WKE May 10, 2022

PROJECT ID: 3180-00-76

WITH: N/A

COUNTY: RACINE

ORDER OF SHEETS

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

TOTAL SHEETS = 582



18

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SPRINGFIELD - WATERFORD

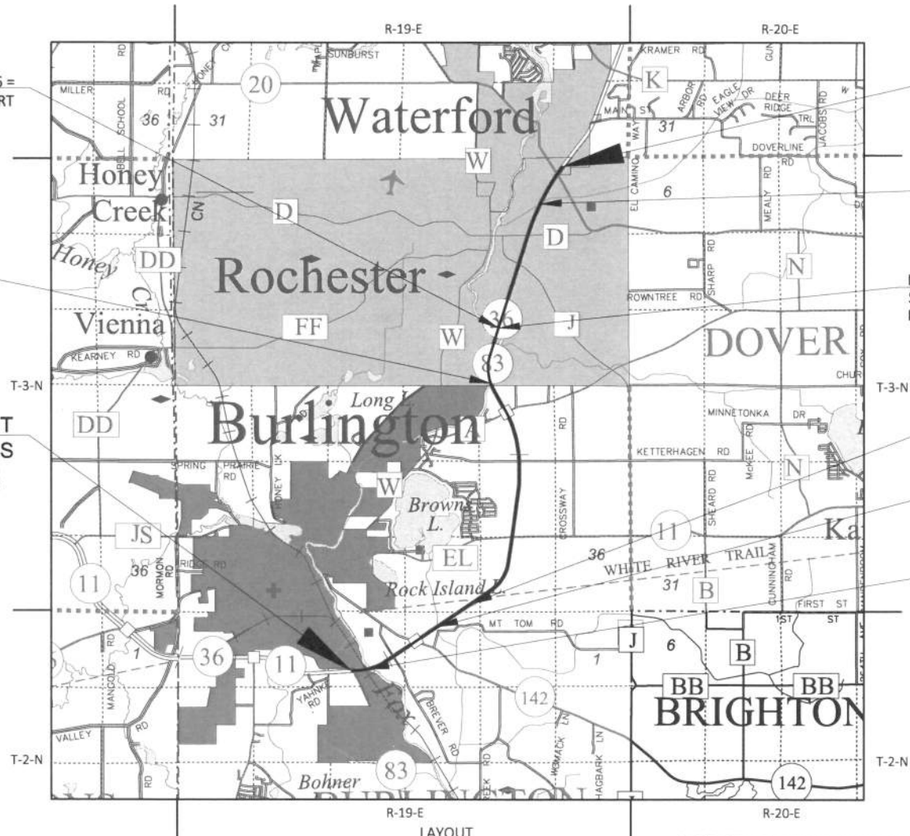
STH 83 TO STH 20

STH 36

RACINE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3180-00-76	WISC 2022392	1

STATE PROJECT NUMBER
3180-00-76



STA 229+02.27 R/L STH 36 =
STA 1431'B'+00 R/L BYPASS, 0.86' RT

END PROJECT
STA 351+75 R/L STH 36

NET EXCEPTION TO CL LENGTH
STA 320+54.48 - STA 321+74.10
B-51-57, B-51-79

NET EXCEPTION TO CL LENGTH
STA 1389'B'+68.90 - STA 1393'B'+05.69
B-51-102, B-51-103

NET EXCEPTION TO CL LENGTH
STA 1429'B'+42.70 - STA 230+53.02
B-51-56, B-51-78

BEGIN PROJECT
STA 1125'B'+00 R/L BYPASS
Y = 160,928.342
X = 511,533.577

STRUCTURE C-51-24
STA 1220'B'+92.16 - STA 1221'B'+07.84

STRUCTURE B-51-96
STA 1191'B'+42.82 - STA 1191'B'+75.17

NET EXCEPTION TO CL LENGTH
STA 1132'B'+49.94 - STA 1142'B'+93.47
B-51-93, B-51-94

LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 7.777 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), RACINE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

DESIGN DESIGNATION

A.A.D.T.	(2023)	=	7,000
A.A.D.T.	(2043)	=	8,500
D.H.V.		=	870
D.D.		=	60/40
T.		=	19.9%
DESIGN SPEED		=	55 MPH
ESALS		=	2,900,000

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 (300'ER)
- 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

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES

WISCONSIN PHILIP J. BAIN JR. E-36474 WAUWATOSA, WI PROFESSIONAL ENGINEER

DATE: 01/21/2022

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT/AYRES ASSOCIATES
Designer	AYRES ASSOCIATES
Project Manager	JUSTIN SUYDAM
Regional Examiner	WISDOT
Regional Supervisor	JANET CANNON

APPROVED FOR THE DEPARTMENT

DATE: 1/27/22 Justin W Suydam (Signature)

E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\010101-TI.DWG PLOT DATE : 1/21/2022 1:57 PM PLOT BY : STEUCK, ROBERT PLOT NAME :

GENERAL NOTES

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.

NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

MAINTAIN ACCESS TO PROPERTIES ADJACENT TO THE PROJECT AT ALL TIMES.

THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING MOTORISTS AND PEDESTRIANS THAT MAY ENTER THE WORK ZONE FROM POSSIBLE HAZARDS.

A MILLED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT MEETS AN EXISTING PAVED SURFACE. MILLED JOINTS SHALL BE NEATLY DELINEATED THROUGH THE ASPHALT WITHOUT DAMAGING EXISTING PAVEMENT TO REMAIN.

SAWCUT LOCATIONS SHOWN ON THE PLAN ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD. SAWCUTS SHALL BE NEATLY DELINEATED THROUGH THE ASPHALT/CONCRETE WITHOUT DAMAGING EXISTING SURFACE TO REMAIN.

TRAFFIC CONTROL DEVICES AS SHOWN IN THE PLAN ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER. CLEARING AND GRUBBING LIMITS TO BE MARKED BY THE ENGINEER.

DO NOT USE FERTILIZER WITHIN 20' OF WATERWAYS OR WETLAND AREAS.

RESHAPE, RESTORE, AND FINISH ALL PREVIOUSLY GRASSED AREAS DISTURBED BY OPERATIONS OUTSIDE OF THE CONSTRUCTION LIMITS AT NO EXPENSE TO THE DEPARTMENT.

CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC MONUMENT.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION. IF AN EXISTING SIGN IS TO BE REMOVED AND REPLACED WITH A NEW SIGN, DO NOT REMOVE THE EXISTING SIGN PRIOR TO INSTALLATION OF THE NEW SIGN.

PROPERTY LINES AS SHOWN ARE APPROXIMATE.

BEARINGS SHOWN ON THIS PLAN ARE TRUE BEARINGS TO THE NEAREST SECOND.

ELEVATIONS SHOWN ON THE ROADWAY CROSS SECTIONS ARE SUBGRADE ELEVATIONS.

SECTION 2 ORDER OF SHEETS

GENERAL NOTES AND CONTACTS
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING GRADES
PLAN DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING PLAN
TRAFFIC SIGNAL PLANS
PAVEMENT MARKING
TRAFFIC CONTROL AND STAGING
ALIGNMENT DETAILS
ALIGNMENT LAYOUT SURVEY CONTROL

ABBREVIATIONS

A.D.T.	AVERAGE DAILY TRAFFIC
A.A.D.T.	AVERAGE ANNUAL DAILY TRAFFIC
ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AH	AHEAD
ASPH	ASPHALTIC
AVG	AVERAGE
BK	BACK
BM	BENCH MARK
BOC	BACK OF CURB
CB	CATCH BASIN
CE	COMMERCIAL ENTRANCE
CL OR C/L	CENTERLINE
C&G	CURB AND GUTTER
CONC	CONCRETE
CP	CONTROL POINT
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPCS	CULVERT PIPE CORRUGATED STEEL
CTH	COUNTY HIGHWAY
CWT	HUNDREDWEIGHT
CY	CUBIC YARD
D	DEGREE OF CURVE
D.D	DIRECTIONAL DISTRIBUTION
D.H.V	DESIGN HOURLY VOLUME
DISCH	DISCHARGE
DWY	DRIVEWAY
EAT	ENERGY ABSORBING TERMINAL
EBS	EXCAVATION BELOW SUBGRADE
EL	ELEVATION
ESALS	EQUIVALENT SINGLE AXEL LOAD
EW / AEW	APRON ENDWALL
EXC	EXCAVATION
EXIST	EXISTING
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO	FIBER OPTIC
HE	HELICAL ELLIPTICAL
HYD	HYDRANT
ID	INSIDE DIAMETER
IN / INL	INLET
INV	INVERT
L	LENGTH OF CURVE
LF	LINEAR FEET
LHF	LEFT-HAND FORWARD
LS	LUMP SUM
MH	MANHOLE
NC	NORMAL CROWN
PAVT	PAVEMENT
PCC	POINT OF COMPOUND CURVE
PC	POINT OF CURVATURE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PVD	PAVED
R	RADIUS
RDWY	ROADWAY
REQ'D	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RHF	RIGHT HAND FORWARD
R/W	RIGHT OF WAY
R	RIVER
R/L	REFERENCE LINE
SAN	SANITARY SEWER
SF	SQUARE FEET
SDD	STANDARD DETAIL DRAWINGS
SHLD	SHOULDER
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
STH	STATE HIGHWAY
T	TANGENT
T/TN	TOWN
TYP	TYPICAL
VAR	VARIABLE
VC	VERTICAL CURVE
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE
YD	YARD

PROJECT CONTACTS

DNR LIASION
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
BENTON STELZEL
DNR SERVICE CENTER
141 NW BARSTOW STREET, ROOM 180
WAUKESHA, WI 53188
(262) 623-0194
BENTON.STELZEL@WISCONSON.GOV

DESIGN PROJECT MANAGER
AYRES ASSOCIATES
PHILIP BAIN JR., P.E.
20975 SWENSON DRIVE, SUITE 200
WAUKESHA, WI 53186
(262) 522-4940
BAINP@AYRESASSOCIATES.COM

WISDOT PROJECT MANAGER
JUSTIN SUYDAM, P.E.
141 NW BARSTOW STREET
WAUKESHA, WI 53187
(262) 548-8745
JUSTIN.SUYDAM@DOT.WI.GOV

RACINE COUNTY DPW
JULIE ANDERSON
14200 WASHINGTON AVENUE
STURTEVANT, WI 53177
(262) 886-8440
JULIE.ANDERSON@RACINECOUNTY.COM

SEWRPC
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
ROB MERRY
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187
(262) 953-4289
RMERRY@SEWRPC.ORG

WISDOT LIGHTING
ERIC PEREA
141 NW BARSTOW STREET
WAUKESHA, WI 53188
(414) 750-0935
ERIC.PEREA@DOT.WI.GOV

WISDOT SIGNALS
PARWINDER VIRK
141 NW BARSTOW STREET
WAUKESHA, WI 53188
(414) 852-0829
PARWINDER.VIRK@DOT.WI.GOV

UTILITY CONTACTS

AT&T WISCONSIN
MATTHEW DINNAUER
435 S. 95TH STREET
MILWAUKEE, WI 53214
(262) 237-0042 (MOBILE)
MD9542@ATT.COM

ATC MANAGEMENT INC.
CHRIS DAILEY
P.O. BOX 47
WAUKESHA, WI 53187
(262) 506-6884
CDAILEY@ATCLLC.COM

CITY OF BURLINGTON (SEWER & WATER)
PETER RIGGS
2200 S. PINE STREET
BURLINGTON, WI 53105
(262) 342-1182
PRIGGS@BURLINGTON-WI.GOV

EVERSTREAM*
SHAD GARCIA
324 E. WISCONSIN AVENUE, SUITE 730
MILWAUKEE, WI 53202
(414) 522-6685 (MOBILE)
SGARCIA@EVERSTREAM.NET

MIDWEST FIBER NETWORKS
CORY SCHMUKI
6070 N. FLINT ROAD
GLENDALE, WI 53209
(414) 459-3561
(414) 349-2764 (MOBILE)
CSCHMUKI@MIDWESTFIBERNETWORKS.COM

PAETEC COMMUNICATIONS
LORI KETTER
314 N. DANZ AVENUE
GREEN BAY, WI 54302-3526
(414) 274-9215
LORI.KETTER@WINDSTREAM.COM

SPECTRUM
GERALD SCHULTZ
1320 N. DR. MARTIN LUTHER KING, JR. DRIVE
MILWAUKEE, WI 53212
(414) 908-4863
(414) 232-7178 (MOBILE)
GERALD.SCHULTZ@CHARTER.COM

TDS TELECOM (AKA BURLINGTON, BRIGHTON & WHEATLAND TELEPHONE COMPANY, LLC)
DAVE HUWE
525 JUNCTION ROAD
MADISON, WI 53717
(608) 664-4312
DAVE.HUWE@TDSTELECOM.COM

VILLAGE OF ROCHESTER (SEWER)
CHRISTOPHER BIRKETT
P.O. BOX 65
ROCHESTER, WI 53167
(262) 534-1182
(262) 332-1017 (MOBILE)
CBIRKETT@ROCHESTERWI.US

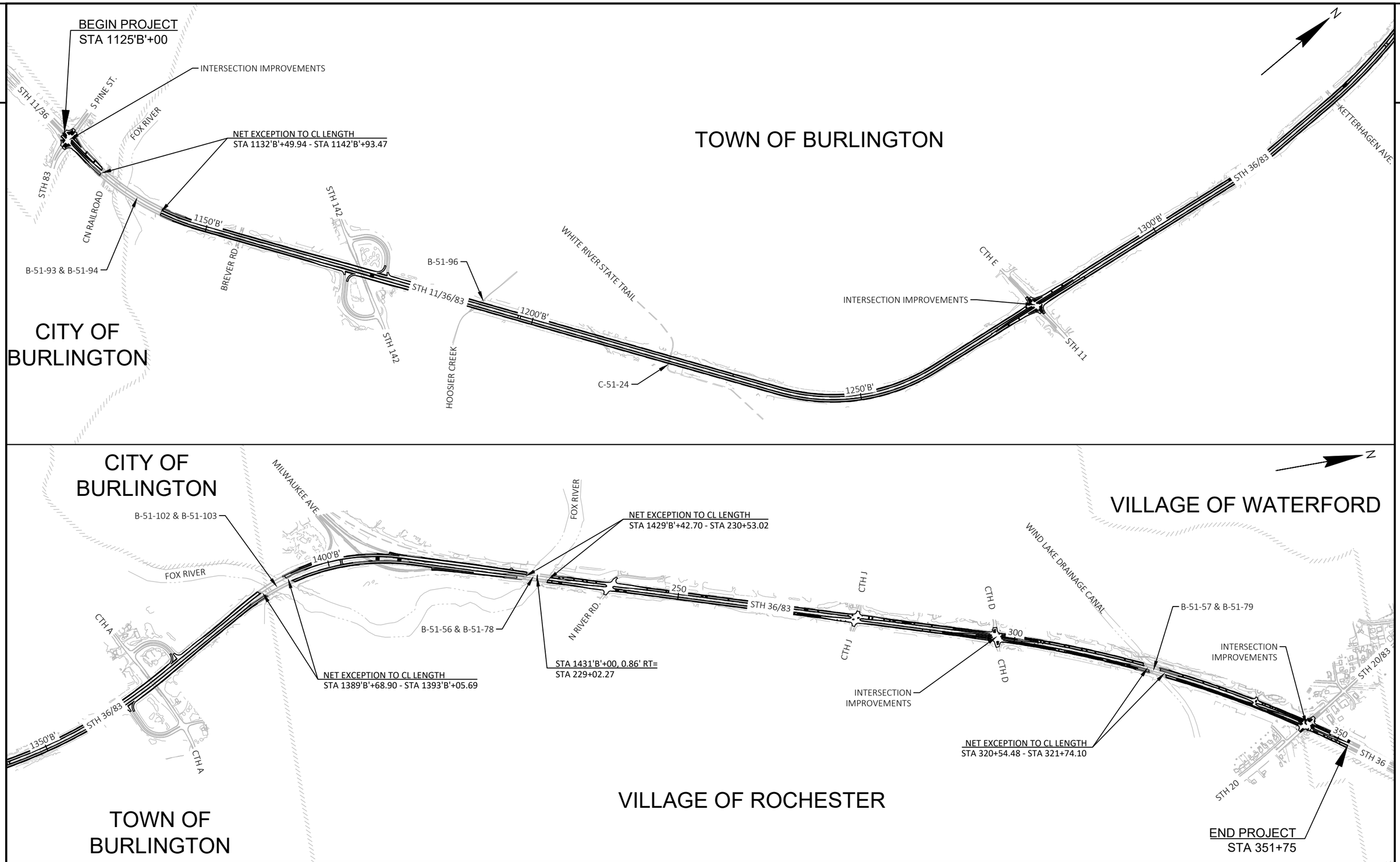
WE ENERGIES - ELECTRIC
ADAM PSICIHULIS
700 S. STREET
BURLINGTON, WI 53105
(262) 763-1011
(262) 490-1259 (MOBILE)
ADAM.PSICIHULIS@WE-ENERGIES.COM

WE ENERGIES - GAS
SCOTT HOLSTEIN
700 S. KANE STREET
BURLINGTON, WI 53105
(262) 763-1084
(262) 949-0490 (MOBILE)
SCOTT.HOLSTEIN@WE-ENERGIES.COM

*NOT A MEMBER OF DIGGERS HOTLINE

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

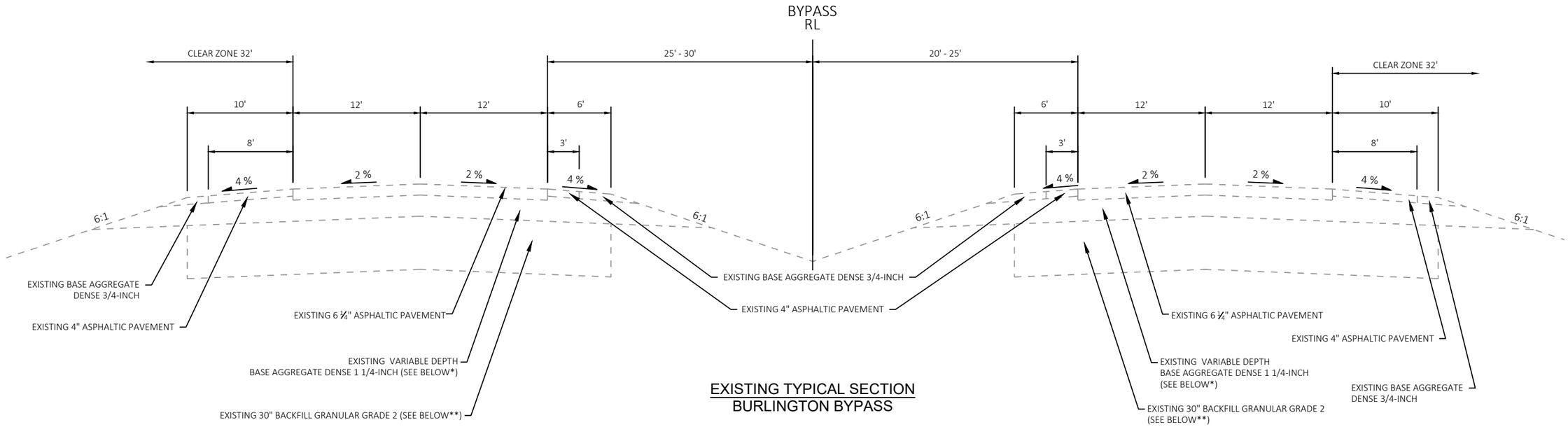
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	GENERAL NOTES AND UTILITY CONTACTS	SHEET 3	E



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - PO1
PLOT DATE : 1/31/2022 12:31 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:1300 FT
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION
BURLINGTON BYPASS

STA 1124'B'+30 TO STA 1132'B'+13, LT
STA 1142'B'+94 TO STA 1388'B'+88, LT
STA 1393'B'+35 TO STA 1429'B'+43, LT

STA 1124'B'+40 TO STA 1132'B'+44, RT
STA 1143'B'+01 TO STA 1389'B'+49, RT
STA 1394'B'+23 TO STA 1428'B'+03, RT

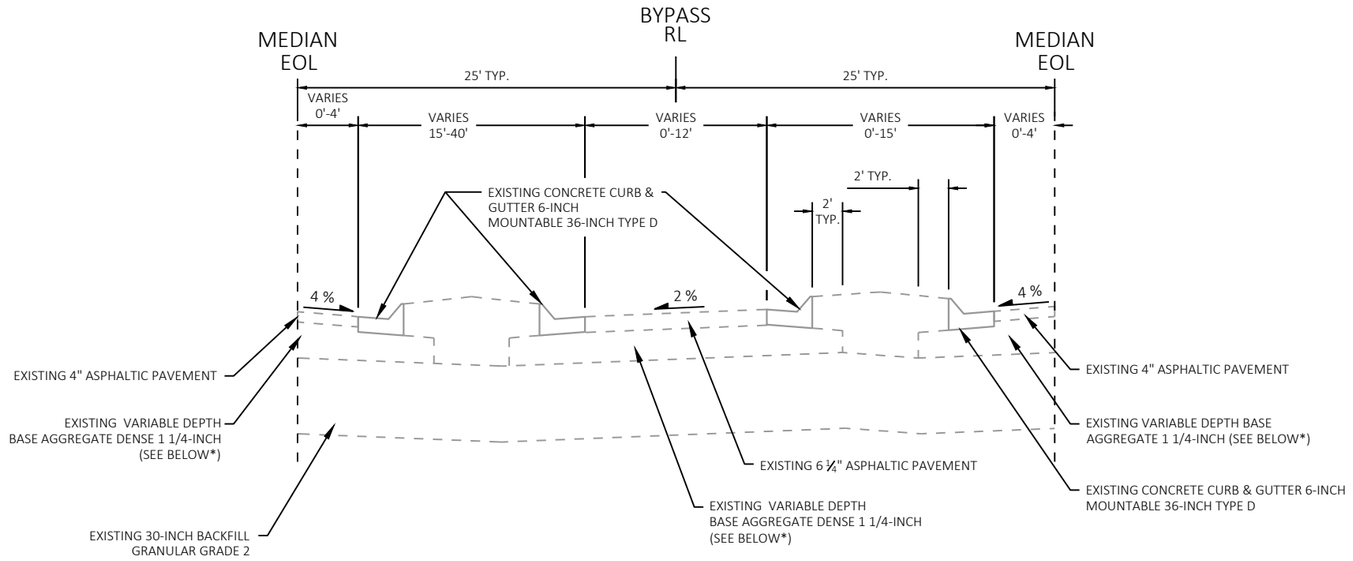
* VARIABLE DEPTH BASE AGGREGATE DENSE 1 1/4-INCH

9 1/2" THICKNESS	12" THICKNESS	15 1/2" THICKNESS
STA 1184'B'+00 TO STA 1408'B'+00, LT	STA 1124'B'+30 TO STA 1184'B'+00, LT	STA 1408'B'+00 TO 1429'B'+43, LT
STA 1184'B'+00 TO STA 1415'B'+00, RT	STA 1124'B'+40 TO STA 1184'B'+00, RT	STA 1415'B'+00 TO STA 1428'B'+03, RT

** STA 1357'B'+44.16 TO STA 1379'B'+09.15
12" BACKFILL GRANULAR GRADE 2 OVER
18" BASE AGGREGATE OPEN 2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 5	E

2

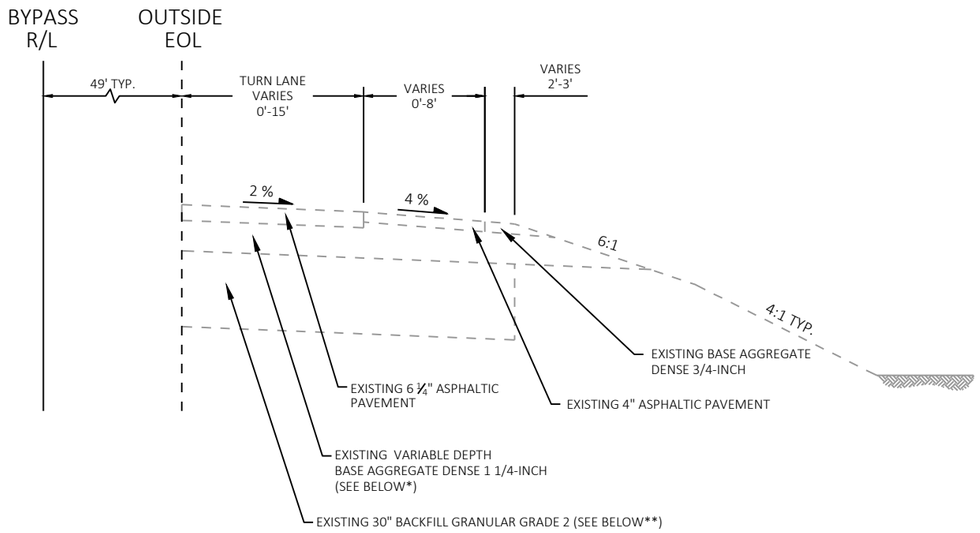


EXISTING TYPICAL SECTION
BURLINGTON BYPASS
LEFT TURN LANE

LOOKING SOUTH	LOOKING NORTH
STA 1125'B'+90 TO STA 1131'B'+85	STA 1124'B'+25 TO STA 1125'B'+10
STA 1279'B'+52 TO STA 1287'B'+68	STA 1271'B'+11 TO STA 1278'B'+92

* VARIABLE DEPTH BASE AGGREGATE DENSE 1 1/4-INCH

9 1/2" THICKNESS	12" THICKNESS	15 1/2" THICKNESS
STA 1184'B'+00 TO STA 1408'B'+00, LT	STA 1124'B'+30 TO STA 1184'B'+00, LT	STA 1408'B'+00 TO 1429'B'+43, LT
STA 1184'B'+00 TO STA 1415'B'+00, RT	STA 1124'B'+40 TO STA 1184'B'+00, RT	STA 1415'B'+00 TO STA 1428'B'+03, RT

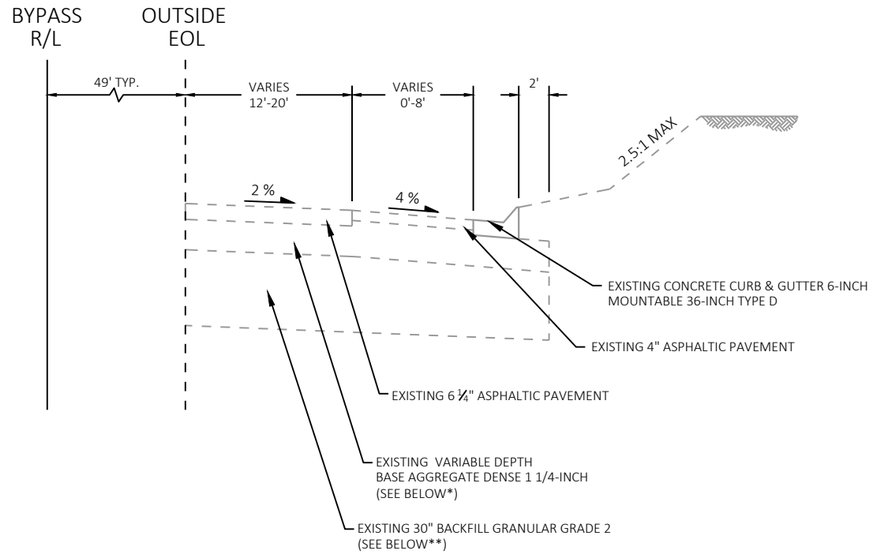


EXISTING TYPICAL SECTION
BURLINGTON BYPASS
RIGHT TURN LANES AND AUXILIARY LANES

LOOKING SOUTH	LOOKING NORTH
STA 1127'B'+66 TO STA 1131'B'+91, LT	STA 1126'B'+94 TO STA 1127'B'+90, RT
STA 1164'B'+59 TO STA 1172'B'+01, LT	STA 1165'B'+91 TO STA 1170'B'+78, RT
STA 1178'B'+24 TO STA 1183'B'+03, LT	STA 1178'B'+24 TO STA 1184'B'+18, RT
STA 1276'B'+76 TO STA 1277'B'+92, LT	STA 1274'B'+46 TO STA 1277'B'+66, RT
STA 1280'B'+79 TO STA 1284'B'+81, LT	STA 1280'B'+59 TO STA 1281'B'+51, RT
STA 1358'B'+57 TO STA 1367'B'+47, LT	STA 1357'B'+77 TO STA 1362'B'+43, RT
STA 1369'B'+60 TO STA 1371'B'+98, LT	STA 1369'B'+50 TO STA 1377'B'+94, RT
STA 1374'B'+63 TO STA 1378'B'+93, LT	

* VARIABLE DEPTH BASE AGGREGATE DENSE 1 1/4-INCH

9 1/2" THICKNESS	12" THICKNESS	15 1/2" THICKNESS
STA 1184'B'+00 TO STA 1408'B'+00, LT	STA 1124'B'+30 TO STA 1184'B'+00, LT	STA 1408'B'+00 TO 1429'B'+43, LT
STA 1184'B'+00 TO STA 1415'B'+00, RT	STA 1124'B'+40 TO STA 1184'B'+00, RT	STA 1415'B'+00 TO STA 1428'B'+03, RT

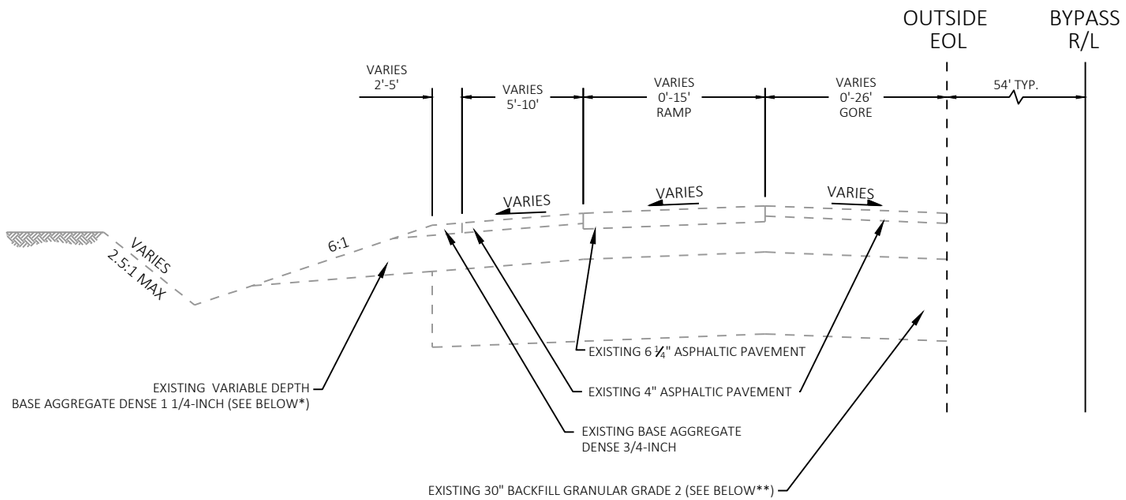


EXISTING TYPICAL SECTION
BURLINGTON BYPASS
AUXILIARY LANES WITH CURB & GUTTER

LOOKING SOUTH	LOOKING NORTH
STA 1172'B'+01 TO STA 1175'B'+81, LT	STA 1173'B'+23 TO STA 1178'B'+24, RT
STA 1367'B'+47 TO STA 1369'B'+60, LT	STA 1364'B'+85 TO STA 1369'B'+50, RT

** STA 1357'B'+44.16 TO STA 1379'B'+09.15
12" BACKFILL GRANULAR GRADE 2 OVER
18" BASE AGGREGATE OPEN 2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 7	E



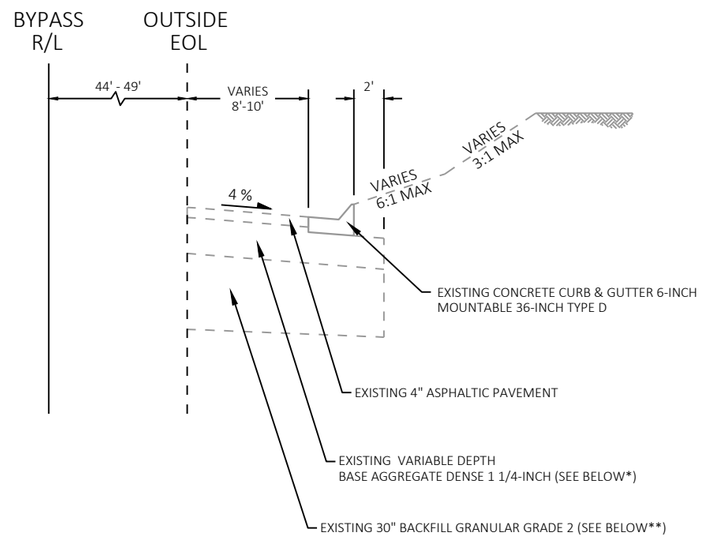
EXISTING TYPICAL SECTION
BURLINGTON BYPASS
RAMPS

LOOKING NORTH
STA 1381'B'+20 TO STA 1388'B'+88, LT
STA 1393'B'+35 TO STA 1398'B'+27, LT
STA 1408'B'+95 TO STA 1429'B'+43, LT

LOOKING SOUTH
STA 1415'B'+39 TO STA 1428'B'+03, RT

* VARIABLE DEPTH BASE AGGREGATE DENSE 1 1/4-INCH

9 1/2" THICKNESS	12" THICKNESS	15 1/2" THICKNESS
STA 1184'B'+00 TO STA 1408'B'+00, LT	STA 1124'B'+30 TO STA 1184'B'+00, LT	STA 1408'B'+00 TO 1429'B'+43, LT
STA 1184'B'+00 TO STA 1415'B'+00, RT	STA 1124'B'+40 TO STA 1184'B'+00, RT	STA 1415'B'+00 TO STA 1428'B'+03, RT



EXISTING TYPICAL SECTION
BURLINGTON BYPASS
CURB & GUTTER SHOULDER

LOOKING SOUTH
STA 1154'B'+03 TO STA 1156'B'+23, LT
STA 1176'B'+48 TO STA 1177'B'+51, LT
STA 1372'B'+60 TO STA 1373'B'+38, LT
STA 1404'B'+52 TO STA 1405'B'+50, LT

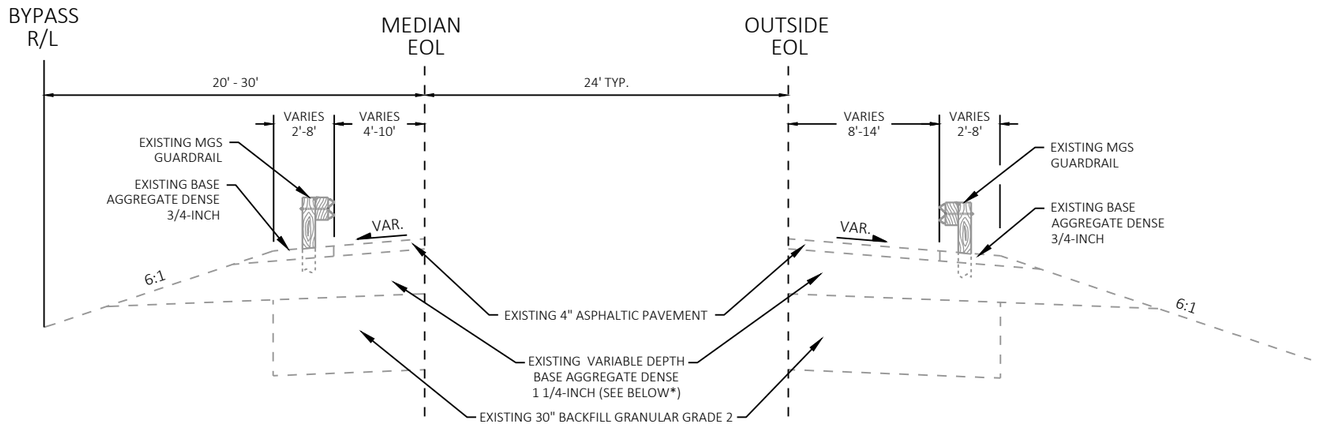
LOOKING NORTH
STA 1153'B'+99 TO STA 1156'B'+21, RT
STA 1159'B'+46 TO STA 1164'B'+50, RT
STA 1171'B'+51 TO STA 1172'B'+56, RT
STA 1363'B'+49 TO STA 1364'B'+20, RT
STA 1405'B'+29 TO STA 1409'B'+42, RT

** STA 1357'B'+44.16 TO STA 1379'B'+09.15
12" BACKFILL GRANULAR GRADE 2 OVER
18" BASE AGGREGATE OPEN 2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 8	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 04
PLOT DATE : 2/28/2022 3:22 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION

BURLINGTON BYPASS
SHOULDERS WITH BEAM GUARD

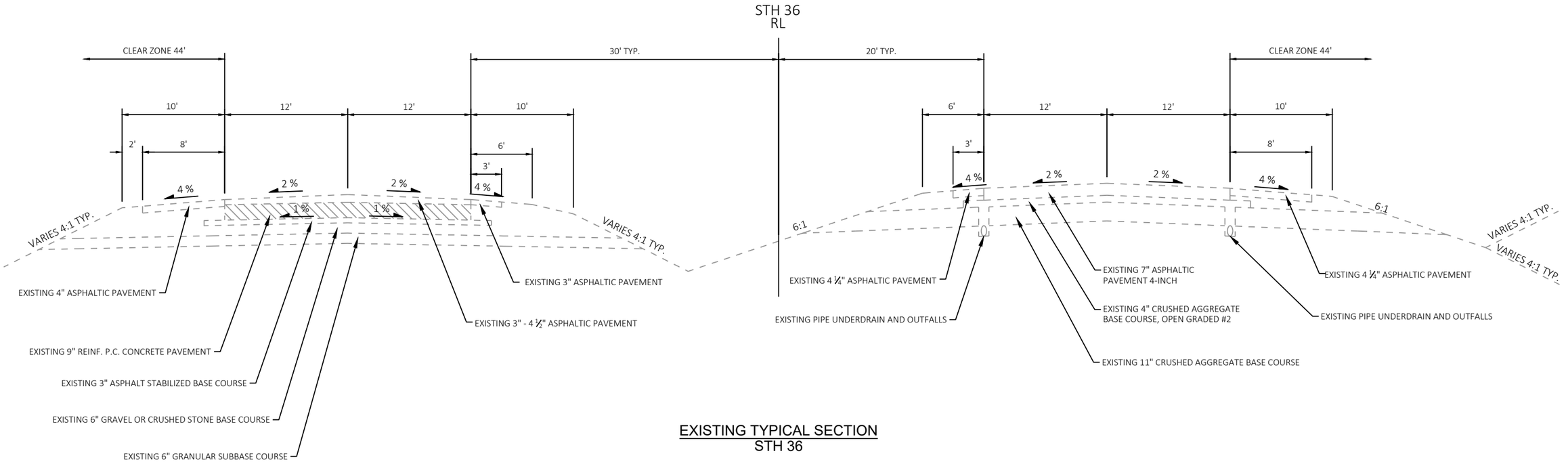
LOOKING SOUTH	LOOKING NORTH
STA 1142'B'+96 TO STA 1145'B'+87, LT	STA 1130'B'+05 TO STA 1132'B'+37, RT
STA 1393'B'+45 TO STA 1397'B'+22, LT	STA 1386'B'+34 TO STA 1389'B'+43, RT
STA 1405'B'+46 TO STA 1413'B'+75, LT	STA 1402'B'+80 TO STA 1412'B'+46, RT
	STA 1426'B'+07 TO STA 1428'B'+03, RT

LOOKING SOUTH	LOOKING NORTH
STA 1143'B'+02 TO STA 1147'B'+05, LT	STA 1129'B'+00 TO STA 1132'B'+50, RT
STA 1393'B'+06 TO STA 1396'B'+69, LT	STA 1143'B'+04 TO STA 1145'B'+67, RT
STA 1405'B'+50 TO STA 1408'B'+95, LT	STA 1386'B'+90 TO STA 1389'B'+69, RT
STA 1411'B'+00 TO STA 1414'B'+50, LT	STA 1403'B'+15 TO STA 1405'B'+29, RT
	STA 1425'B'+86 TO STA 1428'B'+03, RT

* VARIABLE DEPTH BASE AGGREGATE DENSE 1 1/4-INCH

9 1/2" THICKNESS	12" THICKNESS	15 1/2" THICKNESS
STA 1184'B'+00 TO STA 1408'B'+00, LT	STA 1124'B'+30 TO STA 1184'B'+00, LT	STA 1408'B'+00 TO 1429'B'+43, LT
STA 1184'B'+00 TO STA 1415'B'+00, RT	STA 1124'B'+40 TO STA 1184'B'+00, RT	STA 1415'B'+00 TO STA 1428'B'+03, RT

2

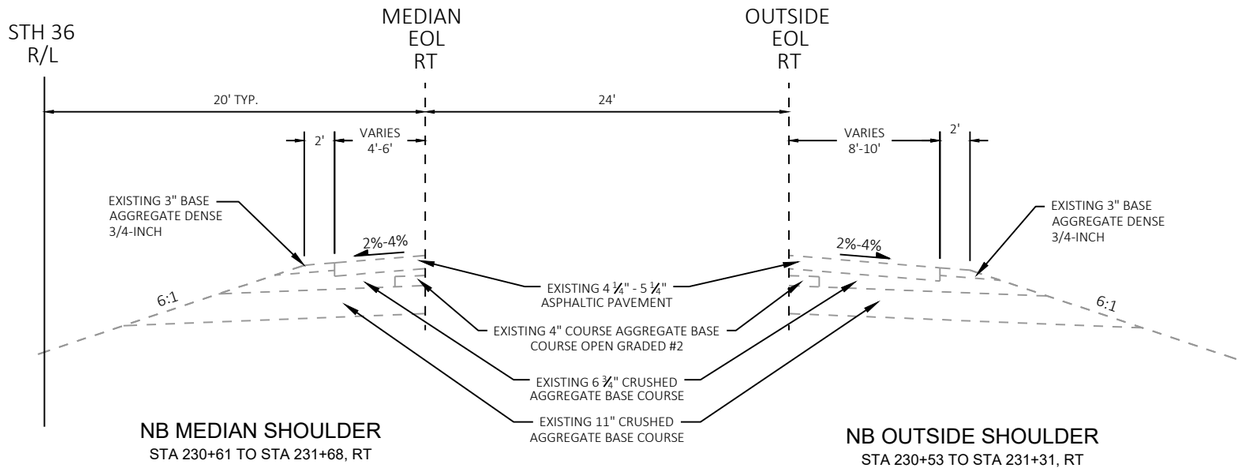


EXISTING TYPICAL SECTION
STH 36

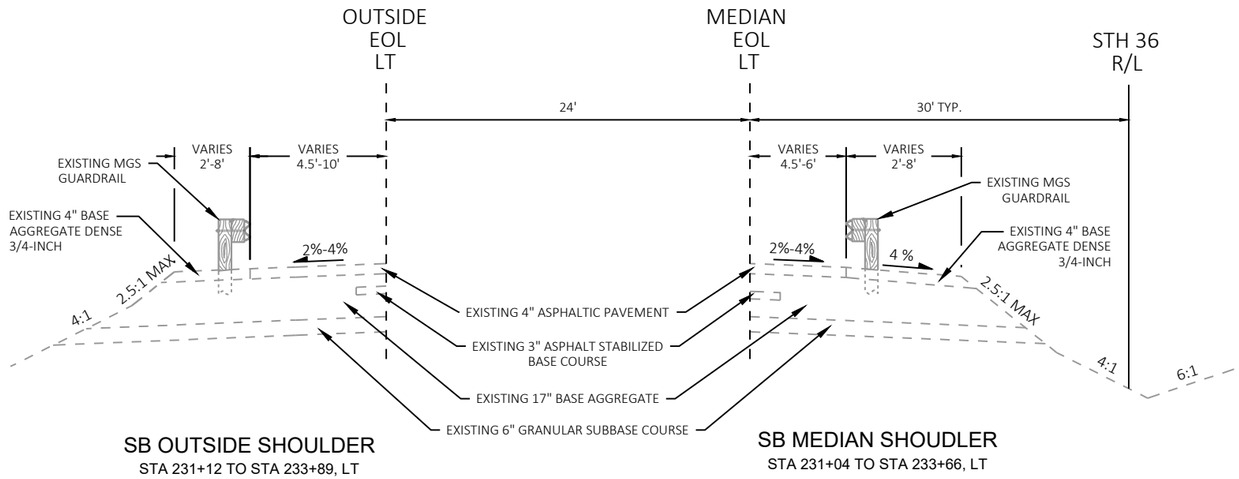
STA 231+12 TO STA 295+93, LT STA 230+61 TO STA 295+93, RT

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 10	E

2



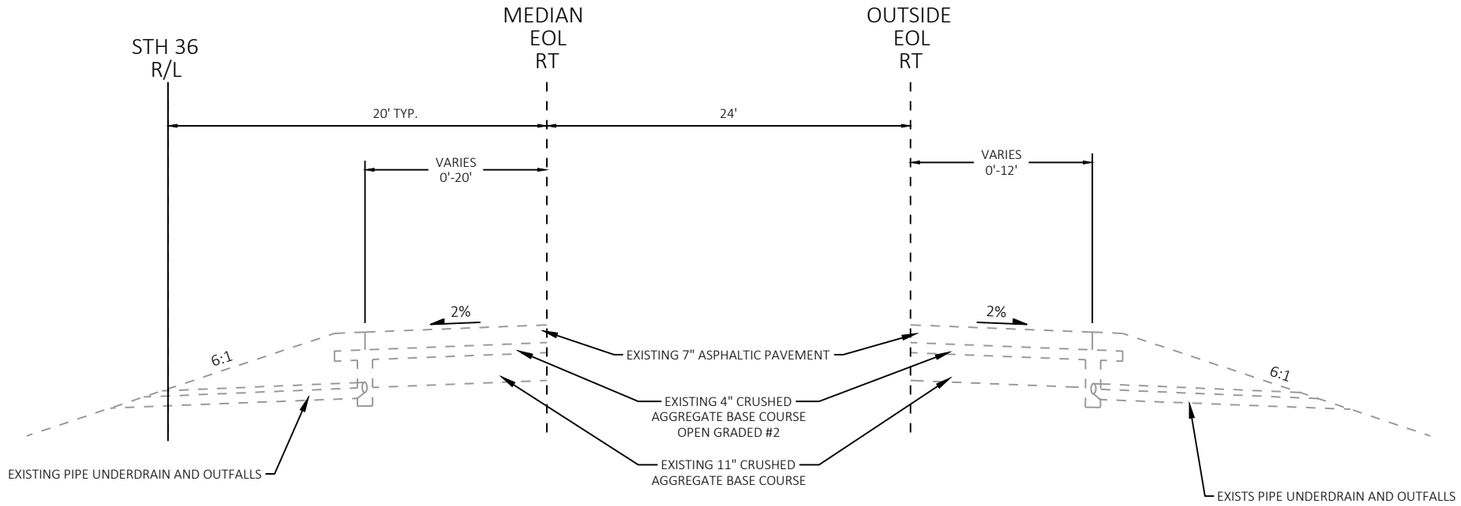
EXISTING TYPICAL SECTION
STH 36



EXISTING TYPICAL SECTION
STH 36

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 11	E

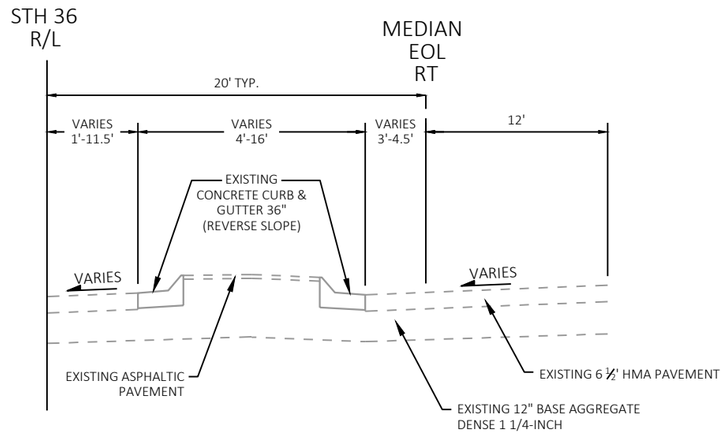
2



EXISTING TYPICAL SECTION
STH 36

NB LEFT TURN LANE AT RIVER ROAD AND CTH J
STA 235+83 TO STA 239+01, RT
STA 272+45 TO STA 275+89, RT

NB RIGHT TURN LANE AT RIVER ROAD AND CTH J
STA 234+64 TO STA 241+13, RT
STA 271+51 TO STA 278+75, RT

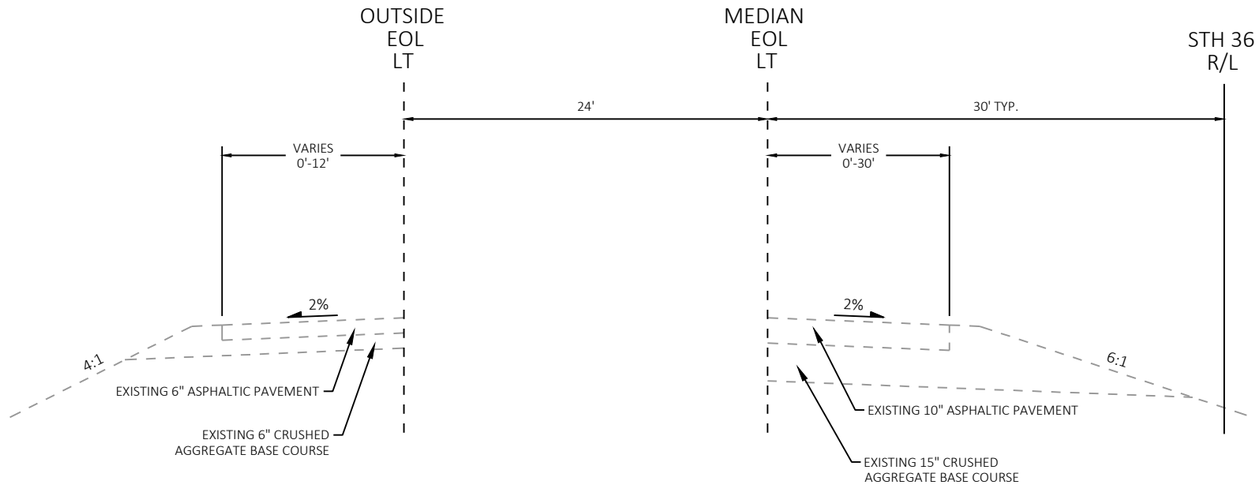


NB LEFT TURN ISLAND AT CTH J
STA 275+89 TO STA 276+16.50, RT

EXISTING TYPICAL SECTION
STH 36

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 12	E

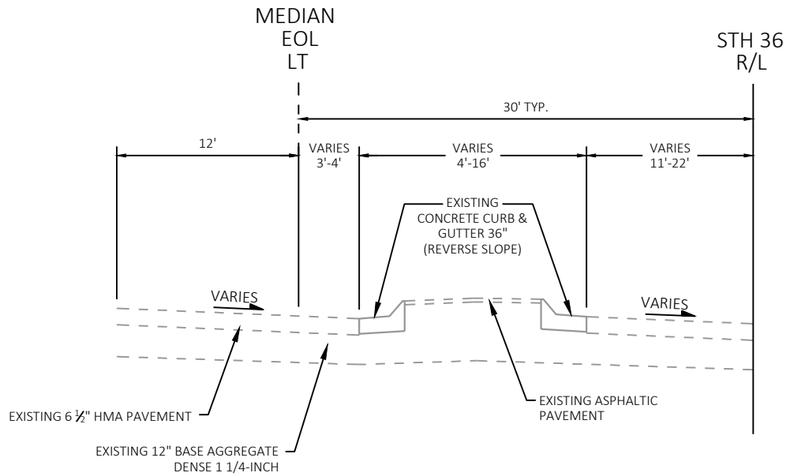
2



EXISTING TYPICAL SECTION
STH 36

SB RIGHT TURN LANE AT RIVER ROAD AND CTH J
STA 238+52 TO STA 245+15, LT
STA 274+87 TO STA 281+16, LT

SB LEFT TURN LANE AT RIVER ROAD AND CTH J
STA 240+56 TO STA 245+10, LT
STA 276+91 TO STA 280+58, LT



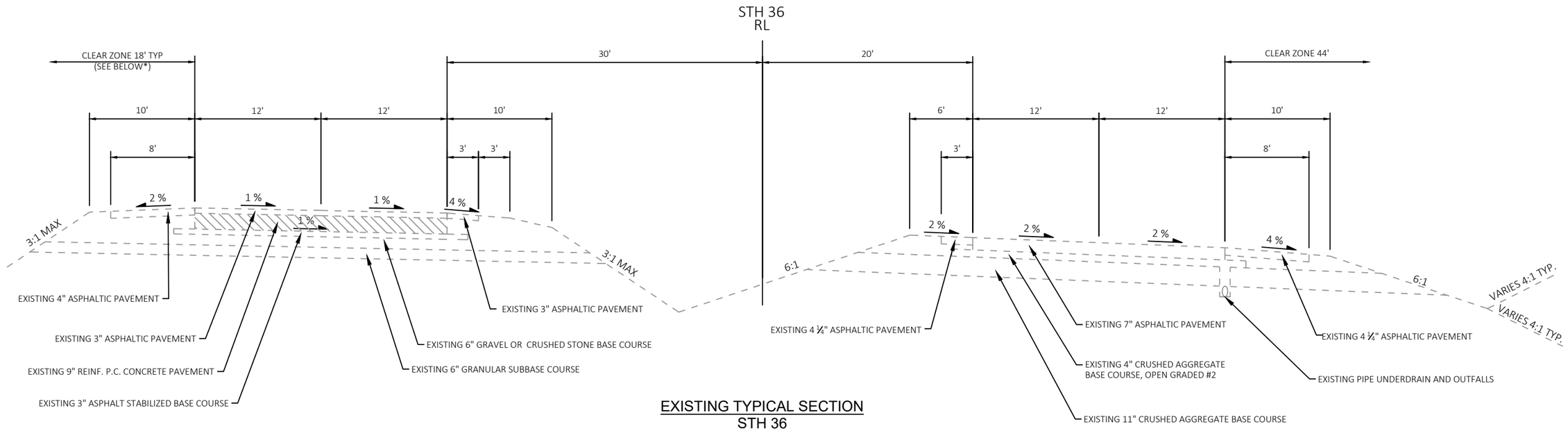
SB LEFT TURN ISLAND AT CTH J
STA 276+64 TO STA 276+91, LT

EXISTING TYPICAL SECTION
STH 36

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 13	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 09
PLOT DATE : 2/28/2022 3:22 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



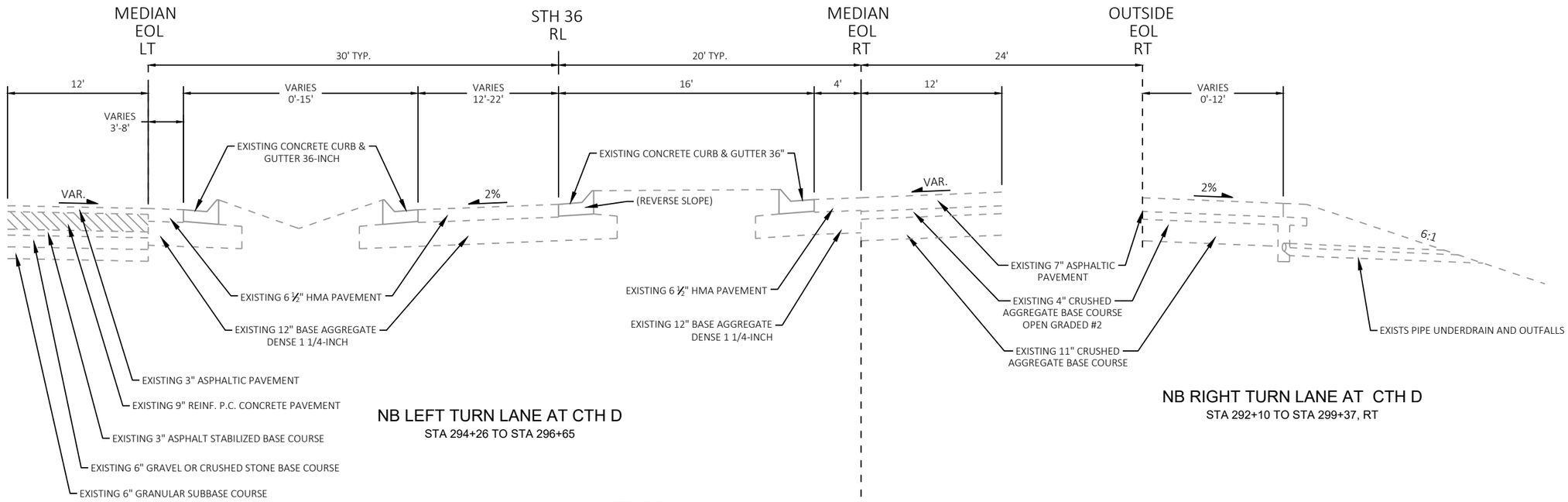
EXISTING TYPICAL SECTION
STH 36

STA 295+93 TO STA 319+30, LT
STA 321+93 TO STA 343+50, LT

STA 295+93 TO STA 320+36, RT
STA 323+02 TO STA 343+50, RT

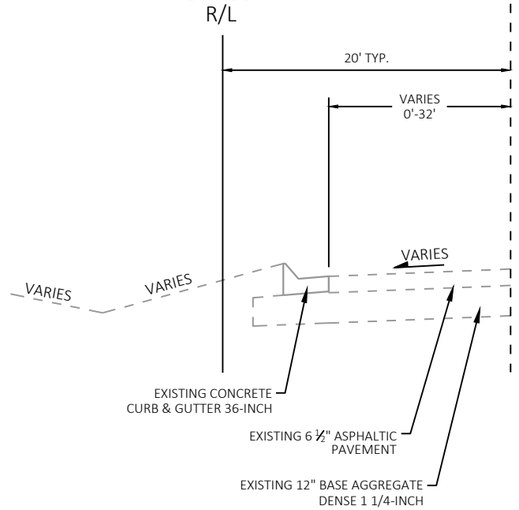
* CLEAR ZONE IS 44' FROM
STA 295+93 TO STA 300+81, LT

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 14	E



NB LEFT TURN LANE AT CTH D
STA 294+26 TO STA 296+65

NB RIGHT TURN LANE AT CTH D
STA 292+10 TO STA 299+37, RT

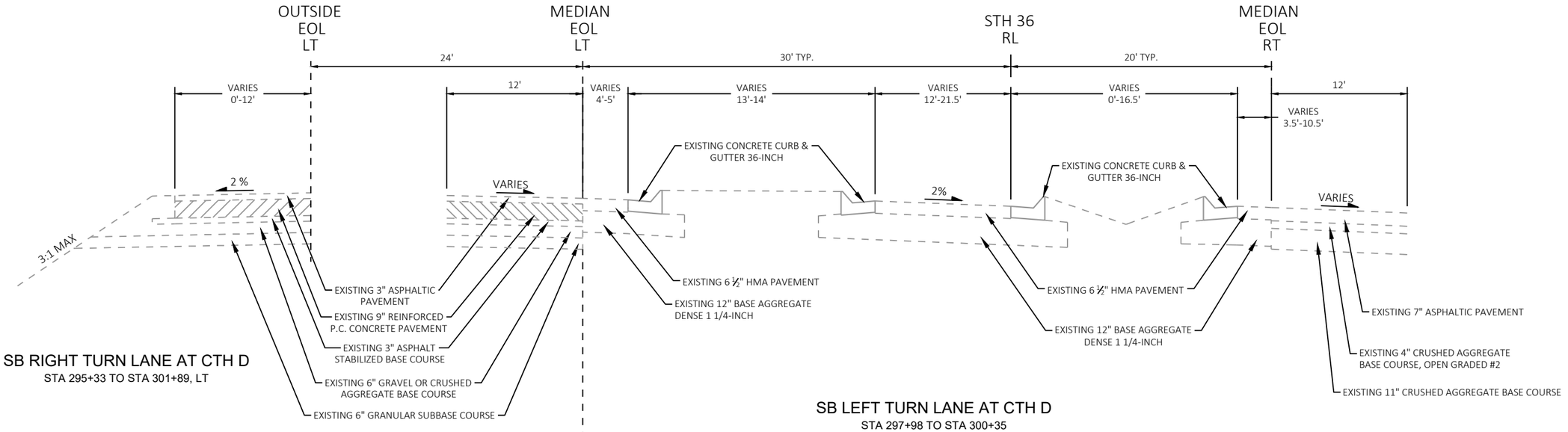


NB LEFT TURN LANE TAPER AT CTH D
STA 290+43 TO STA 294+26

EXISTING TYPICAL SECTION
STH 36

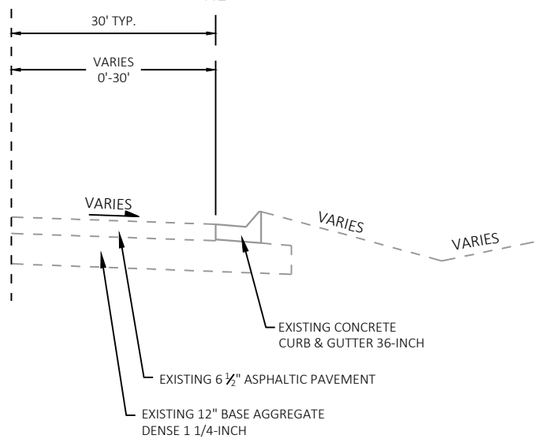
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 15	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 11
PLOT DATE : 2/28/2022 3:22 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



SB RIGHT TURN LANE AT CTH D
STA 295+33 TO STA 301+89, LT

SB LEFT TURN LANE AT CTH D
STA 297+98 TO STA 300+35

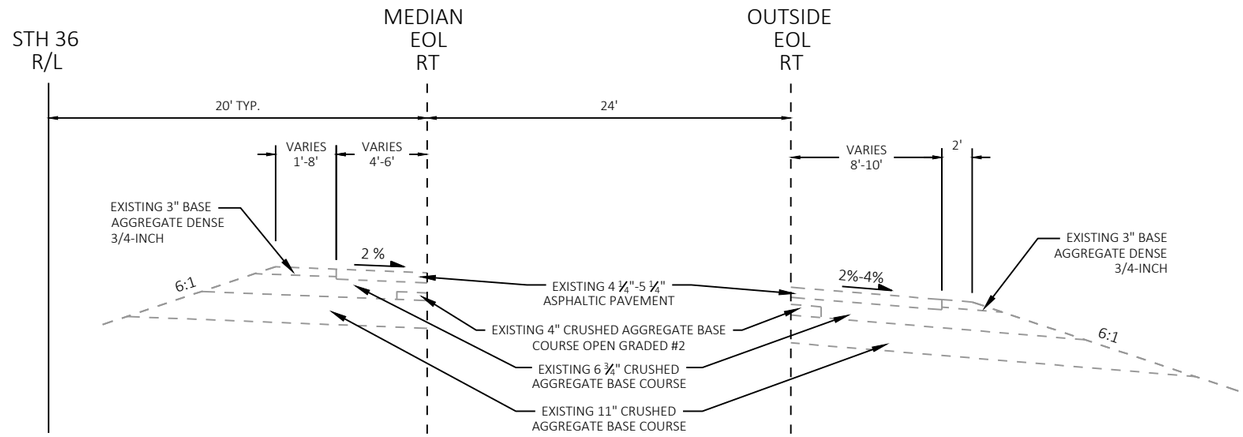


SB LEFT TURN TAPER AT CTH D
STA 300+35 TO STA 304+84

EXISTING TYPICAL SECTION
STH 36

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 16	E

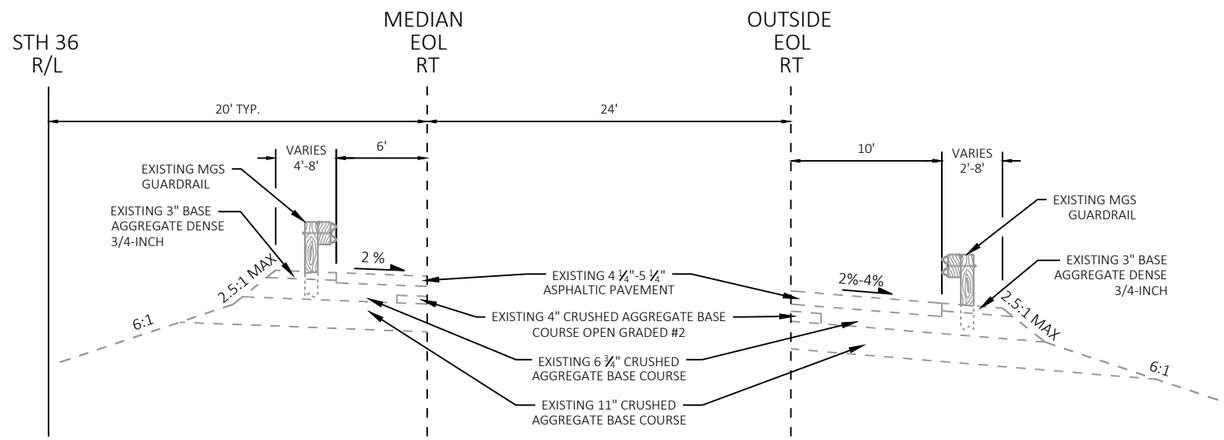
2



EXISTING TYPICAL SECTION
STH 36

NB MEDIAN SHOULDER
STA 316+85 TO STA 317+49, RT
STA 322+83 TO STA 326+87, RT

NB OUTSIDE SHOULDER
STA 317+99 TO STA 318+46, RT
STA 323+02 TO STA 324+16, RT



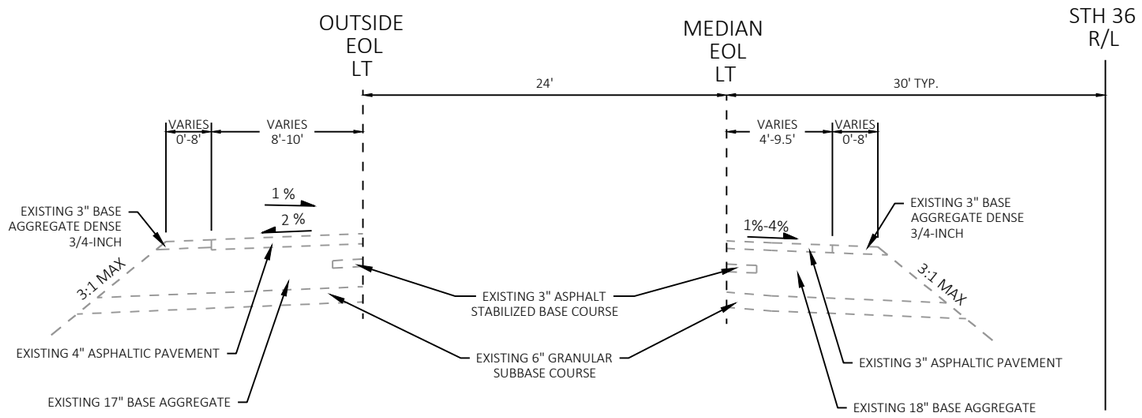
EXISTING TYPICAL SECTION
STH 36

NB MEDIAN SHOULDER
STA 317+49 TO STA 320+36, RT

NB OUTSIDE SHOULDER
STA 318+46 TO STA 320+55, RT

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 17	E

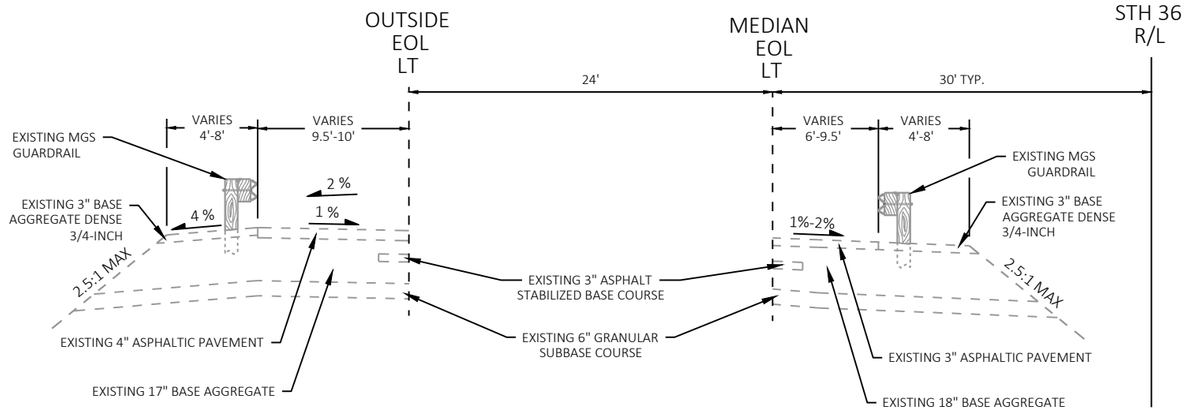
2



EXISTING TYPICAL SECTION
STH 36

SB OUTSIDE SHOULDER
STA 318+67 TO STA 319+30, LT
STA 323+13 TO STA 323+79, LT

SB MEDIAN SHOULDER
STA 316+37 TO STA 319+49, LT
STA 324+68 TO STA 325+24, LT

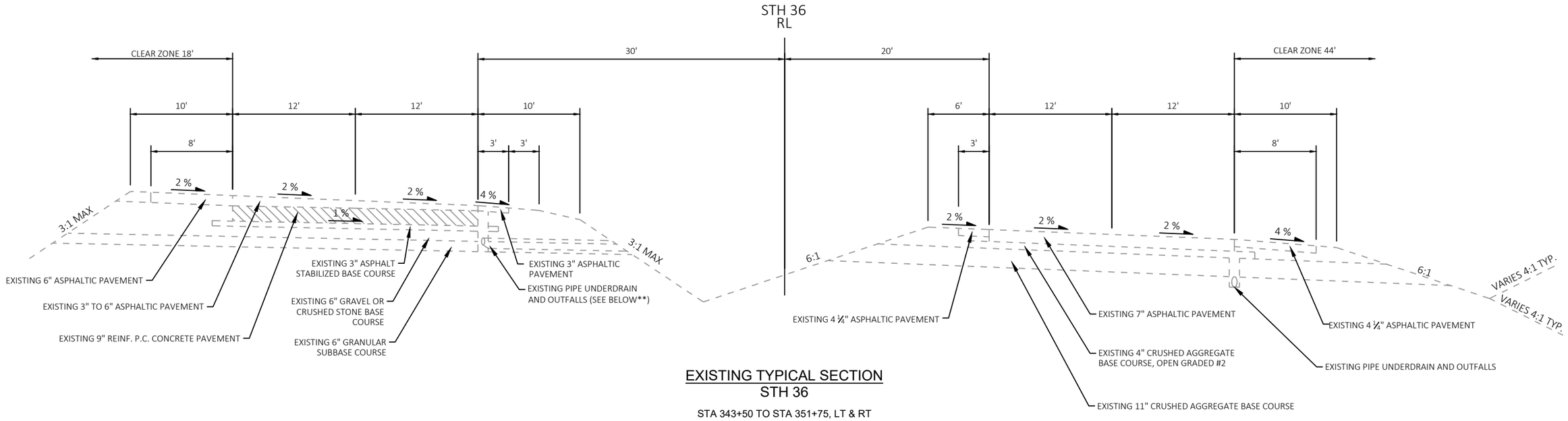


EXISTING TYPICAL SECTION
STH 36

SB OUTSIDE SHOULDER
STA 321+74 TO STA 323+13, LT

SB MEDIAN SHOULDER
STA 321+93 TO STA 324+68, LT

2



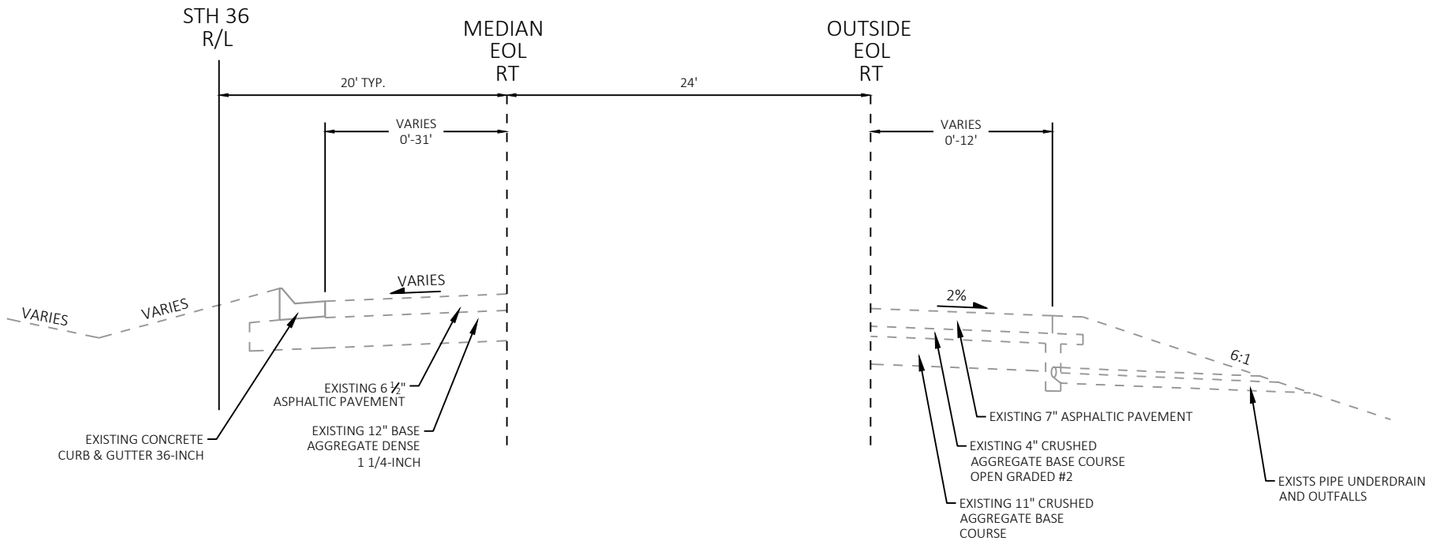
EXISTING TYPICAL SECTION
STH 36

STA 343+50 TO STA 351+75, LT & RT

** PIPE UNDERDRAIN EXISTS FROM STA 345+40 TO 351+75, LT

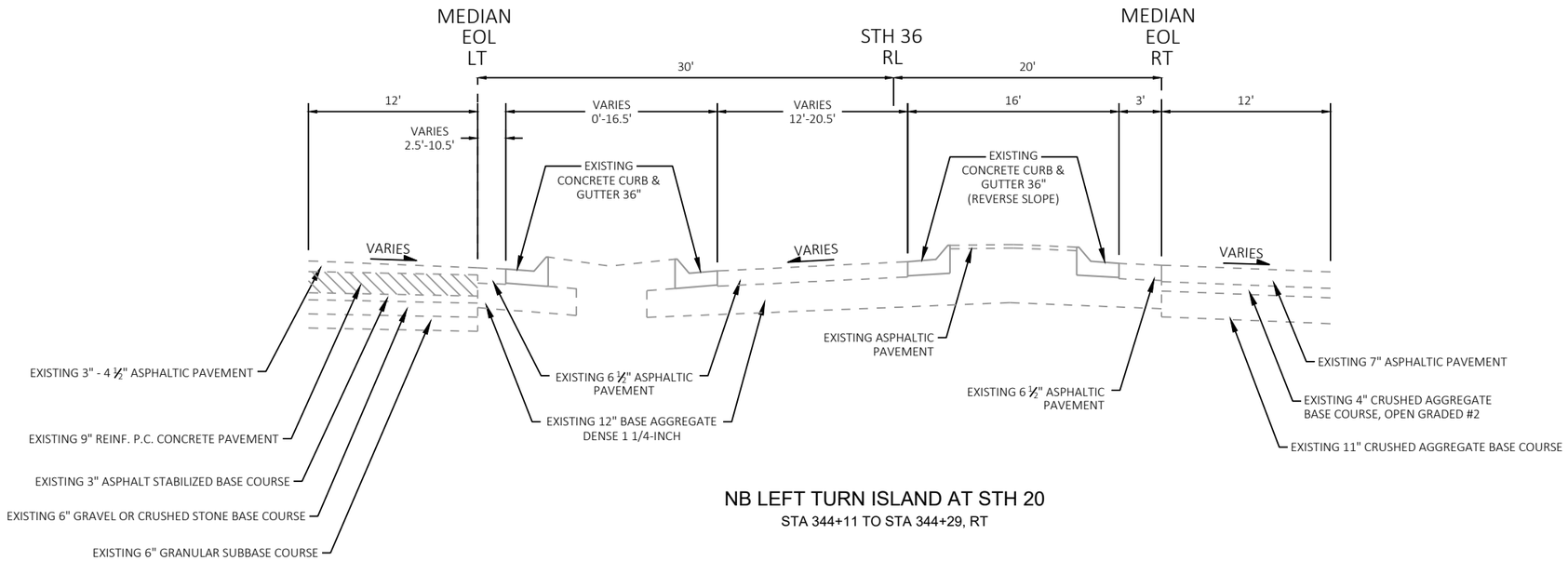
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 19	E

2



NB LEFT TURN LANE AT STH 20
STA 337+21 TO STA 344+11, RT

NB RIGHT TURN LANE AT STH 20
STA 339+98 TO STA 346+57, RT

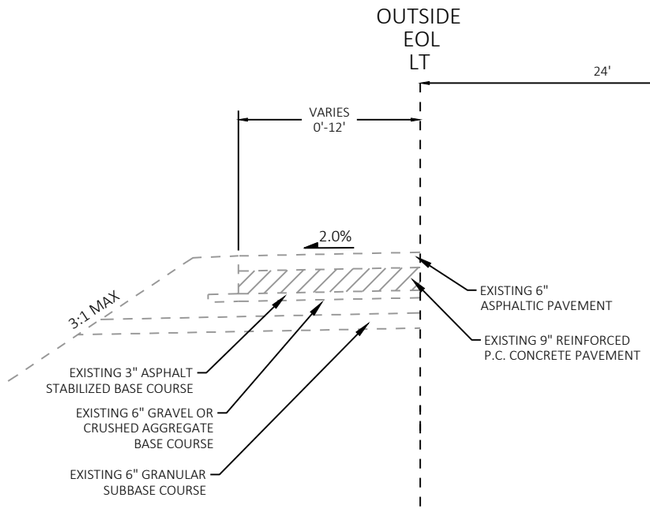


NB LEFT TURN ISLAND AT STH 20
STA 344+11 TO STA 344+29, RT

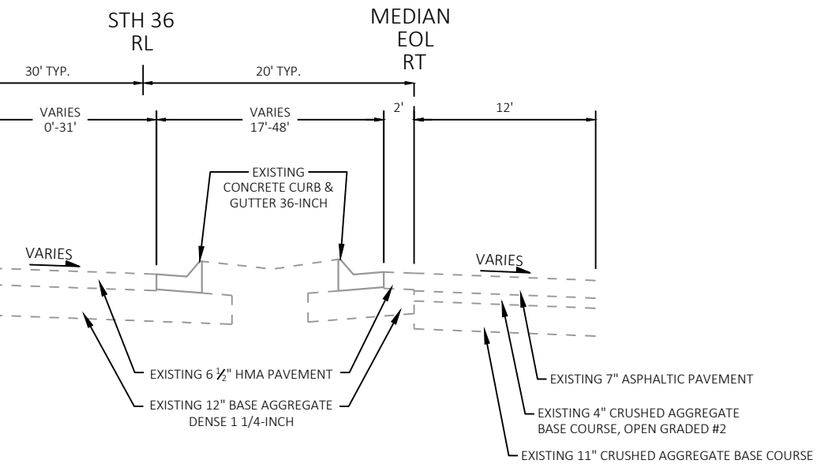
EXISTING TYPICAL SECTION
STH 36

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 20	E

2

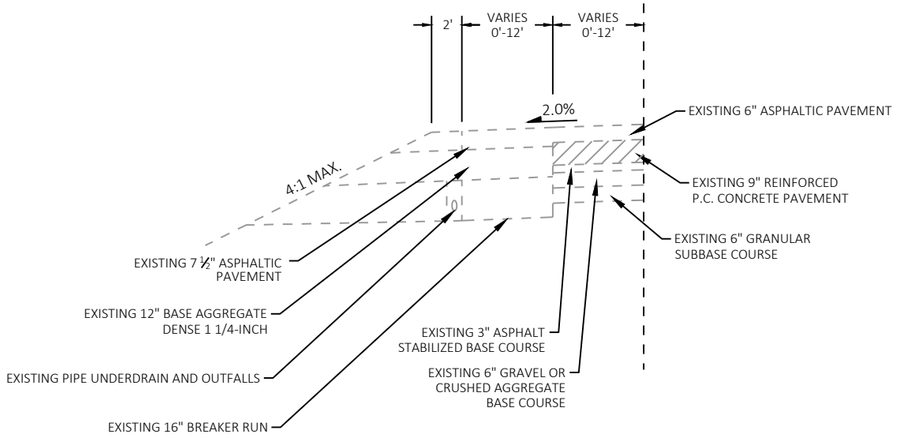


SB RIGHT TURN LANE AT STH 20
STA 343+21 TO STA 347+45, LT

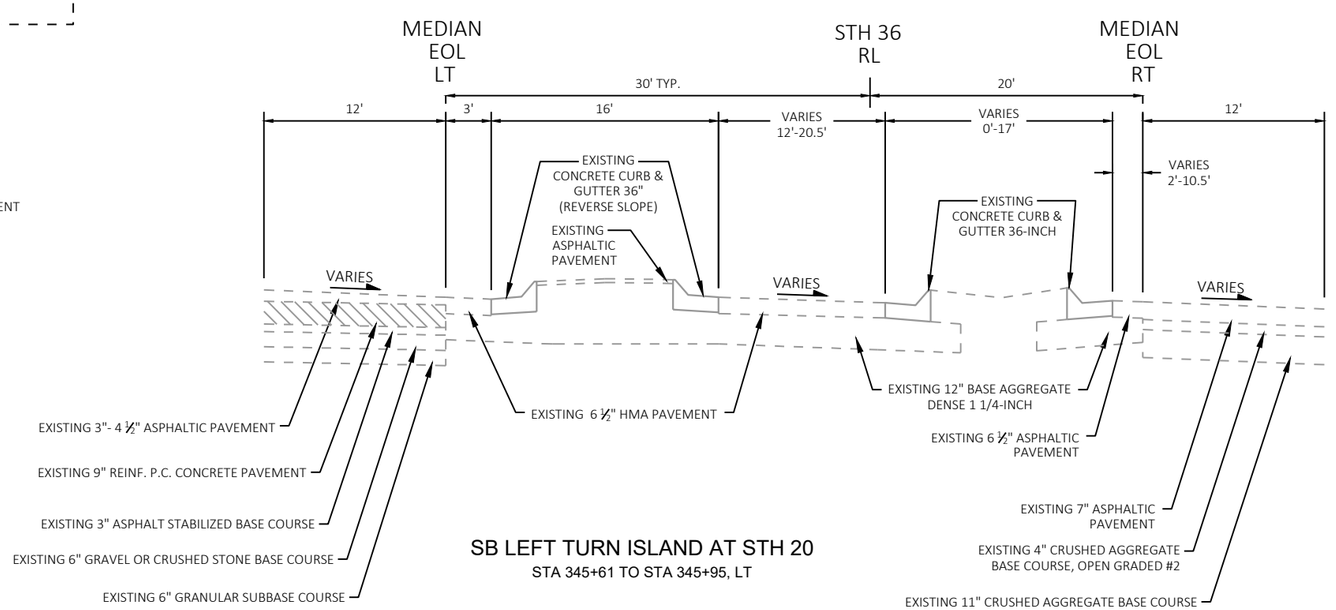


SB LEFT TURN LANE AT STH 20
STA 345+95 TO STA 351+75, LT STA 345+95 TO STA 349+52, RT

EXISTING TYPICAL SECTION
STH 36

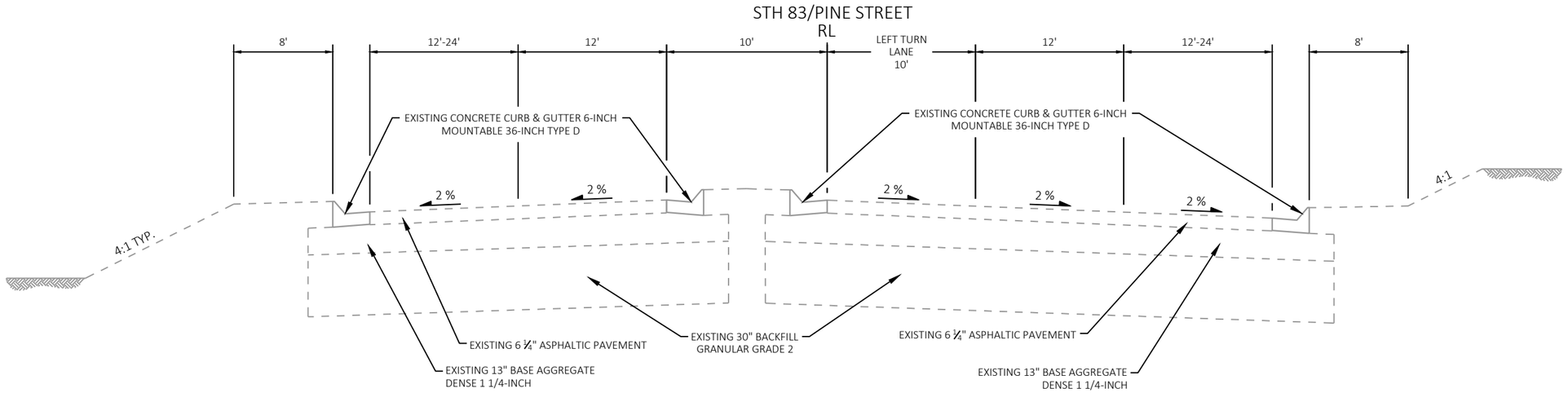


SB RIGHT TURN LANE AT STH 20
EXTENDED TURN LANE
STA 347+45 TO STA 350+01, LT



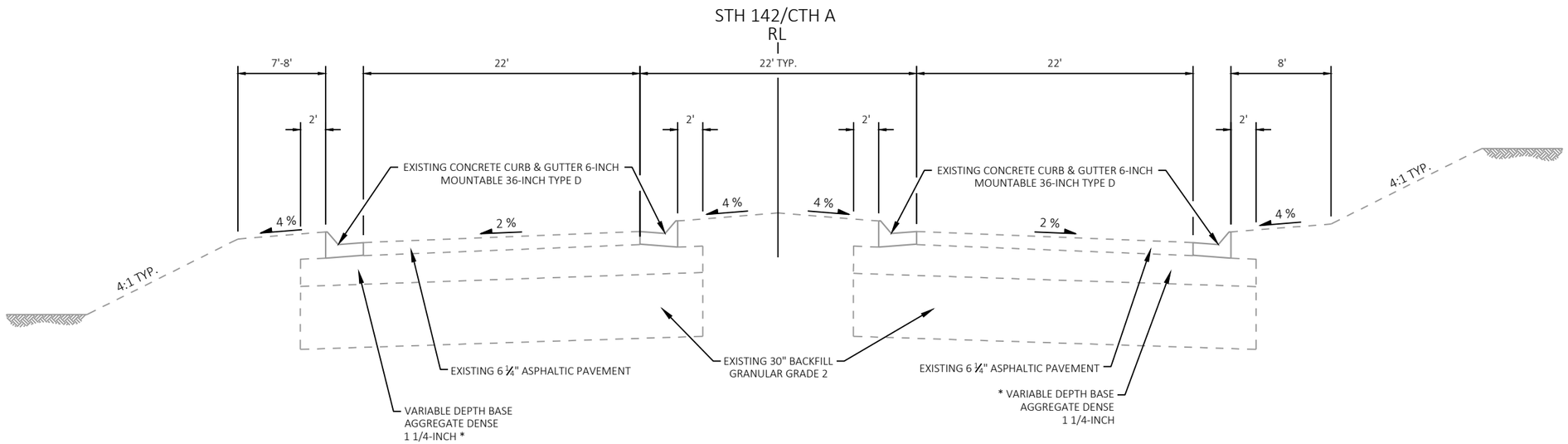
SB LEFT TURN ISLAND AT STH 20
STA 345+61 TO STA 345+95, LT

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 21	E



EXISTING TYPICAL SECTION
STH 83/PINE STREET

LOOKING SOUTH	LOOKING NORTH
STA 353+29 TO STA 353+96, RT	STA 350+92 TO STA 351+73, RT
STA 353+29 TO STA 354+17, LT	STA 351+06 TO STA 351+73, LT



EXISTING TYPICAL SECTION
STH 142 RAMPS

SW RAMP	NE RAMP
STA 39+53 TO STA 39+90, RT	STA 58+68 TO STA 59+81, RT
STA 39+74 TO STA 40+86, LT	STA 59+65 TO STA 60+01, LT

EXISTING TYPICAL SECTION
CTH A RAMPS

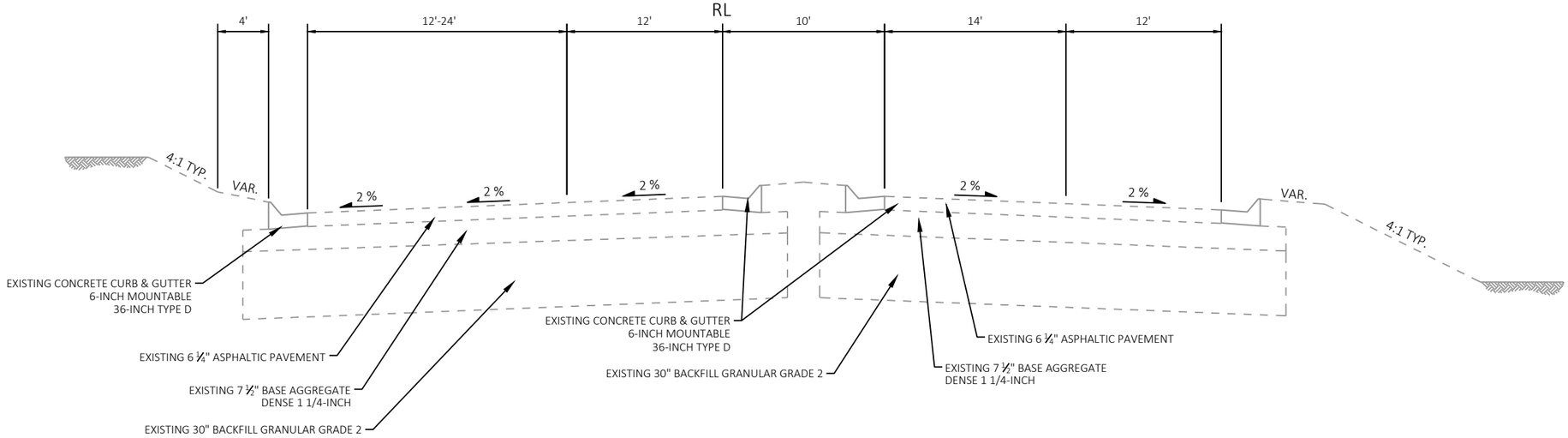
SE RAMP	NW RAMP
STA 39+67 TO STA 40+44, RT	STA 57+06 TO STA 58+12, RT
STA 39+67 TO STA 40+72, LT	STA 57+34 TO STA 58+14, LT

* STH 142 RAMPS: 12-INCH
CTH A RAMPS: 7 1/2-INCH

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 22	E

2

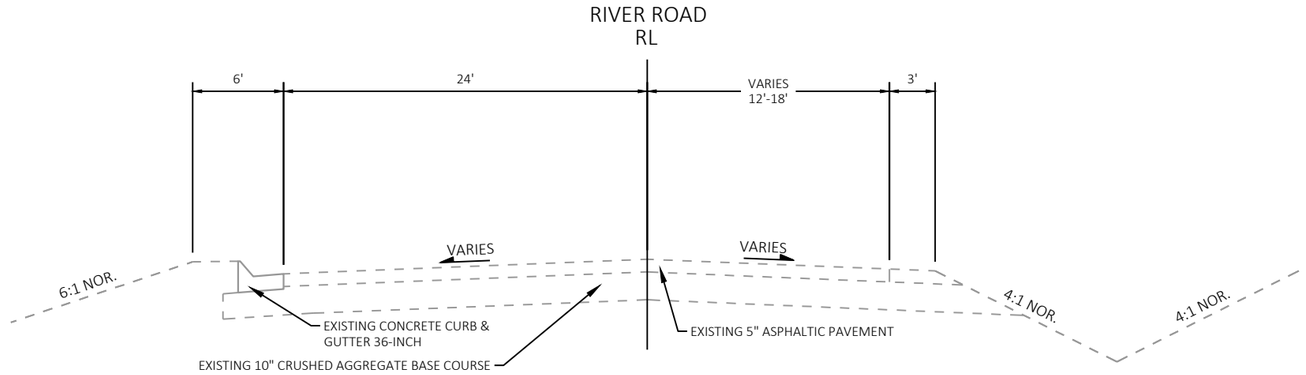
STH 11/CTH E
RL



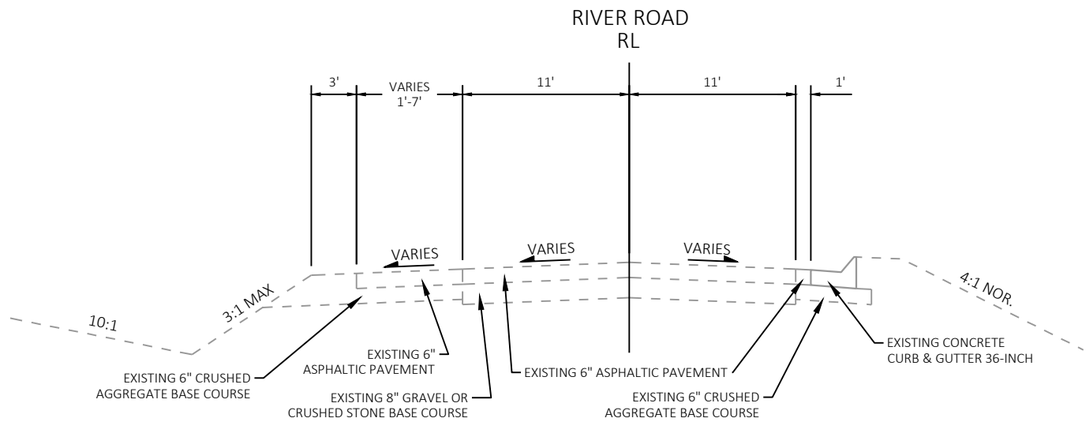
EXISTING TYPICAL SECTION
STH 11/CTH E

LOOKING WEST	LOOKING EAST
STA 126+55 TO STA 127+56, RT	STA 129+09 TO STA 129+70, RT
STA 126+95 TO STA 127+56, LT	STA 129+09 TO STA 130+10, LT

2



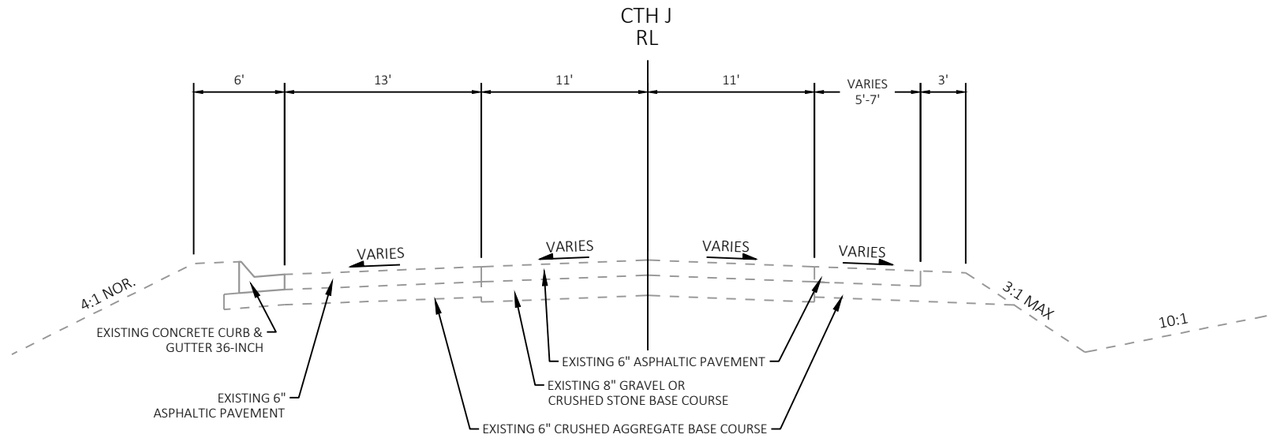
EXISTING TYPICAL SECTION
RIVER ROAD
STA 17+45 TO STA 18+15



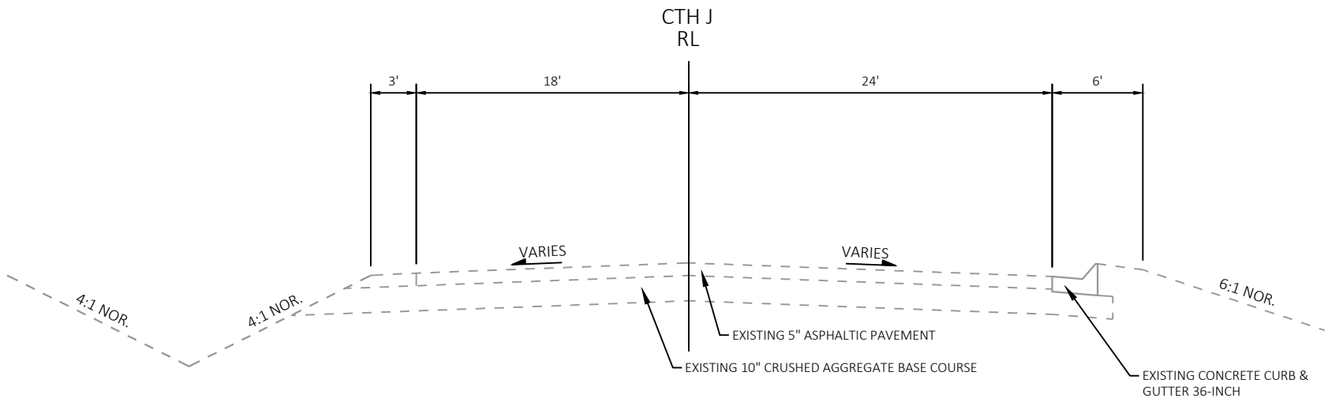
EXISTING TYPICAL SECTION
RIVER ROAD
STA 19+48 TO STA 20+54

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 24	E

2



EXISTING TYPICAL SECTION
CTH J
STA 18+80 TO STA 19+33

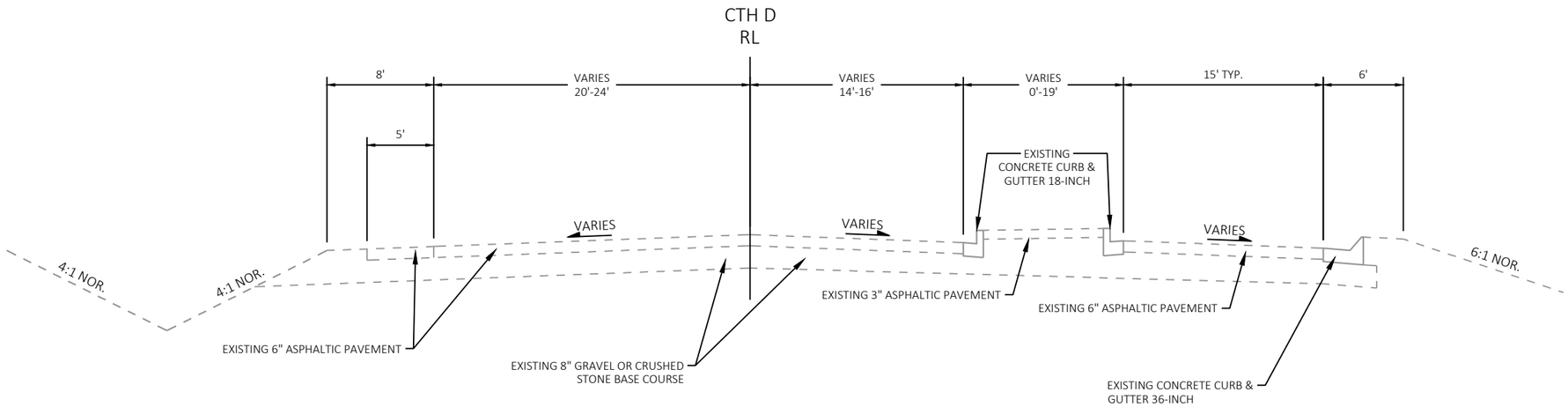


EXISTING TYPICAL SECTION
CTH J
STA 20+57 TO STA 21+09

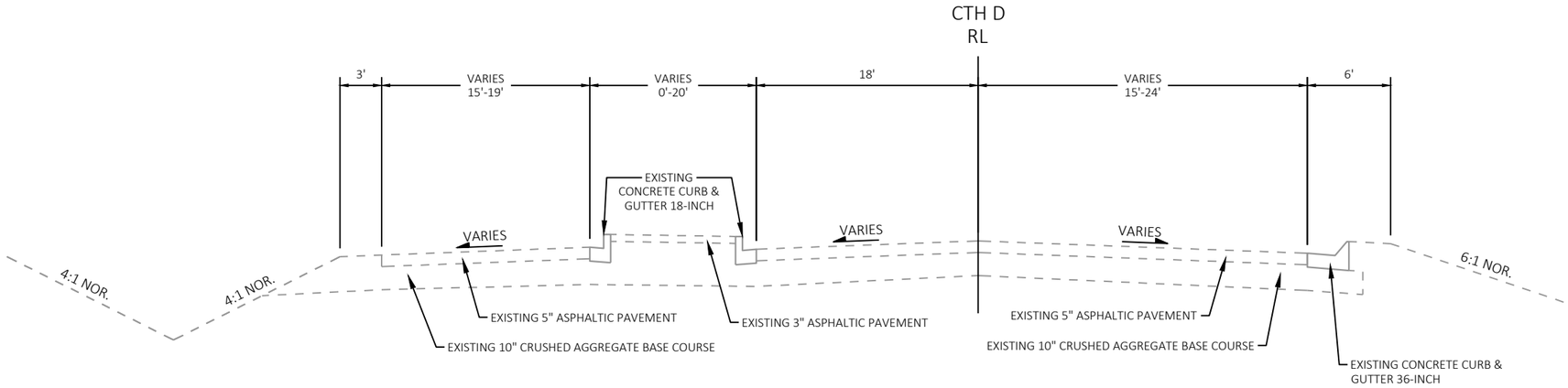
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EXISTING TYPICAL SECTIONS	SHEET 25	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 20
PLOT DATE : 2/28/2022 3:23 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

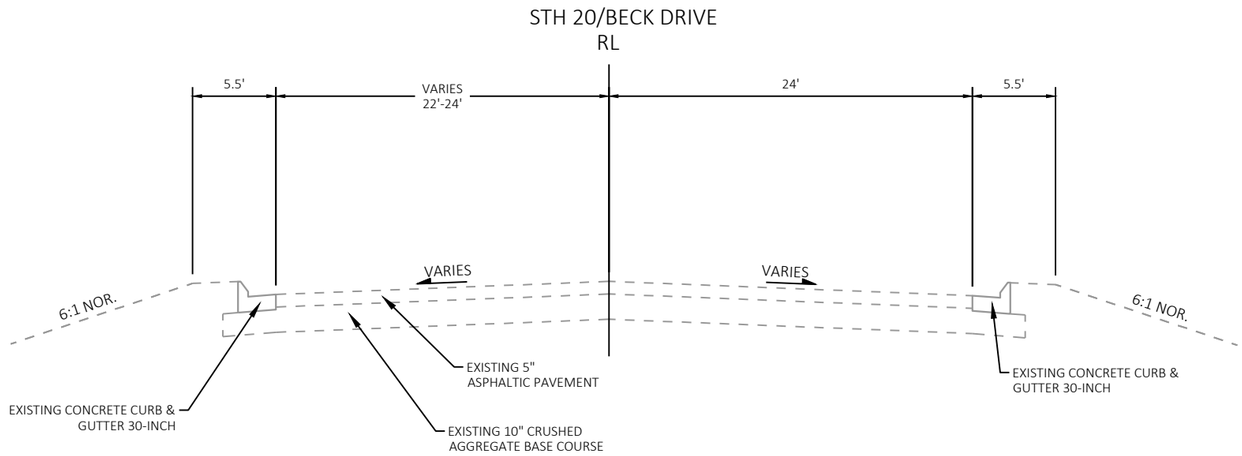


EXISTING TYPICAL SECTION
CTH D
STA 19+00 TO STA 19+76

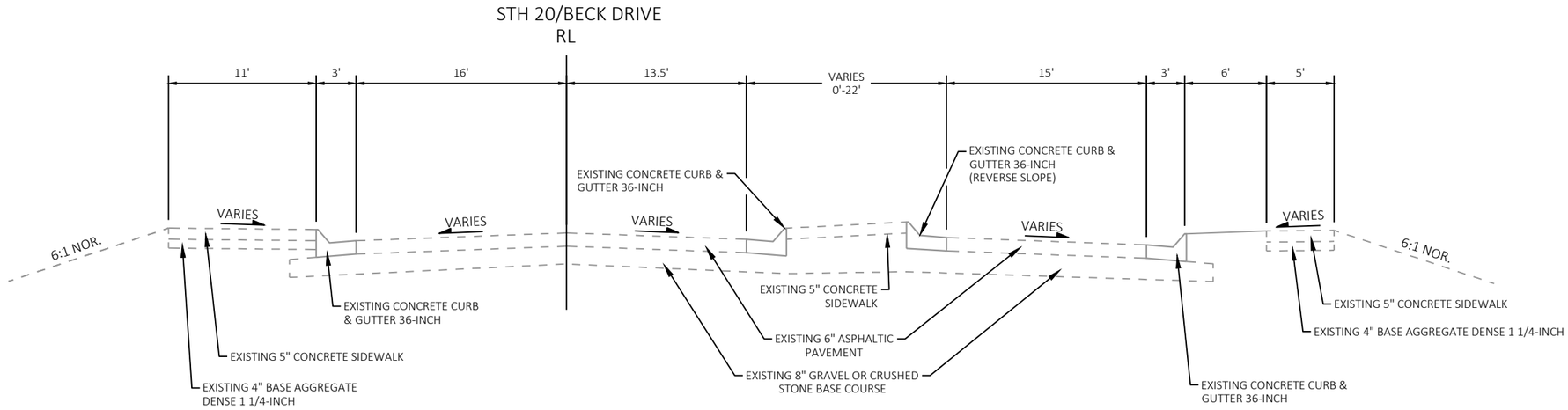


EXISTING TYPICAL SECTION
CTH D
STA 21+00 TO STA 21+91

2

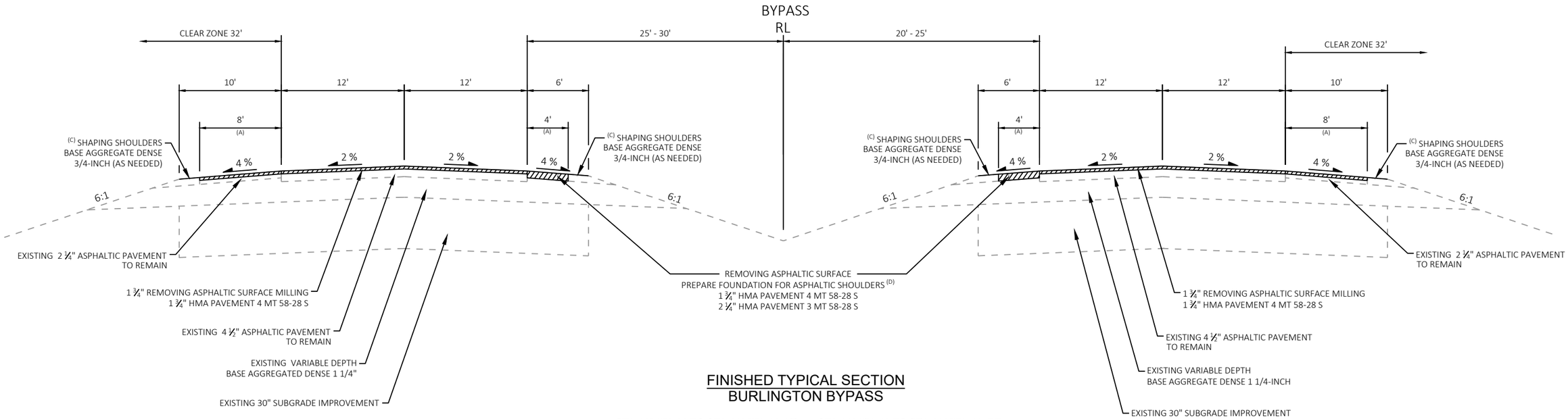


EXISTING TYPICAL SECTION
STH 20/BECK DRIVE
STA 102+12 TO STA 102+86



EXISTING TYPICAL SECTION
STH 20/BECK DRIVE
STA 404+35 TO STA 405+28

2



FINISHED TYPICAL SECTION
BURLINGTON BYPASS

STA 1124'B'+30 TO STA 1132'B'+13, LT
STA 1142'B'+94 TO STA 1388'B'+88, LT
STA 1393'B'+35 TO STA 1429'B'+43, LT

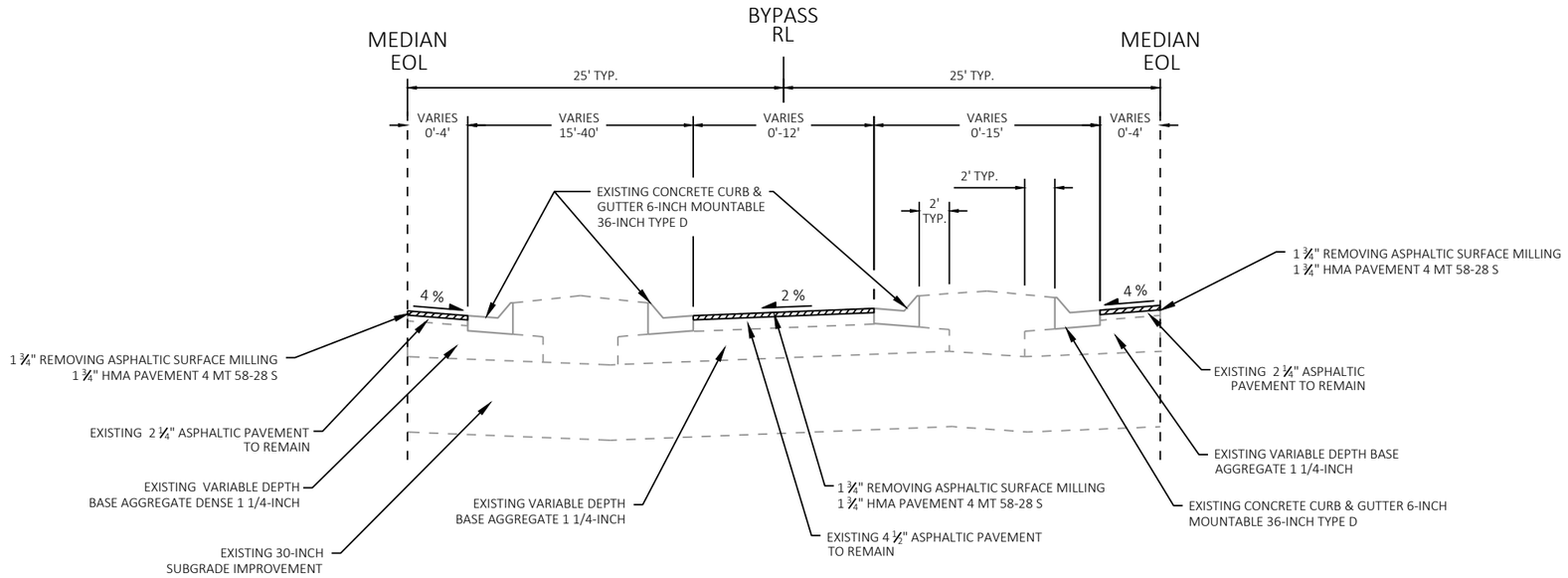
STA 1124'B'+40 TO STA 1132'B'+44, RT
STA 1143'B'+01 TO STA 1389'B'+49, RT
STA 1394'B'+23 TO STA 1428'B'+03, RT

(A) ASPHALTIC RUMBLE STRIP REQUIRED.

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

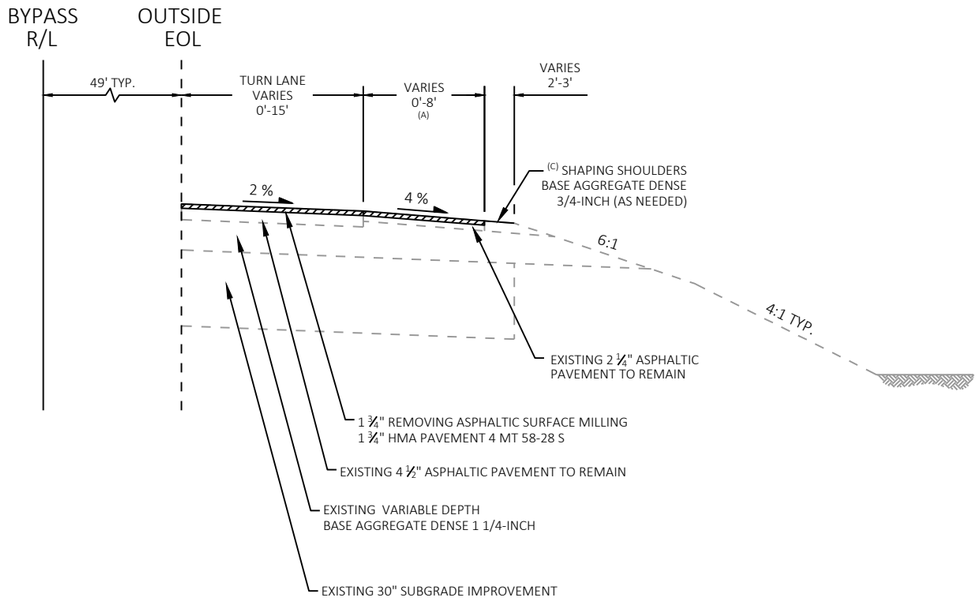
(D) BID ITEM TO BE USED IN LOCATIONS WHERE EXISTING SHOULDER AGGREGATE NEEDS TO BE REMOVED IN ORDER TO PLACE NEW PAVED SHOULDER. REMOVING EXISTING AGGREGATE IS INCLUDED IN THE COST OF THE ITEM.

2



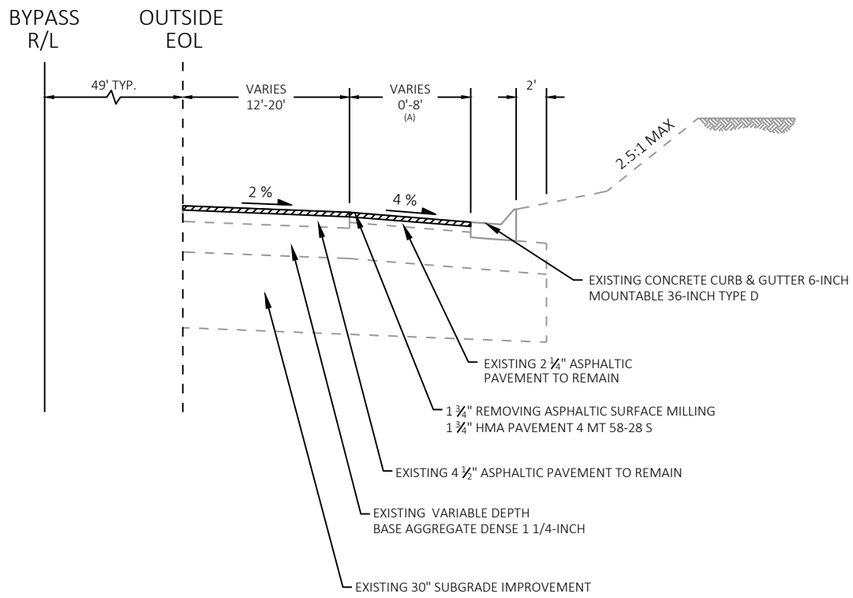
FINISHED TYPICAL SECTION
BURLINGTON BYPASS
LEFT TURN LANE

LOOKING SOUTH	LOOKING NORTH
STA 1125'B'+90 TO STA 1131'B'+85	STA 1124'B'+25 TO STA 1125'B'+10
STA 1279'B'+52 TO STA 1287'B'+68	STA 1271'B'+11 TO STA 1278'B'+92



FINISHED TYPICAL SECTION
BURLINGTON BYPASS
RIGHT TURN LANES AND AUXILIARY LANES

LOOKING SOUTH	LOOKING NORTH
STA 1127'B'+66 TO STA 1131'B'+91, LT	STA 1126'B'+94 TO STA 1127'B'+90, RT
STA 1164'B'+59 TO STA 1172'B'+01, LT	STA 1165'B'+91 TO STA 1170'B'+78, RT
STA 1178'B'+24 TO STA 1183'B'+03, LT	STA 1178'B'+24 TO STA 1184'B'+18, RT
STA 1276'B'+76 TO STA 1277'B'+92, LT	STA 1274'B'+46 TO STA 1277'B'+66, RT
STA 1280'B'+79 TO STA 1284'B'+81, LT	STA 1280'B'+59 TO STA 1281'B'+51, RT
STA 1358'B'+57 TO STA 1367'B'+47, LT	STA 1357'B'+77 TO STA 1362'B'+43, RT
STA 1369'B'+60 TO STA 1371'B'+98, LT	STA 1369'B'+50 TO STA 1377'B'+94, RT
STA 1374'B'+63 TO STA 1378'B'+93, LT	

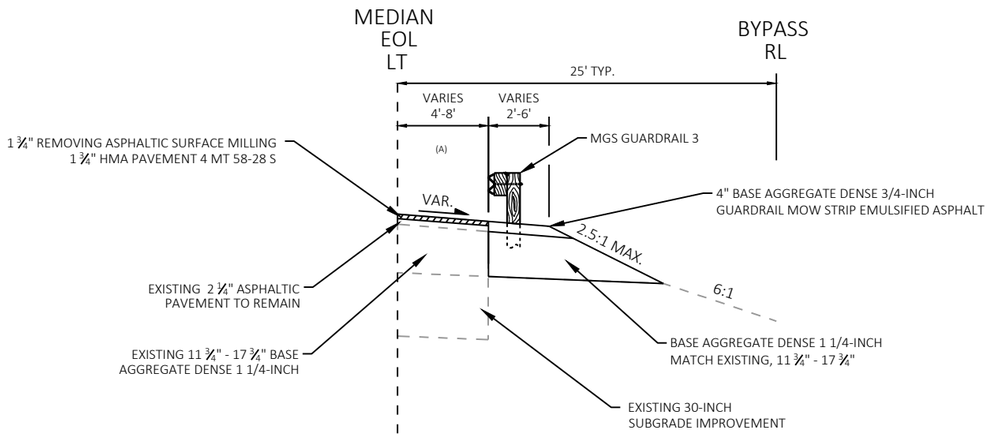


FINISHED TYPICAL SECTION
BURLINGTON BYPASS
AUXILIARY LANES WITH CURB & GUTTER

LOOKING SOUTH	LOOKING NORTH
STA 1172'B'+01 TO STA 1175'B'+81, LT	STA 1173'B'+23 TO STA 1178'B'+24, RT
STA 1367'B'+47 TO STA 1369'B'+60, LT	STA 1364'B'+85 TO STA 1369'B'+50, RT

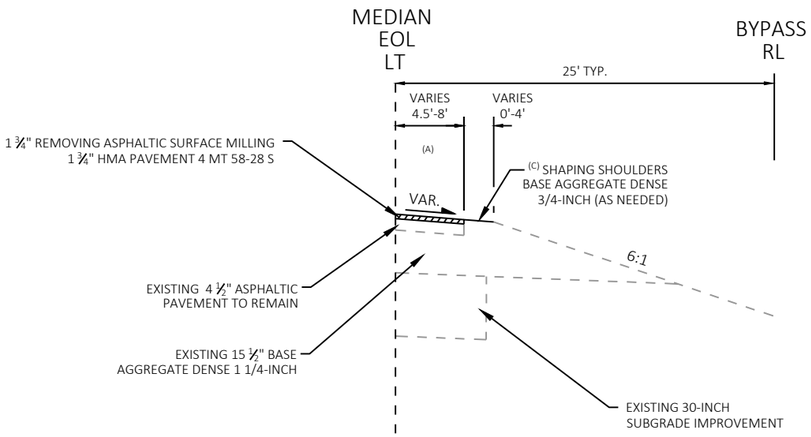
(A) ASPHALTIC RUMBLE STRIP REQUIRED.

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.



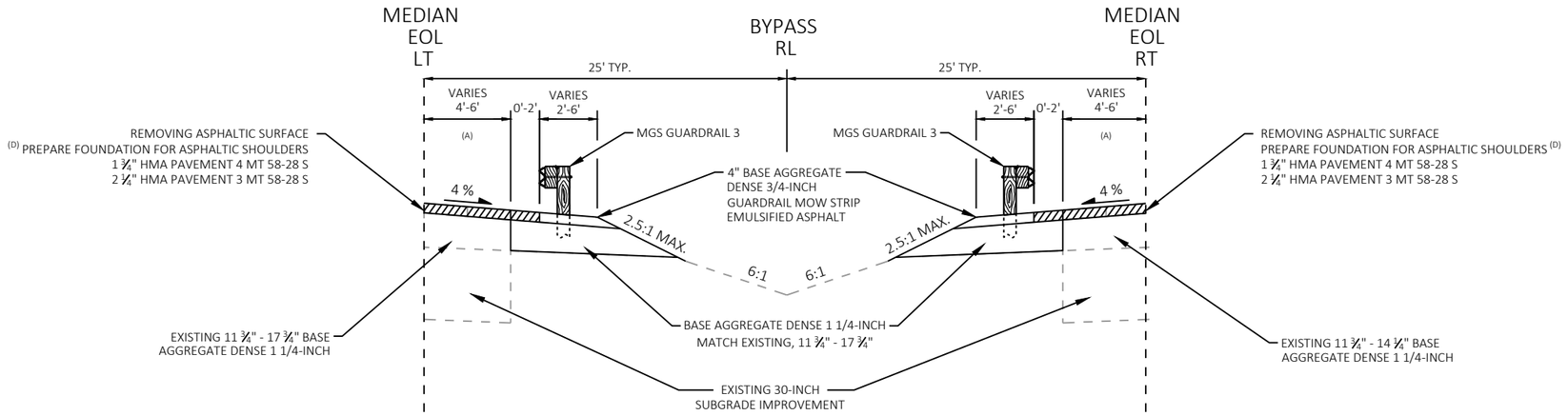
FINISHED TYPICAL SECTION
BURLINGTON BYPASS
MEDIAN GUARDRAIL

STA 1142'B'+96 TO STA 1145'B'+65, LT
STA 1405'B'+65 TO STA 1411'B'+65, LT
STA 1411'B'+92 TO STA 1415'B'+50 LT



FINISHED TYPICAL SECTION
BURLINGTON BYPASS
FULL DEPTH SHOULDER

STA 1415'B'+50 TO STA 1429'B'+38, LT



FINISHED TYPICAL SECTION
BURLINGTON BYPASS
MEDIAN GUARDRAIL

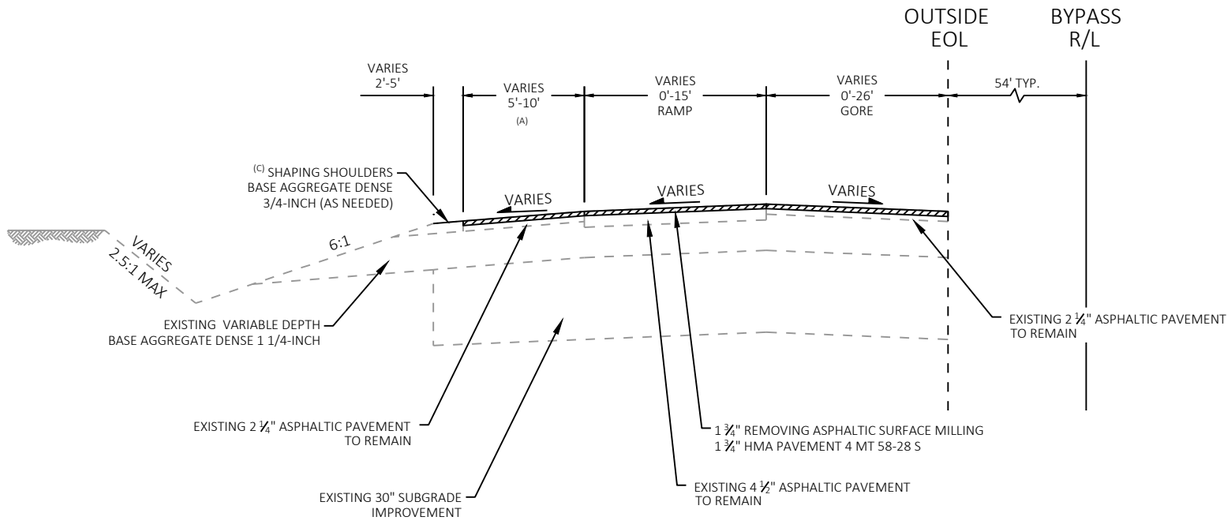
STA 1145'B'+65 TO STA 1146'B'+16, LT
STA 1153'B'+54 TO STA 1158'B'+48, LT
STA 1172'B'+86 TO STA 1177'B'+19, LT
STA 1332'B'+01 TO STA 1336'B'+05, LT
STA 1404'B'+76 TO STA 1405'B'+65, LT

STA 1151'B'+78 TO STA 1155'B'+85, RT
STA 1170'B'+36 TO STA 1174'B'+68, RT
STA 1329'B'+41 TO STA 1333'B'+47, RT

(A) ASPHALTIC RUMBLE STRIP REQUIRED.

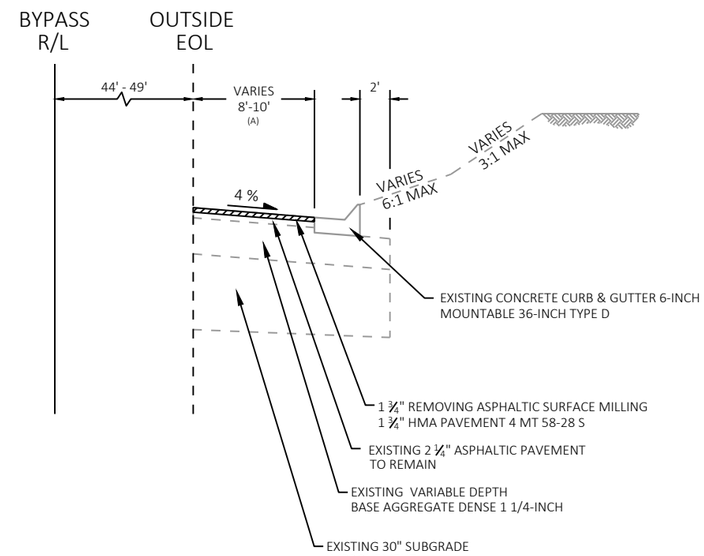
(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

(D) BID ITEM TO BE USED IN LOCATIONS WHERE EXISTING SHOULDER AGGREGATE NEEDS TO BE REMOVED IN ORDER TO PLACE NEW PAVED SHOULDER. REMOVING EXISTING AGGREGATE IS INCLUDED IN THE COST OF THE ITEM.



FINISHED TYPICAL SECTION
BURLINGTON BYPASS
RAMPS

LOOKING NORTH	LOOKING SOUTH
STA 1381'B'+20 TO STA 1388'B'+88, LT	STA 1415'B'+39 TO STA 1428'B'+03, RT
STA 1393'B'+35 TO STA 1398'B'+27, LT	
STA 1408'B'+95 TO STA 1429'B'+43, LT	

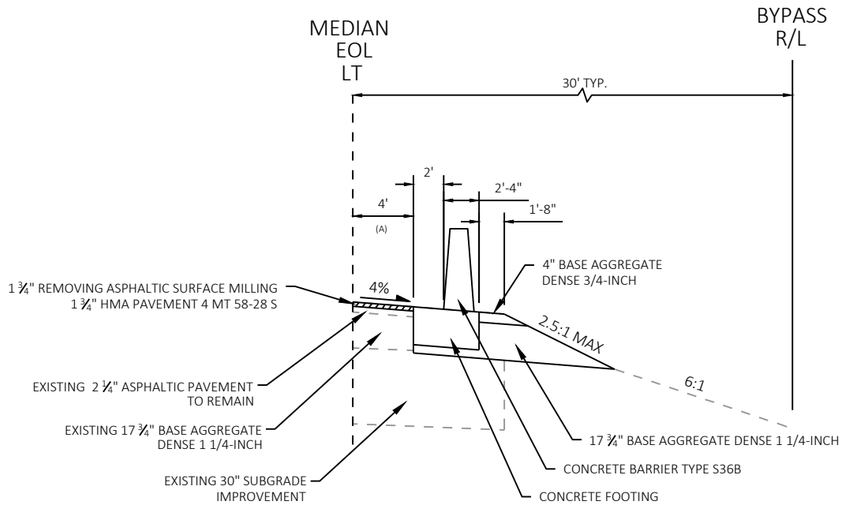


FINISHED TYPICAL SECTION
BURLINGTON BYPASS
CURB & GUTTER SHOULDER

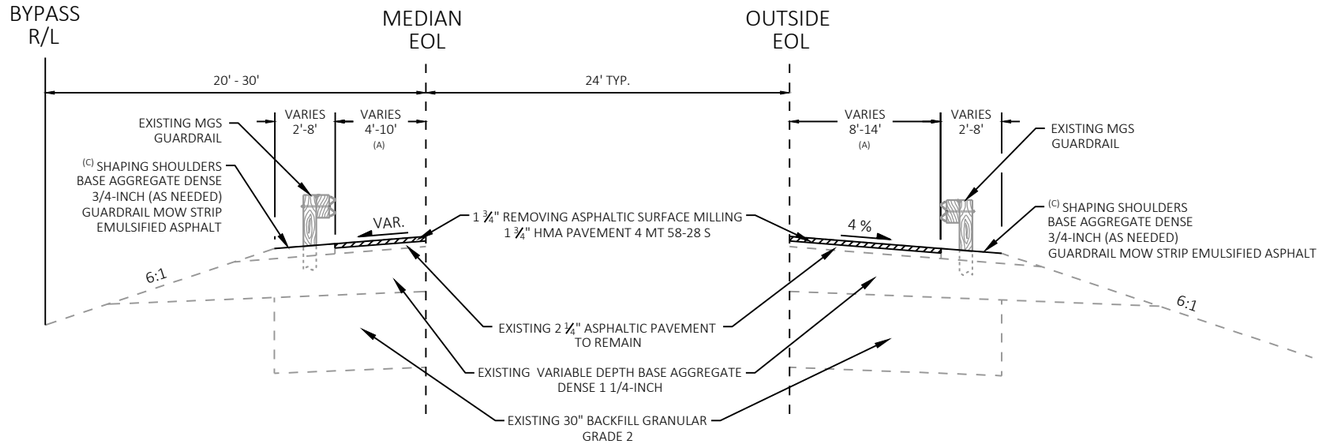
LOOKING SOUTH	LOOKING NORTH
STA 1154'B'+03 TO STA 1156'B'+23, LT	STA 1153'B'+99 TO STA 1156'B'+21, RT
STA 1176'B'+48 TO STA 1177'B'+51, LT	STA 1159'B'+46 TO STA 1164'B'+50, RT
STA 1372'B'+60 TO STA 1373'B'+38, LT	STA 1171'B'+51 TO STA 1172'B'+56, RT
STA 1404'B'+52 TO STA 1405'B'+50, LT	STA 1363'B'+49 TO STA 1364'B'+20, RT
	STA 1405'B'+29 TO STA 1409'B'+42, RT

(A) ASPHALTIC RUMBLE STRIP REQUIRED.

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.



FINISHED TYPICAL SECTION
BURLINGTON BYPASS
MEDIAN CBSS
STA 1411'B'+60 TO STA 1411'B'+92, LT



FINISHED TYPICAL SECTION
BURLINGTON BYPASS
SHOULDERS WITH BEAM GUARD

LOOKING SOUTH
STA 1393'B'+45 TO STA 1397'B'+22, LT

LOOKING NORTH
STA 1130'B'+05 TO STA 1132'B'+37, RT
STA 1386'B'+34 TO STA 1389'B'+43, RT
STA 1402'B'+80 TO STA 1412'B'+46, RT
STA 1426'B'+07 TO STA 1428'B'+03, RT

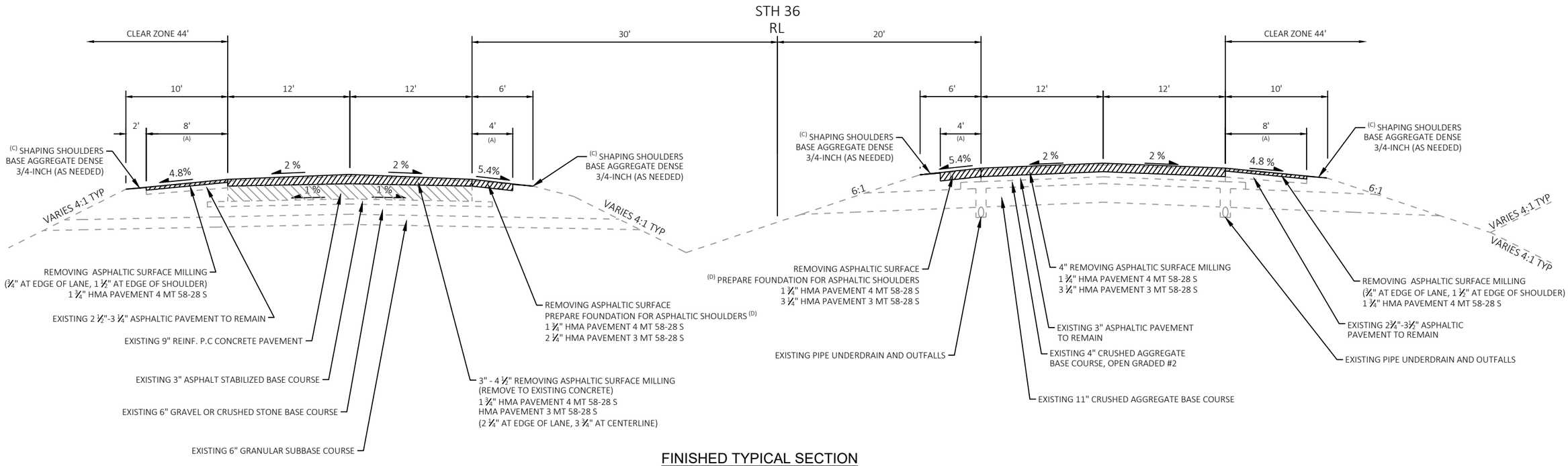
LOOKING SOUTH
STA 1143'B'+02 TO STA 1147'B'+05, LT
STA 1393'B'+06 TO STA 1396'B'+69, LT
STA 1405'B'+50 TO STA 1408'B'+95, LT
STA 1411'B'+00 TO STA 1414'B'+50, LT

LOOKING NORTH
STA 1129'B'+00 TO STA 1132'B'+50, RT
STA 1143'B'+04 TO STA 1145'B'+67, RT
STA 1386'B'+90 TO STA 1389'B'+69, RT
STA 1403'B'+15 TO STA 1405'B'+29, RT
STA 1425'B'+86 TO STA 1428'B'+03, RT

(A) ASPHALTIC RUMBLE STRIP REQUIRED.

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

2



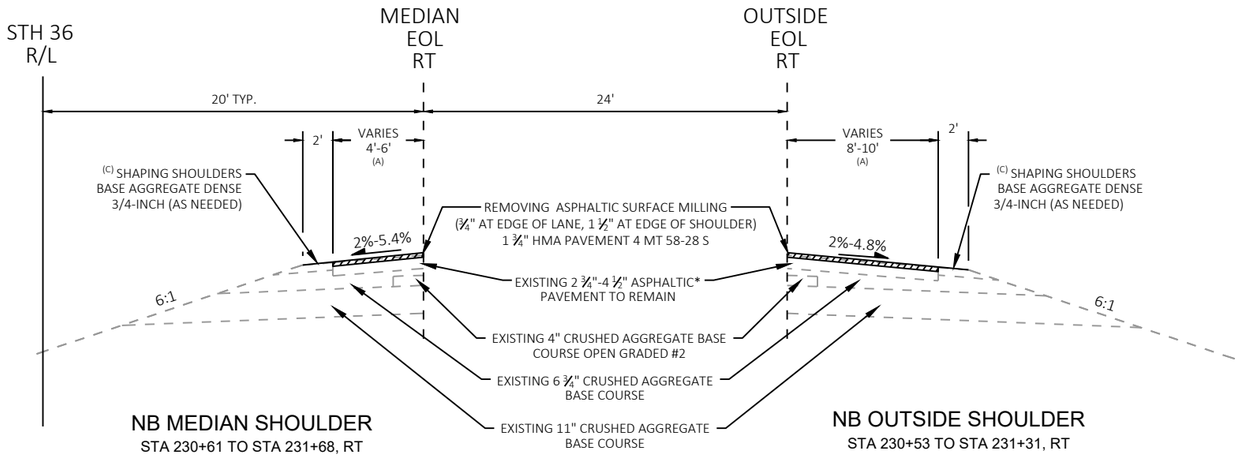
FINISHED TYPICAL SECTION
STH 36

STA 231+12 TO STA 295+93, LT STA 230+61 TO STA 295+93, RT

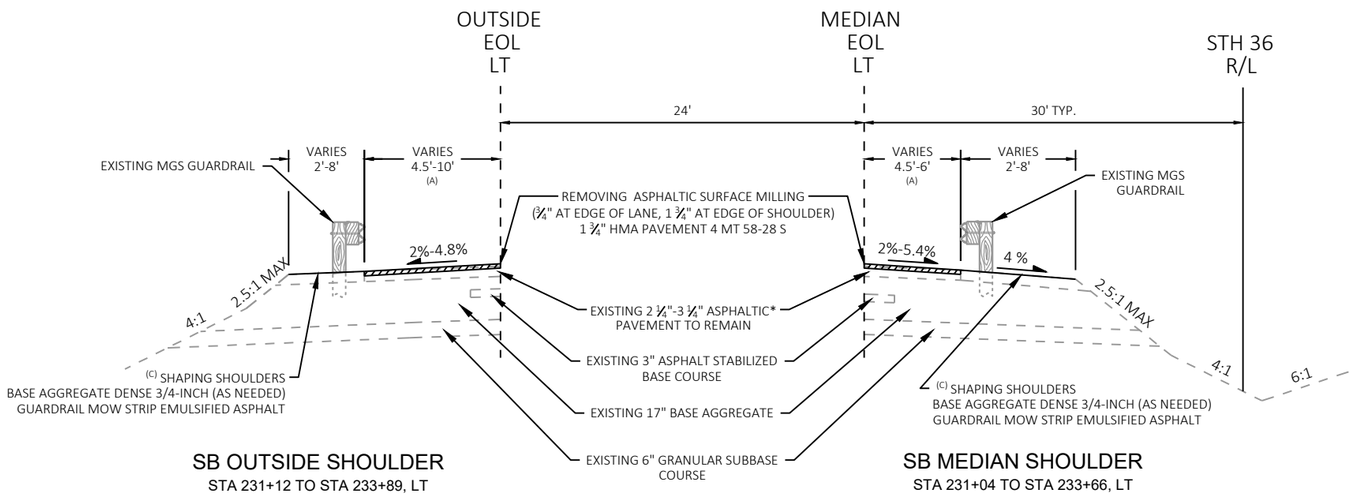
(A) ASPHALTIC RUMBLE STRIP REQUIRED.

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

(D) BID ITEM TO BE USED IN LOCATIONS WHERE EXISTING SHOULDER AGGREGATE NEEDS TO BE REMOVED IN ORDER TO PLACE NEW PAVED SHOULDER. REMOVING EXISTING AGGREGATE IS INCLUDED IN THE COST OF THE ITEM.



FINISHED TYPICAL SECTION
STH 36



FINISHED TYPICAL SECTION
STH 36

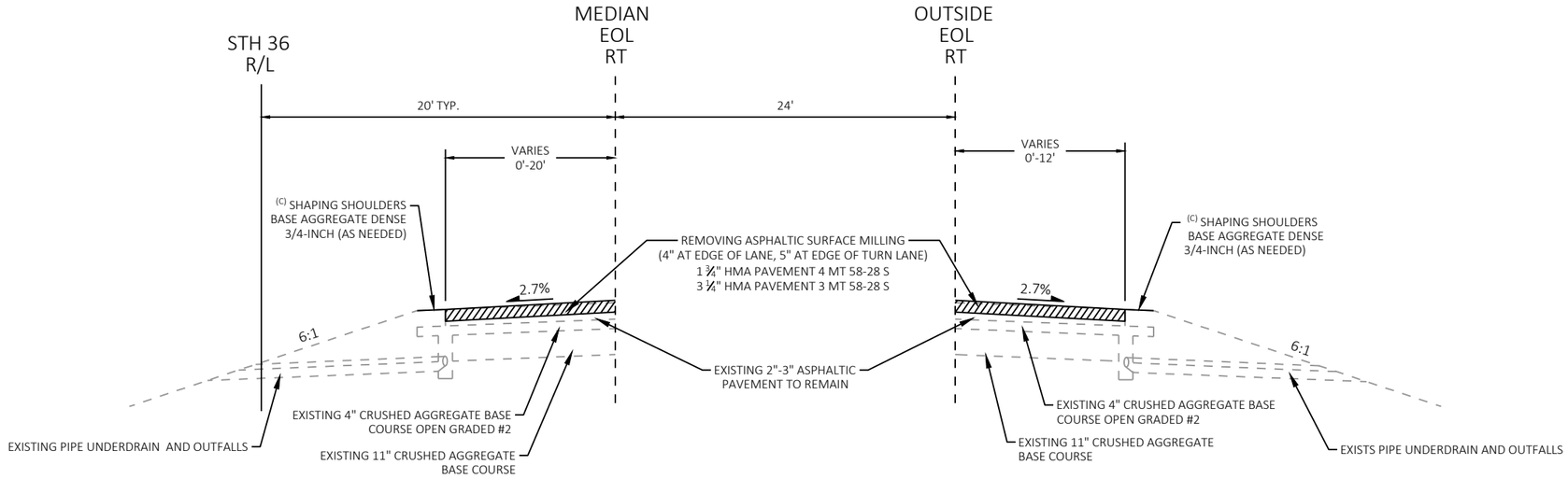
* ADJUST MILLING DEPTHS TO MATCH INTO ELEVATION AND CROSS SLOPE OF CONCRETE APPROACH SLABS. REFER TO CONSTRUCTION DETAILS.

(A) ASPHALTIC RUMBLE STRIP REQUIRED.

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	FINISHED TYPICAL SECTIONS	SHEET 35	E

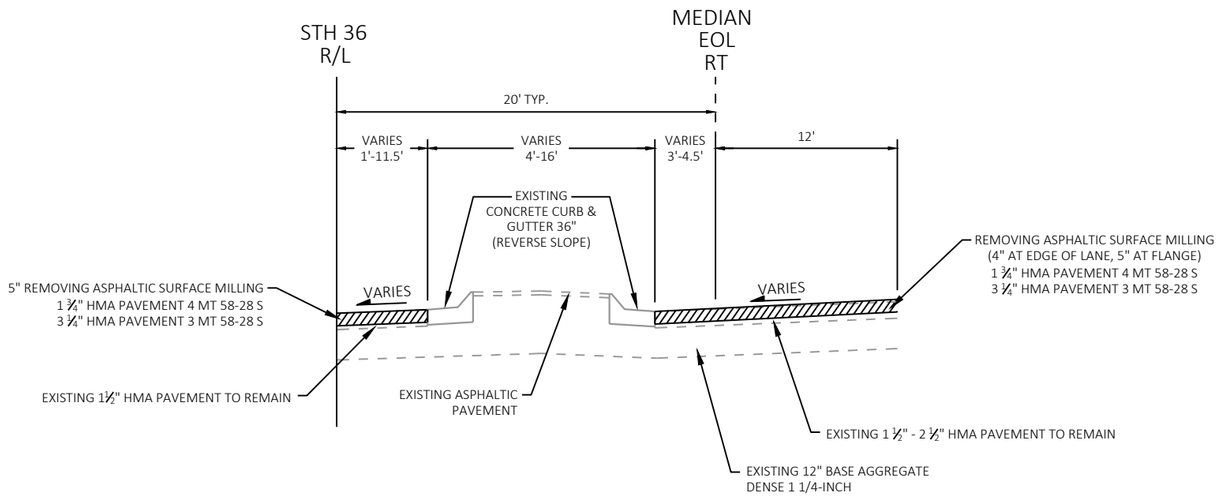
2



NB LEFT TURN LANE AT RIVER ROAD AND CTH J
STA 235+83 TO STA 239+01, RT
STA 272+45 TO STA 275+89, RT

FINISHED TYPICAL SECTION
STH 36

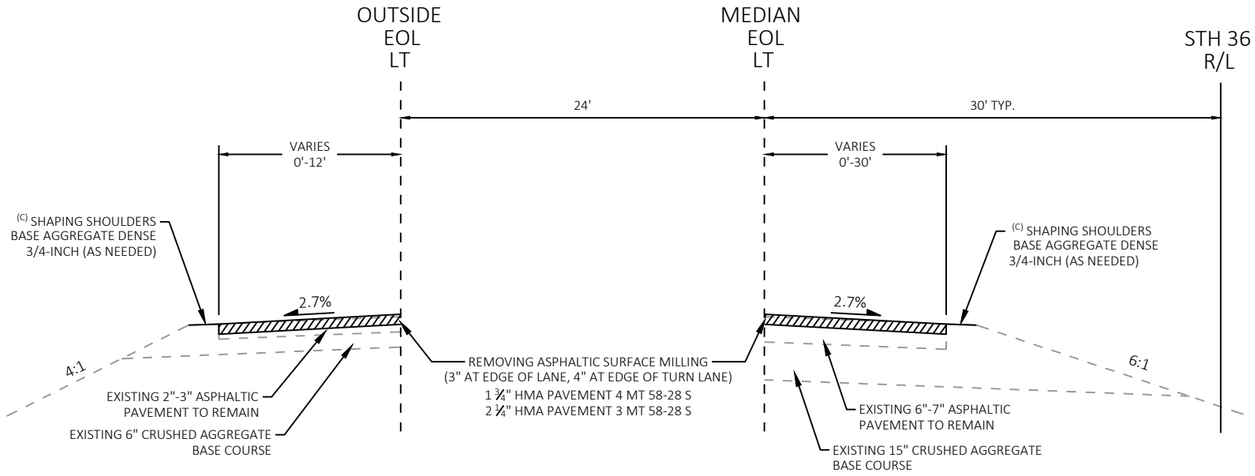
NB RIGHT TURN LANE AT RIVER ROAD AND CTH J
STA 234+64 TO STA 241+13, RT
STA 271+51 TO STA 278+75, RT



NB LEFT TURN ISLAND AT CTH J
STA 275+89 TO STA 276+16.50, RT

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

FINISHED TYPICAL SECTION
STH 36



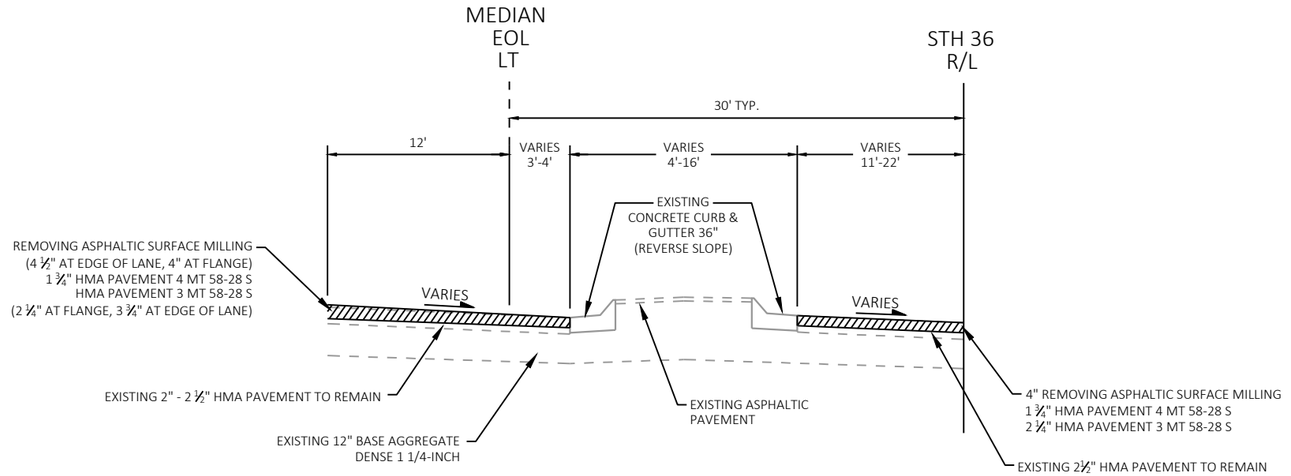
FINISHED TYPICAL SECTION
STH 36

SB RIGHT TURN LANE AT RIVER ROAD AND CTH J

STA 238+52 TO STA 245+15, LT
STA 274+87 TO STA 281+16, LT

SB LEFT TURN LANE AT RIVER ROAD AND CTH J

STA 240+56 TO STA 245+10, LT
STA 276+91 TO STA 280+58, LT



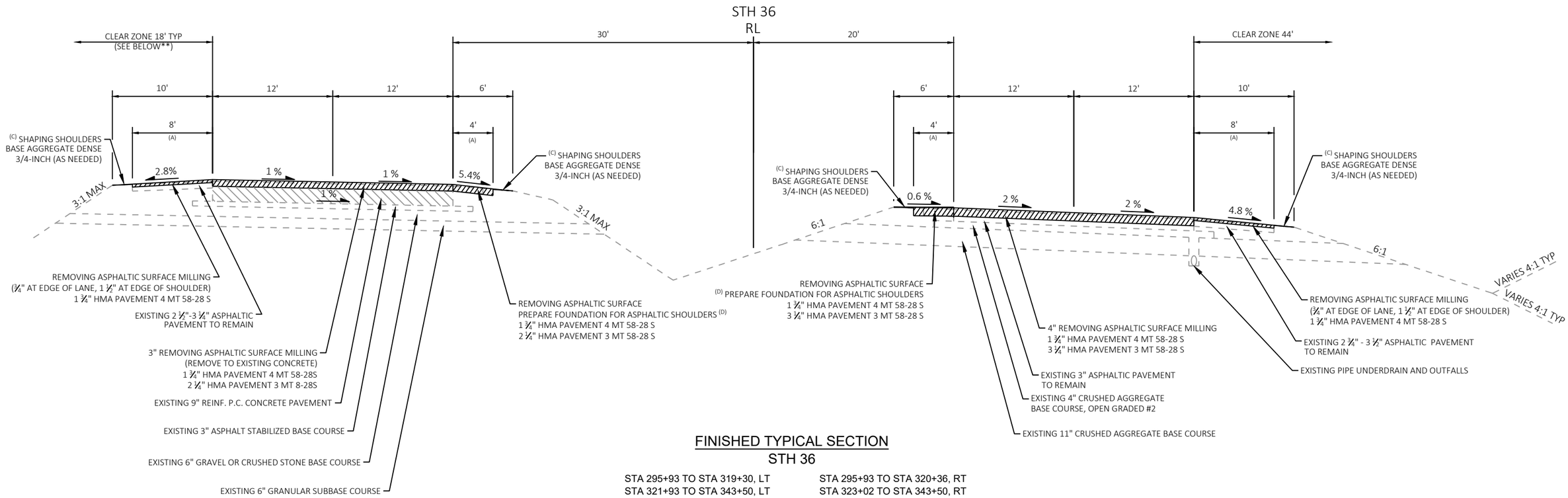
SB LEFT TURN ISLAND AT CTH J

STA 276+64 TO STA 276+91, LT

FINISHED TYPICAL SECTION
STH 36

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

2



FINISHED TYPICAL SECTION
STH 36

STA 295+93 TO STA 319+30, LT
STA 321+93 TO STA 343+50, LT

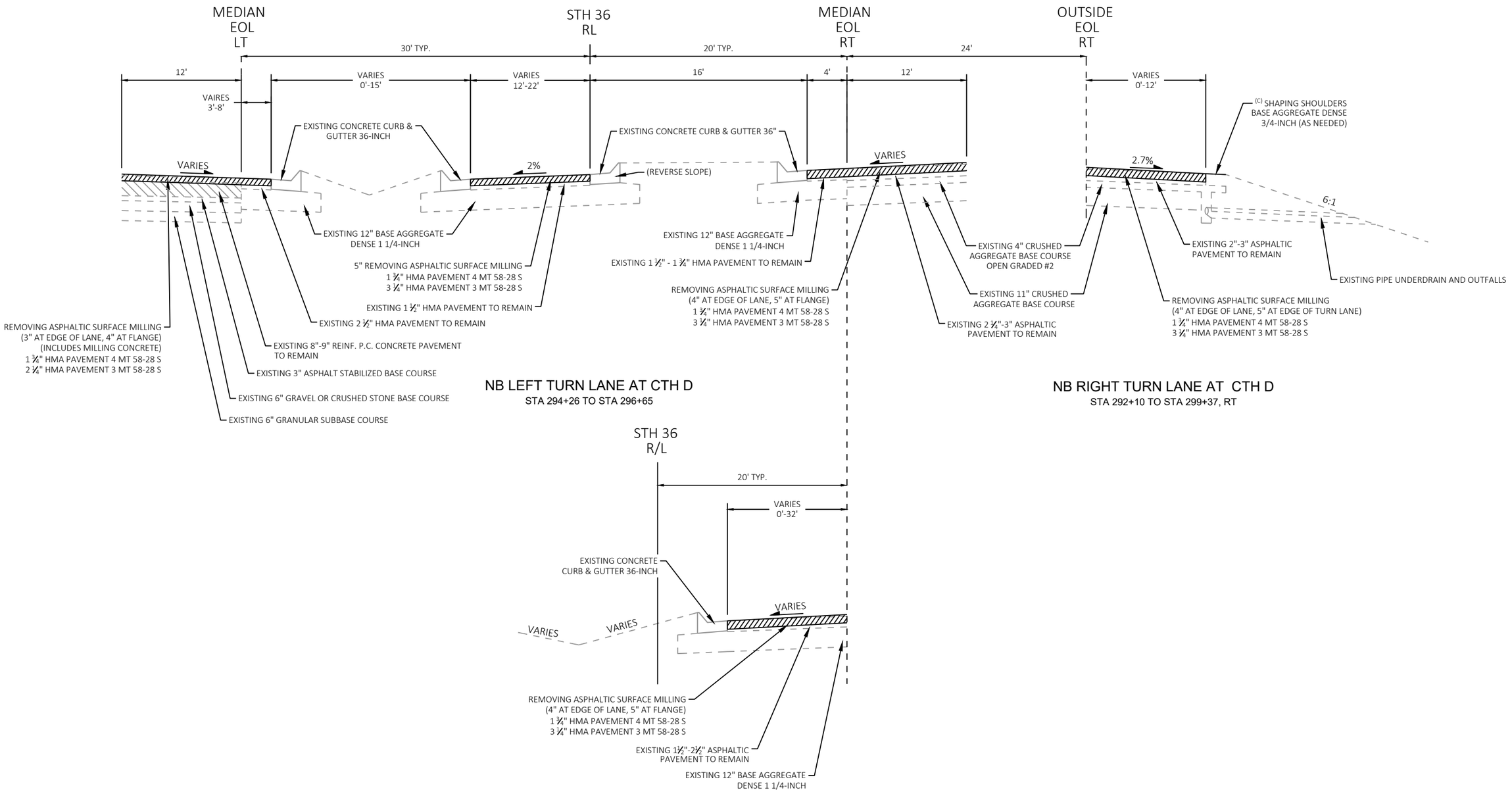
STA 295+93 TO STA 320+36, RT
STA 323+02 TO STA 343+50, RT

** CLEAR ZONE IS 44' FROM
STA 295+93 TO STA 300+81, LT

(A) ASPHALTIC RUMBLE STRIP REQUIRED.

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

(D) BID ITEM TO BE USED IN LOCATIONS WHERE EXISTING SHOULDER AGGREGATE NEEDS TO BE REMOVED IN ORDER TO PLACE NEW PAVED SHOULDER. REMOVING EXISTING AGGREGATE IS INCLUDED IN THE COST OF THE ITEM.



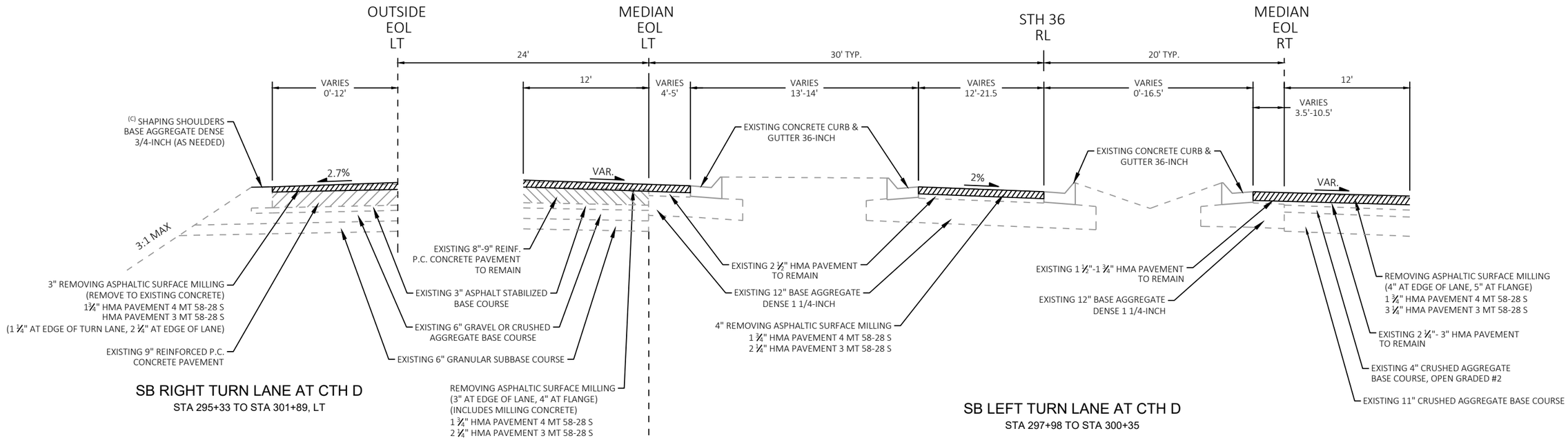
NB LEFT TURN LANE AT CTH D
STA 294+26 TO STA 296+65

NB RIGHT TURN LANE AT CTH D
STA 292+10 TO STA 299+37, RT

NB LEFT TURN LANE TAPER AT CTH D
STA 290+43 TO STA 294+26

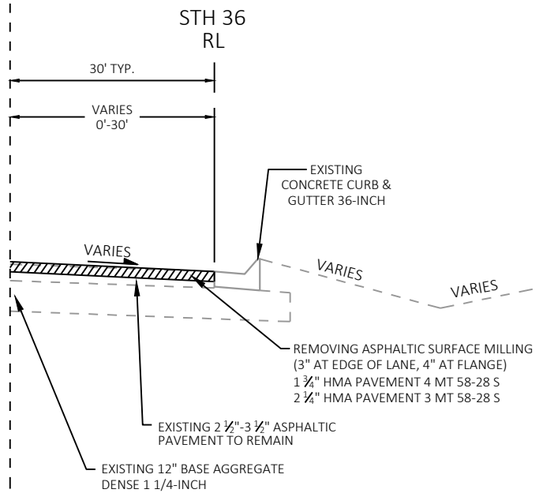
(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

FINISHED TYPICAL SECTION
STH 36



SB RIGHT TURN LANE AT CTH D
STA 295+33 TO STA 301+89, LT

SB LEFT TURN LANE AT CTH D
STA 297+98 TO STA 300+35



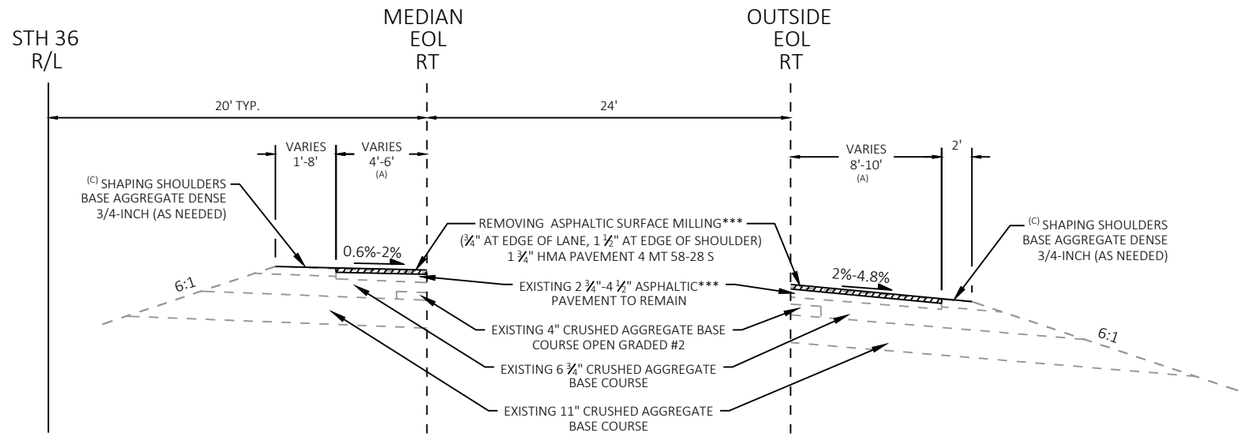
SB LEFT TURN TAPER AT CTH D
STA 300+35 TO STA 304+84

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

FINISHED TYPICAL SECTION
STH 36

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	FINISHED TYPICAL SECTIONS	SHEET 40	E

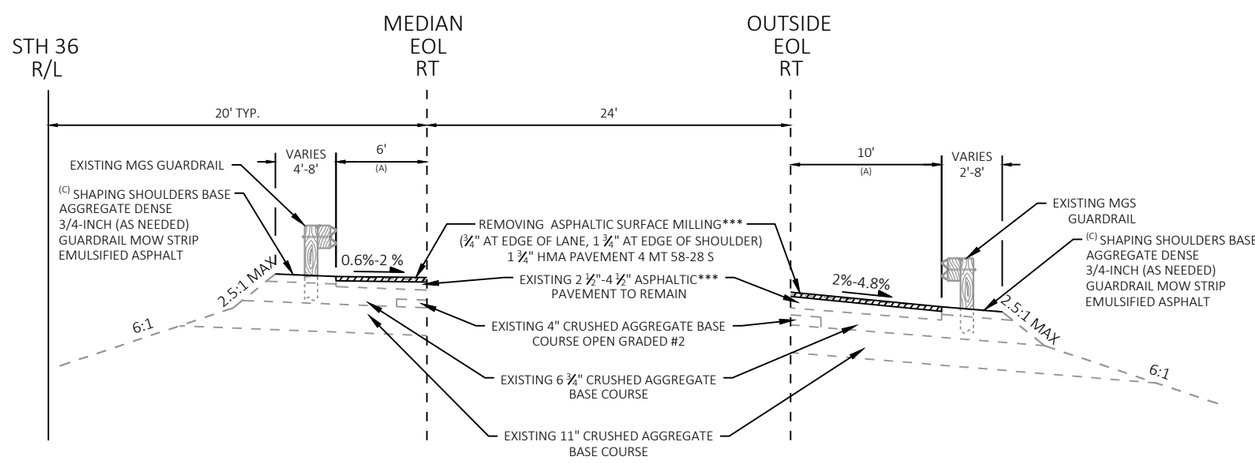
2



FINISHED TYPICAL SECTION
STH 36

NB MEDIAN SHOULDER
STA 316+85 TO STA 317+49, RT
STA 322+83 TO STA 326+87, RT

NB OUTSIDE SHOULDER
STA 317+99 TO STA 318+46, RT
STA 323+02 TO STA 324+16, RT



FINISHED TYPICAL SECTION
STH 36

NB MEDIAN SHOULDER
STA 317+49 TO STA 320+36, RT

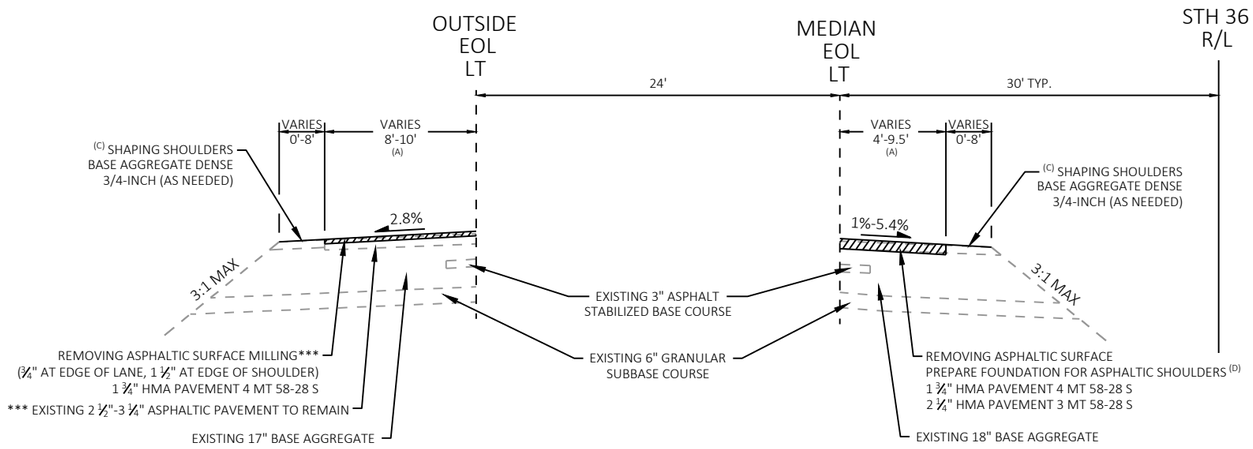
NB OUTSIDE SHOULDER
STA 318+46 TO STA 320+55, RT

(A) ASPHALTIC RUMBLE STRIP REQUIRED.

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

*** ADJUST MILLING DEPTHS TO MATCH INTO ELEVATION AND CROSS SLOPE OF CONCRETE APPROACH SLABS. REFER TO CONSTRUCTION DETAILS.

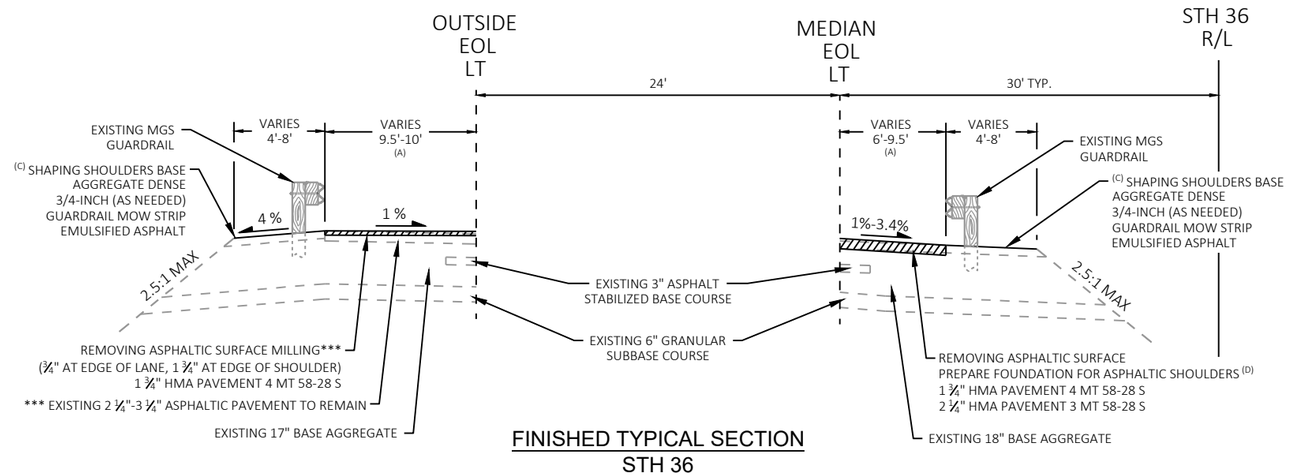
2



FINISHED TYPICAL SECTION
STH 36

SB OUTSIDE SHOULDER
STA 318+67 TO STA 319+30, LT
STA 323+13 TO STA 323+79, LT

SB MEDIAN SHOULDER
STA 316+37 TO STA 319+49, LT
STA 324+68 TO STA 325+24, LT



FINISHED TYPICAL SECTION
STH 36

SB OUTSIDE SHOULDER
STA 321+74 TO STA 323+13, LT

SB MEDIAN SHOULDER
STA 321+93 TO STA 324+68, LT

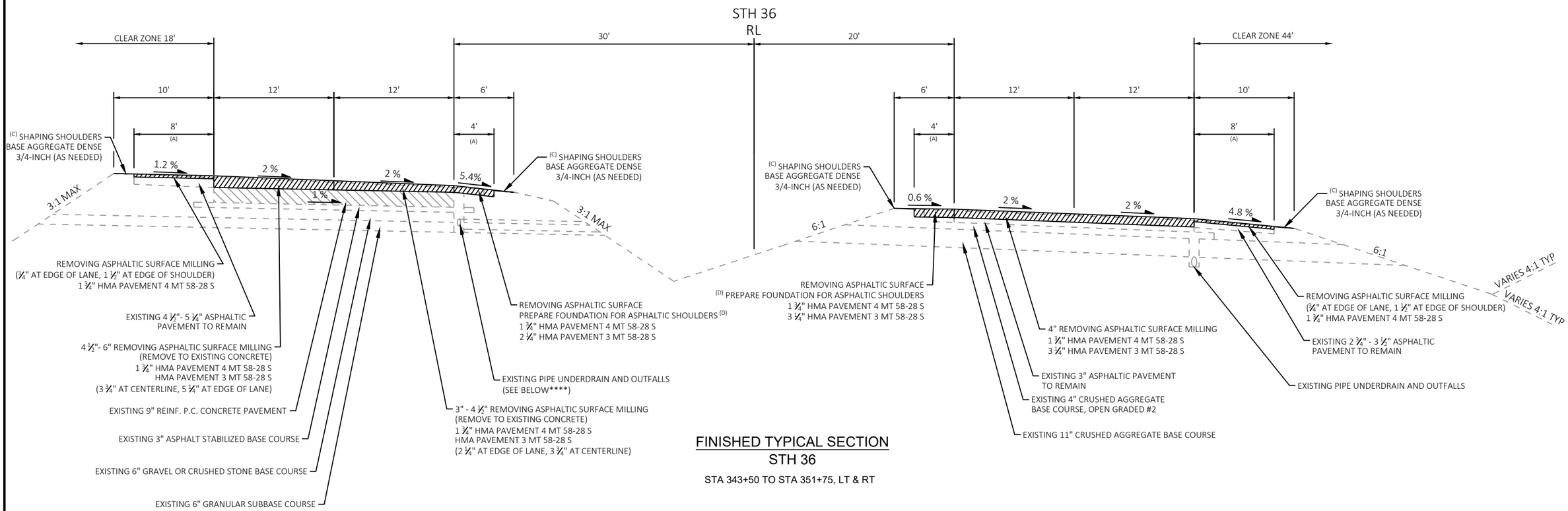
*** ADJUST MILLING DEPTHS TO MATCH INTO ELEVATION AND CROSS SLOPE OF CONCRETE APPROACH SLABS. REFER TO CONSTRUCTION DETAILS.

(A) ASPHALTIC RUMBLE STRIP REQUIRED.

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

(D) BID ITEM TO BE USED IN LOCATIONS WHERE EXISTING SHOULDER AGGREGATE NEEDS TO BE REMOVED IN ORDER TO PLACE NEW PAVED SHOULDER. REMOVING EXISTING AGGREGATE IS INCLUDED IN THE COST OF THE ITEM.

2



FINISHED TYPICAL SECTION
STH 36

STA 343+50 TO STA 351+75, LT & RT

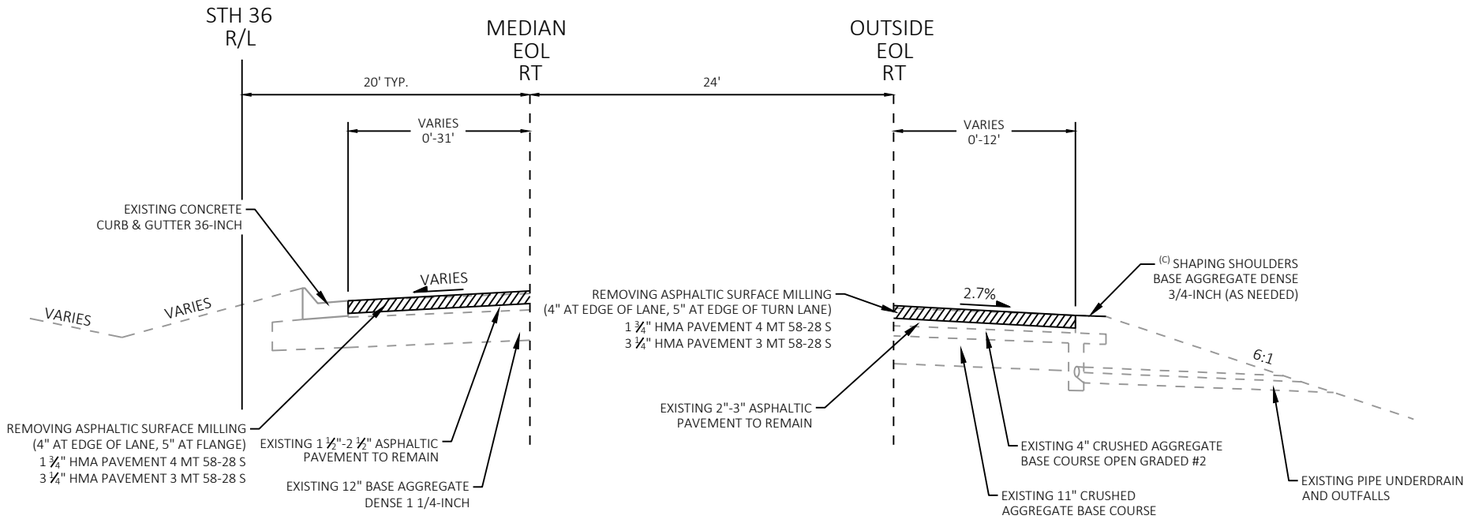
**** PIPE UNDERDRAIN EXISTS FROM STA 345+40 TO 351+75, LT

(A) ASPHALTIC RUMBLE STRIP REQUIRED.

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

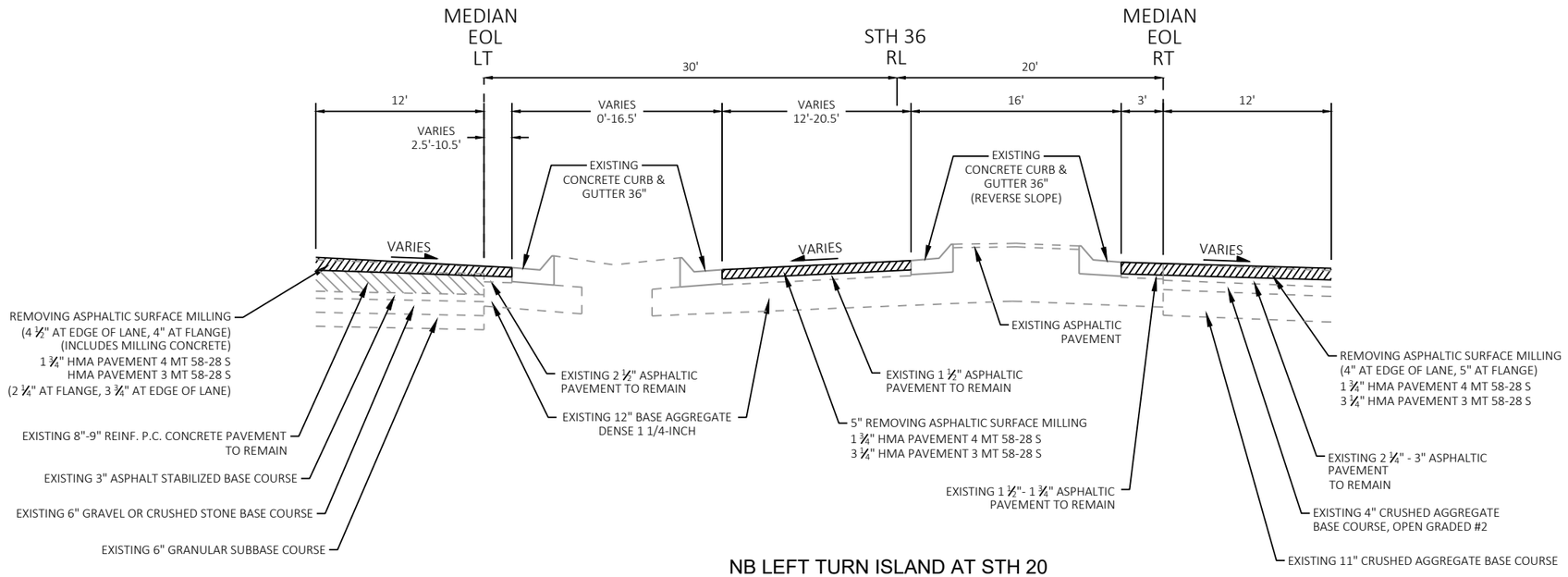
(D) BID ITEM TO BE USED IN LOCATIONS WHERE EXISTING SHOULDER AGGREGATE NEEDS TO BE REMOVED IN ORDER TO PLACE NEW PAVED SHOULDER. REMOVING EXISTING AGGREGATE IS INCLUDED IN THE COST OF THE ITEM.

2



NB LEFT TURN LANE AT STH 20
STA 337+21 TO STA 344+11, RT

NB RIGHT TURN LANE AT STH 20
STA 339+98 TO STA 346+57, RT



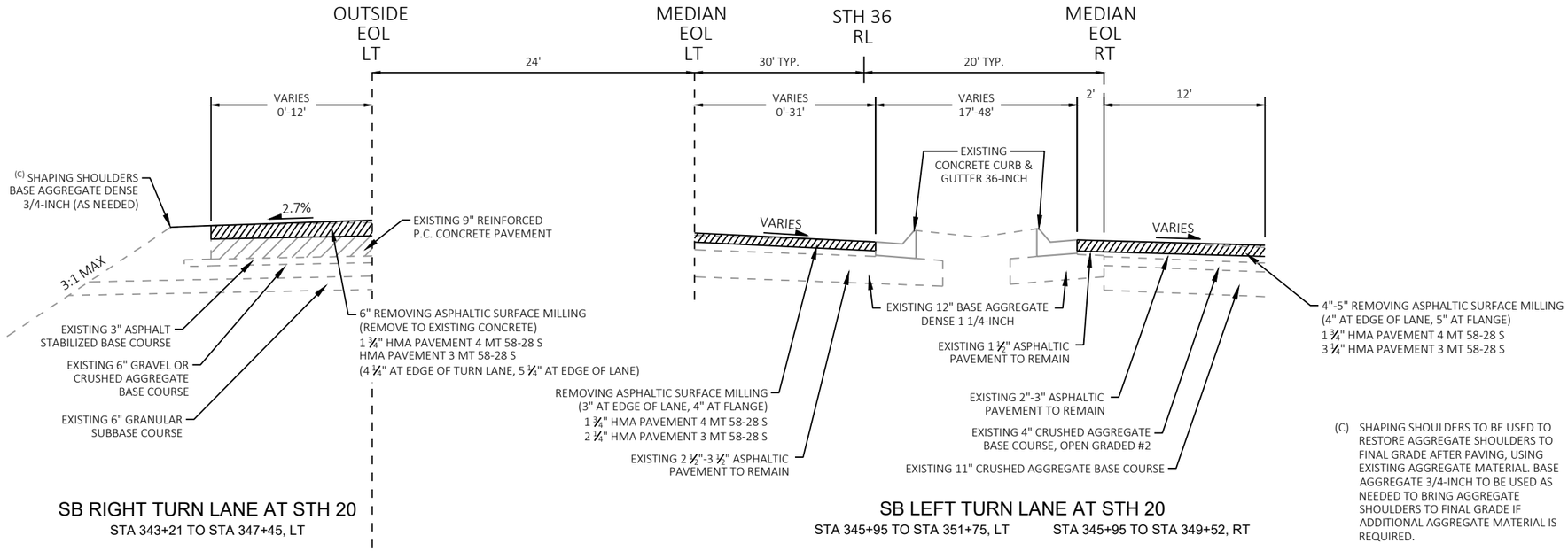
NB LEFT TURN ISLAND AT STH 20
STA 344+11 TO STA 344+29, RT

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

FINISHED TYPICAL SECTION
STH 36

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	FINISHED TYPICAL SECTIONS	SHEET 44	E

2

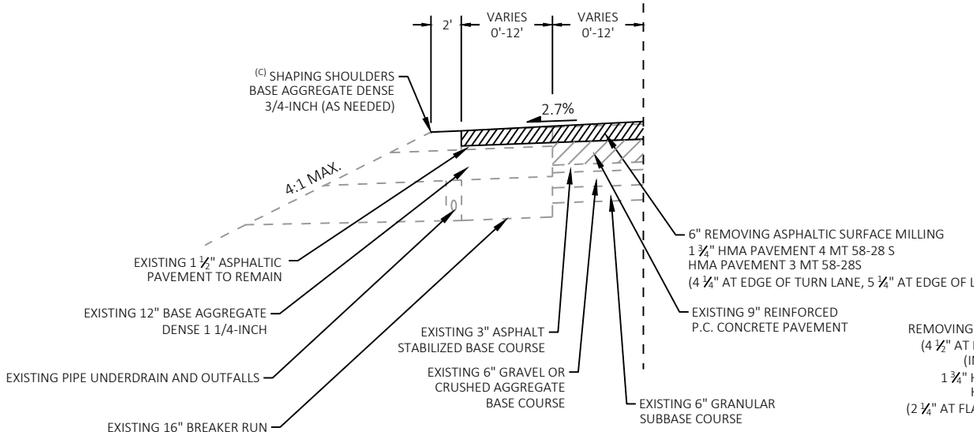


SB RIGHT TURN LANE AT STH 20
STA 343+21 TO STA 347+45, LT

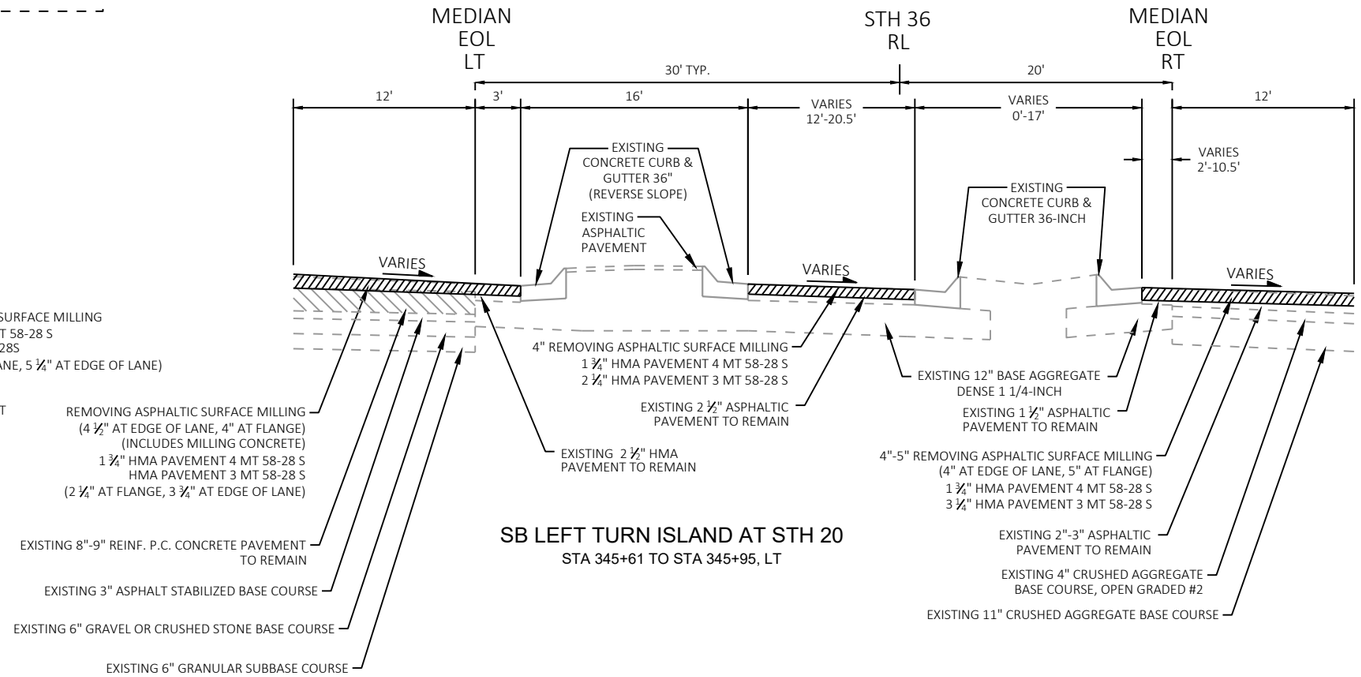
SB LEFT TURN LANE AT STH 20
STA 345+95 TO STA 351+75, LT STA 345+95 TO STA 349+52, RT

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

FINISHED TYPICAL SECTION
STH 36



SB RIGHT TURN LANE AT STH 20
EXTENDED TURN LANE
STA 347+45 TO STA 350+01, LT

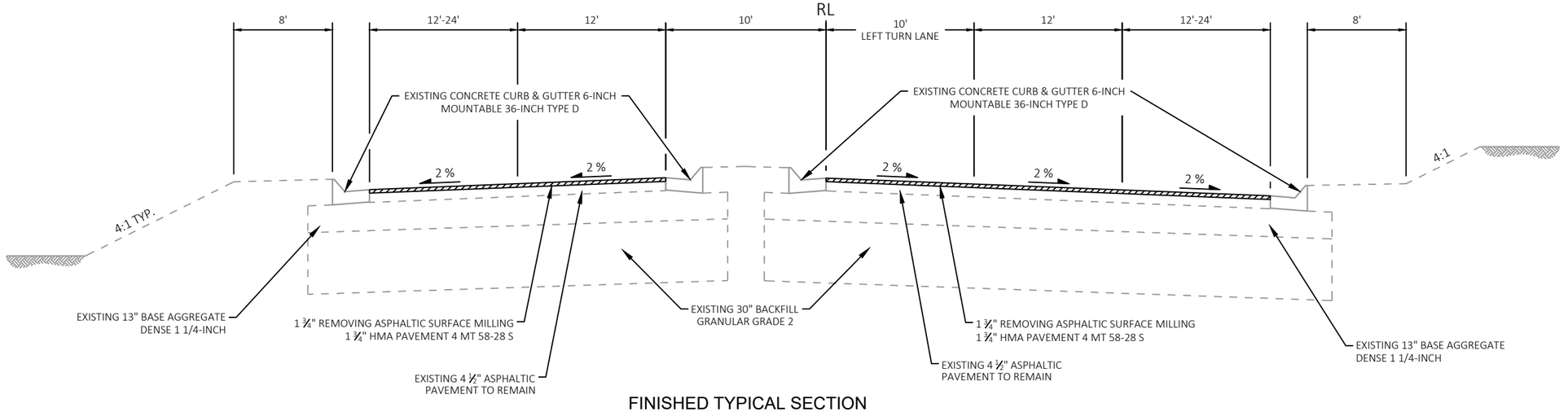


SB LEFT TURN ISLAND AT STH 20
STA 345+61 TO STA 345+95, LT

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	FINISHED TYPICAL SECTIONS	SHEET 45	E

2

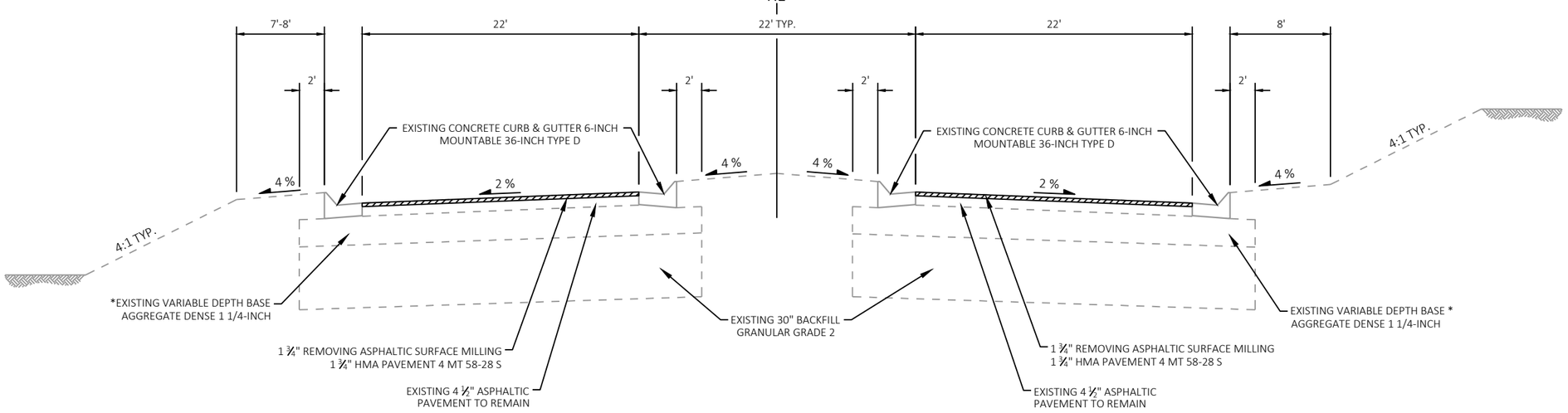
STH 83/PINE STREET
RL



FINISHED TYPICAL SECTION
STH 83/PINE STREET

LOOKING SOUTH	LOOKING NORTH
STA 353+29 TO STA 353+96, RT	STA 350+92 TO STA 351+73, RT
STA 353+29 TO STA 354+17, LT	STA 351+06 TO STA 351+73, LT

STH 142/CTH A
RL



FINISHED TYPICAL SECTION
STH 142 RAMPS

SW RAMP	NE RAMP
STA 39+53 TO STA 39+90, RT	STA 58+68 TO STA 59+81, RT
STA 39+74 TO STA 40+86, LT	STA 59+65 TO STA 60+01, LT

FINISHED TYPICAL SECTION
CTH A RAMPS

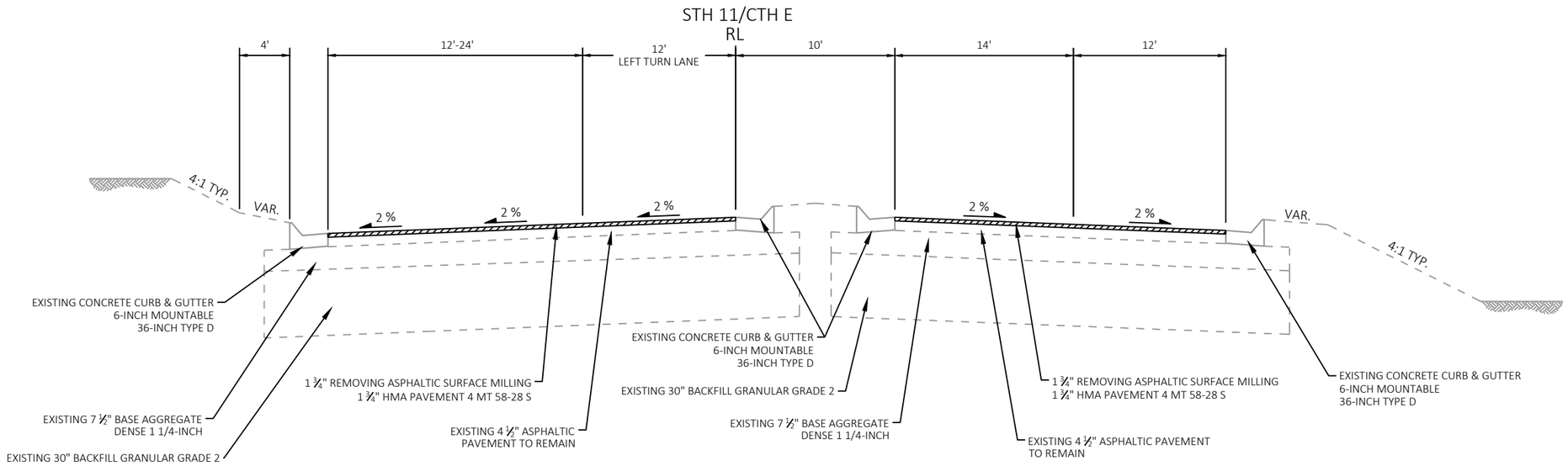
SE RAMP	NW RAMP
STA 39+67 TO STA 40+44, RT	STA 57+06 TO STA 58+12, RT
STA 39+67 TO STA 40+72, LT	STA 57+34 TO STA 58+14, LT

* STH 142 RAMPS: 12-INCH
CTH A RAMPS: 7 1/2-INCH

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	FINISHED TYPICAL SECTIONS	SHEET 46	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 40
PLOT DATE : 2/28/2022 3:25 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

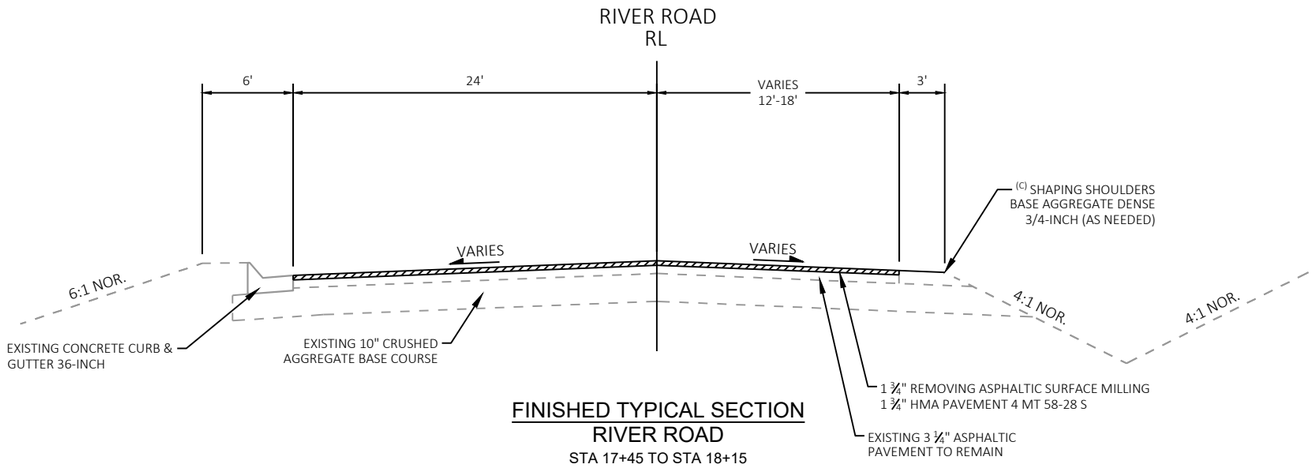
2



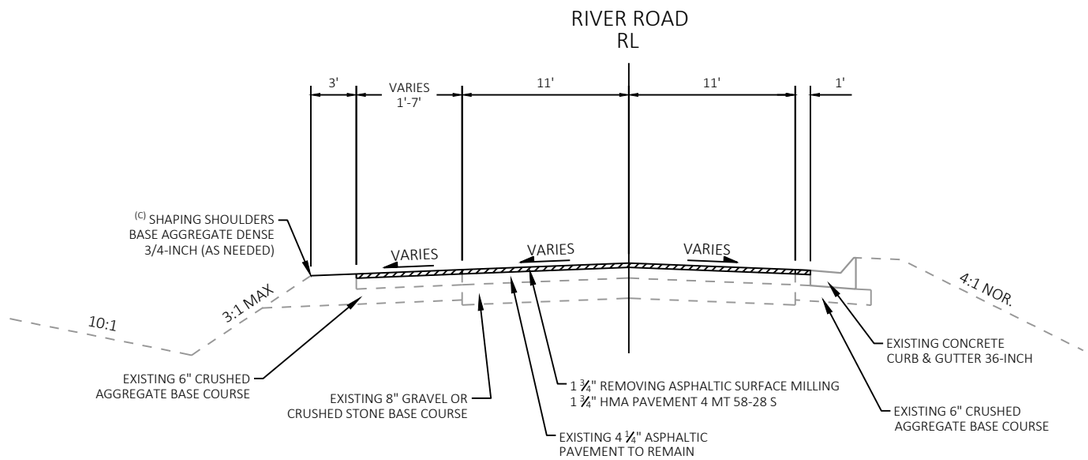
FINISHED TYPICAL SECTION
STH 11/CTH E

LOOKING WEST	LOOKING EAST
STA 126+55 TO STA 127+56, RT	STA 129+09 TO STA 129+70, RT
STA 126+95 TO STA 127+56, LT	STA 129+09 TO STA 130+10, LT

2



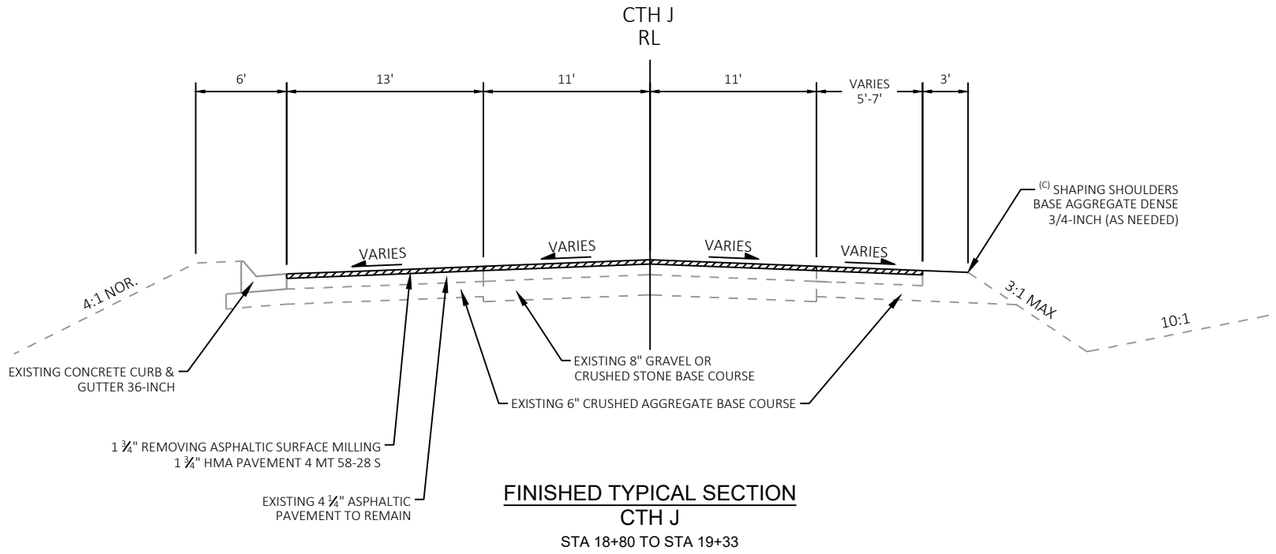
FINISHED TYPICAL SECTION
RIVER ROAD
STA 17+45 TO STA 18+15



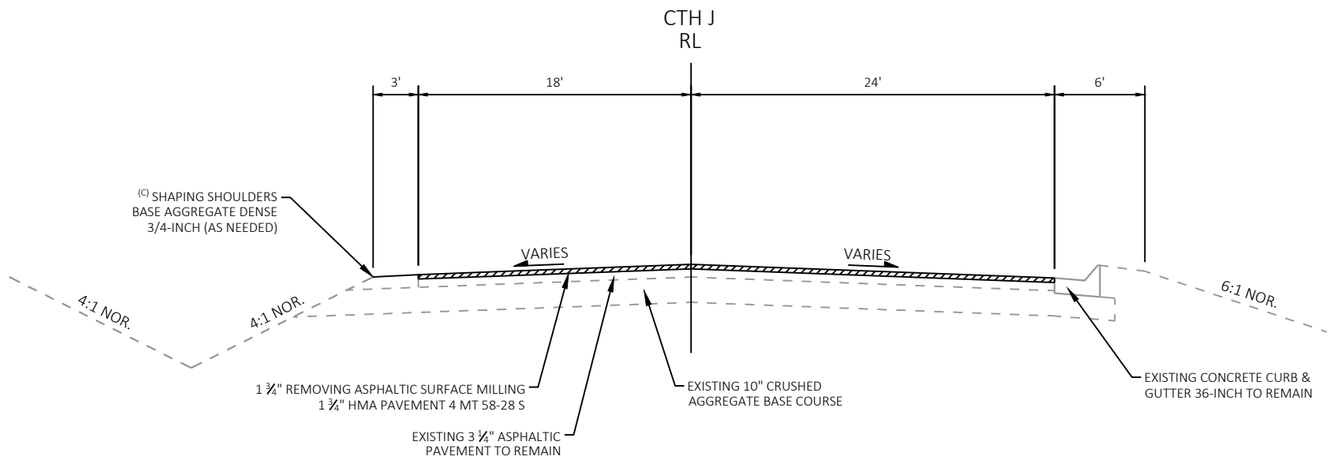
FINISHED TYPICAL SECTION
RIVER ROAD
STA 19+48 TO STA 20+54

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

2

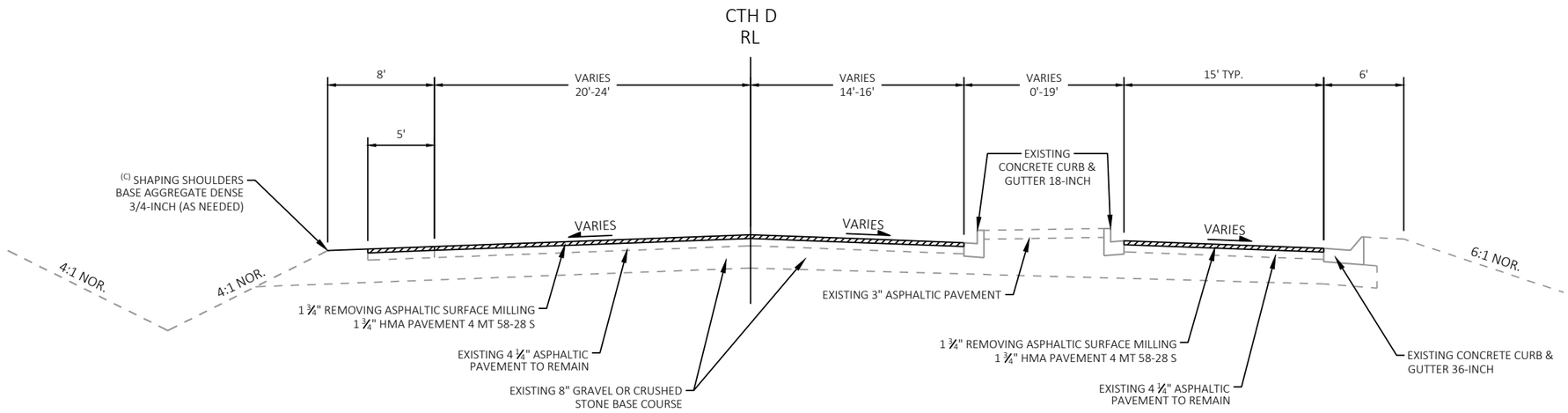


FINISHED TYPICAL SECTION
CTH J
STA 18+80 TO STA 19+33

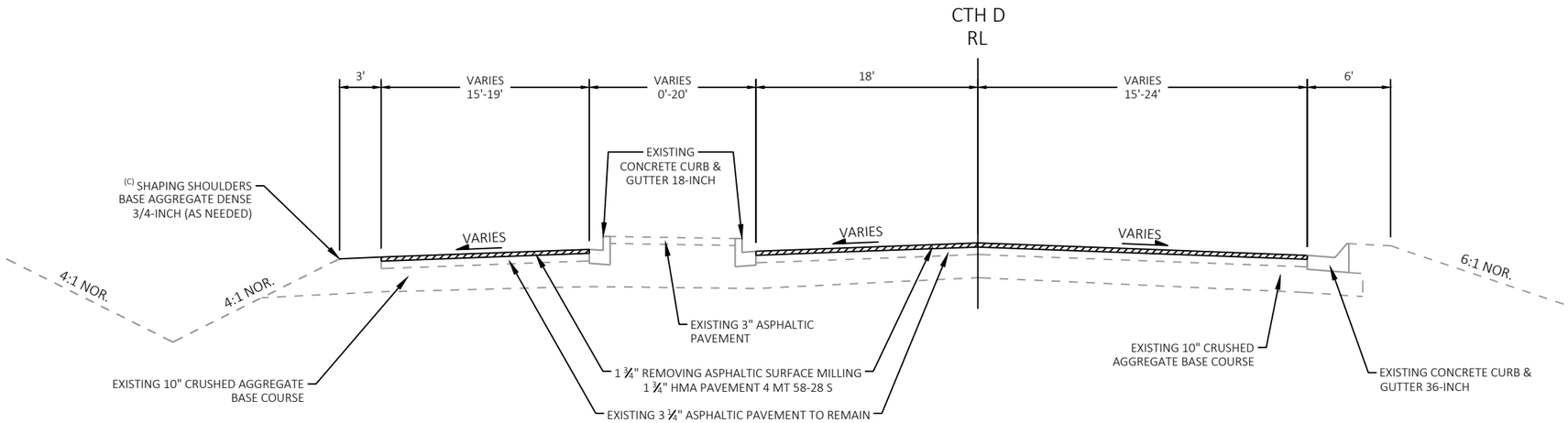


FINISHED TYPICAL SECTION
CTH J
STA 20+57 TO STA 21+09

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.



