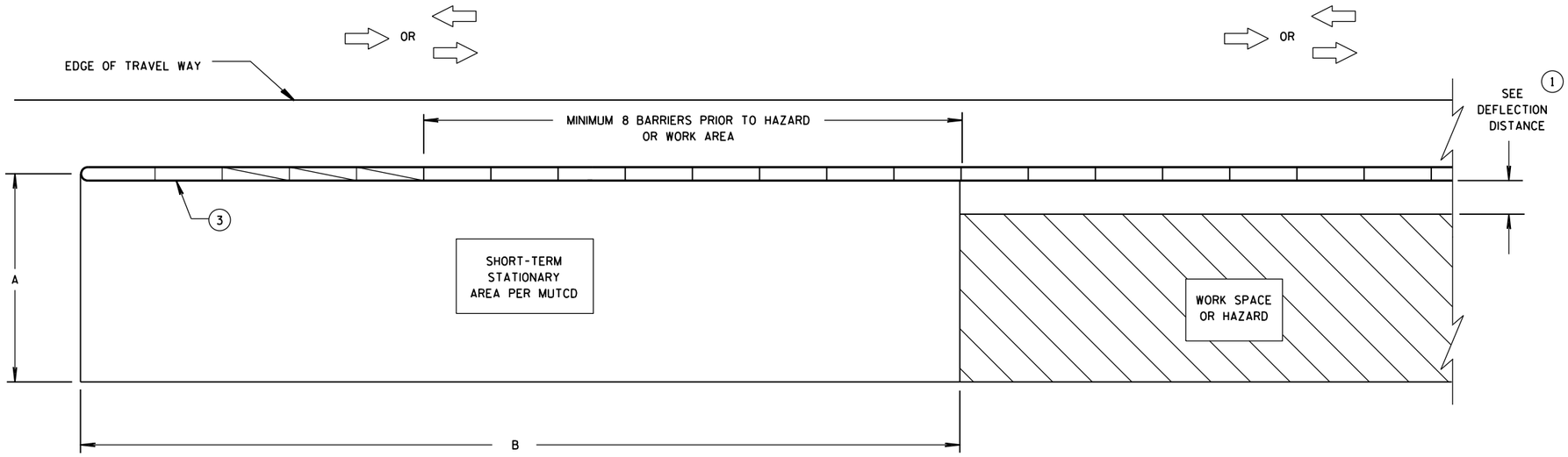
S.D.D. 14 B 7-15i



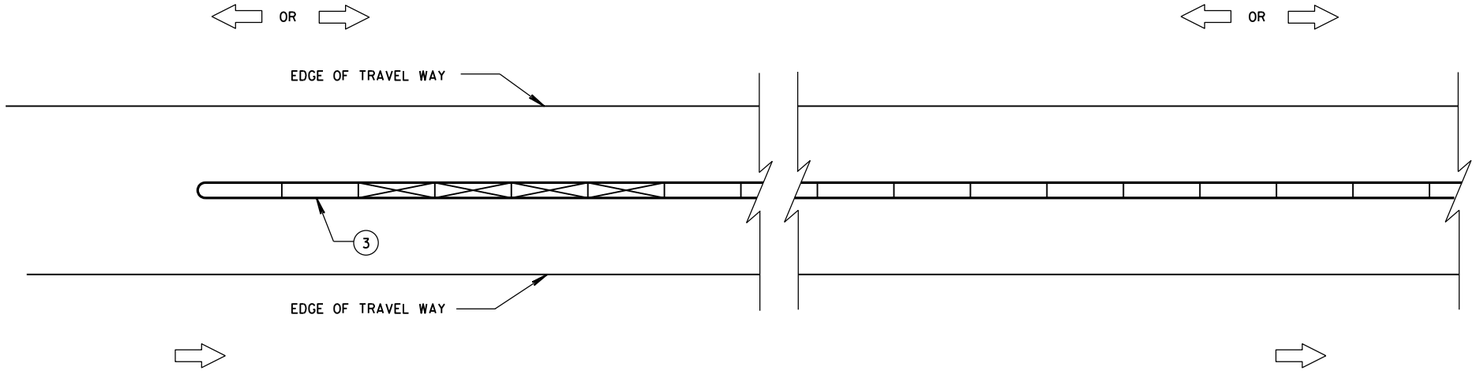
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

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

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DEPARTMENT OF TRANSPOR

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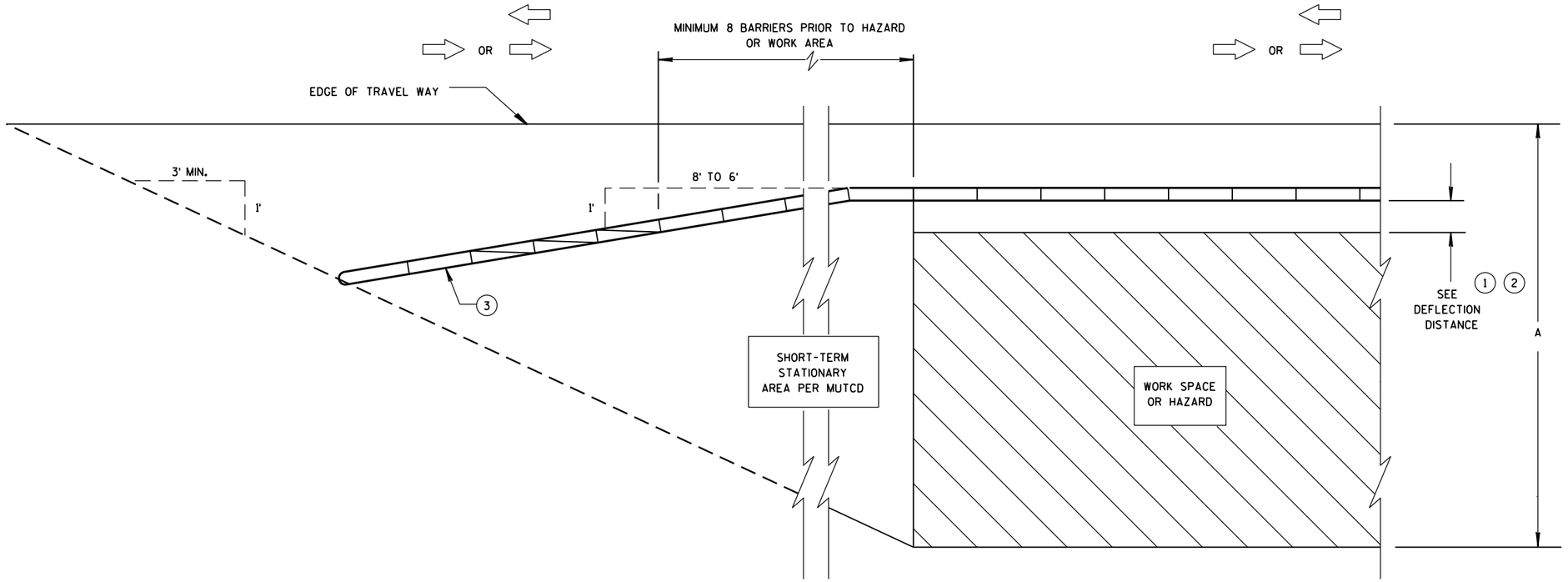
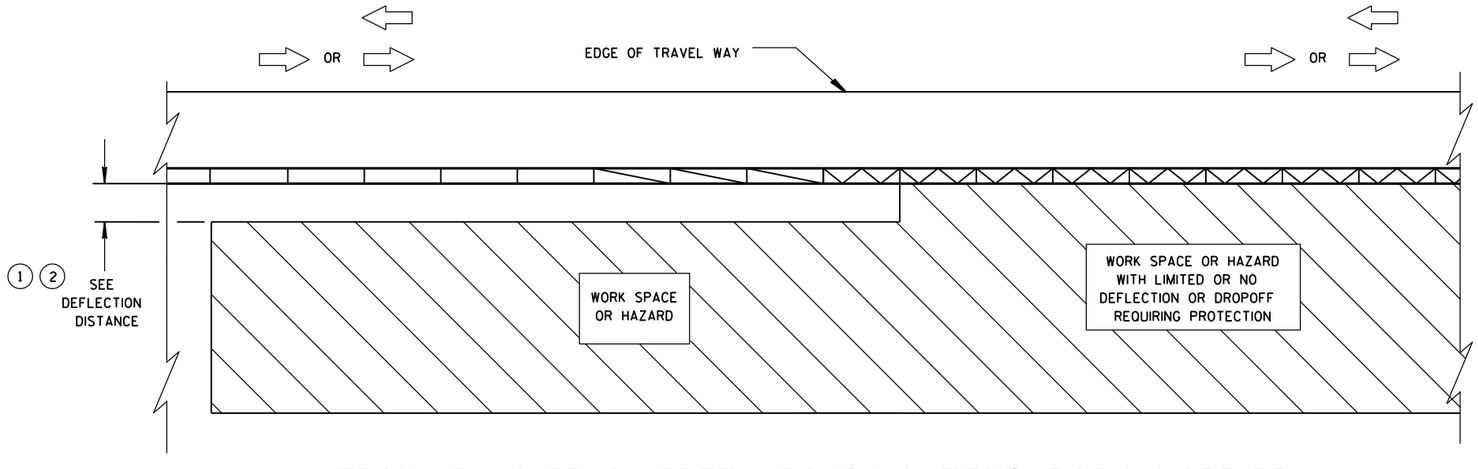


CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



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

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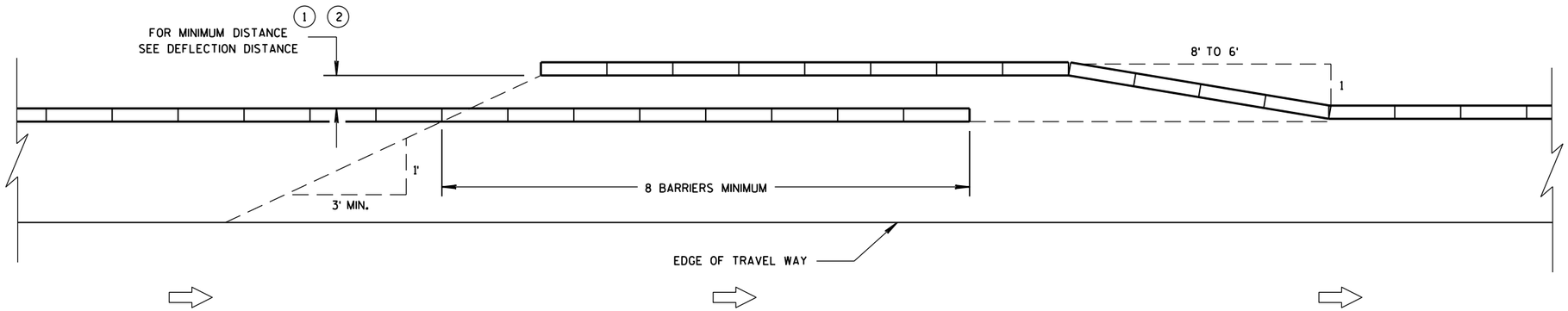
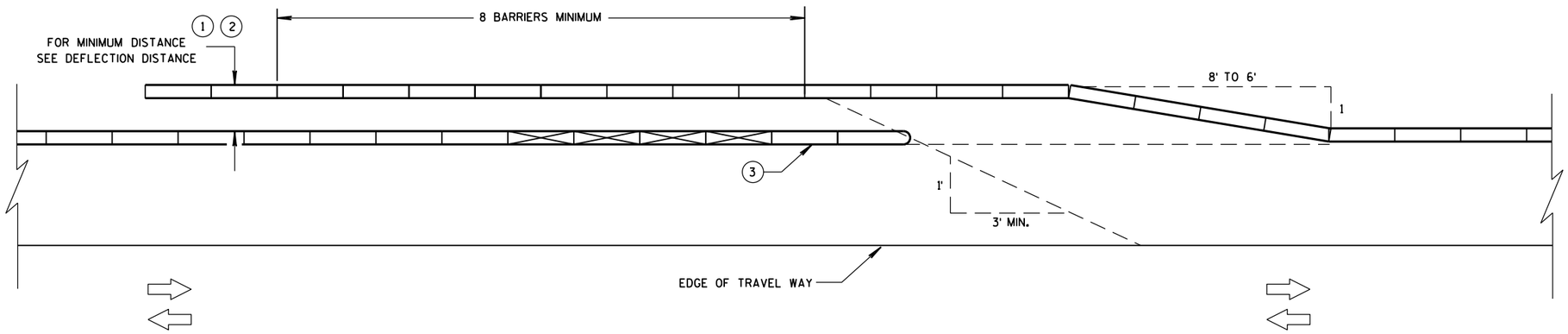
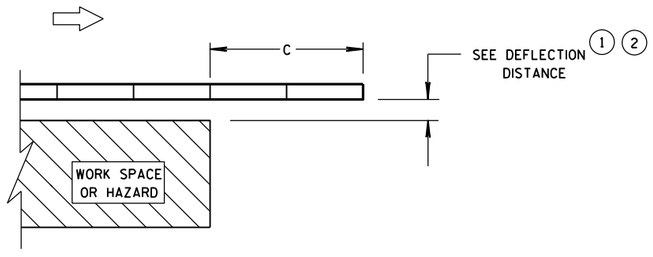


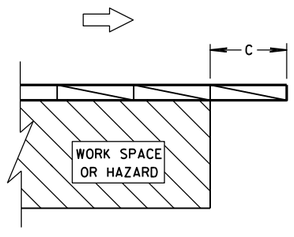
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



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 TRANSPO

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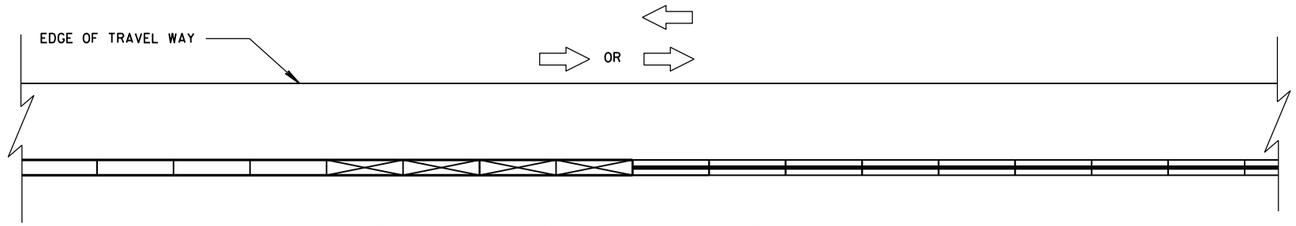
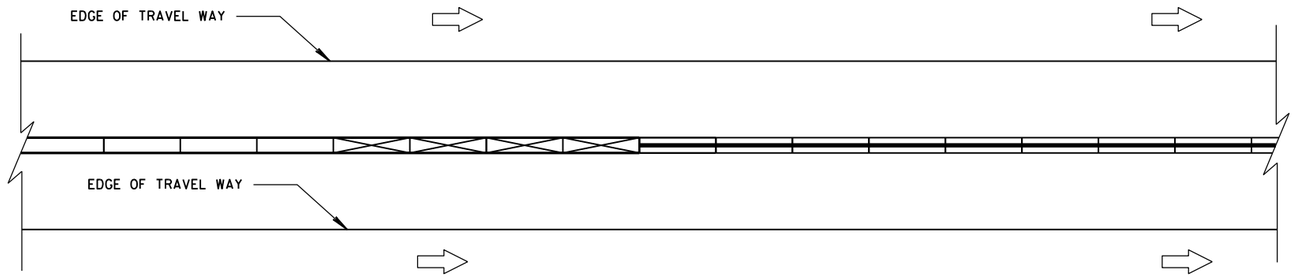
S.D.D. 14 B 8-2c



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

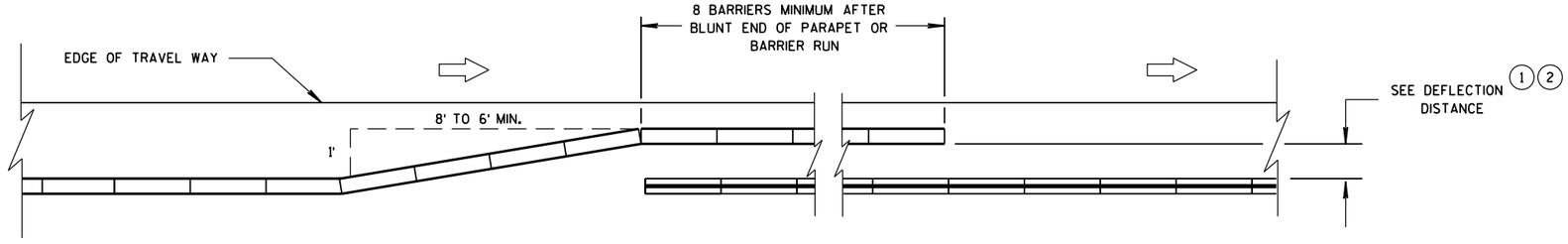
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

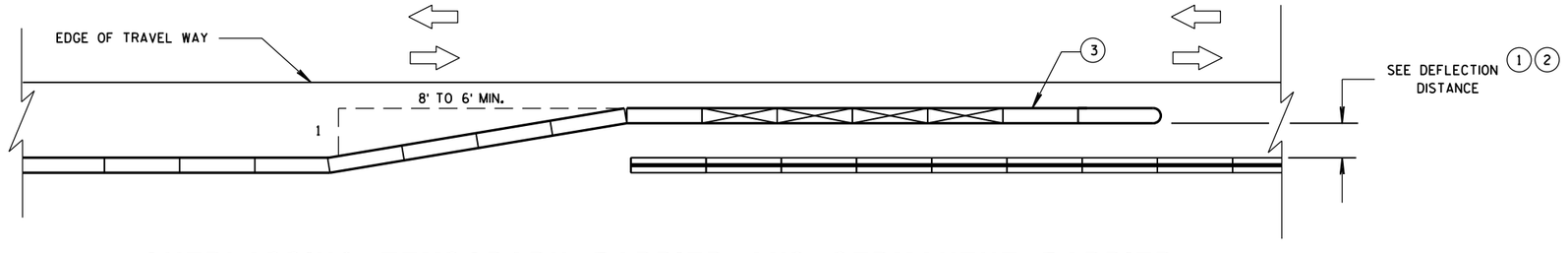
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

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

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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

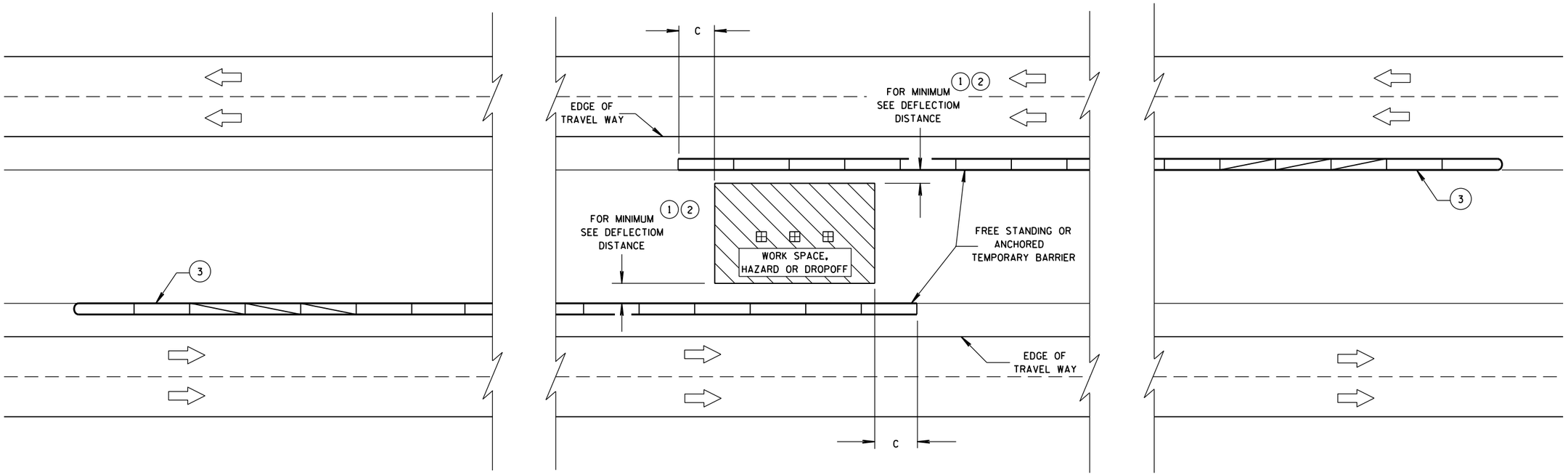
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

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
FHWA

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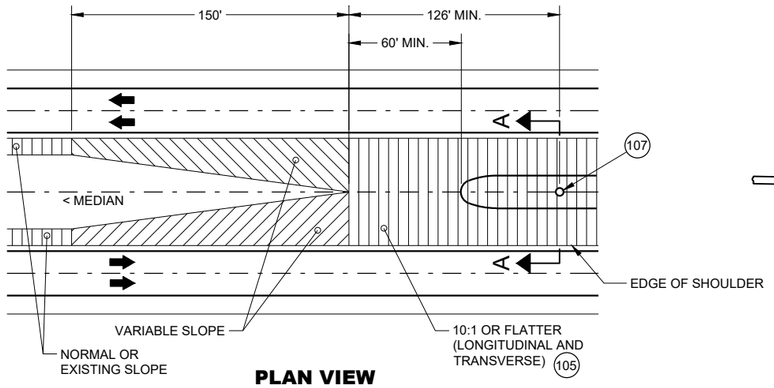
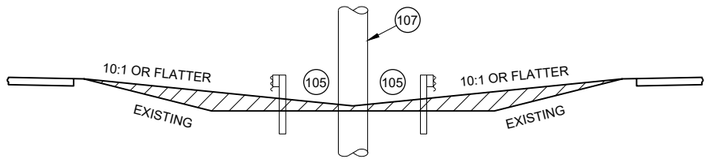
S.D.D. 14 B 8-2e



PLAN VIEW
GRADING AT BULLNOSE
(ALL INSTALLATIONS)



SECTION A -A
MEDIAN GRADING
(ALL INSTALLATIONS)

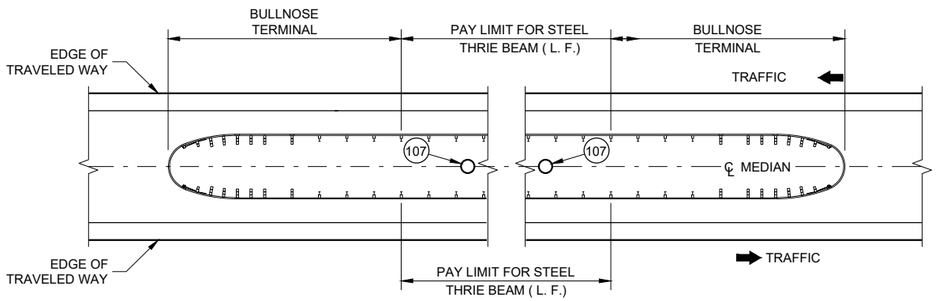
GENERAL NOTES

THRIE BEAM RAILS MAY NEED TO BE FIELD BENT TO FIT THE LOCATION.

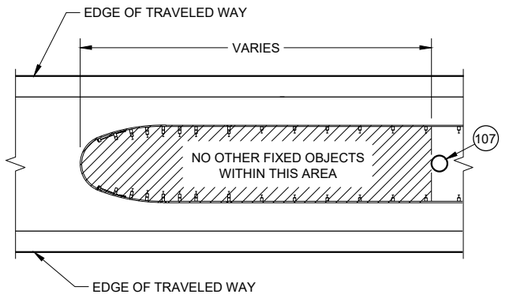
SEE STANDARD DETAIL DRAWINGS 14B26 SHEETS a-h.

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2 ½". MINIMUM DIAMETER OF THE ROCK REMOVAL IS 12" DIAMETER

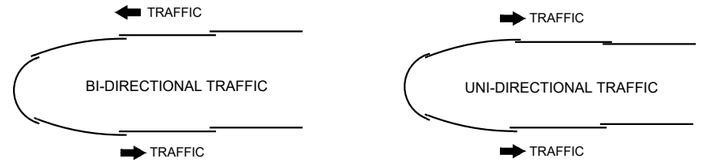
- E1 UNBENT STANDARD THRIE BEAM RAIL B1 (POST 8 TO POST 10 AND POST 10 TO POST 12)
- E2 SLOTTED THRIE BEAM RAIL E1 (POST 1 TO POST 1)
- E3 SLOTTED THRIE BEAM RAIL B3 (POST 5 TO POST 8)
- E4 SLOTTED THRIE BEAM RAIL E4 (POST 1 TO POST 5)
- 5 BEYOND POST 12: CONSTRUCT STEEL THRIE BEAM - USE UNBENT STANDARD THRIE BEAM RAIL NO. 5.
- (100) DIMENSIONS ARE FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO POST OR BLOCK.
- (101) U-BOLT CABLE CLIPS (3 PER CABLE) SPACED OUT ON NOSE, TO HOLD CABLE TO BACKSIDE OF THE RAIL.
- (102) NOSE CABLE WITH SWAGGED END BUTTONS.
- (103) NOSE CABLE ANCHOR PLATE (BACKSIDE OF SPLICE).
- (104) THE SLACK IN THE NOSE CABLES SHALL BE EVENLY DISTRIBUTED BETWEEN THE CABLE CLIP FASTENERS AND POST NO. 1 ON EITHER SIDE OF THE NOSE.
- (105) MINIMUM WORKING WIDTH 4' - 2".
- (106) MAX. WIDTH OF SYSTEM IS 14' - 2 ½" MEASURED FROM THE BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO A POST OR BLOCK.
- (107) FIXED OBJECT OR OTHER HAZARD.
- (108) PLAN IS TO PROVIDE STATION OFFSET TO CENTER OF POST 5 IN PLANS.



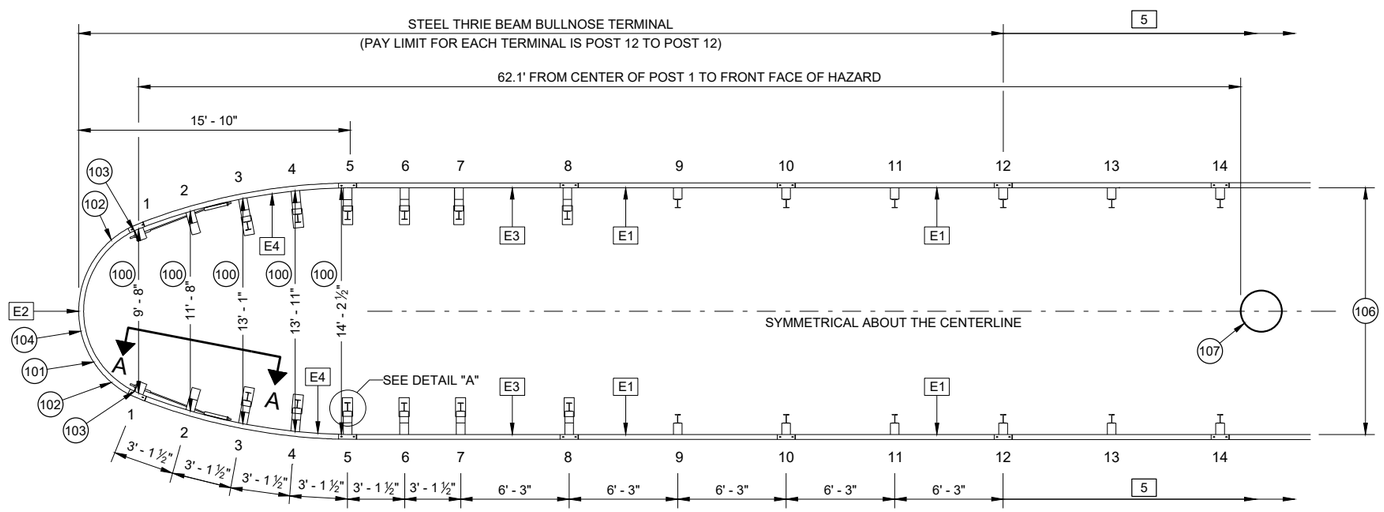
MEDIAN HAZARD PROTECTION PAY LIMITS



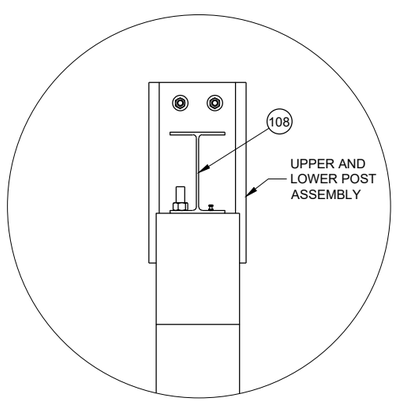
HAZARD FREE AREA
INSIDE BULLNOSE



LAPPING DETAIL



PLAN VIEW
TYPICAL BULLNOSE LAYOUT



DETAIL "A"

STEEL THRIE BEAM
BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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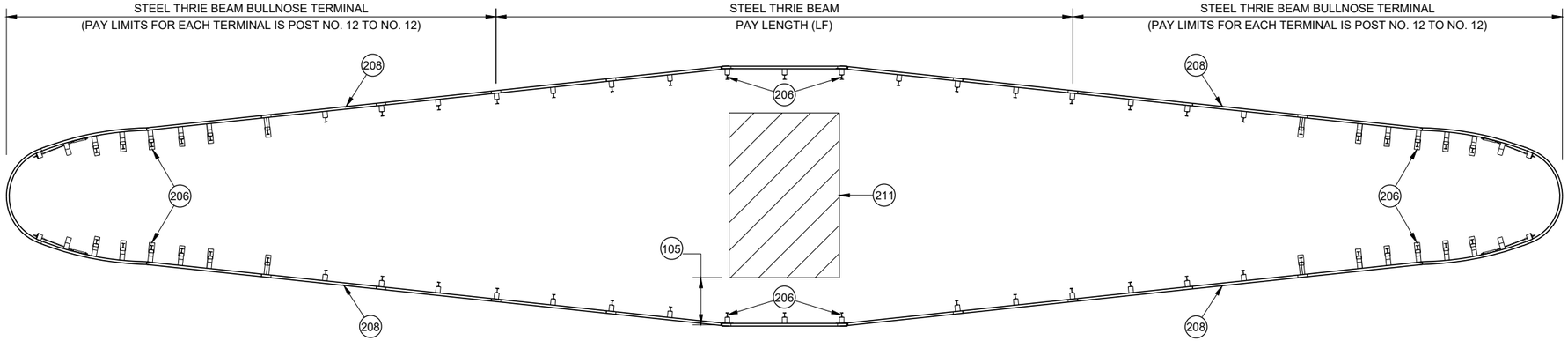
SDD 14B26 - 04a



VARIABLE WIDTH BULLNOSE

GENERAL NOTES

200 6' - 3" ASYMMETRICAL 10-GAUGE W-BEAM TO THRIE BEAM GUARD TRANSITION. SEE SDD 14B45 FOR MORE INFORMATION.

201 W-BEAM RAIL. SEE SDD 14B42 FOR MORE INFORMATION.

202 SEE POST NO. 9 AND ALL STEEL THRIE BEAM POST BEYOND DETAIL.

203 SEE SDD 14B42 FOR INSTALLATION INFORMATION.

204 SEE SDD 14B45 FOR INSTALLATION DETAILS. REPLACE ASYMMETRICAL W-BEAM TO THRIE BEAM TRANSITION AND W-BEAM RAIL WITH E1. PAY FOR MODIFIED THRIE BEAM TRANSITION.

205 CONCRETE BARRIER OR BRIDGE RAIL.

206 SEE PLAN FOR STATION AND OFFSET TO CENTER OF POST.

207 SEE PLAN FOR STATION AND OFFSET TO CENTER OF SPLICE.

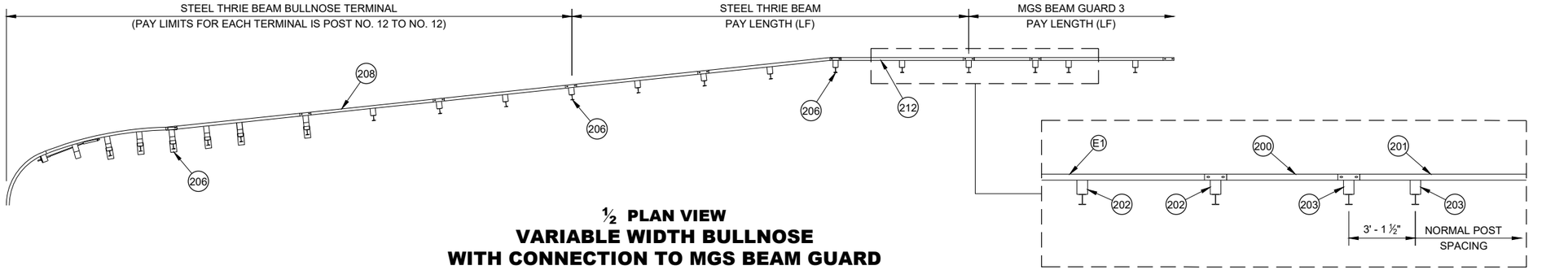
208 SEE PLAN FOR FLARE RATE.

209 A MINIMUM OF 25 FT OF THRIE BEAM TANGENT BEFORE TRANSITIONING TO BEAM GUARD OR THRIE BEAM TRANSITION.

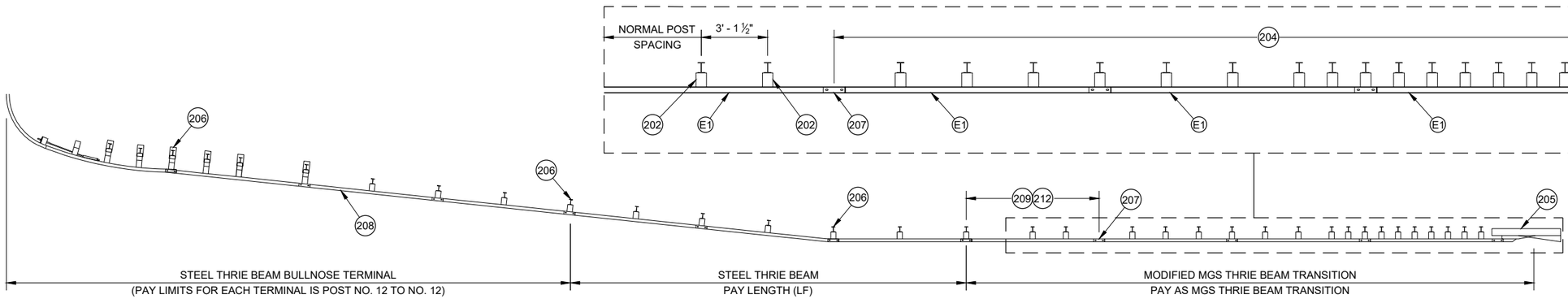
210 NOT ALL BULLNOSE HARDWARE SHOWN. SEE OTHER SHEETS IN 14B26.

211 WIDER HAZARD TO BE SHIELDED.

212 TRANSITION RAIL HEIGHT TO 31" OVER THE LENGTH OF A 12' - 6" BEAM SECTION.



½ PLAN VIEW
VARIABLE WIDTH BULLNOSE
WITH CONNECTION TO MGS BEAM GUARD



½ PLAN VIEW
VARIABLE WIDTH BULLNOSE
WITH CONNECTION TO RIGID BARRIER

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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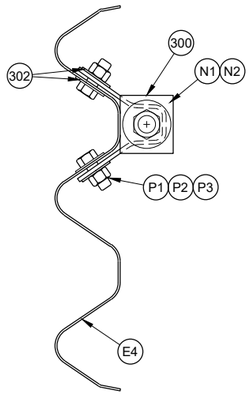
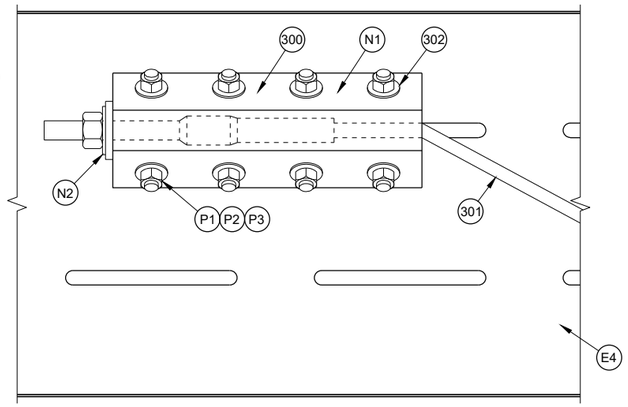
SDD 14B26 - 04b

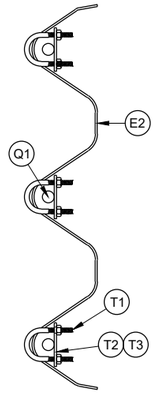


PROFILE VIEW

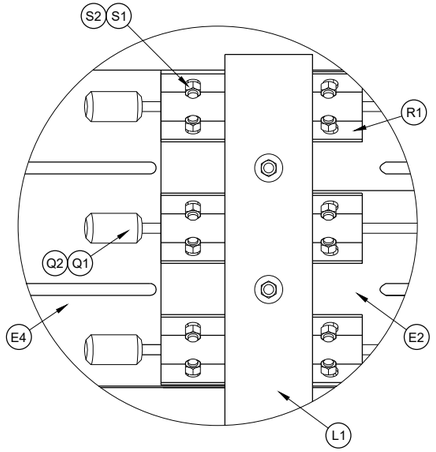
CABLE ANCHOR ASSEMBLY CONNECTION



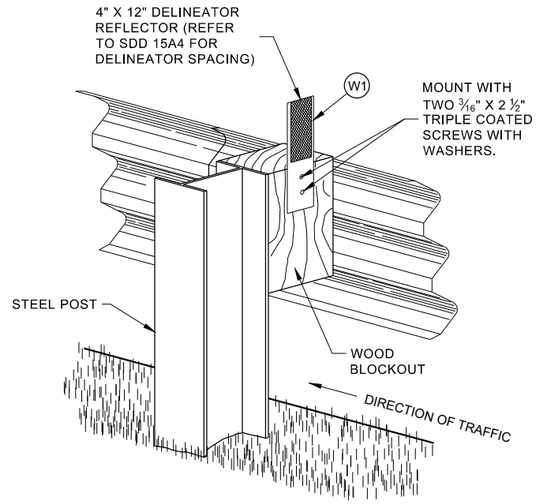
CABLE ANCHOR ASSEMBLY



NOSE CABLE RETAINING CLIP

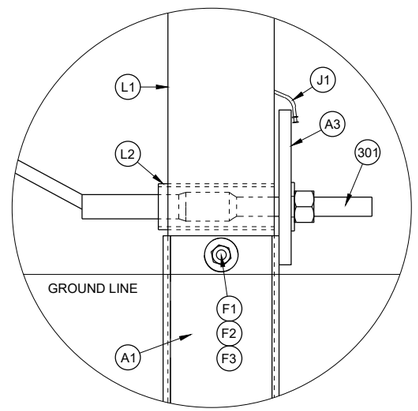


DETAIL "A"

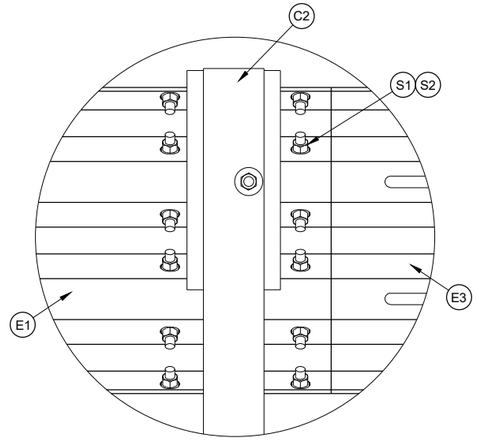


ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

CROSS SECTION A - A



DETAIL "B"



DETAIL "C"
THRIE BEAM SPLICE

GENERAL NOTES

(300) SEE ANCHOR BRACKET ASSEMBLY DETAIL.

(301) SEE ANCHOR CABLE ASSEMBLY DETAIL

(302) ONE WASHER BETWEEN BOLT HEAD AND RAIL AND BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

(303) ONE WASHER BETWEEN BOLD HEAD AND FOUNDATION TUBE AND BETWEEN NUT AND FOUNDATION TUBE.

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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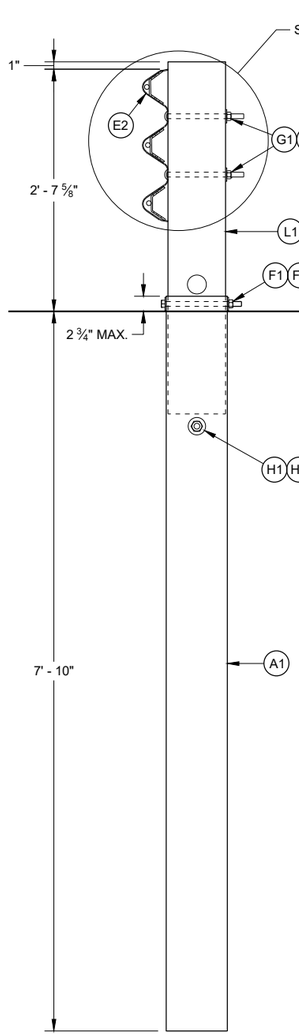
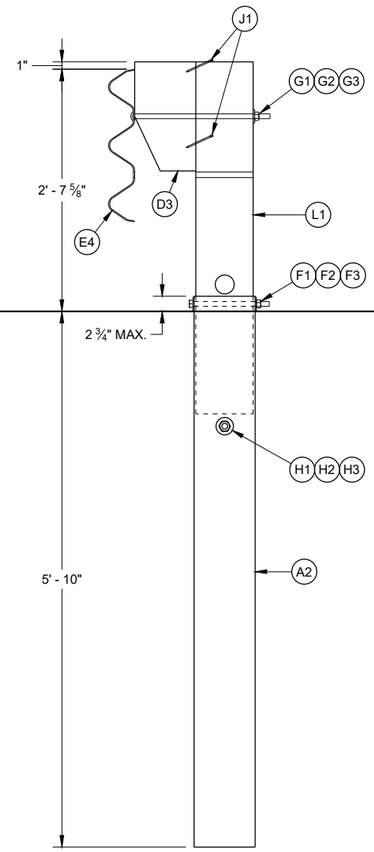
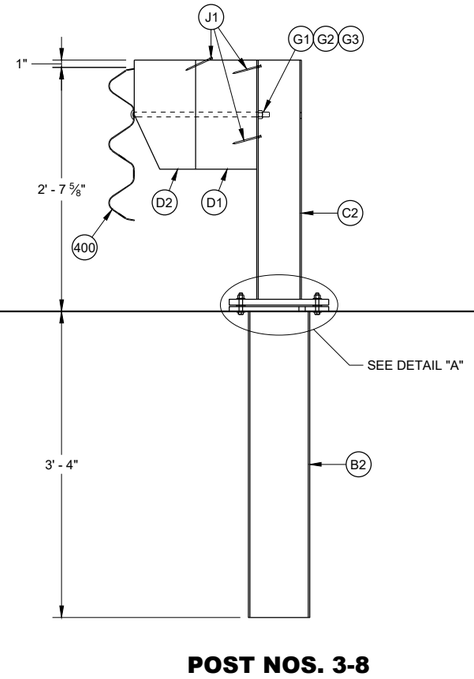
SDD 14B26 - 04c



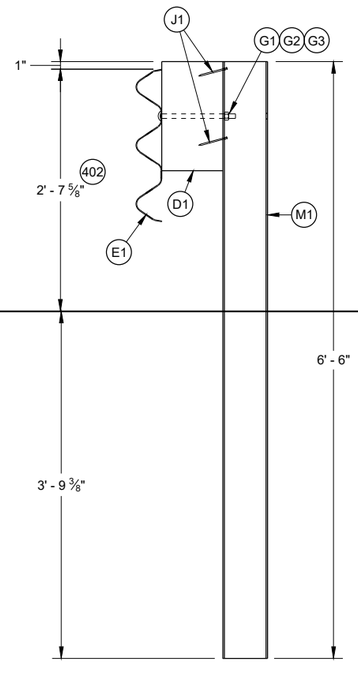
POST NO. 1



POST NO. 2



POST NOS. 3-8



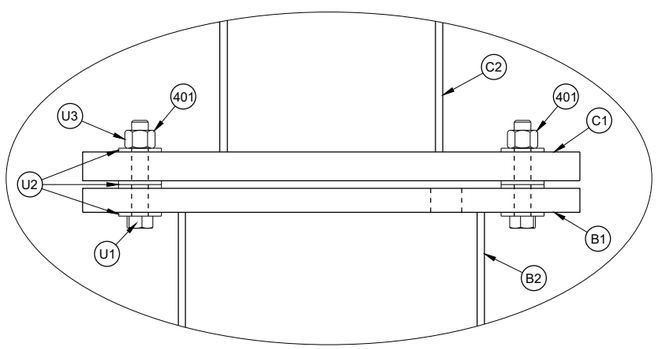
POST NOS. 9 AND ALL STEEL THRIE BEAM POSTS BEYOND

GENERAL NOTES

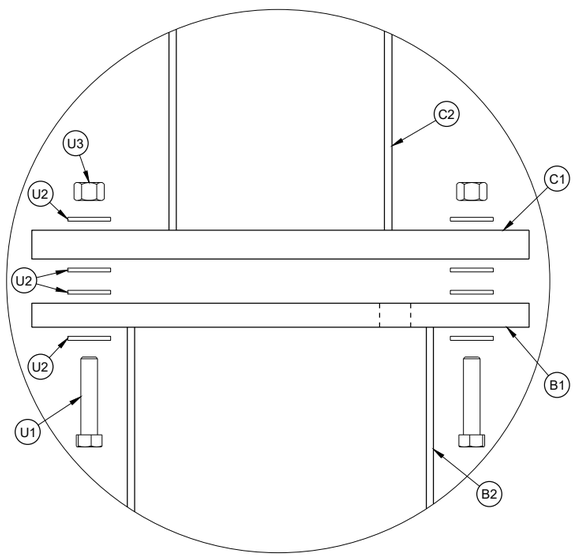
400 RAIL CAN BE E3 OR E4 DEPENDING ON POST LOCATION.

401 TORQUE BOLD BETWEEN 60-75 FT-LB

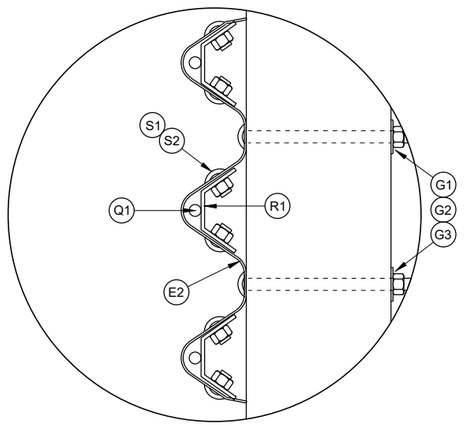
402 HEIGHT WILL VARY WITHIN HEIGHT TRANSITION TO OTHER HARDWARE. SEE NOTE 213, SHEET "b".



DETAIL "A"



EXPLODED VIEW
DETAIL "A"



DETAIL "B"

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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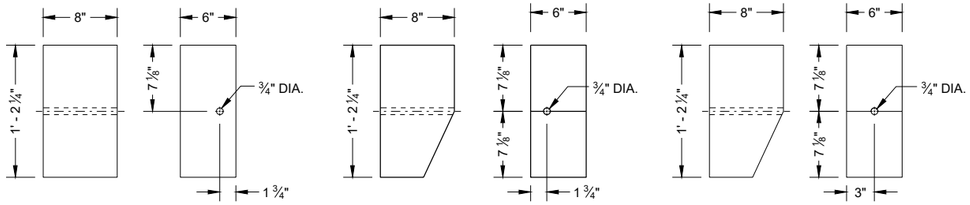
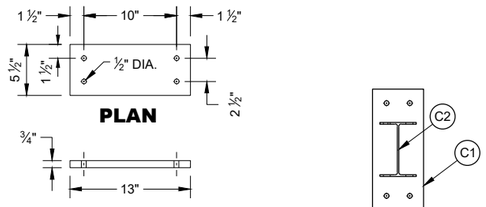
SDD 14B26 - 04d



ELEVATION PROFILE
BLOCKOUT (D1)

ELEVATION PROFILE
BLOCKOUT (D2)

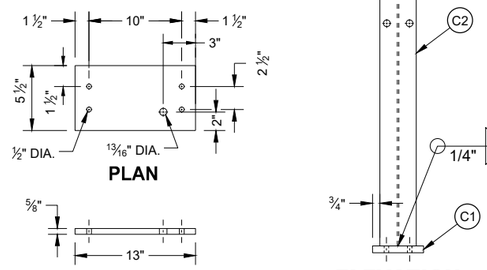
ELEVATION PROFILE
BLOCKOUT (D3)



PLAN

PROFILE

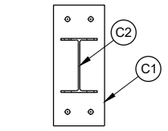
UPPER SHEAR PLATE (C1)



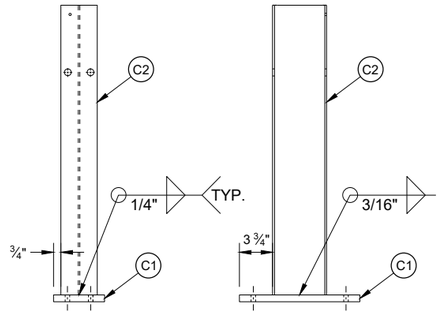
PLAN

PROFILE

LOWER SHEAR PLATE (B1)

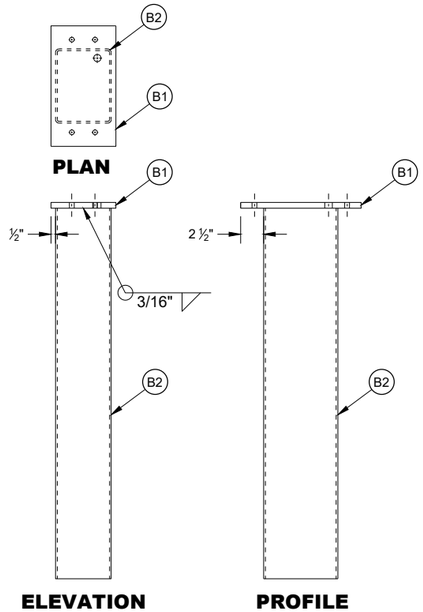


PLAN



ELEVATION PROFILE

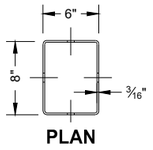
UPPER POST ASSEMBLY



PLAN

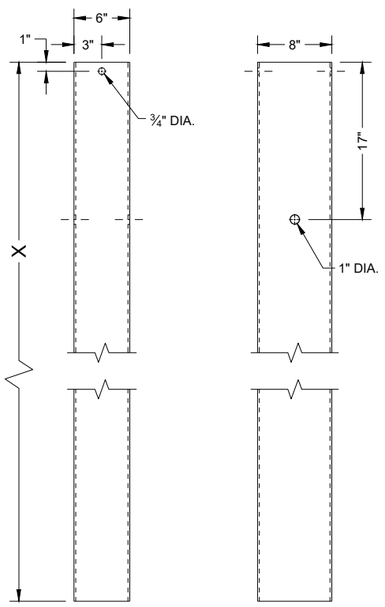
ELEVATION PROFILE

LOWER POST ASSEMBLY



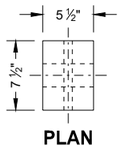
PLAN

PART	LENGTH "X"
A1	8' - 0"
A2	6' - 0"
B2	3' - 6"

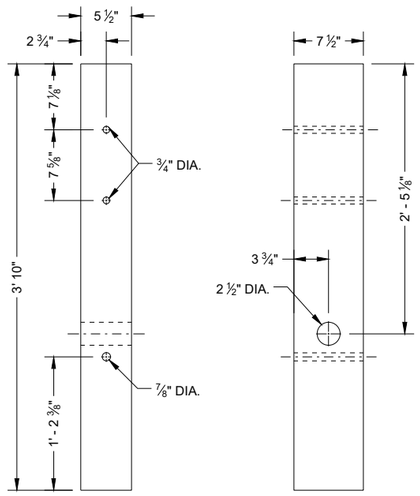


ELEVATION PROFILE

FOUNDATION TUBE

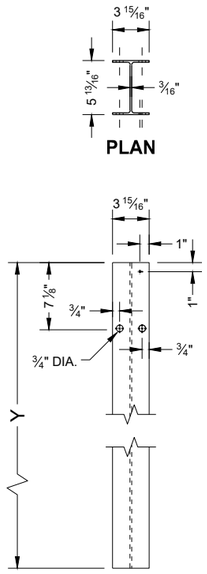


PLAN



ELEVATION PROFILE

BCT POST (L1)



PLAN

ELEVATION

POST

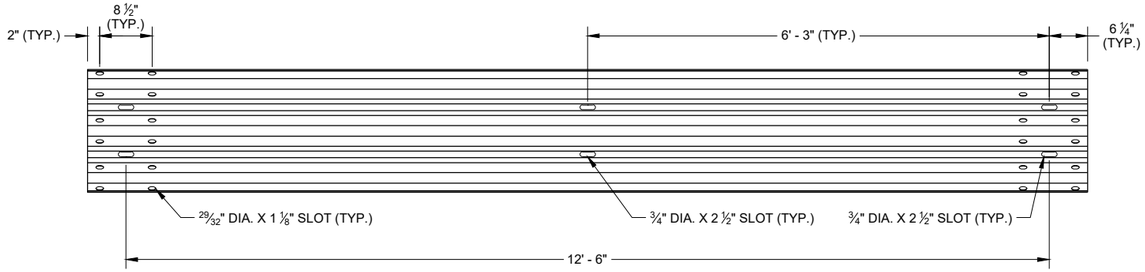
PART	LENGTH "Y"
M1	6' - 6"
M2	5' - 8 5/8"
C2	2' - 8 5/8"

STEEL THRIE BEAM BULLNOSE TERMINAL

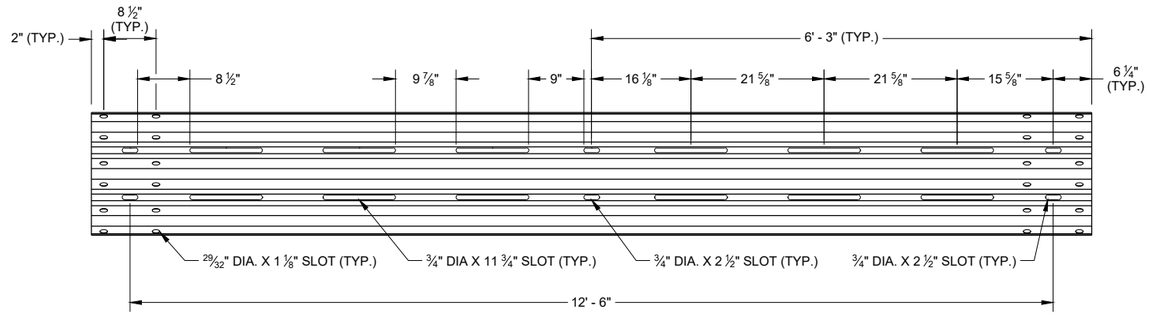
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

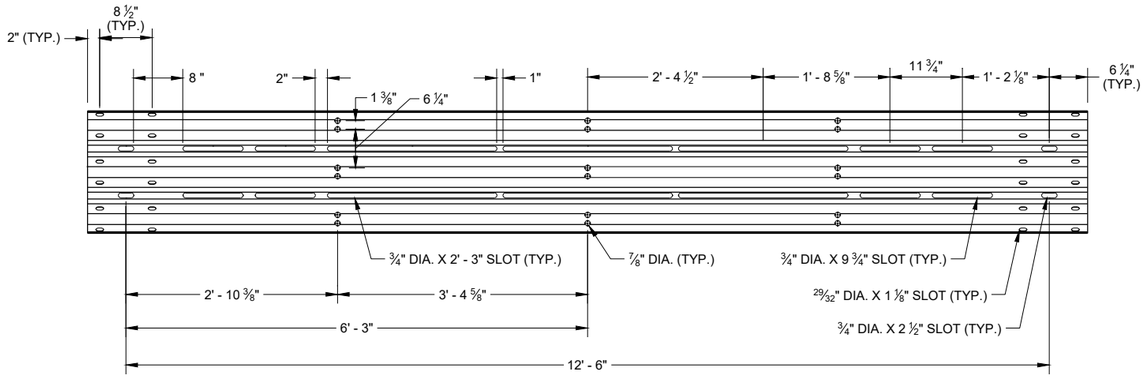
SDD 14B26 - 04e



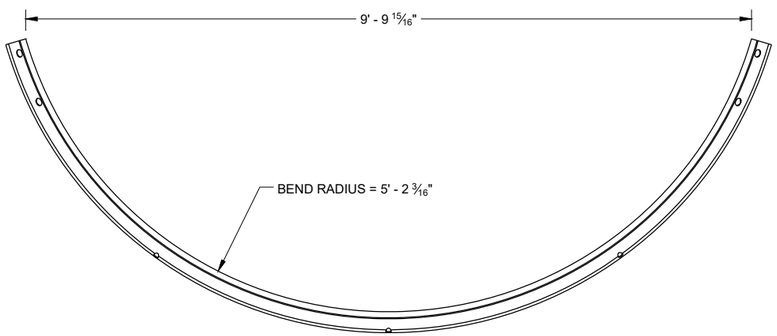
SLOTTED THRIE BEAM RAIL E1



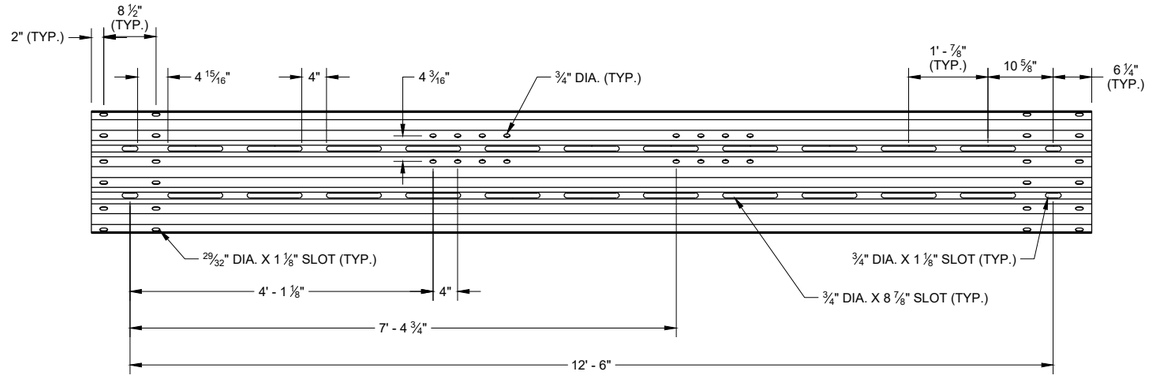
SLOTTED THRIE BEAM RAIL E3



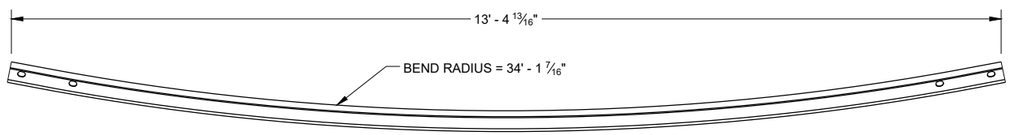
ELEVATION VIEW NON - RADIUSED
SLOTTED THRIE BEAM RAIL E2



PLAN VIEW
SLOTTED THRIE BEAM RAIL E2



ELEVATION VIEW NON - RADIUSED
SLOTTED THRIE BEAM RAIL E4



PLAN VIEW
SLOTTED THRIE BEAM RAIL E4

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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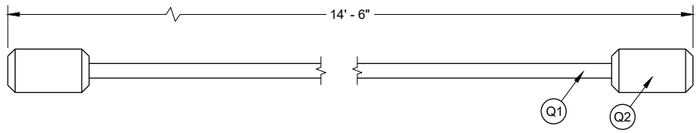
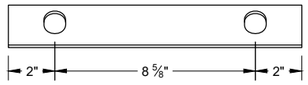
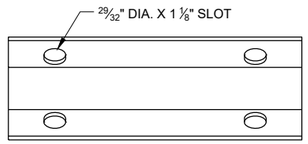


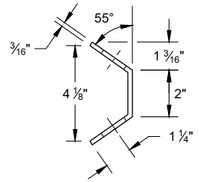
NOSE CABLE AND SWAGE BUTTON



PLAN VIEW

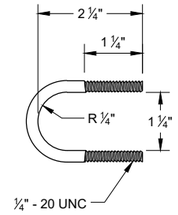


ELEVATION VIEW

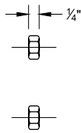


PROFILE VIEW

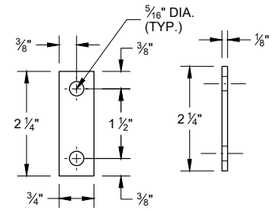
NOSE CABLE ANCHOR (R1)



U - BOLT (T1)

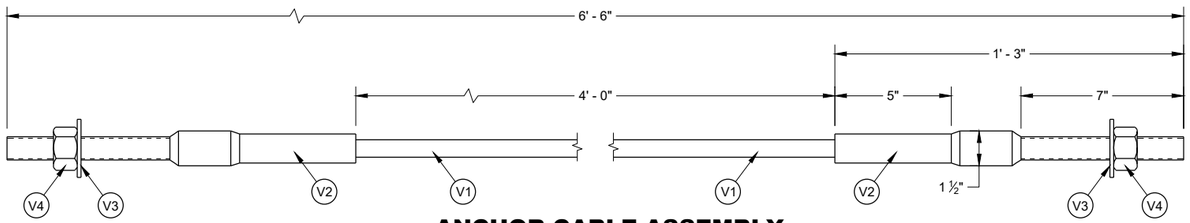


U - BOLT NUT (T3)

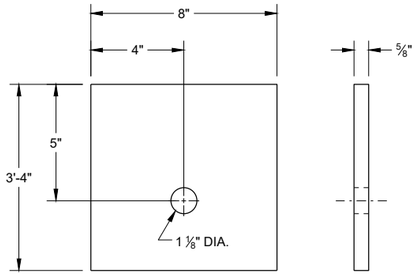


ELEVATION VIEW **PROFILE VIEW**

U - BOLT PLATE WASHER (T2)

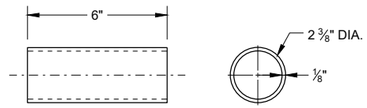


ANCHOR CABLE ASSEMBLY



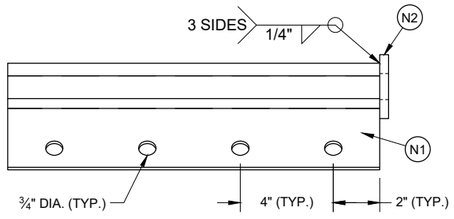
ELEVATION VIEW **PROFILE VIEW**

BCT BEARING PLATE (A3)

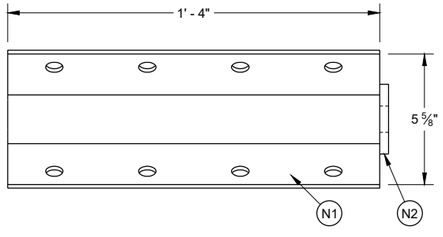


ELEVATION VIEW **PROFILE VIEW**

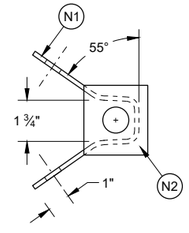
BCT POST SLEEVE (L2)



PLAN VIEW

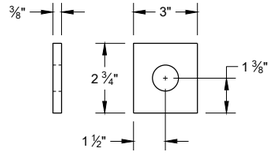


ELEVATION VIEW



PROFILE VIEW

ANCHOR BRACKET ASSEMBLY (N1)



ANCHOR BRACKET END PLATE (N2)

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B26 - 04g

BILL OF MATERIALS LIST

PART NUMBER	DESCRIPTION	MATERIAL SPECIFICATION
A1	LONG FOUNDATION TUBE	AASHTO M111/ASTM A123 ASTM A500 GRADE B OR ASTM A-501
A2	FOUNDATION TUBE	AASHTO M111/ASTM A123 ASTM A500 GRADE B OR ASTM A-501
A3	BEARING PLATE AT 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	LOWER SLIP POST 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
B2	LOWER SLIP POST ASSEMBLY - TUBE	AASHTO M111/ASTM A123 ASTM A500 GRADE B OR ASTM A-501
C1	UPPER SLIP POST 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
C2	UPPER SLIP POST ASSEMBLY - POST	AASHTO M111/ASTM A123 ASTM A6 W6X9 OR W6X8.5 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
D1	BLOCK FOR STEEL POST - WOOD	WISDOT SPEC. 614
D2	TAPERED BLOCK FOR STEEL POST - WOOD	WISDOT SPEC. 614
D3	TAPERED BLOCK FOR BCT POST - WOOD	WISDOT SPEC. 614
E1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER
E2	THRIE BEAM RAIL - SHOP BENT AND PUNCHED	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER. INDICATE RADIUS BEAM GUARD IS BENT TO ON THE BACKSIDE OF RAIL. FOLLOW AASHTO M180. MARK RADIUS.
E3	THRIE BEAM RAIL - PUNCHED	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER
E4	THRIE BEAM RAIL - SHOP BENT AND PUNCHED	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER. INDICATE RADIUS BEAM GUARD IS BENT TO ON THE BACKSIDE OF RAIL. FOLLOW AASHTO M180. MARK RADIUS.
F1	5/8" DIA. HEX HEAD GROUND STRUT AND YOKE 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
F2	5/8" DIA. GROUND STRUT AND YOKE 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)
F3	GROUND STRUT AND YOKE 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
G1	5/8 " DIA. 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 F436 TYPE 1 (HARDEN WASHER TYPICALLY USED WITH STEEL POSTS) OR ASTM F844 (UNHARDENED WASHER TYPICALLY USED WITH WOOD)
G2	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 TYPICALLY USED WITH STEEL POSTS) OR ASTM F844 (UNHARDENED WASHER TYPICALLY USED WITH WOOD)
G3	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
H1	7/8" DIA. SOIL 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 7/8" ASTM A563DH OR SAE J995 GRADE 5
H2	SOIL TUBE 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 7/8" ASTM F844 TYPE 1 (HARDEN WASHER ONLY)
H3	SOIL TUBE 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 7/8" ASTM A563DH OR SAE J995 GRADE 5
J1	16D DOUBLE HEAD NAIL	ASTM A153 HOT DIPPED CLASS D DOUBLE HEAD ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEADED)
L1	BCT TIMBER POST	WISDOT SPEC. 614 S4S FINISH ON 4 SIDE
L2	BCT POST SLEEVE	AASHTO M111/ASTM A123 2 3/8" OD ASTM 53 GRADE B
M1	W6X8.5 OR W6X9 STEEL POST	AASHTO M111/ASTM A123 ASTM A6 W6X9 OR W6X8.5 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	W6X8.5 OR W6X9 STEEL POST	AASHTO M111/ASTM A123 ASTM A6 W6X9 OR W6X8.5 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
N1	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
N2	ANCHOR BRACKET - 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

PART NUMBER	DESCRIPTION	MATERIAL SPECIFICATION
P1	5/8" DIA. 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 HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36
P2	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)
P3	SOIL TUBE 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
Q1	5/8" DIA. NOSE CABLE	6X19 AASTHO M30 / ASTM A741 XIPS INDEPENDENT WIRE CORE (IWRC) PR 6X25 XIPS, IWRC NOMINAL BREAKING STRENGTH OF 41.2 KIPS.
Q2	NOSE CABLE-SWAGE BUTTON	COLD TUFF BUTTON, S-409 SIZE NO. 12 STOCK NUMBER 1040395 OR ANY OTHER SIMILAR SIZED WAGED-GRIP-BUTTON FERRULES. ASTM A576 GRADE 1035 SWAGE FITTING ARE TO BE FIELD SWAGED PER MANUFACTURERS RECOMMENDATION. NOMINAL BREAKING STRENGTH OF 41.2 KIPS.
R1	NOSE CABLE 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
S1	5/8" DIA. SPLICE BOLT - 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
S2	SPLICE - 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 5/8" ASTM A563DH OR SAE J995 GRADE 5
T1	1/4" DIA. NOSE CABLE - U 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
T2	U-BOLT - PLATE 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)
T3	U-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
U1	7/16" DIA. SLIP POST ASSEMBLY - BREAKAWAY BOLT	ASTM A153 OR B695 CLASS 55 OR F2329 UNC FULLY THREADED HEX HEAD TAP BOLT ASTM A449 OR SAE J429 GRADE 5
U2	7/16" DIA. SLIP POST ASSEBLY - BREAKAWAY BOLT - WASHER	ASTM F436 TYPE I (HARDEN TYPICALLY USED WITH STEEL) GALV. AASHTO M111/ASTM A 123 OR GALV. HOT DIP. TO POST BOLT CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 55, F2329
U3	SLIP POST ASSEBLY - 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 / STM 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
V1	U-BOLT - PLATE 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)
V2	ANCHOR CABLE-SWAGE FITTING	UNC ASTM A576 GRADE 1035 SWAGE FITTING ARE TO BE FACTORY SWAGED. 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."
V3	1" DIA. ANCHOR CABLE-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)
V4	1" DIA. ANCHOR CABLE-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
W1	REFLECTOR	SEE SDD 15A4

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SDD 14B26 - 04h

SDD 14B26 - 04h

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

August 2020
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

(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.

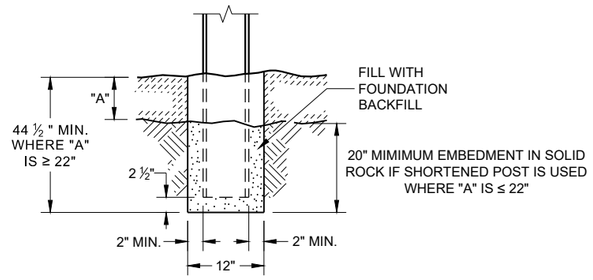
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL 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).

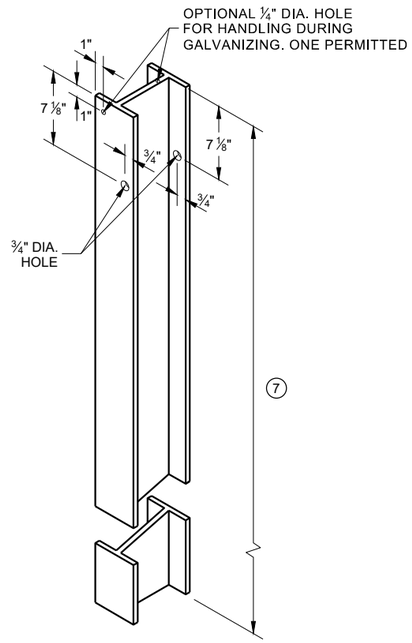
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(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.

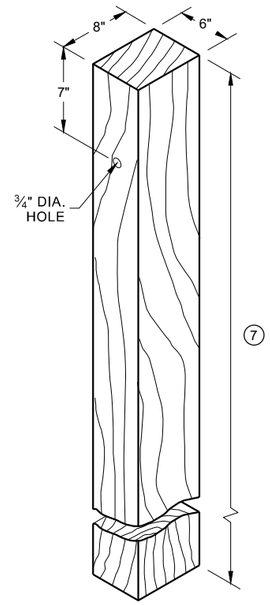
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



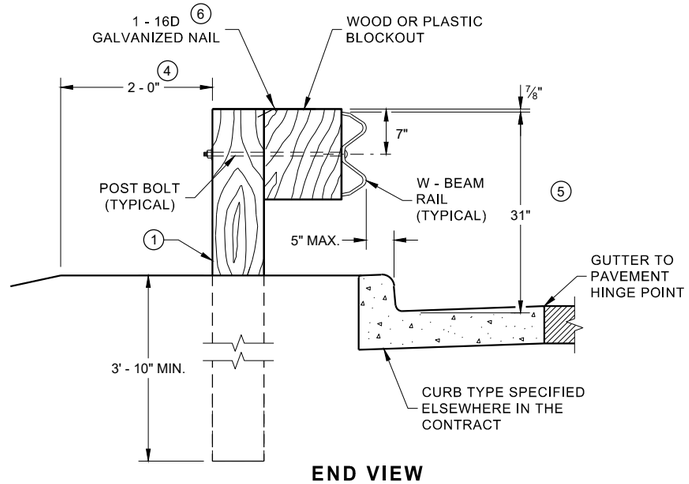
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



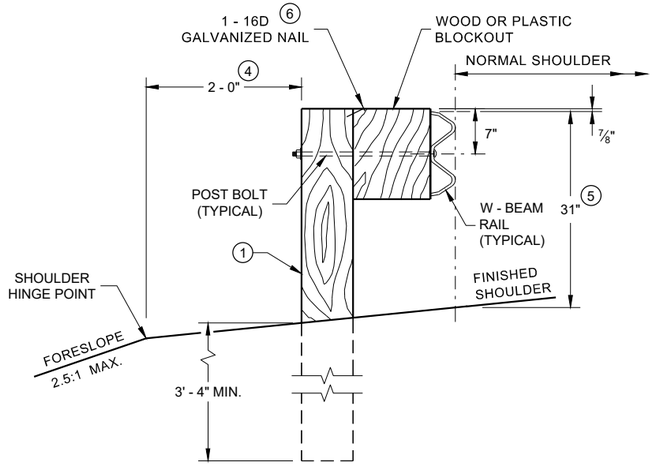
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



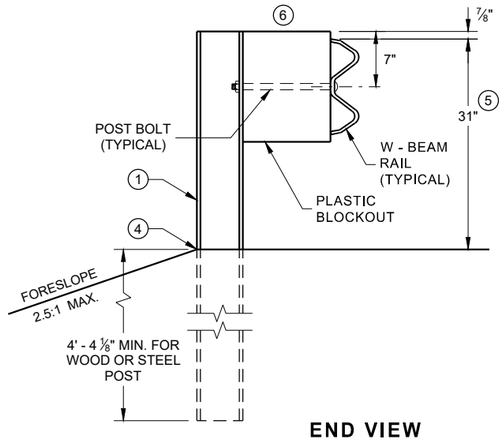
WOOD POST (6" X 8") NOMINAL (1)



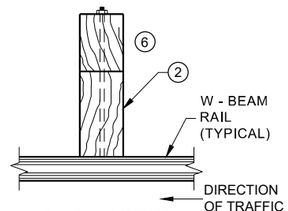
END VIEW
LOCATED ALONG A CURBED ROADWAY



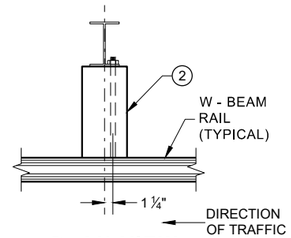
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



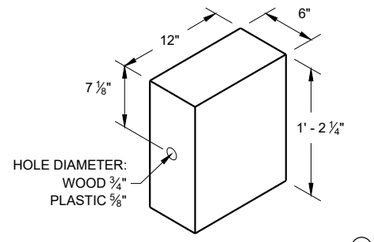
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM

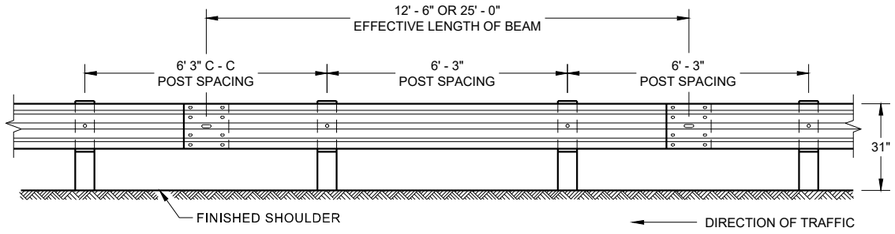


WOOD OR PLASTIC BLOCKOUT (2)

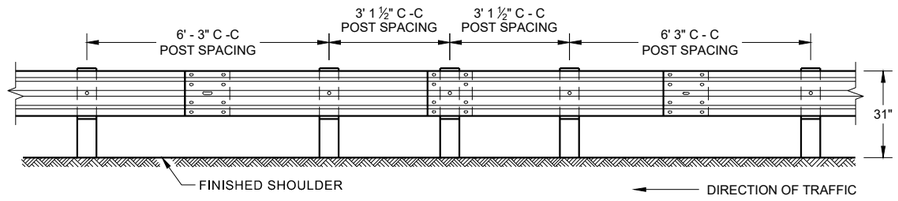
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

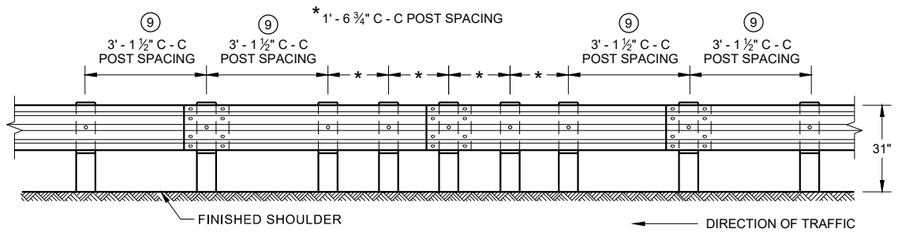
SDD 14B42 - 07a



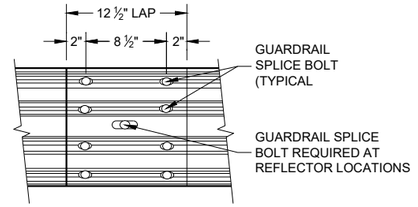
FRONT VIEW
POST SPACING STANDARD INSTALLATION



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

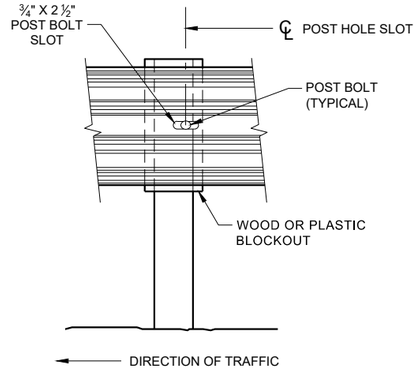
GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

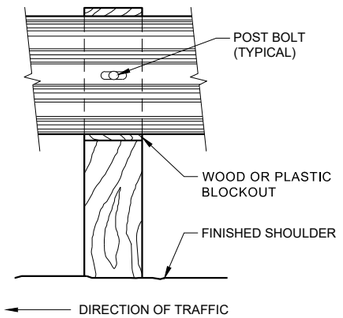
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

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.

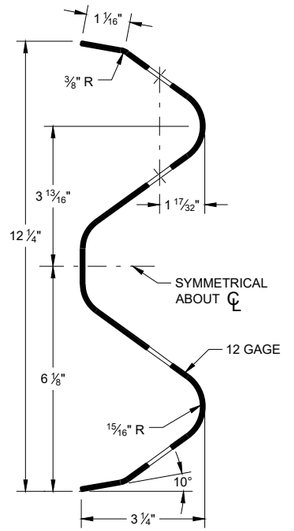
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



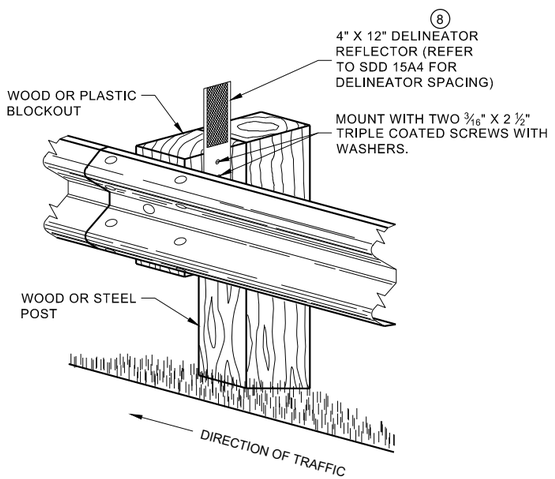
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



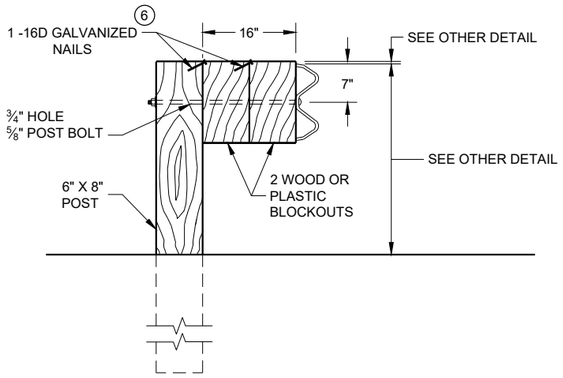
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

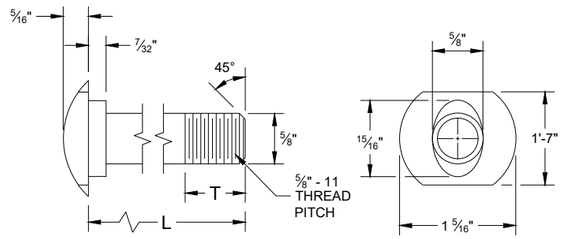


DETAIL FOR 16" BLOCKOUT DEPTH

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.

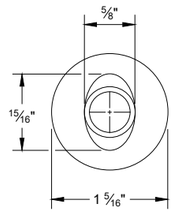
NOTE:

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.

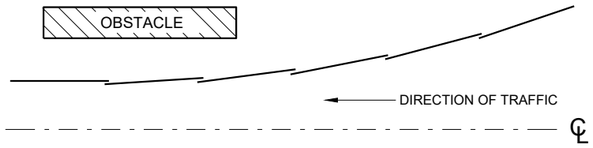


POST BOLT TABLE

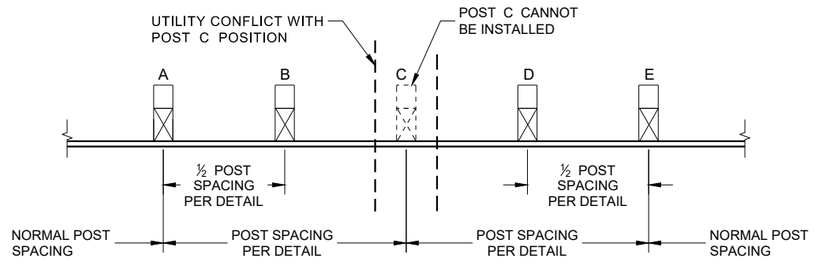
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



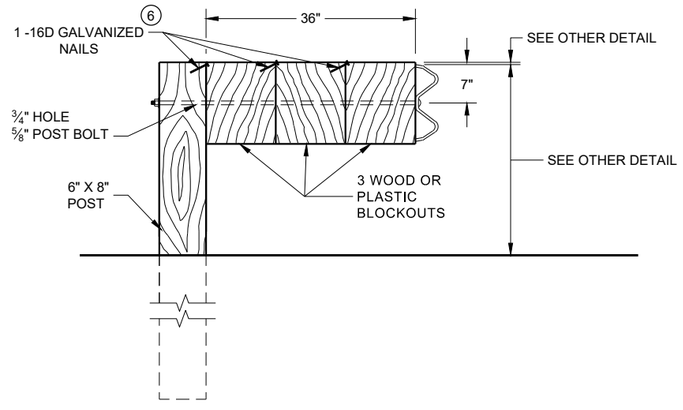
ALTERNATE BOLT HEAD



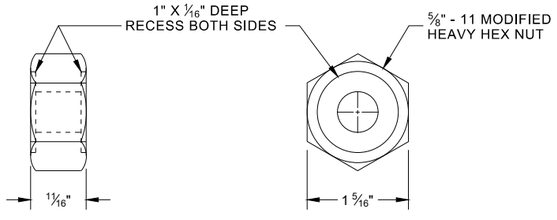
PLAN VIEW
BEAM LAPPING DETAIL



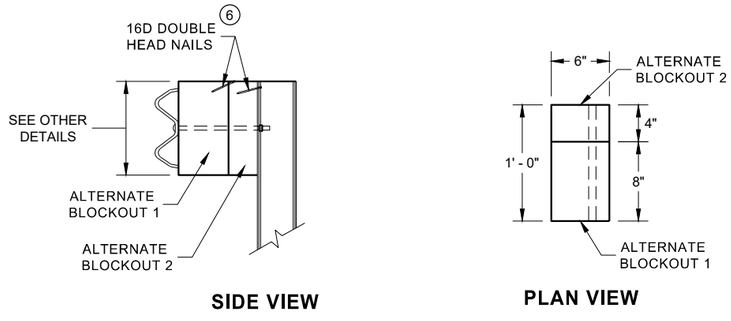
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



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.

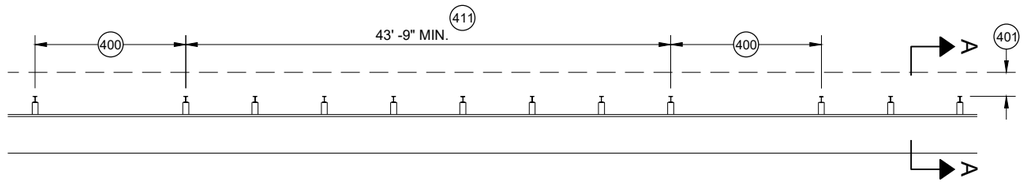
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(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.

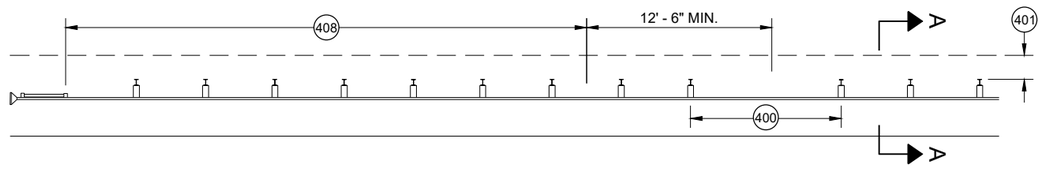
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

6

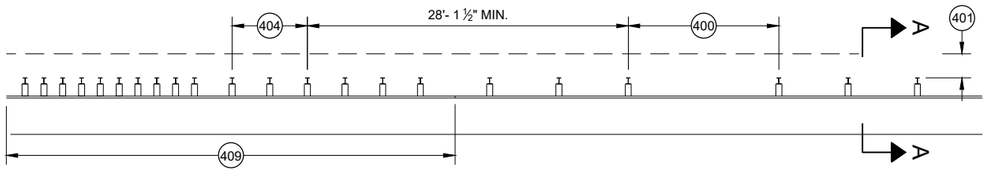
SDD 14B42 - 07c



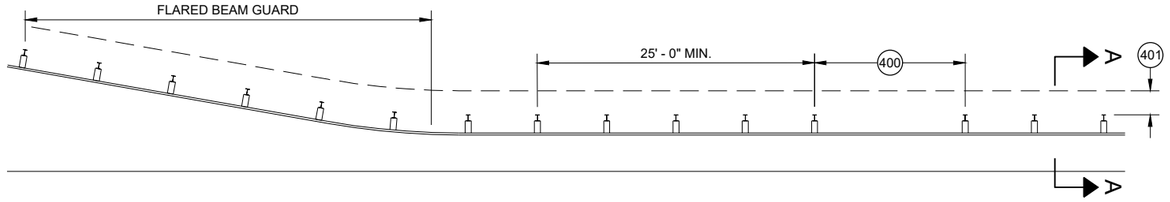
MISSING POST IN MGS GUARDRAIL



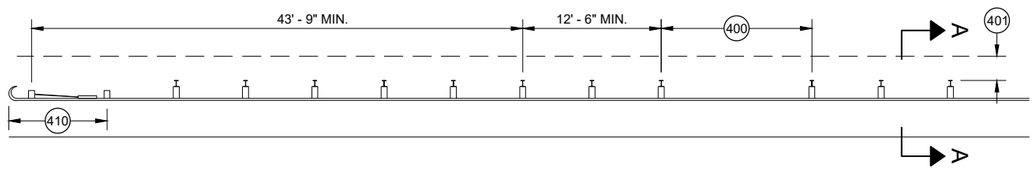
MISSING POST IN MGS GUARDRAIL NEAR EAT



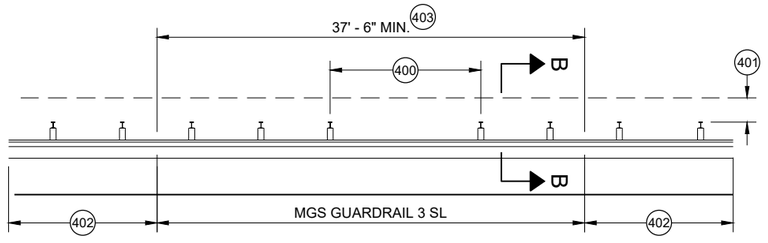
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

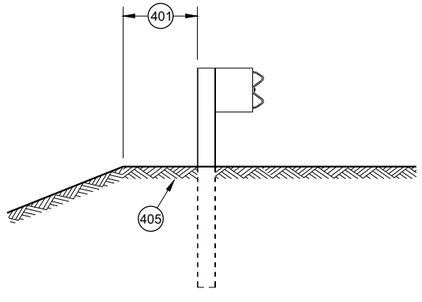


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

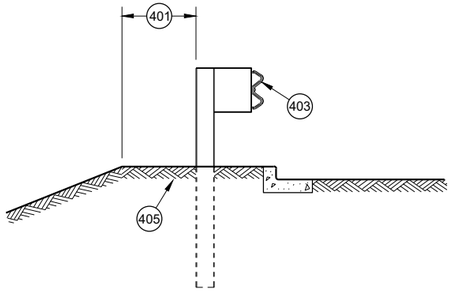


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(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

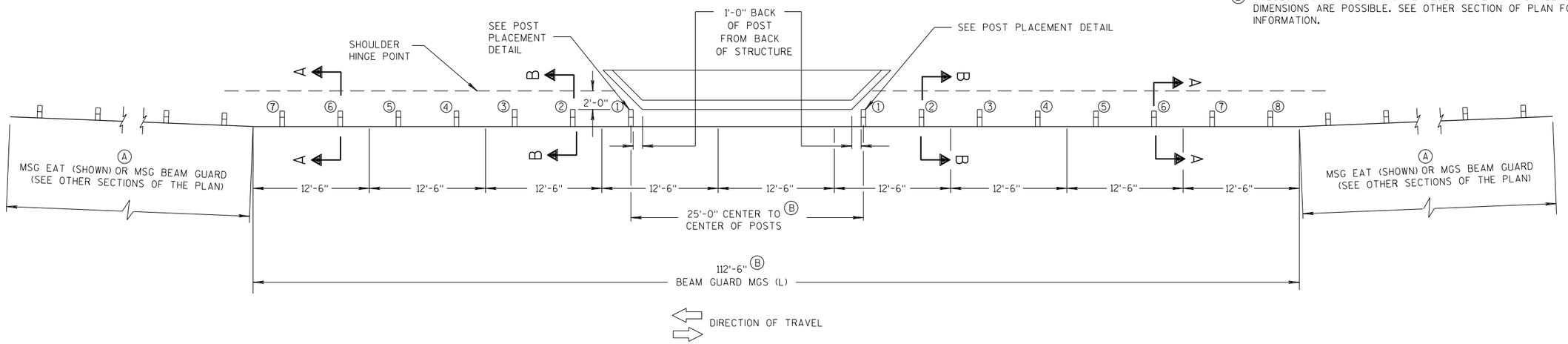
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

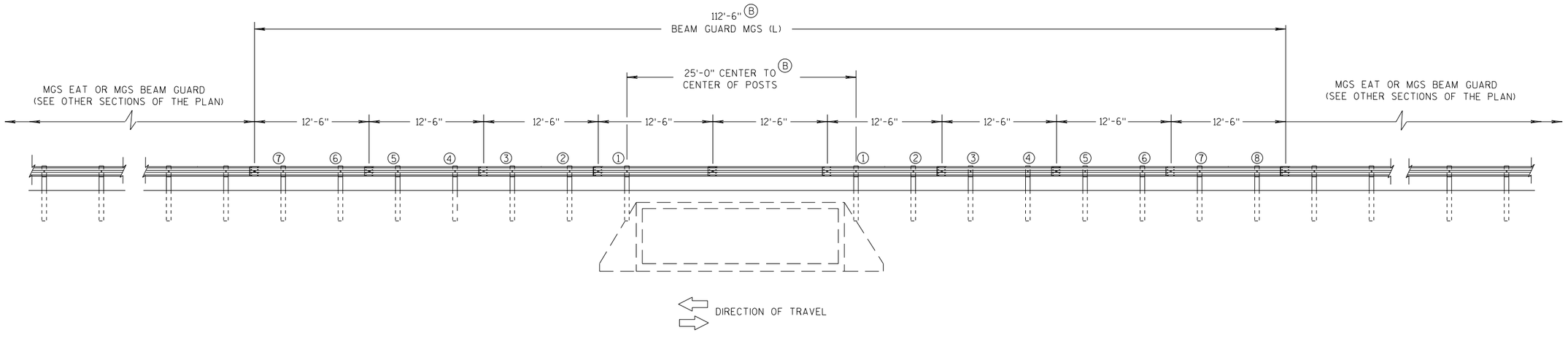
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 43-4a

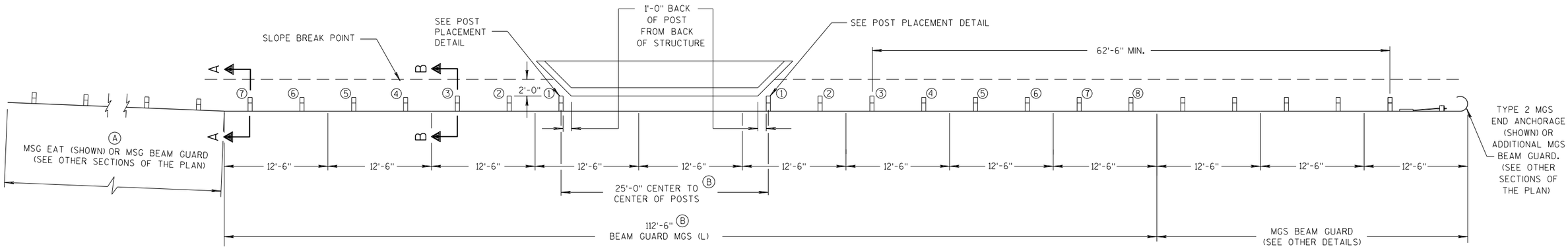
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

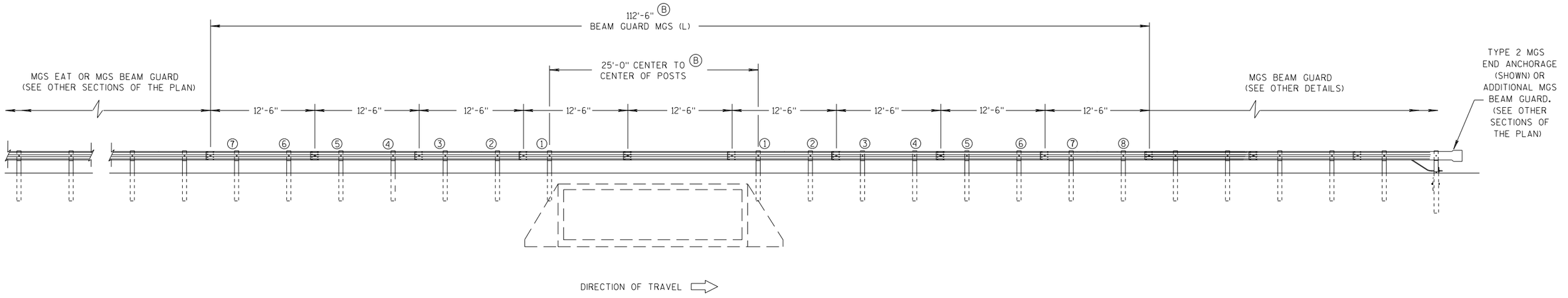
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) ONE-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	451

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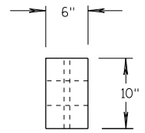
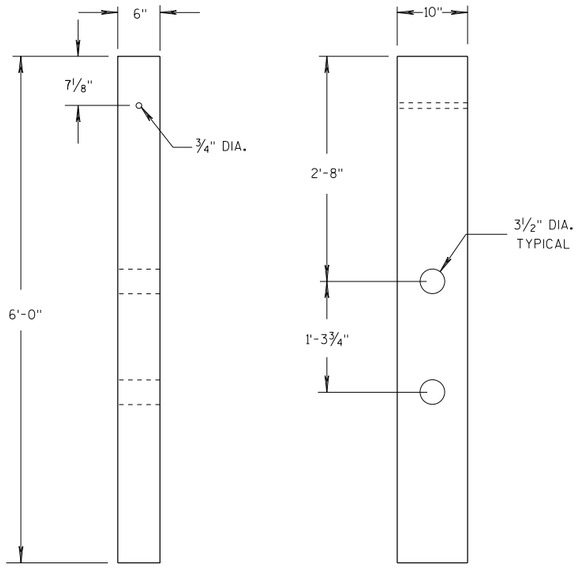
S.D.D. 14 B 43-4b

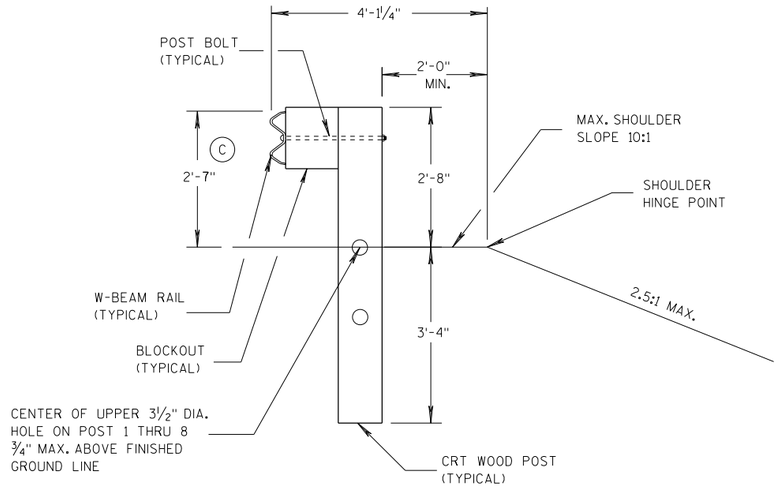


PLAN VIEW



FRONT VIEW SIDE VIEW

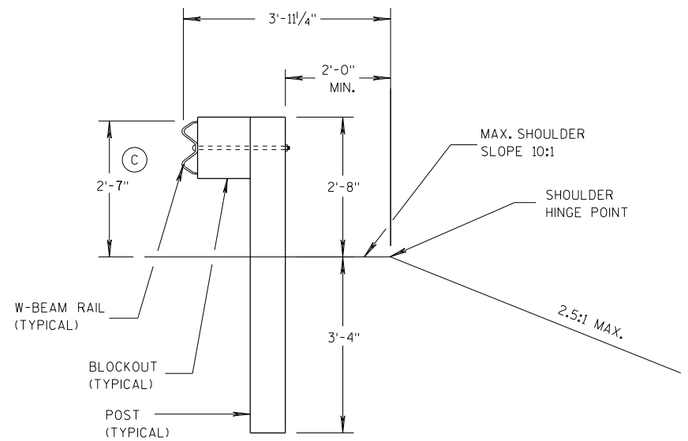
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



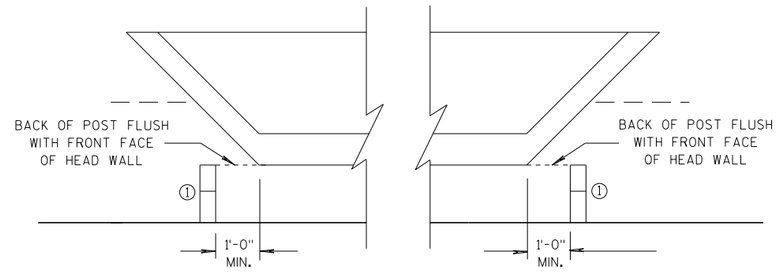
SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D452 NT
ENGINEER

6

S.D.D. 14 B 43-4c

6

S.D.D. 14 B 43-4c

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.

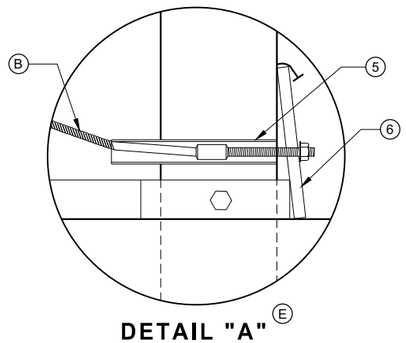
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

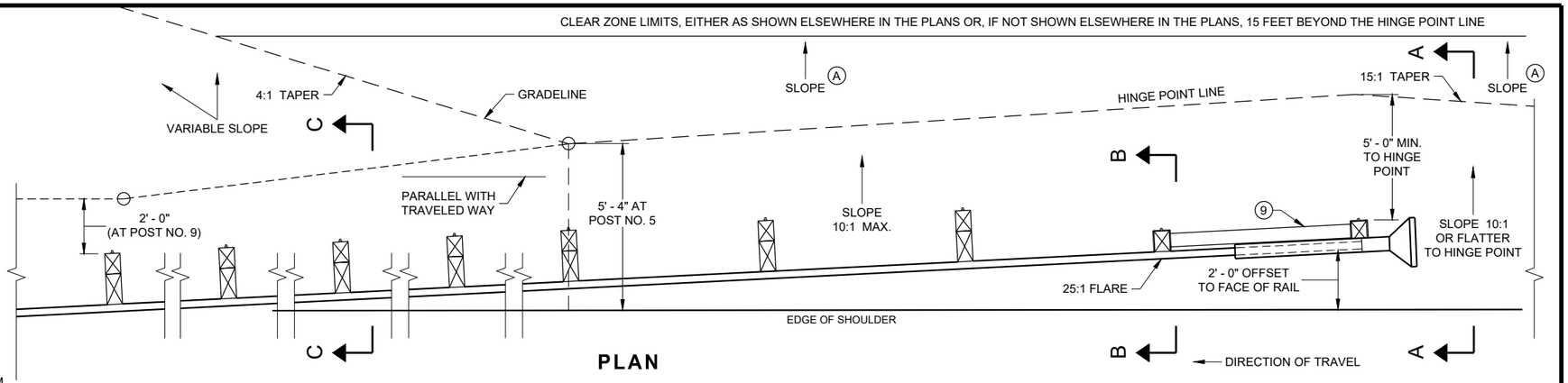
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

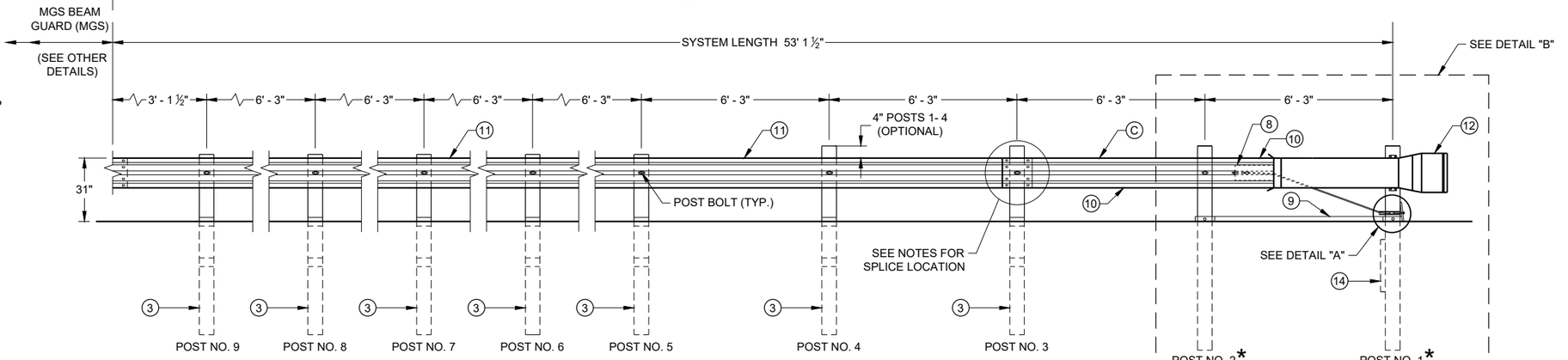
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

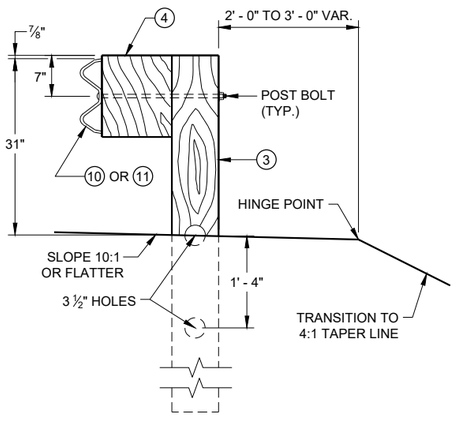
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



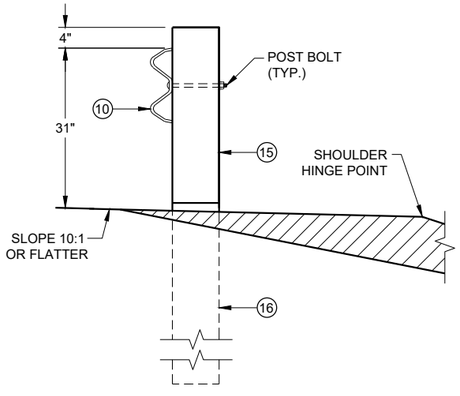
DETAIL "A" (E)



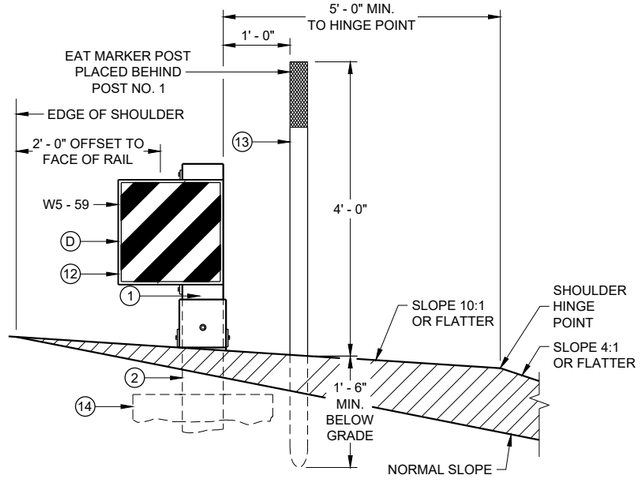




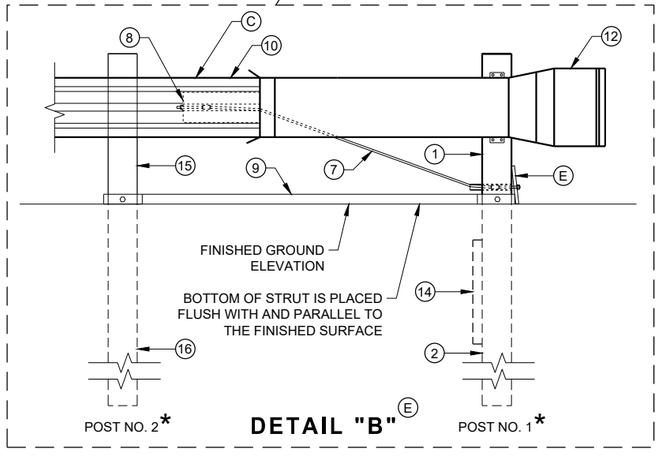
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



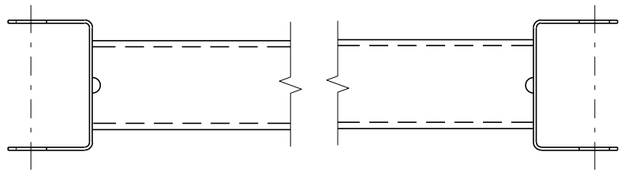
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

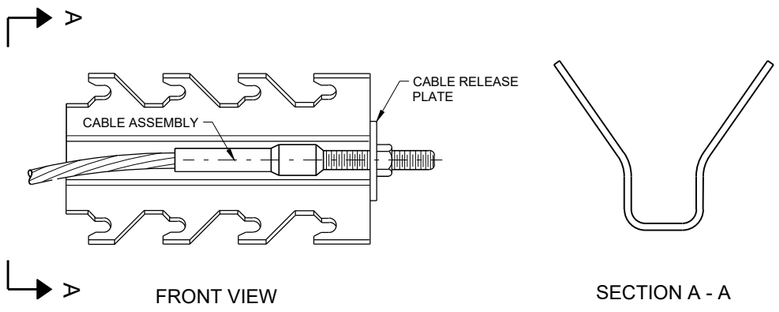
SDD 14B44 - 04a



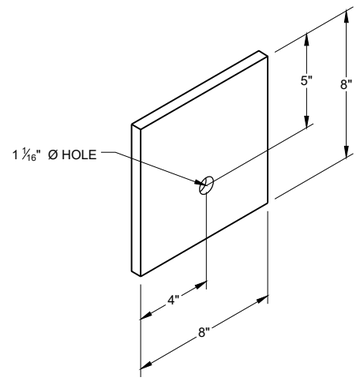
GENERIC GROUND STRUT ⑨ Ⓔ

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 ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

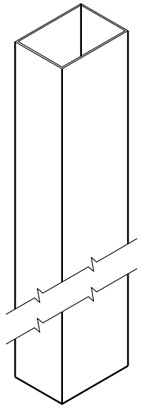
6

SDD 14B44 - 04b

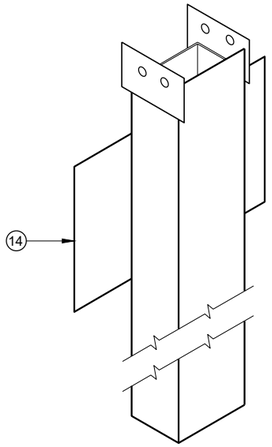
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

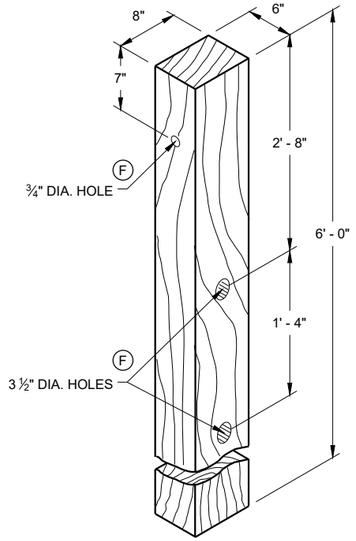
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



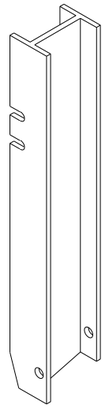
UPPER POST NO. 1 (1) (E)



LOWER POST NO. 1 (2) (E)



WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



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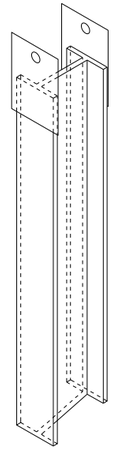
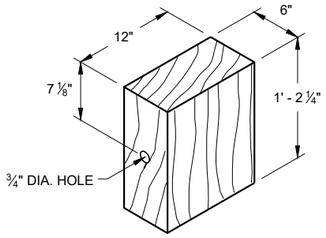
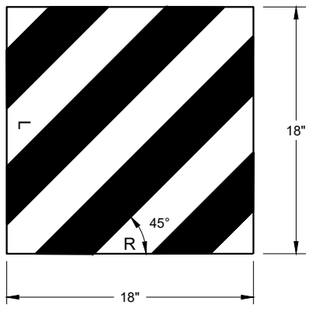


LOWER POST NO. 2 (16) (E)

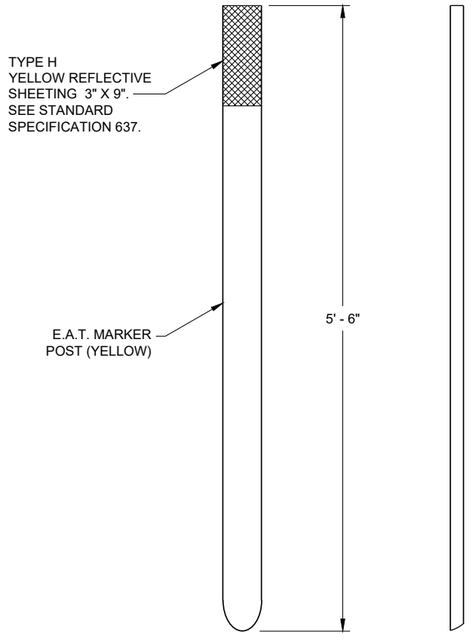


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



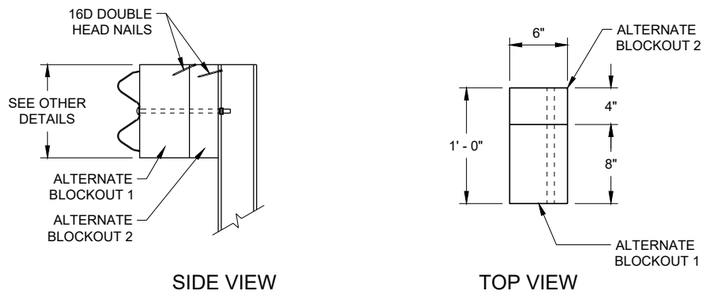
W5 - 59

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)

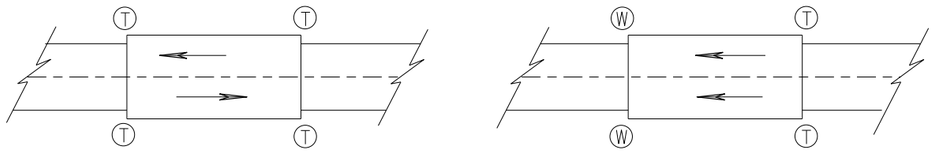
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

6

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.

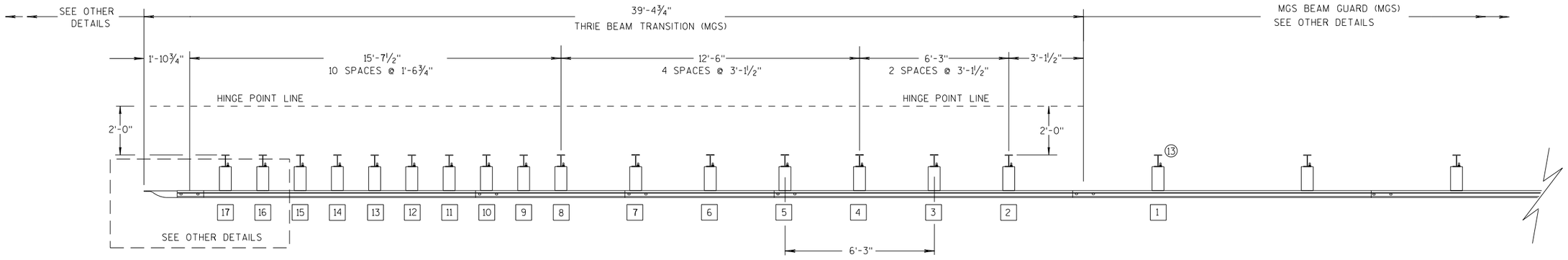
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

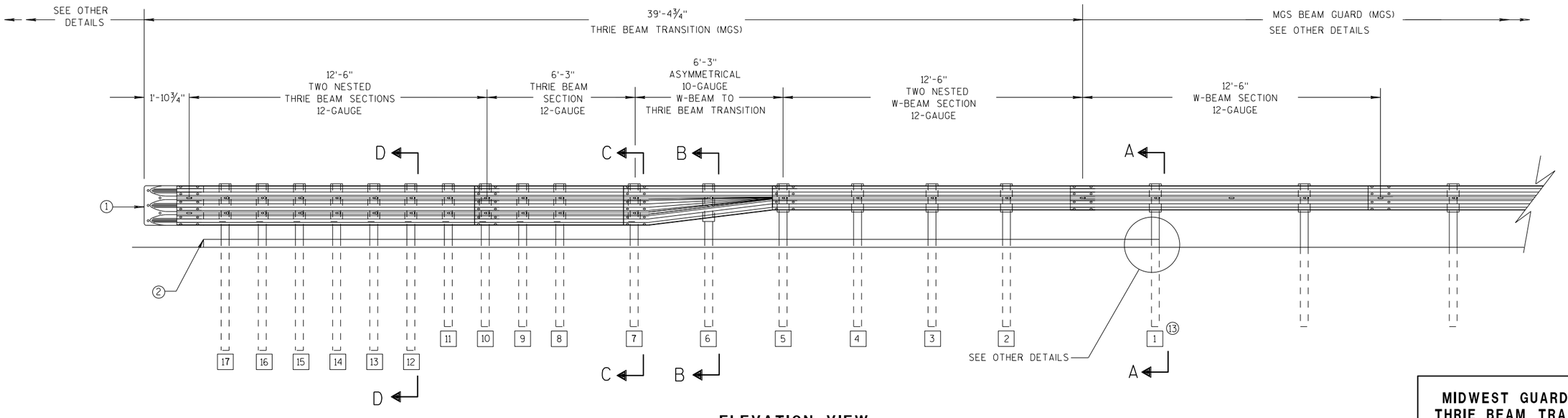
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(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 TRANSPOR

6

S.D.D. 14 B 45-5a

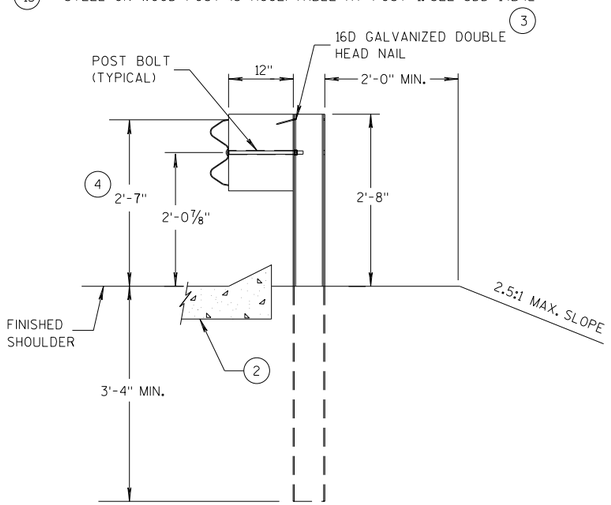
GENERAL NOTES

(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.

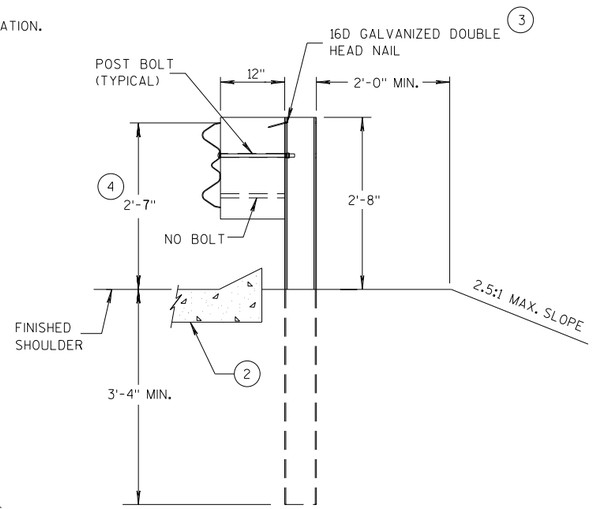
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



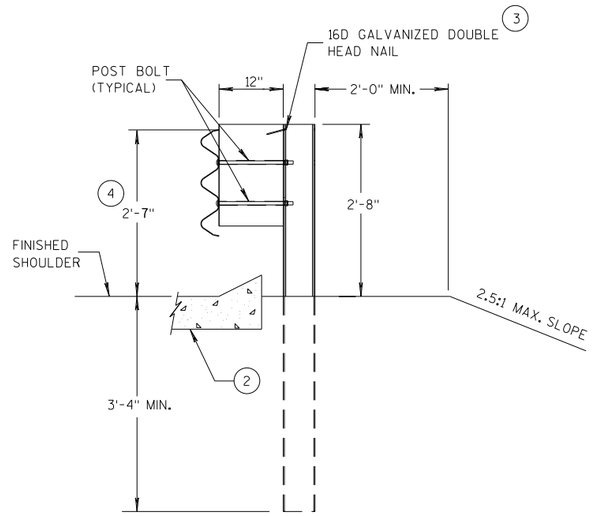
SECTION A-A (13)

POSTS 1-5



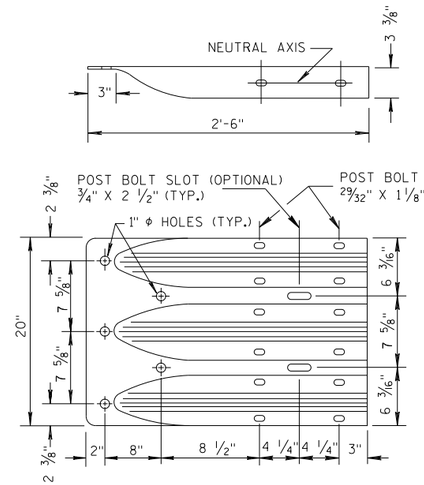
SECTION B-B

POST 6

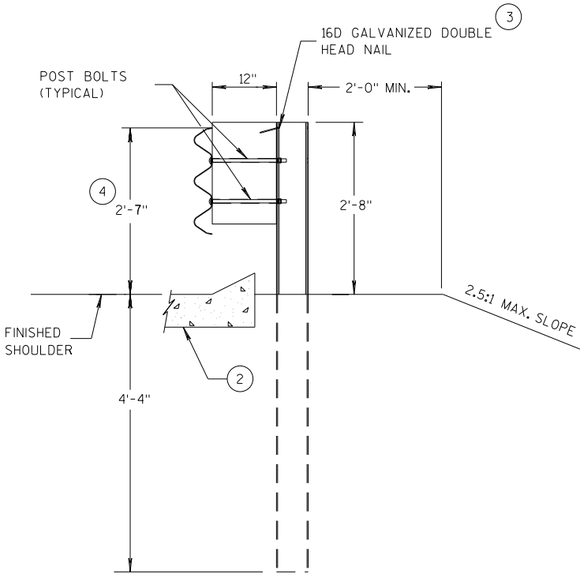


SECTION C-C

POSTS 7-11

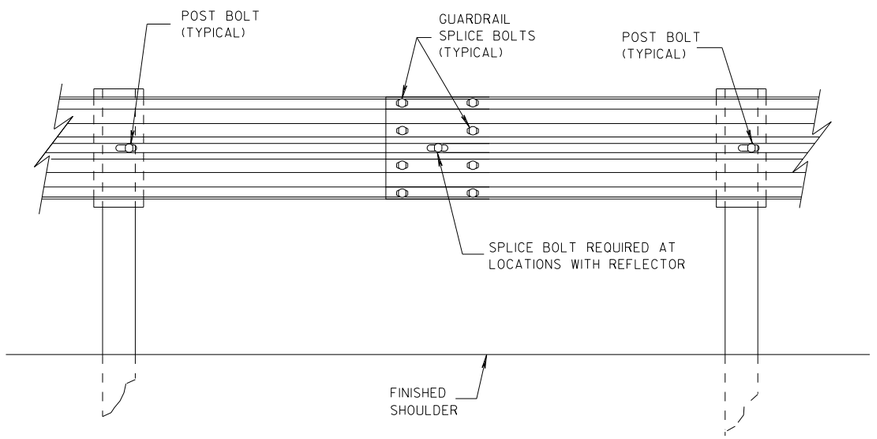


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

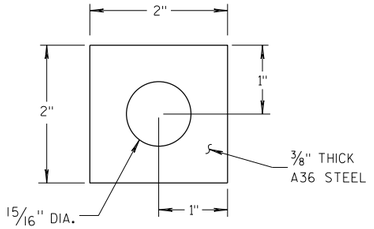
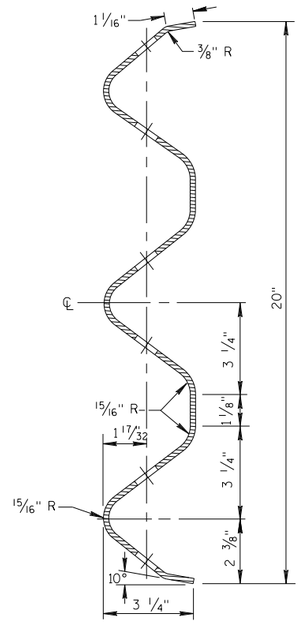


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

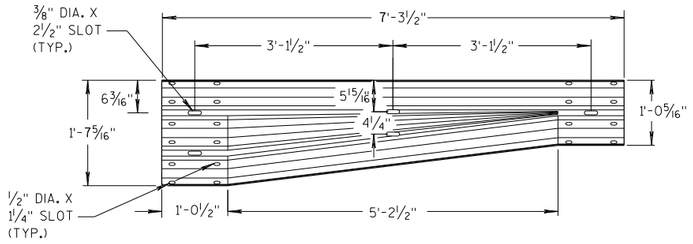
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF 457

6

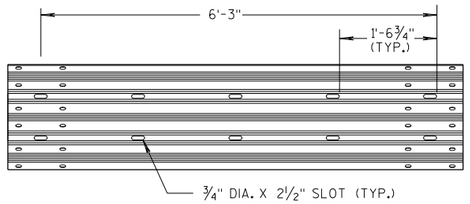
S.D.D. 14 B 45-5b

6

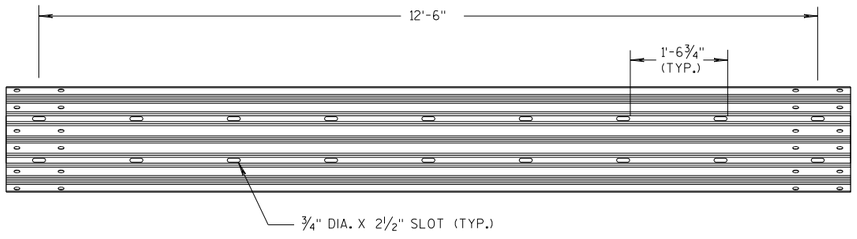
S.D.D. 14 B 45-5b



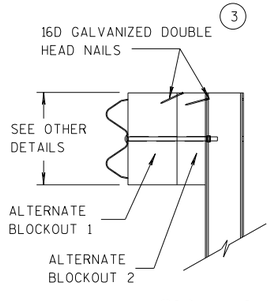
W-BEAM TO THRIE BEAM TRANSITION SECTION



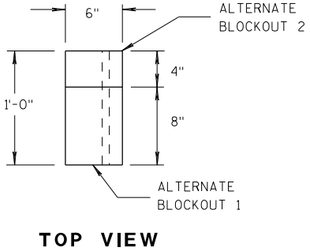
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

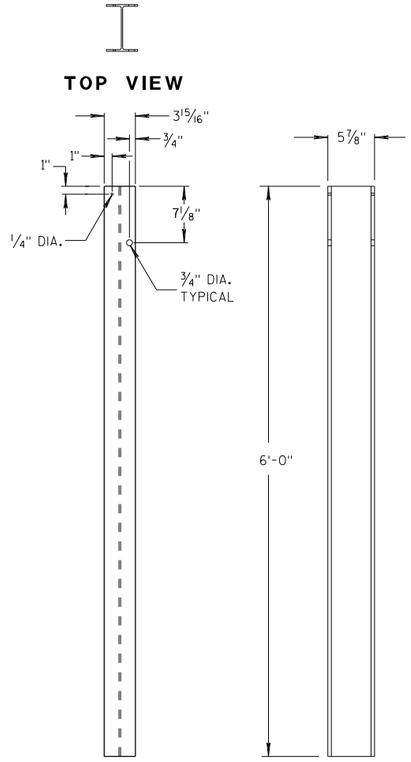


SIDE VIEW



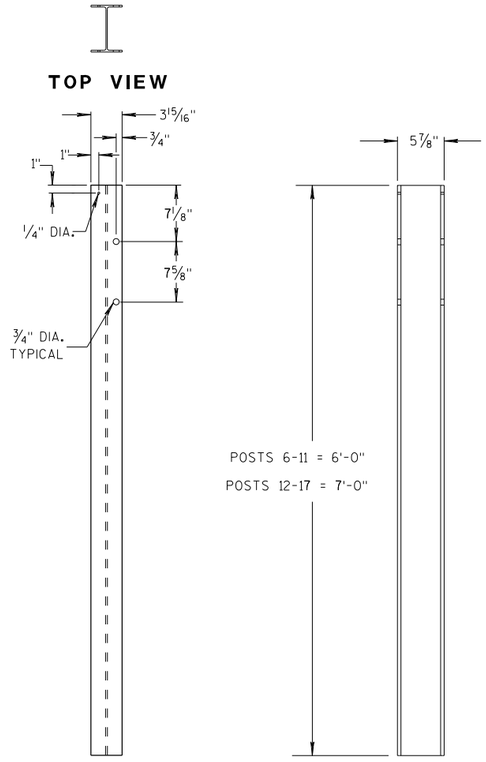
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



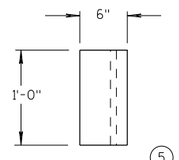
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

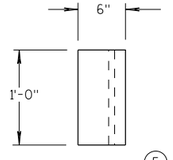


FRONT VIEW SIDE VIEW

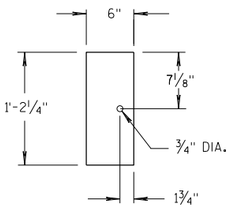
STEEL POSTS 6-17



TOP VIEW (5)

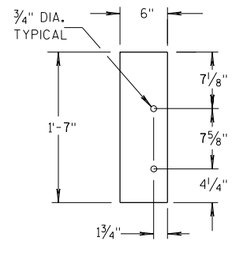


TOP VIEW (5)



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.

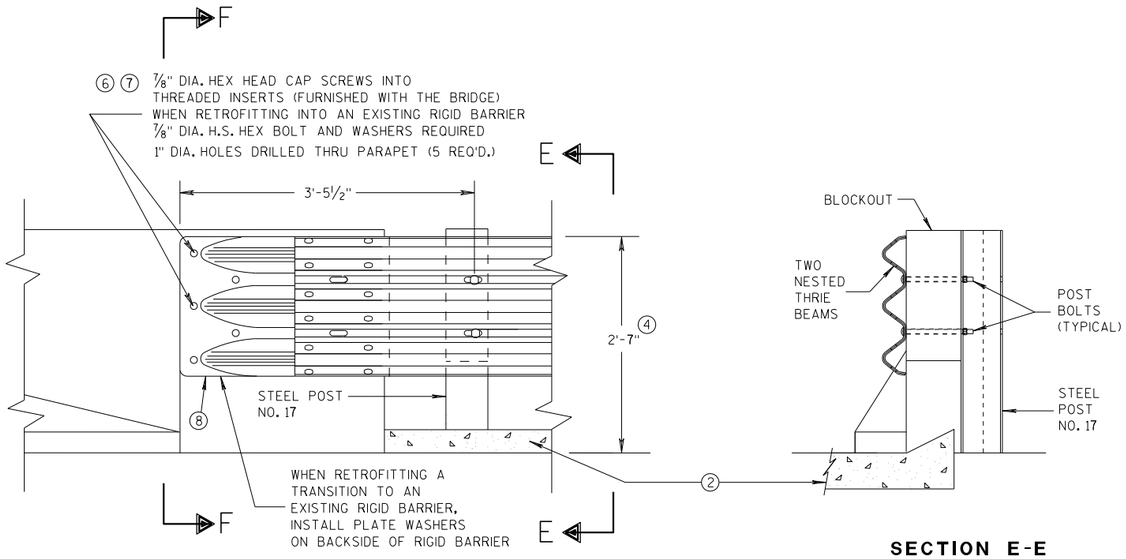
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(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 TRANSPOR 458

6
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.

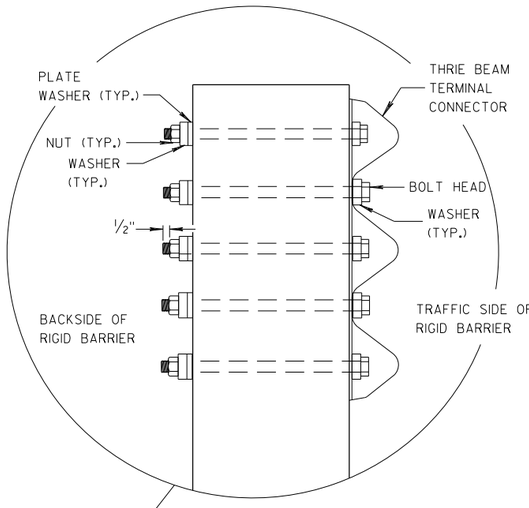
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

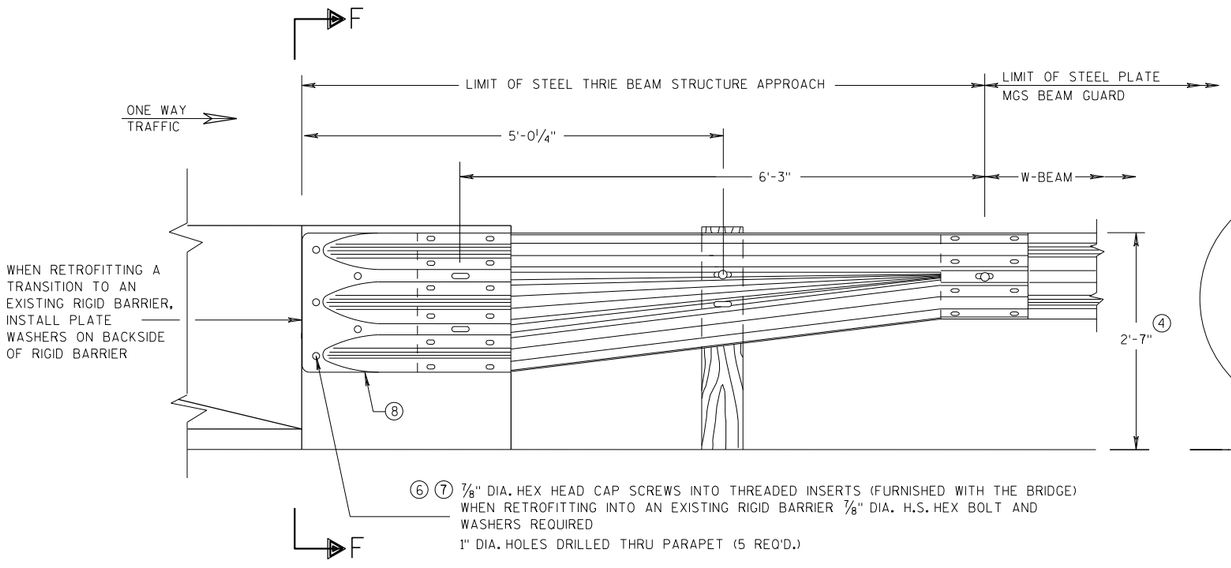
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

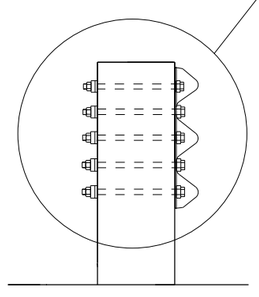
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. 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".

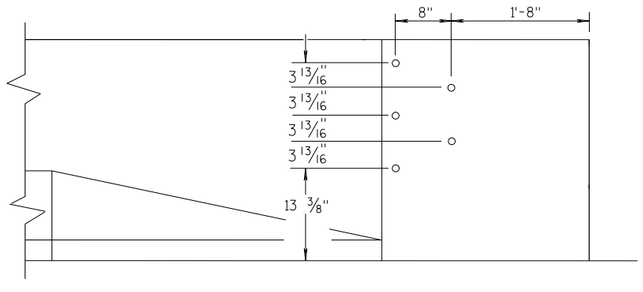




FRONT VIEW



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

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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.

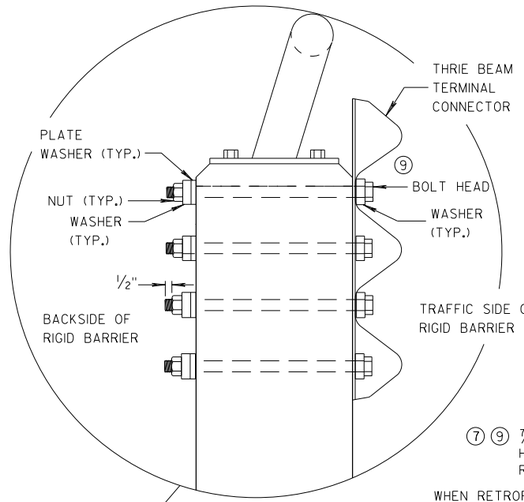
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

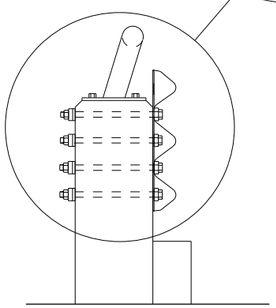
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(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.

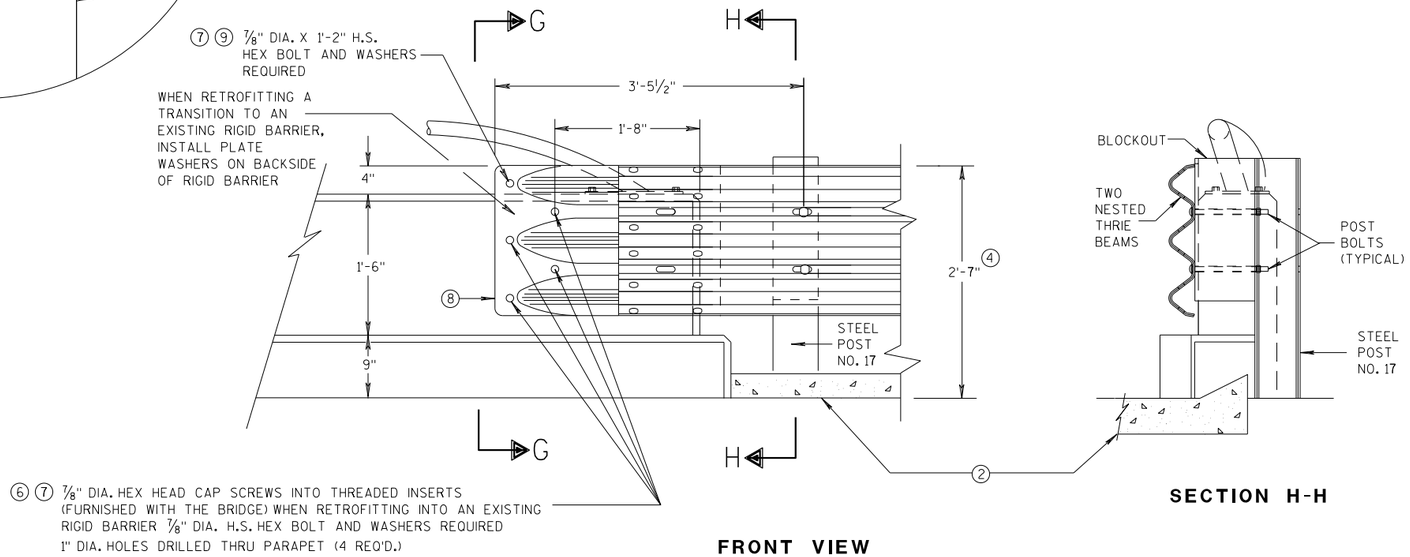
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(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.





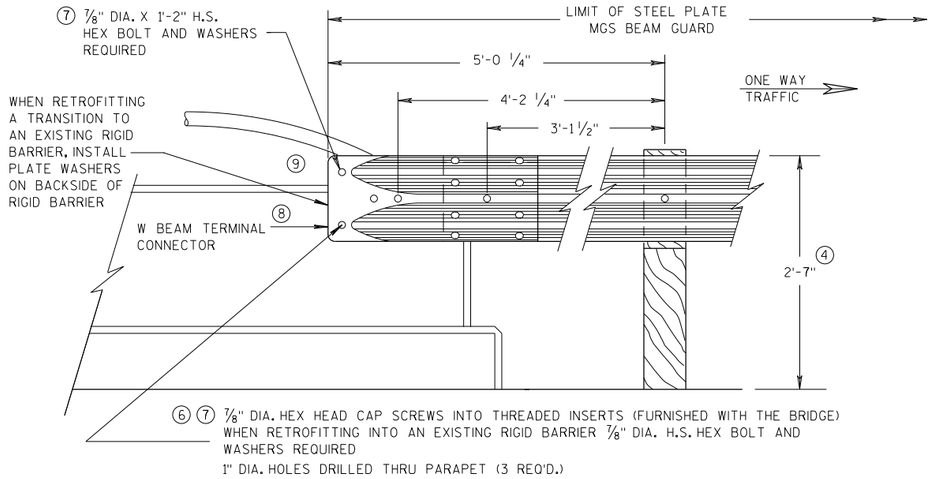
SECTION G-G



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(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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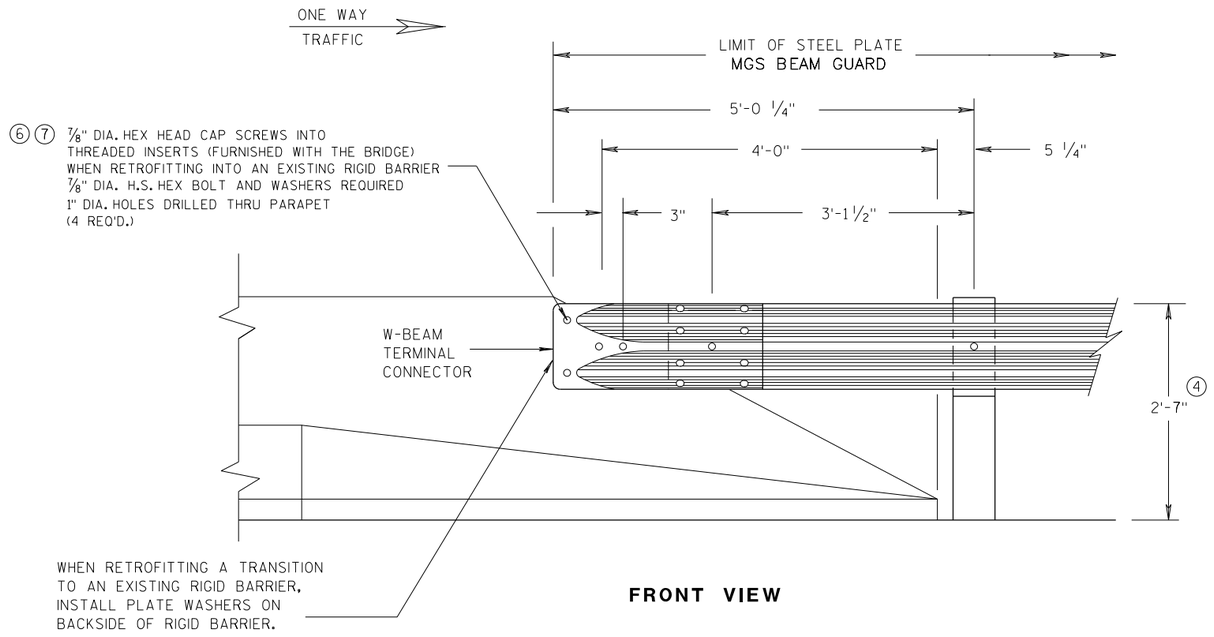


FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

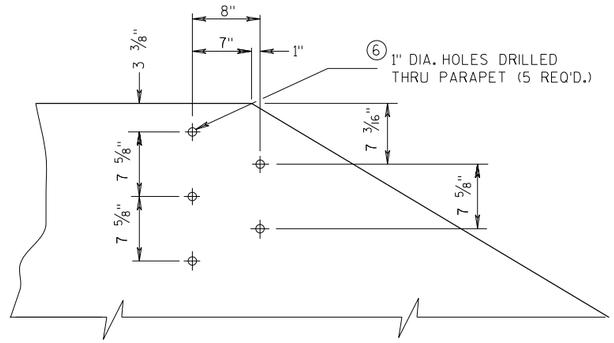
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

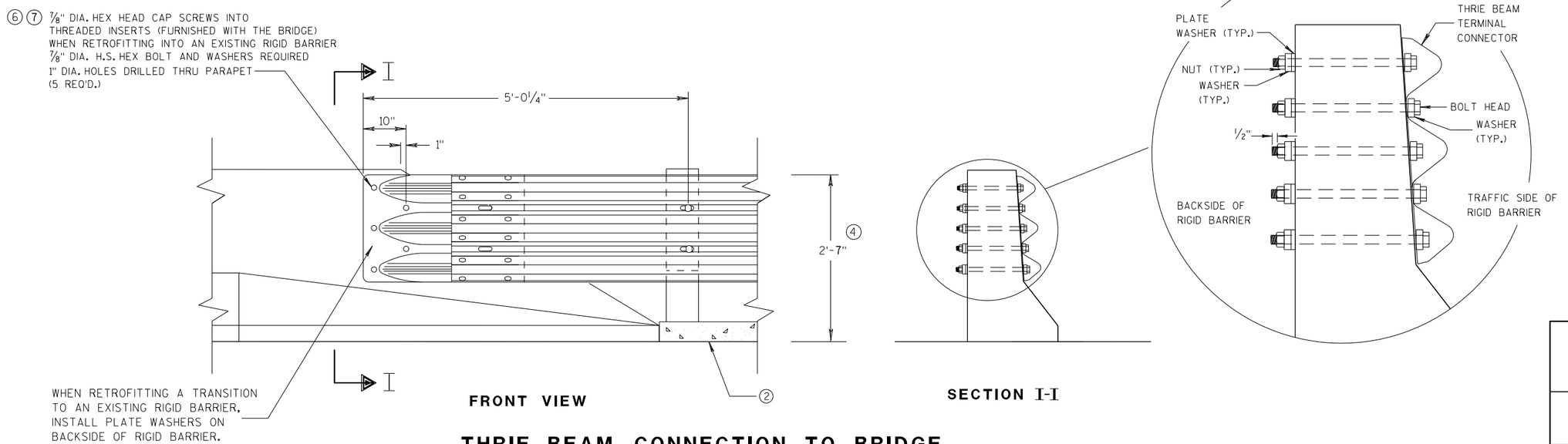
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

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
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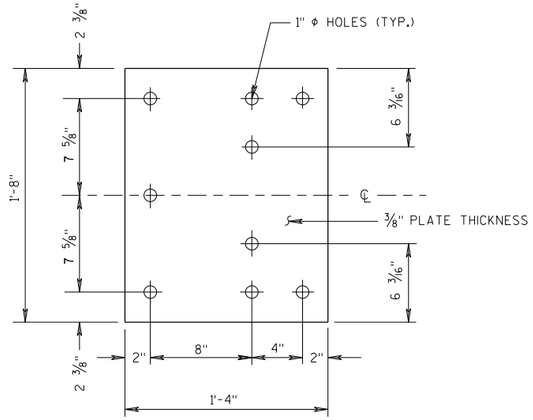
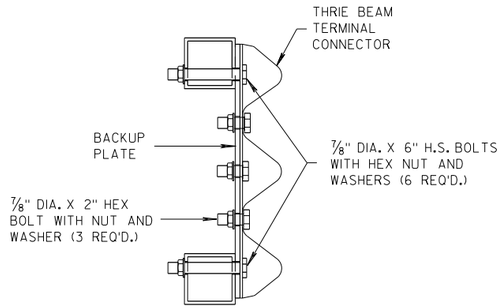
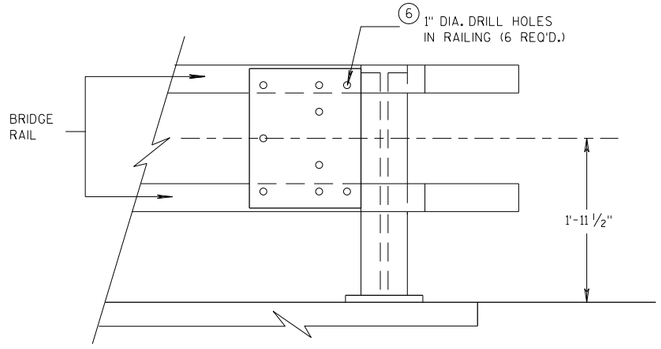


BACK-UP PLATE DETAIL



SECTION J-J

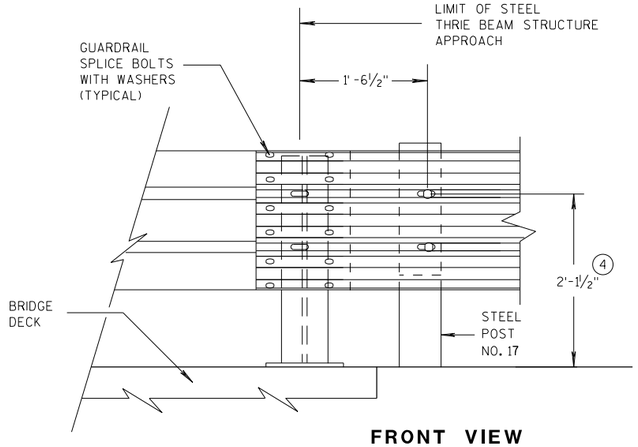


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

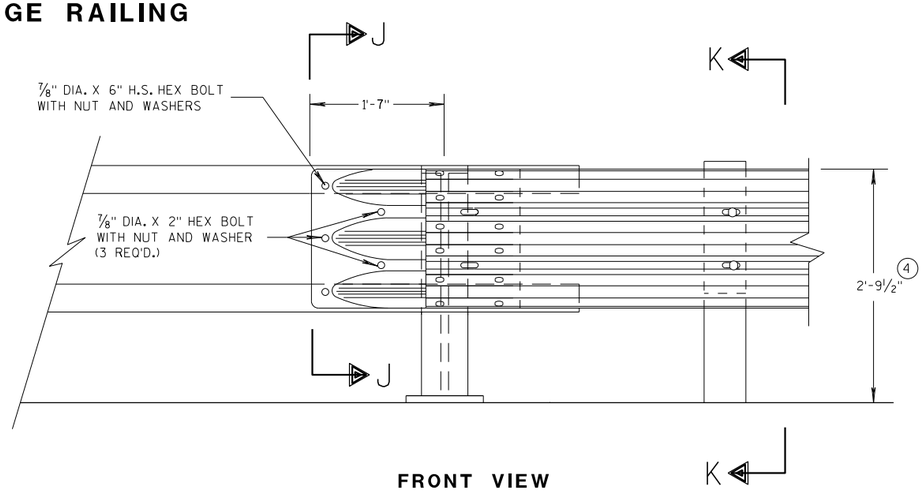
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

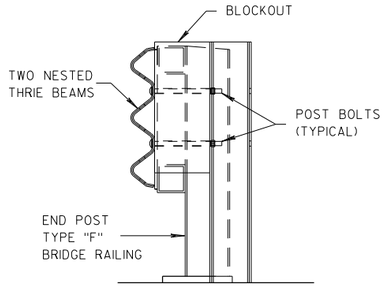


FRONT VIEW

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

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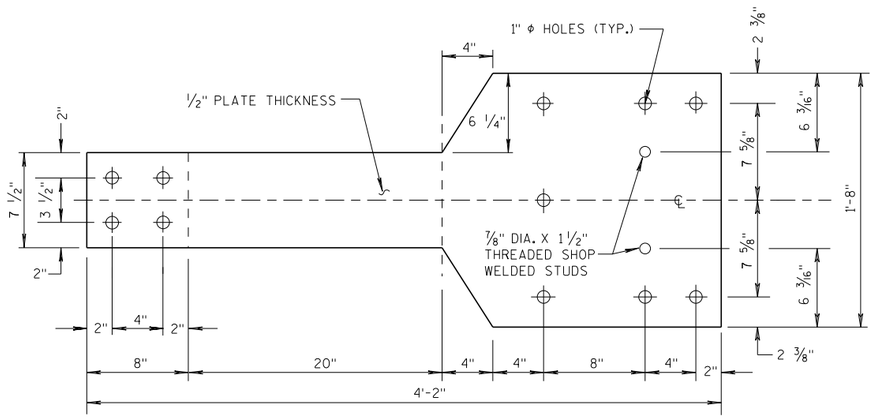
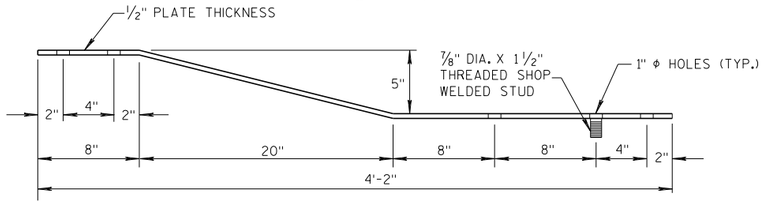
GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

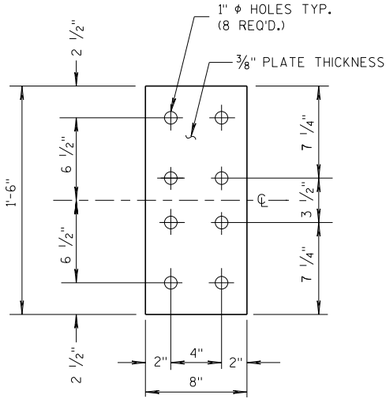


FRONT VIEW



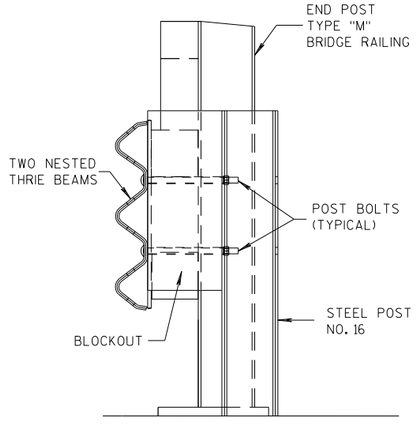
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

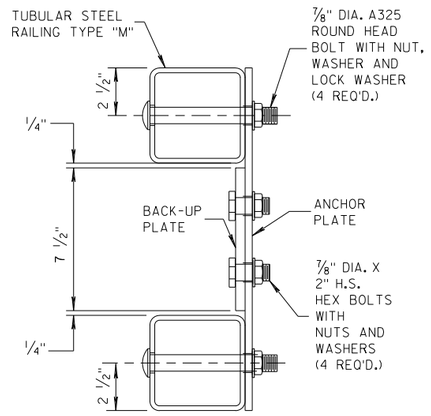


FRONT VIEW

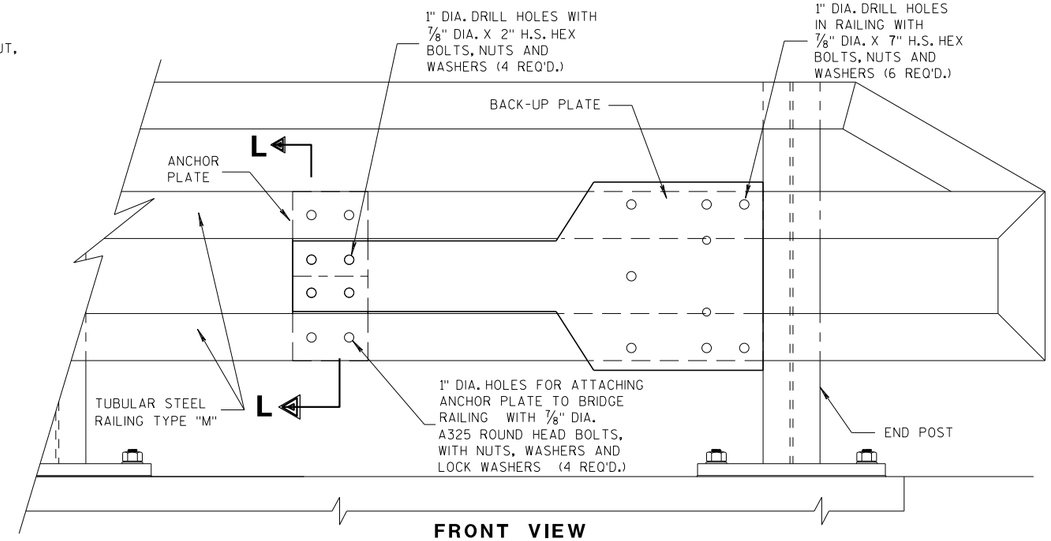
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

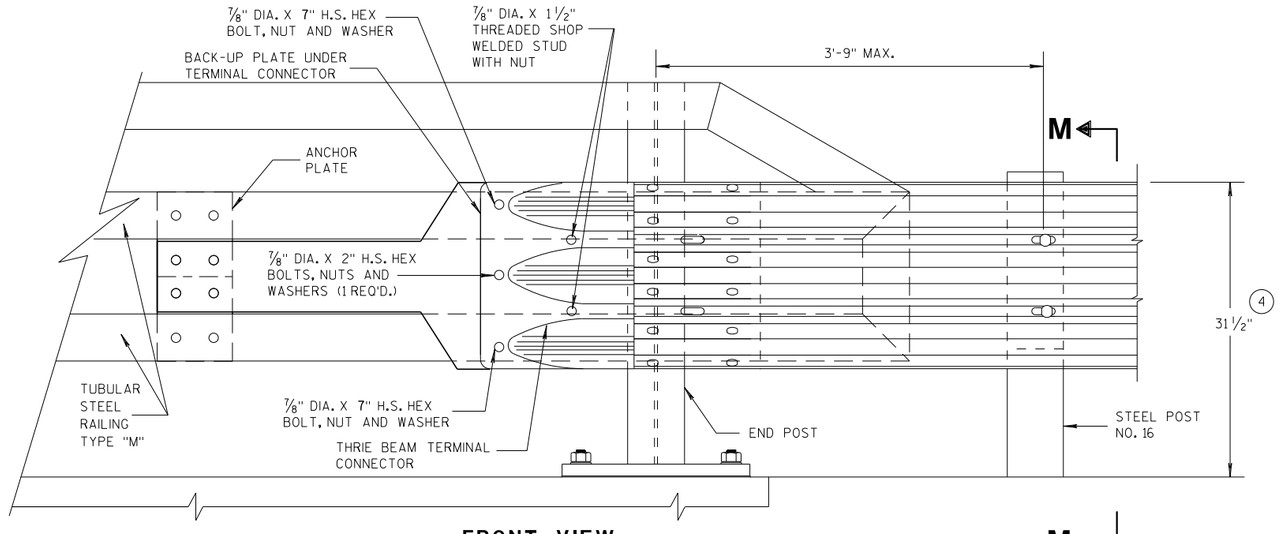


SECTION L-L

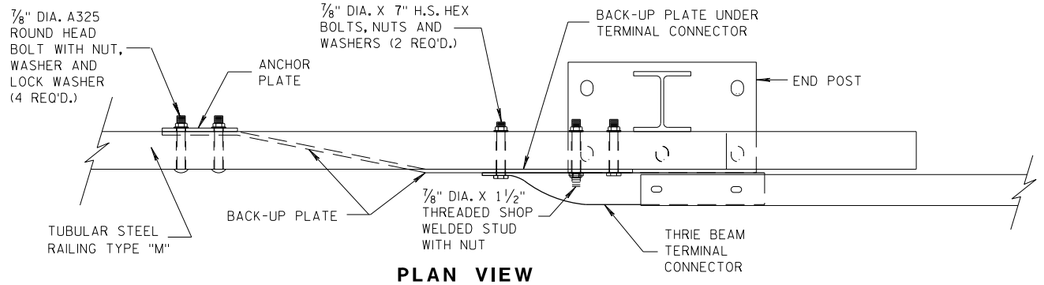


FRONT VIEW

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
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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.

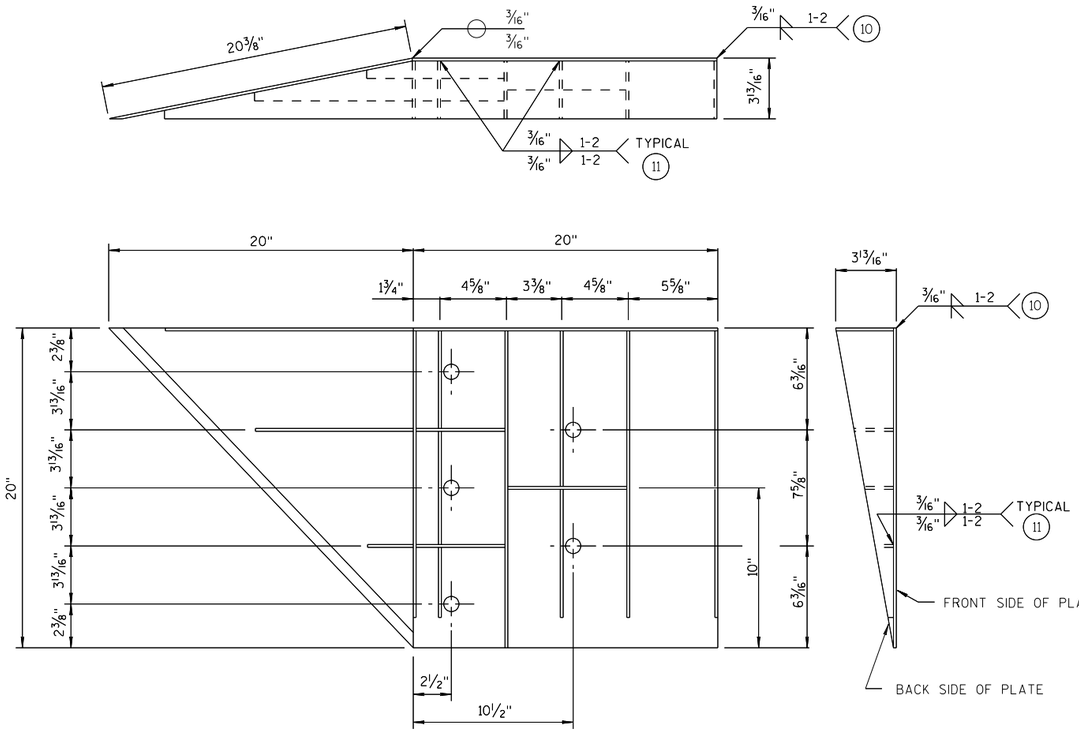
FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

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)

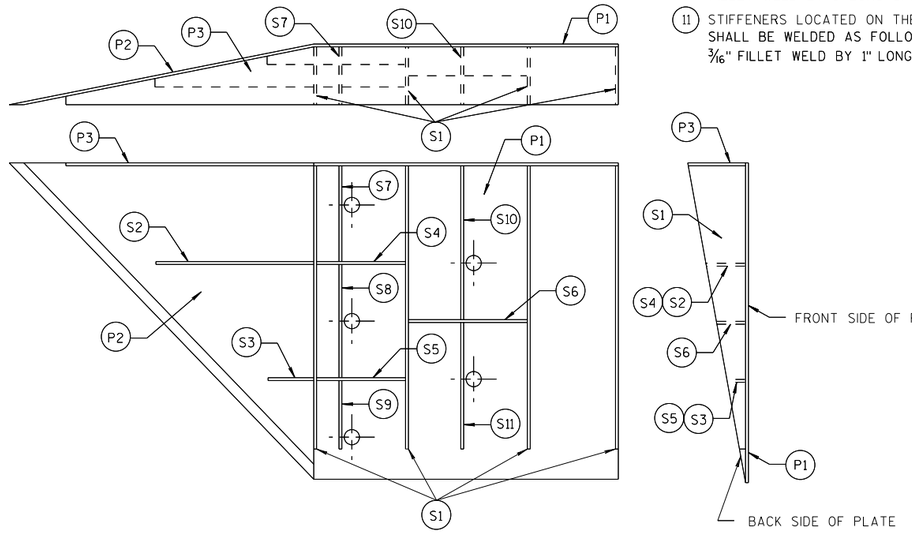


PLATE AND STIFFENER IDENTIFICATION

(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
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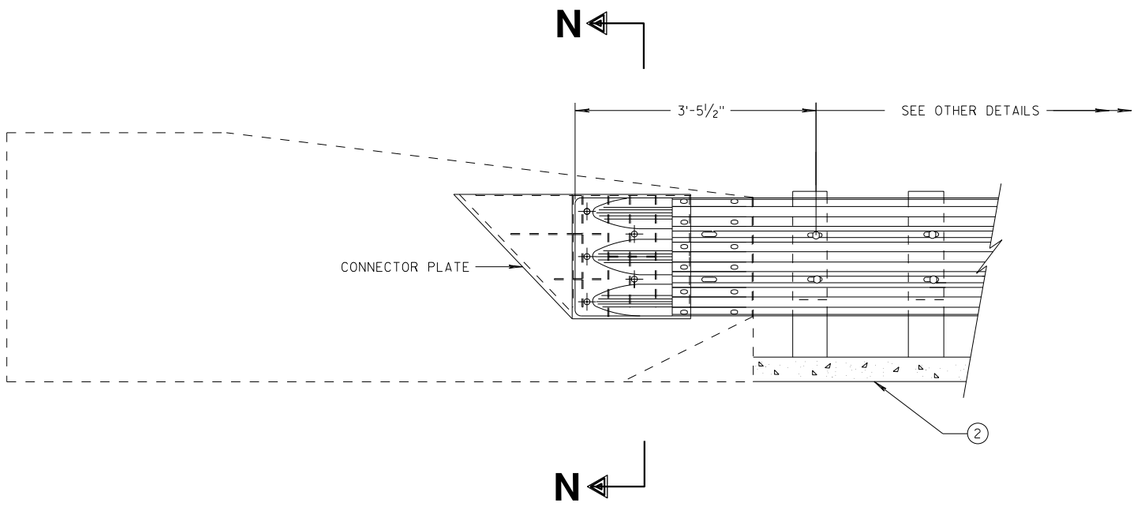
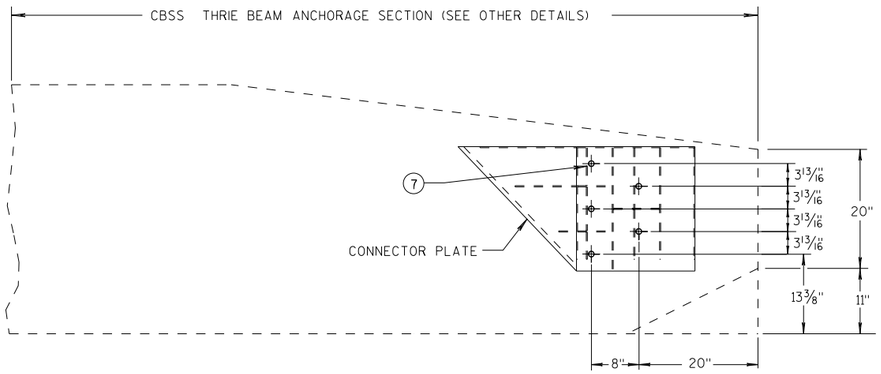


THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



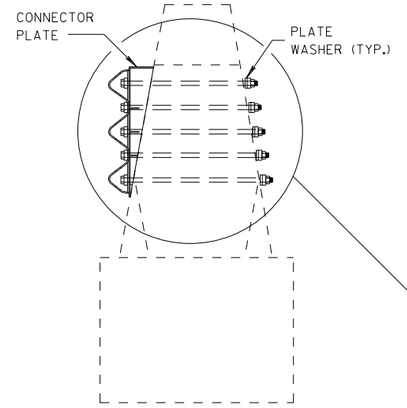
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

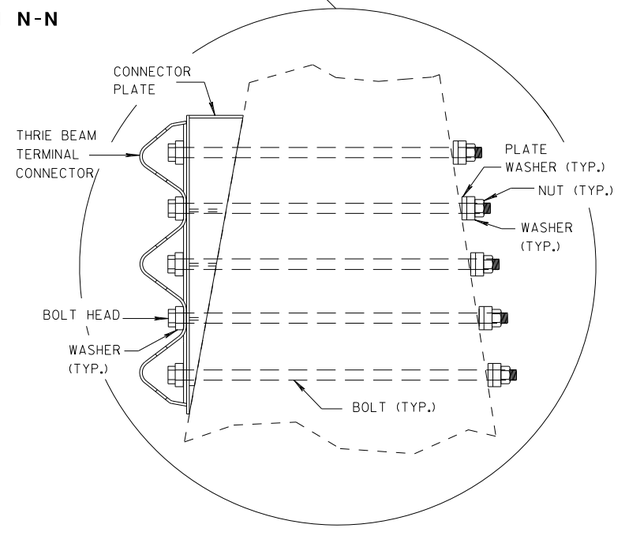
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(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
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S.D.D. 14 B 45-5j

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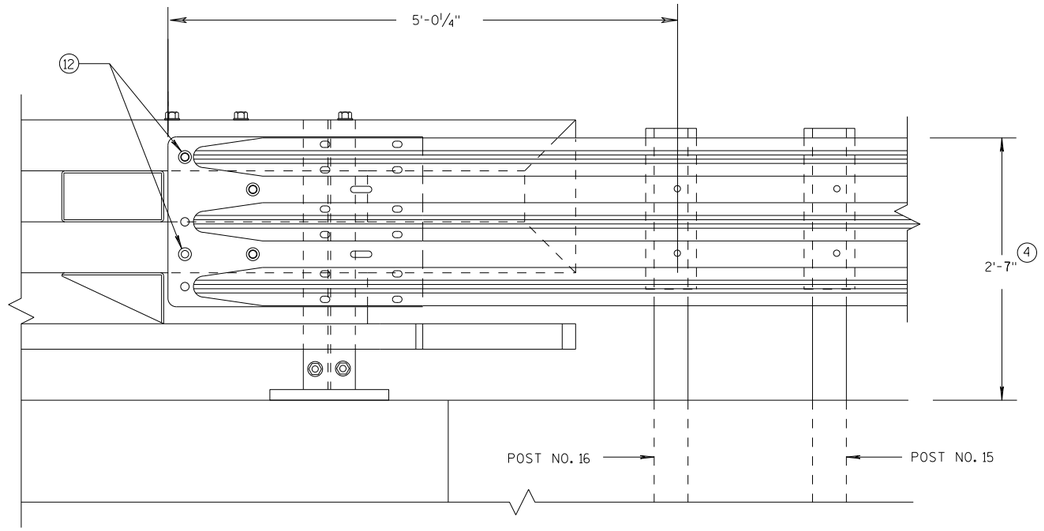
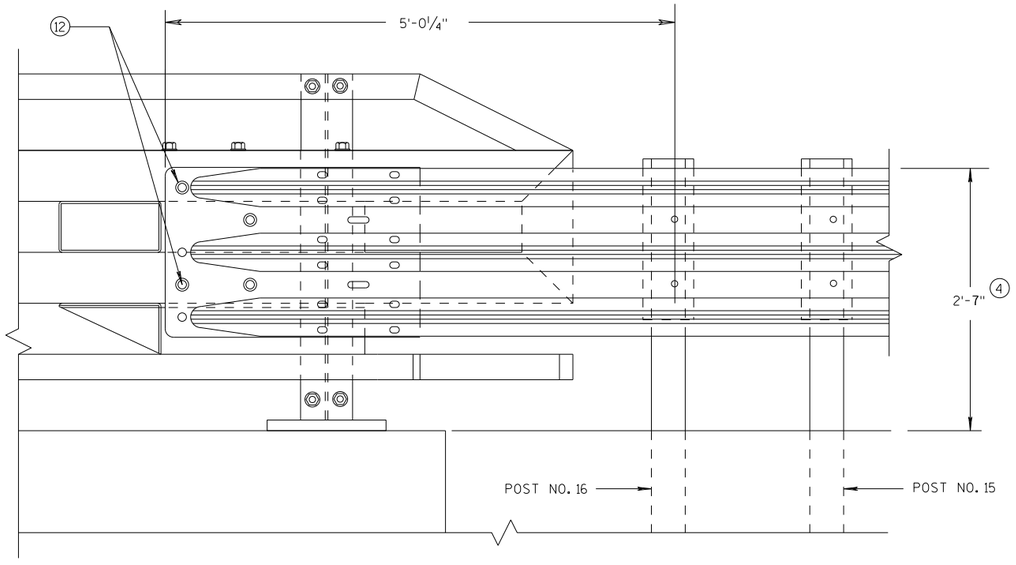
S.D.D. 14 B 45-5j



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

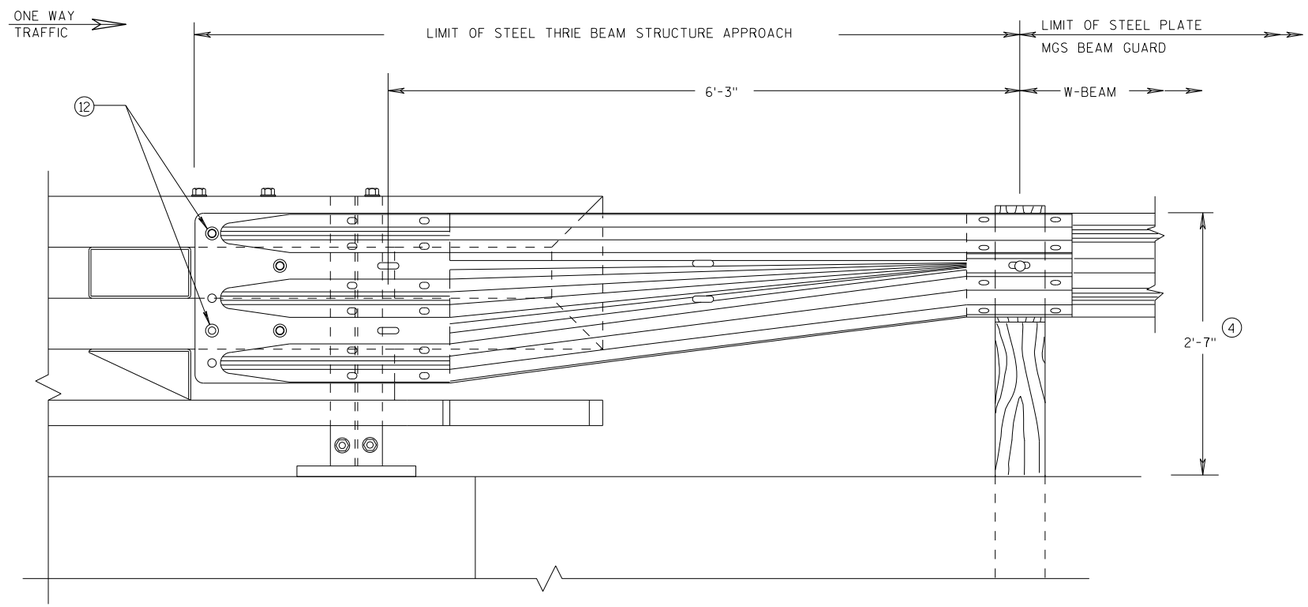
APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D 466 NT
UNIT SUPERVIS
FHWA

6

S.D.D. 14 B 45-5k

6

S.D.D. 14 B 45-5k



FRONT VIEW

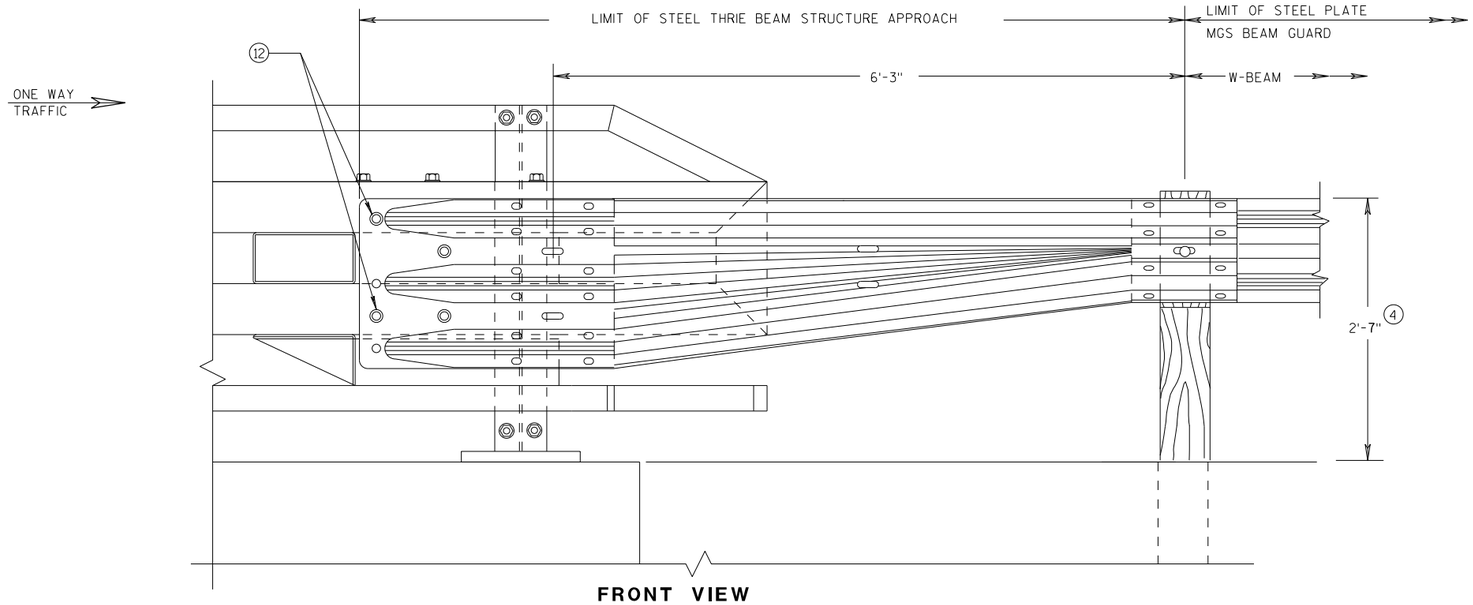
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(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
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D
UNIT SUPERVIS

467

NT

6

S.D.D. 14 B 45-5L

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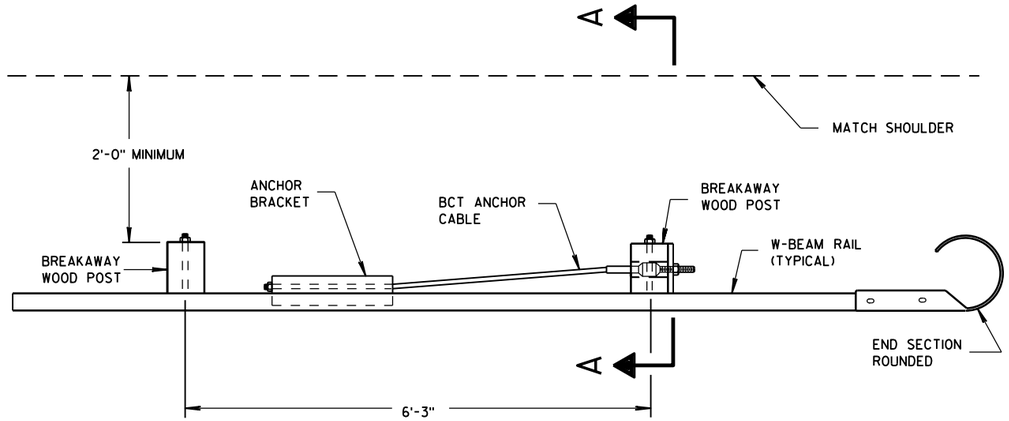
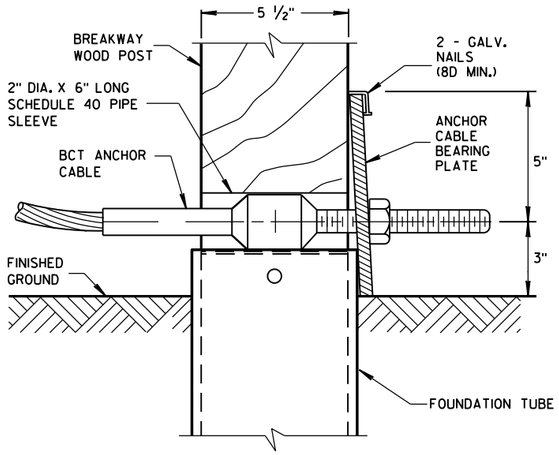
S.D.D. 14 B 45-5L



PLAN VIEW



DETAIL A

POST NO. 1
GROUNG STRUT NOT SHOWN FOR CLARITY.

GENERAL NOTES

SEE SDD 14 B 42 FOR MORE INFORMATION.

END SECTION BOLTS AND NUTS HAVE THE SAME MATERIAL REQUIREMENTS AS SPLICE BOLTS.

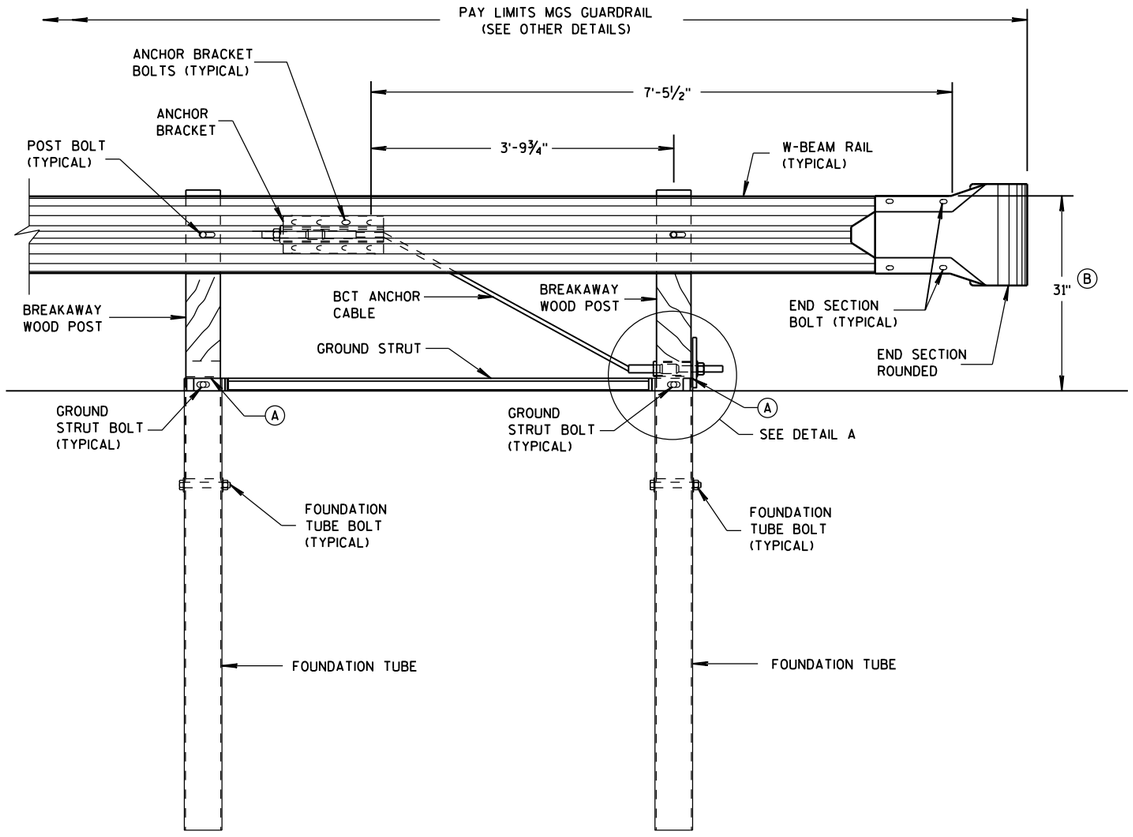
FOUNDATION TUBE BOLTS ARE ⅞" DIAMETER ASTM A307 HEX HEAD BOLT. FOUNDATION TUBE BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 ⅞" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

ANCHOR BRACKET AND GROUND STRUT BOLTS ARE A ⅝" DIAMETER ASTM A307 HEX HEAD BOLT. ANCHOR BRACKET BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 ⅝" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

W-BEAM END SECTION ROUNDED HAS THE SAME MATERIAL PROPERTIES AS STANDARD STEEL RAIL.

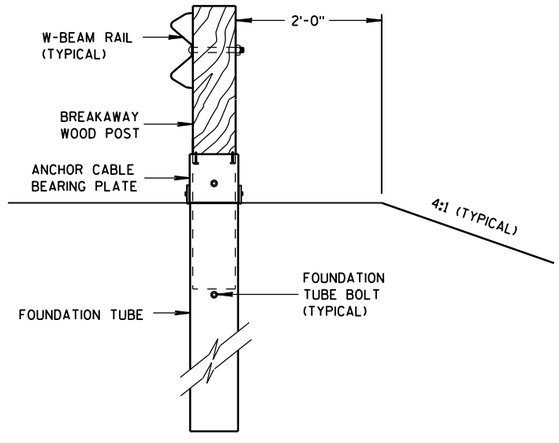
(A) TOP OF FOUNDATION TUBE SHALL BE NO MORE THAN 3" ABOVE FINISHED GROUND.

(B) FOR NEW CONSTRUCTION TOP OF RAIL IS 31" ± 1".
FOR EXISTING INSTALLATIONS TOP OF RAIL IS BETWEEN 27¾" TO 32" ± 1".

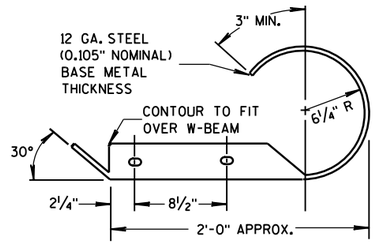


FRONT VIEW

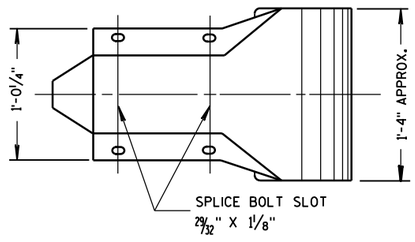
END RAIL DETAIL



SECTION A-A



PLAN VIEW



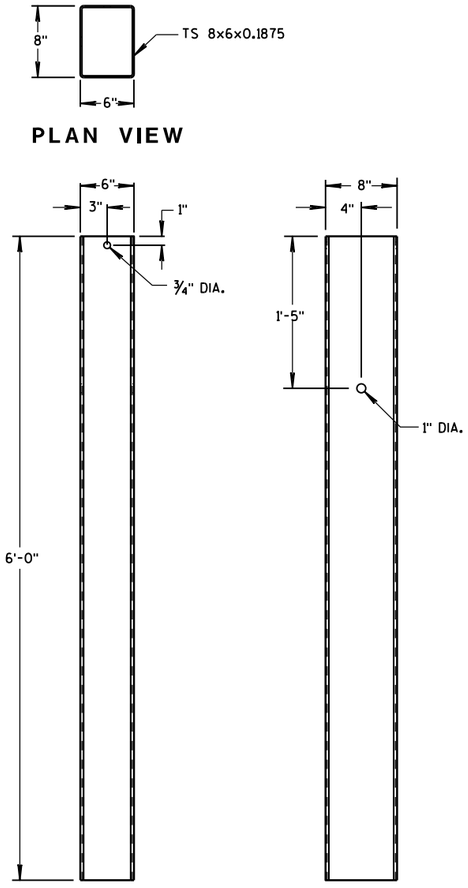
FRONT VIEW

W BEAM END SECTION ROUNDED

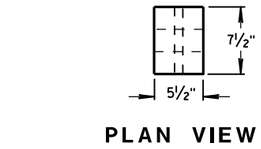
MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

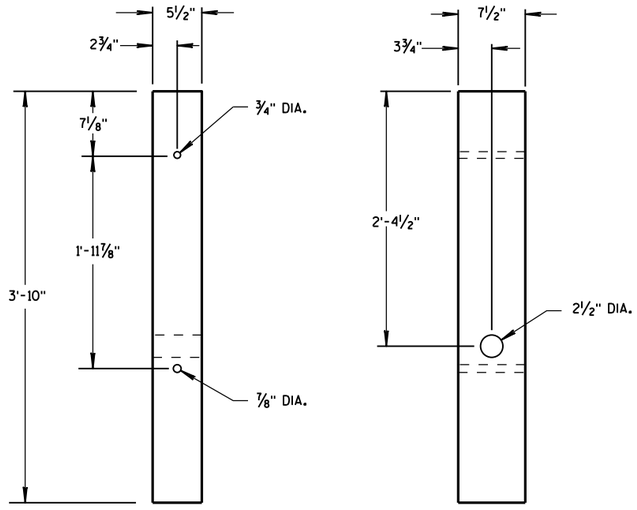
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6
S.D.D. 14 B 47-2a



FOUNDATION TUBE



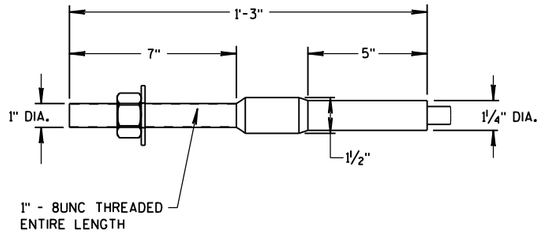


BREAKAWAY WOOD POST

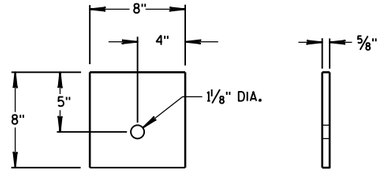
GENERAL NOTES

BCT ANCHOR CABLE IS A ¾" DIAMETER 6X19 IWRC IPS GALVANIZED WIRE ROPE. THE SWAGED FITTINGS AND STUD ARE REQUIRED. END FITTING SHALL BE MACHINED FROM HOT-ROLLED CARBON STEEL CONFORMING TO ASTM A576 GRADE 1035 AND GALVANIZED ACCORDING TO ASTM A123. TREADED STUD SHALL CONFORM TO ASTM A325 OR SAE GRADE 5. MINIMUM BREAKING STRENGTH OF WIRE ROPE IS 43,000 LB. WIRE ROPE IS TO BE TAUT.

BCT ANCHOR CABLE



DETAIL B



ANCHOR CABLE
BEARING PLATE

MIDWEST GUARDRAIL
SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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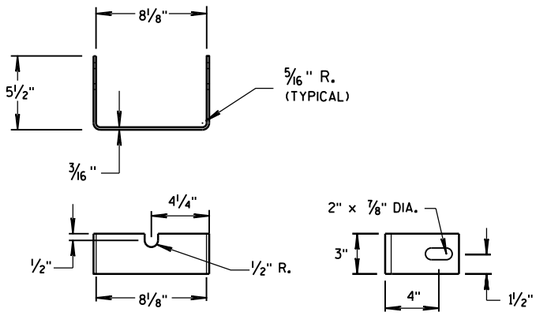
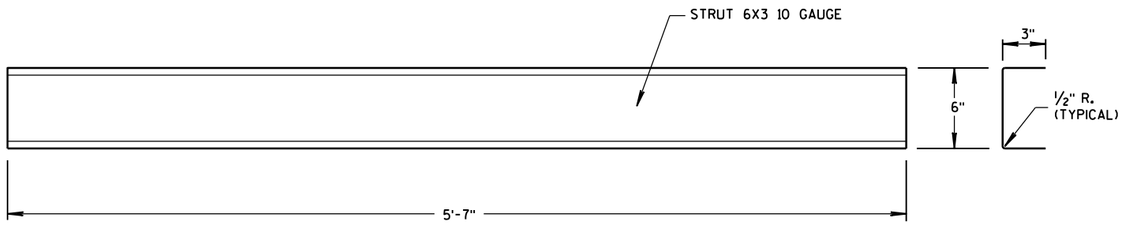
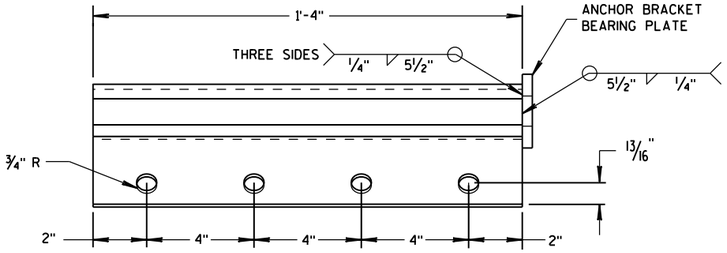
S.D.D. 14 B 47-2b

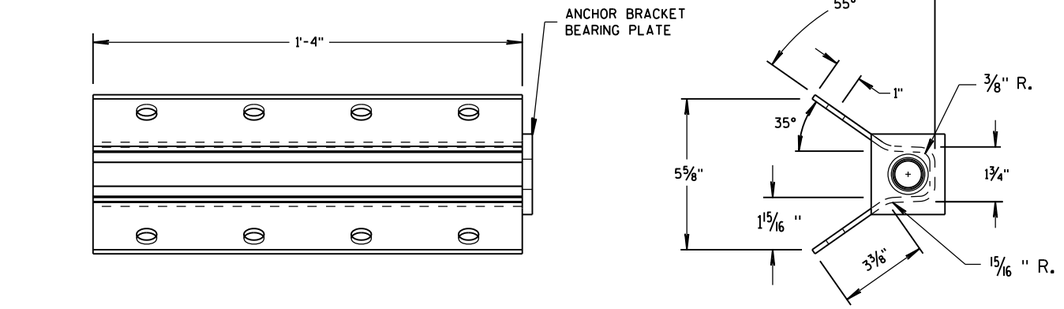


YOKE DETAIL

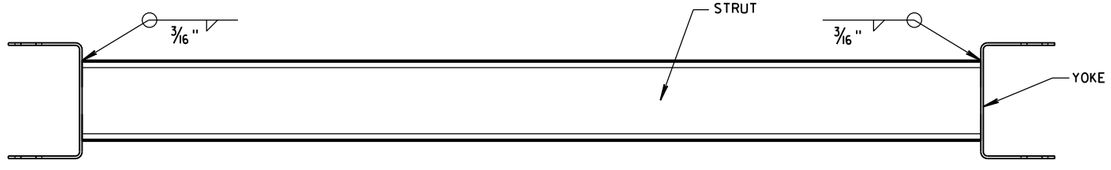


STRUT DETAIL

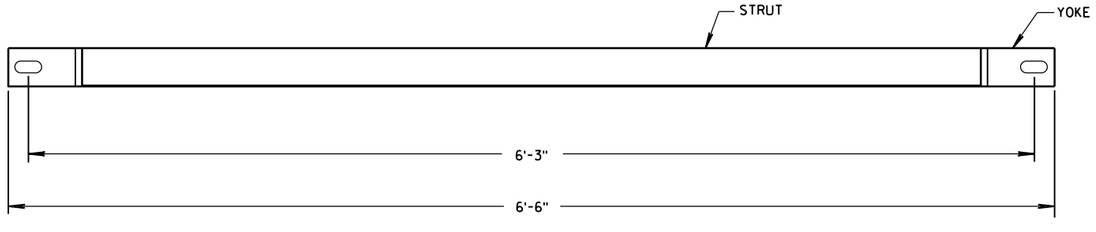




ANCHOR BRACKET

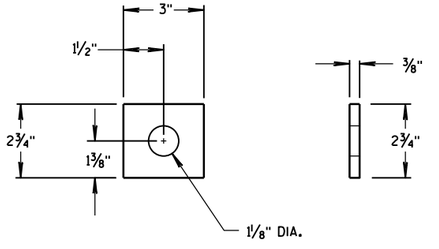


PLAN VIEW



FRONT VIEW

GROUND STRUT DETAIL



ANCHOR BRACKET BEARING PLATE

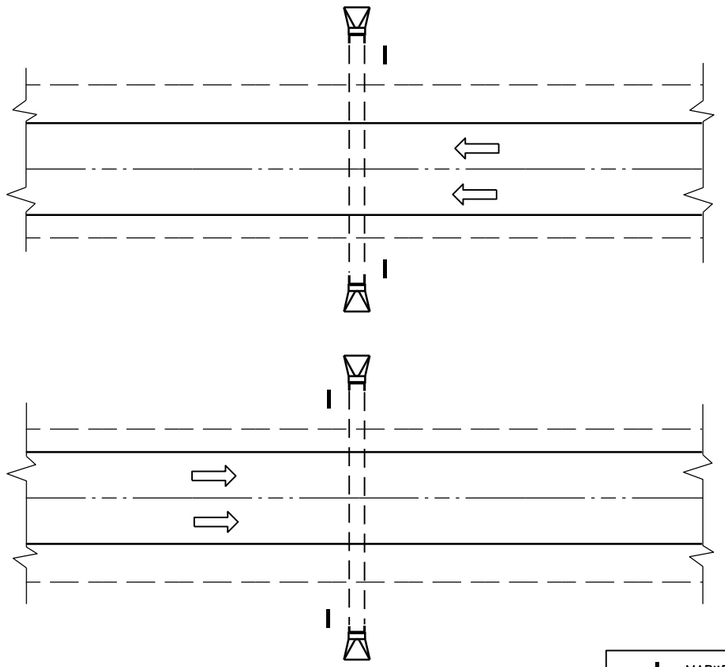
MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

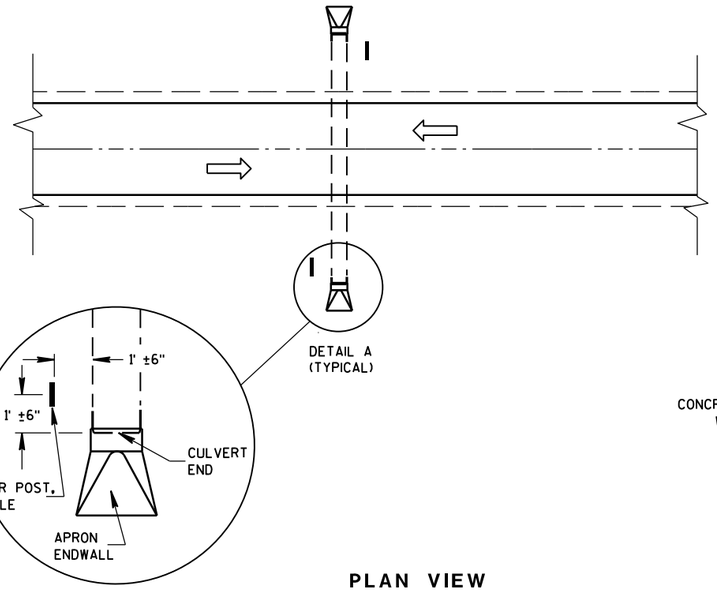
6

S.D.D. 14 B 47-2c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

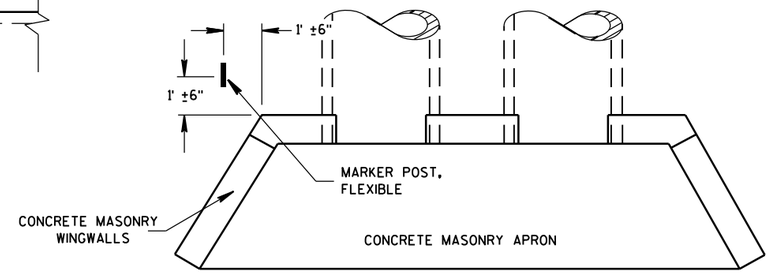
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

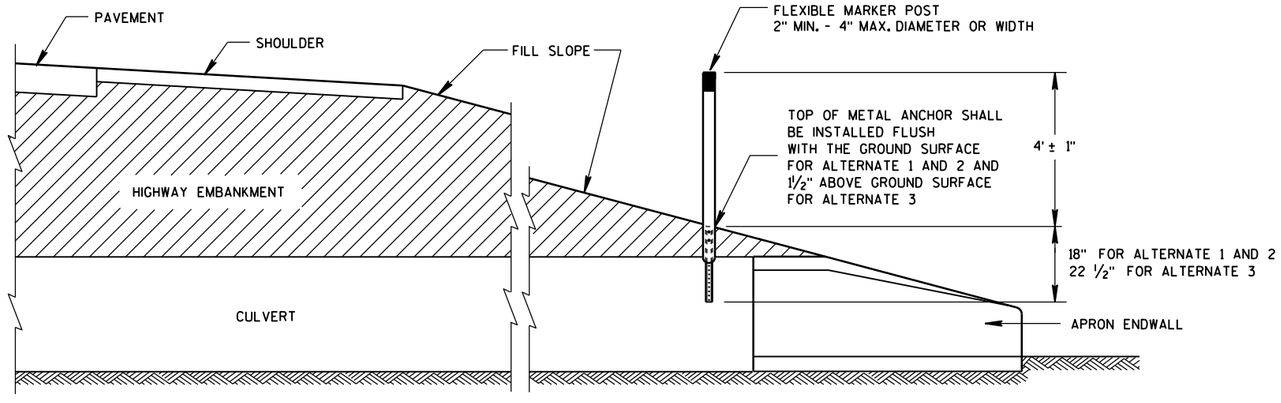
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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 TRANSPOI

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S.D.D. 15 A 3-2a

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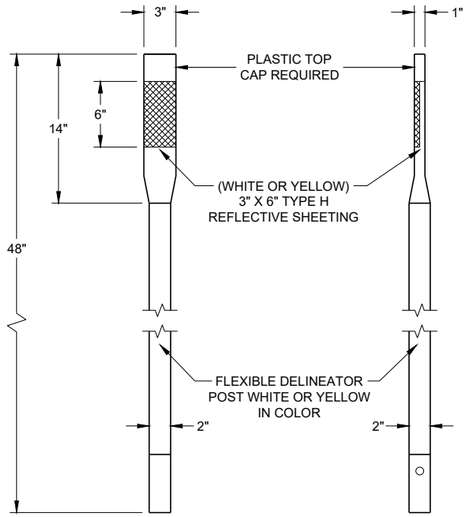
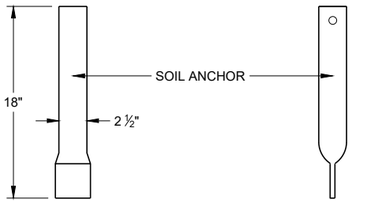
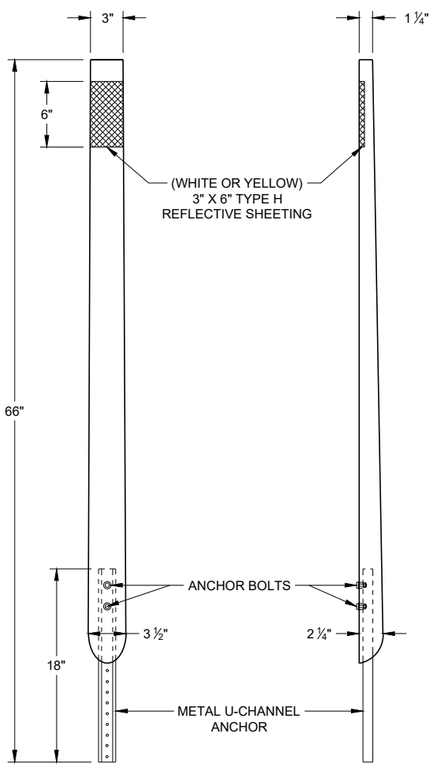
S.D.D. 15 A 3-2a





FRONT VIEW SIDE VIEW

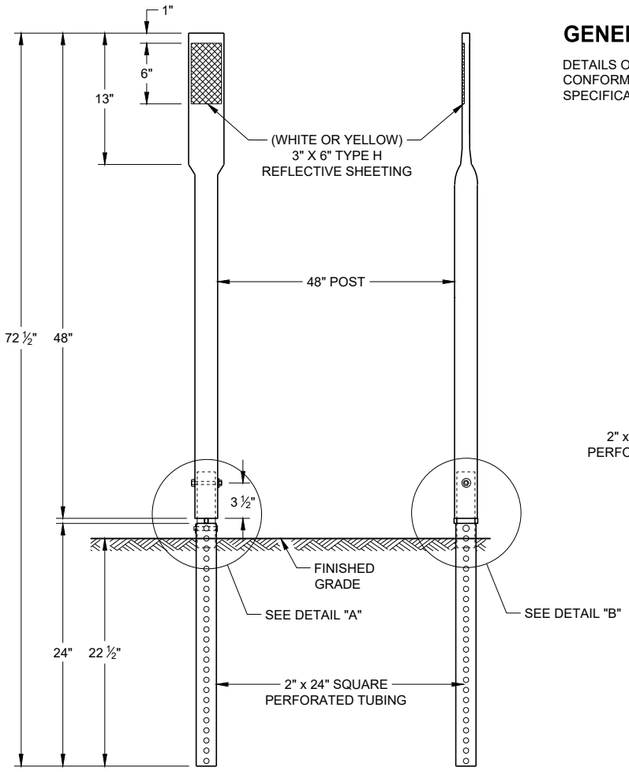
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE DELINEATOR POSTS

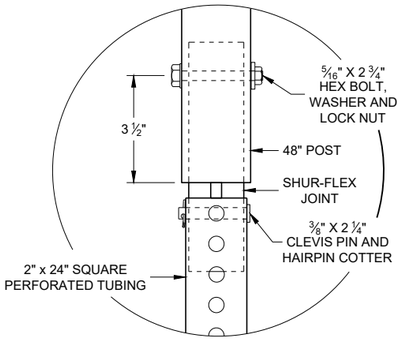


FRONT VIEW SIDE VIEW

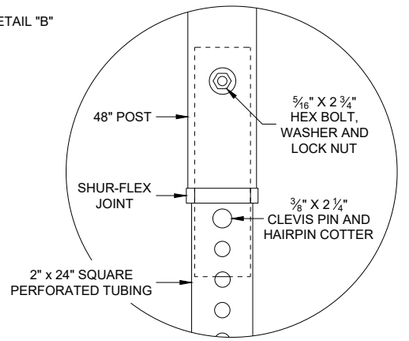
ALTERNATE 3

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



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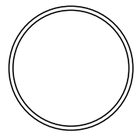
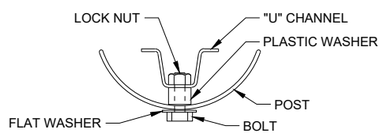
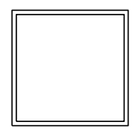


SECTION A - A



SECTION B - B

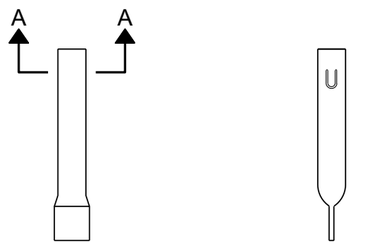


SECTION C - C

REFLECTOR SPACING TABLE

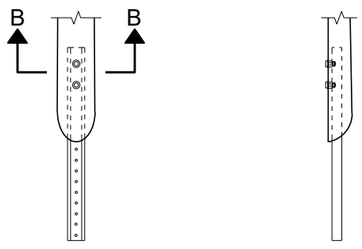
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER



FRONT VIEW SIDE VIEW

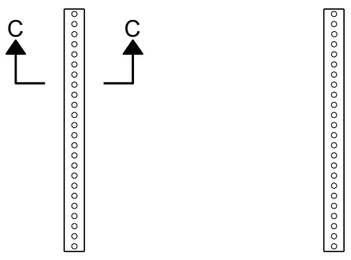
ALTERNATE 1



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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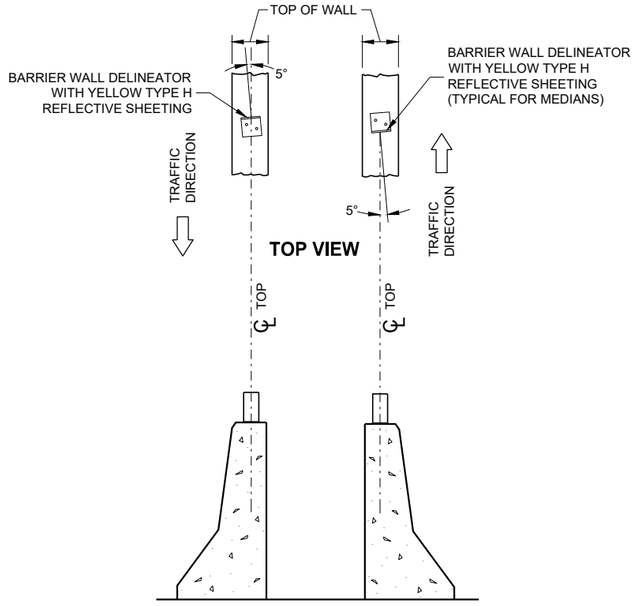
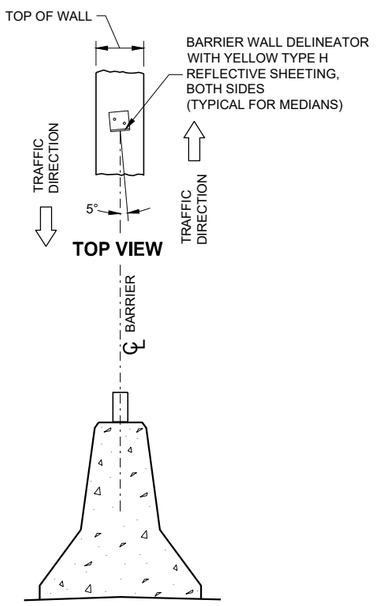
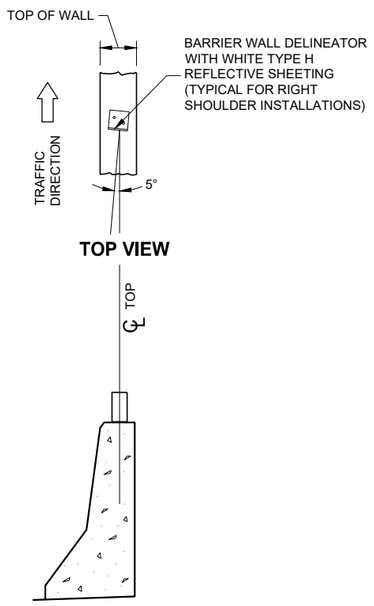
SDD 15A04 - 06a



SIDE VIEW
DOUBLE BARRIERS IN MEDIAN

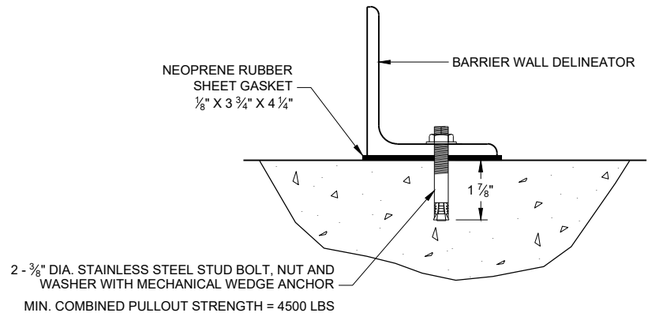


SIDE VIEW
MEDIAN BARRIER

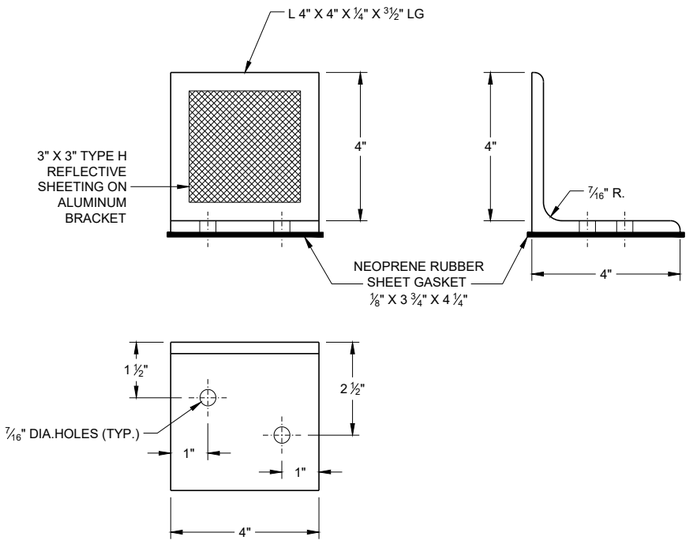


SIDE VIEW
TO RIGHT OF TRAFFIC FLOW

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
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

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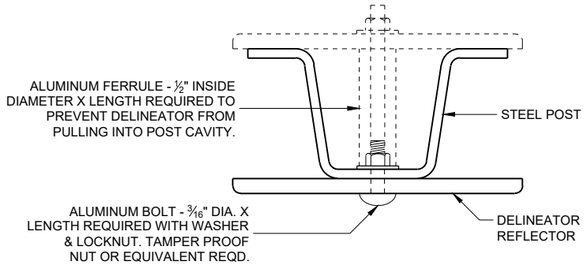
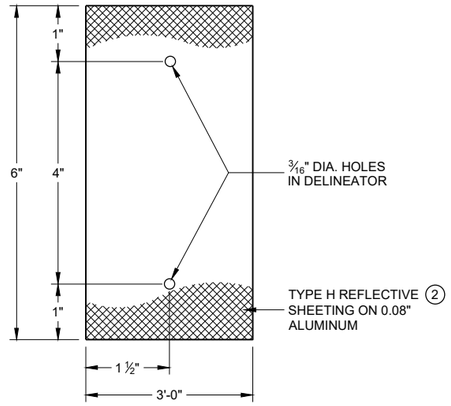
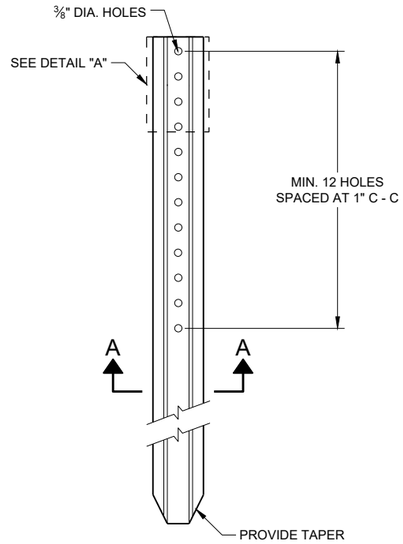
SDD 15A04 - 06b



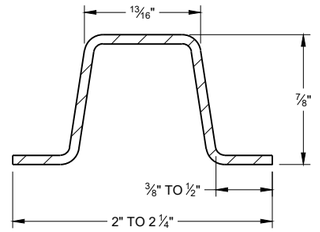
MOUNTING DETAIL FOR DELINEATOR REFLECTOR



DETAIL "A" 3" X 6" DELINEATOR REFLECTOR



DELINEATOR POST



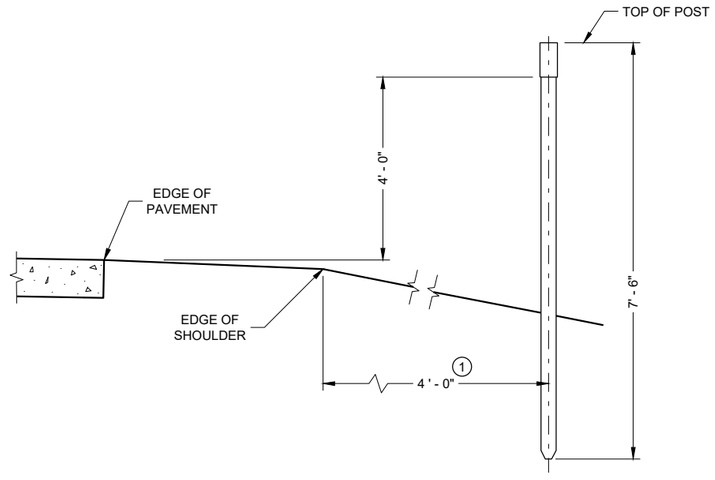
SECTION A - A

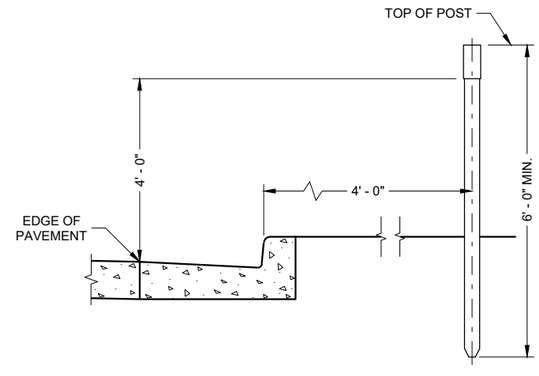
WEIGHT 1.12 LBS PER FT. \ 0.1 LB.

REFLECTOR SPACING TABLE

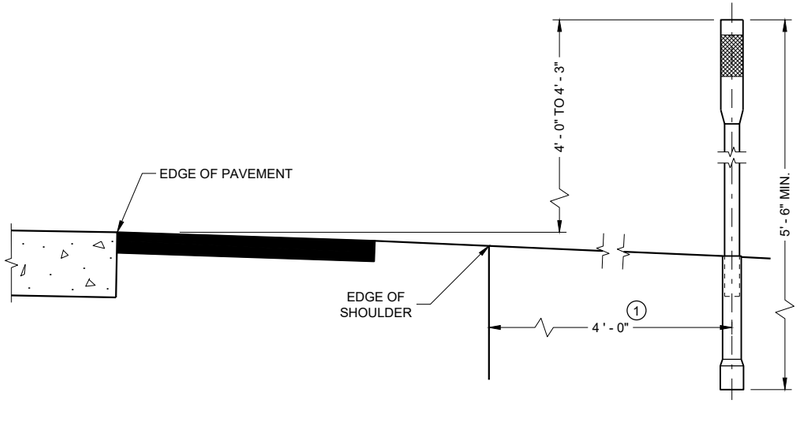
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

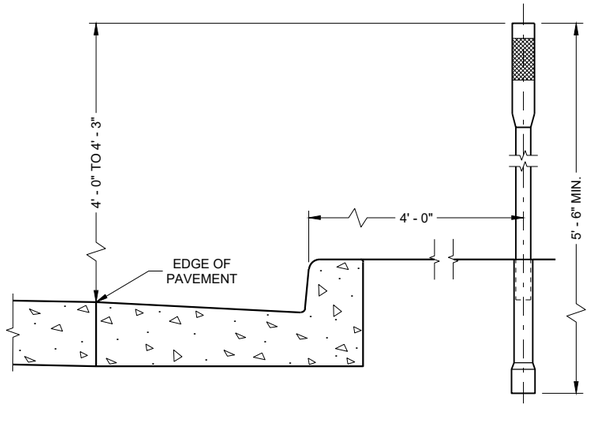
* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER





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
FHWA

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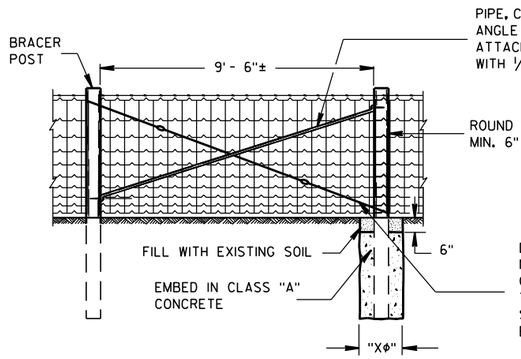
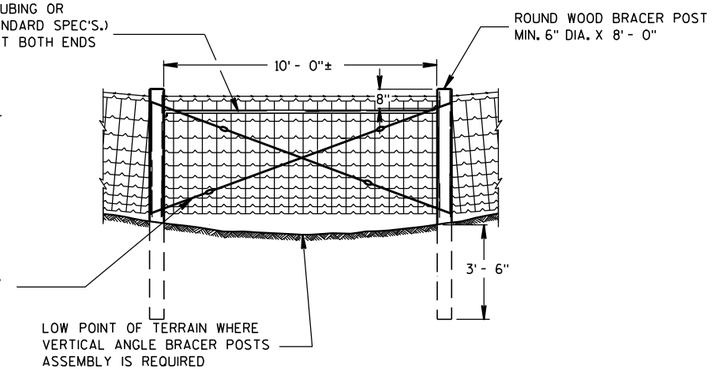
SDD 15A04 - 06c

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

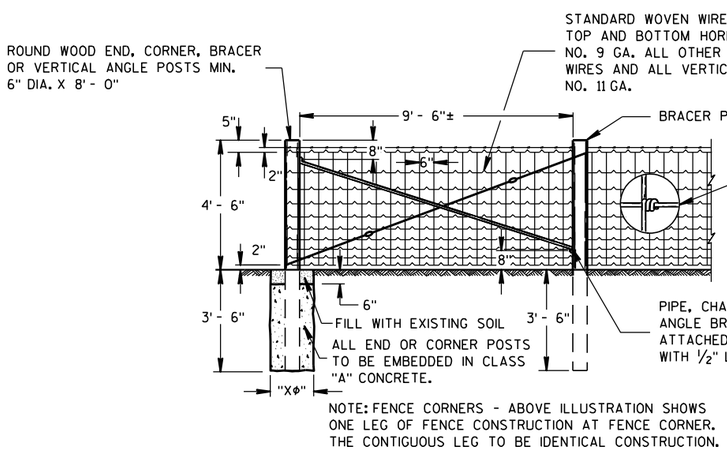
GENERAL NOTES

"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.

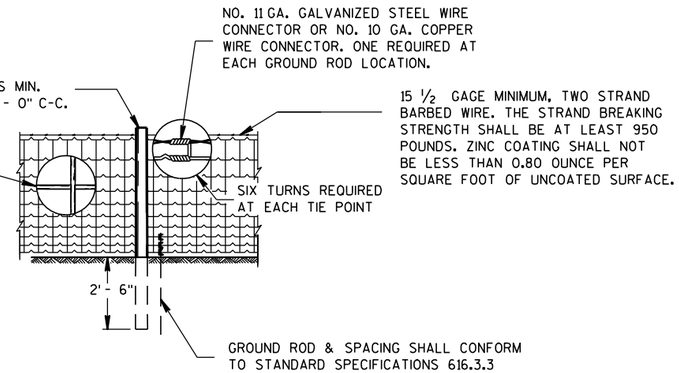
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED 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.



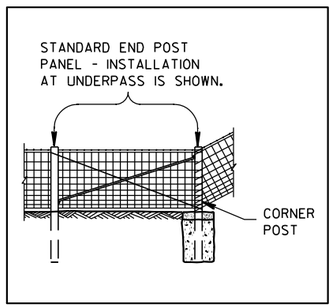
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

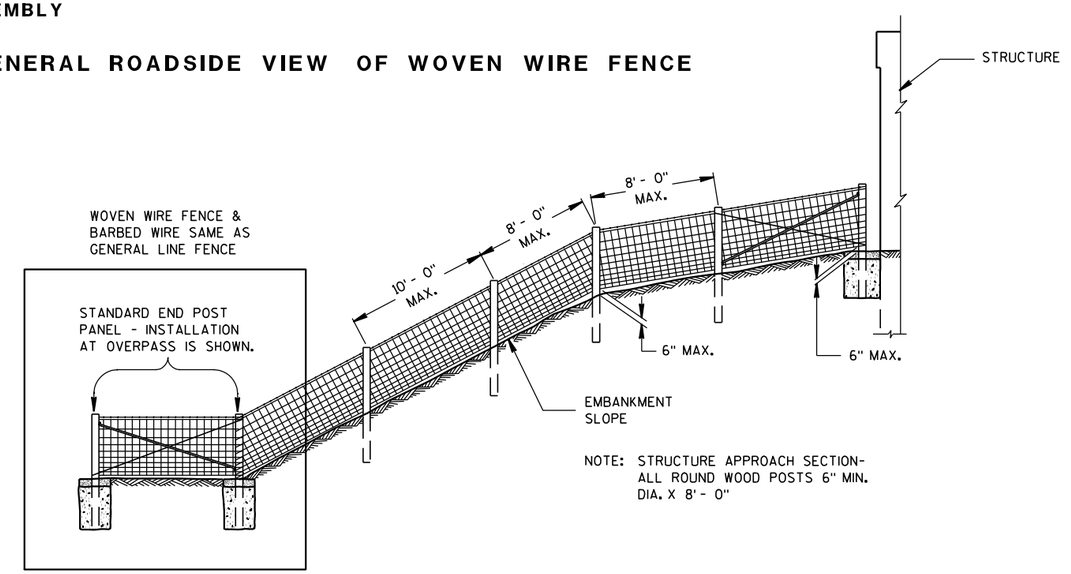


LINE FENCE CONSTRUCTION

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"

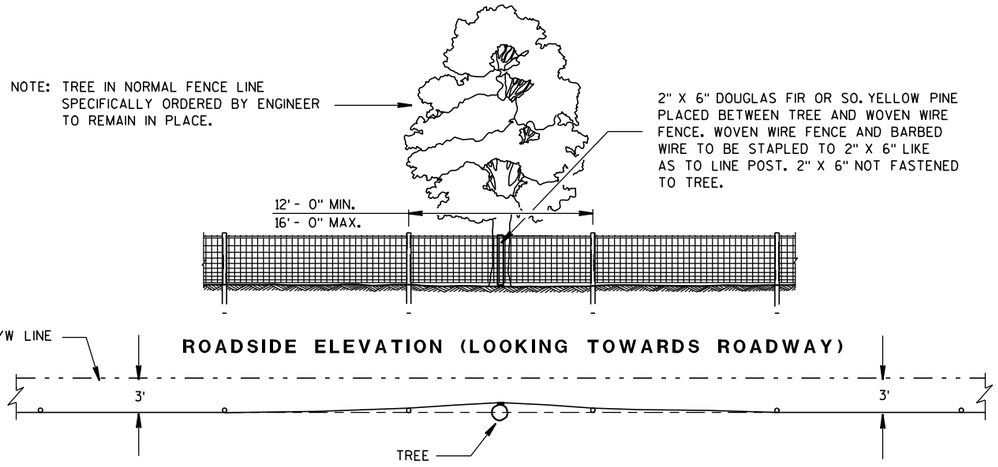
FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

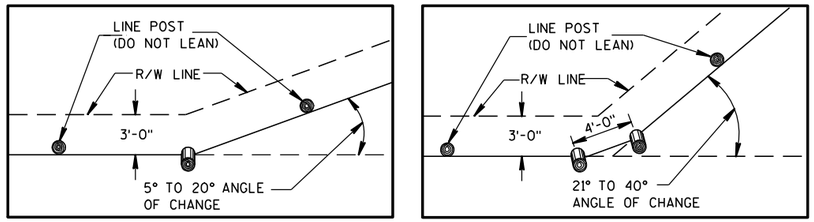
6

S.D.D. 15 B 1-8a



PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



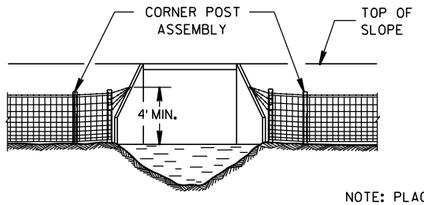
PLAN VIEW
SINGLE POST CORNER

PLAN VIEW
DOUBLE POST CORNER

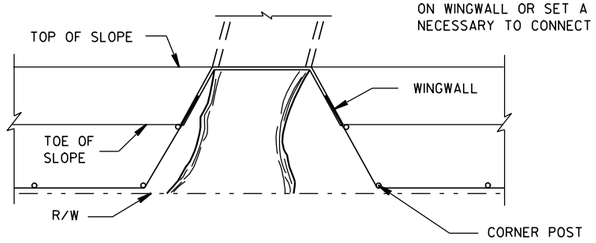
RIGHT OF WAY LINE CHANGE 40° AND LESS

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.

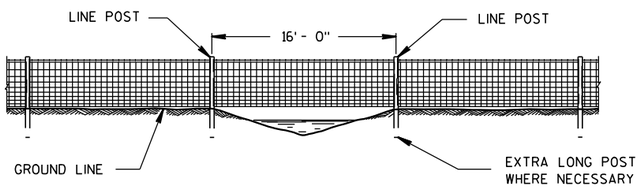
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



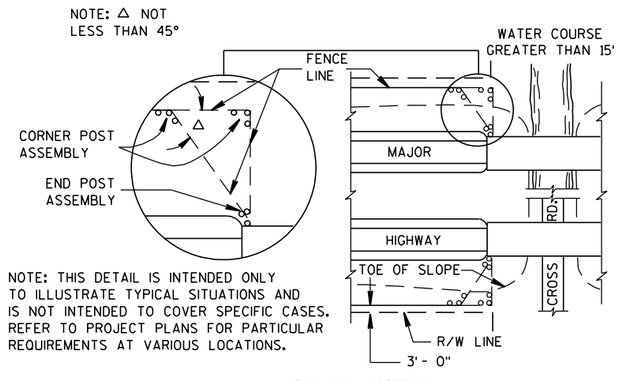
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



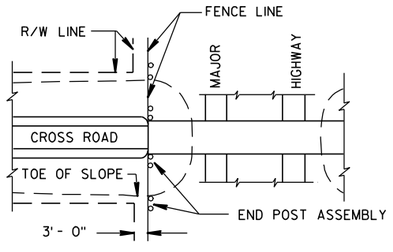
FENCE INSTALLATION TO WINGWALLS



FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH



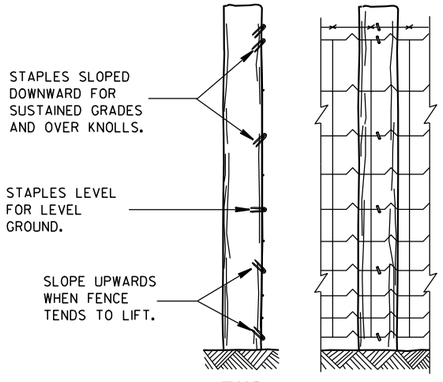
PLAN VIEW
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW
MAJOR HIGHWAY UNDERPASS

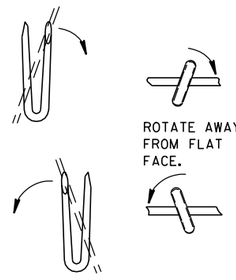
FENCE LOCATION AT STRUCTURES

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION **FARM SIDE ELEVATION**

FENCE MOUNTING DETAIL



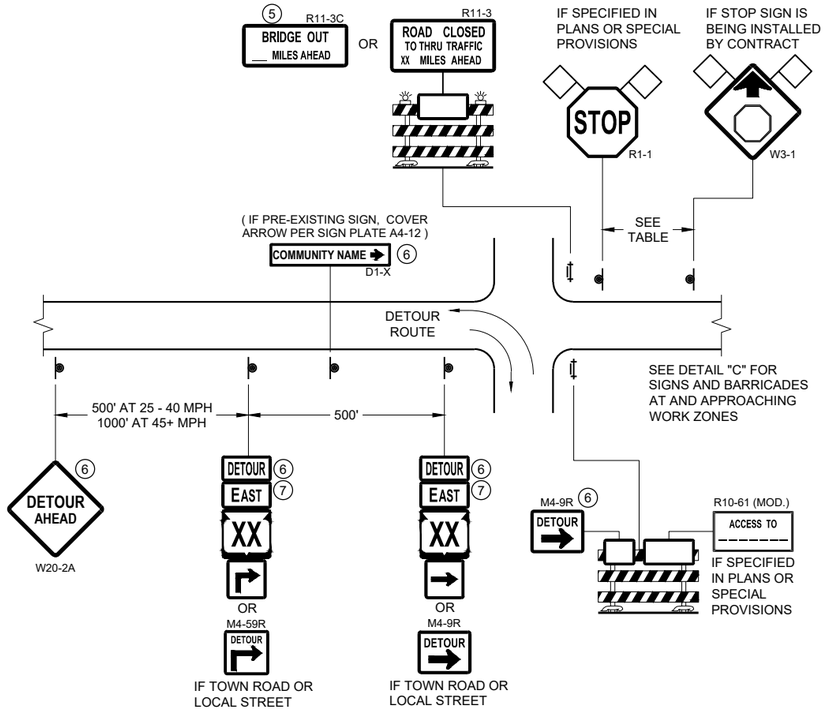
LINE POST

FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

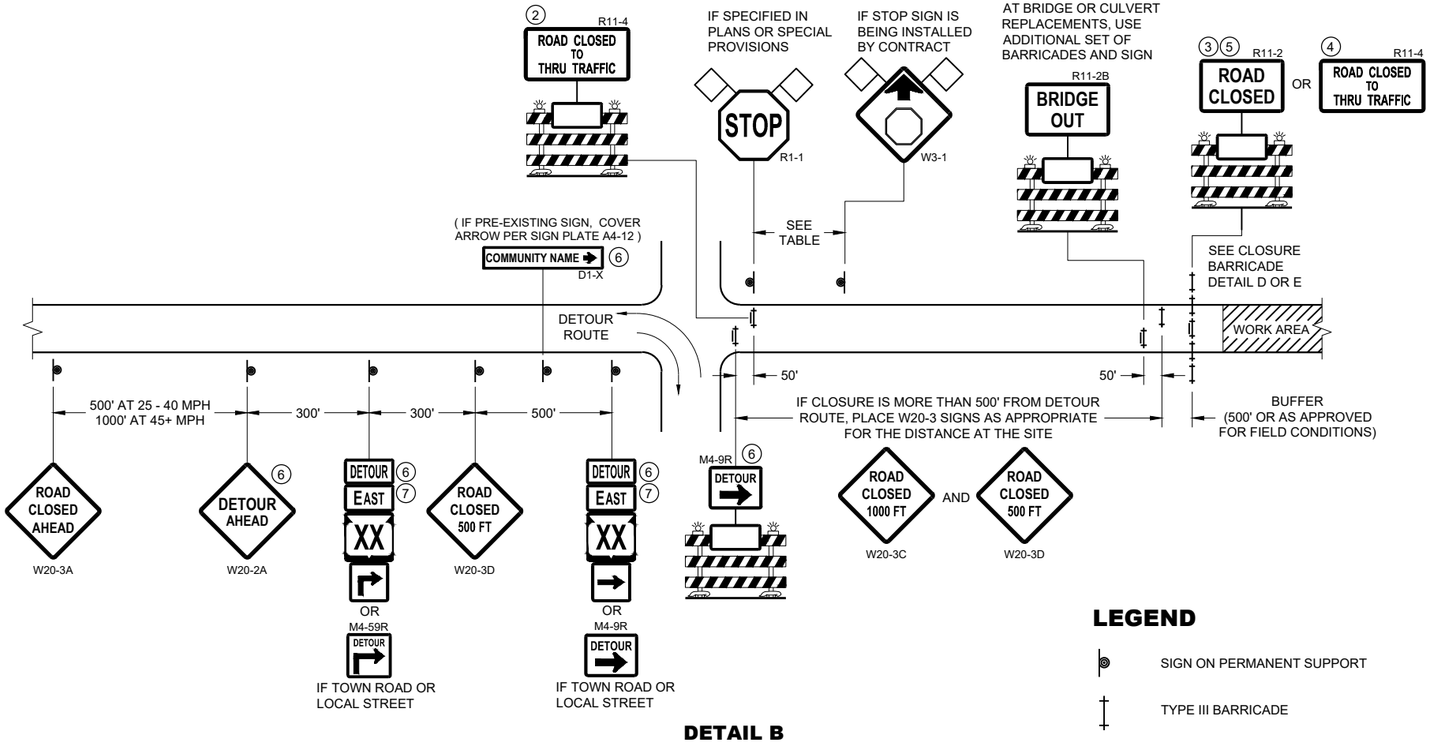
APPROVED
4/4/2008 — DATE
/S/ Jerry H. ---- — ROADWAY STANDARDS [476] — ENGINEER
FHWA

6
S.D.D. 15 B 1-8b



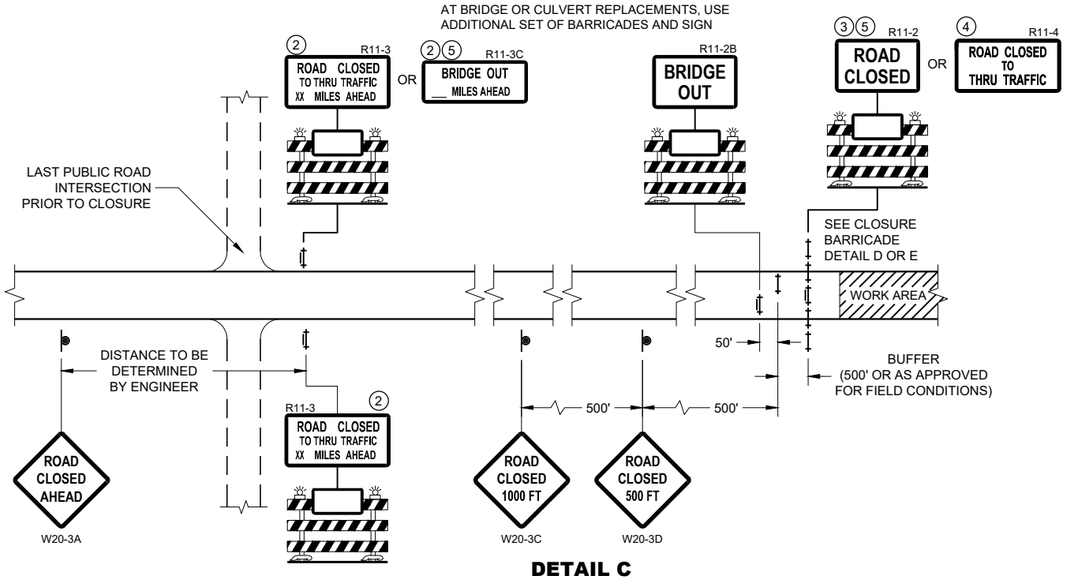
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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)



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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

477

6
SDD 15C02 - 08a

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.

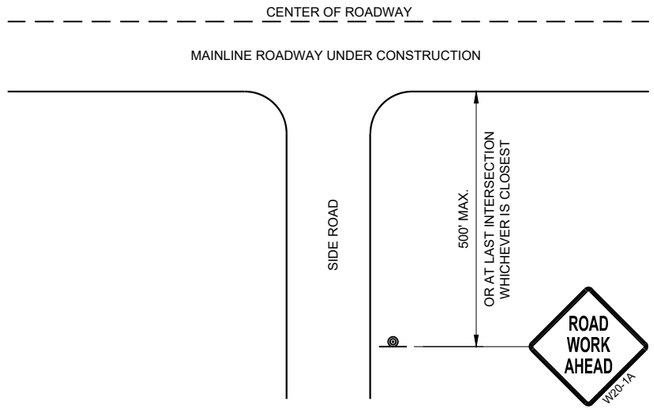
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.



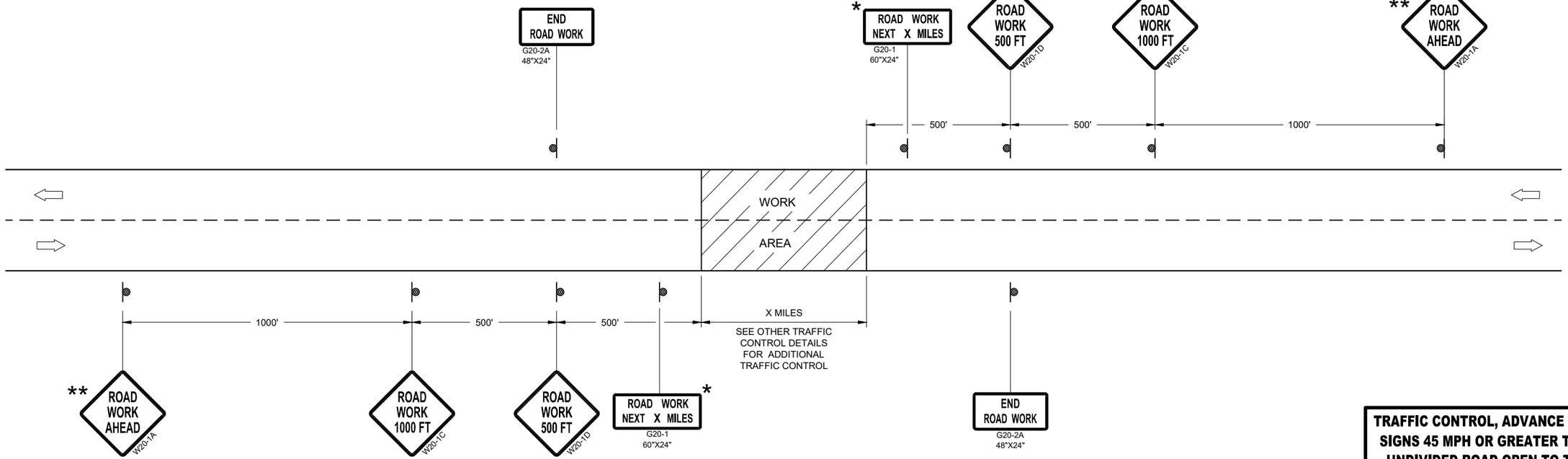
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

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.

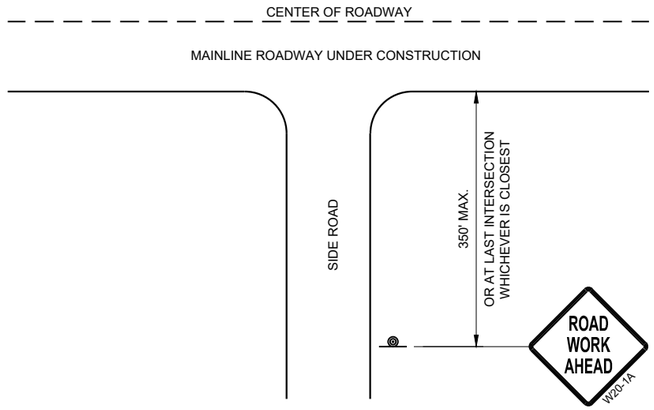
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.



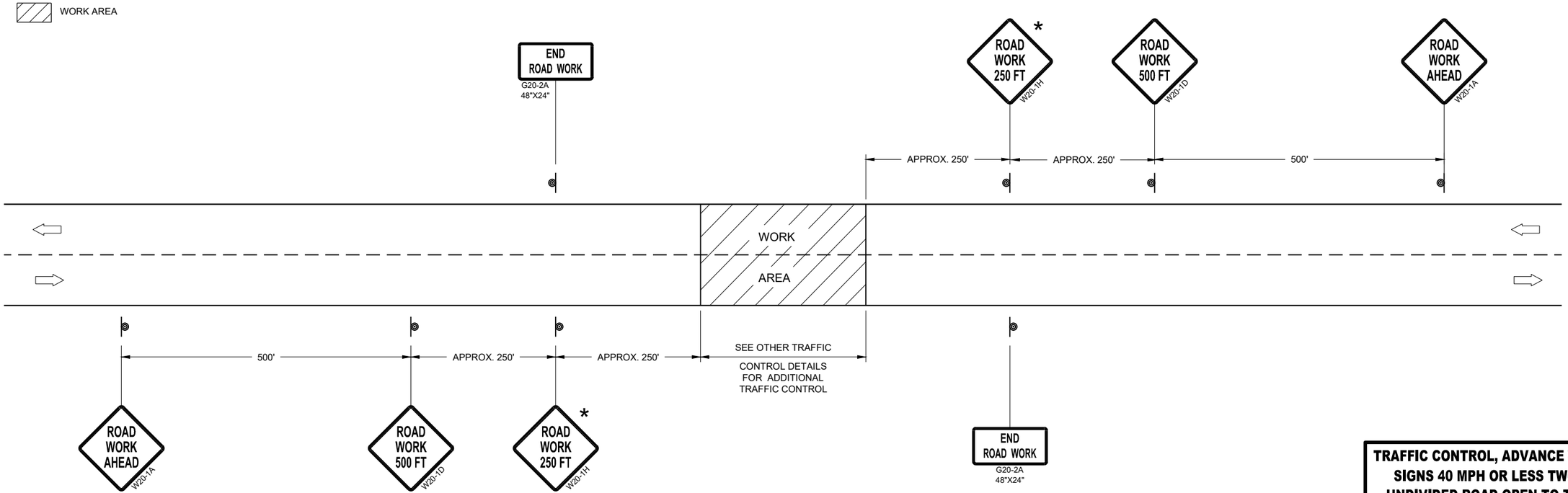
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

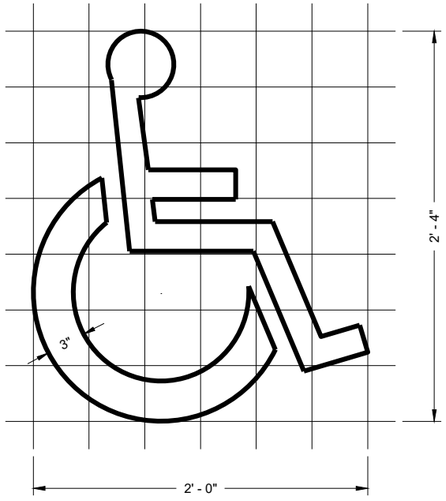
FHWA

6

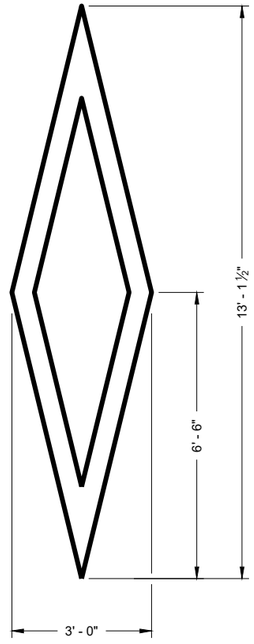
SDD 15C05 - 05

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.



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

SDD 15C07 - 15a

SDD 15C07 - 15a

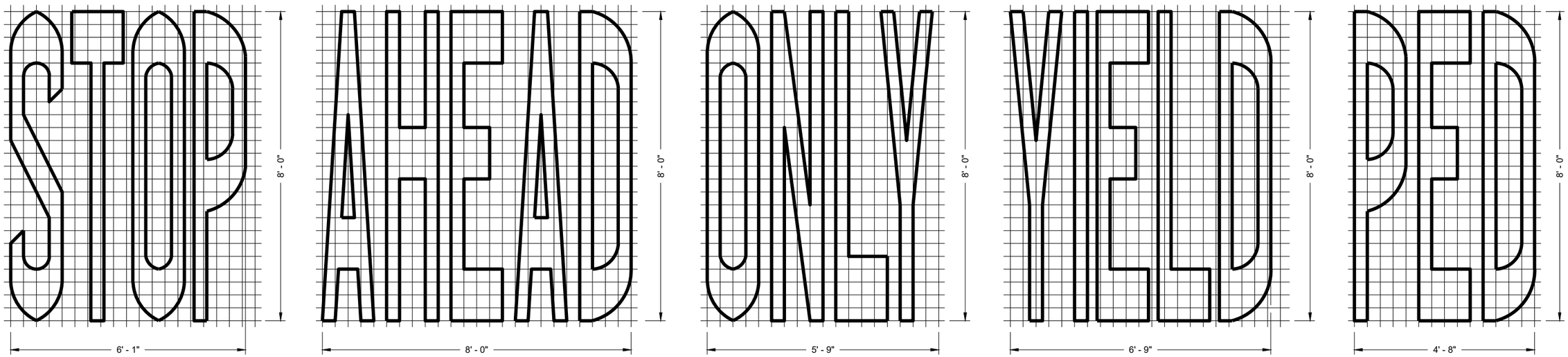
PAVEMENT MARKING SYMBOLS

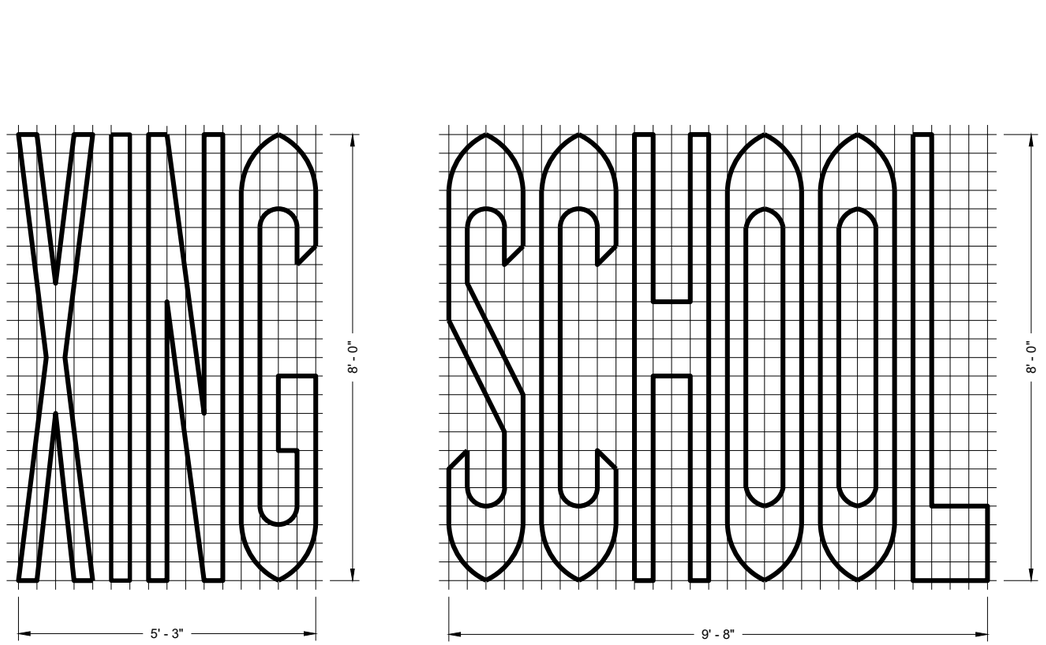
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

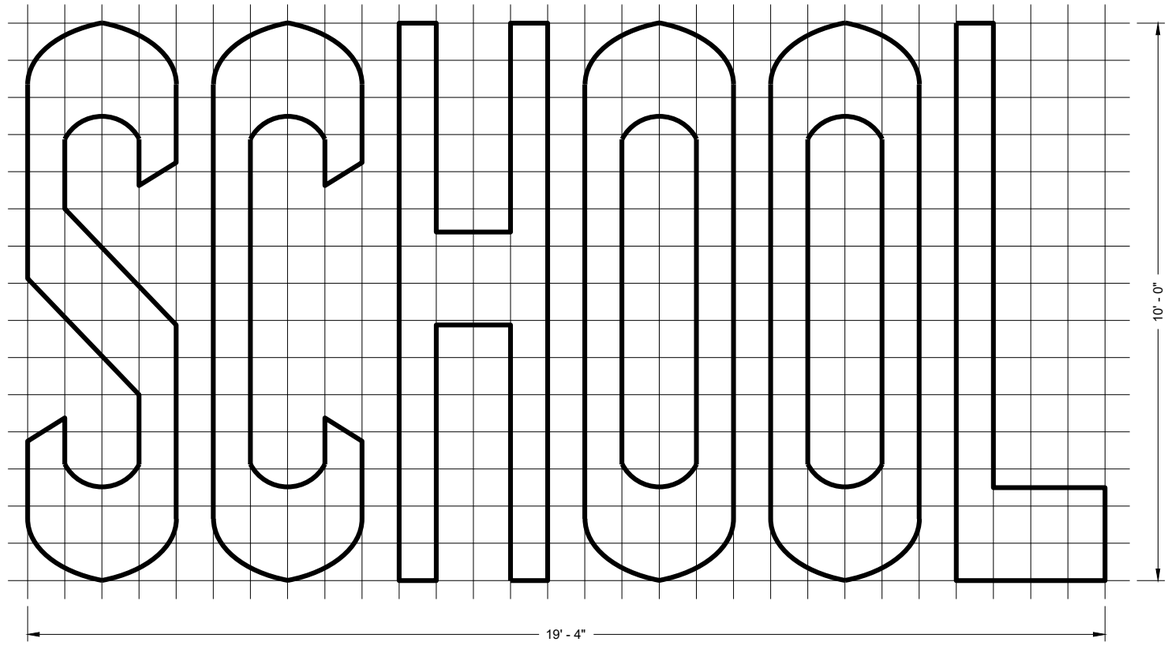
/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

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

6

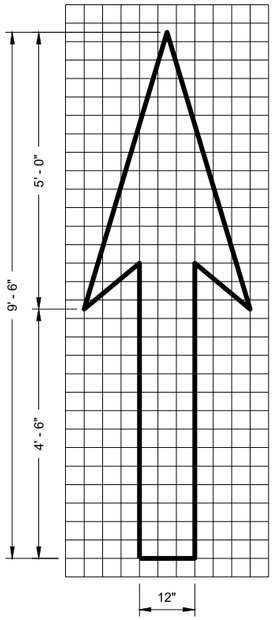
SDD 15C07 - 15b

6

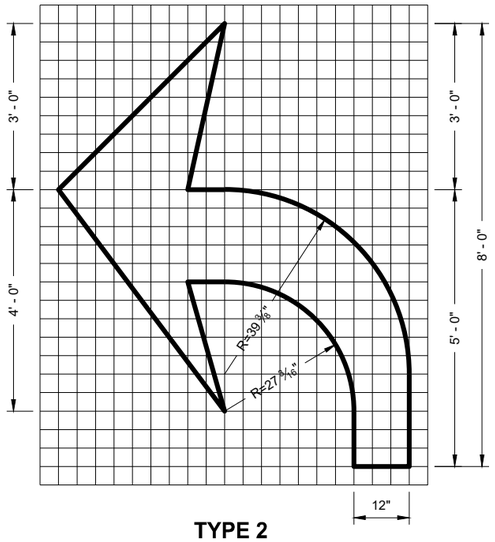
SDD 15C07 - 15b

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



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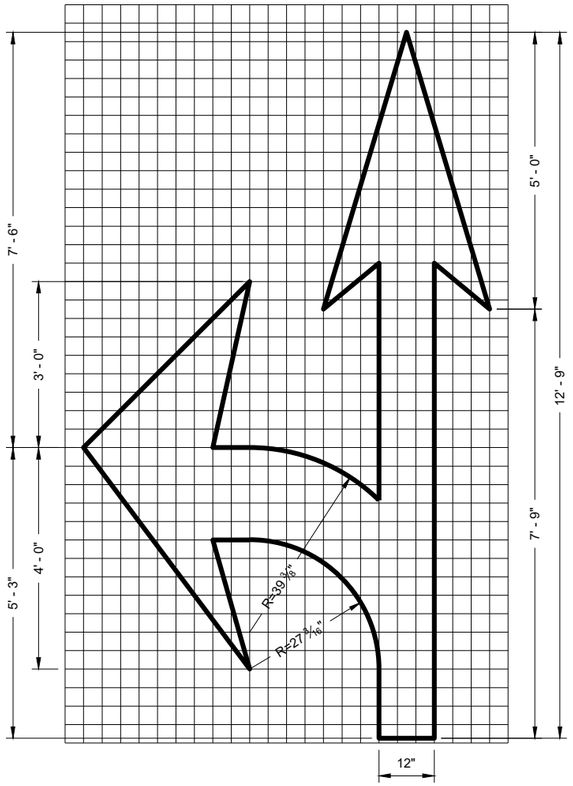

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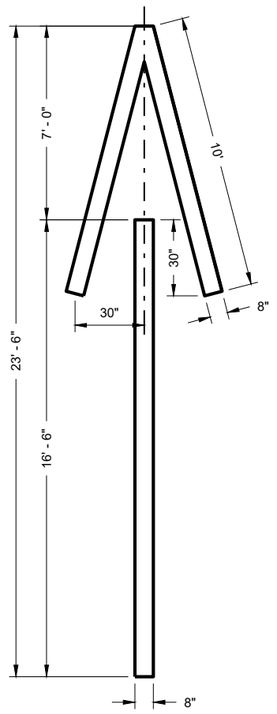
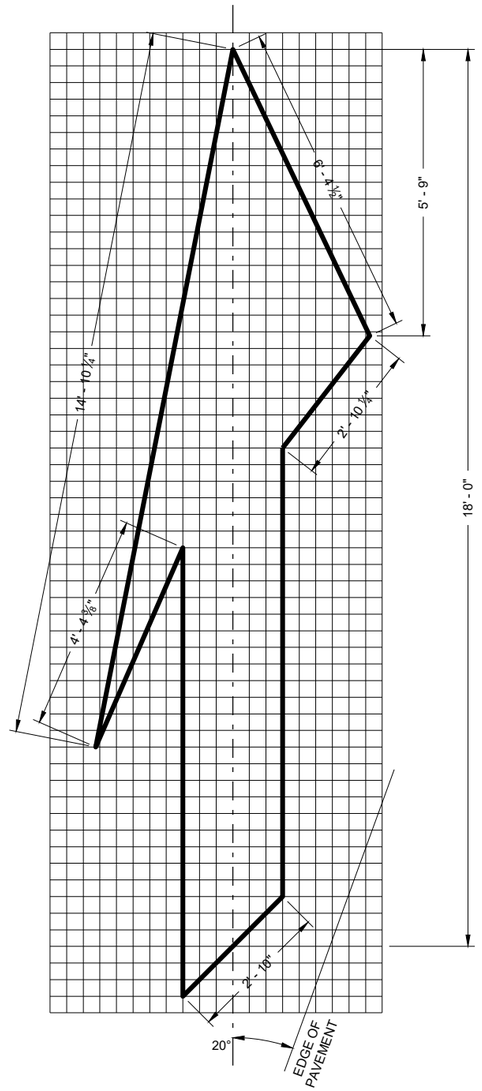
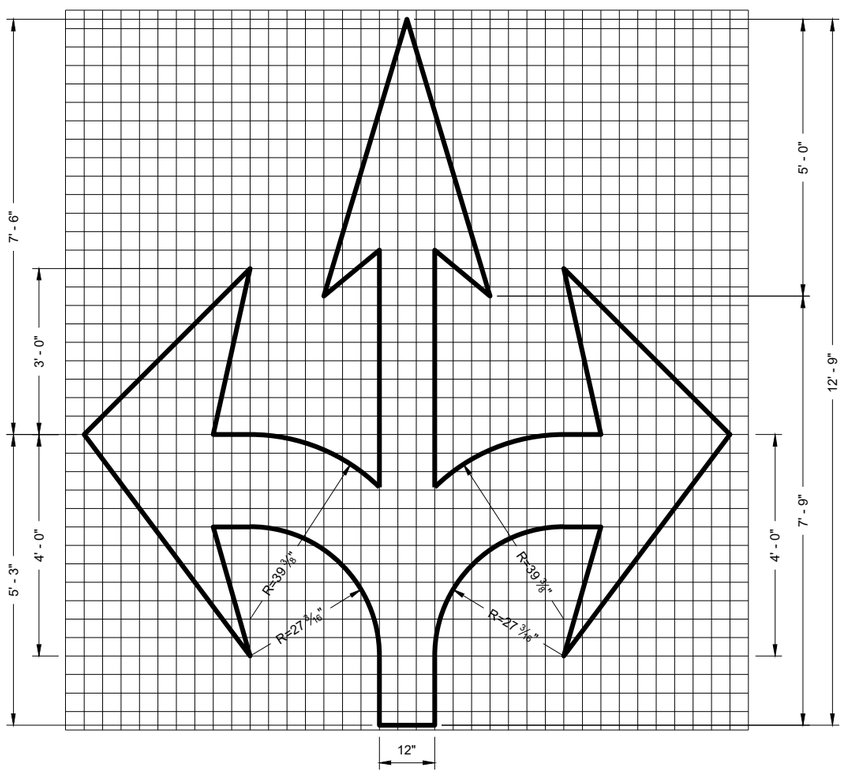


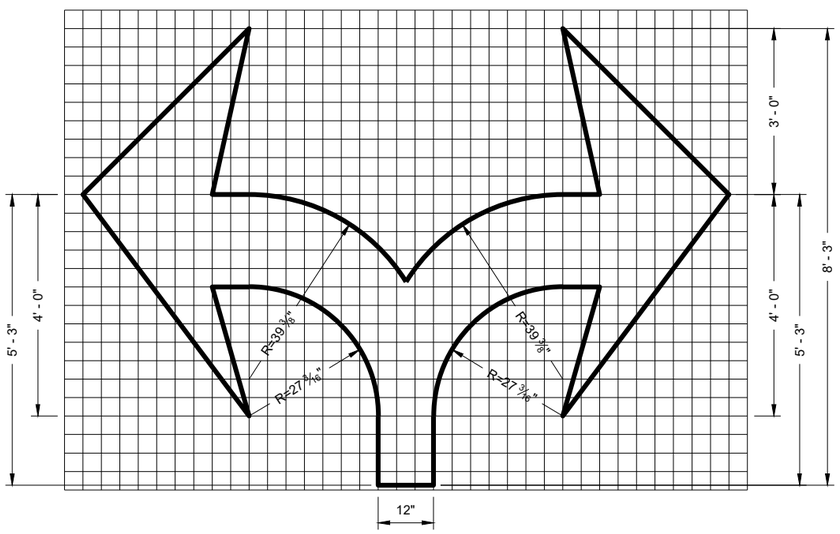
TYPE 4



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 MARKING ENGINEER

FHWA

482

6

SDD 15C07 - 15c

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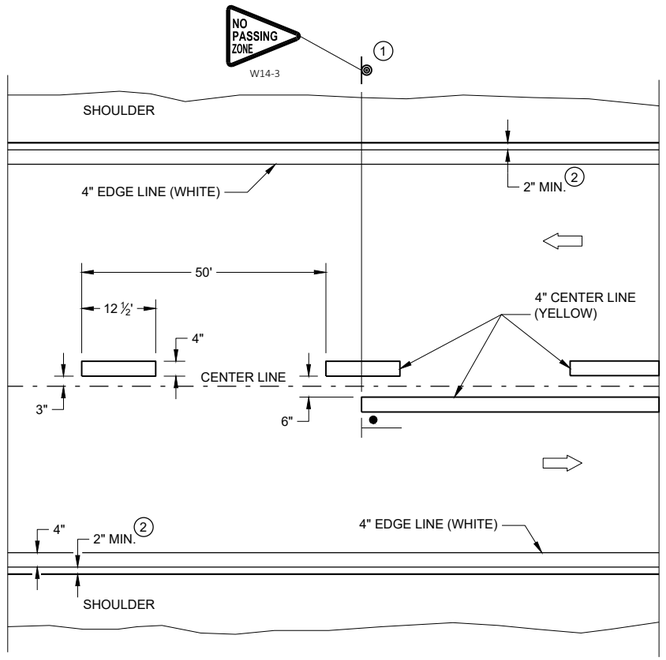
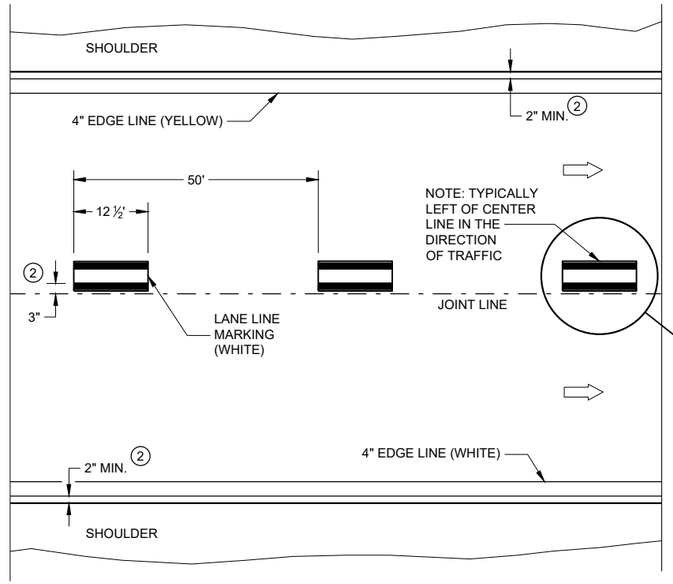
SDD 15C07 - 15c

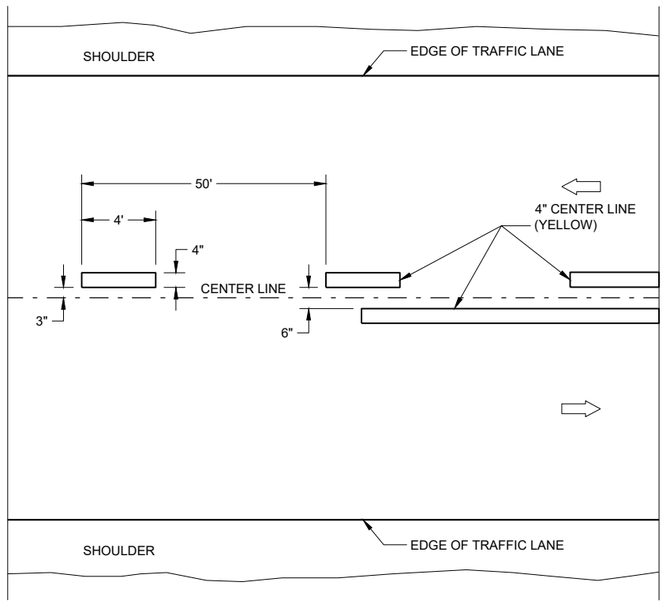


TWO WAY TRAFFIC

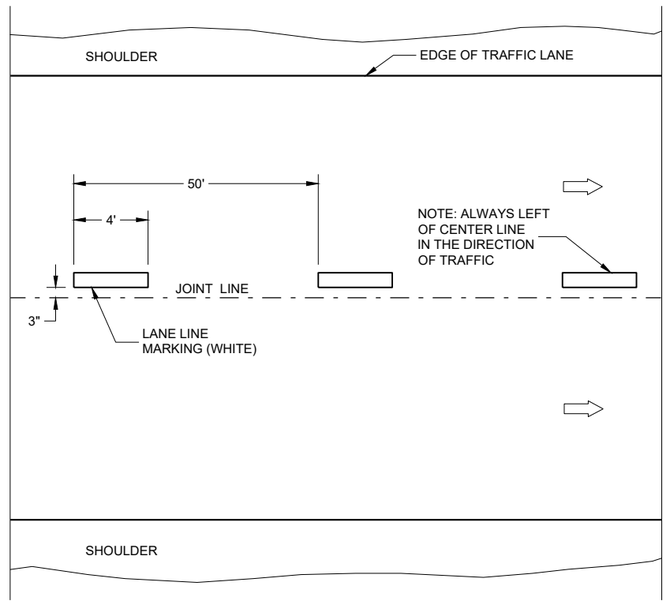


ONE WAY TRAFFIC

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.

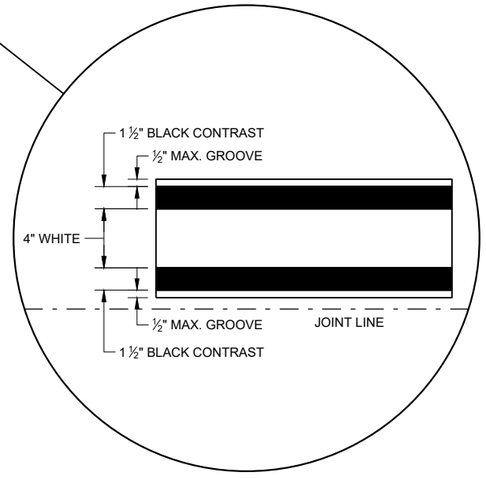
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

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

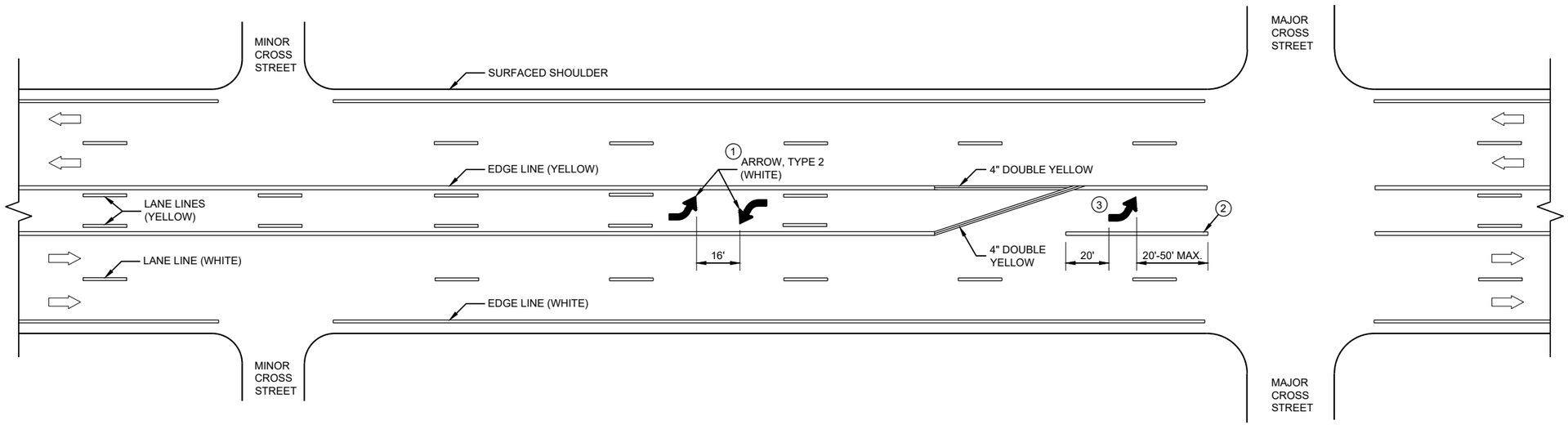
SDD 15C08 - 20a

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

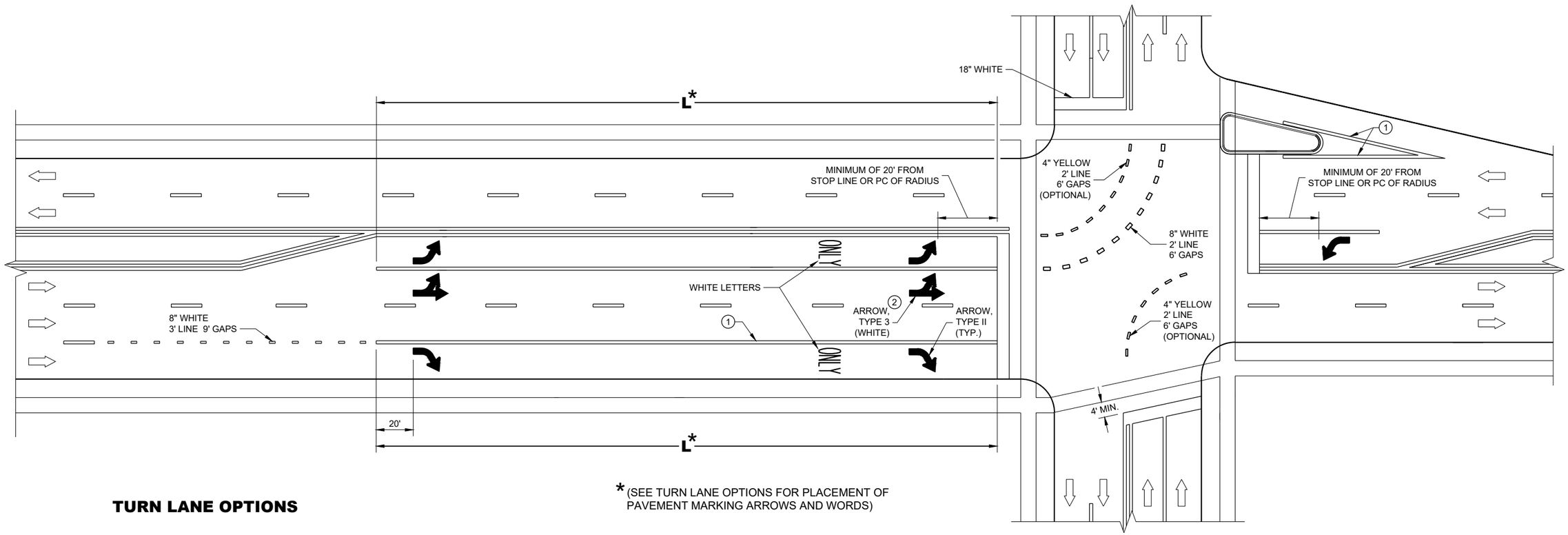
6

SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

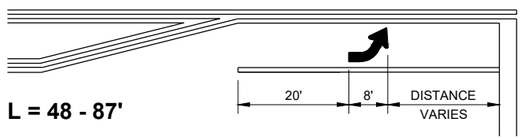
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



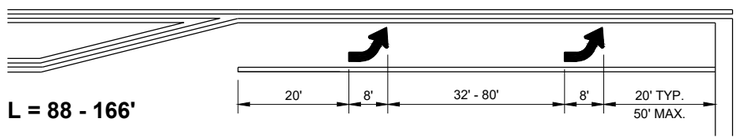
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

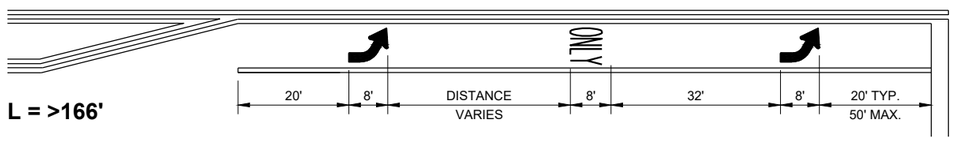
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

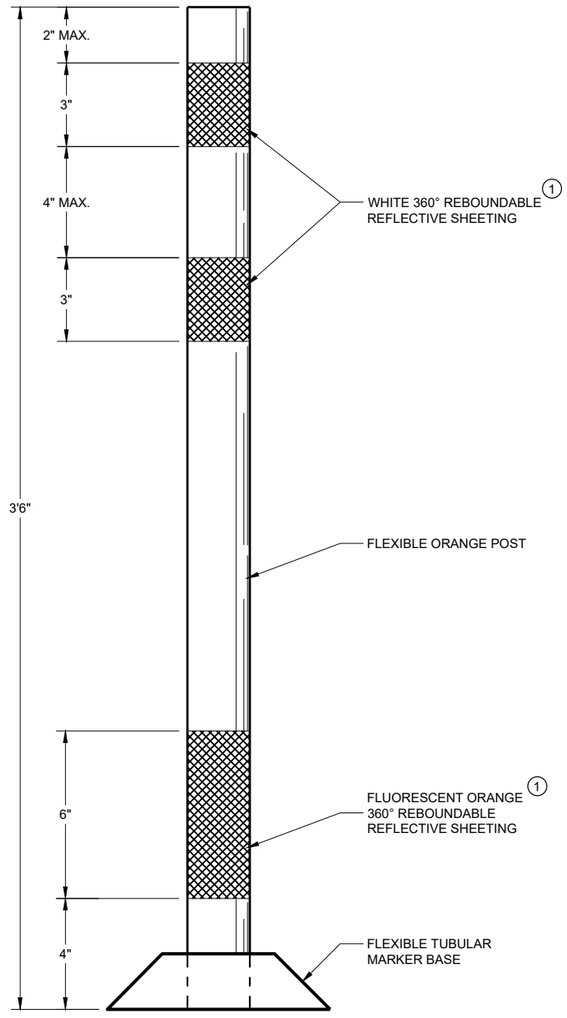
L = LENGTH OF TURN BAY

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

SDD 15C11 - 09a

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

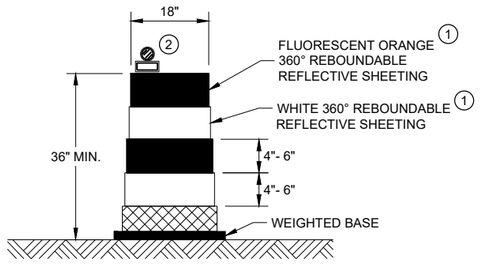
FHWA

6

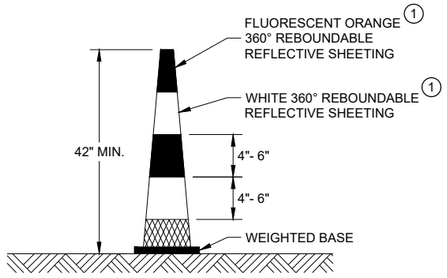
SDD 15C11 - 09a

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.

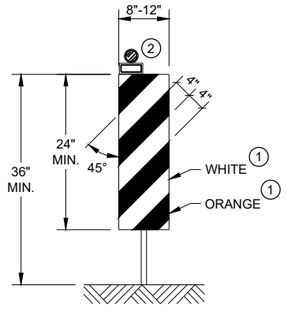


DRUM



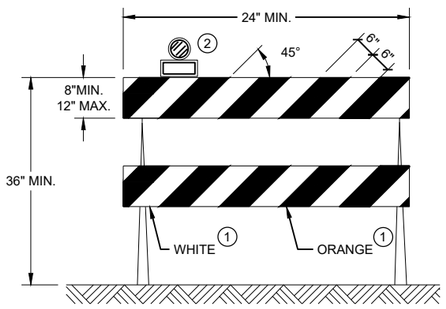
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



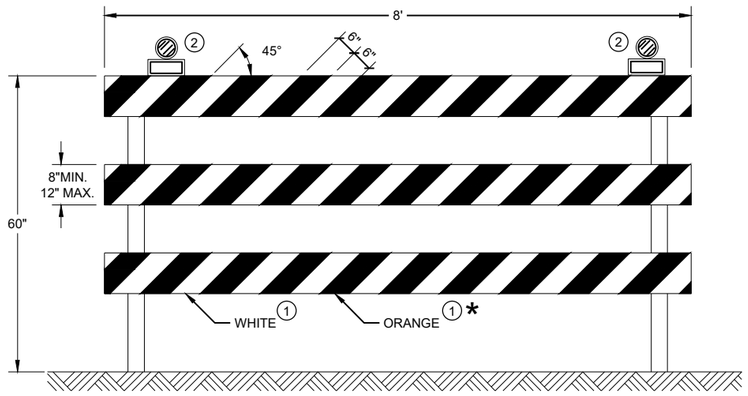
VERTICAL PANEL

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

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

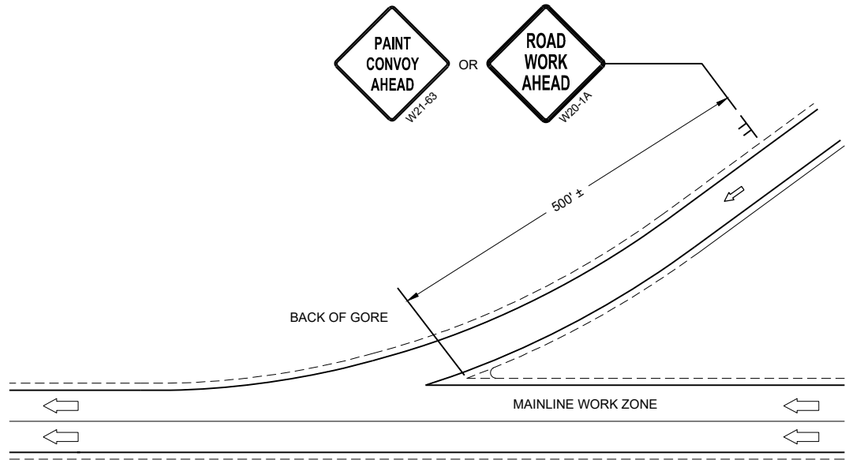
FHWA

6

SDD 15C11 - 09b
SDD 15C11 - 09b

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.

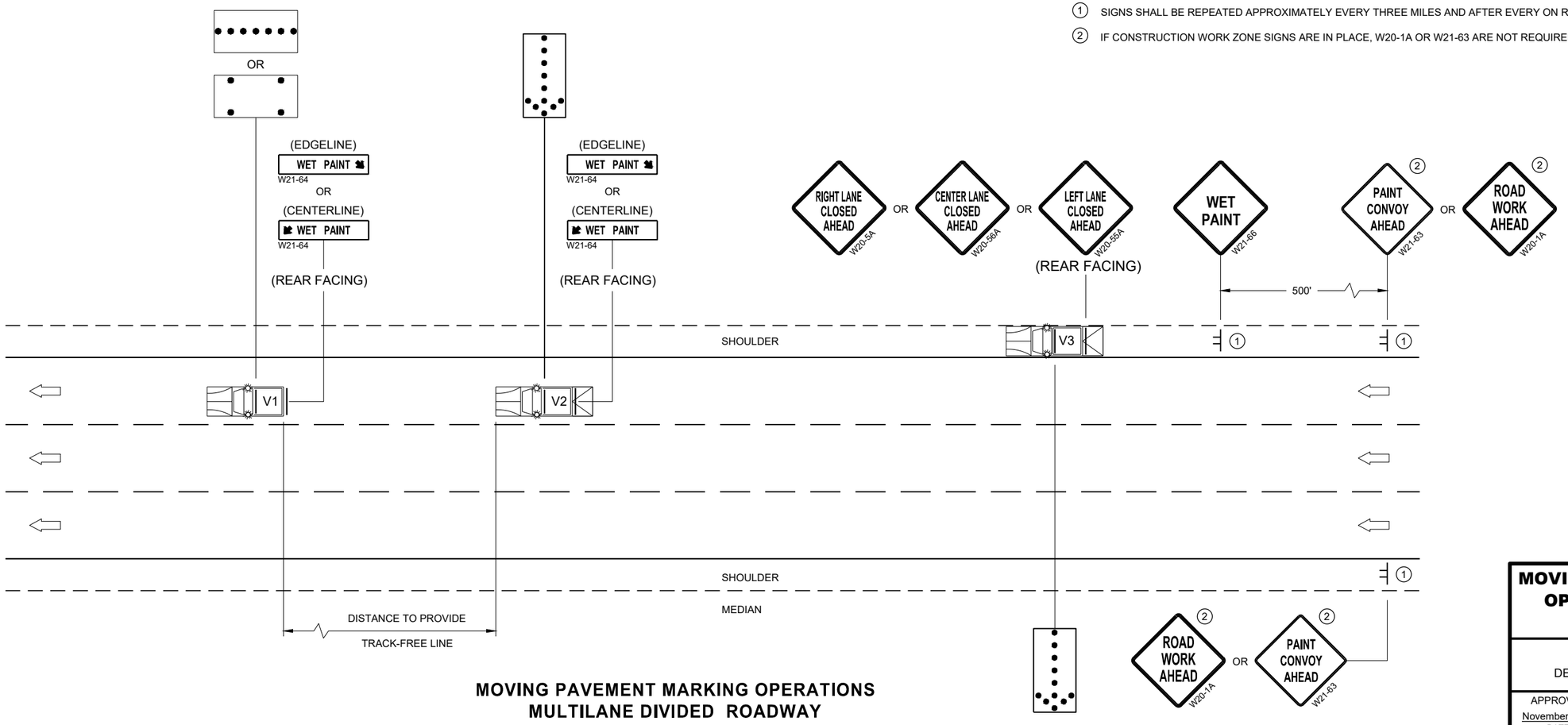
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

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

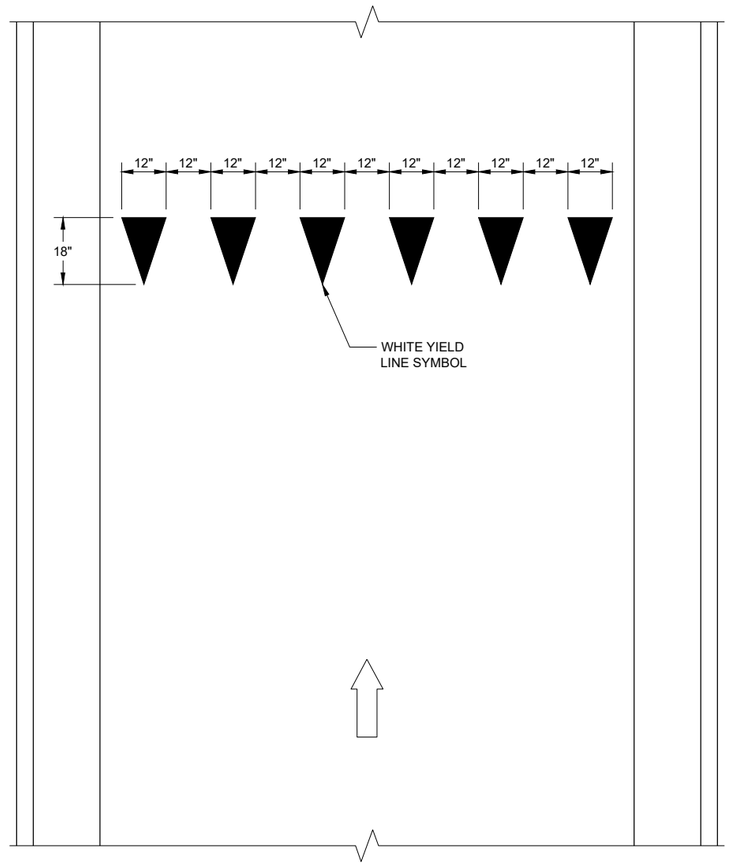
FHWA

6

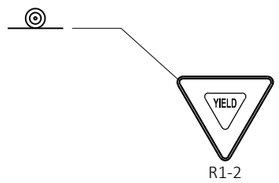
SDD 15C19 - 06c

6

SDD 15C19 - 06c



YIELD LINE



R1-2

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-81-2016
DATE

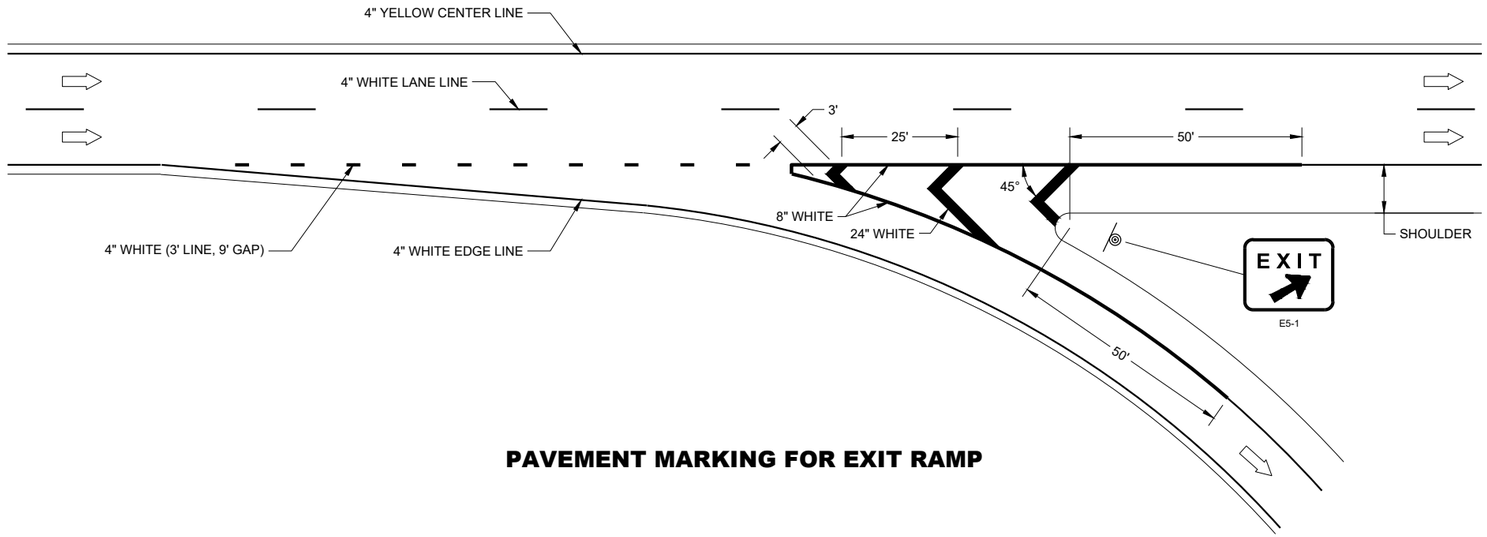
/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

FHWA

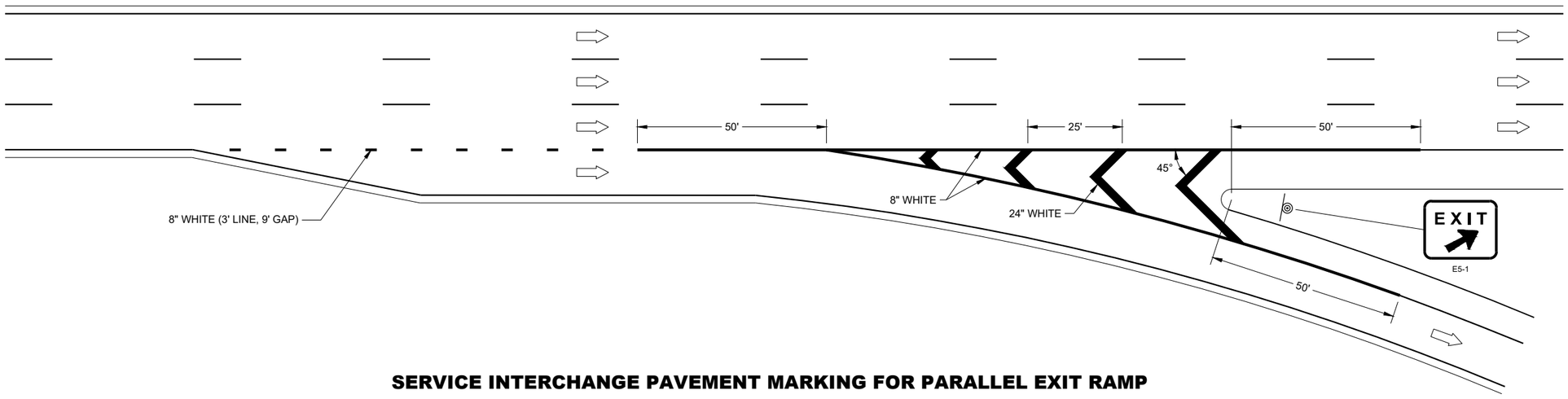
6

SDD 15C20 - 02

SDD 15C20 - 02



PAVEMENT MARKING FOR EXIT RAMP



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT RAMP

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL

6

SDD 15C31 - 04a

PAVEMENT MARKING, EXIT RAMP AND PARALLEL EXIT RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

SDD 15C31 - 04a

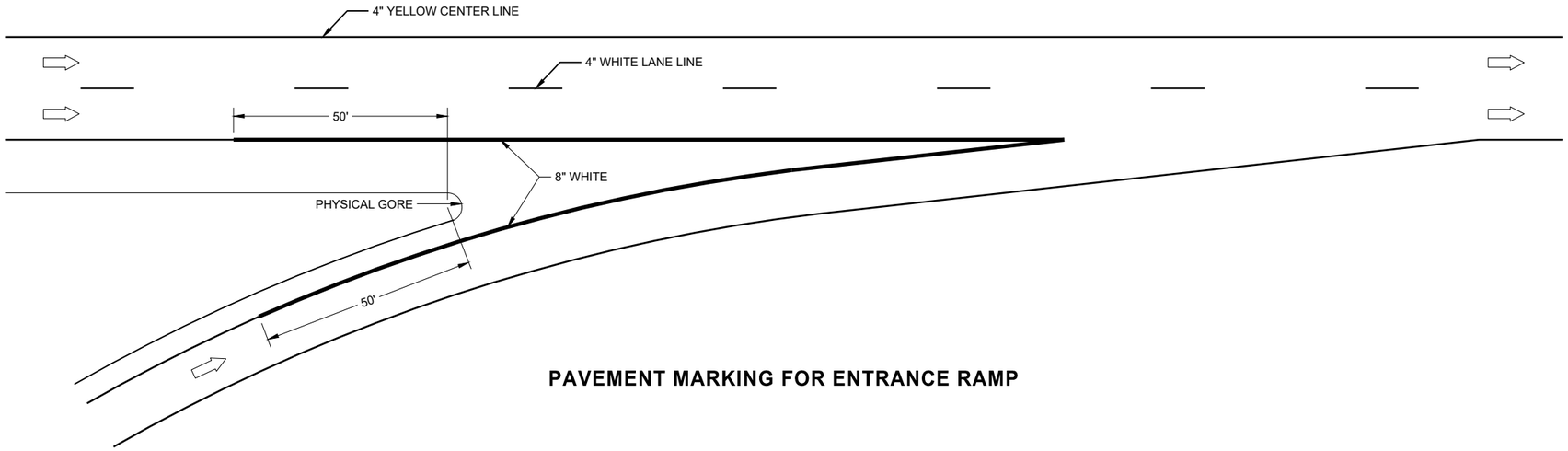
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

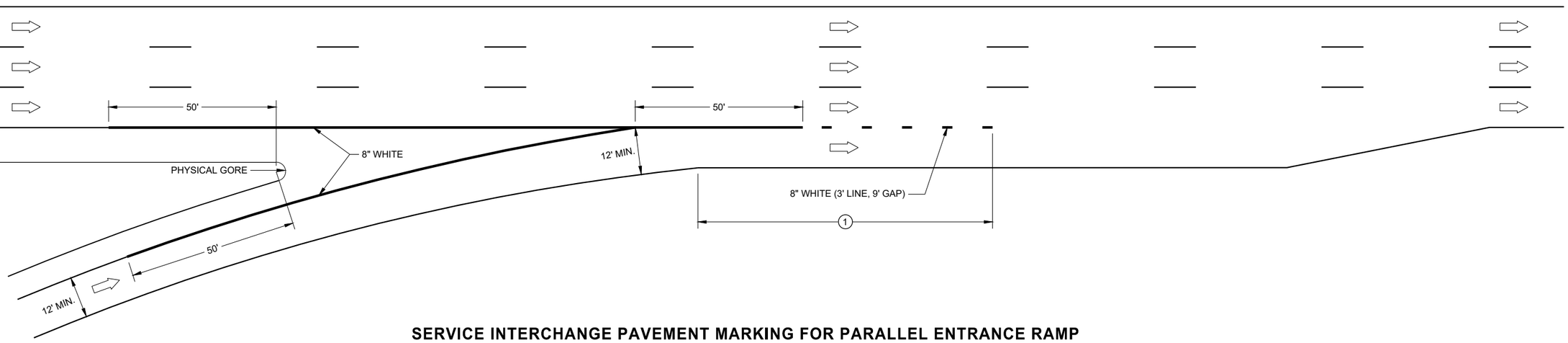
(1) ½ LENGTH OF FULL WIDTH ACCELERATION LANE.

LEGEND

DIRECTION OF TRAVEL



PAVEMENT MARKING FOR ENTRANCE RAMP



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE RAMP

6

6

SDD 14C31 - 04c

SDD 14C31 - 04c

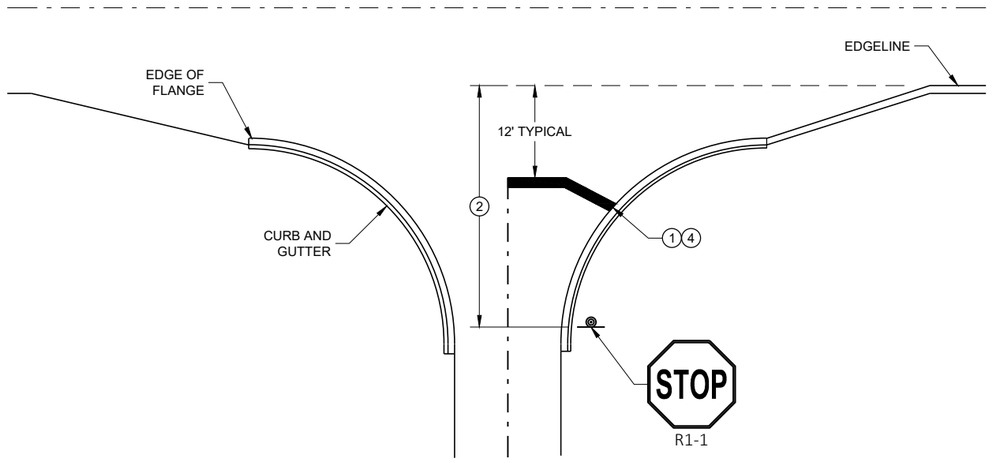
PAVEMENT MARKING, ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

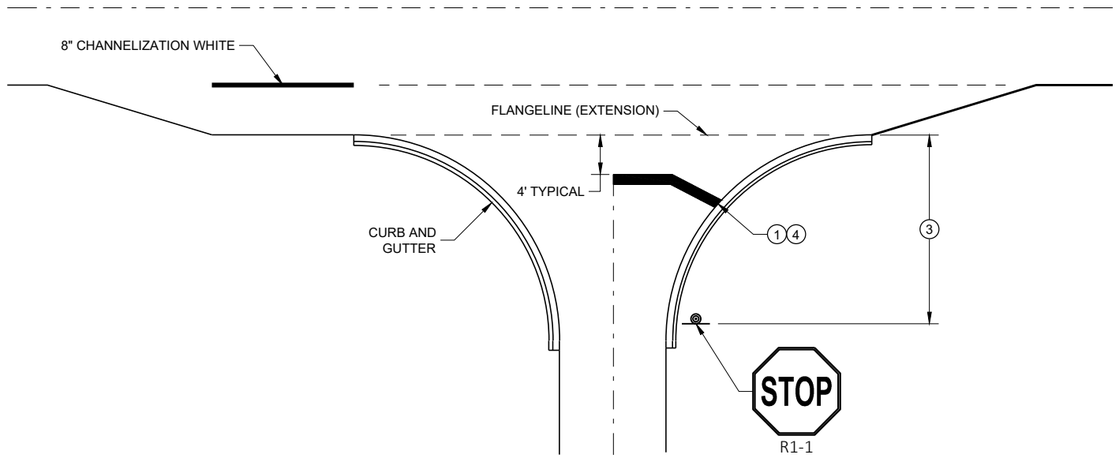
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

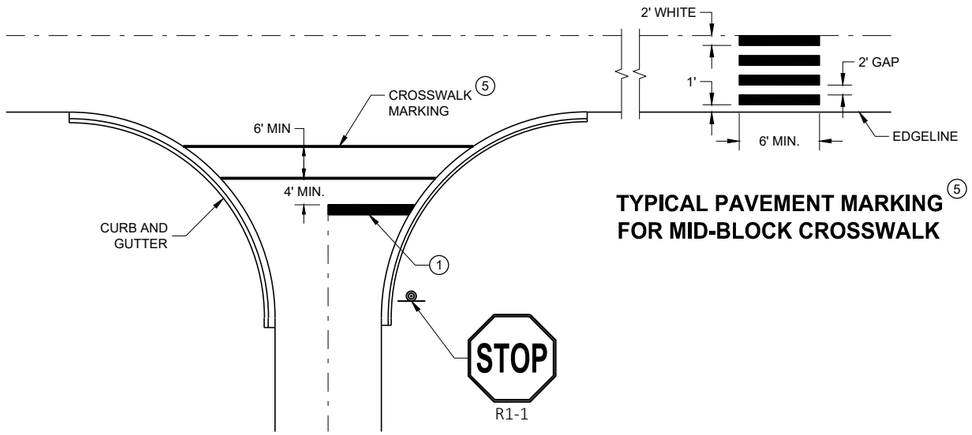
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

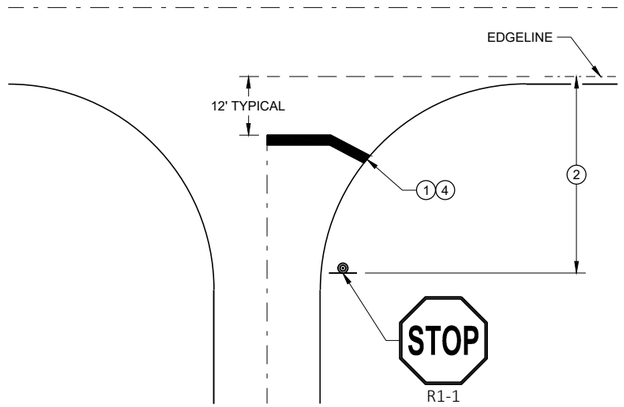


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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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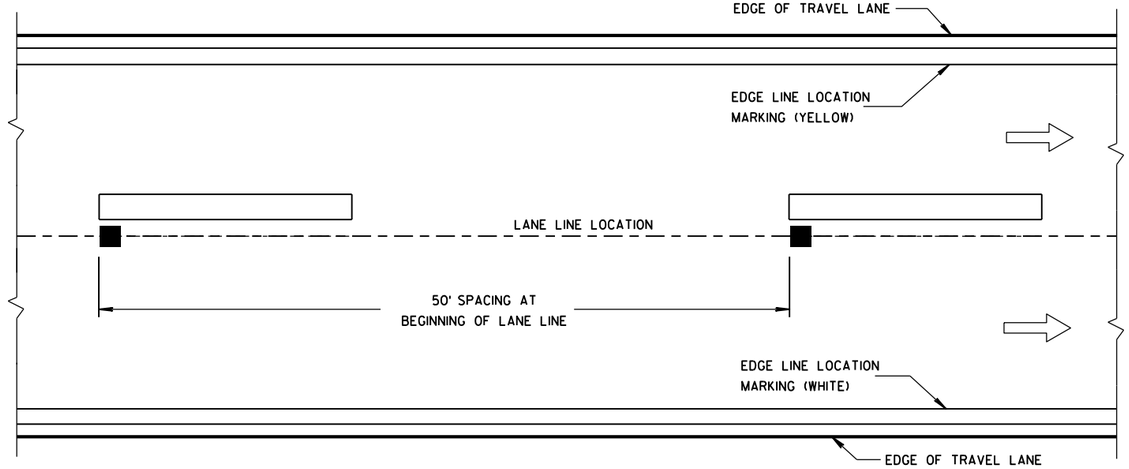
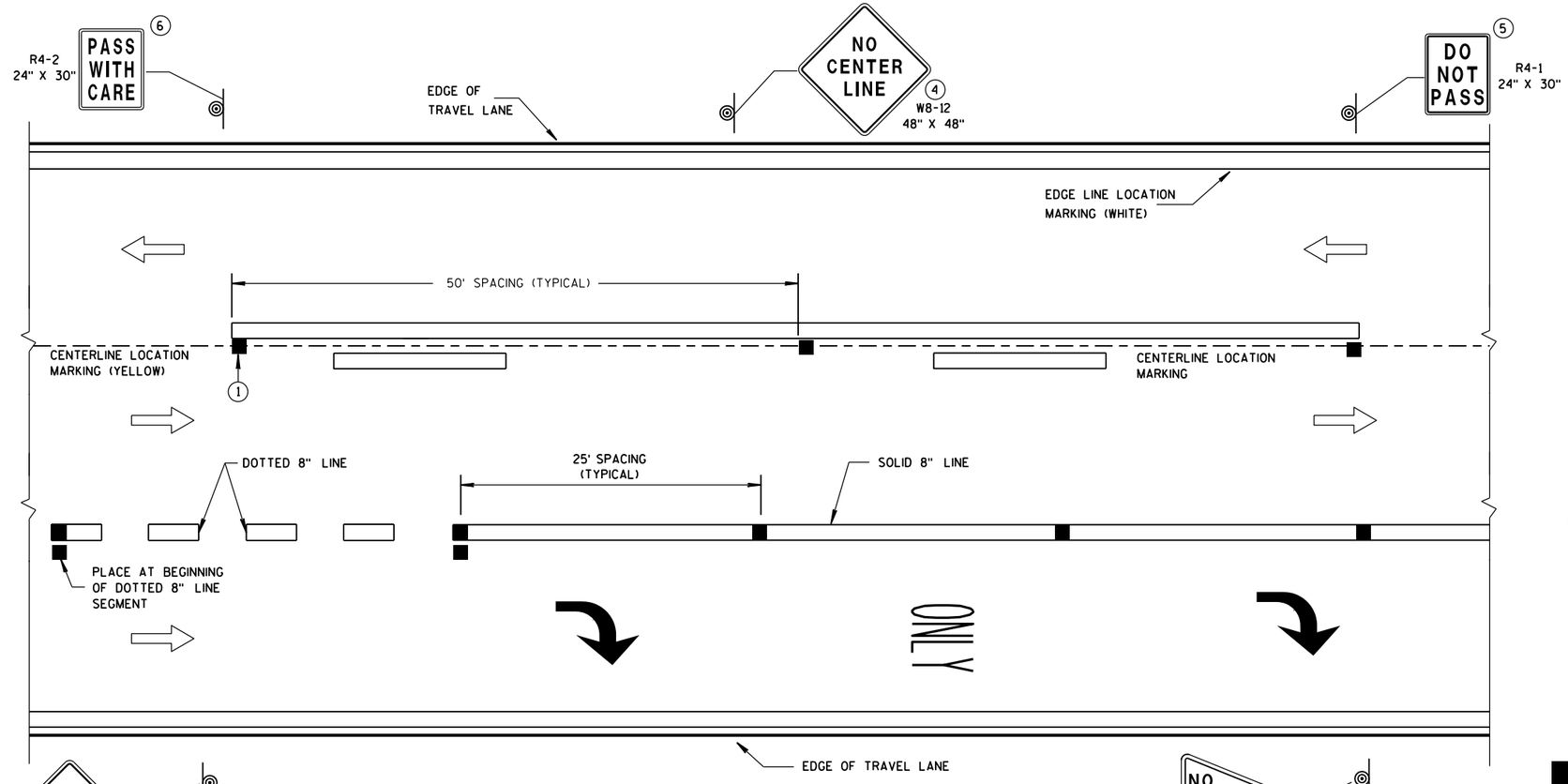
SDD 15C33 - 04



LONGITUDINAL PLACEMENT 4-INCH LANE LINE



LONGITUDINAL PLACEMENT 4-INCH CENTERLINE AND 8-INCH CHANNEL LINE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

COLOR OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II SHALL MATCH THE COLOR OF THE MARKING THEY SUPPLEMENT.

PLACEMENT OF TEMPORARY RAISED PAVEMENT MARKERS ON EDGE LINES ARE OPTIONAL. IF PLACED ON EDGE LINES, MAXIMUM SPACING SHALL BE 50 FEET.

PROVIDE SINGLE OR MULTI-COVER TEMPORARY RAISED PAVEMENT MARKERS AS SHOWN ON PLAN.

MARK T's ON PAVEMENT FOR RE-ESTABLISHING NO PASSING ZONES.

SAME DAY TEMPORARY PAVEMENT MARKING MAY BE USED IN LIEU OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF TEMPORARY SAME DAY PAVEMENT MARKING IS USED, ENSURE PROPOSED PAVEMENT MARKINGS ARE PLACED IN THE EXACT LOCATIONS AS THE EXISTING MARKINGS, USING A MINIMAL AMOUNT OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II OR OTHER METHODS AS APPROVED BY THE ENGINEER.

IF ROADWAY IS DETOURED DURING CONSTRUCTION, THE DO NOT PASS, PASS WITH CARE AND NO CENTERLINE SIGNS MAY BE OMITTED, PROVIDED A LIQUID MARKING IS INSTALLED BEFORE THE ROADWAY IS REOPENED TO TRAFFIC.

(1) FOR DOUBLE SOLID YELLOW, PLACE THE MARKERS BETWEEN THE LINES.

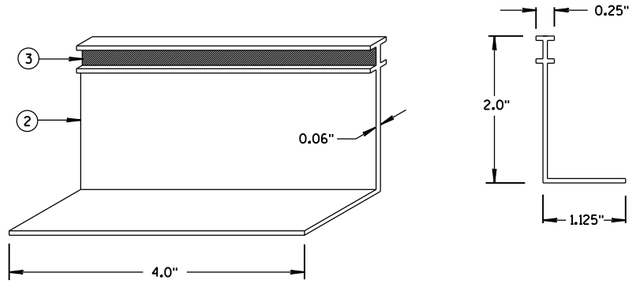
(2) MARKERS SHALL BE OF POLYURETHANE MATERIAL.

(3) MARKERS SHALL HAVE A MINIMUM SIZE REFLECTIVE SURFACE OF 4 INCH WIDTH X 0.25 INCH HEIGHT.

(4) NO CENTER LINE SIGNS SHALL BE PLACED AT THE BEGINNING OF PROJECT, AT TWO-MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS.

(5) DO NOT PASS SIGNS SHALL BE INSTALLED AT THE BEGINNING OF NO PASSING ZONES. ADDITIONAL DO NOT PASS SIGNS SHALL BE INSTALLED AT ONE MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS WITHIN THE NO PASSING ZONE.

(6) PASS WITH CARE SIGNS SHALL BE PLACED AT THE DOWNSTREAM END OF NO PASSING ZONES.



ISOMETRIC VIEW

SIDE VIEW

TEMPORARY RAISED PAVEMENT MARKER, TYPE II

LEGEND

- TEMPORARY RAISED PAVEMENT MARKER, TYPE II
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAVEL

STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKERS, TYPE II

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6-2017 — DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible] ENGINEER
FHWA

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S.D.D. 15 C 34-3

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S.D.D. 15 C 34-3

LEGEND

SIGN ON PERMANENT SUPPORT

DELINEATOR, FLEXIBLE/TUBULAR MARKER

DIRECTION OF TRAFFIC

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.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50 FOOT SPACING.

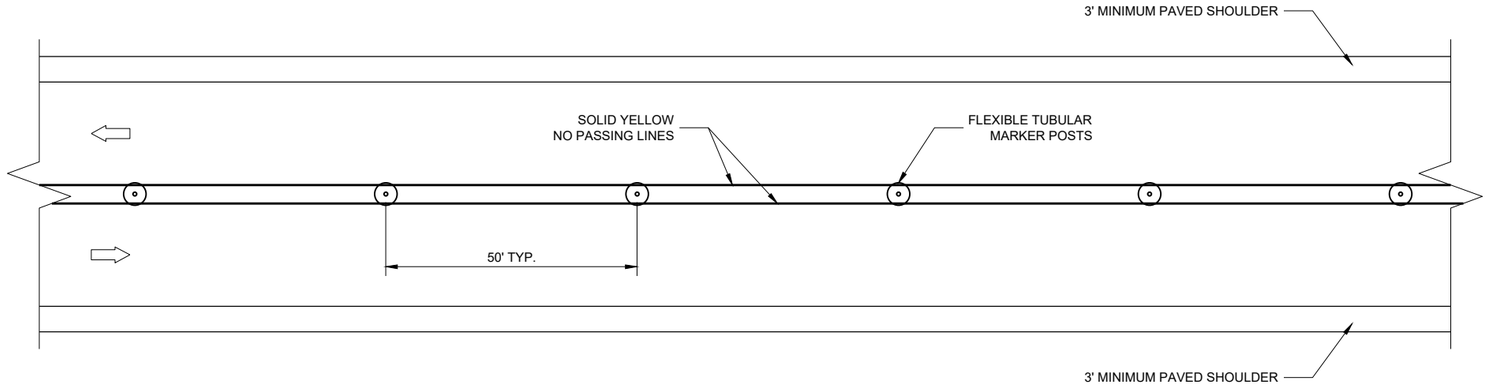
COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4 INCH DOUBLE YELLOW.

(1)

(2)

(1) THE WO6-3 AND WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND / OR 500 FEET BEYOND ANY SIDE ROAD. THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN THE SIGNS.

(2) CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

TRAFFIC CONTROL
TWO LANE TWO WAY
OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

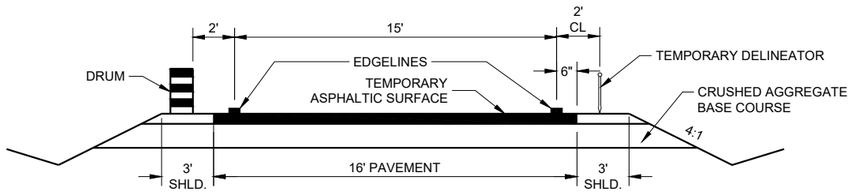
/S/ Andrew Heidtke
STATE TRAFFIC ENGINEER

FHWA

6
SDD 15D06 - 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

** 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.

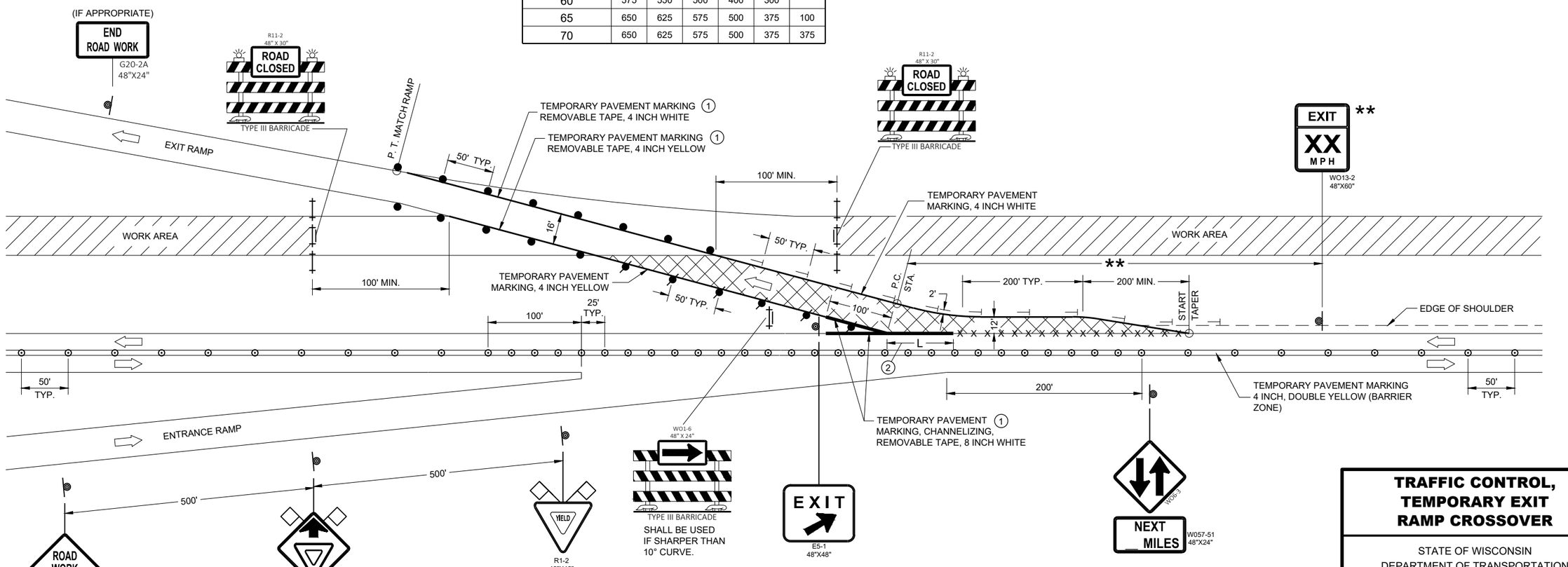
THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

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

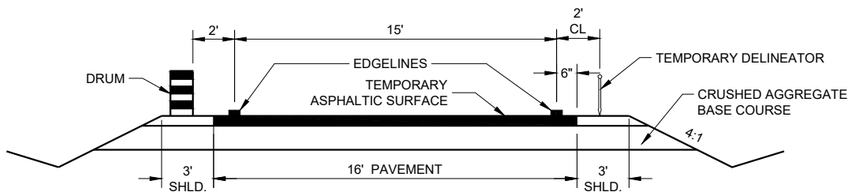
FHWA

SDD 15D07 - 04

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.

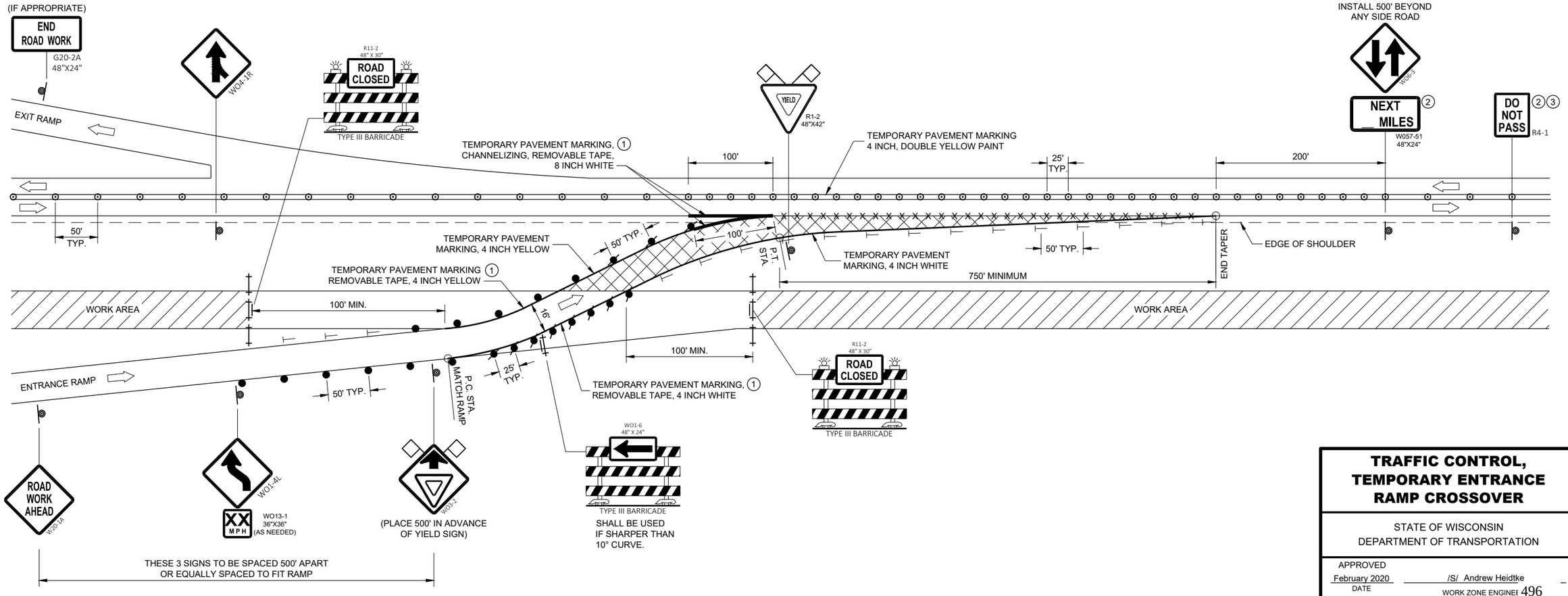
WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10 FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT 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 496

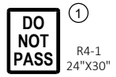
FHWA

SDD 15D08 - 07

SDD 15D08 - 07

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE RESPECTIVE EDGE LINE MARKING
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS



① R4-1 24"X30"

INSTALL 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.

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

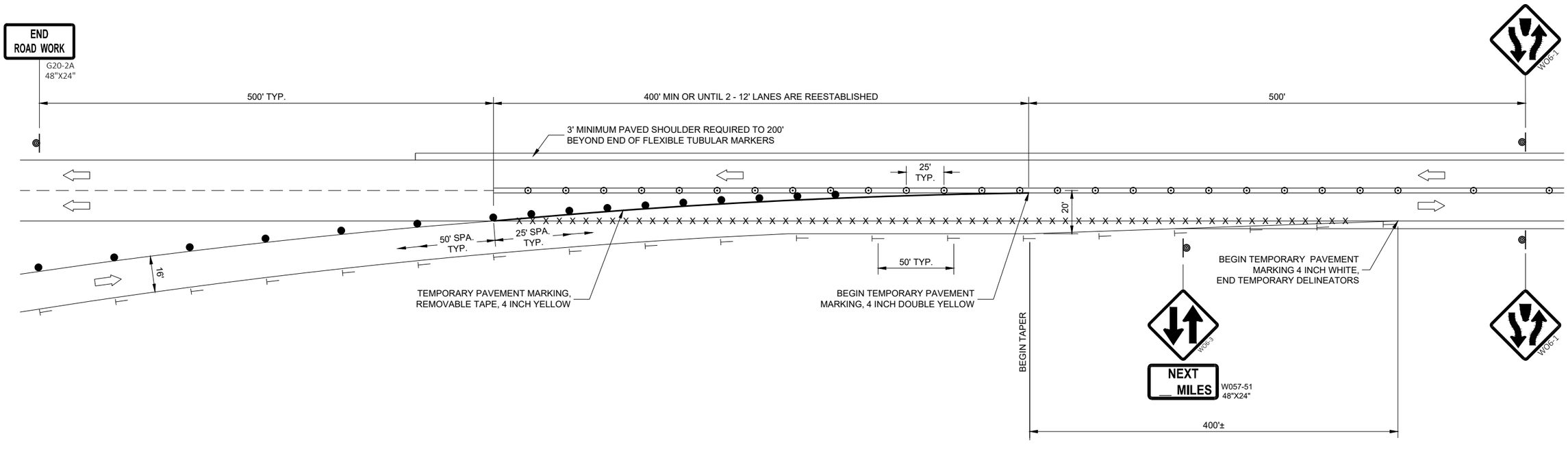
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USED OF CROSSOVER.

① CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



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SDD 15D09 - 05

SDD 15D09 - 05

TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE RESPECTIVE EDGE LINE MARKING
- PORTABLE CRASH CUSHION
- CONCRETE BARRIER TEMPORARY PRECAST
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

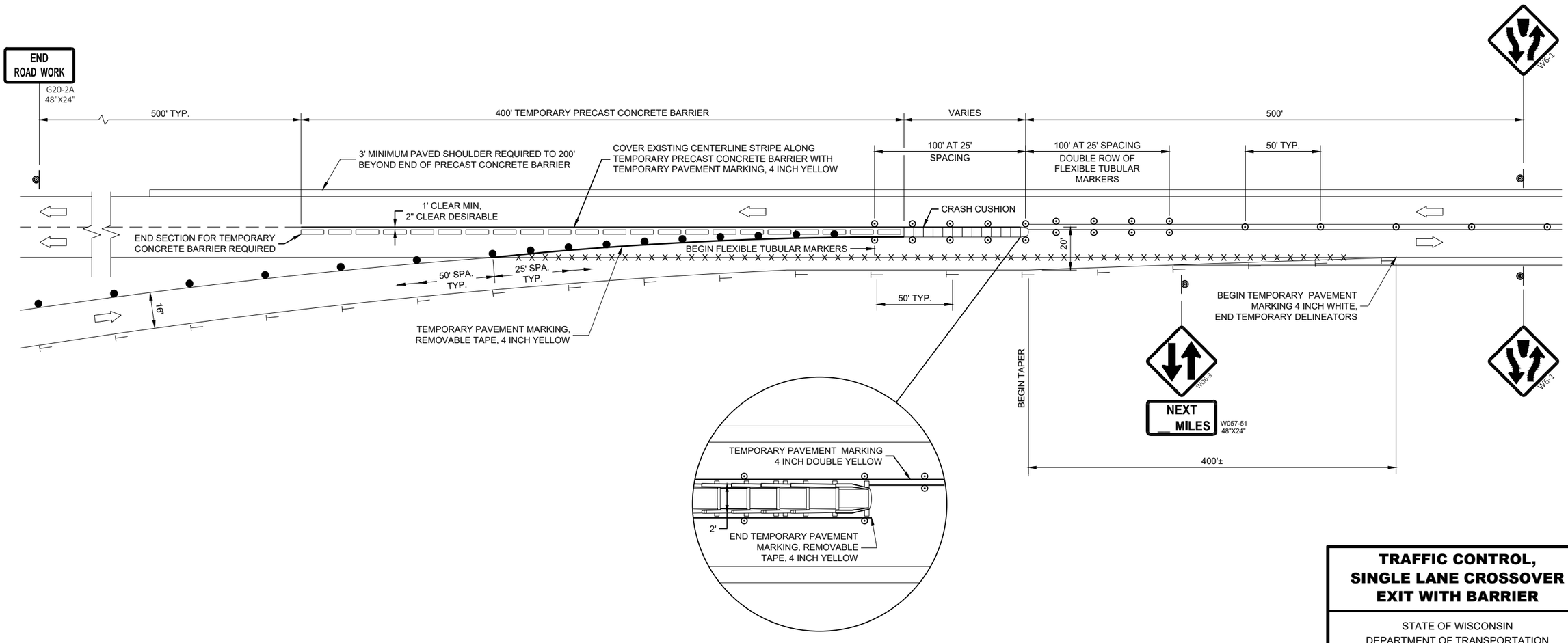
"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USED OF CROSSOVER.



TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2015
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

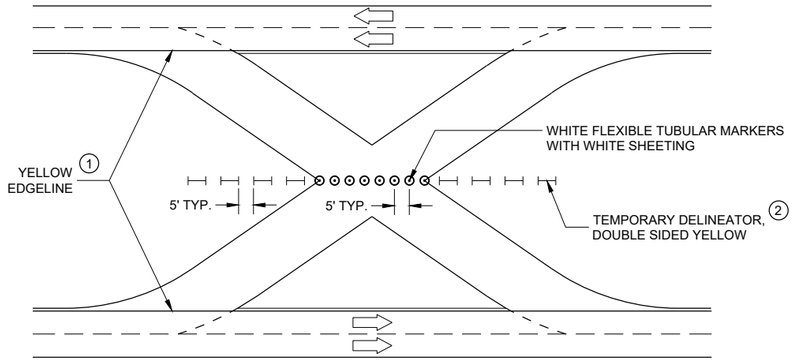
FHWA

6

SDD 15D10 - 04

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- TEMPORARY DELINEATOR (DOUBLE SIDED)
- TYPE "A" WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS
- WORK AREA



TRAFFIC CONTROL FOR CROSSOVER THAT IS NOT IN USE

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.

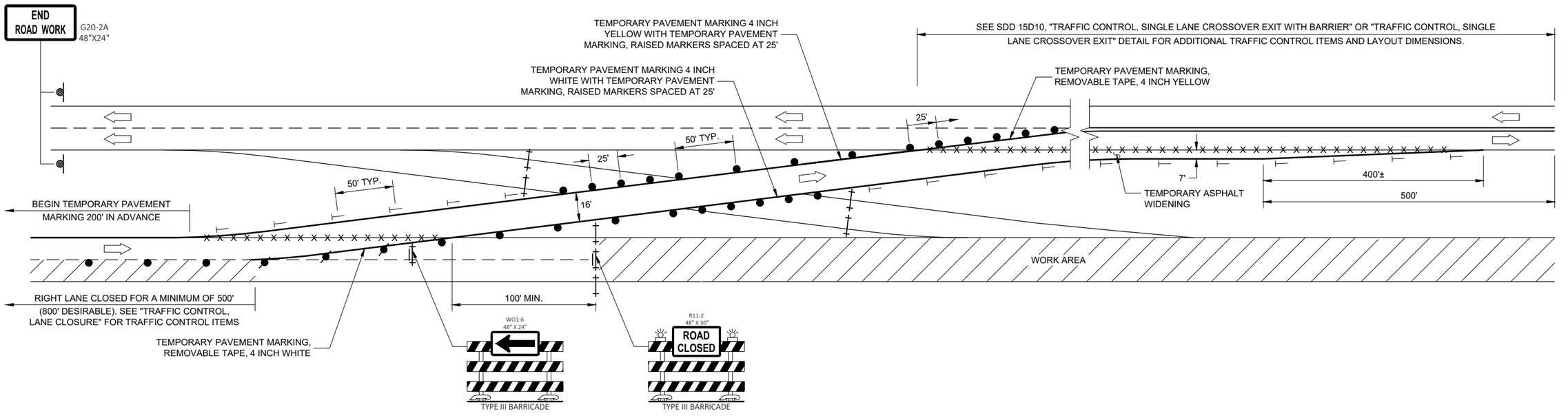
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

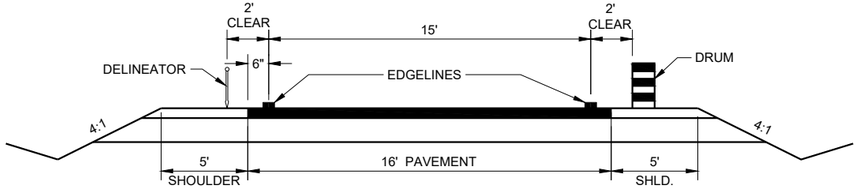
THE SPACING BETWEEN PROPOSED SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USED OF CROSSOVER AND TEMPORARY PAVEMENT MARKING WHERE USED.

REVERSE DEVICES WHEN OTHER LEG OF CROSSOVER IS IN USE.

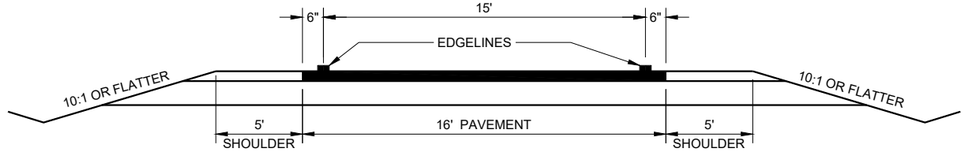
1. FOR PERMANENT CROSSOVER, PAVEMENT MARKING SHOULD CONFORM TO SECTION 646 OF THE STANDARD SPECIFICATIONS.
2. FOR PERMANENT CROSSOVER, INSTALL PERMANENT DELINEATORS ACCORDING TO SECTION 633 OF THE STANDARD SPECIFICATIONS.





TYPICAL TEMPORARY CROSSOVER ROADWAY DIMENSIONS

(SEE PLAN FOR ROADWAY DESIGN ELEMENTS)



TYPICAL CROSSOVER TO REMAIN IN PLACE ROADWAY DIMENSIONS

(SEE PLAN FOR ROADWAY DESIGN ELEMENTS)

TRAFFIC CONTROL, SINGLE LANE CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

SDD 15D11 - 07

SDD 15D11 - 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" 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.

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.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

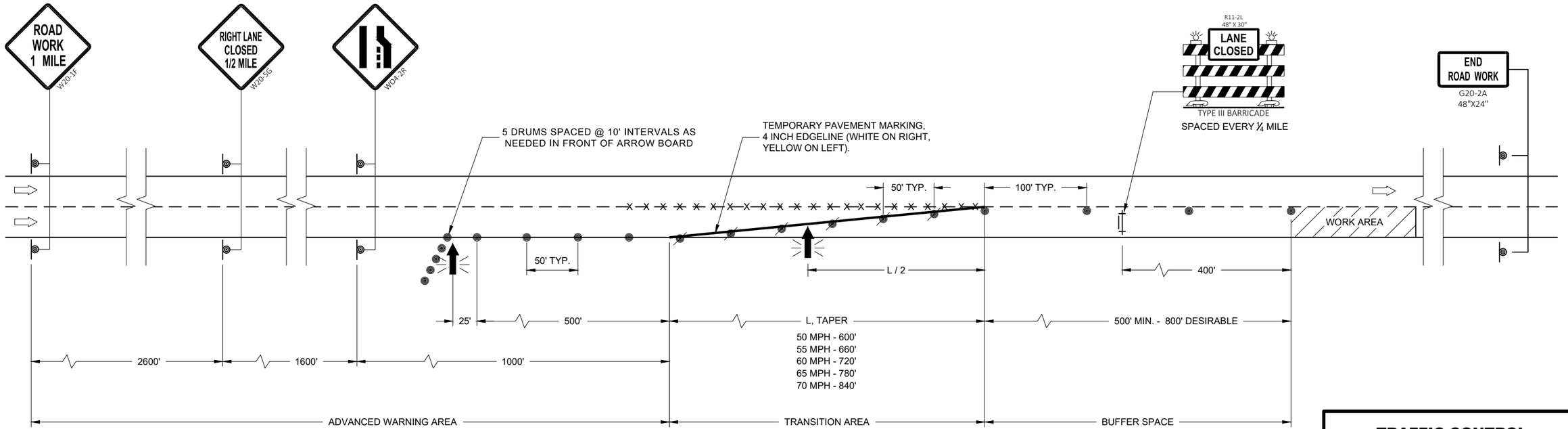
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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.

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



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SDD 15D12 - 09a

TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D12 - 09a

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.

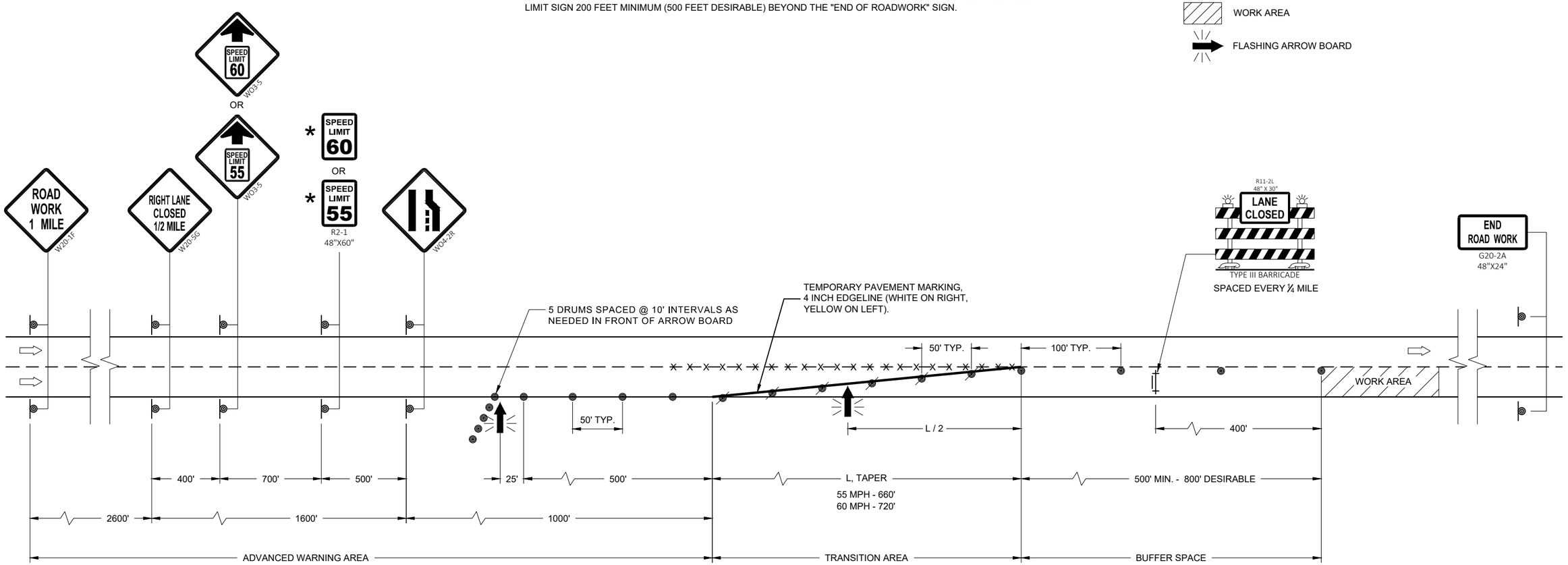
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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

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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.

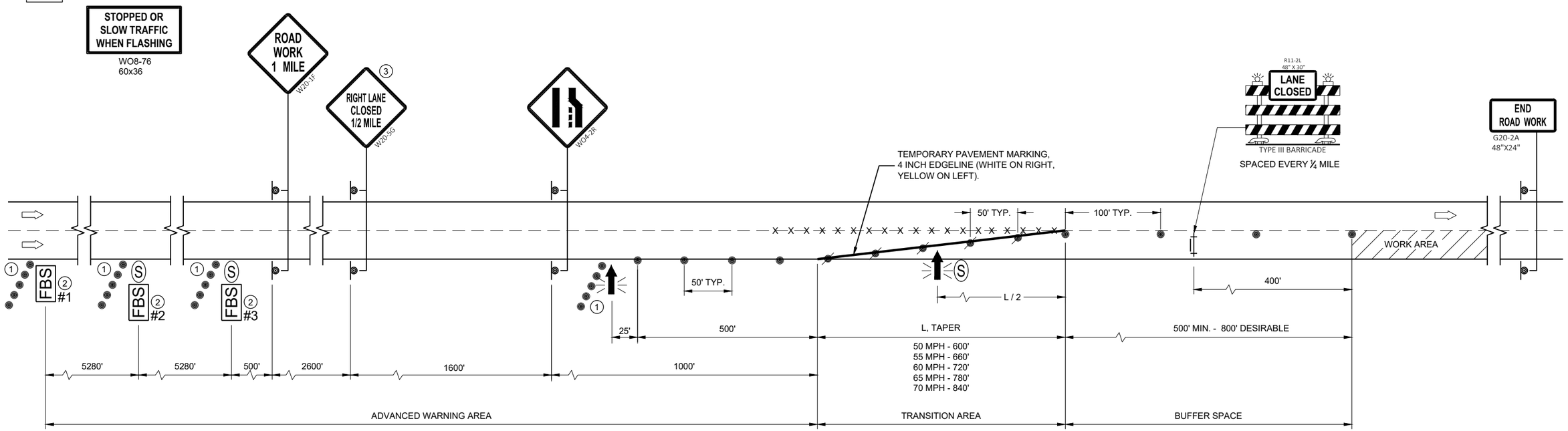
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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

FHWA

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SDD 15D12 - 09d

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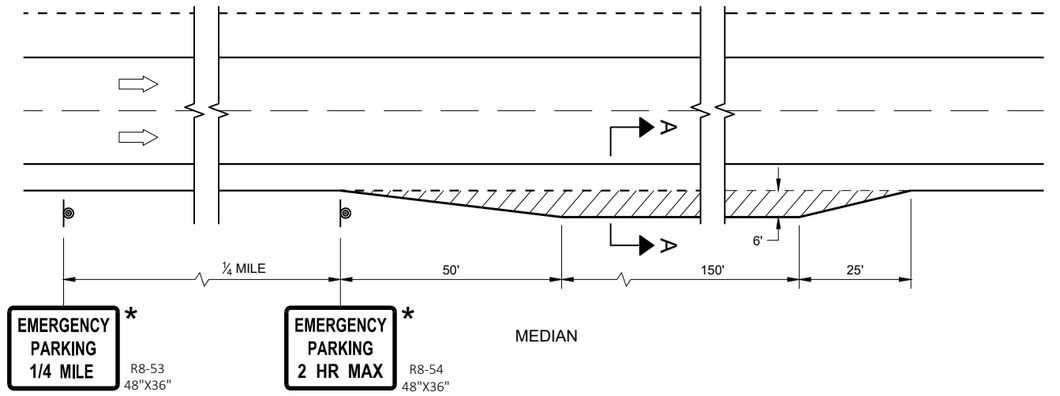
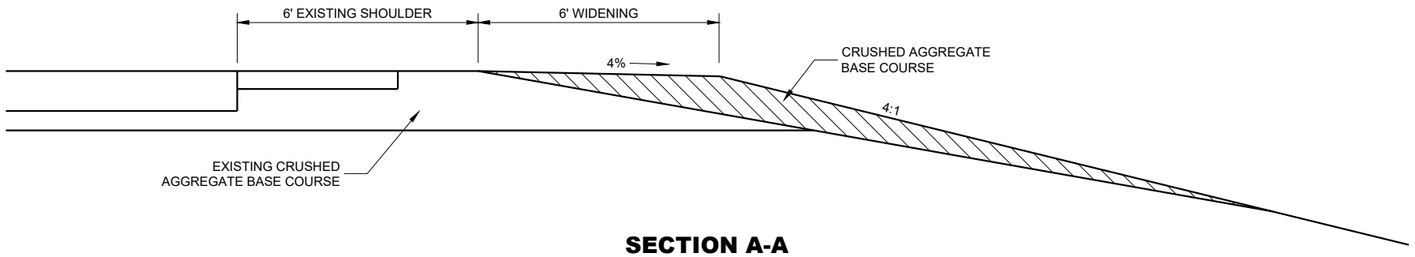
SDD 15D12 - 09d



TEMPORARY EMERGENCY PULLOUTS FOR DIVIDED HIGHWAYS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIAL AND WORKMANSHIP NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

TEMPORARY EMERGENCY PULLOUTS AND SIGNS SHALL BE REMOVED AND THE ROADWAY RESTORED TO ITS ORIGINAL CROSS SECTION AND CONDITION PRIOR TO REOPENING THE ROADWAY TO ONE WAY TRAFFIC.

* SIGNS TO BE BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

TEMPORARY EMERGENCY PULLOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2013
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER O

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SDD 15D13 - 02

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

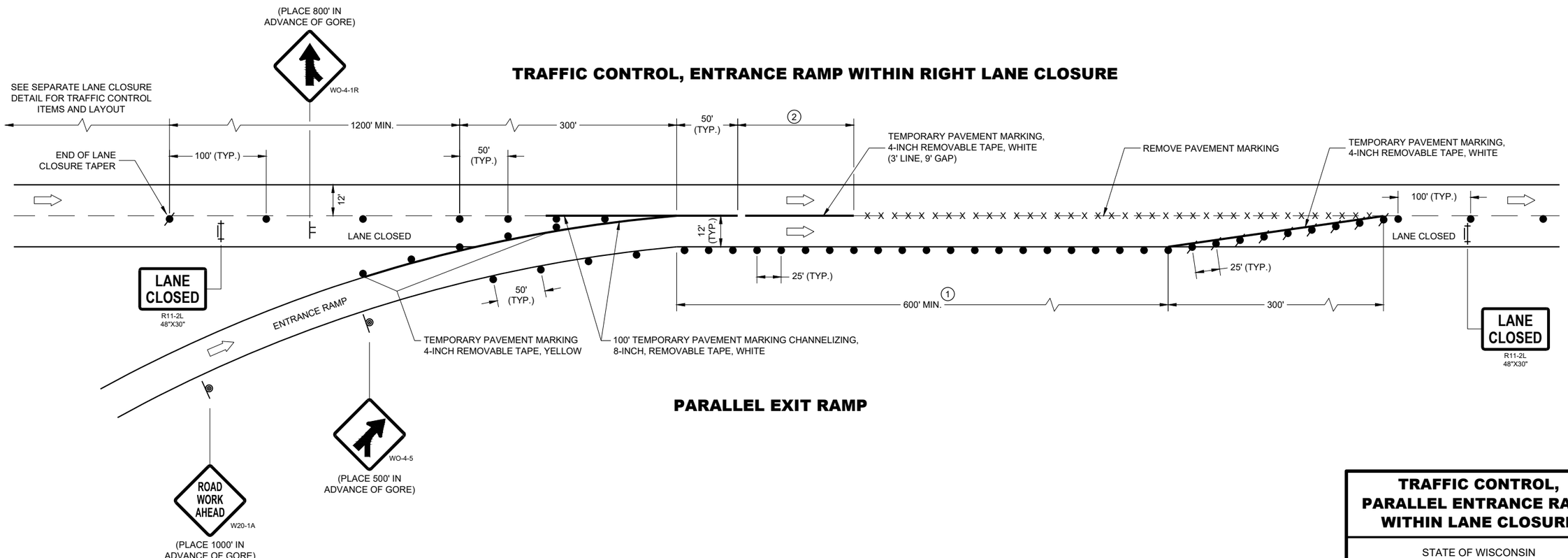
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) EXTEND THE LENGTH OF THE MERGE ARE IF THE ENTERING (DESIGN) SPEED IS LESS THAN 50MPH OR IF THE MAINLINE GRADE EXCEEDS ±2.2%.

(2) END TEMPORARY MARKING AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN RIGHT LANE CLOSURE



PARALLEL EXIT RAMP

TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 504

FHWA

6

SDD 15D15 - 05a

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SDD 15D15 - 05a

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS /OR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

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.

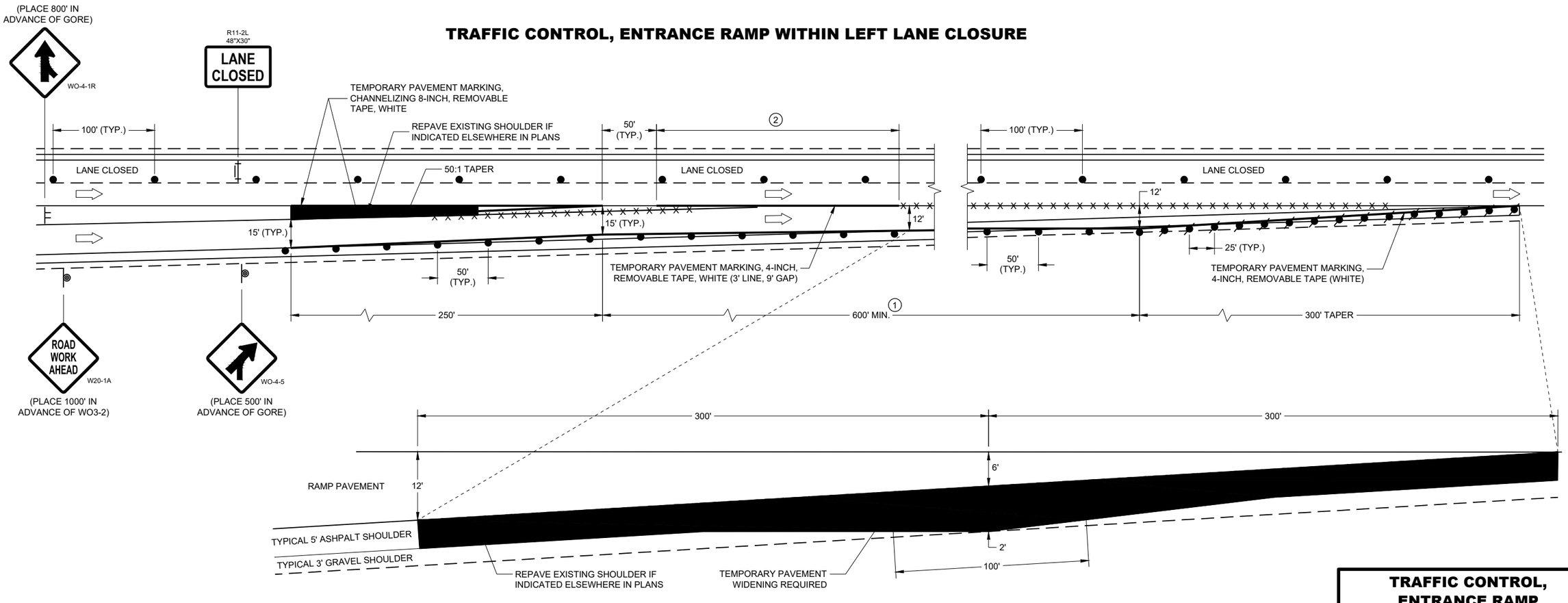
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) EXTEND THE LENGTH OF THE MERGE AREA IF THE ENTERING (DESIGN) SPEED OF THE RAMP IS LESS THAN 50 MPH OR IF THE MAINLINE GRADE EXCEEDS ±2.2%.

(2) END TEMPORARY MARKING AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LEFT LANE CLOSURE



TEMPORARY PAVEMENT DETAIL

(EXISTING RAMP DIMENSIONS MAY VARY, ADJUST TEMPORARY PAVEMENT ACCORDINGLY)

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 505

FHWA

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SDD 15D15 - 05b

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SDD15D15 - 05b

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

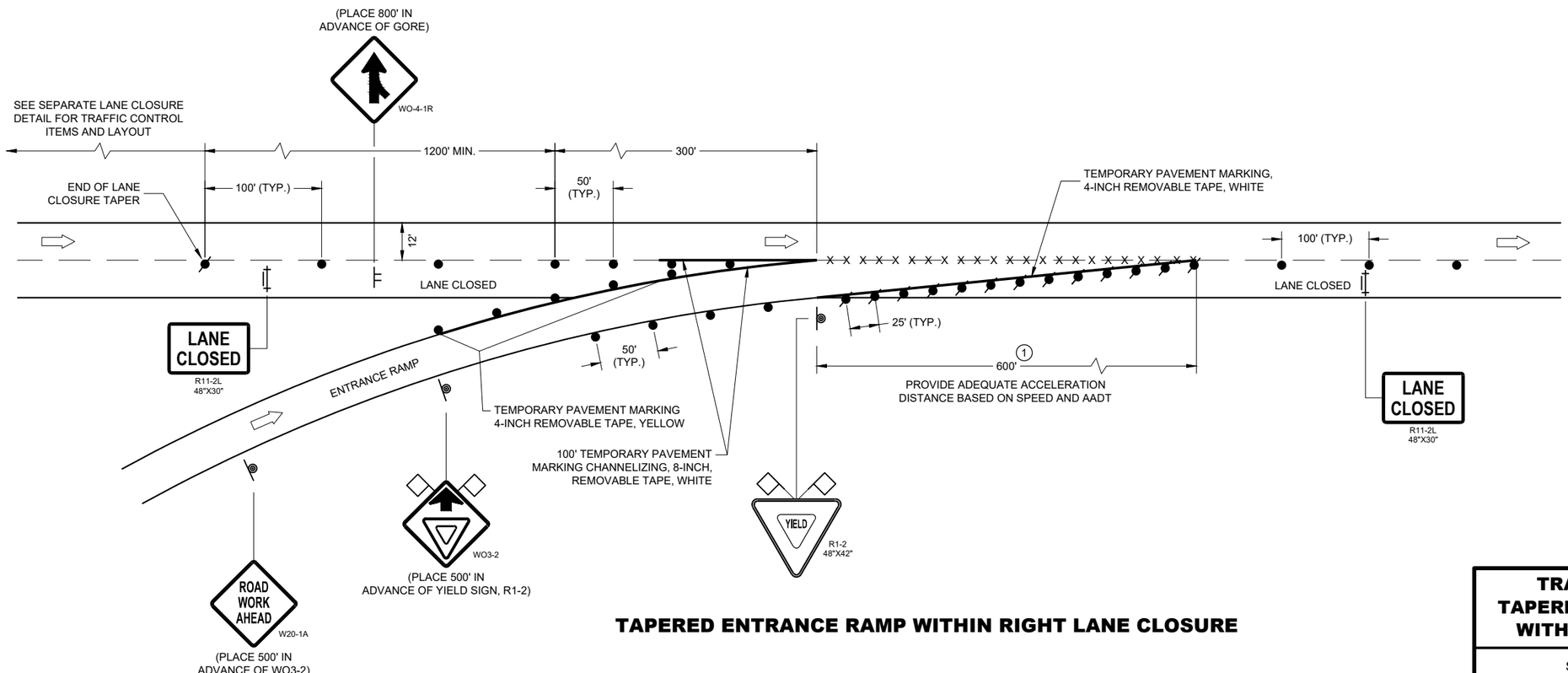
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) CONSULT WITH REGIONAL WORK ZONE ENGINEER IF NEED TO REDUCE LENGTH EXISTS.



TAPERED ENTRANCE RAMP WITHIN RIGHT LANE CLOSURE

TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D15 - 05c

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

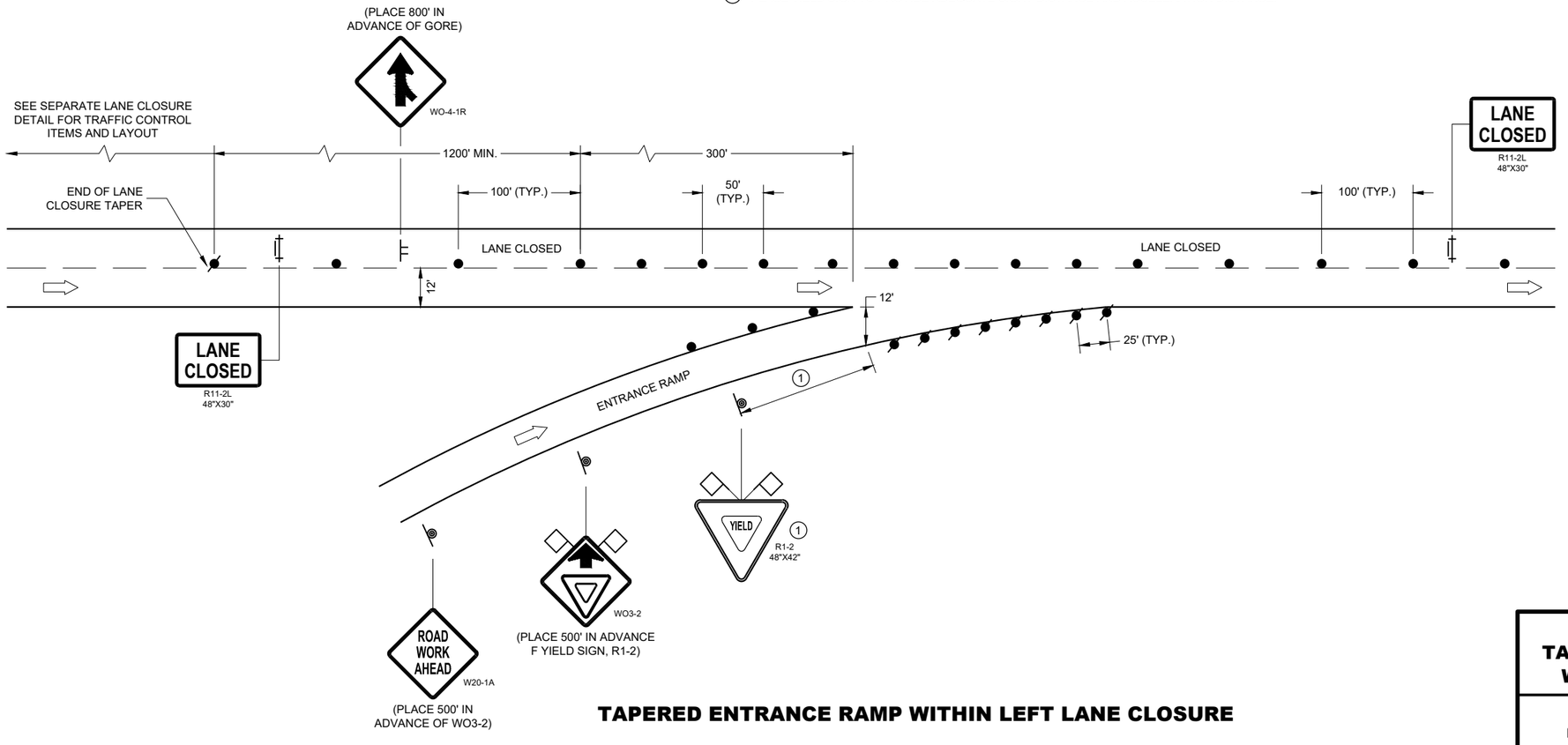
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) PLACE YIELD SIGN TO PROVIDE ADEQUATE SIGHT DISTANCE AND ACCELERATION DISTANCE.



TAPERED ENTRANCE RAMP WITHIN LEFT LANE CLOSURE

TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D15 - 05d

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SDD 15D15 - 05d

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

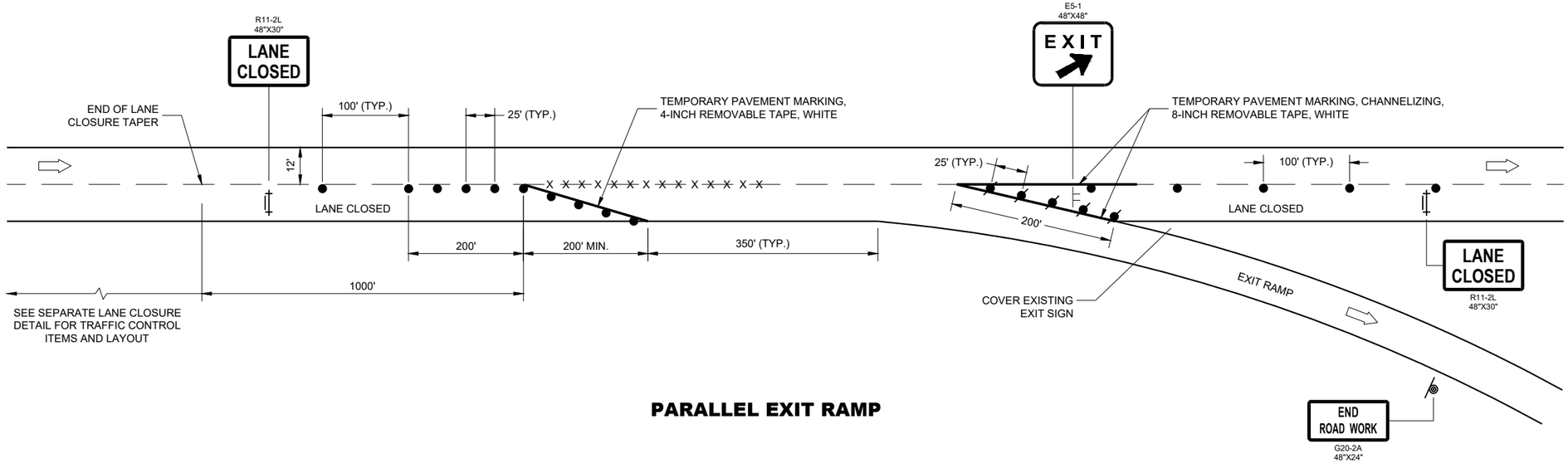
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

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.

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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.



PARALLEL EXIT RAMP

TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D15 - 05e

6

SDD15D15 - 05e

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.

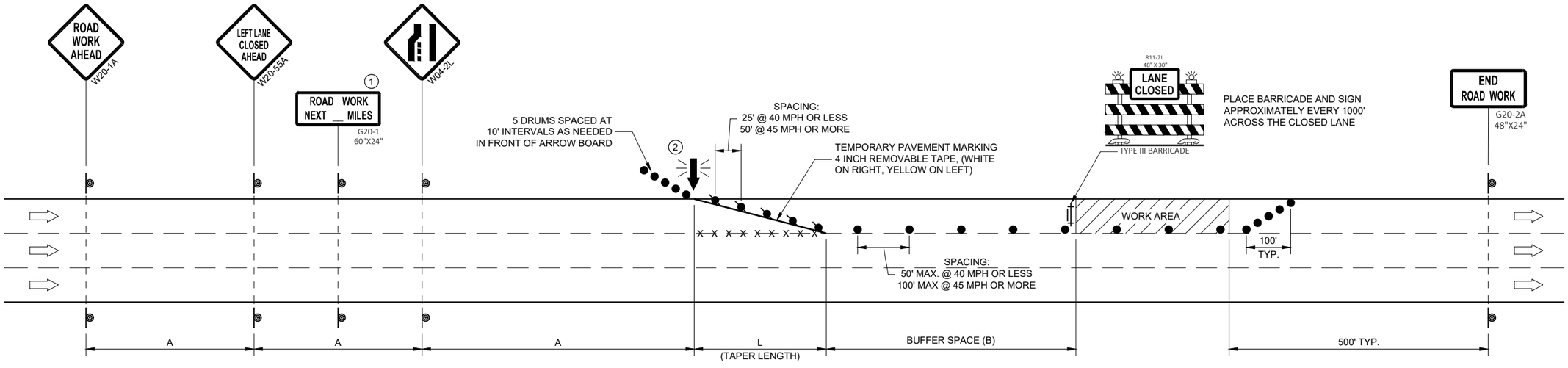
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

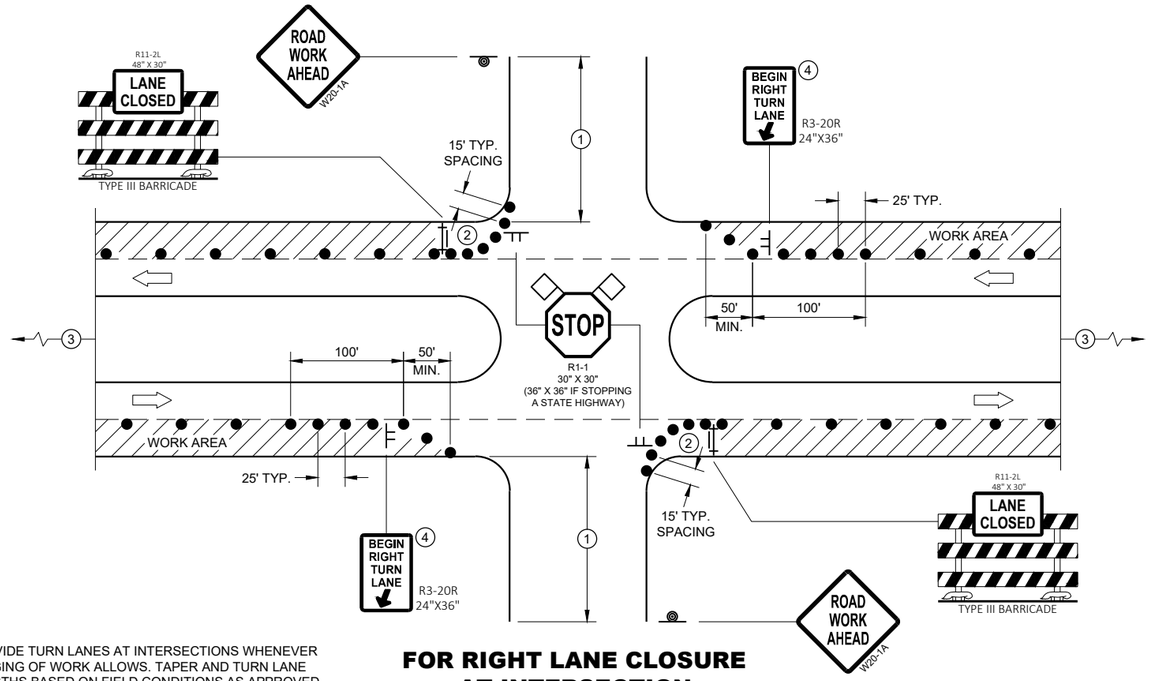
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

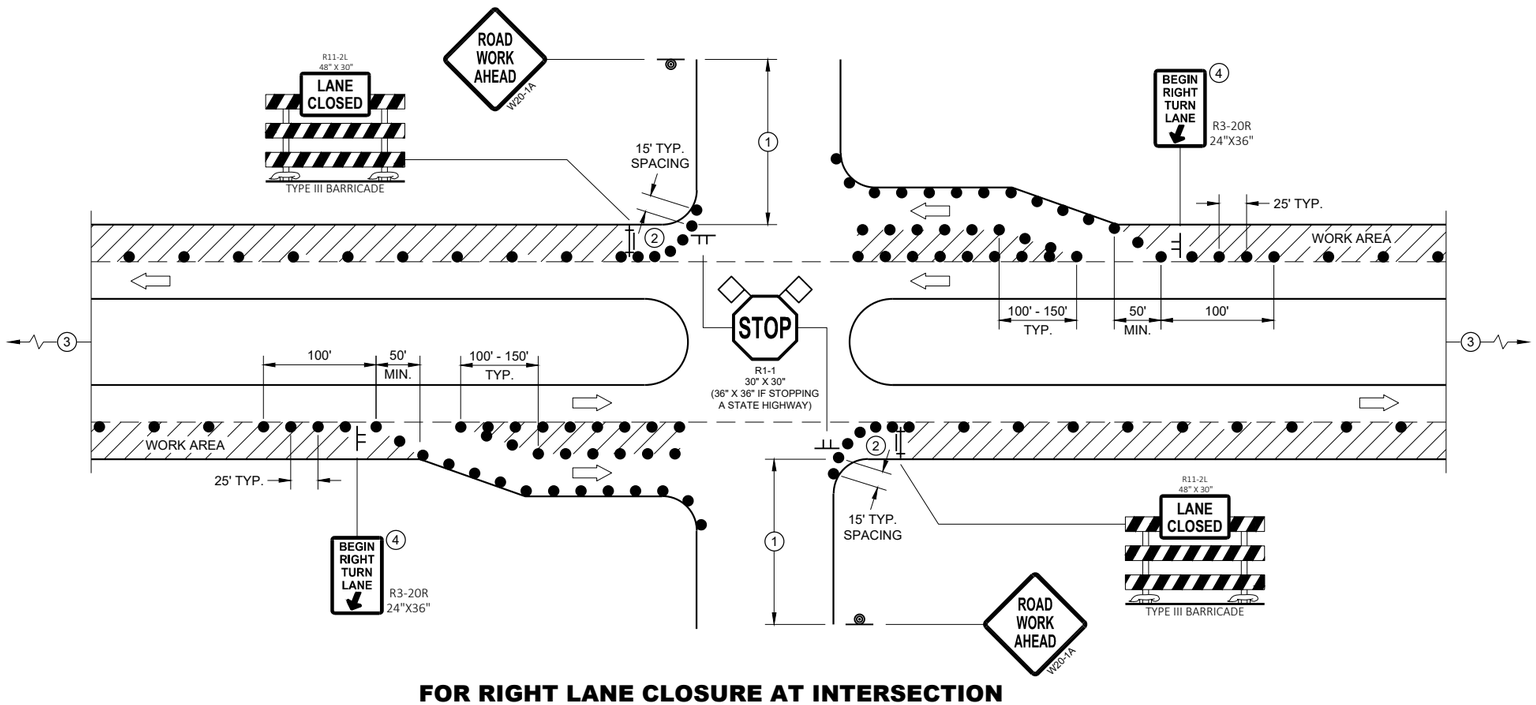
6

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

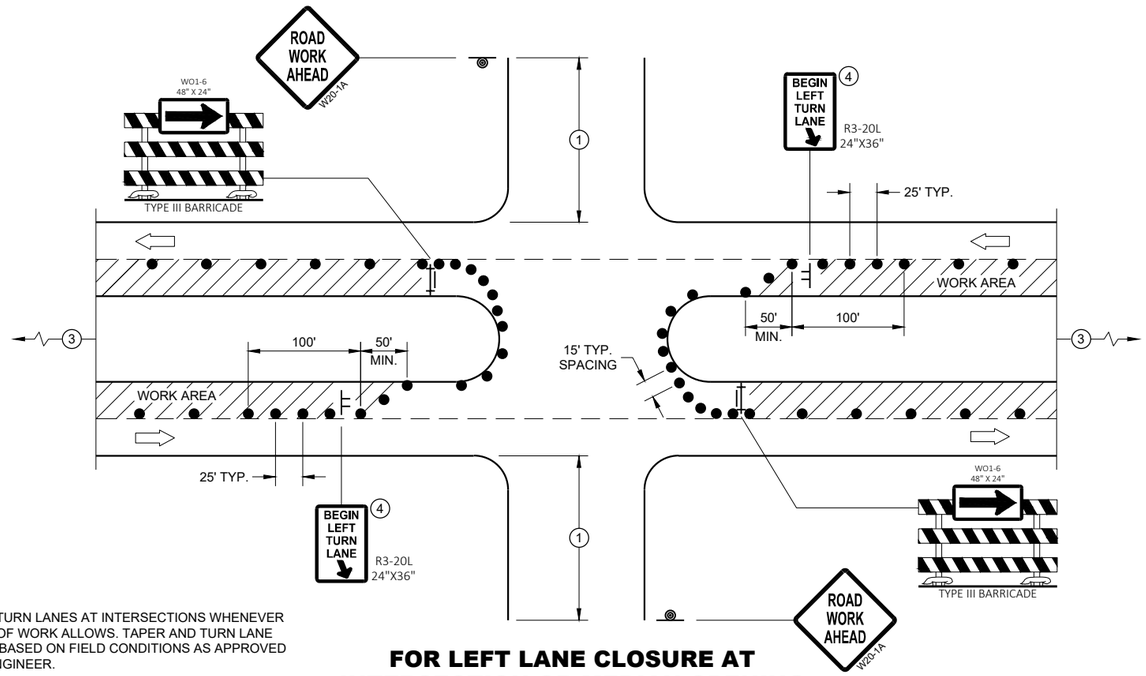
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a



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.

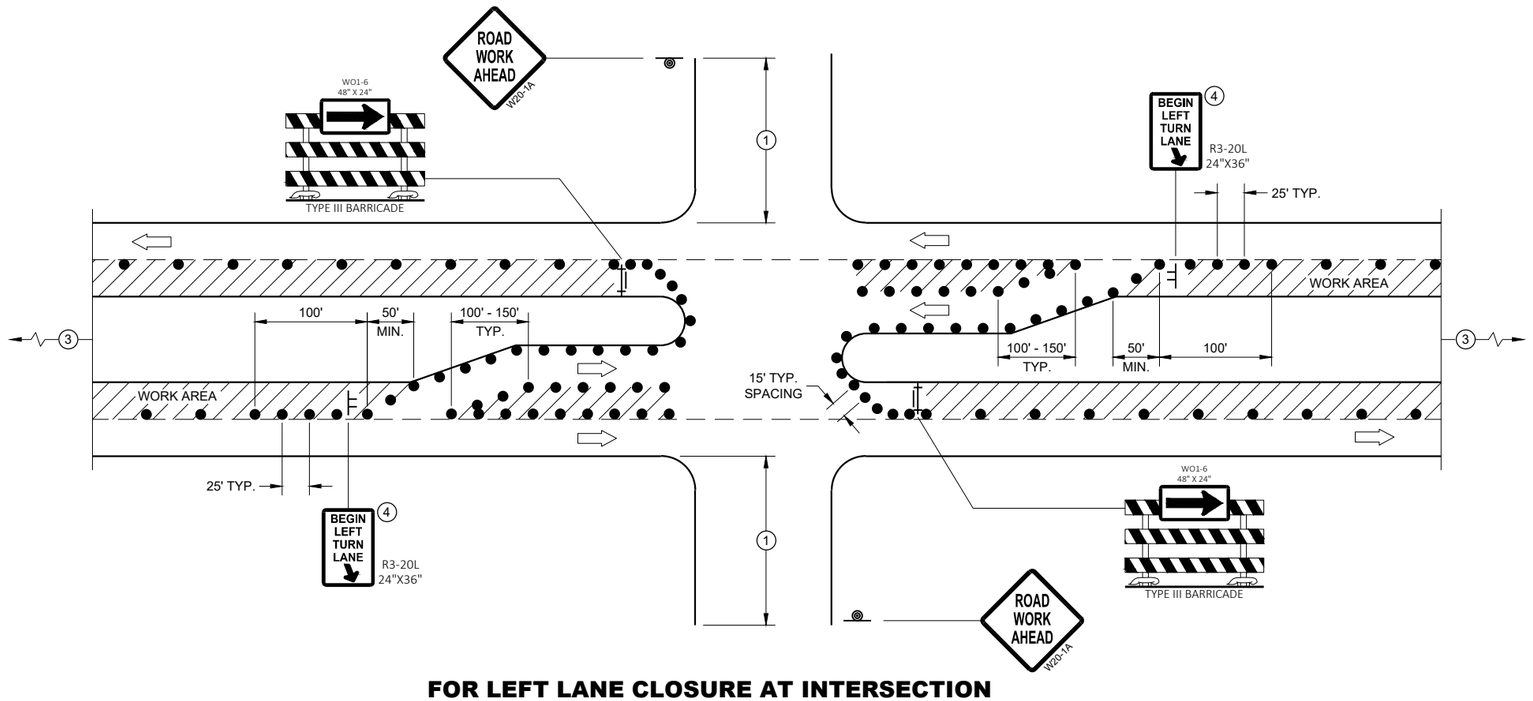
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(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 ENGINEER

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.

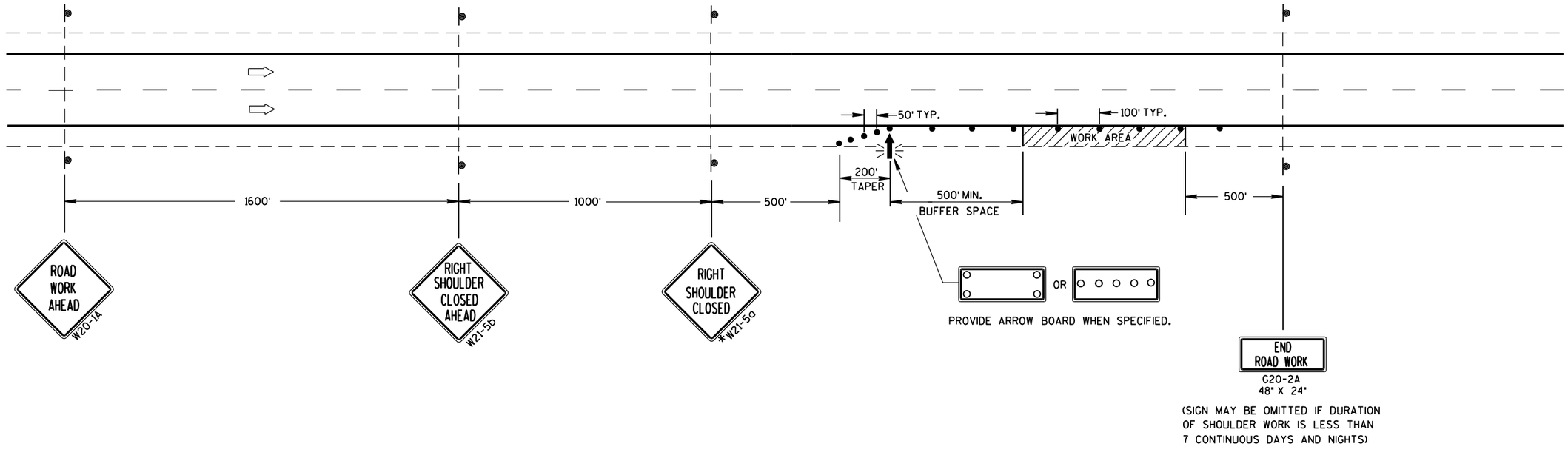
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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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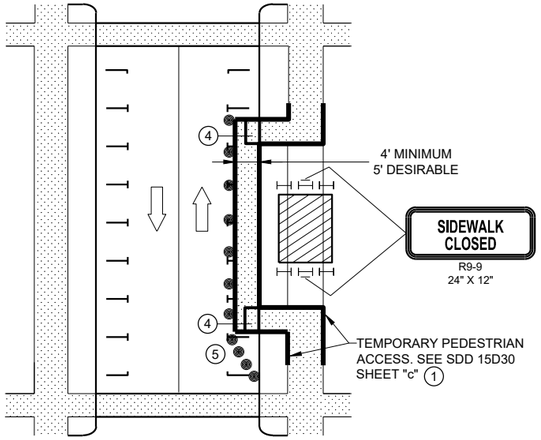
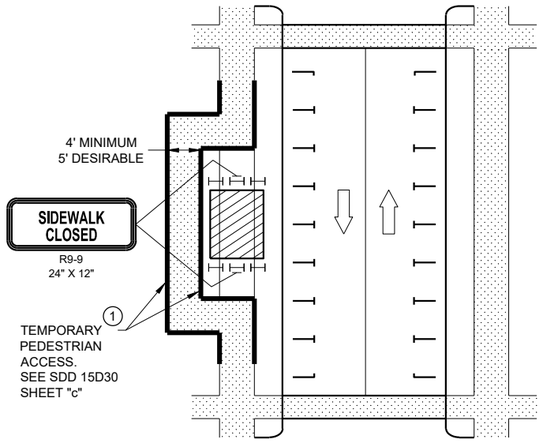
S.D.D. 15 D 27-3

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

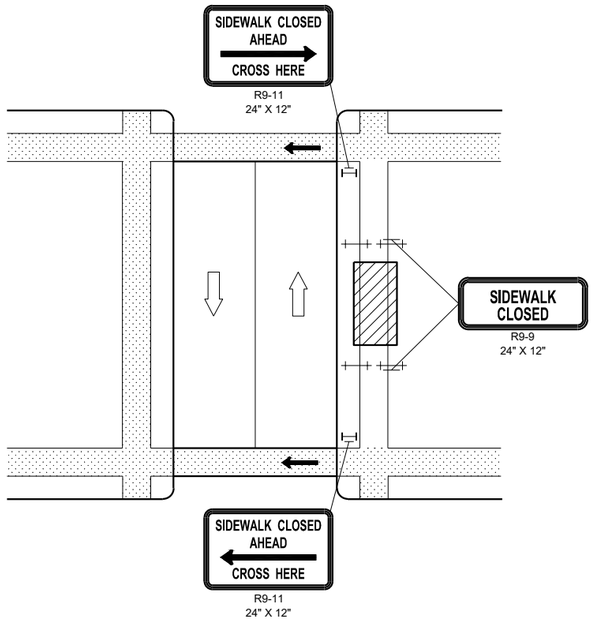


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

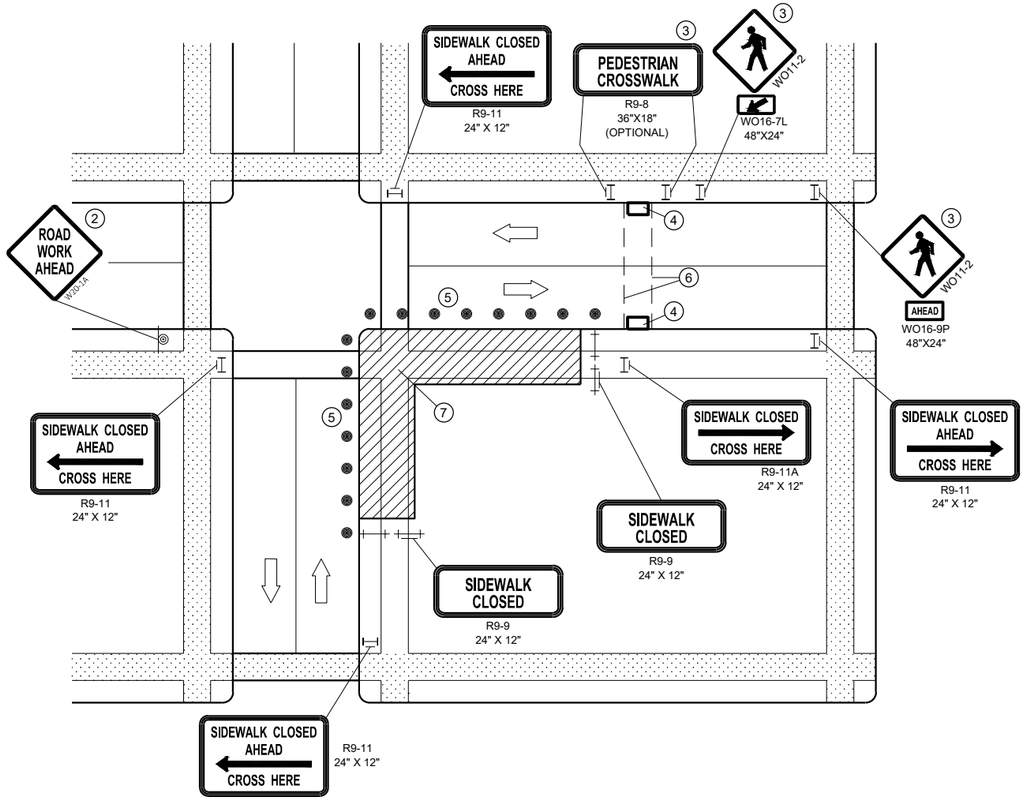
NOTE: LAYOUT SAME AS ABOVE.



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

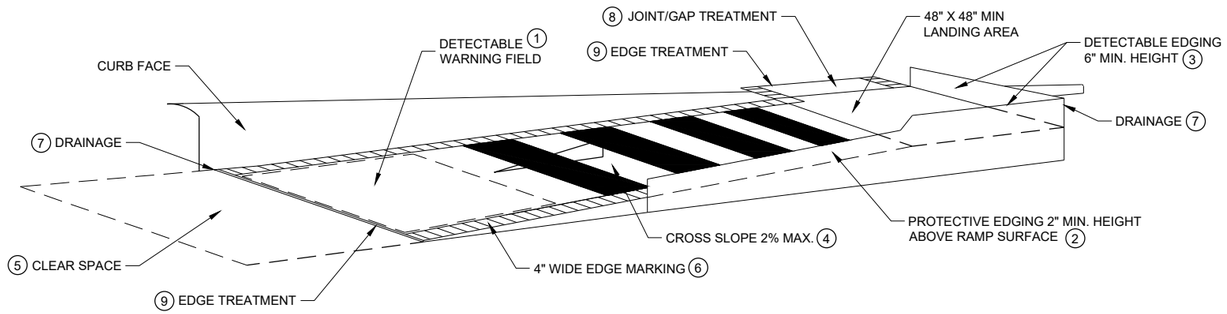
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

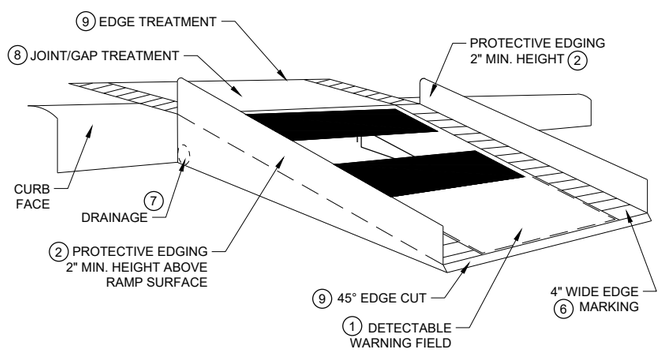
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

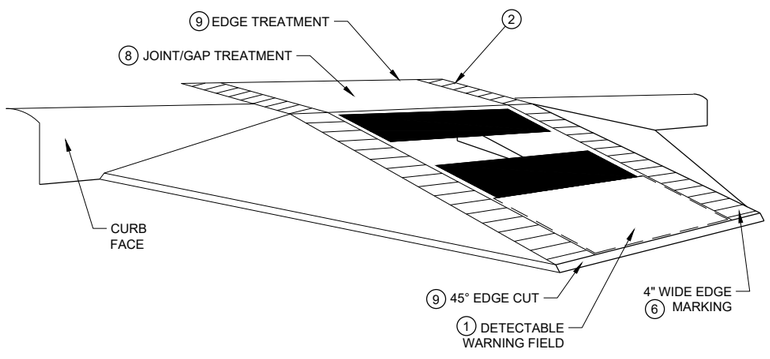
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

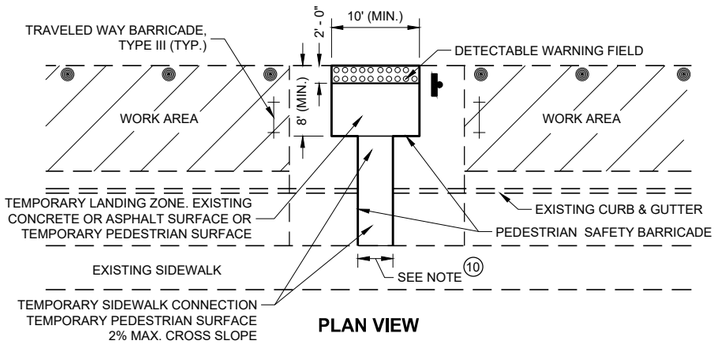
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

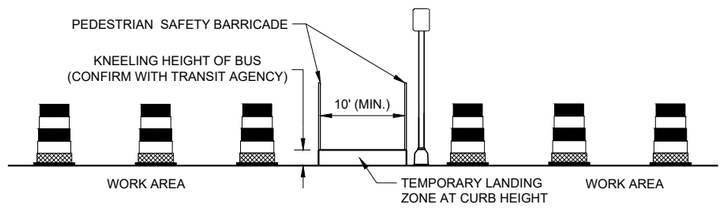
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

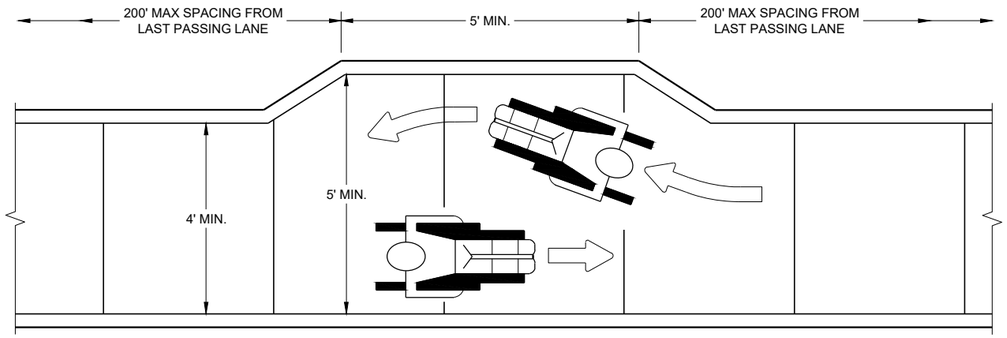
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

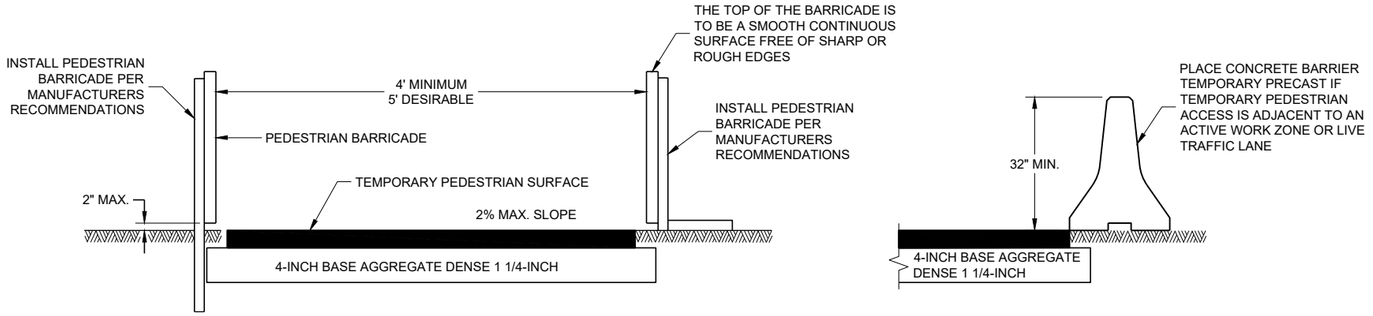
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

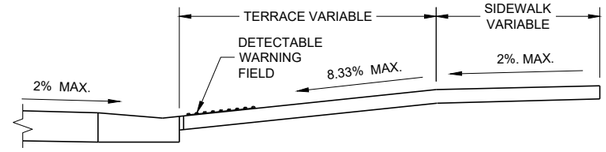
SDD 15D30 - 06b



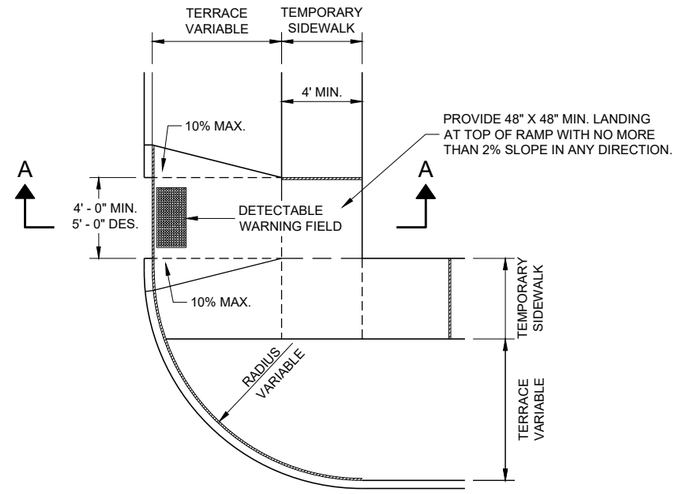
NARROW SIDEWALK PASSING DETAIL



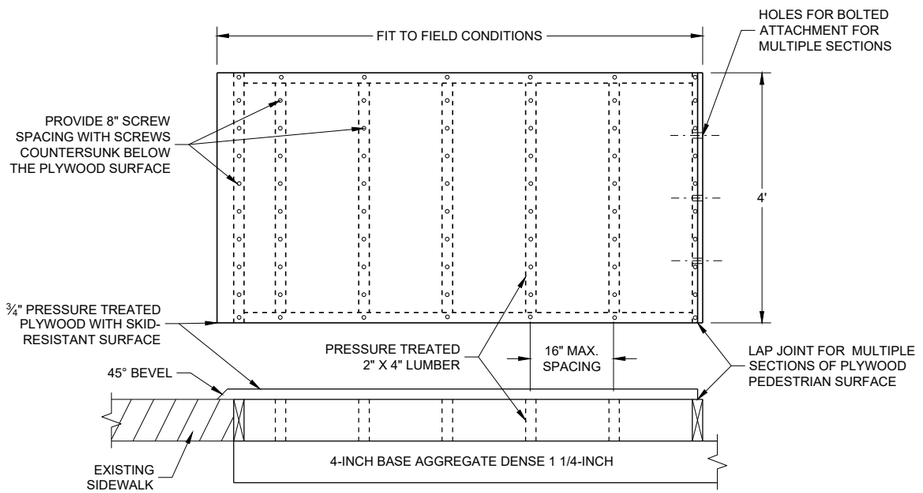
TEMPORARY PEDESTRIAN ACCESS



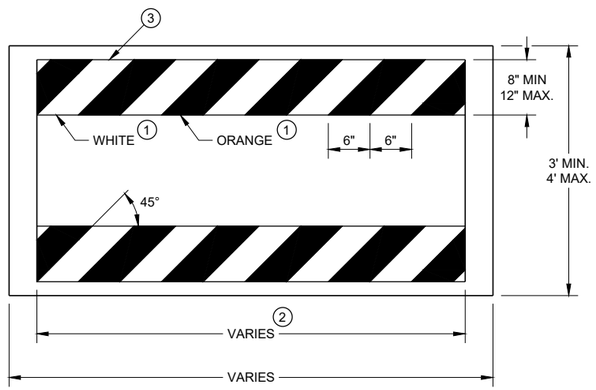
SECTION A - A



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 515

FHWA

SDD 15D30 - 06c

6

SDD 15D30 - 06c

S	BUFFER SPACE (DESIRABLE)
25	55'
30	85'
35	120'
40	170'
45	220'
50	280'
55	335'

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

END ROAD WORK
G20-2A
48"x24"

NO PASSING ZONE
W14-3
48"x36"

BEGIN TEMPORARY PAVEMENT MARKING, 4-INCH SOLID YELLOW CENTERLINE ✳✳

1000'
500'
400'
500'
200'
50'
50'
25' TYP.

W01-6
48"x24"
✳✳✳

R11-2
48"x30"
ROAD CLOSED
TYPE III BARRICADE

FOR BRIDGE OR CULVERT REPLACEMENTS SUBSTITUTE
BRIDGE OUT
R11-2B
48"x30"

ROAD CLOSURE OR BRIDGE/CULVERT REPLACEMENT

BUFFER SPACE (SEE TABLE)

WORK AREA

BUFFER SPACE (SEE TABLE)

TEMPORARY STEEL PLATE BEAM GUARD AND END TREATMENT WHEN INCLUDED IN THE CONTRACT. FOR LAYOUT, SEE DETAILS ELSEWHERE IN THE PLAN.

W05-52L
12"x36"

W05-52R
12"x36"

OR

W01-3L
W01-4L
W01-3R
W01-4R
W013-1
XX M.P.H.
24"x24"

ROAD WORK 1000 FT
W20-1C

ROAD WORK AHEAD
W20-1A

END TEMPORARY PAVEMENT MARKING, 4-INCH SOLID YELLOW CENTERLINE ✳✳

BEGIN TEMPORARY PAVEMENT MARKING, 4-INCH WHITE EDGELINE

END TEMPORARY PAVEMENT MARKING, 4-INCH WHITE EDGELINE

TEMPORARY PAVEMENT MARKING, 4-INCH WHITE EDGELINES. (USE REMOVABLE TAPE WHERE TEMPORARY MARKING CROSSES PERMANENT PAVEMENT)

TEMPORARY PAVEMENT MARKING, 4-INCH DOUBLE YELLOW CENTERLINE AND 2-WAY YELLOW RAISED PAVEMENT MARKERS AT 25' SPACING. USE REMOVABLE TAPE WHERE TEMPORARY MARKING CROSSES PERMANENT PAVEMENT.

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"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

EQUIPMENT, VEHICLES, OR MATERIAL SHOULD NOT BE STORED IN BUFFER SPACE.

✳ IF ADVISORY SPEED IS GREATER THAN 30 MPH, USE THE W01-4 SIGN. IF ADVISORY SPEED IS 30 MPH OR LESS, USE THE W01-3 SIGN.

✳✳ WHEN THE DISTANCE TO/FROM THE NEXT CLOSEST NO-PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES AS INDICATED IN THE SPECIFICATIONS, THE TWO ZONES SHALL BE CONNECTED.

✳✳✳ OMIT THESE W01-6 SIGNS IF THE ADVISORY SPEED OF THE CURVE IS GREATER THAN 30 MPH.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY-BURN LIGHT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- Ⓐ TYPE "A" WARNING LIGHT (FLASHING)
- TEMPORARY DELINEATOR, (WHITE) (SINGLE DELINEATOR)
- TEMPORARY RAISED PAVEMENT MARKERS (TWO-WAY YELLOW)
- XXX REMOVE PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- TEMPORARY STEEL PLATE BEAM GUARD AND END TREATMENT
- WORK AREA

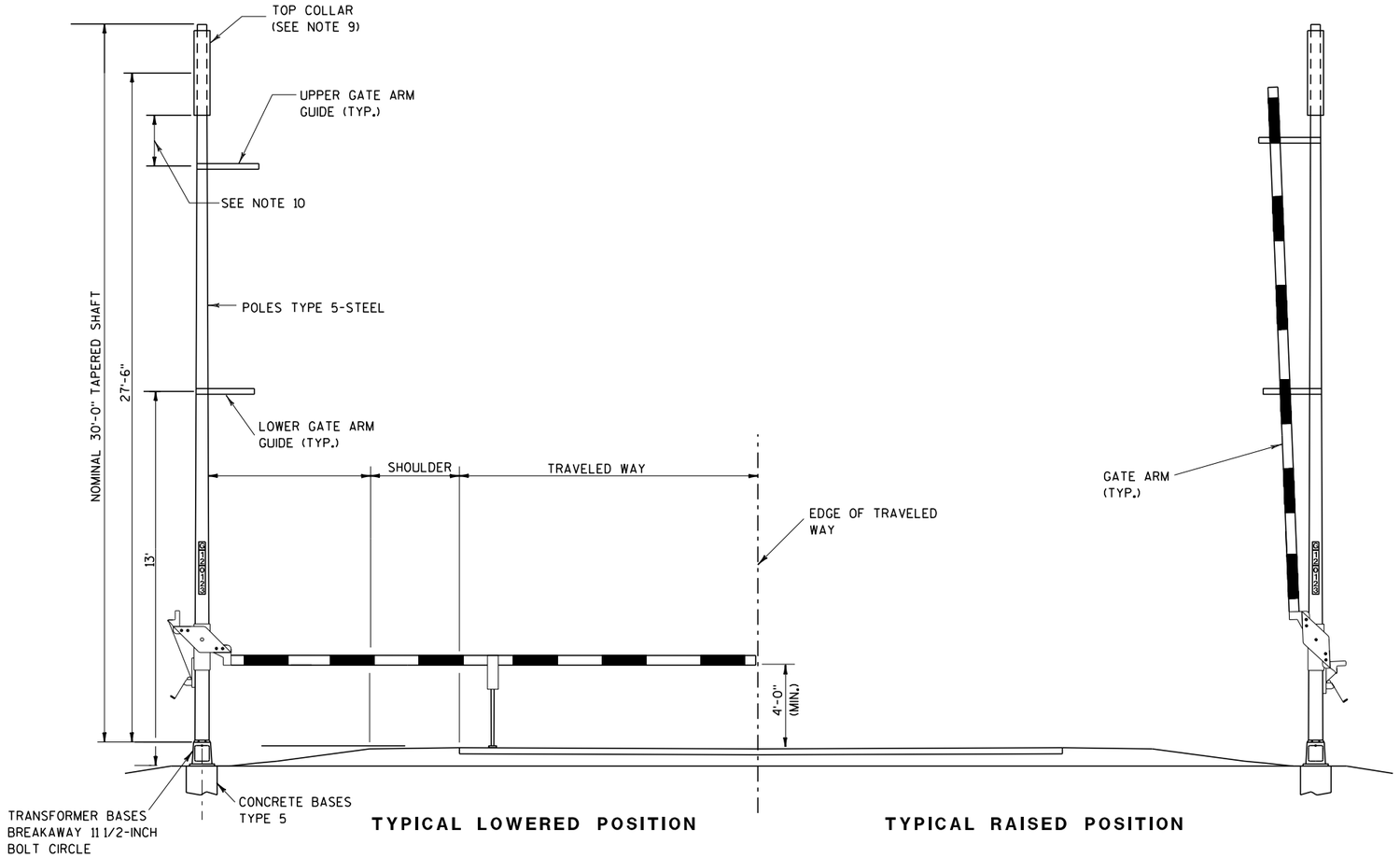
TRAFFIC CONTROL, TEMPORARY BYPASS ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA — FIC

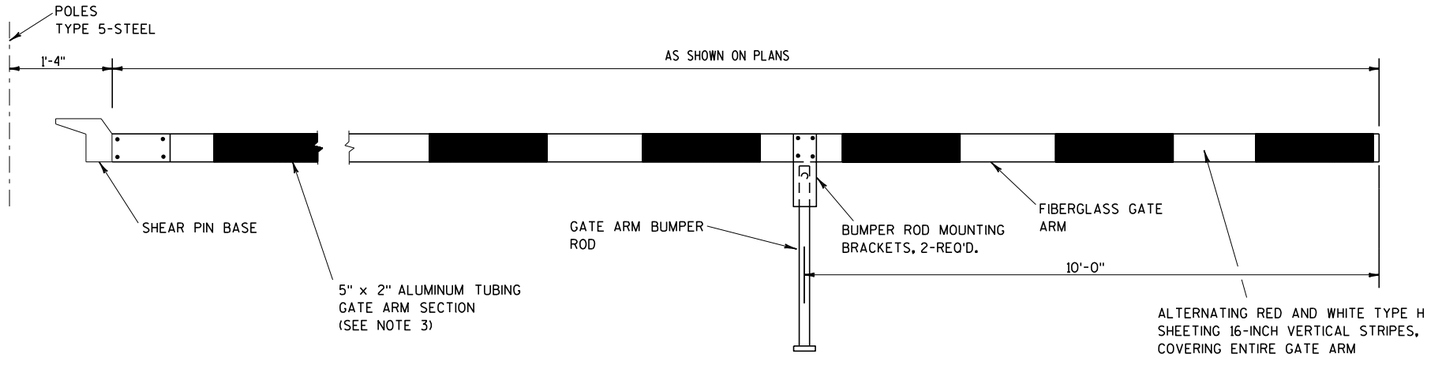
6

S.D.D. 15 D 31-3

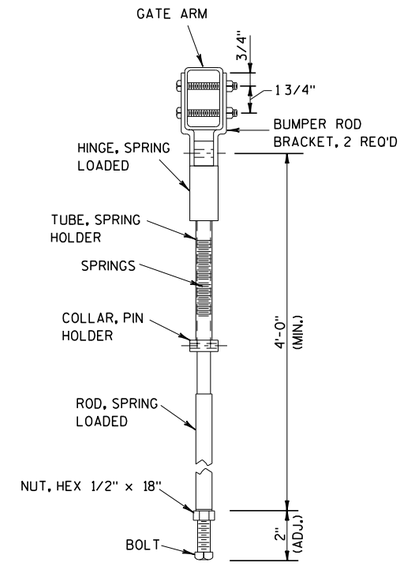


TYPICAL LOWERED POSITION

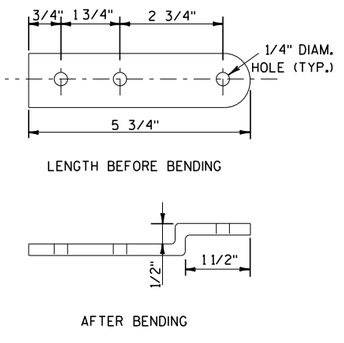
TYPICAL RAISED POSITION



GATE DETAIL



GATE ARM BUMPER ROD DETAIL



BUMPER ROD MOUNTING
BRACKET DETAIL

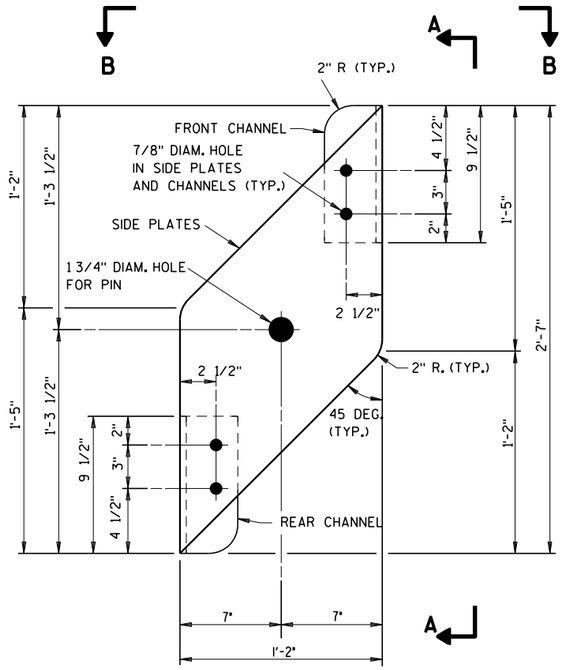
GENERAL NOTES

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.

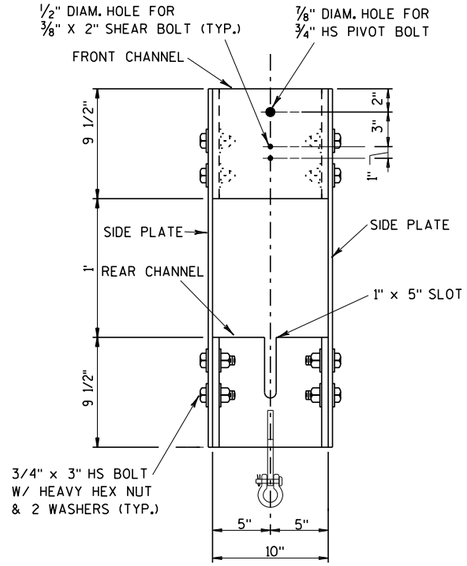
RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

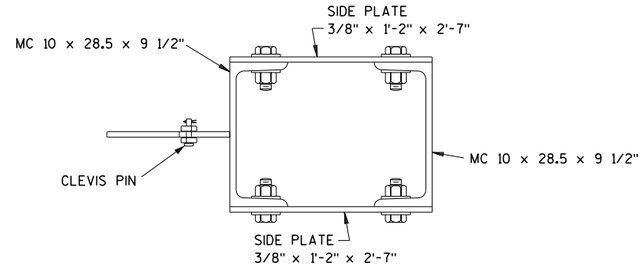
6
S.D.D. 15 D 35-3a



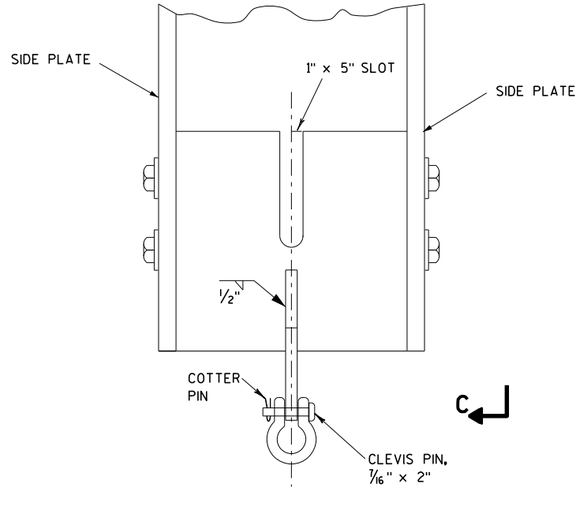
SIDE PLATE DETAIL



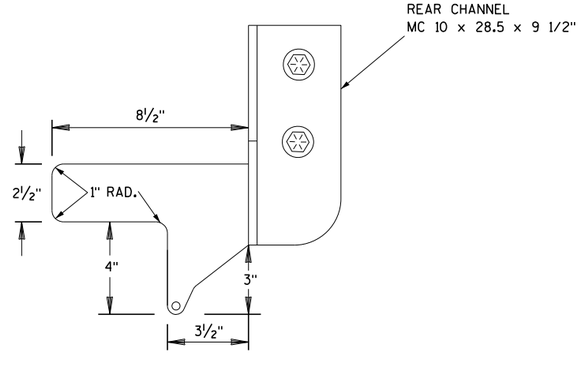
SECTION A-A



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

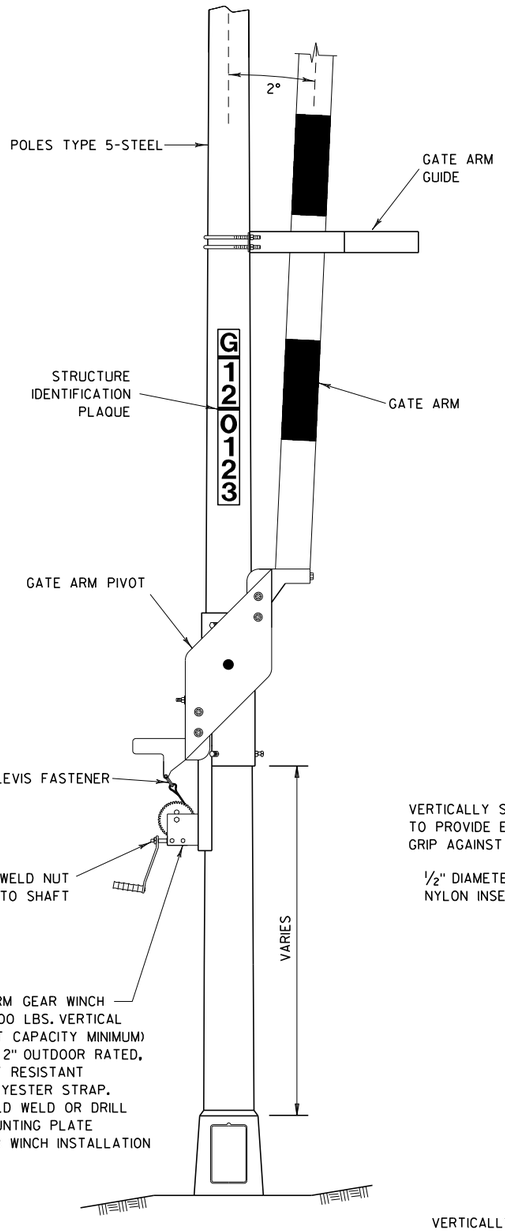
GENERAL NOTES

1. WHEN THE GATE IS FULLY RAISED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE OUTSIDE OF THE REAR CHANNEL.

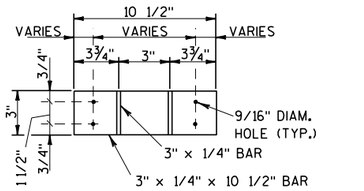
2. WHEN THE GATE IS FULLY LOWERED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE INSIDE OF THE REAR CHANNEL.

3. ANTI-SEIZE LUBRICATING MATERIAL SHALL BE USED ON ALL BOLT THREADS BEFORE INSTALLATION.

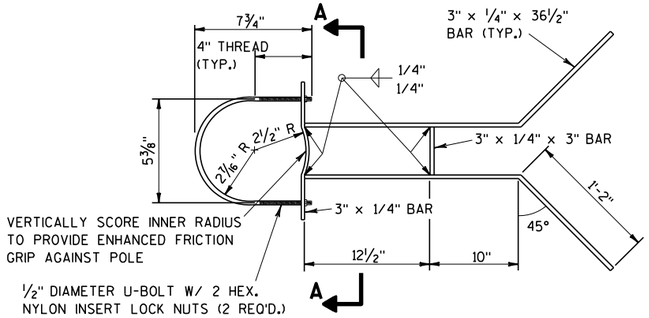
4. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307, GRADE A, UNLESS DESIGNATED AS HS (HIGH STRENGTH), WHICH SHALL CONFORM TO ASTM A325. BOLTS OF ½" NOMINAL DIAMTER OR LESS MAY BE STAINLESS STEEL.



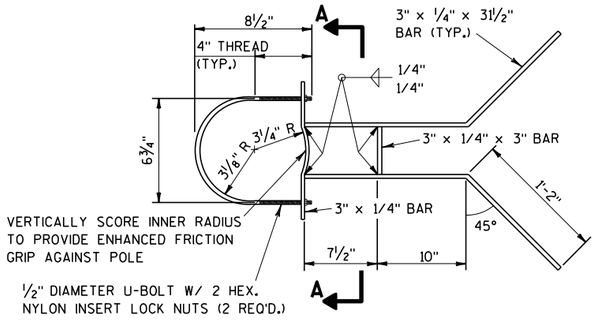
GATE PIVOT ASSEMBLY



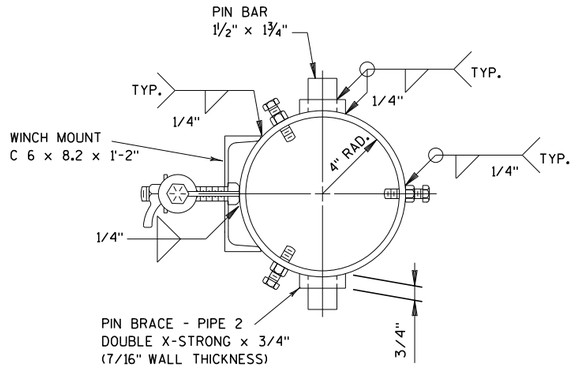
SECTION A-A
U-BOLTS NOT SHOWN



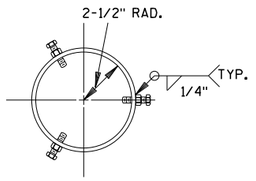
UPPER GATE ARM GUIDE DETAIL



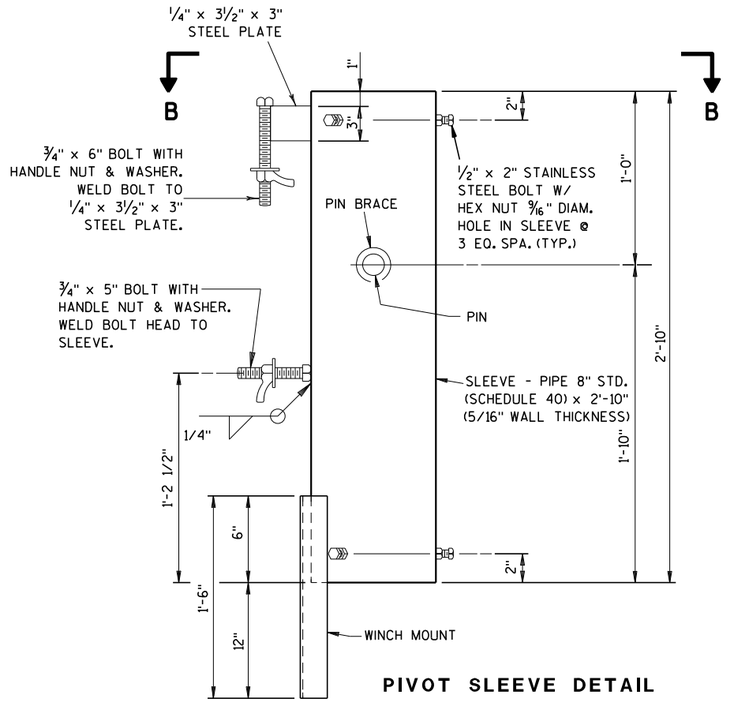
LOWER GATE ARM GUIDE DETAIL



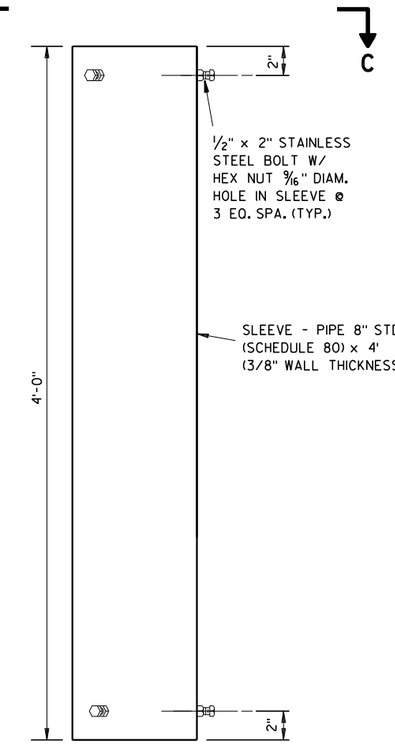
SECTION B-B



SECTION C-C



PIVOT SLEEVE DETAIL



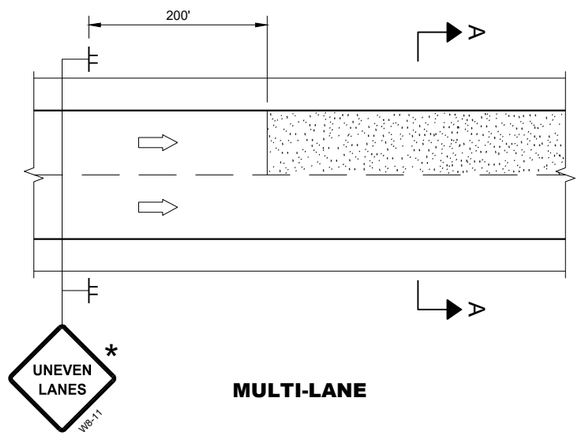
TOP COLLAR

RAMP GATE

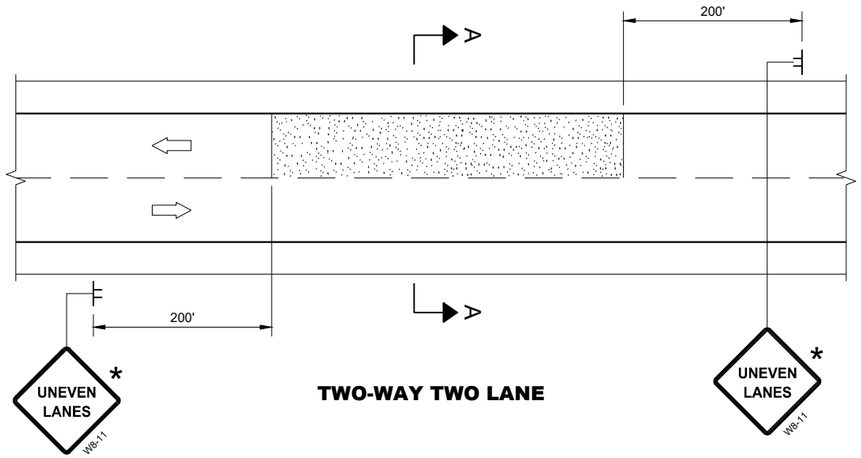
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER
FHWA

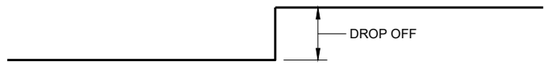
6
S.D.D. 15 D 35-3c



MULTI-LANE

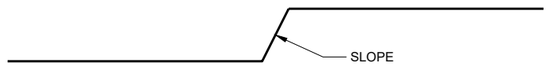


TWO-WAY TWO LANE

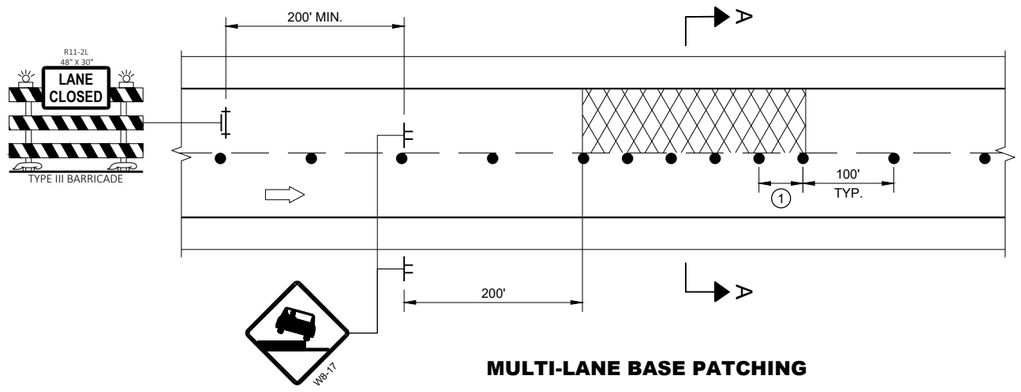


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

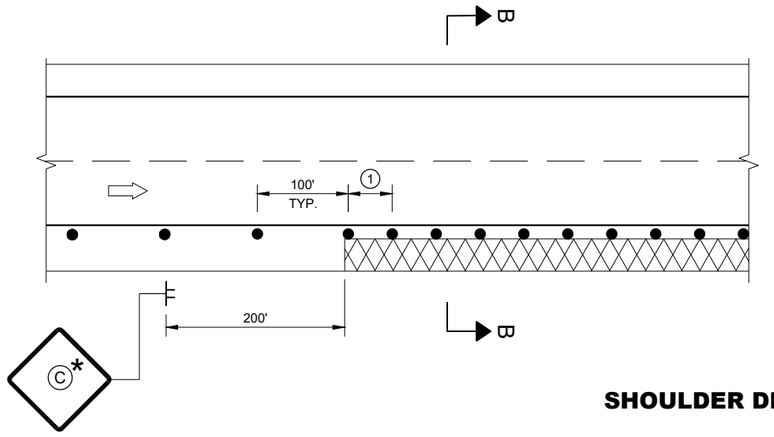
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

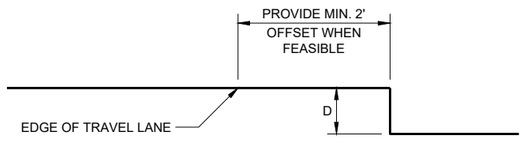
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D39 - 02

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

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

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. 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.

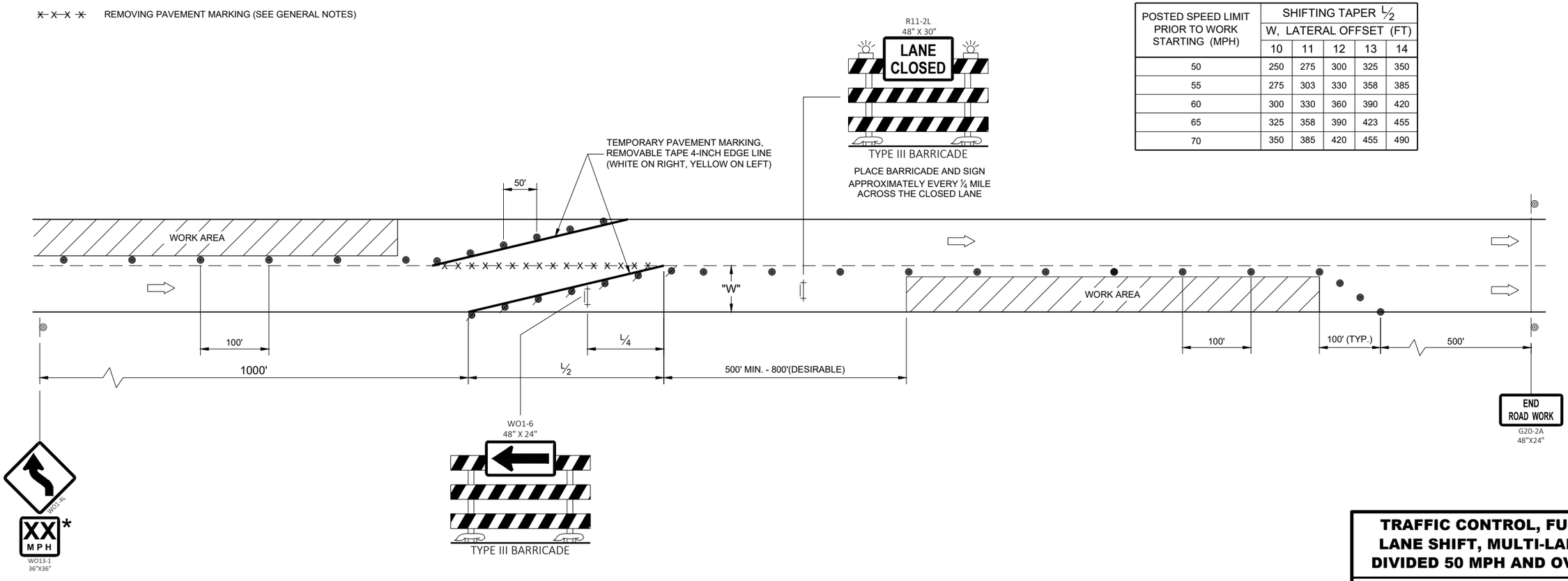
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L½ W, LATERAL OFFSET (FT)				
	10	11	12	13	14
50	250	275	300	325	350
55	275	303	330	358	385
60	300	330	360	390	420
65	325	358	390	423	455
70	350	385	420	455	490



TRAFFIC CONTROL, FULL LANE SHIFT, MULTI-LANE DIVIDED 50 MPH AND OVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

SDD 15D40 - 02b

SDD 15D40 - 02b

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.

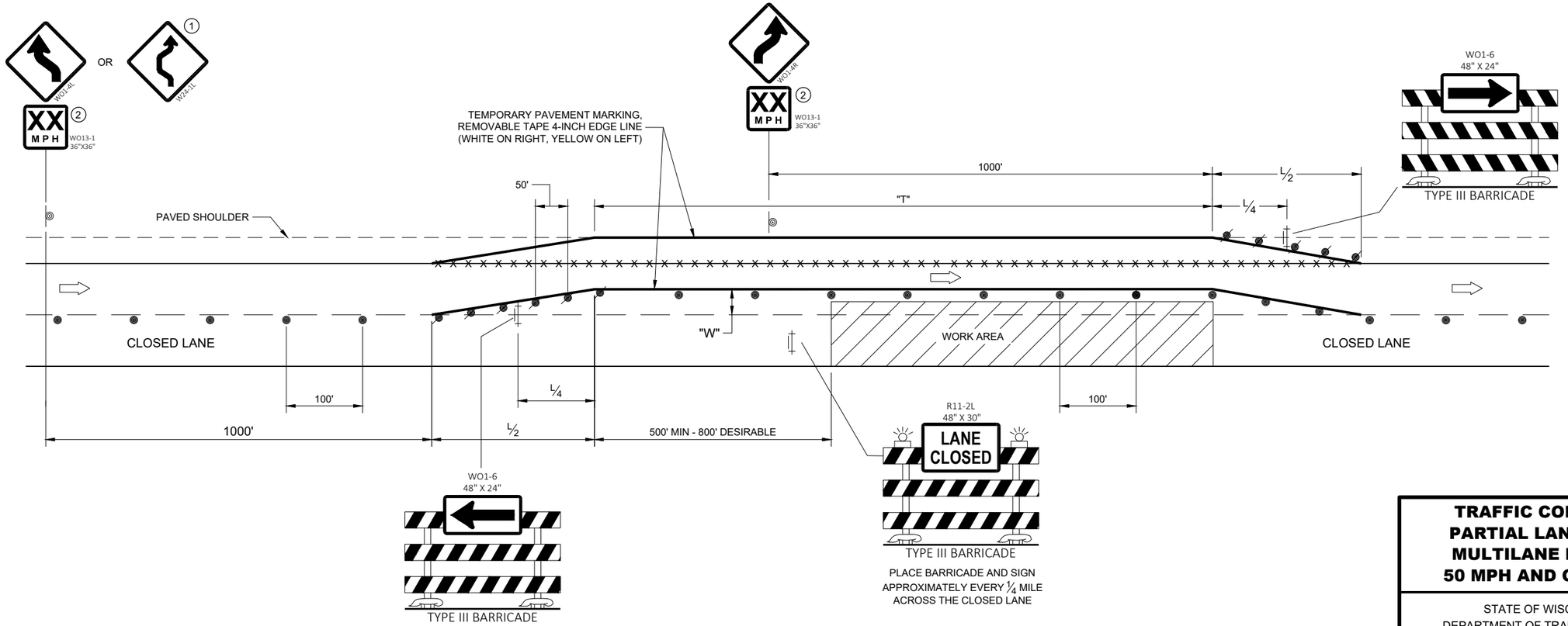
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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.

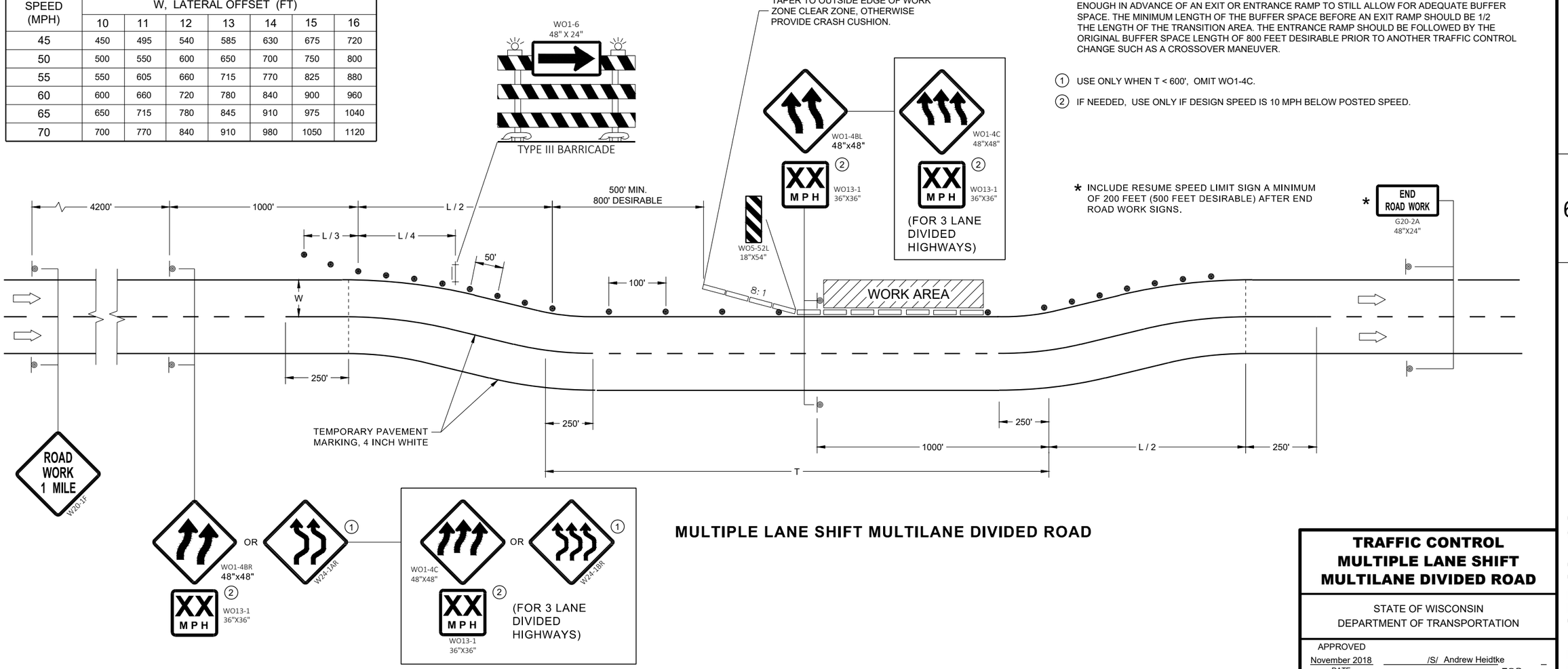
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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
523

FHWA

6

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

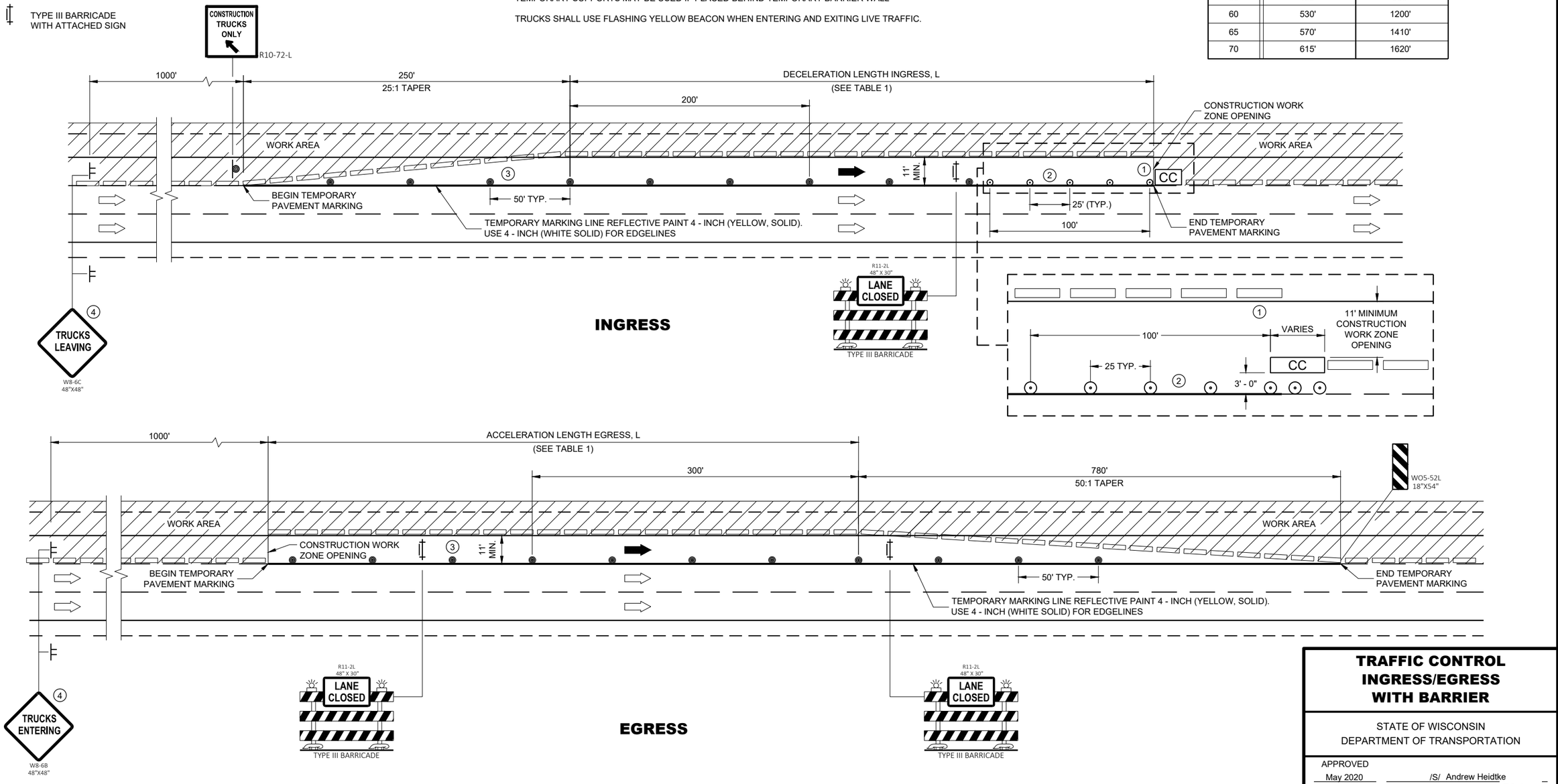
TEMPORARY SUPPORTS MAY BE USED IF PLACED BEHIND TEMPORARY BARRIER WALL

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

524

FHWA

6

SDD 15D47 - 01a

6

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.

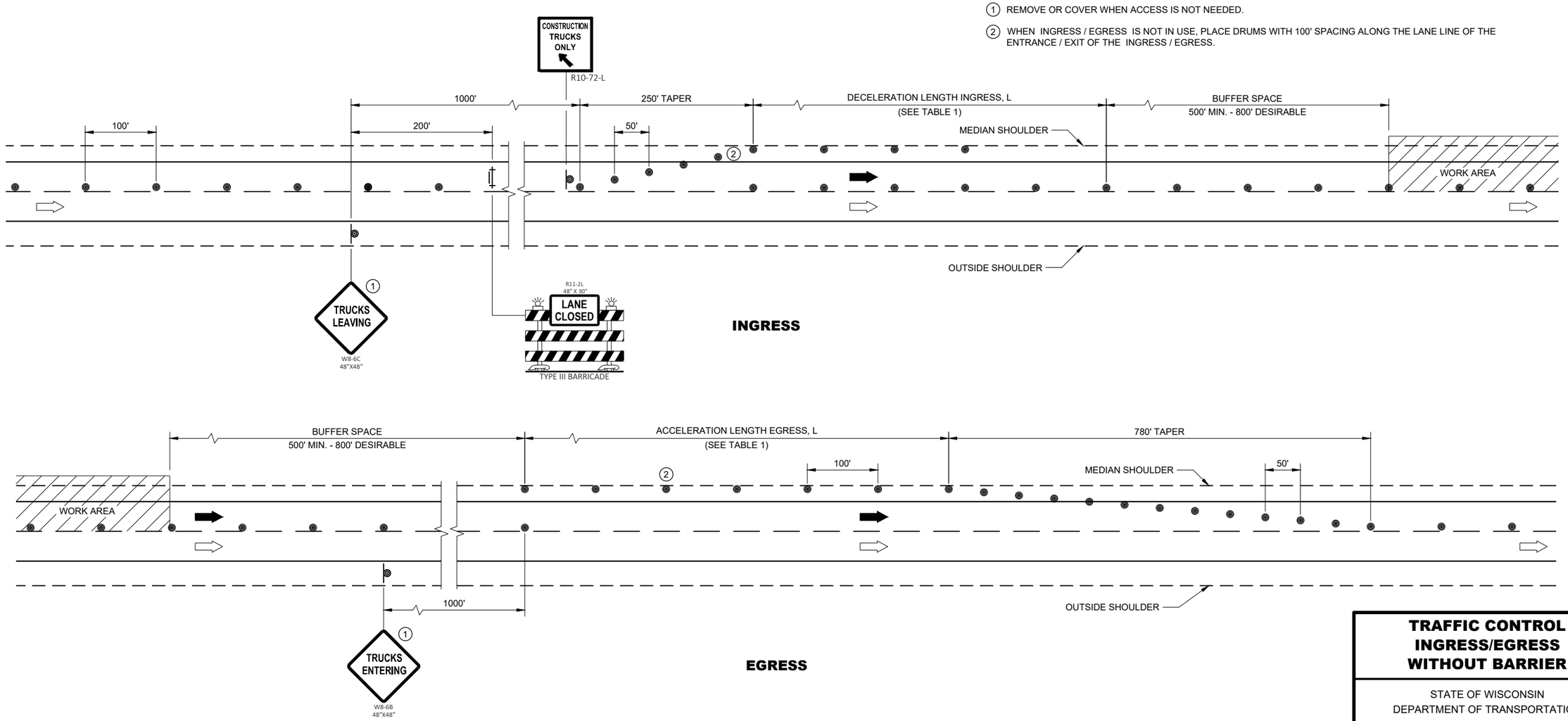
THIS ACCESS DETAIL IS TYPICAL FOR LEFT LANE ACCESS, FOR RIGHT LANE ACCESS, REVERSE THE TRAFFIC CONTROL

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

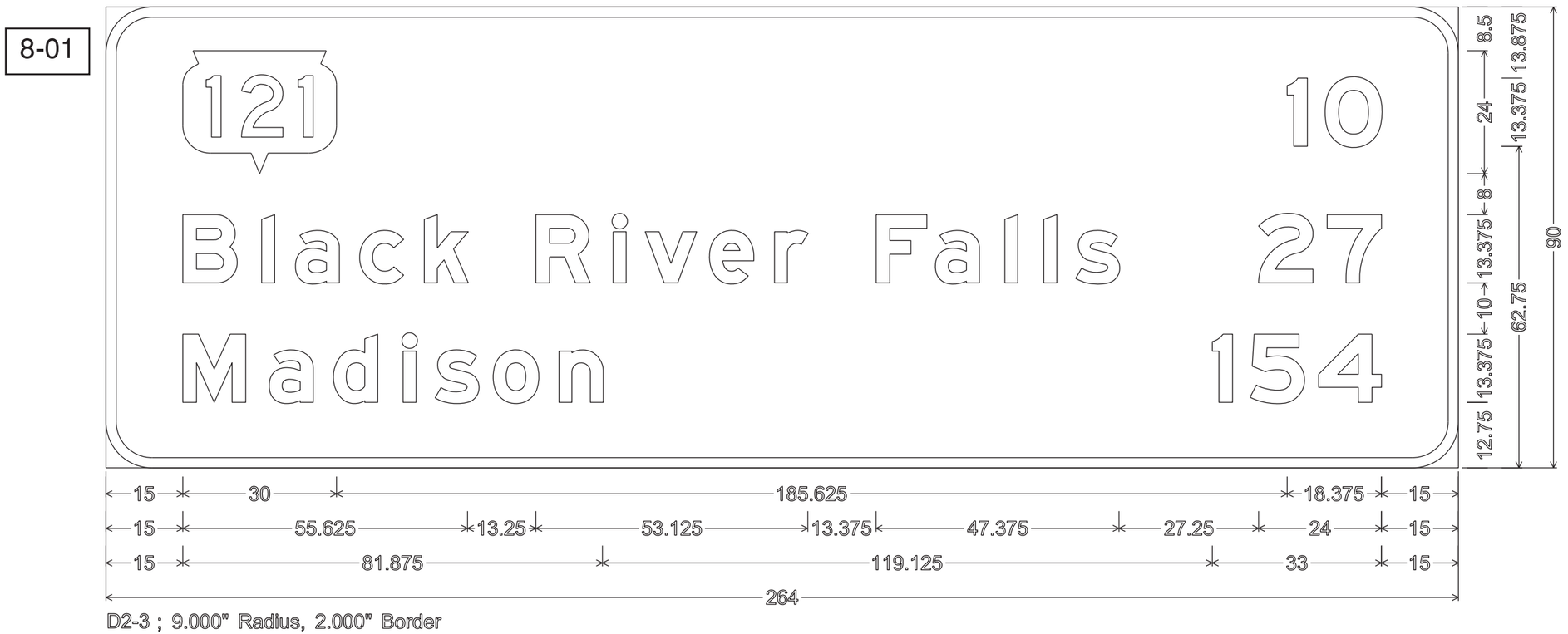
SDD 15D47 - 01b

SDD 15D47 - 01b

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified

8-01



D2-3 ; 9.000" Radius, 2.000" Border

7

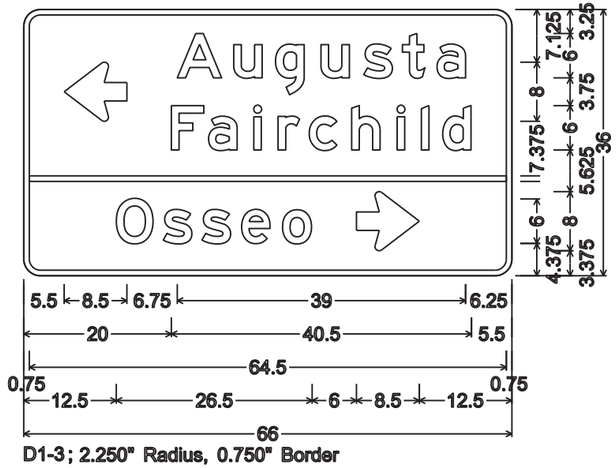
7

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PERMANENT SIGNING	SHEET NO: 526	E

NOTES

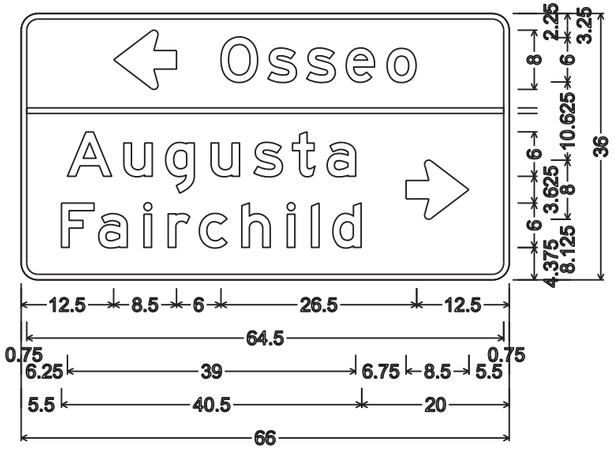
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E

2-08



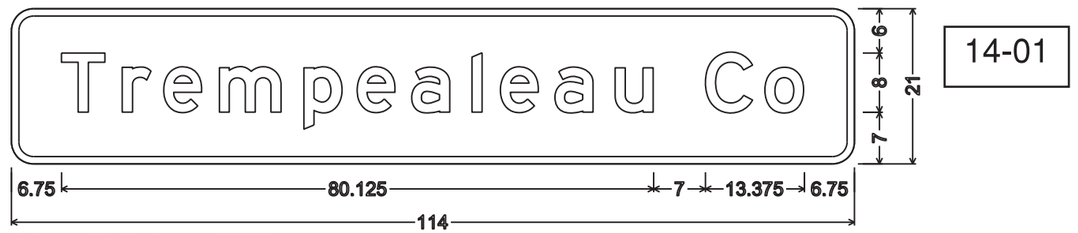
D1-3; 2.250" Radius, 0.750" Border

5-01



D1-3; 2.250" Radius, 0.750" Border

14-01



I2-2; 3.000" Radius, 1.000" Border

14-02

I2-2 ; 3.000" Radius, 1.000" Border

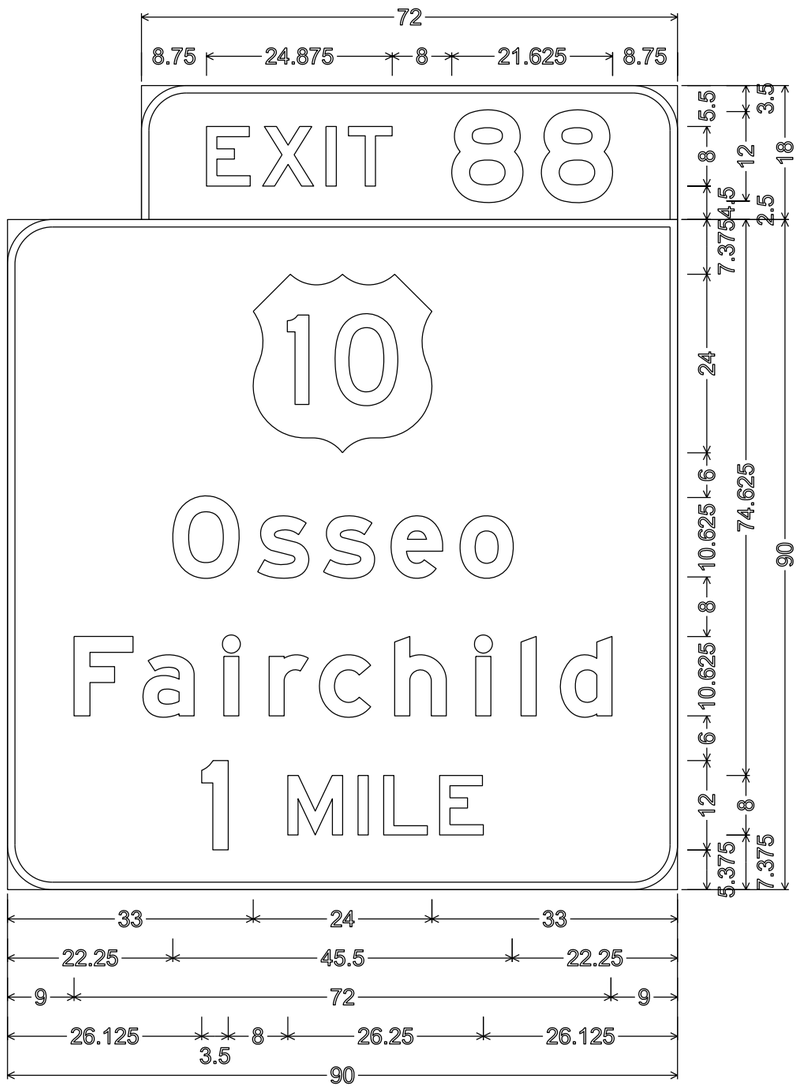
7

7

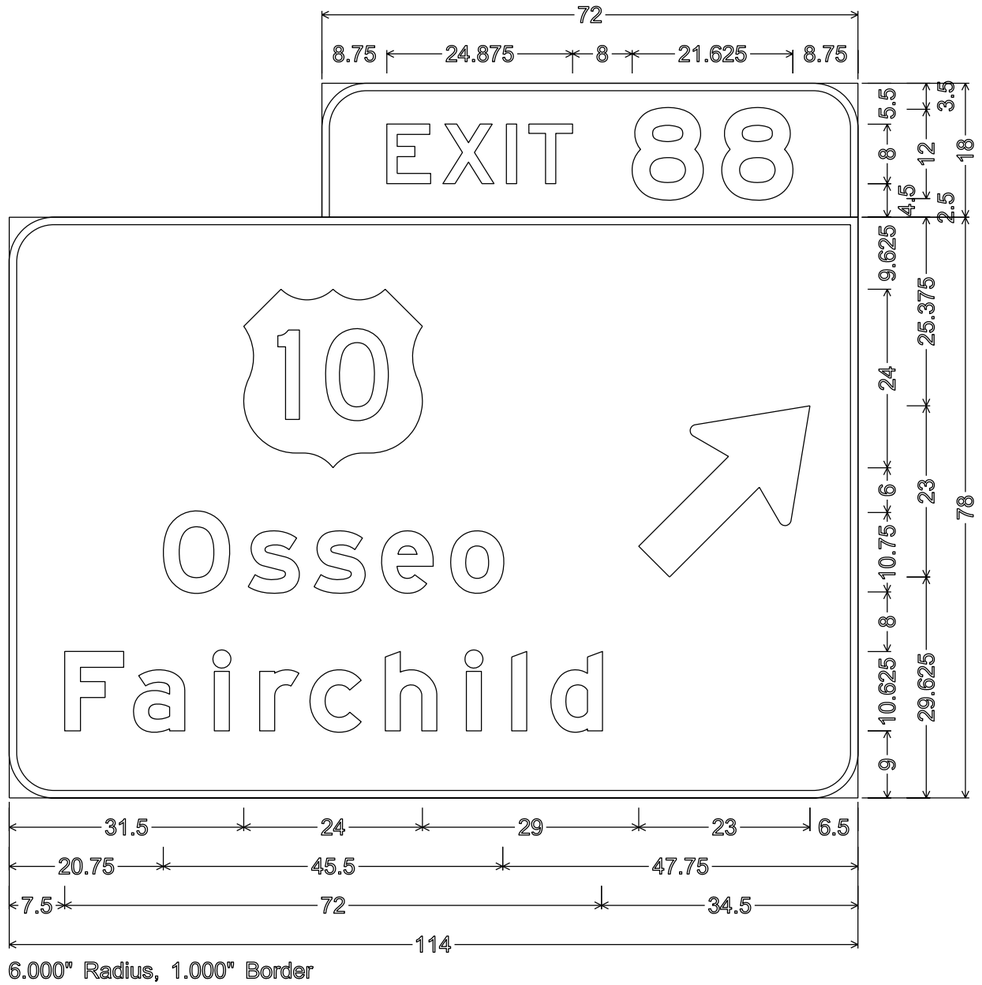
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	PERMANENT SIGNING	SHEET NO: 527	E

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E



6.000" Radius, 1.000" Border



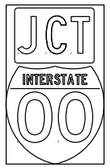
6.000" Radius, 1.000" Border

7

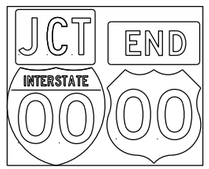
7

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	TEMPORARY SIGNING	SHEET NO: 528	E

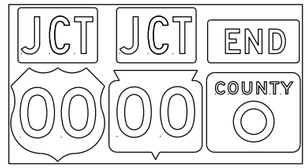
TYPICAL ASSEMBLIES



J1-1



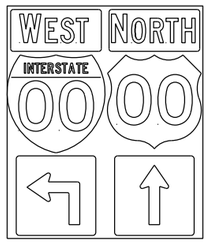
J1-2



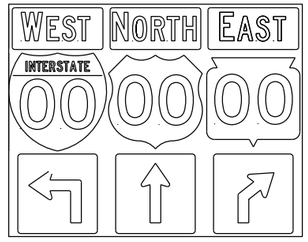
J1-3

JR1-1

J2-1

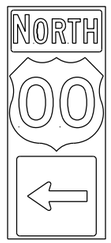


J2-2

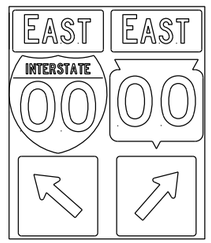


J2-3

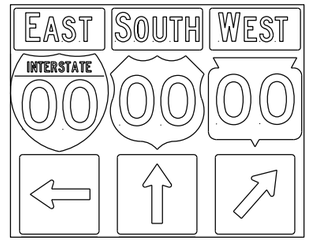
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



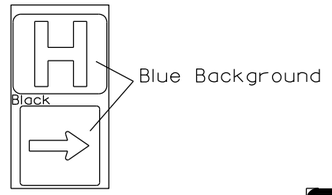
J3-1



J3-2

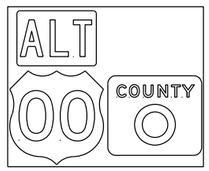


J3-3

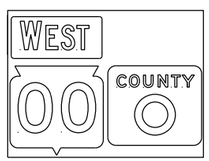


JH-1

J4-1

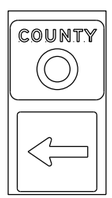


J4-2



J4-2

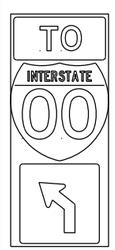
J12-1



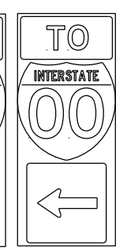
J13-1

J32-1

J33-1



J22-1

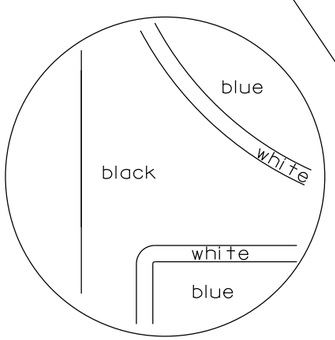


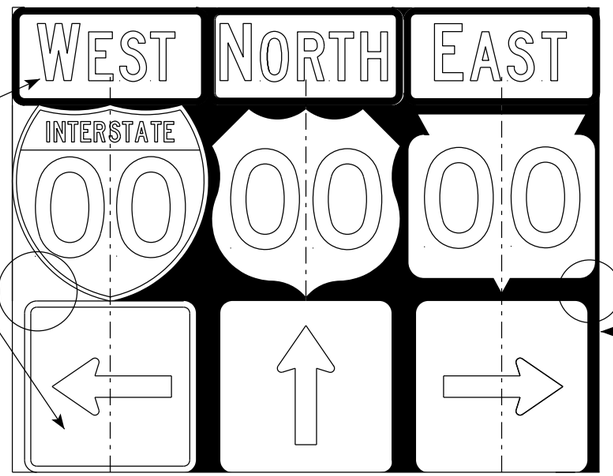
J23-1

JR13-1

JR23-1

JR99-1





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

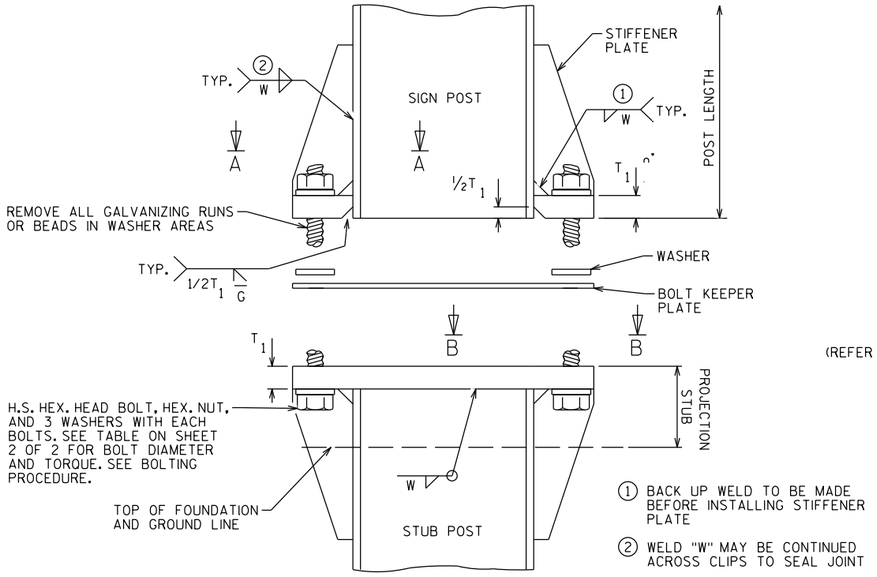
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

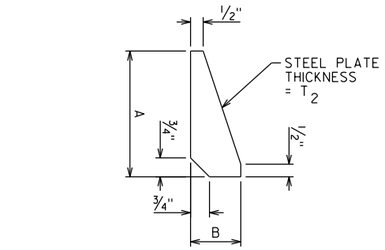
SHEET NO: 529 E



① BACK UP WELD TO BE MADE BEFORE INSTALLING STIFFENER PLATE

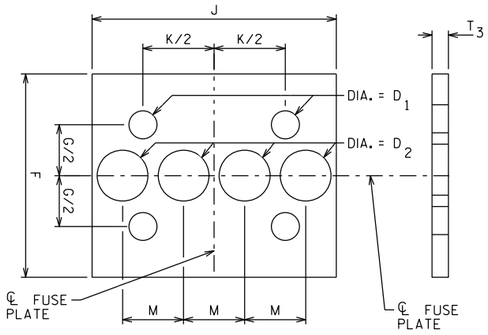
② WELD "W" MAY BE CONTINUED ACROSS CLIPS TO SEAL JOINT

SIGN POST & STUB POST ELEVATION



STIFFENER PLATE DETAIL

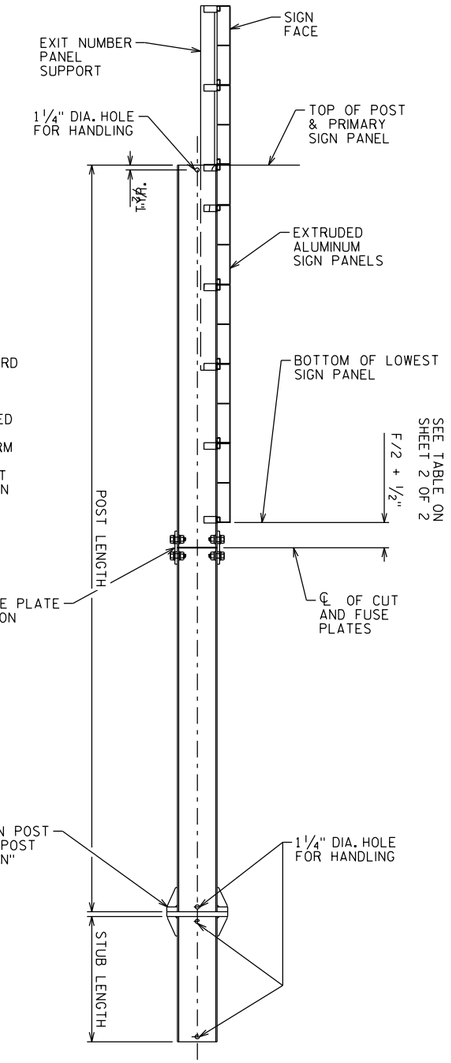
(REFER TO TABLE ON SHEET 2 OF 2 FOR DIMENSIONS)



PERFORATED FUSE PLATE DETAIL

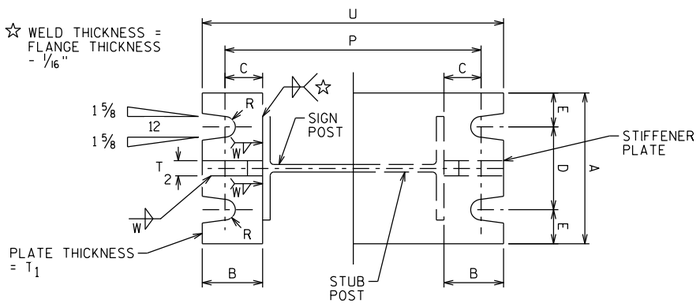
USE H.S. HEX HEAD BOLTS, HEX HEAD NUT AND FLAT WASHER UNDER NUT. INSTALL BOLTS PER THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 506.3.12.3.

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.



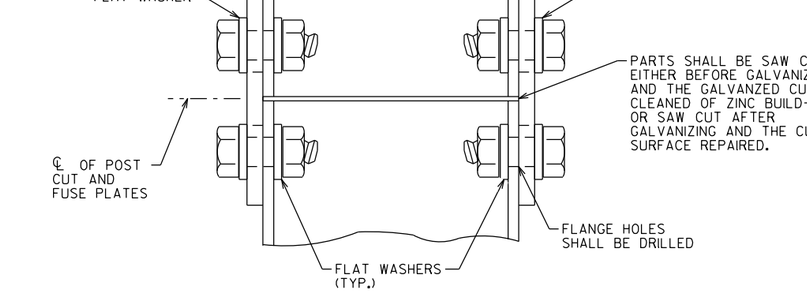
POST DETAIL

☆ WELD THICKNESS = FLANGE THICKNESS - 1/16"

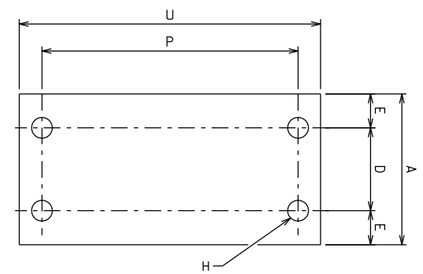


SECTION A-A

SECTION B-B



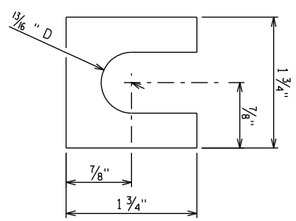
FUSE PLATE CONNECTION DETAIL



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

530

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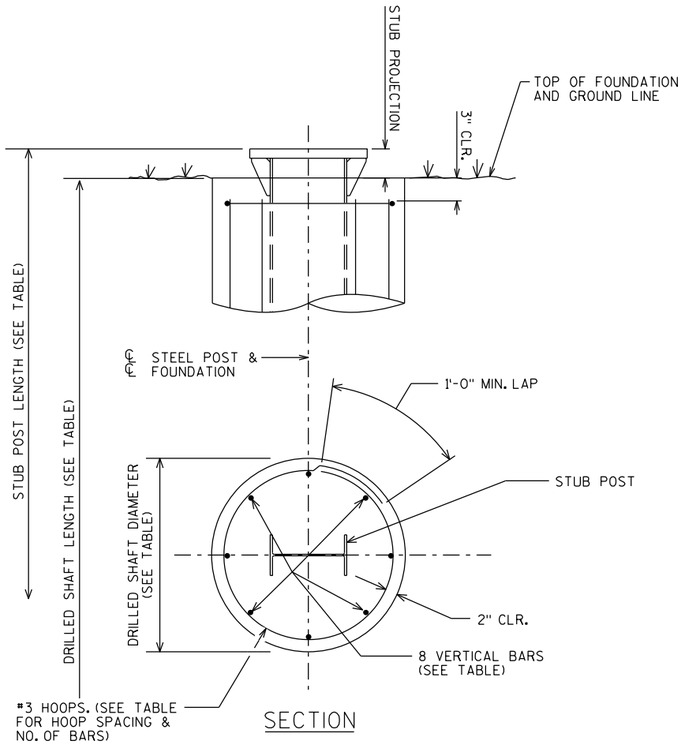
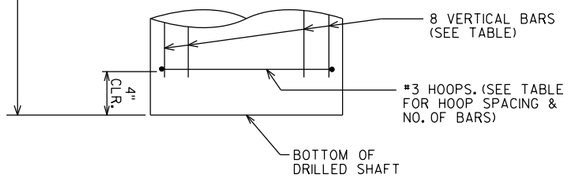
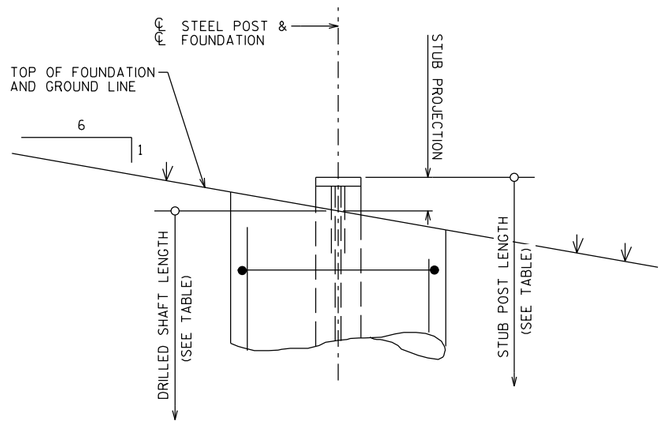


SECTION



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

531

7

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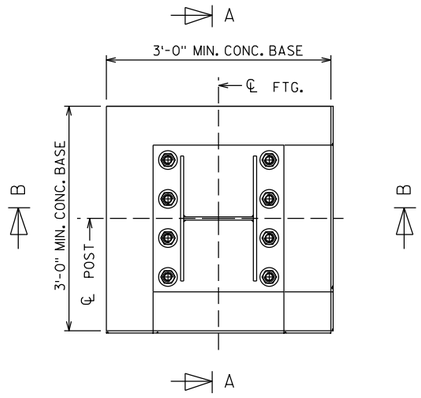
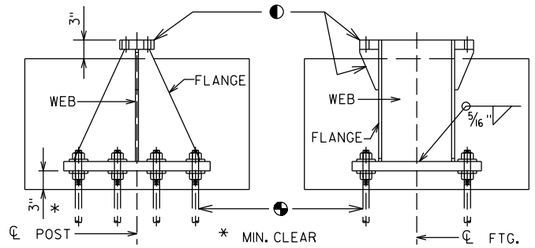
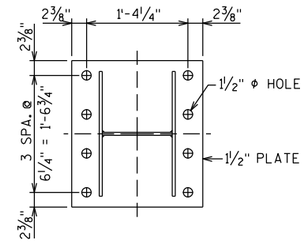
STUB AND ADHESIVE ANCHOR DETAILS



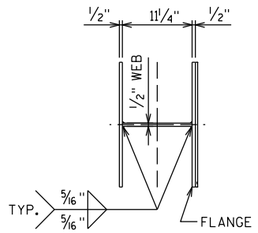
STUB SECTION



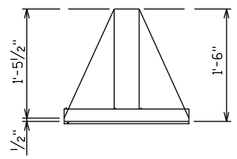
SECTION A-A SECTION B-B



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.

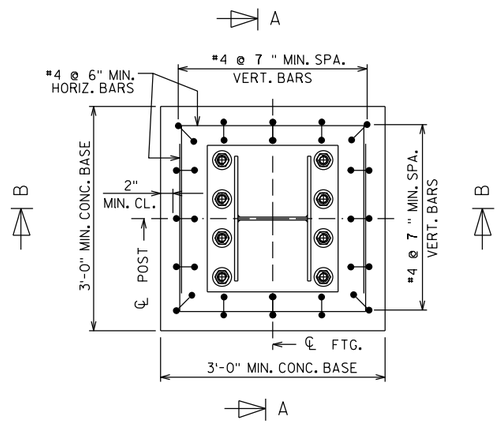
GENERAL NOTES:

QUANTITIES PER BASE:
REINFORCING STEEL = 62 LB
CONCRETE = 0.6 CY
STRUCTURAL STEEL = 335 LB

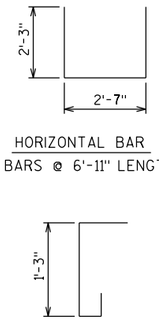
ALL MATERIALS, EXCEPT FOR ANCHOR ROD, NUTS, AND WASHERS, SHALL BE ASTM A709 GRADE 50. ALL MATERIALS TO BE GALVANIZED AFTER FABRICATION.

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

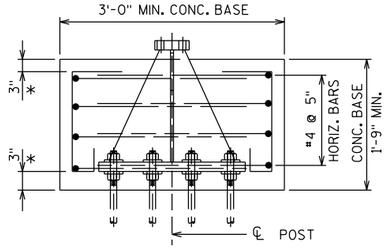


CONCRETE BASE PLAN

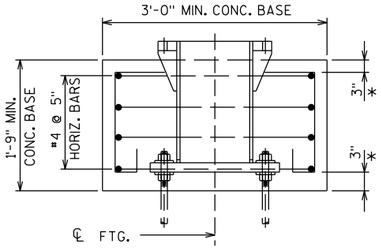


HORIZONTAL BAR
8 BARS @ 6'-11" LENGTH

VERTICAL BARS
16 BARS @ 2'-4" LENGTH
MAY BE PLACED IN SKEW
FOR CLEARANCE NEED



SECTION A-A



SECTION B-B

* MIN. CLEAR

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

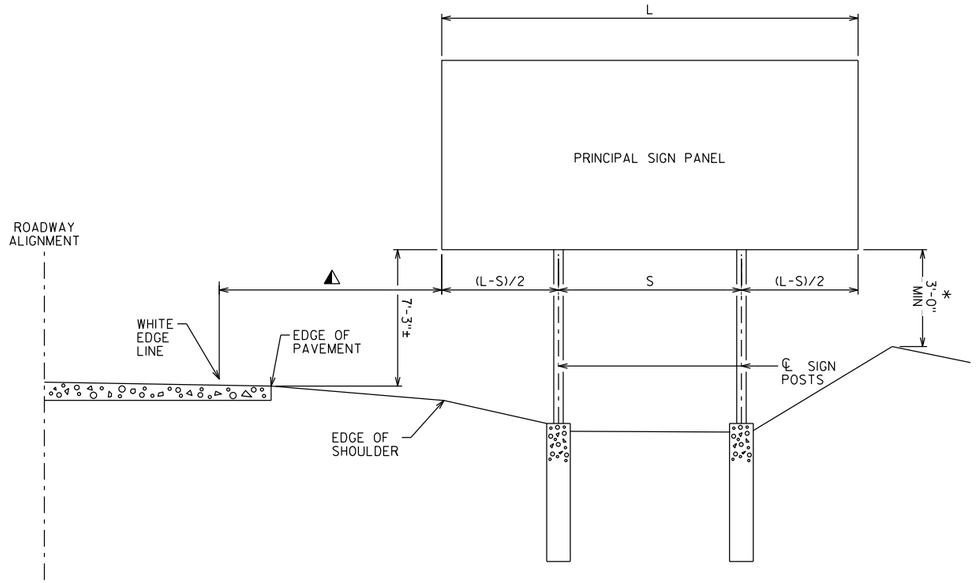
STRUCTURE BTO TYPE I SIGNS

DRAWN BY	PLANS CK'D.

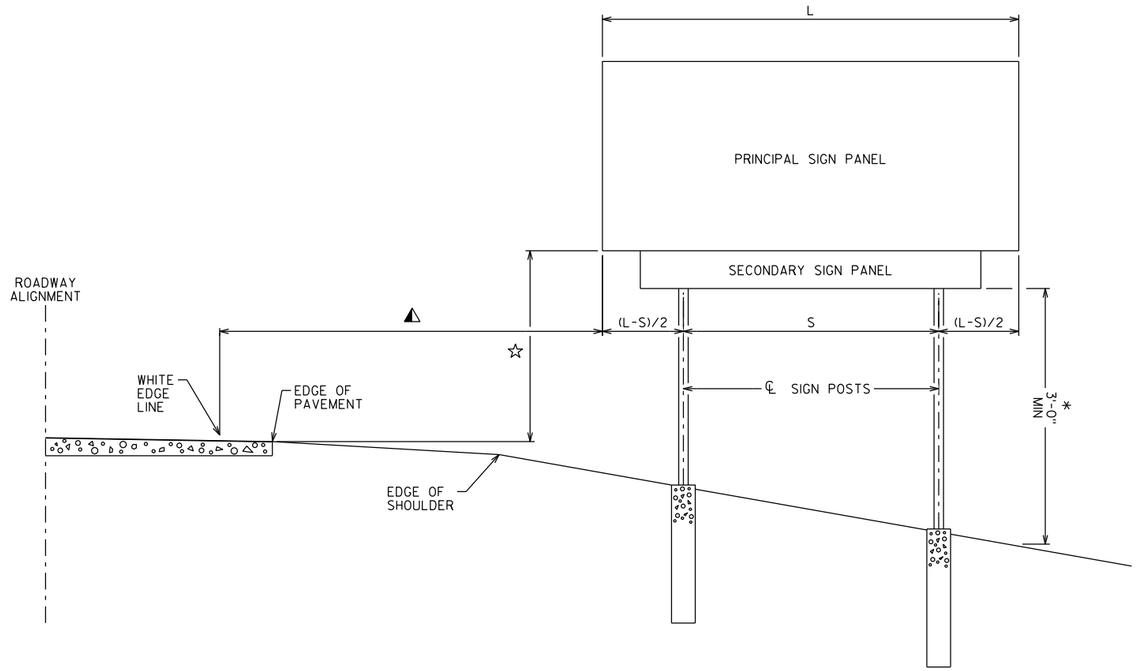
ALTERNATE BREAK-AWAY BASE ON ROCK

SHEET A3-1M.2

532



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

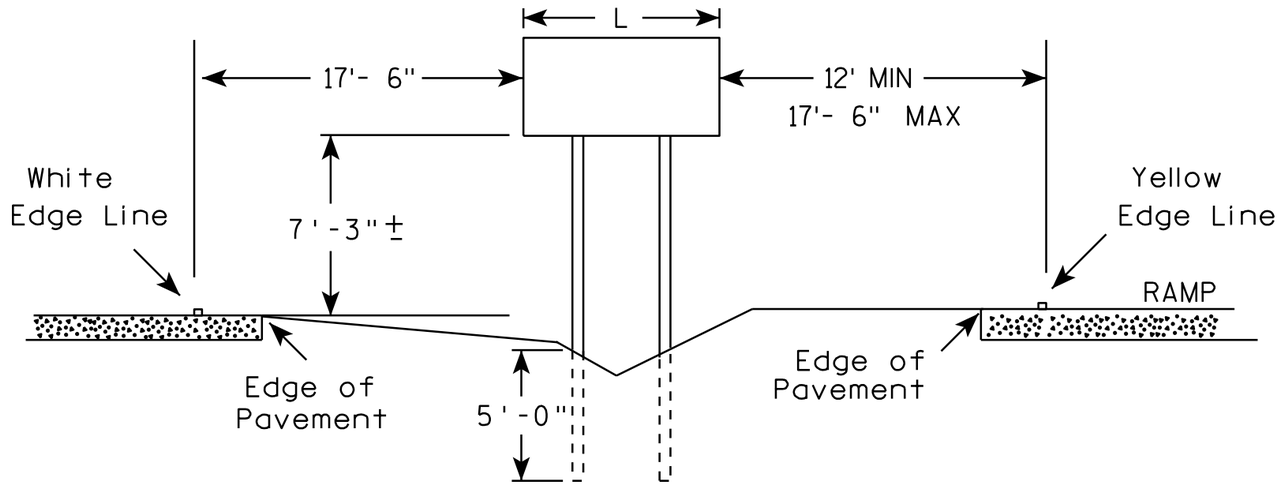
STRUCTURE BTO TYPE I SIGNS

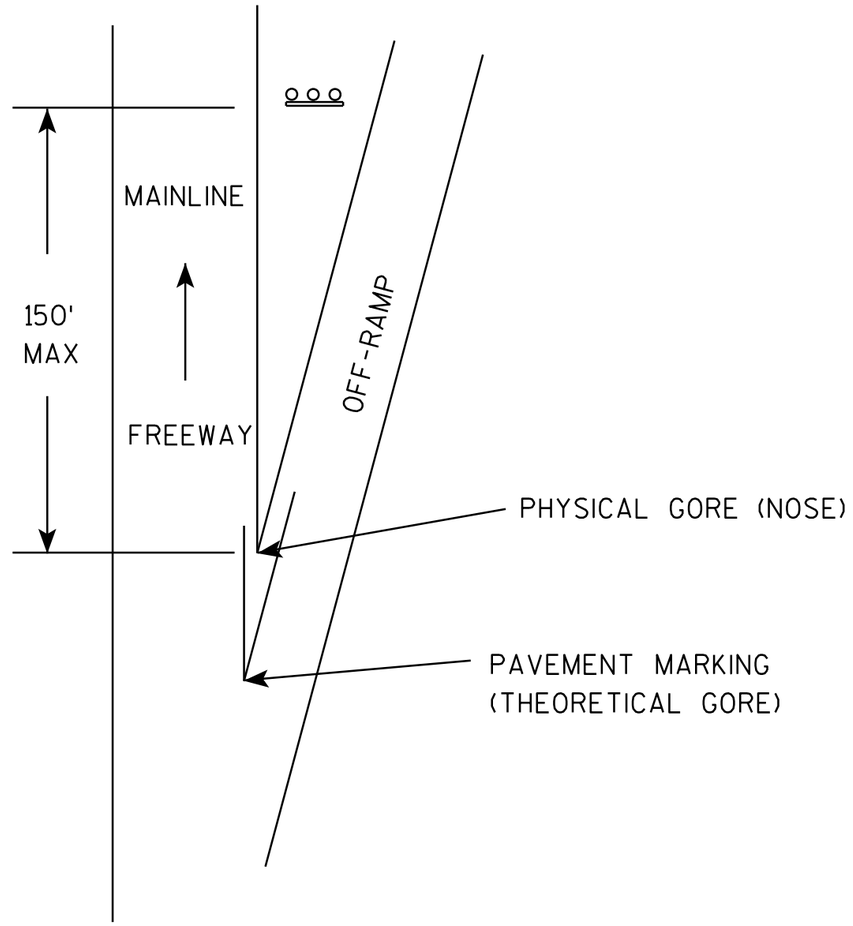
DRAWN BY | PLANS CK'D.

TYPICAL TYPE I SIGN INSTALLATION

SHEET A4-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 533 | 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.

7

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TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

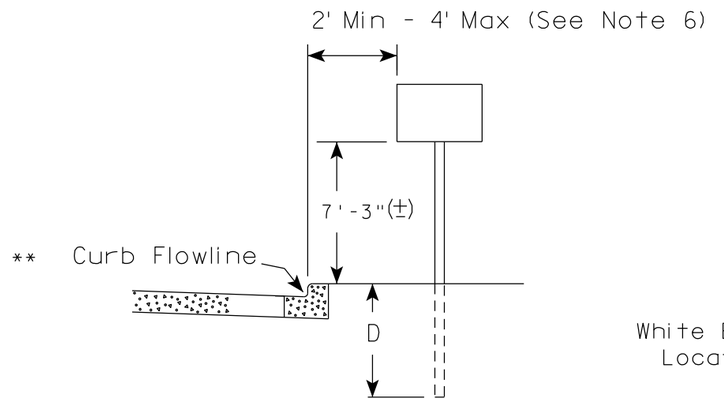
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

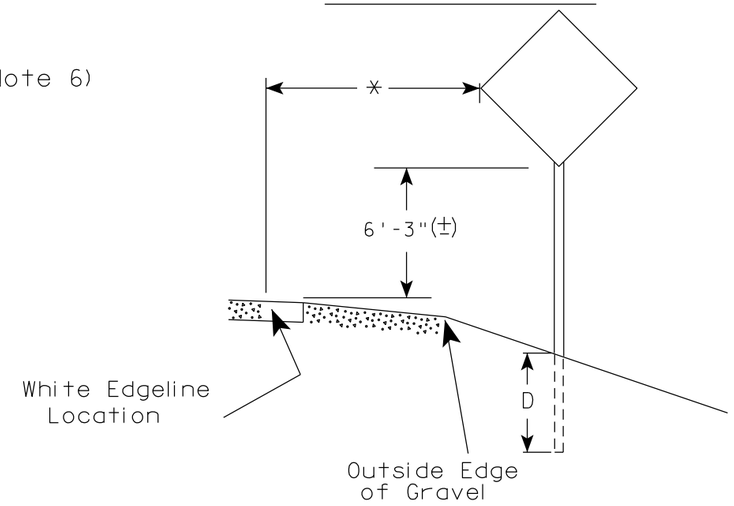
DATE 2/06/14 PLA 534 A4-2.3

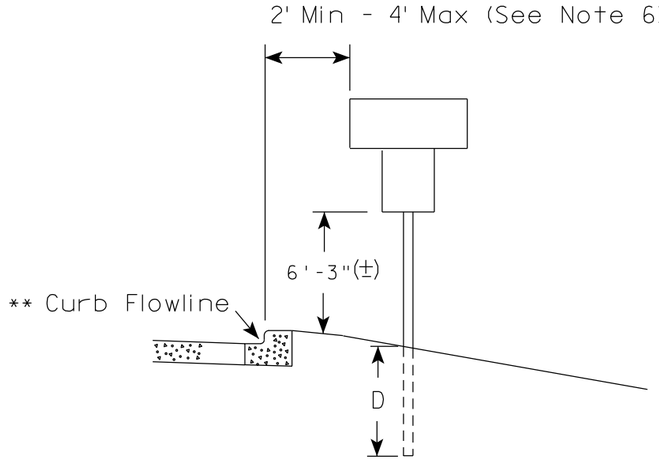
PROJECT NO: | SHEET NO: E

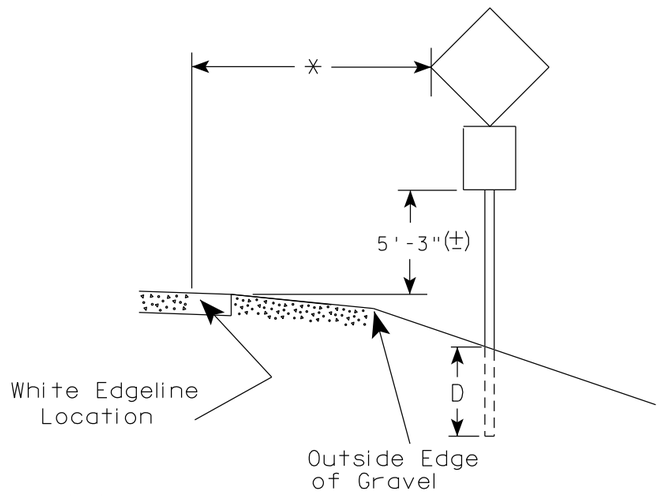
URBAN AREA



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.

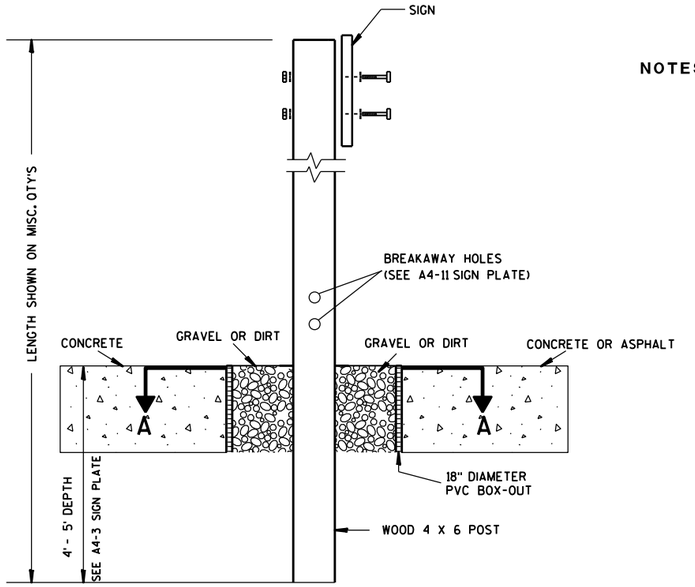
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

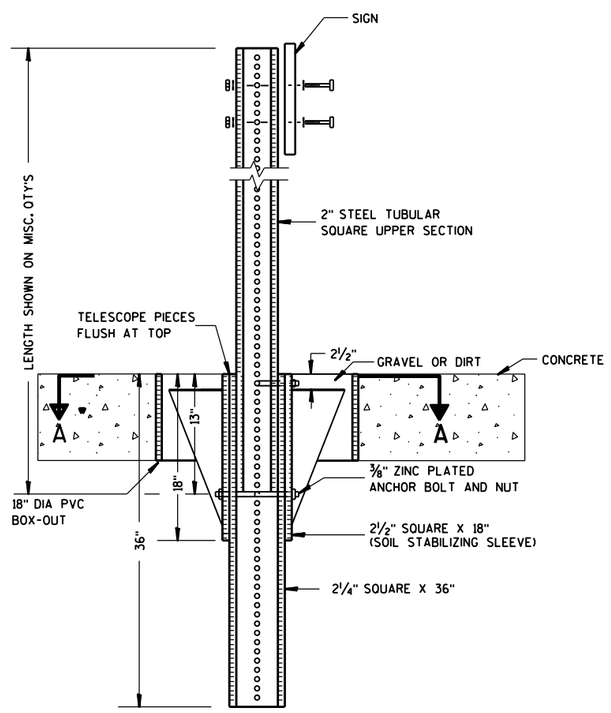
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 535	E



ELEVATION VIEW

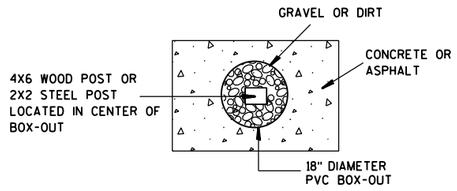
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

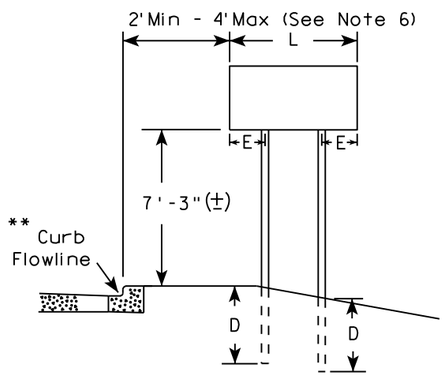
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

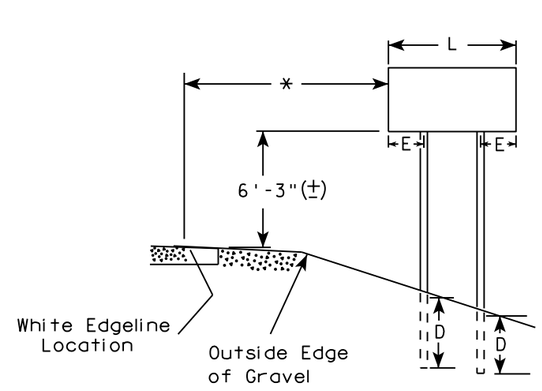
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

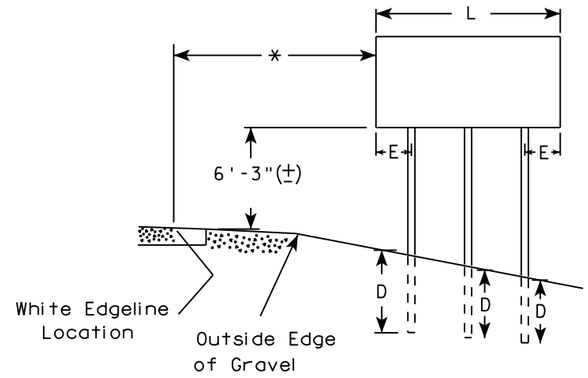
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

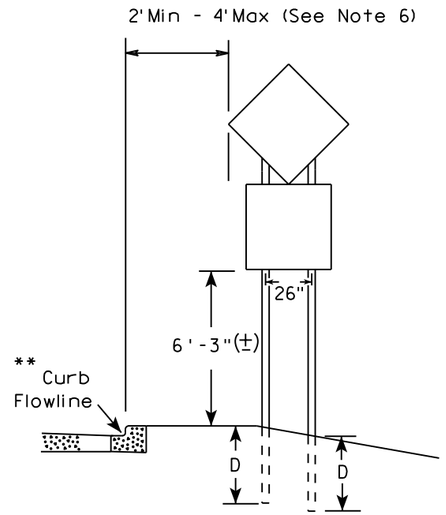
URBAN AREA



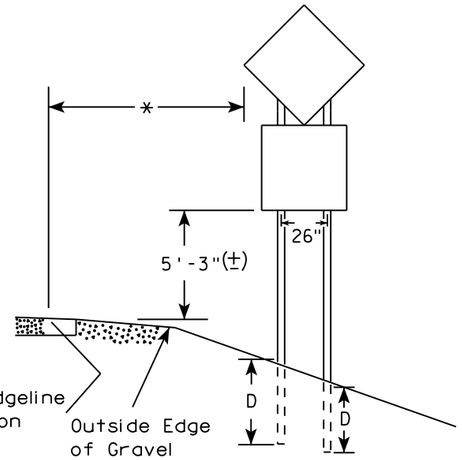
RURAL AREA (See Note 3)







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

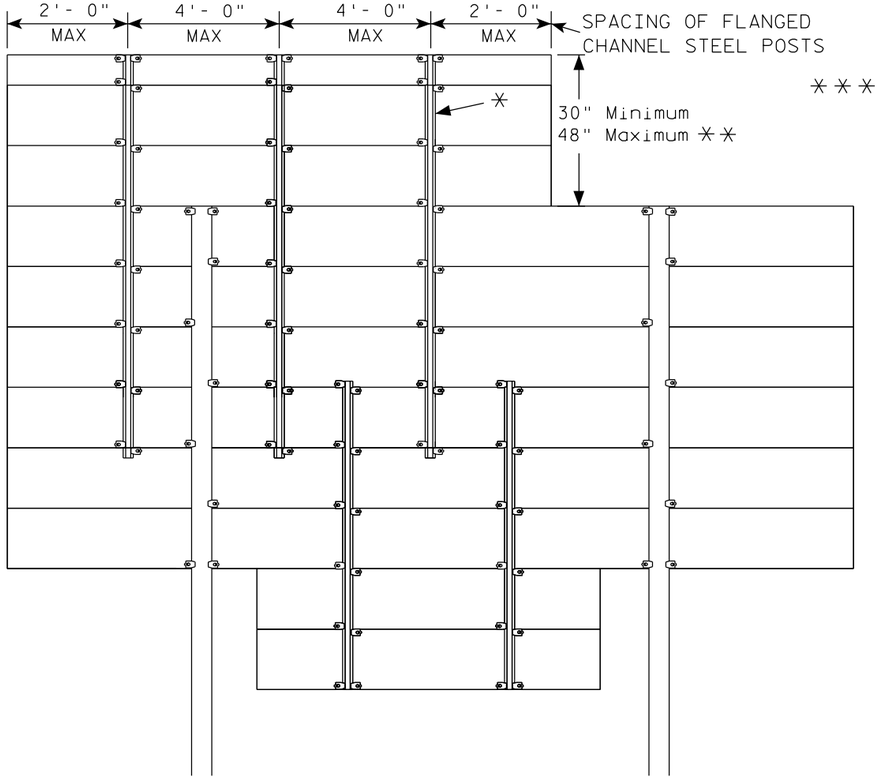
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 537	E

GROUND MOUNTED SIGN



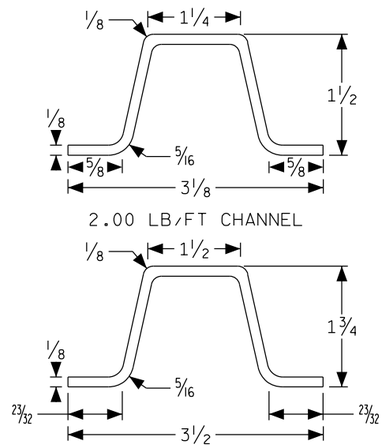
✳=2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

✳✳=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

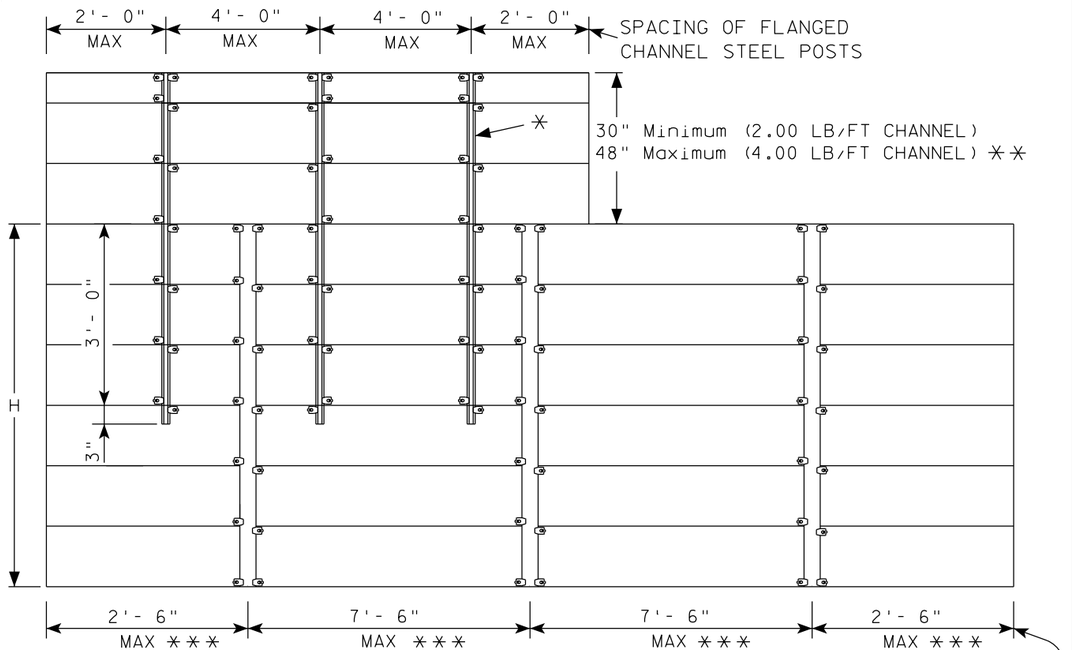
NOT TO SCALE



2.00 LB/FT CHANNEL

4.00 LB/FT CHANNEL

SIGN BRIDGE MOUNTED SIGN



SPACING OF ALUMINUM SIGN SUPPORTS 5" X 3.5" X 3.7 LBS./ft.