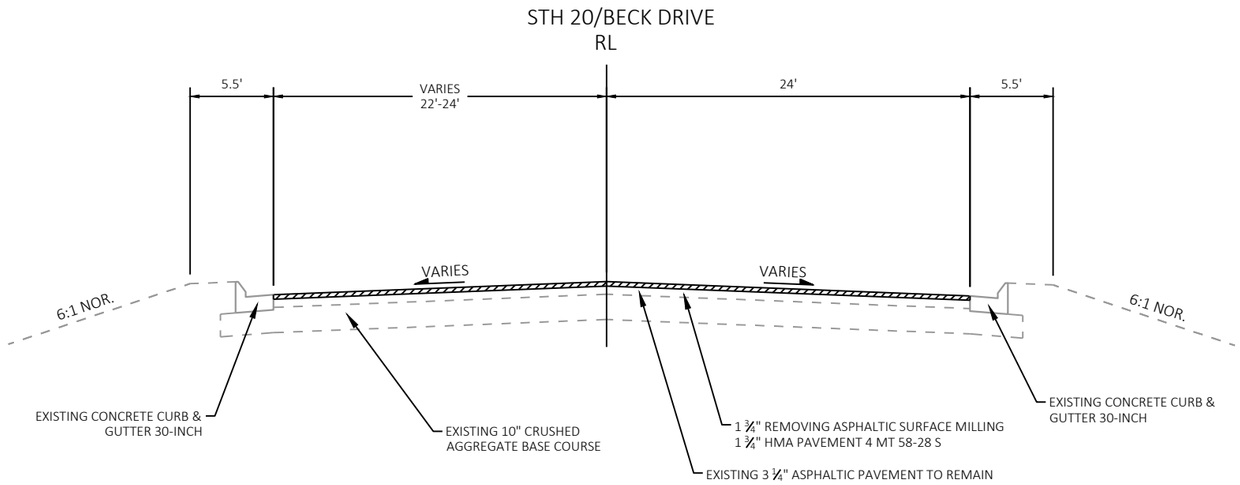
FINISHED TYPICAL SECTION
CTH D
STA 19+00 TO STA 19+76



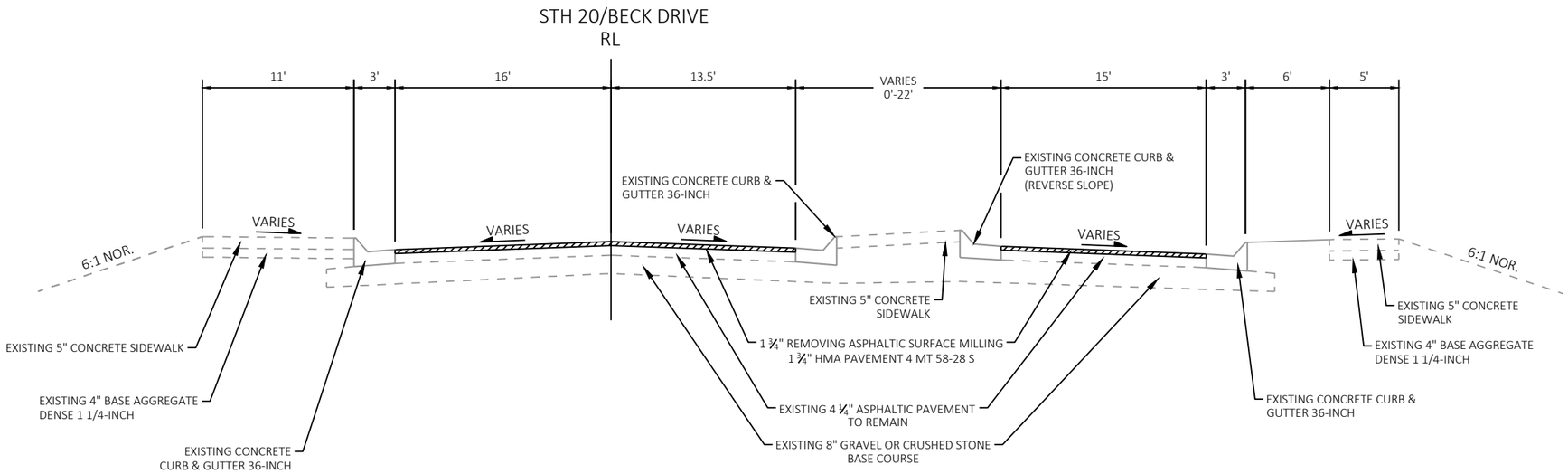
FINISHED TYPICAL SECTION
CTH D
STA 21+00 TO STA 21+91

(C) SHAPING SHOULDERS TO BE USED TO RESTORE AGGREGATE SHOULDERS TO FINAL GRADE AFTER PAVING, USING EXISTING AGGREGATE MATERIAL. BASE AGGREGATE 3/4-INCH TO BE USED AS NEEDED TO BRING AGGREGATE SHOULDERS TO FINAL GRADE IF ADDITIONAL AGGREGATE MATERIAL IS REQUIRED.

2



FINISHED TYPICAL SECTION
STH 20/BECK DRIVE
STA 102+12 TO STA 102+86



FINISHED TYPICAL SECTION
STH 20/BECK DRIVE
STA 404+35 TO STA 405+28

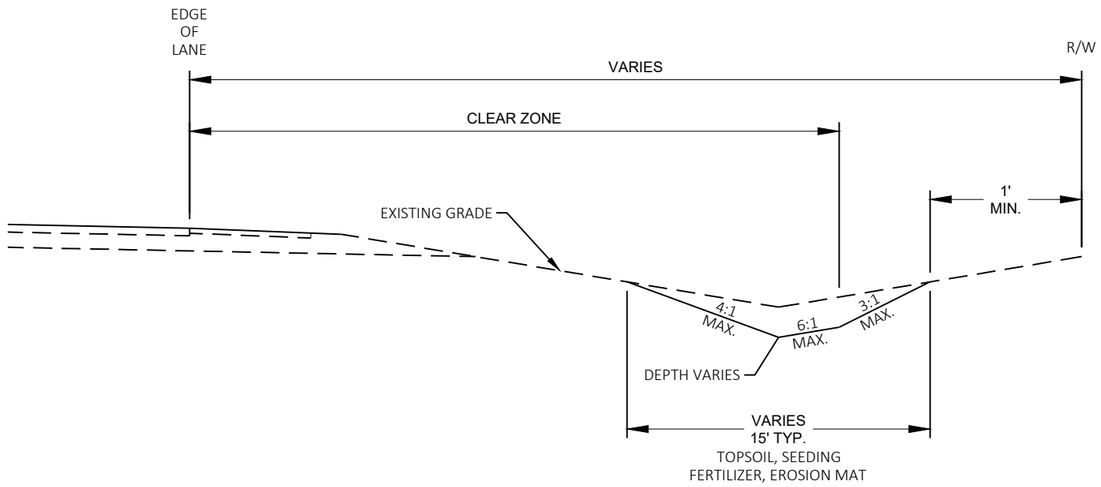
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	FINISHED TYPICAL SECTIONS	SHEET 51	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 45

PLOT DATE : 2/28/2022 3:25 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2



DITCHING AND SHAPING

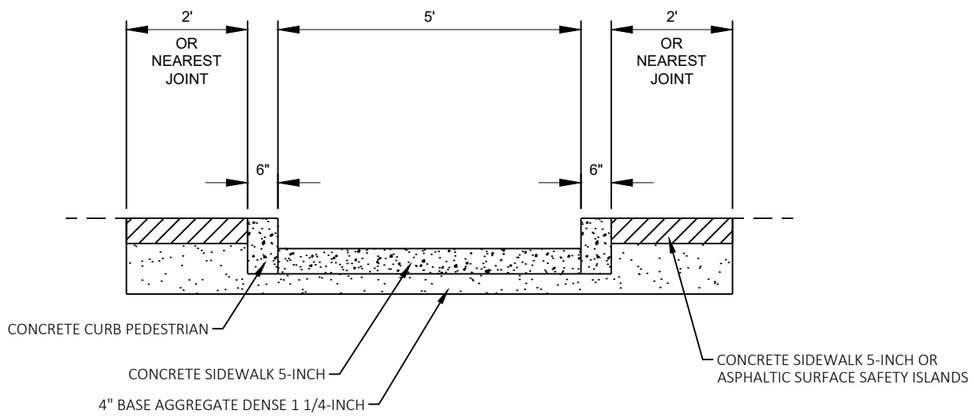
NOTES:

MINIMUM 0.5% DITCH SLOPE REQUIRED.

MAXIMUM DEPTH OF EXCAVATION AT CULVERT PIPE EQUALS CULVERT DIAMETER.

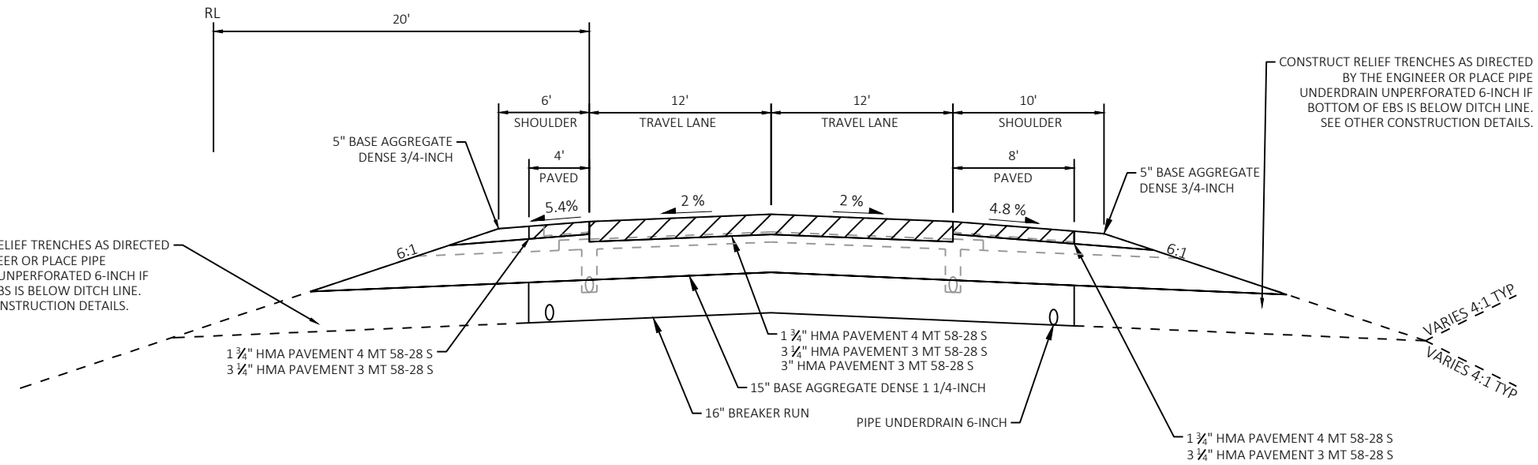
SEE EROSION CONTROL PLANS FOR SEEDING, FERTILIZER, AND EROSION MAT TYPES.

DO NOT USE FERTILIZER IN WETLANDS OR WITHIN 20' OF WETLANDS.



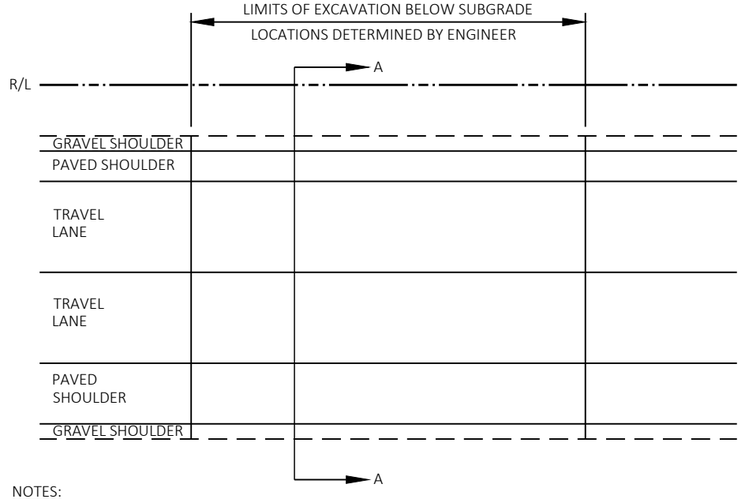
SAFETY ISLAND SIDEWALK

2



NORMAL CROWN ROADWAY

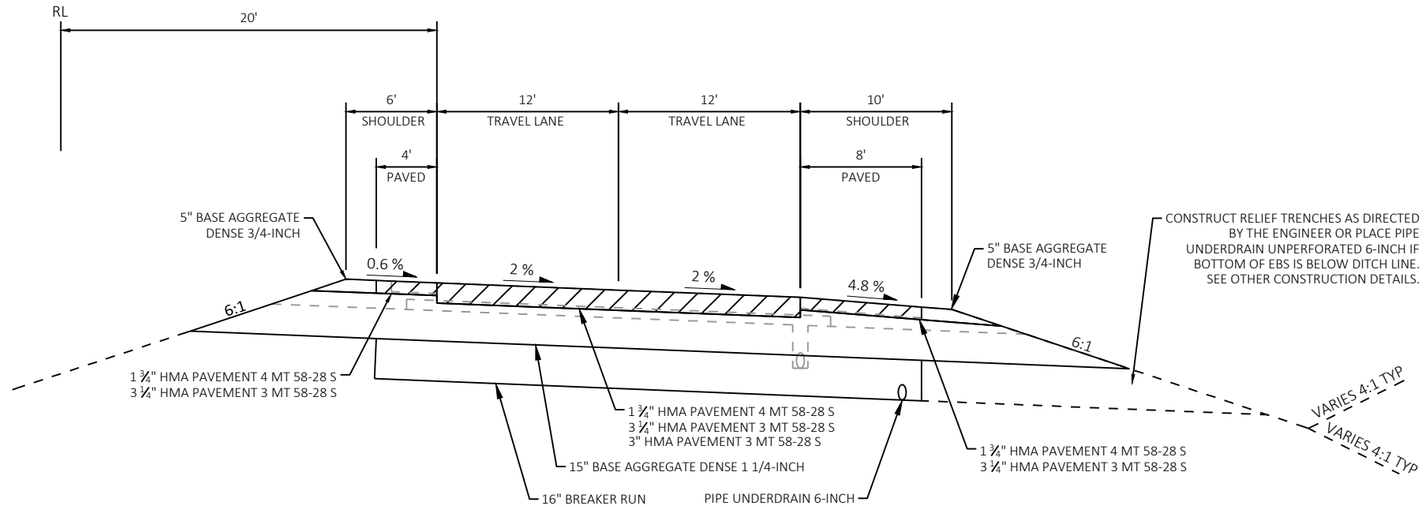
SECTION A-A



NOTES:

(*) MATCH SLOPE OF EXISTING SUBGRADE FOR BREAKER RUN, OR AS DIRECTED BY ENGINEER.

INSPECT REMAINING PAVEMENT AFTER MILLING TO GRADE. IDENTIFY AREAS OF SUBGRADE DISTRESS. ENGINEER TO IDENTIFY AREAS NEEDING EBS.



SUPERELEVATED ROADWAY

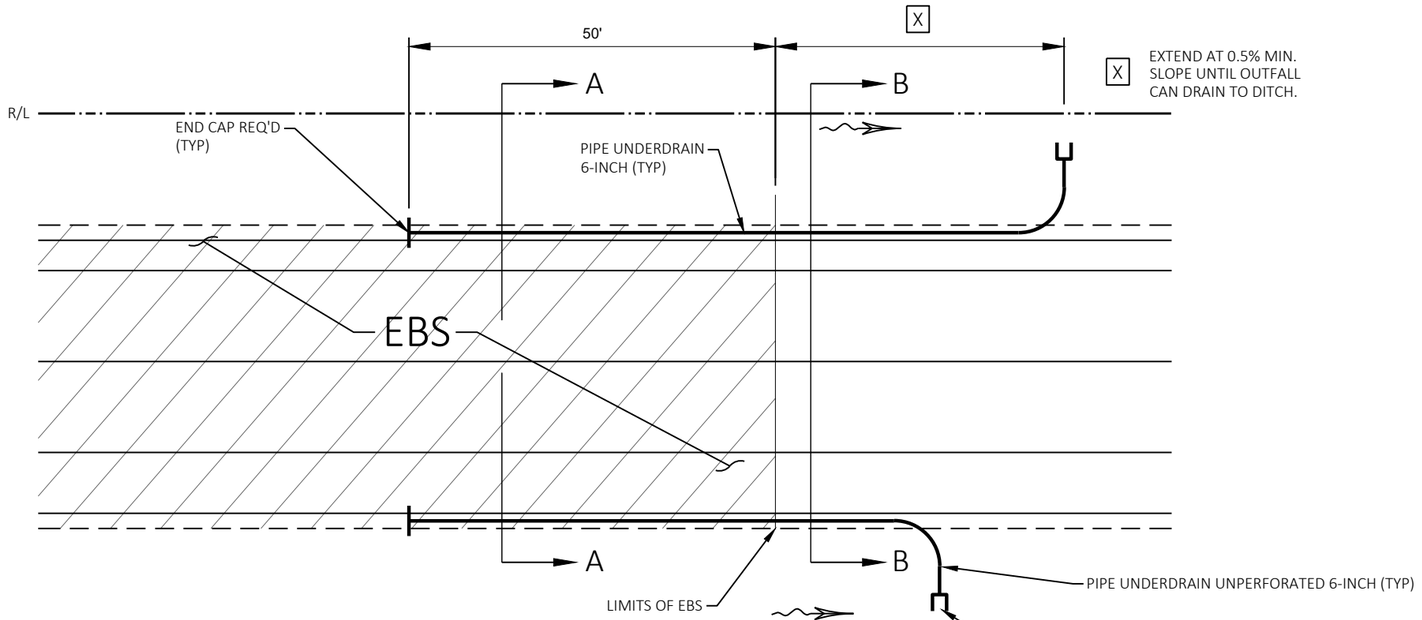
SECTION A-A

EXCAVATION BELOW SUBGRADE (EBS)

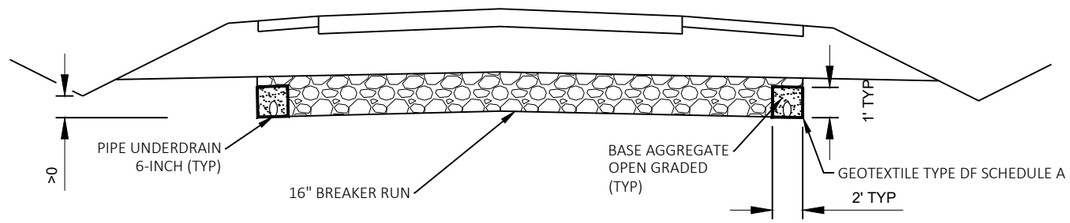
AREA OF CONCERN
209+00 TO 340+00 RT

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 53	E

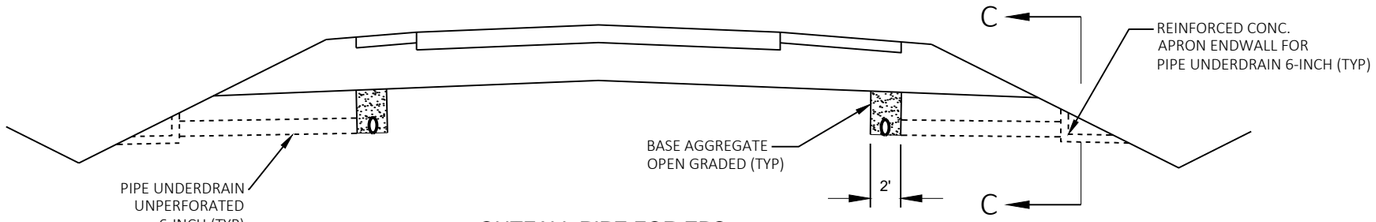
2



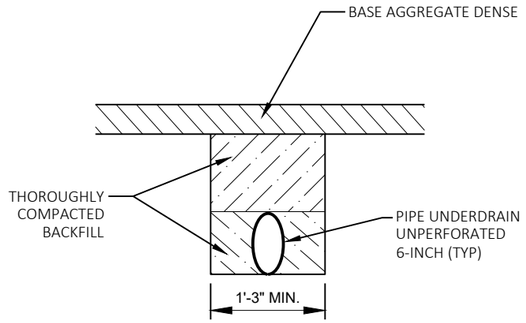
UNDERDRAIN AT EBS
PLAN VIEW



UNDERDRAIN AT EBS BELOW
PROPOSED DITCH
SECTION A-A



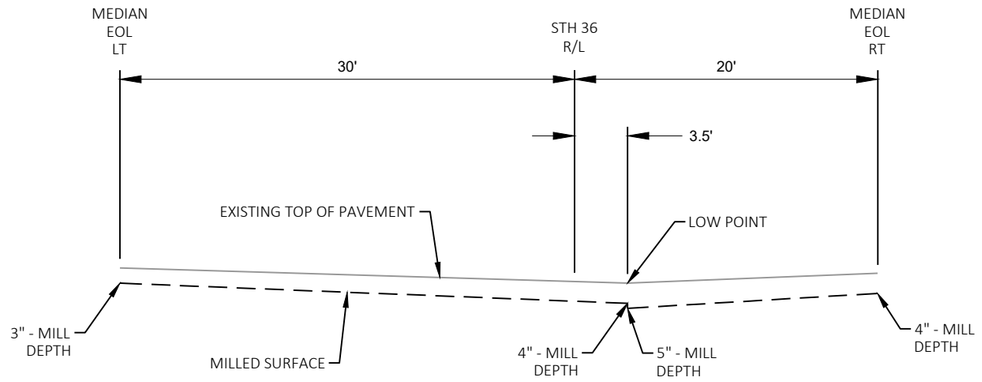
OUTFALL PIPE FOR EBS
DRAINAGE TO DITCH
SECTION B-B



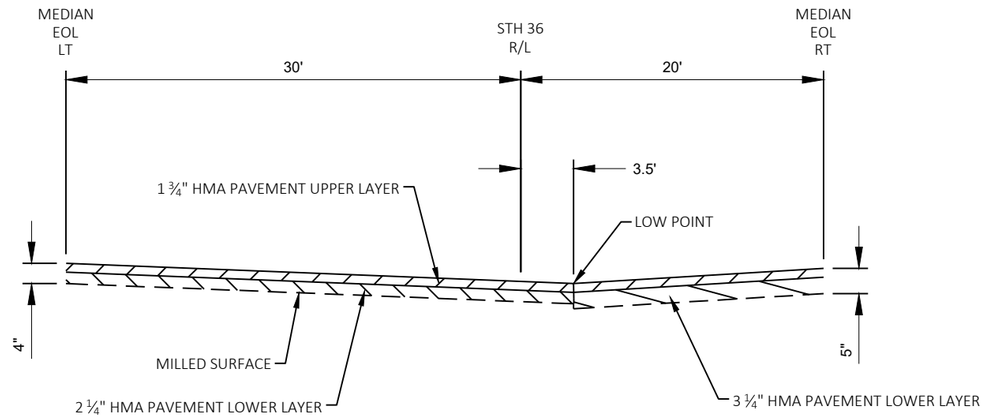
TRENCH FOR OUTFALL PIPE
SECTION C-C

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 54	E

2



MILLING DETAIL

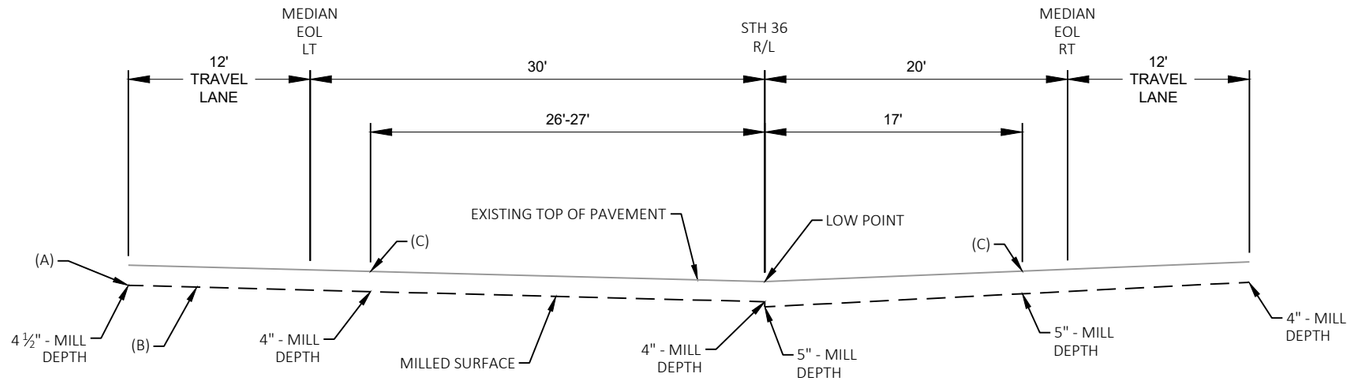


PAVING DETAIL

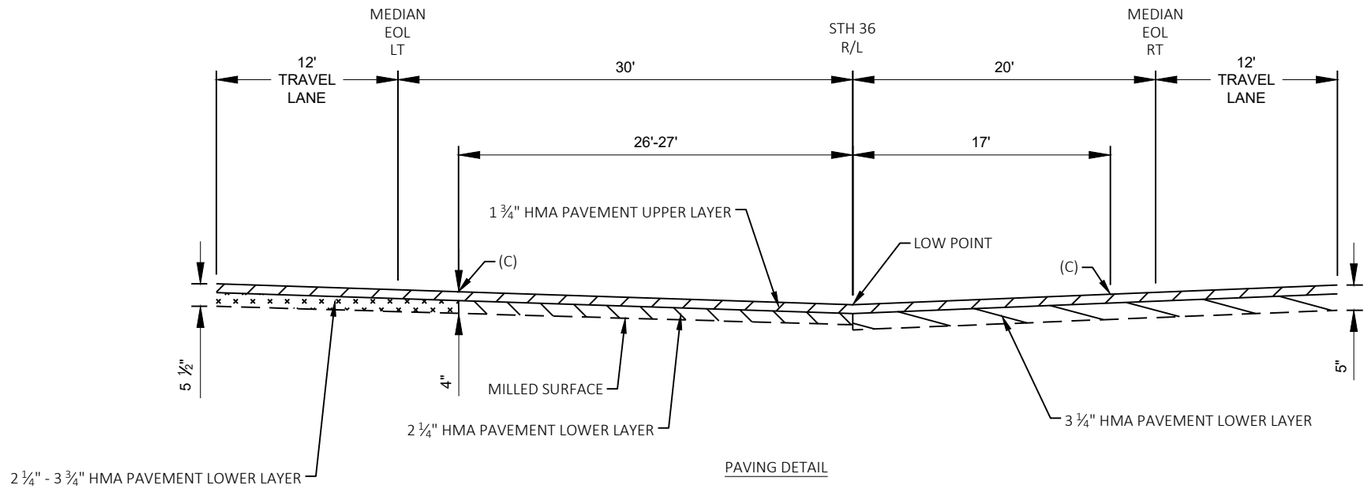
INTERSECTION MILLING AND PAVING AT RIVER ROAD

NOT TO SCALE

2



MILLING DETAIL



PAVING DETAIL

NOTES:

(A) MILL TO EXISTING CONCRETE PAVEMENT.

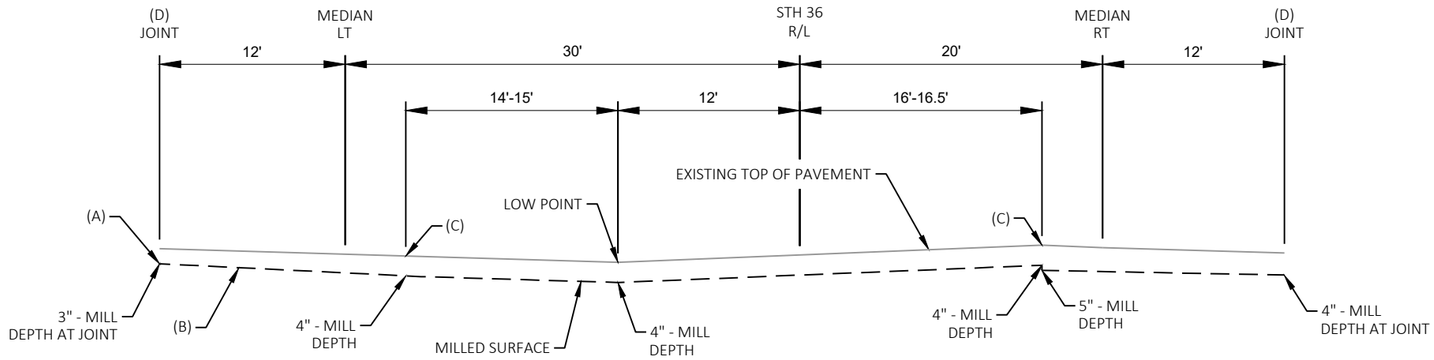
(B) MILL INTO EXISTING CONCRETE PAVEMENT (INCIDENTAL TO BID ITEM REMOVING ASPHALTIC SURFACE MILLING).

(C) PROJECTED FLANGE LINE OR EDGE OF PAVED SHOULDER.

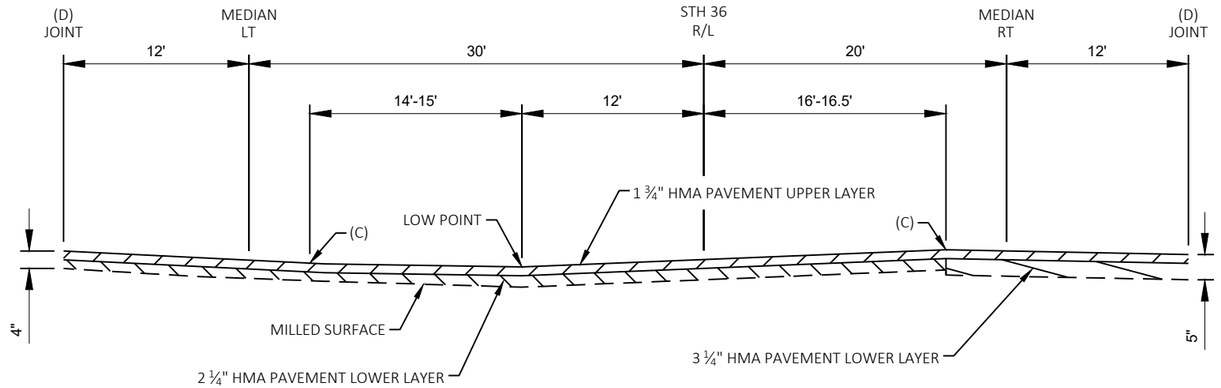
INTERSECTION MILLING AND PAVING AT CTH J

NOT TO SCALE

2



MILLING DETAIL



PAVING DETAIL

INTERSECTION MILLING AND PAVING AT CTH D

NOT TO SCALE

NOTES:

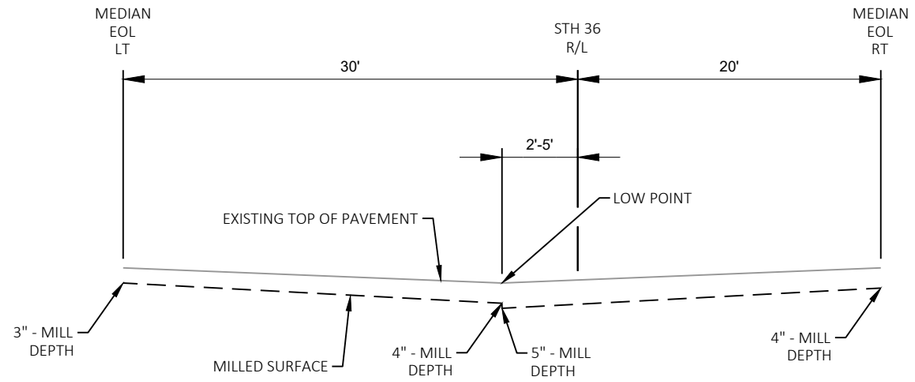
(A) MILL TO EXISTING CONCRETE PAVEMENT.

(B) MILL INTO EXISTING CONCRETE PAVEMENT (INCIDENTAL TO BID ITEM REMOVING ASPHALTIC SURFACE MILLING).

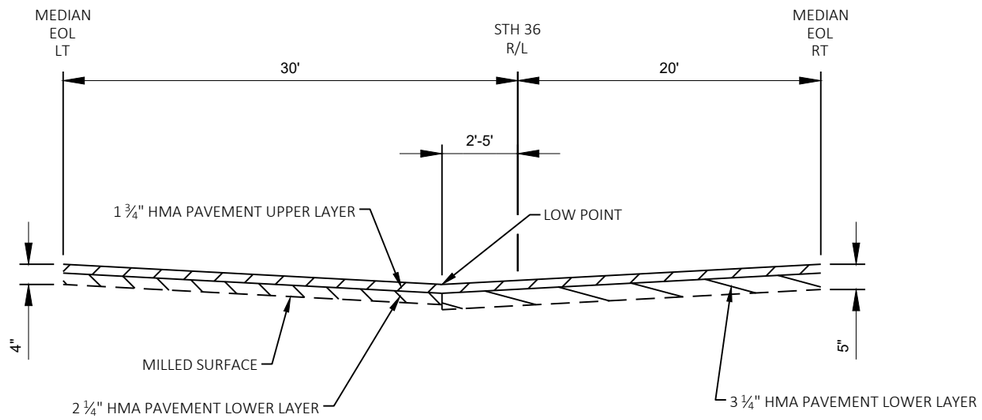
(C) PROJECTED FLANGE LINE OR EDGE OF PAVED SHOULDER.

(D) LANE LINES AND PAVEMENT JOINTS ARE NOT THE SAME.

2



MILLING DETAIL

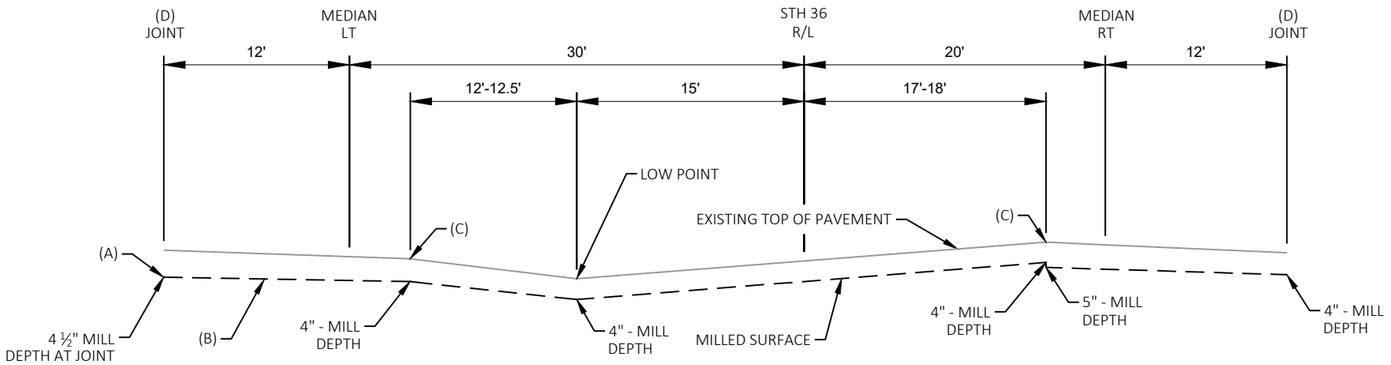


PAVING DETAIL

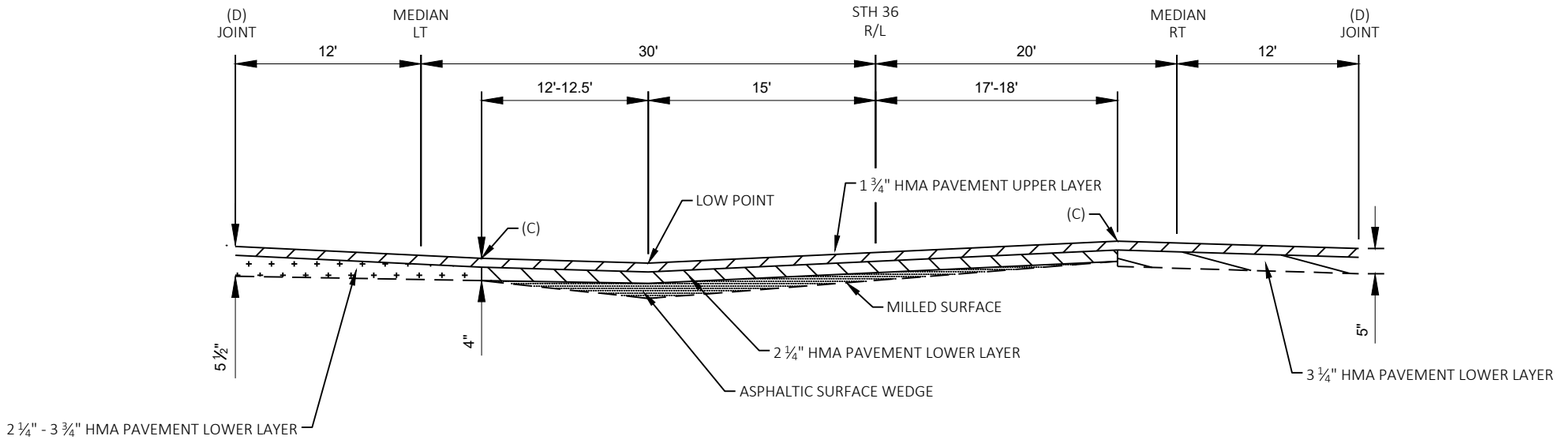
INTERSECTION MILLING AND PAVING AT HIDDEN CIRCLE

NOT TO SCALE

2



MILLING DETAIL



PAVING DETAIL

INTERSECTION MILLING AND PAVING AT STH 20

SEE PAVING GRADES PLAN FOR MORE INFORMATION

NOT TO SCALE

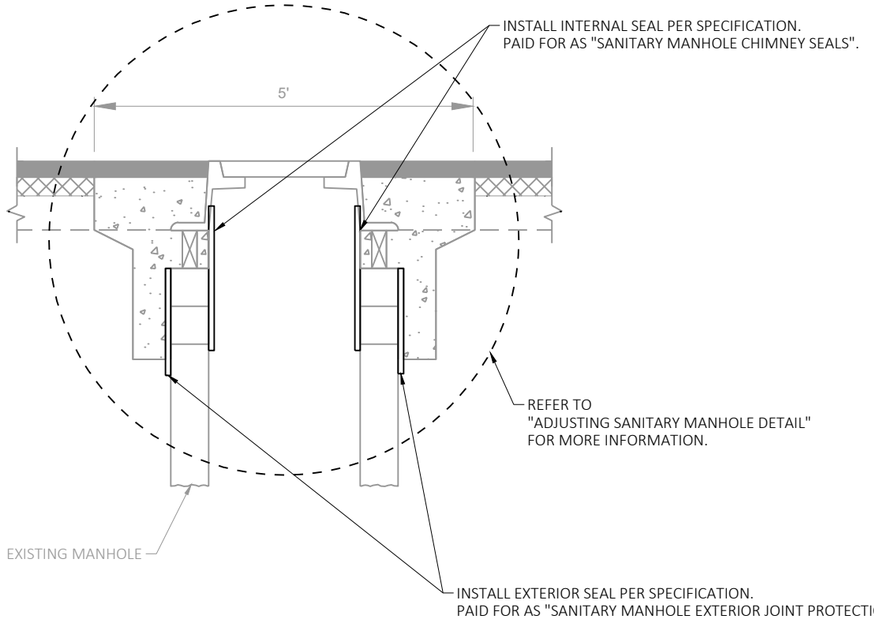
NOTES:

(A) MILL TO EXISTING CONCRETE PAVEMENT.

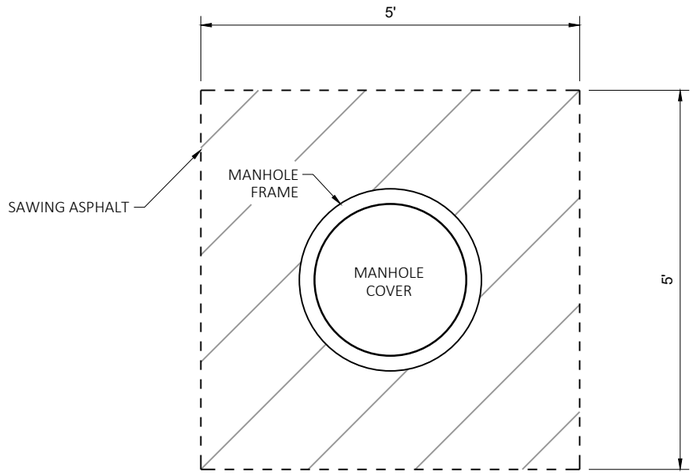
(B) MILL INTO EXISTING CONCRETE PAVEMENT (INCIDENTAL TO BID ITEM REMOVING ASPHALTIC SURFACE MILLING).

(C) PROJECTED FLANGE LINE OR EDGE OF PAVED SHOULDER.

(D) LANE LINES AND PAVEMENT JOINTS ARE NOT THE SAME.

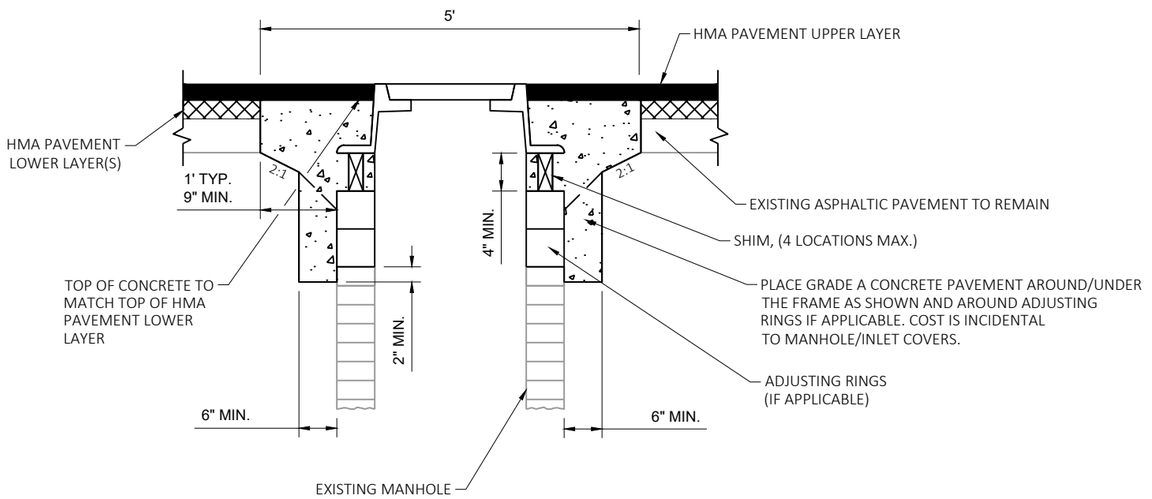


SANITARY MANHOLE SEALS



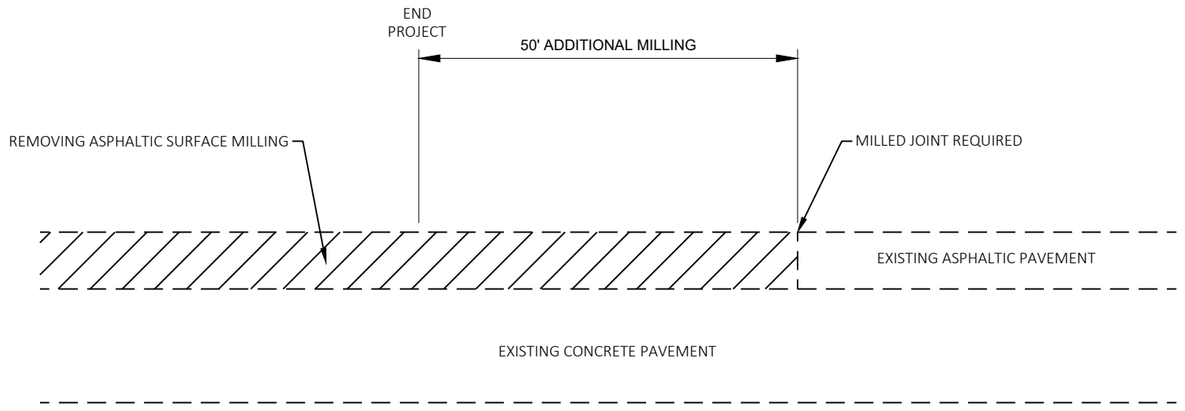
PLAN VIEW

EXCAVATION LIMITS



ADJUSTING SANITARY MANHOLE DETAIL

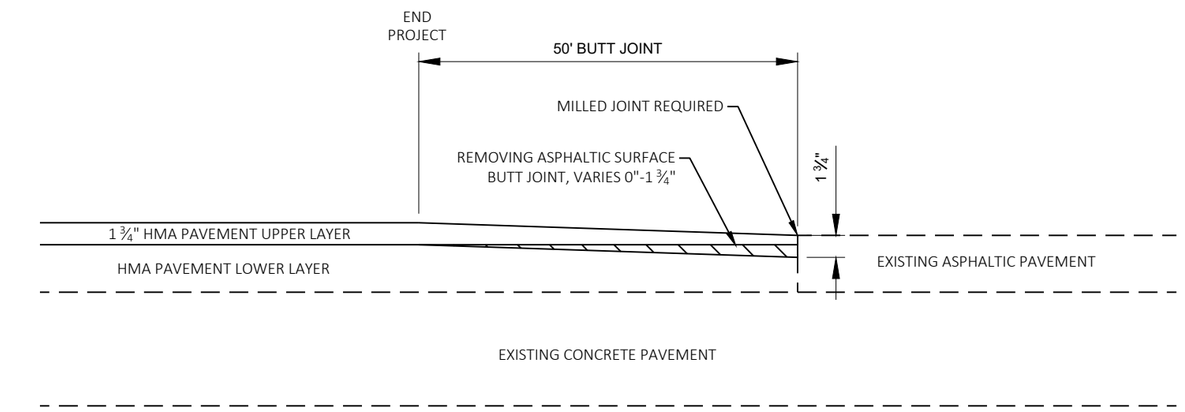
2



REMOVING ASPHALTIC SURFACE MILLING DETAIL AT SOUTHBOUND END JOINT

STA 351+75 TO STA 352+25, LT

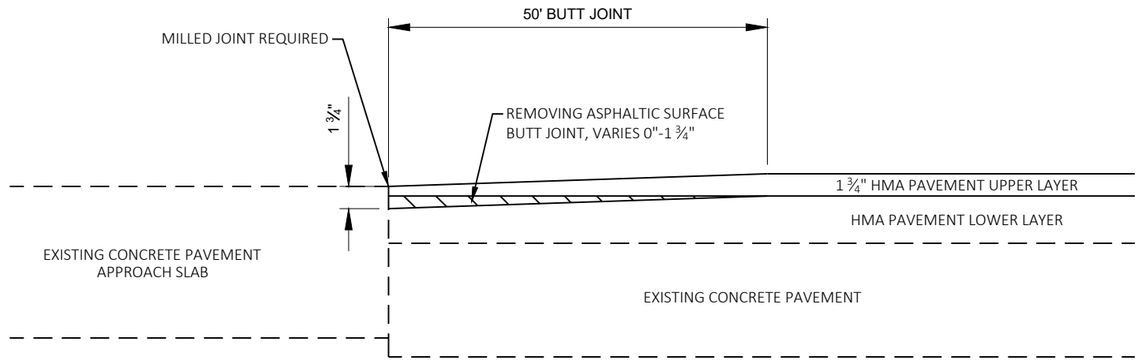
NOTE:
MILL JOINT PERPENDICULAR
TO DIRECTION OF TRAVEL.



HMA PAVEMENT UPPER LAYER BUTT JOINT DETAIL AT SOUTHBOUND END JOINT

STA 351+75 TO STA 352+25, LT

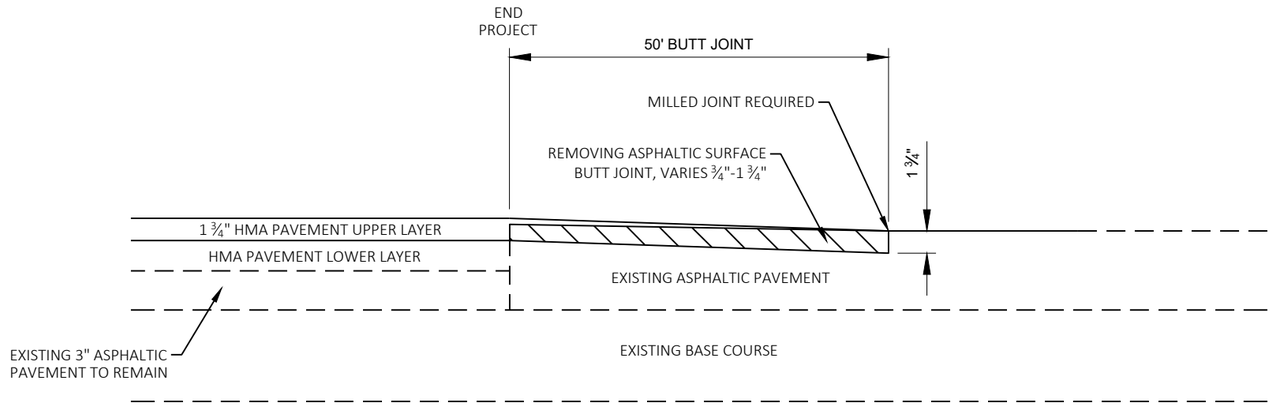
2



HMA PAVEMENT UPPER LAYER BUTT JOINT DETAIL AT SOUTHBOUND APPROACH SLABS

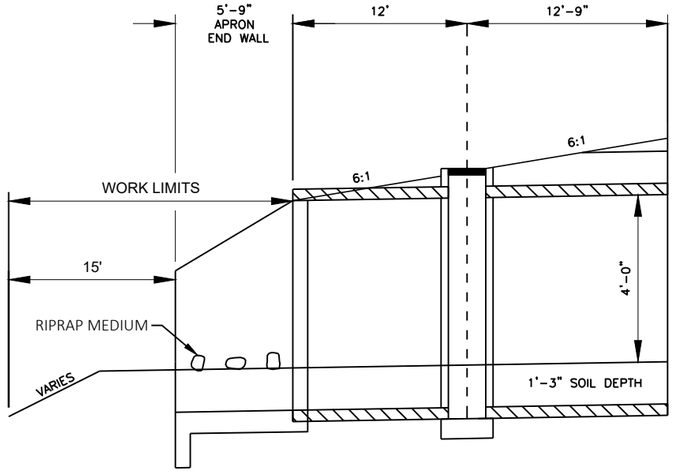
STA 231+12 TO STA 231+62, LT
STA 318+80 TO STA 319+30, LT
STA 321+93 TO 322+43, LT

NOTE:
MILL JOINT PERPENDICULAR
TO DIRECTION OF TRAVEL.



HMA PAVEMENT UPPER LAYER BUTT JOINT DETAIL AT NORTHBOUND END JOINT

STA 351+75 TO STA 352+25, RT



ECO-PASSAGE MAINTENANCE

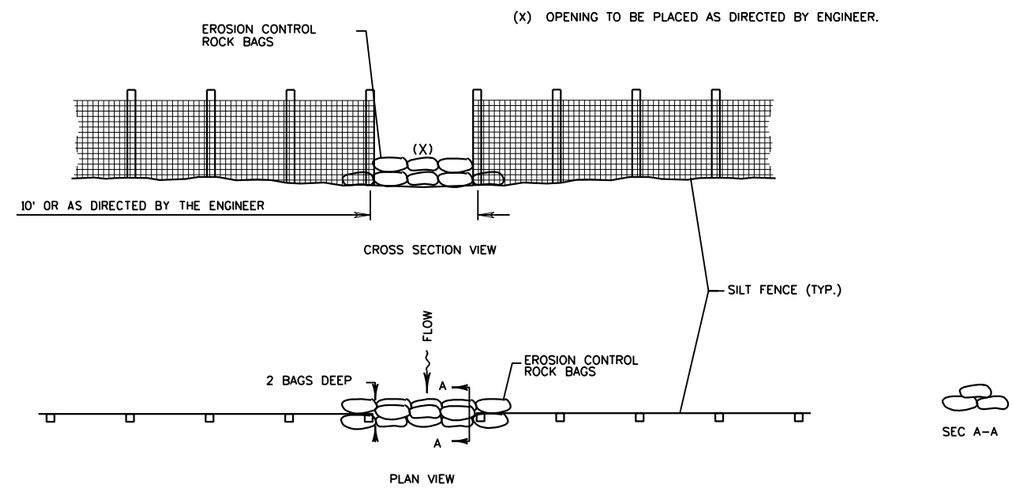
STA 1349+00, LT & RT

NOTES:

- ALL WORK SHALL TAKE PLACE WITHIN THE LIMITS SHOWN OR AS DIRECTED BY THE ENGINEER AND DNR. NO WORK IS TO TAKE PLACE WITHIN THE ECO-PASSAGE.
- UPROOT AND REMOVE WOODY VEGETATION FROM APRON ENDWALL AT THE DIRECTION OF THE ENGINEER AND DNR. PAID FOR UNDER THE BID ITEM CLEANING CULVERT PIPES.
- REMOVE BERMS, FILL LOW SPOTS, GRADE, AND SHAPE AS NECESSARY TO MAINTAIN A SOIL DEPTH OF 1'-3" IN THE APRON ENDWALL THAT SLOPES AWAY FROM THE ECO-PASSAGE, AS DIRECTED BY THE ENGINEER AND DNR. USE EXISTING SOIL MATERIAL TO PERFORM THIS WORK. SALVAGE AND RESET EXISTING ECO-PASSAGE STONES AS NECESSARY. PAID FOR UNDER THE BID ITEM CLEANING CULVERT PIPES.
- SPORADICALLY PLACE MEDIUM RIPRAP BY HAND FOR CRITTER PROTECTION AT THE DIRECTION OF THE ENGINEER AND DNR. PAID FOR UNDER THE BID ITEM RIPRAP MEDIUM.
- RESTORE AREAS OF BARE GROUND WITH NO. 60 SEED. PAID FOR UNDER THE BID ITEM SEEDING MIXTURE NO. 60.

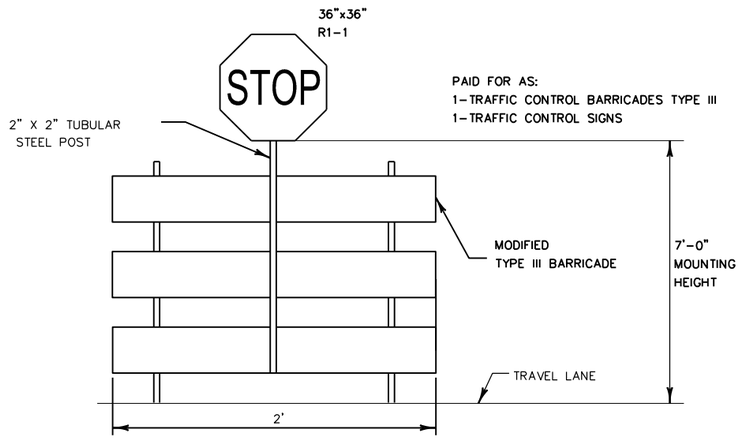
NOTES:

(X) OPENING TO BE PLACED AS DIRECTED BY ENGINEER.



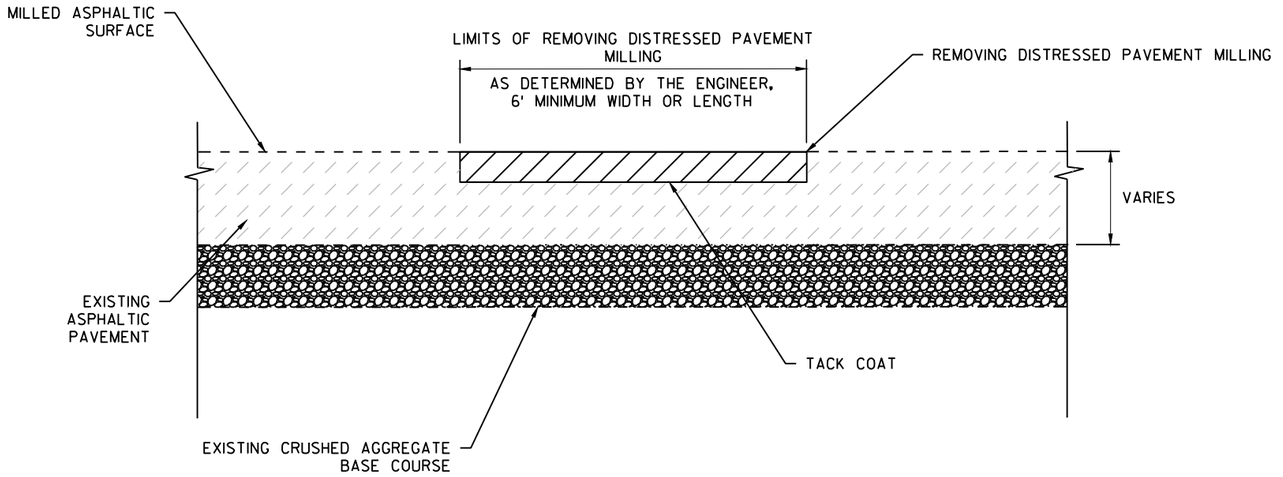
EROSION CONTROL ROCK BAG
OPENING IN SILT FENCE

LOCATIONS TO BE DETERMINED
IN FIELD BY ENGINEER



TEMPORARY STOP SIGN

2



REMOVING DISTRESSED PAVEMENT MILLING

NOTES:

MILL EXISTING SURFACE PER TYPICAL SECTION PRIOR TO REMOVING DISTRESSED PAVEMENT.

REMOVE DISTRESSED PAVEMENT BY MILLING IN 2" INCREMENTS AT THE DIRECTION OF THE ENGINEER.

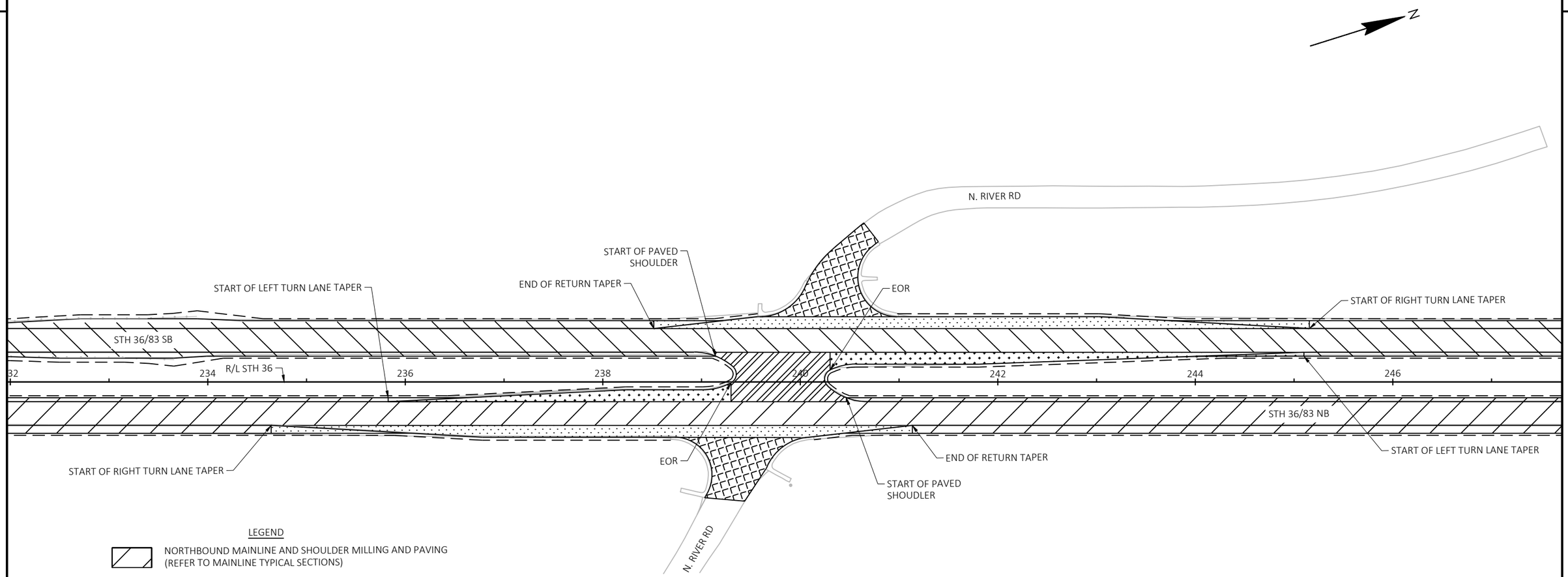
PLACE ASPHALTIC SURFACE PATCHING USING ENGINEER-APPROVED MACHINE METHODS AS DESCRIBED IN STANDARD SPEC 465.3

COMPACT USING ORDINARY COMPACTION PROCEDURE DESCRIBED IN STANDARD SPEC 450.3.2.6.

LIMITS OF DISTRESSED PAVEMENT MILLING TO BE REMOVED AND PAVED IN SAME DAY.

FINAL LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

2



LEGEND

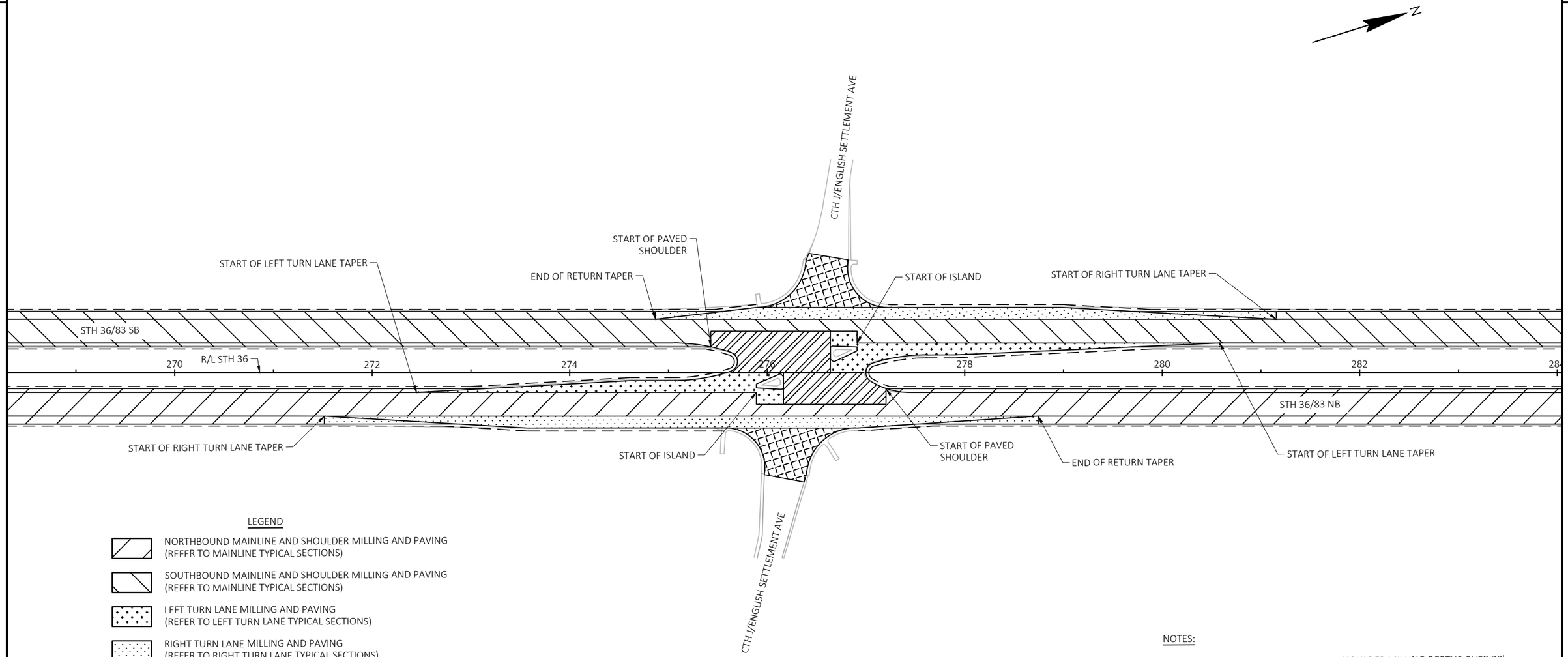
- NORTHBOUND MAINLINE AND SHOULDER MILLING AND PAVING (REFER TO MAINLINE TYPICAL SECTIONS)
- SOUTHBOUND MAINLINE AND SHOULDER MILLING AND PAVING (REFER TO MAINLINE TYPICAL SECTIONS)
- LEFT TURN LANE MILLING AND PAVING (REFER TO LEFT TURN LANE TYPICAL SECTIONS)
- RIGHT TURN LANE MILLING AND PAVING (REFER TO RIGHT TURN LANE TYPICAL SECTIONS)
- INTERSECTION MILLING AND PAVING (REFER TO INTERSECTION MILLING AND PAVING CONSTRUCTION DETAILS)
- SIDEROAD MILLING AND PAVING (REFER TO SIDEROAD TYPICAL SECTIONS)

MILLING AND PAVING - RIVER ROAD INTERSECTION

NOTES:

1. TRANSITION BETWEEN DIFFERENT SHOULDER MILLING DEPTHS OVER 20'.

2



LEGEND

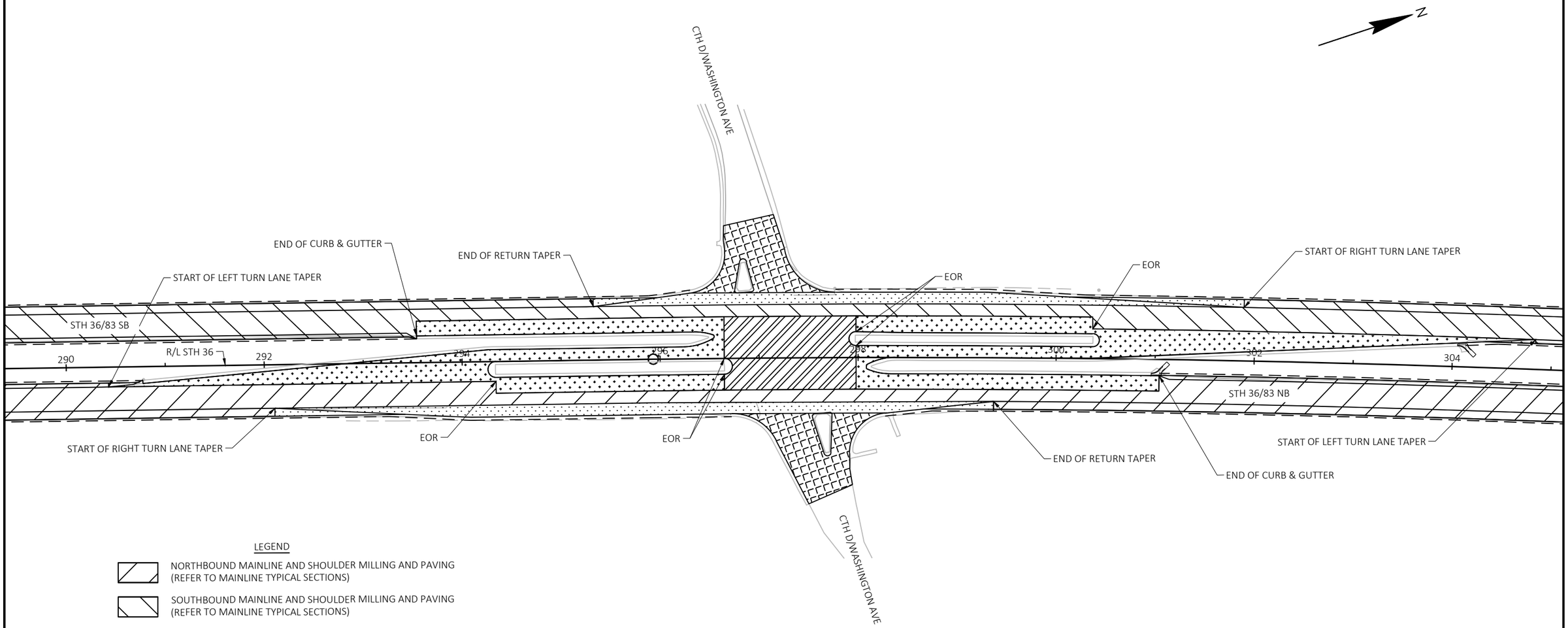
- NORTHBOUND MAINLINE AND SHOULDER MILLING AND PAVING (REFER TO MAINLINE TYPICAL SECTIONS)
- SOUTHBOUND MAINLINE AND SHOULDER MILLING AND PAVING (REFER TO MAINLINE TYPICAL SECTIONS)
- LEFT TURN LANE MILLING AND PAVING (REFER TO LEFT TURN LANE TYPICAL SECTIONS)
- RIGHT TURN LANE MILLING AND PAVING (REFER TO RIGHT TURN LANE TYPICAL SECTIONS)
- INTERSECTION MILLING AND PAVING (REFER TO INTERSECTION MILLING AND PAVING CONSTRUCTION DETAILS)
- SIDEROAD MILLING AND PAVING (REFER TO SIDEROAD TYPICAL SECTIONS)

MILLING AND PAVING - CTH J INTERSECTION

NOTES:

1. TRANSITION BETWEEN DIFFERENT SHOULDER MILLING DEPTHS OVER 20'.
2. TRANSITION BETWEEN DIFFERENT TRAVEL LANE MILLING DEPTHS OVER 50'.
3. DO NOT OVERLAY CURB AND GUTTER.

2



LEGEND

- NORTHBOUND MAINLINE AND SHOULDER MILLING AND PAVING (REFER TO MAINLINE TYPICAL SECTIONS)
- SOUTHBOUND MAINLINE AND SHOULDER MILLING AND PAVING (REFER TO MAINLINE TYPICAL SECTIONS)
- LEFT TURN LANE MILLING AND PAVING (REFER TO LEFT TURN LANE TYPICAL SECTIONS)
- RIGHT TURN LANE MILLING AND PAVING (REFER TO RIGHT TURN LANE TYPICAL SECTIONS)
- INTERSECTION MILLING AND PAVING (REFER TO INTERSECTION MILLING AND PAVING CONSTRUCTION DETAILS)
- SIDEROAD MILLING AND PAVING (REFER TO SIDEROAD TYPICAL SECTIONS)

MILLING AND PAVING - CTH D INTERSECTION

NOTES:

1. TRANSITION BETWEEN DIFFERENT SHOULDER MILLING DEPTHS OVER 20'.
2. TRANSITION BETWEEN DIFFERENT TRAVEL LANE MILLING DEPTHS OVER 50'.
3. DO NOT OVERLAY CURB AND GUTTER.

2

LEGEND

NORTHBOUND MAINLINE AND SHOULDER MILLING AND PAVING
(REFER TO MAINLINE TYPICAL SECTIONS)

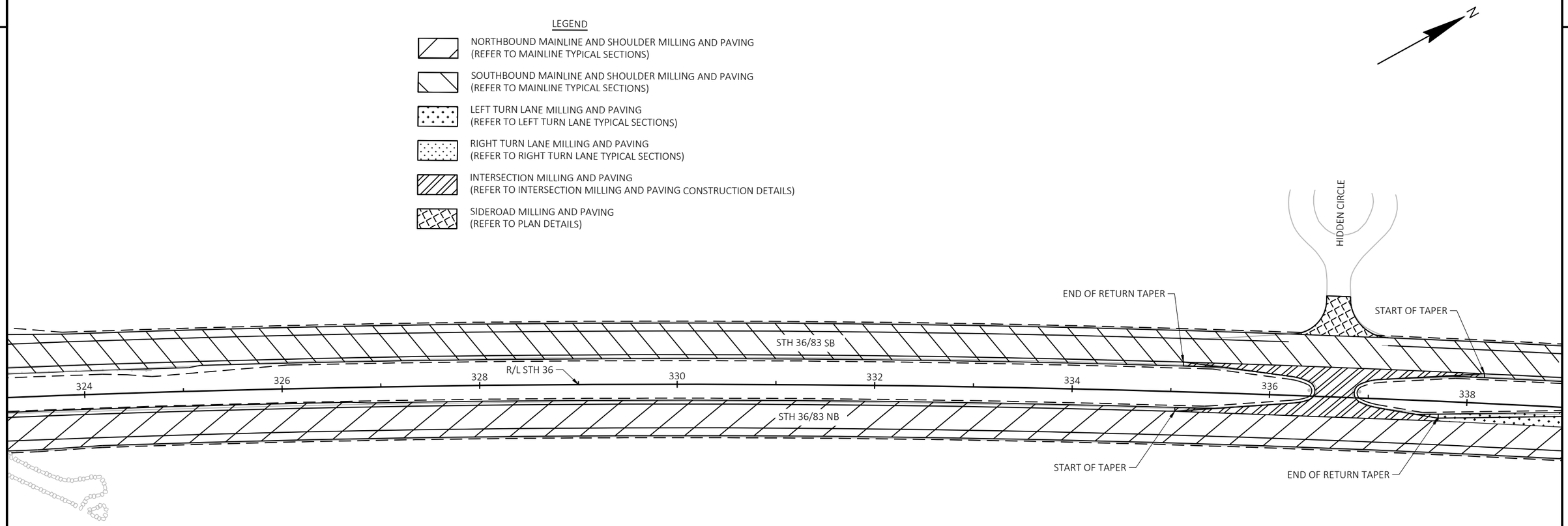
SOUTHBOUND MAINLINE AND SHOULDER MILLING AND PAVING
(REFER TO MAINLINE TYPICAL SECTIONS)

LEFT TURN LANE MILLING AND PAVING
(REFER TO LEFT TURN LANE TYPICAL SECTIONS)

RIGHT TURN LANE MILLING AND PAVING
(REFER TO RIGHT TURN LANE TYPICAL SECTIONS)

INTERSECTION MILLING AND PAVING
(REFER TO INTERSECTION MILLING AND PAVING CONSTRUCTION DETAILS)

SIDEROAD MILLING AND PAVING
(REFER TO PLAN DETAILS)



MILLING AND PAVING - HIDDEN CIRCLE INTERSECTION

NOTES:

1. TRANSITION BETWEEN DIFFERENT SHOULDER MILLING DEPTHS OVER 20'.

2

2

LEGEND

NORTHBOUND MAINLINE AND SHOULDER MILLING AND PAVING
(REFER TO MAINLINE TYPICAL SECTIONS)

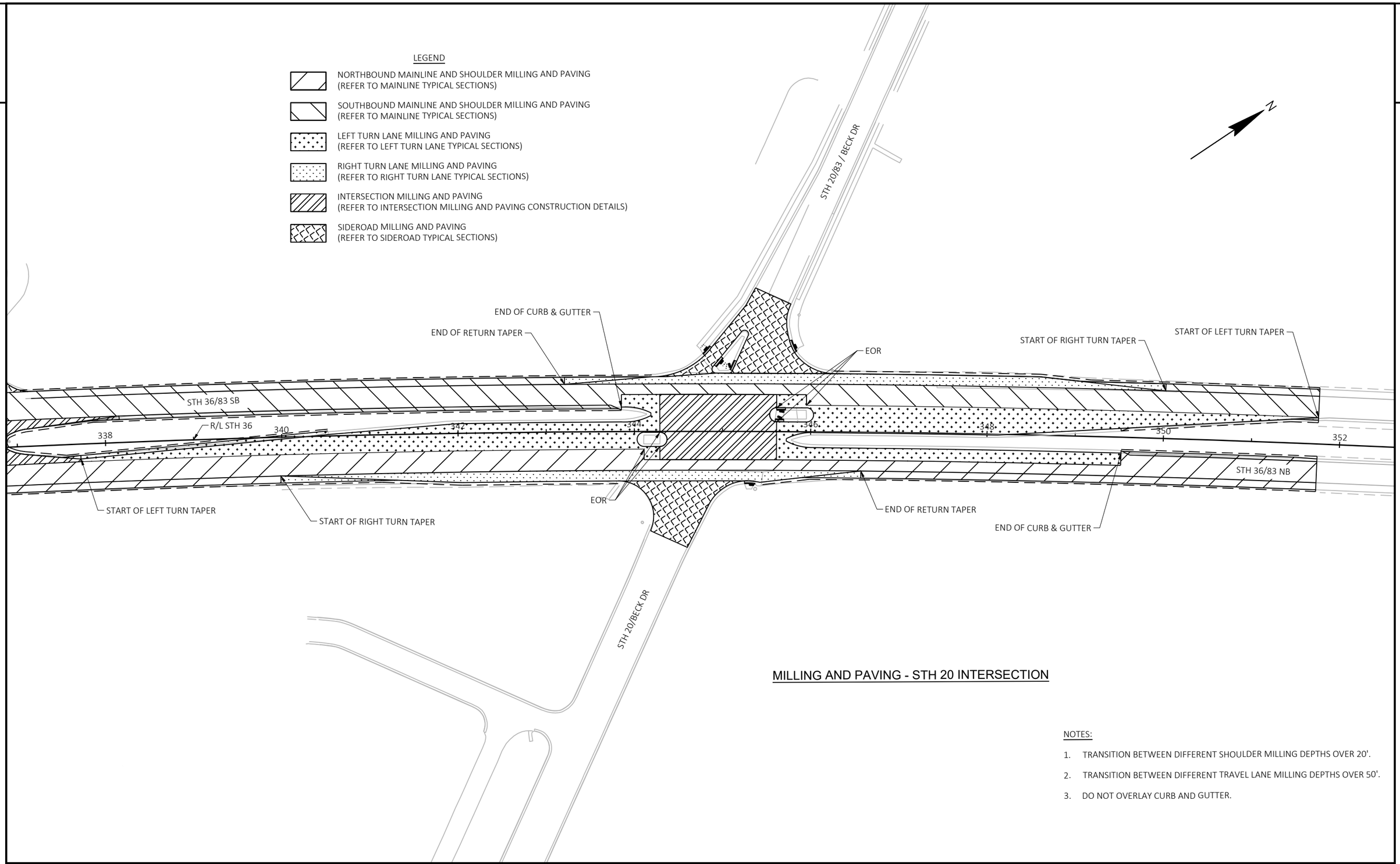
SOUTHBOUND MAINLINE AND SHOULDER MILLING AND PAVING
(REFER TO MAINLINE TYPICAL SECTIONS)

LEFT TURN LANE MILLING AND PAVING
(REFER TO LEFT TURN LANE TYPICAL SECTIONS)

RIGHT TURN LANE MILLING AND PAVING
(REFER TO RIGHT TURN LANE TYPICAL SECTIONS)

INTERSECTION MILLING AND PAVING
(REFER TO INTERSECTION MILLING AND PAVING CONSTRUCTION DETAILS)

SIDEROAD MILLING AND PAVING
(REFER TO SIDEROAD TYPICAL SECTIONS)



MILLING AND PAVING - STH 20 INTERSECTION

NOTES:

1. TRANSITION BETWEEN DIFFERENT SHOULDER MILLING DEPTHS OVER 20'.
2. TRANSITION BETWEEN DIFFERENT TRAVEL LANE MILLING DEPTHS OVER 50'.
3. DO NOT OVERLAY CURB AND GUTTER.

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 69	E

2

STH 20/83/BECK DR

405+00

R/L STH 83

STH 36/83 SB

STH 36 SB

782.85 783.00 783.04 783.02 782.94 782.96 783.00 783.10 783.10

0.51% 1.27% 0.69% 0.25% 0.04% 0.12%

12.5' 12.0'

SS RIM = 782.81

SS RIM = 782.91

782.98 0.45% 782.86 782.86 782.93 0.30% 783.01

783.00

1.22% 1.20% 0.65% 0.51% 0.51% 0.16%

15.0' 15.0'

LP

783.09 783.08 783.08 783.00

344+00 345+00 346+00

783.18 783.16 783.16 783.04 782.94 783.08 783.10

R/L STH 36

0.00%

783.01

SAN RIM = 783.10

783.00

0.94% 0.93% 0.52% 0.10% 0.06%

17.0' 18.0'

783.21 783.10 783.10 783.10 783.12

783.25

783.34

STH 36/83 NB

STH 36 NB

102+00

R/L STH 20

STH 20/BECK DR

SIGN

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVING GRADES - STH 20	SHEET 70	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021102-ID.DWG
LAYOUT NAME - 01

PLOT DATE : 2/1/2022 10:06 AM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

CITY OF BURLINGTON
TOWN OF BURLINGTON
R/W
S. PINE ST
CE
DS
MATCH EXIST.
SEE SIGNAL PLAN FOR LOCATIONS OF LOOPS
EXIST. GUARDRAIL TO REMAIN (A)
EXIST. CG TO REMAIN
PC: 1128+99.48 'B'
STH 11/36 SB
STH 11/36/83 SB
1116'B'
1118'B'
1120'B'
1122'B'
1124'B'
1126'B'
1128'B'
1130'B'
R/L BYPASS
STH 11/36 NB
STH 11/36/83 NB
CI
BEGIN PROJECT
STA 1125'B'+00
R/L PINE
352
354
40'
15'
12'
36'
2'
EXIST. FENCE TO REMAIN
CONCRETE C&G 6-INCH SLOPED 36-INCH TYPE D (DRIVEWAY CURB) 1129+05 - 1130+83
SLOPE INTERCEPT (TYP)
MC
STH 83/S. PINE ST
N

(A) INSTALL GUARDRAIL MOW STRIP EMULSIFIED ASPHALT IN ACCORDANCE WITH STANDARD DETAIL DRAWING: GUARDRAIL MOW STRIP. MOW STRIP WIDTH 3.5' FROM FACE OF RAIL. DO NOT INSTALL IN AREAS ADJACENT TO CURB & GUTTER.

LEGEND
- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- (DS) DITCHING AND SHAPING
- (CE) CLEANING CULVERT PIPES
- (AI) ADJUSTING INLET COVERS
- (MC) MARKERS CULVERT END
- (CI) CLEANING INLETS

CN RAILROAD
TOWN OF BURLINGTON
CITY OF BURLINGTON
FOX RIVER
EXIST. CONCRETE APPROACH SLAB TO REMAIN
MATCH SLAB
EXIST. GUARDRAIL TO REMAIN (A)
NET EXCEPTION TO CL LENGTH STA 1132'B'+49.94 - STA 1142'B'+93.47
B-51-94
B-51-93
MGS GUARDRAIL 3 (A) 1143+33 - 1145+09
MGS GUARDRAIL TERMINAL EAT (A) 1145+09 - 1145+62
MGS THRIE BEAM TRANSITION (A)
REMOVING GUARDRAIL
+11.85 -19.00' LT
+62.05 -17.00' LT
+22.38 -21.00' LT
1132'B'
1134'B'
1136'B'
1138'B'
1140'B'
1142'B'
1144'B'
1146'B'

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 71	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 01
PLOT DATE : 3/2/2022 10:12 AM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2

2

R/W

PT : 1149+27.38 'B'

STH 11/36/83 SB

STH 11/36/83 NB

1148'B'

1150'B'

1152'B'

1154'B'

1156'B'

1158'B'

1160'B'

1162'B'

SLOPE INTERCEPT (TYP)

R/L BYPASS

DS

CE

BREVER ROAD

REMOVING GUARDRAIL

MGS GUARDRAIL TERMINAL TYPE 2 (A)

MGS GUARDRAIL 3 (A)
1154+85 - 1157+35

MGS GUARDRAIL TERMINAL EAT (A)
1157+35 - 1157+88

EXIST. CG TO REMAIN

+53.80
-21.00' LT

+83.80
19.00' LT

+87.50
19.00' RT

+77.50
21.00' RT

+37.50
17.00' RT

+55.12
19.00' RT

+85.12
21.00' RT

+37.93
-19.00' LT

+87.92
-17.00' LT

+47.92
-21.00' LT

MGS GUARDRAIL TERMINAL EAT (A)
1152+38 - 1152+91

MGS GUARDRAIL 3 (A)
1152+91 - 1155+53

MGS GUARDRAIL TERMINAL TYPE 2 (A)

B-51-95

CAUTION

36'

2'

LEGEND

- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- DS — DITCHING AND SHAPING
- CE — CLEANING CULVERT PIPES
- AI — ADJUSTING INLET COVERS
- MC — MARKERS CULVERT END
- CI — CLEANING INLETS

(A) INSTALL GUARDRAIL MOW STRIP EMULSIFIED ASPHALT IN ACCORDANCE WITH STANDARD DETAIL DRAWING: GUARDRAIL MOW STRIP. MOW STRIP WIDTH 3.5' FROM FACE OF RAIL. DO NOT INSTALL IN AREAS ADJACENT TO CURB & GUTTER.

BUSHNELL RD/STH 142

STH 142 NE RAMP

STH 142 SW RAMP

MATCH EXIST.

MGS GUARDRAIL 3 (A)
1173+17 - 1176+04

MGS GUARDRAIL TERMINAL TYPE 2 (A)

MGS GUARDRAIL TERMINAL EAT (A)
1176+04 - 1176+57

MGS GUARDRAIL TERMINAL EAT (A)
1170+96 - 1171+49

MGS GUARDRAIL 3 (A)
1171+49 - 1174+37

MGS GUARDRAIL TERMINAL TYPE 2 (A)

B-51-92

+85.88
-21.00' LT

+15.88
-19.00' LT

+46.14
19.00' RT

+36.14
21.00' RT

+96.14
17.00' RT

+37.77
19.00' RT

+67.77
21.00' RT

+07.51
-19.00' LT

+57.51
-17.00' LT

+19.17
-21.00' LT

50'

48'

40'

3'

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 72	E

2

2

R/W

EXIST. CG
TO REMAIN

3'

40'

STH 11/36/83 SB

1180'B'

2'

1182'B'

1184'B'

1186'B'

R/L BYPASS

2'

36'

2'

1188'B'

1190'B'

1192'B'

STH 11/36/83 SB

STH 11/36/83 NB

36'

2'

EXIST. CG
TO REMAIN

STH 11/36/83 NB

R/W

R/W

CE

DS

DS

CE

HOOSIER CREEK

N

R/W

DS

B-51-96

CE

DS

STH 11/36/83 SB

CE

DS

DS

HOOSIER CREEK

R/W

LEGEND

- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- (DS) DITCHING AND SHAPING
- (CE) CLEANING CULVERT PIPES
- (AI) ADJUSTING INLET COVERS
- (MC) MARKERS CULVERT END
- (CI) CLEANING INLETS

R/W

R/W

CE

2'

36'

STH 11/36/83 SB

STH 11/36/83 SB

1194'B'

1196'B'

1198'B'

R/L BYPASS

1200'B'

1202'B'

2'

2'

1204'B'

1206'B'

1208'B'

STH 11/36/83 NB

36'

2'

STH 11/36/83 NB

R/W

R/W

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 73	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 03

PLOT DATE : 3/2/2022 10:14 AM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

R/W

WHITE RIVER STATE TRAIL

R/W

2'

36'

STH 11/36/83 SB

STH 11/36/83 SB

1210'B' 1212'B' 1214'B' 1216'B' 1218'B' 1220'B' 1222'B' 1224'B'

2'

R/L BYPASS

2'

STH 11/36/83 NB

36'

STH 11/36/83 NB

2'

24" CPRC

24" CPRC

48" CPRC

MC

CE

C-51-24

R/W

WHITE RIVER STATE TRAIL

R/W

LEGEND

- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- (DS) DITCHING AND SHAPING
- (CE) CLEANING CULVERT PIPES
- (AI) ADJUSTING INLET COVERS
- (MC) MARKERS CULVERT END
- (CI) CLEANING INLETS

OH

R/W

OH

R/W

2'

39'

STH 11/36/83 SB

PC: 1237+87.99 'B'

STH 11/36/83 SB

1226'B' 1228'B' 1230'B' 1232'B' 1234'B' 1236'B' 1238'B' 1240'B'

2'

R/L BYPASS

2'

STH 11/36/83 NB

36'

STH 11/36/83 NB

2'

CI

24" CPRC

OH

WHITE RIVER STATE TRAIL

R/W

R/W

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 74	E

2

2

R/W

STH 11/36/83 SB

STH 11/36/83 NB

1242'B'

1244'B'

1246'B'

1248'B'

1250'B'

1252'B'

1254'B'

1256'B'

R/L BYPASS

DS

CE

2'

36'

2'

2'

36'

2'

N

R/W

STH 11/36/83 SB

STH 11/36/83 NB

R/W

LEGEND

- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- (DS) DITCHING AND SHAPING
- (CE) CLEANING CULVERT PIPES
- (AI) ADJUSTING INLET COVERS
- (MC) MARKERS CULVERT END
- (CI) CLEANING INLETS

N

R/W

R/W

261+69.12 'B'

STH 11/36/83 SB

STH 11/36/83 NB

1258'B'

1260'B'

1262'B'

1264'B'

1266'B'

1268'B'

1270'B'

1272'B'

R/L BYPASS

DS

CE

2'

36'

2'

2'

36'

2'

CE

DS

24' CTRE

ASPHALTIC FLUMES

R/W

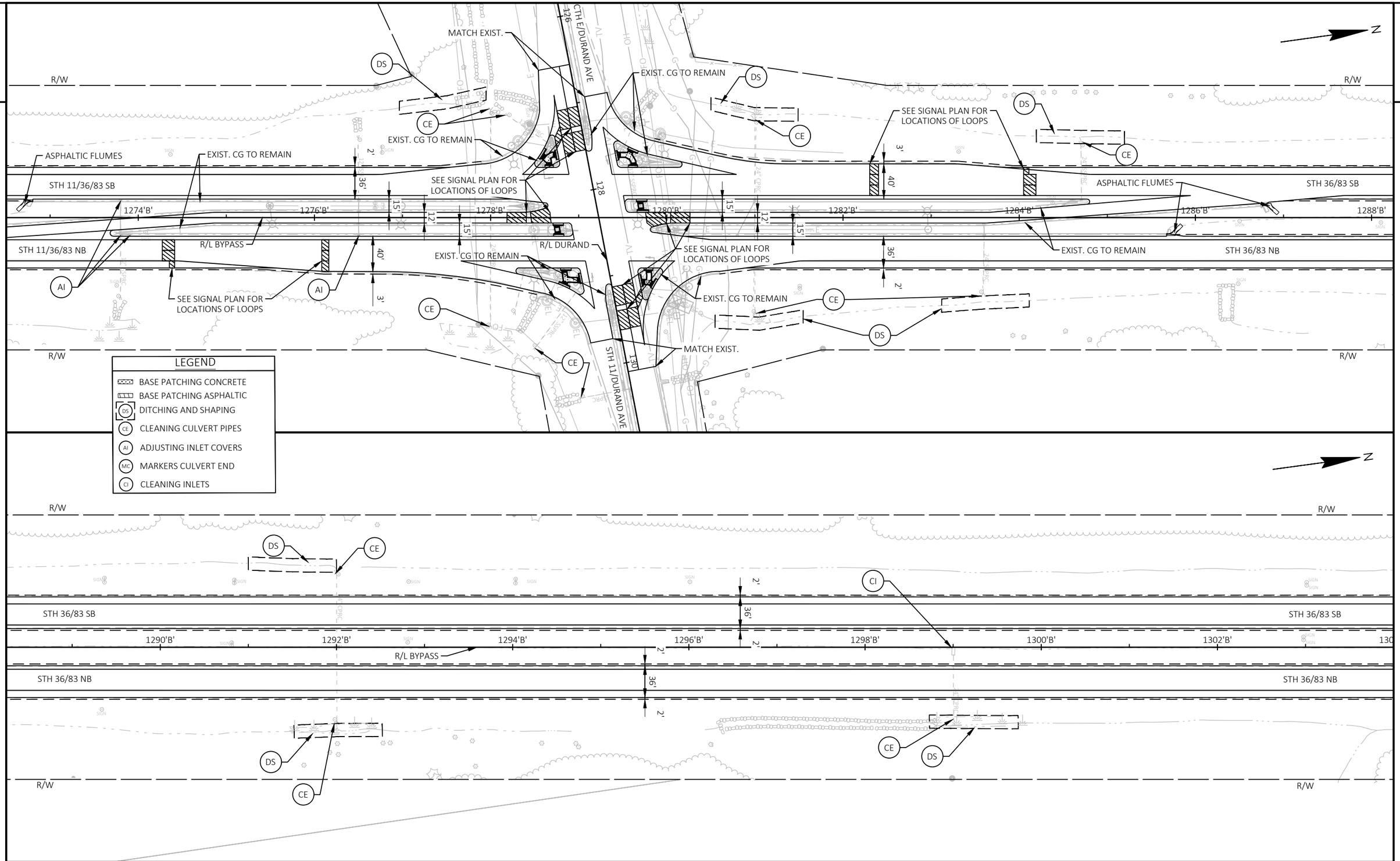
R/W

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 75	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 05

PLOT DATE : 3/2/2022 10:15 AM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 76	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 06

PLOT DATE : 3/2/2022 10:16 AM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

R/W

EXIST ECO-PASSAGE
NO WORK TO TAKE
PLACE

REPLACE DAMAGED
SECTION OF FENCE
CHAIN LINK 4.5-FT

SECTION CORNER
MONUMENT
DO NOT DISTURB

CE

DS

FENCE BASED CLEARING
STA 1305'B'+00 - STA 1324'B'+00, LT

EXIST. FENCE TO REMAIN

PC: 1314+67.34 'B'

PT: 1318+77.96 'B'

STH 36/83 SB

STH 36/83 NB

4'B'

1306'B'

R/L BYPASS

1308'B'

1310'B'

1312'B'

1314'B'

1316'B'

1318'B'

2'

36'

2'

36'

2'

CI

CE

DS

EXIST. FENCE TO REMAIN

CE

DS

CE

R/W

R/W

FENCE BASED CLEARING
STA 1304'B'+00 - STA 1316'B'+00, RT

LEGEND

- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- (DS) DITCHING AND SHAPING
- (CE) CLEANING CULVERT PIPES
- (AI) ADJUSTING INLET COVERS
- (MC) MARKERS CULVERT END
- (CI) CLEANING INLETS

N

R/W

DS

EXIST. FENCE TO REMAIN

STH 36/83 SB

STH 36/83 NB

1320'B'

1322'B'

1324'B'

1326'B'

1328'B'

1330'B'

1332'B'

1334'B'

R/L BYPASS

2'

36'

2'

36'

2'

CE

DS

R/W

SLOPE INTERCEPT (TYP)

PC: 1331+50.03 'B'

CAUTION

KETTERHAGEN RD

MGS GUARDRAIL
TERMINAL TYPE 2 (A)

B-51-101

MGS GUARDRAIL 3 (A)
1332+33 - 1334+96

MGS GUARDRAIL
TERMINAL EAT (A)
1334+96 - 1335+49

+01.06
-21.00' LT

+31.60
-19.00' LT

+98.90
-19.00' LT

+46.84
21.00' RT

+41.21
21.00' RT

+01.21
17.00' RT

+51.21
19.00' RT

+17.42
19.00' RT

REMOVING GUARDRAIL

MGS GUARDRAIL 3 (A)
1330+54-1333+16

MGS GUARDRAIL
TERMINAL EAT (A)
1330+01 - 1330+54

MGS GUARDRAIL
TERMINAL TYPE 2 (A)

CE

DS

CE

DS

R/W

R/W

KETTERHAGEN RD

(A) INSTALL GUARDRAIL MOW STRIP EMULSIFIED ASPHALT IN ACCORDANCE WITH STANDARD DETAIL DRAWING: GUARDRAIL MOW STRIP. MOW STRIP WIDTH 3.5' FROM FACE OF RAIL. DO NOT INSTALL IN AREAS ADJACENT TO CURB & GUTTER.

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 77	E

2

2

R/W

SLOPE INTERCEPT (TYP)

+49
-17.00' LT

+04.88
-21.00' LT

STH 36/83 SB

1336'B'

1338'B'

1340'B'

1342'B'

1344'B'

1346'B'

1348'B'

1350'B'

STH 36/83 NB

2'

36'

2'

2'

36'

2'

R/L BYPASS

FENCE BASED CLEARING
STA 1346'B'+00 - STA 1358'B'+00, LT

REGRADE IN ACCORDANCE WITH
CONSTRUCTION DETAIL
ECO-PASSAGE MAINTENANCE

EXIST. FENCE TO REMAIN

EXIST ECO-PASSAGE

CE

DS

EXIST. FENCE TO REMAIN

REMOVE BERM AND REGRADE IN
ACCORDANCE WITH CONSTRUCTION
DETAIL ECO-PASSAGE MAINTENANCE

FENCE BASED CLEARING
STA 1346'B'+00 - STA 1358'B'+50, RT

LEGEND

- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- (DS) DITCHING AND SHAPING
- (CE) CLEANING CULVERT PIPES
- (AI) ADJUSTING INLET COVERS
- (MC) MARKERS CULVERT END
- (CI) CLEANING INLETS

CAUTION

EXIST. FENCE TO REMAIN

PRIVATE TRAIL CROSSING
DO NOT DISTURB

1352'B'

1354'B'

1356'B'

1358'B'

1360'B'

1362'B'

1364'B'

1366'B'

36'

40'

3'

EXIST CG TO REMAIN

40'

MATCH EXIST.

CTH A SE RAMP

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 78	E

2

2

CTH A/PLANK RD

CTH A NW RAMP

R/W

EXIST. CG TO REMAIN

B-51-98

PT: 1370+04.32 'B'

STH 36/83 SB

STH 36/83 NB

MATCH EXIST.

EXIST. CG TO REMAIN

R/L BYPASS

R/L NB TO SB RAMP

STH 36/83 SB

STH 36/83 NB

1368'B' 1370'B' 1372'B' 1374'B' 1376'B' 1378'B' 1380'B' 1382'B'

CAUTION

LEGEND

- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- (DS) DITCHING AND SHAPING
- (CE) CLEANING CULVERT PIPES
- (AI) ADJUSTING INLET COVERS
- (MC) MARKERS CULVERT END
- (CI) CLEANING INLETS

FOX RIVER

TOWN OF BURLINGTON

VILLAGE OF ROCHESTER

B-51-103

B-51-102

PC: 1387+17.87 'B'

R/L NB TO SB RAMP

EXIST. CONCRETE APPROACH SLAB TO REMAIN

EXIST GUARDRAIL TO REMAIN (A)

MATCH SLAB

NET EXCEPTION TO CL LENGTH
STA 1389'B'+68.90 - STA 1393'B'+05.69

1384'B' 1386'B' 1388'B' 1390'B' 1392'B' 1394'B' 1396'B' 1398'B'

STH 36/83 NB TO SB RAMP

(A) INSTALL GUARDRAIL MOW STRIP EMULSIFIED ASPHALT IN ACCORDANCE WITH STANDARD DETAIL DRAWING: GUARDRAIL MOW STRIP. MOW STRIP WIDTH 3.5' FROM FACE OF RAIL. DO NOT INSTALL IN AREAS ADJACENT TO CURB & GUTTER.

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 79	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 09
PLOT DATE : 3/2/2022 10:18 AM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

R/L NB TO SB RAMP

STH 36/83 NB TO SB RAMP

EXIST. CG TO REMAIN

STH 36/83 SB

STH 36/83 NB

STH 36/83 NB RAMP

STH 36/83 SB RAMP

EXIST. CONCRETE BARRIER TO REMAIN

MGS GUARDRAIL TERMINAL TYPE 2 (A)

+07.93
-21.40' LT

+83.85
-23.31' LT

SLOPE INTERCEPT (TYP)

R/L BYPASS

MGS GUARDRAIL 3 (A)
1405+09 - 1411+55

EXIST. GUARDRAIL TO REMAIN (A)

EXIST. CONCRETE BARRIER TO REMAIN

MATCH EXIST.

R/L SB RAMP

REMOVING GUARDRAIL

R-51-29

B-51-113

R/L NB RAMP

SEVEN WATERS TRAIL

PTT 1410+56.99 'B'

CONCRETE BARRIER SINGLE SLOPE 36" THRIE BEAM ANCHOR REQUIRED

S-51-15

MGS THRIE BEAM TRANSITION (A)

MGS THRIE BEAM TRANSITION W-BEAM SECTION (A)

CONCRETE BARRIER TYPE S36B
1411+60 - 1411+92

MGS GUARDRAIL TERMINAL EAT (A)
1413+79 - 1414+32

+81.59
-24.00' LT

MGS GUARDRAIL 3 (A)
1412+29 - 1413+79

1400'B' 1402'B' 1404'B' 1406'B' 1408'B' 1410'B' 1412'B' 1414'B'

202 204 206 208 210 212 214 216

36' 42' 52' 23'

2' 4'

LEGEND

- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- (DS) DITCHING AND SHAPING
- (CE) CLEANING CULVERT PIPES
- (AI) ADJUSTING INLET COVERS
- (MC) MARKERS CULVERT END
- (CI) CLEANING INLETS

(A) INSTALL GUARDRAIL MOW STRIP EMULSIFIED ASPHALT IN ACCORDANCE WITH STANDARD DETAIL DRAWING: GUARDRAIL MOW STRIP. MOW STRIP WIDTH 3.5' FROM FACE OF RAIL. DO NOT INSTALL IN AREAS ADJACENT TO CURB & GUTTER.

1¾" REMOVING ASPHALTIC SURFACE MILLING.
PLACE 1¾" ASPHALTIC SURFACE.

MATCH EXIST.
-90', LT

EXIST. CONCRETE APPROACH SLAB TO REMAIN

EXIST. GUARDRAIL TO REMAIN (A)

NET EXCEPTION TO CL LENGTH
STA 1429'B'+42.70 - STA 230+53.02

+31.55
-22.00' LT

+61.52
-24.00' LT

1416'B' 1418'B' 1420'B' 1422'B' 1424'B' 1426'B' 1428'B'

48'

FOX RIVER

R/W

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 80	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 10

PLOT DATE : 3/2/2022 10:18 AM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

NET EXCEPTION TO CL LENGTH
STA 1429'B'+42.70 - STA 230+53.02

STA 1431'B'+00, 0.86' RT =
STA 229+02.27

B-51-56

B-51-78

R/L BYPASS

STH 36/83 SB

STH 36/83 NB

FOX RIVER

EXIST. CONCRETE APPROACH SLAB TO REMAIN

REMOVING ASPHALTIC SURFACE BUTT JOINT

EXIST. GUARDRAIL TO REMAIN (A)

MATCH SLAB

EXIST. CONCRETE APPROACH SLAB TO REMAIN

R/L STH 36

R/W

MATCH EXIST.

N. RIVER RD

EXIST. CG TO REMAIN

R/L RIVER

EXIST. CG TO REMAIN

EXIST. CG TO REMAIN

MATCH EXIST.

16 N. RIVER RD

R/W

LEGEND	
	BASE PATCHING CONCRETE
	BASE PATCHING ASPHALTIC
DS	DITCHING AND SHAPING
CE	CLEANING CULVERT PIPES
AI	ADJUSTING INLET COVERS
MC	MARKERS CULVERT END
CI	CLEANING INLETS

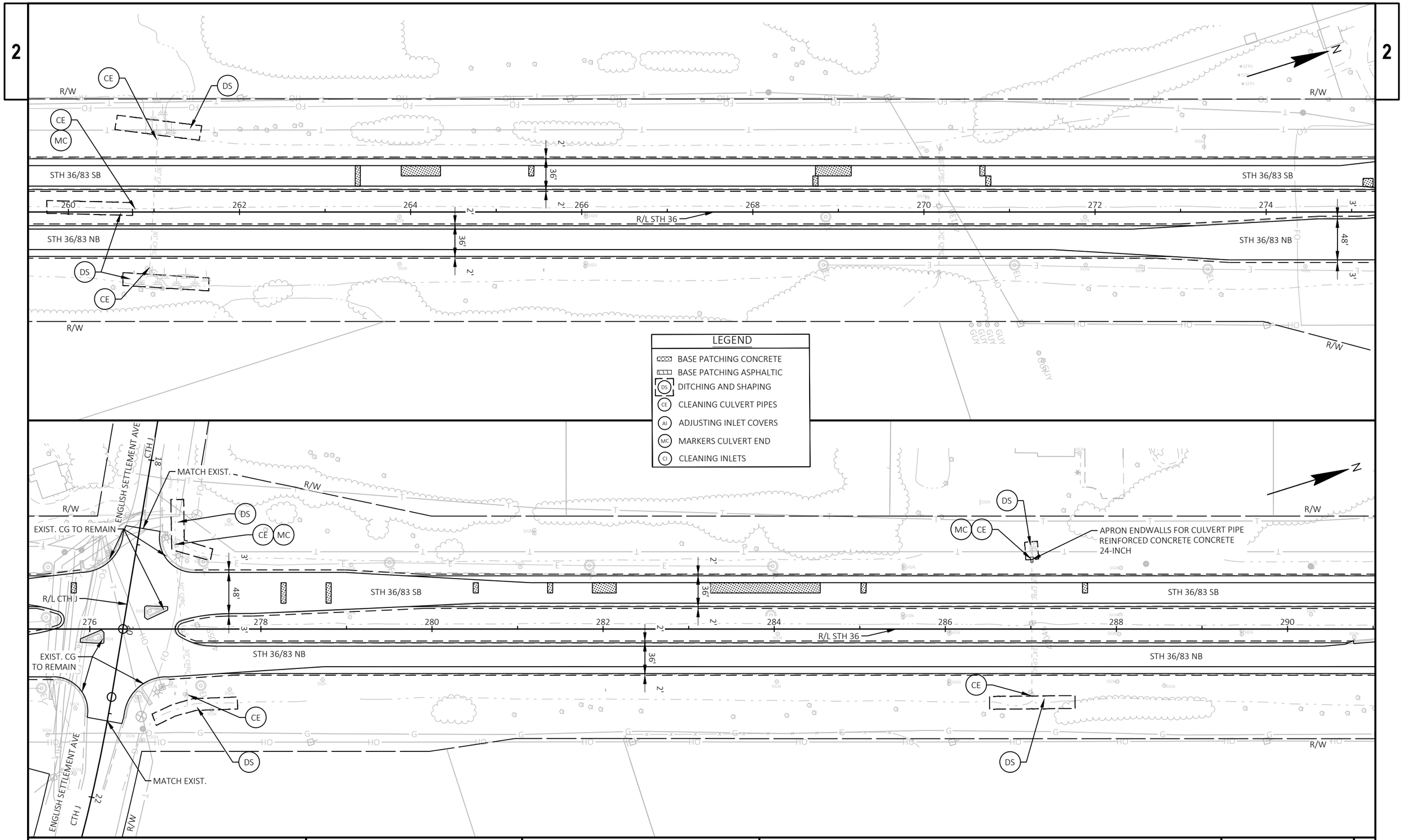
(A) INSTALL GUARDRAIL MOW STRIP EMULSIFIED ASPHALT IN ACCORDANCE WITH STANDARD DETAIL DRAWING: GUARDRAIL MOW STRIP. MOW STRIP WIDTH 3.5' FROM FACE OF RAIL. DO NOT INSTALL IN AREAS ADJACENT TO CURB & GUTTER.

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 81	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 11

PLOT DATE : 3/2/2022 10:19 AM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 82	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 12
PLOT DATE : 3/2/2022 10:20 AM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

CAUTION

CAUTION

CTH D

WASHINGTON AVE

MATCH EXIST.

SEE SIGNAL PLAN FOR LOCATIONS OF LOOPS

APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH

CE

PC: 295+92.87

EXIST. CG TO REMAIN

R/L CTH D

STH 36/83 SB

STH 36/83 NB

R/W

292

294

298

300

302

304

306

R/L STH 36

ASPHALTIC FLUMES

MC

DS

AI

LEGEND

- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- DS — DITCHING AND SHAPING
- CE — CLEANING CULVERT PIPES
- AI — ADJUSTING INLET COVERS
- MC — MARKERS CULVERT END
- CI — CLEANING INLETS

SEVEN WATERS TRAIL

WIND LAKE DRAINAGE CANAL

MH

HO

OH

FLAG

EXIST. CONCRETE APPROACH SLAB TO REMAIN

REMOVING ASPHALTIC SURFACE BUTT JOINT

B-51-57

MATCH SLAB

308

310

312

314

316

318

320

322

B-51-79

EXIST. GUARDRAIL TO REMAIN (A)

NET EXCEPTION TO CL LENGTH
STA 320+54.48 - STA 321+74.10

(A) INSTALL GUARDRAIL MOW STRIP EMULSIFIED ASPHALT IN ACCORDANCE WITH STANDARD DETAIL DRAWING: GUARDRAIL MOW STRIP. MOW STRIP WIDTH 3.5' FROM FACE OF RAIL. DO NOT INSTALL IN AREAS ADJACENT TO CURB & GUTTER.

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 83	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 13

PLOT DATE : 3/2/2022 10:20 AM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

SEVEN WATERS TRAIL

HIDDEN CIRCLE

MATCH EXIST.
-102', LT

R/W

1 ¾" REMOVING ASPHALTIC SURFACE MILLING.
PLACE 1 ¾" ASPHALTIC SURFACE.

EXIST. GUARDRAIL TO REMAIN (A)

STH 36/83 SB

STH 36/83 NB

R/L STH 36

324 326 328 330 332 334 336 338

2' 36' 2'

B-51-79

MATCH SLAB

EXIST. CONCRETE APPROACH SLAB TO REMAIN

WIND LAKE DRAINAGE CANAL

MC

LEGEND

- BASE PATCHING CONCRETE
- BASE PATCHING ASPHALTIC
- DS DITCHING AND SHAPING
- CE CLEANING CULVERT PIPES
- AI ADJUSTING INLET COVERS
- MC MARKERS CULVERT END
- CI CLEANING INLETS

(A) INSTALL GUARDRAIL MOW STRIP EMULSIFIED ASPHALT IN ACCORDANCE WITH STANDARD DETAIL DRAWING: GUARDRAIL MOW STRIP. MOW STRIP WIDTH 3.5' FROM FACE OF RAIL. DO NOT INSTALL IN AREAS ADJACENT TO CURB & GUTTER.

MATCH EXIST.

R/L STH 83

STH 20/83/BECK DR

SEE SIGNAL PLAN FOR LOCATIONS OF LOOPS

EXIST. CG TO REMAIN

CAUTION

REMOVING ASPHALTIC SURFACE MILLING AND BUTT JOINT

END PROJECT
STA 351+75

MATCH EXIST.

STH 36 SB

STH 36 NB

340 342 348 350 352

67' 36' 16' 35'

R/L STH 36

EXIST. CG TO REMAIN

SEE SIGNAL PLAN FOR LOCATIONS OF LOOPS

R/L STH 20

REMOVING ASPHALTIC SURFACE BUTT JOINT

CE DS MC

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH

VILLAGE OF ROCHESTER
VILLAGE OF WATERFORD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PLAN DETAILS	SHEET 84	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 14

PLOT DATE : 3/2/2022 10:21 AM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

N

CURB RAMPS A

CURB RAMPS B

CURB RAMPS C

CURB RAMPS D

CURB RAMPS E

CURB RAMPS F

S. PINE ST

STH 11/36 SB

STH 11/36 NB

STH 11/36/83 SB

STH 11/36/83 NB

STH 83/S. PINE ST

R/L BYPASS

R/L PINE

1123+00

1124+00

1125+00

1126+00

1127+00

1128+00

352+50

353+00

353+50

354+00

354+50

351+00

352+00

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 83 INTSECTION	SHEET 85	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - CR01

PLOT DATE : 1/25/2022 8:09 AM PLOT BY : GLAESER, BRETT PLOT NAME : PLOT SCALE : ##########

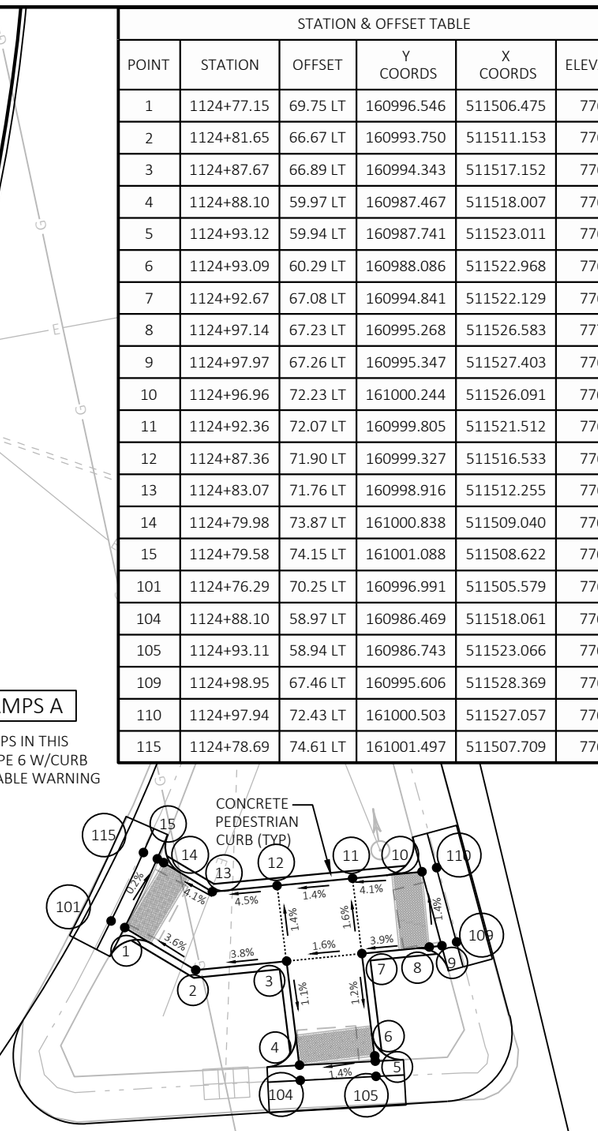
WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1	1124+77.15	69.75 LT	160996.546	511506.475	776.33
2	1124+81.65	66.67 LT	160993.750	511511.153	776.52
3	1124+87.67	66.89 LT	160994.343	511517.152	776.75
4	1124+88.10	59.97 LT	160987.467	511518.007	776.68
5	1124+93.12	59.94 LT	160987.741	511523.011	776.75
6	1124+93.09	60.29 LT	160988.086	511522.968	776.75
7	1124+92.67	67.08 LT	160994.841	511522.129	776.83
8	1124+97.14	67.23 LT	160995.268	511526.583	777.00
9	1124+97.97	67.26 LT	160995.347	511527.403	776.99
10	1124+96.96	72.23 LT	161000.244	511526.091	776.94
11	1124+92.36	72.07 LT	160999.805	511521.512	776.75
12	1124+87.36	71.90 LT	160999.327	511516.533	776.68
13	1124+83.07	71.76 LT	160998.916	511512.255	776.49
14	1124+79.98	73.87 LT	161000.838	511509.040	776.34
15	1124+79.58	74.15 LT	161001.088	511508.622	776.34
101	1124+76.29	70.25 LT	160996.991	511505.579	776.29
104	1124+88.10	58.97 LT	160986.469	511518.061	776.64
105	1124+93.11	58.94 LT	160986.743	511523.066	776.74
109	1124+98.95	67.46 LT	160995.606	511528.369	776.97
110	1124+97.94	72.43 LT	161000.503	511527.057	776.90
115	1124+78.69	74.61 LT	161001.497	511507.709	776.30

CURB RAMPS A

ALL CURB RAMPS IN THIS ISLAND ARE TYPE 6 W/CURB RAMP DETECTABLE WARNING FIELD YELLOW



STH 11/36

S. PINE ST.

353+50

353+00

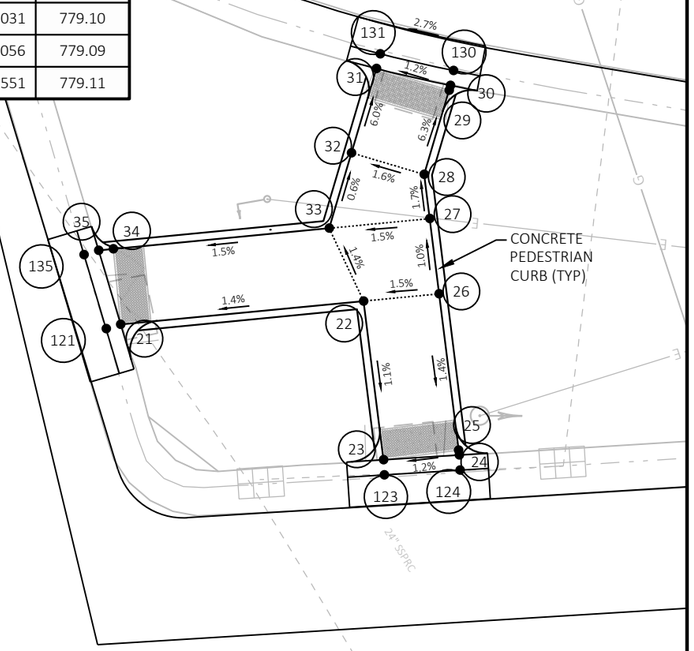
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
21	1125+78.40	70.00 LT	161003.035	511607.510	779.17
22	1125+94.50	70.54 LT	161004.574	511623.545	779.39
23	1125+95.15	60.02 LT	160994.110	511624.851	779.27
24	1126+00.16	60.02 LT	160994.419	511629.851	779.33
25	1126+00.14	60.33 LT	160994.729	511629.812	779.33
26	1125+99.49	70.71 LT	161005.051	511628.524	779.47
27	1125+99.18	75.71 LT	161010.015	511627.905	779.42
28	1125+99.00	78.64 LT	161012.931	511627.541	779.37
29	1126+00.98	84.08 LT	161018.488	511629.188	779.01
30	1126+01.09	84.39 LT	161018.795	511629.279	779.01
31	1125+96.29	85.80 LT	161019.909	511624.394	778.95
32	1125+94.30	80.35 LT	161014.352	511622.747	779.29
33	1125+92.52	75.48 LT	161009.378	511621.273	779.32
34	1125+78.22	74.99 LT	161008.012	511607.031	779.10
35	1125+77.25	74.96 LT	161007.918	511606.056	779.09
121	1125+77.42	69.77 LT	161002.749	511606.551	779.11

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
123	1125+95.15	59.02 LT	160993.112	511624.913	779.23
124	1126+00.16	59.02 LT	160993.421	511629.913	779.29
130	1126+01.35	85.35 LT	161019.775	511629.479	778.98
131	1125+96.59	86.75 LT	161020.879	511624.639	778.91
135	1125+76.27	74.73 LT	161007.633	511605.098	779.01

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB RAMPS B

ALL CURB RAMPS IN THIS ISLAND ARE TYPE 6 W/CURB RAMP DETECTABLE WARNING FIELD YELLOW



STH 11/36/83

N

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 83 INTSECTION	SHEET 86	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - CR02

PLOT DATE : 1/25/2022 8:10 AM PLOT BY : GLAESER, BRETT PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

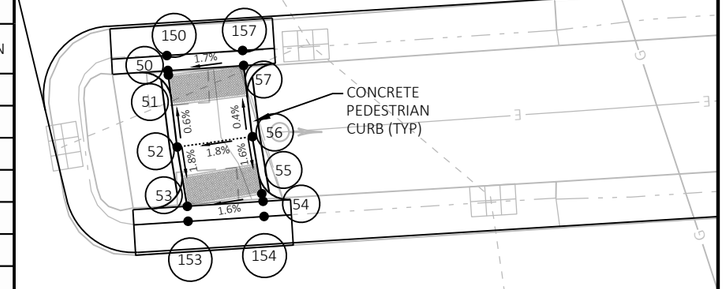
S. PINE ST.

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.

N

CURB RAMPS C

ALL CURB RAMPS IN THIS ISLAND ARE TYPE 5 W/CURB RAMP DETECTABLE WARNING FIELD YELLOW



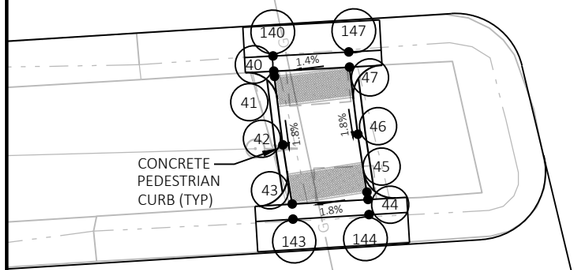
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
50	1125+97.79	17.84 LT	160952.177	511630.085	779.88
51	1125+97.81	17.56 LT	160951.893	511630.120	779.88
52	1125+98.11	12.78 LT	160947.143	511630.713	779.91
53	1125+98.52	8.83 LT	160943.227	511631.364	779.84
54	1126+03.54	8.85 LT	160943.550	511636.379	779.91
55	1126+03.49	9.35 LT	160944.047	511636.296	779.92
56	1126+03.10	13.16 LT	160947.826	511635.668	779.98
57	1126+02.80	17.87 LT	160952.512	511635.081	779.96
150	1125+97.79	18.84 LT	160953.175	511630.018	779.84
153	1125+98.52	7.83 LT	160942.229	511631.428	779.80
154	1126+03.55	7.85 LT	160942.552	511636.443	779.90
157	1126+02.80	18.87 LT	160953.510	511635.015	779.98

1126+00

1125+00

352+50

STH 11/36



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
40	1124+92.39	9.07 RT	160918.822	511526.538	777.36
41	1124+92.41	9.41 RT	160918.479	511526.581	777.36
42	1124+92.69	13.95 RT	160913.966	511527.142	777.28
43	1124+93.06	17.90 RT	160910.051	511527.750	777.21
44	1124+98.08	17.90 RT	160910.356	511532.762	777.30
45	1124+98.03	17.42 RT	160910.837	511532.687	777.30
46	1124+97.68	13.56 RT	160914.659	511532.094	777.37
47	1124+97.40	9.10 RT	160919.096	511531.543	777.45
140	1124+92.40	8.07 RT	160919.821	511526.483	777.34
143	1124+93.06	18.90 RT	160909.053	511527.810	777.15
144	1124+98.08	18.90 RT	160909.357	511532.823	777.25
147	1124+97.41	8.10 RT	160920.095	511531.488	777.43

CURB RAMPS F

ALL CURB RAMPS IN THIS ISLAND ARE TYPE 5 W/CURB RAMP DETECTABLE WARNING FIELD YELLOW

R/L PINE

STH 11/36/83

STH 83

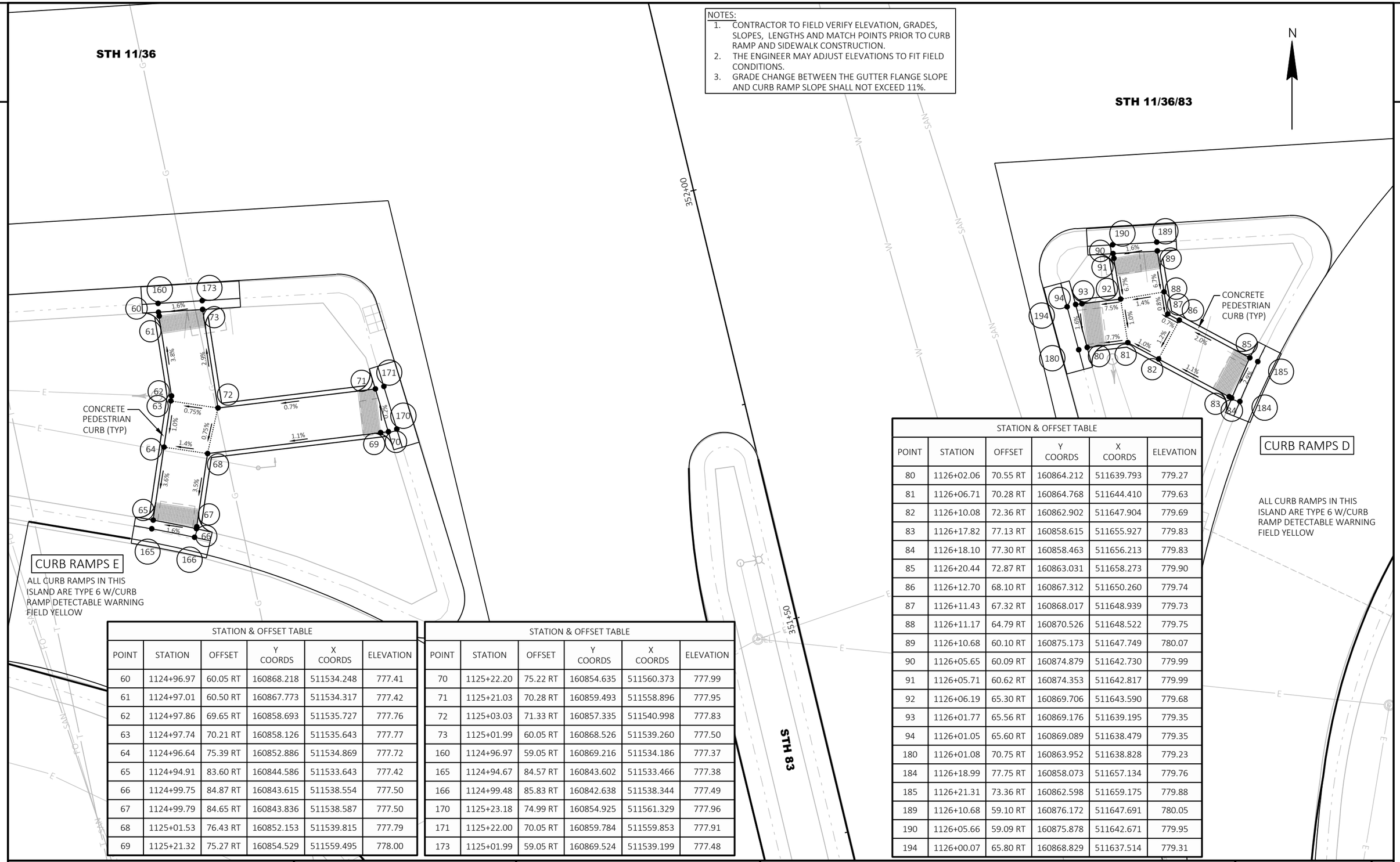
402+00

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 83 INTSECTION	SHEET 87	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - CR03
PLOT DATE : 1/25/2022 8:11 AM
PLOT BY : GLAESER, BRETT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.



CURB RAMPS E

ALL CURB RAMPS IN THIS ISLAND ARE TYPE 6 W/CURB RAMP DETECTABLE WARNING FIELD YELLOW

CURB RAMPS D

ALL CURB RAMPS IN THIS ISLAND ARE TYPE 6 W/CURB RAMP DETECTABLE WARNING FIELD YELLOW

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
60	1124+96.97	60.05 RT	160868.218	511534.248	777.41
61	1124+97.01	60.50 RT	160867.773	511534.317	777.42
62	1124+97.86	69.65 RT	160858.693	511535.727	777.76
63	1124+97.74	70.21 RT	160858.126	511535.643	777.77
64	1124+96.64	75.39 RT	160852.886	511534.869	777.72
65	1124+94.91	83.60 RT	160844.586	511533.643	777.42
66	1124+99.75	84.87 RT	160843.615	511538.554	777.50
67	1124+99.79	84.65 RT	160843.836	511538.587	777.50
68	1125+01.53	76.43 RT	160852.153	511539.815	777.79
69	1125+21.32	75.27 RT	160854.529	511559.495	778.00

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
70	1125+22.20	75.22 RT	160854.635	511560.373	777.99
71	1125+21.03	70.28 RT	160859.493	511558.896	777.95
72	1125+03.03	71.33 RT	160857.335	511540.998	777.83
73	1125+01.99	60.05 RT	160868.526	511539.260	777.50
160	1124+96.97	59.05 RT	160869.216	511534.186	777.37
165	1124+94.67	84.57 RT	160843.602	511533.466	777.38
166	1124+99.48	85.83 RT	160842.638	511538.344	777.49
170	1125+23.18	74.99 RT	160854.925	511561.329	777.96
171	1125+22.00	70.05 RT	160859.784	511559.853	777.91
173	1125+01.99	59.05 RT	160869.524	511539.199	777.48

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
80	1126+02.06	70.55 RT	160864.212	511639.793	779.27
81	1126+06.71	70.28 RT	160864.768	511644.410	779.63
82	1126+10.08	72.36 RT	160862.902	511647.904	779.69
83	1126+17.82	77.13 RT	160858.615	511655.927	779.83
84	1126+18.10	77.30 RT	160858.463	511656.213	779.83
85	1126+20.44	72.87 RT	160863.031	511658.273	779.90
86	1126+12.70	68.10 RT	160867.312	511650.260	779.74
87	1126+11.43	67.32 RT	160868.017	511648.939	779.73
88	1126+11.17	64.79 RT	160870.526	511648.522	779.75
89	1126+10.68	60.10 RT	160875.173	511647.749	780.07
90	1126+05.65	60.09 RT	160874.879	511642.730	779.99
91	1126+05.71	60.62 RT	160874.353	511642.817	779.99
92	1126+06.19	65.30 RT	160869.706	511643.590	779.68
93	1126+01.77	65.56 RT	160869.176	511639.195	779.35
94	1126+01.05	65.60 RT	160869.089	511638.479	779.35
180	1126+01.08	70.75 RT	160863.952	511638.828	779.23
184	1126+18.99	77.75 RT	160858.073	511657.134	779.76
185	1126+21.31	73.36 RT	160862.598	511659.175	779.88
189	1126+10.68	59.10 RT	160876.172	511647.691	780.05
190	1126+05.66	59.09 RT	160875.878	511642.671	779.95
194	1126+00.07	65.80 RT	160868.829	511637.514	779.31

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 83 INTSECTION	SHEET 88	E

2

2

N

DURAND AVE.

CURB RAMPS G

CURB RAMPS H

CURB RAMPS I

CURB RAMPS L

CURB RAMPS K

CURB RAMPS J

STH 11/36/83

STH 36/83

DURAND AVE./STH 11

R/L BYPASS

R/L DURAND

126+50

127+00

127+50

128+00

128+50

129+00

129+50

130+00

1276+50 'B'

1277+00 'B'

1277+50 'B'

1278+00 'B'

1278+50 'B'

1279+00 'B'

1279+50 'B'

1280+00 'B'

1280+50 'B'

1281+00 'B'

1281+50 'B'

1282+00 'B'

1282+5

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 11 INTERSECTION	SHEET 89	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - CR01

PLOT DATE : 1/25/2022 8:13 AM PLOT BY : GLAESER, BRETT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1	1278+57.45	67.89 LT	170220.564	522542.759	807.46
2	1278+59.22	66.32 LT	170222.109	522544.549	807.53
3	1278+63.60	62.47 LT	170225.916	522548.961	807.61
4	1278+63.89	60.11 LT	170225.887	522551.339	807.52
5	1278+68.94	60.06 LT	170230.879	522552.073	807.61
6	1278+68.85	60.73 LT	170230.887	522551.400	807.61
7	1278+68.56	63.09 LT	170230.915	522549.021	807.67
8	1278+68.00	67.54 LT	170230.970	522544.531	807.60
9	1278+70.48	69.05 LT	170233.634	522543.374	807.64
10	1278+72.82	69.04 LT	170235.949	522543.702	807.72
11	1278+73.82	69.04 LT	170236.933	522543.841	807.71
12	1278+72.84	74.04 LT	170236.648	522538.751	807.66
13	1278+69.09	74.06 LT	170232.937	522538.226	807.61
14	1278+62.53	70.07 LT	170225.894	522541.283	807.51
15	1278+60.77	71.63 LT	170224.358	522539.503	807.44

DURAND AVE.

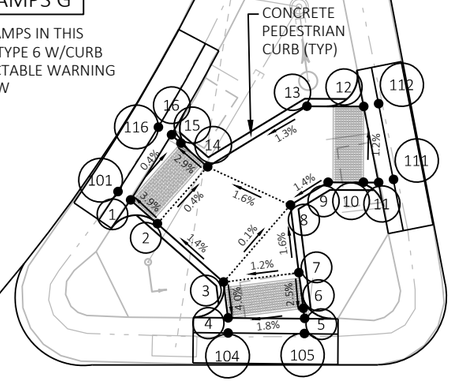
127+50

128+00

CURB RAMPS G

ALL CURB RAMPS IN THIS ISLAND ARE TYPE 6 W/CURB RAMP DETECTABLE WARNING FIELD YELLOW

CONCRETE PEDESTRIAN CURB (TYP)



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
16	1278+60.15	72.18 LT	170223.817	522538.876	807.43
101	1278+56.62	68.44 LT	170219.811	522542.101	807.42
104	1278+63.88	59.11 LT	170225.742	522552.329	807.52
105	1278+68.93	59.06 LT	170230.733	522553.062	807.57
111	1278+74.80	69.23 LT	170237.932	522543.785	807.67
112	1278+73.82	74.23 LT	170237.646	522538.695	807.62
116	1278+59.29	72.69 LT	170223.037	522538.250	807.39

STH 11/36/83

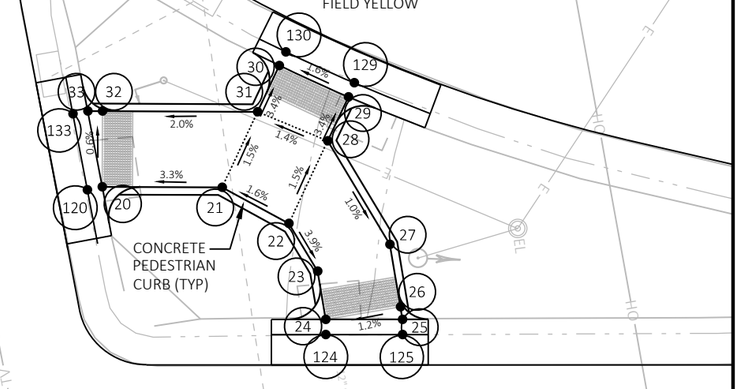
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
20	1279+45.21	68.75 LT	170307.622	522553.828	807.77
21	1279+53.11	68.71 LT	170315.452	522554.934	808.03
22	1279+57.52	66.34 LT	170319.499	522557.883	808.11
23	1279+59.42	63.19 LT	170320.948	522561.261	807.97
24	1279+59.95	60.00 LT	170321.046	522564.496	807.84
25	1279+65.02	60.00 LT	170326.070	522565.184	807.88
26	1279+64.89	60.83 LT	170326.044	522564.343	807.89
27	1279+64.19	64.96 LT	170325.916	522560.161	807.94
28	1279+60.08	71.79 LT	170322.775	522552.836	808.02
29	1279+61.45	74.69 LT	170324.522	522550.144	807.91
30	1279+56.89	76.75 LT	170320.289	522547.482	807.83
31	1279+55.46	73.70 LT	170318.455	522550.308	807.95
32	1279+45.23	73.75 LT	170308.321	522548.877	807.74
33	1279+44.25	73.75 LT	170307.353	522548.740	807.73
120	1279+44.22	68.56 LT	170306.623	522553.880	807.73

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB RAMPS H

ALL CURB RAMPS IN THIS ISLAND ARE TYPE 6 W/CURB RAMP DETECTABLE WARNING FIELD YELLOW

CONCRETE PEDESTRIAN CURB (TYP)



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
124	1279+59.95	59.00 LT	170320.910	522565.486	807.81
125	1279+65.02	59.00 LT	170325.934	522566.175	807.84
129	1279+61.84	75.61 LT	170325.037	522549.287	807.87
130	1279+57.32	77.66 LT	170320.839	522546.646	807.79
133	1279+43.27	73.56 LT	170306.355	522548.793	807.69

STH 36/83

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 11 INTERSECTION	SHEET 90	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - CR02

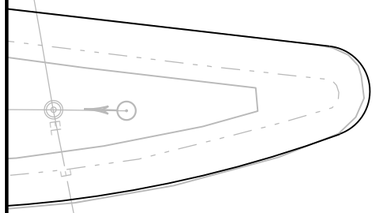
PLOT DATE : 1/25/2022 8:14 AM PLOT BY : GLAESER, BRETT PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

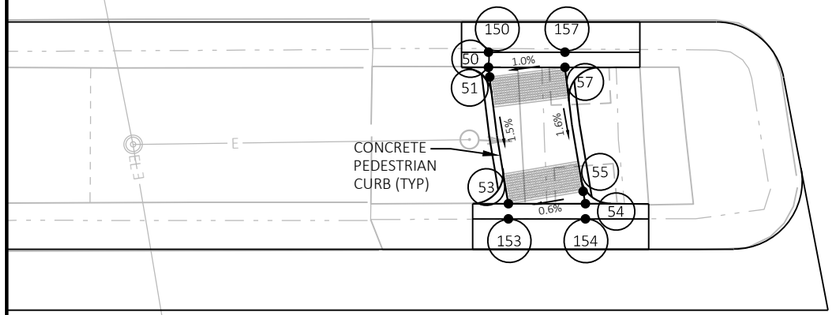
NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
50	1278+72.52	9.00 RT	170225.048	522620.980	808.10
51	1278+72.60	9.62 RT	170225.040	522621.604	808.11
53	1278+73.83	18.00 RT	170225.130	522630.075	807.98
54	1278+78.90	18.00 RT	170230.153	522630.764	808.00
55	1278+78.77	17.17 RT	170230.128	522629.926	808.01
57	1278+77.56	9.00 RT	170230.040	522621.664	808.14
150	1278+72.52	8.00 RT	170225.184	522619.989	808.06
153	1278+73.83	19.00 RT	170224.994	522631.066	807.94
154	1278+78.90	19.00 RT	170230.017	522631.755	807.96
157	1278+77.56	8.00 RT	170230.176	522620.673	808.10



1278+50 'B'

1279+00 'B'



CURB RAMPS L

ALL CURB RAMPS IN THIS ISLAND ARE TYPE 5 W/CURB RAMP DETECTABLE WARNING FIELD YELLOW

STH 11/36/83

DURAND AVE.

128+00

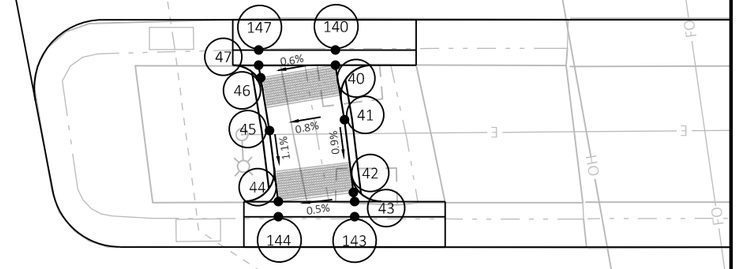
128+50

R/L DURAND

DURAND AVE./STH 11

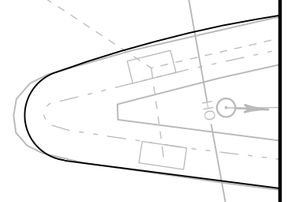
CURB RAMPS I

ALL CURB RAMPS IN THIS ISLAND ARE TYPE 5 W/CURB RAMP DETECTABLE WARNING FIELD YELLOW



1279+50 'B'

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
40	1279+72.09	18.00 LT	170327.367	522607.755	808.39
41	1279+72.70	14.41 LT	170327.477	522611.395	808.36
42	1279+73.28	9.61 LT	170327.408	522616.231	808.31
43	1279+73.36	9.00 LT	170327.400	522616.844	808.30
44	1279+68.32	9.00 LT	170322.409	522616.160	808.27
45	1279+67.75	13.69 LT	170322.476	522611.435	808.32
46	1279+67.16	17.17 LT	170322.369	522607.907	808.36
47	1279+67.02	18.00 LT	170322.343	522607.066	808.35
140	1279+72.09	19.00 LT	170327.502	522606.764	808.35
143	1279+73.36	8.00 LT	170327.264	522617.835	808.26
144	1279+68.32	8.00 LT	170322.273	522617.150	808.23
147	1279+67.02	19.00 LT	170322.479	522606.076	808.31

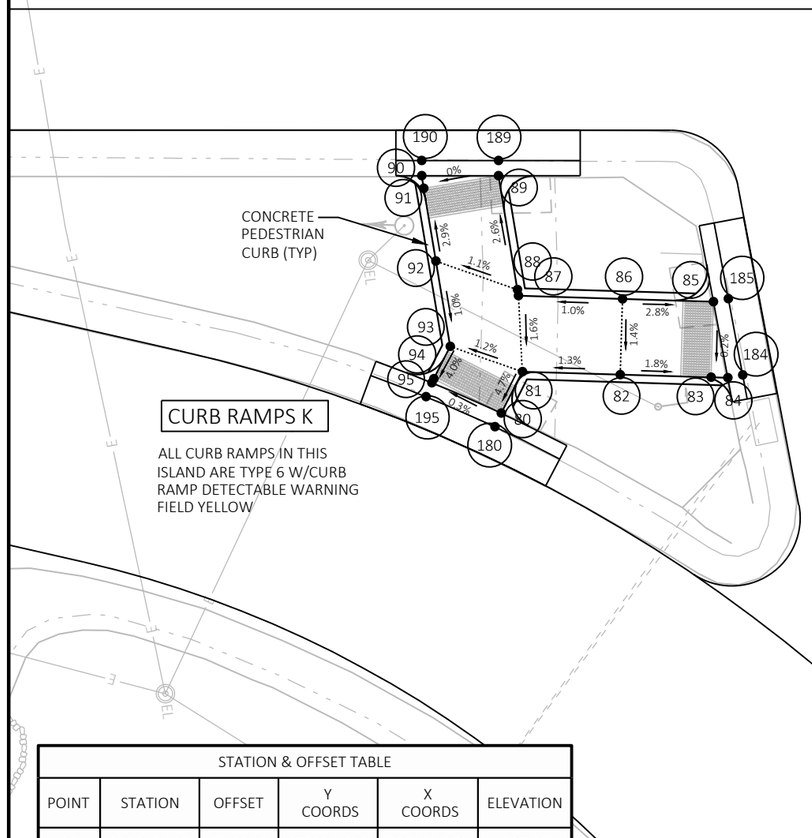


STH 36/83

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 11 INTERSECTION	SHEET 91	E

STH 11/36/83

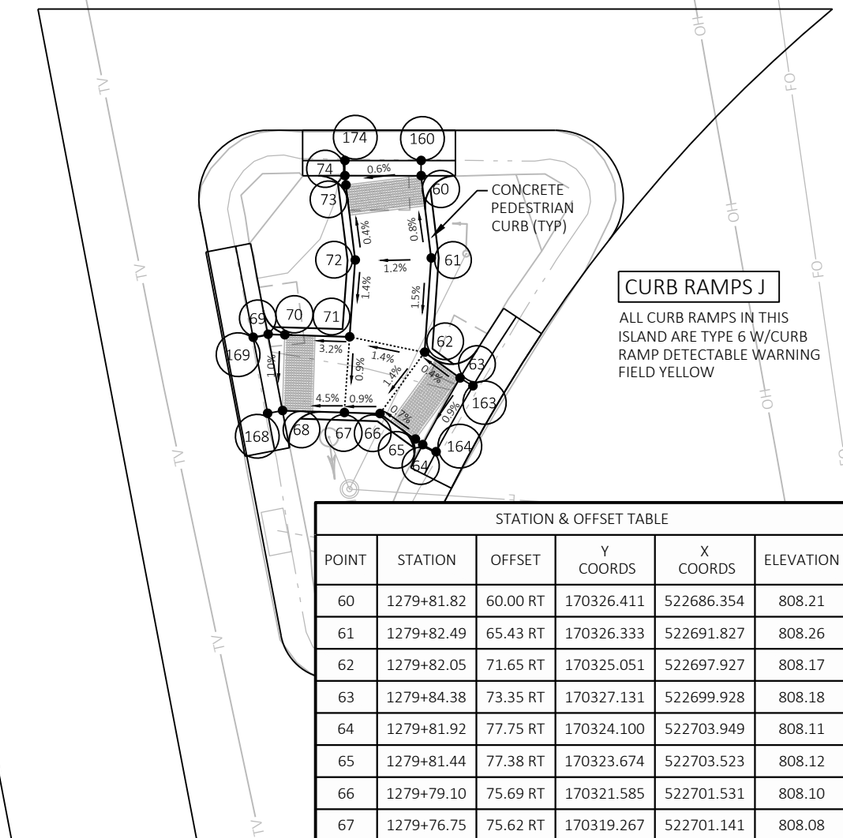
NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
80	1278+86.13	75.66 RT	170229.484	522688.871	807.56
81	1278+87.53	72.93 RT	170231.235	522686.353	807.70
82	1278+93.99	73.12 RT	170237.610	522687.424	807.78
83	1278+99.99	73.30 RT	170243.527	522688.418	807.67
84	1279+01.08	73.34 RT	170244.610	522688.600	807.66
85	1279+00.14	68.31 RT	170244.355	522683.487	807.68
86	1278+94.14	68.12 RT	170238.438	522682.493	807.85
87	1278+87.28	67.92 RT	170231.666	522681.355	807.78
88	1278+87.21	67.52 RT	170231.654	522680.950	807.77
89	1278+85.95	60.00 RT	170231.426	522673.331	807.57
90	1278+80.88	60.00 RT	170226.403	522672.643	807.56
91	1278+81.02	60.83 RT	170226.428	522673.481	807.57
92	1278+81.82	65.63 RT	170226.573	522678.348	807.71

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
93	1278+82.77	71.26 RT	170226.744	522684.053	807.64
94	1278+81.68	73.39 RT	170225.379	522686.016	807.54
95	1278+81.54	73.66 RT	170225.207	522686.263	807.54
180	1278+85.71	76.57 RT	170228.943	522689.712	807.52
184	1279+02.07	73.15 RT	170245.609	522688.550	807.63
185	1279+01.12	68.12 RT	170245.354	522683.437	807.65
189	1278+85.95	59.00 RT	170231.562	522672.340	807.54
190	1278+80.88	59.00 RT	170226.539	522671.652	807.52
195	1278+81.17	74.58 RT	170224.707	522687.130	807.50

STH 36/83



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
60	1279+81.82	60.00 RT	170326.411	522686.354	808.21
61	1279+82.49	65.43 RT	170326.333	522691.827	808.26
62	1279+82.05	71.65 RT	170325.051	522697.927	808.17
63	1279+84.38	73.35 RT	170327.131	522699.928	808.18
64	1279+81.92	77.75 RT	170324.100	522703.949	808.11
65	1279+81.44	77.38 RT	170323.674	522703.523	808.12
66	1279+79.10	75.69 RT	170321.585	522701.531	808.10
67	1279+76.75	75.62 RT	170319.267	522701.141	808.08
68	1279+72.67	75.50 RT	170315.243	522700.465	807.90
69	1279+71.71	70.47 RT	170314.973	522695.350	807.98
70	1279+72.82	70.50 RT	170316.071	522695.535	807.99
71	1279+77.11	70.63 RT	170320.295	522696.244	808.13
72	1279+77.47	65.56 RT	170321.340	522691.272	808.20
73	1279+76.86	60.61 RT	170321.411	522686.282	808.18
74	1279+76.78	60.00 RT	170321.420	522685.669	808.18
160	1279+81.82	59.00 RT	170326.546	522685.363	808.19
163	1279+85.24	73.86 RT	170327.915	522700.549	808.14
164	1279+82.81	78.21 RT	170324.913	522704.531	808.07
168	1279+71.69	75.69 RT	170314.244	522700.518	807.86
169	1279+70.73	70.65 RT	170313.974	522695.403	807.94
174	1279+76.78	59.00 RT	170321.556	522684.679	808.16

DURAND AVE./STH 11

129+00

129+50

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 11 INTERSECTION	SHEET 92	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - CR04
PLOT DATE : 1/25/2022 8:15 AM
PLOT BY : GLAESER, BRETT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

CURB RAMP M

CURB RAMP P

CURB RAMPS N

CURB RAMPS R

CURB RAMP S

STH 20/STH 83/BECK DR

STH 20/BECK DR

R/L STH 83

R/L STH 36

R/L STH 20

STH 36/83 SB

STH 36/83 NB

STH 36 SB

STH 36 NB

342+00 342+50 343+00 343+50 344+00 344+50 345+00 345+50 346+00 346+50 347+00 347+50

404+00 404+50 405+00 405+50 102+00 102+50 103+00 103+50

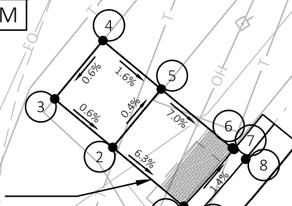
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 20 INTERSECTION	SHEET 93	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021303-CR.DWG
LAYOUT NAME - CR01

PLOT DATE : 1/25/2022 8:17 AM PLOT BY : GLAESER, BRETT PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1	344+79.88	90.98 LT	195688.391	525691.519	782.63
2	344+75.23	94.87 LT	195686.660	525685.688	783.01
3	344+71.41	98.07 LT	195685.237	525680.895	783.04
4	344+74.59	101.91 LT	195690.030	525679.472	783.07
5	344+78.41	98.71 LT	195691.453	525684.266	782.99
6	344+83.06	94.82 LT	195693.184	525690.096	782.56
7	344+83.18	94.72 LT	195693.229	525690.246	782.56
8	344+83.94	94.08 LT	195693.512	525691.205	782.52
9	344+80.60	90.29 LT	195688.616	525692.493	782.57

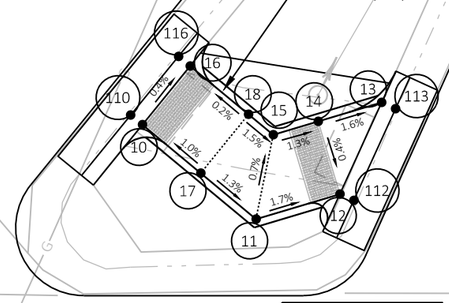
CURB RAMP M



CURB RAMP TYPE 2
W/CURB RAMP DETECTABLE
WARNING FIELD YELLOW

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
10	344+96.27	77.28 LT	195694.487	525712.055	782.93
11	345+03.73	71.06 LT	195697.261	525721.397	782.92
12	345+09.25	72.71 LT	195702.783	525723.103	782.82
13	345+11.99	78.75 LT	195708.430	525719.614	782.77
14	345+07.82	77.50 LT	195704.259	525718.326	782.84
15	345+04.86	76.61 LT	195701.293	525717.409	782.88
16	344+99.41	81.16 LT	195699.267	525710.586	782.90
17	345+00.10	74.09 LT	195695.910	525716.848	782.98
18	345+03.24	77.97 LT	195700.690	525715.379	782.91
110	344+95.49	77.91 LT	195694.194	525711.099	782.90
112	345+10.15	72.29 LT	195703.309	525723.954	782.79
113	345+12.89	78.33 LT	195708.955	525720.465	782.73
116	344+98.64	81.79 LT	195698.973	525709.630	782.88

CONCRETE
PEDESTRIAN
CURB (TYP)



CURB RAMPS N

ALL CURB RAMPS IN THIS
ISLAND ARE TYPE 6 W/CURB
RAMP DETECTABLE WARNING
FIELD YELLOW

STH 20/83/BECK DR.

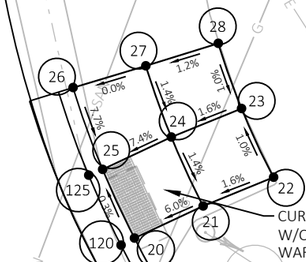
405+00

405+50

R/L STH 83

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB RAMP P



CURB RAMP TYPE 1
W/CURB RAMP DETECTABLE
WARNING FIELD YELLOW

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
20	345+82.06	94.01 LT	195775.387	525746.244	782.43
21	345+86.55	96.16 LT	195780.336	525746.992	782.73
22	345+91.17	98.08 LT	195785.256	525747.998	782.81
23	345+89.04	102.60 LT	195786.016	525743.050	782.86
24	345+84.45	100.69 LT	195781.116	525742.055	782.78
25	345+79.95	98.53 LT	195776.158	525741.305	782.41
26	345+77.98	103.92 LT	195777.539	525735.732	782.85
27	345+82.75	105.38 LT	195782.328	525737.206	782.85
28	345+87.49	106.88 LT	195787.120	525738.630	782.91
120	345+81.18	93.55 LT	195774.393	525746.130	782.40
125	345+79.03	98.15 LT	195775.178	525741.109	782.38

STH 36/83

STH 36 SB

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 20 INTERSECTION	SHEET 94	E

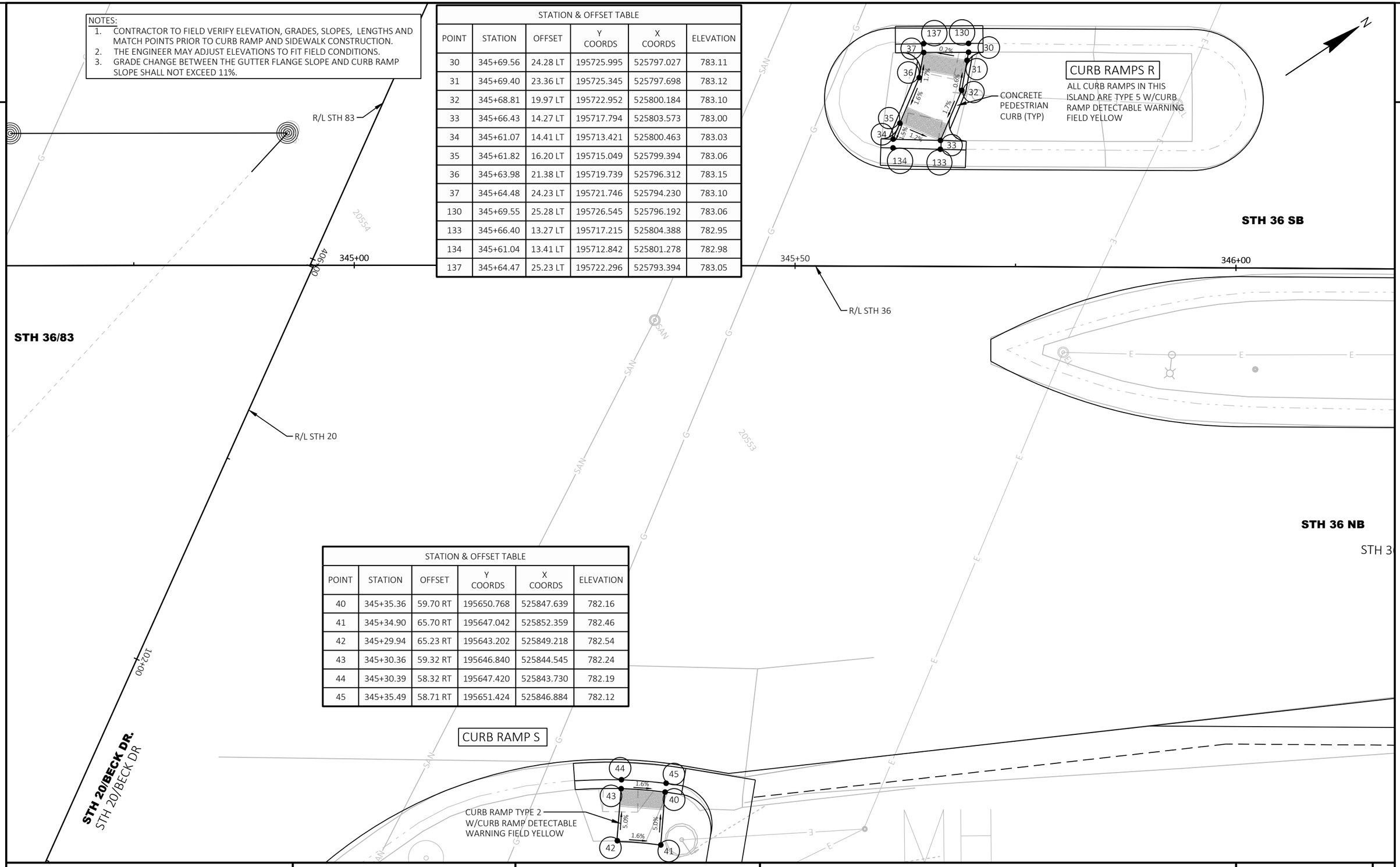
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\021303-CR.DWG
LAYOUT NAME - CR02

PLOT DATE : 1/25/2022 8:18 AM PLOT BY : GLAESER, BRETT PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
30	345+69.56	24.28 LT	195725.995	525797.027	783.11
31	345+69.40	23.36 LT	195725.345	525797.698	783.12
32	345+68.81	19.97 LT	195722.952	525800.184	783.10
33	345+66.43	14.27 LT	195717.794	525803.573	783.00
34	345+61.07	14.41 LT	195713.421	525800.463	783.03
35	345+61.82	16.20 LT	195715.049	525799.394	783.06
36	345+63.98	21.38 LT	195719.739	525796.312	783.15
37	345+64.48	24.23 LT	195721.746	525794.230	783.10
130	345+69.55	25.28 LT	195726.545	525796.192	783.06
133	345+66.40	13.27 LT	195717.215	525804.388	782.95
134	345+61.04	13.41 LT	195712.842	525801.278	782.98
137	345+64.47	25.23 LT	195722.296	525793.394	783.05



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
40	345+35.36	59.70 RT	195650.768	525847.639	782.16
41	345+34.90	65.70 RT	195647.042	525852.359	782.46
42	345+29.94	65.23 RT	195643.202	525849.218	782.54
43	345+30.36	59.32 RT	195646.840	525844.545	782.24
44	345+30.39	58.32 RT	195647.420	525843.730	782.19
45	345+35.49	58.71 RT	195651.424	525846.884	782.12

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CURB RAMP DETAILS - STH 20 INTERSECTION	SHEET 95	E

2

CITY OF BURLINGTON
TOWN OF BURLINGTON

WETLAND BOUNDARY
WETLAND BOUNDARY
R/W
TURBIDITY BARRIER TO BE USED IF FIELD CONDITIONS WARRANT AND DIRECTED TO BY ENGINEER.

S PINE ST
TYPE A
354
R/W
PC: 1128+99.48 'B'

STH 11/36 SB
1116'B' 1118'B' 1120'B' 1122'B' 1124'B' 1126'B' 1128'B' 1130'B'
STH 11/36/83 SB
R/L BYPASS
STH 11/36 NB
BEGIN PROJECT
STA 1125'B'+00
R/L PINE
352
STH 11/36/83 NB

R/W
WETLAND BOUNDARY
WETLAND BOUNDARY
TURBIDITY BARRIER TO BE USED IF FIELD CONDITIONS WARRANT AND DIRECTED TO BY ENGINEER.
STH 83/S PINE ST
R/W

LEGEND
- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

CN RAILROAD
TOWN OF BURLINGTON
CITY OF BURLINGTON
R/W
WETLAND BOUNDARY
R/W
FOX RIVER
STH 11/36/83 SB
1132'B'
TYPE A
1134'B' 1136'B' 1138'B' 1140'B' 1142'B' 1144'B' 1146'B'
B-51-94
STH 11/36/83 SB
STH 11/36/83 NB
B-51-93
R/L BYPASS
CN RAILROAD
FOX RIVER
R/W
R/W

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 96	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 01
PLOT DATE : 1/31/2022 12:41 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

R/W

PT : 1149+27.38 'B'

STH 11/36/83 SB

R/L BYPASS

TYPE A

1148'B'

1150'B'

1152'B'

1154'B'

1156'B'

1158'B'

1160'B'

1162'B'

STH 11/36/83 NB

BREVER ROAD

12" CPRC

12" PU

B-51-95

CAUTION

WETLAND BOUNDARY

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

BUSHNELL RD/STH 142

STH 142 NE RAMP

STH 142 SW RAMP

18" SSPRC

24" SSPRC

12" SSPRC

60

40

TYPE C

B-51-92

1164'B'

1166'B'

1168'B'

1170'B'

1172'B'

1174'B'

1176'B'

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 97	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02

PLOT DATE : 1/31/2022 12:42 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

R/W

WETLAND BOUNDARY

STH 11/36/83 SB

STH 11/36/83 NB

1180'B' 1182'B' 1184'B' 1186'B' 1188'B' 1190'B' 1192'B'

R/L BYPASS

TYPE A

WETLAND BOUNDARY

BOX CULVERT B-51-96

HOOSIER CREEK

N

R/W

STH 11/36/83 SB

STH 11/36/83 NB

WETLAND BOUNDARY

HOOSIER CREEK

R/W

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

R/W

STH 11/36/83 SB

1194'B' 1196'B' 1198'B' 1200'B' 1202'B' 1204'B' 1206'B' 1208'B'

TYPE A

R/L BYPASS

STH 11/36/83 NB

R/W

N

R/W

WETLAND BOUNDARY

STH 11/36/83 SB

STH 11/36/83 NB

R/W

2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 98	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 03

PLOT DATE : 1/31/2022 12:43 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

R/W

WETLAND BOUNDARY

WHITE RIVER STATE TRAIL

R/W

STH 11/36/83 SB

STH 11/36/83 SB

1210'B' 1212'B' 1214'B' 1216'B' 1218'B' 1220'B' 1222'B' 1224'B'

TYPE A

R/L BYPASS

STH 11/36/83 NB

STH 11/36/83 NB

24" CPRC

24" CPRC

48" CPRC

R/W

WETLAND BOUNDARY

BOX CULVERT (BIKE TRAIL) C-51-24

WHITE RIVER STATE TRAIL

WETLAND BOUNDARY

WETLAND BOUNDARY

R/W

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- R ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

OH

R/W

R/W

PC: 1237+87.99 'B'

STH 11/36/83 SB

STH 11/36/83 SB

1226'B' 1228'B' 1230'B' 1232'B' 1234'B' 1236'B' 1238'B' 1240'B'

R/L BYPASS

TYPE A

STH 11/36/83 NB

STH 11/36/83 NB

24" CPRC

OH

WHITE RIVER STATE TRAIL

WETLAND BOUNDARY

R/W

R/W

2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 99	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 04

PLOT DATE : 1/31/2022 12:45 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

R/W

WETLAND BOUNDARY

STH 11/36/83 SB

STH 11/36/83 NB

1242'B'

1244'B'

1246'B'

R/L BYPASS

1248'B'

1250'B'

TYPE A

1252'B'

1254'B'

1256'B'

N

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- R ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

PT: 261+69.12 'B'

1258'B'

1260'B'

1262'B'

1264'B'

1266'B'

1268'B'

1270'B'

1272'B'

24" CTPC

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 100	E

2

2

CTH E/DURAND AVE

126

128

130

STH 11/DURAND AVE

WETLAND BOUNDARY

R/W

STH 11/36/83 SB

STH 11/36/83 NB

STH 36/83 SB

STH 36/83 NB

1274'B'

1276'B'

1278'B'

1280'B'

1282'B'

1284'B'

1286'B'

1288'B'

R/L BYPASS

R/L DURAND

N

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- R ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

1290'B'

1292'B'

1294'B'

1296'B'

1298'B'

1300'B'

1302'B'

TYPE A

TYPE A

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 101	E

2

N

R/W

TURBIDITY BARRIER TO BE USED IF FIELD CONDITIONS WARRANT AND DIRECTED TO BY ENGINEER.

WETLAND BOUNDARY

TURBIDITY BARRIER TO BE USED IF FIELD CONDITIONS WARRANT AND DIRECTED TO BY ENGINEER.

EXIST ECO-PASSAGE

STH 36/83 SB

STH 36/83 NB

4'B' 1306'B' 1308'B' 1310'B' 1312'B' 1314'B' 1316'B' 1318'B'

TYPE A

R/L BYPASS

PC: 1314+67.34 'B'

PT: 1318+77.96 'B'

TURBIDITY BARRIER TO BE USED IF FIELD CONDITIONS WARRANT AND DIRECTED TO BY ENGINEER.

WETLAND BOUNDARY

TURBIDITY BARRIER TO BE USED IF FIELD CONDITIONS WARRANT AND DIRECTED TO BY ENGINEER.

TURBIDITY BARRIER TO BE USED IF FIELD CONDITIONS WARRANT AND DIRECTED TO BY ENGINEER.

WETLAND BOUNDARY

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- R ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

TURBIDITY BARRIER TO BE USED IF FIELD CONDITIONS WARRANT AND DIRECTED TO BY ENGINEER.

WETLAND BOUNDARY

R/W

STH 36/83 SB

STH 36/83 NB

1320'B' 1322'B' 1324'B' 1326'B' 1328'B' 1330'B' 1332'B' 1334'B'

TYPE A

R/L BYPASS

R/W

WETLAND BOUNDARY

N

R/W

CAUTION

KETTERHAGEN RD

PC: 1331+50.03 'B'

B-51-101

STH 36/83 SB

STH 36/83 NB

R/W

WETLAND BOUNDARY

KETTERHAGEN RD

R/W

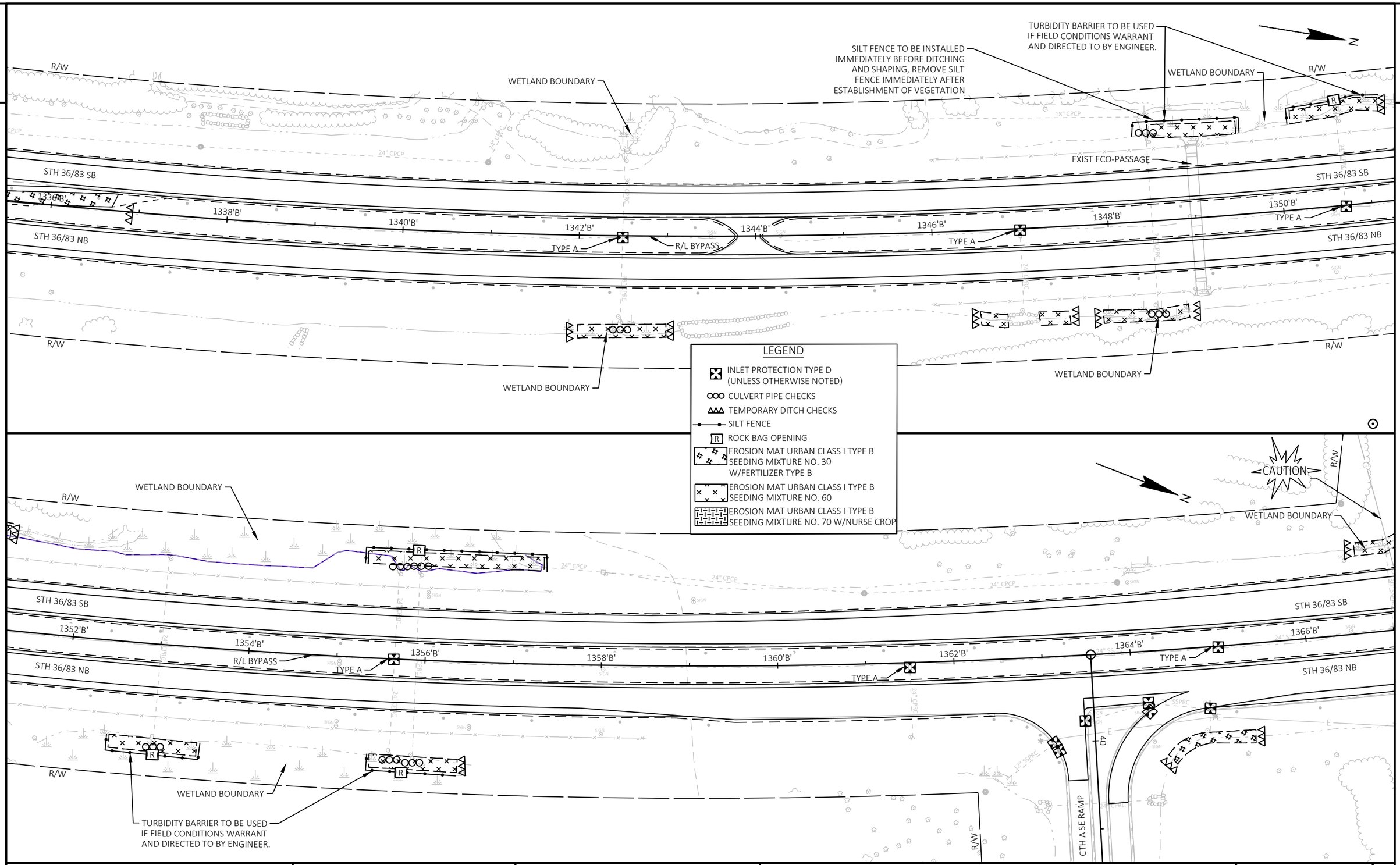
WETLAND BOUNDARY

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 102	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 07

PLOT DATE : 1/31/2022 12:48 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 103	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 08
PLOT DATE : 1/31/2022 12:49 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

WETLAND BOUNDARY

CTH A/PLANK RD

12" PU

B-51-98

PT: 1370+04.32 'B'

STH 36/83 SB

1368'B' 1370'B' 1372'B' 1374'B' 1376'B' 1378'B' 1380'B' 1382'B'

STH 36/83 NB

CTH A NW RAMP

R/W

WETLAND BOUNDARY

R/L NB TO SB RAMP

220

STH 36/83 SB

TYPE A

R/L BYPASS

TYPE A

STH 36/83 NB

18" CPCP

WETLAND BOUNDARY

R/W

CAUTION

CTH A/PLANK RD

R/W

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- [R] ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

R/W

FOX RIVER

R/W

R/L NB TO SB RAMP

PC: 1387+17.67

214 216 218

STH 36/83 SB

1384'B' 1386'B' 1388'B' 1390'B' 1392'B' 1394'B' 1396'B' 1398'B'

STH 36/83 NB

TYPE A

B-51-103

B-51-102

212 210 208 206 204

STH 36/83 NB TO SB RAMP

STH 36/83 SB

R/L BYPASS

TYPE A

STH 36/83 NB

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

WETL

18" CPCP

TOWN OF BURLINGTON

VILLAGE OF ROCHESTER

FOX RIVER

R/W

R/W

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 104	E

2

2

R/L NB TO SB RAMP

STH 36/83 NB TO SB RAMP

202

WETLAND BOUNDARY

STH 36/83 NB RAMP

204

STH 36/83 SB RAMP

206

R/L SB RAMP

208

SEVEN WATERS TRAIL

R/W

PT 1410+56.99 'B'

S-51-15

210

TYPE A

1404'B'

1406'B'

1408'B'

1410'B'

1412'B'

1414'B'

STH 36/83 SB

1402'B'

1400'B'

R/L BYPASS

TYPE A

STH 36/83 NB

206

R-51-29

TYPE A

WETLAND BOUNDARY

WETLAND BOUNDARY

B-51-113

208

210

212

STH 36/83 NB RAMP

214

R/L NB RAMP

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

R/W

STH 36/83 SB

STH 36/83 SB

1416'B'

1418'B'

1420'B'

1422'B'

1424'B'

1426'B'

1428'B'

R/L BYPASS

TYPE A

STH 36/83 NB

STH 36/83 NB

216

STH 36/83 NB RAMP

214

R/W

FOX RIVER

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 105	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 10

PLOT DATE : 1/31/2022 12:51 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

FOX RIVER

STA 1431'B'+00, 0.86' RT =
STA 229+02.27

B-51-56

STH 36/83 SB

B-51-78

'B'

230

R/L BYPASS

STH 36/83 NB

18" CPRC

TYPE A

234

R/L STH 36

236

238

240

242

R/W

R/L RIVER

20

SAN

N. RIVER RD

STH 36/83 SB

TYPE A

STH 36/83 NB

18

24" CPRC

16

N. RIVER RD

R/W

FOX RIVER

R/W

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- R ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

R/W

STH 36/83 SB

STH 36/83 SB

244

246

248

250

252

254

256

258

R/L STH 36

TYPE A

24" CPRC

STH 36/83 NB

STH 36/83 NB

R/W

R/W

WETLAND BOUNDARY

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 106	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 11

PLOT DATE : 1/31/2022 12:52 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

WETLAND BOUNDARY

WETLAND BOUNDARY

R/W

R/W

STH 36/83 SB

STH 36/83 SB

260 262 264 266 268 270 272 274

R/L STH 36

TYPE A

STH 36/83 NB

STH 36/83 NB

WETLAND BOUNDARY

R/W

R/W

WETLAND BOUNDARY

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- R ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

ENGLISH SETTLEMENT AVE

CTH J

18

R/W

R/W

WETLAND BOUNDARY

R/W

R/W

STH 36/83 SB

STH 36/83 SB

R/L CTH J

276 278 280 282 284 286 288 290

TYPE A

R/L STH 36

TYPE A

STH 36/83 NB

STH 36/83 NB

R/W

CTH J

ENGLISH SETTLEMENT AVE

R/W

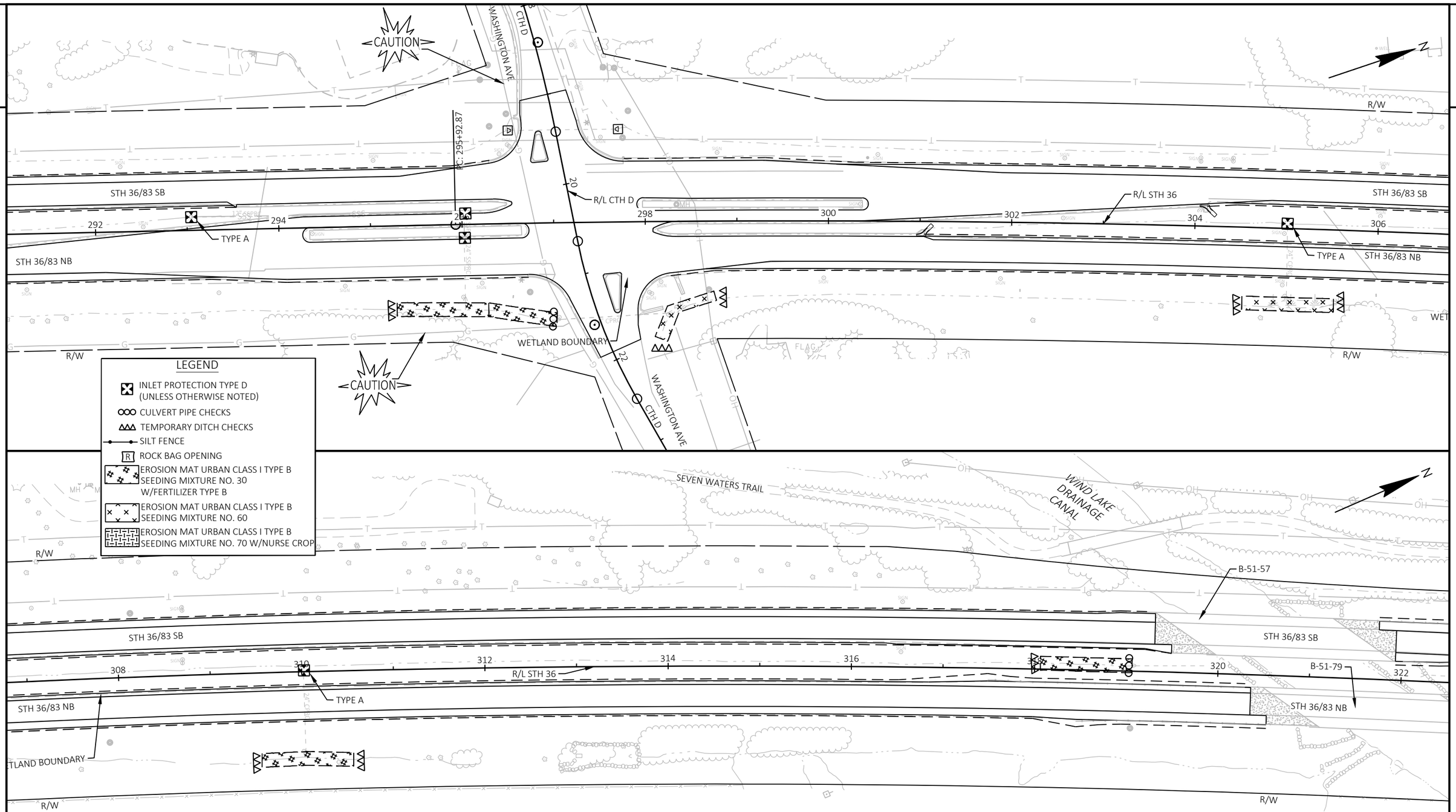
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 107	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 12

PLOT DATE : 1/31/2022 12:54 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 108	E

2

2

SEVEN WATERS TRAIL

HIDDEN CIRCLE

R/W

STH 36/83 SB

STH 36/83 NB

24" CPRC

324 326 328 330 332 334 336 338

TYPE A

TYPE A

R/L STH 36

B-51-79

WIND LAKE DRAINAGE CANAL

R/W

R/W

STH 36/83 SB

STH 36/83 NB

LEGEND

- INLET PROTECTION TYPE D (UNLESS OTHERWISE NOTED)
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- ROCK BAG OPENING
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 30 W/FERTILIZER TYPE B
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 60
- EROSION MAT URBAN CLASS I TYPE B SEEDING MIXTURE NO. 70 W/NURSE CROP

STH 20/83/BECK DR

104

R/L STH 83

WETLAND BOUNDARY

R/W

CAUTION

CANOPY

R/W

END PROJECT
STA 351+75

TYPE A

TYPE A

STH 36/83 SB

12" SSPRC

344 346 348 350 352

R/L STH 36

STH 36/83 NB

STH 36 SB

STH 36 NB

106

102

R/L STH 20

POST

R/W

R/W

VILLAGE OF ROCHESTER
VILLAGE OF WATERFORD

WETLAND BOUNDARY

WETLAND BOUNDARY

WETLAND BOUNDARY

STH 20/BECK DR

104

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	EROSION CONTROL	SHEET 109	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 14

PLOT DATE : 1/31/2022 12:56 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STH 36/83 SB

CAUTION

SAWING ASPHALT

STA 344+61, 15.0' LT
MANHOLES 4-C
2

STA 344+92, 15.0' LT
MANHOLES 6-C
1

12"

12"

CONCRETE COLLARS FOR PIPE

R/L STH 83

STH 20/83/BECK DR

STH 36 SB

344+00

345+00

346+00

R/L STH 36

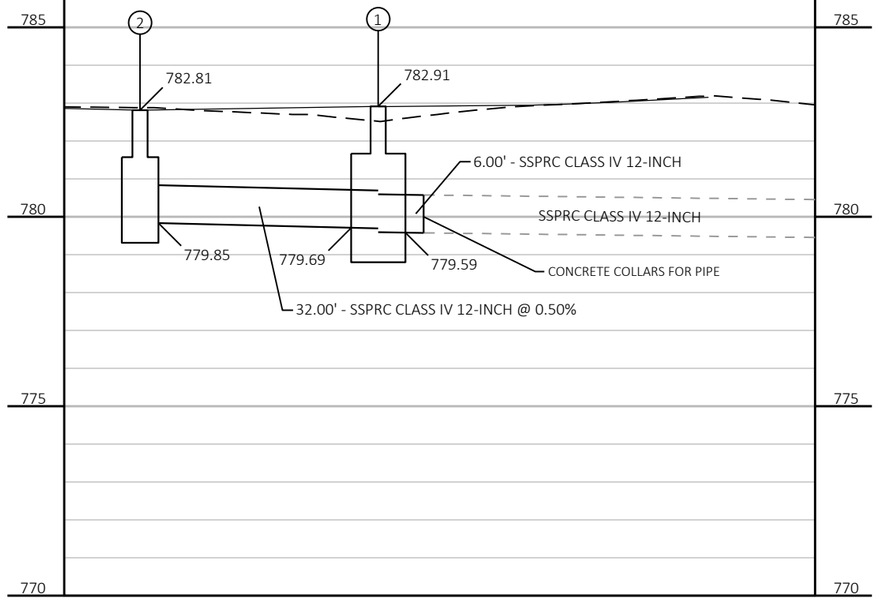
STH 36/83 NB

STH 36 NB

R/L STH 20

STH 20/BECK DR

102+00



2

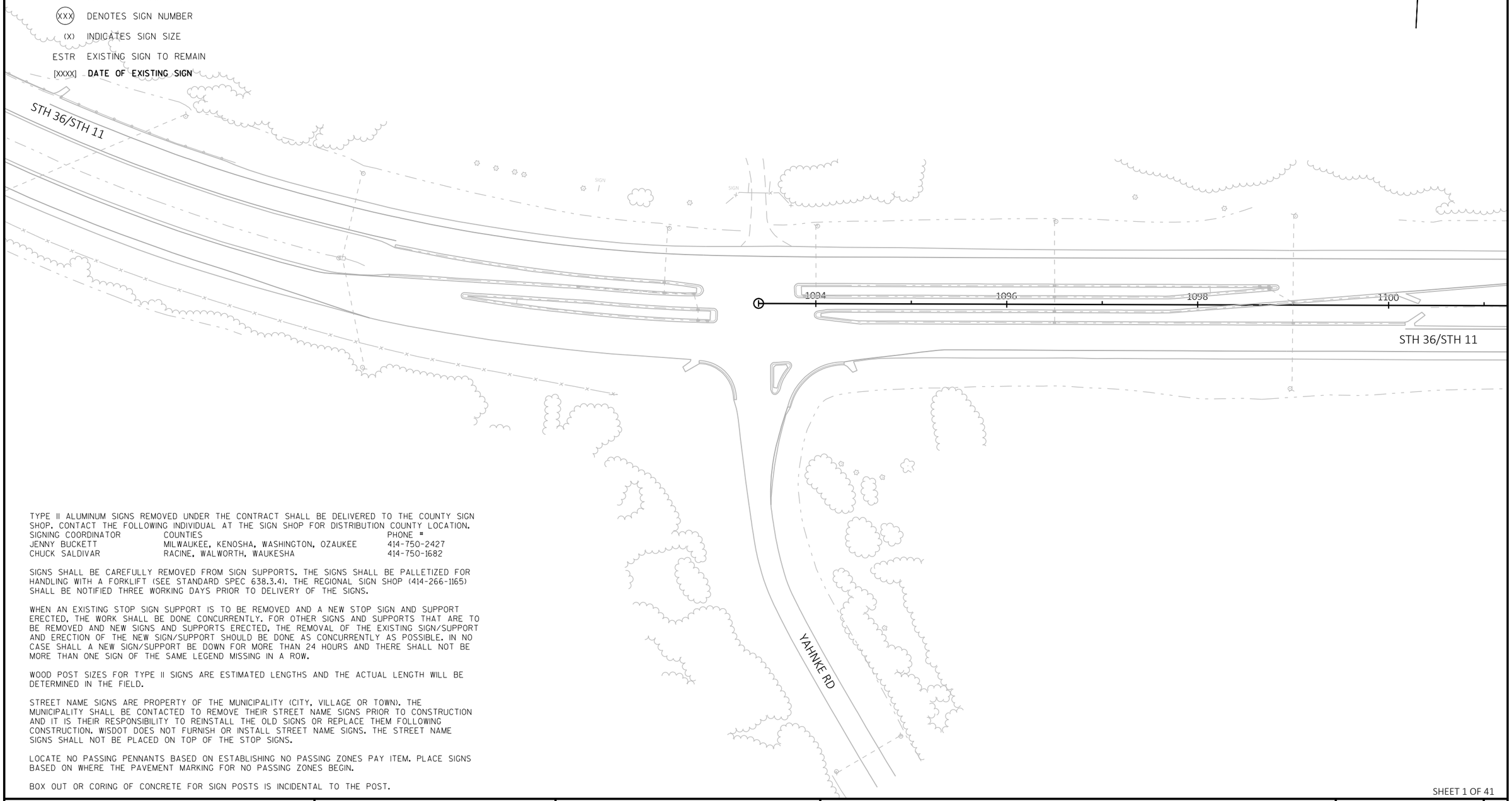
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N

2



TYPE II ALUMINUM SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE COUNTY SIGN SHOP. CONTACT THE FOLLOWING INDIVIDUAL AT THE SIGN SHOP FOR DISTRIBUTION COUNTY LOCATION.

SIGNING COORDINATOR	COUNTIES	PHONE #
JENNY BUCKETT	MILWAUKEE, KENOSHA, WASHINGTON, OZAUKEE	414-750-2427
CHUCK SALDIVAR	RACINE, WALWORTH, WAUKESHA	414-750-1682

SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (414-266-1165) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.

WHEN AN EXISTING STOP SIGN SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POST SIZES FOR TYPE II SIGNS ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

STREET NAME SIGNS ARE PROPERTY OF THE MUNICIPALITY (CITY, VILLAGE OR TOWN). THE MUNICIPALITY SHALL BE CONTACTED TO REMOVE THEIR STREET NAME SIGNS PRIOR TO CONSTRUCTION AND IT IS THEIR RESPONSIBILITY TO REINSTALL THE OLD SIGNS OR REPLACE THEM FOLLOWING CONSTRUCTION. WISDOT DOES NOT FURNISH OR INSTALL STREET NAME SIGNS. THE STREET NAME SIGNS SHALL NOT BE PLACED ON TOP OF THE STOP SIGNS.

LOCATE NO PASSING PENNANTS BASED ON ESTABLISHING NO PASSING ZONES PAY ITEM. PLACE SIGNS BASED ON WHERE THE PAVEMENT MARKING FOR NO PASSING ZONES BEGIN.

BOX OUT OR CORING OF CONCRETE FOR SIGN POSTS IS INCIDENTAL TO THE POST.

SHEET 1 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 111	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023201_PS

PLOT DATE : 10/28/2021 8:08 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

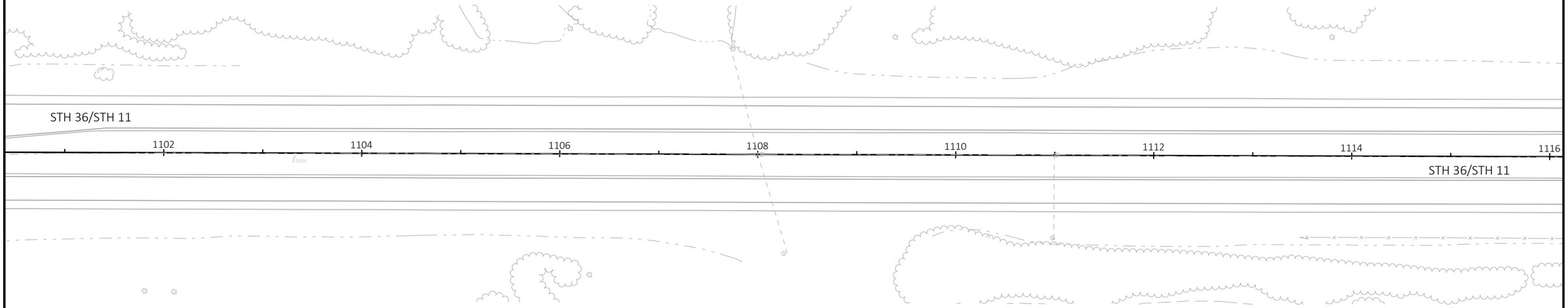
2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



2

SHEET 2 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 112	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023202_PS

PLOT DATE : 10/28/2021 8:09 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

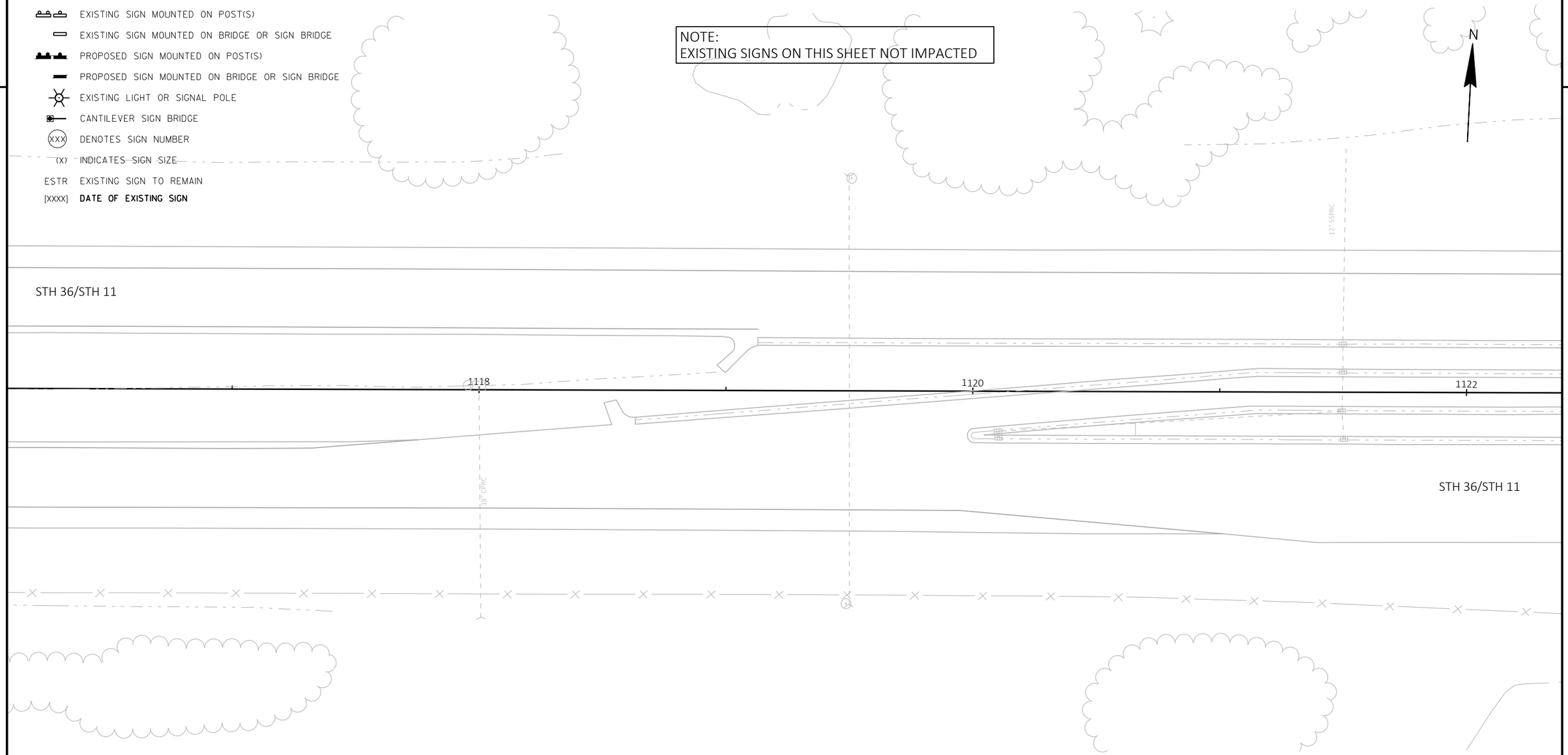
(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



2

SHEET 3 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 113	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023203_PS

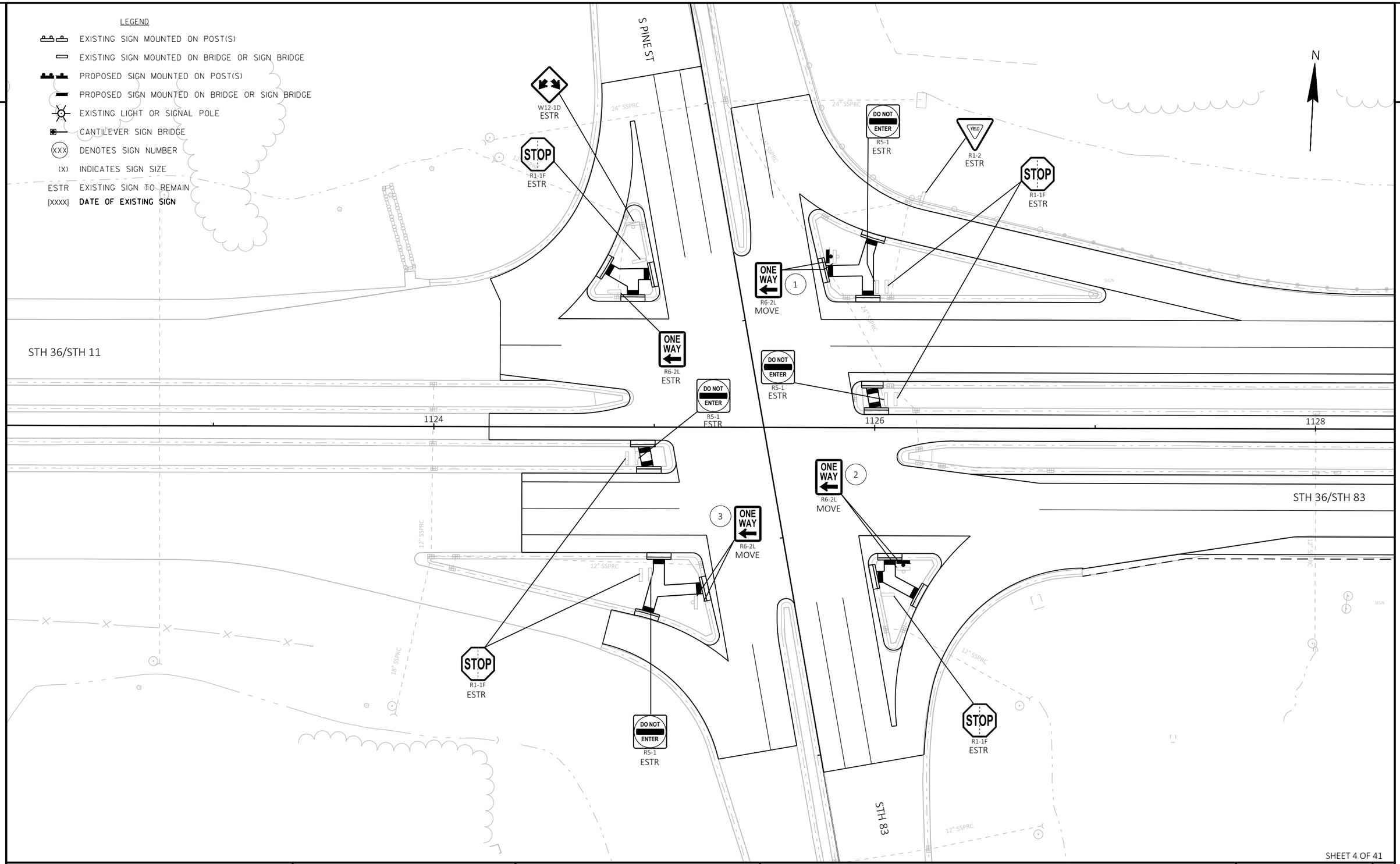
PLOT DATE : 10/28/2021 8:09 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**



SHEET 4 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 114 E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023204_PS

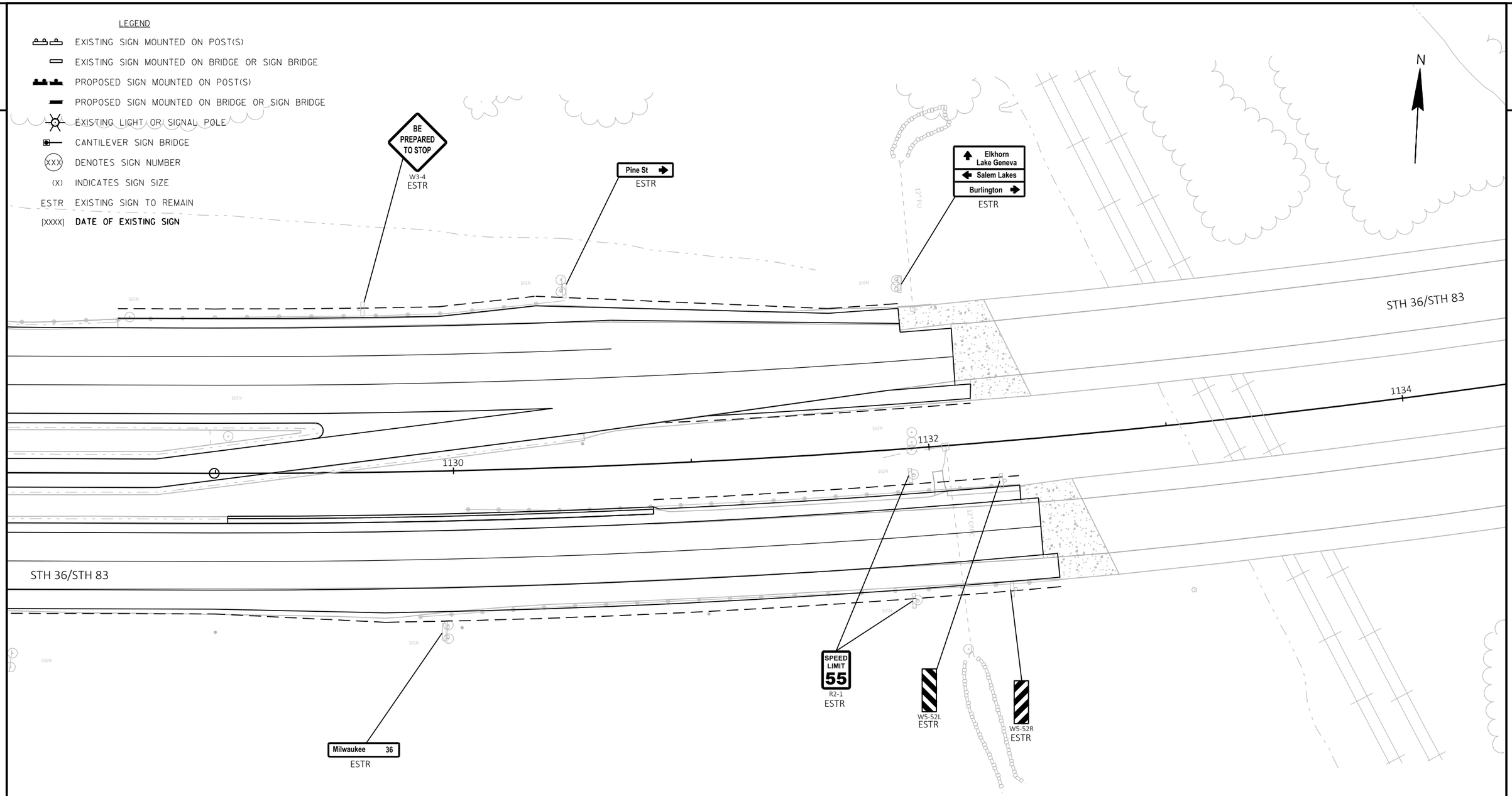
PLOT DATE : 10/28/2021 8:10 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**



SHEET 5 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 115	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023205_PS

PLOT DATE : 10/28/2021 8:11 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

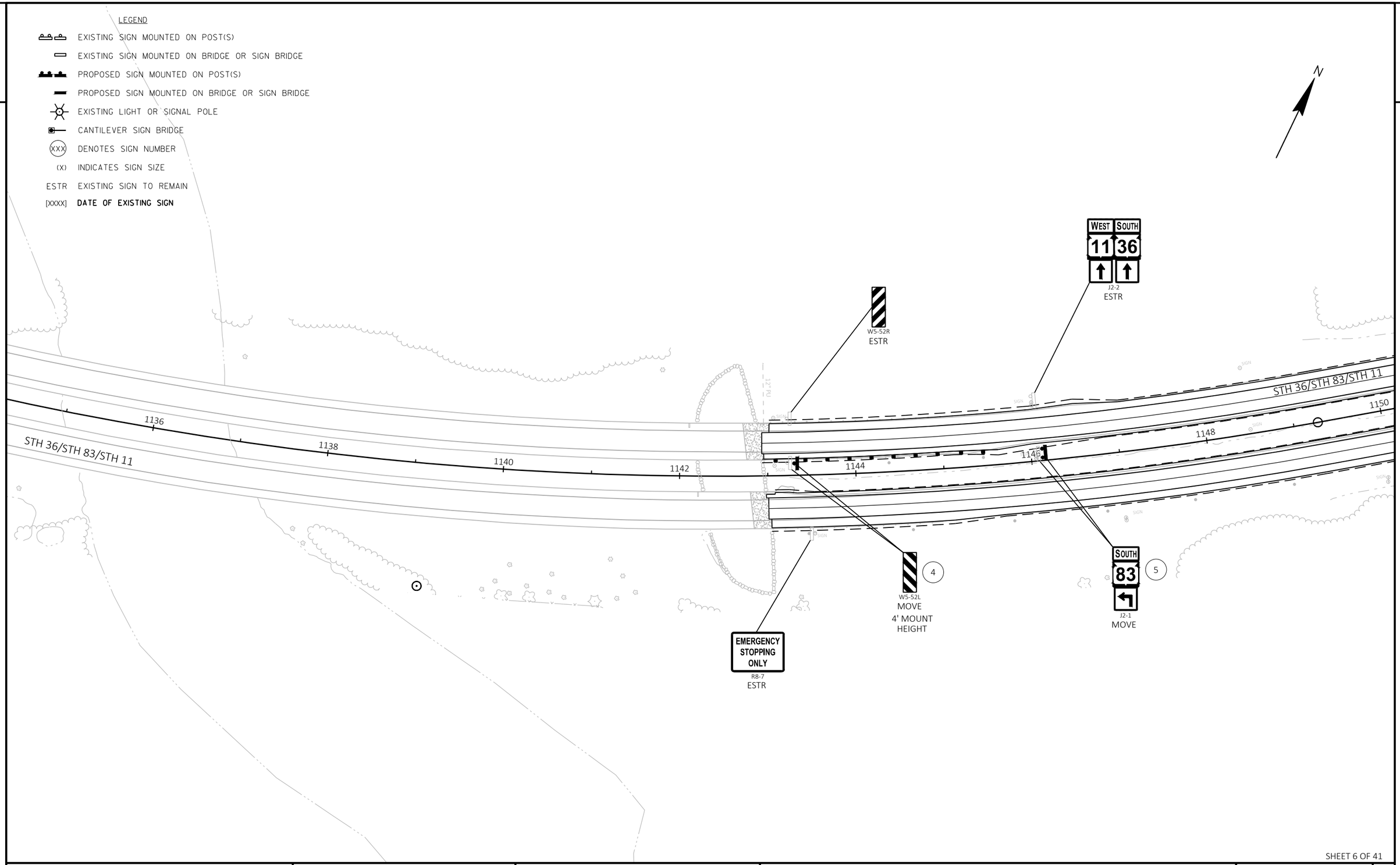
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**



SHEET 6 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 116	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023206_PS

PLOT DATE : 10/28/2021 8:12 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

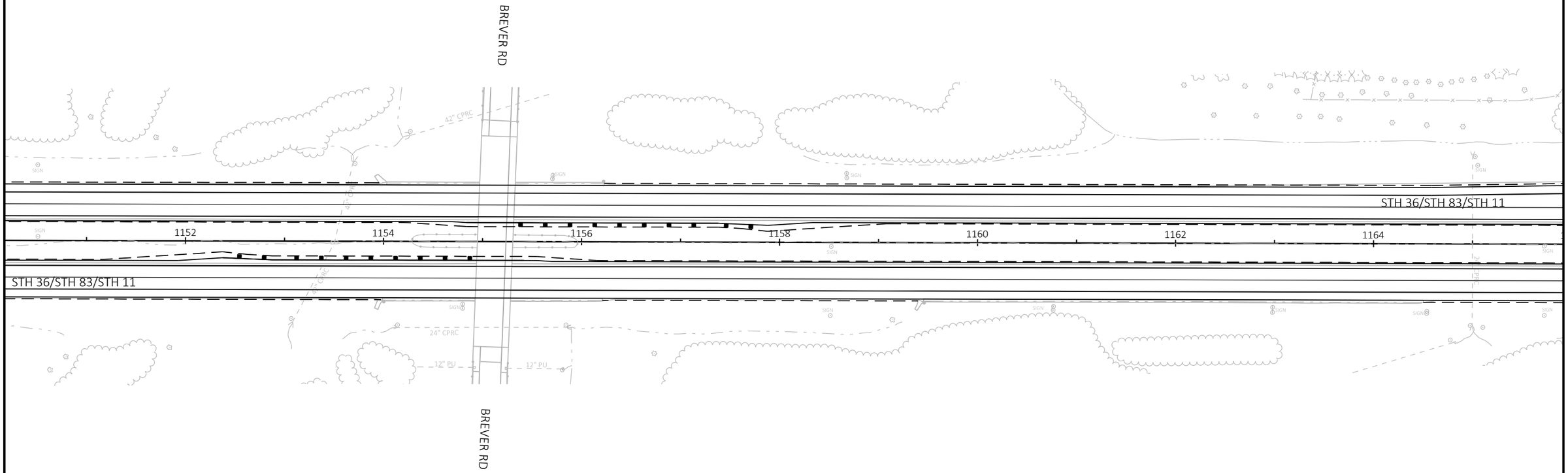
(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N

STH 142 (BUSHNELL RD)

STH 36/STH 83/STH 11

1166 1168 1170 1172 1174 1176 1178 1180

STH 36/STH 83/STH 11

STH 142 (BUSHNELL RD)

SHEET 8 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 118 E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023208_PS

PLOT DATE : 10/28/2021 8:13 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

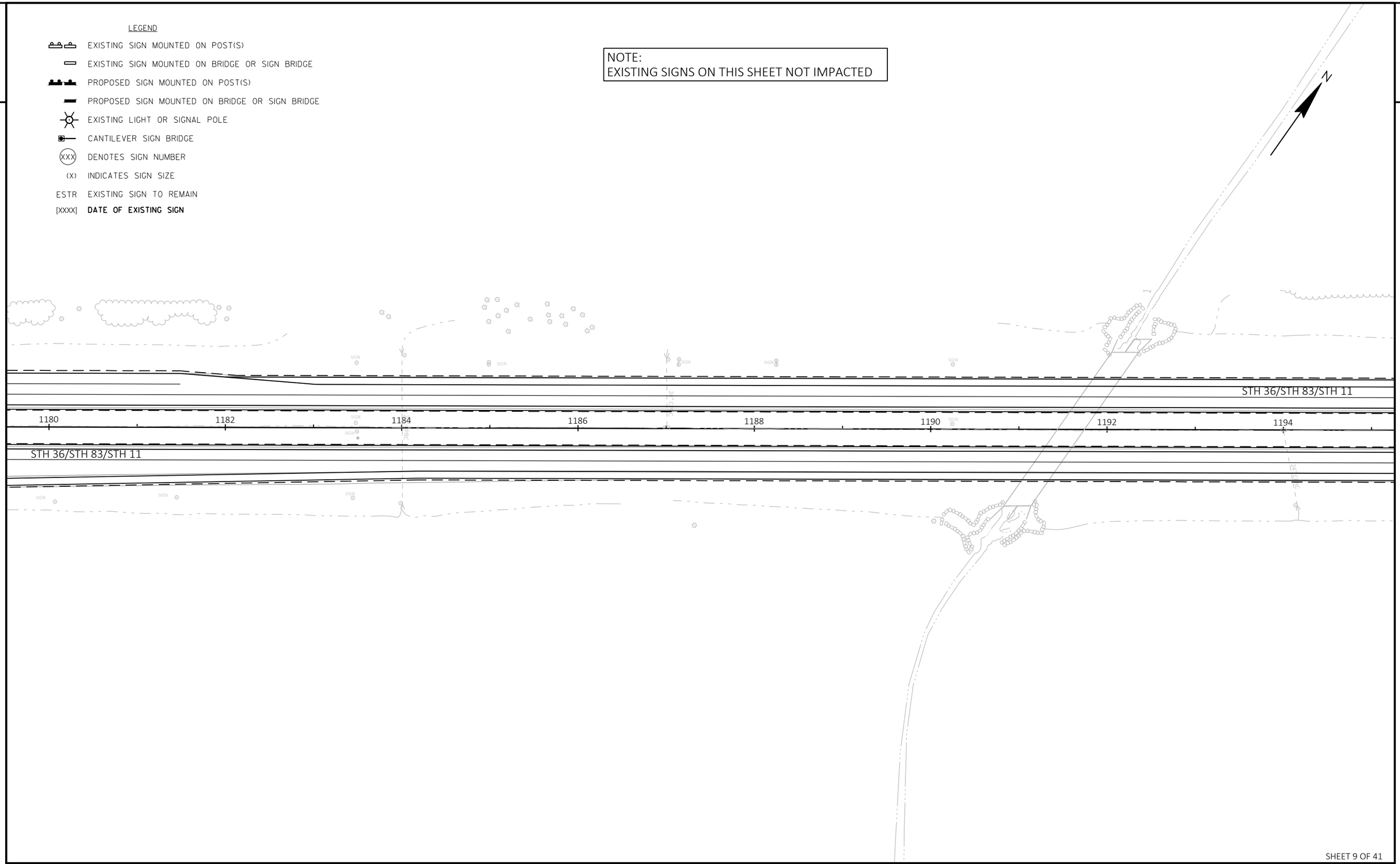
(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



2

SHEET 9 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 119	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023209_PS

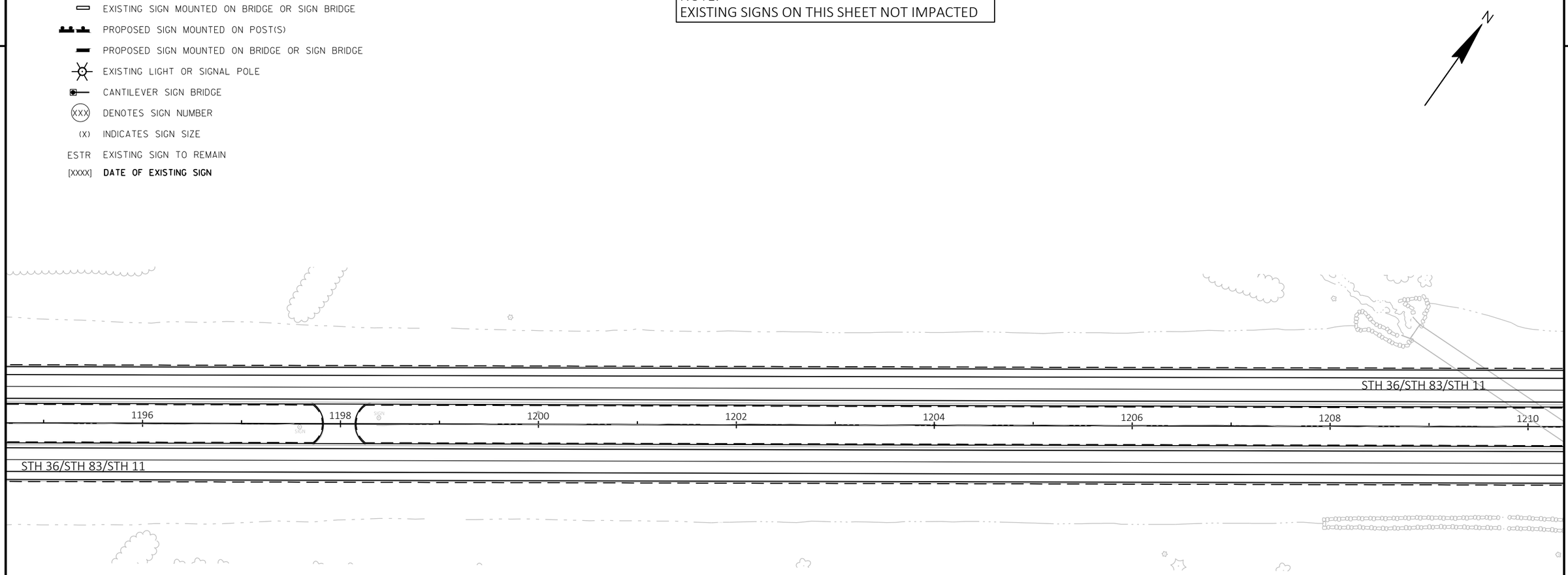
PLOT DATE : 10/28/2021 8:14 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



2

SHEET 10 OF 41

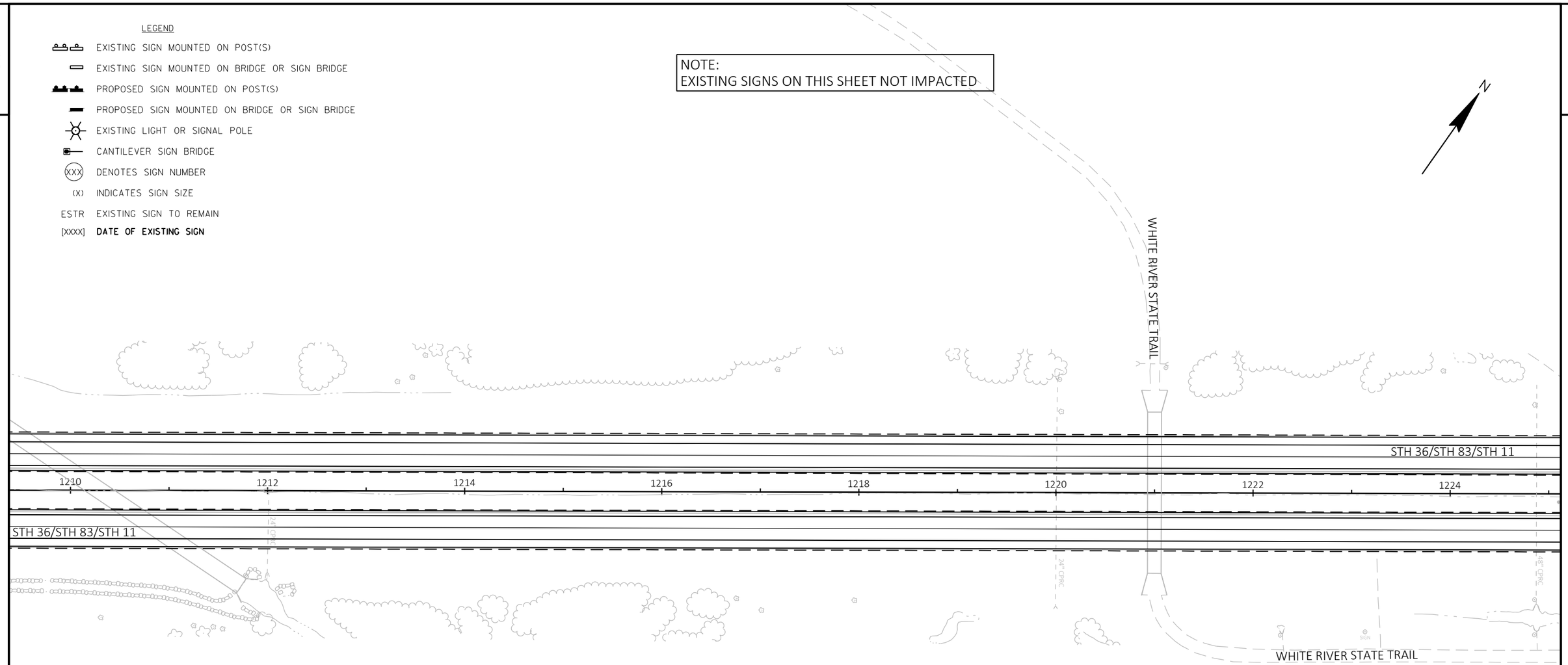
PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 120	E

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



2

SHEET 11 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 121	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023211_PS

PLOT DATE : 10/28/2021 8:16 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

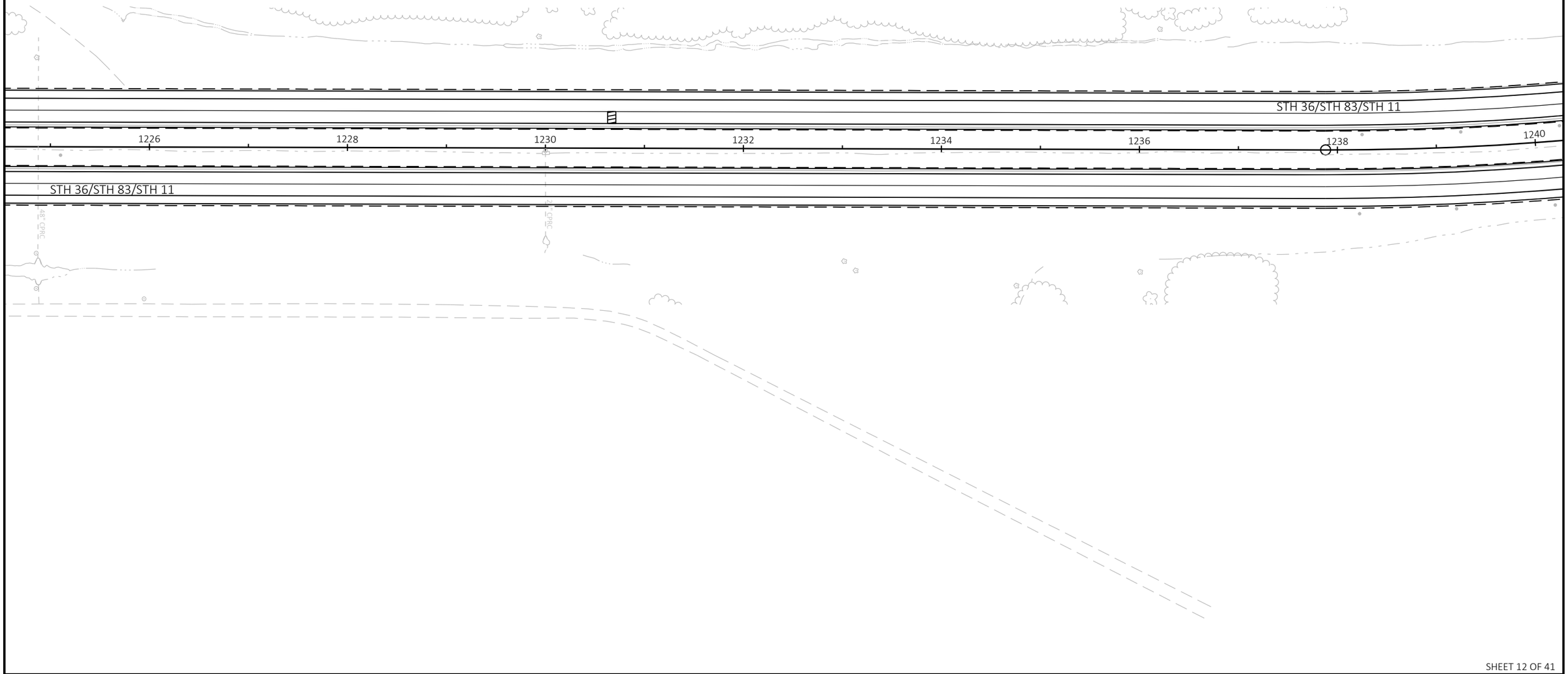
(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



2

SHEET 12 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 122	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023212_PS

PLOT DATE : 10/28/2021 8:16 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

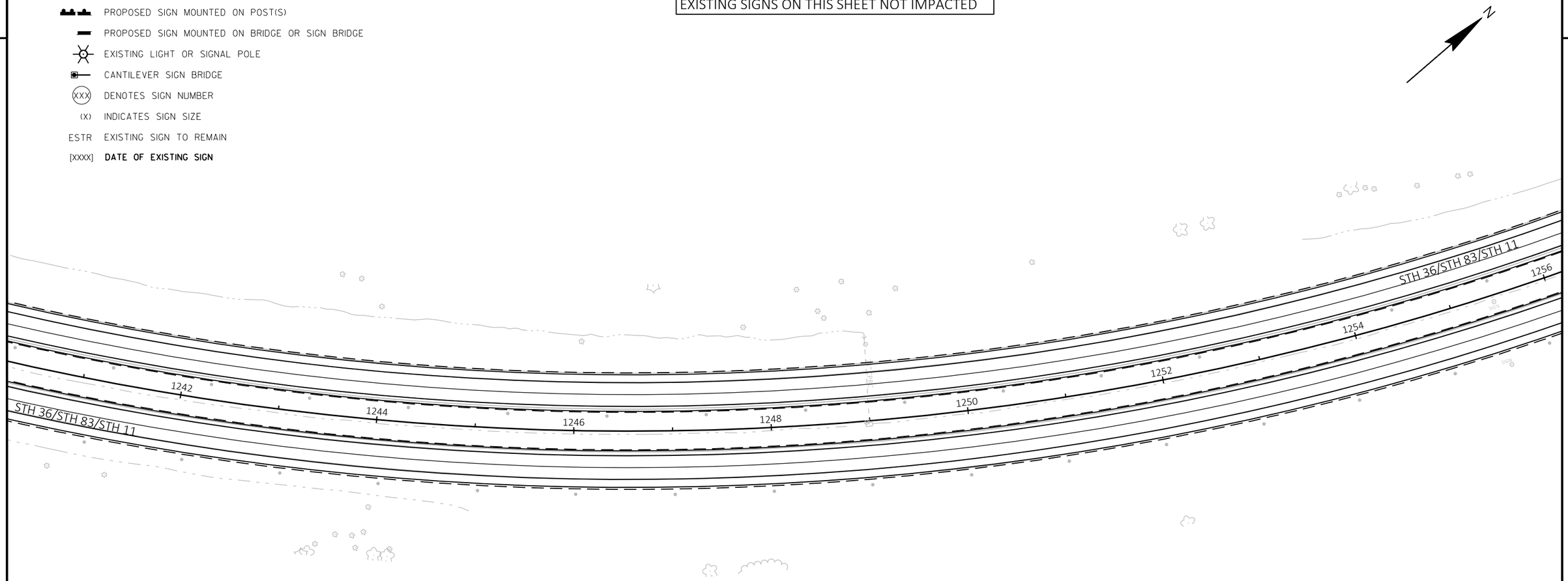
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



2

SHEET 13 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 123	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023213_PS

PLOT DATE : 10/28/2021 8:17 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

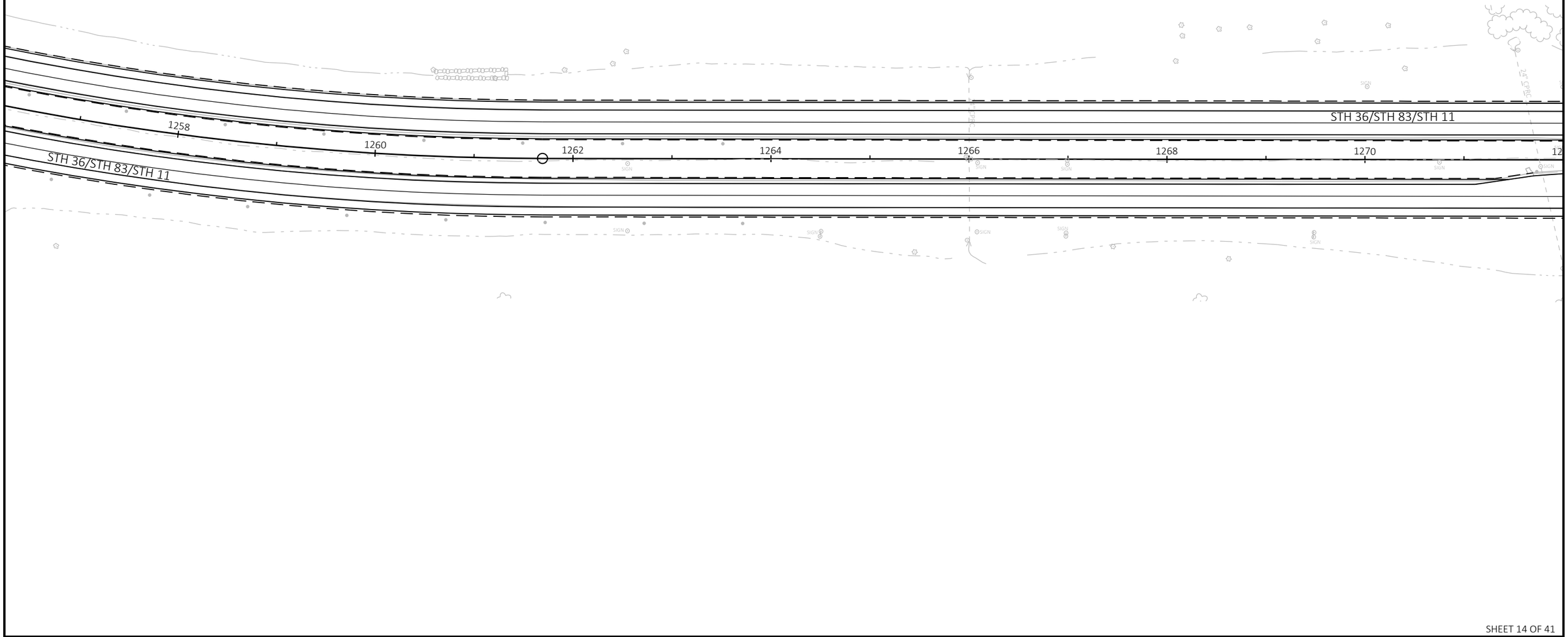
2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



2

SHEET 14 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 124	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023214_PS

PLOT DATE : 10/28/2021 8:18 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

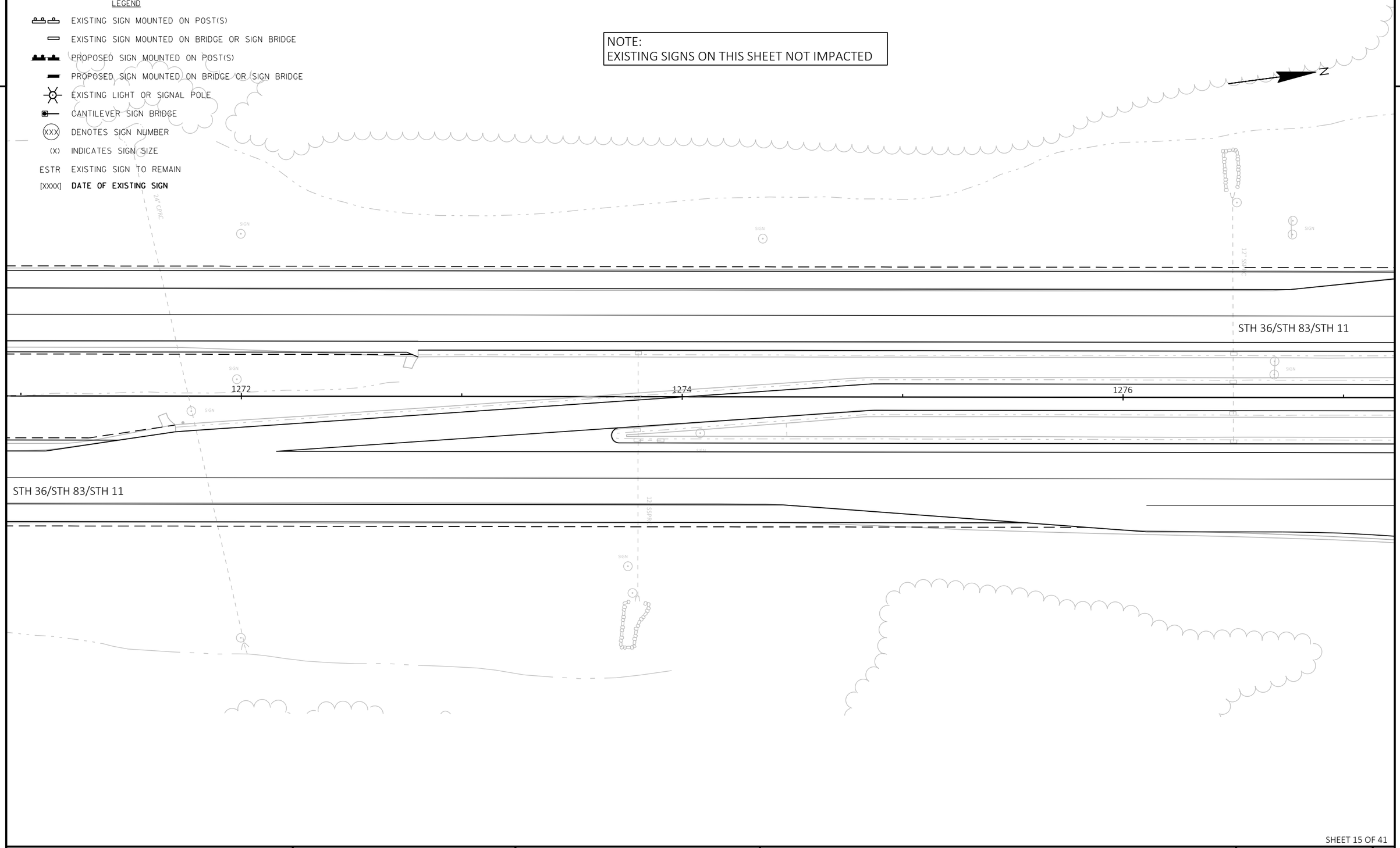
(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



2

SHEET 15 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 125	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023215_PS

PLOT DATE : 10/28/2021 8:19 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] **DATE OF EXISTING SIGN**

CTH E (DURAND AVE)

N

STH 36/STH 83

STH 36/STH 83/STH 11

STH 11 (DURAND AVE)

W12-1D ESTR

STOP R1-1F ESTR

6 ONE WAY R6-2L MOVE

7 ONE WAY R6-2L MOVE

8 ONE WAY R6-2L MOVE

9 ONE WAY R6-2L MOVE

DO NOT ENTER R5-1 ESTR

1278

1280

1282

130

12" SSPRC

24" CPRC

12" CPRC

SIGN

SHEET 16 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 126	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023216_PS

PLOT DATE : 10/28/2021 8:19 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

XXX DENOTES SIGN NUMBER

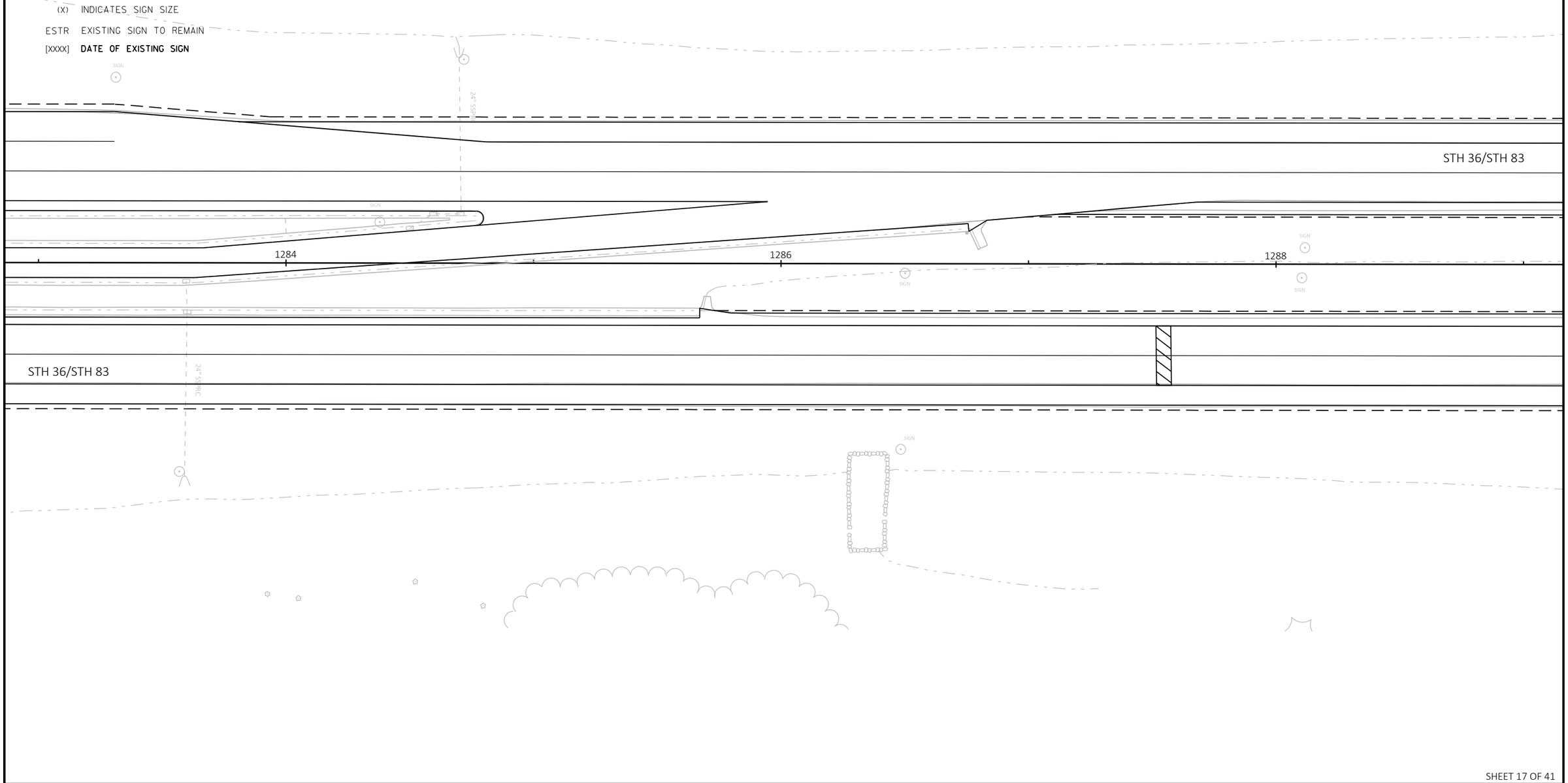
(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



2

SHEET 17 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 127	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023217_PS

PLOT DATE : 10/28/2021 8:20 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

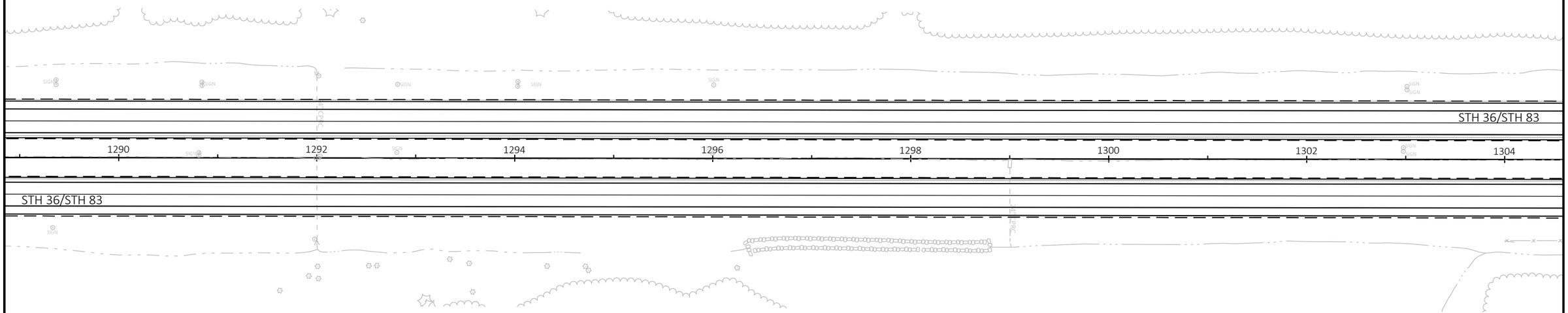
2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



2

SHEET 18 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 128	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023218_PS

PLOT DATE : 10/28/2021 8:21 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

(XXX) DENOTES SIGN NUMBER

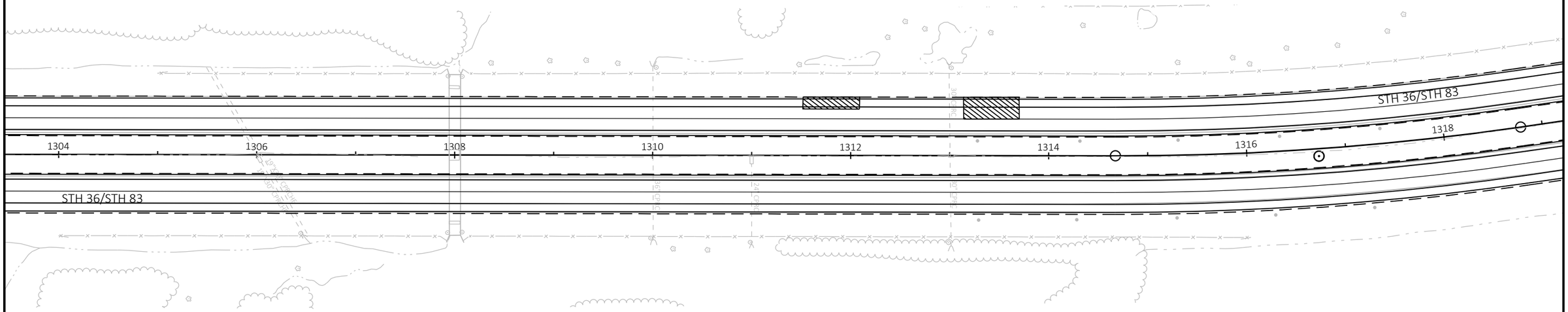
(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



SHEET 19 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 129	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023219_PS

PLOT DATE : 10/28/2021 8:22 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

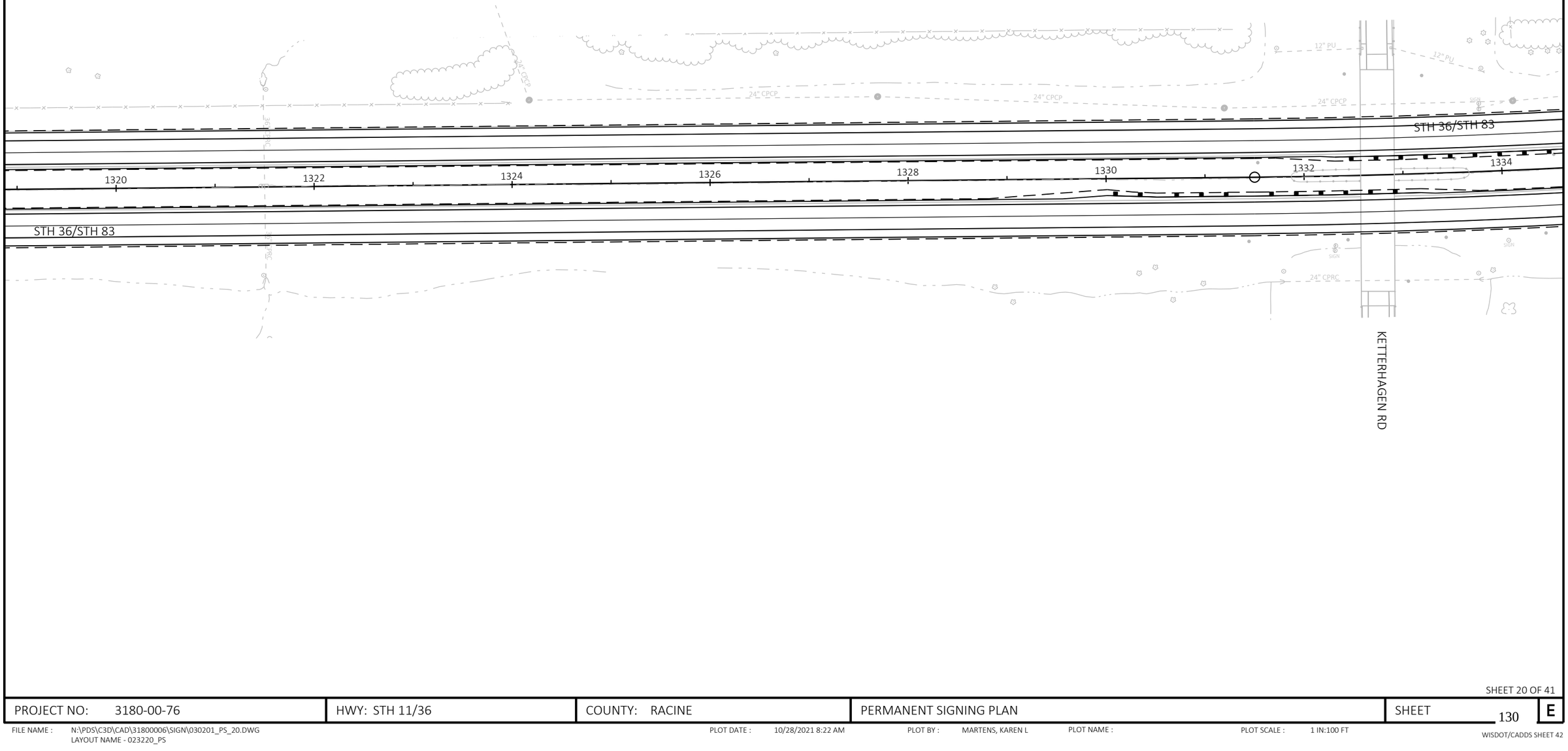
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N

KETTERHAGEN RD



KETTERHAGEN RD

SHEET 20 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 130	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023220_PS

PLOT DATE : 10/28/2021 8:22 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

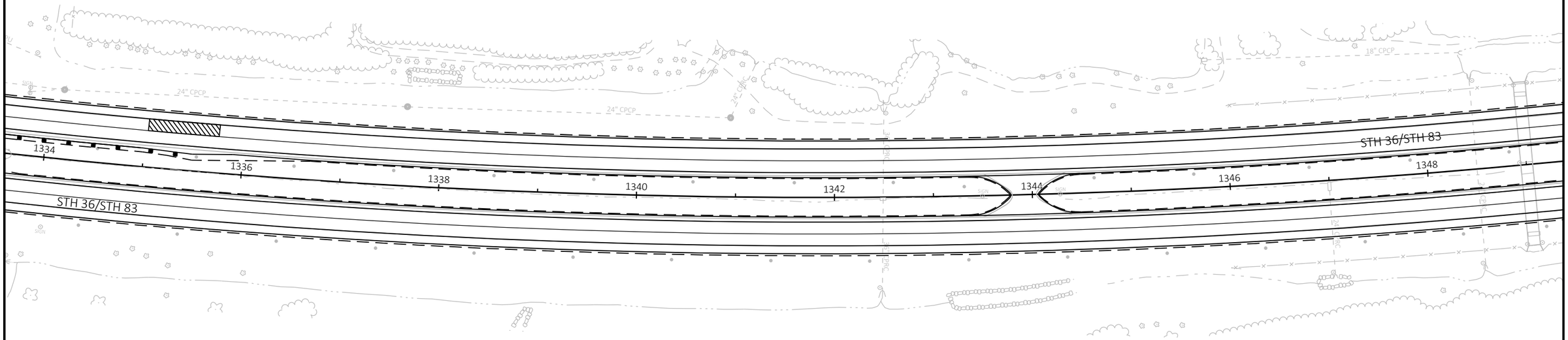
2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



SHEET 21 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 131	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023221_PS

PLOT DATE : 10/28/2021 8:23 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

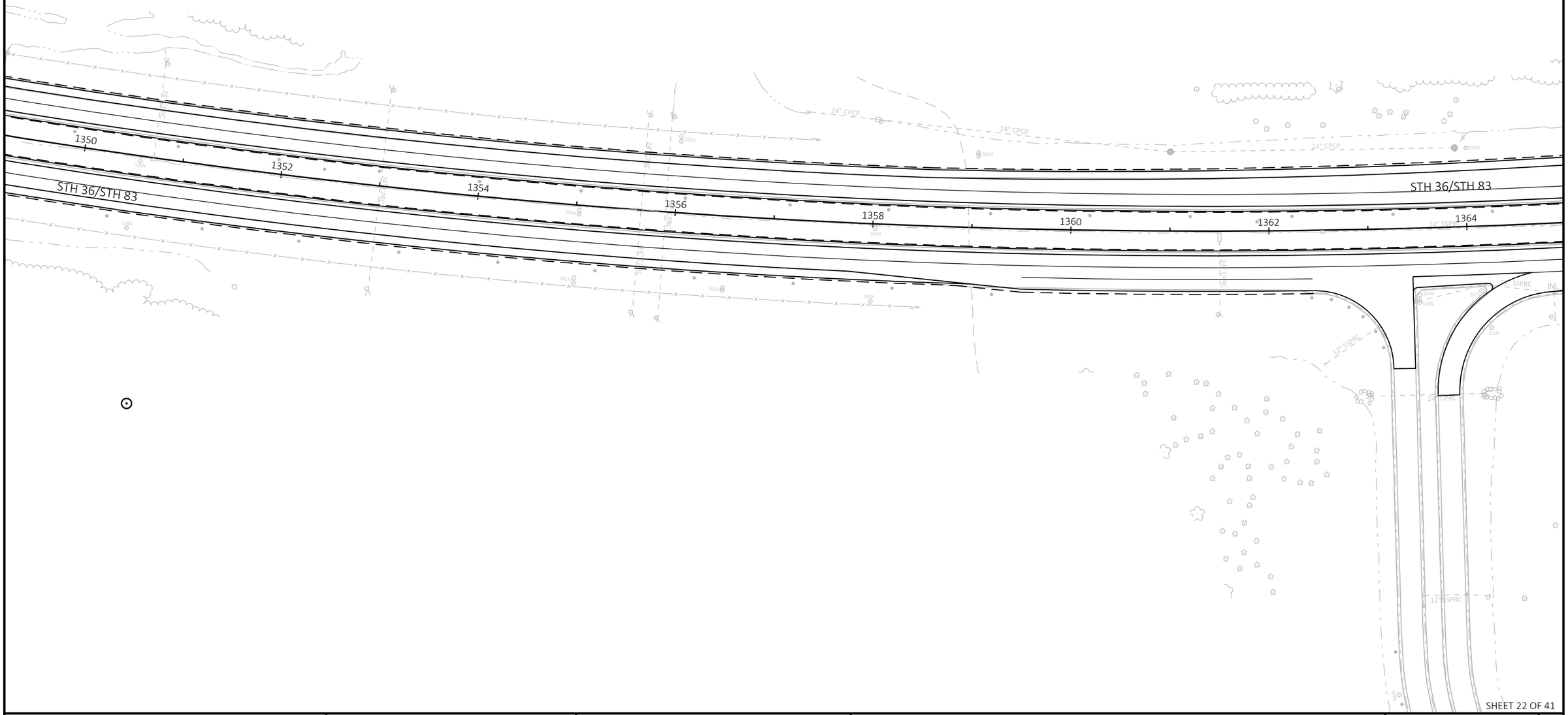
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



SHEET 22 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 132	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023222_PS

PLOT DATE : 10/28/2021 8:24 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

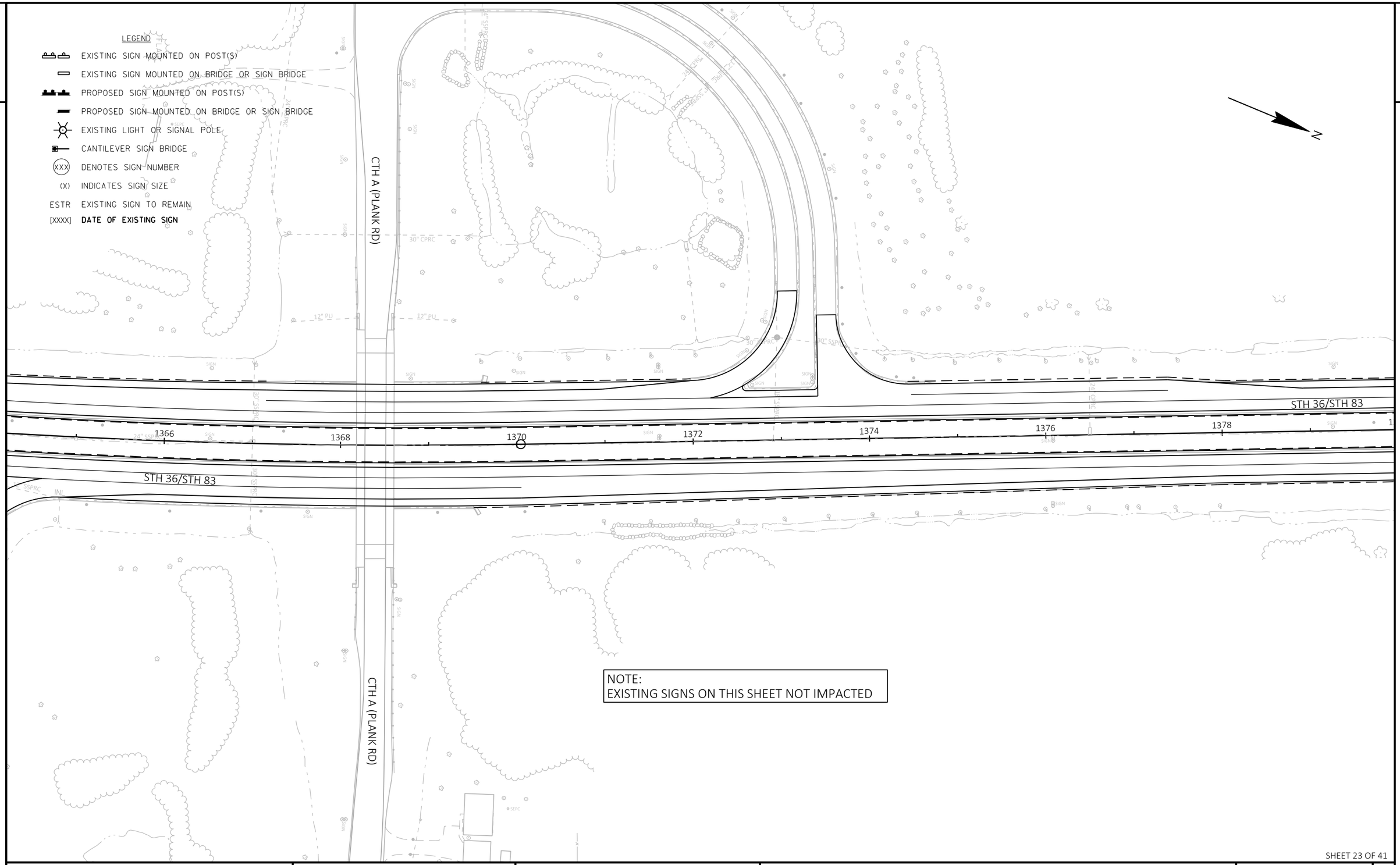
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**



NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

SHEET 23 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 133	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023223_PS

PLOT DATE : 10/28/2021 8:25 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

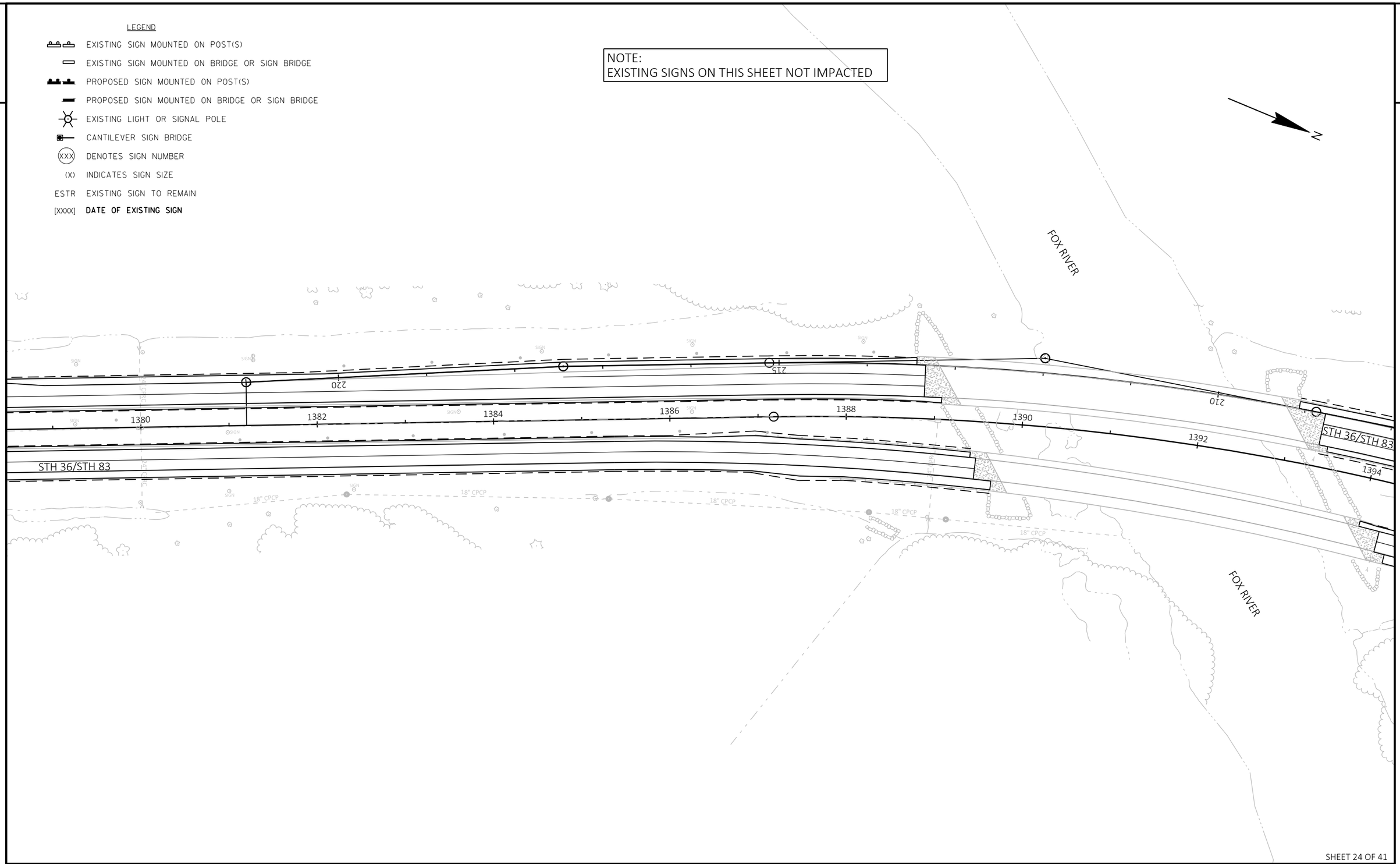
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



SHEET 24 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 134	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023224_PS

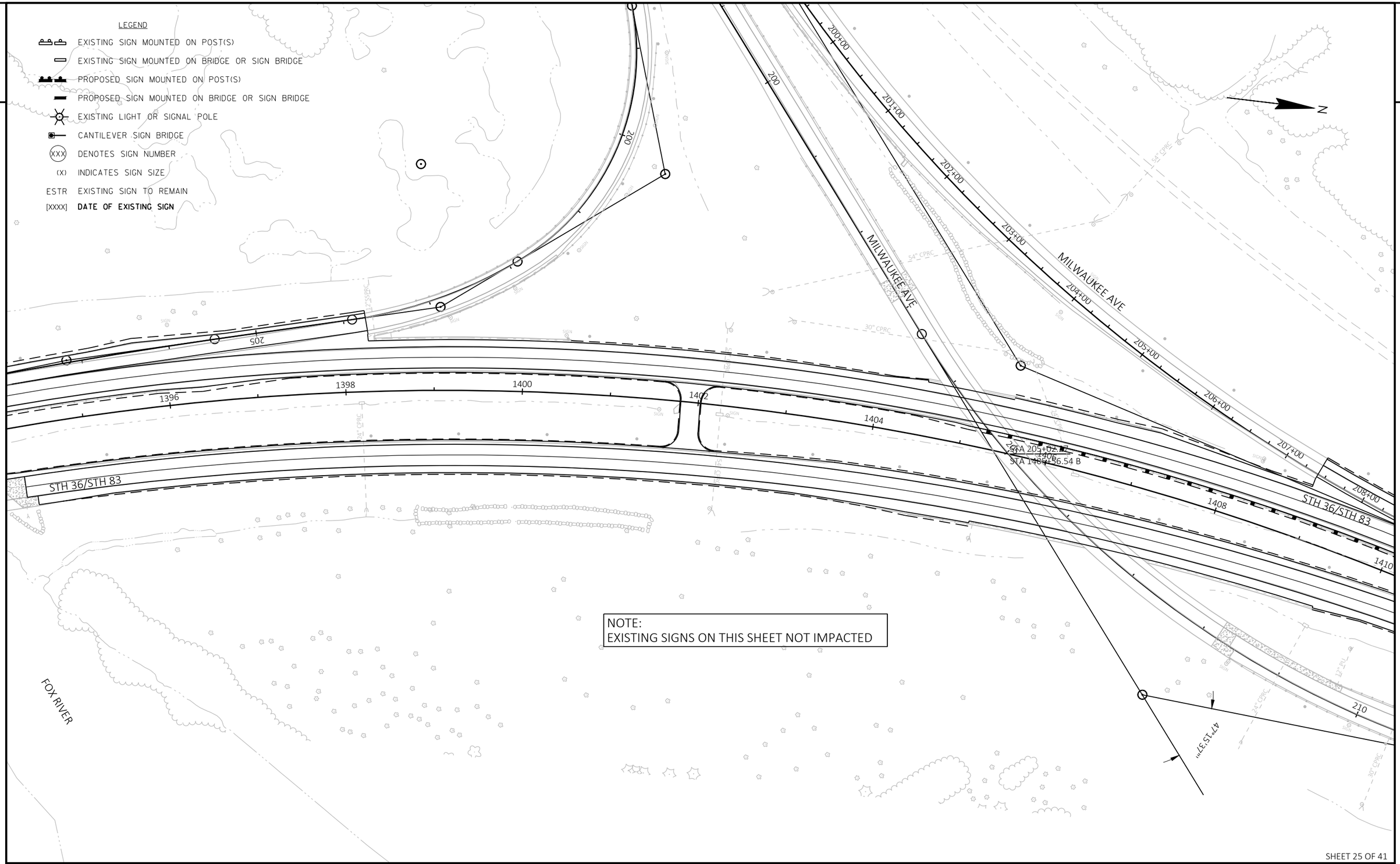
PLOT DATE : 10/28/2021 8:26 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**



NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

SHEET 25 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 135	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030201_PS_20.DWG
LAYOUT NAME - 023225_PS

PLOT DATE : 10/28/2021 8:26 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

EXISTING OVERHEAD SIGN STRUCTURE
TO REMAIN
S-51-14

MILWAUKEE AVE

N

10

36 83 NORTH
Rochester
Waterford
50 MPH

TYPE I SIGN
I-BEAMS INCIDENTAL

11

SOUTH 36 83 TO 11
Elkhorn
EXIT 25 MPH
EXIT ONLY

TYPE I SIGN
I-BEAMS INCIDENTAL

36 83 NORTH
Rochester
Waterford
50 MPH

REMOVE [2006]

36 83 SOUTH
TO 11 BYPASS
Elkhorn
25 MPH
RAMP ONLY

REMOVE [2006]

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

54" CPRC

30" CPRC

STH 36/STH 83

STA 205+00

STA 1405+

SHEET 25A OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 136	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023225A_PS

PLOT DATE : 10/28/2021 8:27 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

CTH W (S BROWNS LAKE DR)

N

36 83 NORTH
Rochester
Waterford
AHEAD
REMOVE [2006]

36 83 NORTH
Rochester
Waterford
AHEAD
13
TYPE I SIGN
REUSE STEEL POSTS

SOUTH TO
36 83 11
1/2 MILE
EXIT ONLY
12
TYPE I SIGN
I-BEAMS INCIDENTAL

36 83 SOUTH
TO 11 BYPASS
1/2 MILE
ONLY
REMOVE [2006]

MILWAUKEE AVE

600'

EXISTING OVERHEAD SIGN STRUCTURE
TO REMAIN
S-51-16

RIGHT LANE
MUST EXIT
R3-33R
20

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

SHEET 25B OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 137	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023225B_PS

PLOT DATE : 10/28/2021 8:28 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

N

STH 36/STH 83

EXISTING OVERHEAD SIGN STRUCTURE
TO REMAIN
S-51-15

MILWAUKEE AVE

STH 36/STH 83

30' CPRC

24' CPRC

14

SOUTH TO
36 83 11
Elkhorn

TYPE I SIGN
I-BEAMS INCIDENTAL

15

Burlington
EXIT ONLY

TYPE I SIGN
I-BEAMS INCIDENTAL

36 83 SOUTH
TO 11 BYPASS
Elkhorn

REMOVE [2006]

Burlington
EXIT ONLY

REMOVE [2006]

SHEET 26 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 138	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023226_PS

PLOT DATE : 10/28/2021 8:29 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

Burlington
1/4 MILE
RIGHT LANE
EXIT ONLY
REMOVE

16
Burlington
1/4 MILE
RIGHT LANE
EXIT ONLY
TYPE I SIGN
REUSE STEEL POSTS

FOX RIVER

STH 36/STH 83

18" CPRC

STH 36/STH 83

RIGHT LANE
MUST EXIT
19
R3-33R

FOX RIVER

N

SHEET 27 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 139	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023227_PS

PLOT DATE : 10/28/2021 8:30 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

XXX DENOTES SIGN NUMBER

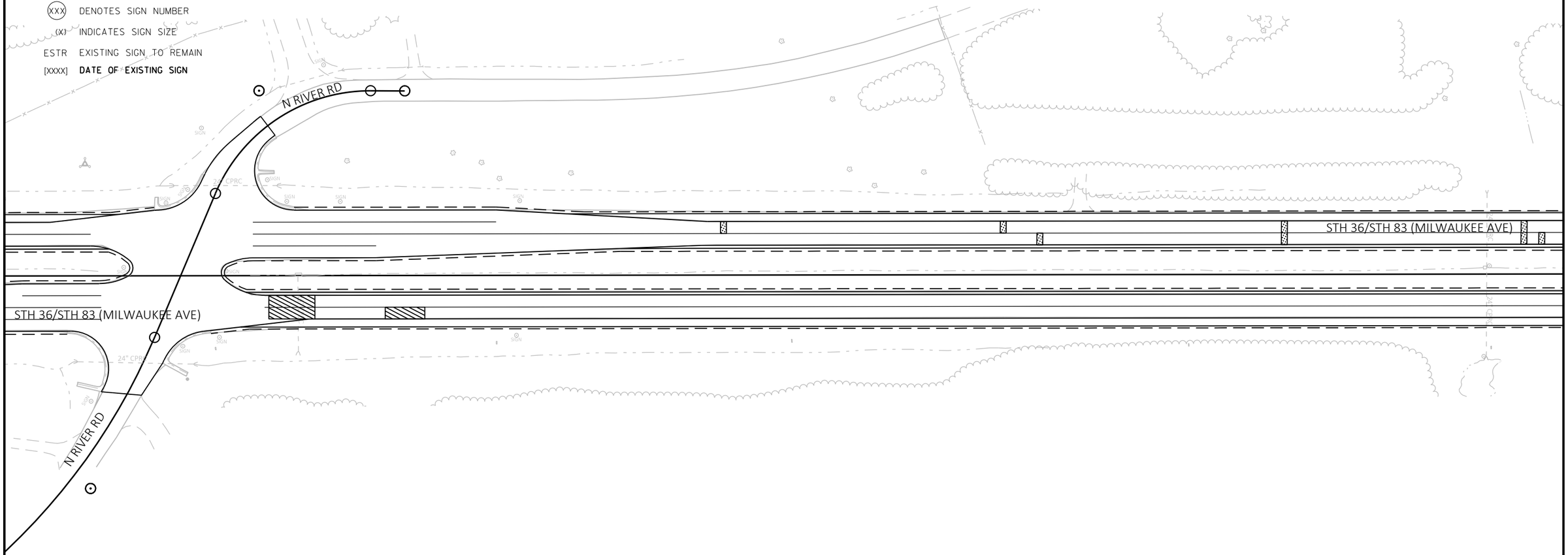
(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] DATE OF EXISTING SIGN

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



2

SHEET 28 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 140	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023228_PS

PLOT DATE : 10/28/2021 8:30 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

(XXX) DENOTES SIGN NUMBER

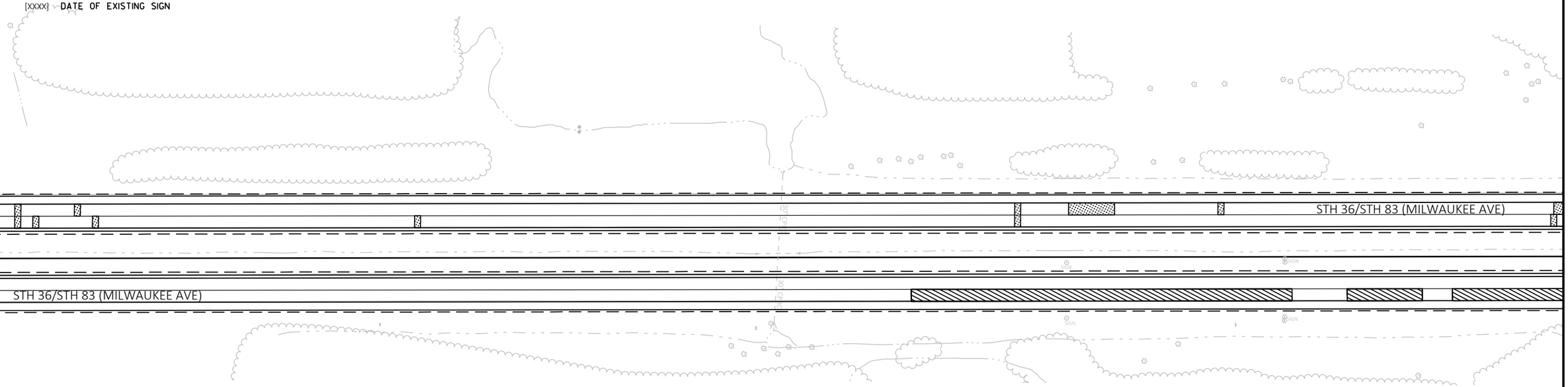
(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] DATE OF EXISTING SIGN

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



2

SHEET 29 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 141	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023229_PS

PLOT DATE : 10/28/2021 8:31 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

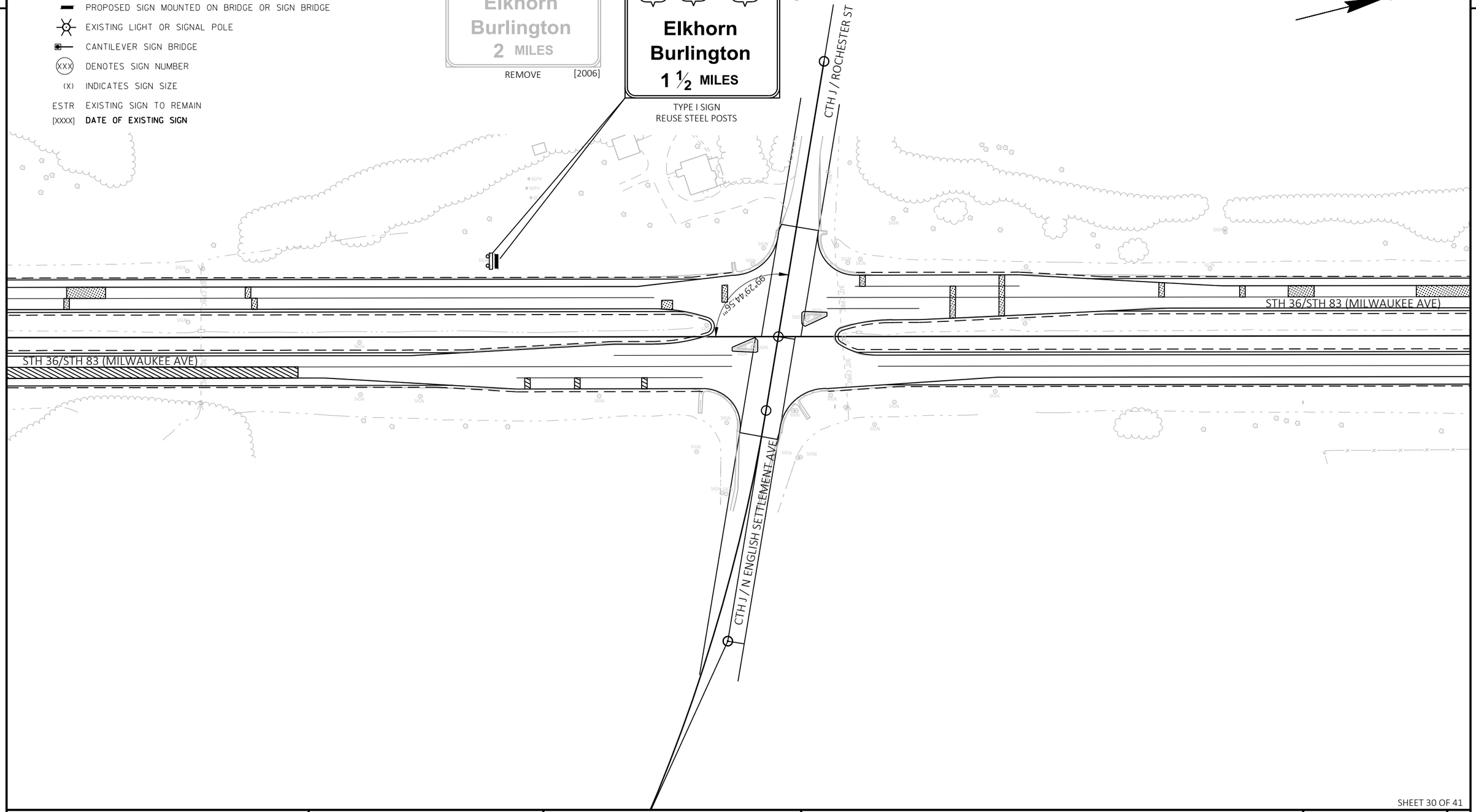


REMOVE [2006]



17

TYPE I SIGN
REUSE STEEL POSTS



2

SHEET 30 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 142	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023230_PS

PLOT DATE : 10/28/2021 8:32 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N

STH 36/STH 83 (MILWAUKEE AVE)

24' CRPC

STH 36/STH 83 (MILWAUKEE AVE)

SHEET 31 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 143	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023231_PS

PLOT DATE : 10/28/2021 8:33 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

XXX DENOTES SIGN NUMBER

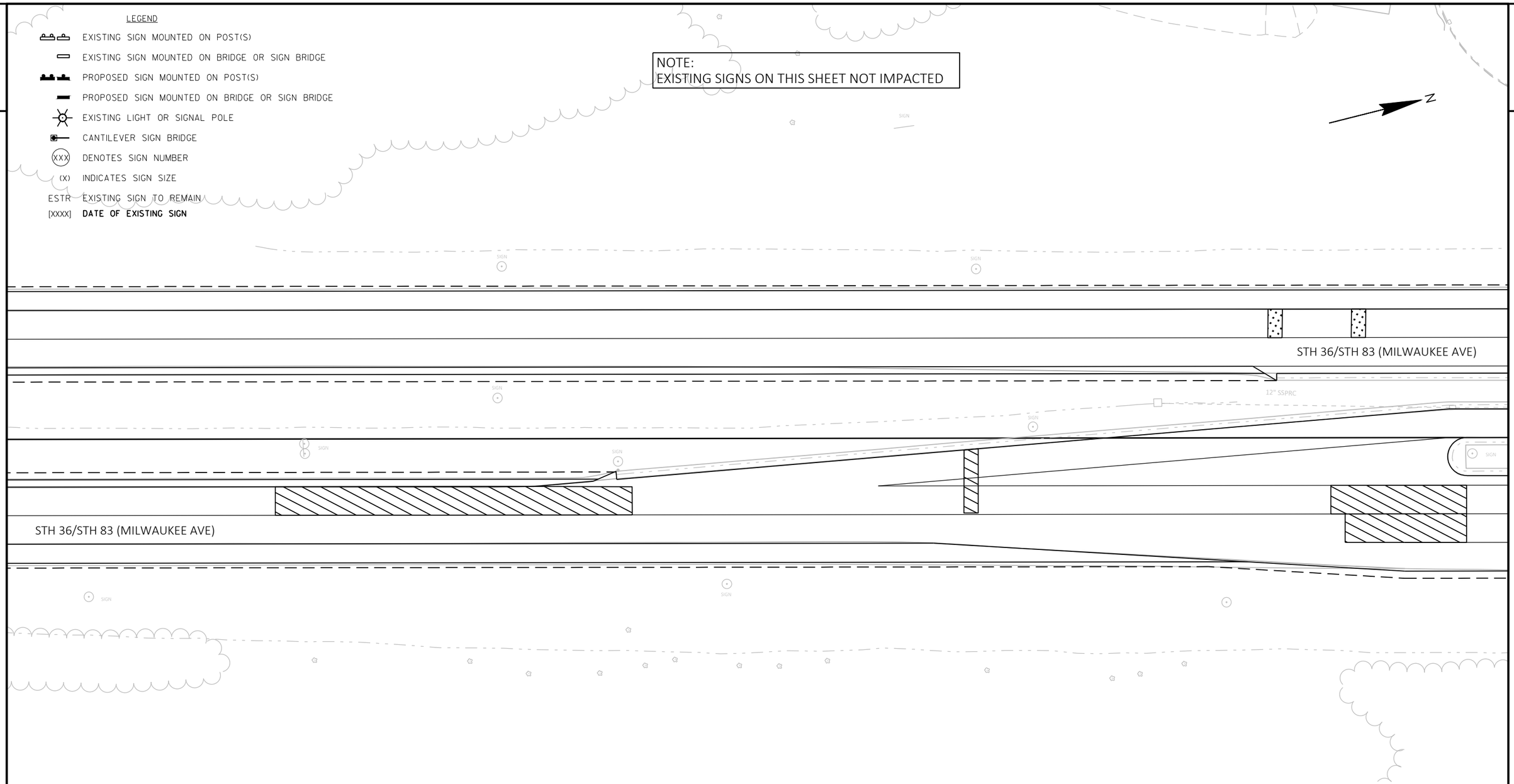
(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



2

SHEET 32 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 144	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023232_PS

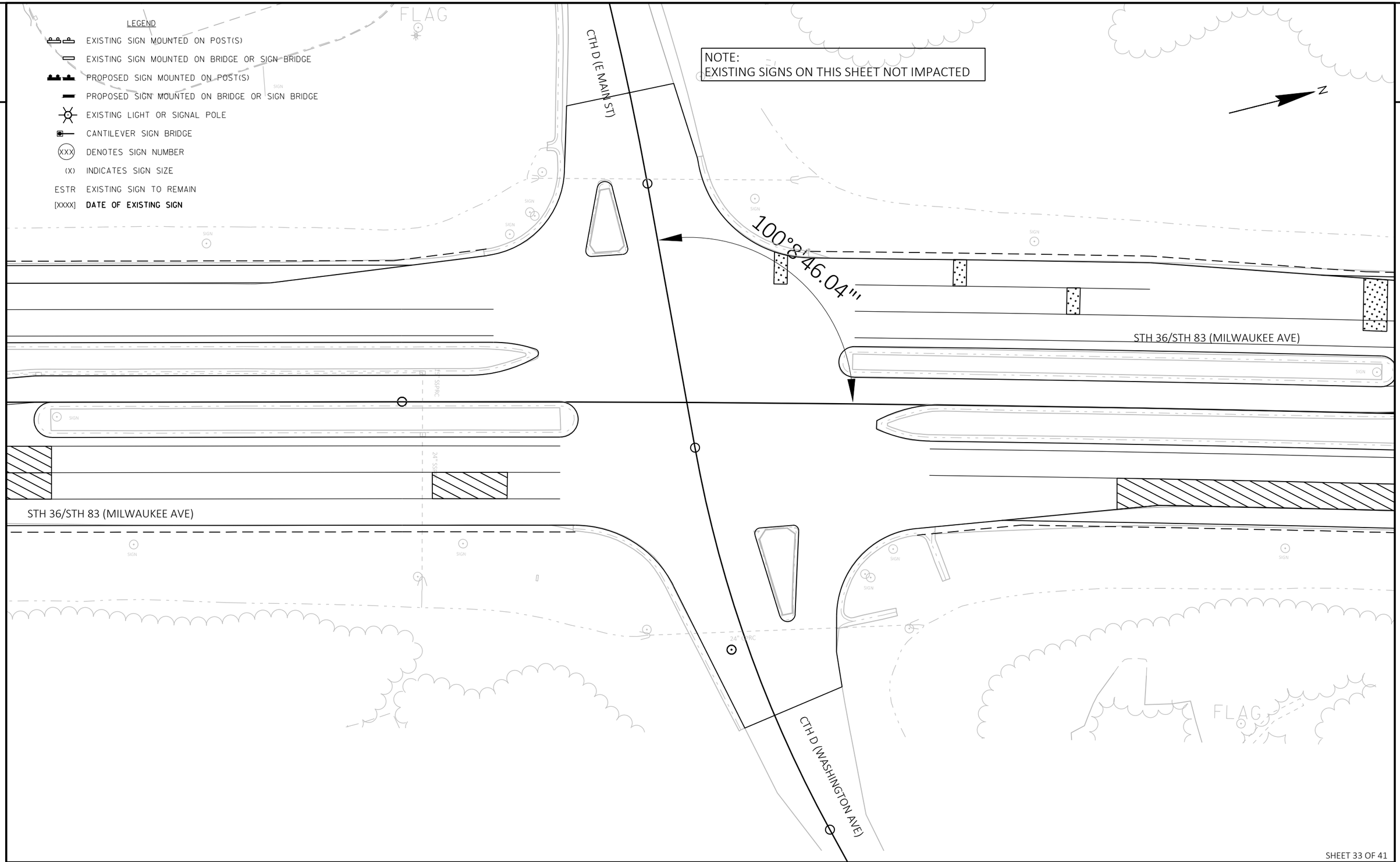
PLOT DATE : 10/28/2021 8:34 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 145 E

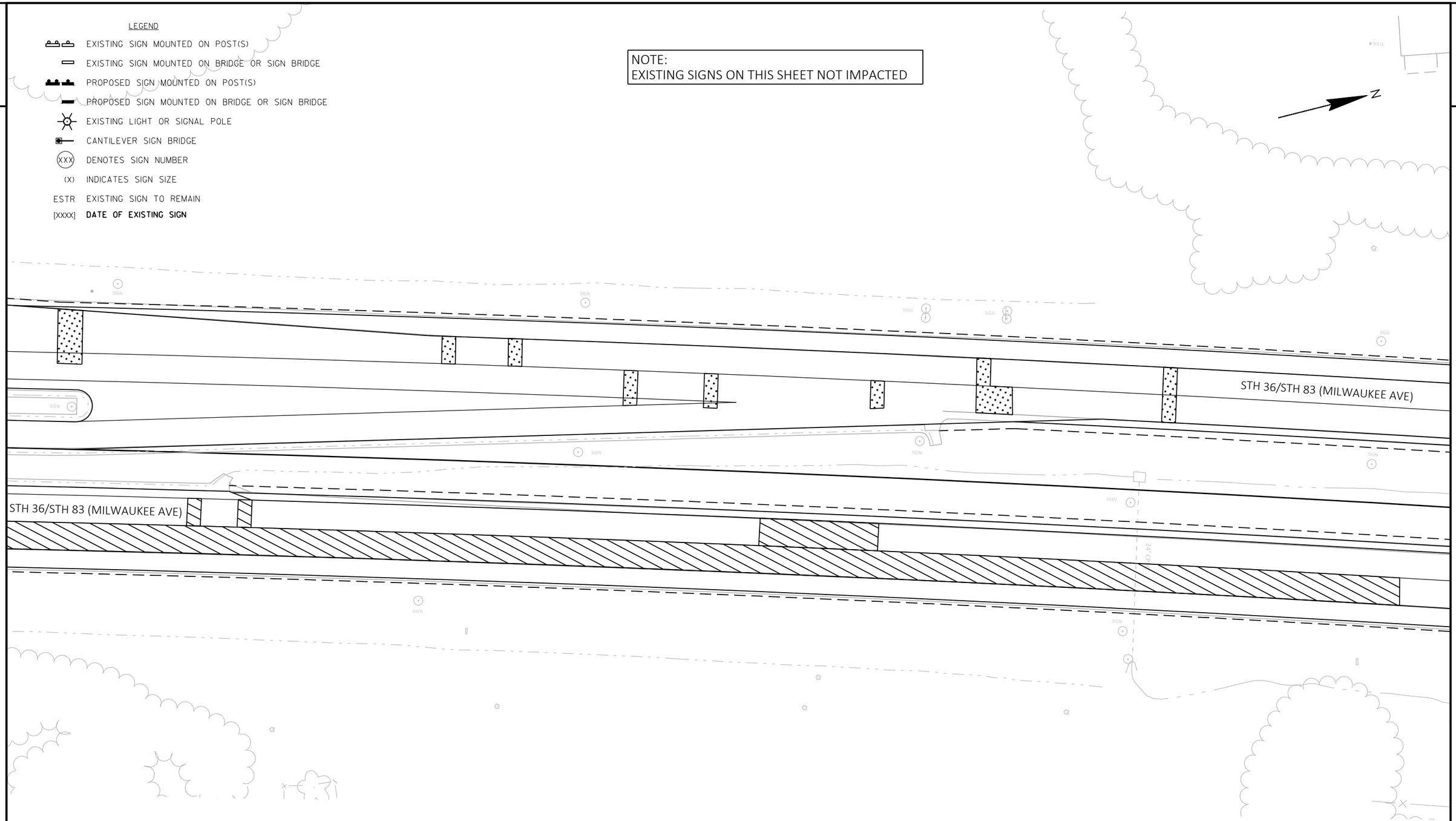
FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023233_PS
PLOT DATE : 10/28/2021 8:34 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



SHEET 34 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 146	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023234_PS

PLOT DATE : 10/28/2021 8:35 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

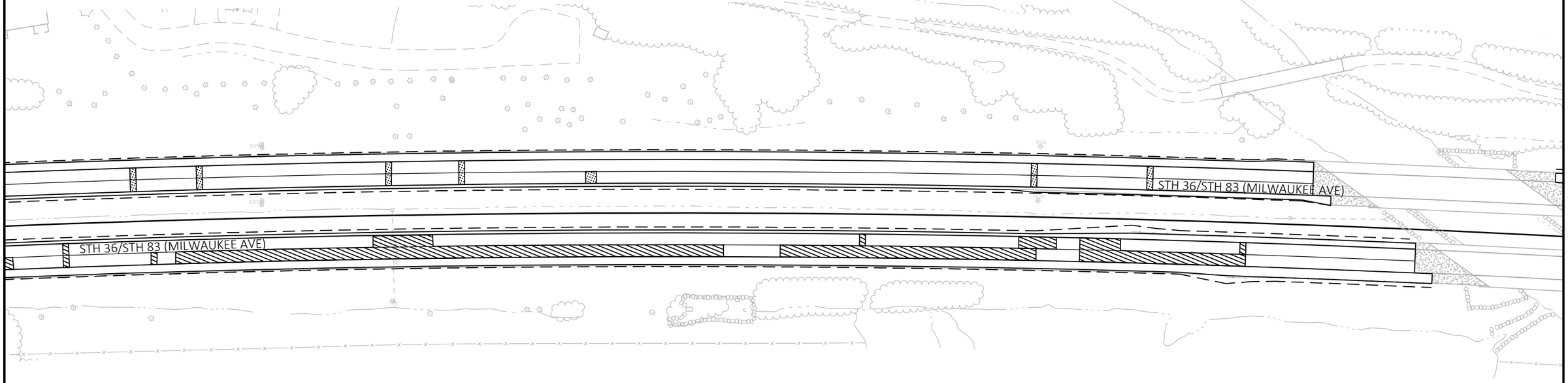
2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



2

SHEET 35 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 147	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023235_PS

PLOT DATE : 10/28/2021 8:36 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

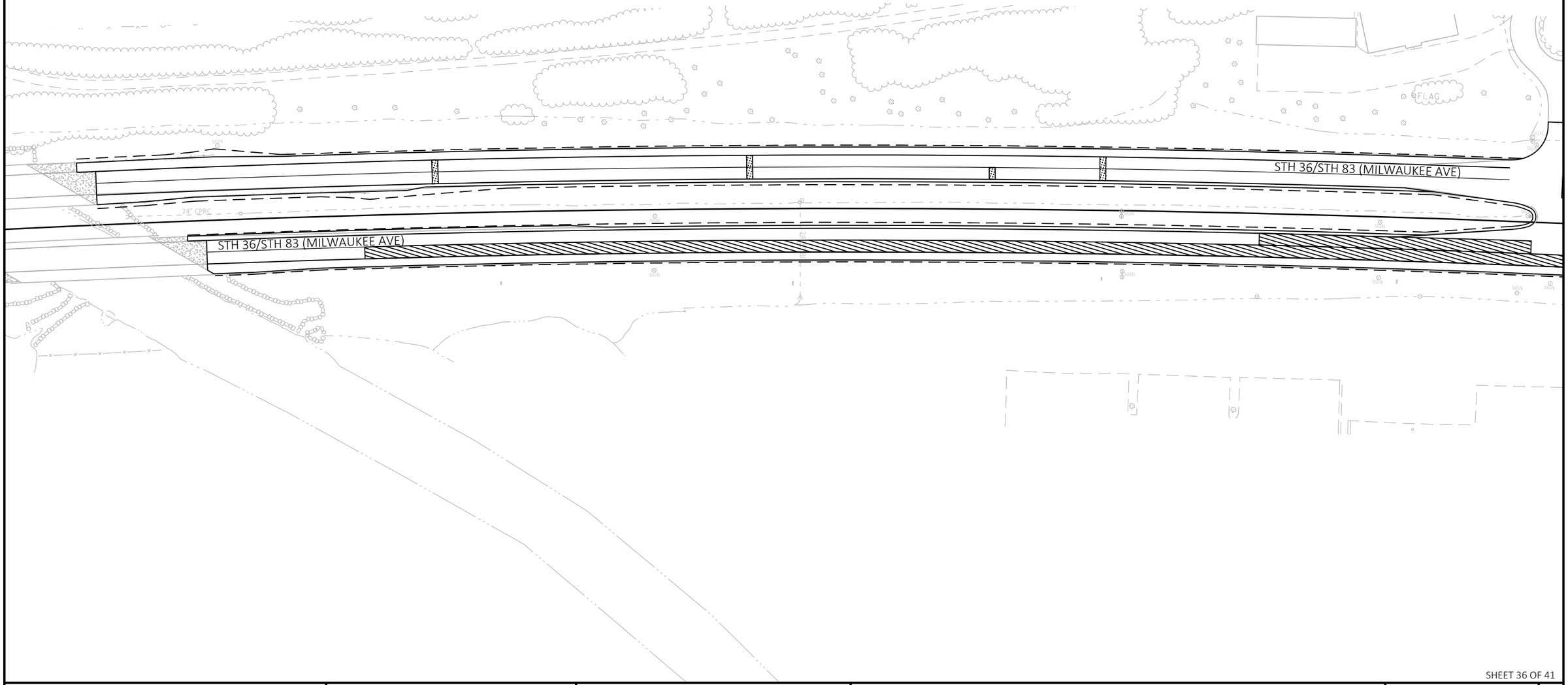
2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N



2

SHEET 36 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 148	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023236_PS

PLOT DATE : 10/28/2021 8:37 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

N

HIDDEN CIR

STH 36/STH 83 (MILWAUKEE AVE)

STH 36/STH 83 (MILWAUKEE AVE)

12" SSPRC

12" SSPRC

24" CPRC

24" CPRC

SIGN

SHEET 37 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 149	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023237_PS

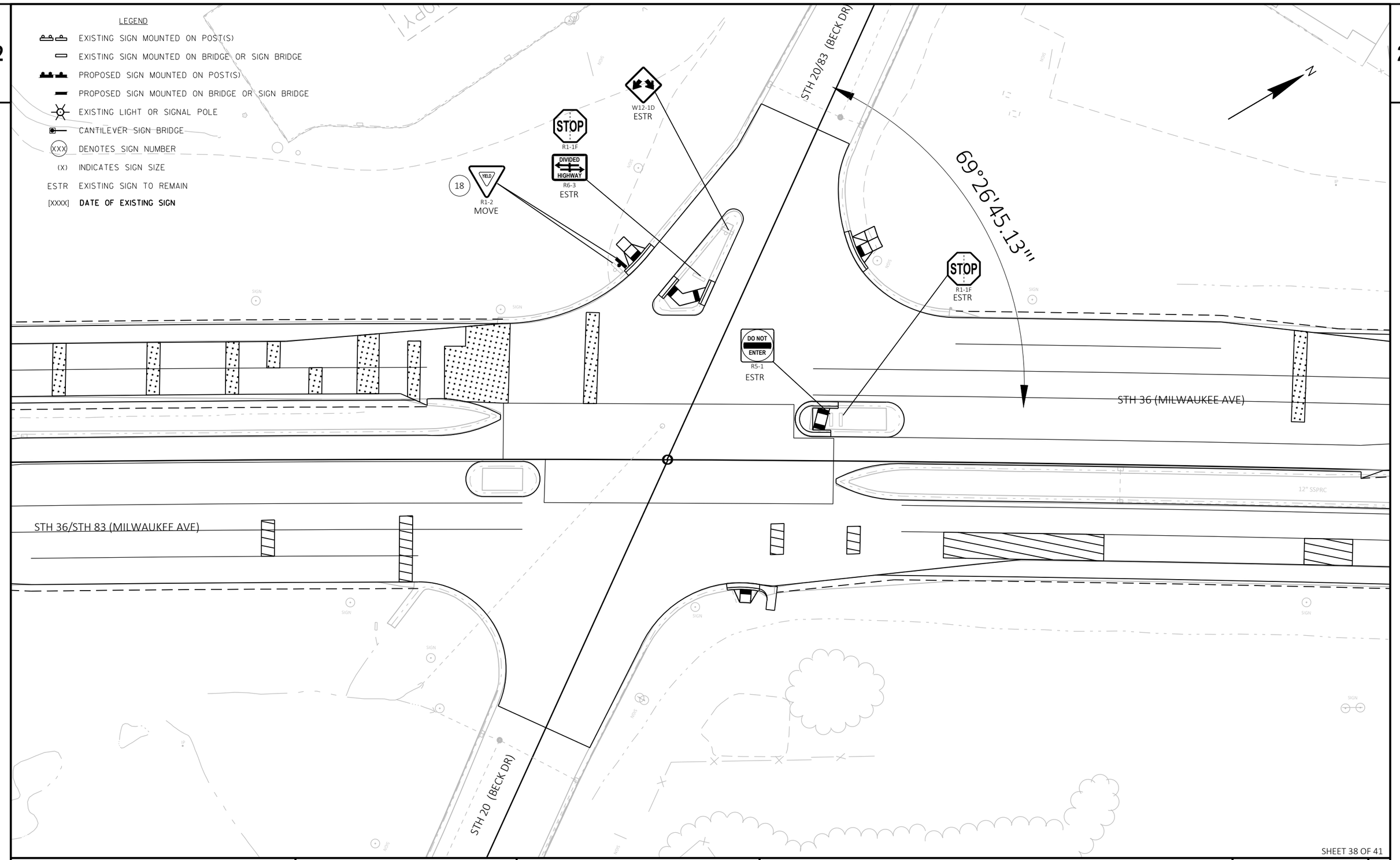
PLOT DATE : 10/28/2021 8:37 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] DATE OF EXISTING SIGN



SHEET 38 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 150	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023238_PS

PLOT DATE : 10/28/2021 8:38 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED

N

STH 36 (MILWAUKEE AVE)

STH 36 (MILWAUKEE AVE)

12" SSPRC

24" CPRC

SIGN

SHEET 39 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 151	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023239_PS

PLOT DATE : 10/28/2021 8:39 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

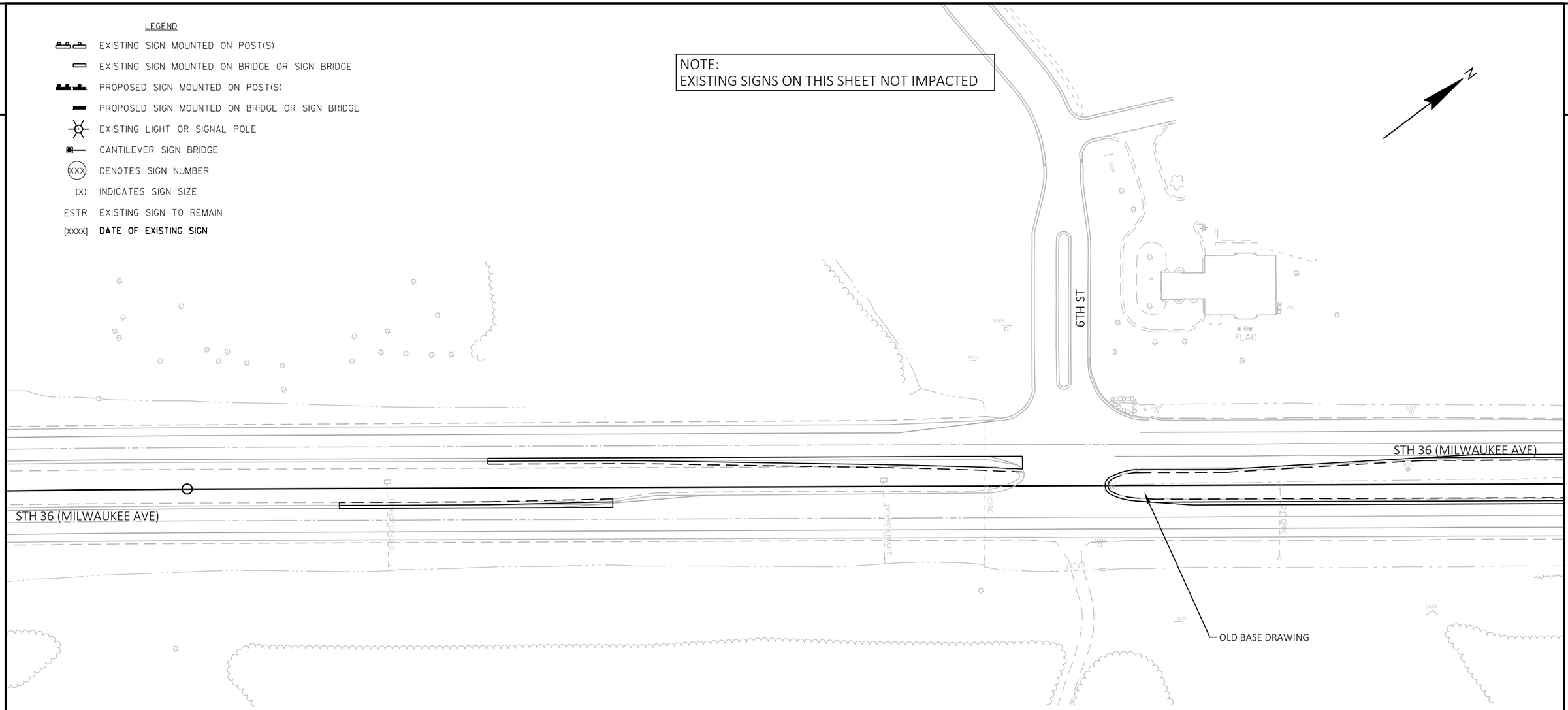
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



2

SHEET 40 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 152	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023240_PS

PLOT DATE : 10/28/2021 8:40 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

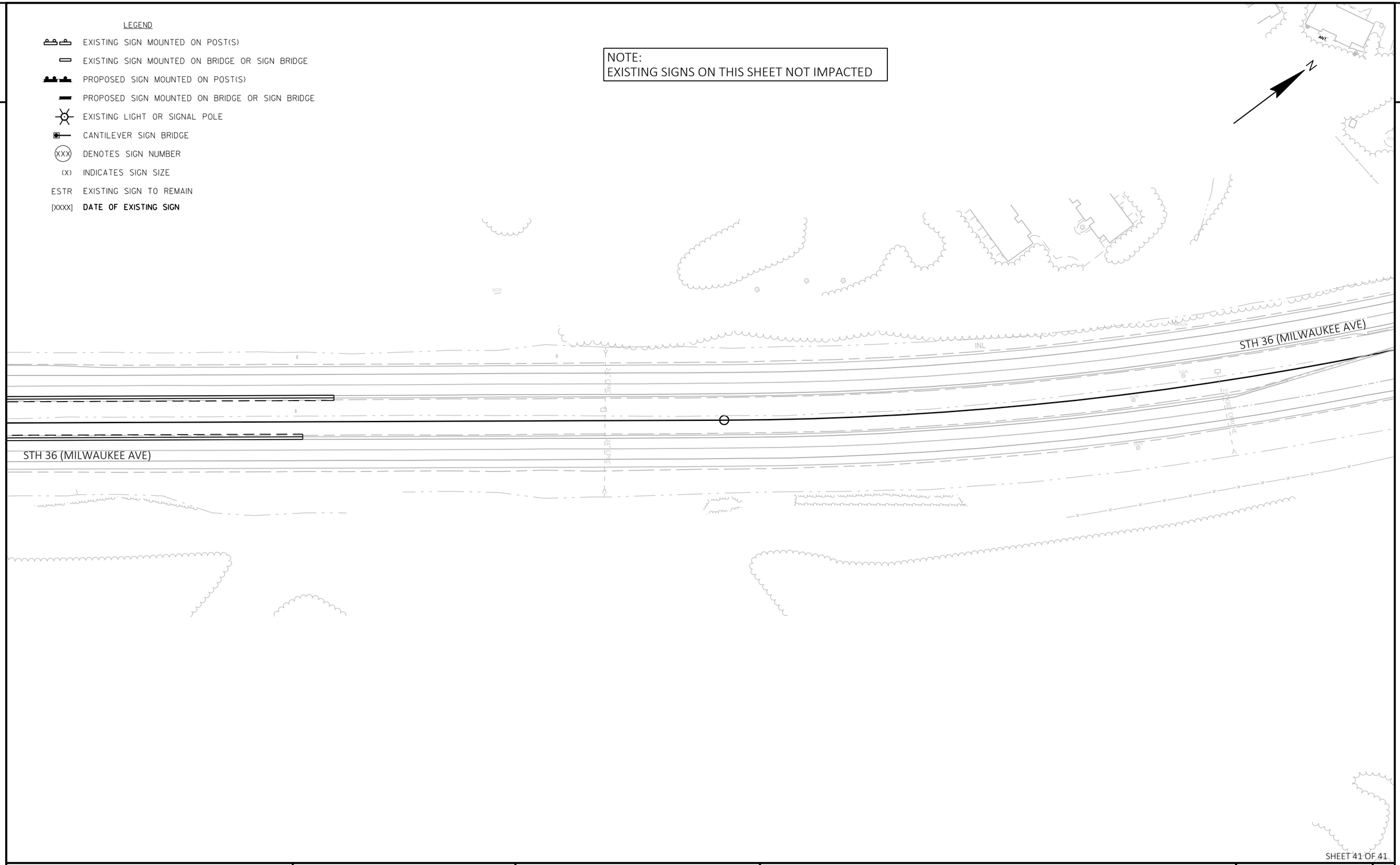
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [XXXX] **DATE OF EXISTING SIGN**

NOTE:
EXISTING SIGNS ON THIS SHEET NOT IMPACTED



2

SHEET 41 OF 41

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 153	E

FILE NAME : N:\PDS\C3D\CAD\31800006\SIGN\030226_PS_20.DWG
LAYOUT NAME - 023241_PS

PLOT DATE : 10/28/2021 8:41 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- RX / X RADAR DETECTOR

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. REMOVE LOOP DETECTOR WIRE FROM ABANDONED CONDUIT. REMOVE ABANDONED LOOP DETECTOR CONDUIT WHERE NECESSARY FOR INSTALLATION OF PROPOSED LOOP DETECTORS.
3. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.

N

S. PINE ST.

STH 11/36

STH 11/36/83

STH 83/S. PINE ST.

1124+00 1125+00 1126+00 1127+00 1128+00

353+00 354+00 352+00 351+00

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB10 SB11 SB12 SB13 SB14 SB15 SB16 SB17 SB19 SB20 SB22 250W

PB1 PB2 PB3 PB4 PB5 PB6 PB9 PB10 PB11 PB12 PB13 PB15 PB16 PB17 PB18 PB19 PB20 PB22 PB23 PB24 PB25

ABANDON

- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- Y YIELD SIGN

NOTE: ALL LENSES ARE 12-INCH

TRAFFIC CONTROL SIGNAL
STH 11/36/83 & STH 83/PINE ST
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO. S51-0993

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PAGE 1 OF 3

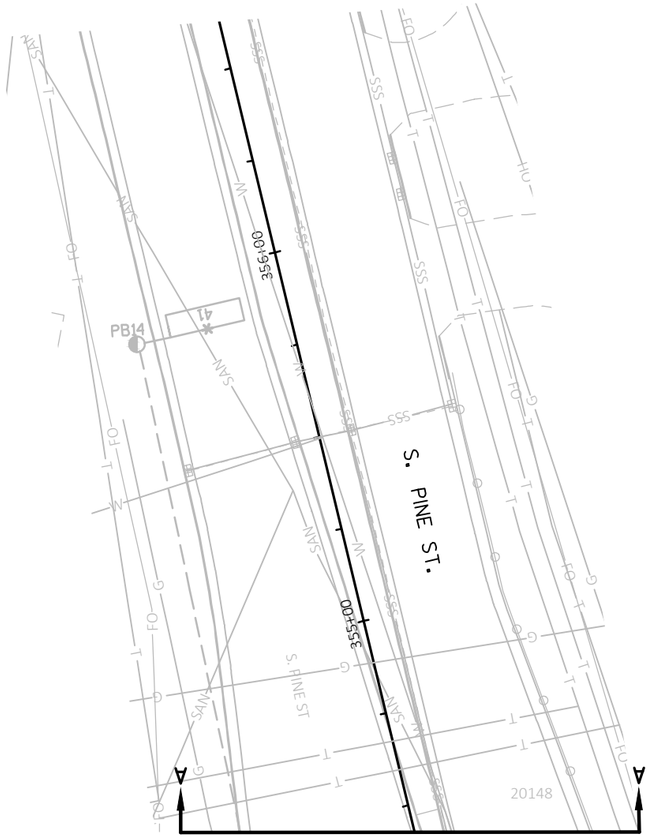
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 154	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024001-SR_S51-0993.DWG
LAYOUT NAME - 01

PLOT DATE : 1/26/2022 8:45 AM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



NOTE: NO WORK IS PROPOSED ON THIS SHEET.

TRAFFIC CONTROL SIGNAL
STH 11/36/83 & STH 83/PINE ST
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO. S51-0993

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

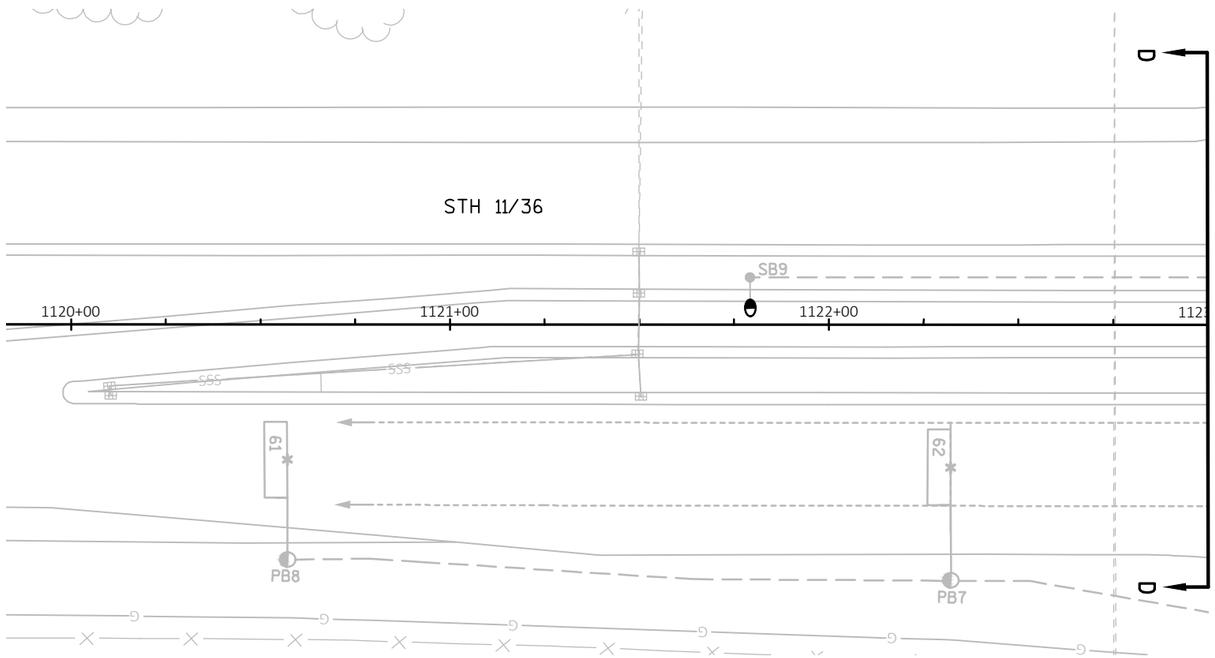
PAGE 2 OF 3

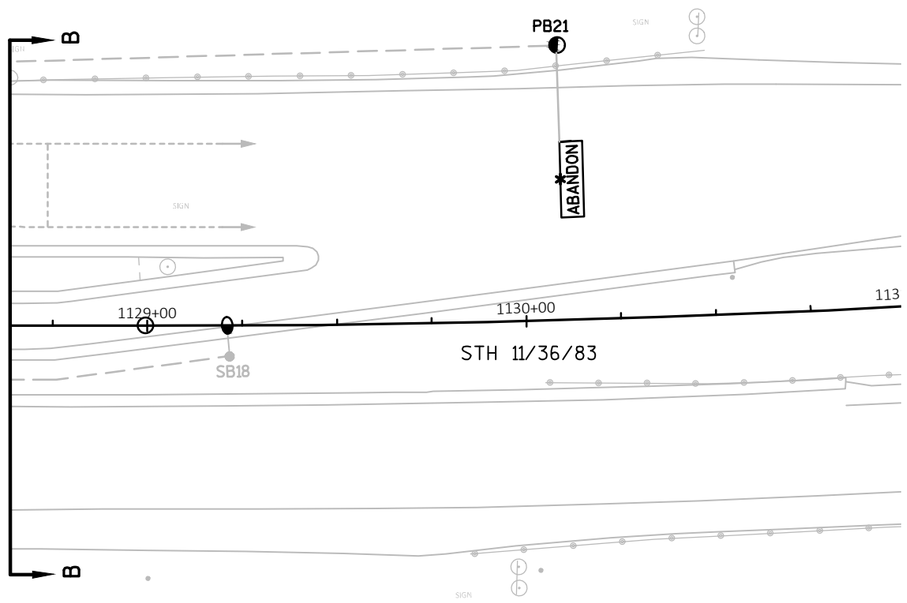
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 155	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024001-SR_S51-0993.DWG
LAYOUT NAME - 02

PLOT DATE : 1/26/2022 8:46 AM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

2





TRAFFIC CONTROL SIGNAL
STH 11/36/83 & STH 83/PINE ST
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO. S51-0993

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PAGE 3 OF 3

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 156	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024001-SR_S51-0993.DWG
LAYOUT NAME - 03

PLOT DATE : 1/26/2022 8:47 AM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

2

LEGEND

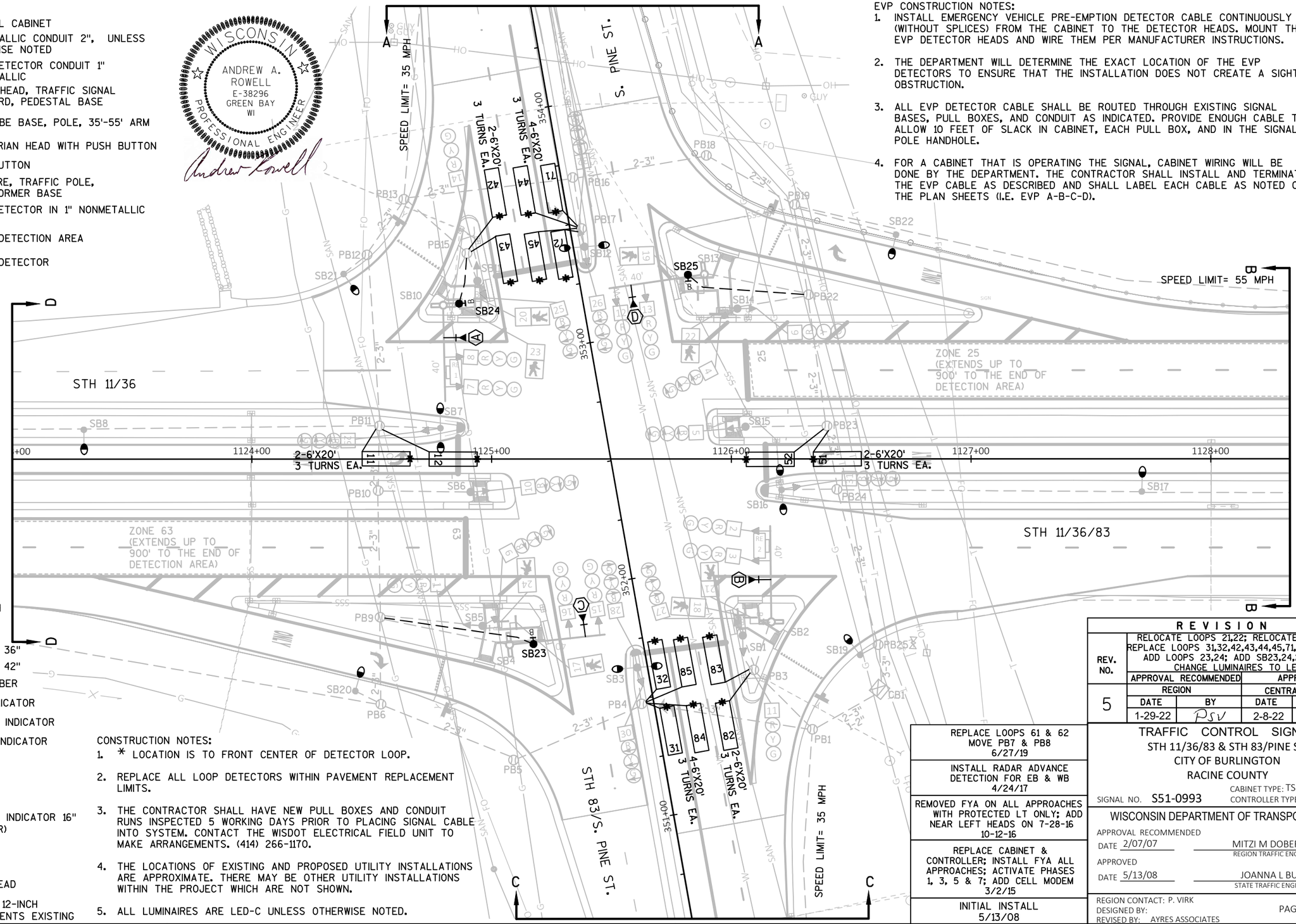
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- RX / X RADAR DETECTOR

MONOTUBE STRUCTURE NUMBERS
SB4 = S-51-1105
SB10 = S-51-1106
SB13 = S-51-1107
SB2 = S-51-1108

WISCONSIN
ANDREW A. ROWELL
E-38296
GREEN BAY
WI
PROFESSIONAL ENGINEER

EVP CONSTRUCTION NOTES:
1. INSTALL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN CABINET, EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

N



- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- 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
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- Y YIELD SIGN
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:
1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. REPLACE ALL LOOP DETECTORS WITHIN PAVEMENT REPLACEMENT LIMITS.
3. THE CONTRACTOR SHALL HAVE NEW PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
4. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.

REPLACE LOOPS 61 & 62 MOVE PB7 & PB8 6/27/19

INSTALL RADAR ADVANCE DETECTION FOR EB & WB 4/24/17

REMOVED FYA ON ALL APPROACHES WITH PROTECTED LT ONLY; ADD NEAR LEFT HEADS ON 7-28-16 10-12-16

REPLACE CABINET & CONTROLLER; INSTALL FYA ALL APPROACHES; ACTIVATE PHASES 1, 3, 5 & 7; ADD CELL MODEM 3/2/15

INITIAL INSTALL 5/13/08

REVISION				
REV. NO.	RELOCATE LOOPS 21,22; RELOCATE PB20,PB21; REPLACE LOOPS 31,32,42,43,44,45,71,72,82,83,84,85 ADD LOOPS 23,24; ADD SB23,24,25; ADD EVP; CHANGE LUMINAIRES TO LED C			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
5	1-29-22	RSV	2-8-22	JBJ

JB 2-8-22

TRAFFIC CONTROL SIGNAL
STH 11/36/83 & STH 83/PINE ST
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO. S51-0993
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

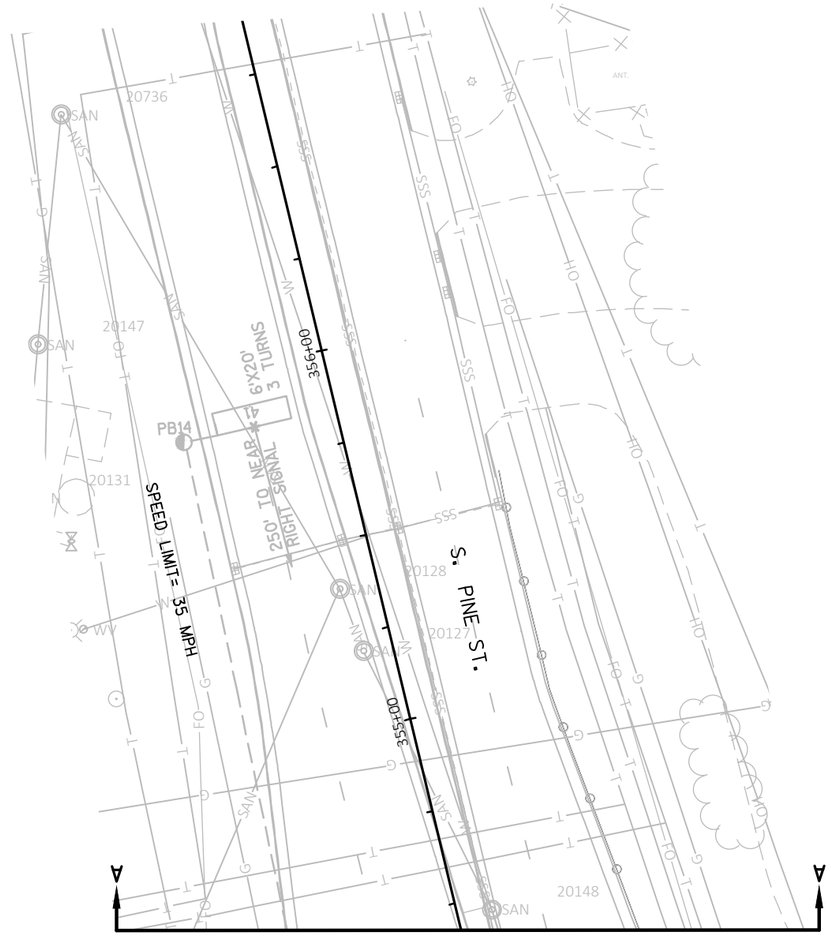
APPROVAL RECOMMENDED
DATE 2/07/07 — MITZI M DOBERSEK, REGION TRAFFIC ENGINEER

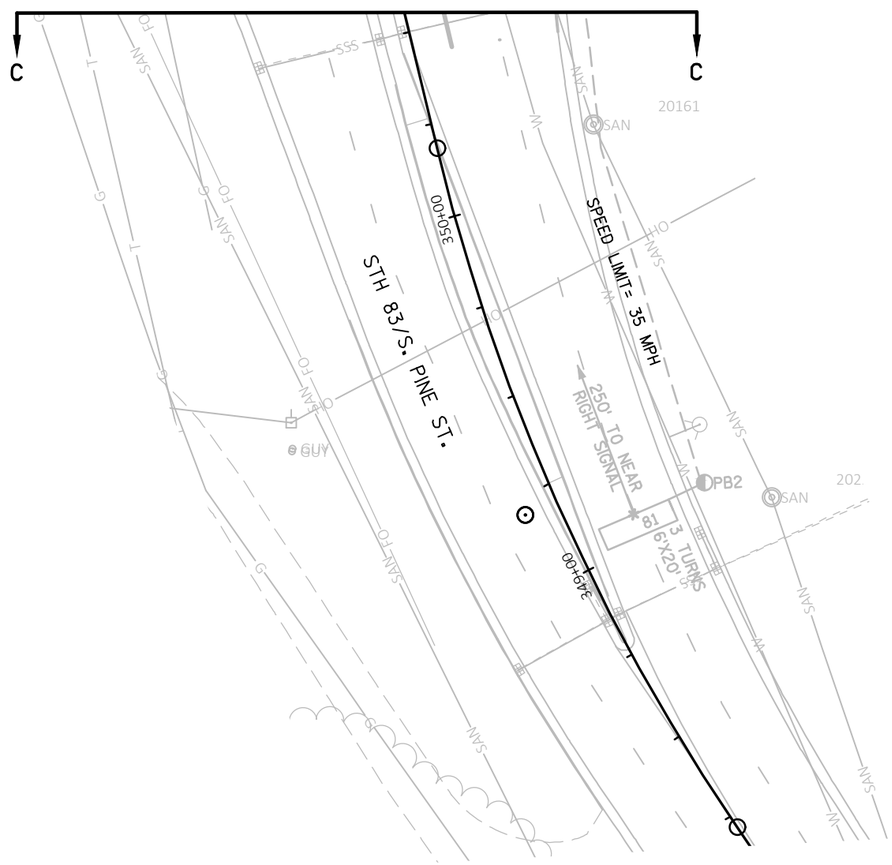
APPROVED
DATE 5/13/08 — JOANNA L BUSH, STATE TRAFFIC ENGINEER

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 157 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024201-SP_S51-0993.DWG
LAYOUT NAME - 01
PLOT DATE : 1/28/2022 8:39 AM
PLOT BY : ROWELL, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT





N

NOTE: NO WORK IS PROPOSED ON THIS SHEET.

TRAFFIC CONTROL SIGNAL
STH 11/36/83 & STH 83/PINE ST
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO. S51-0993

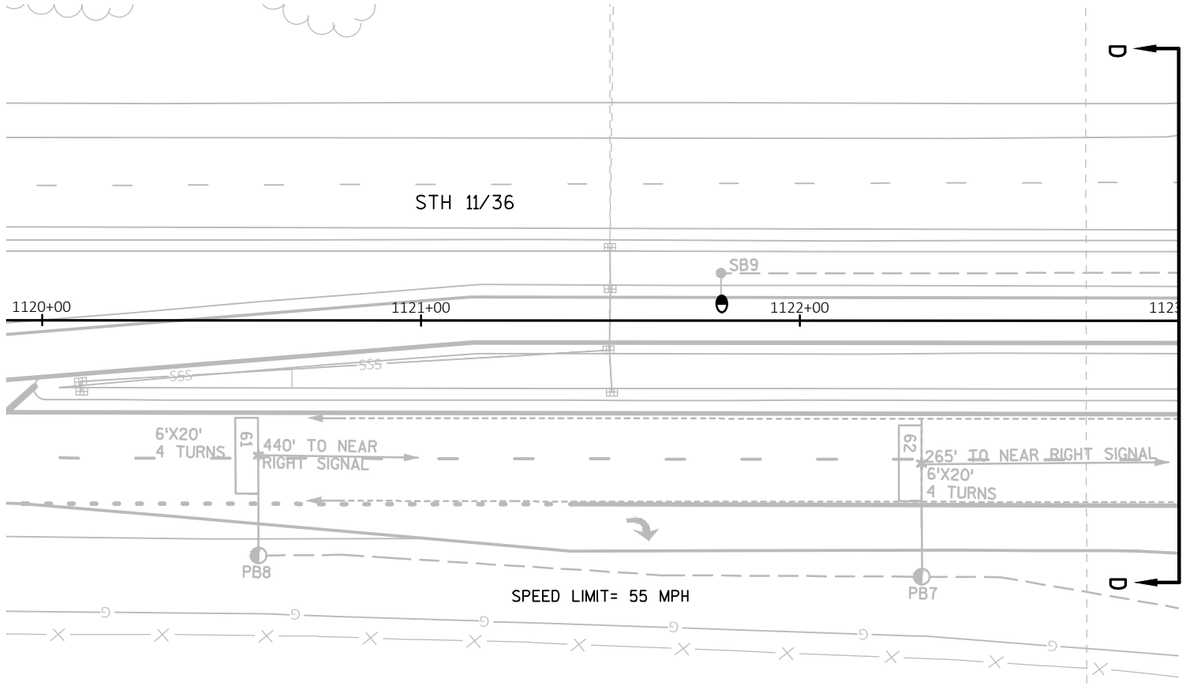
REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

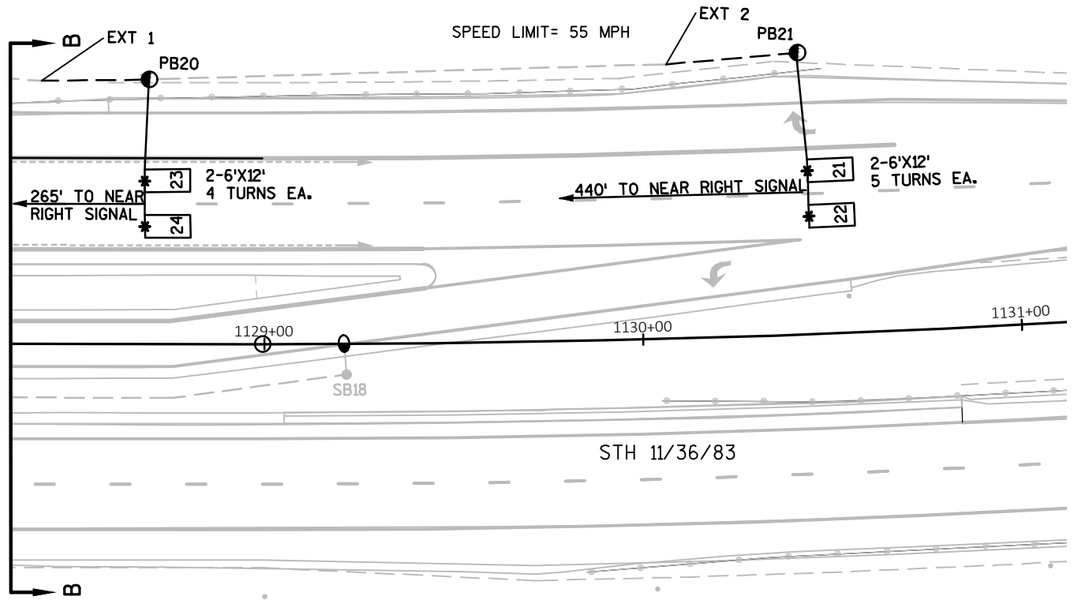
PAGE 2 OF 4

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 158	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024201-SP_S51-0993.DWG
LAYOUT NAME - 02
PLOT DATE : 1/26/2022 2:53 PM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

2





TRAFFIC CONTROL SIGNAL
STH 11/36/83 & STH 83/PINE ST
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO. S51-0993

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

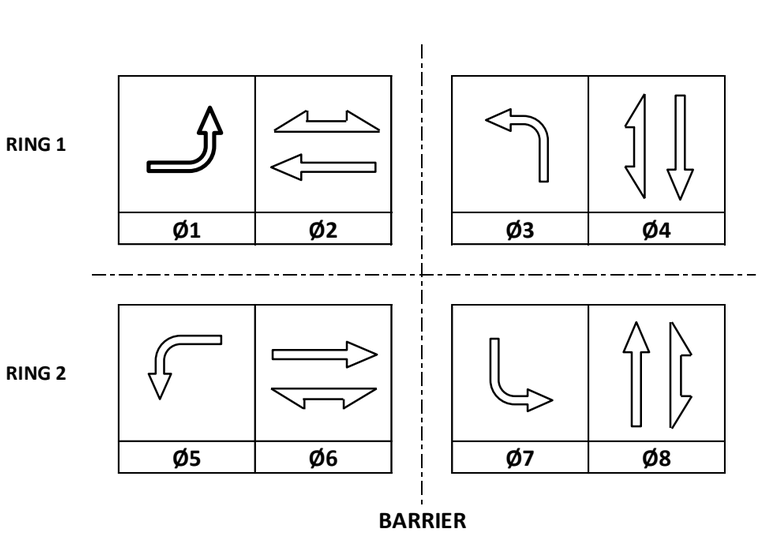
PAGE 3 OF 4

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 159	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024201-SP_S51-0993.DWG
LAYOUT NAME - 03

PLOT DATE : 1/26/2022 2:54 PM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1	4,5,29	R ←
Ø2	6,7,8	R
Ø3	25,26,30	R ←
Ø4	14,15,16	R
Ø5	9,10,31	R ←
Ø6	1,2,3	R
Ø7	27,28,32	R ←
Ø8	11,12,13	R
Ø2P	19,20	
Ø4P	23,24	
Ø6P	17,18	
Ø8P	21,22	
OLE		
OLF		
OLG		
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21			33	35	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	21	11	41	31	45	43	62	45	82	72	23	84			25	63	PLAN LOOP DETECTOR*(S)
CALLED PHASE	2	1	4	3	4	4	6	4	8	7	2	8			2	6	CALLED PHASE
CALL OPTION	X	X		X	X	X	X	X	X	X	X	X			X	X	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X					EXTENTION OPTION
EXTEND TIME			X												X	X	EXTEND TIME
USE ADDED INITIAL	X						X				X						USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22					DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	22	12	42	32	51	44	71	51	83	81	24	85					PLAN LOOP DETECTOR*(S)
CALLED PHASE	2	1	4	3	5	4	7	5	8	8	2	8					CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X	X		X	X					CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X					EXTENTION OPTION
EXTEND TIME										X							EXTEND TIME
USE ADDED INITIAL	X										X						USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

STH 11/36/83 & STH 83/PINE ST
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO: S51-0993 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 02/2022 PAGE NO. 4 OF 4

2

PROJECT ID:	3180-00-76
INTERSECTION:	STH 11/36/83 & STH 83/Pine ST

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB23	7	BUTTON										WHT/BLK	
SB24	7	BUTTON										WHT/BLK	
SB25	7	BUTTON										WHT/BLK	

Equipment grounding conductor 10 AWG Green XLP	
From	TO
SB5	SB23
SB11	SB24
SB14	SB25

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB9	SB23
PB15	SB24
PB22	SB25

EVP CABLE	
From	To
CB1	SB10 (HEAD A)
CB1	SB2 (HEAD B)
CB1	SB4 (HEAD C)
CB1	SB13 (HEAD D)

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*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.
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

STH 11/36/83 & STH 83/PINE ST
CITY OF BURLINGTON
RACINE COUNTY

PAGE 1 OF 1

2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- RX X RADAR DETECTOR
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- Y YIELD SIGN
- S STOP SIGN

NOTE: ALL LENSES ARE 12-INCH

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. REMOVE LOOP DETECTOR WIRE FROM ABANDONED CONDUIT. REMOVE ABANDONED LOOP DETECTOR CONDUIT WHERE NECESSARY FOR INSTALLATION OF PROPOSED LOOP DETECTORS.
3. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.

N

DURAND AVE

STH 36/83

STH 11/36/83

STH 11

126+00 127+00 128+00 129+00 130+00 131+00

1278+00 1279+00 1280+00

ABANDON

SB1 SB2 SB3 SB4 SB5 SB6 SB8 SB11 SB12 SB13 SB14 SB15 SB16 SB17 SB18 SB19 SB22

PB1 PB2 PB5 PB6 PB7 PB8 PB9 PB11 PB12 PB13 PB14 PB17 PB18 PB19 PB20 PB21 PB22 PB23 PB25 PB26 PB27

CB1

250W

2-3"

35' 25' 45 63 85

R/W

TRAFFIC CONTROL SIGNAL
STH 11/DURAND AVE & STH 36/83
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO. S51-0992

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PAGE 1 OF 3

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 162 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024002-SR_S51-0992.DWG
LAYOUT NAME - 01

PLOT DATE : 1/26/2022 8:49 AM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



TRAFFIC CONTROL SIGNAL
STH 11/DURAND AVE & STH 36/83
CITY OF BURLINGTON
RACINE COUNTY

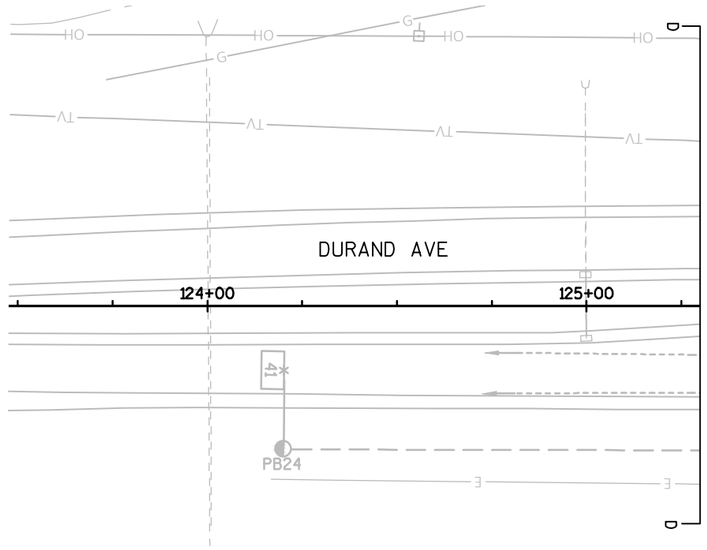
SIGNAL NO. S51-0992

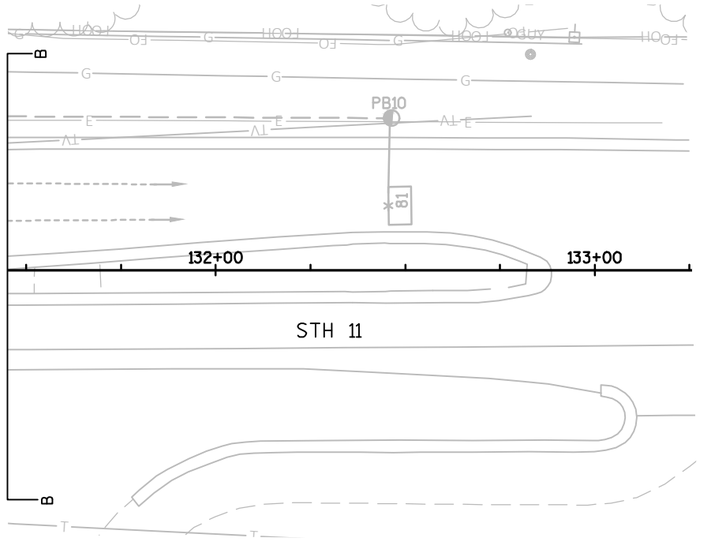
REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 163	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024002-SR_S51-0992.DWG
LAYOUT NAME - 02
PLOT DATE : 1/26/2022 8:50 AM
PLOT BY : ROWELL, ANDREW
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2







NOTE: NO WORK IS PROPOSED ON THIS SHEET.

TRAFFIC CONTROL SIGNAL
STH 11/DURAND AVE & STH 36/83
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO. S51-0992

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PAGE 3 OF 3

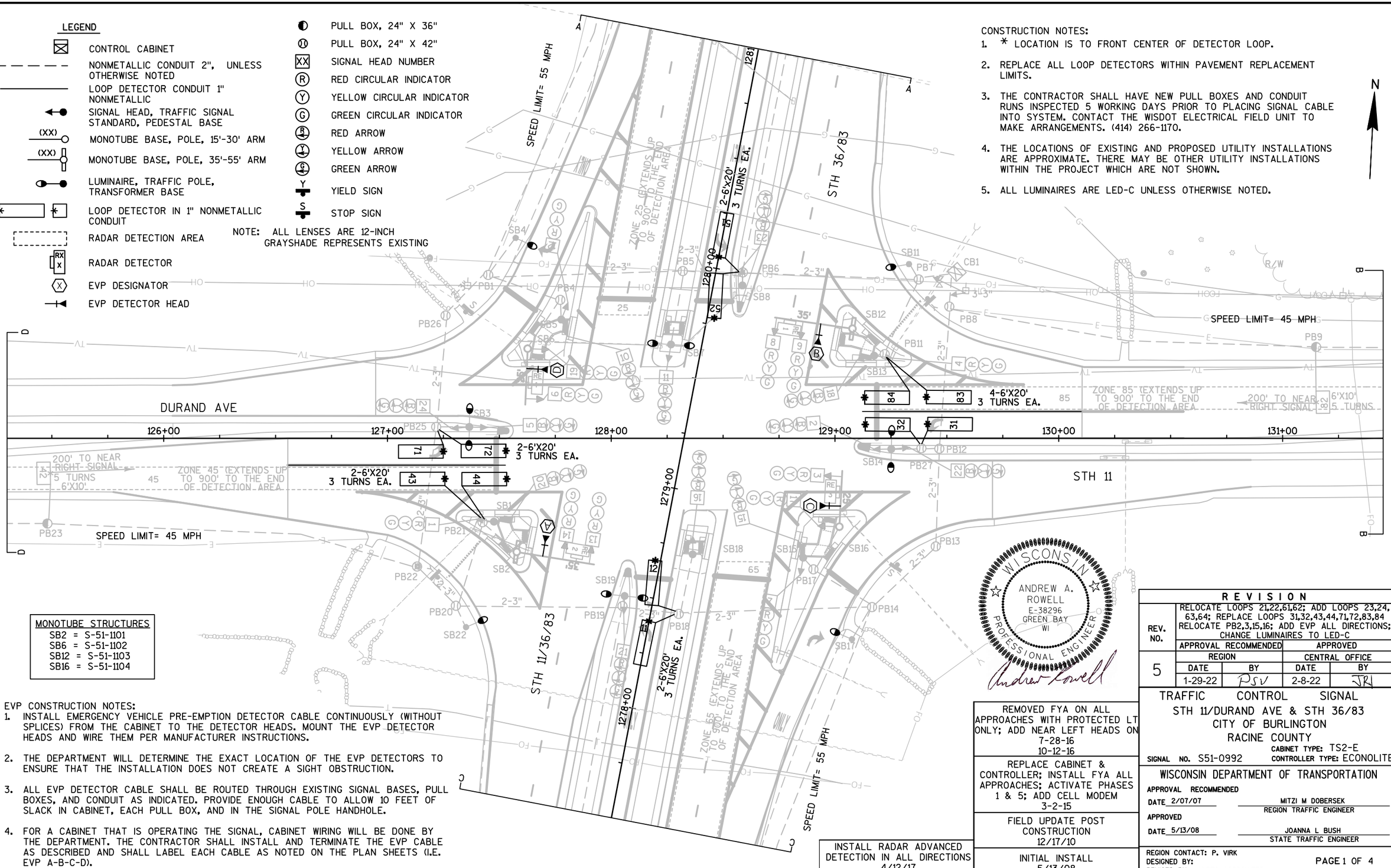
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 164	E

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- RADAR DETECTOR
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- YIELD SIGN
- STOP SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:
1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. REPLACE ALL LOOP DETECTORS WITHIN PAVEMENT REPLACEMENT LIMITS.
3. THE CONTRACTOR SHALL HAVE NEW PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
4. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.



MONOTUBE STRUCTURES
SB2 = S-51-1101
SB6 = S-51-1102
SB12 = S-51-1103
SB16 = S-51-1104

EVP CONSTRUCTION NOTES:
1. INSTALL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN CABINET, EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

INSTALL RADAR ADVANCED DETECTION IN ALL DIRECTIONS
4/12/17

REMOVED FYA ON ALL APPROACHES WITH PROTECTED LT ONLY; ADD NEAR LEFT HEADS ON
7-28-16
10-12-16

REPLACE CABINET & CONTROLLER; INSTALL FYA ALL APPROACHES; ACTIVATE PHASES 1 & 5; ADD CELL MODEM
3-2-15

FIELD UPDATE POST CONSTRUCTION
12/17/10

INITIAL INSTALL
5/13/08

WISCONSIN
ANDREW A. ROWELL
E-38296
GREEN BAY
WI
PROFESSIONAL ENGINEER

REVISION				
REV. NO.	RELOCATE LOOPS 21,22,61,62; ADD LOOPS 23,24, 63,64; REPLACE LOOPS 31,32,43,44,71,72,83,84 RELOCATE PB2,3,15,16; ADD EVP ALL DIRECTIONS; CHANGE LUMINAIRES TO LED-C			
	APPROVAL RECOMMENDED		APPROVED	
5	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
	1-29-22	PSV	2-8-22	JR

JB
2-8-22

TRAFFIC CONTROL SIGNAL
STH 11/DURAND AVE & STH 36/83
CITY OF BURLINGTON
RACINE COUNTY
SIGNAL NO. S51-0992
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

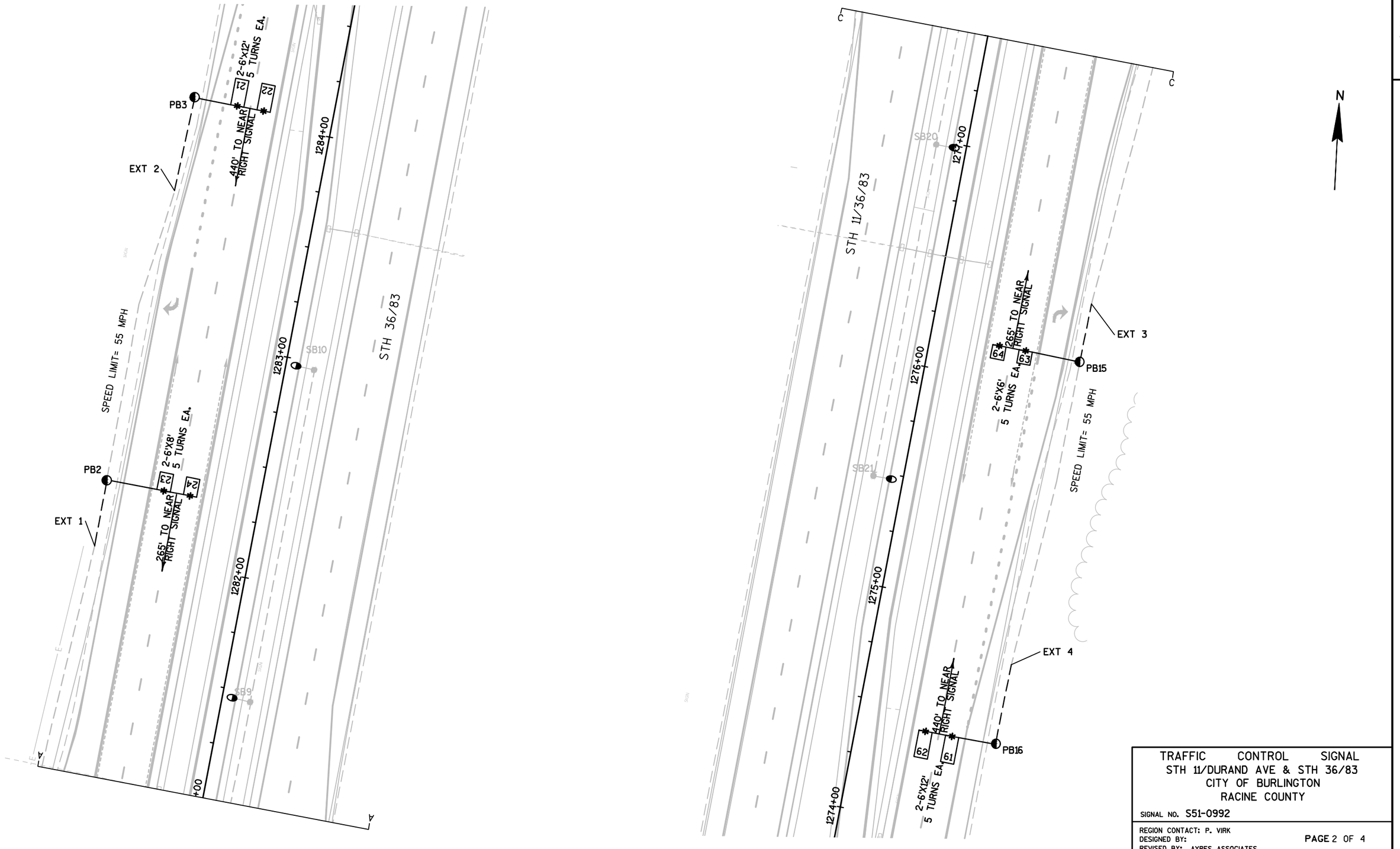
WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED
DATE 2/07/07 — MITZI M DOBERSEK, REGION TRAFFIC ENGINEER
APPROVED
DATE 5/13/08 — JOANNA L BUSH, STATE TRAFFIC ENGINEER

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES
PAGE 1 OF 4

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 165 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024202-SP_S51-0992.DWG
LAYOUT NAME - 01
PLOT DATE : 1/28/2022 8:43 AM
PLOT BY : ROWELL, ANDREW
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL SIGNAL
STH 11/DURAND AVE & STH 36/83
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO. S51-0992

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PAGE 2 OF 4

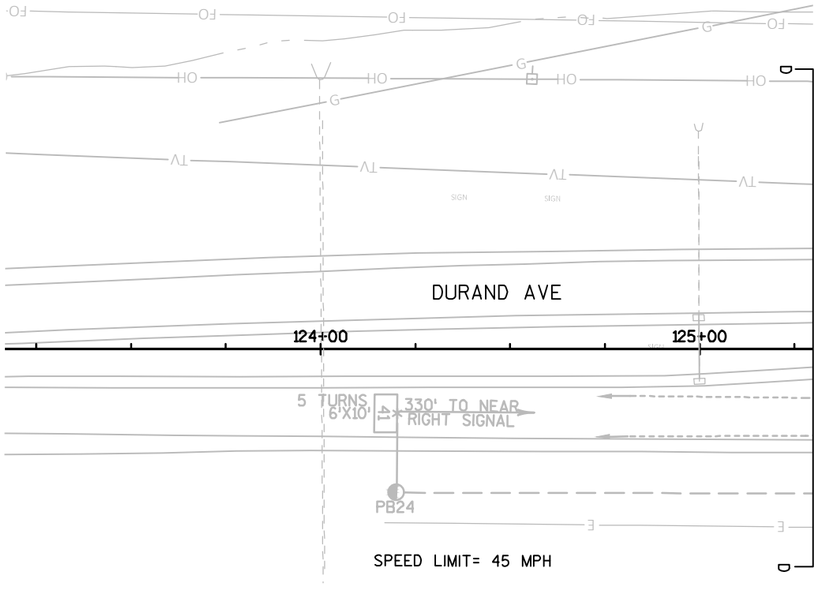
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 166 E

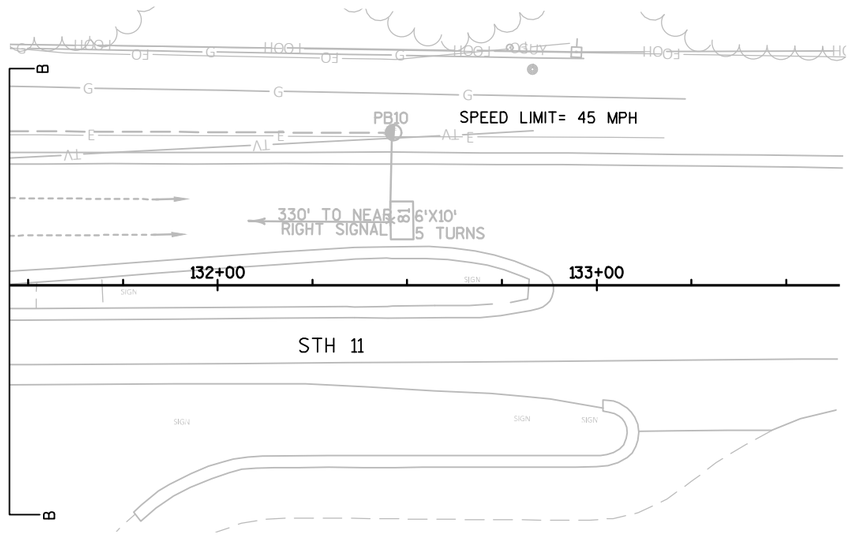
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024202-SP_S51-0992.DWG
LAYOUT NAME - 02

PLOT DATE : 1/26/2022 2:57 PM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

2

N





NOTE: NO WORK IS PROPOSED ON THIS SHEET.

TRAFFIC CONTROL SIGNAL
STH 11/DURAND AVE & STH 36/83
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO. S51-0992

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

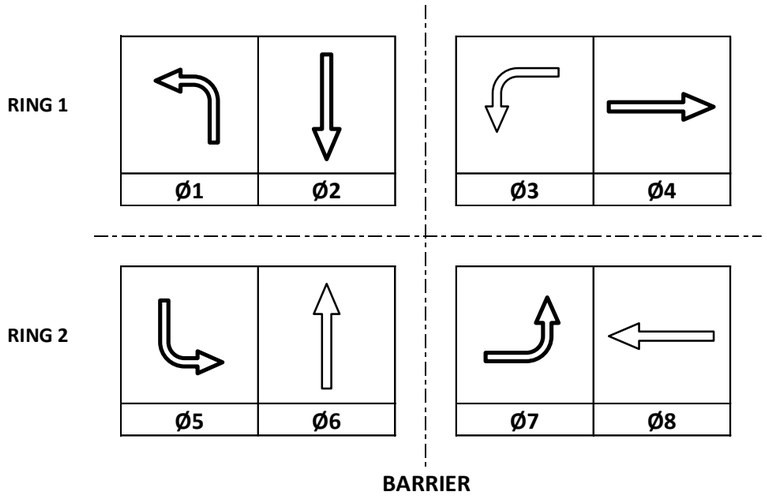
PAGE 3 OF 4

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 167	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024202-SP_S51-0992.DWG
LAYOUT NAME - 03

PLOT DATE : 1/26/2022 2:58 PM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1	10,11,21	R ←
Ø2	12,13,14	R
Ø3	5,20,22	R ←
Ø4	1,3,17	R
Ø5	15,16,23	R ←
Ø6	7,8,9	R
Ø7	2,18,24	R ←
Ø8	4,6,19	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF		
OLG		
OLH		





CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	21	11	41	31	51	43	71	61
CALLED PHASE	2	1	4	3	5	4	7	6
CALL OPTION	X	X		X	X	X	X	X
DELAY TIME			X					
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME						X		
USE ADDED INITIAL	X							X
CROSS SWITCH PHASE								

DETECTOR INPUT	19	17	23	21	33	35	37	39
PLAN LOOP DETECTOR*(S)	83	81	23	63	25	45	65	85
CALLED PHASE	8	8	2	6	2	4	6	8
CALL OPTION	X		X	X	X		X	
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME		X			X	X	X	X
USE ADDED INITIAL			X	X				
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	22	12	42	32	52	44	72	62
CALLED PHASE	2	1	4	3	5	4	7	6
CALL OPTION	X	X		X	X	X	X	X
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME			X					
USE ADDED INITIAL	X							X
CROSS SWITCH PHASE								

DETECTOR INPUT	20	18	24	22				
PLAN LOOP DETECTOR*(S)	84	82	24	64				
CALLED PHASE	8	8	2	6				
CALL OPTION	X		X	X				
DELAY TIME								
EXTENTION OPTION	X	X	X	X				
EXTEND TIME		X						
USE ADDED INITIAL			X	X				
CROSS SWITCH PHASE								

STH 11/DURAND AVE & STH 36/83
CITY OF BURLINGTON
RACINE COUNTY

SIGNAL NO: S51-0992	CABINET TYPE: TS2-E
	CONTROLLER TYPE: ECONOLITE
DATE: 02/2022	PAGE NO. 4 OF 4

PROJECT ID:	**3180-00-76**
INTERSECTION:	**STH 11/DURAND AVE & STH 36/83**

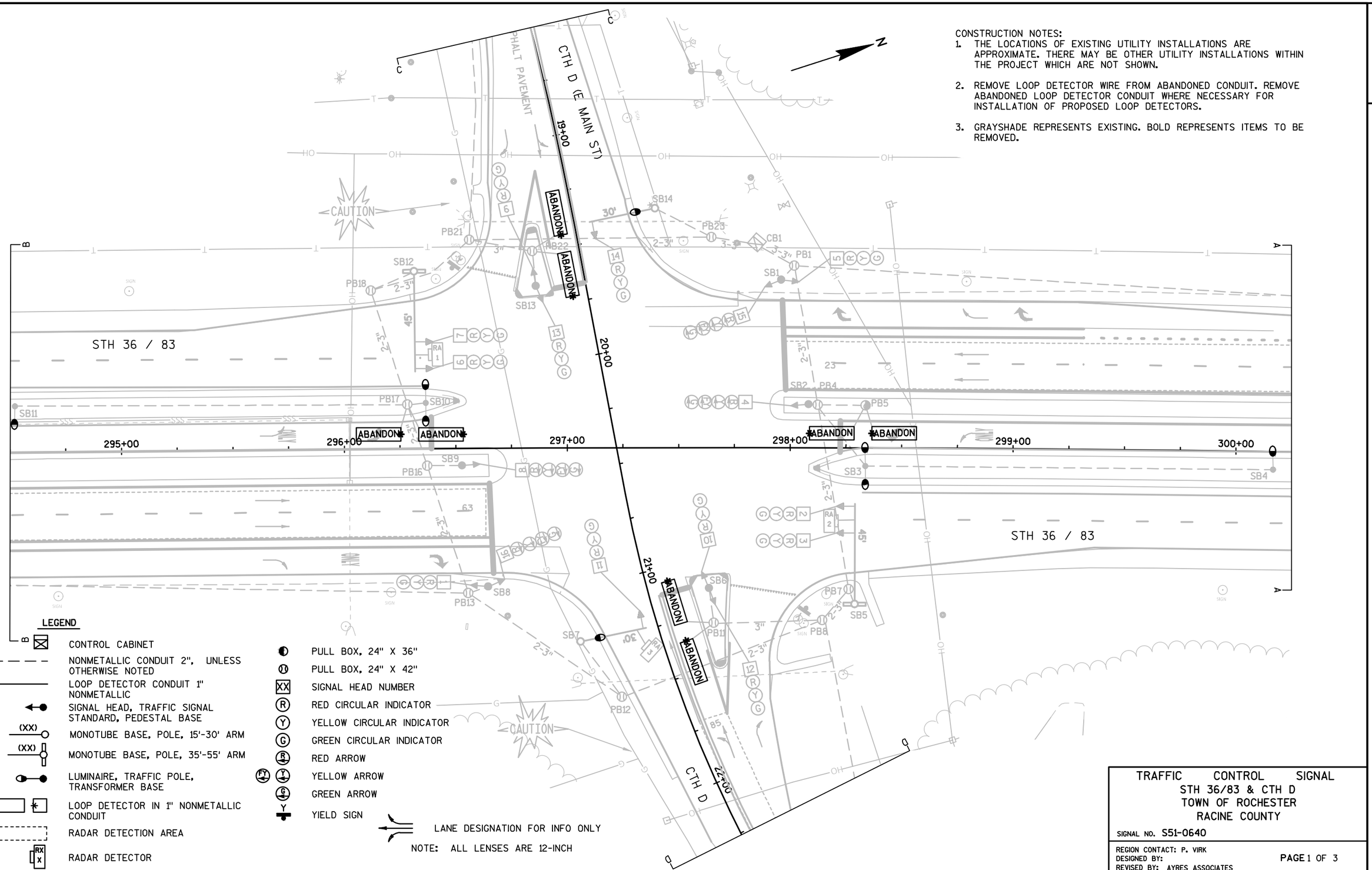
EVP CABLE	
From	**To**
CB1	**SB2 (HEAD A)**
CB1	**SB12 (HEAD B)**
CB1	**SB16 (HEAD C)**
CB1	**SB6 (HEAD D)**

STH 11/DURAND AVE & STH 36/83
CITY OF BURLINGTON
RACINE COUNTY

PAGE 1 OF 1

2

CONSTRUCTION NOTES:
1. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. REMOVE LOOP DETECTOR WIRE FROM ABANDONED CONDUIT. REMOVE ABANDONED LOOP DETECTOR CONDUIT WHERE NECESSARY FOR INSTALLATION OF PROPOSED LOOP DETECTORS.
3. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- RADAR DETECTOR
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- Y YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH

TRAFFIC CONTROL SIGNAL
STH 36/83 & CTH D
TOWN OF ROCHESTER
RACINE COUNTY

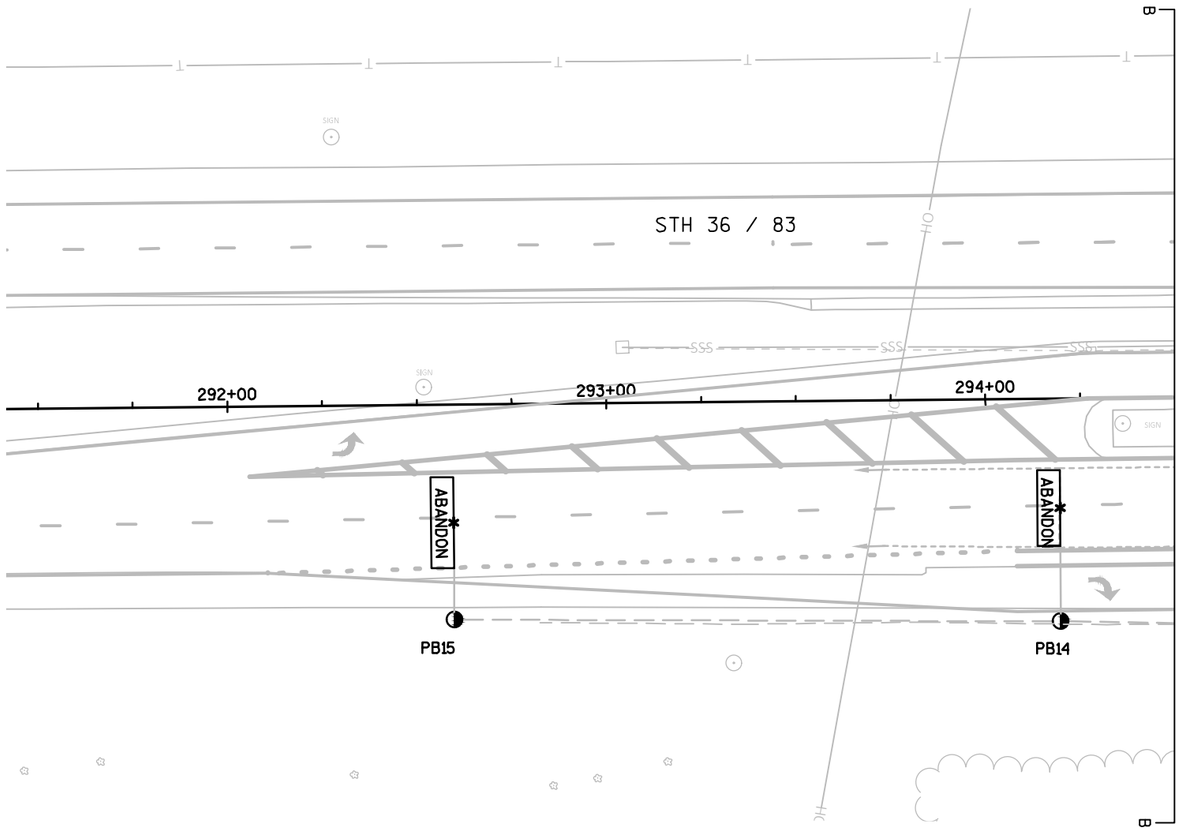
SIGNAL NO. S51-0640

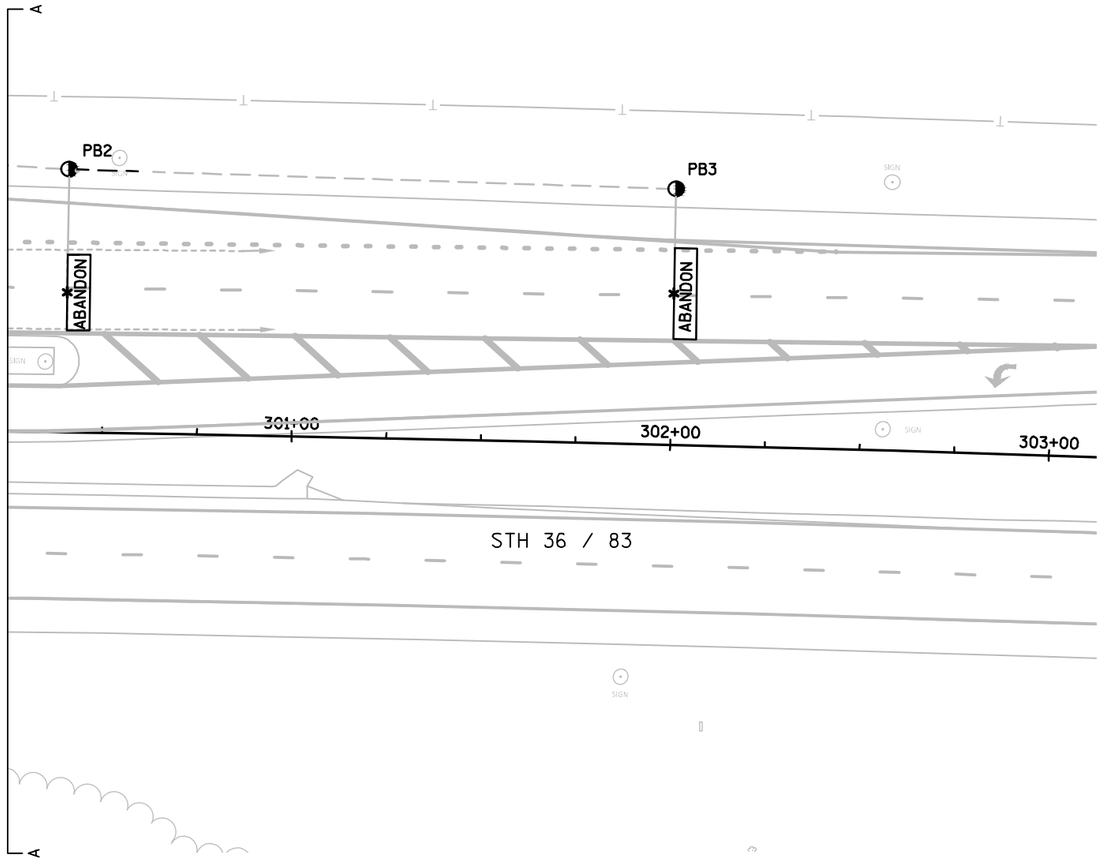
REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 170 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024003-SR_S51-0640.DWG
LAYOUT NAME - 01
PLOT DATE : 1/26/2022 8:53 AM
PLOT BY : ROWELL, ANDREW
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2





TRAFFIC CONTROL SIGNAL
STH 36/83 & CTH D
TOWN OF ROCHESTER
RACINE COUNTY

SIGNAL NO. S51-0640

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

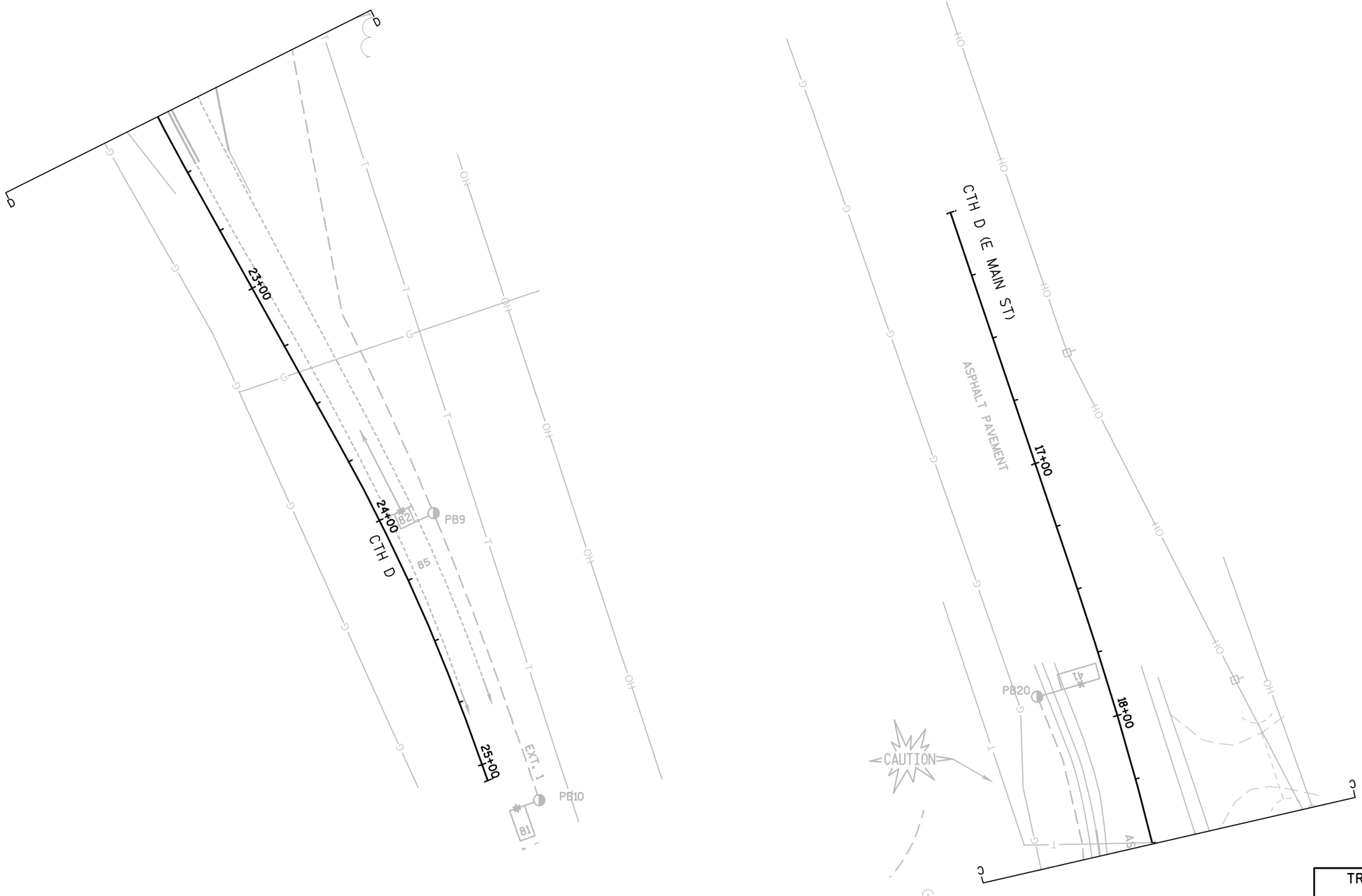
PAGE 2 OF 3

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 171	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024003-SR_S51-0640.DWG
LAYOUT NAME - 02

PLOT DATE : 1/26/2022 8:54 AM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

2



NOTE: NO WORK IS PROPOSED ON THIS SHEET

TRAFFIC CONTROL SIGNAL
STH 36/83 & CTH D
TOWN OF ROCHESTER
RACINE COUNTY

SIGNAL NO. S51-0640

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PAGE 3 OF 3

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 172	E

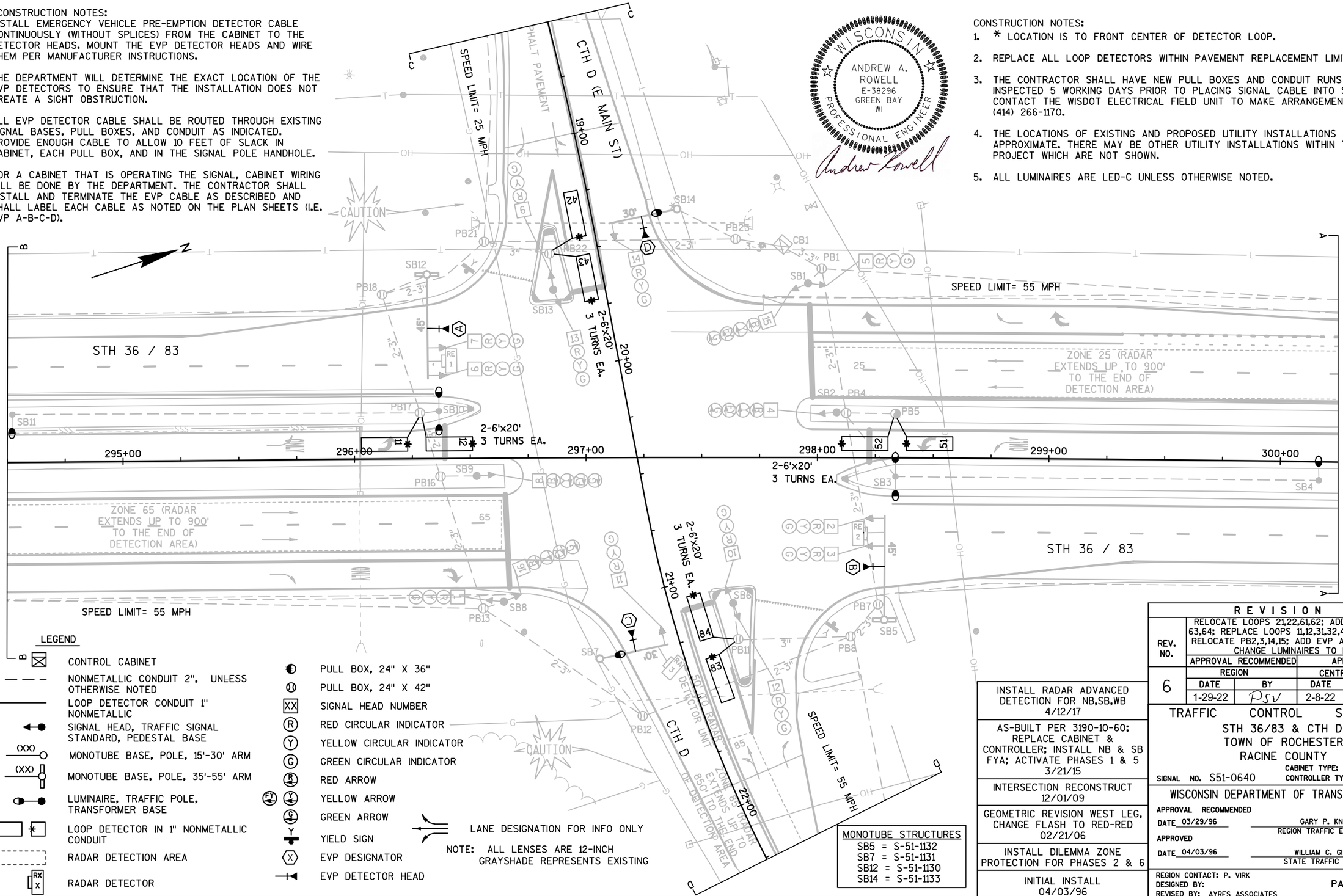
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024003-SR_S51-0640.DWG
LAYOUT NAME - 03

PLOT DATE : 1/26/2022 8:55 AM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

2

EVP CONSTRUCTION NOTES:

1. INSTALL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN CABINET, EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- RADAR DETECTOR
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- Y YIELD SIGN
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURES
SB5 = S-51-1132
SB7 = S-51-1131
SB12 = S-51-1130
SB14 = S-51-1133

WISCONSIN
ANDREW A. ROWELL
E-38296
GREEN BAY
WI
PROFESSIONAL ENGINEER

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. REPLACE ALL LOOP DETECTORS WITHIN PAVEMENT REPLACEMENT LIMITS.
3. THE CONTRACTOR SHALL HAVE NEW PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
4. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.

INSTALL RADAR ADVANCED DETECTION FOR NB,SB,WB 4/12/17

AS-BUILT PER 3190-10-60; REPLACE CABINET & CONTROLLER; INSTALL NB & SB FYA; ACTIVATE PHASES 1 & 5 3/21/15

INTERSECTION RECONSTRUCT 12/01/09

GEOMETRIC REVISION WEST LEG, CHANGE FLASH TO RED-RED 02/21/06

INSTALL DILEMMA ZONE PROTECTION FOR PHASES 2 & 6

INITIAL INSTALL 04/03/96

REVISION

REV. NO.	RELOCATE LOOPS 21,22,61,62; ADD LOOPS 23,24 63,64; REPLACE LOOPS 11,12,31,32,42,43,51,52,83,84 RELOCATE PB2,3,14,15; ADD EVP ALL DIRECTIONS; CHANGE LUMINAIRES TO LED-C			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
6	1-29-22	PSV	2-8-22	JBK

JB 2-8-22

TRAFFIC CONTROL SIGNAL
STH 36/83 & CTH D
TOWN OF ROCHESTER
RACINE COUNTY
SIGNAL NO. S51-0640
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 03/29/96 — GARY P. KNERR, REGION TRAFFIC ENGINEER
APPROVED
DATE 04/03/96 — WILLIAM C. GILDING, STATE TRAFFIC ENGINEER

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

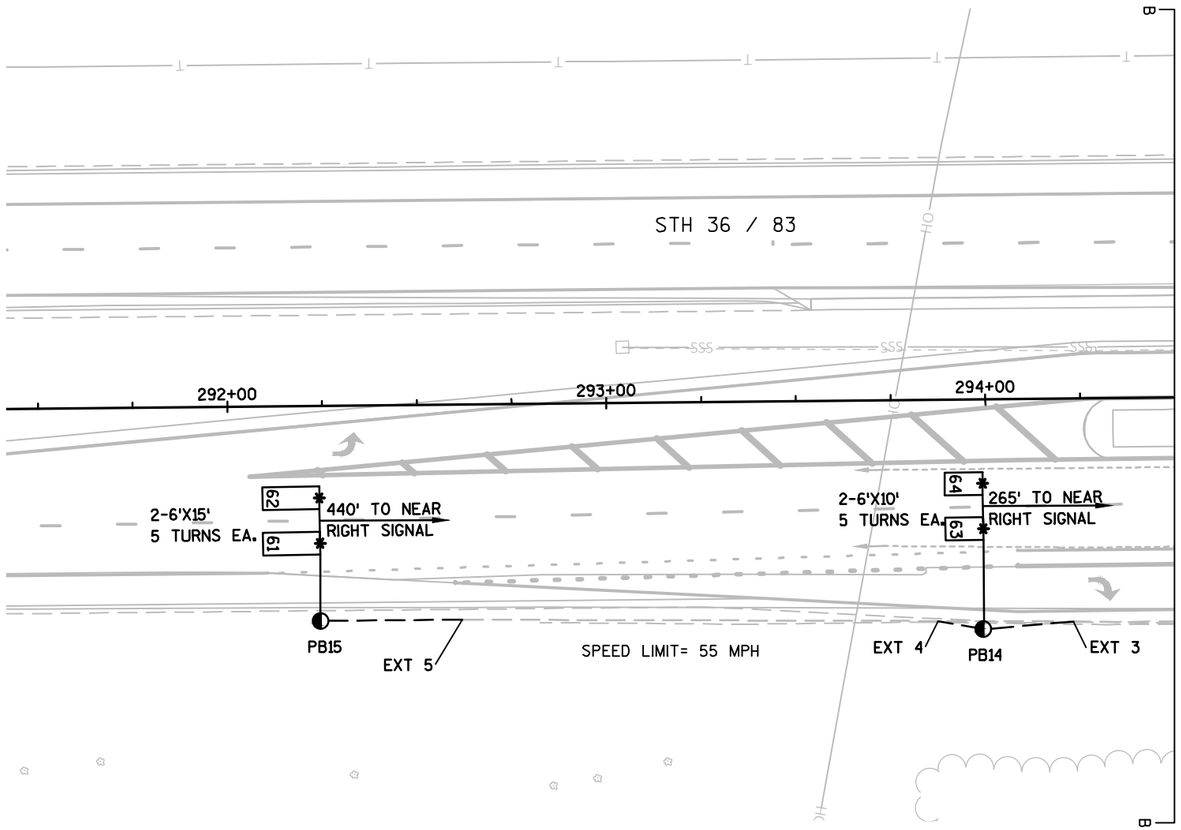
PAGE 1 OF 4

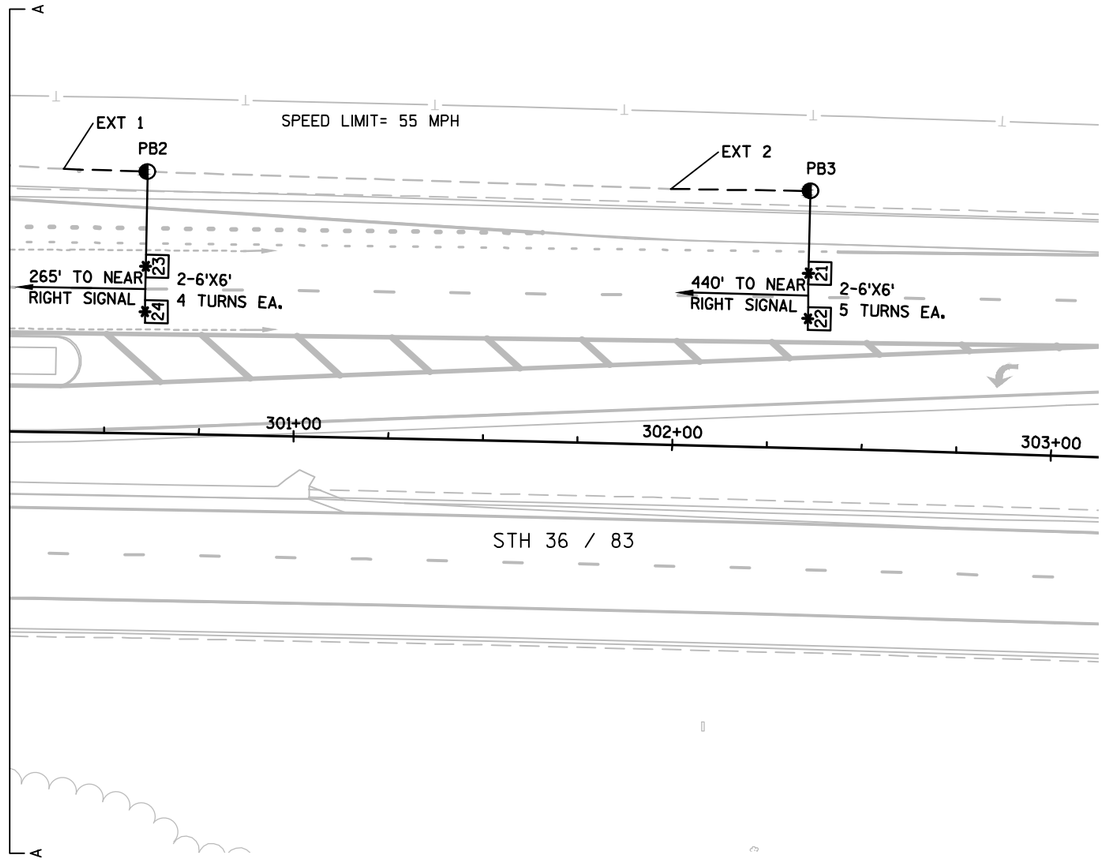
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 173 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024203-SP_S51-0640.DWG
LAYOUT NAME - 01
PLOT DATE : 1/28/2022 8:30 AM
PLOT BY : ROWELL, ANDREW
PLOT NAME :
PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2





TRAFFIC CONTROL SIGNAL
STH 36/83 & CTH D
TOWN OF ROCHESTER
RACINE COUNTY

SIGNAL NO. S51-0640

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

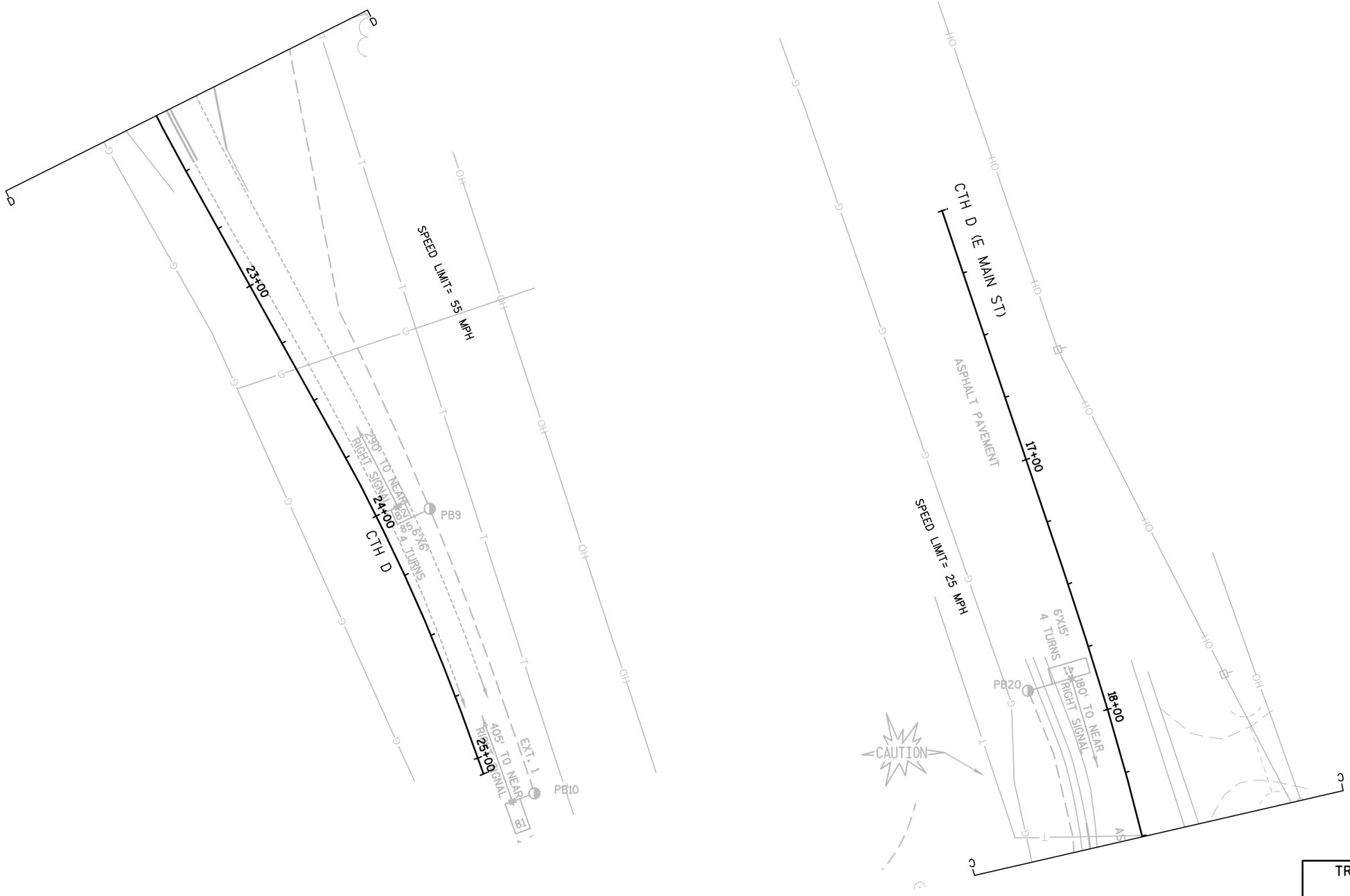
PAGE 2 OF 4

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 174	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024203-SP_S51-0640.DWG
LAYOUT NAME - 02

PLOT DATE : 1/26/2022 3:01 PM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

2



NOTE: NO WORK IS PROPOSED ON THIS SHEET

TRAFFIC CONTROL SIGNAL
STH 36/83 & CTH D
TOWN OF ROCHESTER
RACINE COUNTY

SIGNAL NO. S51-0640

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

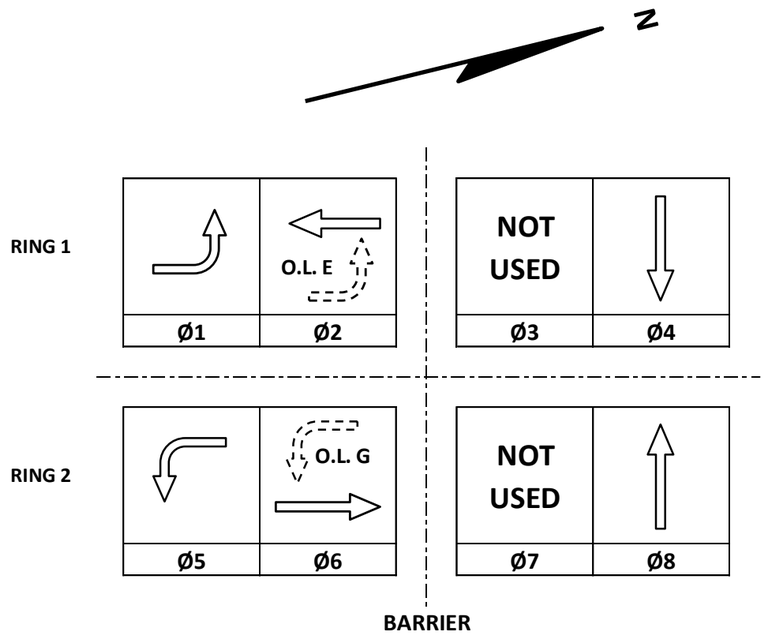
PAGE 3 OF 4

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 175 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024203-SP_S51-0640.DWG
LAYOUT NAME - 03

PLOT DATE : 1/26/2022 3:02 PM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1	4,15	R ←
Ø2	5,6,7	R
Ø3		
Ø4	9,10,11	R
Ø5	8,16	R ←
Ø6	1,2,3	R
Ø7		
Ø8	12,14,14	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE	4,15	-
OLF		
OLG	8,16	-
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4		8		X
5		2		X
6	X	2	MIN	X
7				
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+8	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21		33	35	37	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	21	11	43	41	62	52	84	82	63	23				25	65	85	PLAN LOOP DETECTOR*(S)
CALLED PHASE	2	1	4	4	6	5	8	8	6	2				2	6	8	CALLED PHASE
CALL OPTION	X	X	X		X	X	X		X	X				X	X		CALL OPTION
DELAY TIME			X				X										DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X				X	X	X	EXTENTION OPTION
EXTEND TIME				X				X								X	EXTEND TIME
USE ADDED INITIAL	X				X				X	X							USE ADDED INITIAL
CROSS SWITCH PHASE		2				6											CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22					DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	22	12	51	42	81	61		83	64	24							PLAN LOOP DETECTOR*(S)
CALLED PHASE	2	1	5	4	8	6		8	6	2							CALLED PHASE
CALL OPTION	X	X	X	X		X		X	X	X							CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X		X	X	X							EXTENTION OPTION
EXTEND TIME					X												EXTEND TIME
USE ADDED INITIAL	X					X			X	X							USE ADDED INITIAL
CROSS SWITCH PHASE		2	6														CROSS SWITCH PHASE

STH 36/83 & CTH D
TOWN OF ROCHESTER
RACINE COUNTY
SIGNAL NO: S51-0640 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 02/2022 PAGE NO. 4 OF 4

PROJECT ID:	**3180-00-76**
INTERSECTION:	**STH 36/83 & CTH D**

EVP CABLE	
From	**To**
CB1	**SB12 (HEAD A)**
CB1	**SB5 (HEAD B)**
CB1	**SB7 (HEAD C)**
CB1	**SB14 (HEAD D)**

STH 36/83 & CTH D
CITY OF BURLINGTON
RACINE COUNTY

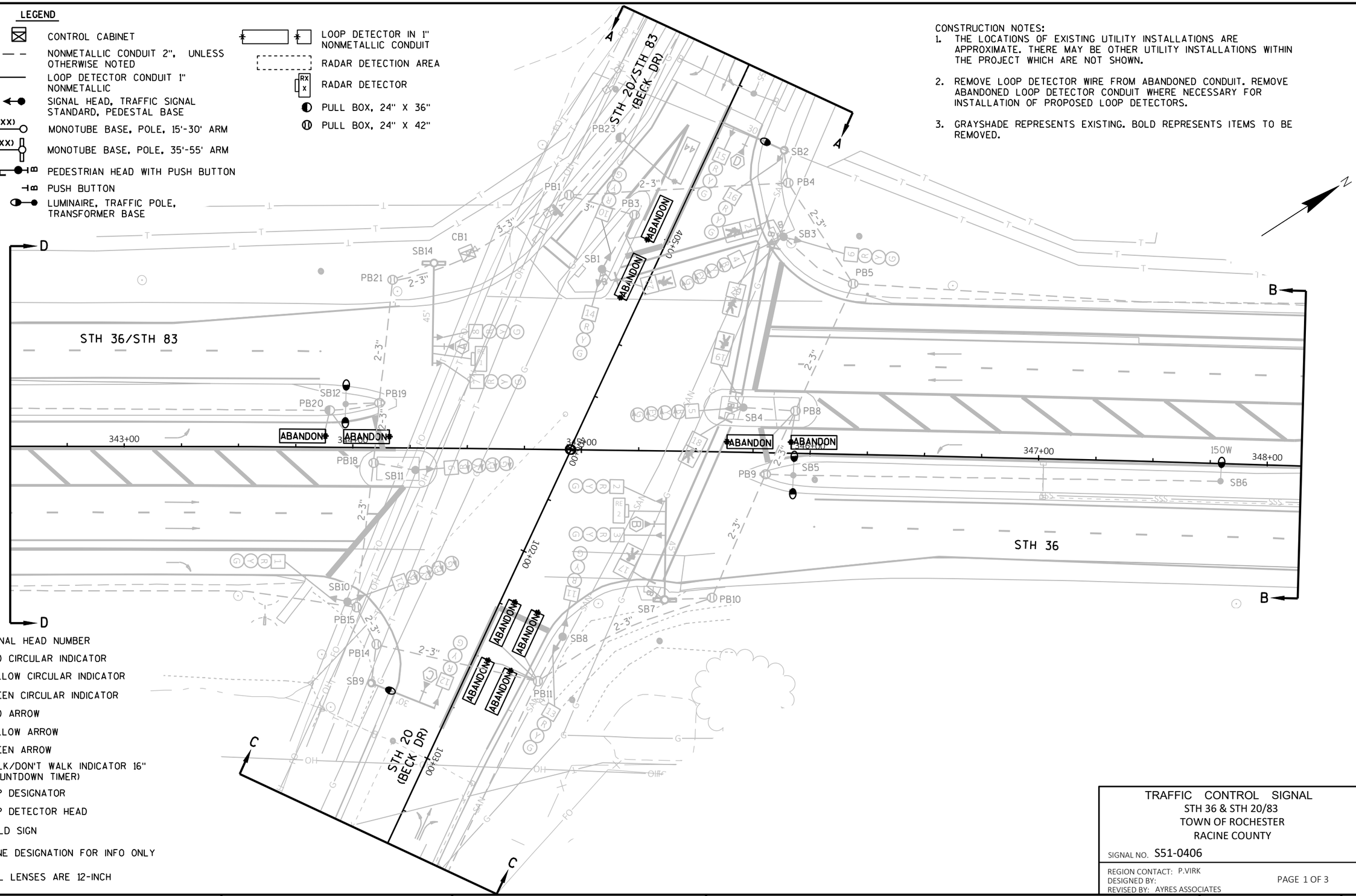
PAGE 1 OF 1

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- RADAR DETECTOR
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. REMOVE LOOP DETECTOR WIRE FROM ABANDONED CONDUIT. REMOVE ABANDONED LOOP DETECTOR CONDUIT WHERE NECESSARY FOR INSTALLATION OF PROPOSED LOOP DETECTORS.
3. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.



- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH

TRAFFIC CONTROL SIGNAL
STH 36 & STH 20/83
TOWN OF ROCHESTER
RACINE COUNTY

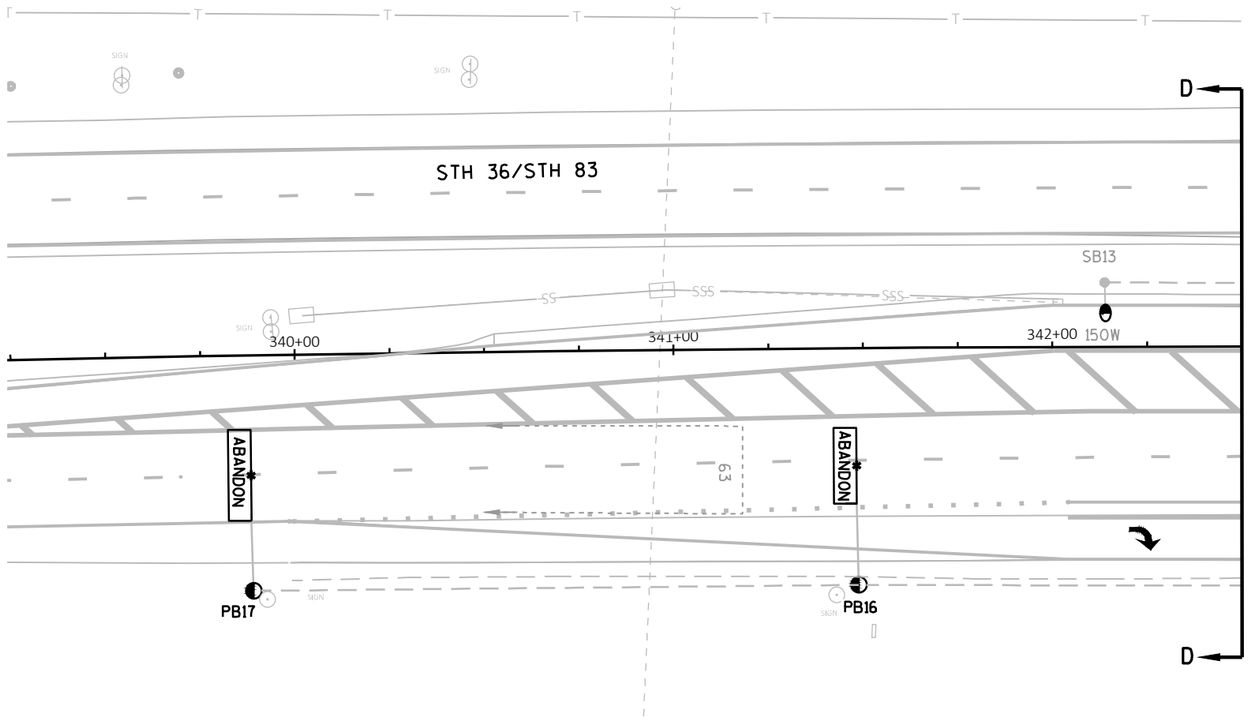
SIGNAL NO. S51-0406

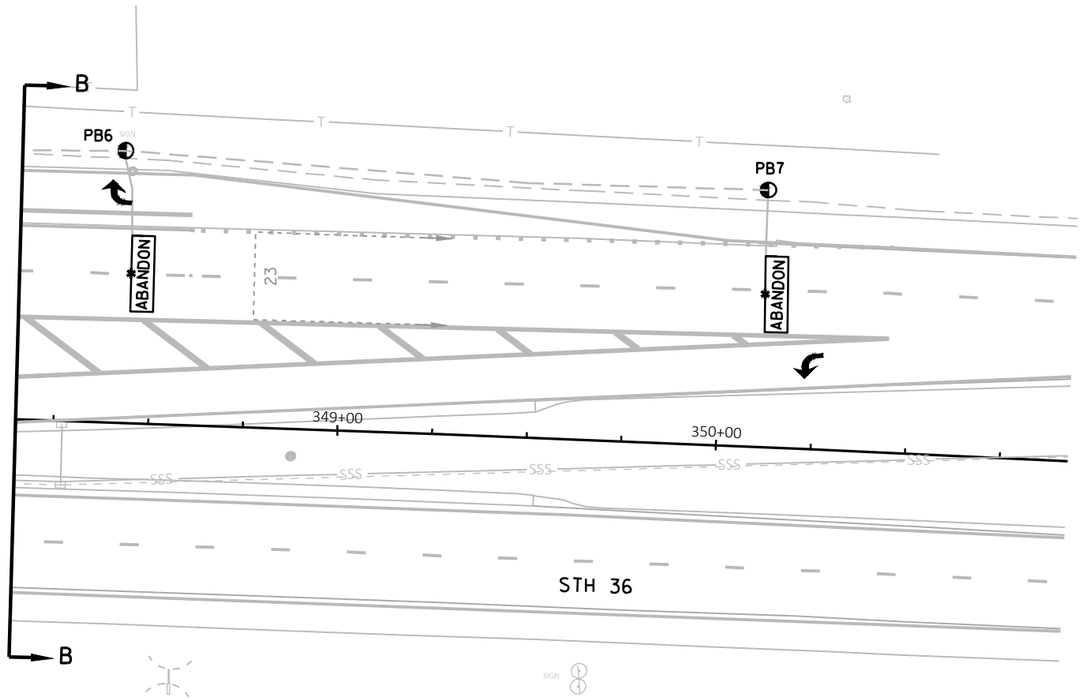
REGION CONTACT: P.VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 178	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024004-SR_S51-0406.DWG
LAYOUT NAME - 01
PLOT DATE : 1/26/2022 8:56 AM
PLOT BY : ROWELL, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2





TRAFFIC CONTROL SIGNAL
STH 36 & STH 20/83
TOWN OF ROCHESTER
RACINE COUNTY

SIGNAL NO. S51-0406

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PAGE 2 OF 3

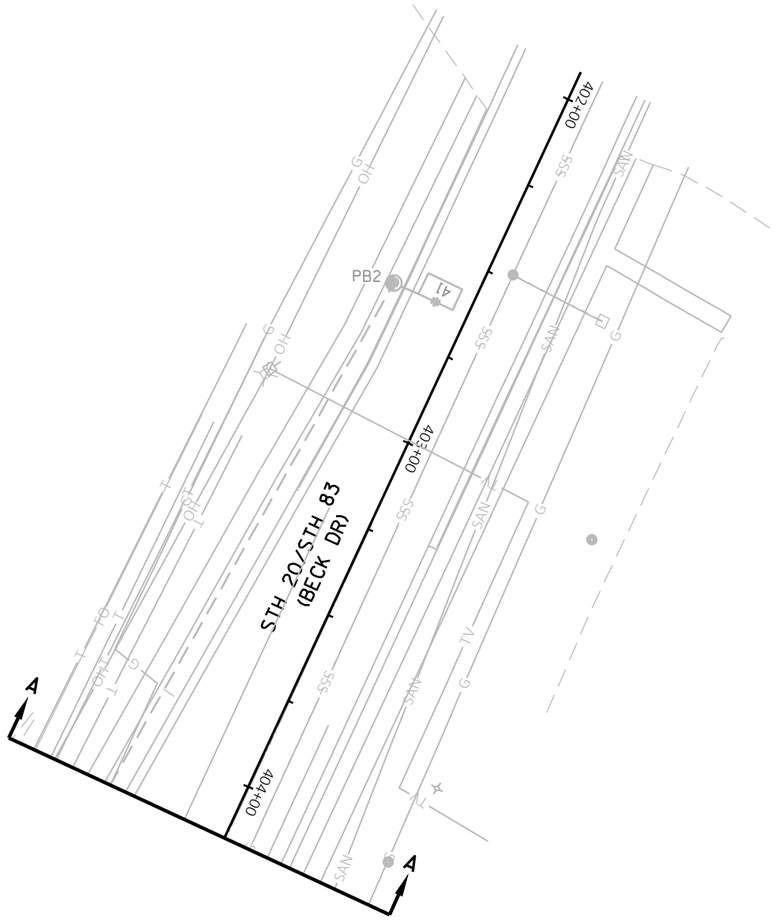
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 179	E

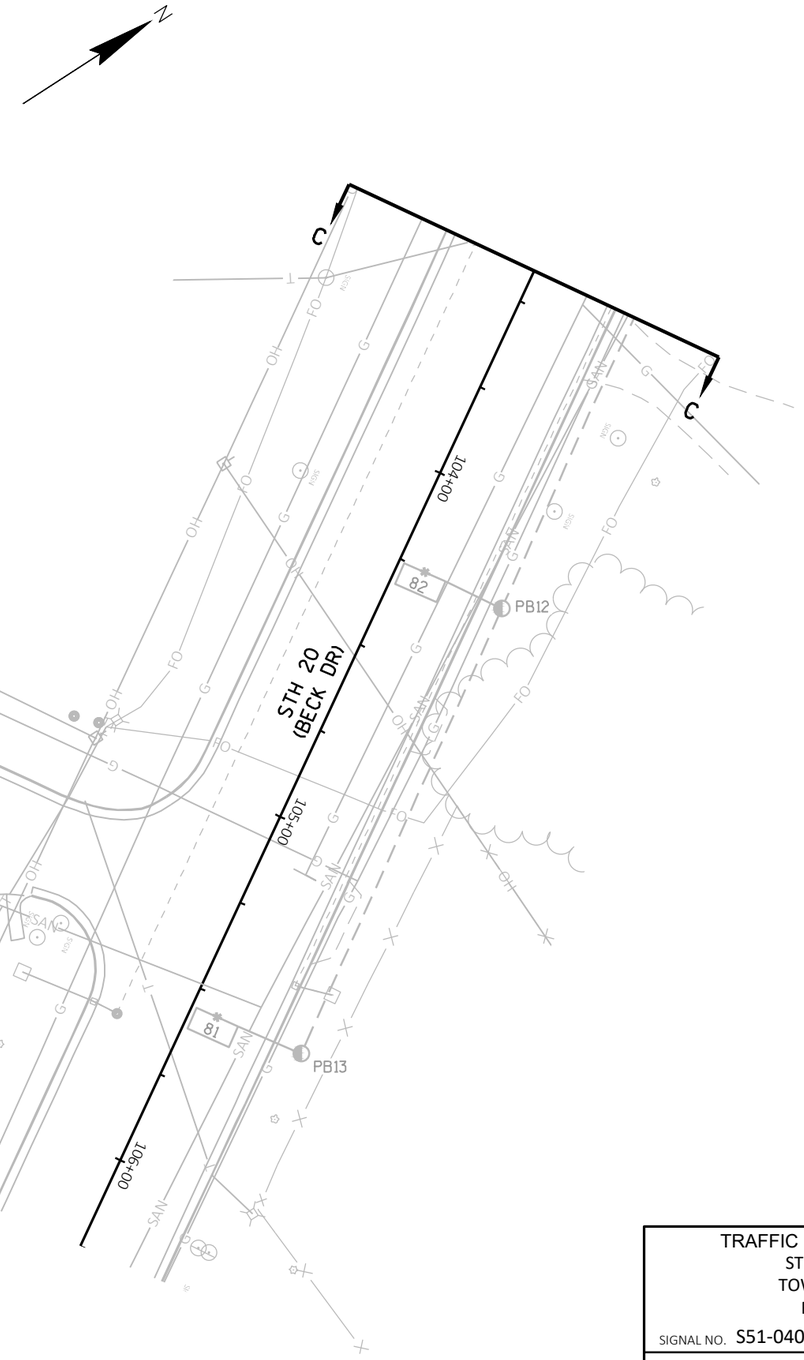
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024004-SR_S51-0406.DWG
LAYOUT NAME - 02

PLOT DATE : 1/26/2022 8:57 AM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2





NOTE: NO WORK IS PROPOSED ON THIS SHEET

TRAFFIC CONTROL SIGNAL
STH 36 & STH 20/83
TOWN OF ROCHESTER
RACINE COUNTY

SIGNAL NO. S51-0406

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PAGE 3 OF 3

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 180	E

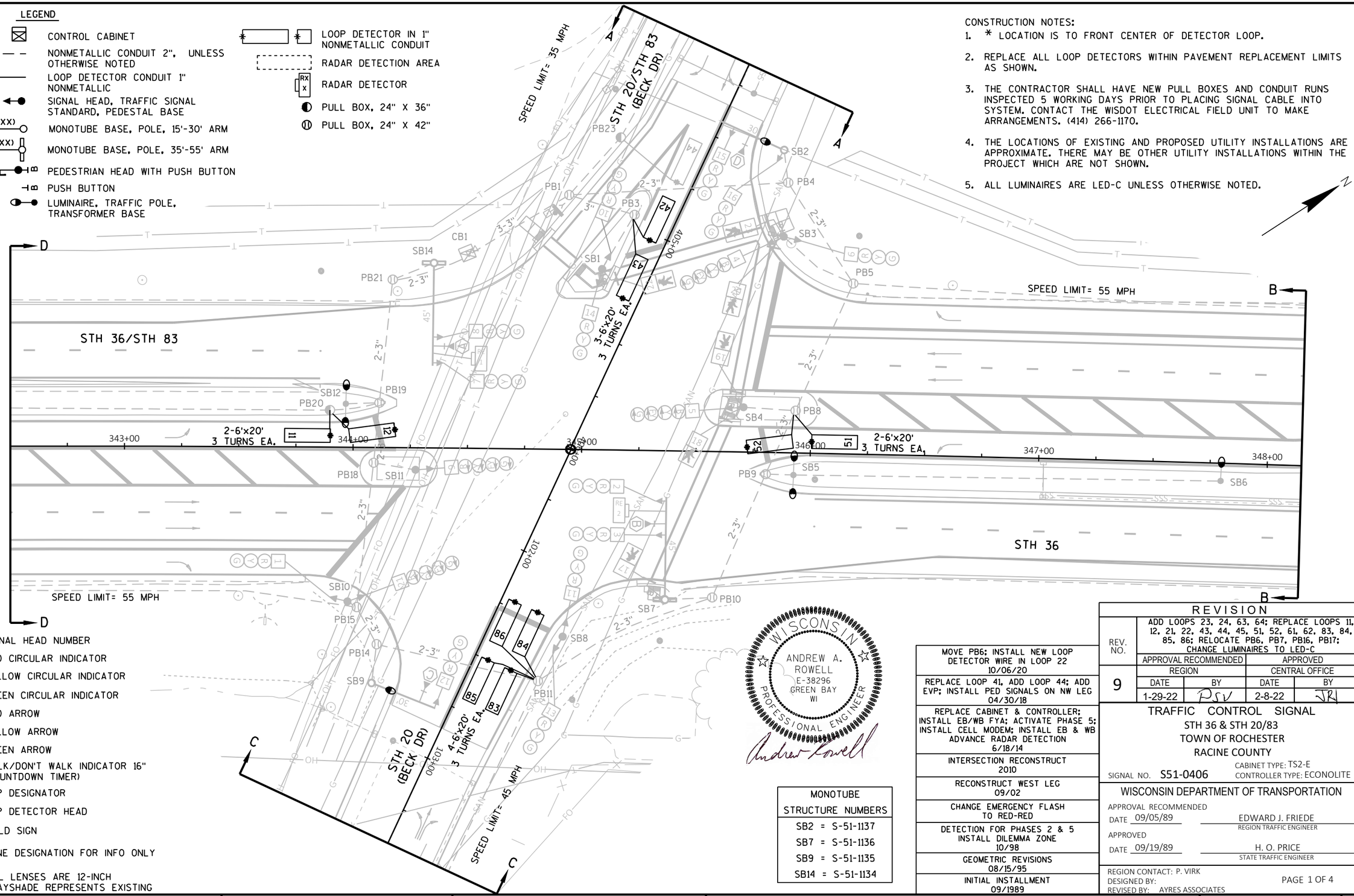
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024004-SR_S51-0406.DWG
LAYOUT NAME - 03
PLOT DATE : 1/26/2022 8:58 AM
PLOT BY : ROWELL, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- RADAR DETECTOR
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. REPLACE ALL LOOP DETECTORS WITHIN PAVEMENT REPLACEMENT LIMITS AS SHOWN.
3. THE CONTRACTOR SHALL HAVE NEW PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
4. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.



- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS
SB2 = S-51-1137
SB7 = S-51-1136
SB9 = S-51-1135
SB14 = S-51-1134

WISCONSIN
ANDREW A. ROWELL
E-38296
GREEN BAY
WI
PROFESSIONAL ENGINEER

REVISION	
MOVE PB6; INSTALL NEW LOOP DETECTOR WIRE IN LOOP 22 10/06/20	
REPLACE LOOP 41, ADD LOOP 44; ADD EVP; INSTALL PED SIGNALS ON NW LEG 04/30/18	
REPLACE CABINET & CONTROLLER; INSTALL EB/WB FYA; ACTIVATE PHASE 5; INSTALL CELL MODEM; INSTALL EB & WB ADVANCE RADAR DETECTION 6/18/14	
INTERSECTION RECONSTRUCT 2010	
RECONSTRUCT WEST LEG 09/02	
CHANGE EMERGENCY FLASH TO RED-RED	
DETECTION FOR PHASES 2 & 5 INSTALL DILEMMA ZONE 10/98	
GEOMETRIC REVISIONS 08/15/95	
INITIAL INSTALLMENT 09/1989	

REV. NO.	ADD LOOPS 23, 24, 63, 64; REPLACE LOOPS 11, 12, 21, 22, 43, 44, 45, 51, 52, 61, 62, 83, 84, 85, 86; RELOCATE PB6, PB7, PB16, PB17; CHANGE LUMINAIRES TO LED-C			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
9	DATE	BY	DATE	BY
	1-29-22	PSV	2-8-22	JRJ

JB 2-8-22

TRAFFIC CONTROL SIGNAL
STH 36 & STH 20/83
TOWN OF ROCHESTER
RACINE COUNTY

SIGNAL NO. S51-0406
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 09/05/89 — EDWARD J. FRIEDE, REGION TRAFFIC ENGINEER

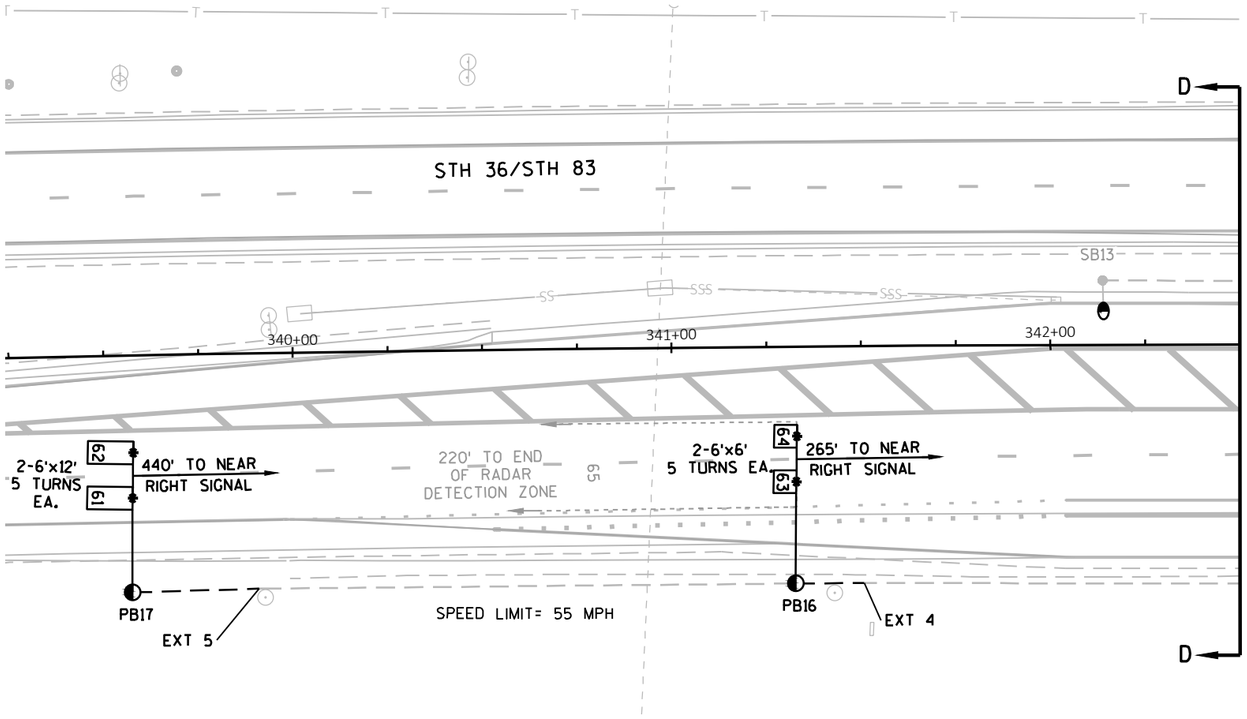
APPROVED
DATE 09/19/89 — H. O. PRICE, STATE TRAFFIC ENGINEER

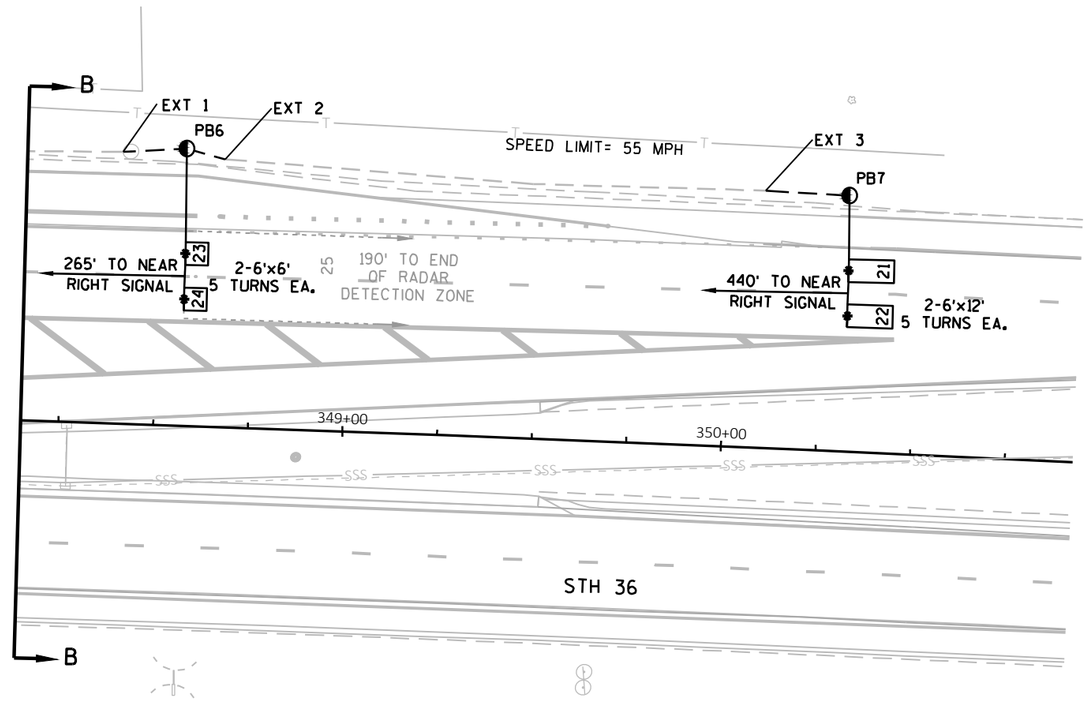
REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 181	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024204-SP_S51-0406.DWG
LAYOUT NAME - 01
PLOT DATE : 1/28/2022 8:21 AM
PLOT BY : ROWELL, ANDREW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2





TRAFFIC CONTROL SIGNAL
STH 36 & STH 20/83
TOWN OF ROCHESTER
RACINE COUNTY

SIGNAL NO. S51-0406

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

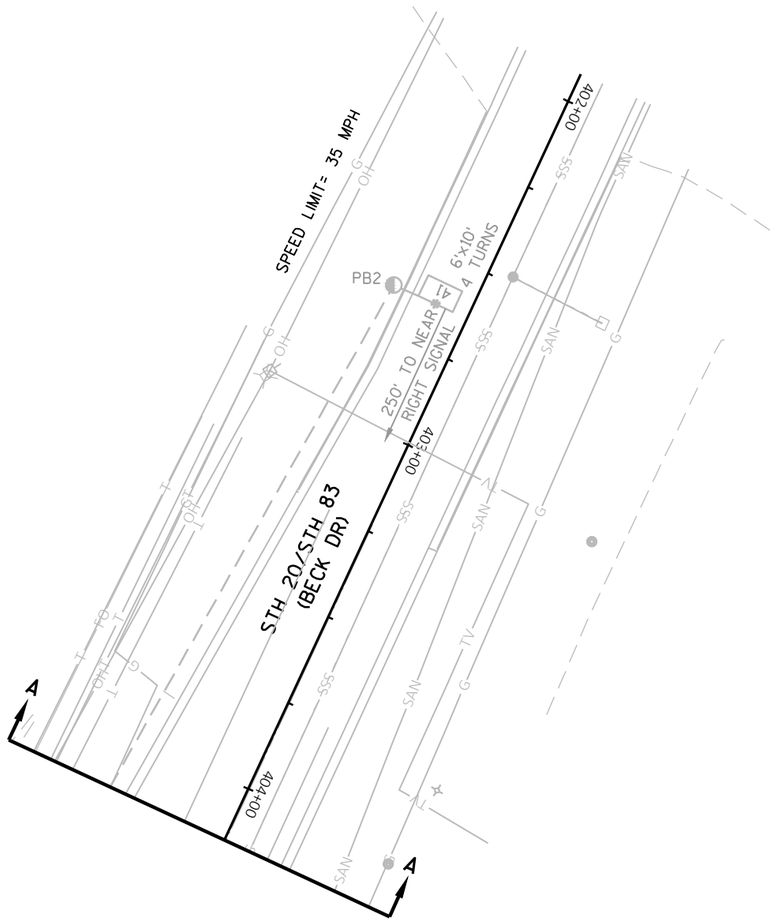
PAGE 2 OF 4

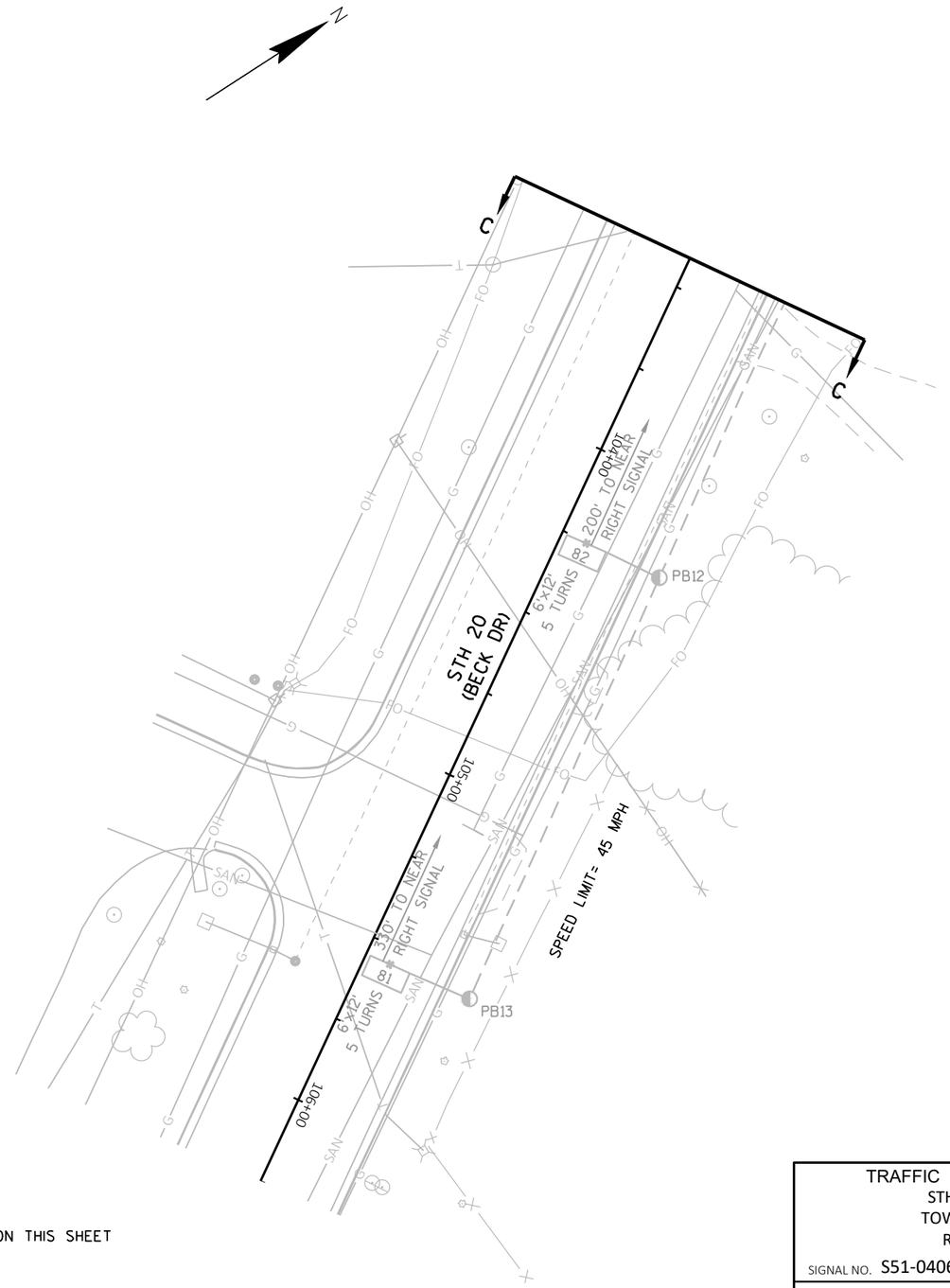
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 182	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024204-SP_S51-0406.DWG
LAYOUT NAME - 02

PLOT DATE : 1/26/2022 3:04 PM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2





NOTE: NO WORK IS PROPOSED ON THIS SHEET

TRAFFIC CONTROL SIGNAL
STH 36 & STH 20/83
TOWN OF ROCHESTER
RACINE COUNTY

SIGNAL NO. S51-0406

REGION CONTACT: P. VIRK
DESIGNED BY:
REVISED BY: AYRES ASSOCIATES

PAGE 3 OF 4

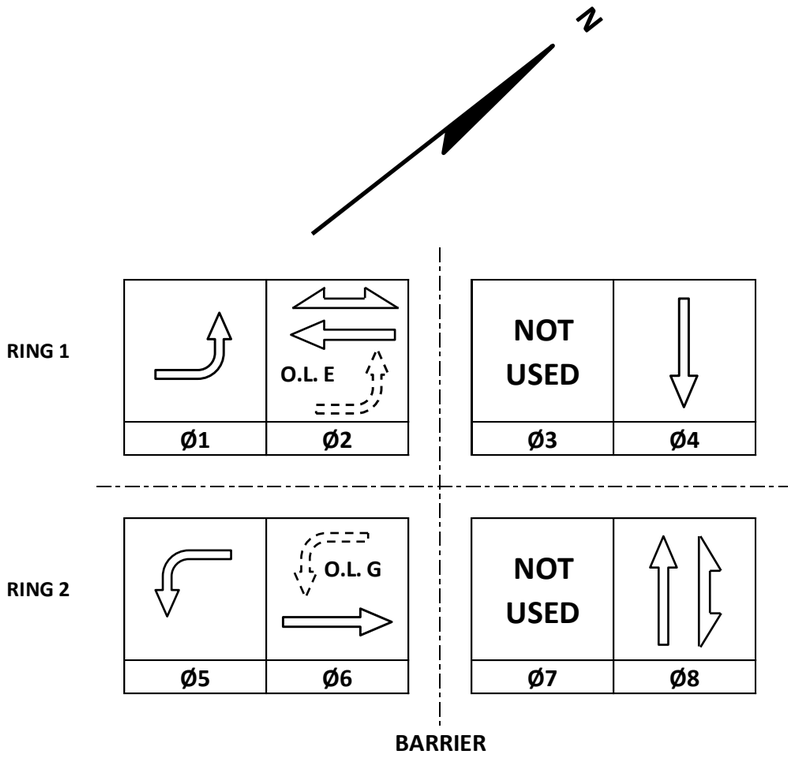
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 183	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024204-SP_S51-0406.DWG
LAYOUT NAME - 03

PLOT DATE : 1/26/2022 3:05 PM PLOT BY : ROWELL, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5	R
Ø2	6,7,8	R
Ø3		
Ø4	10,11,12	R
Ø5	9,21	R
Ø6	1,2,3	R
Ø7		
Ø8	13,14,15,16	R
Ø2P	22,23	
Ø4P		
Ø6P		
Ø8P	17,18,19,20	
OLE	4,5	-
OLF		
OLG	9,21	-
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4		8		X
5		2		X
6	X	2	MIN	X
7				
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+8	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

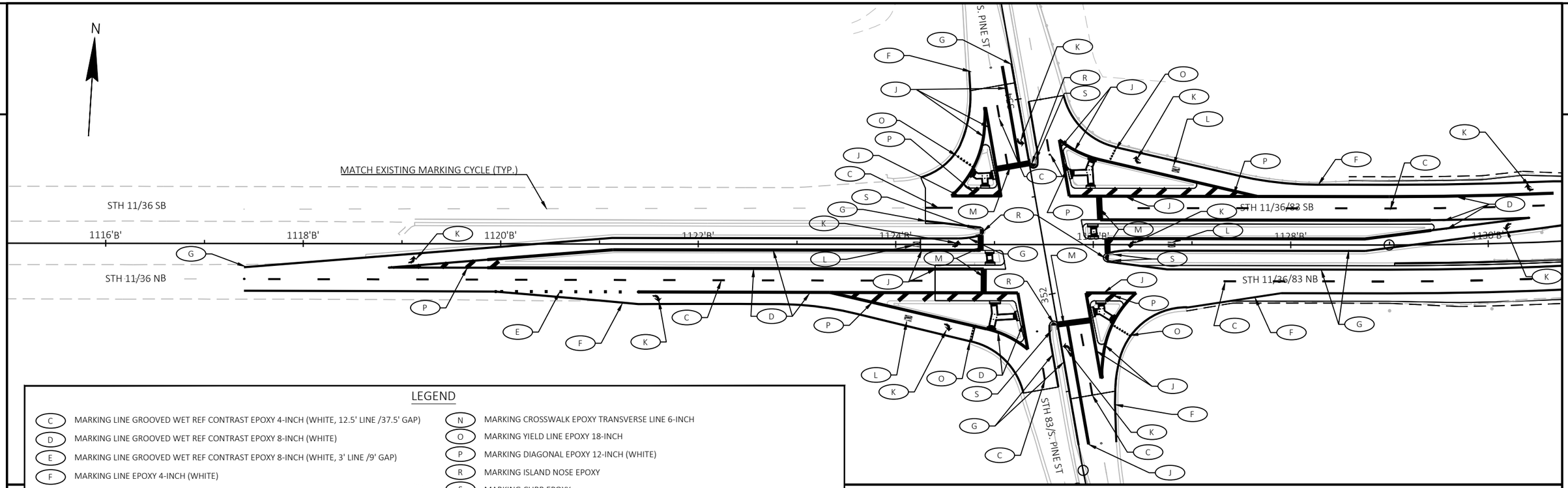
DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23					49	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	23	41	43	51	61	63	81	83	85					25	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	5	6	6	8	8	8					2	CALLED PHASE
CALL OPTION	X	X	X		X	X	X	X		X	X					X	CALL OPTION
DELAY TIME					X					X	X						DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X					X	EXTENTION OPTION
EXTEND TIME				X					X								EXTEND TIME
USE ADDED INITIAL		X	X				X	X									USE ADDED INITIAL
CROSS SWITCH PHASE	2					6											CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24					50	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	22	24	42	44	52	62	64	82	84	86					65	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	5	6	6	8	8	8					6	CALLED PHASE
CALL OPTION	X	X	X		X	X	X	X		X	X					X	CALL OPTION
DELAY TIME					X					X	X						DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X					X	EXTENTION OPTION
EXTEND TIME				X					X								EXTEND TIME
USE ADDED INITIAL		X	X				X	X									USE ADDED INITIAL
CROSS SWITCH PHASE	2					6											CROSS SWITCH PHASE

STH 36 & STH 20/83
TOWN OF ROCHESTER
RACINE COUNTY

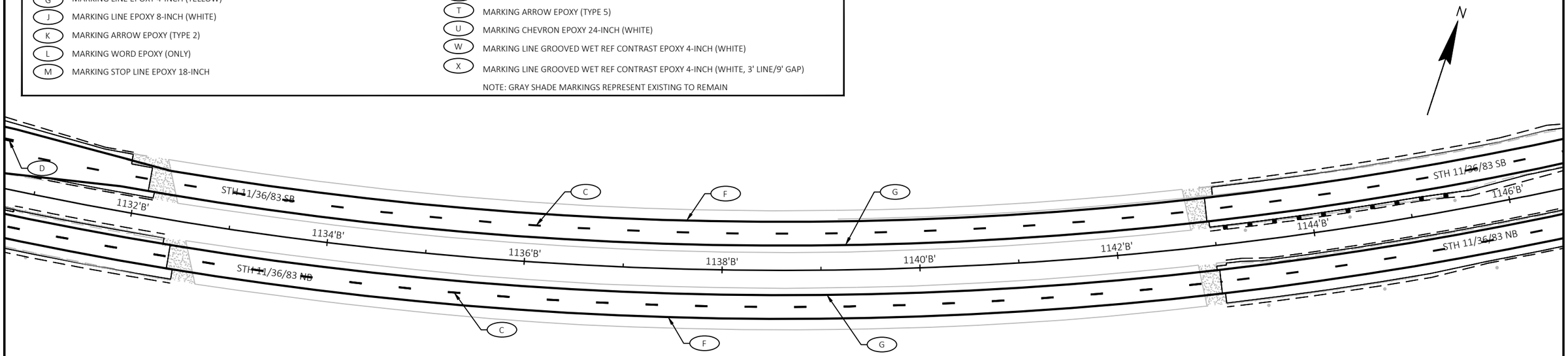
SIGNAL NO: S51-0406 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 02/2022 PAGE NO. 4 OF 4



LEGEND

- C MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F MARKING LINE EPOXY 4-INCH (WHITE)
- G MARKING LINE EPOXY 4-INCH (YELLOW)
- J MARKING LINE EPOXY 8-INCH (WHITE)
- K MARKING ARROW EPOXY (TYPE 2)
- L MARKING WORD EPOXY (ONLY)
- M MARKING STOP LINE EPOXY 18-INCH
- N MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O MARKING YIELD LINE EPOXY 18-INCH
- P MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R MARKING ISLAND NOSE EPOXY
- S MARKING CURB EPOXY
- T MARKING ARROW EPOXY (TYPE 5)
- U MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

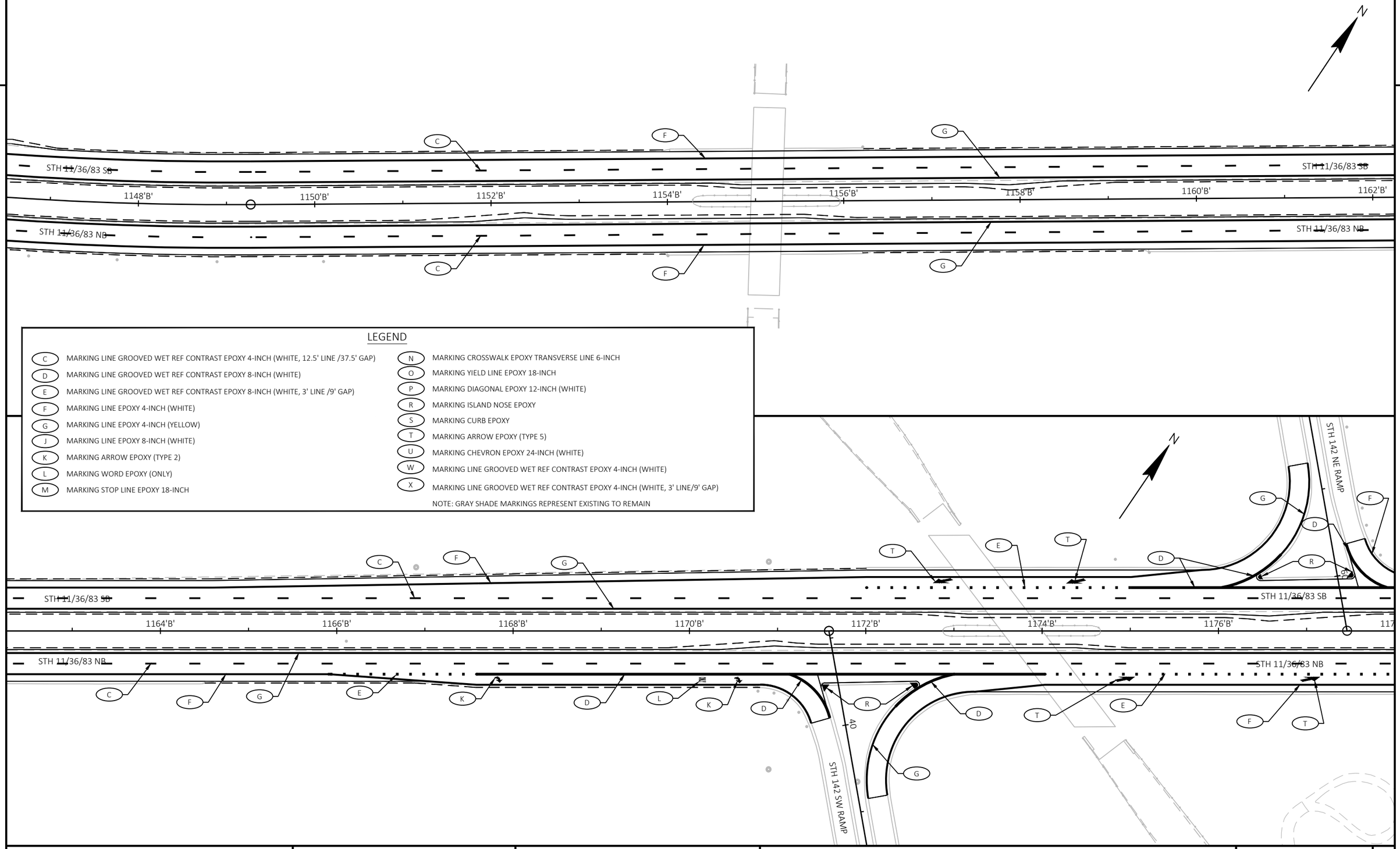
NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 185	E

2

2

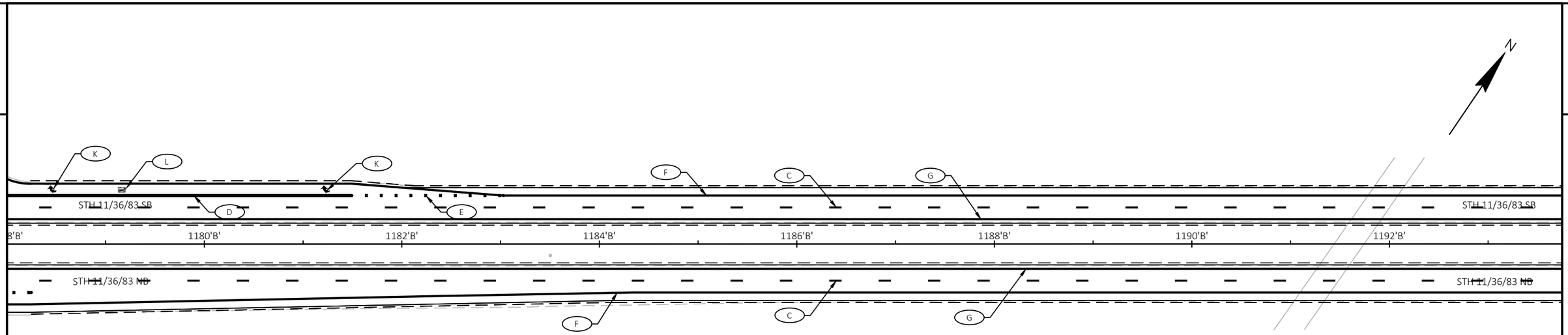


LEGEND

- C MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F MARKING LINE EPOXY 4-INCH (WHITE)
- G MARKING LINE EPOXY 4-INCH (YELLOW)
- J MARKING LINE EPOXY 8-INCH (WHITE)
- K MARKING ARROW EPOXY (TYPE 2)
- L MARKING WORD EPOXY (ONLY)
- M MARKING STOP LINE EPOXY 18-INCH
- N MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O MARKING YIELD LINE EPOXY 18-INCH
- P MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R MARKING ISLAND NOSE EPOXY
- S MARKING CURB EPOXY
- T MARKING ARROW EPOXY (TYPE 5)
- U MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN

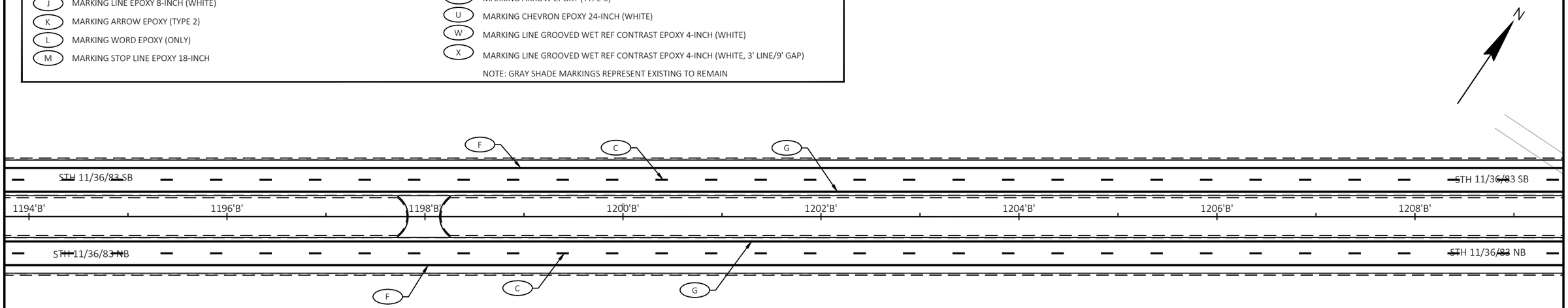
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 186	E



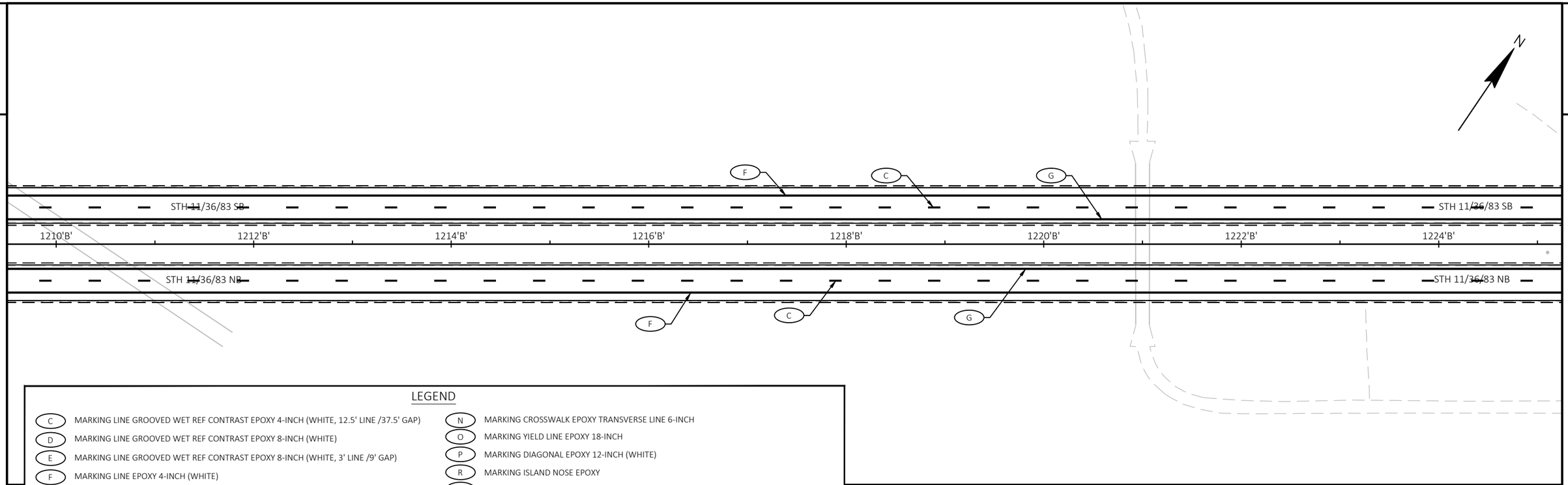
LEGEND

- C MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F MARKING LINE EPOXY 4-INCH (WHITE)
- G MARKING LINE EPOXY 4-INCH (YELLOW)
- J MARKING LINE EPOXY 8-INCH (WHITE)
- K MARKING ARROW EPOXY (TYPE 2)
- L MARKING WORD EPOXY (ONLY)
- M MARKING STOP LINE EPOXY 18-INCH
- N MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O MARKING YIELD LINE EPOXY 18-INCH
- P MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R MARKING ISLAND NOSE EPOXY
- S MARKING CURB EPOXY
- T MARKING ARROW EPOXY (TYPE 5)
- U MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 187	E

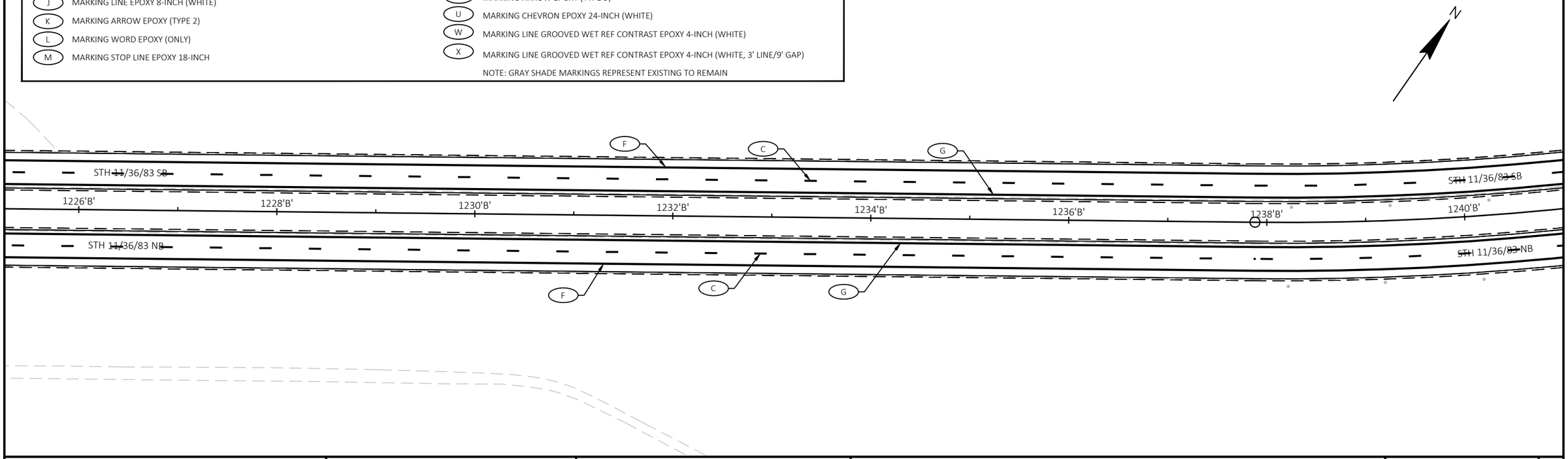


2

LEGEND

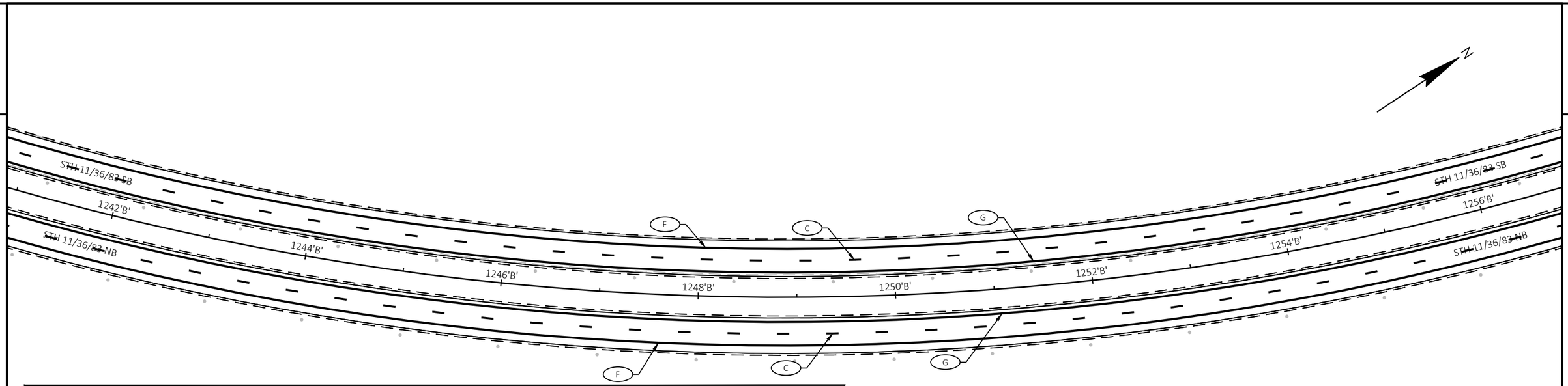
- C — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D — MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F — MARKING LINE EPOXY 4-INCH (WHITE)
- G — MARKING LINE EPOXY 4-INCH (YELLOW)
- J — MARKING LINE EPOXY 8-INCH (WHITE)
- K — MARKING ARROW EPOXY (TYPE 2)
- L — MARKING WORD EPOXY (ONLY)
- M — MARKING STOP LINE EPOXY 18-INCH
- N — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O — MARKING YIELD LINE EPOXY 18-INCH
- P — MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R — MARKING ISLAND NOSE EPOXY
- S — MARKING CURB EPOXY
- T — MARKING ARROW EPOXY (TYPE 5)
- U — MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 188	E

2

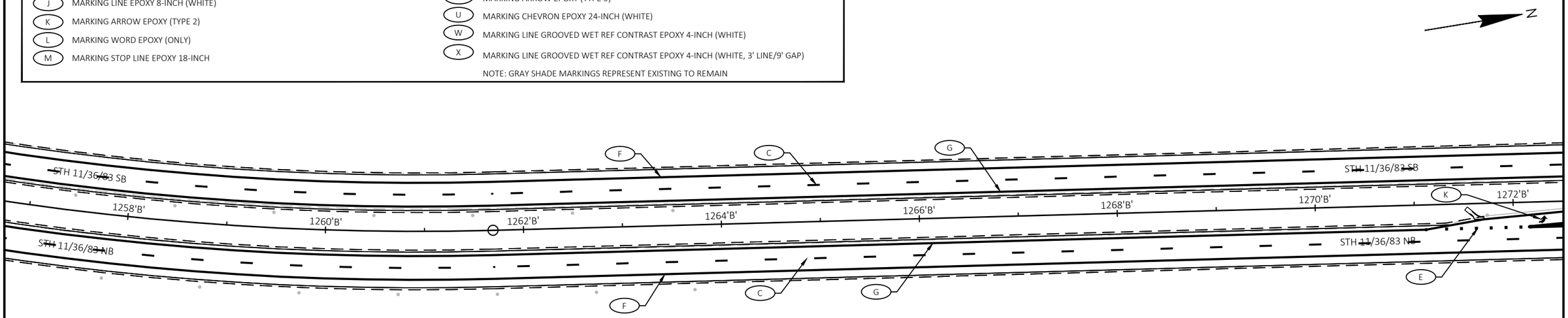


2

LEGEND

- C MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F MARKING LINE EPOXY 4-INCH (WHITE)
- G MARKING LINE EPOXY 4-INCH (YELLOW)
- J MARKING LINE EPOXY 8-INCH (WHITE)
- K MARKING ARROW EPOXY (TYPE 2)
- L MARKING WORD EPOXY (ONLY)
- M MARKING STOP LINE EPOXY 18-INCH
- N MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O MARKING YIELD LINE EPOXY 18-INCH
- P MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R MARKING ISLAND NOSE EPOXY
- S MARKING CURB EPOXY
- T MARKING ARROW EPOXY (TYPE 5)
- U MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN



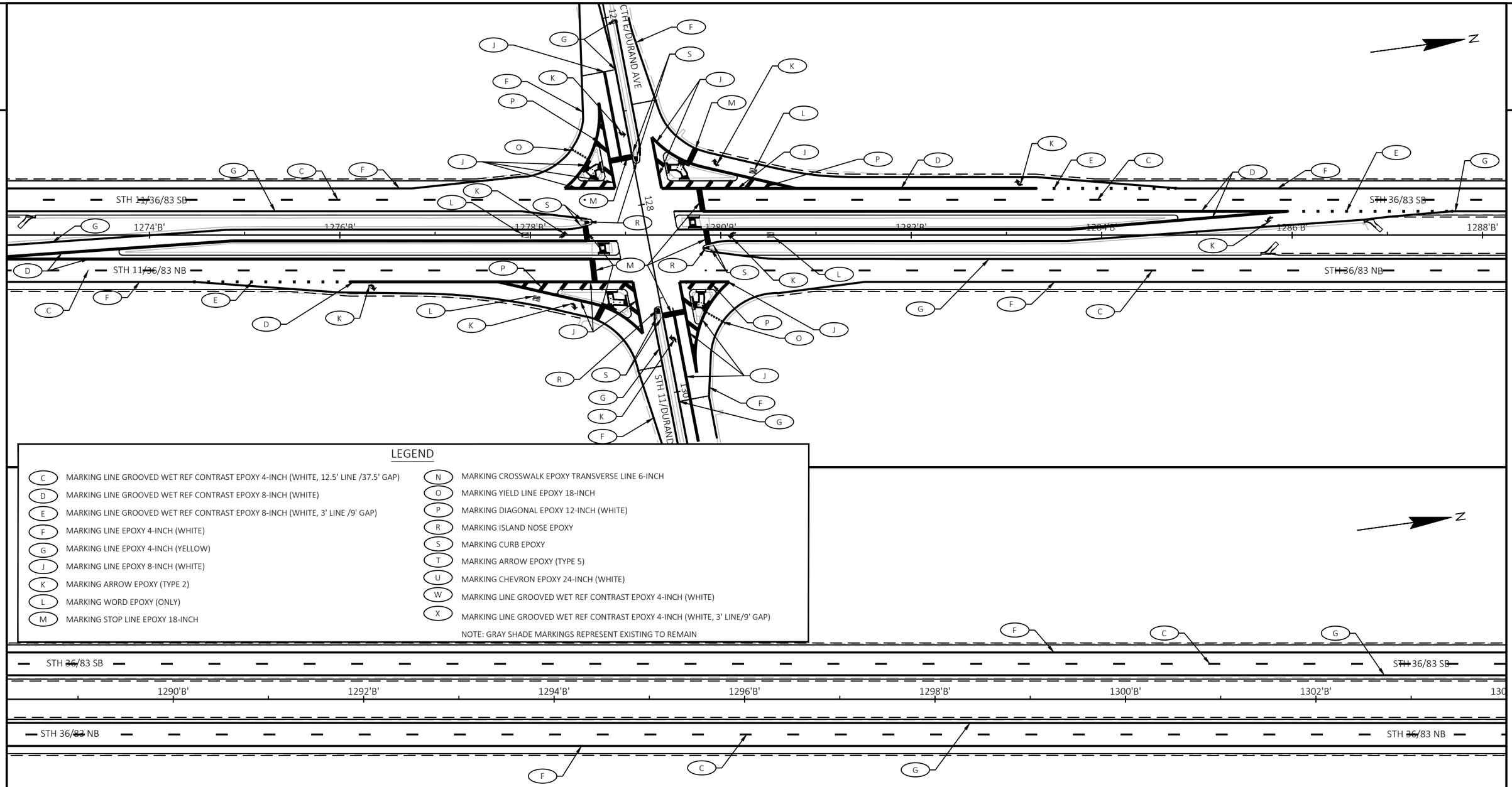
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 189	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 05

PLOT DATE : 1/31/2022 1:05 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

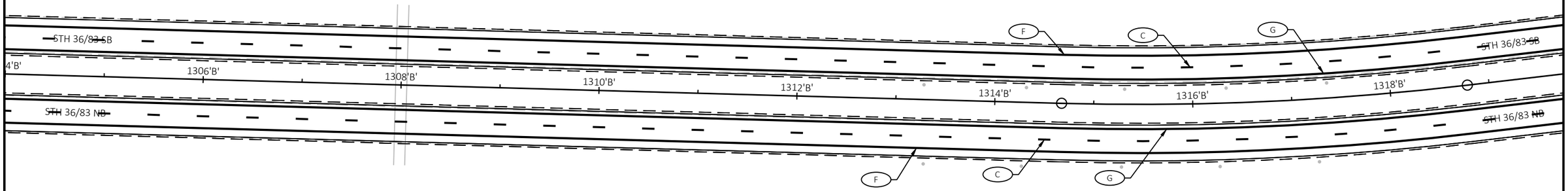


LEGEND

- C — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D — MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F — MARKING LINE EPOXY 4-INCH (WHITE)
- G — MARKING LINE EPOXY 4-INCH (YELLOW)
- J — MARKING LINE EPOXY 8-INCH (WHITE)
- K — MARKING ARROW EPOXY (TYPE 2)
- L — MARKING WORD EPOXY (ONLY)
- M — MARKING STOP LINE EPOXY 18-INCH
- N — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O — MARKING YIELD LINE EPOXY 18-INCH
- P — MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R — MARKING ISLAND NOSE EPOXY
- S — MARKING CURB EPOXY
- T — MARKING ARROW EPOXY (TYPE 5)
- U — MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN

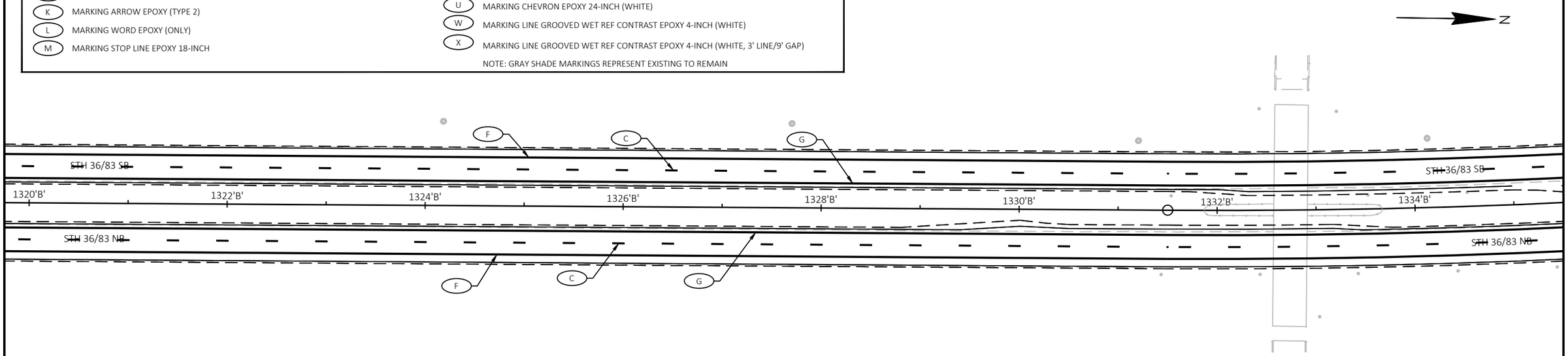
2



LEGEND

- C MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F MARKING LINE EPOXY 4-INCH (WHITE)
- G MARKING LINE EPOXY 4-INCH (YELLOW)
- J MARKING LINE EPOXY 8-INCH (WHITE)
- K MARKING ARROW EPOXY (TYPE 2)
- L MARKING WORD EPOXY (ONLY)
- M MARKING STOP LINE EPOXY 18-INCH
- N MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O MARKING YIELD LINE EPOXY 18-INCH
- P MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R MARKING ISLAND NOSE EPOXY
- S MARKING CURB EPOXY
- T MARKING ARROW EPOXY (TYPE 5)
- U MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN

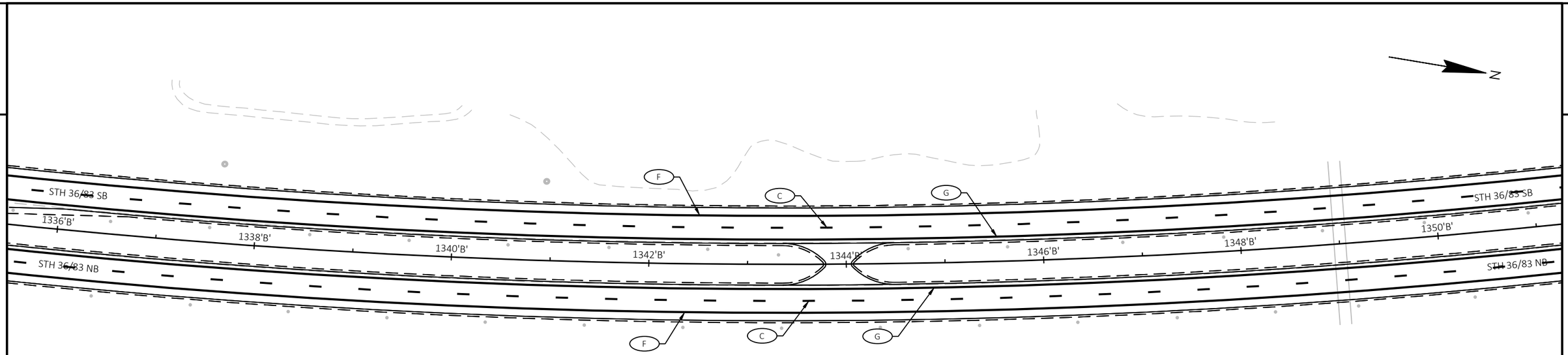


PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 191	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 07

PLOT DATE : 1/31/2022 1:06 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

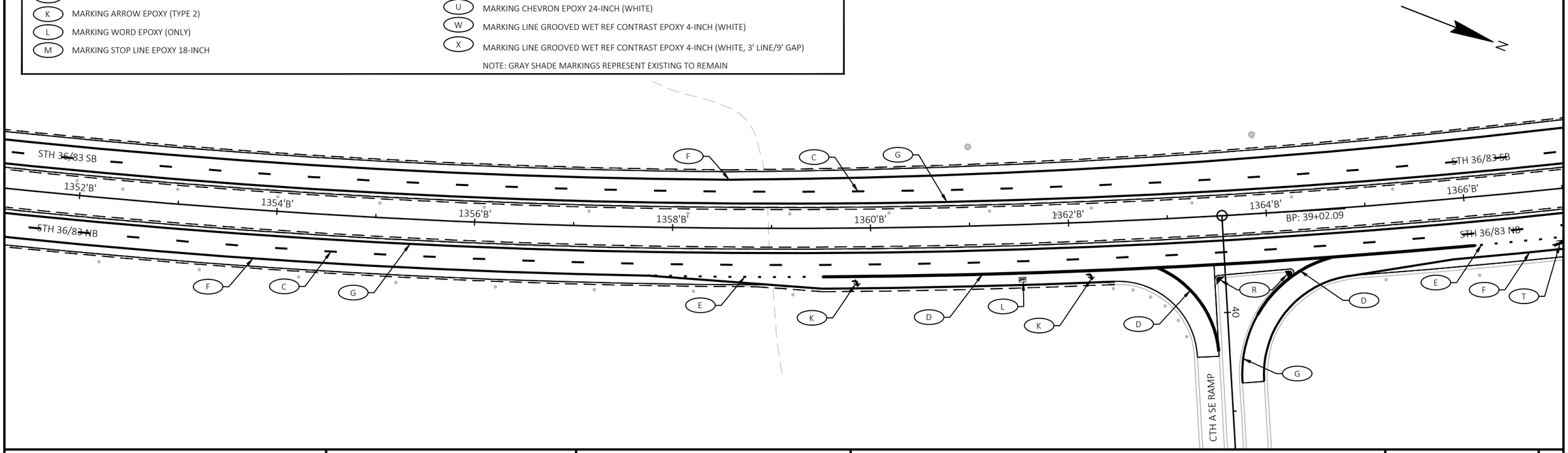
2



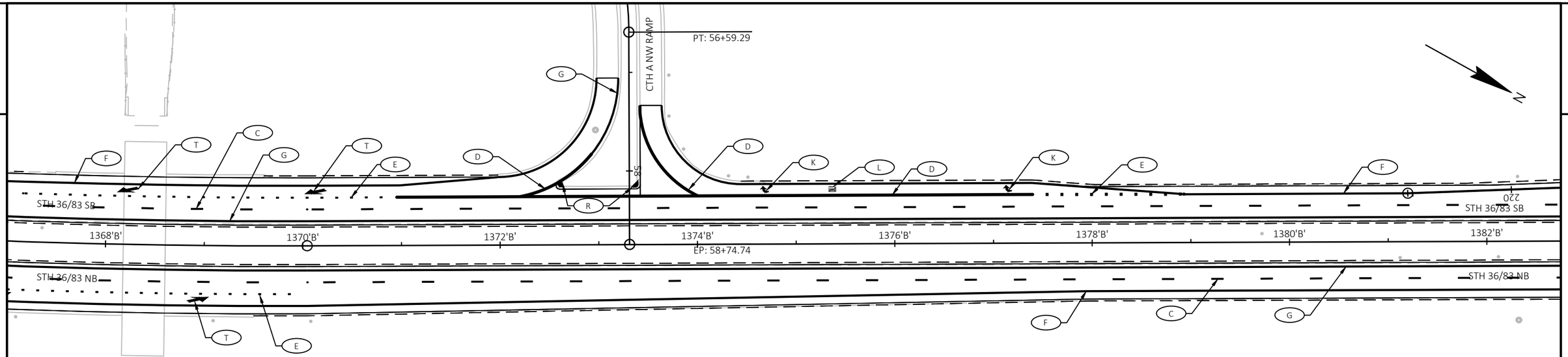
LEGEND

- C MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F MARKING LINE EPOXY 4-INCH (WHITE)
- G MARKING LINE EPOXY 4-INCH (YELLOW)
- J MARKING LINE EPOXY 8-INCH (WHITE)
- K MARKING ARROW EPOXY (TYPE 2)
- L MARKING WORD EPOXY (ONLY)
- M MARKING STOP LINE EPOXY 18-INCH
- N MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O MARKING YIELD LINE EPOXY 18-INCH
- P MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R MARKING ISLAND NOSE EPOXY
- S MARKING CURB EPOXY
- T MARKING ARROW EPOXY (TYPE 5)
- U MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN



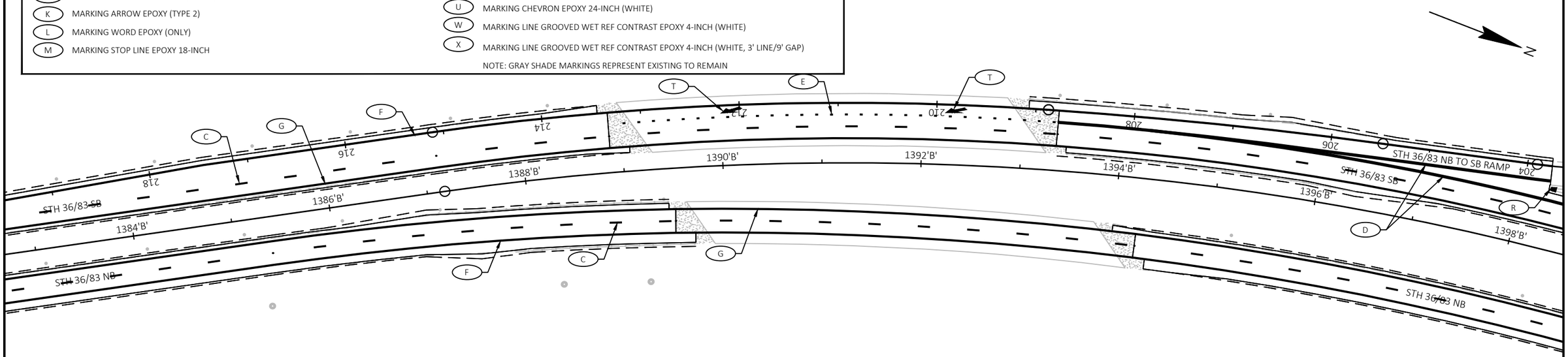
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 192	E



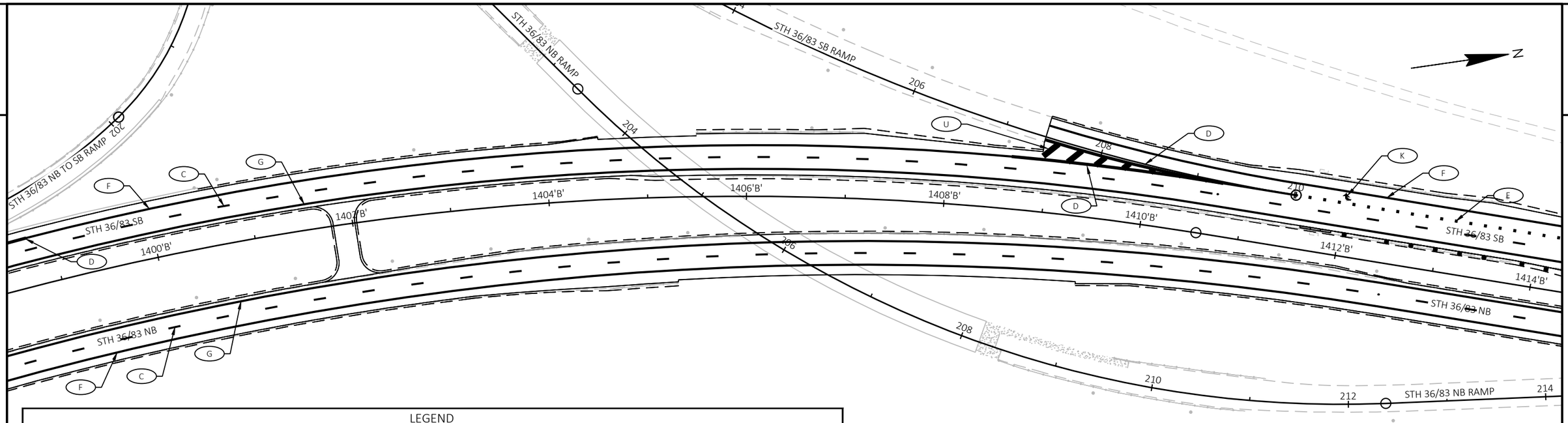
LEGEND

- C MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F MARKING LINE EPOXY 4-INCH (WHITE)
- G MARKING LINE EPOXY 4-INCH (YELLOW)
- J MARKING LINE EPOXY 8-INCH (WHITE)
- K MARKING ARROW EPOXY (TYPE 2)
- L MARKING WORD EPOXY (ONLY)
- M MARKING STOP LINE EPOXY 18-INCH
- N MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O MARKING YIELD LINE EPOXY 18-INCH
- P MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R MARKING ISLAND NOSE EPOXY
- S MARKING CURB EPOXY
- T MARKING ARROW EPOXY (TYPE 5)
- U MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN



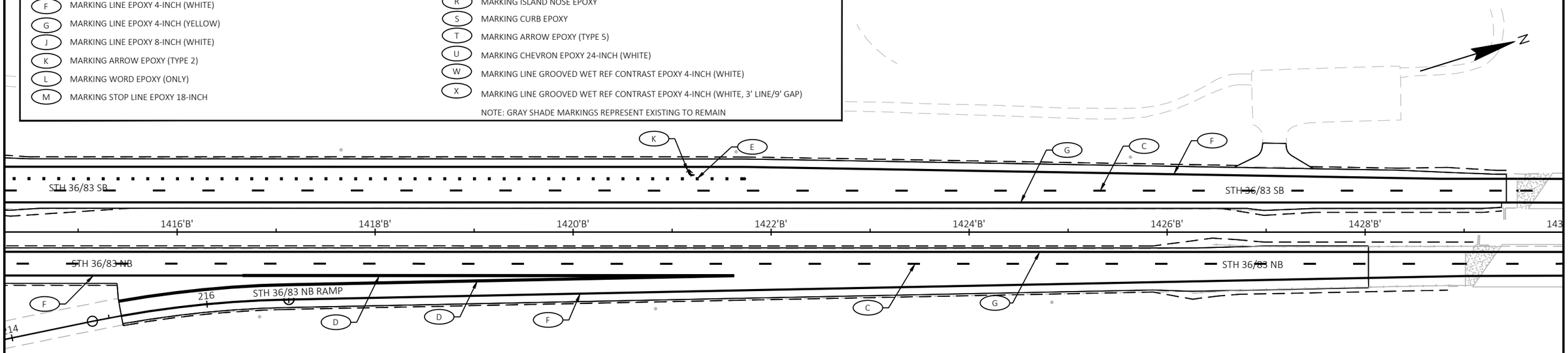
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 193	E



LEGEND

- C MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F MARKING LINE EPOXY 4-INCH (WHITE)
- G MARKING LINE EPOXY 4-INCH (YELLOW)
- J MARKING LINE EPOXY 8-INCH (WHITE)
- K MARKING ARROW EPOXY (TYPE 2)
- L MARKING WORD EPOXY (ONLY)
- M MARKING STOP LINE EPOXY 18-INCH
- N MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O MARKING YIELD LINE EPOXY 18-INCH
- P MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R MARKING ISLAND NOSE EPOXY
- S MARKING CURB EPOXY
- T MARKING ARROW EPOXY (TYPE 5)
- U MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN

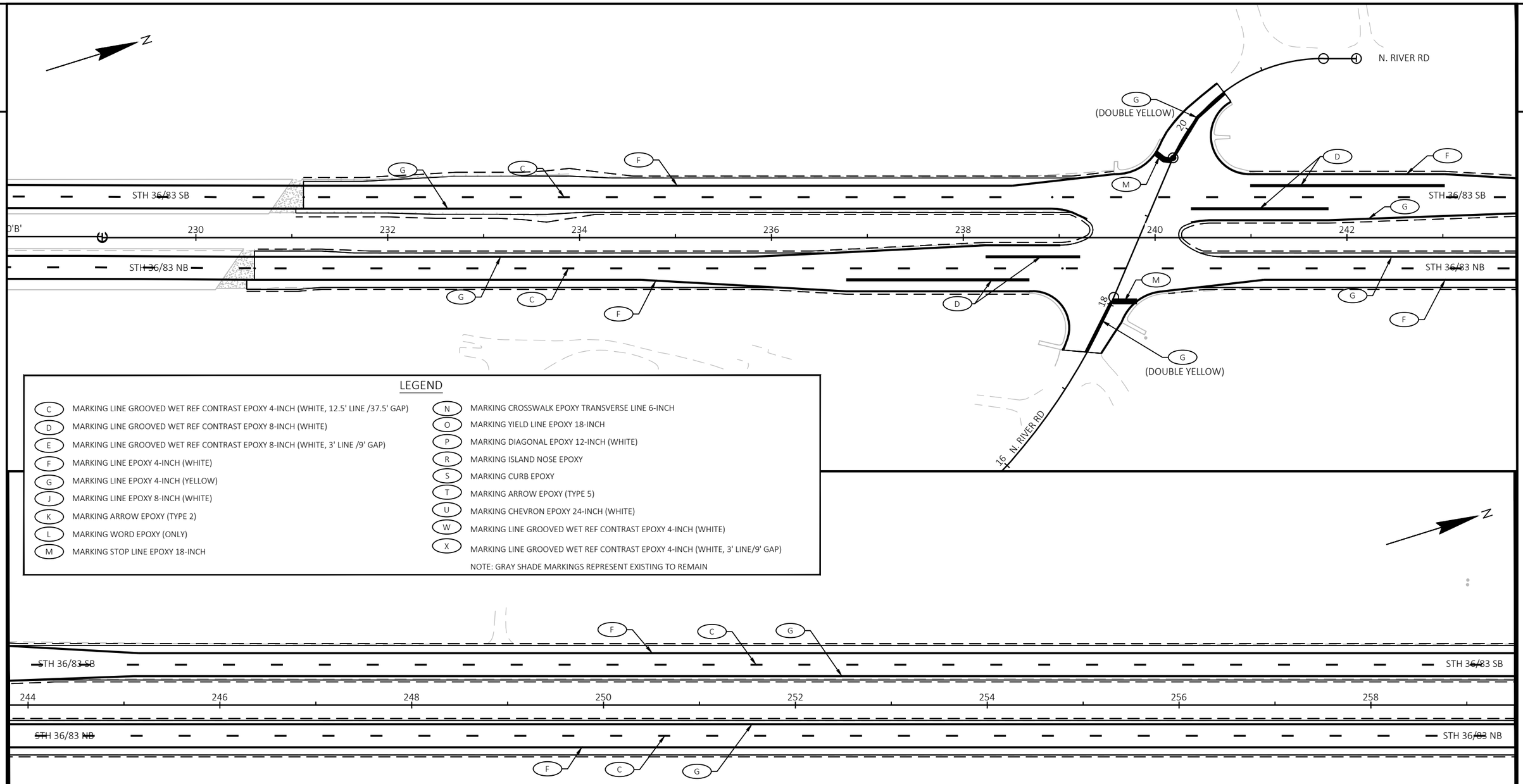


PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 194	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 10

PLOT DATE : 1/31/2022 1:07 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

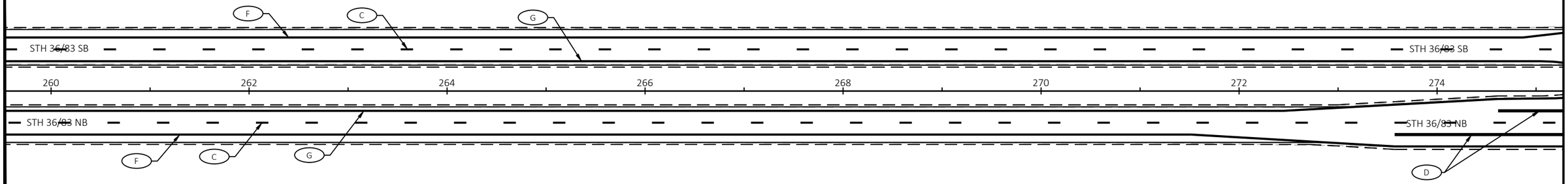


LEGEND

- (C) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- (D) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- (E) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- (F) MARKING LINE EPOXY 4-INCH (WHITE)
- (G) MARKING LINE EPOXY 4-INCH (YELLOW)
- (J) MARKING LINE EPOXY 8-INCH (WHITE)
- (K) MARKING ARROW EPOXY (TYPE 2)
- (L) MARKING WORD EPOXY (ONLY)
- (M) MARKING STOP LINE EPOXY 18-INCH
- (N) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (O) MARKING YIELD LINE EPOXY 18-INCH
- (P) MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- (R) MARKING ISLAND NOSE EPOXY
- (S) MARKING CURB EPOXY
- (T) MARKING ARROW EPOXY (TYPE 5)
- (U) MARKING CHEVRON EPOXY 24-INCH (WHITE)
- (W) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- (X) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN

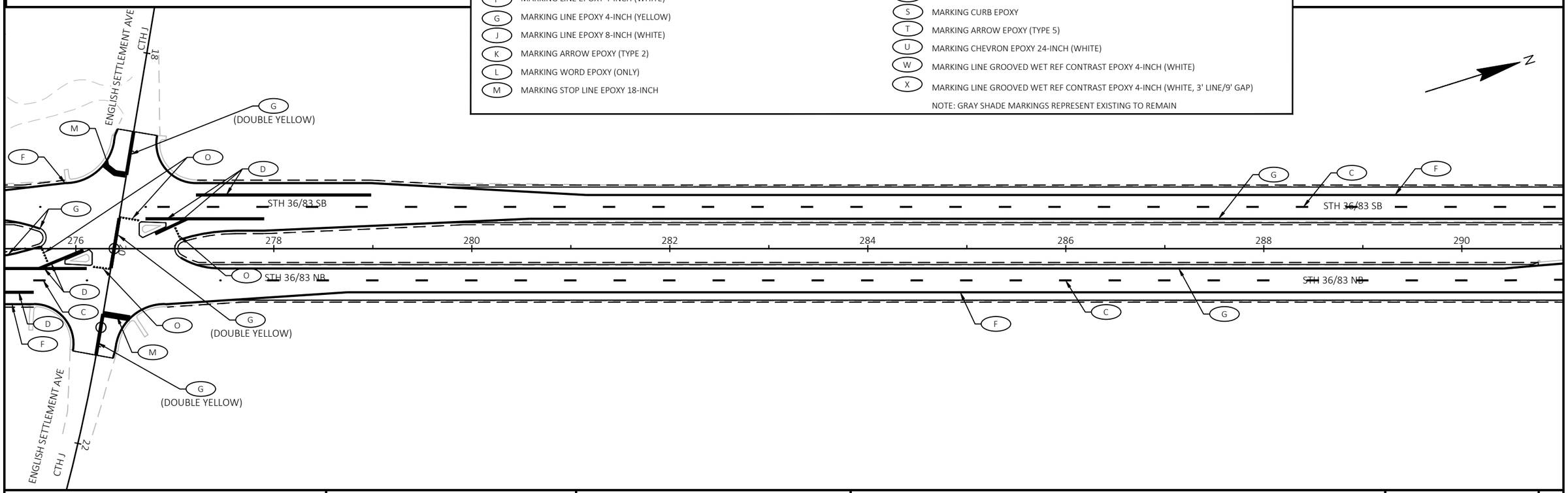
2



LEGEND

- C — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D — MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F — MARKING LINE EPOXY 4-INCH (WHITE)
- G — MARKING LINE EPOXY 4-INCH (YELLOW)
- J — MARKING LINE EPOXY 8-INCH (WHITE)
- K — MARKING ARROW EPOXY (TYPE 2)
- L — MARKING WORD EPOXY (ONLY)
- M — MARKING STOP LINE EPOXY 18-INCH
- N — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O — MARKING YIELD LINE EPOXY 18-INCH
- P — MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R — MARKING ISLAND NOSE EPOXY
- S — MARKING CURB EPOXY
- T — MARKING ARROW EPOXY (TYPE 5)
- U — MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

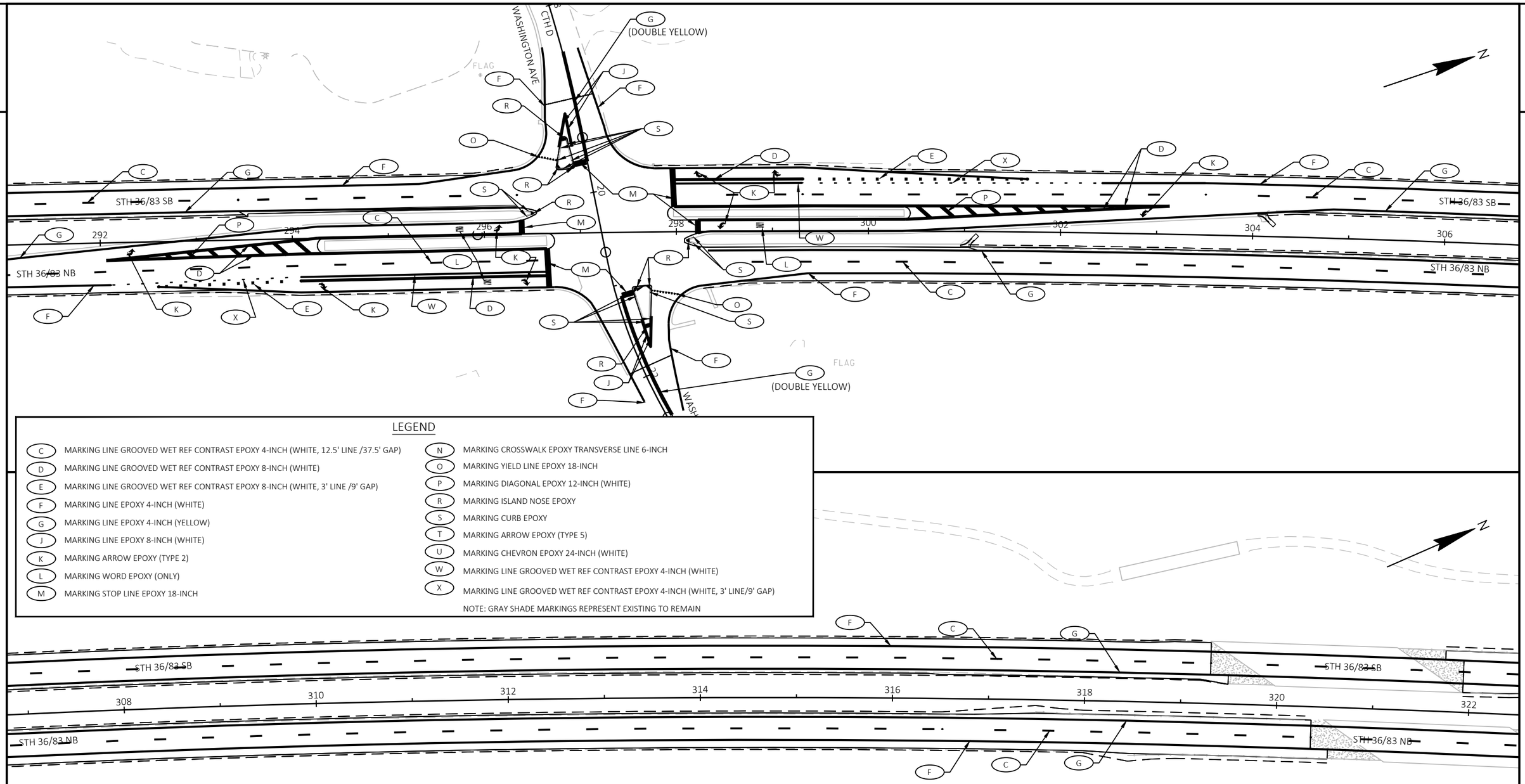
NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 196	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 12

PLOT DATE : 1/31/2022 1:08 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:100 FT



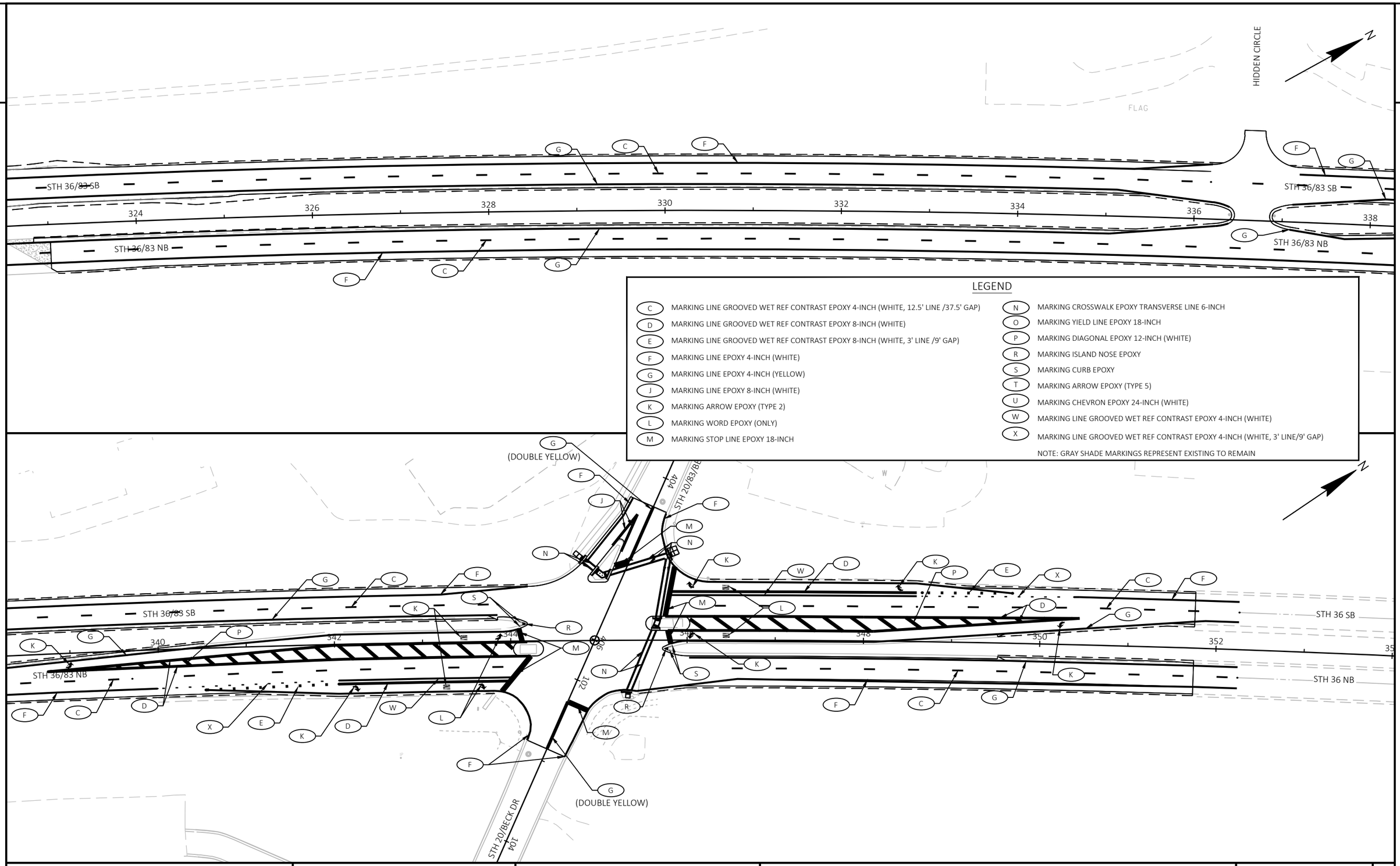
LEGEND

- C — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D — MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F — MARKING LINE EPOXY 4-INCH (WHITE)
- G — MARKING LINE EPOXY 4-INCH (YELLOW)
- J — MARKING LINE EPOXY 8-INCH (WHITE)
- K — MARKING ARROW EPOXY (TYPE 2)
- L — MARKING WORD EPOXY (ONLY)
- M — MARKING STOP LINE EPOXY 18-INCH
- N — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O — MARKING YIELD LINE EPOXY 18-INCH
- P — MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R — MARKING ISLAND NOSE EPOXY
- S — MARKING CURB EPOXY
- T — MARKING ARROW EPOXY (TYPE 5)
- U — MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 197	E

2



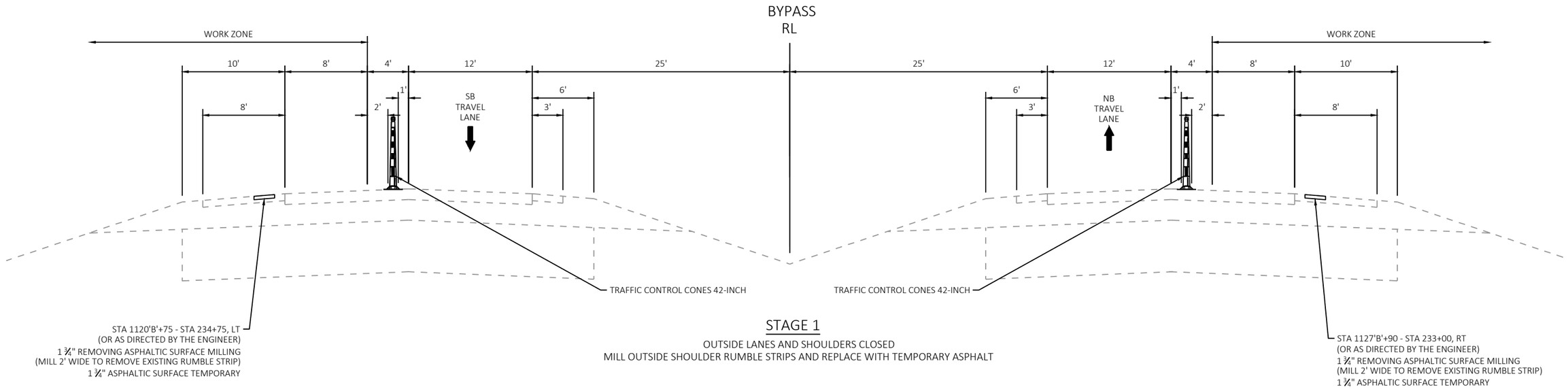
LEGEND

- C — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 12.5' LINE /37.5' GAP)
- D — MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- E — MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE, 3' LINE /9' GAP)
- F — MARKING LINE EPOXY 4-INCH (WHITE)
- G — MARKING LINE EPOXY 4-INCH (YELLOW)
- J — MARKING LINE EPOXY 8-INCH (WHITE)
- K — MARKING ARROW EPOXY (TYPE 2)
- L — MARKING WORD EPOXY (ONLY)
- M — MARKING STOP LINE EPOXY 18-INCH
- N — MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- O — MARKING YIELD LINE EPOXY 18-INCH
- P — MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- R — MARKING ISLAND NOSE EPOXY
- S — MARKING CURB EPOXY
- T — MARKING ARROW EPOXY (TYPE 5)
- U — MARKING CHEVRON EPOXY 24-INCH (WHITE)
- W — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- X — MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE, 3' LINE/9' GAP)

NOTE: GRAY SHADE MARKINGS REPRESENT EXISTING TO REMAIN

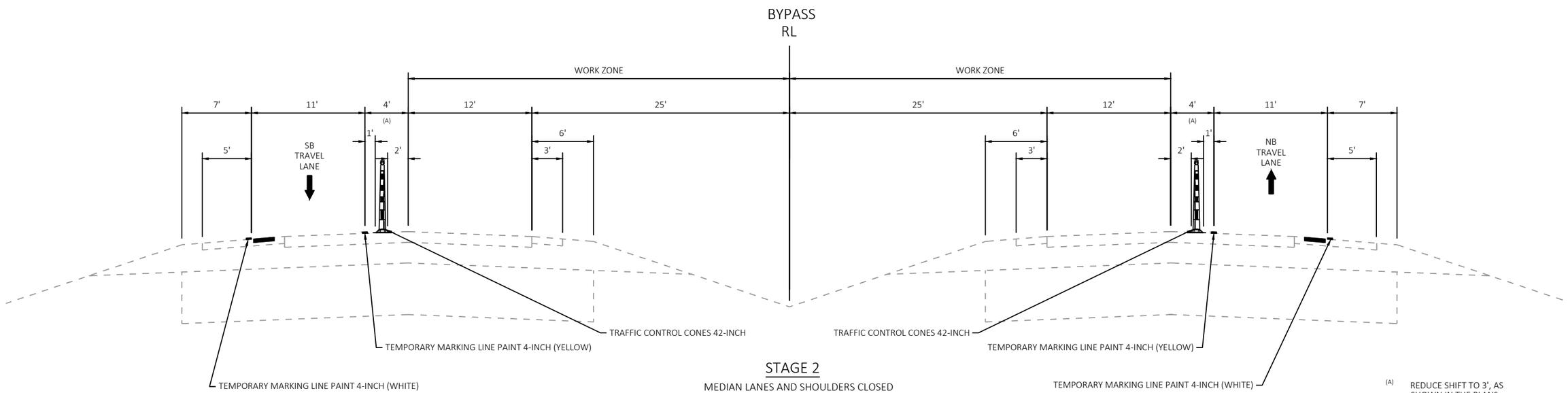
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	PAVEMENT MARKING	SHEET 198	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 14
PLOT DATE : 1/31/2022 1:08 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



STAGE 1

OUTSIDE LANES AND SHOULDERS CLOSED
MILL OUTSIDE SHOULDER RUMBLE STRIPS AND REPLACE WITH TEMPORARY ASPHALT

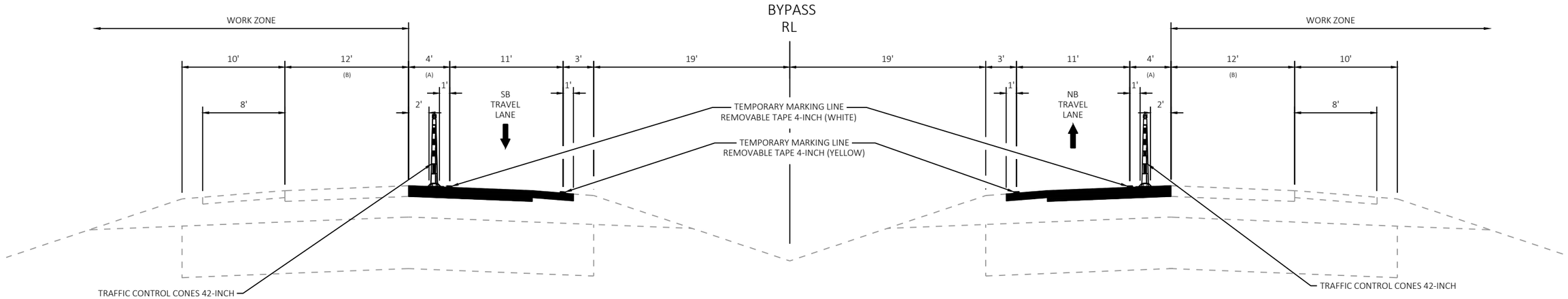


STAGE 2

MEDIAN LANES AND SHOULDERS CLOSED
MILL AND PAVE MEDIAN LANES AND SHOULDERS
DO NOT INSTALL MEDIAN SHOULDER RUMBLE STRIPS

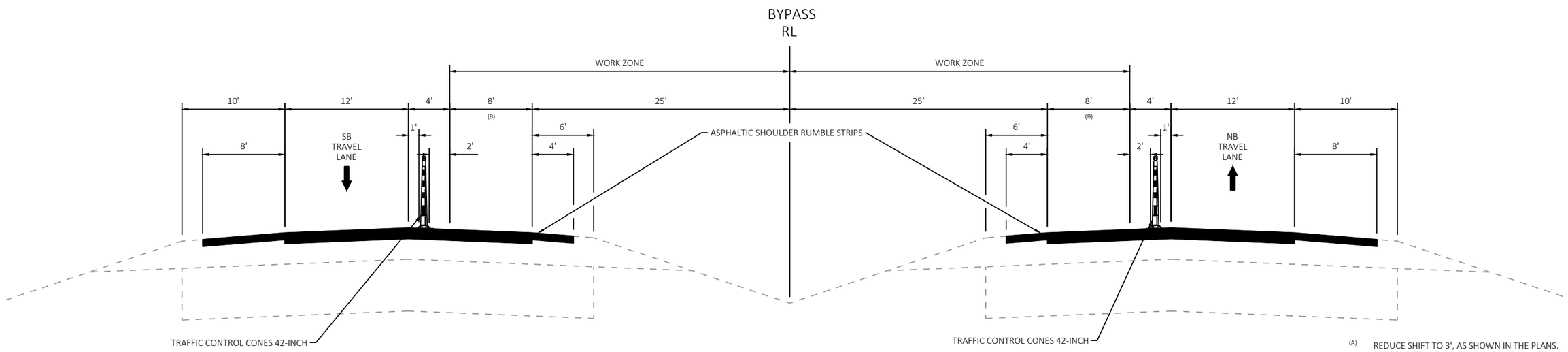
(A) REDUCE SHIFT TO 3', AS SHOWN IN THE PLANS. BUFFER BETWEEN WORK ZONE AND CONES WILL BE 1'.

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - TYPICAL SECTIONS	SHEET 199	E



STAGE 3

OUTSIDE LANES AND SHOULDERS CLOSED
MILL AND PAVE OUTSIDE LANES AND SHOULDERS
INSTALL RUMBLE STRIPS AND PAVEMENT MARKING



STAGE 4

CLOSE MEDIAN LANES AND SHOULDERS
INSTALL RUMBLE STRIPS AND PAVEMENT MARKINGS

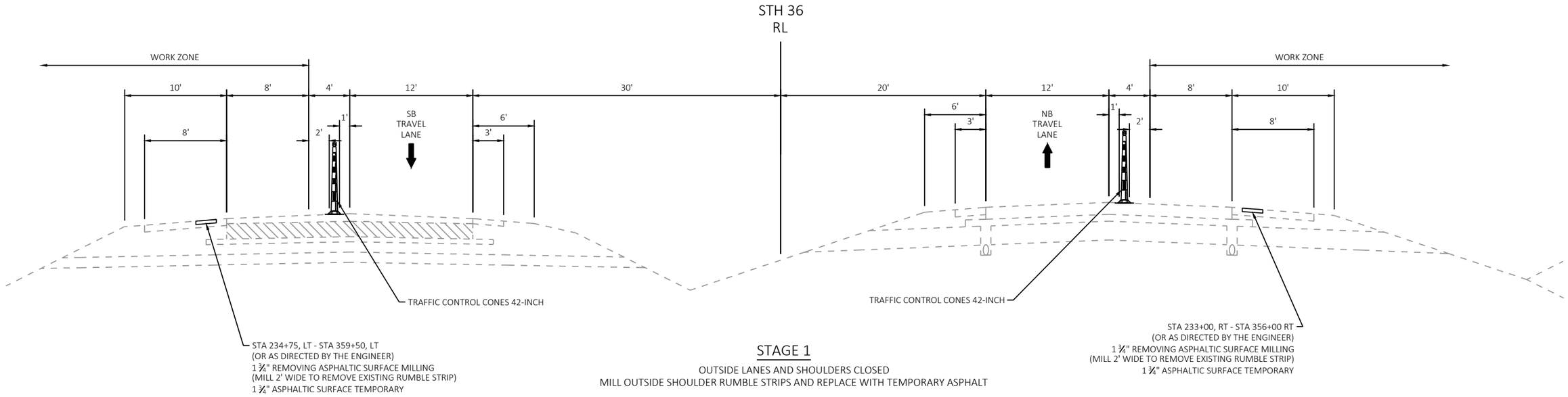
(A) REDUCE SHIFT TO 3', AS SHOWN IN THE PLANS. BUFFER BETWEEN WORK ZONE AND CONES WILL BE 1'

(B) PORTIONS OF THE PERMANENT PAVEMENT MARKINGS AND RUMBLE STRIPS FROM STATION 1378'B'+00 - STA 1430'B'+00, RT AND STA 1426'B'+00 - STA 1430'B'+00, LT WILL NEED TO BE DONE WHEN WORK ON THE STH 36 SEGMENT OCCURS TO AVOID CONFLICTS WITH TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS.

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - TYPICAL SECTIONS	SHEET 200	E

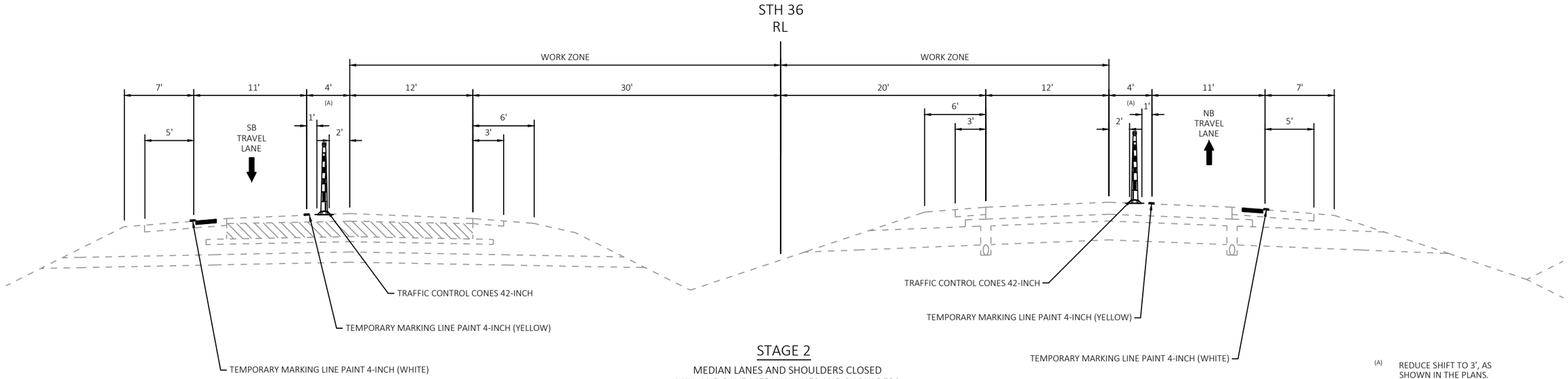
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\025200-TC.DWG
LAYOUT NAME - 02
PLOT DATE : 2/21/2022 3:25 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



STAGE 1

OUTSIDE LANES AND SHOULDERS CLOSED
MILL OUTSIDE SHOULDER RUMBLE STRIPS AND REPLACE WITH TEMPORARY ASPHALT



STAGE 2

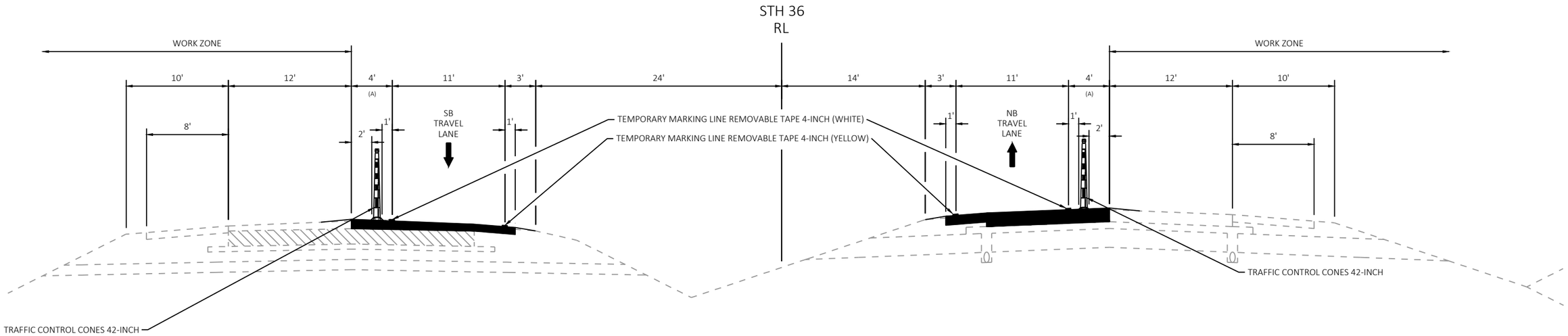
MEDIAN LANES AND SHOULDERS CLOSED
MILL AND PAVE MEDIAN LANES AND SHOULDERS
DO NOT INSTALL MEDIAN SHOULDER RUMBLE STRIPS

(A) REDUCE SHIFT TO 3', AS SHOWN IN THE PLANS. BUFFER BETWEEN WORK ZONE AND CONES WILL BE 1'.

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - TYPICAL SECTIONS	SHEET 201	E

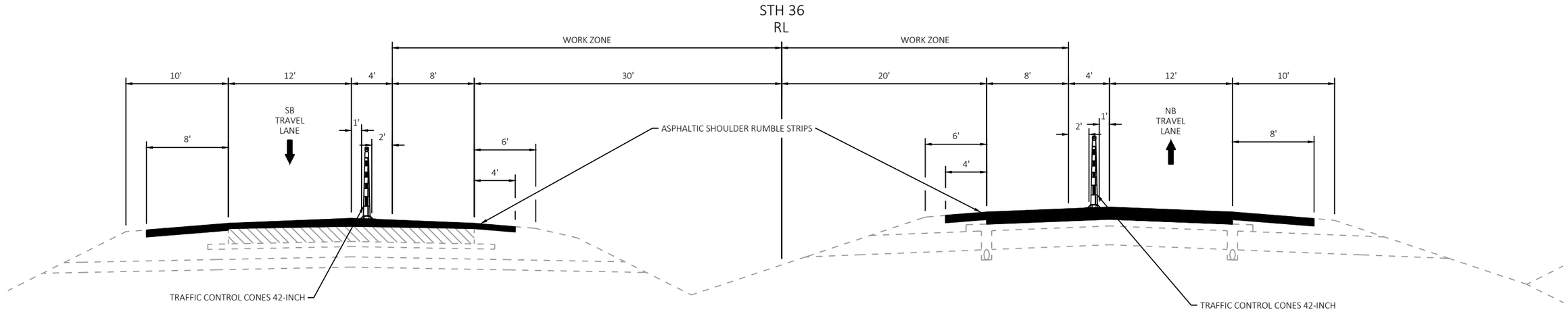
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\025200-TC.DWG
LAYOUT NAME - 03
PLOT DATE : 2/21/2022 3:25 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



STAGE 3

OUTSIDE LANES AND SHOULDERS CLOSED
MILL AND PAVE OUTSIDE LANES AND SHOULDERS
INSTALL RUMBLE STRIPS AND PAVEMENT MARKING



STAGE 4

CLOSE MEDIAN LANES AND SHOULDERS
INSTALL RUMBLE STRIPS AND PAVEMENT MARKINGS

(A) REDUCE SHIFT TO 3', AS SHOWN IN THE PLANS. BUFFER BETWEEN WORK ZONE AND CONES WILL BE 1'.

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - TYPICAL SECTIONS	SHEET 202	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\025200-TC.DWG
LAYOUT NAME - 04
PLOT DATE : 2/21/2022 3:25 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

2

BURLINGTON

N

CTH DD

CTH JS

STH 11

STH 36

STH 36

STH 11

STH 36

STH 36

STH 11

STH 36

SPRING VALLEY RD

STH 11/36

CTH P/ MCHENRY ST

1100'B'

STH 11/36

S PINE ST.

YAHNKE SPUR

LEGEND:

SIGN ON PERMANENT SUPPORT (SINGLE POST)

BP PLACE SIGN DURING BYPASS SECTION CONSTRUCTION

36 PLACE SIGN DURING STH 36 SECTION CONSTRUCTION

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 WIDTH RESTRICTION ADVANCED SIGNING	SHEET 203	E

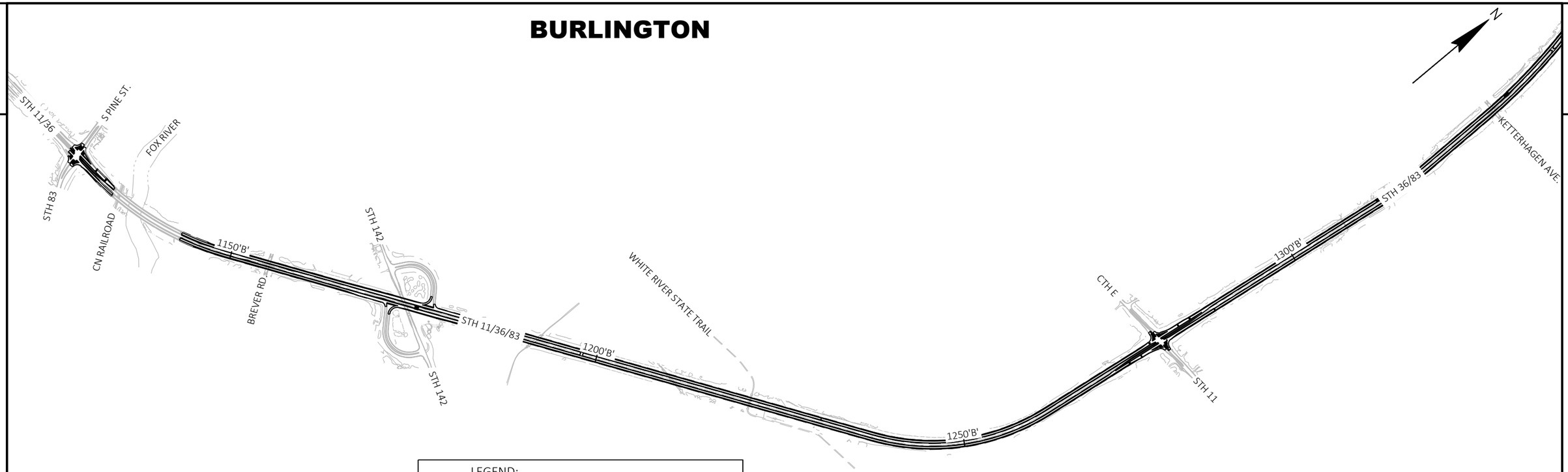
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026100-S2 (WIDTH RESTRICTIONS).DWG
LAYOUT NAME - 01

PLOT DATE : 1/27/2022 10:00 AM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:1300 FT

WISDOT/CADDS SHEET 42

2

BURLINGTON

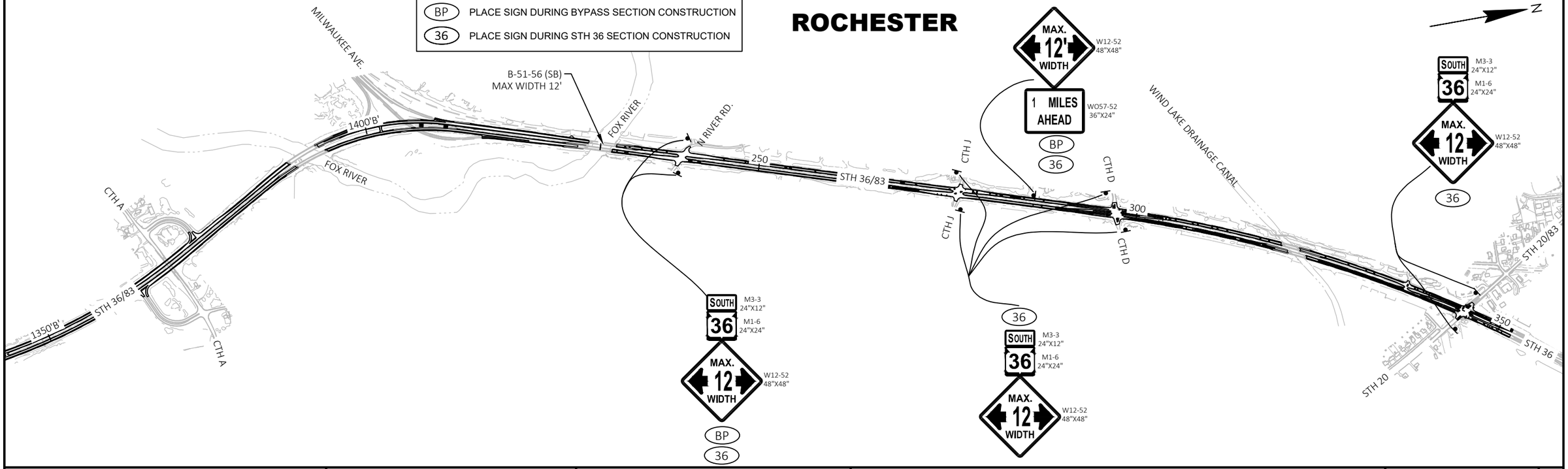


2

LEGEND:

- SIGN ON PERMANENT SUPPORT (SINGLE POST)
- BP — PLACE SIGN DURING BYPASS SECTION CONSTRUCTION
- 36 — PLACE SIGN DURING STH 36 SECTION CONSTRUCTION

ROCHESTER



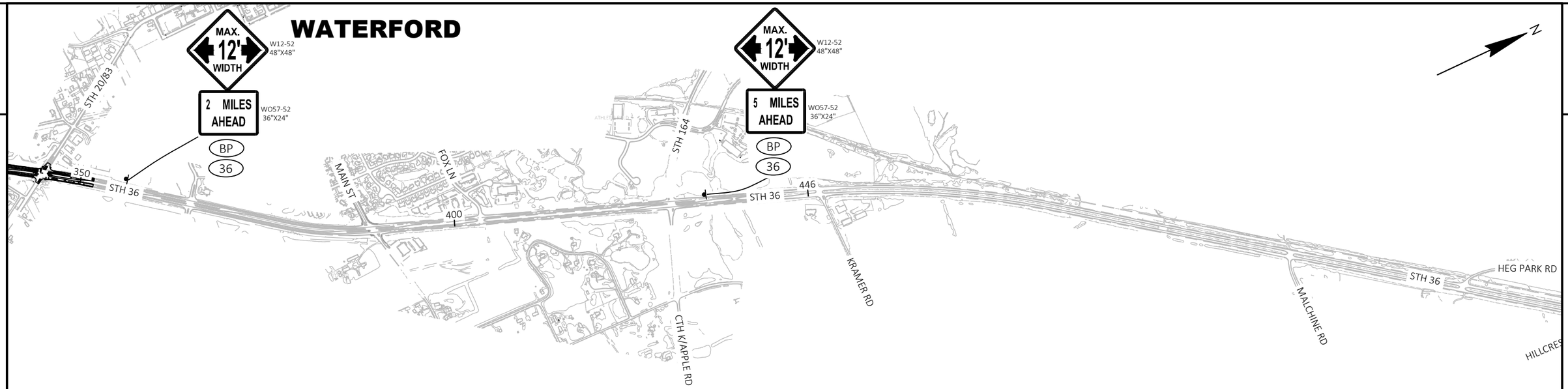
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 WIDTH RESTRICTION ADVANCED SIGNING	SHEET 204	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026100-S2 (WIDTH RESTRICTIONS).DWG
LAYOUT NAME - 02

PLOT DATE : 1/27/2022 10:01 AM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:1300 FT

WISDOT/CADDS SHEET 42

WATERFORD



LEGEND:

- SIGN ON PERMANENT SUPPORT (SINGLE POST)
- (BP) PLACE SIGN DURING BYPASS SECTION CONSTRUCTION
- (36) PLACE SIGN DURING STH 36 SECTION CONSTRUCTION

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 WIDTH RESTRICTION ADVANCED SIGNING	SHEET 205	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026100-S2 (WIDTH RESTRICTIONS).DWG
LAYOUT NAME - 03

PLOT DATE : 1/27/2022 10:01 AM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

2

BURLINGTON

LEGEND:

- SIGN ON PERMANENT SUPPORT (SINGLE POST)
- (BP) PLACE SIGN DURING BYPASS SECTION CONSTRUCTION
- (36) PLACE SIGN DURING STH 36 SECTION CONSTRUCTION

CTH DD
CTH JS
STH 11
STH 36
STH 36
STH 11

MAX. 12' WIDTH — W12-52 48"X48"
2.5 MILES AHEAD — WO57-52 36"X24"
BP

BURLINGTON

N

STH 11
STH 36
STH 36
SPRING VALLEY RD
STH 36

NORTH 36 — M3-1 24"X12", M1-6 24"X24"
MAX. 12' WIDTH — W12-52 48"X48"
BP

STH 11/36
CTH P/ MCHENRY ST

MAX. 12' WIDTH — W12-52 48"X48"
1.5 MILES AHEAD — WO57-52 36"X24"
BP

1100'B'
STH 11/36
S PINE ST.
YAHNKE SPUR

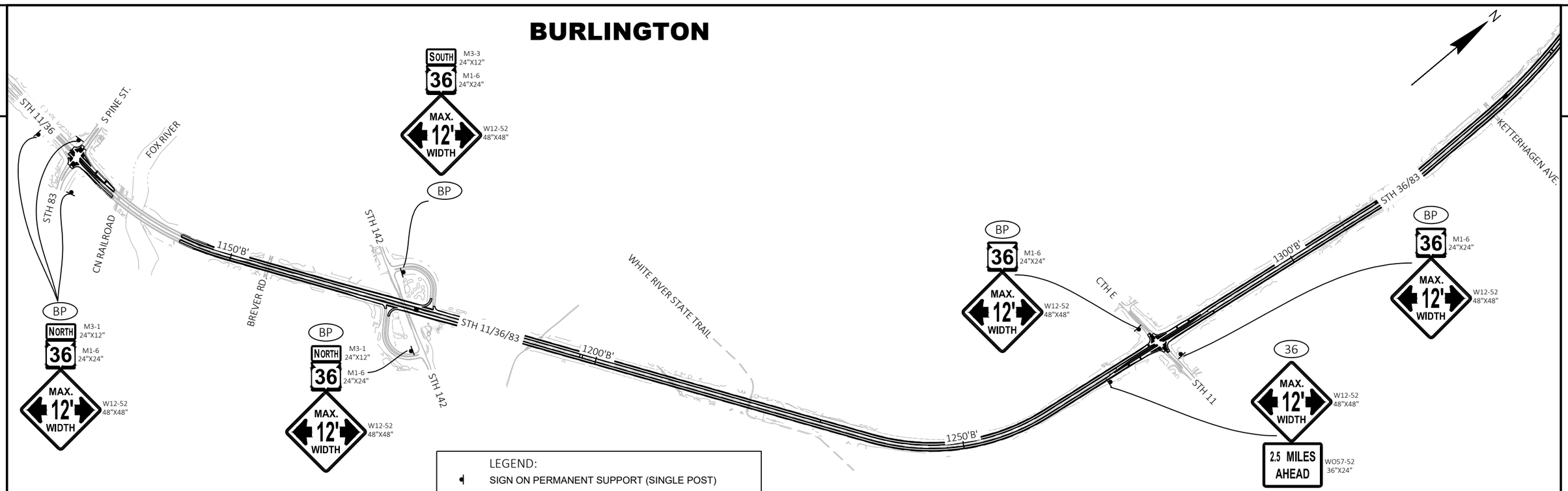
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 WIDTH RESTRICTION ADVANCED SIGNING	SHEET 206	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026200-S3 (WIDTH RESTRICTIONS).DWG
LAYOUT NAME - 01

PLOT DATE : 1/28/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:1300 FT

WISDOT/CADDS SHEET 42

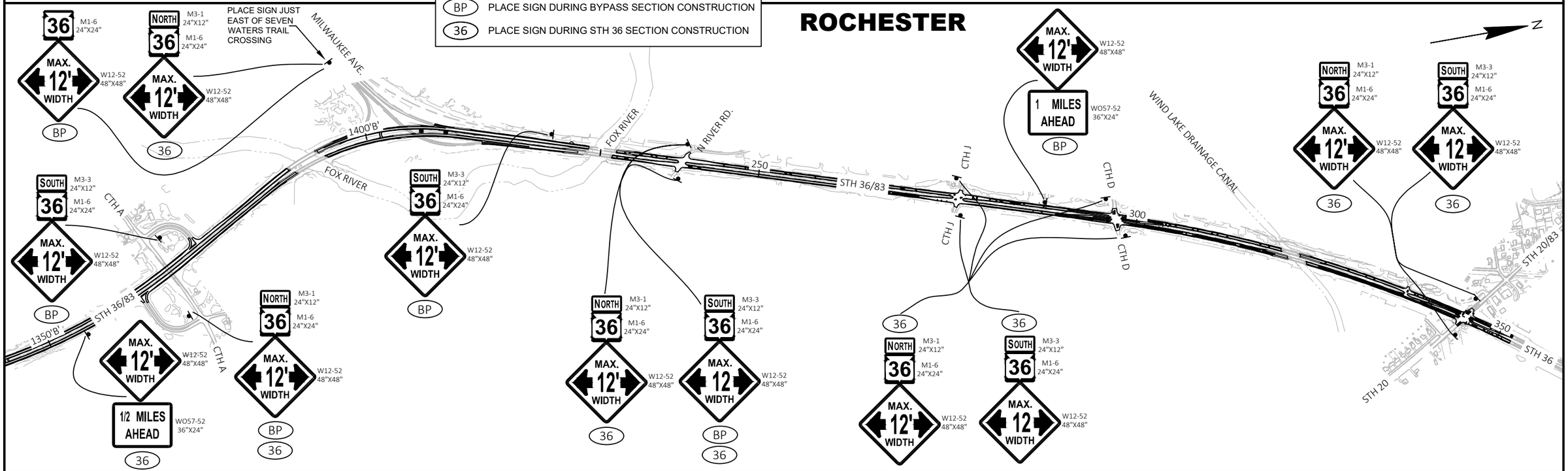
BURLINGTON



LEGEND:

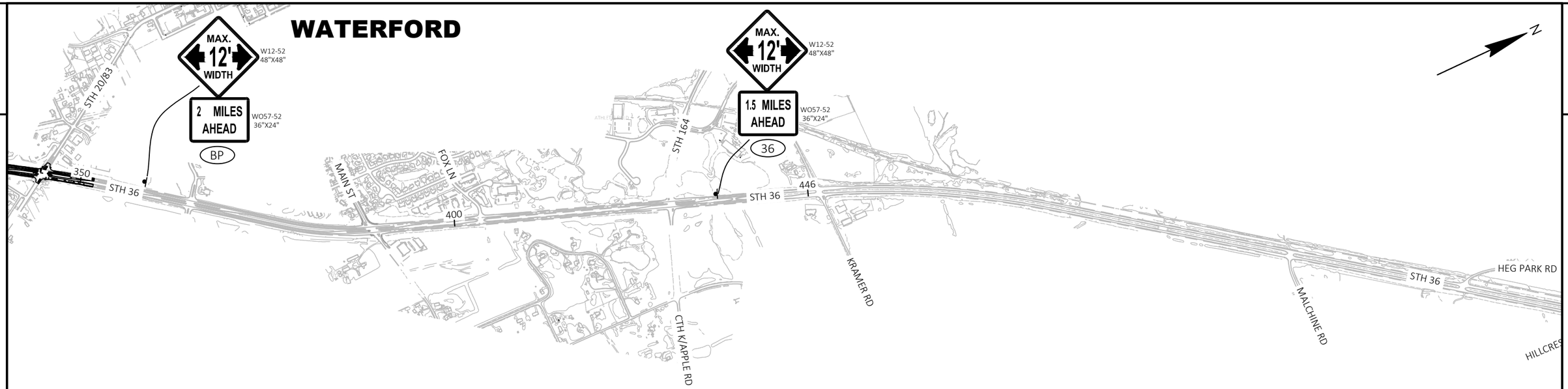
- SIGN ON PERMANENT SUPPORT (SINGLE POST)
- (BP) PLACE SIGN DURING BYPASS SECTION CONSTRUCTION
- (36) PLACE SIGN DURING STH 36 SECTION CONSTRUCTION

ROCHESTER



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 WIDTH RESTRICTION ADVANCED SIGNING	SHEET 207	E

WATERFORD



LEGEND:

- SIGN ON PERMANENT SUPPORT (SINGLE POST)
- (BP) PLACE SIGN DURING BYPASS SECTION CONSTRUCTION
- (36) PLACE SIGN DURING STH 36 SECTION CONSTRUCTION

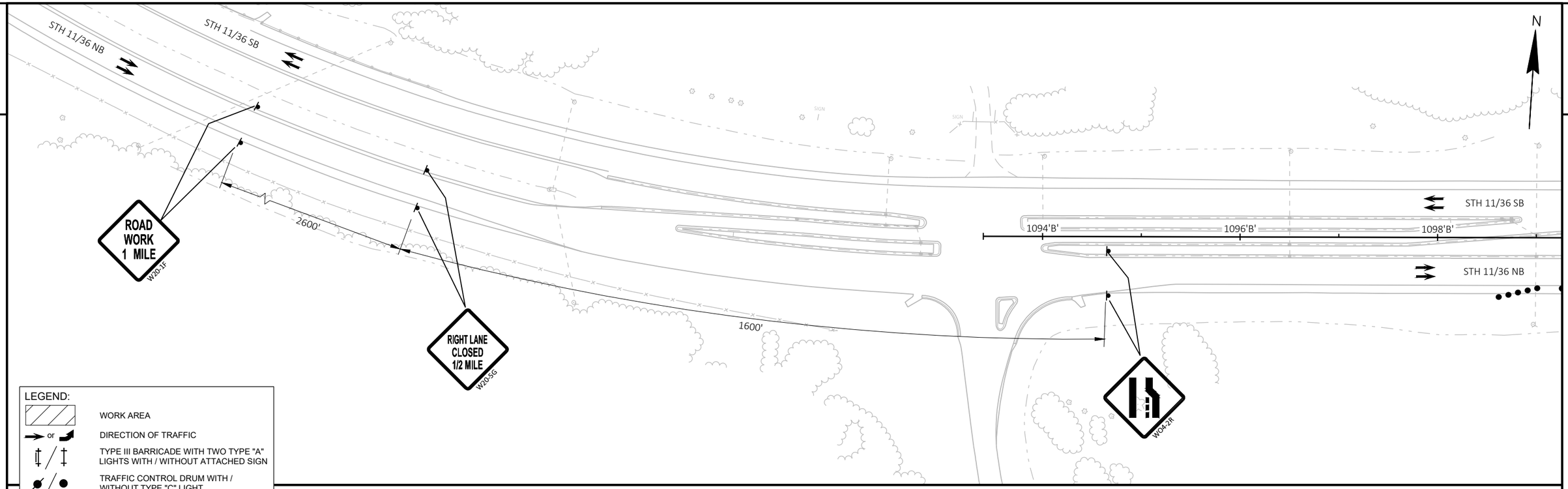
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 WIDTH RESTRICTION ADVANCED SIGNING	SHEET 208	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026200-S3 (WIDTH RESTRICTIONS).DWG
LAYOUT NAME - 03

PLOT DATE : 1/28/2022 3:26 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : ############

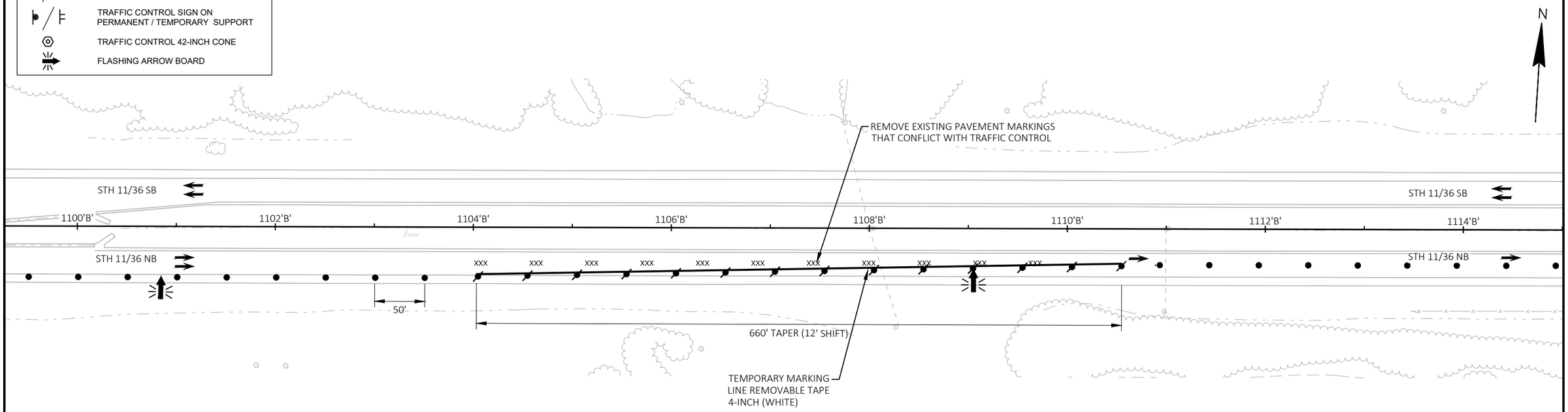
WISDOT/CADDS SHEET 42

2



LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 209	E

2

N

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

S. PINE ST

354

END ROAD WORK
G20-2A
48"X24"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

50'

STH 11/36/83 SB

STH 11/36 SB

1116'B' 1118'B' 1120'B' 1122'B' 1124'B'

1126'B' 1128'B' 1130'B'

STH 11/36 NB

STH 11/36/83 NB

25'

25'

352

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

STH 83/S. PINE ST

ROAD WORK AHEAD
W20-1A

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

CN RAILROAD

FOX RIVER

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 11/36/83 SB

1132'B' 1134'B' 1136'B' 1138'B' 1140'B' 1142'B' 1144'B' 1146'B'

STH 11/36/83 NB

50'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

CN RAILROAD

FOX RIVER

N

2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 210	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 01

PLOT DATE : 2/28/2022 4:09 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BREVER ROAD

STH 11/36/83 SB

1148'B' 1150'B' 1152'B' 1154'B' 1156'B' 1158'B' 1160'B' 1162'B'

STH 11/36/83 NB

50'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BREVER ROAD

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

300' TAPER (12' SHIFT)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TRAFFIC CONTROL

900'

BUSHNELL RD/STH 142

ROAD WORK AHEAD W20-1A
(PLACE 1000' IN ADVANCE OF GORE)

WO4-5
48"X48"
(PLACE 500' IN ADVANCE OF GORE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

STH 142 NE RAMP

END ROAD WORK
G20-2A
48"X24"

STH 11/36/83 SB

1164'B' 1166'B' 1168'B' 1170'B' 1172'B' 1174'B' 1176'B'

STH 11/36/83 NB

50' 200' 350'

WO4-1R

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

EXIT
E5-1
72"X60"

END ROAD WORK
G20-2A
48"X24"

STH 142 SW RAMP

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

900'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

WO4-5
48"X48"
(PLACE 500' IN ADVANCE OF GORE)

ROAD WORK AHEAD W20-1A
(PLACE 1000' IN ADVANCE OF GORE)

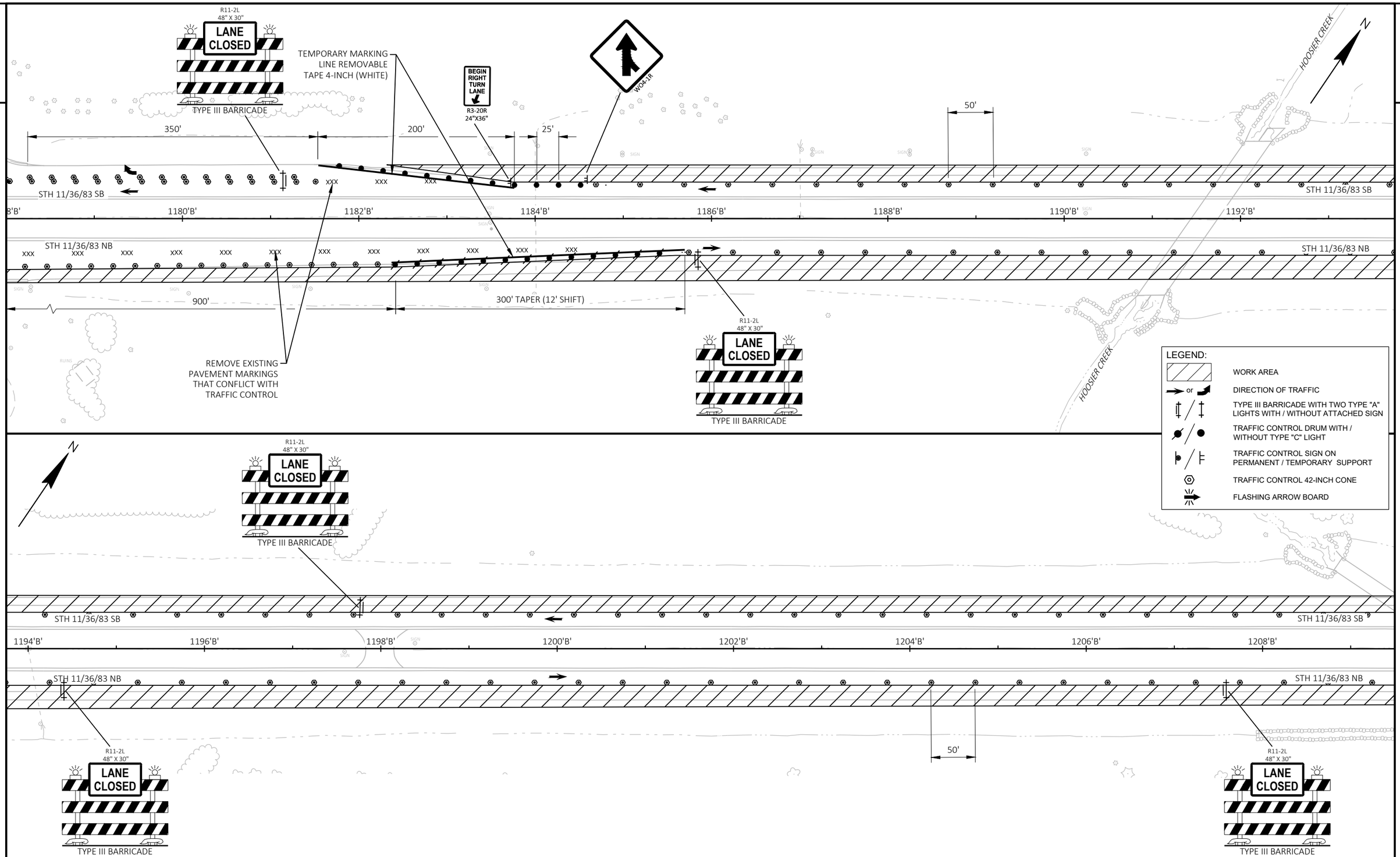
TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH 3' LINE, 9' GAP (WHITE)

25'

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 211	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 02
PLOT DATE : 2/28/2022 4:09 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 212 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 03
PLOT DATE : 2/28/2022 4:10 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50'

WHITE RIVER STATE TRAIL

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 11/36/83 SB

1210'B' 1212'B' 1214'B' 1216'B' 1218'B' 1220'B' 1222'B' 1224'B'

STH 11/36/83 NB

STH 11/36/83 SB

STH 11/36/83 NB

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WHITE RIVER STATE TRAIL

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 11/36/83 SB

1226'B' 1228'B' 1230'B' 1232'B' 1234'B' 1236'B' 1238'B' 1240'B'

STH 11/36/83 NB

STH 11/36/83 SB

STH 11/36/83 NB

50'

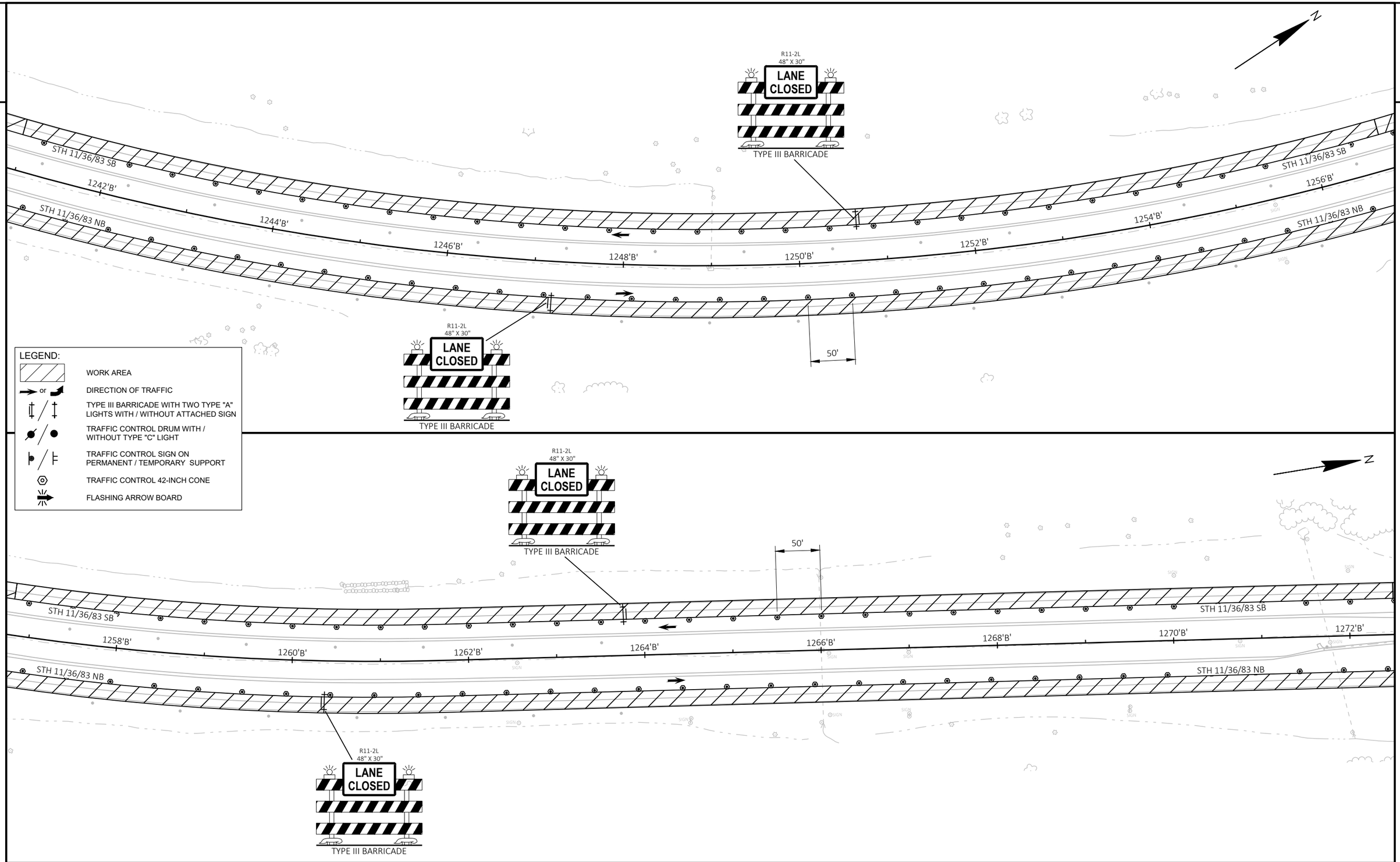
R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WHITE RIVER STATE TRAIL

2

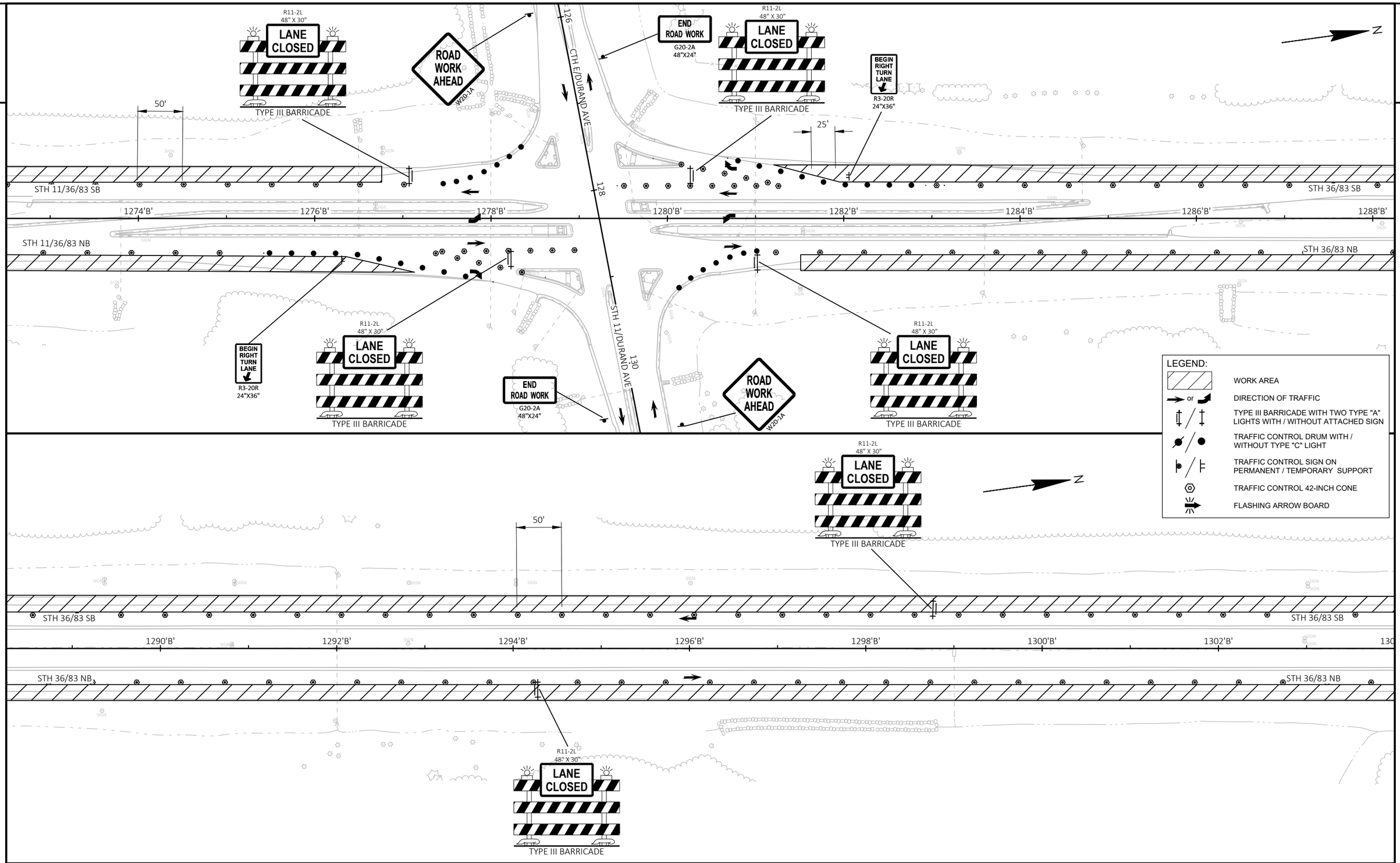
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 213	E

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 214	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 05
PLOT DATE : 2/28/2022 4:11 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



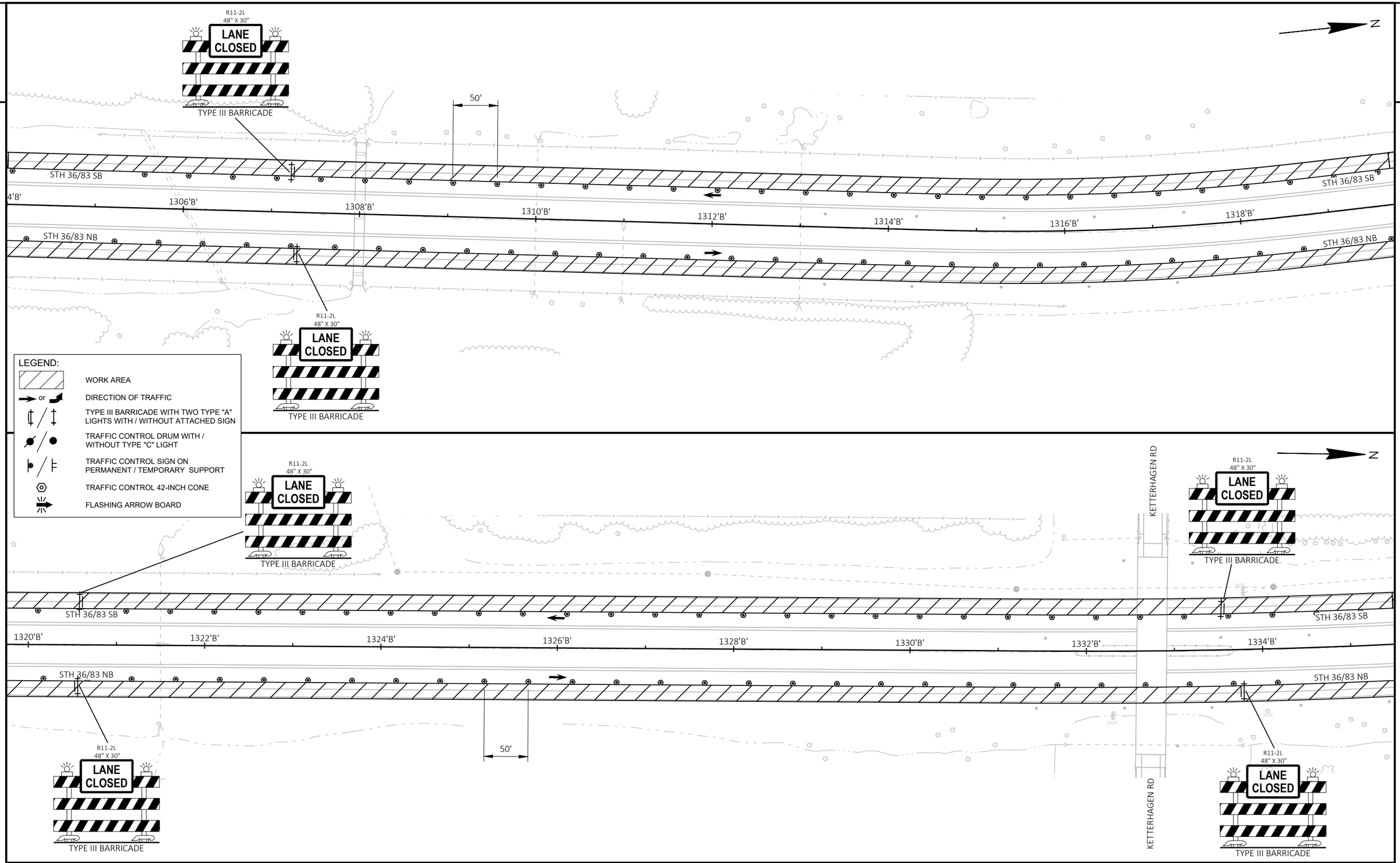
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 215	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 06

PLOT DATE : 2/28/2022 4:11 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 216	E

2

2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50'

STH 36/83 SB
1336'B'
1338'B'
1340'B'
1342'B'
1344'B'
1346'B'
1348'B'
1350'B'
STH 36/83 NB

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TRAFFIC CONTROL

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH 3' LINE, 9' GAP (WHITE)

300' TAPER (12' SHIFT)

900'

25'

STH 36/83 SB
1352'B'
1354'B'
1356'B'
1358'B'
1360'B'
1362'B'
1364'B'
1366'B'
STH 36/83 NB

24'

50'

200'

350'

900'

WO4-1R

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TRAFFIC CONTROL

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

EXIT
E5-1
72"X60"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

G20-2A
48"X24"
END ROAD WORK

CTH A SE RAMP

WO4-5
48"X48"
(PLACE 500' IN ADVANCE OF GORE)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

ROAD WORK AHEAD
W20-1A
(PLACE 1000' IN ADVANCE OF GORE)

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 217	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 08

PLOT DATE : 2/28/2022 4:12 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TRAFFIC CONTROL

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH 3' LINE, 9' GAP (WHITE)

CTH A/PLANK RD

ROAD WORK AHEAD W20-1A

(PLACE 1000' IN ADVANCE OF GORE)

WO4-5 48"X48"

(PLACE 500' IN ADVANCE OF GORE)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

CTH A NW RAMP

END ROAD WORK G20-2A 48"X24"

EXIT E5-1 72"X60"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TRAFFIC CONTROL

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

BEGIN RIGHT TURN LANE R3-20R 24"X36"

WO4-1R

900'

350'

200'

24'

STH 36/83 SB

STH 36/83 NB

1368'B' 1370'B' 1372'B' 1374'B' 1376'B' 1378'B' 1380'B' 1382'B'

900'

300' TAPER (12' SHIFT)

50'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

300' TAPER (12' SHIFT)

REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TRAFFIC CONTROL

600'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH 3' LINE, 9' GAP (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

300' SHIFT

12'

24'

STH 36/83 SB

STH 36/83 NB

STH 36/83 NB TO SB RAMP

1384'B' 1386'B' 1388'B' 1390'B' 1392'B' 1394'B' 1396'B' 1398'B'

50'

50'

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

FOX RIVER

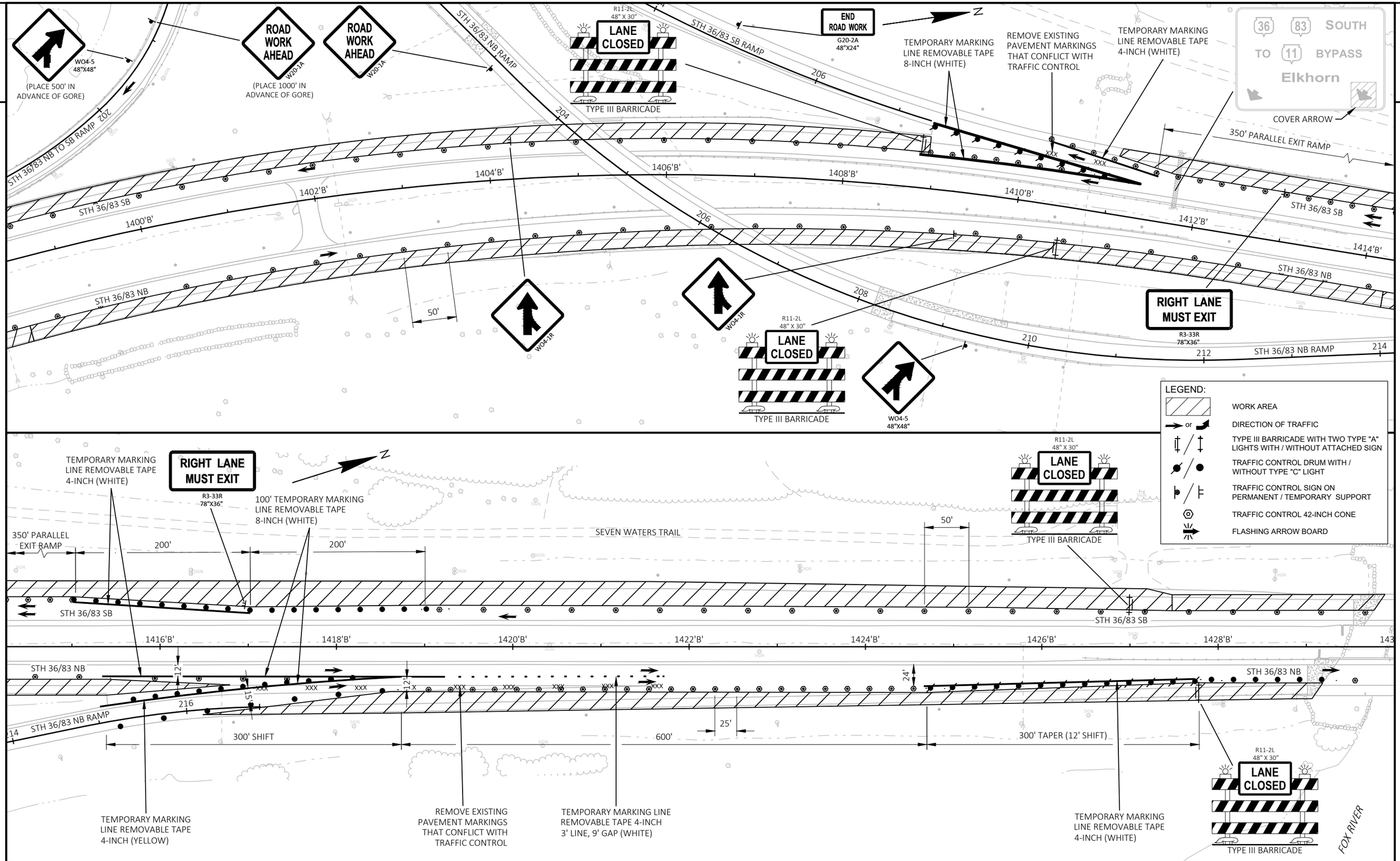
N

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 218	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 09

PLOT DATE : 2/28/2022 4:13 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 219	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 10
PLOT DATE : 2/28/2022 4:14 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

FOX RIVER

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

N. RIVER RD

END ROAD WORK
G20-2A
48"X24"

50'

STH 36/83 SB

STH 36/83 NB

D'B' 230 232 234 236 238 240 242

25'

20

18

16

STOP
R1-1
36"X36"
(AND TEMP STOP BAR)

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

660' TAPER (12' SHIFT)

REMOVE LANE LINE MARKING THAT CONFLICTS WITH TRAFFIC CONTROL

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

50'

STH 36/83 SB

244 246 248 250 252 254 256 258

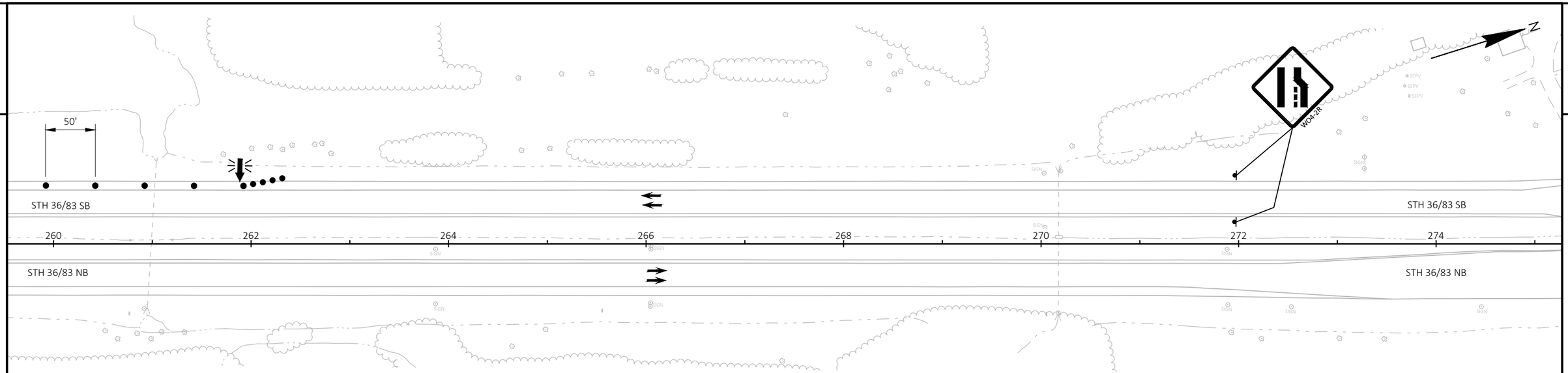
STH 36/83 NB

END ROAD WORK
G20-2A
48"X24"

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 220	E

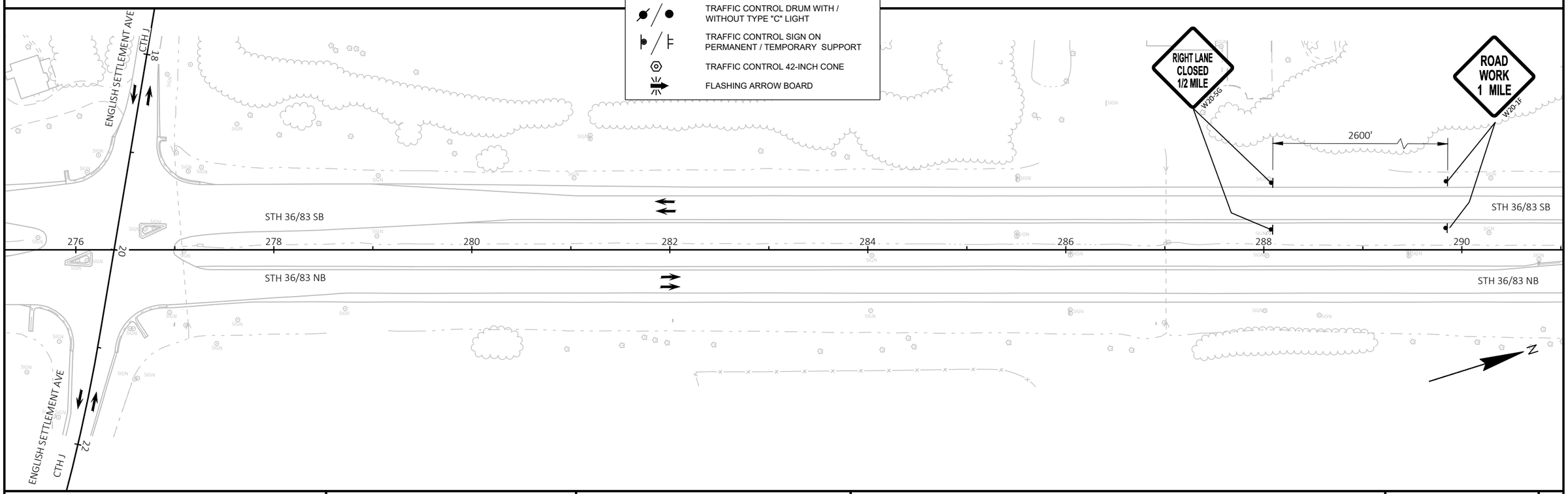
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 11
PLOT DATE : 2/28/2022 4:14 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC (→ or ↱)
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 1	SHEET 221	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 12
PLOT DATE : 2/28/2022 4:15 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

STH 11/36 NB

STH 11/36 SB

ROAD WORK 1 MILE
W20-1F

2600'

LEFT LANE CLOSED 1/2 MILE
W20-5SG

1600'

YAHNKE SPUR

N

STH 11/36 SB

1094'B'

1096'B'

1098'B'

STH 11/36 NB

1000'

W04-2L

2

LEGEND:

- WORK AREA
- or DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

N

50'

STH 11/36 SB

STH 11/36 SB

1100'B'

1102'B'

1104'B'

1106'B'

1108'B'

1110'B'

1112'B'

1114'B'

STH 11/36 NB

STH 11/36 NB

1000'

660' TAPER MIN.

TEMP MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 222	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 00

PLOT DATE : 2/28/2022 5:57 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

END ROAD WORK
G20-2A
48"X24"

WO1-6
48" X 24"

ROAD WORK AHEAD
W20-1A

S. PINE ST

TYPE III BARRICADE

220' TAPER (4' SHIFT)

25'

STH 11/36 SB

1116'B' 1118'B' 1120'B' 1122'B' 1124'B'

STH 11/36 NB

BEGIN LEFT TURN LANE
R3-20L
24"X36"

REMOVE PAVEMENT MARKING
THAT CONFLICTS WITH
TRAFFIC CONTROL

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

220' TAPER (4' SHIFT)

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

REMOVE PAVEMENT MARKING
THAT CONFLICTS WITH
TRAFFIC CONTROL

END ROAD WORK
G20-2A
48"X24"

354

352

STH 83/S. PINE ST

REMOVE PAVEMENT MARKING
THAT CONFLICTS WITH
TRAFFIC CONTROL

END ROAD WORK
G20-2A
48"X24"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

STH 11/36/83 SB

1126'B' 1128'B' 1130'B'

STH 11/36/83 NB

WO1-6
48" X 24"

ROAD WORK AHEAD
W20-1A

TYPE III BARRICADE

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING
LINE PAINT 4-INCH (YELLOW)

N

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

FOX RIVER

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING
LINE PAINT 4-INCH (YELLOW)

50'

STH 11/36/83 SB

1132'B' 1134'B' 1136'B' 1138'B' 1140'B' 1142'B' 1144'B' 1146'B'

STH 11/36/83 NB

CN RAILROAD

FOX RIVER

~STA 1132'B' TO ~STA 1143'B'
USE ONLY TEMPORARY MARKING
REMOVABLE TAPE ON BRIDGE

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING
LINE PAINT 4-INCH (YELLOW)

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

N

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 223 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 01

PLOT DATE : 2/28/2022 5:57 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

BREVER ROAD

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

50'

STH 11/36/83 SB

1148'B' 1150'B' 1152'B' 1154'B' 1156'B' 1158'B' 1160'B' 1162'B'

STH 11/36/83 NB

42" CPRC

24" CPRC

12" PU

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

BUSHNELL RD/STH 142

ROAD WORK AHEAD W20-3A

500' IN ADVANCE OF WO4-5

500' IN ADVANCE OF GORE

WO4-5 48"X48"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) 3-FT LINE 9-FT GAP

END ROAD WORK G20-2A 48"X24"

STH 142 NE RAMP

TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

REMOVE PAVEMENT MARKING THAT CONFLICTS WITH TRAFFIC CONTROL

754' TAPER (12' SHIFT)

25'

12'

23'

18" SSPRC

12" SSPRC

STH 11/36/83 SB

1164'B' 1166'B' 1168'B' 1170'B' 1174'B' 1176'B'

55' TAPER (1' SHIFT)

100'

STH 11/36/83 NB

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

WO4-1R

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

BEGIN RIGHT TURN LANE R3-20R 24"X36"

125'

100'

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) 3-FT LINE 9-FT GAP FOR 150 FEET

END ROAD WORK G20-2A 48"X24"

STH 142 SW RAMP

TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) 3-FT LINE 9-FT GAP

TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

WO4-5 48"X48"

ROAD WORK AHEAD W20-1A

500' IN ADVANCE OF GORE

500' IN ADVANCE OF WO4-5

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 224	E

2

BEGIN RIGHT TURN LANE
R3-20R 24"X36"

100' 125'

W04-1R

50'

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

HOOSIER CREEK

N

STH 11/36/83 SB

8'B' 1180'B' 1184'B' 1186'B' 1188'B' 1190'B' 1192'B'

100' 55' TAPER (1' SHIFT)

STH 11/36/83 NB

600' TAPER (12' SHIFT)

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

HOOSIER CREEK

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

50'

STH 11/36/83 SB

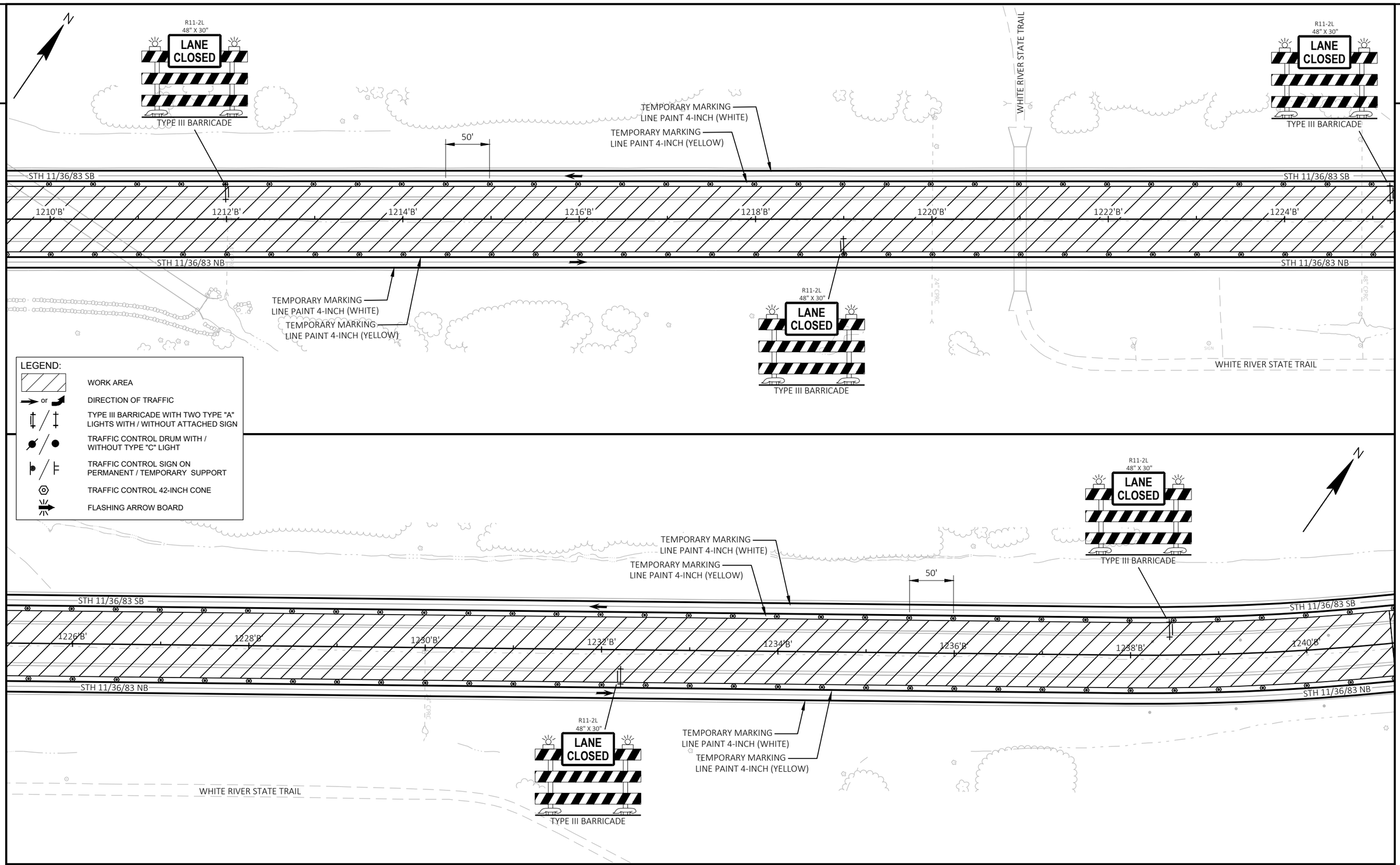
1194'B' 1196'B' 1198'B' 1200'B' 1202'B' 1204'B' 1206'B' 1208'B'

STH 11/36/83 NB

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 225	E



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 226	E

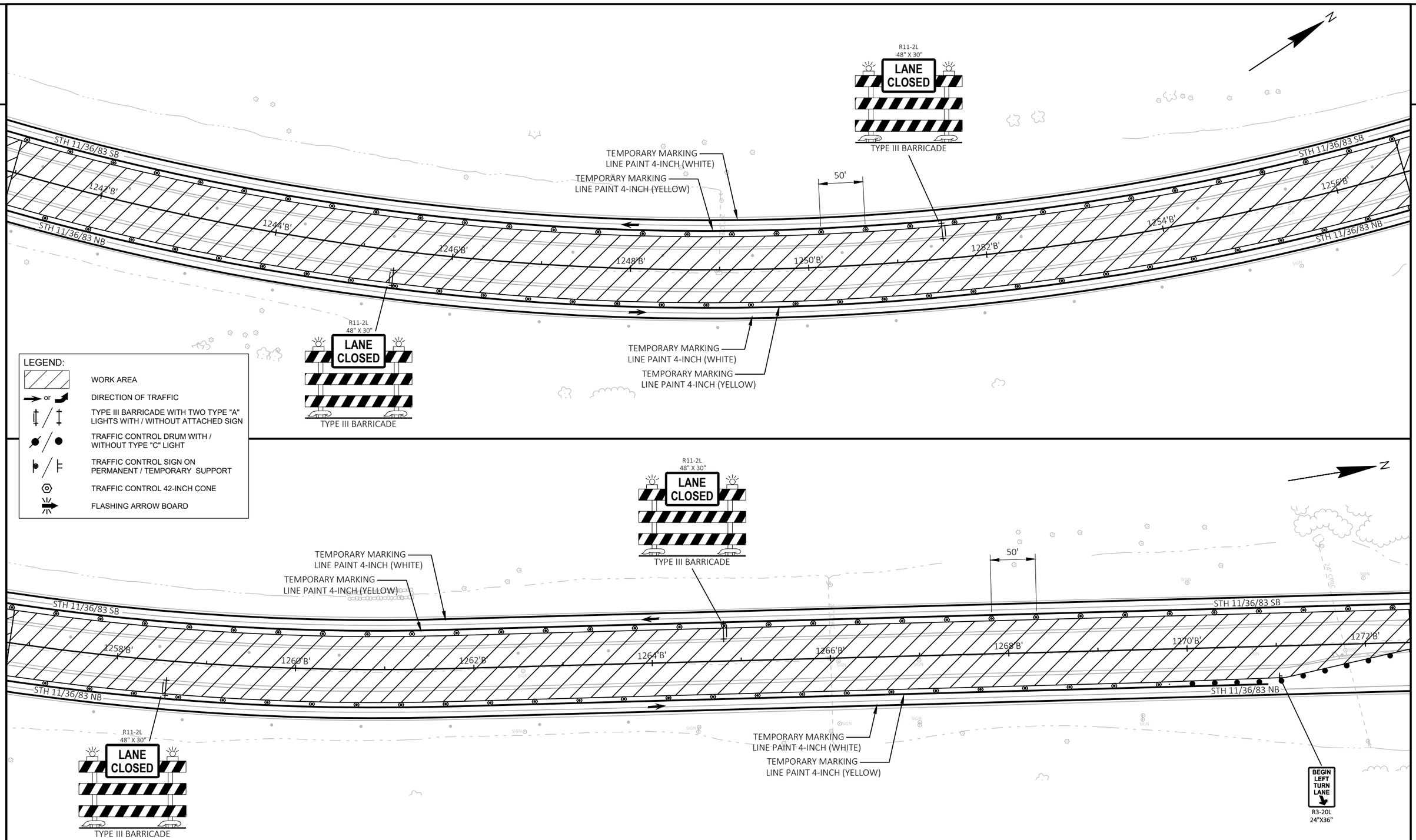
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 04

PLOT DATE : 2/28/2022 5:59 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 227	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 05
PLOT DATE : 2/28/2022 6:00 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

WO1-6
48" X 24"

ROAD WORK AHEAD
W20-1A

TYPE III BARRICADE

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING
LINE PAINT 4-INCH (YELLOW)

STH 11/36/83 SB

STH 11/36/83 NB

1274'B' 1276'B' 1278'B'

CTH E/DURAND AVE

126

128

130

STH 11/DURAND AVE

END ROAD WORK
G20-2A
48"X24"

REMOVE PAVEMENT
MARKING THAT CONFLICTS
WITH TRAFFIC CONTROL

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

XXX

1280'B' 1282'B' 1284'B' 1286'B' 1288'B'

STH 36/83 SB

STH 36/83 NB

BEGIN LEFT TURN LANE
R3-20L
24"X36"

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING
LINE PAINT 4-INCH (YELLOW)

50'

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

N

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING
LINE PAINT 4-INCH (YELLOW)

50'

STH 36/83 SB

STH 36/83 NB

1290'B' 1292'B' 1294'B' 1296'B' 1298'B' 1300'B' 1302'B'

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING
LINE PAINT 4-INCH (YELLOW)

R11-2L
48" X 30"
LANE CLOSED

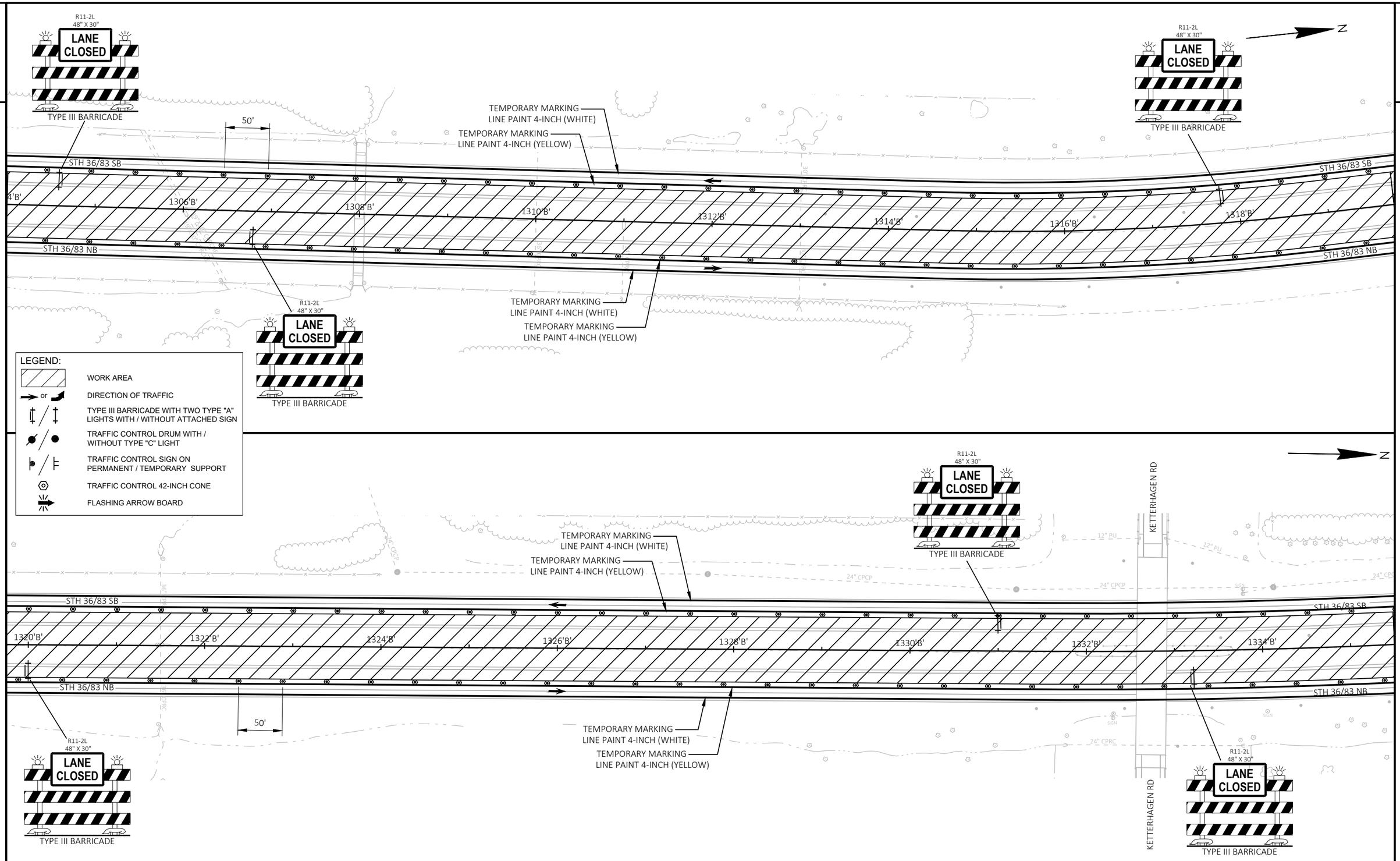
TYPE III BARRICADE

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 228	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 06

PLOT DATE : 2/28/2022 6:00 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 229	E

2

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING
LINE PAINT 4-INCH (YELLOW)

50'

STH 36/83 SB

STH 36/83 NB

1336'B'
1338'B'
1340'B'
1342'B'
1344'B'
1346'B'
1348'B'
1350'B'

24" CPCP
18" CPCP

N

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING
LINE PAINT 4-INCH (YELLOW)

REMOVE PAVEMENT MARKING
THAT CONFLICTS WITH
TRAFFIC CONTROL

850' TAPER (12' SHIFT)

50'

STH 36/83 SB

STH 36/83 NB

1352'B'
1354'B'
1356'B'
1358'B'
55' TAPER
(1' SHIFT)
1360'B'
1362'B'
55' TAPER
(1' SHIFT)
1366'B'

100'
125'
100'

WO4-1R

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN
RIGHT
TURN
LANE
R3-20R
24"X36"

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

END
ROAD WORK
G20-2A
48"X24"

CTH A SE RAMP

TEMPORARY
MARKING LINE PAINT
8-INCH (WHITE)

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)
3-FT LINE / 9-FT GAP

WO4-5
48"X48"

ROAD
WORK
AHEAD
W20-1A

500' IN ADVANCE OF GORE

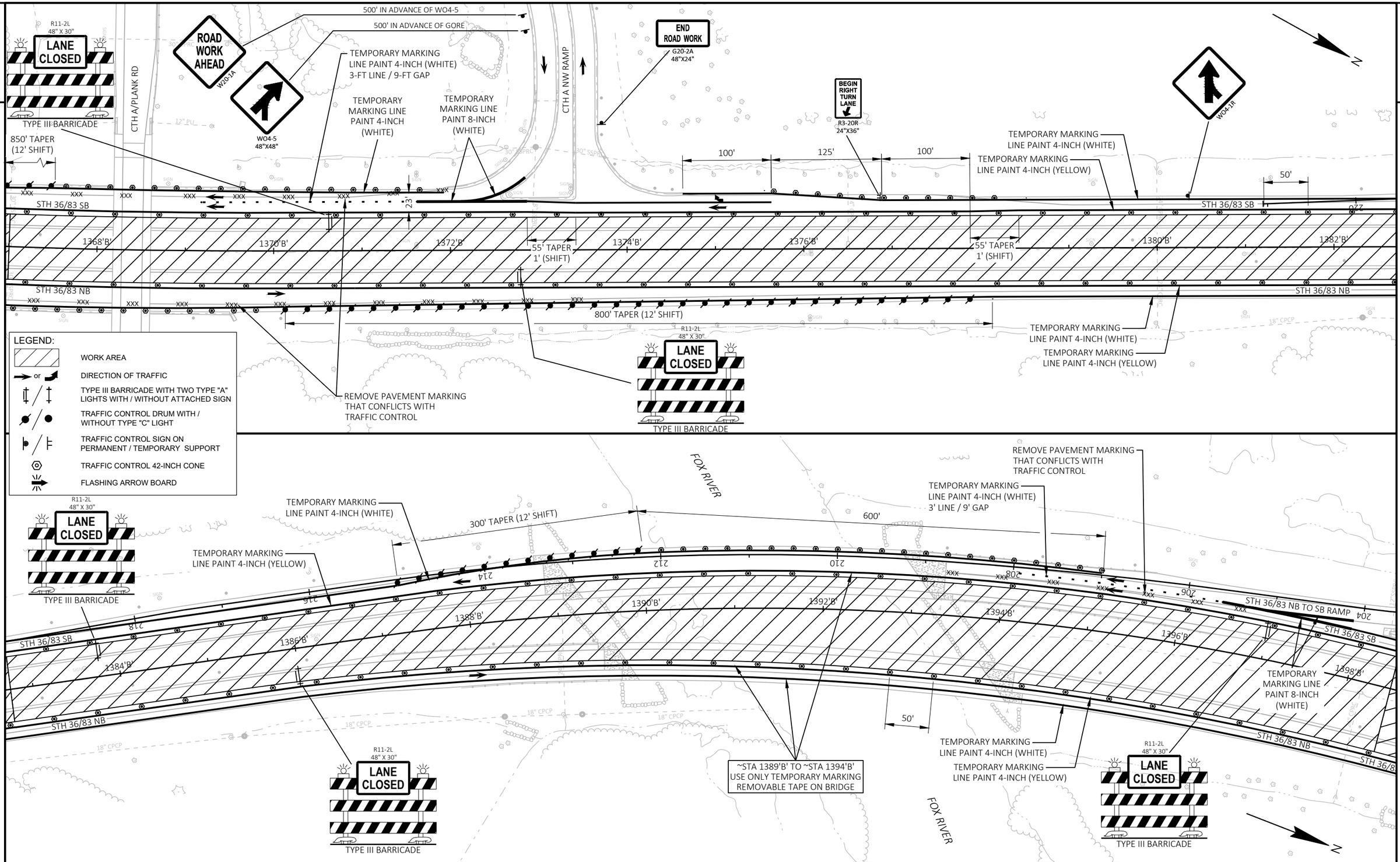
500' IN ADVANCE OF WO4-5

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 230	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 08

PLOT DATE : 2/28/2022 6:01 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

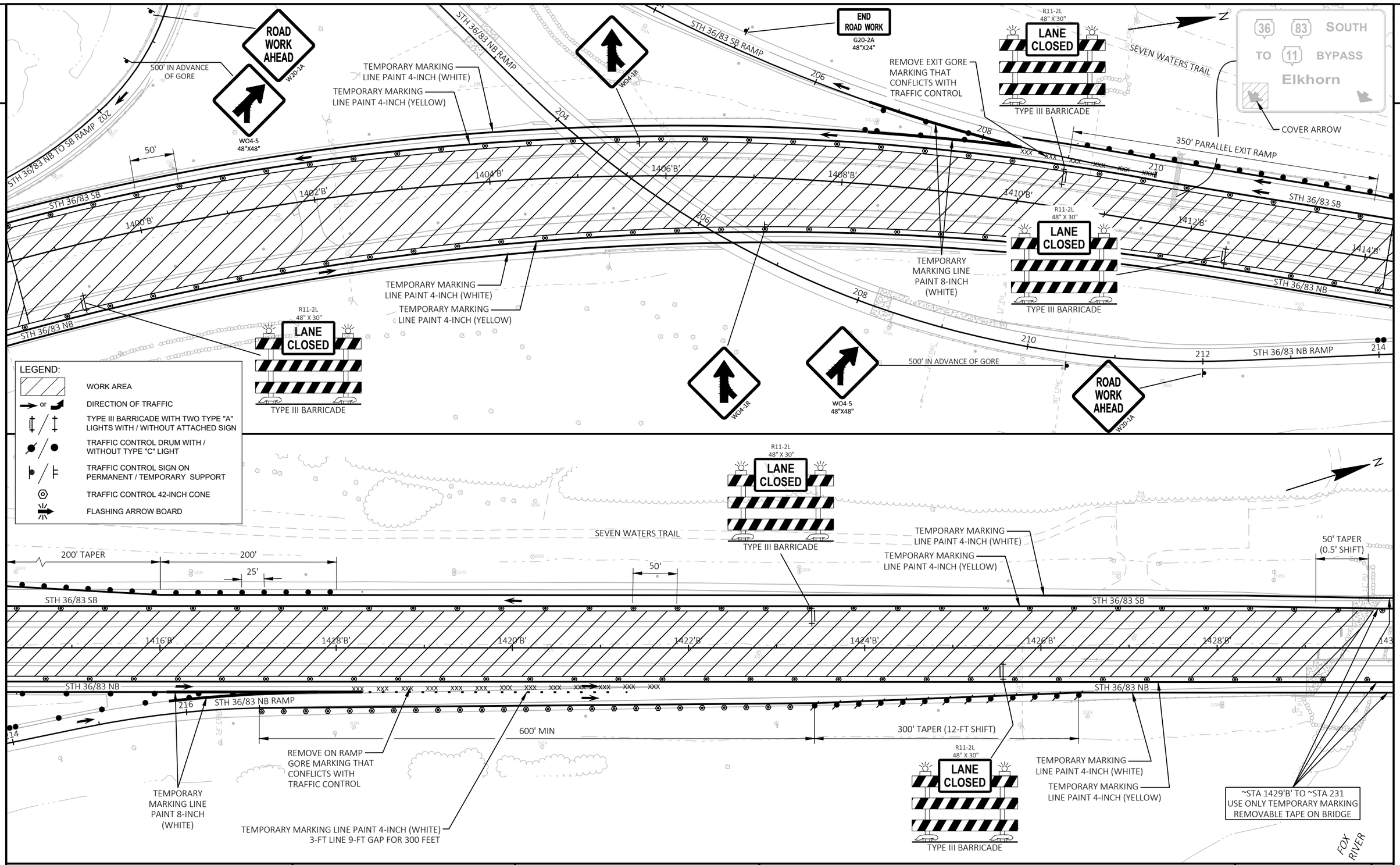
WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 231	E

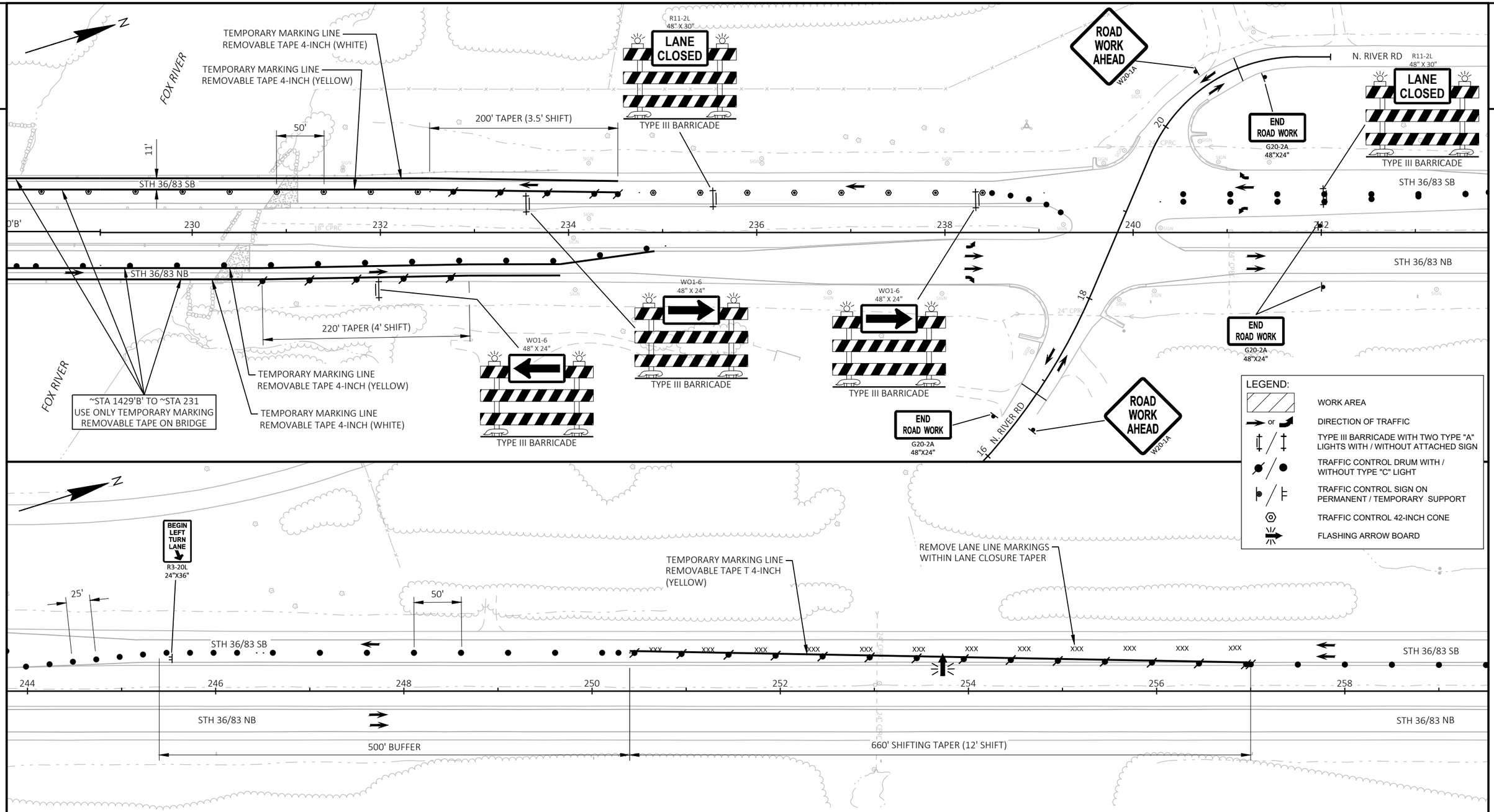
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 09
PLOT DATE : 2/28/2022 6:02 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



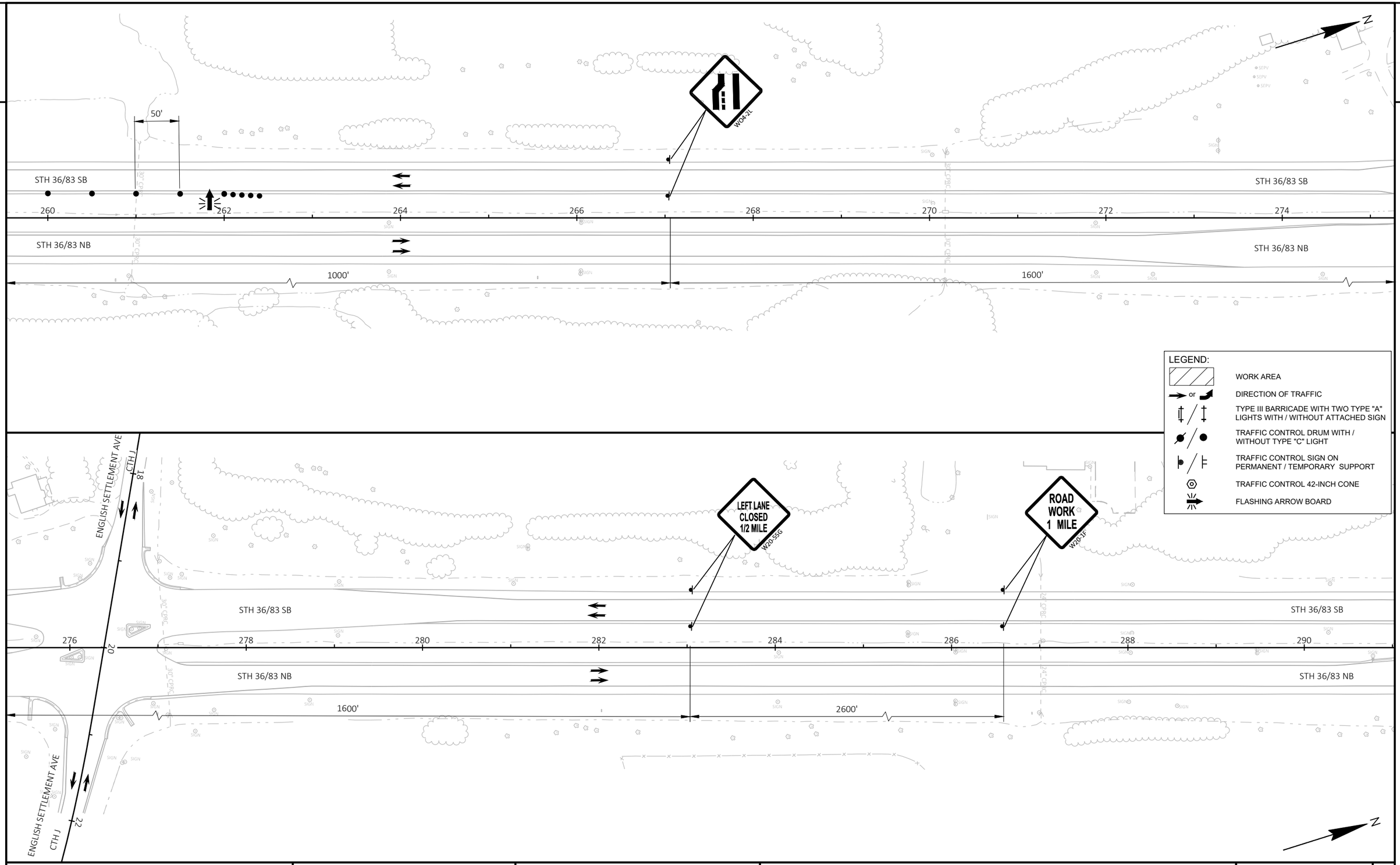
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 232	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 10
PLOT DATE : 2/28/2022 6:03 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 233	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 11
PLOT DATE : 2/28/2022 6:03 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 2	SHEET 234	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 12
PLOT DATE : 2/28/2022 6:04 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

N

END ROAD WORK
G20-2A
48"X24"

STH 11/36 SB

STH 11/36 NB

1116'B'

1118'B'

1120'B'

1122'B'

1124'B'

1126'B'

1128'B'

1130'B'

STH 11/36/83 SB

STH 11/36/83 NB

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R3-2
24"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-2
24"X24"
(AT STA 1132+50'B')

S. PINE ST

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

WO1-6
48" X 24"
TYPE III BARRICADE

STH 83/S. PINE ST

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

N

S. PINE ST

PCMS

200'

200'

200'

200'

RIGHT TURN ONLY

AT WIS 11/36/83

FRAME 1 FRAME 2

ROAD WORK AHEAD
W20-1A

LEFT LANE CLOSED AHEAD
W20-5A

WO4-2L

R3-2
24"X24"

25'

S. PINE ST

180' TAPER

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 11/36/83

1126'B'

1124'B'

STH 11/36

STH 83/S. PINE ST

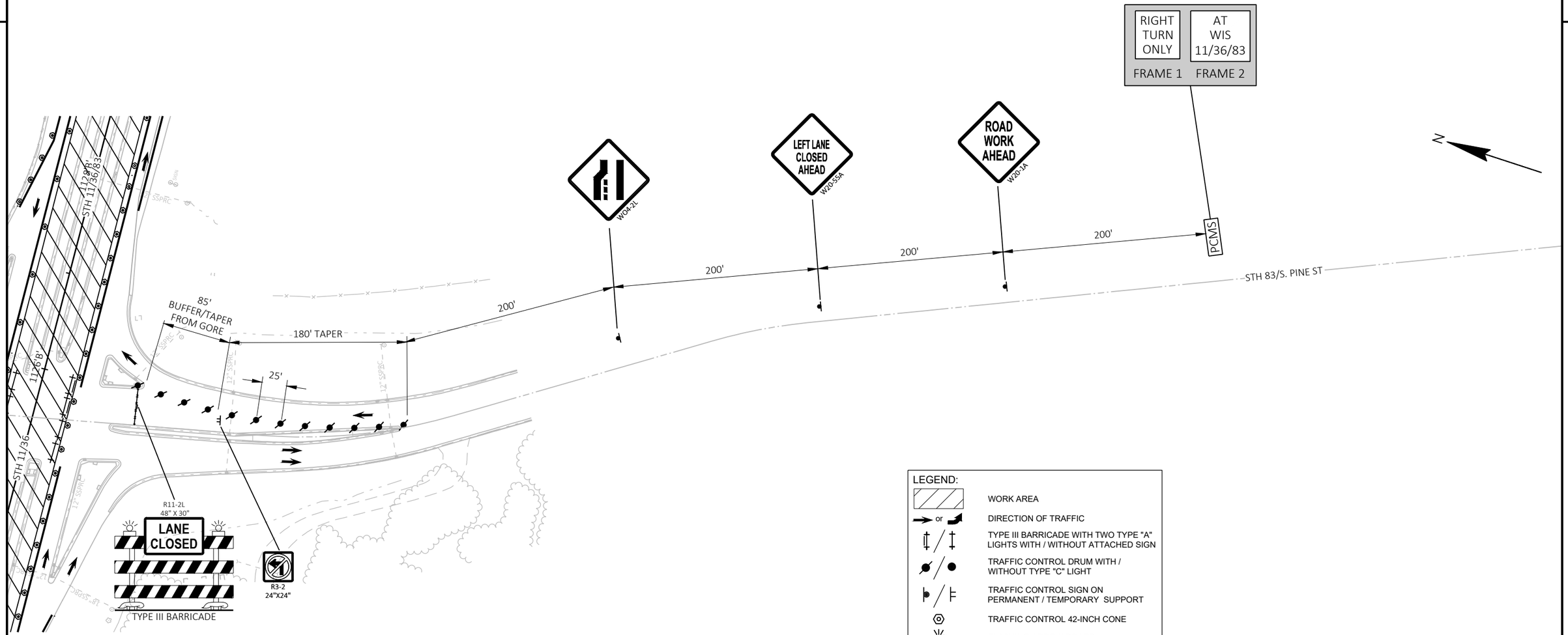
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 - OVERNIGHT CLOSURES - STH 83-PINE ST	SHEET 235	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S2 (SIDEROADS).DWG
LAYOUT NAME - - STH 83-Pine St

PLOT DATE : 2/22/2022 2:36 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC (→ or ↱)
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 - OVERNIGHT CLOSURES - STH 83-PINE ST (2)	SHEET 236	E

2

2

WO1-6
48" X 24"

TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

CTH E/DURAND AVE

R3-2
24"X24"

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

R3-2
24"X24"

STH 11/36/83 SB

STH 36/83 SB

1274'B' 1276'B' 1278'B' 1280'B' 1282'B' 1284'B' 1286'B' 1288'B'

STH 11/36/83 NB

STH 36/83 NB

R3-2
24"X24"
(AT STA 1271+00'B')

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

R3-2
24"X24"

STH 11/DURAND AVE

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

WO1-6
48" X 24"

TYPE III BARRICADE

N

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

STH 36/83

1280'B'

R3-2
24"X24"

25'

STH 11/
DURAND AVE

CTH E/DURAND AVE

PCMS

500'

500'

ROAD WORK AHEAD
W20-1A

1278'B'

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

STH 11/36/83

RIGHT TURN ONLY
FRAME 1

AT WIS 36/83
FRAME 2

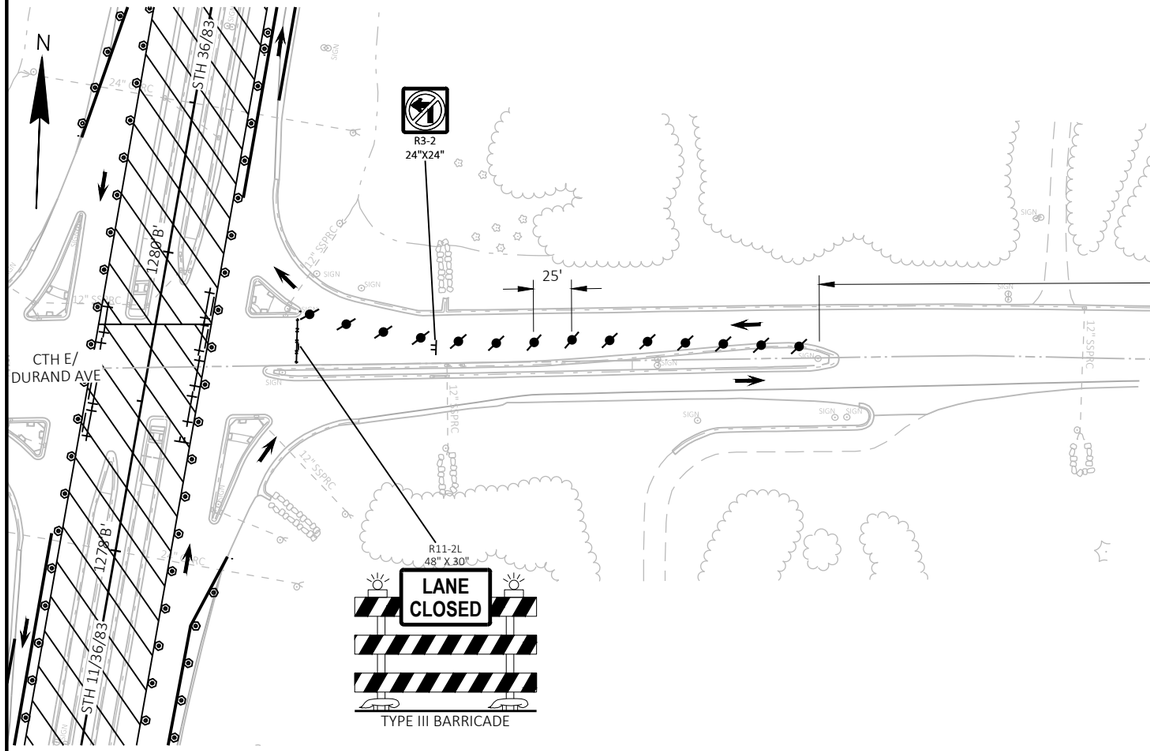
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 - OVERNIGHT CLOSURES - STH 11-DURAND AVE	SHEET 237	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S2 (SIDEROADS).DWG
LAYOUT NAME - - STH 11-Durand Ave

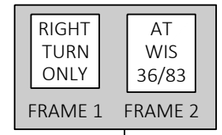
PLOT DATE : 2/22/2022 2:37 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

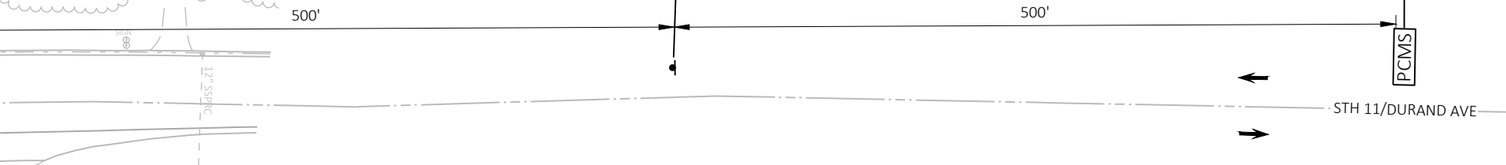
WISDOT/CADDS SHEET 44

2









LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 - OVERNIGHT CLOSURES - STH 11-DURAND AVE (2)	SHEET 238	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S2 (SIDEROADS).DWG
LAYOUT NAME - - STH 11-Durand Ave (2)
PLOT DATE : 2/22/2022 2:37 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

STH 11/36 SB

STH 11/36 NB

ROAD WORK 1 MILE
W20-1F

2600'

RIGHT LANE CLOSED 1/2 MILE
W20-5G

1600'

N

STH 11/36 SB

1094'B' 1096'B' 1098'B'

STH 11/36 NB

W04-2R

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

N

STH 11/36 SB

STH 11/36 SB

1100'B' 1102'B' 1104'B' 1106'B' 1108'B' 1110'B' 1112'B' 1114'B'

STH 11/36 NB

STH 11/36 NB

50'

660' TAPER (12' SHIFT)

500' MINIMUM TO PARTIAL LANE SHIFT

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 239	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S3.DWG
LAYOUT NAME - 00

PLOT DATE : 2/22/2022 12:51 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

S. PINE ST

220' TAPER (4' SHIFT)

STH 11/36 SB

1116'B' 1118'B' 1120'B' 1122'B' 1124'B'

STH 11/36 NB

50'

220' TAPER (4' SHIFT)

WO1-6
48" X 24"
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

END ROAD WORK
G20-2A
48"X24"

STH 83/S. PINE ST

354

352

N

END ROAD WORK
G20-2A
48"X24"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

STH 11/36/83 SB

1126'B' 1128'B' 1130'B'

STH 11/36/83 NB

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

25'

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

FOX RIVER

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

STH 11/36/83 SB

1132'B' 1134'B' 1136'B' 1138'B' 1140'B' 1142'B' 1144'B' 1146'B'

STH 11/36/83 NB

CN RAILROAD

50'

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

FOX RIVER

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

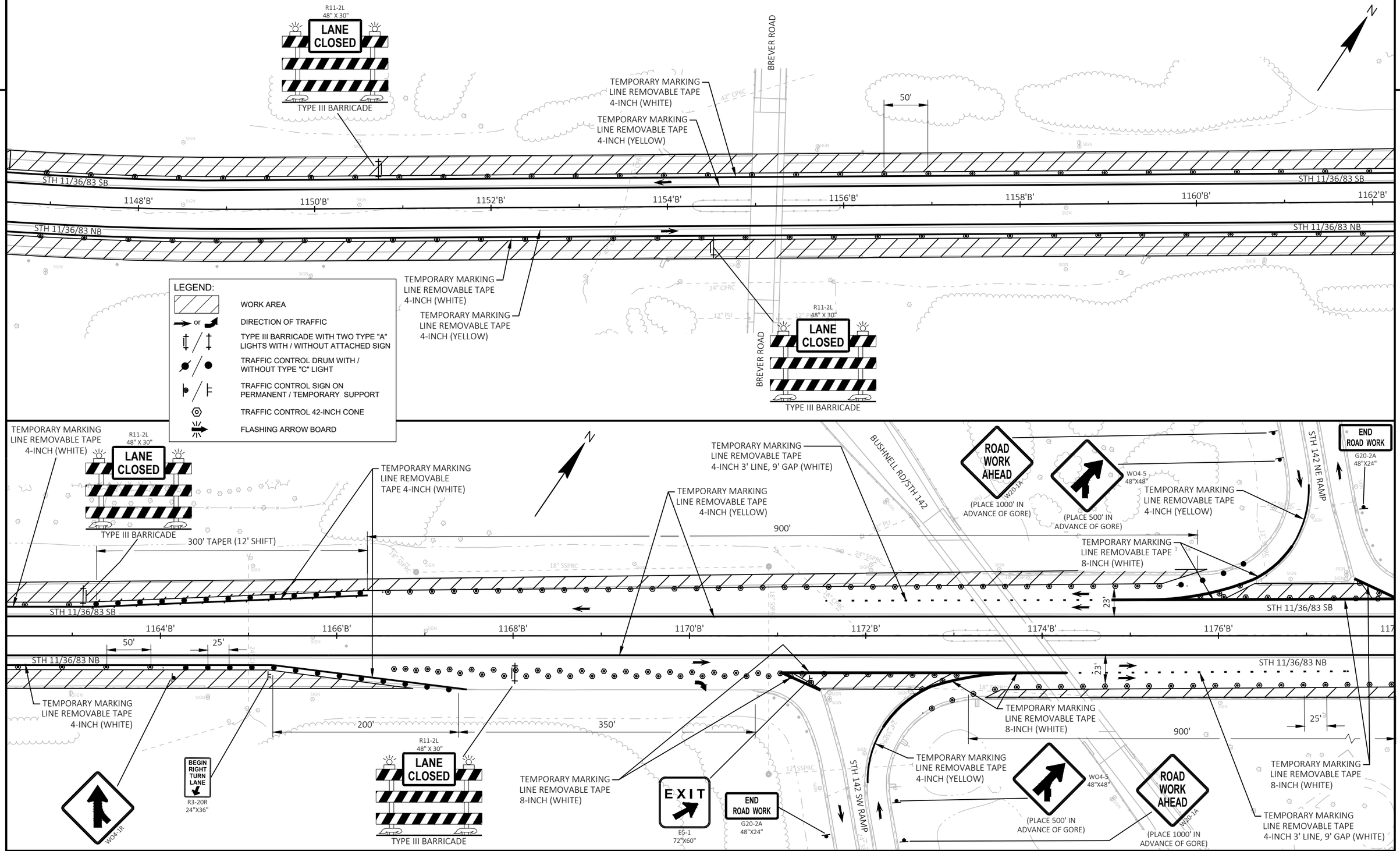
N

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 240	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S3.DWG
LAYOUT NAME - 01

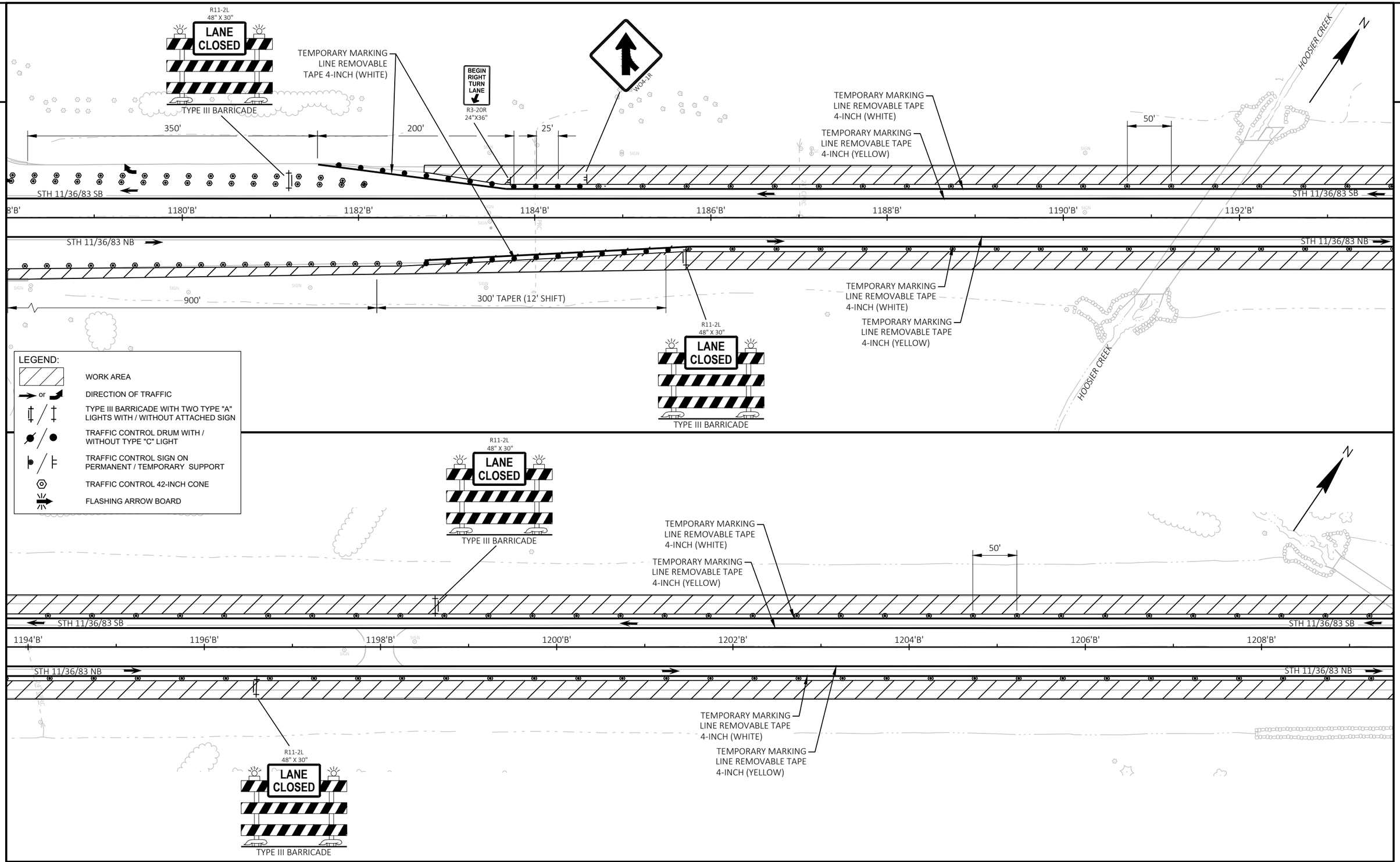
PLOT DATE : 2/22/2022 12:52 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 241	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S3.DWG
LAYOUT NAME - 02
PLOT DATE : 2/22/2022 12:52 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44


R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE
TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
BEGIN RIGHT TURN LANE
R3-20R
24"X36"
W04-1R
350'
200'
25'
50'
TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
STH 11/36/83 SB
STH 11/36/83 NB
1180'B'
1182'B'
1184'B'
1186'B'
1188'B'
1190'B'
1192'B'
900'
300' TAPER (12' SHIFT)
TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
HOOSIER CREEK
N
LEGEND:
WORK AREA
or
DIRECTION OF TRAFFIC
TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
TRAFFIC CONTROL 42-INCH CONE
FLASHING ARROW BOARD
1194'B'
1196'B'
1198'B'
1200'B'
1202'B'
1204'B'
1206'B'
1208'B'

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50'

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

WHITE RIVER STATE TRAIL

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 11/36/83 SB

1210'B' 1212'B' 1214'B' 1216'B' 1218'B' 1220'B' 1222'B' 1224'B'

STH 11/36/83 NB

STH 11/36/83 SB

STH 11/36/83 NB

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

24" CPRC

48" CPRC

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WHITE RIVER STATE TRAIL

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 11/36/83 SB

1226'B' 1228'B' 1230'B' 1232'B' 1234'B' 1236'B' 1238'B' 1240'B'

STH 11/36/83 NB

STH 11/36/83 SB

STH 11/36/83 NB

50'

24" CPRC

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

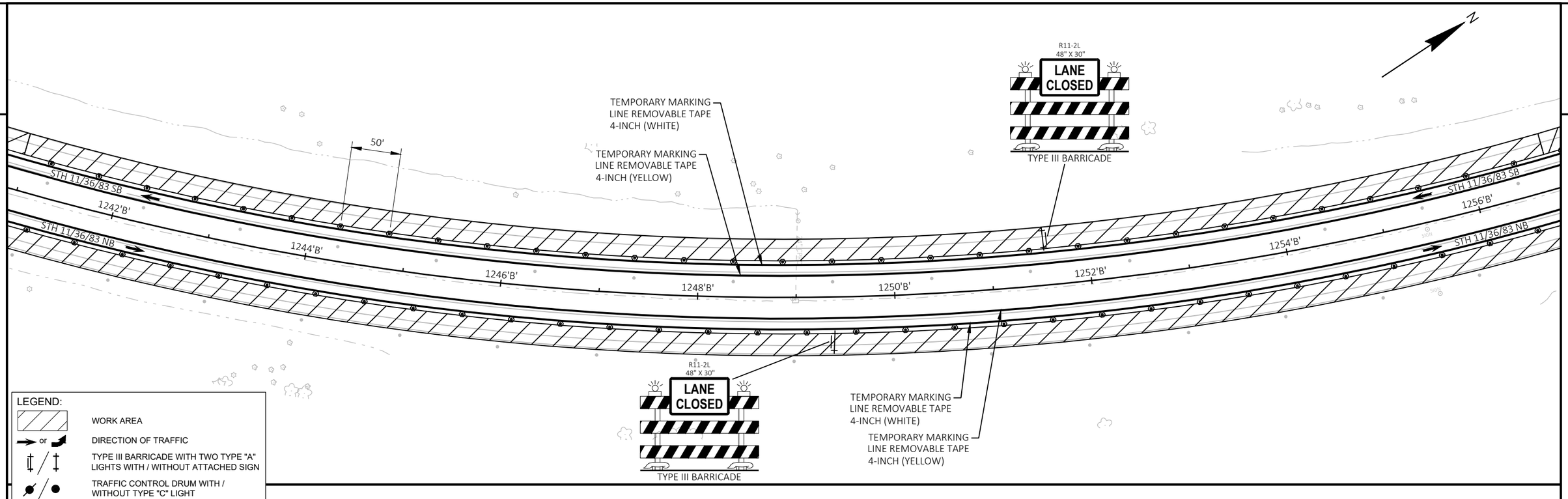
TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

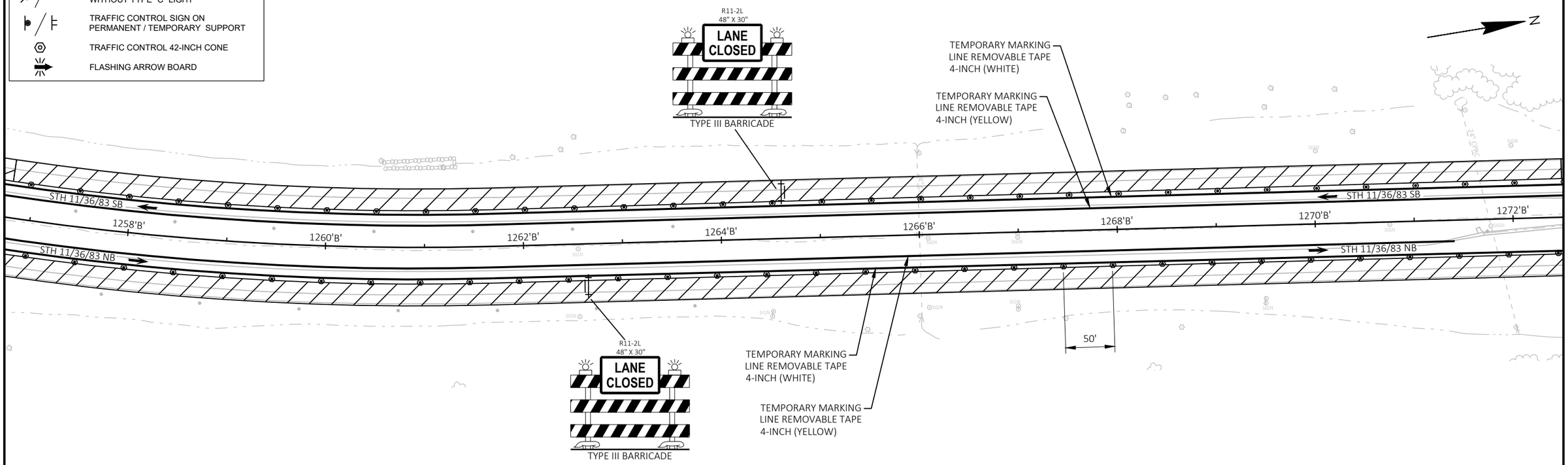
WHITE RIVER STATE TRAIL

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 243	E

2

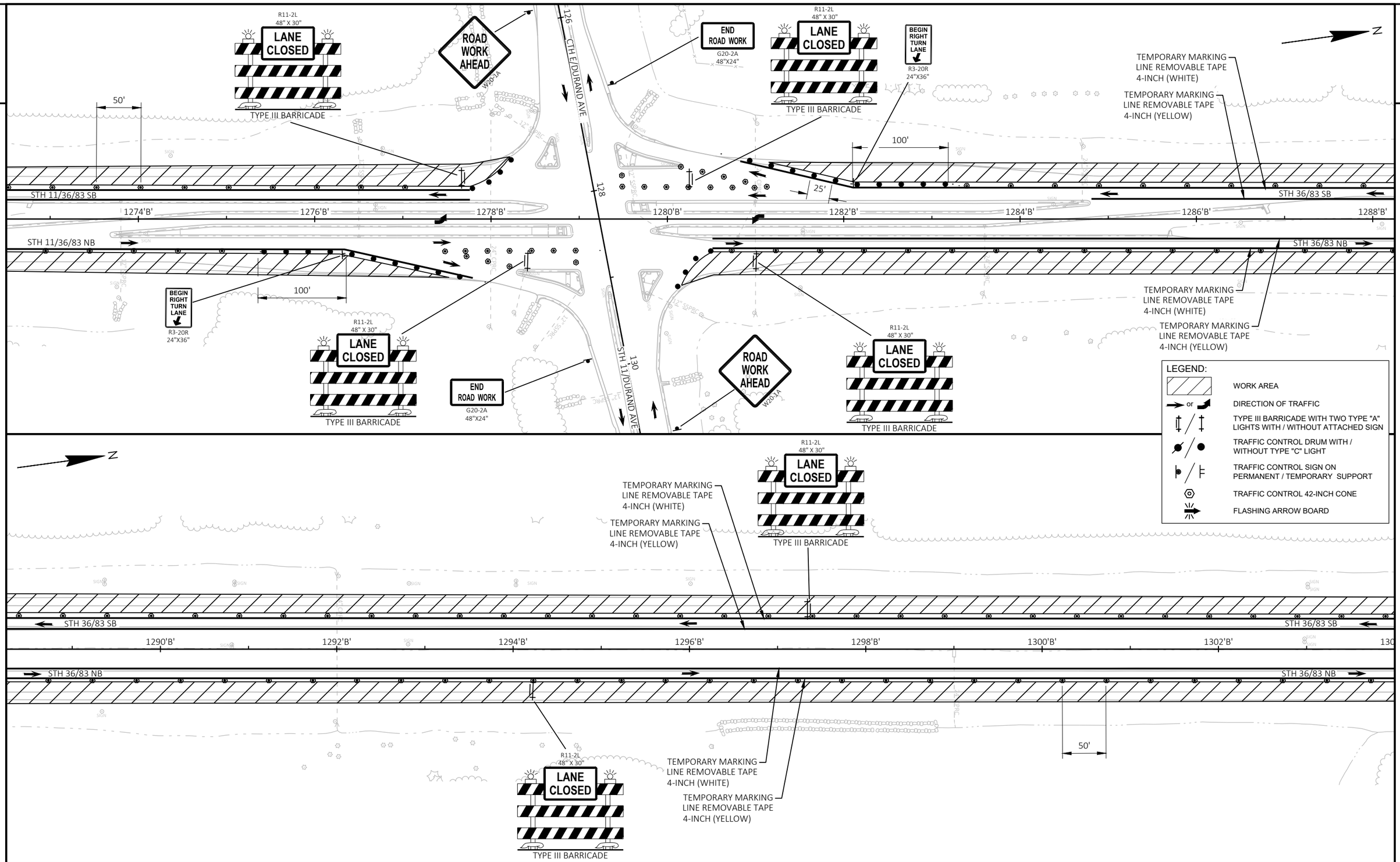




LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

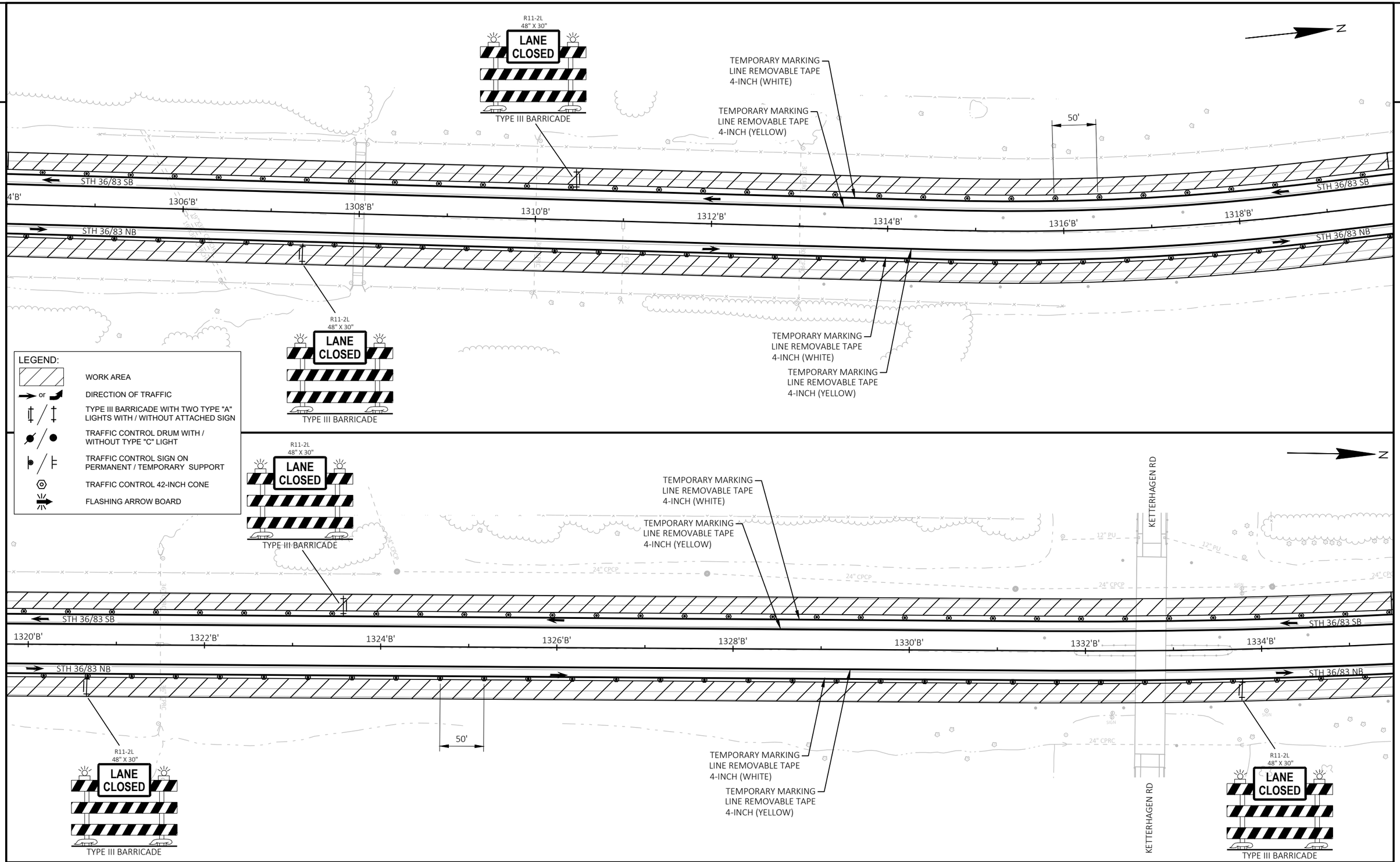
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 244	E



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 245 E

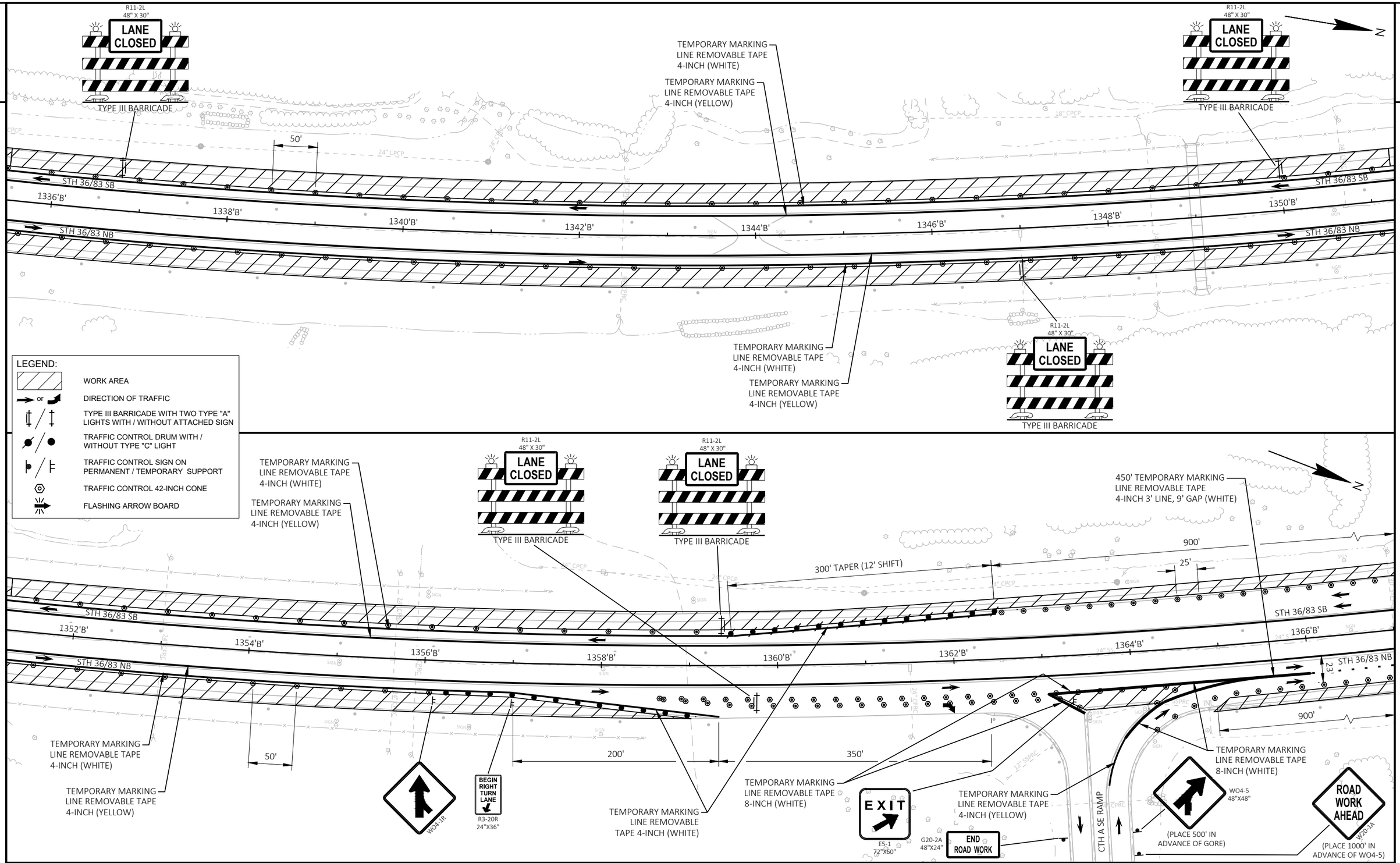
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S3.DWG
LAYOUT NAME - 06
PLOT DATE : 2/22/2022 12:54 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 246	E

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 247	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S3.DWG
LAYOUT NAME - 08
PLOT DATE : 2/22/2022 12:56 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

450' TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH 3' LINE, 9' GAP (WHITE)

CTH A/PLANK RD

ROAD WORK AHEAD W20-1A

(PLACE 500' IN ADVANCE OF WO4-5)

WO4-5 48"X48" (PLACE 500' IN ADVANCE OF GORE)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

CTH A NW RAMP

END ROAD WORK G20-2A 48"X24"

EXIT E5-1 72"X60"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

BEGIN RIGHT TURN LANE R3-20R 24"X36"

WO4-4R

N

900'

350'

200'

23'

12'

STH 36/83 SB

STH 36/83 NB

1368'B' 1370'B' 1372'B' 1374'B' 1376'B' 1378'B' 1380'B' 1382'B'

900'

300' TAPER (12" SHIFT)

50'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

300' TAPER (12' SHIFT)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

FOX RIVER

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH 3' LINE, 9' GAP (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

300' SHIFT

N

600'

STH 36/83 NB TO SB RAMP

STH 36/83 SB

STH 36/83 NB

1384'B' 1386'B' 1388'B' 1390'B' 1392'B' 1394'B' 1396'B' 1398'B'

100' TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

50'

18" CPCP

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

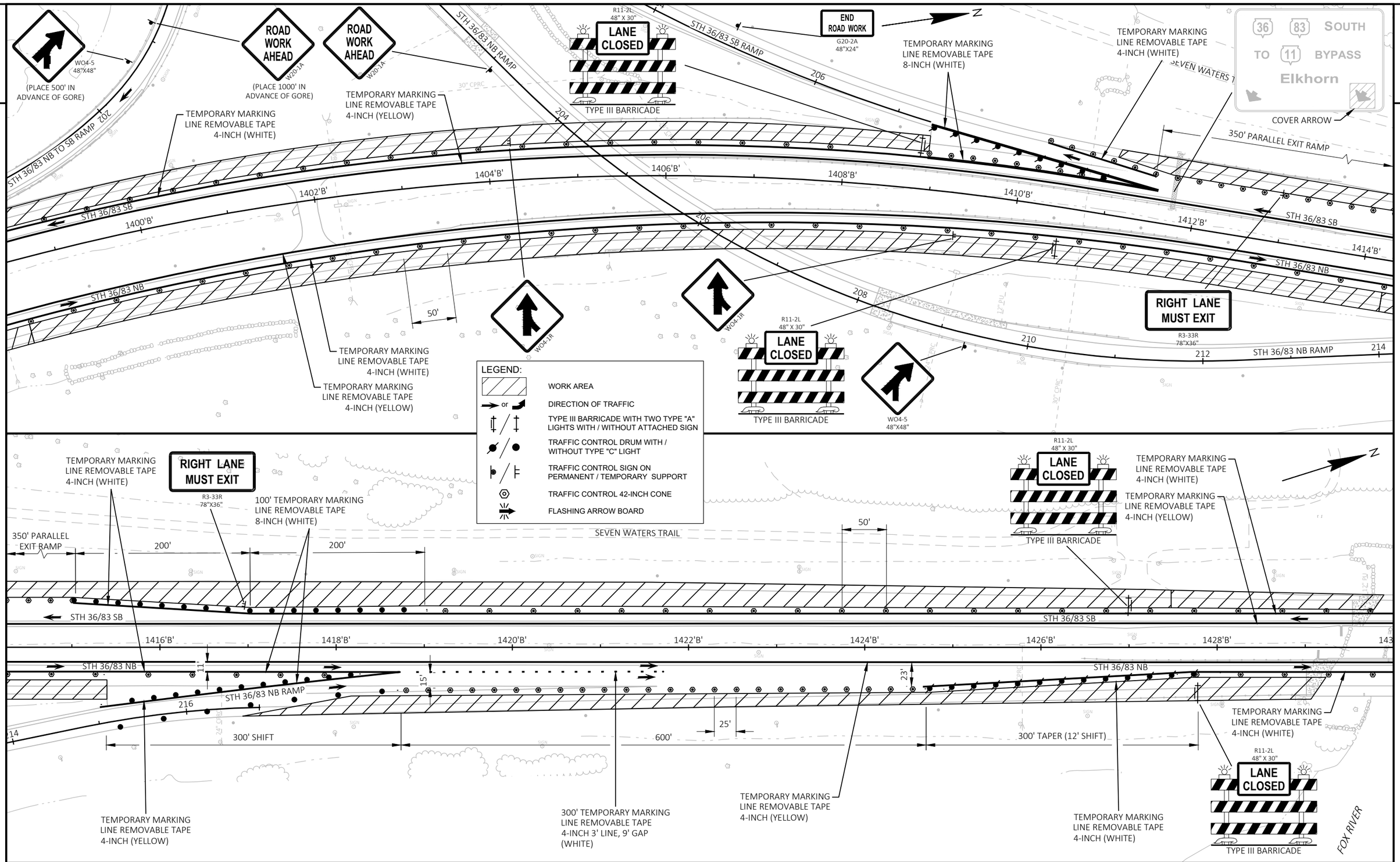
FOX RIVER

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 248	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S3.DWG
LAYOUT NAME - 09

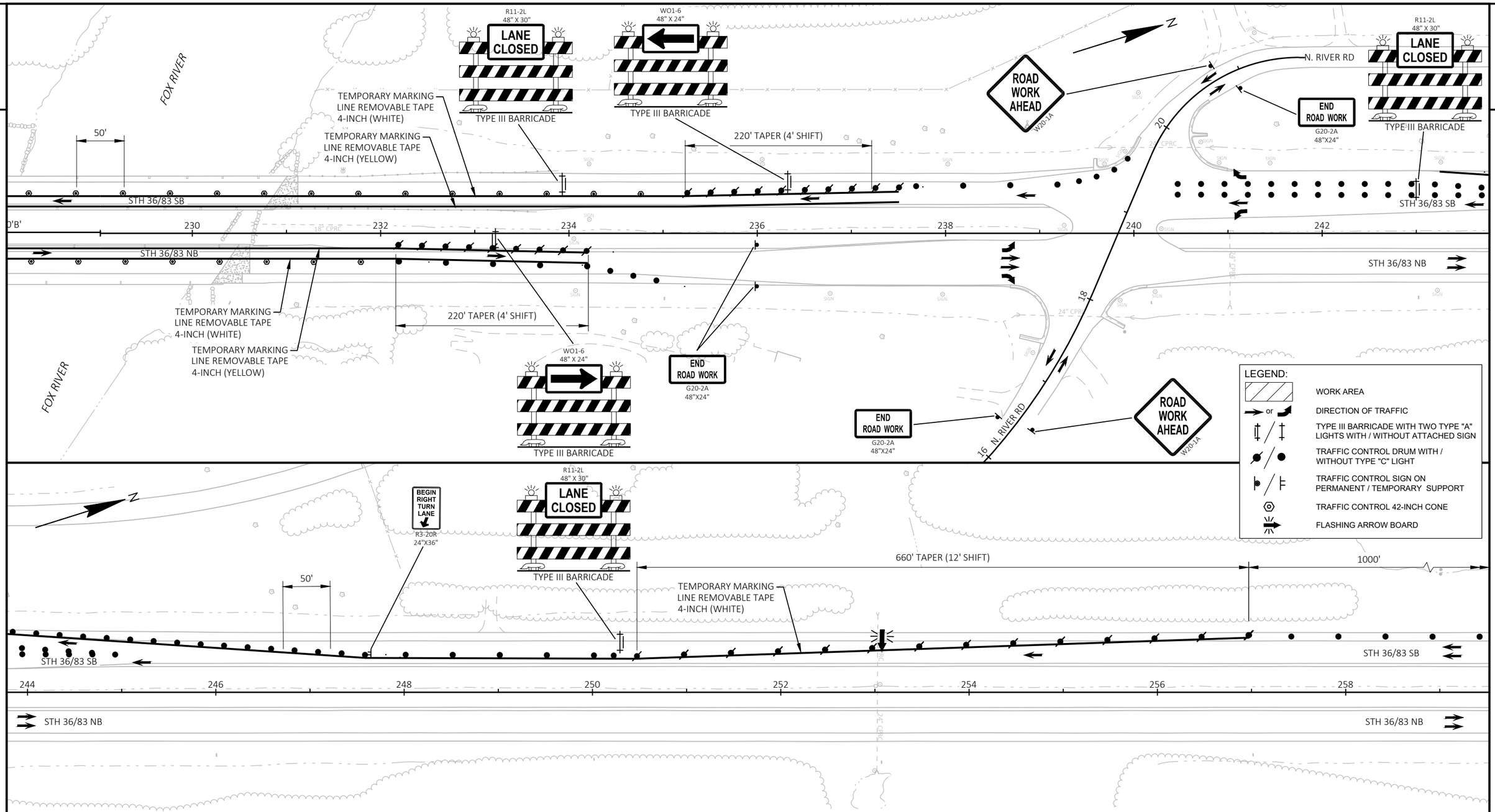
PLOT DATE : 2/22/2022 12:56 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 249 E

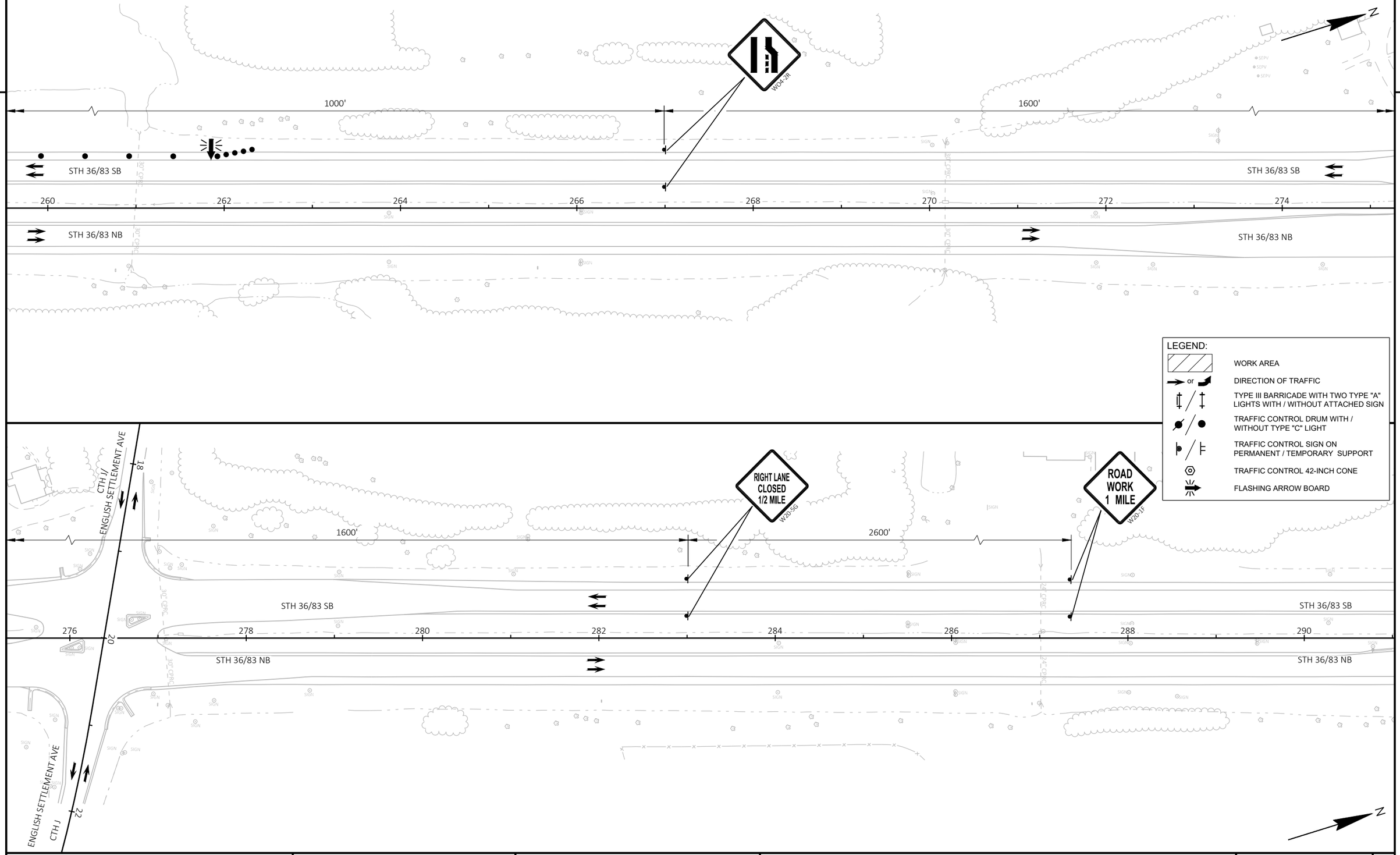
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S3.DWG
LAYOUT NAME - 10
PLOT DATE : 2/22/2022 12:57 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 250	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S3.DWG
LAYOUT NAME - 11
PLOT DATE : 2/22/2022 12:57 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 3	SHEET 251	E

2

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

R3-1 24"X24"

R3-1 24"X24"

R3-2 24"X24"

R3-2 24"X24"

R3-1 24"X24"

R3-1 24"X24"

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE (SIGNS ON BOTH SIDES OF BARRICADE IN MEDIAN)

S. PINE ST

STH 83 S. PINE ST

STH 11/36/83 SB

STH 11/36/83 NB

25'

1118'B' 1120'B' 1122'B' 1124'B' 1126'B' 1128'B' 1130'B' 1132'B'

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

N

S. PINE ST

500' 500' 500' 500'

ROAD CLOSED AHEAD W20-3A

R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC — TYPE III BARRICADE

ROAD CLOSED 1000 FT W20-3C

ROAD CLOSED 500 FT W20-3D

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

PCMS

3 DAYS PRIOR TO CLOSURE

PINE ST TO CLOSE AT WIS36	'DAY' 9PM TO 6AM
FRAME 1	FRAME 2

S. PINE ST

STH 11/36 SB

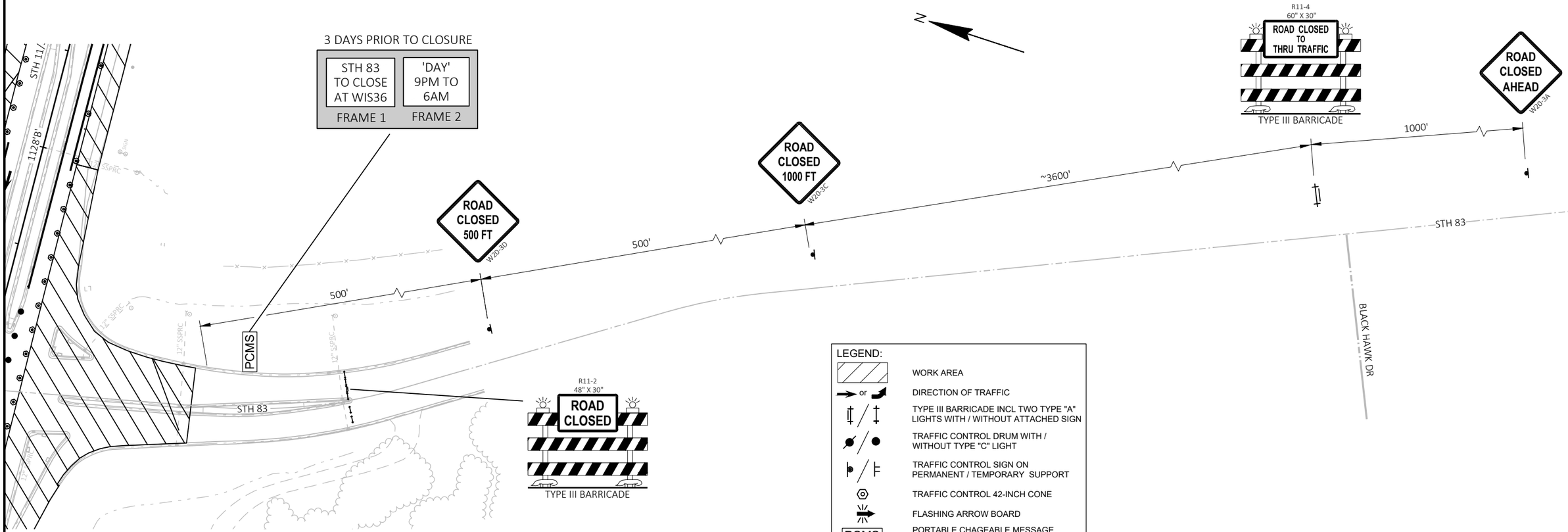
1124'B'

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - STH 83-PINE ST	SHEET 252	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - STH 83-Pine St

PLOT DATE : 2/23/2022 8:32 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - STH 83-PINE ST (2)	SHEET 253	E

2

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BREVER ROAD

STH 11/36/83 SB

1148'B' 1150'B' 1152'B' 1154'B' 1156'B' 1158'B' 1160'B' 1162'B'

STH 11/36/83 NB

PCMS

1500'

1000'

RAMP CLOSED AHEAD
W20-5SA

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

DURING CLOSURE

EXIT TO WIS 142 CLOSED	USE ALT ROUTE
FRAME 1	FRAME 2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS PORTABLE CHAGEABLE MESSAGE BOARD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 142 NB RAMP

RAMP WILL BE CLOSED
TEXT LINE 1
TEXT LINE 2
TEXT LINE 3
R11-51
48"X48"

STH 11/36/83 SB

1164'B' 1166'B' 1168'B' 1170'B' 1172'B' 1174'B' 1176'B' 117

25'

STH 11/36/83 NB

1000'

R3-1
36"X36"

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

R3-1
36"X36"

RAMP WILL BE CLOSED
TEXT LINE 1
TEXT LINE 2
TEXT LINE 3
R11-51
48"X48"

STH 142 SW RAMP

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - STH 142	SHEET 254	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - STH 142

PLOT DATE : 2/23/2022 8:33 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

DURING CLOSURE

EXIT TO WIS 142 CLOSED	USE ALT ROUTE
FRAME 1	FRAME 2

R11-2R
48" X 30"
RAMP CLOSED

R3-1
36"X36"

TYPE III BARRICADE

R3-1
36"X36"

25'

1000'

1500'

PCMS

RAMP CLOSED AHEAD
W20-5-36A

HOOSIER CREEK

STH 11/36/83 SB

STH 11/36/83 SB

8'B' 1180'B' 1182'B' 1184'B' 1186'B' 1188'B' 1190'B' 1192'B'

STH 11/36/83 NB

STH 11/36/83 NB

HOOSIER CREEK

LEGEND:

	WORK AREA
→ or ↱	DIRECTION OF TRAFFIC
‡ / ‡	TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
● / ●	TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
⚑ / ⊢	TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
⬡	TRAFFIC CONTROL 42-INCH CONE
➡	FLASHING ARROW BOARD
PCMS	PORTABLE CHAGEABLE MESSAGE BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - STH 142 (2)	SHEET 255	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - STH 142 (2)

PLOT DATE : 2/23/2022 8:33 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

BUSHNELL RD/STH 142

25'

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

STH 11/36/83 SB
STH 11/36/83 NB

1182'B'
1180'B'
1178'B'
1176'B'
1174'B'
1172'B'
1170'B'
1168'B'
1166'B'

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - STH 142 (3)	SHEET 256	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - STH 142 (3)

PLOT DATE : 2/23/2022 8:33 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 44

2

2

N

STH 142

MCCANNA PKWY

PCMS

DURING CLOSURE

RAMPS TO WIS 36 CLOSE	USE ALT ROUTE
FRAME 1	FRAME 2

STH 142

BREVER RD

RAMP WILL BE CLOSED
TEXT LINE 1
TEXT LINE 2
TEXT LINE 3
R11-51
48"X48"

500'

RAMP CLOSED AHEAD
W20-53A

STH 36/83

MT TOM RD

RAMP CLOSED AHEAD
W20-53A

500'

RAMP WILL BE CLOSED
TEXT LINE 1
TEXT LINE 2
TEXT LINE 3
R11-51
48"X48"

STH 142

HOOSIER CREEK

STH 36/83

PCMS

DURING CLOSURE

RAMPS TO WIS 36 CLOSED	USE ALT ROUTE
FRAME 1	FRAME 2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - STH 142 (4)	SHEET 257	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - STH 142 (4)

PLOT DATE : 2/23/2022 8:33 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

2

N

STH 11/36/83 SB

STH 11/36/83 NB

STH 36/83 SB

STH 36/83 NB

CTH E/DURAND AVE

STH 11/DURAND AVE

1272'B' 1274'B' 1276'B' 1278'B' 1280'B' 1282'B' 1284'B' 1286'B'

25'

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

R3-1 36"X36"

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

R3-2 36"X36"

R3-2 36"X36"

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

R3-1 36"X36"

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE (SIGNS ON BOTH SIDES OF BARRICADE IN MEDIA)

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

FISCHER RD

CTH E

1000' ~1100' 500' 500'

ROAD CLOSED AHEAD W20-3A

R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC — TYPE III BARRICADE

ROAD CLOSED 1000 FT W20-3C

ROAD CLOSED 500 FT W20-3D

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

PCMS

3 DAYS PRIOR TO RAMP CLOSURE

FRAME 1	FRAME 2
CTH E TO CLOSE AT WIS36	'DAY' 9PM TO 6AM

1280'B'

STH 36/83

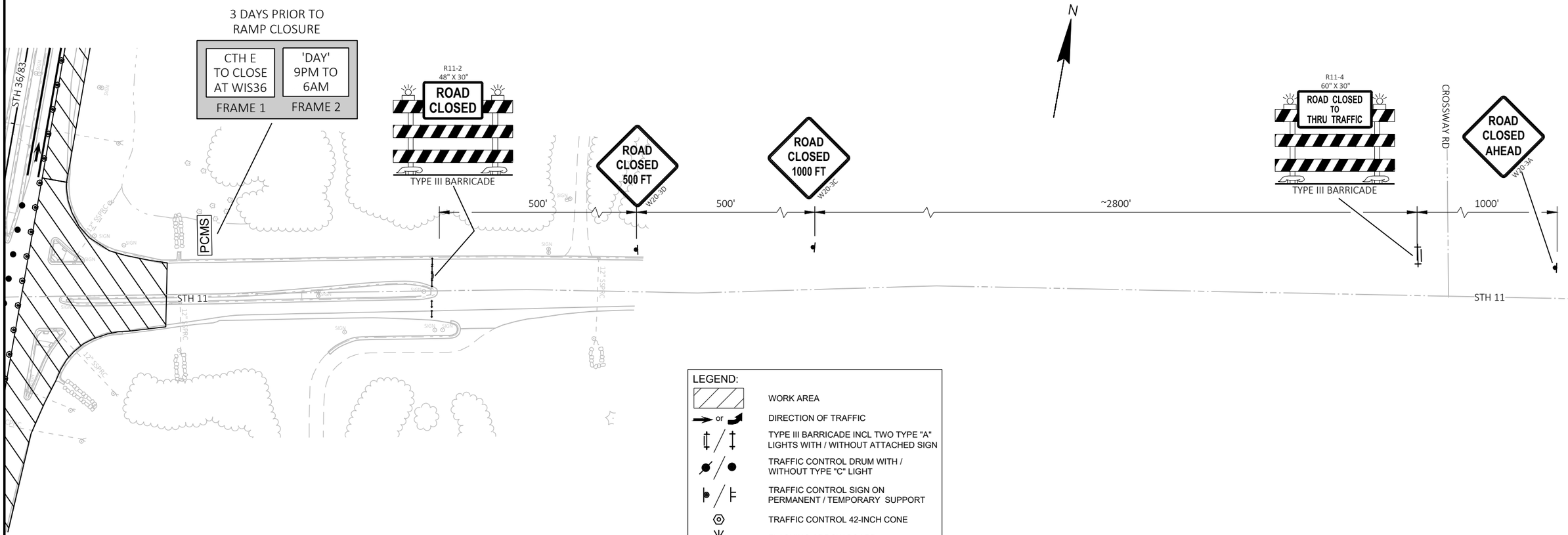
1278'B'

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - STH 11-CTH E	SHEET 258 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - STH 11-CTH E

PLOT DATE : 2/23/2022 8:34 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

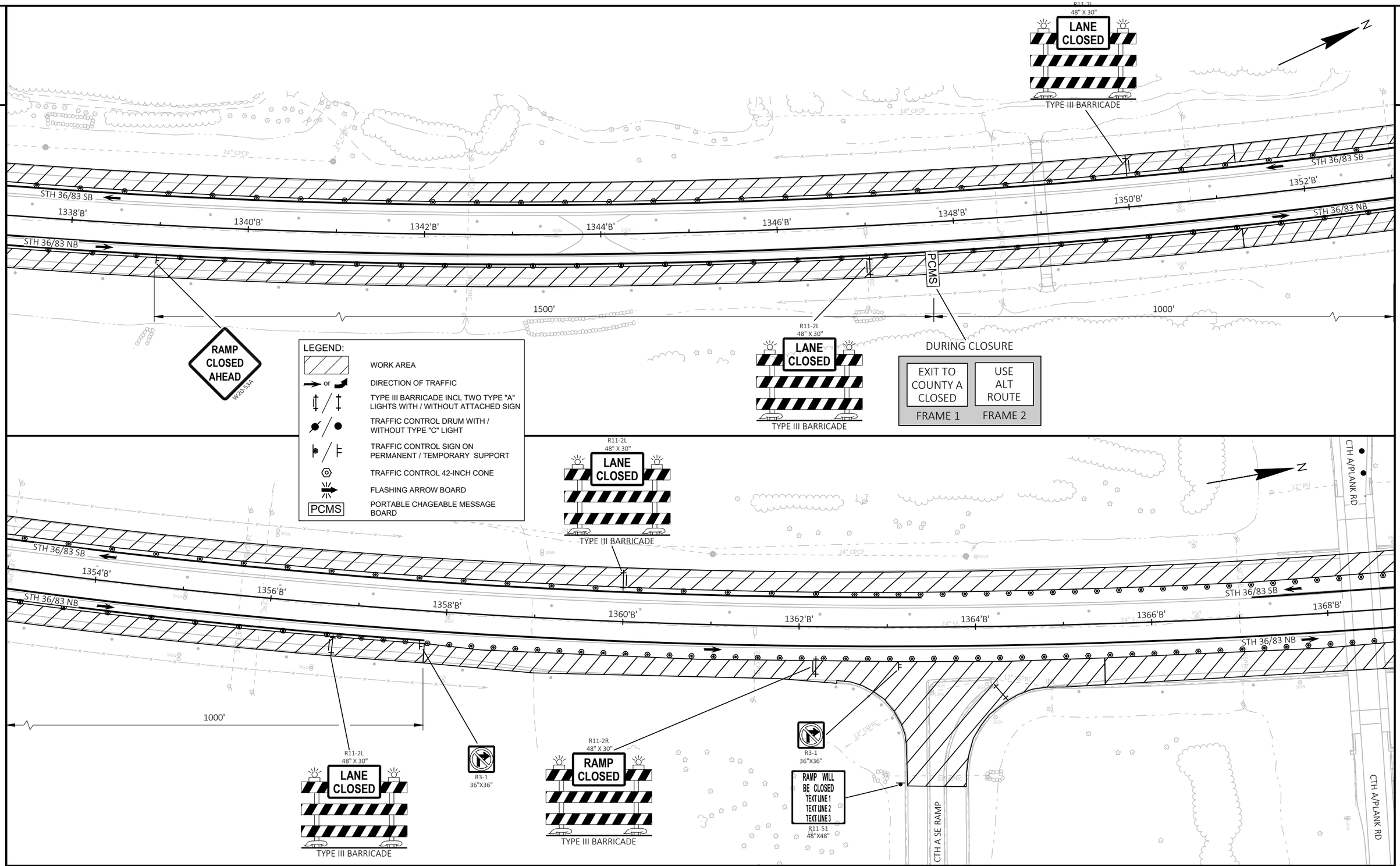


PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - STH 11-CTH E (2)	SHEET 259	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - STH 11-CTH E (2)

PLOT DATE : 2/23/2022 8:34 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - CTH A	SHEET 260	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - CTH A

PLOT DATE : 2/23/2022 8:35 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2

CTH A/PLANK RD

CTH A NW RAMP

30" CPRC

12" PU

R3-1
36"X36"

R11-2R
48" X 30"
RAMP CLOSED

TYPE III BARRICADE

R3-1
36"X36"

1000'

STH 36/83 SB

STH 36/83 NB

68'B' 1370'B' 1372'B' 1374'B' 1376'B' 1378'B' 1380'B' 1382'B'

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

DURING CLOSURE

EXIT TO COUNTY A CLOSED	USE ALT ROUTE
FRAME 1	FRAME 2

FOX RIVER

1000'

1500'

RAMP CLOSED AHEAD
W20-53A

PCMS

STH 36/83 SB

STH 36/83 NB

1384'B' 1386'B' 1388'B' 1390'B' 1392'B' 1394'B' 1396'B' 1398'B'

18" CPCP

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - CTH A (2)	SHEET 261	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - CTH A (2)

PLOT DATE : 2/23/2022 8:35 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 44

2

N

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

CTH A NW RAMP

STH 36/83

1372'±

1370'±

1368'±

1366'±

1364'±

CTH A/PLANK RD

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

25'

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

25'

CTH A/PLANK RD

CTH A SE RAMP

STH 36/83

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - CTH A (3)	SHEET 262	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - CTH A (3)

PLOT DATE : 2/23/2022 8:35 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

2

N

FOX RIVER

STH 36/83

S WESTWOOD AVE

DURING CLOSURE

RAMPS TO WIS 36 CLOSED	USE ALT ROUTE
FRAME 1	FRAME 2

RAMP CLOSED AHEAD
W20-53A

PCMS

CTH A/PLANK RD

S RIVER RD

500'

RAMP WILL BE CLOSED
TEXT LINE 1
TEXT LINE 2
TEXT LINE 3
R11-51
48"X48"

500'

RAMP WILL BE CLOSED
TEXT LINE 1
TEXT LINE 2
TEXT LINE 3
R11-51
48"X48"

RAMP CLOSED AHEAD
W20-53A

BROWNS LAKE DR

FOX RIVER

CTH A/PLANK RD

PCMS

DURING CLOSURE

RAMPS TO WIS 36 CLOSED	USE ALT ROUTE
FRAME 1	FRAME 2

STH 36/83

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - CTH A (4)	SHEET 263	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - CTH A (4)

PLOT DATE : 2/23/2022 8:36 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

2

2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

BROWNS LAKE DR

MILWAUKEE AVE

1500'

ROAD WORK AHEAD W20-1A

RAMP CLOSED AHEAD W20-53A

SEVEN WATERS TRAIL

500'

500'

RAMP CLOSED 1000 FT W20-53C

W04-2R

25'

660' LANE DROP TAPER TO CLOSE RAMP. CLOSE MEDIAN LANE FOR NB RAMP CLOSURE AND OUTSIDE LANE FOR SB RAMP CLOSURE. DO NOT CLOSE BOTH RAMPS AT THE SAME TIME.