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

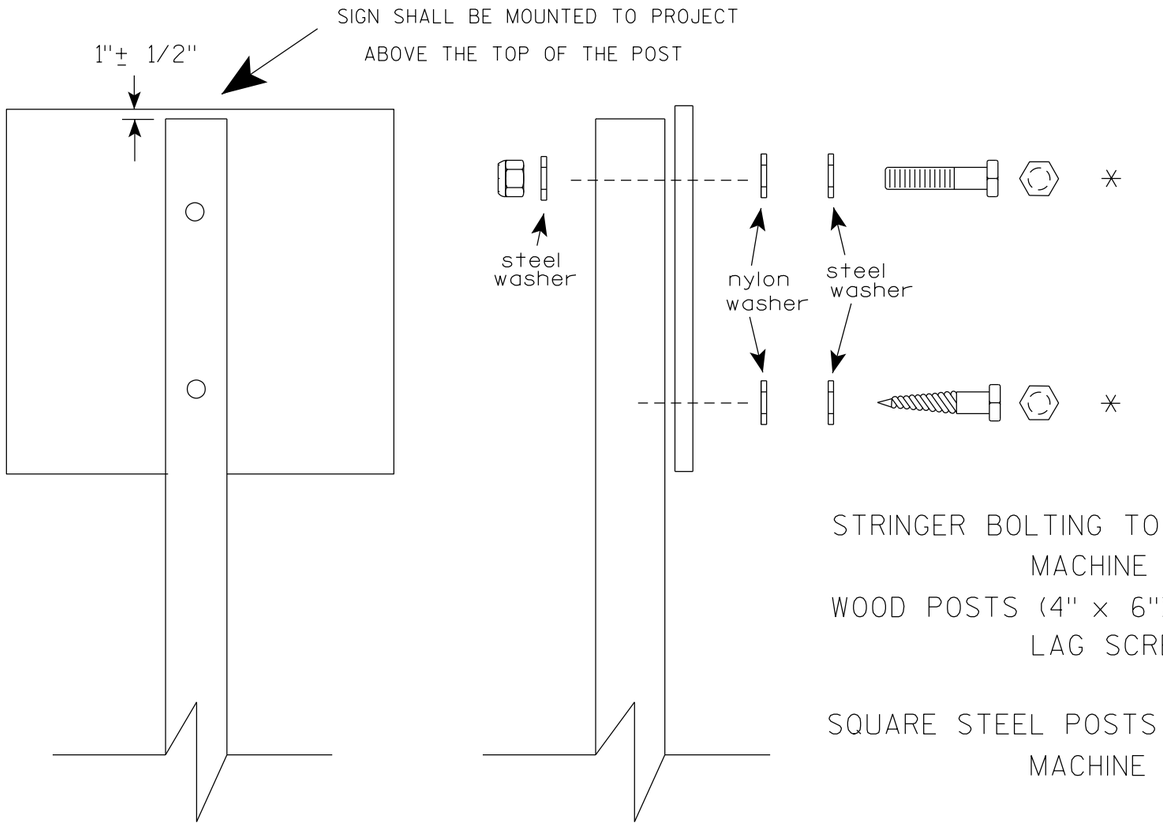
   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER 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



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

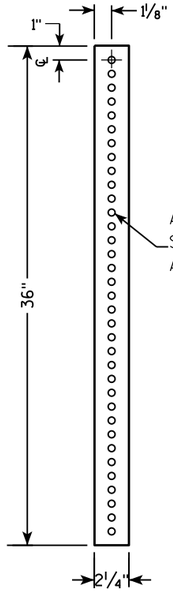
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

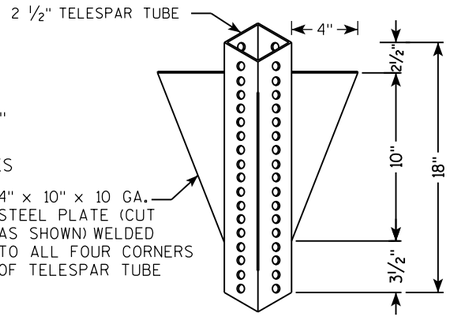
SHEET NO: 539 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

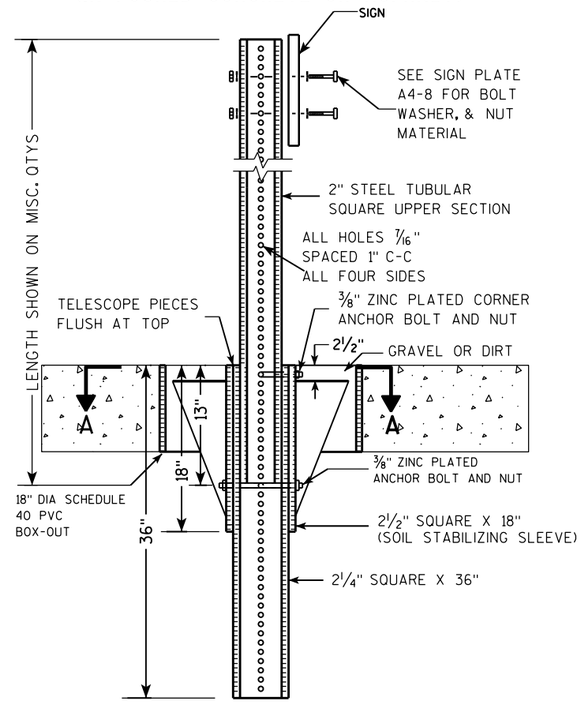
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



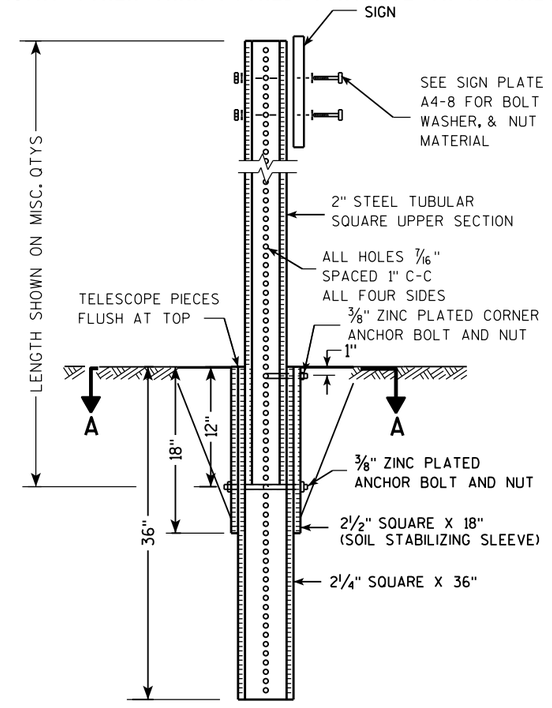
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

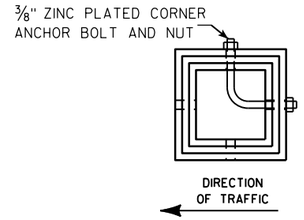


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

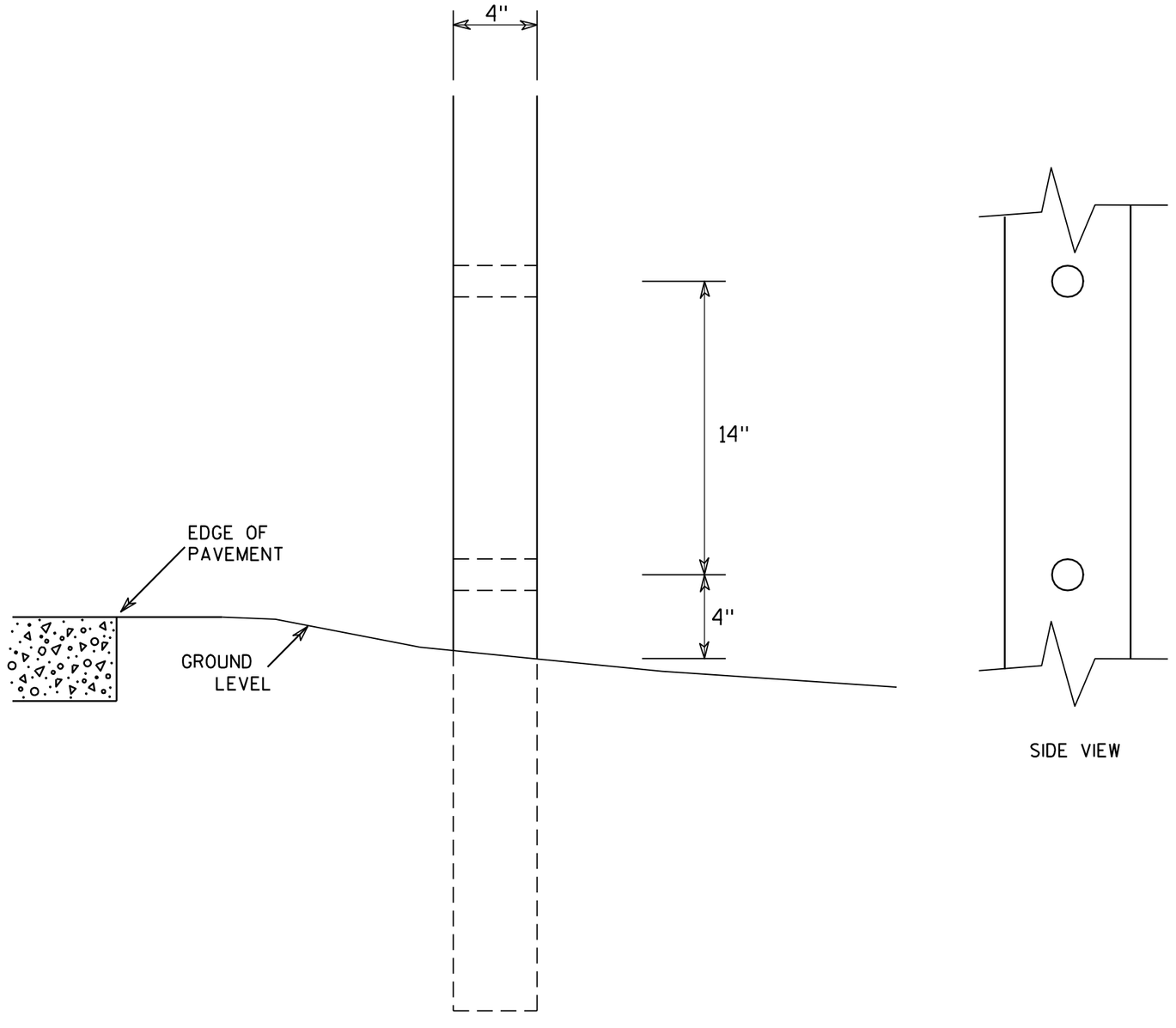
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 540 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.

7

7

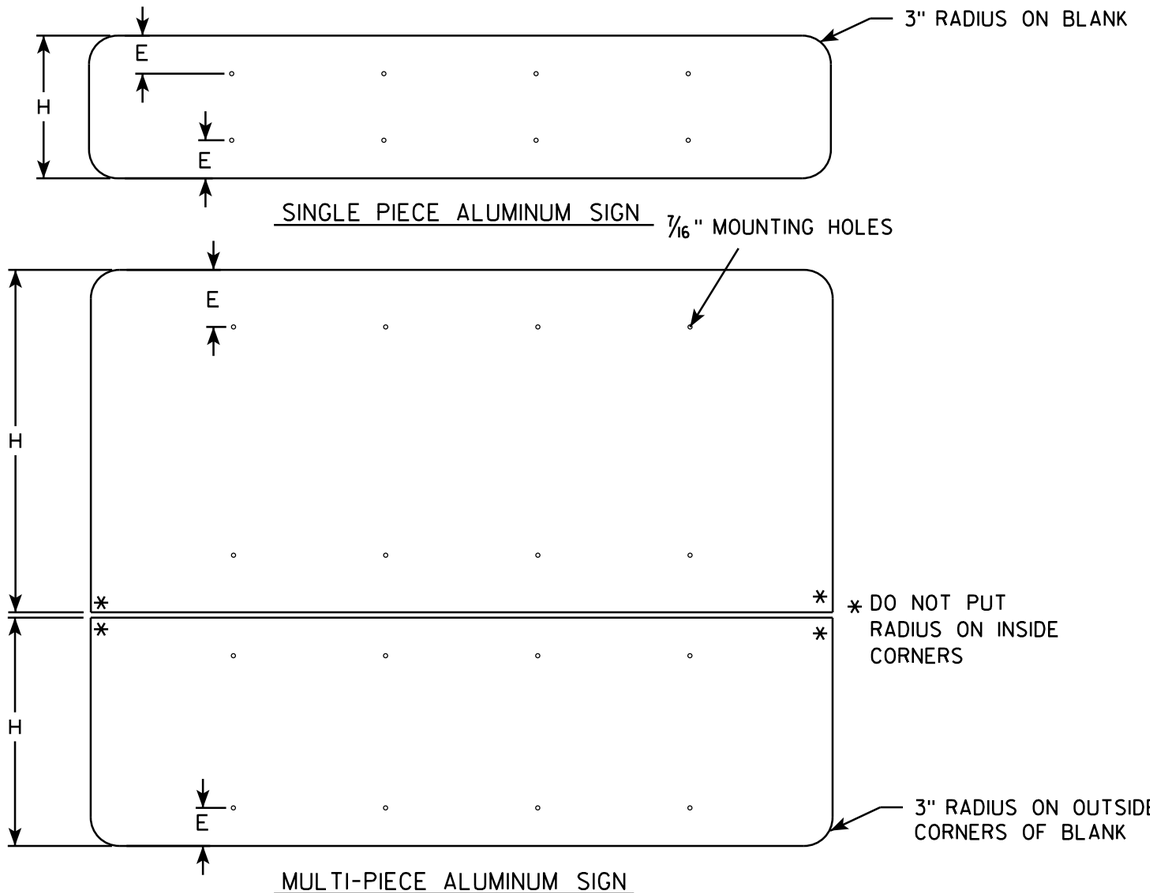
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

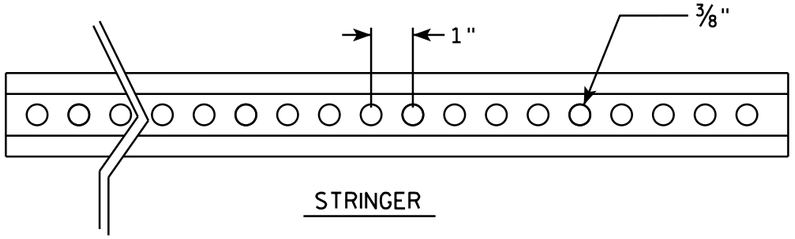
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 541	E



GENERAL NOTES

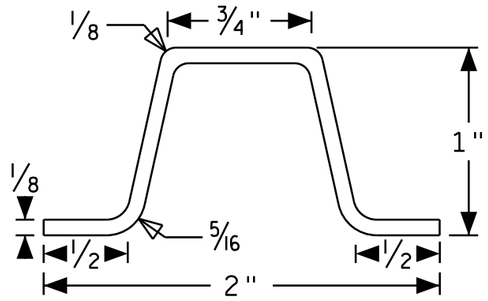
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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"

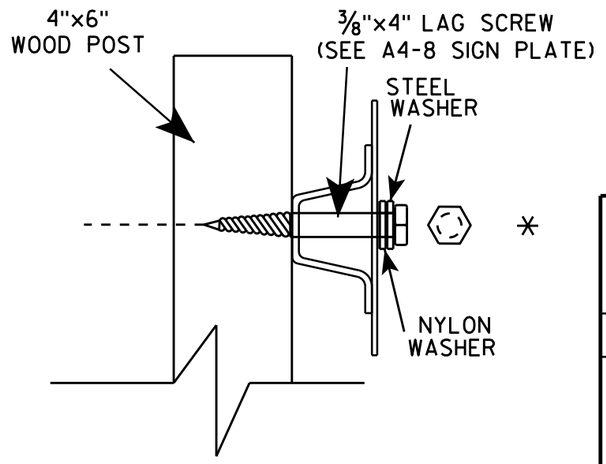


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

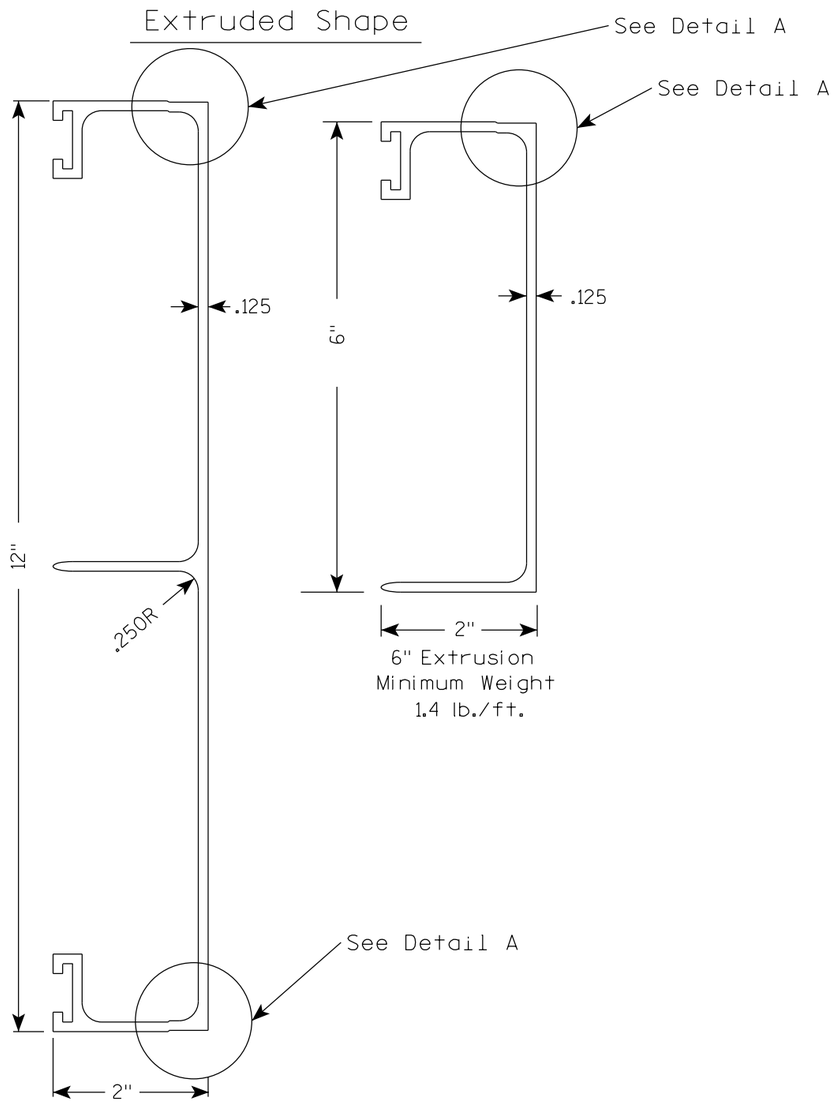
for State Traffic Engineer

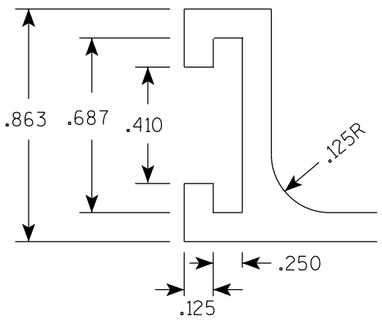
DATE 4/26/16 PLATE NO A4-18.1

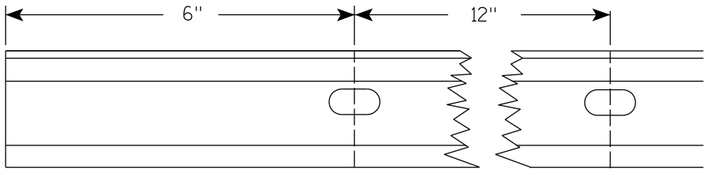
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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

Extruded Shape







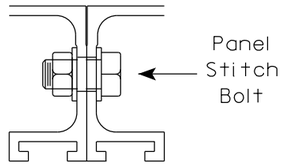
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

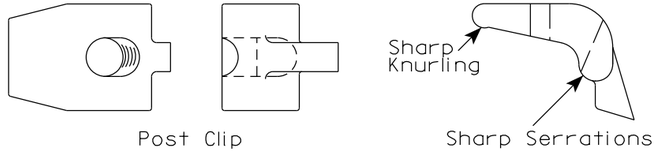
The hardware includes:

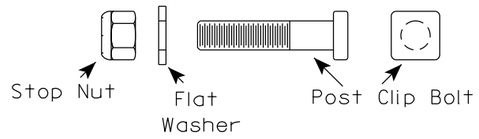
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

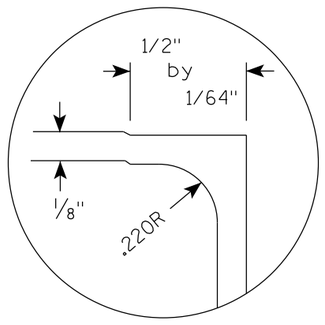
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





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.



DETAIL A (EDGE WRAP JOINT)

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

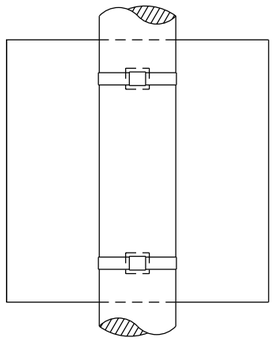
DATE 1/07/20 PLATE NO. A5-2.10

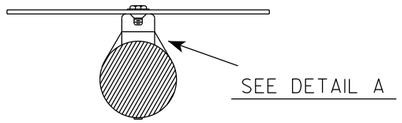
PROJECT NO:

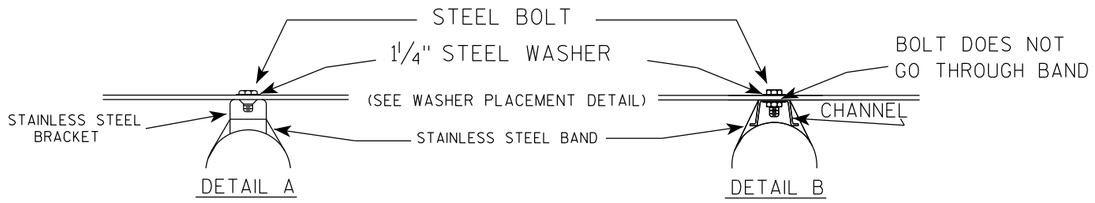
SHEET NO: 543 E

BANDING

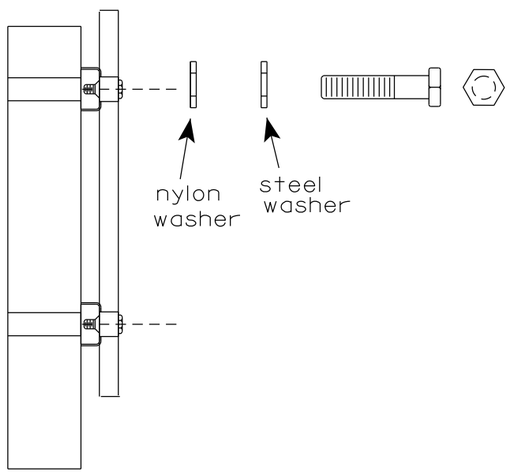
SINGLE SIGN







WASHER PLACEMENT

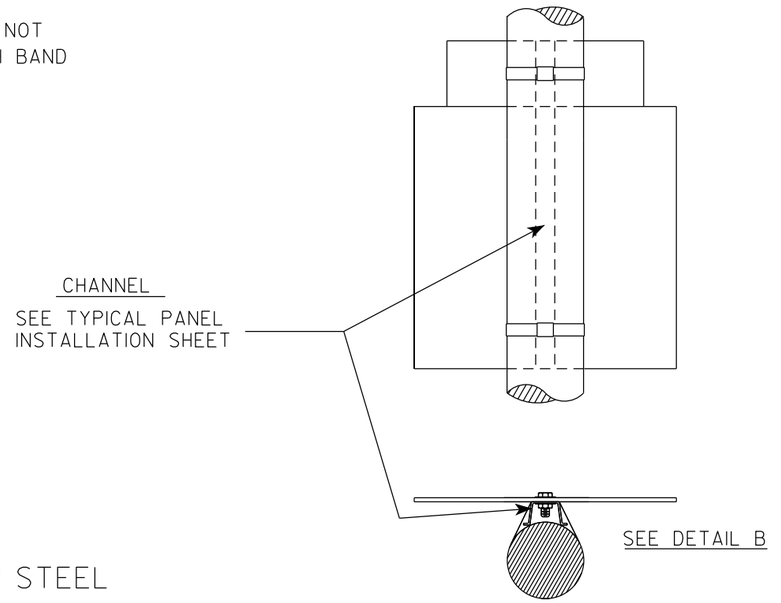


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

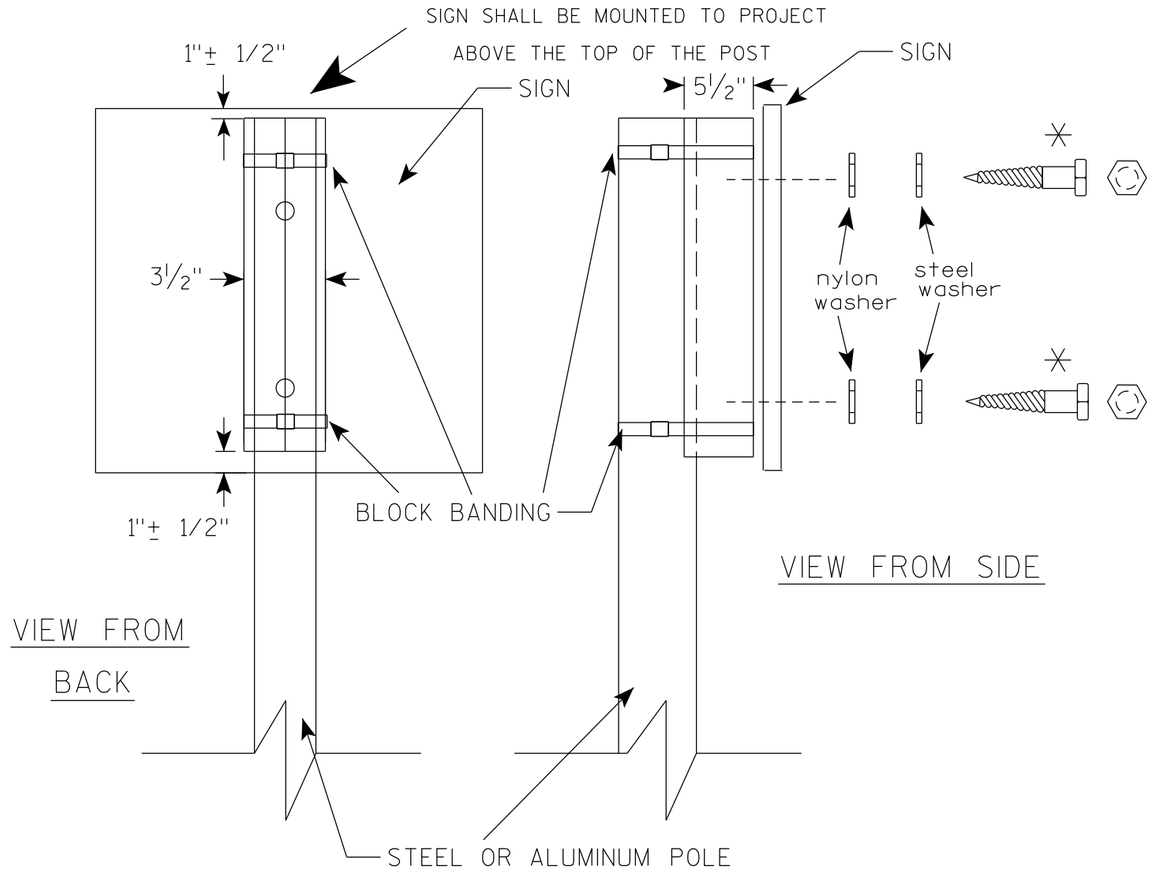
DATE 6/10/19 PLATE NO. A5-9.4

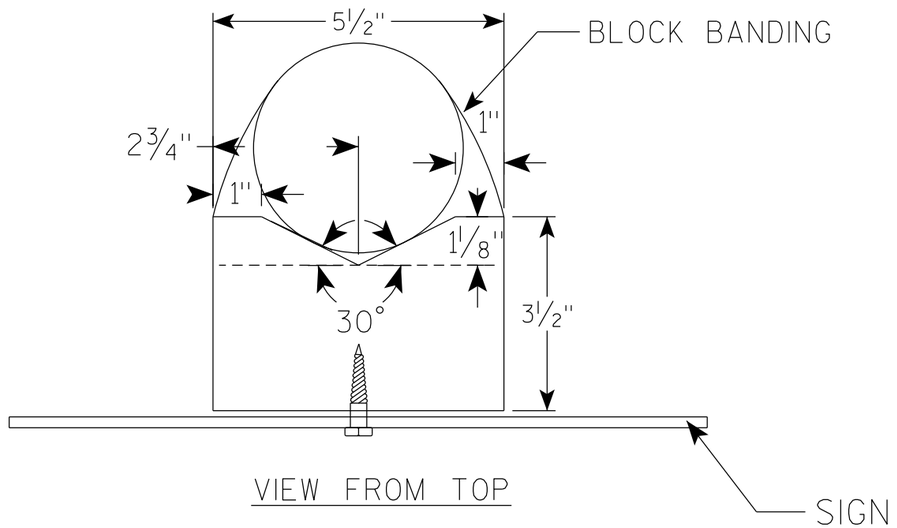
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 544	E

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"

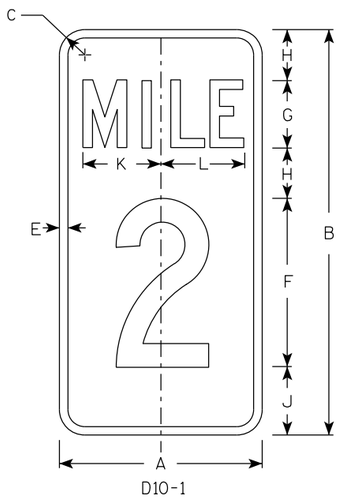
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

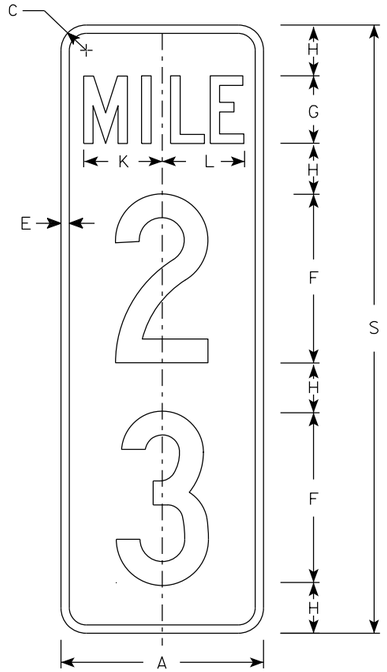
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

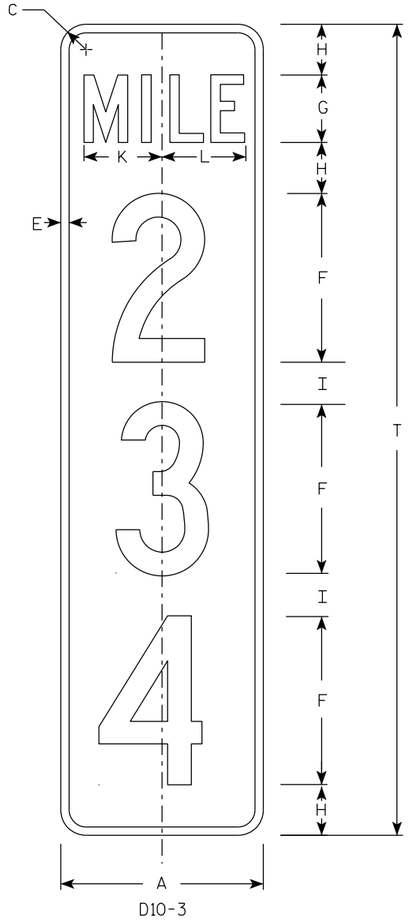
PROJECT NO:				SHEET NO: 545	E



D10-1



D10-2



D10-3

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C
4. Optically adjust numerals about the centerline of the sign 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
1																										
2S																										
2M																										
3																										
4	12	24	1 ½		½	10	4	3	2 ½	4	4 ⅝	4 ⅞							36	48						
5	12	24	1 ½		½	10	4	3	2 ½	4	4 ⅝	4 ⅞							36	48						

D10-1 Area sq. ft.	D10-2 Area sq. ft.	D10-3 Area sq. ft.
2.0	3.0	4.0
2.0	3.0	4.0

STANDARD SIGN
D10-1 , D10-2 & D10-3

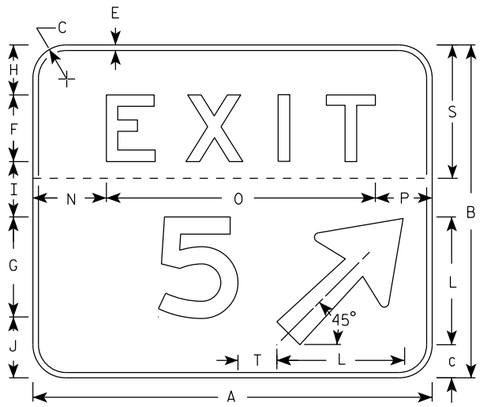
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

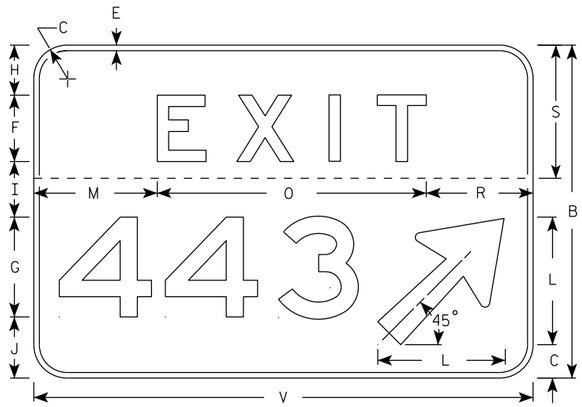
DATE 3/09/2021 PLATE NO. D10-3.3

PROJECT NO:

SHEET NO: 546 E

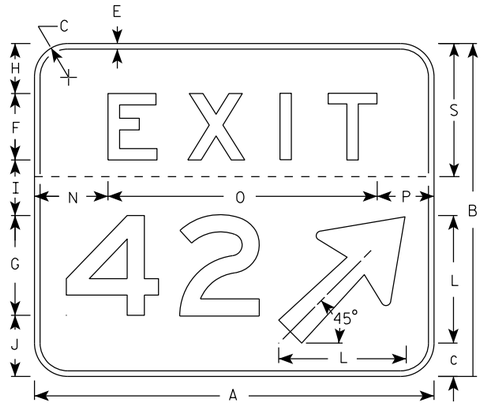


NOTE: T diminision shall be measured from the back of the number to the front of the arrow

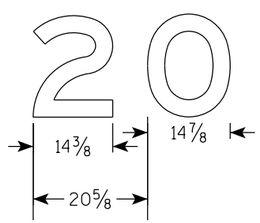


NOTES

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

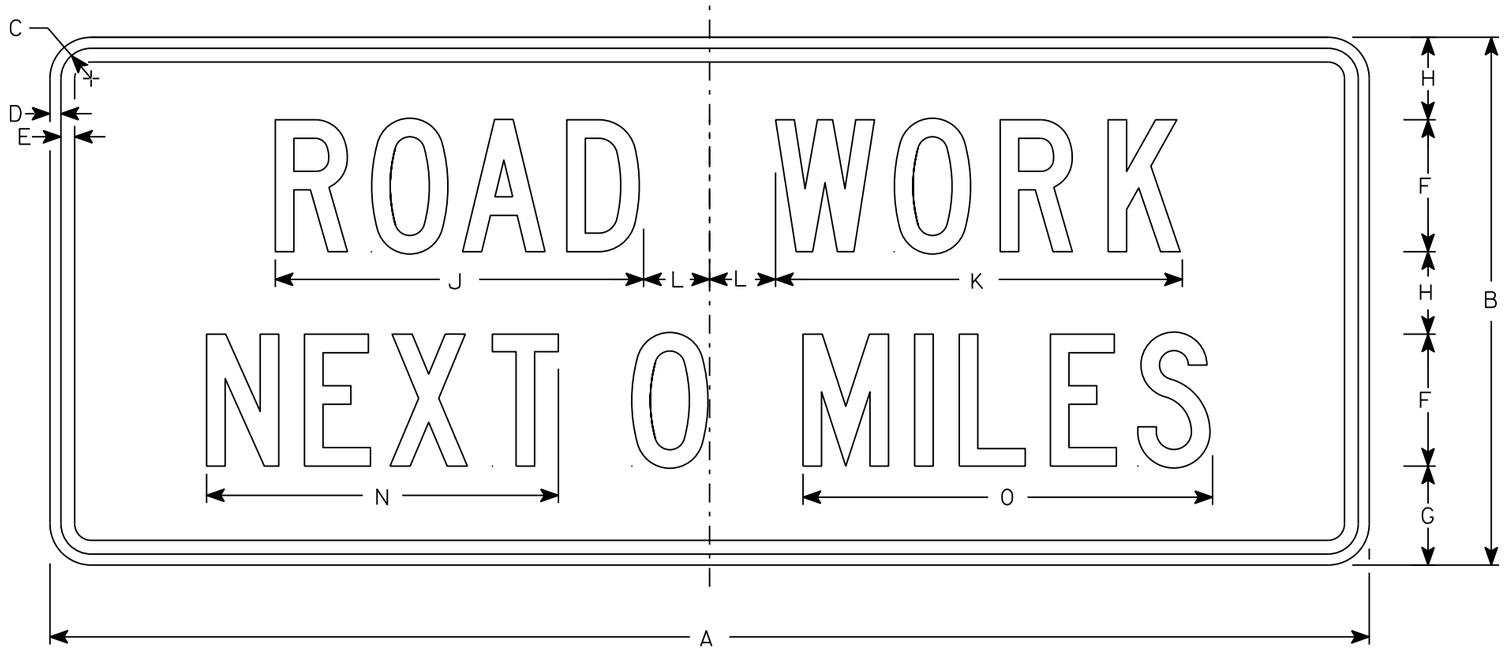
STANDARD SIGN
E5-1A

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: 547	E



G20-1

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.
5. Round distance to nearest whole Mile and 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																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
5																											

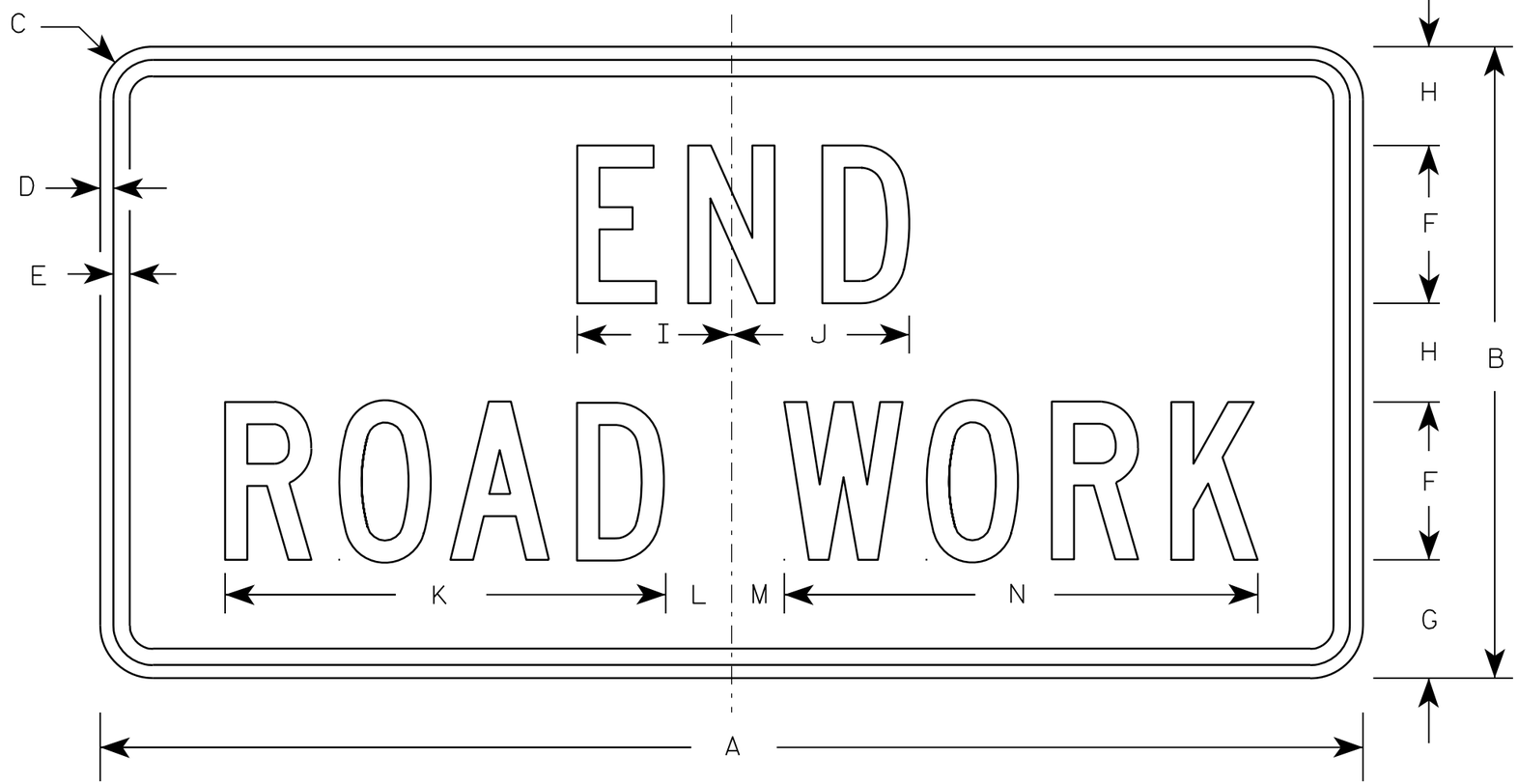
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 548 | 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

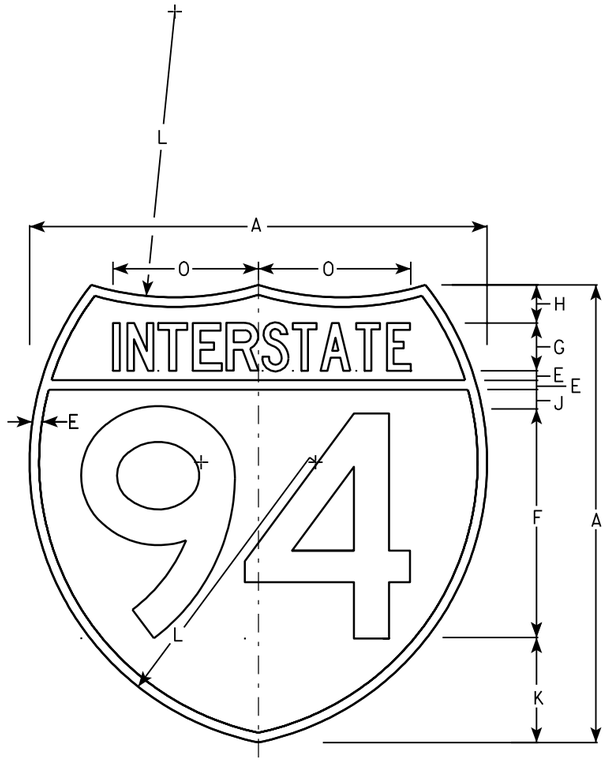
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

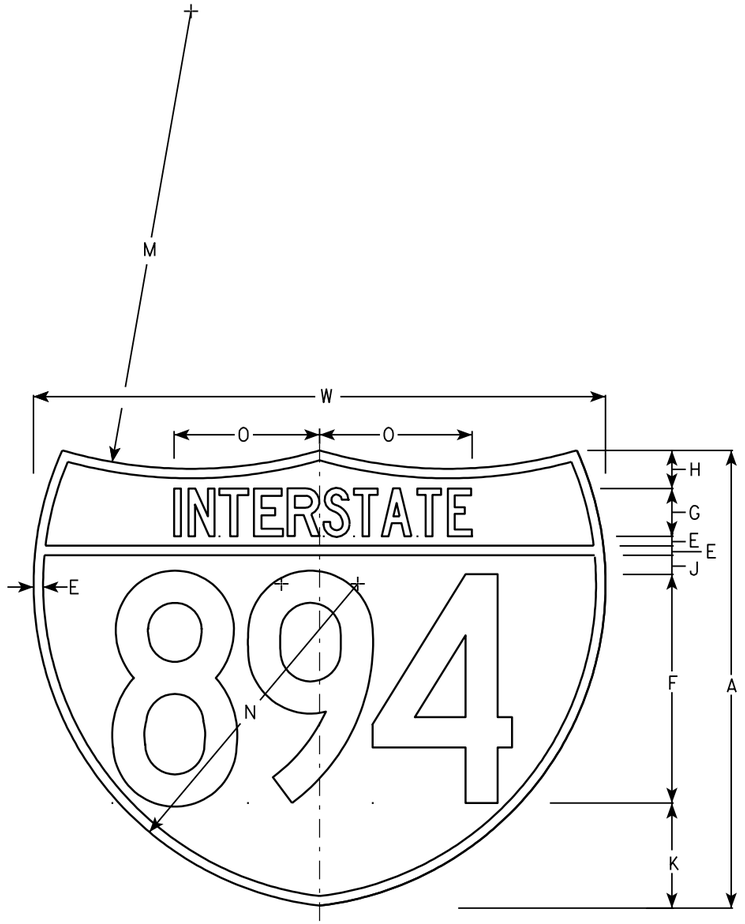
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 549	E



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

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

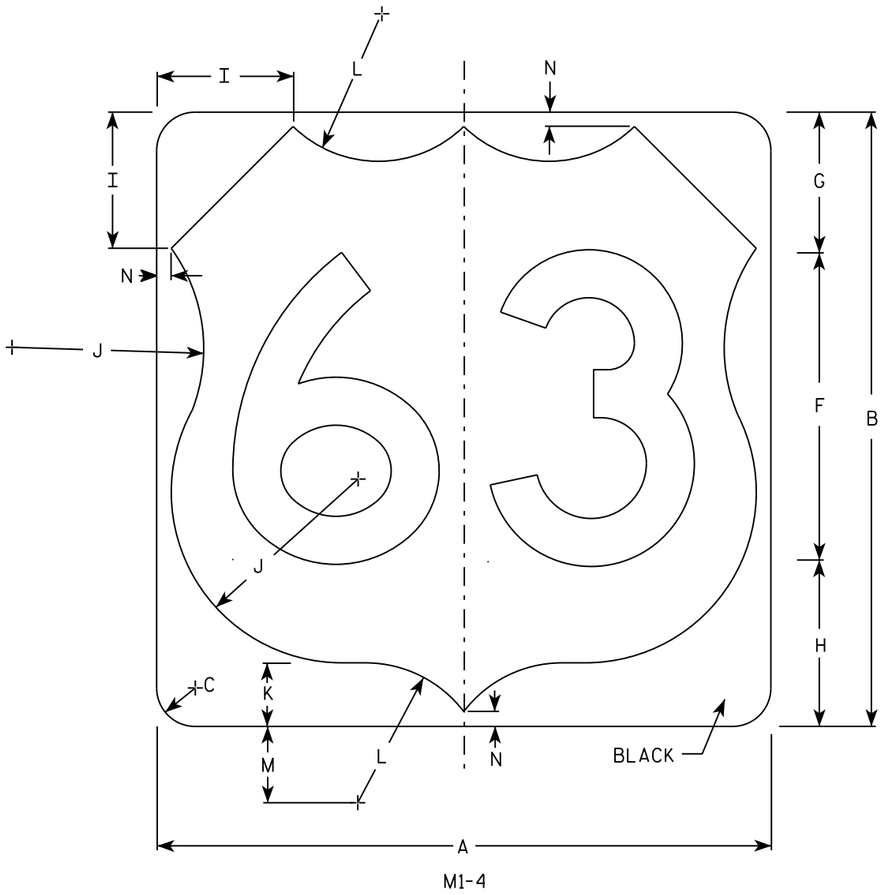
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

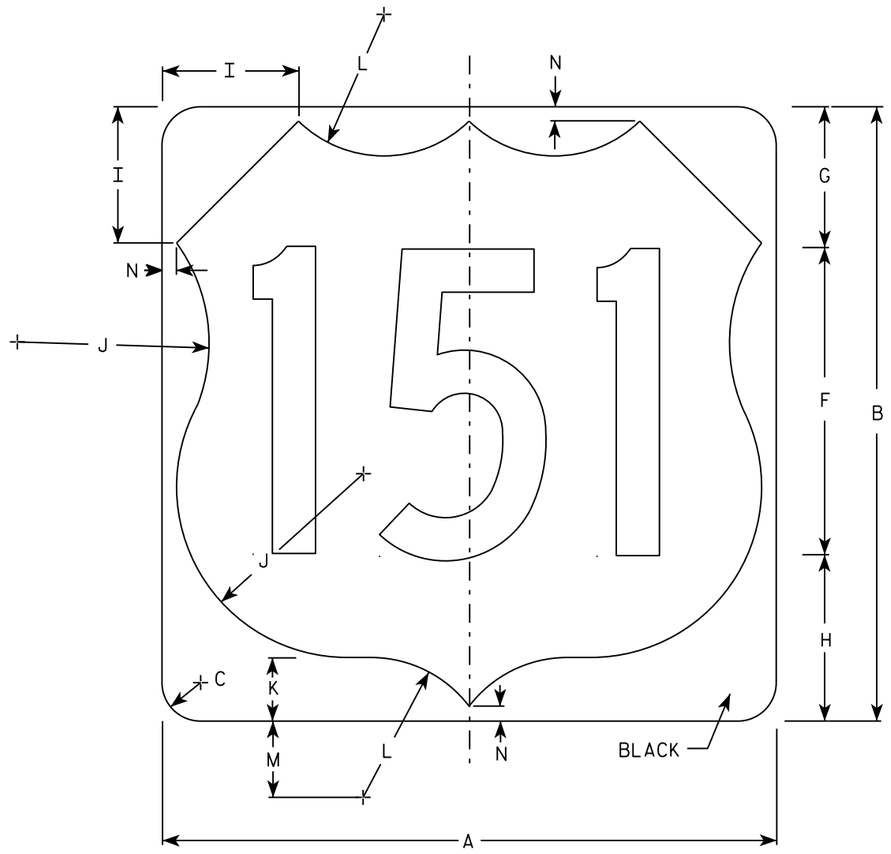
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 550	E

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.



M1-4



M1-4

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	Area Sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

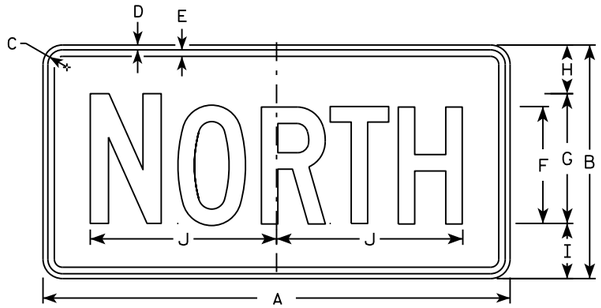
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

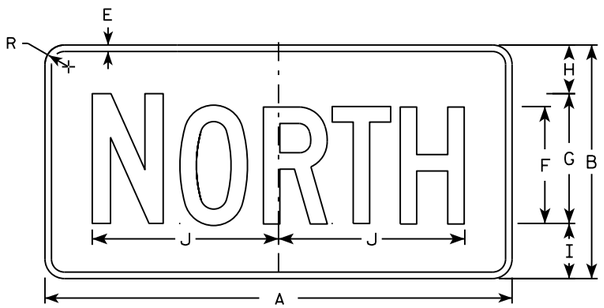
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 551	E



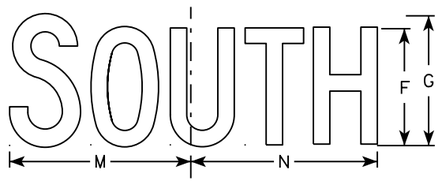
M3-1
MM3-1
MP3-1



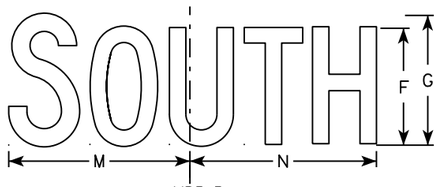
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

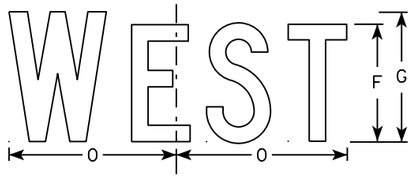
MB3-2
MK3-2
MN3-2



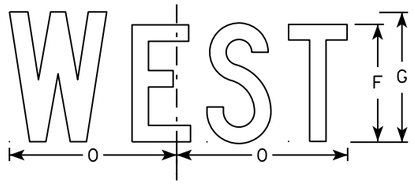
M3-3
MM3-3
MP3-3



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

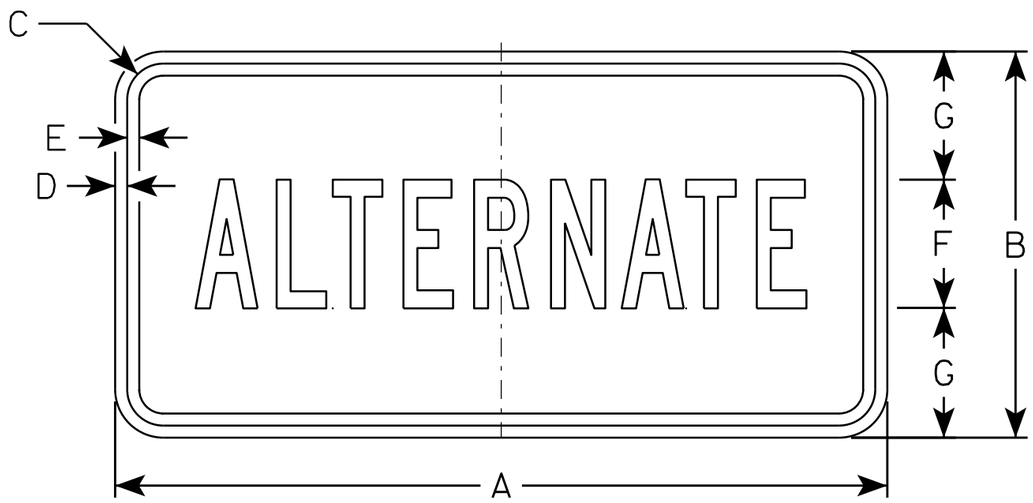
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

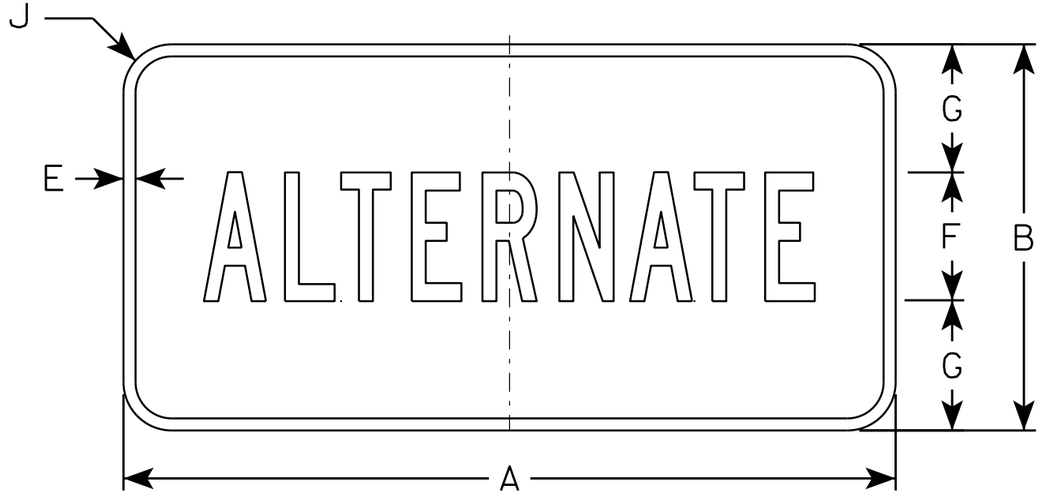
DATE 10/15/15 PLATE NO M3-1.14

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

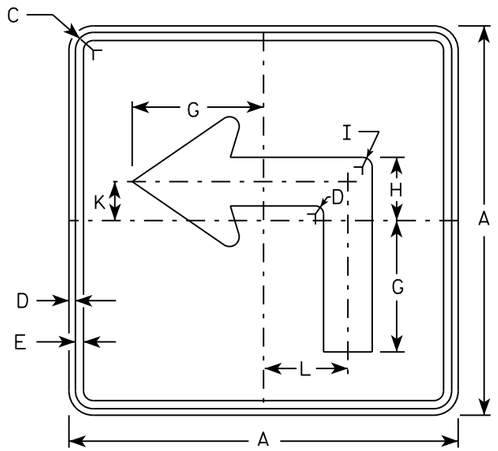
STANDARD SIGN
M4-1

WISCONSIN DEPT OF TRANSPORTATION

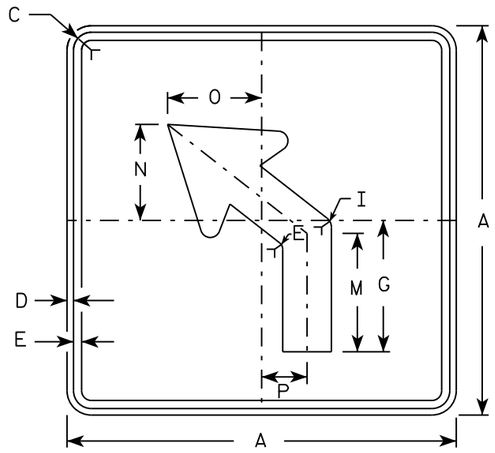
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/14 PLATE 553 '14-1.8

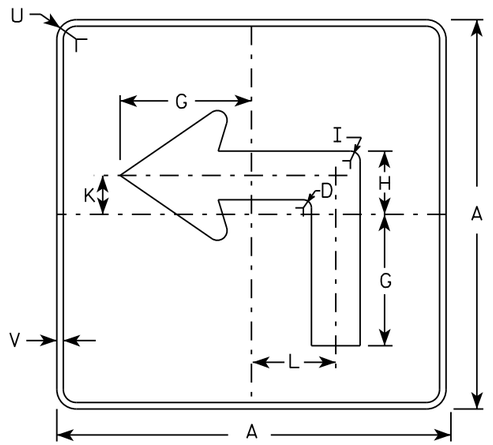
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



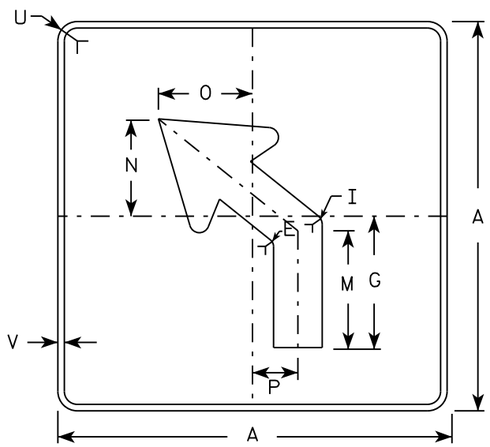
M5-1L
MM5-1L
MO5-1L
MP5-1L



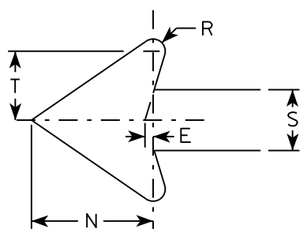
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

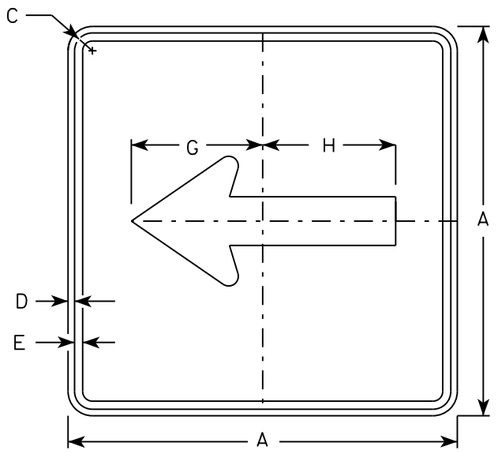
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

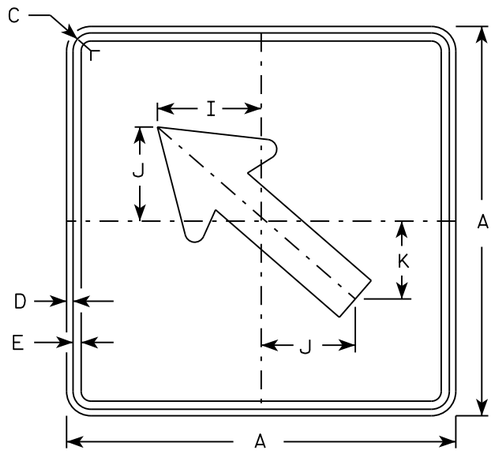
DATE 10/15/15 PLATE NO. M5-1.13

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



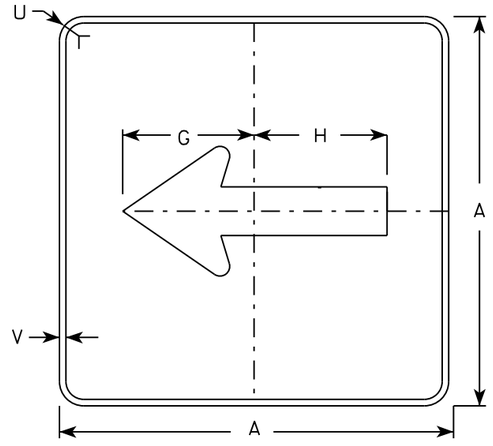
M6-1
MM6-1
MO6-1
MP6-1



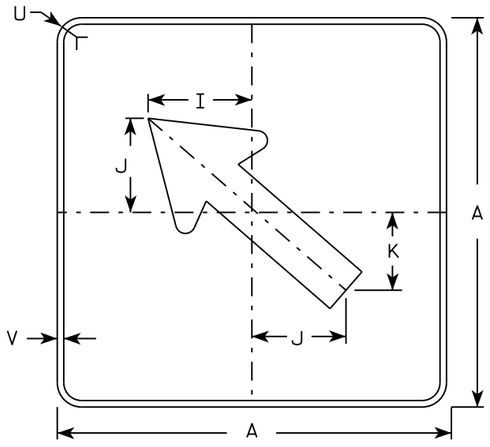
M6-2
MM6-2
MO6-2
MP6-2

NOTES

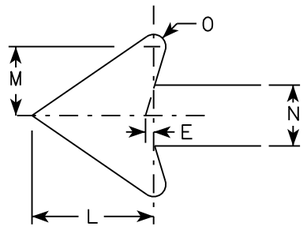
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

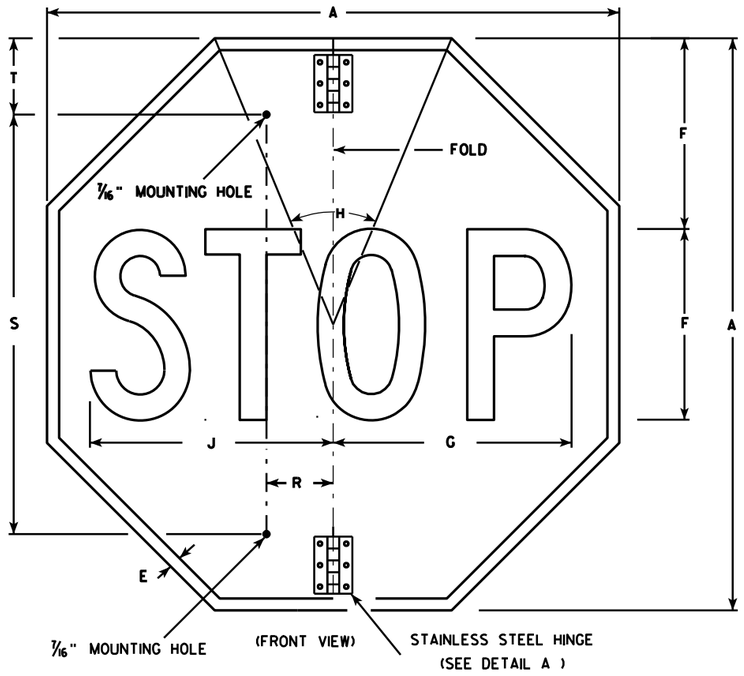
WISCONSIN DEPT OF TRANSPORTATION

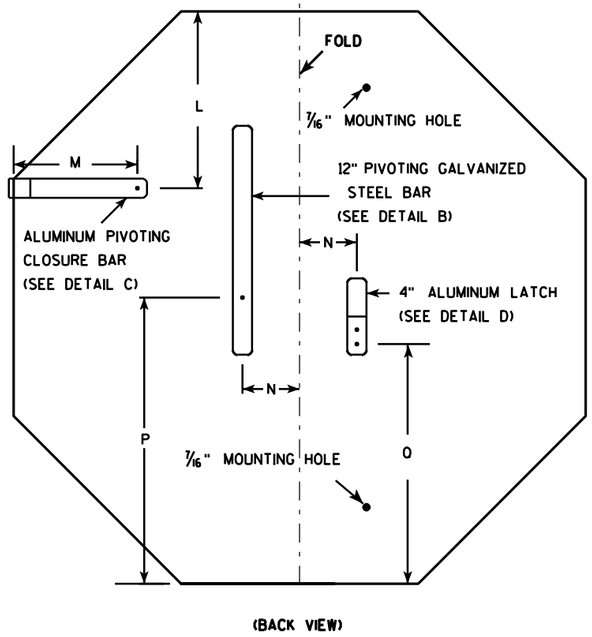
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLAT 555 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

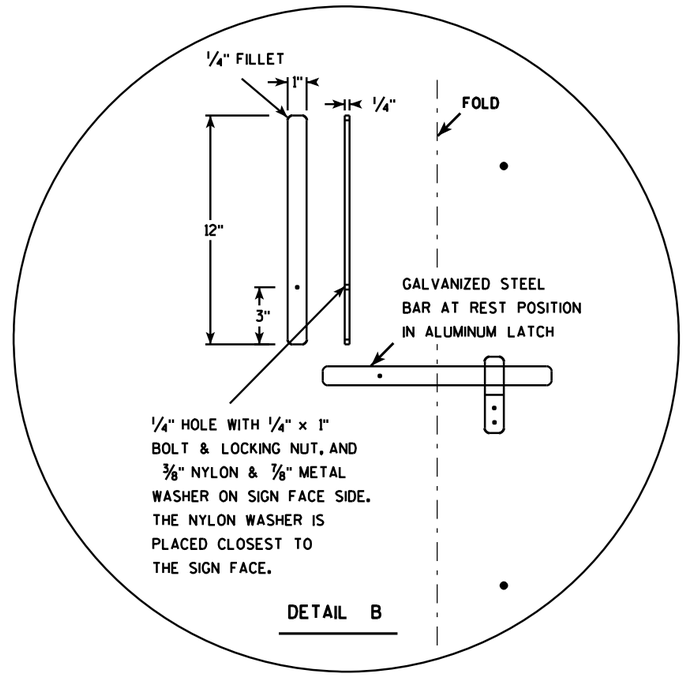
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000

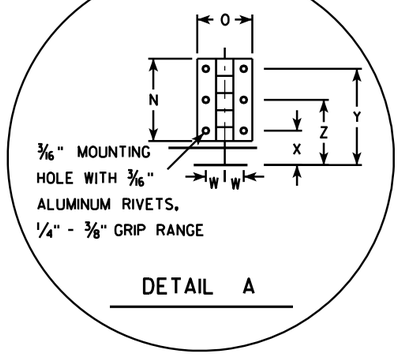


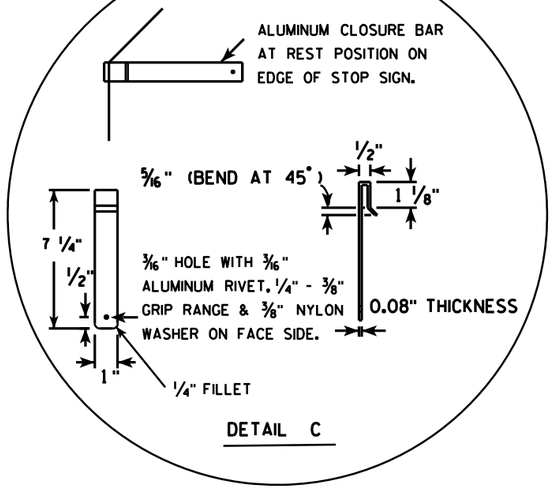


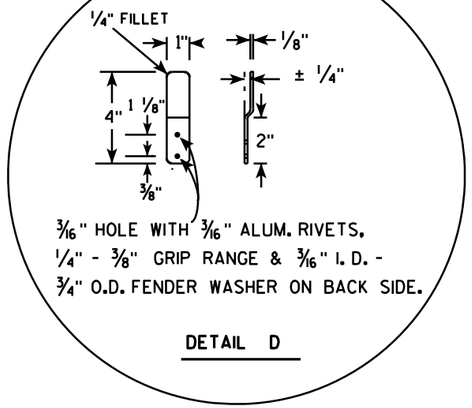
NOTES

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
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.









SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

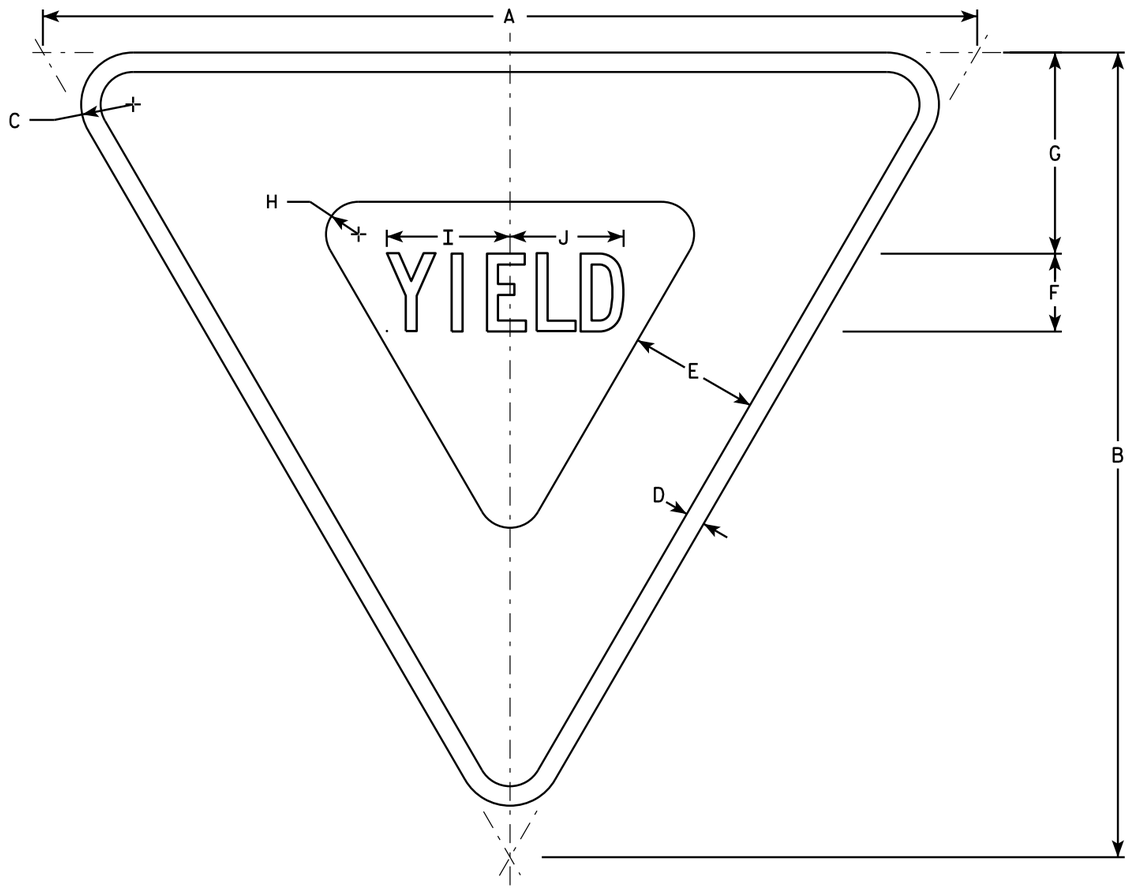
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 556	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

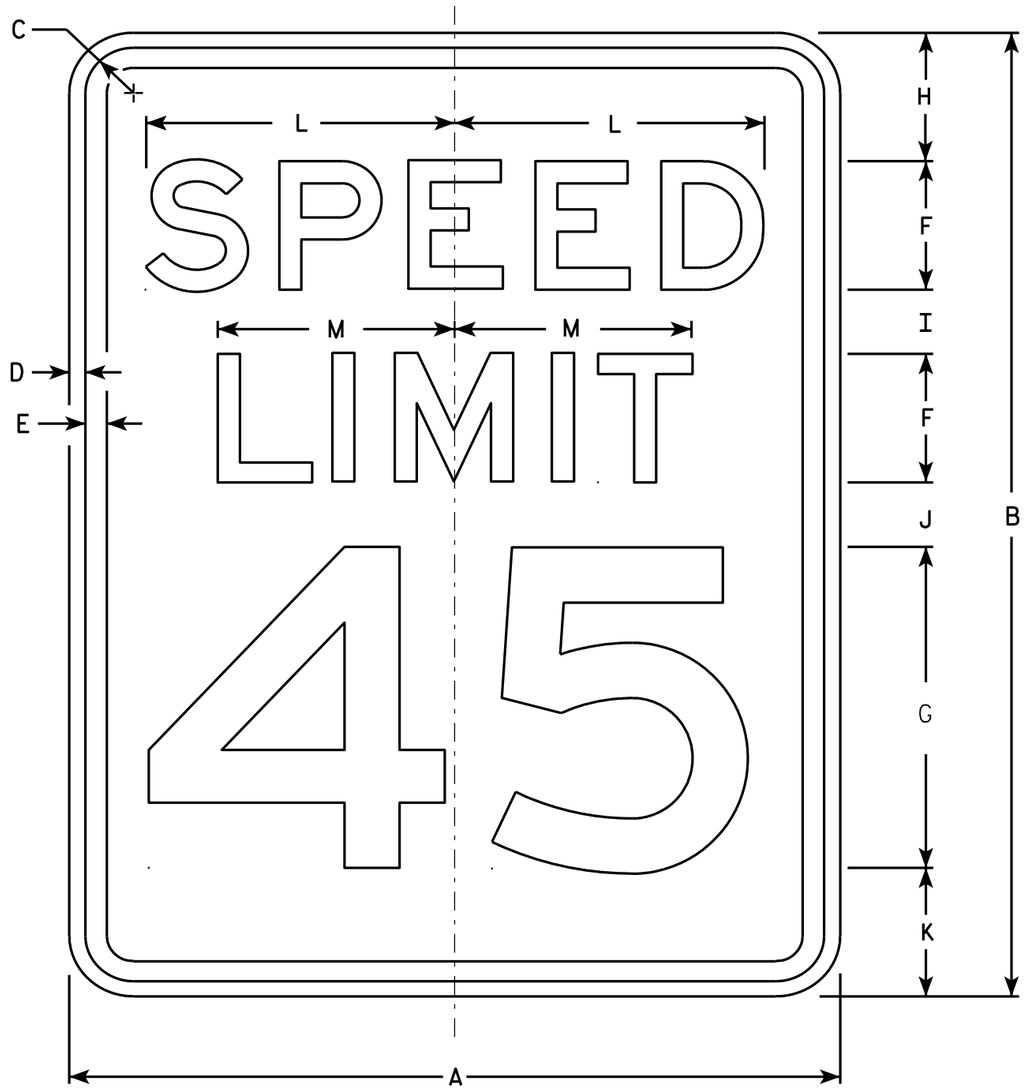
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



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

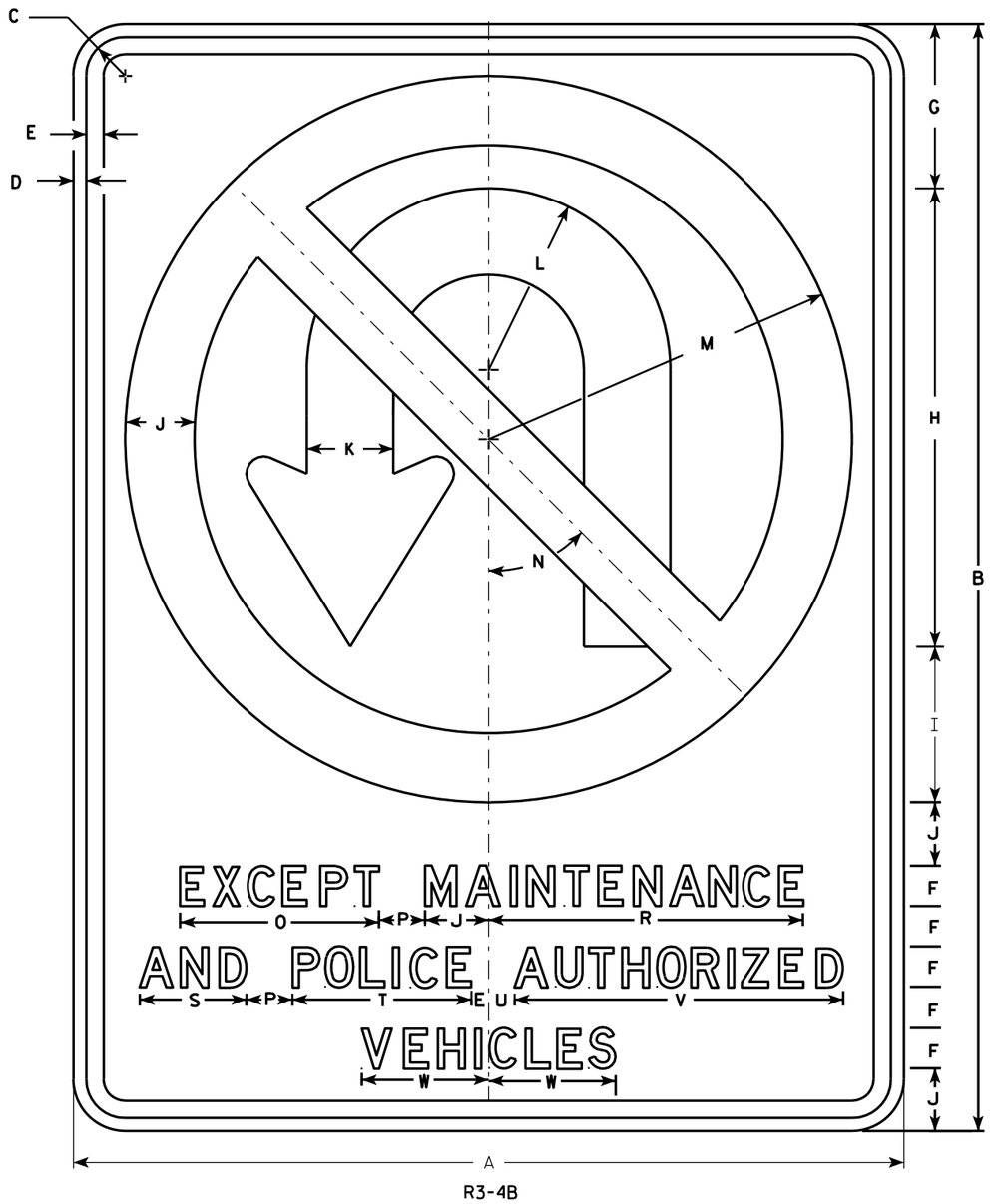
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 558 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000

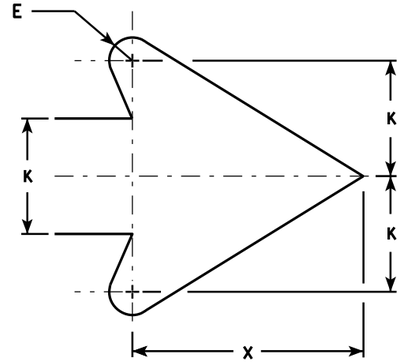
WISDOT/CADDS SHEET 42



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

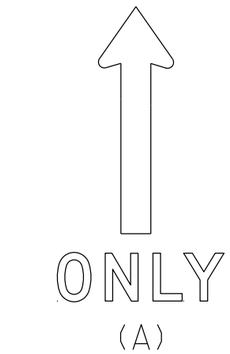
STANDARD SIGN
R3-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

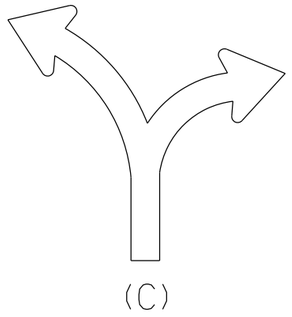
DATE 3/17/2011 PLATE NO. R3-4B.2

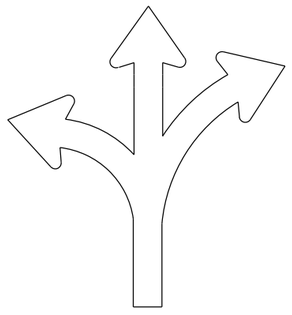
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 559	E

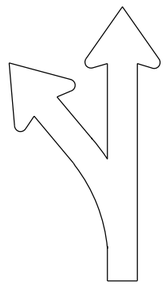


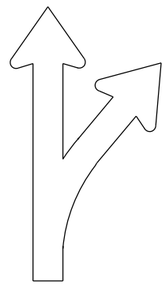
(A)

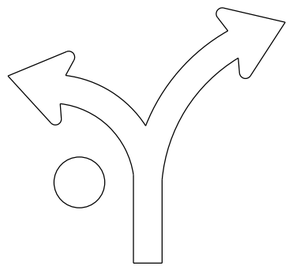
(B)

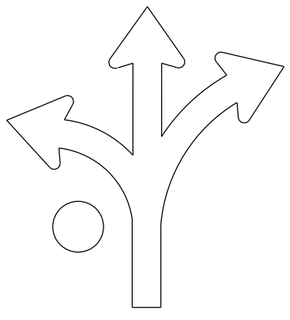

(C)

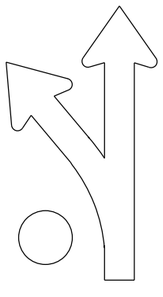

(D)

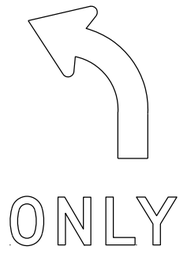

(E)


(F)

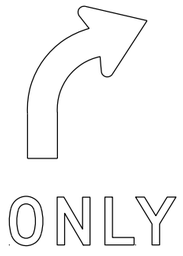

(G)


(H)

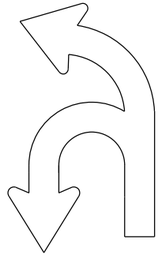

(I)



(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

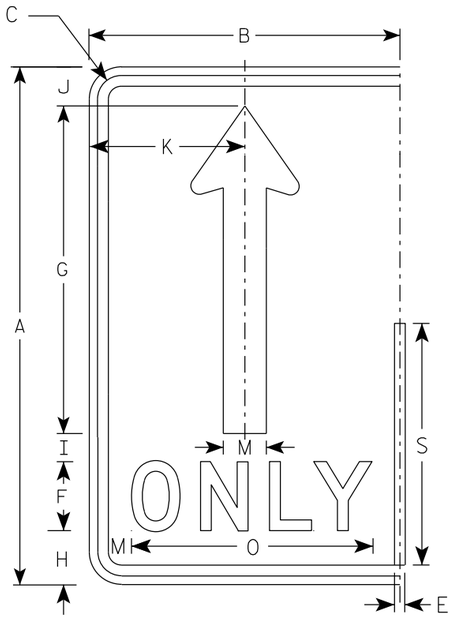
7

PROJECT NO:

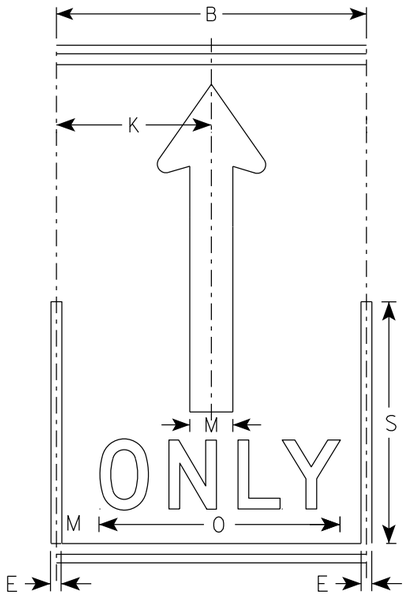
SHEET NO: 560 E

NOTES

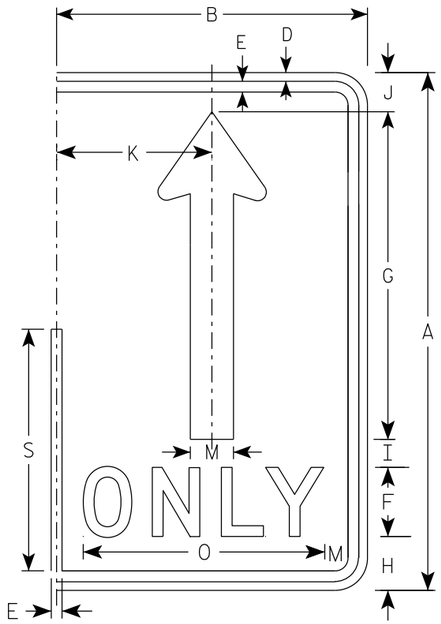
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



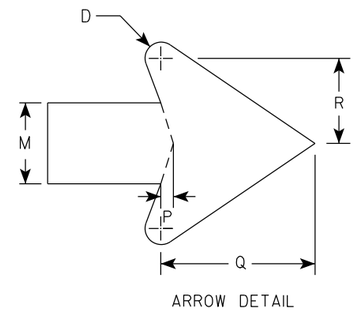
(A)



(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

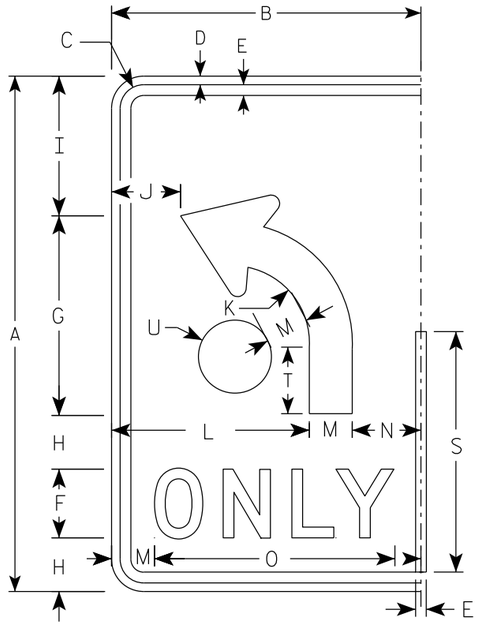
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

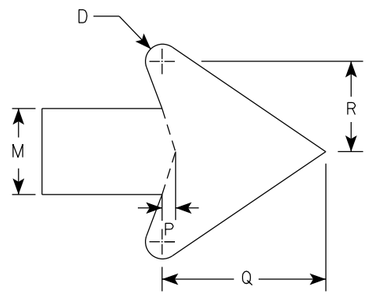
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 561 | E

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

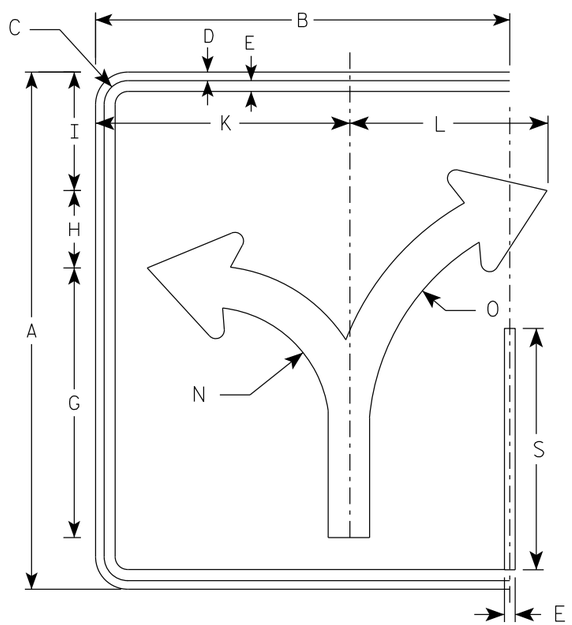
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

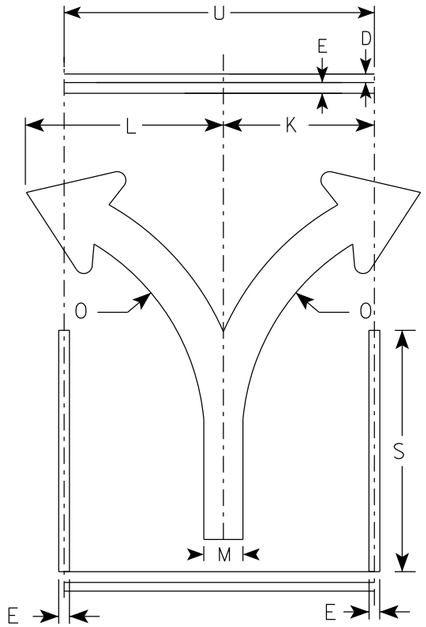
SHEET NO: 562 E

NOTES

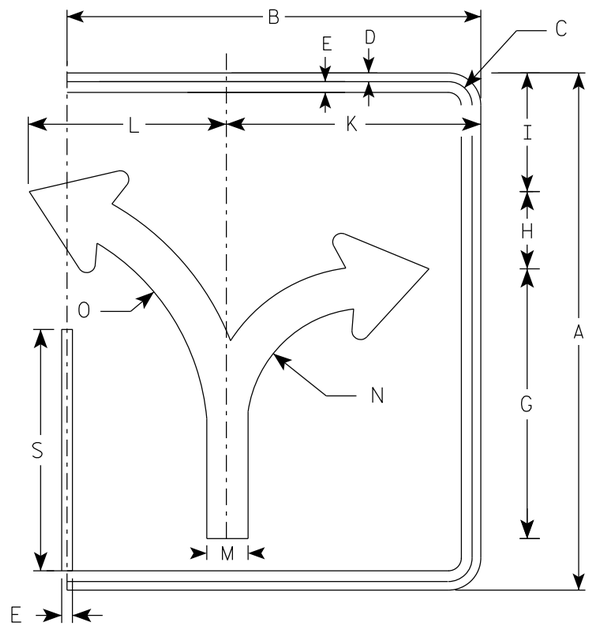
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



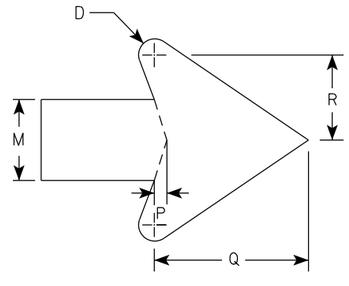
(C)



(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

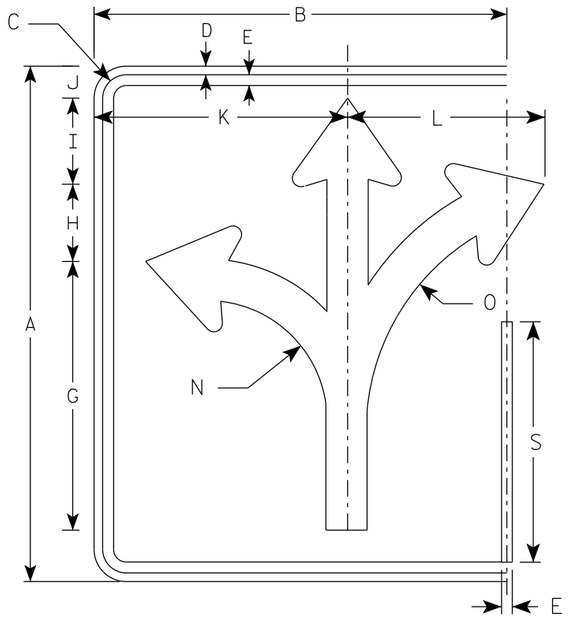
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

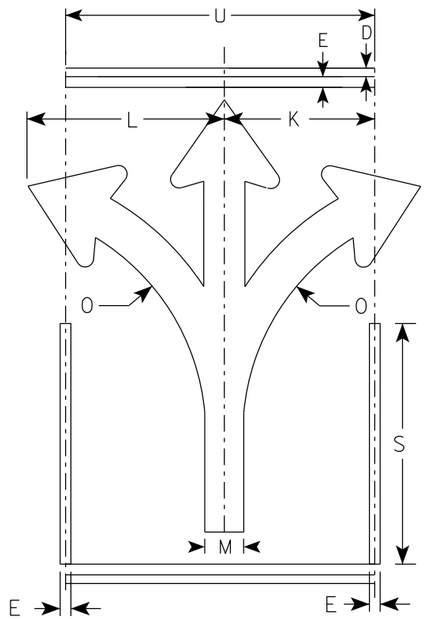
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 563 | E

NOTES

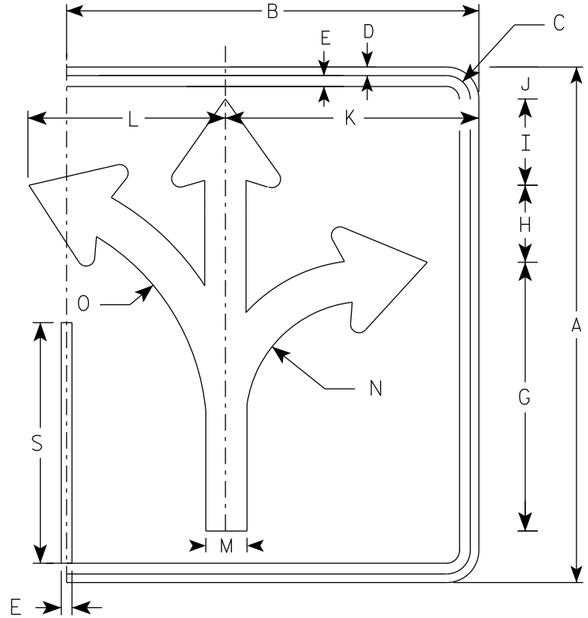
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



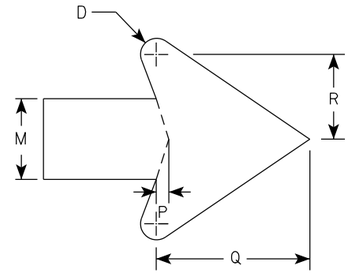
(D)



(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

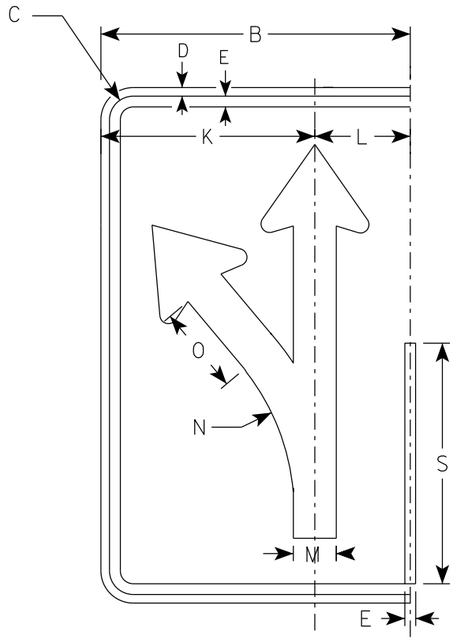
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

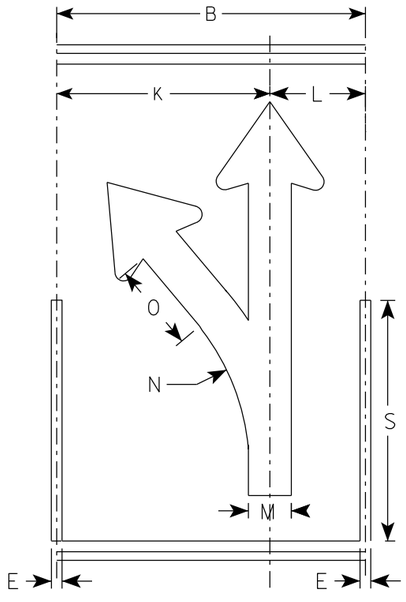
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 564 | E

NOTES

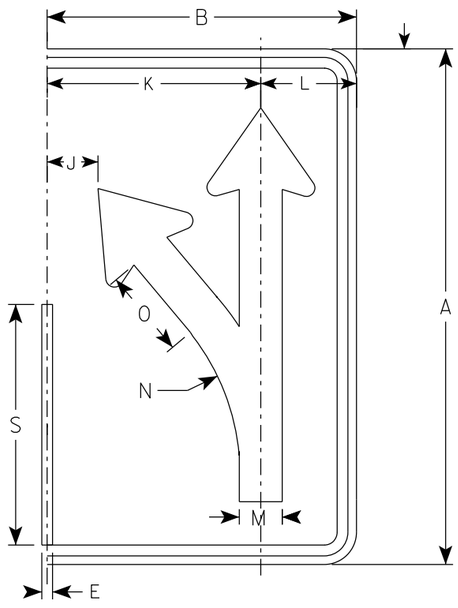
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



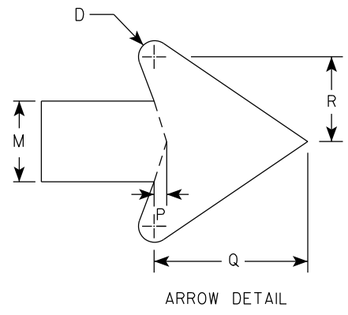
(E)



(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

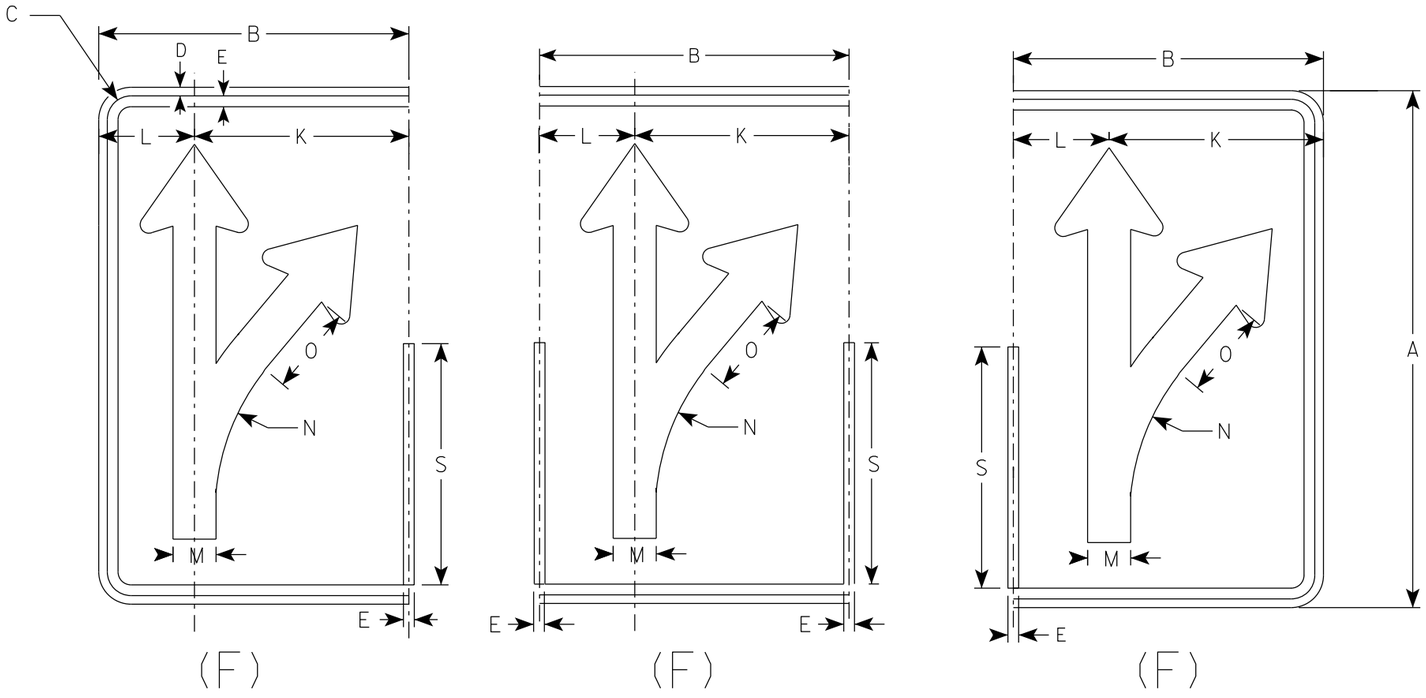
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

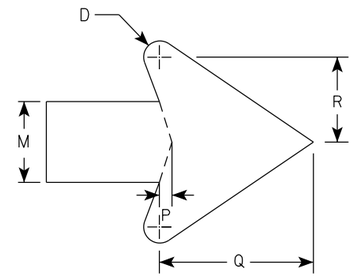
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 565 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(F) (F) (F)



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

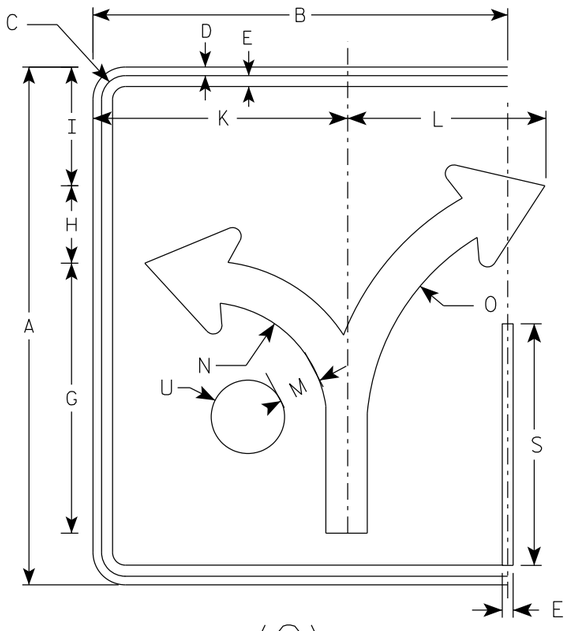
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

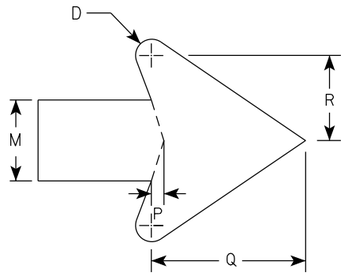
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 566 | E

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

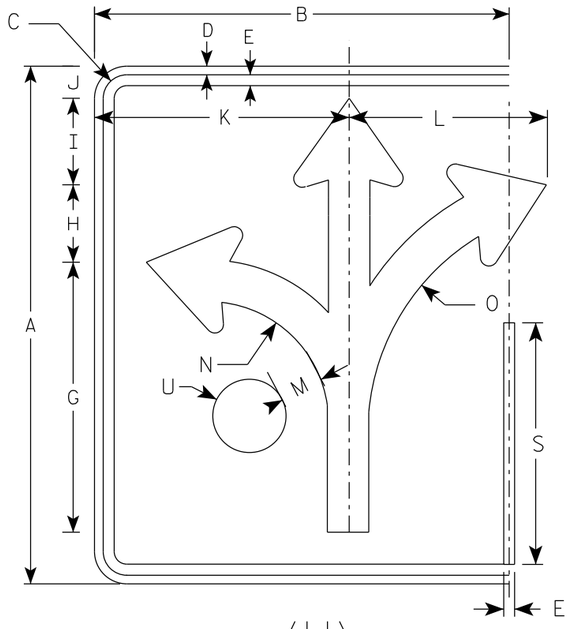
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

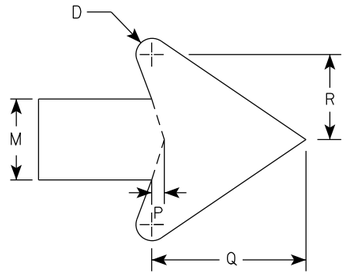
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 567 | E

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

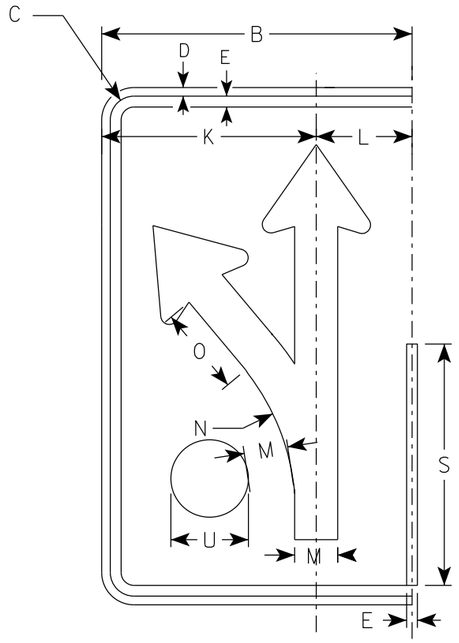
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

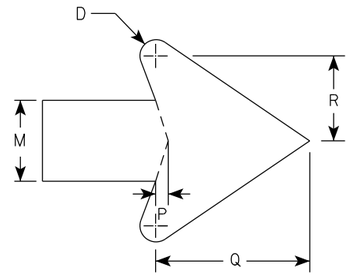
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 568	E

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

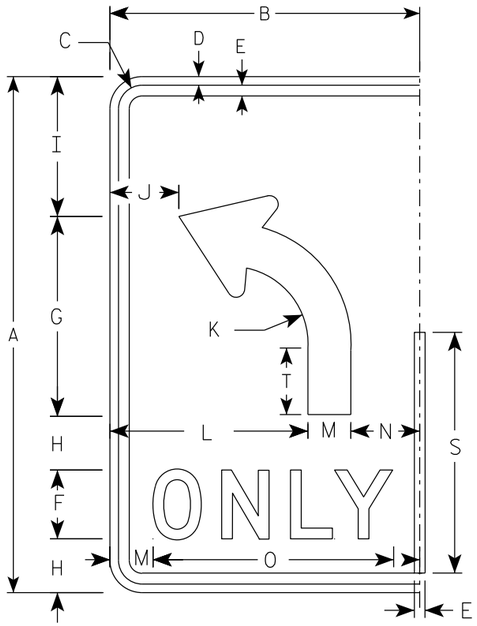
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

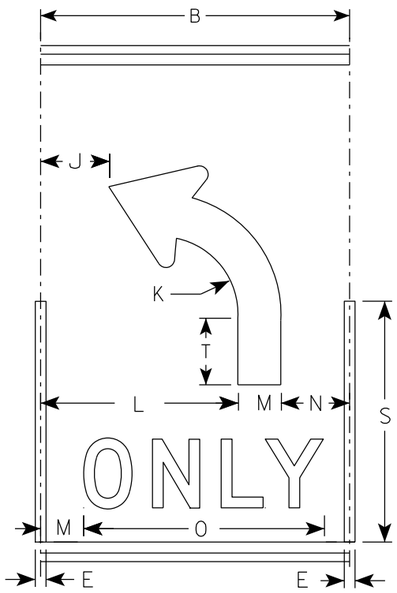
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 569 | E

NOTES

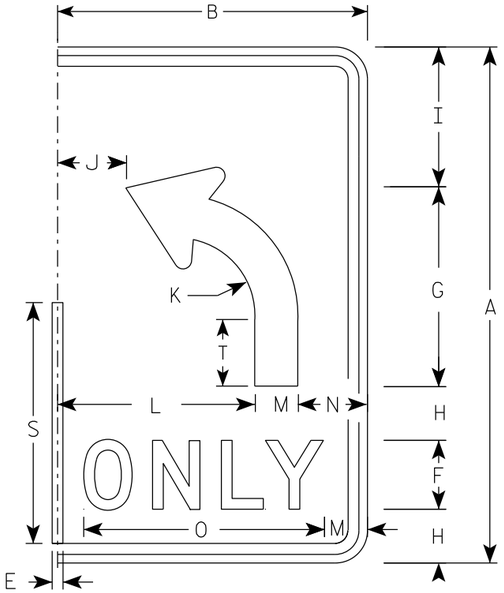
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



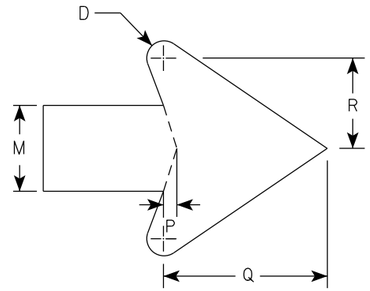
(L)



(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

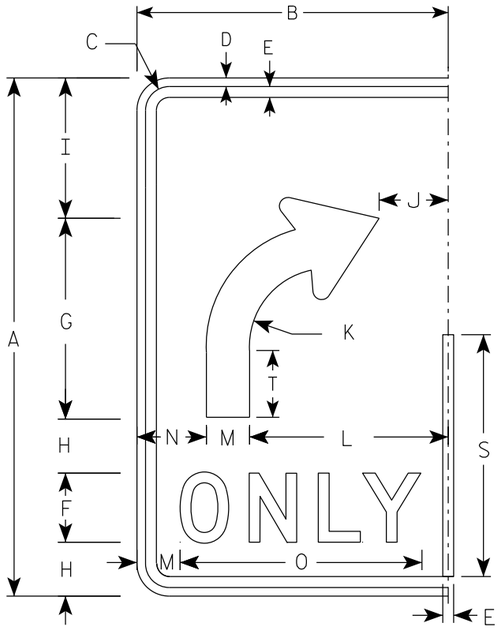
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

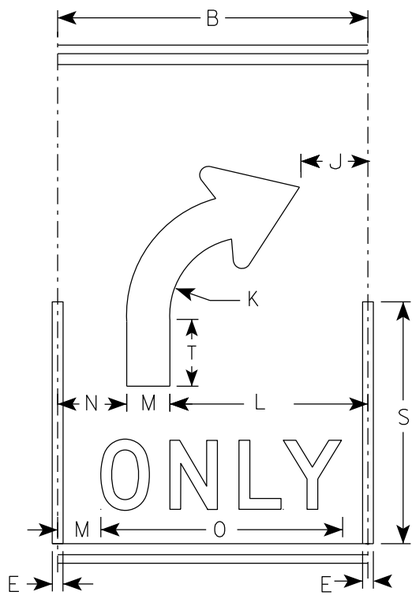
SHEET NO: 570 E

NOTES

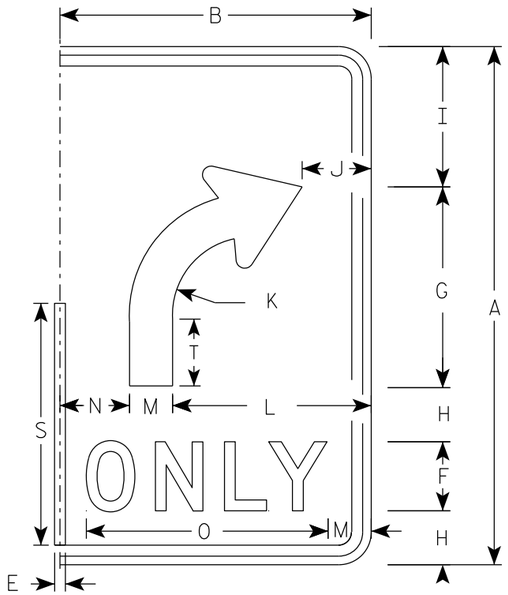
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



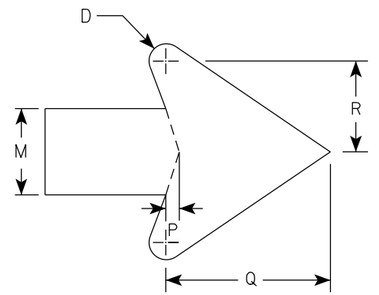
(R)



(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

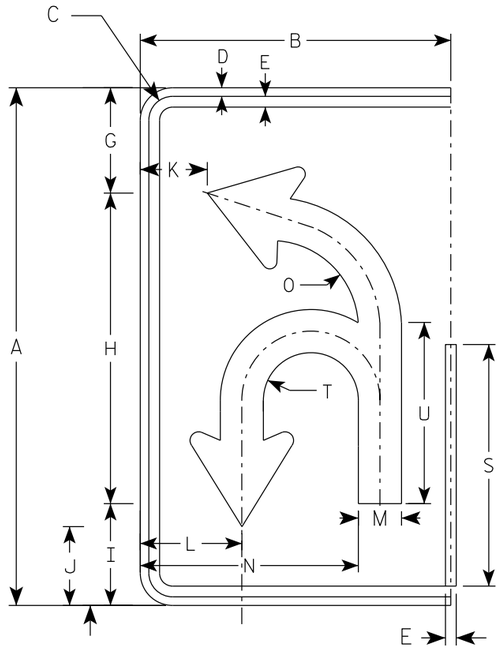
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

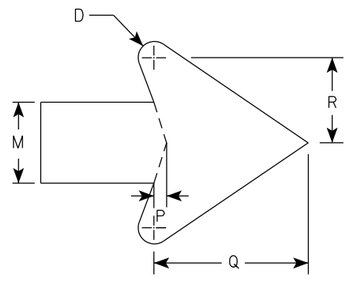
SHEET NO: 571 **E**

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

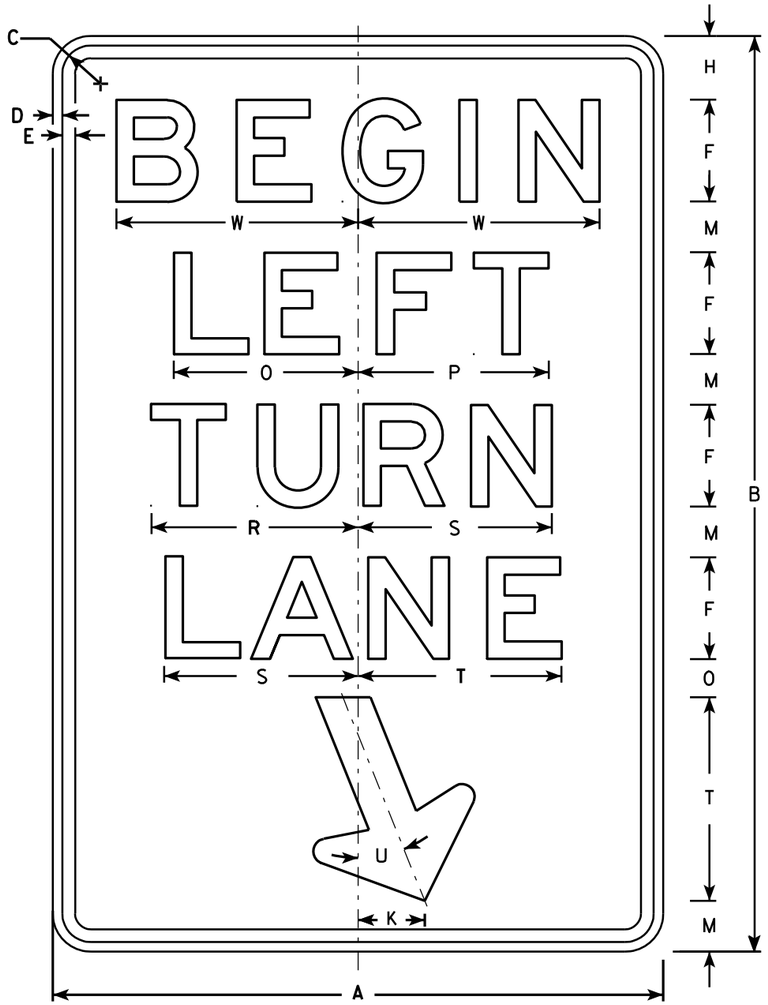
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

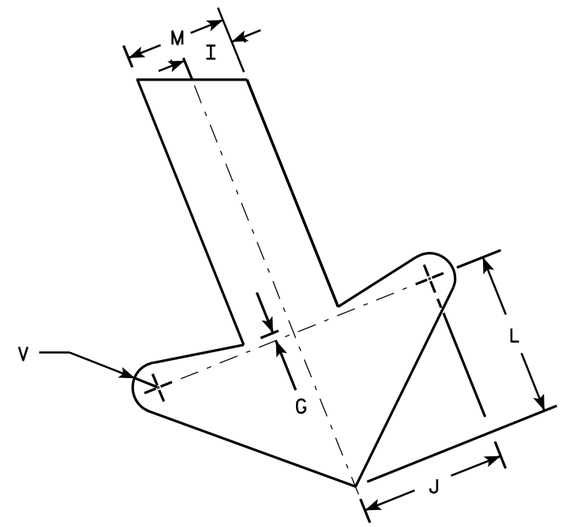
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 572 | E



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																											

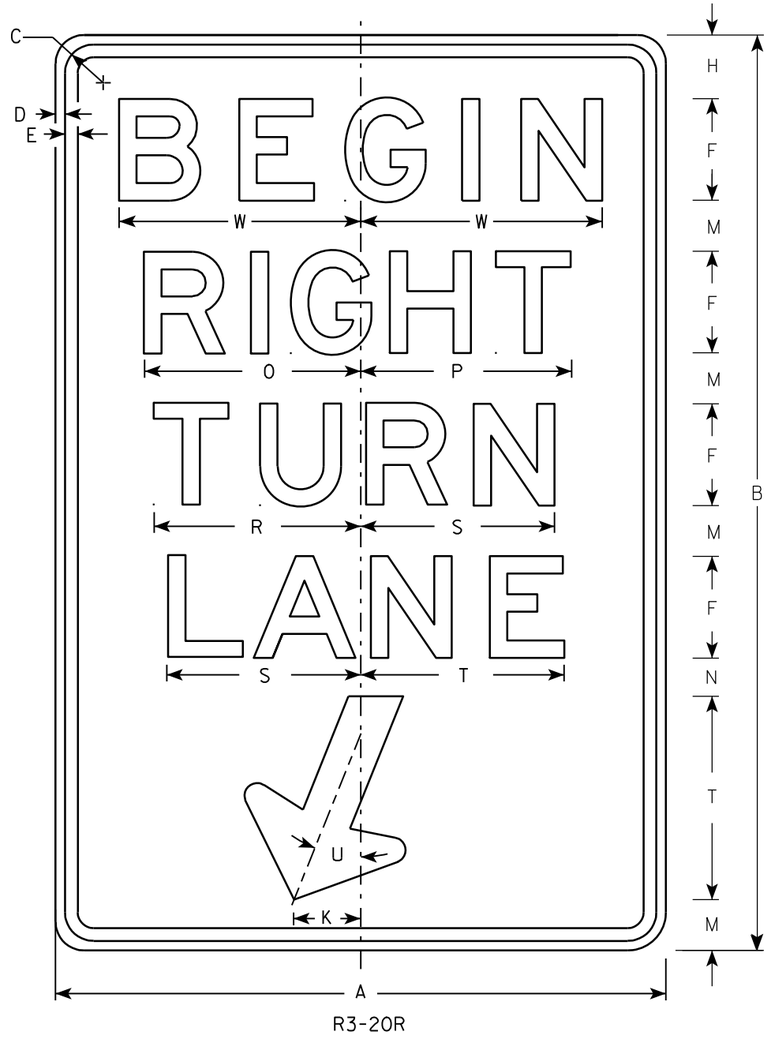
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

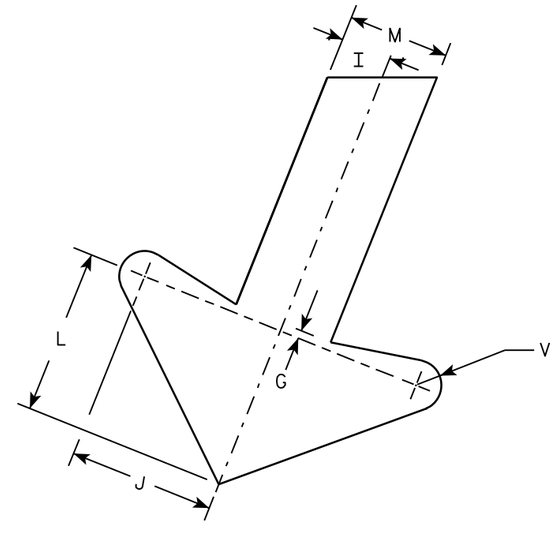
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 573 | E



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																											

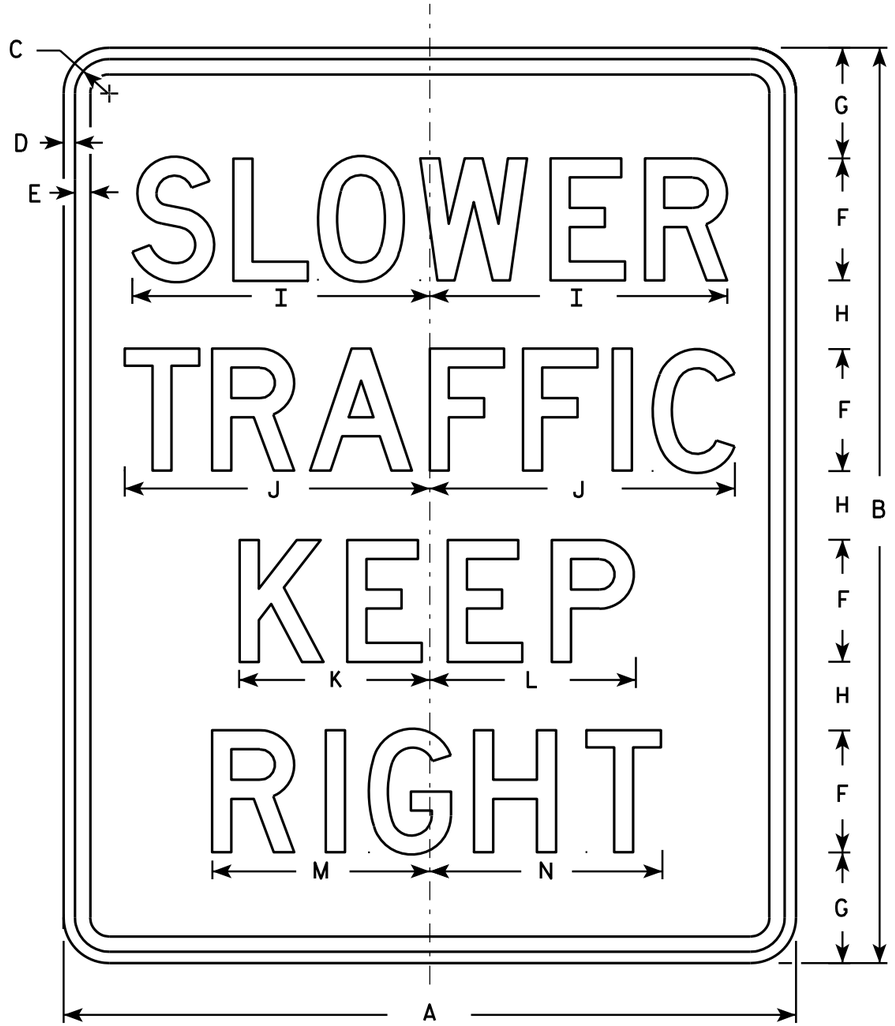
STANDARD SIGN
R3-20R

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: 574 | 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

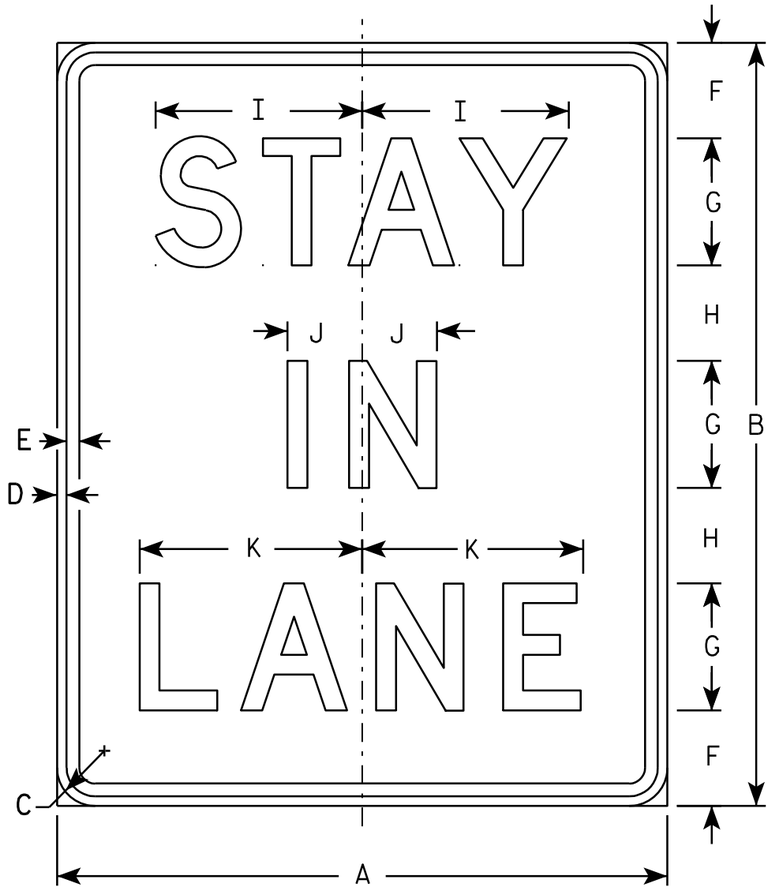
PROJECT NO: | SHEET NO: 575 | E

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



R4-9

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 - 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	18	24	1 1/8	3/8	3/8	3	4	3	6 1/2	2 3/8	7																3.0
2S	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
2M	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
3	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
4	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
5	48	60	2 1/4	3/4	1	7 1/2	10	7 1/2	16 1/4	5 7/8	17 1/2																20.0

STANDARD SIGN
R4-9

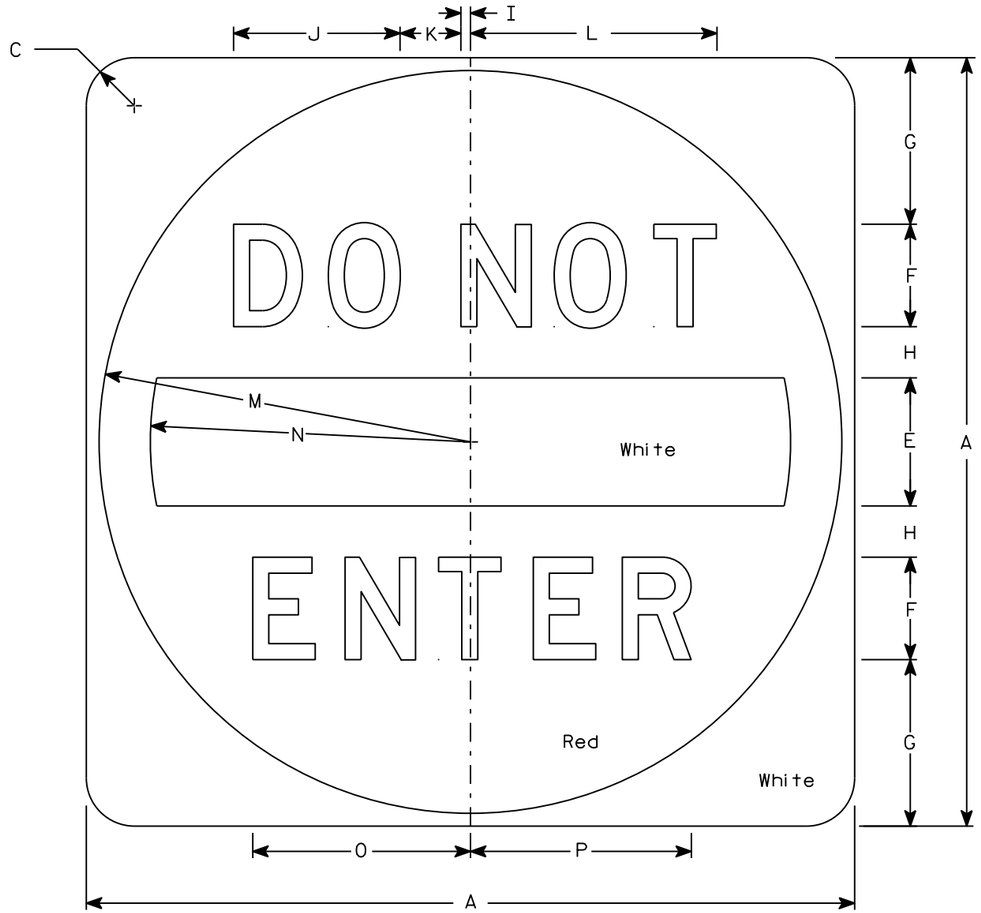
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-9.2

PROJECT NO:

SHEET NO: 576 E



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

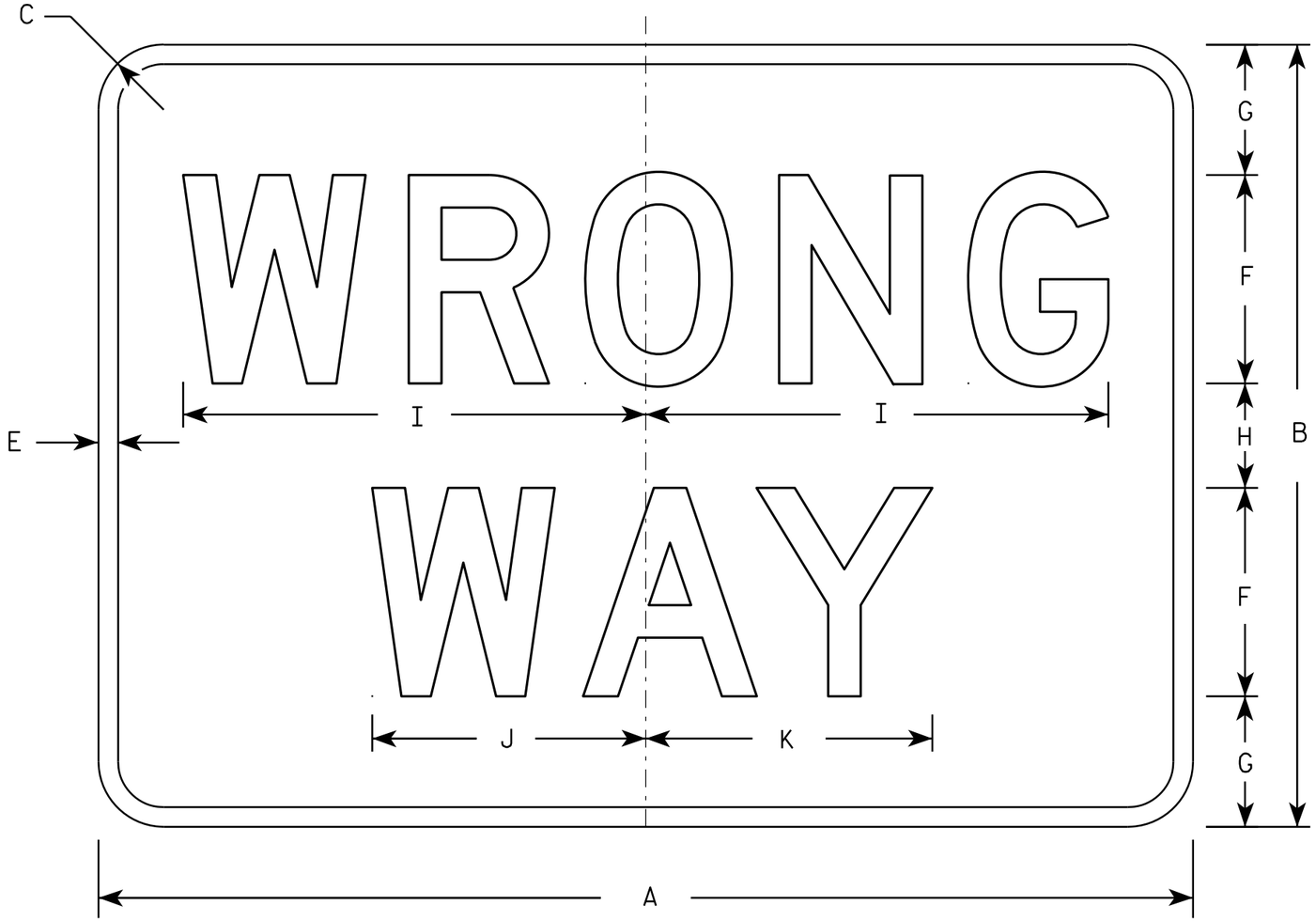
STANDARD SIGN
R5-1

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: 577 | 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

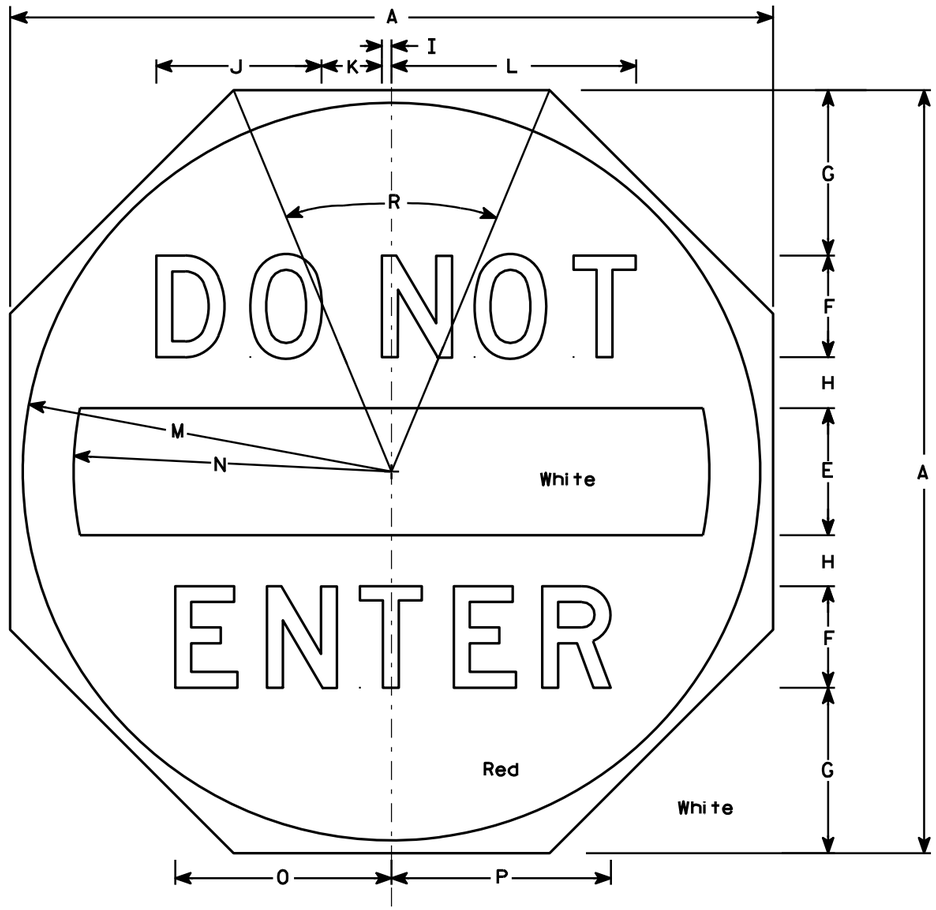
STANDARD SIGN
R5-1A

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: 578 | E



R5-1C

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors 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	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		45°									5.18
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		45°									7.46
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		45°									7.46
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		45°									13.25
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		45°									13.25

STANDARD SIGN
R5-1C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer

DATE 3/23/11 PLATE NO. R5-1C.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 579 | 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

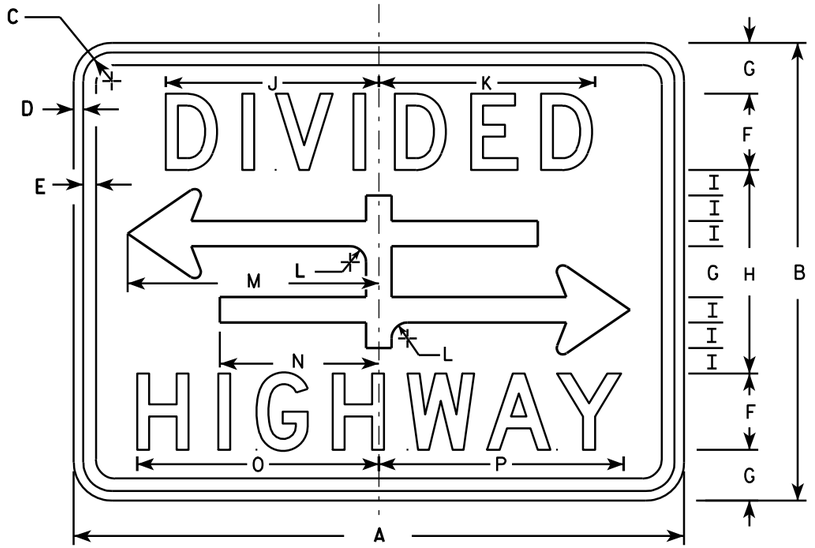
STANDARD SIGN
R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-57.10

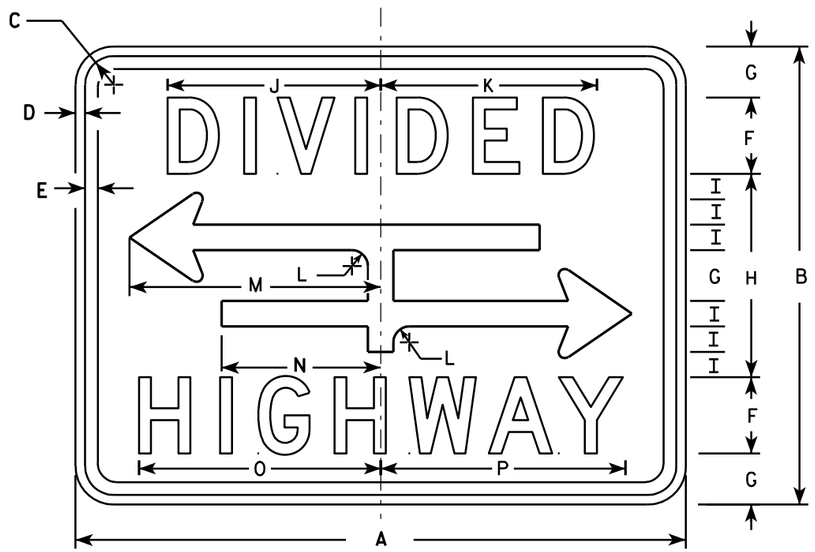
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 580 | E



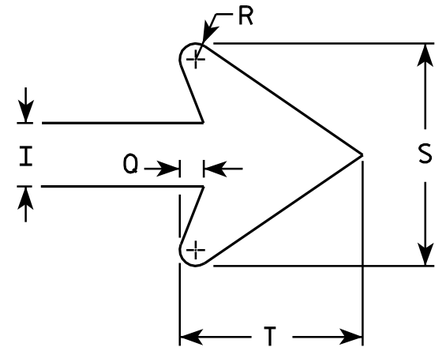
R6-3

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

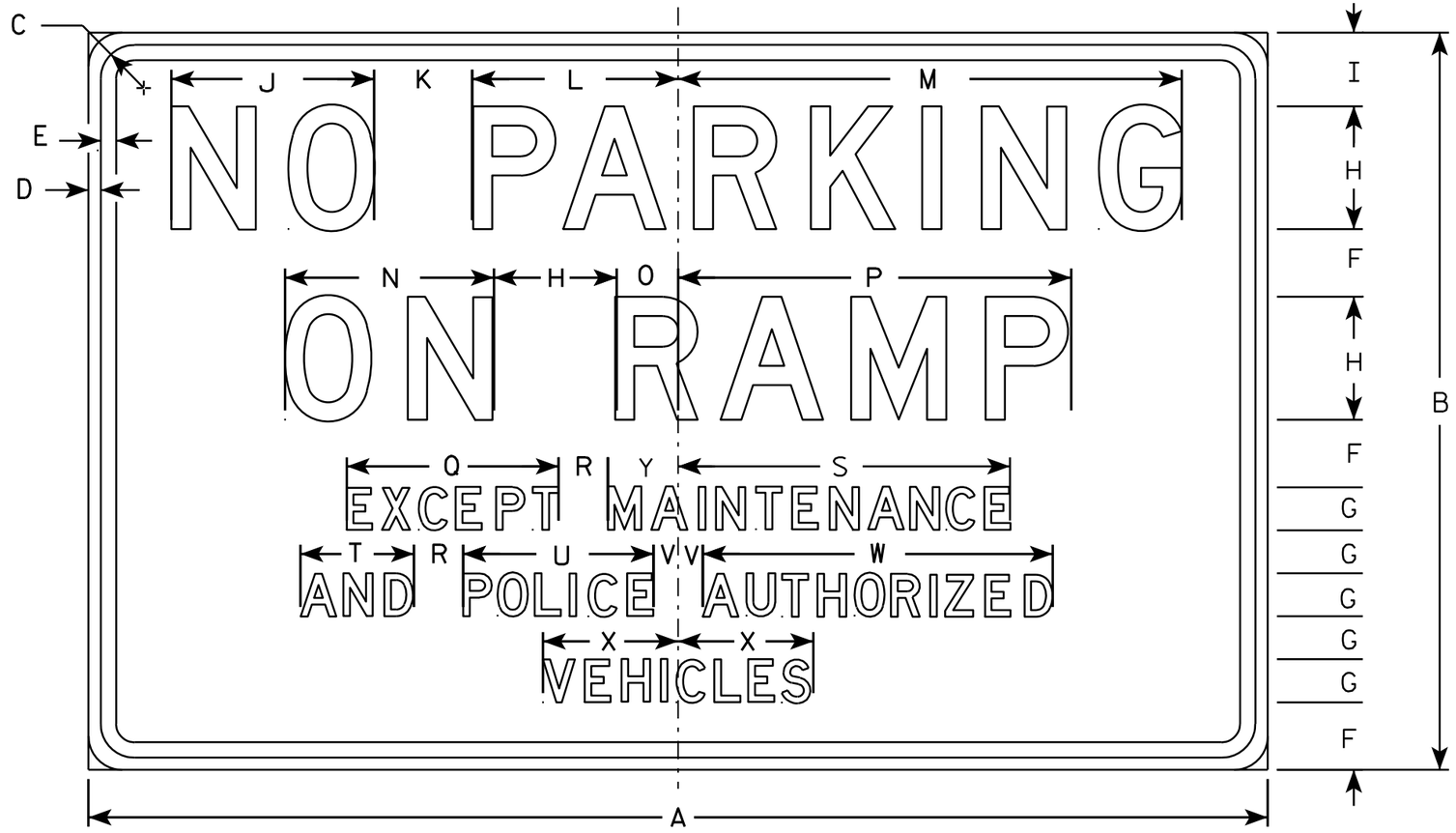
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

SHEET NO: 581 E



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:

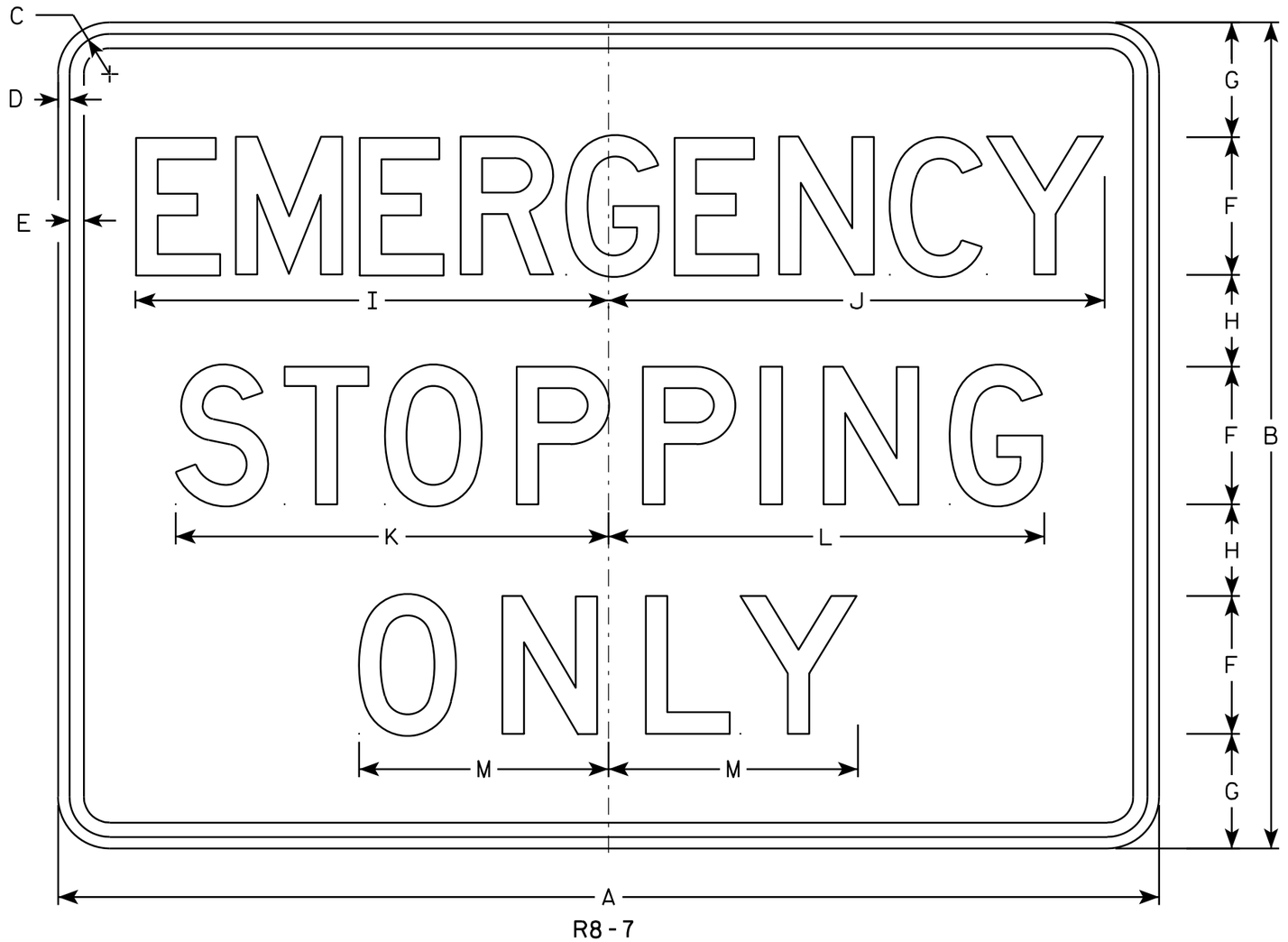
SHEET NO: 582 E

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



R8-7

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	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	18 7/8	19	10 7/8														12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	18 7/8	19	10 7/8														12.0

STANDARD SIGN
R8-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R8-7.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 583 | E

R8-53

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	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	8	1 3/4	15 3/4													12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	8	1 3/4	15 3/4													12.0

STANDARD SIGN
R8-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R8-53.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 584	E

R8-54

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	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	10 1/2	1	16 1/2													12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	10 1/2	1	16 1/2													12.0

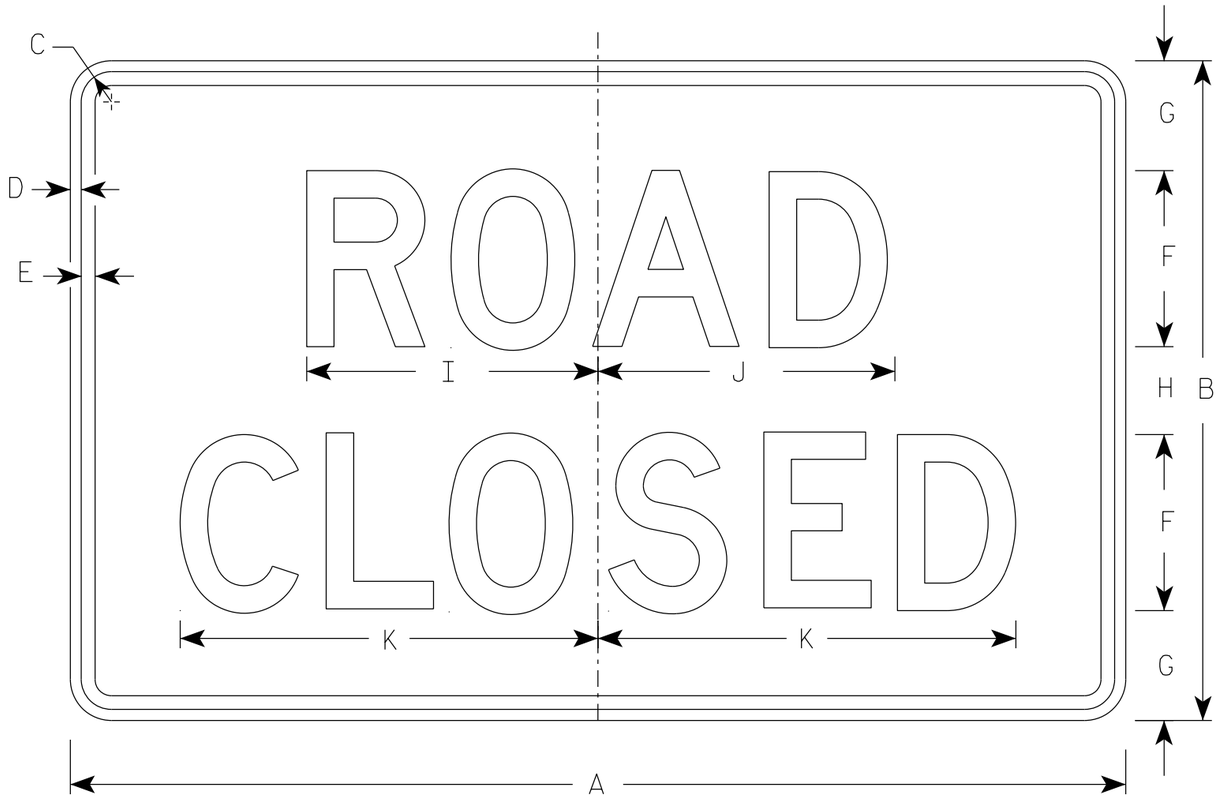
STANDARD SIGN
R8-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R8-54.4

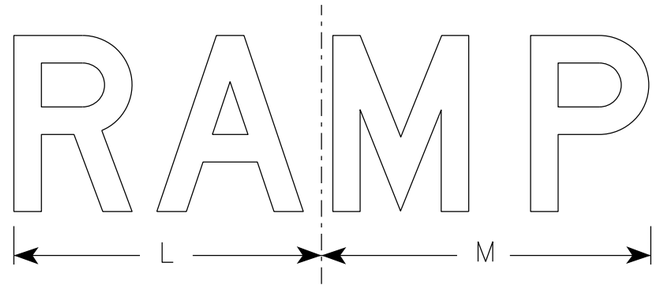
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 585	E



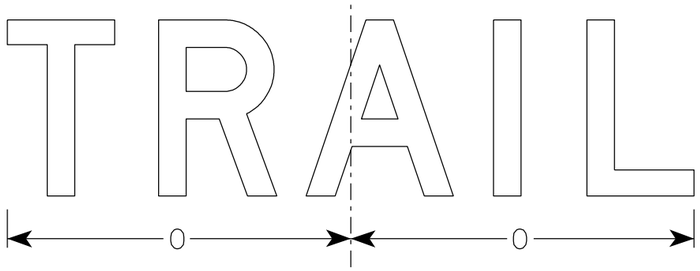
R11-2

NOTES

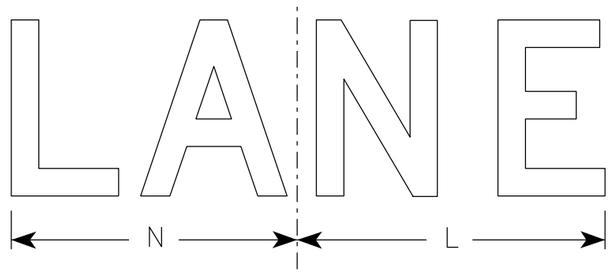
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

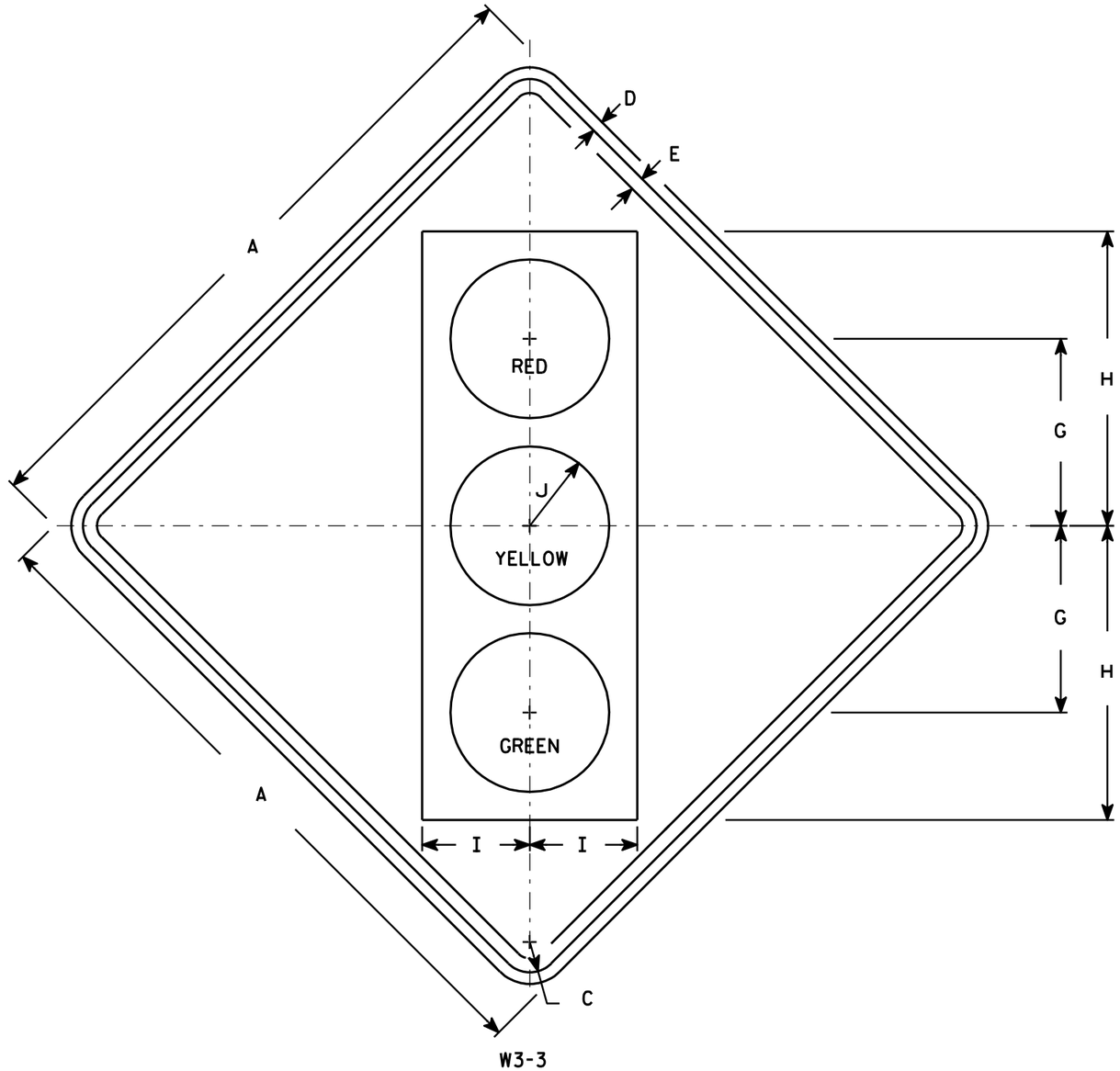
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 29-MAR 2021 8:15 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7



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

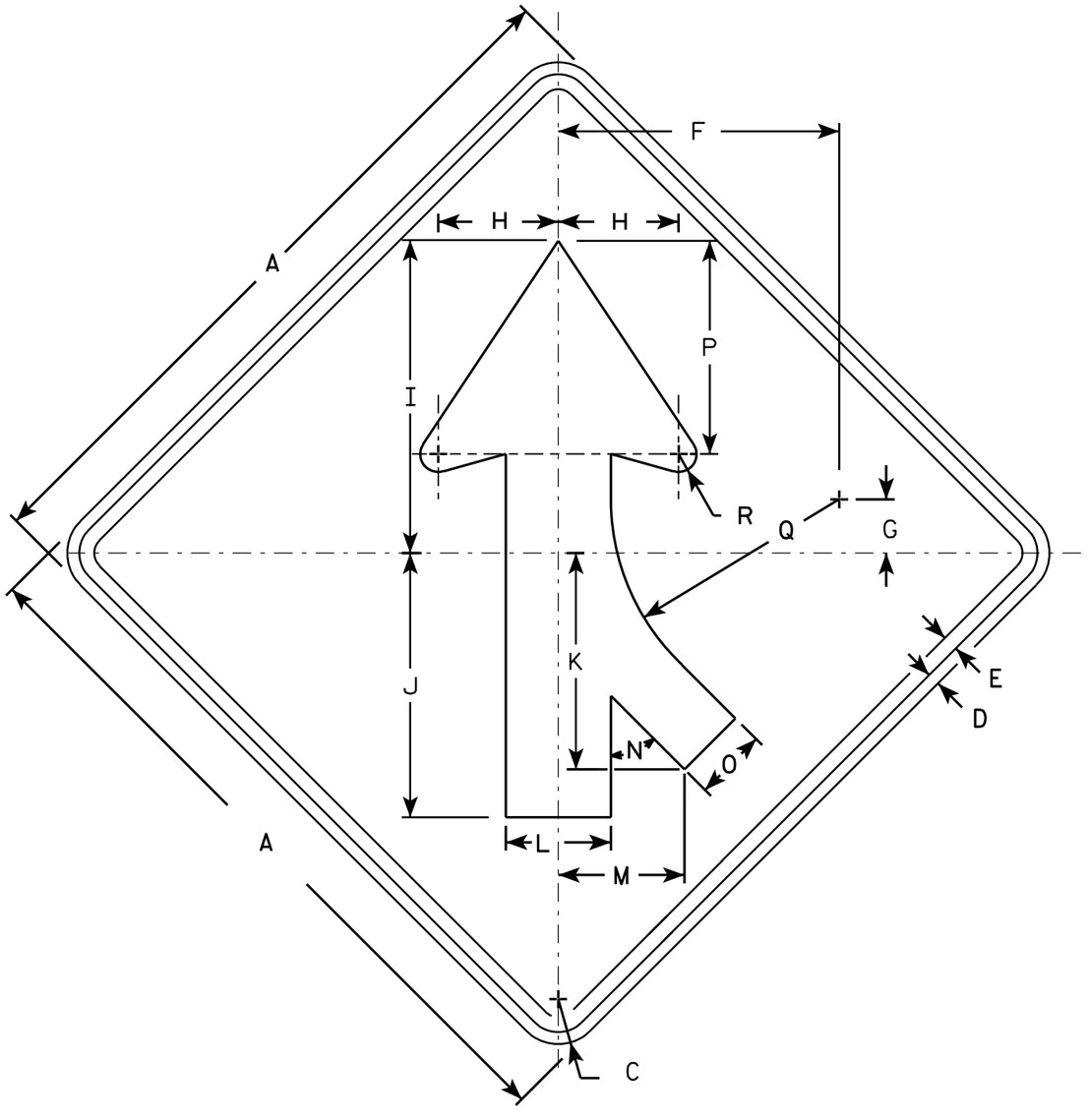
STANDARD SIGN
W3-3

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: 587 | 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

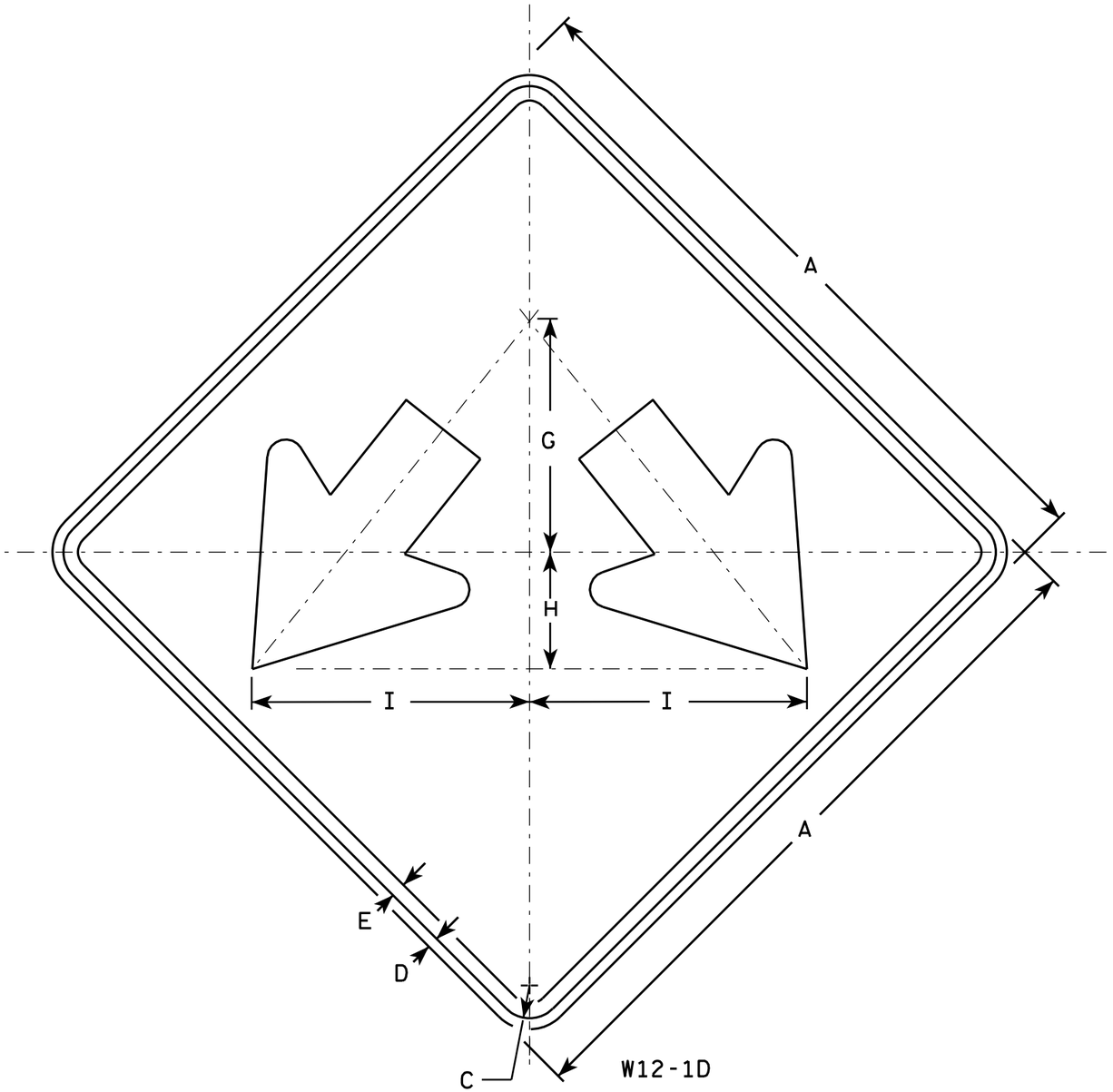
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rausch for State Traffic Engineer

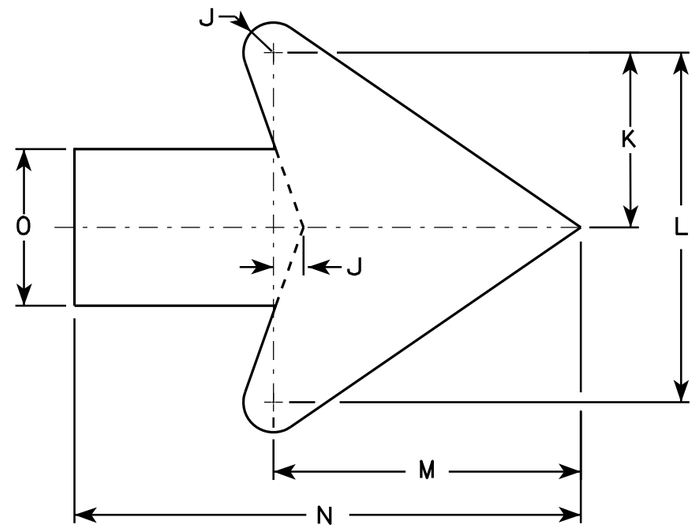
DATE 03/12/13 PLATE NO. W4-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 588	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.



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

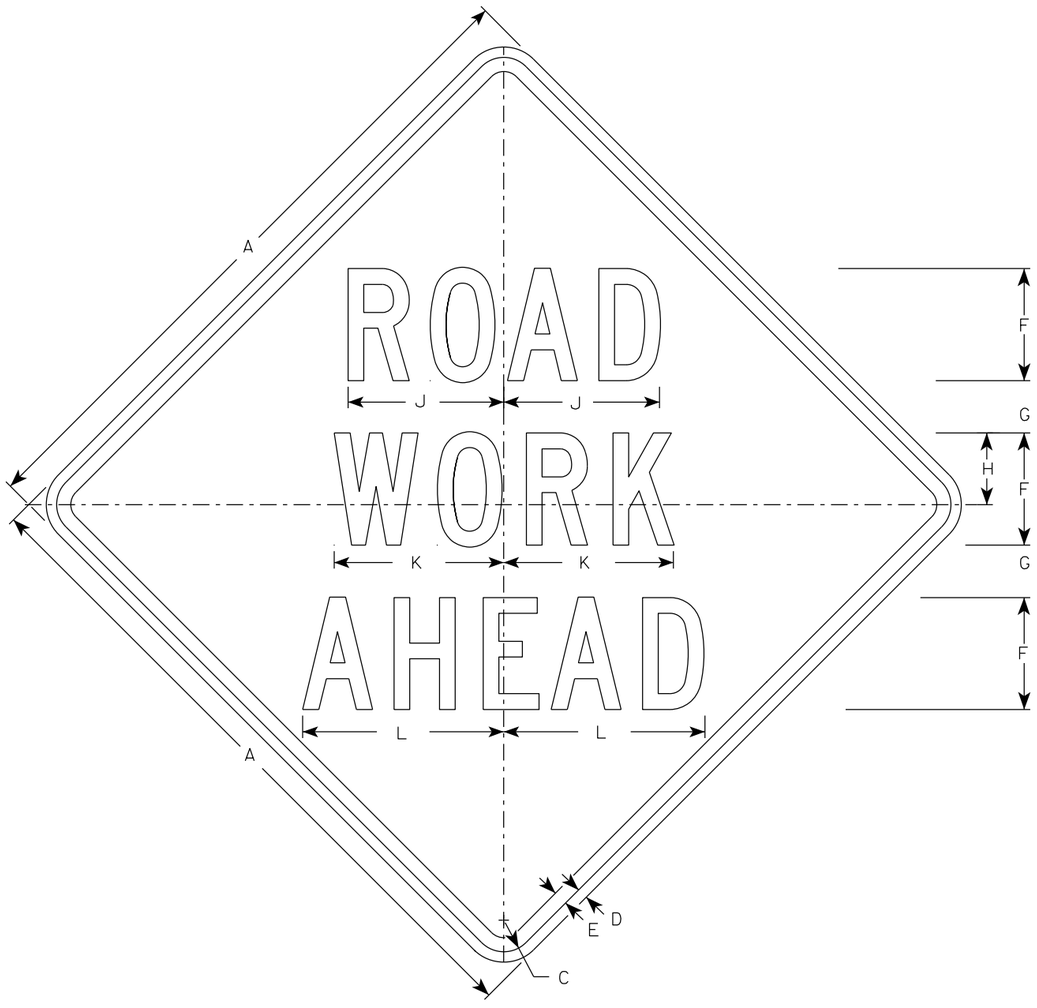
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

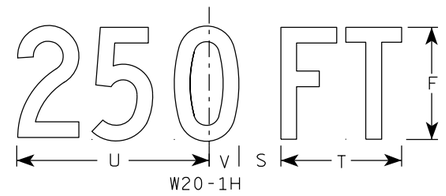
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 589	E

NOTES

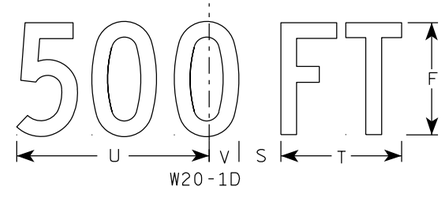
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A

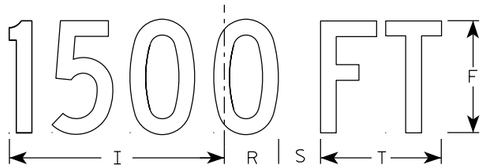


W20-1H

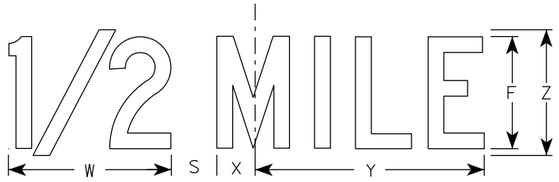


W20-1D

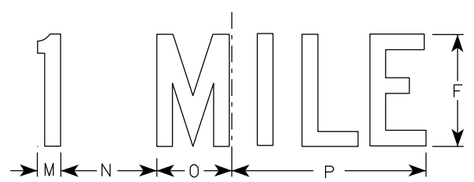
W20-1C



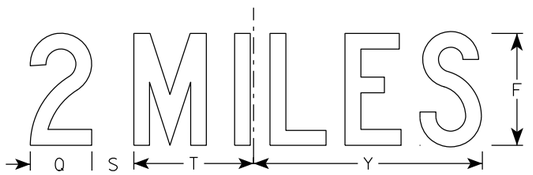
W20-1B



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

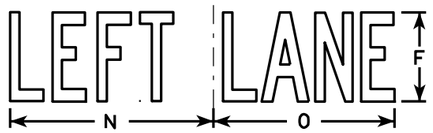
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

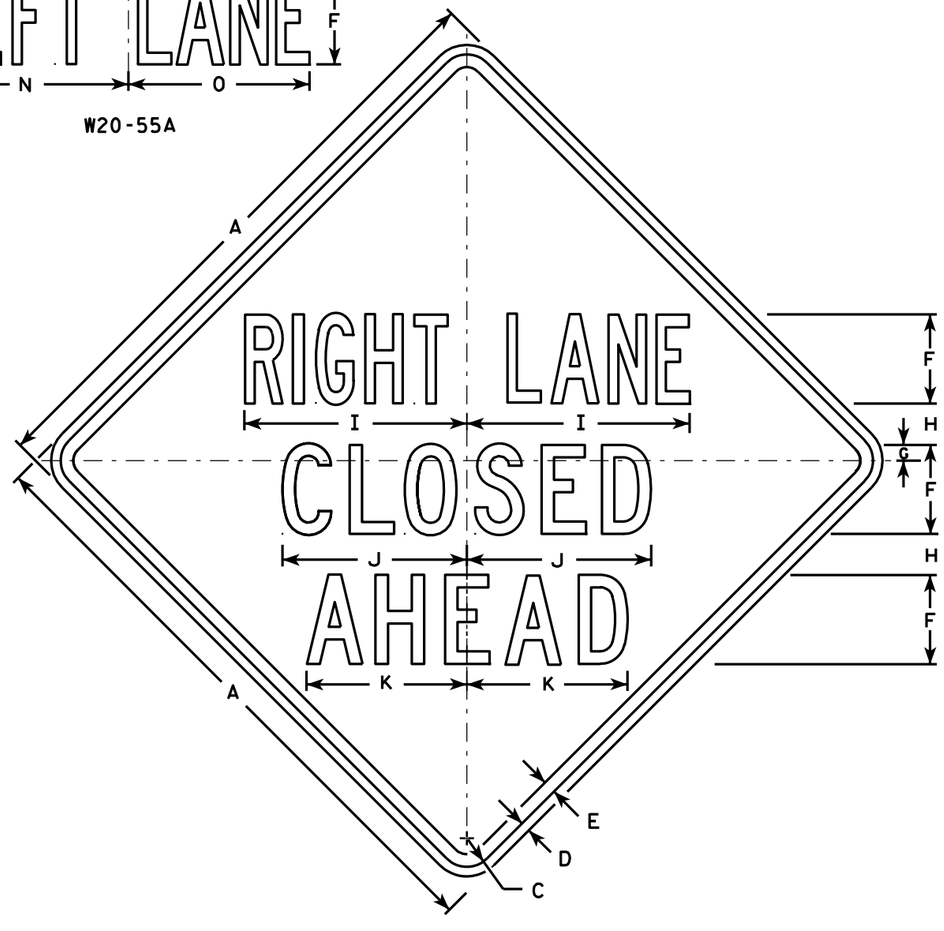
7

7

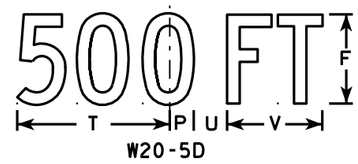
W20-56A



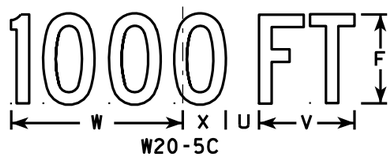
W20-55A



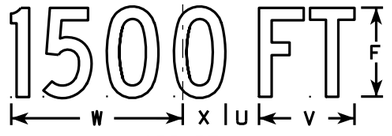
W20-5A



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

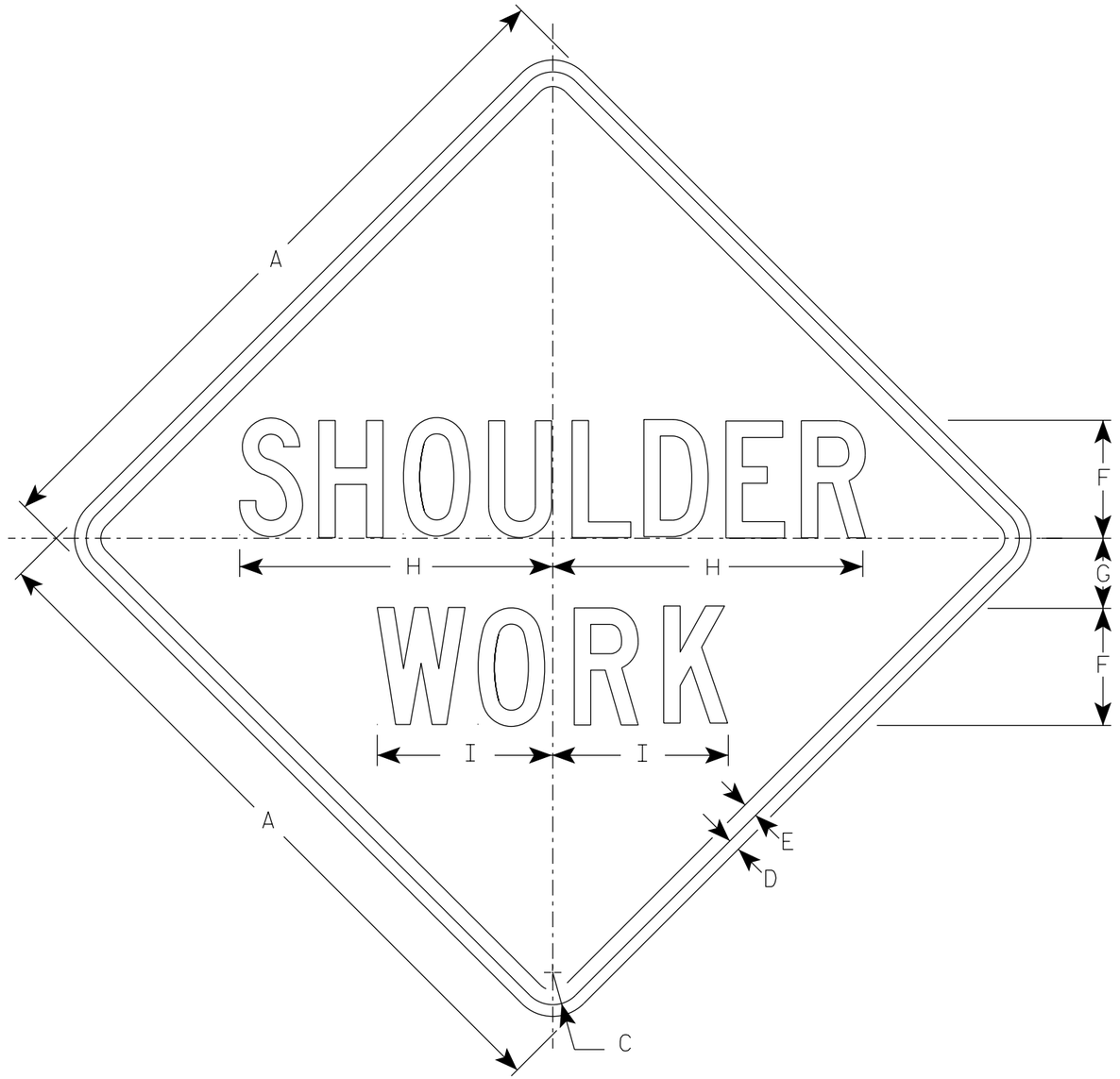
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 591	E

7

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



W21-5

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 1/2	16	9																		9.0
2S	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
2M	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
3	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

STANDARD SIGN
W21-5

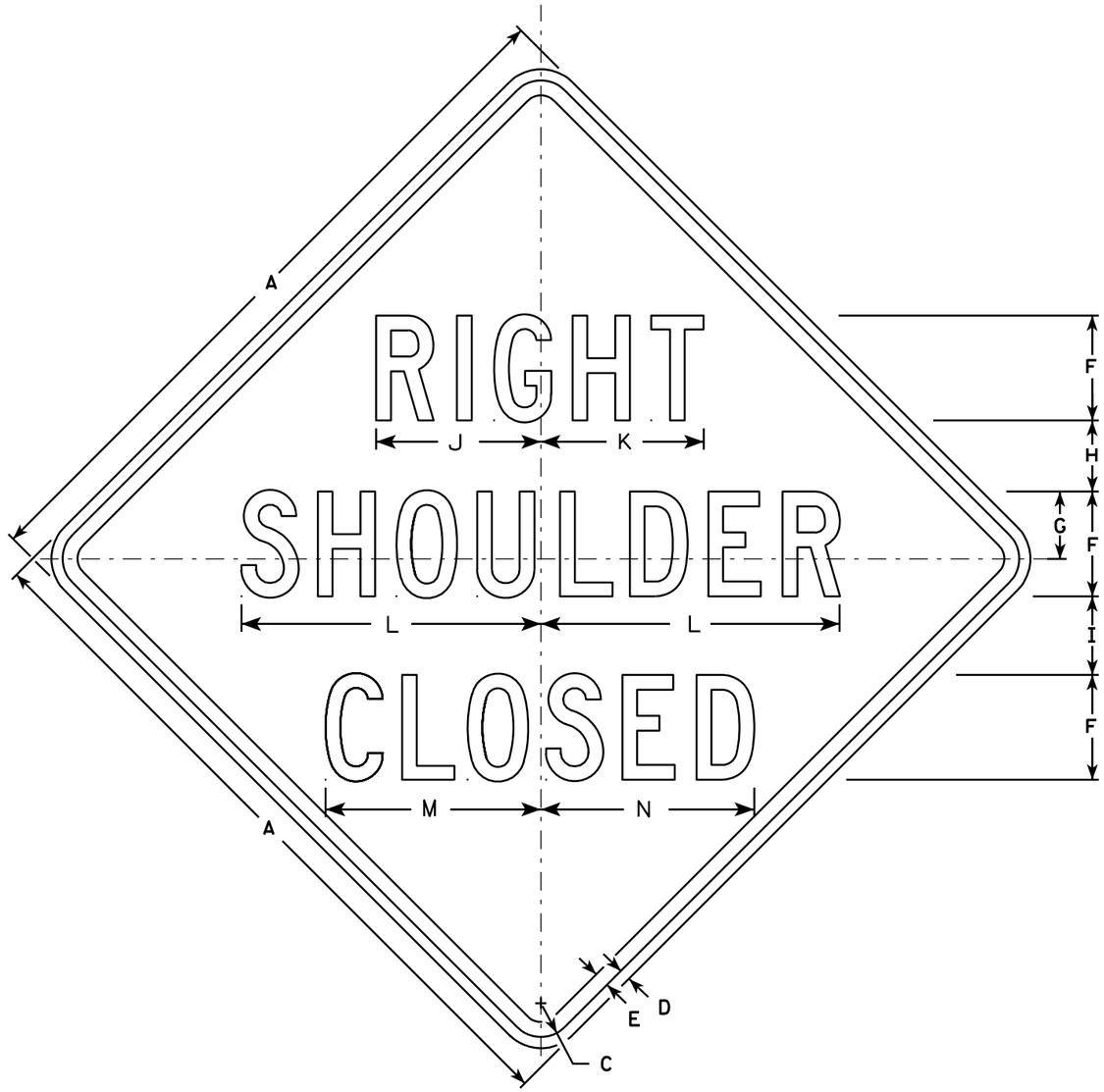
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

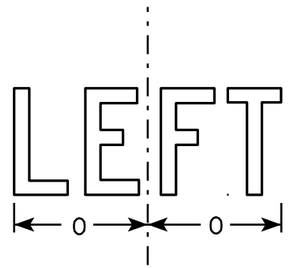
DATE 4/30/2020 PLATE NO. W21-5.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 592 | E

7



W21-5A



W21-5AL

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 - 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	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	4	7 7/8	7 3/4	14 1/4	10 1/4	10 1/8	6 1/4												9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0

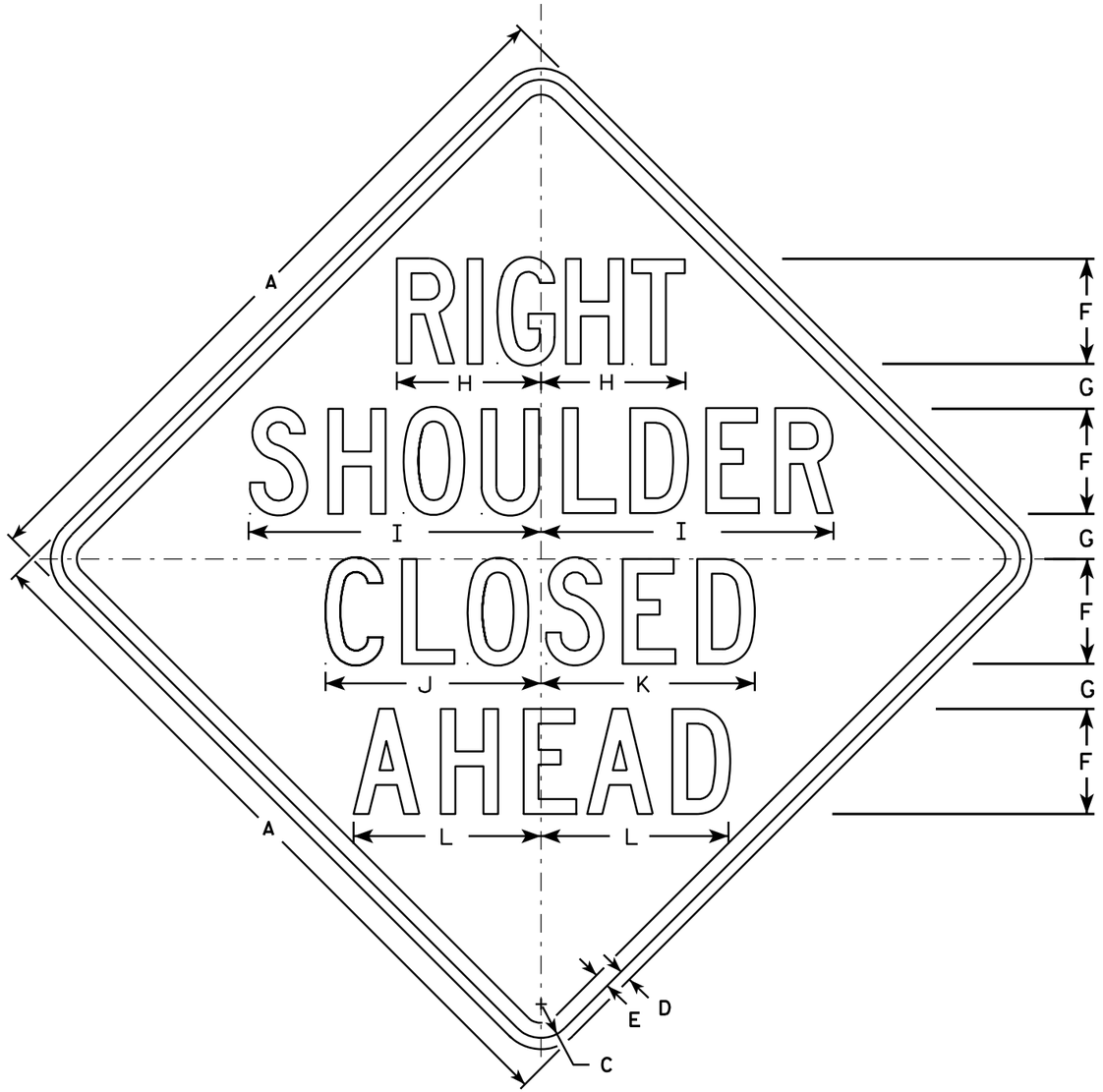
STANDARD SIGN
W21-5A

WISCONSIN DEPT OF TRANSPORTATION

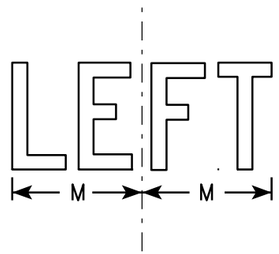
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 593 | E



W21-5B



W21-5BL

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.

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 1/4	7 3/8	14 1/4	10 1/4	10 1/8	8 7/8	6 1/4														9.0
2S	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
2M	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
3	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
4	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
5	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0

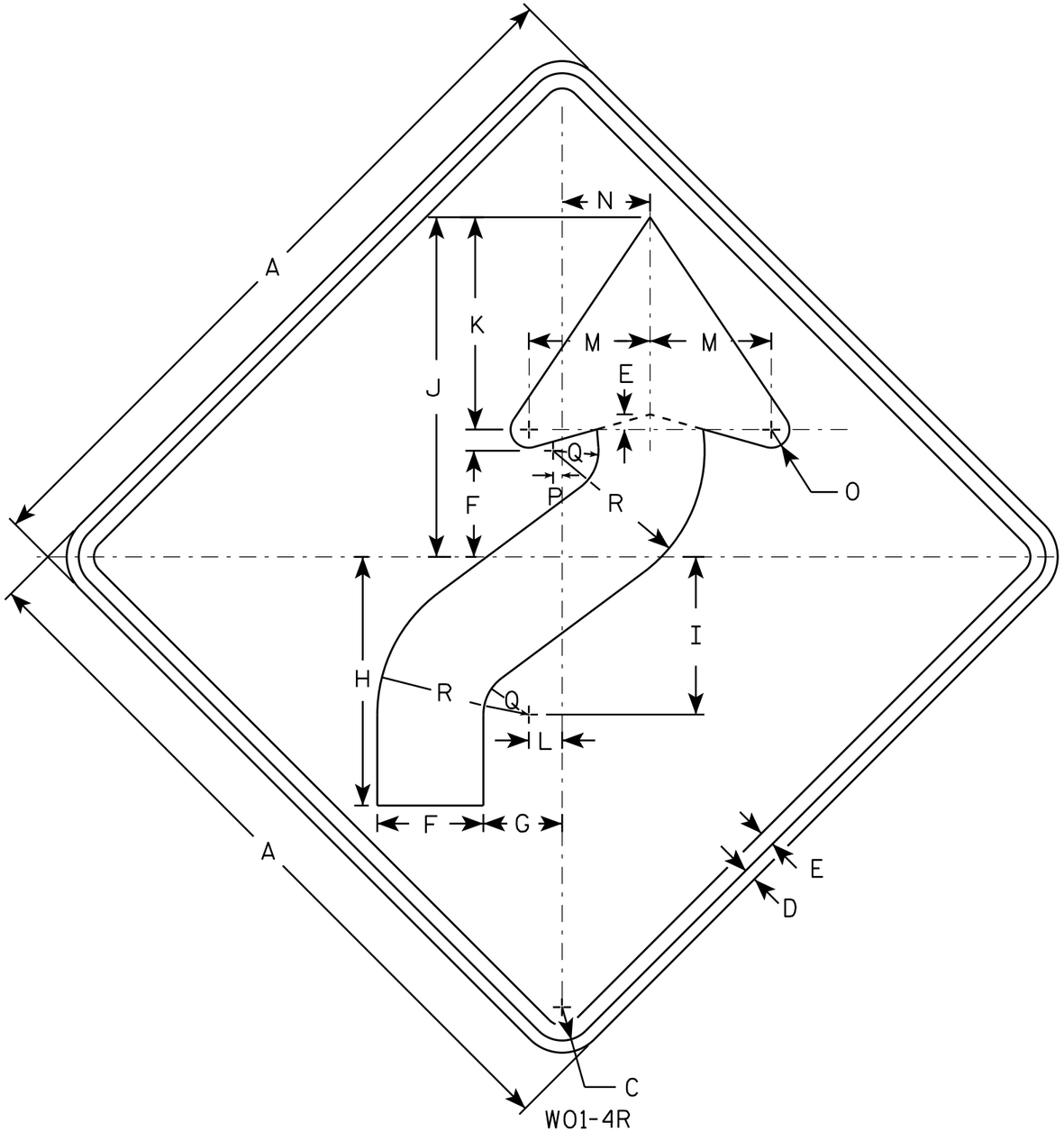
STANDARD SIGN
W21-5B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5B.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 594	E



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

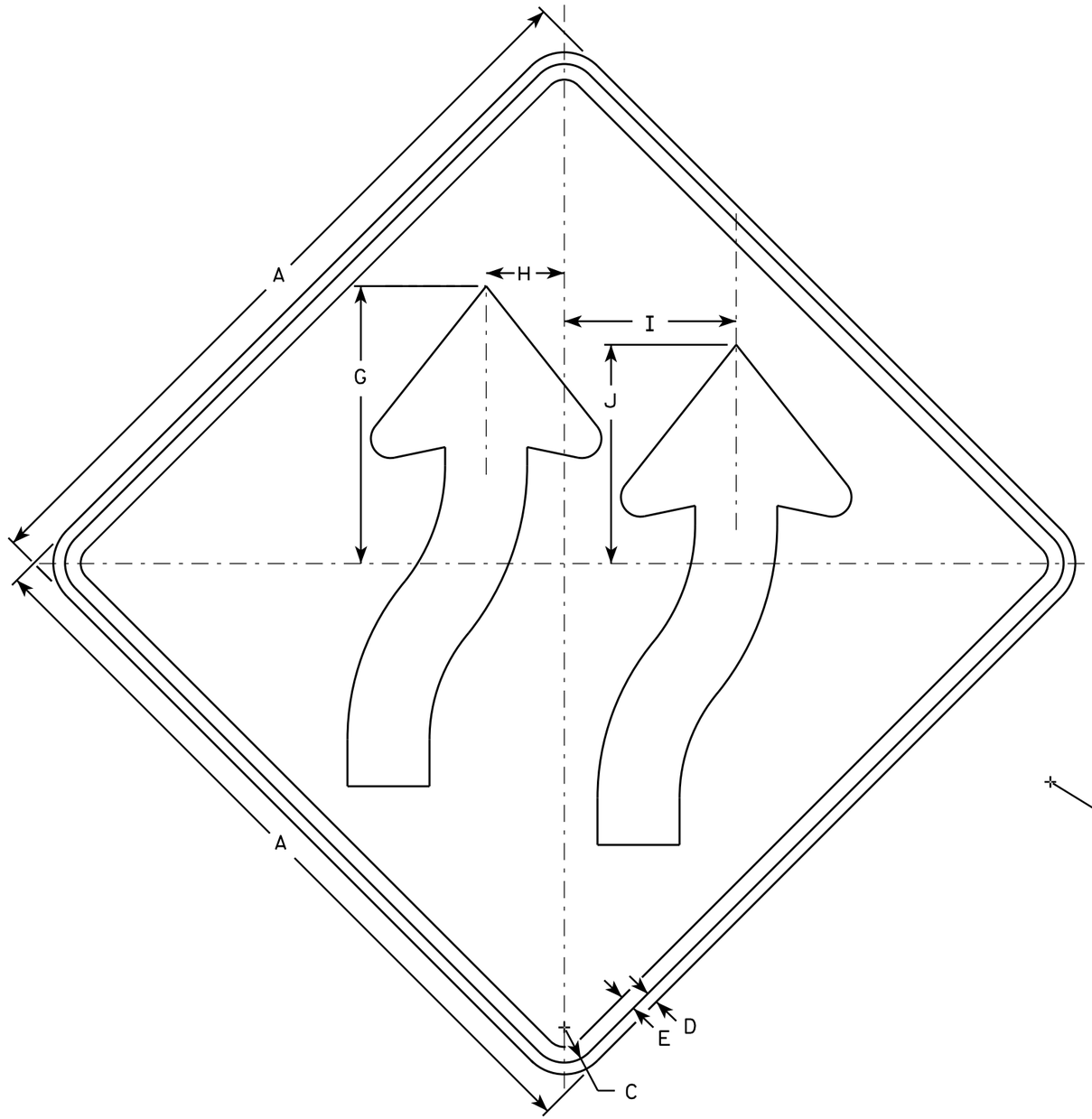
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

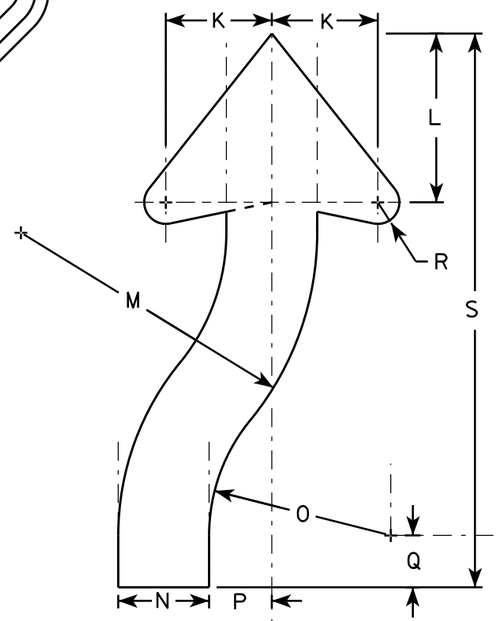
DATE 11/18/13 PLATE NO W01-4.1

595

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



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

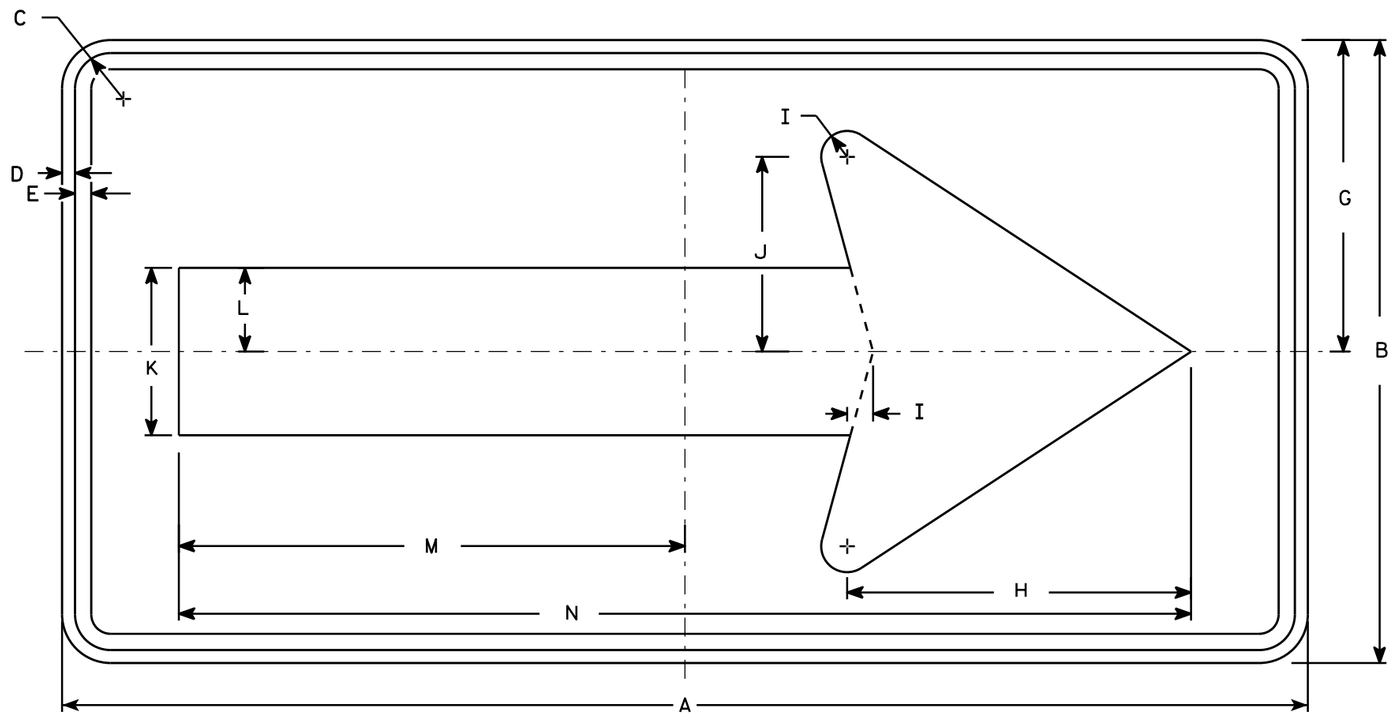
STANDARD SIGN
W01-4b

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

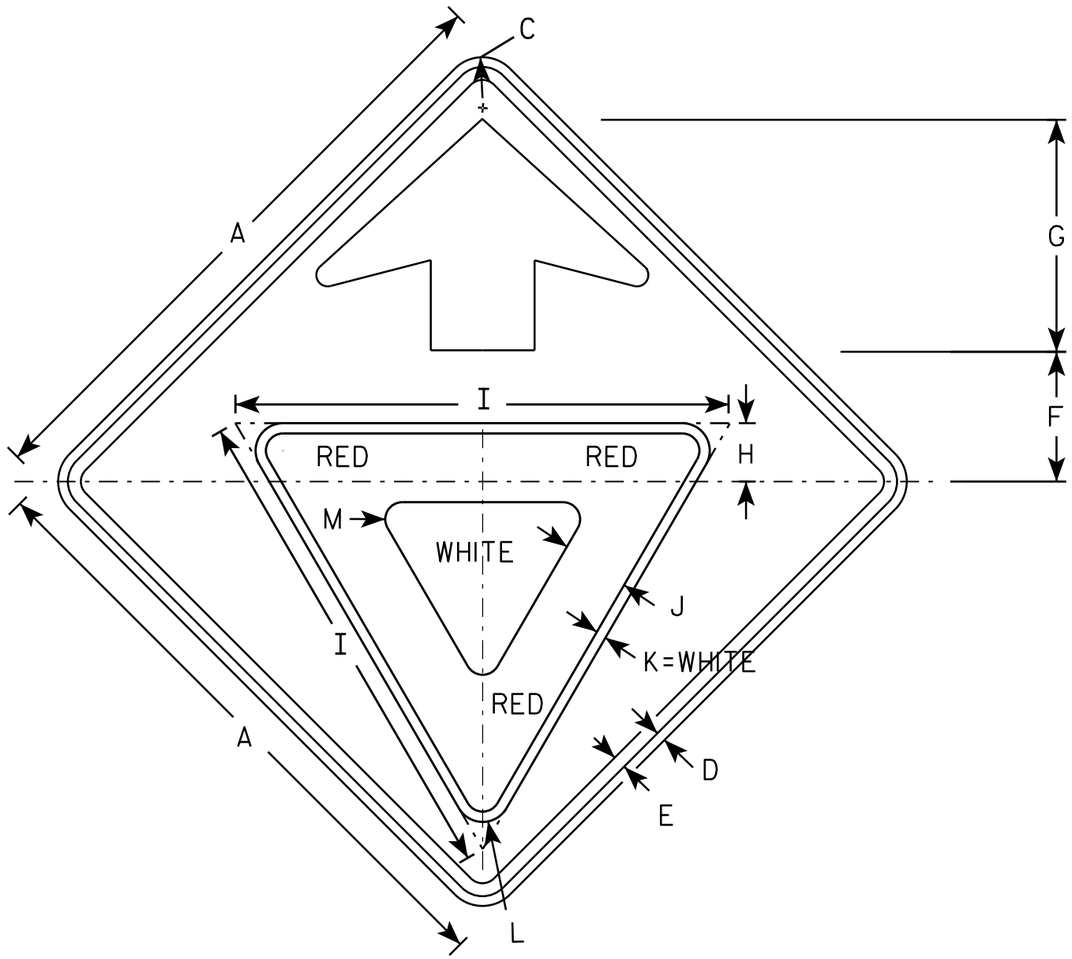
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

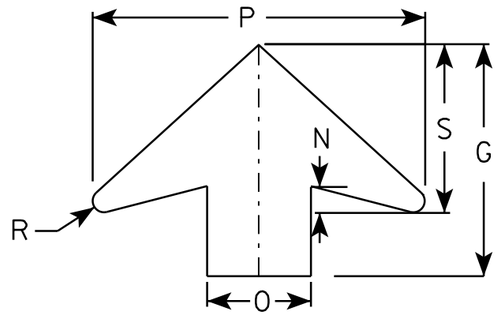
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W03-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED 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	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W03-2

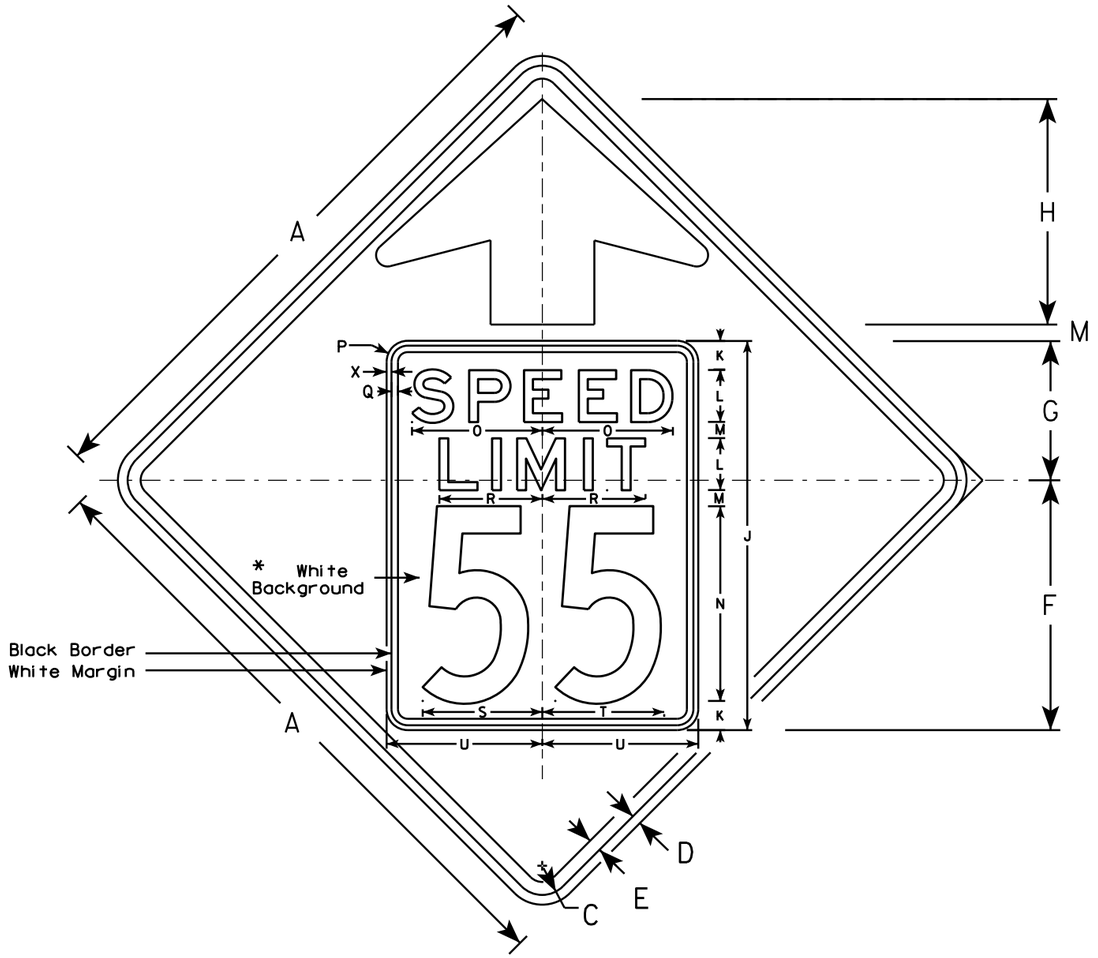
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO. W03-2.1

PROJECT NO:

SHEET NO: E

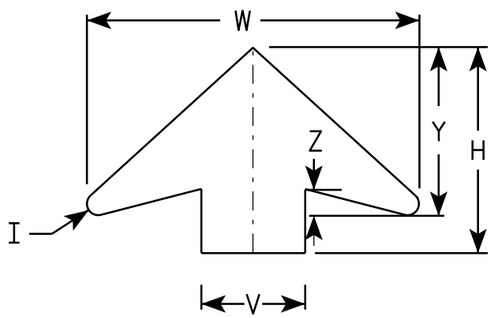


W03-5

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

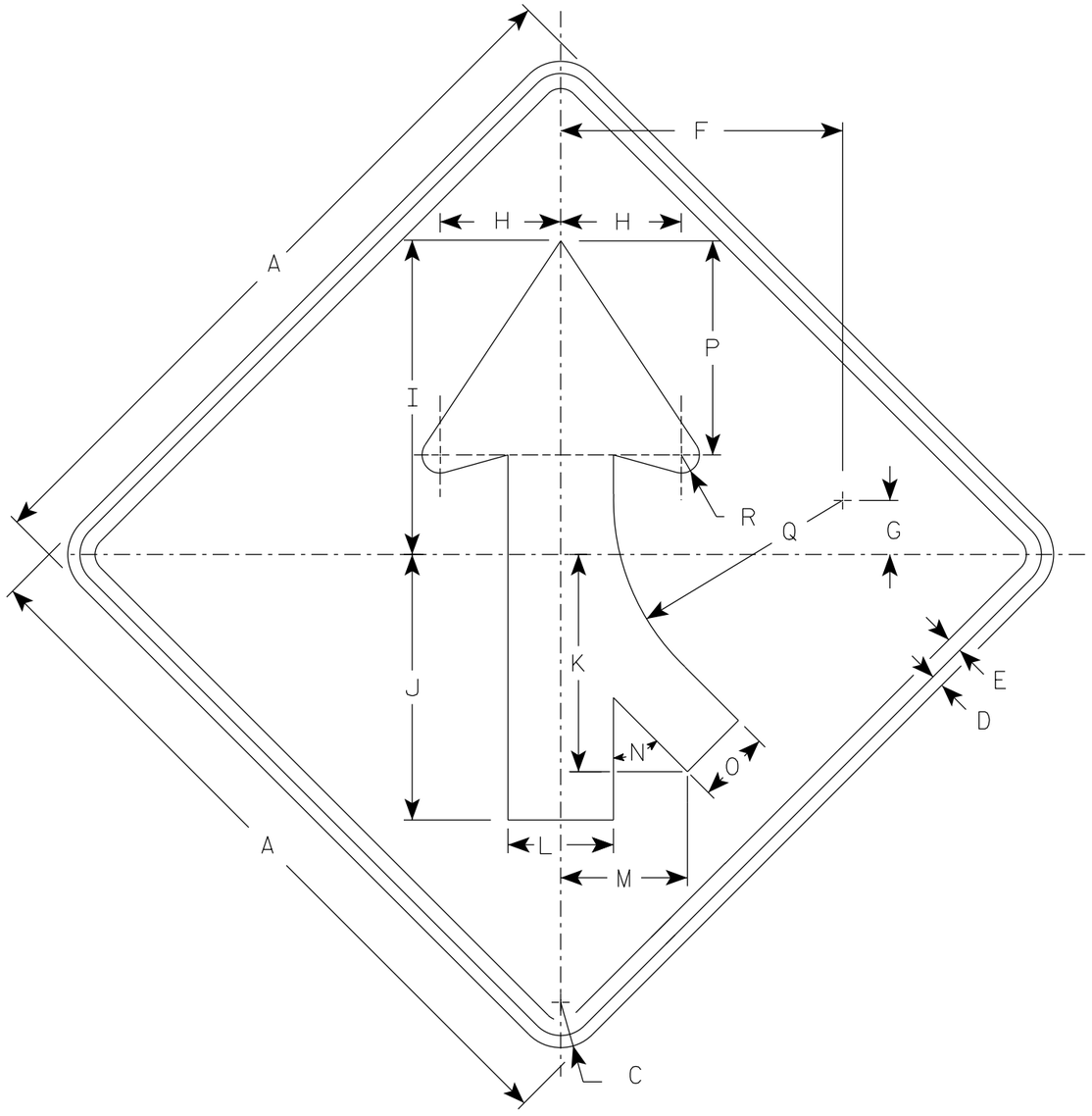
APPROVED Matthew R Rauch
for State Traffic Engineer

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

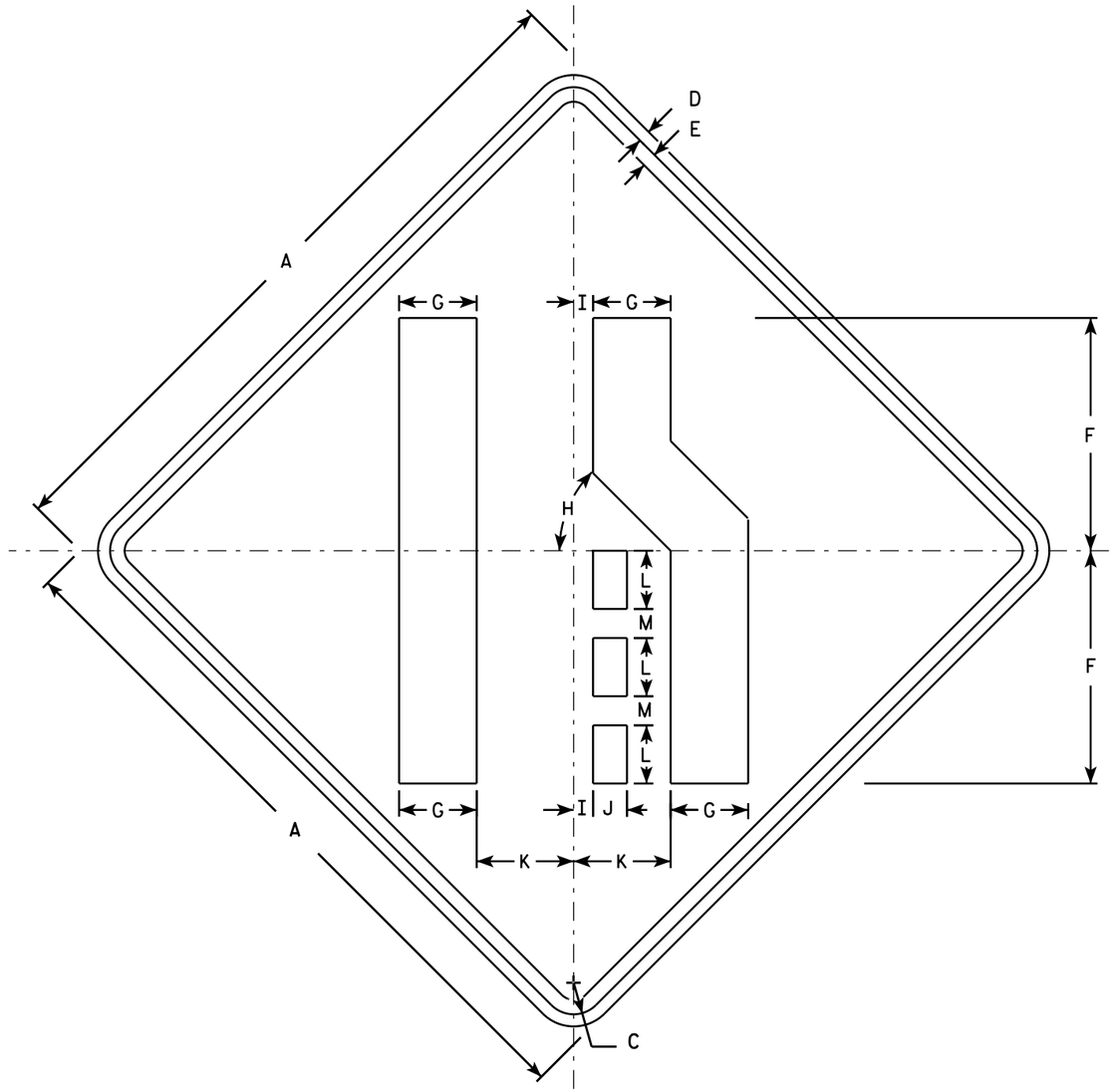
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. W04-1.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W041.dgn PLOT DATE : 30-MAR 2021 8:25 PLOT BY : dotc4c PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

7



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

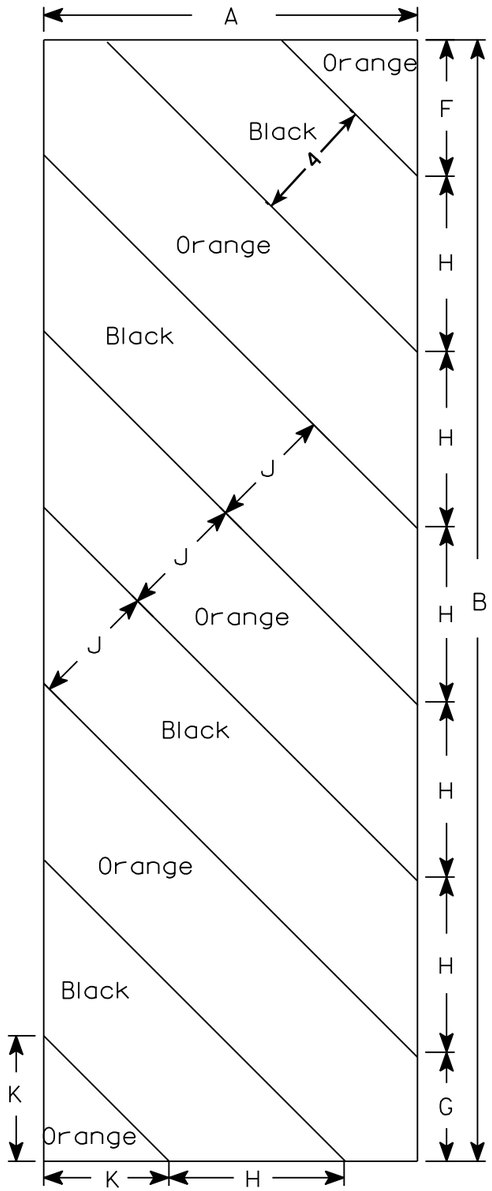
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

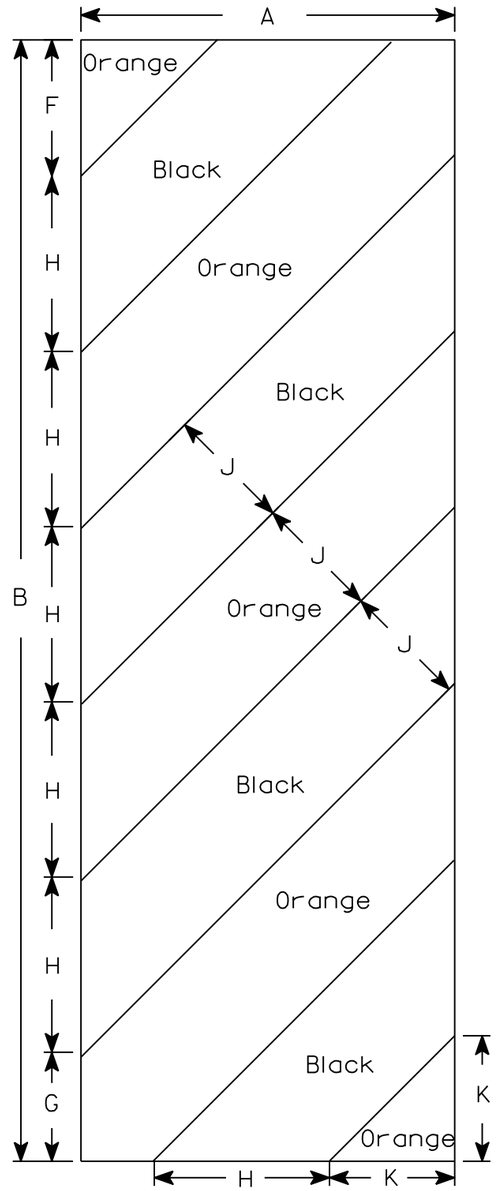
DATE 11/20/13 PLATE 601 W04-2.1

PROJECT NO:

SHEET NO: E



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

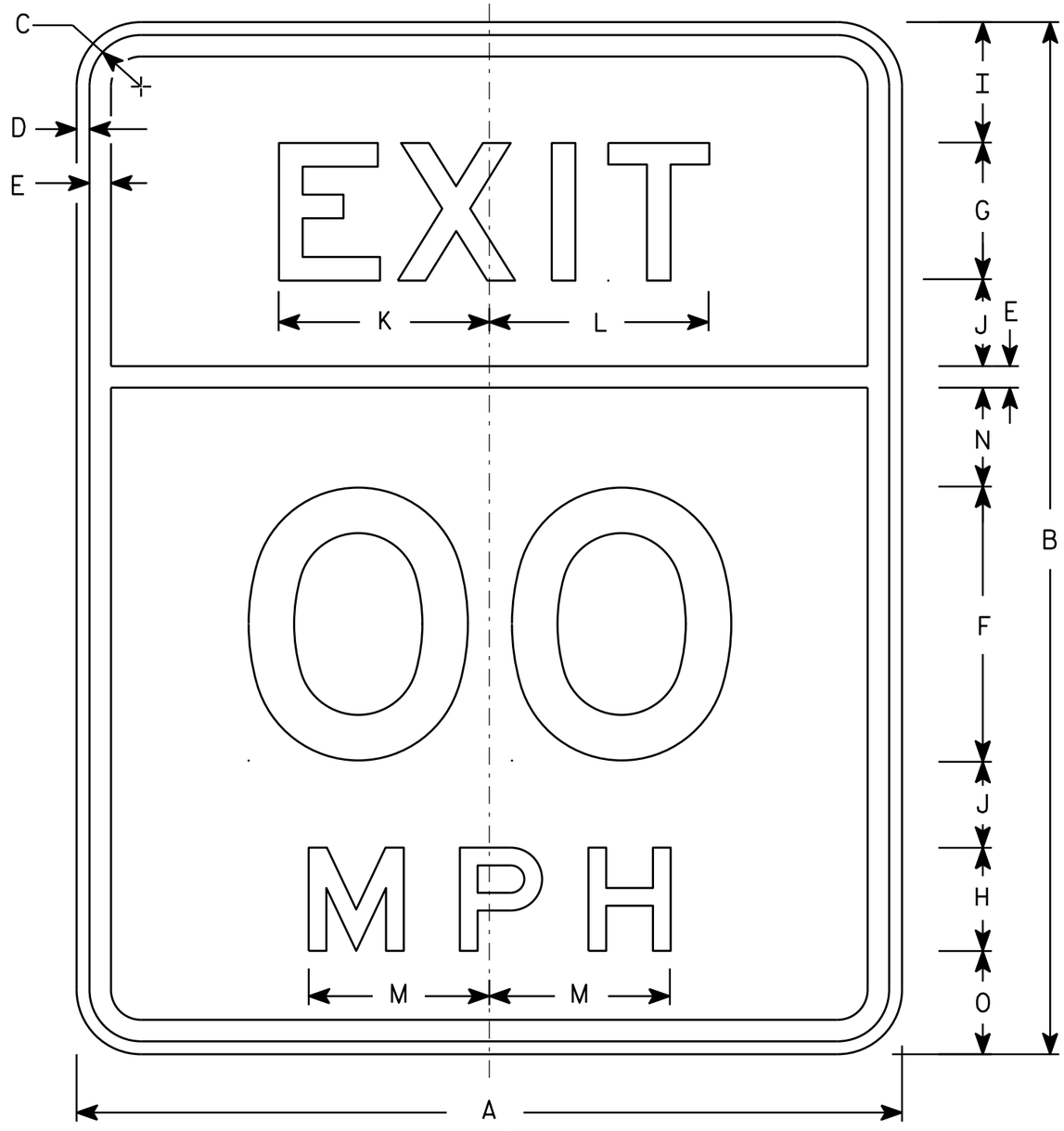
W05-52L & W05-52R

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



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

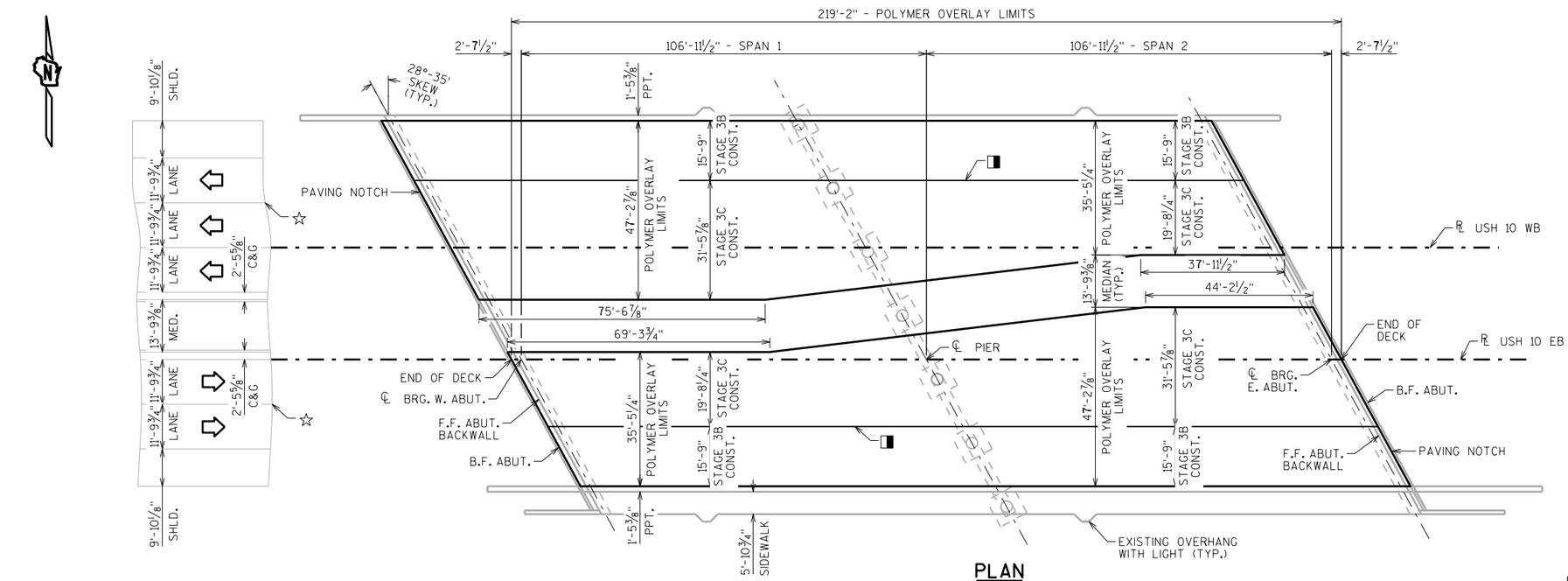
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/14 PLATE W013-2.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

STATE PROJECT NUMBER

1022-00-79



PLAN

2-SPAN 45-IN PRESTRESSED GIRDERS

DESIGN DATA

LIVE LOAD:

INVENTORY RATING: HS-23
OPERATING RATING: HS-42
MAXIMUM STANDARD PERMIT VEHICLE LOAD: 250(KIPS)

MATERIAL PROPERTIES:

RAPID SET DECK REPAIR: ——————— f'c = 4,000 P.S.I.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

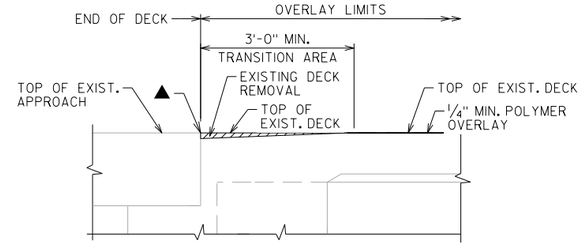
AREAS OF "PREPARATION DECKS TYPE 1" SHALL BE DEFINED BY A SAW CUT.

"PREPARATION DECKS TYPE 1" REPAIR AREAS ARE ANTICIPATED ON THE EASTBOUND LANE NEAR THE EAST ABUTMENT. EXTENTS AND LOCATIONS SHALL BE DETERMINED BY THE ENGINEER. REPAIR AREAS SHALL BE FILLED WITH "RAPID SET DECK REPAIR"

▮ DO NOT PLACE POLYMER OVERLAY OVER EXISTING EXPANSION JOINT.

☆ LONGITUDINAL CONSTRUCTION JOINT.

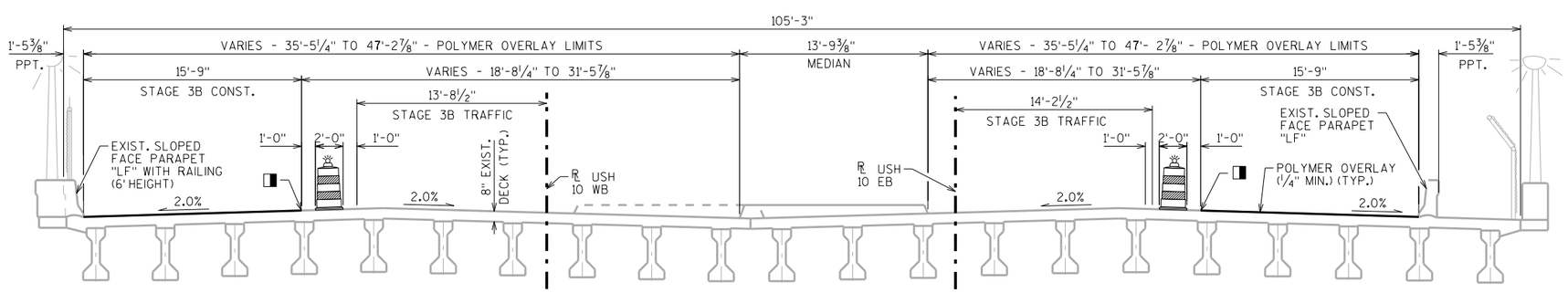
CROWN POINT



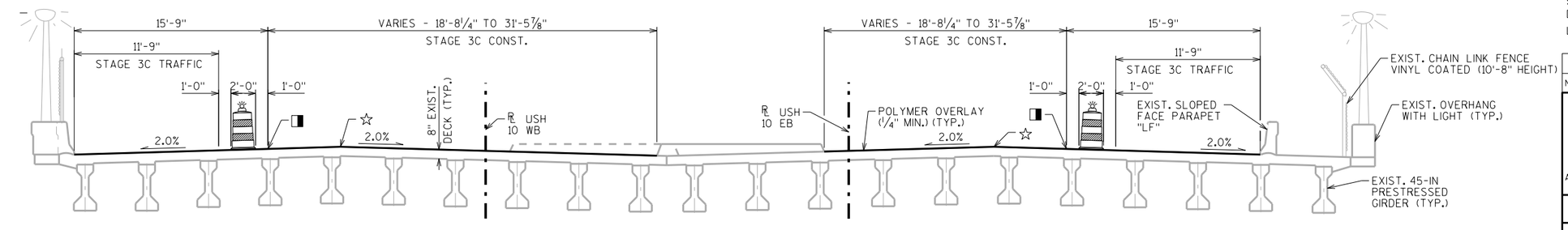
SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK

(REMOVAL AND OVERLAY THICKNESS NOT TO SCALE)
(TYP. BOTH SIDES)

▲ ¼" MIN. REMOVAL OF EXIST. DECK AT END OF TRANSITION.



STAGE 3B CONST.



STAGE 3C CONST.

CROSS SECTION THRU ROADWAY

LOOKING EAST

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
509.0301	PREPARATION DECKS TYPE 1	SY	1
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	10
509.5100.S	POLYMER OVERLAY	SY	2,022
SPV.0035	RAPID SET DECK REPAIR	CY	1

TRAFFIC VOLUME

USH 10
ADT = 4,950 (2043)
R.D.S. = 45 M.P.H.

IH 94
ADT = 16,700 (2043)
R.D.S. = 75 M.P.H.