3 DAYS PRIOR TO RAMP CLOSURE

RAMP TO NB WIS 36 CLOSED	USE ALT ROUTE
FRAME 1	FRAME 2

PCMS

PCMS

192

194

198

MILWAUKEE AVE

R11-2R 48" X 30"

RAMP CLOSED

TYPE III BARRICADE (DO NOT CLOSE BOTH RAMPS AT THE SAME TIME)

3 DAYS PRIOR TO RAMP CLOSURE

RAMP TO SB WIS 36 CLOSED	USE ALT ROUTE
FRAME 1	FRAME 2

FOX RIVER

25'

212

210

208

206

204

202

STH 36/83 NB TO SB RAMP

1390'B'

1392'B'

1394'B'

1396'B'

1398'B'

1400'B'

1402'B'

1404'B'

STH 36/83 SB

STH 36/83 NB

STH 36/83 NB RAMP

200

200

202

18" CPCP

24" CPRC

30" CPRC

54"

FOX RIVER

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - MILWAUKEE AVE INTERCHANGE	SHEET 264	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - MILWAUKEE AVE INTERCHANGE

PLOT DATE : 2/23/2022 8:36 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 44

2

STH 36/83 NB TO SB RAMP 202

STH 36/83 NB RAMP

STH 36/83 SB RAMP

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

RAMP WILL BE CLOSED TEXT LINE 1 TEXT LINE 2 TEXT LINE 3

R11-51 48"X48"

R11-2R 48" X 30" RAMP CLOSED

TYPE III BARRICADE

50'

25'

STH 36/83 SB

STH 36/83 NB

1400'B' 1402'B' 1404'B' 1406'B' 1408'B' 1410'B' 1412'B' 1414'B'

202 204 206 208 210 212 214

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

R11-2R 48" X 30" RAMP CLOSED

TYPE III BARRICADE

DURING CLOSURE

RAMP TO BUS 36 CLOSED	USE ALT ROUTE
FRAME 1	FRAME 2

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

RAMP CLOSED AHEAD W20-53A

SEVEN WATERS TRAIL

1000'

1500'

25'

PCMS

STH 36/83 SB

STH 36/83 NB

1416'B' 1418'B' 1420'B' 1422'B' 1424'B' 1426'B' 1428'B'

STH 36/83 NB

STH 36/83 NB RAMP 214

216

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

FOX RIVER

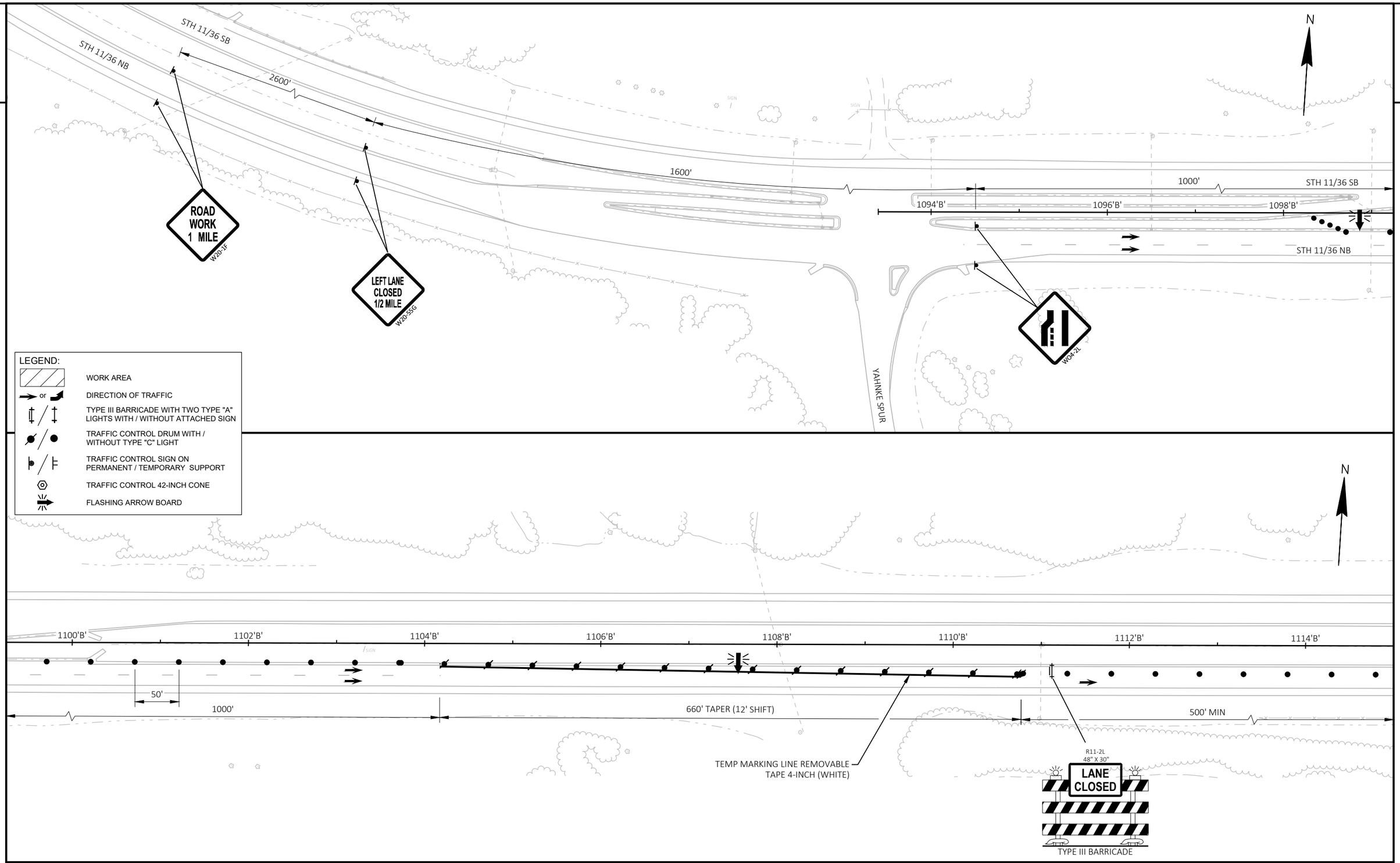
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - MILWAUKEE AVE INTERCHANGE (2)	SHEET 265	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026102-S3 (SIDEROADS).DWG
LAYOUT NAME - - MILWAUKEE AVE INTERCHANGE (2)

PLOT DATE : 2/23/2022 8:37 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 266	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 00
PLOT DATE : 2/22/2022 1:57 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

END ROAD WORK
G20-2A
48"X24"

WO1-6
48" X 24"

ROAD WORK AHEAD
W20-1A

TYPE III BARRICADE

S. PINE ST

354

END ROAD WORK
G20-2A
48"X24"

N

STH 11/36/83 SB

1116'B' 1118'B' 1120'B' 1122'B' 1124'B' 1126'B' 1128'B' 1130'B'

STH 11/36/83 NB

352

REMOVE LANE LINE MARKINGS THAT CONFLICT WITH TRAFFIC CONTROL (TYP)

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

WO1-6
48" X 24"

ROAD WORK AHEAD
W20-1A

TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

STH 83/S. PINE ST

BEGIN LEFT TURN LANE
R3-20L
24"X36"

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

CN RAILROAD

FOX RIVER

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

STH 11/36/83 SB

1132'B' 1134'B' 1136'B' 1138'B' 1140'B' 1142'B' 1144'B' 1146'B'

50'

STH 11/36/83 NB

CN RAILROAD

FOX RIVER

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 267	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 01

PLOT DATE : 2/22/2022 1:58 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC (or)
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

BREVER ROAD

STH 11/36/83 SB

STH 11/36/83 NB

1148'B' 1150'B' 1152'B' 1154'B' 1156'B' 1158'B' 1160'B' 1162'B'

50'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BUSHNELL RD/STH 142

STH 142 NE RAMP

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

STH 142 SW RAMP

ROAD WORK AHEAD
W20-1A

1164'B' 1166'B' 1168'B' 1170'B' 1172'B' 1174'B' 1176'B'

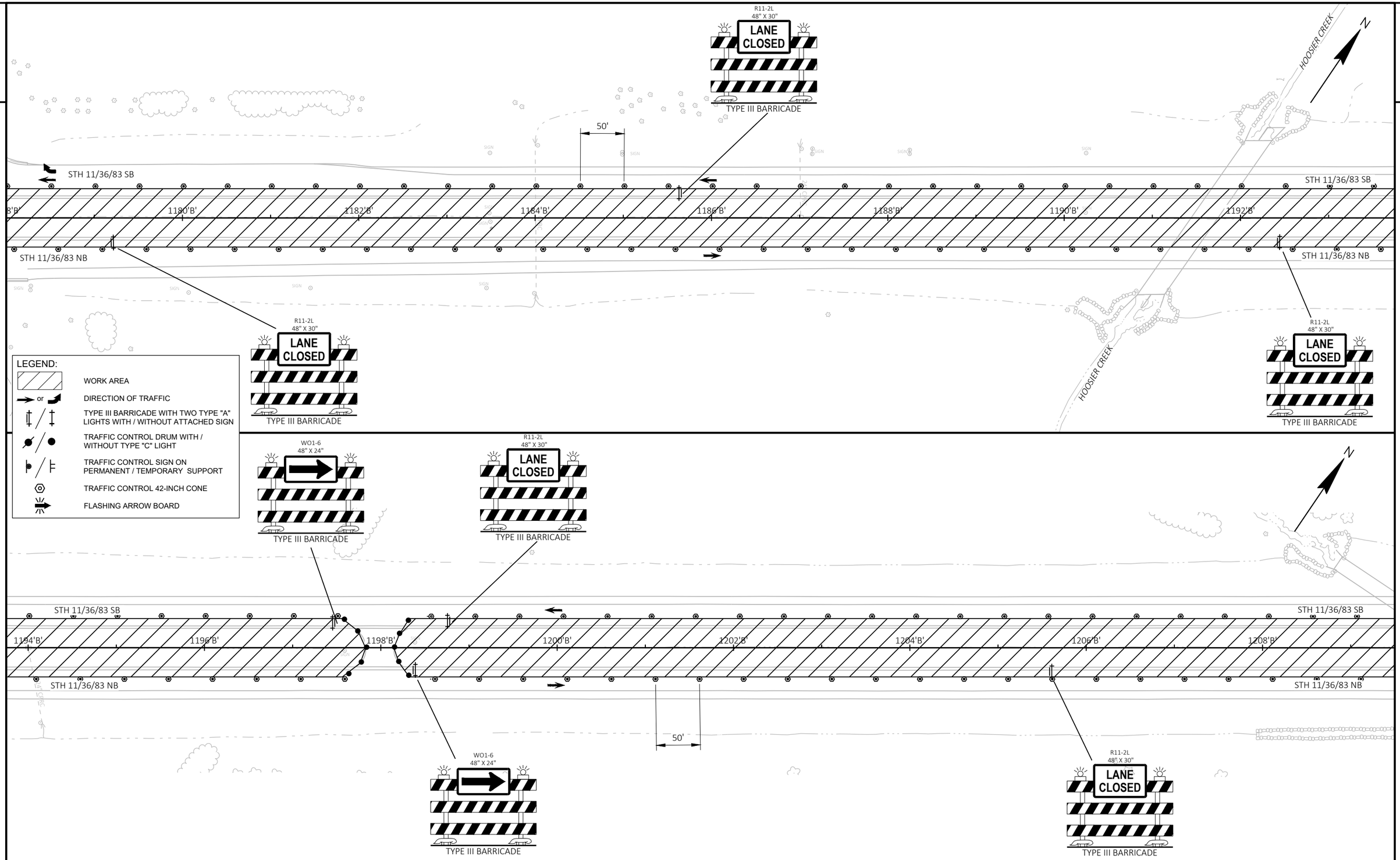
50'

END ROAD WORK
G20-2A
48"X24"

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 268	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 02
PLOT DATE : 2/22/2022 1:58 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 269	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 03

PLOT DATE : 2/22/2022 1:59 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50'

WHITE RIVER STATE TRAIL

STH 11/36/83 SB

STH 11/36/83 NB

1210'B' 1212'B' 1214'B' 1216'B' 1218'B' 1220'B' 1222'B' 1224'B'

24" CPMC

48" CPMC

SIGN

WHITE RIVER STATE TRAIL

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 11/36/83 SB

STH 11/36/83 NB

1226'B' 1228'B' 1230'B' 1232'B' 1234'B' 1236'B' 1238'B' 1240'B'

24" CPMC

50'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WHITE RIVER STATE TRAIL

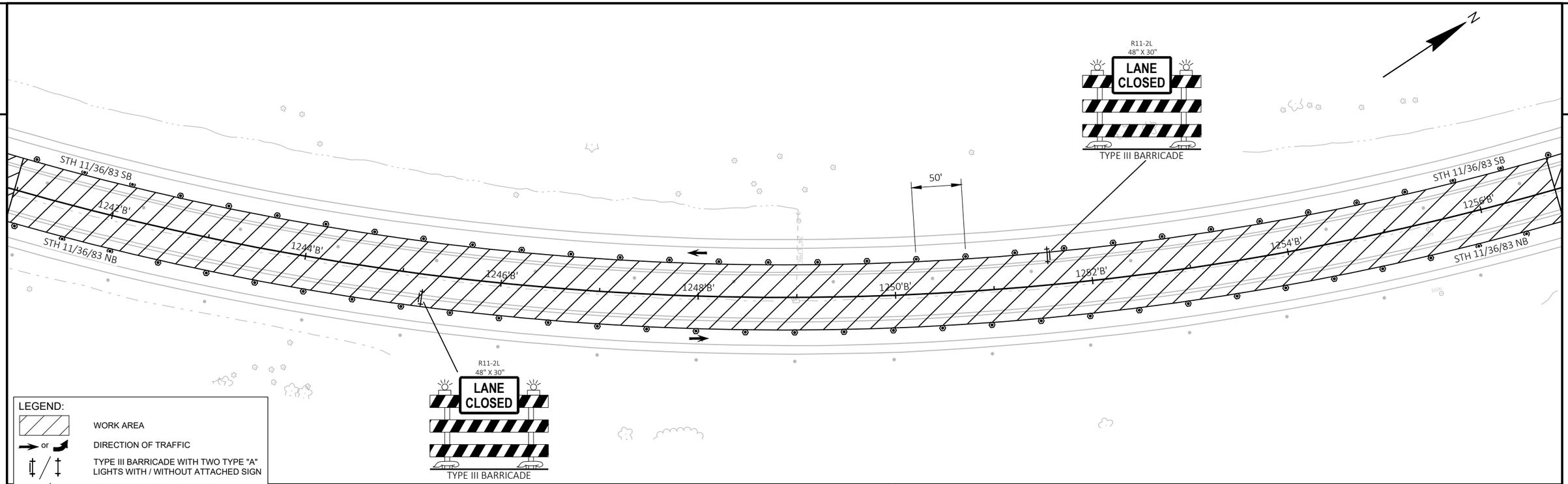
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 270	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 04

PLOT DATE : 2/22/2022 1:59 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

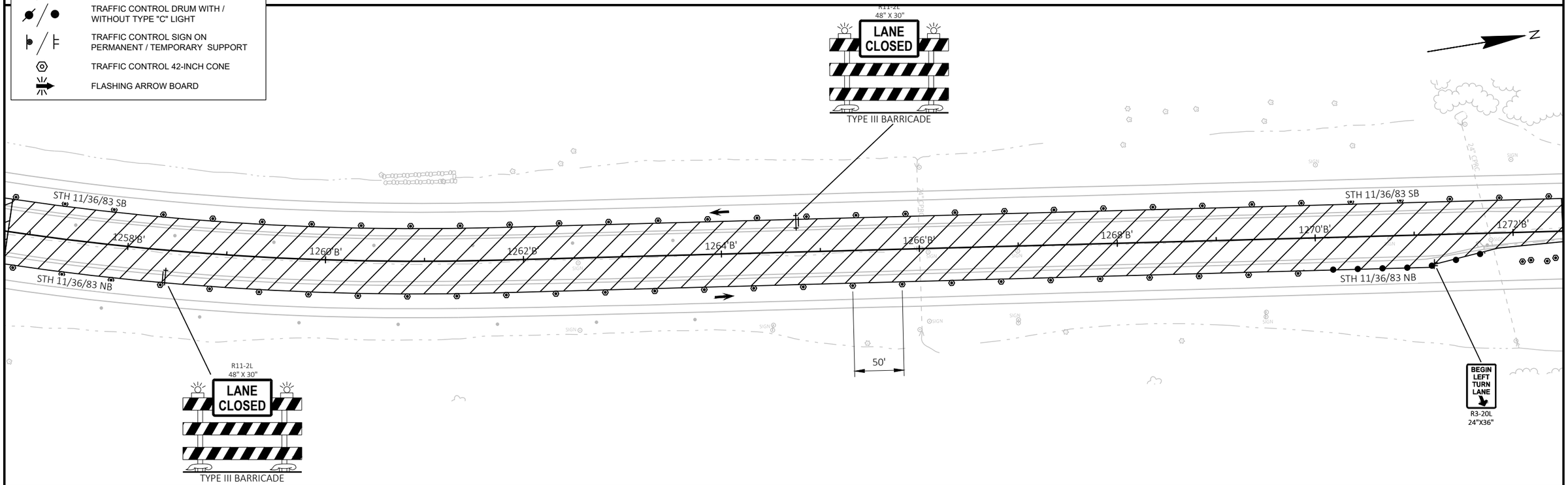
WISDOT/CADDS SHEET 44

2



LEGEND:

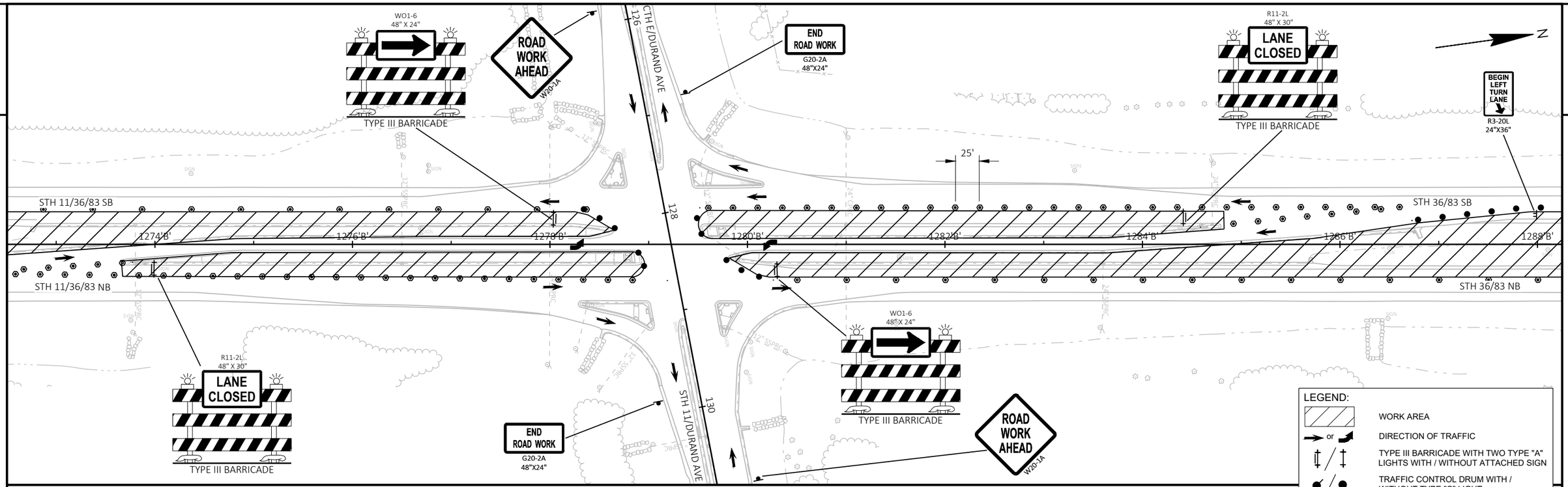
- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 271	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 05
PLOT DATE : 2/22/2022 2:00 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

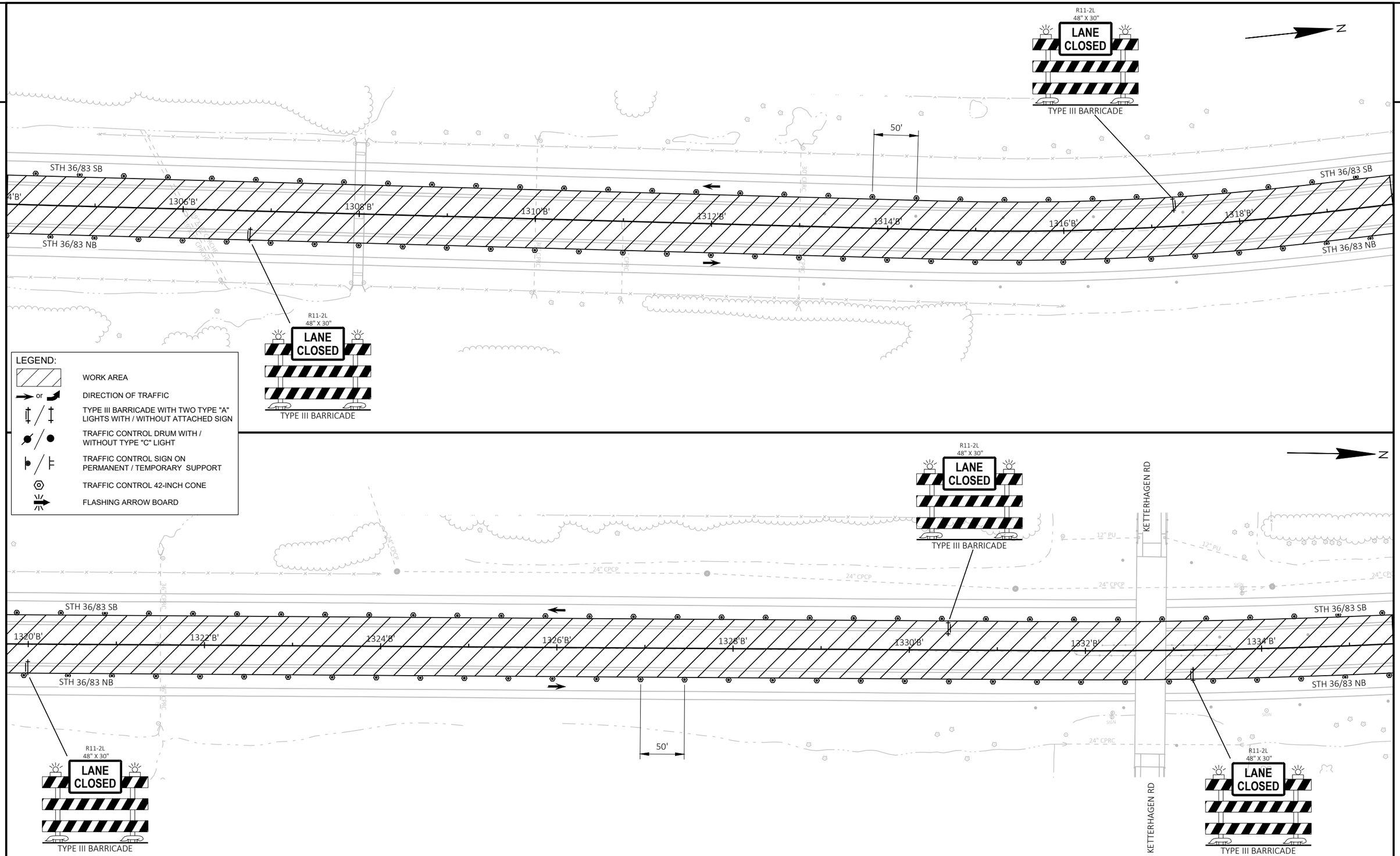


PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 272	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 06

PLOT DATE : 2/22/2022 2:00 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 273	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 07
PLOT DATE : 2/22/2022 2:01 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50'

STH 36/83 SB
STH 36/83 NB
1336'B'
1338'B'
1340'B'
1342'B'
1344'B'
1346'B'
1348'B'
1350'B'

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 36/83 SB
STH 36/83 NB
1352'B'
1354'B'
1356'B'
1358'B'
1360'B'
1362'B'
1364'B'
1366'B'

50'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

CTH A SE RAMP

ROAD WORK AHEAD
W20-1A

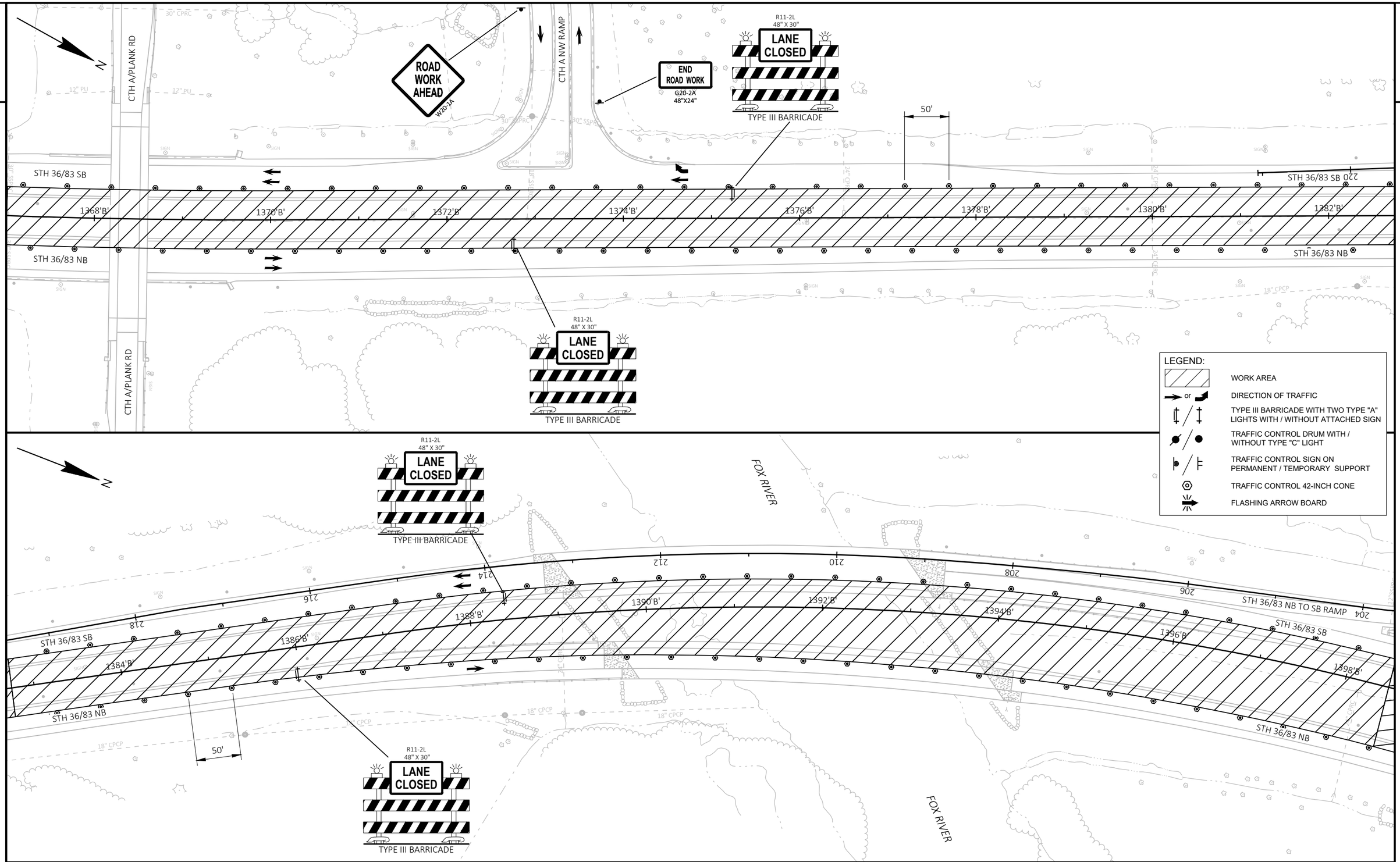
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 274	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 08

PLOT DATE : 2/22/2022 2:01 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 275	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 09
PLOT DATE : 2/22/2022 2:02 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

ROAD WORK AHEAD W20-1A

WO1-6 48" X 24"

TYPE III BARRICADE

STH 36/83 NB TO SB RAMP

202

STH 36/83 NB RAMP

204

50'

STH 36/83 SB RAMP

206

END ROAD WORK G20-2A 48"X24"

SEVEN WATERS TRAIL

N

36 83 SOUTH TO 11 BYPASS Elkhorn

COVER ARROW

208

210

STH 36/83 SB

1400'B'

1402'B'

1404'B'

1406'B'

1408'B'

1410'B'

1412'B'

1414'B'

STH 36/83 NB

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

WO1-6 48" X 24"

TYPE III BARRICADE

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

212

STH 36/83 NB RAMP

214

ROAD WORK AHEAD W20-1A

LEGEND:

- WORK AREA
- or DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

SEVEN WATERS TRAIL

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

STH 36/83 SB

1416'B'

1418'B'

1420'B'

1422'B'

1424'B'

1426'B'

1428'B'

STH 36/83 NB

STH 36/83 SB

STH 36/83 NB

216

STH 36/83 NB RAMP

214

50'

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

FOX RIVER

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 276	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 10

PLOT DATE : 2/22/2022 2:02 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

FOX RIVER

WO1-6
48" X 24"
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

N. RIVER RD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

50'

STH 36/83 SB

STH 36/83 NB

D'B'

230 232 234 236 238 240 242

18" CPRC

24" CPRC

20

18

16

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

N. RIVER RD

ROAD WORK AHEAD
W20-1A

WO1-6
48" X 24"
TYPE III BARRICADE

STH 36/83 SB

STH 36/83 NB

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24"X36"

100'

50'

660' TAPER (12' SHIFT)

1000'

STH 36/83 SB

STH 36/83 NB

244 246 248 250 252 254 256 258

24" CPRC

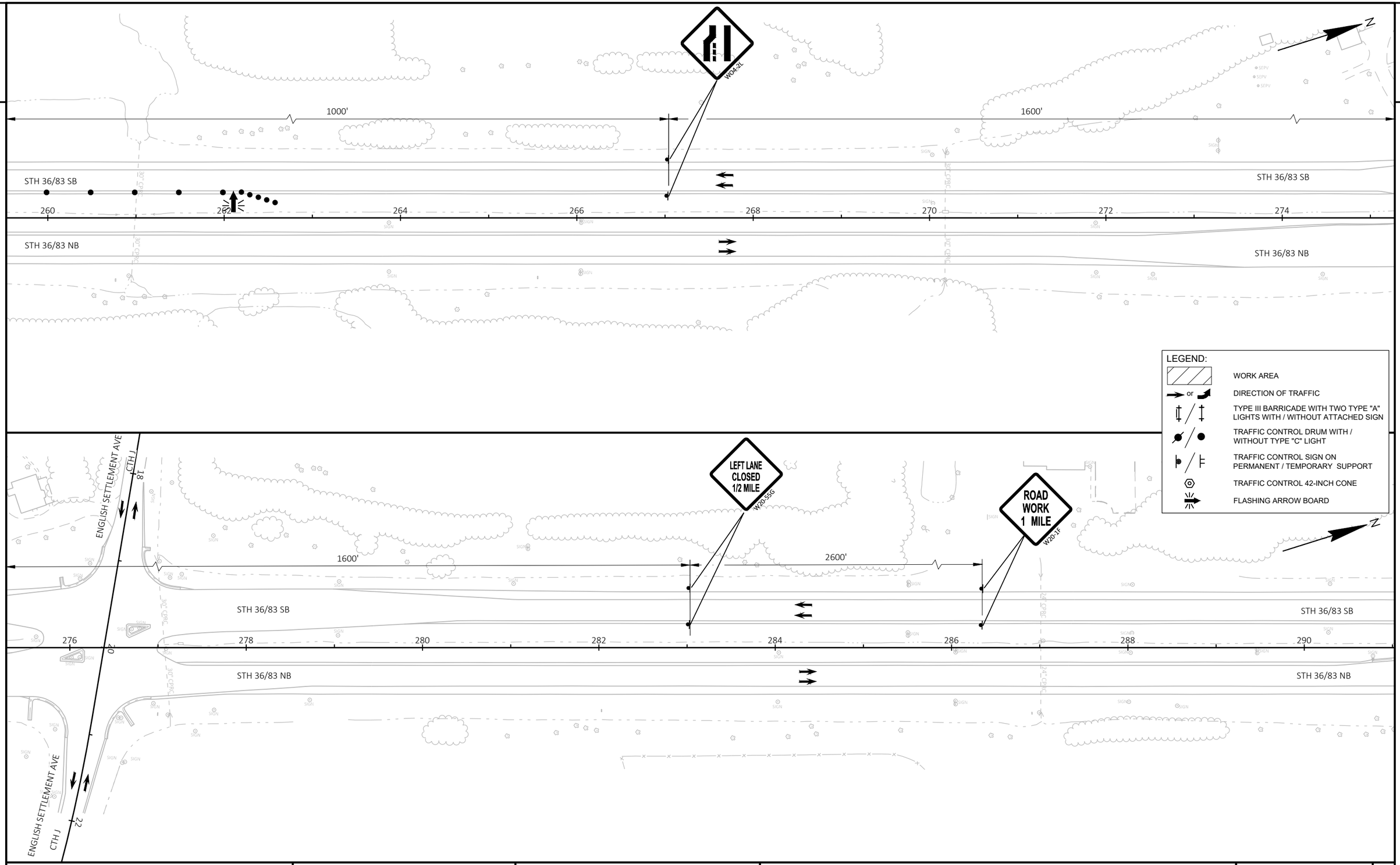
TEMP MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

END ROAD WORK
G20-2A
48"X24"

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 277	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 11

PLOT DATE : 2/22/2022 2:03 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT



2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - BYPASS - STAGE 4	SHEET 278	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026101-S4.DWG
LAYOUT NAME - 12
PLOT DATE : 2/22/2022 2:03 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

N

EVERGREEN DR

STH 36

WORK AREA

SIDEWALK CLOSED
CROSS HERE
R9-11AR
24"X12"
(ON TYPE II
BARRICADE)

SIDEWALK
CLOSED
R9-9
24"X12"
(ON TYPE II
BARRICADE)

STH 20/STH 83/BECK DR

STH 20/STH 83/BECK DR

SIDEWALK CLOSED
CROSS HERE
R9-11AL
24"X12"
(ON TYPE II
BARRICADE)

SIDEWALK
CLOSED
R9-9
24"X12"
(ON TYPE II
BARRICADE)

SIGN

CANOPY

CANOPY

EVERGREEN DR

BUCK RD

2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - PEDESTRIAN ACCOMODATIONS	SHEET 279	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\025201- PEDESTRIAN TC.DWG
LAYOUT NAME - STH 20-STH 83-BECK DR

PLOT DATE : 1/31/2022 1:13 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

STH 36/83 SB

STH 36/83 NB

1336'B' 1338'B' 1340'B' 1342'B' 1344'B' 1346'B' 1348'B' 1350'B'

2600'

ROAD WORK 1 MILE W20-1F

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

N

STH 36/83 SB

STH 36/83 NB

1352'B' 1354'B' 1356'B' 1358'B' 1360'B' 1362'B' 1364'B' 1366'B'

2600'

RIGHT LANE CLOSED 1/2 MILE W20-5G

CTH A SE RAMP

ROAD WORK AHEAD W20-1A

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 1	SHEET 280	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S1.DWG
LAYOUT NAME - 08

PLOT DATE : 2/23/2022 11:33 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

CTH A/PLANK RD

CTH A NW RAMP

STH 36/83 SB

STH 36/83 NB

1368'B' 1370'B' 1372'B' 1374'B' 1376'B' 1378'B' 1380'B' 1382'B'

220

50'

660' TAPER (12-FT SHIFT)

W04-2R

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

FOX RIVER

218 216 214 212 210 208 206 204

1384'B' 1386'B' 1388'B' 1390'B' 1392'B' 1394'B' 1396'B' 1398'B'

STH 36/83 NB TO SB RAMP

660' TAPER (12-FT SHIFT)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

FOX RIVER

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 1	SHEET 281	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S1.DWG
LAYOUT NAME - 09

PLOT DATE : 2/23/2022 11:33 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

ROAD WORK AHEAD
W20-1A

STH 36/83 NB TO SB RAMP
202
STH 36/83 NB RAMP
204
STH 36/83 SB RAMP
206
208
210
212
214

STH 36/83 SB
STH 36/83 NB
SEVEN WATERS TRAIL

1400'B'
1402'B'
1404'B'
1406'B'
1408'B'
1410'B'
1412'B'
1414'B'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50'

WO4-1R
(PLACE 800' IN ADVANCE OF GORE)

WO4-5
48"X48"

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

END ROAD WORK
G20-2A
48"X24"

100' TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

1416'B'
1418'B'
1420'B'
1422'B'
1424'B'
1426'B'
1428'B'

STH 36/83 NB RAMP
216

12'
24'
25'

300' SHIFT
600' MIN
300' TAPER (12' SHIFT)
500' MIN BUFFER

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

FOX RIVER

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

300' TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH 3' LINE, 9' GAP (WHITE)

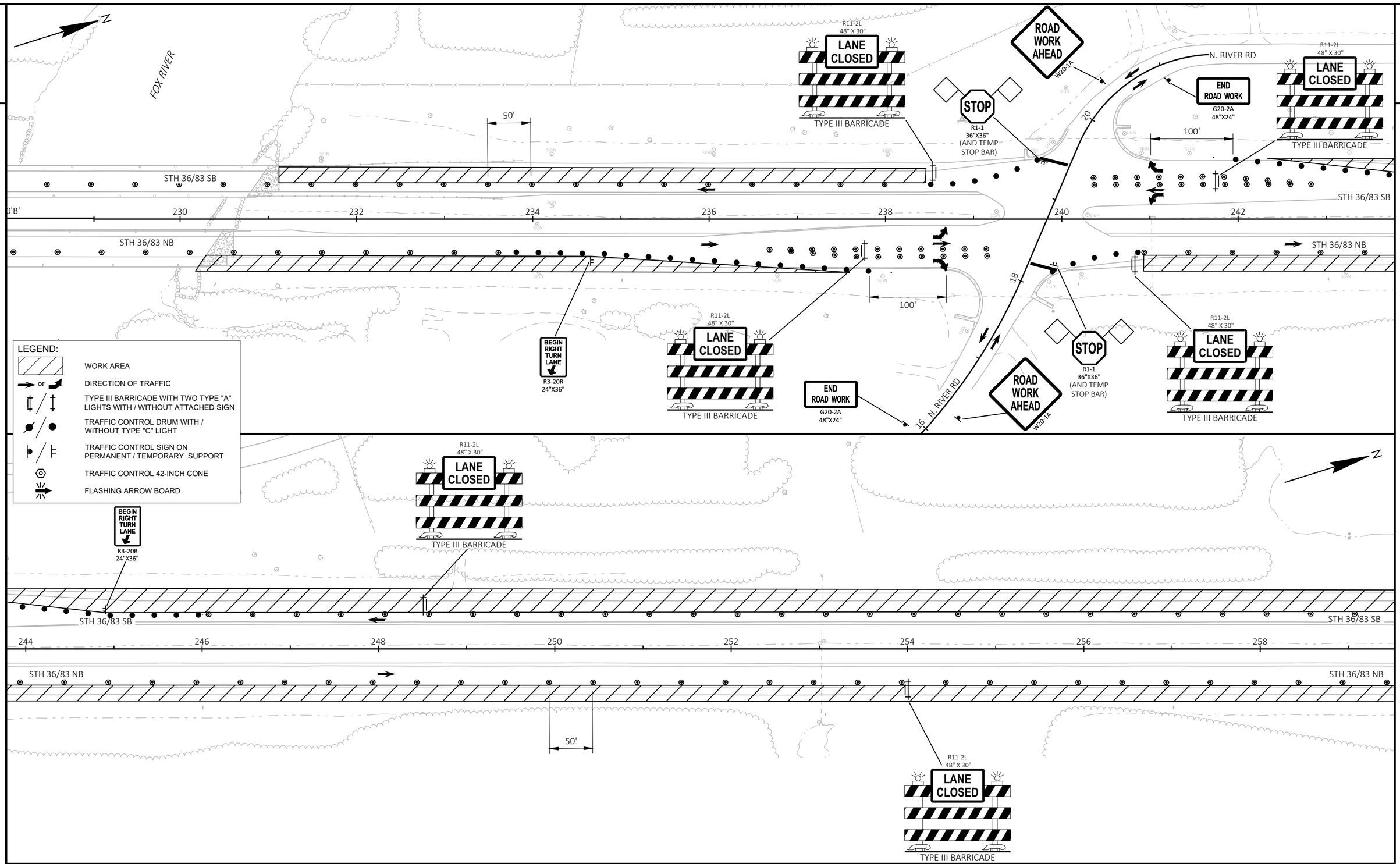
REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TRAFFIC CONTROL

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 1	SHEET 282	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S1.DWG
LAYOUT NAME - 10

PLOT DATE : 2/23/2022 11:34 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 1	SHEET 283	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S1.DWG
LAYOUT NAME - 11

PLOT DATE : 2/23/2022 11:34 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50'

STH 36/83 SB

260 262 264 266 268 270 272 274

STH 36/83 NB

100'

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

STOP
R1-1
36"X36"
(AND TEMP STOP BAR)

CTH J/ENGLISH SETTLEMENT AVE

100'

25'

50'

276 278 280 282 284 286 288 290

100'

ROAD WORK AHEAD
W20-1A
END ROAD WORK
G20-2A
48"X24"
STOP
R1-1
36"X36"
CTH J/ENGLISH SETTLEMENT AVE

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 1	SHEET 284	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S1.DWG
LAYOUT NAME - 12
PLOT DATE : 2/23/2022 11:35 AM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STOP
R1-1
36"X36"
(AND TEMP STOP BAR)

ROAD WORK AHEAD
W20-1A

CTH D/WASHINGTON AVE

END ROAD WORK
G20-2A
48"X24"

SIGNALIZED INTERSECTION

100'

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

STH 36/83 SB

STH 36/83 NB

292 294 296 298 300 302 304 306

25'

50'

22

FLAG

SEVEN WATERS TRAIL

WIND LAKE DRAINAGE CANAL

308 310 312 314 316 318 320 322

LEGEND:

- WORK AREA
- or DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 1	SHEET 285	E

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

SEVEN WATERS TRAIL

HIDDEN CIRCLE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

50'

STH 36/83 SB

324 326 328 330 332 334 336 338

STH 36/83 NB

WIND LAKE DRAINAGE CANAL

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

STOP
R1-1
36"X36"
(AND TEMP STOP BAR)

ROAD WORK AHEAD
W20-1A

STH 20/83/BECK DR
404

END ROAD WORK
G20-2A
48"X24"

100'

END PROJECT
STA 351+75

STH 36 SB

340 342 344 346 348 350 352

STH 36/83 NB

STH 36 NB

406

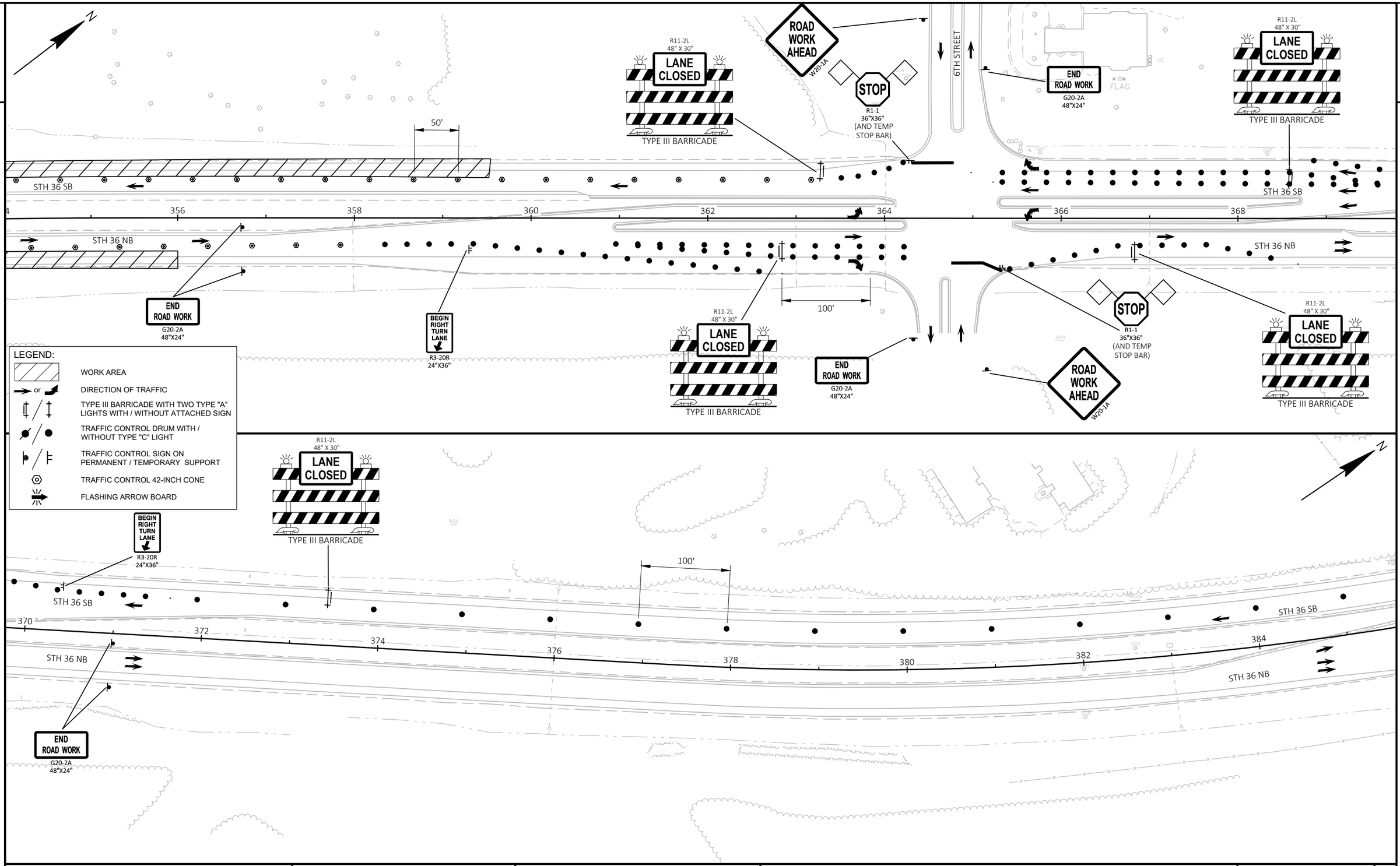
402

STH 20/BECK DR
104

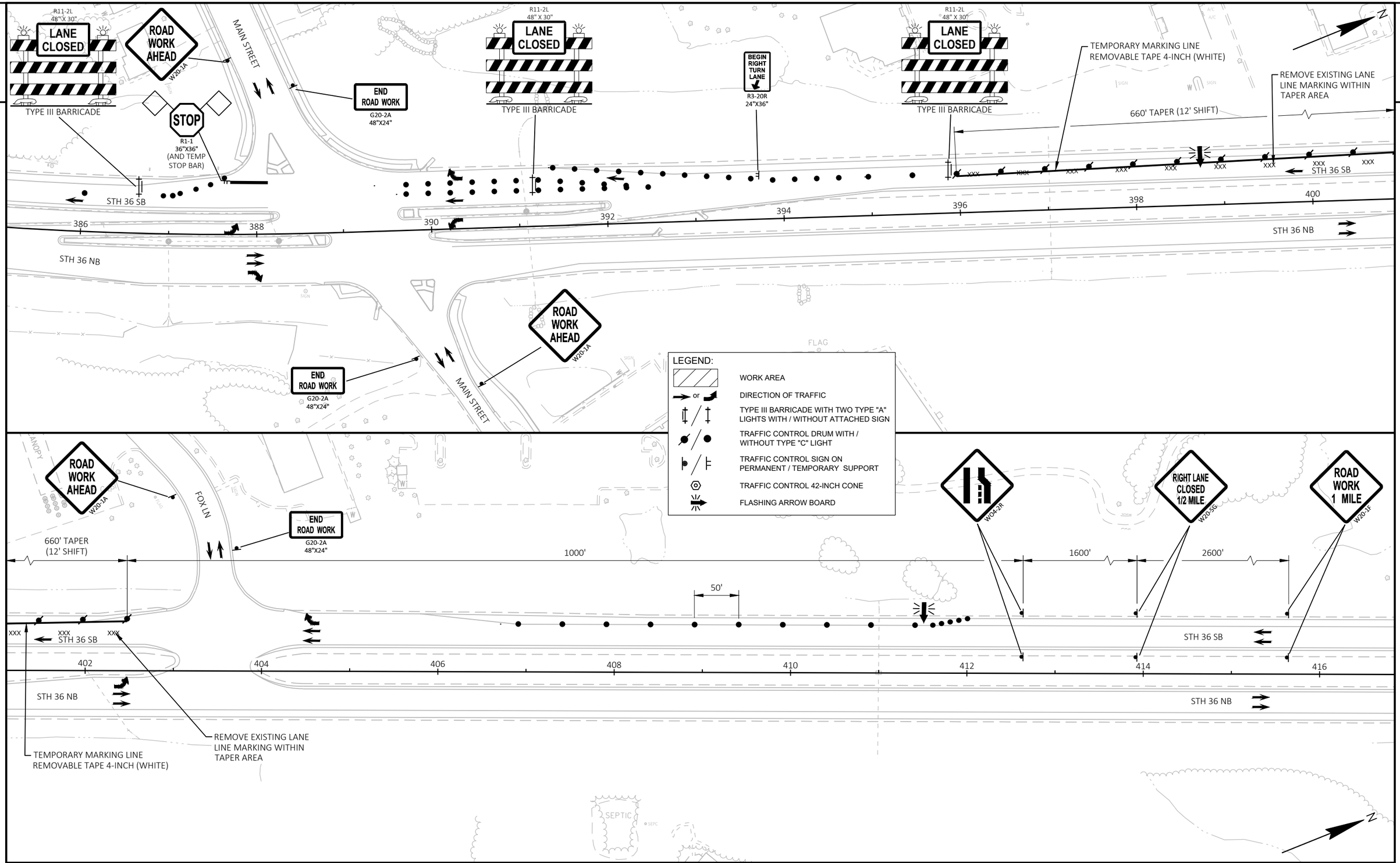
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 1	SHEET 286	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S1.DWG
LAYOUT NAME - 14
PLOT DATE : 2/23/2022 11:36 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 1	SHEET 287 E



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 1	SHEET 288	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S1.DWG
LAYOUT NAME - 16
PLOT DATE : 2/23/2022 11:37 AM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

CTH A/PLANK RD

CTH A NW RAMP

STH 36/83 SB

STH 36/83 NB

1368'B' 1370'B' 1372'B' 1374'B' 1376'B' 1378'B' 1380'B' 1382'B'

STH 36/83 SB 220

STH 36/83 NB

2600' 1600' 1000' 660' TAPER (12' SHIFT)

ROAD WORK 1 MILE W20-1F

LEFT LANE CLOSED 1/2 MILE W20-5SG

W04-2L

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (YELLOW)

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

FOX RIVER

STH 36/83 SB

STH 36/83 NB

1384'B' 1386'B' 1388'B' 1390'B' 1392'B' 1394'B' 1396'B' 1398'B'

218 216 214 212 210 208 206 204

STH 36/83 NB TO SB RAMP

660' TAPER (12' SHIFT)

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

FOX RIVER

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 2	SHEET 289	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S2.DWG
LAYOUT NAME - 09

PLOT DATE : 2/24/2022 9:45 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

STH 36/83 NB TO SB RAMP

202

STH 36/83 NB RAMP

204

STH 36/83 SB RAMP

206

208

210

212

214

STH 36/83 SB

STH 36/83 NB

SEVEN WATERS TRAIL

1400'B'

1402'B'

1404'B'

1406'B'

1408'B'

1410'B'

1412'B'

1414'B'

50'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

220' TAPER (4' SHIFT)

W04-1R

W04-5
48"X48"

ROAD WORK AHEAD
W20-1A

STH 36/83 NB RAMP

LEGEND:

- WORK AREA
- or DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

END ROAD WORK
G20-2A
48"X24"

SEVEN WATERS TRAIL

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (YELLOW)

200' TAPER (3.5' SHIFT)

STH 36/83 SB

STH 36/83 SB

TEMPORARY MARKING LINE
PAINT 8-INCH (WHITE)

220' TAPER
(4' SHIFT)

1416'B'

1418'B'

1420'B'

1422'B'

1424'B'

1426'B'

1428'B'

STH 36/83 NB

12'

216

15'

STH 36/83 NB RAMP

214

600' MIN

50'

23'

300' TAPER (12-FT SHIFT)

STH 36/83 NB

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (YELLOW)

REMOVE ON RAMP
GORE MARKING THAT
CONFLICTS WITH
TRAFFIC CONTROL

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
3-FT LINE 9-FT GAP FOR 150 FEET

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

FOX RIVER

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 2	SHEET 290	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S2.DWG
LAYOUT NAME - 10

PLOT DATE : 2/24/2022 9:46 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

TEMPORARY MARKING LINE REMOVABLE TAPE

TEMPORARY MARKING LINE PAINT

FOX RIVER

50' TAPER
(0.5' SHIFT)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

W01-6
48" X 24"
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

N. RIVER RD

END ROAD WORK
G20-2A
48"X24"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

STH 36/83 SB

STH 36/83 NB

'B'

230 232 234 236 238 240 242

20

100' 125'

11' 10'

N

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

BEGIN LEFT TURN LANE
R3-20L
24"X36"

125' 100'

10' 11'

END ROAD WORK
G20-2A
48"X24"

16 N. RIVER RD

ROAD WORK AHEAD
W20-1A

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50'

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

STH 36/83 SB

STH 36/83 NB

244 246 248 250 252 254 256 258

BEGIN LEFT TURN LANE
R3-20L
24"X36"

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 2	SHEET 291	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S2.DWG
LAYOUT NAME - 11

PLOT DATE : 2/24/2022 9:46 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50'

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

WO1-6
48" X 24"
TYPE III BARRICADE

STH 36/83 SB

260 262 264 266 268 270 272 274

STH 36/83 NB

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24"X36"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

125'
100'
10'
11'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

CTH J/ENGLISH SETTLEMENT AVE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

100'
125'
10'
11'

STH 36/83 SB

276 278 280 282 284 286 288 290

STH 36/83 NB

50'

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

STH 36/83 SB

STH 36/83 NB

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

WO1-6
48" X 24"
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24"X36"

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

CTH J/ENGLISH SETTLEMENT AVE

100'

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 2	SHEET 292	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S2.DWG
LAYOUT NAME - 12

PLOT DATE : 2/24/2022 9:47 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

ROAD WORK AHEAD
W20-3A

WO1-6
48" X 24"
TYPE III BARRICADE

STH 36/83 SB

STH 36/83 NB

292 294 296

10'

11'

125' 100'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

END ROAD WORK
G20-2A
48"X24"

CTH D/WASHINGTON AVE

20

22

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-3A

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

100' 125'

11'

10'

298 300 302 304 306

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

BEGIN LEFT TURN LANE
R3-20L
24"X36"

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

STH 36/83 SB

STH 36/83 NB

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

SEVEN WATERS TRAIL

WIND LAKE DRAINAGE CANAL

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

50'

STH 36/83 SB

STH 36/83 NB

308 310 312 314 316 318 320 322

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 2	SHEET 293	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S2.DWG
LAYOUT NAME - 13

PLOT DATE : 2/24/2022 9:47 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

N

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

SEVEN WATERS TRAIL

50'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WO1-6
48" X 24"
TYPE III BARRICADE
(SIGNS ON BOTH SIDES
OF BARRICADE)

ONLY
R3-50R
30"X36"

HIDDEN CIRCLE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
(SIGNS ON BOTH SIDES
OF BARRICADE)

STH 36/83 SB

STH 36/83 NB

324 326 328 330 332 334 336 338

WIND LAKE
DRAINAGE CANAL

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

R3-2
24"X24"

100'

BEGIN
LEFT
TURN
LANE
R3-20L
24"X36"

ROAD
WORK
AHEAD
W20-1A

STH 20/83/BECK DR
104

R3-2
24"X24"

WO1-6
48" X 24"
TYPE III BARRICADE

STH 36/83 SB

STH 36/83 NB

340 342 344

125' 100'

10' 11'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN
RIGHT
TURN
LANE
R3-20R
24"X36"

END
ROAD WORK
G20-2A
48"X24"

STH 20/BECK DR
104

ROAD
WORK
AHEAD
W20-1A

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN
RIGHT
TURN
LANE
R3-20R
24"X36"

END
ROAD WORK
G20-2A
48"X24"

STH 20/83/BECK DR
104

406

102

100' 125'

11' 10'

346 348 350 352

STH 36 SB

STH 36 NB

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (YELLOW)

BEGIN
LEFT
TURN
LANE
R3-20L
24"X36"

100'

WO1-6
48" X 24"
TYPE III BARRICADE

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

END PROJECT
STA 351+75

220' TAPER (4' SHIFT)

N

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 2	SHEET 294	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S2.DWG
LAYOUT NAME - 14

PLOT DATE : 2/24/2022 9:48 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

220' TAPER (4' SHIFT)

50'

STH 36 SB

STH 36 NB

220' TAPER (4'SHIFT)

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

WO1-6
48" X 24"
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

100'

END ROAD WORK
G20-2A
48"X24"

6TH STREET

FLAG

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 36 SB

STH 36 NB

WO1-6
48" X 24"
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

356 358 360 362 364 366 368

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

BEGIN LEFT TURN LANE
R3-20L
24"X36"

100'

100'

STH 36 SB

STH 36 NB

370 372 374 376 378 380 382 384

END ROAD WORK
G20-2A
48"X24"

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 2	SHEET 295	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S2.DWG
LAYOUT NAME - 15

PLOT DATE : 2/24/2022 9:48 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

WO1-6
48" X 24"

ROAD WORK AHEAD
W20-1A

TYPE III BARRICADE

MAIN STREET

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24"X36"

100'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (YELLOW)

660' TAPER (12' SHIFT)

STH 36 SB

STH 36 NB

386 388 390 392 394 396 398 400

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

MAIN STREET

FLAG

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

ROAD WORK AHEAD
W20-1A

FOX LANE

END ROAD WORK
G20-2A
48"X24"

660' TAPER
(12' SHIFT)

1000'

STH 36 SB

STH 36 NB

402 404 406 408 410 412 414 416

WO4-2L

1600'

LEFT LANE CLOSED 1/2 MILE
W20-5SG

2600'

ROAD WORK 1 MILE
W20-1F

STH 36 SB

STH 36 NB

SEPTIC

2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 2	SHEET 296	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S2.DWG
LAYOUT NAME - 16

PLOT DATE : 2/28/2022 5:50 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

WO1-6
48" X 24"

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

TYPE III BARRICADE

ONLY
R3-50R
30"X36"

ROAD WORK AHEAD
W20-1A

500'

N. RIVER RD

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

R3-2
24"X24"

25'

STH 36/83 SB

STH 36/83 SB

234 236 238 240 242 244 246 248

STH 36/83 NB

STH 36/83 NB

24" CMP

N. RIVER RD

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

R3-2
24"X24"

ONLY
R3-50R
30"X36"

500'

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

WO1-6
48" X 24"

TYPE III BARRICADE

N. RIVER RD

ROAD WORK AHEAD
W20-1A

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 - OFF PEAK CLOSURE - N RIVER RD	SHEET 297	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026202-S2 (SIDEROADS).DWG
LAYOUT NAME - - N River Rd

PLOT DATE : 2/25/2022 8:03 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND:

- WORK AREA
- or — DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

STH 36/83 SB

STH 36/83 NB

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-2
24"X24"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

WO1-6
48" X 24"
TYPE III BARRICADE

ONLY
R3-50R
30"X36"

ROAD WORK AHEAD
W20-1A

500'

CTH J/ENGLISH SETTLEMENT AVE

287

278

276

274

272

25'

2

2

WO1-6
48" X 24"
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-2
24"X24"

CTH D/WASHINGTON AVE

STH 36/83 SB

STH 36/83 NB

290 292 294 296 298 300 302 304

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-2
24"X24"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

WO1-6
48" X 24"
TYPE III BARRICADE

N

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

CTH D/WASHINGTON AVE

PCMS

500'

500'

25'

RIGHT TURN ONLY
AT WIS 36/83
FRAME 1 FRAME 2

ROAD WORK AHEAD
W20-1A

STH 36/83

298

296

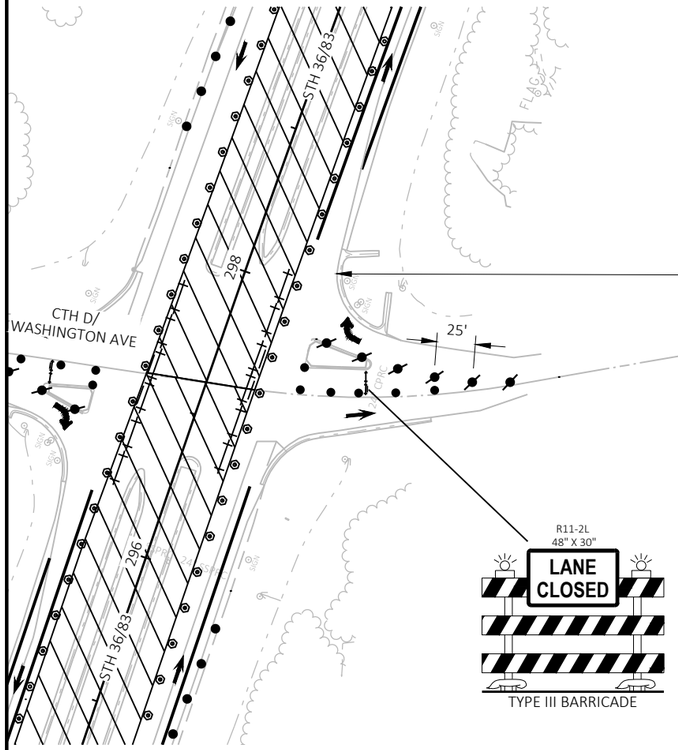
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 - OVERNIGHT CLOSURE - CTH D-WASHINGTON AVE	SHEET 299	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026202-S2 (SIDEROADS).DWG
LAYOUT NAME - - CTH D-WASHINGTON AVE

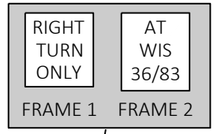
PLOT DATE : 2/25/2022 8:04 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2











LEGEND:

- WORK AREA
- or — DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 - OVERNIGHT CLOSURE - CTH D-WASHINGTON AVE (2)	SHEET 300	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026202-S2 (SIDEROADS).DWG
LAYOUT NAME - - CTH D-WASHINGTON AVE (2)

PLOT DATE : 2/25/2022 8:04 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

2

N

EB	USE
WIS 20	COUNTY D
FRAME 1	FRAME 2

TO BE IN PLACE ONLY DURING THE 84 HOUR WEEKEND CLOSURE AT STH 20
(PLACE ONE PCMS JUST SOUTH OF STH 20.
PLACE A SECOND PCMS IN ADVANCE OF THE LEFT TURN LANE AT CTH D)

PCMS

PCMS

STH 36/83 SB

STH 36/83 NB

338 340 342 344 346 348 350 352

STH 36 SB

STH 36 NB

WO1-6
48" X 24"
TYPE III BARRICADE

STH 20/83/BECK DR

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

CANOPY

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-2
24"X24"

R3-2
24"X24"

R3-2
24"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

STH 20/BECK DR

WO1-6
48" X 24"
TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC (→ or ↱)
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 36

345

344

STH 36

N

STH 20/83/BECK DR

STH 20/83/BECK DR

STH 20/BECK DR

PCMS

500'

500'

25'

RIGHT TURN ONLY	AT WIS 36/83
FRAME 1	FRAME 2

ROAD WORK AHEAD
W20-1A

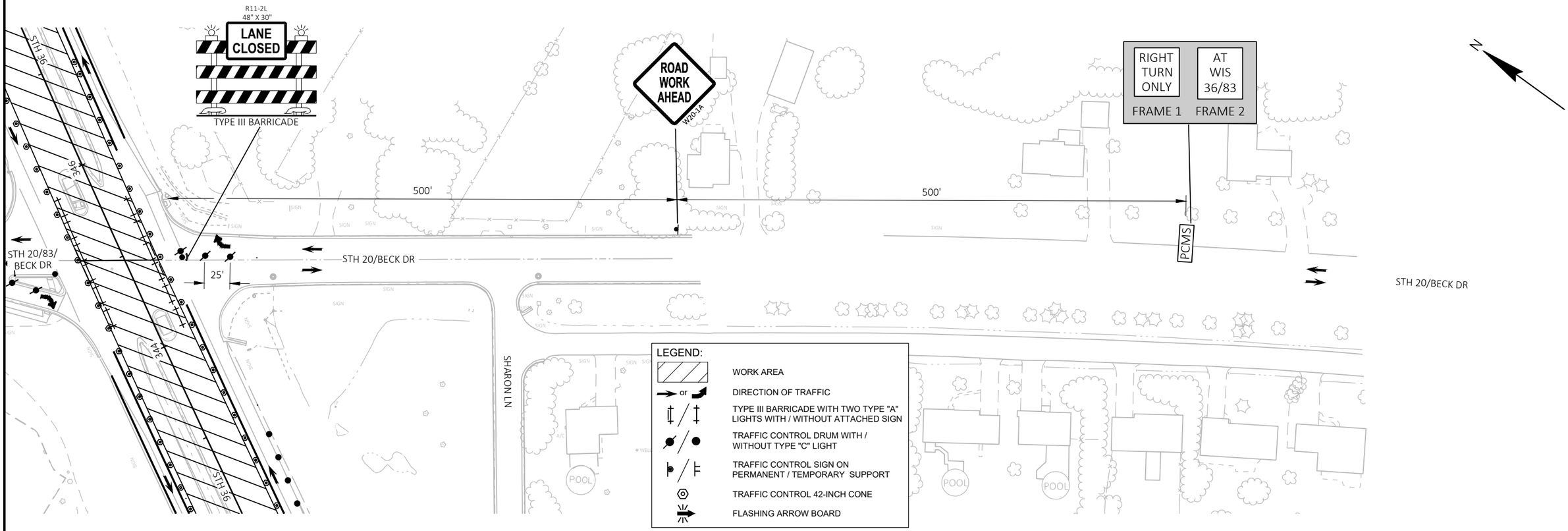
CANOPY

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 - WEEKEND/OVERNIGHT CLOSURES - STH 20-BECK DR	SHEET 301	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026202-S2 (SIDEROADS).DWG
LAYOUT NAME - - STH 20-BECK DR

PLOT DATE : 2/25/2022 8:05 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 2 - WEEKEND/OVERNIGHT CLOSURES - STH 20-BECK DR (2)	SHEET 302	E

2

2

N

STH 36/83 SB

STH 36/83 NB

1336'B' 1338'B' 1340'B' 1342'B' 1344'B' 1346'B' 1348'B' 1350'B'

24" CPCP 18" CPCP 12" CPRC 24" CPRC 12" SSPRC SIGN

2600'

ROAD WORK 1 MILE W20-1F

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

N

STH 36/83 SB

STH 36/83 NB

1352'B' 1354'B' 1356'B' 1358'B' 1360'B' 1362'B' 1364'B' 1366'B'

24" CPCP 12" CPRC 24" CPRC 12" SSPRC INL SIGN

2600'

RIGHT LANE CLOSED 1/2 MILE W20-5G

CTH A SE RAMP

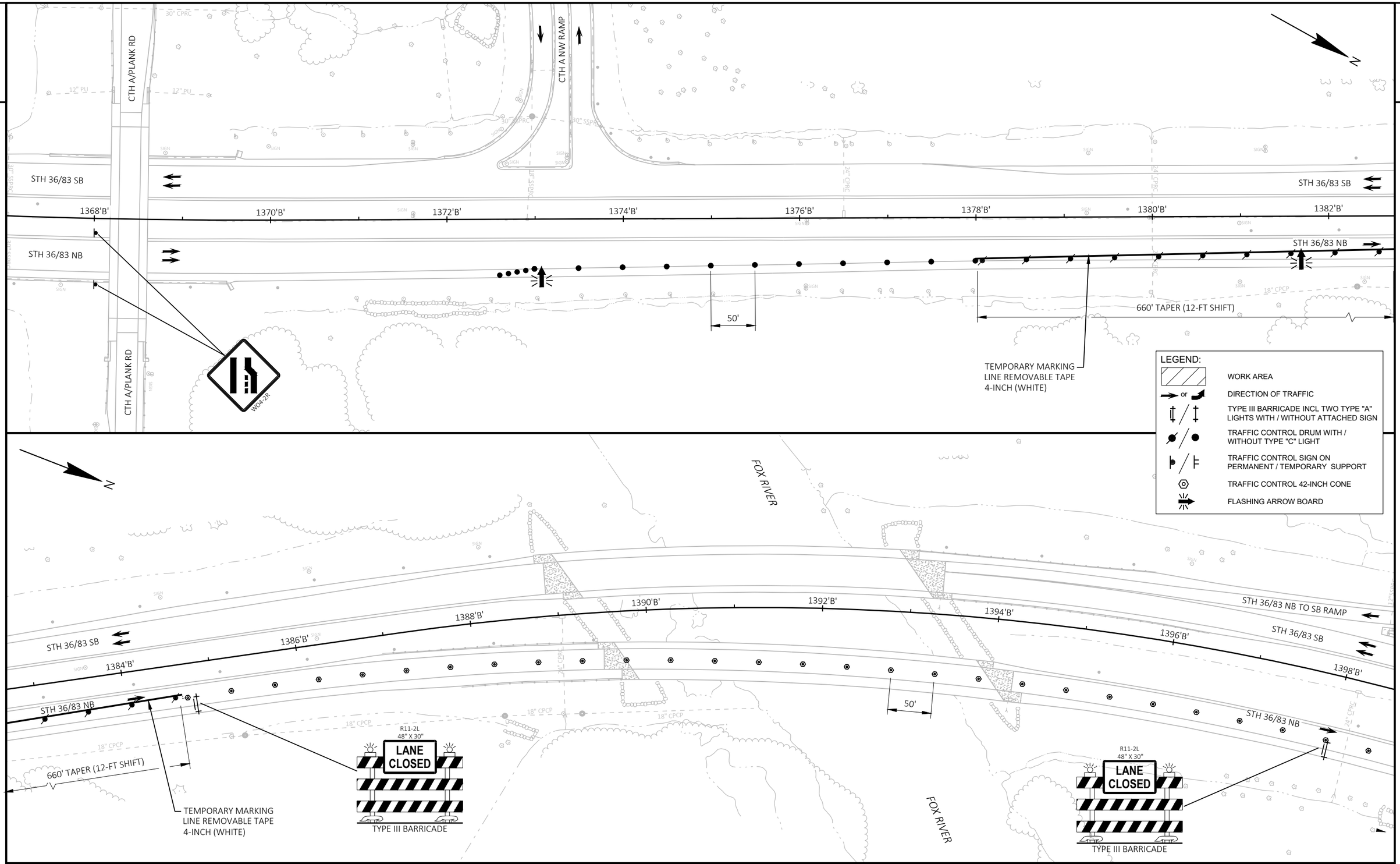
ROAD WORK AHEAD W20-1A

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 3	SHEET 303	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S3.DWG
LAYOUT NAME - 08

PLOT DATE : 2/24/2022 1:52 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 3	SHEET 304	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S3.DWG
LAYOUT NAME - 09
PLOT DATE : 2/24/2022 1:52 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

ROAD WORK AHEAD
W20-1A

STH 36/83 NB TO SB RAMP

STH 36/83 NB RAMP

STH 36/83 SB RAMP

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

SEVEN WATERS TRAIL

STH 36/83 SB

STH 36/83 NB

1400'B' 1402'B' 1404'B' 1406'B' 1408'B' 1410'B' 1412'B' 1414'B'

204 206 208 210 212 214

50'

220' TAPER (4' SHIFT)

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (WHITE)

W04-1R
(PLACE 800' IN
ADVANCE OF GORE)

WO4-5
48"X48"

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

END ROAD WORK
G20-2A
48"X24"

100' TEMPORARY MARKING
LINE REMOVABLE TAPE
8-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

200' TAPER (4' SHIFT)

STH 36/83 SB

220' TAPER (12' SHIFT)

1416'B' 1418'B' 1420'B' 1422'B' 1424'B' 1426'B' 1428'B'

11' 15' 23'

STH 36/83 NB

STH 36/83 NB RAMP

216

214

300' SHIFT

600' MIN

25'

300' TAPER (12' SHIFT)

500' MIN BUFFER

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH
3' LINE, 9' GAP (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

FOX RIVER

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 3	SHEET 305	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S3.DWG
LAYOUT NAME - 10

PLOT DATE : 2/24/2022 1:53 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

FOX RIVER

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

STOP
R1-1 30"X30" (AND TEMP STOP BAR)

ROAD WORK AHEAD
W20-1A

N. RIVER RD

END ROAD WORK
G20-2A 48"X24"

STH 36/83 SB

STH 36/83 NB

'B' 230 232 234 236 238 240 242

100'

11' 12' 10'

20' CPRC 18' CPRC 24" CPRC

BEGIN RIGHT TURN LANE
R3-20R 24"X36"

16' N. RIVER RD

2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

50'

244 246 248 250 252 254 256 258

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 3	SHEET 306	E

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

50'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

N

STH 36/83 SB

STH 36/83 SB

260 262 264 266 268 270 272 274

STH 36/83 NB

STH 36/83 NB

10'
11'
12'
100'

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

ROAD WORK AHEAD
W20-1A

STOP
R1-1
30"X30"
(AND TEMP STOP BAR)

CTH J/ENGLISH SETTLEMENT AVE

18'

END ROAD WORK
G20-2A
48"X24"

100'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

12'
11'
10'

STH 36/83 SB

STH 36/83 SB

276 278 280 282 284 286 288 290

20

STH 36/83 NB

STH 36/83 NB

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

50'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

END ROAD WORK
G20-2A
48"X24"

STOP
R1-1
30"X30"
(AND TEMP STOP BAR)

ROAD WORK AHEAD
W20-1A

CTH J/ENGLISH SETTLEMENT AVE

22

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 3	SHEET 307	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S3.DWG
LAYOUT NAME - 12
PLOT DATE : 2/24/2022 1:54 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

ROAD WORK AHEAD
W20-1A

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STOP
R1-1
30"X30"
(AND TEMP STOP LINE)

50'

STH 36/83 SB

STH 36/83 NB

292 294 296

12' SSPRC

12' 11' 12'

100'

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

TEMPORARY MARKING
LINE REMOVABLE TAPE
8-INCH (WHITE)

END ROAD WORK
G20-2A
48"X24"

CTH D/
WASHINGTON AVE

20

22

SIGNALIZED INTERSECTION

298 300 302 304 306

11' 12'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (WHITE)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC (or)
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

SEVEN WATERS TRAIL

WIND LAKE DRAINAGE CANAL

308 310 312 314 316 318 320 322

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 3	SHEET 308 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S3.DWG
LAYOUT NAME - 13
PLOT DATE : 2/24/2022 1:54 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

SEVEN WATERS TRAIL

WIND LAKE DRAINAGE CANAL

HIDDEN CIRCLE

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED — TYPE III BARRICADE

R3-50R 30"X36" ONLY

WO1-6 48" X 24" — TYPE III BARRICADE

R3-20R 24"X36" BEGIN RIGHT TURN LANE

R3-20L 24"X36" BEGIN LEFT TURN LANE

R3-2 36"X36"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

50'

STH 36/83 SB

STH 36/83 NB

24" CPRC

324 326 328 330 332 334 336 338

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

STOP R1-1 30"X30" (AND TEMP STOP LINE)

ROAD WORK AHEAD W20-1A

STH 20/83/ BECK DR

END ROAD WORK G20-2A 48"X24"

R11-2L 48" X 30" LANE CLOSED — TYPE III BARRICADE

BEGIN FULL 4' SHIFT

100'

12' 11' 12'

12" SSPRC

340 342 344 346 348 350 352

STH 36 SB

STH 36 NB

END PROJECT STA 351+75

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 3	SHEET 309	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S3.DWG
LAYOUT NAME - 14

PLOT DATE : 2/24/2022 1:55 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 3	SHEET 310	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S3.DWG
LAYOUT NAME - 15

PLOT DATE : 2/24/2022 1:56 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

MAIN STREET

STOP
R1-1
36"X36"
(AND TEMP STOP BAR)

END ROAD WORK
G20-2A
48"X24"

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (WHITE)

660' TAPER (12' SHIFT)

STH 36 SB
STH 36 NB

386 388 390 392 394 396 398 400

24" CPC
30" CPC

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

MAIN STREET

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

ROAD WORK AHEAD
W20-1A

FOX LN

END ROAD WORK
G20-2A
48"X24"

660' TAPER
(12' SHIFT)

1000'

50'

W04-2R

RIGHT LANE CLOSED 1/2 MILE
W20-5G

1600'

ROAD WORK 1 MILE
W20-1F

2600'

STH 36 SB
STH 36 NB

402 404 406 408 410 412 414 416

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (WHITE)

SEPTIC

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 3	SHEET 311	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S3.DWG
LAYOUT NAME - 16

PLOT DATE : 2/24/2022 1:56 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

N. RIVER RD

R3-1
36"x36"

R3-2
36"x36"

STH 36/83 SB

STH 36/83 SB

234 236 238 240 242 244 246

STH 36/83 NB

STH 36/83 NB

R3-2
36"x36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-1
36"x36"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

N. RIVER RD

MAINTAIN ACCESS TO PRIVATE RESIDENCE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

RIVER VALLEY PKWY

EAGLE RIDGE DR

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ROAD CLOSED 500 FT
W20-3D

ROAD CLOSED 1000 FT
W20-3E

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

ROAD CLOSED AHEAD
W20-3A

500'

500'

~2800'

1000'

PCMS

N. RIVER RD

N. RIVER RD

N. RIVER RD

MATHER RD

3 DAYS PRIOR TO CLOSURE

RIVER RD TO CLOSE AT WIS36	'DAY' 9PM TO 6AM
FRAME 1	FRAME 2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT (WEST LEG)/OFF PEAK (EAST LEG) CLOSURES - N RIVER RD	SHEET 312	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026202-S3 (SIDEROADS).DWG
LAYOUT NAME - - N RIVER RD

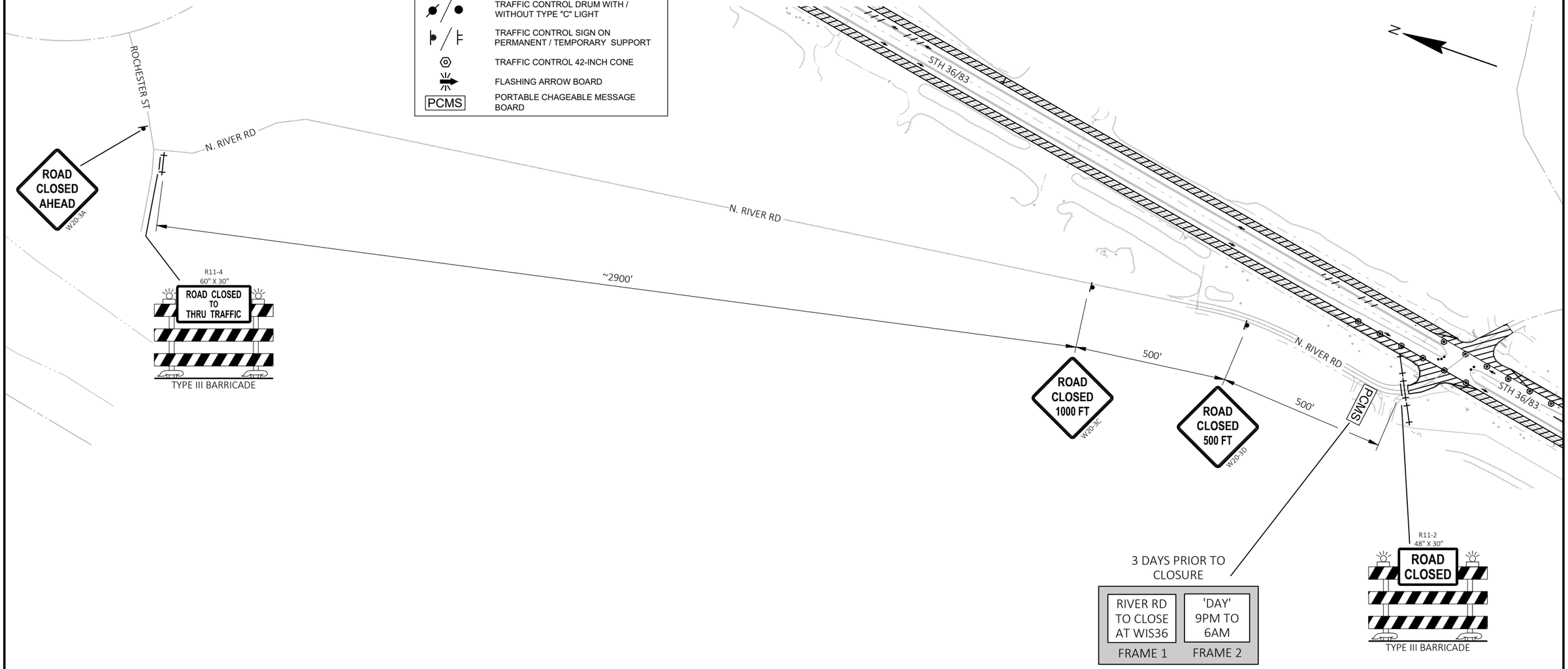
PLOT DATE : 2/25/2022 9:04 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND:

- WORK AREA
- or — DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURE - N RIVER RD (2)	SHEET 313	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026202-S3 (SIDEROADS).DWG
LAYOUT NAME - - N RIVER RD (2)

PLOT DATE : 2/25/2022 9:04 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ###########

2

2

STH 36/83 SB

STH 36/83 NB

270 272 274 276 278 280 282 284

25'

25'

CTH J/ENGLISH SETTLEMENT AVE

R3-1
36"x36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-2
36"x36"

R3-2
36"x36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-1
36"x36"

CTH J/ENGLISH SETTLEMENT AVE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
(SIGNS ON BOTH SIDES
OF MEDIAN BARRICADE)

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

N

E MAIN ST

CTH J/ROCHESTER ST

1000'

ROAD CLOSED AHEAD
W20-3A

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

500'

500'

SETTLEMENT AVE

ROCHESTER ST

CTH J/ENGLISH SETTLEMENT AVE

ROAD CLOSED 1000 FT
W20-3C

ROAD CLOSED 500 FT
W20-3D

STH 36/83

PCMS

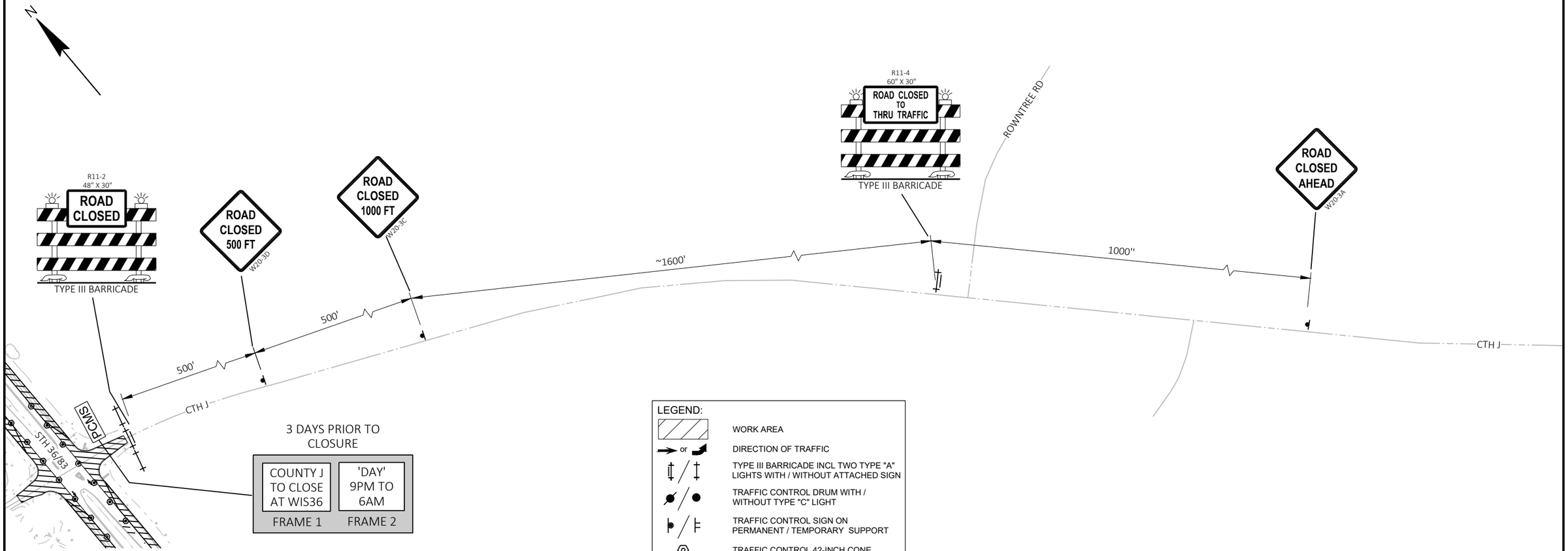
CTH J

3 DAYS PRIOR TO CLOSURE

COUNTY J TO CLOSE AT WIS36	'DAY' 9PM TO 6AM
FRAME 1	FRAME 2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OFF PEAK CLOSURES - CTH J	SHEET 314	E

2



LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OFF PEAK CLOSURES - CTH J (2)	SHEET 315	E

2

2

N

CTH D/ WASHINGTON AVE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-1
36"x36"

R3-2
36"x36"

25'

STH 36/83 SB

STH 36/83 NB

290 292 294 296 298 300 302 304

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R3-1
36"x36"

CTH D/ WASHINGTON AVE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
(SIGNS ON BOTH SIDES
OF MEDIAN BARRICADE)

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

FOX RIVER

N BROWNS LAKE DR.

WATER ST

ROCHESTER ST

WASHINGTON ST

MUSQUEQUAK ST

SEVEN WATERS TRAIL

CTH D/WASHINGTON AVE

1000'

ROAD CLOSED AHEAD
W20-3A

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

ROAD CLOSED 1000 FT
W20-3C

ROAD CLOSED 500 FT
W20-3D

PCMS

MILLGATE DR

3 DAYS PRIOR TO CLOSURE

COUNTY D TO CLOSE AT WIS36	'DAY' 9PM TO 6AM
FRAME 1	FRAME 2

STH 36/83

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R3-2
36"x36"

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - CTH D	SHEET 316	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026202-S3 (SIDEROADS).DWG
LAYOUT NAME - - CTH D

PLOT DATE : 2/25/2022 9:05 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

3 DAYS PRIOR TO CLOSURE

COUNTY D TO CLOSE AT WIS36	'DAY' 9PM TO 6AM
FRAME 1	FRAME 2

ROAD CLOSED 500 FT
W20-3D

ROAD CLOSED 1000 FT
W20-3C

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

ROAD CLOSED AHEAD
W20-3A

500' 500' 1000' 1000'

PCMS

STH 36/83

CTH D/WASHINGTON AVE

CTH D/WASHINGTON AVE

N

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ROCKERY GLEN

HOYER HAVEN

LEGEND:

	WORK AREA
→ or ↱	DIRECTION OF TRAFFIC
	TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
	TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
	TRAFFIC CONTROL 42-INCH CONE
	FLASHING ARROW BOARD
PCMS	PORTABLE CHAGEABLE MESSAGE BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - CTH D (2)	SHEET 317	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026202-S3 (SIDEROADS).DWG
LAYOUT NAME - - CTH D (2)
PLOT DATE : 2/25/2022 9:06 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

2

STH 36/83 SB

STH 36/83 NB

338 340 342 344 346 348 350 352

STH 20/83/BECK DR

R3-2 36"x36"

R3-1 36"x36"

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

25'

R11-2L 48" X 30" LANE CLOSED

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE (SIGNS ON BOTH SIDES OF MEDIAN BARRICADE)

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD

STH 20/BECK DR

WEBER ST

1000'

ROAD CLOSED AHEAD W20-3A

R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

N RIVER RD

CEMETERY

BLEACHERS

WALNUT DR

HICKORY LN

ROAD CLOSED 1000 FT W20-3C

SEVEN WATERS TRAIL

EVERGREEN RD

BUCK RD

ROAD CLOSED 500 FT W20-3D

STH 36

STH 36/83

PCMS

3 DAYS PRIOR TO CLOSURE

WIS 20 TO CLOSE AT WIS36	'DAY' 9PM TO 6AM
FRAME 1	FRAME 2

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - STH 20-83	SHEET 318	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026202-S3 (SIDEROADS).DWG
LAYOUT NAME - - STH 20-83

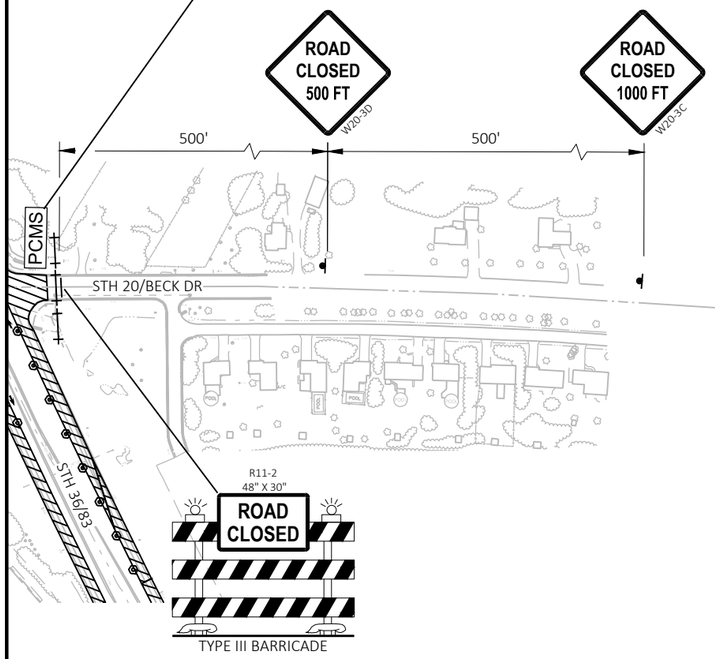
PLOT DATE : 2/25/2022 9:06 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

3 DAYS PRIOR TO CLOSURE

WIS 20 TO CLOSE AT WIS36	'DAY' 9PM TO 6AM
FRAME 1	FRAME 2

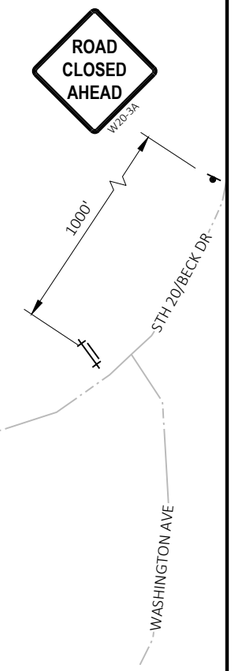




LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE INCL TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHAGEABLE MESSAGE BOARD





PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	STAGE 3 - OVERNIGHT CLOSURES - STH 20-83 (2)	SHEET 319	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026202-S3 (SIDEROADS).DWG
LAYOUT NAME - - STH 20-83 (2)
PLOT DATE : 2/25/2022 9:06 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 44

2

STH 36/83 SB

STH 36/83 NB

1352'B' 1354'B' 1356'B' 1358'B' 1360'B' 1362'B' 1364'B' 1366'B'

24" CPCP

24" CPRC

12" SSPRC

INL

2600'

1600'

ROAD WORK 1 MILE W20-1F

LEFT LANE CLOSED 1/2 MILE W20-5Sg

ROAD WORK AHEAD W20-1A

CTH A SE RAMP

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 4	SHEET 320	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S4.DWG
LAYOUT NAME - PRE-9

PLOT DATE : 2/28/2022 5:36 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CTH A/PLANK RD

CTH A NW RAMP

CTH A/PLANK RD

STH 36/83 SB

STH 36/83 NB

1368'B' 1370'B' 1372'B' 1374'B' 1376'B' 1378'B' 1380'B' 1382'B'

220

STH 36/83 SB

STH 36/83 NB

1600'

50'

660' TAPER (12' SHIFT)

W04-2L

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

FOX RIVER

STH 36/83 SB

STH 36/83 NB

218 216 214 212 210 208 206 204

1384'B' 1386'B' 1388'B' 1390'B' 1392'B' 1394'B' 1396'B' 1398'B'

STH 36/83 NB TO SB RAMP

STH 36/83 SB

660' TAPER (12' SHIFT)

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

50'

STH 36/83 NB

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

FOX RIVER

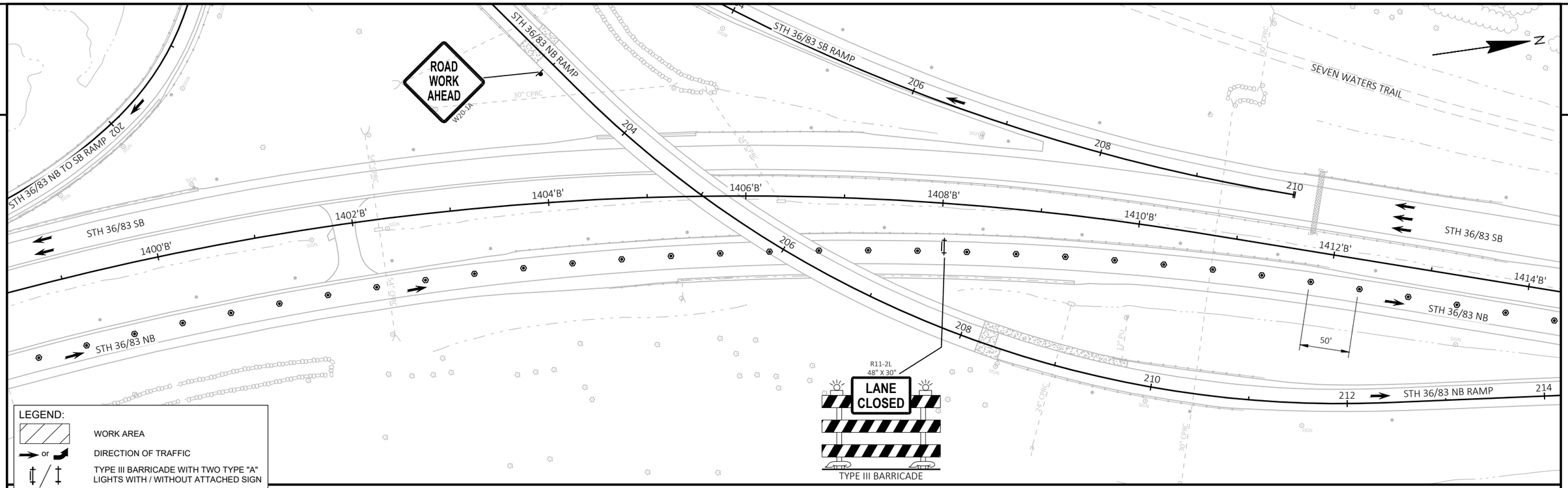
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 4	SHEET 321	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S4.DWG
LAYOUT NAME - 09

PLOT DATE : 2/28/2022 5:36 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 4	SHEET 322	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S4.DWG
LAYOUT NAME - 10

PLOT DATE : 2/28/2022 5:37 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

FOX RIVER

FOX RIVER

N

STH 36/83 SB

STH 36/83 NB

D'B'

230 232 234 236 238 240 242

50'

100'

WO1-6
48" X 24"
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

N. RIVER RD

20

END ROAD WORK
G20-2A
48"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

18

16 N. RIVER RD

ROAD WORK AHEAD
W20-1A

WO1-6
48" X 24"
TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24"X36"

100'

STH 36/83 SB

STH 36/83 NB

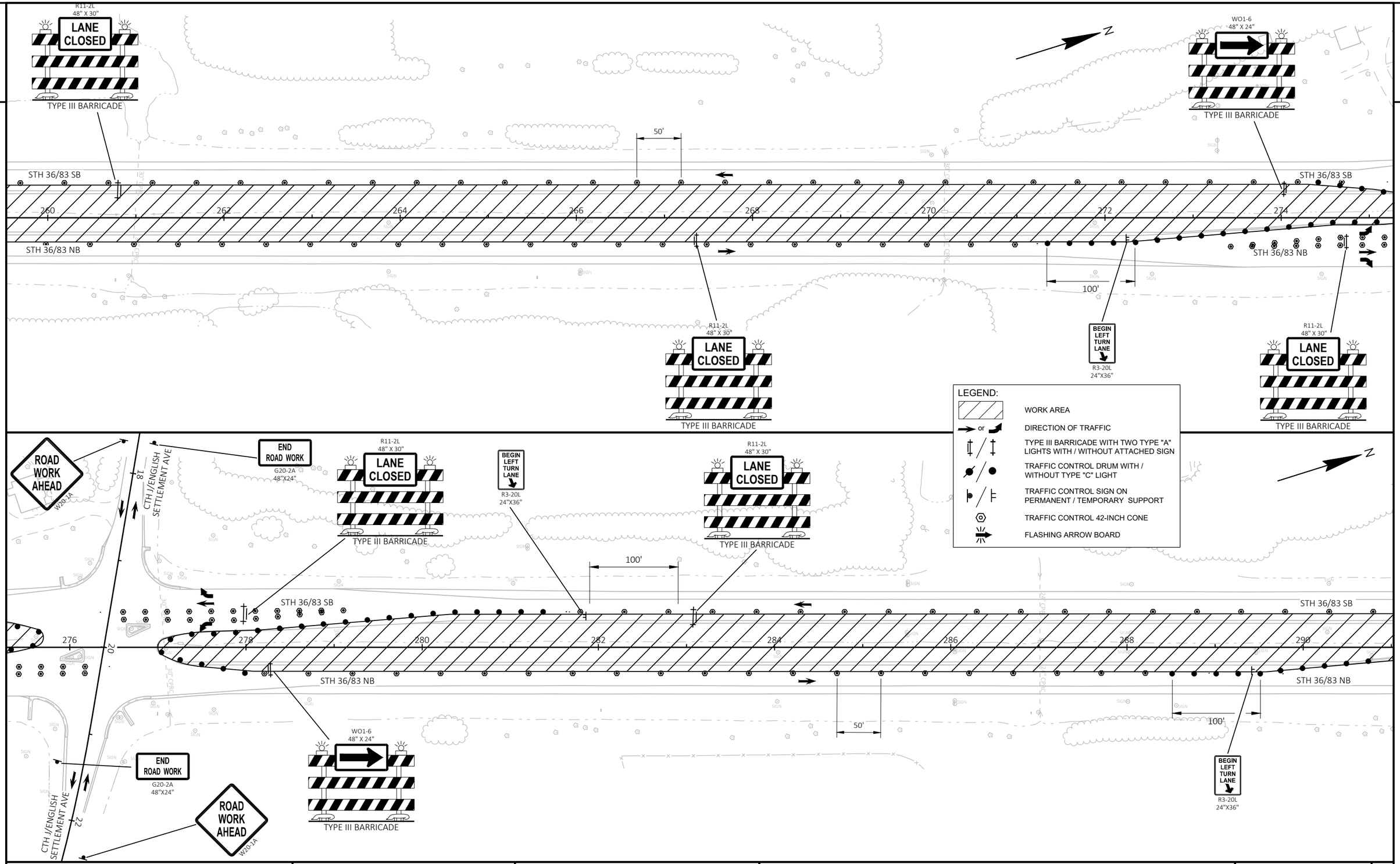
244 246 248 250 252 254 256 258

50'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 4	SHEET 323	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S4.DWG
LAYOUT NAME - 11
PLOT DATE : 2/28/2022 5:37 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

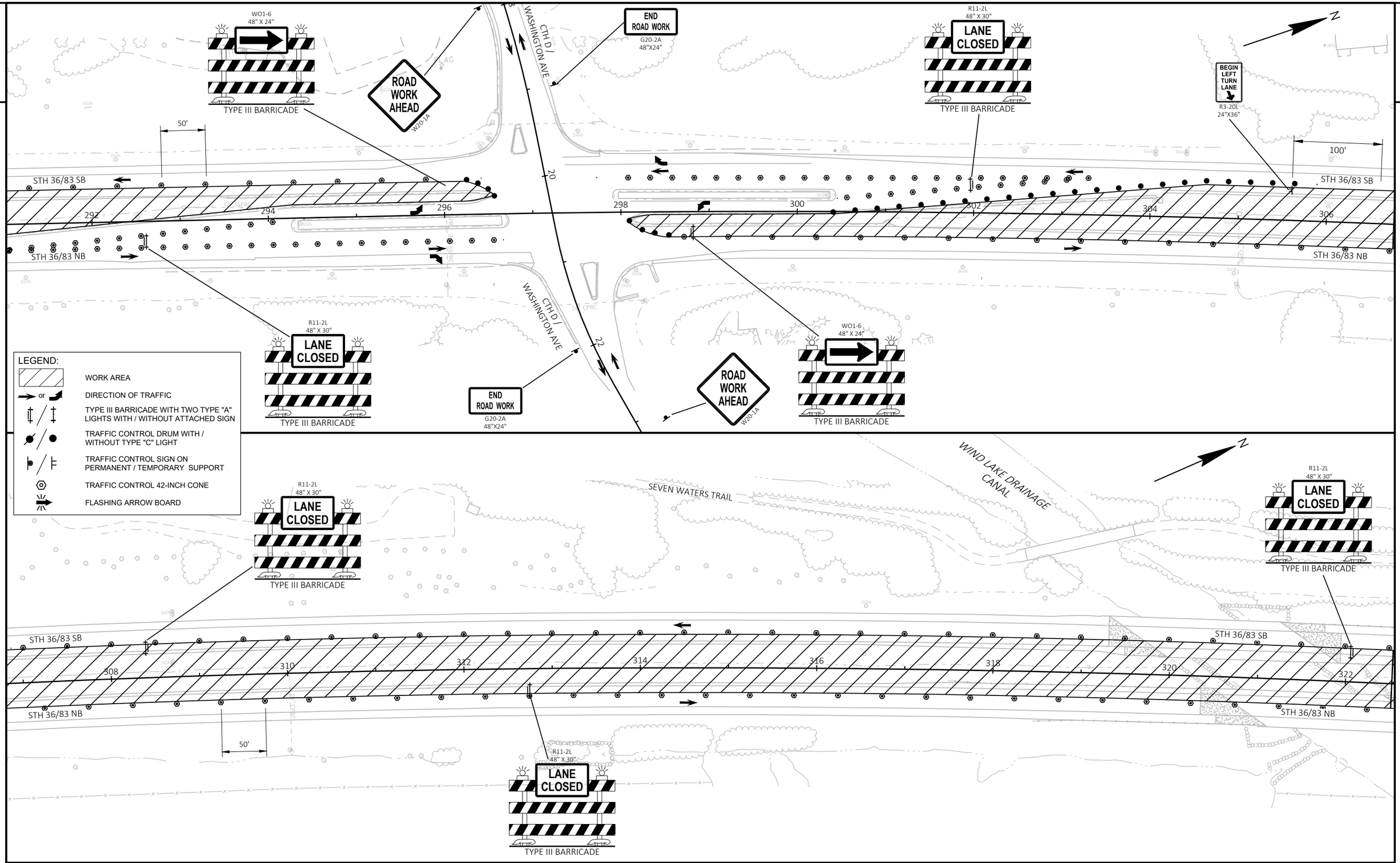


PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 4	SHEET 324	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S4.DWG
LAYOUT NAME - 12

PLOT DATE : 2/28/2022 5:38 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 4	SHEET 325	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S4.DWG
LAYOUT NAME - 13
PLOT DATE : 2/28/2022 5:39 PM
PLOT BY : STEUCK, ROBERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

N

SEVEN WATERS TRAIL

WO1-6
48" X 24"
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

HIDDEN CIRCLE

END ROAD WORK
G20-2A
48"X24"

STH 36/83 SB

STH 36/83 NB

324 326 328 330 332 334 336 338

100'

50'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24"X36"

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

STH 20/83/ BECK DR

404

406

102

104

CANOPY

STH 36 SB

STH 36 NB

340 342 344 346 348 350 352

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

TEMPORARY MARKING
LINE REMOVABLE TAPE
4-INCH (YELLOW)

ROAD WORK AHEAD
W20-1A

6TH STREET

END ROAD WORK
G20-2A
48"X24"

FLAG

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50'

STH 36 SB

STH 36 NB

356 358 360 362 364 366 368

BEGIN LEFT TURN LANE
R3-20L
24"X36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

100'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

WO1-6
48" X 24"
TYPE III BARRICADE

LEGEND:

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS WITH / WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH / WITHOUT TYPE "C" LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- FLASHING ARROW BOARD

BEGIN LEFT TURN LANE
R3-20L
24"X36"

100'

100'

STH 36 SB

STH 36 NB

370 372 374 376 378 380 382 384

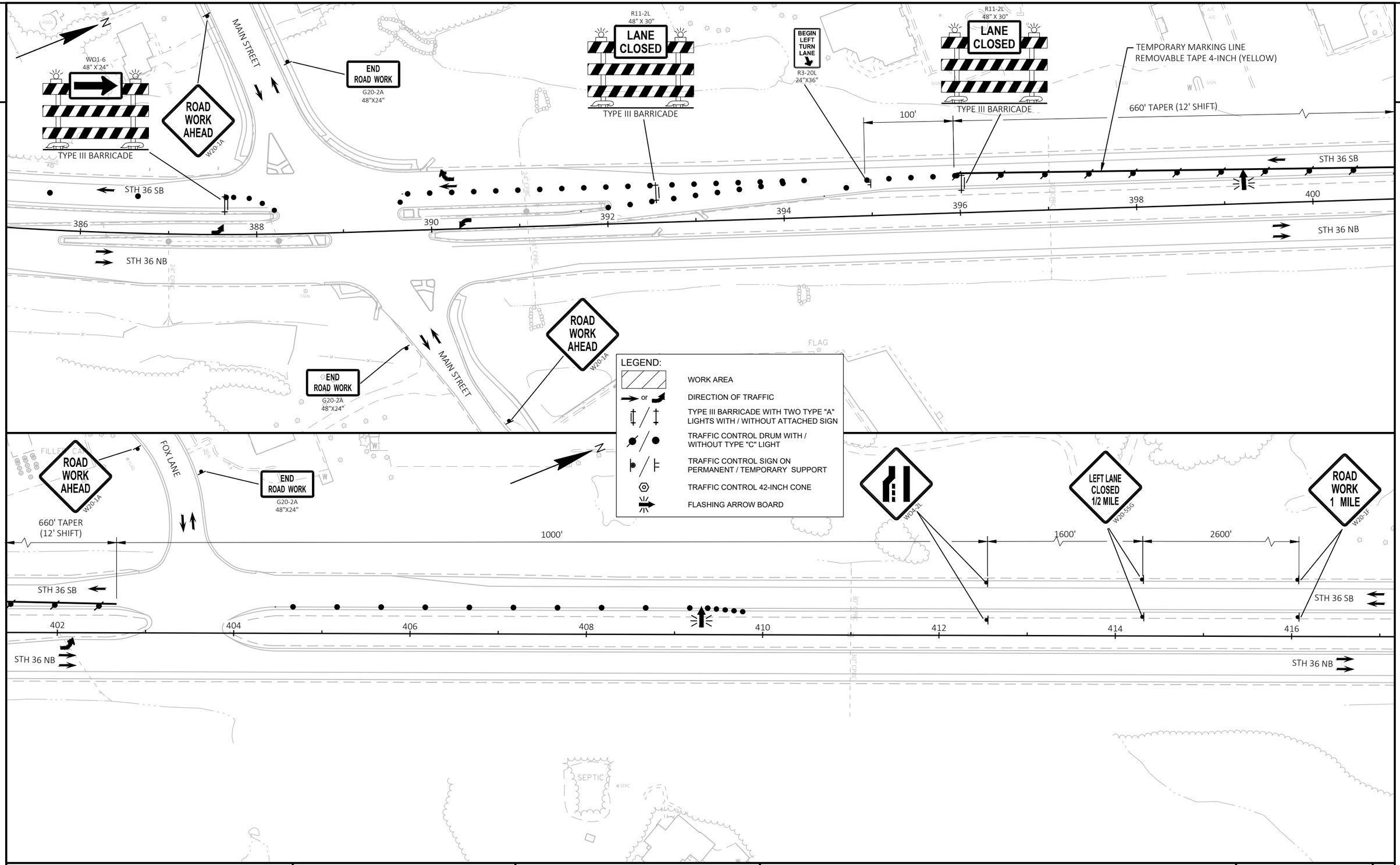
END ROAD WORK
G20-2A
48"X24"

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 4	SHEET 327	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\026201-S4.DWG
LAYOUT NAME - 15

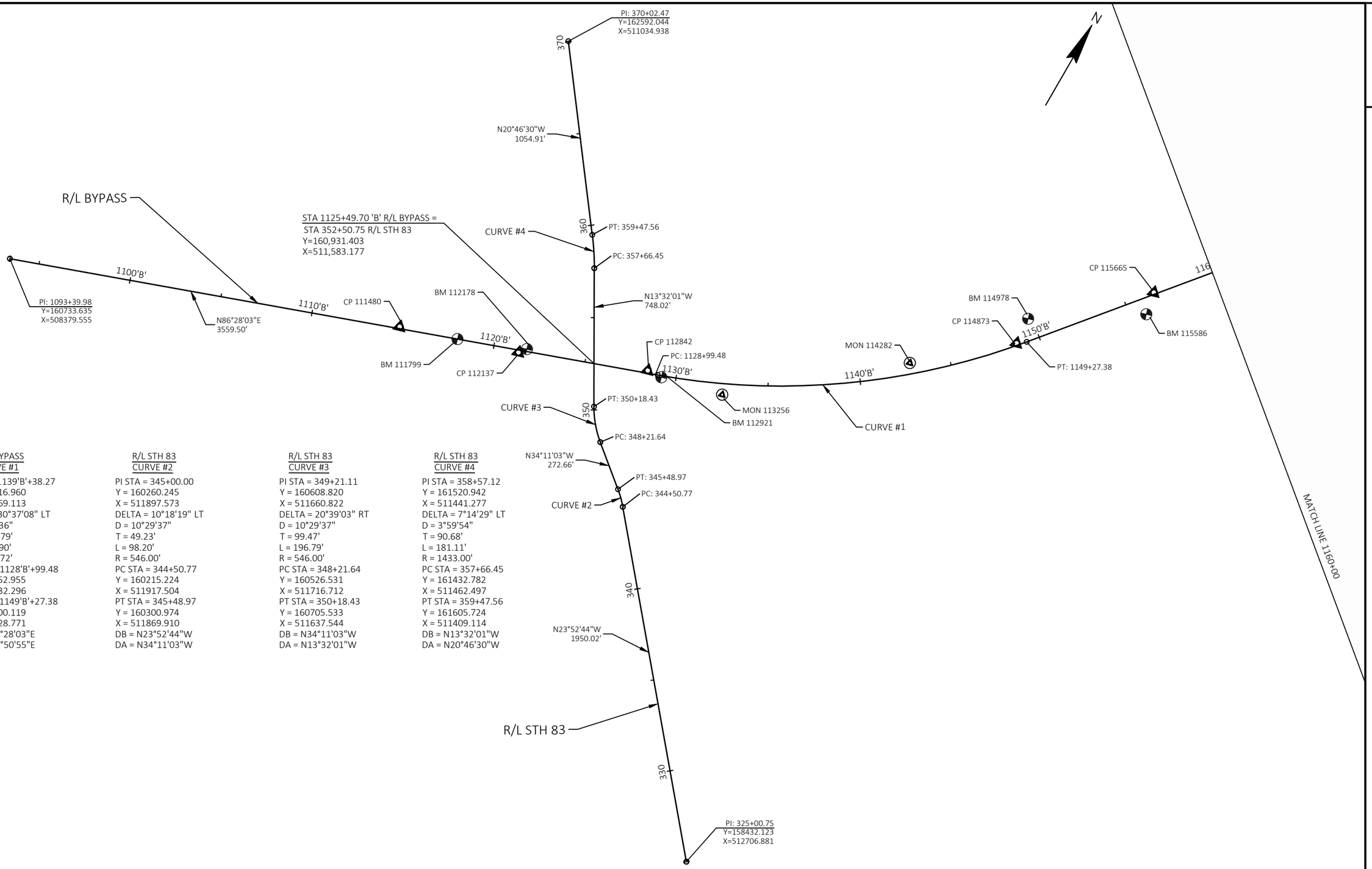
PLOT DATE : 2/28/2022 5:40 PM PLOT BY : STEUCK, ROBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	TRAFFIC CONTROL - STH 36 - STAGE 4	SHEET 328	E

2



R/L BYPASS
CURVE #1

PI STA = 1139'B'+38.27
Y = 161016.960
X = 512969.113
DELTA = 30°37'08" LT
D = 1°30'36"
T = 1038.79'
L = 2027.90'
R = 3794.72'
PC STA = 1128'B'+99.48
Y = 160952.955
X = 511932.296
PT STA = 1149'B'+27.38
Y = 161600.119
X = 513828.771
DB = N86°28'03"E
DA = N55°50'55"E

R/L STH 83
CURVE #2

PI STA = 345+00.00
Y = 160260.245
X = 511897.573
DELTA = 10°18'19" LT
D = 10°29'37"
T = 49.23'
L = 98.20'
R = 546.00'
PC STA = 344+50.77
Y = 160215.224
X = 511917.504
PT STA = 345+48.97
Y = 160300.974
X = 511869.910
DB = N23°52'44"W
DA = N34°11'03"W

R/L STH 83
CURVE #3

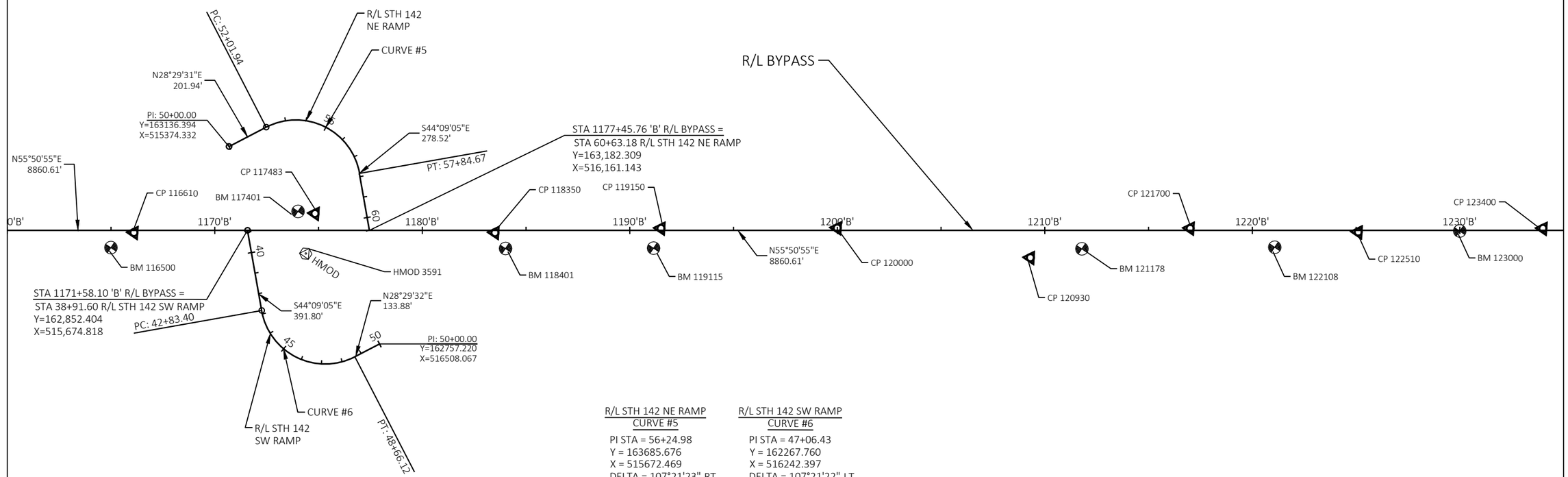
PI STA = 349+21.11
Y = 160608.820
X = 511660.822
DELTA = 20°39'03" RT
D = 10°29'37"
T = 99.47'
L = 196.79'
R = 546.00'
PC STA = 348+21.64
Y = 160526.531
X = 511716.712
PT STA = 350+18.43
Y = 160705.533
X = 511637.544
DB = N34°11'03"W
DA = N13°32'01"W

R/L STH 83
CURVE #4

PI STA = 358+57.12
Y = 161520.942
X = 511441.277
DELTA = 7°14'29" LT
D = 3°59'54"
T = 90.68'
L = 181.11'
R = 1433.00'
PC STA = 357+66.45
Y = 161432.782
X = 511462.497
PT STA = 359+47.56
Y = 161605.724
X = 511409.114
DB = N13°32'01"W
DA = N20°46'30"W

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 329	E

2



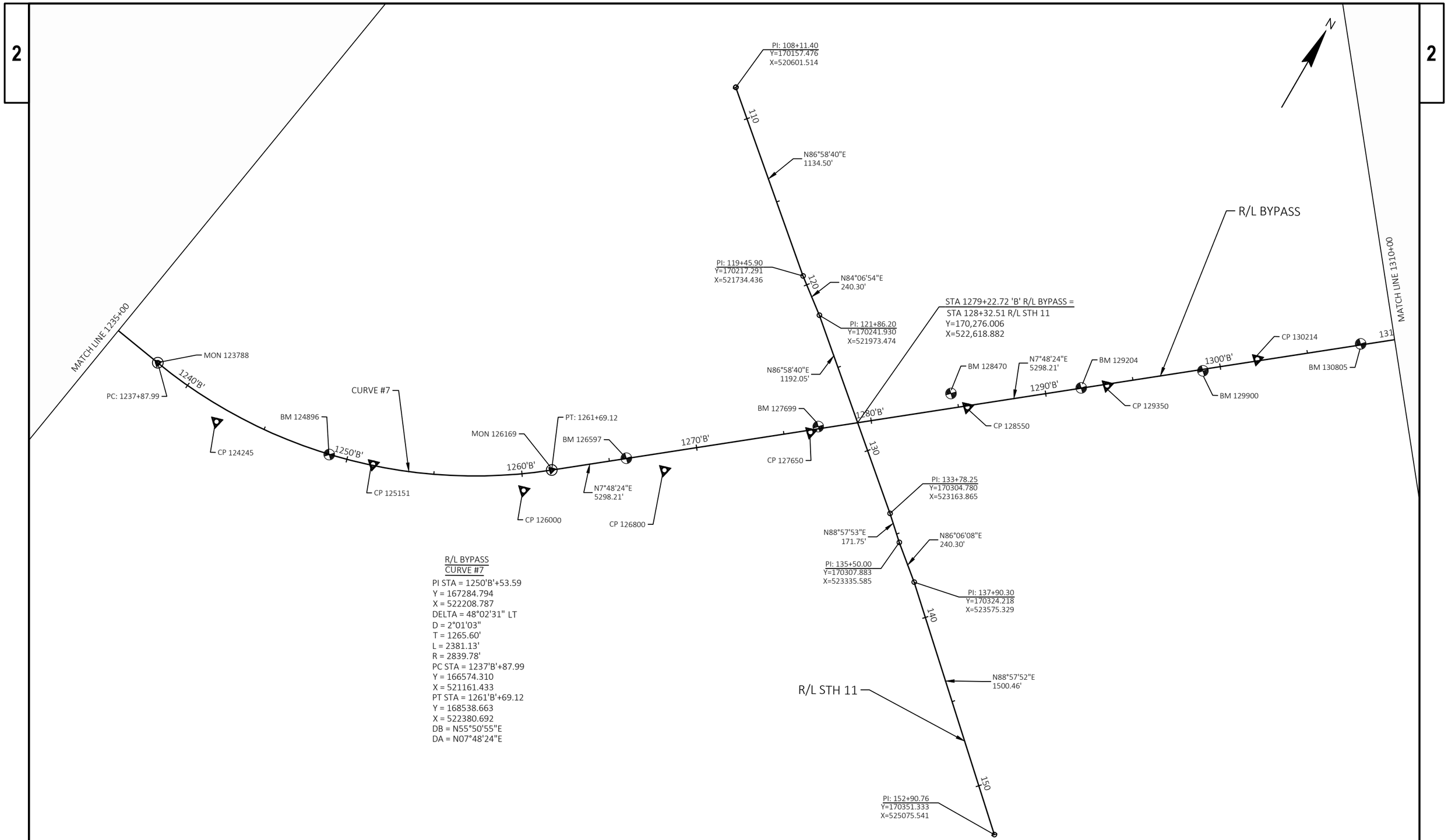
R/L STH 142 NE RAMP CURVE #5	R/L STH 142 SW RAMP CURVE #6
PI STA = 56+24.98	PI STA = 47+06.43
Y = 163685.676	Y = 162267.760
X = 515672.469	X = 516242.397
DELTA = 107°21'23" RT	DELTA = 107°21'22" LT
D = 18°25'23"	D = 18°25'23"
T = 423.04'	T = 423.04'
L = 582.73'	L = 582.73'
R = 311.00'	R = 311.00'
PC STA = 52+01.94	PC STA = 42+83.40
Y = 163313.874	Y = 162571.289
X = 515470.664	X = 515947.728
PT STA = 57+84.67	PT STA = 48+66.12
Y = 163382.145	Y = 162639.559
X = 515967.140	X = 516444.203
DB = N28°29'31"E	DB = S44°09'05"E
DA = S44°09'05"E	DA = N28°29'32"E

MATCH LINE 1160+00

MATCH LINE 1235+00

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 330	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - AD02
PLOT DATE : 1/31/2022 1:21 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42



R/L BYPASS
CURVE #7

PI STA = 1250'B'+53.59
Y = 167284.794
X = 522208.787
DELTA = 48°02'31" LT
D = 2°01'03"
T = 1265.60'
L = 2381.13'
R = 2839.78'
PC STA = 1237'B'+87.99
Y = 166574.310
X = 521161.433
PT STA = 1261'B'+69.12
Y = 168538.663
X = 522380.692
DB = N55°50'55"E
DA = N07°48'24"E

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 331	E

2

R/L BYPASS
CURVE #8

PI STA = 1316'B'+73.01
Y = 173991.538
X = 523128.281
DELTA = 8°17'03" LT
D = 2°01'03"
T = 205.67'
L = 410.63'
R = 2840.06'
PC STA = 1314'B'+67.34
Y = 173787.772
X = 523100.345
PT STA = 1318'B'+77.96
Y = 174197.203
X = 523126.567
DB = N07°48'24"E
DA = N00°28'39"W

R/L BYPASS
CURVE #9

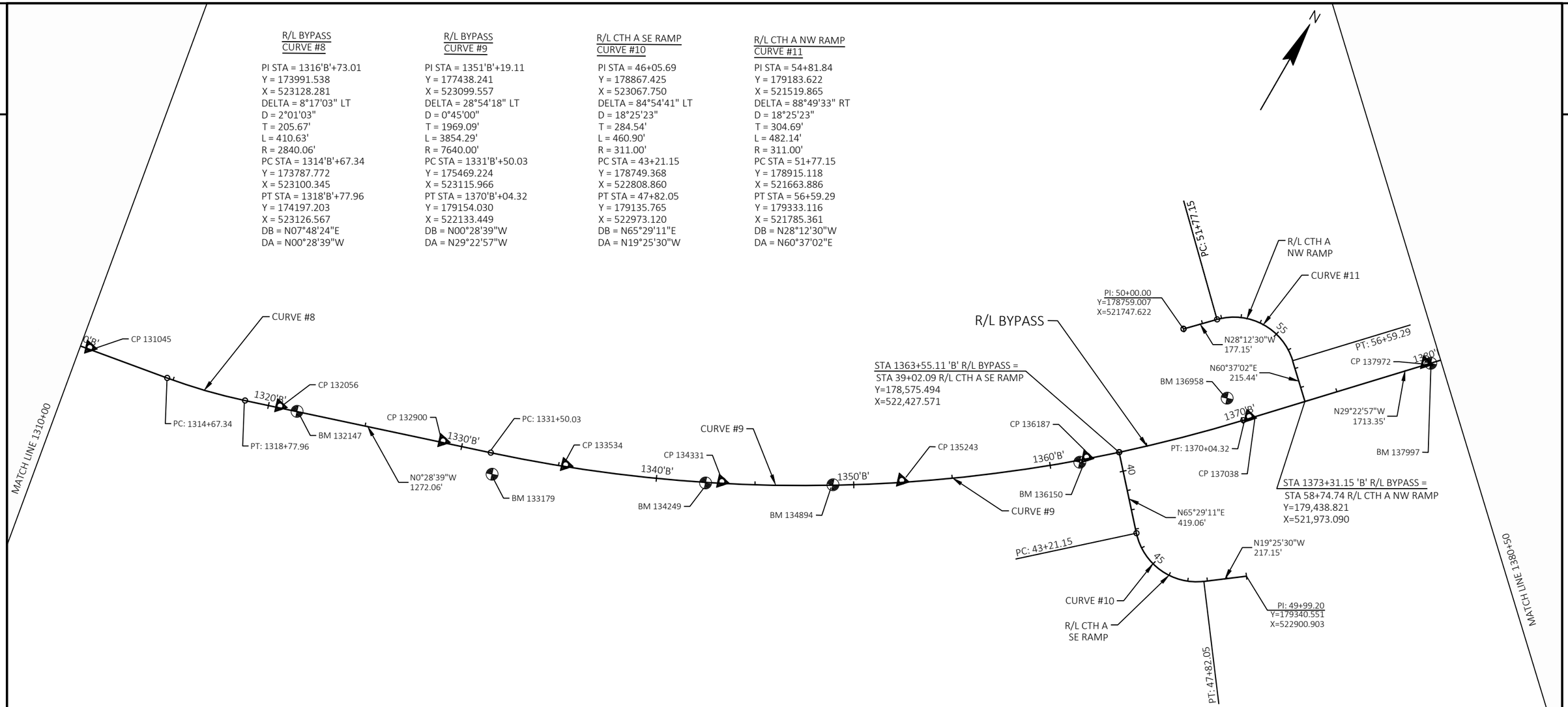
PI STA = 1351'B'+19.11
Y = 177438.241
X = 523099.557
DELTA = 28°54'18" LT
D = 0°45'00"
T = 1969.09'
L = 3854.29'
R = 7640.00'
PC STA = 1331'B'+50.03
Y = 175469.224
X = 523115.966
PT STA = 1370'B'+04.32
Y = 179154.030
X = 522133.449
DB = N00°28'39"W
DA = N29°22'57"W

R/L CTH A SE RAMP
CURVE #10

PI STA = 46+05.69
Y = 178867.425
X = 523067.750
DELTA = 84°54'41" LT
D = 18°25'23"
T = 284.54'
L = 460.90'
R = 311.00'
PC STA = 43+21.15
Y = 178749.368
X = 522808.860
PT STA = 47+82.05
Y = 179135.765
X = 522973.120
DB = N65°29'11"E
DA = N19°25'30"W

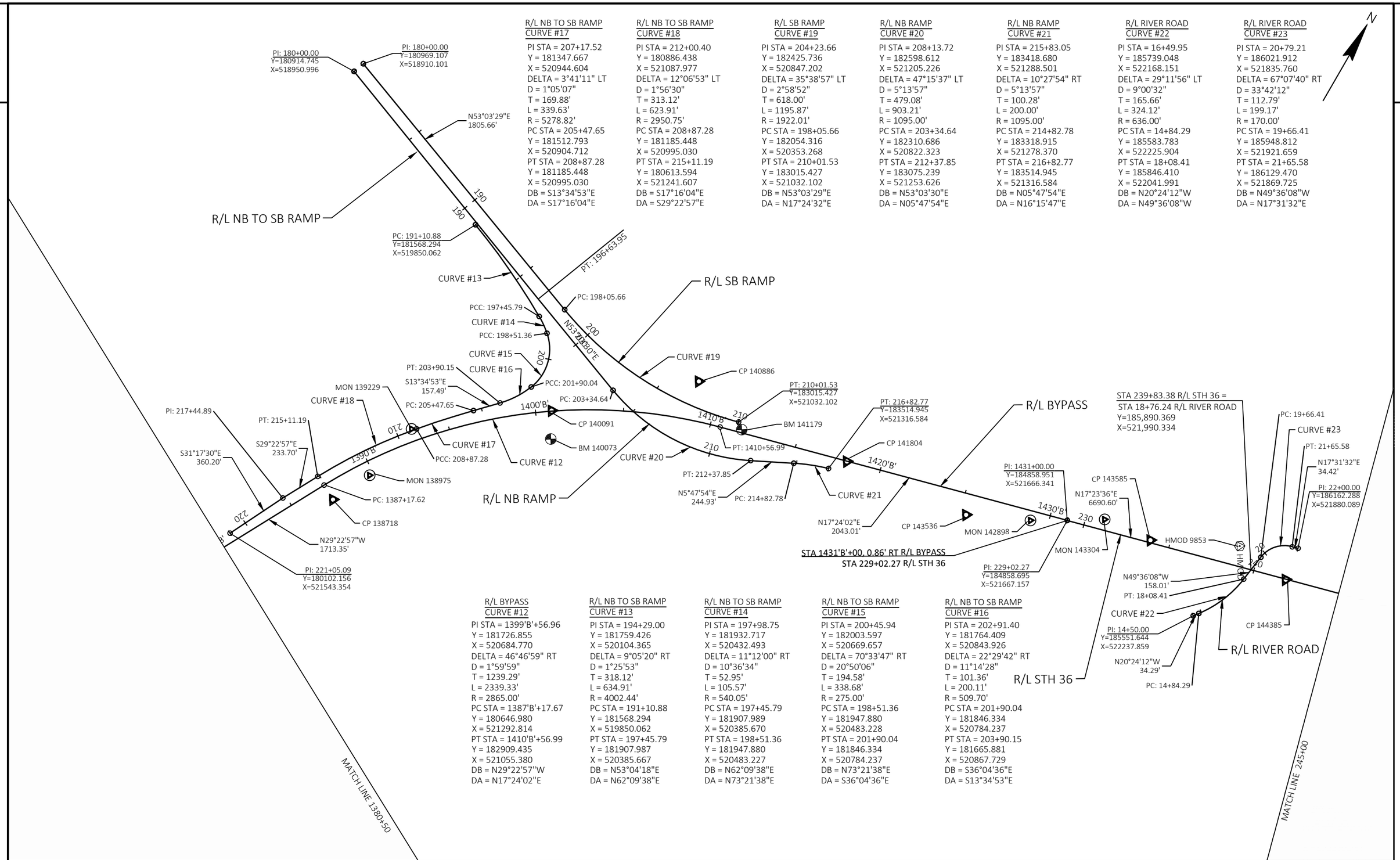
R/L CTH A NW RAMP
CURVE #11

PI STA = 54+81.84
Y = 179183.622
X = 521519.865
DELTA = 88°49'33" RT
D = 18°25'23"
T = 304.69'
L = 482.14'
R = 311.00'
PC STA = 51+77.15
Y = 178915.118
X = 521663.886
PT STA = 56+59.29
Y = 179333.116
X = 521785.361
DB = N28°12'30"W
DA = N60°37'02"E



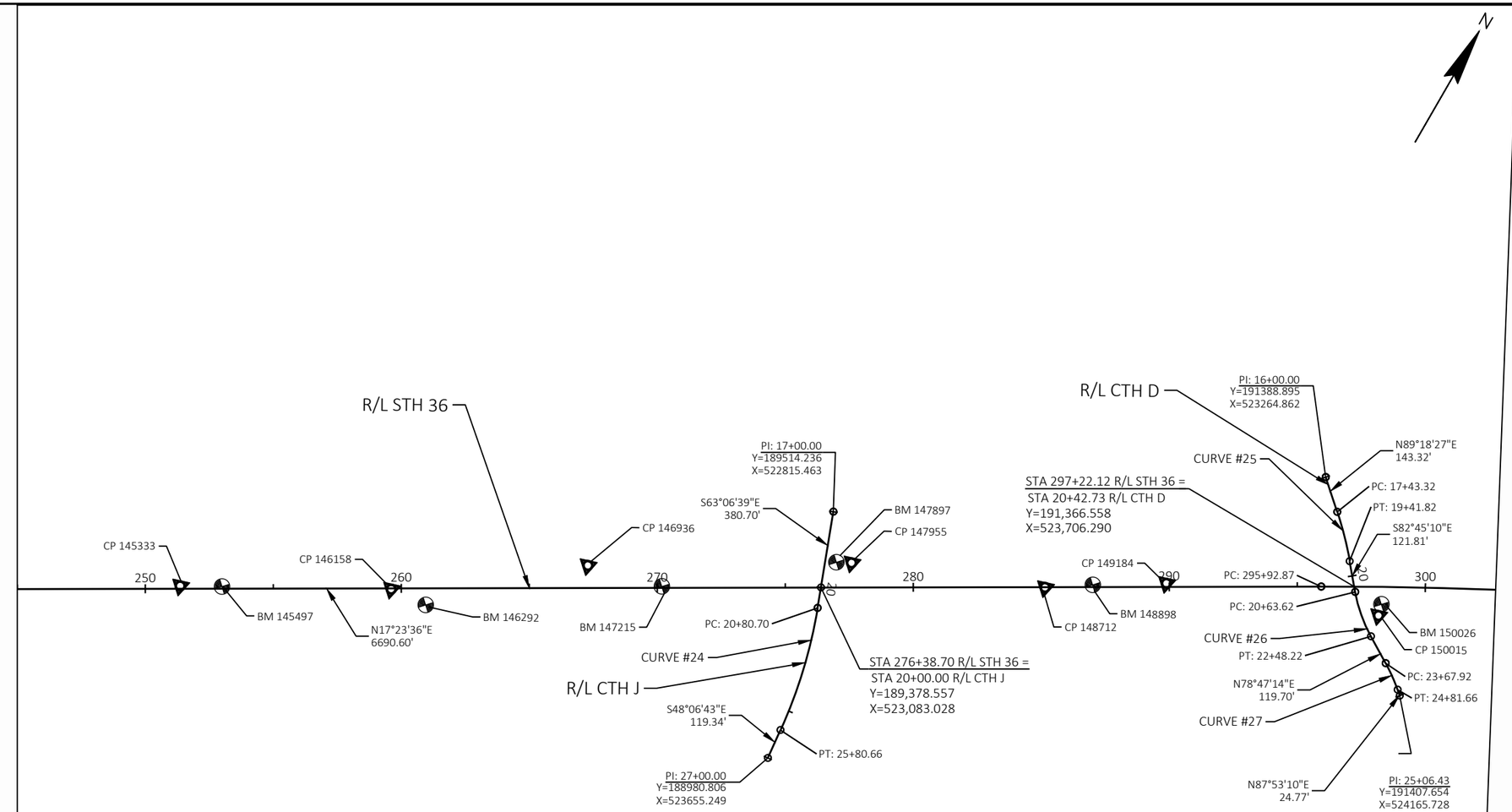
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 332	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - AD04
PLOT DATE : 1/31/2022 1:21 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 333	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - AD05
PLOT DATE : 1/31/2022 1:21 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42



MATCH LINE 245+00

MATCH LINE 302+75

R/L CTH J
CURVE #24

PI STA = 23+32.12
Y = 189228.350
X = 523379.241
DELTA = 14°59'56" RT
D = 3°00'00"
T = 251.42'
L = 499.96'
R = 1909.86'
PC STA = 20+80.70
Y = 189342.058
X = 523155.005
PT STA = 25+80.66
Y = 189060.484
X = 523566.409
DB = S63°06'39"E
DA = S48°06'43"E

R/L CTH D
CURVE #25

PI STA = 18+42.73
Y = 191391.829
X = 523507.571
DELTA = 7°56'23" RT
D = 4°00'00"
T = 99.41'
L = 198.50'
R = 1432.39'
PC STA = 17+43.32
Y = 191390.627
X = 523408.171
PT STA = 19+41.82
Y = 191379.288
X = 523606.183
DB = N89°18'27"E
DA = S82°45'10"E

R/L CTH D
CURVE #26

PI STA = 21+56.73
Y = 191352.177
X = 523819.379
DELTA = 18°27'36" LT
D = 10°00'00"
T = 93.11'
L = 184.60'
R = 572.96'
PC STA = 20+63.62
Y = 191363.922
X = 523727.015
PT STA = 22+48.22
Y = 191370.282
X = 523910.709
DB = S82°45'10"E
DA = N78°47'14"E

R/L CTH D
CURVE #27

PI STA = 24+24.91
Y = 191404.639
X = 524084.023
DELTA = 9°05'56" RT
D = 8°00'00"
T = 56.99'
L = 113.74'
R = 716.20'
PC STA = 23+67.92
Y = 191393.557
X = 524028.123
PT STA = 24+81.66
Y = 191406.741
X = 524140.973
DB = N78°47'14"E
DA = N87°53'10"E

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 334	E

2

2

N

R/L STH 83

PI: 398+76.50
Y=196264.197
X=525391.003

400

S32°04'28"E
724.35'

STA 344+94.98 R/L STH 36 =
STA 406+00.76 R/L STH 83
Y=195,650.488
X=525,775.602

PI: 406+00.85
Y=195650.413
X=525775.649

R/L STH 36

PT: 355+95.78
Y=196544.260
X=526414.840

HMOD 9852

MON 152327

CP151926

CP150978

310

320

HMOD

330

340

350

360

370

CP 153807

CP 152767

CP 153258

BM 153102

CP 154537

BM 154607

CP 155085

BM 154997

MON 155792

MON 152304

CURVE #28

S32°02'26"E
548.96'

STA 344+95.40 R/L STH 36 =
STA 101+51.04 R/L STH 20
Y=195,650.840
X=525,775.837

PC: 377+34.92

HMOD

HMOD 9851

N37°24'19"E
2139.14'

PI: 107+00.00
Y=195185.499
X=526067.073

R/L STH 20

STA BACK = 355+94.01
STA AHEAD = 355+95.78

EQUATION

R/L STH 36
CURVE #28

PI STA = 326+24.32
Y = 194136.203
X = 524573.387
DELTA = 20°00'43" RT
D = 0°20'00"
T = 3031.45'
L = 6001.14'
R = 17181.81'
PC STA = 295+92.87
Y = 191243.367
X = 523667.191
PT STA = 355+95.78
Y = 196544.260
X = 526414.840
DB = N17°23'36"E
DA = N37°24'19"E

MATCH LINE 302+75

MATCH LINE 378+25

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 335	E

2

2

N

PI: 400+00.00
Y=200293.099
X=528649.287

PT: 388+87.33
Y=199248.477
X=528266.144

380

390

400

410

420

430

440

446

MATCH LINE 378+25

CURVE #29

N20°08'31"E
5782.34'

PI: 446+69.67
Y=204677.191
X=530257.267

EQUATION

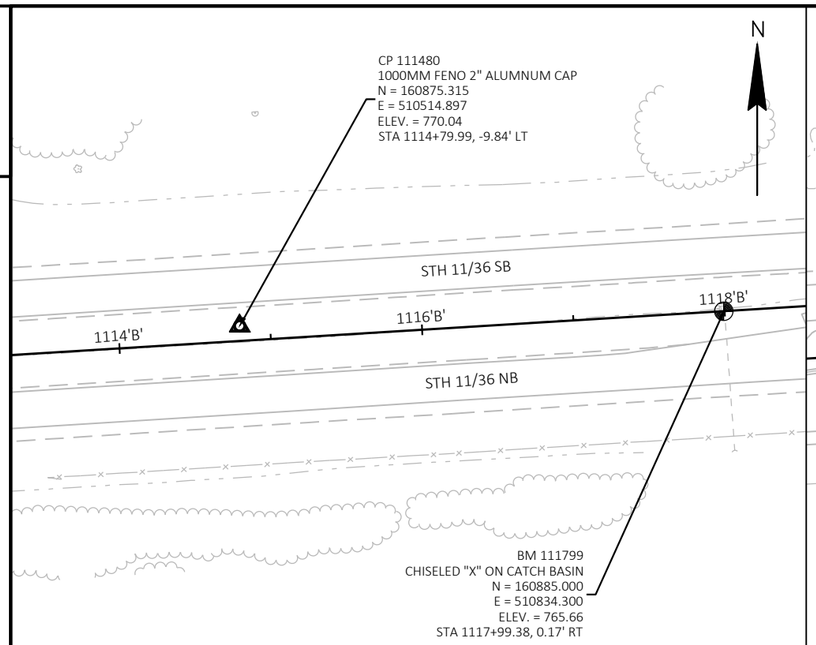
STA BACK = 388+85.81

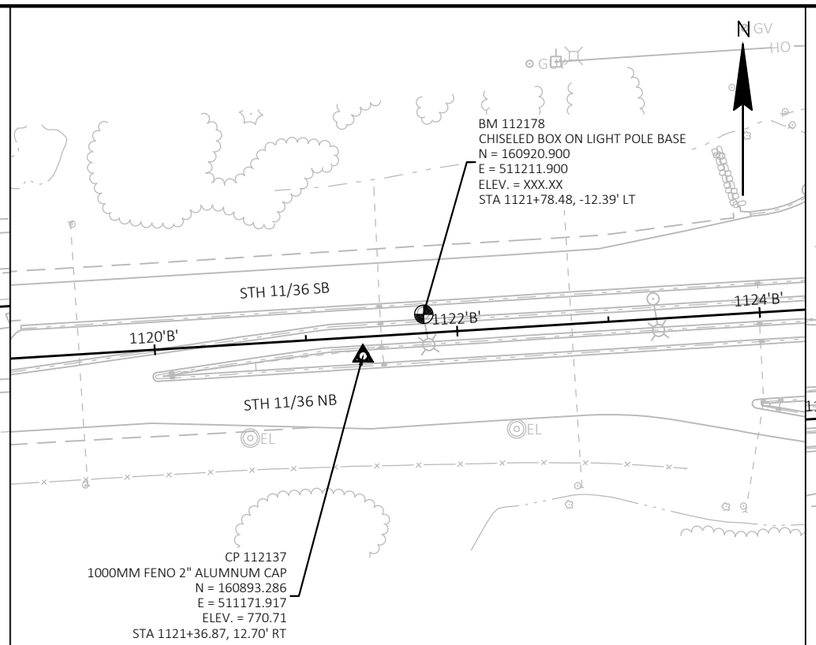
STA AHEAD = 388+87.33

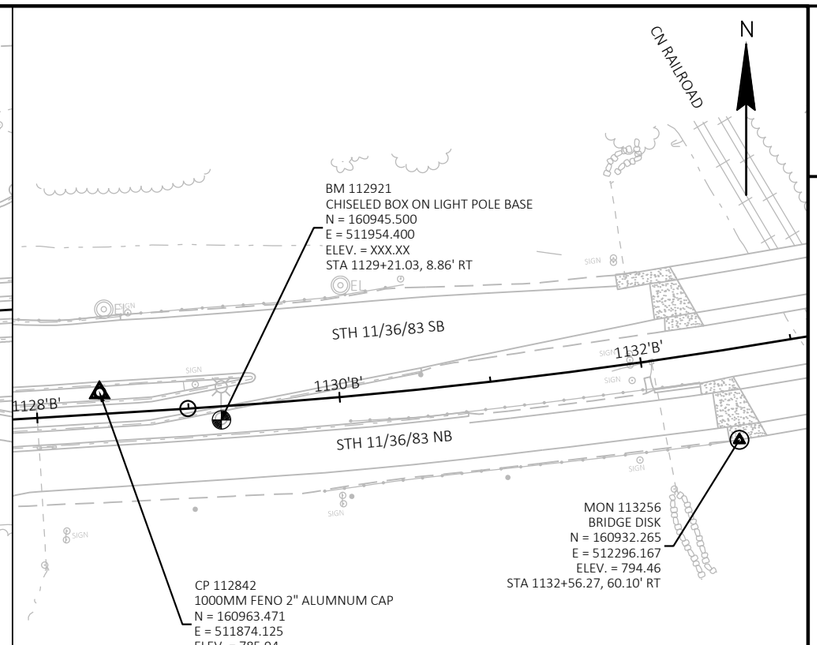
R/L STH 36
CURVE #29

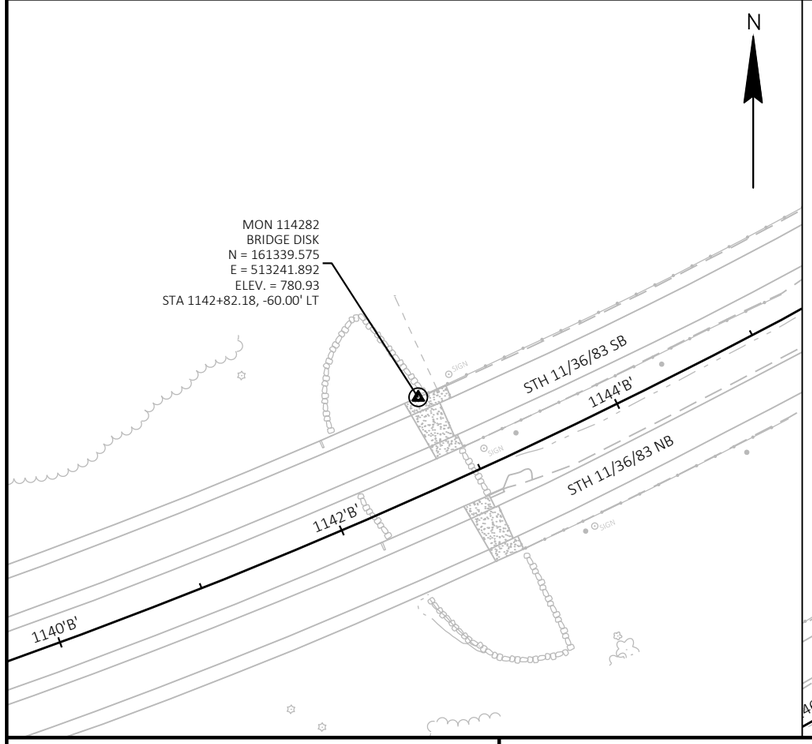
PI STA = 383+14.75
Y = 198704.100
X = 528066.480
DELTA = 17°15'49" LT
D = 1°30'00"
T = 579.84'
L = 1150.89'
R = 3819.69'
PC STA = 377+34.92
Y = 198243.500
X = 527714.257
PT STA = 388+87.33
Y = 199248.477
X = 528266.144
DB = N37°24'19"E
DA = N20°08'31"E

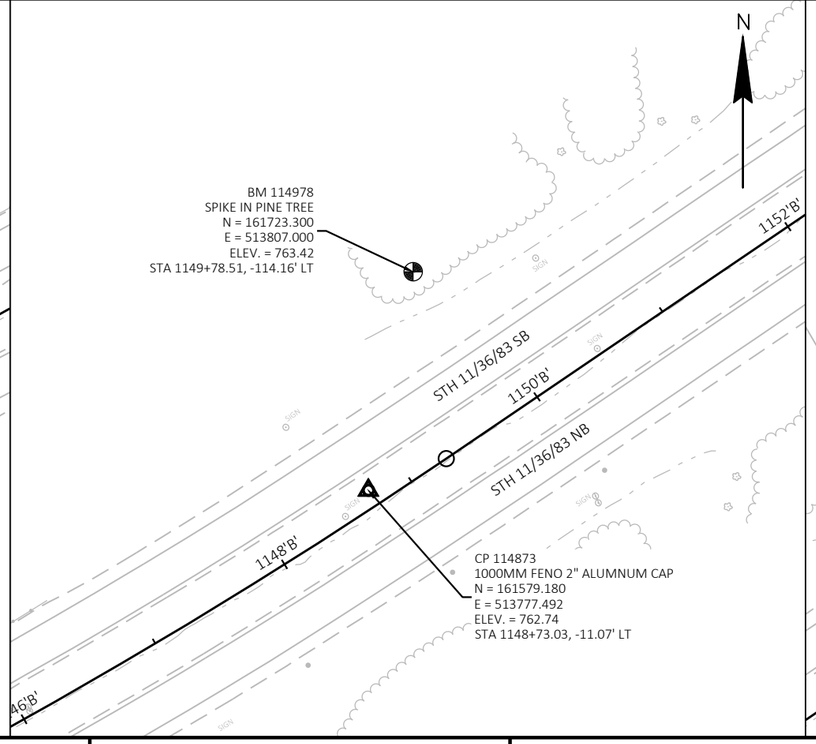
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT DETAILS	SHEET 336	E

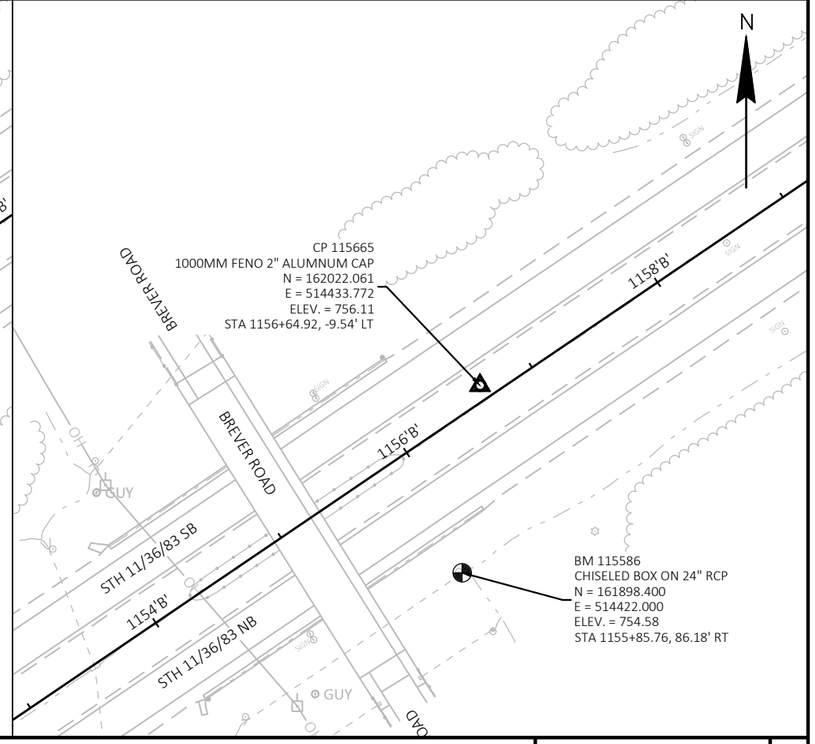








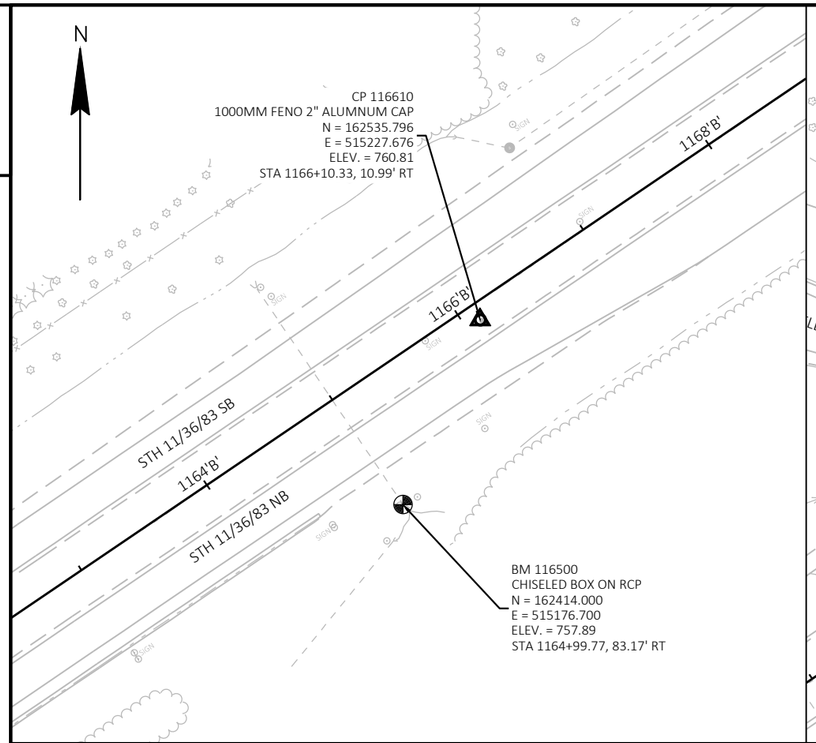


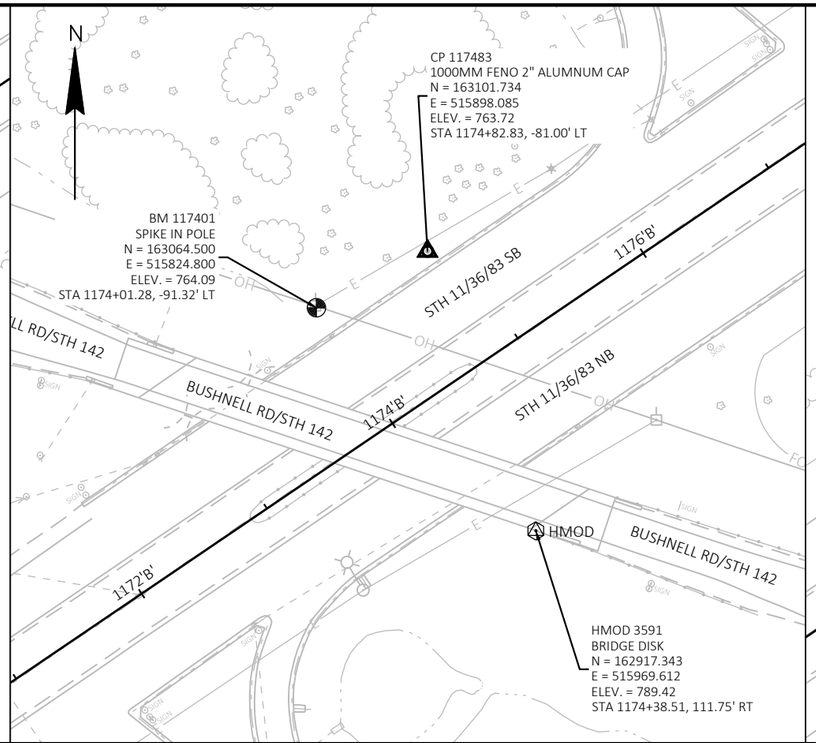


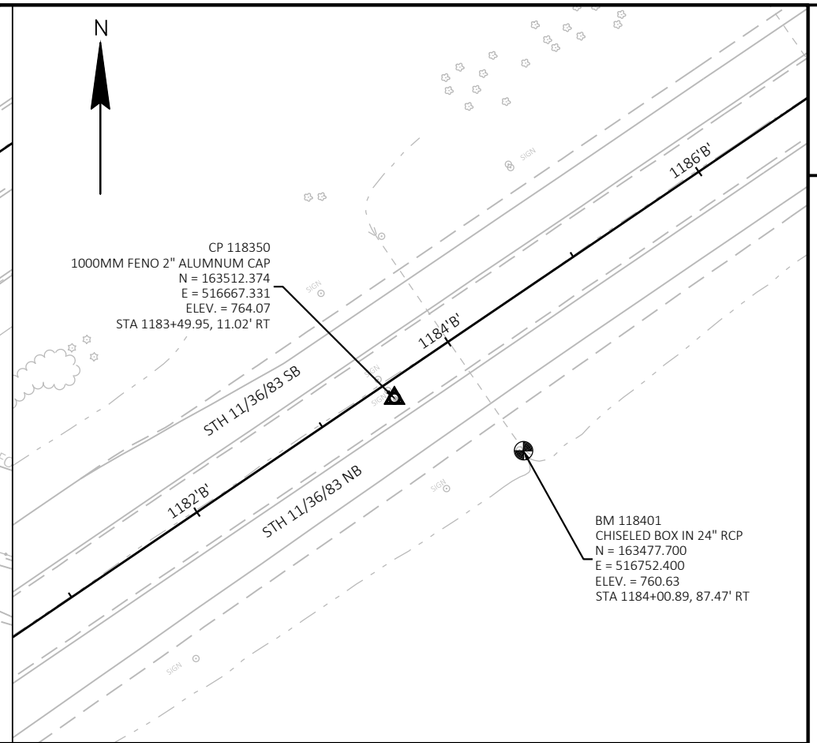
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT LAYOUT SURVEY CONTROL	SHEET 337	E

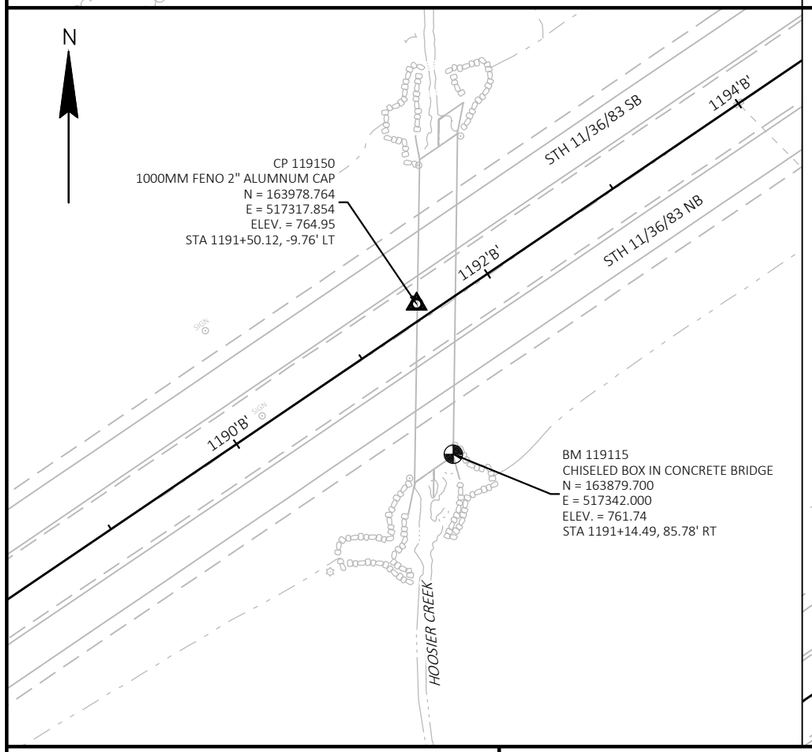
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - SC01
PLOT DATE : 1/31/2022 1:25 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

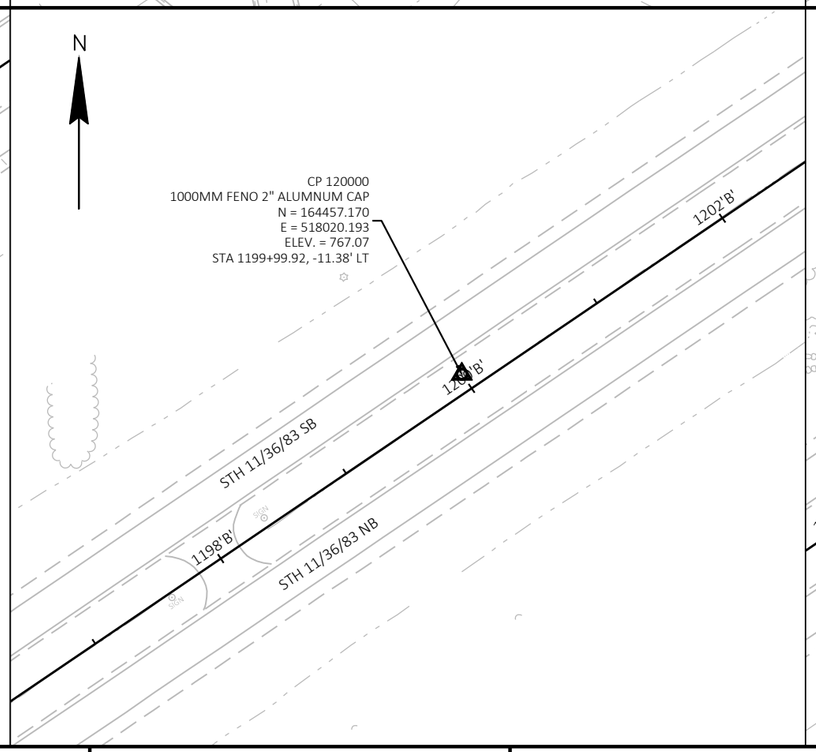
2

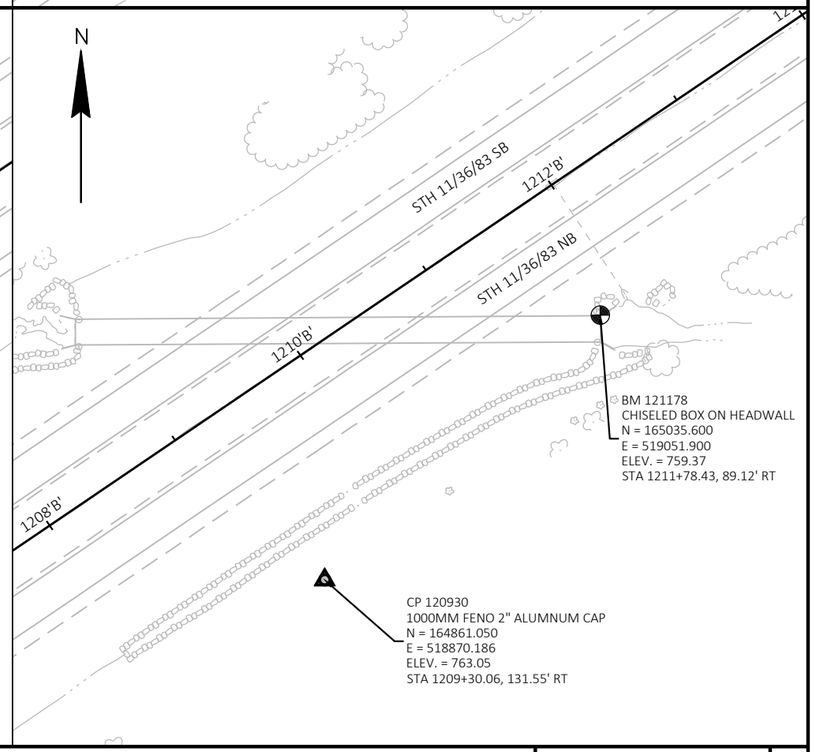






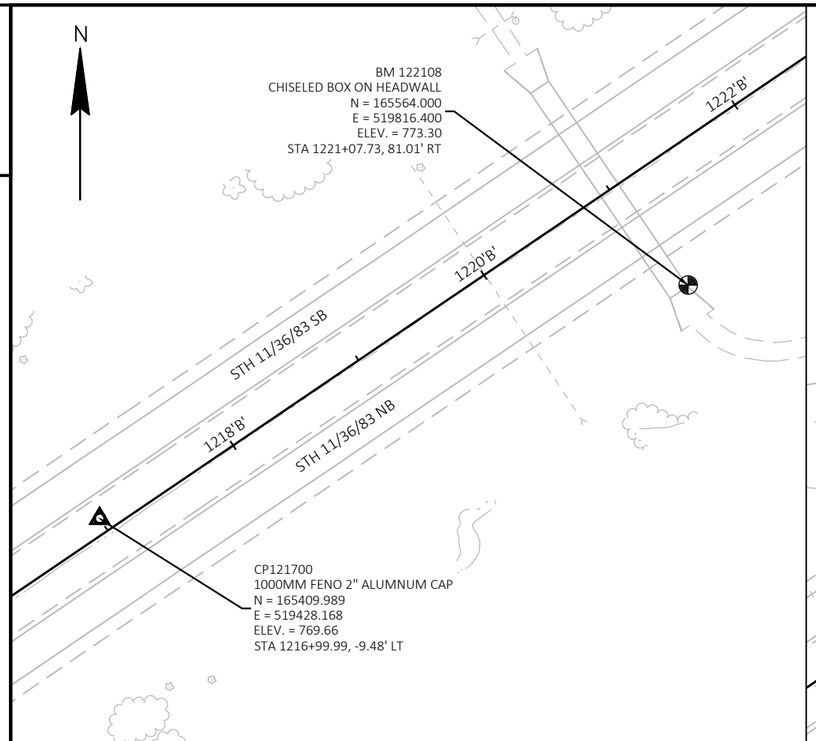


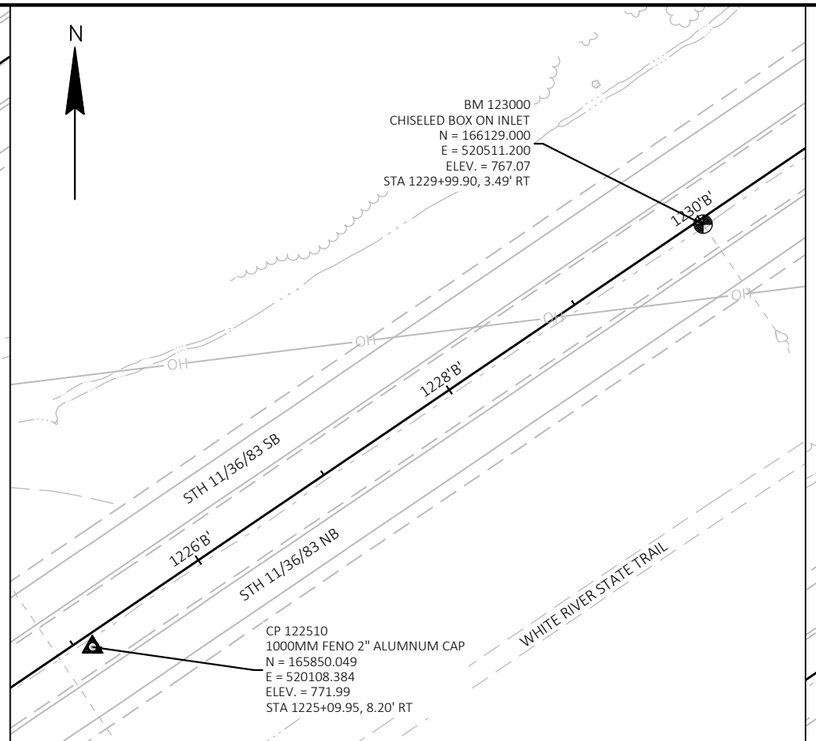


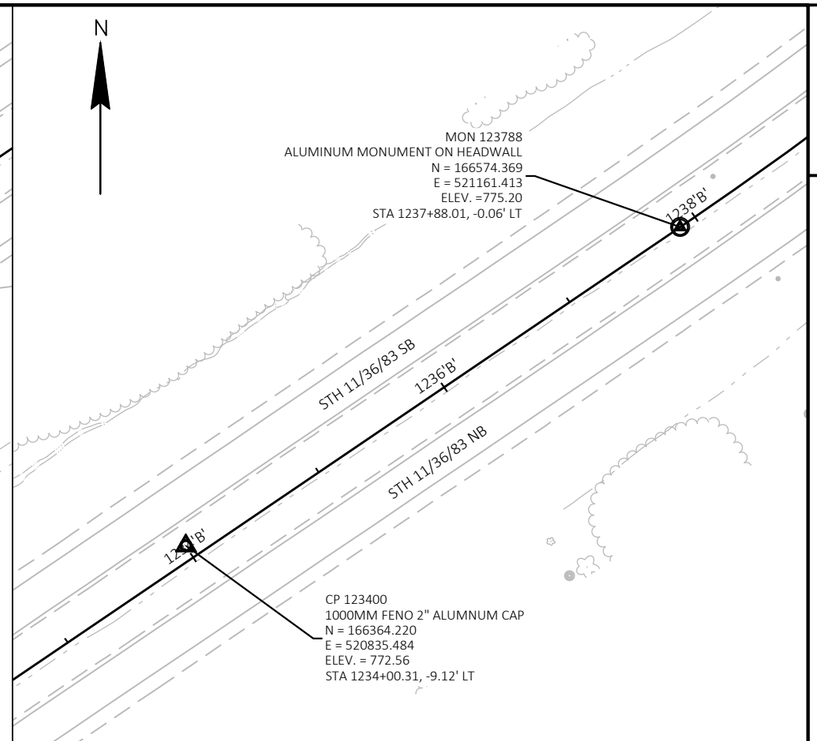


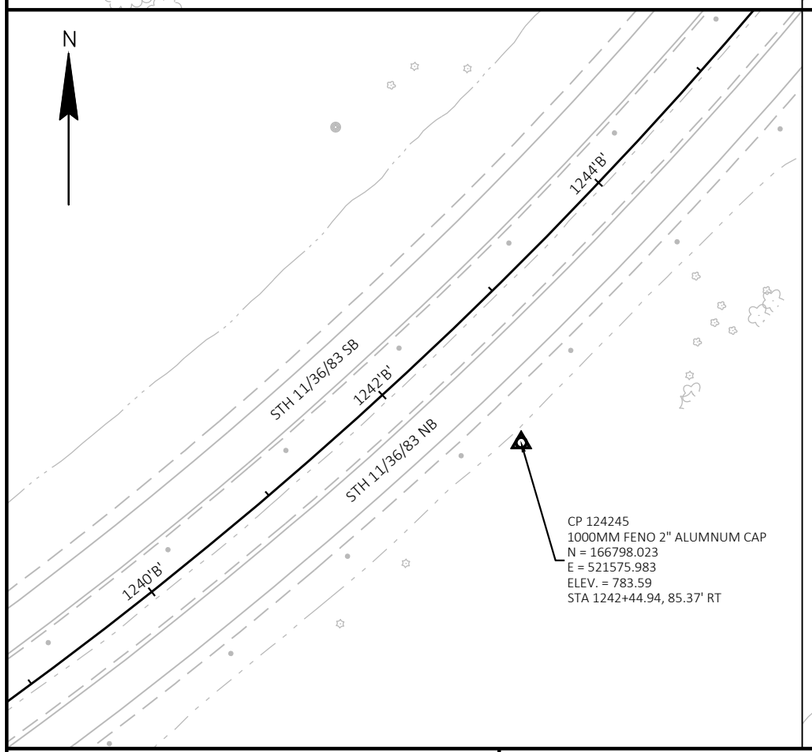
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT LAYOUT SURVEY CONTROL	SHEET 338	E

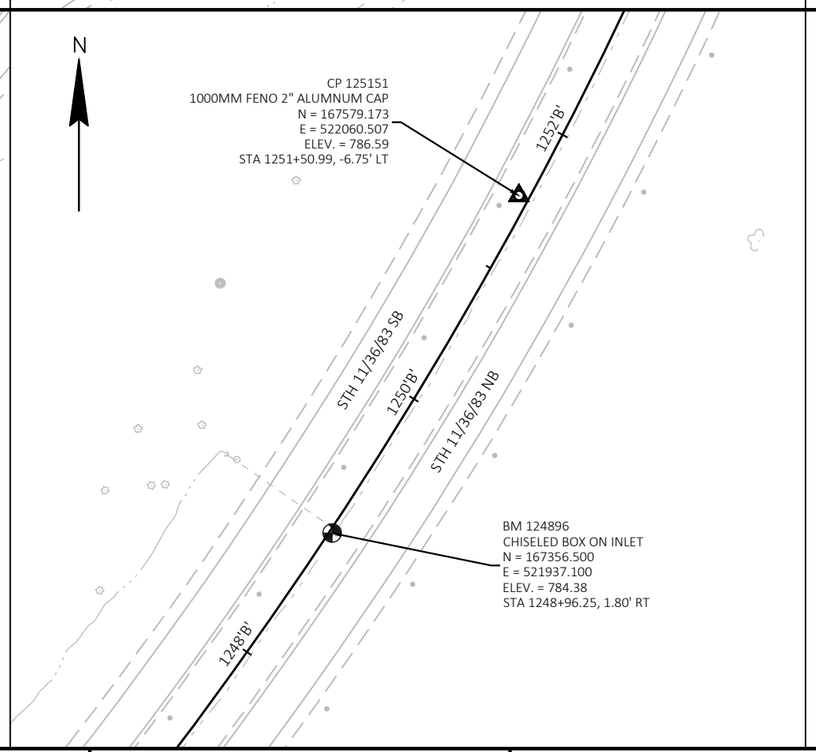
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - SC02
PLOT DATE : 1/31/2022 1:28 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

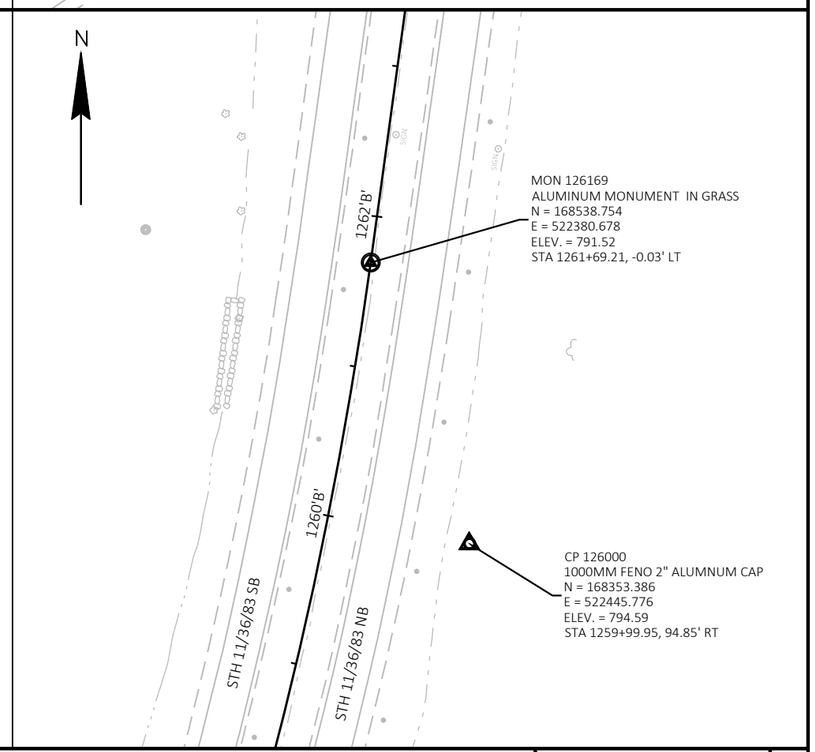




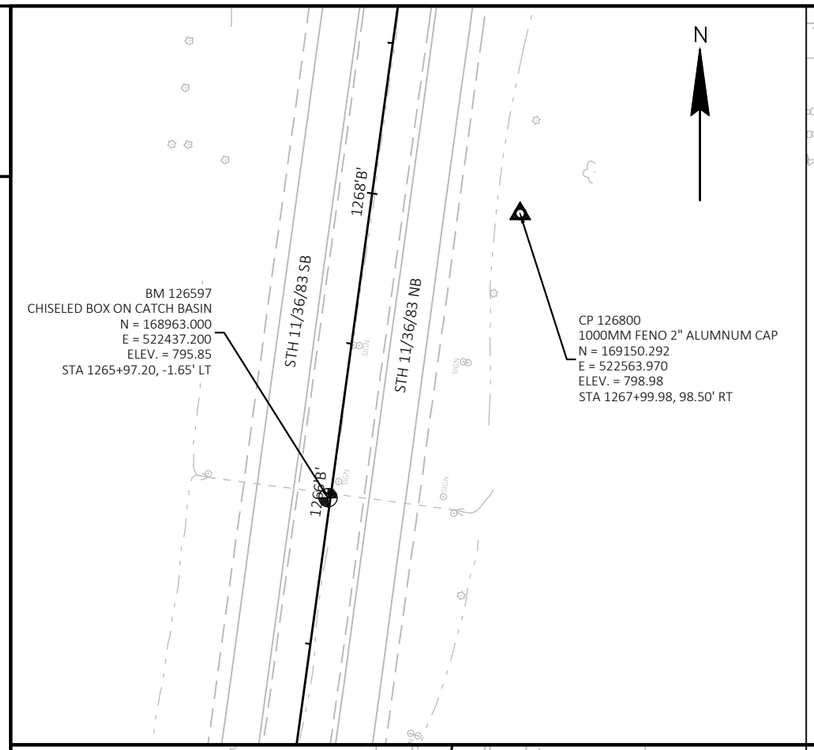


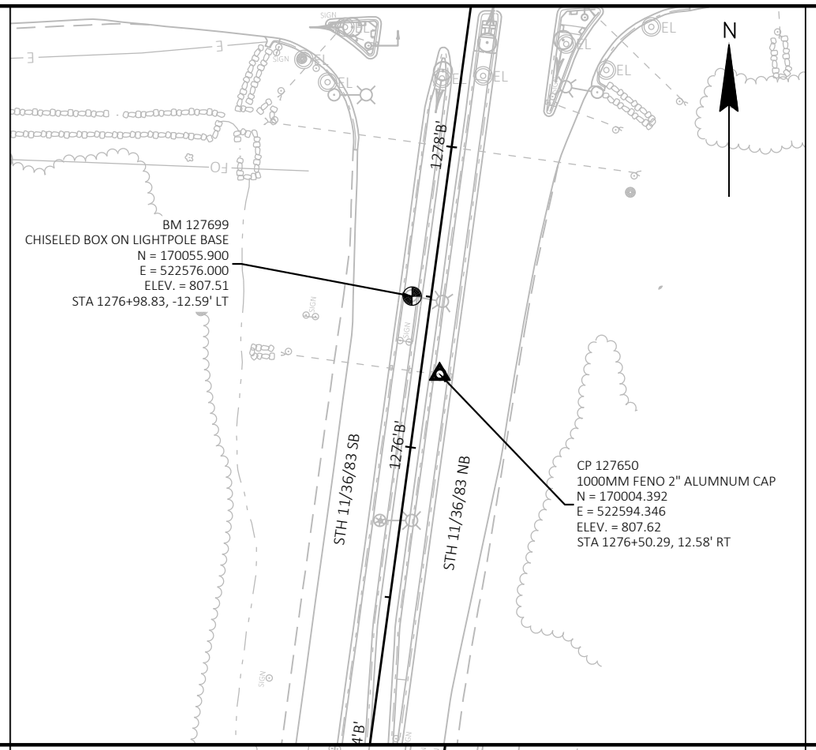


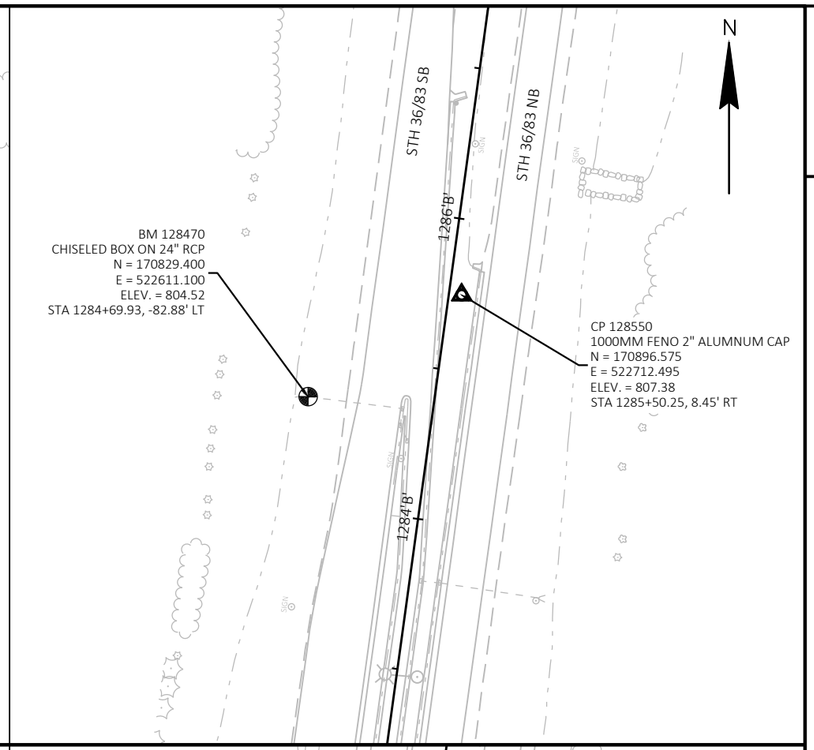


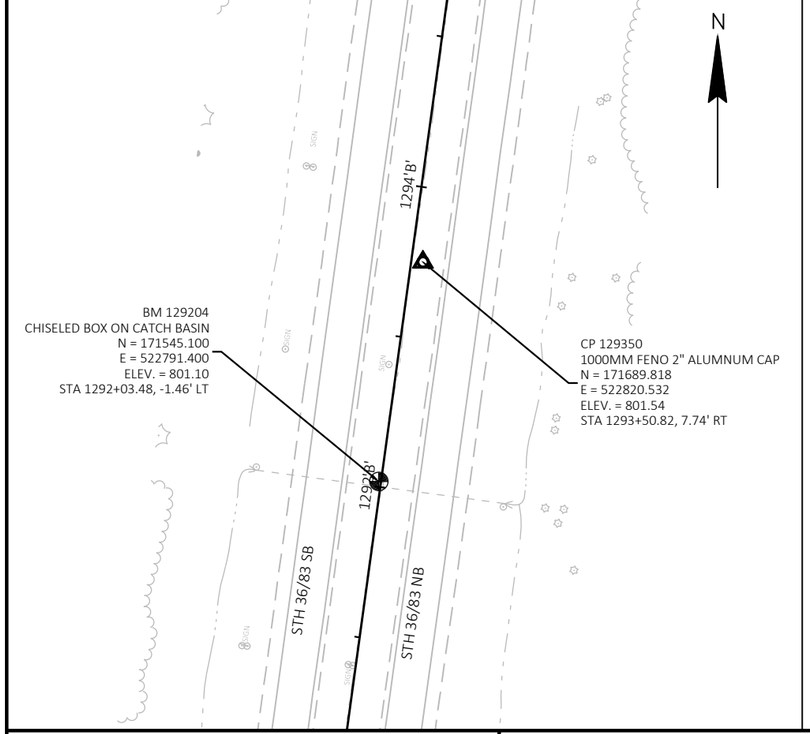


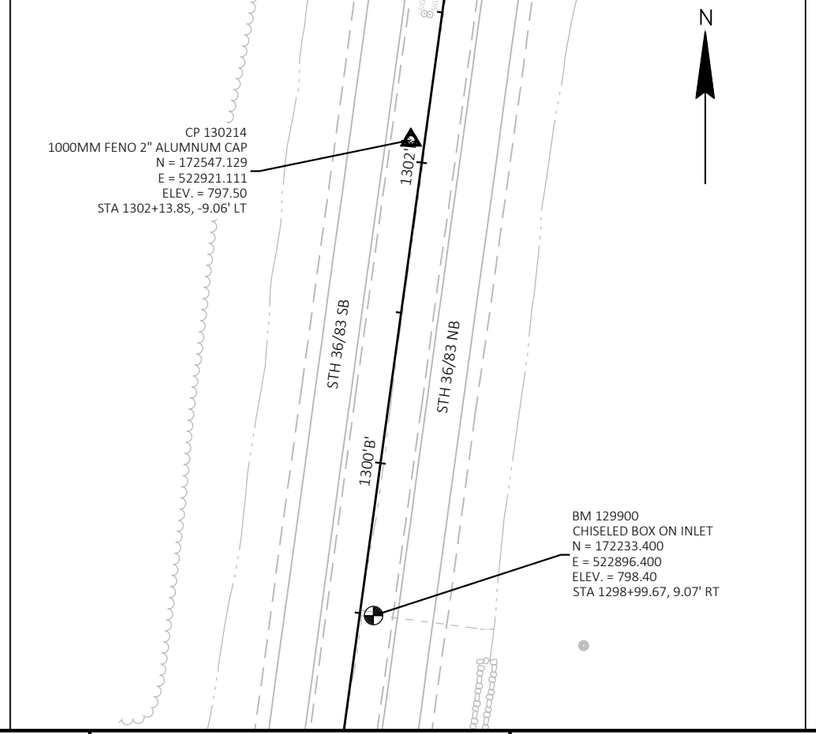
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT LAYOUT SURVEY CONTROL	SHEET 339	E

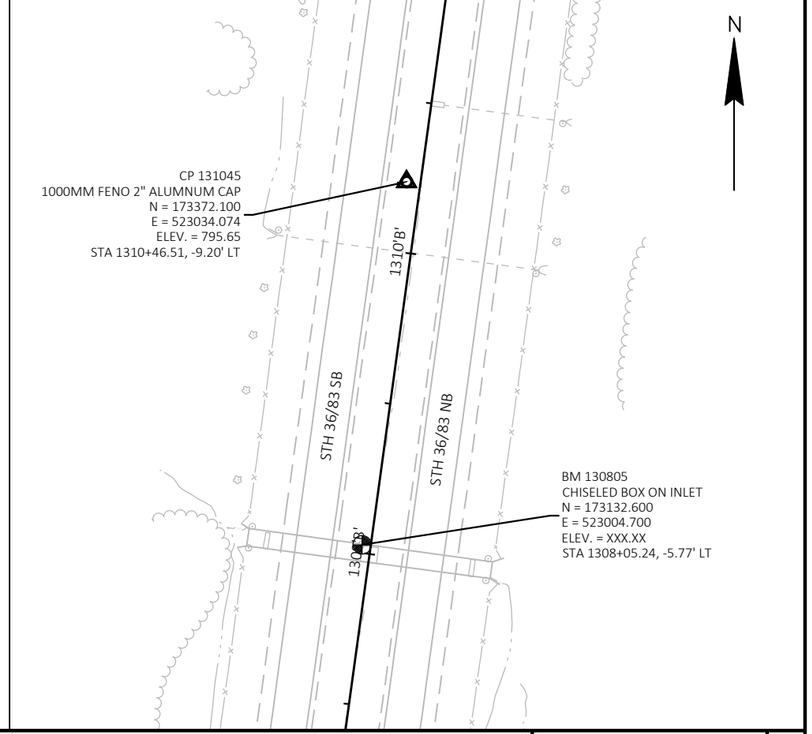




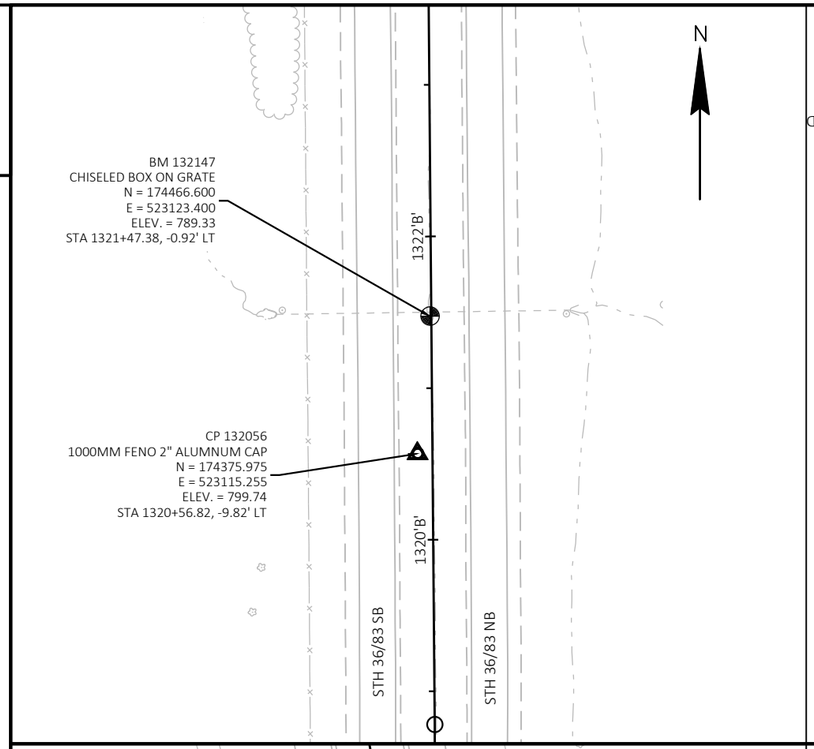


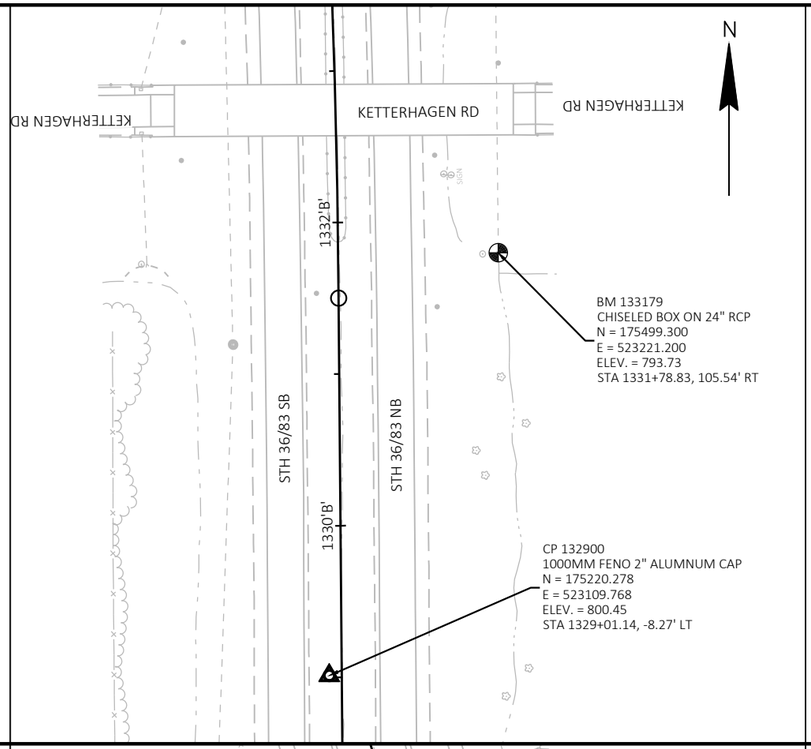


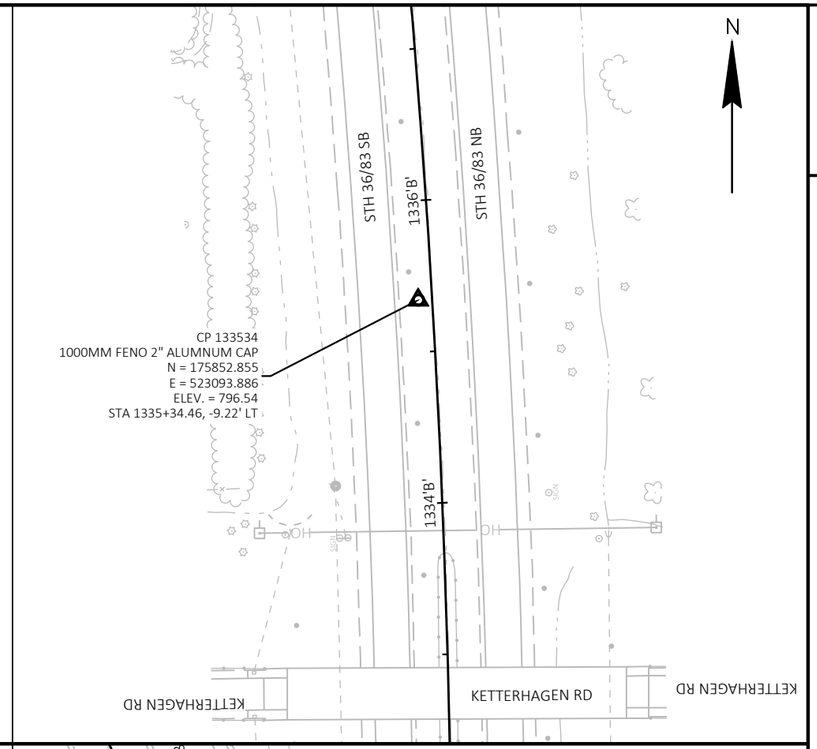


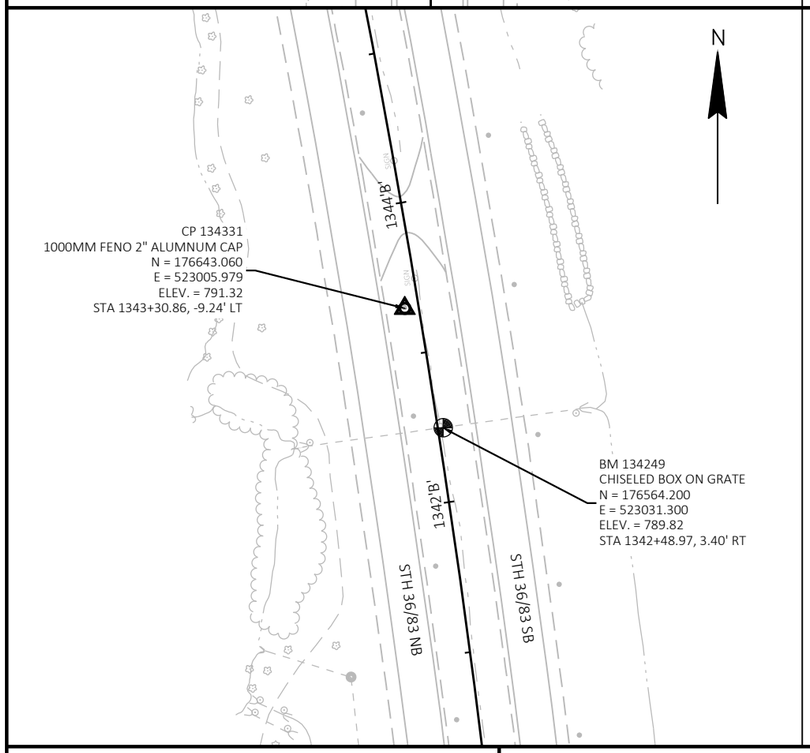


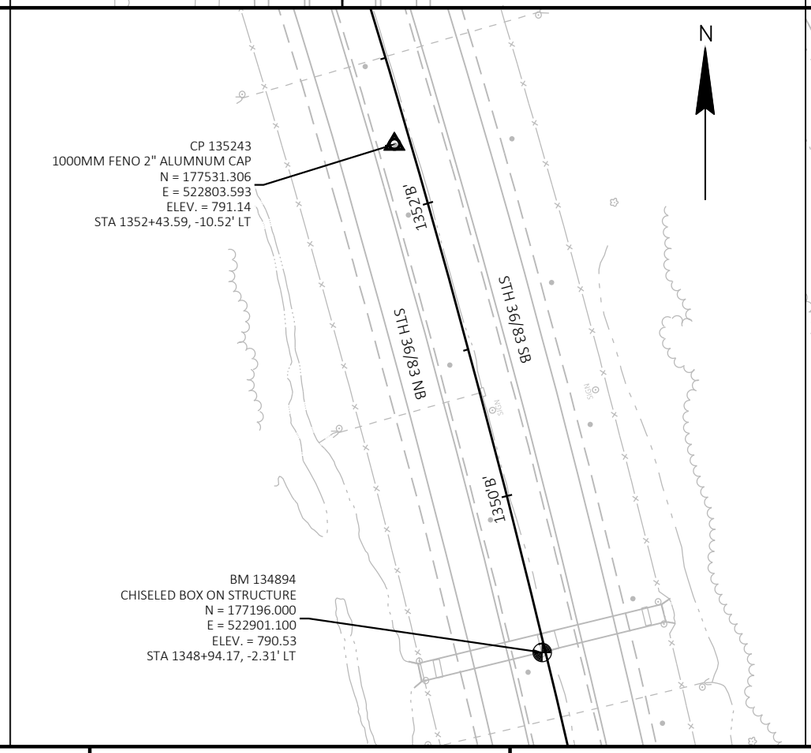
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT LAYOUT SURVEY CONTROL	SHEET 340	E

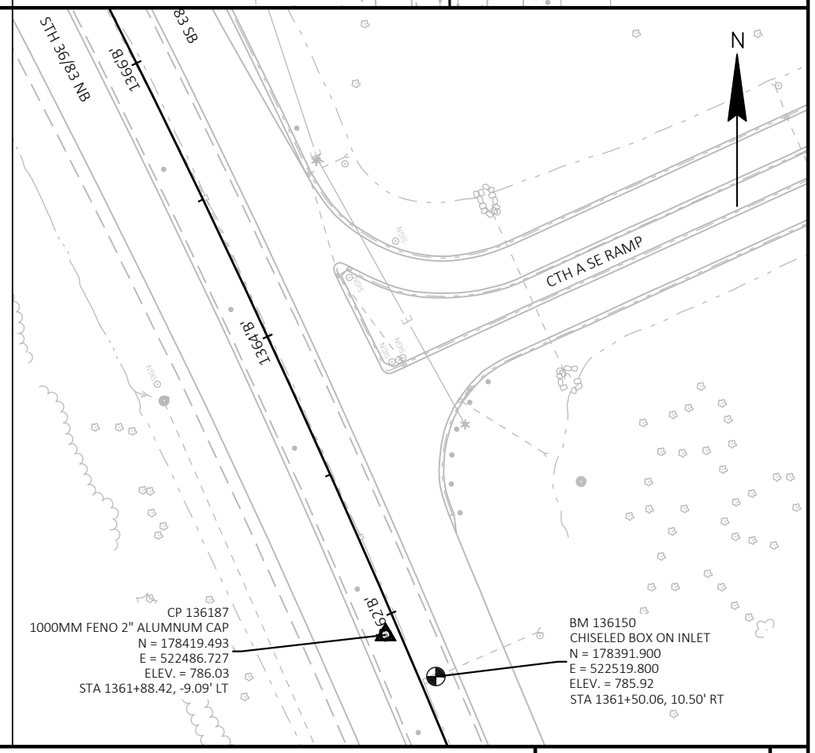




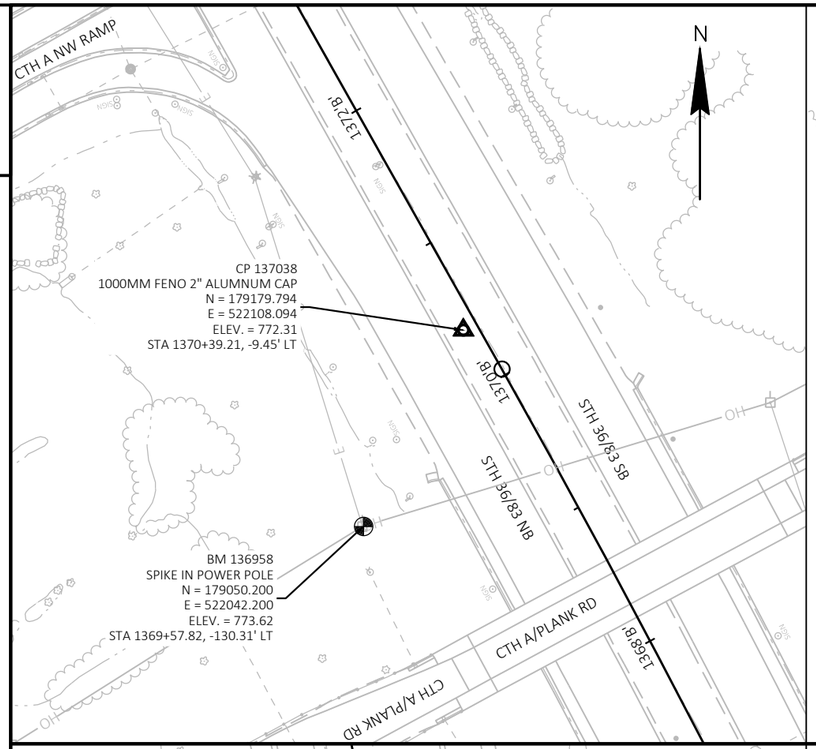


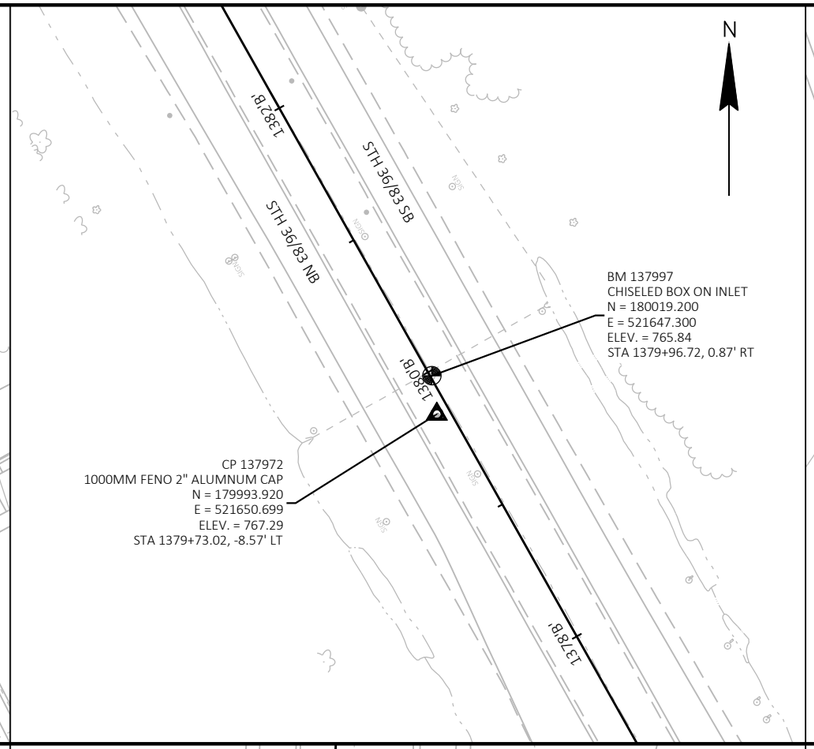


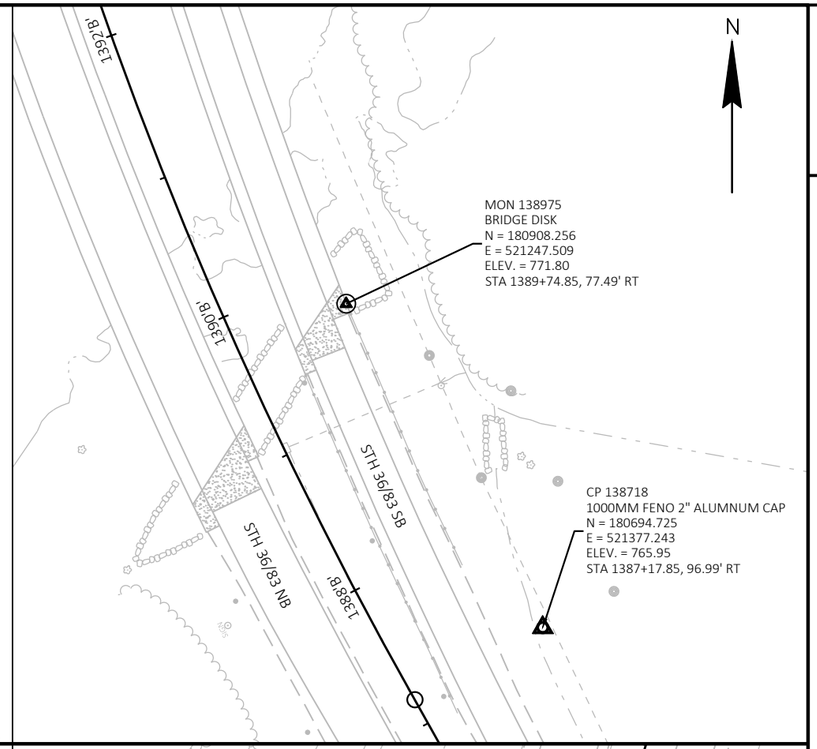


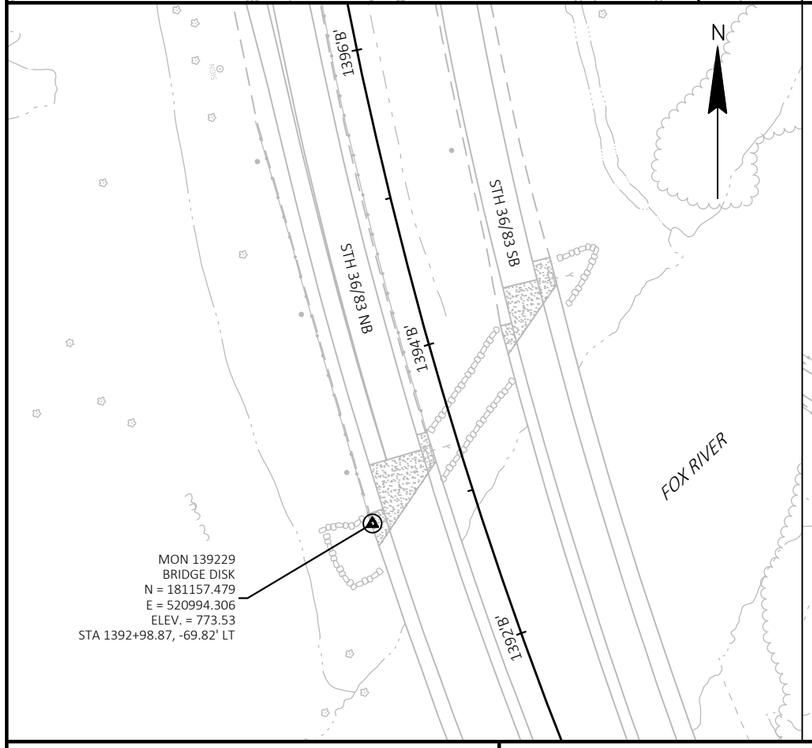


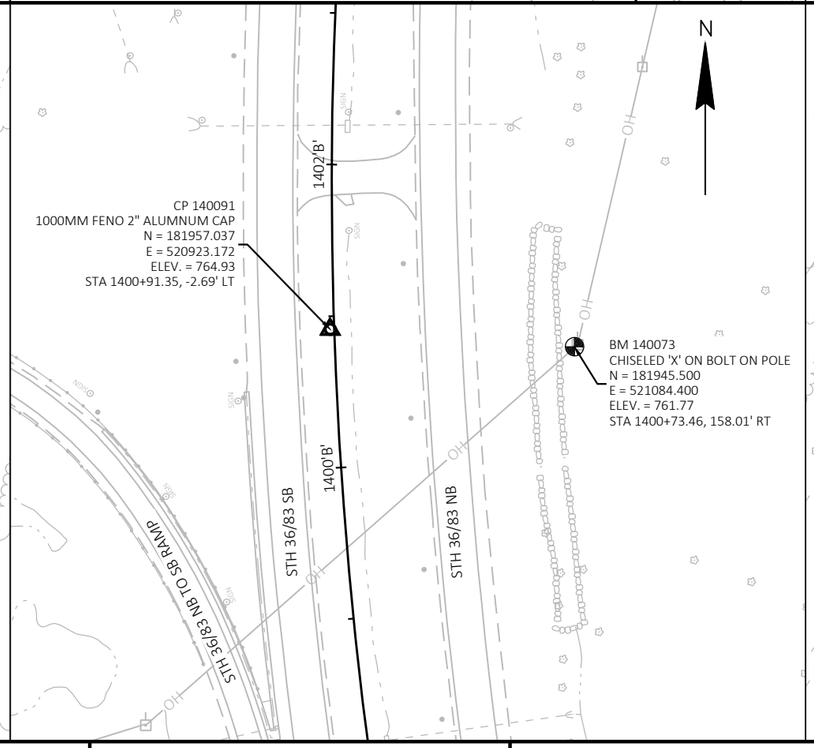
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT LAYOUT SURVEY CONTROL	SHEET 341	E

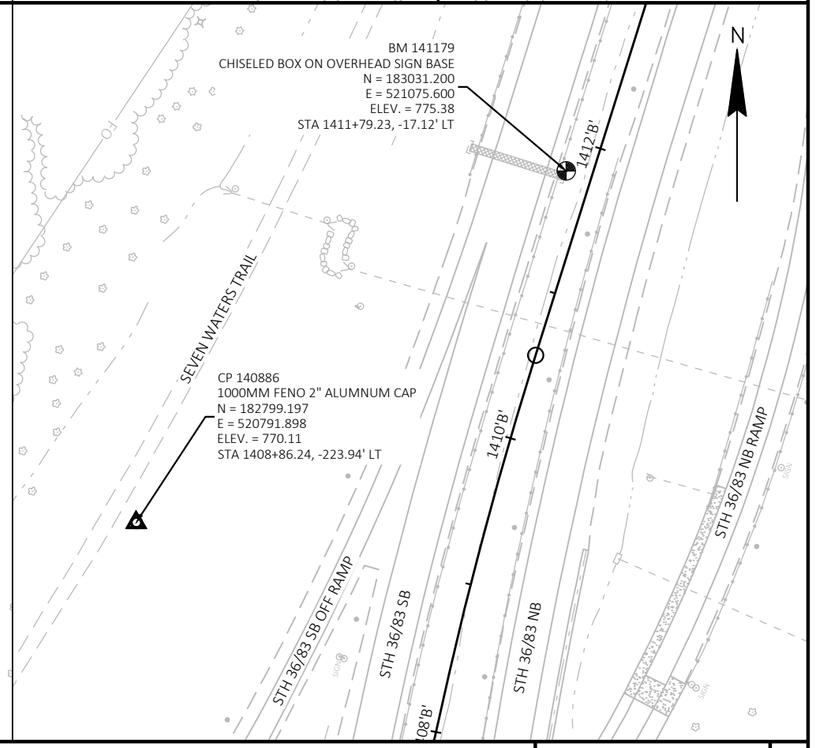






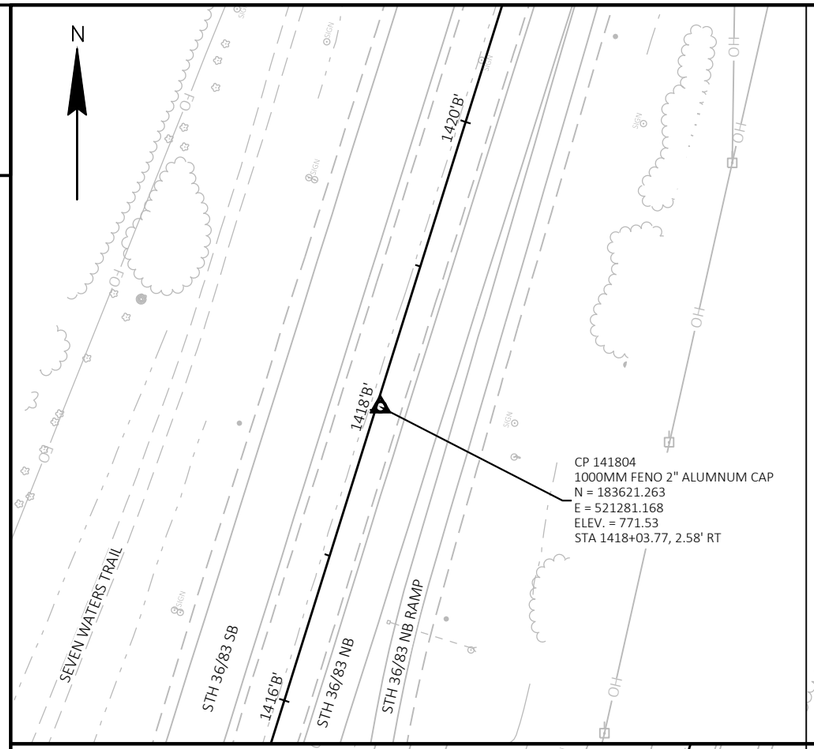


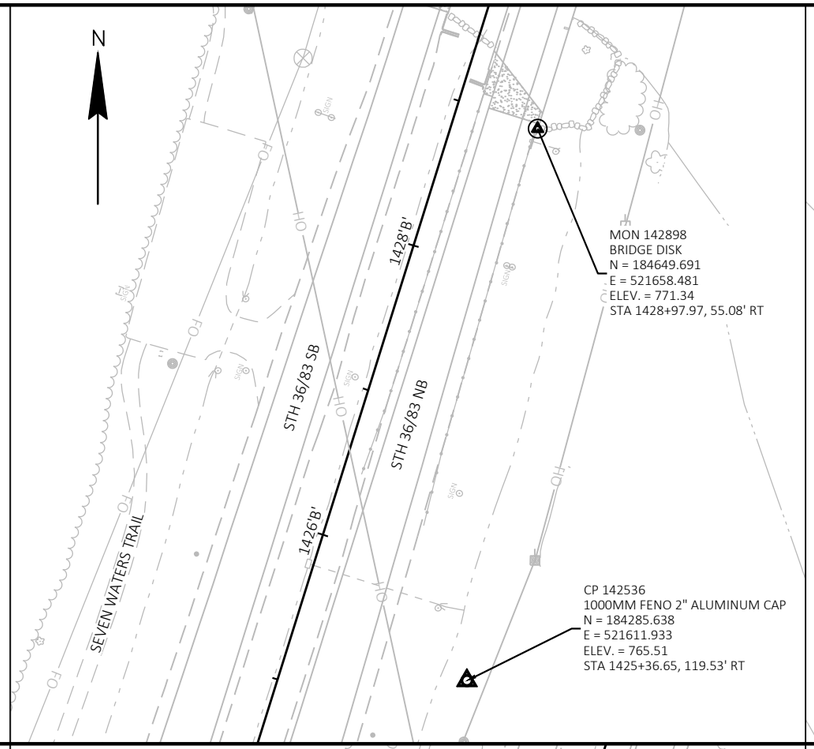


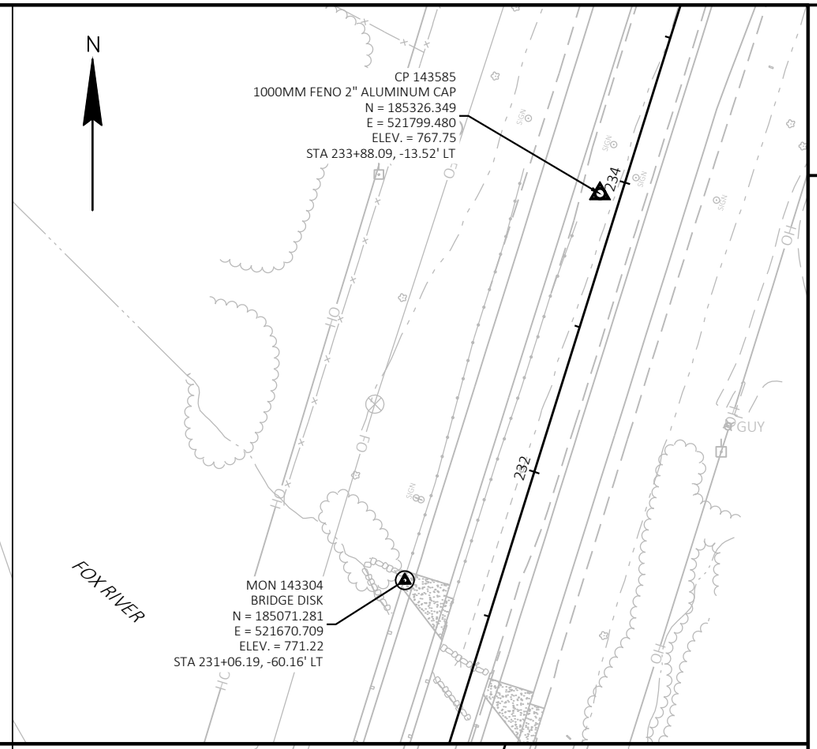


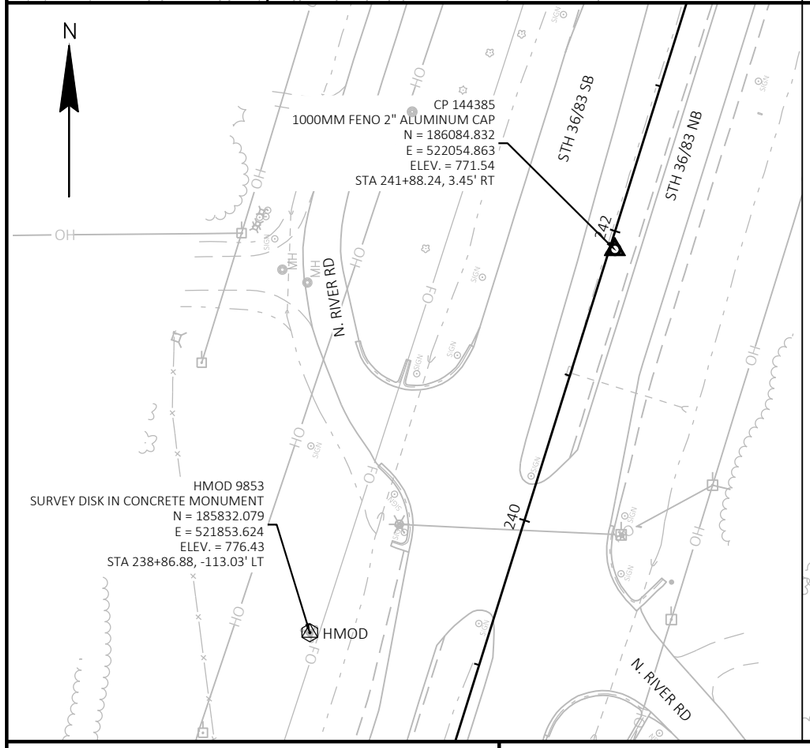
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT LAYOUT SURVEY CONTROL	SHEET 342	E

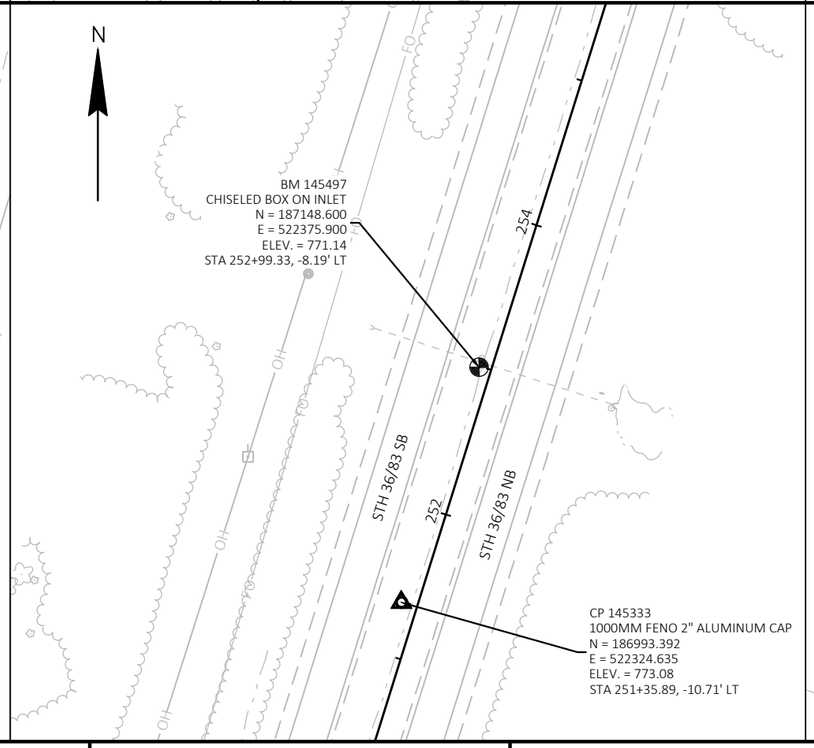
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - SC06
PLOT DATE : 1/31/2022 1:40 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

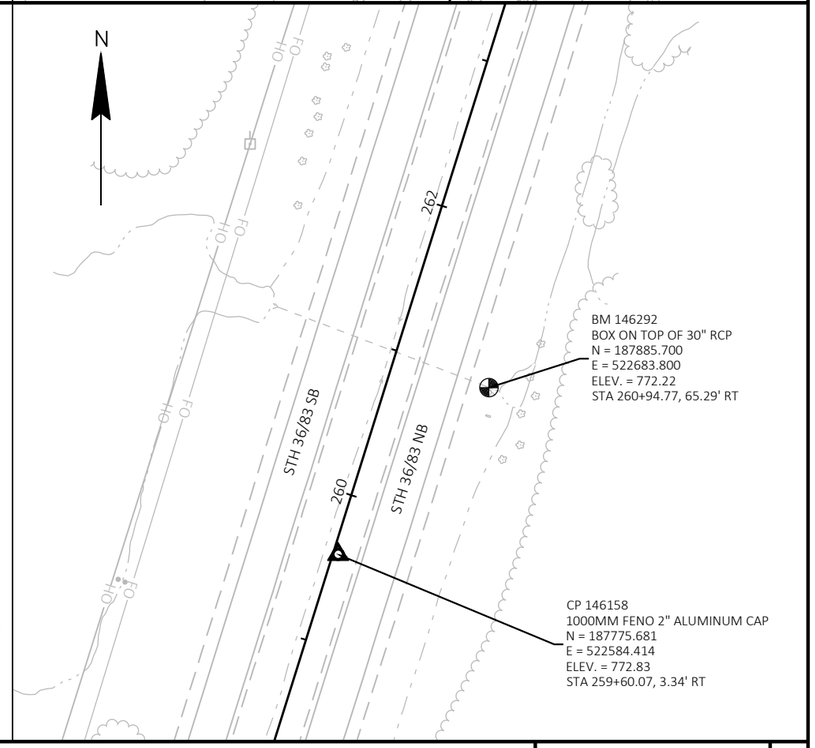






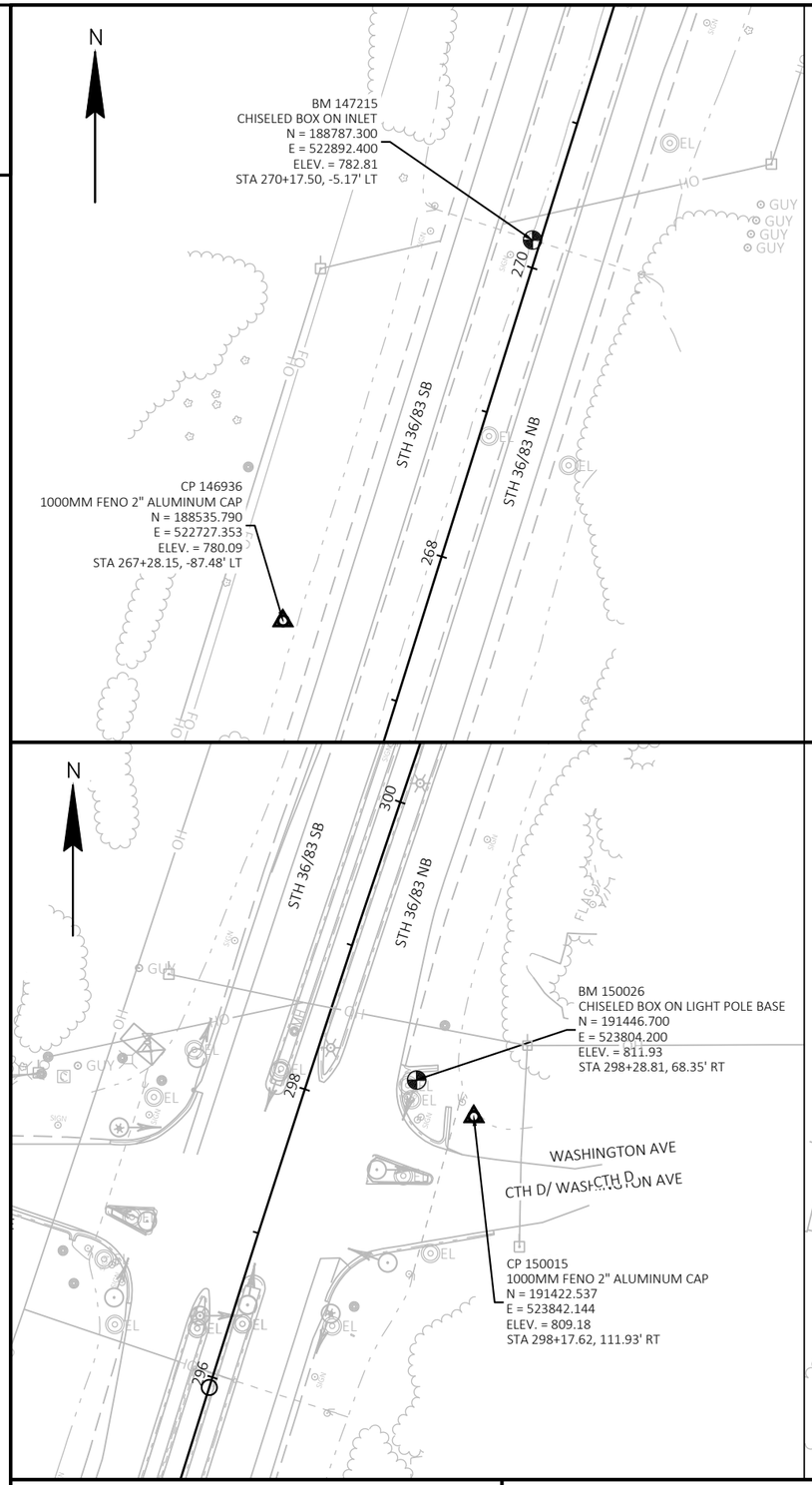


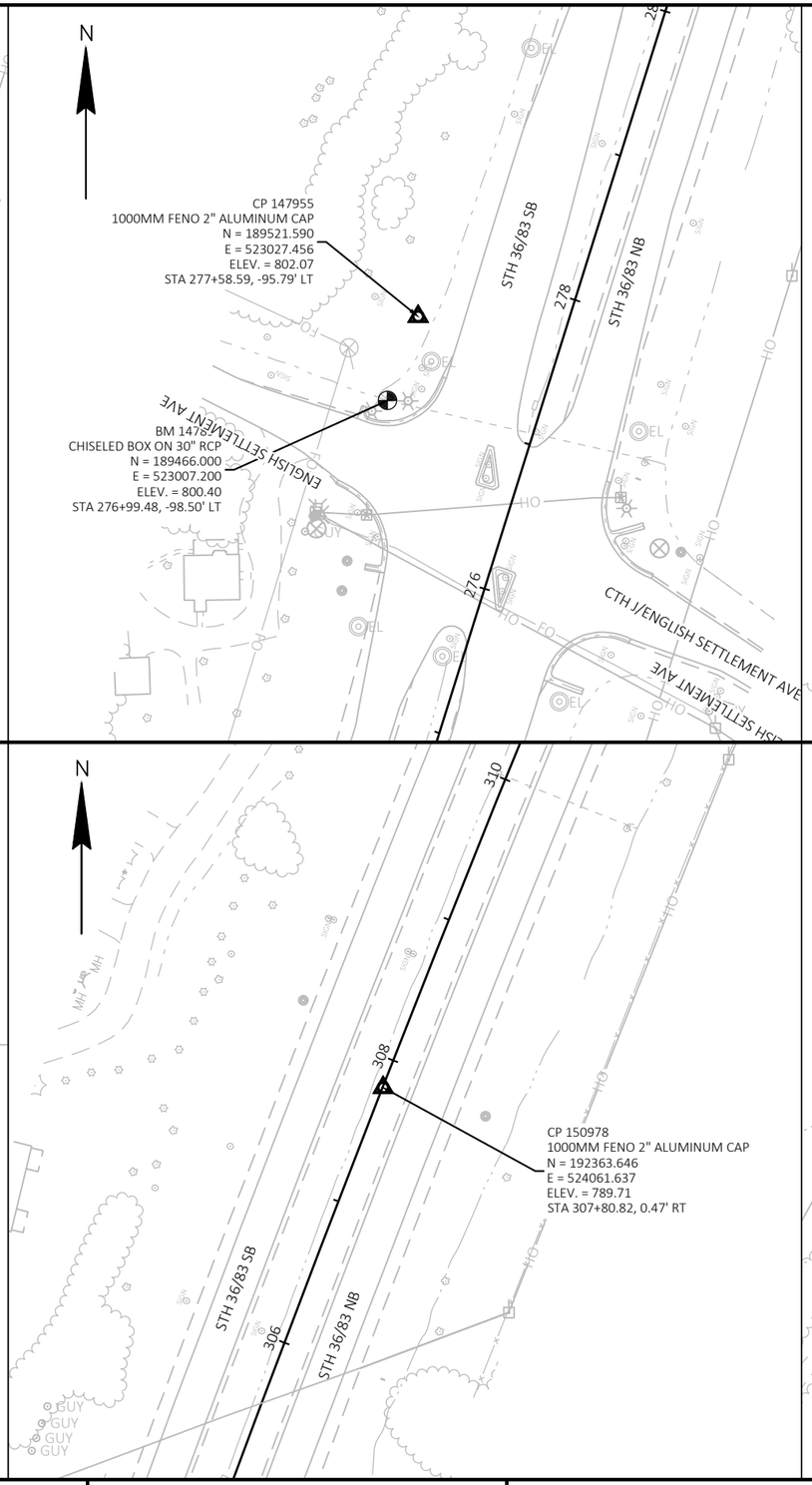


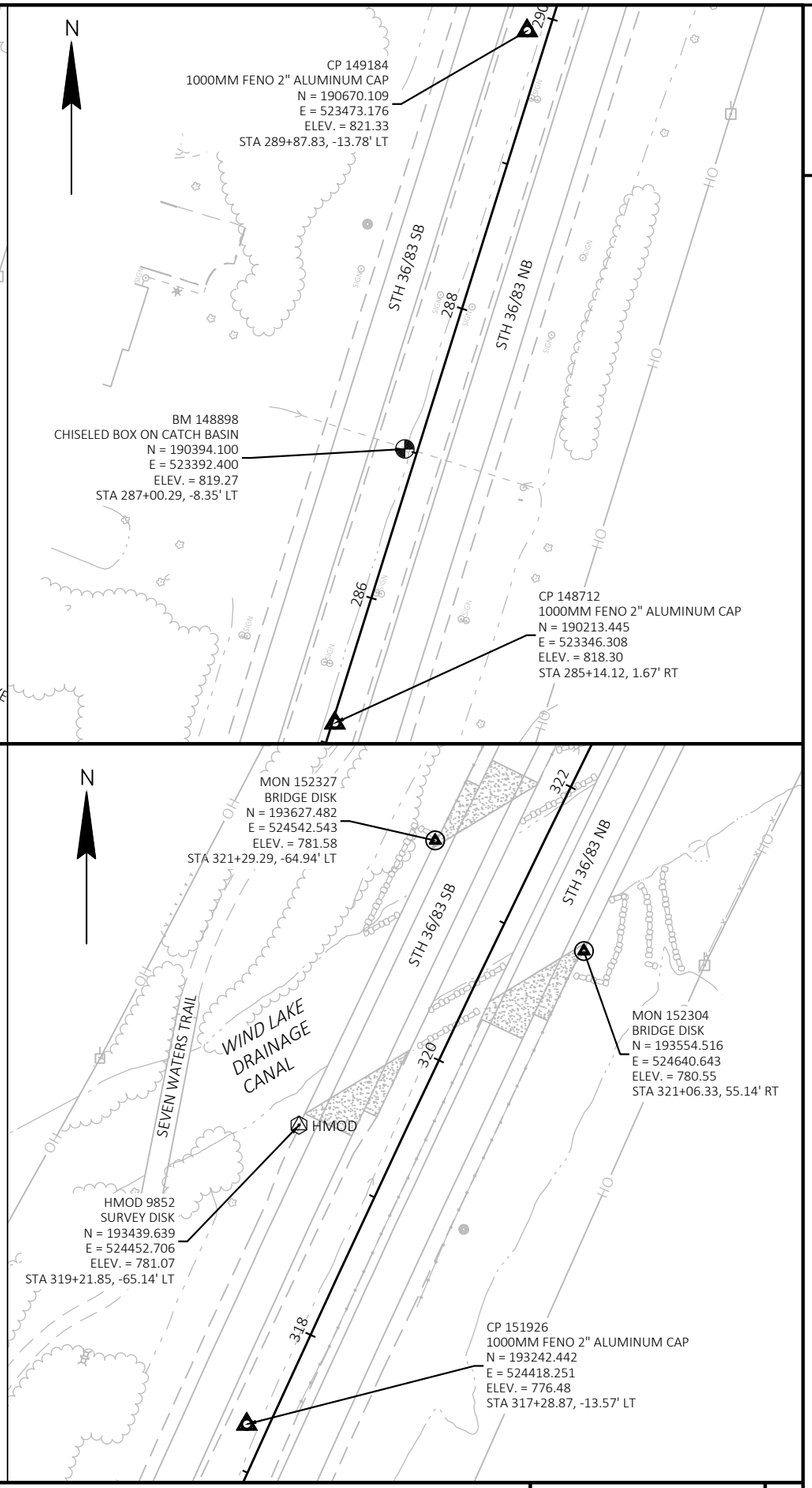


PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT LAYOUT SURVEY CONTROL	SHEET 343	E

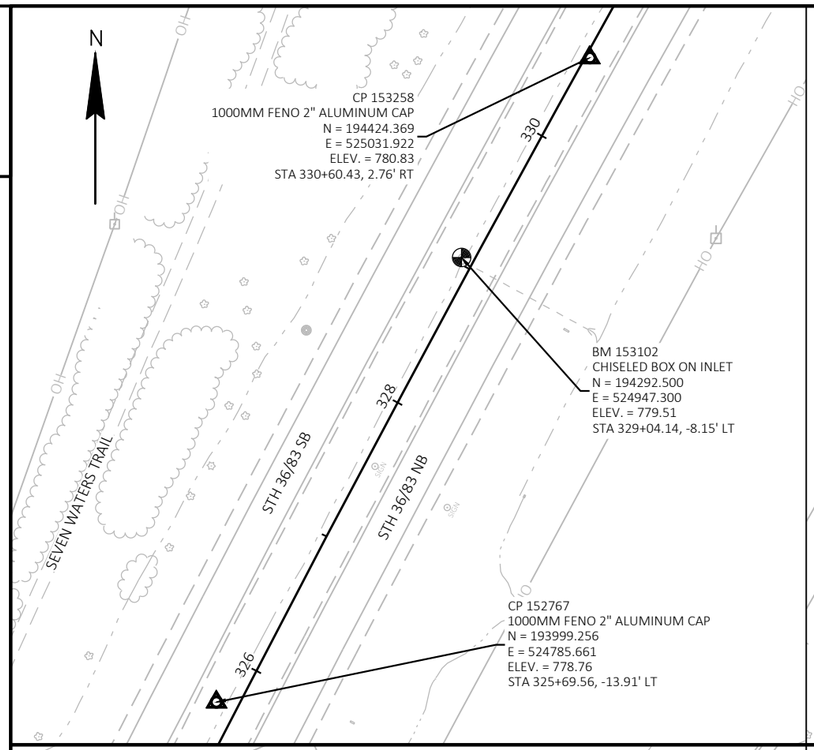
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - SC07
PLOT DATE : 1/31/2022 1:42 PM
PLOT BY : JOHNSON, ZACHARY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

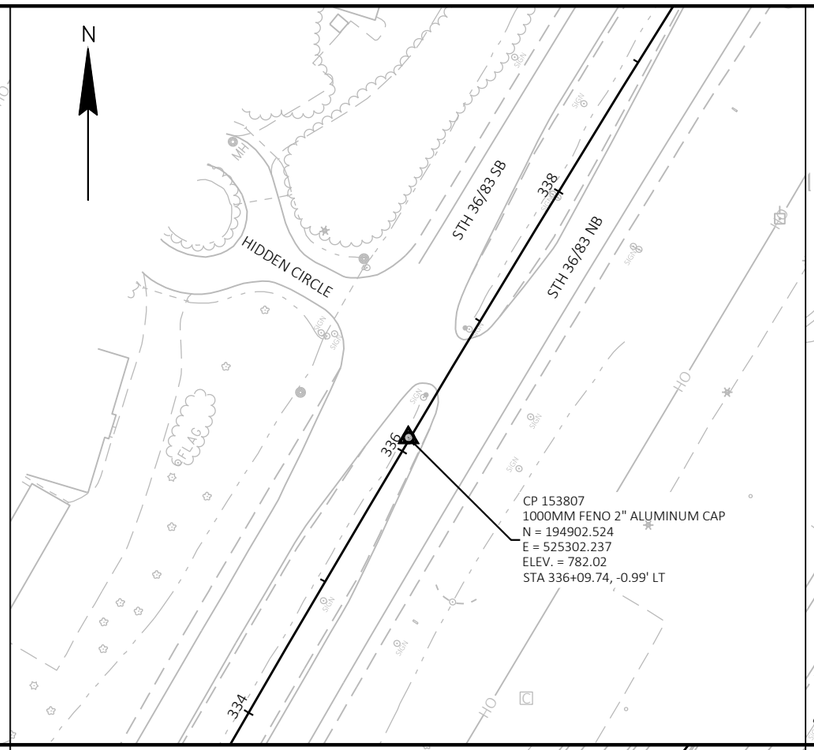


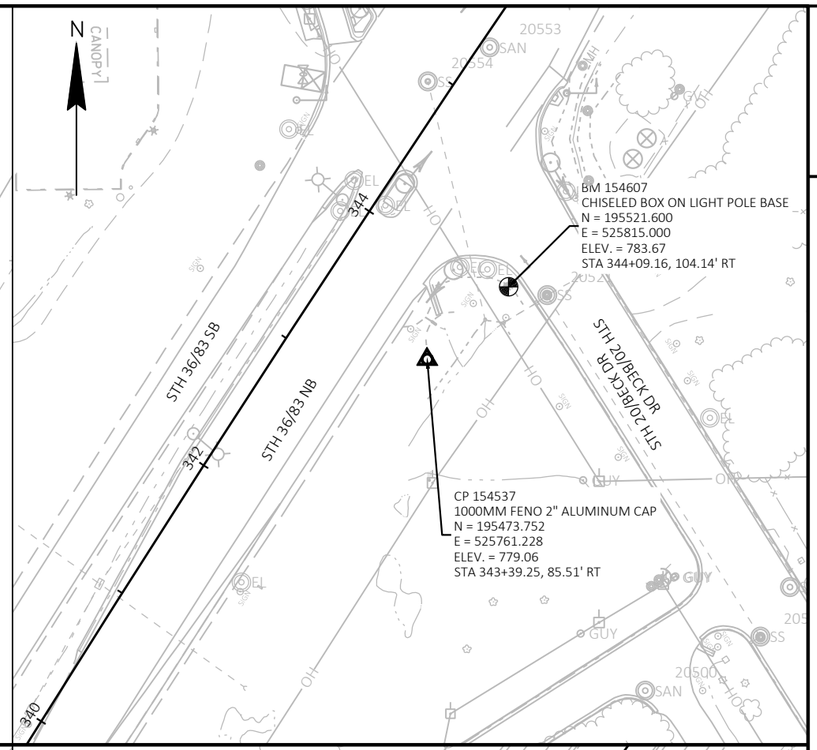


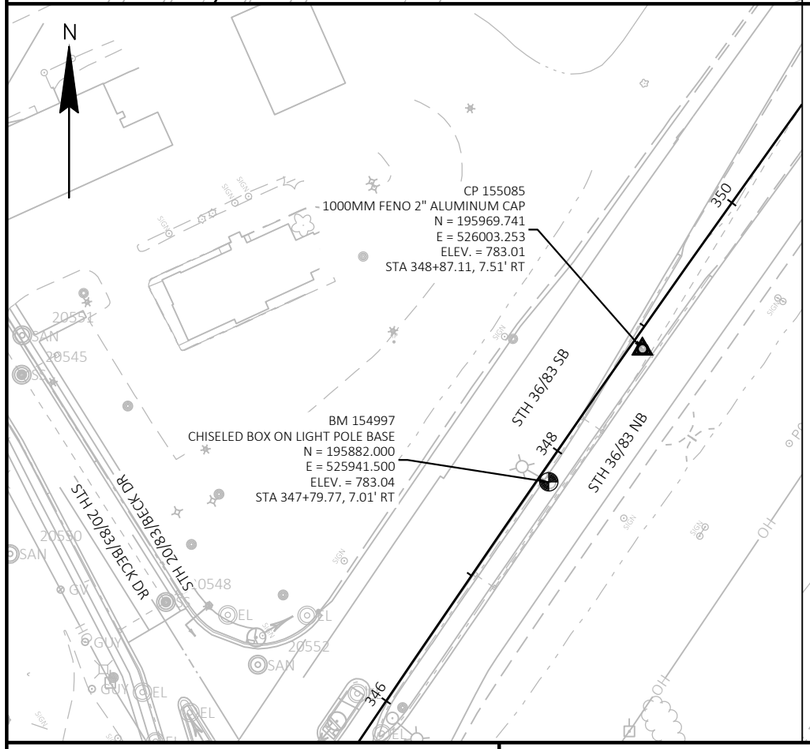


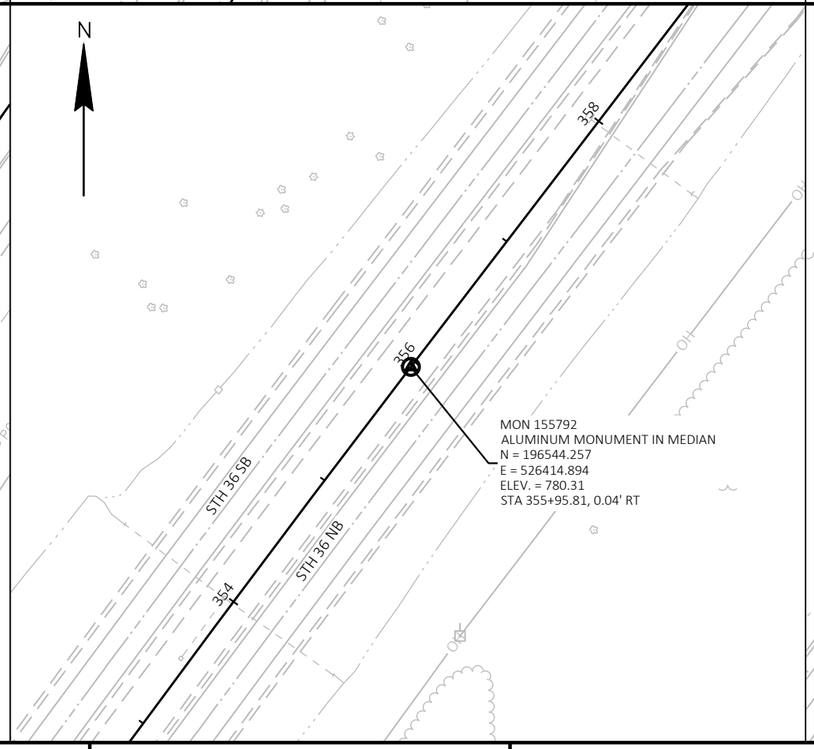
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT LAYOUT SURVEY CONTROL	SHEET 344	E

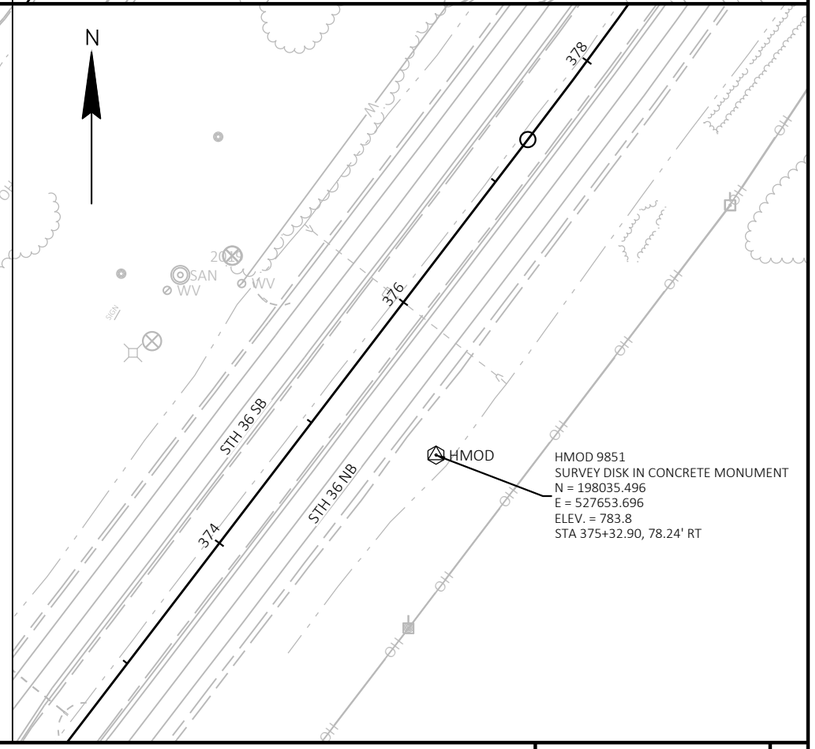












PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	ALIGNMENT LAYOUT SURVEY CONTROL	SHEET 345	E

3180-00-76

Line	Item	Item Description	Unit	Total	Qty
0002	201.0110	Clearing	SY	1,209.000	1,209.000
0004	201.0210	Grubbing	SY	1,209.000	1,209.000
0006	204.0110	Removing Asphaltic Surface	SY	21,989.000	21,989.000
0008	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,055.000	1,055.000
0010	204.0125	Removing Asphaltic Surface Milling	TON	41,390.000	41,390.000
0012	204.0150	Removing Curb & Gutter	LF	912.000	912.000
0014	204.0155	Removing Concrete Sidewalk	SY	508.000	508.000
0016	204.0165	Removing Guardrail	LF	2,132.000	2,132.000
0018	204.0170	Removing Fence	LF	50.000	50.000
0020	204.0210	Removing Manholes	EACH	1.000	1.000
0022	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	6.000	6.000
0024	204.9060.S	Removing (item description) 01. Apron Endwalls	EACH	4.000	4.000
0026	204.9060.S	Removing (item description) 02. Inlet Covers	EACH	1.000	1.000
0028	204.9060.S	Removing (item description) 03. Traffic Signal Push Buttons STH 36 & STH 83	EACH	1.000	1.000
0030	204.9060.S	Removing (item description) 04. Loop Detector Wire and Lead-in Cable STH 36 & STH 83	EACH	1.000	1.000
0032	204.9060.S	Removing (item description) 05. Loop Detector Wire and Lead-in Cable STH 36 & STH 11	EACH	1.000	1.000
0034	204.9060.S	Removing (item description) 06. Loop Detector Wire and Lead-in Cable STH 36 & CTH D	EACH	1.000	1.000
0036	204.9060.S	Removing (item description) 07. Loop Detector Wire and Lead-in Cable STH 36 & STH 20	EACH	1.000	1.000
0038	204.9060.S	Removing (item description) 08. Luminaires	EACH	48.000	48.000
0040	205.0100	Excavation Common	CY	2,194.000	2,194.000
0042	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	725.000	725.000
0044	213.0100	Finishing Roadway (project) 01. 3180-00-76	EACH	1.000	1.000
0046	305.0110	Base Aggregate Dense 3/4-Inch	TON	6,447.000	6,447.000
0048	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	5,607.000	5,607.000
0050	305.0500	Shaping Shoulders	STA	1,523.000	1,523.000
0052	310.0110	Base Aggregate Open-Graded	TON	15.000	15.000
0054	311.0110	Breaker Run	TON	180.000	180.000
0056	390.0201	Base Patching Asphaltic	TON	800.000	800.000
0058	390.0303	Base Patching Concrete	SY	1,606.000	1,606.000
0060	390.0403	Base Patching Concrete Shes	SY	200.000	200.000
0062	416.0610	Drilled Tie Bars	EACH	436.000	436.000
0064	416.0620	Drilled Dowel Bars	EACH	2,094.000	2,094.000
0066	450.4000	HMA Cold Weather Paving	TON	3,125.000	3,125.000
0068	455.0605	Tack Coat	GAL	35,411.000	35,411.000
0070	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0072	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	4.000	4.000
0074	460.2000	Incentive Density HMA Pavement	DOL	1,900.000	1,900.000
0076	460.2005	Incentive Density PWL HMA Pavement	DOL	32,870.000	32,870.000
0078	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	40,740.000	40,740.000
0080	460.2010	Incentive Air Voids HMA Pavement	DOL	51,460.000	51,460.000
0082	460.6223	HMA Pavement 3 MT 58-28 S	TON	17,689.000	17,689.000
0084	460.6224	HMA Pavement 4 MT 58-28 S	TON	36,794.000	36,794.000
0086	465.0105	Asphaltic Surface	TON	166.000	166.000
0088	465.0110	Asphaltic Surface Patching	TON	1,500.000	1,500.000
0090	465.0125	Asphaltic Surface Temporary	TON	1,617.000	1,617.000
0092	465.0305	Asphaltic Surface Safety Islands	TON	15.000	15.000

3180-00-76

Line	Item	Item Description	Unit	Total	Qty
0094	465.0315	Asphaltic Flumes	SY	24.000	24.000
0096	465.0400	Asphaltic Shoulder Rumble Strips	LF	145,034.000	145,034.000
0098	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0100	520.8700	Cleaning Culvert Pipes	EACH	98.000	98.000
0102	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	2.000	2.000
0104	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0106	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0108	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	40.000	40.000
0110	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	30.000	30.000
0112	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	822.000	822.000
0114	601.0600	Concrete Curb Pedestrian	LF	511.000	511.000
0116	602.0410	Concrete Sidewalk 5-Inch	SF	4,556.000	4,556.000
0118	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	390.000	390.000
0120	603.1336	Concrete Barrier Type S36B	LF	31.300	31.300
0122	603.8000	Concrete Barrier Temporary Precast Delivered	LF	100.000	100.000
0124	603.8125	Concrete Barrier Temporary Precast Installed	LF	100.000	100.000
0126	606.0200	Riprap Medium	CY	1.000	1.000
0128	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	38.000	38.000
0130	611.0612	Inlet Covers Type C	EACH	2.000	2.000
0132	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0134	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000
0136	611.8115	Adjusting Inlet Covers	EACH	5.000	5.000
0138	612.0106	Pipe Underdrain 6-Inch	LF	100.000	100.000
0140	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	50.000	50.000
0142	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	17.000	17.000
0144	614.0397	Guardrail Mow Strip Emulsified Asphalt	SY	3,345.000	3,345.000
0146	614.2300	MGS Guardrail 3	LF	2,512.500	2,512.500
0148	614.2500	MGS Thrie Beam Transition	LF	87.000	87.000
0150	614.2610	MGS Guardrail Terminal EAT	EACH	10.000	10.000
0152	614.2620	MGS Guardrail Terminal Type 2	EACH	7.000	7.000
0154	616.0700.S	Fence Safety	LF	100.000	100.000
0156	618.0100	Maintenance And Repair of Haul Roads (project) 01. 3180-00-76	EACH	1.000	1.000
0158	619.1000	Mobilization	EACH	1.000	1.000
0160	624.0100	Water	MGAL	226.000	226.000
0162	625.0100	Topsoil	SY	27,035.000	27,035.000
0164	627.0200	Mulching	SY	2,163.000	2,163.000
0166	628.1504	Silt Fence	LF	3,010.000	3,010.000
0168	628.1520	Silt Fence Maintenance	LF	3,010.000	3,010.000
0170	628.1905	Mobilizations Erosion Control	EACH	24.000	24.000
0172	628.1910	Mobilizations Emergency Erosion Control	EACH	12.000	12.000
0174	628.2008	Erosion Mat Urban Class I Type B	SY	27,035.000	27,035.000
0176	628.6005	Turbidity Barriers	SY	1,848.000	1,848.000
0178	628.7005	Inlet Protection Type A	EACH	56.000	56.000
0180	628.7015	Inlet Protection Type C	EACH	4.000	4.000
0182	628.7020	Inlet Protection Type D	EACH	111.000	111.000
0184	628.7504	Temporary Ditch Checks	LF	2,306.000	2,306.000
0186	628.7555	Culvert Pipe Checks	EACH	189.000	189.000
0188	628.7570	Rock Bags	EACH	360.000	360.000
0190	629.0210	Fertilizer Type B	CWT	9.000	9.000

3180-00-76

Line	Item	Item Description	Unit	Total	Qty
0192	630.0130	Seeding Mixture No. 30	LB	244.000	244.000
0194	630.0160	Seeding Mixture No. 60	LB	117.000	117.000
0196	630.0170	Seeding Mixture No. 70	LB	23.000	23.000
0198	630.0200	Seeding Temporary	LB	18.000	18.000
0200	630.0400	Seeding Nurse Crop	LB	41.000	41.000
0202	630.0500	Seed Water	MGAL	617.000	617.000
0204	633.0500	Delineator Reflectors	EACH	3.000	3.000
0206	633.1000	Delineators Barrier Wall	EACH	3.000	3.000
0208	633.5200	Markers Culvert End	EACH	17.000	17.000
0210	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	35.000	35.000
0212	635.0300	Sign Supports Replacing Base Connection Bolts	EACH	6.000	6.000
0214	637.1220	Signs Type I Reflective SH	SF	1,326.500	1,326.500
0216	637.2210	Signs Type II Reflective H	SF	39.000	39.000
0218	638.2102	Moving Signs Type II	EACH	30.000	30.000
0220	638.2601	Removing Signs Type I	EACH	8.000	8.000
0222	638.3000	Removing Small Sign Supports	EACH	11.000	11.000
0224	642.5401	Field Office Type D	EACH	1.000	1.000
0226	643.0300	Traffic Control Drums	DAY	75,631.000	75,631.000
0228	643.0410	Traffic Control Barricades Type II	DAY	45.000	45.000
0230	643.0420	Traffic Control Barricades Type III	DAY	7,607.000	7,607.000
0232	643.0705	Traffic Control Warning Lights Type A	DAY	15,209.000	15,209.000
0234	643.0715	Traffic Control Warning Lights Type C	DAY	18,131.000	18,131.000
0236	643.0800	Traffic Control Arrow Boards	DAY	669.000	669.000
0238	643.0900	Traffic Control Signs	DAY	20,738.000	20,738.000
0240	643.0910	Traffic Control Covering Signs Type I	EACH	4.000	4.000
0242	643.1050	Traffic Control Signs PCMS	DAY	124.000	124.000
0244	643.1070	Traffic Control Cones 42-Inch	DAY	176,633.000	176,633.000
0246	643.5000	Traffic Control	EACH	1.000	1.000
0248	645.0111	Geotextile Type DF Schedule A	SY	70.000	70.000
0250	646.1020	Marking Line Epoxy 4-Inch	LF	174,317.000	174,317.000
0252	646.1545	Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	LF	23,757.000	23,757.000
0254	646.3020	Marking Line Epoxy 8-Inch	LF	3,305.000	3,305.000
0256	646.3545	Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	LF	18,382.000	18,382.000
0258	646.5020	Marking Arrow Epoxy	EACH	56.000	56.000
0260	646.5120	Marking Word Epoxy	EACH	19.000	19.000
0262	646.5520	Marking Outfall Epoxy	EACH	69.000	69.000
0264	646.6120	Marking Stop Line Epoxy 18-Inch	LF	744.000	744.000
0266	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	254.000	254.000
0268	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	61,430.000	61,430.000
0270	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	7,714.000	7,714.000
0272	646.7120	Marking Diagonal Epoxy 12-Inch	LF	1,567.000	1,567.000
0274	646.7220	Marking Chevron Epoxy 24-Inch	LF	209.000	209.000
0276	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	442.000	442.000
0278	646.8120	Marking Curb Epoxy	LF	112.000	112.000
0280	646.8220	Marking Island Nose Epoxy	EACH	25.000	25.000
0282	646.9000	Marking Removal Line 4-Inch	LF	83,615.000	83,615.000
0284	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	8,985.000	8,985.000
0286	646.9055	Marking Removal Line Grooved Contrast Permanent Tape 4-Inch	LF	820.000	820.000
0288	646.9100	Marking Removal Line 8-Inch	LF	8,025.000	8,025.000

3180-00-76

Line	Item	Item Description	Unit	Total	Qty
0290	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	35.000	35.000
0292	646.9155	Marking Removal Line Grooved Contrast Permanent Tape 8-Inch	LF	85.000	85.000
0294	646.9200	Marking Removal Line Wide	LF	225.000	225.000
0296	646.9300	Marking Removal Special Marking	EACH	28.000	28.000
0298	649.0105	Temporary Marking Line Paint 4-Inch	LF	187,350.000	187,350.000
0300	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	191,545.000	191,545.000
0302	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	5,050.000	5,050.000
0304	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	610.000	610.000
0306	650.4000	Construction Staking Storm Sewer	EACH	2.000	2.000
0308	650.4500	Construction Staking Subgrade	LF	4,473.000	4,473.000
0310	650.5000	Construction Staking Base	LF	4,473.000	4,473.000
0312	650.8000	Construction Staking Resurfacing Reference	LF	85,846.000	85,846.000
0314	650.8500	Construction Staking Electrical Installations (project) 01. 3180-00-76	LS	1.000	1.000
0316	650.9000	Construction Staking Curb Ramps	EACH	34.000	34.000
0318	650.9910	Construction Staking Supplemental Control (project) 01. 3180-00-76	LS	1.000	1.000
0320	650.9920	Construction Staking Slope Stakes	LF	4,473.000	4,473.000
0322	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	575.000	575.000
0324	652.0700.S	Install Conduit into Existing Item	EACH	3.000	3.000
0326	652.0800	Conduit Loop Detector	LF	6,064.000	6,064.000
0328	653.0135	Pull Boxes Steel 24x36-Inch	EACH	14.000	14.000
0330	653.0905	Removing Pull Boxes	EACH	14.000	14.000
0332	654.0101	Concrete Bases Type 1	EACH	3.000	3.000
0334	655.0240	Cable Traffic Signal 7-14 AWG	LF	1,141.000	1,141.000
0336	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	450.000	450.000
0338	655.0700	Loop Detector Lead In Cable	LF	25,312.000	25,312.000
0340	655.0800	Loop Detector Wire	LF	23,556.000	23,556.000
0342	655.0900	Traffic Signal EVP Detector Cable	LF	4,225.000	4,225.000
0344	657.0100	Pedestal Bases	EACH	3.000	3.000
0346	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	3.000	3.000
0348	658.0500	Pedestrian Push Buttons	EACH	3.000	3.000
0350	659.1125	Luminaires Utility LED C	EACH	48.000	48.000
0352	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	48.000	48.000
0354	690.0150	Sawing Asphalt	LF	2,620.000	2,620.000
0356	690.0250	Sawing Concrete	LF	6,897.000	6,897.000
0358	740.0440	Incentive IRI Ride	DOL	61,730.000	61,730.000
0360	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	3,000.000	3,000.000
0362	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	7,200.000	7,200.000
0364	SPV.0035	Special 01. Backfill Slurry	CY	45.000	45.000
0366	SPV.0060	Special 01. Cleaning Inlets	EACH	10.000	10.000
0368	SPV.0060	Special 02. Adjusting Pipe Underdrain Outfalls	EACH	15.000	15.000
0370	SPV.0060	Special 03. Transport and Install State Furnished EVP Detector Heads STH 36 & STH 83	EACH	1.000	1.000
0372	SPV.0060	Special 04. Transport and Install State Furnished EVP Detector Heads STH 36 & STH 11	EACH	1.000	1.000
0374	SPV.0060	Special 05. Transport and Install State Furnished EVP Detector Heads STH 36 & CTH D	EACH	1.000	1.000
0376	SPV.0060	Special 20. Sanitary Manhole Frames and Grates	EACH	2.000	2.000
0378	SPV.0060	Special 21. Sanitary Manhole Chimney Seals	EACH	2.000	2.000
0380	SPV.0060	Special 22. Sanitary Manhole Exterior Joint Protection	EACH	2.000	2.000
0382	SPV.0090	Special 01. Ditching and Shaping	LF	8,327.000	8,327.000

3180-00-76

Line	Item	Item Description	Unit	Total	Qty
0384	SPV.0090	Special 02. Fence Chain Link 4.5-FT	LF	50.000	50.000
0386	SPV.0090	Special 03. Fence Chain Link Salvaged 4.5-FT	LF	475.000	475.000
0388	SPV.0180	Special 01. Fence Based Clearing	SY	6,120.000	6,120.000
0390	SPV.0195	Special 01. Removing Distressed Pavement Milling	TON	1,440.000	1,440.000
0392	SPV.0200	Special 01. Sanitary Manhole Rehabilitation	VF	29.100	29.100

3

CLEARING AND GRUBBING

STATION	TO	STATION	201.0110 CLEARING SY	201.0210 GRUBBING SY
BURLINGTON BYPASS				
1119'B'+00	-	1146'B'+50	46	46
1146'B'+50	-	1178'B'+00	56	56
1178'B'+00	-	1209'B'+50	--	--
1209'B'+50	-	1241'B'+00	--	--
1241'B'+50	-	1272'B'+50	--	--
1272'B'+50	-	1304'B'+00	--	--
1304'B'+00	-	1335'B'+50	218	218
1335'B'+50	-	1367'B'+00	--	--
1367'B'+00	-	1398'B'+50	385	385
1398'B'+50	-	1431'B'+00	340	340
SUBTOTAL			**1045**	**1045**
STH 36				
229+02	-	259+50	42	42
259+50	-	291+00	39	39
291+00	-	322+50	83	83
322+50	-	351+75	--	--
SUBTOTAL			**164**	**164**
PROJECT TOTAL			**1209**	**1209**

REMOVING ASPHALTIC SURFACE

STAGE	204.0110 * REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0125 REMOVING ASPHALTIC SURFACE MILLING TON
BYPASS			
1	0	0	1144
2	16342	0	8309
3	0	0	13194
4	0	0	0
BYPASS SUBTOTAL	**16342**	**0**	**22647**
STH 36			
1	0	0	401
2	5605	473	8854
3	0	582	9488
4	0	0	0
STH 36 SUBTOTAL	**5605**	**1055**	**18743**
PROJECT TOTALS	**21947**	**1055**	**41390**

* ADDITIONAL QUANTITIES ELSEWHERE

REMOVING GUARDRAIL

STATION	TO	STATION	204.0165 REMOVING GUARDRAIL LF	SPV.0035.01 BACKFILL SLURRY CY	COMMENTS
BURLINGTON BYPASS					
1119'B'+00	-	1146'B'+50	233	5	BACKFILL SLURRY TO FILL GUARDRAIL POST HOLES.
1146'B'+50	-	1178'B'+00	716	16	BACKFILL SLURRY TO FILL GUARDRAIL POST HOLES.
1178'B'+00	-	1209'B'+50	--	--	--
1209'B'+50	-	1241'B'+00	--	--	--
1241'B'+50	-	1272'B'+50	--	--	--
1272'B'+50	-	1304'B'+00	--	--	--
1304'B'+00	-	1335'B'+50	370	8	BACKFILL SLURRY TO FILL GUARDRAIL POST HOLES.
1335'B'+50	-	1367'B'+00	--	--	--
1367'B'+00	-	1398'B'+50	--	--	--
1398'B'+50	-	1431'B'+00	813	16	BACKFILL SLURRY TO FILL GUARDRAIL POST HOLES.
PROJECT TOTAL			**2132**	**45**	

3

REMOVING CURB & GUTTER

STATION	TO	STATION	* 204.0150 REMOVING CURB & GUTTER LF	COMMENTS
BURLINGTON BYPASS				
1129'B'+05	-	1183'B'+83	180	--
UNDISTRUBUTED			100	DETERMINED BY ENGINEER IN THE FIELD
PROJECT TOTAL			**280**	

*ADDITIONAL QUANTITIES ELSEWHERE

STORM SEWER/DRAINAGE REMOVALS

STATION	OFFSET	204.0210 REMOVING MANHOLES EACH	204.9060.S.01 REMOVING APRON ENDWALLS EACH	204.9060.S.02 REMOVING INLET COVERS EACH	COMMENT
287+01	81' LT	-	1	-	24" CONCRETE
296+54	102' LT	-	1	-	24" STEEL
297+68	102' LT	-	1	-	24" STEEL
343+88	115' RT	-	1	-	18" CONCRETE
344+88	11' LT	1	-	1	-
	TOTALS	**1**	**4**	**1**	

STORM SEWER PIPE REMOVALS

STATION	TO	STATION	OFFSET	204.0245.01 REMOVING STORM SEWER 12-INCH LF
344+88	-	344+93	LT	6
			TOTALS	**6**

CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVAL AND REPLACEMENT ITEMS FOR LOOP DETECTOR INSTALLATION

LOCATION	* 204.0110 REMOVING ASPHALTIC SURFACE SY	* 204.0150 REMOVING CURB & GUTTER LF	* 204.0155 REMOVING CONCRETE SIDEWALK SY	* 390.0201 BASE PATCHING ASPHALTIC TON	* 390.0303 BASE PATCHING CONCRETE SY	* 416.0610 DRILLED TIE BARS EACH	* 416.0620 DRILLED DOWEL BARS EACH	* 465.0305 ASPHALTIC SURFACE SAFETY ISLANDS TON	* 601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	* 601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	* 601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	* 602.0410 CONCRETE SIDEWALK 5-INCH SF	* 690.0150 SAWING ASPHALT LF	* 690.0250 SAWING CONCRETE LF
BURLINGTON BYPASS														
STH 83 (PINE STREET) INTERSECTION	--	60	110	240	--	--	--	--	--	--	60	984	505	255
STH 11 (DURAND AVENUE) INTERSECTION	--	60	34	220	--	--	--	--	--	--	60	300	735	160
SUBTOTAL	**0**	**120**	**144**	**460**	**0**	**0**	**0**	**0**	**0**	**0**	**120**	**1284**	**1240**	**415**
STH 36														
CTH D (WASHINGTON AVENUE) INTERSECTION	24	40	--	160	64	6	64	8	20	--	20	--	610	115
STH 20 (BECK DRIVE) INTERSECTION	12	40	6	180	72	7	64	4	--	10	30	50	580	140
SUBTOTAL	**36**	**80**	**6**	**340**	**136**	**13**	**128**	**12**	**20**	**10**	**50**	**50**	**1190**	**255**
PROJECT TOTAL	**36**	**200**	**150**	**800**	**136**	**13**	**128**	**12**	**20**	**10**	**170**	**1334**	**2430**	**670**

* ADDITIONAL QUANTITIES ELSWHERE

DIVISION	FROM/TO STATION	205.0100 COMMON EXCAVATION (1) CUT (2) CY	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3) CY	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4) CY	AVAILABLE MATERIAL (5) CY	UNEXPANDED FILL CY	EXPANDED FILL (13) FACTOR 1.25 CY	MASS ORDINATE +/- (14) CY	WASTE (15) CY	311.0110 BREAKER RUN (16) TON	COMMENT
DIVISION 1											
114296 TO 114683	1142+96/1146+83	152	0	0	152	36	45	107	107	0	
115118 TO 115899	1151+18/1158+99	382	0	0	382	37	46	336	336	0	
116977 TO 117777	1169+77/1177+77	387	0	0	387	37	46	341	341	0	
132882 TO 133669	1328+82/1336+69	292	0	0	292	73	91	201	201	0	
140463 TO 141550	1404+62/1415+50	731	0	0	731	112	140	591	591	0	
UNDISTRIBUTED	323+00/351+75	150	100	0	150	0	0	150	250	180	TO BE DETERMINED BY ENGINEER
DIVISION 1 SUBTOTAL		2,094	100	0	2,094	295	369	1,725	1,825	180	
GRAND TOTAL		2,094	100	0	2,094	295	369	1,725	1,825	180	
	TOTAL COMMON EXC	2,194									

NOTES:
(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(13) EXPANDED FILL FACTOR = 1.25
(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.
(16)BACKFILL EBS EXCAVATION WITH BREAKER RUN. ASSUMED DEPTH = 16-INCHES. CALCULATED AT 1.8 TON/CY.

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

FINISHING ROADWAY

LOCATION	213.0100 FINISHING ROADWAY (01. 3180-00-76) LS
PROJECT	1
PROJECT TOTAL	**1**

3

SHOULDERS & BASE AGGREGATE DENSE

STATION	TO	STATION	LOCATION	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 * BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0500 SHAPING SHOULDERS STA	624.0100 WATER MGAL
STAGE 2 - BYPASS								
1124'B'+40	-	1132'B'+50	RT MEDIAN	-	9	-	3	1
1124'B'+30	-	1132'B'+50	LT MEDIAN	3	5	-	3	1
1142'B'+93	-	1198'B'+00	RT MEDIAN	56	315	1128	55	22
1142'B'+93	-	1198'B'+00	LT MEDIAN	53	369	1578	55	30
1198'B'+00	-	1279'B'+23	RT MEDIAN	74	239	-	74	4
1198'B'+00	-	1279'B'+23	LT MEDIAN	75	245	-	75	4
1279'B'+23	-	1344'B'+00	RT MEDIAN	59	259	564	59	13
1279'B'+23	-	1344'B'+00	LT MEDIAN	58	255	564	58	13
1344'B'+00	-	1389'B'+69	RT MEDIAN	43	158	-	46	3
1344'B'+00	-	1389'B'+69	LT MEDIAN	46	148	-	46	3
1393'B'+06	-	1429'B'+43	RT MEDIAN	25	147	-	34	3
1393'B'+06	-	1429'B'+43	LT MEDIAN	27	270	1183	37	22
UNDISTRIBUTED				-	242	502	-	12
DUST CONTROL				-	-	-	-	14
STAGE 2 - BYPASS SUBTOTAL				519	2661	5519	545	145
STAGE 2 - STH 36								
230+53	-	276+39	RT MEDIAN	38	147	-	46	3
230+53	-	276+39	LT MEDIAN	38	221	-	45	4
276+39	-	320+54	RT MEDIAN	30	120	-	34	2
276+39	-	320+54	LT MEDIAN	29	164	-	33	3
321+74	-	351+75	RT MEDIAN	18	65	-	22	1
321+74	-	352+25	LT MEDIAN	25	123	-	25	2
UNDISTRIBUTED				-	84	-	-	2
DUST CONTROL				-	-	-	-	2
STAGE 2 - STH 36 SUBTOTAL				178	924	0	205	19
STAGE 2 SUBTOTAL				697	3585	5519	750	164

* ADDITIONAL QUANTITIES ELSEWHERE

SHOULDERS & BASE AGGREGATE DENSE

STATION	TO	STATION	LOCATION	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 * BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0500 SHAPING SHOULDERS STA	624.0100 WATER MGAL
STAGE 3 - BYPASS								
1124'B'+40	-	1132'B'+50	RT OUTSIDE	-	27	-	6	1
1124'B'+30	-	1132'B'+50	LT OUTSIDE	-	20	-	4	1
1142'B'+93	-	1198'B'+00	RT OUTSIDE	-	143	-	42	3
1142'B'+93	-	1198'B'+00	LT OUTSIDE	-	168	-	47	3
1198'B'+00	-	1279'B'+23	RT OUTSIDE	-	268	-	81	5
1198'B'+00	-	1279'B'+23	LT OUTSIDE	-	262	-	80	4
1279'B'+23	-	1344'B'+00	RT OUTSIDE	-	209	-	65	4
1279'B'+23	-	1344'B'+00	LT OUTSIDE	-	215	-	65	4
1344'B'+00	-	1389'B'+69	RT OUTSIDE	-	138	-	40	3
1344'B'+00	-	1389'B'+69	LT OUTSIDE	-	151	-	41	3
1393'B'+06	-	1429'B'+43	RT OUTSIDE	-	106	-	31	2
1393'B'+06	-	1429'B'+43	LT OUTSIDE	-	145	-	36	3
UNDISTRIBUTED				-	186	-	-	3
DUST CONTROL				-	-	-	-	4
STAGE 3 - BYPASS SUBTOTAL				0	2038	0	538	43
STAGE 3 - STH 36								
230+53	-	276+39	RT OUTSIDE	12	149	-	45	3
230+53	-	276+39	LT OUTSIDE	9	141	-	44	3
276+39	-	320+54	RT OUTSIDE	2	148	-	43	3
276+39	-	320+54	LT OUTSIDE	5	119	-	43	2
321+74	-	351+75	RT OUTSIDE	-	92	-	29	2
321+74	-	352+25	LT OUTSIDE	-	91	-	31	2
UNDISTRIBUTED				-	84	-	-	2
DUST CONTROL				-	-	-	-	2
STAGE 3 - STH 36 SUBTOTAL				28	824	0	235	19
STAGE 3 SUBTOTAL				28	2862	0	773	62
TOTAL				725	6447	5519	1523	226

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

CONCRETE BASE PATCHING ITEMS

STATION	TO	STATION	* 390.0303 BASE PATCHING CONCRETE SY	390.0403 BASE PATCHING CONCRETE SHES SY
STH 36				
229+02	-	259+50	176	--
259+50	-	291+00	452	8
291+00	-	322+50	212	17
322+50	-	351+75	556	157
	UNDISTRUBUTED		74	18
PROJECT TOTAL			**1470**	**200**

* ADDITIONAL QUANTITIES ELSWHERE

HMA PAVEMENT/ASPHALTIC SURFACE

STAGE	450.4000 HMA COLD WEATHER PAVING TON	* 455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF
BYPASS							
1	0	844	0	0	0	1198	0
2	0	9208	2894	10873	68	0	0
3	0	10467	0	14981	12	0	52662
4	0	0	0	0	0	0	55948
BYPASS SUBTOTAL	**0**	**20519**	**2894**	**25854**	**80**	**1198**	**108610**
STH 36							
1	0	302	0	0	0	419	0
2	0	7104	8190	5056	68	0	0
3	3125	6886	6605	5884	18	0	19219
4	0	0	0	0	0	0	17205
STH 36 SUBTOTAL	**3125**	**14292**	**14795**	**10940**	**86**	**419**	**36424**
PROJECT TOTALS	**3125**	**34811**	**17689**	**36794**	**166**	**1617**	**145034**

* ADDITIONAL QUANTITIES ELSEWHERE

DRILLED BAR ITEMS

STATION	TO	STATION	* 416.0610 DRILLED TIE BAR EACH	* 416.0620 DRILLED DOWEL BARS EACH
STH 36				
229+02	-	259+50	22	352
259+50	-	291+00	130	320
291+00	-	322+50	66	512
322+50	-	351+75	194	752
	UNDISTRIBUTED		11	30
PROJECT TOTAL			**423**	**1966**

* ADDITIONAL QUANTITIES ELSWHERE

PWL TEST STRIPS

MIX		PAVED ON	460.0105.S HMA (PWL) TEST STRIP VOLUMETRICS EACH	460.0110.S HMA (PWL) TEST STRIP DENSITY EACH
3 MT 58-28 S	-	EXIST. CONCRETE BASE	1	1
3 MT 58-28 S	-	MILLED EXISTING HMA	-	1
4 MT 58-28 S	-	MILLED EXISTING HMA	1	1
4 MT 58-28 S	-	NEW HMA 3 MT 58-28 S	-	1
PROJECT TOTAL			**2**	**4**

ASPHALT REPAIR ITEMS

LOCATION	465.0110 ASPHALTIC SURFACE PATCHING TON	* 455.0605 TACK COAT GAL	SPV.0195.01 REMOVING DISTRESSED PAVEMENT MILLING TON
UNDISTRUBUTED	1500	600	1440
PROJECT TOTAL	**1500**	**600**	**1440**

* ADDITIONAL QUANTITIES ELSWHERE

CATEGORY 0010 UNLESS OTHERWISE NOTED

PWL MIXTURE USE TABLE

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

Location	Station	Mixture Use	Underlying Surface	Bid Item	Tons	Thickness	Quality Management Program to be used for:	
							Mixture Acceptance	Density Acceptance
NB Bypass								
Bypass NB Mainline	1124'B'+40 to 1428'B'+03	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	7787	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Bypass NB Shoulders (Outside)	1124'B'+40 to 1428'B'+03	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	2380	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Bypass NB Shoulders (Inside) *Exception areas with no lower layer 3MT paving	1130'B'+05 to 1132'B'+37; 1386'B'+96 to 1389'B'+43; 1403'B'+62 to 1411'B'+98; 1426'B'+46 to 1428'B'+03	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	221	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Bypass NB Shoulders (Inside)	1124'B'+40 to 1428'B'+03	Upper Layer	3MT 58-28 S	4MT 58-28 S	1153	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Bypass NB Shoulders (Inside)	1124'B'+40 to 1428'B'+03	Lower Layer	Base Aggregate	3MT 58-28 S	1483	2 1/4-Inch	QMP as per SS 460	Incentive Density HMA Pavement 460.2000
Bypass NB Turn Lanes and Median Openings	1124'B'+40 to 1428'B'+03	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	146	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Bypass NB Ramps with Shoulder	1415'B'+39 to 1428'B'+03	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	276	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
SB Bypass								
Bypass SB Mainline	1124'B'+40 to 1428'B'+03	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	7767	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Bypass SB Shoulders (Outside)	1124'B'+40 to 1428'B'+03	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	2154	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Bypass SB Shoulders (Inside) *Exception areas with no lower layer 3MT paving	1142'B'+96 to 1145'B'+30; 1393'B'+45 to 1396'B'+38; 1405'B'+65 to 1413'B'+82	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	222	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Bypass SB Shoulders (Inside)	1124'B'+30 to 1428'B'+43	Upper Layer	3MT 58-28 S	4MT 58-28 S	1149	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Bypass SB Shoulders (Inside)	1124'B'+30 to 1429'B'+43	Lower Layer	Base Aggregate	3MT 58-28 S	1477	2 1/4-Inch	QMP as per SS 460	Incentive Density HMA Pavement 460.2000
Bypass SB Turn Lanes and Median Openings	1124'B'+30 to 1429'B'+43	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	208	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Bypass SB Ramps with Shoulder	1381'B'+20 to 1398'B'+27; 1408'B'+95 to 1429'B'+43	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	649	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Bypass Sideroads								
S. Pine St/STH 83	353+29 to 354+17; 350+92 to 351+73	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	312	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 142 Ramps	Various Locations	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	490	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 11	126+55 to 127+56; 129+09 to 130+10	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	381	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
CTH A Ramps	Various Locations	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	539	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Maintenance Crossovers	1197'B'+98; 1343'B'+92; 1401'B'+91	Upper Layer	Milled Existing HMA Surface	Asphaltic Surface	68	1 3/4-Inch	QMP as per SS 465	Ordinary compaction; No density testing

PWL MIXTURE USE TABLE (CONTINUED)

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

Location	Station	Mixture Use	Underlying Surface	Bid Item	Tons	Thickness	Quality Management Program to be used for:	
							Mixture Acceptance	Density Acceptance
NB STH 36								
STH 36 NB Mainline	230+61 to 351+75	Upper Layer	3MT 58-28 S	4MT 58-28 S	3182	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
STH 36 NB Mainline	230+61 to 351+75	Lower Layer	Milled Existing HMA Surface	3MT 58-28 S	5909	3 1/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
STH 36 NB Shoulders (Outside)	230+53 to 351+75	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	821	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 NB Shoulders (Inside) *Exception areas with no lower layer 3MT paving	230+61 to 231+68; 316+85 to 320+36; 322+83 to 326+87	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	52	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 NB Shoulders (Inside), Left Turn Lanes, & Intersections	230+61 to 351+75	Upper Layer	3MT 58-28 S	4MT 58-28 S	842	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 NB Shoulders (Inside), Left Turn Lanes, & Intersections	230+61 to 351+75	Lower Layer	Base Aggregate	3MT 58-28 S	1563	3 1/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 NB Right Turn Lane	234+64 to 241+18; 271+51 to 278+74; 292+10 to 299+37; 339+98 to 346+58	Upper Layer	3MT 58-28 S	4MT 58-28 S	325	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 NB Right Turn Lane	234+64 to 241+18; 271+51 to 278+74; 292+10 to 299+37; 339+98 to 346+58	Lower Layer	Milled Existing HMA Surface	3MT 58-28 S	604	3 1/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
SB STH 36								
STH 36 SB Mainline	231+12 to 351+75	Upper Layer	3MT 58-28 S	4MT 58-28 S	3183	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
STH 36 SB Mainline	231+12 to 295+93	Lower Layer	Milled Existing Concrete Pavement	3MT 58-28 S	2984	2 1/4 to 3 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005 **Do not construct test strip in this location**
STH 36 SB Mainline	295+93 to 343+50	Lower Layer	Milled Existing Concrete Pavement	3MT 58-28 S	1552	2 1/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
STH 36 SB Mainline	343+50 to 351+75	Lower Layer	Milled Existing Concrete Pavement	3MT 58-28 S	504	2 1/4 to 5 1/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005 **Do not construct test strip in this location**
STH 36 SB Shoulders (Outside)	231+05 to 351+75	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	828	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 SB Shoulders (Inside) *Exception areas with no lower layer 3MT paving	231+04 to 233+66	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	16	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 SB Shoulders (Inside), Left Turn Lanes, & Intersections	231+12 to 351+75	Upper Layer	3MT 58-28 S	4MT 58-28 S	861	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 SB Shoulders (Inside), Left Turn Lanes, & Intersections	231+12 to 351+75	Lower Layer	Base Aggregate	3MT 58-28 S	1108	2 1/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 SB Right Turn Lane	238+52 to 245+15; 274+88 to 281+16; 295+32 to 301+89; 343+18 to 350+15	Upper Layer	3MT 58-28 S	4MT 58-28 S	309	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 SB Right Turn Lane	238+52 to 245+15; 274+88 to 281+16; 295+32 to 301+89; 343+18 to 350+15	Lower Layer	Milled Existing HMA Surface	3MT 58-28 S	397	2 1/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 Intersection at STH 20	344+03 to 346+03	Upper Layer	3MT 58-28 S	4MT 58-28 S	79	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 Intersection at STH 20	344+03 to 346+03	Lower Layer	Asphaltic Surface	3MT 58-28 S	102	2 1/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 36 Intersection at STH 20	344+03 to 346+03	Wedging	Existing Milled Surface	Asphaltic Surface	68	Varies	QMP as per SS 465	Ordinary compaction; No density testing
STH 36 Sideroads								
River Road	17+45 to 18+15; 19+48 to 20+54	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	96	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
CTH J	18+80 to 19+33; 20+57 to 21+09	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	68	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
CTH D	19+00 to 19+76; 21+00 to 21+91	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	115	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
STH 20	102+12 to 102+86; 404+35 to 405+28	Upper Layer	Milled Existing HMA Surface	4MT 58-28 S	124	1 3/4-Inch	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by the department; Not eligible for incentive.
Driveways	1427'B'+27 LT; 336+68 LT	Upper Layer	Milled Existing HMA Surface	Asphaltic Surface	30	1 3/4-Inch	QMP as per SS 465	Ordinary compaction; No density testing

3

ASPHALTIC FLUMES

STATION	LOCATION	465.0315 ASPHALTIC FLUMES SY
BURLINGTON BYPASS		
1271'B'+62	RT	4
1272'B'+71	LT	4
1285'B'+76	RT	4
1286'B'+84	LT	4
SUBTOTAL		**16**
STH 36		
302+00	RT	4
304+15	LT	4
SUBTOTAL		**8**
PROJECT TOTAL		**24**

APRON ENDWALLS

STATION	OFFSET	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH
287+01	81' LT	-	-	1
296+54	102' LT	1	-	-
297+68	102' LT	1	-	-
343+88	115' RT	-	1	-
	TOTALS	**2**	**1**	**1**

CLEANING CULVERT PIPES

STATION	TO	STATION	520.8700 CLEANING CULVERT PIPES EACH
BURLINGTON BYPASS			
1119'B'+00	-	1146'B'+50	10
1146'B'+50	-	1178'B'+00	7
1178'B'+00	-	1209'B'+50	4
1209'B'+50	-	1241'B'+00	1
1241'B'+50	-	1272'B'+50	3
1272'B'+50	-	1304'B'+00	12
1304'B'+00	-	1335'B'+50	9
1335'B'+50	-	1367'B'+00	12
1367'B'+00	-	1398'B'+50	7
1398'B'+50	-	1431'B'+00	10
SUBTOTAL			**75**
STH 36			
229+02	-	259+50	6
259+50	-	291+00	7
291+00	-	322+50	8
322+50	-	351+75	2
SUBTOTAL			**23**
PROJECT TOTAL			**98**

CLEANING INLETS

STATION	TO	STATION	SPV.0060.01 CLEANING INLETS EACH
BURLINGTON BYPASS			
1119'B'+00	-	1146'B'+50	4
1146'B'+50	-	1178'B'+00	1
1178'B'+00	-	1209'B'+50	--
1209'B'+50	-	1241'B'+00	1
1241'B'+50	-	1272'B'+50	--
1272'B'+50	-	1304'B'+00	1
1304'B'+00	-	1335'B'+50	1
1335'B'+50	-	1367'B'+00	--
1367'B'+00	-	1398'B'+50	2
1398'B'+50	-	1431'B'+00	--
SUBTOTAL			**10**
STH 36			
229+02	-	259+50	--
259+50	-	291+00	--
291+00	-	322+50	--
322+50	-	351+75	--
SUBTOTAL			**0**
PROJECT TOTAL			**10**

3

STORM SEWER

STATION	OFFSET	STRUCTURE NO.	FROM	TO	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH EACH	611.0612 INLET COVERS TYPE C EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	STRUCTURE RIM ELEVATION	STRUCTURE INVERT ELEVATION	STRUCTURE DEPTH FT	PIPE INLET ELEVATION	PIPE DISCHARGE ELEVATION	PIPE SLOPE FT/FT	COMMENTS
344+61	15' LT	2	-	-	-	-	1	1	-	1	782.81	779.85	2.04	-	-	-	2" ADJUSTMENT
-	-	-	2	1	-	32	-	-	-	-	-	-	-	779.85	779.69	0.005	-
344+92	15' LT	1	-	-	-	-	1	-	1	1	782.91	779.59	2.40	-	-	-	2" ADJUSTMENT
-	-	-	1	EXIST	1	6	-	-	-	-	-	-	-	779.59	EXIST	EXIST	CONNECT TO EXIST PIPE
				TOTALS	**1**	**38**	**2**	**1**	**1**	**2**							

NOTES: 1. STATIONS AND OFFSETS ARE TO CENTER OF MANHOLES.
2. STRUCTURE DEPTH = RIM ELEVATION - INVERT ELEVATION - CASTING/COVER THICKNESS - ADJUSTMENT RING DEPTH.

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

CONCRETE CURB & GUTTER ITEMS

STATION	TO	STATION	* 601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	* 601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	* 601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF
BURLINGTON BYPASS					
1119'B'+00	-	1146'B'+50	--	--	180
UNDISTRIBUTED			--	--	20
SUBTOTAL			**0**	**0**	**200**
STH 36					
UNDISTRIBUTED			20	20	20
SUBTOTAL			**20**	**20**	**20**
PROJECT TOTAL			**20**	**20**	**220**

*ADDITIONAL QUANTITIES ELSEWHERE

CURB RAMP ITEMS

	* 204.0110 REMOVING ASPHALTIC SURFACE SY	* 204.0150 REMOVING CURB & GUTTER LF	* 204.0155 REMOVING CONCRETE SIDEWALK SY	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 465.0305 ASPHALTIC SURFACE SAFETY ISLANDS TON	* 601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	* 602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	* 690.0150 SAWING ASPHALT LF	* 690.0250 SAWING CONCRETE LF
STH 83/PINE ST												
RAMP A	--	27	28	7	--	27	45	252	30	3	--	90
RAMP B	--	28	45	10	--	28	73	405	30	3	--	119
RAMP C	--	22	11	3	--	22	16	99	20	1	--	50
RAMP D	--	29	26	6	--	29	42	234	30	3	--	89
RAMP E	--	30	47	11	--	30	78	423	30	3	--	126
RAMP F	--	20	10	3	--	20	16	90	20	1	--	48
SUBTOTAL	**0**	**156**	**167**	**40**	**0**	**156**	**270**	**1503**	**160**	**14**	**0**	**522**
STH 11/CTH E												
RAMP G	--	34	23	6	--	34	35	207	30	3	--	87
RAMP H	--	34	29	7	--	34	45	261	20	3	--	97
RAMP I	--	26	11	3	--	26	16	99	30	1	--	54
RAMP J	--	36	23	6	--	36	37	207	30	3	--	91
RAMP K	--	38	28	7	--	38	46	252	20	3	--	102
RAMP L	--	24	11	3	--	24	16	99	30	1	--	52
SUBTOTAL	**0**	**192**	**125**	**32**	**0**	**192**	**195**	**1125**	**160**	**14**	**0**	**483**
STH 20/STH 83												
RAMP M	--	12	12	3	--	12	--	108	10	1	--	18
RAMP N	--	24	17	4	--	24	28	153	20	2	--	64
RAMP P	--	15	16	4	--	15	--	144	10	1	--	21
RAMP R	6	20	12	3	3	20	18	108	20	1	10	50
RAMP S	--	13	9	2	--	13	--	81	10	1	--	19
SUBTOTAL	**6**	**84**	**66**	**16**	**3**	**84**	**46**	**594**	**70**	**6**	**10**	**172**
PROJECT TOTAL	**6**	**432**	**358**	**88**	**3**	**432**	**511**	**3222**	**390**	**34**	**10**	**1177**

*ADDITIONAL QUANTITIES ELSEWHERE

CONCRETE BARRIER ITEMS

STATION	TO	STATION	603.1336 CONCRETE BARRIER TYPE S36B LF	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	633.0500 DELINEATORS REFLECTORS EACH	633.1000 DELINEATORS BARRIER WALL EACH
BURLINGTON BYPASS							
1398'B'+50	-	1431'B'+00	31.3	--	--	3	3
UNDISTRIBUTED			--	100	100	--	--
PROJECT TOTAL			**31.3**	**100**	**100**	**3**	**3**

ADJUST INLET COVERS

STATION	TO	STATION	611.8115 ADJUSTING INLET COVERS EACH
BURLINGTON BYPASS			
1272'B'+50	-	1304'B'+00	4
1398'B'+50	-	1431'B'+00	1
PROJECT TOTAL			**5**

NOTE: ADJUSTMENT IS FOR REPLACING EXISTING RINGS.

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

RIPRAP

LOCATION	606.0200 RIPRAP MEDIUM CY	COMMENTS
BULRINGTON BYPASS		
STA 1349'B'+00, LT & RT	1	PLACED IN ECO-PASSAGE APRON ENDWALLS AS DIRECTED BY ENGINEER AND DNR.
PROJECT TOTAL	**1**	

PIPE UNDERDRAIN

(1) LOCATION	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH (2) EACH	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY	SPV.0060.02 ADJUSTING PIPE UNDERDRAIN OUTFALLS (3) EACH
BYPASS	-	-	-	10	-	10
STH 36	-	-	-	5	-	5
SUBGRADE IMPROVEMENT	15	100	50	2	70	-
TOTALS	15	100	50	17	70	15

NOTES:
(1) SUBGRADE IMPROVEMENT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.
(2) ASSUMED 5% OF EXISTING APRON ENDWALLS NEED TO BE REPLACED.
(3) ASSUMED 5% OF EXISTING P.U. OUTFALLS NEED TO BE ADJUSTED.

MGS GUARDRAIL ITEMS

STATION	TO	STATION	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY	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
BURLINGTON BYPASS							
1119'B'+00	-	1146'B'+50	550	175	39.4	1	--
1146'B'+50	-	1178'B'+00	485	1025	--	4	4
1178'B'+00	-	1209'B'+50	--	--	--	2	--
1209'B'+50	-	1241'B'+00	--	--	--	--	--
1241'B'+50	-	1272'B'+50	--	--	--	--	--
1272'B'+50	-	1304'B'+00	--	--	--	--	--
1304'B'+00	-	1335'B'+50	245	525	--	2	2
1335'B'+50	-	1367'B'+00	--	--	--	--	--
1367'B'+00	-	1398'B'+50	395	--	--	--	--
1398'B'+50	-	1431'B'+00	1065	787.5	47.6	1	1
SUBTOTAL			**2740**	**2512.5**	**87.0**	**10**	**7**
STH 36							
229+02	-	259+50	220	--	--	--	--
259+50	-	291+00	--	--	--	--	--
291+00	-	322+50	250	--	--	--	--
322+50	-	351+75	135	--	--	--	--
SUBTOTAL			**605**	**0**	**0**	**0**	**0**
PROJECT TOTAL			**3345**	**2512.5**	**87.0**	**10**	**7**

FENCE SAFETY

LOCATION	616.0700.S FENCE SAFETY LF
PROJECT	100
PROJECT TOTAL	**100**

MAINTENANCE AND REPAIR OF HAUL ROADS

LOCATION	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS (01. 3180-00-76) EACH
PROJECT	1
PROJECT TOTAL	**1**

MOBILIZATION

LOCATION	619.1000 MOBILIZATION LS
PROJECT	1
PROJECT TOTAL	**1**

CATEGORY 0010 UNLESS OTHERWISE NOTED

EROSION CONTROL ITEMS

STATION	TO	STATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.6005 TURBIDITY BARRIERS SY	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH
BURLINGTON BY PASS											
1119'B'+00	-	1146'B'+50	210	210	190	2	--	31	135	10	30
1146'B'+50	-	1178'B'+00	--	--	--	2	1	5	165	11	--
1178'B'+00	-	1209'B'+50	90	90	--	2	--	--	75	--	15
1209'B'+50	-	1241'B'+00	--	--	--	2	--	--	--	--	--
1241'B'+50	-	1272'B'+50	--	--	--	2	--	--	90	3	--
1272'B'+50	-	1304'B'+00	--	--	--	2	--	30	210	6	--
1304'B'+00	-	1335'B'+50	875	875	780	4	--	--	210	34	105
1335'B'+50	-	1367'B'+00	690	690	420	6	--	6	165	22	60
1367'B'+00	-	1398'B'+50	--	--	--	4	--	7	225	16	--
1398'B'+50	-	1431'B'+00	120	120	--	4	--	1	150	24	15
UNDISTRIBUTED			500	500	348	8	1	20	356	32	60
SUBTOTAL			**2485**	**2485**	**1738**	**38**	**2**	**100**	**1781**	**158**	**285**
STH 36											
229+02	-	259+50	210	210	--	3	--	--	105	6	30
259+50	-	291+00	210	210	--	3	--	--	180	13	30
291+00	-	322+50	--	--	--	3	--	2	120	6	--
322+50	-	351+75	--	--	--	5	--	7	15	--	--
UNDISTRIBUTED			105	105	110	4	2	2	105	6	15
SUBTOTAL			**525**	**525**	**110**	**18**	**2**	**11**	**525**	**31**	**75**
PROJECT TOTAL			**3010**	**3010**	**1848**	**56**	**4**	**111**	**2306**	**189**	**360**

MOBILIZATIONS EROSION CONTROL & MOBILIZATIONS EMERGENCY EROSION CONTROL

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
BURLINGTON BY PASS	12	8
SUBTOTAL	**12**	**8**
STH 36	12	4
SUBTOTAL	**12**	**4**
PROJECT TOTAL	**24**	**12**

CATEGORY 0010 UNLESS OTHERWISE NOTED

TOPSOIL, MULCH, EMAT, SEEDING & FERTILIZER

STATION	TO	STATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO.30 LB	630.0160 SEEDING MIXTURE NO.60 LB	630.0170 SEEDING MIXTURE NO.70 LB	630.0200 SEEDING TEMPORARY LB	630.0400 SEEDING NURSE CROP LB	630.0500 SEED WATER MGAL
BURLINGTON BYPASS												
1119'B'+00	-	1146'B'+50	2439	--	2439	0.6	15	--	6	--	12	55
1146'B'+50	-	1178'B'+00	4359	--	4359	2.3	64	--	3	--	6	98
1178'B'+00	-	1209'B'+50	310	--	310	--	--	--	2	--	3	7
1209'B'+50	-	1241'B'+00	-	--	-	--	--	--	--	--	--	-
1241'B'+50	-	1272'B'+50	500	--	500	--	--	--	2	--	4	12
1272'B'+50	-	1304'B'+00	1252	--	1252	--	--	--	5	--	10	29
1304'B'+00	-	1335'B'+50	3486	--	3486	1.1	31	25	--	--	--	79
1335'B'+50	-	1367'B'+00	1754	--	1754	0.1	3	22	--	--	--	40
1367'B'+00	-	1398'B'+50	1613	--	1613	0.2	4	20	--	--	--	37
1398'B'+50	-	1431'B'+00	3265	--	3265	1.7	47	10	--	--	--	74
UNDISTRIBUTED			4745	1898	4745	1.5	41	20	5	15	6	108
SUBTOTAL			**23723**	**1898**	**23723**	**7.5**	**205**	**97**	**23**	**15**	**41**	**539**
STH 36												
229+02	-	259+50	553	--	553	0.3	7	3	--	--	--	13
259+50	-	291+00	1034	--	1034	0.5	12	6	--	--	--	24
291+00	-	322+50	902	--	902	0.4	12	4	--	--	--	21
322+50	-	351+75	160	--	160	--	--	3	--	--	--	4
UNDISTRIBUTED			663	265	663	0.3	8	4	--	3	--	16
SUBTOTAL			**3312**	**265**	**3312**	**1.5**	**39**	**20**	**0**	**3**	**0**	**78**
PROJECT TOTAL			**27035**	**2163**	**27035**	**9.0**	**244**	**117**	**23**	**18**	**41**	**617**

MARKERS CULVERT END

STATION	TO	STATION	633.5200 MARKERS CULVERT END EACH
BURLINGTON BYPASS			
1119'B'+00	-	1146'B'+50	3
1146'B'+50	-	1178'B'+00	--
1178'B'+00	-	1209'B'+50	--
1209'B'+50	-	1241'B'+00	1
1241'B'+50	-	1272'B'+50	--
1272'B'+50	-	1304'B'+00	--
1304'B'+00	-	1335'B'+50	--
1335'B'+50	-	1367'B'+00	--
1367'B'+00	-	1398'B'+50	2
1398'B'+50	-	1431'B'+00	1
SUBTOTAL			**7**
STH 36			
229+02	-	259+50	4
259+50	-	291+00	3
291+00	-	322+50	1
322+50	-	351+75	2
SUBTOTAL			**10**
PROJECT TOTAL			**17**

FIELD OFFICE TYPE D

LOCATION	642.5401 FIELD OFFICE TYPE D EACH
PROJECT	1
PROJECT TOTAL	**1**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	634.0618 POSTS WOOD 4"X 6"X18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLC SH [SF]	638.2601 REMOVING SIGNS TYPE I [EA]	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS [EA]
1	R6-2L	II	--	-- x --	--	1	1	1	--	SHEET 4 OF 41	-- x --	--	--	--
2	R6-2L	II	--	-- x --	--	1	1	1	--	SHEET 4 OF 41	-- x --	--	--	--
3	R6-2L	II	--	-- x --	--	1	1	1	--	SHEET 4 OF 41	-- x --	--	--	--
4	W5-52L	II	--	-- x --	--	1	1	1	--	SHEET 6 OF 41	-- x --	--	--	--
5	J2-1	II	--	-- x --	--	2	2	1	--	SHEET 6 OF 41	-- x --	--	--	--
6	R6-2L	II	--	-- x --	--	1	1	1	--	SHEET 16 OF 41	-- x --	--	--	--
7	R6-2L	II	--	-- x --	--	1	1	1	--	SHEET 16 OF 41	-- x --	--	--	--
8	R6-2L	II	--	-- x --	--	1	1	1	--	SHEET 16 OF 41	-- x --	--	--	--
9	R6-2L	II	--	-- x --	--	1	1	1	--	SHEET 16 OF 41	-- x --	--	--	--
10	E6-51	I	[36] [83] NORTH ROCHESTER WATERFORD [DA] [50 MPH]	-- x --	--	--	--	--	--	SHEET 25A OF 41 INSTALL ON S-51-14 I-BEAMS INCIDENTAL	14 x 12	168.00	1	--
11	E6-1	I	SOUTH TO [36] [83] [11] ELKHORN [EXIT 25 MPH] EXIT [TR] ONLY	-- x --	--	--	--	--	--	SHEET 25A OF 41 INSTALL ON S-51-14 I-BEAMS INCIDENTAL	14 x 12	168.00	1	--
12	E6-51	I	SOUTH TO [36] [83] [11] 1/2 MILE EXIT [DA] ONLY	-- x --	--	--	--	--	--	SHEET 25B OF 41 INSTALL ON S-51-16 I-BEAMS INCIDENTAL	14 x 7.5	105.00	1	--
13	E1-1A	I	[36] [83] NORTH ROCHESTER WATERFORD AHEAD	-- x --	--	--	--	--	--	SHEET 25B OF 41 REUSE STEEL POSTS	16 x 12.5	200.00	1	2
14	E6-51	I	SOUTH TO [36] [83] [11] ELKHORN [TL] [TL]	-- x --	--	--	--	--	--	SHEET 26 OF 41 INSTALL ON S-51-15 I-BEAMS INCIDENTAL	16 x 10.5	168.00	1	--
15	E6-1	I	BURLINGTON EXIT [TR] ONLY	-- x --	--	--	--	--	--	SHEET 26 OF 41 INSTALL ON S-51-15 I-BEAMS INCIDENTAL	14 x 6	84.00	1	--

3

SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE W [IN.]	x	H [IN.]	**637.2210** SIGNS TYPE II REFLC H [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**634.0618** POSTS WOOD 4"X 6"X18' [EA]	**638.2102** MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.]	x	H [FT.]	**637.1220** SIGNS TYPE I REFLC SH [SF]	**638.2601** REMOVING SIGNS TYPE I [EA]	**635.0300** SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS [EA]
16	E1-1A	I	BURLINGTON 1/4 MILE RIGHT LANE EXIT ONLY	--	x	--	--	--	--	--	--	SHEET 27 OF 41 REUSE STEEL POSTS	17	x	10.5	178.50	1	2
17	E1-1A	I	SOUTH TO [36] [83] [11] ELKHORN BURLINGTON 1 1/2 MILES	--	x	--	--	--	--	--	--	SHEET 30 OF 41 REUSE STEEL POSTS	17	x	15	255.00	1	2
18	R1-2	II	--	--	x	--	--	1	1	1	--	SHEET 38 OF 41	--	x	--	--	--	--
19	R3-33R	II	--	78	x	36	19.500	--	2	--	--	SHEET 27 OF 41	--	x	--	--	--	--
20	R3-33R	II	--	78	x	36	19.500	--	2	--	--	SHEET 25B OF 41	--	x	--	--	--	--
	UNDISTRIBUTED						--	--	20	20						--	--	--
	TOTALS						39.000	11	35	30						1326.500	8	6

TRAFFIC CONTROL SUMMARY

LOCATION	APPROXIMATE SERVICE DAYS	643.0300 TRAFFIC CONTROL DRUMS IN SERVICE	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0410 TRAFFIC CONTROL BARRICADES TYPE II IN SERVICE	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III IN SERVICE	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A IN SERVICE	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C IN SERVICE	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS	643.0800 TRAFFIC CONTROL ARROW BOARDS IN SERVICE	643.0800 TRAFFIC CONTROL ARROW BOARDS DAYS	643.0900 TRAFFIC CONTROL SIGNS IN SERVICE	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I # OF CYCLES	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS IN SERVICE	643.1050 TRAFFIC CONTROL SIGNS PCMS DAYS	643.1070 TRAFFIC CONTROL CONES 42-INCH IN SERVICE	643.1070 TRAFFIC CONTROL CONES 42-INCH DAYS
STAGE 1																							
BYPASS MAINLINE	7	316	2,212	--	--	45	315	90	630	130	910	4	28	115	805	1	1	--	--	1,434	10,038
STH 36 MAINLINE	7	453	3,171	--	--	30	210	60	420	40	280	4	28	80	560	--	--	--	--	660	4,620
STAGE 2																							
BYPASS MAINLINE	25	388	9,700	--	--	55	1,375	110	2,750	250	6,250	4	100	120	3,000	1	1	--	--	1,474	36,850
BYPASS WIDTH RESTRUCTION SIGNING	25	--	--	--	--	--	--	--	--	--	--	--	--	9	225	--	--	--	--	--	--
BYPASS SIDEROAD CLOSURES	4	100	400	--	--	25	100	50	200	70	280	--	--	40	160	--	--	4	16	20	80
STH 36 MAINLINE	35	620	21,700	--	--	33	1,155	66	2,310	58	2,030	4	140	85	2,975	--	--	--	--	740	25,900
STH 36 WIDTH RESTRICTION SIGNING	35	--	--	--	--	--	--	--	--	--	--	--	--	27	945	--	--	--	--	--	--
STH 36 SIDEROAD CLOSURES	4	80	320	--	--	39	156	78	312	60	240	--	--	46	184	--	--	6	24	40	160
STAGE 3																							
BYPASS MAINLINE	28	273	7,644	--	--	47	1,316	94	2,632	150	4,200	4	112	110	3,080	1	1	--	--	1,660	46,480
BYPASS WIDTH RESTRUCTION SIGNING	28	--	--	--	--	--	--	--	--	--	--	--	--	44	1,232	--	--	--	--	--	--
BYPASS SIDEROAD CLOSURES	4	275	1,100	--	--	80	320	160	640	--	--	--	--	85	340	--	--	14	56	20	80
STH 36 MAINLINE	39	490	19,110	--	--	33	1,287	66	2,574	66	2,574	4	156	80	3,120	--	--	--	--	710	27,690
STH 36 WIDTH RESTRICTION SIGNING	39	--	--	--	--	--	--	--	--	--	--	--	--	36	1,404	--	--	--	--	--	--
STH 36 SIDEROAD CLOSURES	4	195	780	--	--	87	348	174	696	--	--	--	--	67	268	--	--	7	28	40	160
STAGE 4																							
BYPASS MAINLINE	8	265	2,120	--	--	58	464	116	928	28	224	4	32	100	800	1	1	--	--	1,305	10,440
STH 36 MAINLINE	8	448	3,584	--	--	24	192	48	384	28	224	4	32	73	584	--	--	--	--	715	5,720
PEDESTRIAN TRAFFIC CONTROL	10	--	--	4	40	--	--	--	--	--	--	--	--	4	40	--	--	--	--	--	--
MILWAUKEE AVE SIGN REPLACEMENTS	2	95	190	--	--	2	4	4	8	27	54	3	6	13	26	--	--	--	--	--	--
UNDISTRIBUTED	--	--	3,600	--	5	--	365	--	725	--	865	--	35	--	990	--	--	--	--	--	8,415
PROJECT TOTALS			**75,631**		**45**		**7,607**		**15,209**		**18,131**		**669**		**20,738**		**4**		**124**		**176,633**

TRAFFIC CONTROL

LOCATION	643.5000 TRAFFIC CONTROL EACH
3180-00-76	1
PROJECT TOTAL	**1**

CATEGORY 0010 UNLESS OTHERWISE NOTED

MARKING ITEMS

STATION	TO	STATION	646.1020 MARKING LINE EPOXY 4-INCH LF WHITE	646.1020 MARKING LINE EPOXY 4-INCH LF YELLOW	646.1545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.3545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH LF	646.5020 MARKING ARROW EPOXY (TYPE 2) EACH	646.5020 MARKING ARROW EPOXY (TYPE 5) EACH	646.5120 MARKING WORD EPOXY EACH	646.5520 MARKING OUTFALL EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH EACH	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7220 MARKING CHEVRON EPOXY 24-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
BURLINGTON BYPASS																				
1117'B'+40	-	1146'B'+50	5024	5264	1500	1485	2604	10	--	4	--	195	80	--	--	330	--	--	4	4
1146'B'+50	-	1178'B'+00	6479	6479	1650	--	914	2	4	1	2	--	--	--	--	--	--	--	--	4
1178'B'+00	-	1209'B'+50	6304	6304	1650	--	42	2	--	1	3	--	--	--	--	--	--	--	--	--
1209'B'+50	-	1241'B'+00	6304	6304	1650	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1241'B'+50	-	1272'B'+50	6290	6304	1625	--	30	1	--	--	--	--	--	--	--	--	--	--	--	--
1272'B'+50	-	1304'B'+00	6636	6637	1625	1594	3132	9	--	4	3	164	42	--	--	365	--	--	8	4
1304'B'+00	-	1335'B'+50	6318	6318	1650	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--
1335'B'+50	-	1367'B'+00	6712	6584	1650	--	945	2	1	1	--	--	--	--	--	--	--	--	--	2
1367'B'+00	-	1398'B'+50	6337	6380	1650	--	2125	2	5	1	48	--	--	190	--	--	--	--	--	3
1398'B'+50	-	1431'B'+00	6569	6497	1700	--	2222	2	--	--	7	--	--	5560	1120	--	209	--	--	--
			62973	63071																
SUBTOTAL			**126044**		**16350**	**3079**	**12014**	**30**	**10**	**12**	**65**	**359**	**122**	**5750**	**1120**	**695**	**209**	**0**	**12**	**17**
STH 36																				
229+02	-	259+50	5823	6156	1600	--	637	--	--	--	--	45	--	13579	637	--	--	--	--	--
259+50	-	291+00	6042	6347	1613	--	737	--	--	--	--	53	80	14002	737	--	--	--	--	--
291+00	-	322+50	6134	6557	2142	133	2409	8	--	3	--	104	52	14833	2542	240	--	--	80	8
322+50	-	352+25	5569	5645	2052	93	2585	8	--	4	4	183	--	13266	2678	632	--	442	20	--
			23568	24705																
SUBTOTAL			**48273**		**7407**	**226**	**6368**	**16**	**0**	**7**	**4**	**385**	**132**	**55680**	**6594**	**872**	**0**	**442**	**100**	**8**
PROJECT TOTAL			**174317**		**23757**	**3305**	**18382**	**46**	**10**	**19**	**69**	**744**	**254**	**61430**	**7714**	**1567**	**209**	**442**	**112**	**25**

MARKING REMOVAL

LOCATION		646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	646.9055 MARKING REMOVAL LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9110 MARKING REMOVAL LINE WATER BLASTING 8-INCH LF	646.9155 MARKING REMOVAL LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	COMMENTS
BURLINGTON BYPASS										
	STAGE 1	60515	3790	--	5500	35	85	225	28	WATER BLASTING FOR USE ON EXISTING BRIDGE DECKS AND APPROACH SLABS
	STAGE 2	--	3790	--	--	--	--	--	--	WATER BLASTING FOR USE ON EXISTING BRIDGE DECKS AND APPROACH SLABS
	STAGE 3	--	210	820	--	--	--	--	--	WATER BLASTING FOR USE ON EXISTING BRIDGE DECKS AND APPROACH SLABS
	STAGE 4	--	--	--	--	--	--	--	--	
STH 36										
	STAGE 1	23100	520	--	2525	--	--	--	--	WATER BLASTING FOR USE ON EXISTING BRIDGE DECKS AND APPROACH SLABS
	STAGE 2	--	520	--	--	--	--	--	--	WATER BLASTING FOR USE ON EXISTING BRIDGE DECKS AND APPROACH SLABS
	STAGE 3	--	155	--	--	--	--	--	--	WATER BLASTING FOR USE ON EXISTING BRIDGE DECKS AND APPROACH SLABS
	STAGE 4	--	--	--	--	--	--	--	--	
TOTALS		**83615**	**8985**	**820**	**8025**	**35**	**85**	**225**	**28**	

CATEGORY 0010 UNLESS OTHERWISE NOTED

TEMPORARY PAVEMENT MARKING

STATION	TO	STATION	LOCATION	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH LF WHITE	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH LF YELLOW	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF WHITE	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF YELLOW	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF WHITE	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF YELLOW	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF WHITE
BYPASS STAGE 1										
1105'B'+75		1112'B'+25	RT	--	--	700	--	--	--	--
1164'B'+00		1167'B'+00	LT	--	--	310	--	--	--	--
1165'B'+25		1167'B'+25	RT	--	--	230	--	--	--	--
1171'B'+00		1173'B'+00	RT	--	--	--	100	150	200	--
1173'B'+00		1176'B'+00	RT & LT	--	--	150	--	--	--	--
1176'B'+00		1178'B'+00	LT	--	--	--	100	150	200	--
1181'B'+50		1183'B'+75	LT	--	--	230	--	--	--	--
1182'B'+15		1185'B'+50	RT	--	--	310	--	--	--	--
1357'B'+00		1359'B'+00	RT	--	--	230	--	--	--	--
1360'B'+00		1363'B'+00	LT	--	--	310	--	--	--	--
1363'B'+00		1364'B'+50	RT	--	--	--	50	100	150	--
1369'B'+00		1372'B'+00	LT	--	--	75	--	--	--	--
1372'B'+00		1374'B'+25	LT	--	--	--	50	200	200	--
1373'B'+00		1376'B'+00	RT	--	--	310	--	--	--	--
1378'B'+00		1380'B'+25	LT	--	--	230	--	--	--	--
1385'B'+75		1389'B'+75	LT	--	--	310	--	--	--	--
1393'B'+00		1396'B'+00	LT	--	--	75	--	--	--	--
1396'B'+00		1399'B'+00	LT	--	--	625	250	--	--	--
1408'B'+90		1411'B'+50	LT	--	--	125	--	500	--	--
1415'B'+00		1417'B'+00	LT	--	--	230	--	--	--	--
1415'B'+50		1418'B'+75	RT	--	--	225	225	200	--	--
1424'B'+50		1427'B'+50	RT	--	--	310	--	--	--	--
250+50		257+00	LT	--	--	700	--	--	--	--
				0	0	5685	775	1300	750	
BYPASS STAGE 1 SUBTOTAL				0		6460		2050		0
STH 36 STAGE 1										
1415'B'+50		1422'B'+00	RT	--	--	300	225	200	--	--
1424'B'+50		1427'B'+75	RT	--	--	310	--	--	--	--
239+50		240+00	RT & LT	--	--	--	--	--	--	80
276+10		276+75	RT & LT	--	--	--	--	--	--	80
296+50		298+00	RT & LT	--	--	--	--	--	--	80
344+50		345+15	RT & LT	--	--	--	--	--	--	80
357+00		363+70	LT	--	--	700	--	--	--	--
				0	0	1310	225	200	0	
STH 36 STAGE 1 SUBTOTAL				0		1535		200		320
BYPASS STAGE 2										
1104'B'+15		1110'B'+80	RT	--	--	700	--	--	--	--
1119'B'+75		1125'B'+00	RT	--	--	550	--	--	--	--
1126'B'+00		1131'B'+00	LT	500	--	--	--	--	--	--
1126'B'+00		1275'B'+00	RT	14700	14500	--	--	--	--	--
1131'B'+50		1278'B'+00	LT	14600	14550	--	--	--	--	--
1280'B'+50		234+00	RT	15550	16000	--	--	--	--	--
1284'B'+00		238+50	LT	15500	16000	--	--	--	--	--
250+30		257+00	LT	--	700	--	--	--	--	--
				60850	61750	1250	0	0	0	
BYPASS STAGE 2 SUBTOTAL				122600		1250		0		0

STATION	TO	STATION	LOCATION	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH LF WHITE	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH LF YELLOW	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF WHITE	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF YELLOW	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF WHITE	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF YELLOW	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF WHITE
STH 36 STAGE 2										
1378'B'+00		237+00	RT	6000	6100	--	--	--	--	--
1427'B'+00		239+00	LT	1500	1400	--	--	--	--	--
240+50		273+50	RT	3200	3250	--	--	--	--	--
242+50		275+50	LT	3150	3250	--	--	--	--	--
277+00		296+50	RT	1950	1400	--	--	--	--	--
277+00		296+00	LT	1600	1900	--	--	--	--	--
298+50		336+00	RT	3700	3750	--	--	--	--	--
300+50		344+00	LT	4350	4050	--	--	--	--	--
346+00		352+00	RT	600	600	--	--	--	--	--
349+50		364+00	LT	850	1450	--	--	--	--	--
396+00		402+75	LT	700	--	--	--	--	--	--
				27600	27150	0	0	0	0	
STH 36 STAGE 2 SUBTOTAL				54750		0		0		0
BYPASS STAGE 3										
1104'B'+00		1110'B'+50	RT	--	--	700	--	--	--	--
1117'B'+00		1123'B'+50	RT	--	--	650	--	--	--	--
1126'B'+50		1278'B'+00	RT	--	--	14500	14500	200	200	--
1128'B'+00		1277'B'+50	LT	--	--	14500	14700	200	200	--
1280'B'+50		234+00	RT	--	--	15000	15500	400	200	--
1281'B'+00		237+00	LT	--	--	15500	15400	700	200	--
241+00		257+00	LT	--	--	1600	--	--	--	--
				0	0	62450	60100	1500	800	
BYPASS STAGE 3 SUBTOTAL				0		122550		2300		0
STH 36 STAGE 3										
1402'B'+50		237+50	RT	--	--	3500	3050	200	--	--
1426'B'+00		239+00	LT	--	--	1500	1500	--	--	--
239+50		240+50	RT & LT	--	--	--	--	--	--	80
240+50		274+50	RT	--	--	3350	3200	--	--	--
242+00		275+00	LT	--	--	3300	3000	--	--	--
276+00		277+00	RT & LT	--	--	--	--	--	--	80
278+00		293+00	RT	--	--	1500	1300	--	--	--
278+50		296+50	LT	--	--	1700	1600	--	--	--
298+25		341+00	RT	--	--	4150	3900	--	--	--
301+00		344+00	LT	--	--	4200	4200	--	--	--
344+00		345+50	RT & LT	--	--	--	--	--	--	80
346+50		354+00	RT	--	--	750	450	--	--	--
348+50		363+50	LT	--	--	1500	700	--	--	--
				0	0	25450	22900	200	0	
STH 36 STAGE 3 SUBTOTAL				0		48350		200		240
BYPASS STAGE 4										
1104'B'+00		1110'B'+75	RT	--	--	700	--	--	--	--
250+25		257+00	LT	--	--	700	--	--	--	--
				0	0	1400	0	0	0	
BYPASS STAGE 4 SUBTOTAL				0		1400		0		0
UNDISTRIBUTED				5000	5000	5000	5000	200	100	50
SUM				93450	93900	102545	89000	3400	1650	
TOTALS				**187350**		**191545**		**5050**		**610**

CATEGORY 0010 UNLESS OTHERWISE NOTED

CONSTRUCTION STAKING

STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
BURLINGTON BYPASS							
1142'B'+96	--	1146'B'+83	LT	387	387	--	387
1151'B'+18	--	1156'B'+15	RT	497	497	--	497
1154'B'+29	--	1158'B'+99	LT	470	470	--	470
1169'B'+77	--	1174'B'+97	RT	520	520	--	520
1172'B'+56	--	1177'B'+77	LT	521	521	--	521
1328'B'+82	--	1333'B'+75	RT	493	493	--	493
1331'B'+72	--	1336'B'+69	LT	497	497	--	497
1404'B'+62	--	1415'B'+50	LT	1088	1088	--	1088
ROJECT WIDE				--	--	85,846	--
TOTALS				4473	4473	85846	4473

LOCATION	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS 01.3180-00-76 LS	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL 01.3180-00-76 LS
PROJECT WIDE	1	1
TOTALS	**1**	**1**

REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE

PROJECT 3180-00-76 LOCATION	204.9060.S.04 EA	204.9060.S.05 EA	204.9060.S.06 EA	204.9060.S.07 EA
STH 36 & STH 83 SOUTH (PINE ST)	1	--	--	--
STH 36 & STH 11 (DURAND AV)	--	1	--	--
STH 36 & CTH D	--	--	1	--
STH 36 & STH 20	--	--	--	1
PROJECT TOTAL (3180-00-76)	**1**	**1**	**1**	**1**

REMOVING TRAFFIC SIGNAL PUSH BUTTONS

PROJECT 3180-00-76 LOCATION	204.9060.S.03 EA
STH 36 & STH 83 SOUTH (PINE ST)	1
PROJECT TOTAL (3180-00-76)	**1**

CONDUIT ITEMS

PROJECT 3180-00-76

ID	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
STH 36 & STH 83 SOUTH (PINE ST)				
	PB9	SB23	65	1
	PB15	SB24	22	1
	PB22	SB25	53	1
	EXT 1	PB20	29	-
	EXT 2	PB21	34	-
		SUBTOTAL	**203**	**3**
STH 36 & STH 11 (DURAND AV)				
	EXT 1	PB2	30	-
	EXT 2	PB3	43	-
	EXT 3	PB15	27	-
	EXT 4	PB16	36	-
		SUBTOTAL	**136**	**0**
STH 36 & CTH D				
	EXT 1	PB2	23	-
	EXT 2	PB3	37	-
	EXT 3	PB14	12	-
	EXT 4	PB14	23	-
	EXT 5	PB15	38	-
		SUBTOTAL	**133**	**0**
STH 36 & STH 20				
	EXT 1	PB6	16	-
	EXT 2	PB6	10	-
	EXT 3	PB7	23	-
	EXT 4	PB16	19	-
	EXT 5	PB17	35	-
		SUBTOTAL	**103**	**0**
		PROJECT TOTAL (3180-00-76)	**575**	**3**

LUMINAIRES

PROJECT 3180-00-76

LOCATION	BASE NO.	STATION		OFFSET	204.9060.08 REMOVING LUMINAIRES EACH	659.1125 LUMINAIRES UTLITY LED C EACH	659.5000.S LAMP, BALLAST, LED, SWITCH, DISPOSAL BY CONTRACTOR EACH
STH 36 & STH 83 SOUTH (PINE ST)							
	SB3	351+63	STH 83 SOUTH	4' LT	2	2	2
	SB7	1124+78	STH 11/36	13' LT	2	2	2
	SB8	1123+30	STH 11/36	12' LT	1	1	1
	SB9	1121+79	STH 11/36	12' LT	1	1	1
	SB12	353+40	S. PINE ST	5' RT	2	2	2
	SB14	1126+54	STH 11/36/83	82' RT	1	1	1
	SB16	1126+21	STH 11/36/83	13' RT	2	2	2
	SB17	1127+71	STH 11/36/83	13' RT	1	1	1
	SB18	1129+22	STH 11/36/83	8' RT	1	1	1
	SB20	1124+43	STH 11/36	96' RT	1	1	1
	SB21	1124+33	STH 11/36	73' LT	1	1	1
	SB22	1126+69	STH 11/36/83	93' LT	1	1	1
				SUBTOTAL	**16**	**16**	**16**
STH 36 & STH 11 (DURAND AV)							
	SB3	127+36	DURAND AV	5' LT	2	2	2
	SB4	1280+04	STH 36/83	91' LT	1	1	1
	SB7	1279+63	STH 36/83	13' LT	2	2	2
	SB9	1281+46	STH 36/83	13' RT	1	1	1
	SB10	1282+97	STH 36/83	13' RT	1	1	1
	SB11	1280+18	STH 36/83	84' RT	1	1	1
	SB14	129+25	STH 11	5' RT	2	2	2
	SB17	1278+49	STH 11/36/83	90' RT	1	1	1
	SB19	1278+48	STH 11/36/83	13' LT	2	2	2
	SB20	1276+98	STH 11/36/83	13' LT	1	1	1
	SB21	1275+48	STH 11/36/83	13' LT	1	1	1
	SB22	1278+21	STH 11/36/83	80' LT	1	1	1
				SUBTOTAL	**16**	**16**	**16**
STH 36 & CTH D							
	SB3	394+34	STH 36/83	8' LT	2	2	2
	SB4	300+17	STH 36/83	8' RT	1	1	1
	SB7	21+23	CTH D	35' RT	1	1	1
	SB10	296+37	STH 36/83	21' LT	2	2	2
	SB11	294+53	STH 36/83	21' LT	1	1	1
	SB14	19+41	CTH D	37' LT	1	1	1
				SUBTOTAL	**8**	**8**	**8**
STH 36 & STH 20							
	SB2	404+43	STH 36/83	30' LT	1	1	1
	SB5	345+93	STH 36/83	10' RT	2	2	2
	SB6	347+80	STH 36/83	8' RT	1	1	1
	SB9	102+81	STH 36/83	36' RT	1	1	1
	SB12	343+96	STH 36/83	19' LT	2	2	2
	SB13	342+14	STH 36/83	17' LT	1	1	1
				SUBTOTAL	**8**	**8**	**8**
				PROJECT TOTAL (3180-00-76)	**48**	**48**	**48**

CATEGORY 0010 UNLESS OTHERWISE NOTED

TRAFFIC DETECTOR LOOPS

PROJECT 3180-00-76

ID	LOOP NO.	HOME RUN PULL BOX	LOCATION*	SIZE (FT. X FT.)	NO. OF TURNS	PAVEMENT	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR LF	655.0700 LOOP DETECTOR LEAD-IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
STH 36 & STH 83 SOUTH (PINE ST)										
	11	PB11	1124+66 STH 36 0.1' LT	6' X 20'	3	ASPHALT	NOTE A.	76	364	240
	12	PB11	1124+94 STH 36 0.1' LT	6' X 20'	3	ASPHALT	NOTE A.	100	364	312
	21	PB21	1130+45 STH 36 43' LT	6' X 12'	5	ASPHALT	NOTE A.	92	649	472
	22	PB21	1130+45 STH 36 31' LT	6' X 12'	5	ASPHALT	NOTE A.	116	649	592
	23	PB20	1128+68 STH 36 43' LT	6' X 12'	4	ASPHALT	NOTE A.	82	474	340
	24	PB20	1128+68 STH 36 31' LT	6' X 12'	4	ASPHALT	NOTE A.	106	474	436
	31	PB4	351+44 PINE ST 5' RT	6' X 20'	3	ASPHALT	NOTE A.	70	114	222
	32	PB4	351+72 PINE ST 5' RT	6' X 20'	3	ASPHALT	NOTE A.	66	114	210
	42	PB15	353+59 PINE ST 28' LT	6' X 20'	3	ASPHALT	NOTE A.	88	440	276
	43	PB15	353+31 PINE ST 28' LT	6' X 20'	3	ASPHALT	NOTE A.	78	440	246
	44	PB15	353+58 PINE ST 17' LT	6' X 20'	3	ASPHALT	NOTE A.	92	358	288
	45	PB15	353+30 PINE ST 17' LT	6' X 20'	3	ASPHALT	NOTE A.	88	358	276
	51	PB23	1126+35 STH 36 0.1' RT	6' X 20'	3	ASPHALT	NOTE A.	76	125	240
	52	PB23	1126+07 STH 36 0.1' RT	6' X 20'	3	ASPHALT	NOTE A.	88	125	276
	71	PB17	353+57 PINE ST 5' LT	6' X 20'	3	ASPHALT	NOTE A.	72	355	228
	72	PB17	353+29 PINE ST 5' LT	6' X 20'	3	ASPHALT	NOTE A.	64	355	204
	82	PB3	351+42 PINE ST 28' RT	6' X 20'	3	ASPHALT	NOTE A.	84	77	264
	83	PB3	351+70 PINE ST 28' RT	6' X 20'	3	ASPHALT	NOTE A.	78	77	246
	84	PB3	351+43 PINE ST 16' RT	6' X 20'	3	ASPHALT	NOTE A.	88	114	276
	85	PB3	351+71 PINE ST 16' RT	6' X 20'	3	ASPHALT	NOTE A.	88	114	276
							SUBTOTAL	**1,692**	**6,140**	**5,920**
STH 36 & STH 11 (DURAND AV)										
	11	PB18	1278+39 STH 36 0.1' LT	6' X 20'	3	ASPHALT	NOTE A.	74	266	234
	12	PB18	1278+66 STH 36 2.5' LT	6' X 20'	3	ASPHALT	NOTE A.	72	266	228
	21	PB3	1284+06 STH 36 43' LT	6' X 12'	5	ASPHALT	NOTE A.	68	662	352
	22	PB3	1284+06 STH 36 31' LT	6' X 12'	5	ASPHALT	NOTE A.	92	662	472
	23	PB2	1282+31 STH 36 43' LT	6' X 8'	5	ASPHALT	NOTE A.	74	485	382
	24	PB2	1282+31 STH 36 31' LT	6' X 8'	5	ASPHALT	NOTE A.	98	485	502
	31	PB27	129+42 DURAND 6' LT	6' X 20'	3	ASPHALT	NOTE A.	70	99	222
	32	PB27	129+14 DURAND 6' LT	6' X 20'	3	ASPHALT	NOTE A.	70	99	222
	43	PB21	127+25 DURAND 18' RT	6' X 20'	3	ASPHALT	NOTE A.	100	414	312
	44	PB21	127+53 DURAND 18' RT	6' X 20'	3	ASPHALT	NOTE A.	90	414	282
	51	PB6	1280+05 STH 36 0.1' RT	6' X 20'	3	ASPHALT	NOTE A.	70	106	222
	52	PB6	1279+79 STH 36 3' RT	6' X 20'	3	ASPHALT	NOTE A.	66	106	210
	61	PB16	1274+41 STH 36 43' RT	6' X 12'	5	ASPHALT	NOTE A.	70	609	362
	62	PB16	1274+41 STH 36 31' RT	6' X 12'	5	ASPHALT	NOTE A.	94	609	482
	63	PB15	1276+15 STH 36 43' RT	6' X 6'	5	ASPHALT	NOTE A.	66	432	342
	64	PB15	1276+15 STH 36 31' RT	6' X 6'	5	ASPHALT	NOTE A.	90	432	462
	71	PB25	127+25 DURAND 6' RT	6' X 20'	3	ASPHALT	NOTE A.	68	308	216
	72	PB25	127+53 DURAND 6' RT	6' X 20'	3	ASPHALT	NOTE A.	78	308	246
	83	PB11	129+42 DURAND 18' LT	6' X 20'	3	ASPHALT	NOTE A.	98	64	306
	84	PB11	129+14 DURAND 18' LT	6' X 20'	3	ASPHALT	NOTE A.	92	64	288
							SUBTOTAL	**1,600**	**6,890**	**6,344**

* LOCATION IS TO FRONT CENTER OF DETECTOR

NOTE A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15-4B

3

TRAFFIC DETECTOR LOOPS CONTINUED

PROJECT 3180-00-76

ID	LOOP NO.	HOME RUN PULL BOX	LOCATION*	SIZE (FT. X FT.)	NO. OF TURNS	PAVEMENT	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR LF	655.0700 LOOP DETECTOR LEAD-IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
STH 36 & CTH D										
	11	PB17	296+23 STH 36 6' LT	6' X 20'	3	ASPHALT	NOTE A.	76	250	240
	12	PB17	296+51 STH 36 6' LT	6' X 20'	3	ASPHALT	NOTE A.	74	250	234
	21	PB3	302+35 STH 36 46' LT	6' X 6'	5	ASPHALT	NOTE A.	62	467	322
	22	PB3	302+35 STH 36 34' LT	6' X 6'	5	ASPHALT	NOTE A.	86	467	442
	23	PB2	300+60 STH 36 44' LT	6' X 6'	4	ASPHALT	NOTE A.	68	289	284
	24	PB2	300+60 STH 36 32' LT	6' X 6'	4	ASPHALT	NOTE A.	92	289	380
	42	PB22	19+45 CTH D 6' RT	6' X 20'	3	ASPHALT	NOTE A.	76	117	240
	43	PB22	19+73 CTH D 6' RT	6' X 20'	3	ASPHALT	NOTE A.	74	117	234
	51	PB5	298+10 STH 36 6' LT	6' X 20'	3	ASPHALT	NOTE A.	74	117	234
	52	PB5	298+38 STH 36 6' LT	6' X 20'	3	ASPHALT	NOTE A.	72	117	228
	61	PB15	292+24 STH 36 36' RT	6' X 15'	5	ASPHALT	NOTE A.	82	779	422
	62	PB15	292+24 STH 36 24' RT	6' X 15'	5	ASPHALT	NOTE A.	106	779	542
	63	PB14	293+99 STH 36 34' RT	6' X 10'	5	ASPHALT	NOTE A.	80	601	412
	64	PB14	293+99 STH 36 22' RT	6' X 10'	5	ASPHALT	NOTE A.	104	601	532
	83	PB11	21+35 CTH D 12' LT	6' X 20'	3	ASPHALT	NOTE A.	72	252	228
	84	PB11	21+07 CTH D 12' LT	6' X 20'	3	ASPHALT	NOTE A.	72	252	228
							SUBTOTAL	**1,270**	**5,744**	**5,202**
STH 36 & STH 20										
	11	PB20	343+89 STH 36 5.0 LT	6' X 20'	3	ASPHALT	NOTE A.	70	120	222
	12	PB20	344+17 STH 36 7.5 LT	6' X 20'	3	ASPHALT	NOTE A.	74	120	234
	21	PB7	350+31 STH 36 48' LT	6' X 12'	5	ASPHALT	NOTE A.	70	634	362
	22	PB7	350+31 STH 36 36' LT	6' X 12'	5	ASPHALT	NOTE A.	94	634	482
	23	PB6	348+60 STH 36 46' LT	6' X 6'	5	ASPHALT	NOTE A.	72	455	372
	24	PB6	348+60 STH 36 34' LT	6' X 6'	5	ASPHALT	NOTE A.	96	455	492
	42	PB3	405+03 STH 20 7' RT	6' X 20'	3	ASPHALT	NOTE A.	92	91	288
	43	PB3	405+31 STH 20 7' RT	6' X 20'	3	ASPHALT	NOTE A.	92	91	288
	51	PB8	346+01 STH 36 5' RT	6' X 20'	3	ASPHALT	NOTE A.	74	277	234
	52	PB8	345+73 STH 36 2' RT	6' X 20'	3	ASPHALT	NOTE A.	78	277	246
	61	PB17	339+57 STH 36 38' RT	6' X 12'	5	ASPHALT	NOTE A.	80	644	412
	62	PB17	339+57 STH 36 26' RT	6' X 12'	5	ASPHALT	NOTE A.	104	644	532
	63	PB16	341+32 STH 36 36' RT	6' X 6'	5	ASPHALT	NOTE A.	72	466	372
	64	PB16	341+32 STH 36 24' RT	6' X 6'	5	ASPHALT	NOTE A.	96	466	492
	83	PB11	102+50 STH 20 17' LT	6' X 20'	3	ASPHALT	NOTE A.	72	291	228
	84	PB11	102+22 STH 20 17' LT	6' X 20'	3	ASPHALT	NOTE A.	76	291	240
	85	PB11	102+50 STH 20 6' LT	6' X 20'	3	ASPHALT	NOTE A.	94	291	294
	86	PB11	102+22 STH 20 6' LT	6' X 20'	3	ASPHALT	NOTE A.	96	291	300
							SUBTOTAL	**1,502**	**6,538**	**6,090**
			PROJECT TOTAL (3180-00-76)				**PROJECT TOTAL (3180-00-76)**	**6,064**	**25,312**	**23,556**

* LOCATION IS TO FRONT CENTER OF DETECTOR

NOTE A - LOOP DETECTOR PLACED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2) SDD 9F15-4B

3

PULL BOXES

PROJECT 3180-00-76						653.0135 PULL BOXES STEEL 24x36-INCH
ID	PULL BOX NO.	STATION		OFFSET		EACH
STH 36 & STH 83 SOUTH (PINE ST)						
	PB20	1130+43	STH 36	74'	LT	1
	PB21	1128+70	STH 36	70'	LT	1
				SUBTOTAL		**2**
STH 36 & STH 11 (DURAND AV)						
	PB2	1282+31	STH 36	69'	LT	1
	PB3	1284+06	STH 36	63'	LT	1
	PB15	1276+15	STH 36	68'	RT	1
	PB16	1274+41	STH 36	63'	RT	1
				SUBTOTAL		**4**
STH 36 & CTH D						
	PB2	300+60	STH 36	69'	LT	1
	PB3	305+35	STH 36	68'	LT	1
	PB14	293+99	STH 36	61'	RT	1
	PB15	292+24	STH 36	57'	RT	1
				SUBTOTAL		**4**
STH 36 & STH 20						
	PB6	348+56	STH 36	73'	LT	1
	PB7	350+32	STH 36	68'	LT	1
	PB16	341+33	STH 36	63'	RT	1
	PB17	339+59	STH 36	63'	RT	1
				SUBTOTAL		**4**
				PROJECT TOTAL (3180-00-76)		**14**

REMOVING PULL BOXES

PROJECT 3180-00-76					653.0905 REMOVING PULL BOXES
ID	PB NO.	STATION	OFFSET		EACH
STH 36 & STH 83 SOUTH (PINE ST)					
	PB20	1130+08	72'	LT	1
	PB21	1128+42	70'	LT	1
			SUBTOTAL		**2**
STH 36 & STH 11 (DURAND AV)					
	PB2	1282+01	69'	LT	1
	PB3	1283+62	63'	LT	1
	PB15	1276+42	68'	RT	1
	PB16	1274+76	62'	RT	1
			SUBTOTAL		**4**
STH 36 & CTH D					
	PB2	300+41	70'	LT	1
	PB3	302+00	68'	LT	1
	PB14	294+20	59'	RT	1
	PB15	292+59	57'	RT	1
			SUBTOTAL		**4**
STH 36 & STH 20					
	PB6	348+60	72'	LT	1
	PB7	350+09	68'	LT	1
	PB16	341+50	63'	RT	1
	PB17	339+90	62'	RT	1
			SUBTOTAL		**4**
			PROJECT TOTAL (3180-00-76)		**14**

CONCRETE BASES

PROJECT 3180-00-76						654.0101 CONCRETE BASES TYPE 1
ID	BASE NO.	STATION		OFFSET		EACH
STH 36 & STH 83 SOUTH (PINE ST)						
	SB23	351+80	PINE ST	45'	LT	1
	SB24	353+26	PINE ST	51'	LT	1
	SB25	353+21	PINE ST	45'	RT	1
				SUBTOTAL		**3**
				PROJECT TOTAL (3180-00-76)		**3**

SIGNAL CABLE

PROJECT 3180-00-76			655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG
ID	FROM	TO	LF
STH 36 & STH 83 SOUTH (PINE ST)			
	CB1	SB23	374
	CB1	SB24	504
	CB1	SB25	263
		SUBTOTAL	**1,141**
		PROJECT TOTAL (3180-00-76)	**1,141**

EQUIPMENT GROUNDING CONDUCTORS & PULL BOX JUMPERS

PROJECT 3180-00-76			655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG
ID	FROM	TO	LF
STH 36 & STH 83 SOUTH (PINE ST)			
EQUIPMENT GROUNDING CONDUCTORS			
	SB5	SB23	126
	SB11	SB24	52
	SB14	SB25	102
PULL BOX JUMPERS			
	PB9	SB23	75
	PB15	SB24	32
	PB22	SB25	63
		SUBTOTAL	**450**
		PROJECT TOTAL (3180-00-76)	**450**

CATEGORY 0010 UNLESS OTHERWISE NOTED

3

EMERGENCY VEHICLE PREEMPTION CABLE

PROJECT 3180-00-76

ID	FROM	TO	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF
STH 36 & STH 83 SOUTH (PINE ST)			
	CAB	EVP B	193
	CAB	EVP C	448
	CAB	EVP A	608
	CAB	EVP D	336
SUBTOTAL			**1,585**
STH 36 & STH 11 (DURAND AV)			
	CAB	EVP B	172
	CAB	EVP C	335
	CAB	EVP A	565
	CAB	EVP D	389
SUBTOTAL			**1,461**
STH 36 & CTH D			
	CAB	EVP B	292
	CAB	EVP C	435
	CAB	EVP A	319
	CAB	EVP D	133
SUBTOTAL			**1,179**
PROJECT TOTAL (3180-00-76)			**4,225**

TRAFFIC SIGNALS

ID	BASE NO.	657.0100 PEDESTAL BASES EACH	657.0405 TRAFFIC SIGNAL STDS ALUMINUM 3.5-FOOT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH
PROJECT 3180-00-76				
STH 36 & STH 83 SOUTH (PINE ST)				
	SB23	1	1	1
	SB24	1	1	1
	SB25	1	1	1
PROJECT TOTAL (3180-00-76)		**3**	**3**	**3**

CATEGORY 0010 UNLESS OTHERWISE NOTED

TRANSPORT AND INSTALL STATE FURNISHED EVP DETECTOR HEADS

LOCATION	SPV.0060.03 EA	SPV.0060.04 EA	SPV.0060.05 EA
PROJECT 3180-00-76			
STH 36 & STH 83 SOUTH (PINE ST)	1	--	--
STH 36 & STH 11 (DURAND AV)	--	1	--
STH 36 & CTH D	--	--	1
PROJECT TOTAL (3180-00-76)	**1**	**1**	**1**

SANITARY ITEMS (CATEGORY 0020)

STATION	OFFSET	SPV.0060.20 SANITARY MANHOLE FRAMES AND GRATES EACH	SPV.0060.21 SANITARY MANHOLE CHIMNEY SEALS EACH	SPV.0060.22 SANITARY MANHOLE EXTERIOR JOINT PROTECTION EACH	SPV.0200.01 SANITARY MANHOLE REHABILITATION VF
345+34	6' RT	1	1	1	14.4
345+72	83' RT	1	1	1	14.7
TOTALS		2	2	2	29.1

DITCHING AND SHAPING

STATION		TO STATION	SPV.0090.01 DITCHING AND SHAPING LF
BURLINGTON BYPASS			
1119'B'+00	-	1146'B'+50	950
1146'B'+50	-	1178'B'+00	400
1178'B'+00	-	1209'B'+50	287
1209'B'+50	-	1241'B'+00	--
1241'B'+50	-	1272'B'+50	300
1272'B'+50	-	1304'B'+00	800
1304'B'+00	-	1335'B'+50	1090
1335'B'+50	-	1367'B'+00	1000
1367'B'+00	-	1398'B'+50	900
1398'B'+50	-	1431'B'+00	800
SUBTOTAL			**6527**
STH 36			
229+02	-	259+50	400
259+50	-	291+00	625
291+00	-	322+50	575
322+50	-	351+75	200
SUBTOTAL			**1800**
PROJECT TOTAL			**8327**

SAW CUTTING ITEMS

STATION		TO STATION	* 690.0150 SAWING ASPHALT LF	* 690.0250 SAWING CONCRETE LF
BURLINGTON BYPASS				
1119'B'+00	-	1146'B'+50	--	--
1146'B'+50	-	1178'B'+00	--	--
1178'B'+00	-	1209'B'+50	--	--
1209'B'+50	-	1241'B'+00	--	--
1241'B'+50	-	1272'B'+50	--	--
1272'B'+50	-	1304'B'+00	--	--
1304'B'+00	-	1335'B'+50	--	--
1335'B'+50	-	1367'B'+00	--	--
1367'B'+00	-	1398'B'+50	--	--
1398'B'+50	-	1431'B'+00	--	--
SUBTOTAL			**0**	**0**
STH 36				
229+02	-	259+50	--	660
259+50	-	291+00	--	1120
291+00	-	322+50	--	1050
322+50	-	351+75	180	2220
SUBTOTAL			**180**	**5050**
PROJECT TOTAL			**180**	**5050**

*ADDITIONAL QUANTITIES ELSEWHERE

FENCING ITEMS

STATION	TO	STATION	204.0170 REMOVING FENCE LF	SPV.0090.02 FENCE CHAIN LINK 4.5-FT LF	SPV.0090.03 FENCE CHAIN LINK SALVAGED 4.5-FT LF	SPV.0180.01 FENCE BASED CLEARING SY
BURLINGTON BYPASS						
1119'B'+00	-	1146'B'+50	5	5	50	--
1146'B'+50	-	1178'B'+00	--	--	--	--
1178'B'+00	-	1209'B'+50	--	--	--	--
1209'B'+50	-	1241'B'+00	--	--	--	--
1241'B'+50	-	1272'B'+50	--	--	--	--
1272'B'+50	-	1304'B'+00	--	--	--	--
1304'B'+00	-	1335'B'+50	15	15	150	3450
1335'B'+50	-	1367'B'+00	18	18	175	2670
1367'B'+00	-	1398'B'+50	--	--	--	--
1398'B'+50	-	1431'B'+00	--	--	--	--
UNDISTRIBUTED			12	12	100	--
PROJECT TOTAL			**50**	**50**	**475**	**6120**

Standard Detail Drawing List

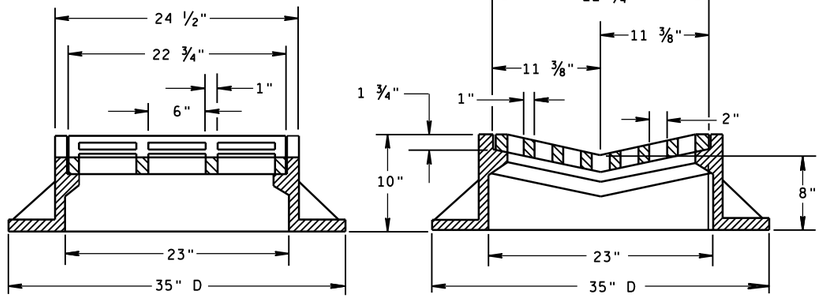
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
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
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D15-05B	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
09B02-10	CONDUIT
09B04-11	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
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"
14B28-04A	GUARDRAIL MOW STRIP
14B28-04B	GUARDRAIL MOW STRIP
14B33-02D	CONCRETE BARRIER SINGLE SLOPE 36" THRIE BEAM ANCHOR
14B33-02E	CONCRETE BARRIER SINGLE SLOPE 36" THRIE BEAM ANCHOR
14B33-02F	CONCRETE BARRIER SINGLE SLOPE 36" THRIE BEAM ANCHOR
14B34-02A	32", 36" & 42" CONCRETE BARRIER SINGLE SLOPE CLASS B
14B34-02B	56" CONCRETE BARRIER SINGLE SLOPE CLASS B
14B34-02C	CONCRETE BARRIER SINGLE SLOPE CLASS B
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-03A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

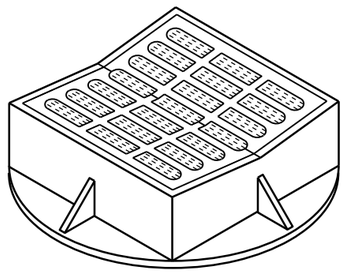
6

Standard Detail Drawing List

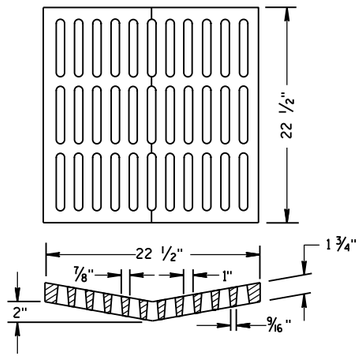
14B47-03D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-07B	BARRIER WALL DELINEATOR WITH REFLECTIVE SHEETING
15A04-07E	DELINEATOR POST WITH REFLECTIVE SHEETING
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08D	ON RAMP LANE CLOSURE
15C02-08E	OFF RAMP LANE CLOSURE
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
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)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-08	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-05C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-06C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C20-02	YIELD MARKING
15C29-07A	BICYCLE LANE MARKING
15C31-04A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15C31-04B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-04C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C31-04D	PAVEMENT MARKING SERVICE INTERCHANGE LANE DROP AND LANE REDUCTION MARKING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-09A	TRAFFIC CONTROL, LANE CLOSURE
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
15D16-04	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D20-05B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED 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
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-02B	TRAFFIC CONTROL, FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D40-02C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-02D	TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D47-01B	TRAFFIC CONTROL, INGRESS/EGRESS WITHOUT BARRIER
15D50-01A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT

6



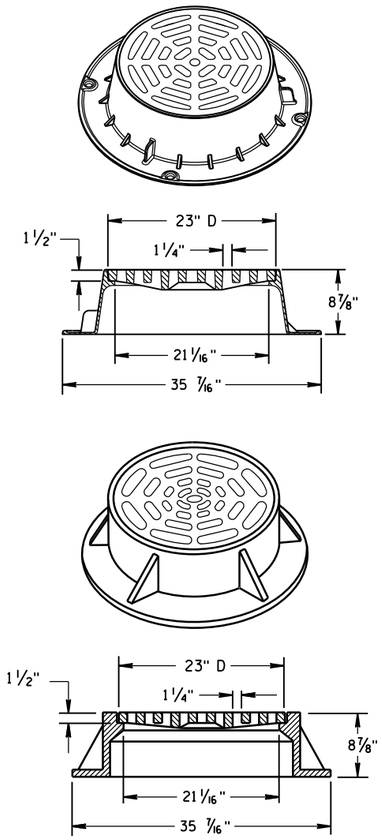


TYPE "B"



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"

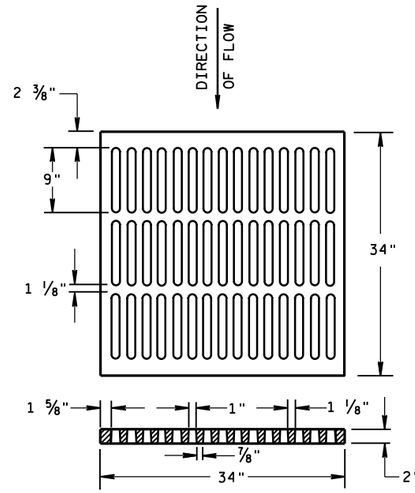
NOTE: EITHER CASTING IS ACCEPTABLE

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.

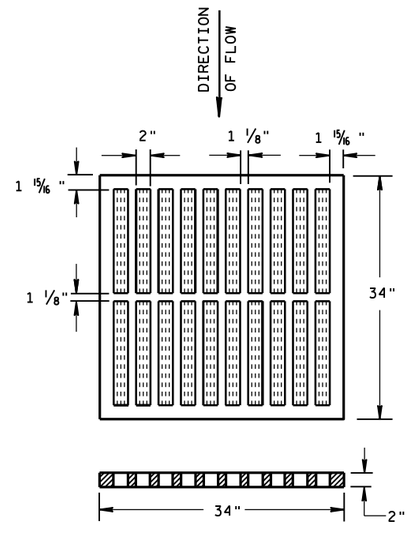
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



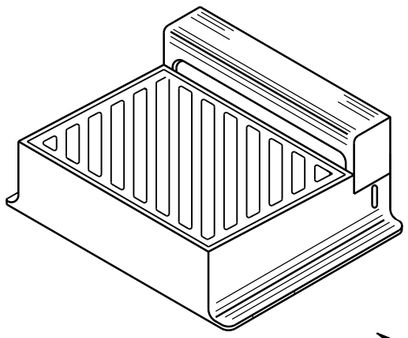
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

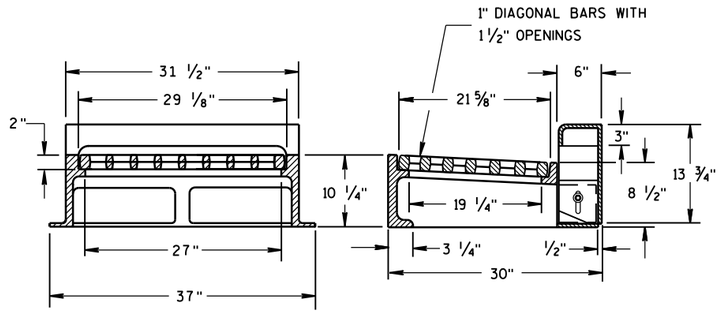


TYPE "MS"

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"

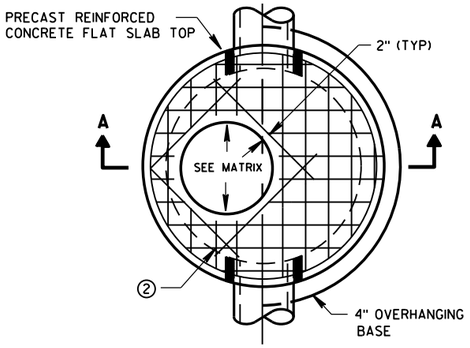
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

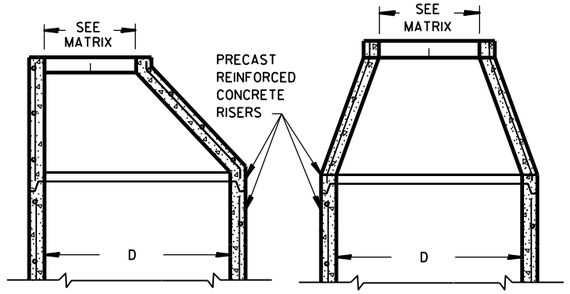
APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-19b

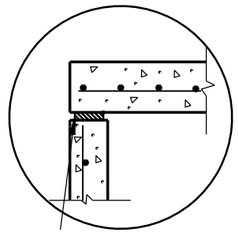


PLAN VIEW CIRCULAR OPENING

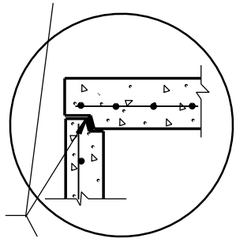


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

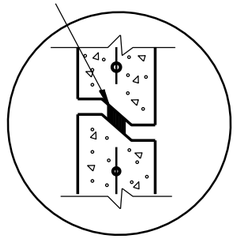


TOP WITH PLAIN END JOINT



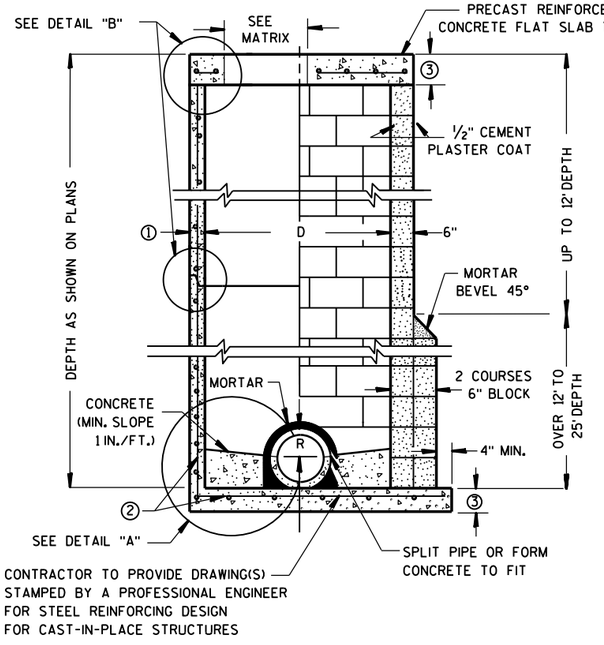
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



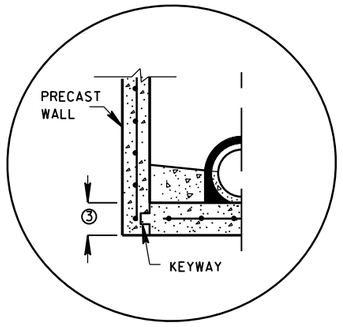
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

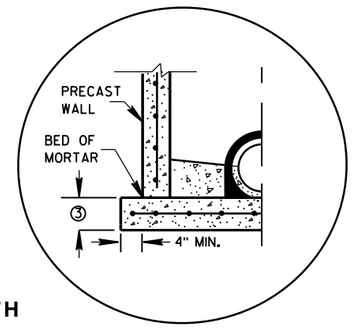


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

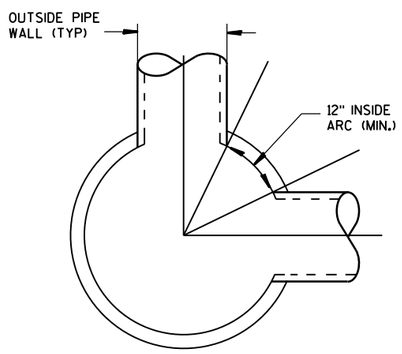


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

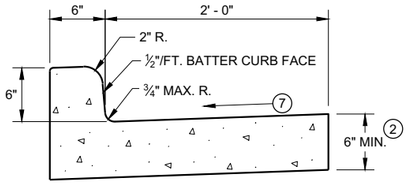
APPROVED

Sept., 2016
DATE

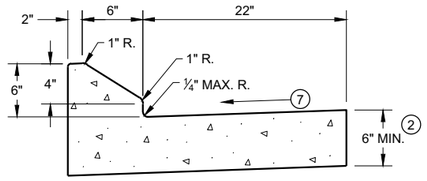
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

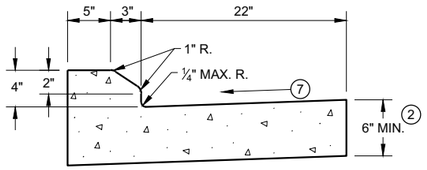
6
S.D.D. 8 B 9-2



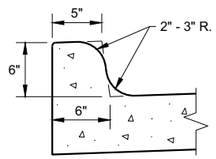
TYPES A (1) & D



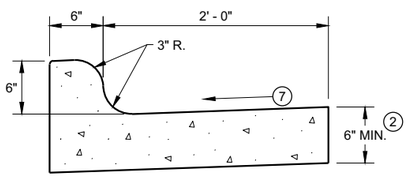
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

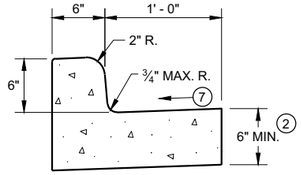


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



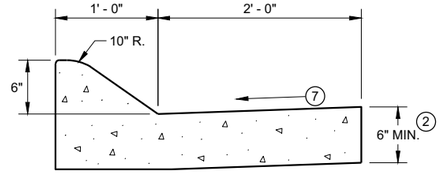
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

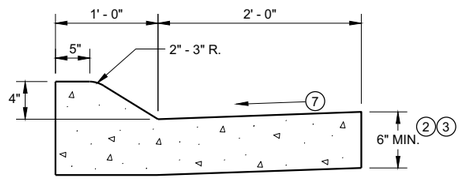


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

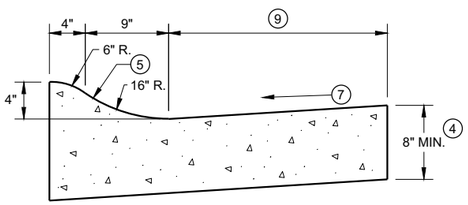


6" SLOPED CURB TYPES A (1) & D



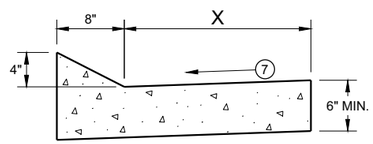
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

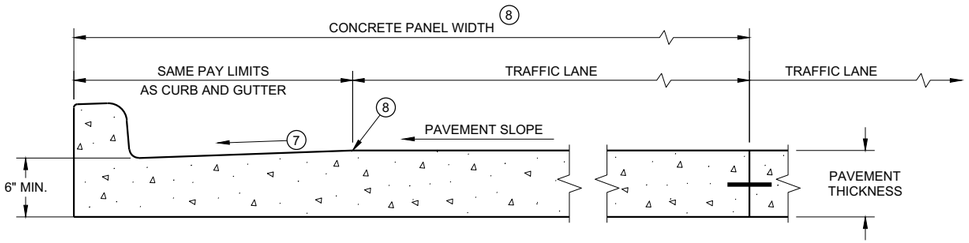


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

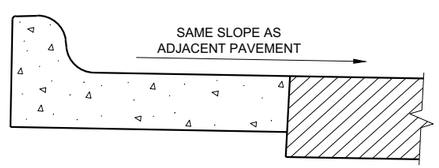
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

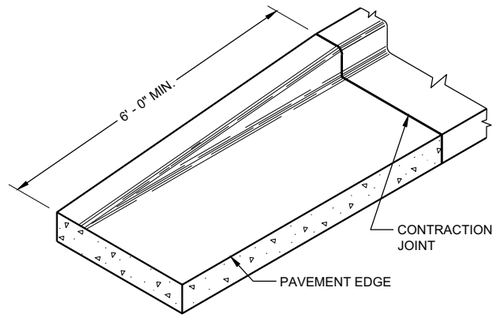
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

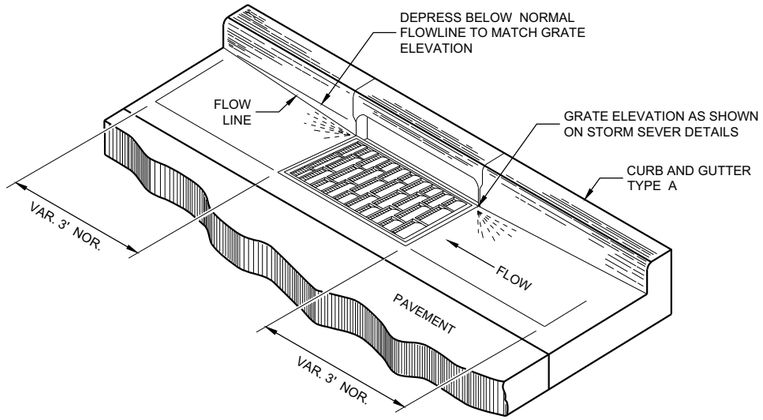
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 22a
SDD 08D01 - 22a



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.

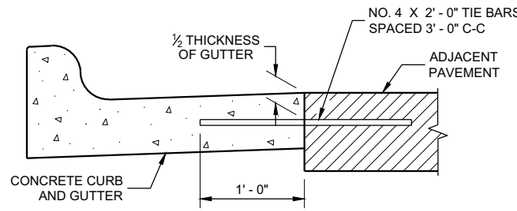
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

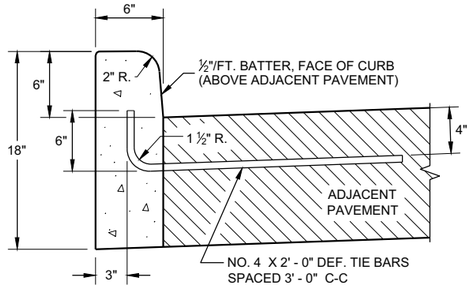
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

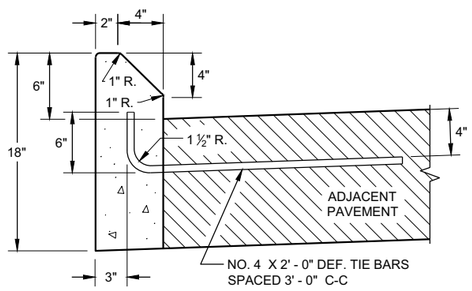
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

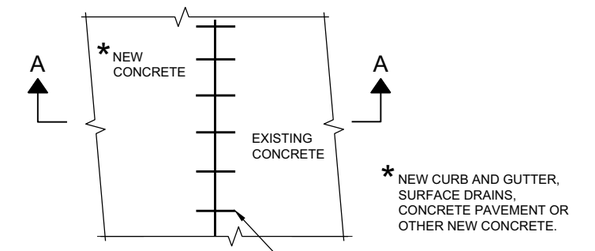


TYPES A (1) & D

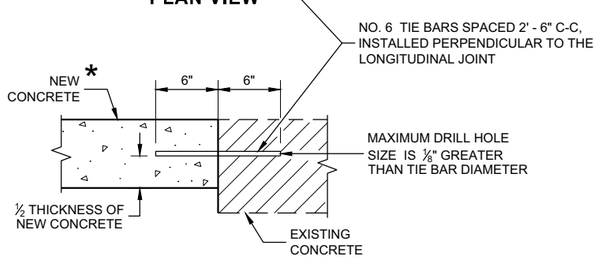


TYPES G (1) & J

CONCRETE CURB

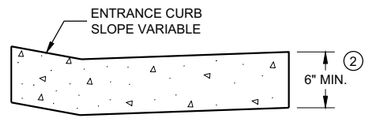


PLAN VIEW



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

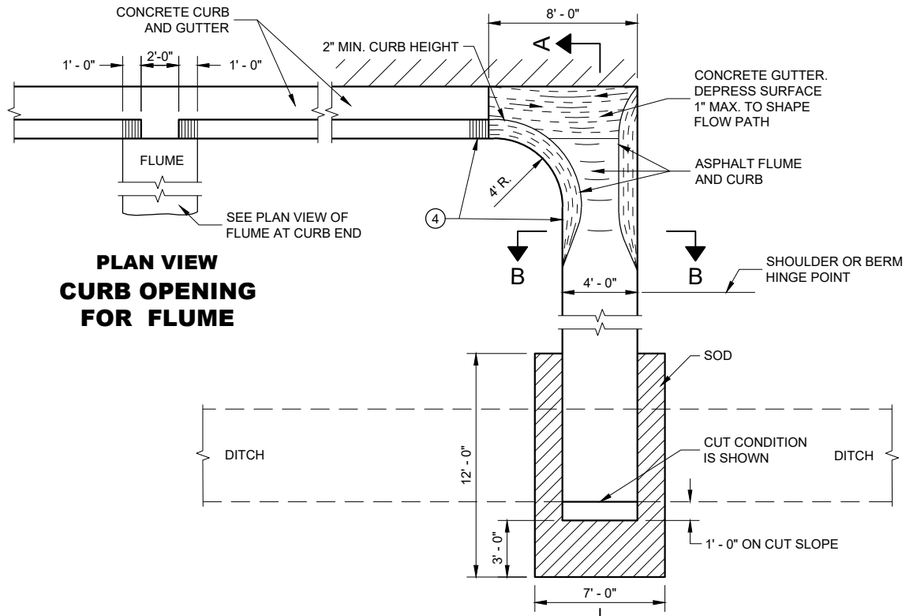
FHWA

6

SDD08D01 - 22b

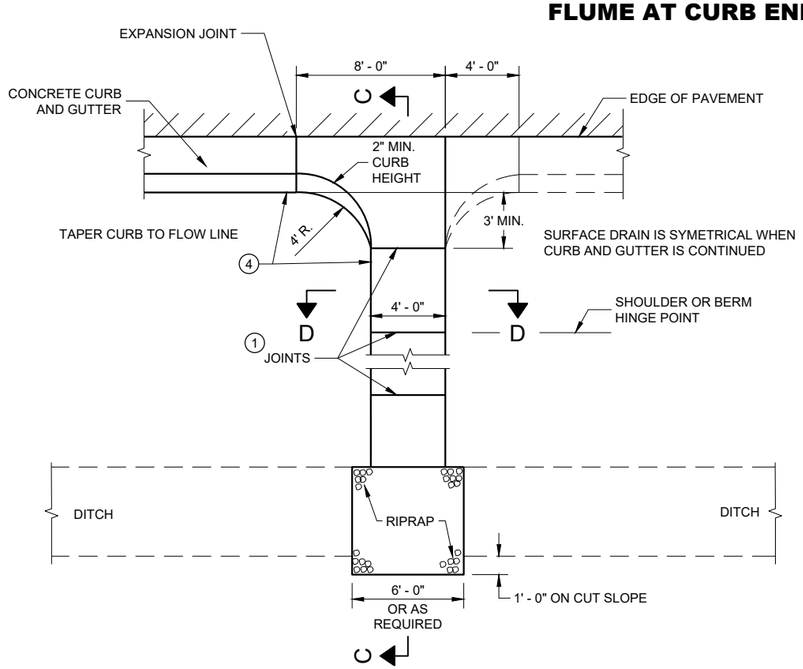
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



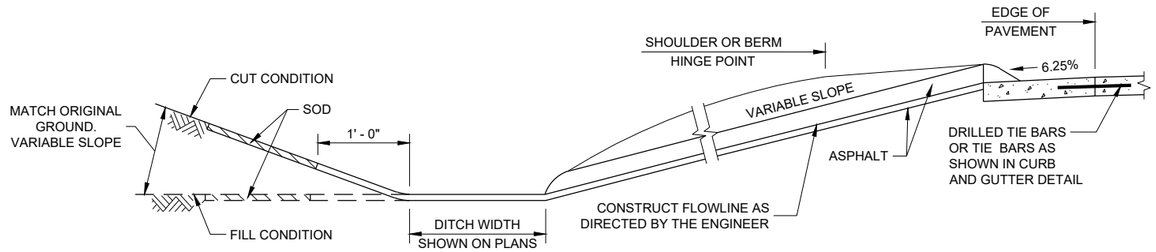
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

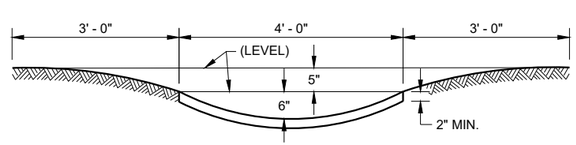
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

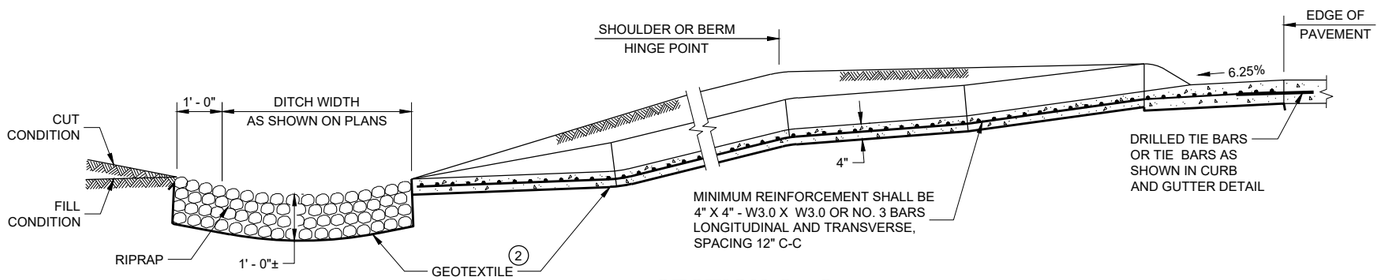
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.



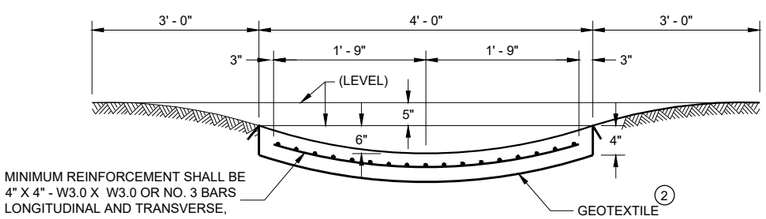
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

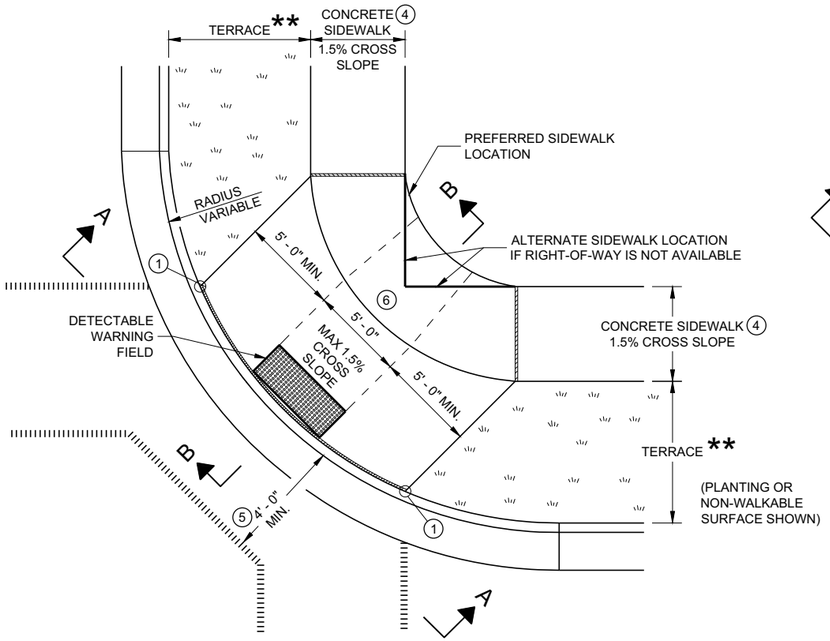
FHWA

6

SDD 08D04 - 06

6

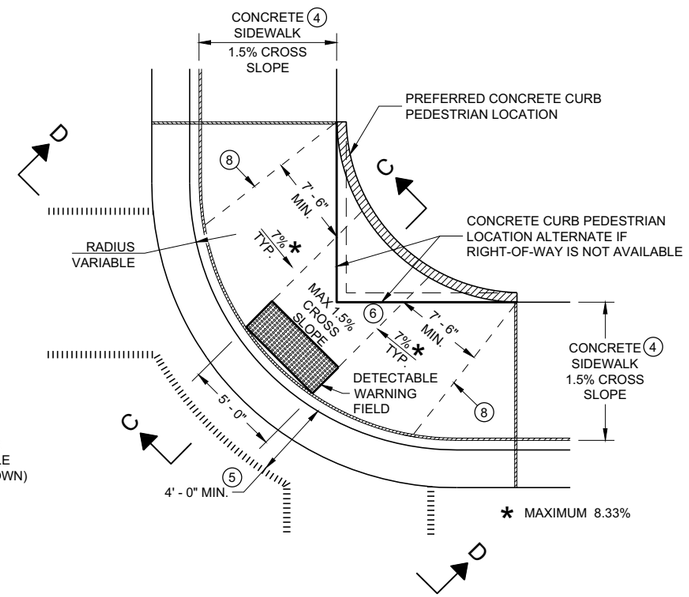
SDD 08D04 - 06



PLAN VIEW

CURB RAMP TYPE 1

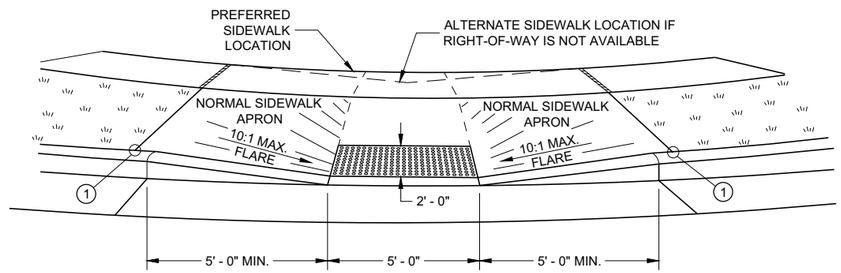
(CENTER OF CORNER RADIUS)



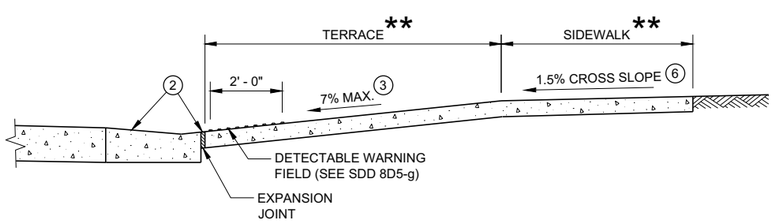
PLAN VIEW

CURB RAMP TYPE 1 - A

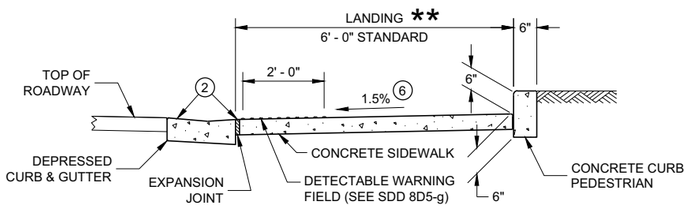
(NO TERRACE)



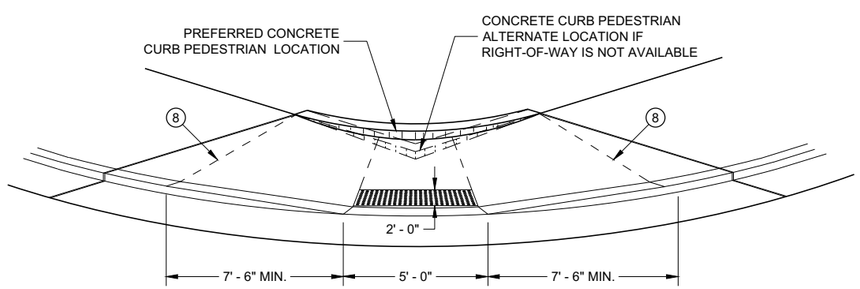
VIEW A - A FOR TYPE 1



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

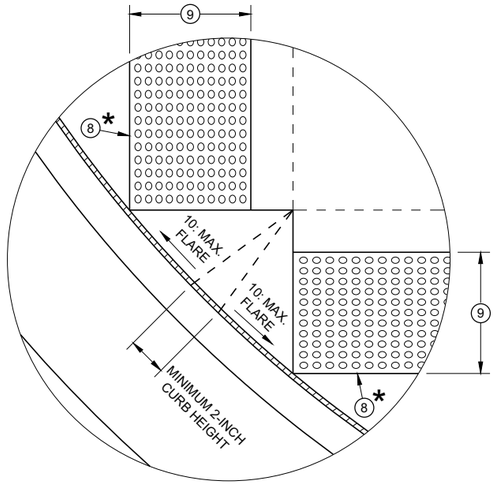
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

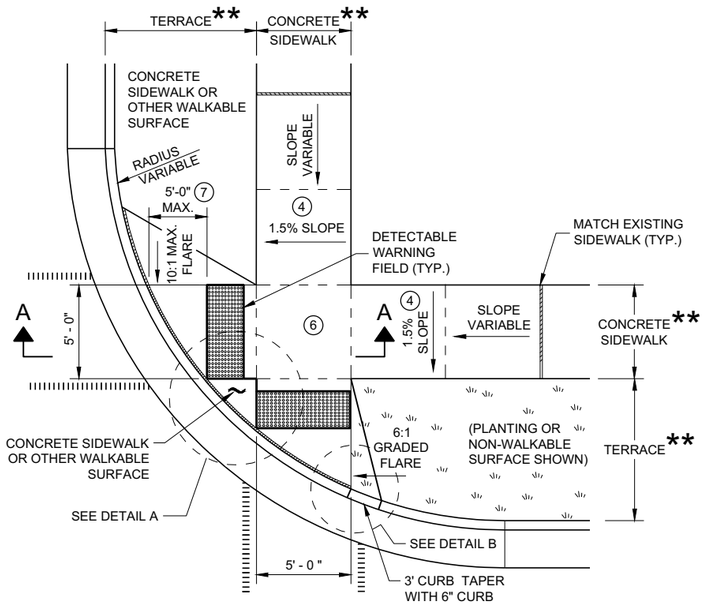
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

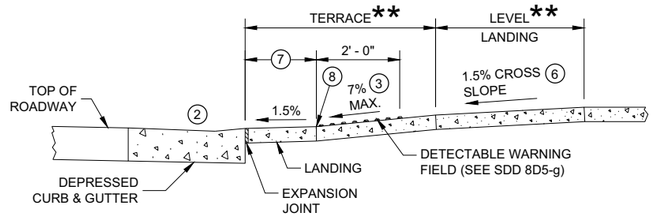
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

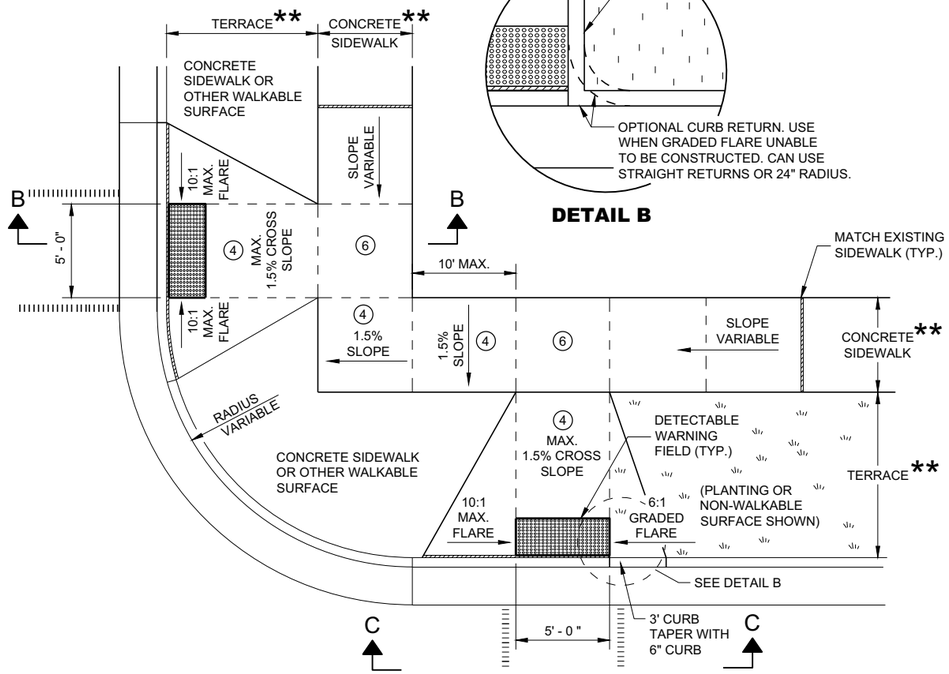
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



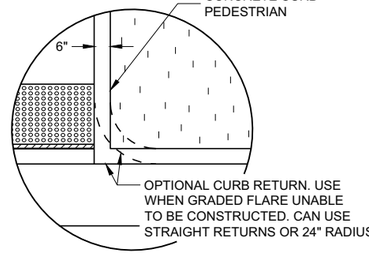
SECTION A - A FOR TYPE 2

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

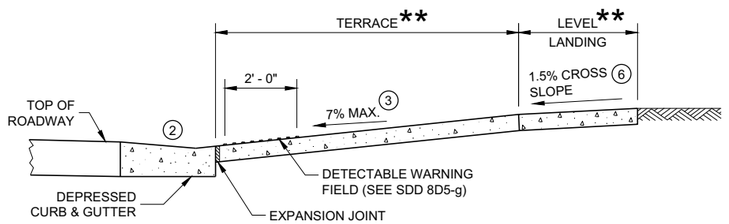
** WIDTH SHOWN ELSEWHERE IN THE PLANS



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



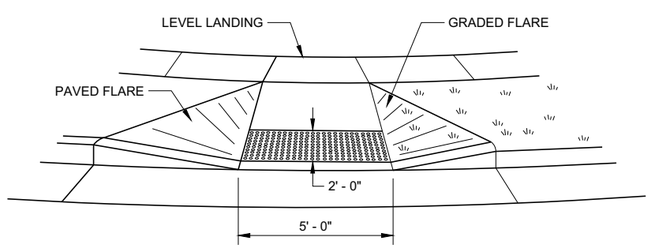
DETAIL B



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



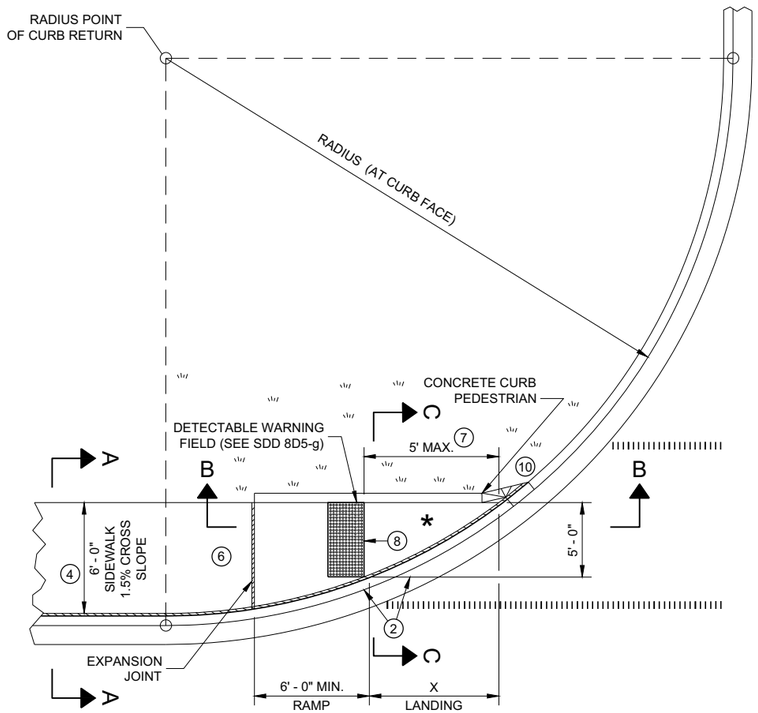
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

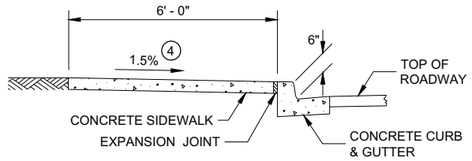


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

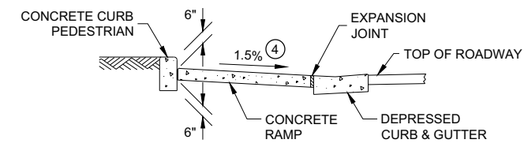
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

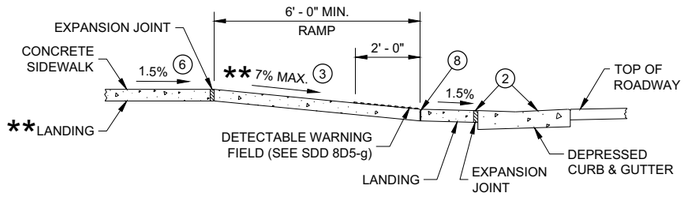
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



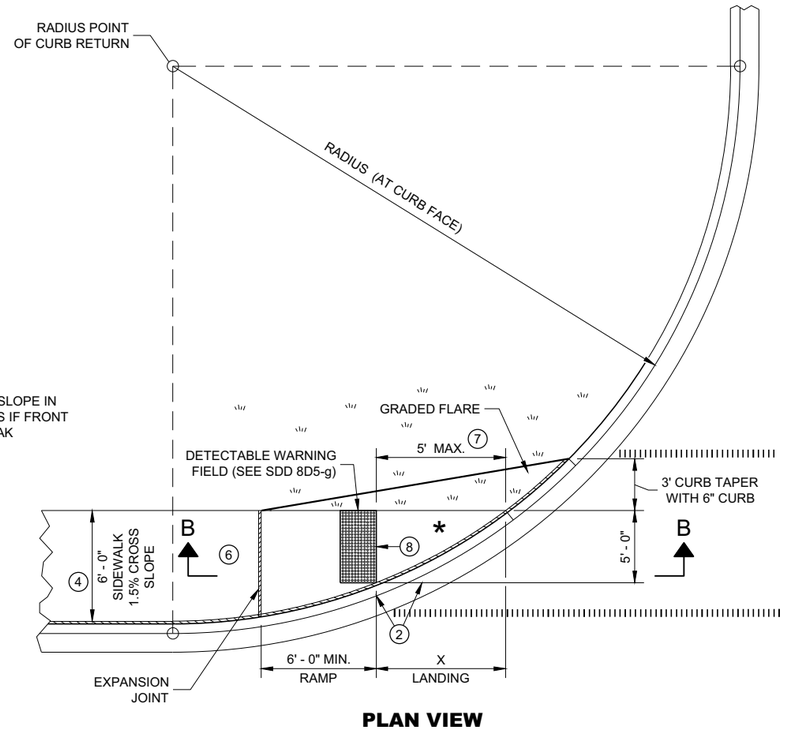
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

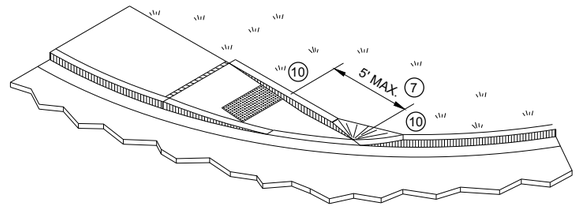
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

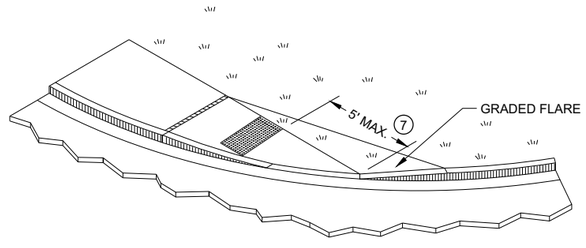


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



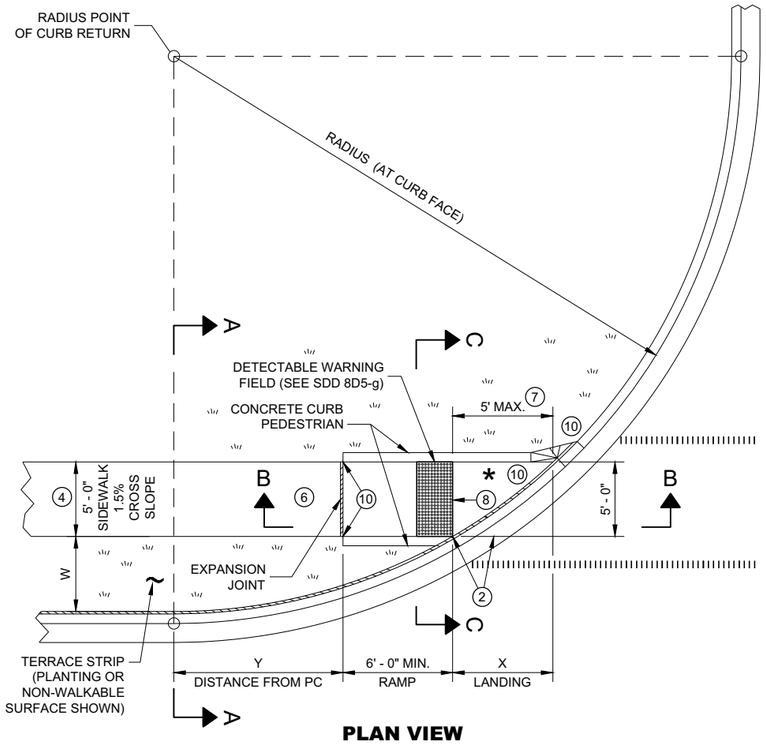
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

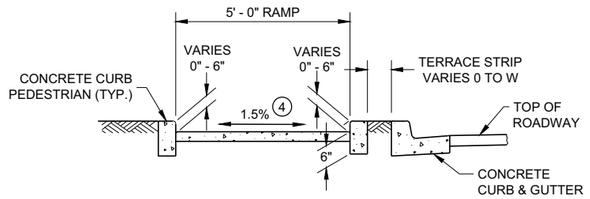
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

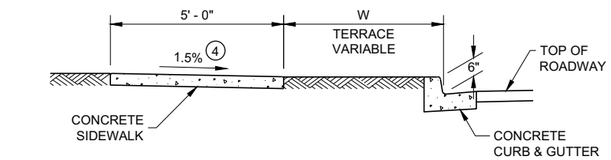
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

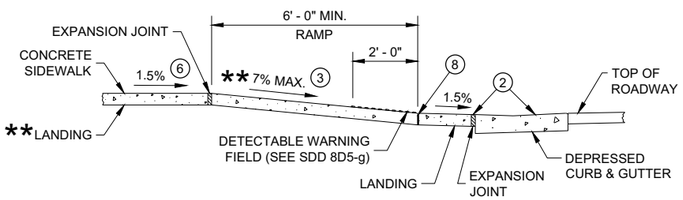
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



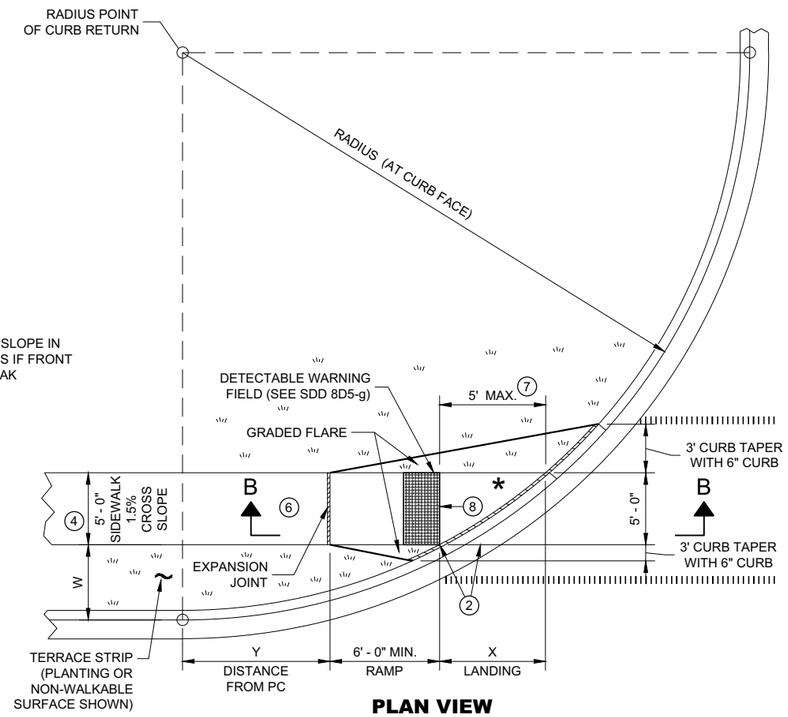
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

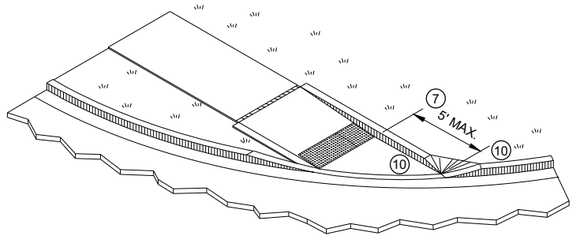
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

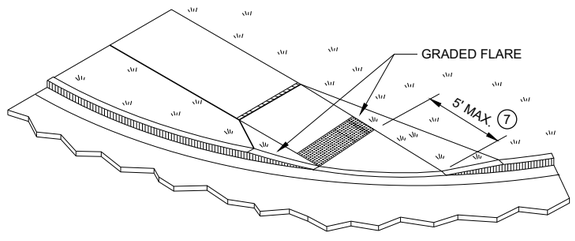


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



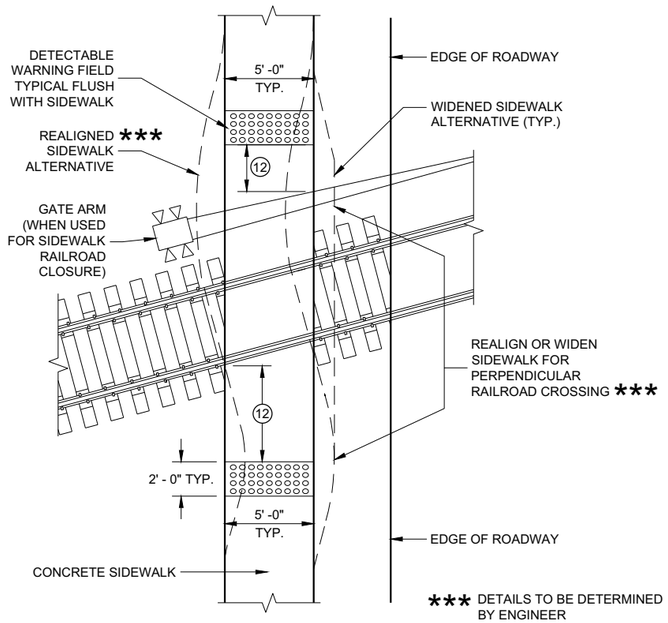
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

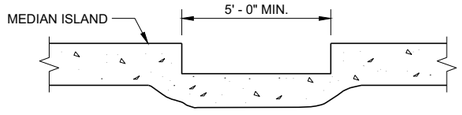
6

SDD 08D05 - 20d

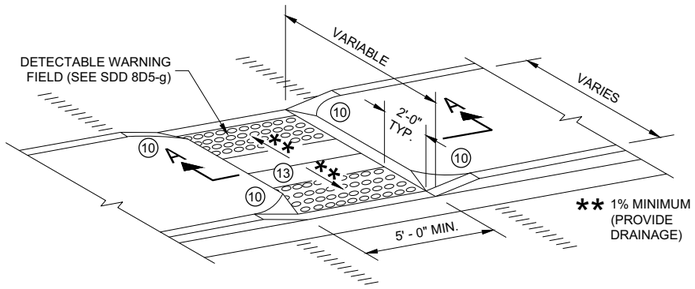


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 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.