LIST OF DRAWINGS

1. POLYMER OVERLAY

STRUCTURE DESIGN CONTACTS:

DAN MONROE (608) 266-8490
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED ——— LLS 1/6/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-61-156

USH 10 OVER IH 94

COUNTY	CITY
TREMPEALEAU	OSSEO

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
DLM	NAR	DLM	JLR

POLYMER OVERLAY

SHEET 1 OF 1

604

I.D. 1022-00-09A

DATE: APRIL 2021

SCALE = 17.00

8

8

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division. Positive quantity indicates an excess of material, negative indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 1 (STA 63+35NWA - STA 65+57NWA): NW RAMP TEMPORARY (STAGE 1A)

		Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			
Station	Distance	Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
63+35		0	0	0	0								
64+00	65	27	27	0	1	32	32	0	2	32	-1	1	1
64+50	50	17	17	3	1	41	41	3	2	73	0	3	0
65+00	50	11	11	0	1	26	26	3	1	99	2	4	-2
65+57	57	0	0	0	0	12	12	0	1	110	1	4	-1
						110	110	6	6				

DIVISION 1 (STA 70+00SWA - STA 75+00SWA): SW RAMP (STAGE 1A)

		Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			
Station	Distance	Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
70+00		0	0	0	0								
70+50	50	15	0	0	1	14	0	0	1	14	-1	1	15
71+00	50	17	0	0	1	30	0	0	1	44	-2	2	46
71+50	50	13	0	26	1	27	0	24	1	71	24	3	47
72+00	50	11	0	108	1	22	0	124	1	94	165	4	-72
72+50	50	3	0	163	0	13	0	250	1	107	452	4	-346
73+00	50	0	0	170	0	3	0	308	0	110	807	4	-697
73+50	50	0	0	120	0	0	0	269	0	110	1,115	4	-1,006
74+00	50	0	0	70	0	0	0	176	0	110	1,318	4	-1,208
74+50	50	0	0	75	0	0	0	134	0	110	1,472	4	-1,363
75+00	50	0	0	50	0	0	0	116	0	110	1,605	4	-1,496
						110	0	1,400	5				

DIVISION 1 (STA 219+33XO - STA 226+00XO): XO (STAGE 1B)

		Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			
Station	Distance	Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
219+33		11	0	0	1								
220+00	67	9	0	4	0	25	0	5	1	25	5	1	20
221+00	100	8	0	29	0	31	0	61	2	56	73	2	-17
222+00	100	8	0	65	0	30	0	174	1	86	272	3	-186
223+00	100	9	0	66	0	31	0	243	2	117	550	5	-226
224+00	100	14	0	38	1	43	0	193	2	160	769	6	-403
225+00	100	13	0	86	1	50	0	230	3	210	1,031	8	-407
226+00	100	12	0	17	1	46	0	191	2	256	1,248	10	-578
						256	0	1,096	13				

DIVISION 1 (STA 38+55TR - STA 237+00TR): IH 94 WB TEMP ROAD(STAGE 1B)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.15	0.80 Note 6	Note 7
38+55		4	0	0	0								
39+00	45	4	0	0	0	6	0	0	0	6	0	0	7
40+00	100	10	0	18	1	26	0	32	1	32	36	1	-4
41+00	100	16	0	45	1	48	0	116	2	81	167	3	-86
42+00	100	26	0	28	1	78	0	135	4	158	318	6	-160
43+00	100	26	0	19	1	96	0	87	5	254	414	10	-160
44+00	100	22	0	17	1	89	0	67	4	343	487	14	-143
45+00	100	25	0	19	1	88	0	66	4	431	559	17	-127
46+00	100	25	0	19	1	93	0	70	5	525	635	21	-110
47+00	100	12	0	20	1	69	0	71	3	593	714	24	-121
48+00	100	11	0	11	1	43	0	56	2	636	777	25	-140
49+00	100	20	0	0	1	58	0	21	3	695	798	28	-103
50+00	100	17	0	0	1	68	0	1	3	763	796	31	-33
51+00	100	55	0	0	3	132	0	0	7	895	790	36	105
52+00	100	17	0	1	1	132	0	1	7	1,027	785	41	242
53+00	100	18	0	1	1	64	0	3	3	1,091	786	44	305
54+00	100	22	0	1	1	73	0	3	4	1,163	785	47	378
55+00	100	27	0	1	1	91	0	2	5	1,254	784	50	471
56+00	100	33	0	0	2	112	0	2	6	1,367	781	55	586
57+00	100	32	0	2	2	120	0	4	6	1,487	780	59	707
58+00	100	34	0	2	2	121	0	7	6	1,608	782	64	827
59+00	100	29	0	16	1	116	0	32	6	1,725	814	69	911
60+00	100	19	0	28	1	90	0	81	4	1,814	903	73	912
61+00	100	13	0	23	1	60	0	95	3	1,874	1,010	75	864
62+00	100	9	0	16	0	41	0	72	2	1,915	1,091	77	824
63+00	100	9	0	15	0	35	0	57	2	1,950	1,155	78	795
64+00	100	10	0	7	0	35	0	40	2	1,985	1,199	79	786
65+00	100	10	0	9	0	36	0	28	2	2,021	1,230	81	791
66+00	100	10	0	11	1	37	0	37	2	2,057	1,270	82	787
67+00	100	9	0	15	0	36	0	49	2	2,094	1,325	84	769
68+00	100	11	0	14	1	38	0	53	2	2,132	1,384	85	747
69+00	100	12	0	16	1	44	0	55	2	2,175	1,445	87	730
70+00	100	14	0	15	1	49	0	57	2	2,225	1,509	89	716
71+00	100	19	0	0	1	61	0	27	3	2,286	1,537	91	748
72+00	100	22	0	0	1	76	0	0	4	2,361	1,534	94	828
73+00	100	27	0	0	1	92	0	0	5	2,454	1,530	98	924
74+00	100	28	0	0	1	102	0	0	5	2,556	1,525	102	1,031
75+00	100	21	0	0	1	89	0	0	4	2,645	1,521	106	1,124
76+00	100	12	0	2	1	60	0	4	3	2,705	1,523	108	1,182
77+00	100	9	0	31	0	39	0	62	2	2,744	1,592	110	1,152
78+00	100	10	0	36	0	35	0	124	2	2,779	1,733	111	1,046
79+00	100	16	0	24	1	48	0	110	2	2,827	1,857	113	970
80+00	100	10	0	57	1	50	0	150	2	2,877	2,027	115	850
81+00	100	10	0	58	1	39	0	213	2	2,916	2,270	117	645
82+00	100	10	0	68	1	39	0	232	2	2,954	2,536	118	418
83+00	100	10	0	70	0	38	0	254	2	2,992	2,827	120	165
84+00	100	9	0	80	0	36	0	276	2	3,028	3,143	121	-115
85+00	100	9	0	85	0	35	0	305	2	3,062	3,492	122	-429
86+00	100	8	0	76	0	33	0	298	2	3,095	3,832	124	-737
87+00	100	11	0	63	1	36	0	257	2	3,131	4,127	125	-996
88+00	100	13	0	57	1	46	0	222	2	3,177	4,380	127	-1,203
89+00	100	12	0	66	1	46	0	227	2	3,223	4,639	129	-1,416
90+00	100	15	0	54	1	50	0	222	3	3,273	4,892	131	-1,619
91+00	100	16	0	63	1	58	0	215	3	3,331	5,137	133	-1,806
92+00	100	20	0	65	1	67	0	236	3	3,398	5,405	136	-2,007
93+00	100	25	0	39	1	85	0	191	4	3,483	5,621	139	-2,139
94+00	100	31	0	121	2	104	0	296	5	3,587	5,957	143	-2,370
95+00	100	29	0	133	1	110	0	470	6	3,697	6,493	148	-2,796
96+00	100	25	0	175	1	100	0	569	5	3,797	7,142	152	-3,346
97+00	100	22	0	265	1	88	0	815	4	3,885	8,075	155	-4,190
98+00	100	18	0	411	1	75	0	1,252	4	3,960	9,511	158	-5,551
99+00	100	16	0	438	1	64	0	1,572	3	4,024	11,316	161	-7,292
100+00	100	17	0	368	1	62	0	1,493	3	4,086	13,031	163	-8,944
101+00	100	17	0	381	1	63	0	1,387	3	4,149	14,623	166	-10,474
102+00	100	17	0	213	1	62	0	1,100	3	4,211	15,885	168	-11,674
103+00	100	46	0	0	2	116	0	394	6	4,327	16,333	173	-12,007
104+00	100	14	0	101	1	111	0	188	6	4,437	16,544	177	-12,107
105+00	100	16	0	100	1	56	0	373	3	4,493	16,971	180	-12,478
106+00	100	18	0	120	1	63	0	408	3	4,556	17,437	182	-12,881
107+00	100	18	0	112	1	65	0	429	3	4,622	17,928	185	-13,306
108+00	100	19	0	204	1	68	0	584	3	4,689	18,597	188	-13,907
109+00	100	20	0	181	1	72	0	712	4	4,762	19,412	190	-14,651
110+00	100	18	0	223	1	71	0	749	4	4,833	20,270	193	-15,437

DIVISION 1 (STA 38+55TR - STA 237+00TR): IH 94 WB TEMP ROAD(STAGE 1B)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.00 1.15	0.80 Note 6	Note 7
111+00	100	15	0	290	1	61	0	950	3	4,894	21,360	196	-16,466
112+00	100	15	0	242	1	56	0	984	3	4,950	22,489	198	-17,539
113+00	100	17	0	170	1	60	0	763	3	5,009	23,363	200	-18,354
114+00	100	16	0	225	1	60	0	733	3	5,070	24,203	203	-19,133
115+00	100	14	0	190	1	55	0	768	3	5,124	25,084	205	-19,959
116+00	100	13	0	179	1	49	0	683	2	5,173	25,867	207	-20,694
117+00	100	13	0	99	1	48	0	516	2	5,222	26,459	209	-21,237
118+00	100	13	0	89	1	49	0	349	2	5,271	26,858	211	-21,587
119+00	100	12	0	79	1	46	0	311	2	5,317	27,213	213	-21,896
120+00	100	12	0	46	1	44	0	231	2	5,361	27,477	214	-22,116
121+00	100	13	0	34	1	45	0	148	2	5,406	27,645	216	-22,239
122+00	100	63	0	10	3	141	0	82	7	5,547	27,732	222	-22,185
123+00	100	232	0	8	12	546	0	34	27	6,093	27,746	244	-21,653
124+00	100	300	0	8	15	983	0	30	49	7,076	27,735	283	-20,658
125+00	100	315	0	9	16	1,138	0	31	57	8,214	27,719	329	-19,505
126+00	100	337	0	11	17	1,208	0	37	60	9,422	27,706	377	-18,284
127+00	100	328	0	14	16	1,232	0	46	62	10,654	27,702	426	-17,048
128+00	100	299	0	15	15	1,160	0	53	58	11,814	27,709	473	-15,895
129+00	100	314	0	9	16	1,135	0	45	57	12,949	27,708	518	-14,759
130+00	100	373	0	2	19	1,273	0	22	64	14,222	27,675	569	-13,453
131+00	100	404	0	0	20	1,440	0	4	72	15,662	27,613	626	-11,951
132+00	100	416	0	5	21	1,518	0	9	76	17,181	27,554	687	-10,373
133+00	100	413	0	2	21	1,535	0	12	77	18,715	27,497	749	-8,782
134+00	100	435	0	0	22	1,571	0	4	79	20,286	27,430	811	-7,144
135+00	100	384	0	0	19	1,517	0	0	76	21,803	27,360	872	-5,557
136+00	100	413	0	0	21	1,476	0	0	74	23,280	27,292	931	-4,013
137+00	100	221	0	0	11	1,174	0	0	59	24,454	27,238	978	-2,785
138+00	100	29	0	0	1	463	0	0	23	24,916	27,217	997	-2,301
139+00	100	0	0	114	0	54	0	210	3	24,970	27,456	999	-2,486
140+00	100	0	0	205	0	0	0	590	0	24,970	28,135	999	-3,165
141+00	100	0	0	147	0	0	0	653	0	24,970	28,886	999	-3,916
142+00	100	0	0	138	0	0	0	528	0	24,970	29,493	999	-4,523
143+00	100	0	0	31	0	0	0	313	0	24,970	29,853	999	-4,883
144+00	100	0	0	28	0	0	0	110	0	24,970	29,980	999	-5,010
145+00	100	0	0	137	0	0	0	305	0	24,970	30,331	999	-5,361
146+00	100	0	0	227	0	0	0	673	0	24,970	31,105	999	-6,135
147+00	100	0	0	243	0	0	0	869	0	24,970	32,104	999	-7,134
148+00	100	0	0	254	0	0	0	919	0	24,970	33,162	999	-8,192
149+00	100	2	0	183	0	4	0	810	0	24,974	34,093	999	-9,119
150+00	100	2	0	157	0	7	0	630	0	24,981	34,816	999	-9,836
151+00	100	11	0	149	1	22	0	566	1	25,003	35,466	1,000	-10,463
152+00	100	12	0	137	1	42	0	530	2	25,046	36,073	1,002	-11,028
153+00	100	13	0	136	1	47	0	506	2	25,093	36,653	1,004	-11,561
154+00	100	13	0	95	1	49	0	429	2	25,141	37,145	1,006	-12,003
155+00	100	14	0	94	1	50	0	351	2	25,191	37,546	1,008	-12,355
156+00	100	12	0	104	1	47	0	367	2	25,239	37,966	1,010	-12,728
157+00	100	10	0	135	1	41	0	442	2	25,280	38,473	1,011	-13,194
158+00	100	11	0	172	1	39	0	567	2	25,319	39,124	1,013	-13,805
159+00	100	11	0	216	1	40	0	719	2	25,359	39,948	1,014	-14,590
160+00	100	13	0	172	1	43	0	719	2	25,402	40,774	1,016	-15,371
161+00	100	12	0	154	1	46	0	604	2	25,449	41,466	1,018	-16,017
162+00	100	12	0	186	1	46	0	631	2	25,495	42,189	1,020	-16,694
163+00	100	15	0	138	1	51	0	600	3	25,545	42,877	1,022	-17,332
164+00	100	15	0	149	1	55	0	530	3	25,600	43,484	1,024	-17,884
165+00	100	11	0	110	1	48	0	479	2	25,648	44,033	1,026	-18,385
166+00	100	12	0	71	1	42	0	336	2	25,691	44,418	1,028	-18,727
167+00	100	13	0	136	1	47	0	384	2	25,738	44,857	1,030	-19,119
168+00	100	12	0	144	1	46	0	518	2	25,784	45,450	1,031	-19,666
169+00	100	11	0	157	1	42	0	556	2	25,826	46,088	1,033	-20,262
170+00	100	10	0	153	1	40	0	574	2	25,866	46,746	1,035	-20,880
171+00	100	11	0	143	1	39	0	548	2	25,905	47,375	1,036	-21,470
172+00	100	13	0	126	1	44	0	499	2	25,949	47,946	1,038	-21,998
173+00	100	12	0	75	1	45	0	372	2	25,994	48,372	1,040	-22,378
174+00	100	11	0	76	1	41	0	280	2	26,035	48,691	1,041	-22,656
175+00	100	12	0	107	1	42	0	339	2	26,077	49,079	1,043	-23,002
176+00	100	13	0	184	1	47	0	539	2	26,124	49,697	1,045	-23,573
177+00	100	12	0	209	1	46	0	728	2	26,170	50,532	1,047	-24,362
178+00	100	13	0	183	1	46	0	725	2	26,215	51,364	1,049	-25,148
179+00	100	13	0	182	1	48	0	675	2	26,263	52,138	1,051	-25,875
180+00	100	13	0	60	1	47	0	448	2	26,310	52,650	1,052	-26,340
181+00	100	41	0	28	2	100	0	163	5	26,410	52,833	1,056	-26,423
182+00	100	77	0	28	4	219	0	103	11	26,629	52,941	1,065	-26,312
183+00	100	97	0	26	5	322	0	100	16	26,952	53,042	1,078	-26,090

DIVISION 1 (STA 38+55TR - STA 237+00TR): IH 94 WB TEMP ROAD(STAGE 1B)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut 1.00 Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Note 7
184+00	100	152	0	22	8	461	0	90	23	27,412	53,124	1,096	-25,712
185+00	100	160	0	16	8	578	0	70	29	27,990	53,178	1,120	-25,188
186+00	100	201	0	15	10	669	0	58	33	28,659	53,214	1,146	-24,555
187+00	100	179	0	15	9	703	0	57	35	29,362	53,247	1,174	-23,885
188+00	100	158	0	14	8	623	0	55	31	29,985	53,282	1,199	-23,297
189+00	100	128	0	13	6	530	0	51	26	30,514	53,316	1,221	-22,802
190+00	100	133	0	11	7	483	0	45	24	30,998	53,346	1,240	-22,348
191+00	100	150	0	3	8	524	0	27	26	31,522	53,352	1,261	-21,830
192+00	100	136	0	5	7	530	0	16	27	32,052	53,347	1,282	-21,294
193+00	100	101	0	13	5	438	0	35	22	32,490	53,367	1,300	-20,877
194+00	100	51	0	27	3	281	0	75	14	32,771	53,440	1,311	-20,670
195+00	100	15	0	53	1	121	0	149	6	32,892	53,606	1,316	-20,713
196+00	100	13	0	160	1	50	0	395	3	32,943	54,058	1,318	-21,115
197+00	100	11	0	189	1	44	0	646	2	32,987	54,799	1,319	-21,813
198+00	100	14	0	170	1	47	0	664	2	33,034	55,561	1,321	-22,527
199+00	100	12	0	198	1	49	0	680	2	33,083	56,341	1,323	-23,258
200+00	100	13	0	139	1	45	0	623	2	33,128	57,055	1,325	-23,927
201+00	100	11	0	91	1	43	0	426	2	33,171	57,542	1,327	-24,371
202+00	100	14	0	26	1	46	0	218	2	33,217	57,790	1,329	-24,573
203+00	100	35	0	7	2	91	0	61	5	33,308	57,857	1,332	-24,549
204+00	100	16	0	7	1	95	0	26	5	33,402	57,882	1,336	-24,480
205+00	100	11	0	35	1	52	0	79	3	33,454	57,971	1,338	-24,517
206+00	100	13	0	36	1	45	0	133	2	33,499	58,121	1,340	-24,623
207+00	100	12	0	58	1	46	0	175	2	33,544	58,321	1,342	-24,777
208+00	100	11	0	112	1	42	0	315	2	33,586	58,682	1,343	-25,096
209+00	100	11	0	169	1	40	0	520	2	33,626	59,279	1,345	-25,653
210+00	100	10	0	162	1	39	0	613	2	33,665	59,982	1,347	-26,317
211+00	100	12	0	160	1	41	0	596	2	33,706	60,665	1,348	-26,959
212+00	100	12	0	189	1	44	0	645	2	33,749	61,406	1,350	-27,656
213+00	100	11	0	212	1	43	0	742	2	33,792	62,257	1,352	-28,465
214+00	100	11	0	214	1	41	0	788	2	33,833	63,162	1,353	-29,329
215+00	100	10	0	243	0	38	0	845	2	33,871	64,132	1,355	-30,261
216+00	100	9	0	180	0	36	0	783	2	33,907	65,031	1,356	-31,124
217+00	100	12	0	165	1	40	0	640	2	33,947	65,765	1,358	-31,818
218+00	100	0	0	178	0	23	0	636	1	33,970	66,496	1,359	-32,525
219+00	100	0	0	191	0	0	0	683	0	33,970	67,281	1,359	-33,311
220+00	100	0	0	188	0	0	0	702	0	33,970	68,089	1,359	-34,119
221+00	100	0	0	165	0	0	0	655	0	33,970	68,842	1,359	-34,872
222+00	100	0	0	100	0	0	0	491	0	33,970	69,407	1,359	-35,436
223+00	100	4	0	86	0	7	0	344	0	33,977	69,802	1,359	-35,824
224+00	100	10	0	185	1	26	0	502	1	34,003	70,377	1,360	-36,374
225+00	100	21	0	167	1	58	0	651	3	34,061	71,123	1,362	-37,063
226+00	100	34	0	162	2	101	0	609	5	34,162	71,819	1,366	-37,657
227+00	100	29	0	228	1	117	0	723	6	34,279	72,645	1,371	-38,366
228+00	100	34	0	247	2	117	0	880	6	34,396	73,652	1,376	-39,256
229+00	100	28	0	261	1	114	0	941	6	34,510	74,729	1,380	-40,219
230+00	100	57	0	234	3	157	0	917	8	34,667	75,776	1,387	-41,109
231+00	100	56	0	197	3	209	0	797	10	34,876	76,684	1,395	-41,808
232+00	100	76	0	113	4	245	0	573	12	35,121	77,332	1,405	-42,211
233+00	100	39	0	74	2	212	0	346	11	35,333	77,720	1,413	-42,387
234+00	100	33	0	22	2	133	0	179	7	35,466	77,920	1,419	-42,454
235+00	100	30	0	3	2	117	0	47	6	35,583	77,969	1,423	-42,386
236+00	300	30	0	0	1	366	0	277	18	35,699	78,022	1,428	-42,324
237+00	100	31	0	0	2	113	0	0	6	35,811	78,017	1,432	-42,206
						34,876	0	68,077	1,744				

DIVISION 2 (STA 49+62EB - STA 60+96EB): IH 94 EB (STAGE 2A)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Note 7
49+64		56	18	0	3								
50+00	36	55	18	0	3	74	24	0	4	74	-3	3	53
51+00	100	53	18	0	3	199	67	0	10	273	-13	11	195
52+00	100	51	18	2	3	191	67	4	10	464	-17	19	324
53+00	100	50	18	3	3	186	67	10	9	651	-14	26	441
54+00	100	52	18	0	3	189	67	6	9	840	-16	34	566
55+00	100	56	18	0	3	201	67	0	10	1,041	-26	42	709
56+00	100	56	18	0	3	208	67	0	10	1,249	-35	50	861
57+00	100	56	18	0	3	209	67	0	10	1,458	-45	58	1,012
58+00	100	67	18	0	3	229	67	0	11	1,687	-55	67	1,185
59+00	100	76	18	0	4	265	67	0	13	1,951	-68	78	1,395
60+00	100	72	18	0	4	274	67	0	14	2,226	-80	89	1,615
60+96	96	87	18	0	4	284	64	0	14	2,509	-93	100	1,848
						2,509	755	19	125				

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division. Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 2 (STA 82+00EB - STA 232+00EB): IH 94 EB (STAGE 2A) + 6' WIDENING

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.15	0.80 Note 6	Note 7
82+00		117	18	0	6								
83+00	100	84	18	0	4	373	67	0	19	373	-17	15	324
84+00	100	82	18	0	4	308	67	0	15	681	-31	27	579
85+00	100	86	18	0	4	312	67	0	16	993	-46	40	838
86+00	100	82	18	0	4	311	67	0	16	1,304	-60	52	1,097
87+00	100	128	18	0	6	388	67	0	19	1,692	-78	68	1,437
88+00	100	118	18	0	6	456	67	0	23	2,148	-99	86	1,847
89+00	100	118	18	6	6	438	67	11	22	2,586	-106	103	2,226
90+00	100	140	18	14	7	479	67	36	24	3,065	-86	123	2,618
91+00	100	182	18	9	9	596	67	41	30	3,662	-67	146	3,128
92+00	100	207	18	3	10	719	67	21	36	4,381	-76	175	3,790
93+00	100	151	18	1	8	663	67	6	33	5,044	-99	202	4,410
94+00	100	83	18	0	4	434	67	1	22	5,478	-118	219	4,796
95+00	100	78	18	0	4	298	67	0	15	5,776	-132	231	5,041
96+00	100	140	18	0	7	403	67	0	20	6,179	-150	247	5,396
97+00	100	150	18	0	7	536	67	0	27	6,715	-175	269	5,890
98+00	100	156	18	0	8	567	67	0	28	7,282	-201	291	6,417
99+00	100	110	18	5	5	493	67	10	25	7,775	-213	311	6,855
100+00	100	98	18	14	5	385	67	35	19	8,160	-190	326	7,150
101+00	100	110	18	0	6	386	67	25	19	8,546	-179	342	7,458
102+00	100	114	18	0	6	415	67	0	21	8,961	-198	358	7,826
103+00	100	110	18	0	6	415	67	0	21	9,376	-217	375	8,193
104+00	100	82	18	0	4	356	67	0	18	9,733	-233	389	8,499
105+00	100	107	18	0	5	350	67	0	17	10,082	-249	403	8,798
106+00	100	107	18	1	5	395	67	2	20	10,477	-265	419	9,143
107+00	100	107	18	0	5	396	67	2	20	10,874	-282	435	9,489
108+00	100	110	18	0	6	403	67	0	20	11,276	-300	451	9,843
109+00	100	113	18	0	6	412	67	0	21	11,689	-319	468	10,208
110+00	100	104	18	0	5	402	67	0	20	12,091	-338	484	10,561
111+00	100	103	18	0	5	383	67	0	19	12,474	-355	499	10,896
112+00	100	107	18	0	5	388	67	0	19	12,862	-373	514	11,235
113+00	100	100	18	0	5	384	67	0	19	13,246	-391	530	11,570
114+00	100	99	18	0	5	369	67	0	18	13,615	-408	545	11,889
115+00	100	100	18	0	5	369	67	0	18	13,984	-425	559	12,209
116+00	100	108	18	0	5	385	67	0	19	14,369	-442	575	12,545
117+00	100	105	18	0	5	394	67	0	20	14,763	-460	591	12,890
118+00	100	106	18	0	5	390	67	0	20	15,153	-478	606	13,232
119+00	100	105	18	0	5	390	67	0	20	15,544	-496	622	13,573
120+00	100	104	18	0	5	387	67	0	19	15,931	-514	637	13,912
121+00	100	100	18	0	5	378	67	0	19	16,309	-532	652	14,241
122+00	100	96	18	1	5	364	67	1	18	16,673	-547	667	14,554
123+00	100	109	18	0	5	380	67	1	19	17,053	-563	682	14,882
124+00	100	108	18	13	5	401	67	25	20	17,454	-553	698	15,207
125+00	100	105	18	0	5	394	67	25	20	17,848	-542	714	15,524
126+00	100	111	18	0	6	399	67	0	20	18,247	-561	730	15,875
127+00	100	105	18	0	5	400	67	0	20	18,647	-579	746	16,226
128+00	100	104	18	0	5	387	67	0	19	19,034	-597	761	16,565
129+00	100	96	18	0	5	370	67	0	19	19,405	-613	776	16,885
130+00	100	98	18	0	5	360	67	0	18	19,765	-629	791	17,194
131+00	100	95	18	1	5	357	67	2	18	20,122	-643	805	17,498
132+00	100	92	18	0	5	347	67	2	17	20,469	-657	819	17,792
133+00	100	98	18	0	5	352	67	0	18	20,821	-673	833	18,093
134+00	100	96	18	1	5	358	67	2	18	21,178	-687	847	18,399
135+00	100	96	18	0	5	355	67	2	18	21,534	-701	861	18,702
136+00	100	102	18	0	5	367	67	0	18	21,901	-718	876	19,019
137+00	100	99	18	0	5	372	67	0	19	22,273	-735	891	19,342
138+00	100	96	18	0	5	361	67	0	18	22,634	-752	905	19,653
139+00	100	99	18	0	5	361	67	0	18	22,995	-769	920	19,964
140+00	100	98	18	0	5	364	67	0	18	23,359	-785	934	20,278
141+00	100	98	18	0	5	364	67	0	18	23,723	-802	949	20,592
142+00	100	102	18	0	5	371	67	0	19	24,094	-819	964	20,913
143+00	100	100	18	0	5	374	67	0	19	24,468	-836	979	21,238
144+00	100	102	18	0	5	373	67	0	19	24,842	-854	994	21,562
145+00	100	101	18	0	5	375	67	0	19	25,217	-871	1,009	21,887
146+00	100	98	18	0	5	369	67	0	18	25,585	-888	1,023	22,207
147+00	100	92	18	0	5	353	67	0	18	25,939	-904	1,038	22,509
148+00	100	97	18	0	5	350	67	0	18	26,289	-920	1,052	22,809
149+00	100	90	18	0	4	346	67	0	17	26,635	-936	1,065	23,104
150+00	100	91	18	0	5	335	67	0	17	26,970	-951	1,079	23,388

DIVISION 2 (STA 82+00EB - STA 232+00EB): IH 94 EB (STAGE 2A) + 6' WIDENING

STATION	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	1.00 Note 1	1.15	0.80 Note 6	Note 7
151+00	100	96	18	0	5	347	67	0	17	27,317	-967	1,093	23,684
152+00	100	98	18	0	5	360	67	0	18	27,677	-984	1,107	23,994
153+00	100	113	18	0	6	391	67	0	20	28,067	-1,002	1,123	24,336
154+00	100	118	18	0	6	428	67	0	21	28,495	-1,022	1,140	24,716
155+00	100	116	18	0	6	434	67	0	22	28,929	-1,042	1,157	25,104
156+00	100	112	18	46	6	422	67	84	21	29,351	-964	1,174	25,381
157+00	100	110	18	0	5	411	67	84	21	29,762	-886	1,190	25,648
158+00	100	107	18	0	5	402	67	0	20	30,164	-904	1,207	26,002
159+00	100	107	18	0	5	397	67	0	20	30,561	-922	1,222	26,350
160+00	100	102	18	0	5	387	67	0	19	30,949	-940	1,238	26,689
161+00	100	103	18	0	5	381	67	0	19	31,329	-958	1,253	27,020
162+00	100	105	18	6	5	386	67	11	19	31,715	-963	1,269	27,345
163+00	100	103	18	0	5	384	67	11	19	32,099	-968	1,284	27,668
164+00	100	101	18	0	5	377	67	0	19	32,476	-986	1,299	27,995
165+00	100	101	18	0	5	373	67	0	19	32,849	-1,003	1,314	28,319
166+00	100	102	18	0	5	376	67	0	19	33,225	-1,020	1,329	28,645
167+00	100	98	18	0	5	371	67	0	19	33,596	-1,037	1,344	28,966
168+00	100	99	18	0	5	365	67	0	18	33,960	-1,054	1,358	29,281
169+00	100	99	18	0	5	366	67	0	18	34,327	-1,071	1,373	29,597
170+00	100	104	18	0	5	376	67	0	19	34,702	-1,088	1,388	29,924
171+00	100	108	18	0	5	393	67	0	20	35,095	-1,106	1,404	30,268
172+00	100	109	18	0	5	402	67	0	20	35,497	-1,124	1,420	30,621
173+00	100	107	18	0	5	399	67	0	20	35,896	-1,143	1,436	30,972
174+00	100	107	18	0	5	397	67	0	20	36,293	-1,161	1,452	31,321
175+00	100	101	18	0	5	386	67	0	19	36,679	-1,179	1,467	31,658
176+00	100	91	18	0	5	356	67	0	18	37,036	-1,195	1,481	31,964
177+00	100	80	18	0	4	318	67	0	16	37,353	-1,210	1,494	32,230
178+00	100	88	18	0	4	312	67	0	16	37,665	-1,224	1,507	32,490
179+00	100	89	18	0	4	328	67	0	16	37,994	-1,239	1,520	32,766
180+00	100	93	18	0	5	338	67	0	17	38,331	-1,255	1,533	33,053
181+00	100	90	18	5	4	339	67	10	17	38,671	-1,259	1,547	33,329
182+00	100	65	18	0	3	287	67	10	14	38,957	-1,261	1,558	33,551
183+00	100	85	18	0	4	278	67	0	14	39,235	-1,273	1,569	33,775
184+00	100	84	18	0	4	313	67	0	16	39,548	-1,288	1,582	34,036
185+00	100	76	18	8	4	297	67	15	15	39,845	-1,284	1,594	34,262
186+00	100	82	18	0	4	293	67	15	15	40,137	-1,280	1,605	34,484
187+00	100	81	18	3	4	302	67	5	15	40,440	-1,288	1,618	34,728
188+00	100	83	18	0	4	305	67	5	15	40,745	-1,297	1,630	34,975
189+00	100	82	18	3	4	306	67	6	15	41,051	-1,304	1,642	35,222
190+00	100	81	18	2	4	301	67	10	15	41,353	-1,307	1,654	35,459
191+00	100	84	18	0	4	306	67	4	15	41,658	-1,316	1,666	35,708
192+00	100	84	18	0	4	312	67	0	16	41,970	-1,330	1,679	35,967
193+00	100	87	18	0	4	318	67	0	16	42,288	-1,345	1,692	36,233
194+00	100	88	18	0	4	325	67	0	16	42,614	-1,360	1,705	36,507
195+00	100	79	18	0	4	311	67	0	16	42,924	-1,374	1,717	36,765
196+00	100	77	18	0	4	290	67	0	15	43,214	-1,388	1,729	37,002
197+00	100	78	18	0	4	287	67	0	14	43,502	-1,401	1,740	37,236
198+00	100	75	18	0	4	284	67	0	14	43,786	-1,414	1,751	37,466
199+00	100	68	18	11	3	265	67	20	13	44,051	-1,403	1,762	37,654
200+00	100	70	18	8	3	254	67	34	13	44,306	-1,375	1,772	37,815
201+00	100	68	18	16	3	255	67	44	13	44,561	-1,336	1,782	37,964
202+00	100	67	18	6	3	250	67	41	12	44,811	-1,300	1,792	38,111
203+00	100	66	18	2	3	246	67	15	12	45,057	-1,294	1,802	38,284
204+00	100	62	18	3	3	238	67	10	12	45,295	-1,293	1,812	38,455
205+00	100	74	18	0	4	252	67	6	13	45,547	-1,298	1,822	38,645
206+00	100	75	18	0	4	278	67	0	14	45,825	-1,311	1,833	38,869
207+00	100	77	18	3	4	282	67	6	14	46,106	-1,317	1,844	39,090
208+00	100	79	18	0	4	288	67	6	14	46,395	-1,323	1,856	39,317
209+00	100	82	18	0	4	299	67	0	15	46,694	-1,336	1,868	39,563
210+00	100	78	18	0	4	297	67	0	15	46,991	-1,350	1,880	39,807
211+00	100	73	18	0	4	280	67	0	14	47,271	-1,363	1,891	40,034
212+00	100	67	18	1	3	260	67	1	13	47,531	-1,374	1,901	40,238
213+00	100	64	18	4	3	242	67	9	12	47,773	-1,375	1,911	40,415
214+00	100	75	18	0	4	257	67	8	13	48,030	-1,378	1,921	40,608
215+00	100	74	18	4	4	275	67	7	14	48,305	-1,383	1,932	40,821
216+00	100	67	18	2	3	261	67	10	13	48,566	-1,384	1,943	41,016
217+00	100	68	18	1	3	250	67	5	12	48,815	-1,389	1,953	41,205
218+00	100	68	18	0	3	252	67	3	13	49,067	-1,398	1,963	41,398
219+00	100	68	18	5	3	253	67	9	13	49,320	-1,399	1,973	41,586

CONTINUED ON NEXT SHEET

CONTINUED ON PROM PREVIOUS SHEET

DIVISION 2 (STA 82+00EB - STA 232+00EB): IH 94 EB (STAGE 2A) + 6' WIDENING

STATION	Distance	Area Cut (SF)	Area Salvaged/Unusable Pavement Material (SF)	Area Fill (SF)	Area EBS (SF)	Incremental Volume (Unadjusted) Cut Note 1 (CY)	Incremental Volume (Unadjusted) Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted) Fill Note 3 (CY)	Incremental Volume (Unadjusted) EBS (CY)	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
220+00	100	68	18	0	3	252	67	9	13	49,572	-1,400	1,983	41,772
221+00	100	73	18	0	4	261	67	0	13	49,833	-1,412	1,993	41,978
222+00	100	78	18	0	4	280	67	0	14	50,113	-1,425	2,005	42,205
223+00	100	79	18	0	4	291	67	0	15	50,404	-1,439	2,016	42,443
224+00	100	79	18	0	4	294	67	0	15	50,698	-1,452	2,028	42,683
225+00	100	80	18	0	4	295	67	0	15	50,993	-1,466	2,040	42,925
226+00	100	76	18	0	4	288	67	0	14	51,281	-1,479	2,051	43,160
227+00	100	73	18	0	4	276	67	0	14	51,557	-1,492	2,062	43,382
228+00	100	65	18	0	3	256	67	1	13	51,813	-1,502	2,073	43,582
229+00	100	61	18	2	3	233	67	5	12	52,046	-1,507	2,082	43,753
230+00	100	66	18	16	3	235	67	34	12	52,281	-1,479	2,091	43,894
231+00	100	53	18	19	3	220	67	64	11	52,501	-1,416	2,100	43,984
232+00	100	54	18	0	3	199	67	35	10	52,701	-1,385	2,108	44,086
						52,701	10,000	903	2,635				

DIVISION 2 (STA 93+00SWB - 96+00SWB): SWB RAMP TEMPORARY (STAGE 2A)

Station	Distance	Area Cut (SF)	Area Salvaged/Unusable Pavement Material (SF)	Area Fill (SF)	Area EBS (SF)	Incremental Volume (Unadjusted) Cut Note 1 (CY)	Incremental Volume (Unadjusted) Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted) Fill Note 3 (CY)	Incremental Volume (Unadjusted) EBS (CY)	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
93+00		39	0	0	0								
93+50	50	37	0	0	0	71	0	0	0	71	0	0	70
94+00	50	35	0	23	0	67	0	21	0	137	25	0	113
94+50	50	24	0	47	0	54	0	65	0	191	99	0	92
95+00	50	16	0	59	0	37	0	98	0	229	212	0	17
95+50	50	0	0	0	0	15	0	55	0	244	275	0	-31
96+00	50	0	0	0	0	0	0	0	0	244	275	0	-31
						244	0	239	0				

DIVISION 2 (STA 70+00SWA - STA 75+50SWA): REMOVE SWA RAMP (STAGE 2B)

Station	Distance	Area Cut (SF)	Area Salvaged/Unusable Pavement Material (SF)	Area Fill (SF)	Area EBS (SF)	Incremental Volume (Unadjusted) Cut Note 1 (CY)	Incremental Volume (Unadjusted) Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted) Fill Note 3 (CY)	Incremental Volume (Unadjusted) EBS (CY)	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
70+00		0	0	0	0								
70+50	50	0	0	0	0	0	0	0	0	0	0	0	0
71+00	50	0	0	0	0	0	0	0	0	0	0	0	0
71+50	50	26	0	0	0	24	0	0	0	24	0	0	24
72+00	50	108	0	0	0	124	0	0	0	147	0	0	147
72+50	50	163	0	0	0	250	0	0	0	398	0	0	398
73+00	50	170	0	0	0	308	0	0	0	706	0	0	706
73+50	50	120	0	0	0	269	0	0	0	974	0	0	974
74+00	50	70	0	0	0	176	0	0	0	1,150	0	0	1,150
74+50	50	75	0	0	0	134	0	0	0	1,285	0	0	1,285
75+00	50	50	0	0	0	116	0	0	0	1,400	0	0	1,400
75+50	50	0	0	0	0	46	0	0	0	1,447	0	0	1,447
						1,447	0	0	0				

DIVISION 2 (STA 60+97EB - STA 82+00EB): IH 94 EB (STAGE 2B)

Station	Distance	Area Cut (SF)	Area Salvaged/Unusable Pavement Material (SF)	Area Fill (SF)	Area EBS (SF)	Incremental Volume (Unadjusted) Cut Note 1 (CY)	Incremental Volume (Unadjusted) Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted) Fill Note 3 (CY)	Incremental Volume (Unadjusted) EBS (CY)	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.15	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
60+96			18	0	0								
61+00	4	87	18	0	4	12	2	0	0	12	0	0	10
62+00	100	46	18	0	2	246	67	0	12	258	-12	10	200
63+00	100	58	18	0	3	193	67	0	10	450	-20	18	335
64+00	100	70	18	0	3	236	67	0	12	686	-31	27	514
65+00	100	66	18	1	3	252	67	2	13	938	-40	37	709
66+00	100	64	18	0	3	242	67	2	12	1,180	-50	47	894
67+00	100	64	18	0	3	237	67	0	12	1,417	-61	56	1,076
68+00	100	57	18	0	3	224	67	0	11	1,641	-71	65	1,243
69+00	100	57	18	0	3	211	67	0	11	1,852	-81	74	1,397
70+00	100	57	18	0	3	211	67	0	11	2,064	-90	82	1,552
71+00	100	54	18	0	3	205	67	0	10	2,269	-100	91	1,700
72+00	100	58	18	0	3	206	67	0	10	2,475	-109	99	1,849
73+00	100	59	18	0	3	217	67	0	11	2,692	-119	107	2,009
74+00	100	60	18	0	3	222	67	0	11	2,914	-129	116	2,174
75+00	100	58	18	0	3	219	67	0	11	3,133	-140	125	2,337
76+00	100	63	18	0	3	224	67	0	11	3,357	-150	134	2,504
77+00	100	61	18	0	3	230	67	0	11	3,587	-160	143	2,678
78+00	100	62	18	0	3	229	67	0	11	3,815	-171	152	2,851
79+00	100	64	18	0	3	233	67	0	12	4,049	-182	162	3,028
80+00	100	66	18	5	3	240	67	9	12	4,289	-182	171	3,203
81+00	100	123	18	0	6	351	67	9	18	4,640	-188	185	3,492
82+00	100	88	18	0	4	390	67	0	20	5,030	-206	201	3,834
						5,030	1,402	22	251				

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division. Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 2 (STA 81+92SW - 90+20SW): SW RAMP (STAGE 2A)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Note 7
81+92		49	0	5	0								
82+00	8	51	0	7	0	14	0	2	0	14	2	0	12
82+50	50	62	0	8	0	105	0	14	0	119	19	0	100
83+00	50	60	0	5	0	113	0	12	0	232	33	0	199
83+50	50	133	0	23	0	179	0	26	0	411	63	0	349
84+00	50	194	0	45	0	303	0	63	0	714	135	0	579
84+50	50	191	0	49	0	356	0	87	0	1,071	235	0	835
85+00	50	196	0	44	0	358	0	86	0	1,429	335	0	1,094
85+50	50	167	0	35	0	336	0	74	0	1,765	420	0	1,345
86+00	50	93	0	24	0	241	0	55	0	2,006	483	0	1,522
86+50	50	51	0	15	0	133	0	36	0	2,138	525	0	1,613
87+00	50	62	0	9	0	104	0	22	0	2,242	550	0	1,692
87+50	50	66	0	0	0	118	0	9	0	2,361	560	0	1,800
88+00	50	77	0	0	0	133	0	0	0	2,493	560	0	1,933
88+50	50	61	0	0	0	128	0	0	0	2,621	560	0	2,061
89+00	50	50	0	0	0	103	0	0	0	2,724	560	0	2,164
89+50	50	48	0	0	0	91	0	0	0	2,815	560	0	2,255
90+00	50	47	0	0	0	88	0	0	0	2,902	560	0	2,342
90+20	20	45	0	0	0	34	0	0	0	2,936	560	0	2,376
						2,936	0	487	0				

DIVISION 2 (STA 30+00 - 31+48): MAINTENANCE CROSSOVER 182+00 (STAGE 2A)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Note 7
30+00		133	0	0	7								
30+50	50	0	0	596	0	123	0	552	6	123	629	5	-506
31+00	50	0	0	295	0	0	0	825	0	123	1,579	5	-1,456
31+48	48	23	0	148	1	21	0	392	1	144	2,029	6	-1,885
						144	0	1,770	7				

DIVISION 2 (STA 10+00 - 10+91): MAINTENANCE CROSSOVER 104+35 (STAGE 2A)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Note 7
10+00		68	0	0	3								
10+50	50	172	0	0	9	222	0	0	11	222	-10	9	232
10+91	41	117	0	43	6	219	0	32	11	442	17	18	425
						442	0	32	22				

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division. Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 2 (STA 228+00EB - STA 237+00EB): IH 94 EB (STAGE 2C1)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
228+00		2	14	13	2								
229+00	100	1	14	23	2	6	52	66	6	6	70	5	-117
230+00	100	29	14	19	2	56	52	77	8	61	151	11	-194
231+00	100	283	14	0	2	578	52	35	9	639	183	19	300
232+00	100	200	14	0	2								
233+00	100	187	14	2	2	717	52	5	6	717	0	5	665
234+00	100	80	14	0	2	494	52	4	8	1,211	-2	11	1,110
235+00	100	75	14	0	1	286	52	0	7	1,498	-9	17	1,351
236+00	100	38	14	15	2	208	52	27	7	1,706	16	23	1,482
237+00	100	0	14	0	2	70	52	27	7	1,775	41	28	1,475
						1,775	259	64	35				

DIVISION 2 (STA 228+00EB - STA 237+00EB): IH 94 EB (STAGE 2C2)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
228+00		0	14	0	2								
229+00	100	0	14	0	2	0	52	0	6	0	-6	5	-46
230+00	100	0	14	0	2	0	52	0	8	0	-13	11	-91
231+00	100	0	14	0	2	0	52	0	9	0	-21	19	-134
232+00	100	0	14	4	2								
233+00	100	0	14	9	2	0	52	25	6	0	23	5	-75
234+00	100	1	14	8	2	1	52	32	8	1	52	11	-155
235+00	100	0	14	31	1	1	52	72	7	2	128	17	-281
236+00	100	3	14	11	2	5	52	77	7	7	211	23	-411
237+00	100	0	14	0	2	5	52	20	7	13	228	28	-474
						13	259	226	35				

DIVISION 2 (STA 230+50WB - STA 239+59WB): IH 94 WB (STAGE 2C1)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
230+50		8	14	121	0								
231+00	50	42	14	117	2	47	26	220	2	47	250	2	-230
232+00	100	42	14	85	2	155	52	374	8	202	674	8	-549
233+00	100	49	14	50	2	167	52	251	8	369	954	15	-715
234+00	100	47	14	35	2	177	52	157	9	546	1,127	22	-763
235+00	100	45	14	23	2	170	52	106	9	716	1,242	29	-759
236+00	100	42	14	51	2	162	52	136	8	878	1,391	35	-798
237+00	100	48	14	70	2	167	52	225	8	1,045	1,642	42	-934
238+00	100	46	14	0	2	173	52	130	9	1,218	1,783	49	-954
239+00	100	46	14	0	2	170	52	0	9	1,389	1,776	56	-828
239+59	59	39	14	6	2	93	31	7	5	1,482	1,779	59	-769
						1,482	471	1,607	74				

DIVISION 2 (STA 230+50WB - STA 239+59WB): IH 94 WB (STAGE 2C2)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
230+50		61	14	13	3								
231+00	50	32	14	9	2	86	26	21	4	86	20	3	40
232+00	100	36	14	1	2	125	52	20	6	211	37	8	96
233+00	100	36	14	1	2	133	52	5	7	344	37	14	177
234+00	100	38	14	0	2	137	52	3	7	481	34	19	266
235+00	100	37	14	0	2	139	52	0	7	620	27	25	359
236+00	100	34	14	1	2	132	52	2	7	752	23	30	443
237+00	100	34	14	9	2	126	52	19	6	878	39	35	502
238+00	100	33	14	21	2	125	52	56	6	1,003	98	40	516
239+00	100	41	14	9	2	137	52	56	7	1,140	156	46	544
239+59	59	35	14	8	2	82	31	18	4	1,223	173	49	578
						1,223	471	200	61				

DIVISION 2 (STA 225+65XO - STA 230+53XO): IH 94 WB TEMP TO IH 94 WB (STAGE 2C1)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
225+65	0	13	0	20	1	0	0	0	0	0	0	0	0
226+00	35	12	0	17	1	16	0	24	1	16	27	1	-11
227+00	100	9	0	40	0	38	0	106	2	55	146	2	-92
228+00	100	10	0	100	0	34	0	259	2	89	443	4	-354
229+00	100	10	0	92	0	36	0	355	2	125	849	5	-724
230+00	100	10	0	78	0	35	0	313	2	160	1,208	6	-1,048
230+53	53	9	0	69	0	18	0	144	1	179	1,373	7	-1,194
						179	0	1,201	9				

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division.
Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 3 (STA 48+01EB - STA 95+92EB): IH 94 EB TEMPORARY WIDENING (STAGE 3AP1)

Station	Distance	Area: Cut (SF) Note 1	Area: Salvaged/Unusable Pavement Material (SF) Note 2	Area: Fill (SF) Note 3	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut (CY) Note 1	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material (CY) Note 2	Incremental Volume (Unadjusted): Fill (CY) Note 3	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
48+01		11	0	0	1								
49+00	99	11	0	3	1	40	0	5	2	40	4	2	36
50+00	100	16	0	12	1	49	0	28	2	89	33	4	56
51+00	100	13	0	17	1	53	0	55	3	142	93	6	48
52+00	100	14	0	16	1	51	0	62	3	193	163	8	30
53+00	100	17	0	18	1	58	0	63	3	250	232	10	18
54+00	100	16	0	17	1	61	0	64	3	311	303	12	9
55+00	100	19	0	16	1	66	0	61	3	377	370	15	7
56+00	100	22	0	16	1	77	0	59	4	454	433	18	21
57+00	100	19	0	17	1	77	0	60	4	530	499	21	31
58+00	100	23	0	17	1	77	0	63	4	608	568	24	40
59+00	100	29	0	15	1	96	0	59	5	704	632	28	72
60+00	100	33	0	12	2	115	0	49	6	819	683	33	136
61+00	100	32	0	5	2	121	0	30	6	940	712	38	228
62+00	100	55	0	0	3	163	0	9	8	1,103	715	44	388
63+00	100	38	0	7	2	173	0	14	9	1,275	722	51	553
64+00	100	44	0	2	2	152	0	17	8	1,428	735	57	693
65+00	100	37	0	3	2	151	0	8	8	1,579	737	63	842
66+00	100	49	0	3	2	160	0	11	8	1,739	742	70	997
67+00	100	27	0	13	1	142	0	30	7	1,880	770	75	1,110
68+00	100	21	0	9	1	90	0	41	5	1,971	813	79	1,158
69+00	100	23	0	9	1	82	0	33	4	2,053	847	82	1,205
70+00	100	23	0	10	1	85	0	35	4	2,138	884	86	1,254
71+00	100	27	0	9	1	94	0	35	5	2,231	919	89	1,312
72+00	100	32	0	6	2	110	0	29	5	2,341	947	94	1,394
73+00	100	37	0	7	2	128	0	25	6	2,469	970	99	1,500
74+00	100	39	0	6	2	141	0	24	7	2,611	991	104	1,619
75+00	100	41	0	5	2	148	0	21	7	2,759	1,009	110	1,750
76+00	100	46	0	3	2	162	0	15	8	2,921	1,018	117	1,902
77+00	100	50	0	1	2	178	0	8	9	3,098	1,020	124	2,079
78+00	100	45	0	0	2	175	0	3	9	3,273	1,014	131	2,259
79+00	100	43	0	4	2	163	0	7	8	3,436	1,015	137	2,421
80+00	100	46	0	6	2	165	0	19	8	3,601	1,029	144	2,572
81+00	100	110	0	0	6	288	0	12	14	3,889	1,029	156	2,860
82+00	100	111	0	0	6	409	0	0	20	4,299	1,010	172	3,289
83+00	100	98	0	5	5	388	0	9	19	4,687	1,003	187	3,684
84+00	100	78	0	11	4	327	0	30	16	5,014	1,022	201	3,992
85+00	100	93	0	21	5	316	0	61	16	5,330	1,077	213	4,253
86+00	100	59	0	24	3	280	0	83	14	5,610	1,160	224	4,450
87+00	100	81	0	23	4	258	0	86	13	5,868	1,247	235	4,621
88+00	100	139	0	0	7	407	0	42	20	6,275	1,277	251	4,998
89+00	100	137	0	0	7	510	0	0	26	6,785	1,254	271	5,531
90+00	100	151	0	0	8	533	0	0	27	7,318	1,229	293	6,088
91+00	100	193	0	0	10	637	0	0	32	7,955	1,200	318	6,755
92+00	100	178	0	0	9	687	0	0	34	8,642	1,168	346	7,474
93+00	100	145	0	0	7	599	0	0	30	9,241	1,141	370	8,100
94+00	100	108	0	0	5	470	0	0	23	9,710	1,119	388	8,591
95+00	100	70	0	33	3	330	0	62	17	10,041	1,175	402	8,865
95+92	92	63	0	21	3	227	0	93	11	10,267	1,272	411	8,995
						10,267	0	1,516	513				

DIVISION 3 (STA 705+32NEA - STA 711+00NEA): NEA RAMP TEMPORARY (STAGE 3AP1)

Station	Distance	Area: Cut (SF) Note 1	Area: Salvaged/Unusable Pavement Material (SF) Note 2	Area: Fill (SF) Note 3	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut (CY) Note 1	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material (CY) Note 2	Incremental Volume (Unadjusted): Fill (CY) Note 3	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
705+32		--	--	--	--								
705+50	18	8	--	--	1	3	--	--	0	3	0	0	3
706+00	50	6	--	14	1	14	--	13	1	16	13	1	3
706+50	50	7	--	23	1	13	--	35	1	29	52	2	23
707+00	50	5	--	34	1	12	--	53	1	41	112	3	71
707+50	50	3	--	38	0	8	--	66	1	49	187	4	138
708+00	50	3	--	44	0	5	--	75	1	54	273	4	219
708+50	50	3	--	43	0	5	--	80	1	60	365	5	305
709+00	50	4	--	27	0	6	--	65	1	66	438	5	373
709+50	50	14	--	11	1	16	--	35	2	82	478	7	396
710+00	50	14	--	2	1	26	--	12	3	108	489	9	381
710+50	50	12	--	--	1	24	--	2	2	132	489	11	357
711+00	50	--	--	--	--	11	--	--	1	142	488	11	345
						142	0	435	14				

DIVISION 3 (STA 99+00SEA - STA 104+83SEA): SEA RAMP TEMPORARY (STAGE 3AP2)

Station	Distance	Area: Cut (SF) Note 1	Area: Salvaged/Unusable Pavement Material (SF) Note 2	Area: Fill (SF) Note 3	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut (CY) Note 1	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material (CY) Note 2	Incremental Volume (Unadjusted): Fill (CY) Note 3	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
99+00		0	0	0	0								
100+00	100	12	0	21	1	22	0	39	2	22	42	2	-20
101+00	100	3	0	164	0	28	0	342	3	50	434	4	-384
102+00	100	0	0	84	0	6	0	459	1	56	961	4	-906
103+00	100	181	0	0	18	335	0	156	34	391	1,109	31	-719
104+00	100	101	0	5	10	521	0	9	52	912	1,072	73	-160
105+00	100	65	0	7	7	307	0	22	31	1,219	1,069	98	150
106+00	300	53	0	9	5	1,110	0	58	111	1,501	1,074	120	426
107+00	100	44	0	10	4	180	0	35	18	1,680	1,098	134	582
108+00	300	15	0	6	2	492	0	89	49	1,711	1,126	137	584
109+00	100	24	0	0	2	72	0	11	7	1,783	1,133	143	650
110+14	114	22	0	0	2	97	0	0	10	1,880	1,124	150	756
						3,170	0	1,221	317				

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division. Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 3 (STA 49+36WB - STA 65+00WB): IH 94 WB (STAGE 3B)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.15	0.80 Note 6	Note 7
49+36		84	18	0	4								
50+00	64	76	18	0	4	190	43	0	9	190	-9	8	156
51+00	100	69	18	1	3	269	67	2	13	459	-18	18	368
52+00	100	62	18	0	3	242	67	2	12	701	-27	28	552
53+00	100	61	18	0	3	228	67	0	11	928	-37	37	723
54+00	100	72	18	0	4	247	67	0	12	1,176	-49	47	915
55+00	100	79	18	0	4	281	67	0	14	1,456	-62	58	1,142
56+00	100	85	18	1	4	305	67	1	15	1,761	-74	70	1,393
57+00	100	94	18	1	5	331	67	3	17	2,092	-86	84	1,669
58+00	100	94	18	1	5	348	67	4	17	2,440	-97	98	1,961
59+00	100	102	18	0	5	364	67	3	18	2,804	-110	112	2,271
60+00	100	103	18	14	5	381	67	27	19	3,185	-96	127	2,571
61+00	100	117	18	9	6	409	67	42	20	3,593	-66	144	2,883
62+00	100	135	18	0	7	467	67	16	23	4,060	-69	162	3,287
63+00	100	61	18	0	3	363	67	0	18	4,424	-86	177	3,600
64+00	100	62	18	0	3	229	67	0	11	4,653	-97	186	3,773
65+00	100	64	18	0	3	233	67	0	12	4,886	-107	195	3,950
						4,886	1,043	102	244				

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division
Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 3 (STA 85+70WB - STA 230+50WB): IH 94 WB (STAGE 3B)

Station	Dist.	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded Rock Backfill	Reduced EBS In Fill	
	(FT)	(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.15	1.1	0.80 Note 6	Note 7
85+70		82	18	0	4									
86+00	30	101	18	0	5	103	20	0	5	103	-5	0	4	88
87+00	100	95	18	0	5	363	67	0	18	466	-21	0	19	401
88+00	100	76	18	0	4	316	67	0	16	783	-36	0	31	665
89+00	100	68	18	0	3	267	67	0	13	1,050	-48	0	42	878
90+00	100	71	18	0	4	258	67	0	13	1,308	-60	0	52	1,081
91+00	100	136	18	0	7	384	67	0	19	1,692	-78	0	68	1,416
92+00	100	163	18	0	8	554	67	0	28	2,245	-103	0	90	1,928
93+00	100	93	18	3	5	474	67	6	24	2,720	-118	0	109	2,351
94+00	100	89	18	3	4	338	67	12	17	3,058	-120	0	122	2,624
95+00	100	90	18	0	4	331	67	6	17	3,389	-128	0	136	2,897
96+00	100	87	18	0	4	328	67	0	16	3,717	-143	0	149	3,173
97+00	100	87	18	0	4	323	67	0	16	4,040	-158	0	162	3,444
98+00	100	94	18	0	5	334	67	0	17	4,374	-174	0	175	3,727
99+00	100	90	18	0	4	339	67	0	17	4,713	-189	0	189	4,015
100+00	100	86	18	0	4	325	67	0	16	5,038	-204	0	202	4,289
101+00	100	92	18	0	5	330	67	0	16	5,368	-219	0	215	4,567
102+00	100	95	18	0	5	346	67	0	17	5,714	-235	0	229	4,863
103+00	100	94	18	0	5	350	67	0	17	6,064	-251	0	243	5,162
104+00	100	133	18	0	7	420	67	0	21	6,485	-271	0	259	5,535
105+00	100	107	18	0	5	444	67	0	22	6,929	-291	0	277	5,933
106+00	100	100	18	4	5	384	67	7	19	7,313	-300	0	293	6,259
107+00	100	98	18	0	5	366	67	7	18	7,679	-309	0	307	6,567
108+00	100	100	18	0	5	366	67	0	18	8,045	-326	0	322	6,884
109+00	100	100	18	0	5	370	67	0	19	8,415	-343	0	337	7,204
110+00	100	102	18	0	5	374	67	0	19	8,789	-360	0	352	7,528
111+00	100	95	18	0	5	364	67	0	18	9,153	-377	0	366	7,843
112+00	100	87	18	0	4	336	67	0	17	9,489	-392	0	380	8,127
113+00	100	95	18	0	5	337	67	0	17	9,825	-408	0	393	8,413
114+00	100	93	18	0	5	348	67	0	17	10,174	-424	0	407	8,710
115+00	100	96	18	0	5	349	67	0	17	10,523	-440	0	421	9,009
116+00	100	90	18	14	5	344	67	25	17	10,867	-427	0	435	9,273
117+00	100	98	18	6	5	348	67	36	17	11,215	-401	0	449	9,529
118+00	100	111	18	2	6	386	67	14	19	11,601	-403	0	464	9,850
119+00	100	91	18	1	5	374	67	5	19	11,975	-415	0	479	10,169
120+00	100	137	18	1	7	422	67	3	21	12,397	-431	0	496	10,541
121+00	100	86	18	0	4	412	67	1	21	12,809	-448	0	512	10,903
122+00	100	82	18	0	4	311	67	0	16	13,121	-462	0	525	11,163
123+00	100	83	18	0	4	306	67	0	15	13,427	-476	0	537	11,416
124+00	100	84	18	0	4	309	67	0	15	13,735	-490	0	549	11,672
125+00	100	83	18	0	4	309	67	0	15	14,044	-505	0	562	11,929
126+00	100	88	18	0	4	317	67	0	16	14,361	-519	0	574	12,193
127+00	100	93	18	0	5	335	67	0	17	14,696	-535	0	588	12,477
128+00	100	88	18	0	4	335	67	0	17	15,031	-550	0	601	12,761
129+00	100	91	18	0	5	331	67	0	17	15,362	-565	0	614	13,040
130+00	100	96	18	0	5	346	67	0	17	15,708	-581	0	628	13,335
131+00	100	102	18	0	5	366	67	0	18	16,074	-598	0	643	13,651
132+00	100	99	18	0	5	372	67	0	19	16,446	-615	0	658	13,974
133+00	100	96	18	0	5	362	67	0	18	16,808	-632	0	672	14,286
134+00	100	103	18	0	5	370	67	0	18	17,178	-649	0	687	14,606
135+00	100	106	18	0	5	388	67	0	19	17,566	-667	0	703	14,946
136+00	100	103	18	0	5	387	67	0	19	17,953	-684	0	718	15,284
137+00	100	97	18	0	5	371	67	0	19	18,324	-702	0	733	15,605
138+00	100	97	18	0	5	359	67	0	18	18,683	-718	0	747	15,914
139+00	100	104	18	0	5	372	67	0	19	19,055	-735	0	762	16,236
140+00	100	100	18	0	5	378	67	0	19	19,433	-753	0	777	16,565
141+00	100	102	18	0	5	374	67	0	19	19,807	-770	0	792	16,889
142+00	100	110	18	0	5	392	67	0	20	20,198	-788	0	808	17,233
143+00	100	92	18	0	5	373	67	0	19	20,571	-805	0	823	17,556
144+00	100	98	18	0	5	352	67	0	18	20,924	-821	0	837	17,858
145+00	100	95	18	0	5	358	67	0	18	21,282	-838	0	851	18,166
146+00	100	97	18	0	5	356	67	0	18	21,638	-854	0	866	18,472
147+00	100	97	18	0	5	360	67	0	18	21,998	-871	0	880	18,782
148+00	100	95	18	0	5	356	67	0	18	22,354	-887	0	894	19,088
149+00	100	98	18	0	5	359	67	0	18	22,713	-903	0	909	19,396
150+00	100	106	18	0	5	378	67	0	19	23,091	-921	0	924	19,725

CONTINUED ON NEXT SHEET

DIVISION 3 (STA 85+70WB - STA 230+50WB): IH 94 WB (STAGE 3B)

Station	Dist. (FT)	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut 1.00 Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Expanded Rock Backfill 1.1	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
151+00	100	103	18	0	5	387	67	0	19	23,478	-939	0	939	20,063
152+00	100	104	18	0	5	383	67	0	19	23,861	-956	0	954	20,397
153+00	100	105	18	0	5	387	67	0	19	24,247	-974	0	970	20,734
154+00	100	104	18	0	5	387	67	0	19	24,634	-992	0	985	21,073
155+00	100	103	18	0	5	383	67	0	19	25,018	-1,009	0	1,001	21,407
156+00	100	96	18	0	5	368	67	0	18	25,386	-1,026	0	1,015	21,725
157+00	100	96	18	0	5	356	67	0	18	25,742	-1,043	0	1,030	22,031
158+00	100	95	18	0	5	354	67	0	18	26,095	-1,059	0	1,044	22,334
159+00	100	96	18	0	5	353	67	0	18	26,448	-1,075	0	1,058	22,636
160+00	100	101	18	0	5	365	67	0	18	26,813	-1,092	0	1,073	22,951
161+00	100	102	18	0	5	377	67	0	19	27,190	-1,109	0	1,088	23,279
162+00	100	100	18	0	5	374	67	0	19	27,565	-1,127	0	1,103	23,605
163+00	100	100	18	0	5	370	67	0	18	27,935	-1,144	0	1,117	23,925
164+00	100	97	18	0	5	366	67	0	18	28,300	-1,160	0	1,132	24,241
165+00	100	99	18	0	5	364	67	0	18	28,664	-1,177	0	1,147	24,554
166+00	100	100	18	0	5	369	67	0	18	29,033	-1,194	0	1,161	24,873
167+00	100	106	18	0	5	382	67	0	19	29,415	-1,212	0	1,177	25,206
168+00	100	106	18	0	5	392	67	0	20	29,807	-1,230	0	1,192	25,550
169+00	100	106	18	0	5	391	67	0	20	30,199	-1,248	0	1,208	25,893
170+00	100	111	18	0	6	401	67	0	20	30,599	-1,266	0	1,224	26,245
171+00	100	131	18	0	7	448	67	0	22	31,048	-1,287	0	1,242	26,647
172+00	100	123	18	0	6	470	67	0	24	31,518	-1,308	0	1,261	27,073
173+00	100	120	18	0	6	449	67	0	22	31,967	-1,329	0	1,279	27,476
174+00	100	120	18	0	6	445	67	0	22	32,412	-1,350	0	1,296	27,875
175+00	100	111	18	0	6	428	67	0	21	32,840	-1,369	0	1,314	28,255
176+00	100	108	18	0	5	405	67	0	20	33,245	-1,388	0	1,330	28,613
177+00	100	109	18	0	5	402	67	0	20	33,647	-1,406	0	1,346	28,967
178+00	100	102	18	0	5	392	67	0	20	34,039	-1,424	0	1,362	29,310
179+00	100	104	18	0	5	381	67	0	19	34,420	-1,442	0	1,377	29,642
180+00	100	101	18	0	5	380	67	0	19	34,800	-1,459	0	1,392	29,972
181+00	100	101	18	0	5	376	67	0	19	35,176	-1,477	0	1,407	30,299
182+00	100	93	18	0	5	360	67	0	18	35,536	-1,493	0	1,421	30,609
183+00	100	98	18	0	5	354	67	0	18	35,890	-1,510	0	1,436	30,912
184+00	100	94	18	0	5	357	67	0	18	36,246	-1,526	0	1,450	31,219
185+00	100	92	18	0	5	345	67	0	17	36,592	-1,542	0	1,464	31,513
186+00	100	94	18	0	5	344	67	0	17	36,935	-1,558	0	1,477	31,806
187+00	100	91	18	0	5	342	67	0	17	37,278	-1,573	0	1,491	32,097
188+00	100	89	18	0	4	334	67	0	17	37,611	-1,589	0	1,504	32,380
189+00	100	88	18	0	4	327	67	0	16	37,939	-1,604	0	1,518	32,656
190+00	100	85	18	0	4	320	67	0	16	38,258	-1,619	0	1,530	32,923
191+00	100	85	18	0	4	315	67	0	16	38,573	-1,633	0	1,543	33,186
192+00	100	85	18	0	4	314	67	0	16	38,888	-1,647	0	1,556	33,448
193+00	100	87	18	0	4	318	67	0	16	39,205	-1,662	0	1,568	33,714
194+00	100	86	18	0	4	320	67	0	16	39,526	-1,677	0	1,581	33,982
195+00	100	80	18	0	4	307	67	0	15	39,833	-1,691	0	1,593	34,237
196+00	100	80	18	0	4	297	67	0	15	40,129	-1,705	0	1,605	34,480
197+00	100	79	18	0	4	294	67	0	15	40,424	-1,718	0	1,617	34,721
198+00	100	82	18	0	4	297	67	0	15	40,721	-1,732	0	1,629	34,966
199+00	100	86	18	0	4	310	67	0	15	41,031	-1,746	0	1,641	35,223
200+00	100	89	18	0	4	324	67	0	16	41,354	-1,761	0	1,654	35,495
201+00	100	85	18	0	4	323	67	0	16	41,677	-1,776	0	1,667	35,766
202+00	100	87	18	5	4	320	67	9	16	41,997	-1,781	0	1,680	36,024
203+00	100	91	18	0	5	329	67	9	16	42,326	-1,786	0	1,693	36,292
204+00	100	121	18	0	6	393	67	0	20	42,719	-1,804	0	1,709	36,636
205+00	100	124	18	0	6	454	67	0	23	43,173	-1,825	0	1,727	37,044
206+00	100	121	18	0	6	452	67	0	23	43,625	-1,845	0	1,745	37,450
207+00	100	115	18	0	6	436	67	0	22	44,061	-1,866	0	1,762	37,839
208+00	100	115	18	0	6	426	67	0	21	44,487	-1,885	0	1,779	38,218
209+00	100	113	18	0	6	424	67	0	21	44,910	-1,904	0	1,796	38,594
210+00	100	115	18	0	6	422	67	1	21	45,333	-1,922	0	1,813	38,968
211+00	100	117	18	0	6	430	67	1	21	45,762	-1,942	0	1,830	39,350
212+00	100	116	18	0	6	432	67	0	22	46,195	-1,962	0	1,848	39,736
213+00	100	112	18	0	6	423	67	0	21	46,618	-1,981	0	1,865	40,112
214+00	100	105	18	1	5	402	67	2	20	47,020	-1,997	0	1,881	40,463
215+00	100	99	18	1	5	377	67	4	19	47,397	-2,010	0	1,896	40,787

CONTINUED ON NEXT SHEET

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division
Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 3 (STA 85+70WB - STA 230+50WB): IH 94 WB (STAGE 3B)

Station	Dist. (FT)	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut 1.00 Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Expanded Rock Backfill 1.1	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
216+00	100	92	18	0	5	352	67	1	18	47,749	-2,025	0	1,910	41,087
217+00	100	95	18	0	5	345	67	0	17	48,095	-2,041	0	1,924	41,382
218+00	100	95	18	0	5	352	67	0	18	48,446	-2,057	0	1,938	41,683
219+00	100	92	18	0	5	347	67	0	17	48,793	-2,073	0	1,952	41,979
220+00	100	86	18	0	4	330	67	0	17	49,123	-2,088	0	1,965	42,258
221+00	100	86	18	0	4	320	67	0	16	49,443	-2,103	0	1,978	42,526
222+00	100	84	18	0	4	316	67	0	16	49,759	-2,117	0	1,990	42,789
223+00	100	86	18	0	4	316	67	0	16	50,075	-2,132	0	2,003	43,053
224+00	100	83	18	0	4	314	67	0	16	50,389	-2,146	0	2,016	43,315
225+00	100	77	18	0	4	297	67	0	15	50,686	-2,160	0	2,027	43,559
226+00	100	76	18	0	4	283	67	0	14	50,969	-2,173	0	2,039	43,788
227+00	100	69	18	0	3	267	67	0	13	51,236	-2,185	0	2,049	44,001
228+00	100	53	18	7	3	226	67	14	11	51,463	-2,180	0	2,059	44,155
229+00	100	49	18	19	2	190	67	49	10	51,653	-2,132	0	2,066	44,232
230+00	100	53	18	14	3	190	67	62	9	51,843	-2,070	0	2,074	44,292
230+50	50	51	18	15	3	97	33	27	5	51,939	-2,043	0	2,078	44,329
						51,939	9,654	301	2,597					

DIVISION 3 (STA 100+72 - STA 109+50): NE RAMP (STAGE 3B)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
100+72		115	11	0	17								
101+00	28	77	11	0	12	99	12	0	15	99	-14	12	101
101+50	50	80	11	0	12	145	21	0	22	244	-34	29	245
102+00	50	78	11	0	12	147	21	0	22	390	-54	47	391
102+50	50	83	11	0	12	149	21	0	22	540	-74	65	540
103+00	50	89	11	0	13	159	21	0	24	699	-96	84	701
103+50	50	74	11	0	11	151	21	0	23	850	-117	102	851
104+00	50	53	11	1	8	117	21	1	18	967	-132	116	962
104+50	50	29	11	8	4	76	21	8	11	1,043	-133	125	1,018
105+00	50	10	11	21	2	36	21	27	5	1,079	-107	129	1,007
105+50	50	7	11	32	1	16	21	50	2	1,095	-52	131	948
106+00	50	9	11	39	1	15	21	66	2	1,110	22	133	868
106+50	50	37	11	42	6	42	21	75	6	1,152	103	138	808
107+00	50	57	11	32	9	87	21	69	13	1,239	171	149	807
107+50	50	47	11	13	7	97	21	42	15	1,336	206	160	848
108+00	50	53	11	7	8	93	21	19	14	1,429	215	171	911
108+50	50	60	11	0	9	104	21	7	16	1,533	208	184	1,001
109+00	50	50	11	0	8	102	21	0	15	1,635	194	196	1,096
109+50	50	56	11	0	8	98	21	0	15	1,733	180	208	1,188
						1,733	366	365	260				

DIVISION 3 (STA 133+50SEB - STA136+50SEB) SEB RAMP TEMPORARY (STAGE 3B)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
133+50		0	0	0	0								
134+00	50	10	0	2	0	9	0	1	0	9	2	0	7
134+50	50	13	0	9	0	21	0	10	0	29	13	0	17
135+00	50	15	0	20	0	25	0	27	0	55	43	0	12
135+50	50	1	0	24	0	15	0	41	0	69	90	0	-21
136+00	50	0	0	18	0	1	0	39	0	71	135	0	-65
136+50	50	0	0	0	0	0	0	17	0	71	155	0	-84
						71	0	135	0				

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division
Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 3 (STA 129+32 - STA 133+17): SE RAMP (STAGE 3B)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
129+32		39	11	0	2								
129+50	18	39	11	0	2	26	8	0	1	26	-1	1	20
130+00	50	46	11	0	2	78	21	0	4	105	-5	4	81
130+50	50	48	11	0	2	87	21	0	4	192	-9	8	151
131+00	50	48	11	0	2	89	21	0	4	281	-13	11	223
131+50	50	47	11	0	2	89	21	0	4	370	-17	15	296
132+00	50	53	11	0	3	93	21	0	5	462	-21	18	372
132+50	50	55	11	0	3	100	21	0	5	562	-26	22	455
133+00	50	61	11	0	3	107	21	0	5	669	-31	27	546
133+17	17	64	11	0	3	40	7	0	2	709	-33	28	581
						709	161	0	35				

DIVISION 3 (STA 76+50 - STA 78+84): SW RAMP (STAGE 3B)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
76+50		27	1	206	1								
77+00	50	17	1	110	1	40	2	292	2	40	334	2	-296
77+50	50	22	1	40	1	36	2	139	2	76	492	3	-421
78+00	50	23	1	0	1	41	2	37	2	117	534	5	-424
78+50	50	24	1	0	1	43	2	0	2	160	532	6	-381
						160	10	469	8				

DIVISION 3 (STA 23+52 - STA 27+00): USH 10 EB (STAGE 3B)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
23+52		3	1	0	0								
24+00	48	22	1	56	1	22	2	50	1	22	56	1	-37
24+50	50	34	1	121	2	52	2	164	3	73	243	3	-174
25+00	50	37	1	124	2	66	2	227	3	140	501	6	-368
25+50	50	37	1	119	2	69	2	225	3	209	757	8	-557
26+00	50	39	1	106	2	70	2	209	4	279	993	11	-726
26+50	50	42	1	104	2	74	2	194	4	354	1,213	14	-874
27+00	50	48	1	167	2	83	2	251	4	437	1,498	17	-1,078
						437	17	1,320	22				

DIVISION 3 (STA 34+00 - STA 37+32): USH 10 WB (STAGE 3B)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
34+00		37	1	0	2								
34+50	50	24	1	9	1	56	2	8	3	56	7	2	47
35+00	50	16	1	46	1	36	2	51	2	92	63	4	25
35+50	50	18	1	22	1	31	2	63	2	124	134	5	-17
36+00	50	27	1	18	1	41	2	37	2	165	174	7	-19
36+50	50	14	1	12	1	38	2	28	2	203	205	8	-14
37+00	50	15	1	3	1	27	2	14	1	230	220	9	-4
37+32	32	8	1	1	0	13	2	2	1	243	221	10	6
						243	16	202	12				

DIVISION 3 (STA 112+91 - STA 115+00): NE RAMP (STAGE 3B)

Station	Distance	Area: Cut (SF)	Area: Salvaged/Unusable Pavement Material (SF)	Area: Fill (SF)	Area: EBS (SF)	Incremental Volume (Unadjusted): Cut Note 1 (CY)	Incremental Volume (Unadjusted): Salvaged/Unusable Pavement Material Note 2 (CY)	Incremental Volume (Unadjusted): Fill Note 3 (CY)	Incremental Volume (Unadjusted): EBS (CY)	Cumulative Vol (CY): Cut Note 1	Cumulative Vol (CY): Expanded Fill 1.15	Cumulative Vol (CY): Reduced EBS In Fill 0.80 Note 6	Mass Ordinate Note 7
112+91		25	1	0	1								
113+00	9	24	1	0	1	8	0	0	0	8	0	0	8
113+50	50	24	1	0	1	45	2	0	2	53	-2	2	53
114+00	50	17	1	35	1	38	2	33	2	91	33	4	52
114+50	50	30	1	0	2	44	2	33	2	134	69	5	58
115+00	50	41	1	0	2	66	2	0	3	201	66	8	124
						201	10	66	10				

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division
Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 3 (STA 65+00WB - STA 85+70WB): IH 94 WB (STAGE 3C)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Note 7
65+00		64	18	0	3								
66+00	100	79	18	0	4	264	67	0	13	264	-12	11	210
67+00	100	82	18	0	4	297	67	0	15	561	-26	22	454
68+00	100	95	18	0	5	326	67	0	16	887	-41	35	728
69+00	100	77	18	0	4	318	67	0	16	1,206	-55	48	994
70+00	100	79	18	0	4	289	67	0	14	1,494	-69	60	1,230
71+00	100	77	18	0	4	288	67	0	14	1,782	-82	71	1,464
72+00	100	81	18	0	4	293	67	0	15	2,076	-95	83	1,705
73+00	100	82	18	0	4	303	67	0	15	2,379	-109	95	1,955
74+00	100	73	18	0	4	287	67	0	14	2,667	-123	107	2,189
75+00	100	71	18	0	4	266	67	0	13	2,932	-135	117	2,401
76+00	100	71	18	0	4	263	67	0	13	3,196	-147	128	2,609
77+00	100	82	18	0	4	283	67	0	14	3,479	-160	139	2,839
78+00	100	82	18	0	4	302	67	0	15	3,781	-174	151	3,088
79+00	100	83	18	0	4	306	67	0	15	4,087	-188	163	3,341
80+00	100	85	18	0	4	312	67	0	16	4,399	-202	176	3,601
81+00	100	92	18	0	5	329	67	0	16	4,728	-217	189	3,879
82+00	100	112	18	0	6	379	67	0	19	5,107	-235	204	4,208
83+00	100	9	18	16	0	224	67	29	11	5,331	-211	213	4,342
84+00	100	75	18	23	4	156	67	72	8	5,487	-135	219	4,355
85+00	100	89	18	0	4	304	67	43	15	5,791	-100	232	4,557
85+70	70	82	18	0	4	220	46	0	11	6,011	-109	240	4,740
						6,011	1,380	145	301				

DIVISION 3 (STA 99+00SEA - STA 104+83SEA): SEA RAMP TEMPORARY REMOVAL (STAGE 3C)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Note 7
99+00		0	0	12	0								
100+00	100	21	0	3	2	39	0	28	4	39	28	3	10
101+00	100	164	0	0	16	342	0	6	34	381	3	30	378
102+00	100	84	0	181	8	459	0	335	46	840	346	67	494
103+00	100	0	0	101	0	156	0	521	16	996	932	80	64
104+00	100	5	0	65	1	9	0	307	1	1,005	1,284	80	-279
105+00	100	7	0	53	1	22	0	219	2	1,027	1,533	82	-506
106+00	100	9	0	44	1	30	0	180	3	1,057	1,737	85	-680
107+00	100	10	0	15	1	35	0	109	4	1,092	1,859	87	-767
108+00	100	6	0	24	1	30	0	72	3	1,122	1,940	90	-818
109+00	100	0	0	22	0	11	0	85	1	1,133	2,036	91	-904
110+14	114	0	0	0	0	0	0	46	0	1,133	2,090	91	-957
						1,133	0	1,908	113				

DIVISION 3 (STA 705+32NEA - STA 711+00NEA): NEA RAMP REMOVAL (STAGE 3C)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut (SF)	Salvaged/Unusable Pavement Material (SF)	Fill (SF)	EBS (SF)	Cut Note 1 (CY)	Salvaged/Unusable Pavement Material Note 2 (CY)	Fill Note 3 (CY)	EBS (CY)	Cut Note 1	Expanded Fill 1.15	Reduced EBS In Fill 0.80 Note 6	Note 7
99+00		15	0	0	1								
100+00	100	31	0	0	3	86	0	0	7	86	-7	6	92
101+00	100	70	0	0	7	188	0	0	19	274	-24	21	298
102+00	100	96	0	0	10	308	0	0	31	582	-52	45	634
103+00	100	115	0	0	12	392	0	0	39	973	-88	77	1,062
104+00	100	124	0	0	12	443	0	0	44	1,416	-129	112	1,545
105+00	100	93	0	0	9	401	0	0	40	1,818	-166	144	1,983
106+00	100	50	0	0	5	264	0	0	26	2,081	-190	165	2,272
107+00	100	20	0	0	2	128	0	0	13	2,210	-202	176	2,412
108+00	100	0	0	0	0	36	0	0	4	2,246	-205	179	2,451
109+00	100	0	0	0	0	0	0	0	0	2,246	-205	179	2,451
110+14	114	0	0	0	0	0	0	0	0	2,246	-205	179	2,451
						2,246	0	0	223				

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division. Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.

DIVISION 4 (STA 40+75WB - STA 239+82WB): IH 94 WB (STAGE 4)													
		Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			
							Salvaged/Unusable				Expanded	Reduced EBS	Mass
Station	Distance	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Pavement Material	Fill	EBS	Cut	Fill	In Fill	Ordinate
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.15	0.80 Note 6	Note 7
40+75		55	14	0	3								
41+00	25	62	14	0	3	54	13	0	3	54	-2	2	44
42+00	100	14	14	0	1	140	50	0	7	195	-9	8	141
43+00	100	40	14	0	2	100	50	0	5	294	-14	12	195
44+00	100	53	14	0	3	172	50	0	9	466	-21	19	325
45+00	100	72	14	0	4	231	50	0	12	697	-32	28	516
46+00	100	72	14	0	4	267	50	0	13	963	-44	39	745
47+00	100	73	14	0	4	269	50	0	13	1,232	-57	49	976
48+00	100	70	14	0	4	265	50	0	13	1,497	-69	60	1,203
49+00	100	70	14	0	3	259	50	0	13	1,756	-81	70	1,424
50+00	100	45	14	0	2	213	50	0	11	1,969	-90	79	1,597
51+00	100	40	14	0	2	157	50	0	8	2,126	-97	85	1,711
52+00	100	39	14	0	2	146	50	0	7	2,272	-104	91	1,813
53+00	100	40	14	0	2	146	50	0	7	2,418	-110	97	1,916
54+00	100	43	14	0	2	153	50	0	8	2,571	-117	103	2,026
55+00	100	48	14	0	2	167	50	0	8	2,738	-125	110	2,151
56+00	100	51	14	0	3	183	50	0	9	2,921	-133	117	2,292
57+00	100	52	14	0	3	191	50	0	10	3,111	-142	124	2,441
58+00	100	53	14	0	3	194	50	0	10	3,306	-151	132	2,594
59+00	100	54	14	1	3	198	50	1	10	3,503	-158	140	2,749
60+00	100	52	14	2	3	196	50	5	10	3,700	-162	148	2,899
61+00	100	56	14	1	3	200	50	5	10	3,900	-166	156	3,053
62+00	100	56	14	0	3	208	50	2	10	4,107	-173	164	3,218
63+00	100	57	14	1	3	209	50	2	10	4,317	-181	173	3,385
64+00	100	55	14	1	3	206	50	2	10	4,522	-188	181	3,548
65+00	100	51	14	0	3	195	50	1	10	4,717	-196	189	3,701
66+00	100	46	14	4	2	180	50	7	9	4,898	-196	196	3,831
67+00	100	59	14	0	3	195	50	7	10	5,093	-196	204	3,977
68+00	100	41	14	0	2	185	50	0	9	5,278	-205	211	4,120
69+00	100	45	14	0	2	159	50	0	8	5,437	-212	217	4,236
70+00	100	49	14	0	2	174	50	0	9	5,611	-220	224	4,368
71+00	100	44	14	0	2	173	50	1	9	5,783	-227	231	4,498
72+00	100	29	14	4	1	135	50	8	7	5,918	-224	237	4,580
73+00	100	28	14	5	1	106	50	16	5	6,025	-211	241	4,623
74+00	100	28	14	5	1	105	50	18	5	6,130	-195	245	4,663
75+00	100	30	14	6	2	108	50	21	5	6,238	-176	250	4,701
76+00	100	33	14	7	2	117	50	25	6	6,354	-152	254	4,744
77+00	100	33	14	8	2	122	50	29	6	6,476	-124	259	4,788
78+00	100	56	14	3	3	164	50	21	8	6,640	-107	266	4,885
79+00	100	56	14	3	3	206	50	11	10	6,847	-104	274	5,038
80+00	100	55	14	3	3	204	50	11	10	7,051	-101	282	5,189
81+00	100	49	14	4	2	192	50	13	10	7,242	-95	290	5,324
82+00	100	57	14	3	3	196	50	13	10	7,439	-89	298	5,465
83+00	100	33	14	13	2	167	50	30	8	7,606	-61	304	5,555
84+00	100	31	14	15	2	119	50	52	6	7,724	-6	309	5,568
85+00	100	47	14	18	2	144	50	61	7	7,868	58	315	5,598
86+00	100	45	14	13	2	170	50	59	8	8,038	117	322	5,659
87+00	100	48	14	8	2	171	50	40	9	8,210	156	328	5,741
88+00	100	31	14	17	2	145	50	46	7	8,355	202	334	5,790
89+00	100	31	14	13	2	114	50	54	6	8,469	259	339	5,797
90+00	100	32	14	13	2	117	50	48	6	8,586	309	343	5,815
91+00	100	23	14	26	1	102	50	73	5	8,688	389	348	5,787
92+00	100	50	14	15	2	134	50	77	7	8,823	471	353	5,790
93+00	100	95	14	3	5	268	50	34	13	9,091	497	364	5,981
94+00	100	154	14	0	8	462	50	6	23	9,553	483	382	6,408
95+00	100	188	14	0	9	633	50	0	32	10,186	454	407	7,020
96+00	100	249	14	0	12	809	50	0	40	10,995	416	440	7,816
97+00	100	280	14	0	14	980	50	0	49	11,975	371	479	8,791
98+00	100	290	14	0	15	1,056	50	0	53	13,031	323	521	9,845
99+00	100	286	14	0	14	1,066	50	0	53	14,097	274	564	10,911
100+00	100	236	14	1	12	966	50	2	48	15,063	232	603	11,868
101+00	100	150	14	0	8	715	50	3	36	15,778	202	631	12,563
102+00	100	135	14	0	7	528	50	0	26	16,306	178	652	13,066
103+00	100	81	14	0	4	399	50	0	20	16,705	159	668	13,434
104+00	100	0	14	0	0	149	50	0	7	16,855	153	674	13,540
105+00	100	34	14	0	2	63	50	0	3	16,918	150	677	13,556

DIVISION 4 (STA 40+75WB - STA 239+82WB): IH 94 WB (STAGE 4)													
		Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			
							Salvaged/Unusable				Expanded	Reduced EBS	Mass
Station	Distance	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Pavement Material	Fill	EBS	Cut	Fill	In Fill	Ordinate
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	1.00 Note 1	1.15	0.80 Note 6	Note 7
106+00	100	36	14	0	2	130	50	0	6	17,048	144	682	13,642
107+00	100	36	14	0	2	134	50	0	7	17,182	138	687	13,731
108+00	100	35	14	0	2	132	50	0	7	17,314	131	693	13,820
109+00	100	34	14	0	2	127	50	0	6	17,441	126	698	13,903
110+00	100	33	14	0	2	123	50	0	6	17,564	120	703	13,981
111+00	100	31	14	0	2	119	50	0	6	17,682	115	707	14,055
112+00	100	30	14	0	2	114	50	0	6	17,796	109	712	14,124
113+00	100	30	14	0	1	111	50	0	6	17,907	104	716	14,191
114+00	100	29	14	0	1	109	50	0	5	18,017	99	721	14,255
115+00	100	29	14	0	1	108	50	0	5	18,124	94	725	14,318
116+00	100	29	14	0	1	107	50	0	5	18,231	89	729	14,380
117+00	100	29	14	0	1	107	50	0	5	18,339	84	734	14,442
118+00	100	29	14	0	1	108	50	0	5	18,446	79	738	14,505
119+00	100	30	14	0	1	109	50	0	5	18,556	74	742	14,569
120+00	100	29	14	0	1	109	50	0	5	18,665	69	747	14,633
121+00	100	29	14	0	1	108	50	0	5	18,773	64	751	14,696
122+00	100	28	14	0	1	107	50	0	5	18,880	59	755	14,758
123+00	100	28	14	0	1	105	50	0	5	18,984	55	759	14,817
124+00	100	28	14	0	1	104	50	0	5	19,088	50	764	14,876
125+00	100	28	14	0	1	103	50	0	5	19,192	45	768	14,934
126+00	100	25	14	0	1	99	50	0	5	19,291	41	772	14,988
127+00	100	24	14	0	1	92	50	0	5	19,382	37	775	15,033
128+00	100	19	14	1	1	80	50	2	4	19,462	35	778	15,065
129+00	100	11	14	3	1	56	50	7	3	19,518	40	781	15,066
130+00	100	4	14	7	0	29	50	18	1	19,547	59	782	15,025
131+00	100	6	14	7	0	19	50	25	1	19,567	87	783	14,967
132+00	100	8	14	2	0	27	50	16	1	19,593	104	784	14,926
133+00	100	13	14	0	1	39	50	4	2	19,632	107	785	14,913
134+00	100	12	14	0	1	47	50	0	2	19,679	105	787	14,912
135+00	100	16	14	375	1	52	50	695	3	19,731	901	789	14,117
136+00	100	14	14	317	1	55	50	1,281	3	19,786	2,371	791	12,652
137+00	100	12	14	237	1	49	50	1,026	2	19,835	3,549	793	11,474
138+00	100	13	14	163	1	47	50	742	2	19,882	4,399	795	10,621
139+00	100	20	14	21	1	62	50	341	3	19,945	4,788	798	10,244
140+00	100	128	14	21	6	274	50	78	14	20,219	4,865	809	10,391
141+00	100	230	14	25	12	663	50	86	33	20,882	4,934	835	10,936
142+00	100	275	14	21	14	935	50	84	47	21,817	4,988	873	11,767
143+00	100	206	14	20	10	890	50	75	45	22,707	5,033	908	12,561
144+00	100	146	14	5	7	653	50	46	33	23,360	5,056	934	13,141
145+00	100	75	14	10	4	409	50	27	20	23,769	5,068	951	13,488
146+00	100	159	14	1	8	432	50	20	22	24,200	5,072	968	13,866
147+00	100	267	14	5	13	789	50	11	39	24,989	5,048	1,000	14,629
148+00	100	56	14	1	3	598	50	10	30	25,587	5,032	1,023	15,193
149+00	100	80	14	0	4	251	50	1	13	25,838	5,022	1,034	15,404
150+00	100	86	14	0	4	307	50	0	15	26,145	5,008	1,046	15,675
151+00	100	78	14	0	4	304	50	0	15	26,449	4,994	1,058	15,942
152+00	100	70	14	0	4	275	50	0	14	26,723	4,981	1,069	16,180
153+00	100	63	14	0	3	247	50	0	12	26,970	4,970	1,079	16,388
154+00	100	71	14	0	4	248	50	0	12	27,219	4,958	1,089	16,598
155+00	100	81	14	0	4	281	50	0	14	27,500	4,945	1,100	16,842
156+00	100	90	14	0	4	316	50	0	16	27,816	4,931	1,113	17,123
157+00	100	99	14	0	5	349	50	0	17	28,165	4,915	1,127	17,438
158+00	100	108	14	0	5	382	50	0	19	28,547	4,897	1,142	17,787
159+00	100	117	14	0	6	415	50	0	21	28,962	4,878	1,158	18,171
160+00	100	125	14	0	6	448	50	0	22	29,410	4,858	1,176	18,590
161+00	100	134	14	0	7	479	50	0	24	29,889	4,836	1,196	19,041
162+00	100	142	14	0	7	511	50	0	26	30,401	4,812	1,216	19,526
163+00	100	151	14	0	8	542	50	0	27	30,943	4,787	1,238	20,043
164+00	100	144	14	0	7	545	50	0	27	31,488	4,762	1,260	20,563
165+00	100	132	14	0	7	511	50	0	26	31,999	4,739	1,280	21,048
166+00	100	120	14	0	6	468	50	0	23	32,467	4,717	1,299	21,488
167+00	100	109	14	0	5	425	50	0	21	32,892	4,697	1,316	21,882
168+00	100	99	14	0	5	386	50	0	19	33,278	4,680	1,331	22,236
169+00	100	87	14	0	4	345	50	0	17	33,623	4,664	1,345	22,547
170+00	100	74	14	0	4	300	50	0	15	33,923	4,650	1,357	22,810

CONTINUED ON NEXT SHEET

DIVISION 4 (STA 40+75WB - STA 239+82WB): IH 94 WB (STAGE 4)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	1.00 Note 1	1.15	0.80 Note 6	Note 7
171+00	100	62	14	0	3	252	50	0	13	34,174	4,638	1,367	23,023
172+00	100	52	14	0	3	210	50	0	10	34,384	4,629	1,375	23,193
173+00	100	44	14	0	2	178	50	0	9	34,562	4,621	1,382	23,329
174+00	100	39	14	0	2	154	50	0	8	34,716	4,614	1,389	23,440
175+00	100	36	14	0	2	139	50	0	7	34,855	4,607	1,394	23,536
176+00	100	36	14	0	2	133	50	0	7	34,988	4,601	1,400	23,624
177+00	100	37	14	0	2	134	50	0	7	35,122	4,595	1,405	23,715
178+00	100	40	14	0	2	142	50	0	7	35,264	4,588	1,411	23,813
179+00	100	39	14	0	2	146	50	0	7	35,409	4,582	1,416	23,915
180+00	100	38	14	0	2	142	50	0	7	35,551	4,575	1,422	24,013
181+00	100	109	14	0	5	271	50	0	14	35,822	4,563	1,433	24,247
182+00	100	0	14	0	0	201	50	0	10	36,023	4,553	1,441	24,407
183+00	100	34	14	0	2	64	50	0	3	36,087	4,550	1,443	24,424
184+00	100	33	14	0	2	126	50	0	6	36,213	4,545	1,449	24,505
185+00	100	35	14	0	2	126	50	0	6	36,339	4,539	1,454	24,587
186+00	100	38	14	0	2	135	50	0	7	36,474	4,533	1,459	24,679
187+00	100	42	14	0	2	149	50	0	7	36,623	4,526	1,465	24,785
188+00	100	46	14	0	2	162	50	0	8	36,785	4,518	1,471	24,905
189+00	100	50	14	0	2	177	50	0	9	36,962	4,510	1,478	25,040
190+00	100	54	14	0	3	192	50	0	10	37,155	4,501	1,486	25,191
191+00	100	56	14	0	3	204	50	0	10	37,359	4,492	1,494	25,355
192+00	100	56	14	0	3	209	50	0	10	37,568	4,482	1,503	25,523
193+00	100	53	14	0	3	203	50	0	10	37,771	4,473	1,511	25,685
194+00	100	47	14	0	2	187	50	0	9	37,957	4,464	1,518	25,830
195+00	100	40	14	0	2	162	50	0	8	38,120	4,457	1,525	25,950
196+00	100	43	14	0	2	155	50	0	8	38,274	4,450	1,531	26,062
197+00	100	70	14	0	4	210	50	0	10	38,484	4,440	1,539	26,232
198+00	100	86	14	34	4	290	50	62	14	38,774	4,499	1,551	26,413
199+00	100	92	14	0	5	329	50	62	16	39,103	4,555	1,564	26,635
200+00	100	53	14	0	3	268	50	0	13	39,371	4,543	1,575	26,865
201+00	100	46	14	0	2	183	50	0	9	39,554	4,534	1,582	27,007
202+00	100	55	14	0	3	188	50	0	9	39,741	4,526	1,590	27,153
203+00	100	65	14	0	3	223	50	0	11	39,964	4,516	1,599	27,336
204+00	100	77	14	0	4	262	50	0	13	40,226	4,504	1,609	27,560
205+00	100	87	14	0	4	304	50	0	15	40,529	4,490	1,621	27,827
206+00	100	98	14	0	5	344	50	0	17	40,874	4,474	1,635	28,137
207+00	100	110	14	0	5	386	50	0	19	41,259	4,456	1,650	28,491
208+00	100	121	14	0	6	427	50	0	21	41,687	4,436	1,667	28,888
209+00	100	128	14	0	6	461	50	0	23	42,148	4,415	1,686	29,320
210+00	100	120	14	0	6	460	50	0	23	42,608	4,394	1,704	29,752
211+00	100	111	14	0	6	429	50	0	21	43,037	4,374	1,721	30,150
212+00	100	103	14	0	5	396	50	0	20	43,433	4,356	1,737	30,514
213+00	100	97	14	0	5	369	50	0	18	43,801	4,339	1,752	30,850
214+00	100	93	14	0	5	352	50	0	18	44,153	4,323	1,766	31,168
215+00	100	92	14	0	5	344	50	0	17	44,497	4,307	1,780	31,477
216+00	100	92	14	0	5	341	50	0	17	44,838	4,291	1,794	31,784
217+00	100	91	14	0	5	339	50	0	17	45,177	4,276	1,807	32,088
218+00	100	91	14	0	5	338	50	0	17	45,514	4,260	1,821	32,392
219+00	100	94	14	0	5	342	50	0	17	45,856	4,245	1,834	32,699
220+00	100	94	14	0	5	348	50	0	17	46,204	4,229	1,848	33,013
221+00	100	93	14	0	5	347	50	0	17	46,552	4,213	1,862	33,326
222+00	100	89	14	0	4	337	50	0	17	46,888	4,197	1,876	33,629
223+00	100	79	14	0	4	312	50	0	16	47,200	4,183	1,888	33,905
224+00	100	126	14	0	6	380	50	0	19	47,581	4,165	1,903	34,253
225+00	100	123	14	0	6	461	50	0	23	48,042	4,144	1,922	34,685
226+00	100	94	14	0	5	403	50	0	20	48,444	4,125	1,938	35,056
227+00	100	84	14	0	4	330	50	0	16	48,774	4,110	1,951	35,351
228+00	100	101	14	0	5	342	50	0	17	49,116	4,095	1,965	35,659
229+00	100	91	14	0	5	355	50	0	18	49,471	4,078	1,979	35,980
230+00	100	91	14	0	5	337	50	0	17	49,809	4,063	1,992	36,283
230+50	50	91	14	0	5	168	25	0	8	49,977	4,055	1,999	36,435
						49,977	9,488	5,525	2,499				

DIVISION 4 (STA 40+00 EB - STA 100+05 EB): IH 94 EB (STAGE 4)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.15	0.80 Note 6	Note 7
40+00		19	0	0	1								
41+00	100	26	0	0	1	83	0	0	4	83	-4	3	87
42+00	100	27	0	0	1	98	0	0	5	181	-8	7	190
43+00	100	36	0	0	2	117	0	0	6	298	-14	12	312
44+00	100	34	0	0	2	130	0	0	6	428	-20	17	447
45+00	100	32	0	0	2	122	0	0	6	550	-25	22	575
46+00	100	32	0	0	2	119	0	0	6	669	-31	27	699
47+00	100	34	0	0	2	122	0	0	6	791	-36	32	827
48+00	100	23	0	0	1	106	0	0	5	896	-41	36	938
49+00	100	33	0	0	2	103	0	0	5	999	-46	40	1,045
50+00	100	37	0	0	2	128	0	0	6	1,127	-52	45	1,179
51+00	100	42	0	0	2	146	0	0	7	1,273	-59	51	1,331
52+00	100	48	0	0	2	166	0	0	8	1,439	-66	58	1,505
53+00	100	40	0	0	2	163	0	0	8	1,602	-74	64	1,676
54+00	100	41	0	0	2	151	0	0	8	1,753	-81	70	1,833
55+00	100	42	0	0	2	154	0	0	8	1,907	-88	76	1,995
56+00	100	43	0	0	2	158	0	0	8	2,065	-95	83	2,160
57+00	100	44	0	0	2	162	0	0	8	2,227	-102	89	2,329
58+00	100	45	0	0	2	165	0	0	8	2,392	-110	96	2,502
59+00	100	46	0	0	2	168	0	0	8	2,560	-118	102	2,678
60+00	100	47	0	0	2	171	0	0	9	2,731	-126	109	2,857
61+00	100	48	0	0	2	175	0	0	9	2,906	-134	116	3,039
62+00	100	49	0	0	2	178	0	0	9	3,084	-142	123	3,226
63+00	100	50	0	0	2	182	0	0	9	3,266	-150	131	3,416
64+00	100	51	0	0	3	187	0	0	9	3,452	-159	138	3,611
65+00	100	52	0	0	3	191	0	0	10	3,643	-168	146	3,811
66+00	100	53	0	0	3	195	0	0	10	3,838	-177	154	4,014
67+00	100	53	0	0	3	196	0	0	10	4,034	-186	161	4,219
68+00	100	50	0	0	3	190	0	0	10	4,224	-194	169	4,418
69+00	100	47	0	0	2	180	0	0	9	4,404	-203	176	4,607
70+00	100	42	0	0	2	165	0	0	8	4,569	-210	183	4,779
71+00	100	39	0	0	2	150	0	0	8	4,719	-217	189	4,936
72+00	100	38	0	0	2	142	0	0	7	4,861	-224	194	5,085
73+00	100	37	0	0	2	139	0	0	7	5,000	-230	200	5,230
74+00	100	36	0	0	2	136	0	0	7	5,137	-236	205	5,373
75+00	100	34	0	0	2	130	0	0	6	5,267	-242	211	5,509
76+00	100	30	0	0	1	118	0	0	6	5,385	-248	215	5,632
77+00	100	32	0	0	2	114	0	0	6	5,499	-253	220	5,752
78+00	100	21	0	0	1	99	0	0	5	5,598	-258	224	5,856
79+00	100	21	0	0	1	78	0	0	4	5,676	-261	227	5,937
80+00	100	33	0	0	2	100	0	0	5	5,776	-266	231	6,042
81+00	100	19	0	0	1	96	0	0	5	5,873	-270	235	6,143
82+00	100	24	0	0	1	80	0	0	4	5,953	-274	238	6,227
83+00	100	30	0	0	2	101	0	0	5	6,054	-278	242	6,333
84+00	100	31	0	0	2	113	0	0	6	6,167	-284	247	6,451
85+00	100	30	0	0	1	112	0	0	6	6,280	-289	251	6,569
86+00	100	28	0	0	1	107	0	0	5	6,387	-294	255	6,681
87+00	100	28	0	0	1	103	0	0	5	6,490	-299	260	6,789
88+00	100	29	1	0	1	106	2	0	5	6,596	-303	264	6,897
89+00	100	31	2	0	2	112	6	0	6	6,707	-309	268	7,009
90+00	100	30	3	0	1	112	9	0	6	6,819	-314	273	7,117
91+00	100	33	4	0	2	116	13	0	6	6,935	-319	277	7,225
92+00	100	41	5	0	2	137	17	0	7	7,073	-325	283	7,352
93+00	100	34	6	0	2	140	20	0	7	7,213	-332	289	7,478
94+00	100	28	7	0	1	116	24	0	6	7,328	-337	293	7,575
95+00	100	81	8	0	4	203	28	0	10	7,531	-346	301	7,759
96+00	100	71	9	0	4	282	31	0	14	7,813	-359	313	8,022
97+00	100	73	10	0	4	266	35	0	13	8,079	-372	323	8,266
98+00	100	62	11	0	3	250	39	0	12	8,329	-383	333	8,488
99+00	100	25	12	3	1	160	43	5	8	8,489	-385	340	8,608
100+00	100	22	13	9	1	86	46	22	4	8,575	-364	343	8,626
100+05	5	22	14	8	1	4	3	2	0	8,579	-363	343	8,626
						8,579	315	28	429				

DIVISION 4 (STA 10+93 - STA 11+79): MAINTENANCE CROSSOVER STA 104+35 (STAGE 4)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.15	0.80 Note 6	Note 7
10+93		115	0	47	6								
11+00	8	102	0	78	5	30	0	17	2	30	19	1	12
11+50	50	411	0	0	21	476	0	72	24	506	79	20	427
11+79	29	135	0	0	7	294	0	0	15	799	66	32	734
						799	0	89	40				

DIVISION 4 (STA 31+48 - STA 32+95): MAINTENANCE CROSSOVER STA 182+00 (STAGE 4)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.15	0.80 Note 6	Note 7
31+48		19	0	155	1								
31+50	2	26	0	144	1	2	0	11	0	2	13	0	-11
32+00	50	114	0	32	6	130	0	163	7	132	194	5	-63
32+50	50	141	0	20	7	236	0	49	12	368	239	15	129
32+95	45	144	0	0	7	240	0	17	12	608	248	24	360
						608	0	240	30				

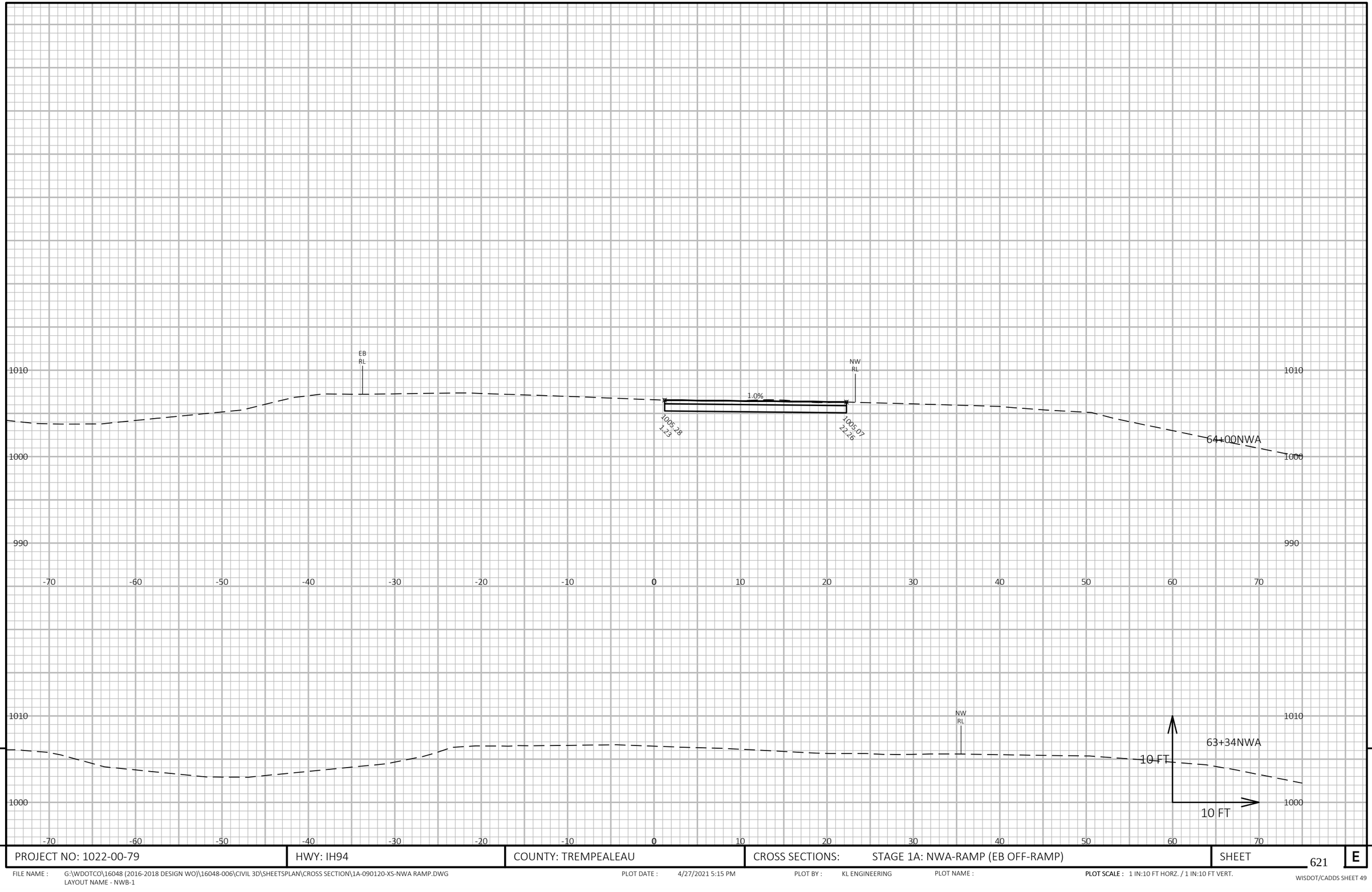
DIVISION 4 (STA 231+50EB - STA 236+00EB): IH 94 EB (STAGE 4)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.15	0.80 Note 6	Note 7
230+00		0	0	0	0								
231+00	100	141	0	0	0	261	0	0	0	261	0	0	261
232+00	100	175	0	0	0	585	0	0	0	846	0	0	846
233+00	100	199	0	0	0	693	0	0	0	1,539	0	0	1,539
234+00	100	100	0	0	0	554	0	0	0	2,093	0	0	2,093
235+00	100	14	0	0	0	211	0	0	0	2,304	0	0	2,304
236+00	100	2	0	0	0	29	0	0	0	2,333	0	0	2,333
						2,333	0	0	0				

DIVISION 4 (STA 230+50WB - STA 239+59WB): IH 94 WB (STAGE 4)

Station	Distance	Area				Incremental Volume (Unadjusted)				Cumulative Vol (CY)			Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Reduced EBS In Fill	
		(SF)	(SF)	(SF)	(SF)	Note 1 (CY)	Note 2 (CY)	Note 3 (CY)	(CY)	Note 1	1.15	0.80 Note 6	Note 7
230+50		66	0	0	0								
231+00	50	60	0	0	0	116	0	0	0	116	0	0	116
232+00	100	44	0	0	0	193	0	0	0	310	0	0	310
233+00	100	29	0	0	0	136	0	0	0	446	0	0	446
234+00	100	19	0	0	0	89	0	0	0	534	0	0	534
235+00	100	11	0	0	0	55	0	0	0	590	0	0	590
236+00	100	7	0	0	0	34	0	0	0	624	0	0	624
237+00	100	4	0	0	0	20	0	0	0	644	0	0	644
238+00	100	3	0	0	0	13	0	0	0	657	0	0	657
239+00	100	0	0	0	0	5	0	0	0	662	0	0	662
						662	0	0	0				

TABLE NOTES LEGEND:
The following notes are applicable to the notes for each earthwork sheet.
1) Common Excavation is the sum of the Cut and EBS Excavation columns, Item number 205.0100
2) Salvaged/Unusable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Borrow
4) Salvaged/Unusable Pavement Material, includes estimated 24' width of 10-inches concrete pavement, (no asphalt was included)
5) Available Material = Cut - Salvaged/Unusable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is useable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded Fill. Factor = 1.15 x (Unexpanded Fill - Reduced EBS in Fill)
8) The Mass Ordinate + or - Qty calculated for the Division.
Positive quantity indicates an excess of material, minus indicates a shortage of material within the Division.
9) Expanded EBS Backfill - Select Borrow. EBS Backfill Factor = 1.15.



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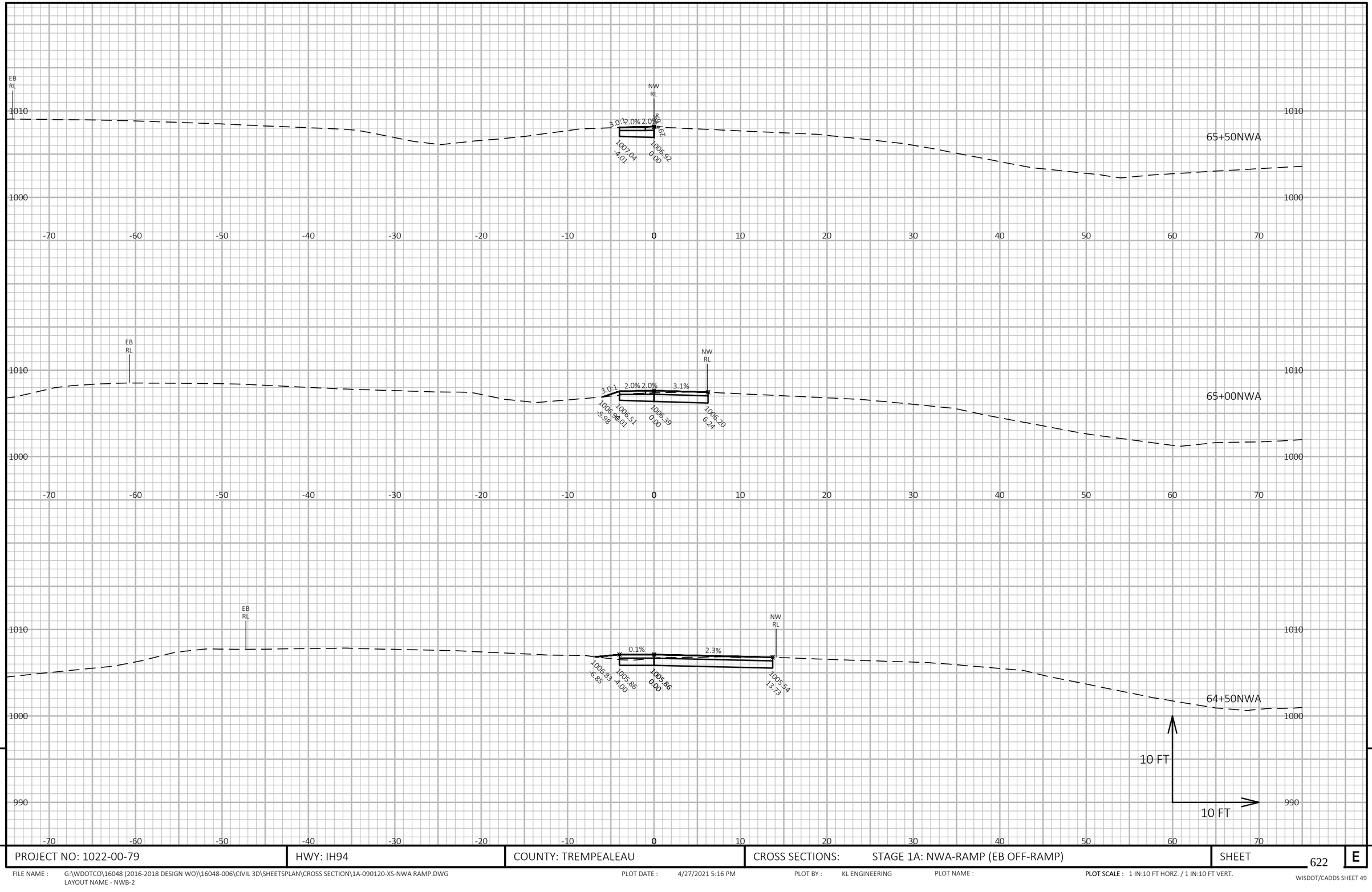
PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 1A: NWA-RAMP (EB OFF-RAMP)	SHEET 621	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\1A-090120-XS-NWA RAMP.DWG
LAYOUT NAME - NWB-1

PLOT DATE : 4/27/2021 5:15 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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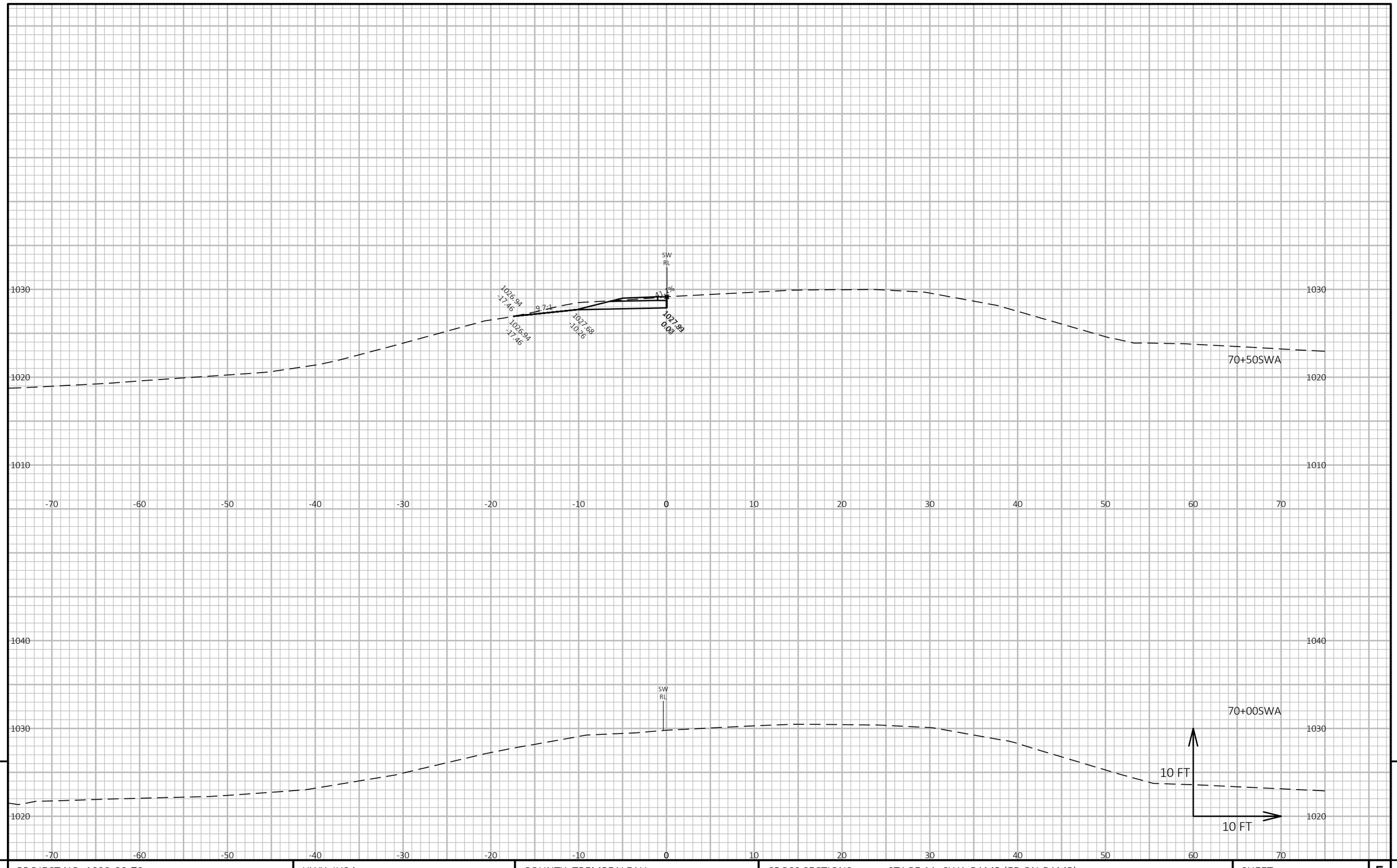
9

PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 1A: NWA-RAMP (EB OFF-RAMP)	SHEET 622	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\1A-090120-XS-NWA RAMP.DWG
LAYOUT NAME - NWB-2

PLOT DATE : 4/27/2021 5:16 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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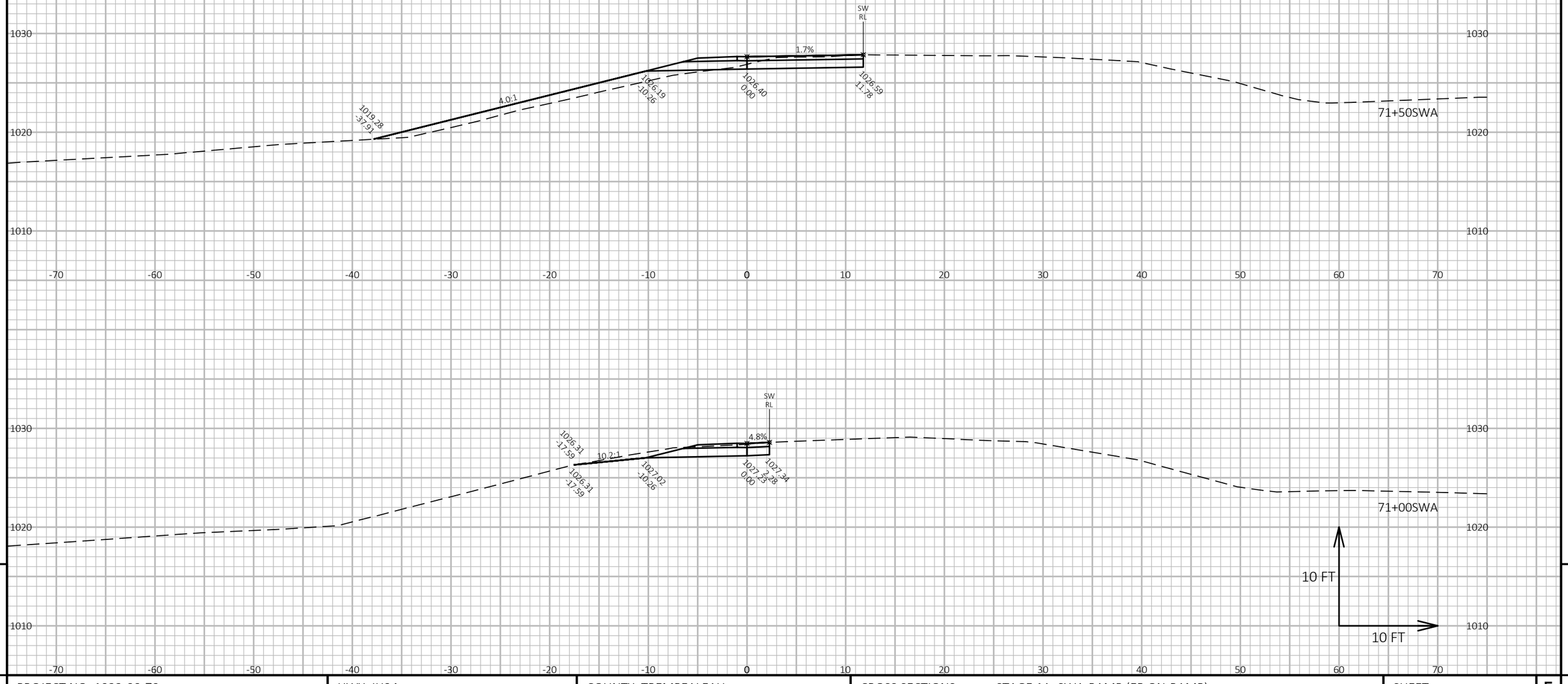
9

PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 1A: SWA-RAMP (EB ON-RAMP)	SHEET 623	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\1A-090121-XS-SWA RAMP.DWG
LAYOUT NAME - 2B - SW1

PLOT DATE : 4/23/2021 12:37 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

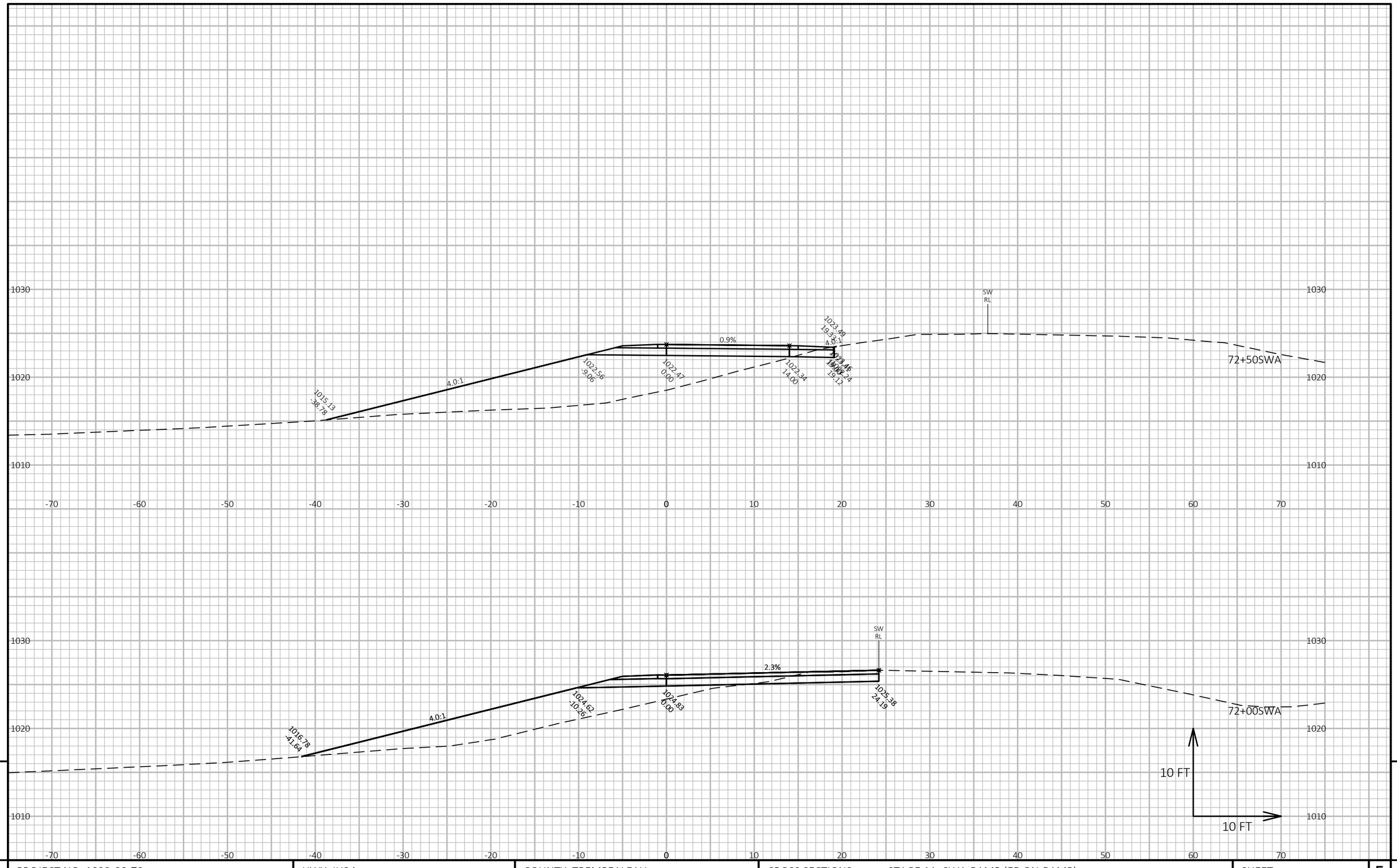


PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 1A: SWA-RAMP (EB ON-RAMP)	SHEET 624	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\1A-090121-XS-SWA RAMP.DWG
LAYOUT NAME - 2B - SW2

PLOT DATE : 4/23/2021 12:38 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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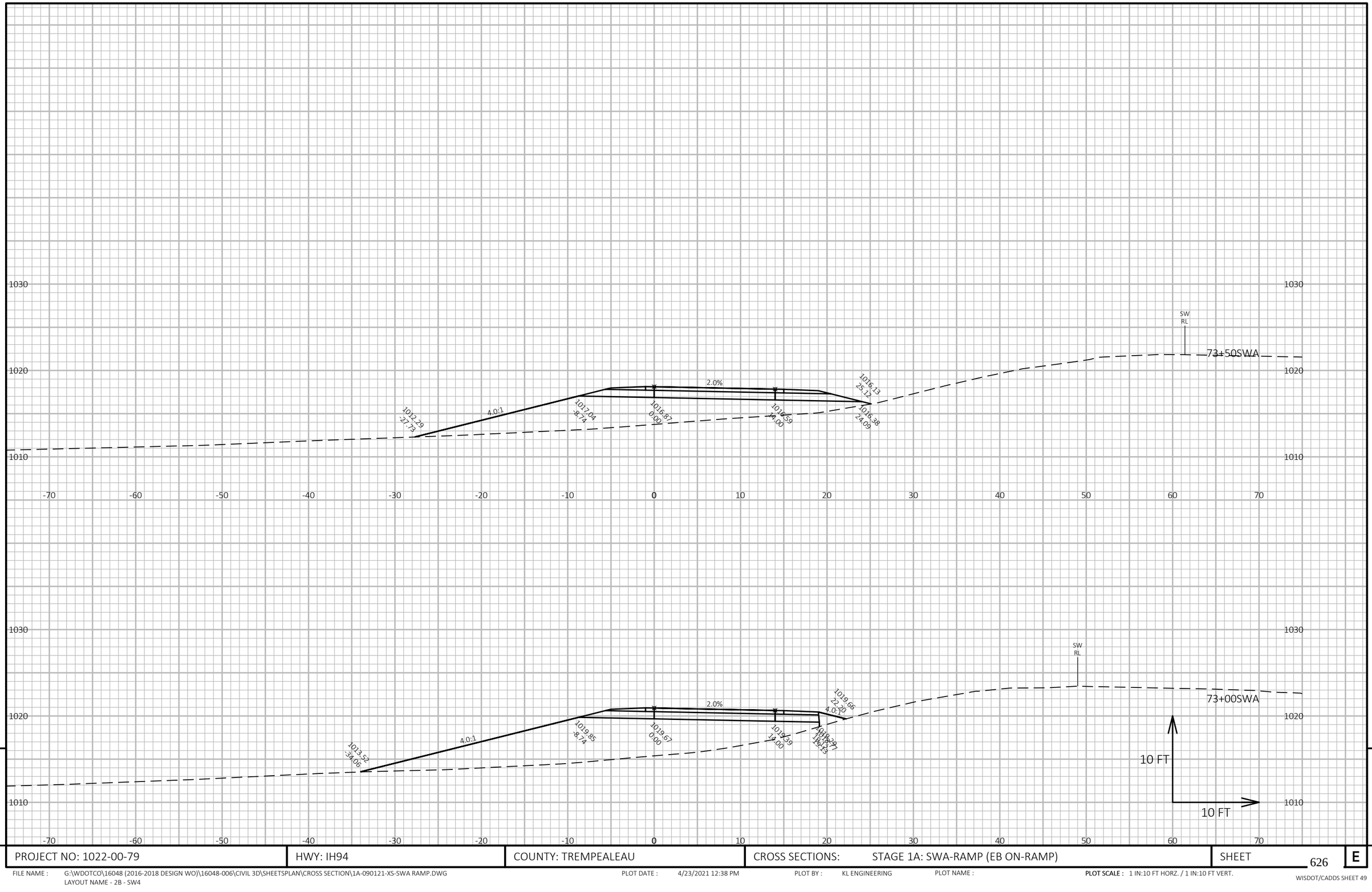
PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 1A: SWA-RAMP (EB ON-RAMP)	SHEET 625	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\1A-090121-XS-SWA RAMP.DWG
LAYOUT NAME - 2B - SW3

PLOT DATE : 4/23/2021 12:38 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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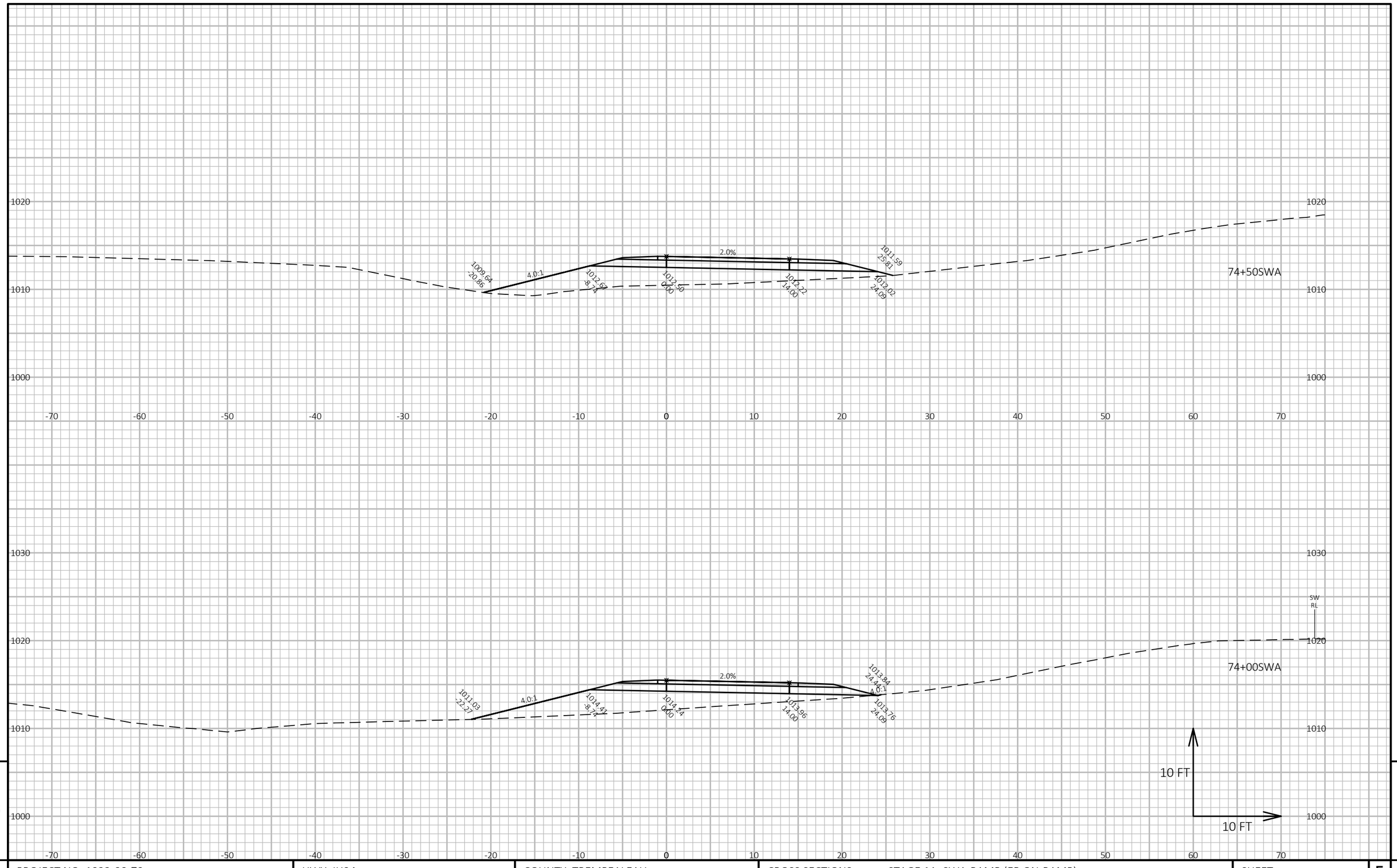
PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 1A: SWA-RAMP (EB ON-RAMP)	SHEET 626	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\1A-090121-XS-SWA RAMP.DWG
LAYOUT NAME - 2B - SW4

PLOT DATE : 4/23/2021 12:38 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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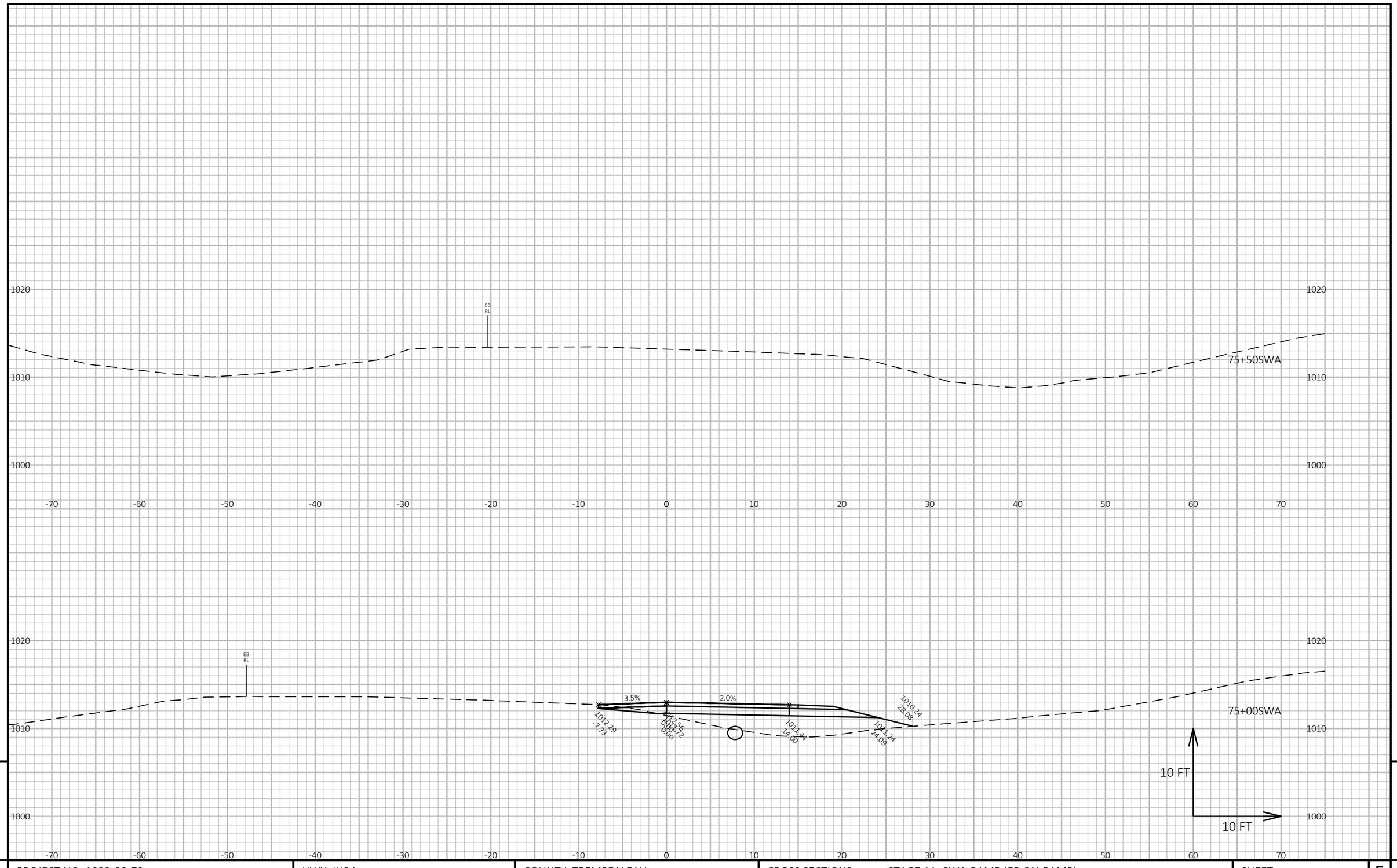
PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 1A: SWA-RAMP (EB ON-RAMP)	SHEET 627	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\1A-090121-XS-SWA RAMP.DWG
LAYOUT NAME - 2B - SW5

PLOT DATE : 4/23/2021 12:38 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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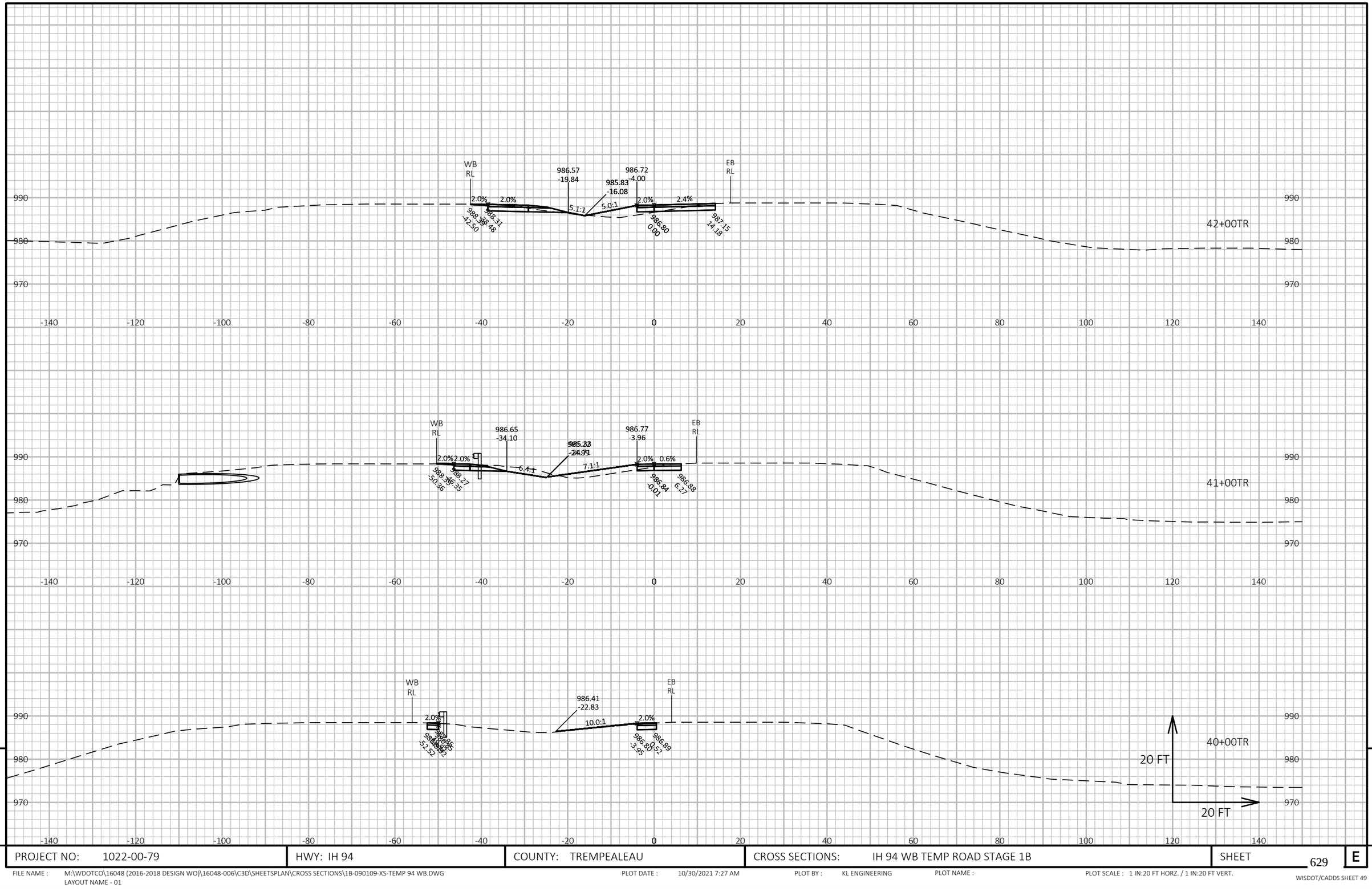
PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 1A: SWA-RAMP (EB ON-RAMP)	SHEET 628	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\1A-090121-XS-SWA RAMP.DWG
LAYOUT NAME - 2B - SW6

PLOT DATE : 4/23/2021 12:38 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

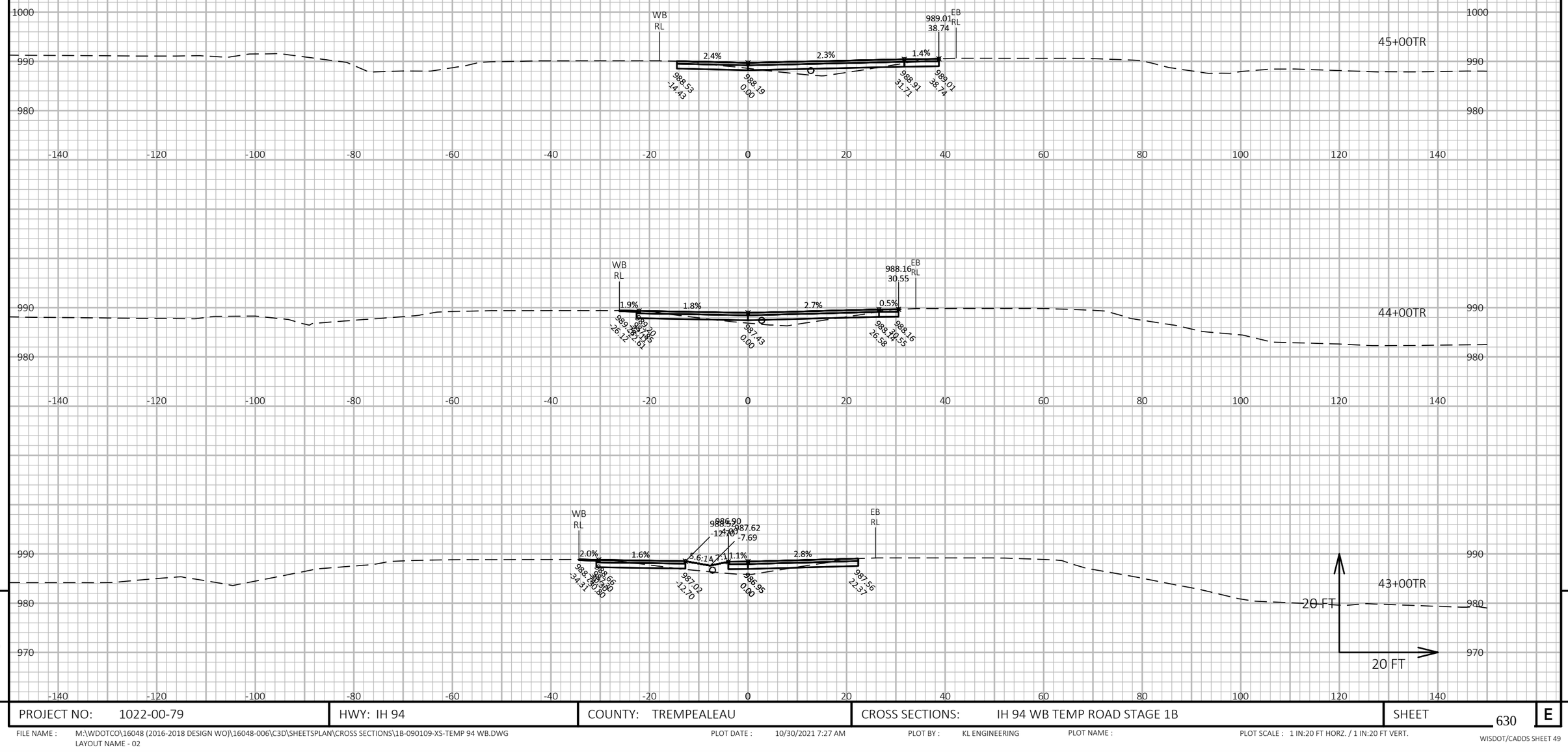


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 629	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 01

PLOT DATE : 10/30/2021 7:27 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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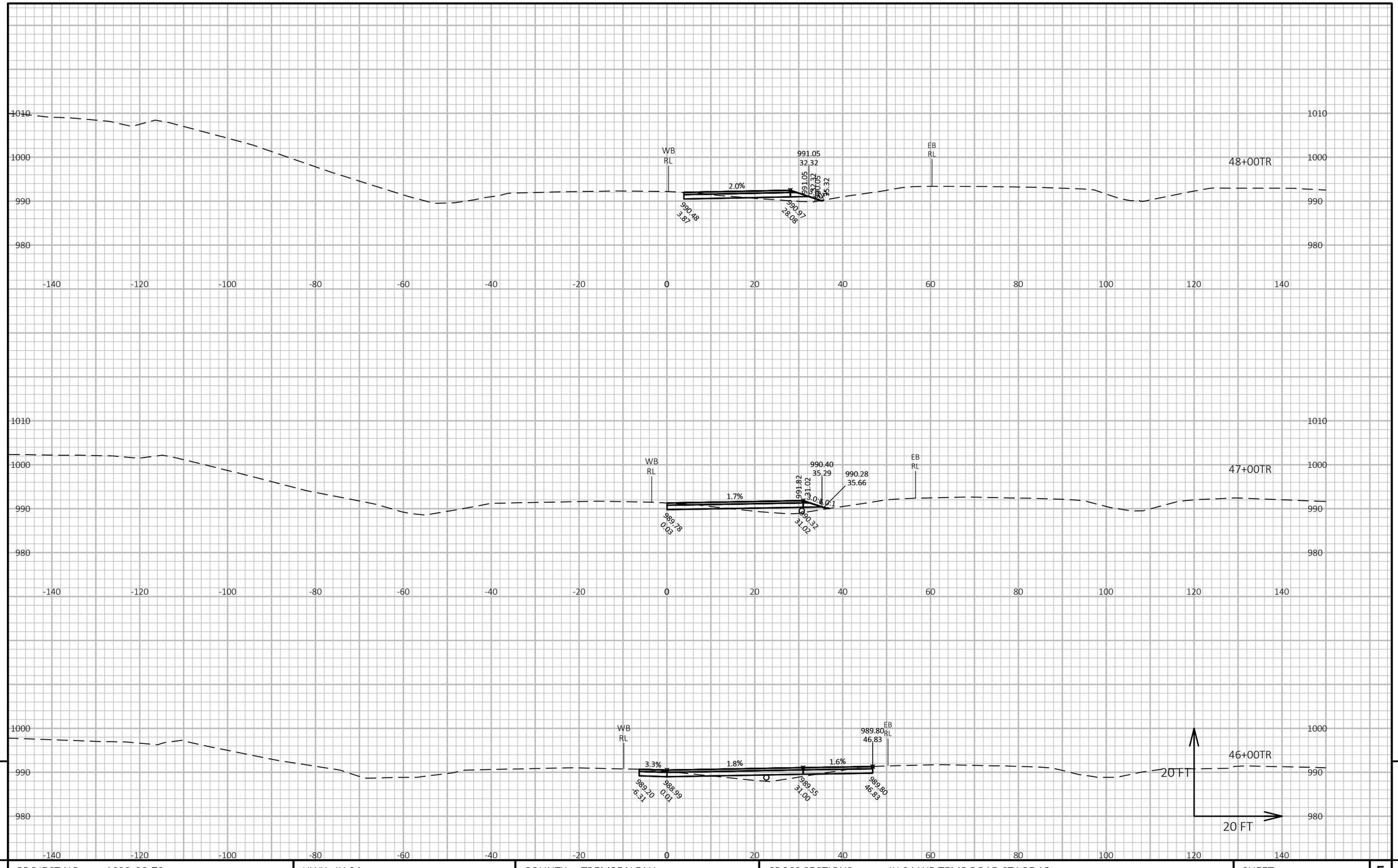
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 630	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 02

PLOT DATE : 10/30/2021 7:27 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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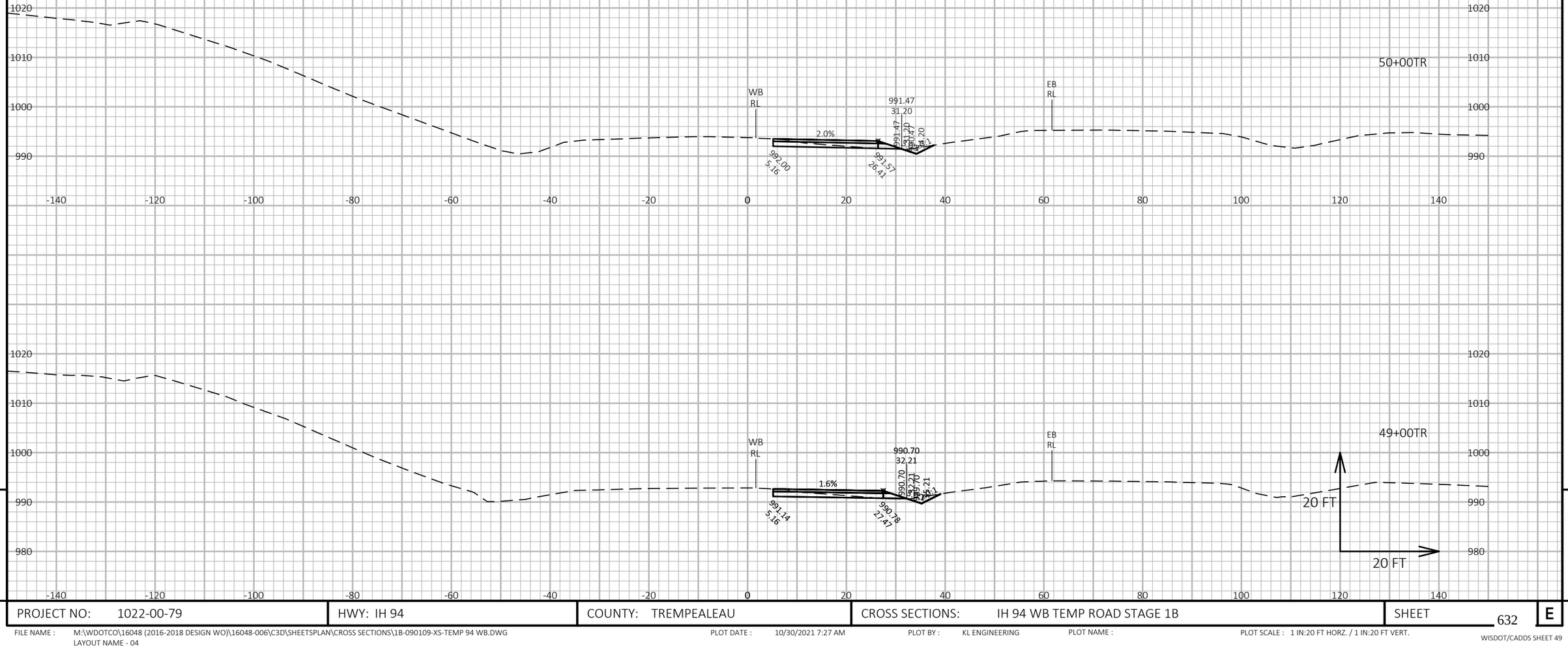
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 631	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 03

PLOT DATE : 10/30/2021 7:27 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



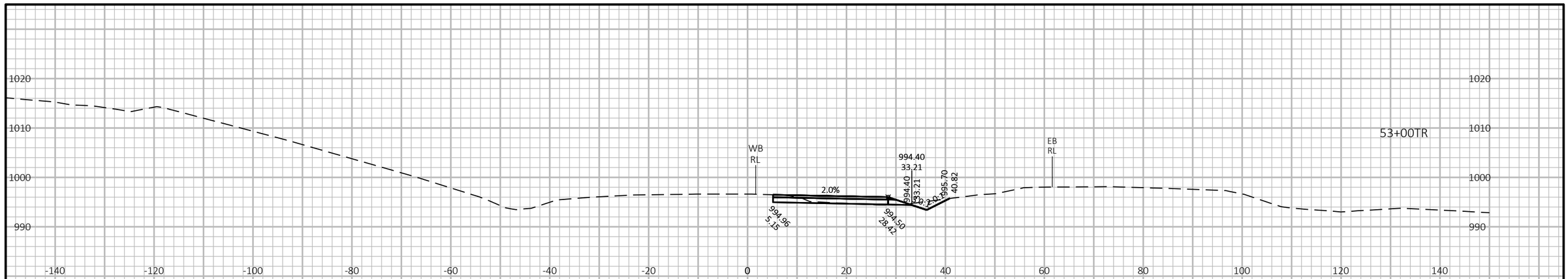
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 632 E

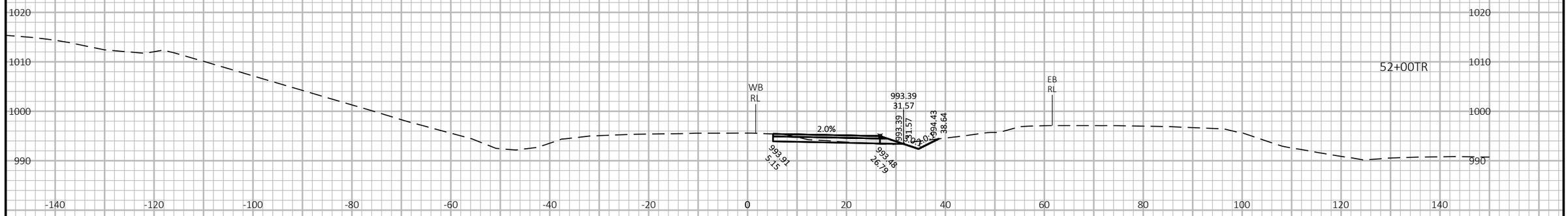
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 04

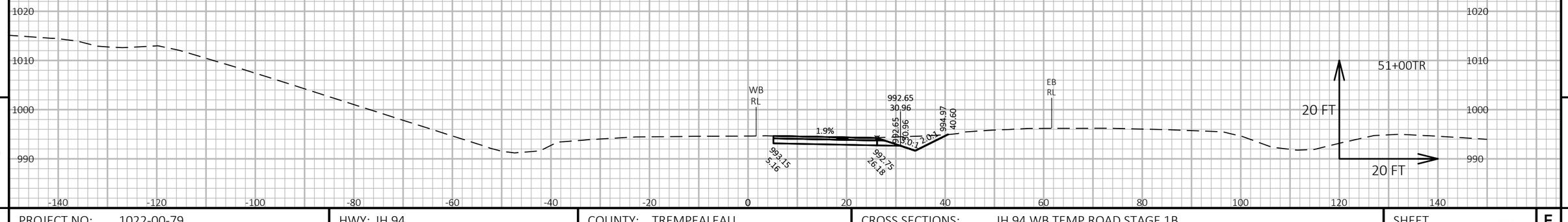
PLOT DATE : 10/30/2021 7:27 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9







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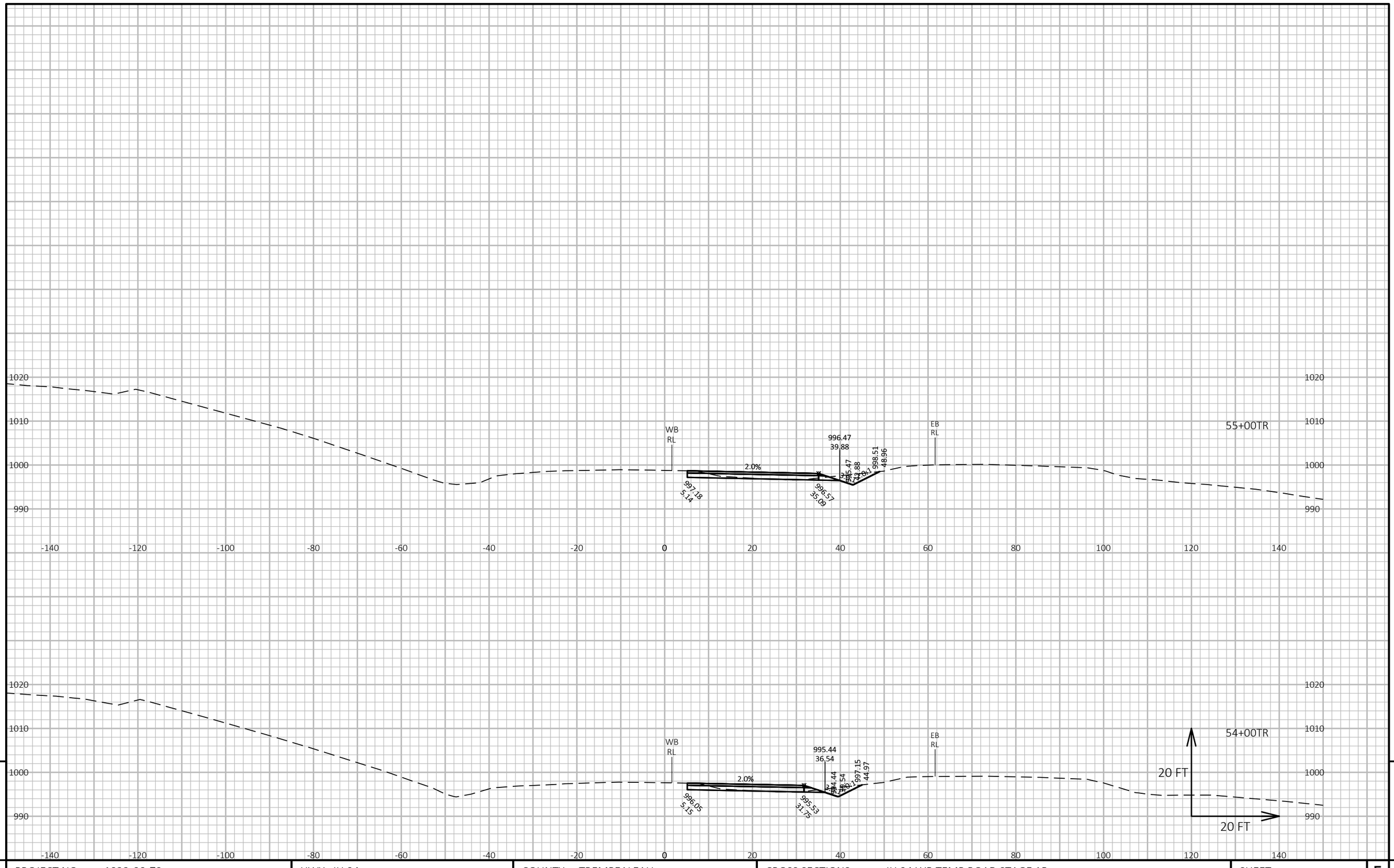
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 633	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 05

PLOT DATE : 10/30/2021 7:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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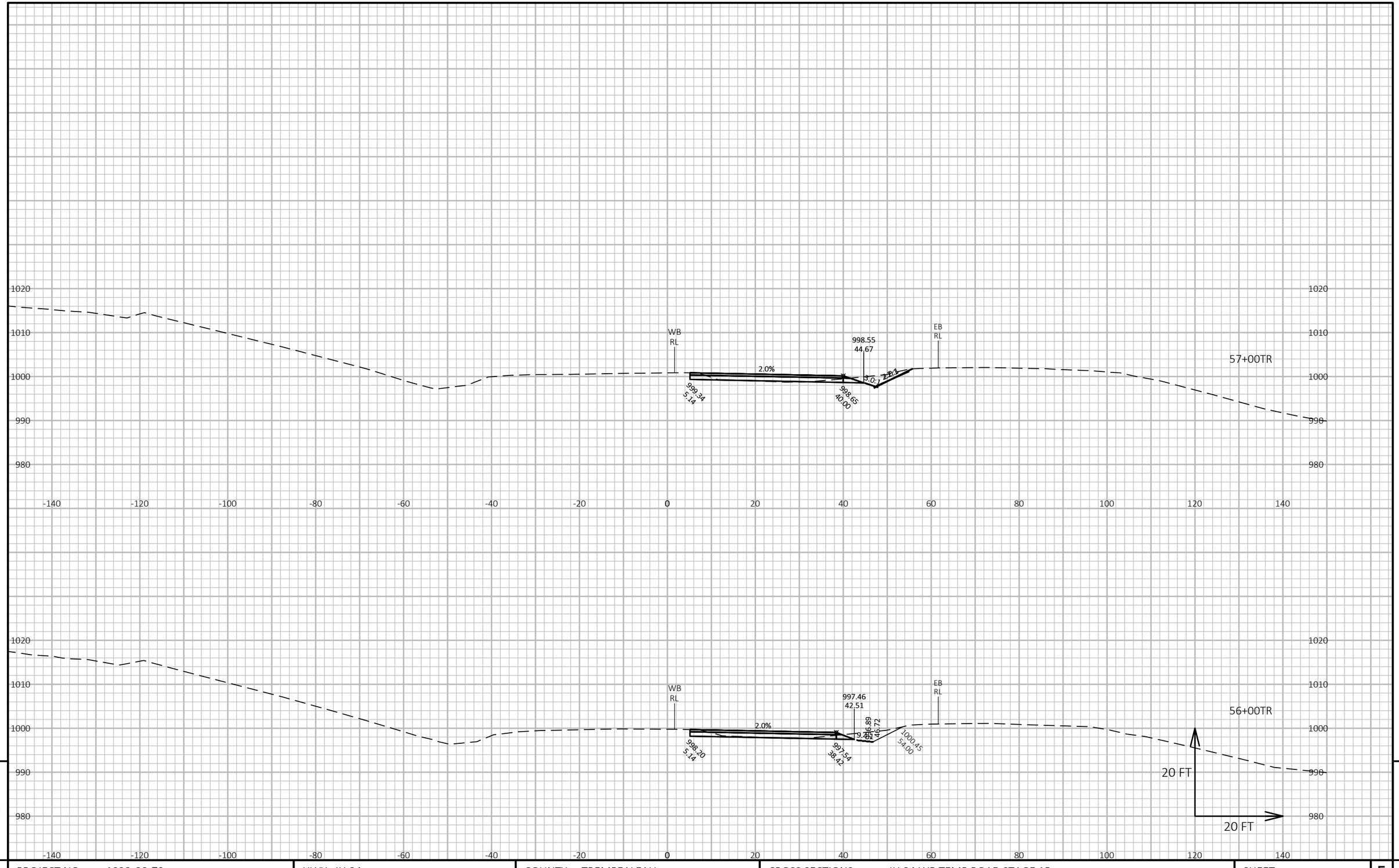
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 634	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 06

PLOT DATE : 10/30/2021 7:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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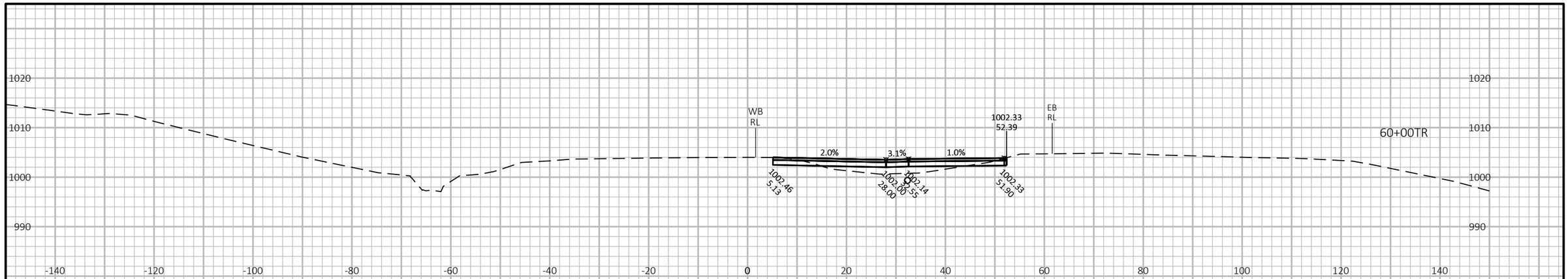
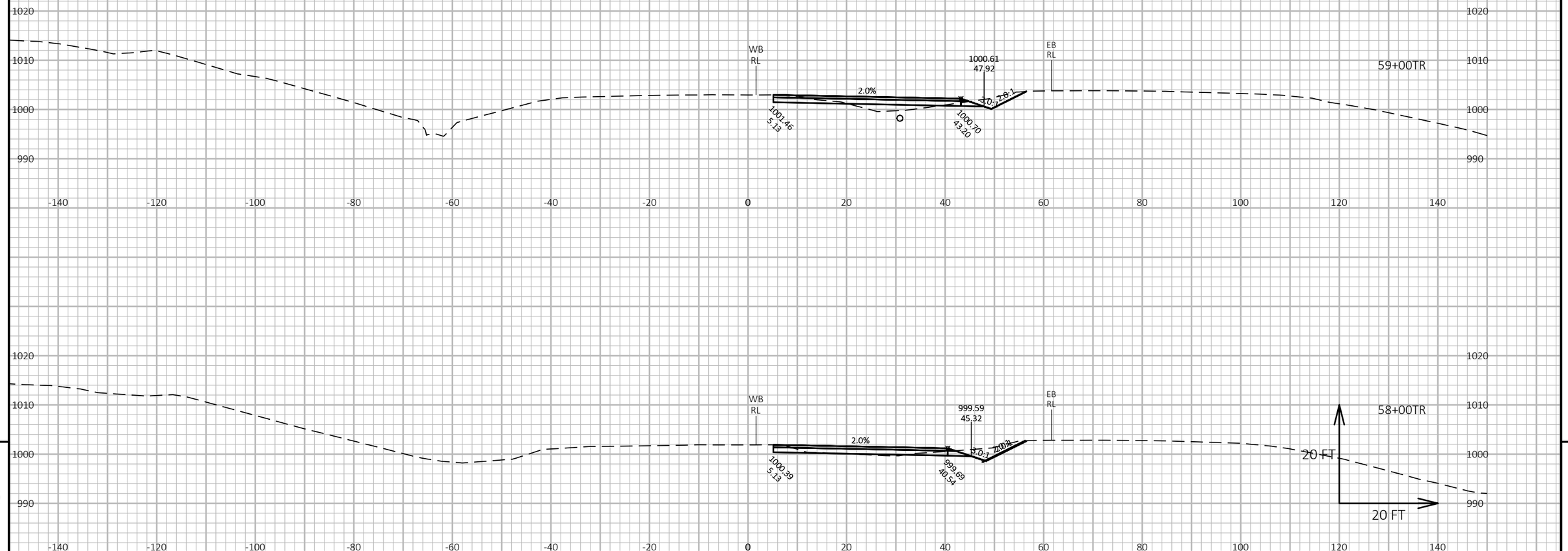
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 635	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 07

PLOT DATE : 10/30/2021 7:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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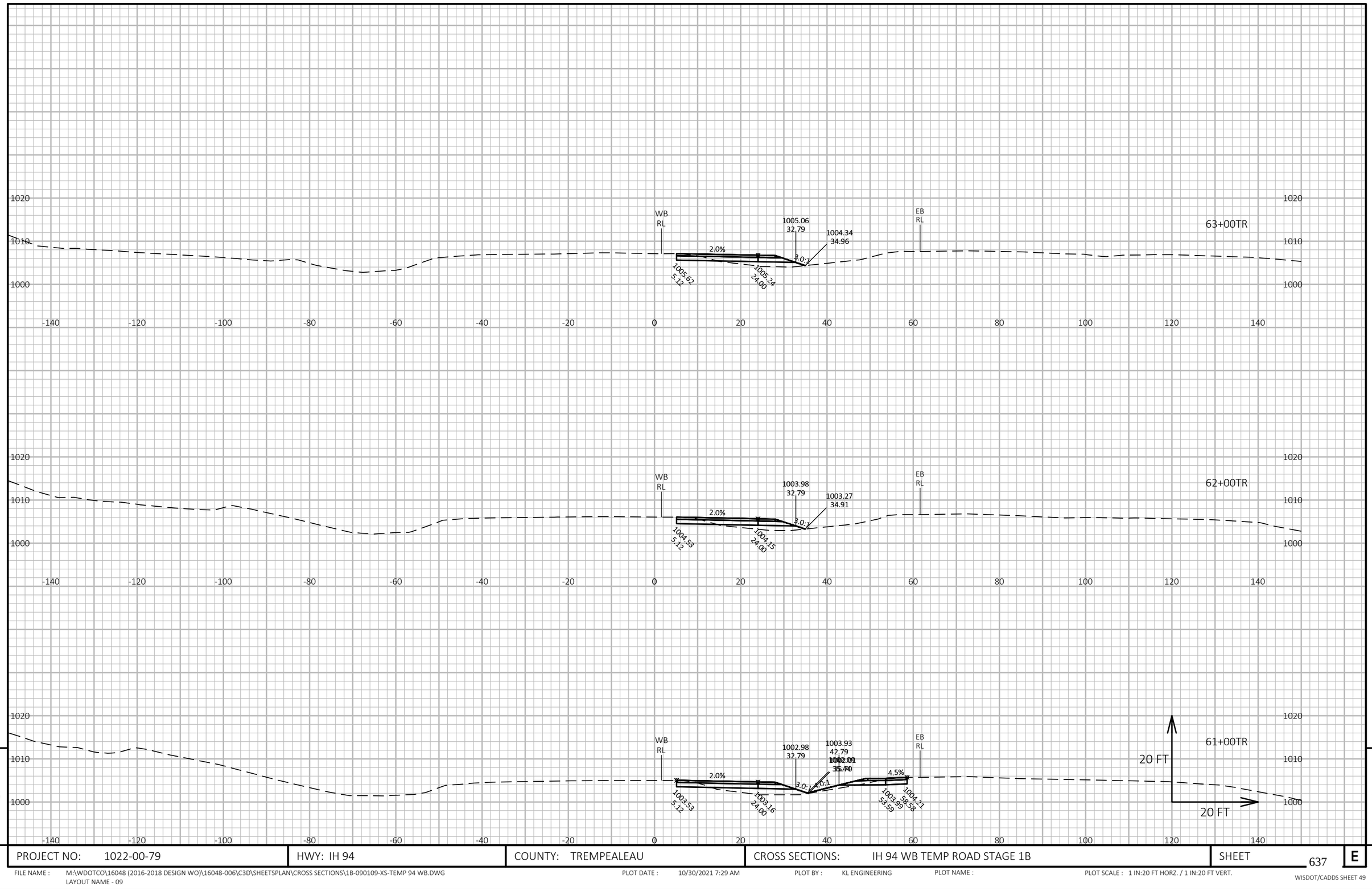
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 636	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 08

PLOT DATE : 10/30/2021 7:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

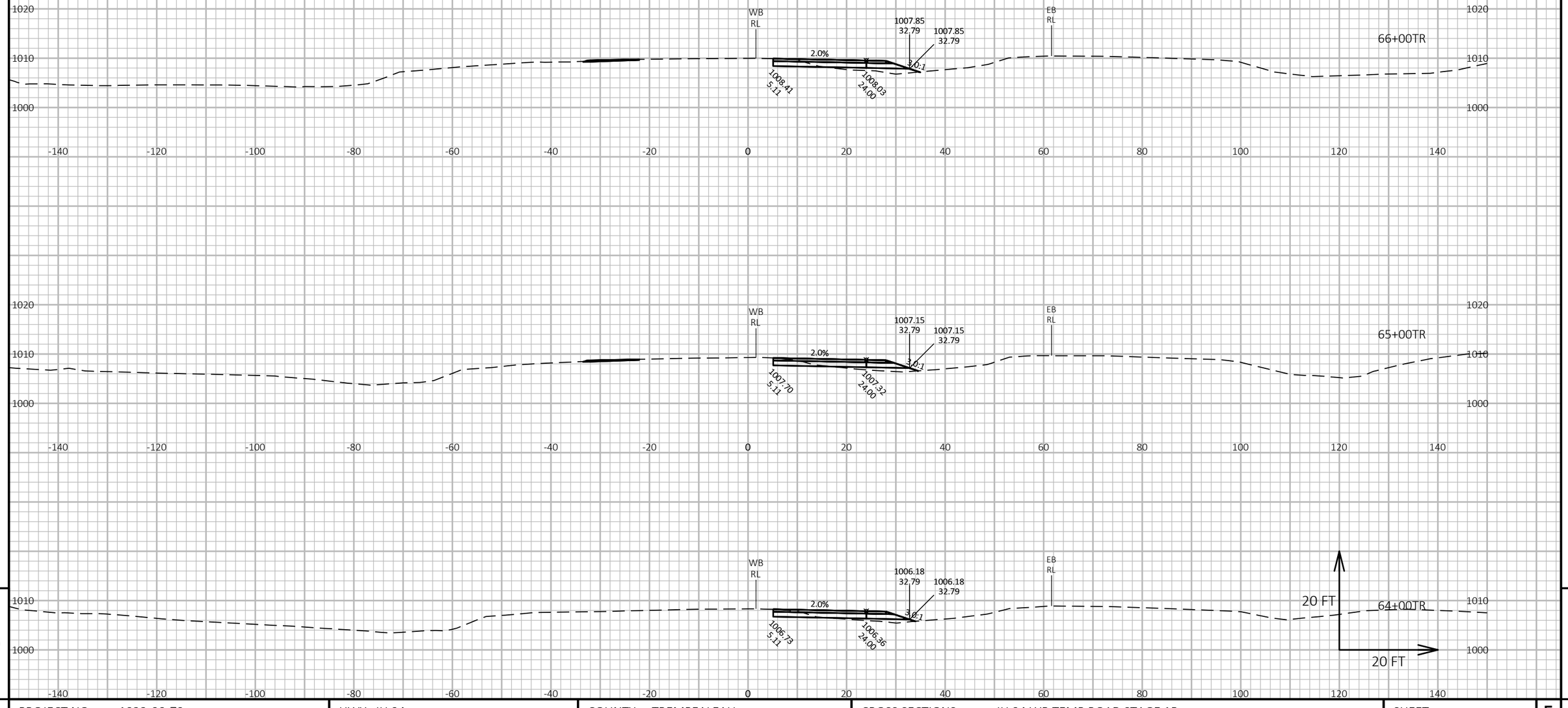


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 637 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 09

PLOT DATE : 10/30/2021 7:29 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

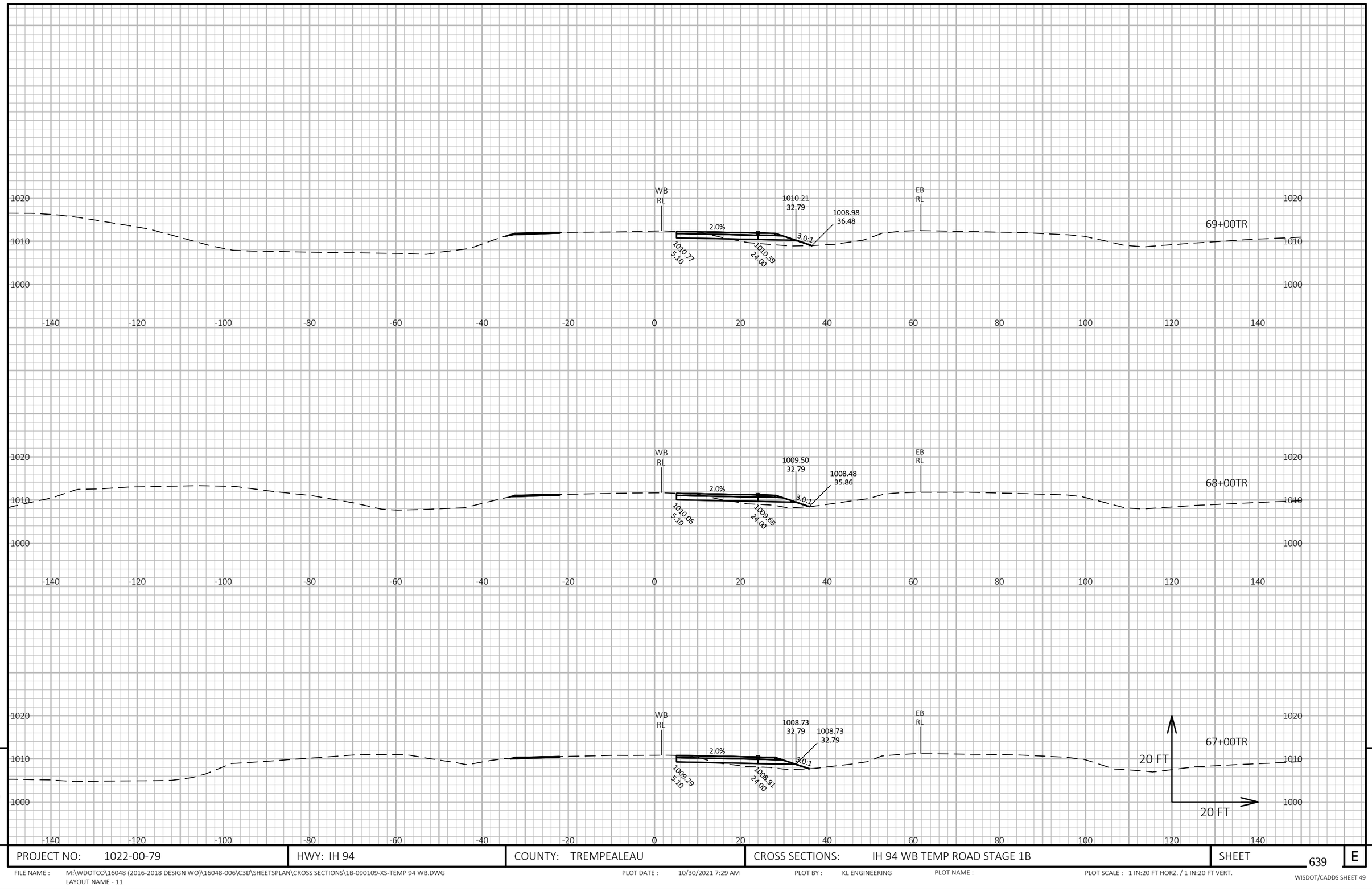


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 638 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 10

PLOT DATE : 10/30/2021 7:29 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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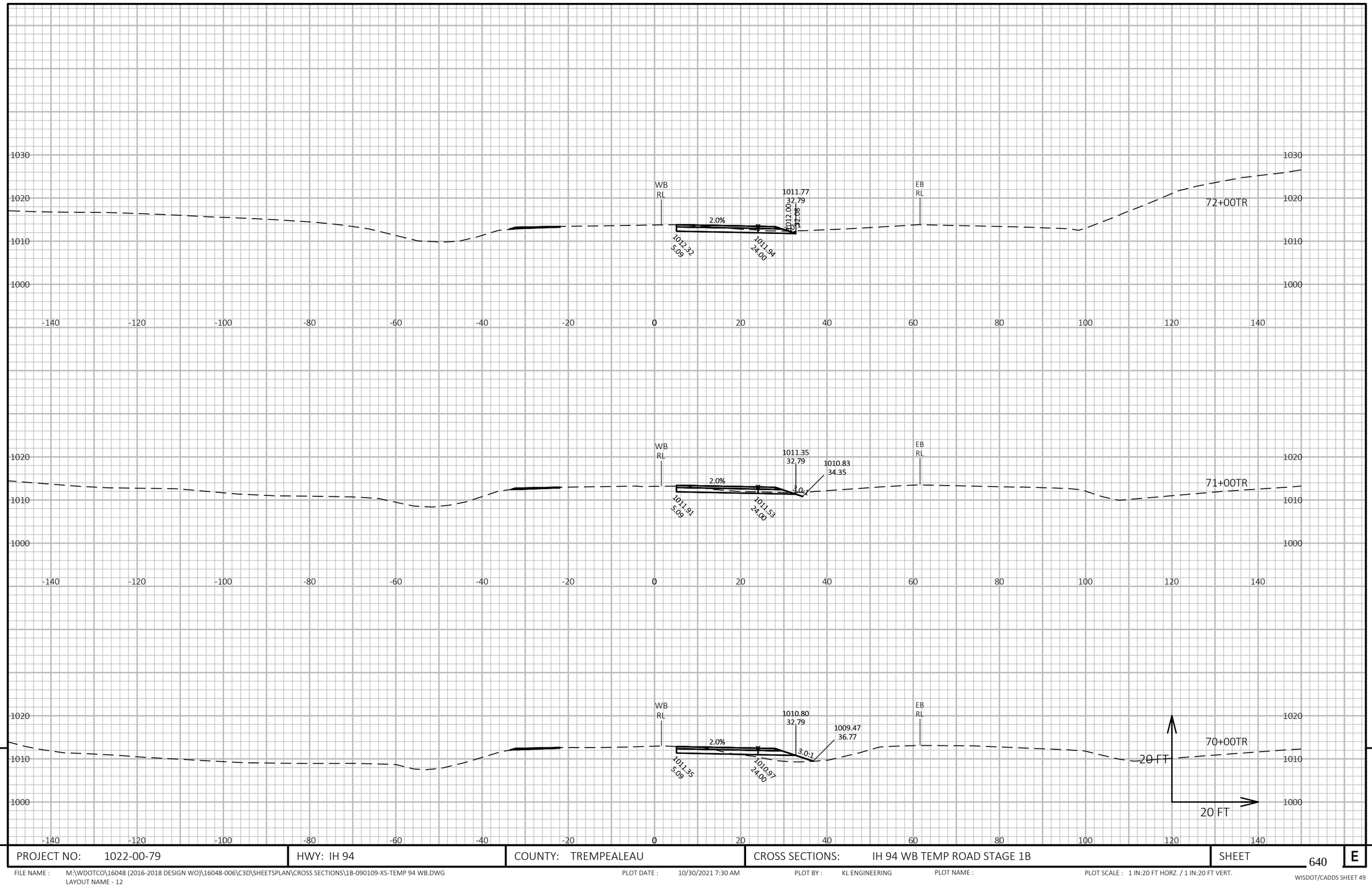
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 639	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 11

PLOT DATE : 10/30/2021 7:29 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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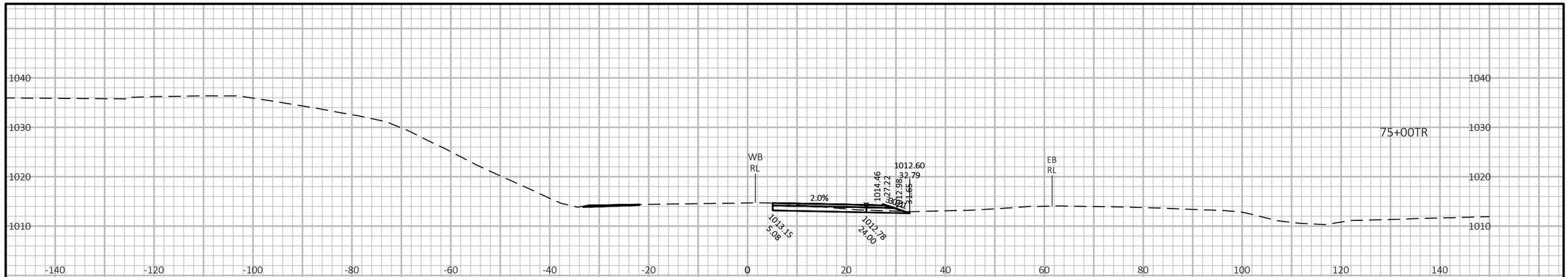
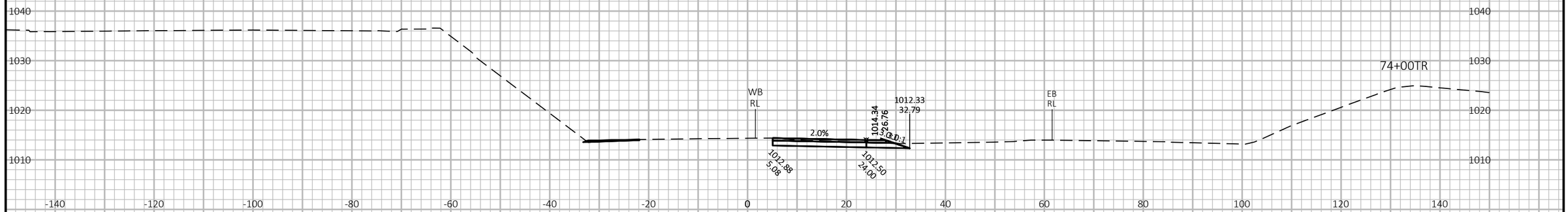
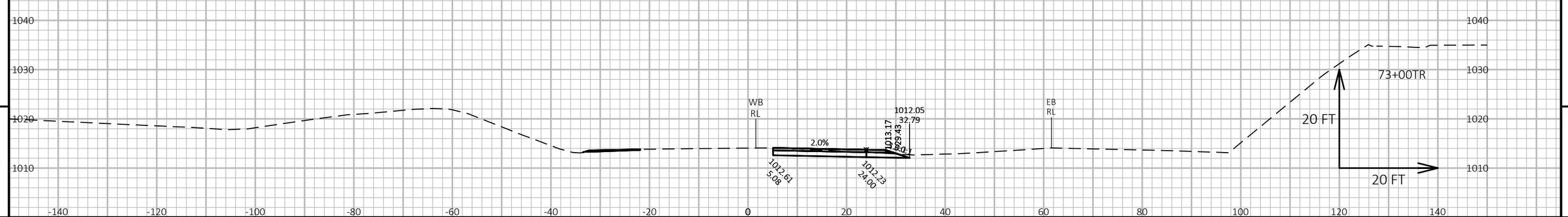
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 640	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 12

PLOT DATE : 10/30/2021 7:30 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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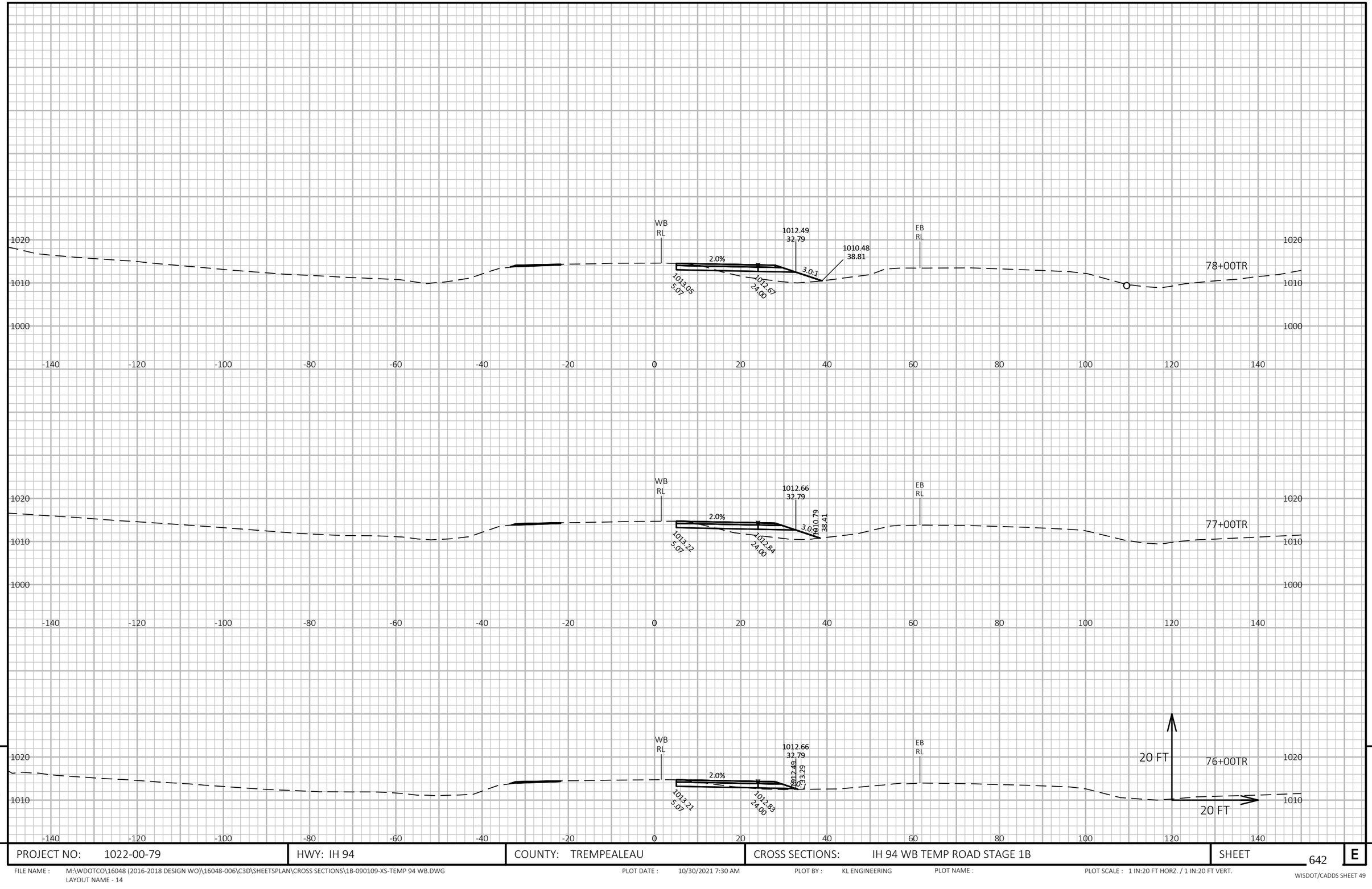
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 641	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 13

PLOT DATE : 10/30/2021 7:30 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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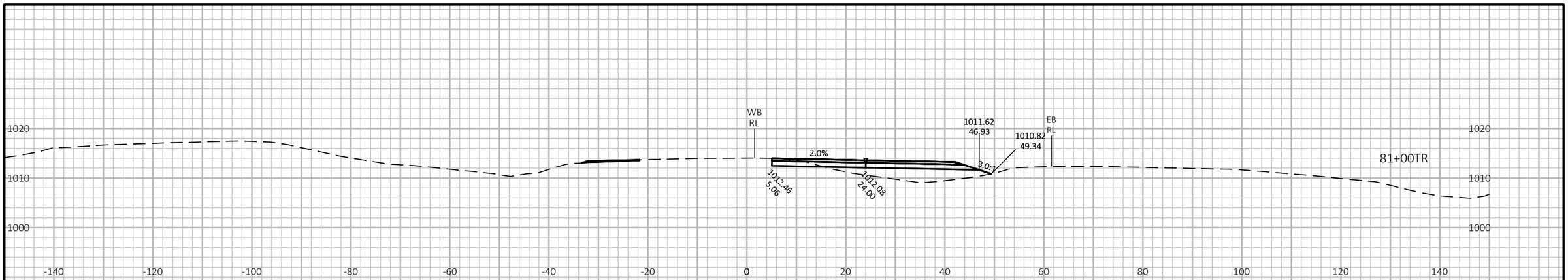
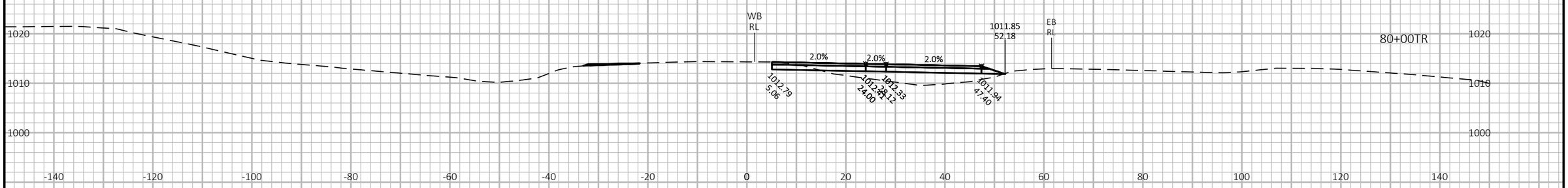
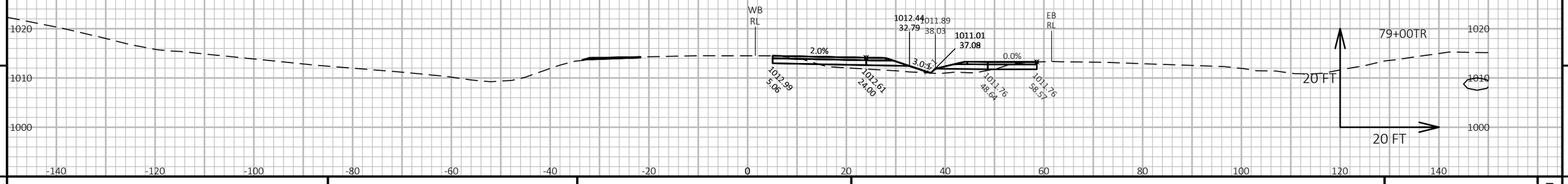
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 642	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 14

PLOT DATE : 10/30/2021 7:30 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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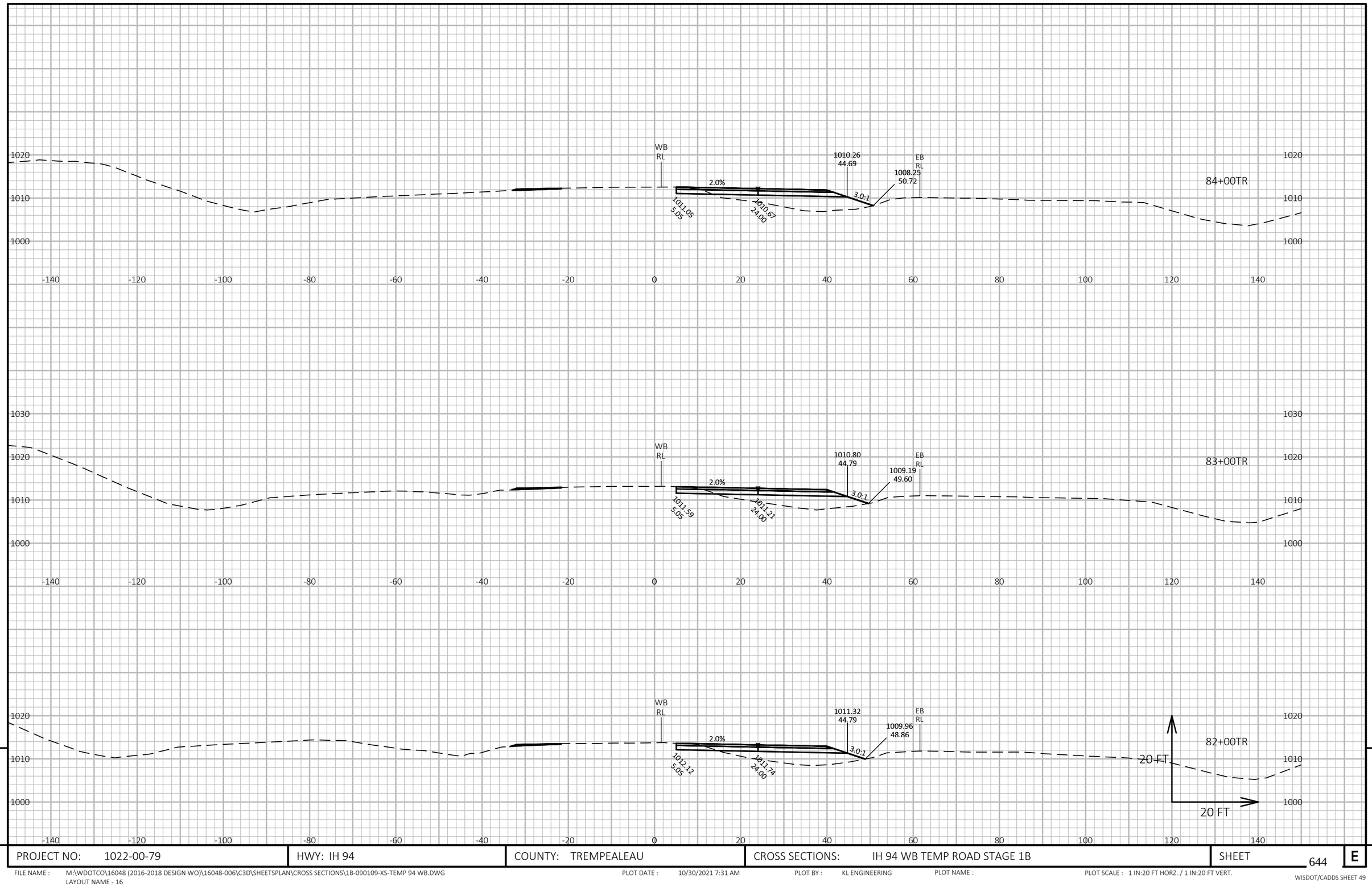
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 643	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 15

PLOT DATE : 10/30/2021 7:30 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

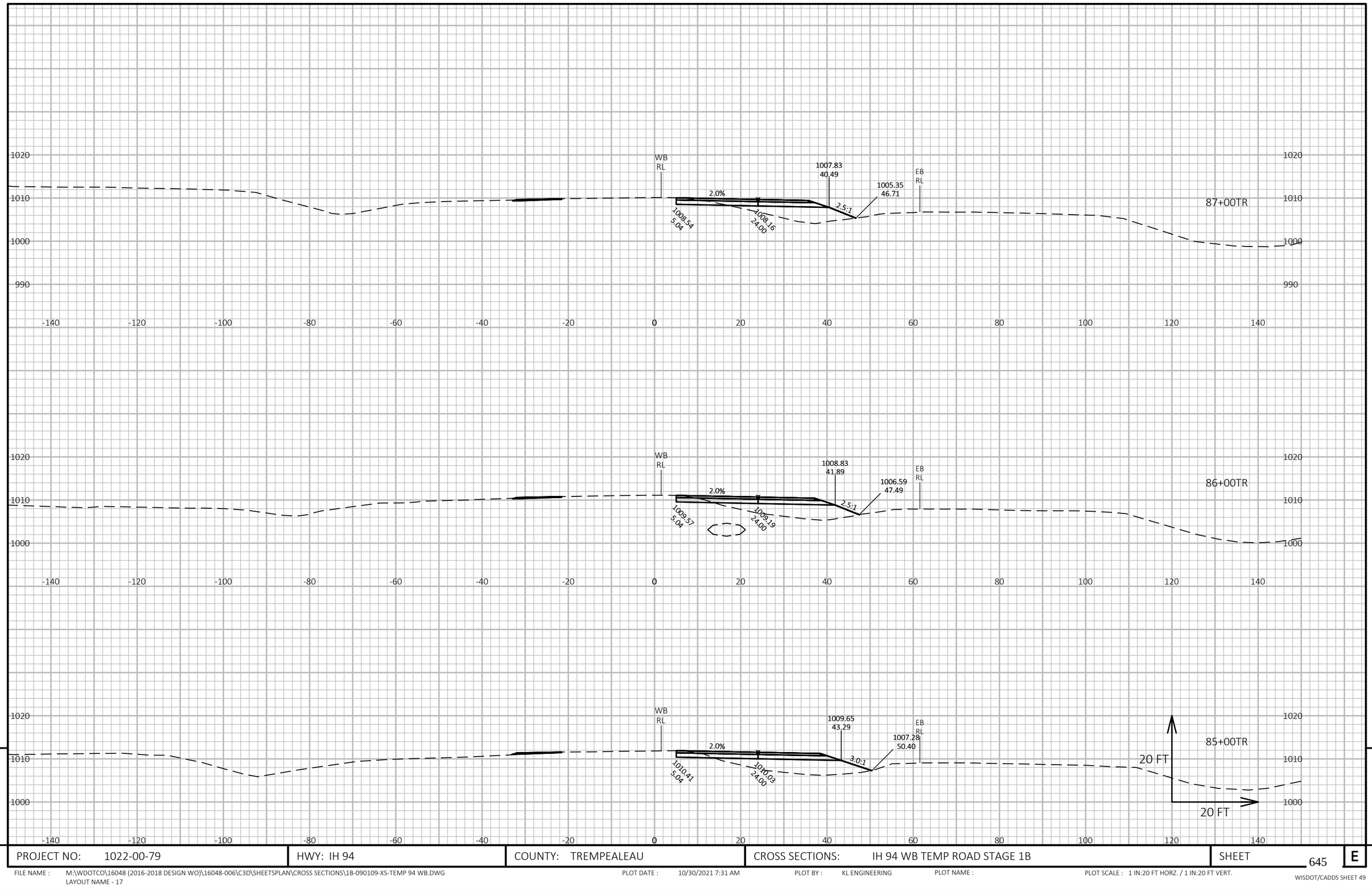


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 644	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 16

PLOT DATE : 10/30/2021 7:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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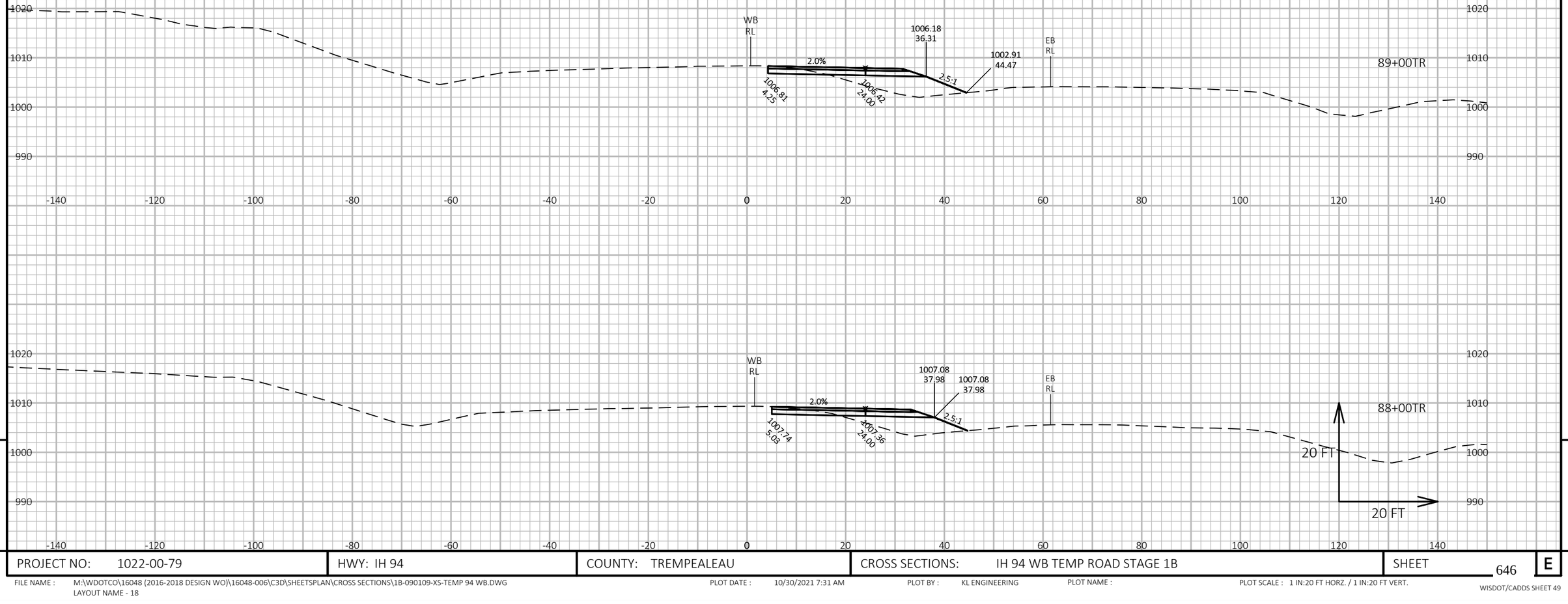
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 645	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 17

PLOT DATE : 10/30/2021 7:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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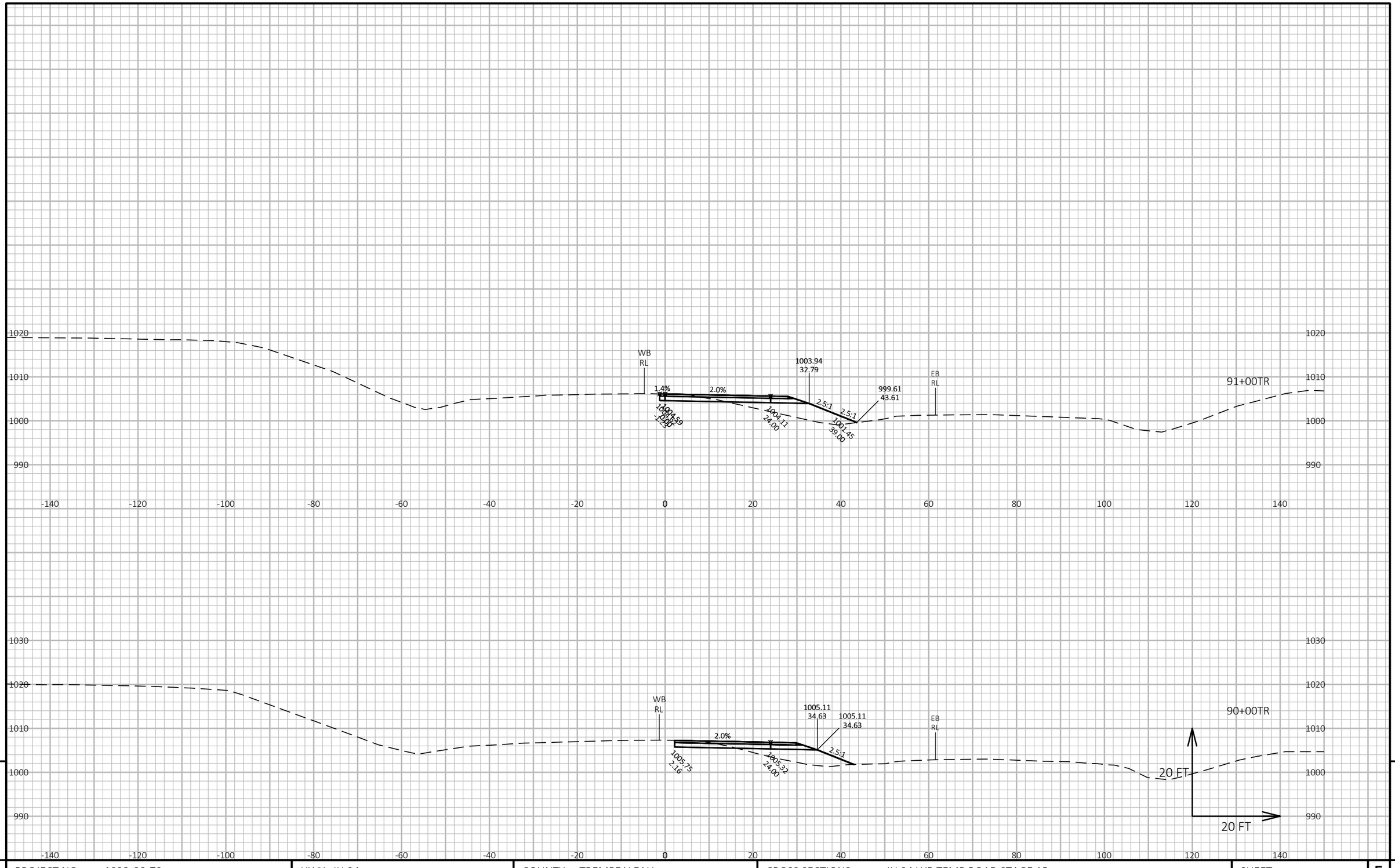
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 646	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 18

PLOT DATE : 10/30/2021 7:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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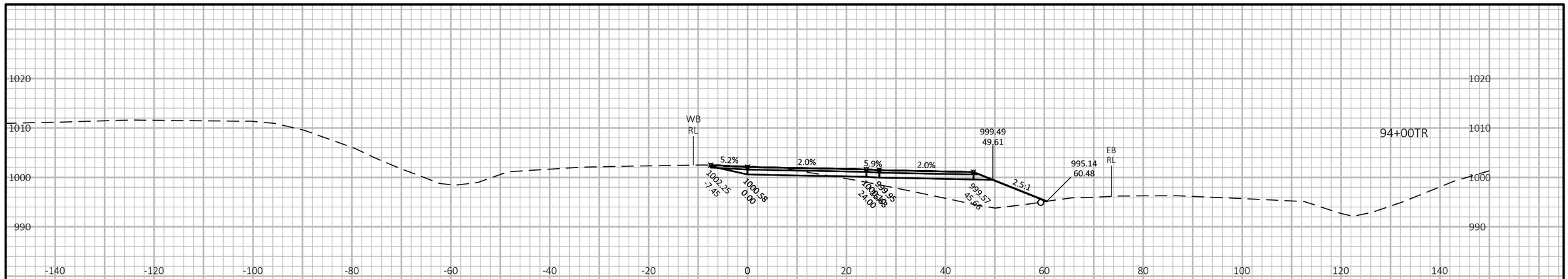
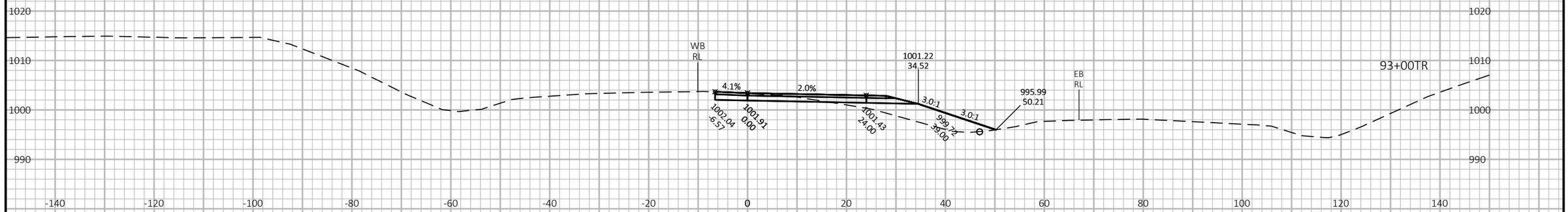
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 647	E

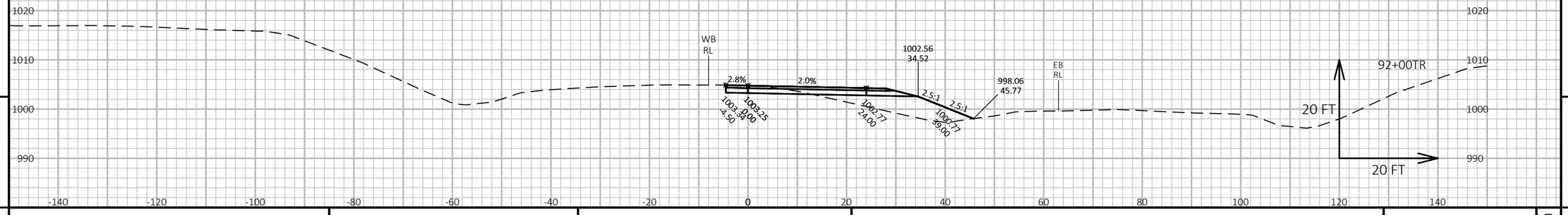
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 19

PLOT DATE : 10/30/2021 7:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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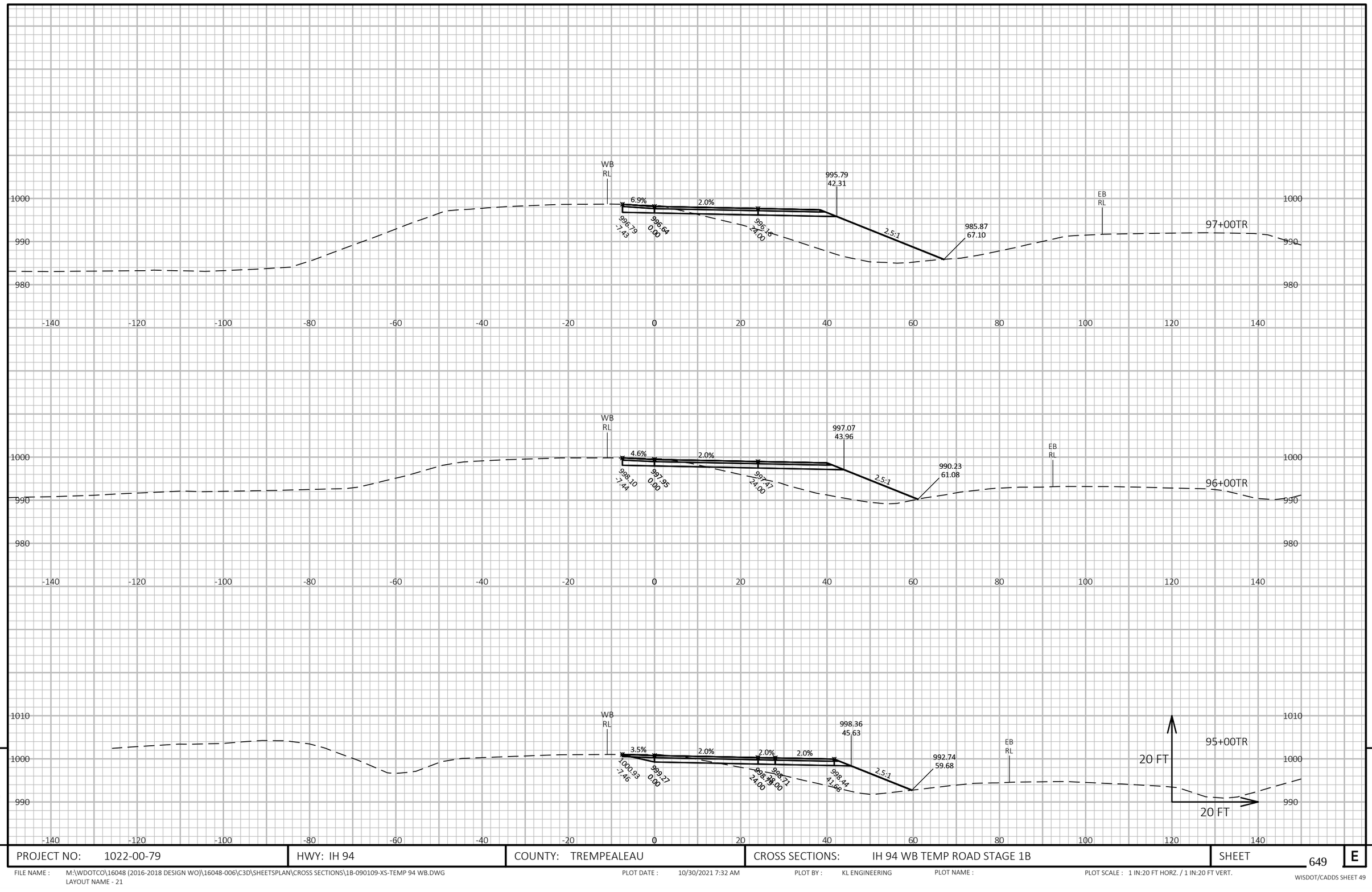
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 648	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 20

PLOT DATE : 10/30/2021 7:32 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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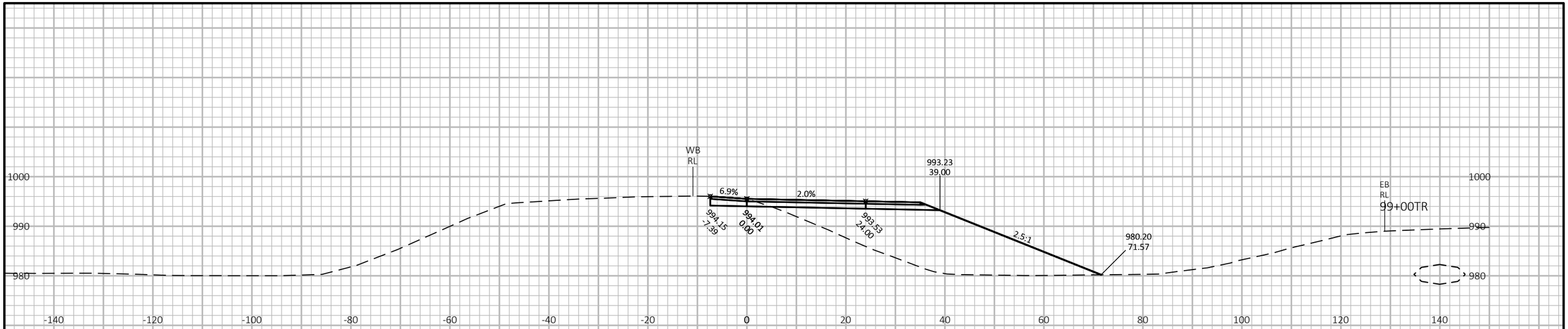
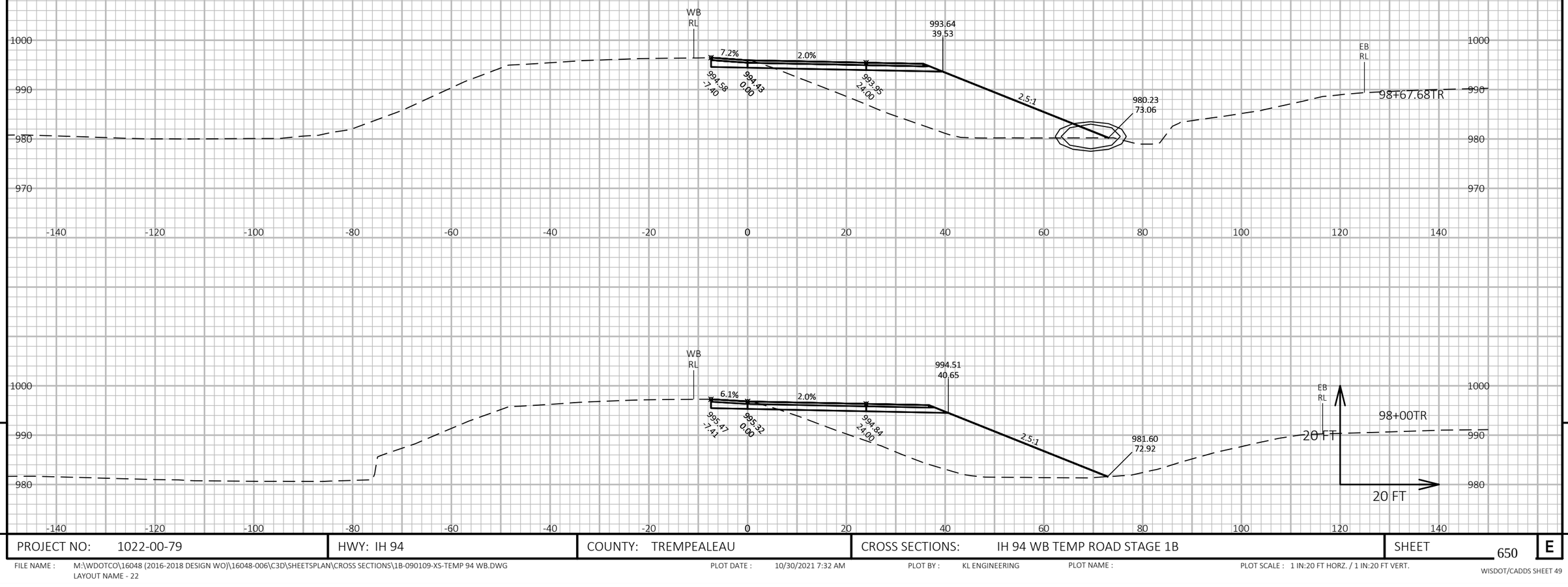
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 649	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 21

PLOT DATE : 10/30/2021 7:32 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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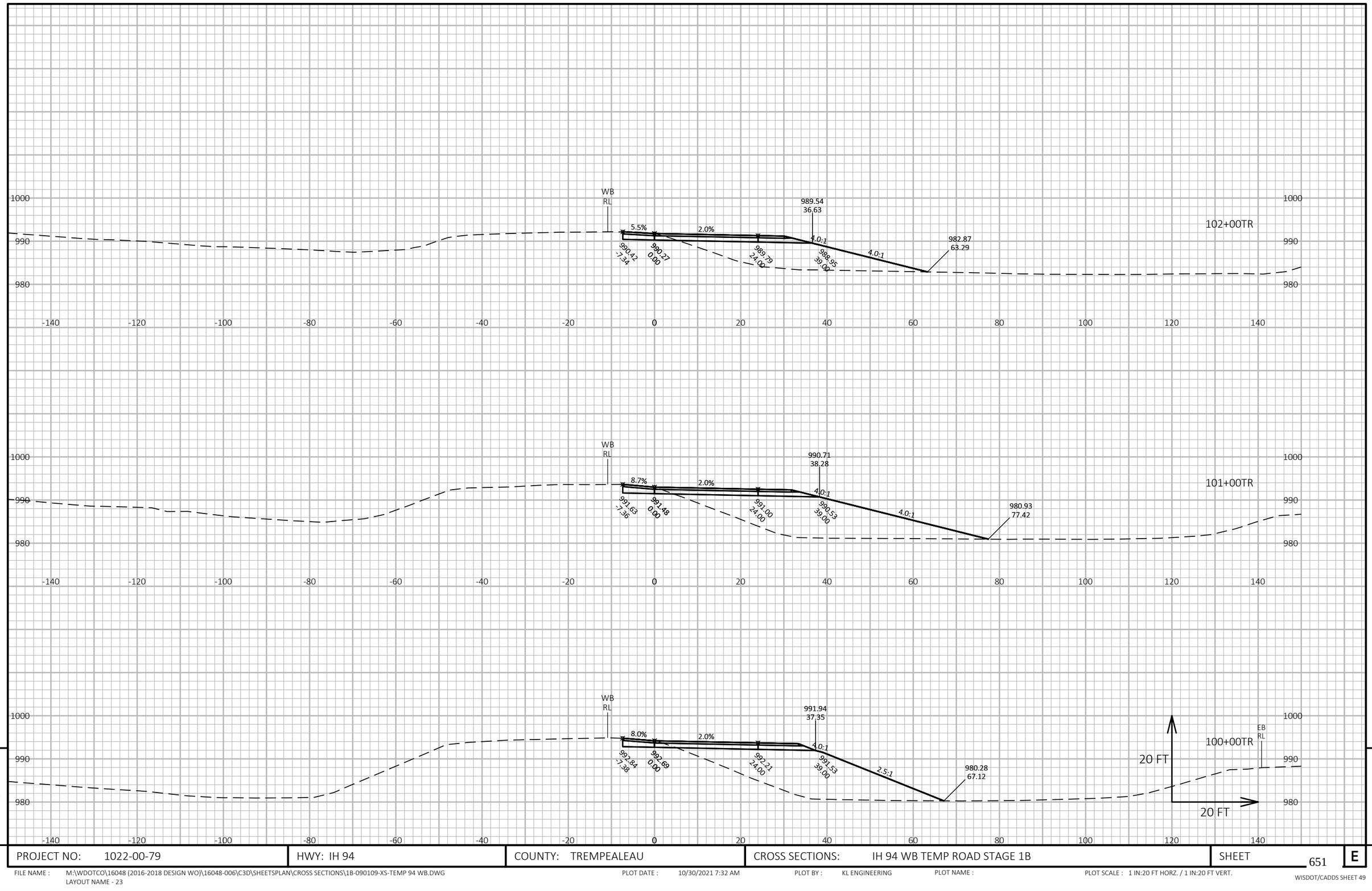
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 650	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 22

PLOT DATE : 10/30/2021 7:32 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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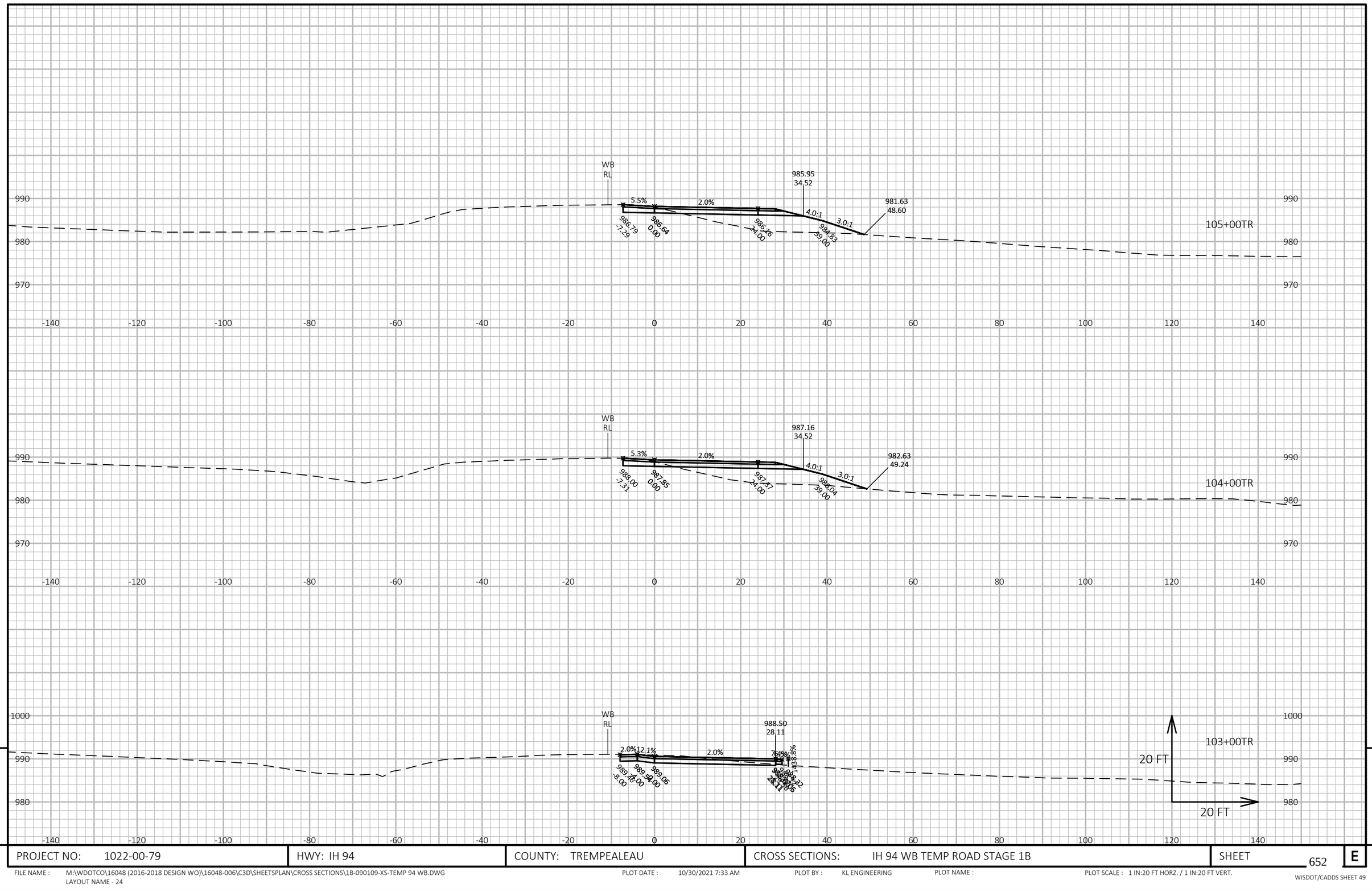
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 651	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 23

PLOT DATE : 10/30/2021 7:32 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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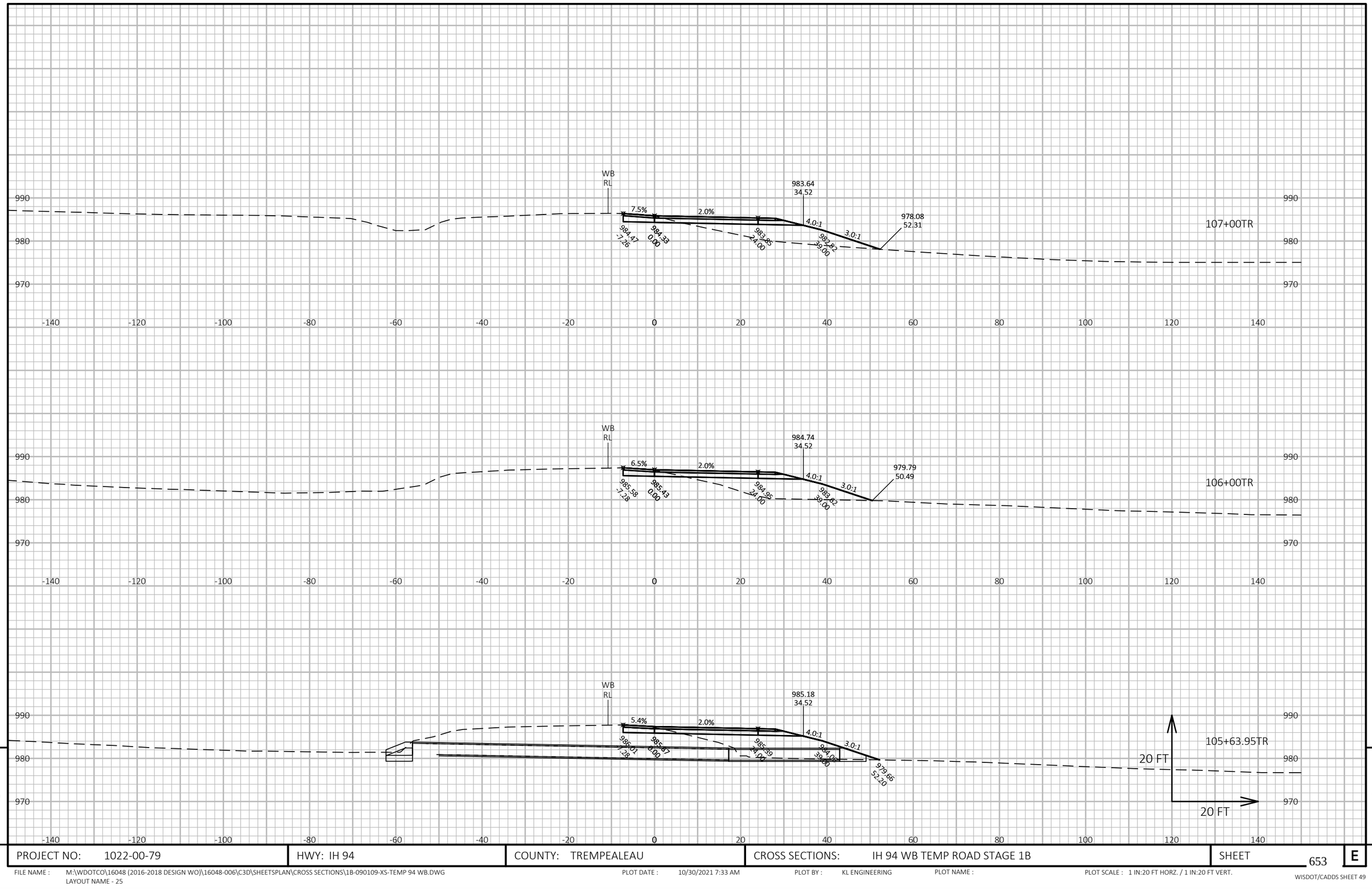
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 652	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 24
PLOT DATE : 10/30/2021 7:33 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

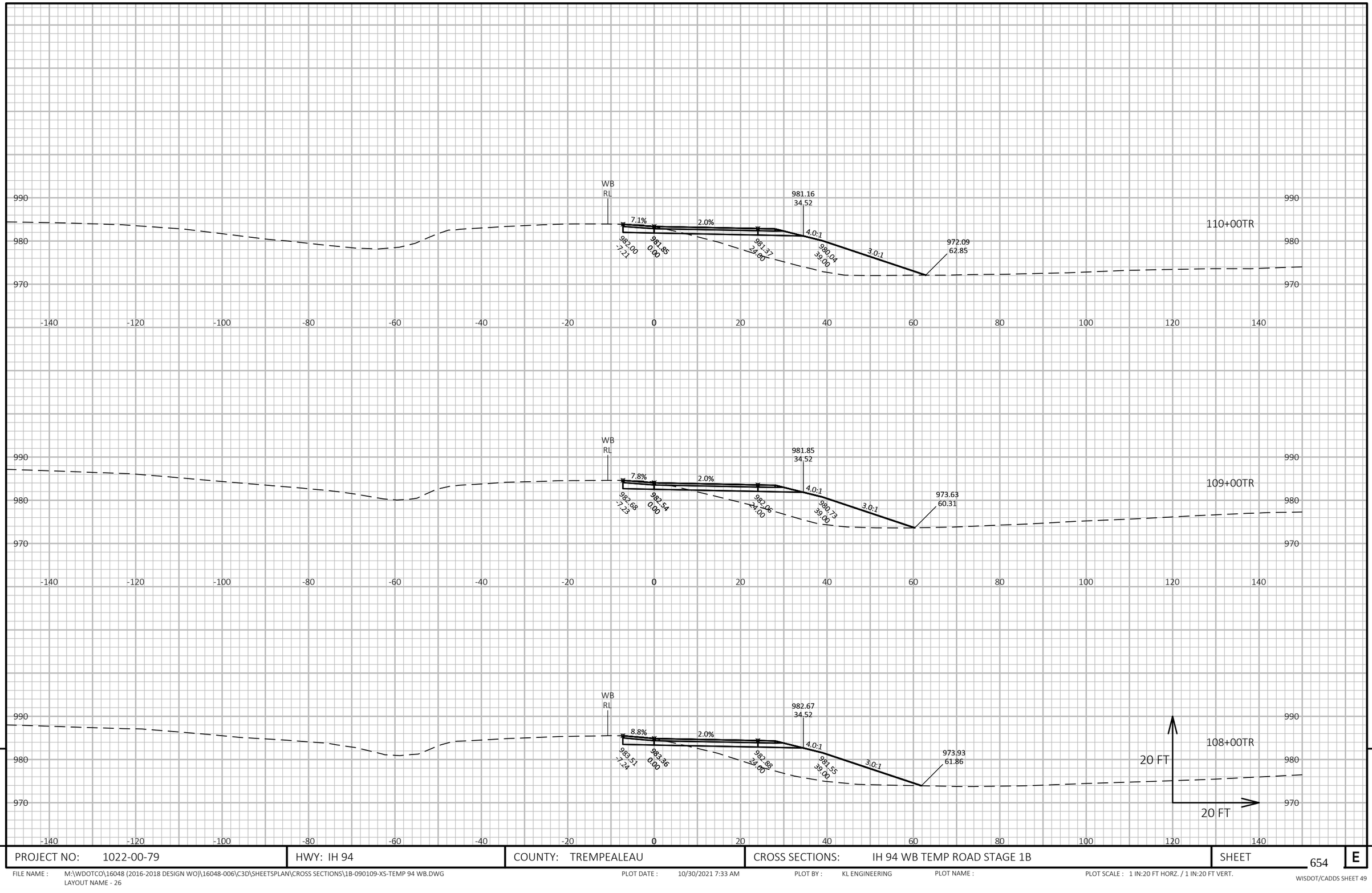


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 653	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 25

PLOT DATE : 10/30/2021 7:33 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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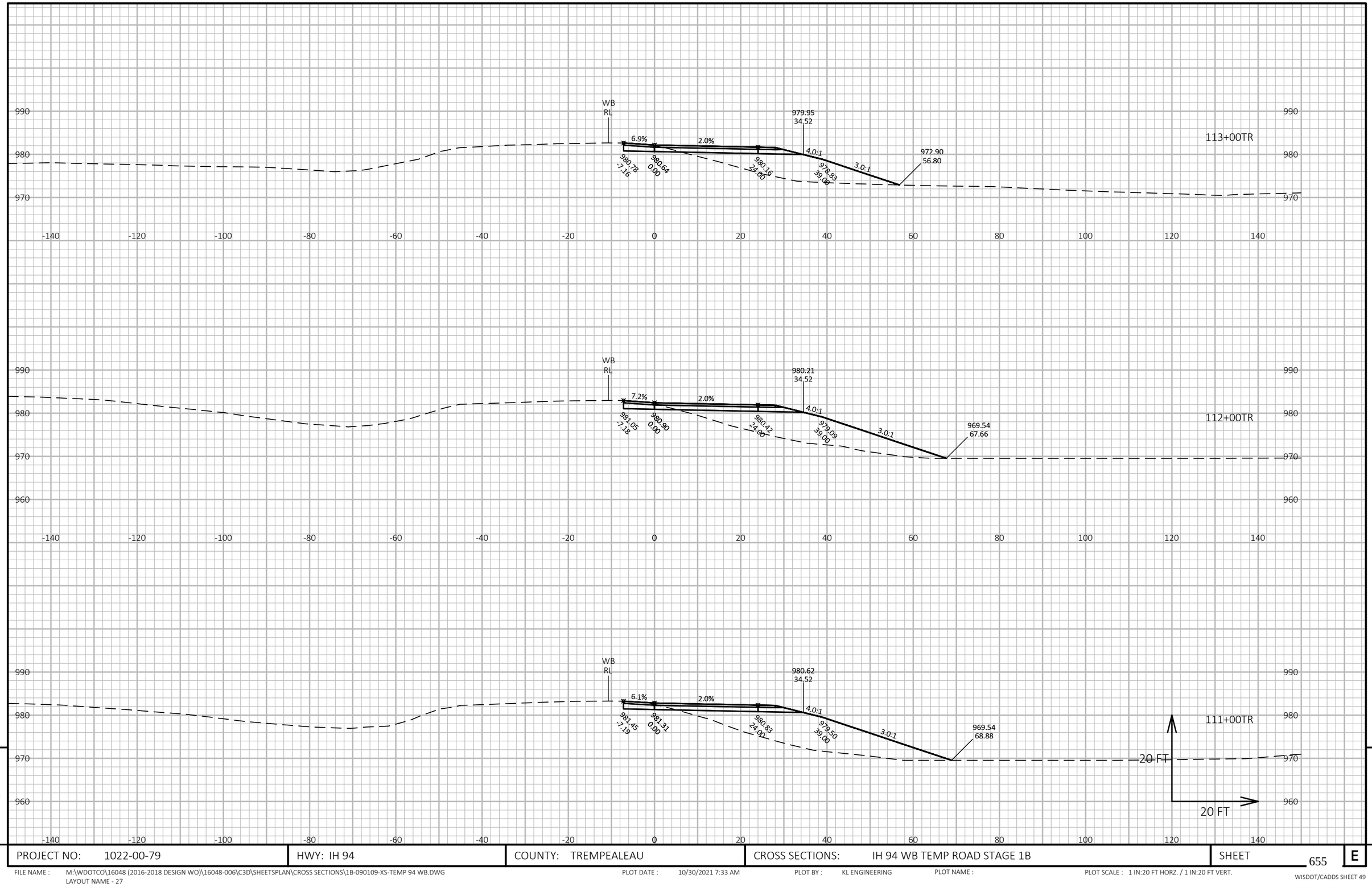
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 654	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 26

PLOT DATE : 10/30/2021 7:33 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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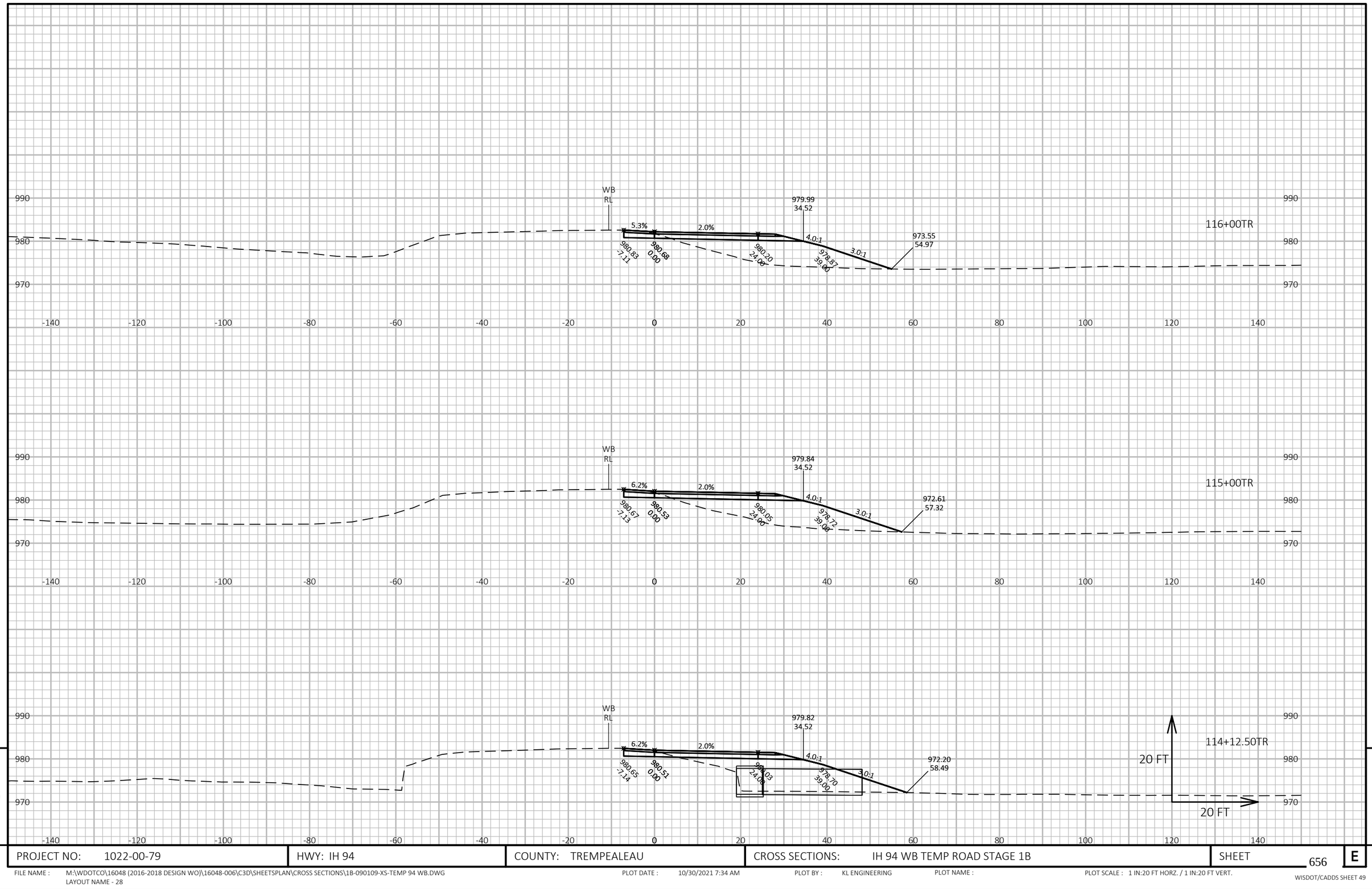
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 655	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 27

PLOT DATE : 10/30/2021 7:33 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 656	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 28

PLOT DATE : 10/30/2021 7:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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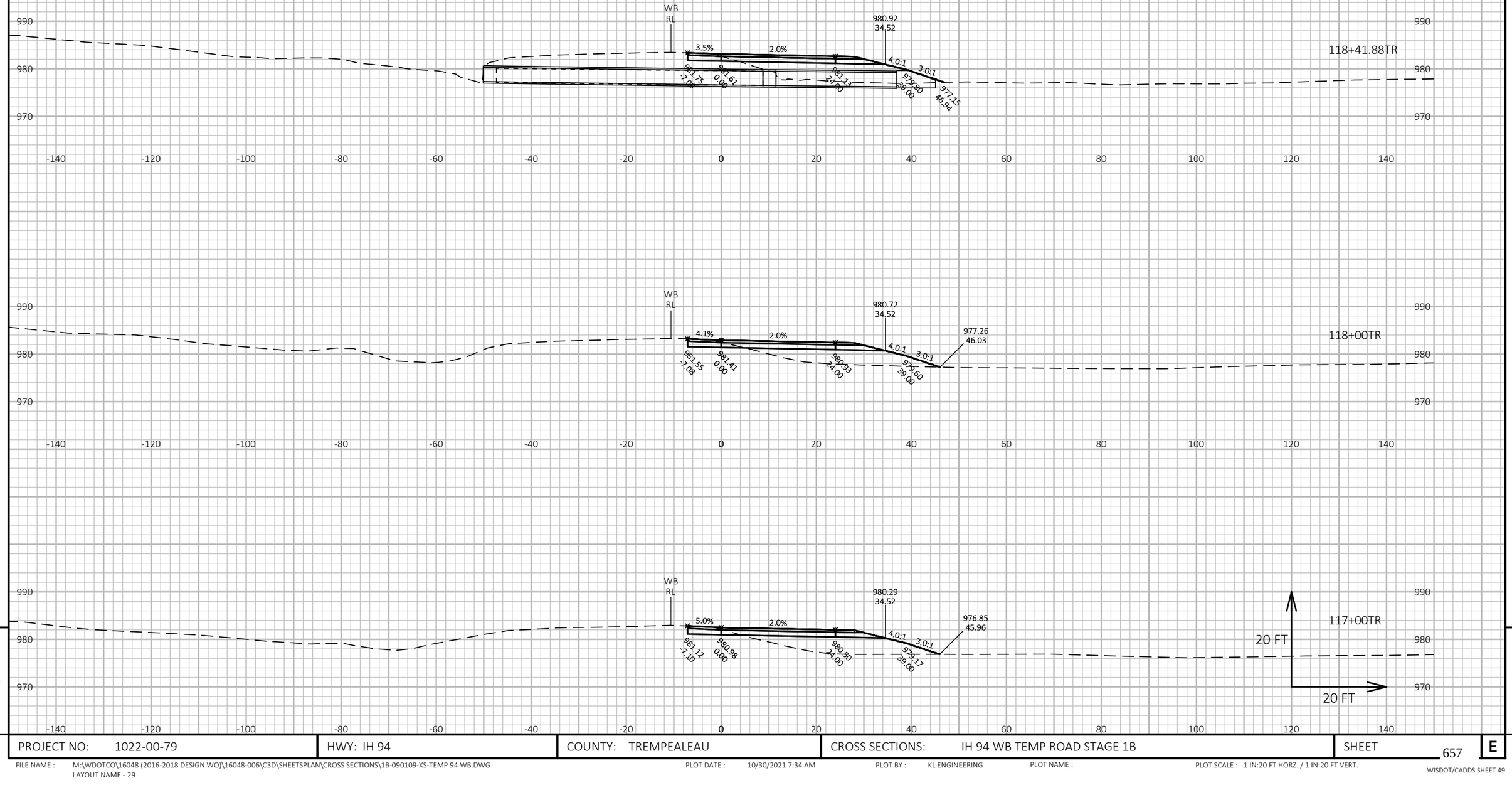

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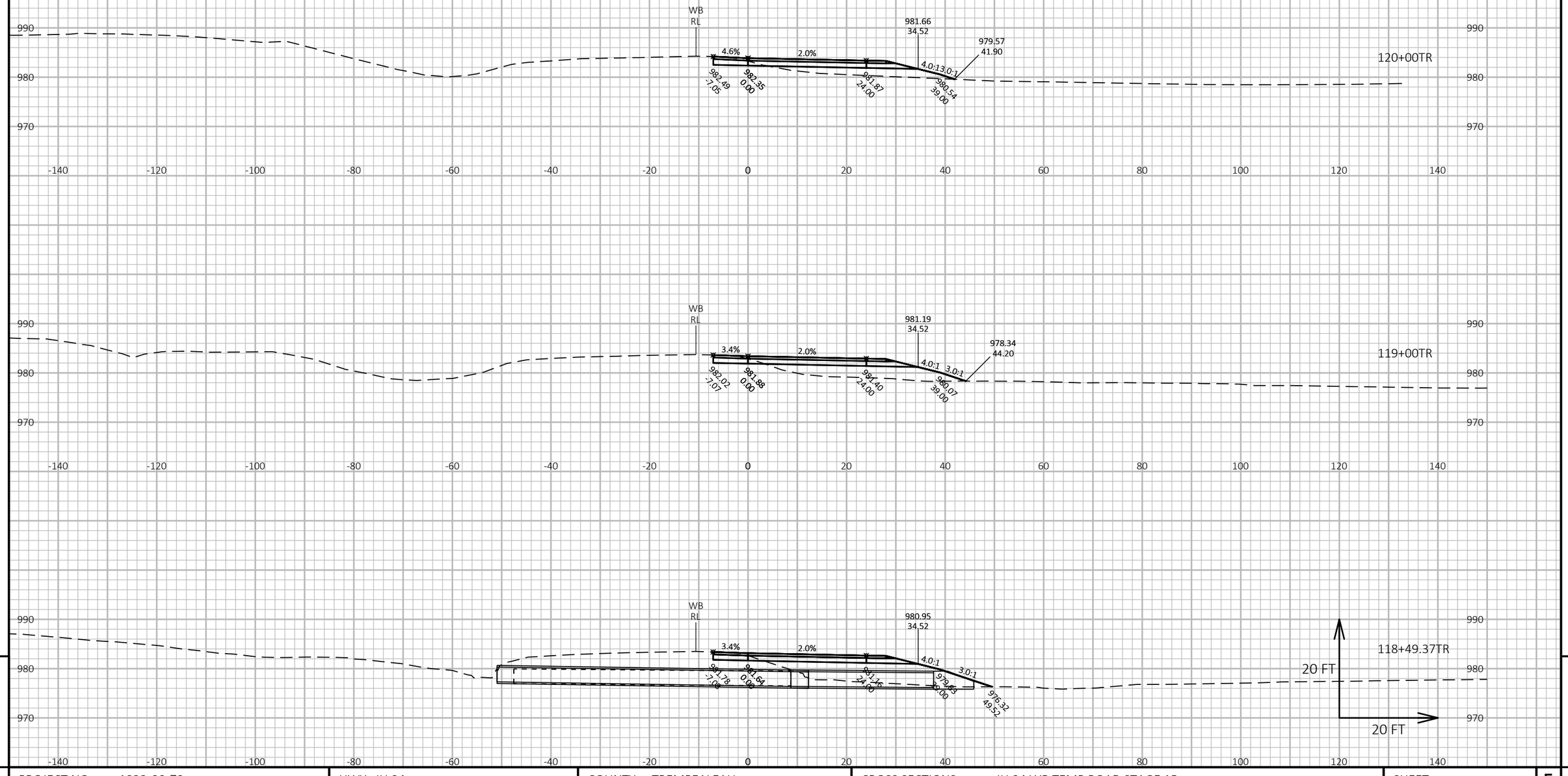
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 657	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 29

PLOT DATE : 10/30/2021 7:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

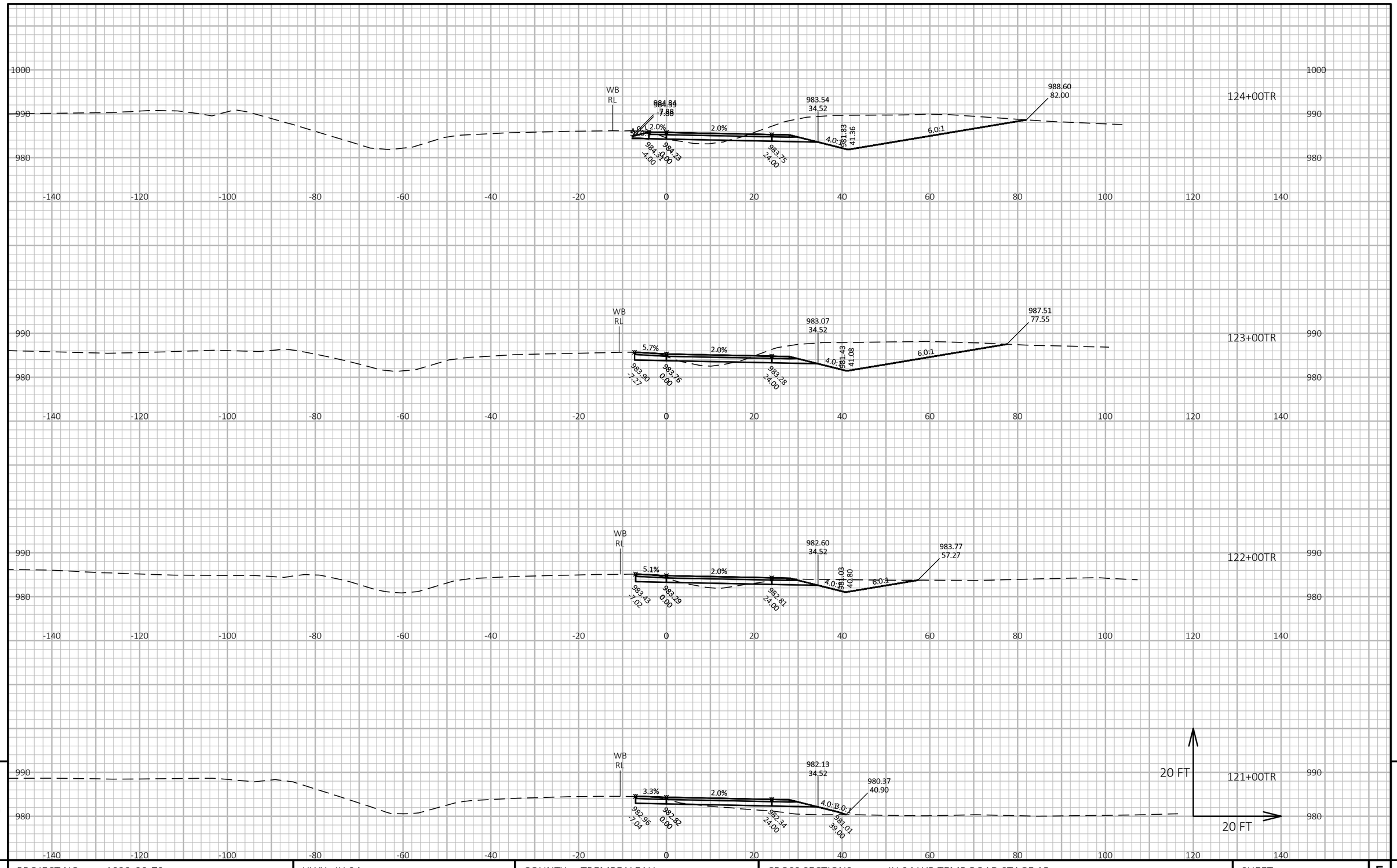


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 658 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 30

PLOT DATE : 10/30/2021 7:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

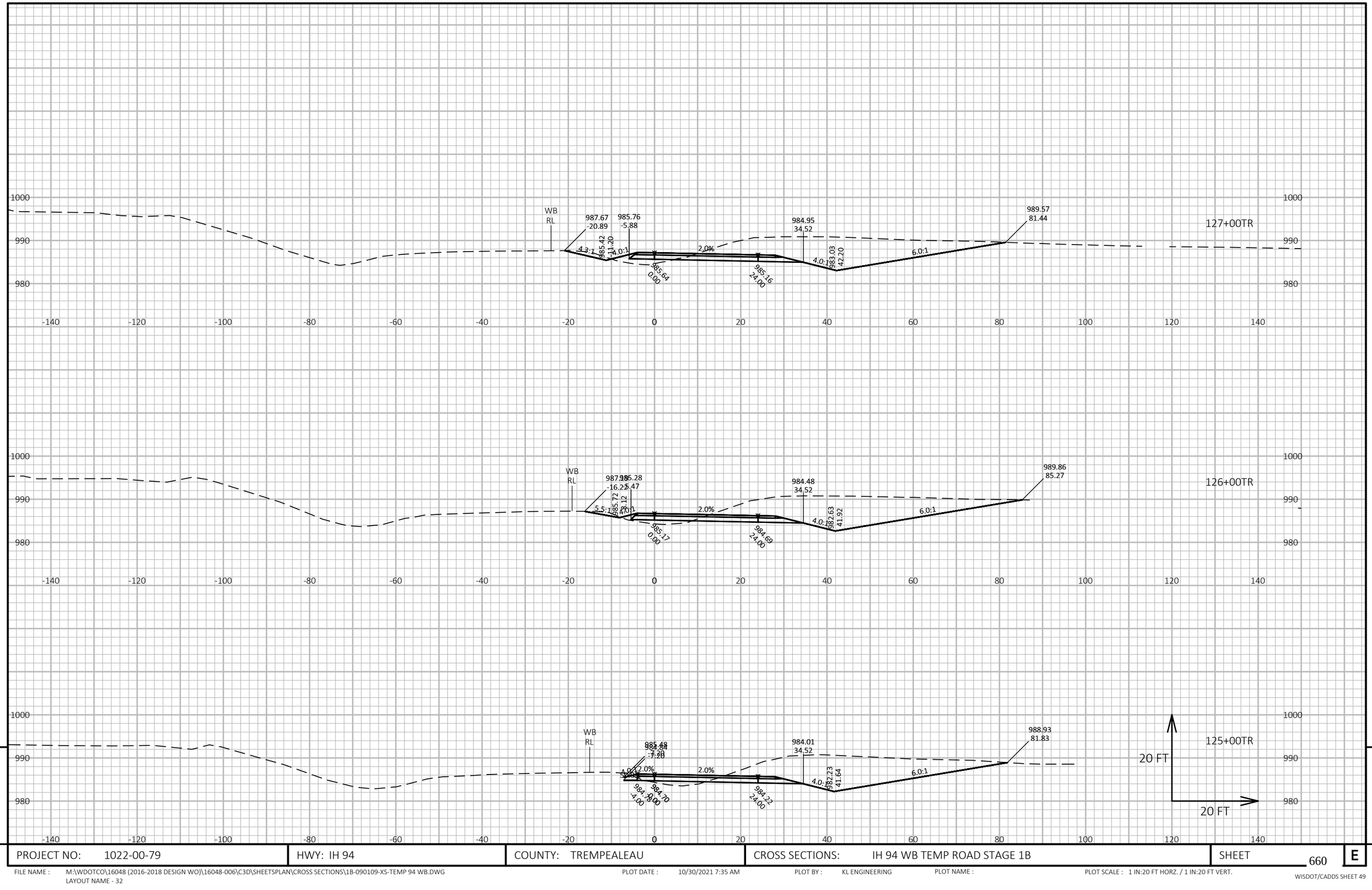
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 659 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 31

PLOT DATE : 10/30/2021 7:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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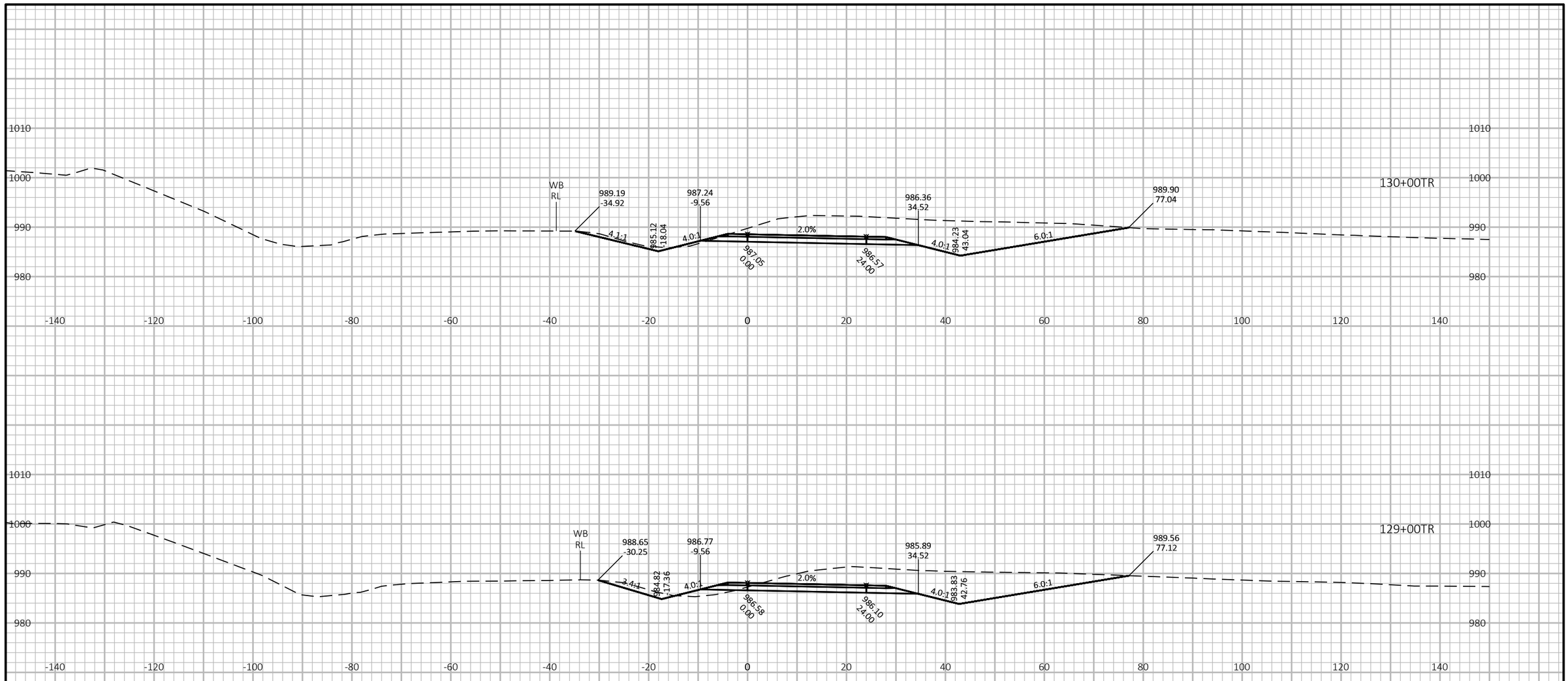
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 660	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 32

PLOT DATE : 10/30/2021 7:35 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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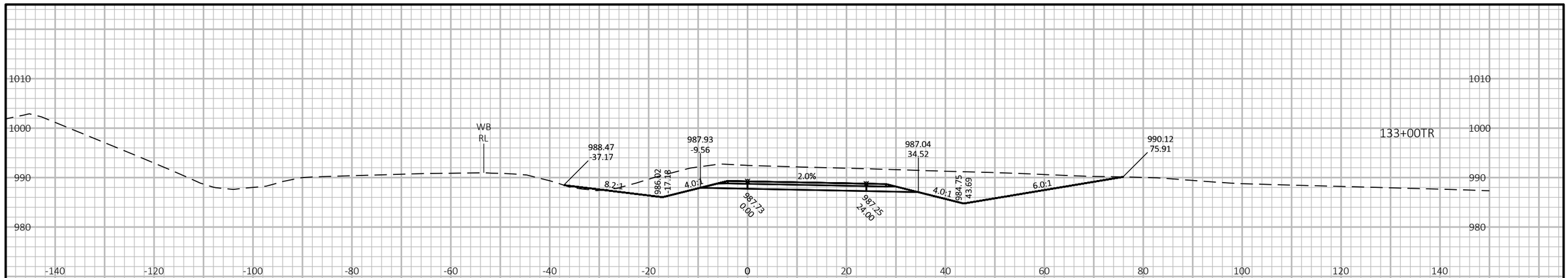
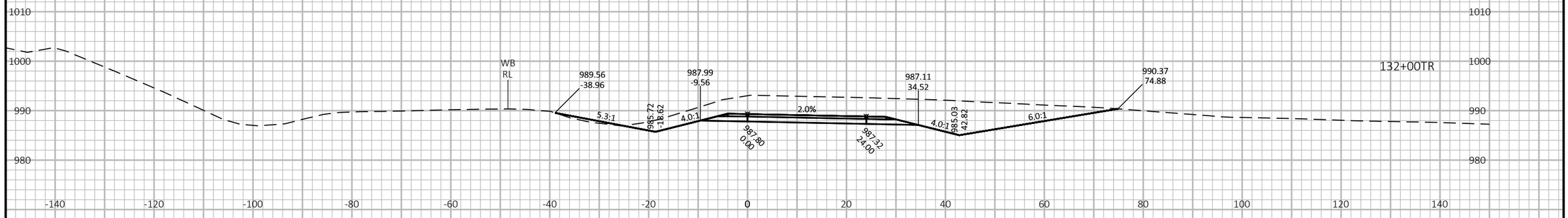
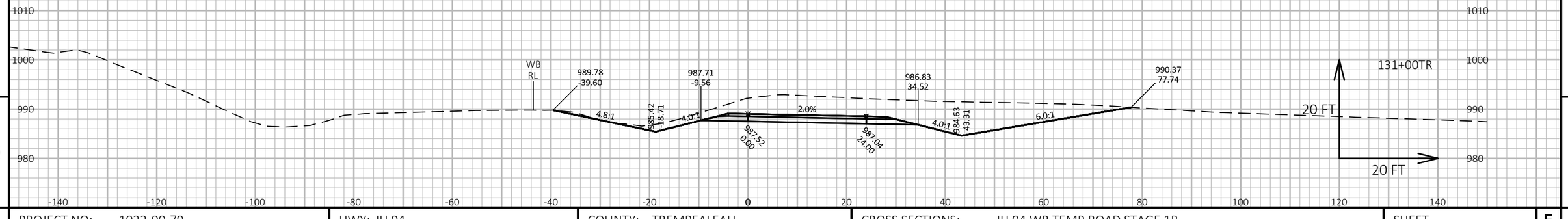
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 661	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 33
PLOT DATE : 10/30/2021 7:35 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49







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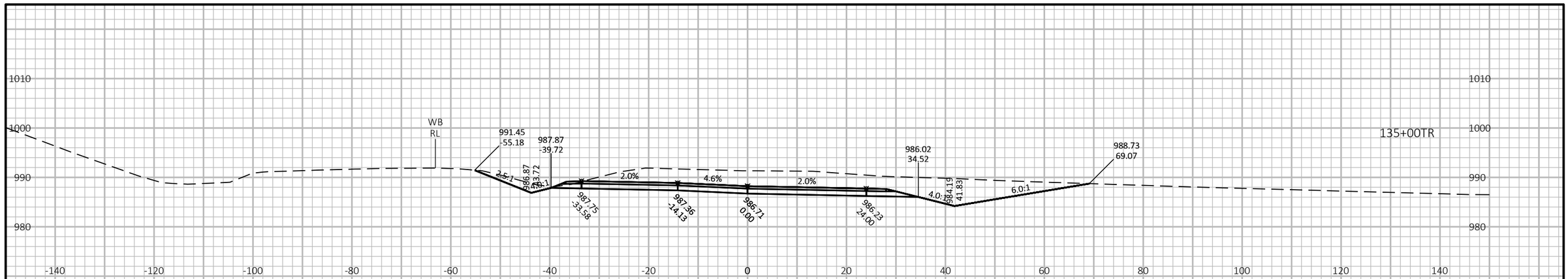
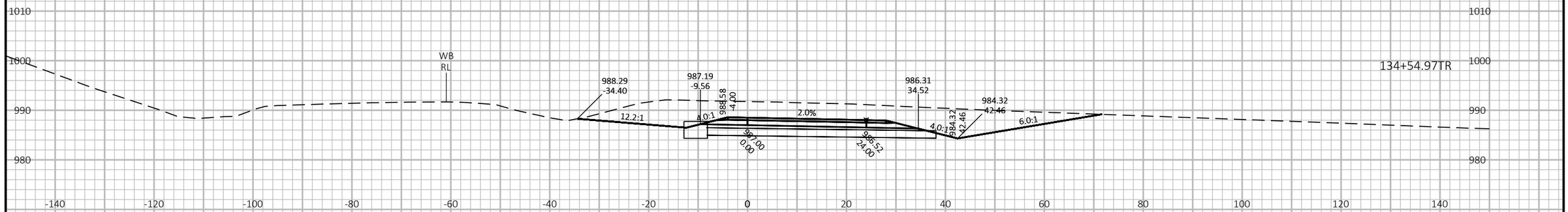
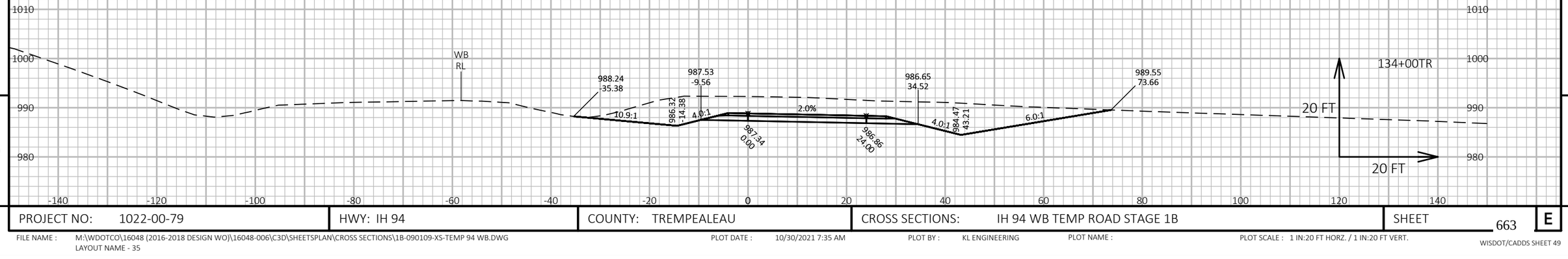
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 662	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 34

PLOT DATE : 10/30/2021 7:35 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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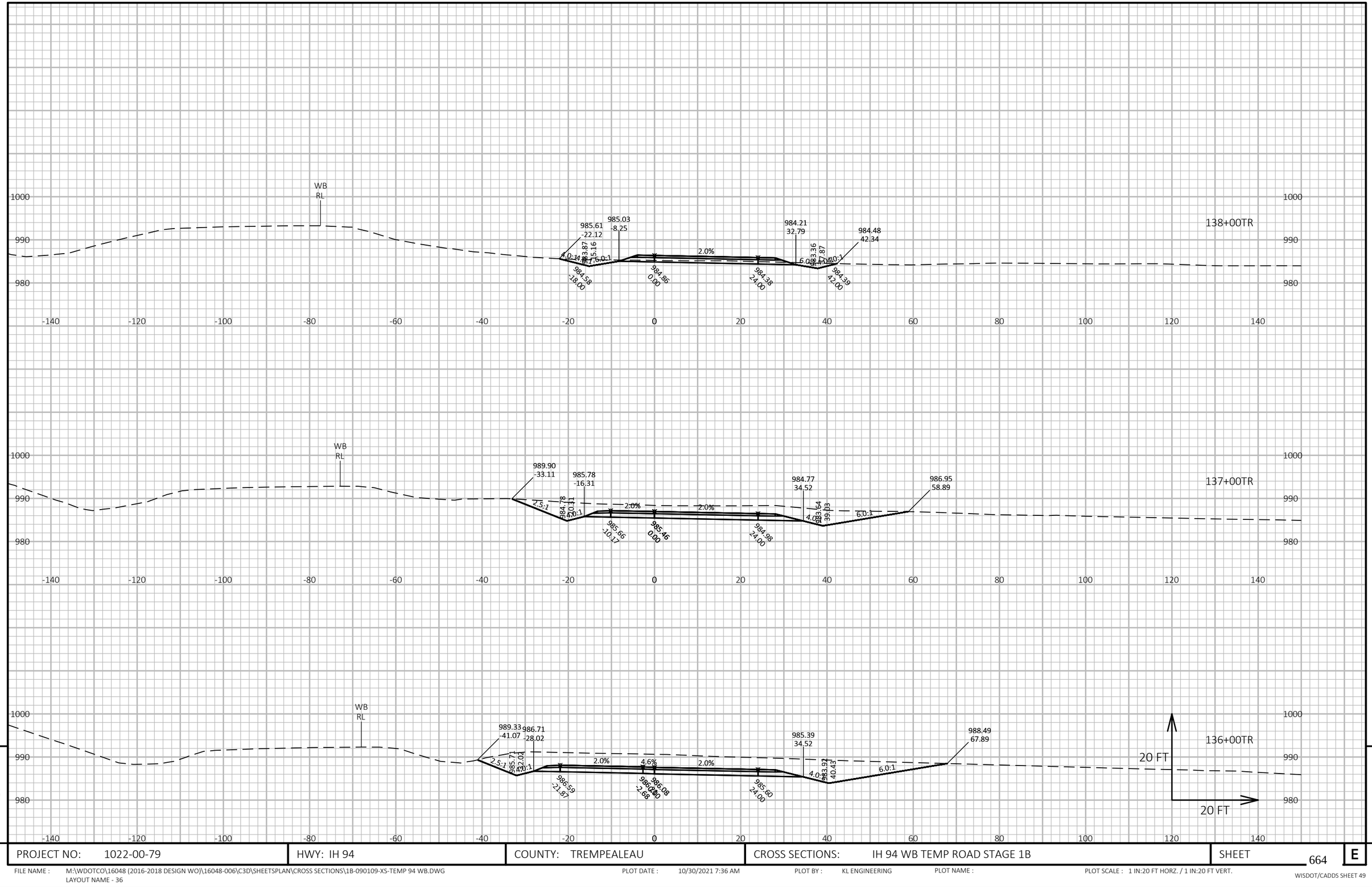
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 663	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 35

PLOT DATE : 10/30/2021 7:35 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 664	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 36

PLOT DATE : 10/30/2021 7:36 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 665	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 37

PLOT DATE : 10/30/2021 7:36 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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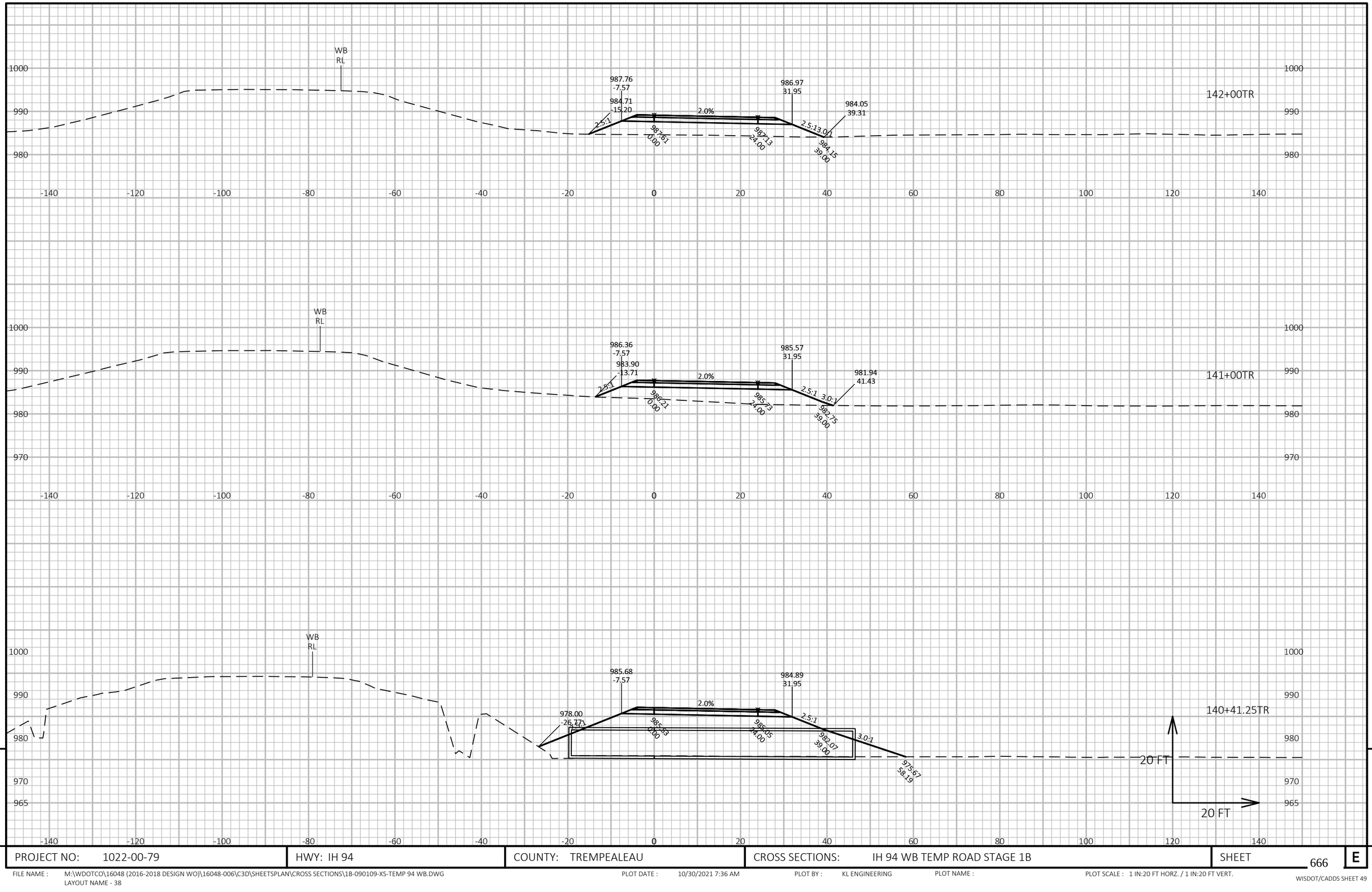

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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 666	E

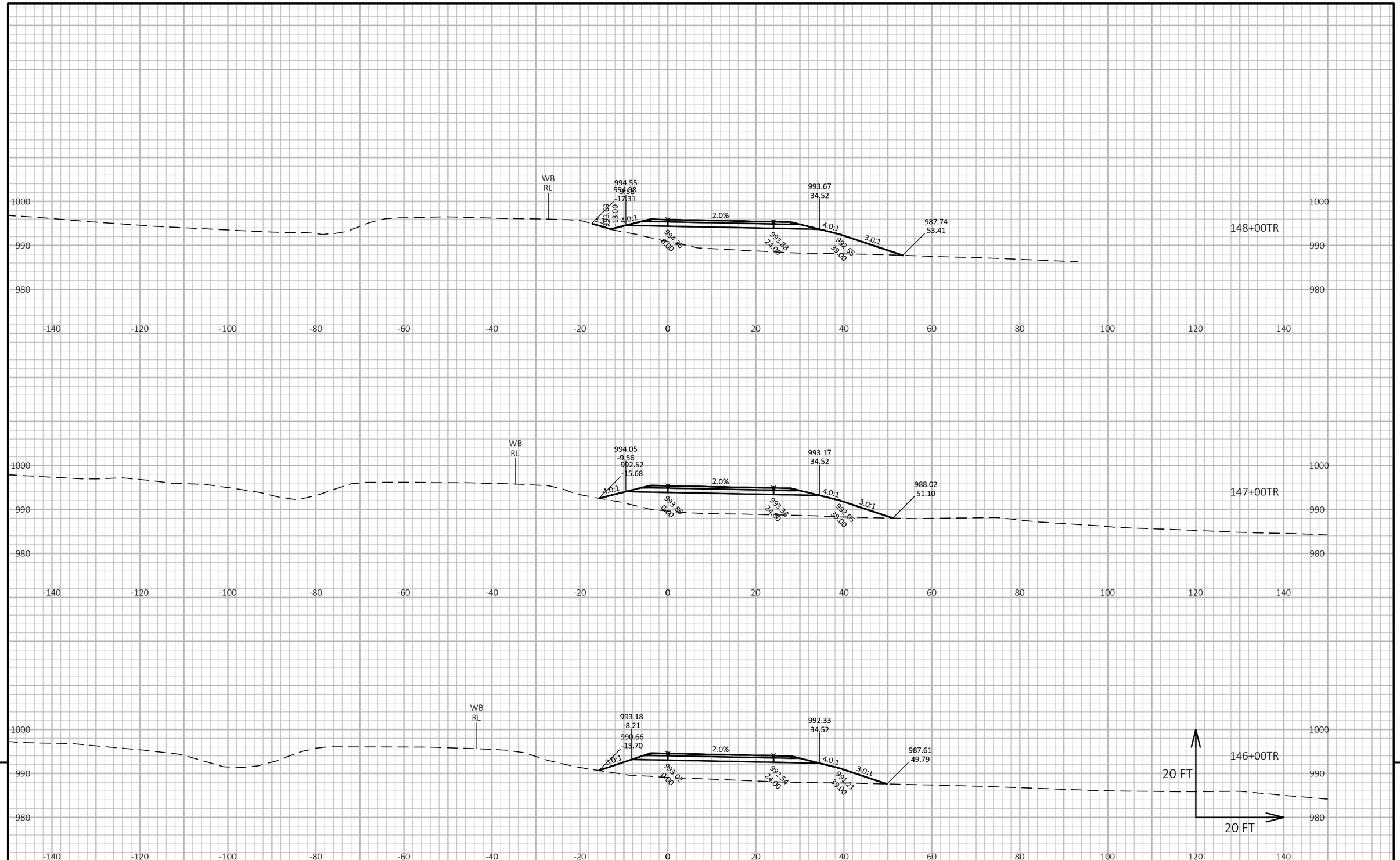
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 38
PLOT DATE : 10/30/2021 7:36 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 667	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 39

PLOT DATE : 10/30/2021 7:36 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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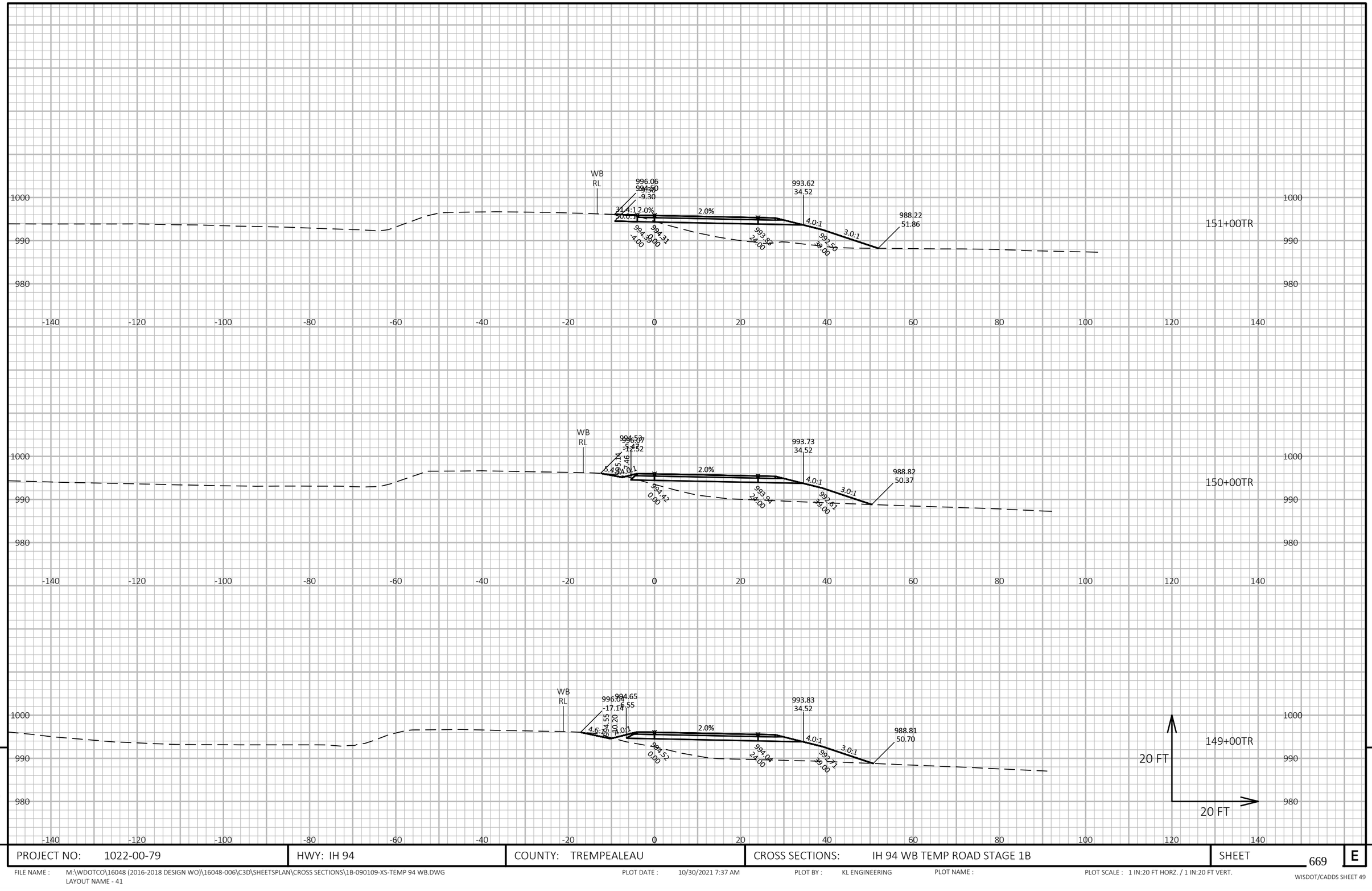
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 668	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 40
PLOT DATE : 10/30/2021 7:37 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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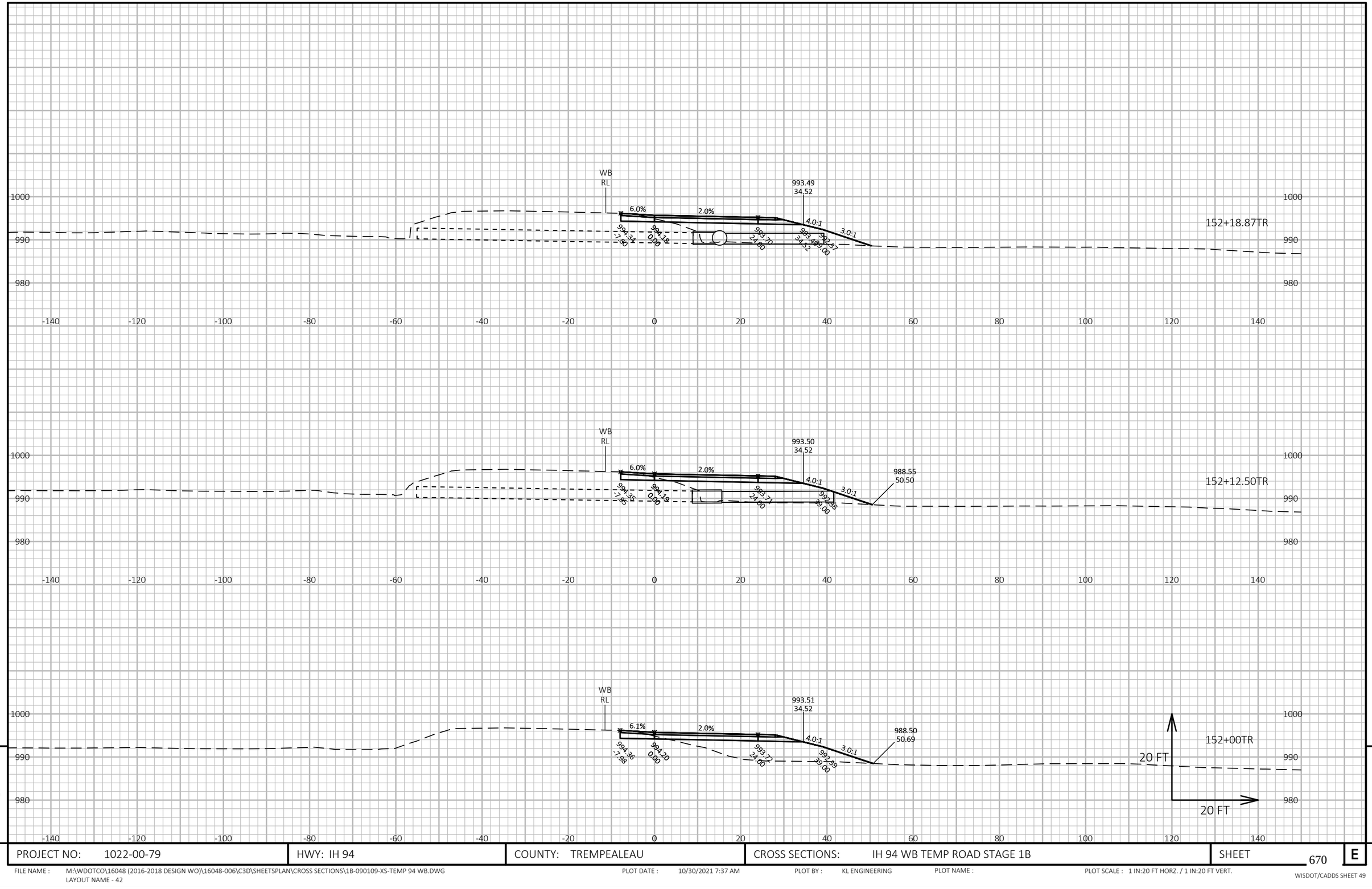
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 669	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 41

PLOT DATE : 10/30/2021 7:37 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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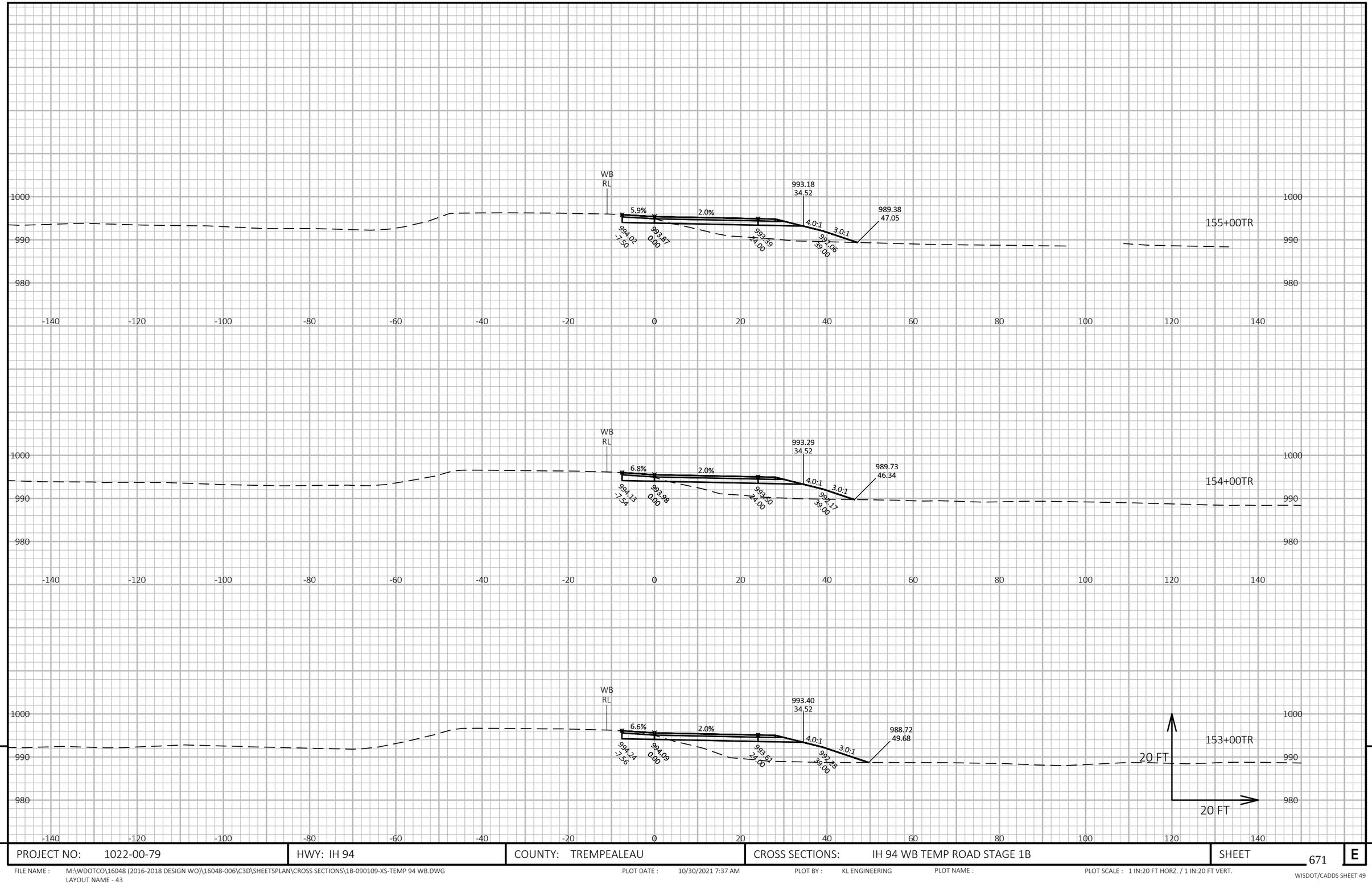
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 670	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 42

PLOT DATE : 10/30/2021 7:37 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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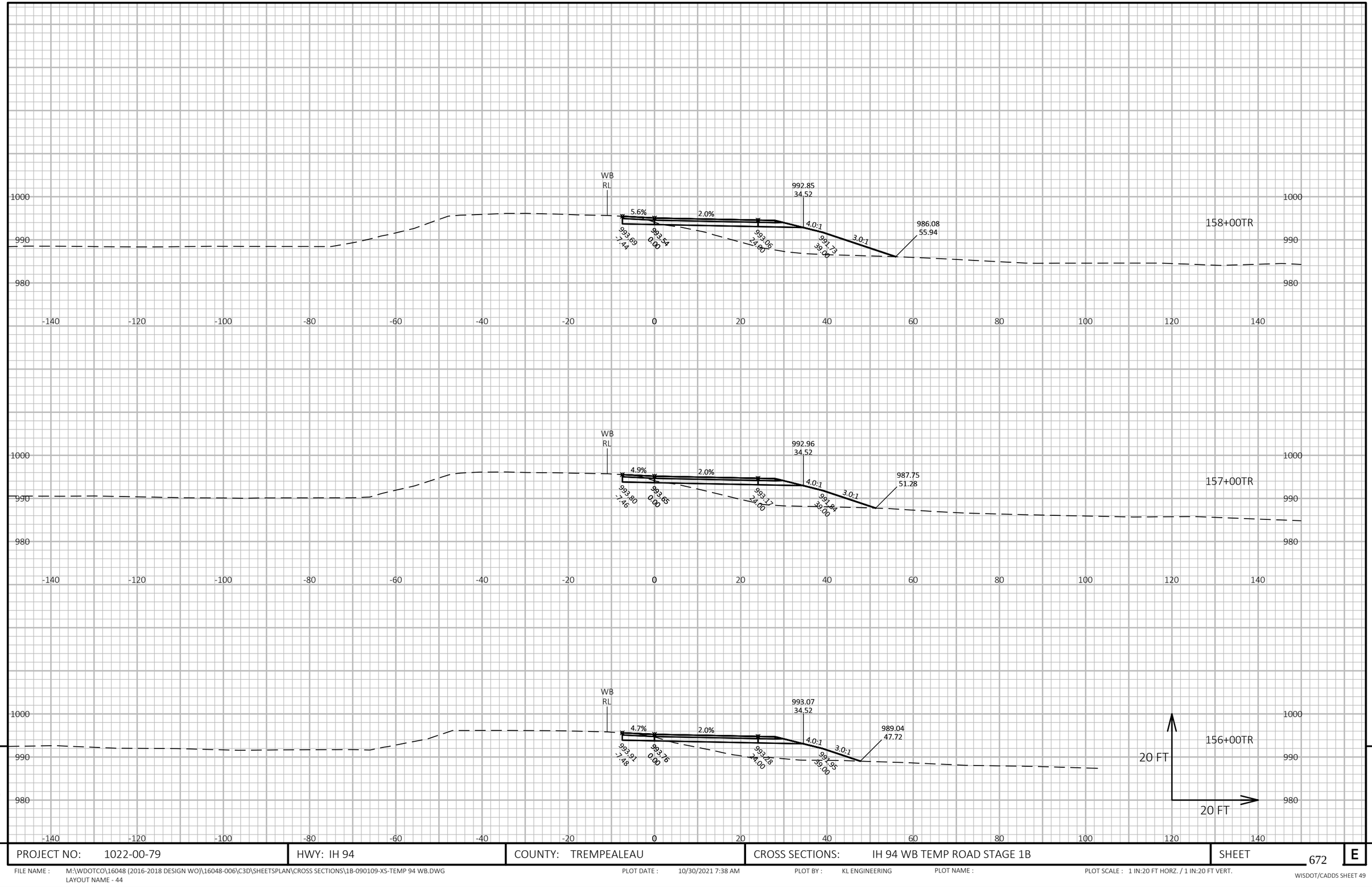
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 671	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 43

PLOT DATE : 10/30/2021 7:37 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

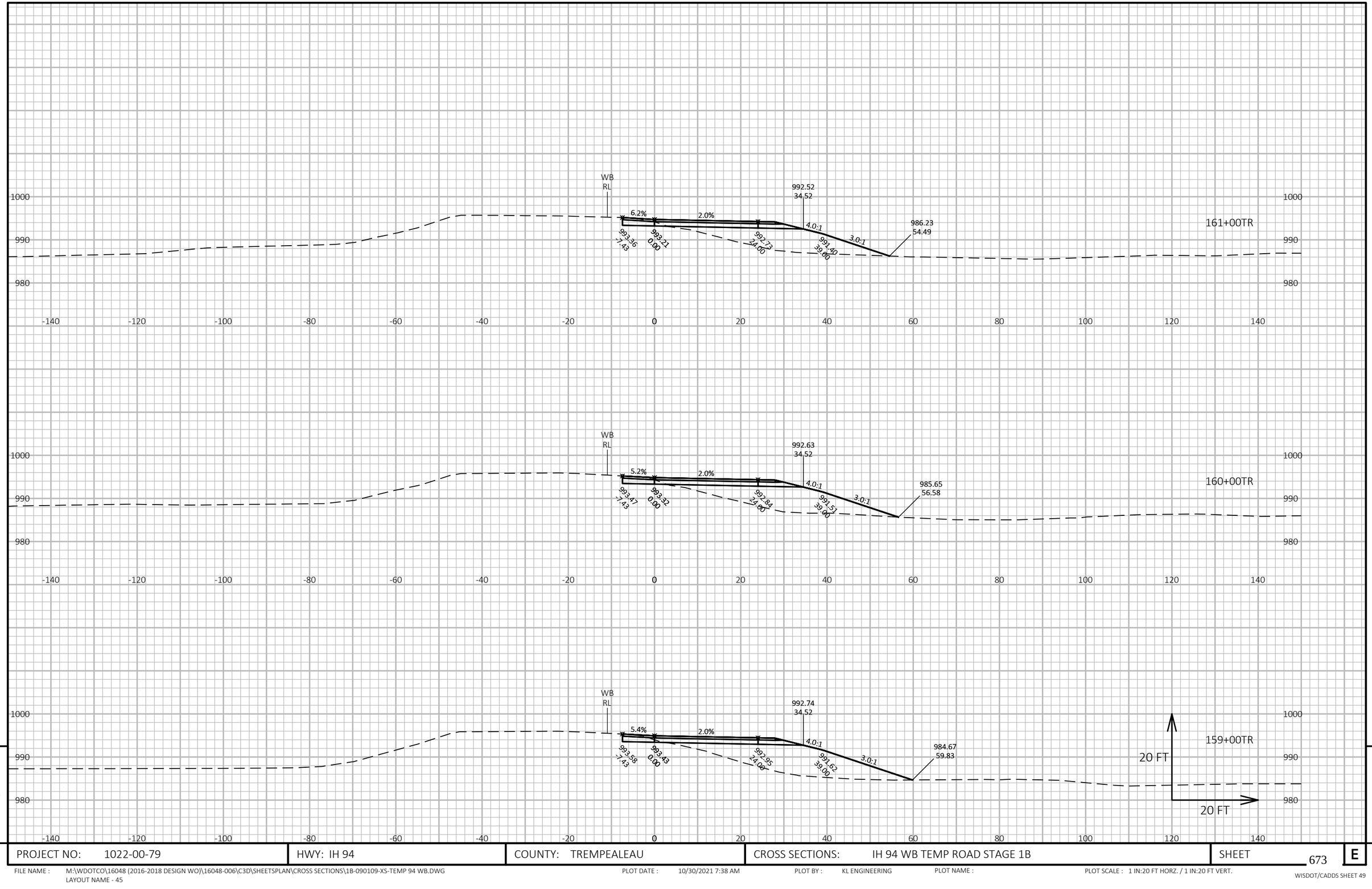


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 672	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 44

PLOT DATE : 10/30/2021 7:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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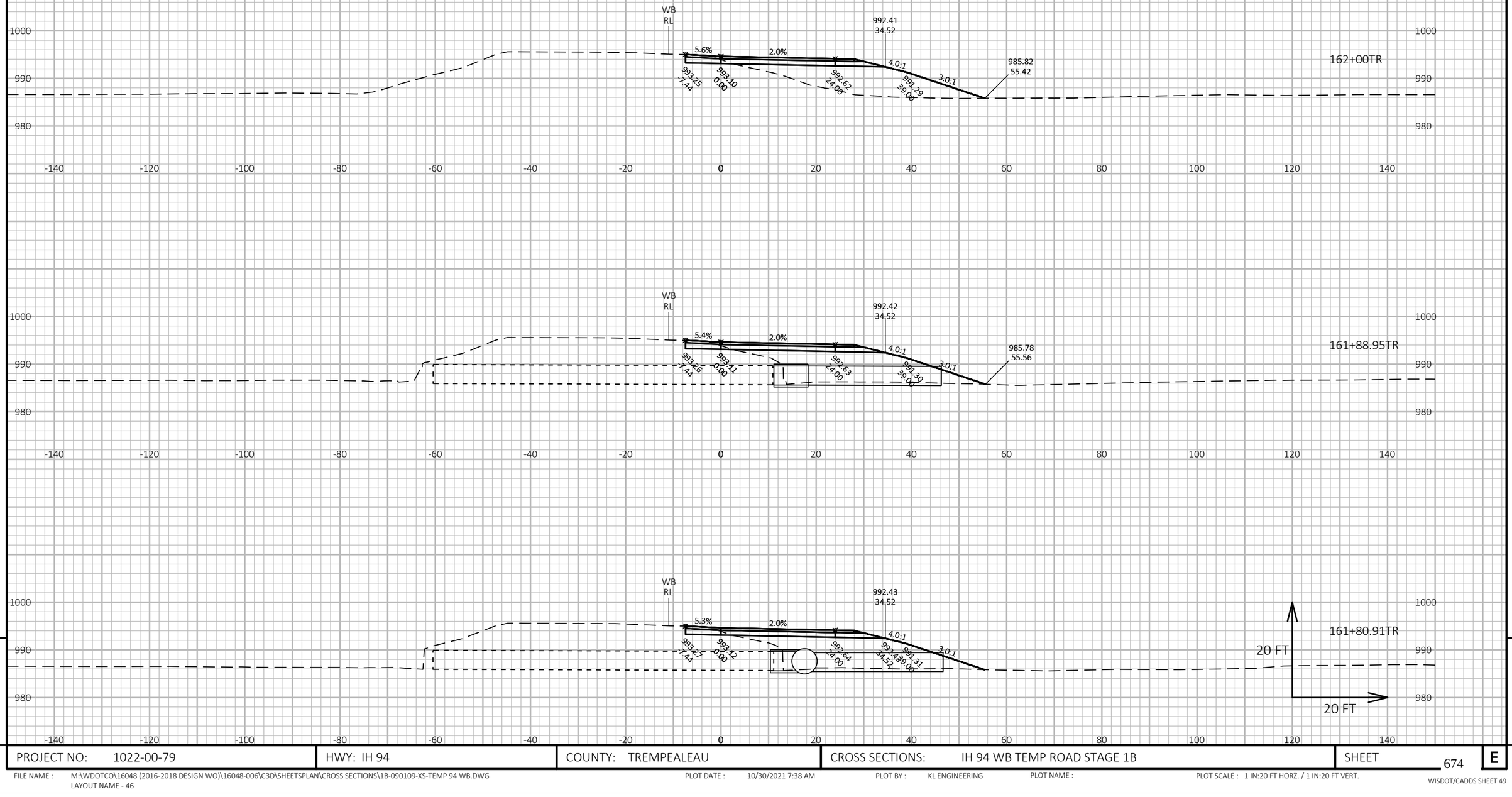
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 673	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 45

PLOT DATE : 10/30/2021 7:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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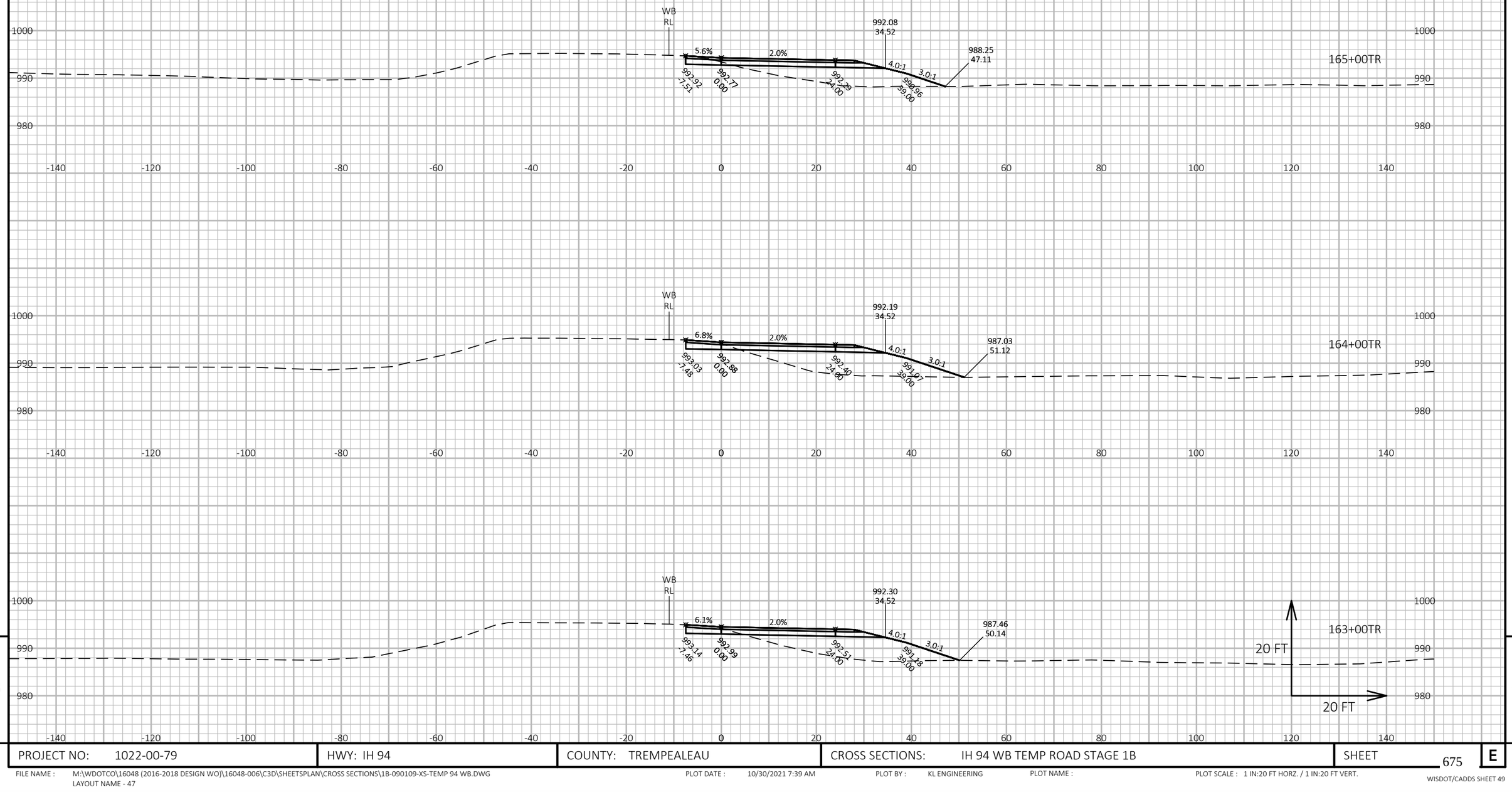
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 674	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 46

PLOT DATE : 10/30/2021 7:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 675	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 47

PLOT DATE : 10/30/2021 7:39 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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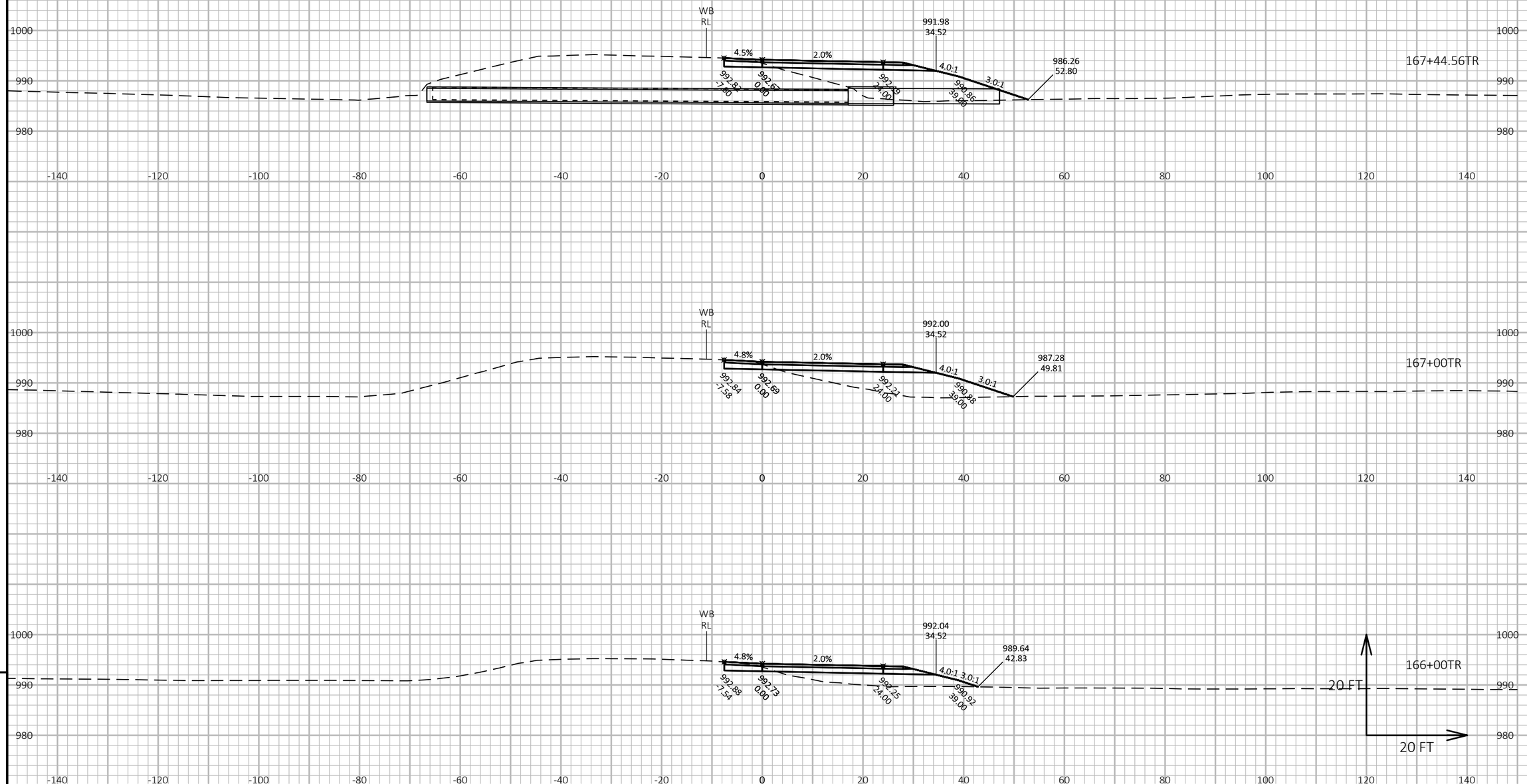

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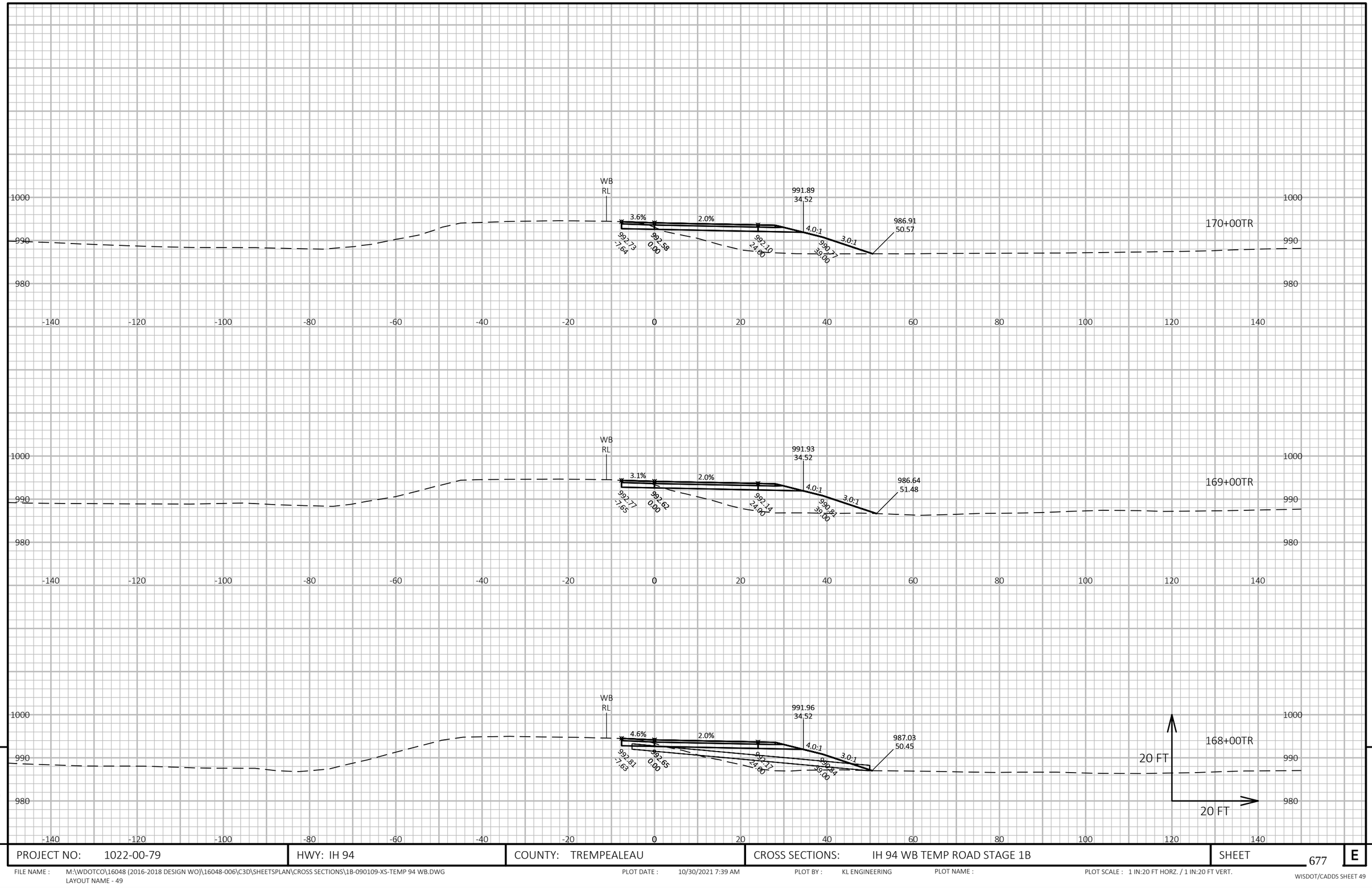
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 676	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 48

PLOT DATE : 10/30/2021 7:39 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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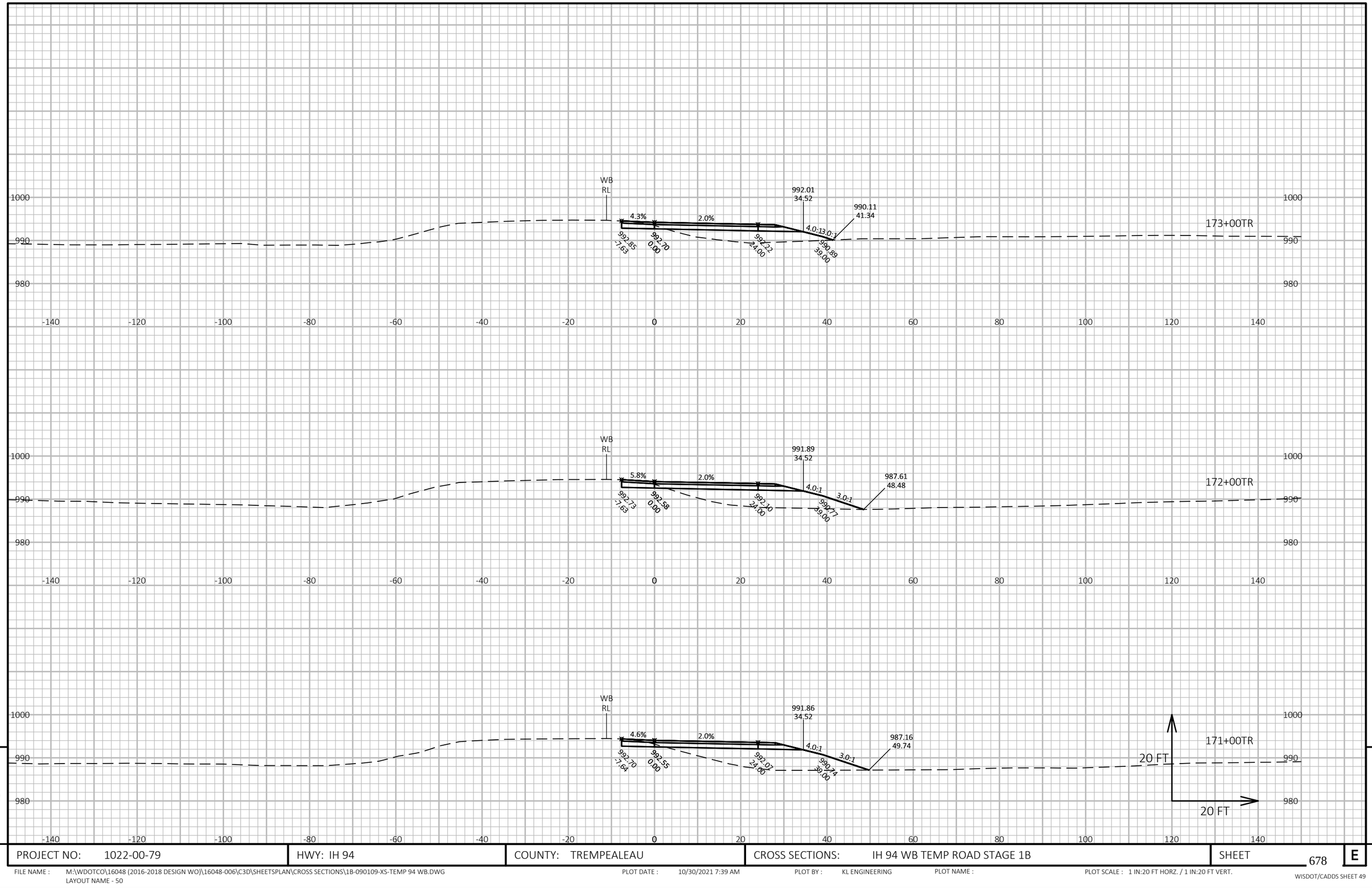
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 677	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 49

PLOT DATE : 10/30/2021 7:39 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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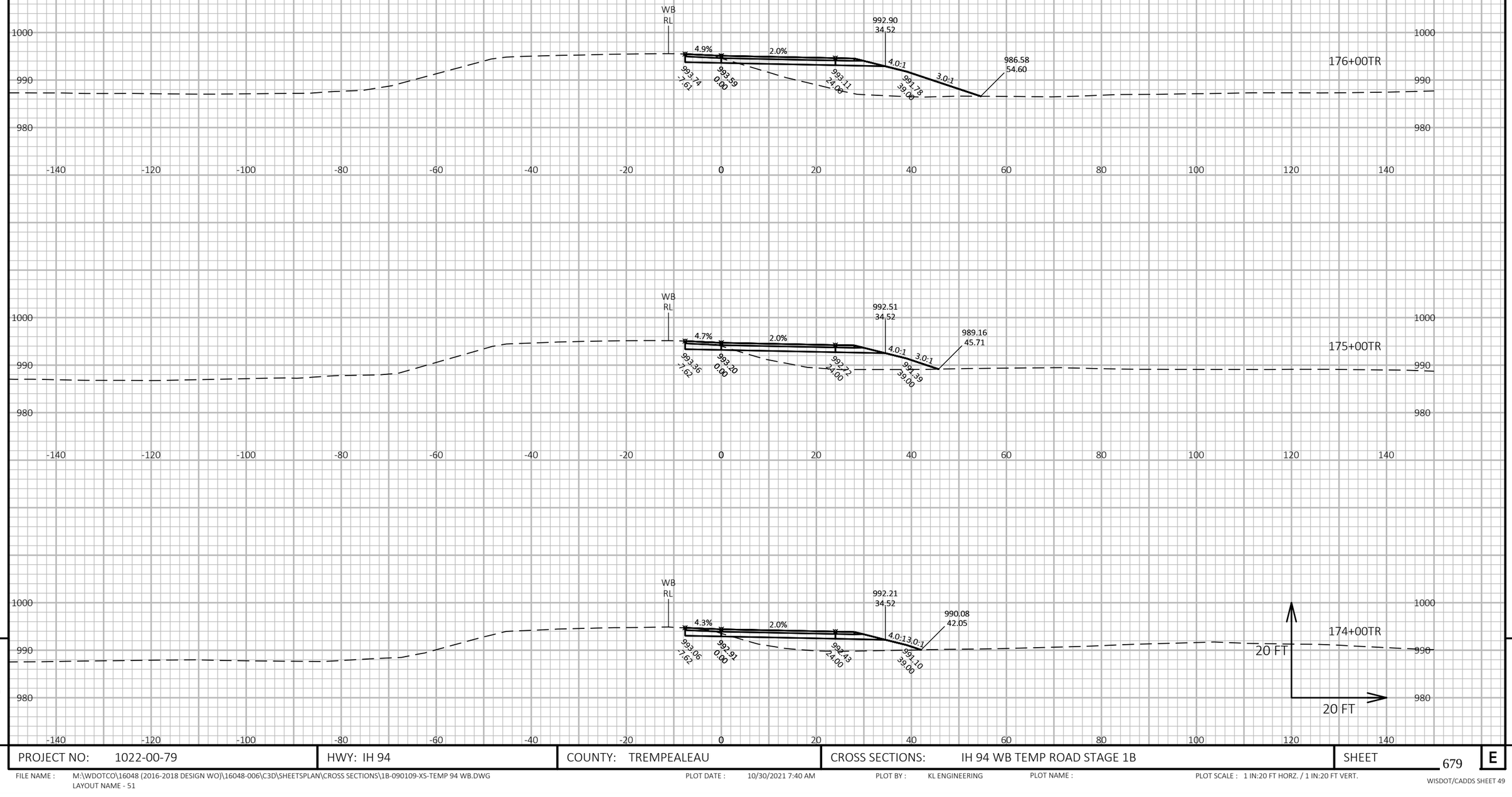
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 678	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 50

PLOT DATE : 10/30/2021 7:39 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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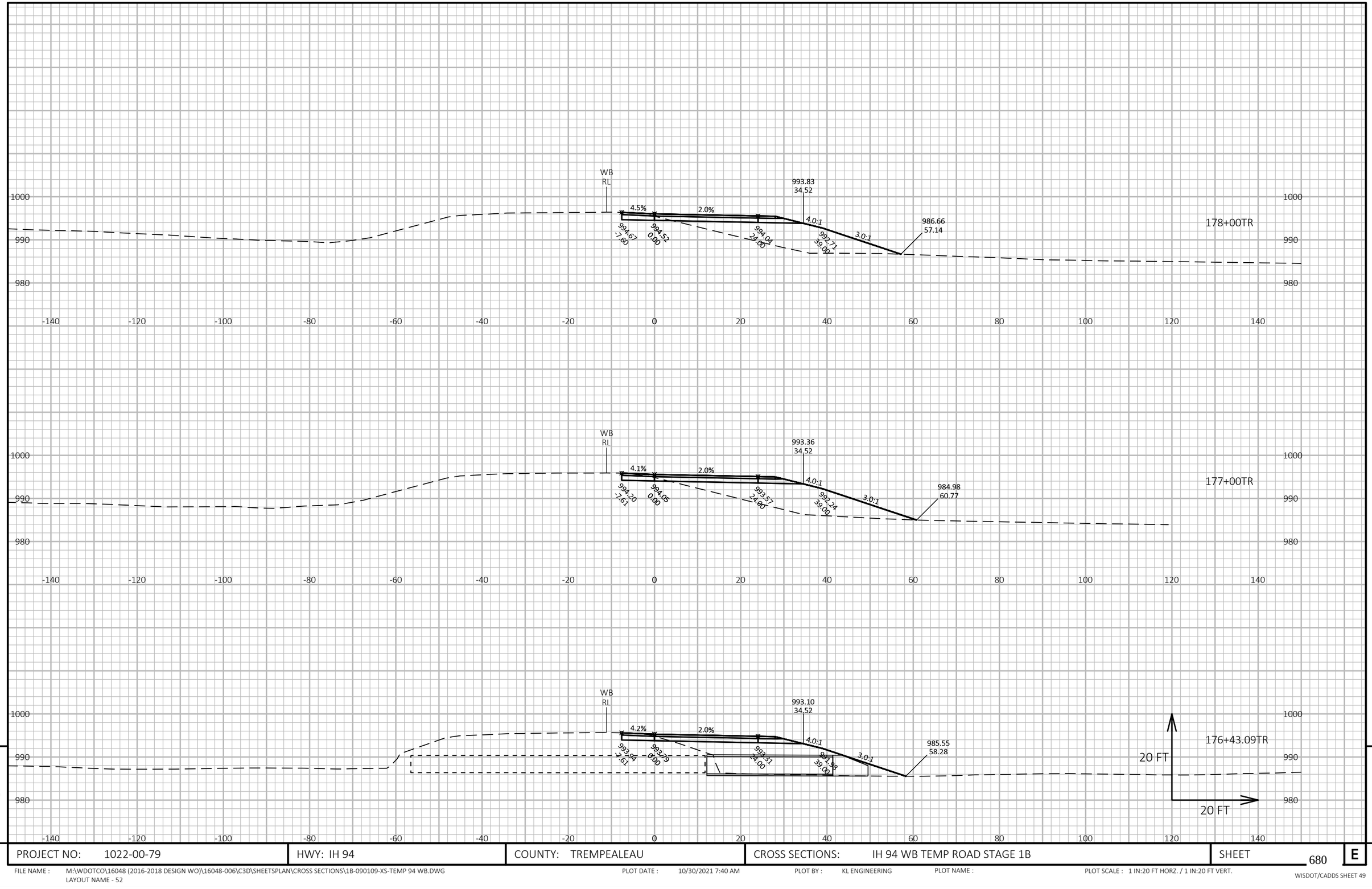
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 679	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 51

PLOT DATE : 10/30/2021 7:40 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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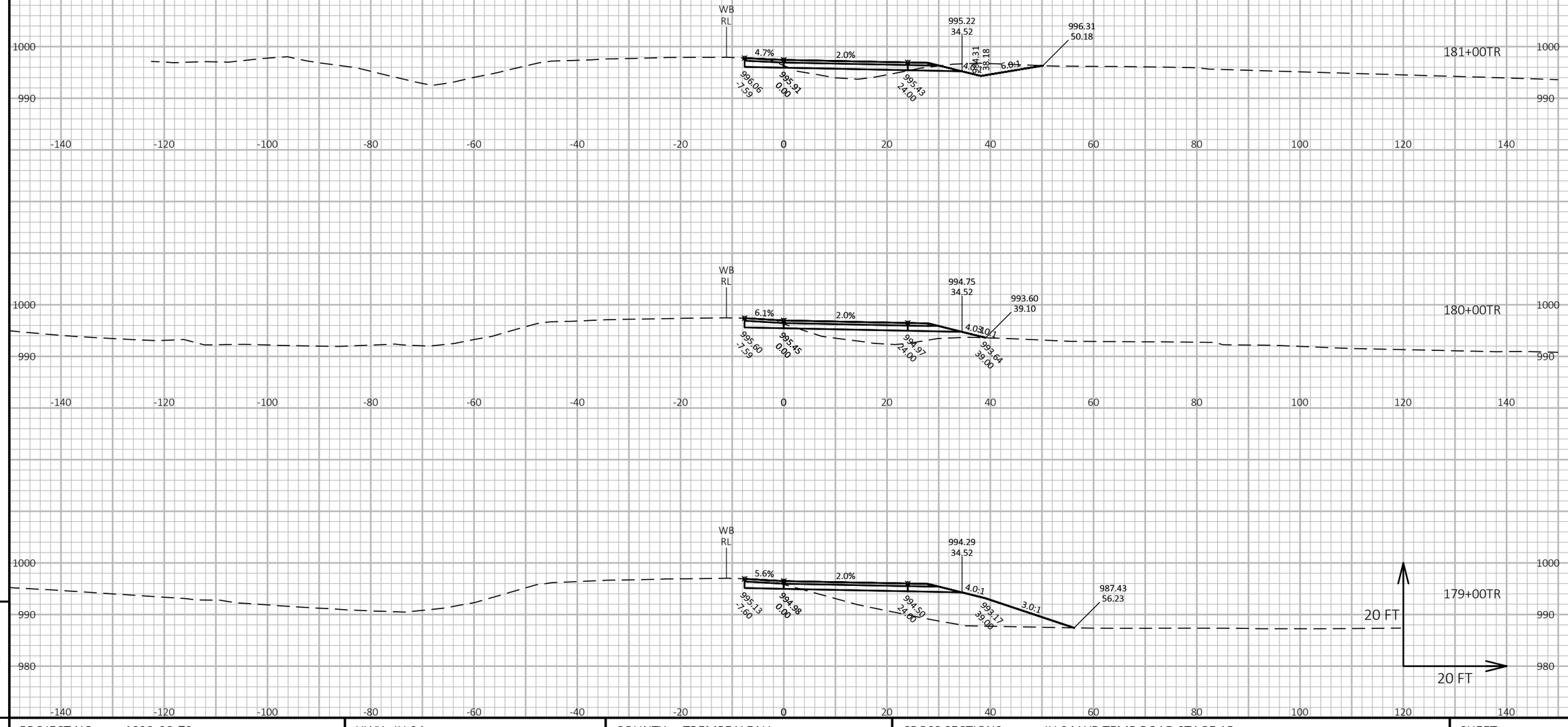
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 680	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 52

PLOT DATE : 10/30/2021 7:40 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

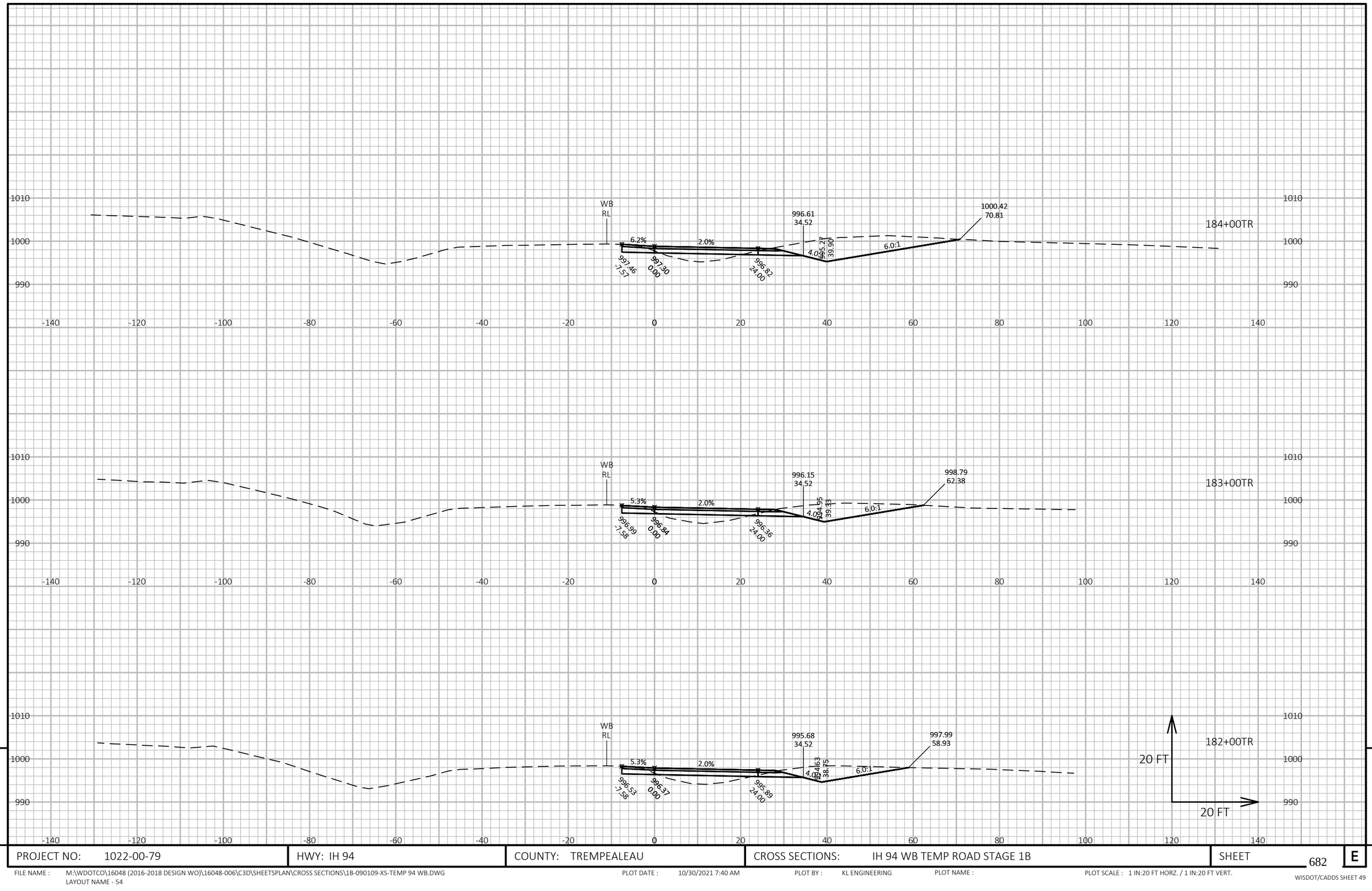


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 681	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 53

PLOT DATE : 10/30/2021 7:40 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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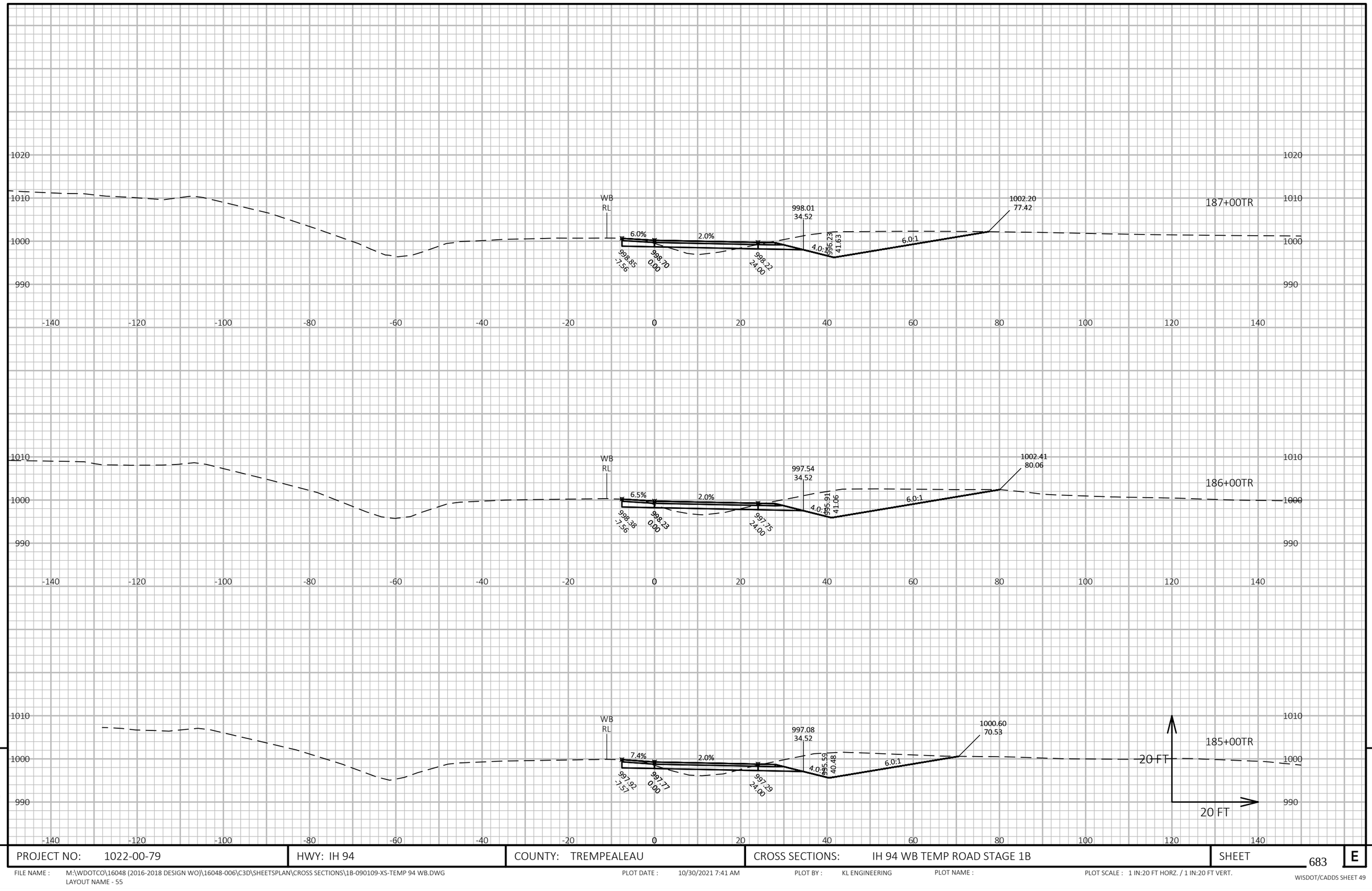
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 682	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 54

PLOT DATE : 10/30/2021 7:40 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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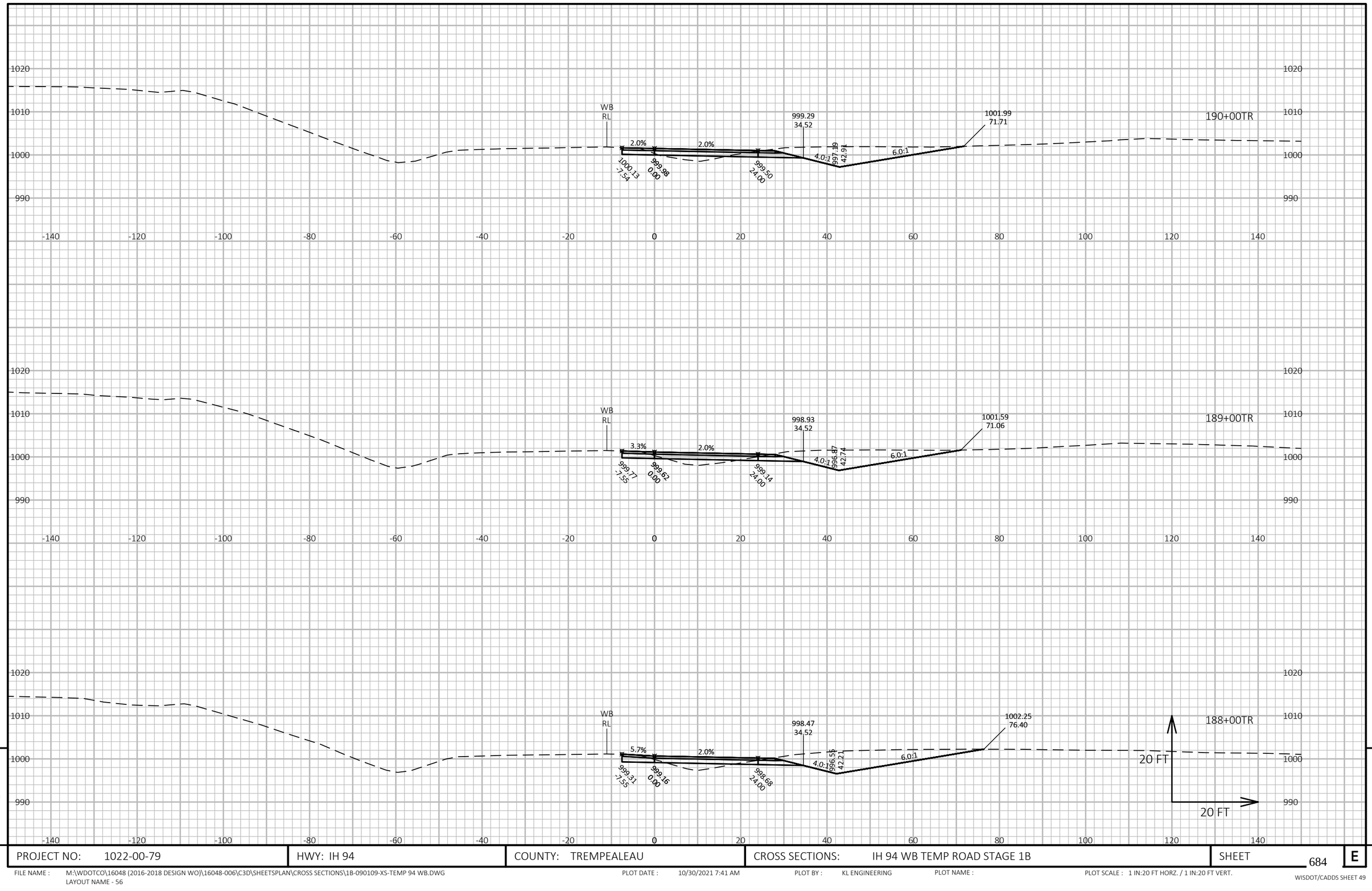
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 683	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 55

PLOT DATE : 10/30/2021 7:41 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 684	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 56

PLOT DATE : 10/30/2021 7:41 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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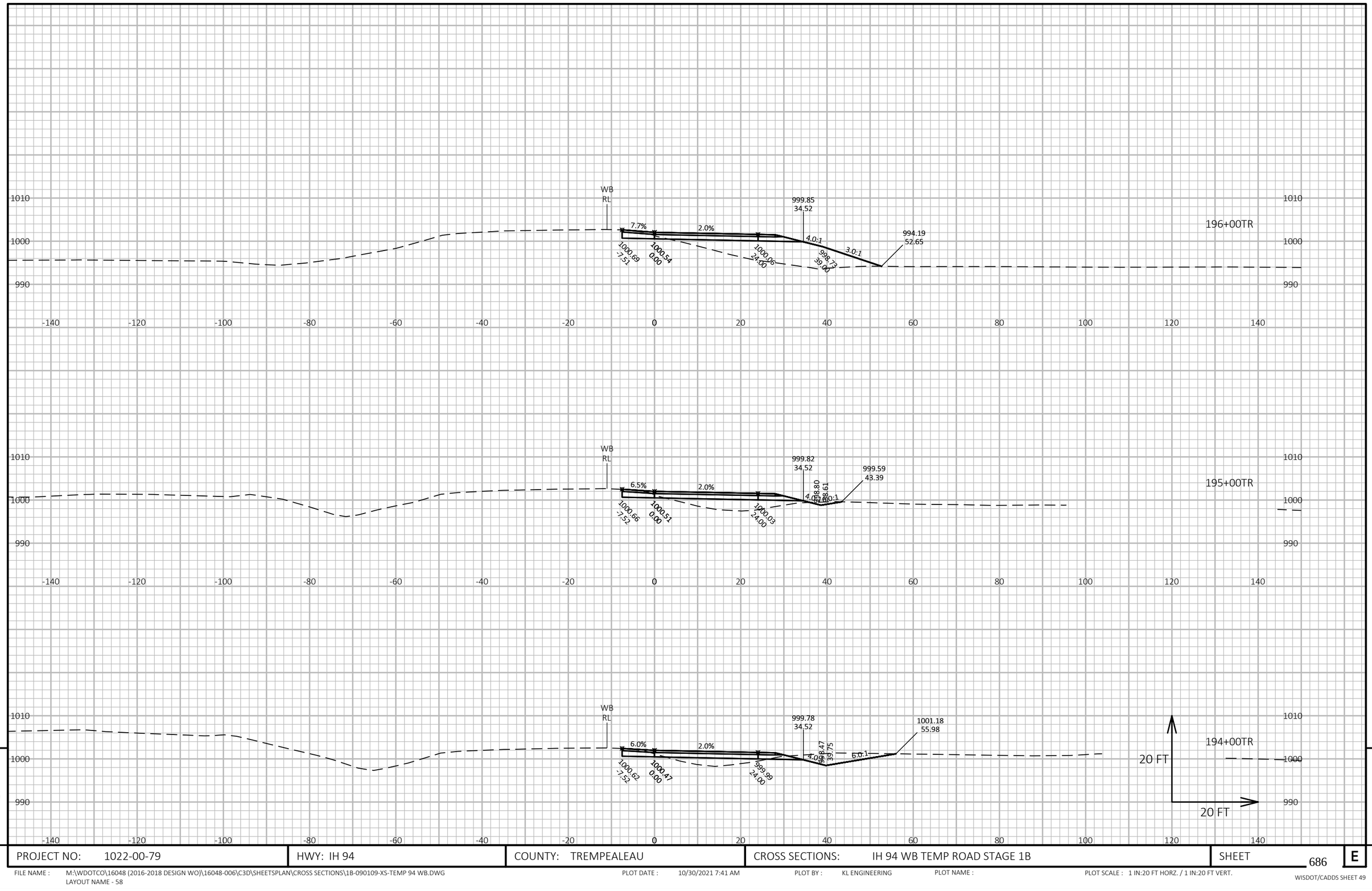
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 685	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 57

PLOT DATE : 10/30/2021 7:41 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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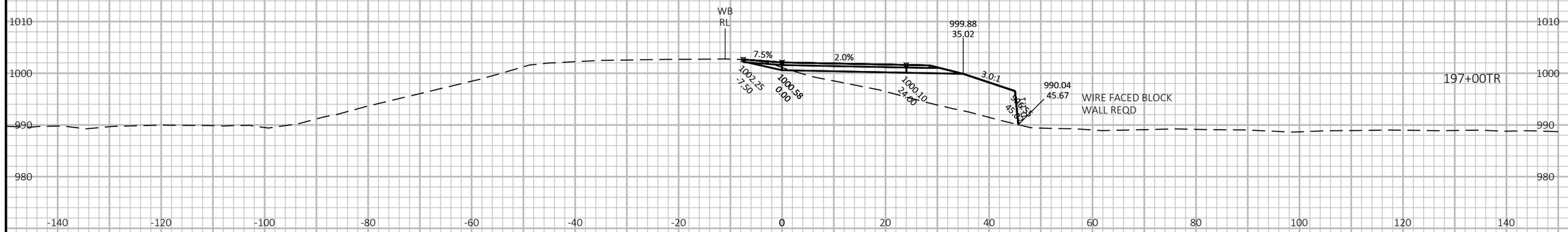
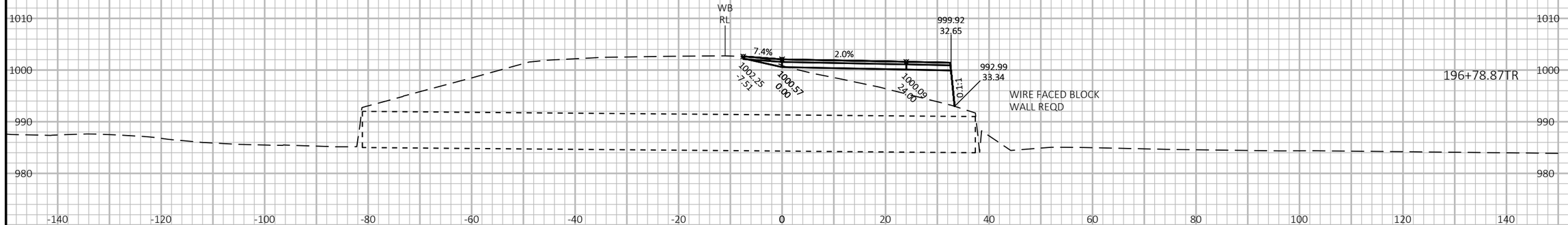
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 686	E

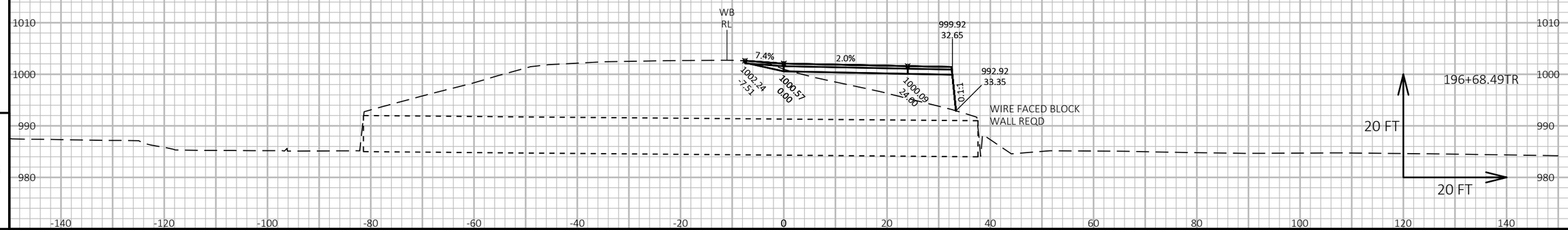
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 58

PLOT DATE : 10/30/2021 7:41 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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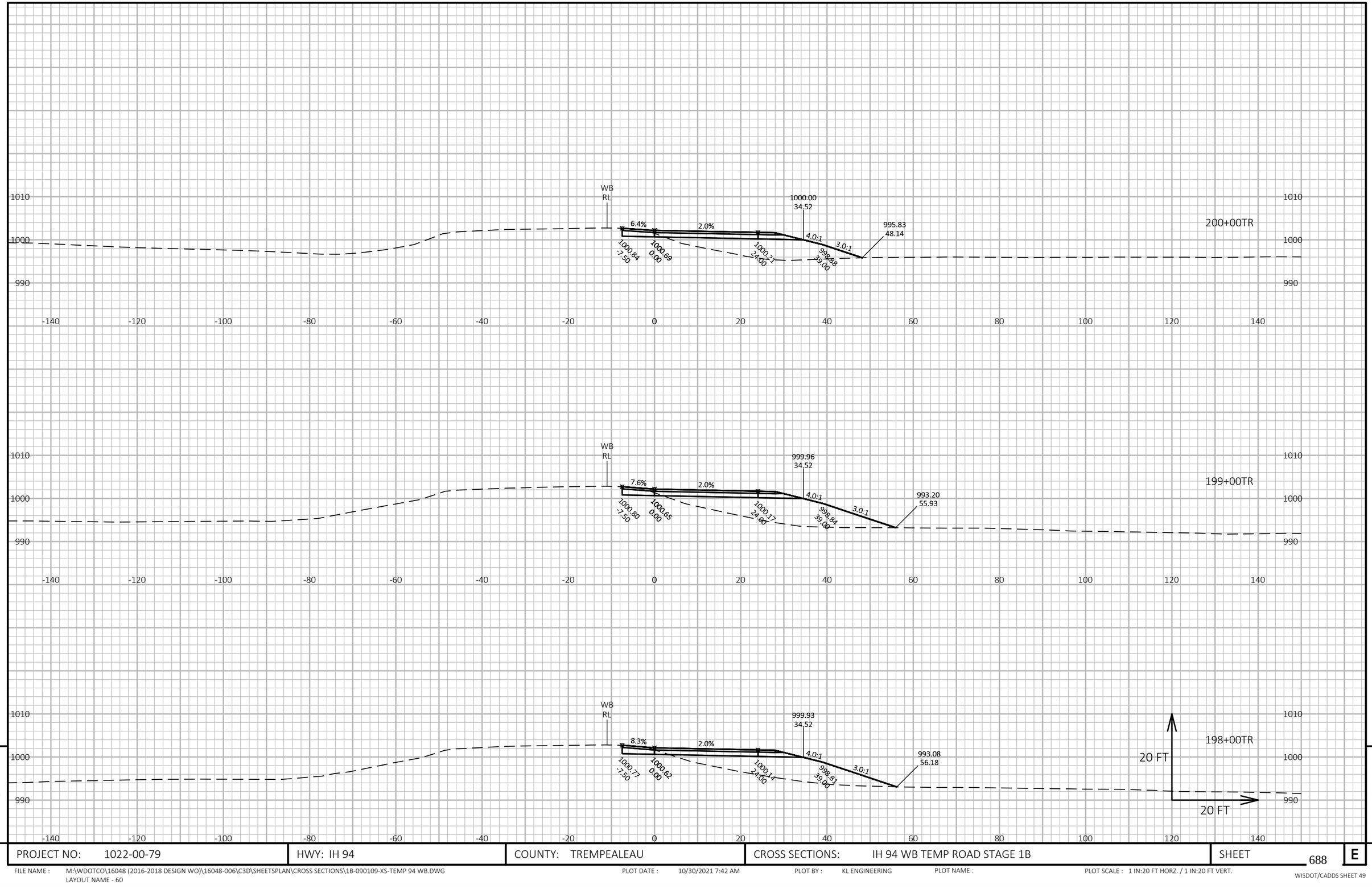
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 687	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 59

PLOT DATE : 10/30/2021 7:42 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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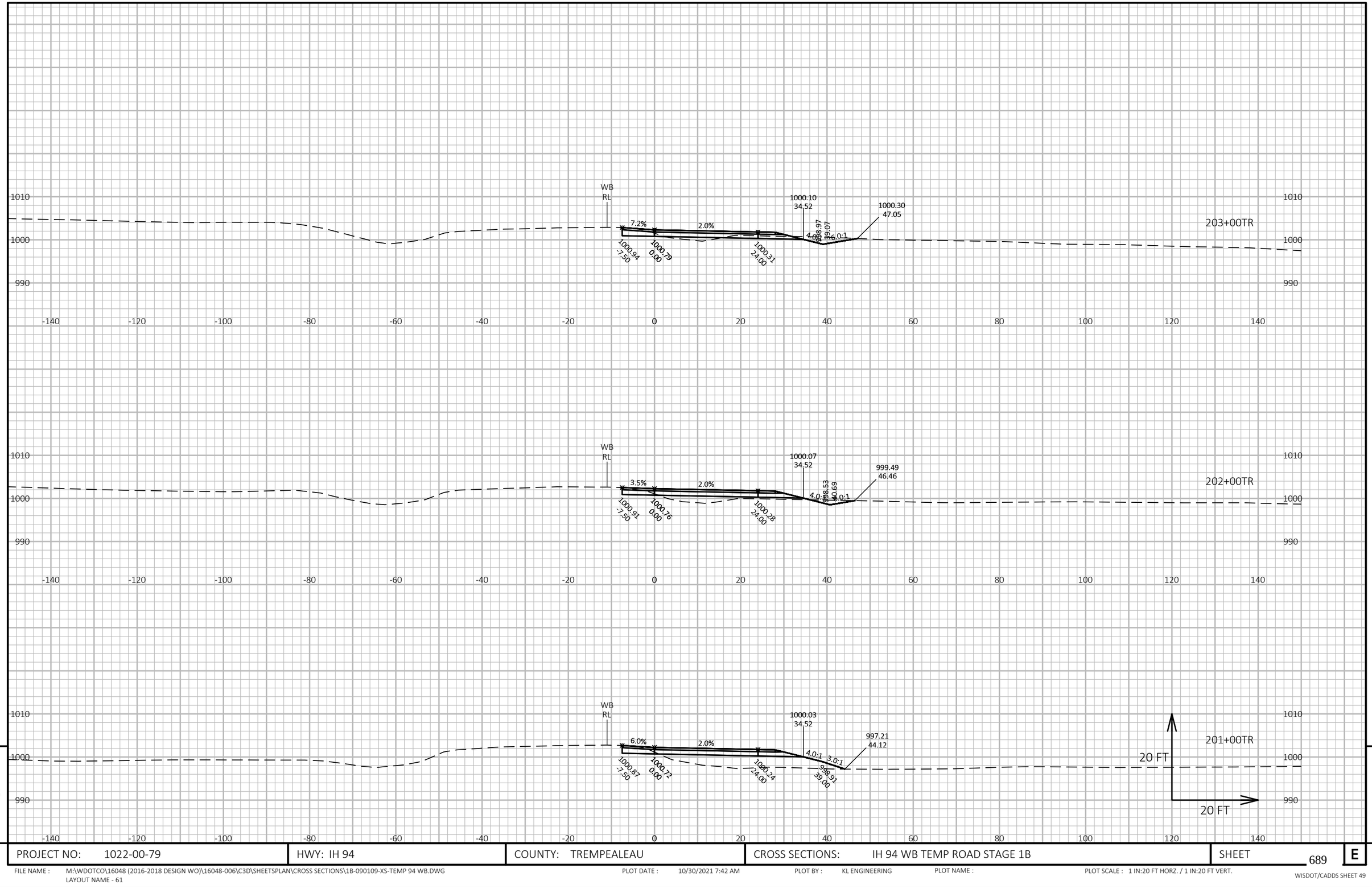
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 688	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 60

PLOT DATE : 10/30/2021 7:42 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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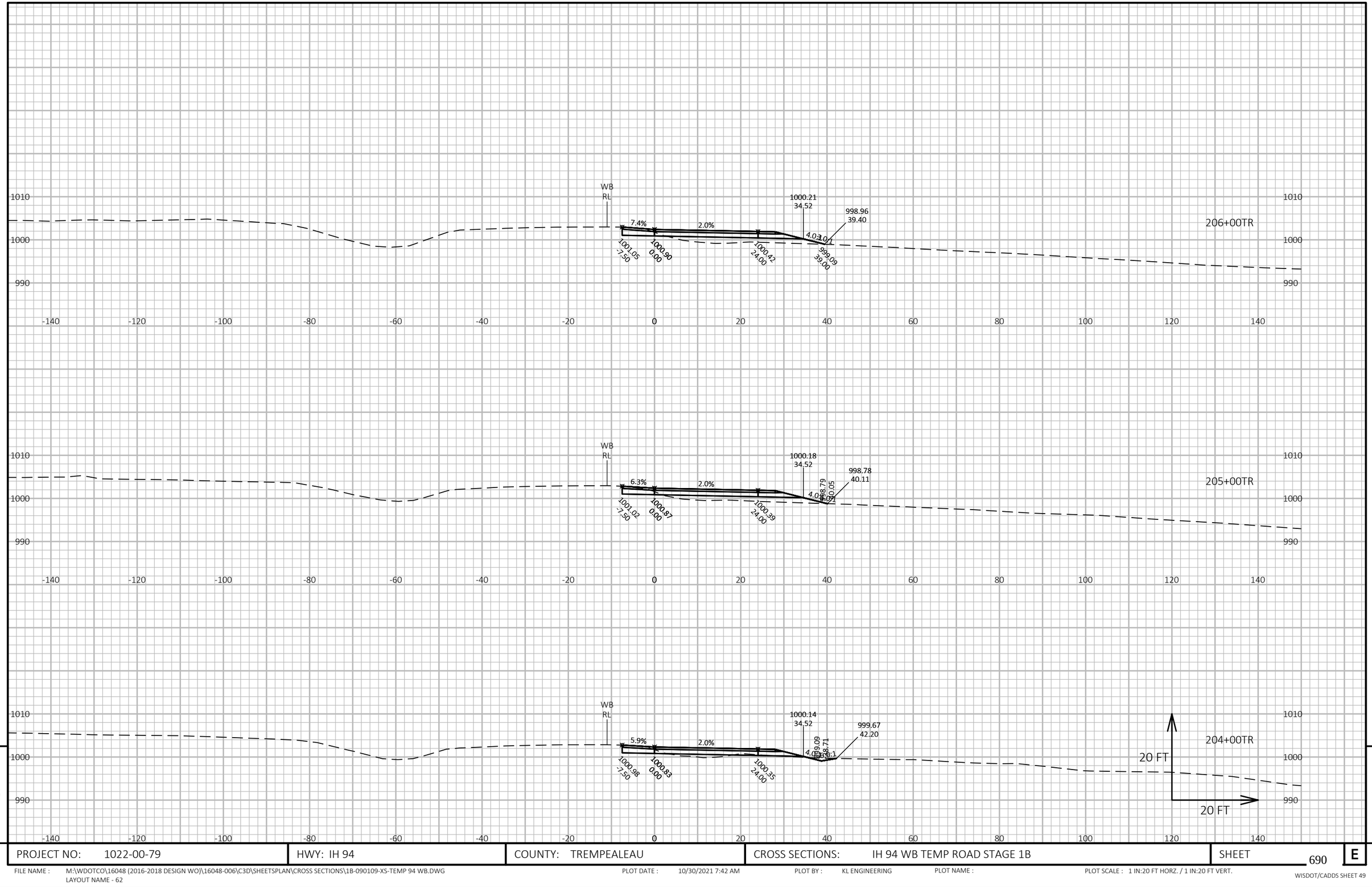
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 689	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 61

PLOT DATE : 10/30/2021 7:42 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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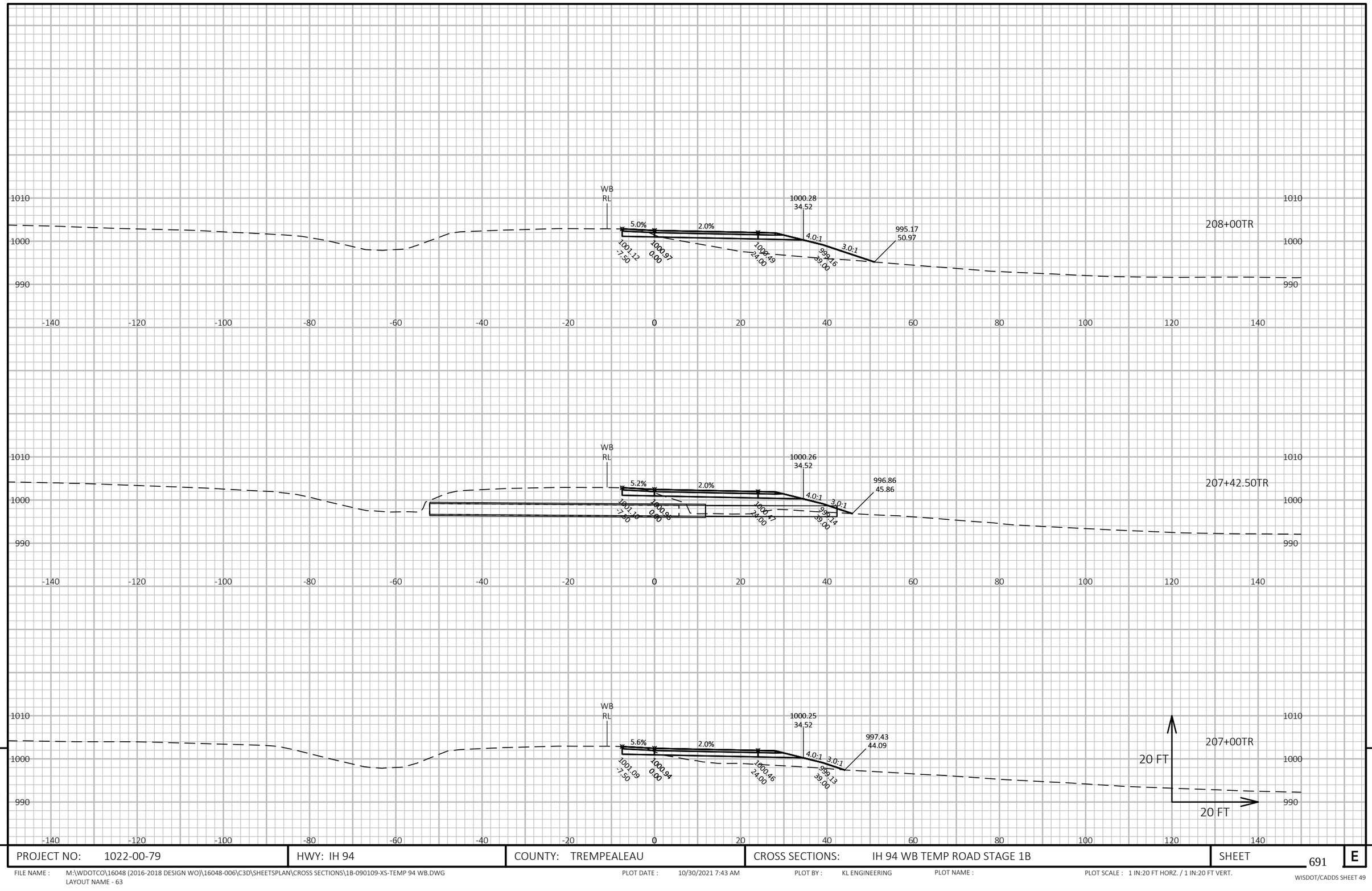
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 690	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 62

PLOT DATE : 10/30/2021 7:42 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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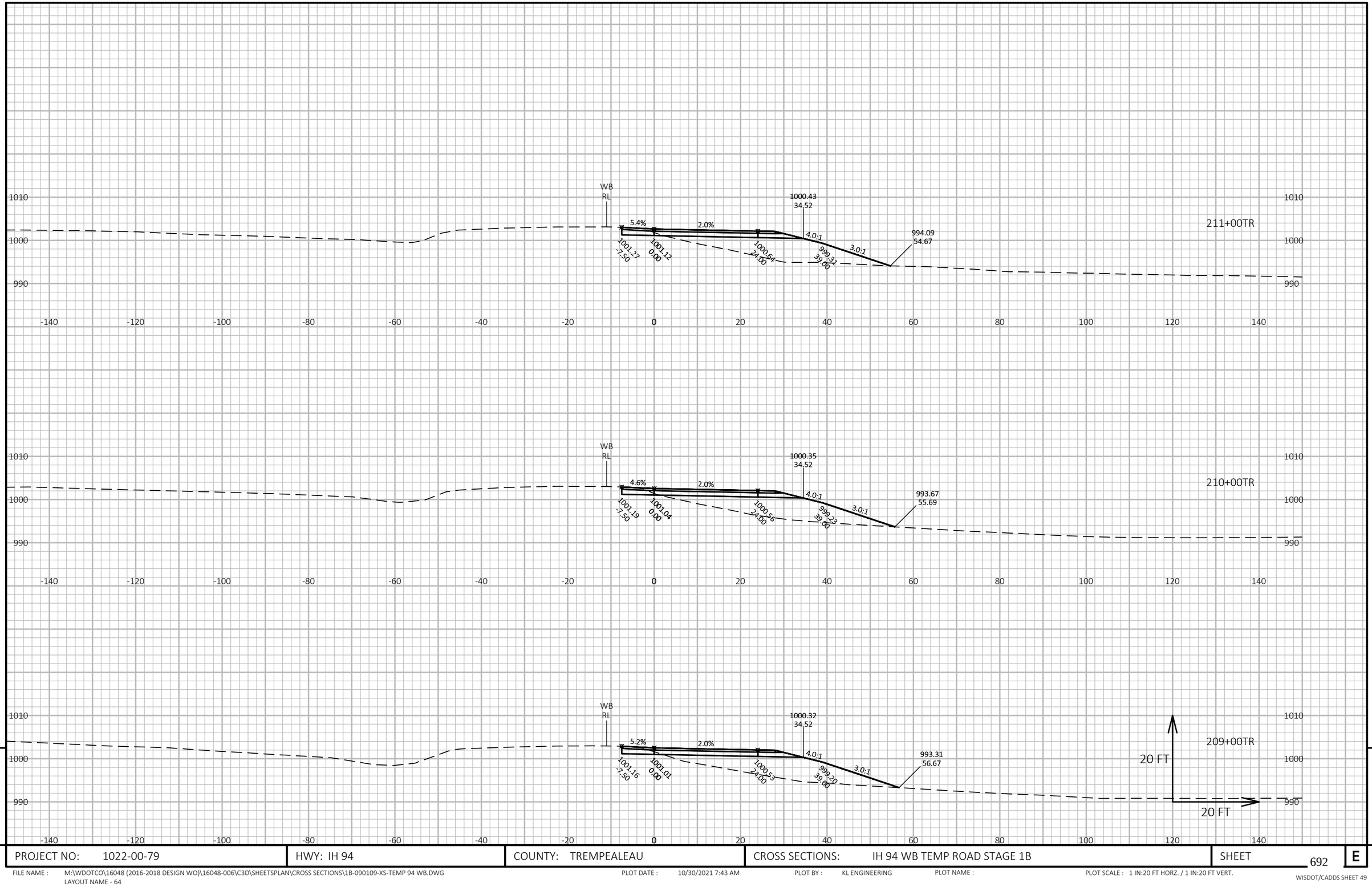
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 691	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 63

PLOT DATE : 10/30/2021 7:43 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

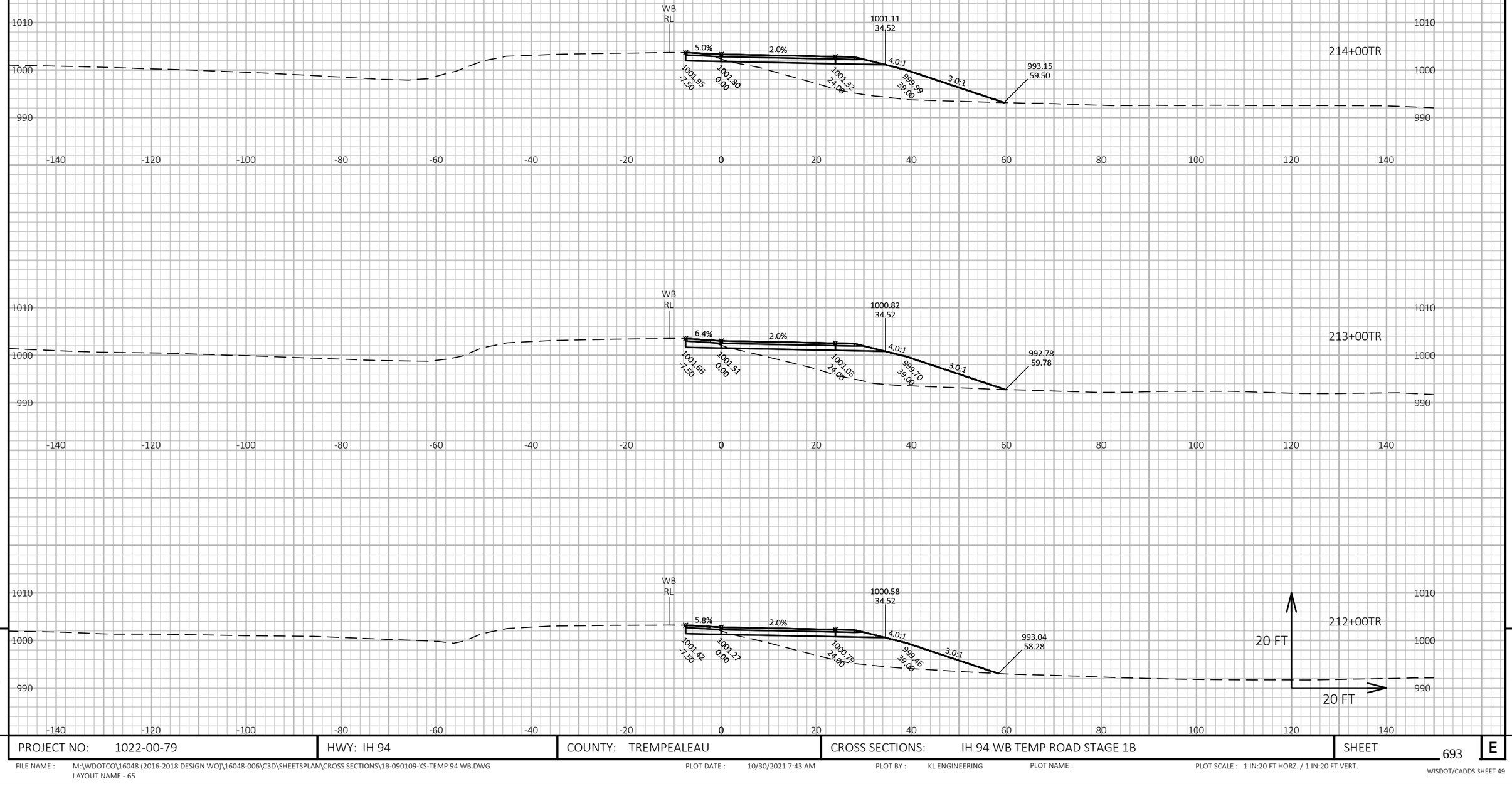


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 692	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 64

PLOT DATE : 10/30/2021 7:43 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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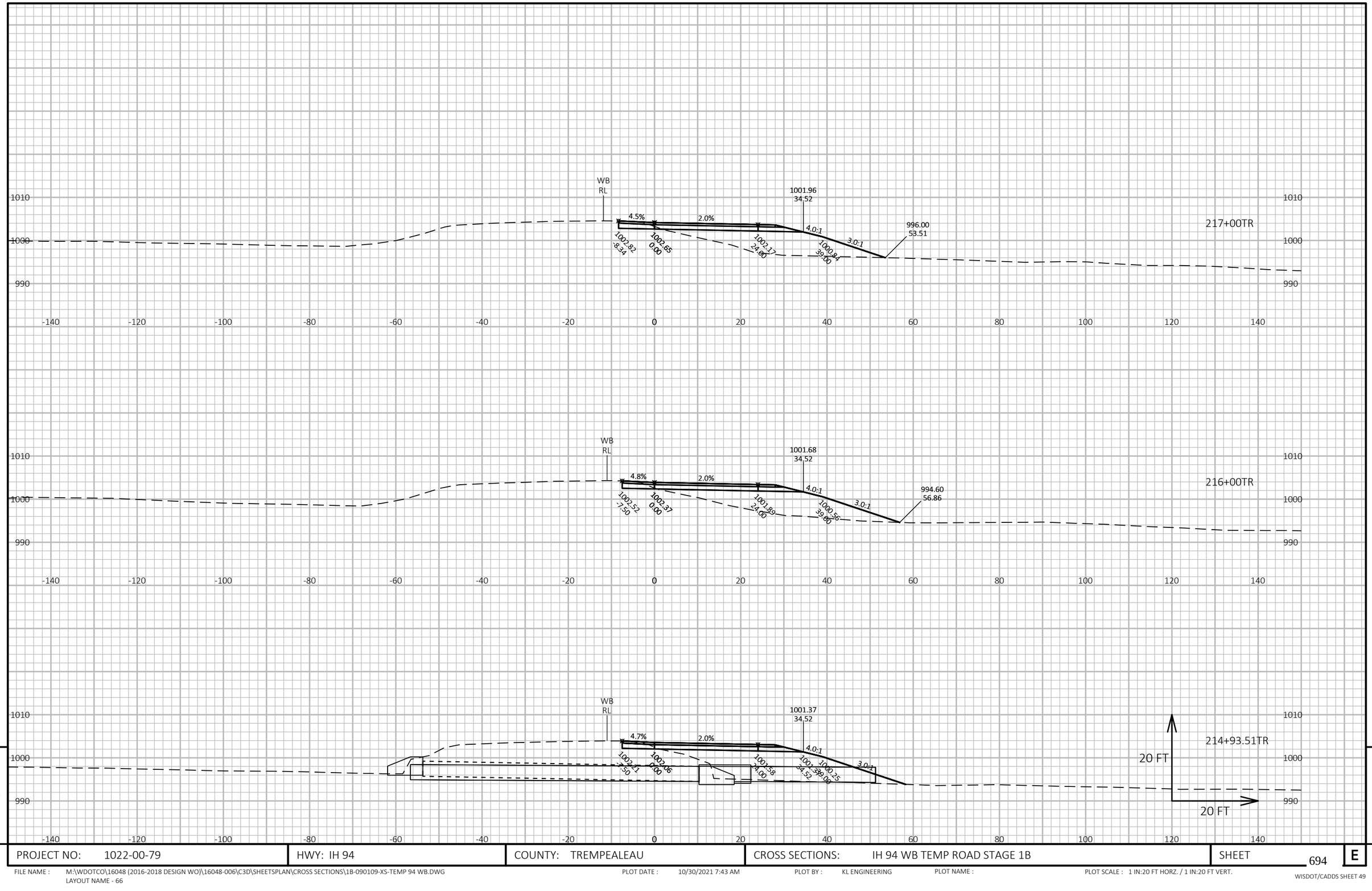
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 693	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 65

PLOT DATE : 10/30/2021 7:43 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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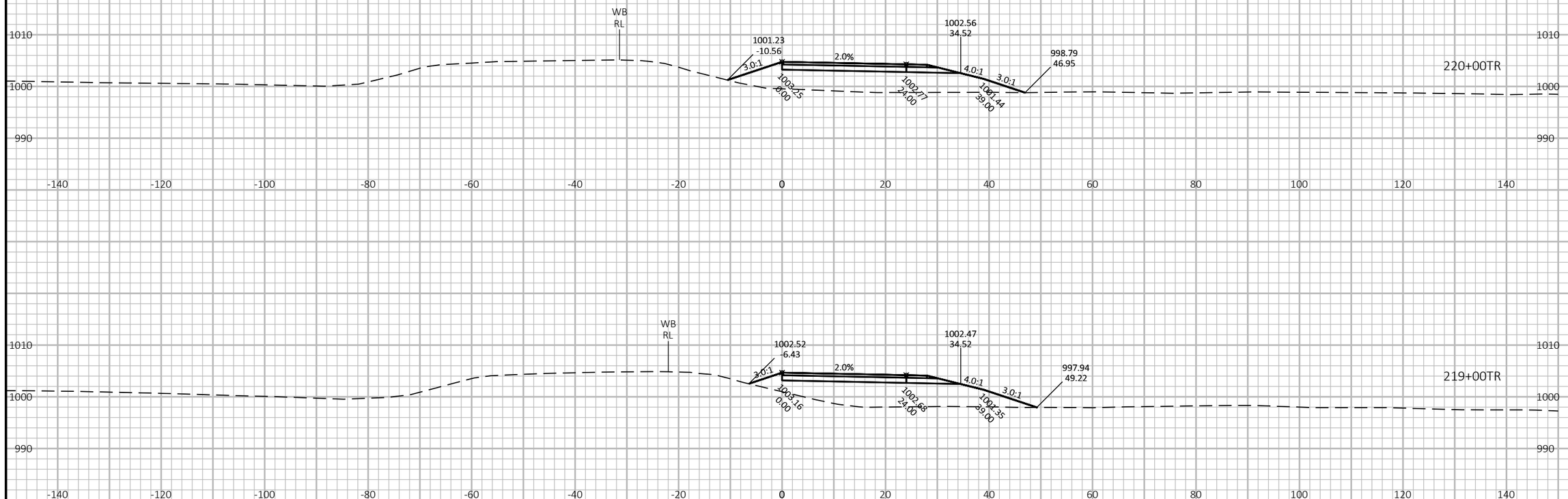
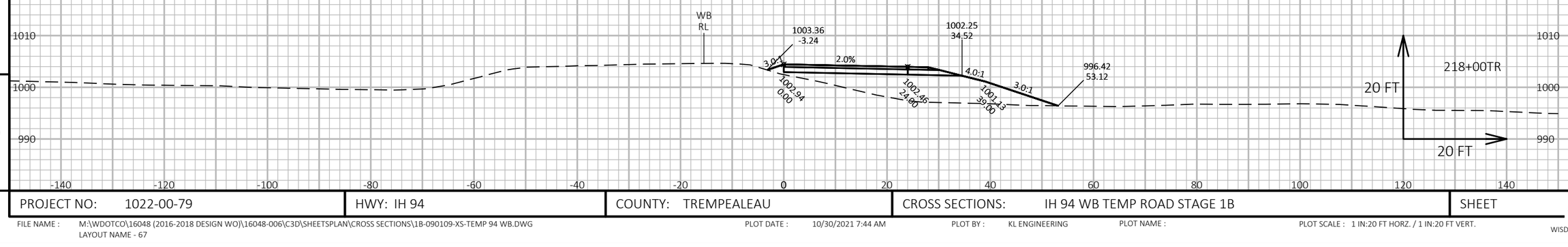
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 694	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 66

PLOT DATE : 10/30/2021 7:43 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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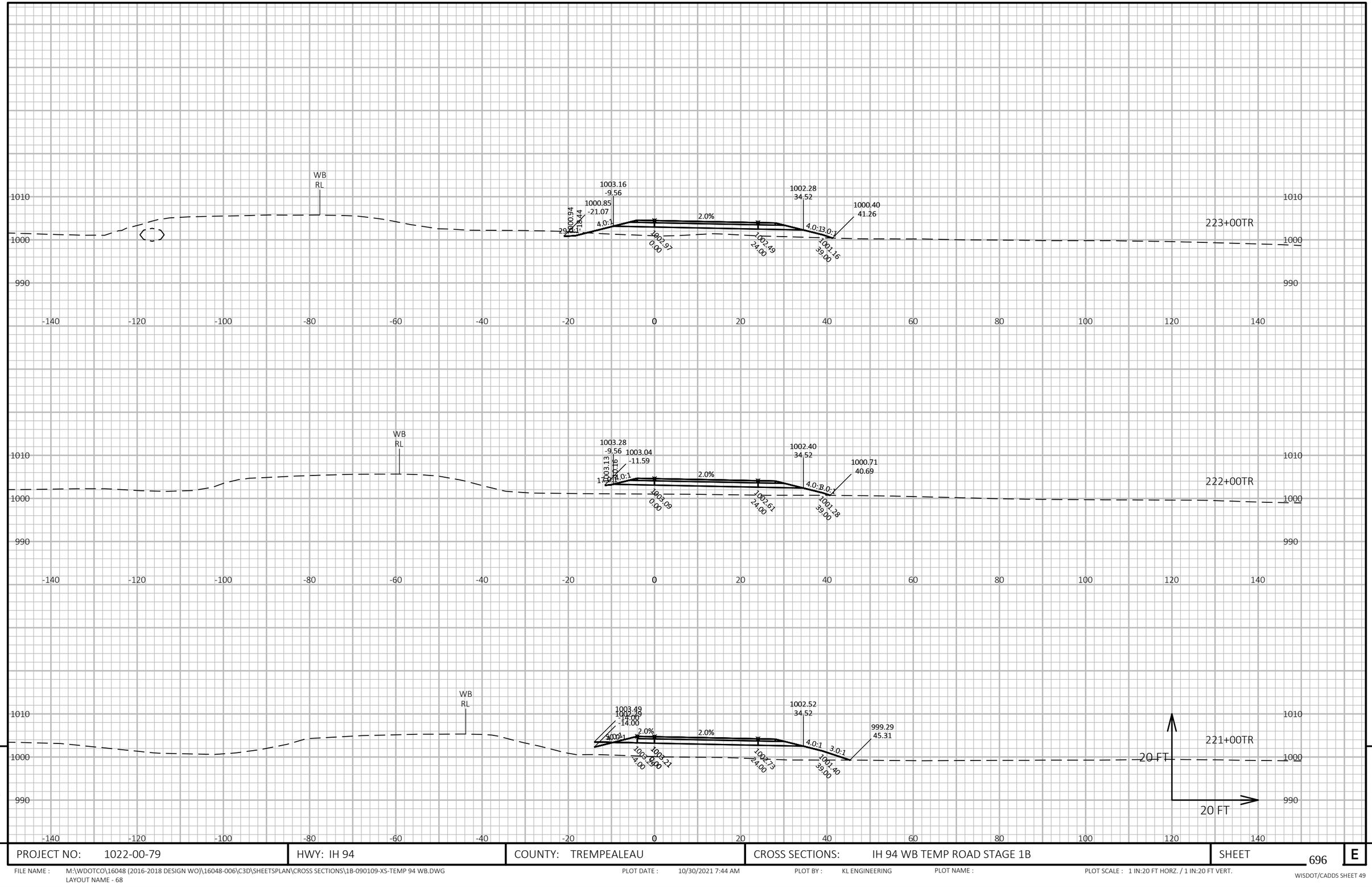
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 695	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 67

PLOT DATE : 10/30/2021 7:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 696	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 68

PLOT DATE : 10/30/2021 7:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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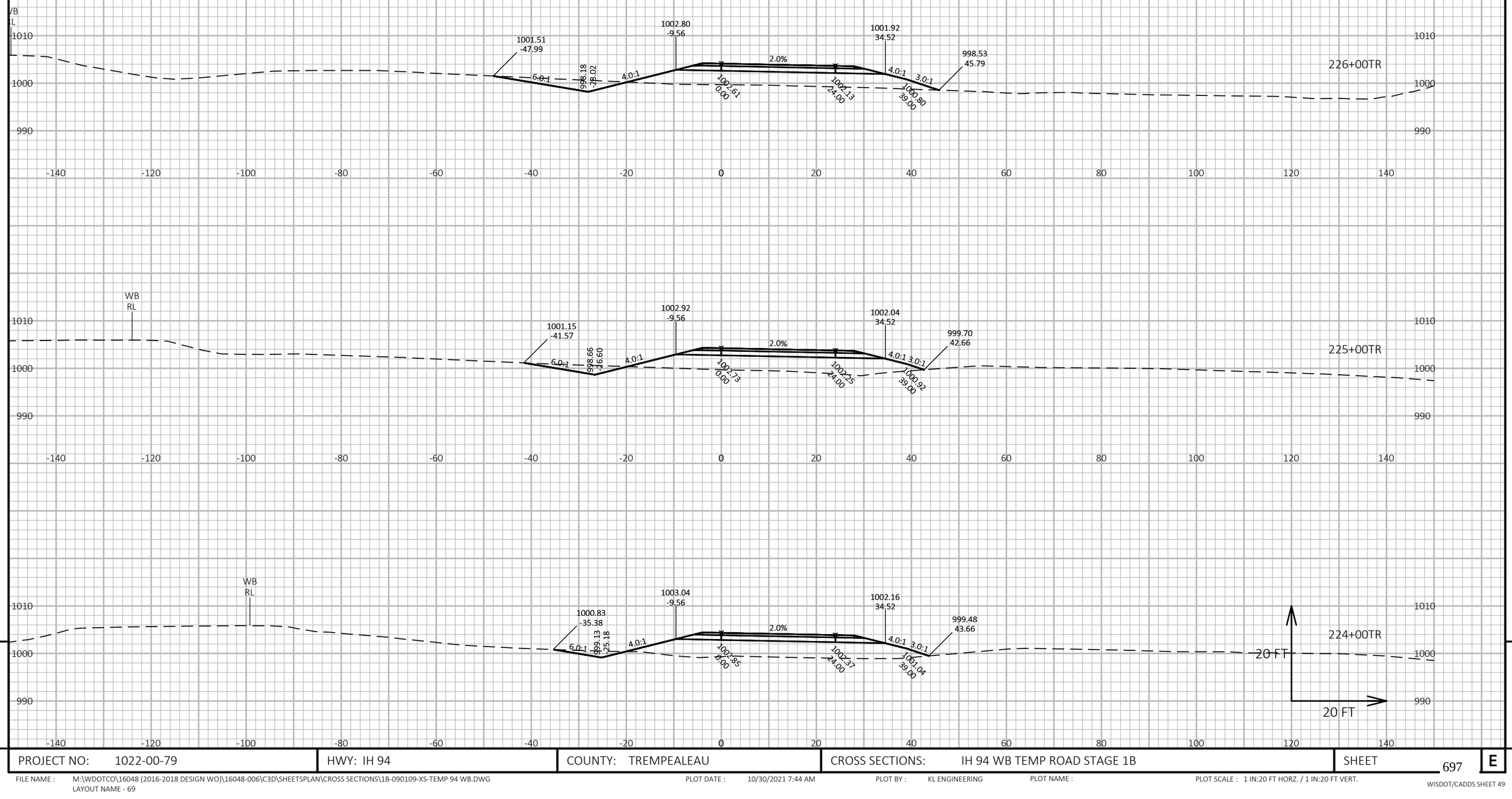

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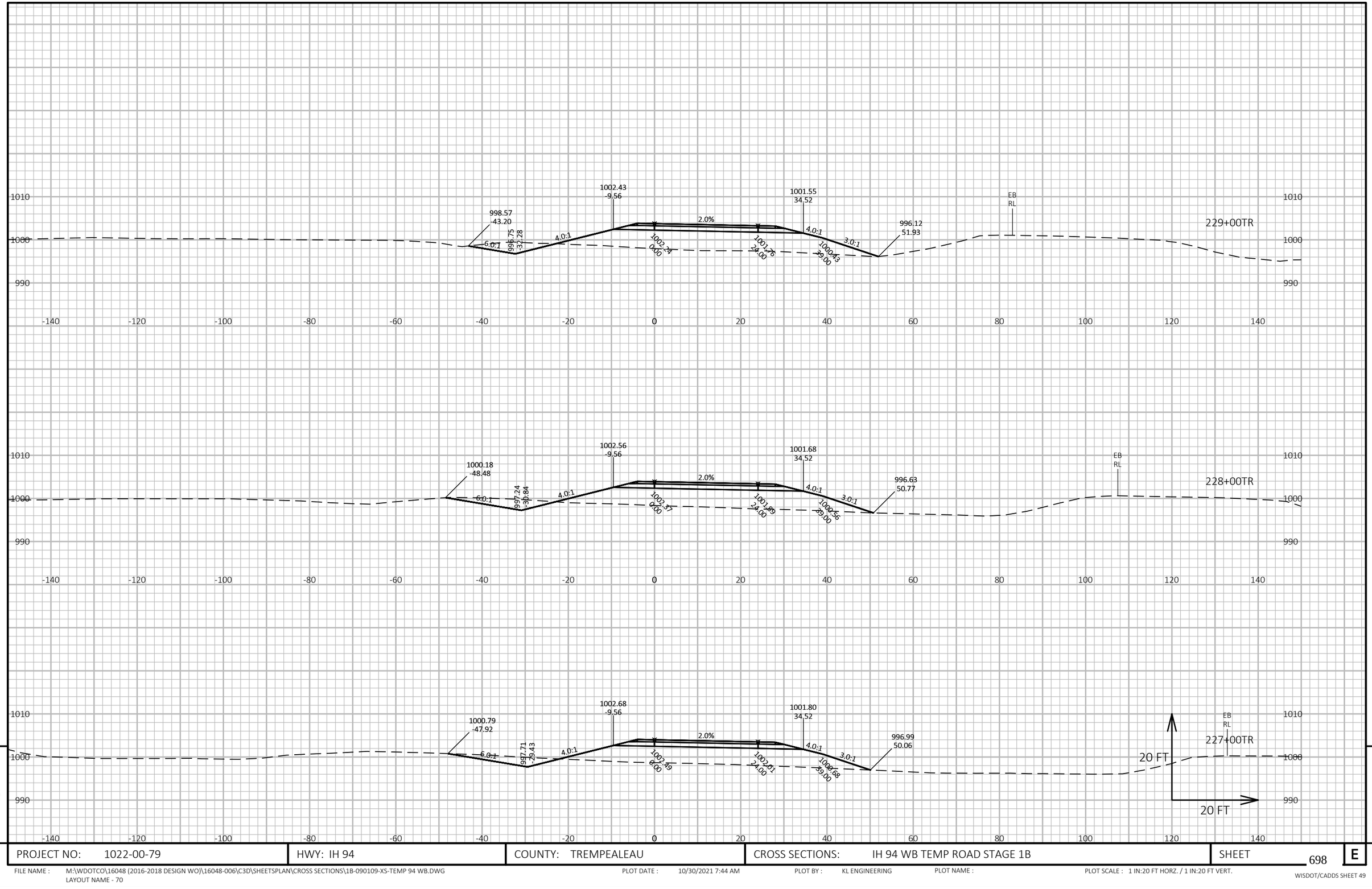
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 697	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 69

PLOT DATE : 10/30/2021 7:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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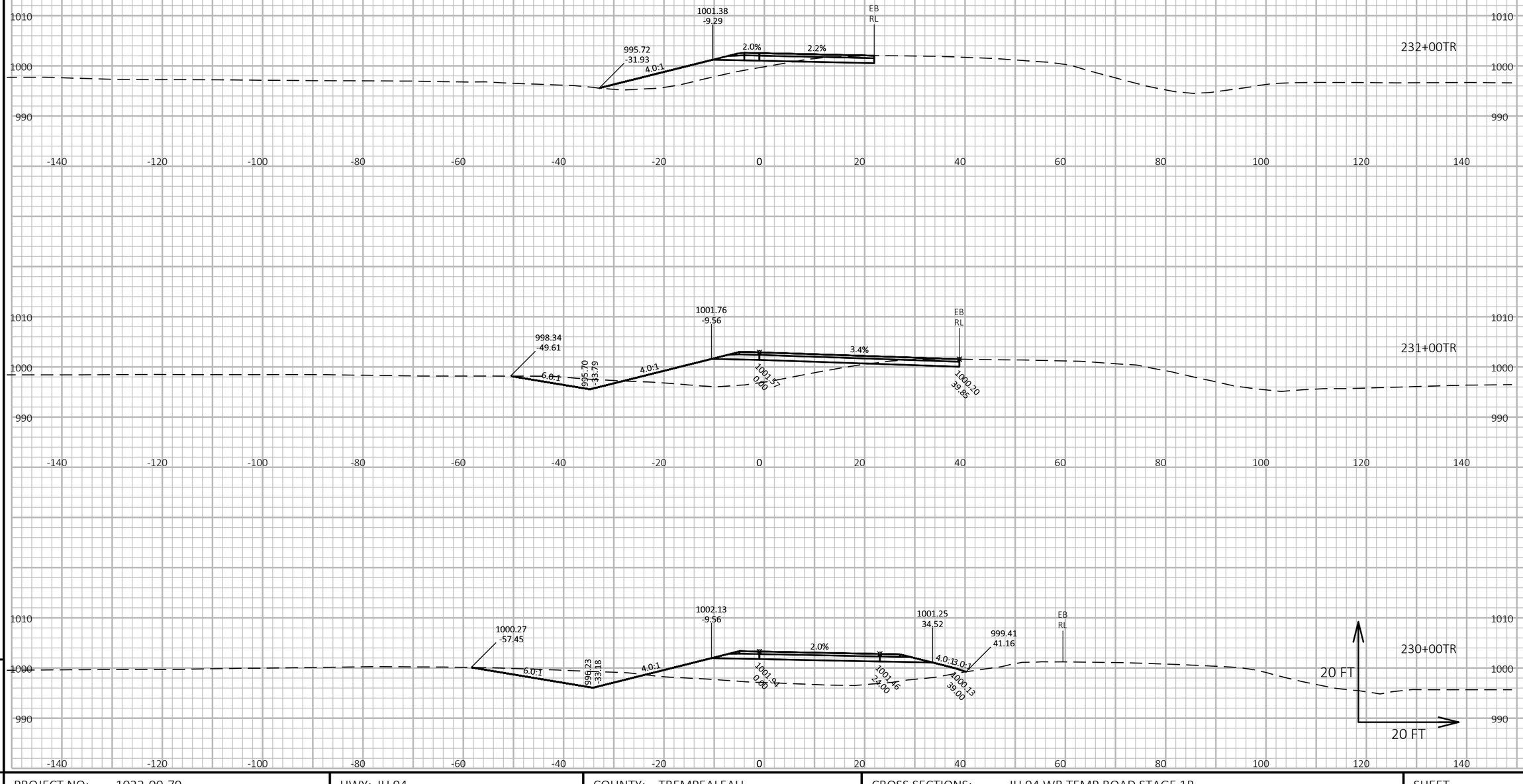
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 698	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 70

PLOT DATE : 10/30/2021 7:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 699 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 71

PLOT DATE : 10/30/2021 7:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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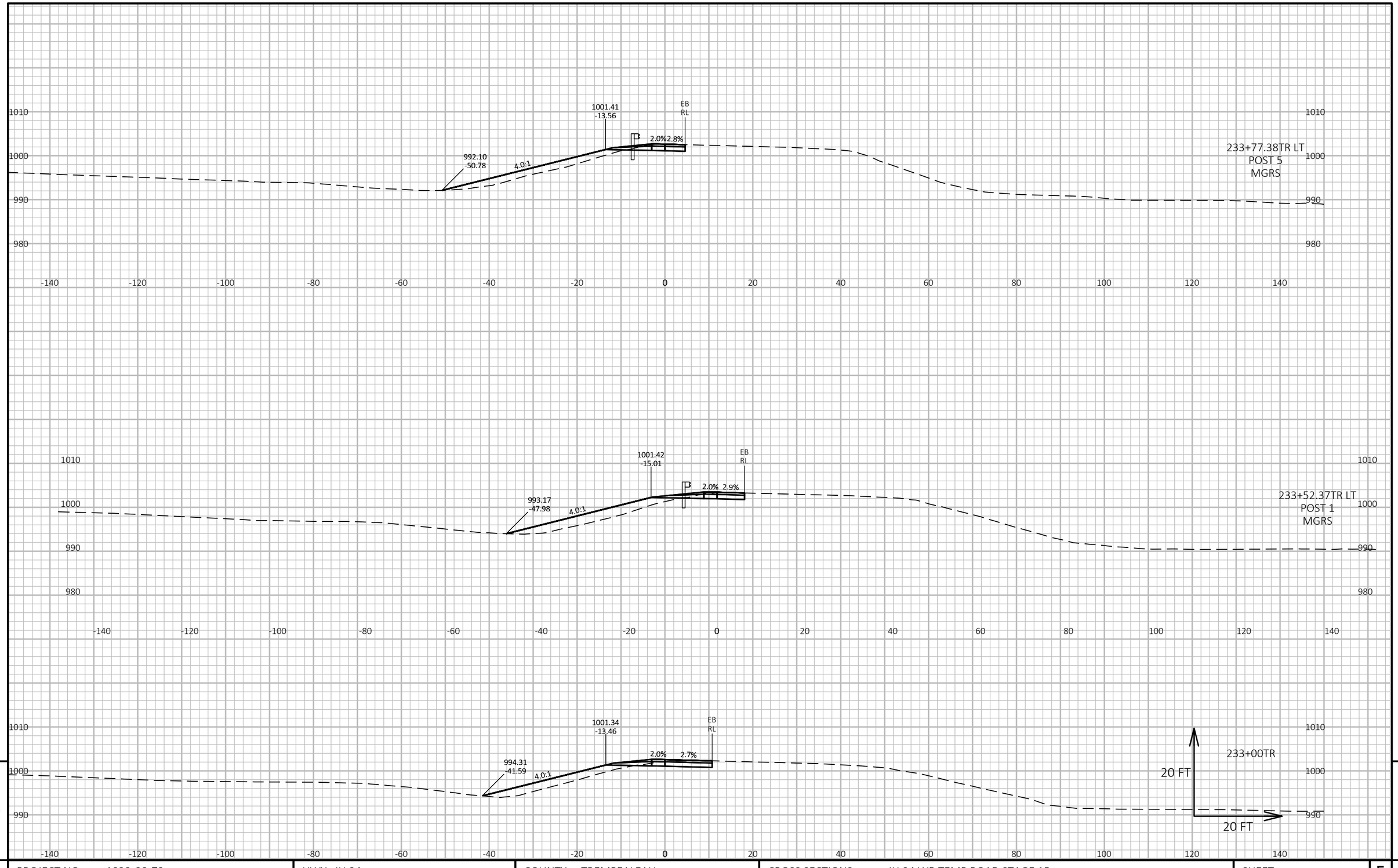

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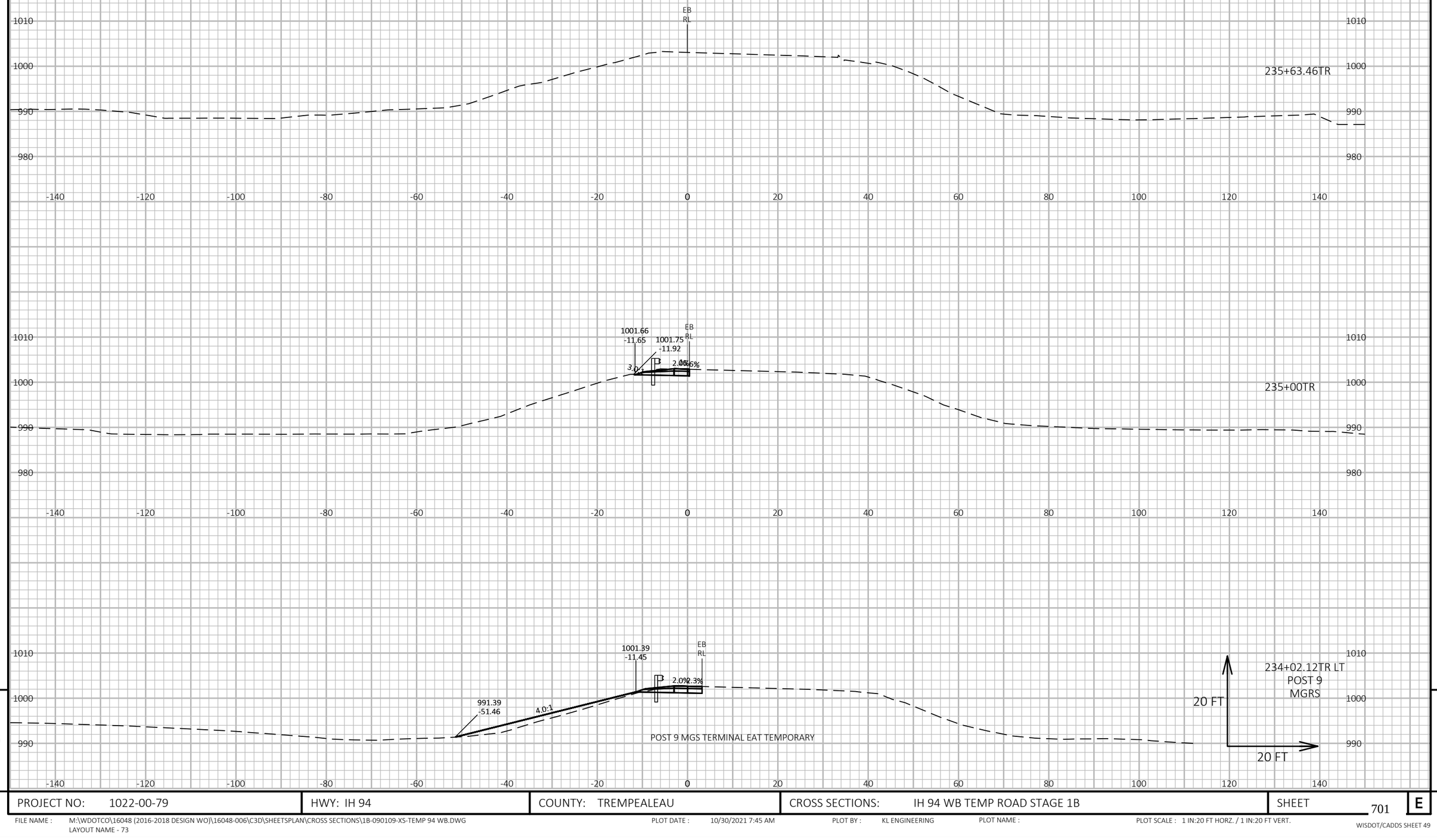
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 700	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 72

PLOT DATE : 10/30/2021 7:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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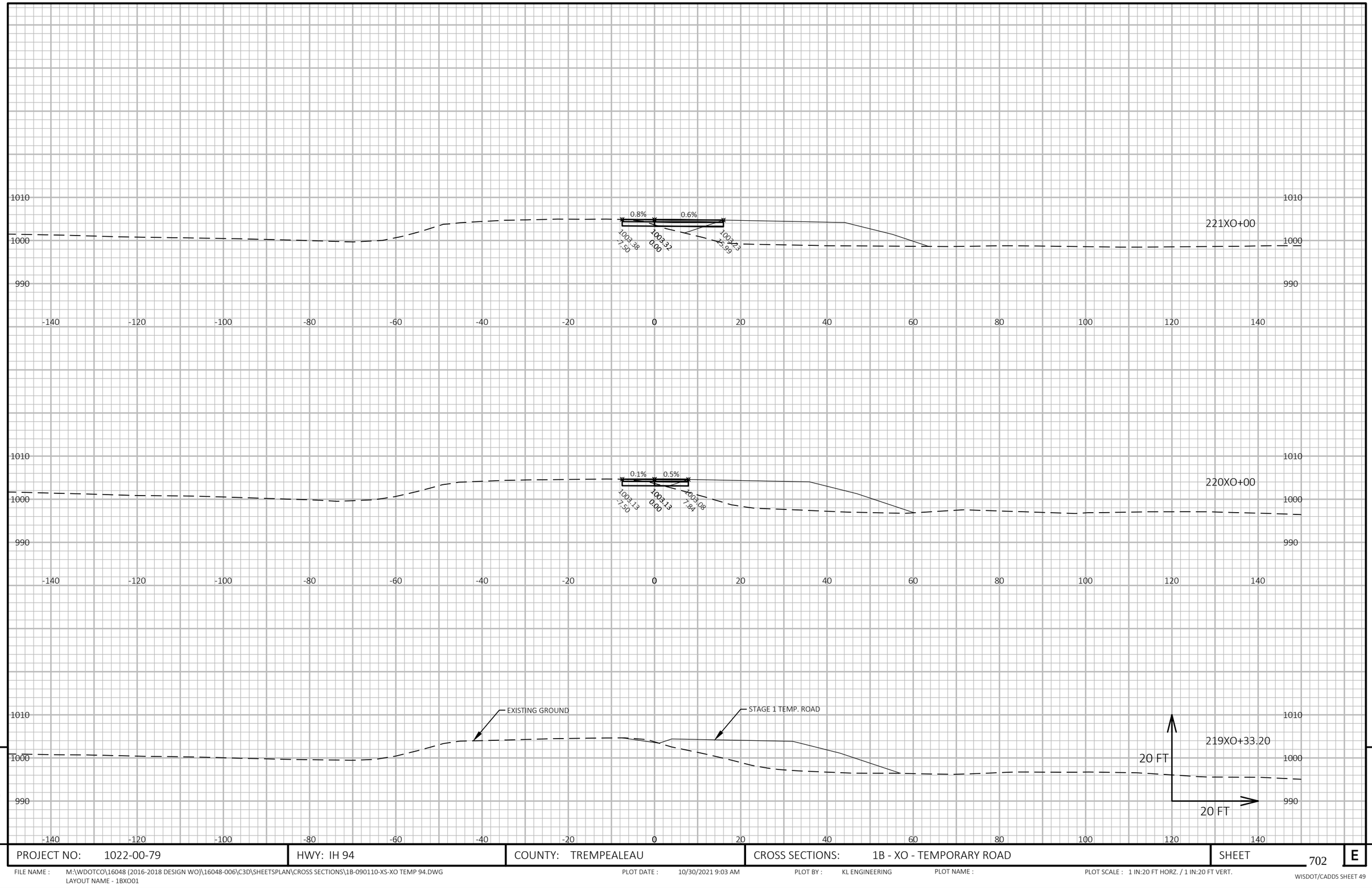
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB TEMP ROAD STAGE 1B	SHEET 701	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090109-XS-TEMP 94 WB.DWG
LAYOUT NAME - 73

PLOT DATE : 10/30/2021 7:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: 1B - XO - TEMPORARY ROAD	SHEET 702	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090110-XS-XO TEMP 94.DWG
LAYOUT NAME - 1BXO01

PLOT DATE : 10/30/2021 9:03 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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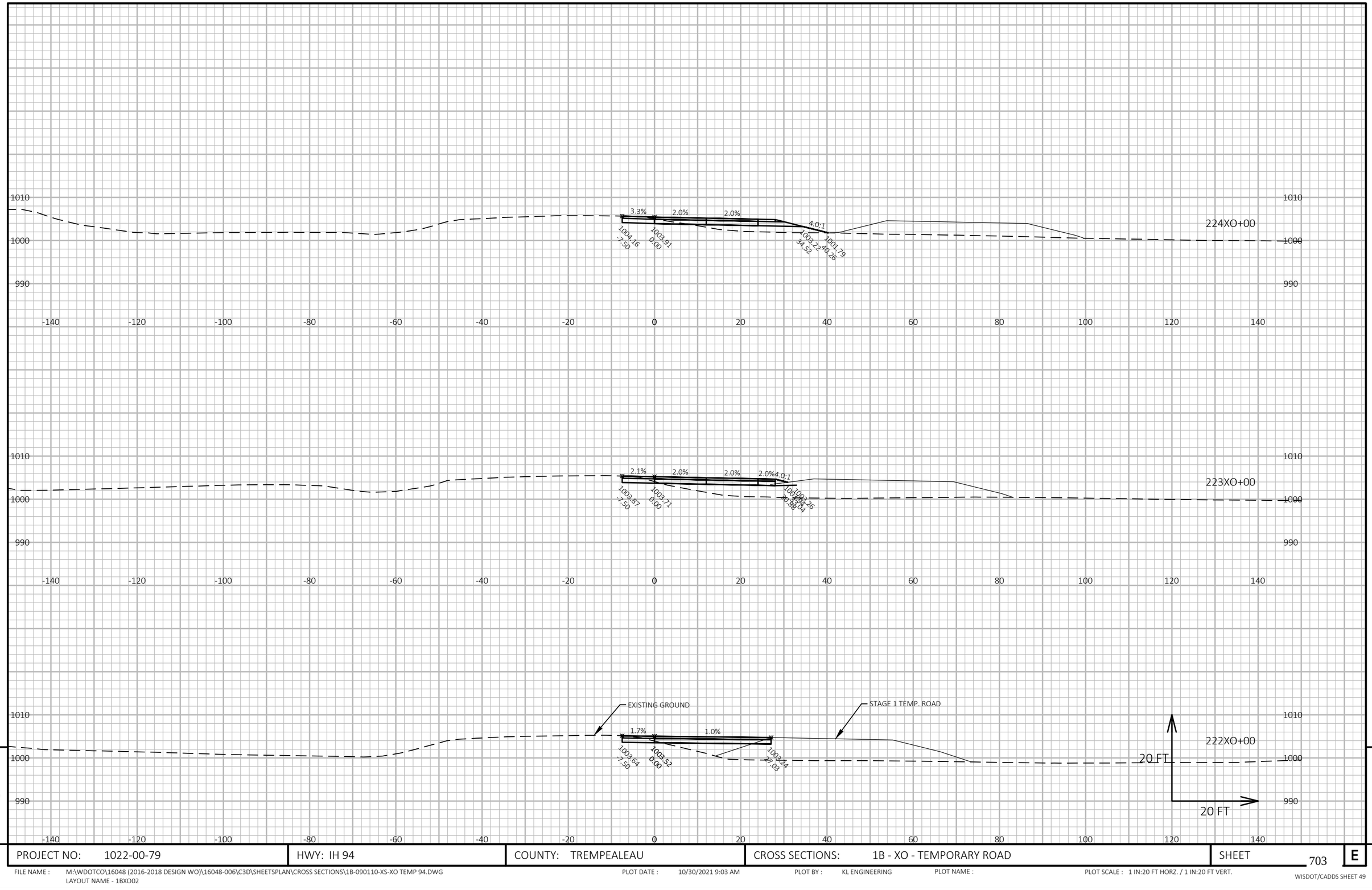

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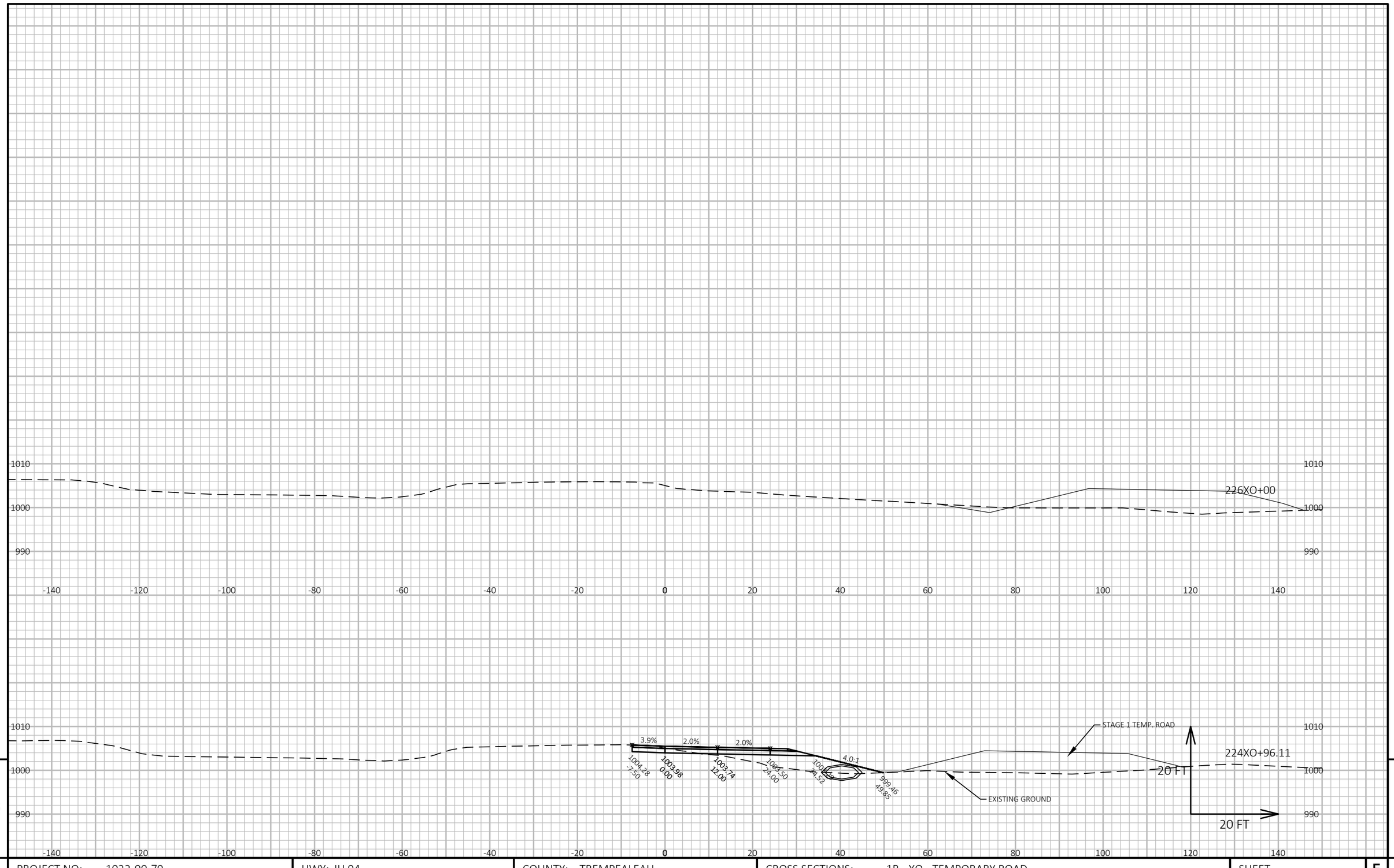
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: 1B - XO - TEMPORARY ROAD	SHEET 703	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090110-XS-XO TEMP 94.DWG
LAYOUT NAME - 1BXO02

PLOT DATE : 10/30/2021 9:03 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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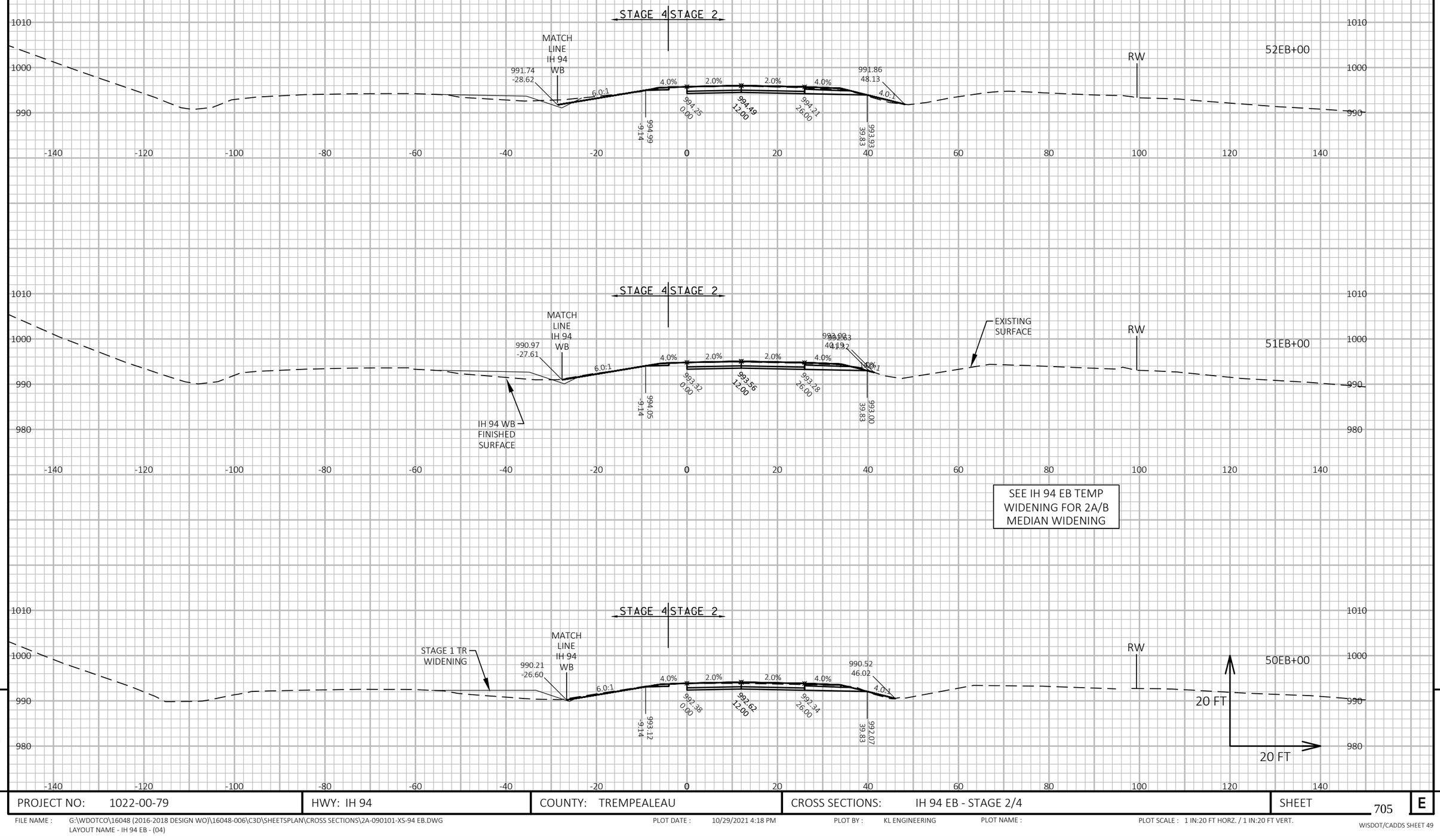
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: 1B - XO - TEMPORARY ROAD	SHEET 704	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\1B-090110-XS-XO TEMP 94.DWG
LAYOUT NAME - 1BXO03

PLOT DATE : 10/30/2021 9:03 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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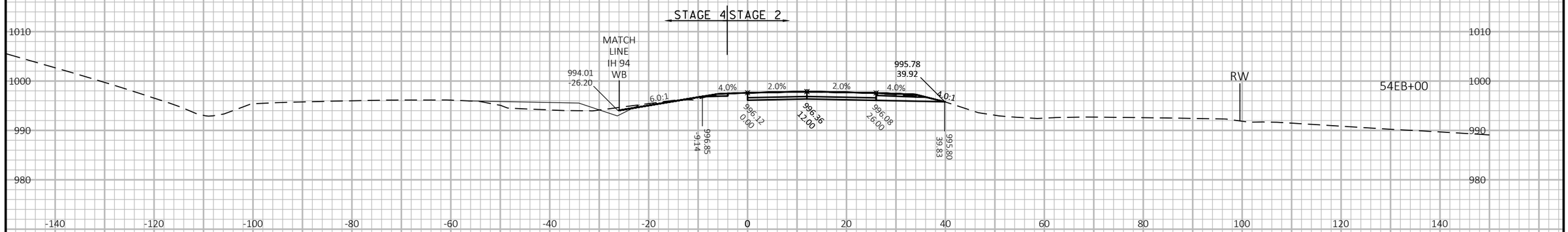
9

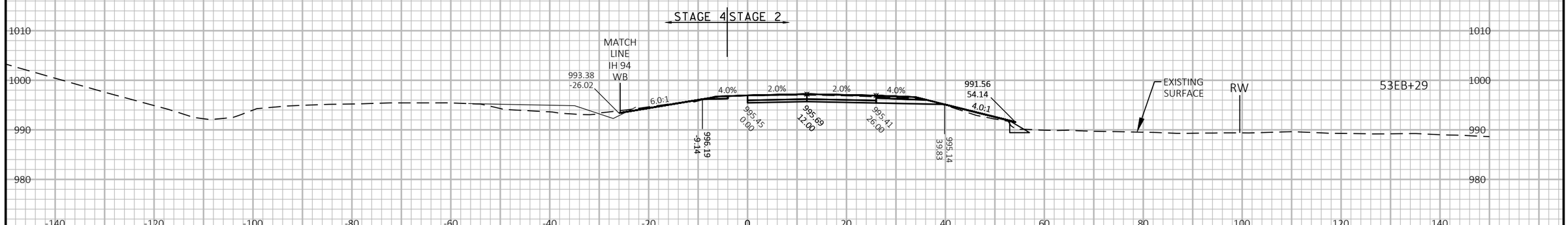
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 705	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (04)

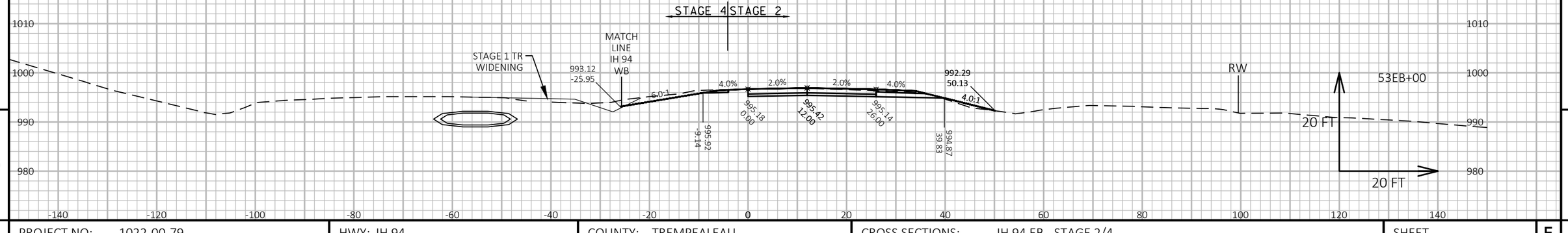
PLOT DATE : 10/29/2021 4:18 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





SEE IH 94 EB TEMP WIDENING FOR 2A/B MEDIAN WIDENING



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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 706	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (05)

PLOT DATE : 10/29/2021 4:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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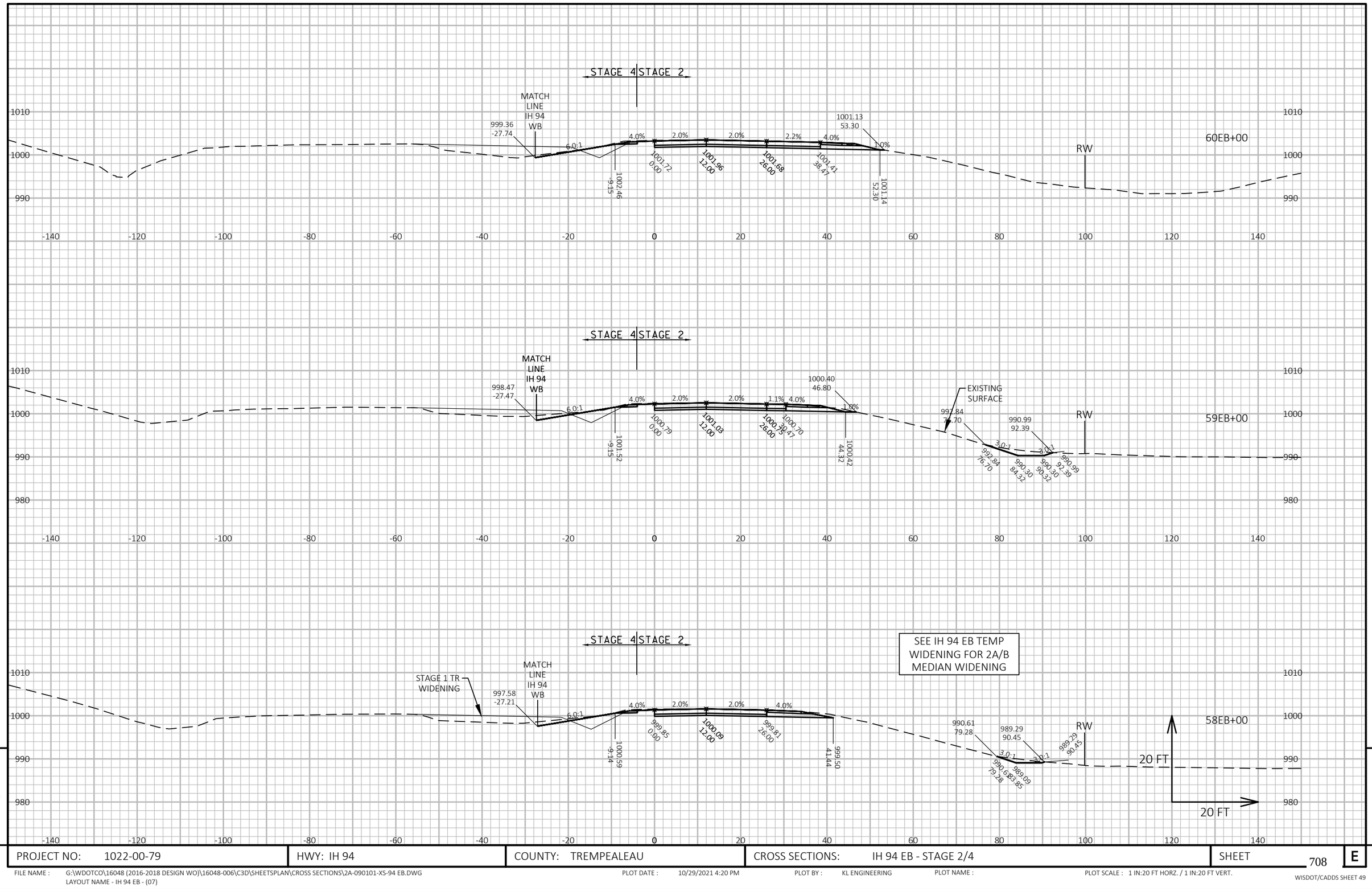
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 707	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (06)

PLOT DATE : 10/29/2021 4:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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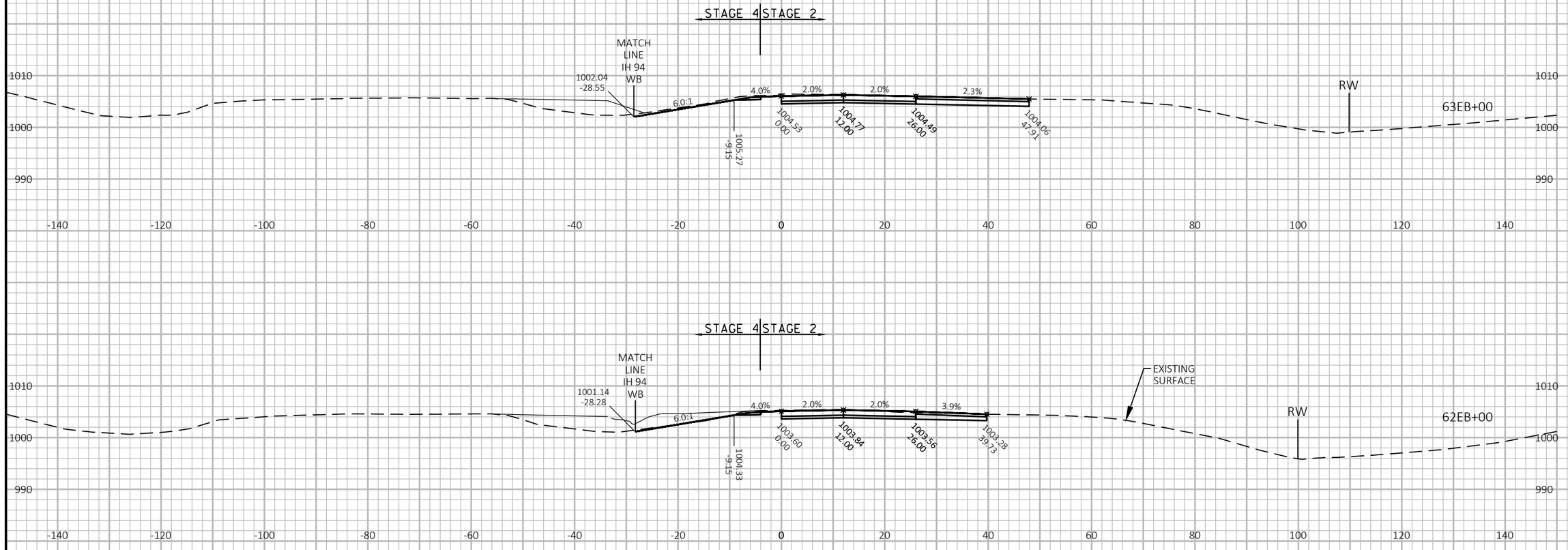
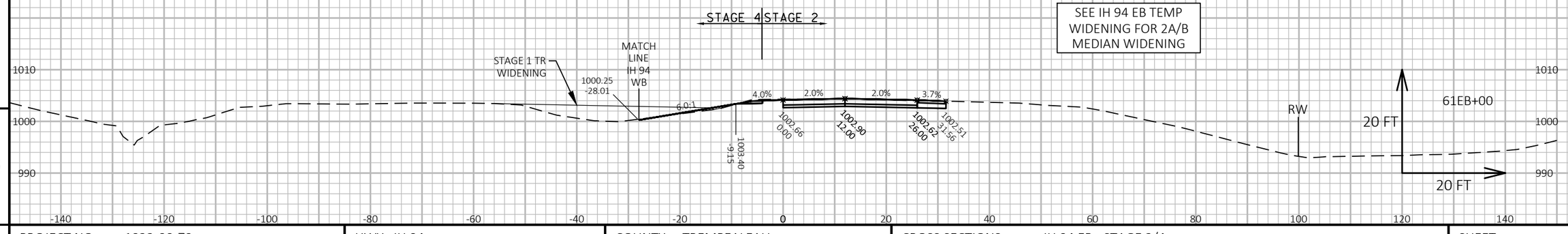
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 708	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (07)

PLOT DATE : 10/29/2021 4:20 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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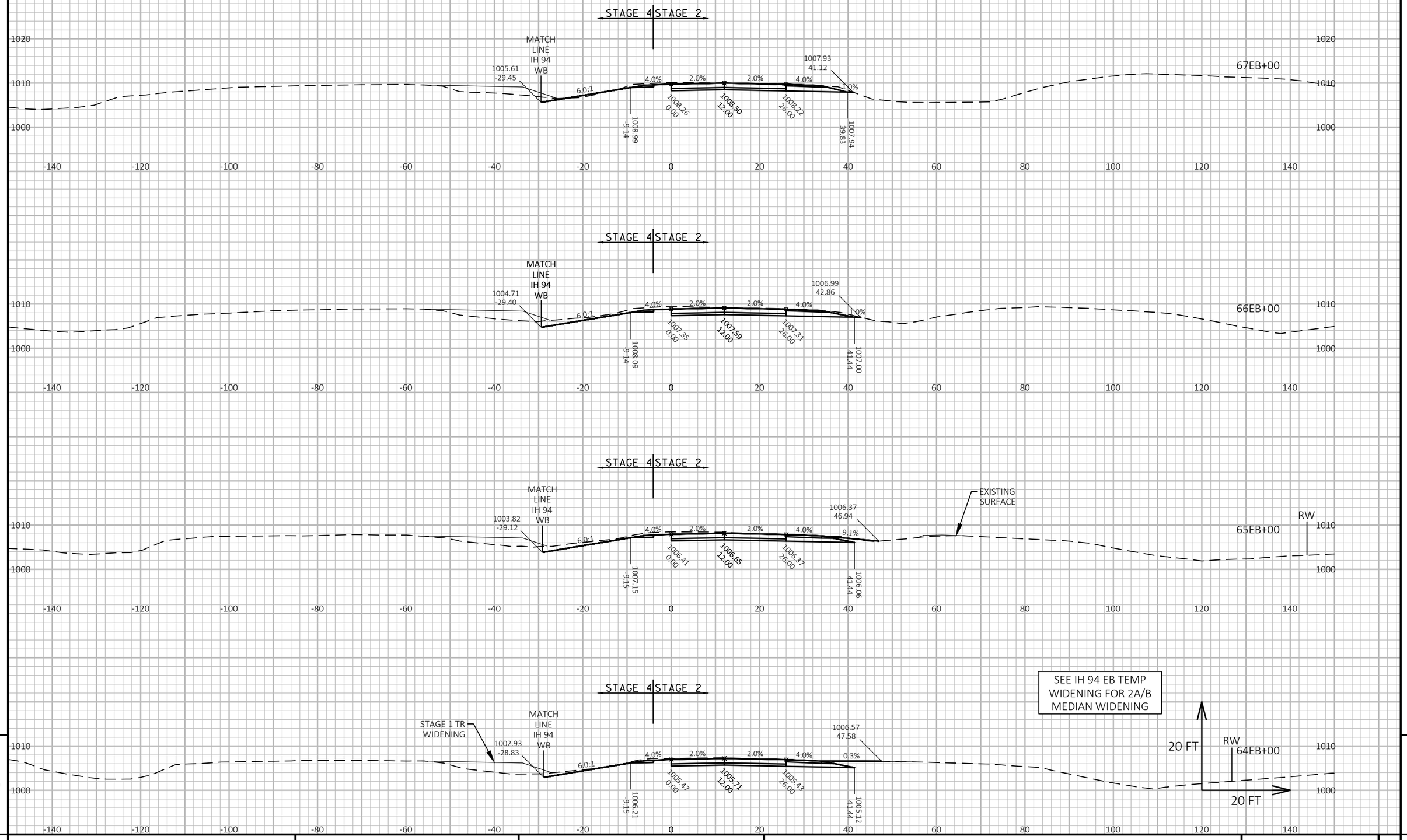
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 709	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (08)

PLOT DATE : 10/29/2021 4:20 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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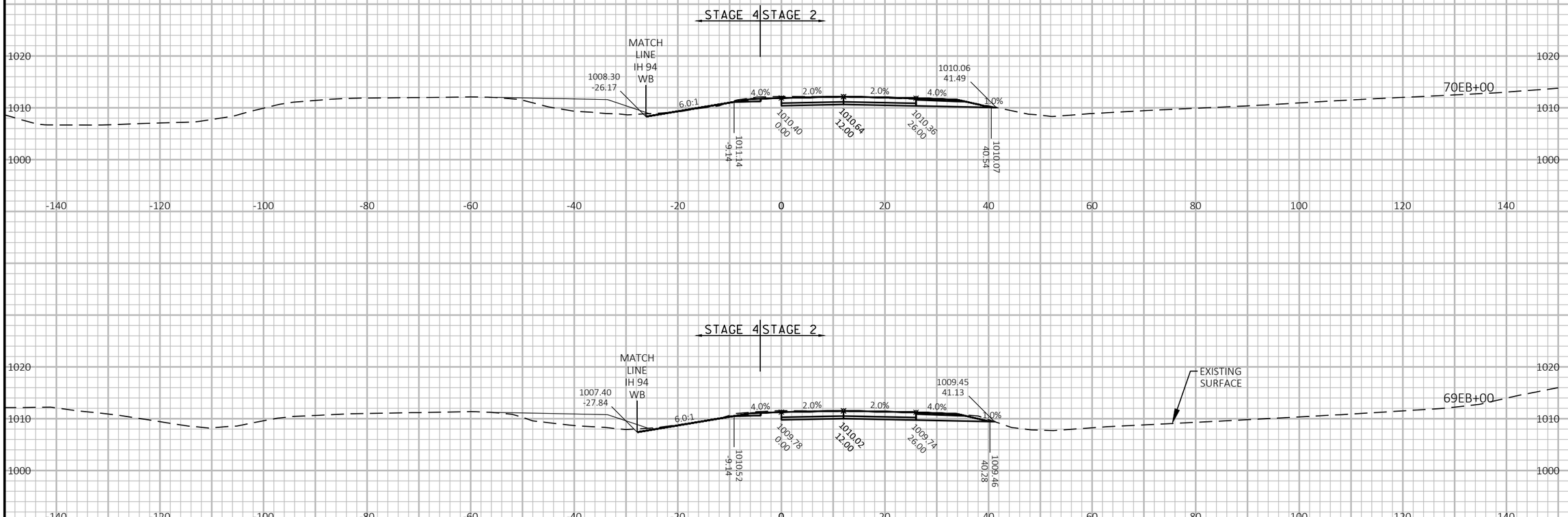
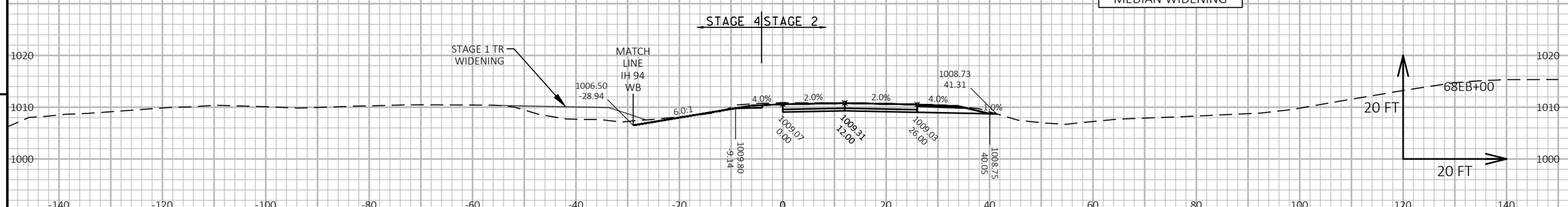
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 710	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (09)

PLOT DATE : 10/29/2021 4:20 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



SEE IH 94 EB TEMP WIDENING FOR 2A/B MEDIAN WIDENING



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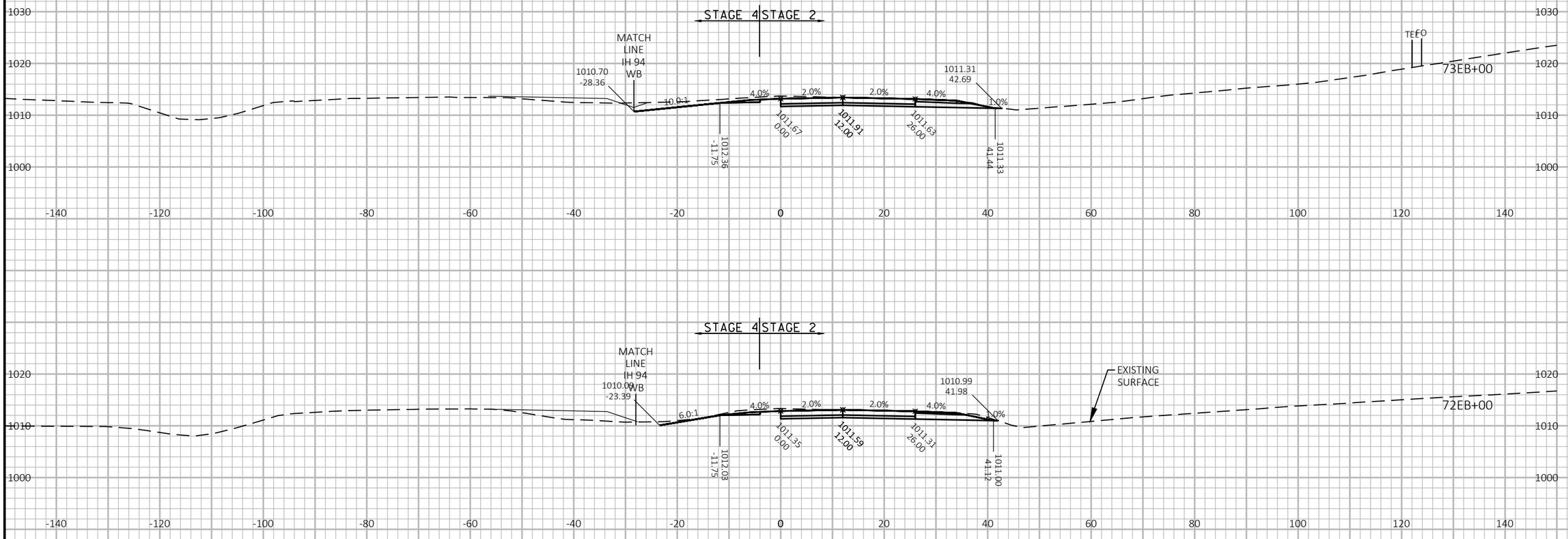
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 711	E

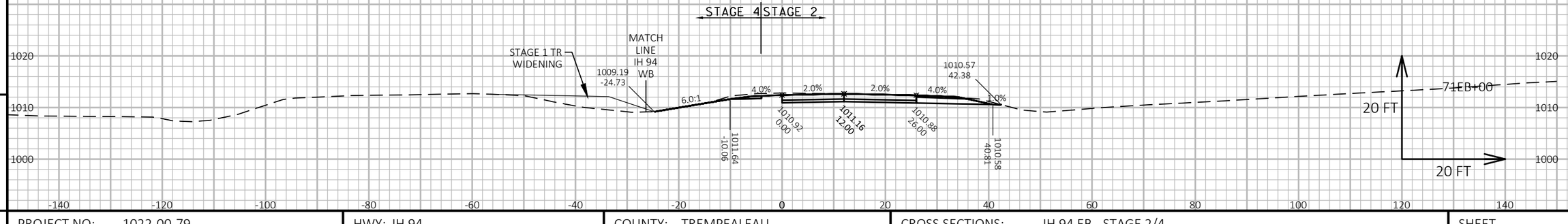
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (10)

PLOT DATE : 10/29/2021 4:21 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



SEE IH 94 EB TEMP WIDENING FOR 2A/B MEDIAN WIDENING



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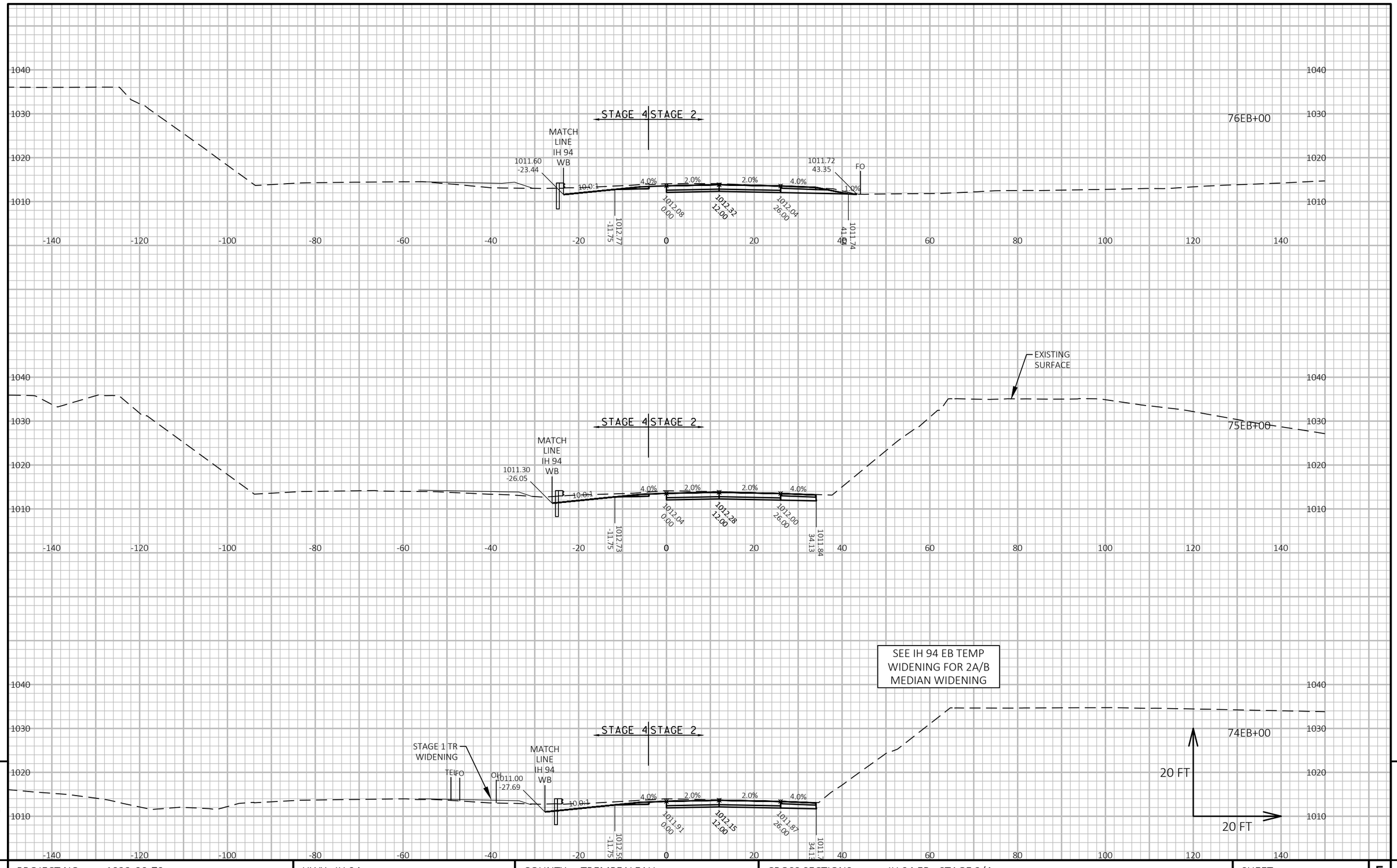
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 712	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (11)

PLOT DATE : 10/29/2021 4:21 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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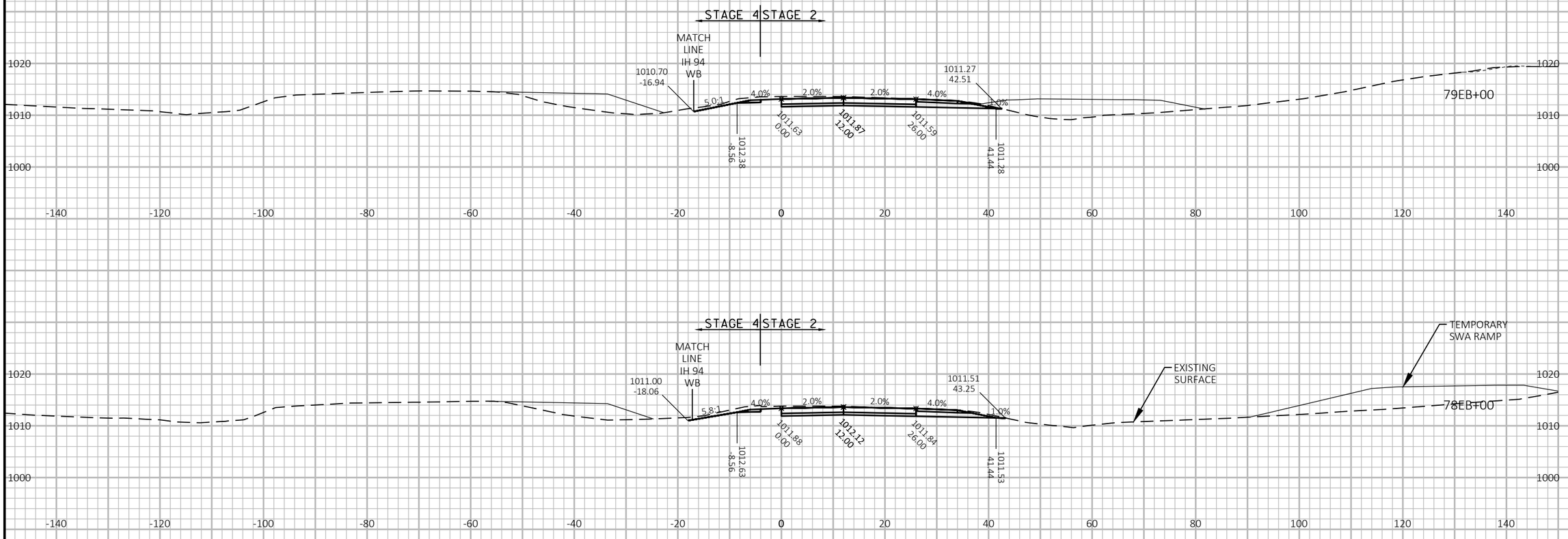
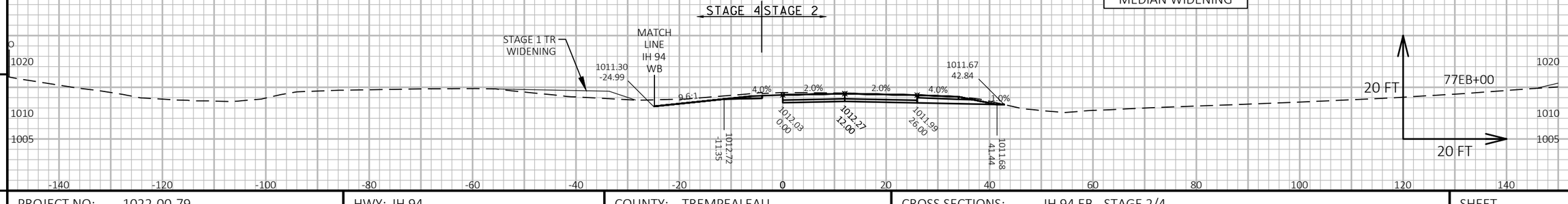
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 713	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (12)
PLOT DATE : 10/29/2021 4:22 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49





SEE IH 94 EB TEMP WIDENING FOR 2A/B MEDIAN WIDENING

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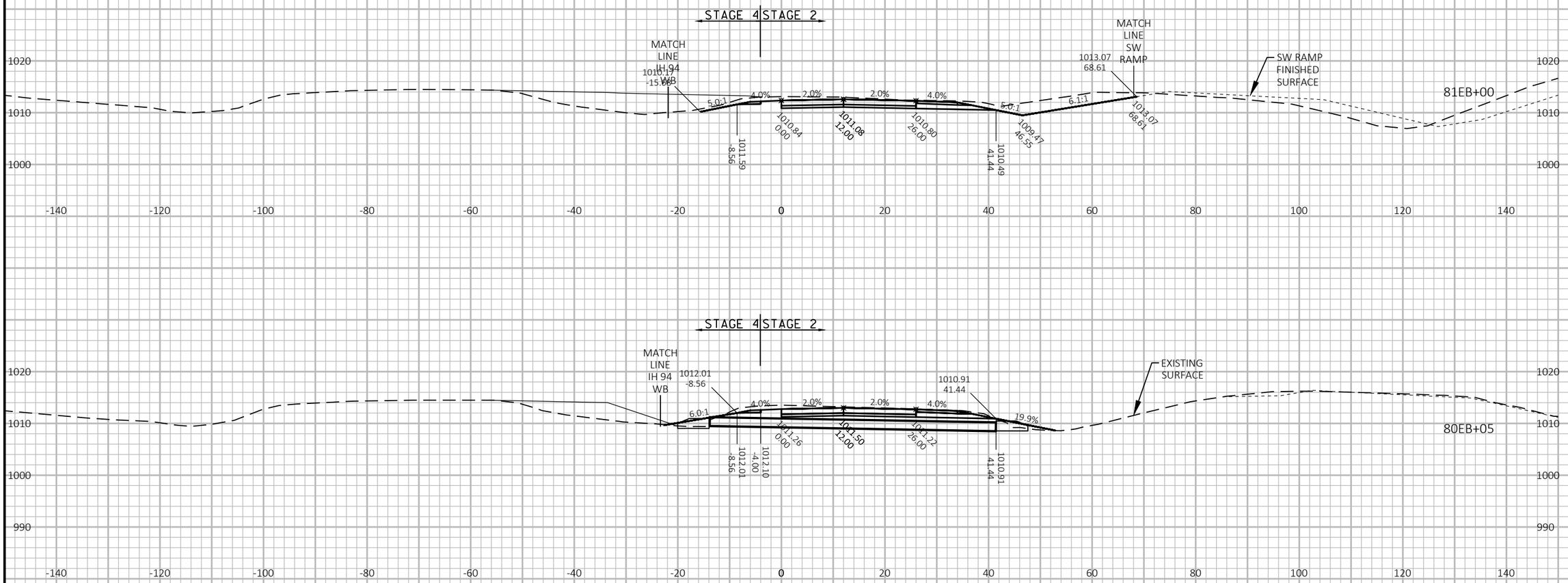
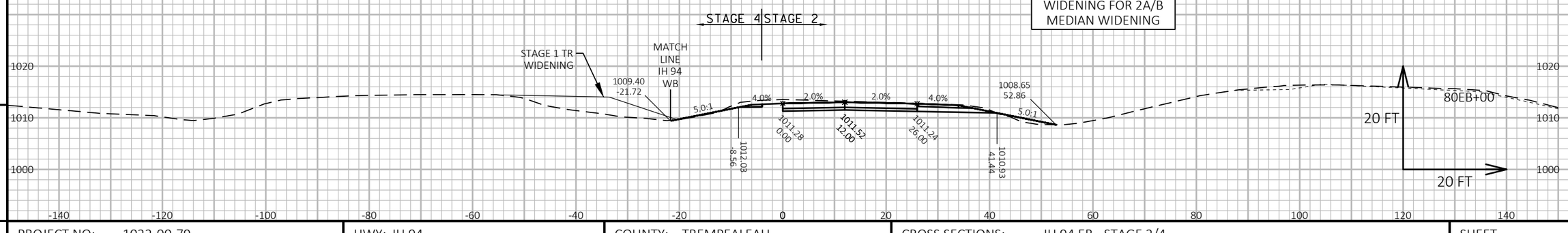
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 714	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (13)

PLOT DATE : 10/29/2021 4:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



SEE IH 94 EB TEMP WIDENING FOR 2A/B MEDIAN WIDENING



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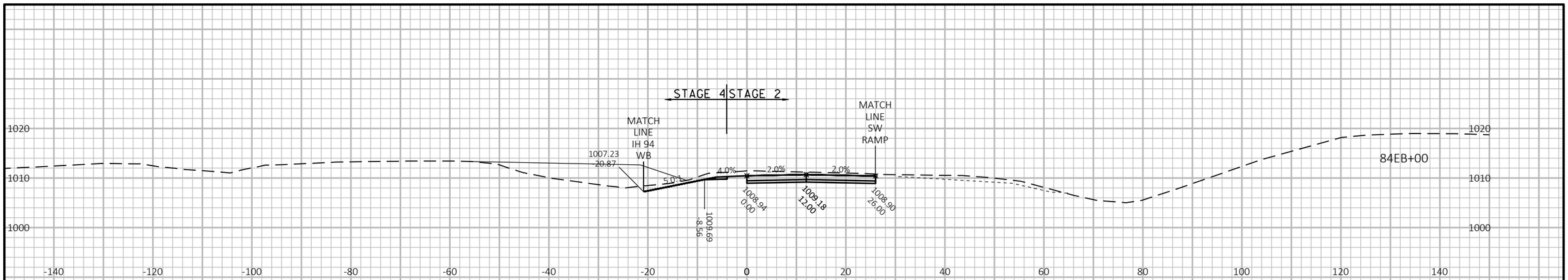
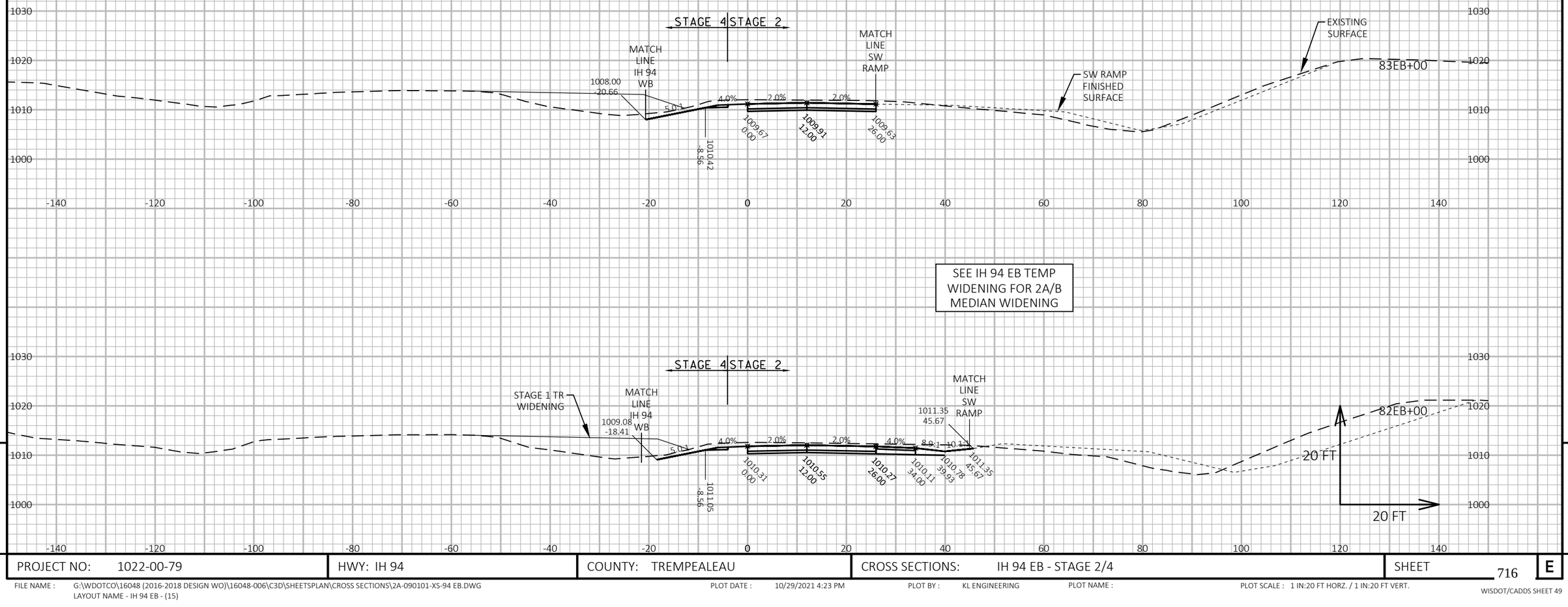
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 715	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (14)
PLOT DATE : 10/29/2021 4:22 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49





SEE IH 94 EB TEMP WIDENING FOR 2A/B MEDIAN WIDENING

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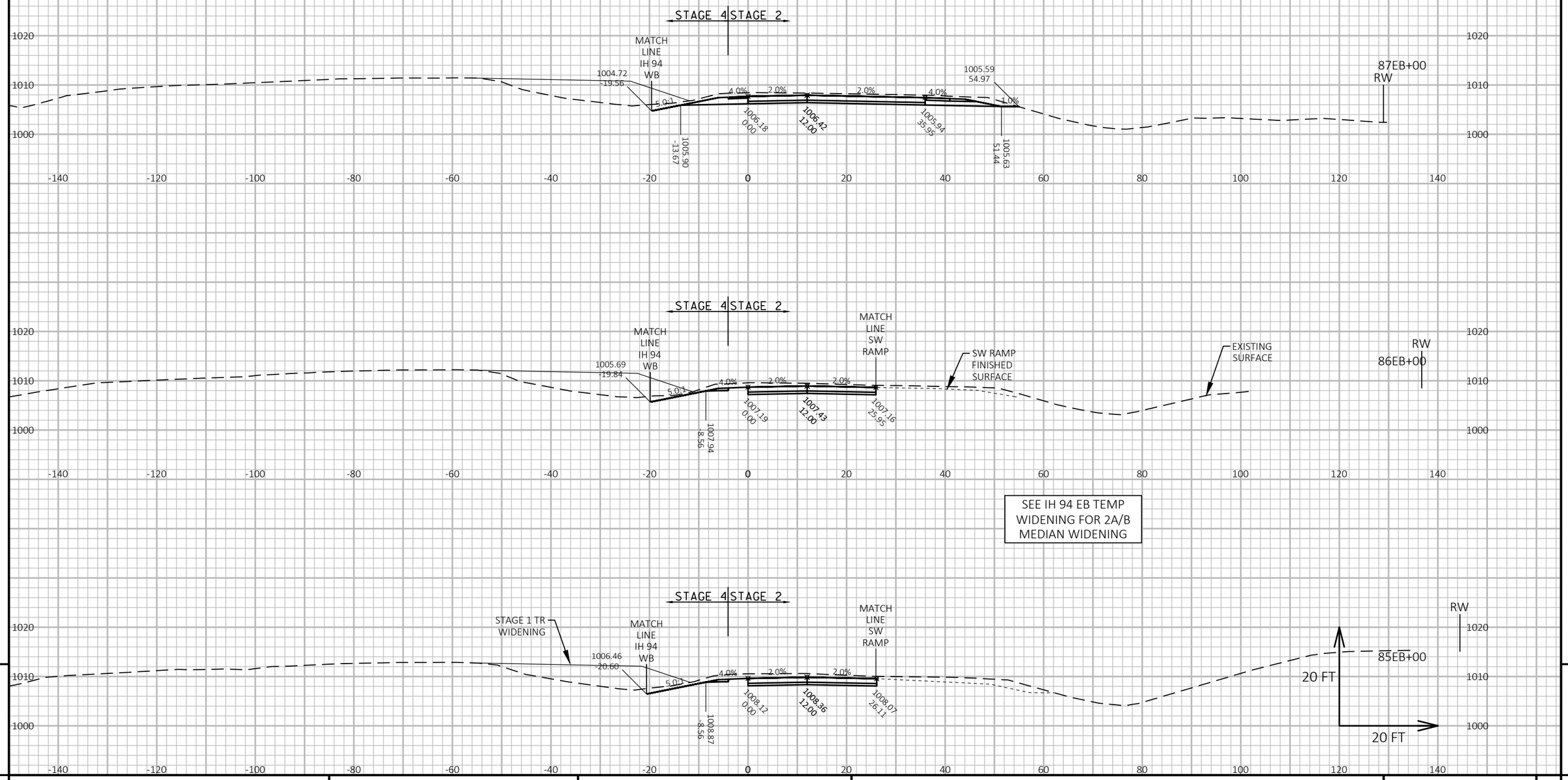
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 716	E



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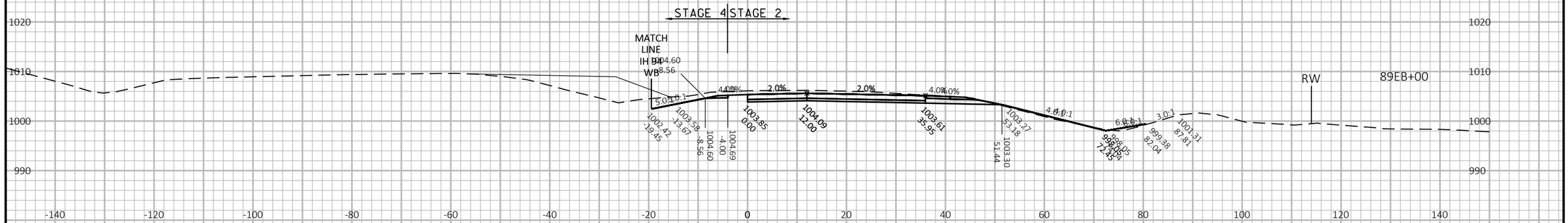
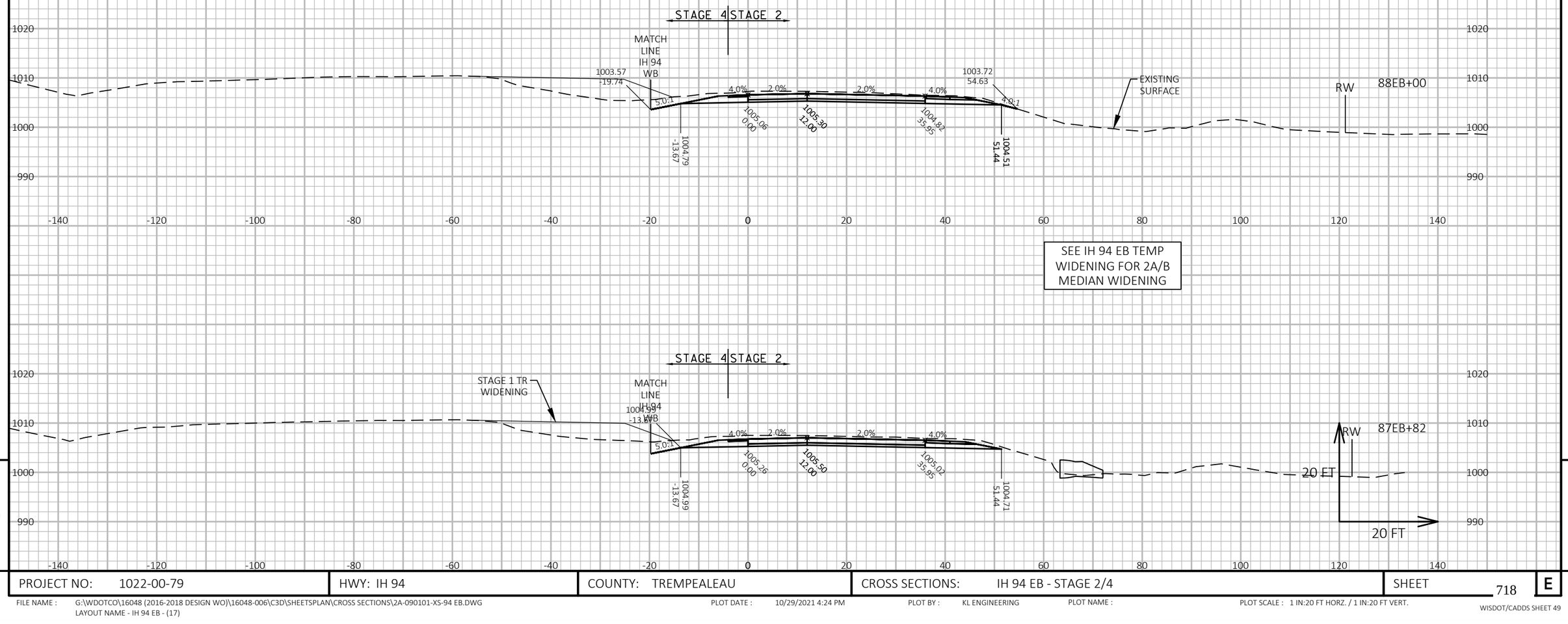
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 717	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (16)

PLOT DATE : 10/29/2021 4:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





SEE IH 94 EB TEMP WIDENING FOR 2A/B MEDIAN WIDENING

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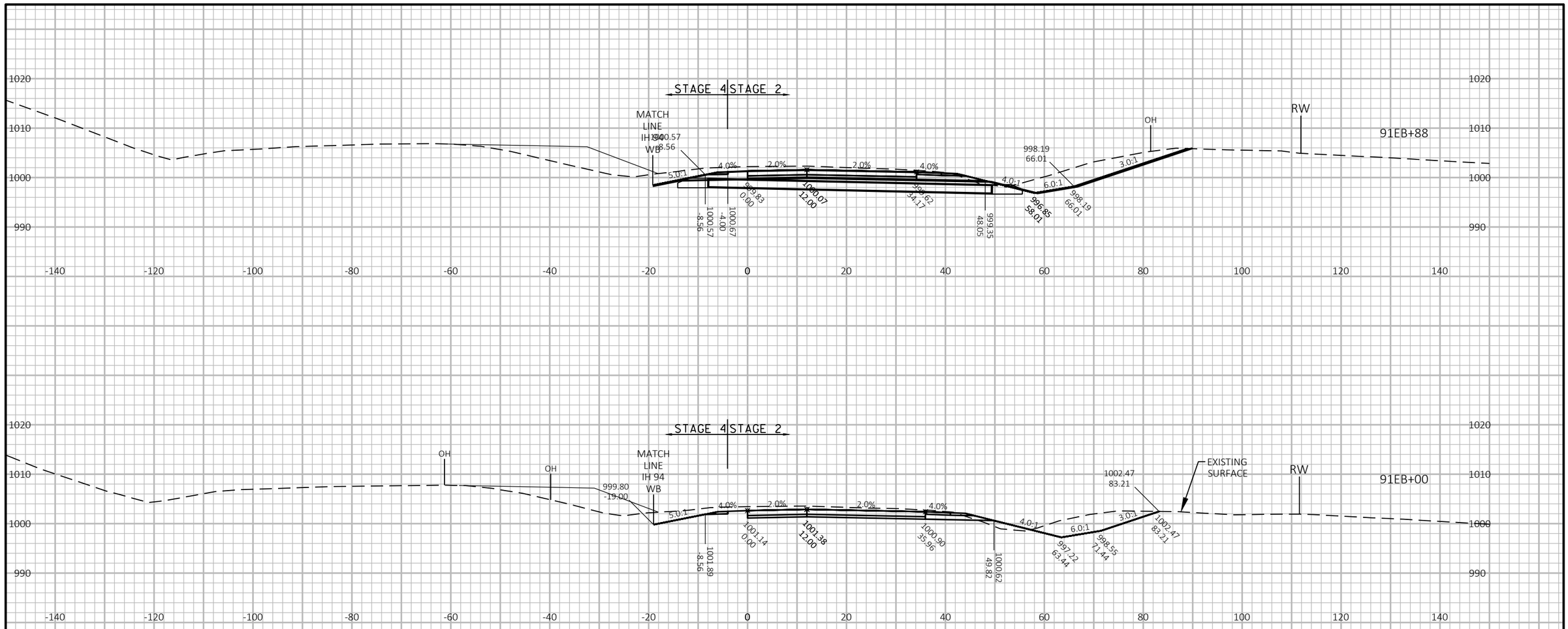
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 718	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (17)

PLOT DATE : 10/29/2021 4:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



SEE IH 94 EB TEMP WIDENING FOR 2A/B MEDIAN WIDENING

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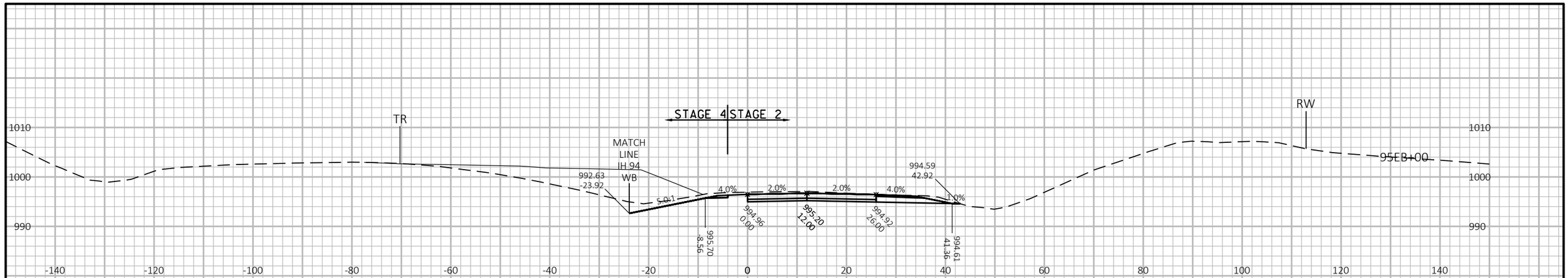
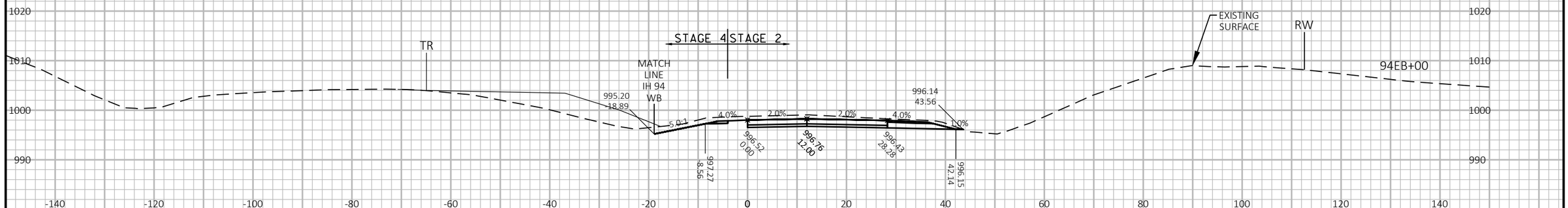
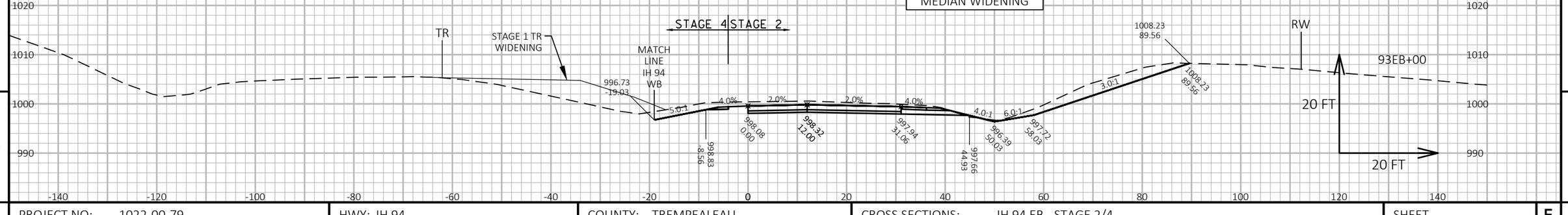
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 719	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (18)
PLOT DATE : 10/29/2021 4:24 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49





SEE IH 94 EB TEMP WIDENING FOR 2A/B MEDIAN WIDENING



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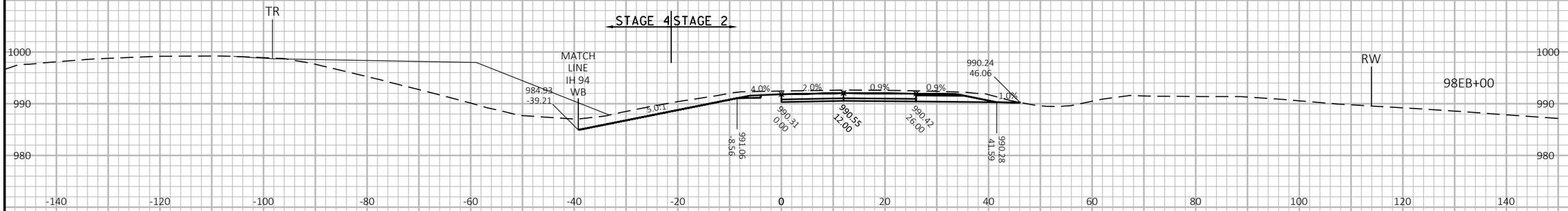
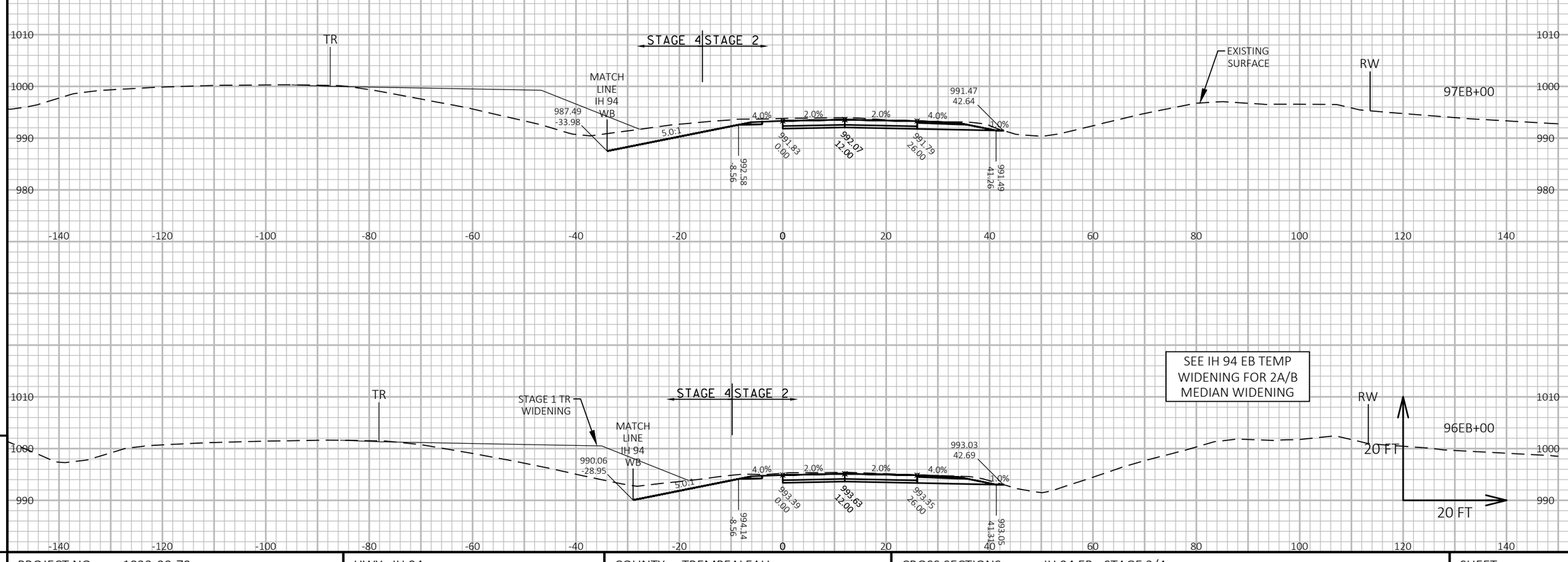
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 720	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (19)

PLOT DATE : 10/29/2021 4:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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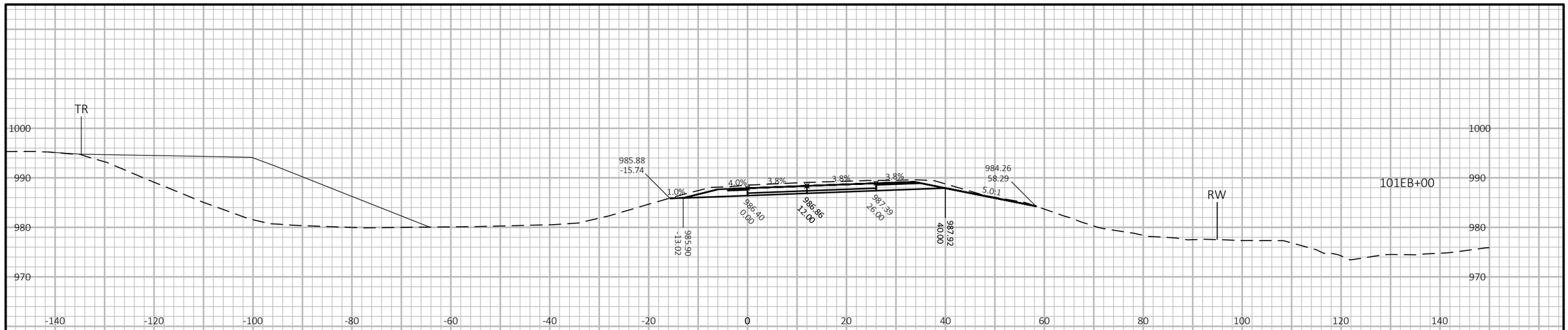
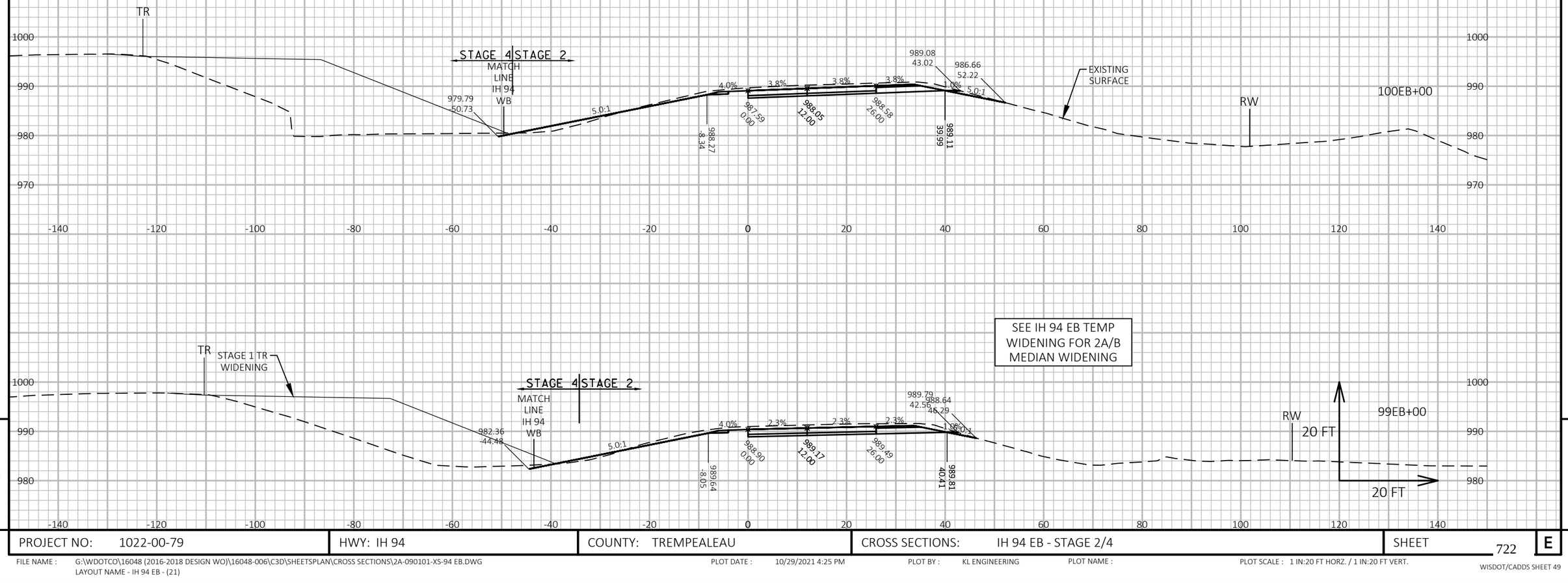
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 721	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (20)

PLOT DATE : 10/29/2021 4:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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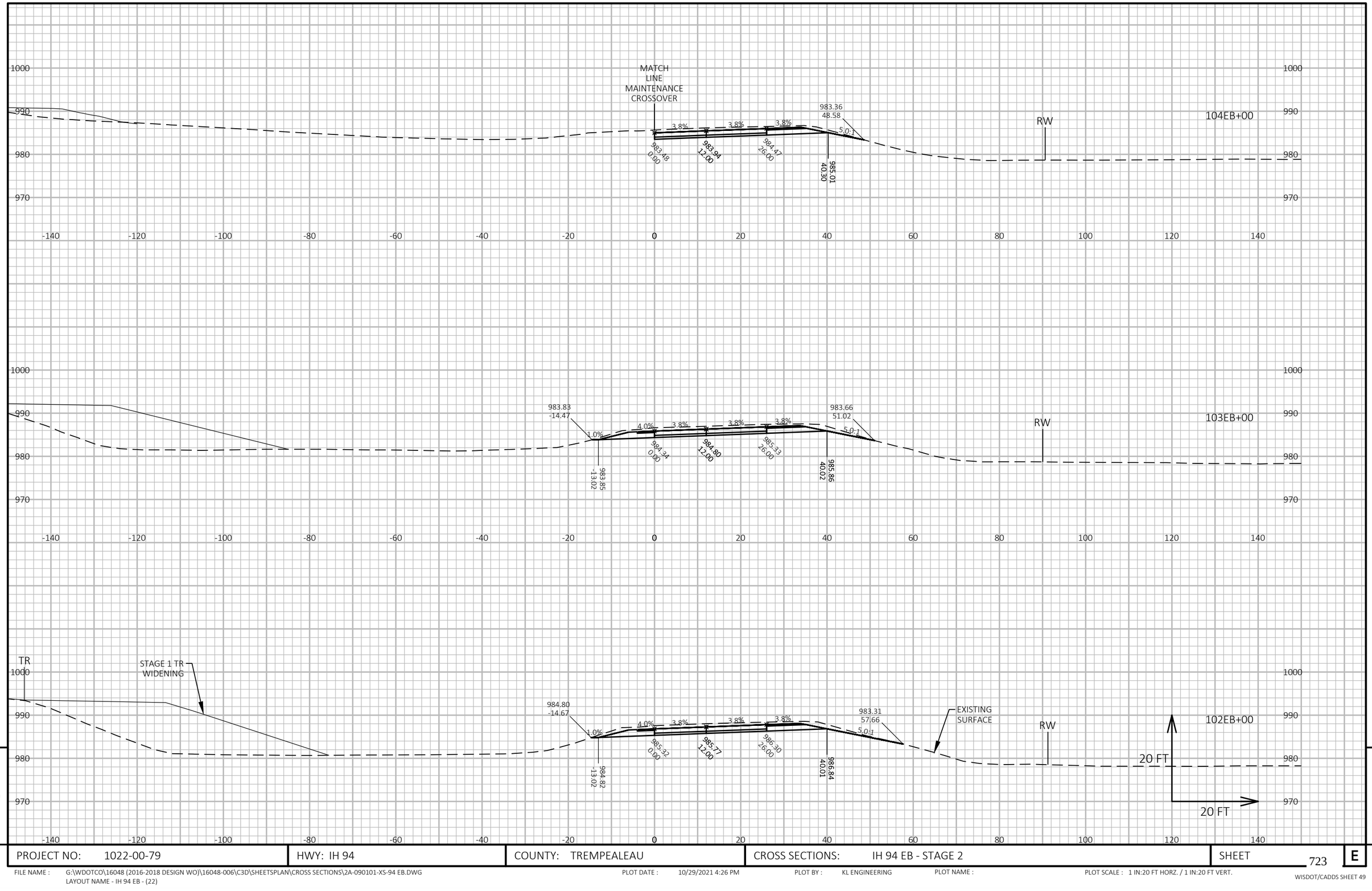
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2/4	SHEET 722	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (21)

PLOT DATE : 10/29/2021 4:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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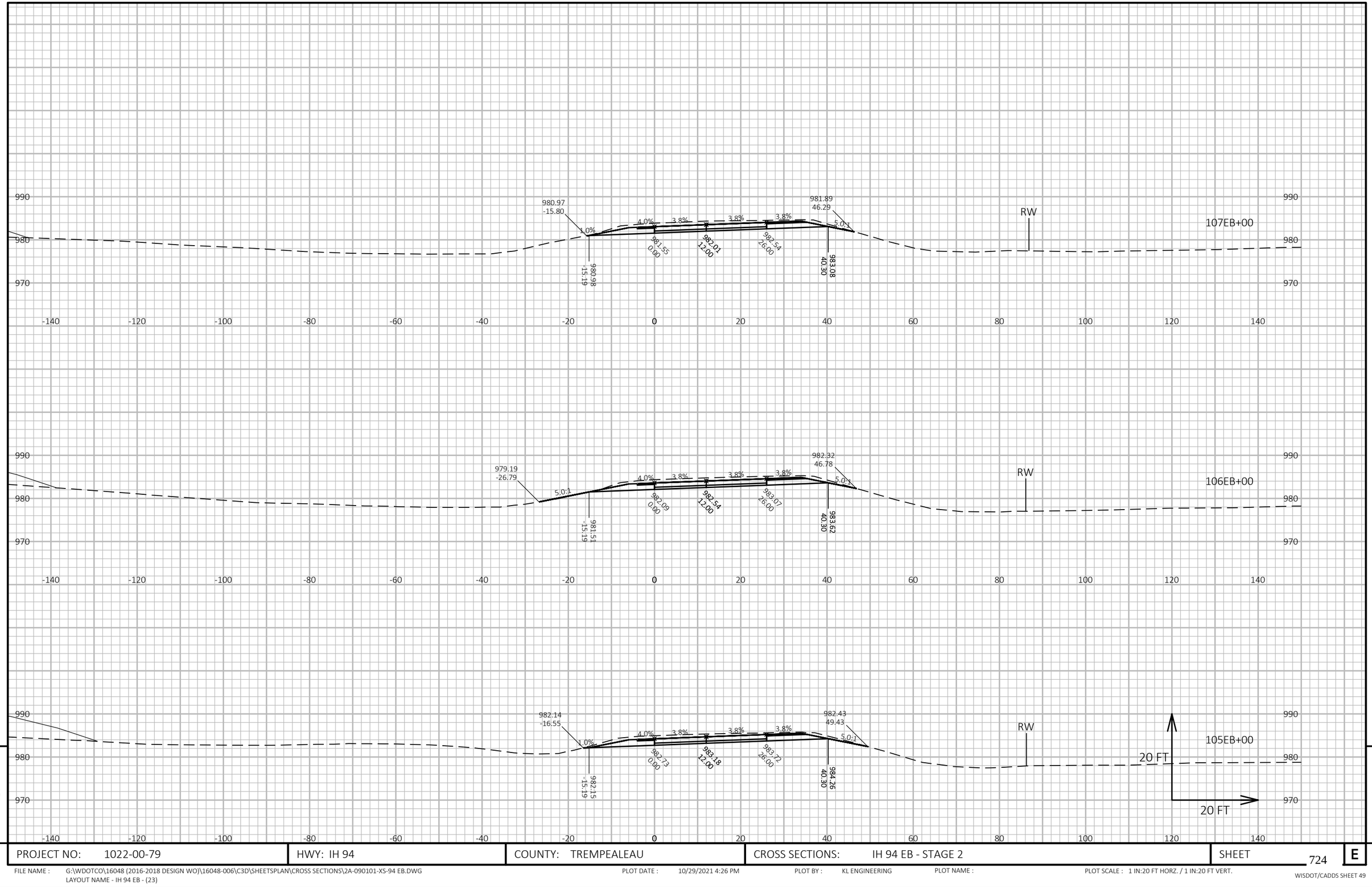
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 723	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (22)

PLOT DATE : 10/29/2021 4:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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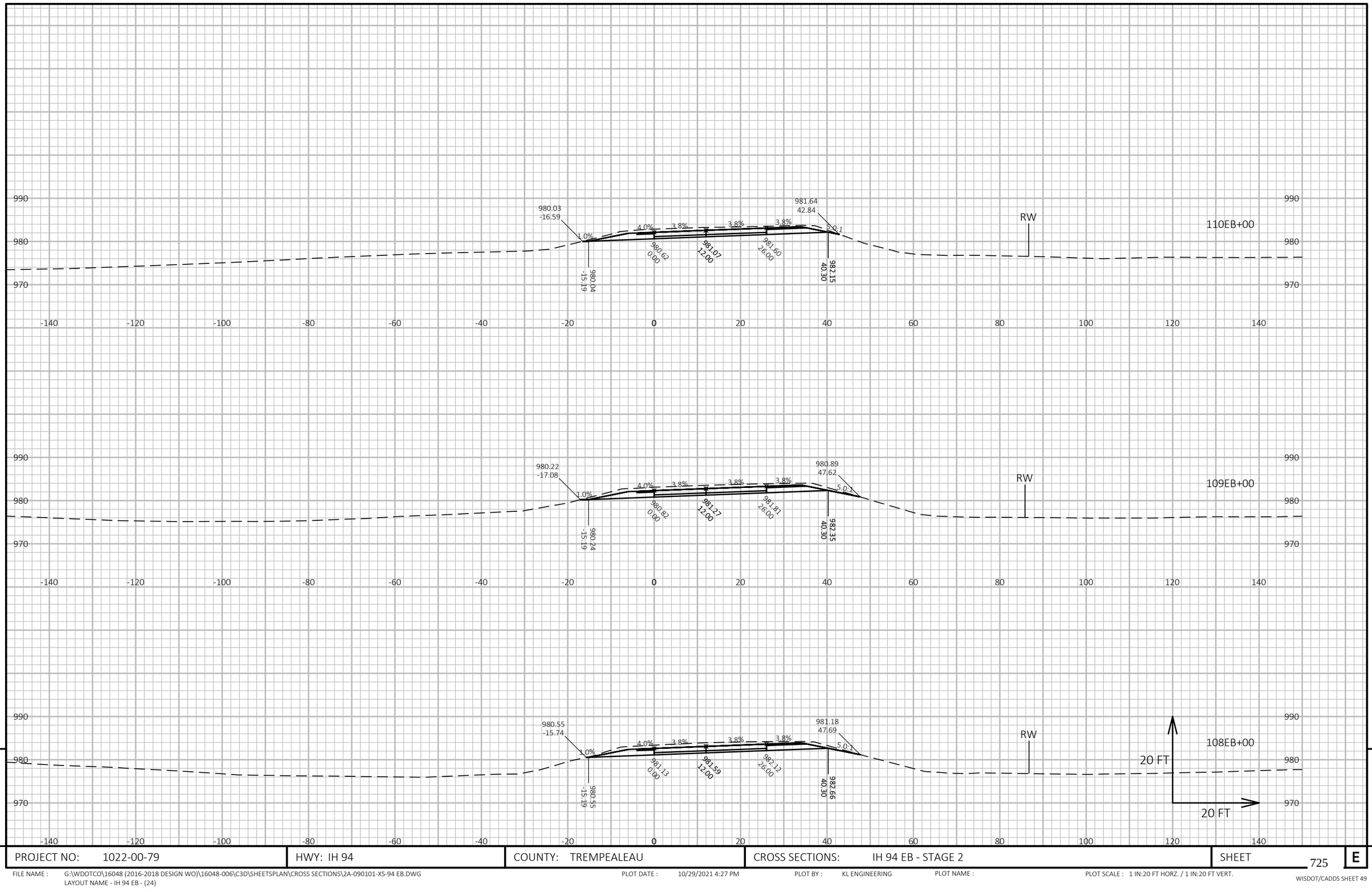
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 724	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (23)

PLOT DATE : 10/29/2021 4:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

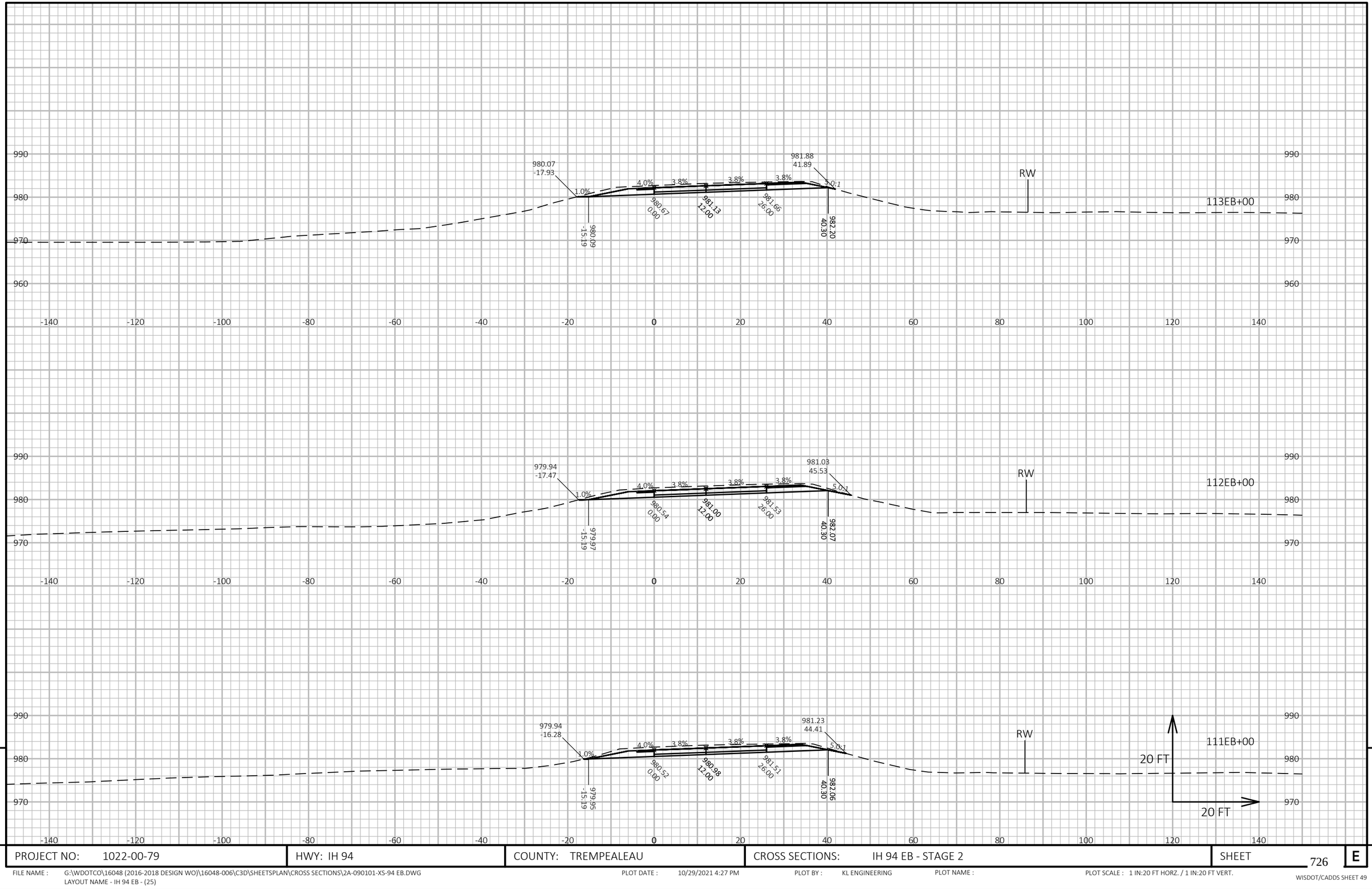


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 725	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (24)

PLOT DATE : 10/29/2021 4:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

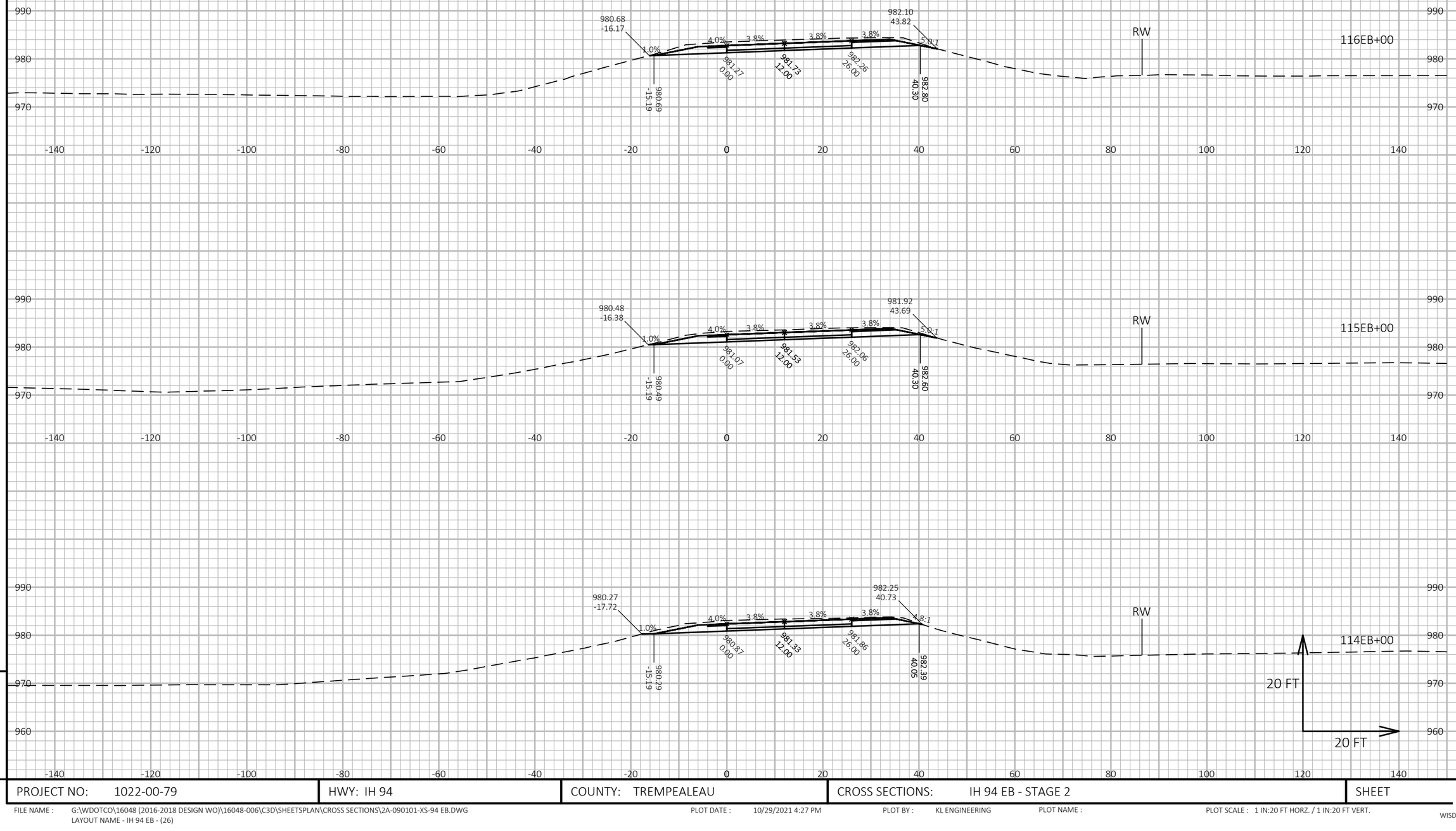


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 726	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (25)

PLOT DATE : 10/29/2021 4:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 727	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (26)

PLOT DATE : 10/29/2021 4:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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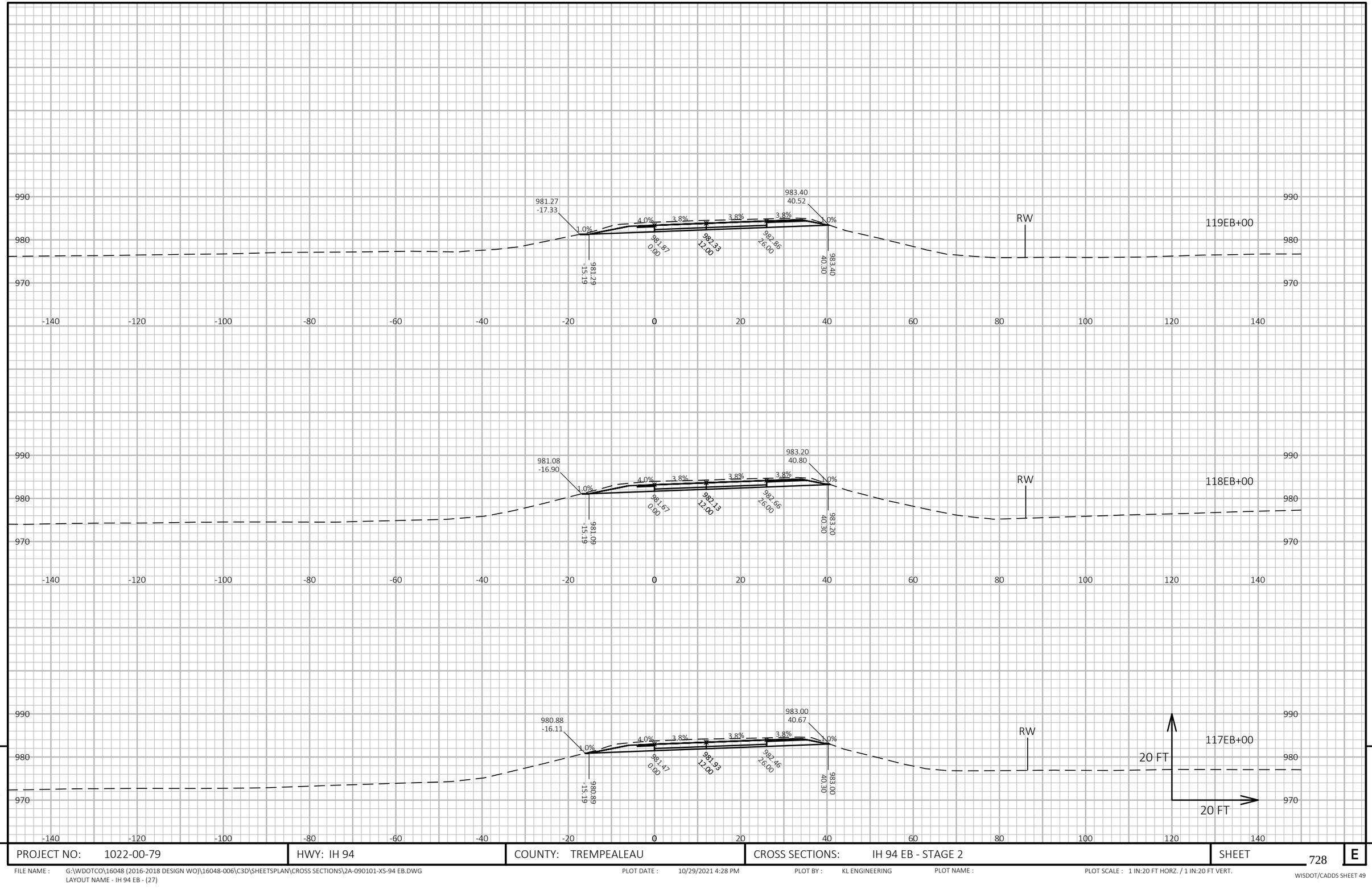
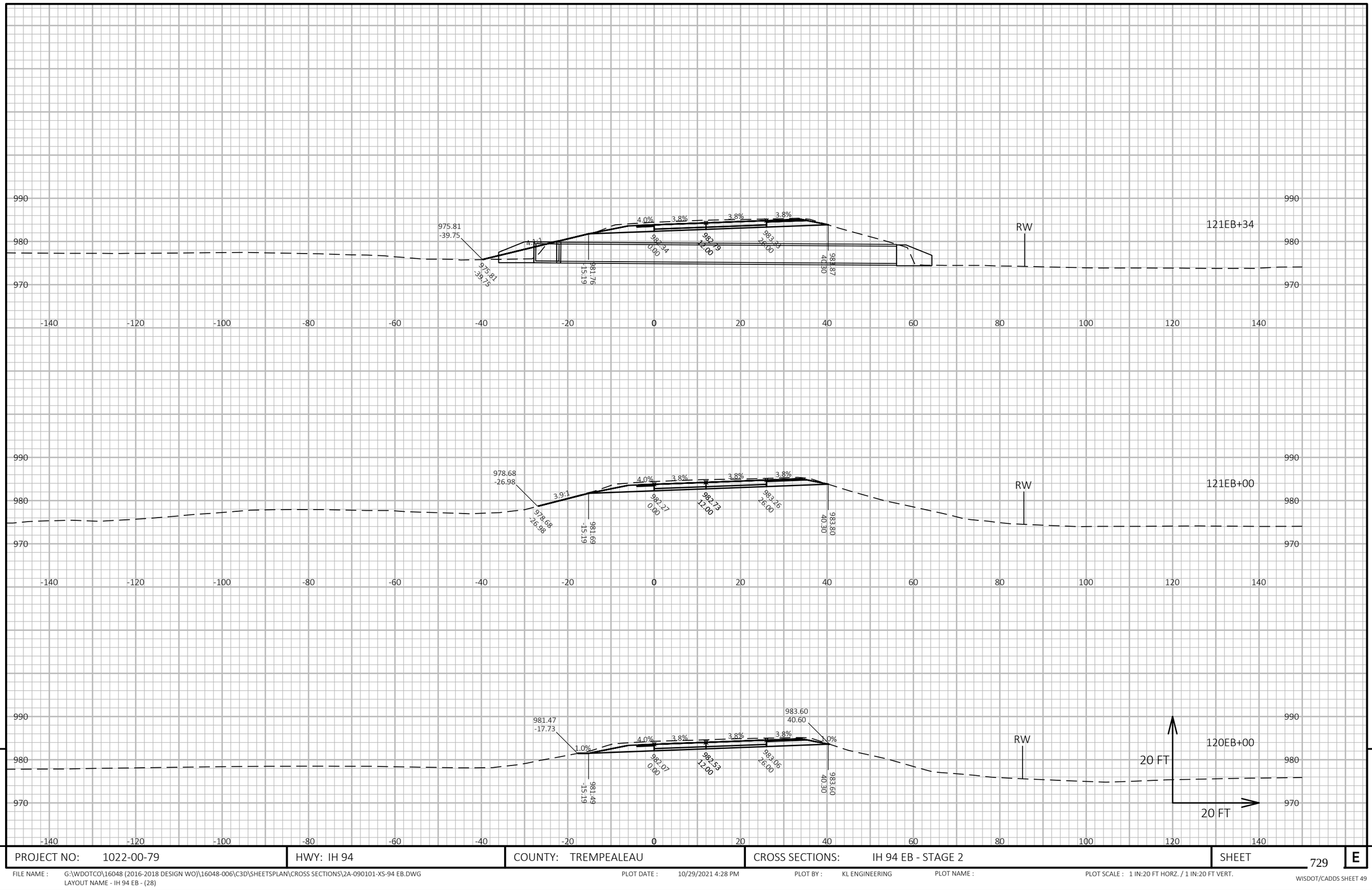


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 728	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (27)

PLOT DATE : 10/29/2021 4:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

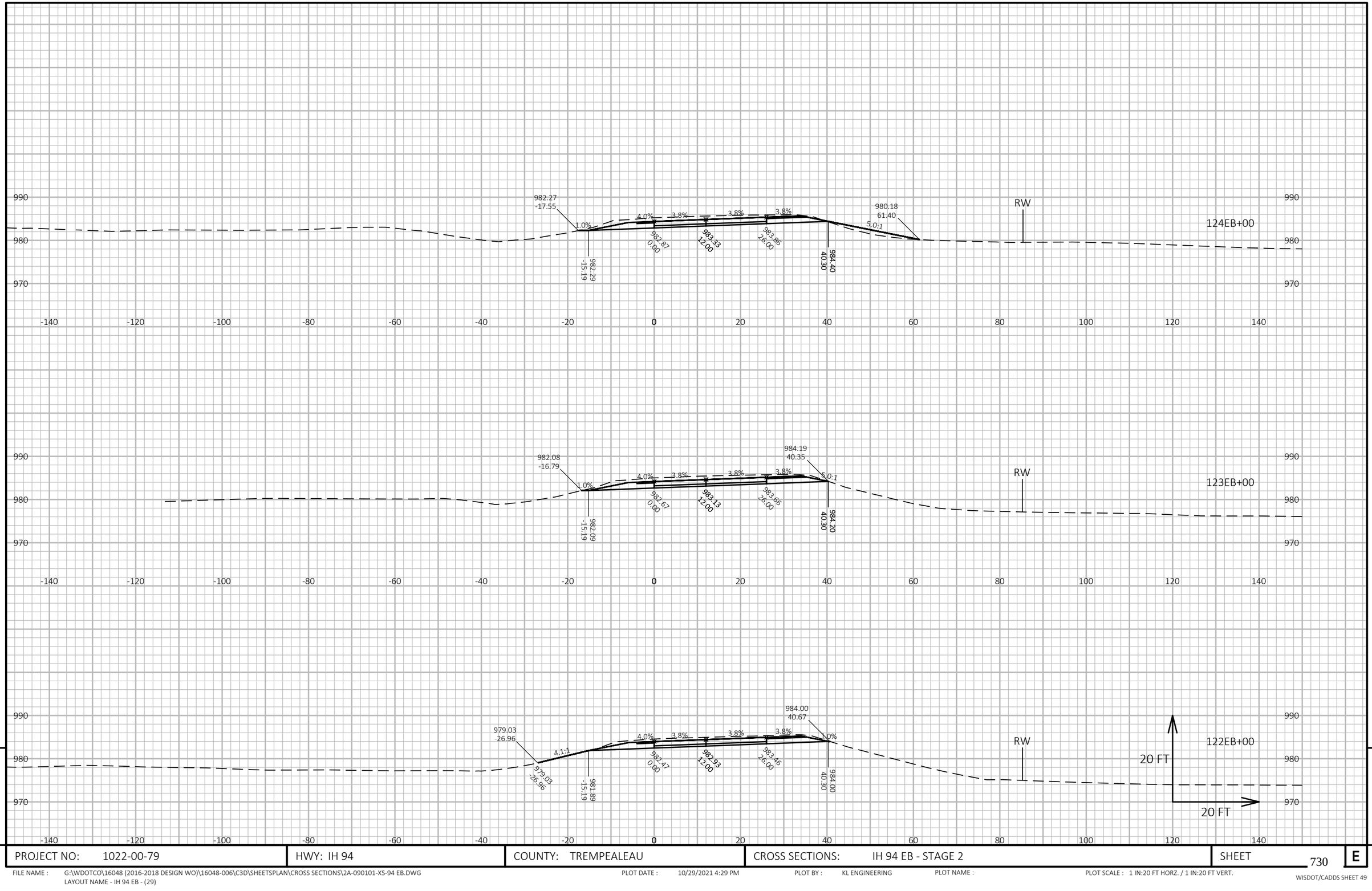


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 729 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (28)

PLOT DATE : 10/29/2021 4:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

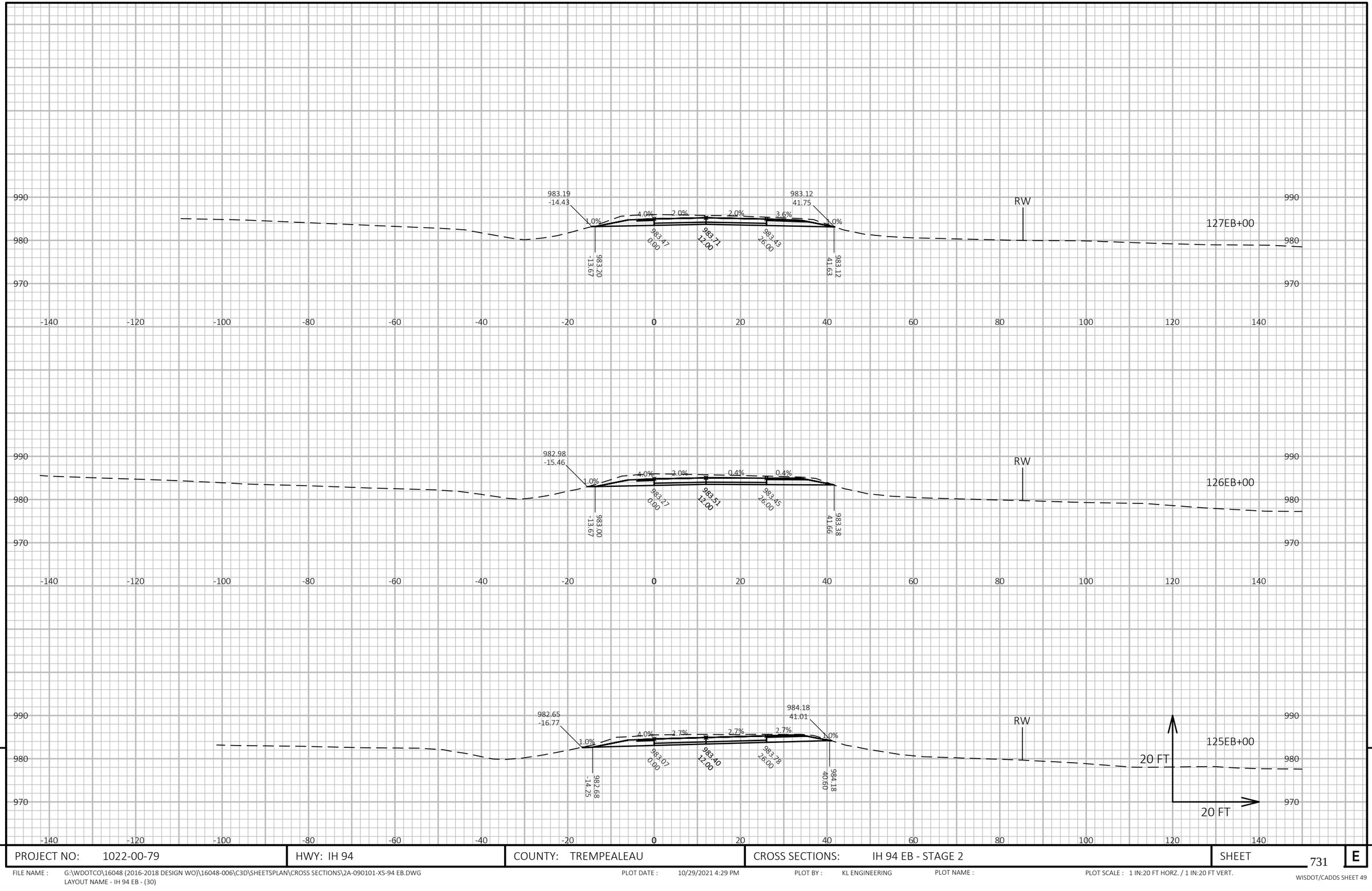


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 730 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (29)

PLOT DATE : 10/29/2021 4:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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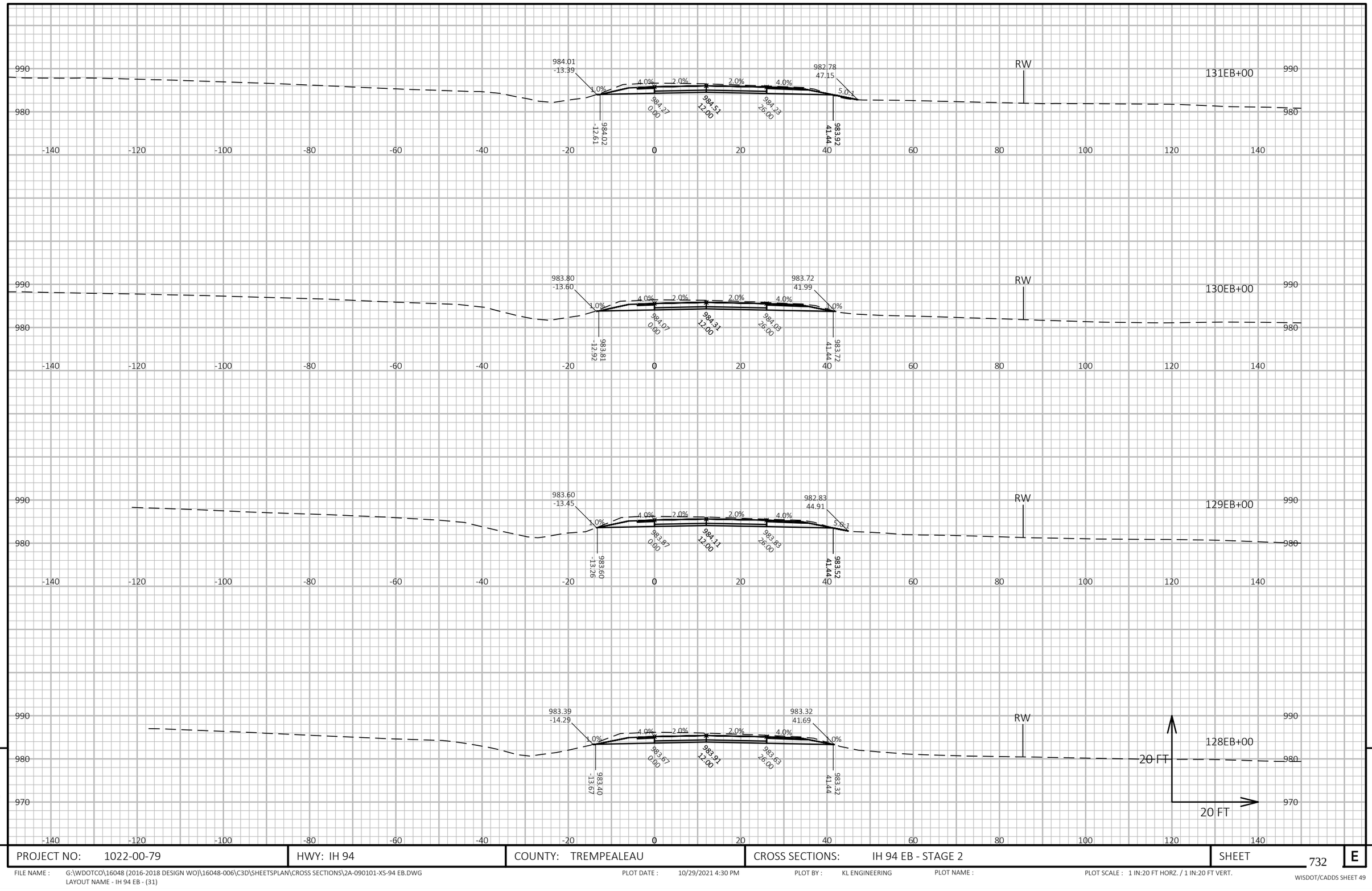
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 731	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (30)

PLOT DATE : 10/29/2021 4:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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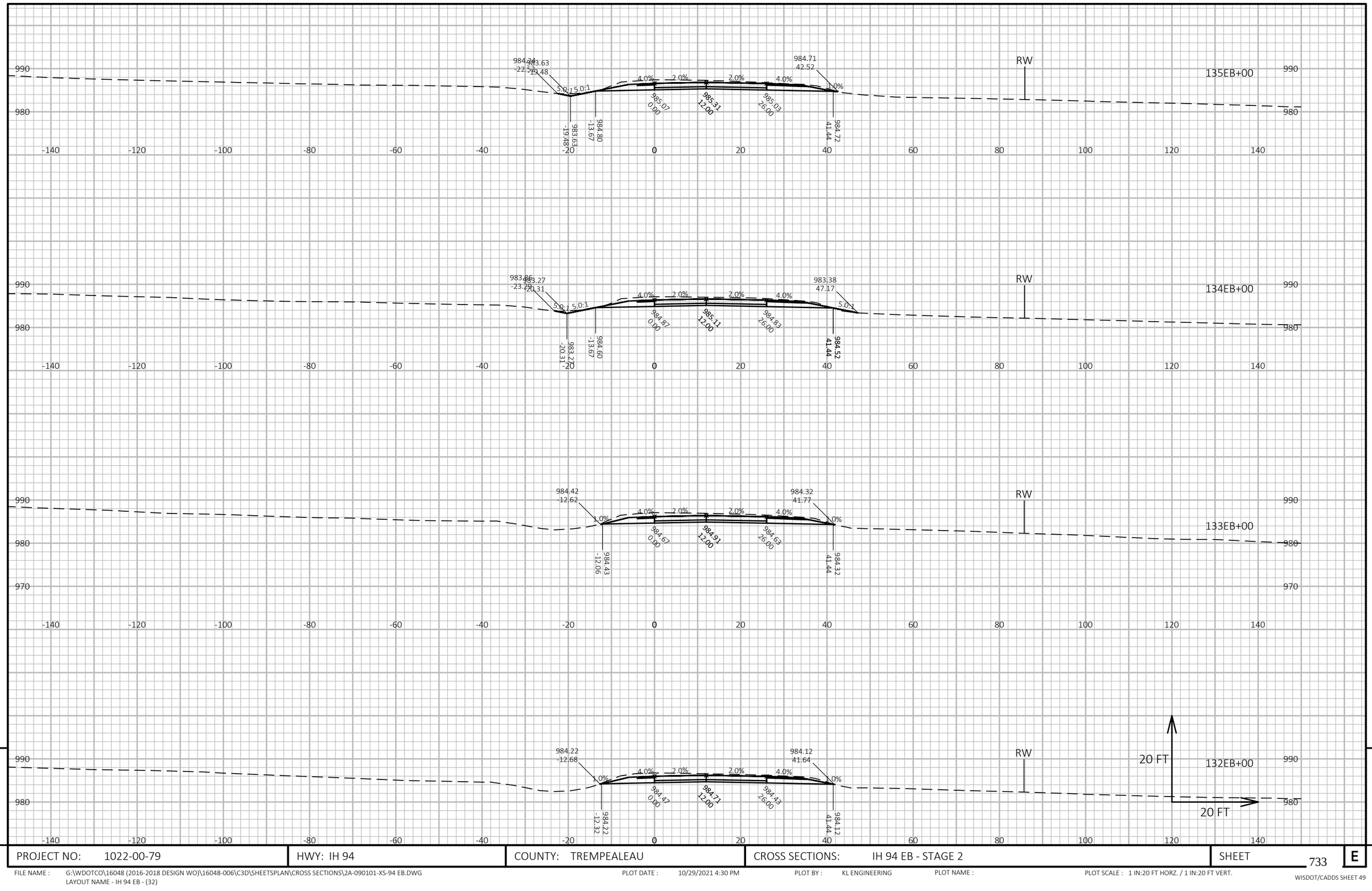
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 732	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (31)

PLOT DATE : 10/29/2021 4:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 733	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (32)

PLOT DATE : 10/29/2021 4:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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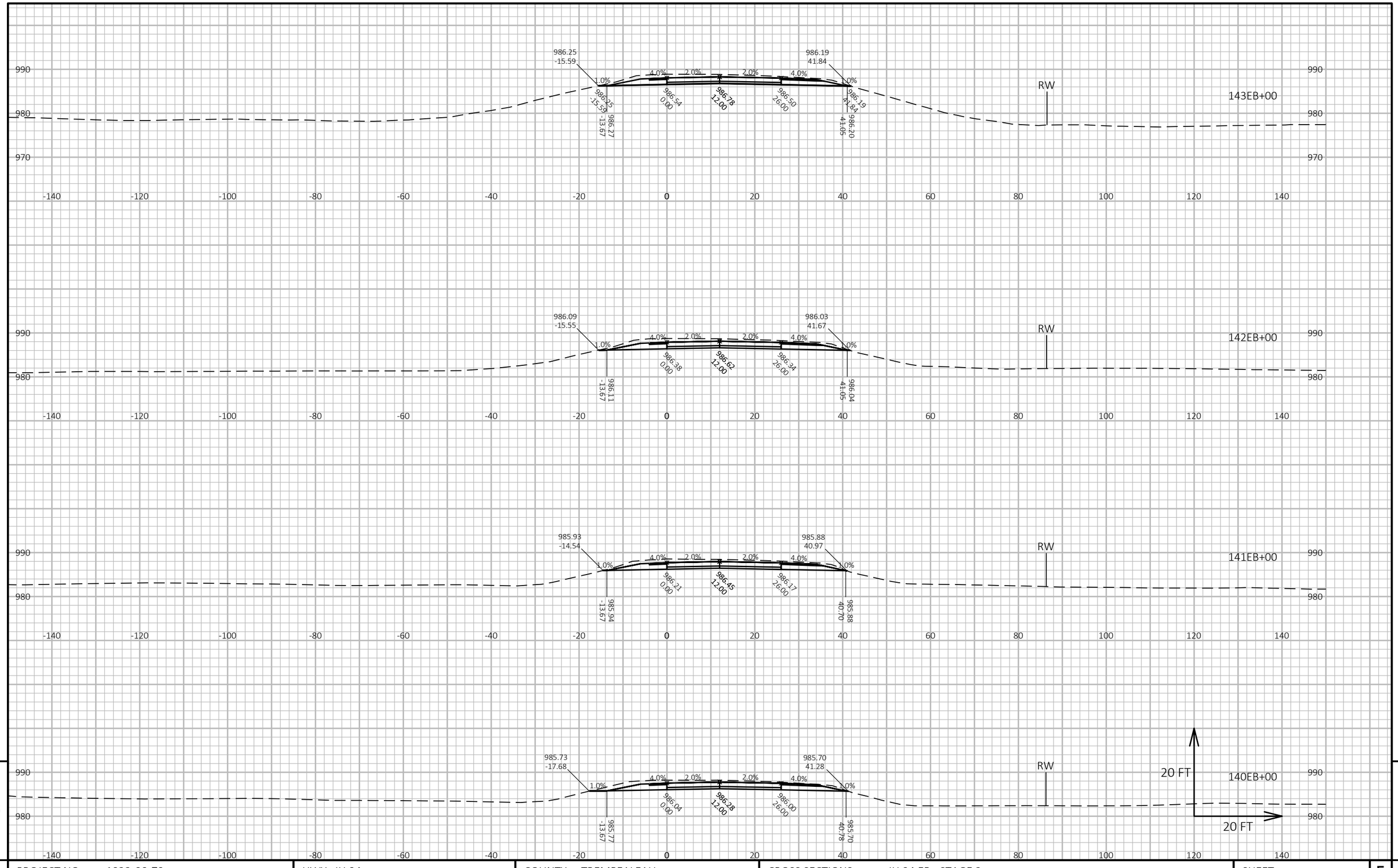
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 734	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (33)

PLOT DATE : 10/29/2021 4:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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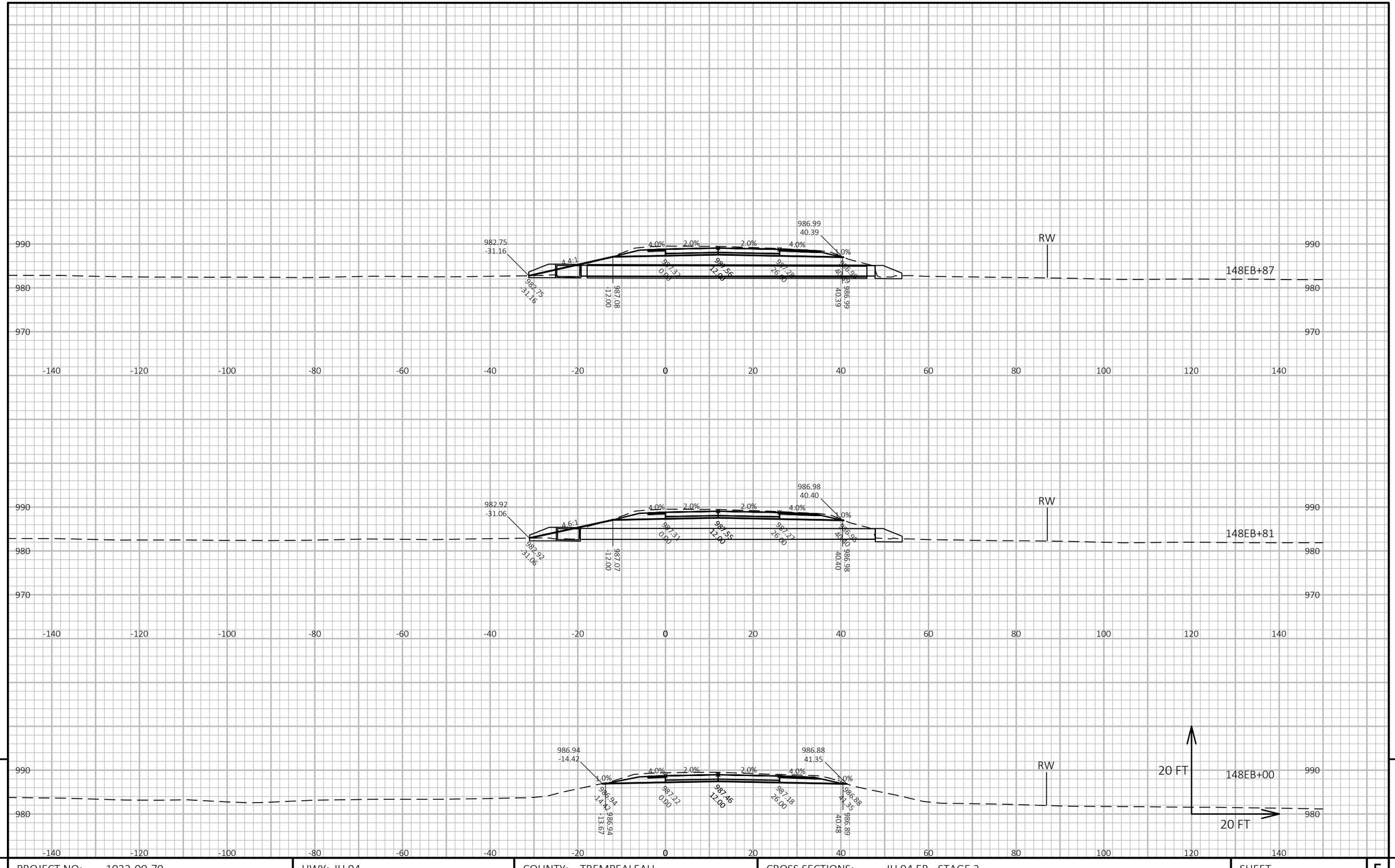
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 735	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (34)

PLOT DATE : 10/29/2021 4:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 736 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (35)
PLOT DATE : 10/29/2021 4:31 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 737	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (36)

PLOT DATE : 10/29/2021 4:32 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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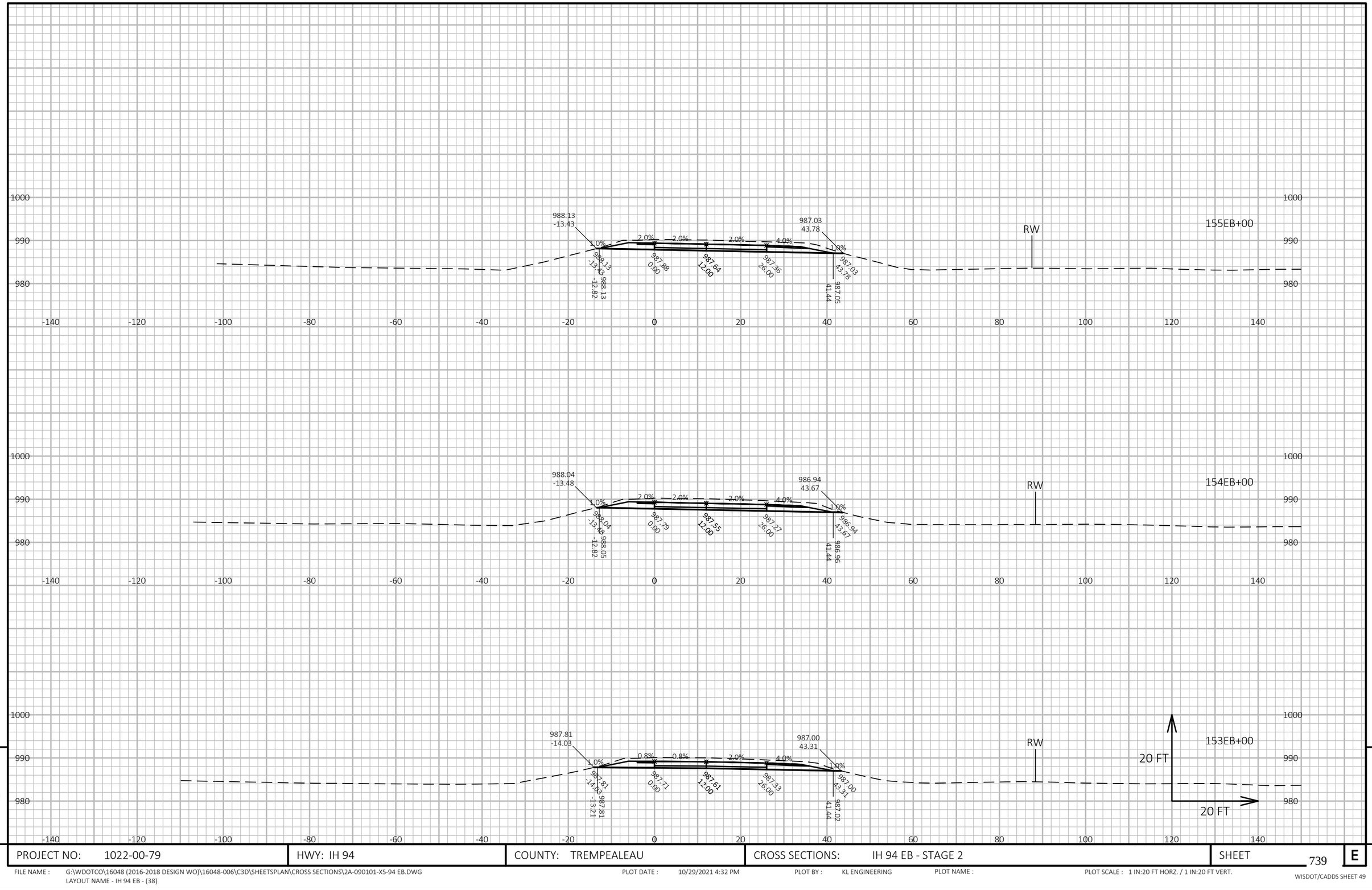
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 738	E

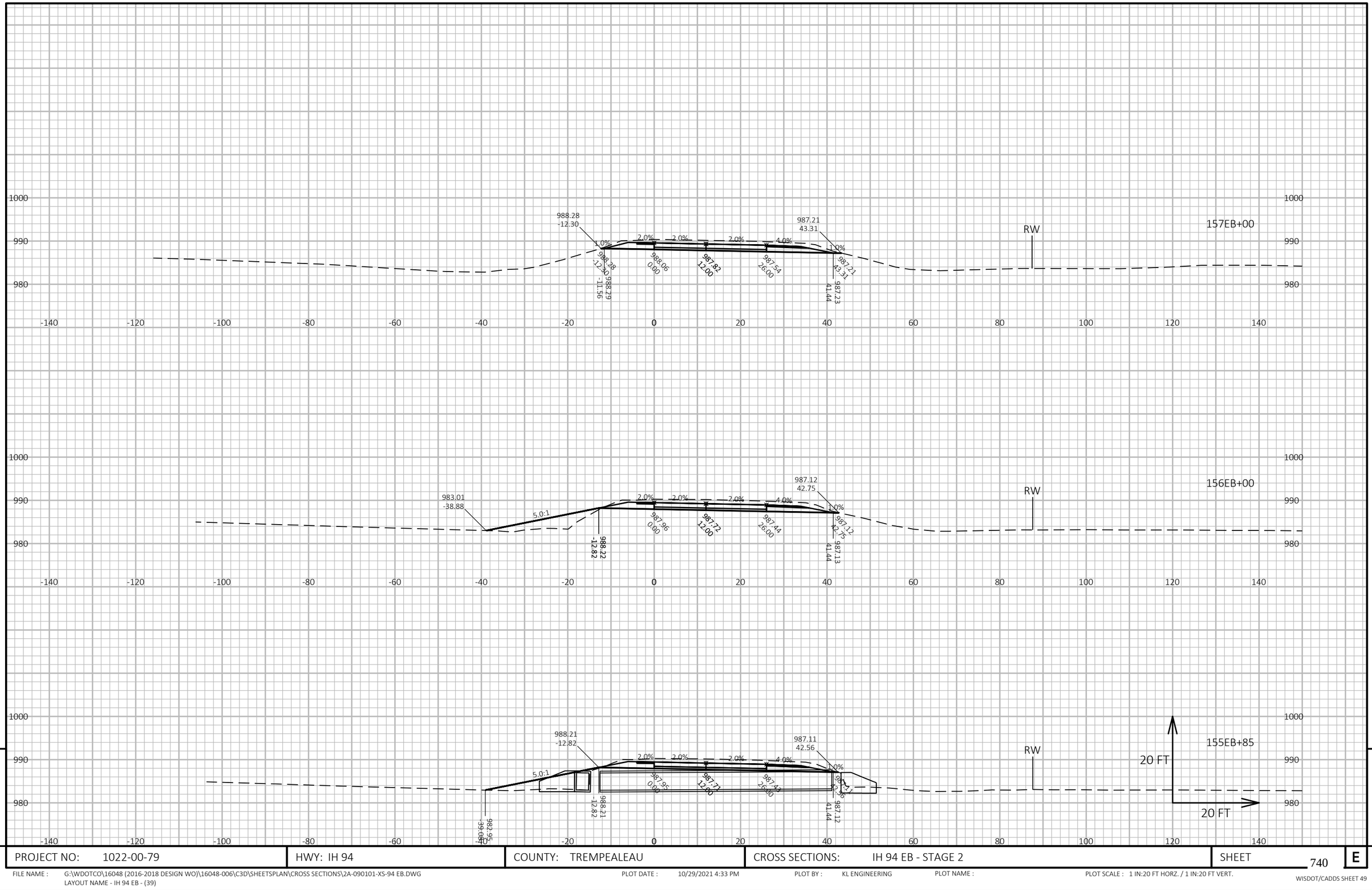
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (37)

PLOT DATE : 10/29/2021 4:32 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 739	E



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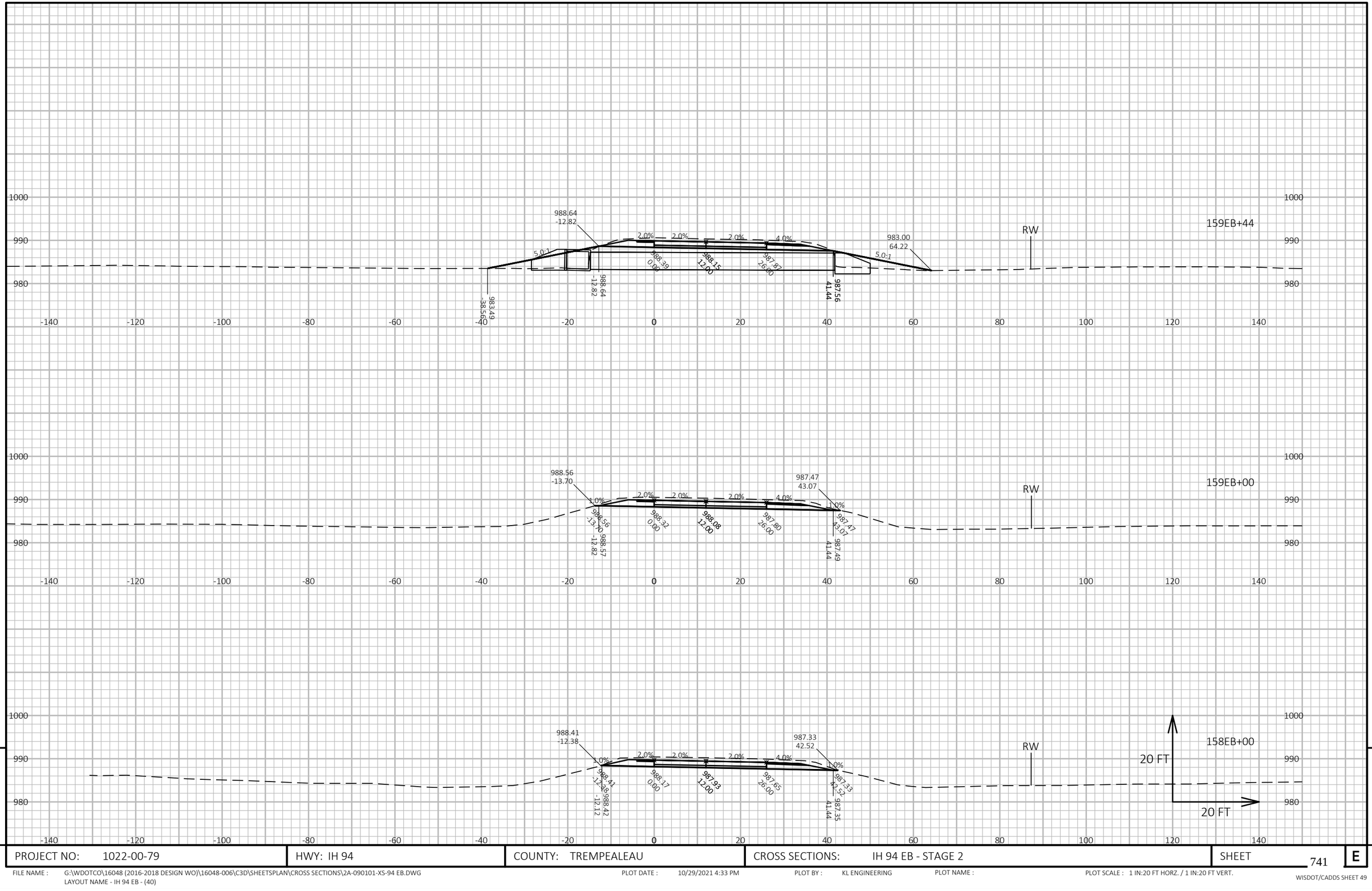
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 740	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (39)

PLOT DATE : 10/29/2021 4:33 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

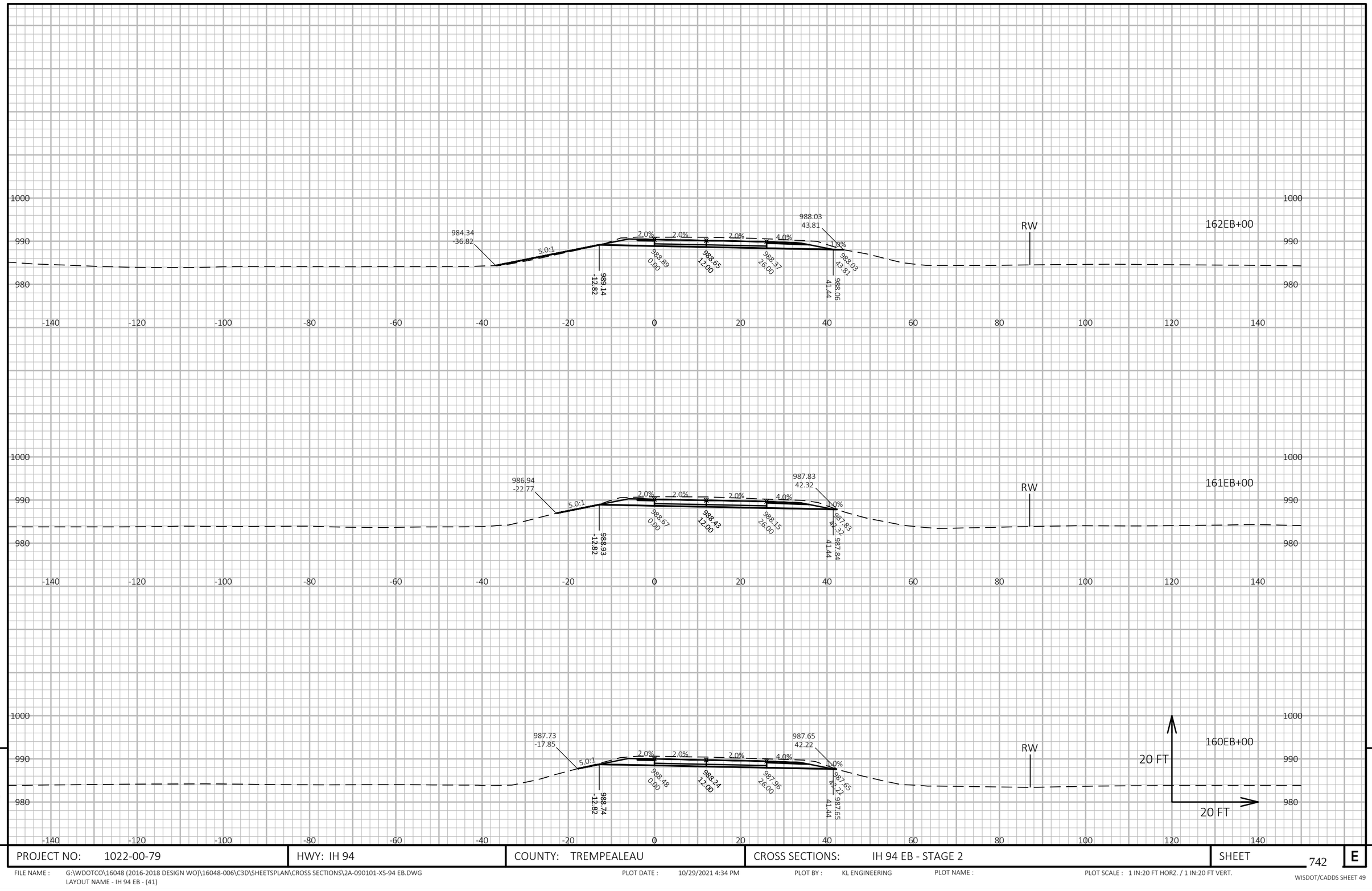


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 741 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (40)

PLOT DATE : 10/29/2021 4:33 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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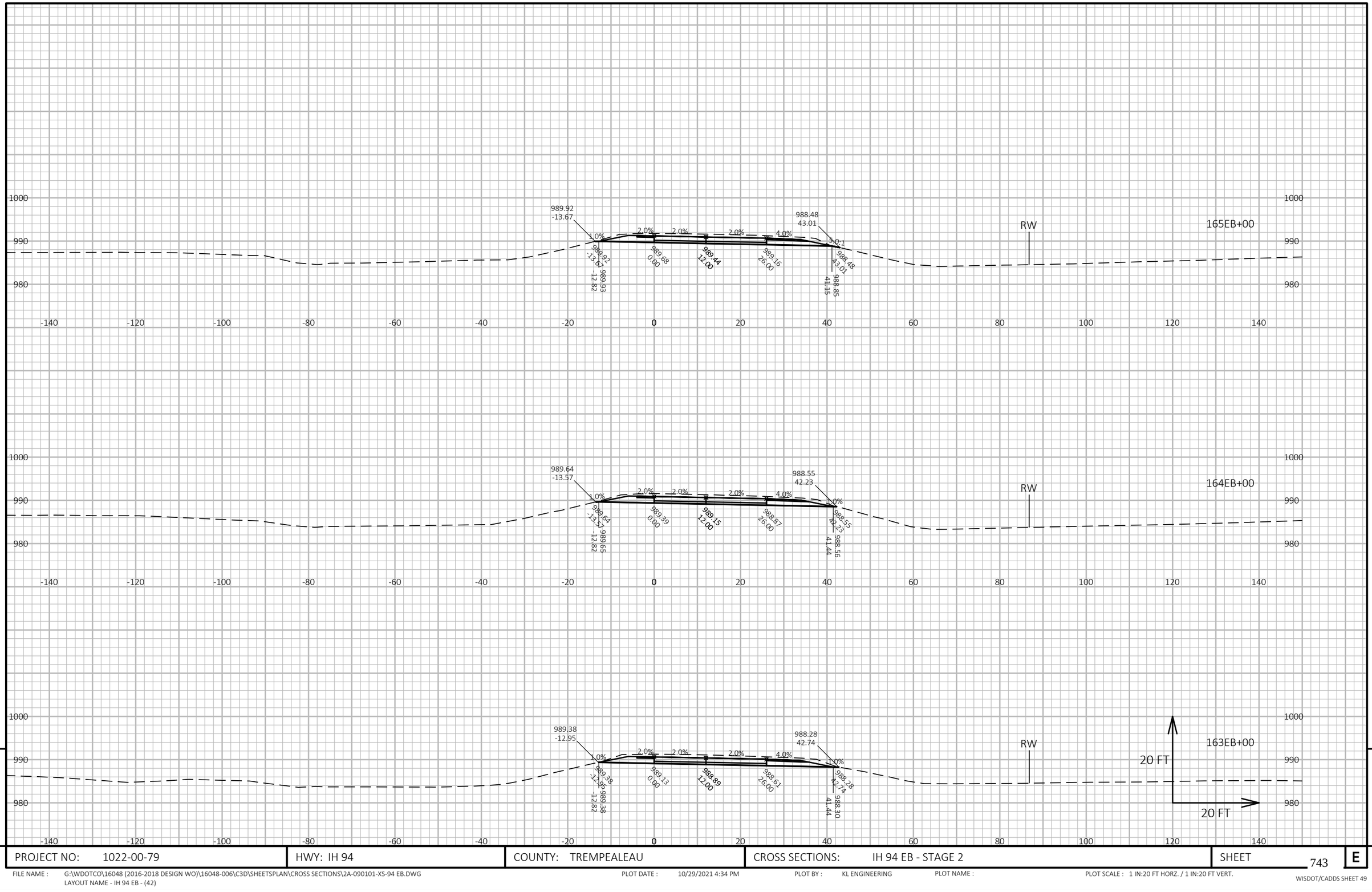
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 742	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (41)

PLOT DATE : 10/29/2021 4:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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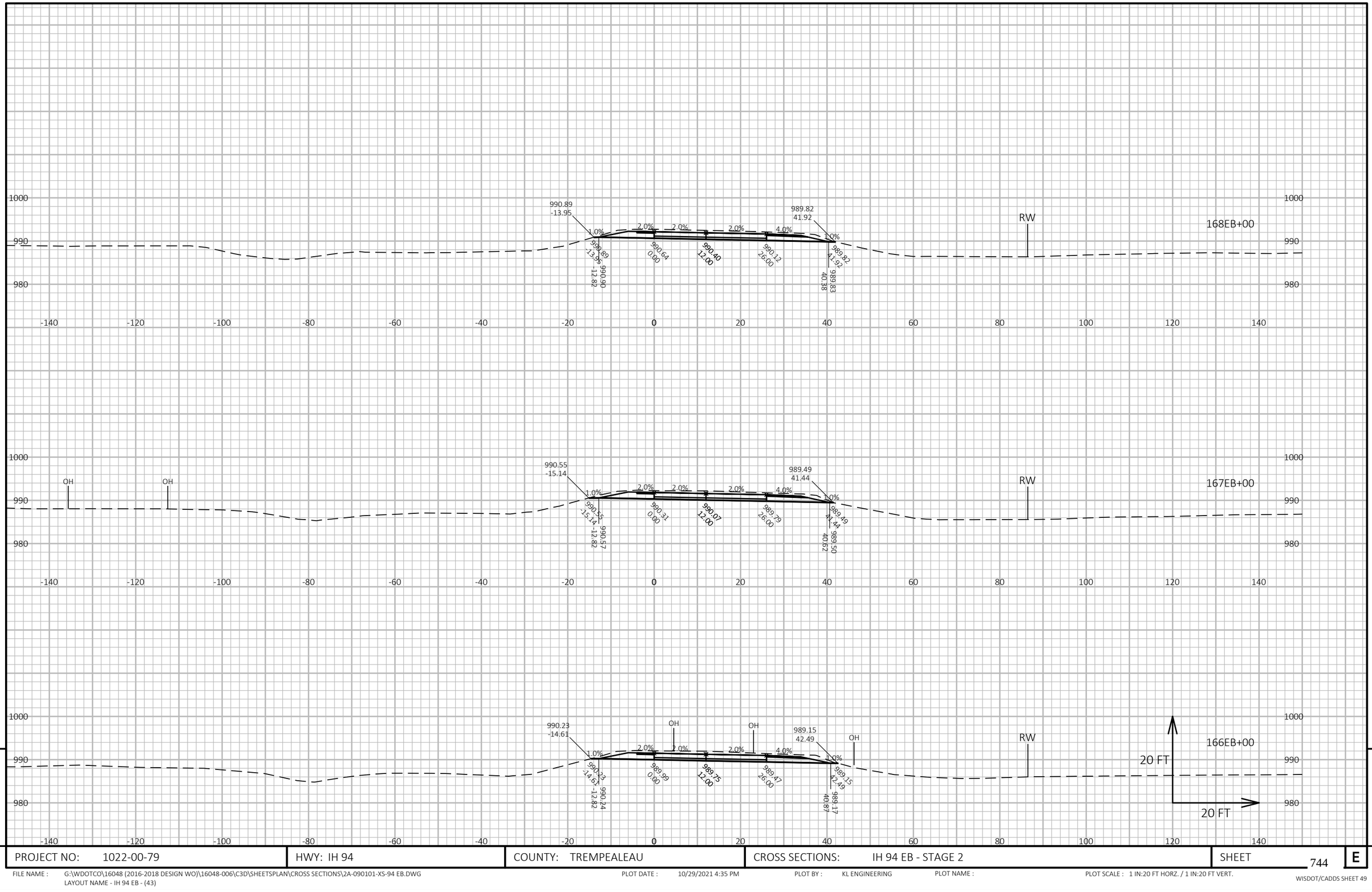
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 743	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (42)

PLOT DATE : 10/29/2021 4:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

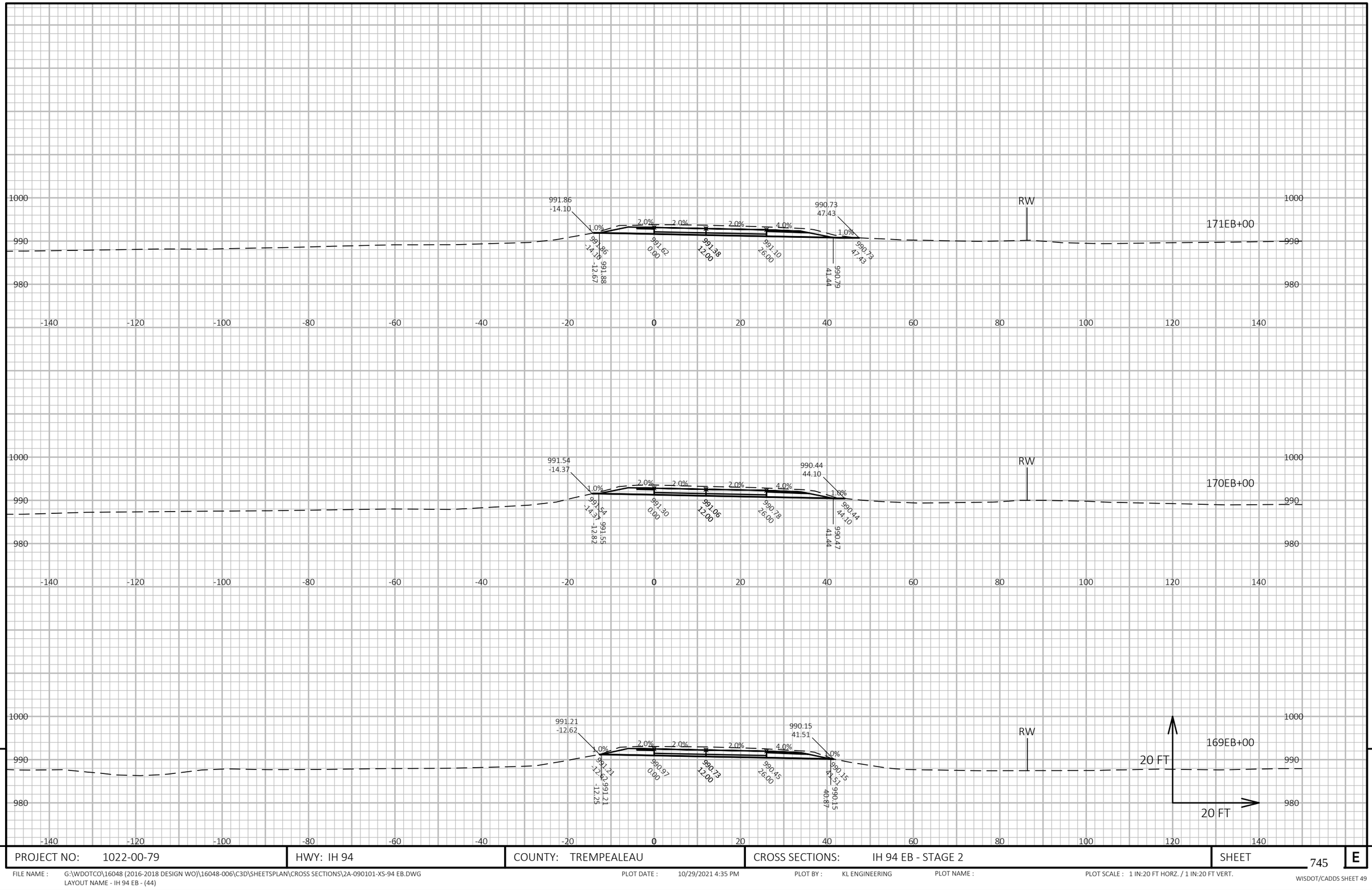


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 744	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (43)

PLOT DATE : 10/29/2021 4:35 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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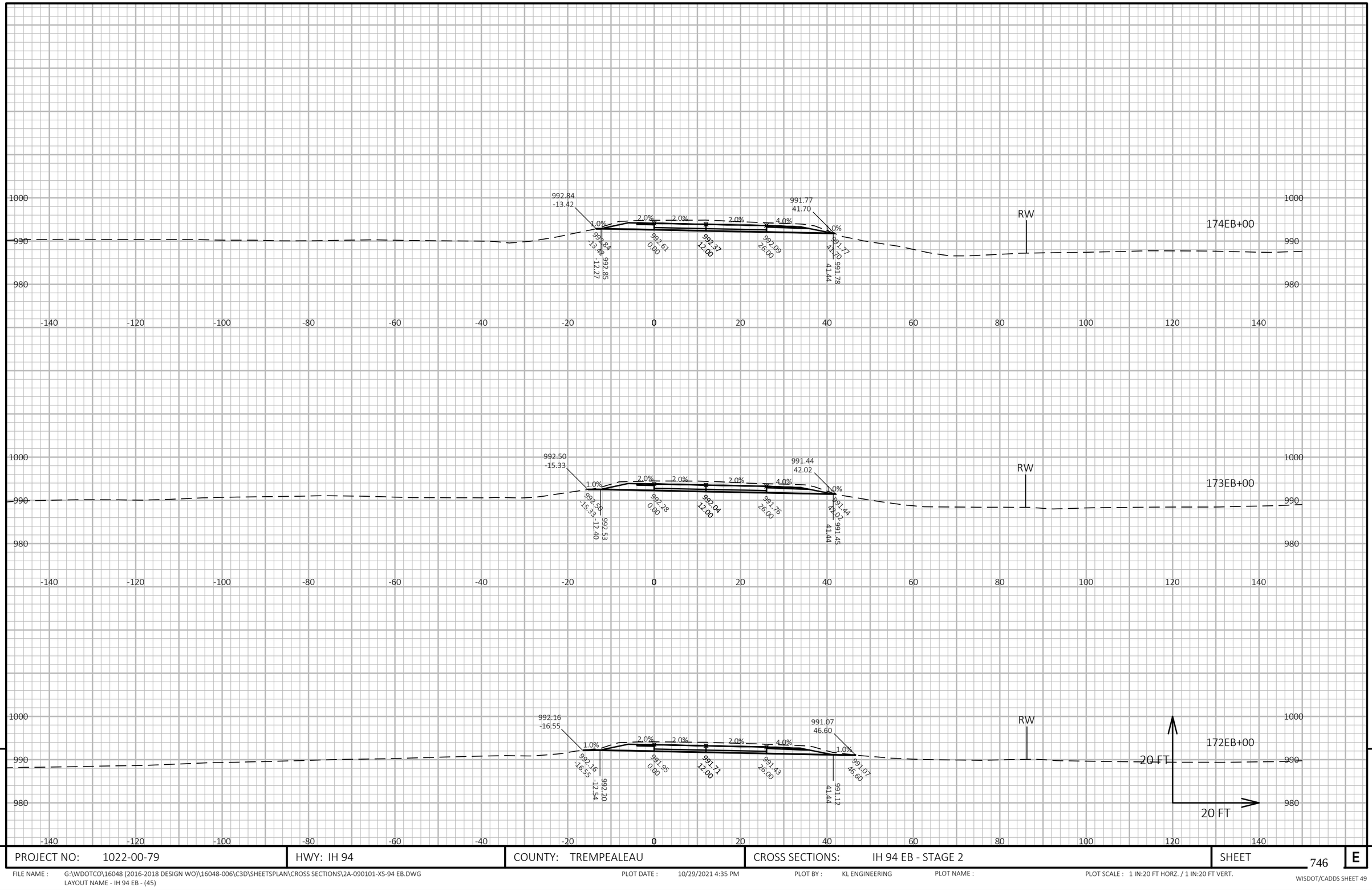
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 745	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (44)

PLOT DATE : 10/29/2021 4:35 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

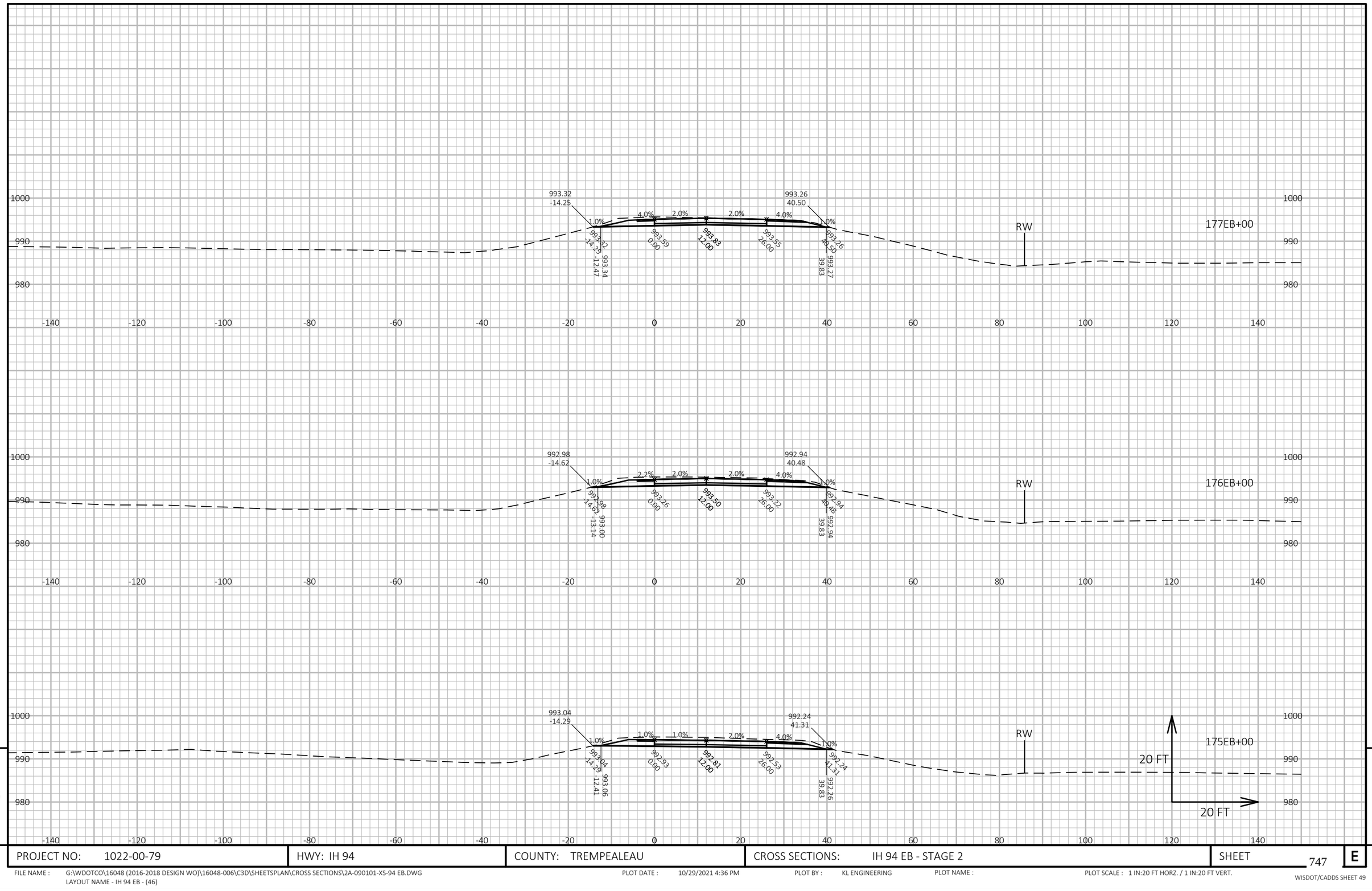


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 746	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (45)

PLOT DATE : 10/29/2021 4:35 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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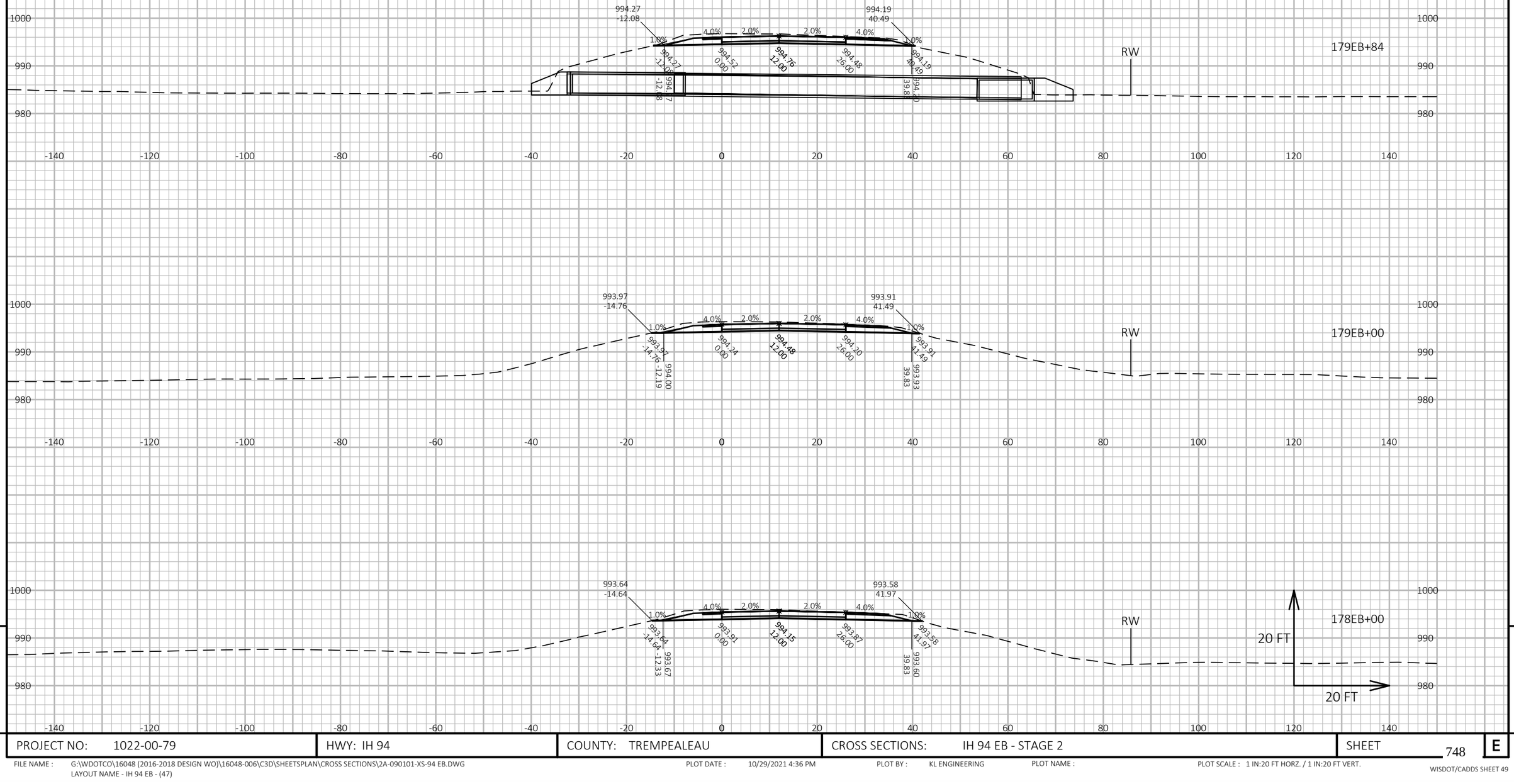
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 747	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (46)

PLOT DATE : 10/29/2021 4:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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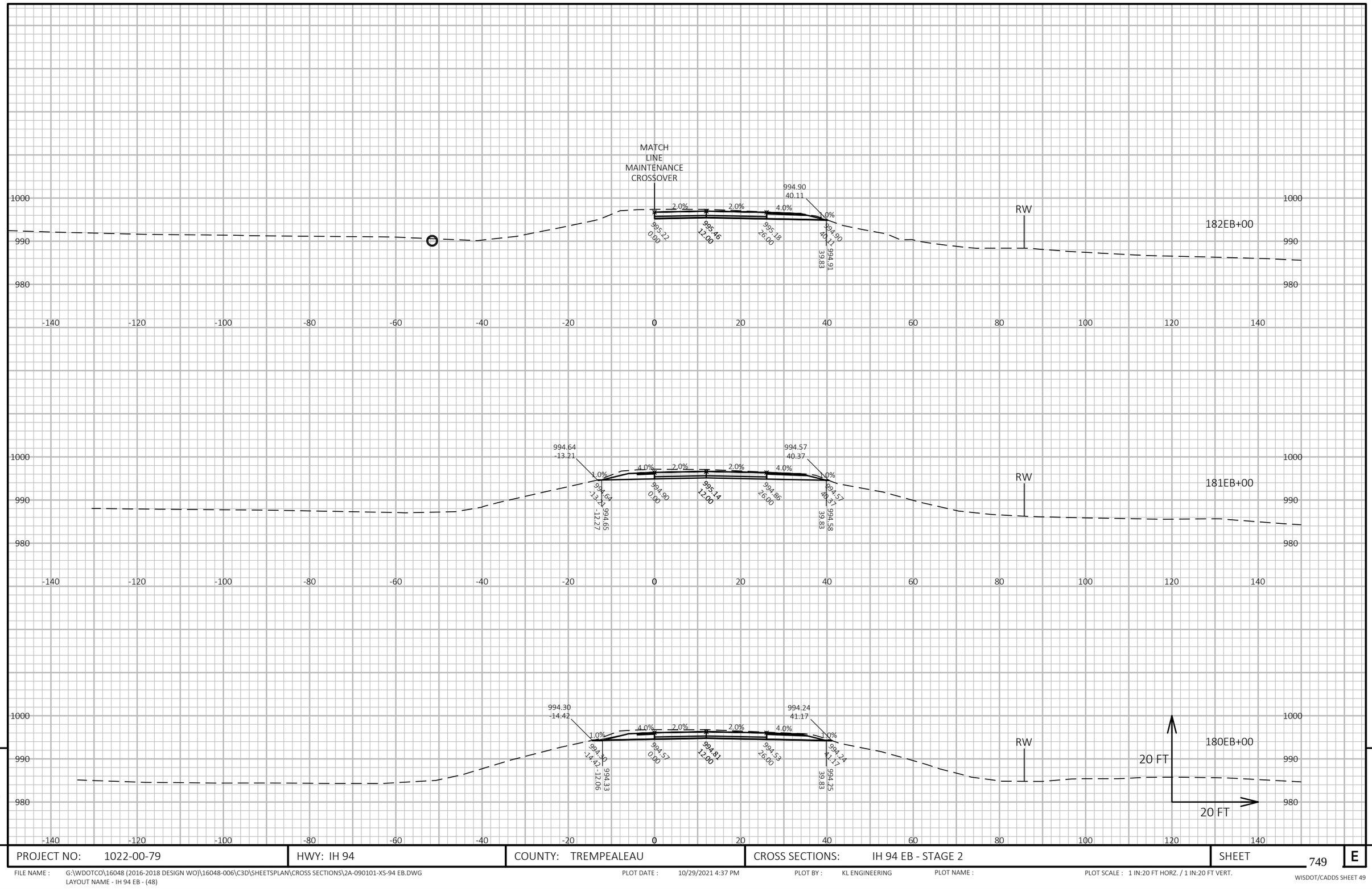
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 748	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (47)

PLOT DATE : 10/29/2021 4:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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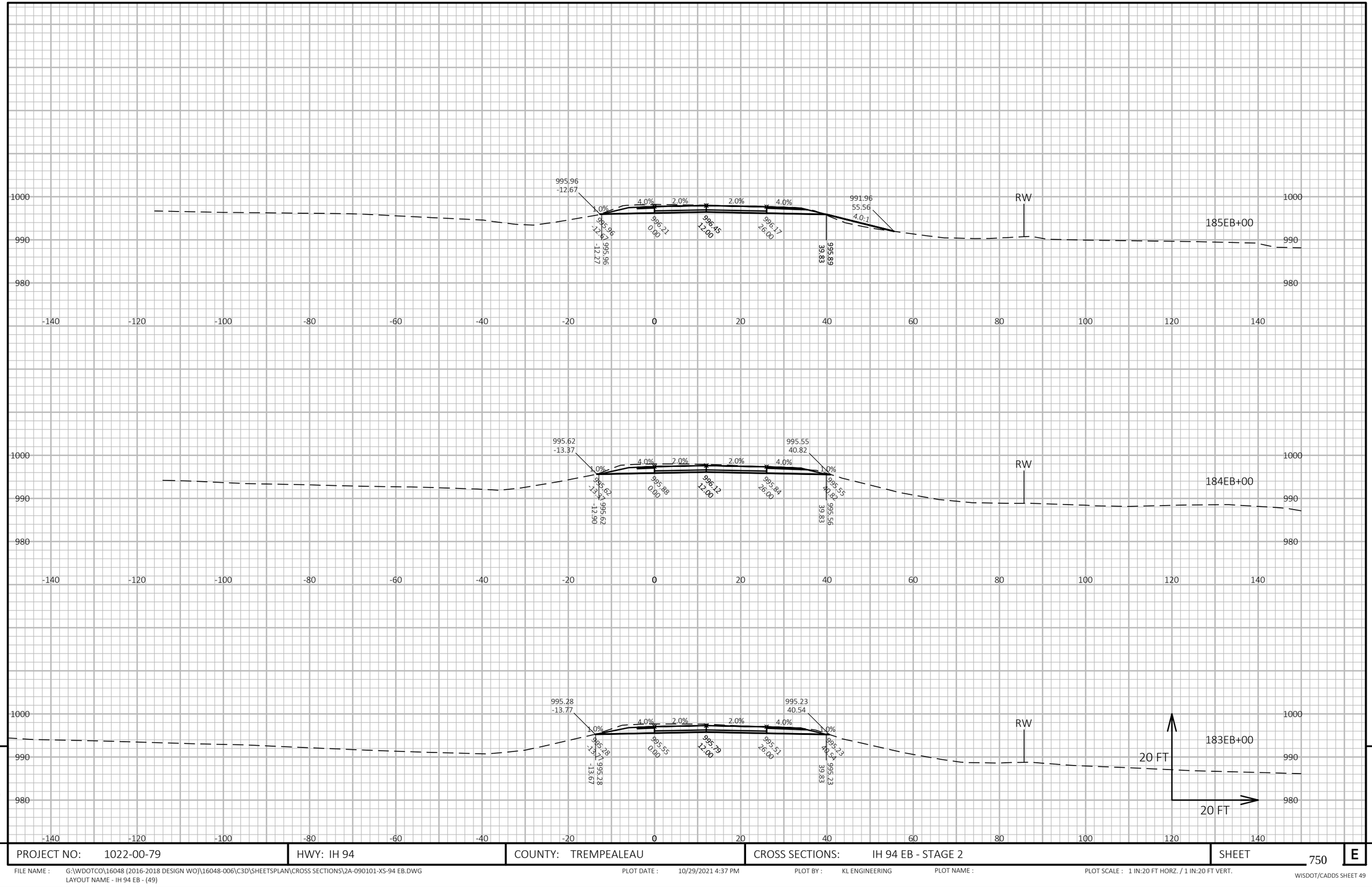
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 749	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (48)

PLOT DATE : 10/29/2021 4:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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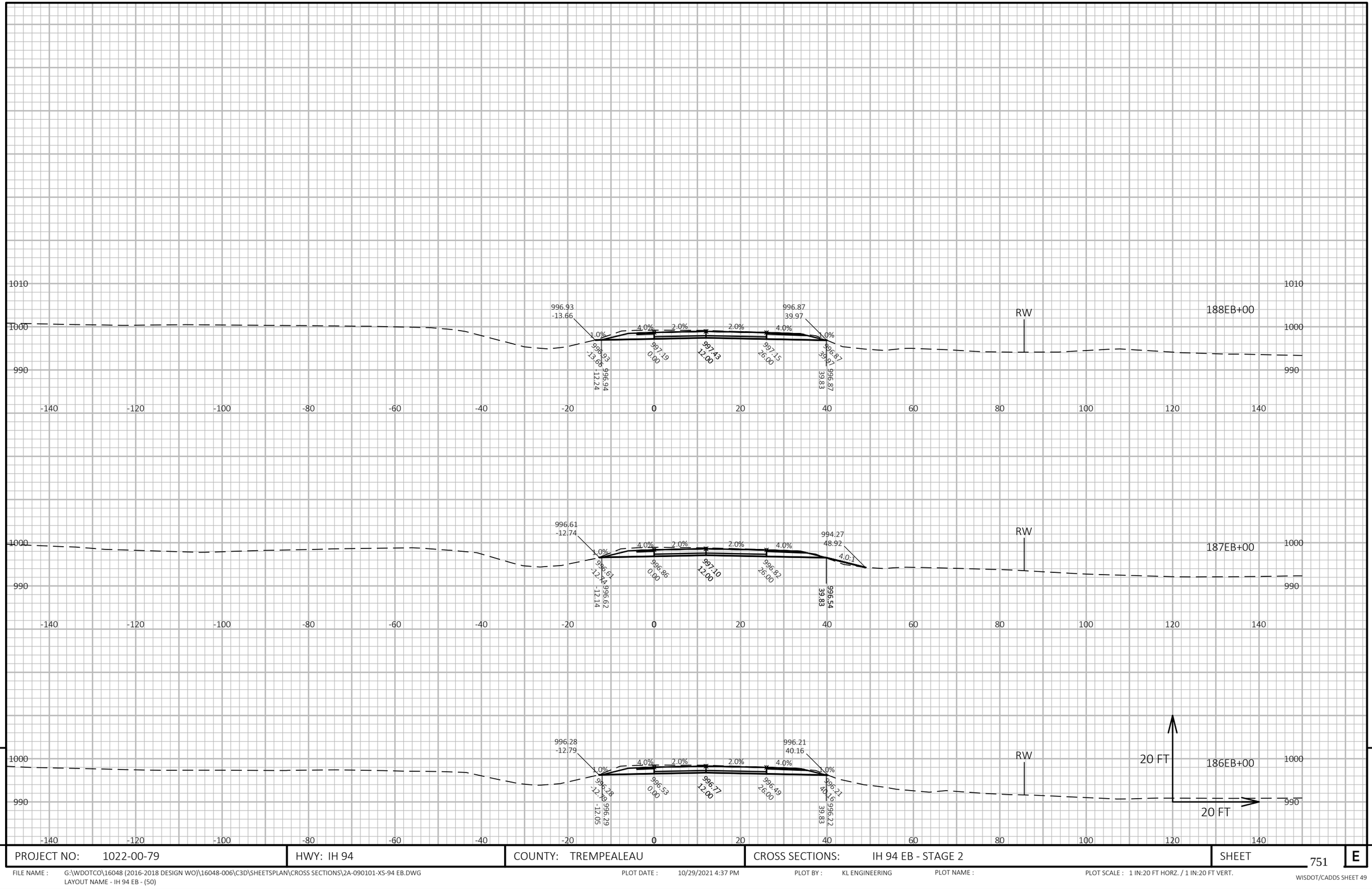
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 750	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (49)

PLOT DATE : 10/29/2021 4:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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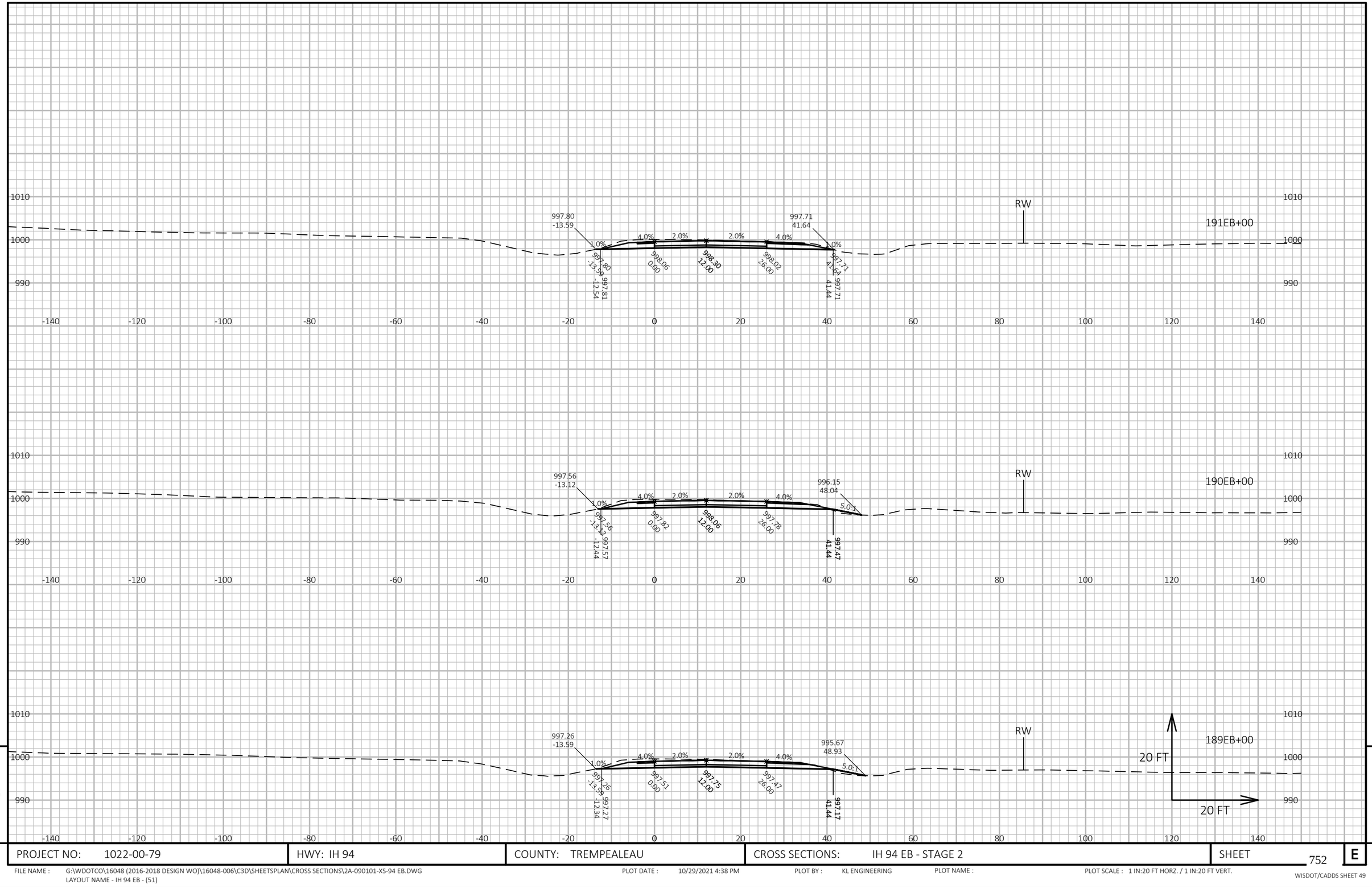
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 751	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (50)

PLOT DATE : 10/29/2021 4:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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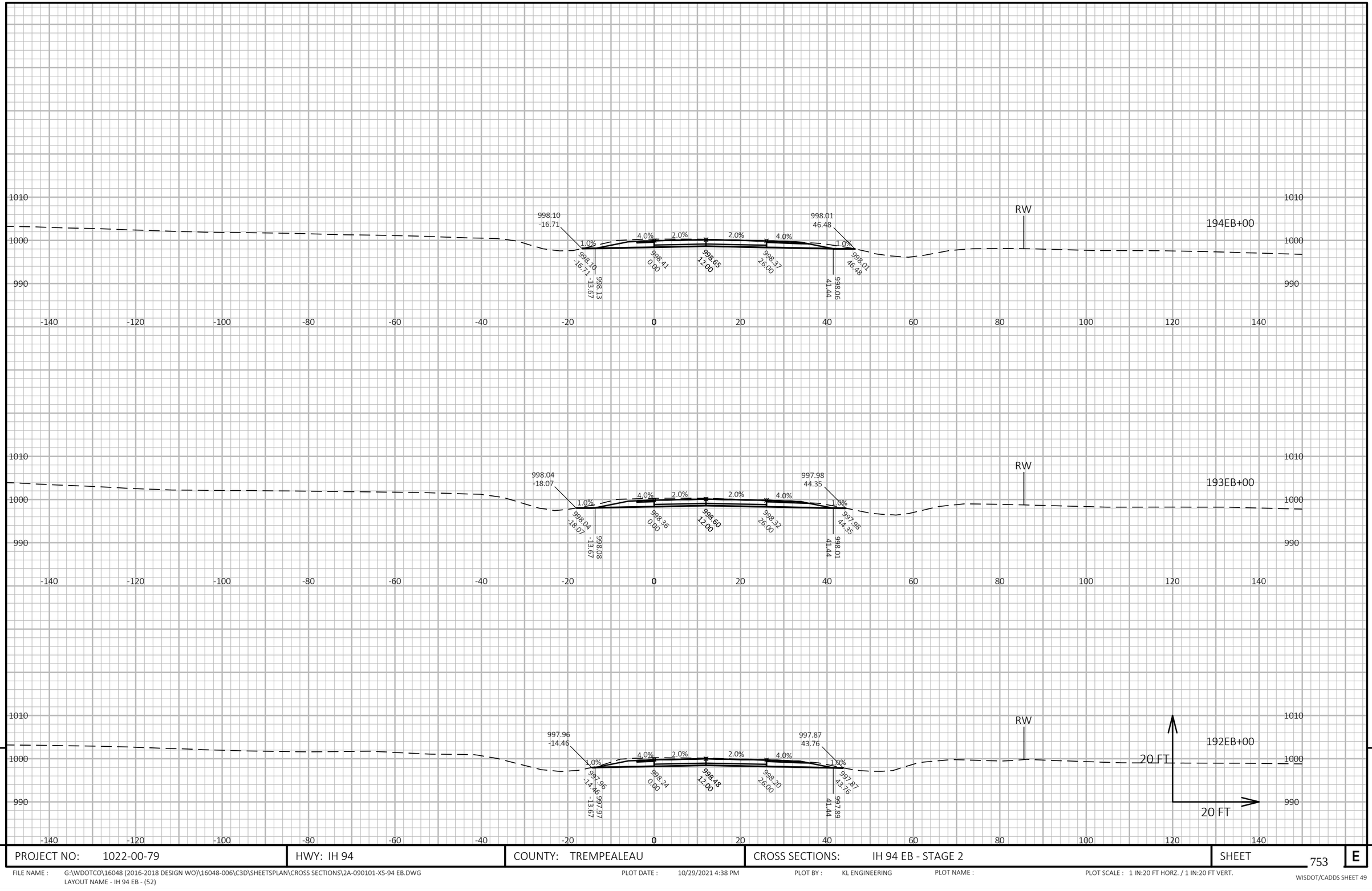
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 752	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (51)

PLOT DATE : 10/29/2021 4:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

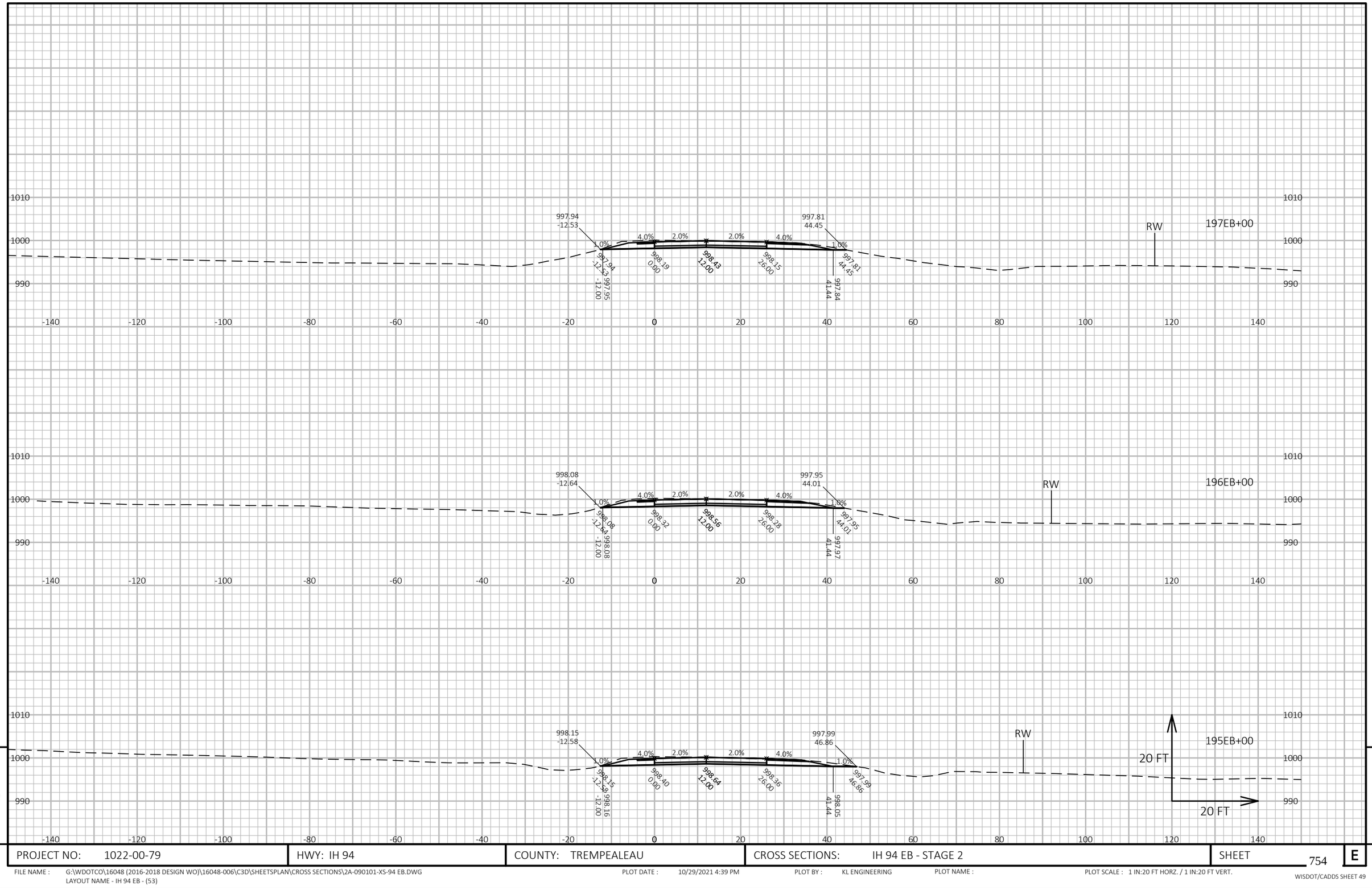


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 753 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (52)

PLOT DATE : 10/29/2021 4:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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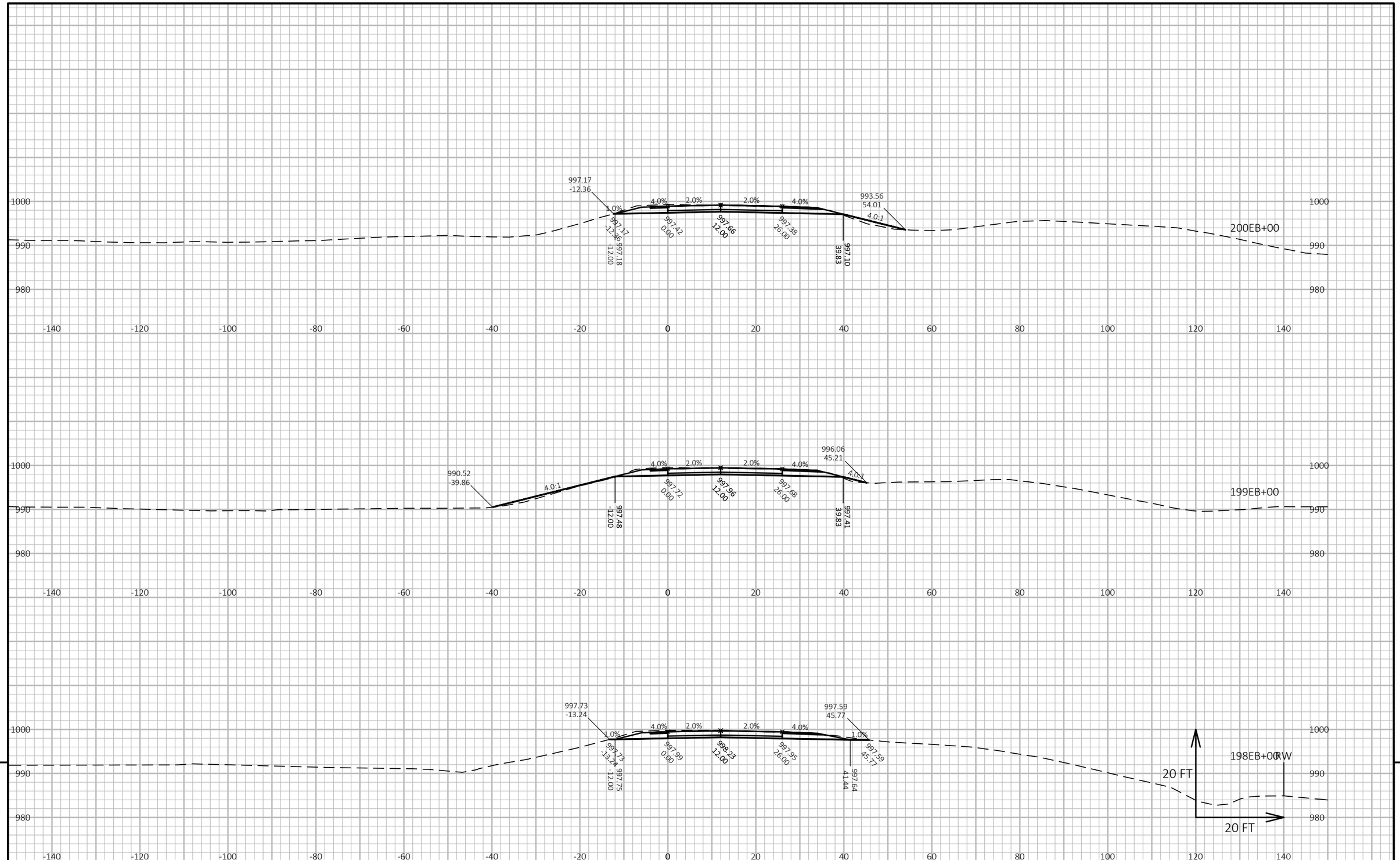
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 754	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (53)

PLOT DATE : 10/29/2021 4:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

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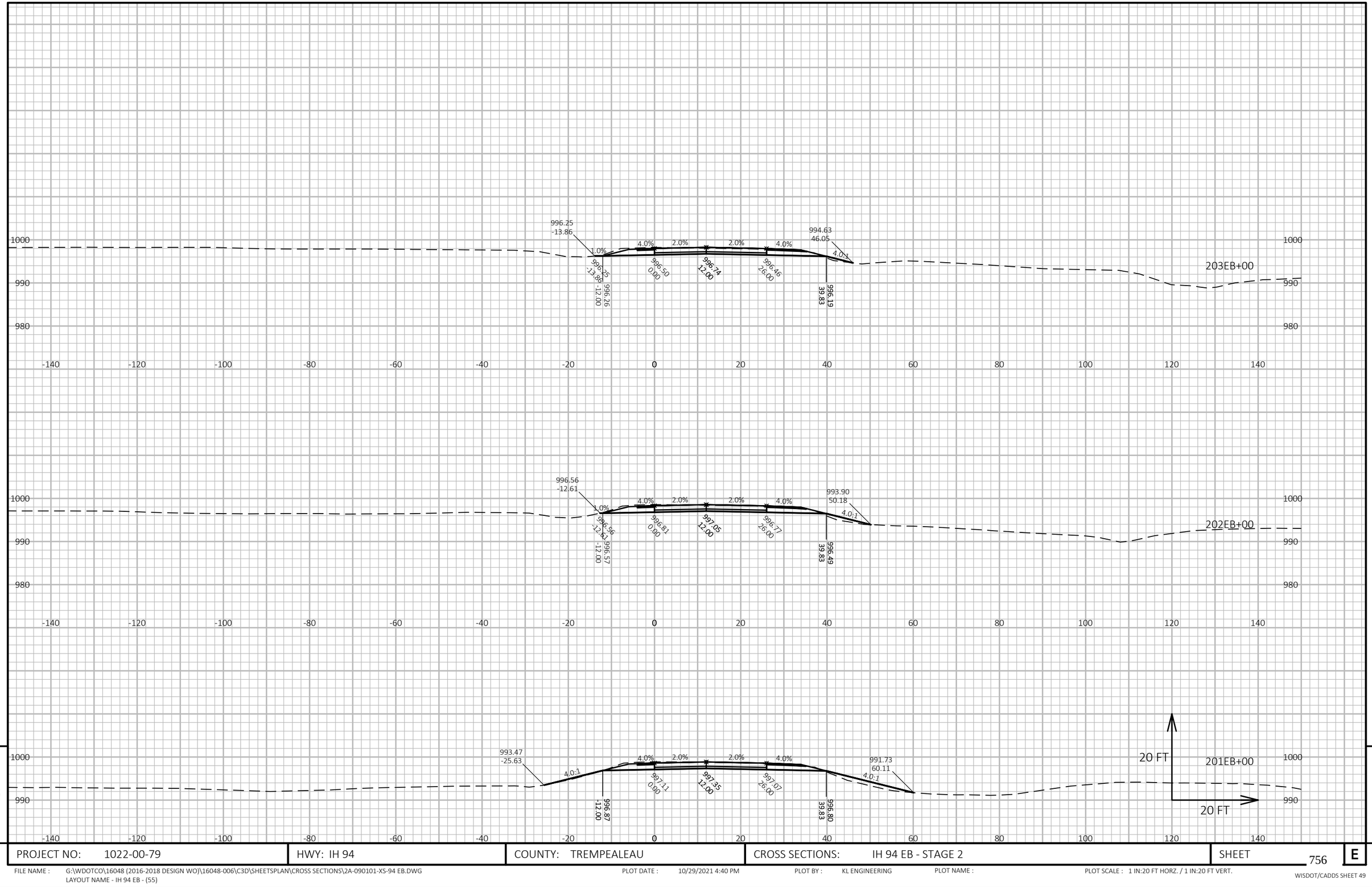
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 755	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (54)

PLOT DATE : 10/29/2021 4:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

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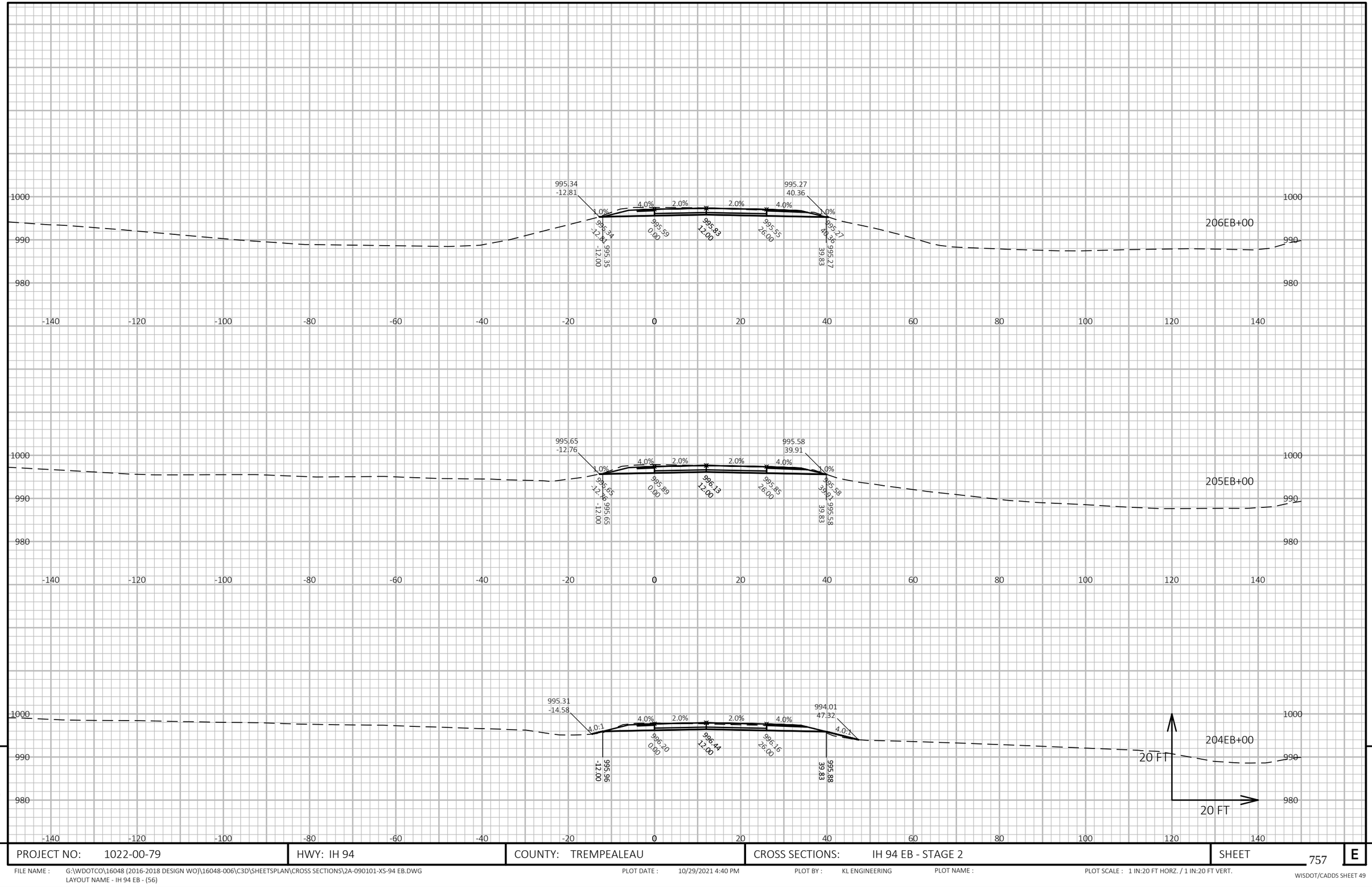
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 756	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (55)

PLOT DATE : 10/29/2021 4:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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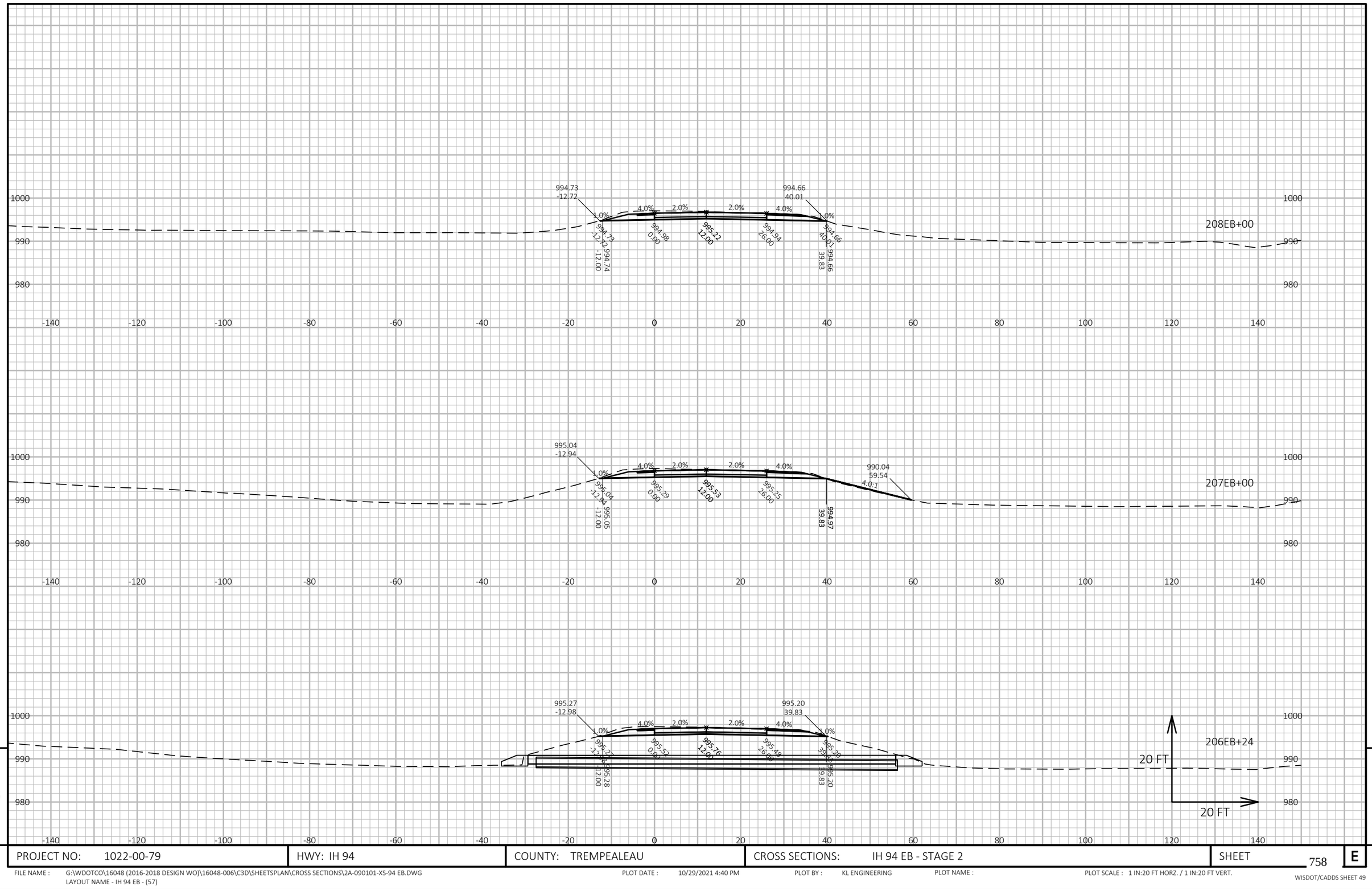
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 757	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (56)

PLOT DATE : 10/29/2021 4:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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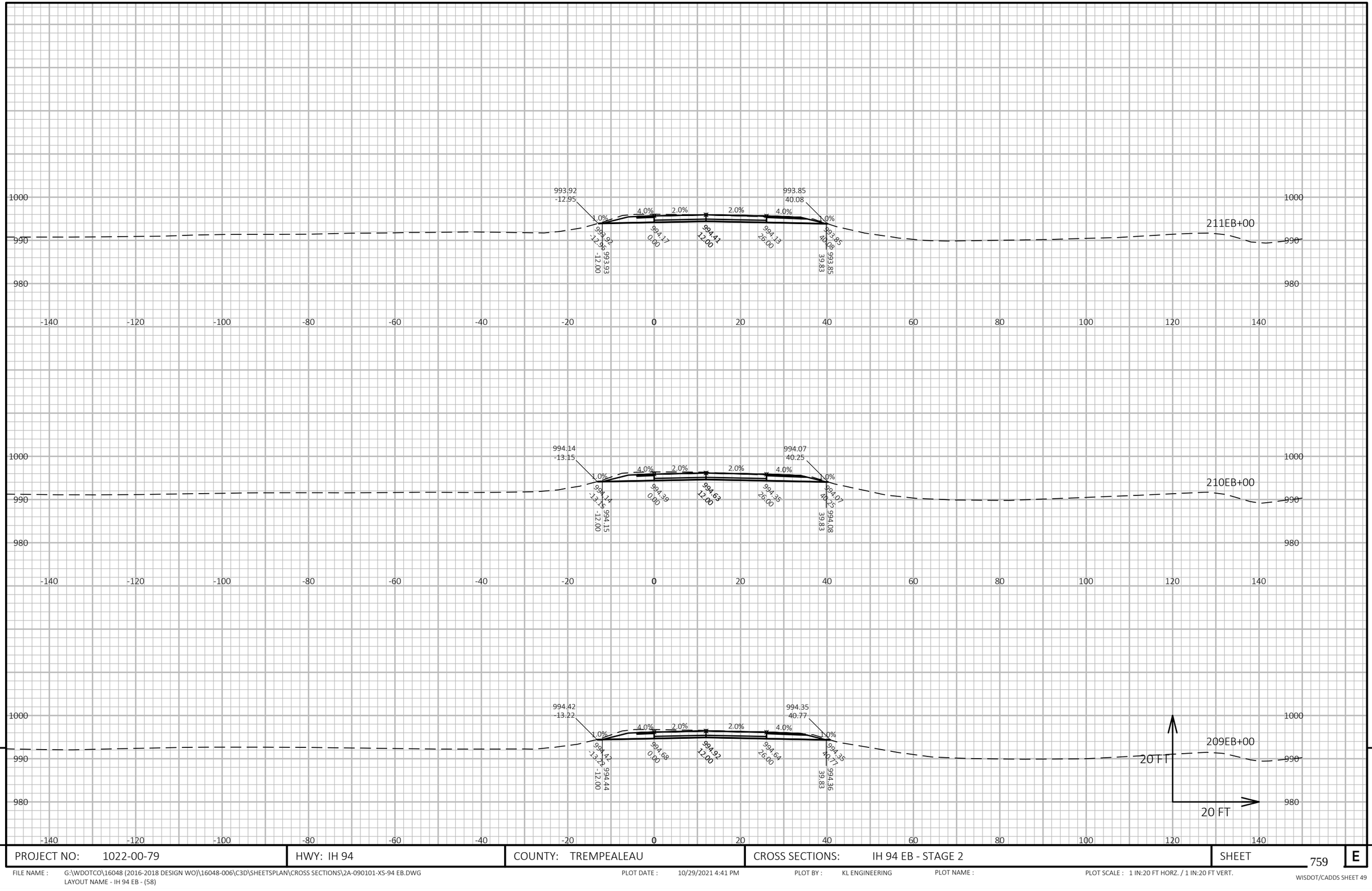
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 758	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (57)

PLOT DATE : 10/29/2021 4:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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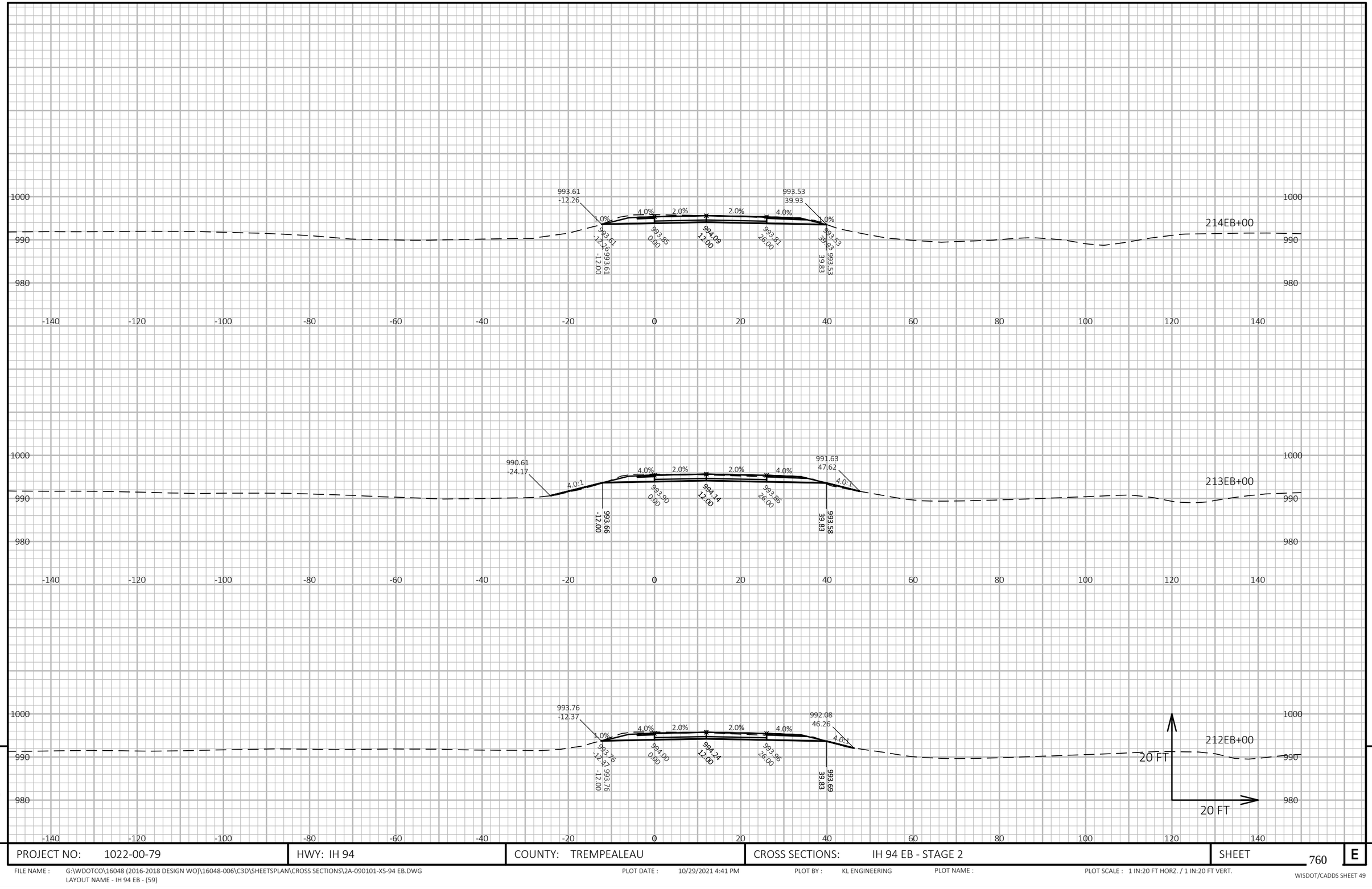
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 759	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (58)

PLOT DATE : 10/29/2021 4:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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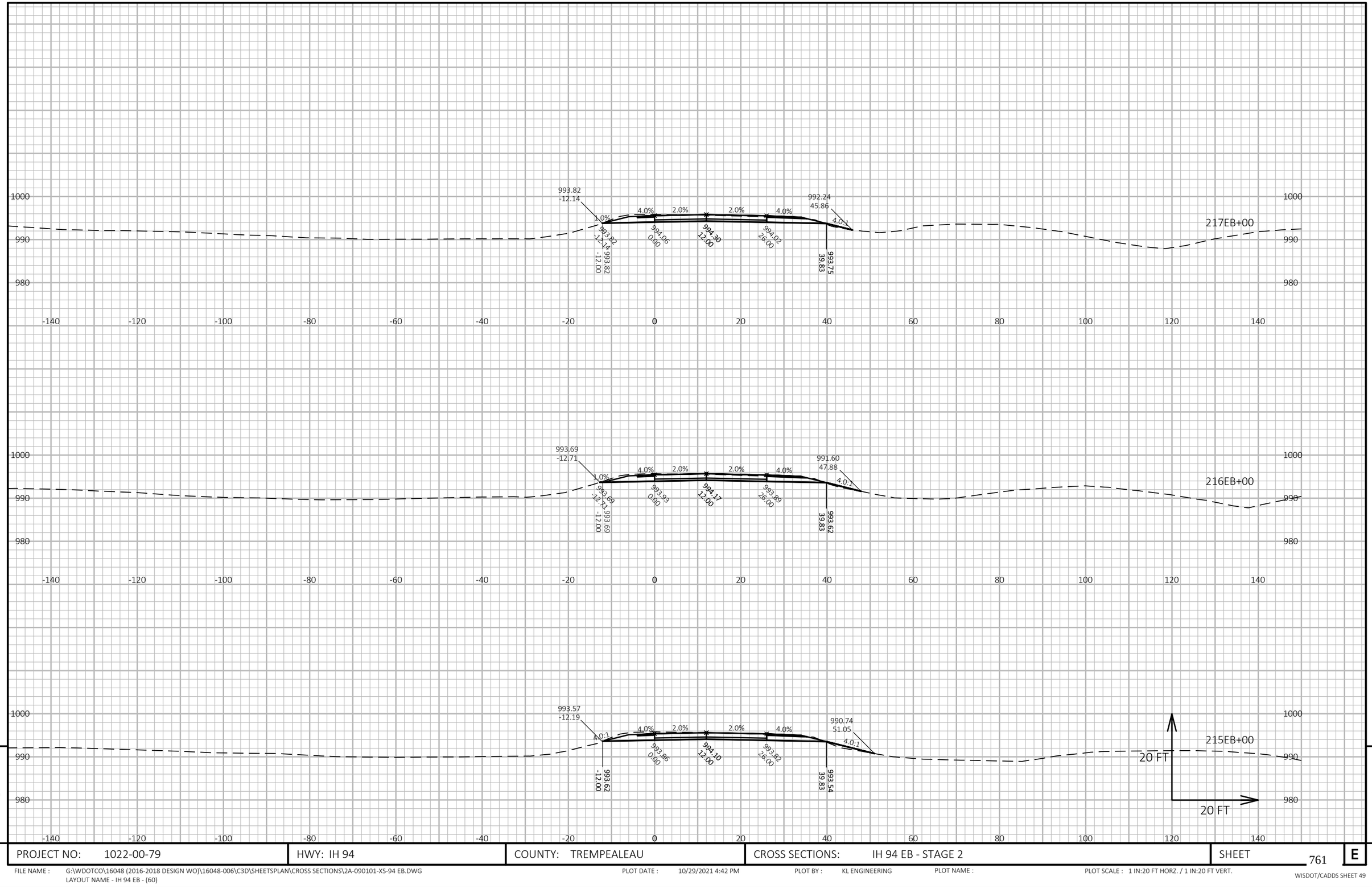
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 760	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (59)

PLOT DATE : 10/29/2021 4:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



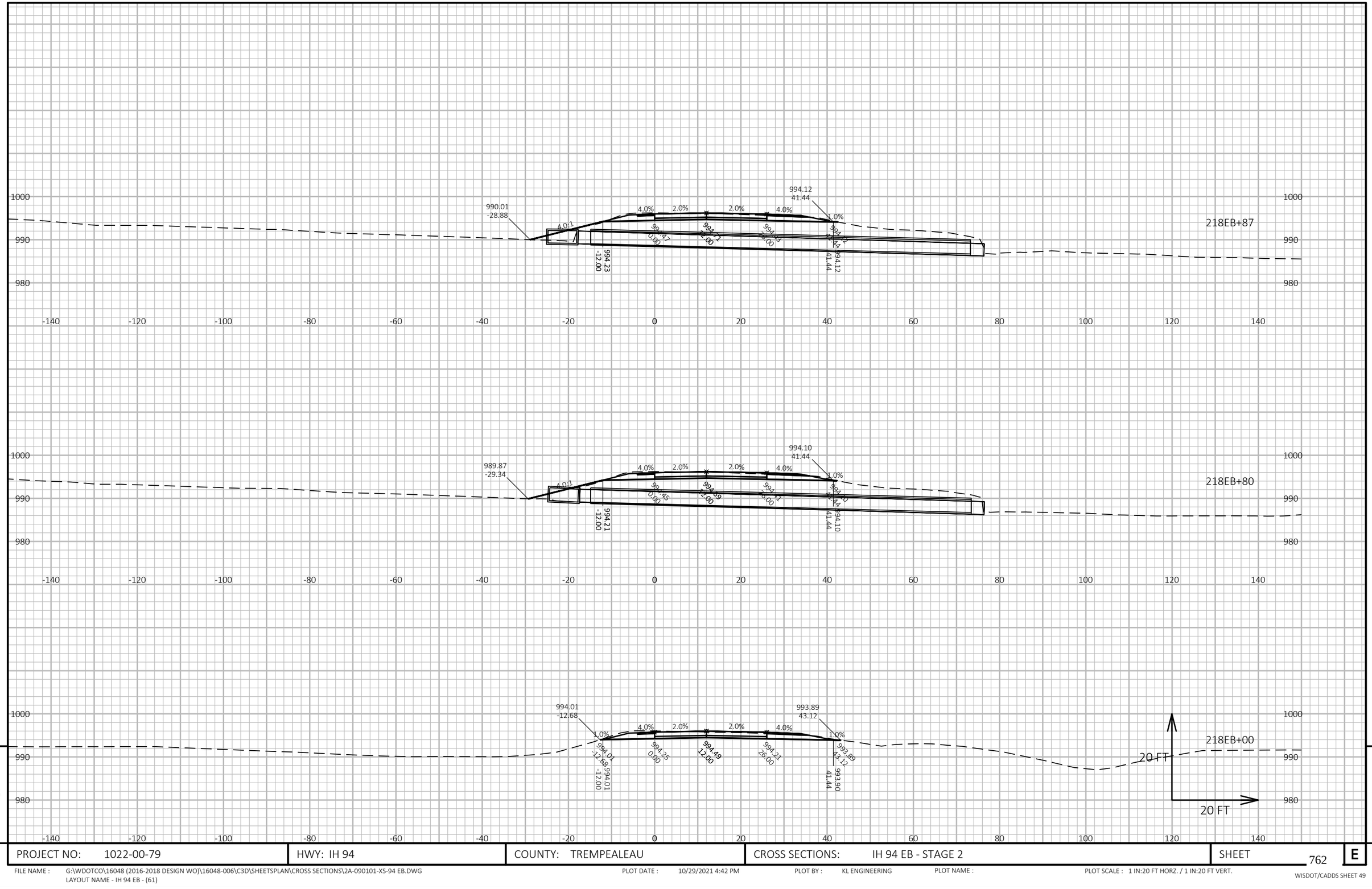
9

9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 761	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (60)

PLOT DATE : 10/29/2021 4:42 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 762 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (61)

PLOT DATE : 10/29/2021 4:42 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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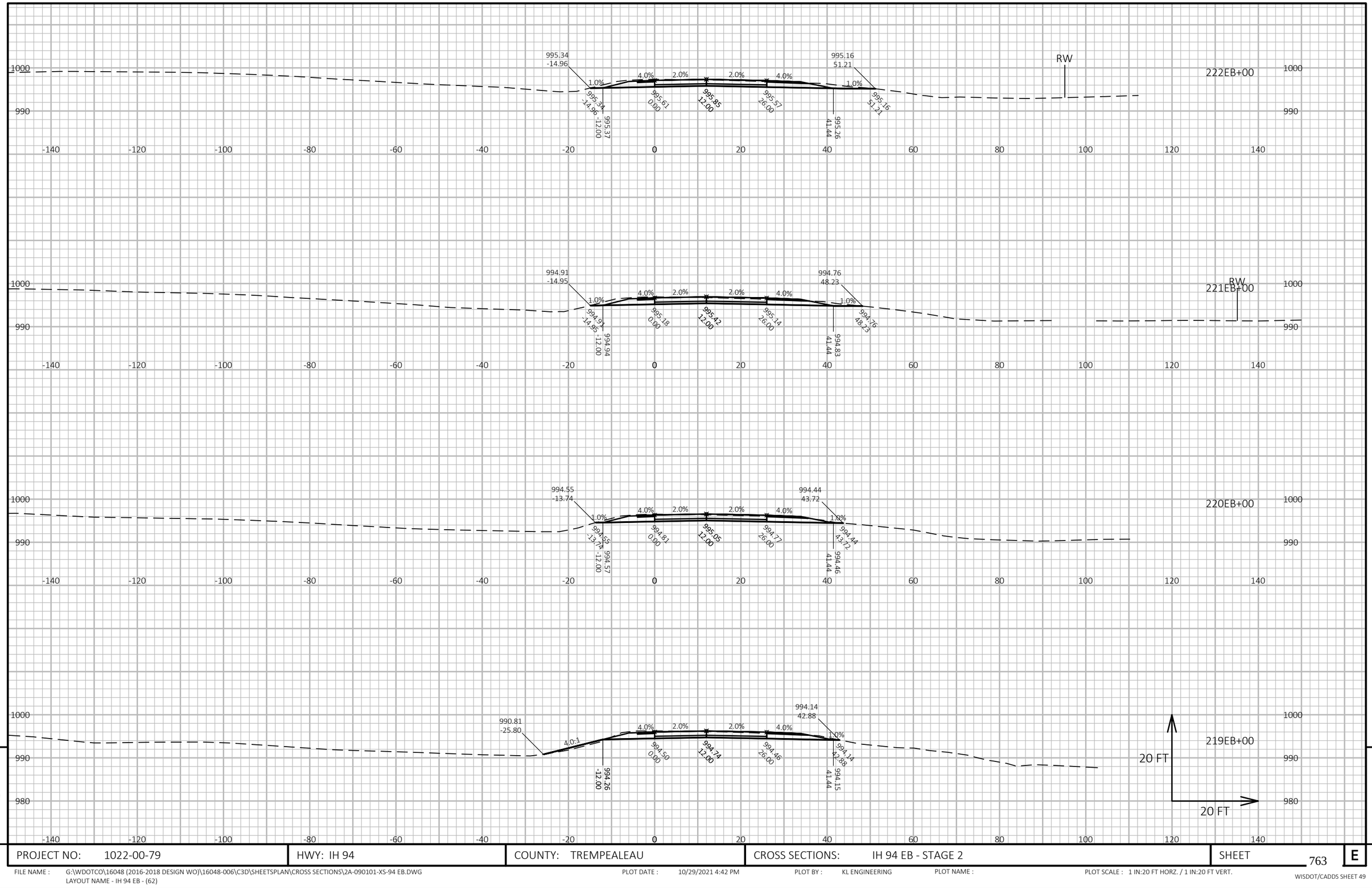

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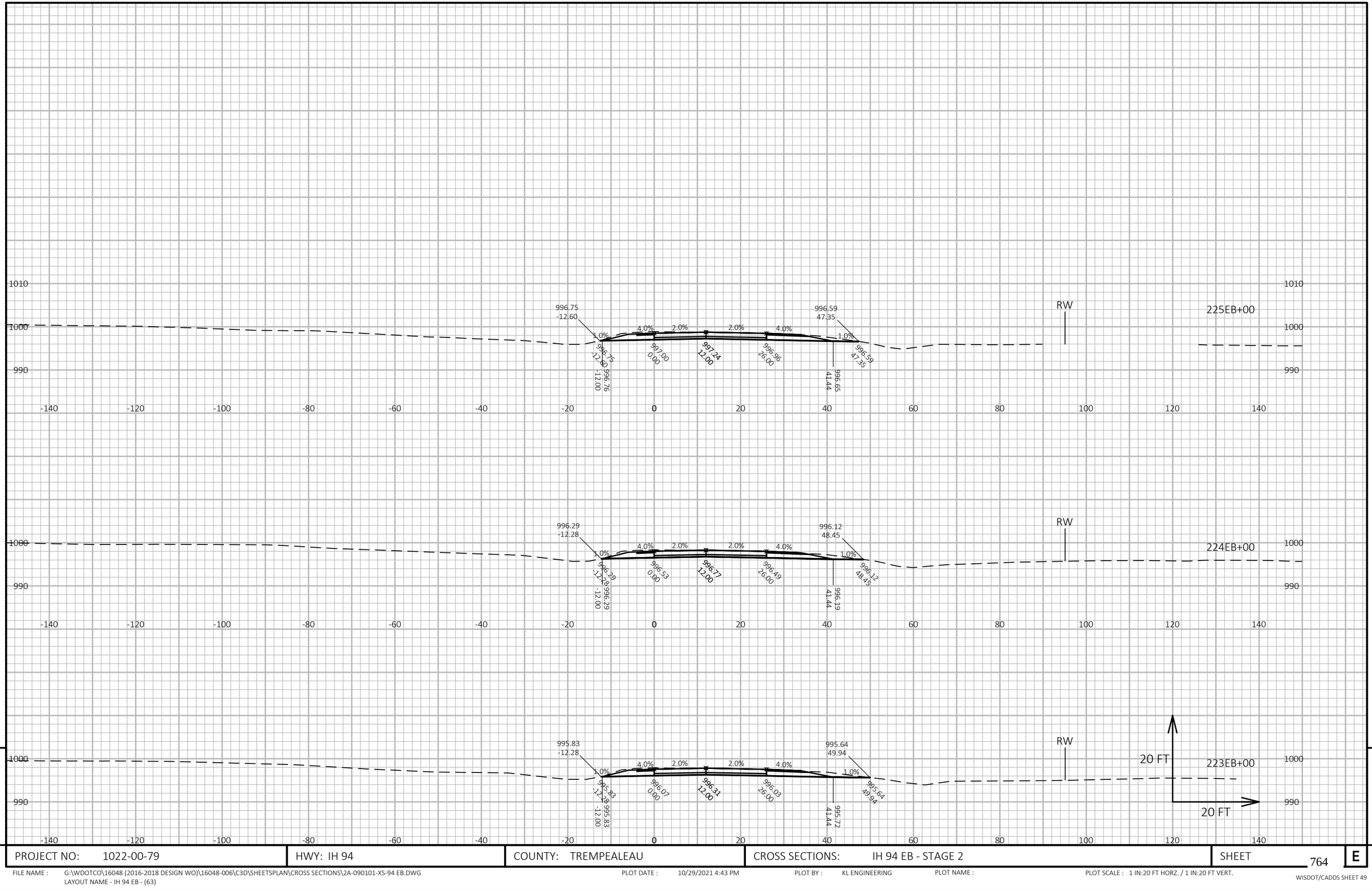
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 763	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (62)

PLOT DATE : 10/29/2021 4:42 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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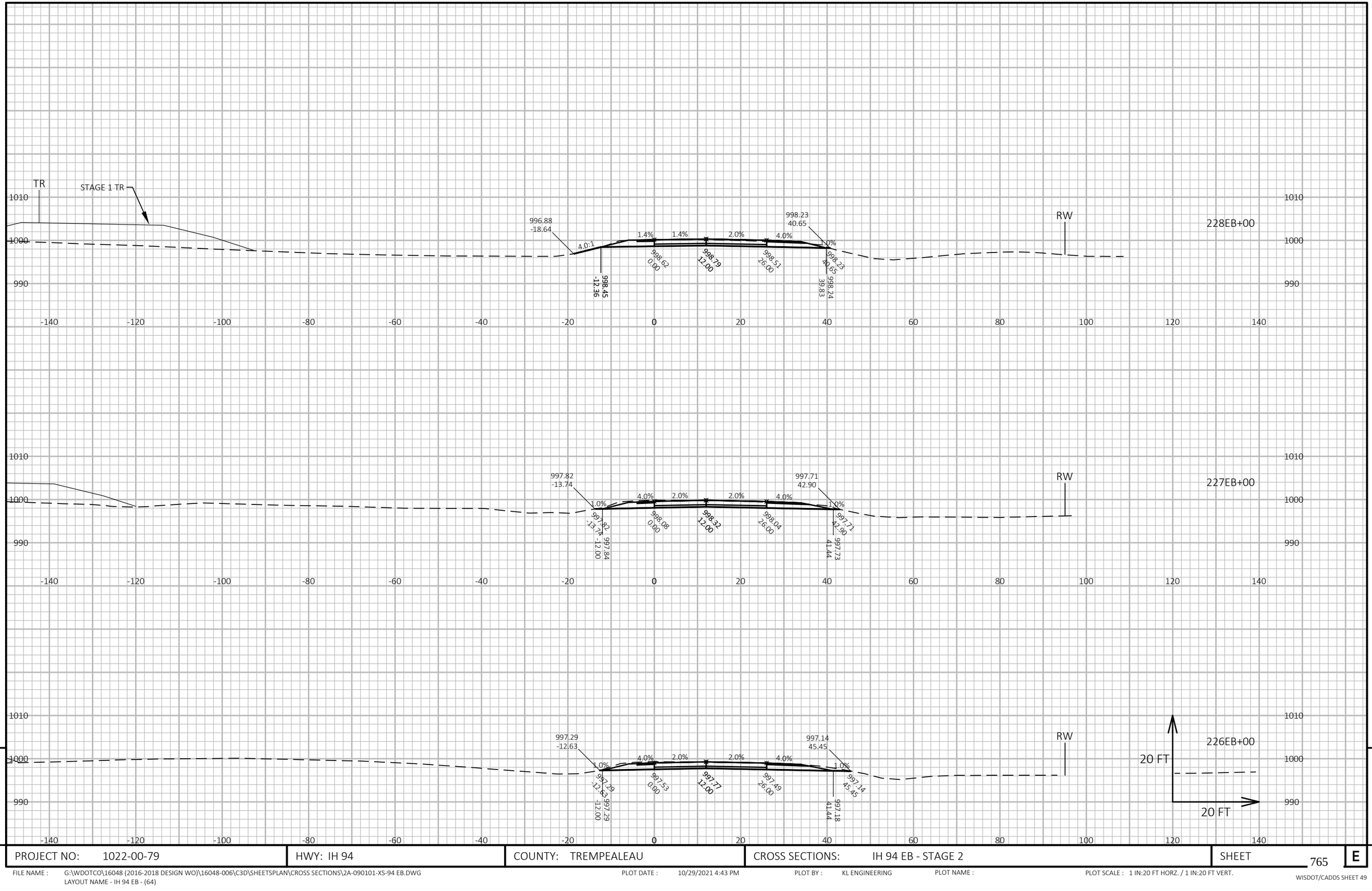
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 764	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (63)

PLOT DATE : 10/29/2021 4:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

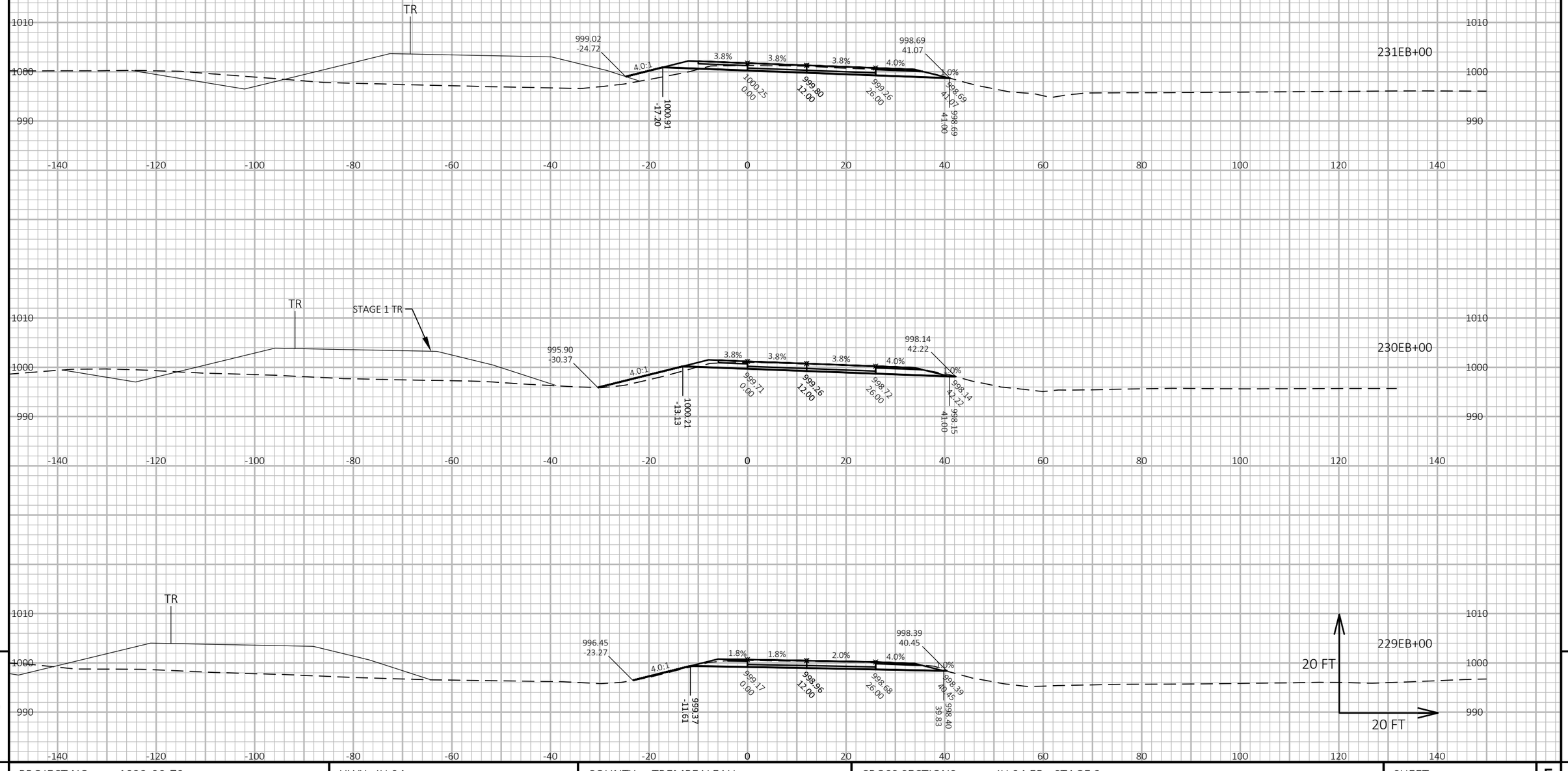


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 765	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (64)

PLOT DATE : 10/29/2021 4:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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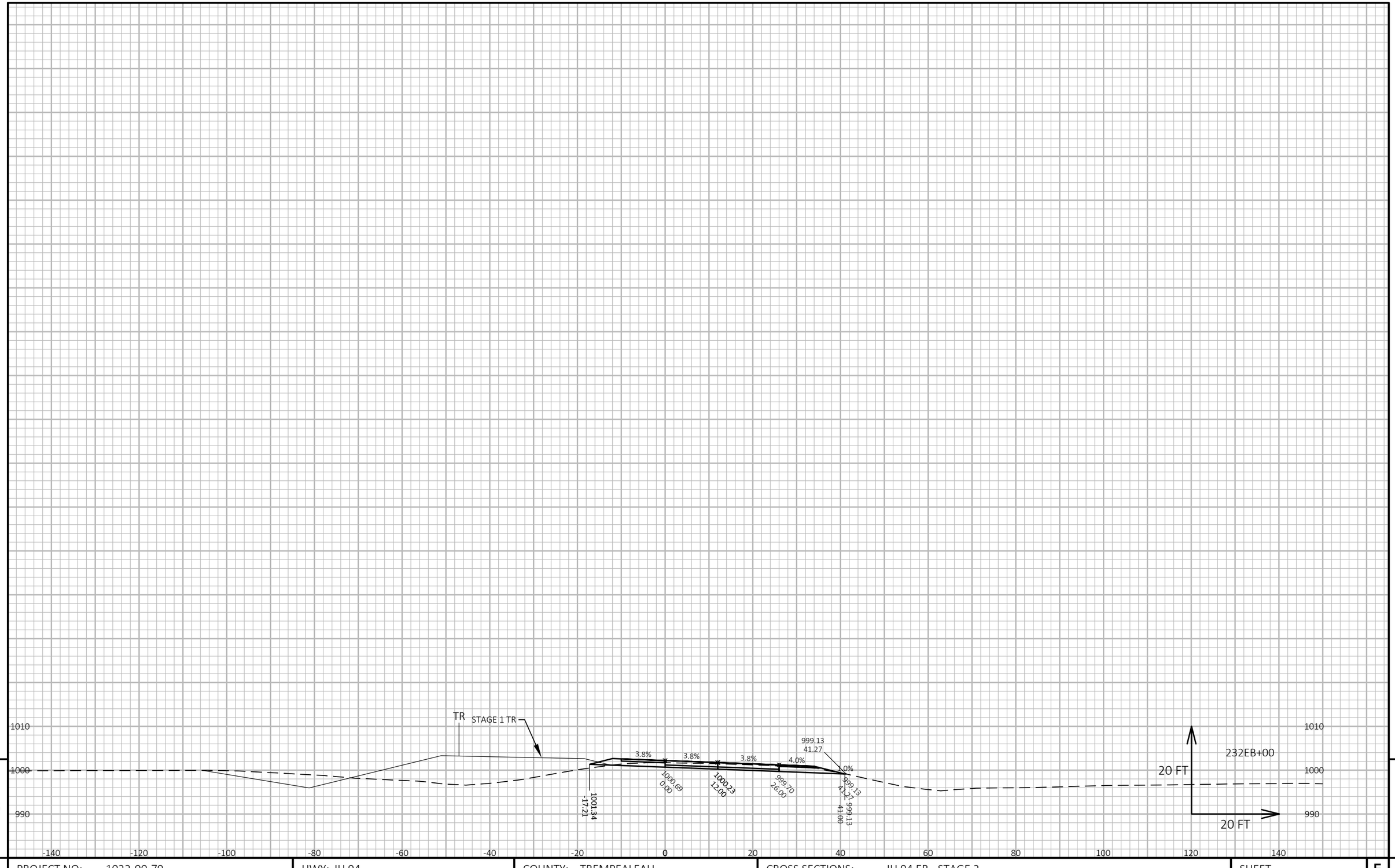
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 766	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (65)

PLOT DATE : 10/29/2021 4:44 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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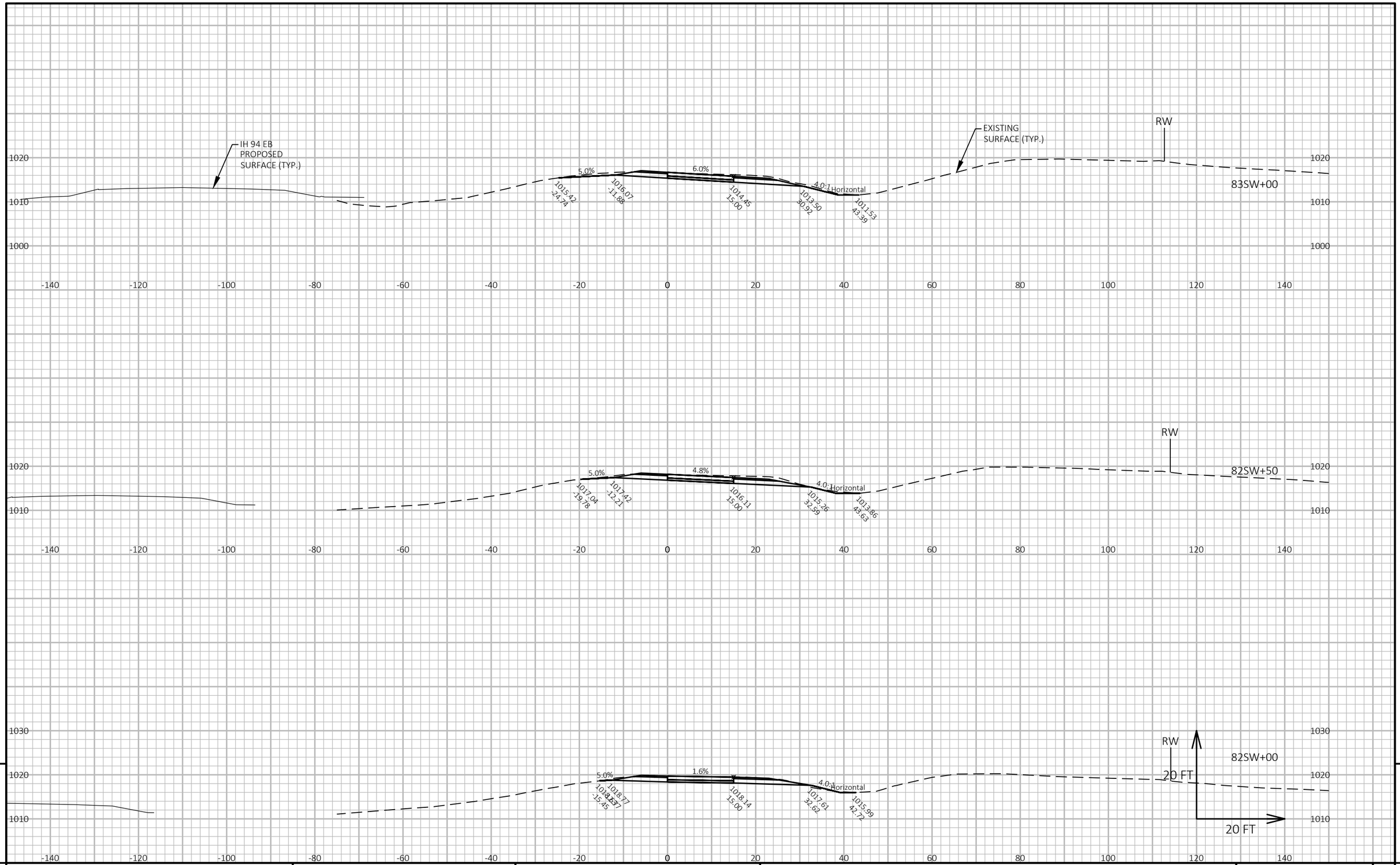
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB - STAGE 2	SHEET 767	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090101-XS-94 EB.DWG
LAYOUT NAME - IH 94 EB - (66)

PLOT DATE : 10/29/2021 4:44 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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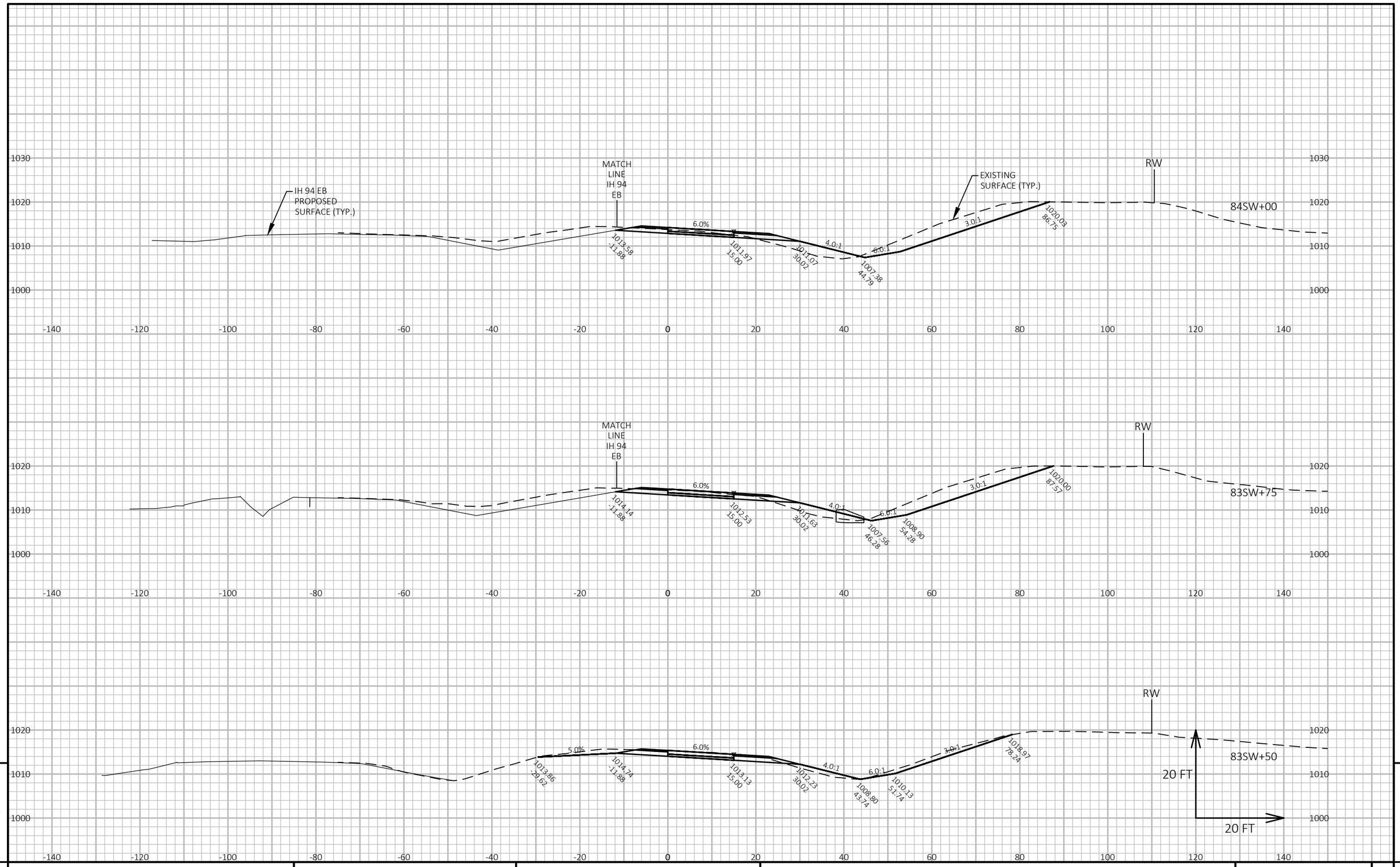
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: SW RAMP STAGE 2	SHEET 768	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090107-XS-SW RAMP.DWG
LAYOUT NAME - 01

PLOT DATE : 10/30/2021 9:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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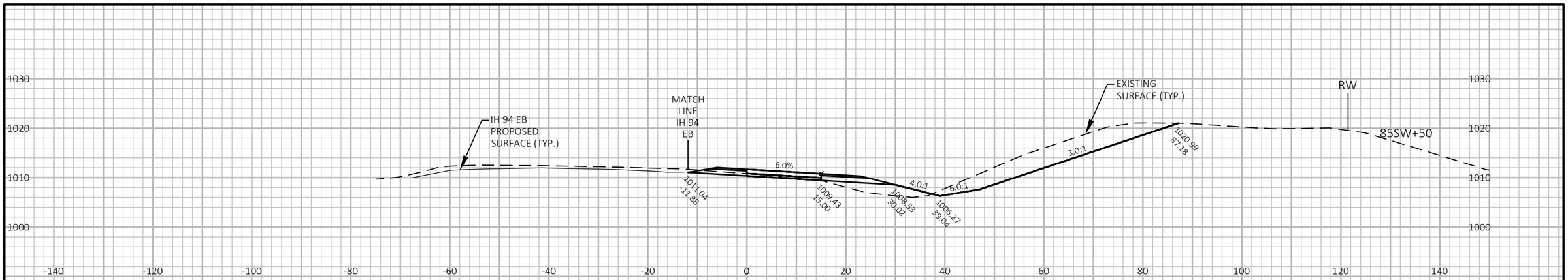
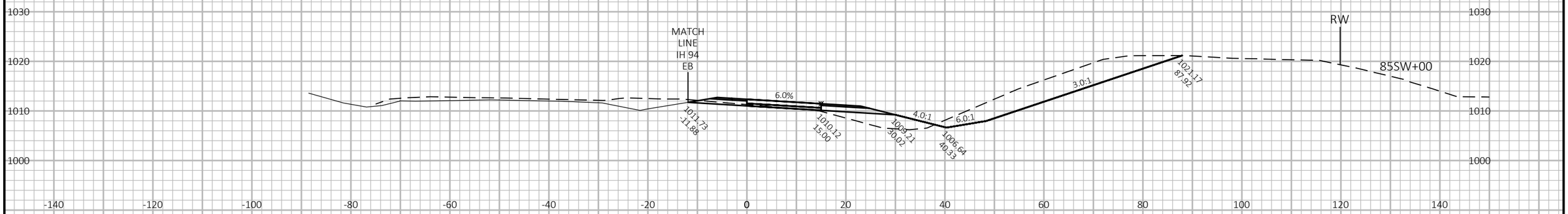
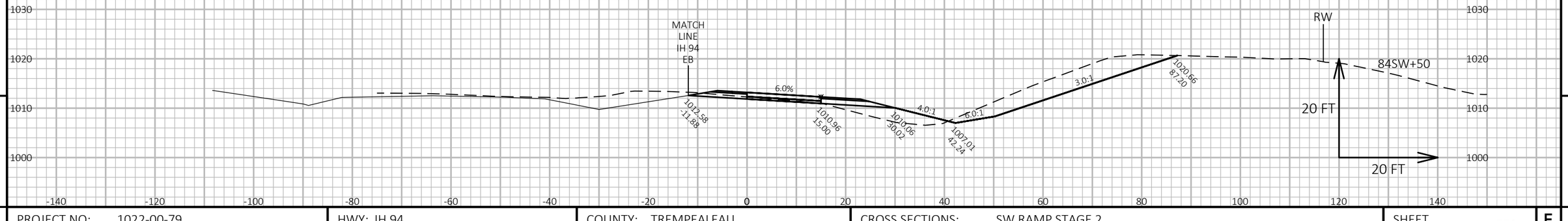
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: SW RAMP STAGE 2	SHEET 769	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090107-XS-SW RAMP.DWG
LAYOUT NAME - 02

PLOT DATE : 10/30/2021 9:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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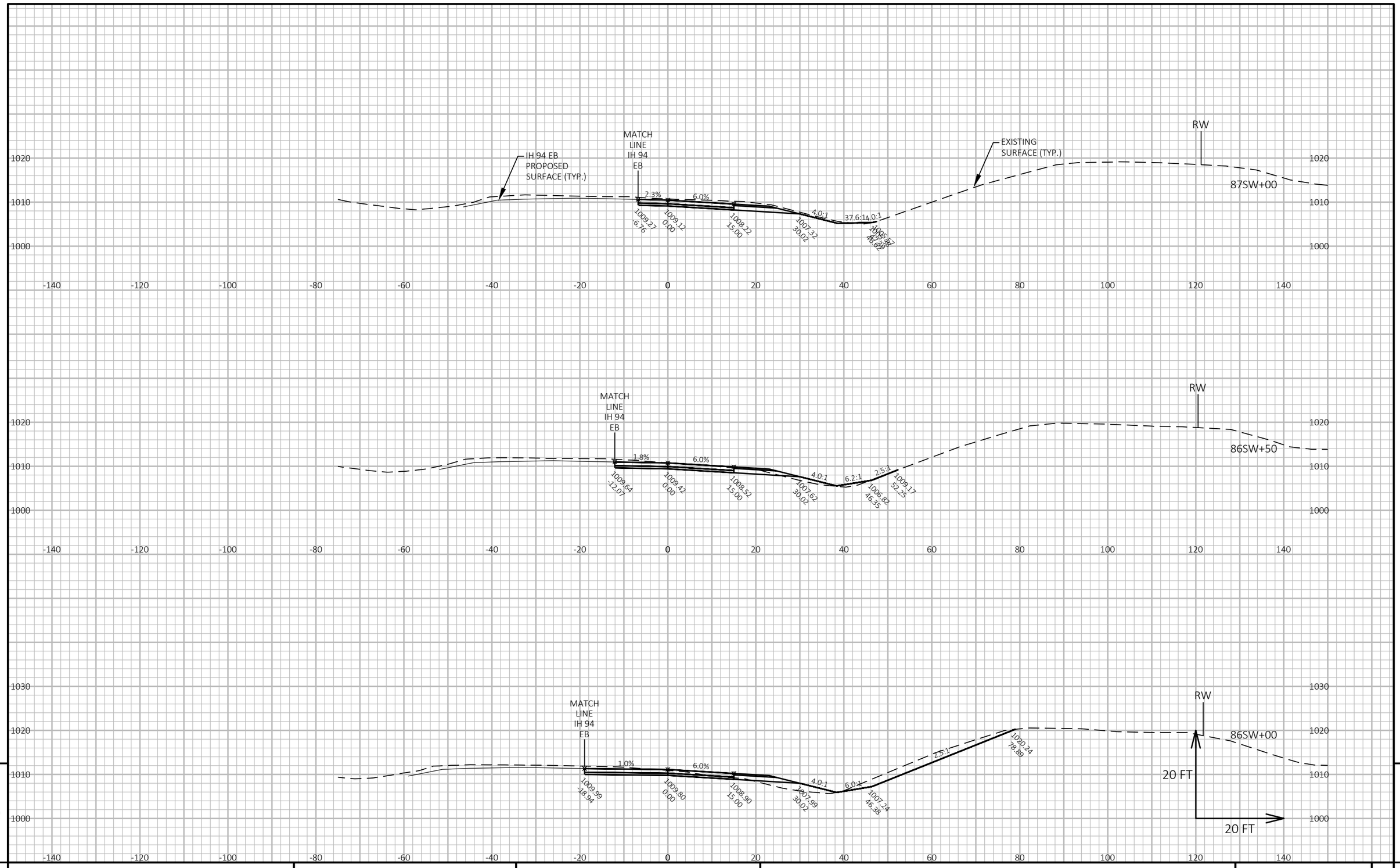
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: SW RAMP STAGE 2	SHEET 770	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090107-XS-SW RAMP.DWG
LAYOUT NAME - 03

PLOT DATE : 10/30/2021 9:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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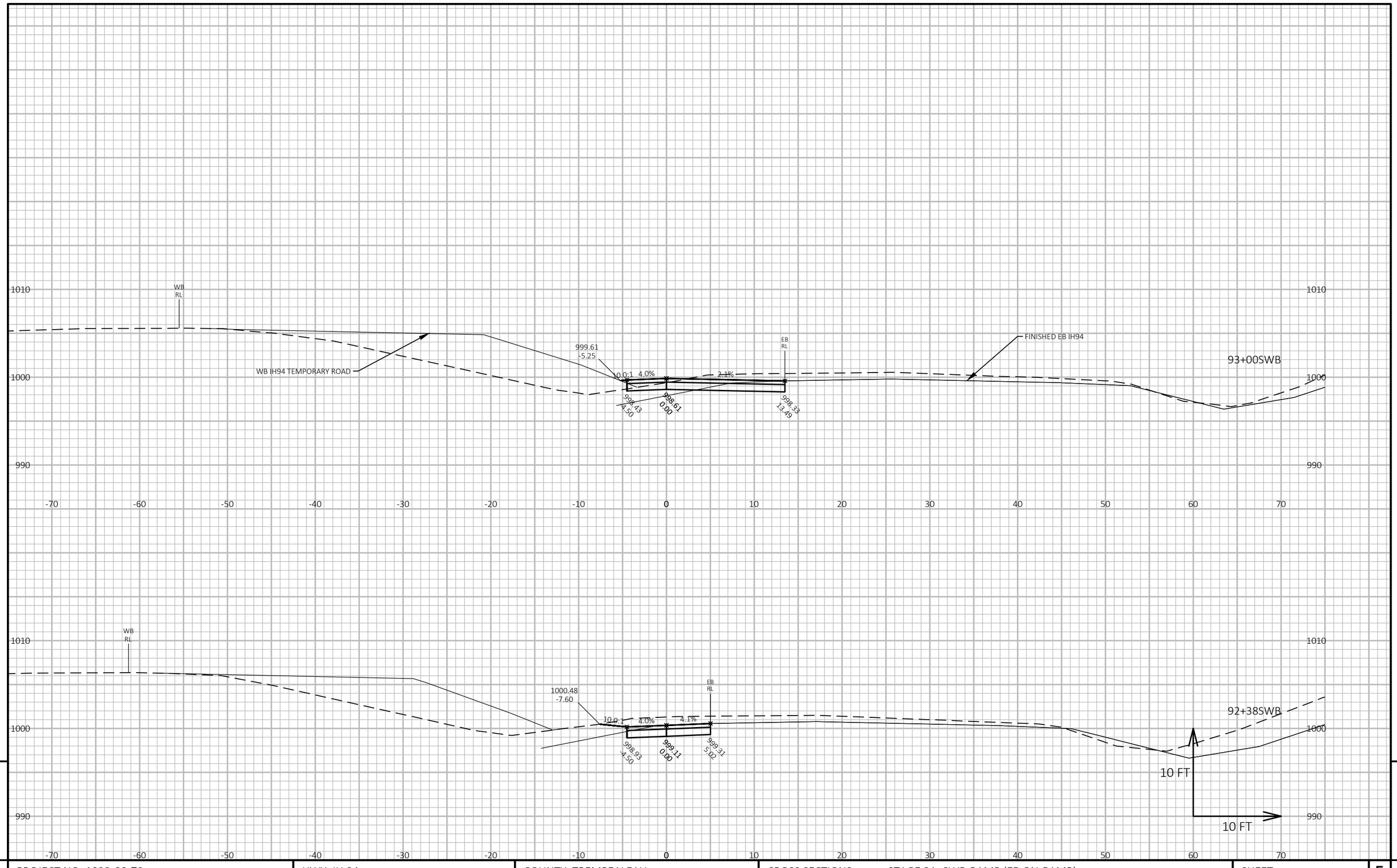
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: SW RAMP STAGE 2	SHEET 771	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090107-XS-SW RAMP.DWG
LAYOUT NAME - 04

PLOT DATE : 10/30/2021 9:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

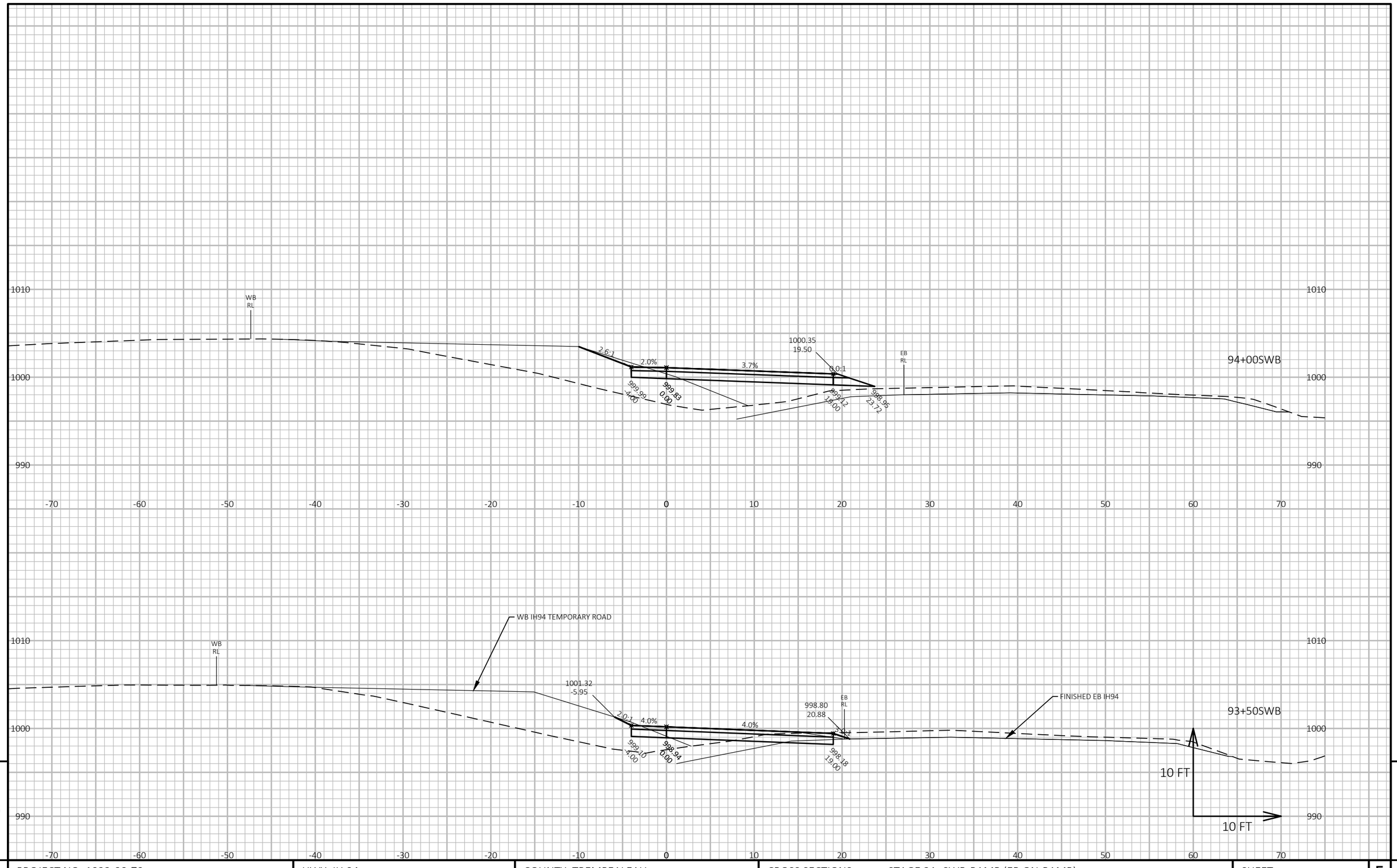


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 2A: SWB-RAMP (EB ON-RAMP)	SHEET 772	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090122-XS-SWB RAMP.DWG
LAYOUT NAME - XSEC - SW1

PLOT DATE : 10/31/2021 6:36 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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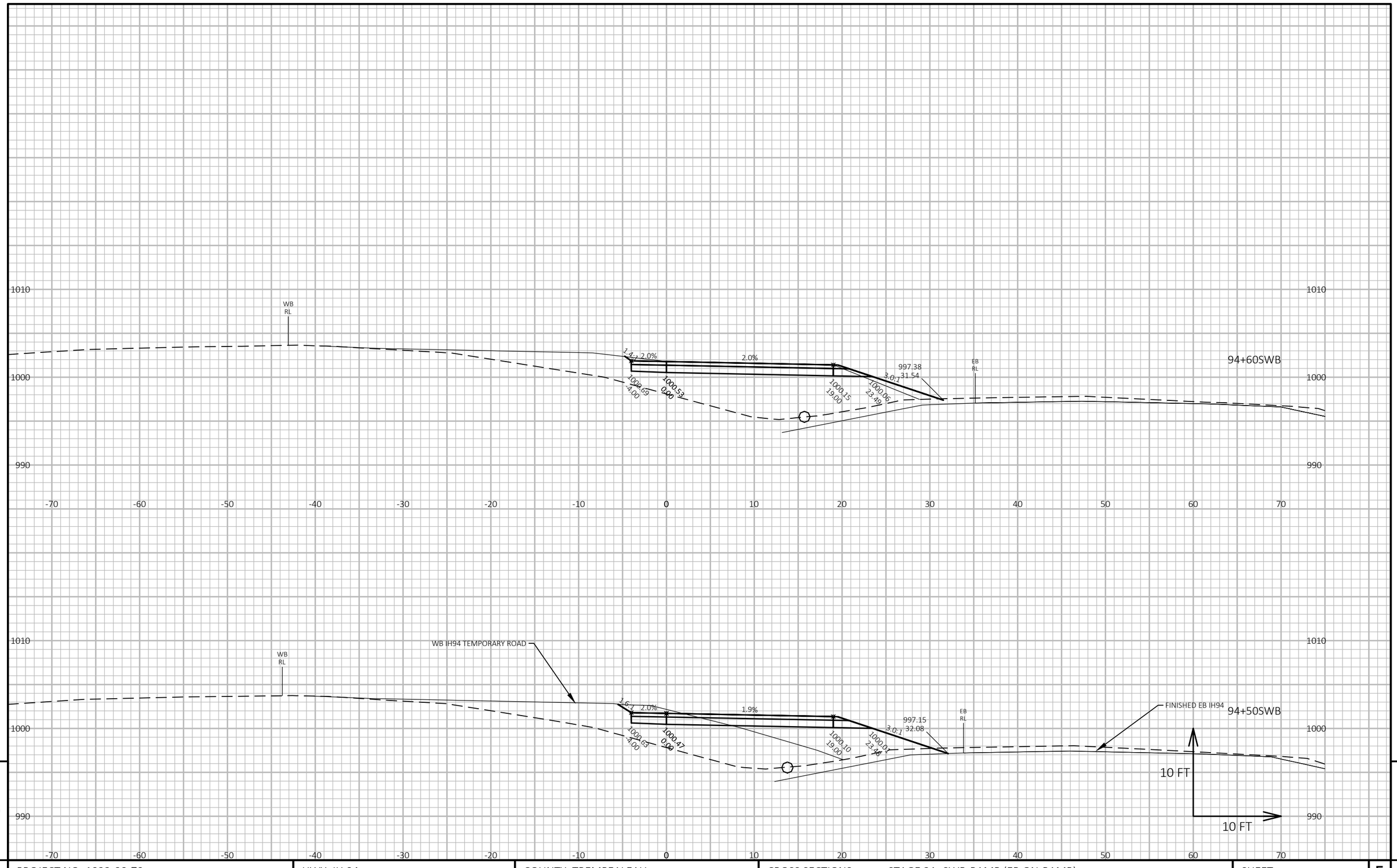
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 2A: SWB-RAMP (EB ON-RAMP)	SHEET 773	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090122-XS-SWB RAMP.DWG
LAYOUT NAME - XSEC - SW2

PLOT DATE : 10/31/2021 6:36 AM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 2A: SWB-RAMP (EB ON-RAMP)	SHEET 774	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2A-090122-XS-SWB RAMP.DWG
LAYOUT NAME - XSEC - SW3

PLOT DATE : 10/31/2021 6:36 AM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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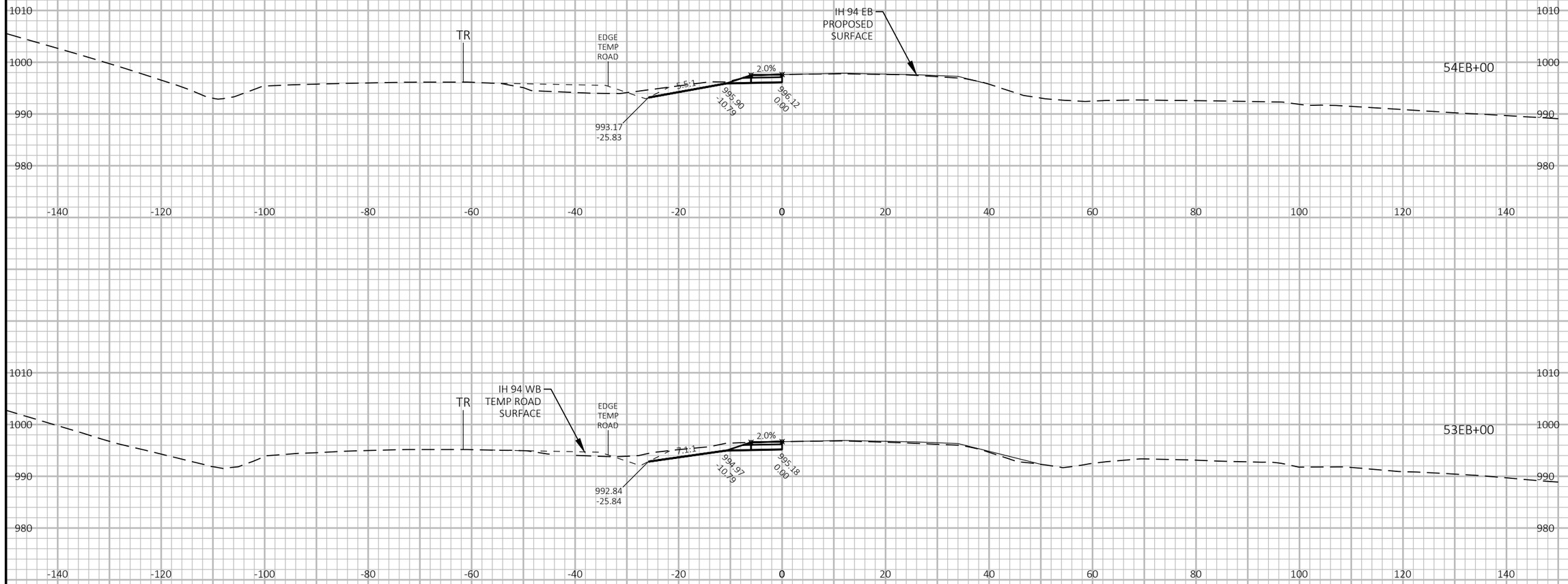
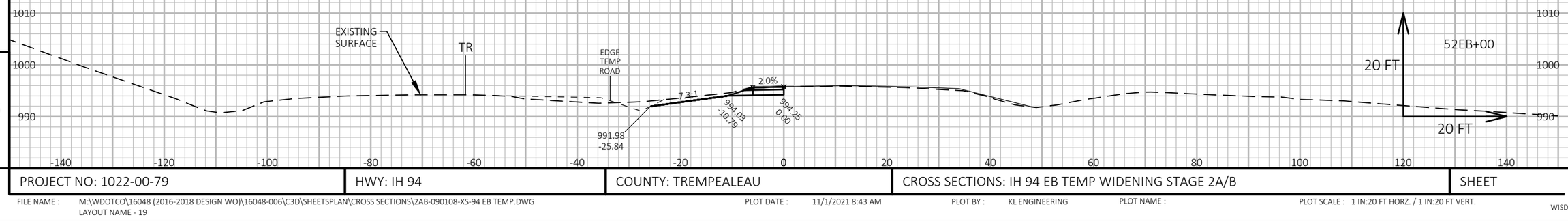
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 775	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 18

PLOT DATE : 11/1/2021 8:43 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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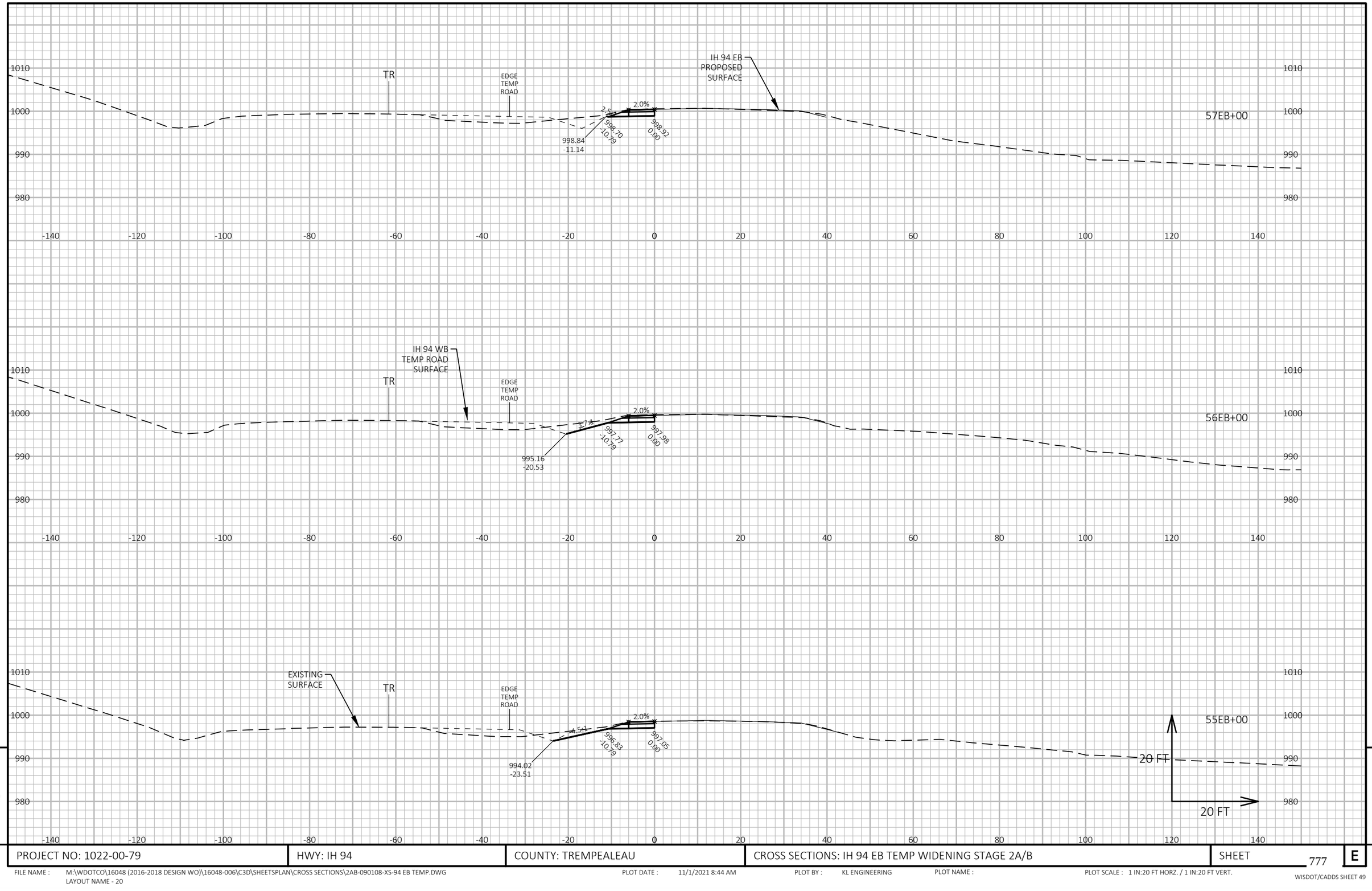
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 776	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 19

PLOT DATE : 11/1/2021 8:43 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

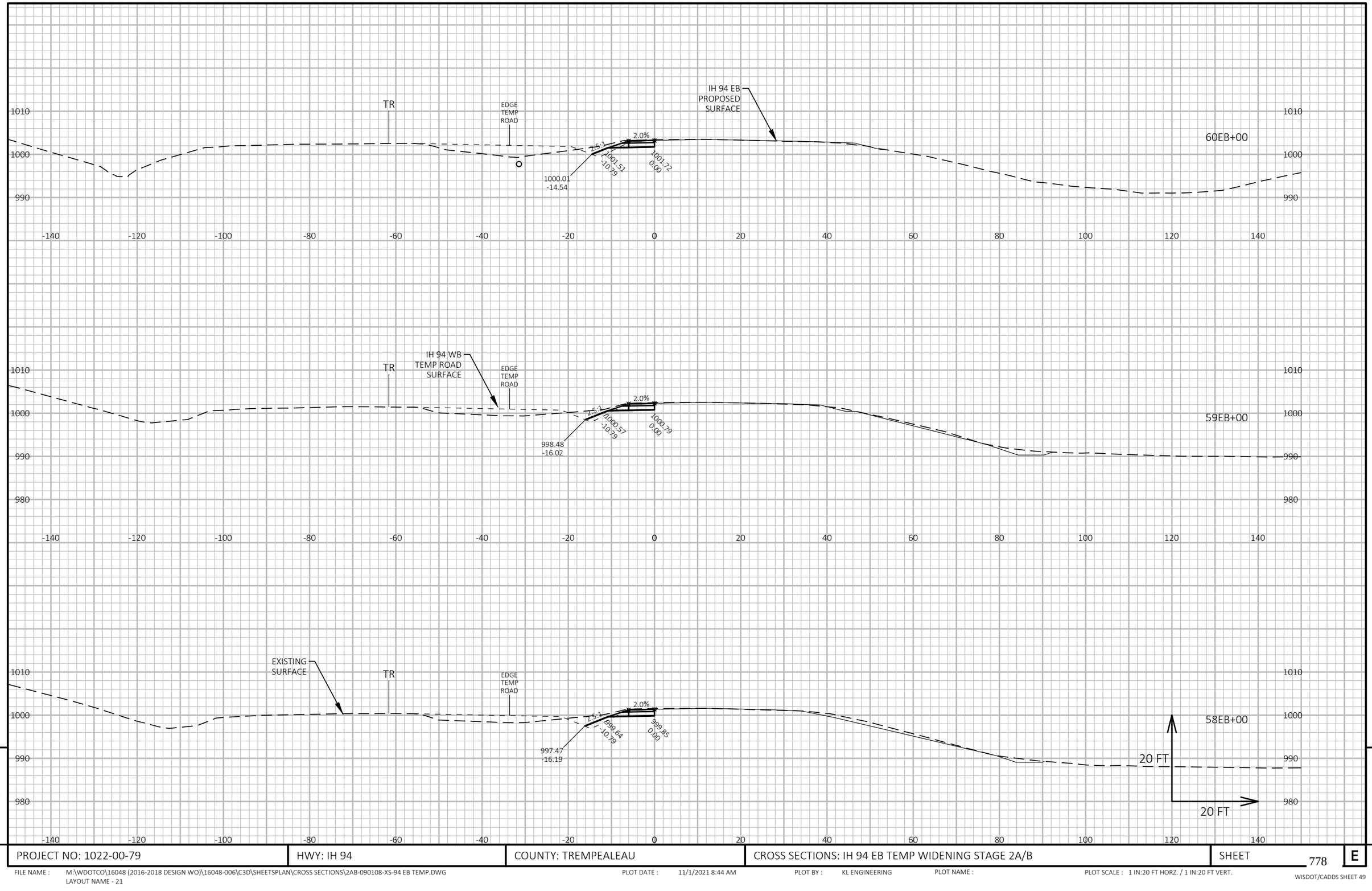


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 777 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 20

PLOT DATE : 11/1/2021 8:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 778 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 21

PLOT DATE : 11/1/2021 8:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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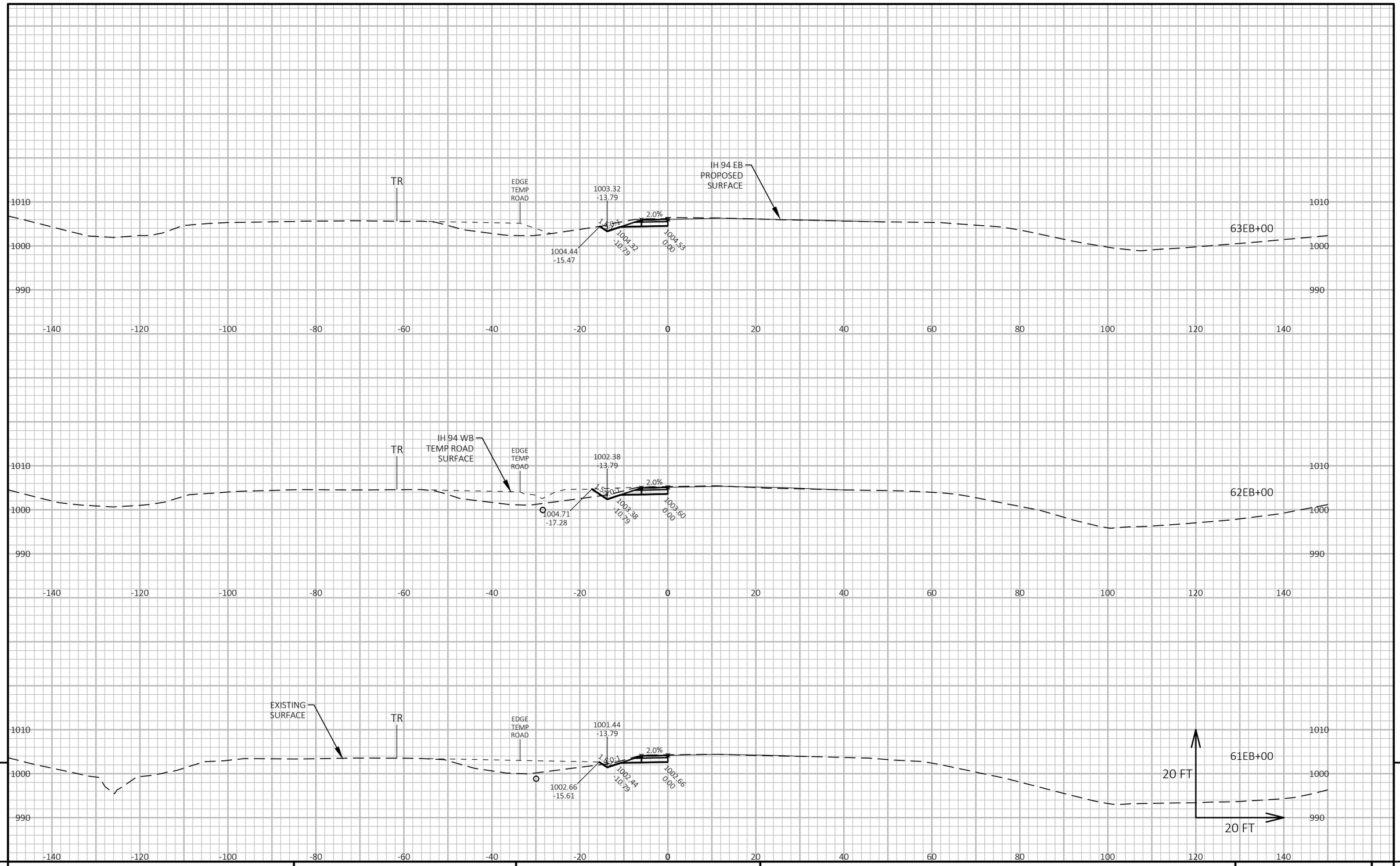

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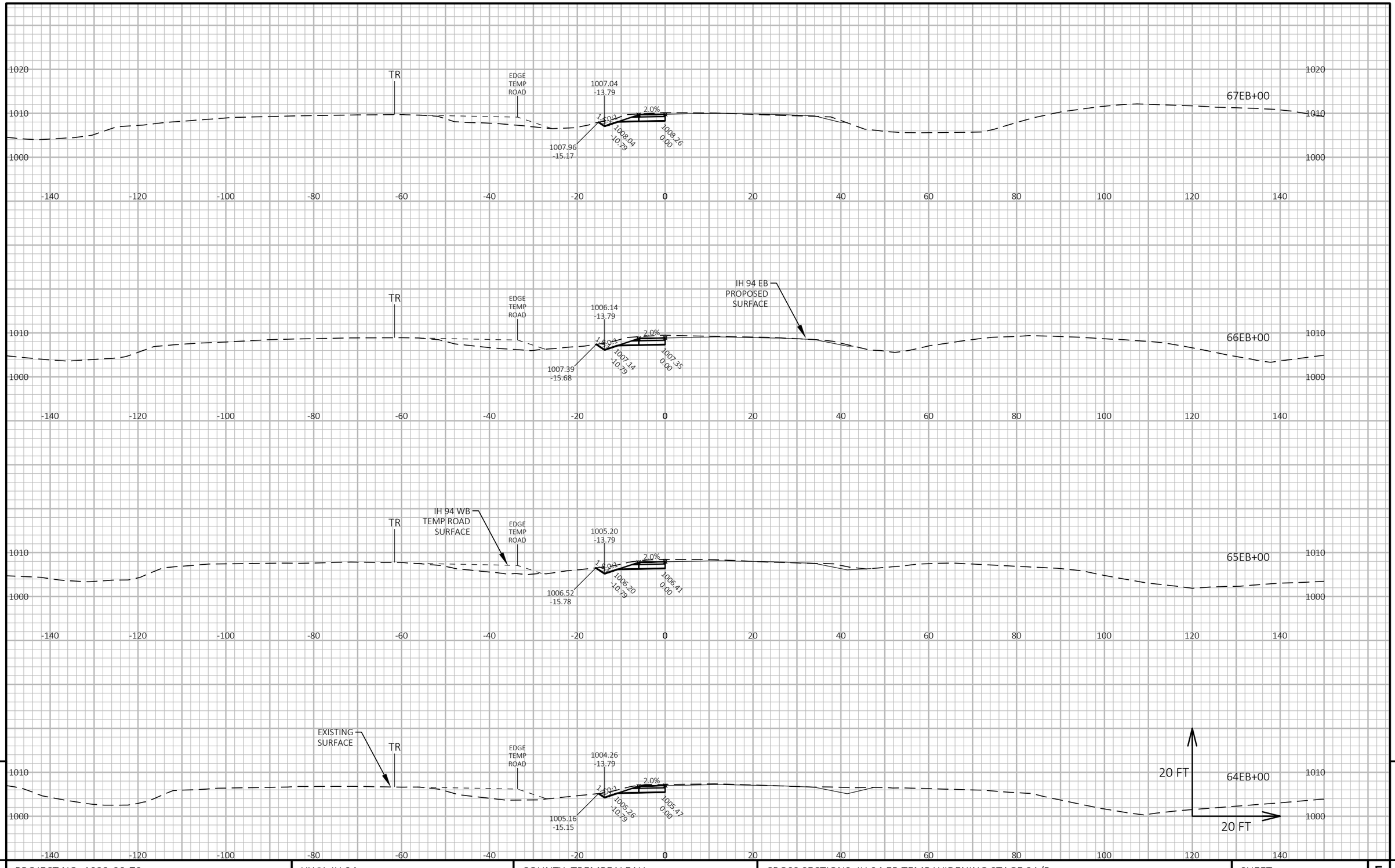
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 779	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 22

PLOT DATE : 11/1/2021 8:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

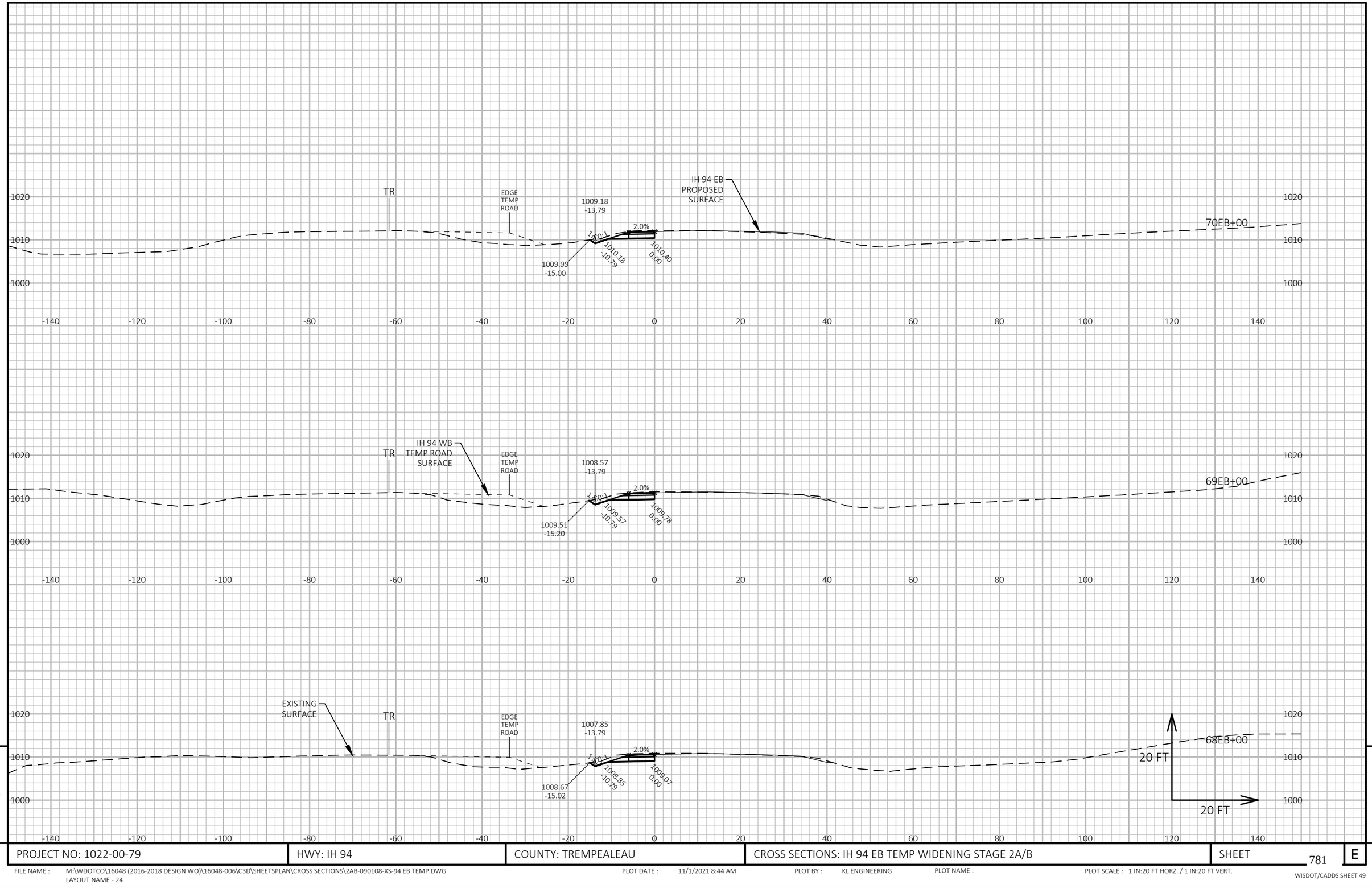


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 780	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 23

PLOT DATE : 11/1/2021 8:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

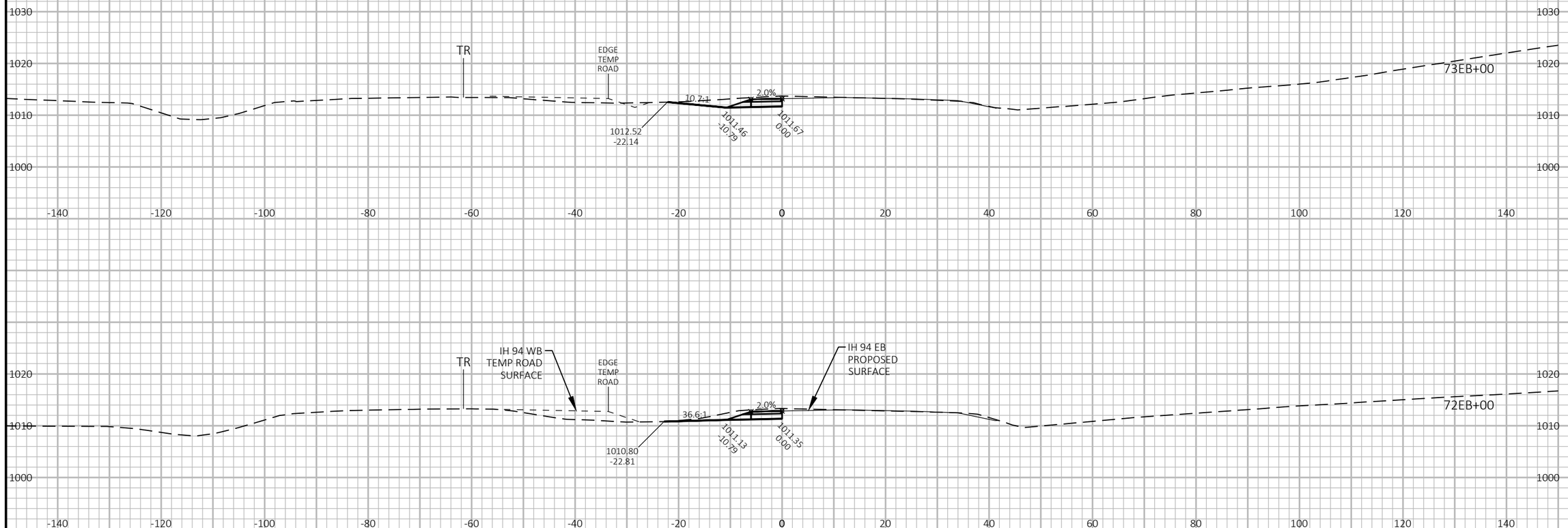


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 781	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 24

PLOT DATE : 11/1/2021 8:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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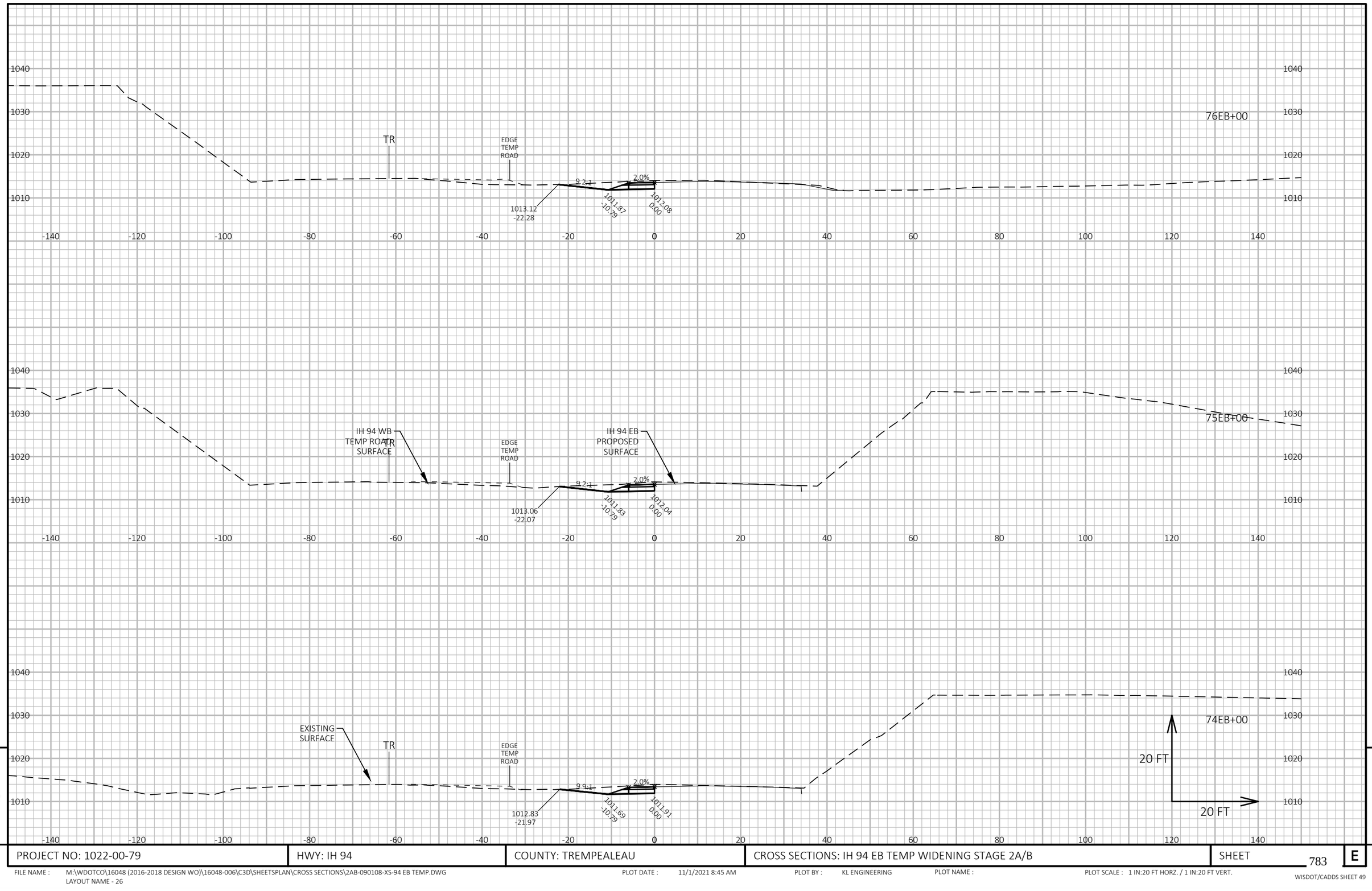
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 782	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 25

PLOT DATE : 11/1/2021 8:44 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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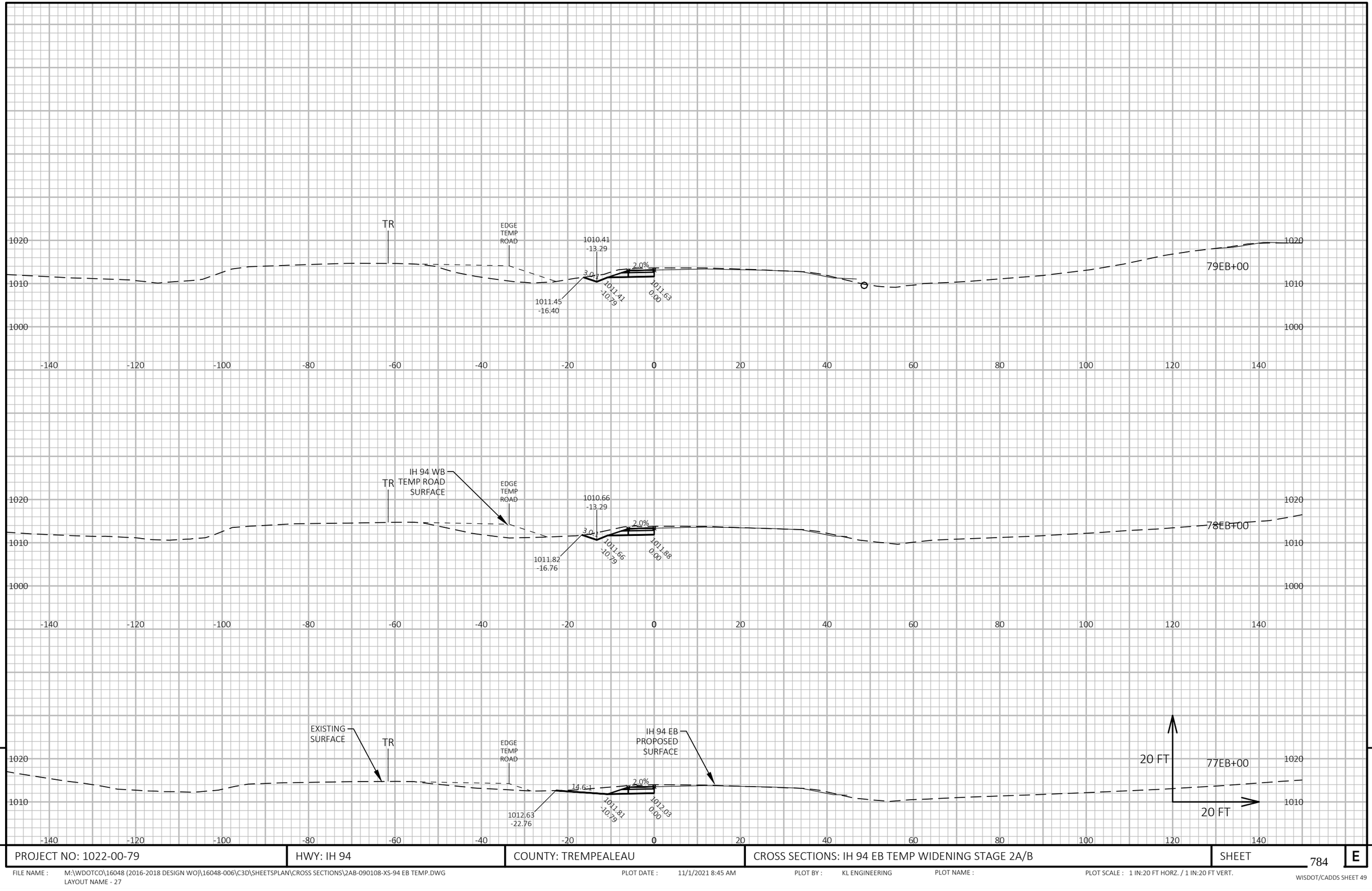
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 783	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 26

PLOT DATE : 11/1/2021 8:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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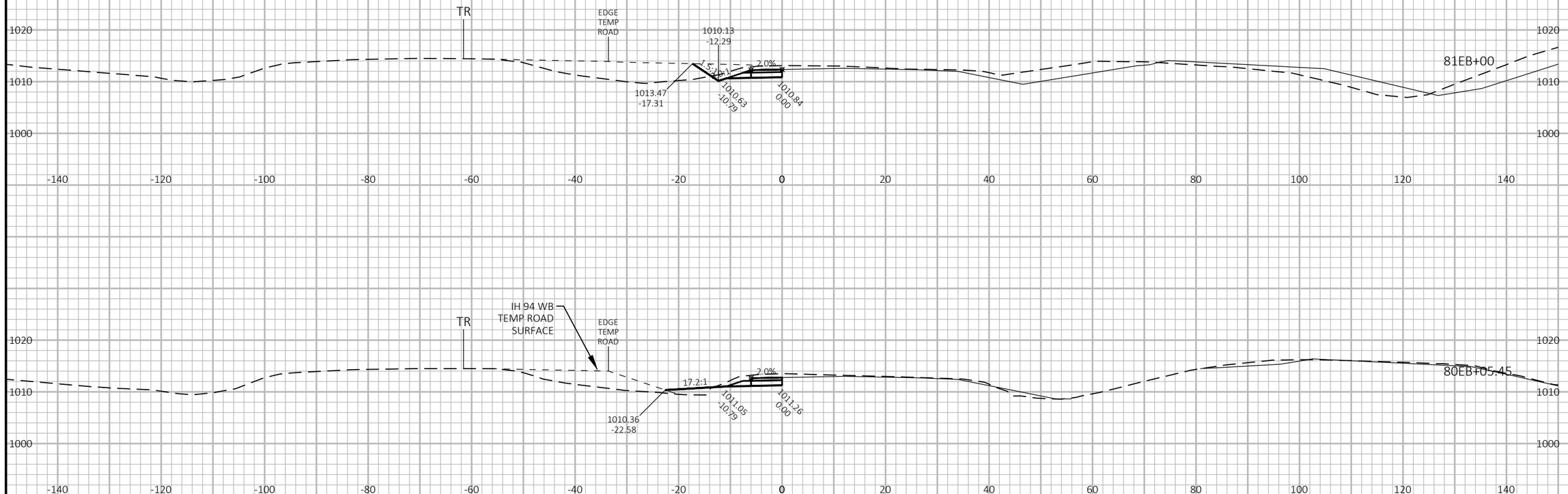
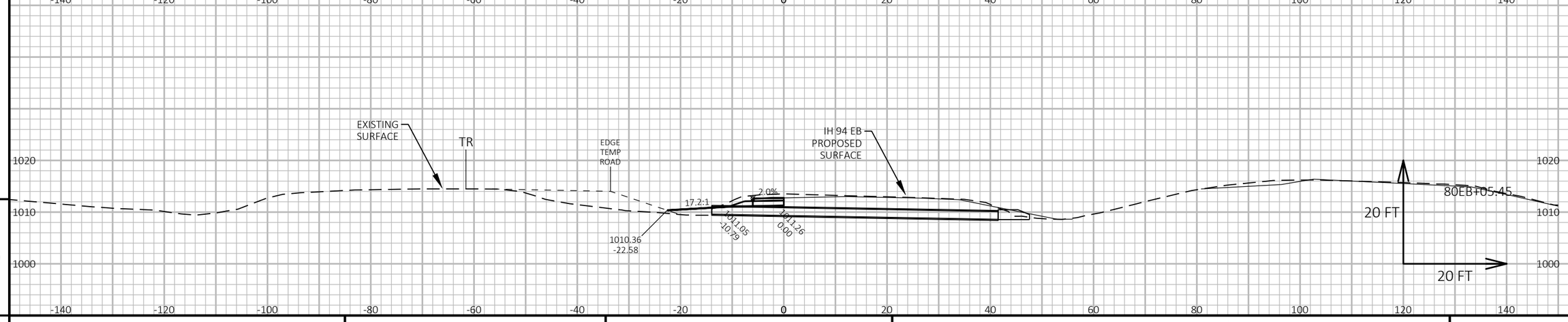
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 784	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 27

PLOT DATE : 11/1/2021 8:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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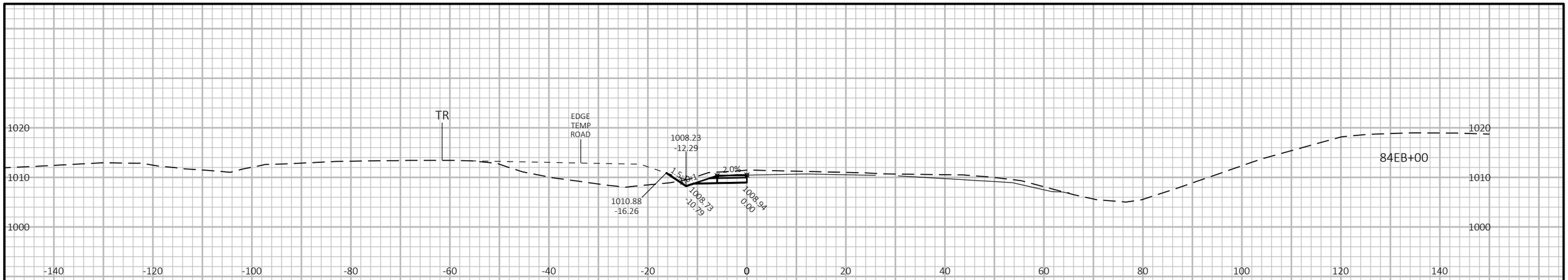
9

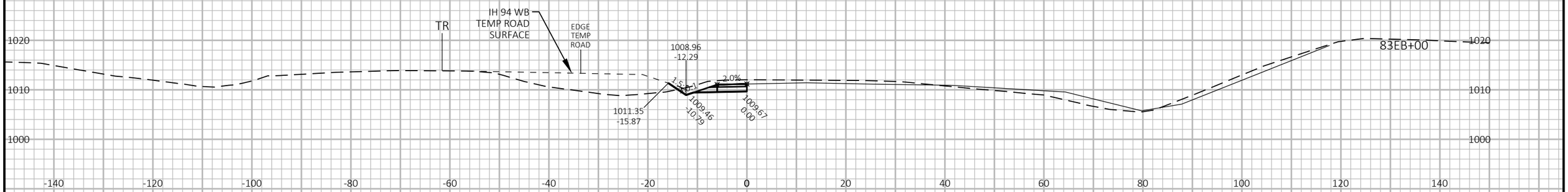
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 785	E

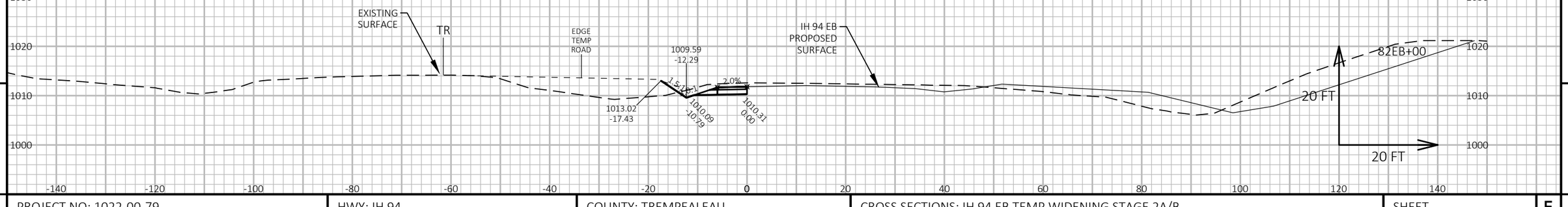
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 28

PLOT DATE : 11/1/2021 8:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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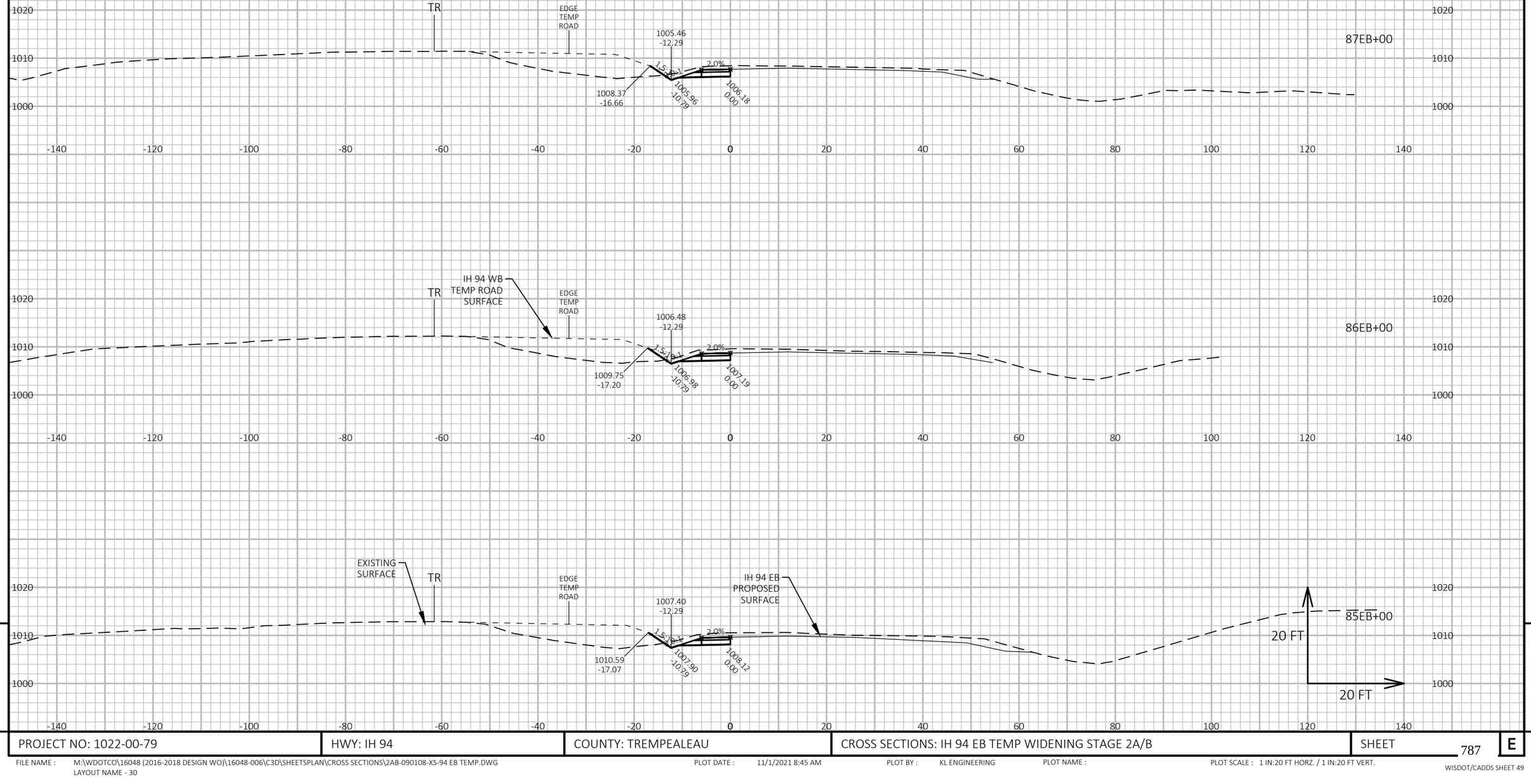
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 786	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 29

PLOT DATE : 11/1/2021 8:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 787 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 30

PLOT DATE : 11/1/2021 8:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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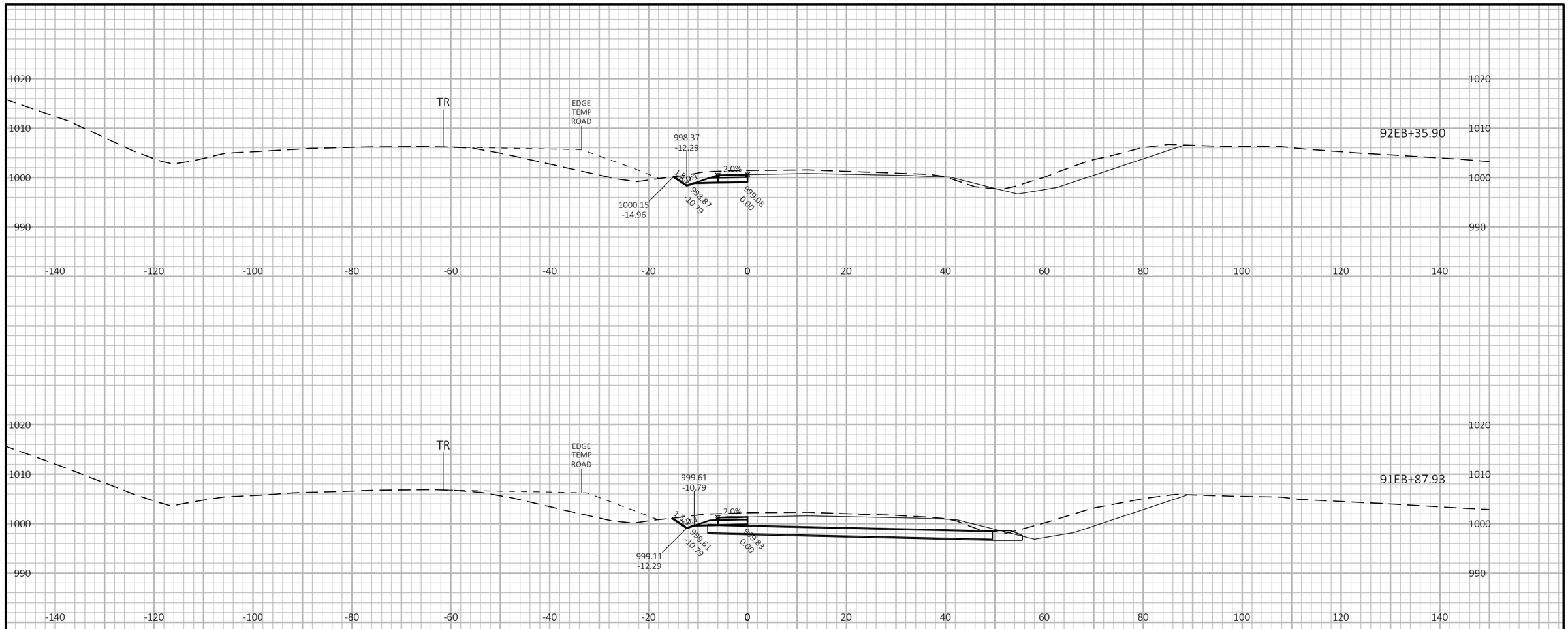
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 788	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 31

PLOT DATE : 11/1/2021 8:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

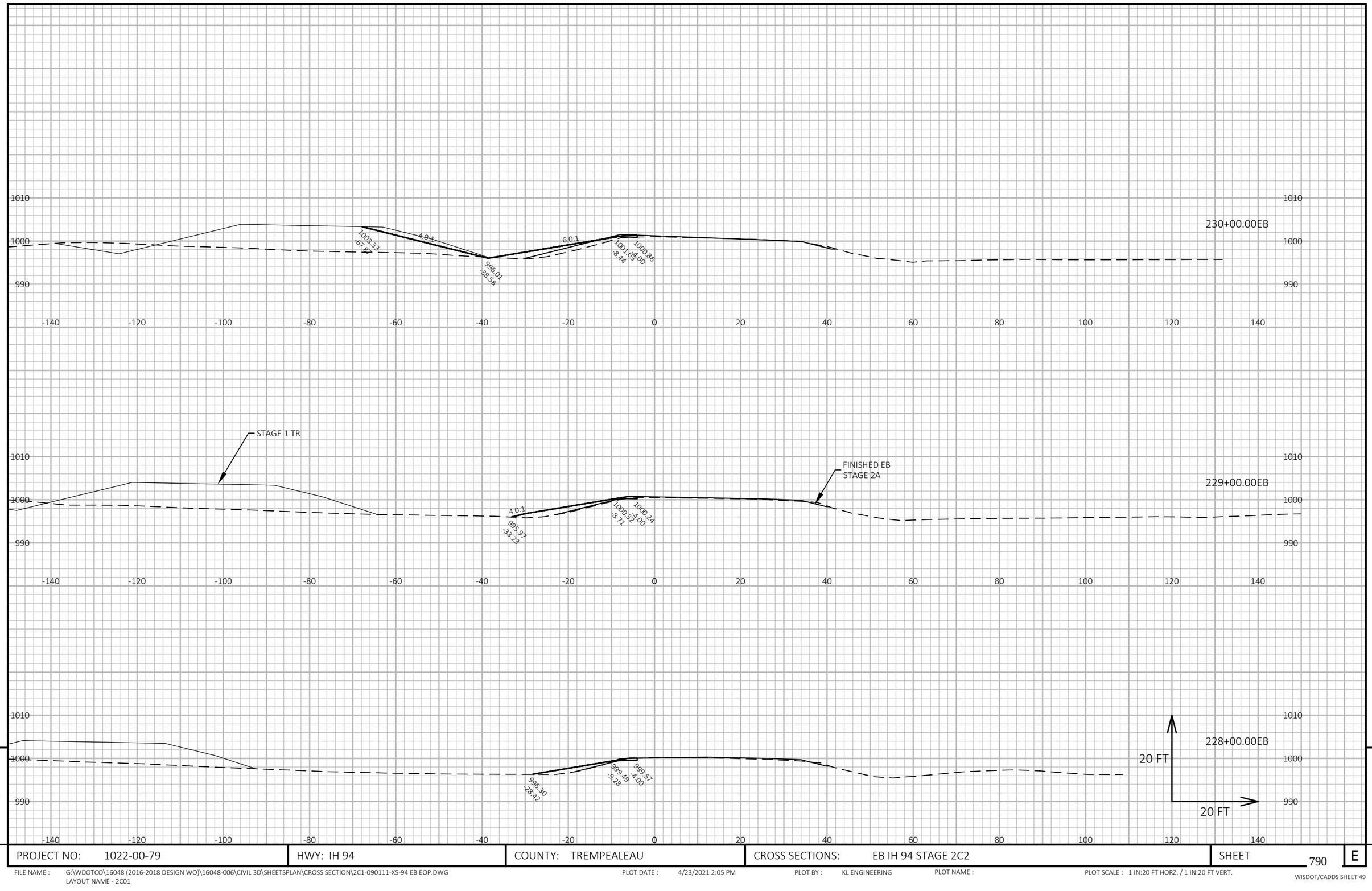


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 2A/B	SHEET 789	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2AB-090108-XS-94 EB TEMP.DWG
LAYOUT NAME - 32

PLOT DATE : 11/1/2021 8:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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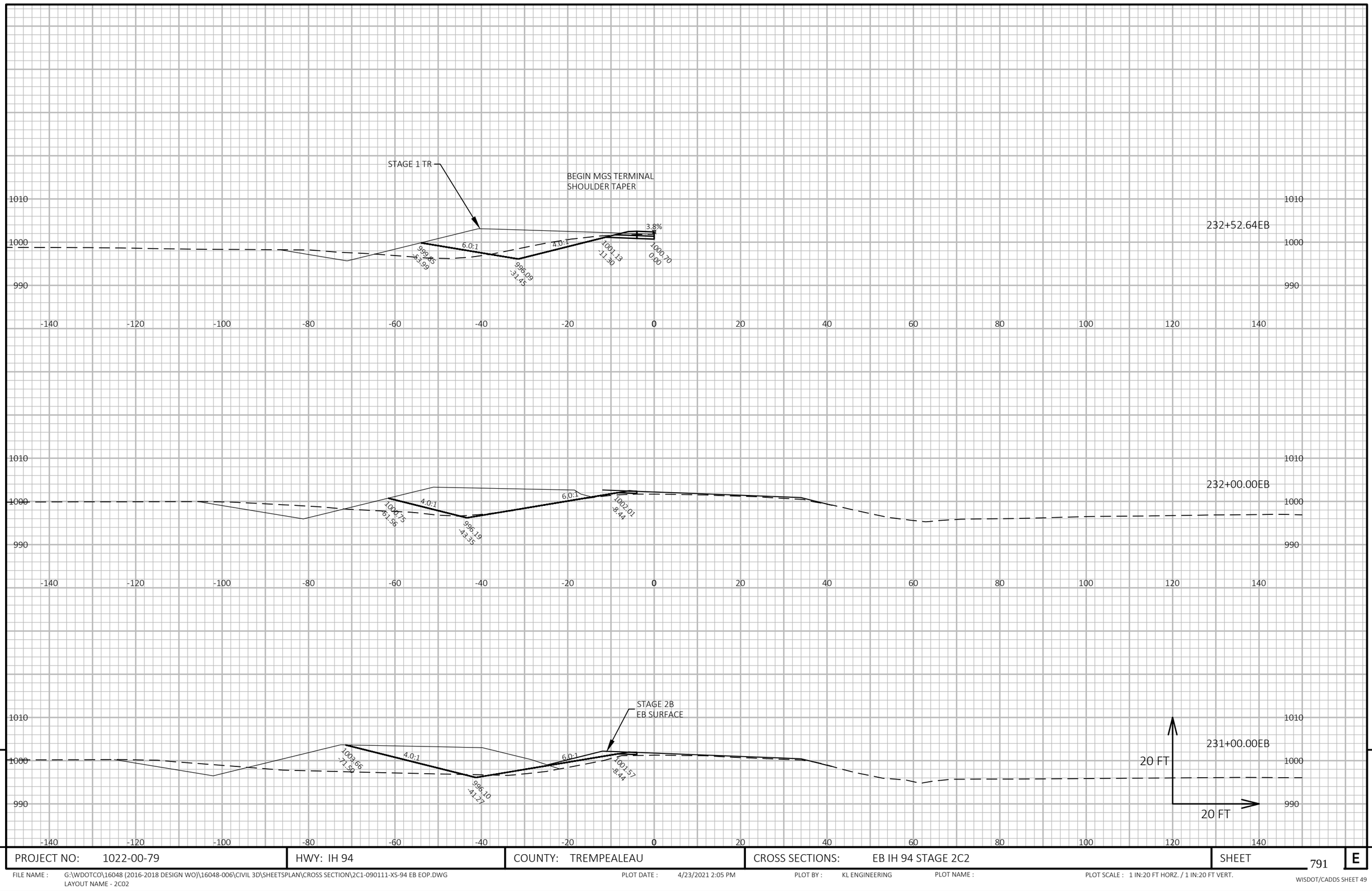
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: EB IH 94 STAGE 2C2	SHEET 790	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\2C1-090111-XS-94 EB EOP.DWG
LAYOUT NAME - 2C01

PLOT DATE : 4/23/2021 2:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

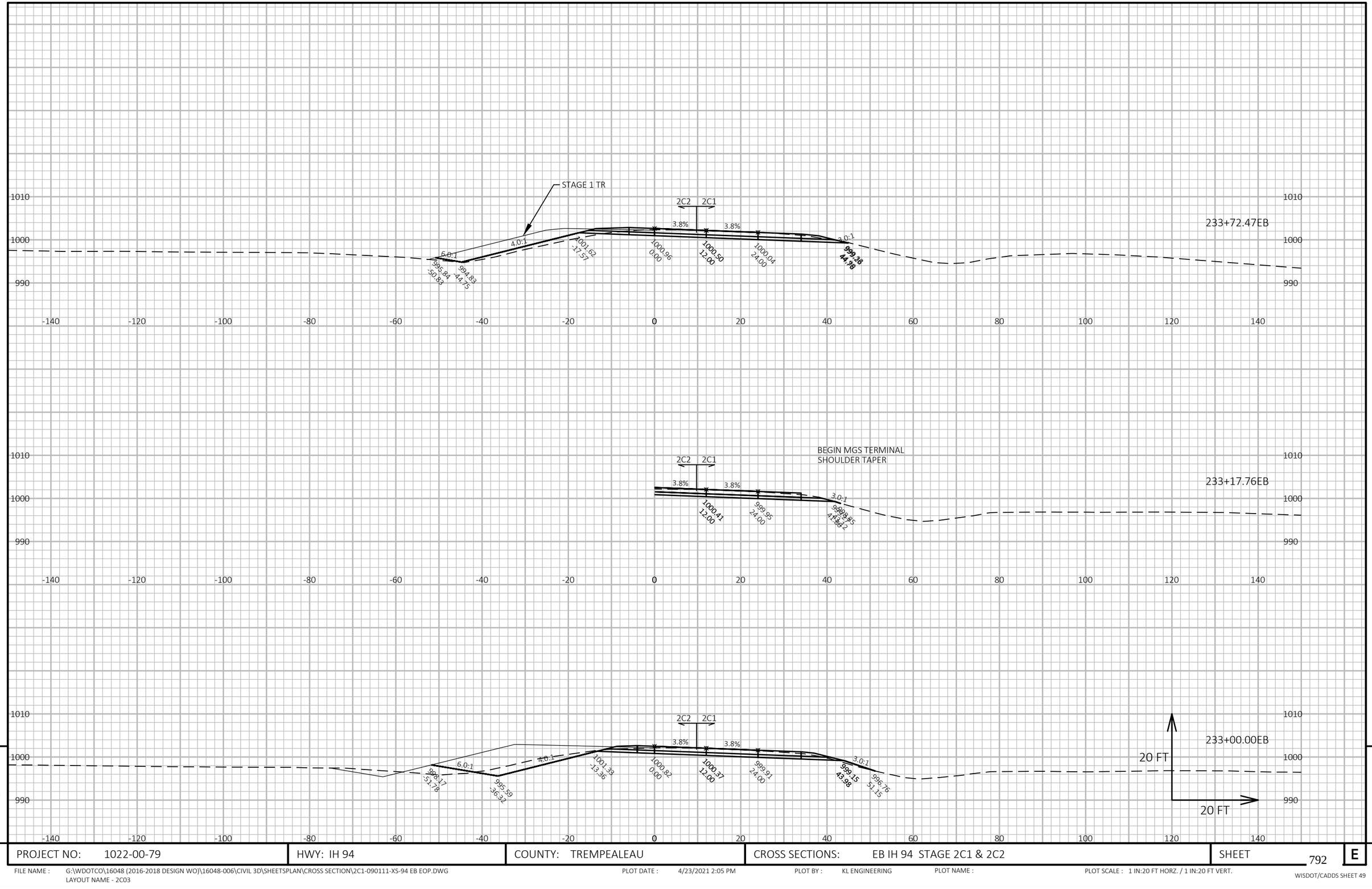


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: EB IH 94 STAGE 2C2	SHEET 791	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\2C1-090111-XS-94 EB EOP.DWG
LAYOUT NAME - 2C02

PLOT DATE : 4/23/2021 2:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



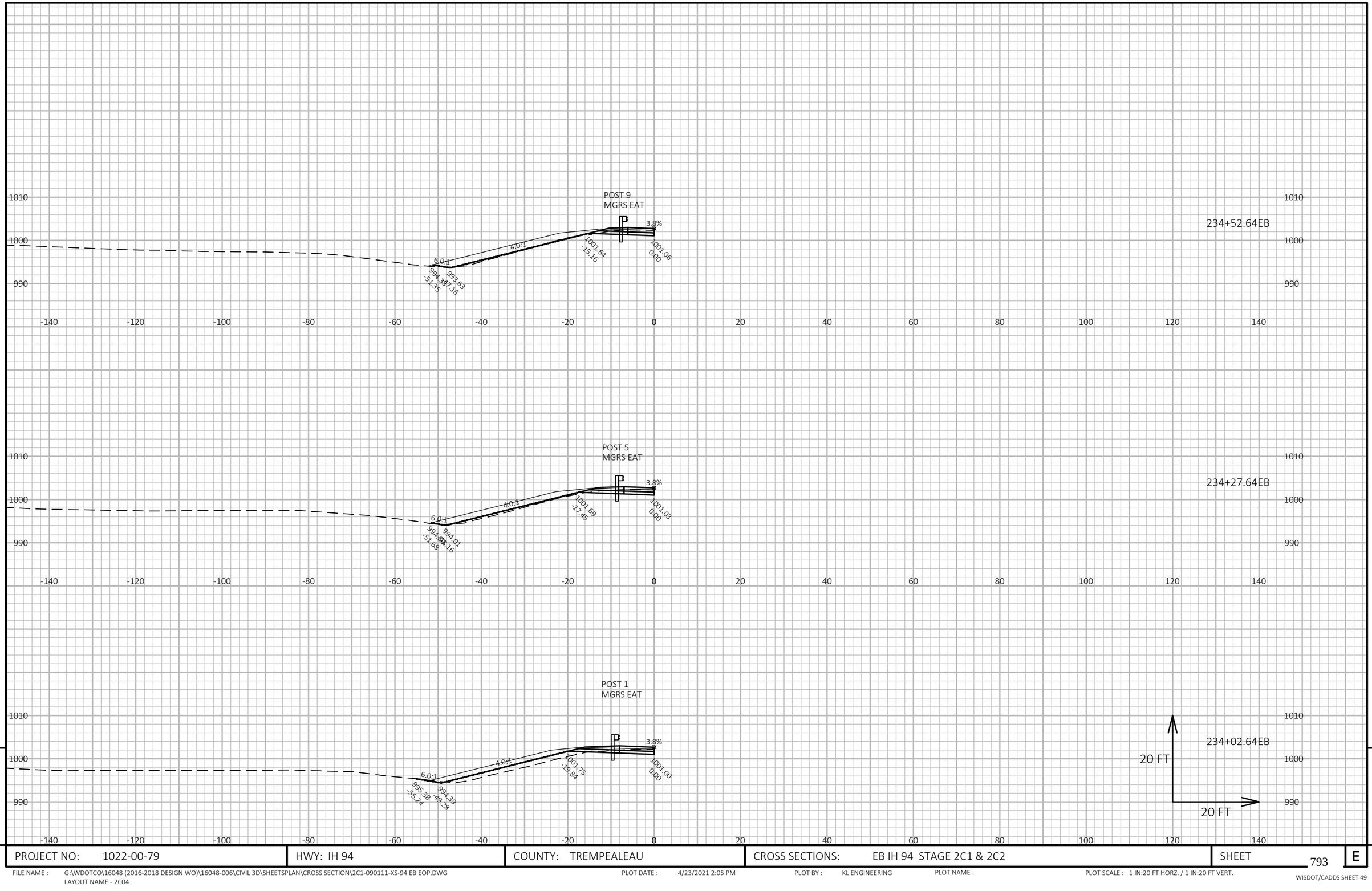
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: EB IH 94 STAGE 2C1 & 2C2	SHEET 792 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\2C1-090111-XS-94 EB EOP.DWG
LAYOUT NAME - 2C03

PLOT DATE : 4/23/2021 2:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



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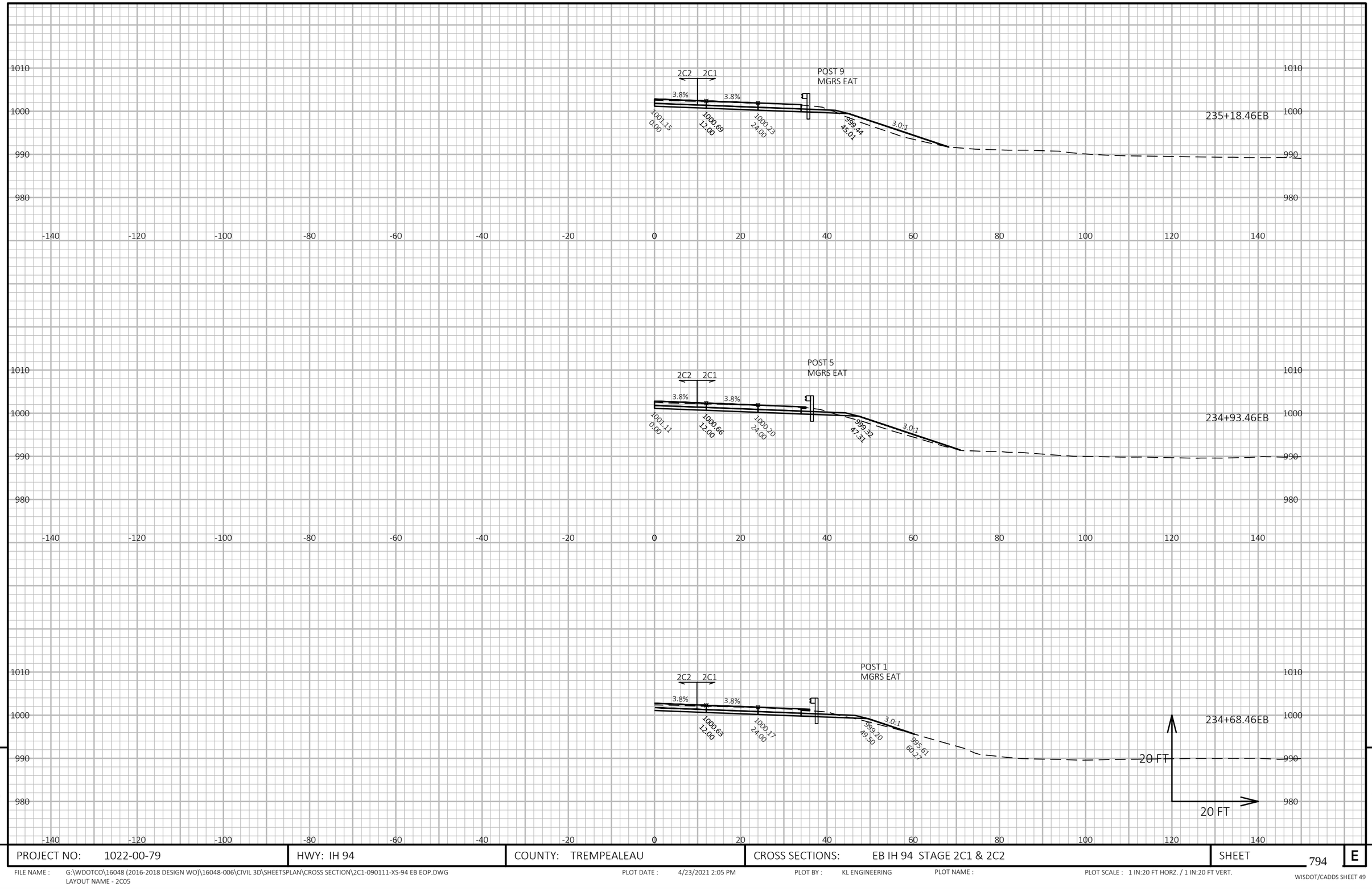
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: EB IH 94 STAGE 2C1 & 2C2	SHEET 793	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\2C1-090111-XS-94 EB EOP.DWG
LAYOUT NAME - 2C04

PLOT DATE : 4/23/2021 2:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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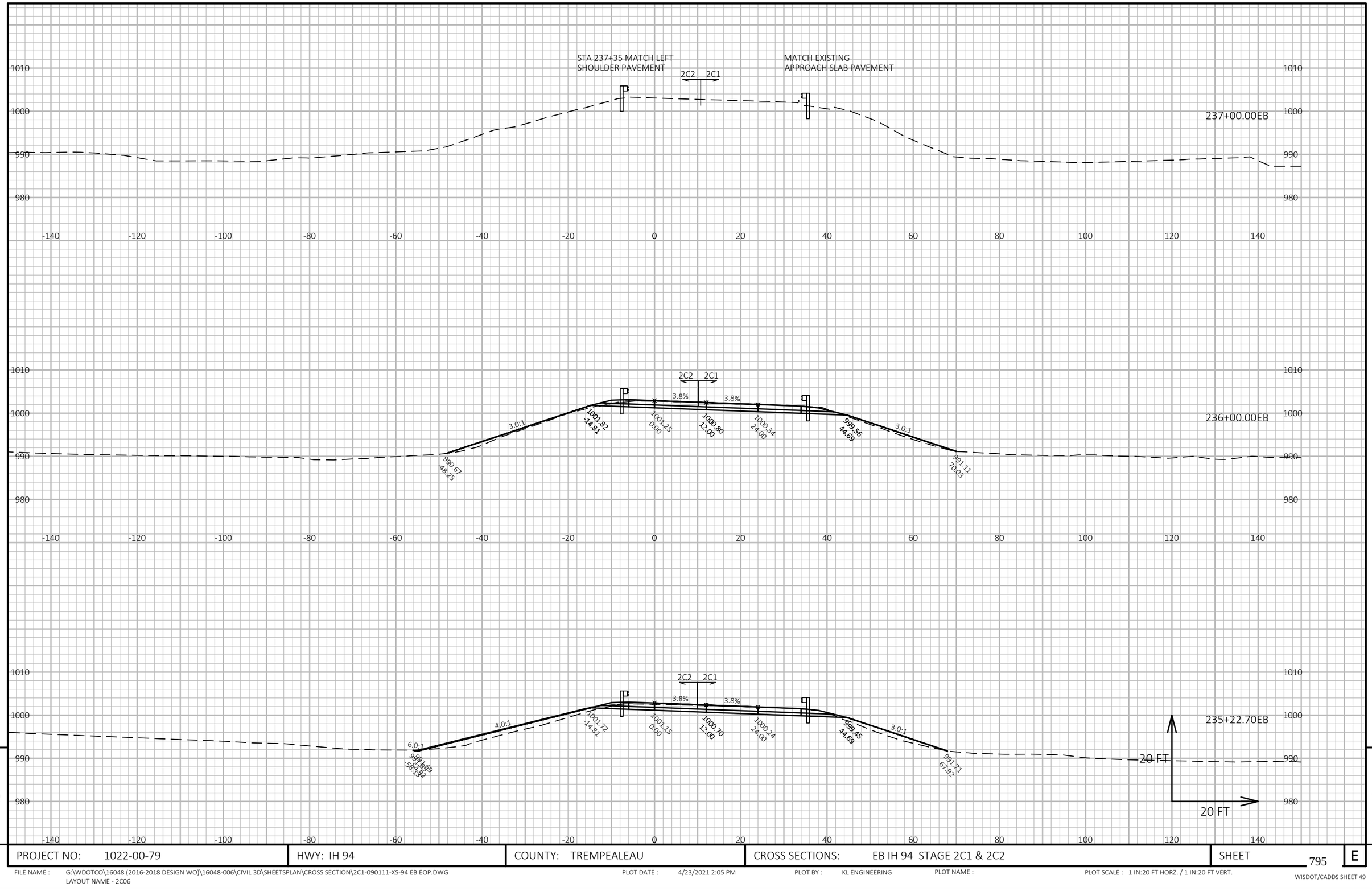
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: EB IH 94 STAGE 2C1 & 2C2	SHEET 794	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\2C1-090111-XS-94 EB EOP.DWG
LAYOUT NAME - 2C05

PLOT DATE : 4/23/2021 2:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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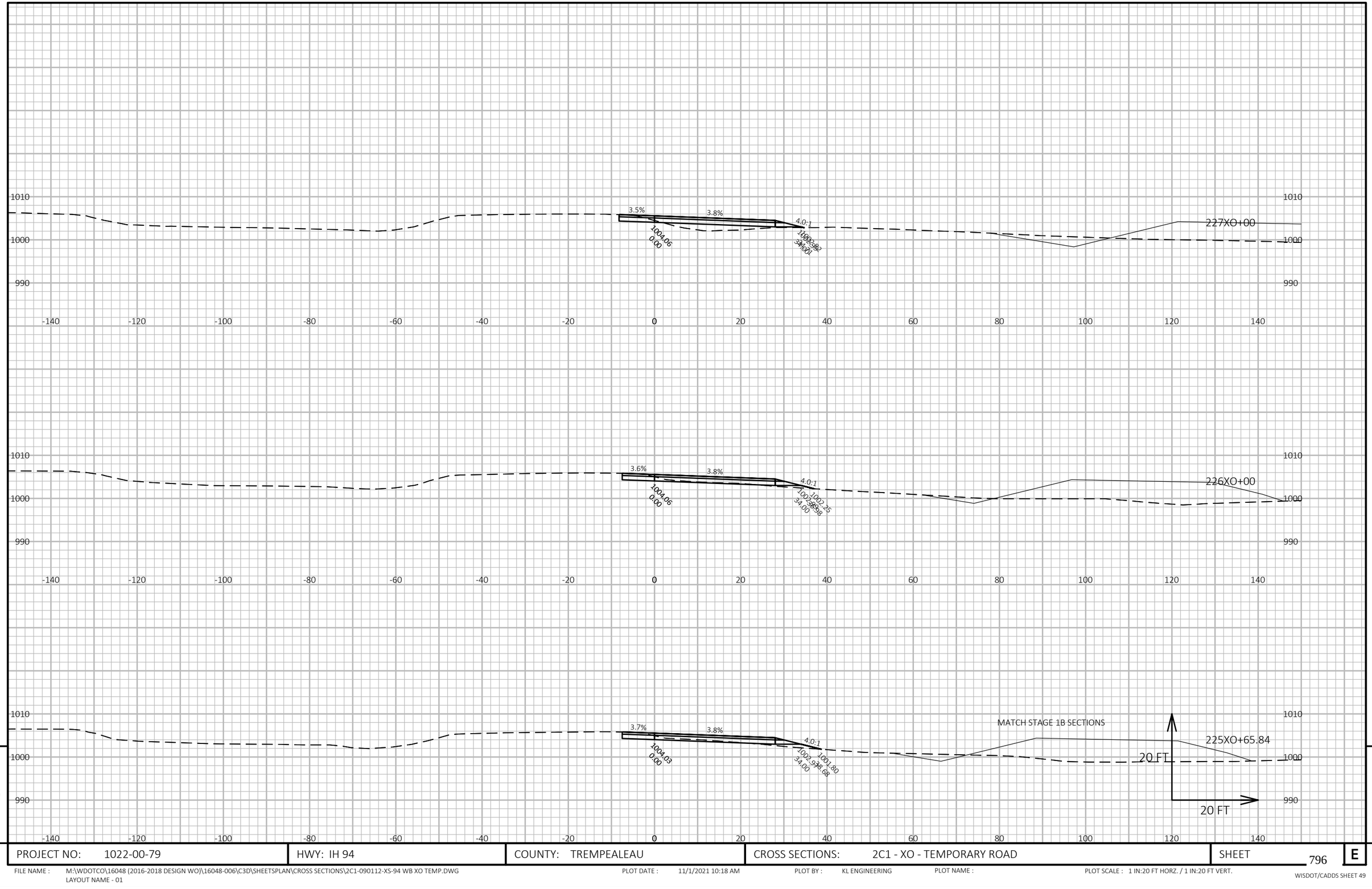
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: EB IH 94 STAGE 2C1 & 2C2	SHEET 795	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\2C1-090111-XS-94 EB EOP.DWG
LAYOUT NAME - 2C06

PLOT DATE : 4/23/2021 2:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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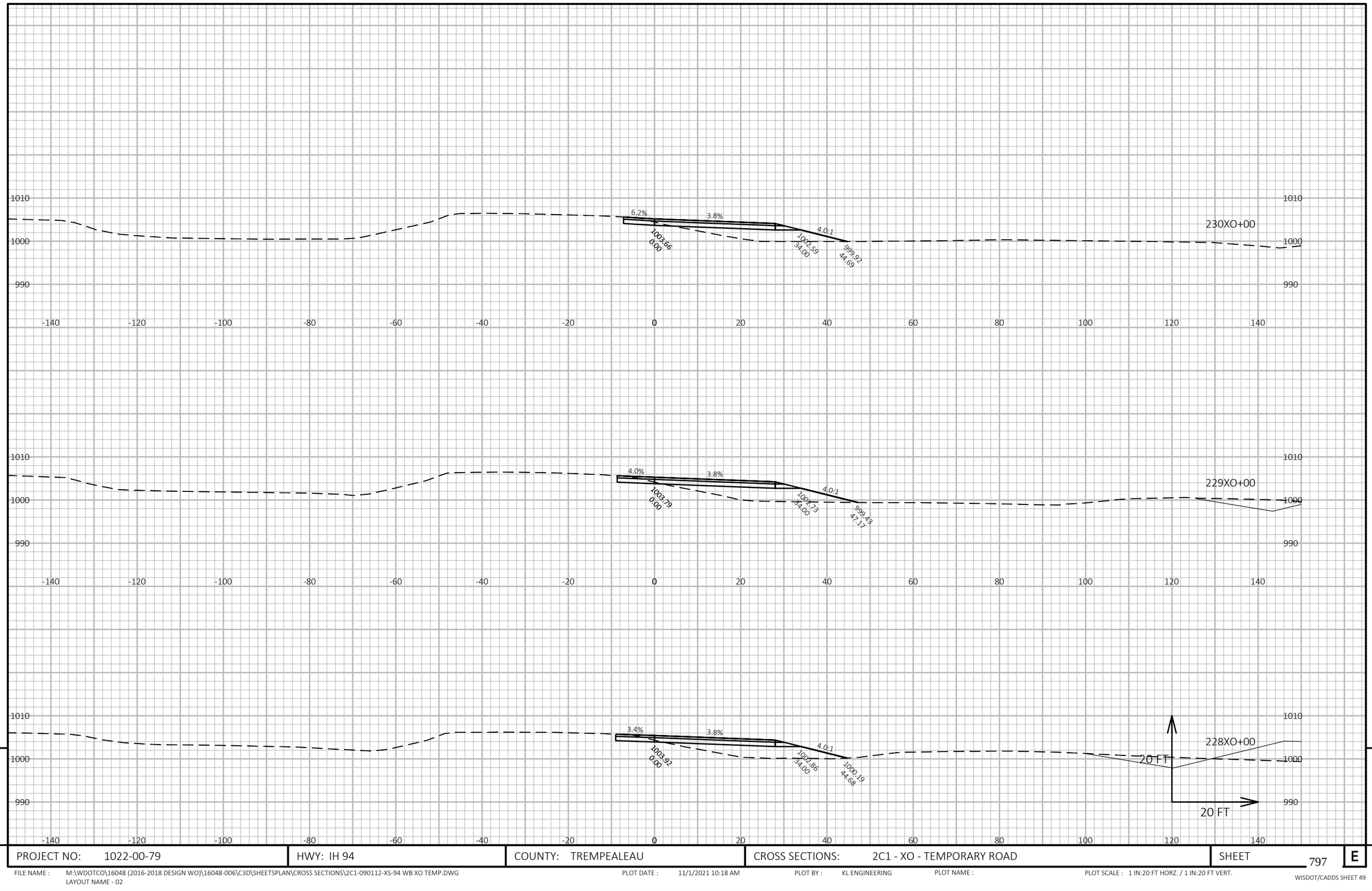
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: 2C1 - XO - TEMPORARY ROAD	SHEET 796	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2C1-090112-XS-94 WB XO TEMP.DWG
LAYOUT NAME - 01

PLOT DATE : 11/1/2021 10:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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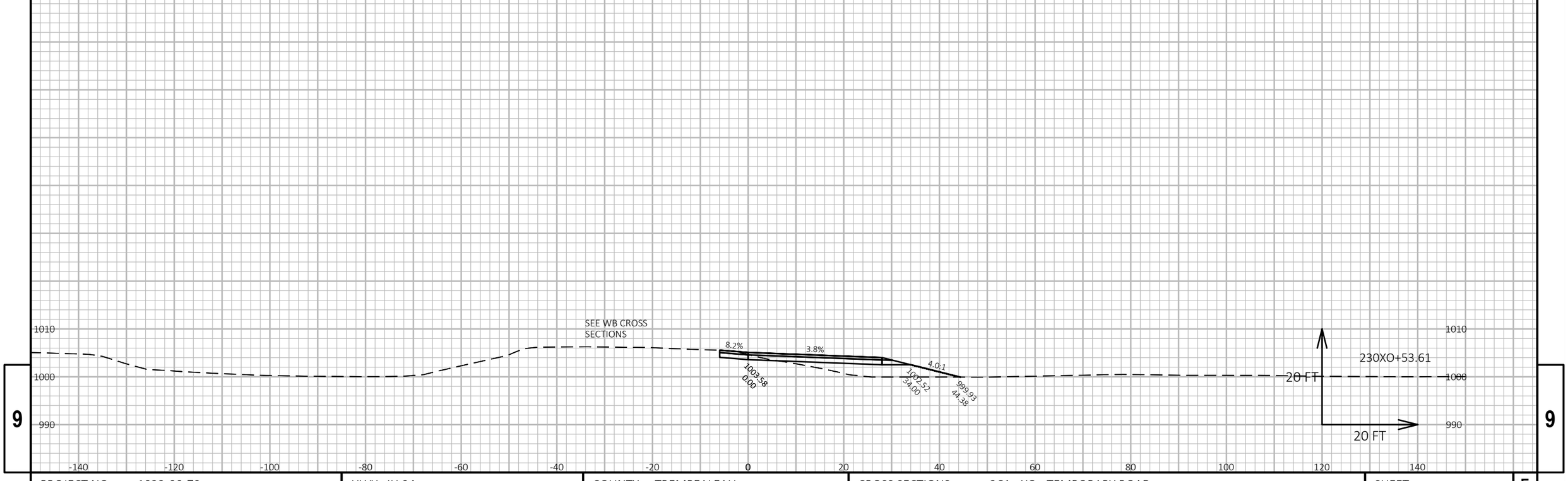
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: 2C1 - XO - TEMPORARY ROAD	SHEET 797	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2C1-090112-XS-94 WB XO TEMP.DWG
LAYOUT NAME - 02

PLOT DATE : 11/1/2021 10:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



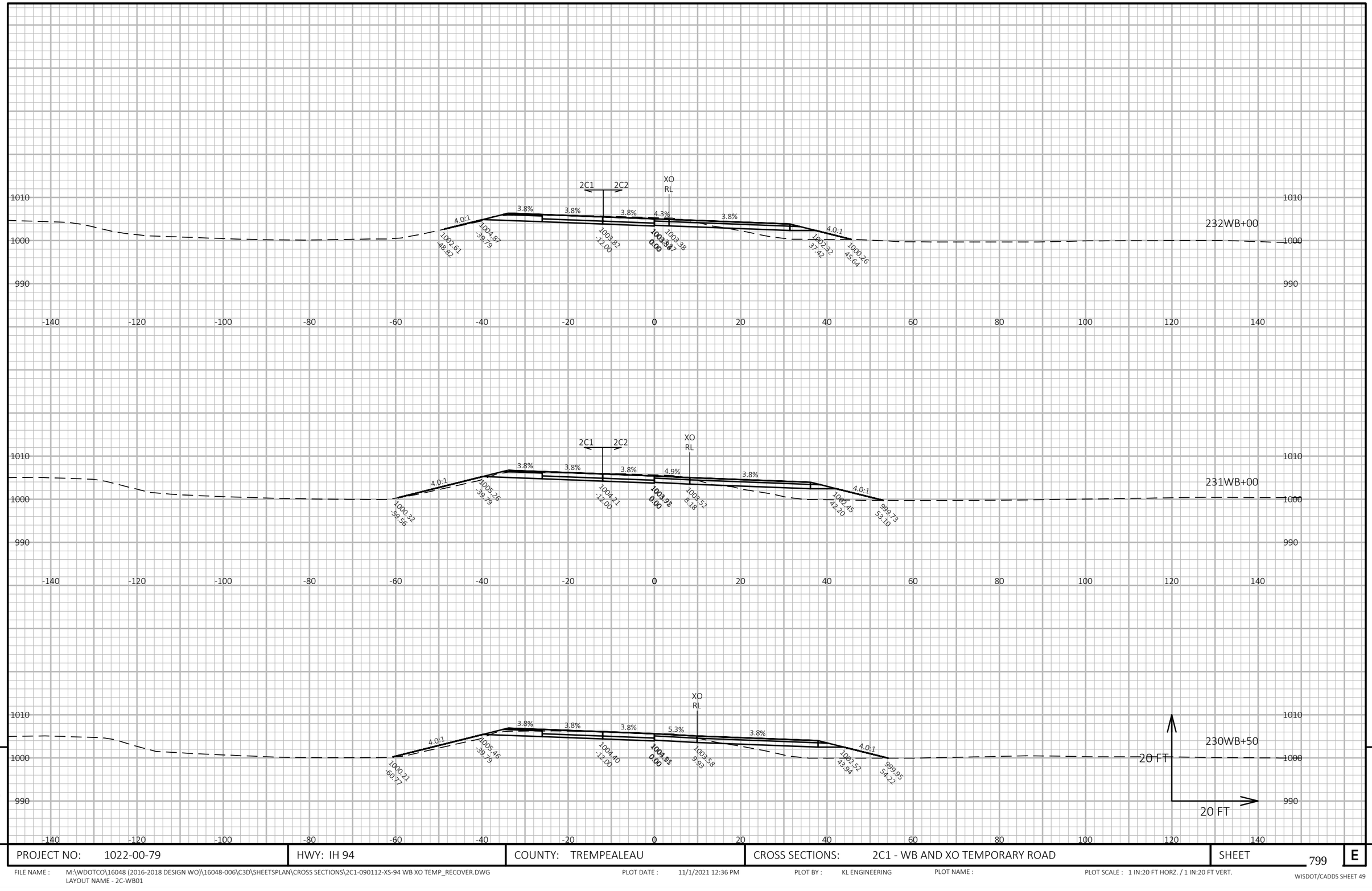
9

9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: 2C1 - XO - TEMPORARY ROAD	SHEET 798	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2C1-090112-XS-94 WB XO TEMP.DWG
LAYOUT NAME - 03

PLOT DATE : 11/1/2021 10:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

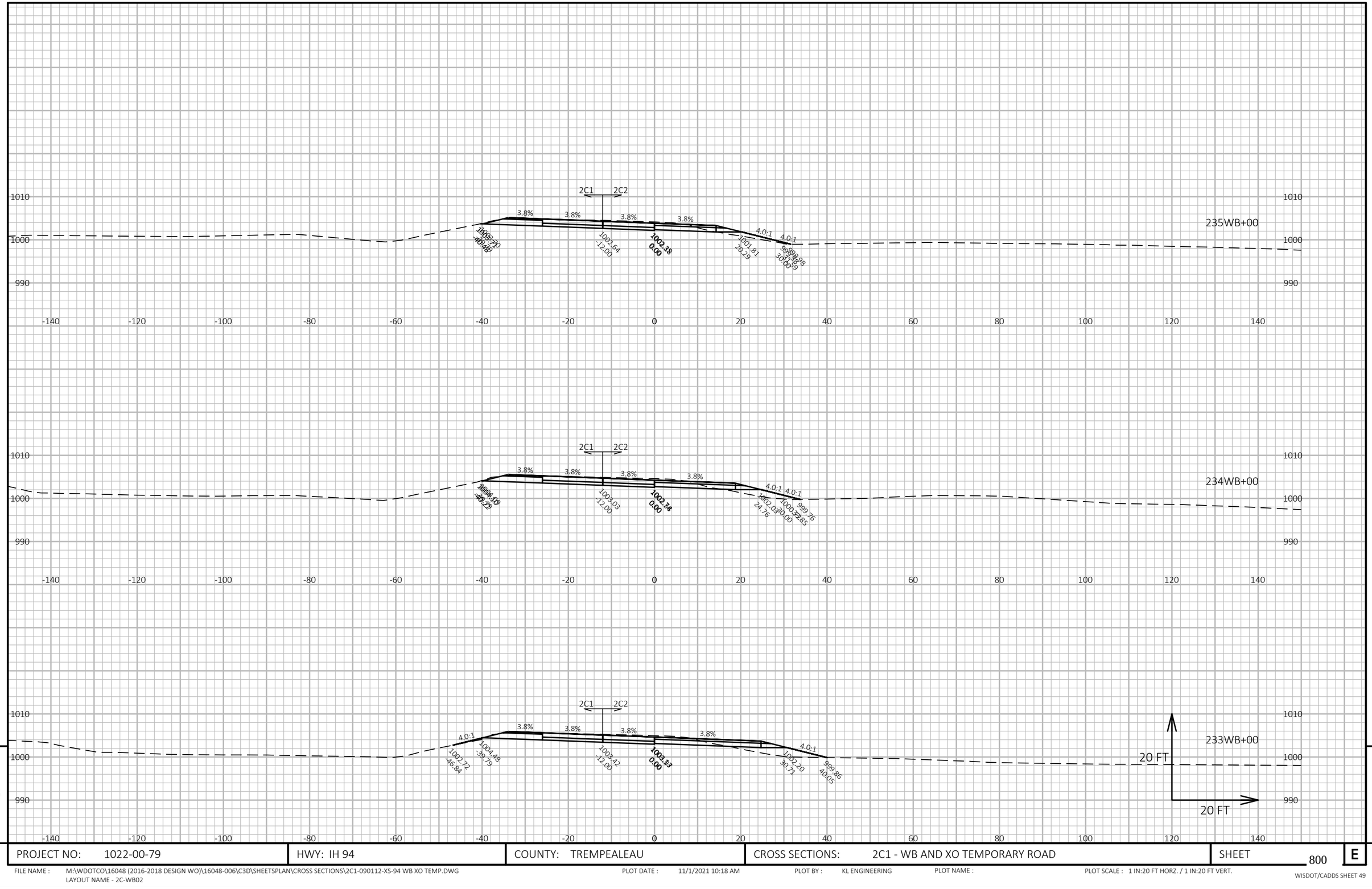


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: 2C1 - WB AND XO TEMPORARY ROAD	SHEET 799	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2C1-090112-XS-94 WB XO TEMP_RECOVER.DWG
LAYOUT NAME - 2C-WB01

PLOT DATE : 11/1/2021 12:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



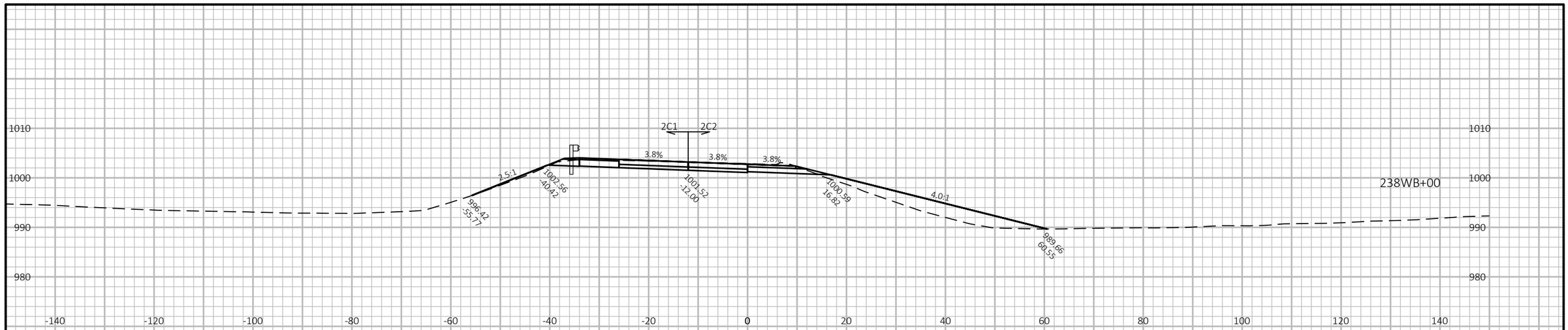
9

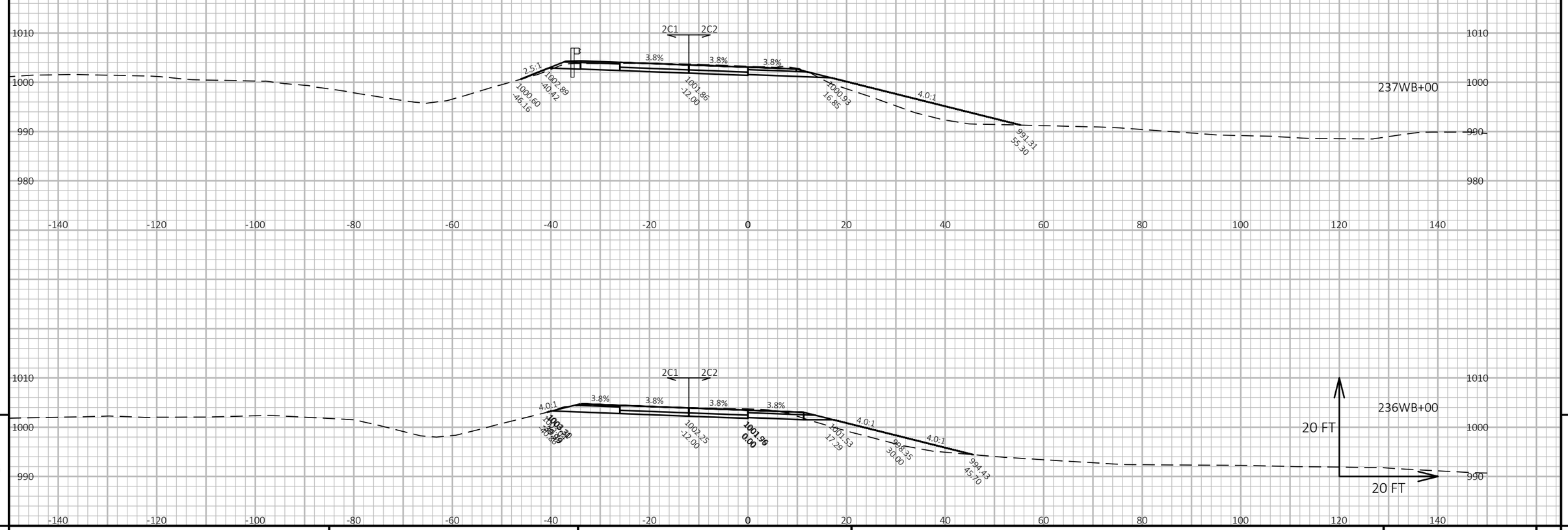
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: 2C1 - WB AND XO TEMPORARY ROAD	SHEET 800	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2C1-090112-XS-94 WB XO TEMP.DWG
LAYOUT NAME - 2C-WB02

PLOT DATE : 11/1/2021 10:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





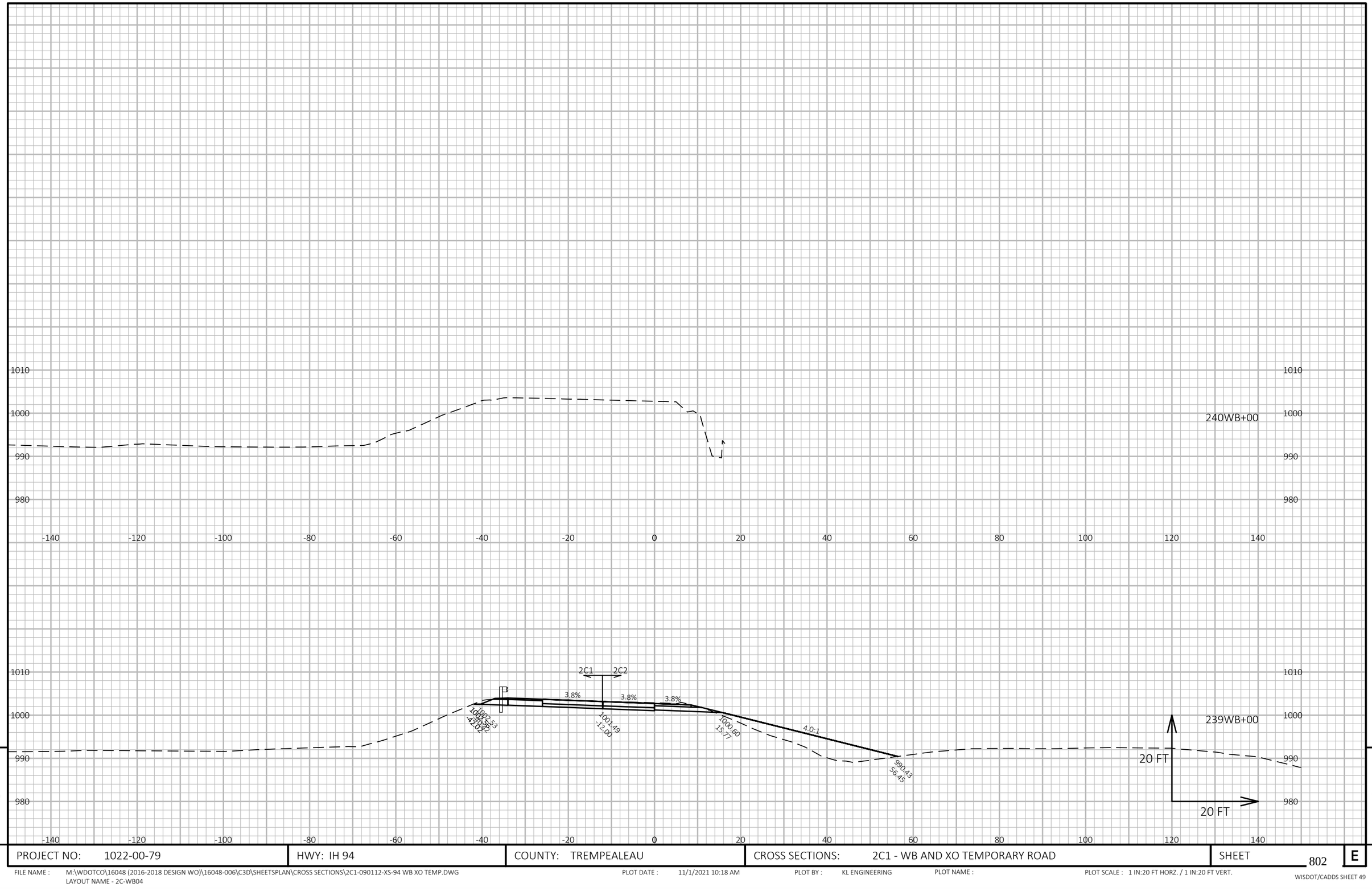
9

9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: 2C1 - WB AND XO TEMPORARY ROAD	SHEET 801	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2C1-090112-XS-94 WB XO TEMP.DWG
LAYOUT NAME - 2C-WB03

PLOT DATE : 11/1/2021 10:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: 2C1 - WB AND XO TEMPORARY ROAD	SHEET 802	E

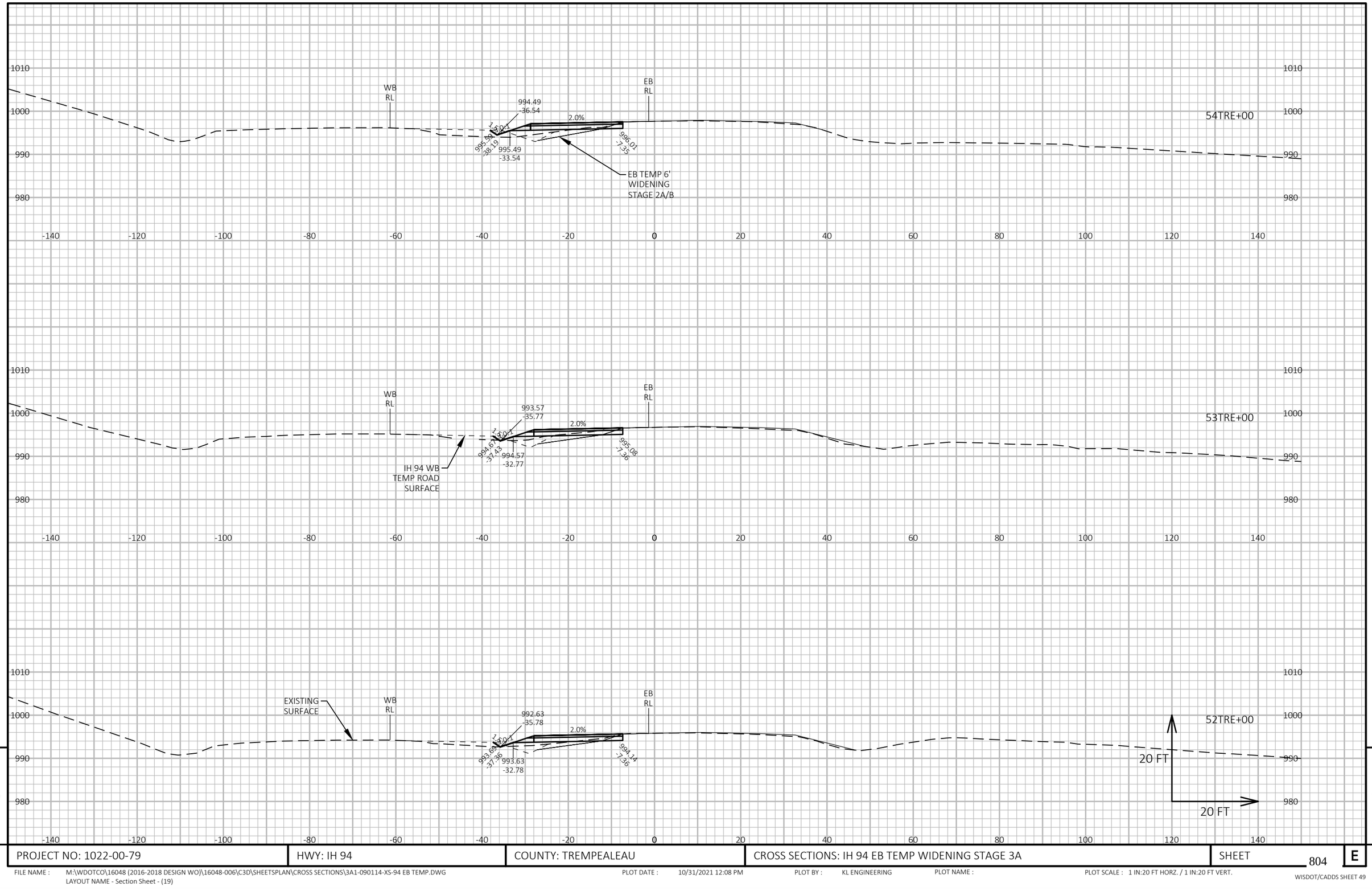
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\2C1-090112-XS-94 WB XO TEMP.DWG
LAYOUT NAME - 2C-WB04

PLOT DATE : 11/1/2021 10:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

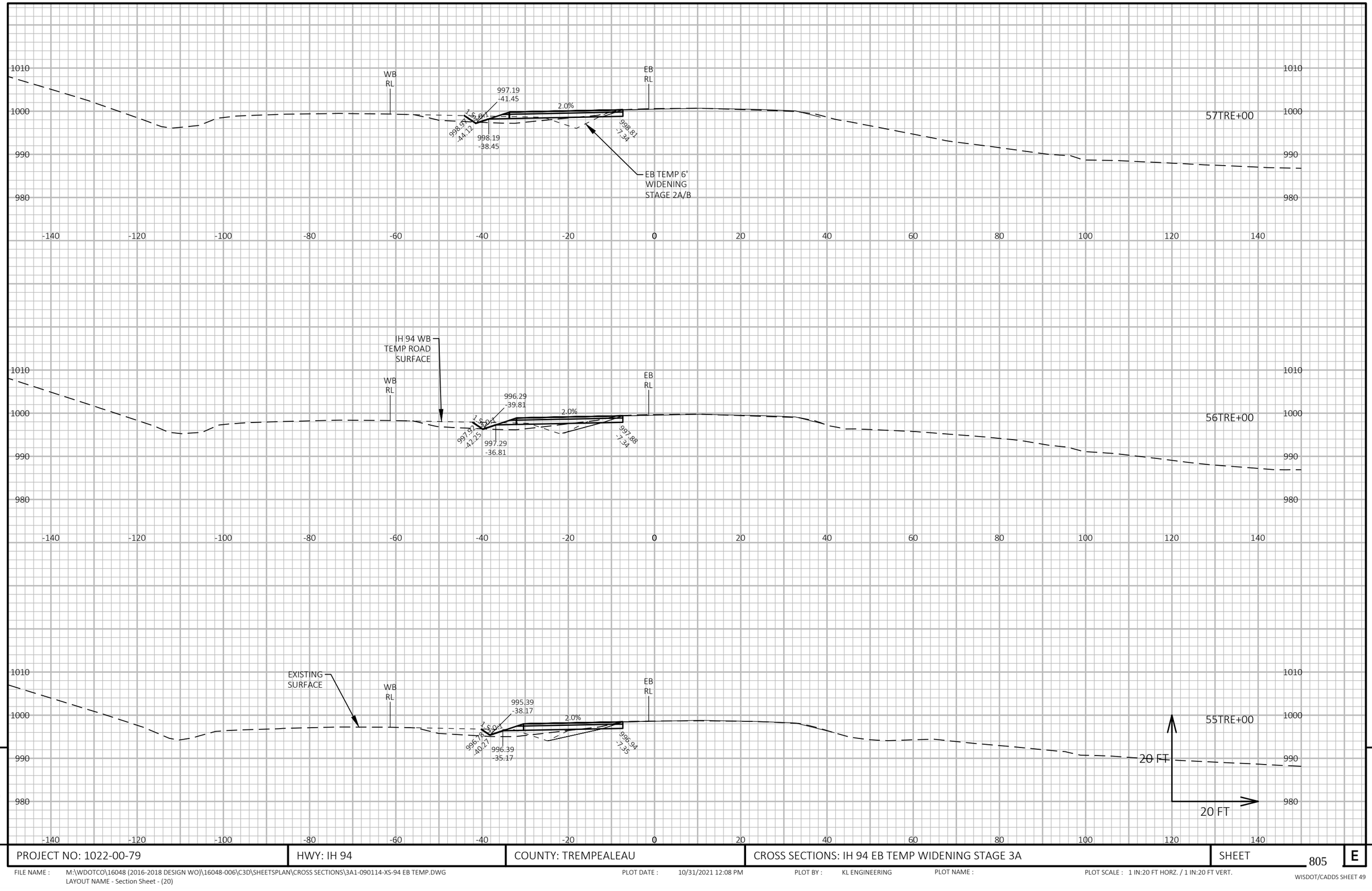
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 803	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (18)
PLOT DATE : 10/31/2021 12:08 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 804	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (19)
PLOT DATE : 10/31/2021 12:08 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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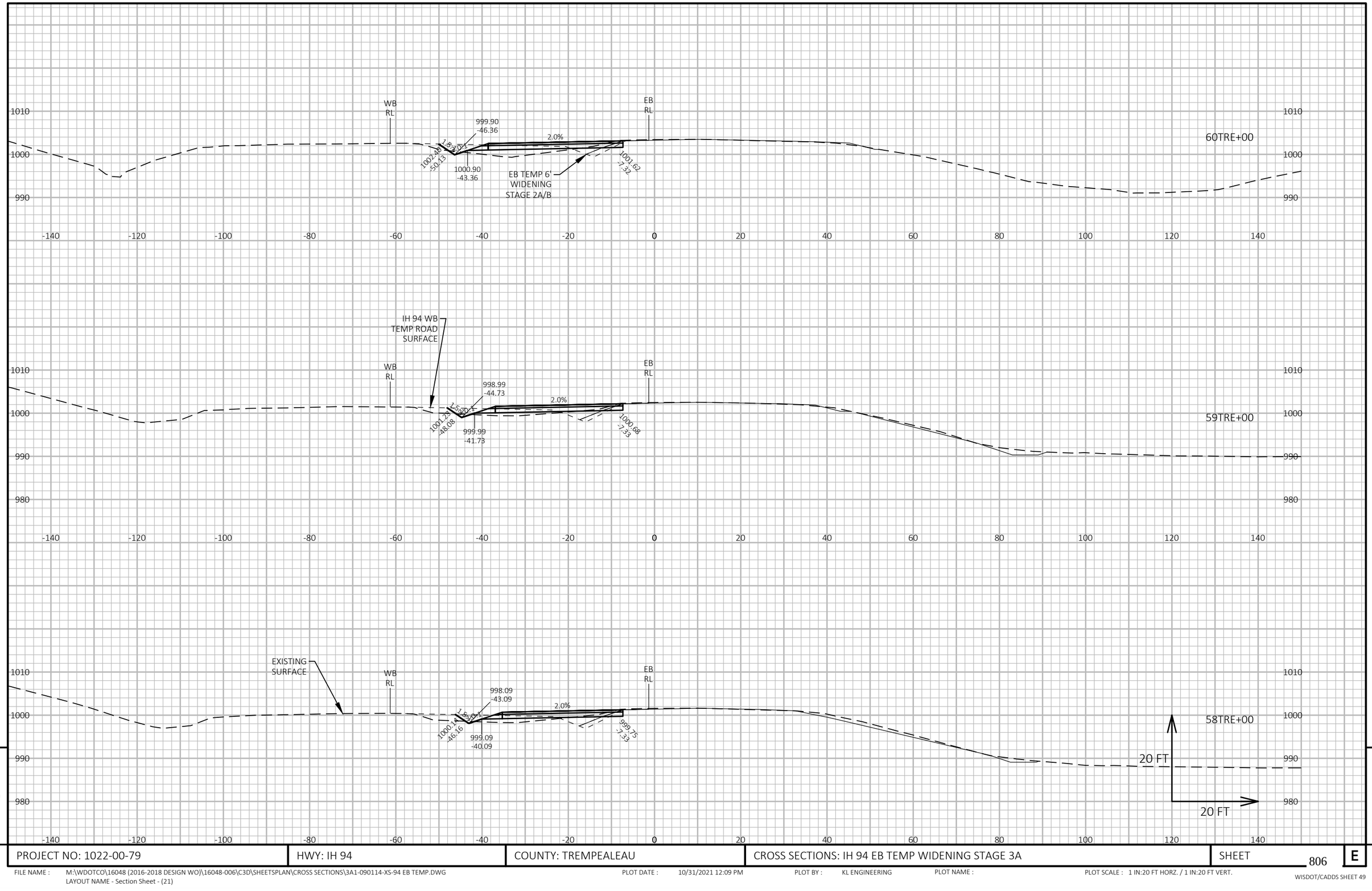
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 805	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (20)

PLOT DATE : 10/31/2021 12:08 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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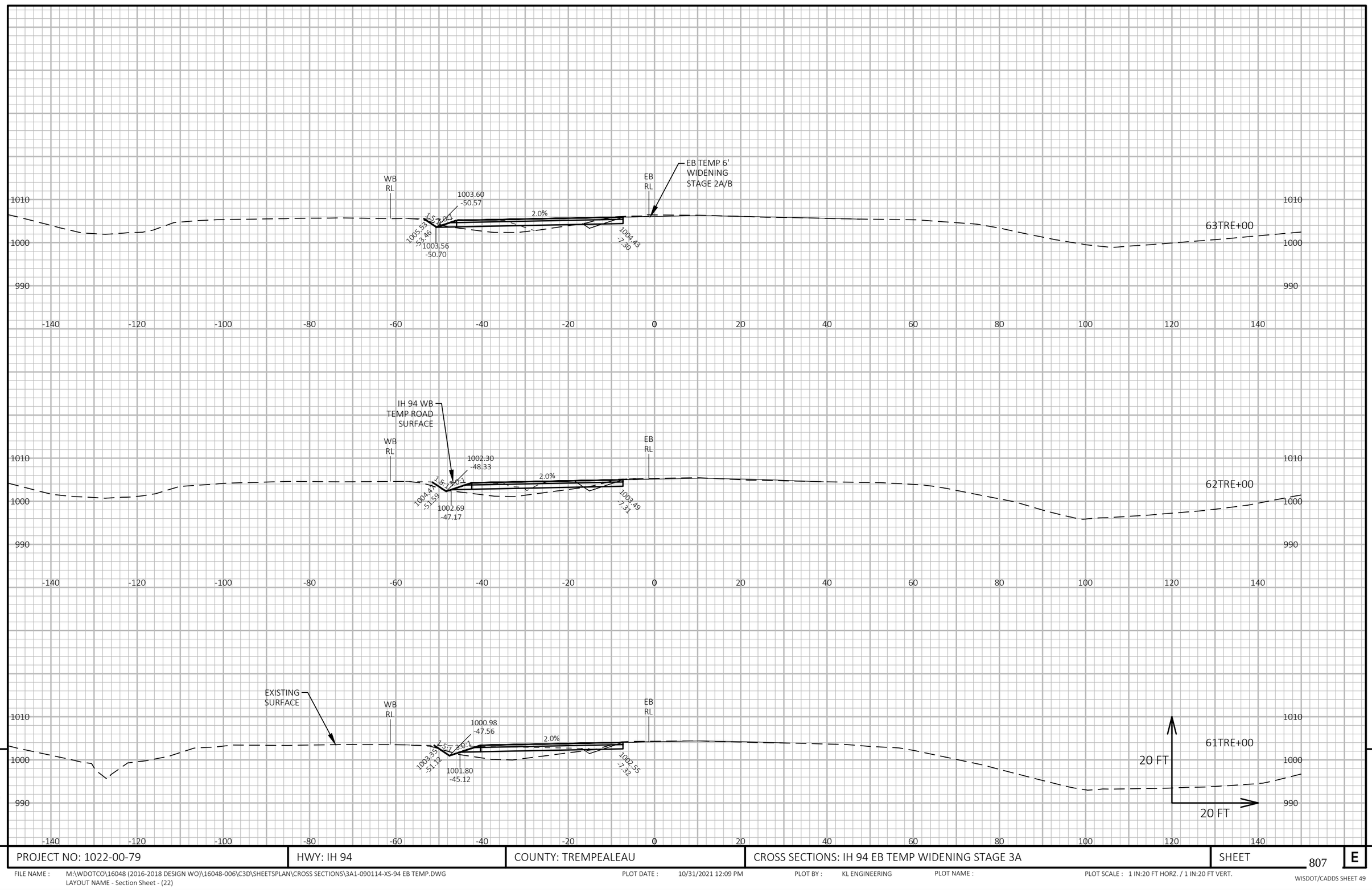
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 806	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (21)

PLOT DATE : 10/31/2021 12:09 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

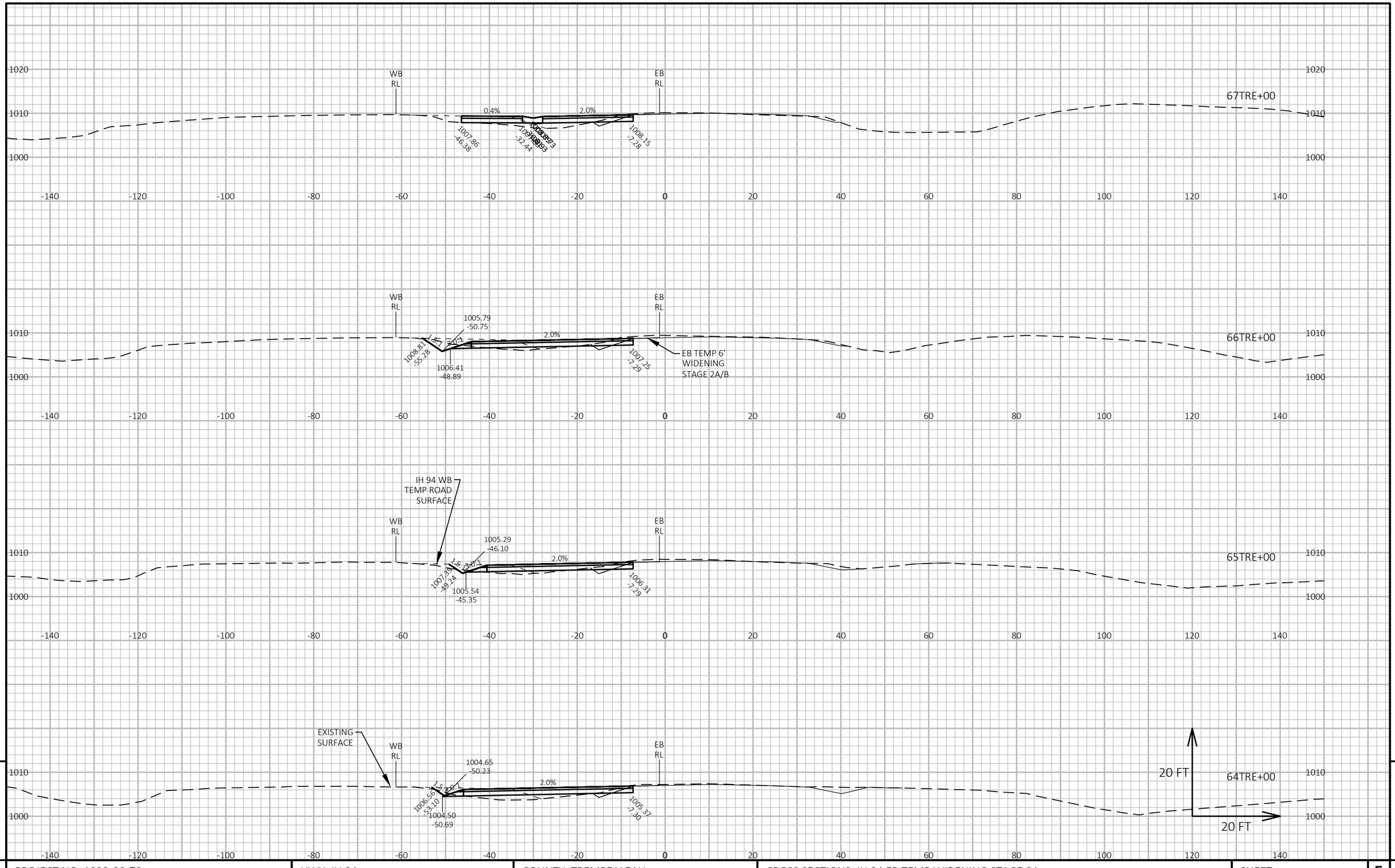


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 807	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (22)

PLOT DATE : 10/31/2021 12:09 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

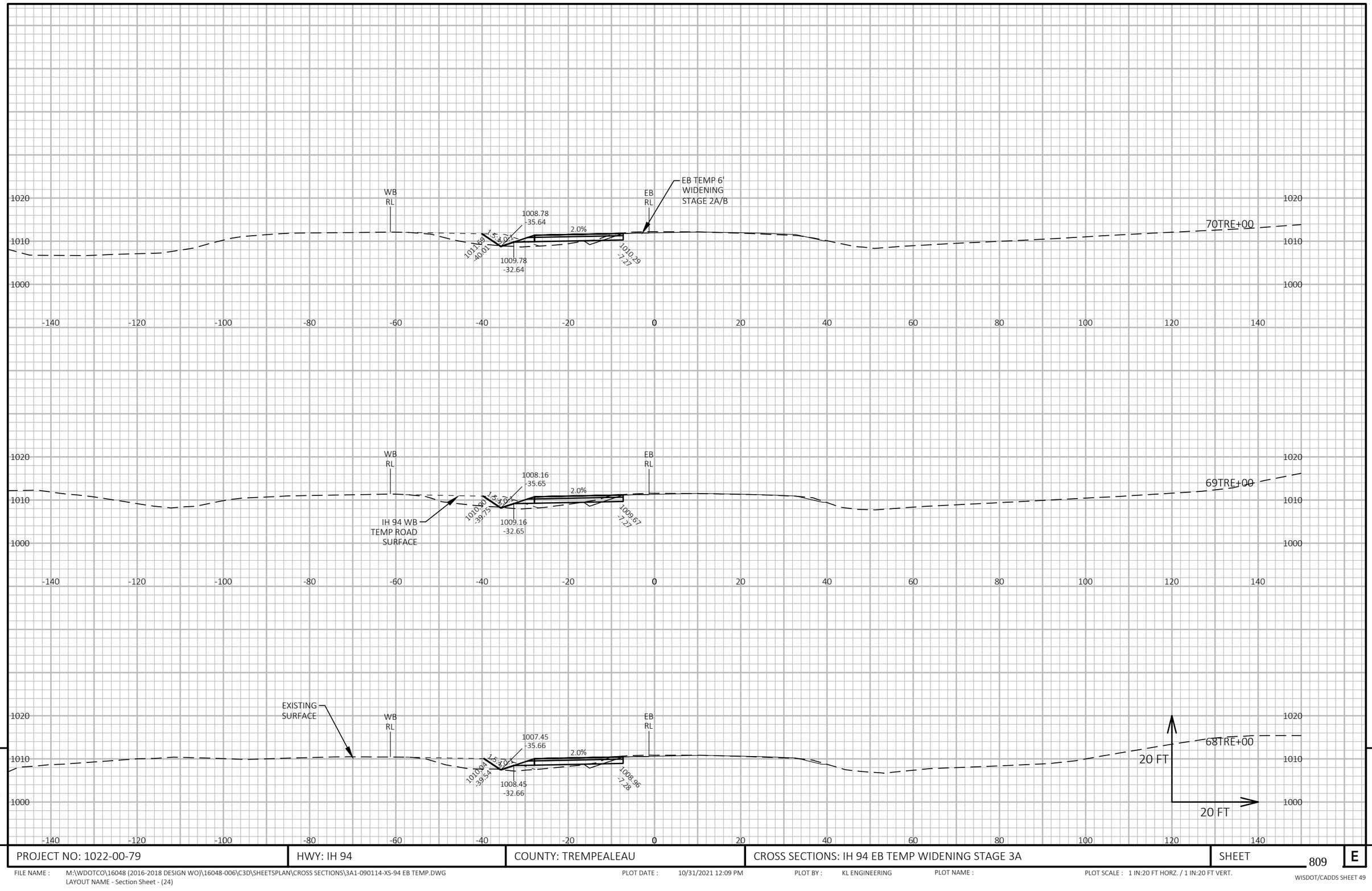


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 808	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (23)

PLOT DATE : 10/31/2021 12:09 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

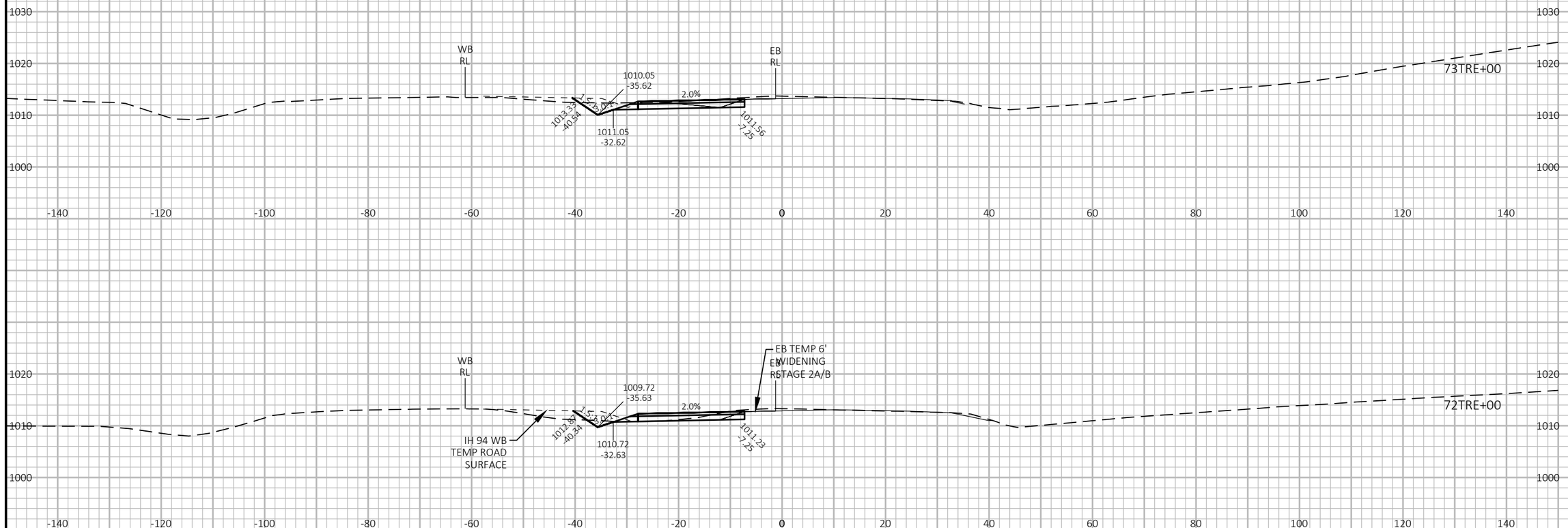


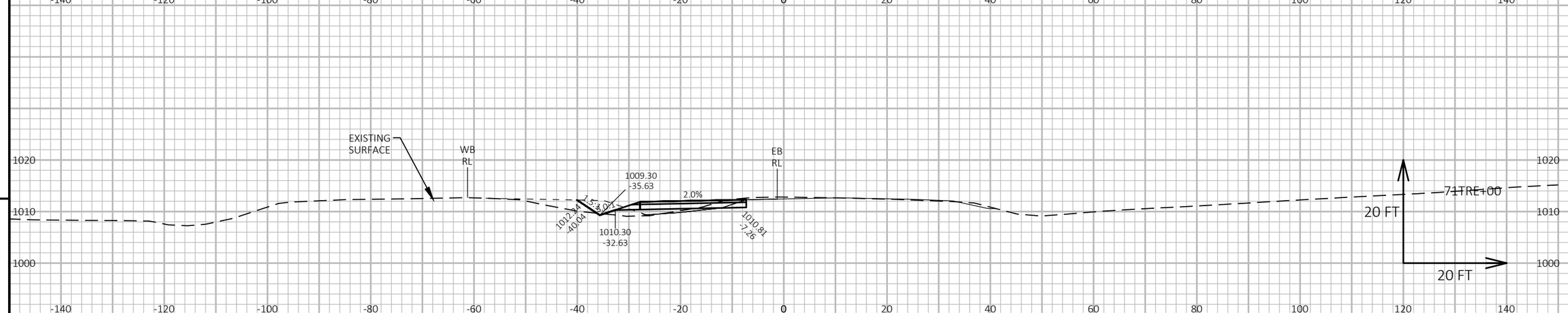
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 809	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (24)

PLOT DATE : 10/31/2021 12:09 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 810	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (25)

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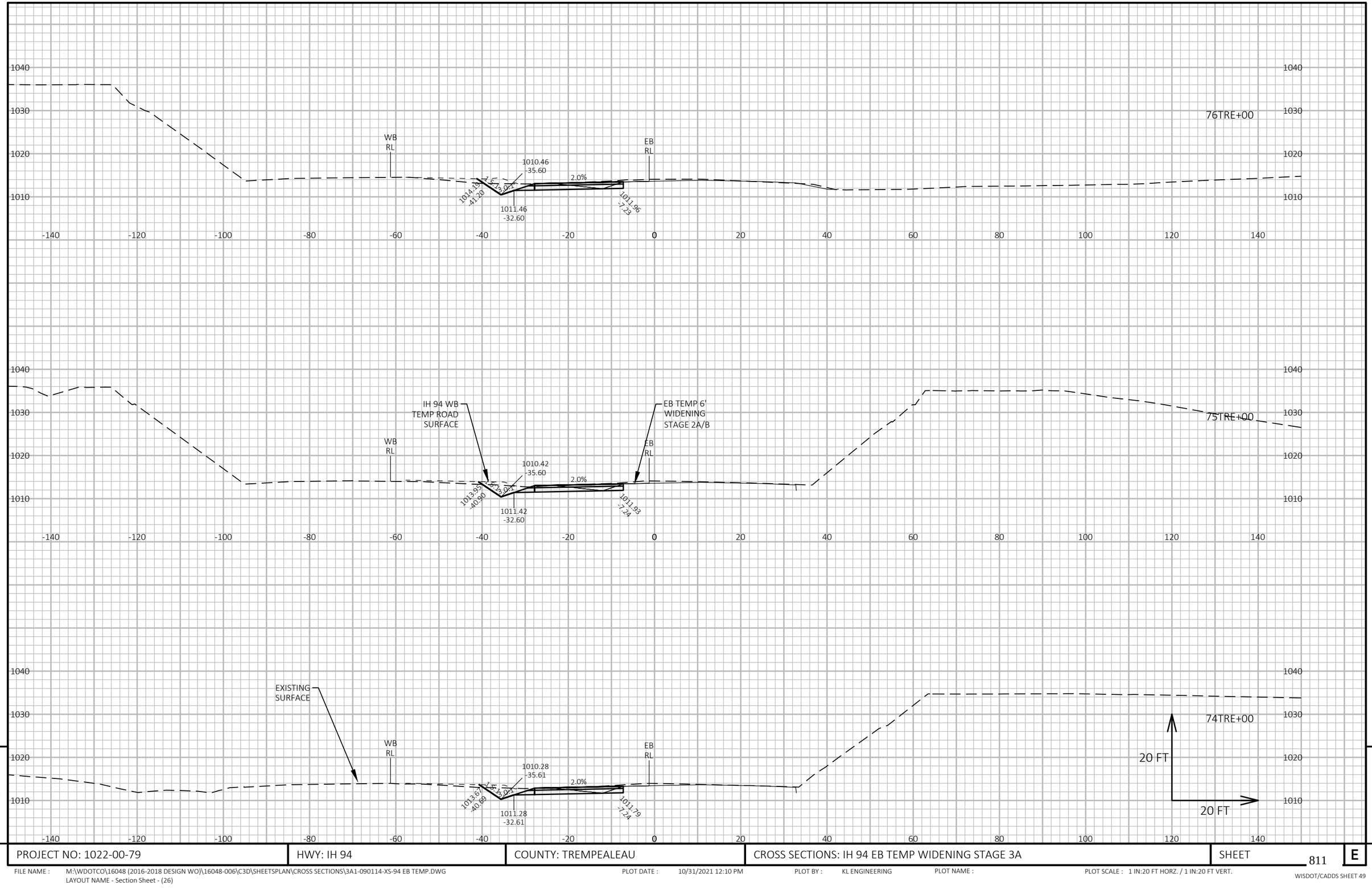

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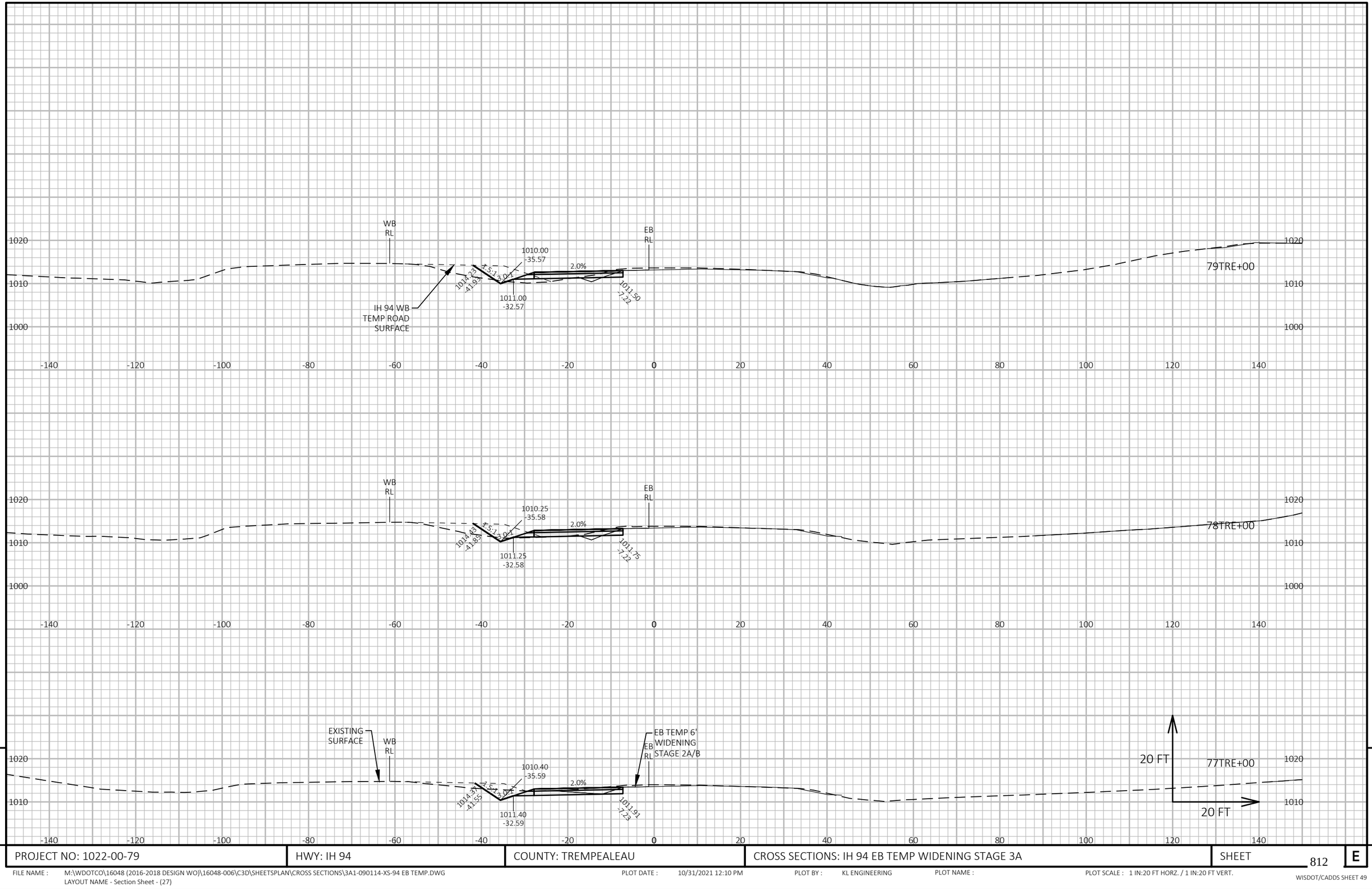
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 811	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (26)

PLOT DATE : 10/31/2021 12:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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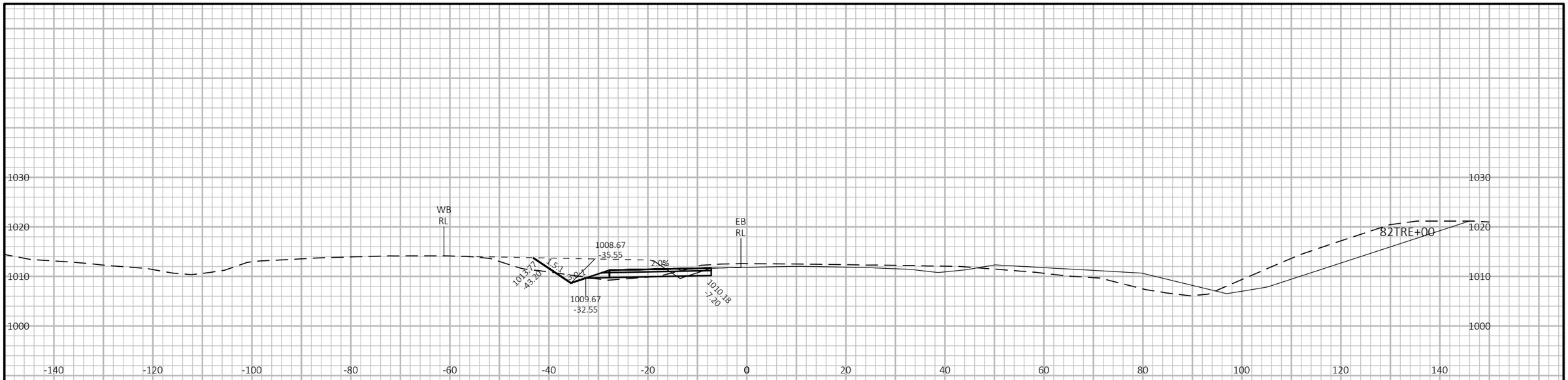
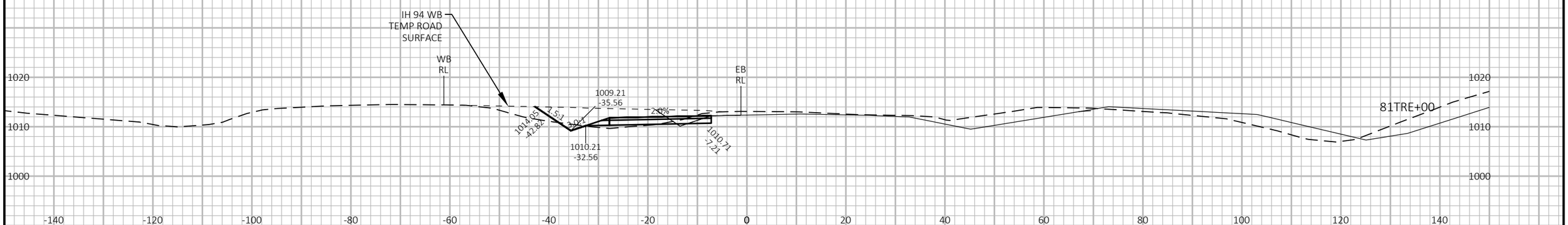
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 812	E

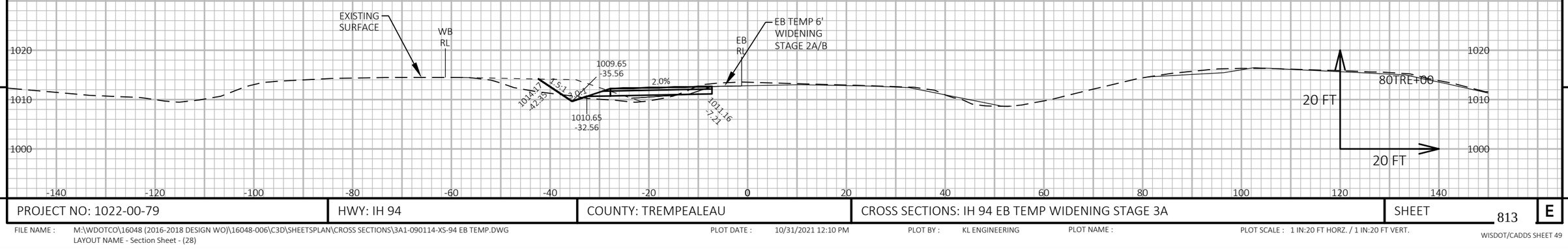
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (27)

PLOT DATE : 10/31/2021 12:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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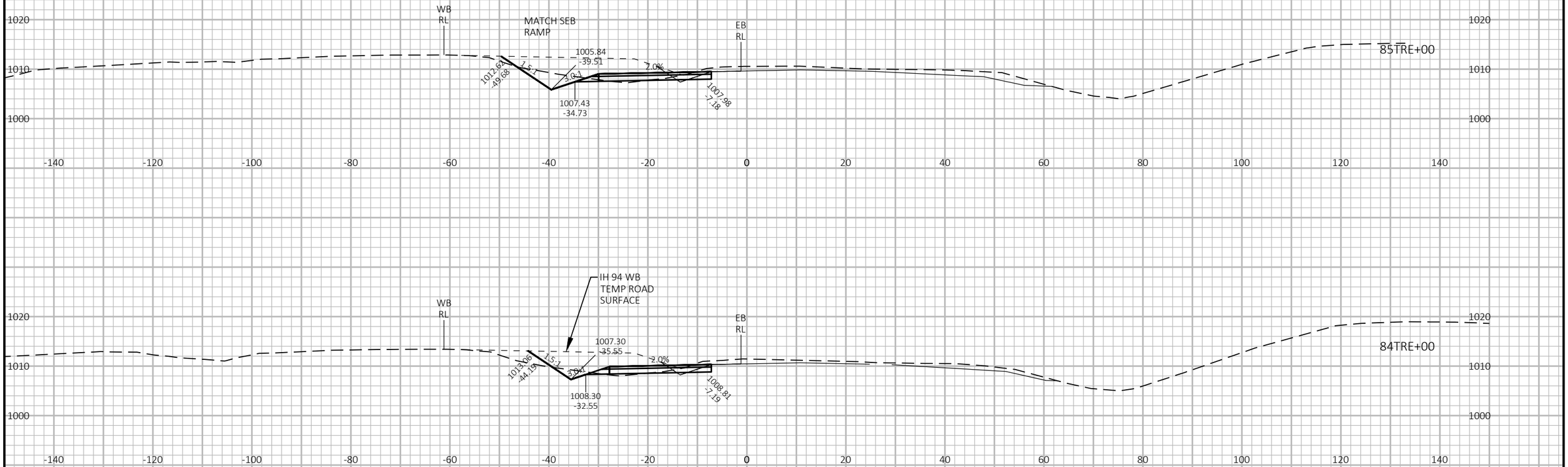
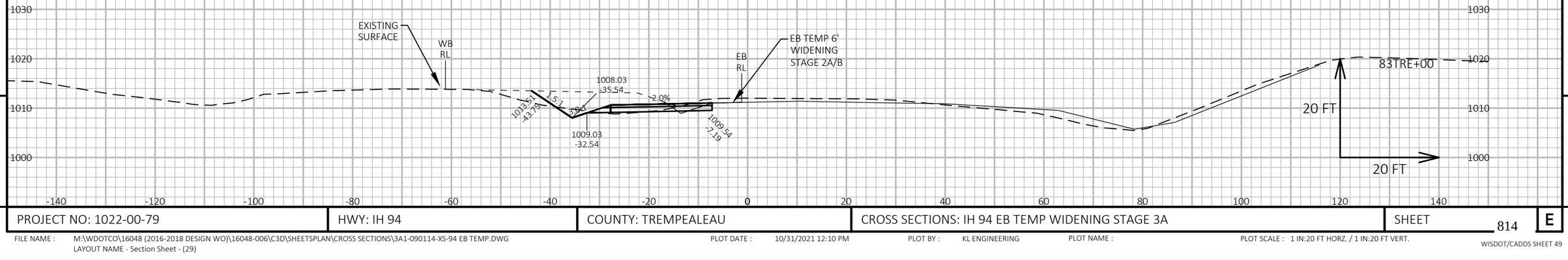
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 813	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (28)

PLOT DATE : 10/31/2021 12:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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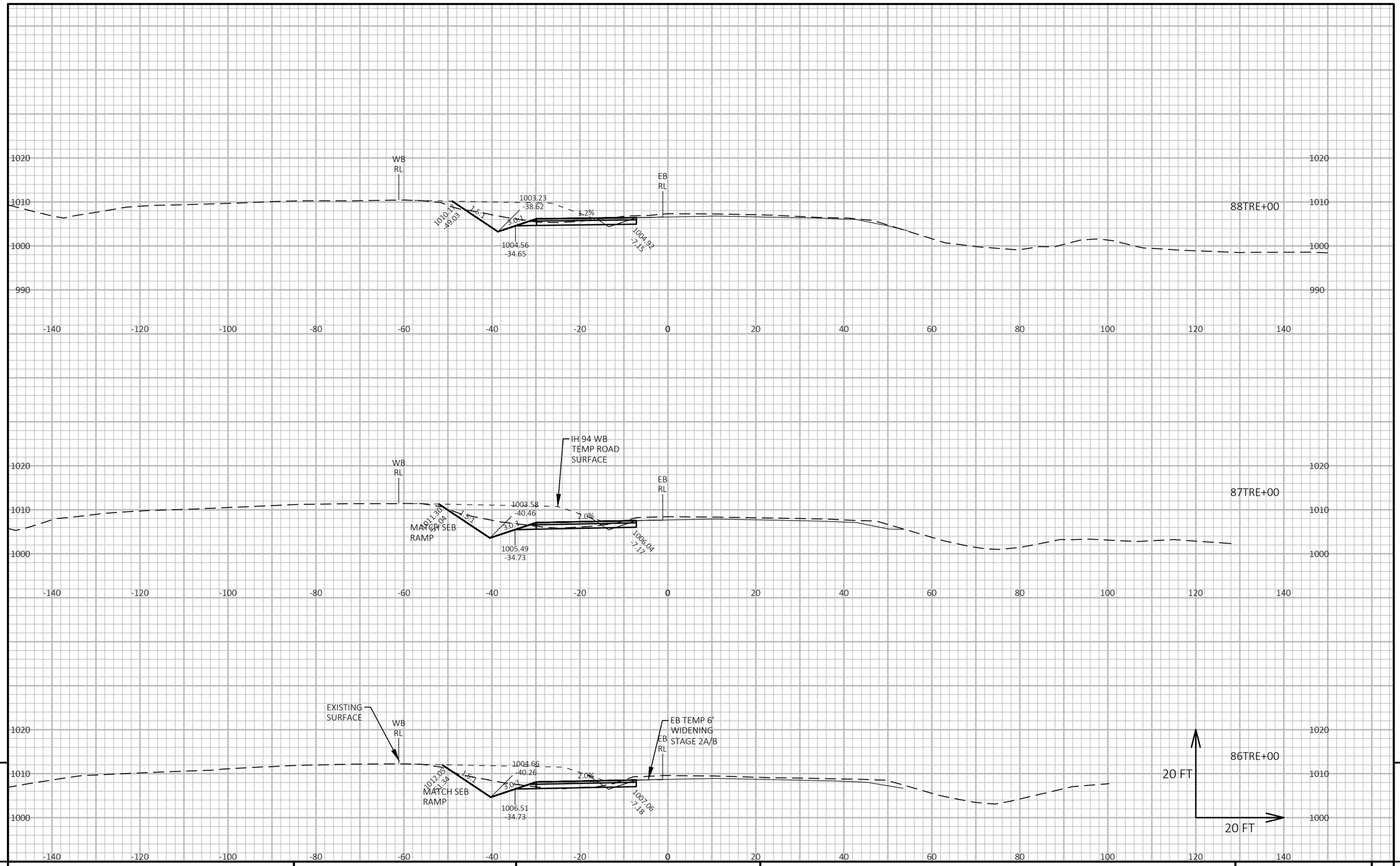
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 814	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (29)

PLOT DATE : 10/31/2021 12:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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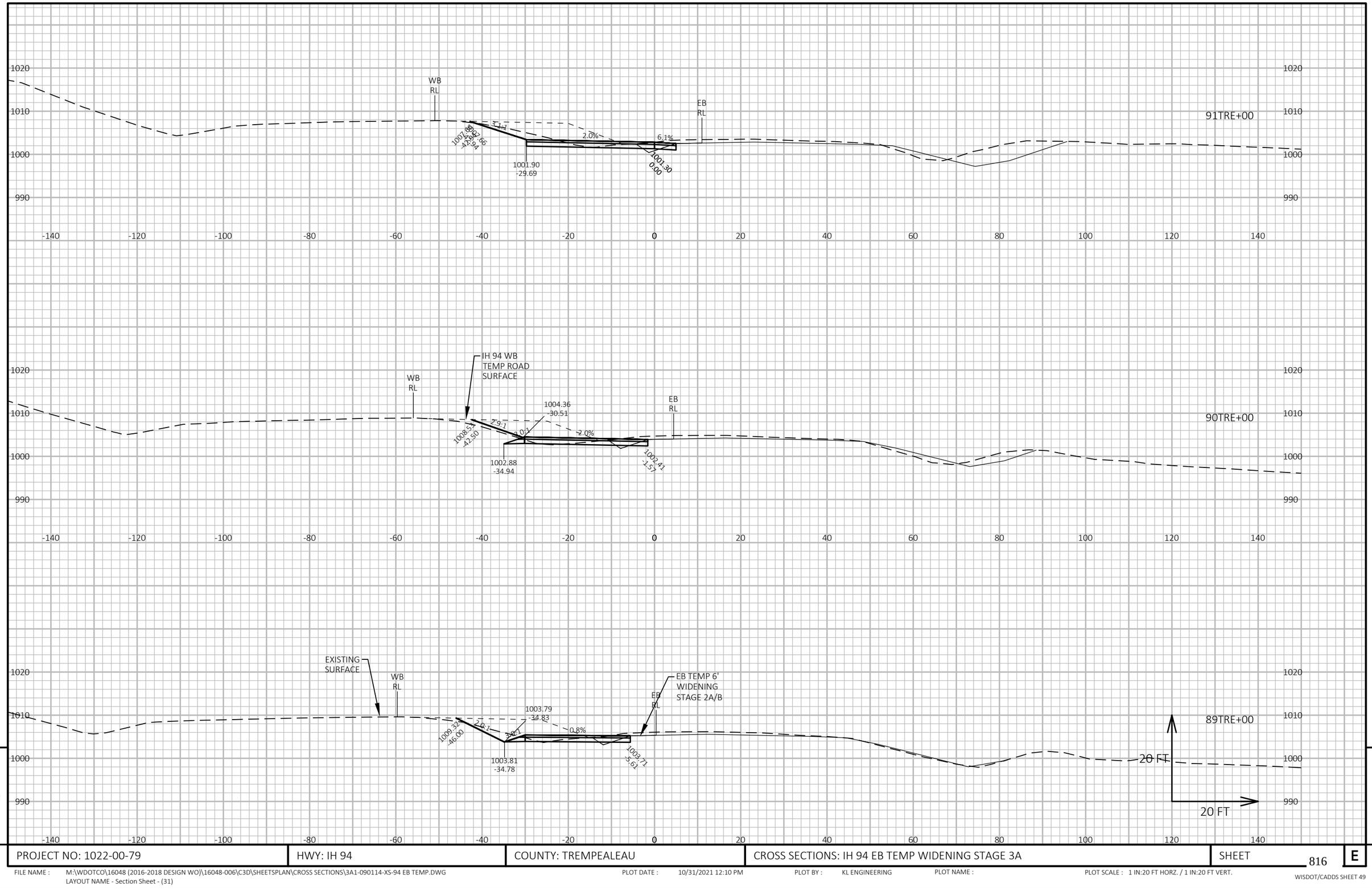
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 815	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (30)

PLOT DATE : 10/31/2021 12:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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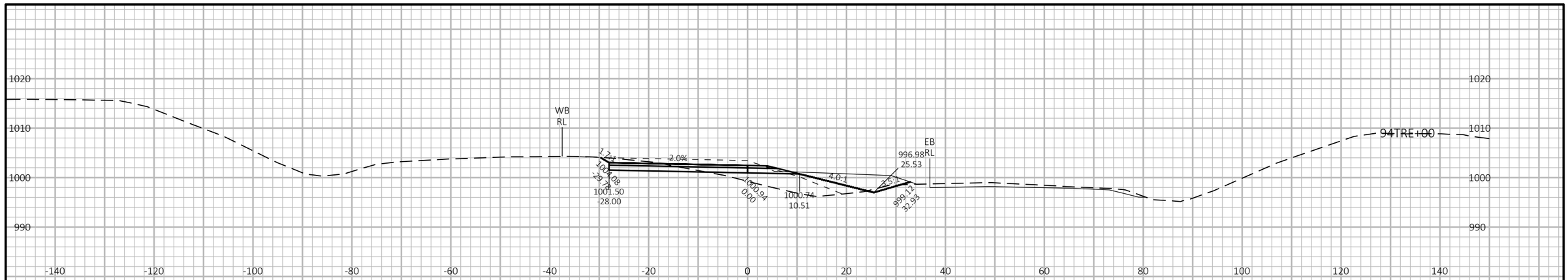
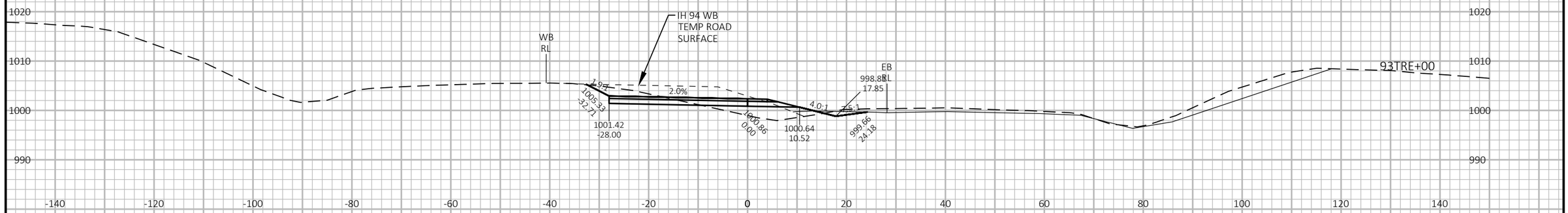
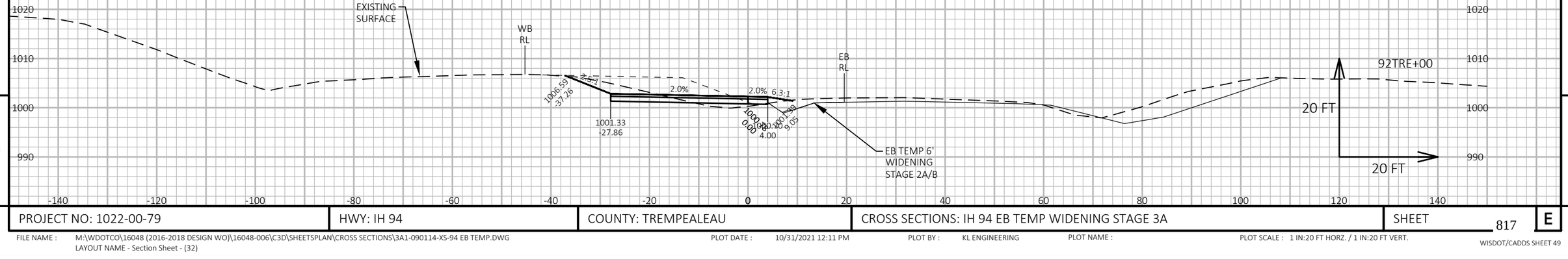
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 816	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (31)

PLOT DATE : 10/31/2021 12:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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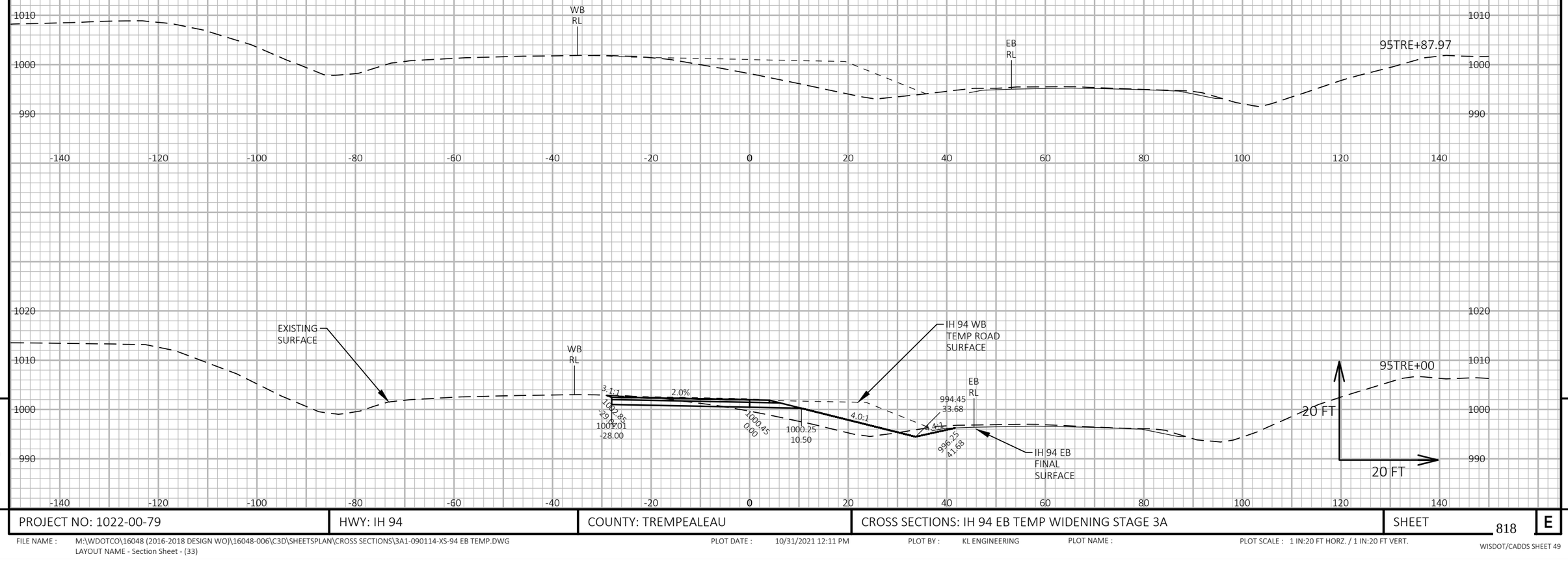
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 817	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (32)

PLOT DATE : 10/31/2021 12:11 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

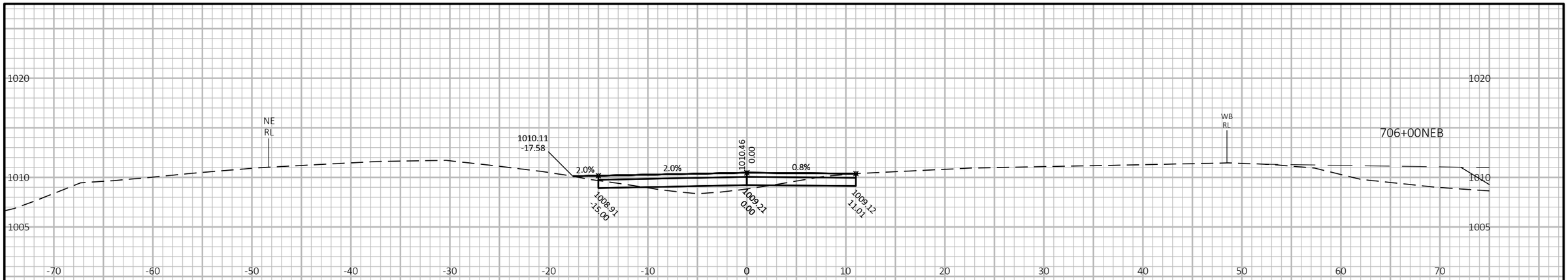


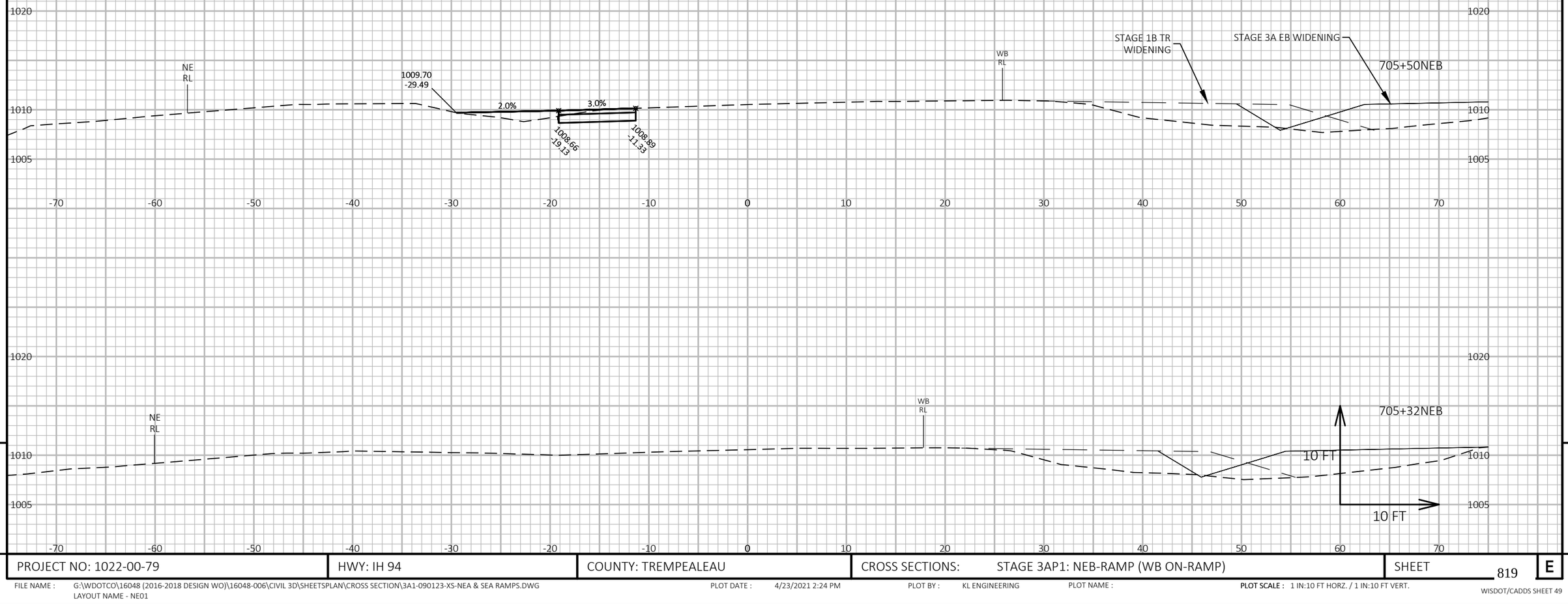
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 EB TEMP WIDENING STAGE 3A	SHEET 818	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3A1-090114-XS-94 EB TEMP.DWG
LAYOUT NAME - Section Sheet - (33)

PLOT DATE : 10/31/2021 12:11 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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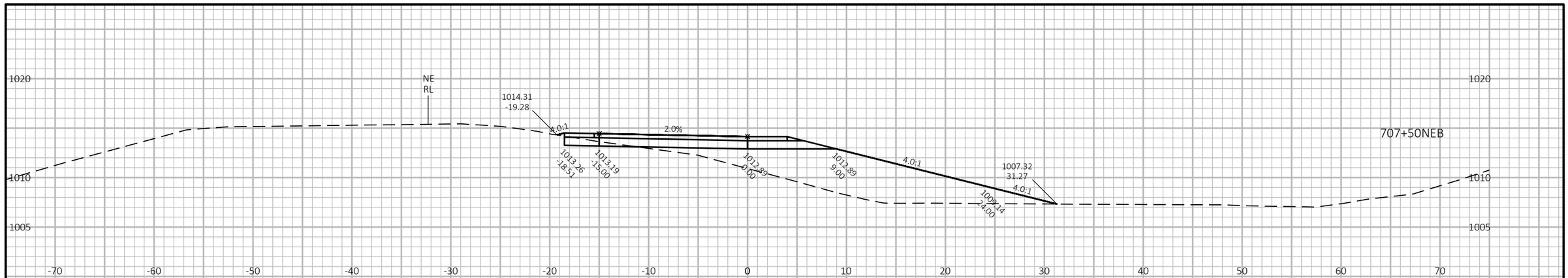
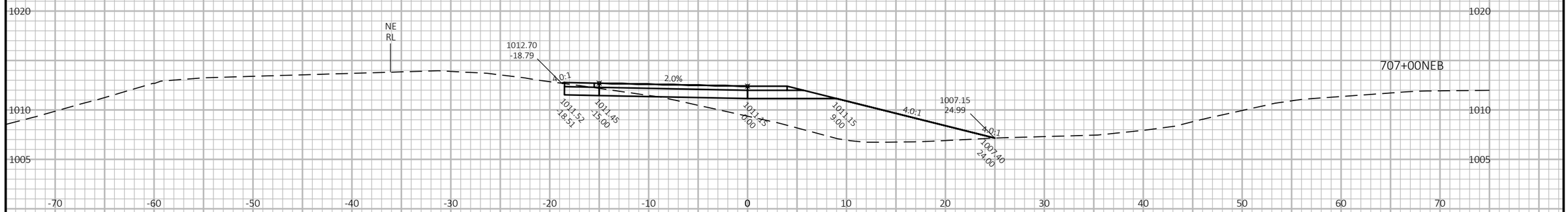
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP1: NEB-RAMP (WB ON-RAMP)	SHEET 819	E

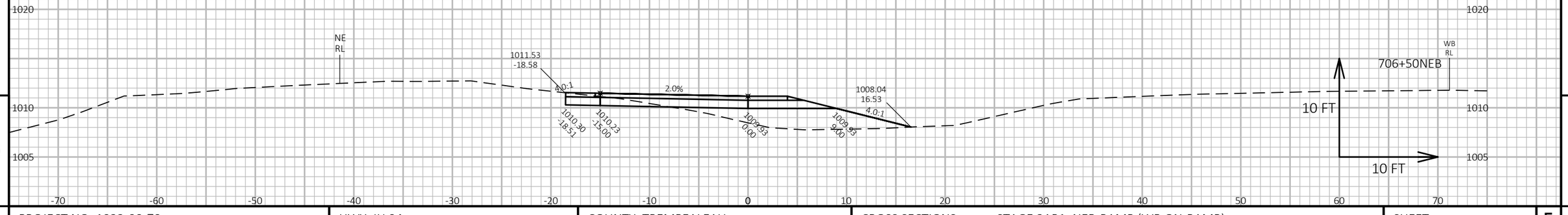
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - NE01

PLOT DATE : 4/23/2021 2:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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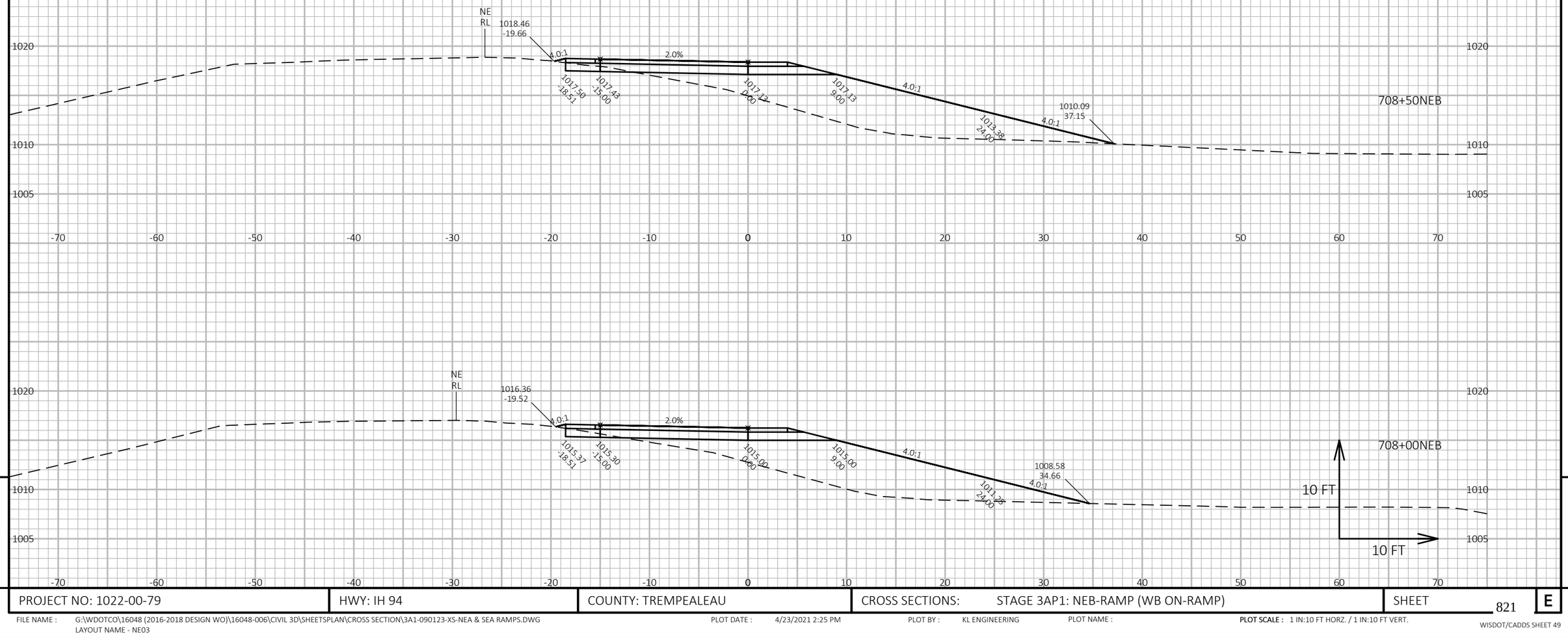
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP1: NEB-RAMP (WB ON-RAMP)	SHEET 820	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - NE02

PLOT DATE : 4/23/2021 2:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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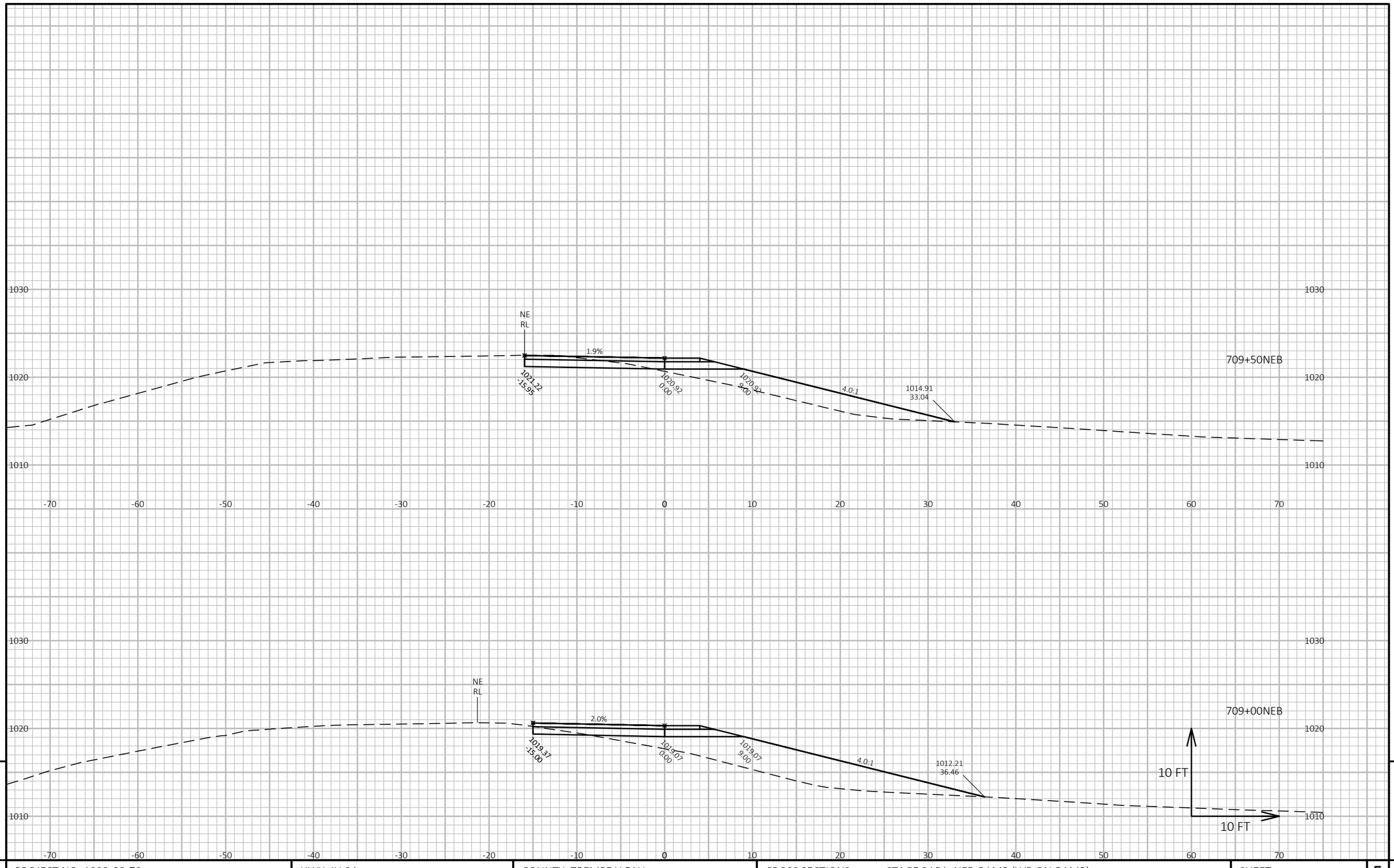
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP1: NEB-RAMP (WB ON-RAMP)	SHEET 821	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - NE03

PLOT DATE : 4/23/2021 2:25 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP1: NEB-RAMP (WB ON-RAMP)	SHEET 822 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - NE04

PLOT DATE : 4/23/2021 2:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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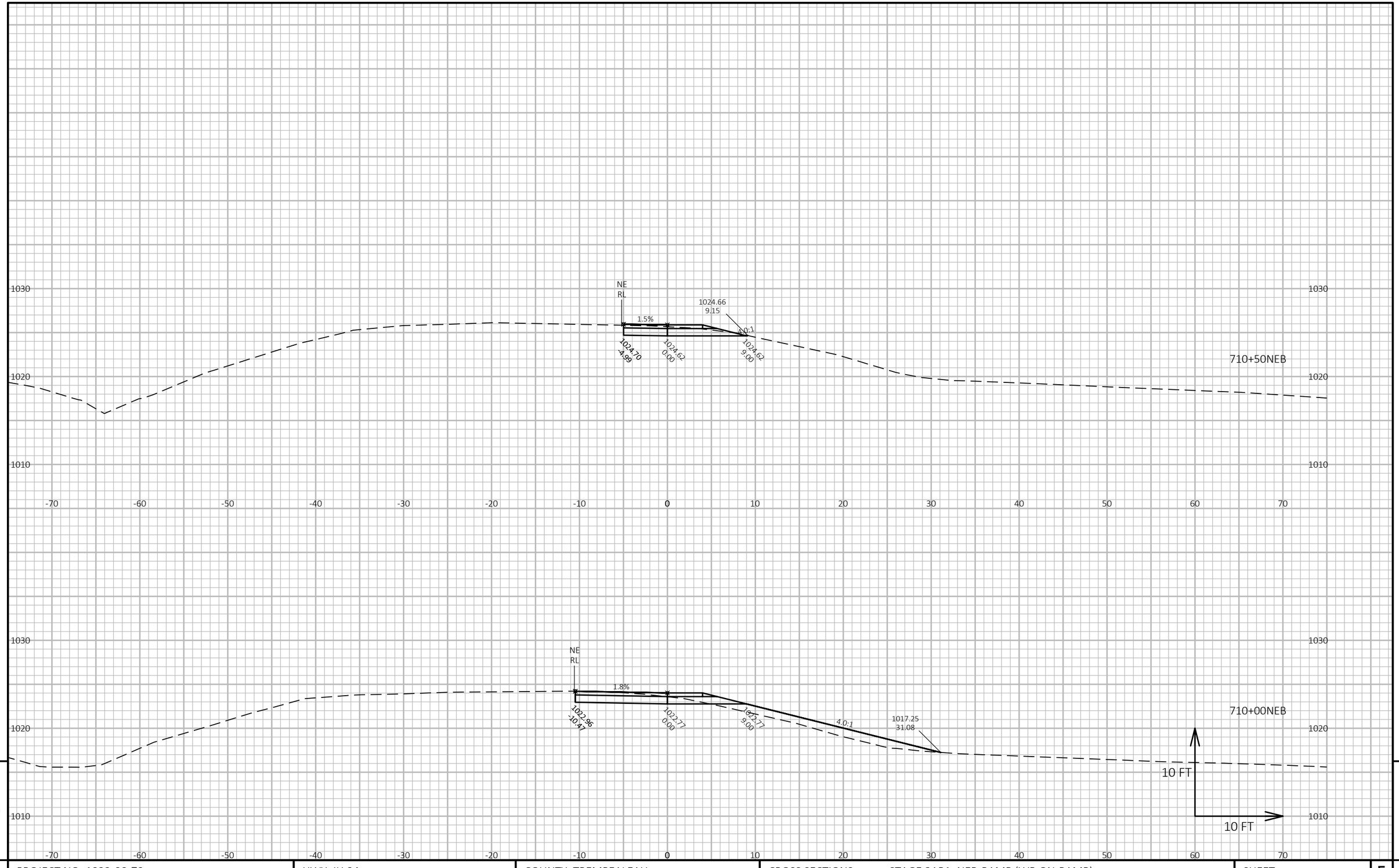

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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP1: NEB-RAMP (WB ON-RAMP)	SHEET 823	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - NE05

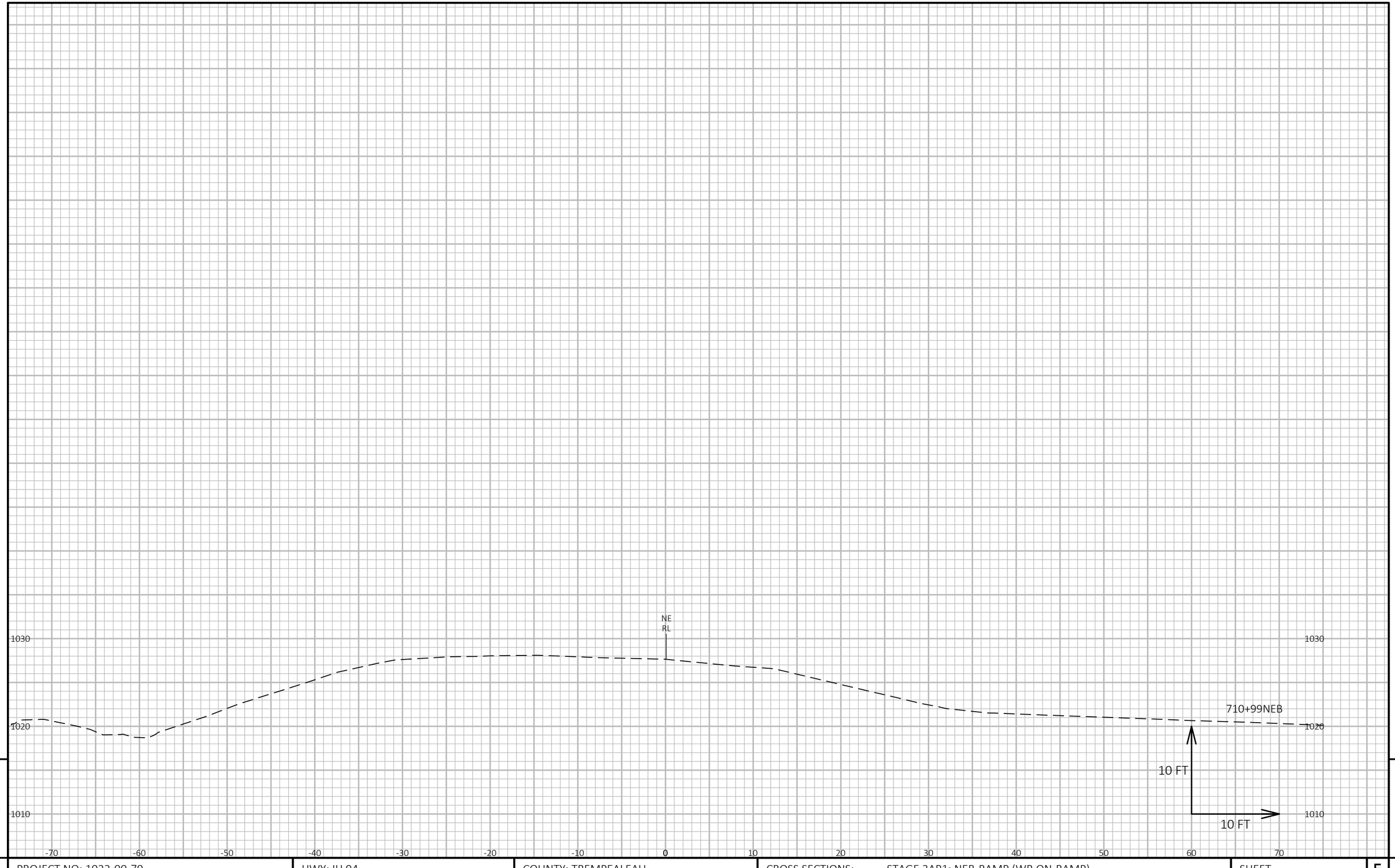
PLOT DATE : 4/23/2021 2:25 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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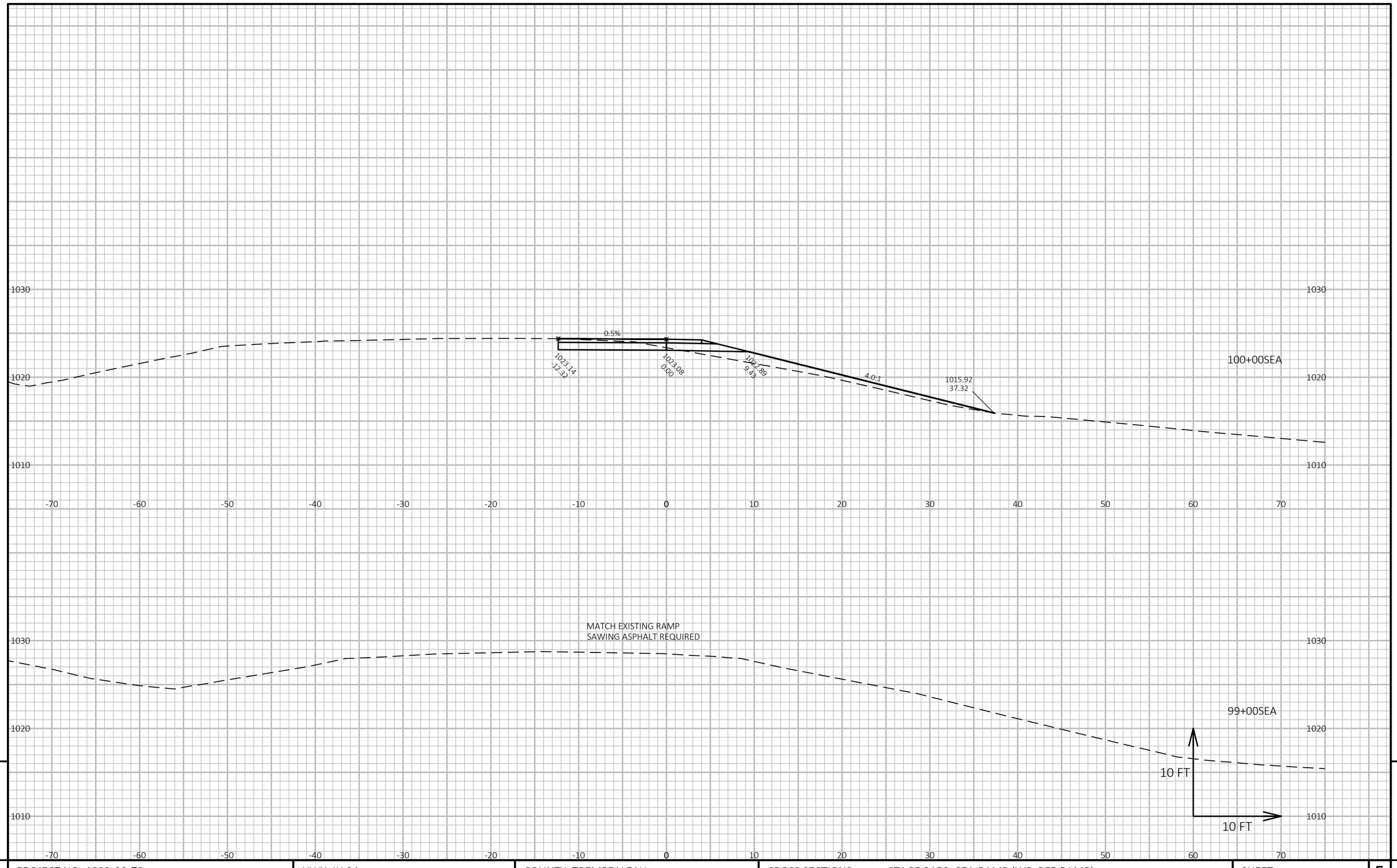
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP1: NEB-RAMP (WB ON-RAMP)	SHEET 824	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - NE06

PLOT DATE : 4/23/2021 2:25 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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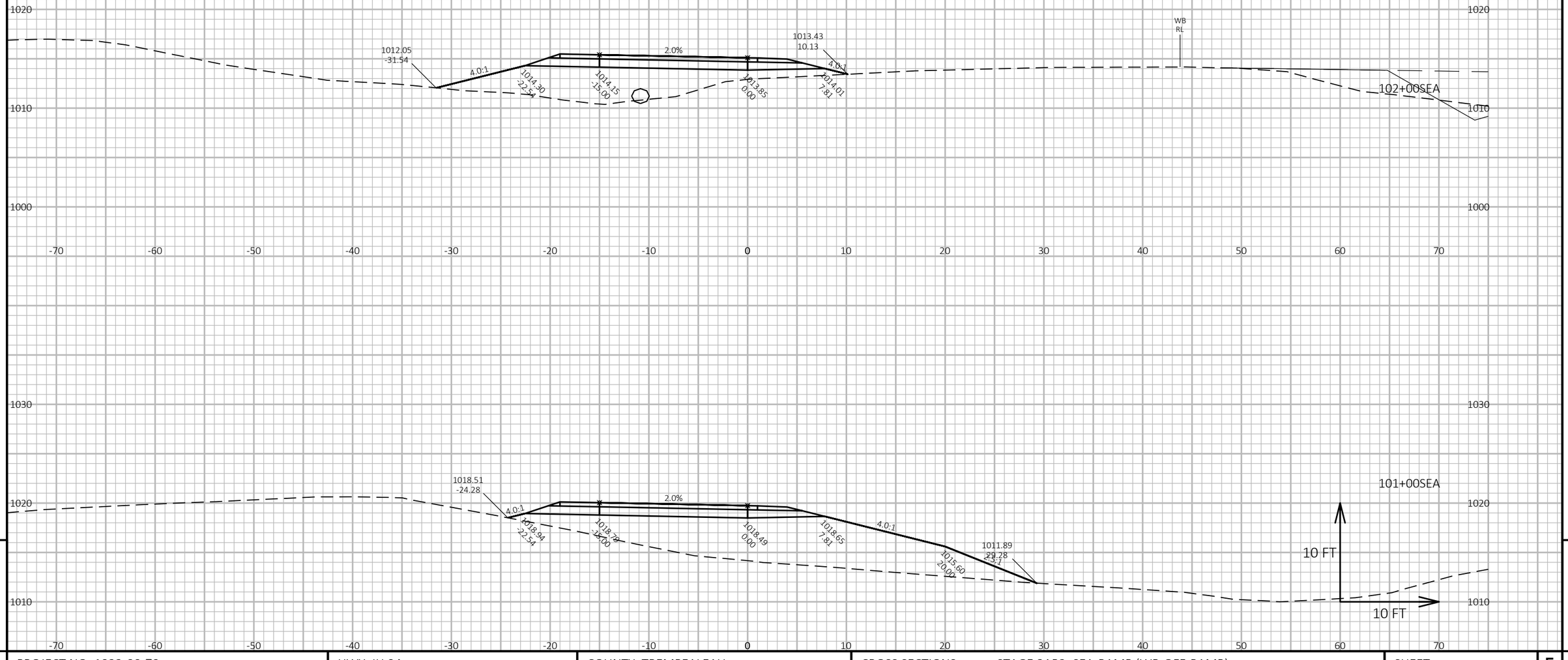
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP2: SEA-RAMP (WB-OFF-RAMP)	SHEET 825	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - SEA01

PLOT DATE : 4/23/2021 2:25 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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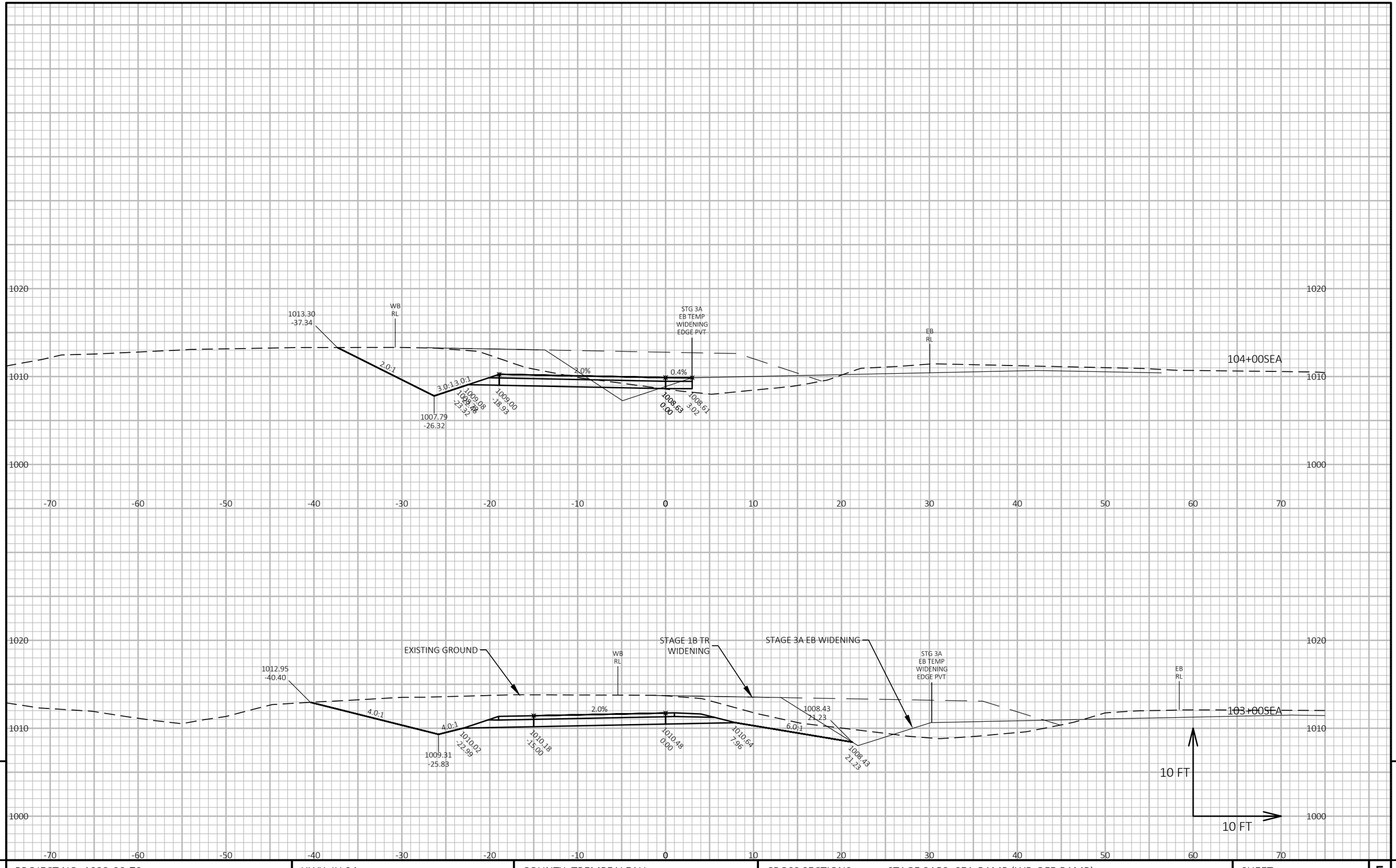
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP2: SEA-RAMP (WB-OFF-RAMP)	SHEET 826	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - SEA02

PLOT DATE : 4/23/2021 2:25 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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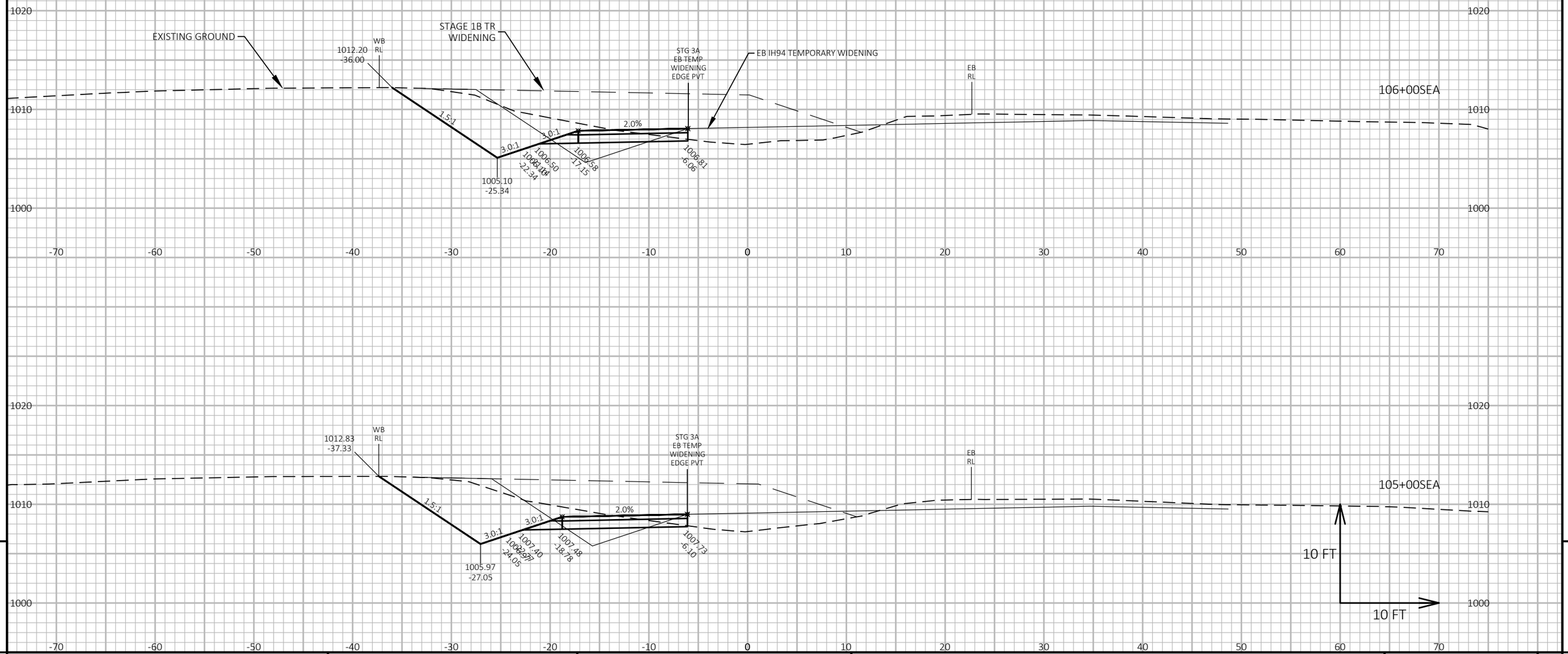
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP2: SEA-RAMP (WB-OFF-RAMP)	SHEET 827	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - SEA03

PLOT DATE : 4/23/2021 2:25 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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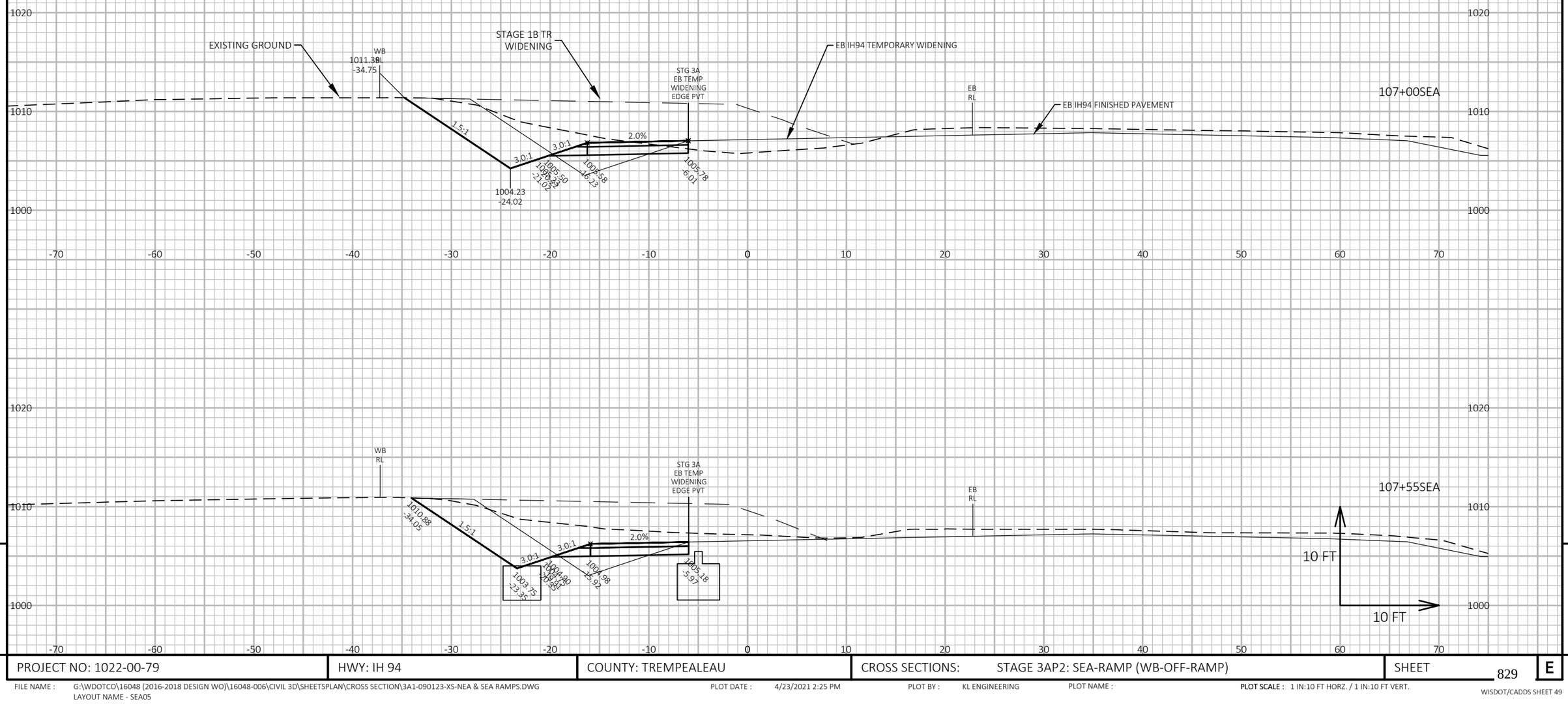
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP2: SEA-RAMP (WB-OFF-RAMP)	SHEET 828	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - SEA04

PLOT DATE : 4/23/2021 2:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

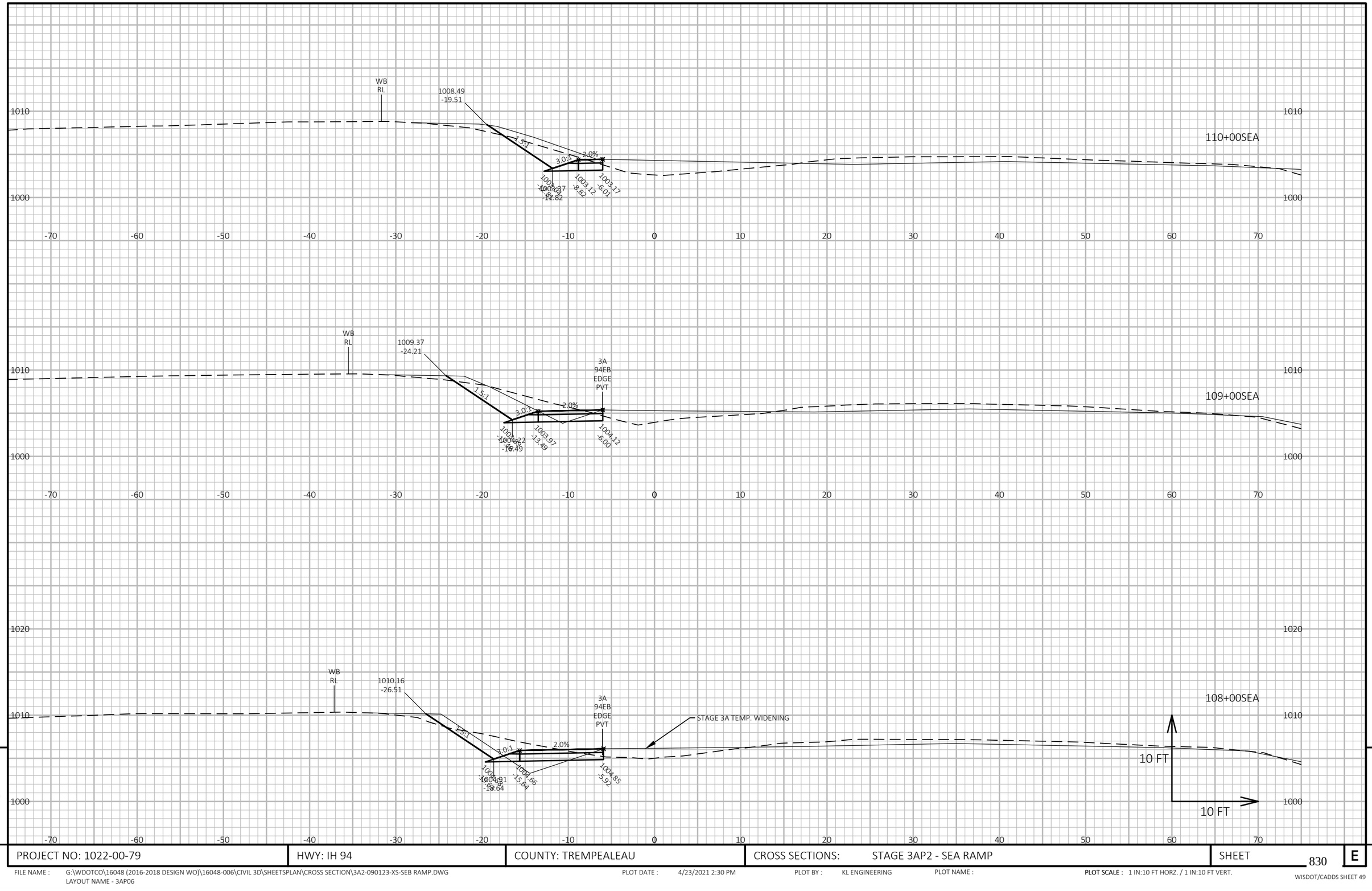


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP2: SEA-RAMP (WB-OFF-RAMP)	SHEET 829 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A1-090123-XS-NEA & SEA RAMPS.DWG
LAYOUT NAME - SEA05

PLOT DATE : 4/23/2021 2:25 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

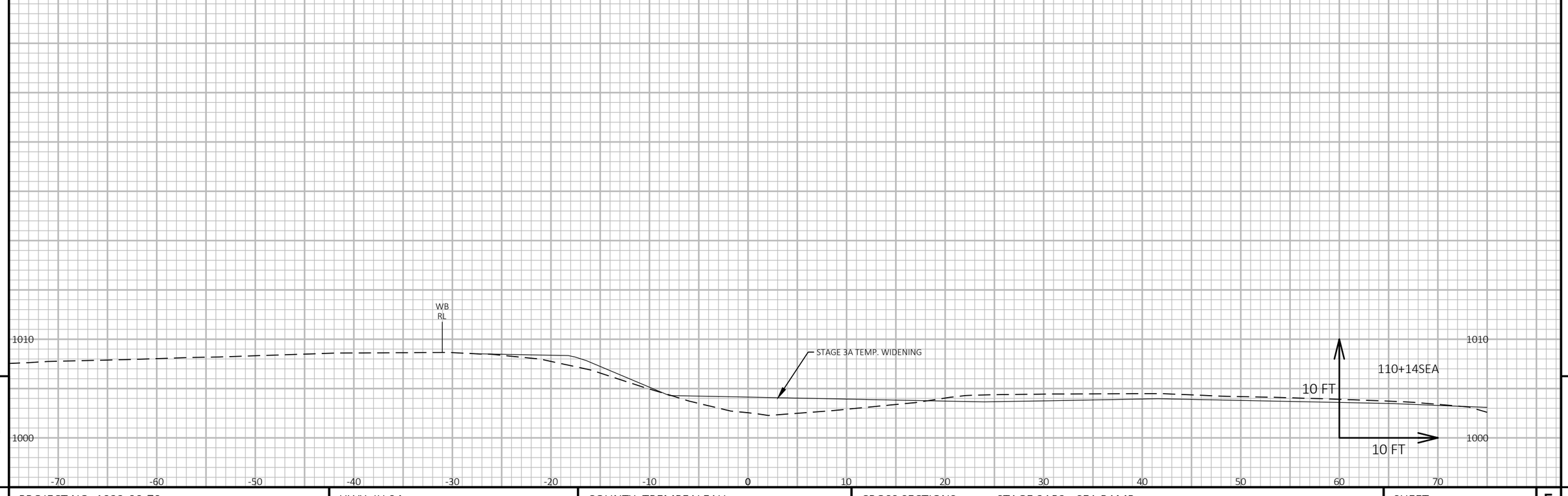
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP2 - SEA RAMP	SHEET 830 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A2-090123-XS-SEB RAMP.DWG
LAYOUT NAME - 3AP06

PLOT DATE : 4/23/2021 2:30 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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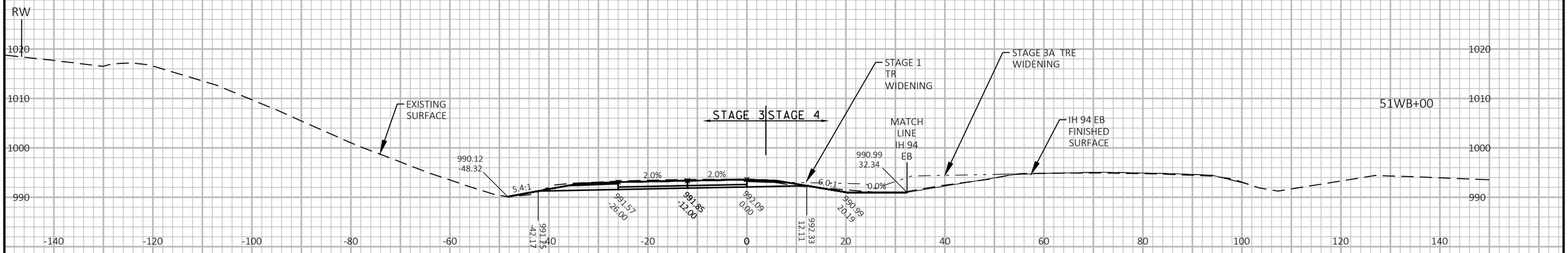
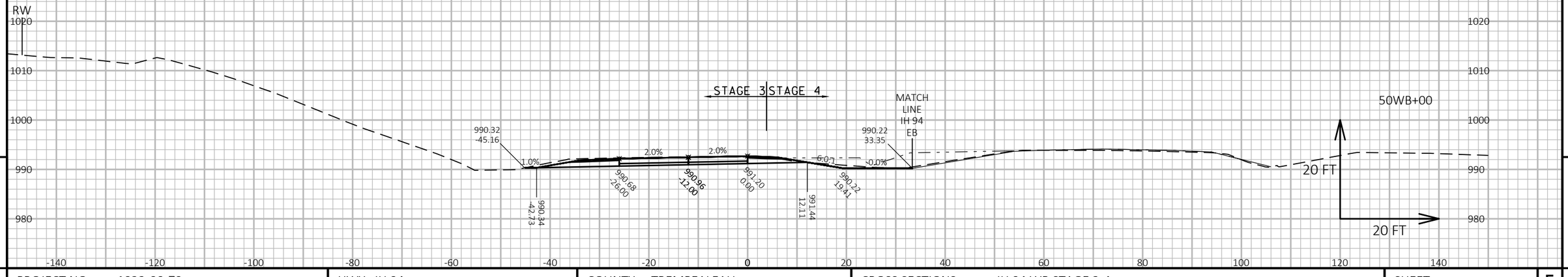
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE 3AP2 - SEA RAMP	SHEET 831	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3A2-090123-XS-SEB RAMP.DWG
LAYOUT NAME - 3AP07

PLOT DATE : 4/23/2021 2:30 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.





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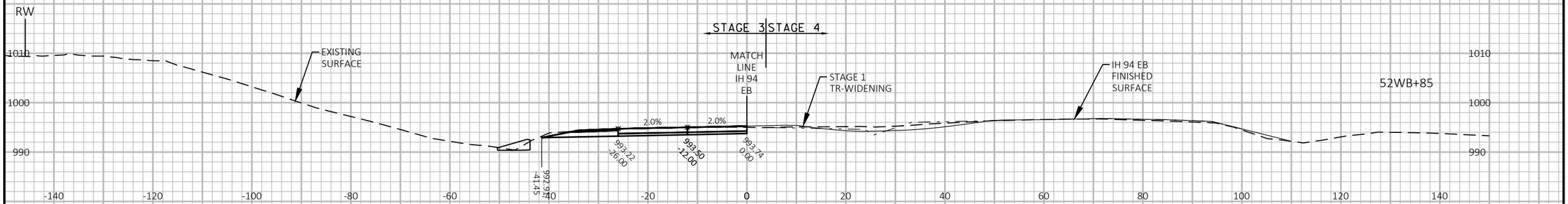
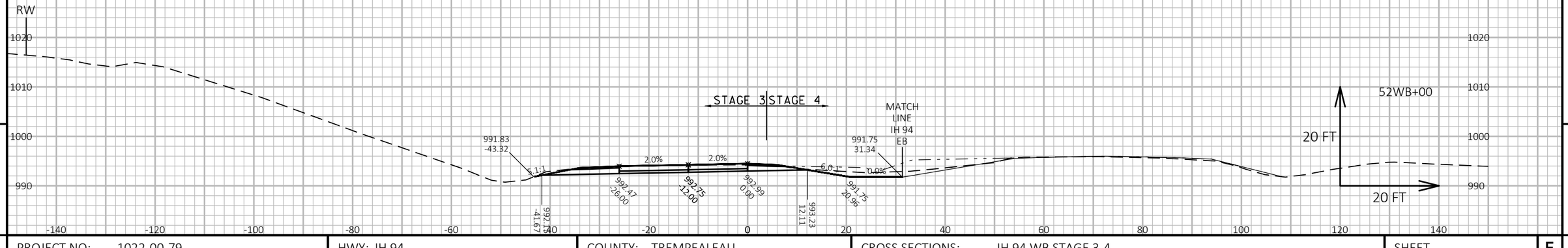
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 832	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (04)

PLOT DATE : 10/31/2021 2:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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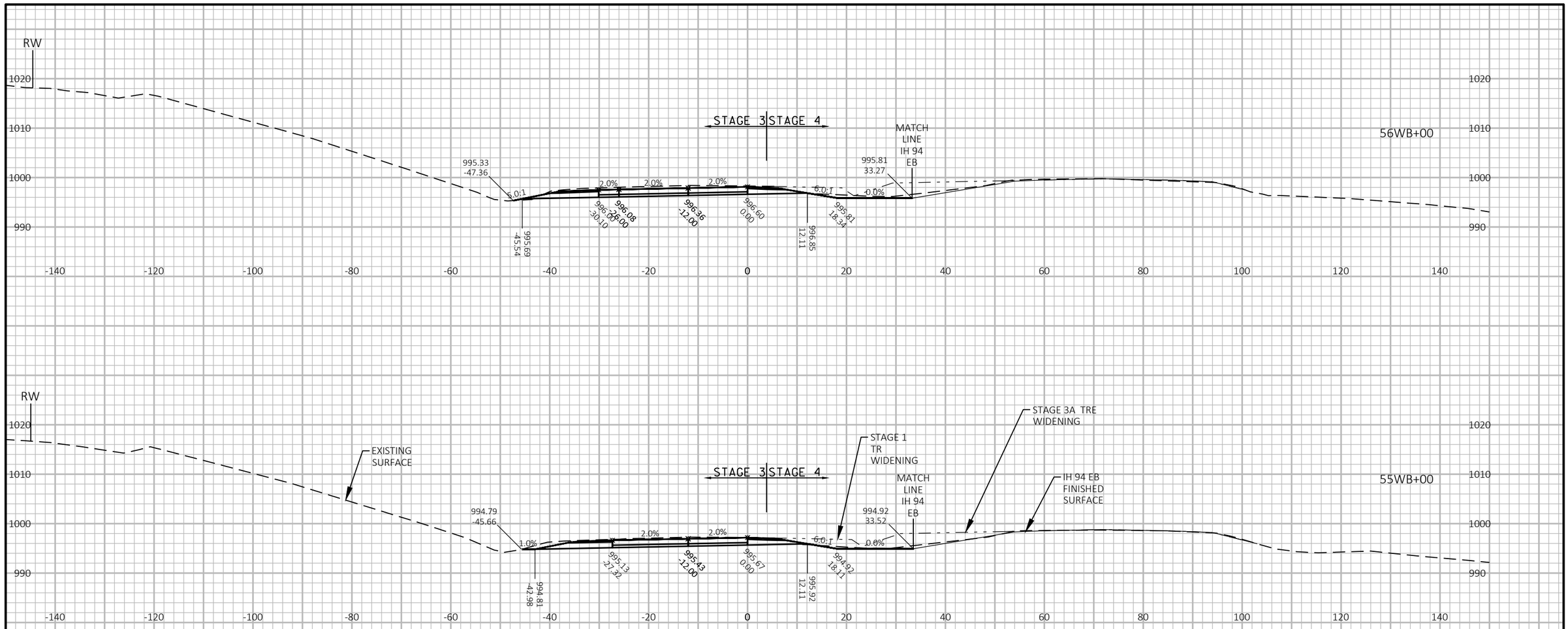
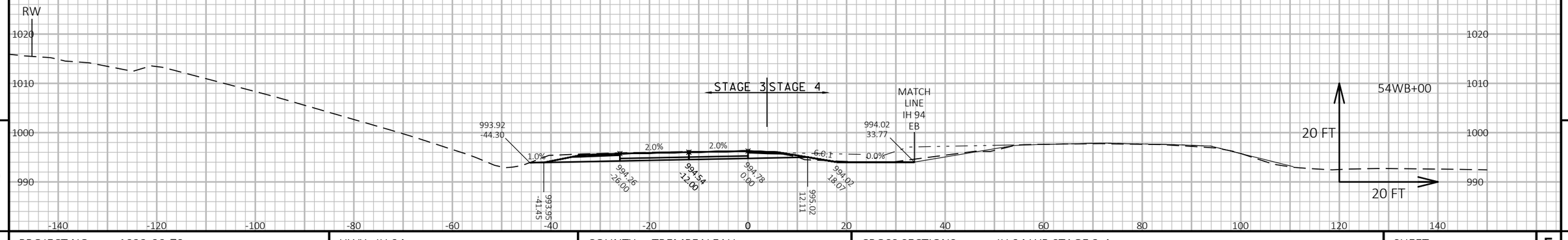
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 833	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (05)

PLOT DATE : 10/31/2021 2:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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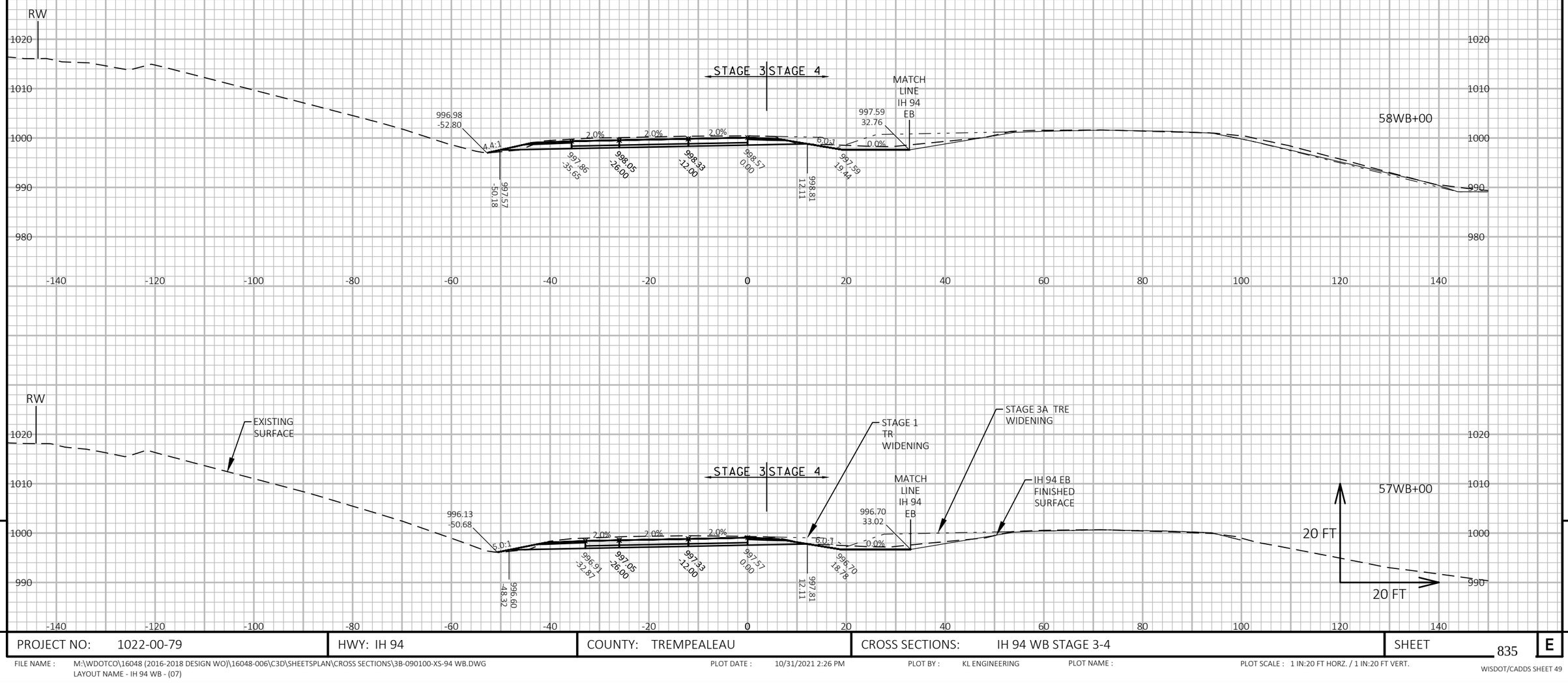
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 834	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (06)

PLOT DATE : 10/31/2021 2:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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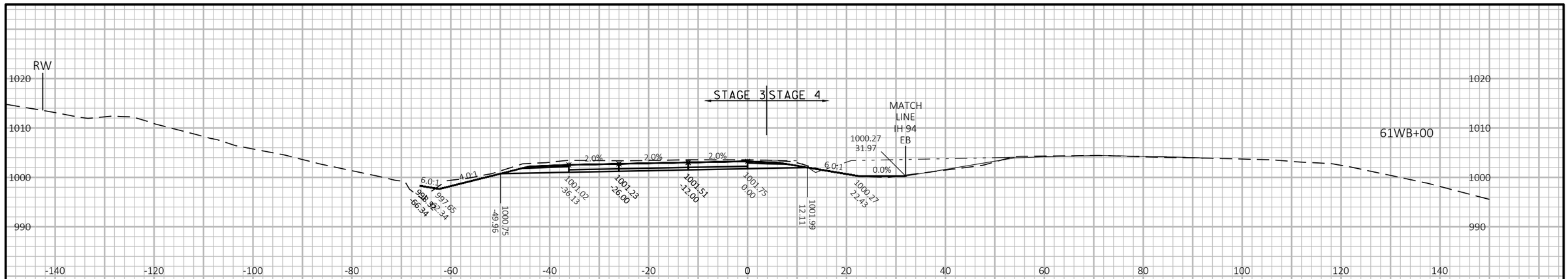
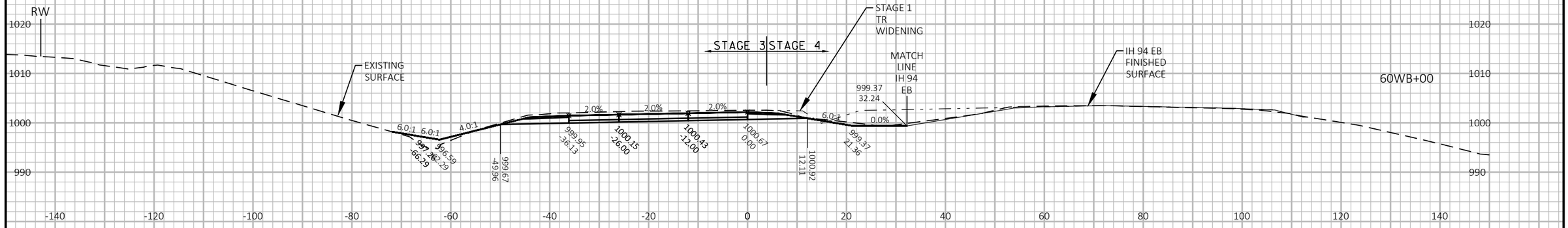
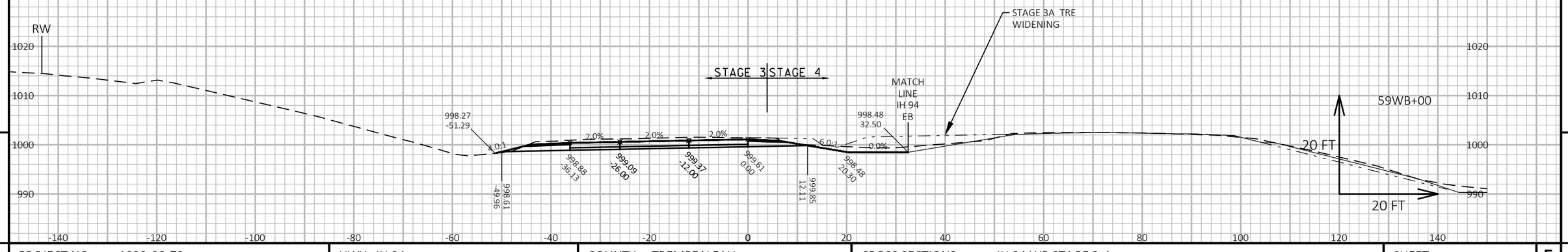
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 835	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (07)

PLOT DATE : 10/31/2021 2:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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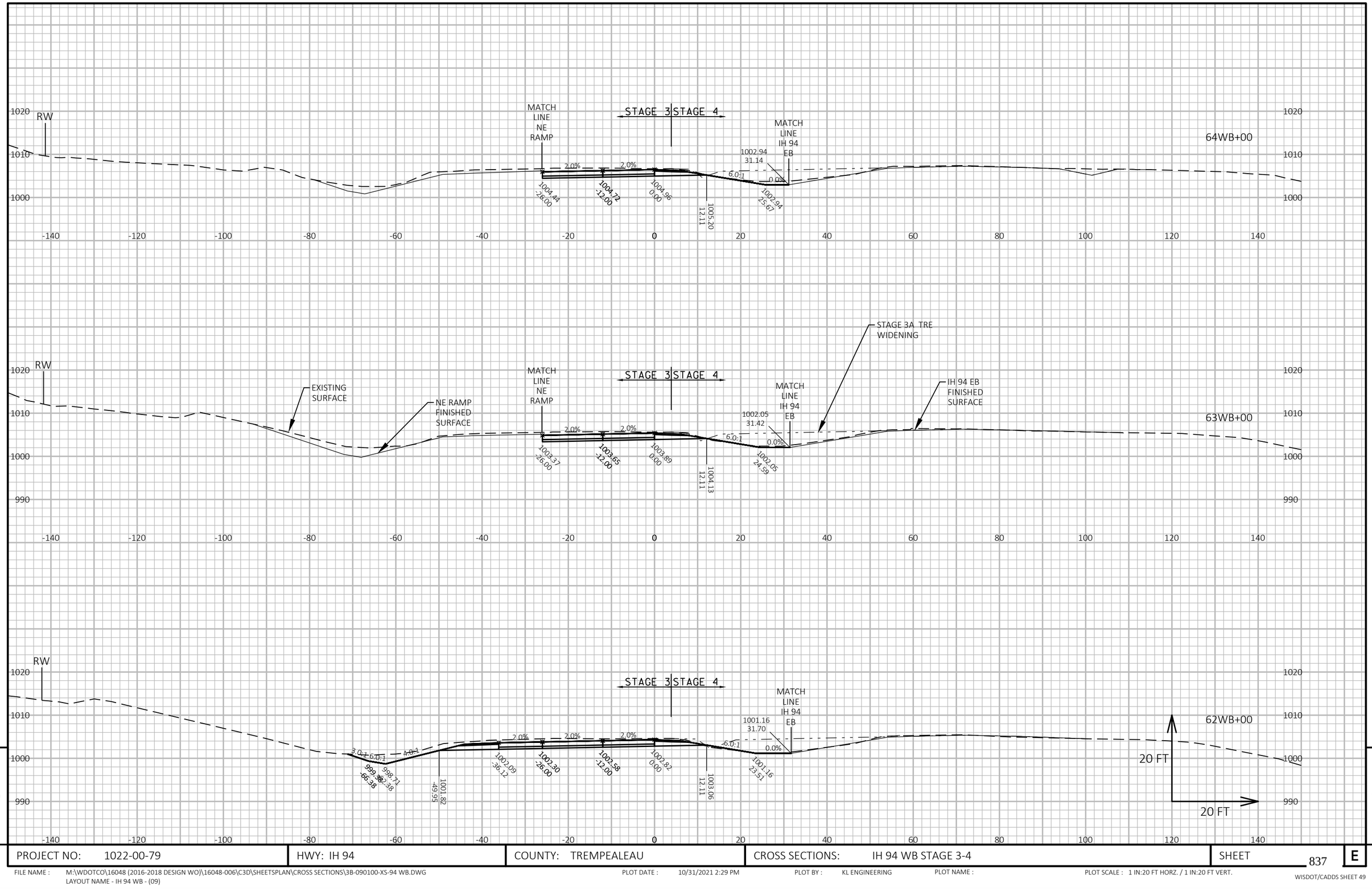
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 836	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (08)

PLOT DATE : 10/31/2021 2:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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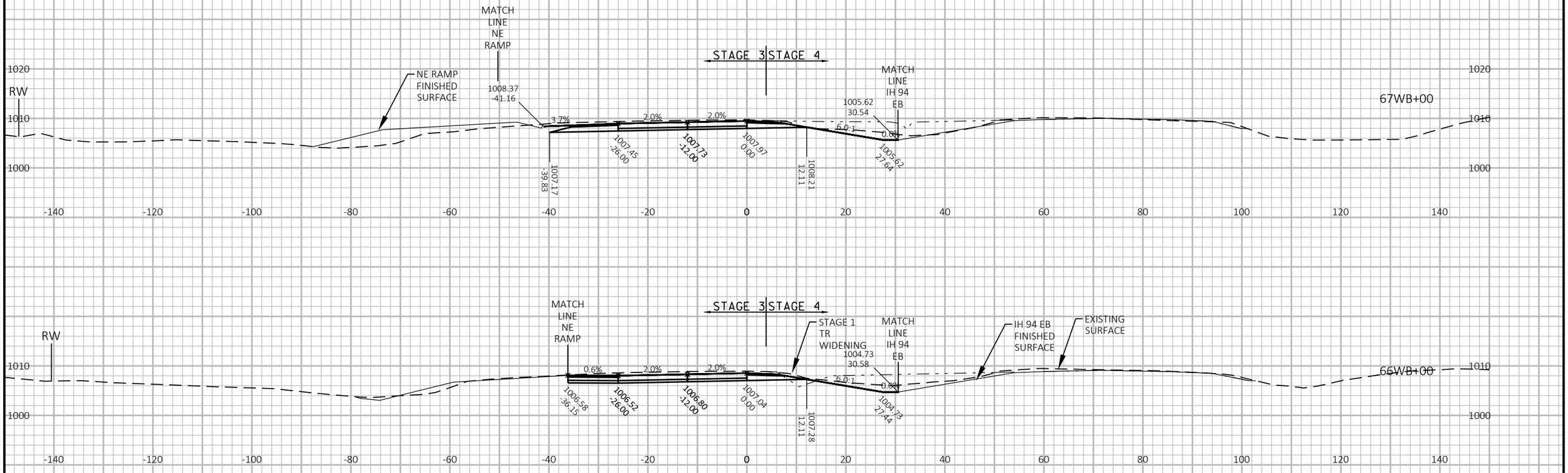
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 837	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (09)

PLOT DATE : 10/31/2021 2:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

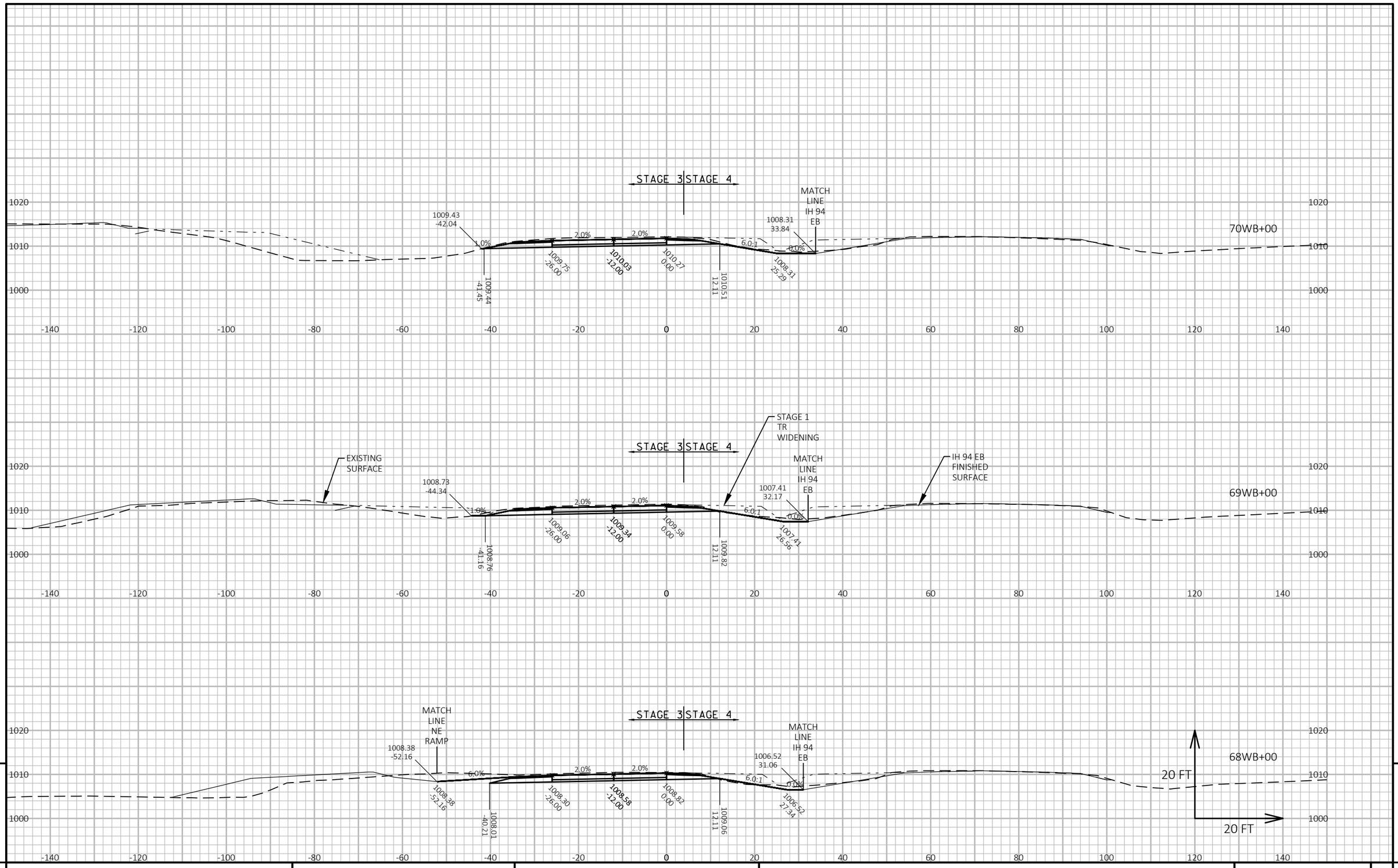


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 838	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (10)

PLOT DATE : 10/31/2021 2:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 839	E

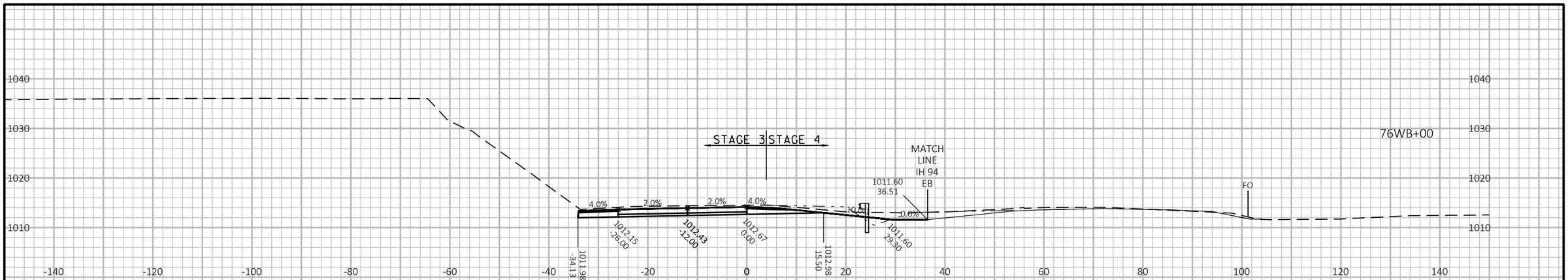
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (11)
PLOT DATE : 10/31/2021 2:32 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

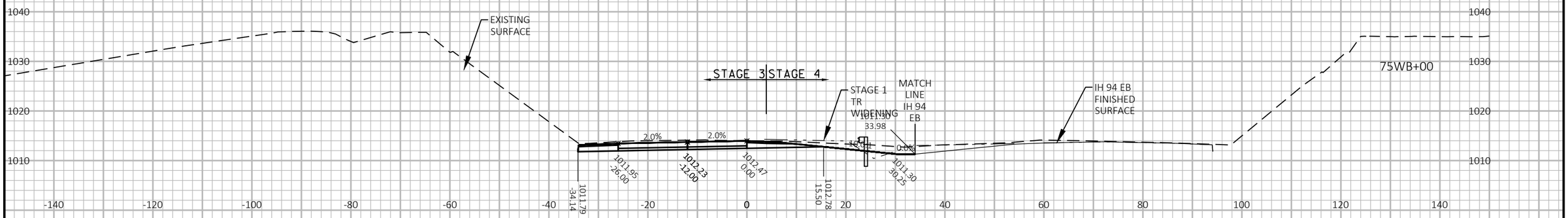
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 840 E

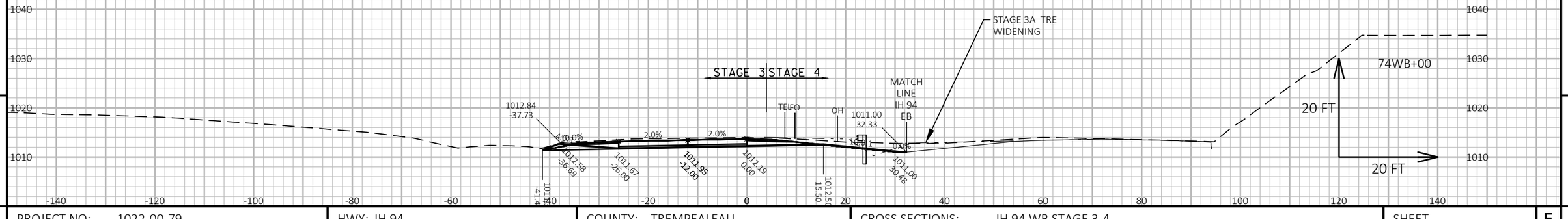
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (12)

PLOT DATE : 10/31/2021 2:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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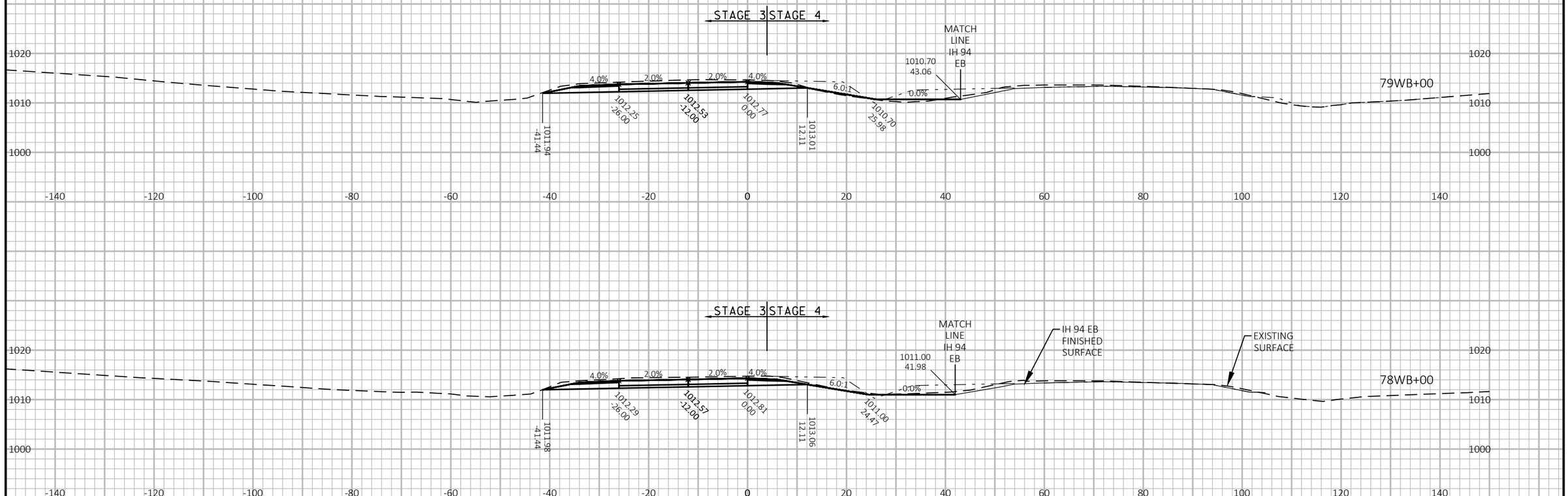
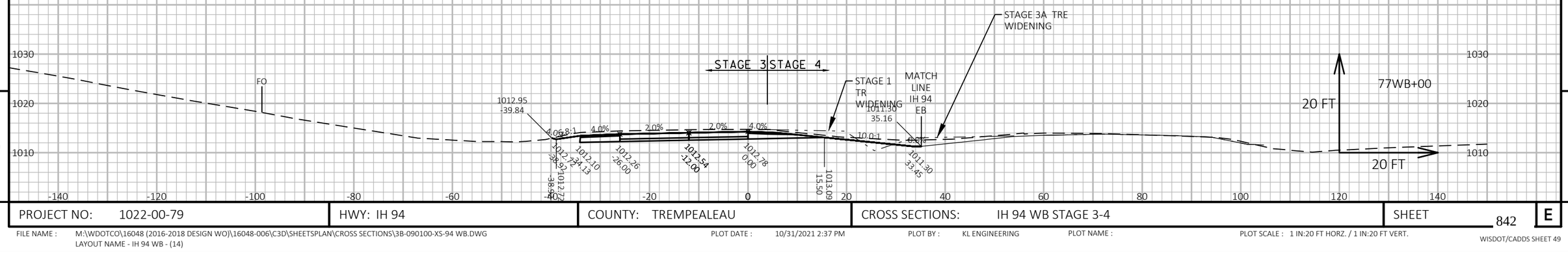
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 841	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (13)

PLOT DATE : 10/31/2021 2:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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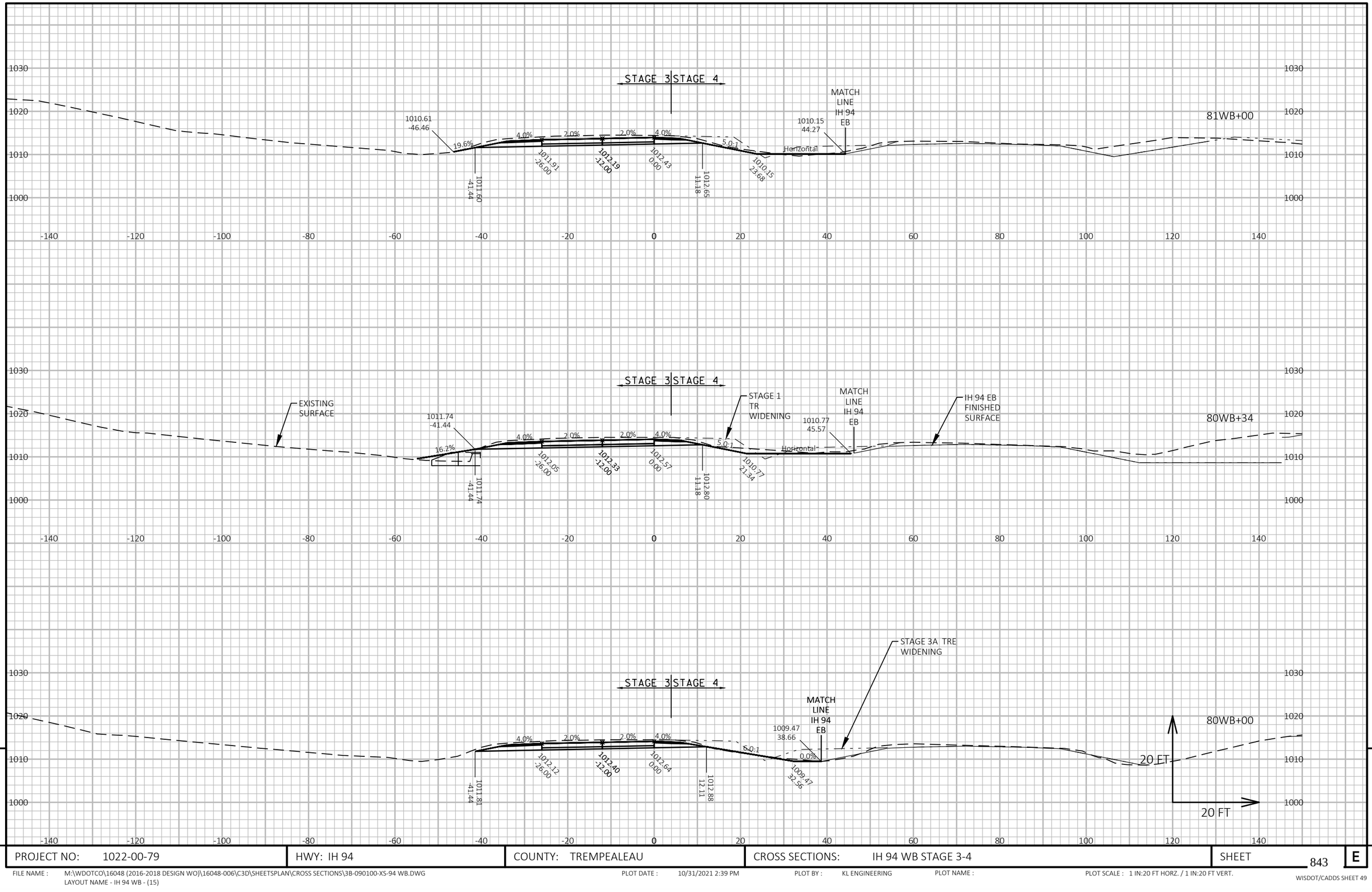
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 842	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (14)

PLOT DATE : 10/31/2021 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



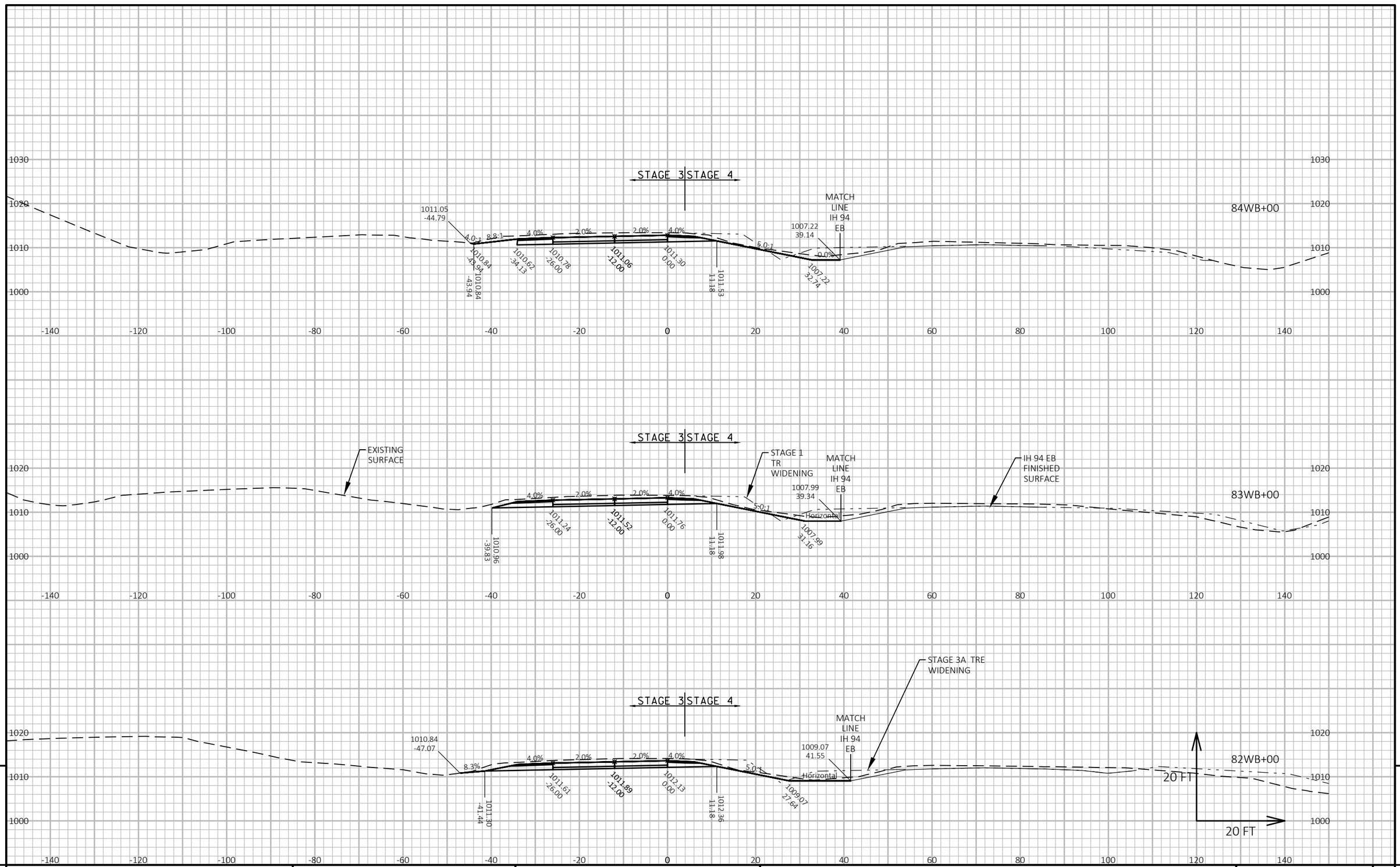
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 843 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (15)

PLOT DATE : 10/31/2021 2:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



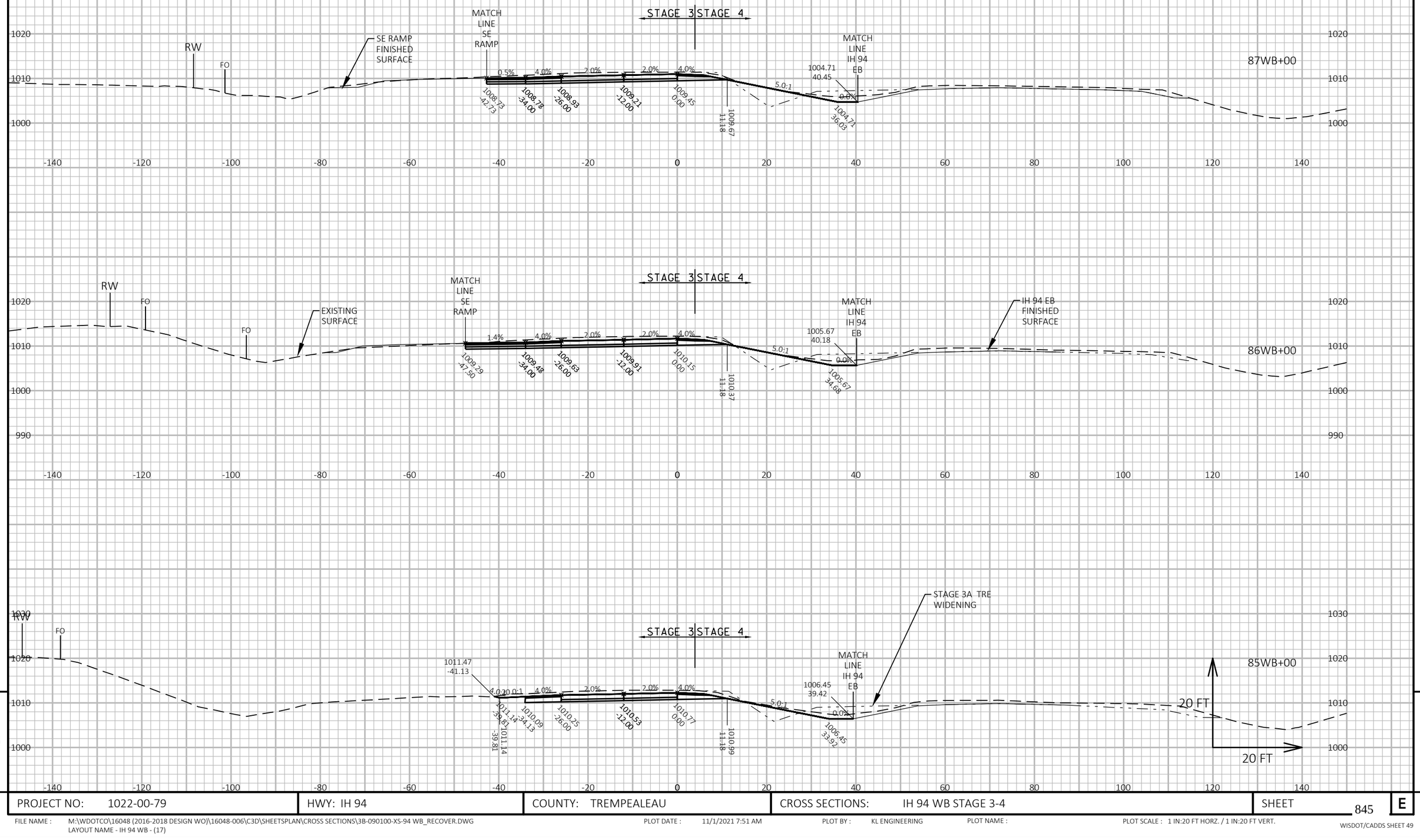
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 844 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (16)

PLOT DATE : 10/31/2021 2:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



9

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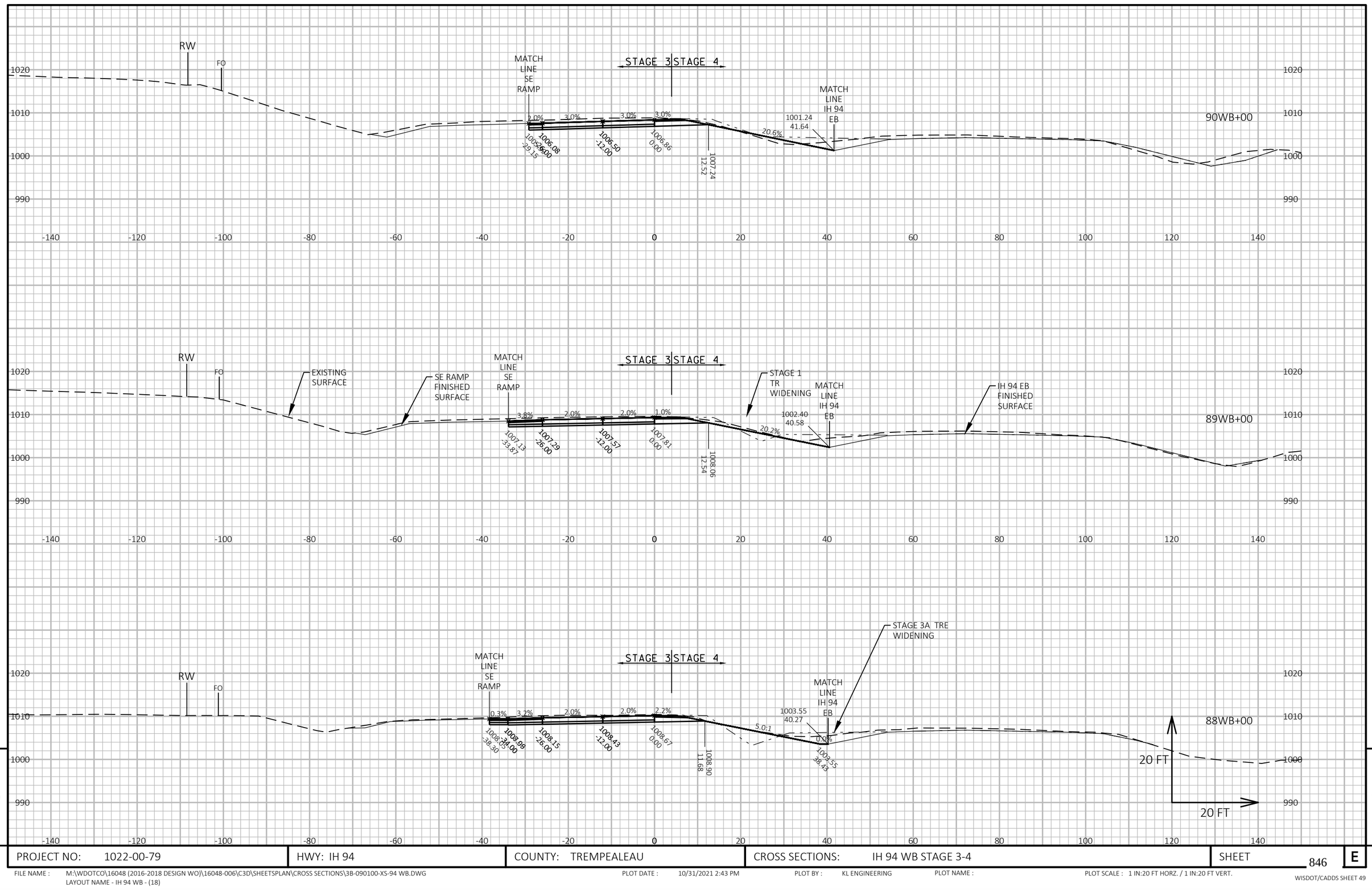
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 845	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB_RECOVER.DWG
LAYOUT NAME - IH 94 WB - (17)

PLOT DATE : 11/1/2021 7:51 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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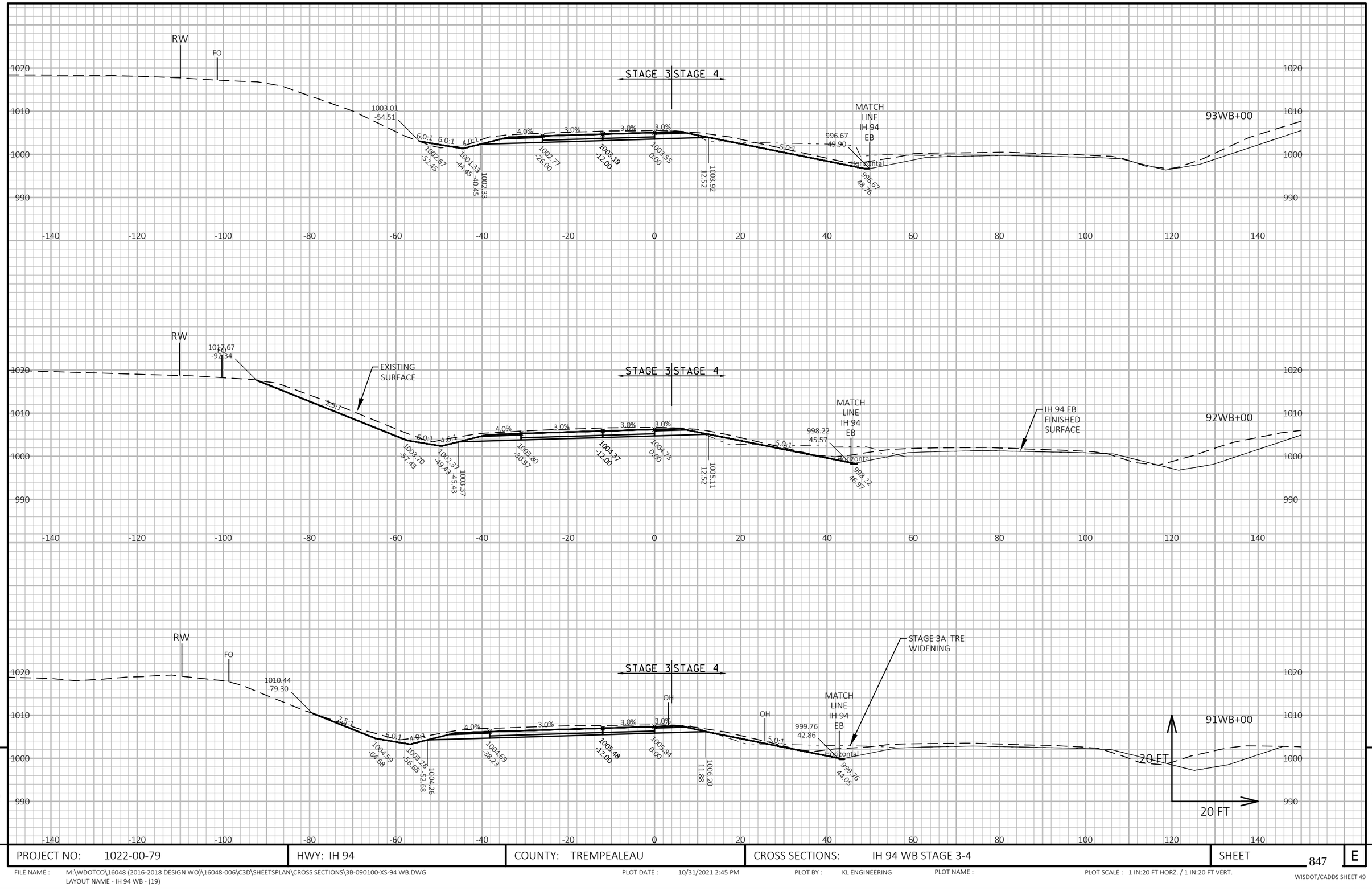
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 846	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (18)

PLOT DATE : 10/31/2021 2:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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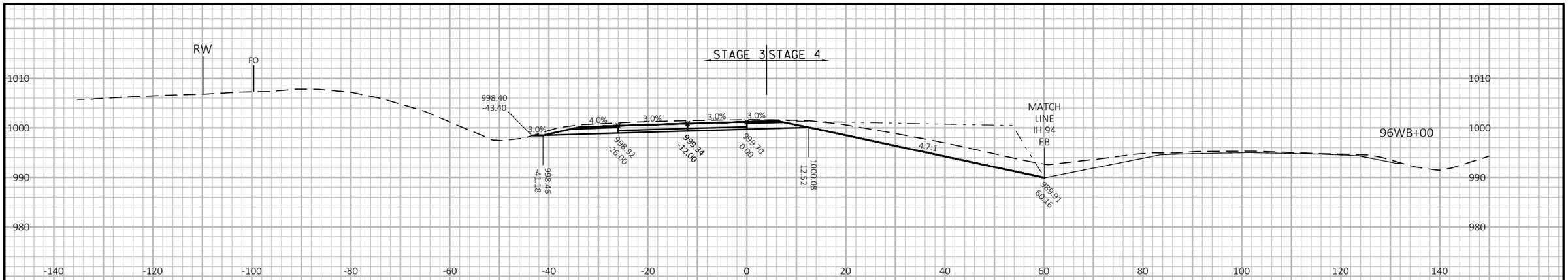
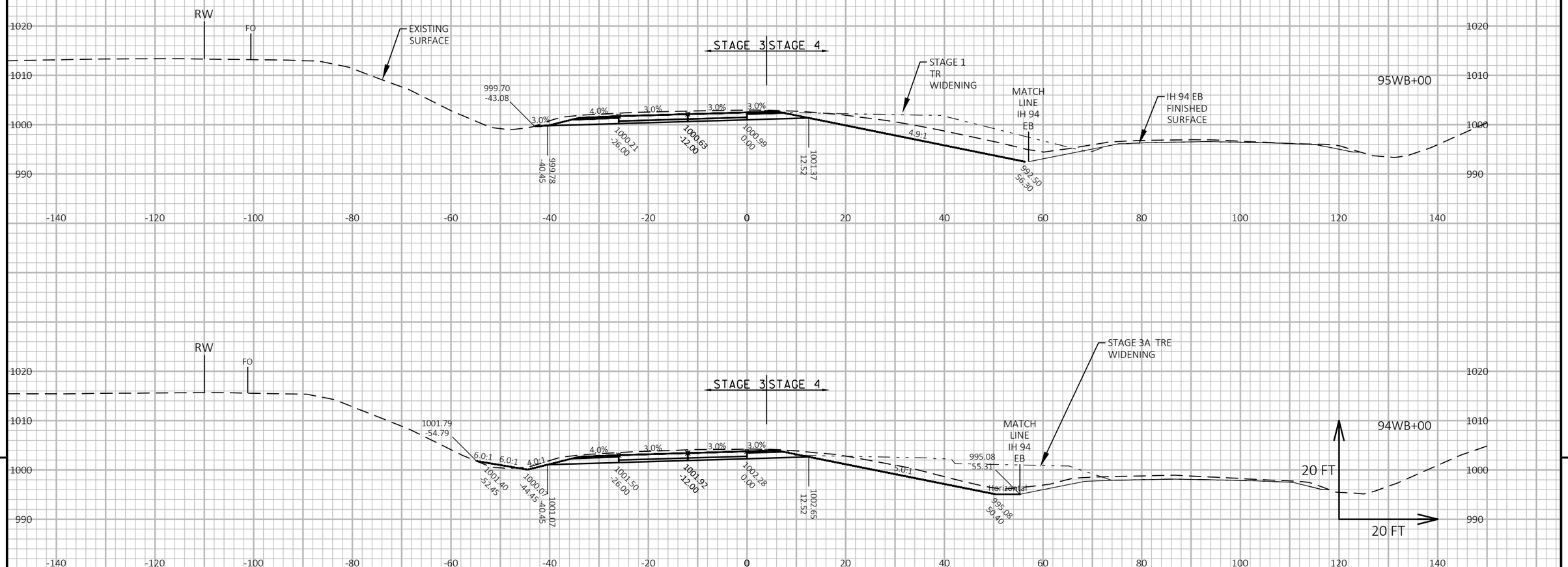
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 847	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (19)

PLOT DATE : 10/31/2021 2:45 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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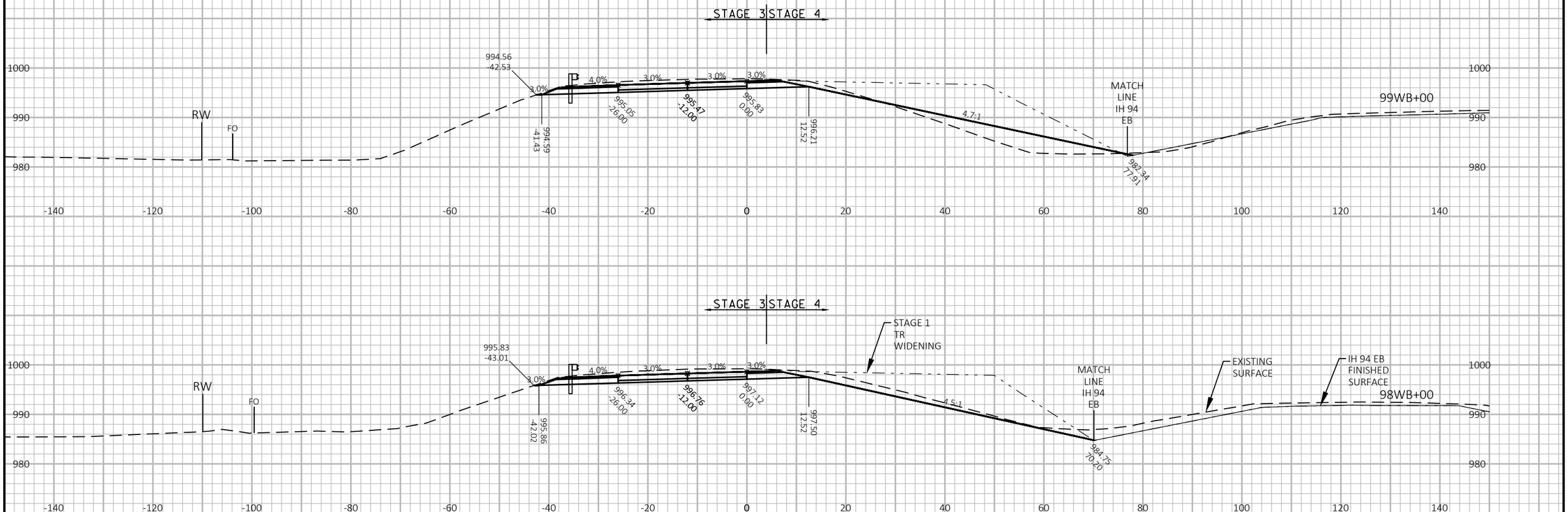
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 848	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (20)

PLOT DATE : 10/31/2021 2:47 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



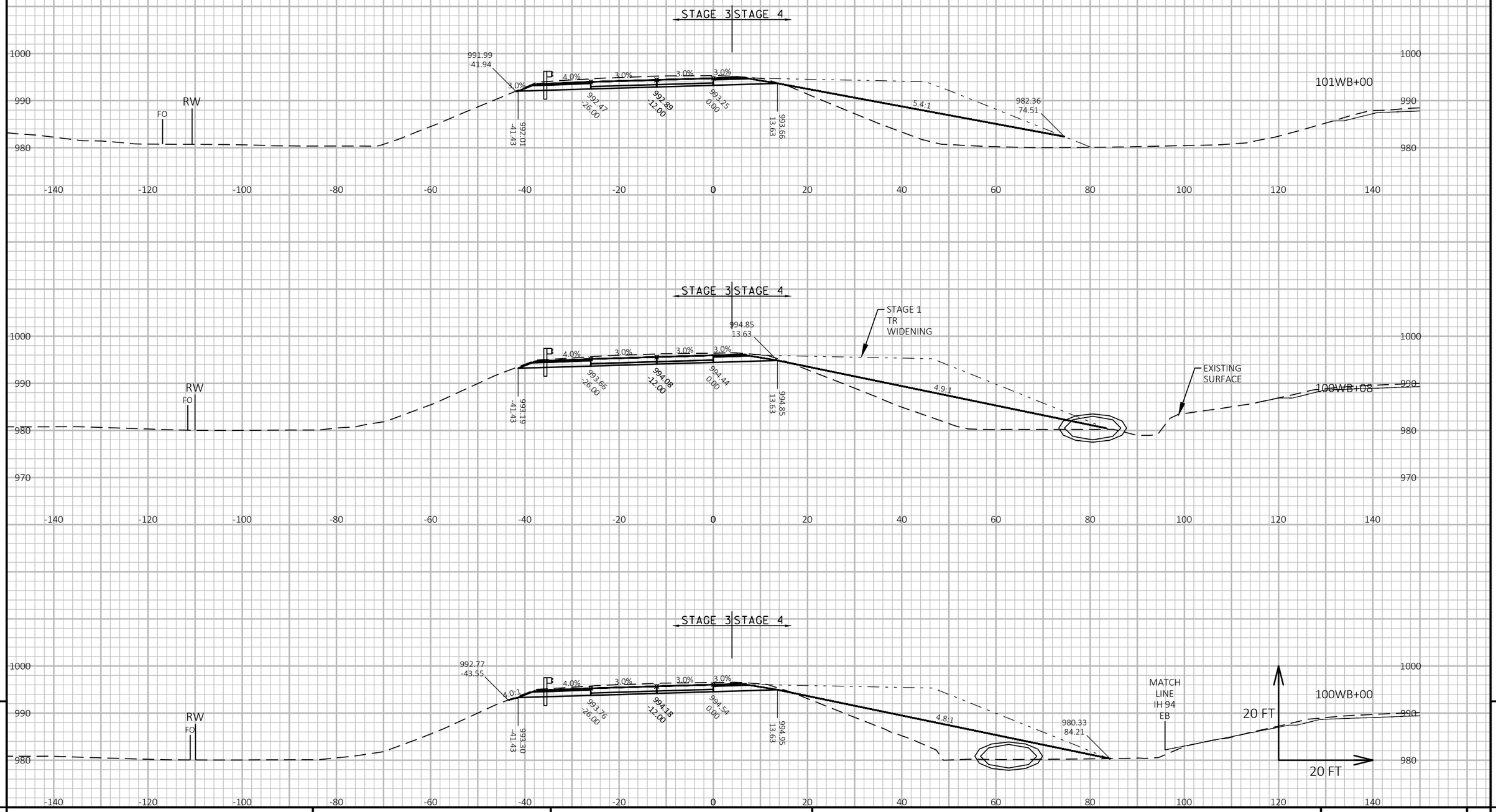
9

9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 849	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (21)

PLOT DATE : 10/31/2021 2:48 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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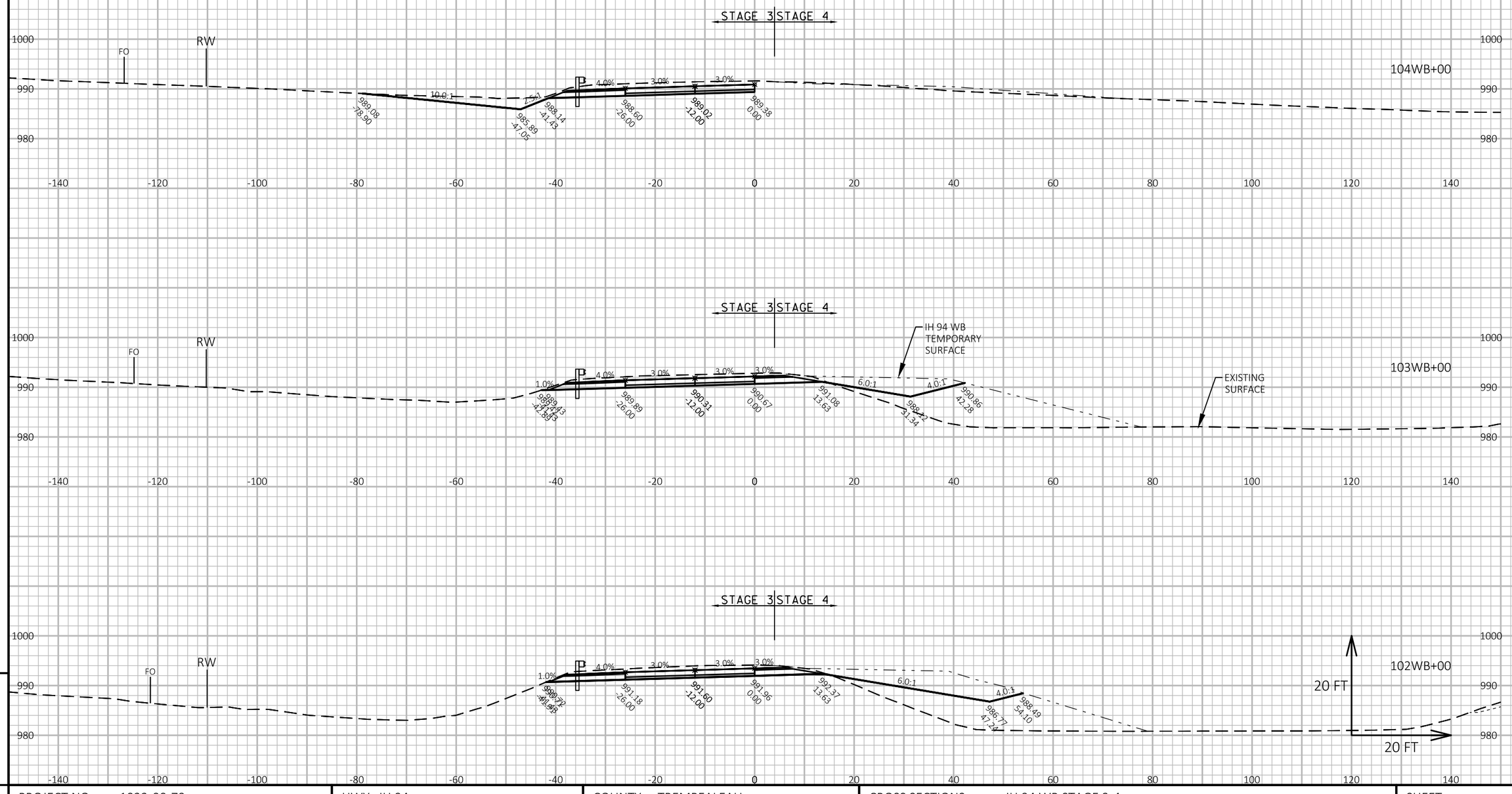
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 850	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (22)

PLOT DATE : 10/31/2021 2:50 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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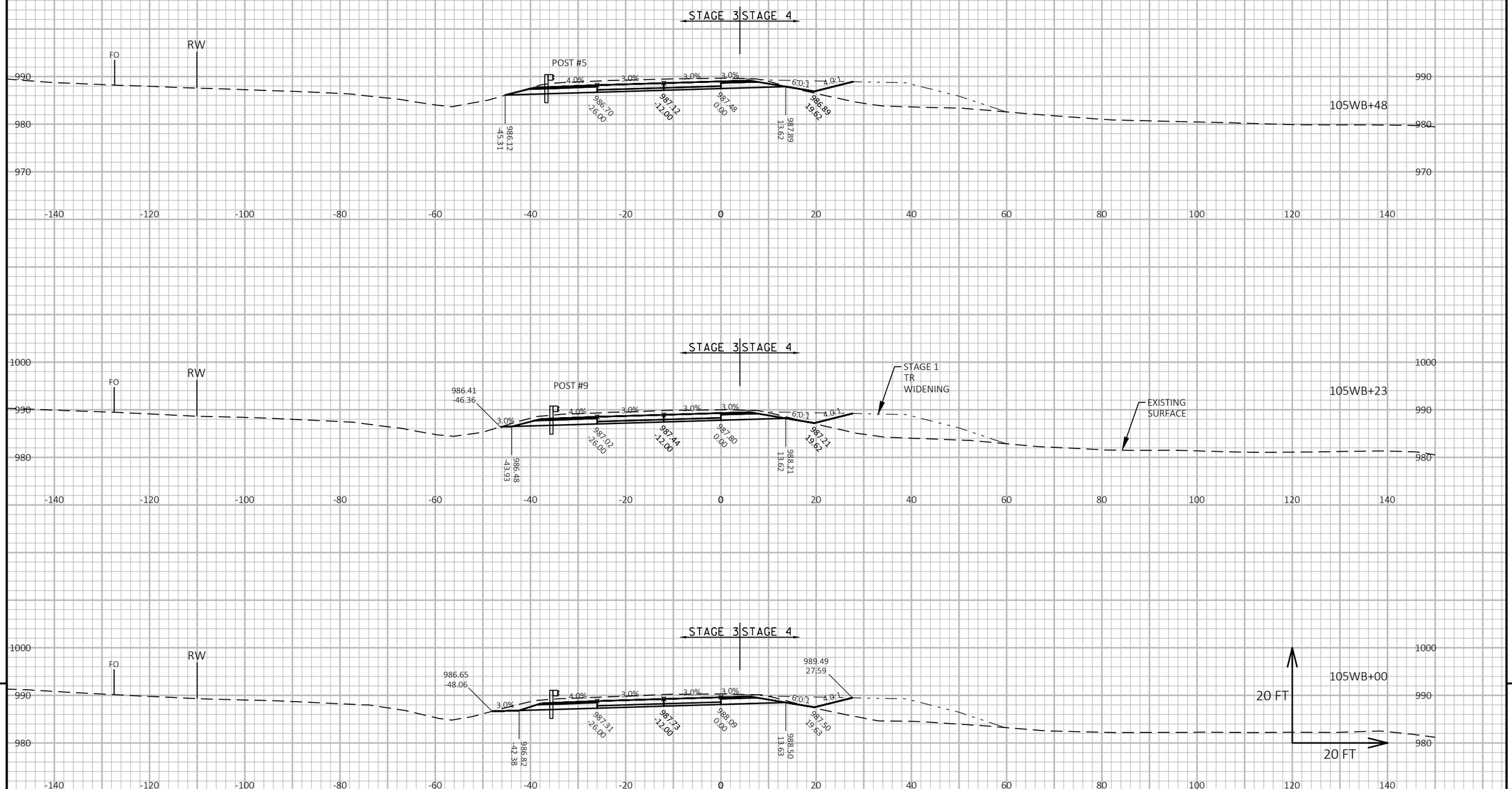
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 851	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\090102-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (23)

PLOT DATE : 8/29/2018 3:18 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

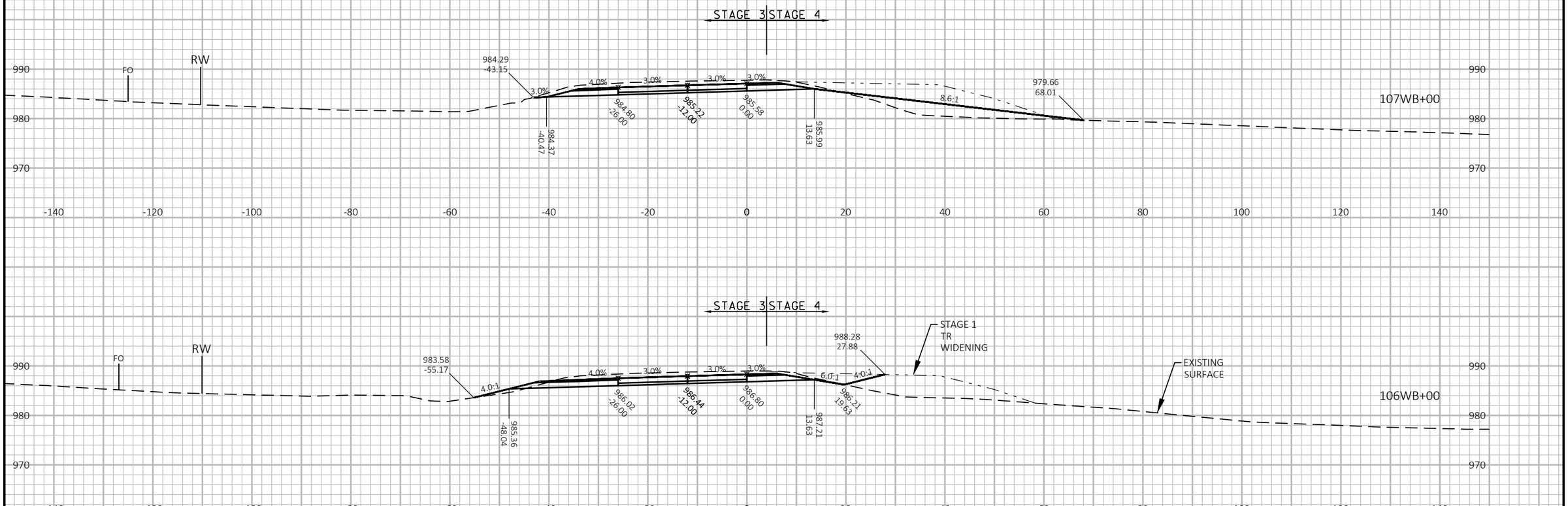


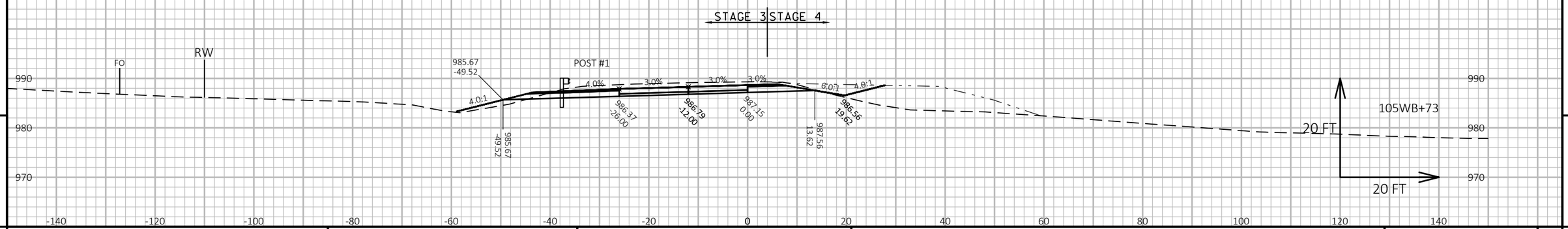
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 852 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (24)

PLOT DATE : 10/31/2021 2:52 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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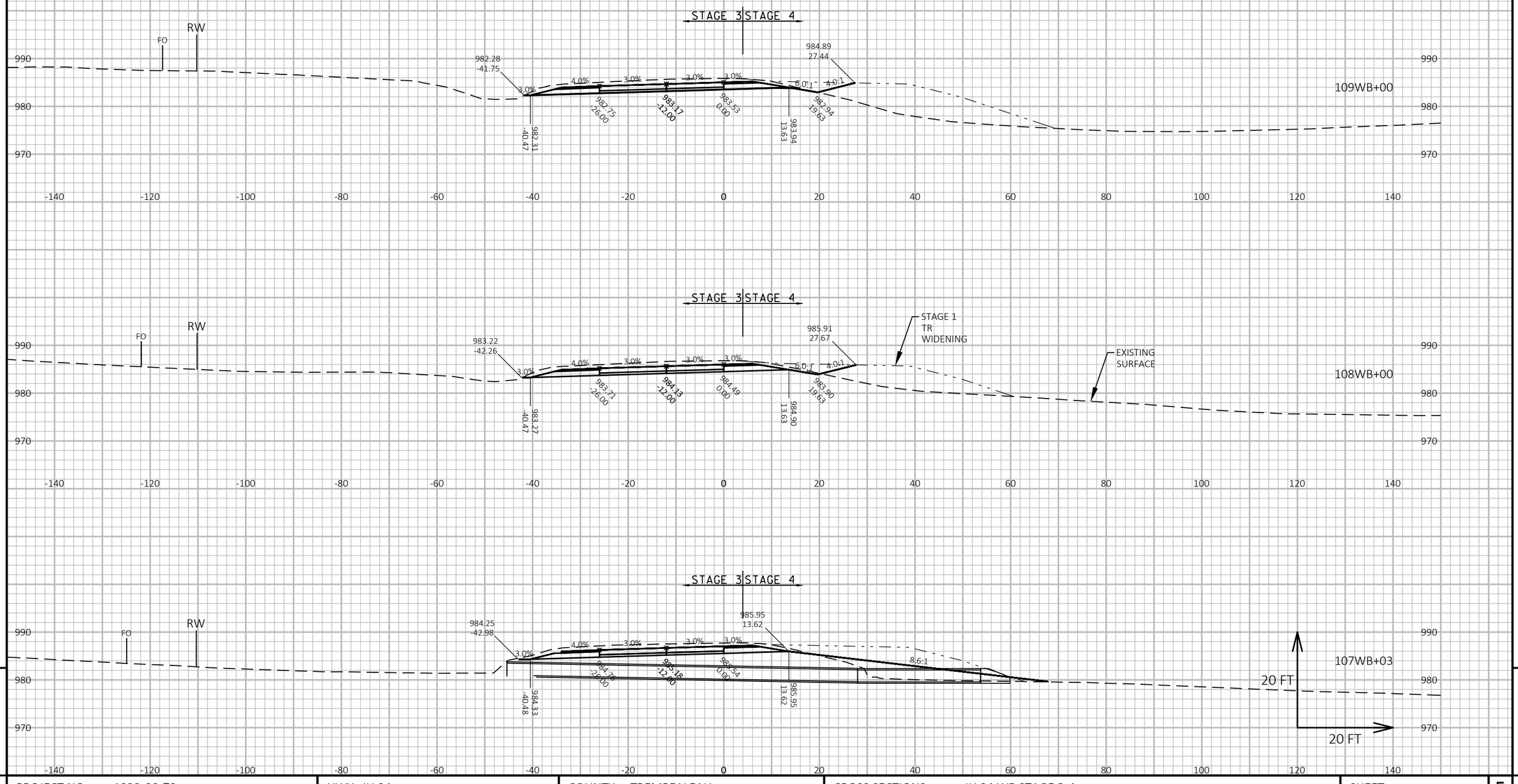
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 853	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (25)

PLOT DATE : 10/31/2021 2:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



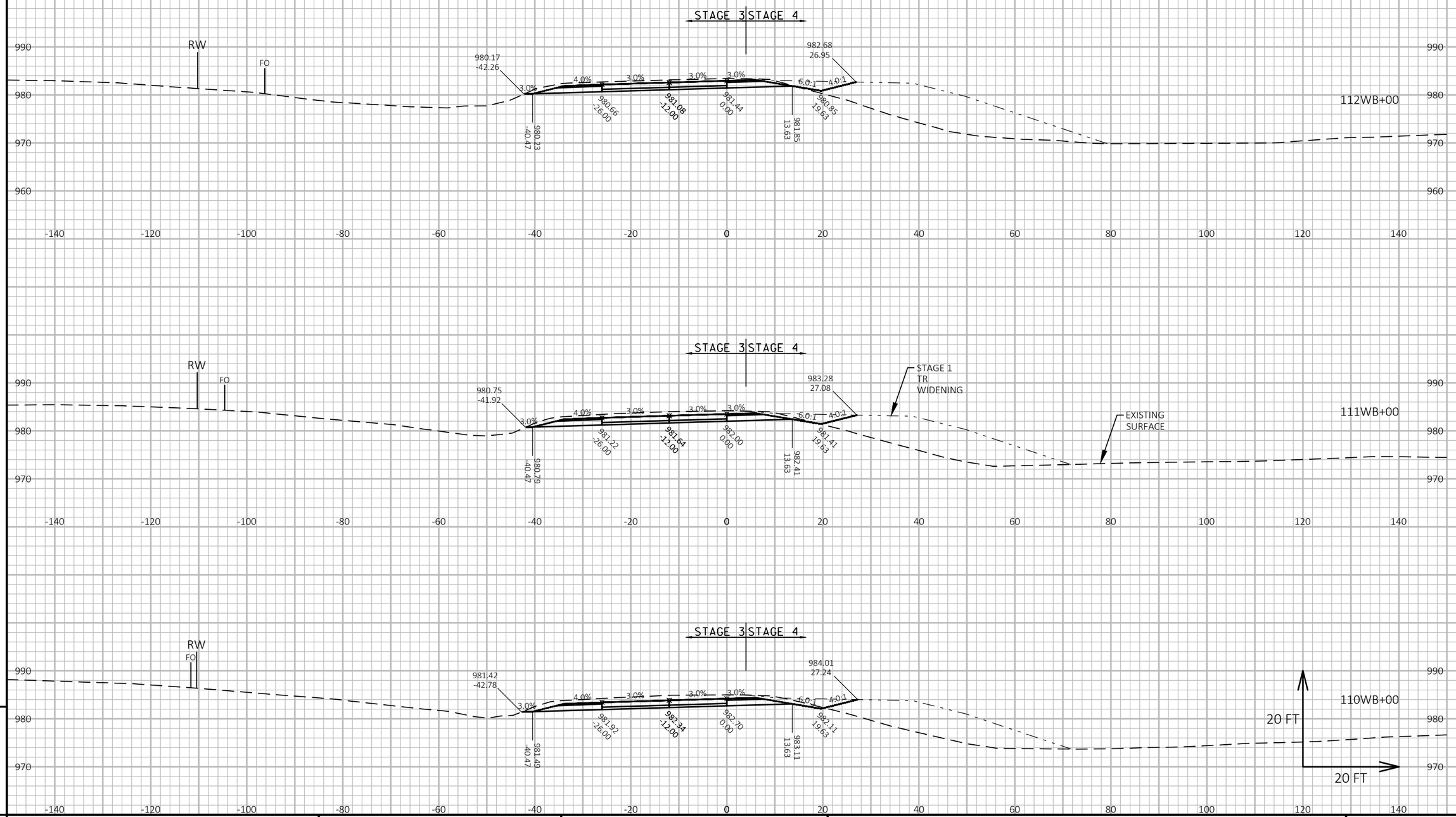
9

9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 854	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (26)

PLOT DATE : 10/31/2021 2:55 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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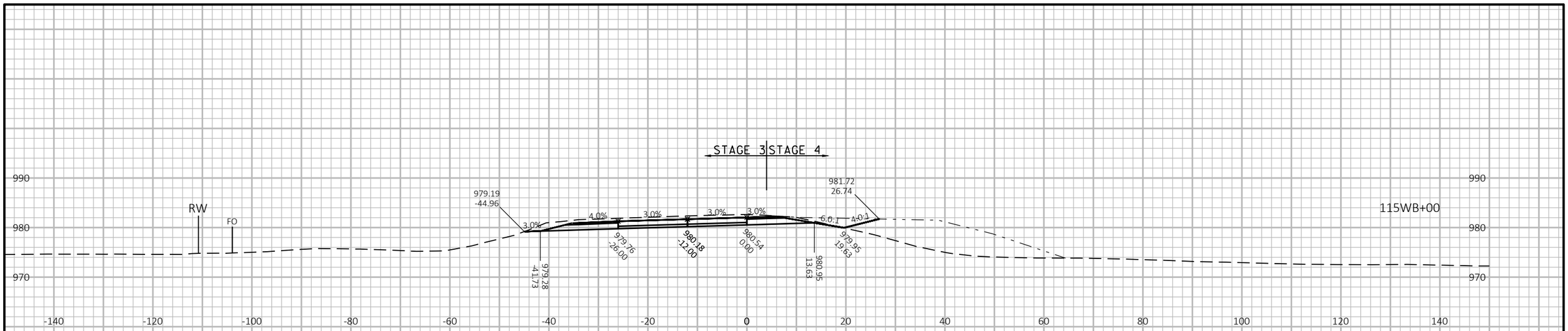
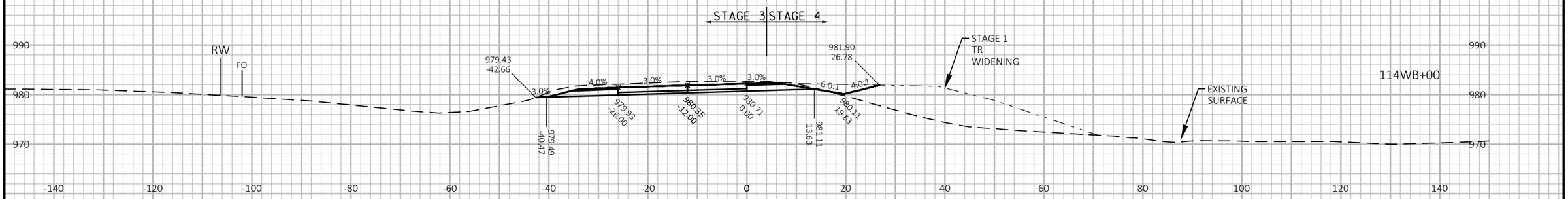
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 855	E

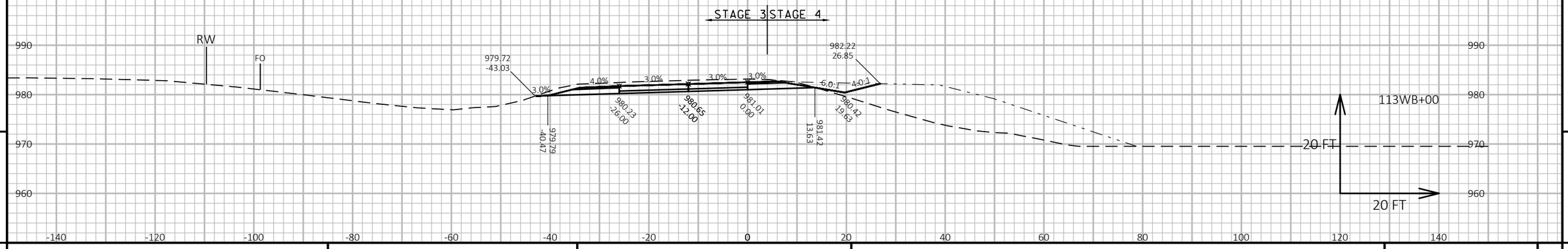
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (27)

PLOT DATE : 10/31/2021 2:56 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







9

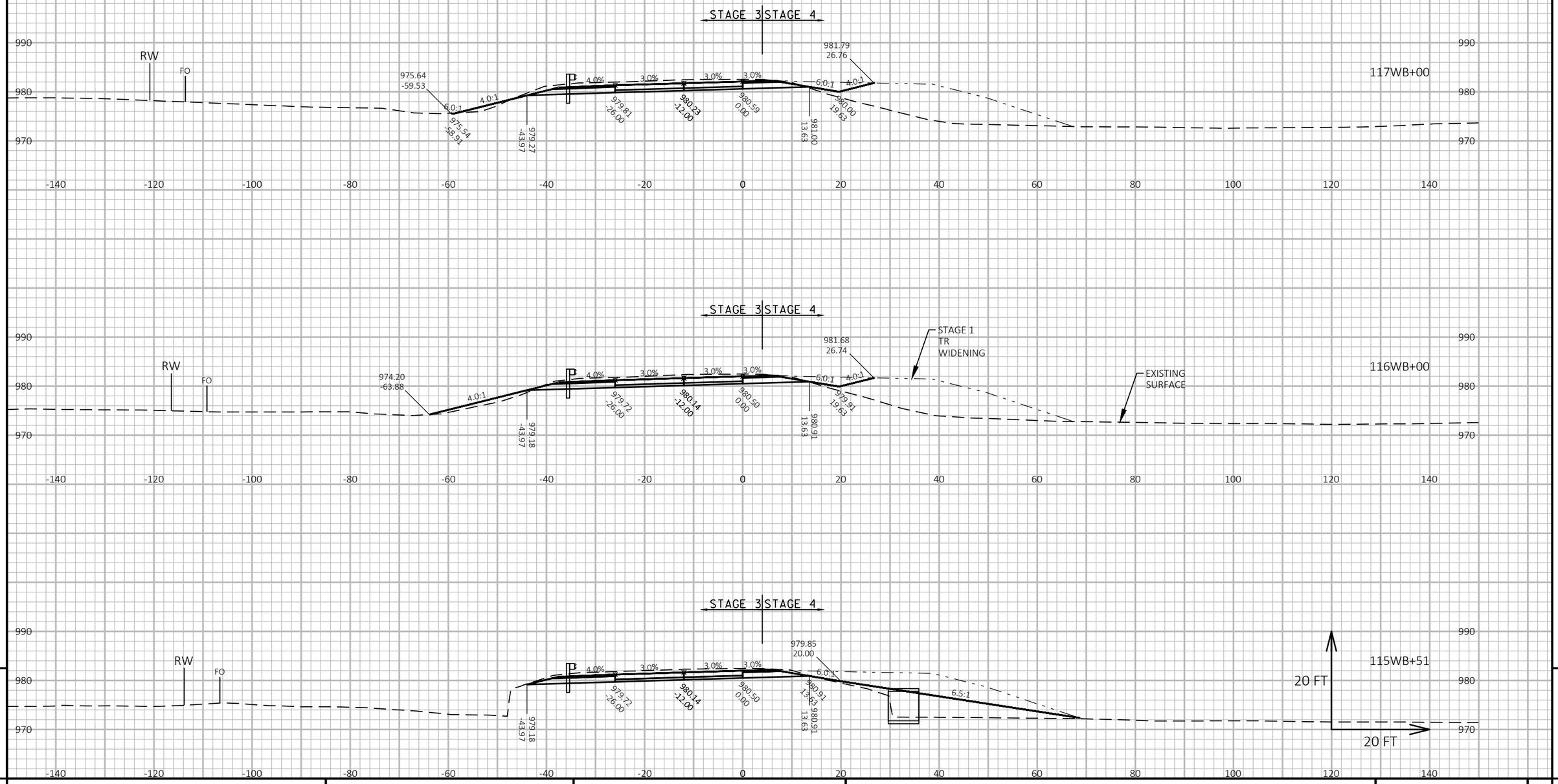
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 856	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (28)

PLOT DATE : 10/31/2021 2:57 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

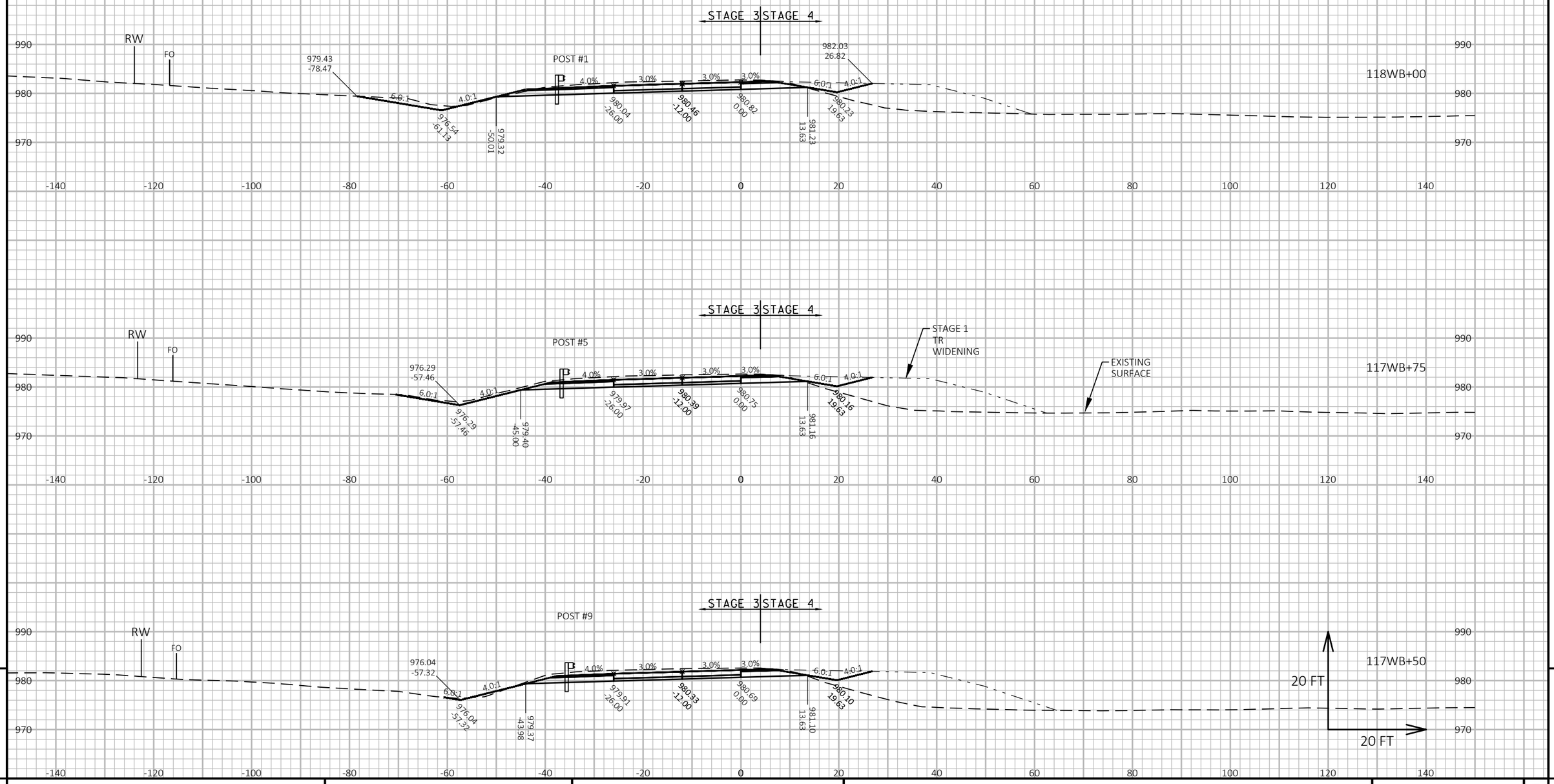


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 857	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (29)

PLOT DATE : 1/25/2022 5:17 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 858	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (30)

PLOT DATE : 10/31/2021 3:00 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

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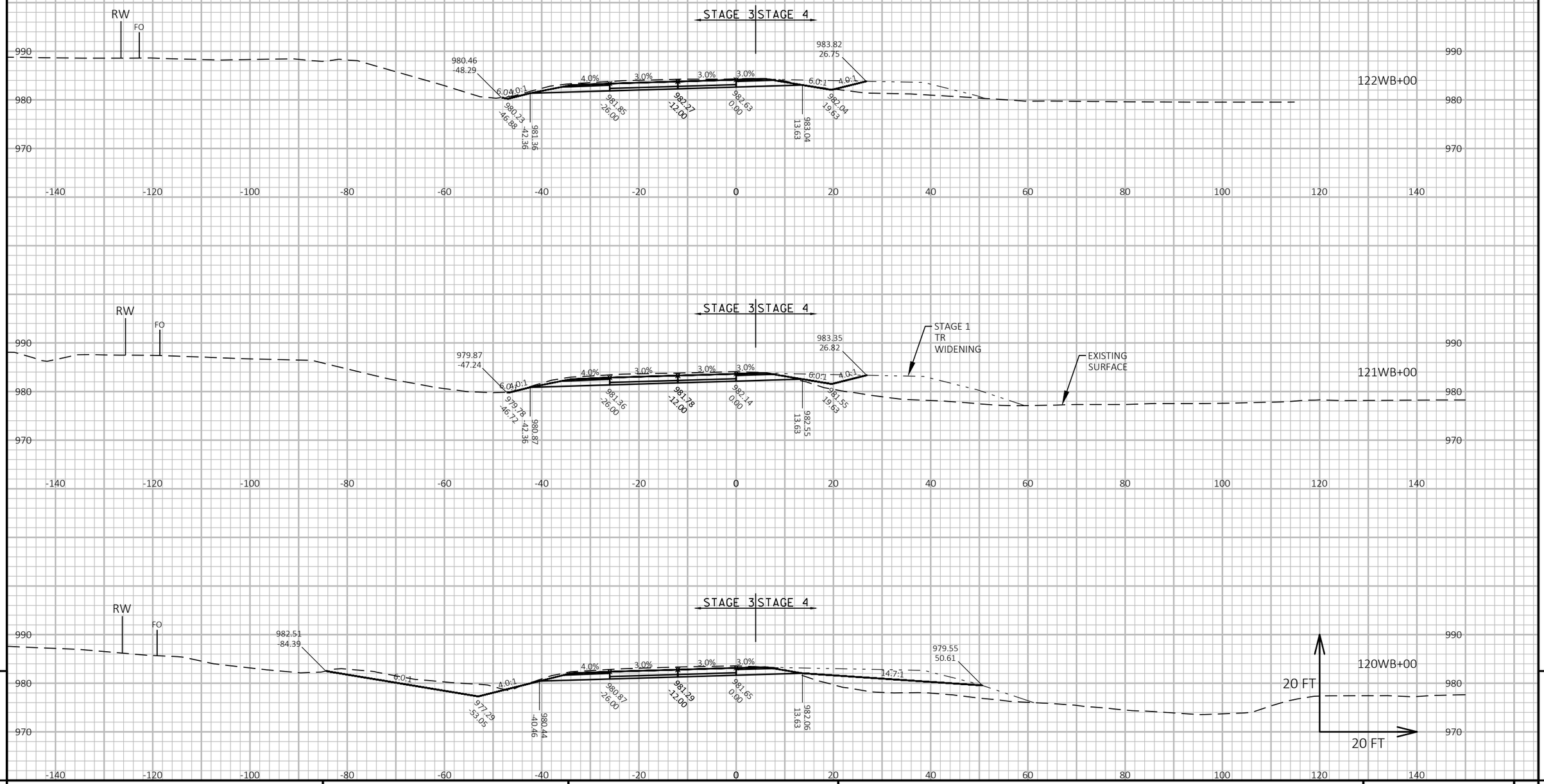
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 859	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (31)

PLOT DATE : 10/31/2021 3:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

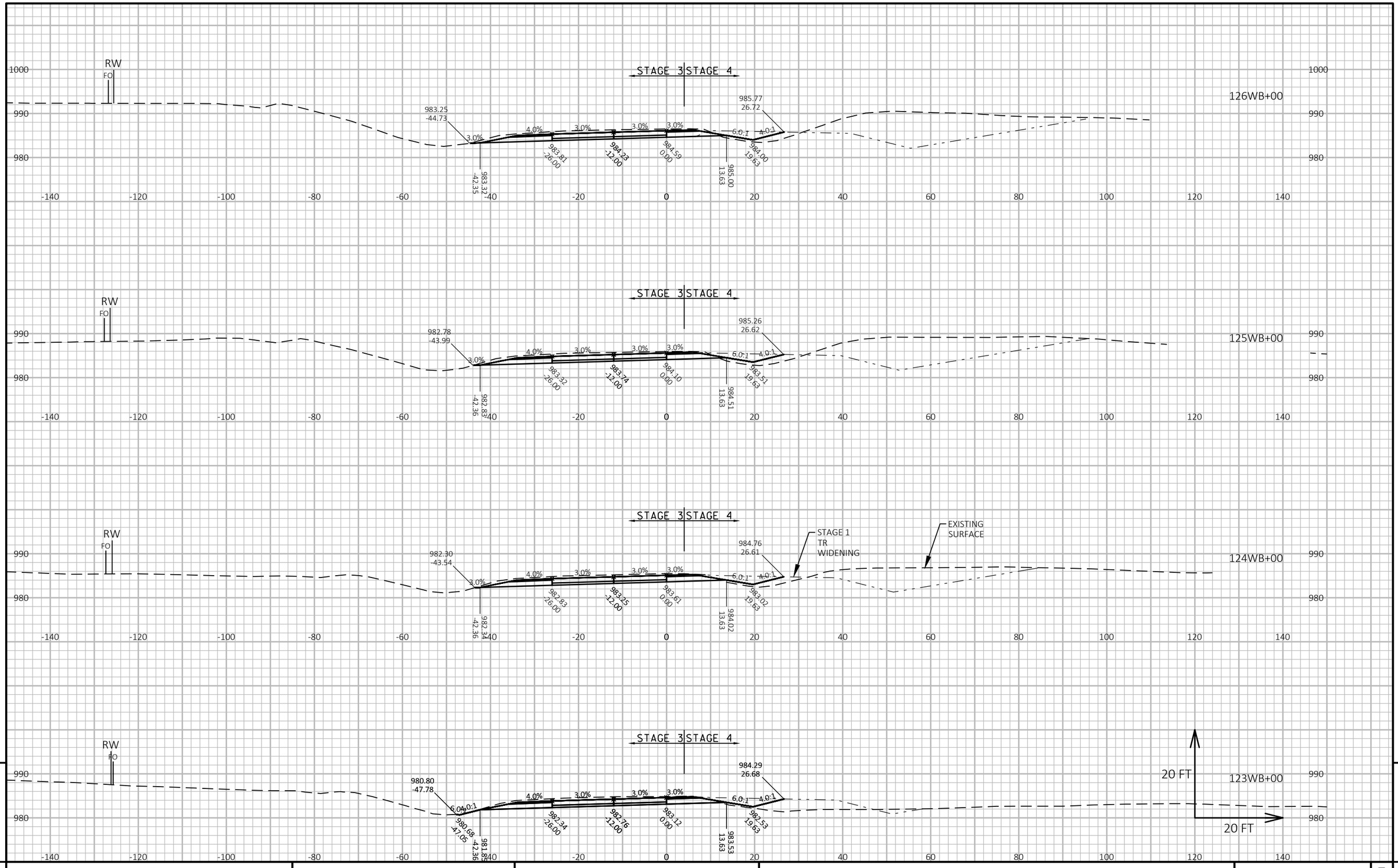


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 860 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (32)

PLOT DATE : 10/31/2021 3:02 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

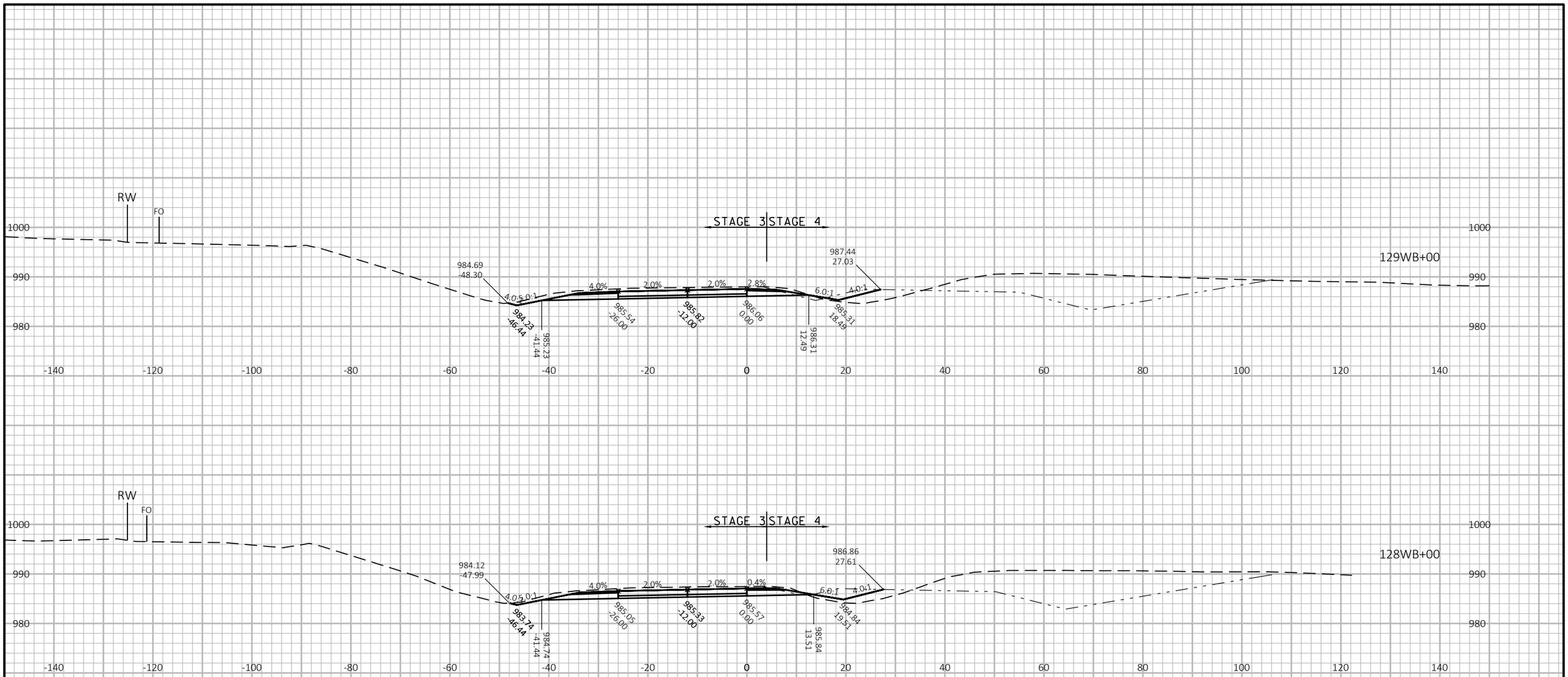
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 861	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (33)

PLOT DATE : 10/31/2021 3:03 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



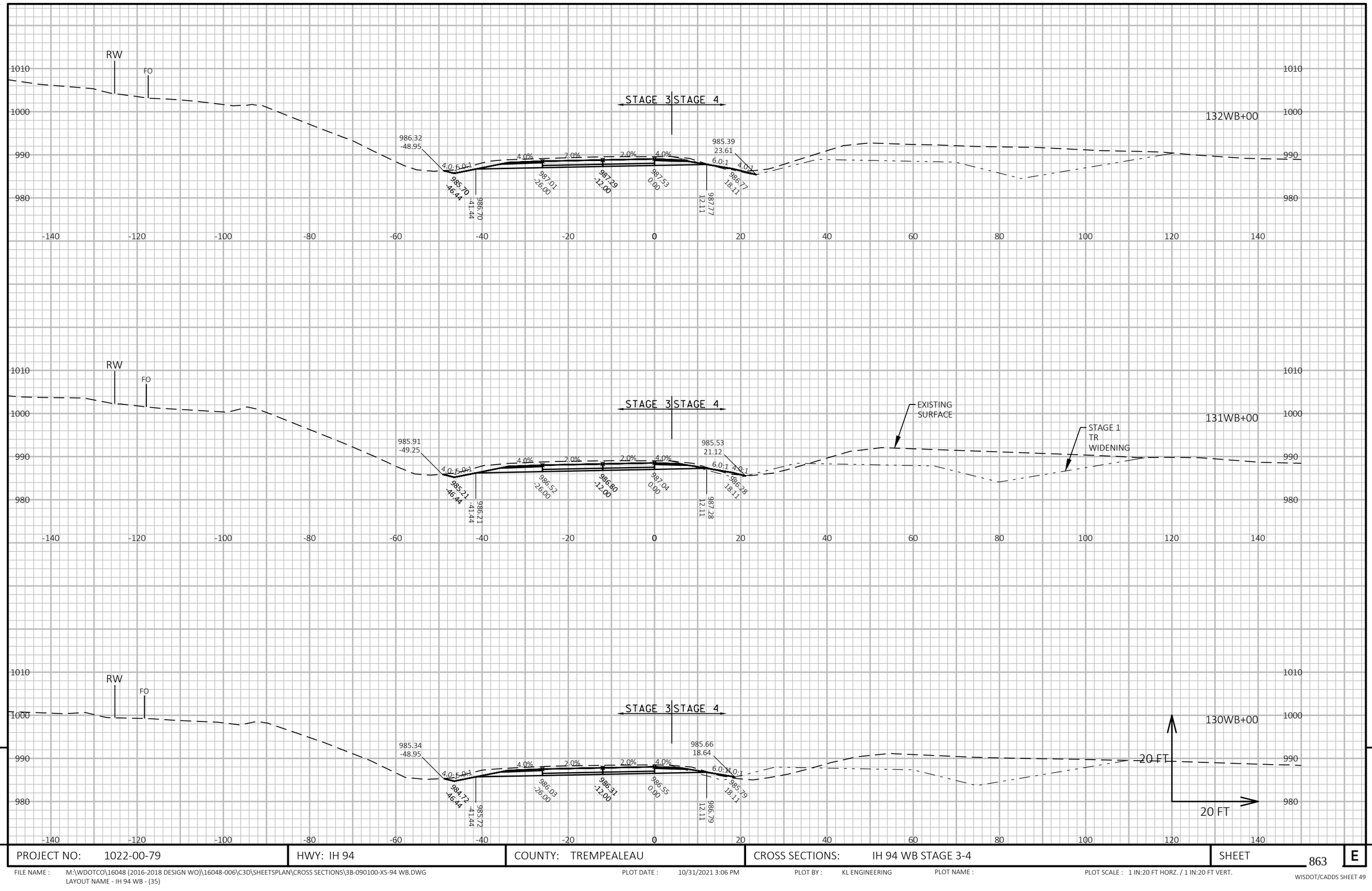
9

9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 862	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (34)

PLOT DATE : 10/31/2021 3:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 863	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (35)

PLOT DATE : 10/31/2021 3:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

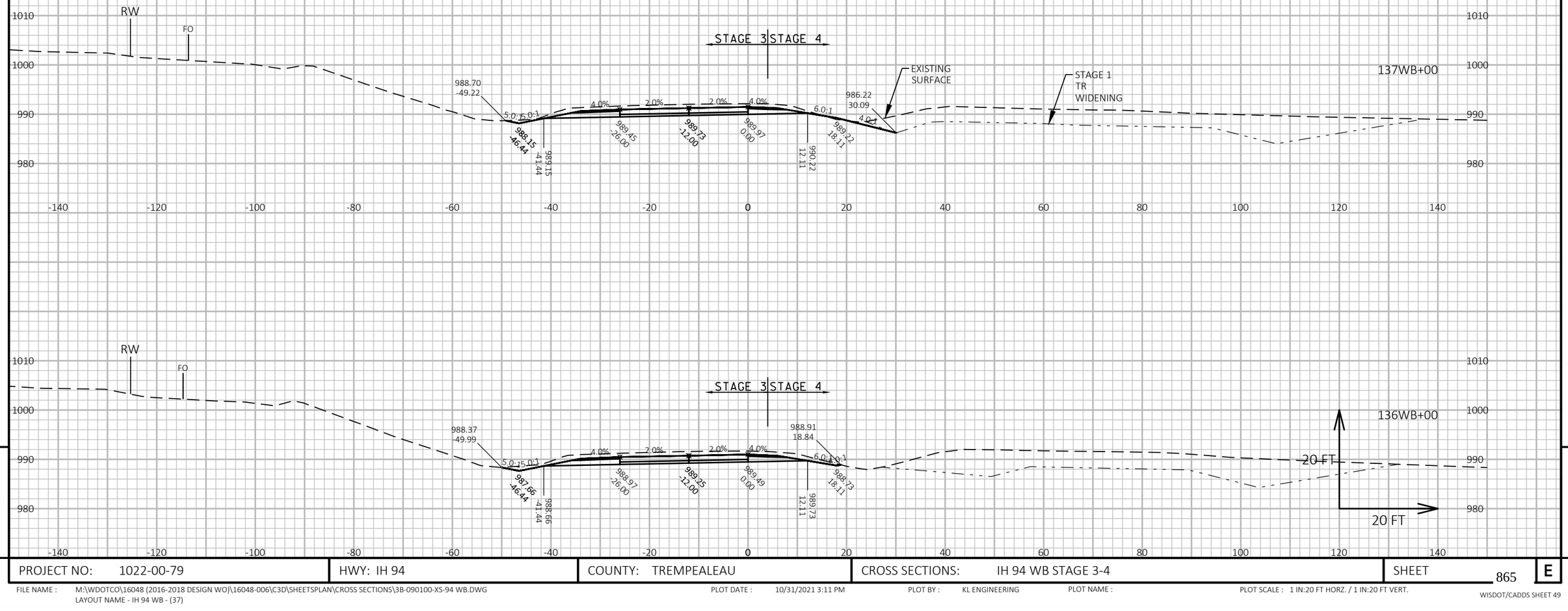
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 864	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (36)

PLOT DATE : 10/31/2021 3:08 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



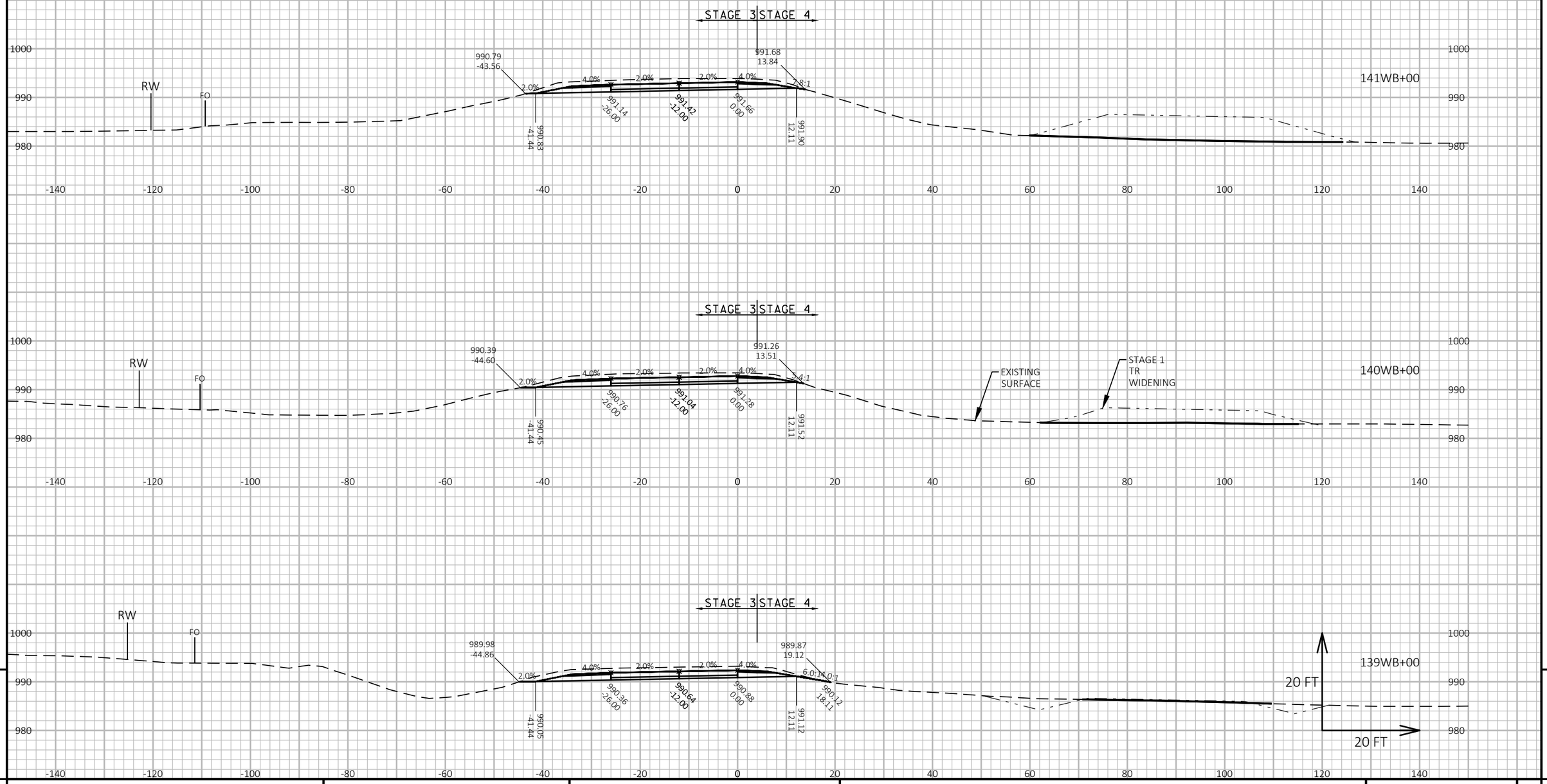
9

9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 865	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (37)

PLOT DATE : 10/31/2021 3:11 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

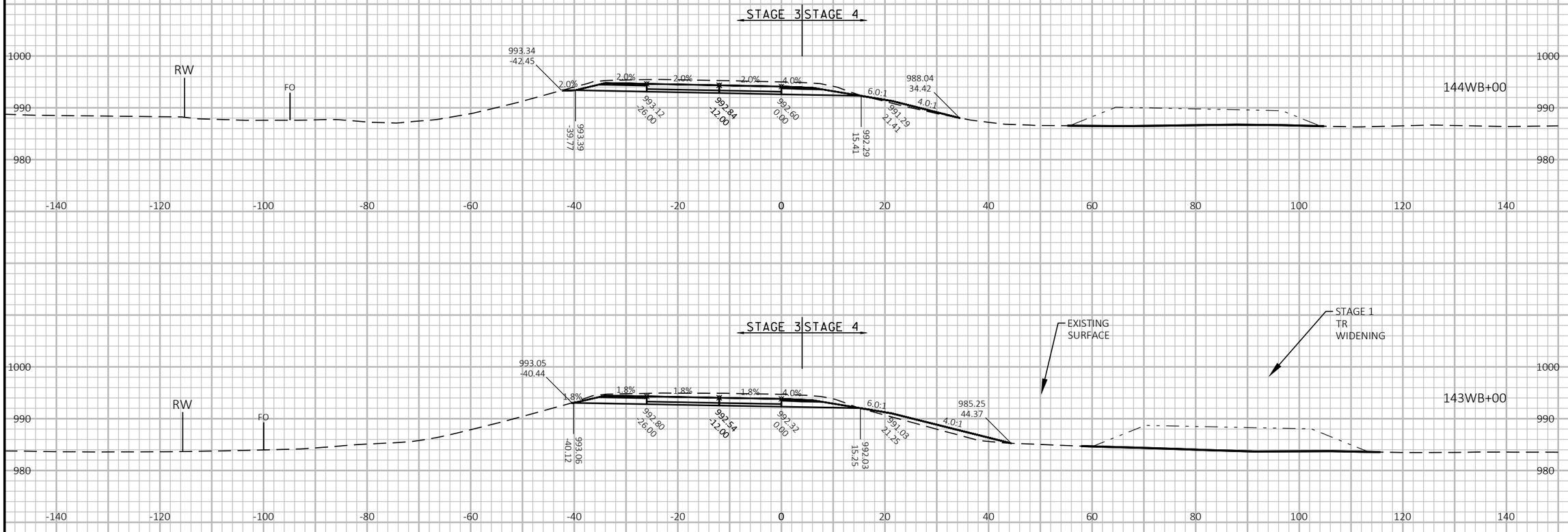


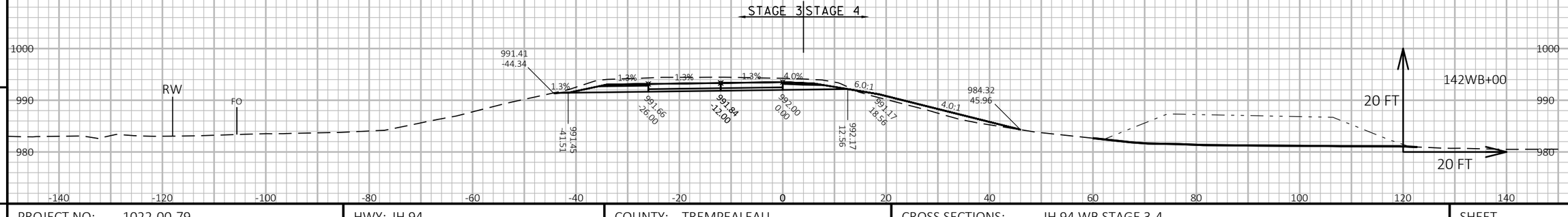
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 866	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (38)

PLOT DATE : 10/31/2021 3:13 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 867	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (39)

PLOT DATE : 10/31/2021 3:14 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

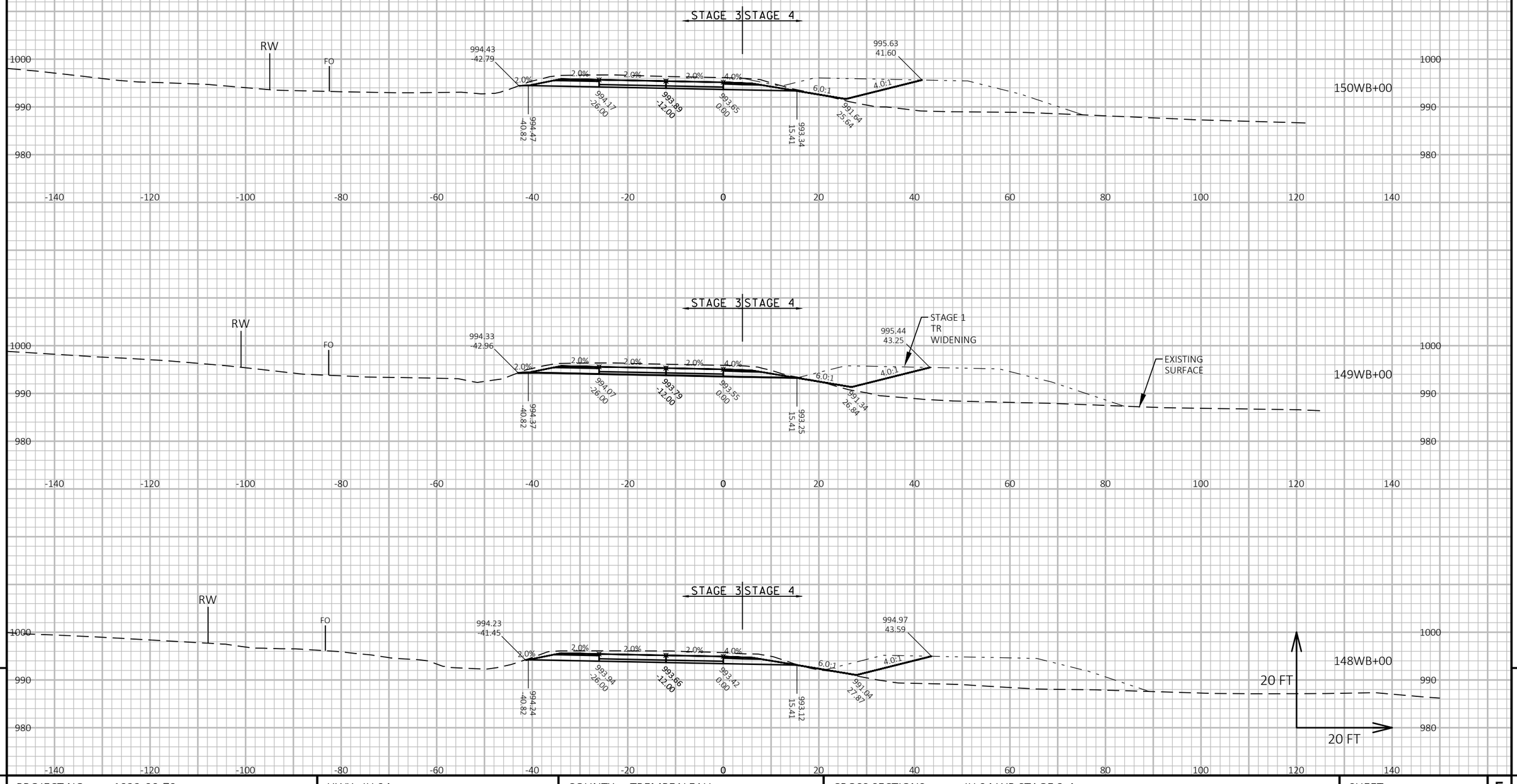
WISDOT/CADDS SHEET 49

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 868	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (40)

PLOT DATE : 10/31/2021 3:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

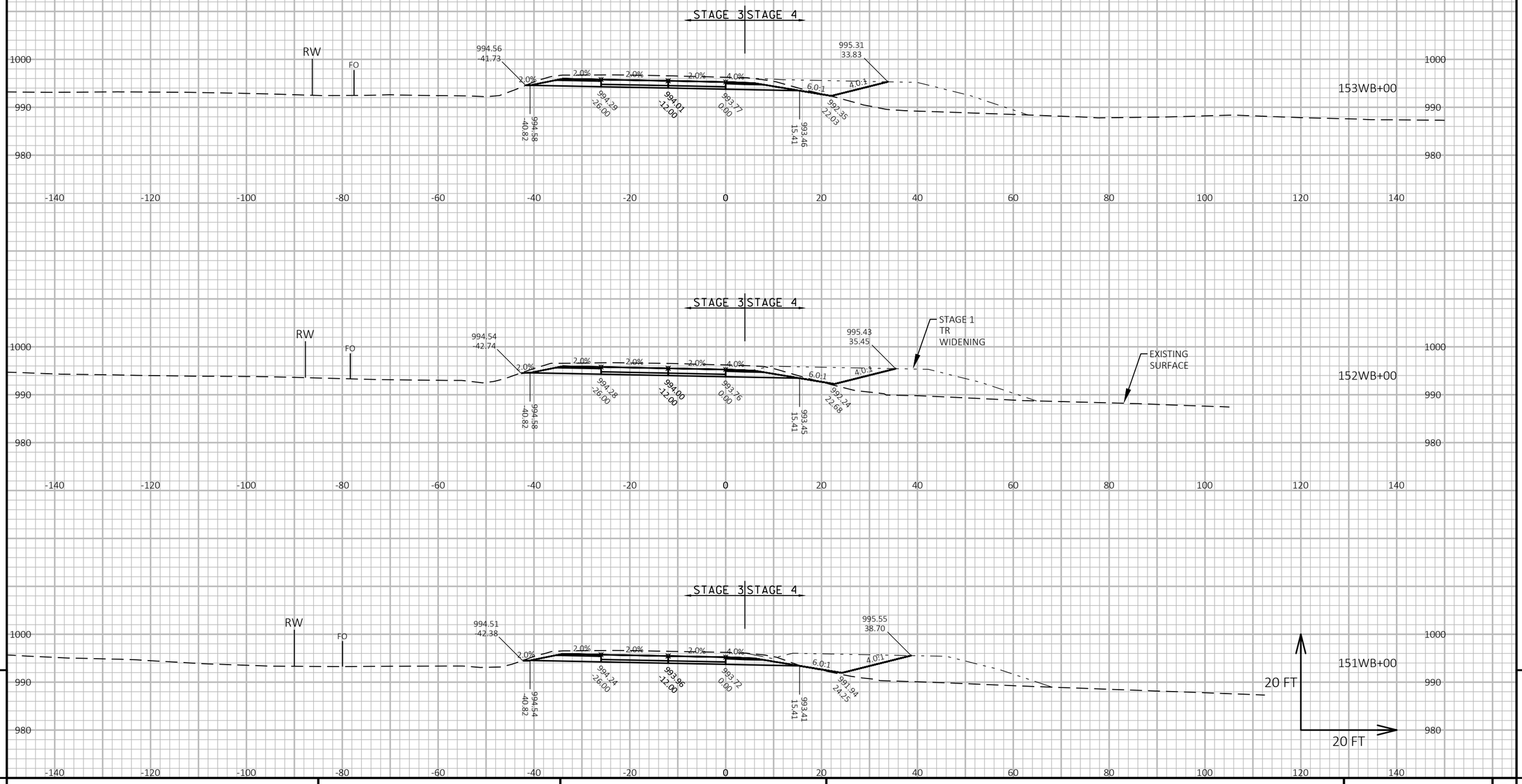
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 869	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (41)

PLOT DATE : 10/31/2021 3:16 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

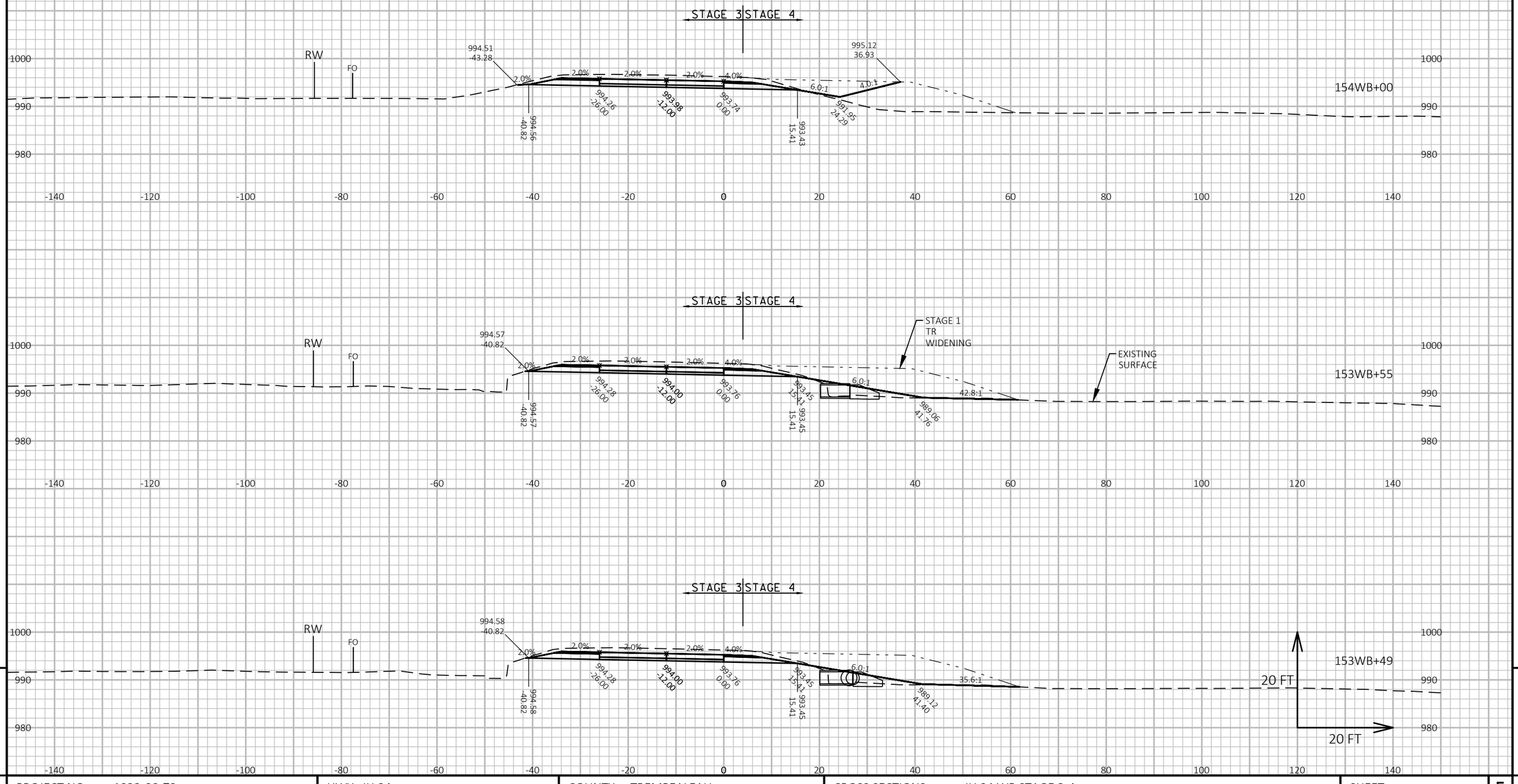


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 870	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (42)

PLOT DATE : 10/31/2021 3:18 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

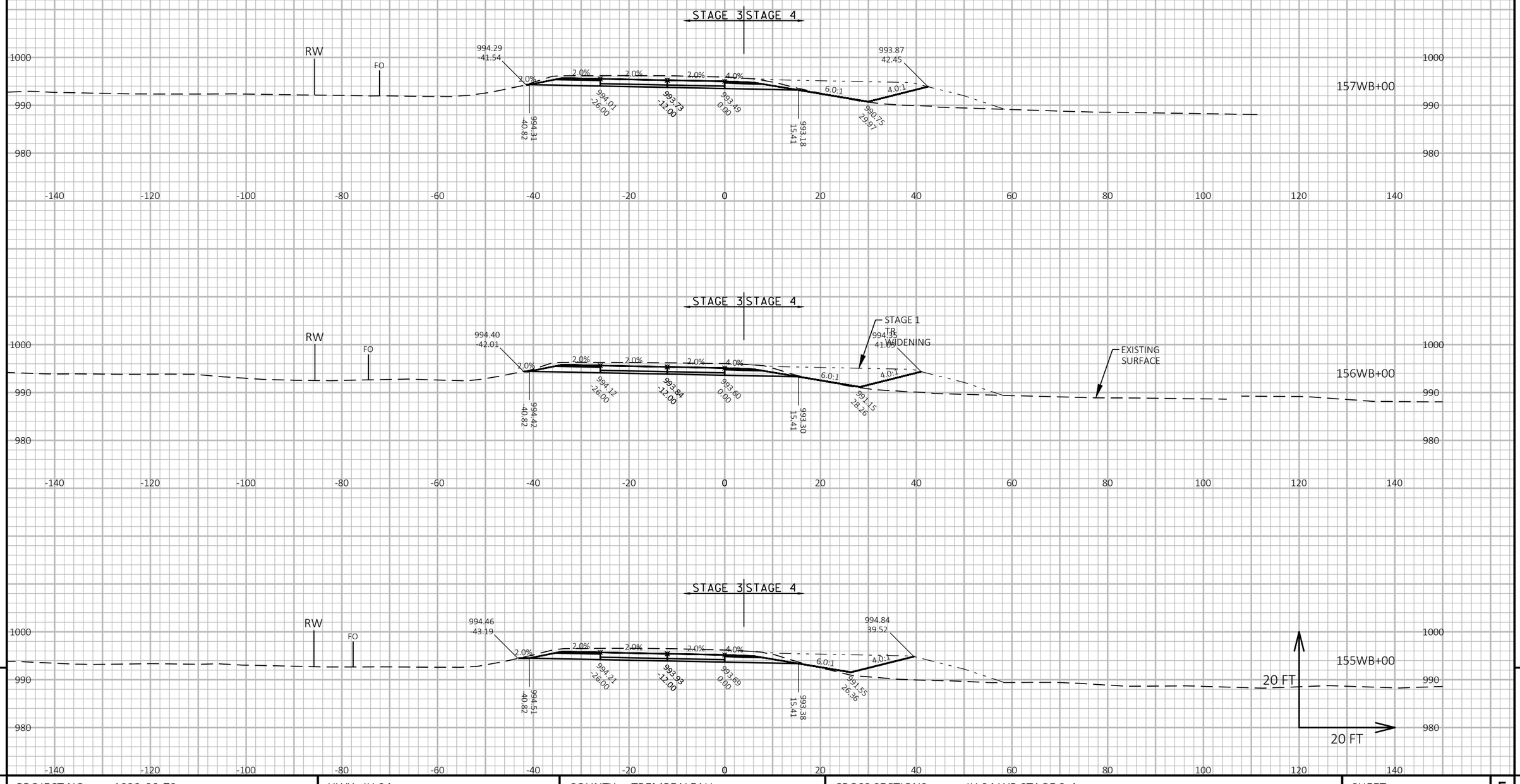


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 871	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (43)

PLOT DATE : 10/31/2021 3:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



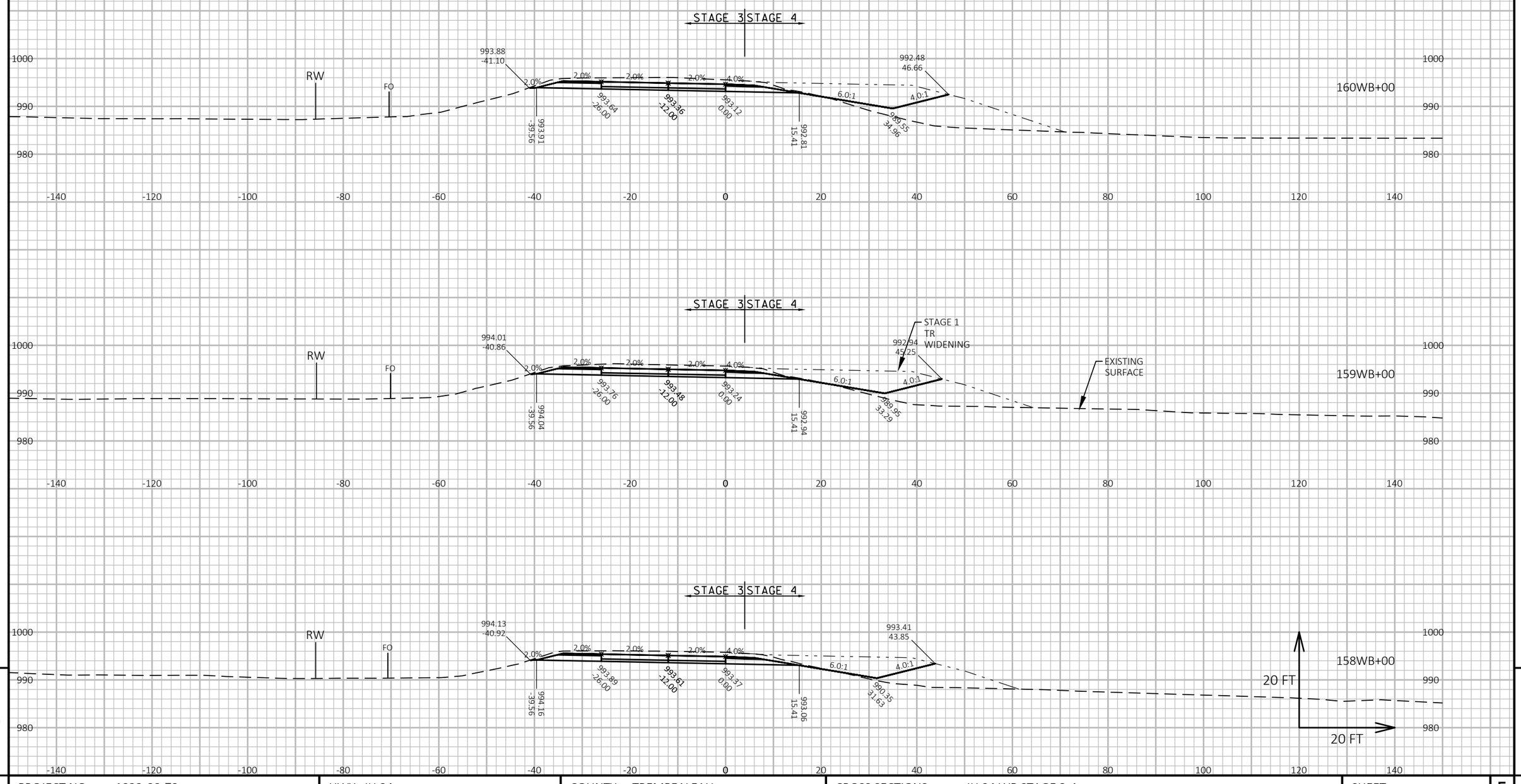
9

9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 872	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (44)

PLOT DATE : 10/31/2021 3:20 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 873	E

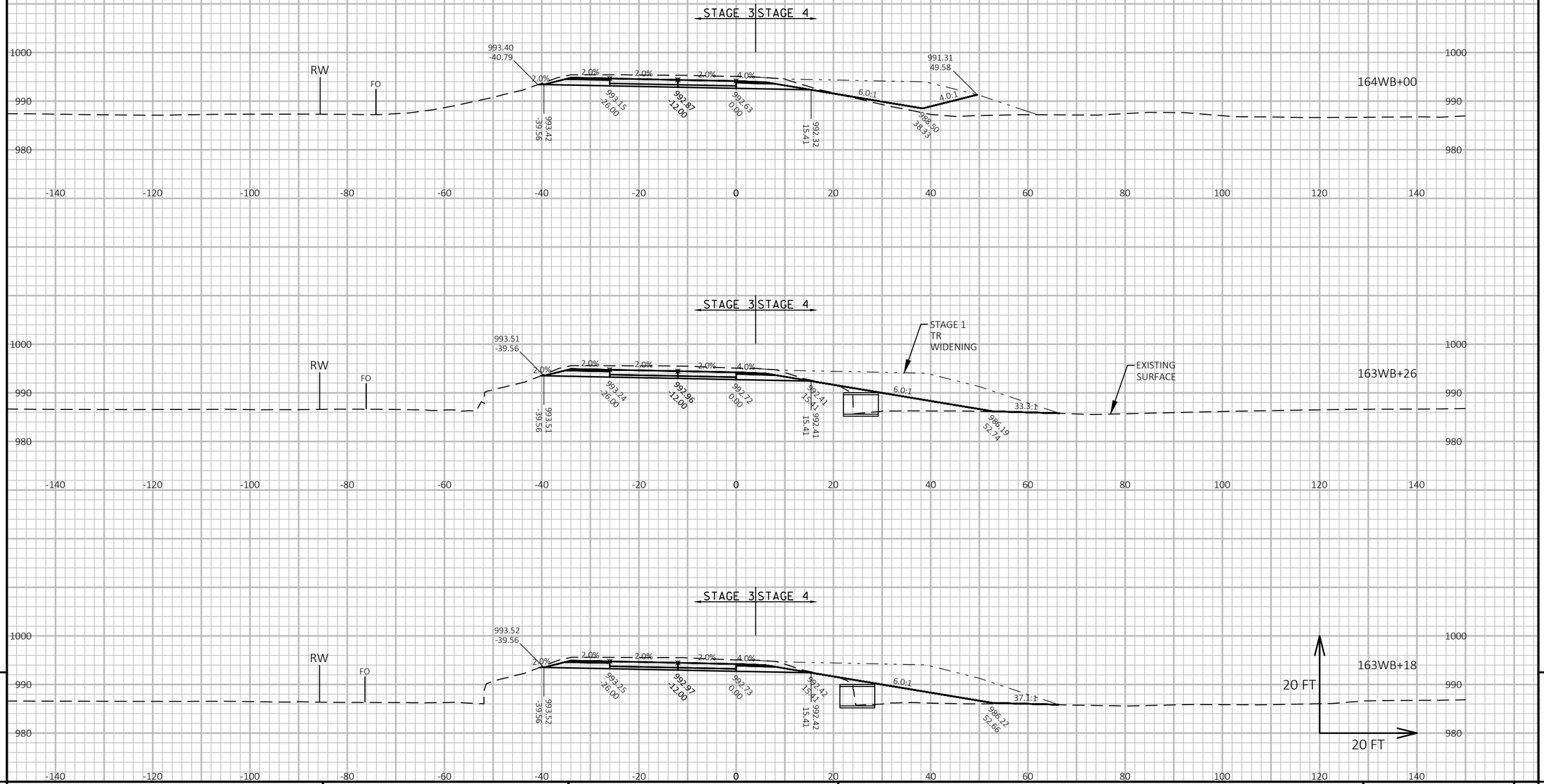
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (45)
PLOT DATE : 10/31/2021 3:22 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 874	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (46)

PLOT DATE : 10/31/2021 3:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 875	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (47)

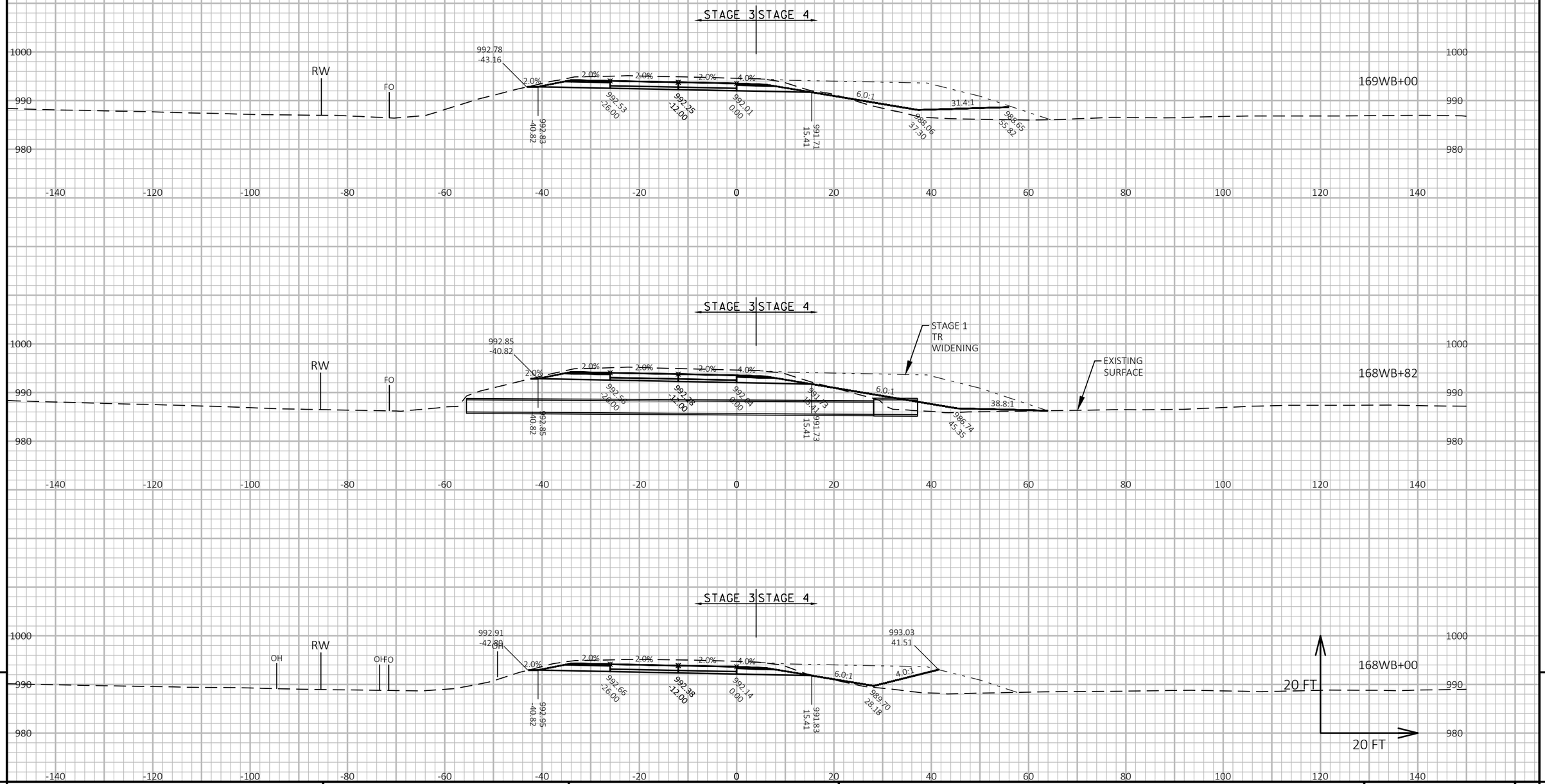
PLOT DATE : 10/31/2021 3:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 876	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (48)

PLOT DATE : 10/31/2021 3:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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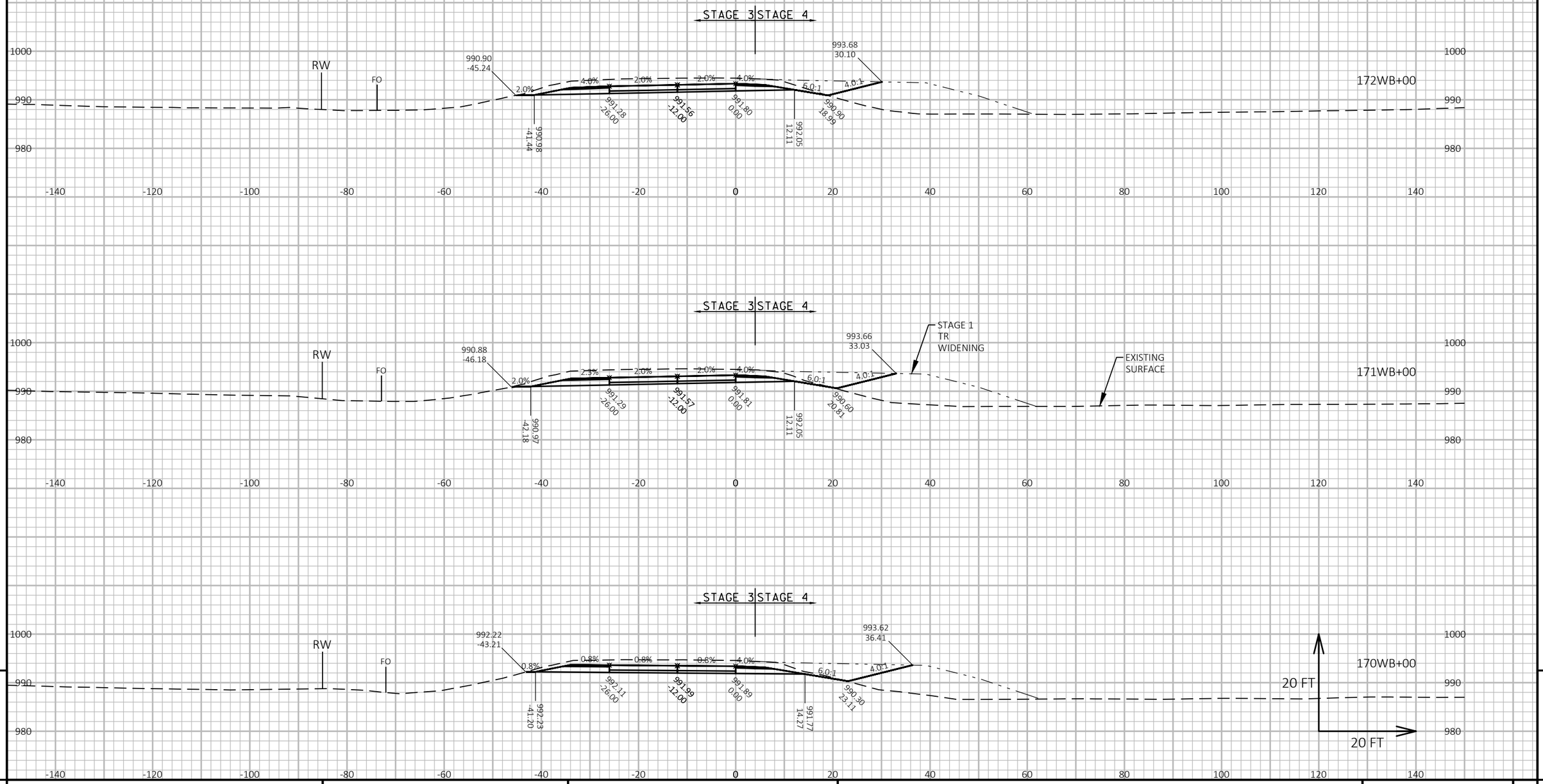
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 877	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (49)

PLOT DATE : 10/31/2021 3:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 878 E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (50)

PLOT DATE : 10/31/2021 3:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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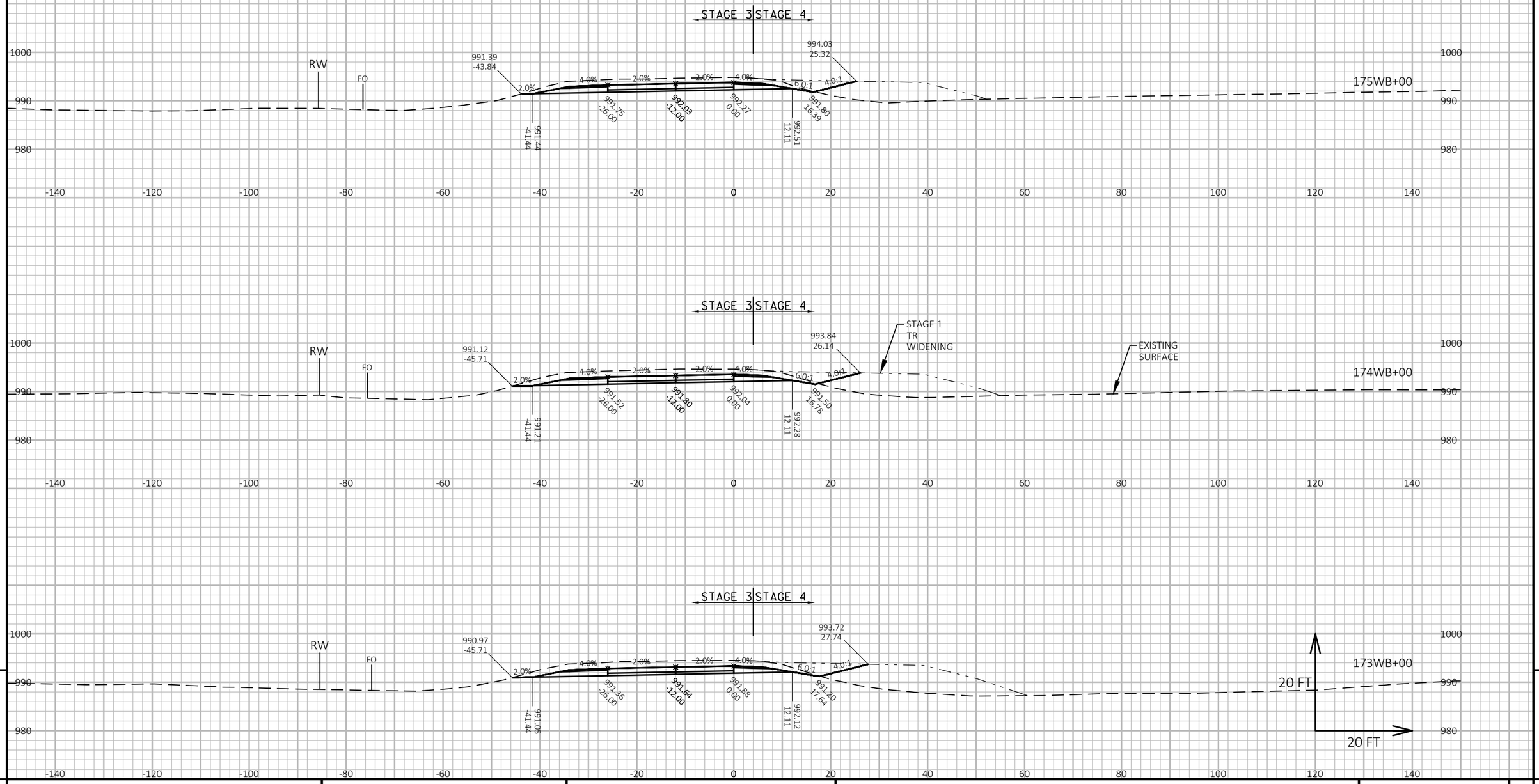

9

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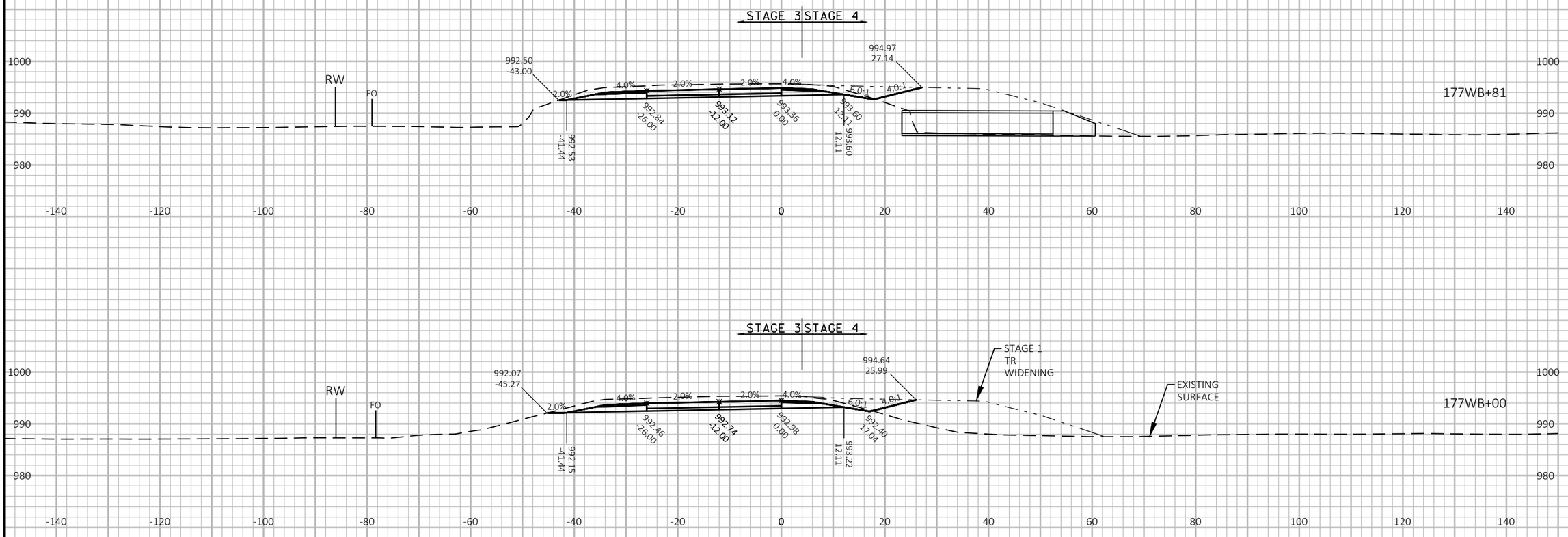
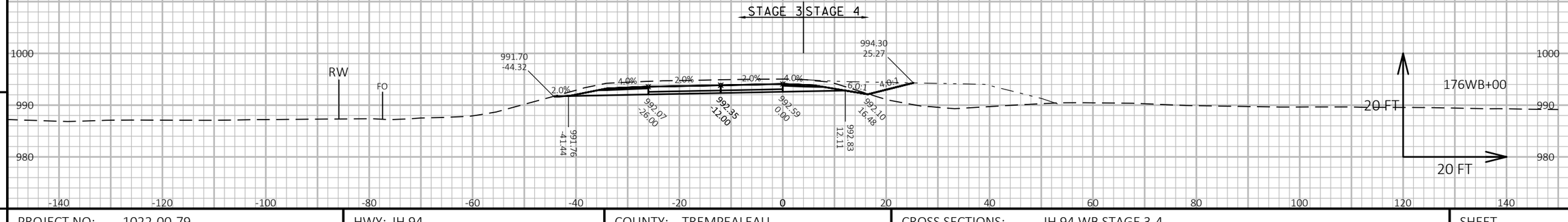
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 879	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (51)

PLOT DATE : 10/31/2021 3:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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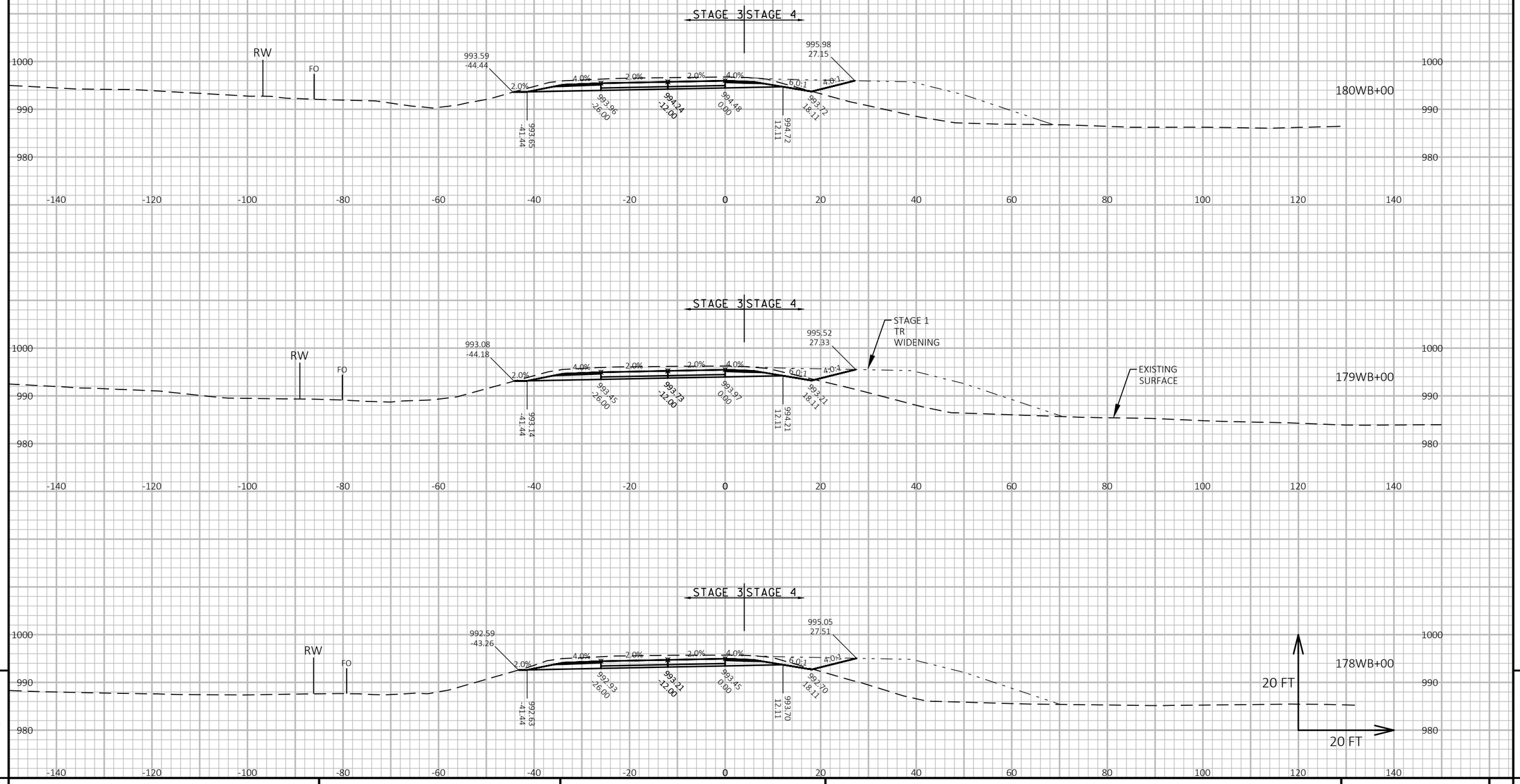
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 3-4	SHEET 880	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (52)

PLOT DATE : 10/31/2021 3:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

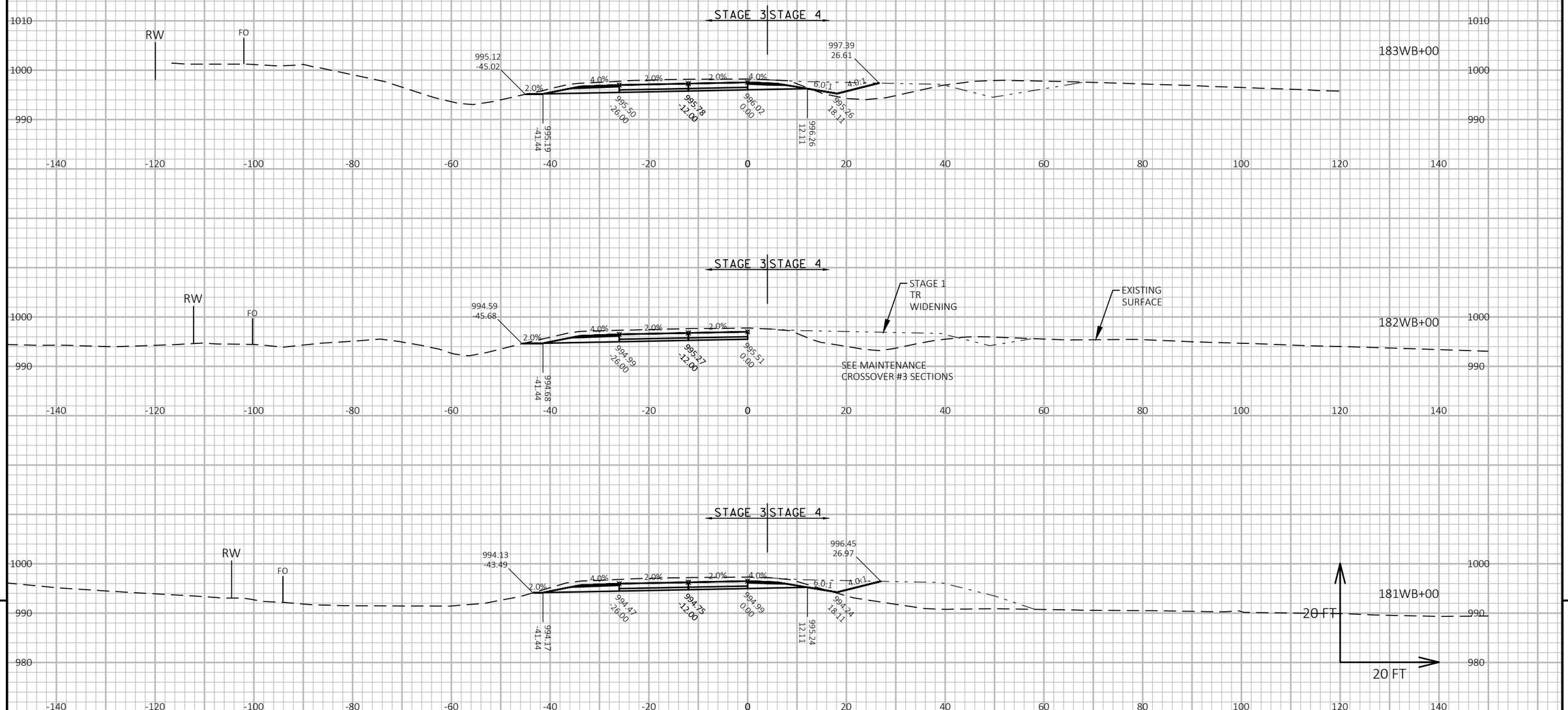


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 881	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (53)

PLOT DATE : 10/31/2021 3:32 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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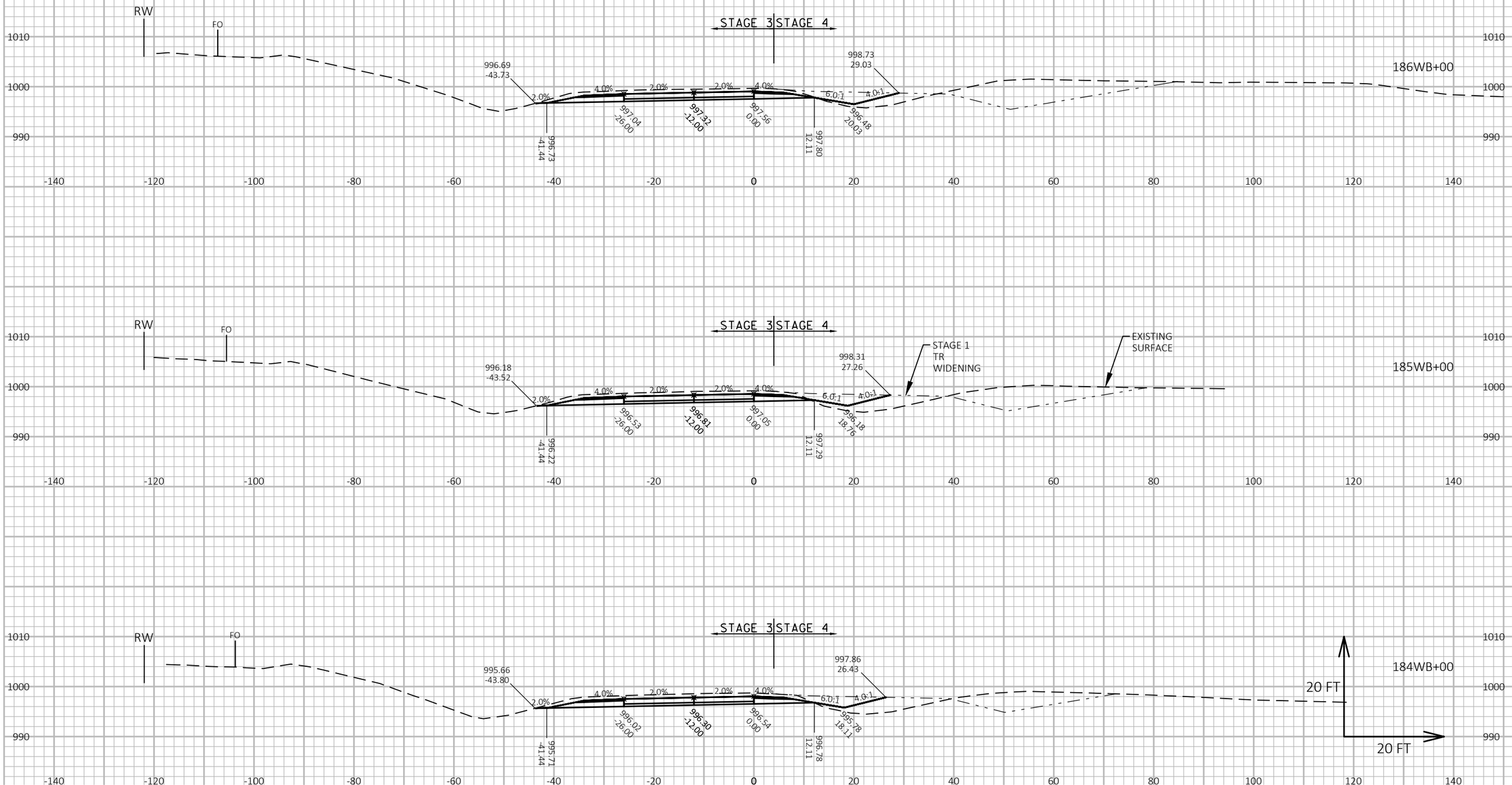
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 882	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (54)

PLOT DATE : 10/31/2021 3:33 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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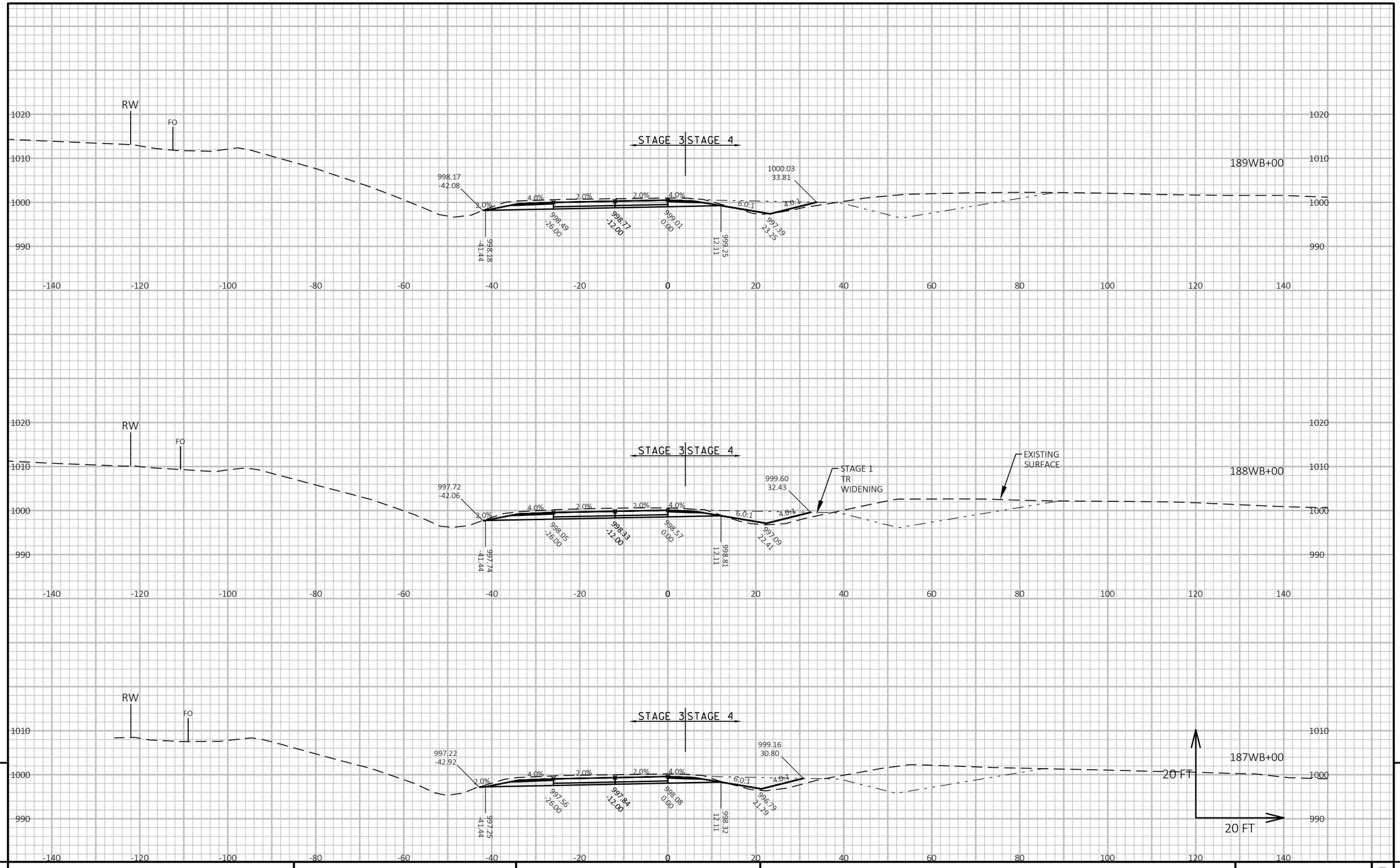
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 883	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (55)

PLOT DATE : 10/31/2021 3:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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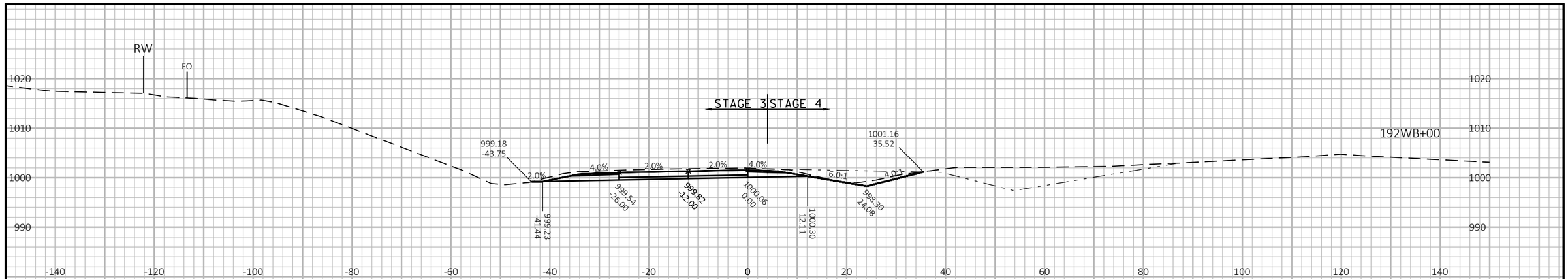
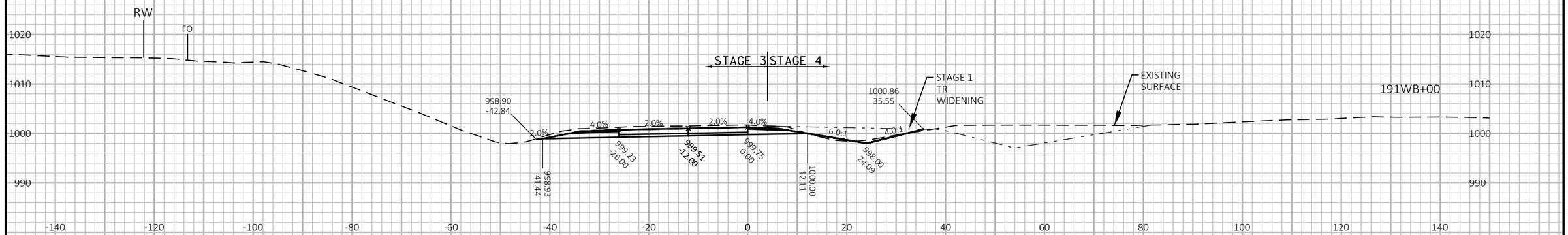
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 884	E

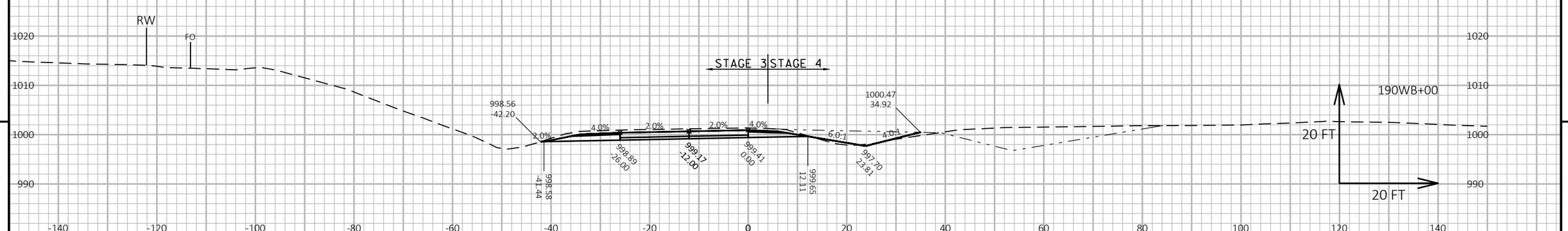
FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (S6)

PLOT DATE : 10/31/2021 3:35 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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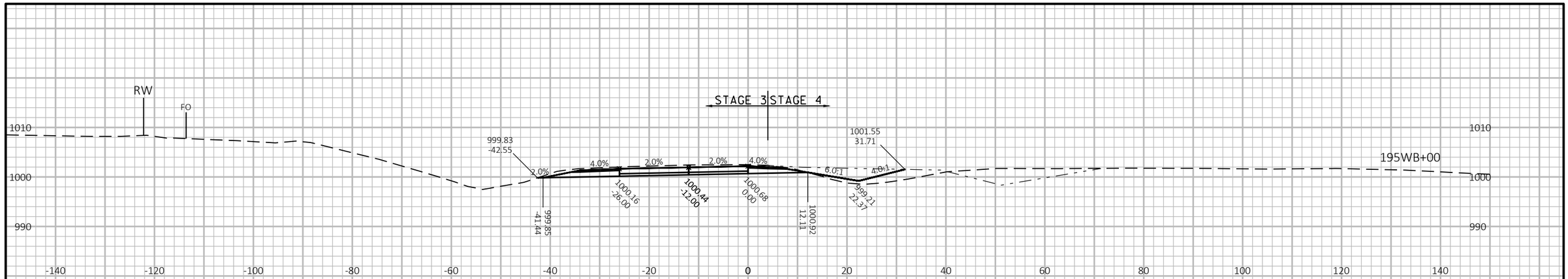
9

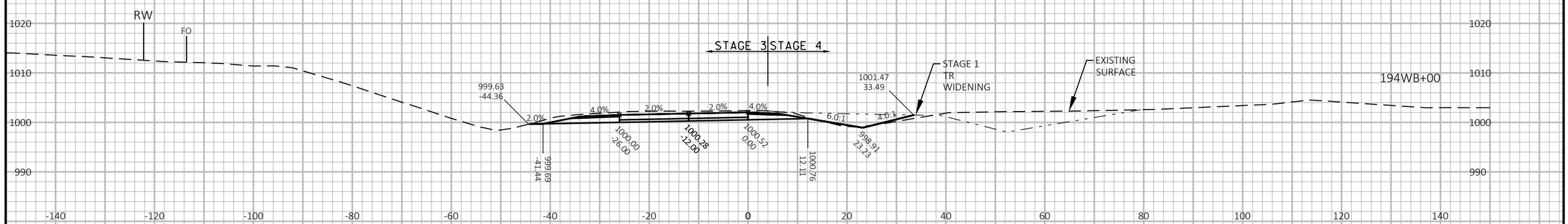
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 885	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (57)

PLOT DATE : 10/31/2021 3:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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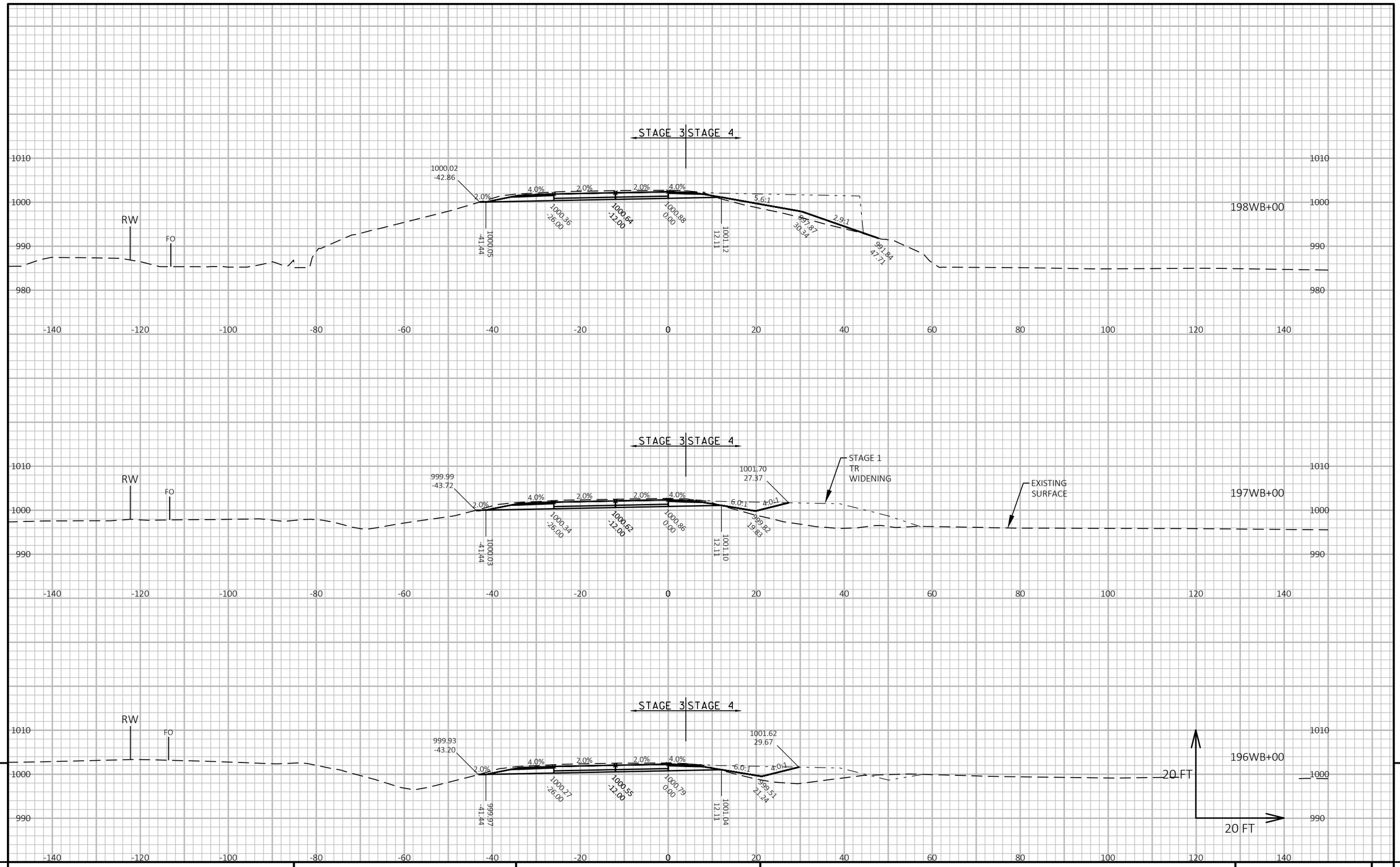
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 886	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (58)

PLOT DATE : 10/31/2021 3:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

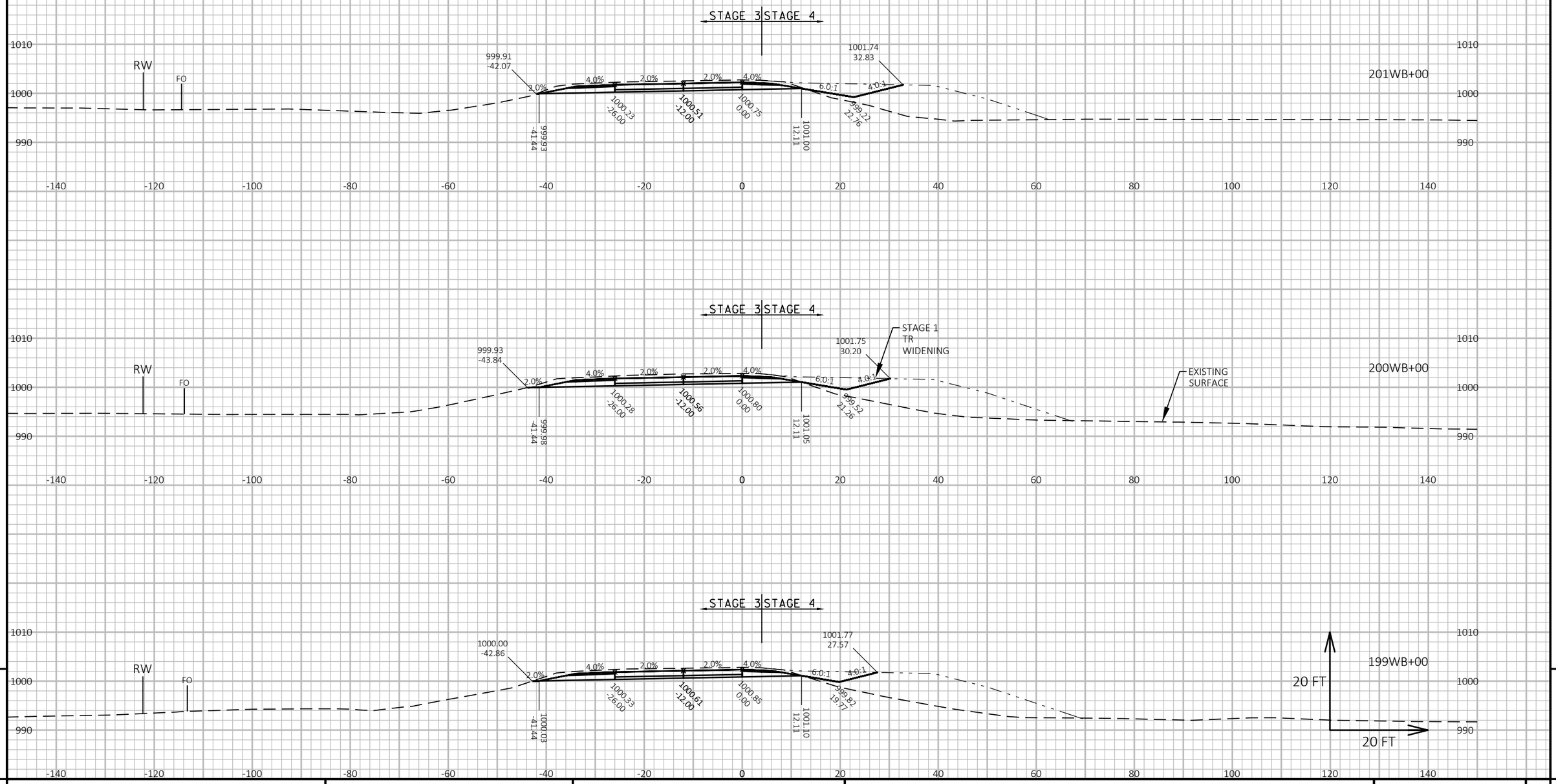


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 887	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (59)

PLOT DATE : 10/31/2021 3:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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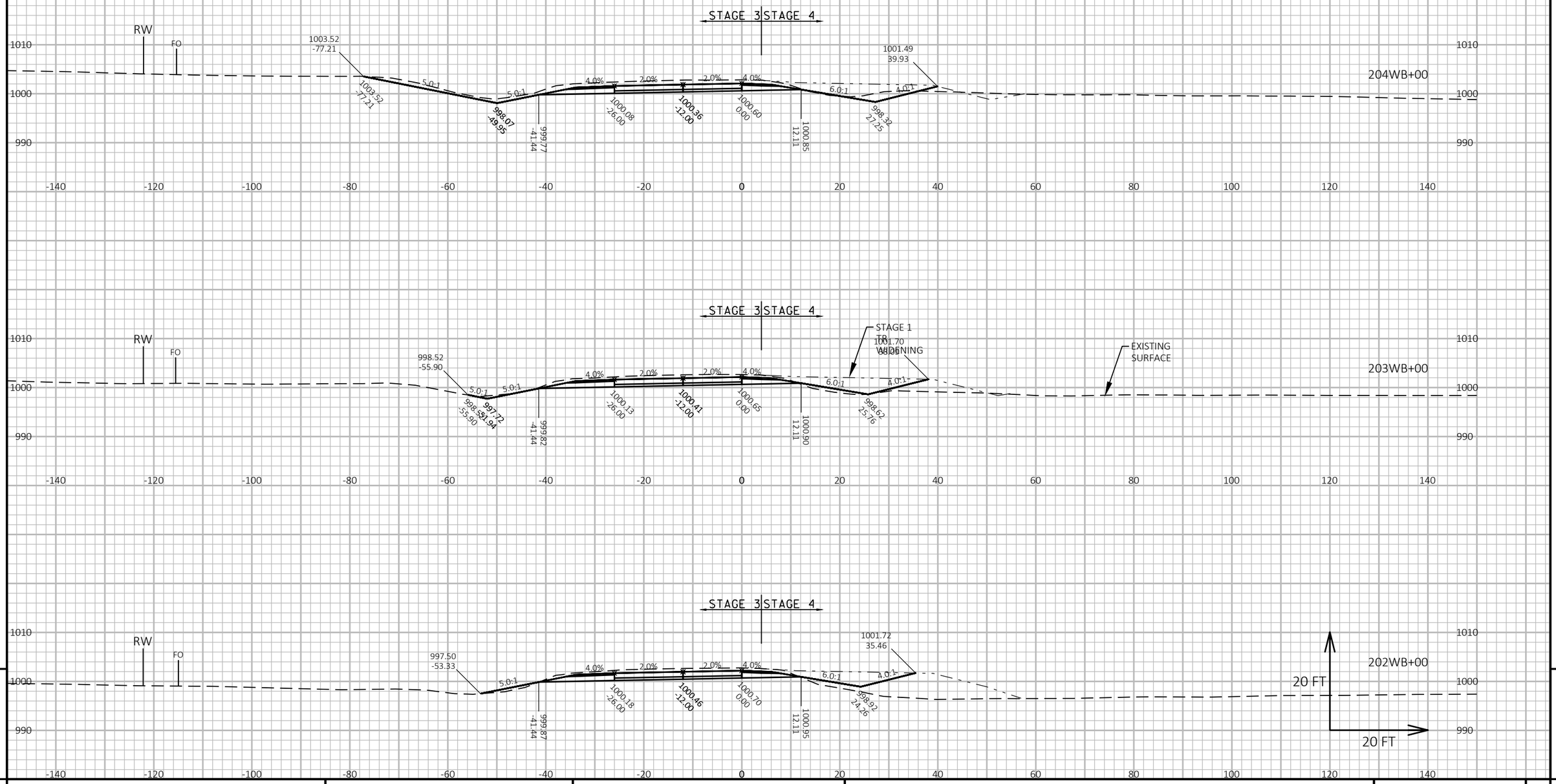
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 888	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (60)

PLOT DATE : 10/31/2021 3:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

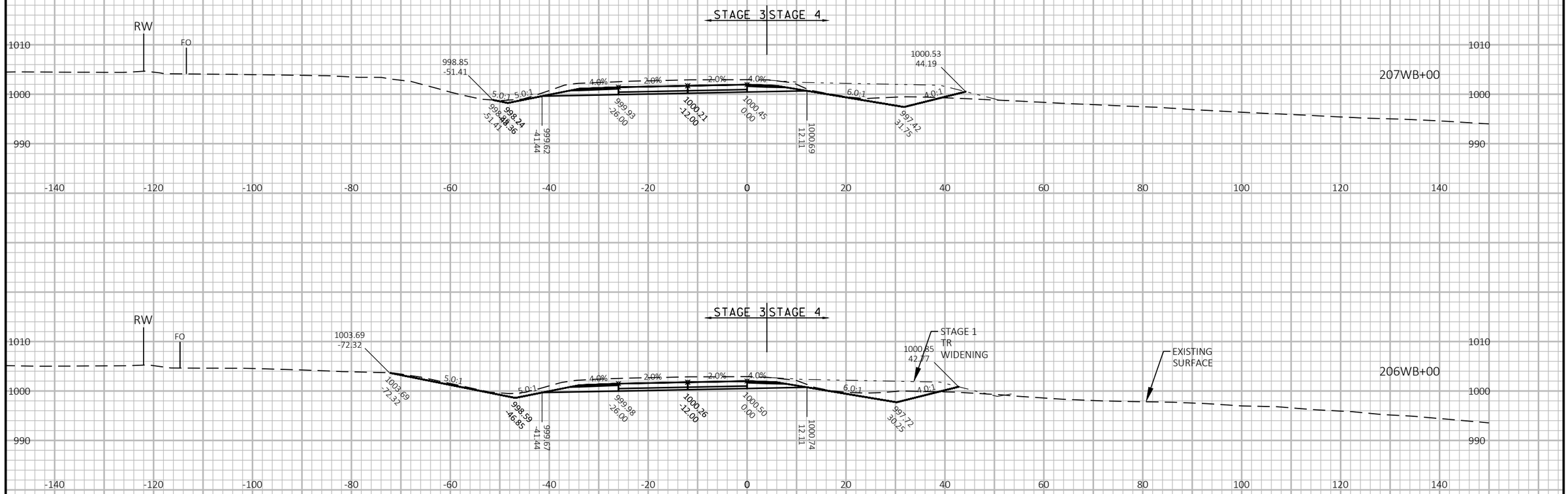


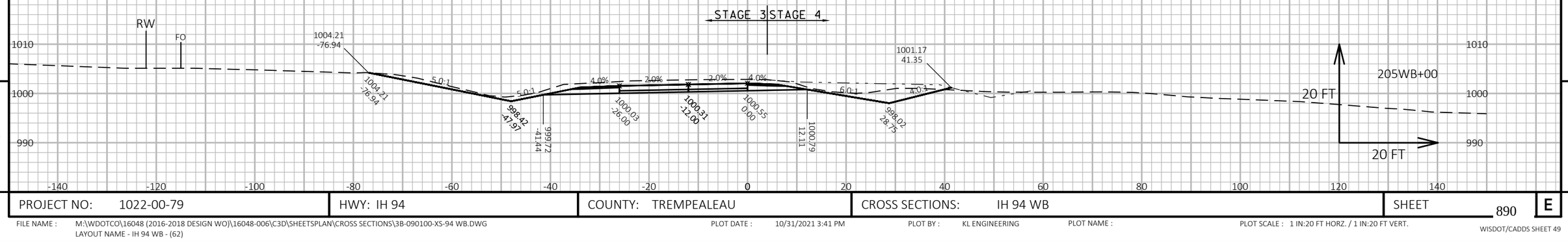
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 889	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (61)

PLOT DATE : 10/31/2021 3:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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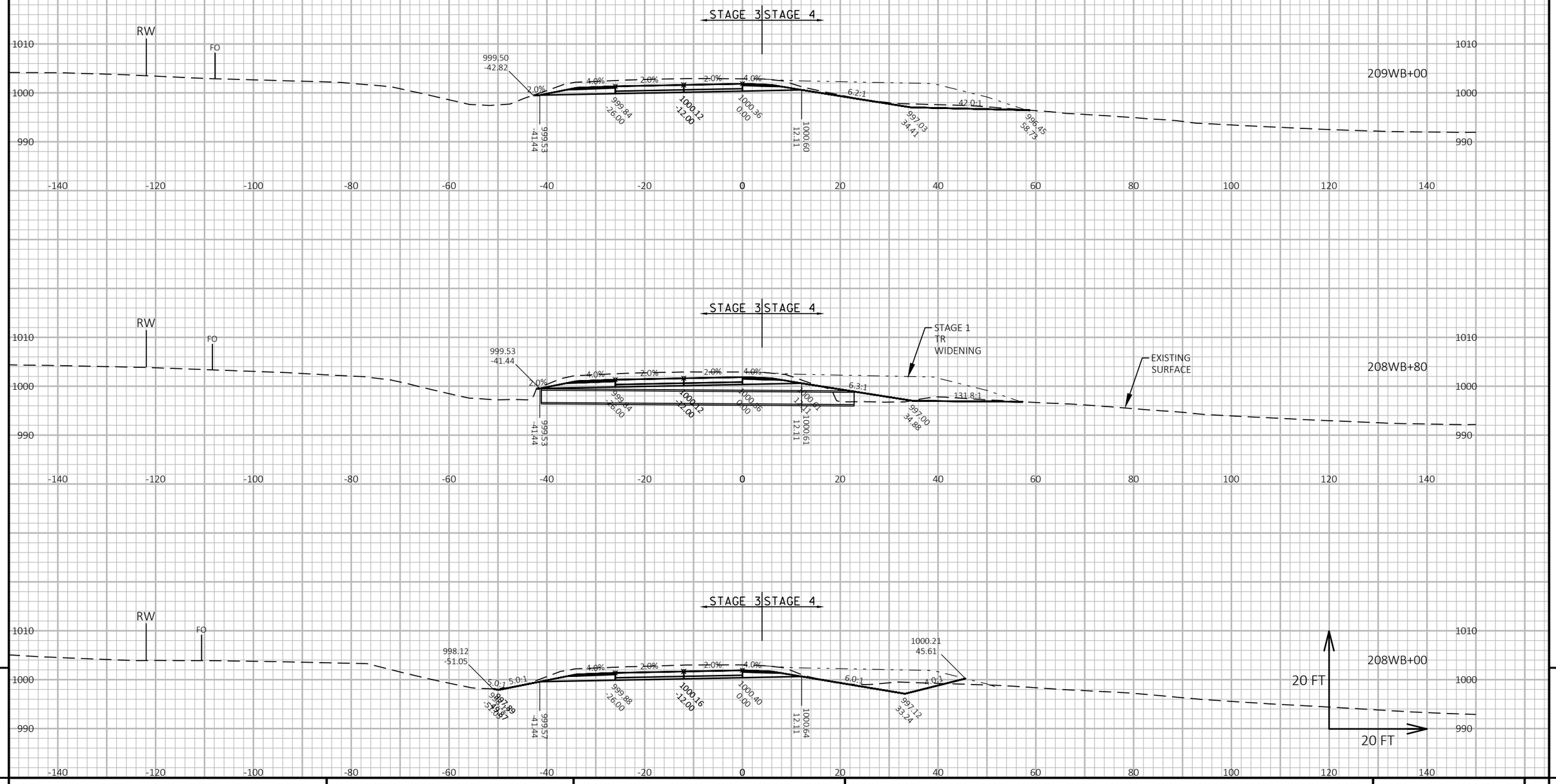
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 890	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (62)

PLOT DATE : 10/31/2021 3:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

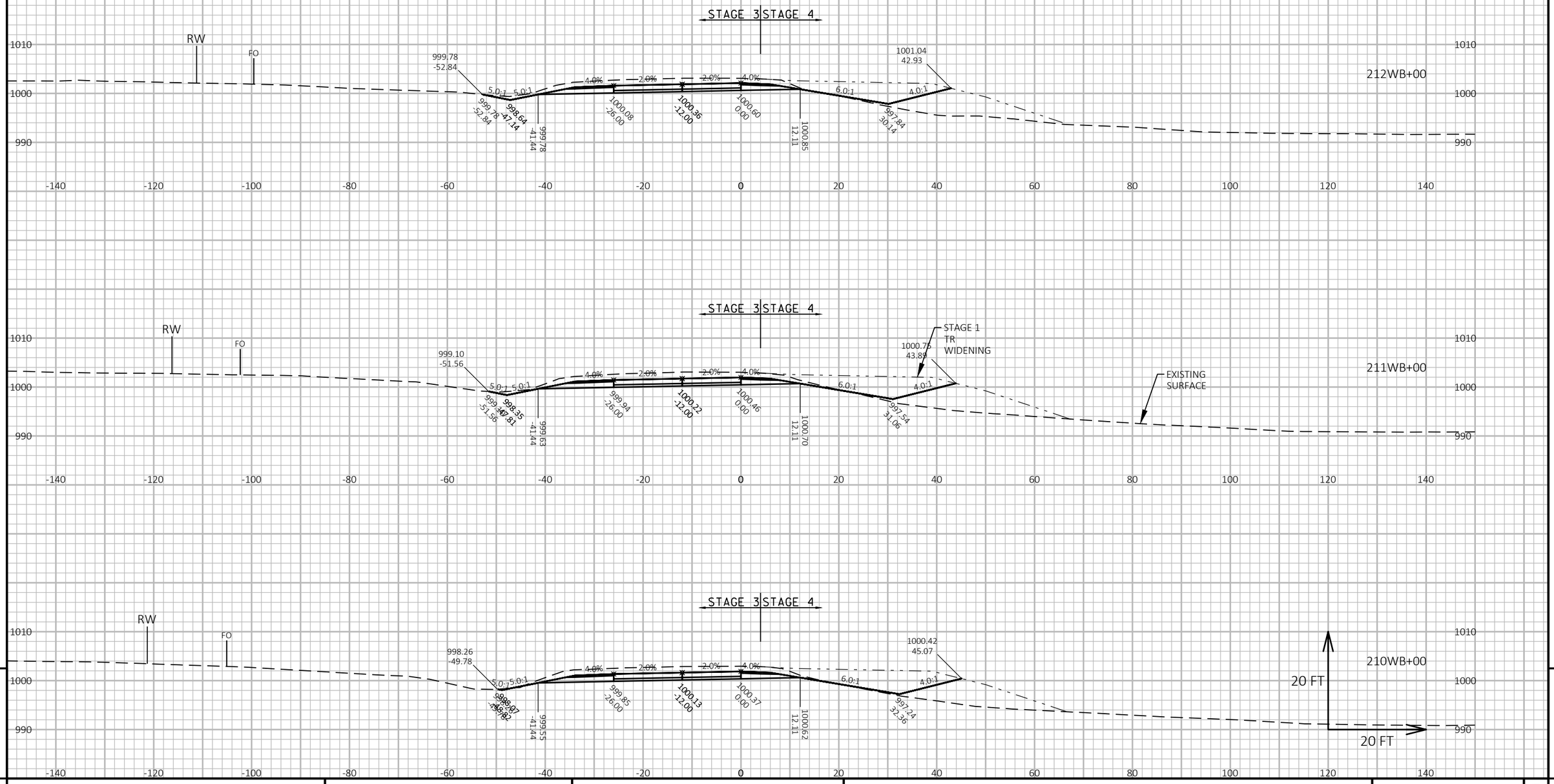
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 891	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (63)

PLOT DATE : 10/31/2021 3:42 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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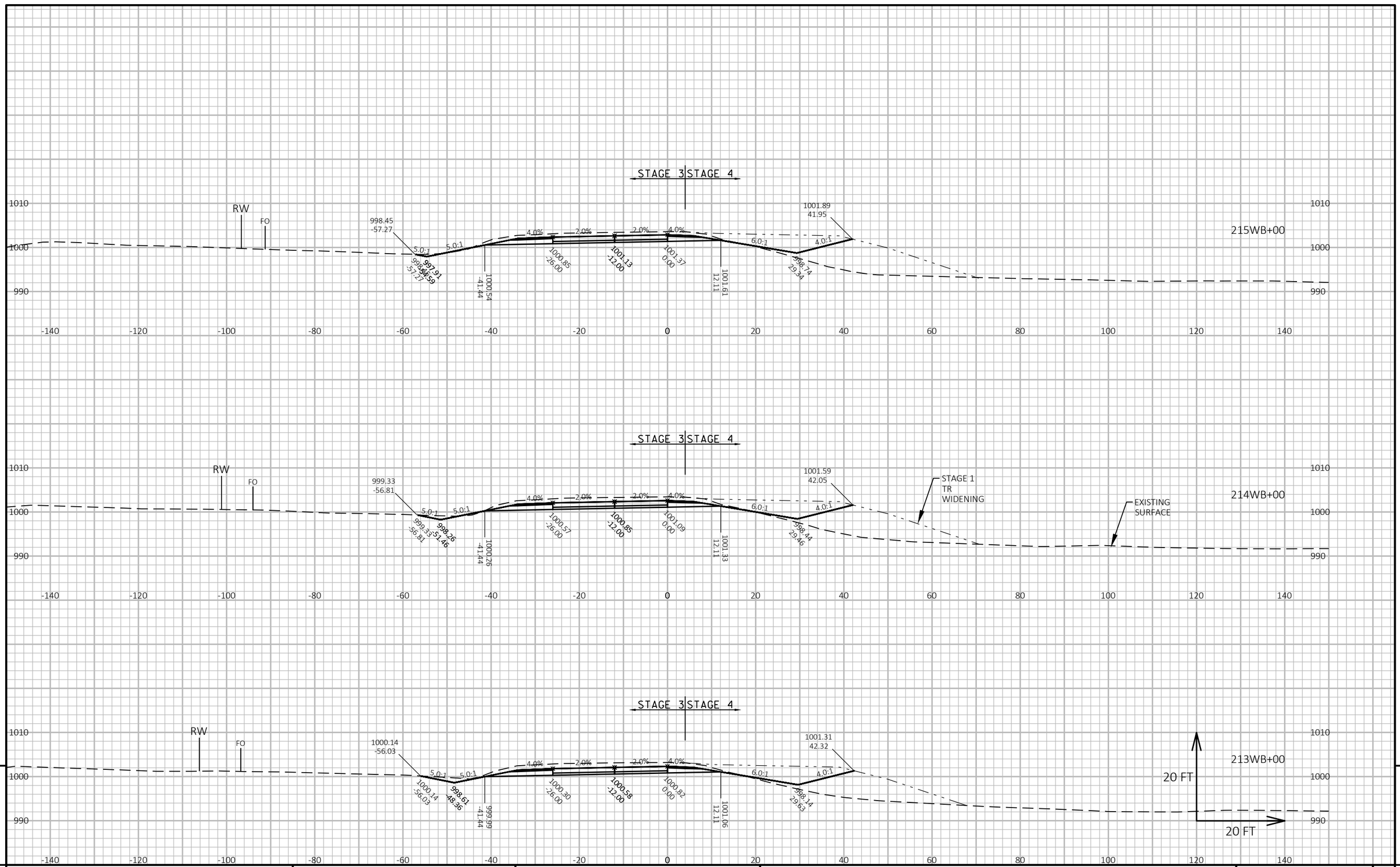
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 892	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (64)
PLOT DATE : 10/31/2021 3:43 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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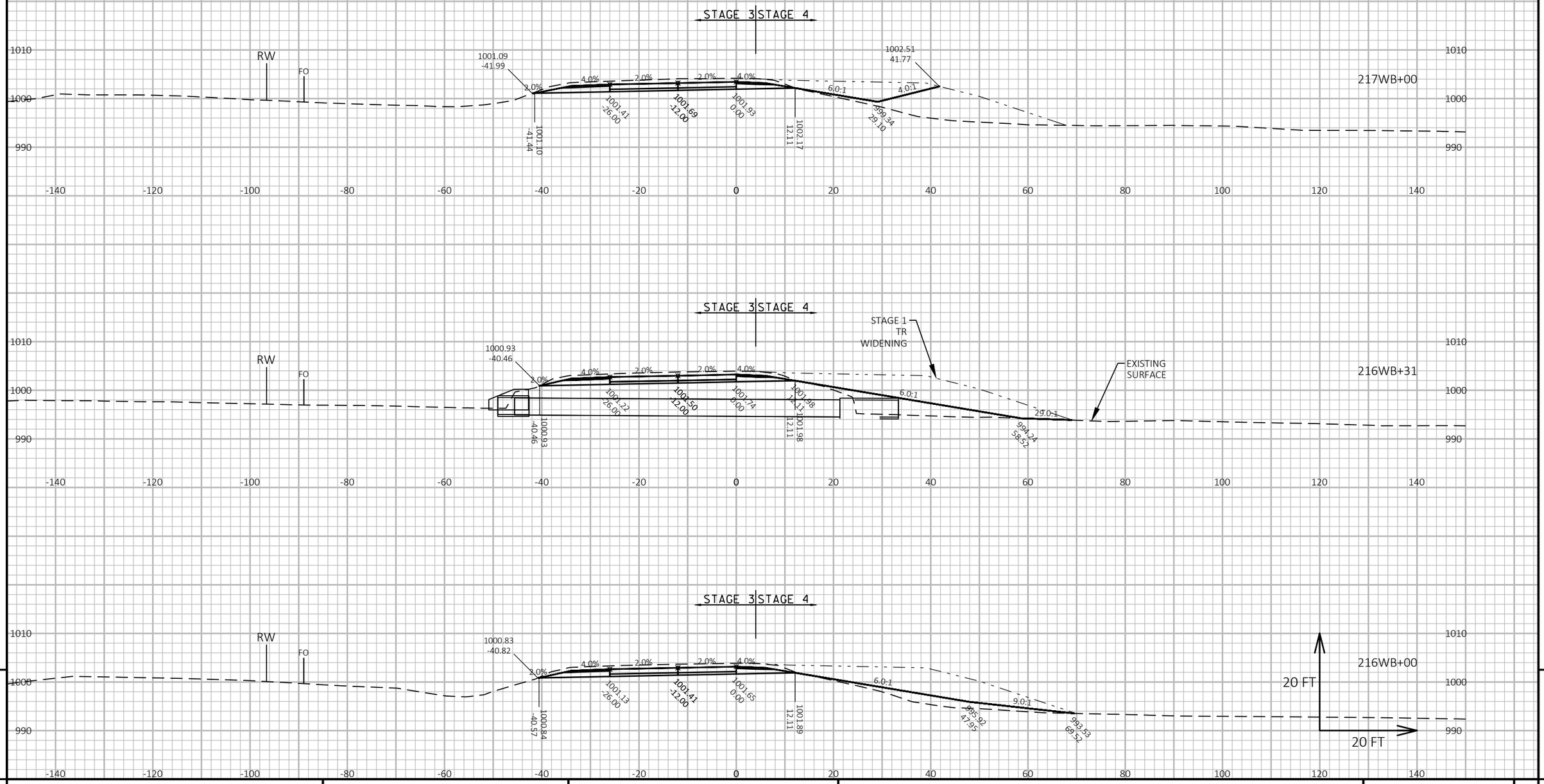
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 893	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (65)

PLOT DATE : 10/31/2021 3:44 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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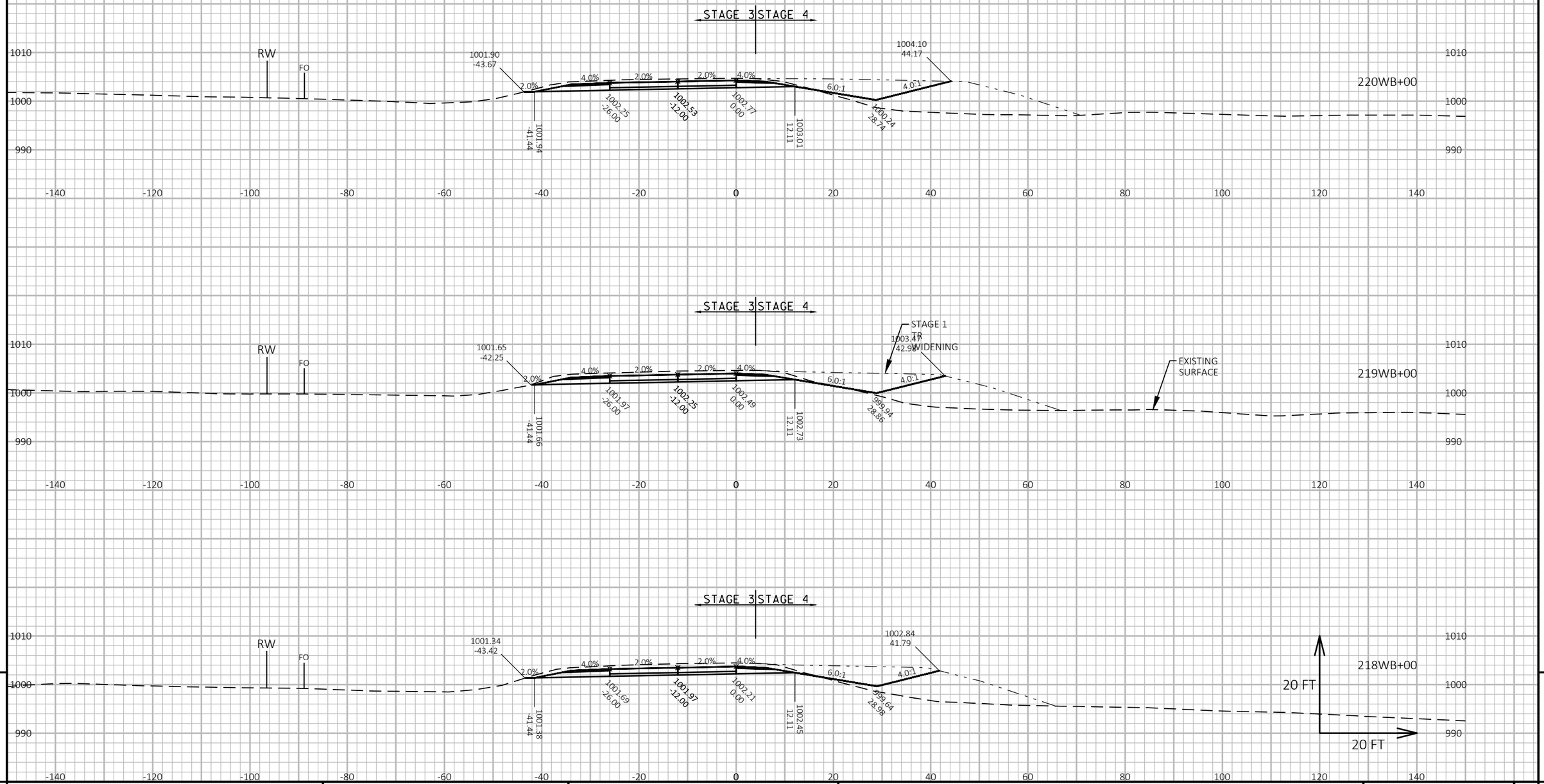
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 894	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (66)

PLOT DATE : 10/31/2021 3:45 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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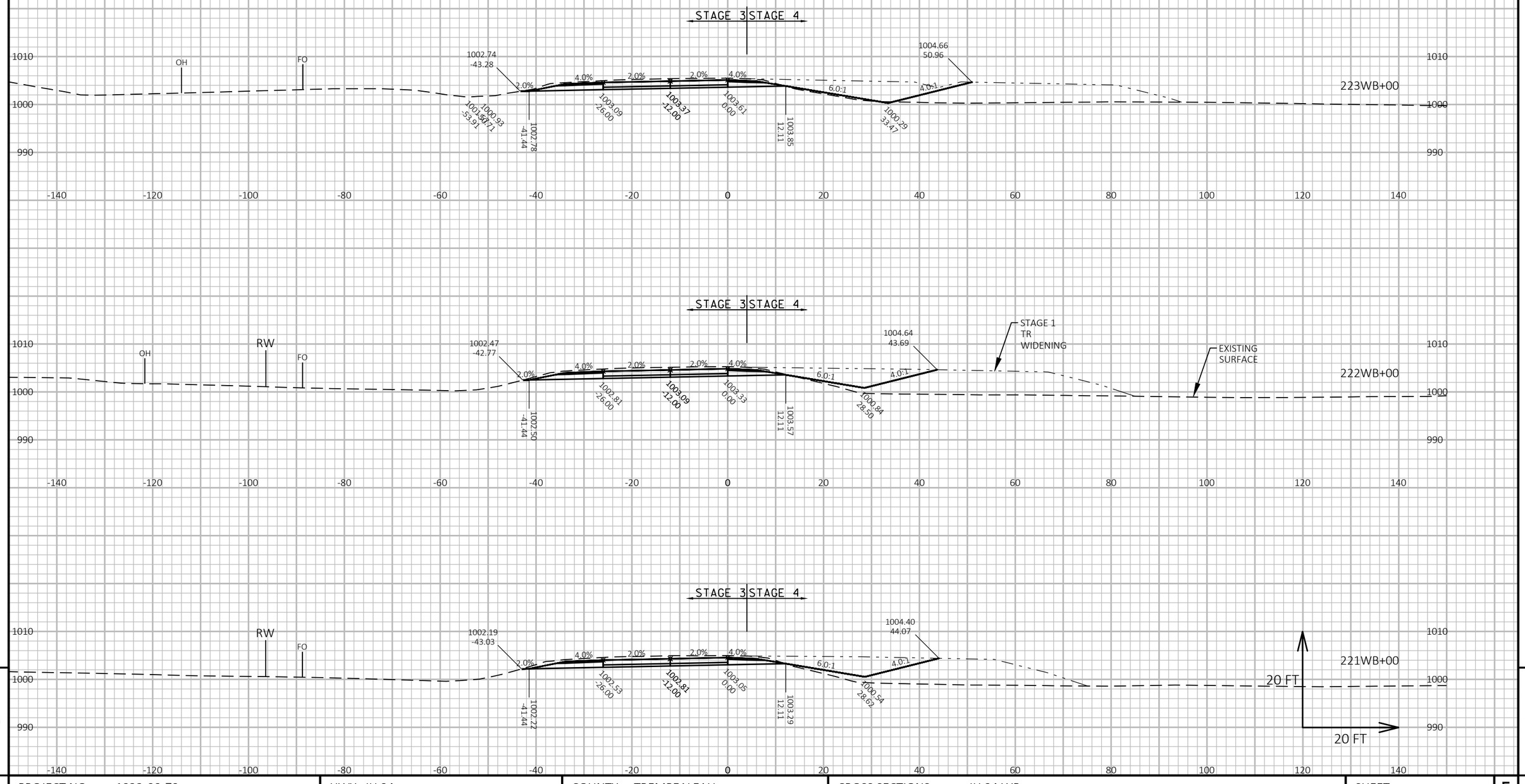
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 895	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (67)

PLOT DATE : 10/31/2021 3:46 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

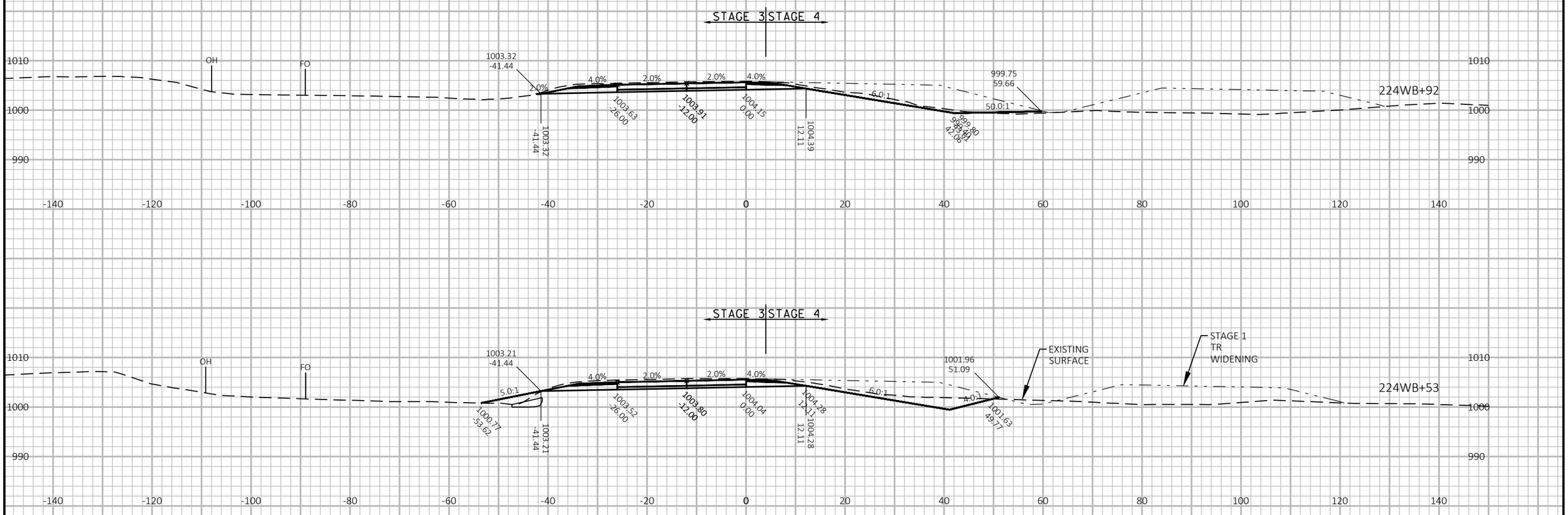


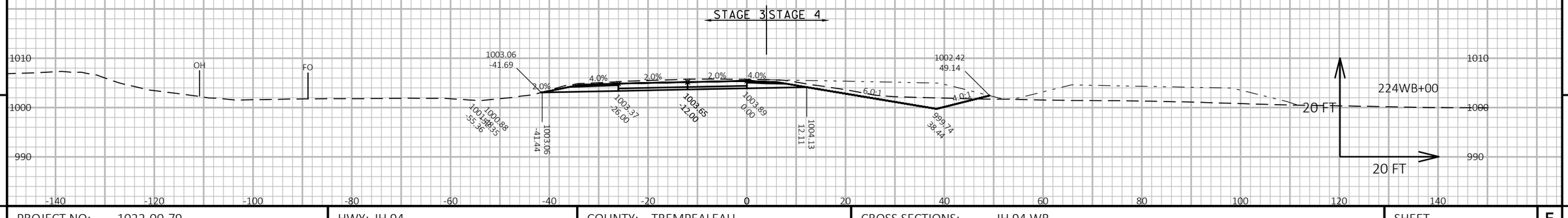
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 896	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (68)

PLOT DATE : 10/31/2021 3:47 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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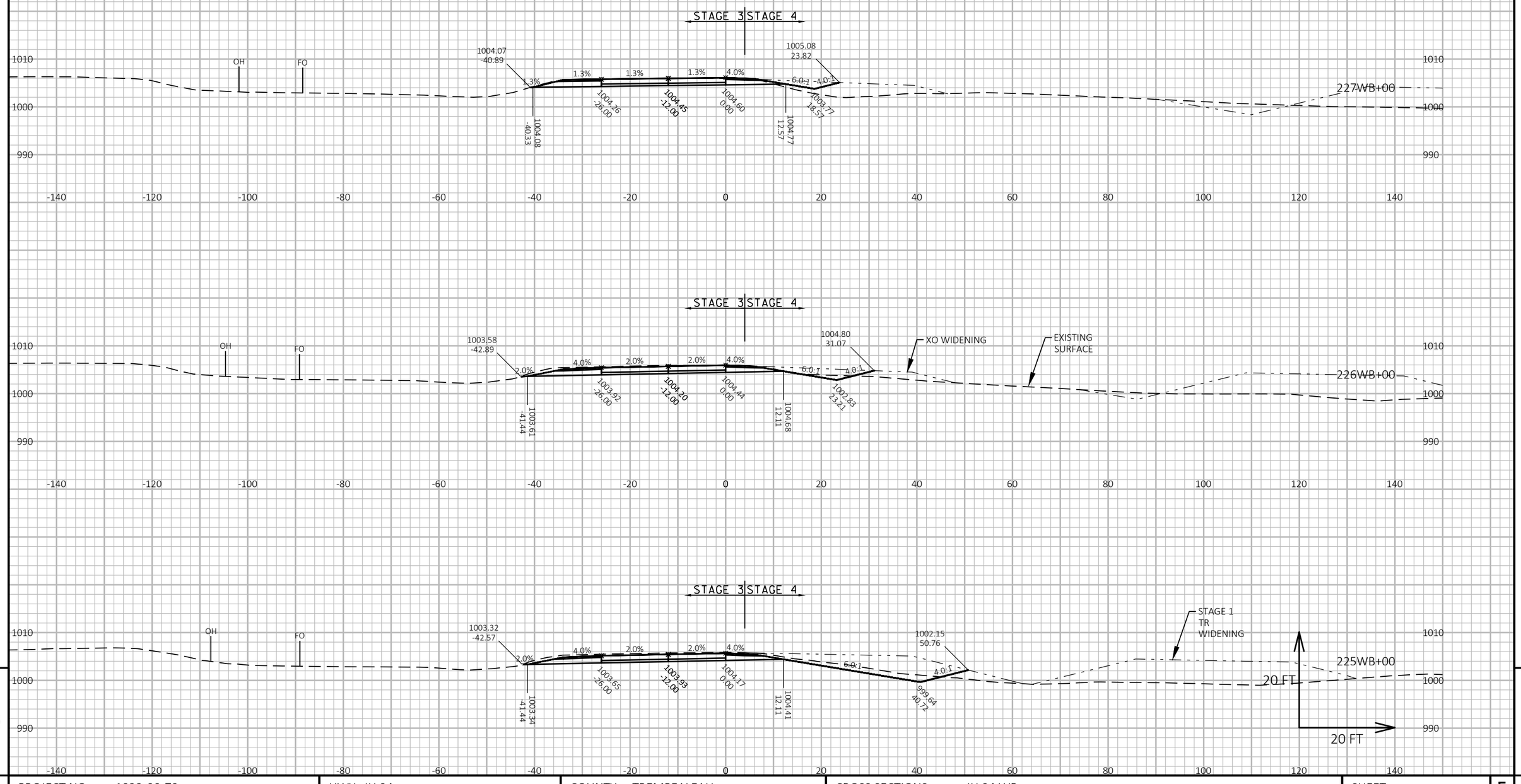
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 897	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (69)

PLOT DATE : 1/25/2022 5:14 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

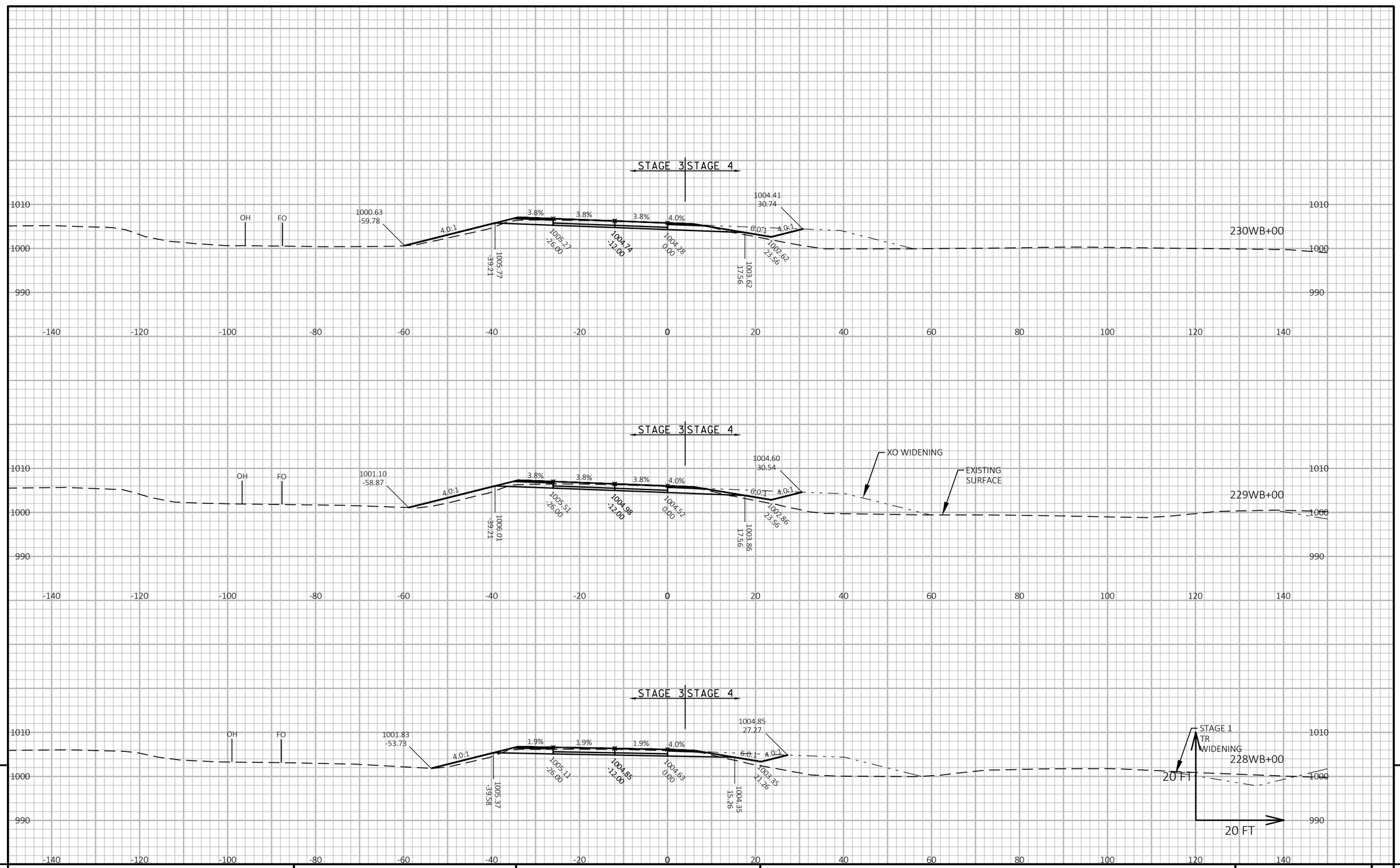


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 898	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (70)

PLOT DATE : 10/31/2021 3:49 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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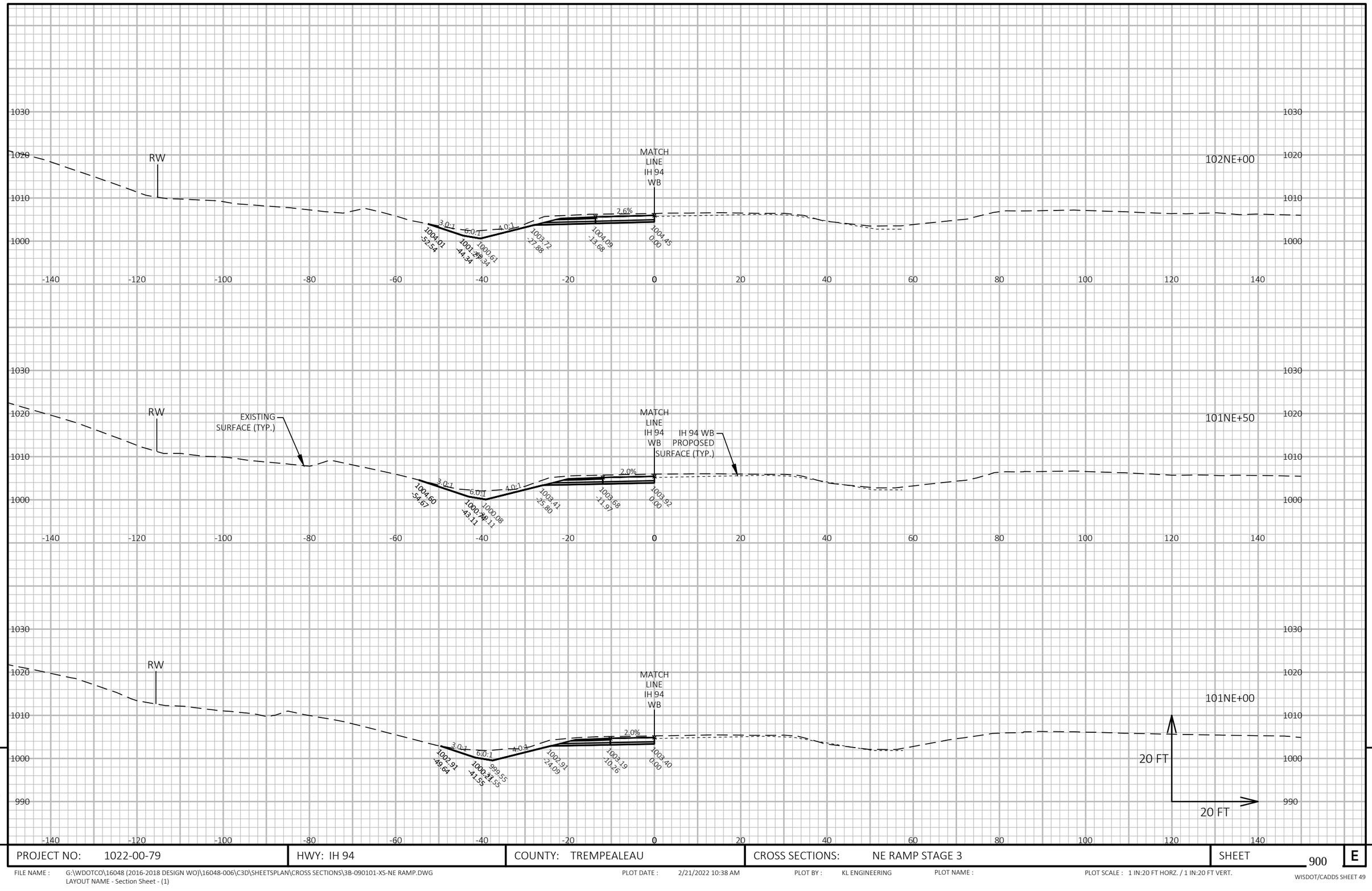
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB	SHEET 899	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090100-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (71)

PLOT DATE : 10/31/2021 3:50 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

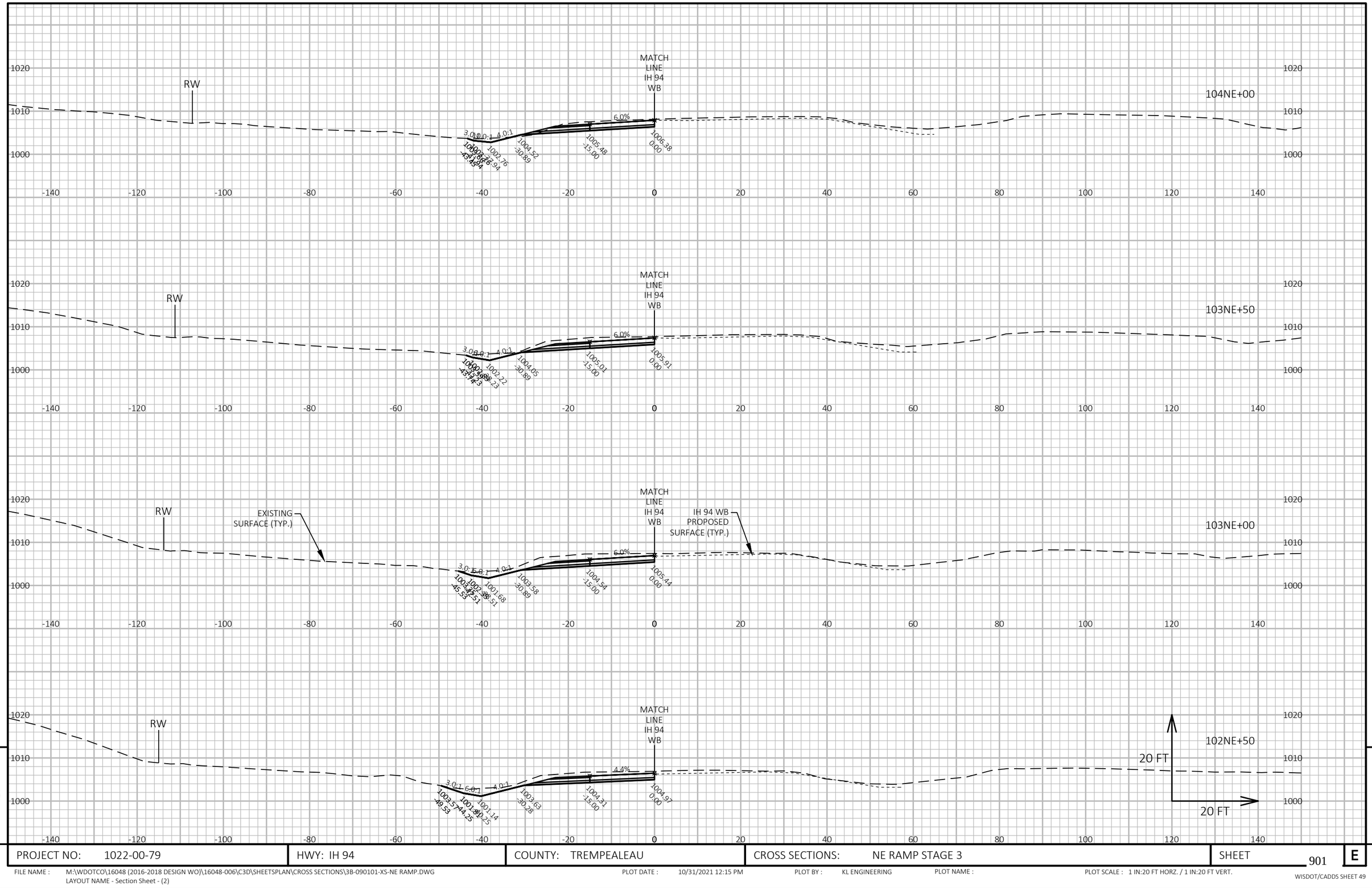
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: NE RAMP STAGE 3	SHEET 900 E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090101-XS-NE RAMP.DWG
LAYOUT NAME - Section Sheet - (1)

PLOT DATE : 2/21/2022 10:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: NE RAMP STAGE 3	SHEET 901	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090101-XS-NE RAMP.DWG
LAYOUT NAME - Section Sheet - (2)

PLOT DATE : 10/31/2021 12:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

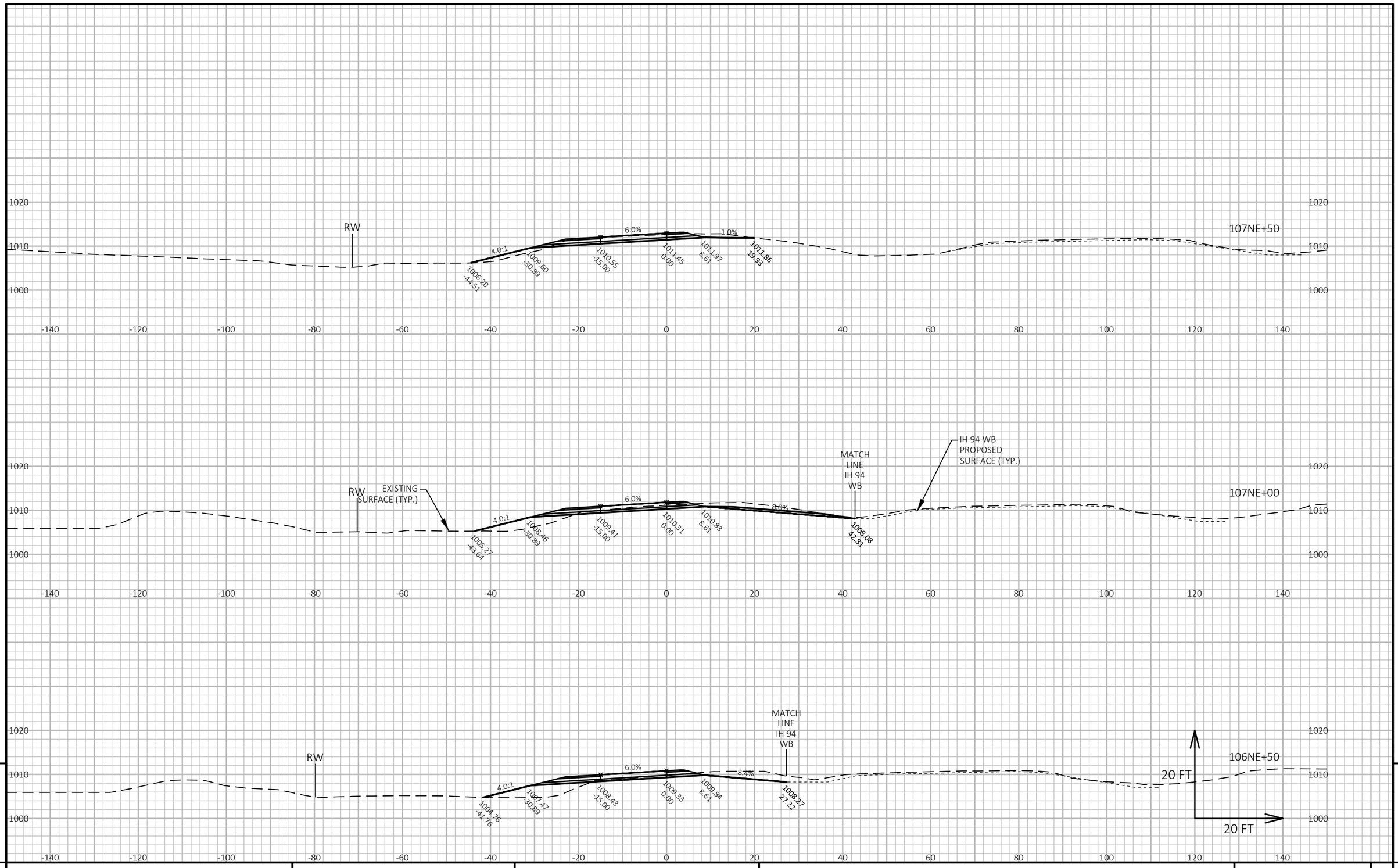
WISDOT/CADDS SHEET 49

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: NE RAMP STAGE 3	SHEET 902	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090101-XS-NE RAMP.DWG
LAYOUT NAME - Section Sheet - (3)

PLOT DATE : 10/31/2021 12:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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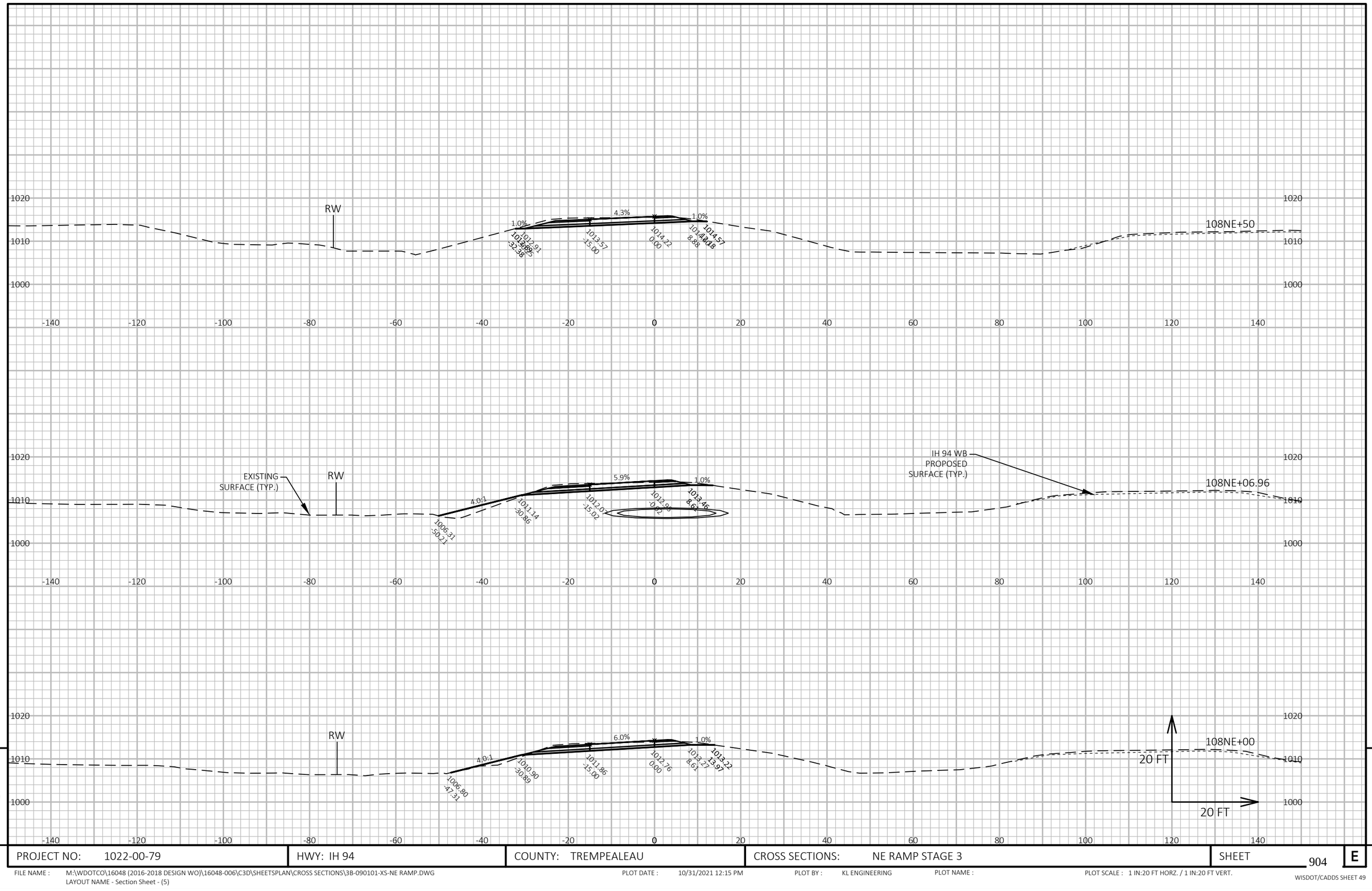
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: NE RAMP STAGE 3	SHEET 903	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090101-XS-NE RAMP.DWG
LAYOUT NAME - Section Sheet - (4)

PLOT DATE : 10/31/2021 12:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: NE RAMP STAGE 3	SHEET 904	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090101-XS-NE RAMP.DWG
LAYOUT NAME - Section Sheet - (5)

PLOT DATE : 10/31/2021 12:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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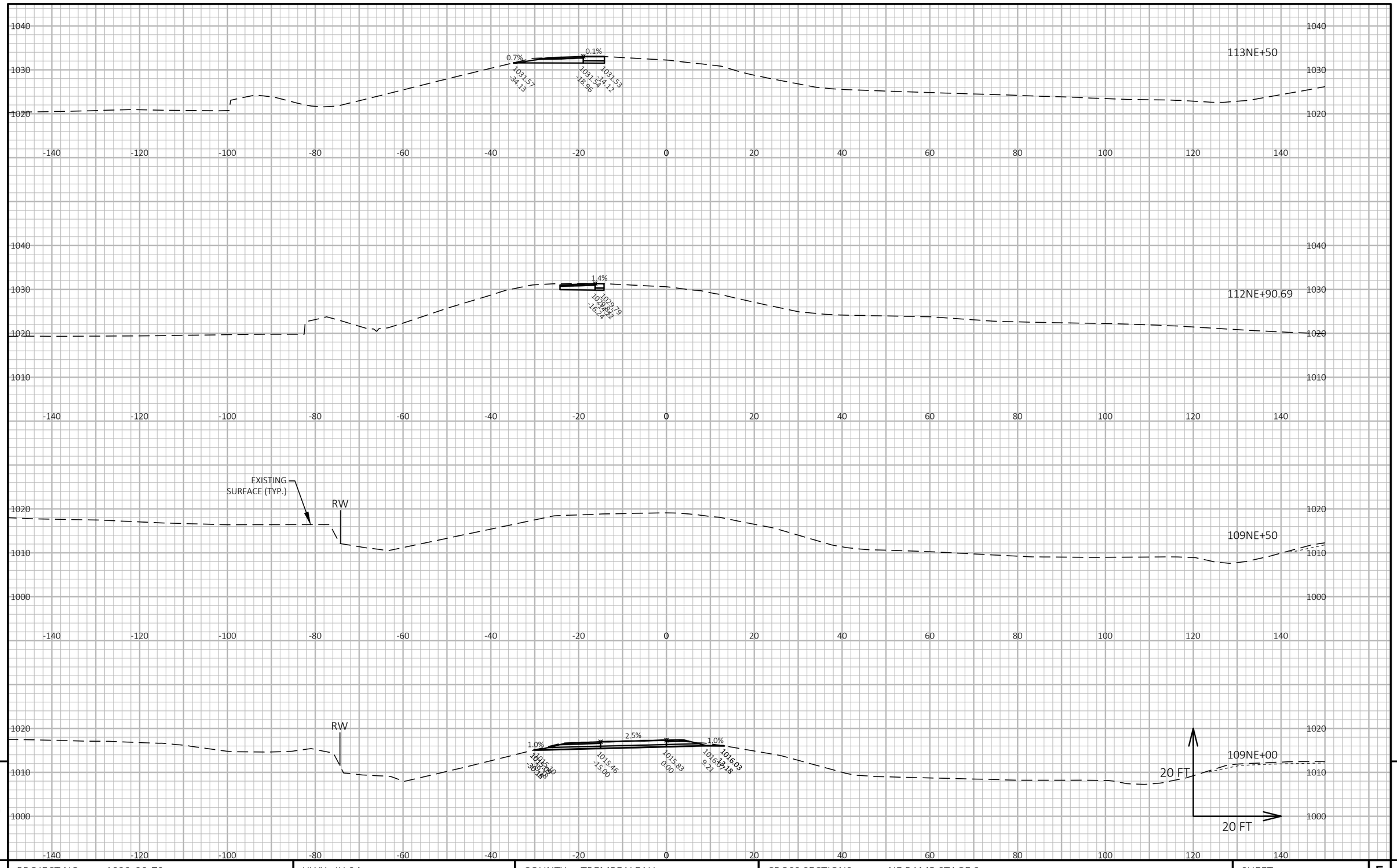

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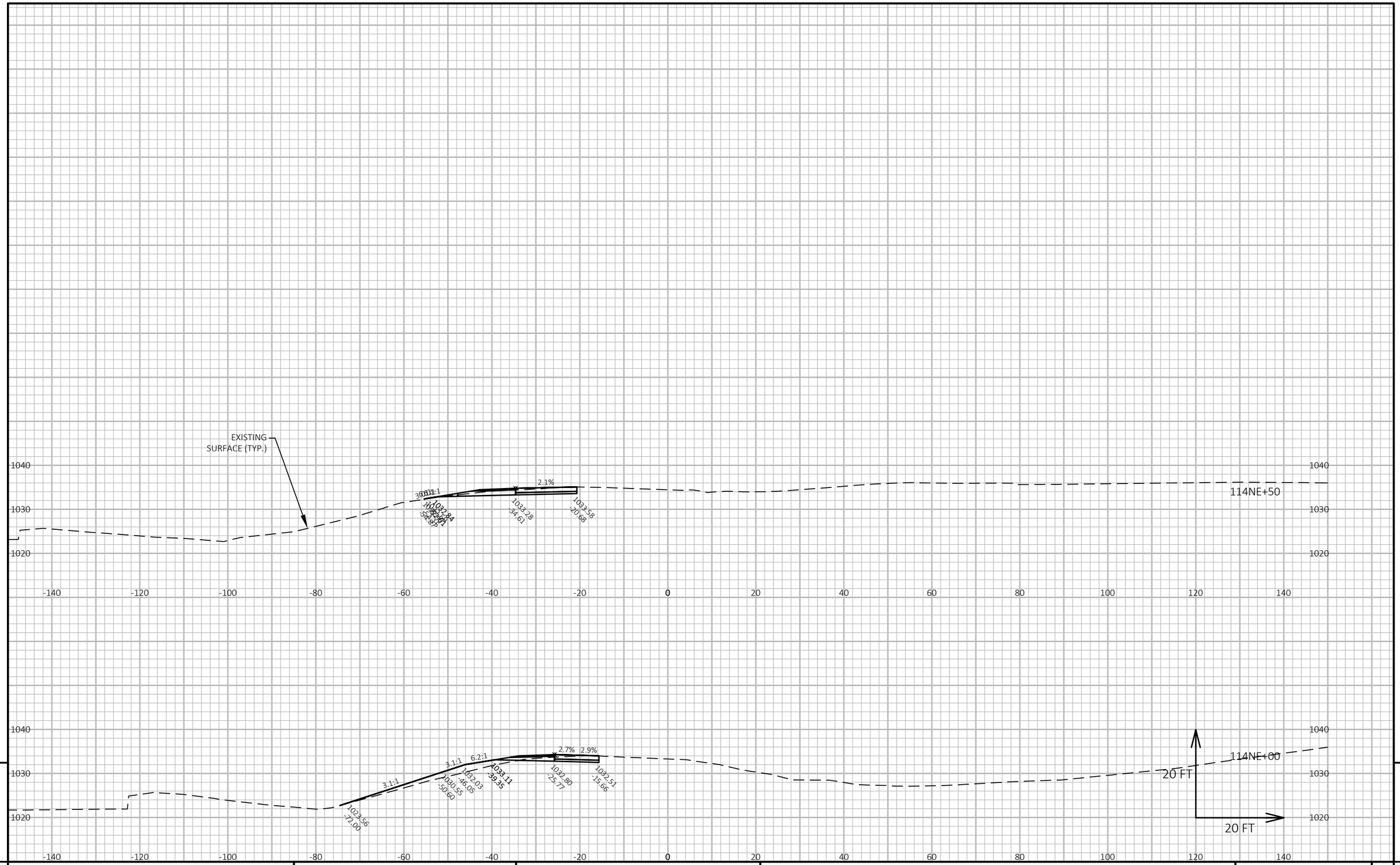
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: NE RAMP STAGE 3	SHEET 905	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090101-XS-NE RAMP.DWG
LAYOUT NAME - Section Sheet - (6)

PLOT DATE : 10/31/2021 12:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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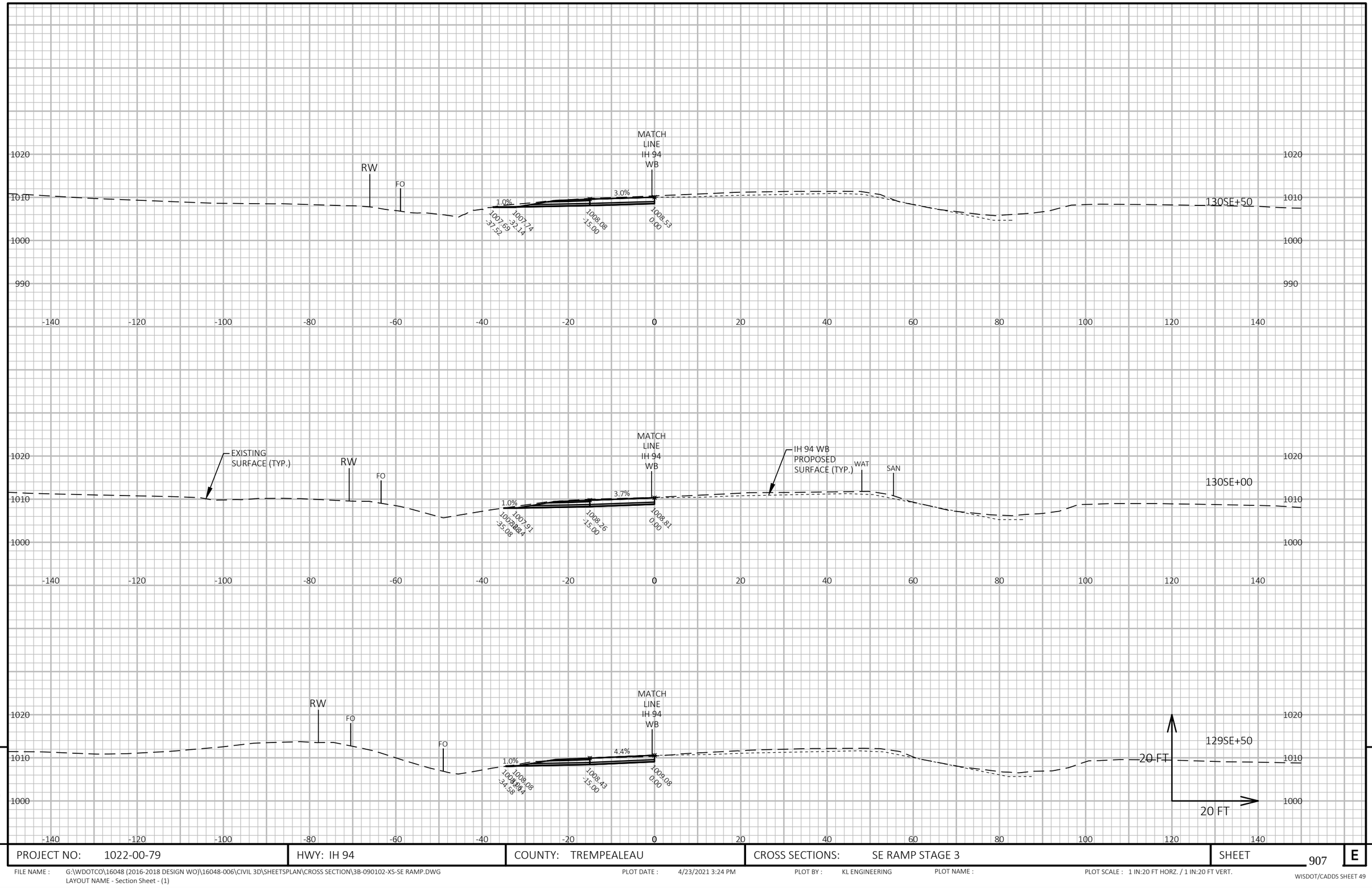
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: NE RAMP STAGE 3	SHEET 906	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090101-XS-NE RAMP.DWG
LAYOUT NAME - Section Sheet - (7)

PLOT DATE : 10/31/2021 12:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

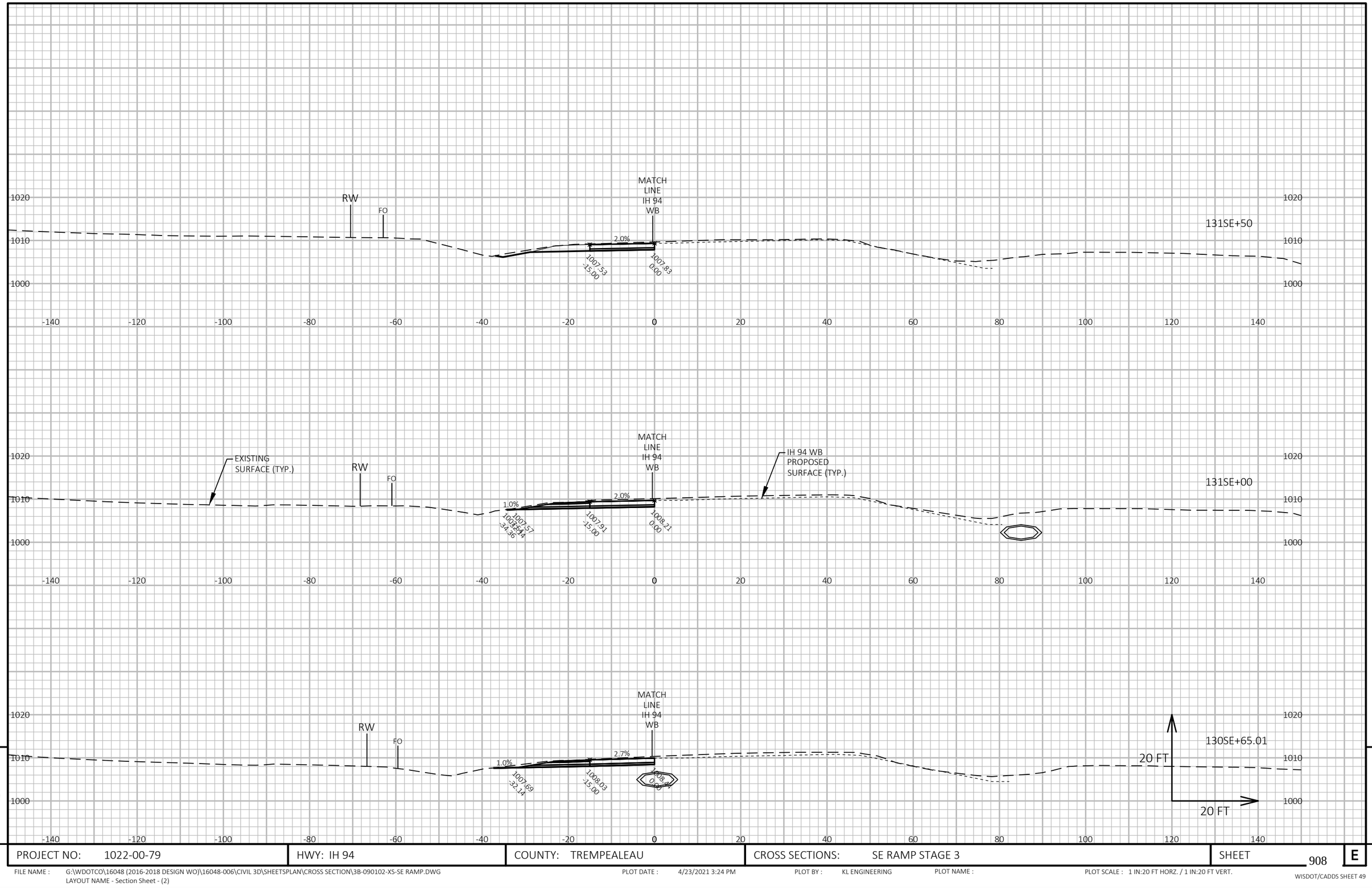


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: SE RAMP STAGE 3	SHEET 907	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3B-090102-XS-SE RAMP.DWG
LAYOUT NAME - Section Sheet - (1)

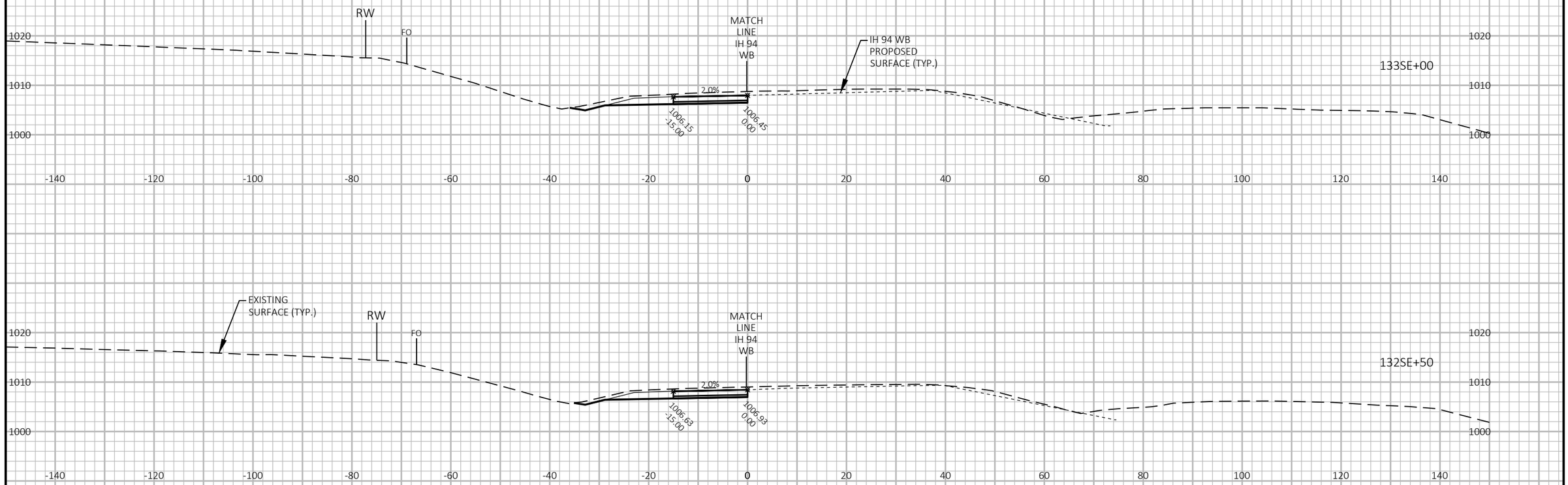
PLOT DATE : 4/23/2021 3:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

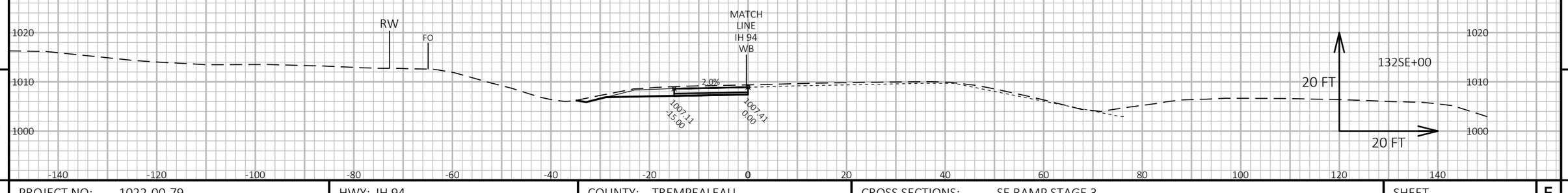
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: SE RAMP STAGE 3	SHEET 908	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3B-090102-XS-SE RAMP.DWG
LAYOUT NAME - Section Sheet - (2)
PLOT DATE : 4/23/2021 3:24 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49





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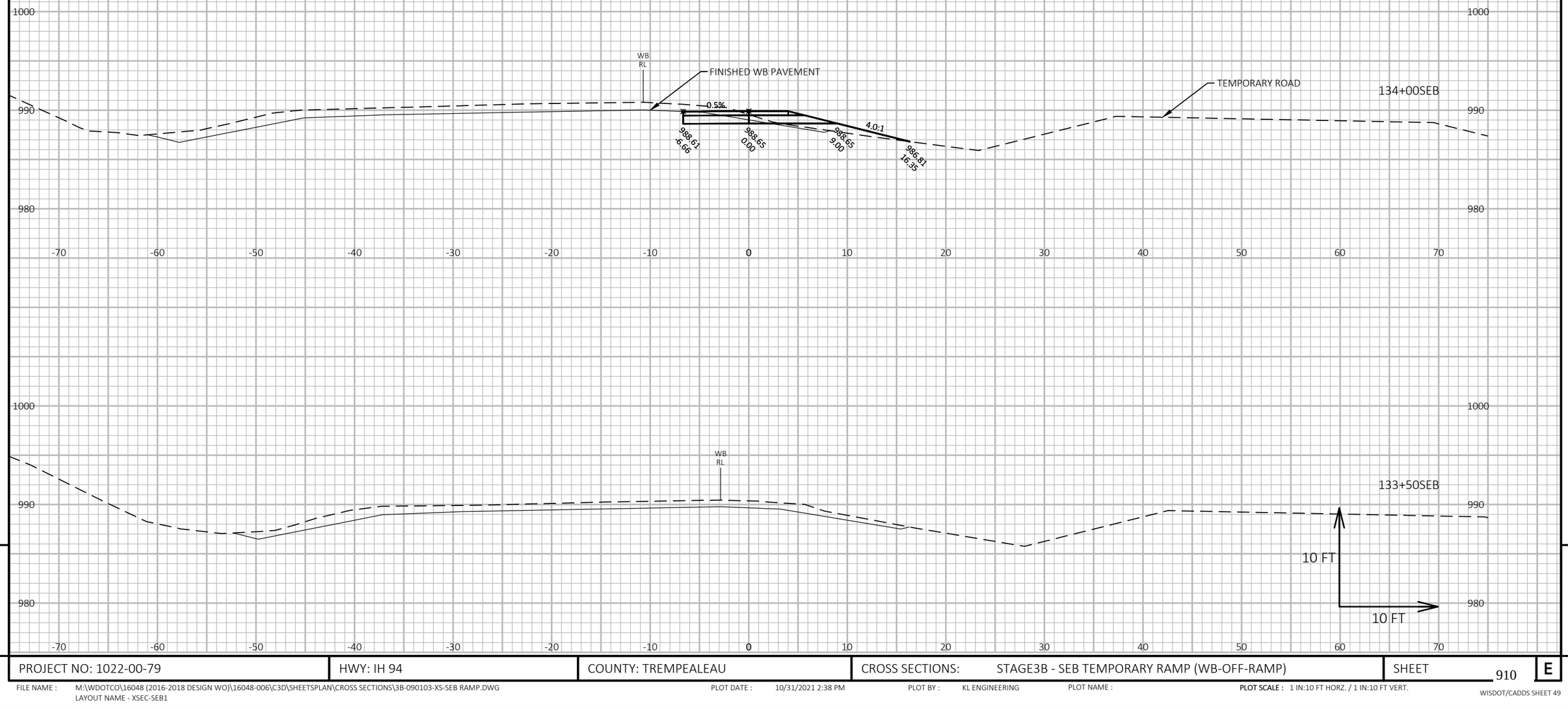
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: SE RAMP STAGE 3	SHEET 909	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3B-090102-XS-SE RAMP.DWG
LAYOUT NAME - Section Sheet - (3)

PLOT DATE : 4/23/2021 3:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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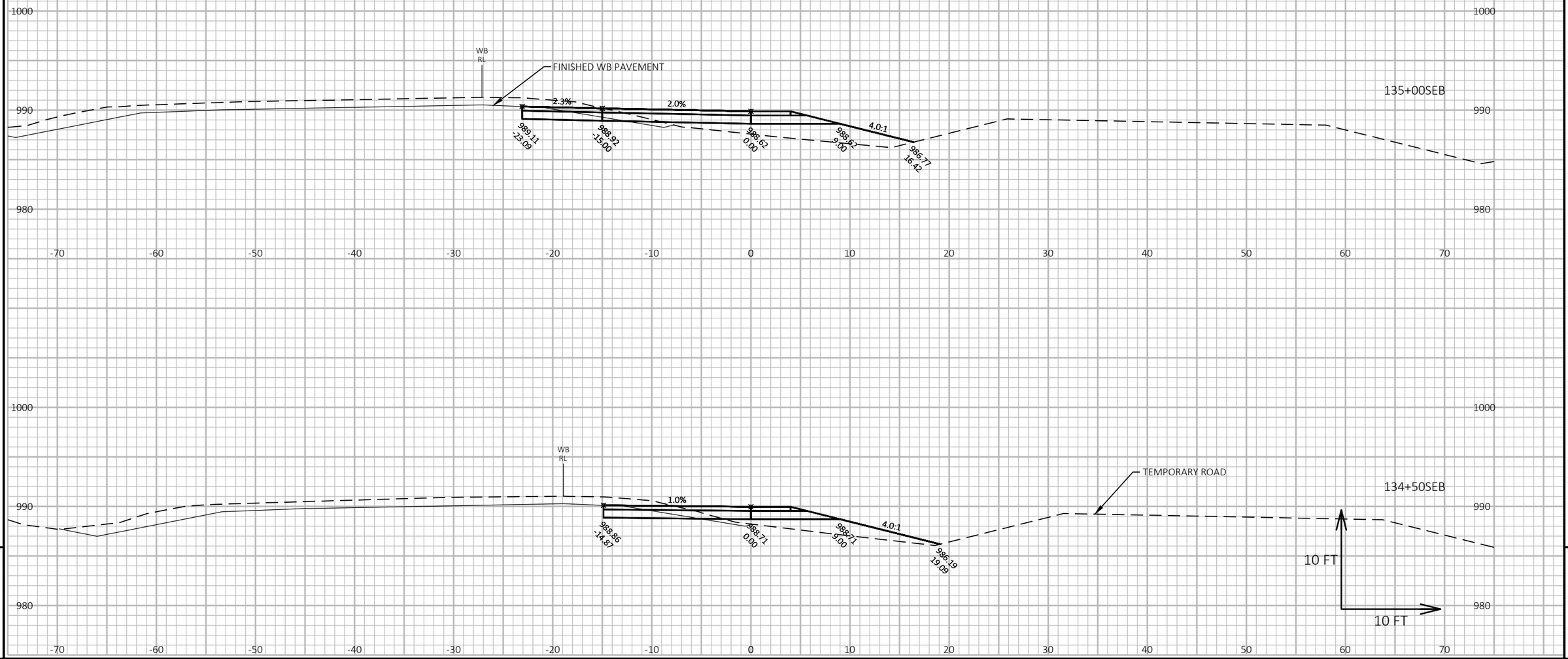
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE3B - SEB TEMPORARY RAMP (WB-OFF-RAMP)	SHEET 910	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090103-XS-SEB RAMP.DWG
LAYOUT NAME - XSEC-SEB1

PLOT DATE : 10/31/2021 2:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



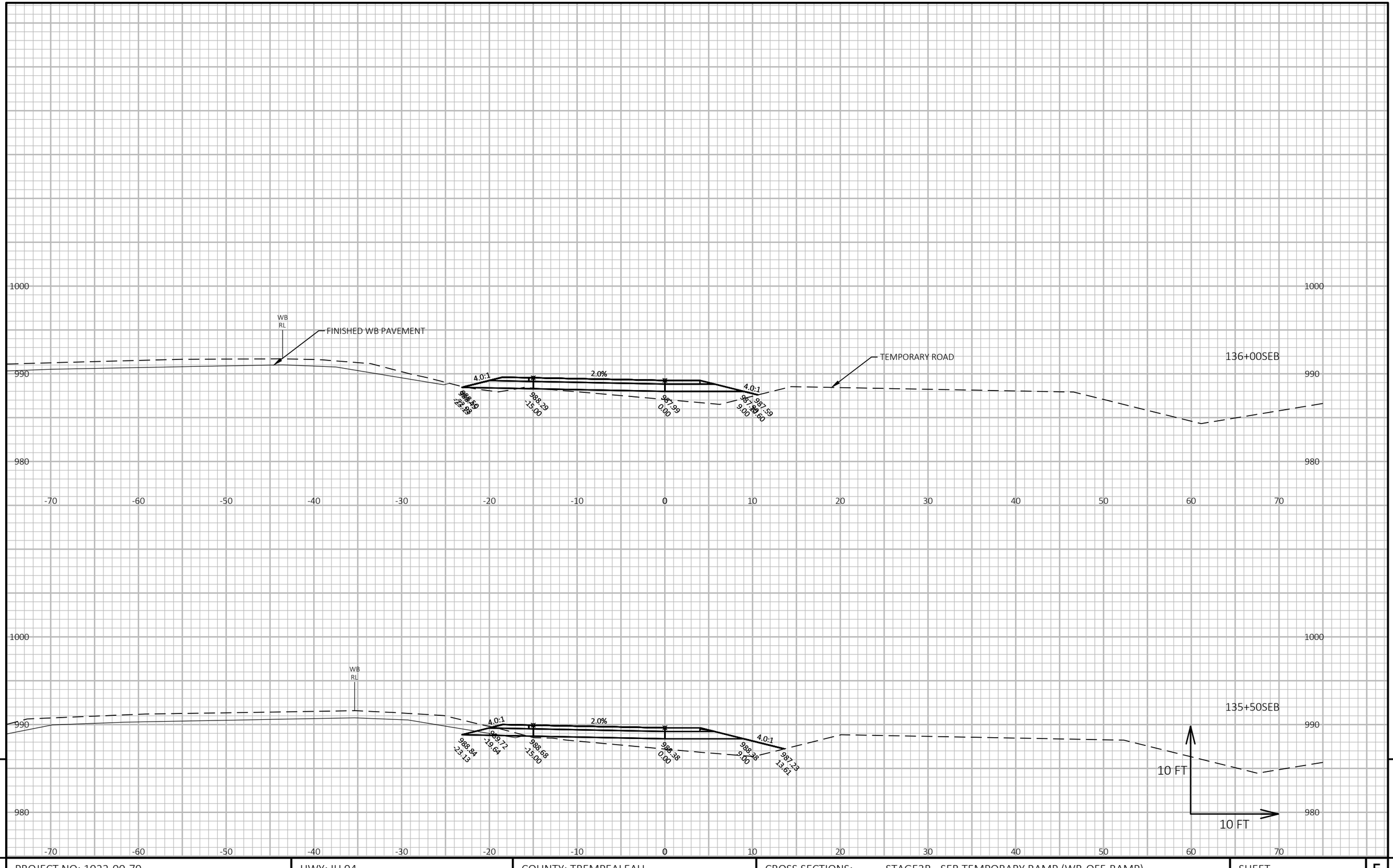
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE3B - SEB TEMPORARY RAMP (WB-OFF-RAMP)	SHEET 911	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090103-XS-SEB RAMP.DWG
LAYOUT NAME - XSEC-SEB2

PLOT DATE : 10/31/2021 2:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9



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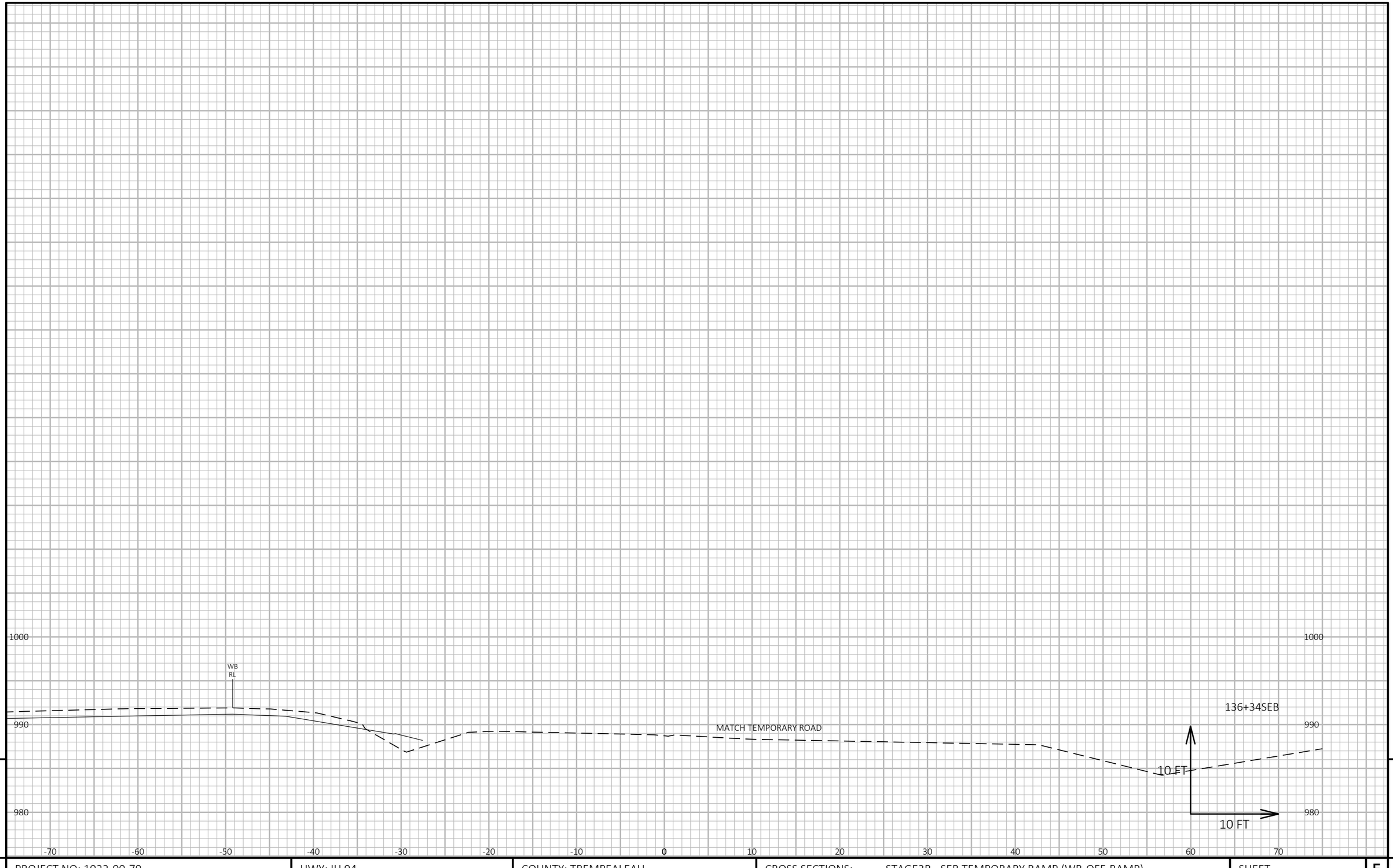
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE3B - SEB TEMPORARY RAMP (WB-OFF-RAMP)	SHEET 912	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090103-XS-SEB RAMP.DWG
LAYOUT NAME - XSEC-SEB3

PLOT DATE : 10/31/2021 2:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

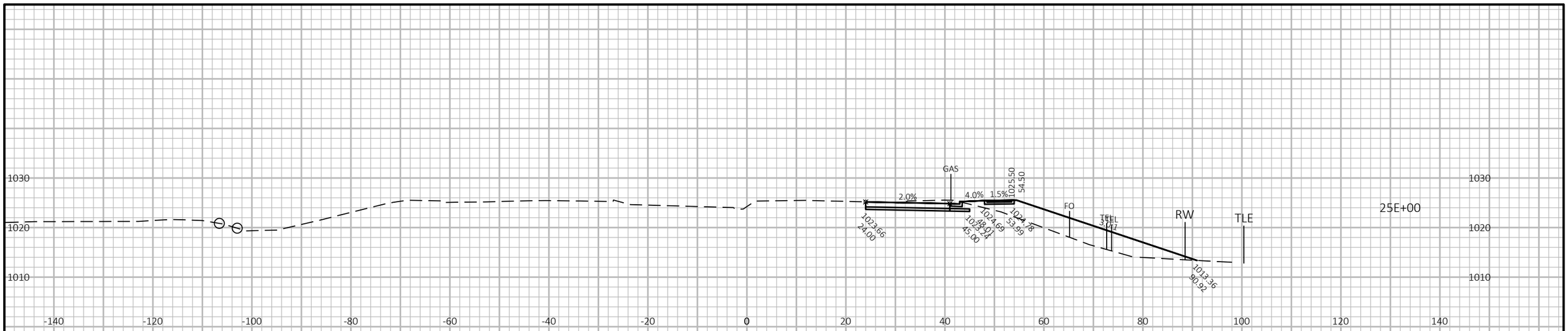
9

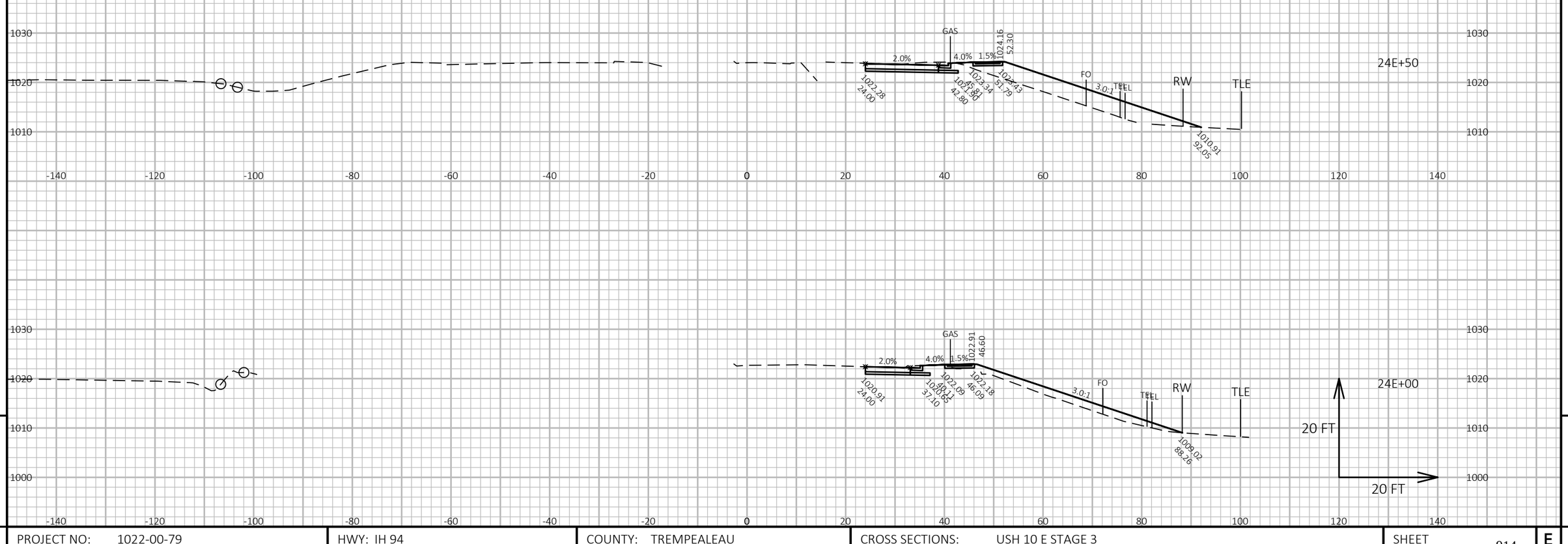
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: STAGE3B - SEB TEMPORARY RAMP (WB-OFF-RAMP)	SHEET 913	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\3B-090103-XS-SEB RAMP.DWG
LAYOUT NAME - XSEC-SEB3 (2)

PLOT DATE : 10/31/2021 2:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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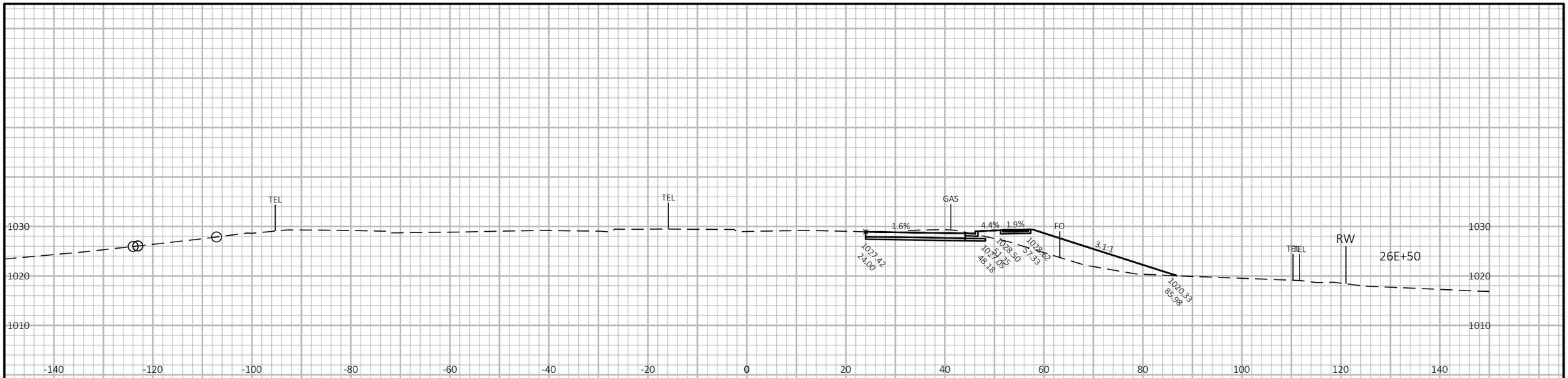
9

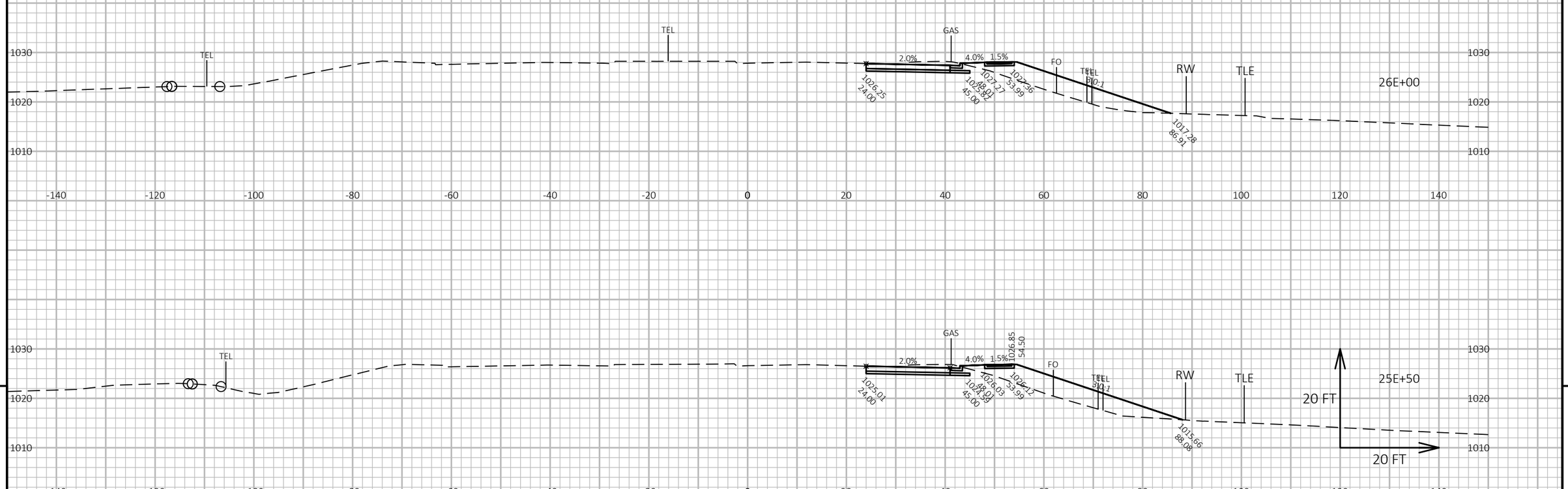
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: USH 10 E STAGE 3	SHEET 914	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3B-090104-XS-10 EB.DWG
LAYOUT NAME - 10 E

PLOT DATE : 4/23/2021 3:32 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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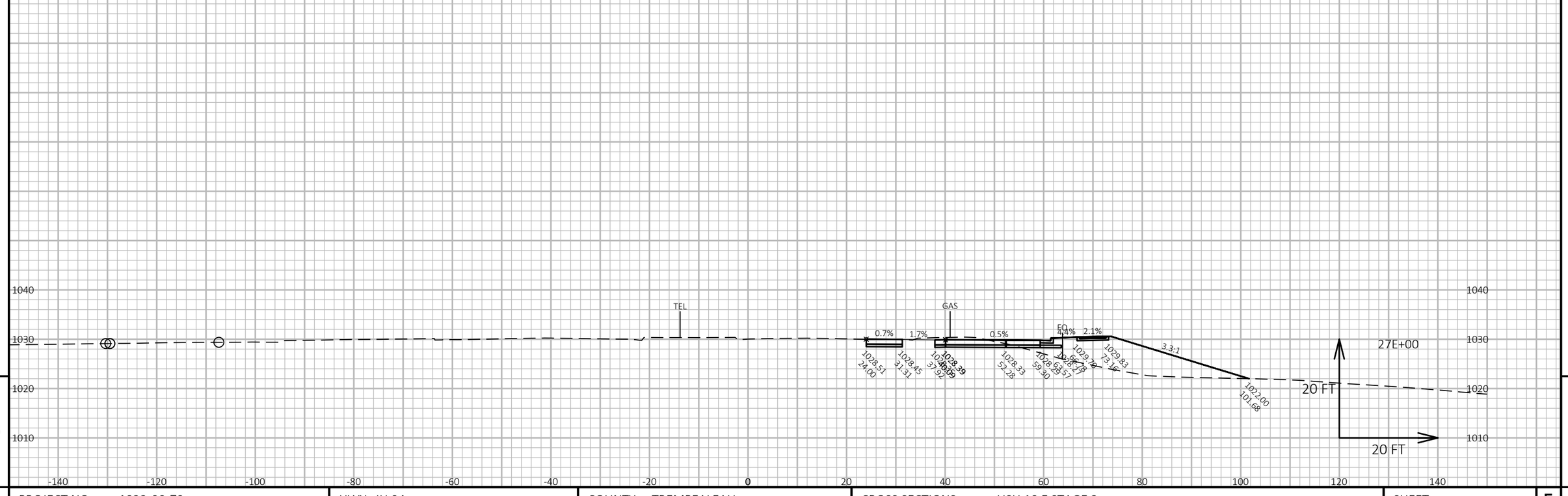
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: USH 10 E STAGE 3	SHEET 915	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3B-090104-XS-10 EB.DWG
LAYOUT NAME - 10 E (2)

PLOT DATE : 4/23/2021 3:32 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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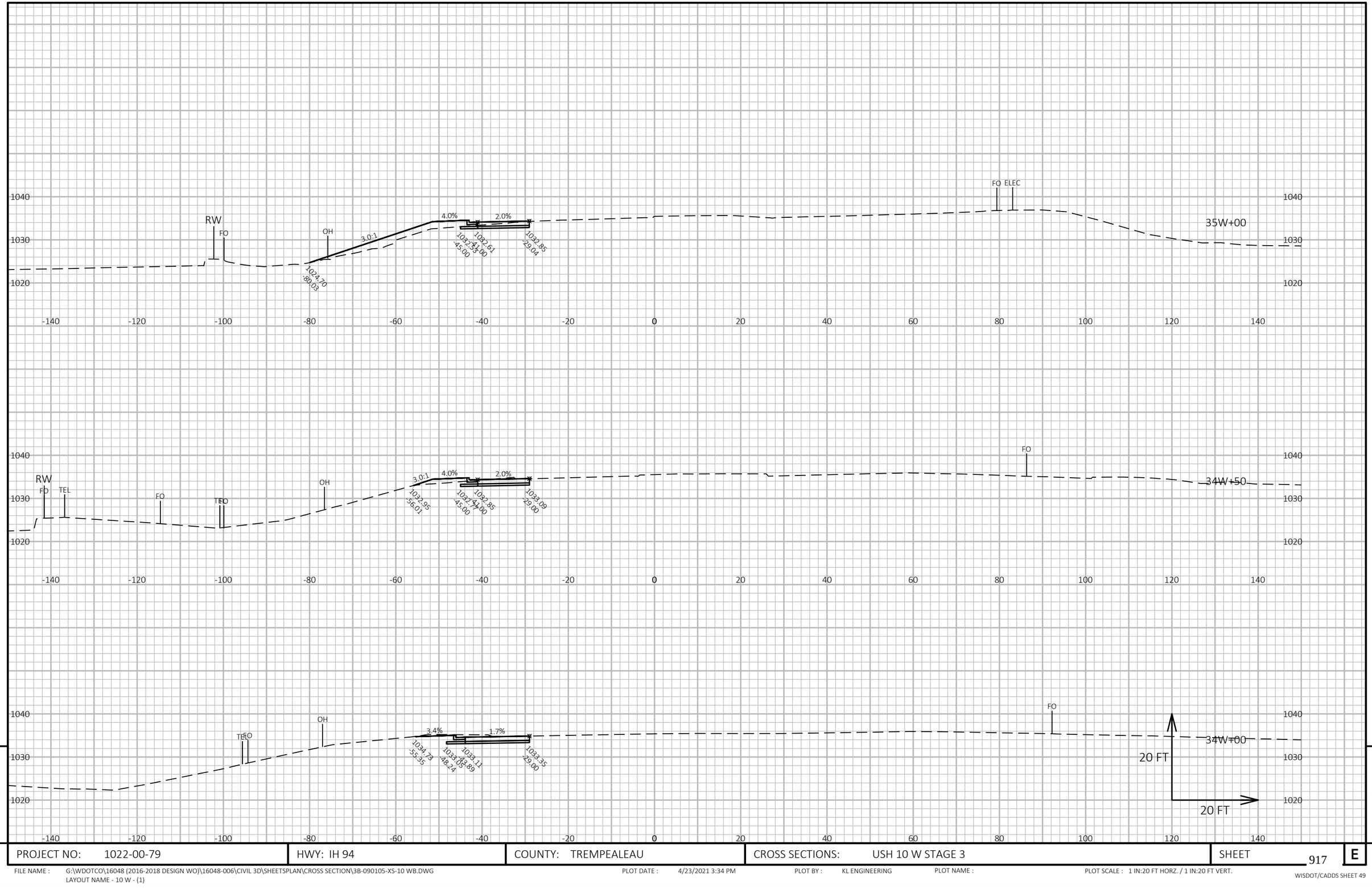
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: USH 10 E STAGE 3	SHEET 916	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3B-090104-XS-10 EB.DWG
LAYOUT NAME - 10 E (3)

PLOT DATE : 4/23/2021 3:32 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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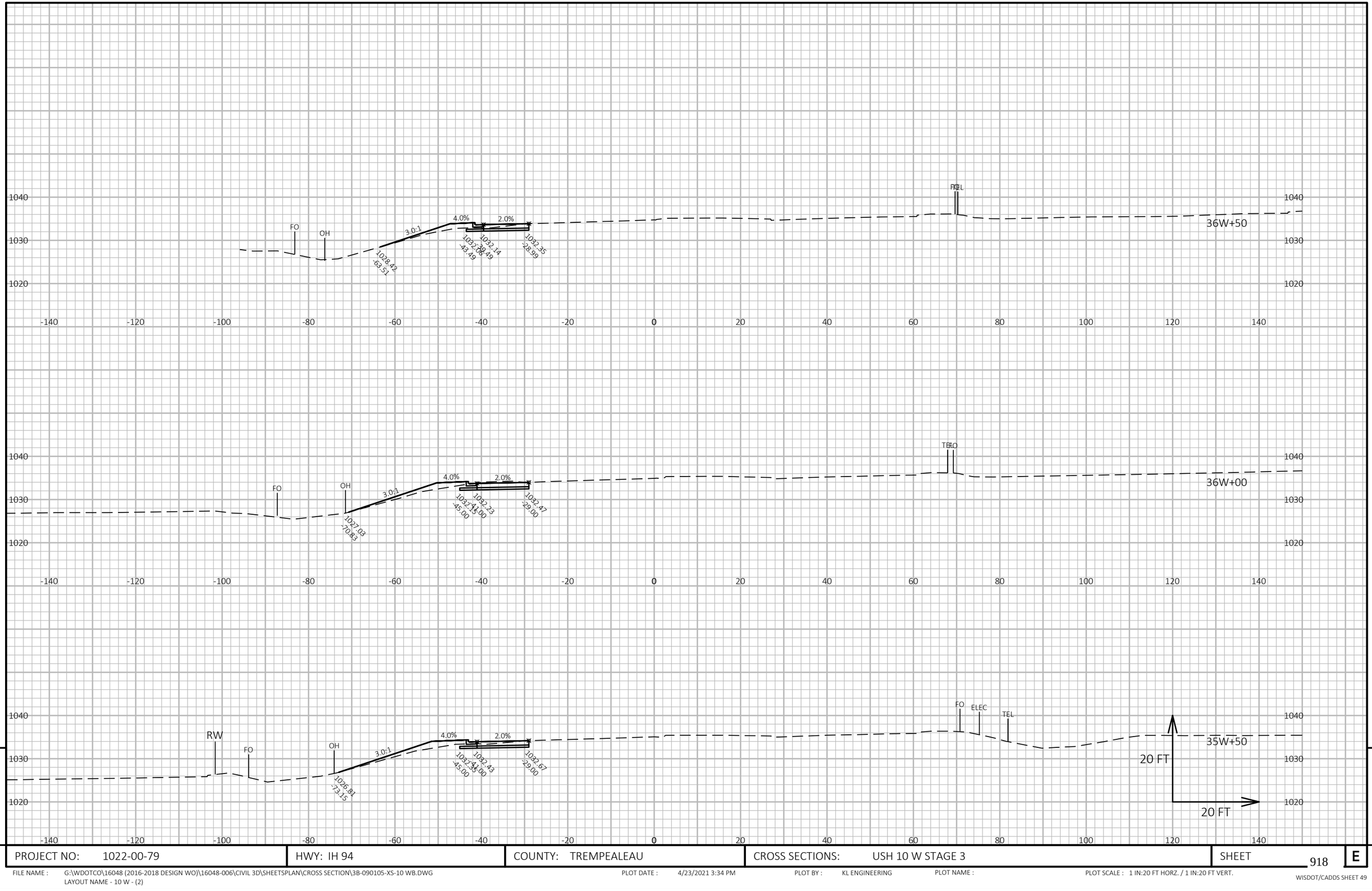
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: USH 10 W STAGE 3	SHEET 917	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3B-090105-XS-10 WB.DWG
LAYOUT NAME - 10 W - (1)

PLOT DATE : 4/23/2021 3:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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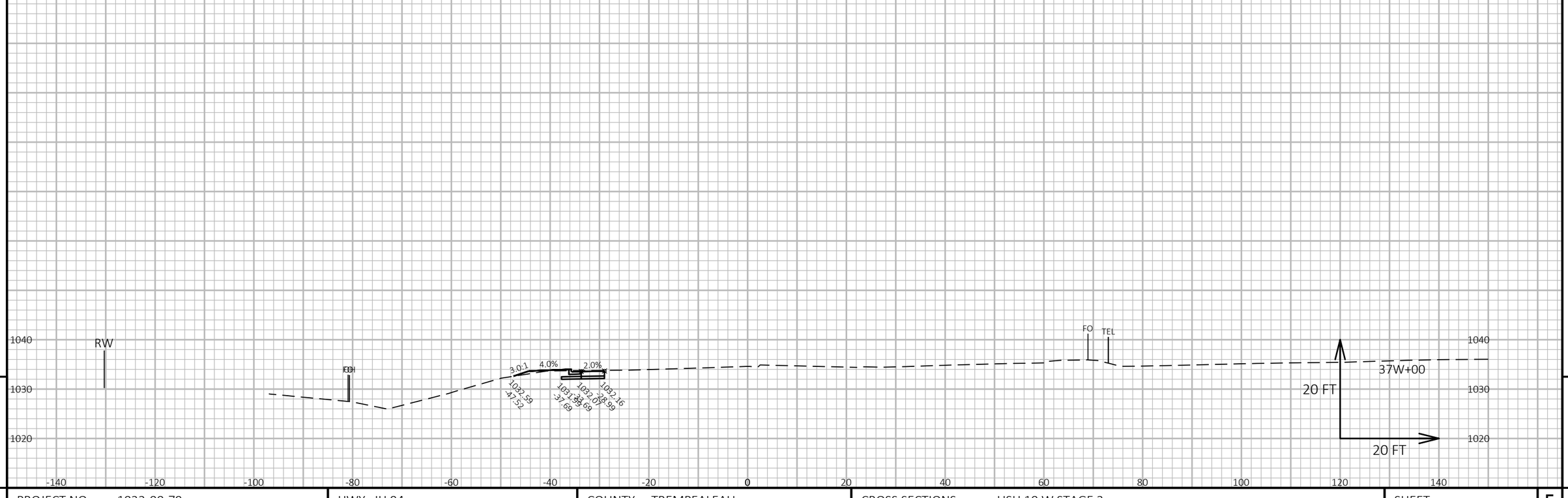
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: USH 10 W STAGE 3	SHEET 918	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3B-090105-XS-10 WB.DWG
LAYOUT NAME - 10 W - (2)

PLOT DATE : 4/23/2021 3:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

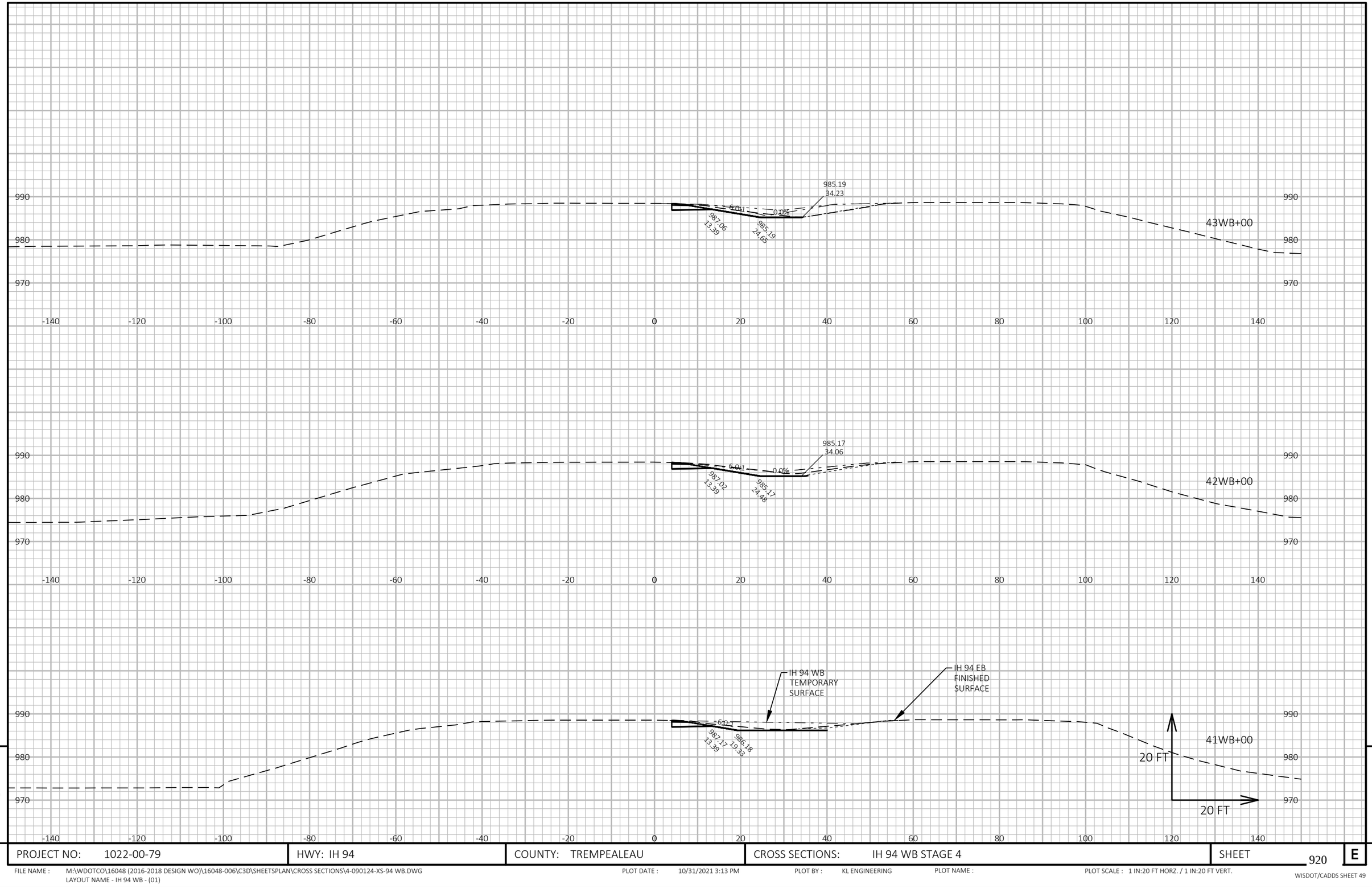


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: USH 10 W STAGE 3	SHEET 919	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\CIVIL 3D\SHEETSPLAN\CROSS SECTION\3B-090105-XS-10 WB.DWG
LAYOUT NAME - 10 W - (3)

PLOT DATE : 4/23/2021 3:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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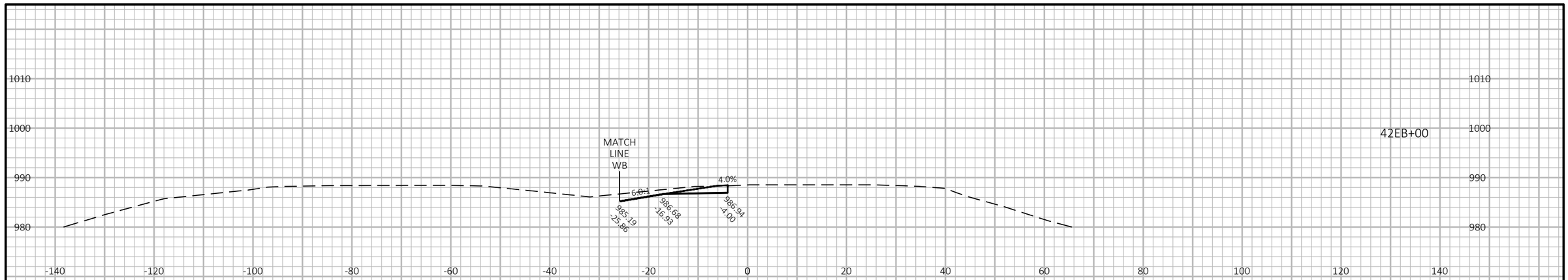
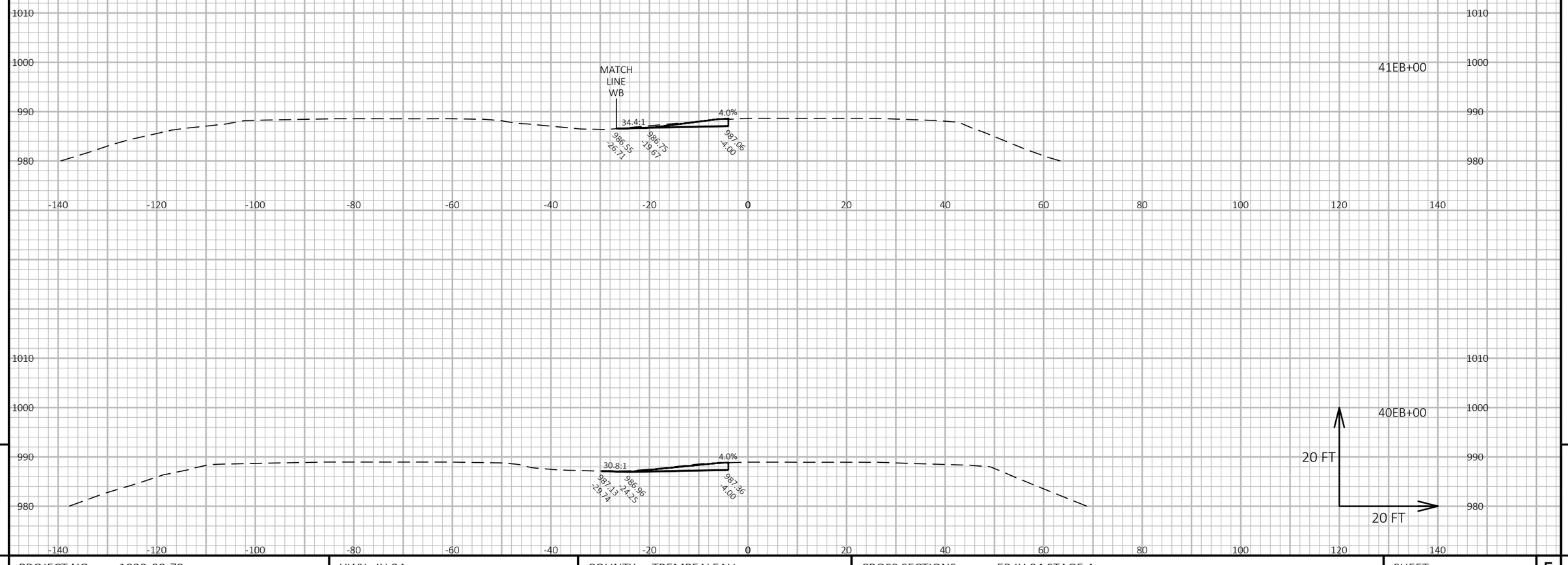
9

PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 4	SHEET 920	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090124-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (01)

PLOT DATE : 10/31/2021 3:13 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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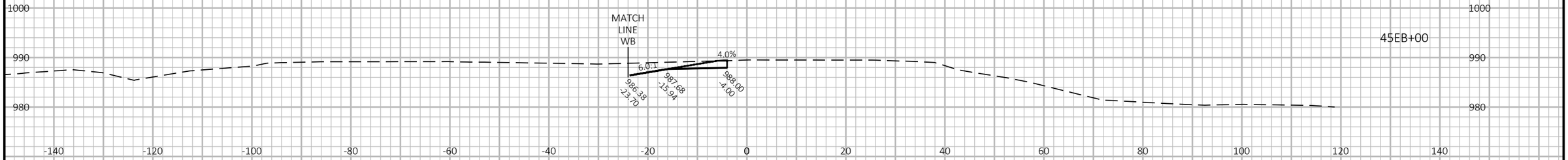
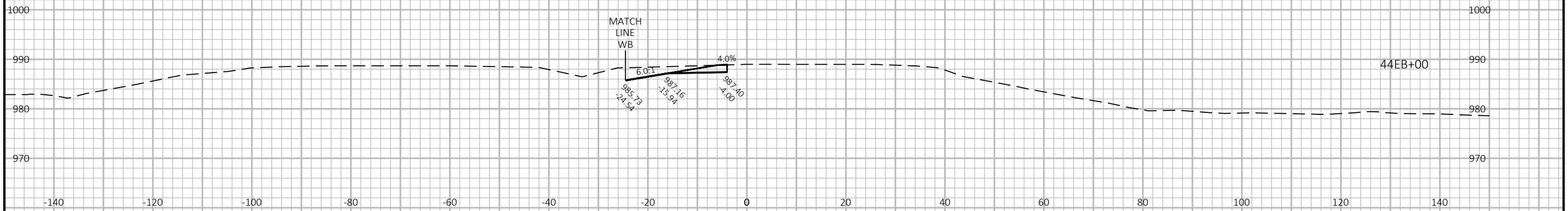
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: EB IH 94 STAGE 4	SHEET 921	E

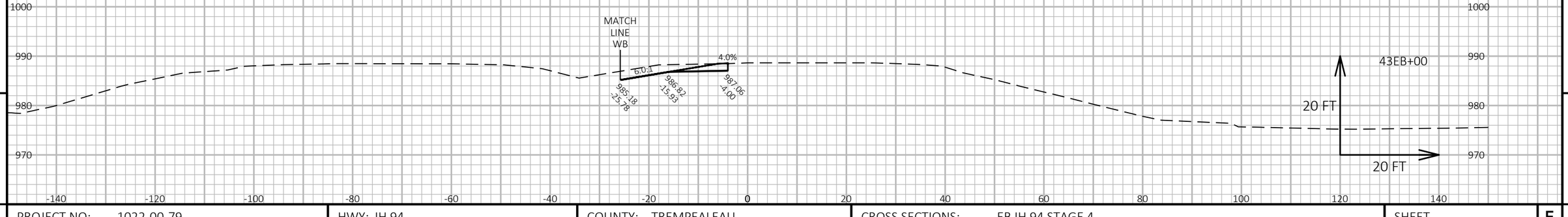
FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090124-XS-94 EB.DWG
LAYOUT NAME - 4BOP1

PLOT DATE : 1/31/2022 10:22 AM PLOT BY : JON BLOMQUIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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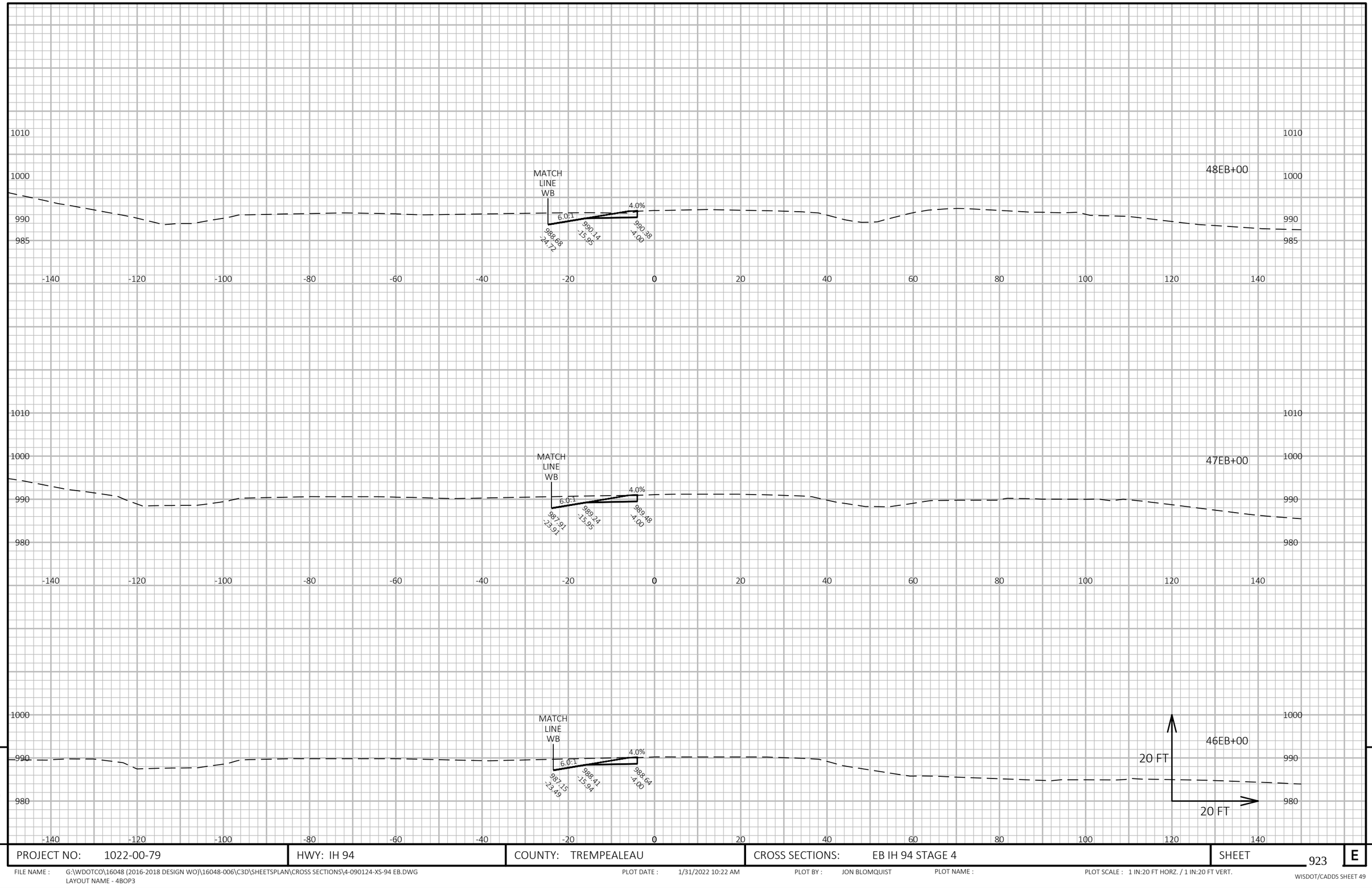
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: EB IH 94 STAGE 4	SHEET 922	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090124-XS-94 EB.DWG
LAYOUT NAME - 4BOP2

PLOT DATE : 1/31/2022 10:22 AM PLOT BY : JON BLOMQUIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

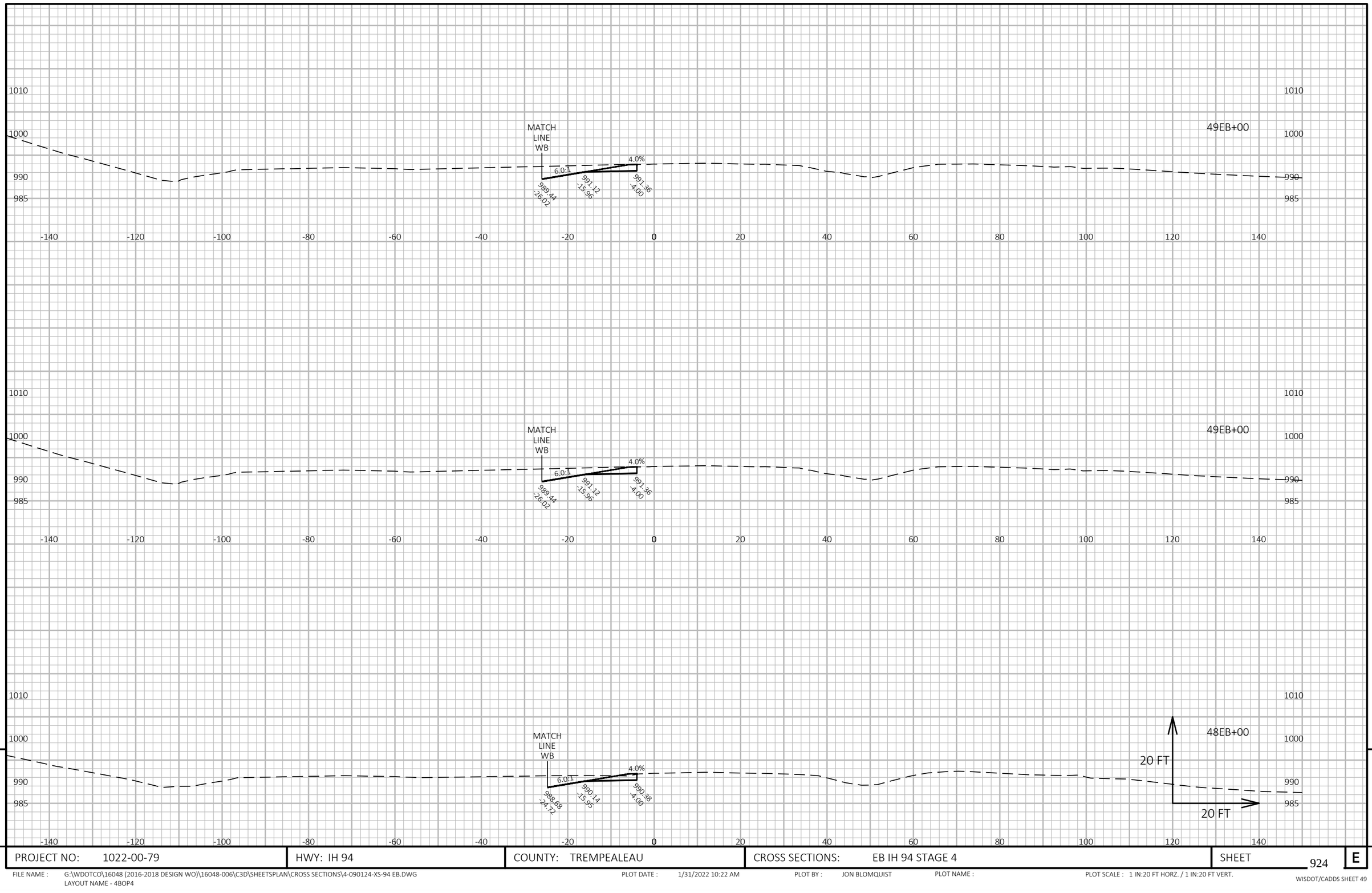


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: EB IH 94 STAGE 4	SHEET 923	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090124-XS-94 EB.DWG
LAYOUT NAME - 4BOP3

PLOT DATE : 1/31/2022 10:22 AM PLOT BY : JON BLOMQUIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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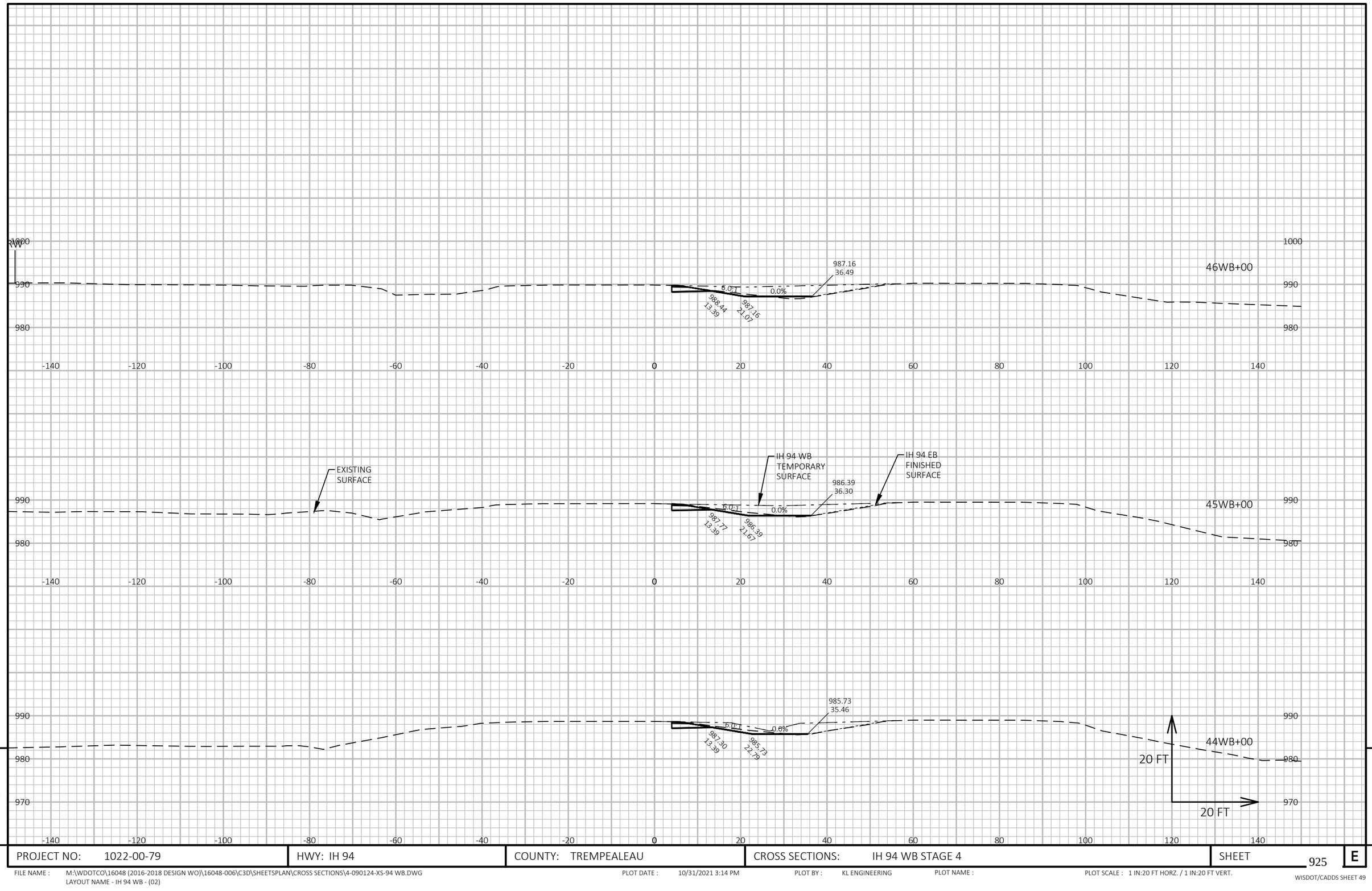
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: EB IH 94 STAGE 4	SHEET 924	E

FILE NAME : G:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090124-XS-94 EB.DWG
LAYOUT NAME - 4BOP4

PLOT DATE : 1/31/2022 10:22 AM PLOT BY : JON BLOMQUIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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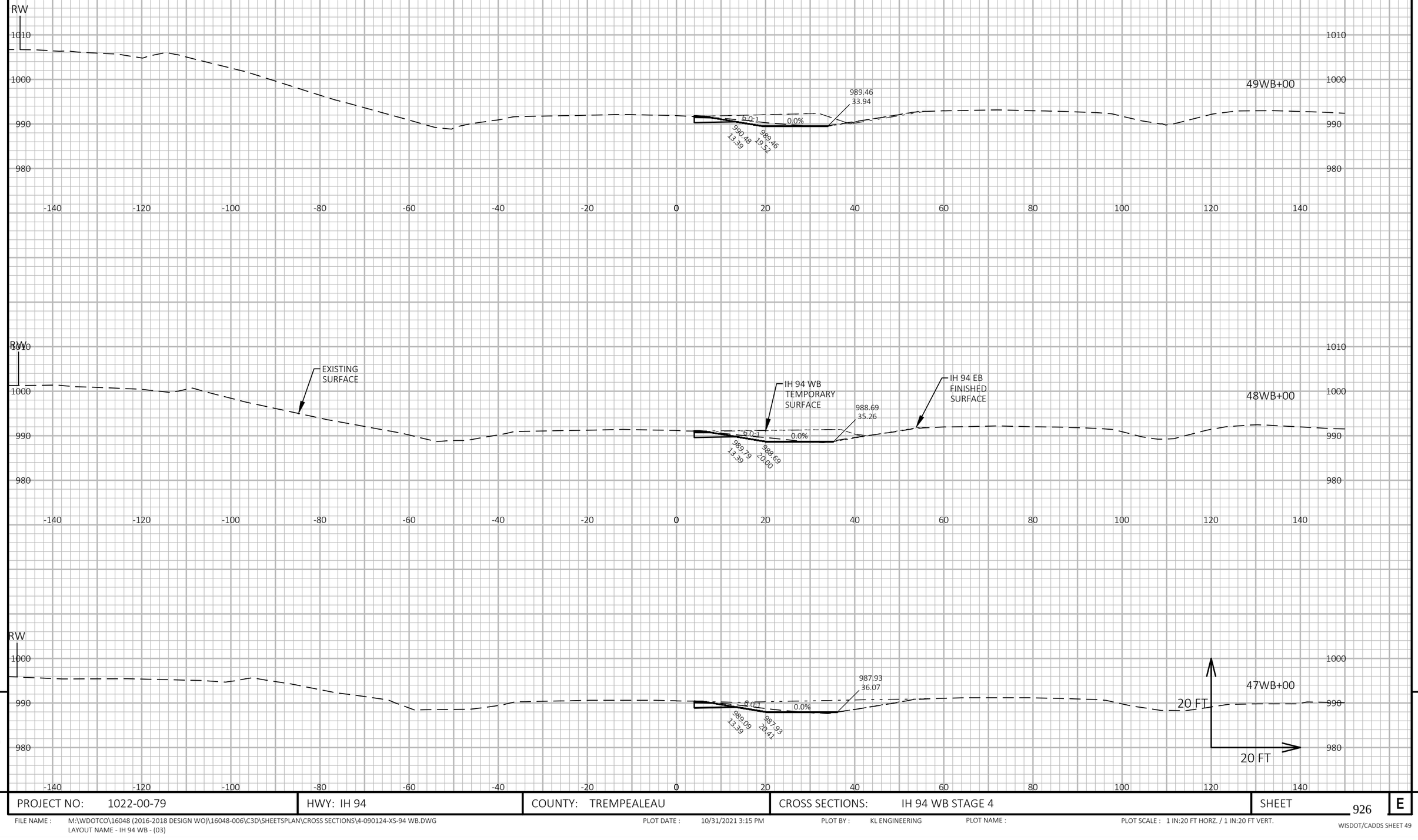
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 4	SHEET 925	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090124-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (02)

PLOT DATE : 10/31/2021 3:14 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

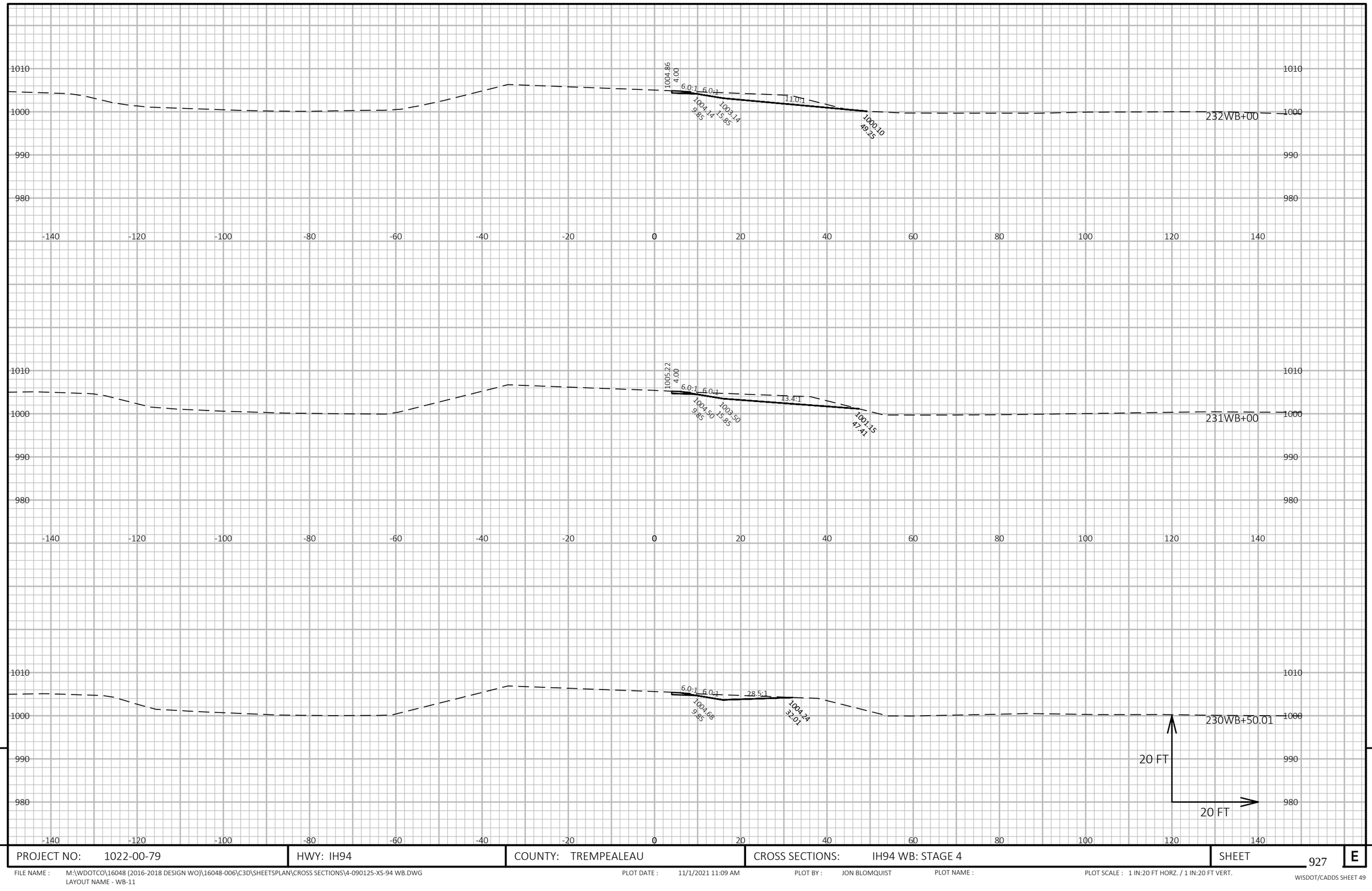


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH 94 WB STAGE 4	SHEET 926	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090124-XS-94 WB.DWG
LAYOUT NAME - IH 94 WB - (03)

PLOT DATE : 10/31/2021 3:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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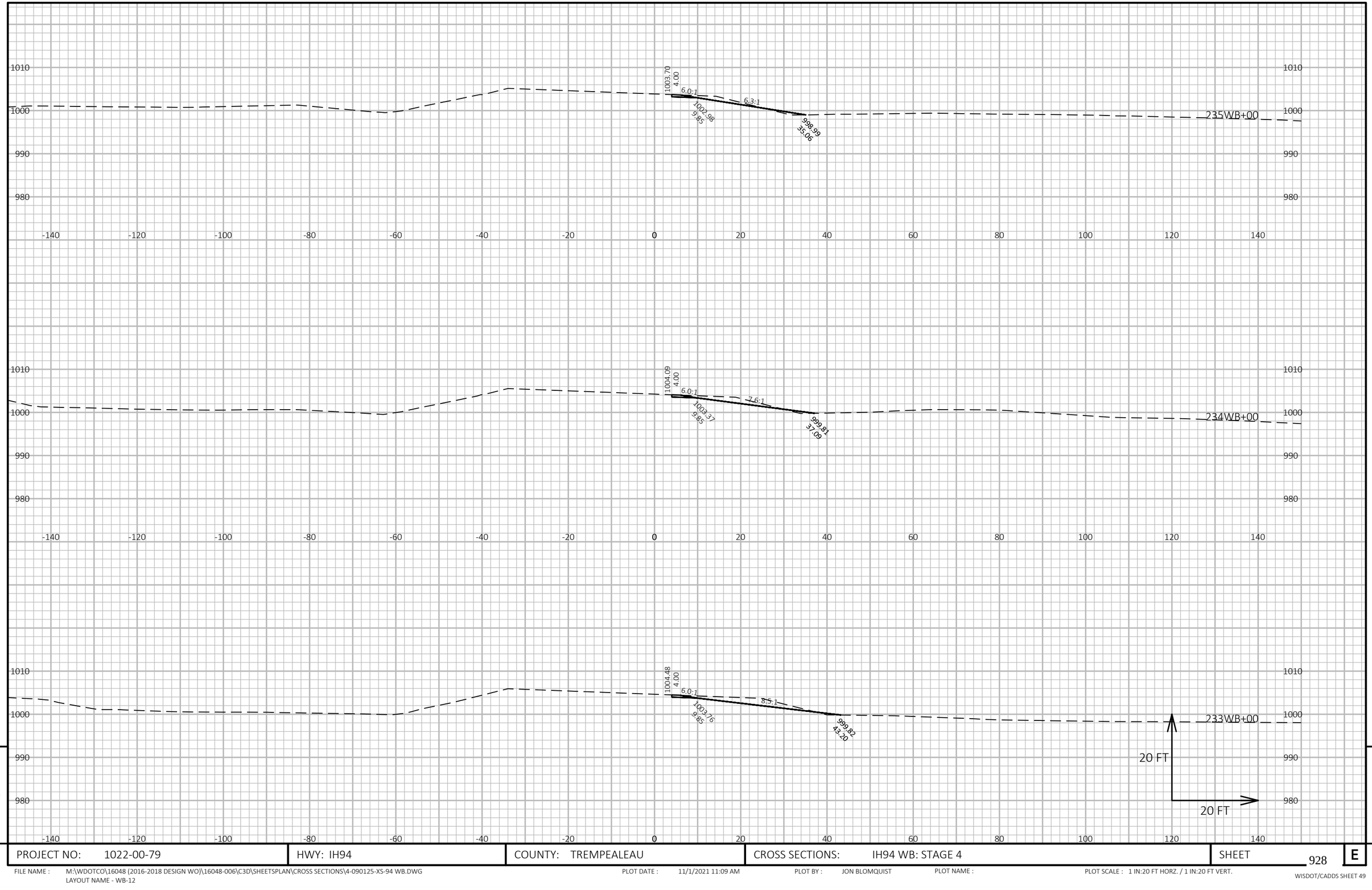
PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH94 WB: STAGE 4	SHEET 927	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090125-XS-94 WB.DWG
LAYOUT NAME - WB-11

PLOT DATE : 11/1/2021 11:09 AM PLOT BY : JON BLOMQUIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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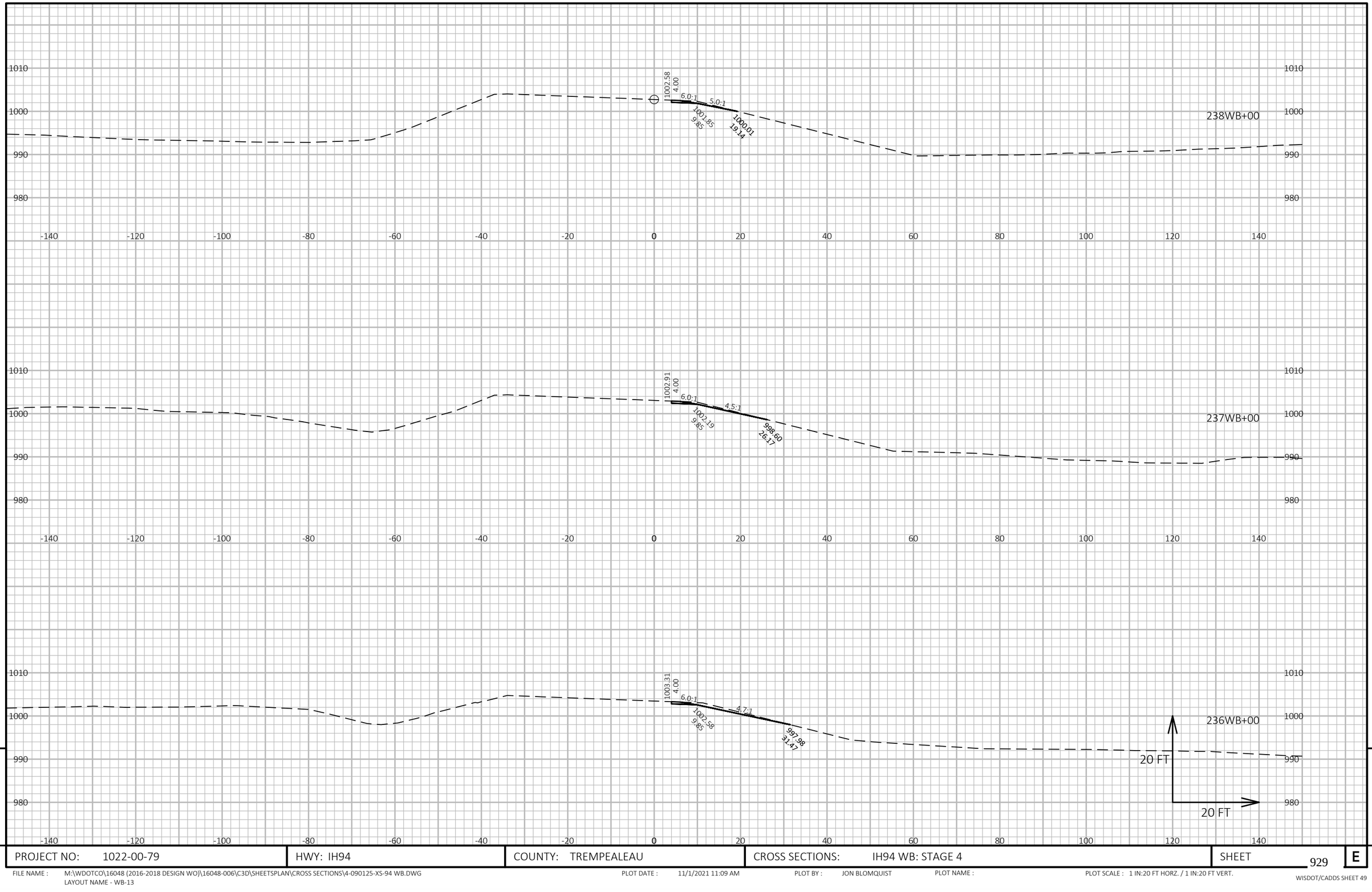
PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH94 WB: STAGE 4	SHEET 928	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090125-XS-94 WB.DWG
LAYOUT NAME - WB-12

PLOT DATE : 11/1/2021 11:09 AM PLOT BY : JON BLOMQUIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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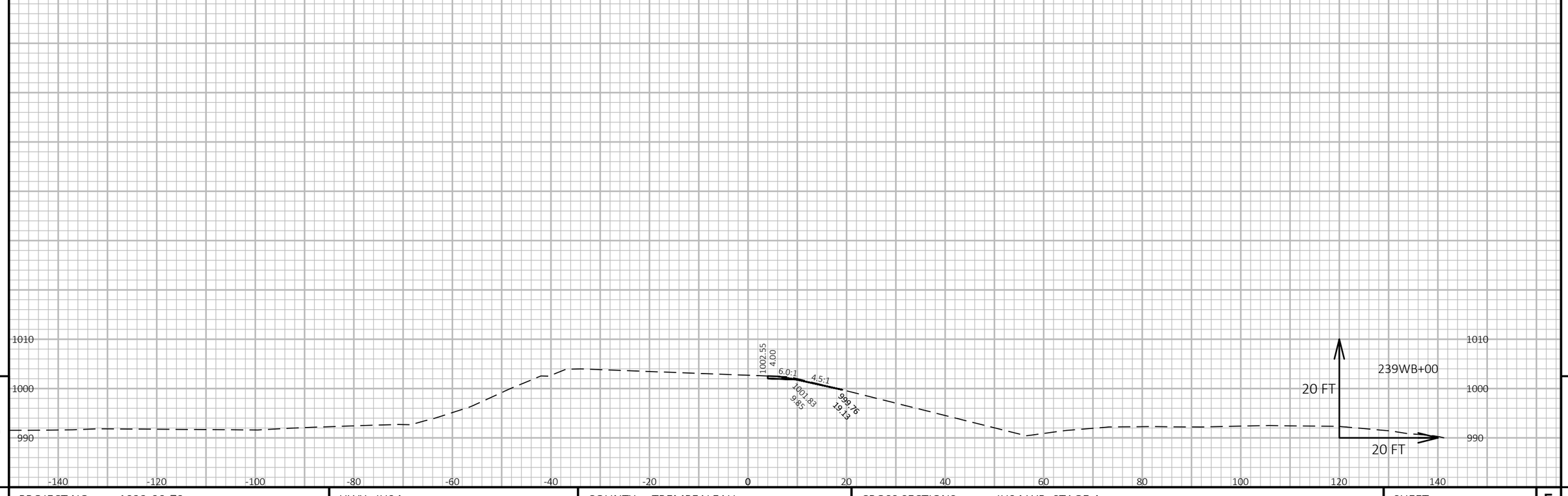
PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH94 WB: STAGE 4	SHEET 929	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090125-XS-94 WB.DWG
LAYOUT NAME - WB-13

PLOT DATE : 11/1/2021 11:09 AM PLOT BY : JON BLOMQUIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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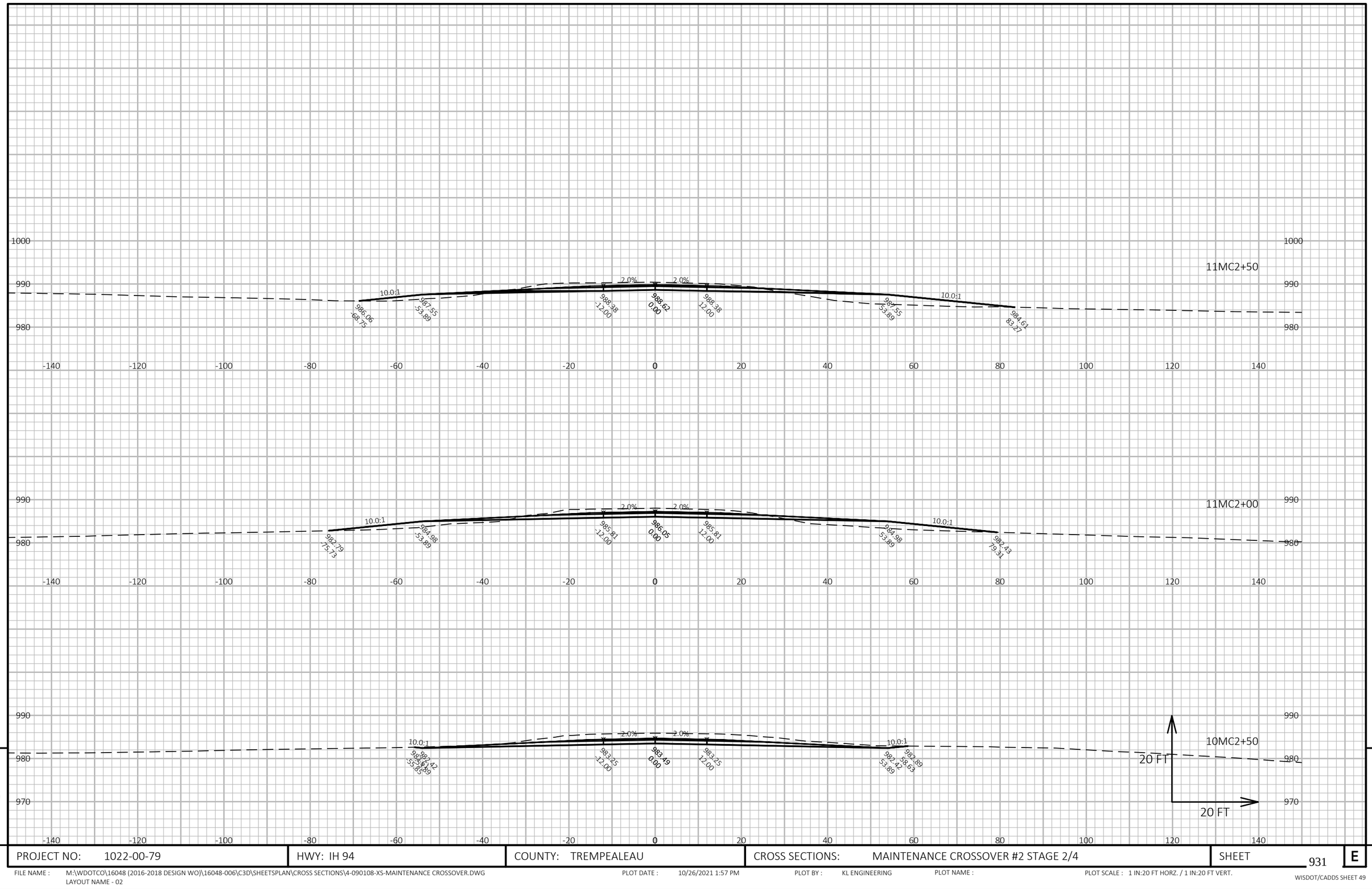
PROJECT NO: 1022-00-79	HWY: IH94	COUNTY: TREMPEALEAU	CROSS SECTIONS: IH94 WB: STAGE 4	SHEET 930	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090125-XS-94 WB.DWG
LAYOUT NAME - WB-14

PLOT DATE : 11/1/2021 11:09 AM PLOT BY : JON BLOMQUIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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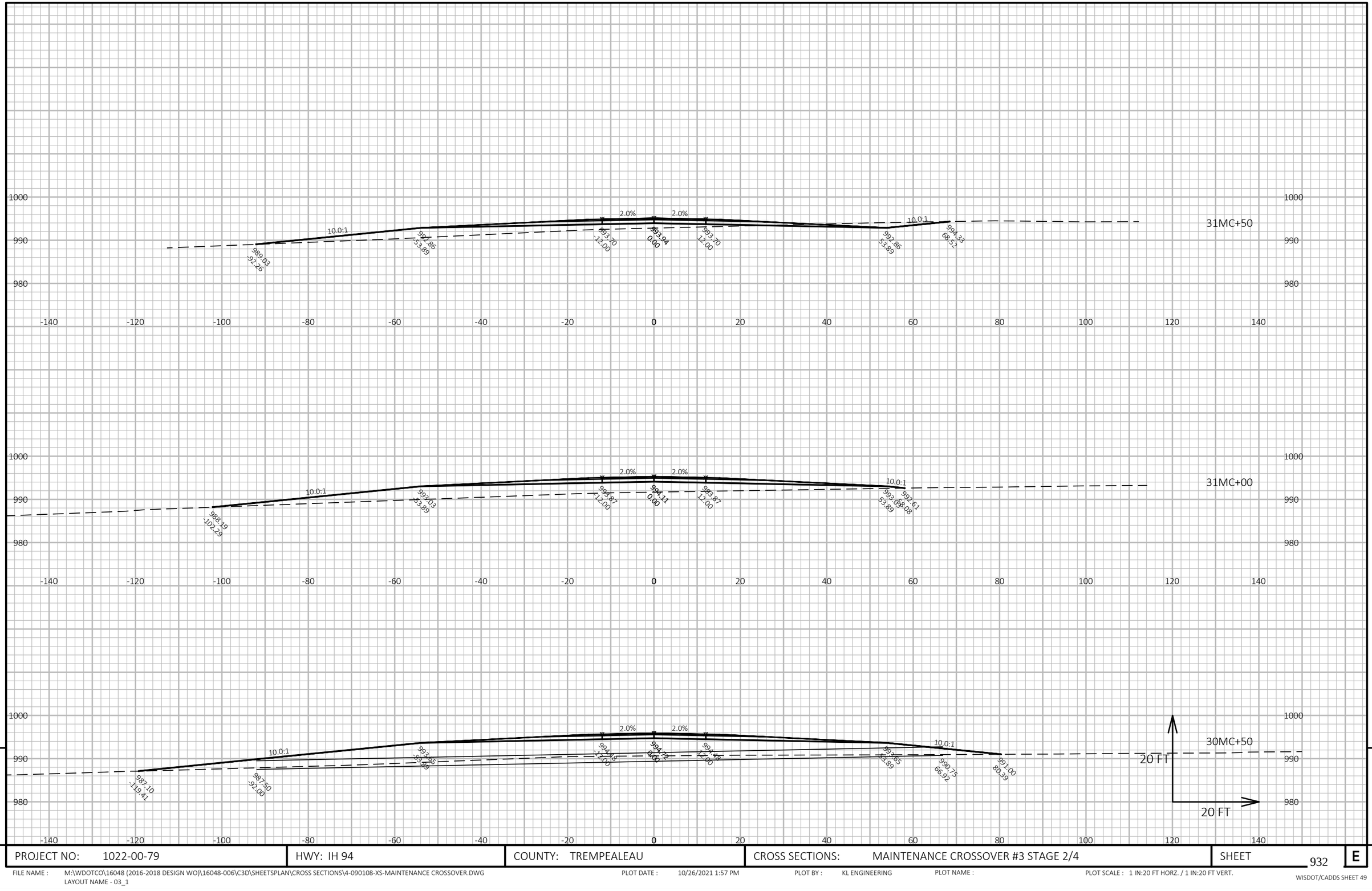
PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINTENANCE CROSSOVER #2 STAGE 2/4	SHEET 931	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090108-XS-MAINTENANCE CROSSOVER.DWG
LAYOUT NAME - 02
PLOT DATE : 10/26/2021 1:57 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

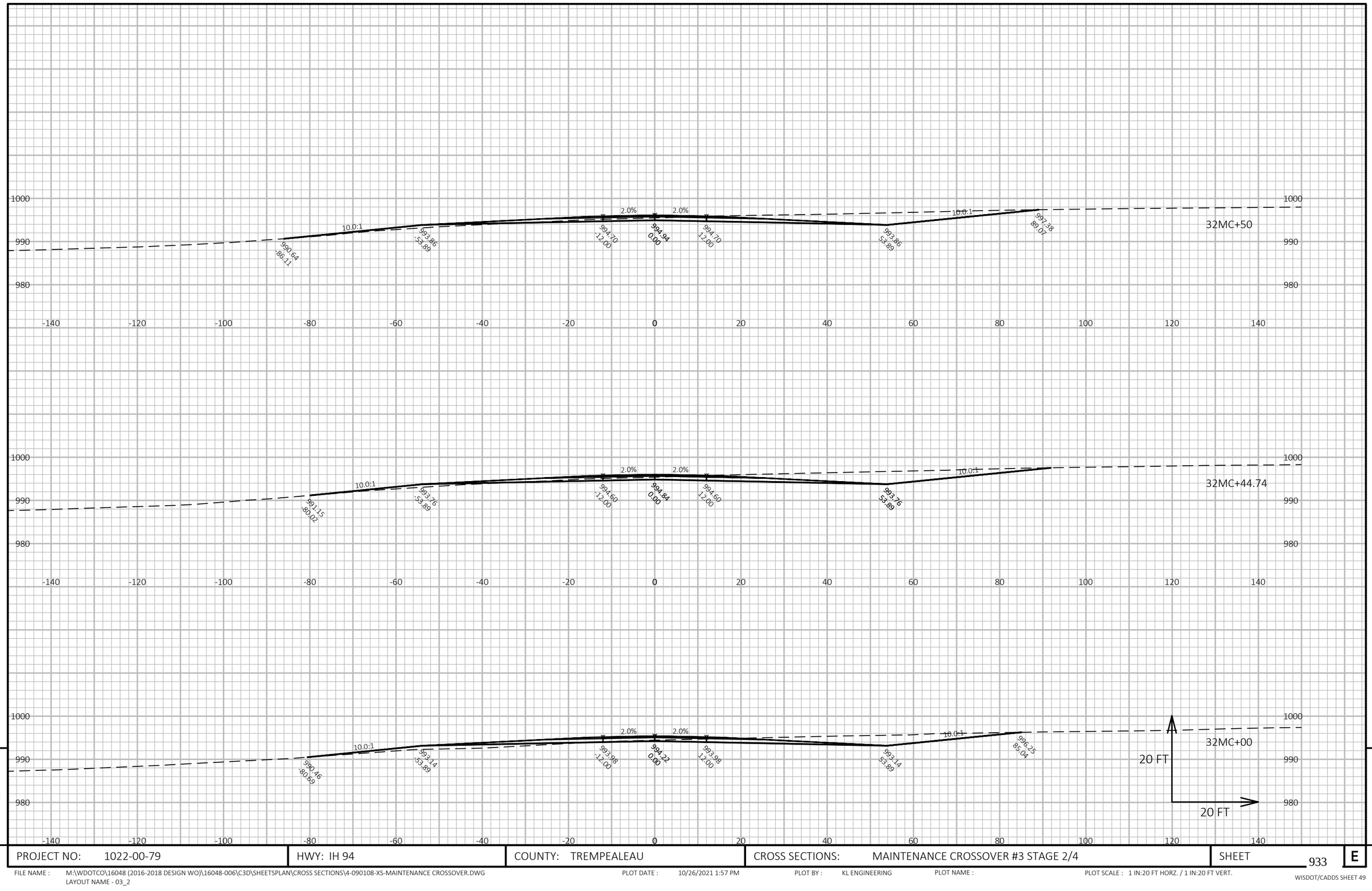


PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINTENANCE CROSSOVER #3 STAGE 2/4	SHEET 932	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090108-XS-MAINTENANCE CROSSOVER.DWG
LAYOUT NAME - 03_1

PLOT DATE : 10/26/2021 1:57 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-00-79	HWY: IH 94	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINTENANCE CROSSOVER #3 STAGE 2/4	SHEET 933	E

FILE NAME : M:\WDOTCO\16048 (2016-2018 DESIGN WO)\16048-006\C3D\SHEETSPLAN\CROSS SECTIONS\4-090108-XS-MAINTENANCE CROSSOVER.DWG
LAYOUT NAME - 03_2

PLOT DATE : 10/26/2021 1:57 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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