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

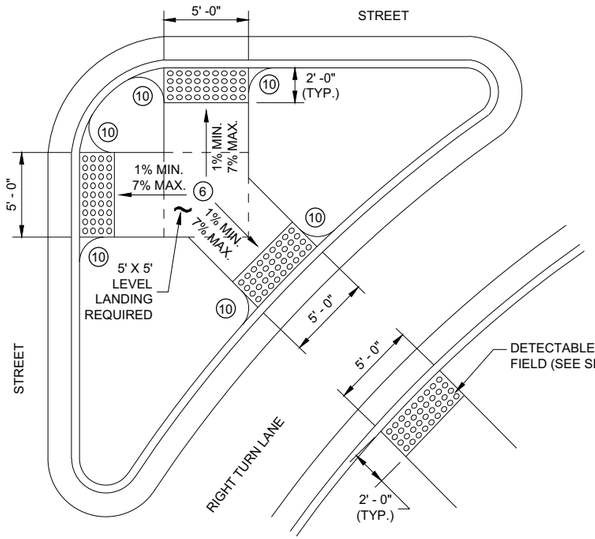
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

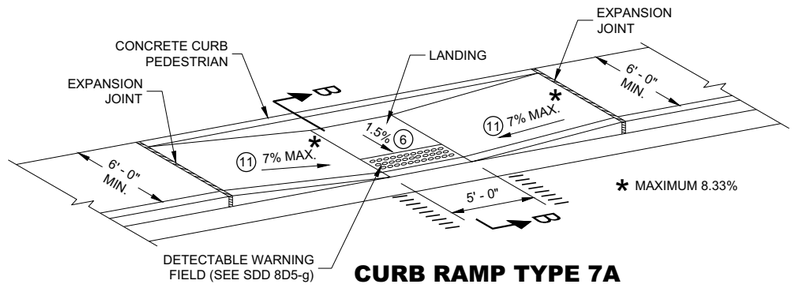
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

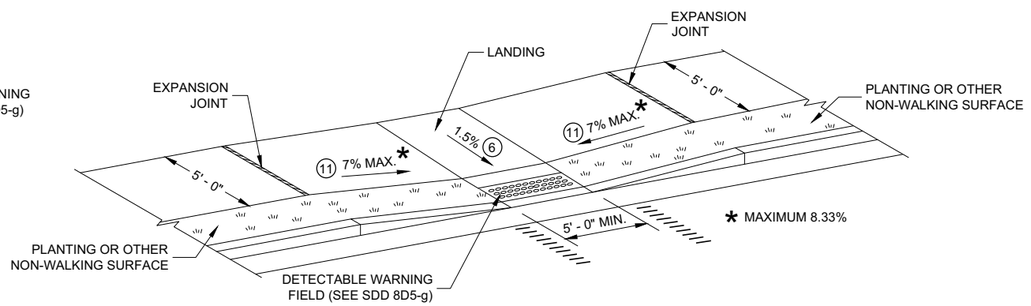
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

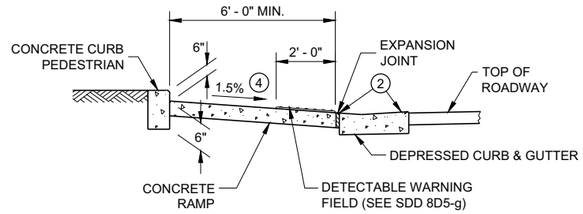
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

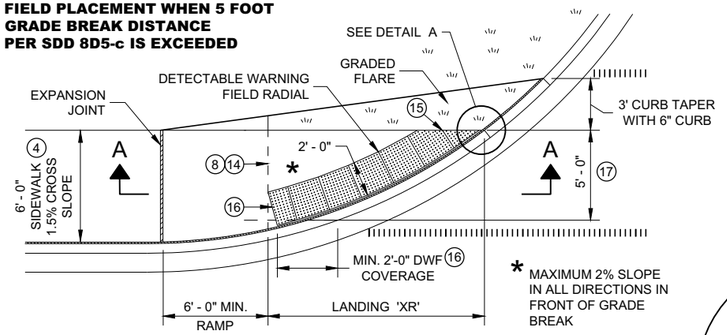
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

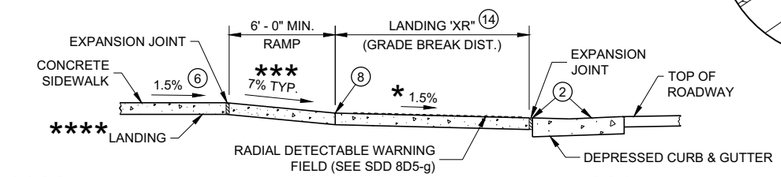
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

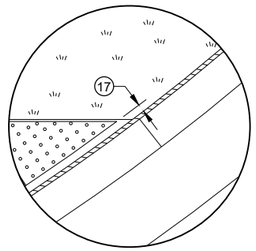
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

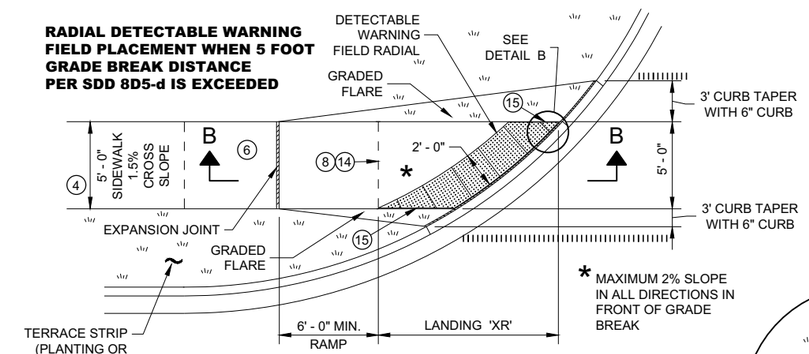
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

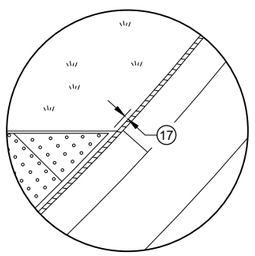
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



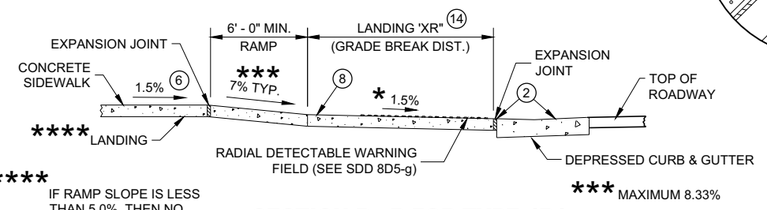
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

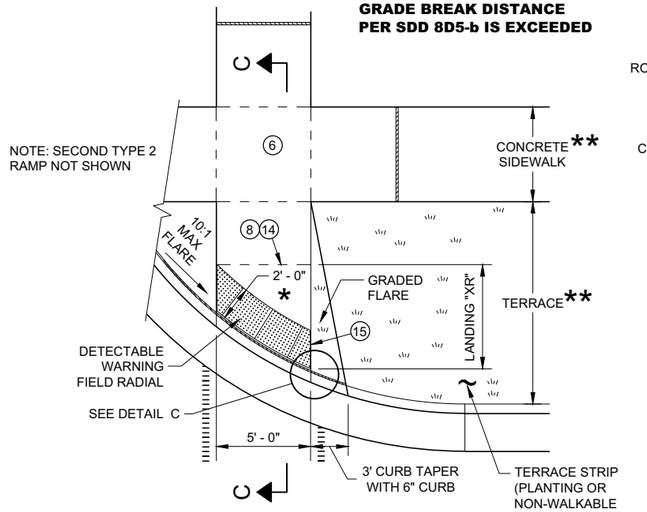


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

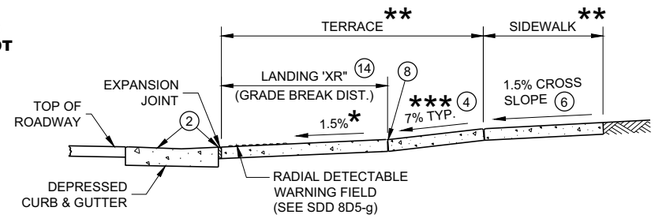


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

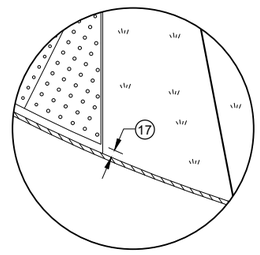


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

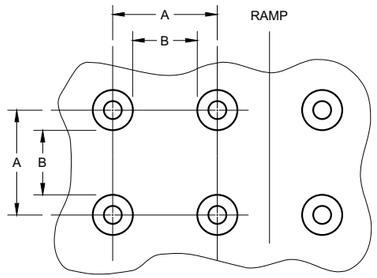
CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

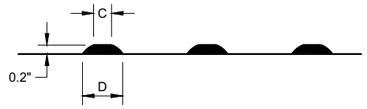
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

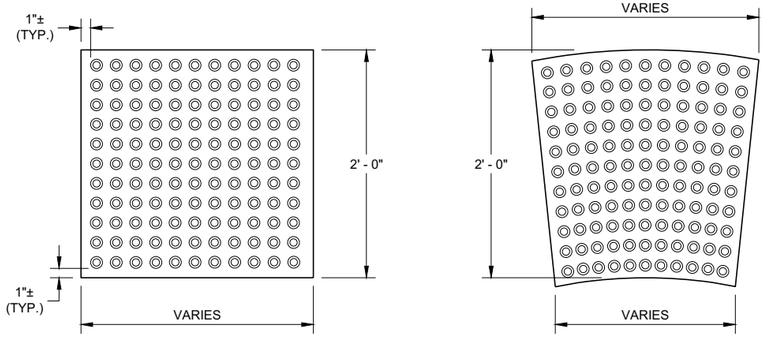


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

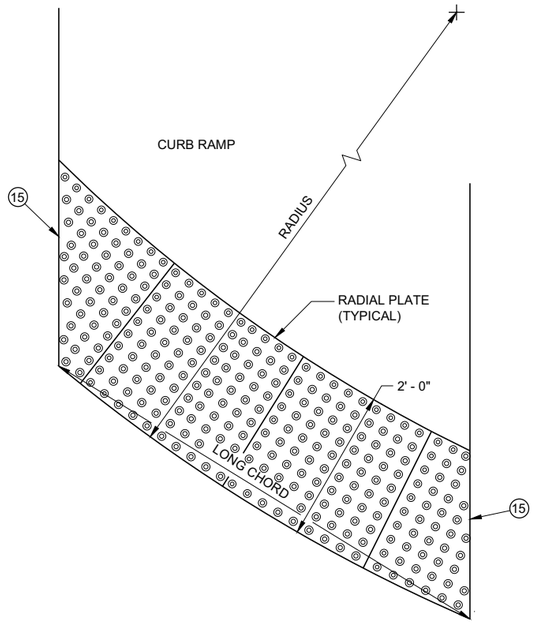
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

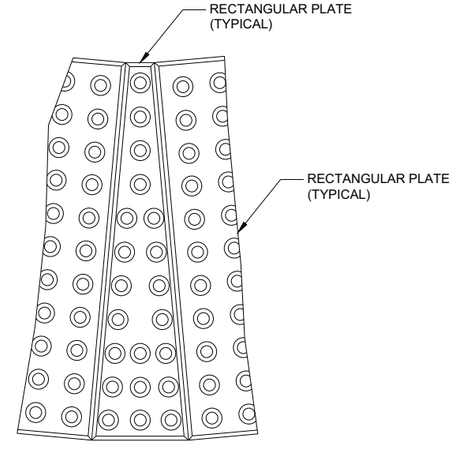
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

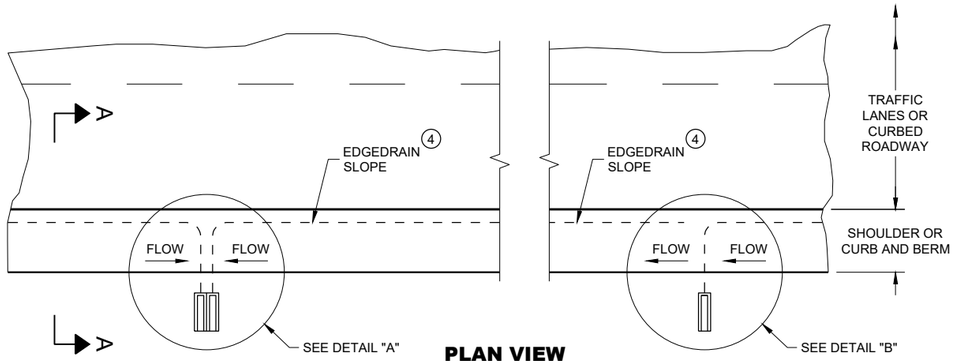
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

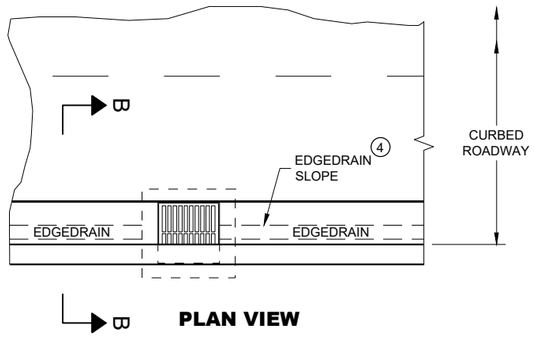
6

SDD 08D05 - 20g



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS
(EDGEDRAIN CONNECTS TO ROADSIDE) (2)



PLAN VIEW

ROADWAY WITH CURBS
(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)

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) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

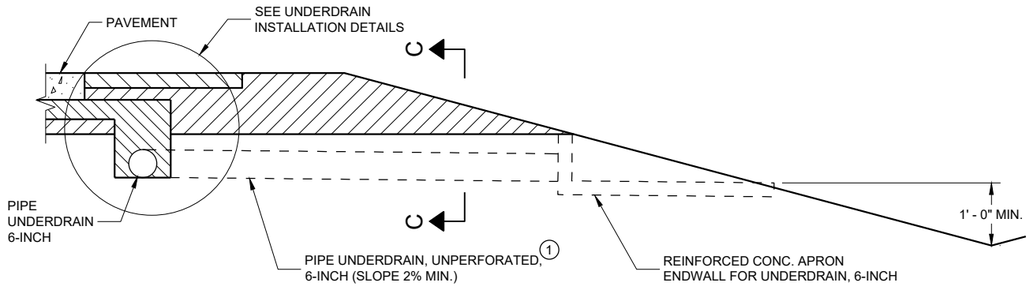
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

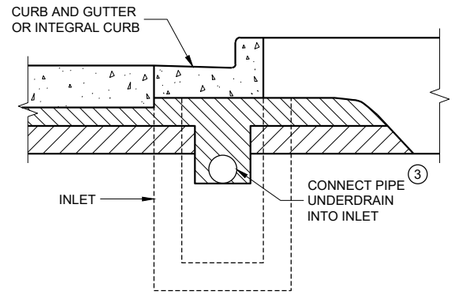
(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



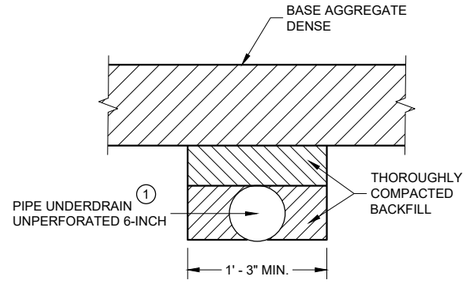
SECTION A - A

RURAL CROSS SECTION



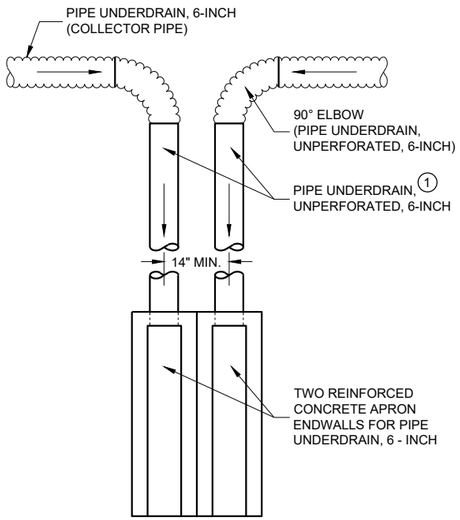
SECTION B - B

URBAN CROSS SECTION

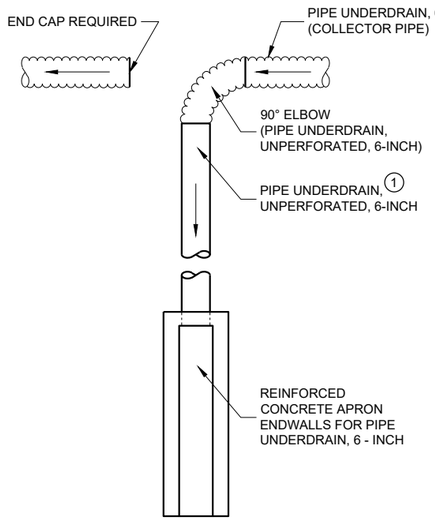


SECTION C - C

TRENCH FOR OUTFALL PIPE

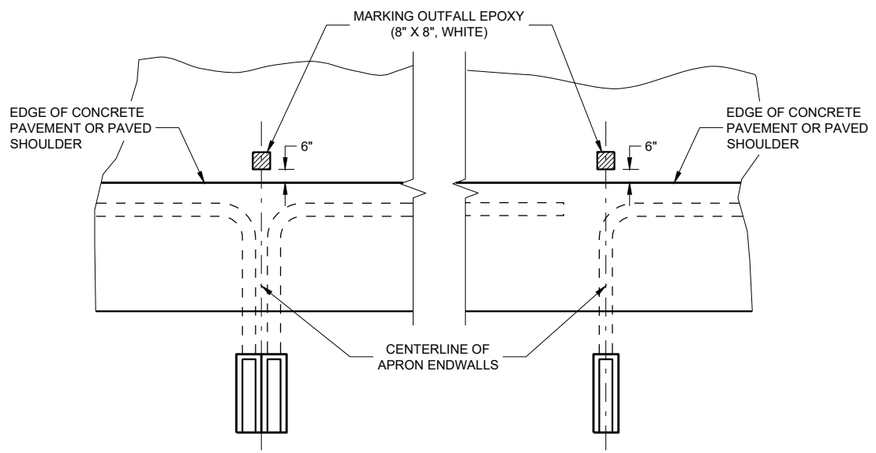


DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS



DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



LOW POINT LOCATIONS — INTERMEDIATE LOCATIONS

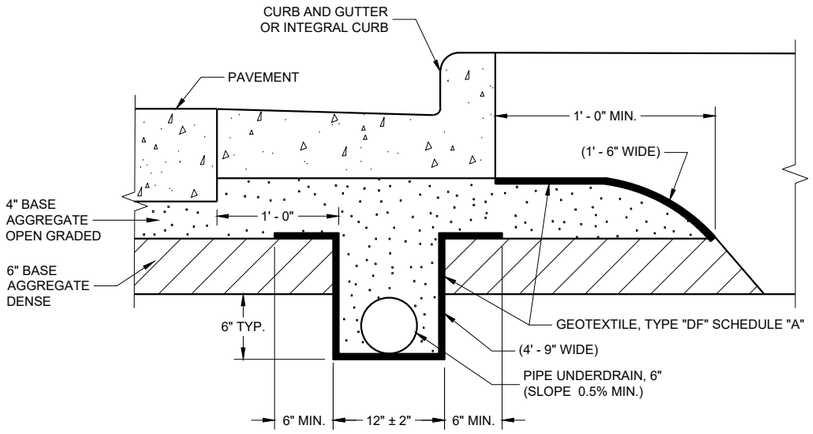
PAVEMENT MARKINGS FOR OUTFALL MARKERS

EDGEDRAIN OUTLET AND OUTFALL MARKERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD08D15 - 05a

SDD08D15 - 05a



EDGEDRAIN IN URBAN ROADWAY

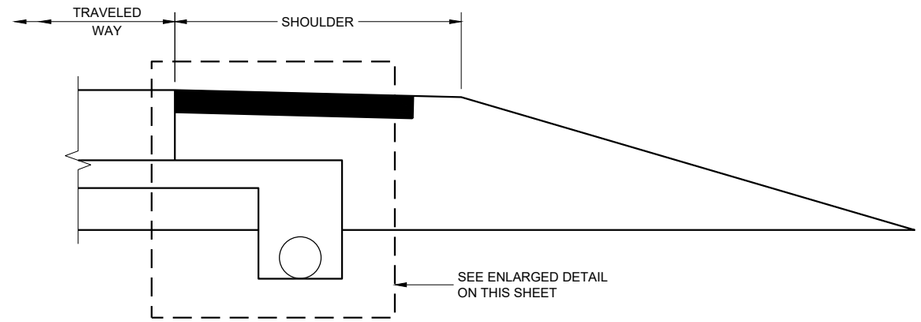
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

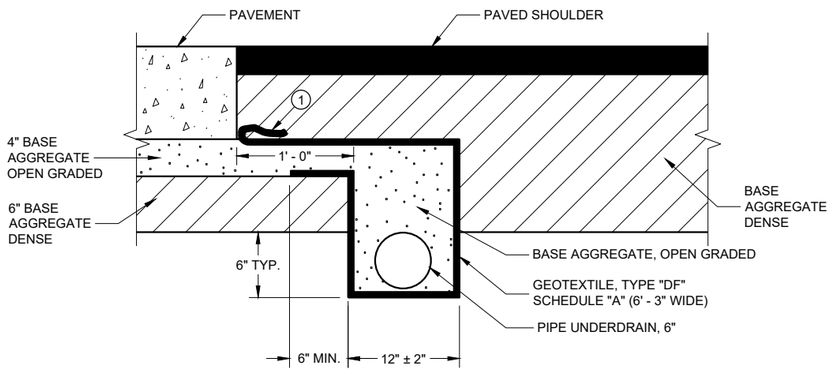
(1) FOLD OVER EXCESS GEOTEXTILE AT THIS LOCATION.

(2) TOTAL GEOTEXTILE WIDTH IS 6'-3" FOR PAYMENT.

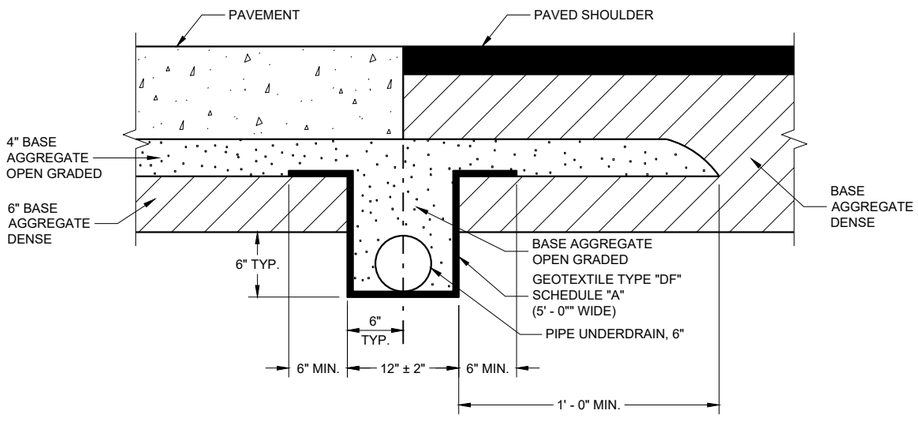


RURAL CROSS SECTION

6



POST PAVING INSTALLATION
(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

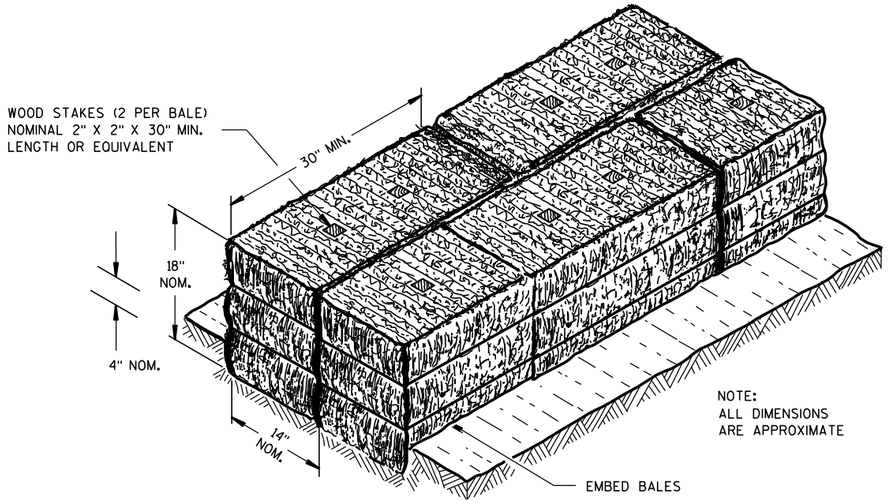
EDGEDRAIN IN RURAL ROADWAY

6

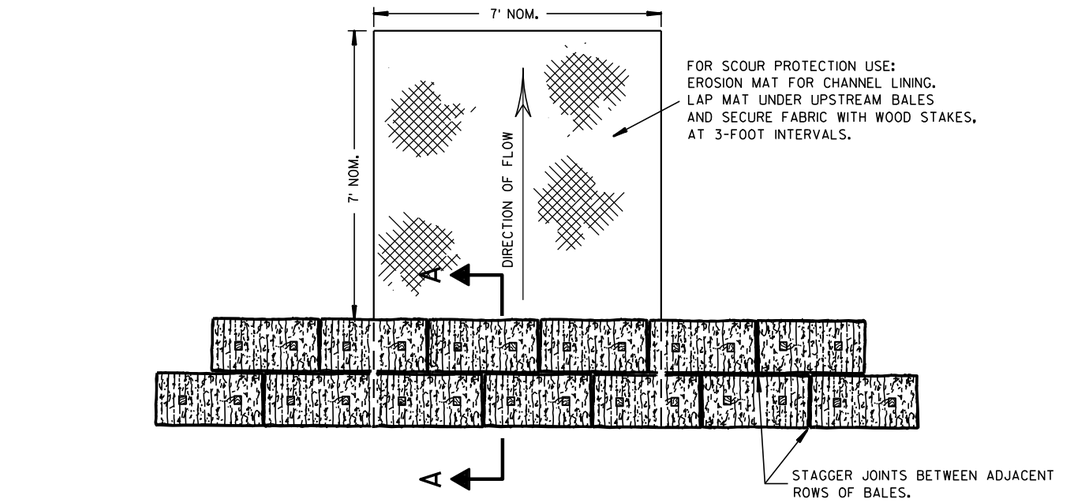
SDD 08D15 - 05b

EGEDRAIN AND BASE AGGREGATE OPEN GRADED

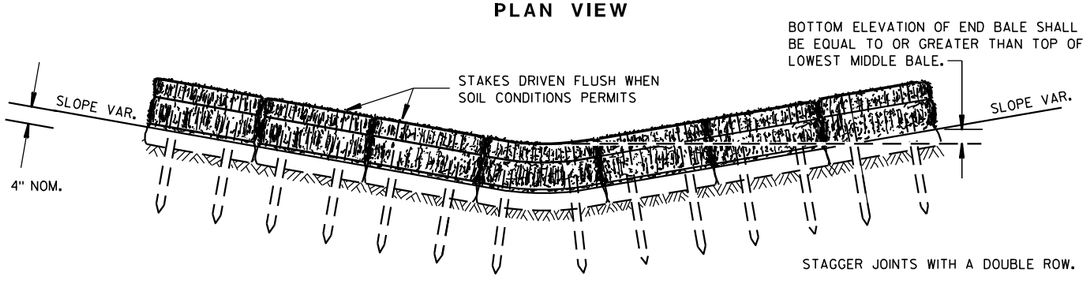
SDD 08D15 - 05b



SECTION A-A



PLAN VIEW



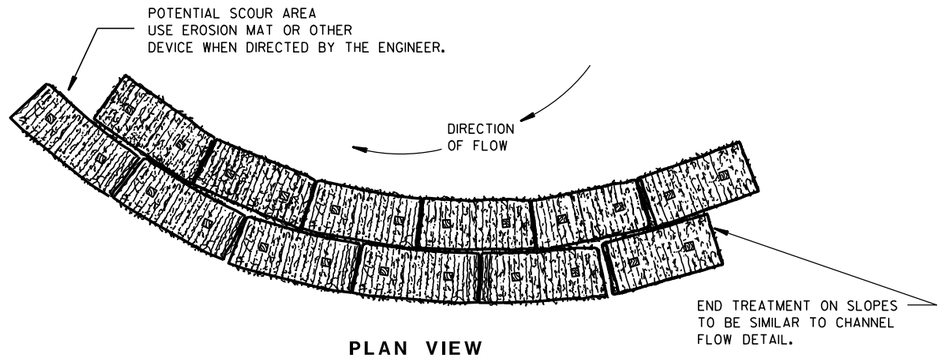
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

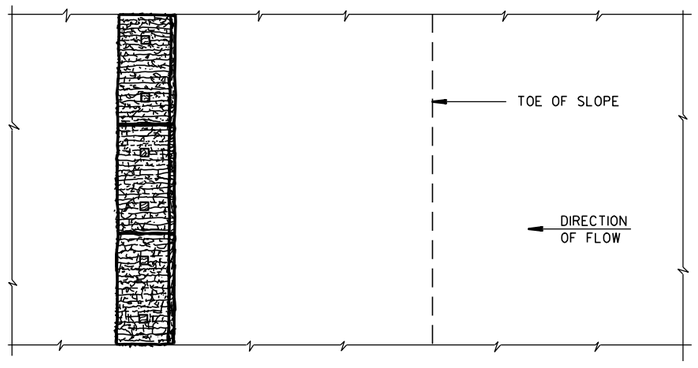
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

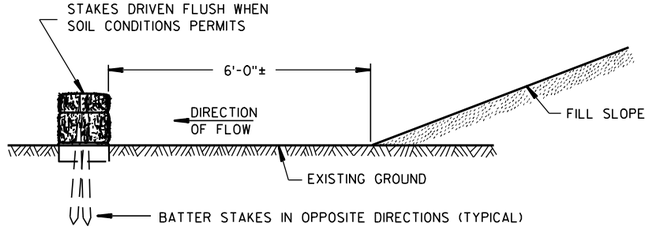


PLAN VIEW

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

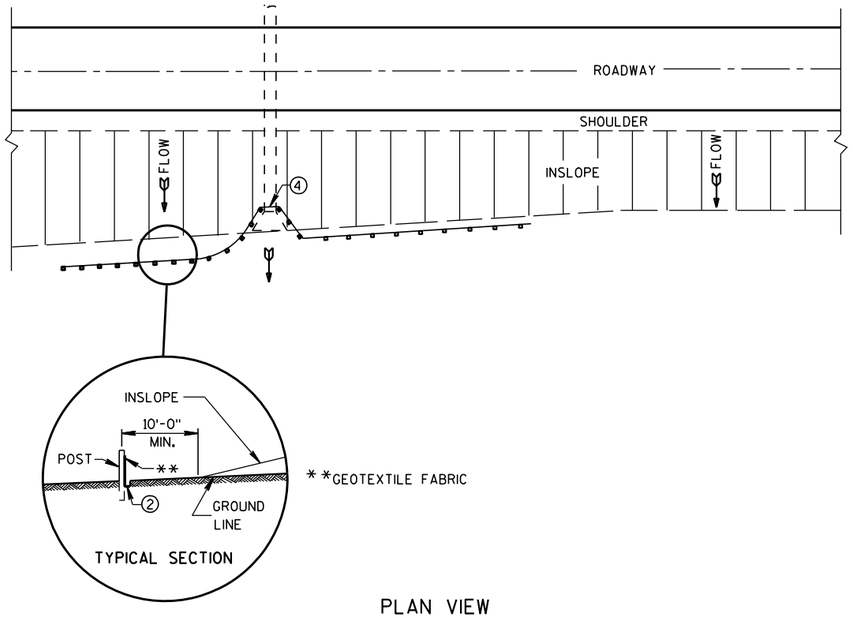
FHWA

6

S.D.D. 8 E 8-3

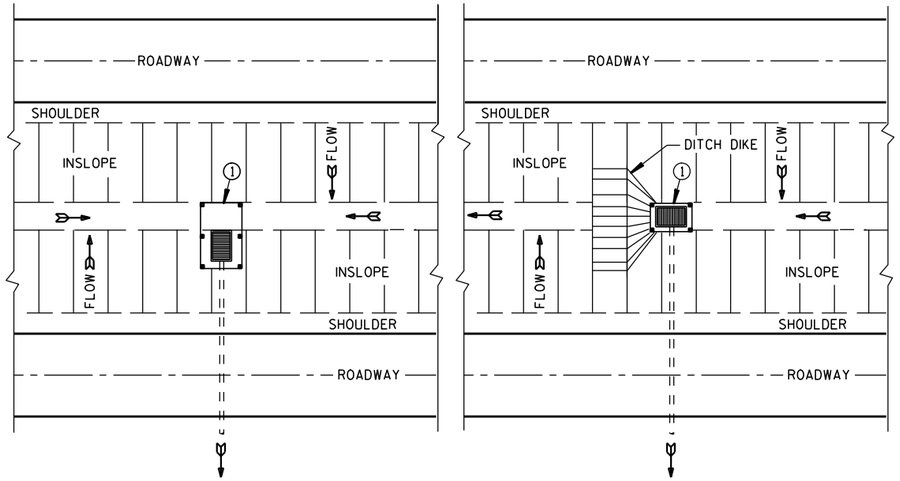
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



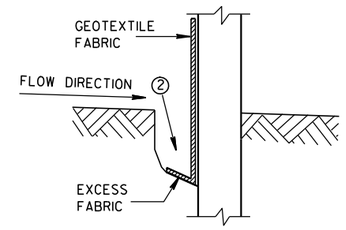
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

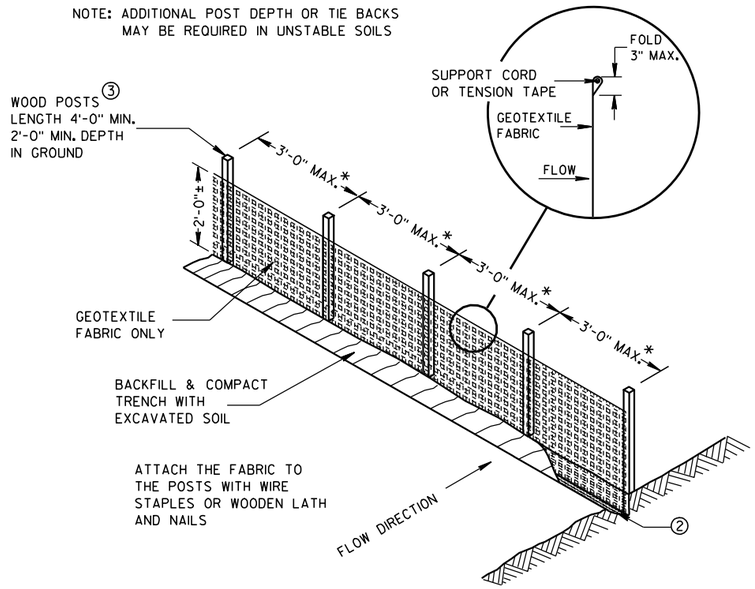
GENERAL NOTES

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.

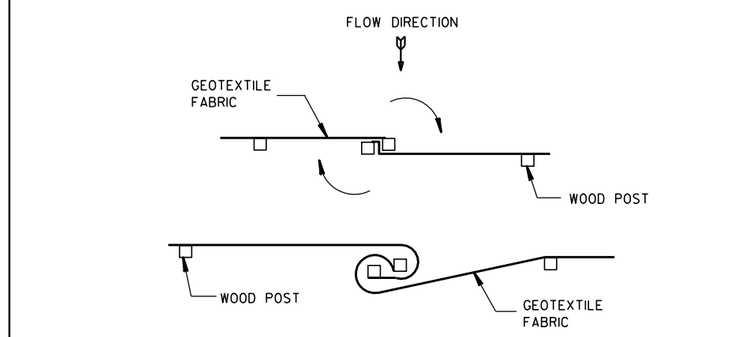


TRENCH DETAIL

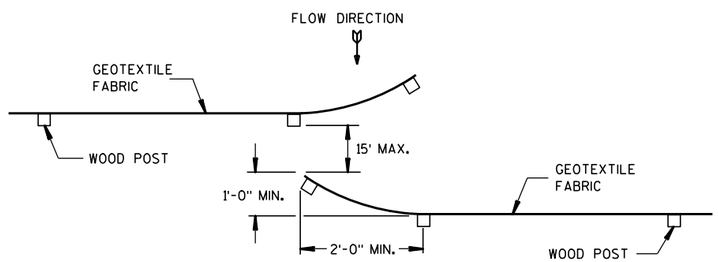


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

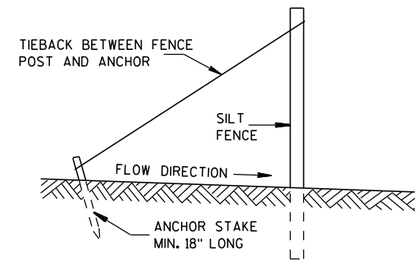


TWIST METHOD



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

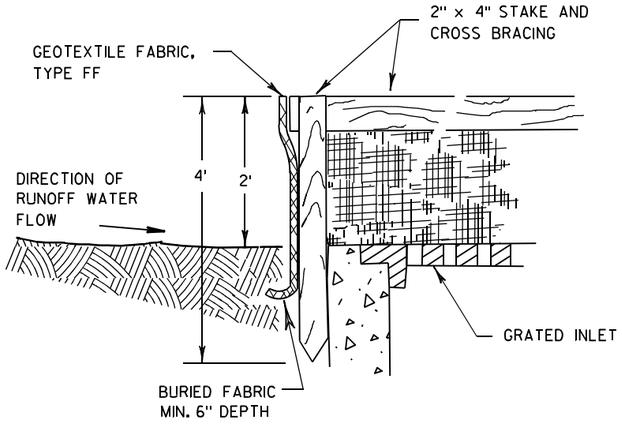
389

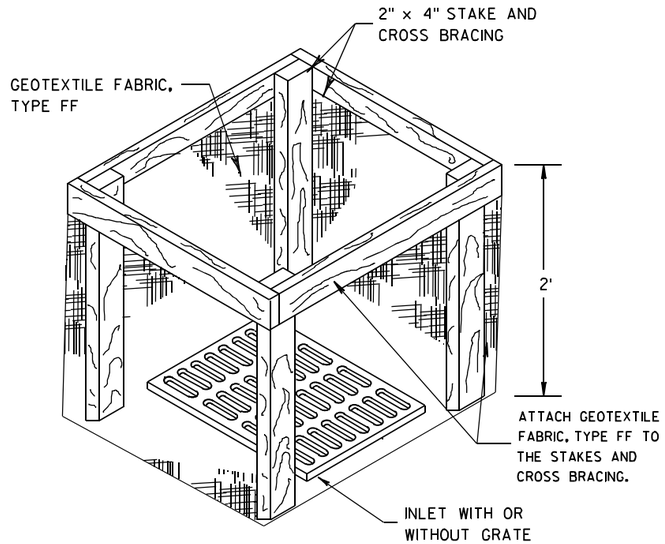
6

S.D.D. 8 E 9-6

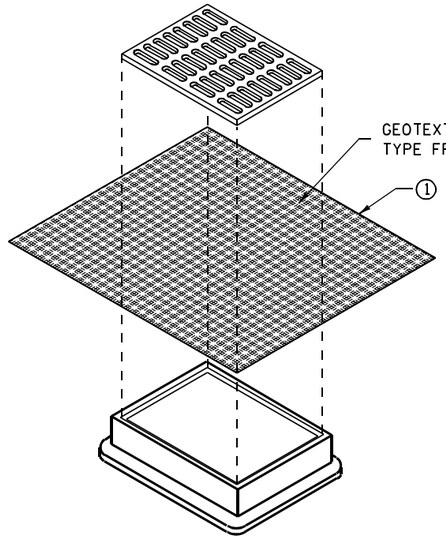
6

S.D.D. 8 E 9-6



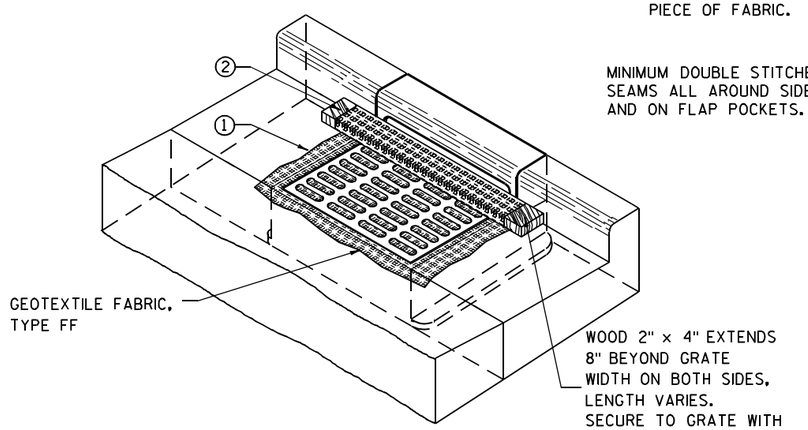


INLET PROTECTION, TYPE A

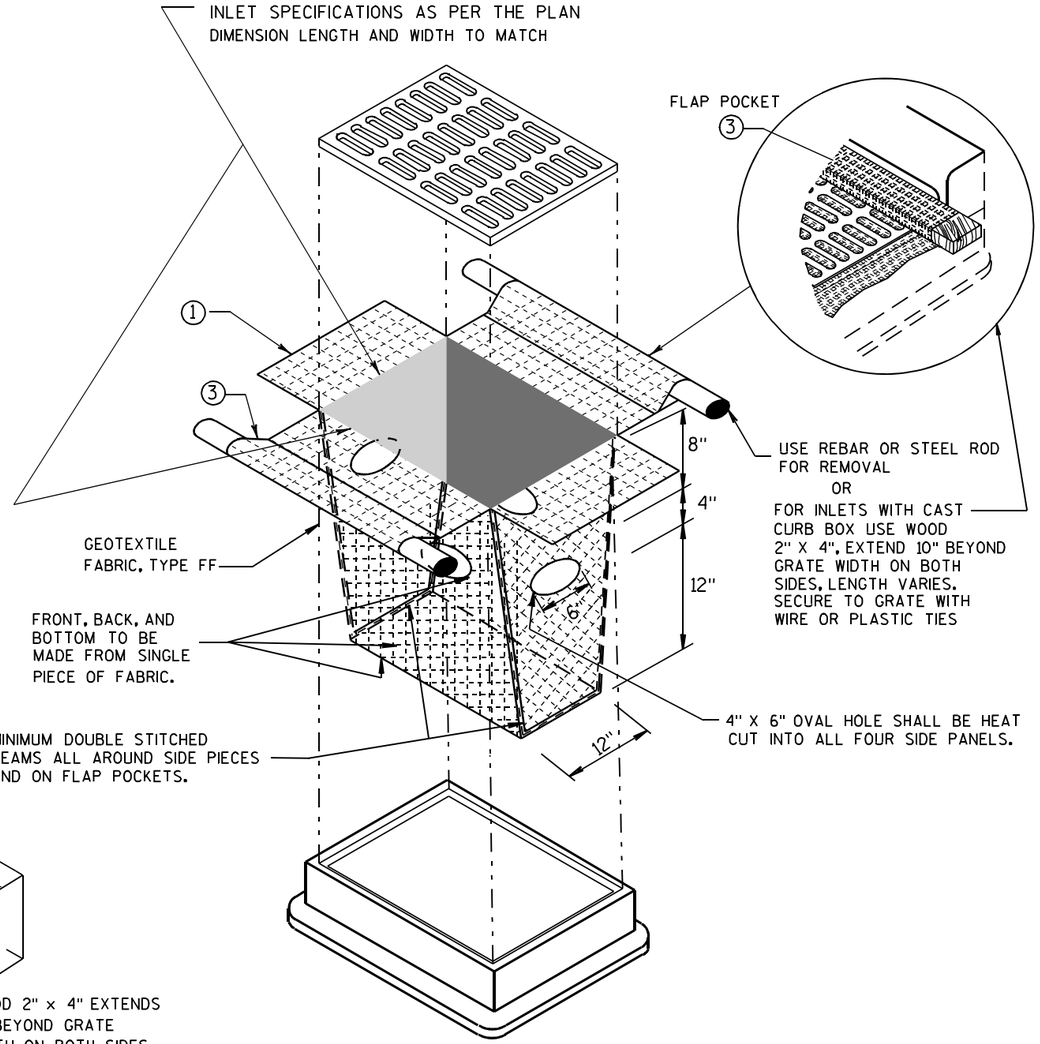


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

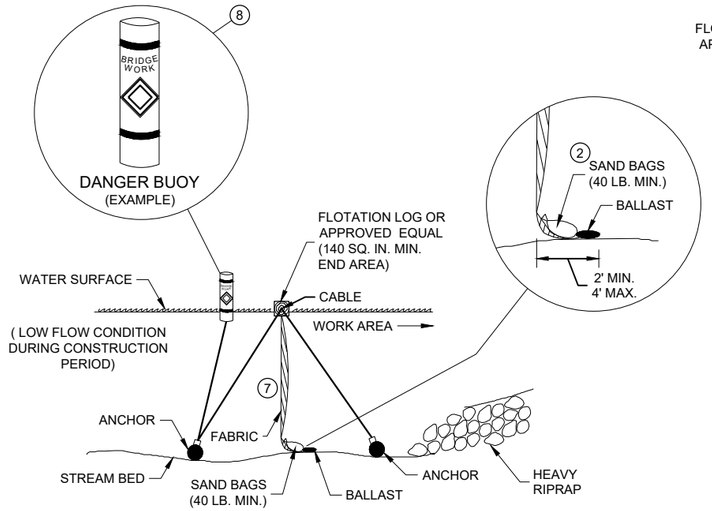
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

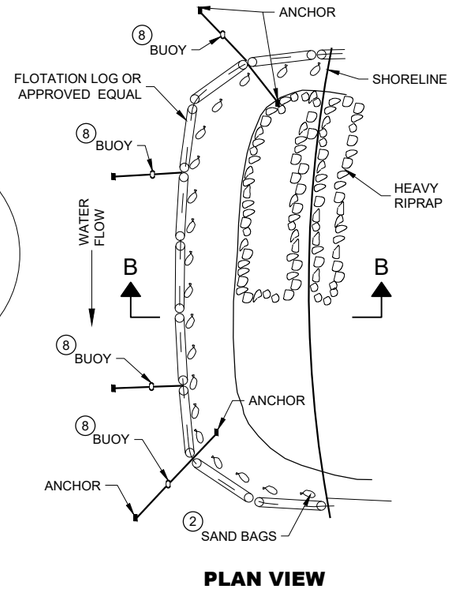
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

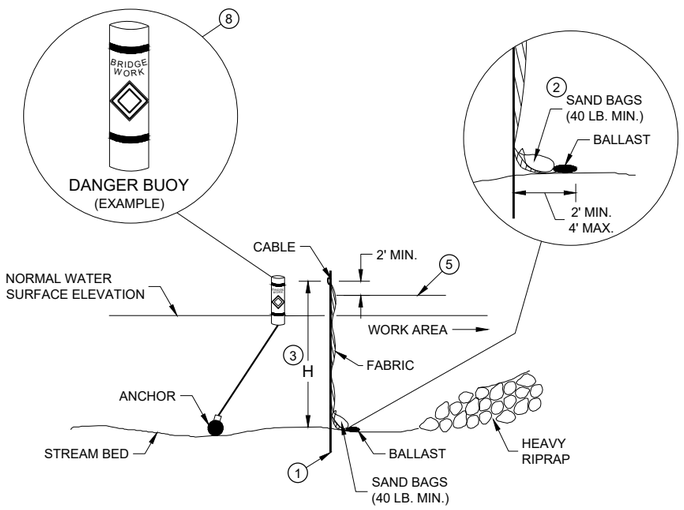


SECTION B - B

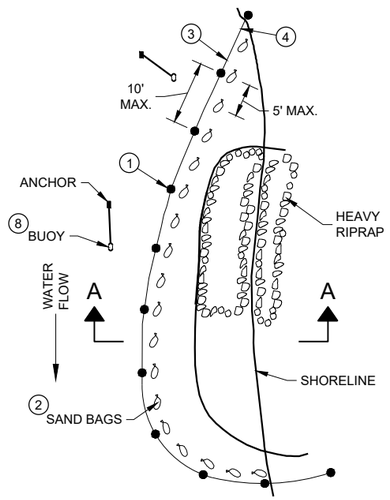


PLAN VIEW

TURBIDITY BARRIER - FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A - A



PLAN VIEW

TURBIDITY BARRIER - STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

(1) DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

(2) SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

(3) WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.

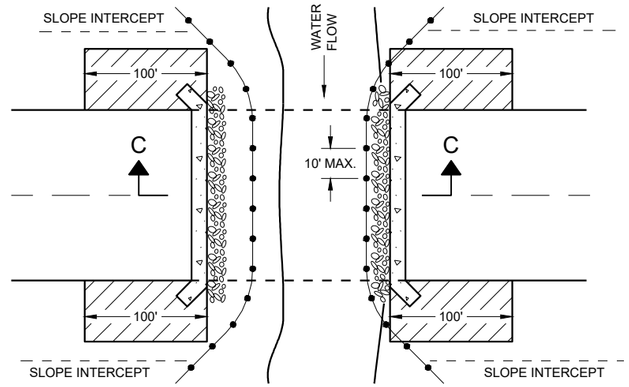
(4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

(5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.

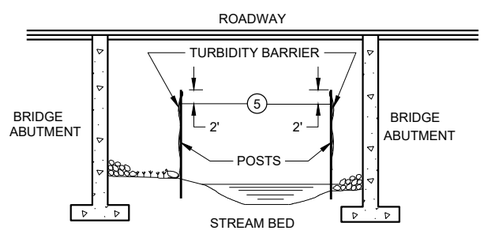
(6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.

(7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

(8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

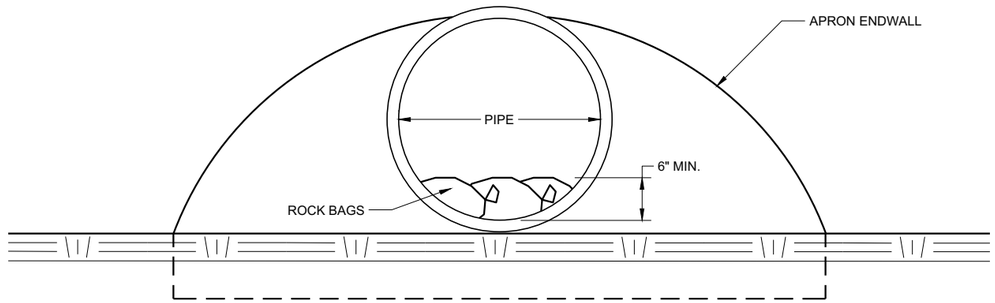
TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

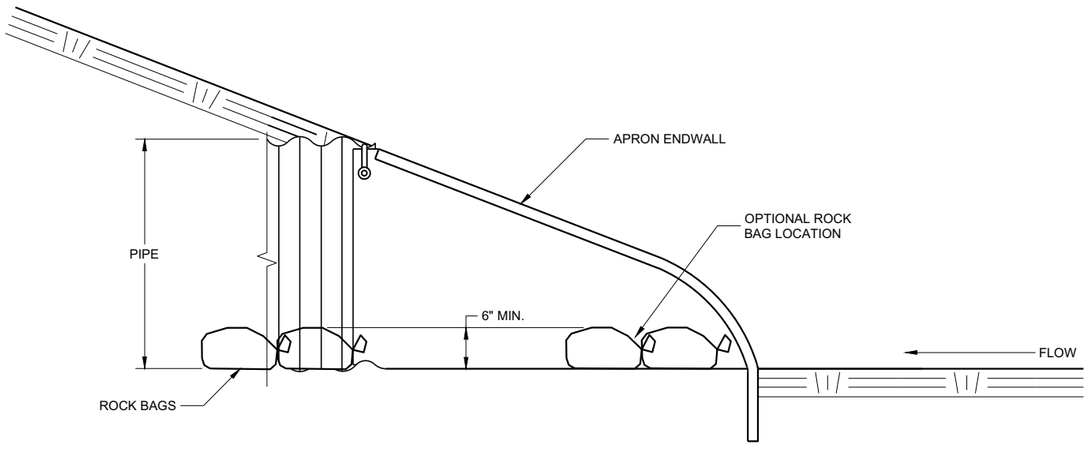
APPROVED
6/4/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOI
ENGINEER

FHWA

6
SDD 08E11 - 02



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	

6

SDD 08E15 - 01

METAL APRON ENDWALLS

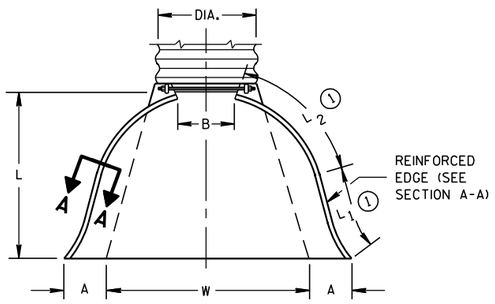
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

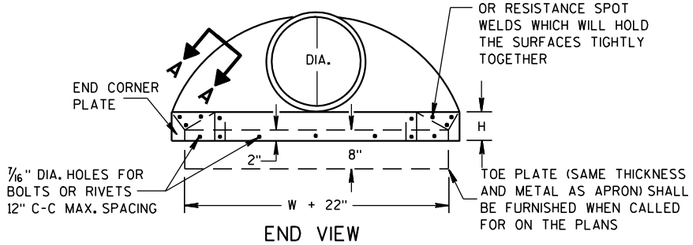
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

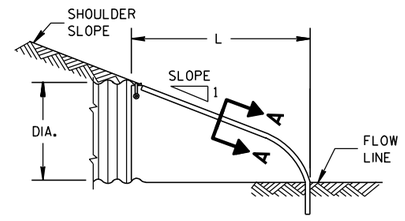
*MINIMUM
**MAXIMUM



PLAN VIEW

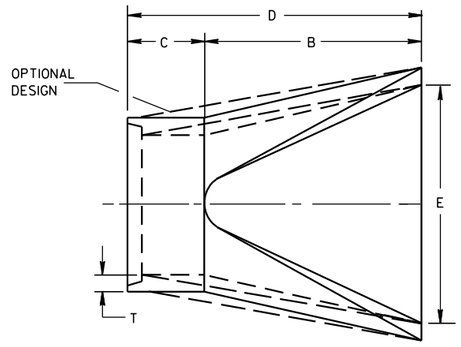


END VIEW

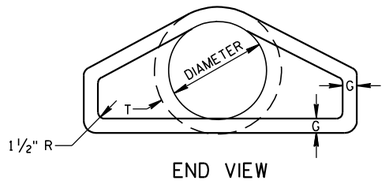


SIDE ELEVATION

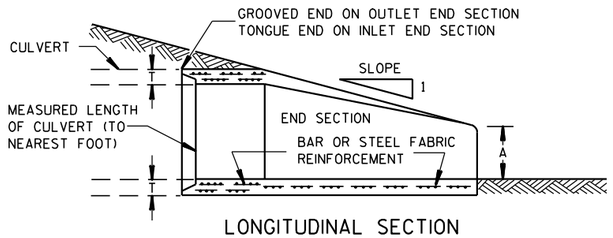
METAL ENDWALLS



PLAN

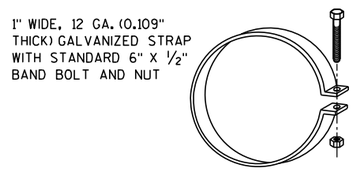


END VIEW



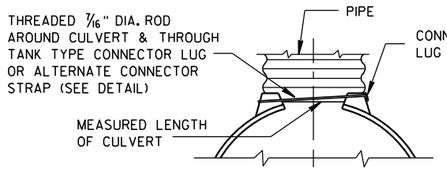
LONGITUDINAL SECTION

CONCRETE ENDWALLS

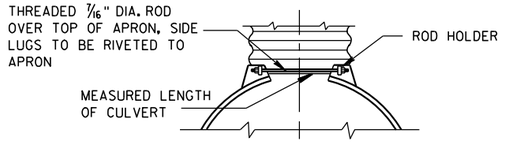


ALTERNATE FOR TYPE 1 CONNECTION

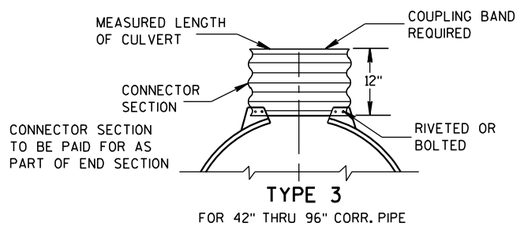
END SECTION CONNECTOR STRAP



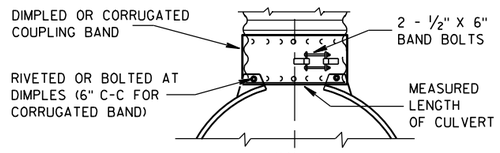
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

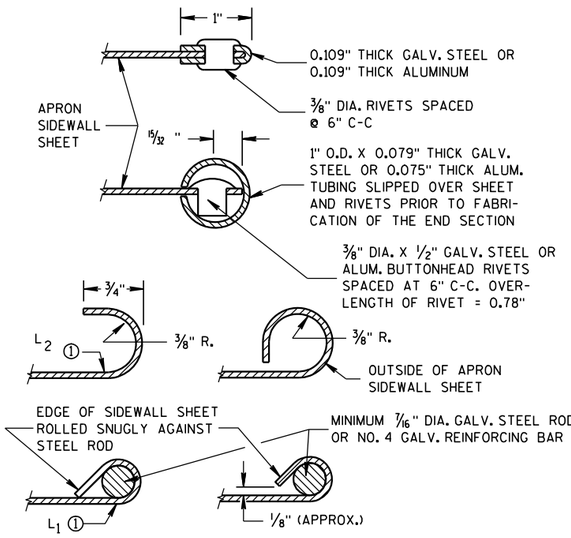
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

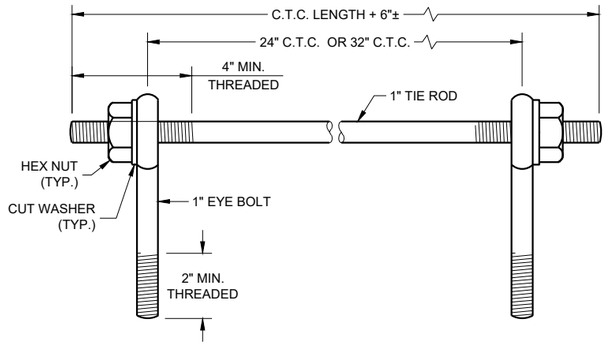
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

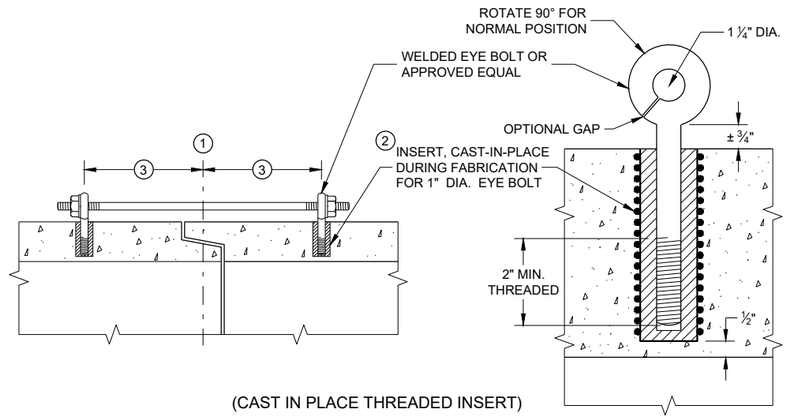
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 393 NEER
FHWA

6

S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE 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.

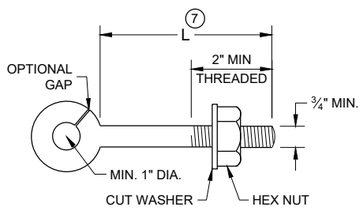
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

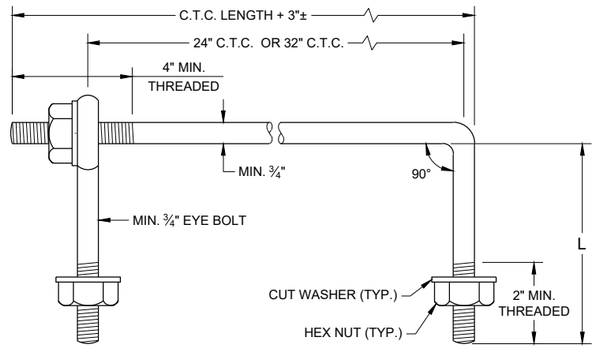
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

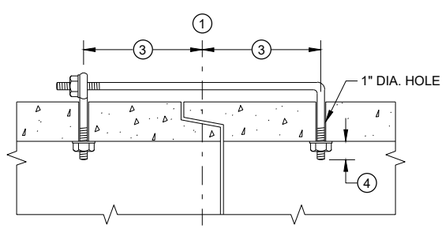


EYE BOLT (7)

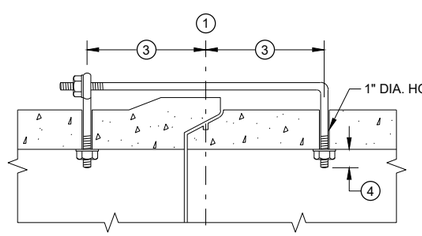
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

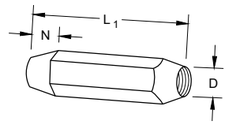
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

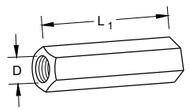
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



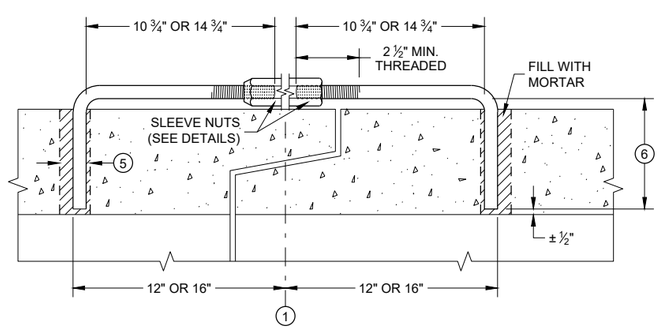
TAPERED



PLAIN

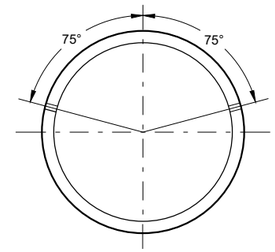
RIGHT AND LEFT THREADS

SLEEVE NUTS



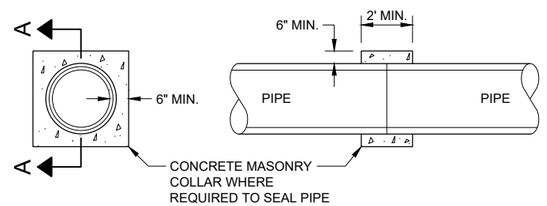
LONGITUDINAL SECTION

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 FO CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

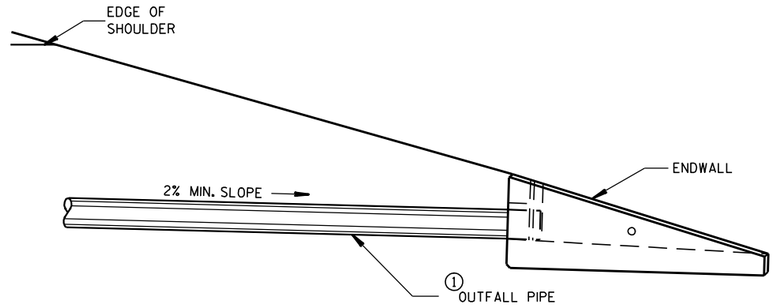
APPROVED
November 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

SDD 08F04 - 08

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION 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.

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

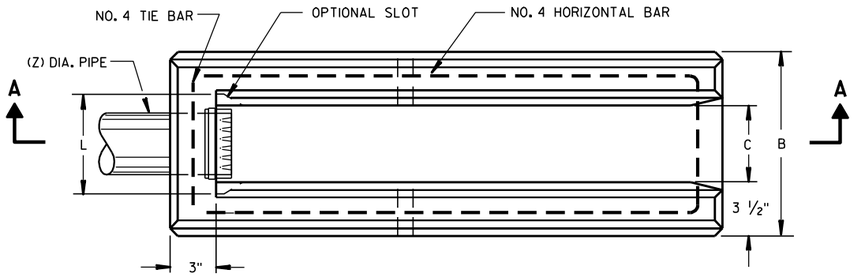
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

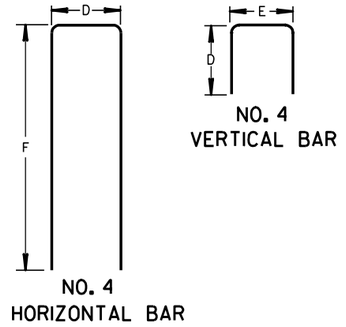
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

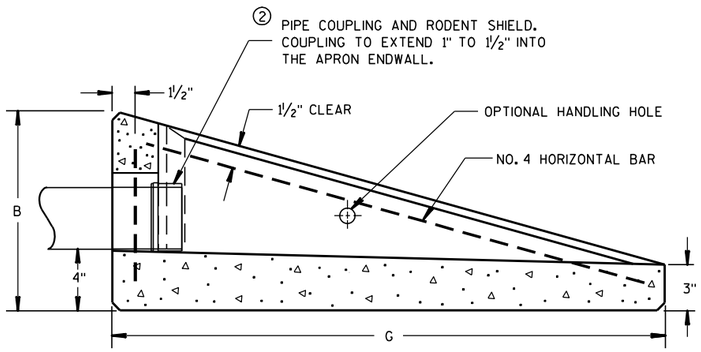
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



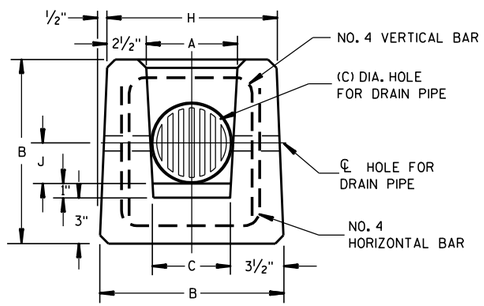
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS

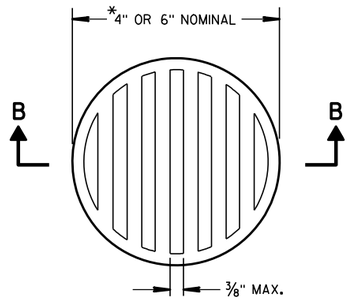


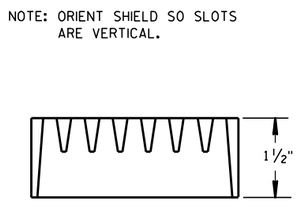
SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN





SECTION B-B

② RODENT SHIELD

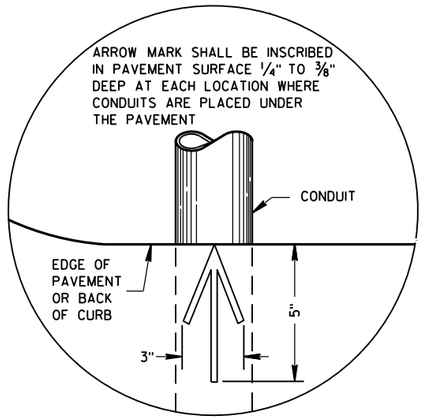
*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

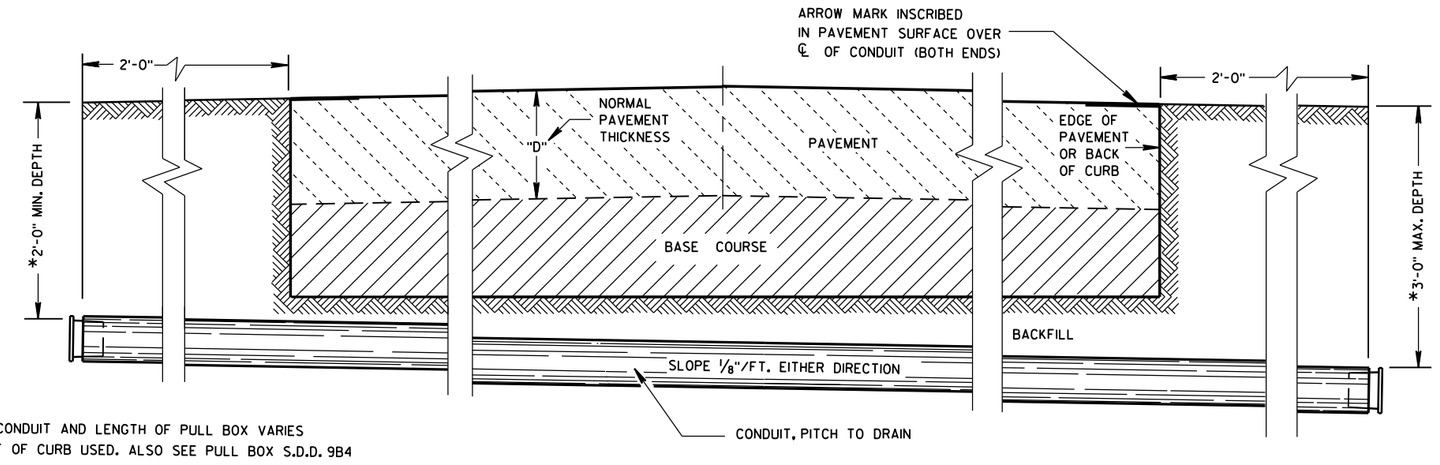
APPROVED
3/10/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 6-4



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

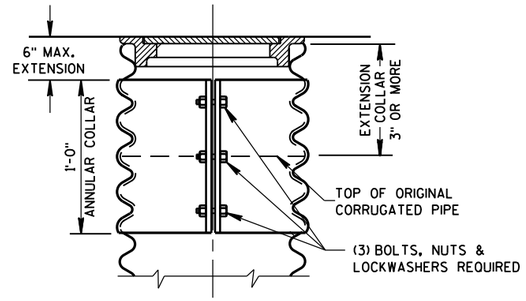
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

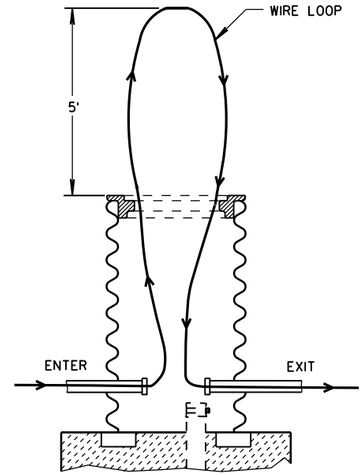
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

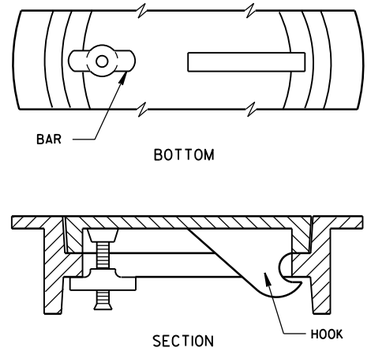
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

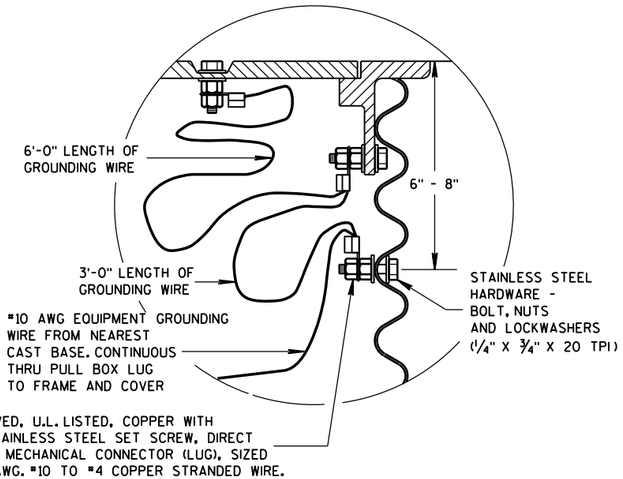


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

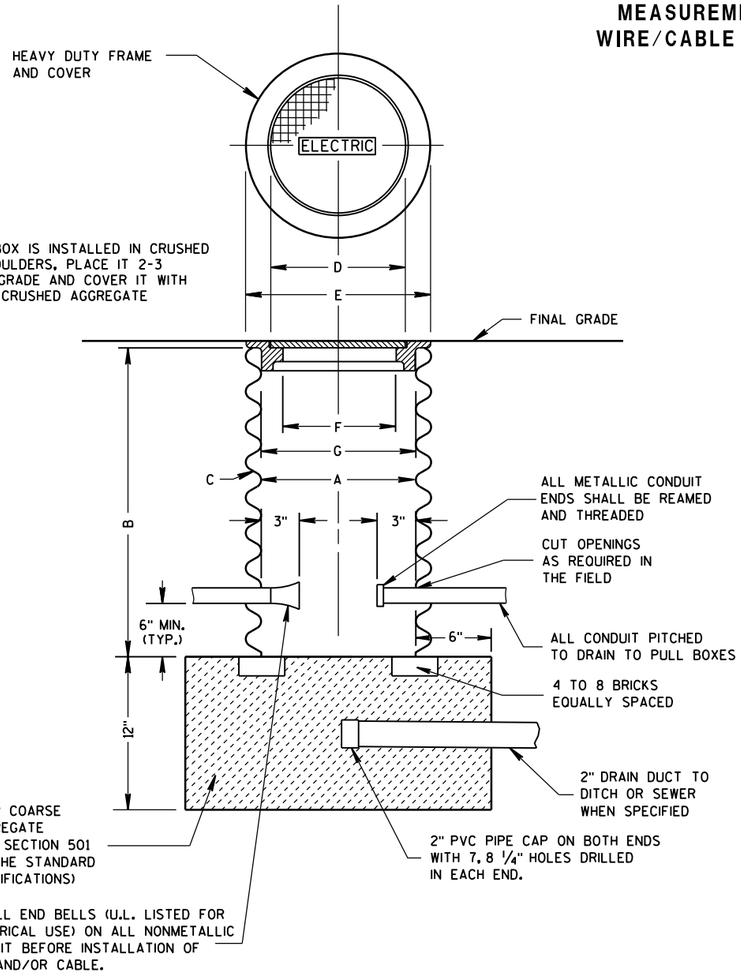


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

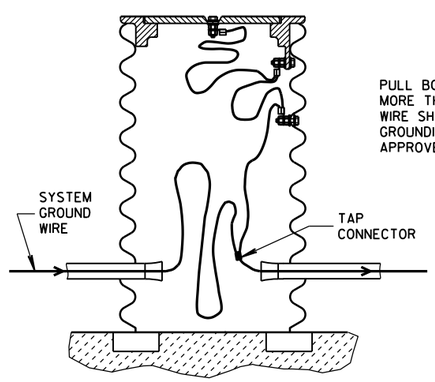
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

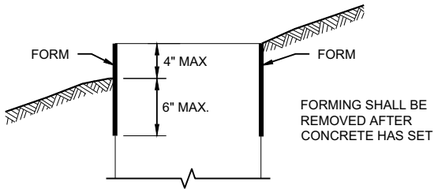
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 397
FHWA

6

S.D.D. 9 B 4-11

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.

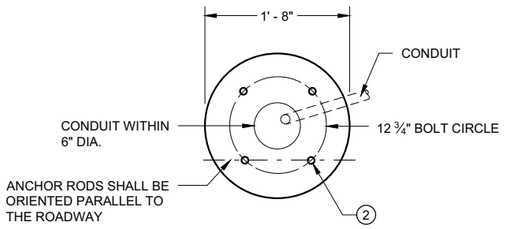
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

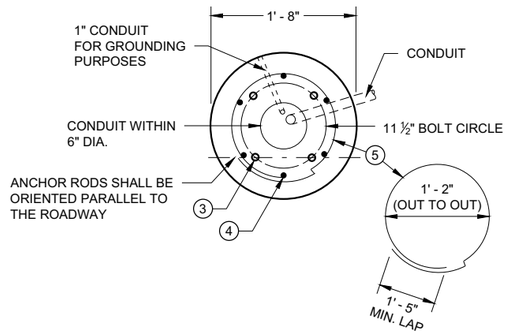
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

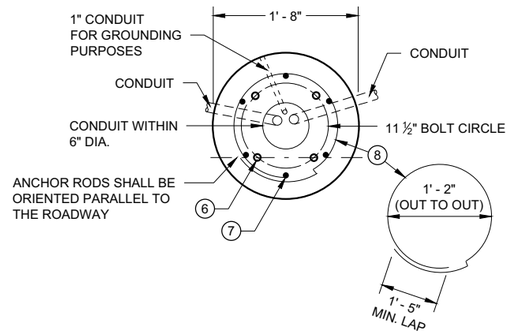
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

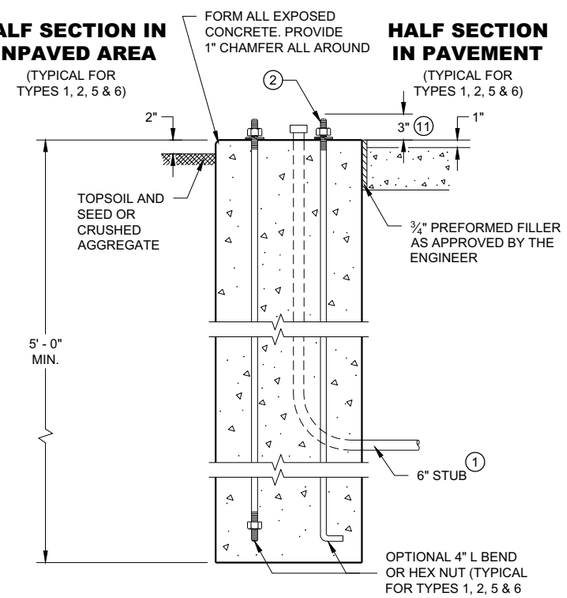
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

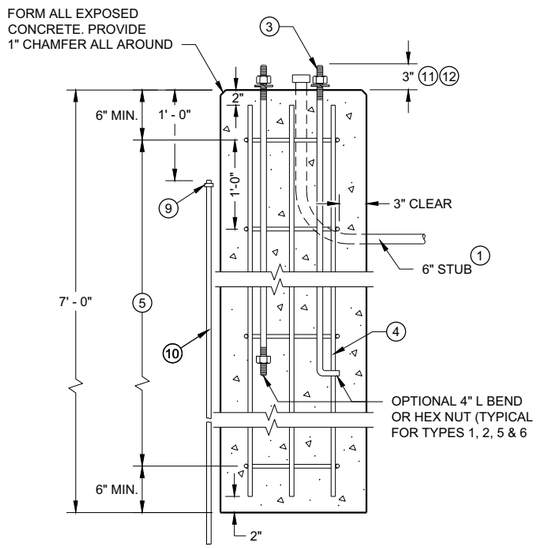
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

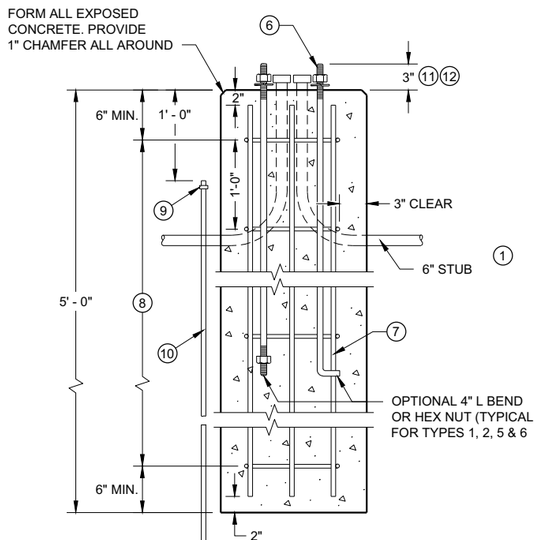
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 398

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.

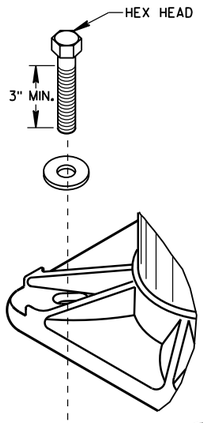
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

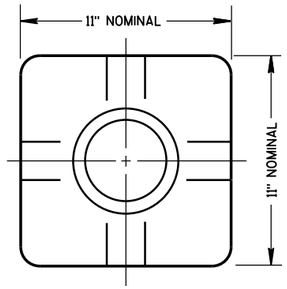
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

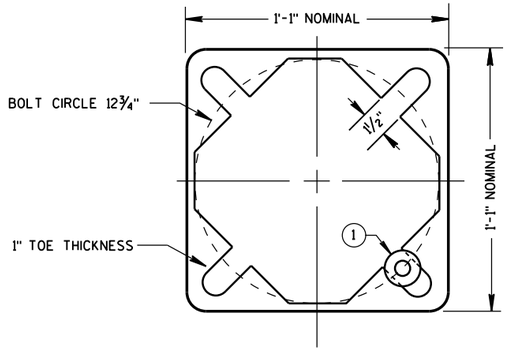
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

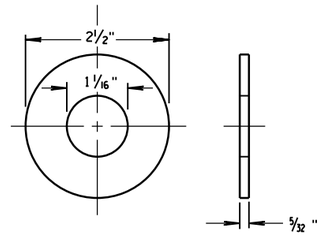




TOP VIEW
(PEDESTAL BASE)

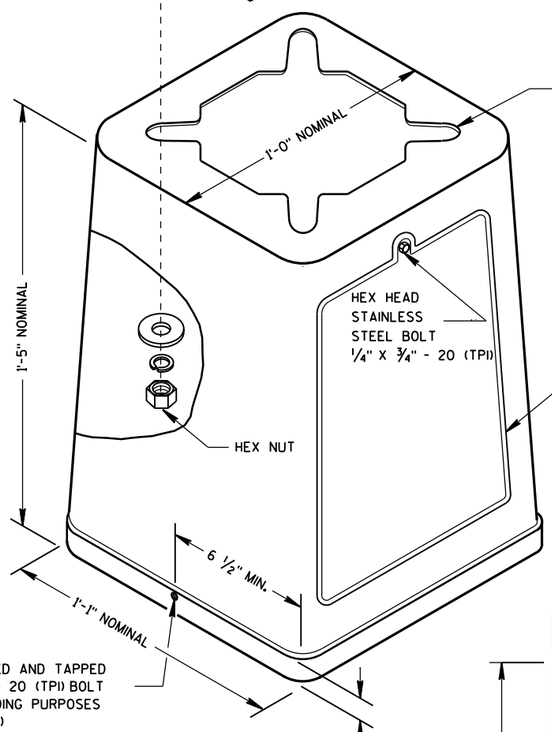


BOTTOM VIEW
(PEDESTAL BASE)

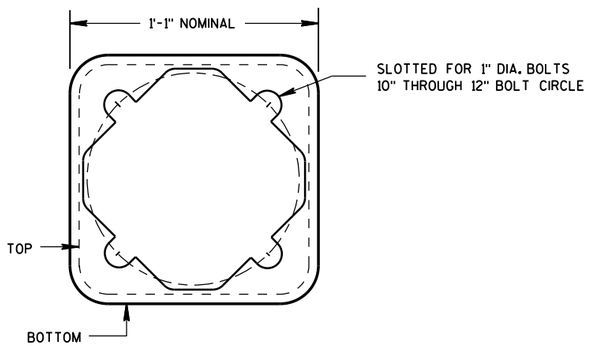


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

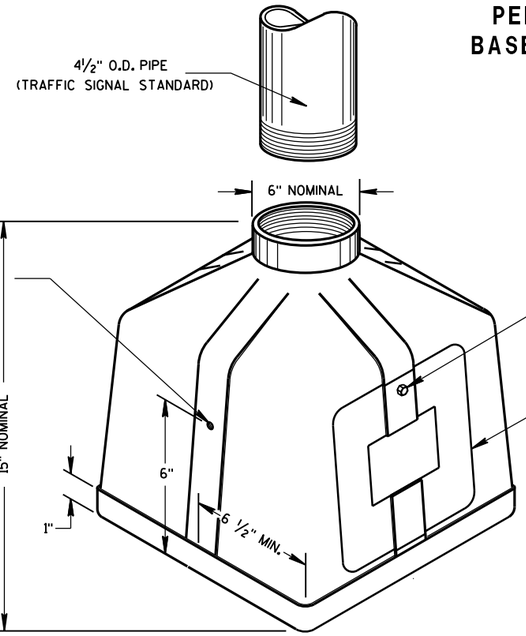
PEDESTAL BASE WASHER (1)



ISOMETRIC VIEW

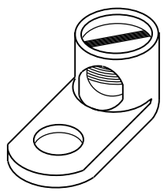


BOTTOM VIEW
(TRANSFORMER BASE)



ISOMETRIC VIEW

PEDESTAL BASE

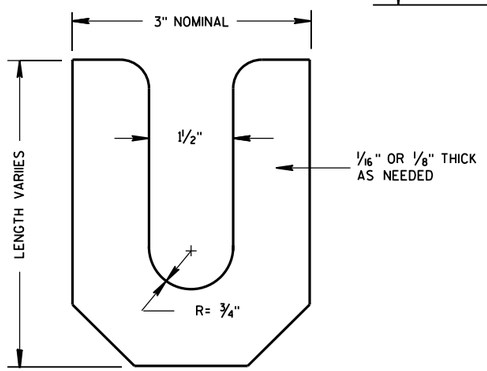


TYPICAL MECHANICAL CONNECTOR LUG

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

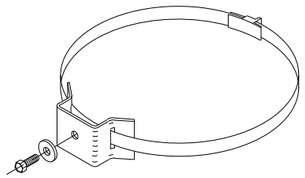
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 399
FHWA

6

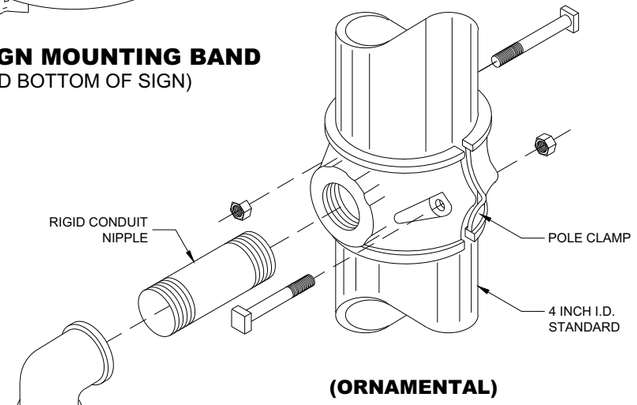
S.D.D. 9 C 3-4

6

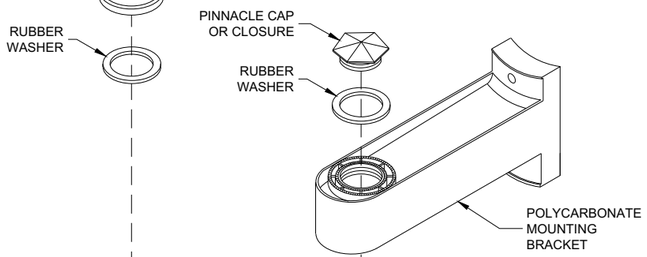
S.D.D. 9 C 3-4



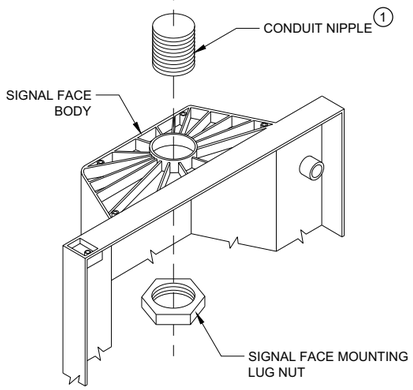
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



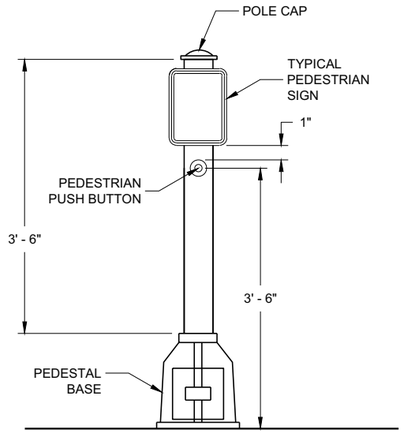
(ORNAMENTAL)



(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.

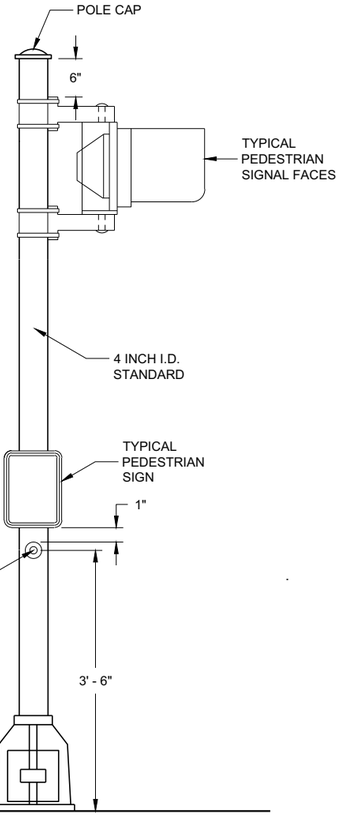
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

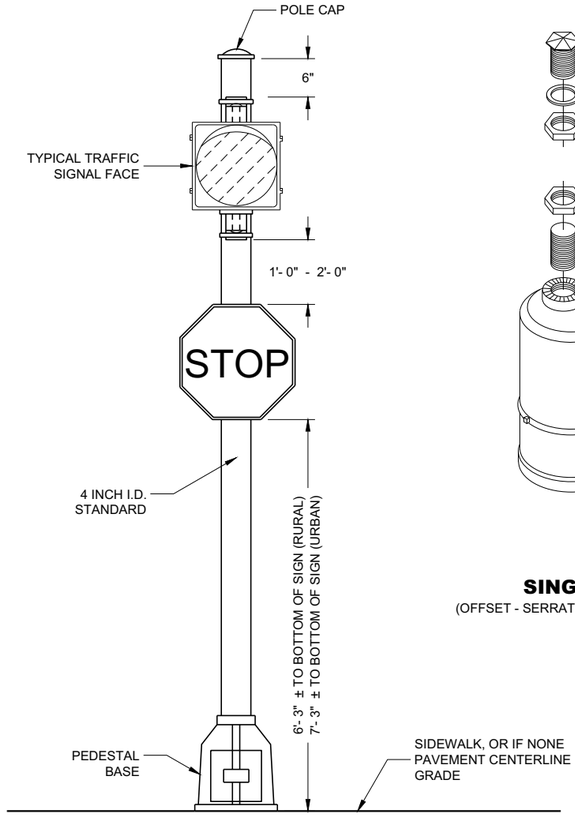
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

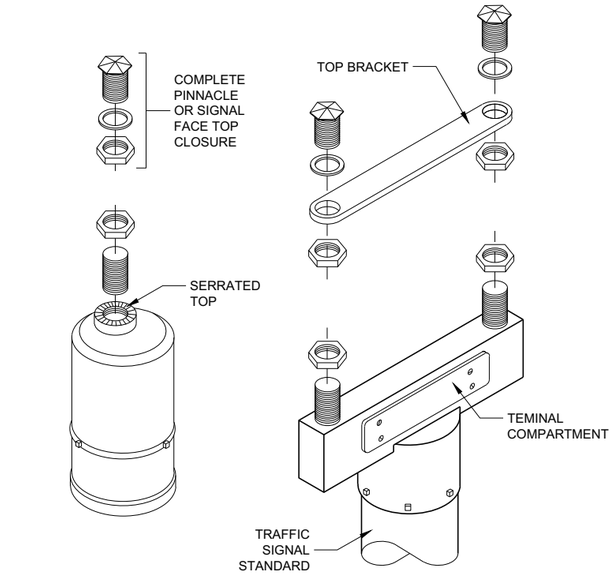
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



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

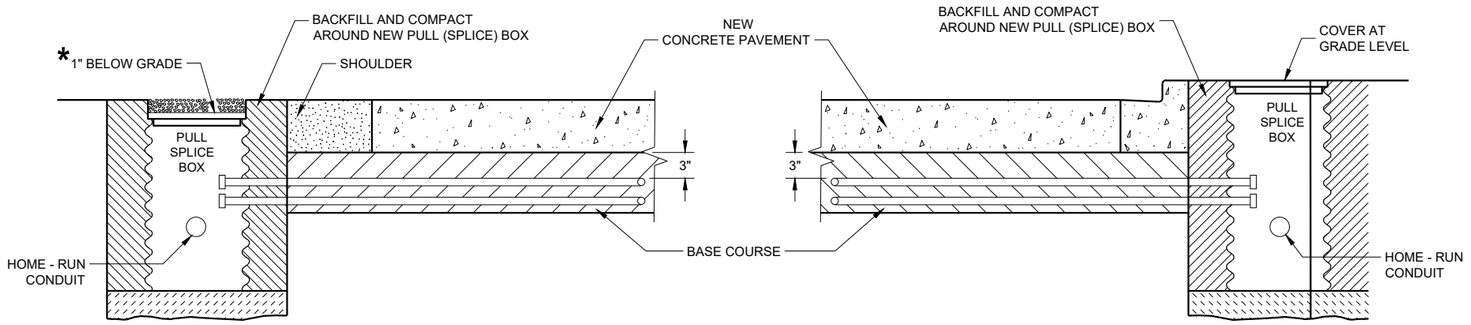
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 400

FHWA

6

SDD 09E07 - 06



SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

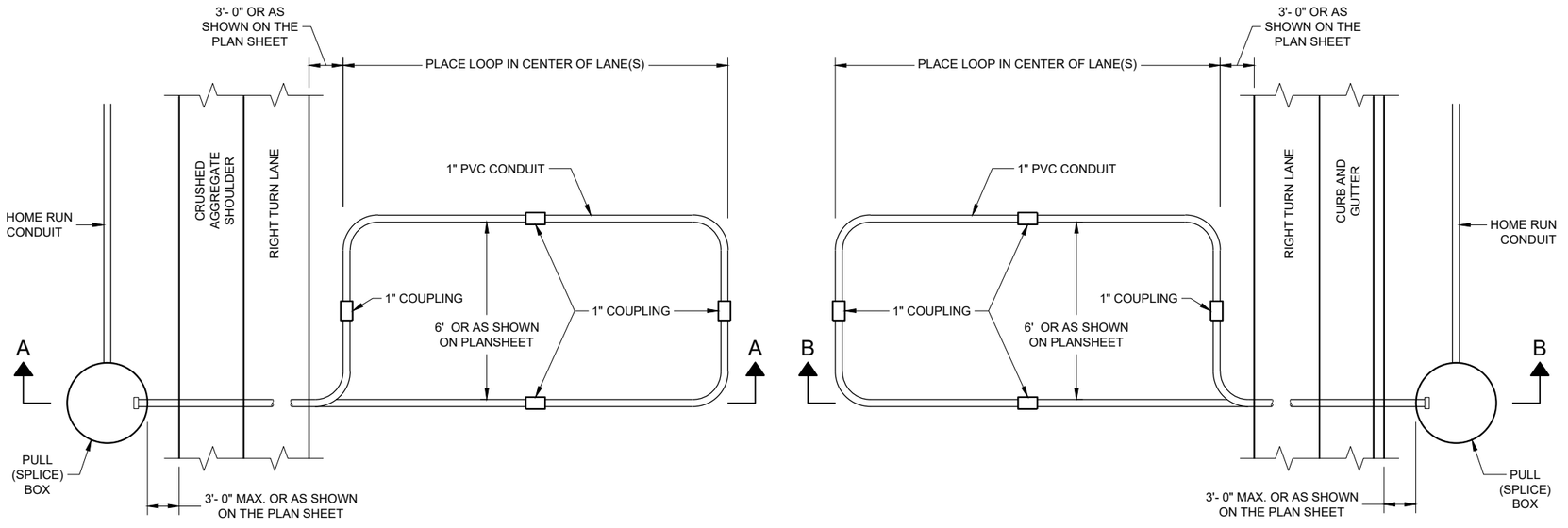
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

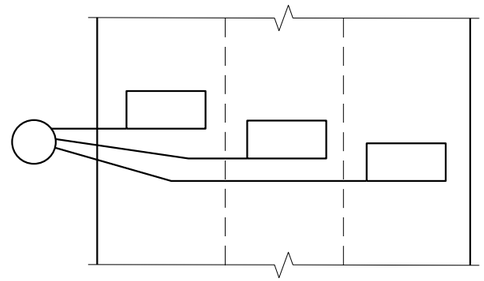
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR
WITH 24" PULL (SPLICE) BOX



MULTI-LANE
INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 401

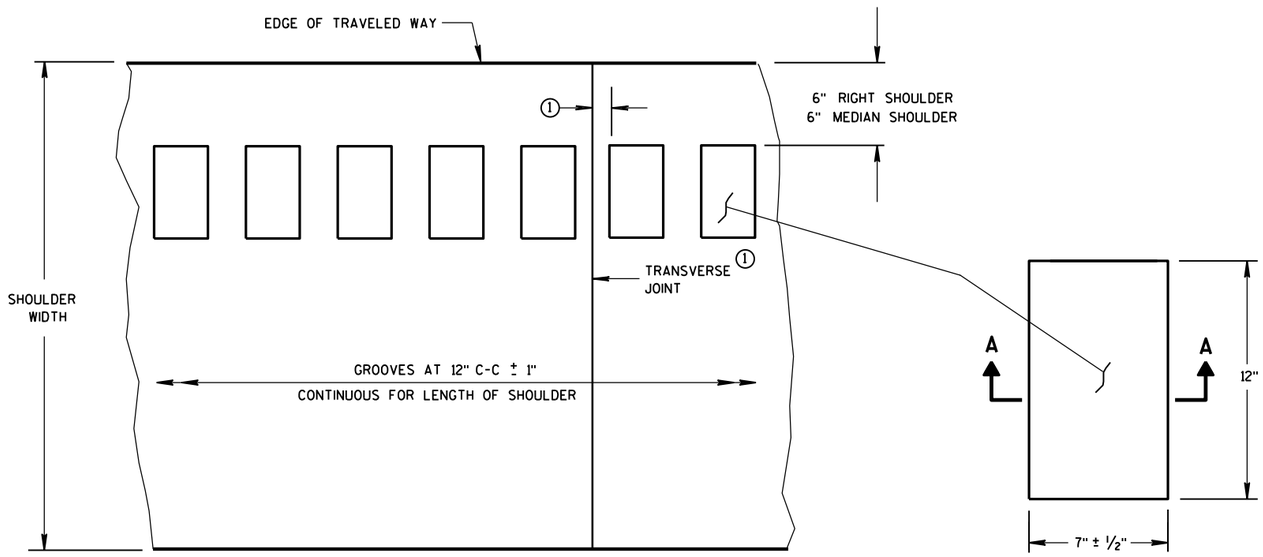
FHWA

6

SDD 09F15 - 04b

6

SDD 09F15 - 04b



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

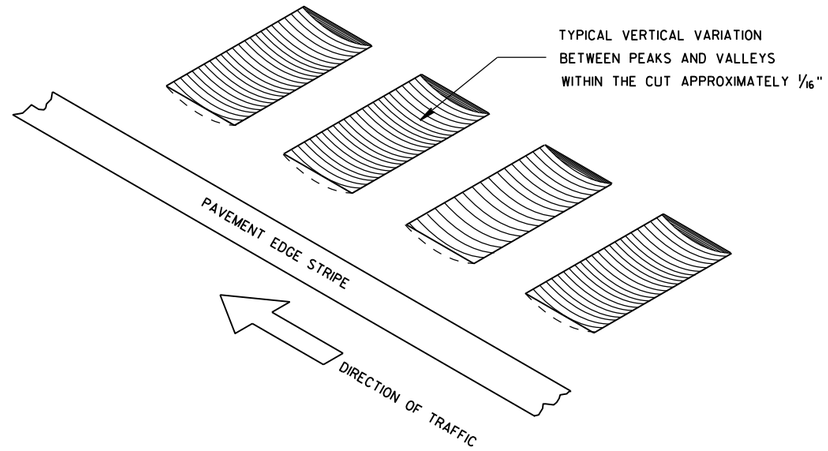
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

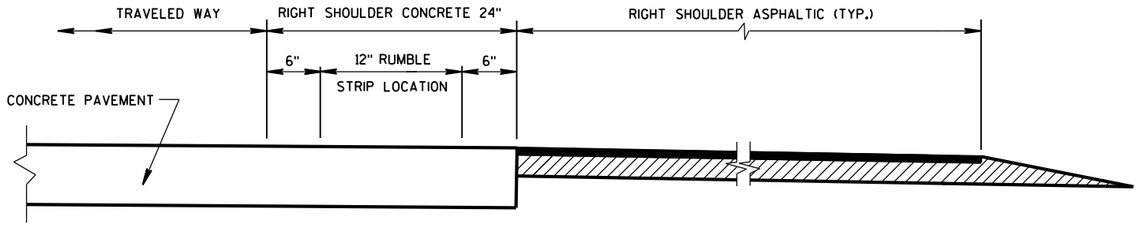
RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

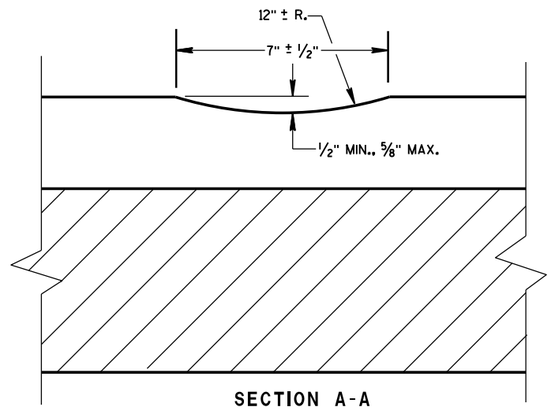
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



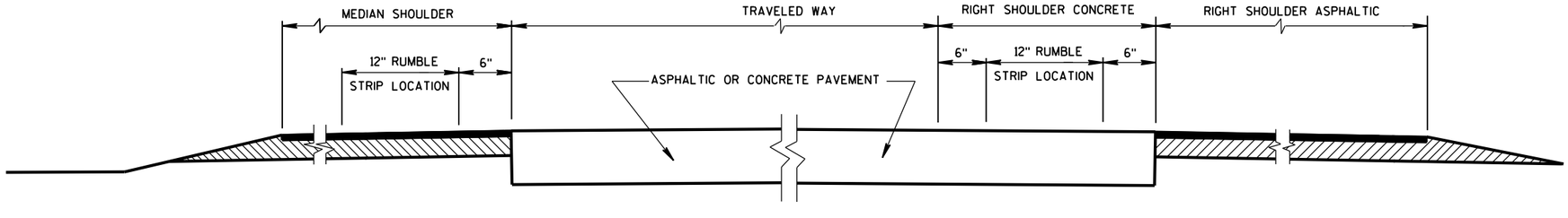
ISOMETRIC



SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION A-A



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)

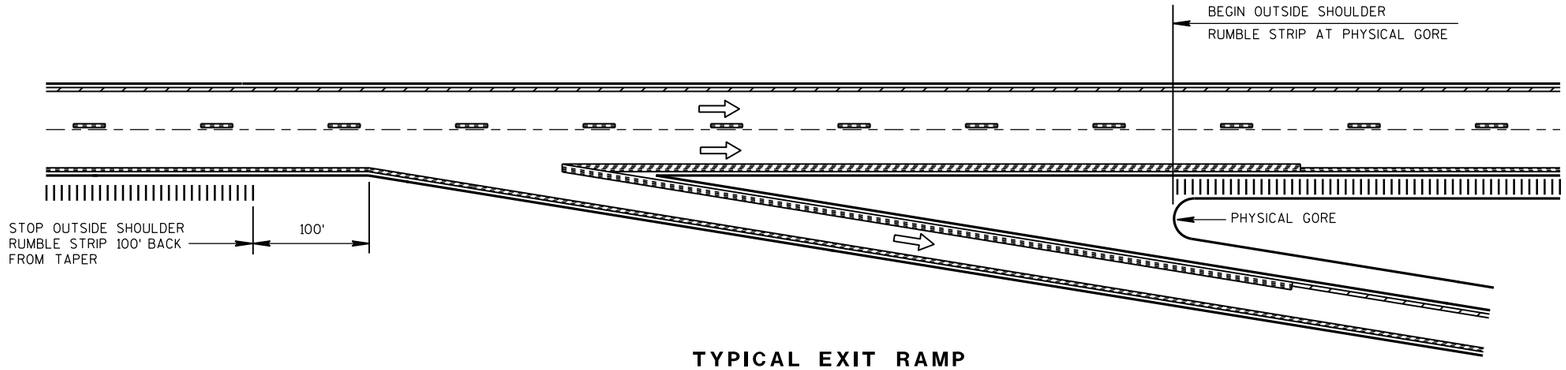
SHOULDER RUMBLE STRIP, MILLING
STATE OF WISCONSIN DEPARTMENT OF TRANSPOI 402

6

S.D.D. 13 A 5-5a

6

S.D.D. 13 A 5-5a



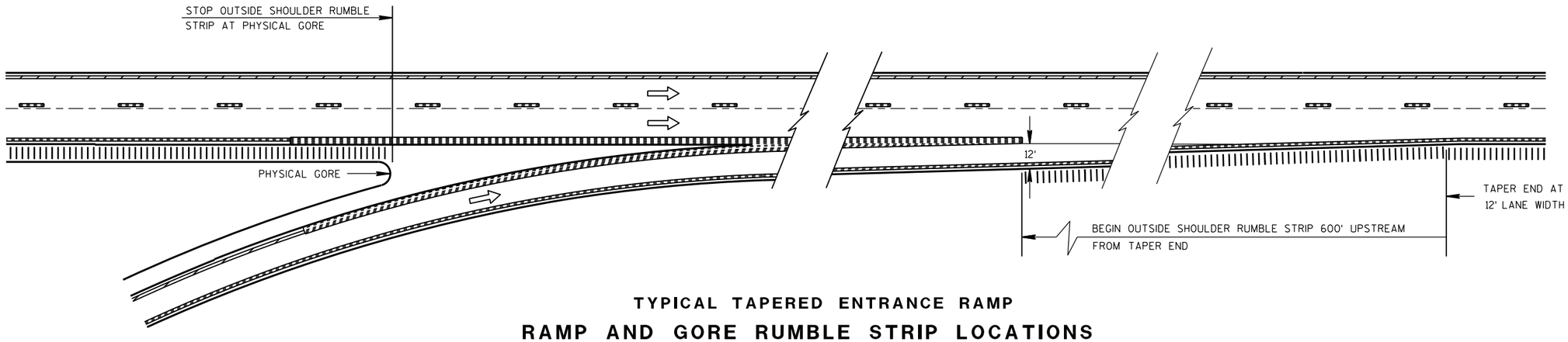
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

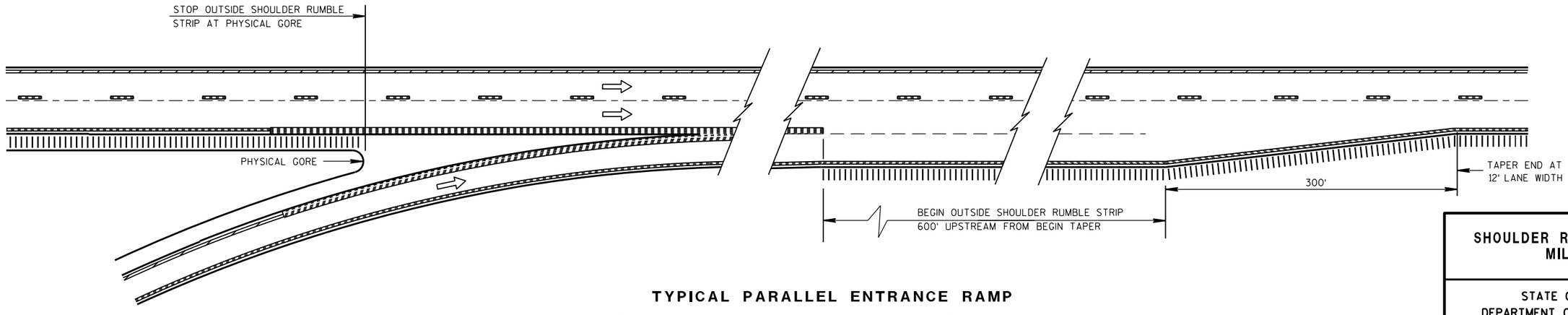
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

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

6

S.D.D. 13 A 5-5b

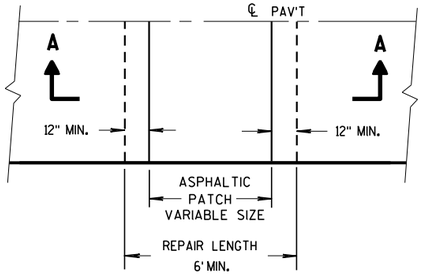
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

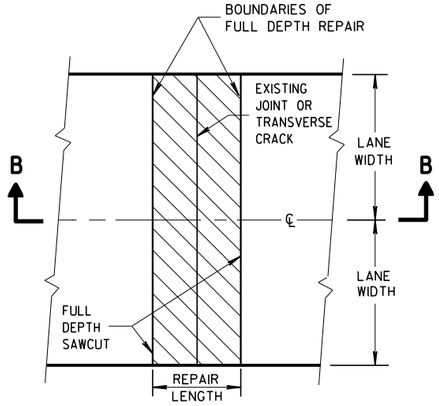
PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

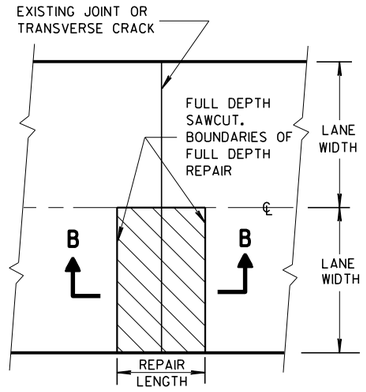
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW

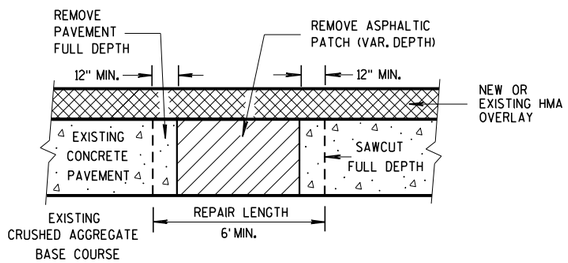


PLAN VIEW
(DOUBLE LANE REPAIR)



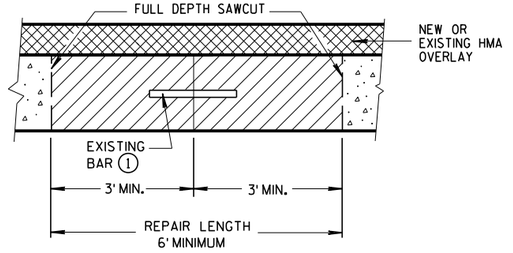
PLAN VIEW
(SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

CONCRETE REMOVAL

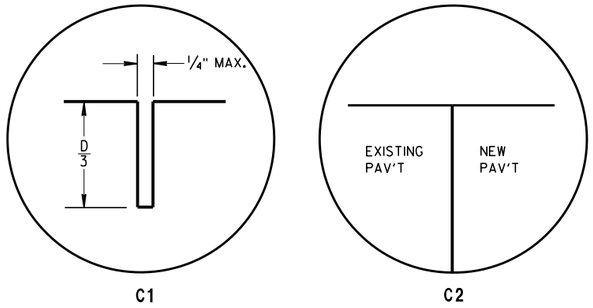
6

6

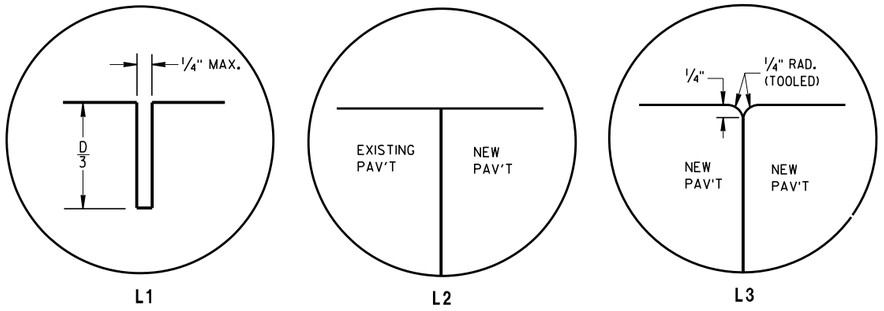
S.D.D. 13 C 14-7a

S.D.D. 13 C 14-7a

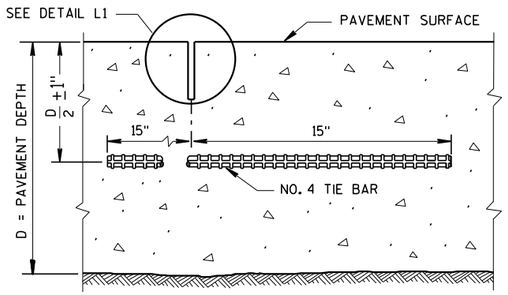
BASE PATCHING CONCRETE



TRANSVERSE JOINTS

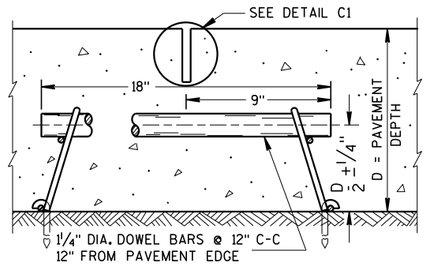


LONGITUDINAL JOINTS



SECTION C-C

SAWED LONGITUDINAL JOINT



SECTION F-F

CONTRACTION JOINT

GENERAL NOTES

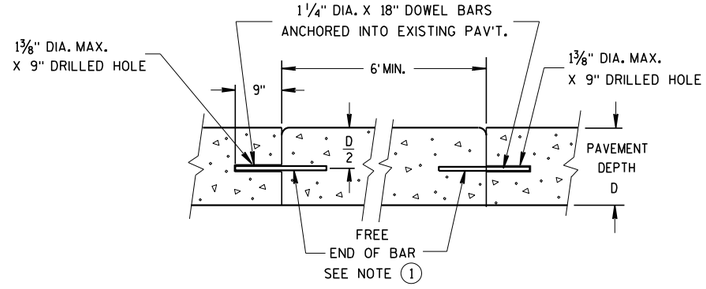
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

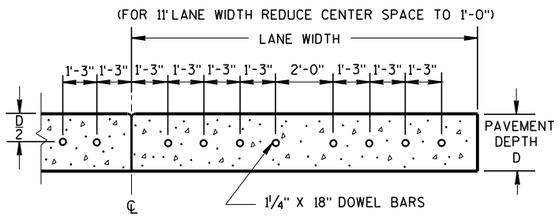
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

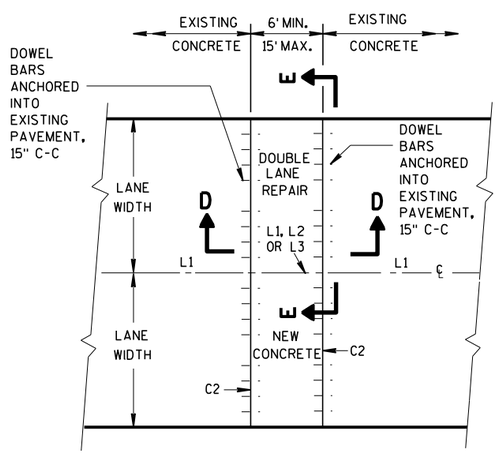


SECTION D-D



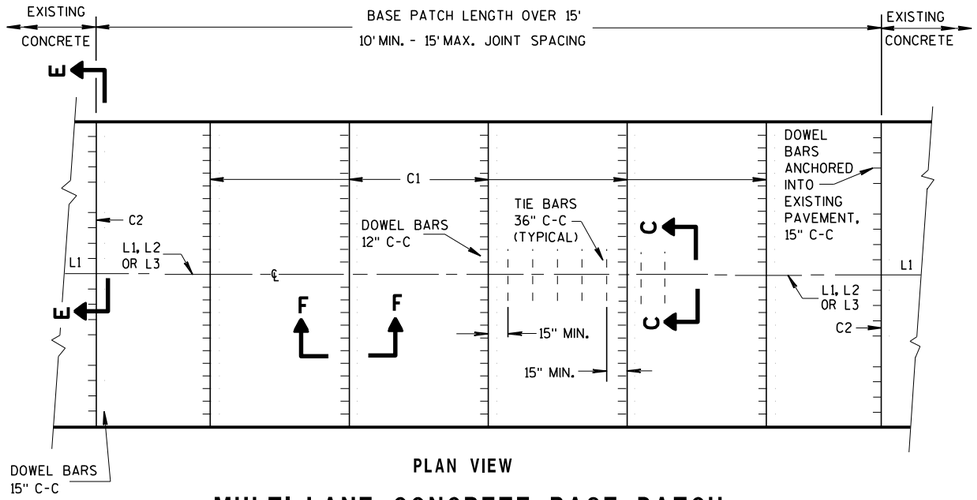
SECTION E-E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

BASE PATCHING CONCRETE

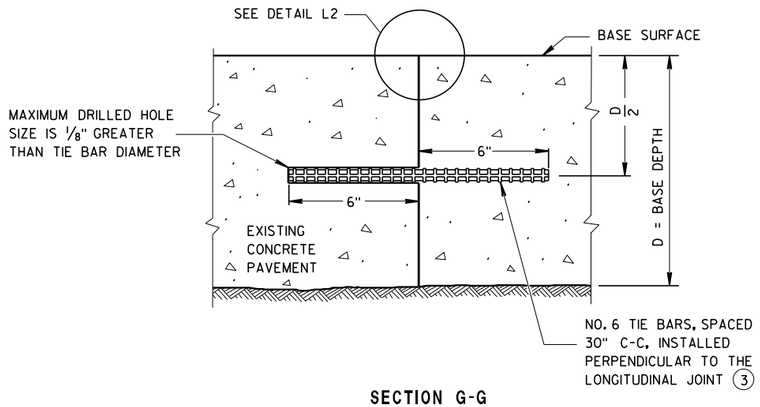
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 14-7b

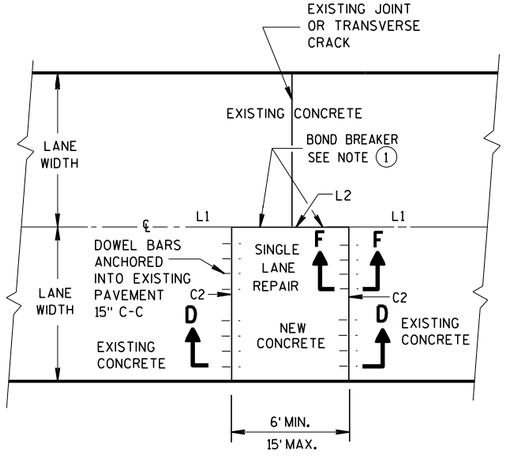
6

S.D.D. 13 C 14-7b



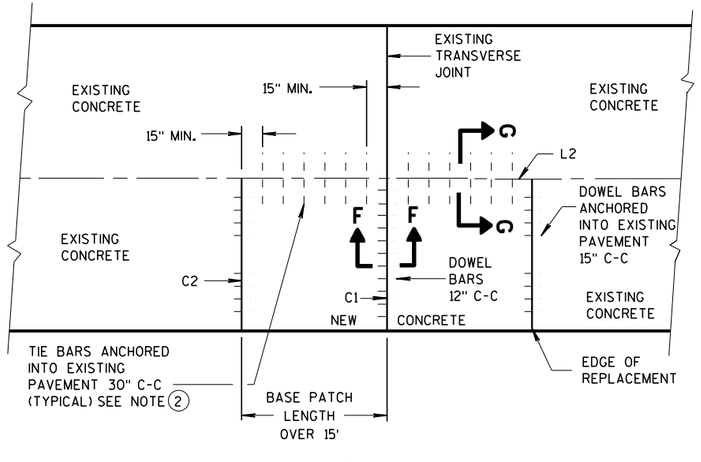
SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

GENERAL NOTES

(1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE BASE PATCHES UP TO 15 FEET IN LENGTH.

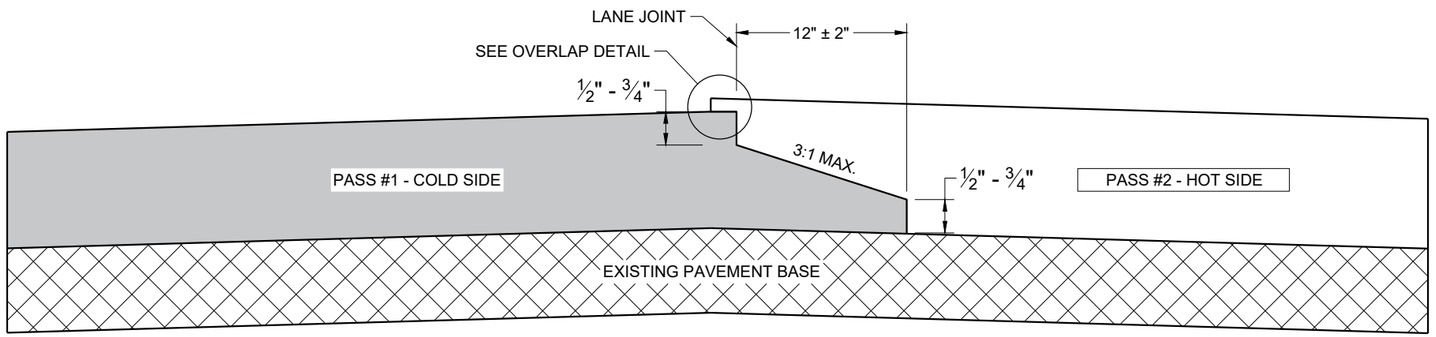
(2) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, DRILLED TIE BARS MAY BE INSTALLED ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

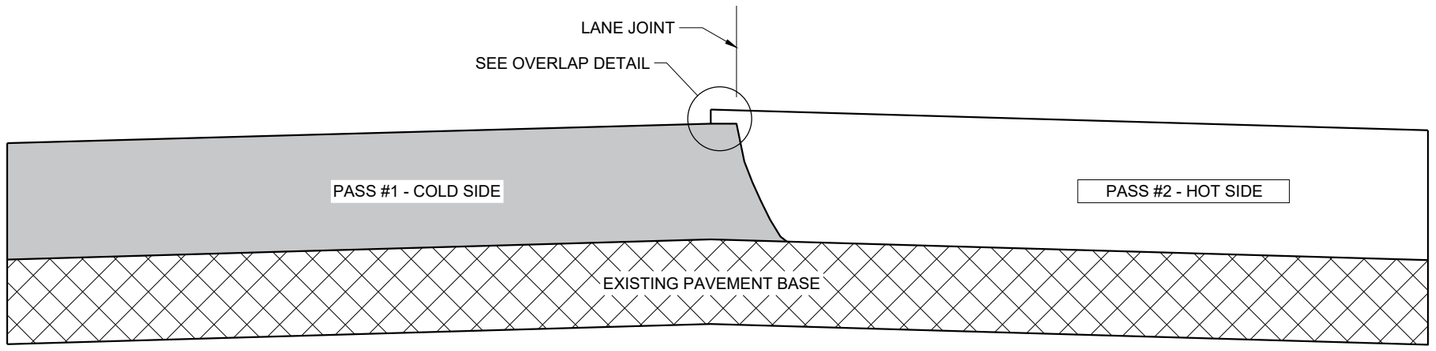
BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

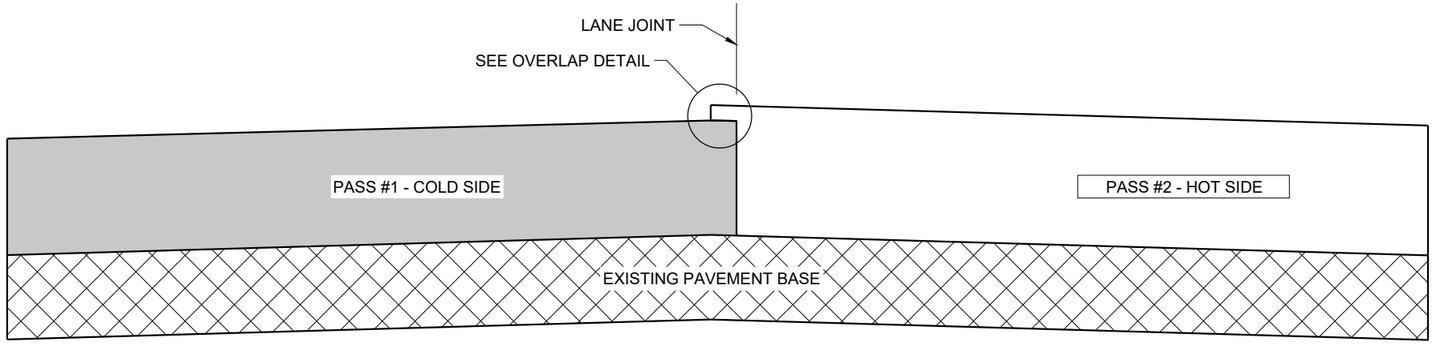
APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUPERVISOR
FHWA



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

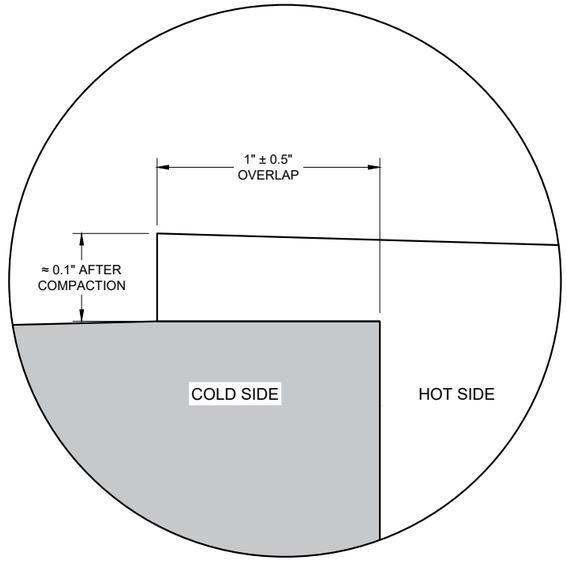
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

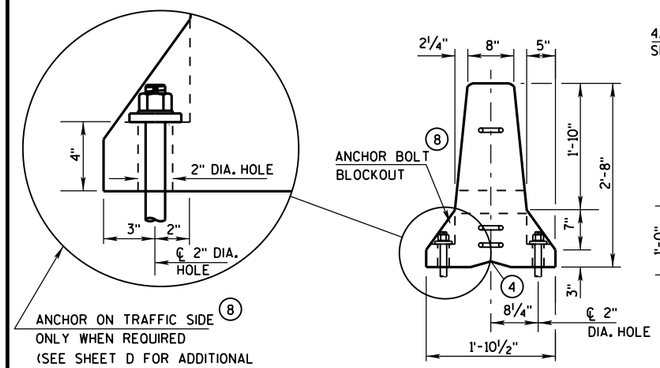
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

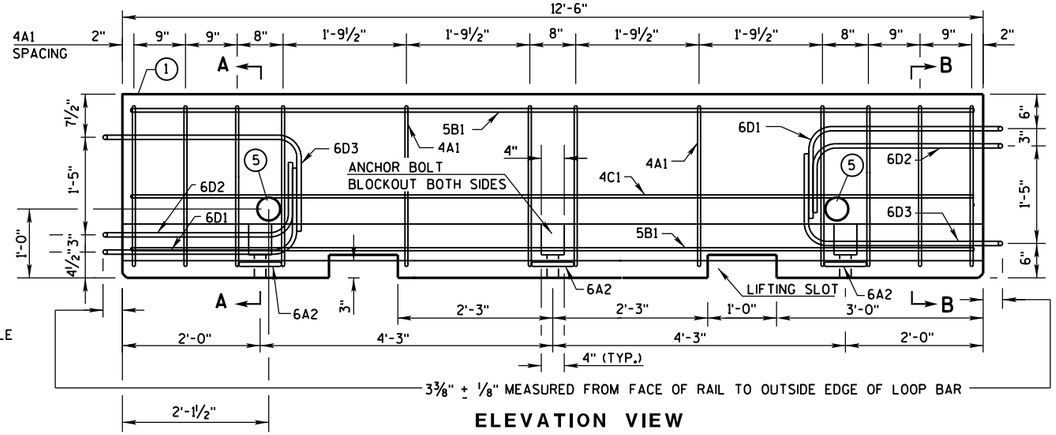
APPROVED
November 2020
DATE
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA

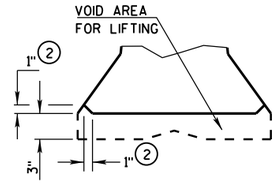
6
SDD 13C19 - 03



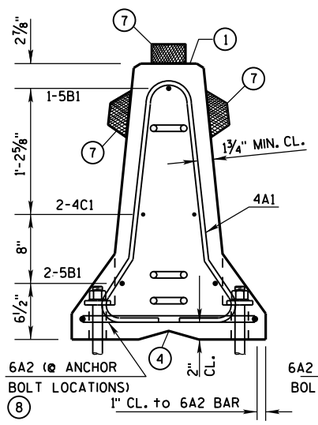
END VIEW



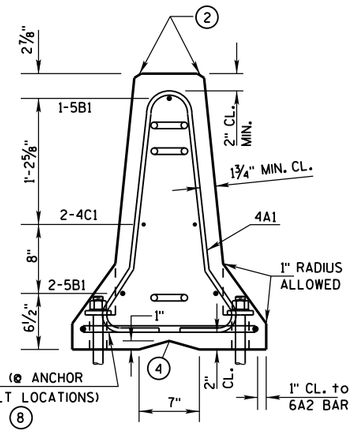
ELEVATION VIEW



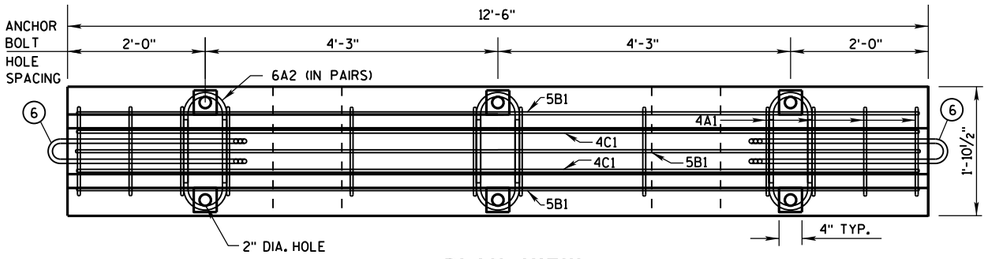
DETAIL "B"
LIFTING SLOT DETAIL



SECTION A-A
(STIRRUP PLACEMENT)

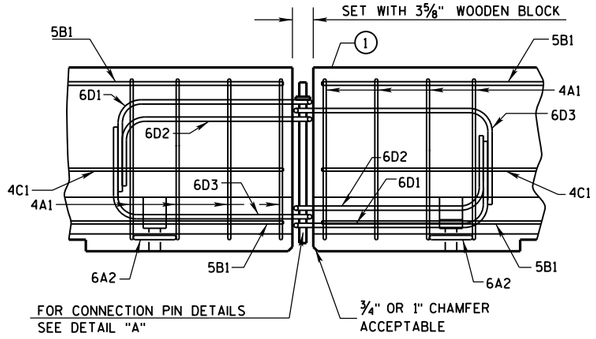


SECTION B-B
(STIRRUP PLACEMENT)

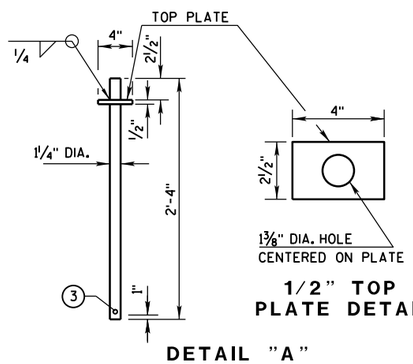


PLAN VIEW

DETAILS OF BARRIER SECTION

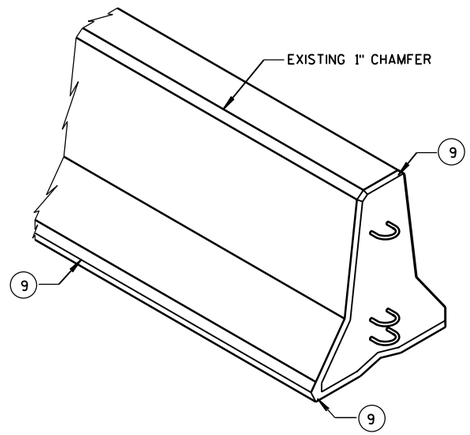


DETAILS OF BARRIER CONNECTION



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.

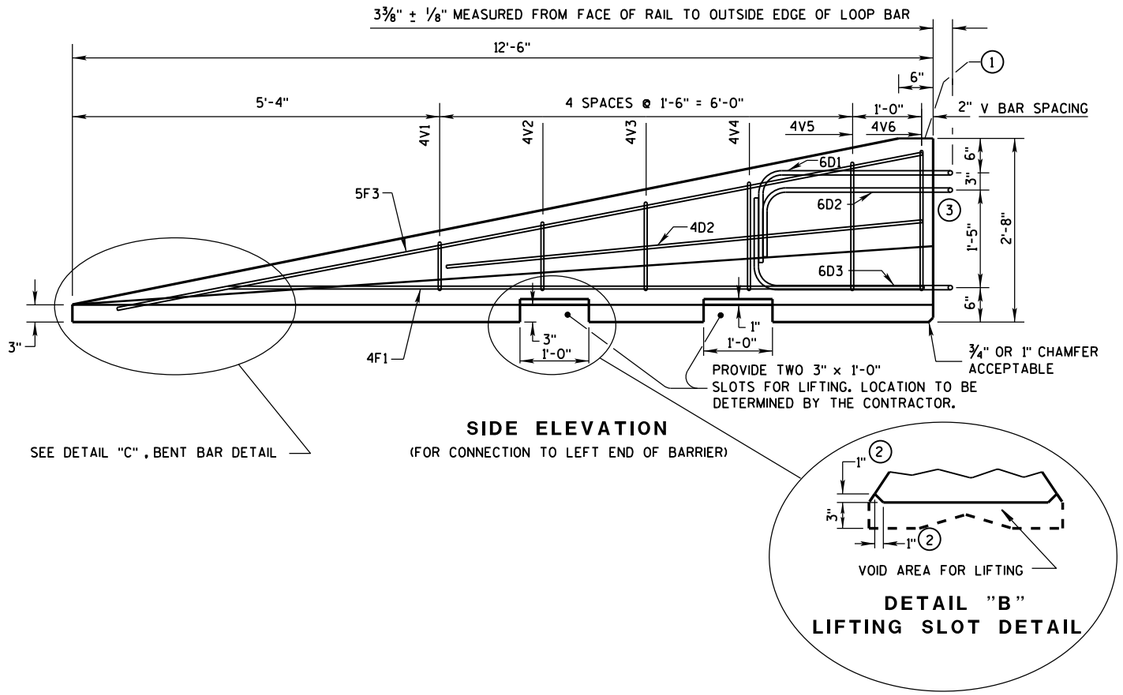
f'c = 4,000 psi

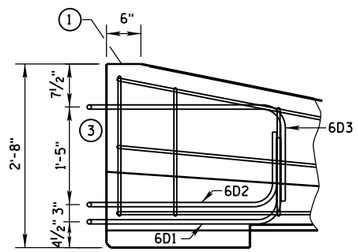
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

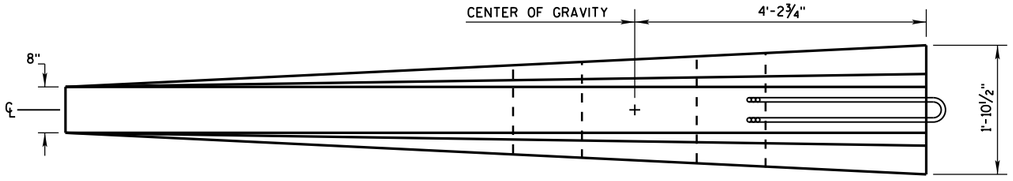
S.D.D. 14 B 7-15a

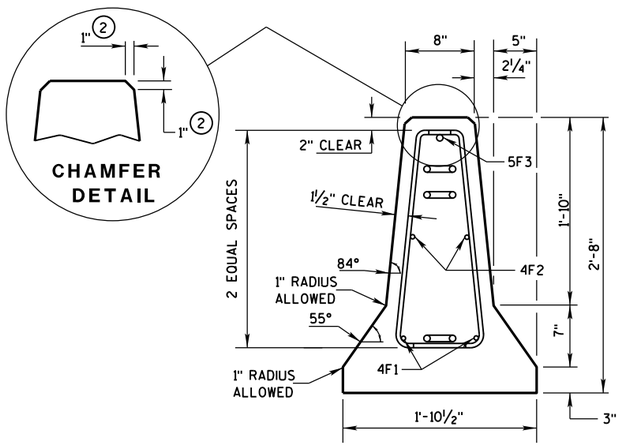


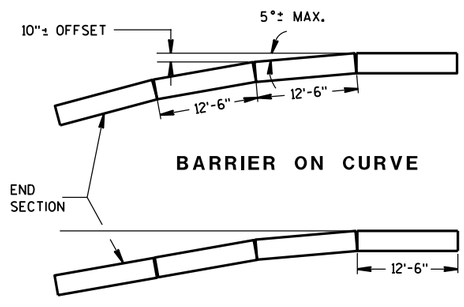


GENERAL NOTES

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

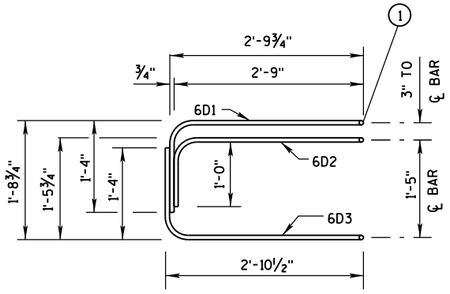
6

S.D.D. 14 B 7-15b

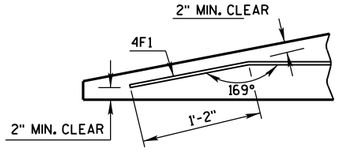
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

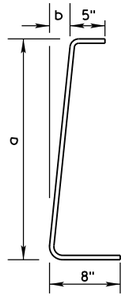
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



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

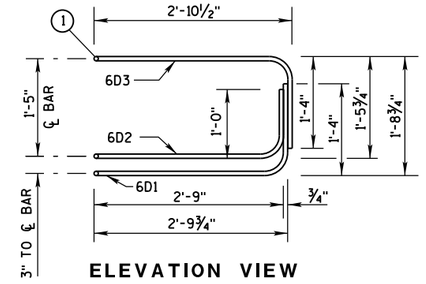
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

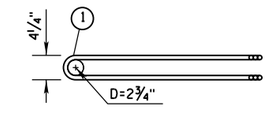
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

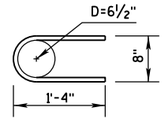
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



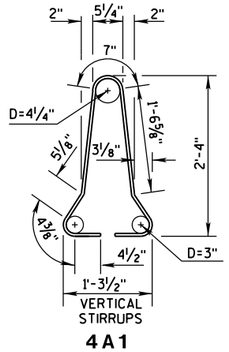
ELEVATION VIEW



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



4A1

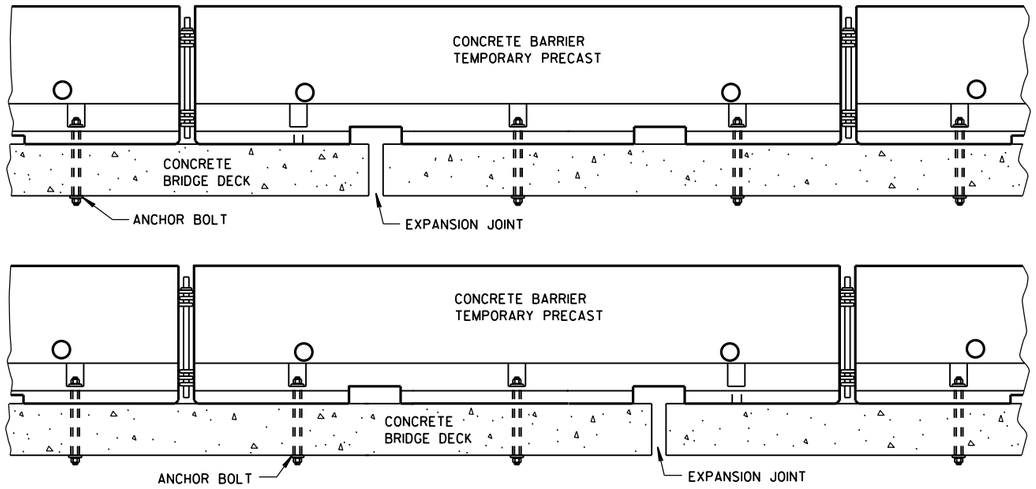
BARRIER SECTION

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

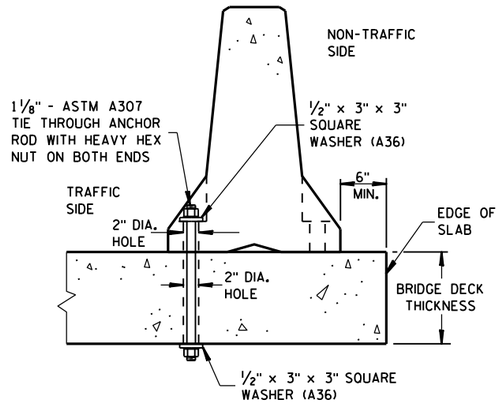
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

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.

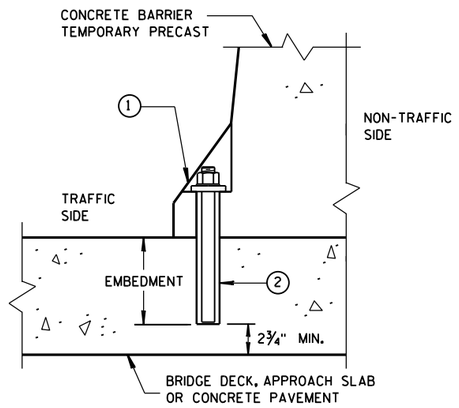
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



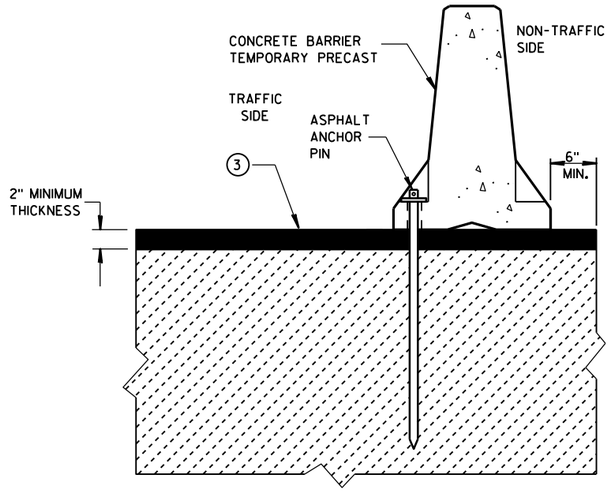
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

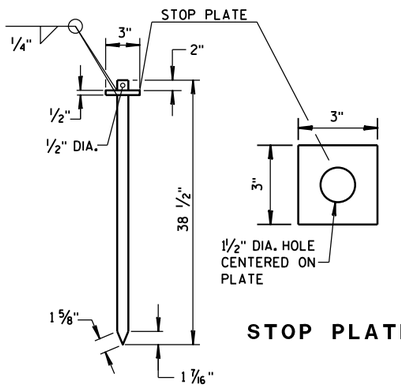


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



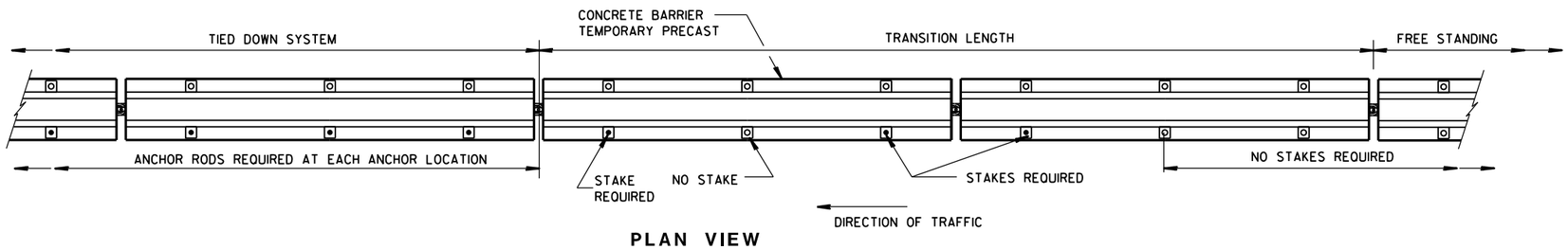
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

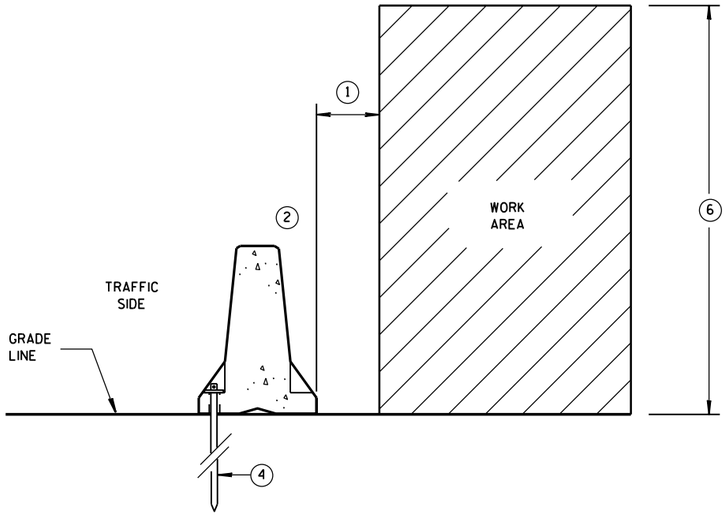
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

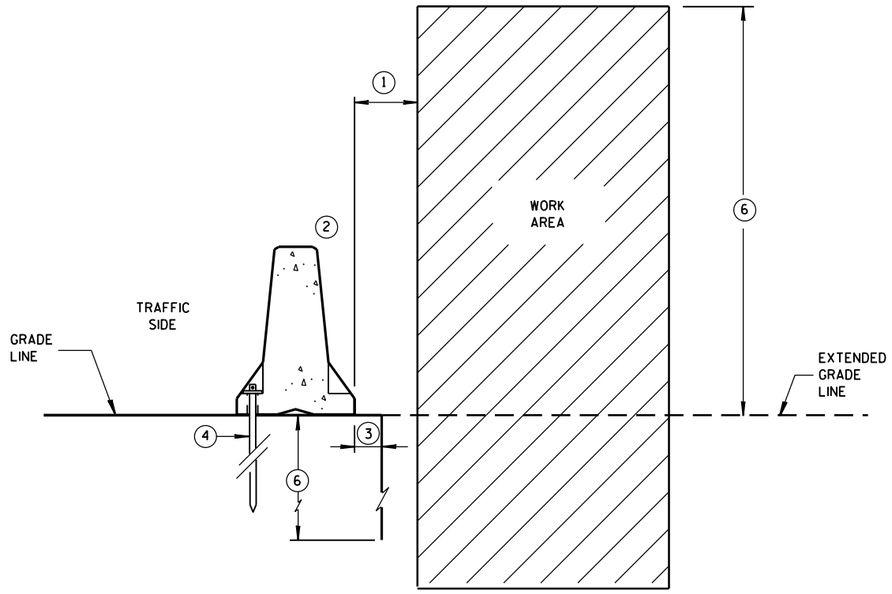
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

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

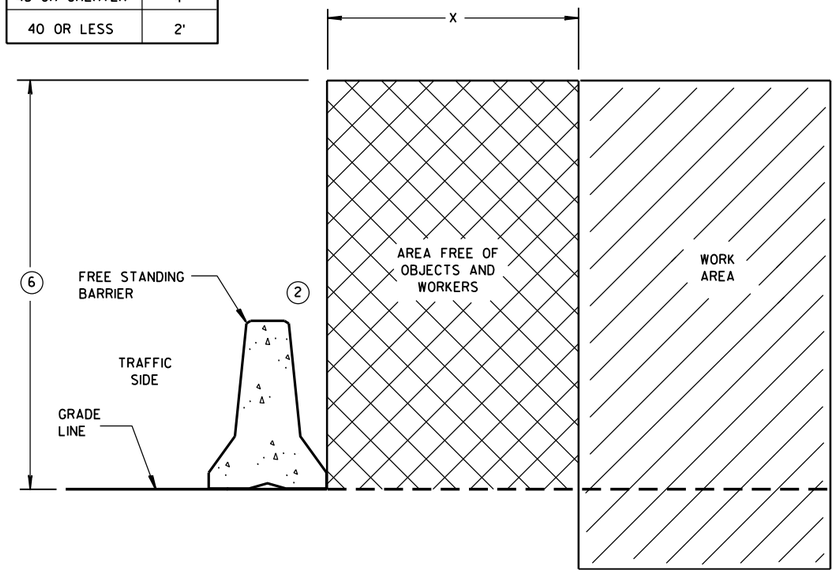


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

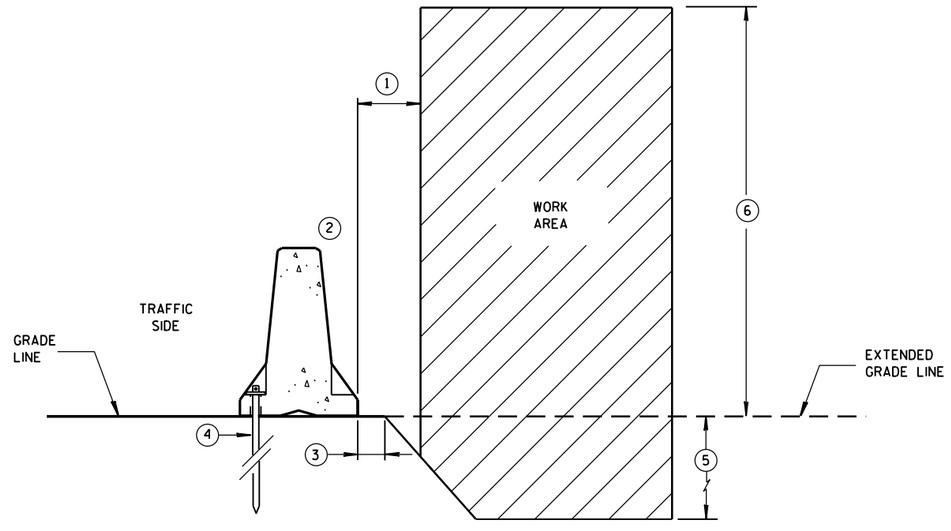
GENERAL NOTES

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



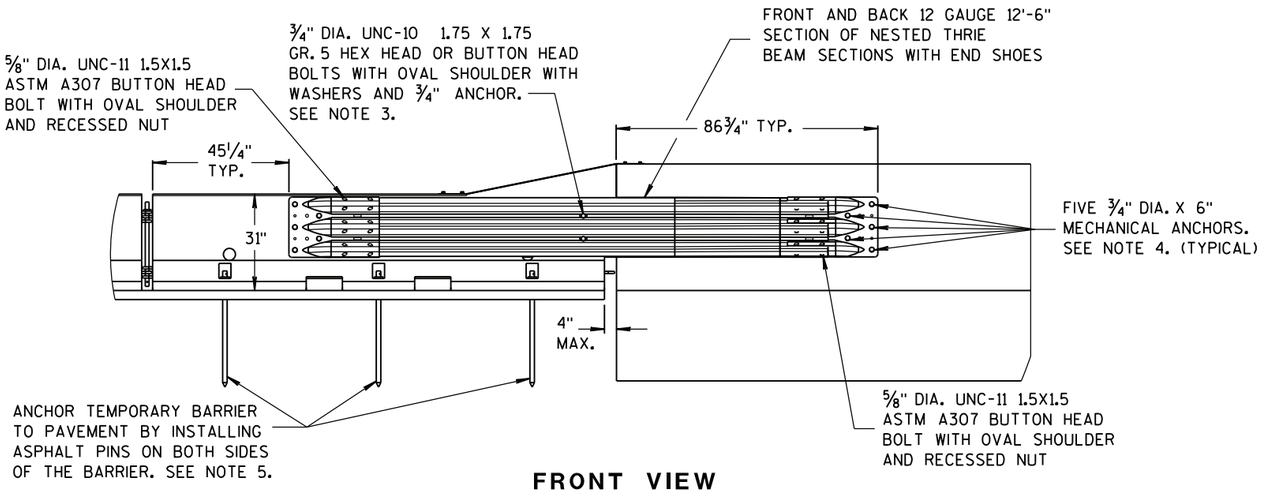
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

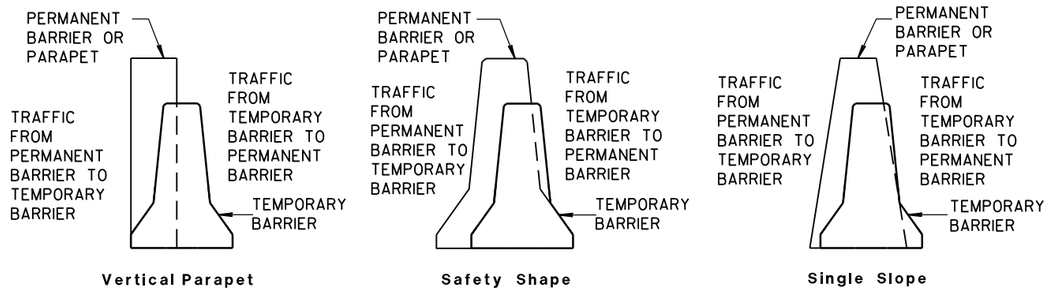
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-15e



FRONT VIEW

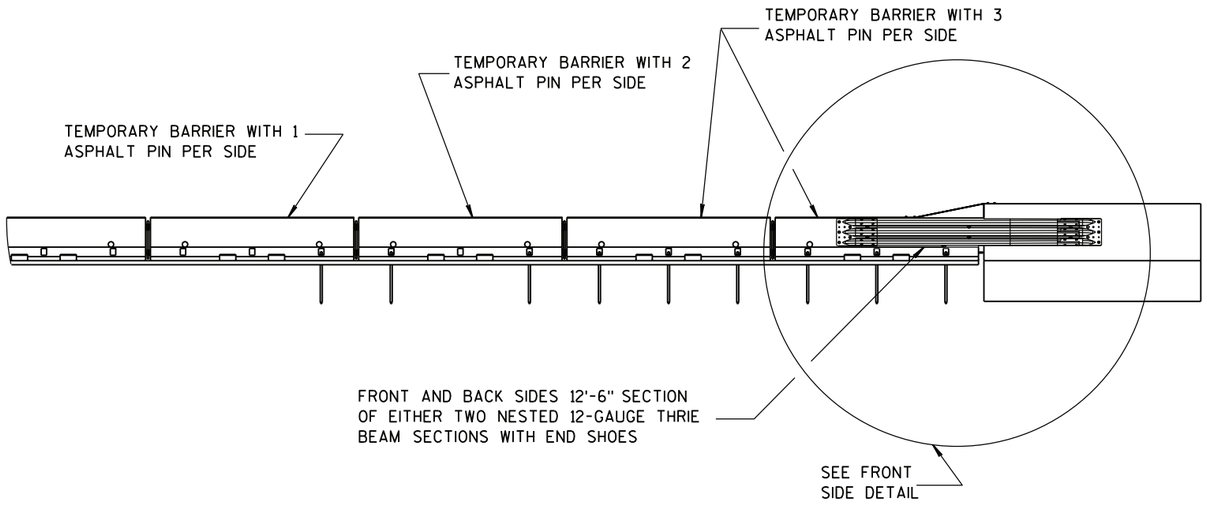


TEMPORARY BARRIER PLACEMENT FOR TRANSITION TO TIED DOWN SYSTEM

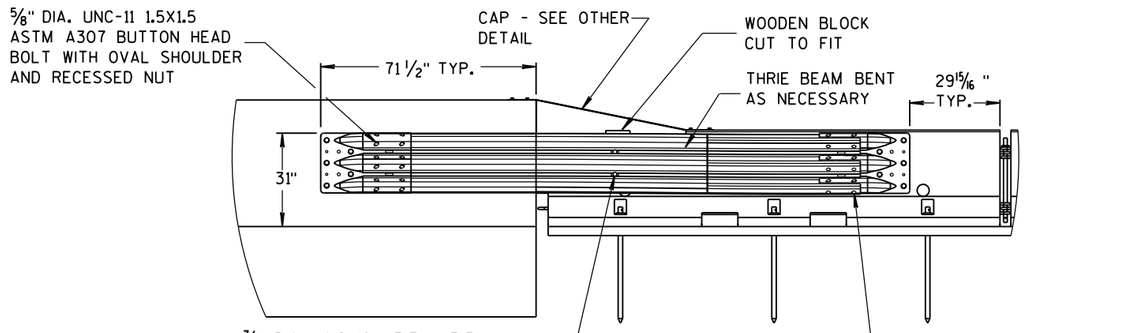
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

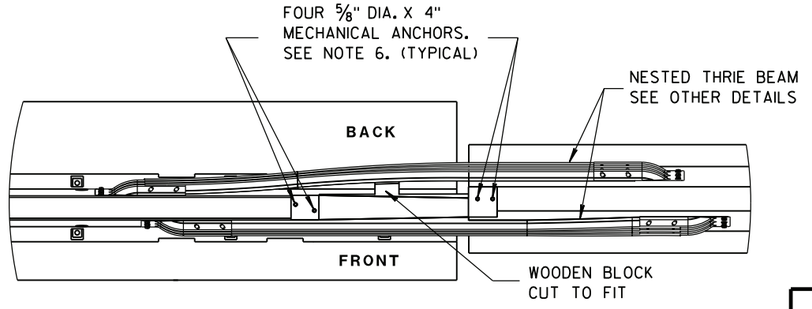
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 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.



FRONT VIEW



BACK VIEW



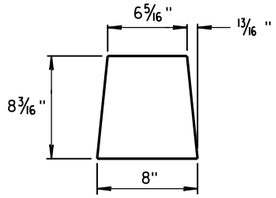
PLAN VIEW

TRANSITION TO TIED DOWN SYSTEM

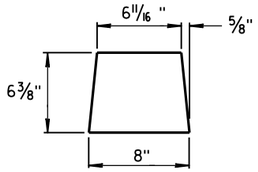
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

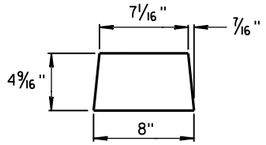
6
S.D.D. 14 B 7-15f



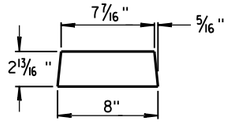
GUSSET 1



GUSSET 2

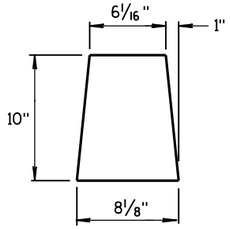


GUSSET 3

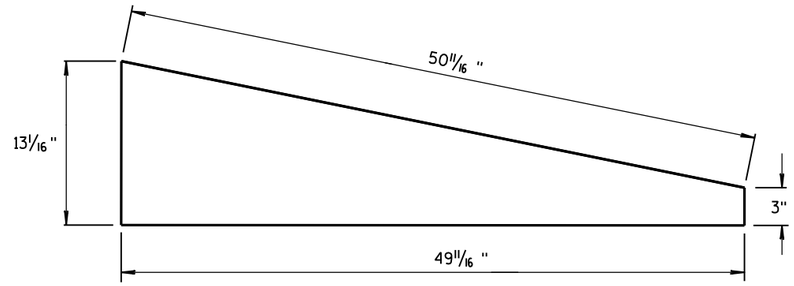


GUSSET 4

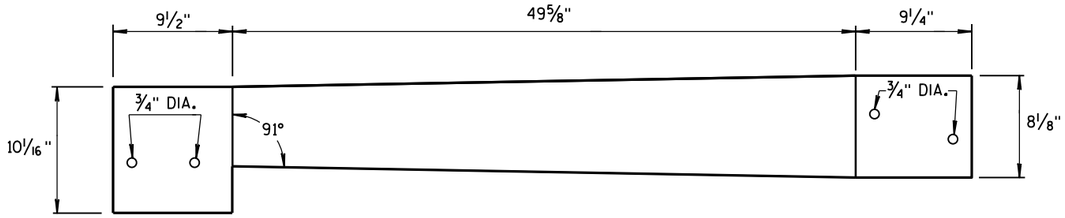
GUSSETS

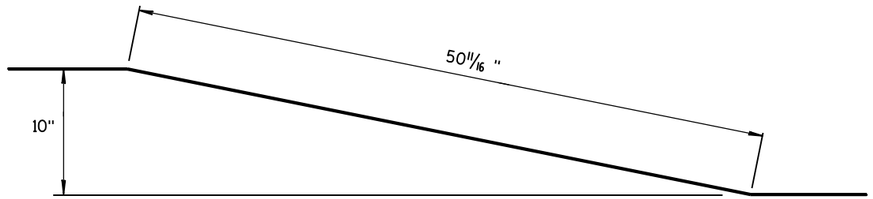


END PLATE



SIDE PLATE

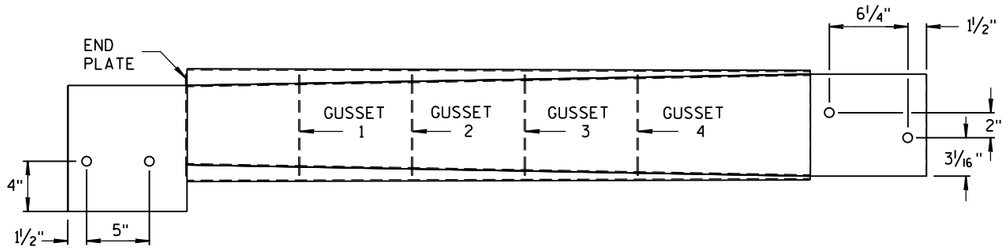


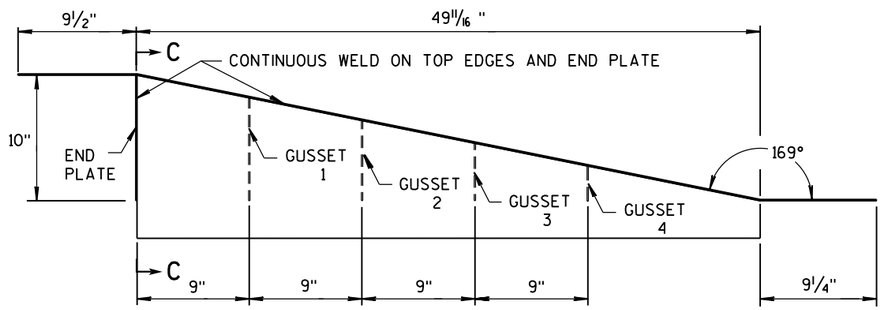


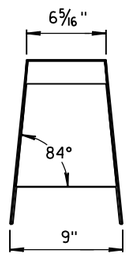
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

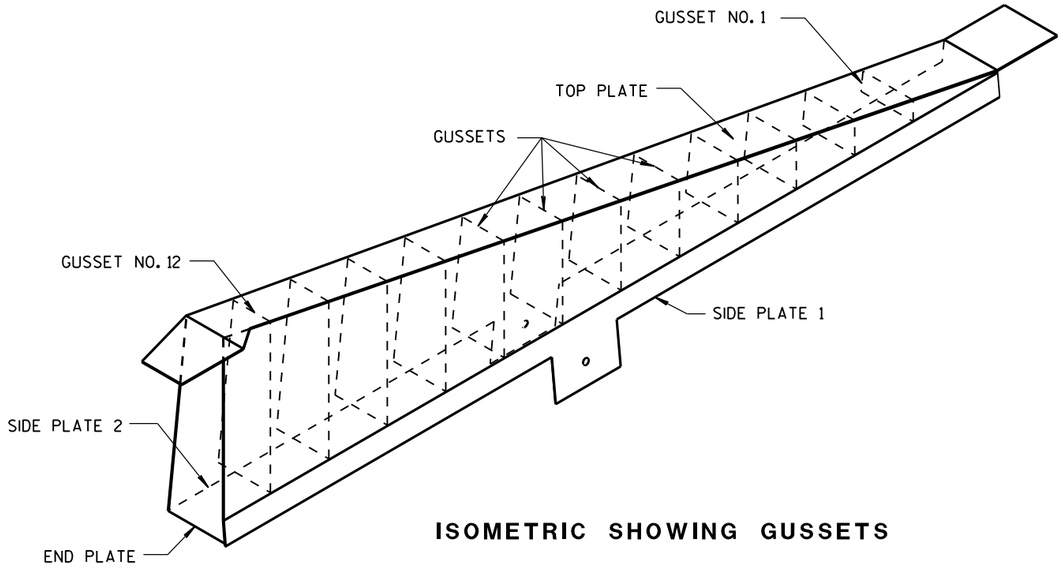
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

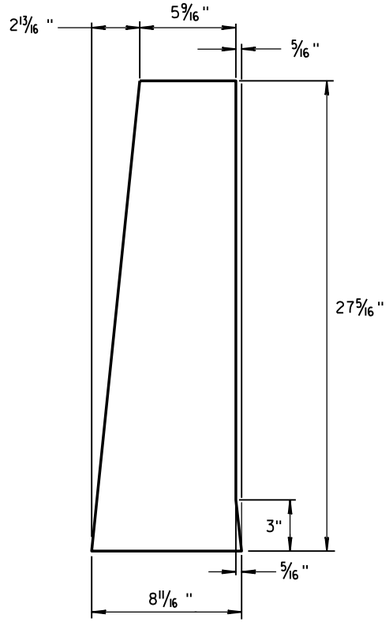
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15g

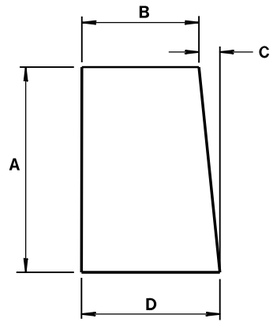


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



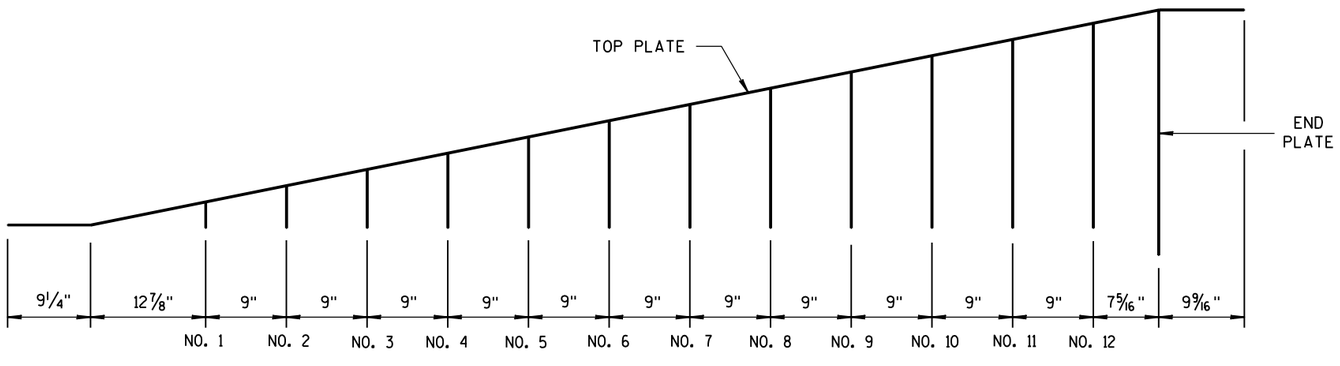
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

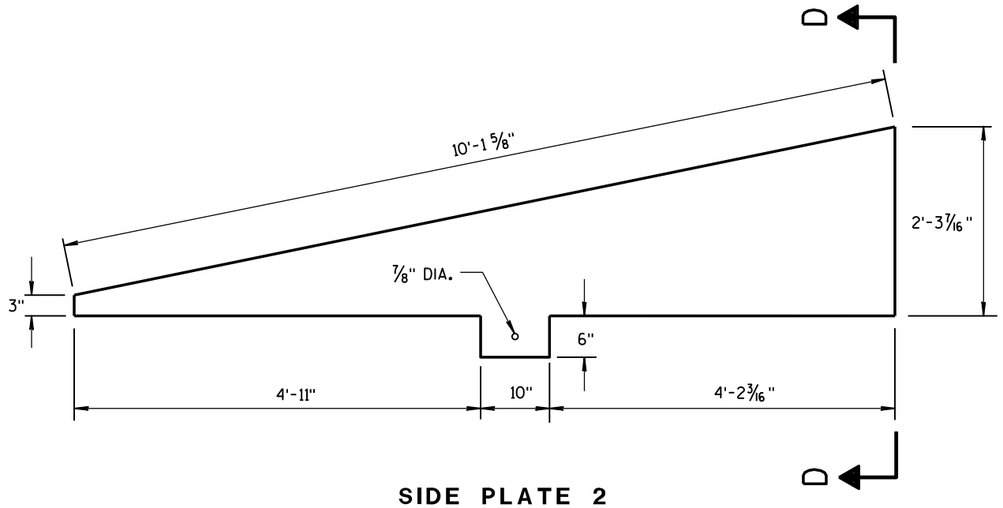
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

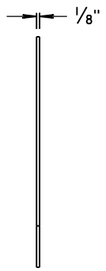
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

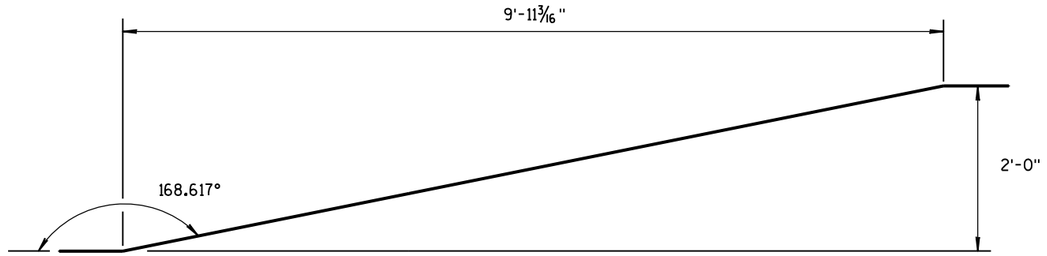
S.D.D. 14 B 7-15h



SIDE PLATE 2

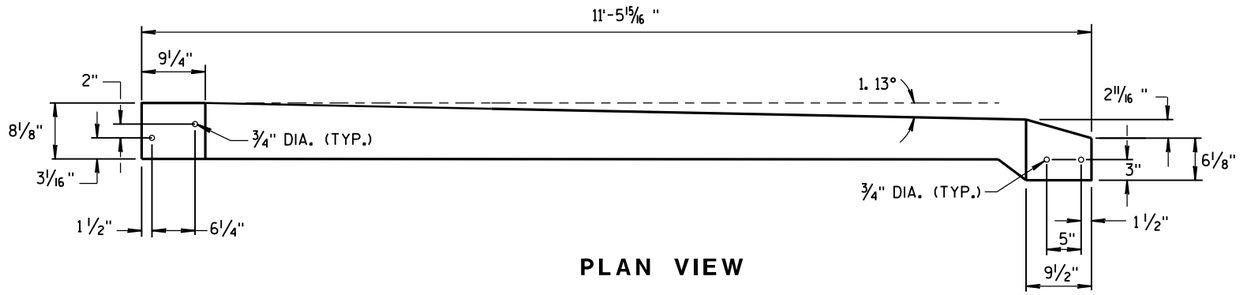


END VIEW



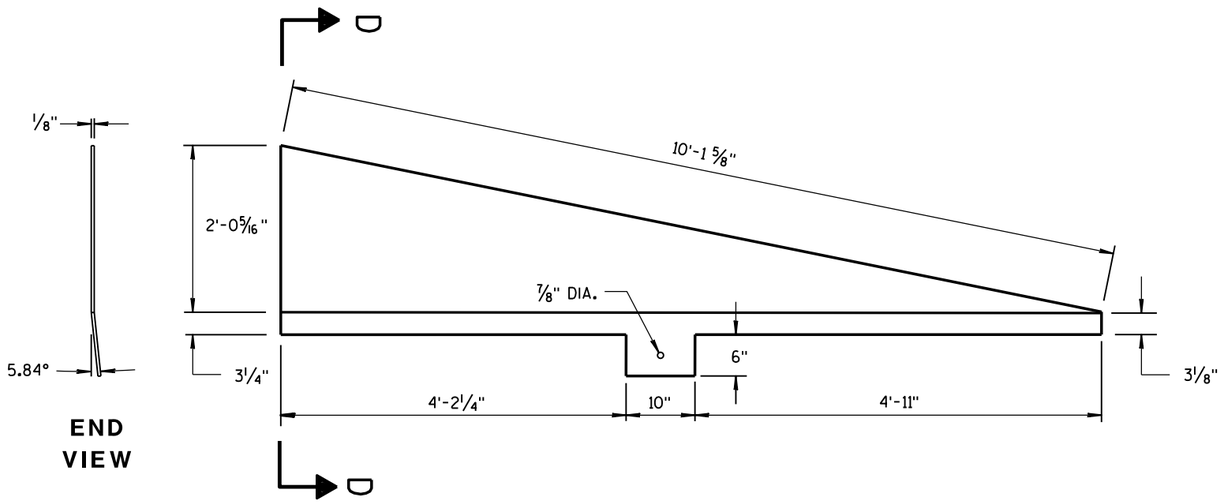
SIDE VIEW

TOP PLATE



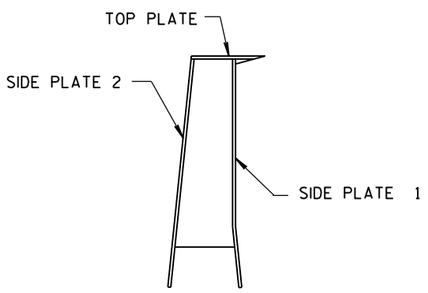
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER

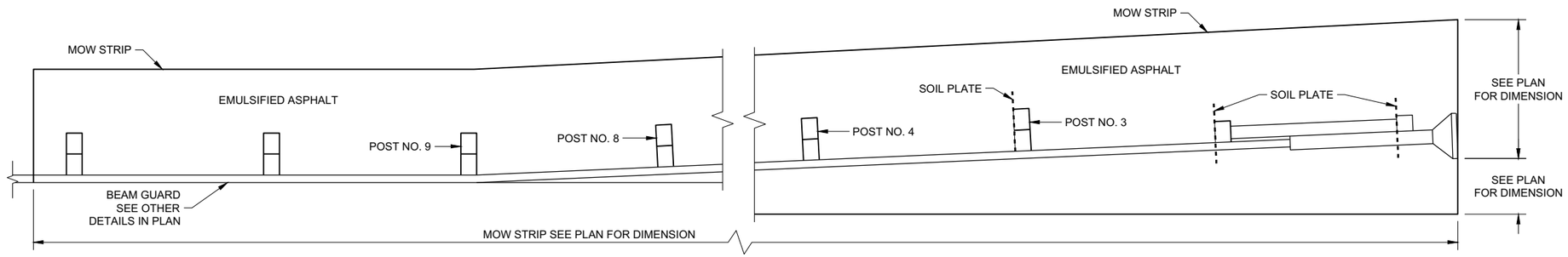
FHWA

6

S.D.D. 14 B 7-15i

6

S.D.D. 14 B 7-15i



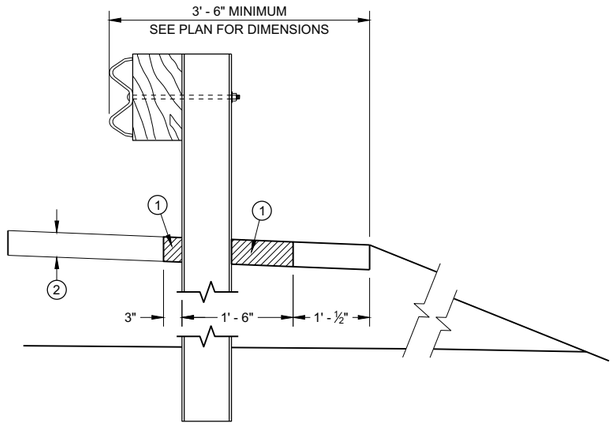
PLAN VIEW

MOW STRIP LAYOUT FOR ENERGY ABSORBING TERMINAL

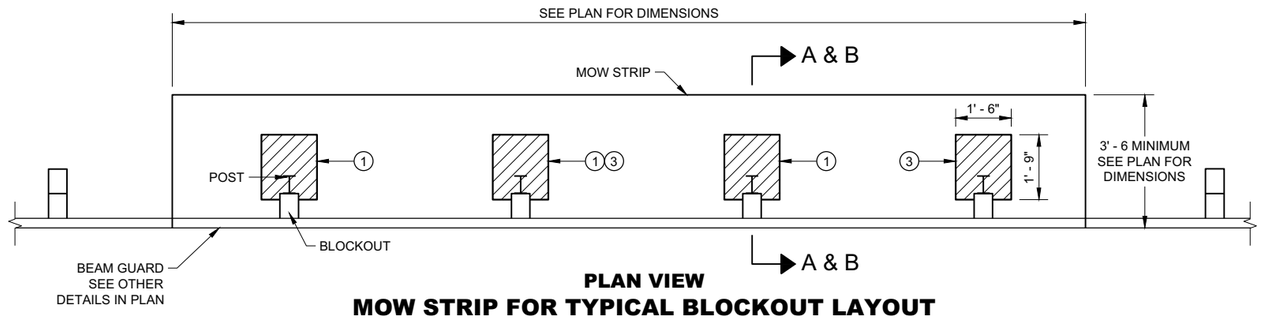
GENERAL NOTES

ONLY USE STEEL POSTS IN CONCRETE AND ASPHALT MOW STRIPS.

1. CONTROLLED LOW-STRENGTH BACKFILL OR EMULSIFIED ASPHALT.
2. DEPTH OF MOW STRIP:
   ASPHALT - 4"
   CONCRETE - 4"
   EMULSIFIED ASPHALT - 1" OR LESS
3. FOR EMULSIFIED ASPHALT, MOW STRIP STRIP LEAVE OUTS NOT REQUIRED. (TYPICAL FOR ALL POSTS)

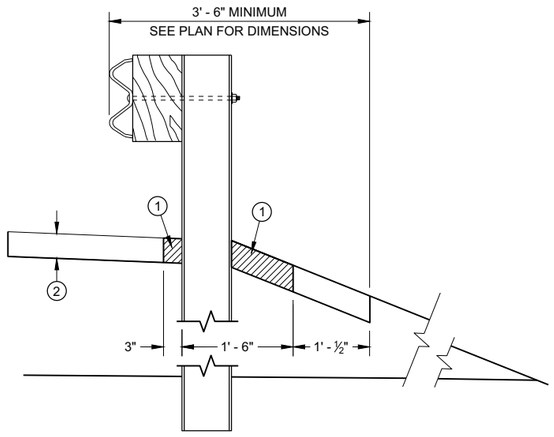


SECTION A - A

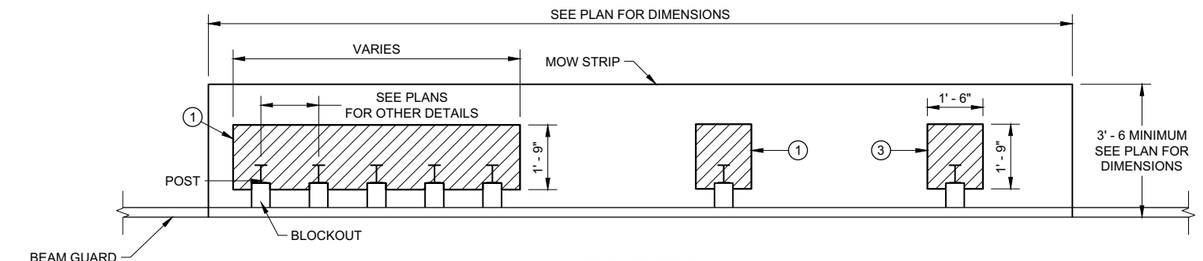


PLAN VIEW

MOW STRIP FOR TYPICAL BLOCKOUT LAYOUT

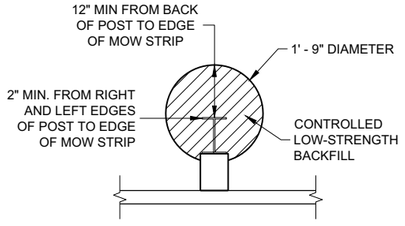


SECTION B - B

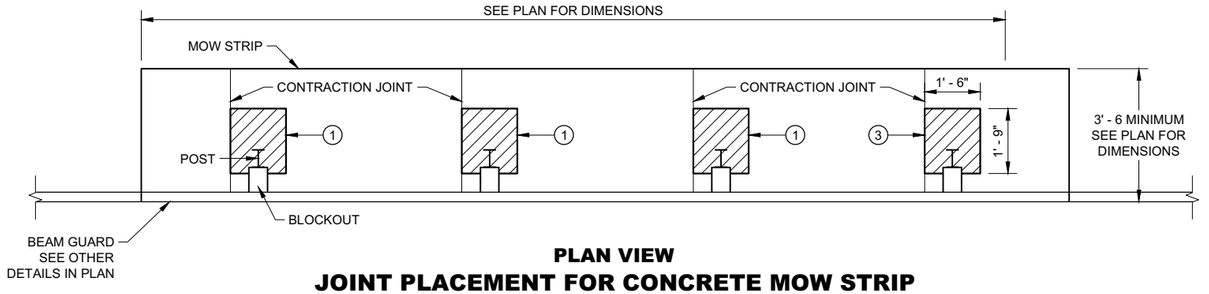


PLAN VIEW

MOW STRIP FOR TIGHT SPACING LAYOUT



ALTERNATIVE HMA MOW STRIP DESIGN



PLAN VIEW

JOINT PLACEMENT FOR CONCRETE MOW STRIP

GUARDRAIL MOW STRIP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B28 - 04a

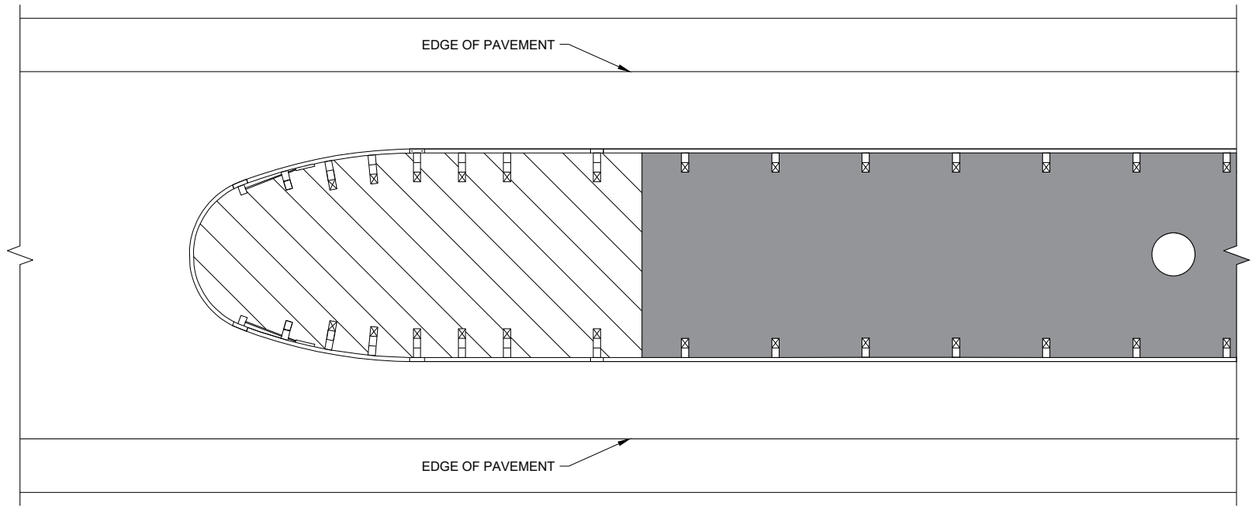
LEGEND

CONCRETE, ASPHALT, OR EMULSIFIED ASPHALT MOW STRIP (SEE OTHER DETAILS)

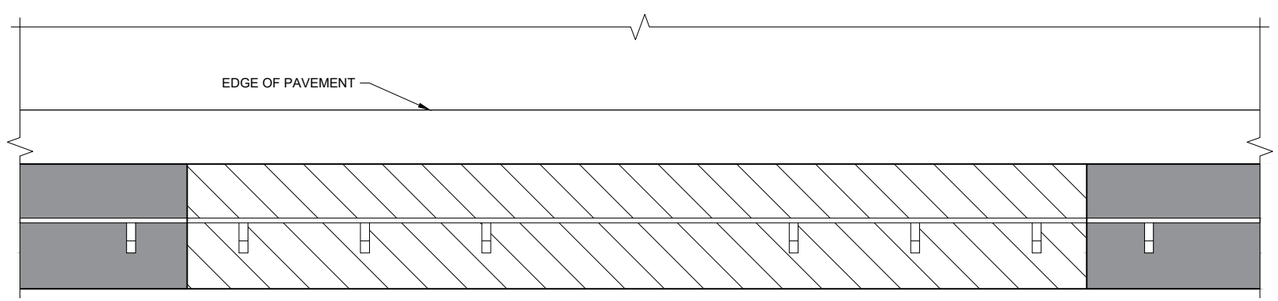
EMULSIFIED ASPHALT MOW STRIP (SEE OTHER DETAILS)

GENERAL NOTES

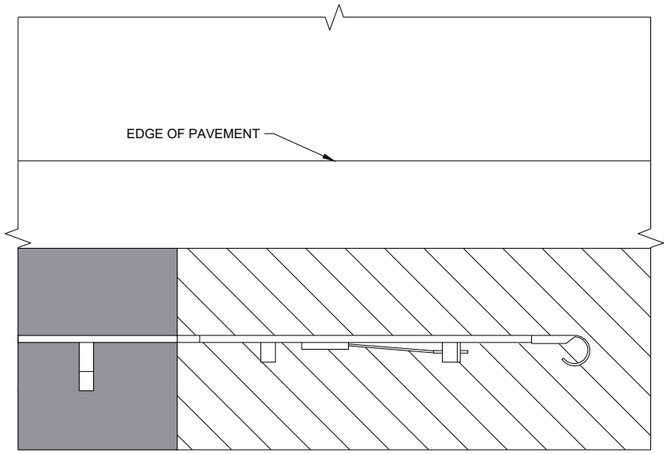
EXISTING THRIE BEAM BULLNOSES MAY HAVE WOOD POSTS. NEW THRIE BEAM BULLNOSE WILL HAVE STEEL POSTS.



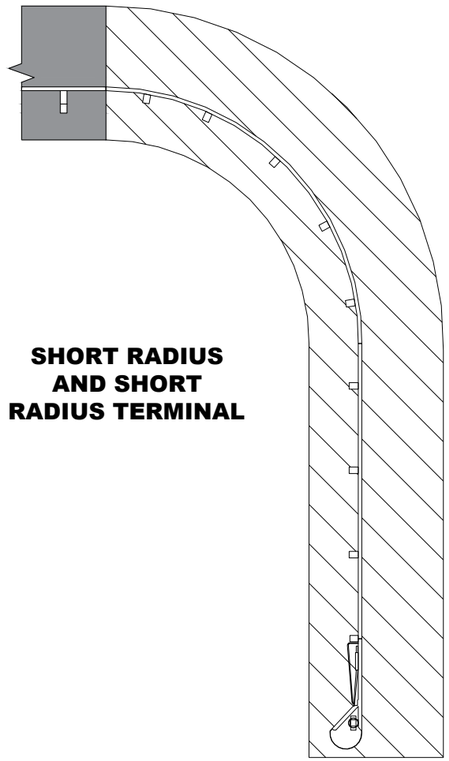
THRIE BEAM BULLNOSE



LONG - SPAN



TYPE 2 TERMINAL



SHORT RADIUS AND SHORT RADIUS TERMINAL

GUARDRAIL MOW STRIP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
ENGINEER

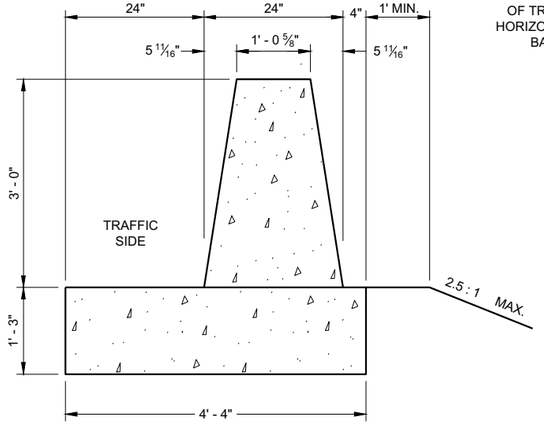
FHWA

6

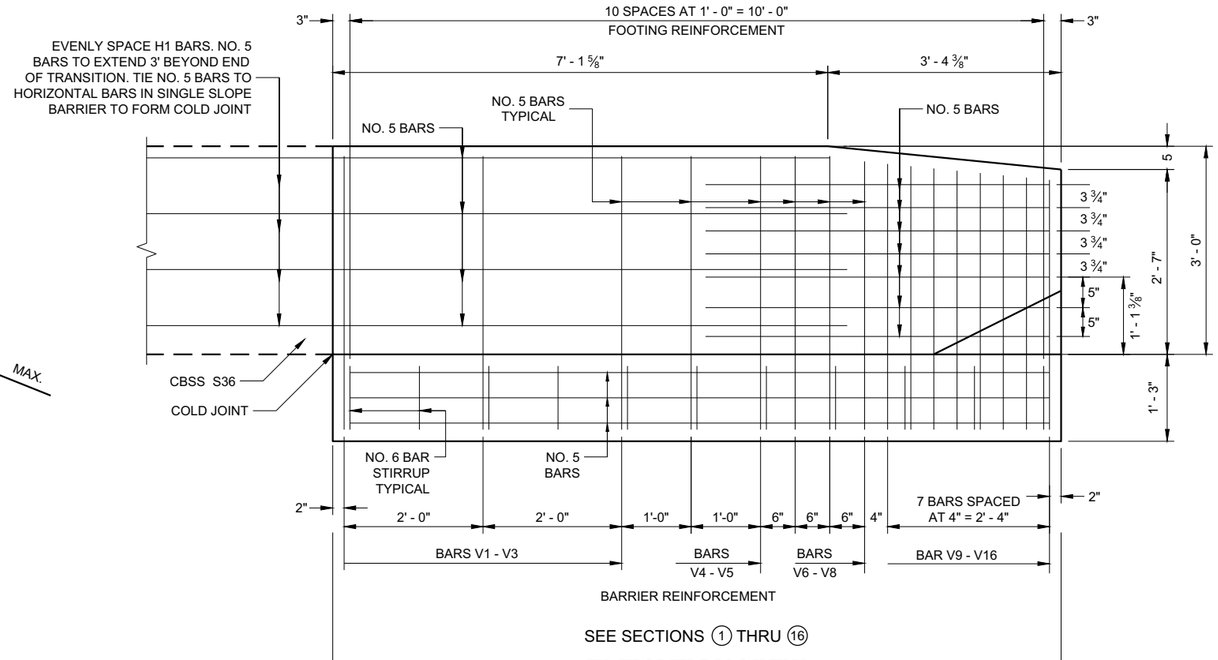
SDD 14B28 - 04b

6

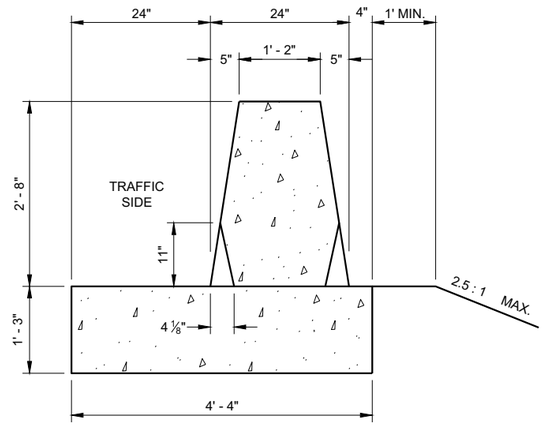
SDD 14B28 - 04b



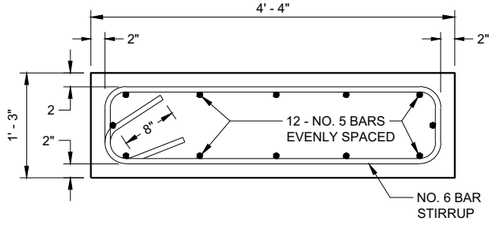
SECTION A - A



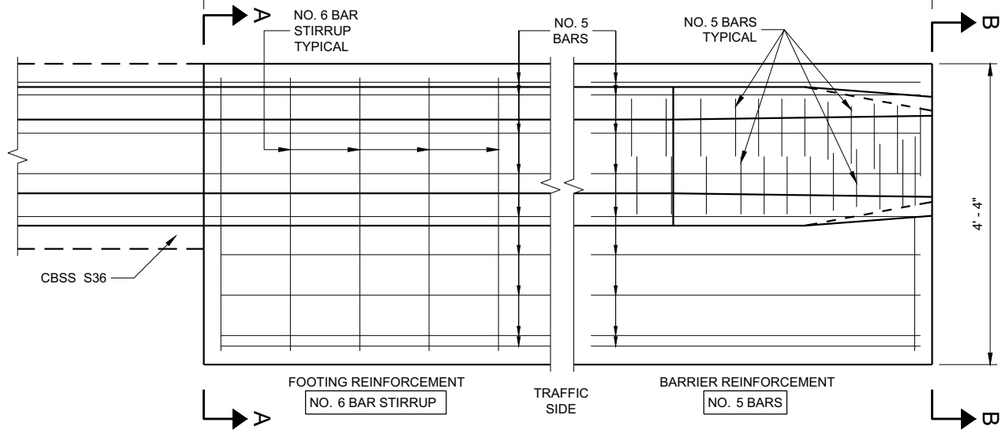
ELEVATION VIEW



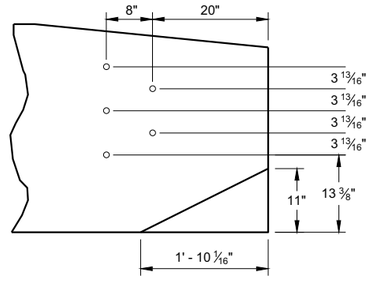
SECTION B - B



TYPICAL FOOTING



PLAN VIEW



PVC PIPE LOCATIONS

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 603.

SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASTENED TOGETHER UNLESS OTHERWISE NOTED.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.

USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.

THRIE BEAM ANCHOR INCIDENTAL TO CONCRETE BARRIER ITEM.

INSTALL SCHEDULE 40 PVC PIPE 1" DIAMETER AT LOCATIONS INDICATED.

EXTEND PVC PIPE COMPLETELY THROUGH BARRIER.

CUT ENDS OF PVC PIPE FLUSH WITH FINISHED FACE OF BARRIER.

THE NUMBER IN BAR DESIGNATION REPRESENTS THE BARS LOCATION.

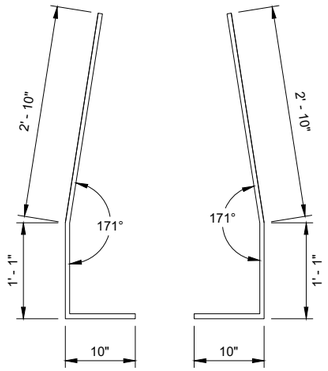
2" CLEAR COVER TYPICAL.

CONCRETE BARRIER SINGLE SLOPE 36" THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B33 - 02d

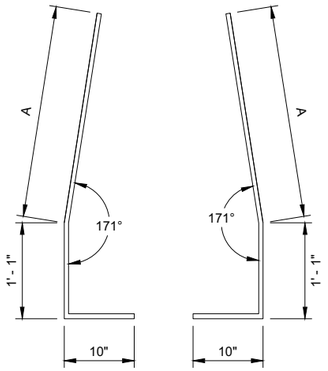
SDD 14B33 - 02d



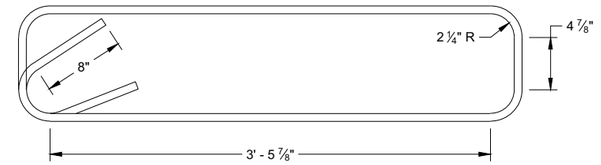
BAR BENDING DETAIL
SECTIONS V1- V6

BAR CHART
BAR POSITIONS
7 - 11

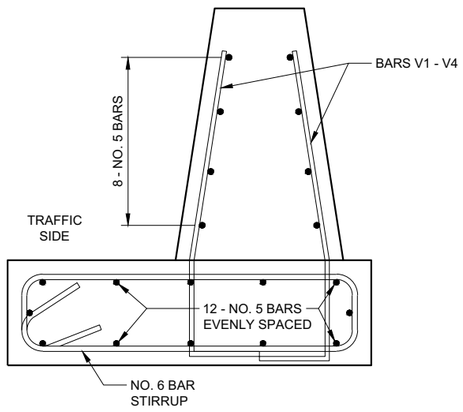
BAR	A
V7	2' - 10 ¼"
V8	2' - 9 ¾"
V9	2' - 9 ¼"
V10	2' - 9"
V11	2' - 8 ½"



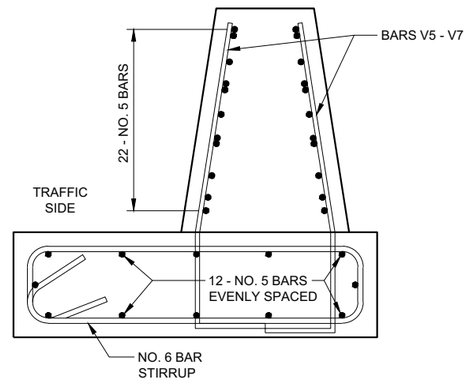
BAR BENDING DETAIL
SECTIONS V7- V11



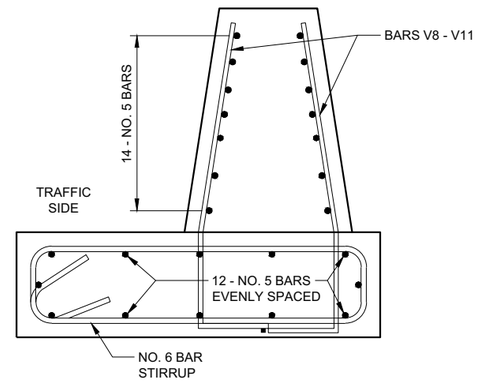
STIRRUP BAR
BENDING DETAIL



BAR DETAIL
SECTIONS 1 - 4



BAR DETAIL
SECTIONS 5 - 7



BAR DETAIL
SECTIONS 8 - 11

6

SDD 14B33 - 02e

6

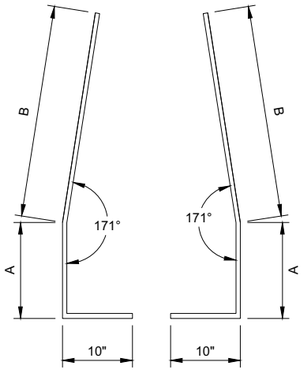
SDD 14B33 - 02e

CONCRETE BARRIER
SINGLE SLOPE 36"
THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

BAR CHART
BAR POSITIONS
12 - 13

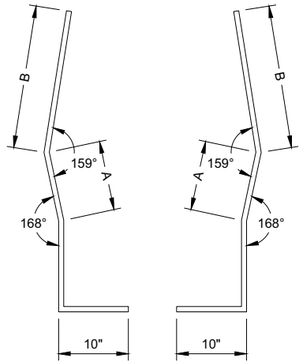
BAR	A	B
V12	1' - 3"	2' - 6"
V13	1' - 8"	2' - 1 ½"



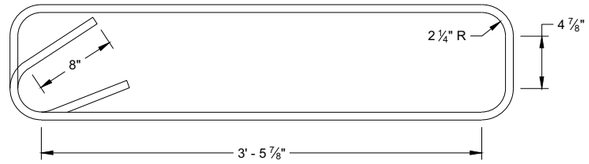
BAR BENDING DETAIL
SECTIONS V12 - V13

BAR CHART
BAR POSITIONS
14 - 16

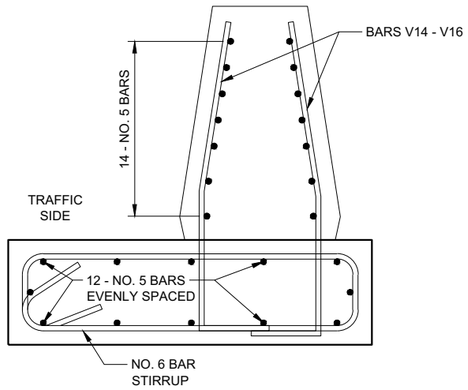
BAR	A	B
V14	6"	2' - 1"
V15	8"	1' - 11"
V16	10"	1' - 8 ½"



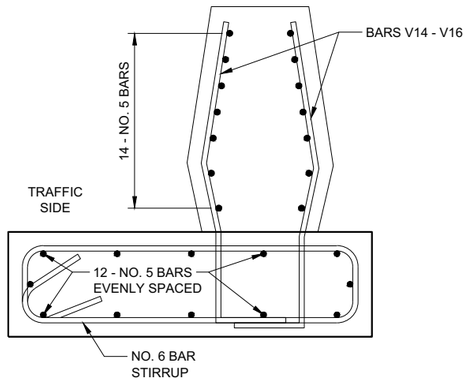
BAR BENDING DETAIL
SECTIONS V14 - V16



STIRRUP BAR
BENDING DETAIL



BAR DETAIL
SECTIONS 12 - 13



BAR DETAIL
SECTIONS 14 - 16

CONCRETE BARRIER
SINGLE SLOPE 36"
THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

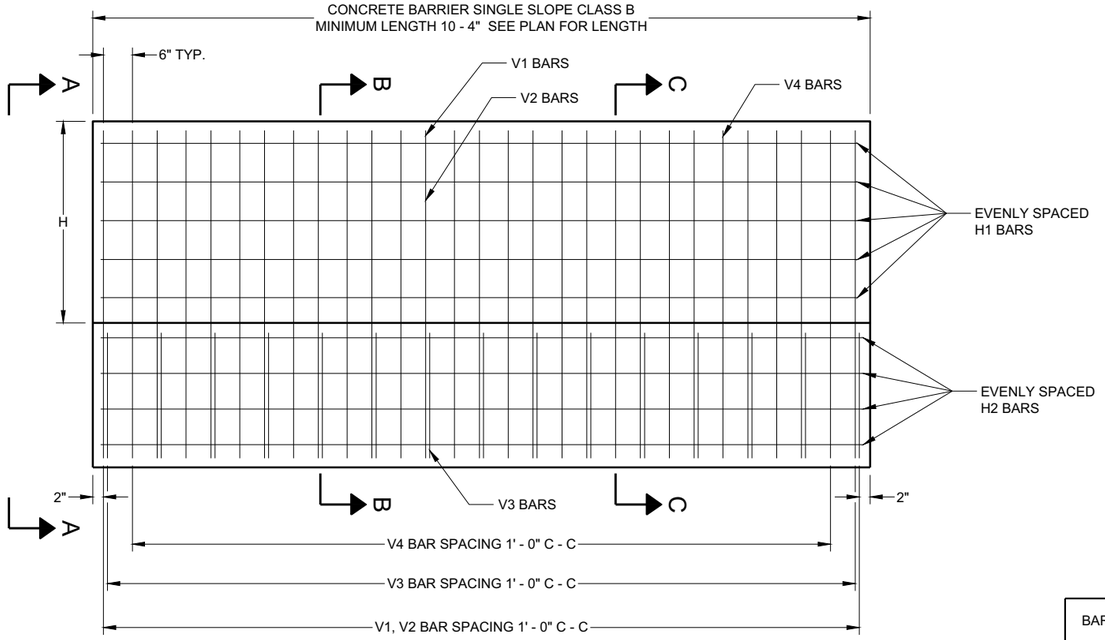
APPROVED
February 2020
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

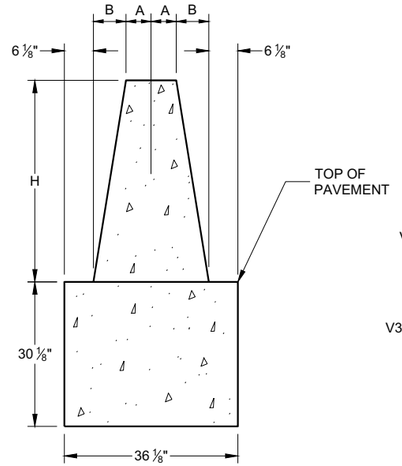
FHWA

6

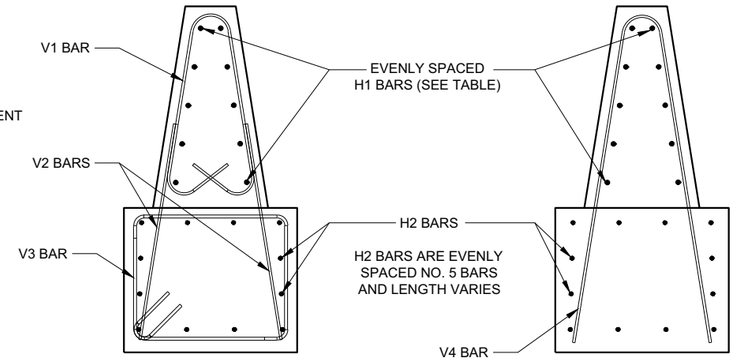
SDD 14B33 - 02f



ELEVATION VIEW



SECTION A - A

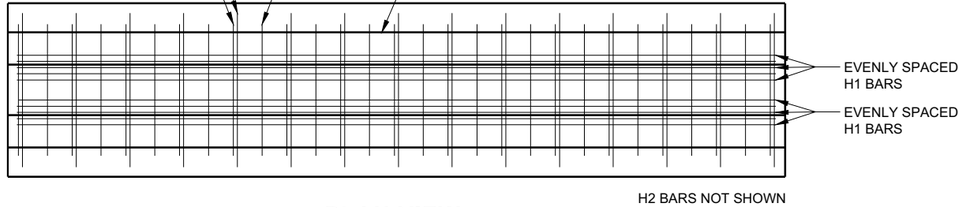


SECTION B - B

SECTION C - C

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF H1 BARS EACH
32	7	5	8
36	6 ¼	5 ¾	8
42	5 ¼	6 ¾	10

BARRIER HEIGHT H INCHES	V1 BAR		V4 BAR	
	C RAD. INCHES	D INCHES	E RAD. INCHES	F INCHES
32	5 ⅝	18 ¾	5 ½	53 ¾
36	4 ¾	23 ¾	4 ⅞	58 ⅜
42	3 ⅝	30 ½	3 ⅝	65 ⅜



PLAN VIEW

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 603.

SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASTENED TOGETHER UNLESS NOTED OTHERWISE.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS 501.

USE ¾ " BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS NOTED OTHERWISE.

THE NUMBER IN BAR DESIGNATION REPRESENTS THE BARS LOCATION.

2" CLEAR COVER TYPICAL.

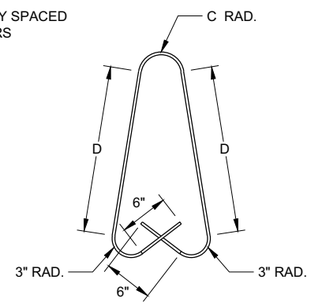
WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.

PAVEMENT AND PRINCIPAL WALL JOINTS. EXPANSION JOINT FILLER MATERIAL.

PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.

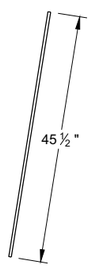
WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP-FORMING CUT OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAPS TO BE FIRMLY TIED.

IF REQUIRED USE THRIE BEAM ANCHOR. NO OTHER ANCHOR REQUIRED.



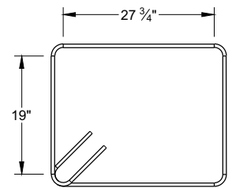
V1 BAR BENDING DETAIL

V1 BARS ARE NO. 4 BARS



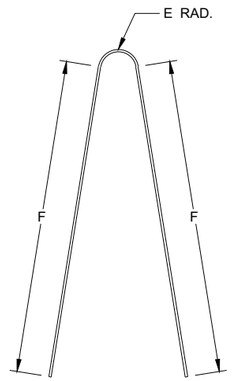
V2 BAR DETAIL

V2 BARS ARE NO. 5 BARS



V3 BAR BENDING DETAIL

V3 BARS ARE NO. 6 BARS



V4 BAR BENDING DETAIL

V4 BARS ARE NO. 6 BARS

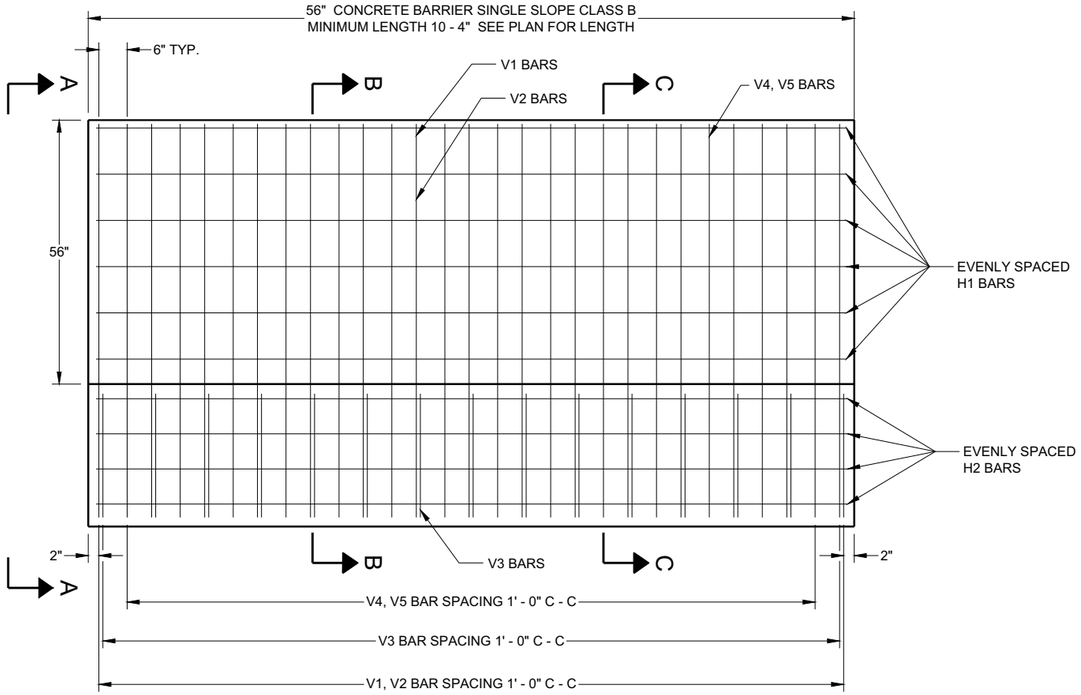
32", 36", & 42"
CONCRETE BARRIER
SINGLE SLOPE CLASS B

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

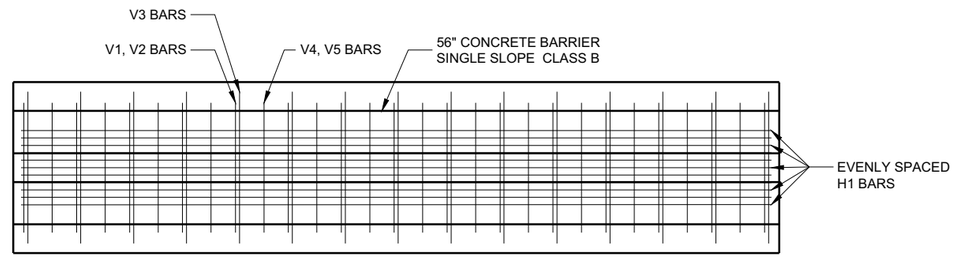
6

SDD 14B34 - 02a

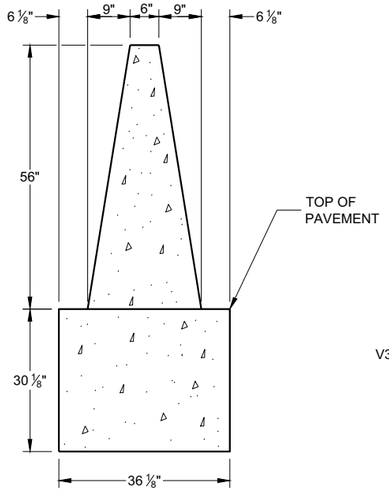
SDD 14B34 - 02a



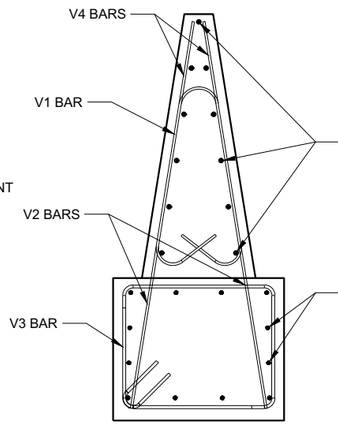
ELEVATION VIEW



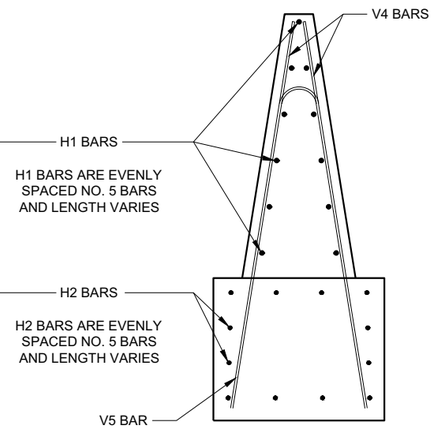
PLAN VIEW



SECTION A - A



SECTION B - B



SECTION C - C

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 603.

SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASTENED TOGETHER UNLESS NOTED OTHERWISE.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS 501.

USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS NOTED OTHERWISE.

THE NUMBER IN BAR DESIGNATION REPRESENTS THE BARS LOCATION.

2" CLEAR COVER TYPICAL.

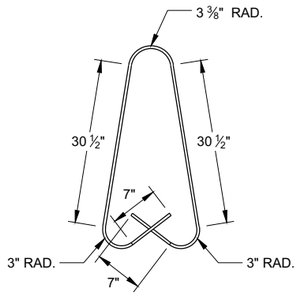
WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.

PAVEMENT AND PRINCIPAL WALL JOINTS. EXPANSION JOINT FILLER MATERIAL.

PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.

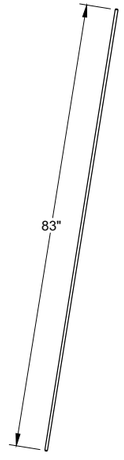
WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP-FORMING CUT OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAPS TO BE FIRMLY TIED.

IF REQUIRED USE THRIE BEAM ANCHOR. NO OTHER ANCHOR REQUIRED.



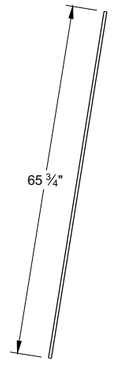
V1 BAR BENDING DETAIL

V1 BARS ARE NO. 4 BARS



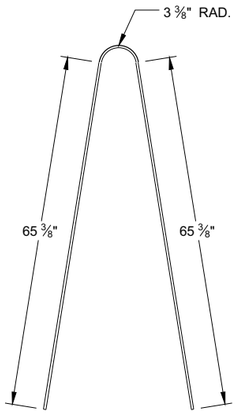
V2 BAR DETAIL

V2 BARS ARE NO. 5 BARS



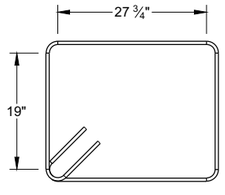
V4 BAR DETAIL

V4 BARS ARE NO. 5 BARS



V5 BAR BENDING DETAIL

V5 BARS ARE NO. 6 BARS



V3 BAR BENDING DETAIL

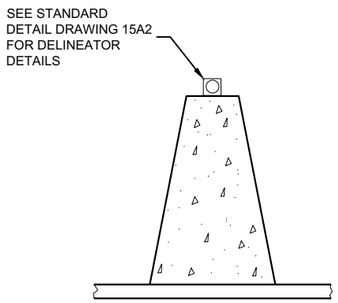
V3 BARS ARE NO. 6 BARS

56" CONCRETE BARRIER SINGLE SLOPE CLASS B

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B34 - 02b

SDD 14B34 - 02b



DELINEATION

DELINEATOR SPACING ON HORIZONTAL CURVES

RADIUS OF CURVE	APPROXIMATE SPACING ON CURVE
50 FEET	20 FEET
115 FEET	25 FEET
180 FEET	35 FEET
250 FEET	40 FEET
300 FEET	50 FEET
400 FEET	55 FEET
500 FEET	65 FEET
600 FEET	70 FEET
700 FEET	75 FEET
800 FEET	80 FEET
900 FEET	85 FEET
1000 FEET	90 FEET

DELINEATOR SPACING ON RADIUS GREATER THAN 1000 FEET OR TANGENT SECTIONS

	LENGTH OF BARRIER	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200' > 200'	50' C - C 100' C - C	1 1	3
TWO WAY TRAFFIC	< 200' > 200'	25' C - C 50' C - C	1 1	3
TWO WAY TRAFFIC	< 200' > 200'	50' C - C 100' C - C	2 2	6

6

6

SDD 14B34 - 02c

SDD 14B34 - 02c

CONCRETE BARRIER
SINGLE SLOPE CLASS B

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

07/2018
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

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.

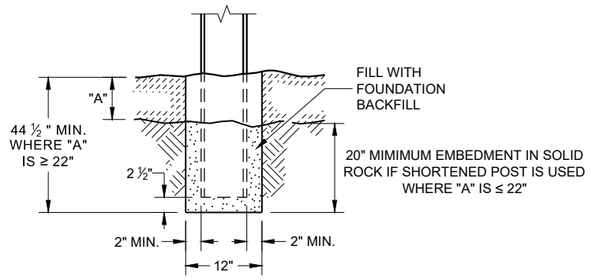
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL 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).

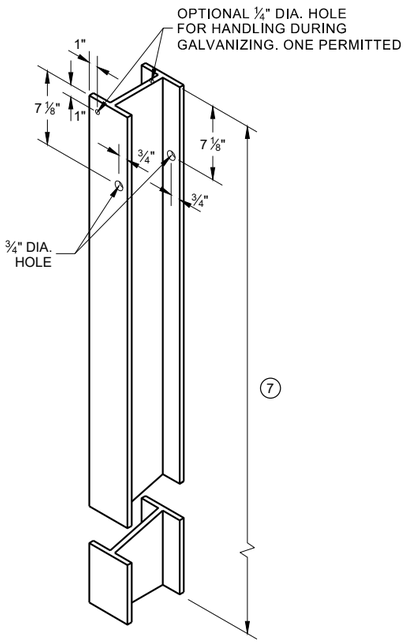
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(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.

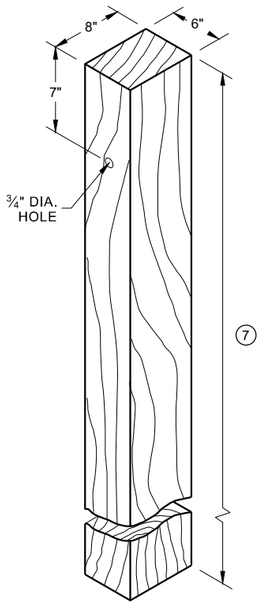
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



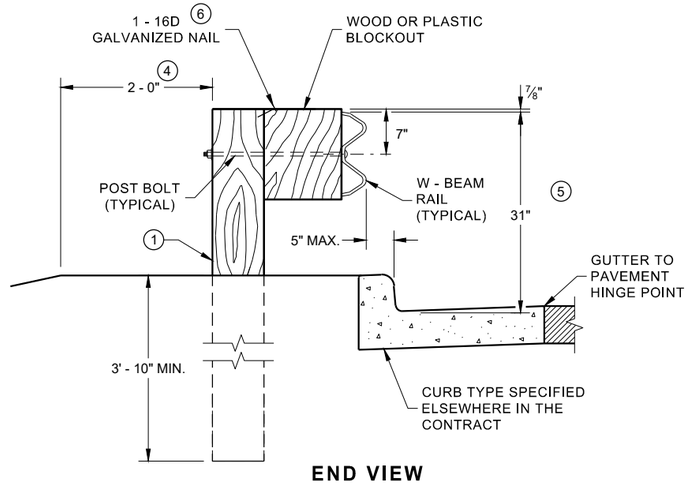
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



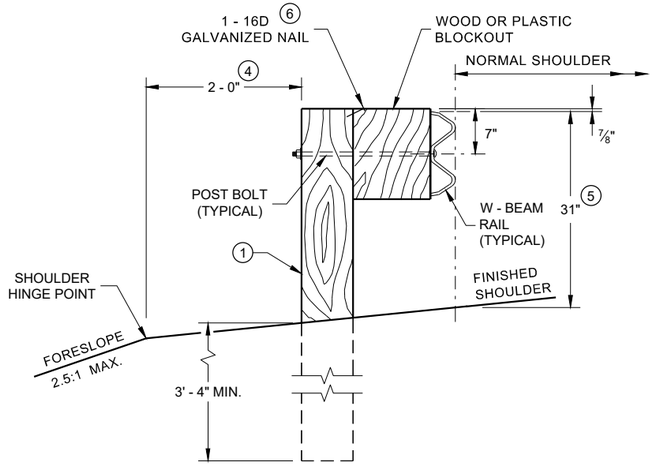
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



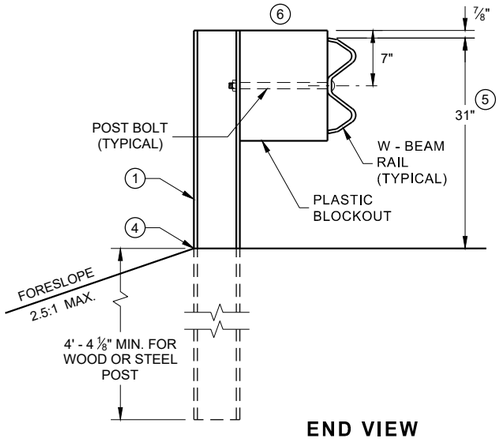
WOOD POST (6" X 8") NOMINAL (1)



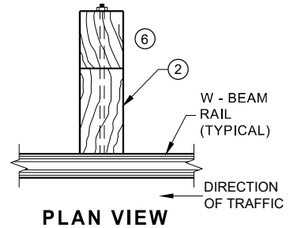
END VIEW
LOCATED ALONG A CURBED ROADWAY



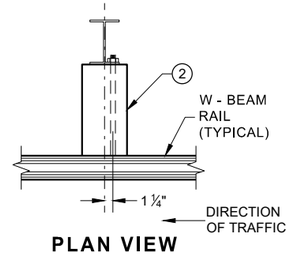
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



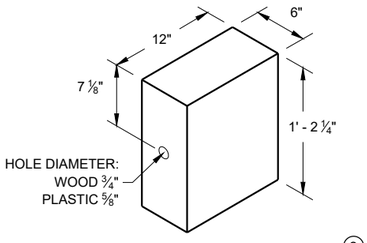
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



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

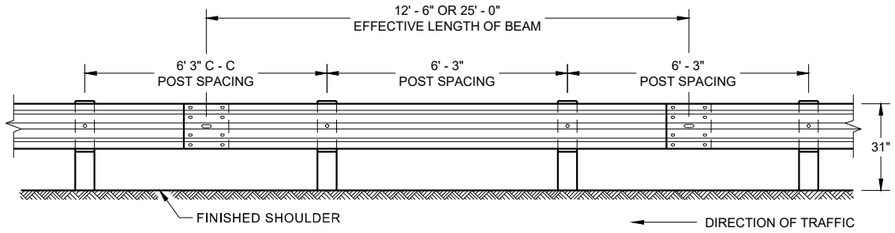
425

6

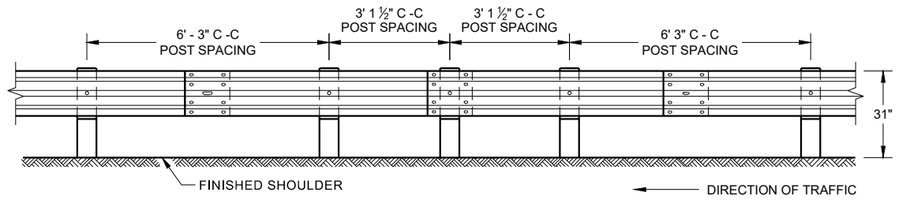
SDD 14B42 - 07a

6

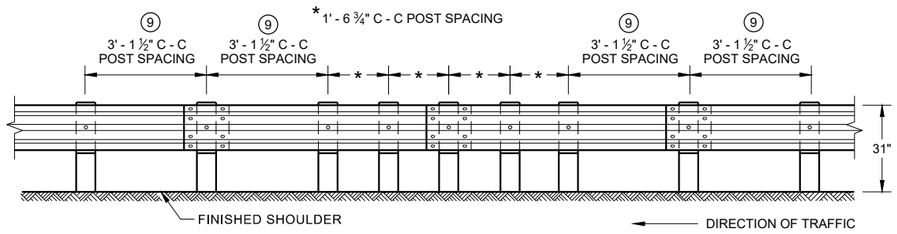
SDD 14B42 - 07a



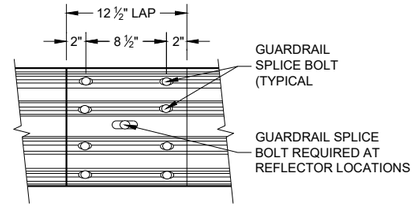
FRONT VIEW
POST SPACING STANDARD INSTALLATION



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

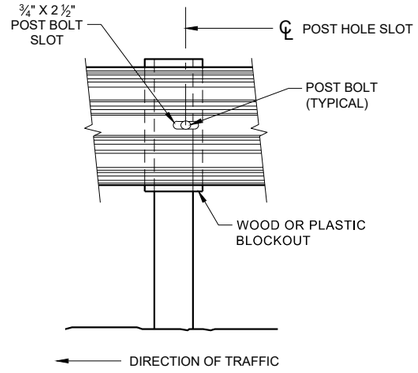
GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

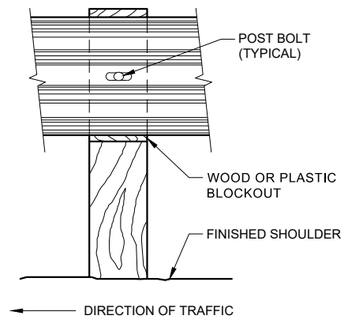
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

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.

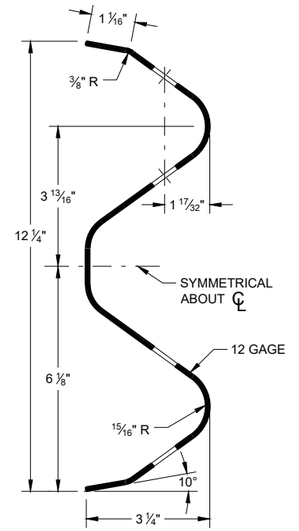
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



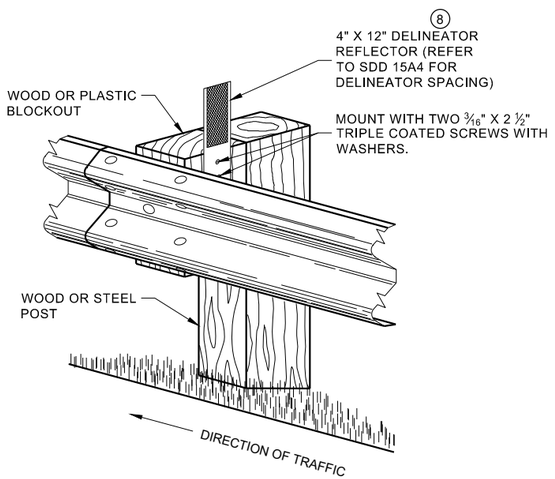
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



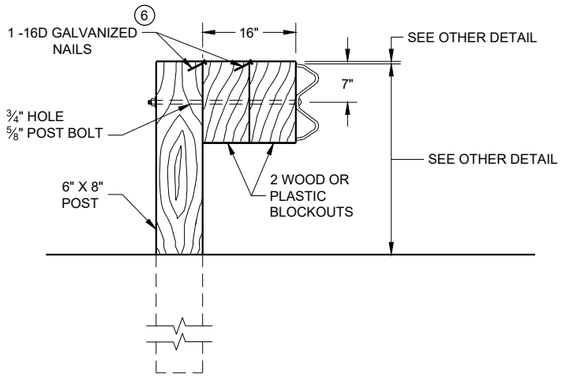
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

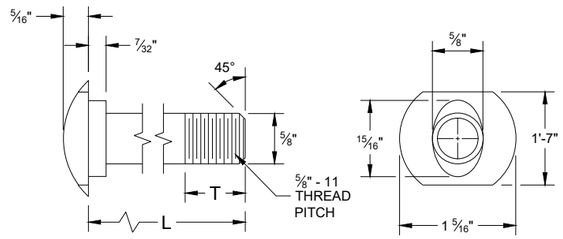


DETAIL FOR 16" BLOCKOUT DEPTH

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.

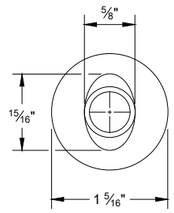
NOTE:

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.

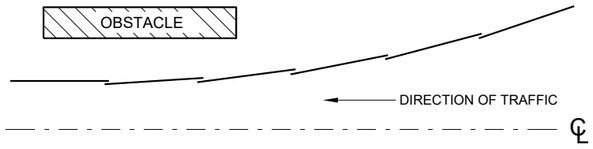


POST BOLT TABLE

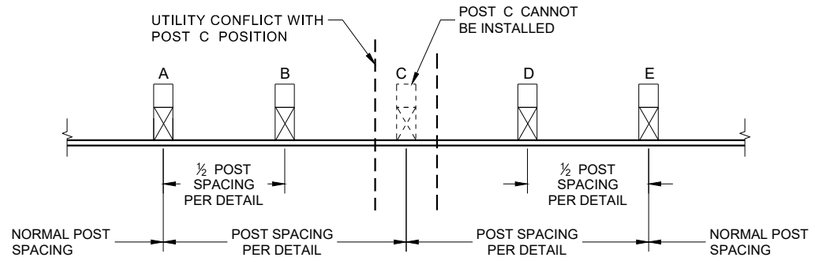
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



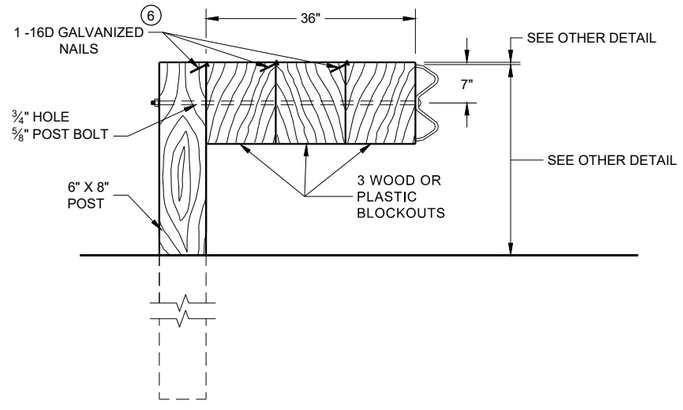
ALTERNATE BOLT HEAD



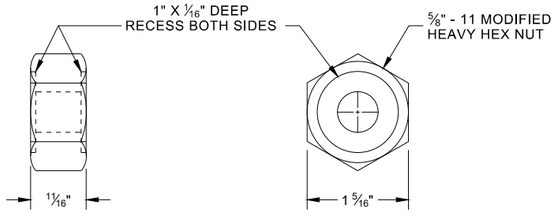
PLAN VIEW
BEAM LAPPING DETAIL



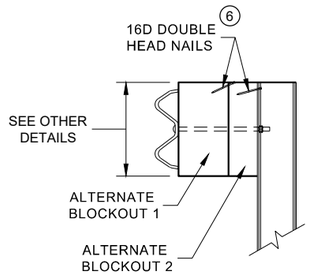
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



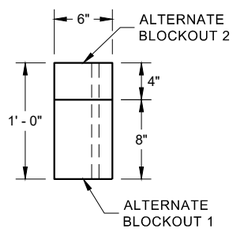
DETAIL FOR 36" BLOCKOUT DEPTH



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.

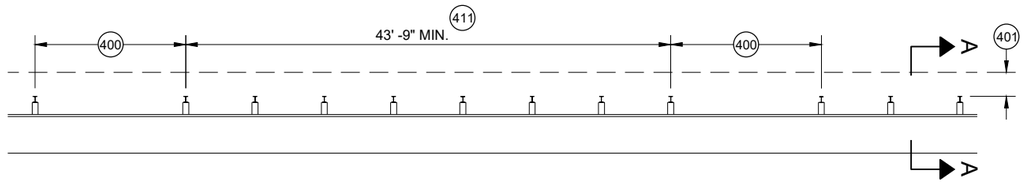
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(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.

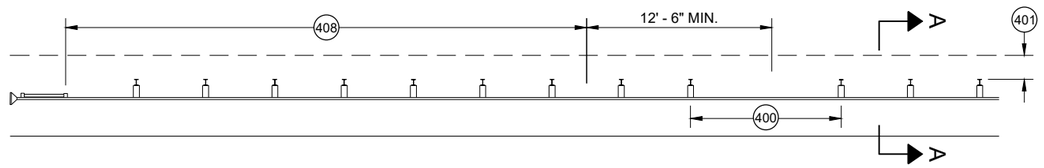
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

6

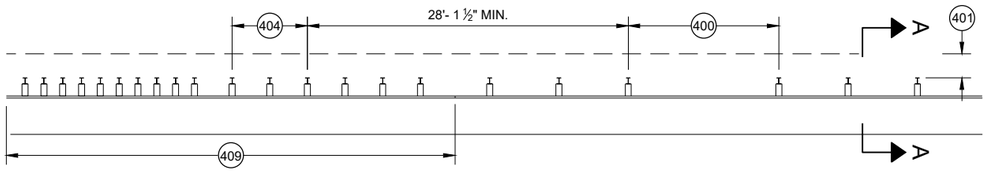
SDD 14B42 - 07c



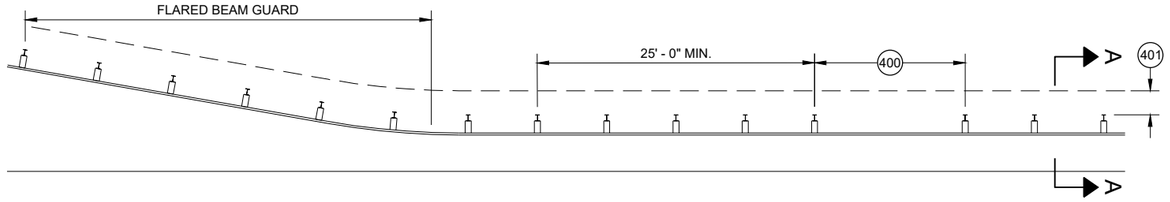
MISSING POST IN MGS GUARDRAIL



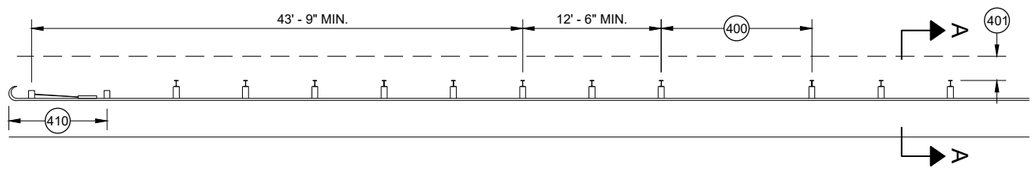
MISSING POST IN MGS GUARDRAIL NEAR EAT



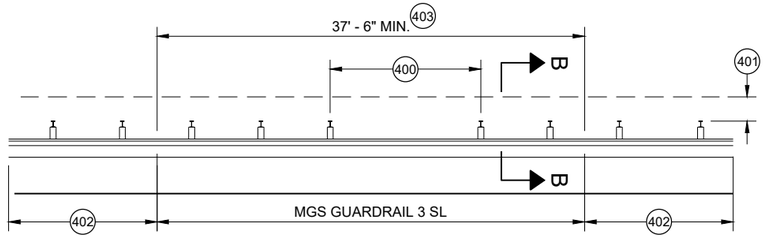
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

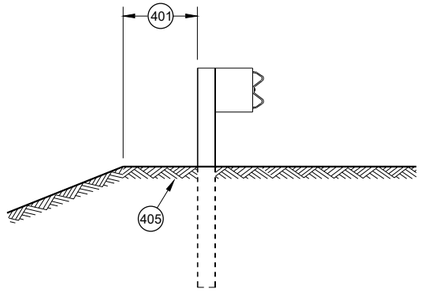


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

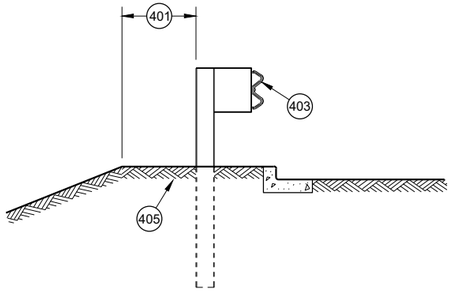


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(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

6

SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

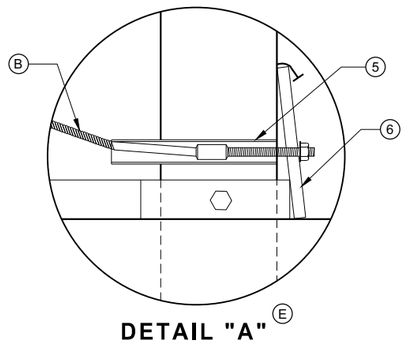
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

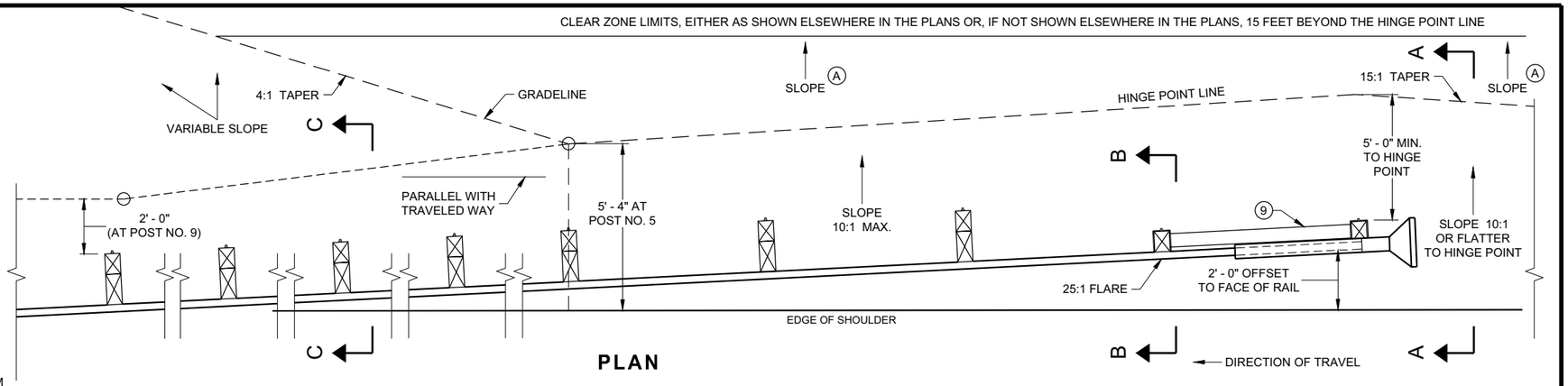
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

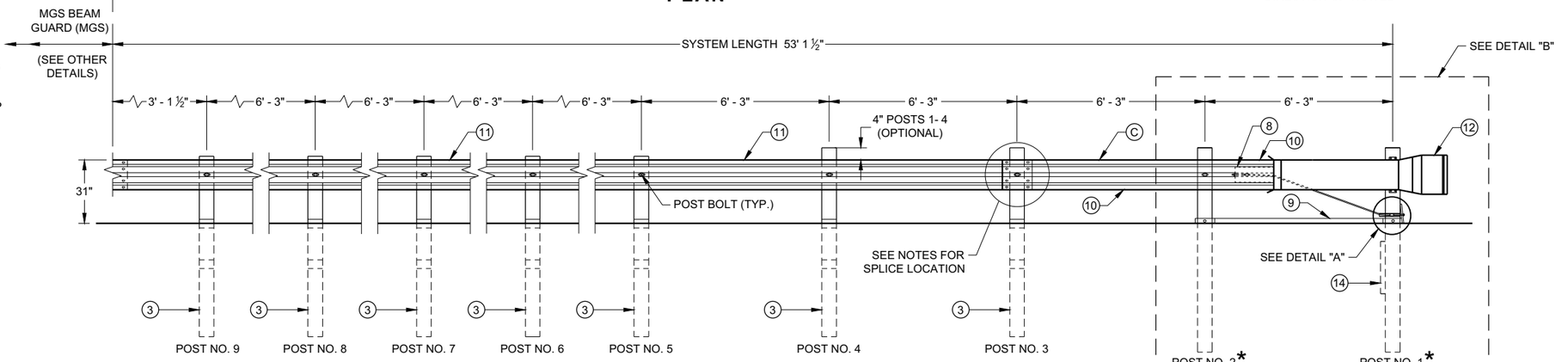
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



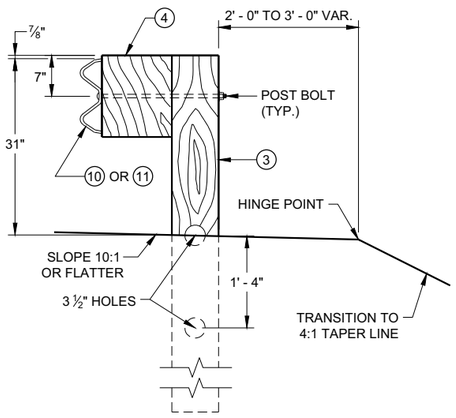
DETAIL "A" (E)



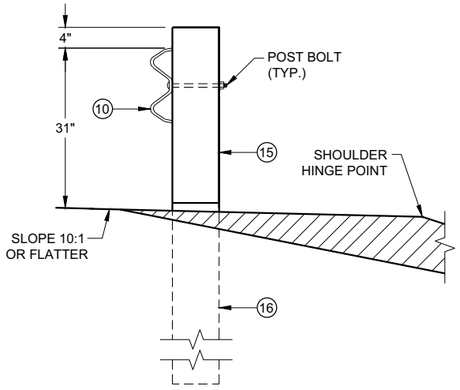
PLAN



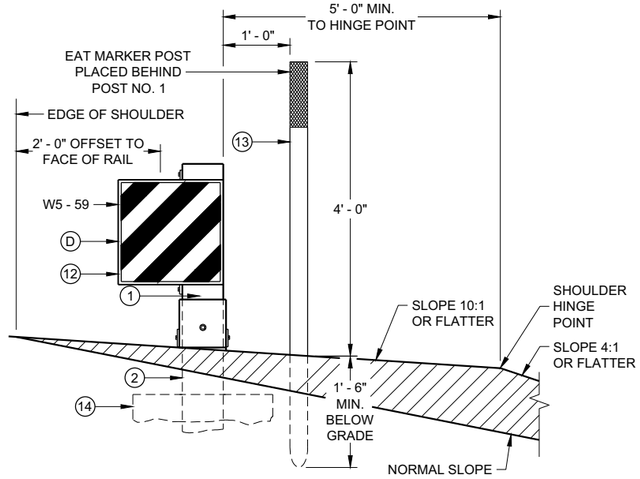
ELEVATION



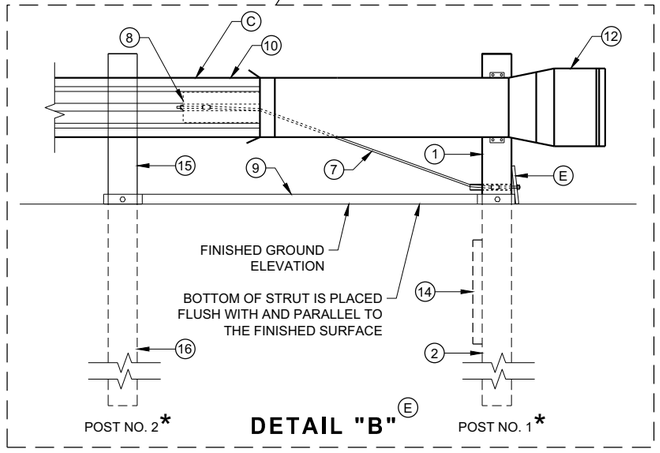
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



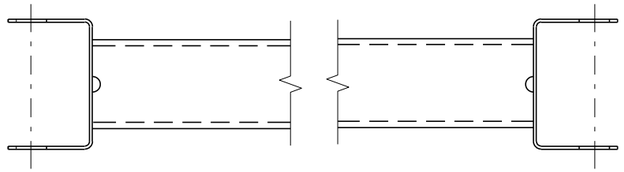
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

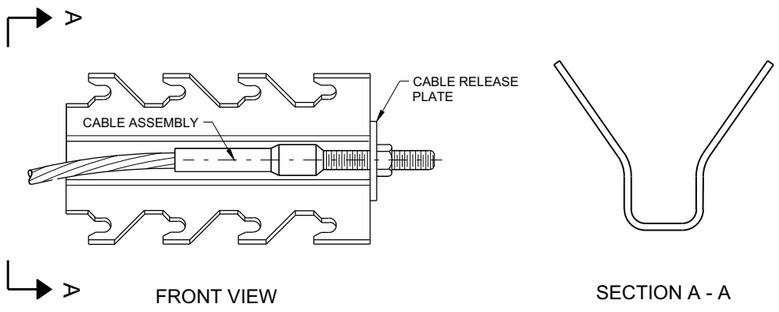
SDD 14B44 - 04a



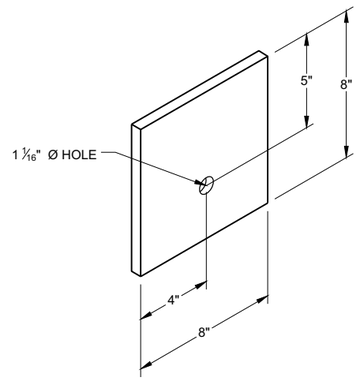
GENERIC GROUND STRUT (9) (E)

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
(1)	UPPER POST NO. 1 6" X 6" TUBE
(2)	LOWER POST NO. 1
(3)	WOOD CRT
(4)	WOOD BLOCKOUT
(5)	PIPE SLEEVE
(6)	BEARING PLATE
(7)	BCT CABLE ASSEMBLY
(8)	ANCHOR CABLE BOX
(9)	GROUND STRUT
(10)	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
(12)	IMPACT HEAD
(13)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
(14)	SOIL PLATE
(15)	UPPER POST NO. 2
(16)	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX (9) (E)



BEARING PLATE (6) (E)

6

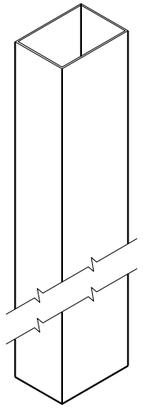
6

SDD 14B44 - 04b

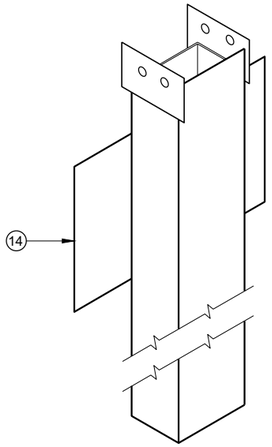
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

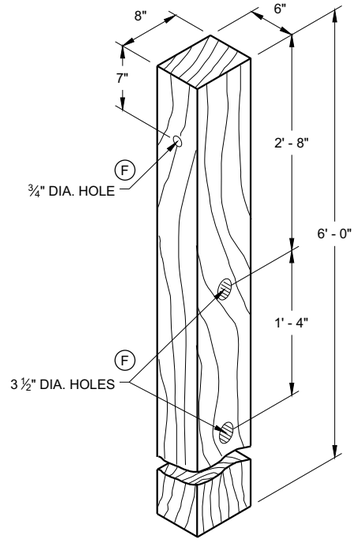
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



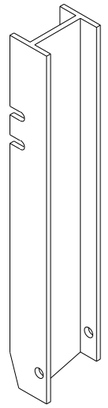
UPPER POST NO. 1 (1) (E)



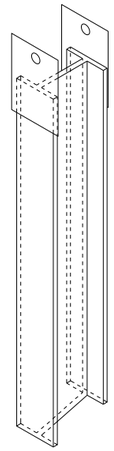
LOWER POST NO. 1 (2) (E)



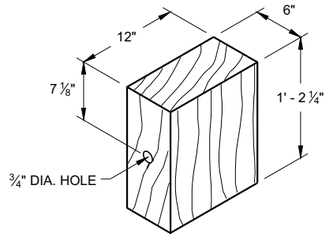
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



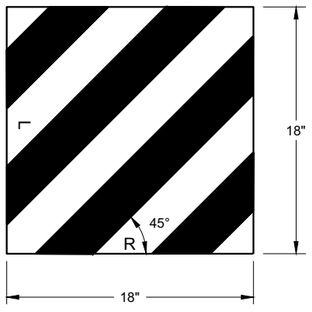
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

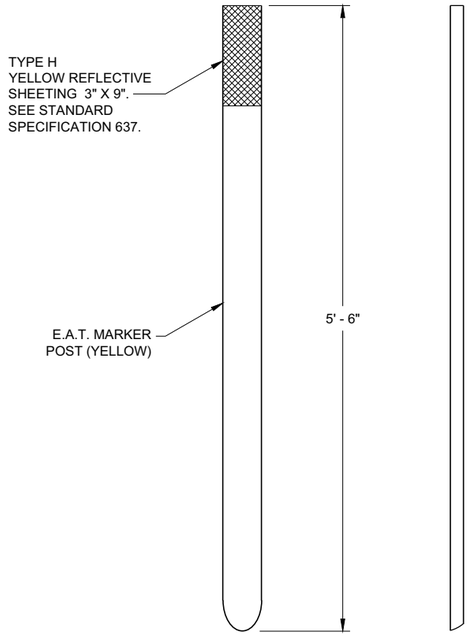


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



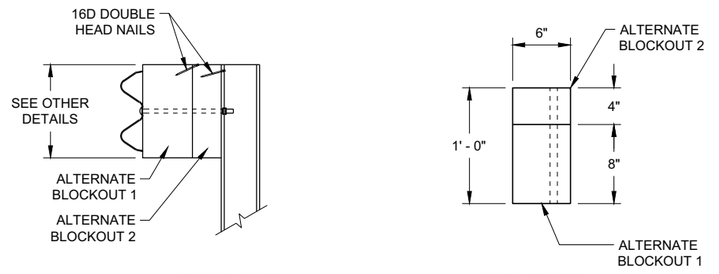
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

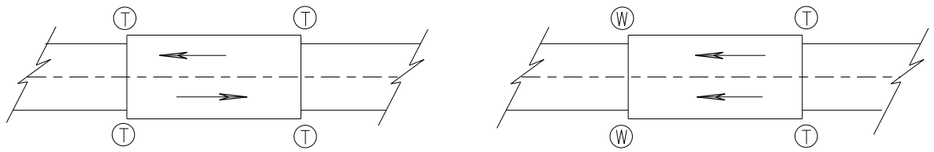
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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.

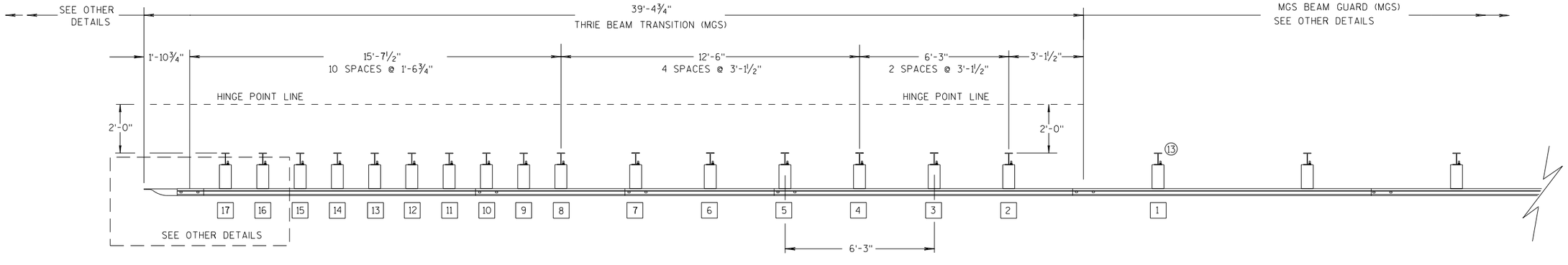
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

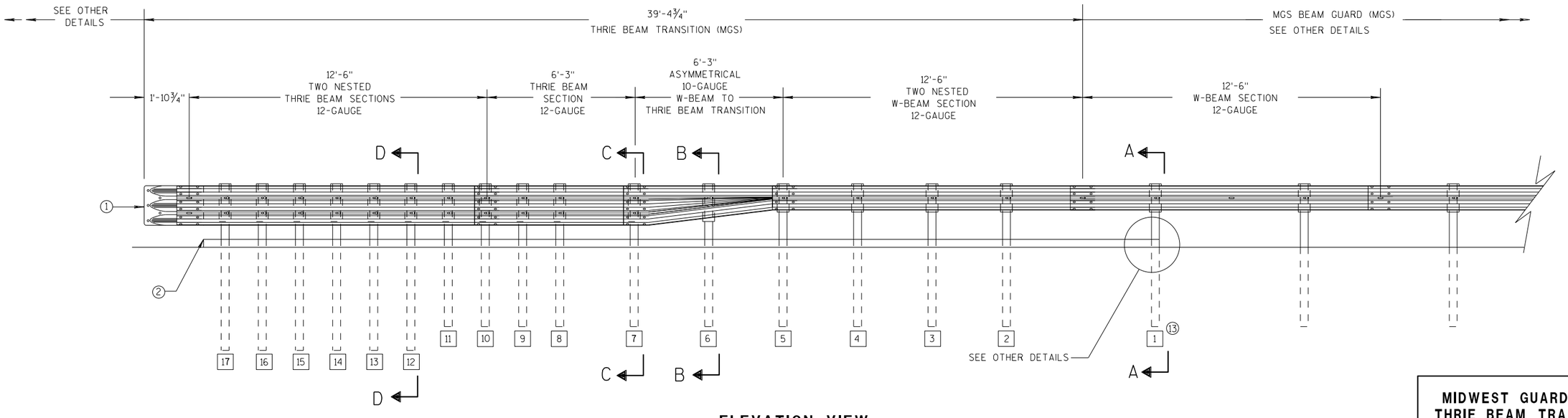
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(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 432

6

S.D.D. 14 B 45-5a

6

S.D.D. 14 B 45-5a

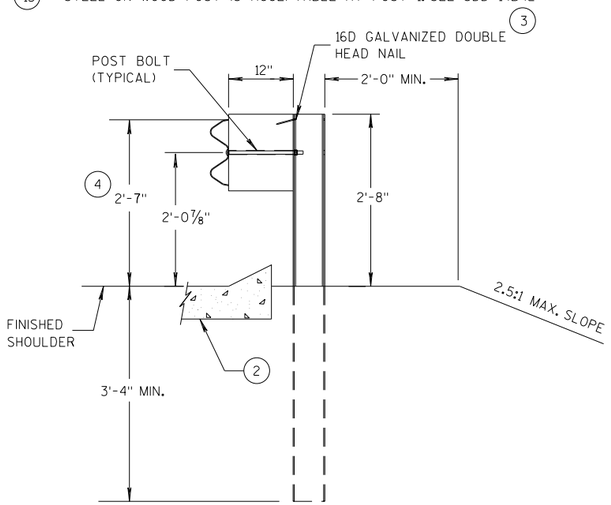
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

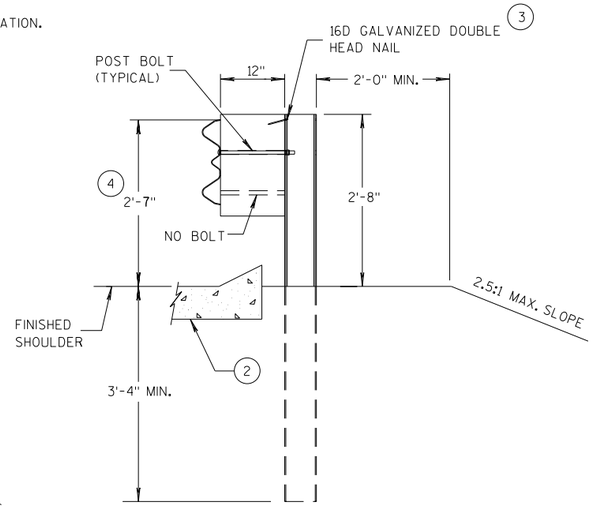
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



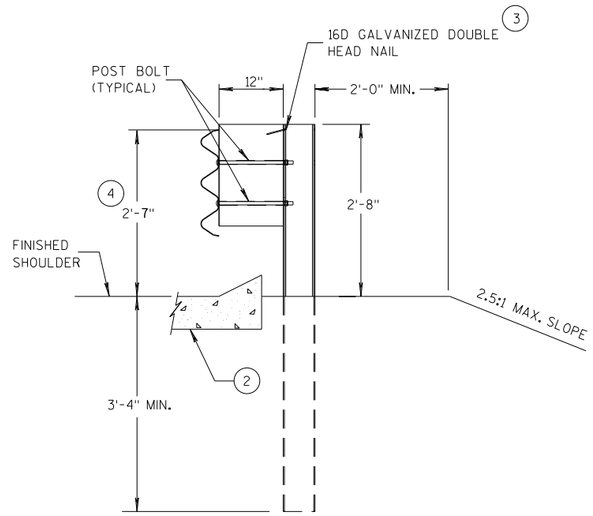
SECTION A-A (13)

POSTS 1-5



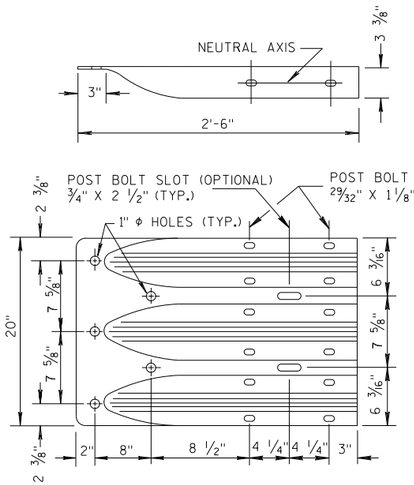
SECTION B-B

POST 6

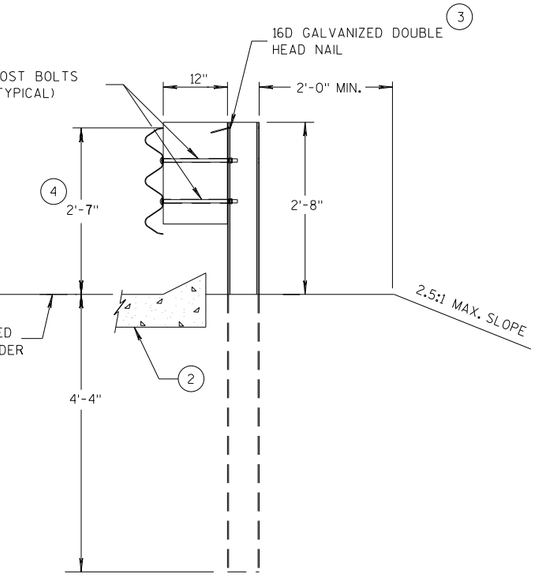


SECTION C-C

POSTS 7-11

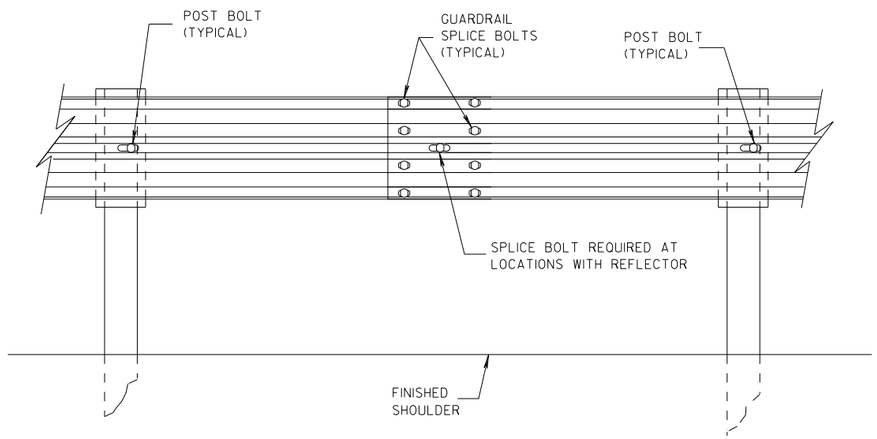


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

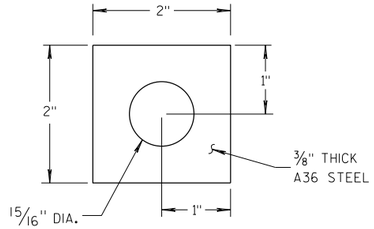
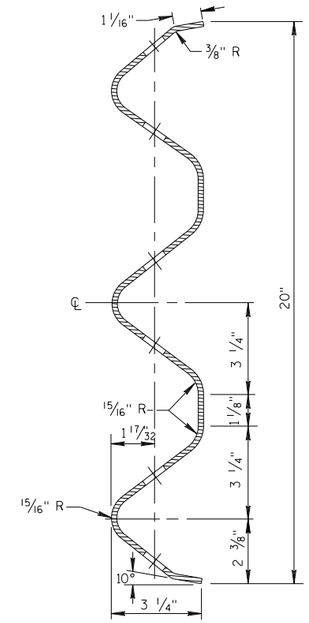


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

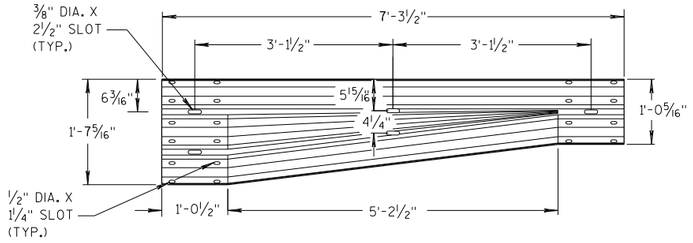
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 433

6

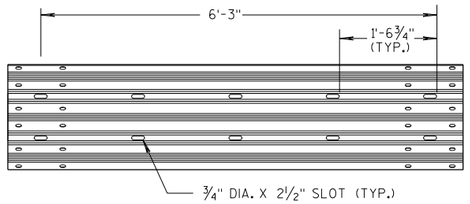
S.D.D. 14 B 45-5b

6

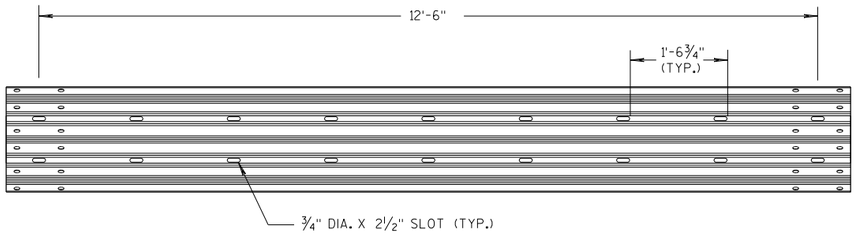
S.D.D. 14 B 45-5b



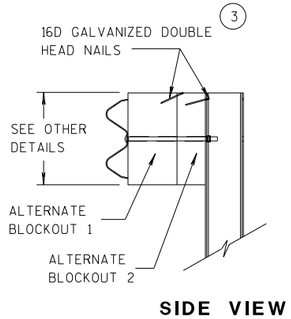
W-BEAM TO THRIE BEAM TRANSITION SECTION



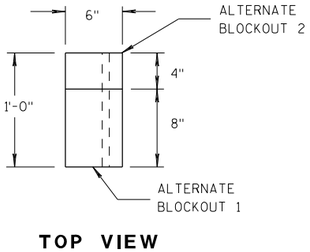
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

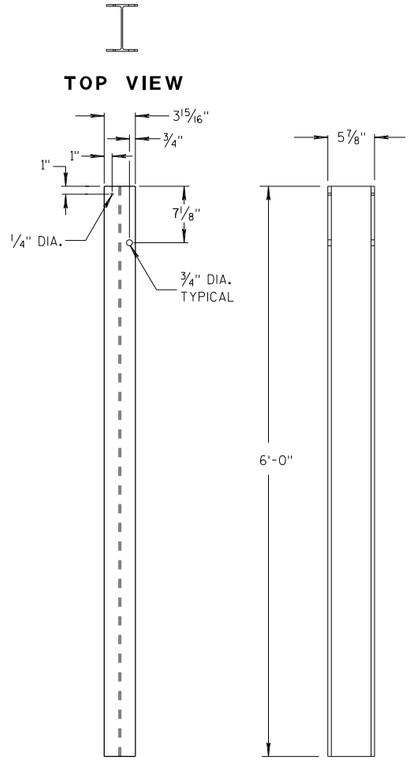


SIDE VIEW



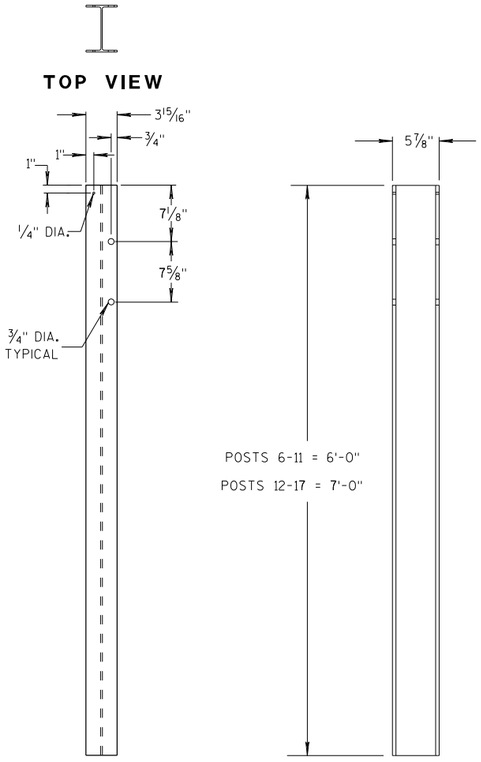
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



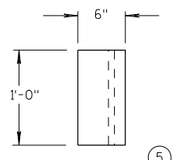
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

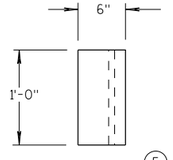


FRONT VIEW SIDE VIEW

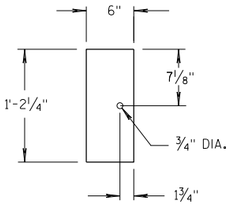
STEEL POSTS 6-17



TOP VIEW (5)

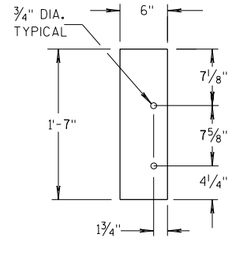


TOP VIEW (5)



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.

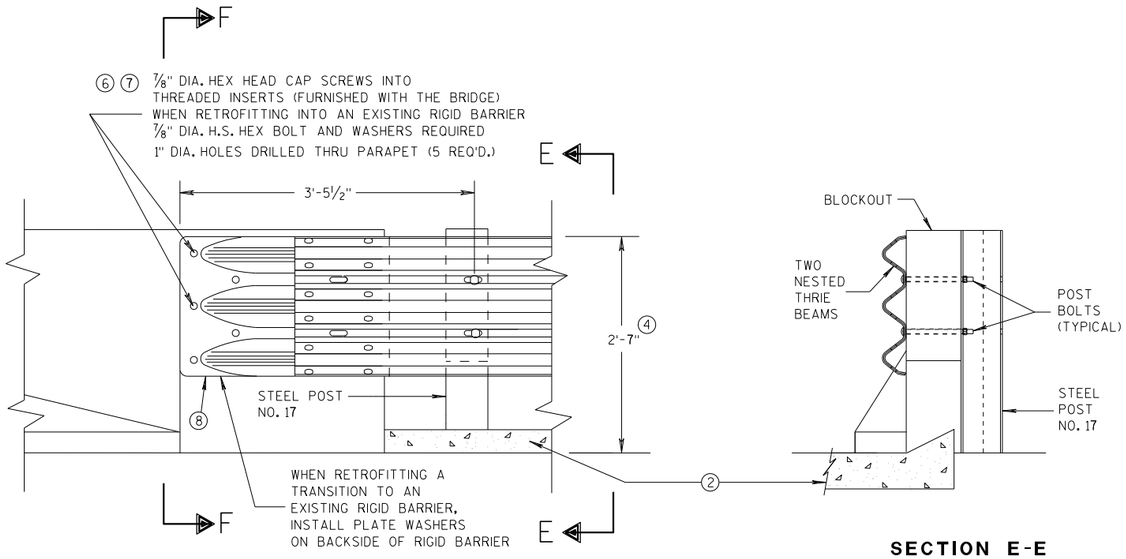
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(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 434

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.

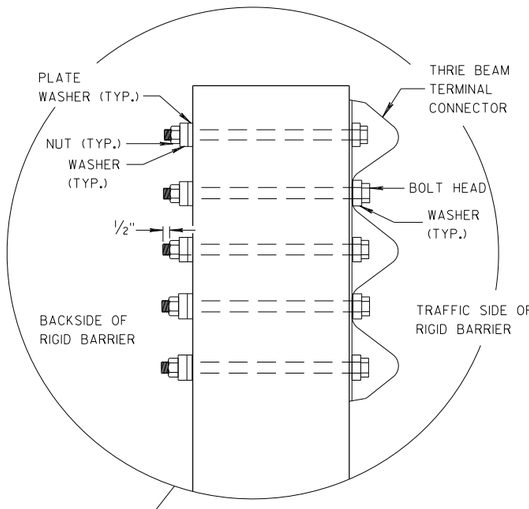
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

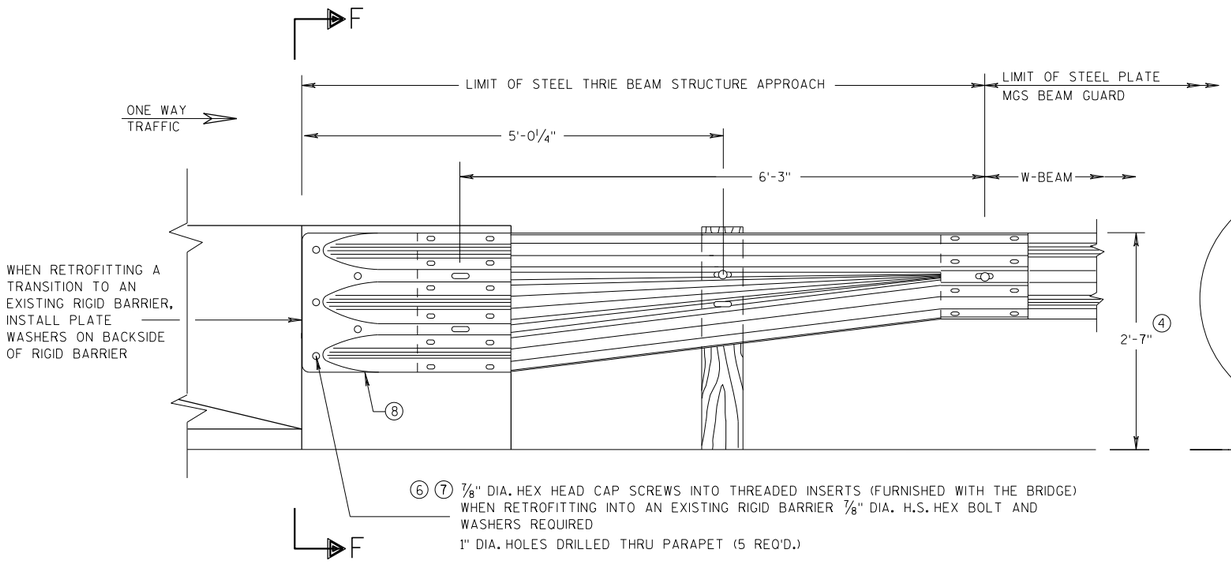
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

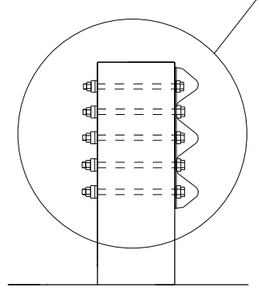
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. 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".

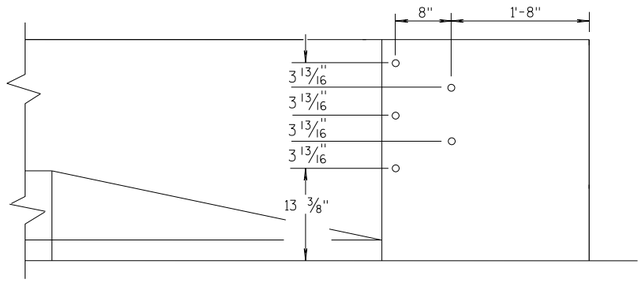




FRONT VIEW



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

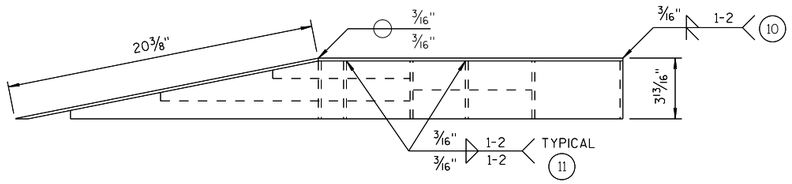
APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS D UNIT SUPERVIS
FHWA

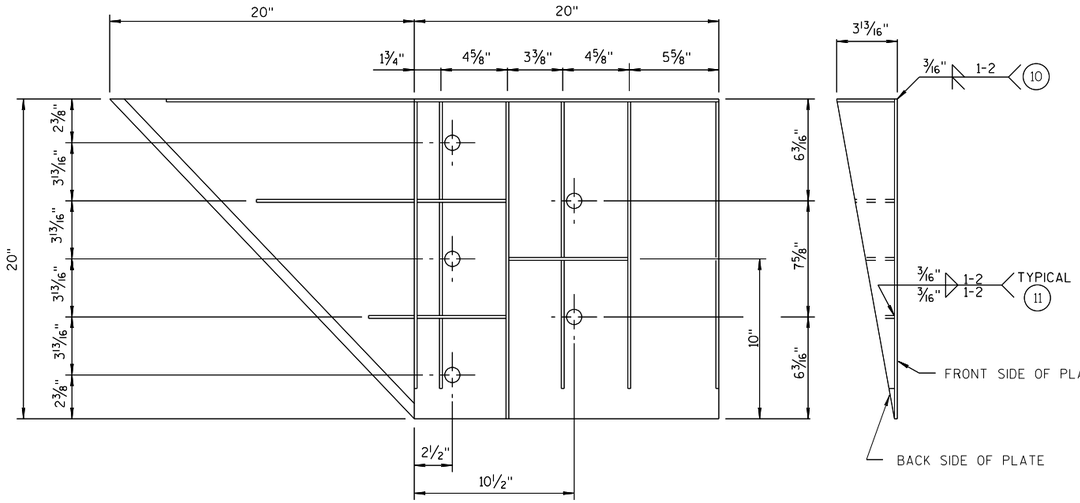
6

S.D.D. 14 B 45-5d

6

S.D.D. 14 B 45-5d





WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

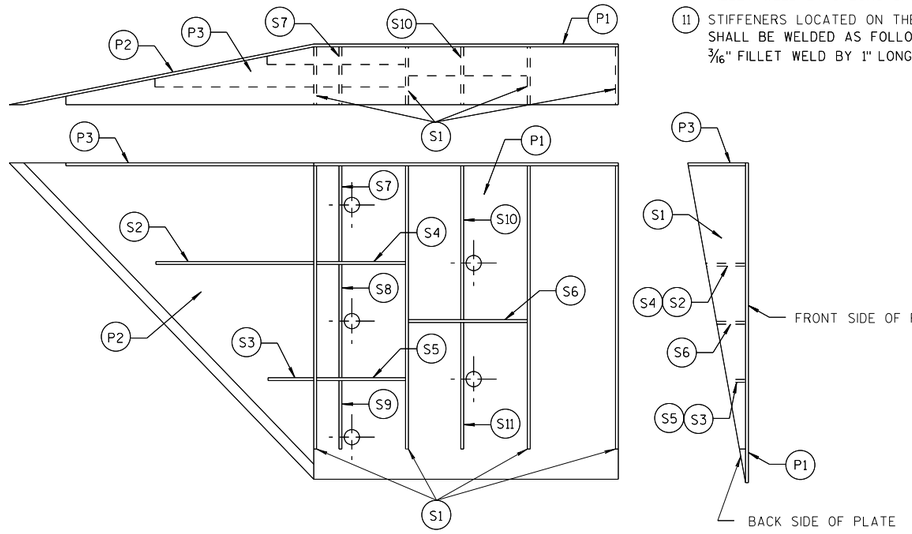


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

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".

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

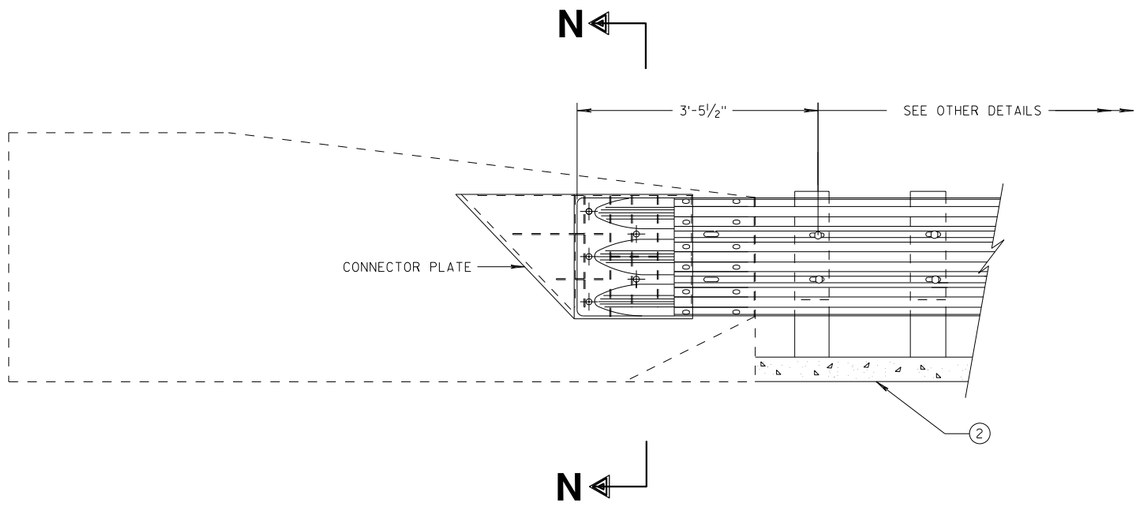
MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

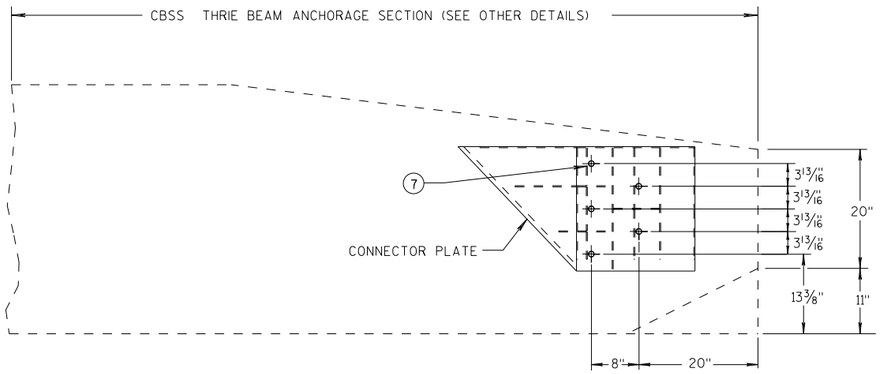
APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS I
UNIT SUPERVI

6
S.D.D. 14 B 45-5i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



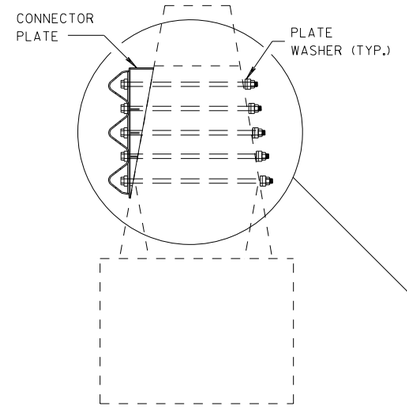
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

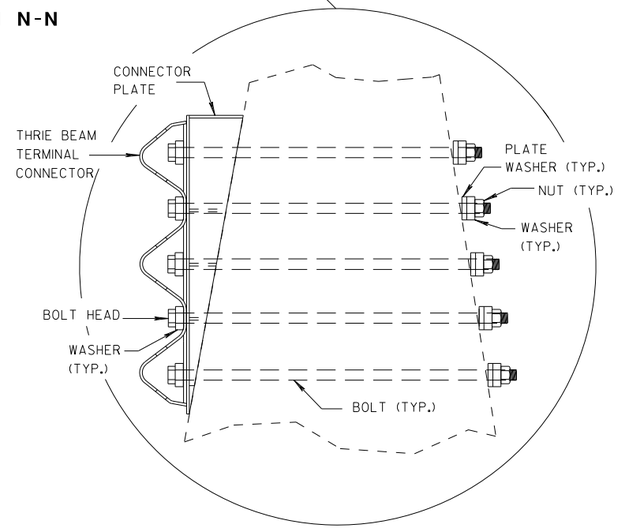
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

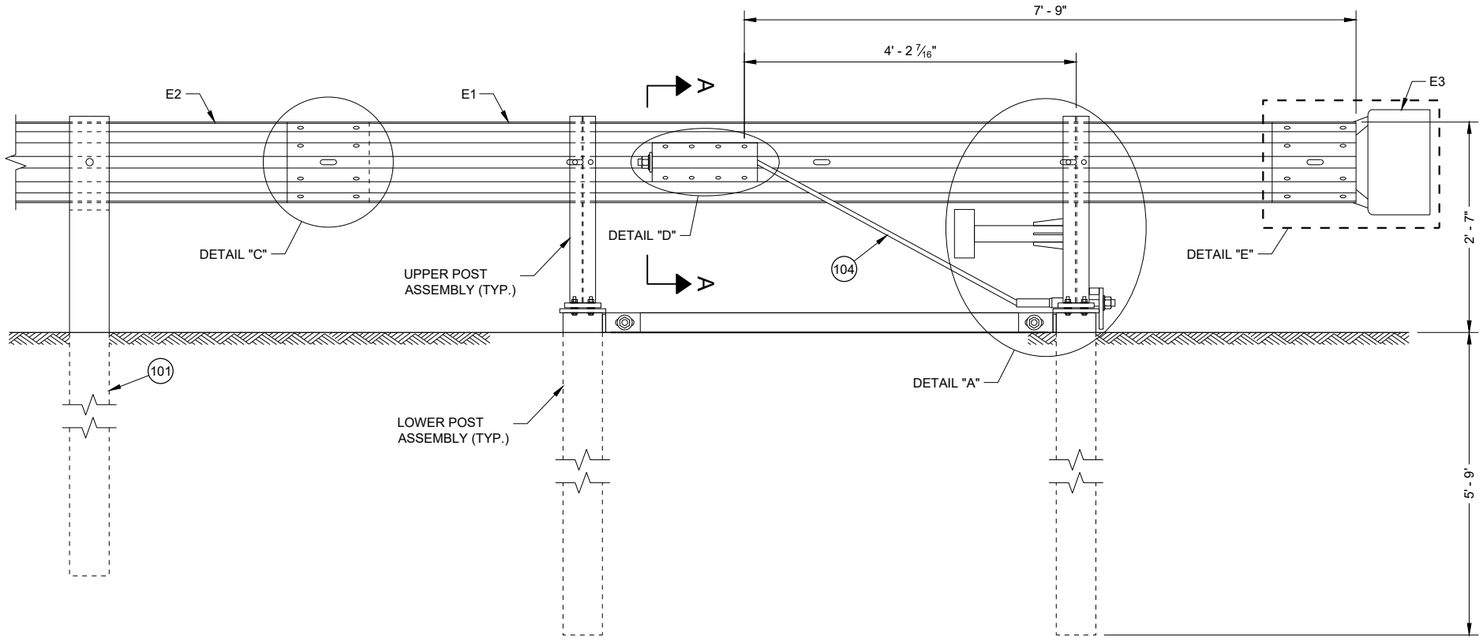
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

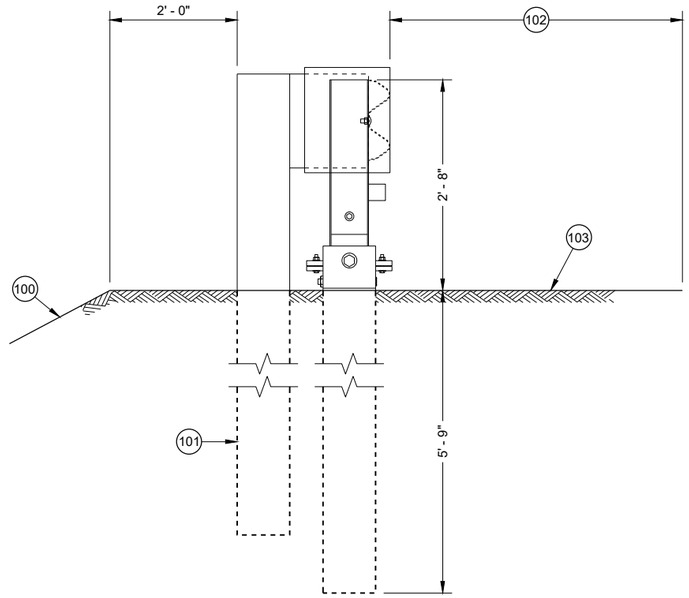
/S/ Rodney Taylor
ROADWAY STANDARDS DI
UNIT SUPERVIS

6

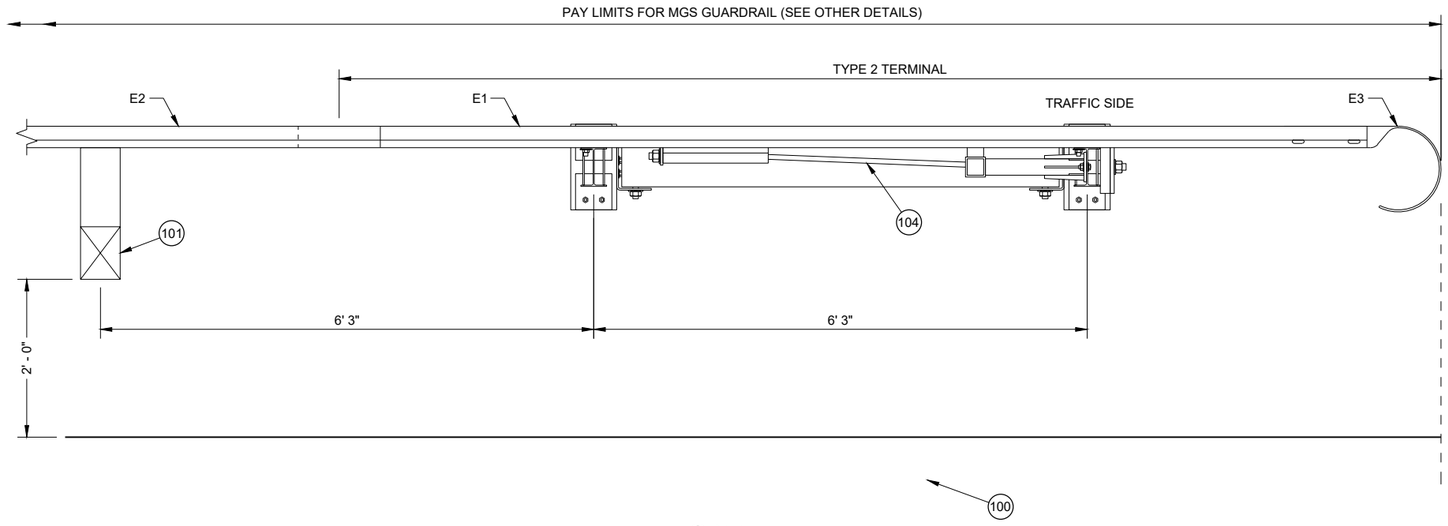
S.D.D. 14 B 45-5j



BACK VIEW
TYPE 2 TERMINAL



SIDE VIEW
TYPE 2 TERMINAL



TOP VIEW
TYPE 2 TERMINAL

GENERAL NOTES

(100) MAXIMUM SLOPE IS 2.5:1.

(101) SEE SDD 14B42 FOR MORE INFORMATION.

(102) SHOULDER

(103) MAXIMUM SLOPE IS 10:1.

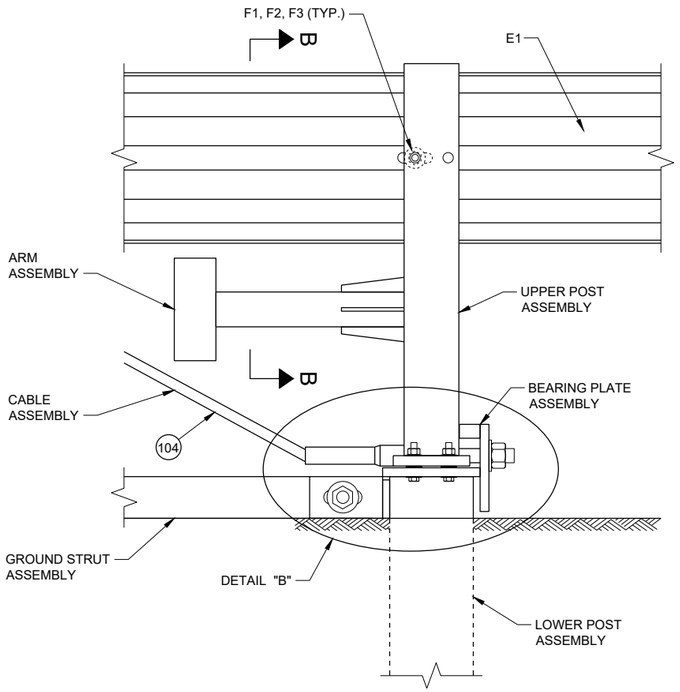
(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

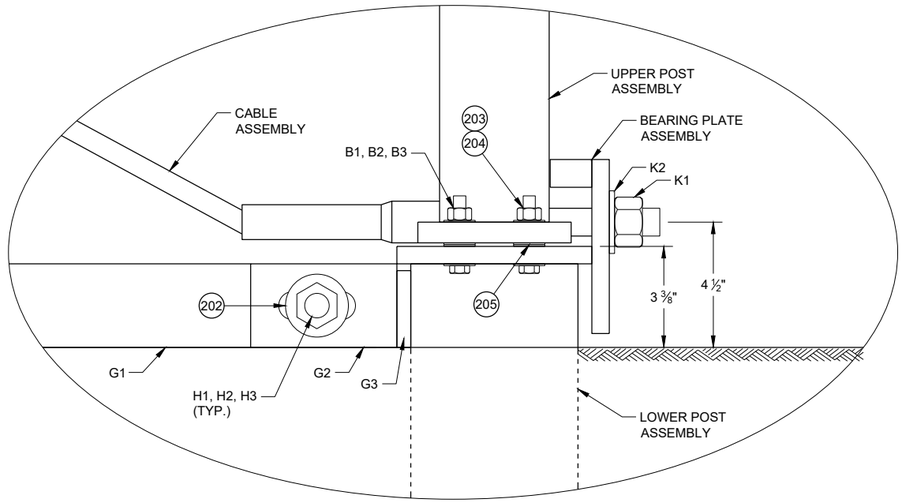
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

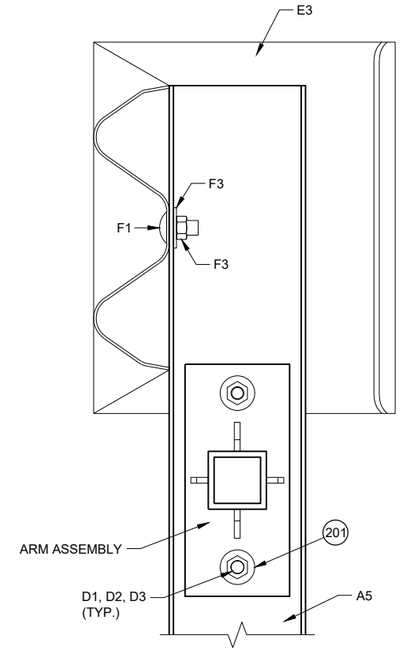
SDD 14B47 - 03a



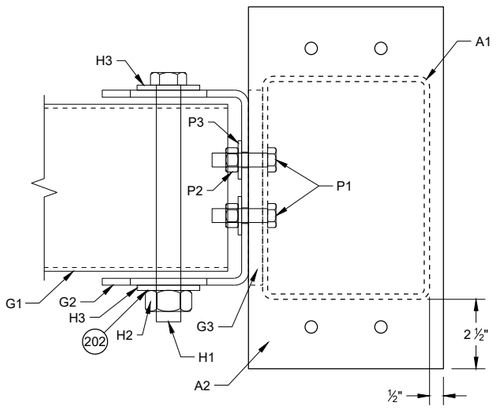
DETAIL "A"



DETAIL "B"

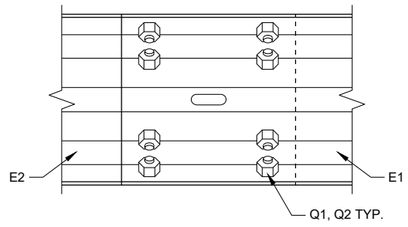


SECTION B - B

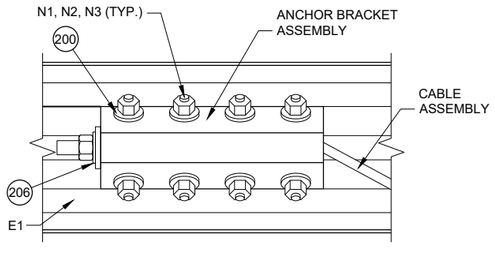


TOP VIEW

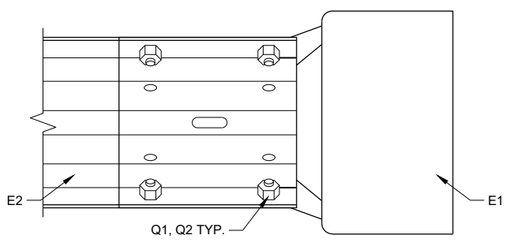
GROUND STRUT CONNECTION DETAIL



DETAIL "C"



DETAIL "D"



DETAIL "E"

GENERAL NOTES

200 INSTALL ONE WASHER UNDER BOLT HEAD AND RAIL AND ON WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

201 INSTALL ONE WASHER UNDER BOLT HEAD AND UPPER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND ARM PLATE.

202 INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

203 INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

204 TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

205 TWO WASHERS BETWEEN UPPER AND LOWER POST ASSEMBLY.

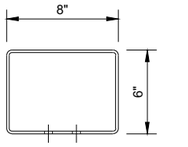
206 INSTALL ONE WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

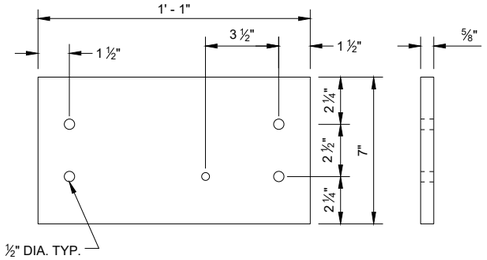
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

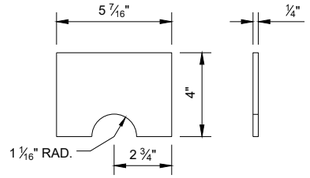
SDD 14B47 - 03b



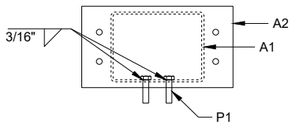
TOP VIEW



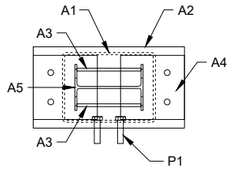
LOWER PLATE (A2)

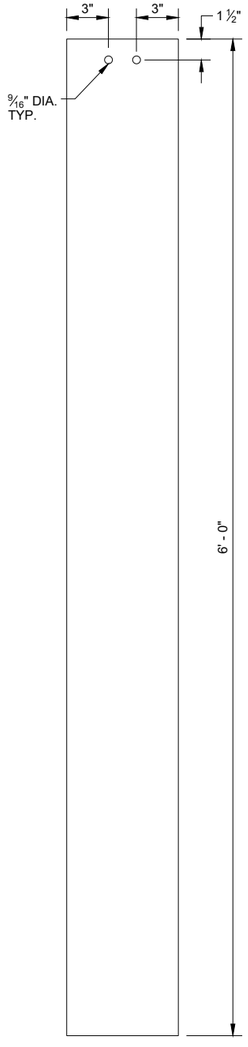


POST GUSSET (A3)



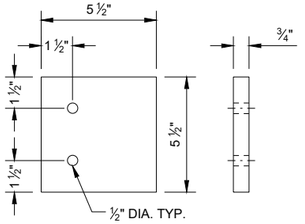
PLAN VIEW



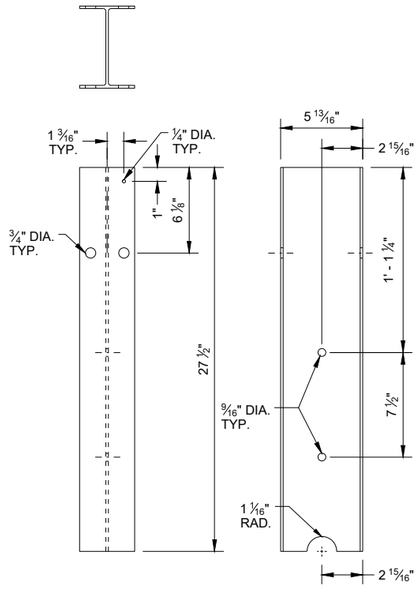


SIDE VIEW

FOUNDATION TUBE (A1)

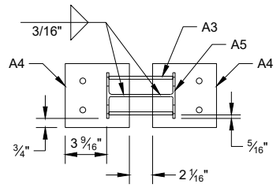


UPPER PLATE (A4)

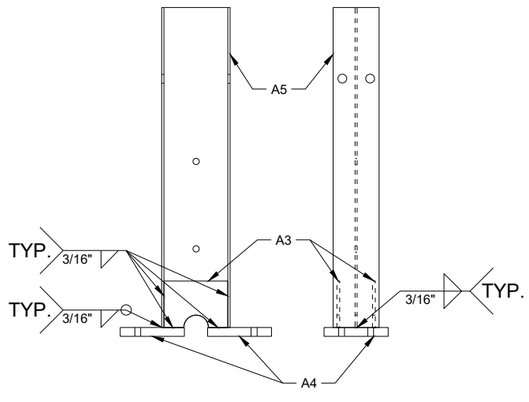


FRONT VIEW SIDE VIEW

TYPE 2 POST (A5)

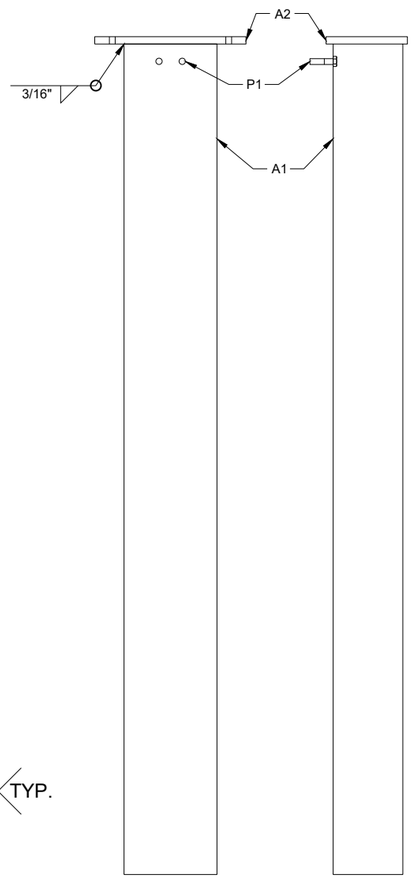


PLAN VIEW



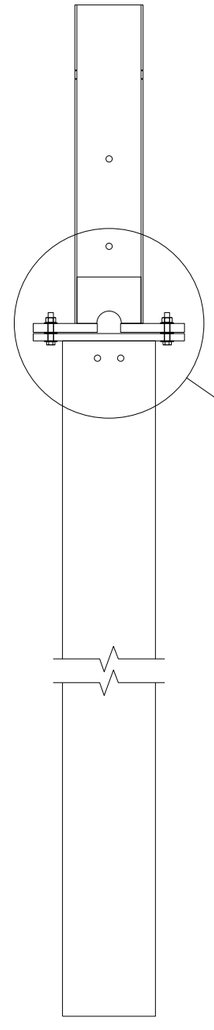
SIDE VIEW FRONT VIEW

UPPER POST ASSEMBLY

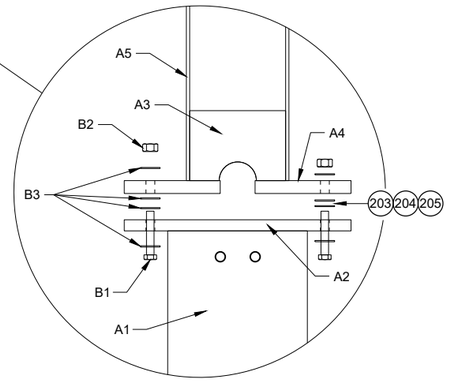


FRONT VIEW SIDE VIEW

LOWER POST ASSEMBLY



ASSEMBLED POST



POST CONNECTION DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

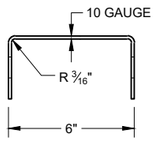
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

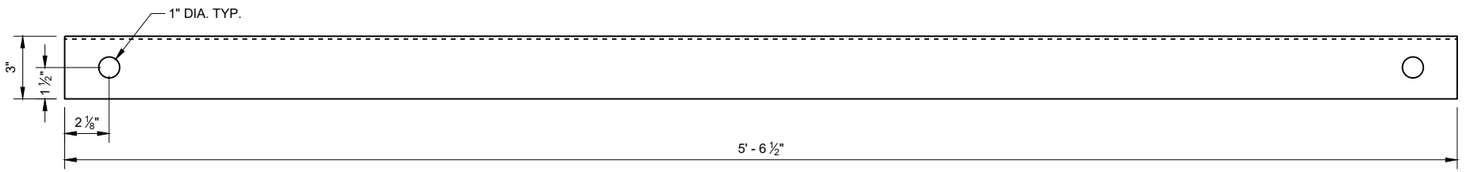
SDD14B47 - 03c

6

SDD14B47 - 03c

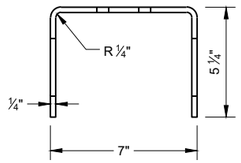


SIDE VIEW

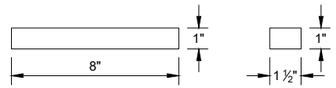


FRONT VIEW

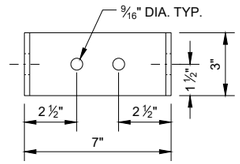
GROUND STRUT CHANNEL (G1)



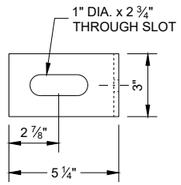
TOP VIEW



BEARING PLATE FLANGE (L2)

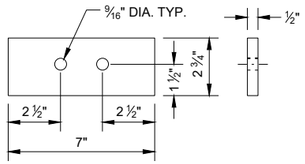


FRONT VIEW

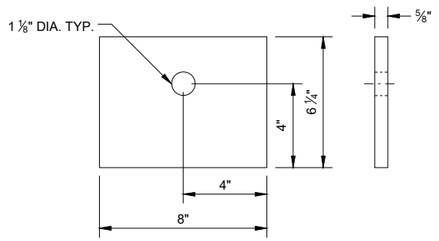


SIDE VIEW

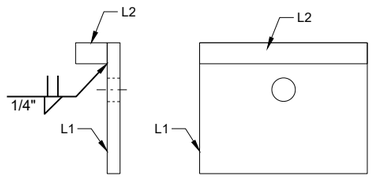
GROUND STRUT CONNECTOR (G2)



GROUND STRUT PLATE (G3)

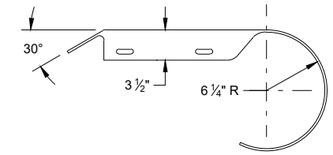


BEARING PLATE (L1)

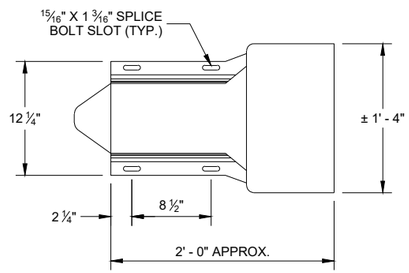


SIDE VIEW FRONT VIEW

BEARING PLATE ASSEMBLY

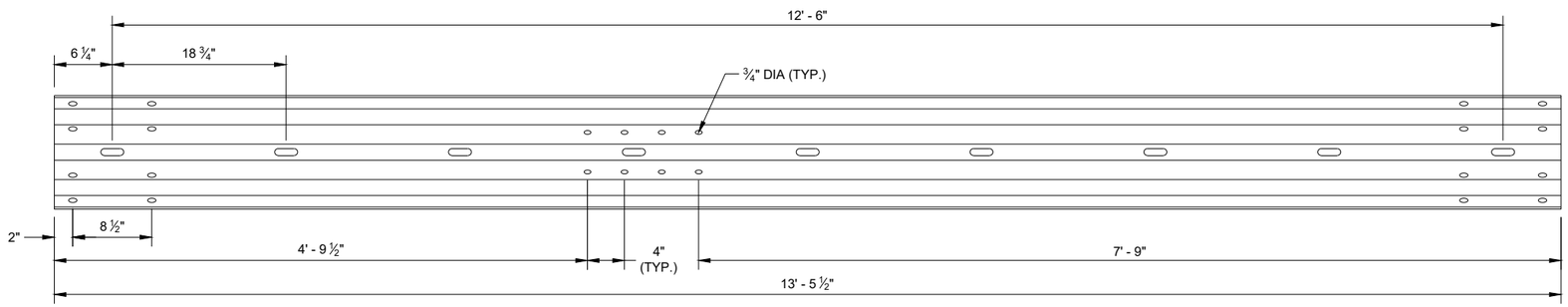


PLAN VIEW

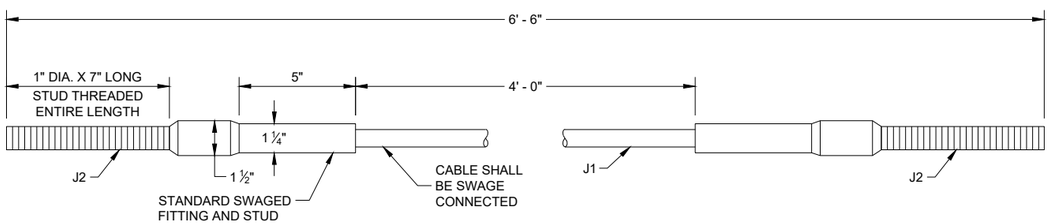


ELEVATION VIEW

ROUNDED BUFFER END (E3)



TYPE 2 GUARDRAIL (E1)



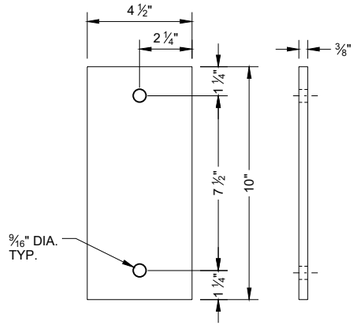
CABLE ASSEMBLY

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

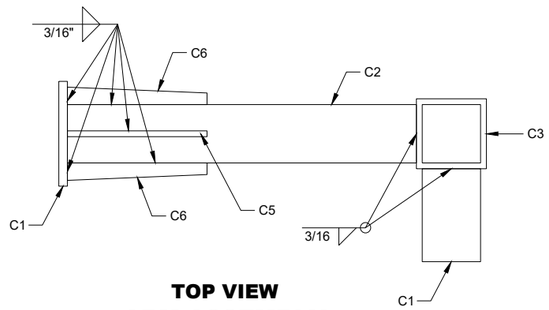
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

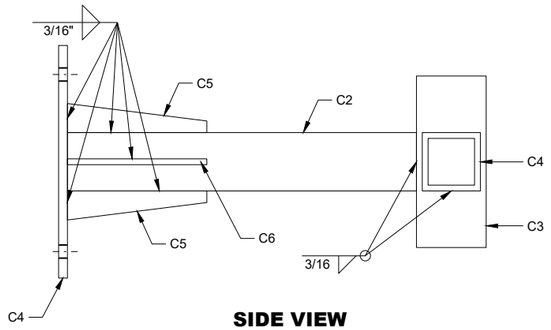
SDD 14B47 - 03d



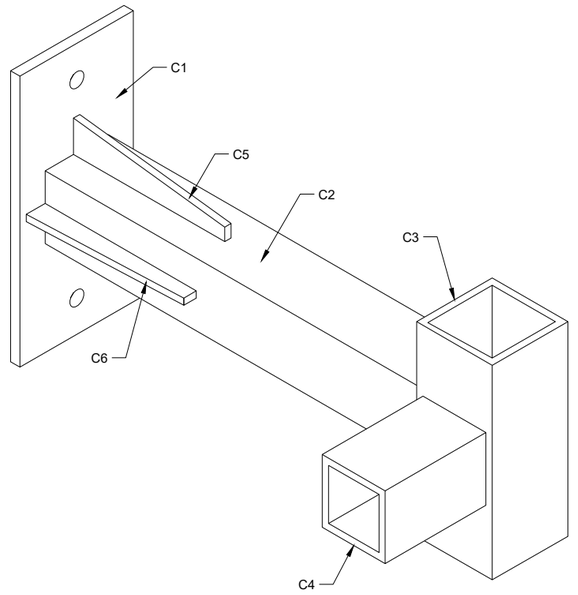
ARM PLATE (C1)



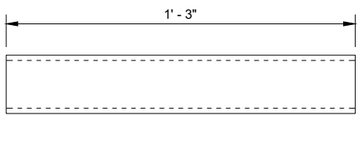
TOP VIEW
ARM ASSEMBLY



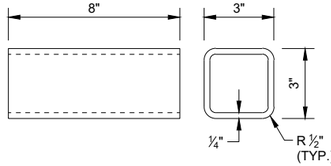
SIDE VIEW
ARM ASSEMBLY



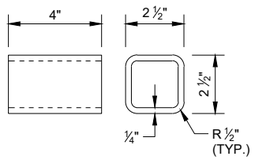
ISOMETRIC VIEW
ARM ASSEMBLY



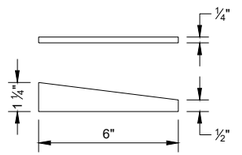
ARM TUBE 1 (C2)



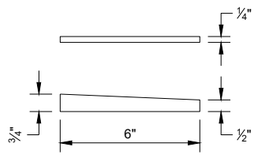
ARM TUBE 2 (C3)



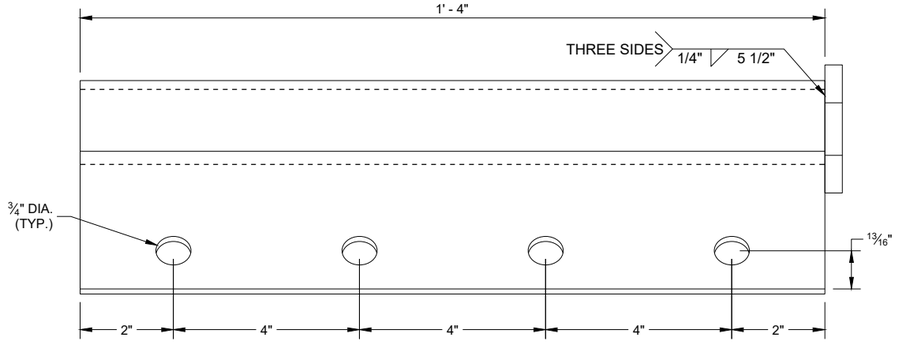
ARM TUBE 3 (C4)

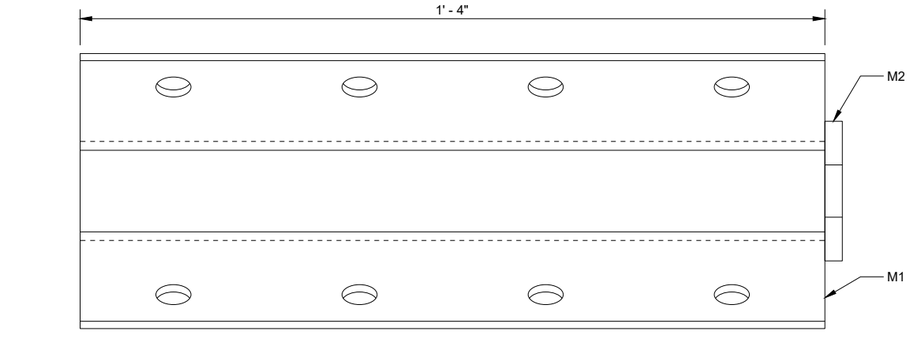


ARM GUSSET PLATE 1 (C5)

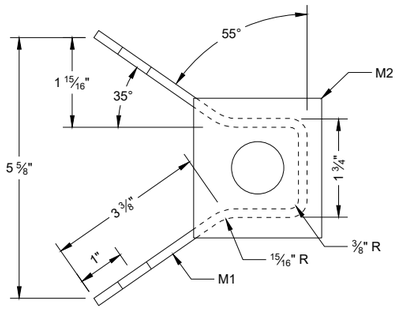


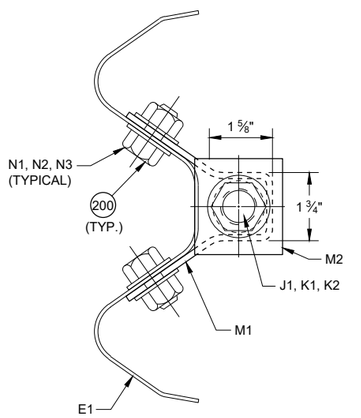
ARM GUSSET PLATE 2 (C6)

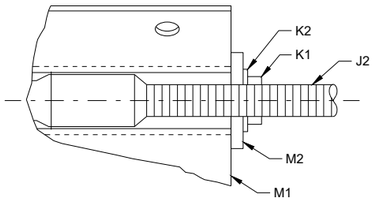




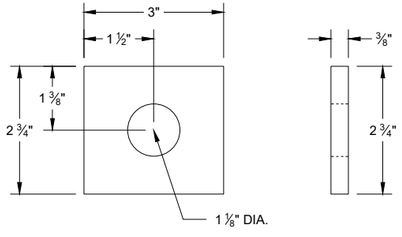
ANCHOR BRACKET (M1, M2)







SECTION A - A



ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD14B47 - 03e

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	TYPE 2 FOUNDATION TUBE	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
A2	LOWER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
A3	POST GUSSET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
A4	UPPER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/4" THICKNESS
A5	TYPE 2 POST	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
B1	BREAKAWAY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED . PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	7/16" DIA.
B2	BREAKAWAY BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/16" DIA.
B3	BREAKAWAY BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
C1	ARM ASSEMBLY PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
C2	ARM ASSEMBLY TUBE 1	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
C3	ARM ASSEMBLY TUBE 2	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 3" x 3" x 1/4"
C4	ARM ASSEMBLY TUBE 3	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 2 1/2" x 2 1/2" X 1/4"
C5	ARM ASSEMBLY GUSSET PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
C6	ARM ASSEMBLY GUSSET PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
D1	ARM ASSEMBLY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	1/2" DIA.
D2	ARM ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	1/2" DIA.
D3	ARM ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
E1	TYPE 2 GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E2	BEAM GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E3	BEAM GUARD ROUNDED BUFFER END	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
F1	POST BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
F2	POST BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
F3	POST BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
G1	GROUND STRUT CHANNEL	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" x 11 3/4" x 10 GAUGE
G2	GROUND STRUT CONNECTOR	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
G3	GROUND STRUT PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" THICKNESS

6

SDD 14B47 - 03f

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B47 - 03f

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
H1	GROUND STRUT BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	7/8" DIA.
H2	GROUND STRUT BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/8" DIA.
H3	GROUND STRUT BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
J1	BCT CABLE	AASHTO M30 / ASTM A741 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN. BREAKING STRENGTH OF 42.7 KIPS	**3/4" DIA.**
J2	BCT CABLE	UNC 1" ASTM A576 GRADE 1035 SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. MIN BREAKING STRENGTH OF 42.7 KIPS ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."	
K1	CABLE ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1" DIA.
K2	CABLE ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1	1" DIA.
L1	BEARING PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
L2	BEARING PLATE FLANGE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1" THICKNESS
M1	BEAM GUARD ANCHOR BRACKET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
M2	BEAM GUARD ANCHOR END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
N1	ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
N2	ANCHOR BRACKET BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
N3	ANCHOR BRACKET BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
P1	FOUNDATION TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
P2	FOUNDATION TUBE WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 7/8" ASTM F844 TYPE 1 (HARDENED WASHER ONLY)	1/2" DIA.
P3	FOUNDATION TUBE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
Q1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
Q2	SPLICE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	5/8" DIA.

6

6

SDD 14B47 - 03g

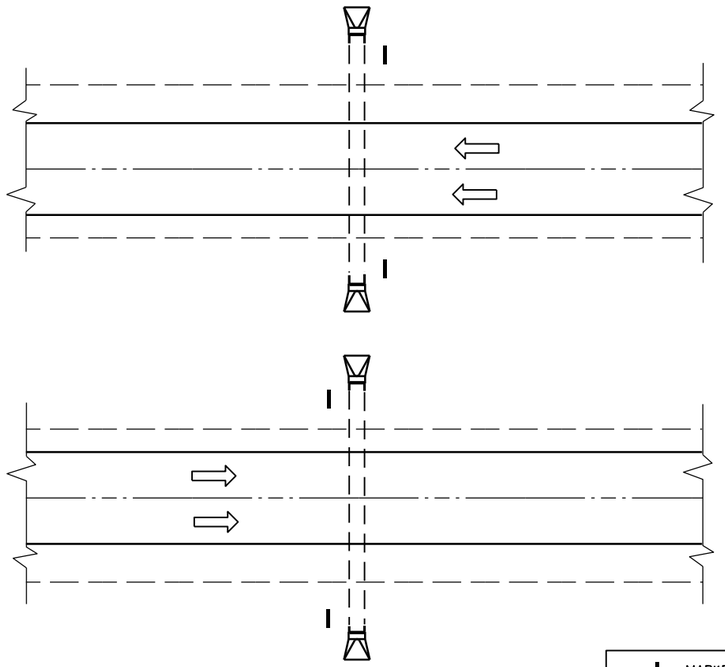
SDD 14B47 - 03g

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

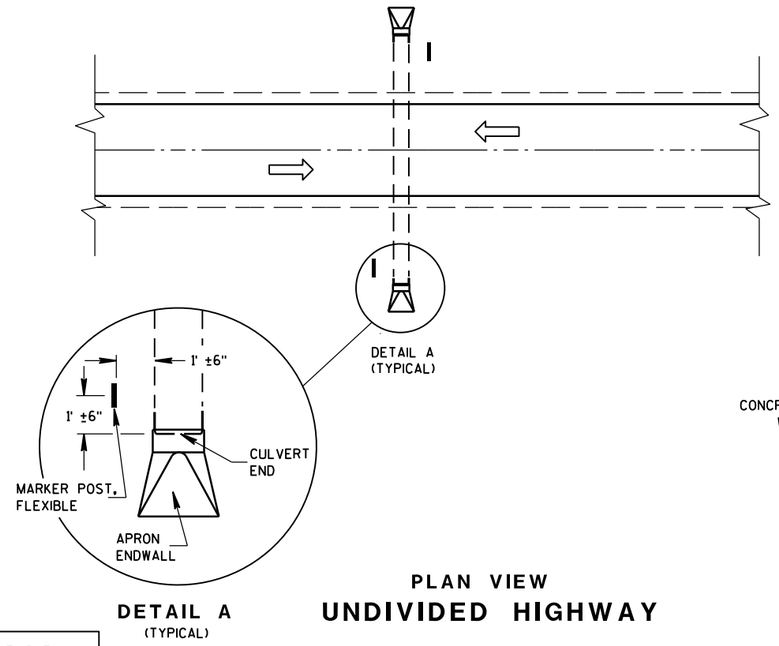
APPROVED
August 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

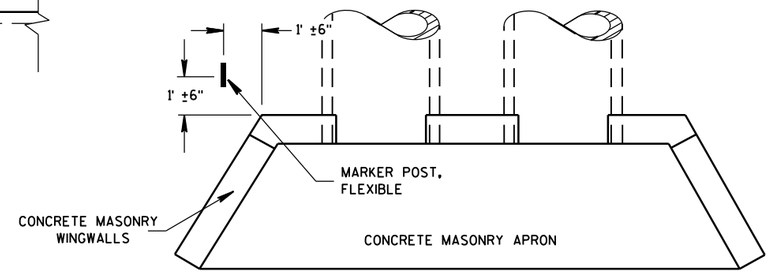
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

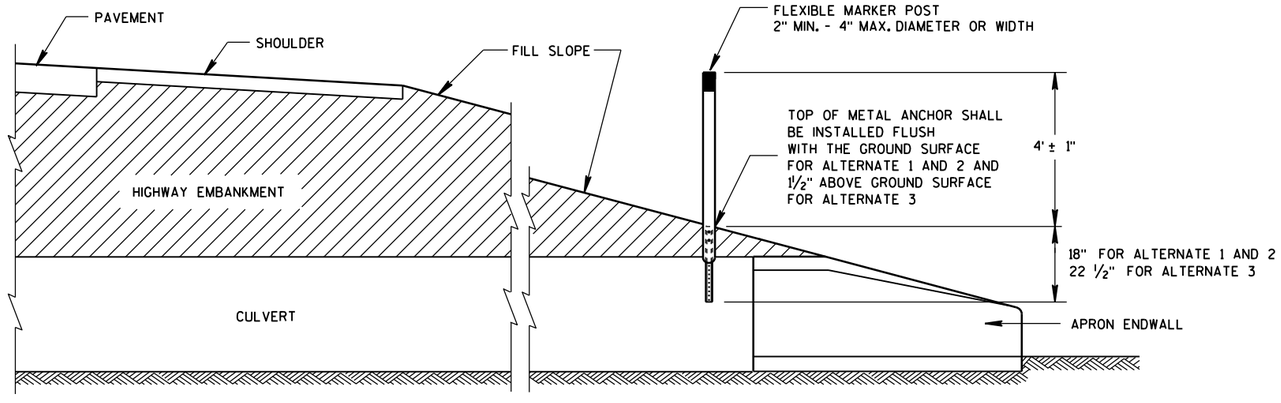
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

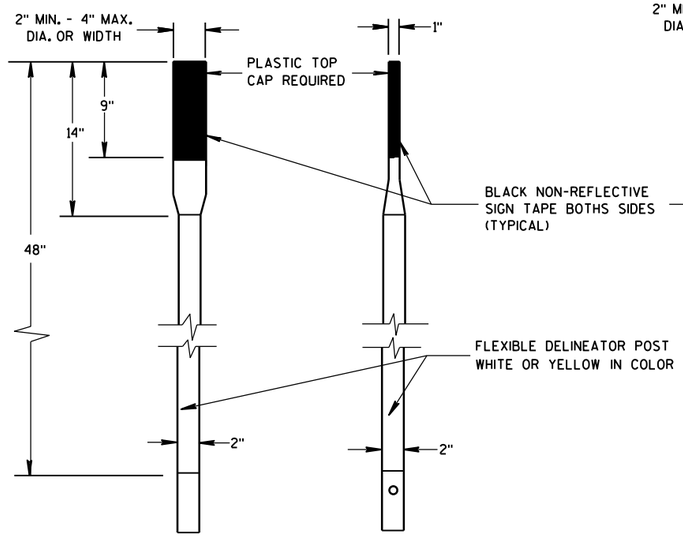
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

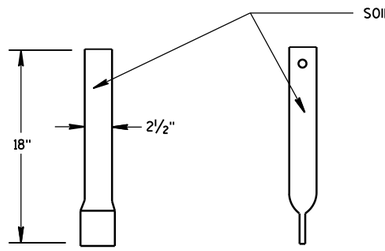
6

S.D.D. 15 A 3-2a

6

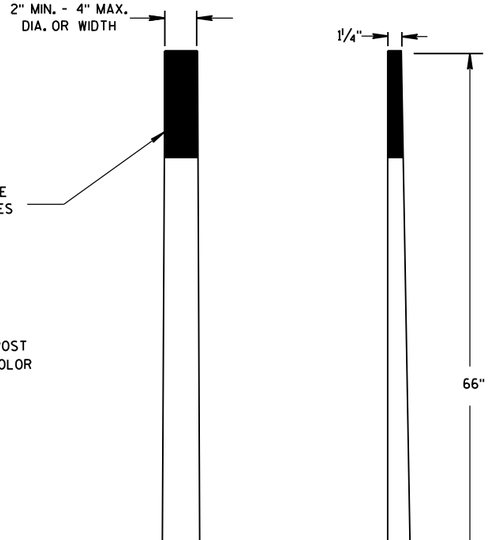
S.D.D. 15 A 3-2a





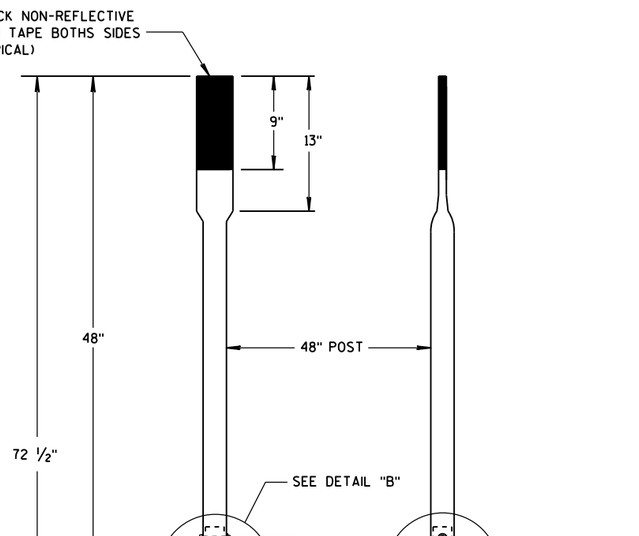
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

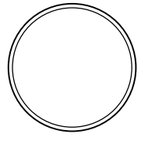
ALTERNATE 2



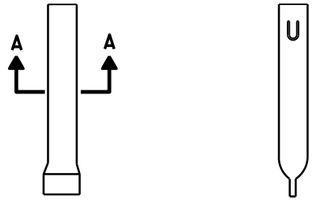
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

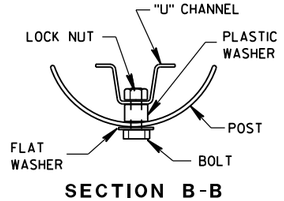


SECTION A-A

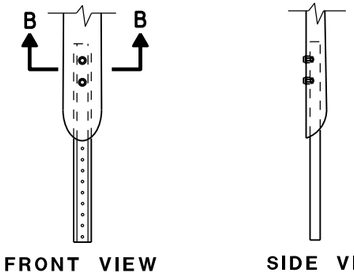


FRONT VIEW SIDE VIEW

ALTERNATE 1

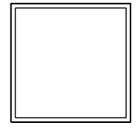


SECTION B-B

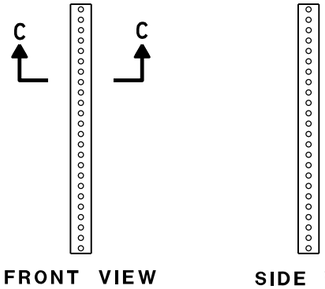


FRONT VIEW SIDE VIEW

ALTERNATE 2



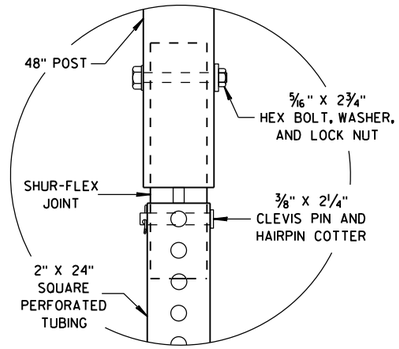
SECTION C-C



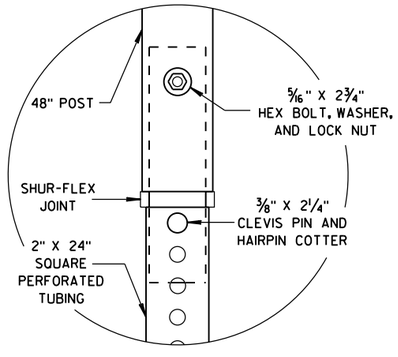
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

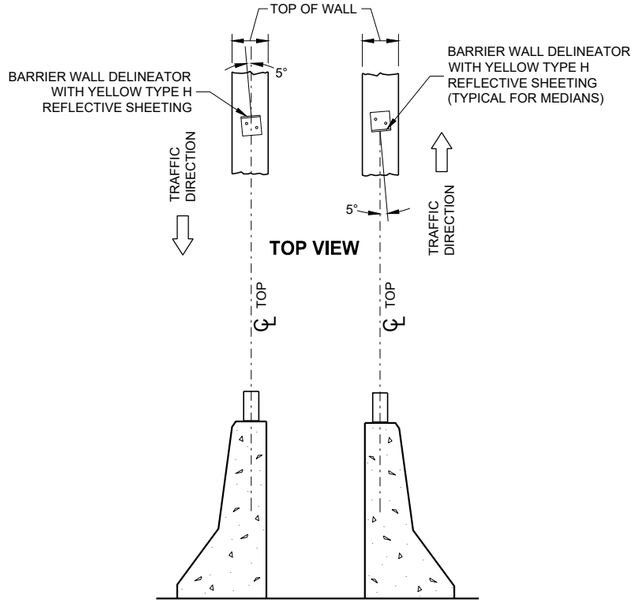
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

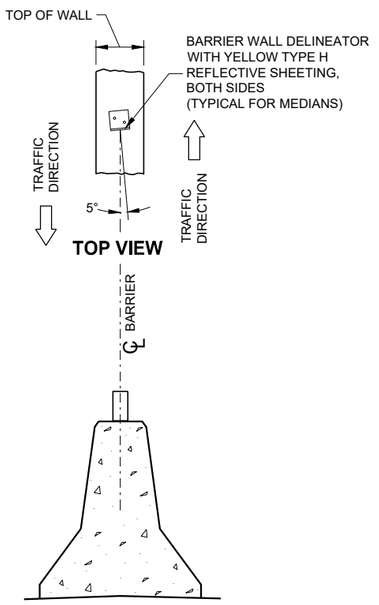
S.D.D. 15 A 3-2b

6

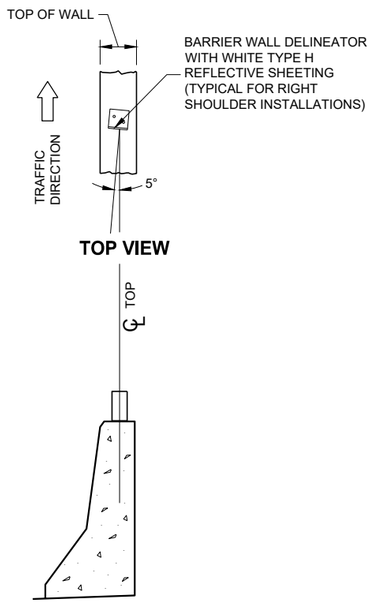
S.D.D. 15 A 3-2b



SIDE VIEW
DOUBLE BARRIERS IN MEDIAN

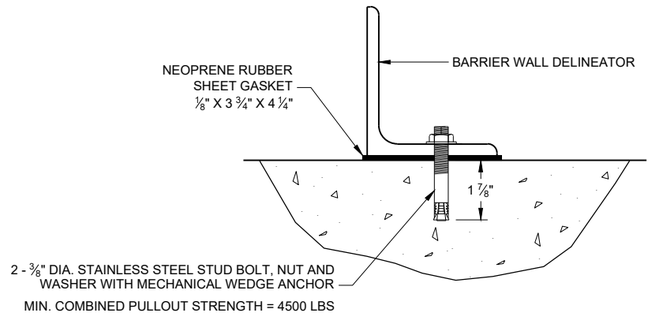


SIDE VIEW
MEDIAN BARRIER

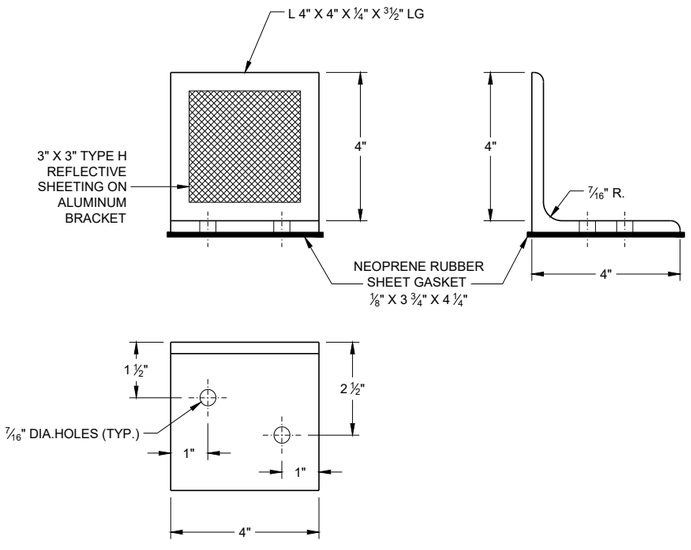


SIDE VIEW
TO RIGHT OF TRAFFIC FLOW

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

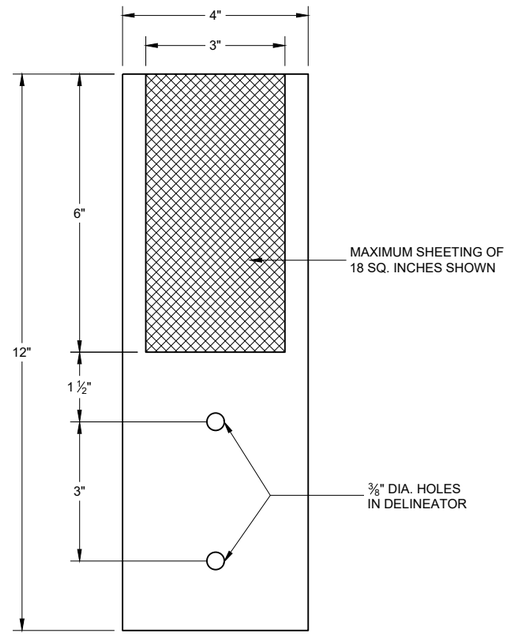
BARRIER WALL DELINEATOR WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
FHWA

SDD 15A04 - 07b

SDD 15A04 - 07b



4" x 12" DELINEATOR
WITH REFLECTIVE SHEETING

6

6

SDD 15A04 - 07e

SDD15A04 - 07e

DELINEATOR
WITH REFLECTIVE SHEETING

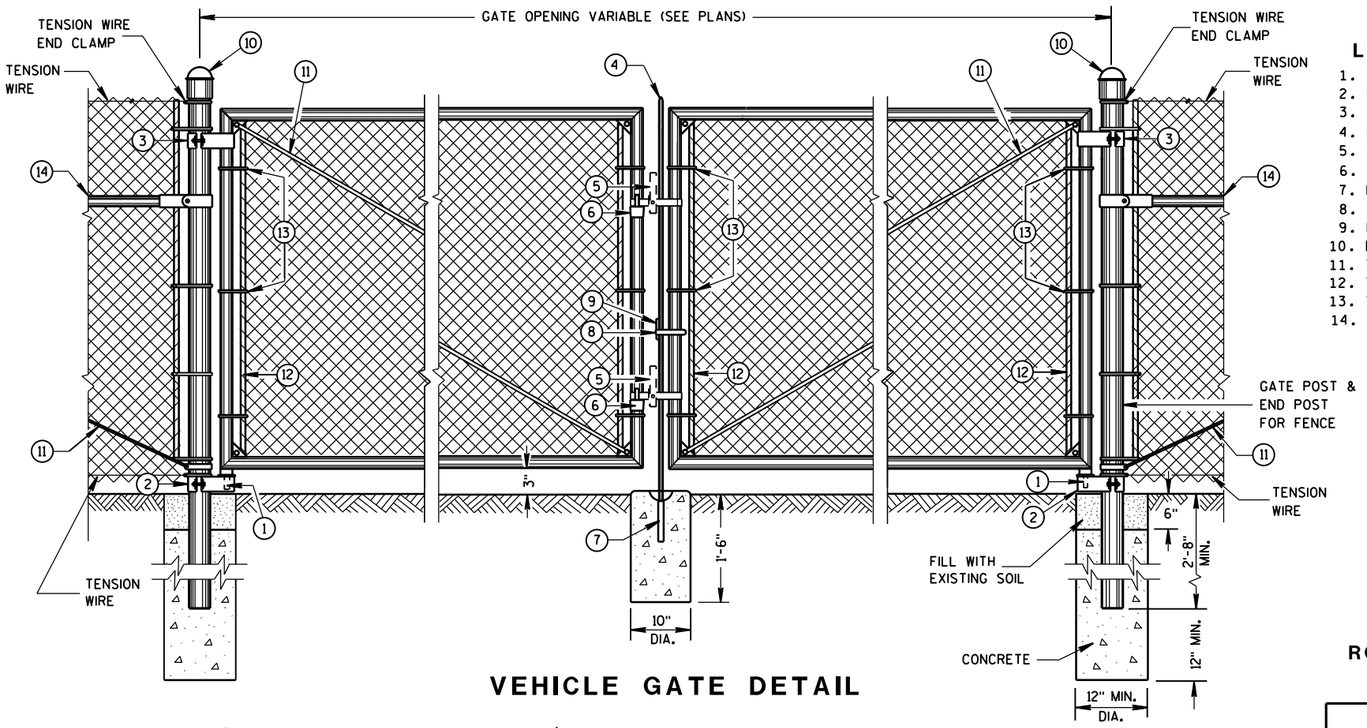
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

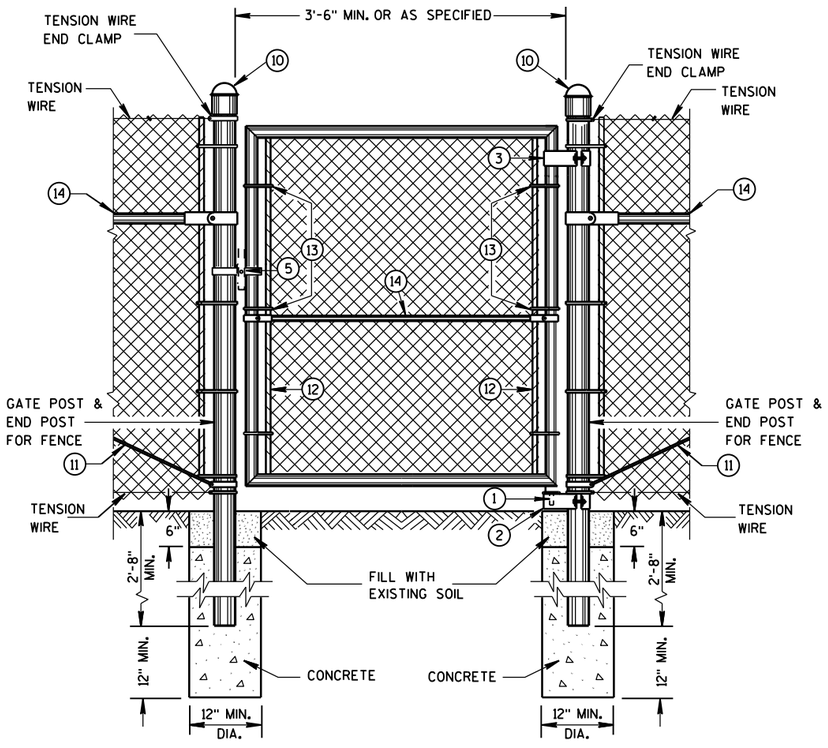
November 2021
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

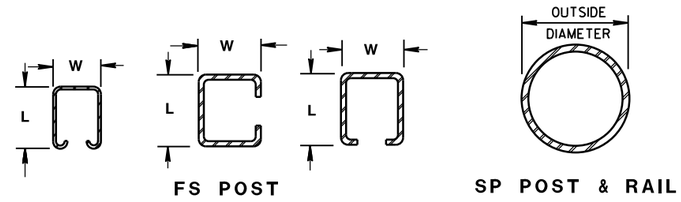
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



CROSS SECTIONS OF POSTS AND RAILS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

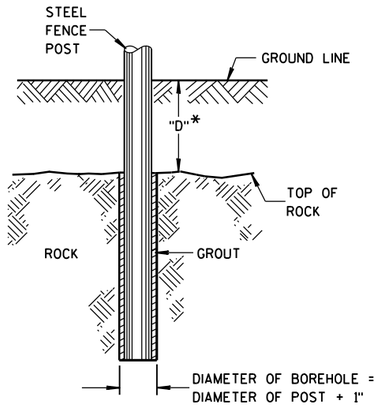
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

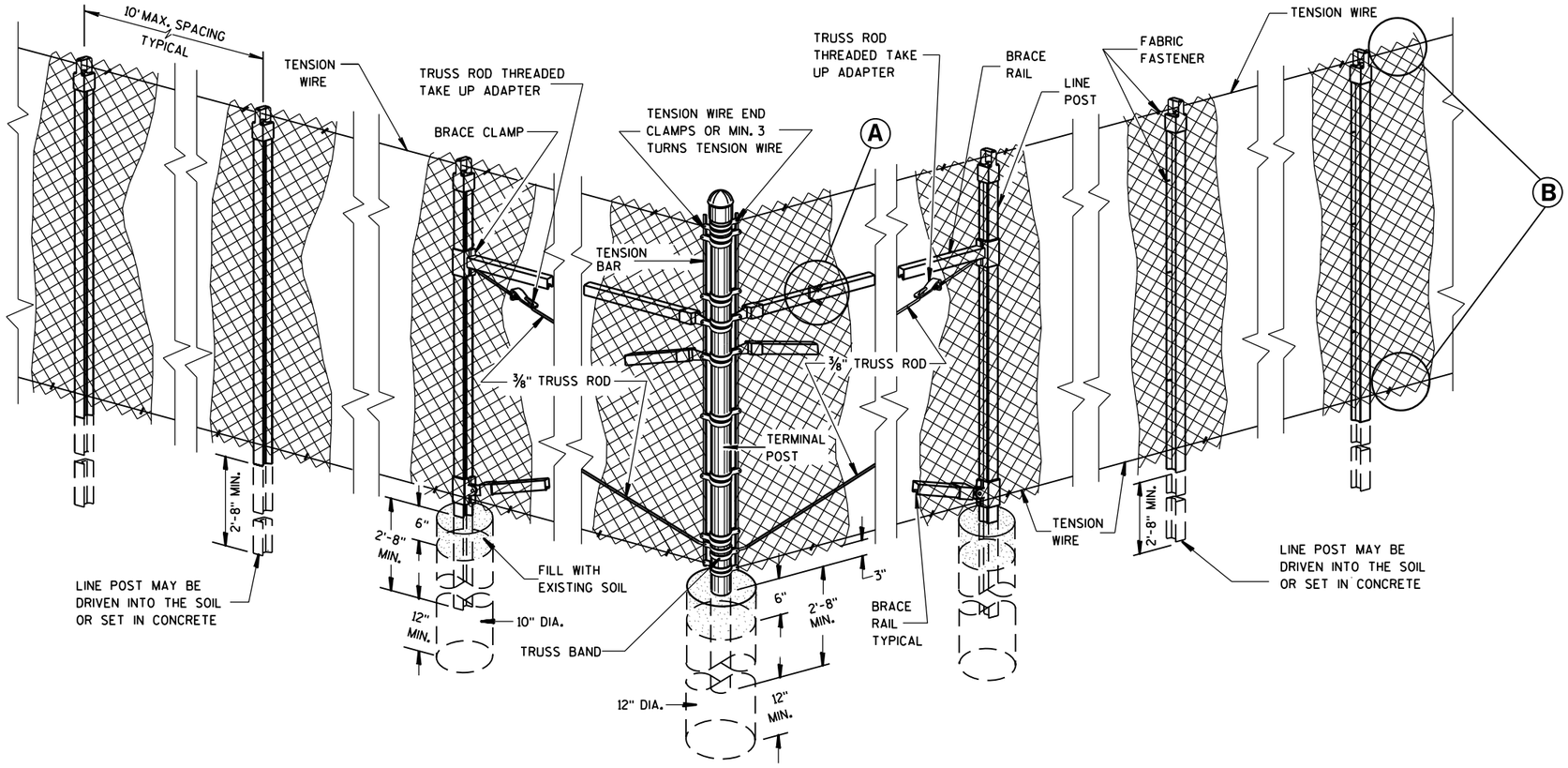
6

S.D.D. 15 B 3-15a

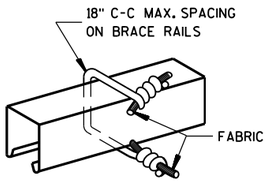


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



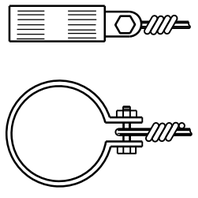
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



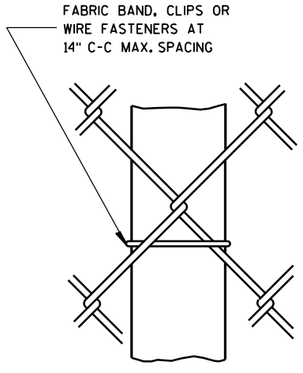
BRACE RAIL

FABRIC FASTENER

Ⓐ



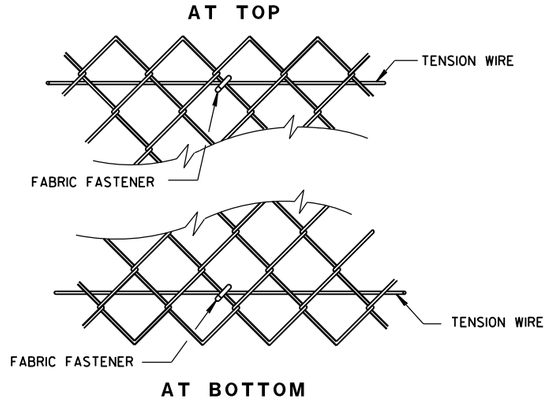
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

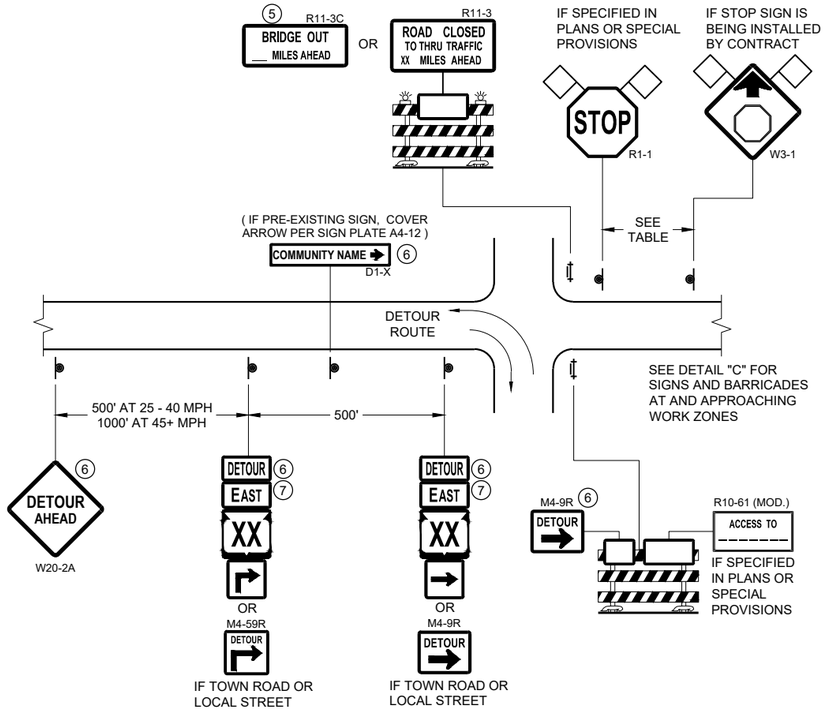
Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

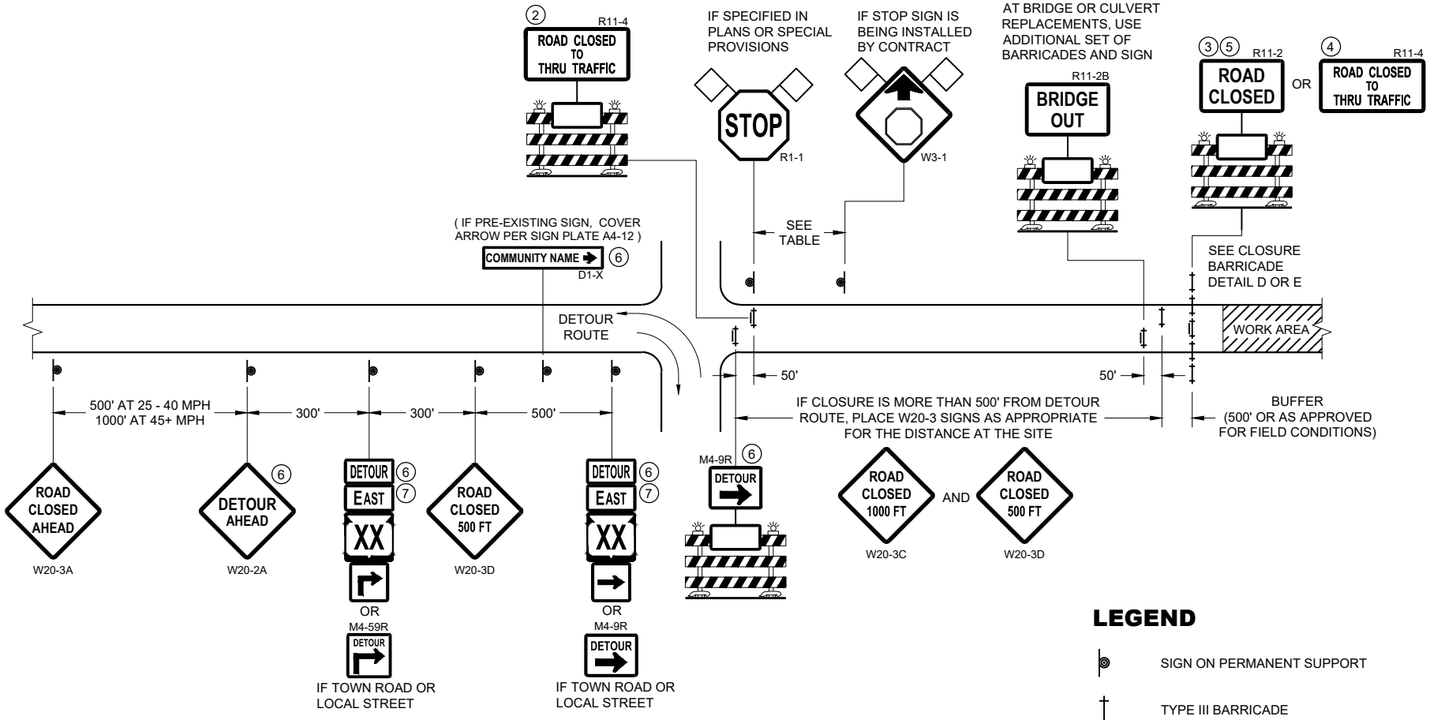
APPROVED
FEB. 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 15 B 3-15b



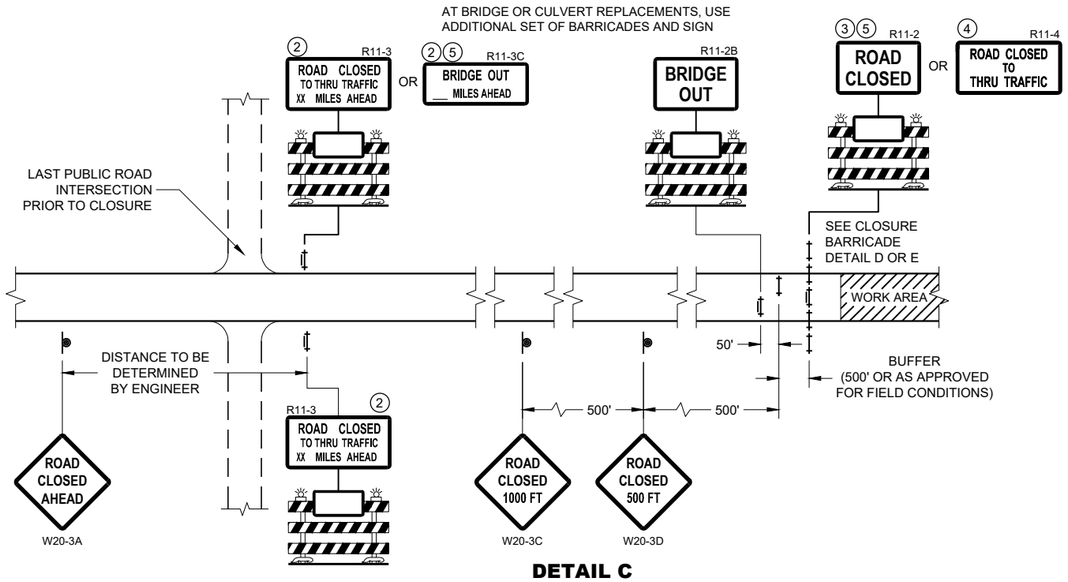
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

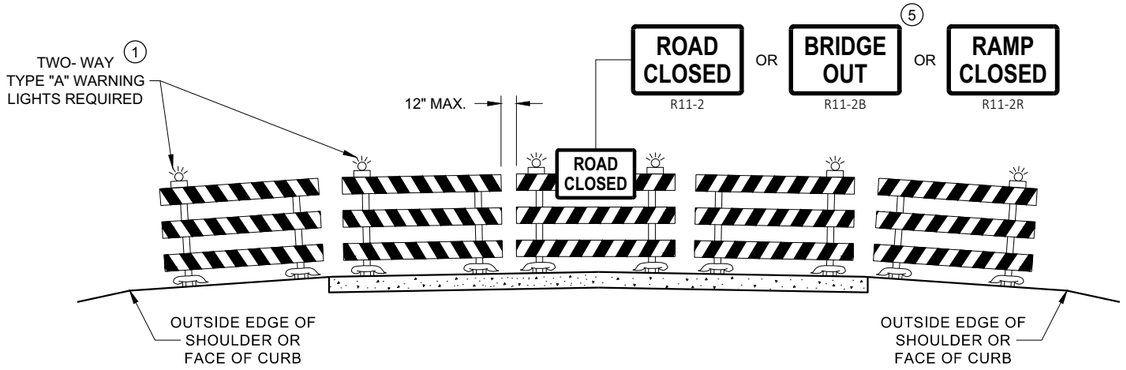
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

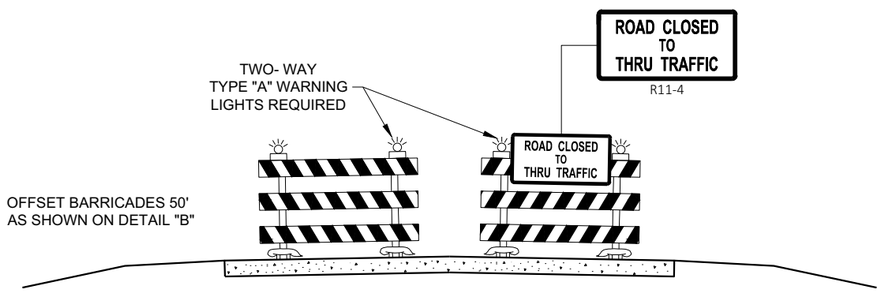
6

SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

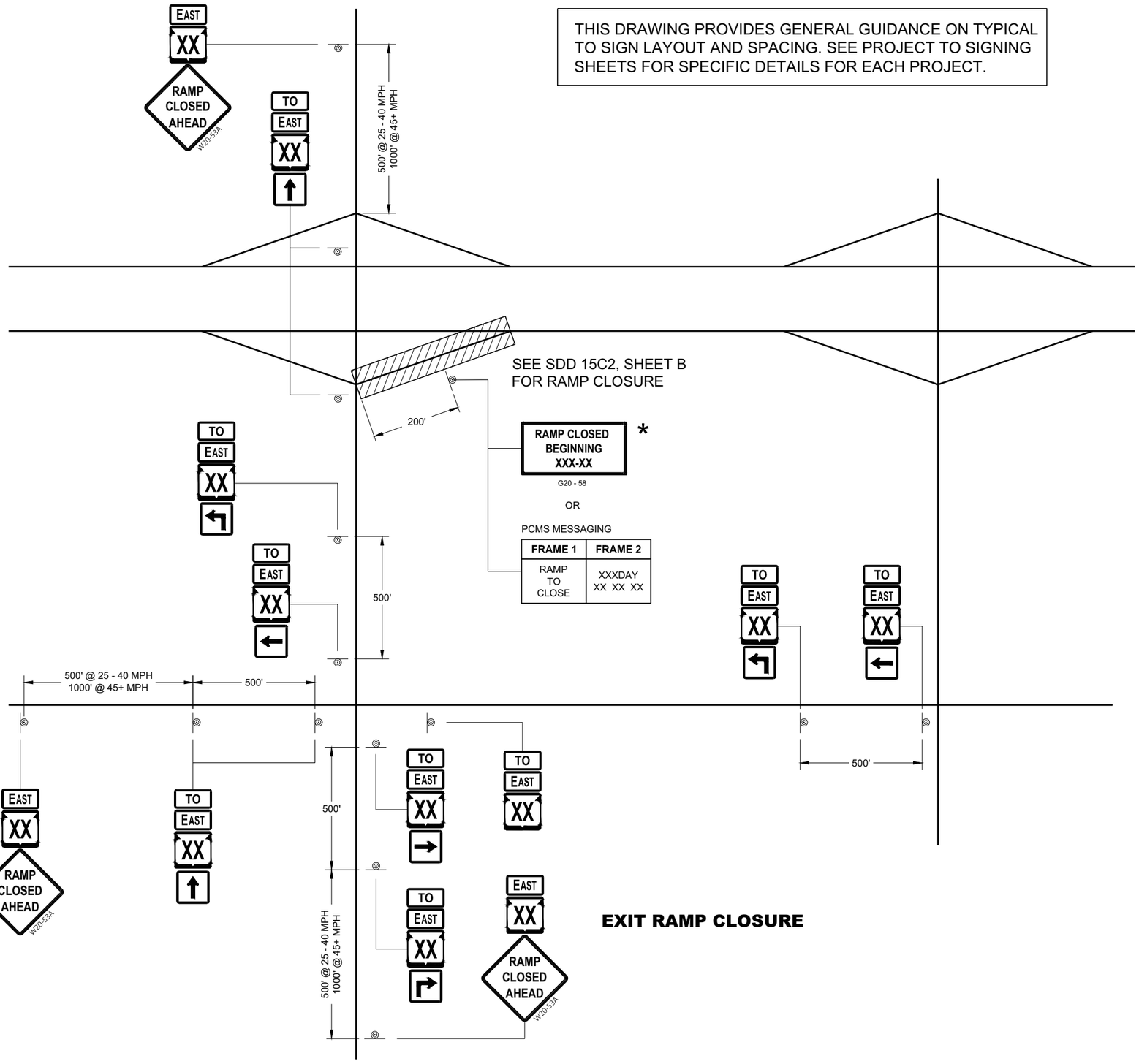
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b

6

SDD 15C02 - 08b



THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL TO SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

SIGN ON PERMANENT SUPPORT

TO EAST — MO4 - 5, M3 - X

XX M1 - 6 OR XX M1 - 4 OR INTERSTATE XX M1 - 1

M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE TO ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND TO SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:
- M3 - X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 1, M1 - 4, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).
- W20 - 53A SHALL BE 48" X 48"

* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR LAYOUT.

EXIT RAMP CLOSURE

ON RAMP LANE CLOSURE

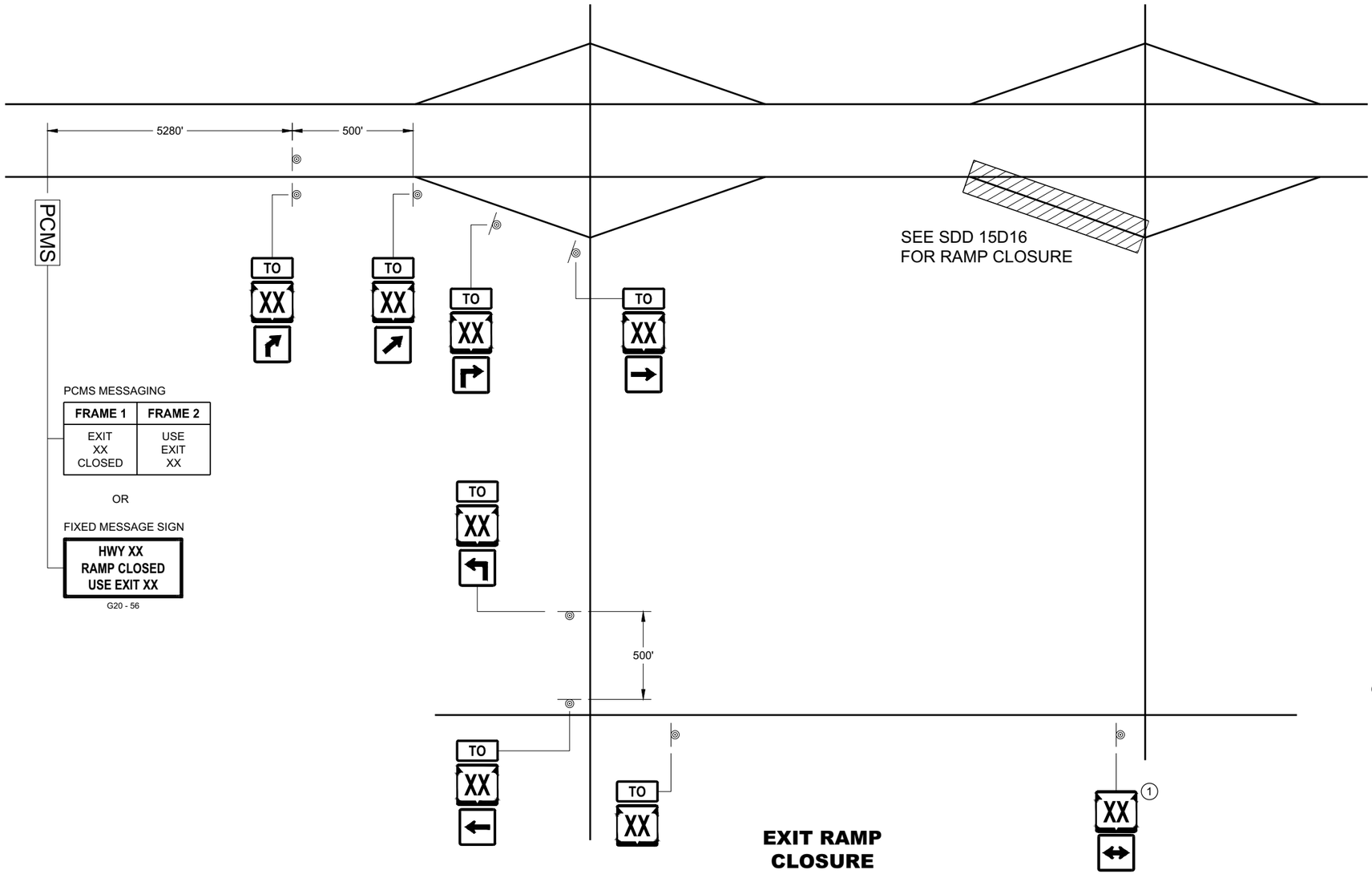
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15C02 - 08d

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL "TO" MO-4 SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.



PCMS MESSAGING

FRAME 1	FRAME 2
EXIT XX CLOSED	USE EXIT XX

OR

FIXED MESSAGE SIGN

HWY XX
RAMP CLOSED
USE EXIT XX

G20 - 56

EXIT RAMP CLOSURE

LEGEND

SIGN ON PERMANENT SUPPORT

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TO MO4 - 5

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M05 - 2 OR M06 - 1 OR M06 - 2 OR M06 - 4

GENERAL NOTES

SEE SDD 15D16 "TRAFFIC CONTROL, EXIT RAMP CLOSURE" DETAIL FOR TRAFFIC CONTROL AT EXIT RAMP CLOSURE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE "TO" MO-4 ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND "TO" MO-4 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 4, M1 - 5A, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).

(1) ONLY ADD IF THERE ARE NO EXISTING ROUTE MARKERS FOR THE INTERSECTING ROADWAY.

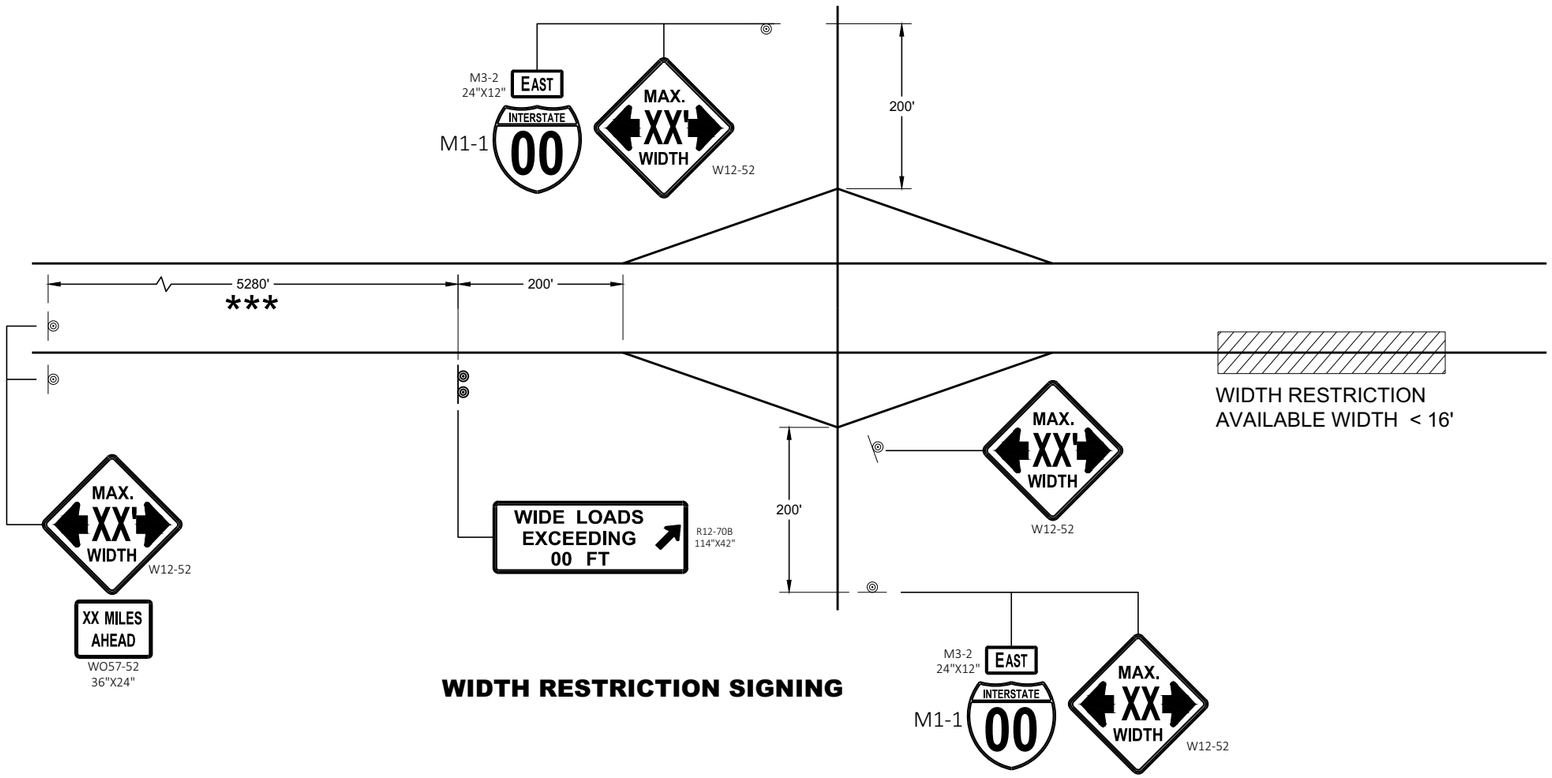
OFF RAMP LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 DATE
/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08e



WIDTH RESTRICTION SIGNING

LEGEND

◎ SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

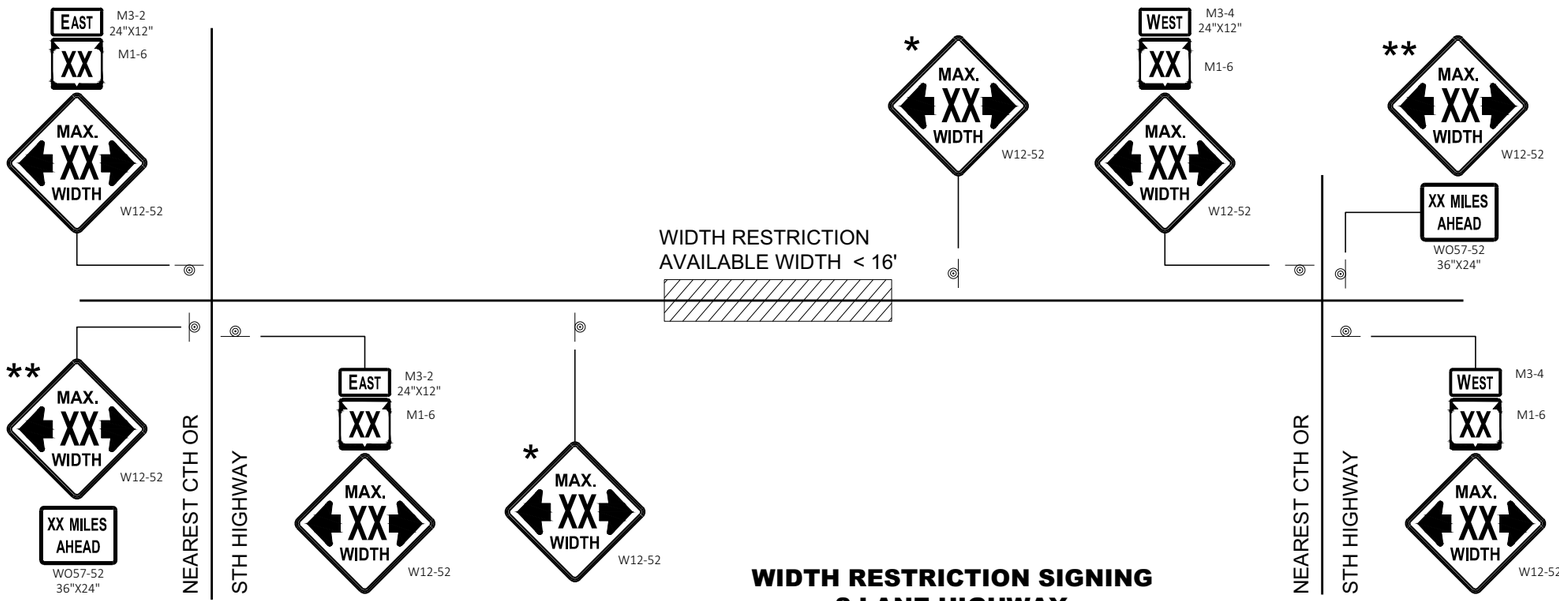
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

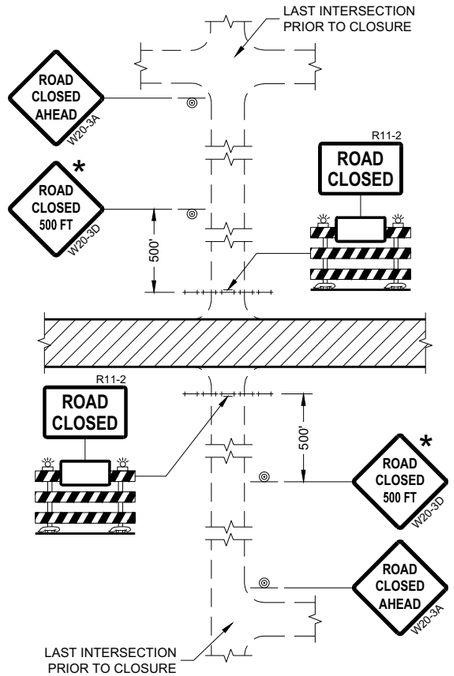
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 455

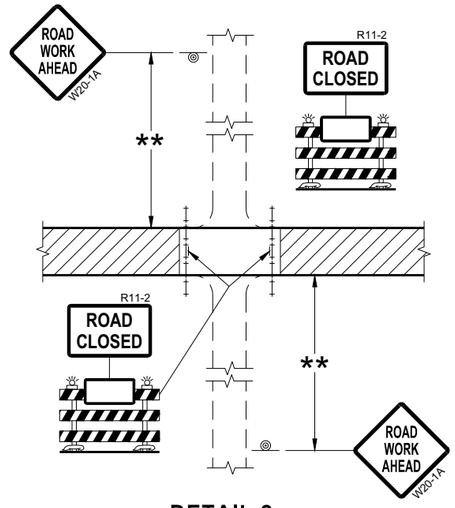
FHWA

6

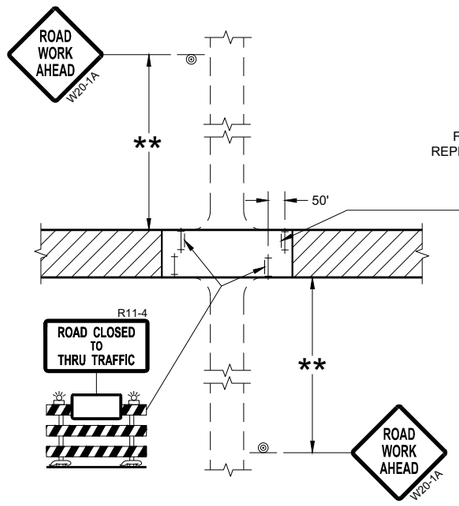
SDD 15C02 - 08f



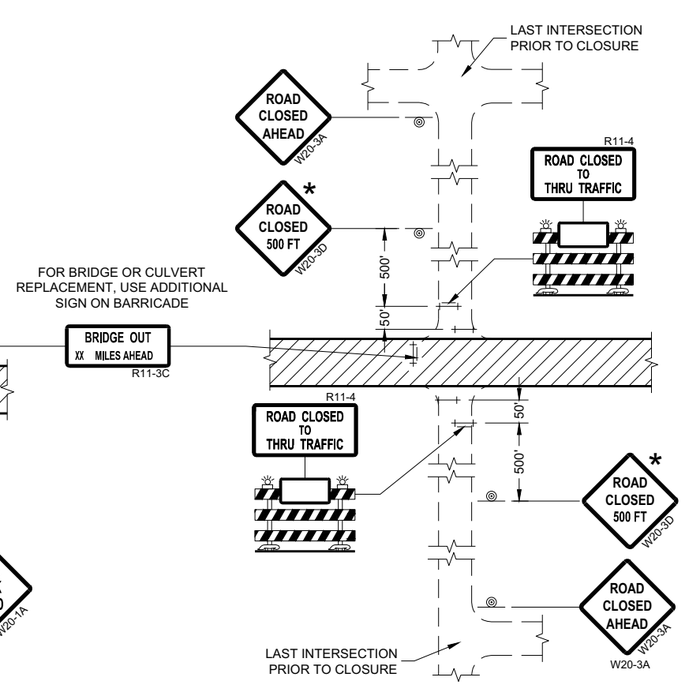
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

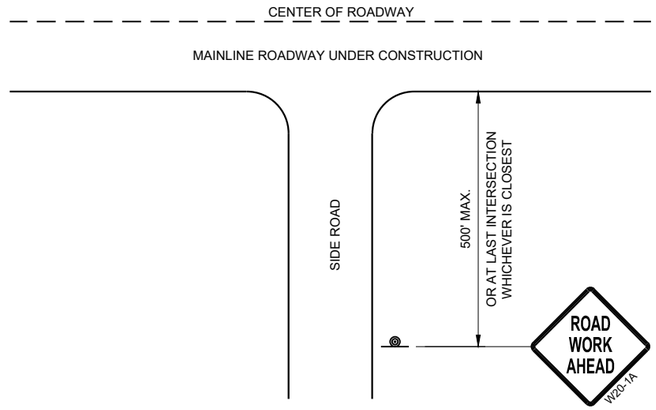
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



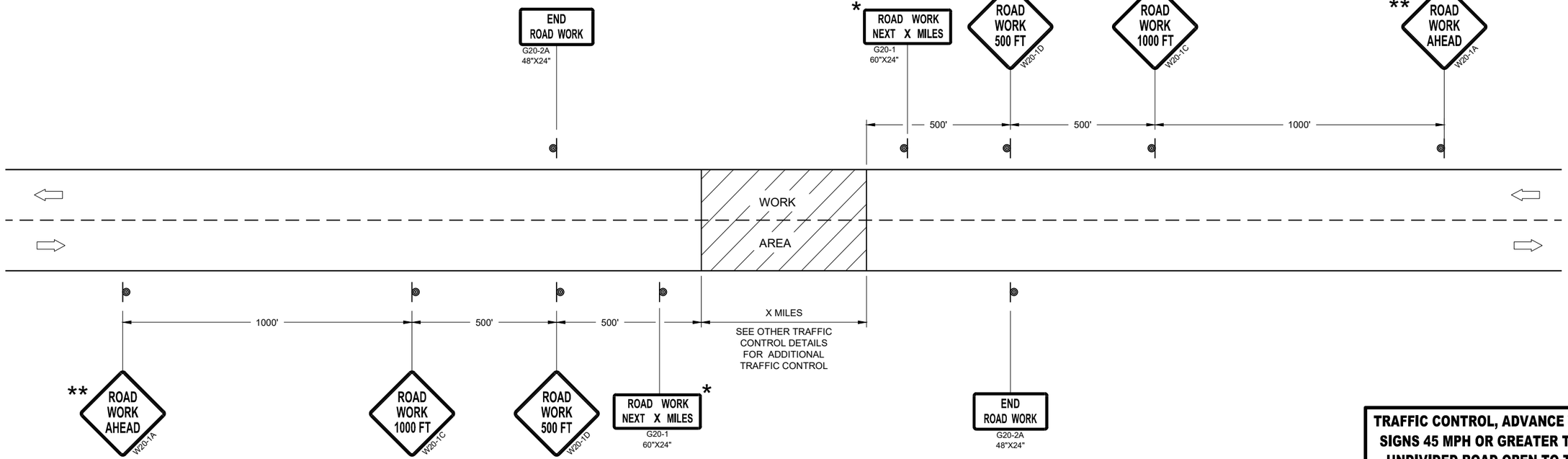
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

457

FHWA

6

SDD 15C04 - 05

6

SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

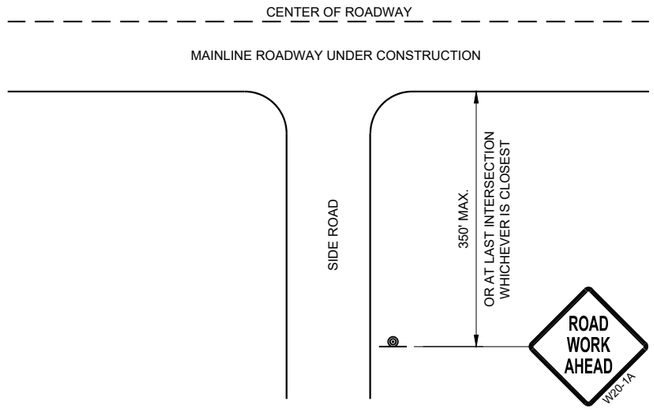
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.



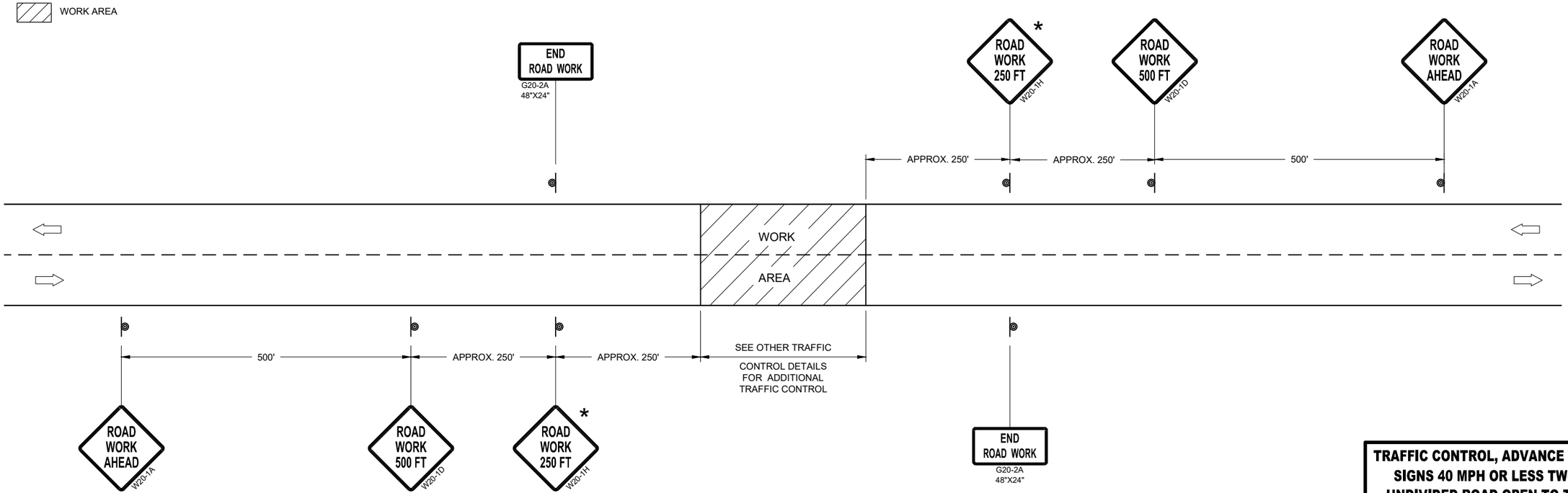
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

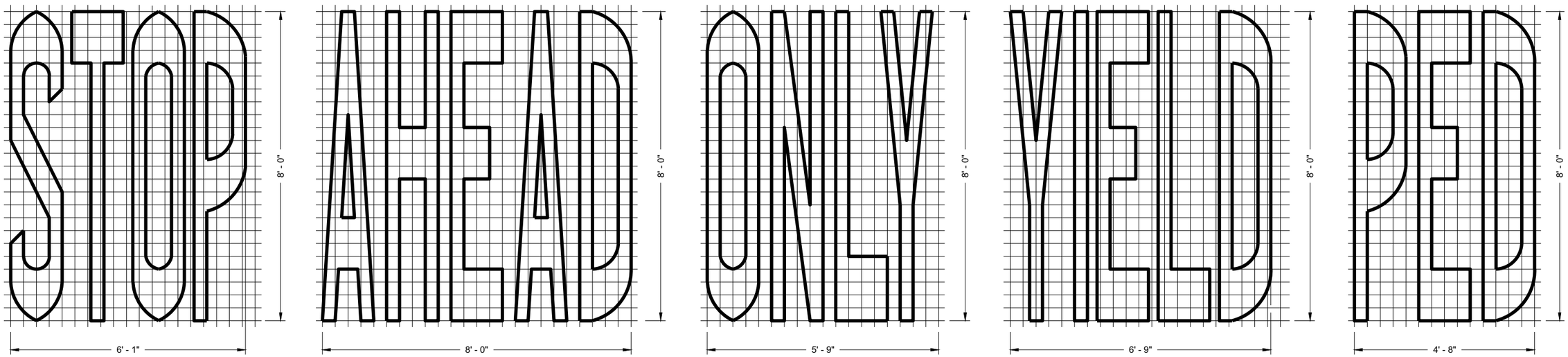
/S/ Andrew Heidtke
WORK ZONE ENGINEE

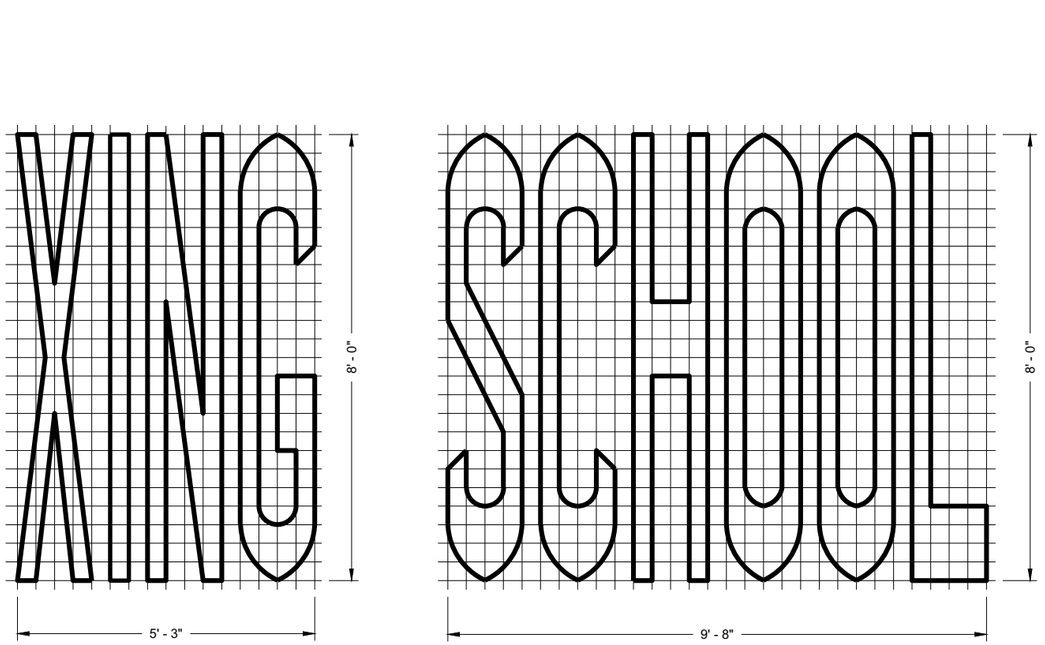
458

FHWA

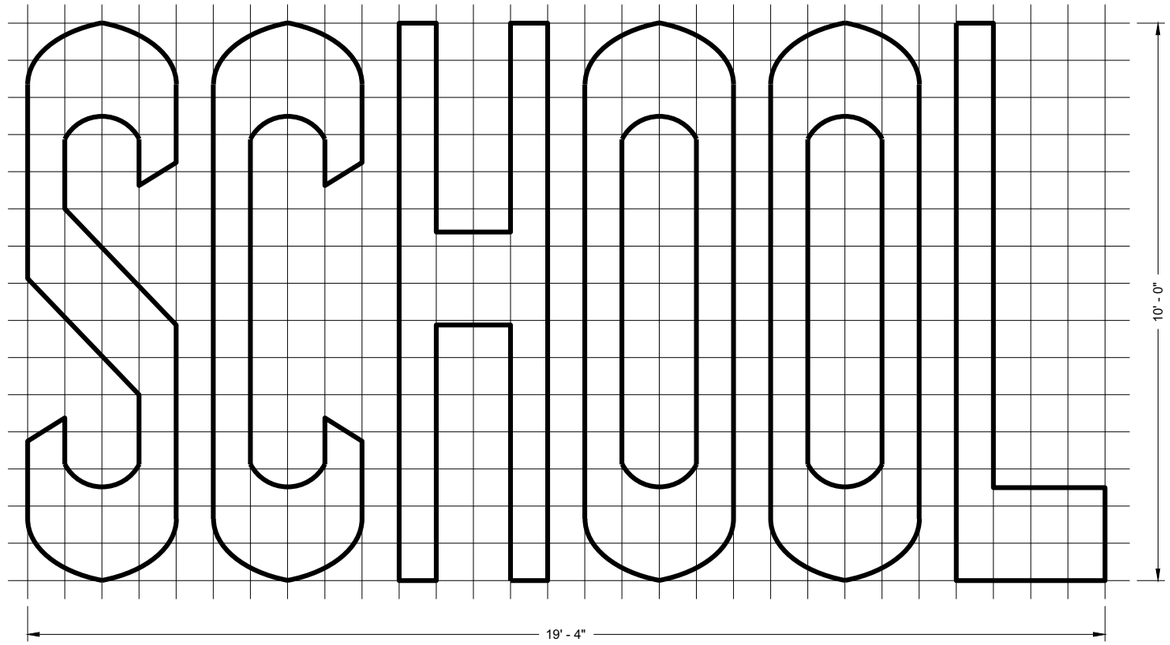
6

SDD 15C05 - 05





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

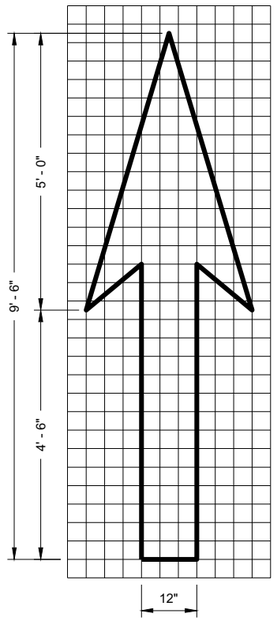
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

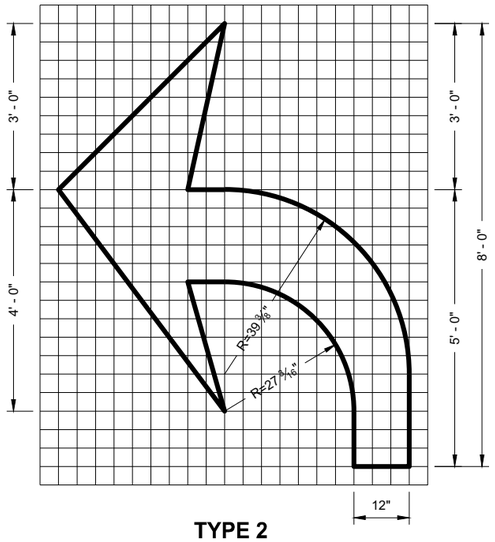
6

SDD 15C07 - 15b

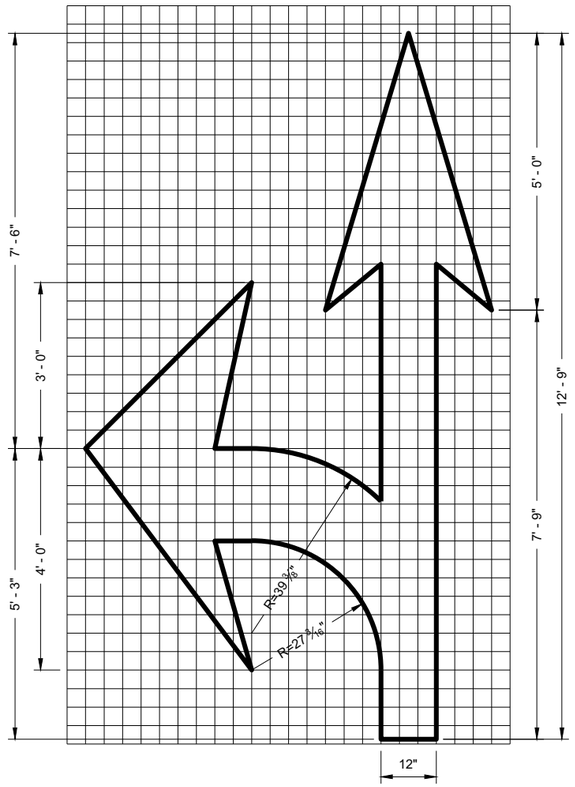
SDD 15C07 - 15b



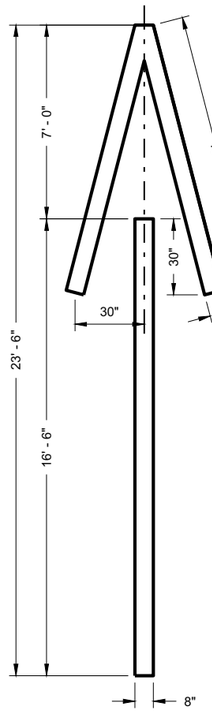
TYPE 1



TYPE 2



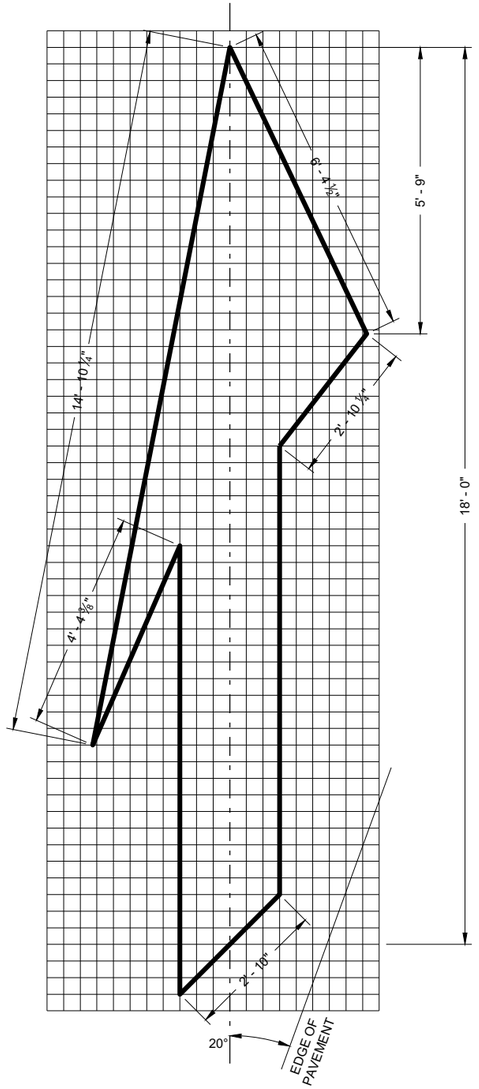
TYPE 3



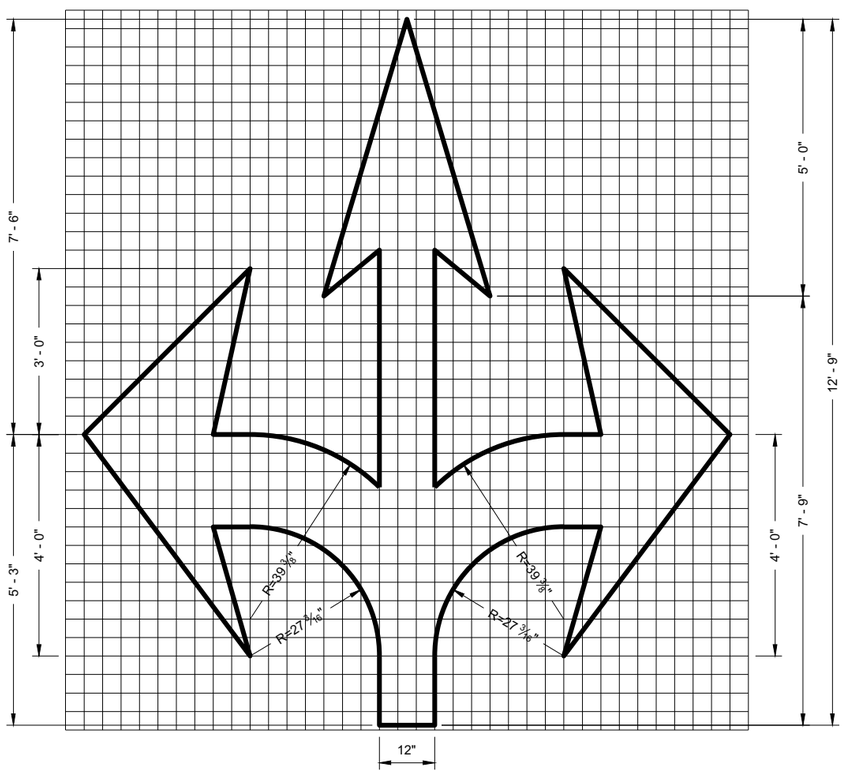
TYPE 4

GENERAL NOTES

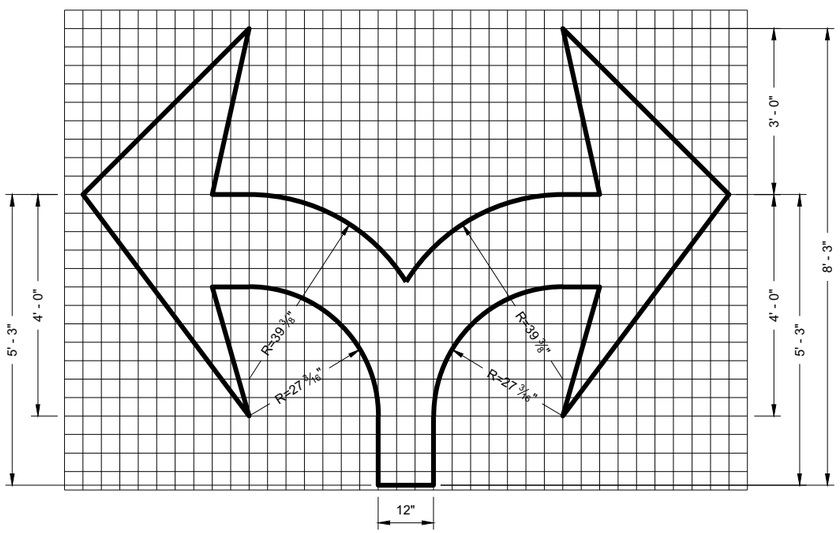
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

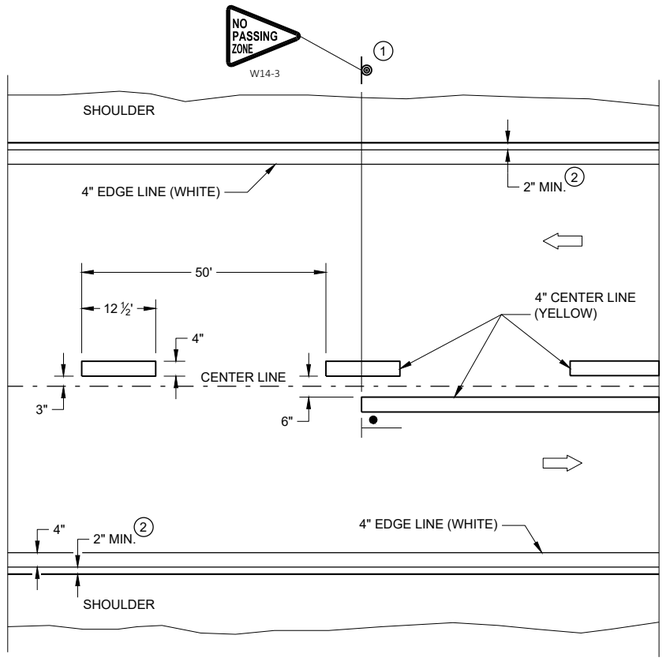
460

6

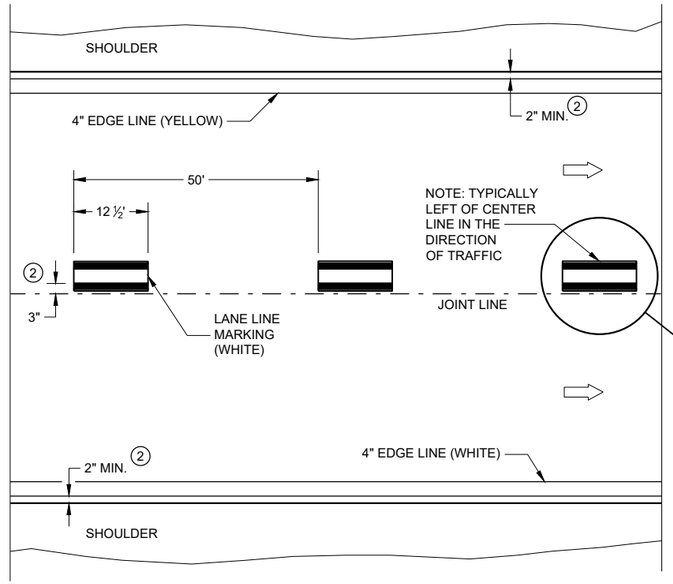
SDD 15C07 - 15c

6

SDD 15C07 - 15c

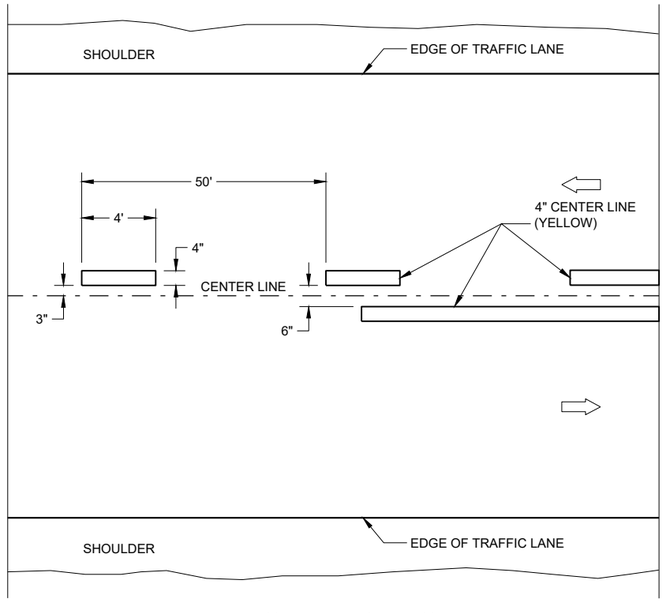


TWO WAY TRAFFIC

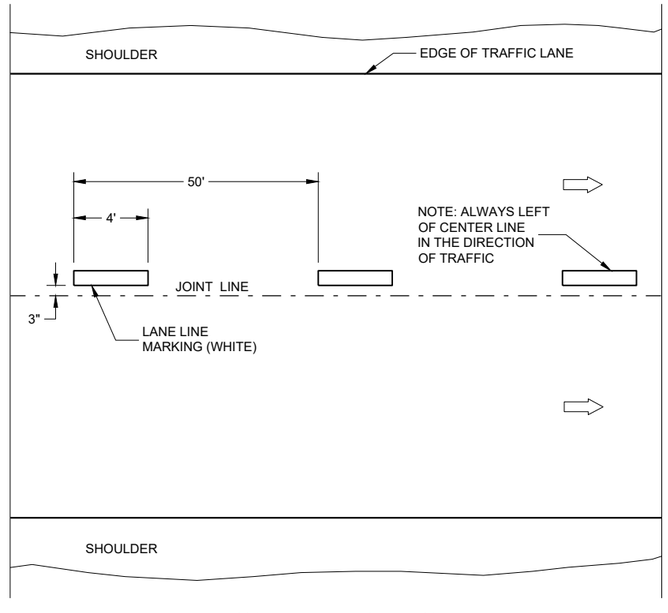


ONE WAY TRAFFIC

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.

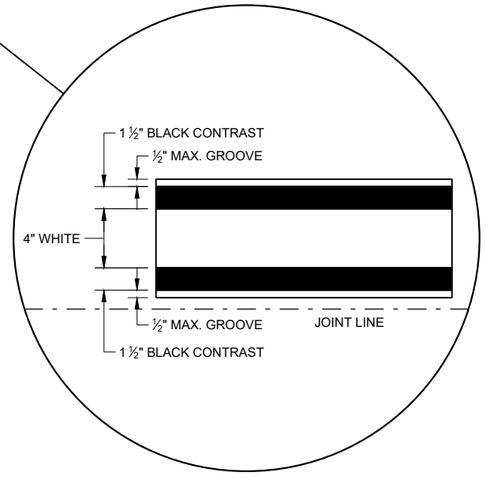
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

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

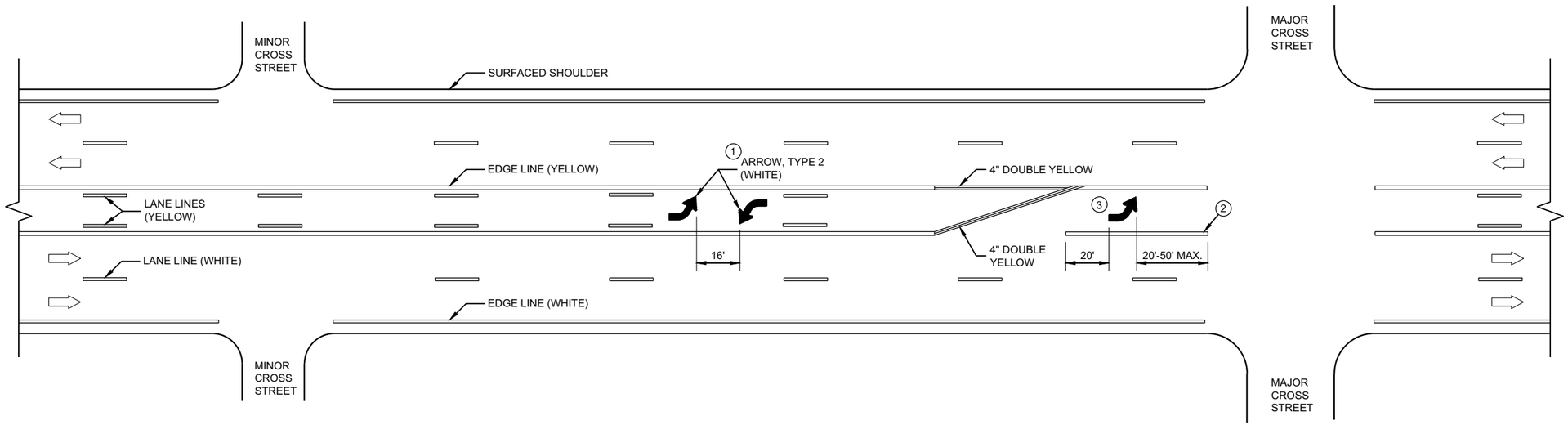
SDD 15C08 - 20a

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

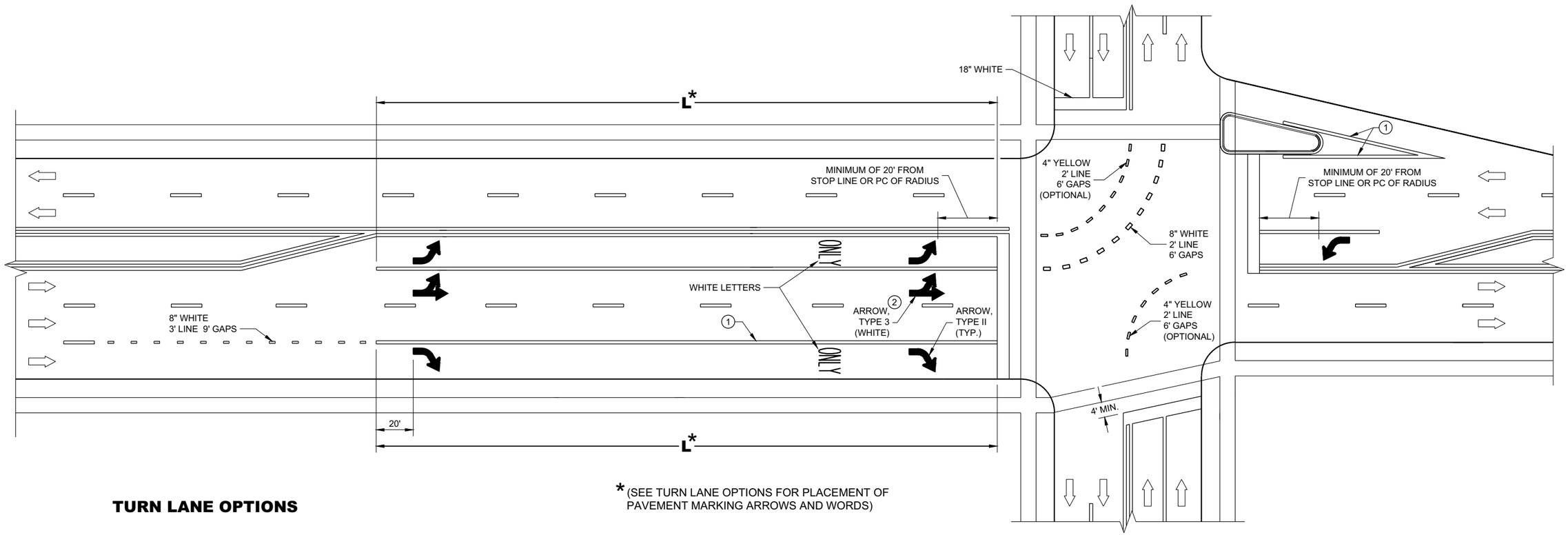
SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

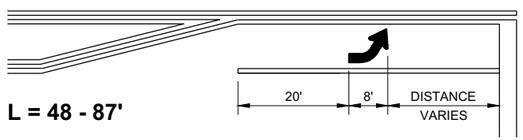
SDD 15C08 - 20b



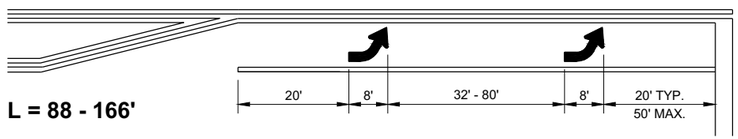
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

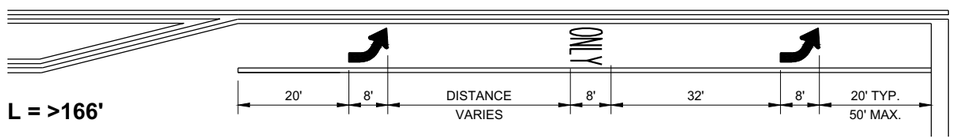
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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)

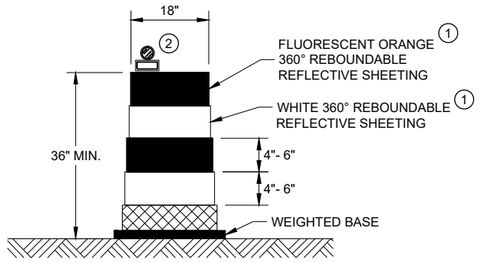
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

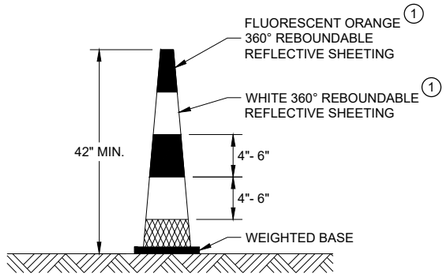
SDD 15C08 - 20c

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.

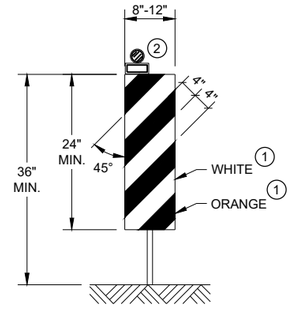


DRUM



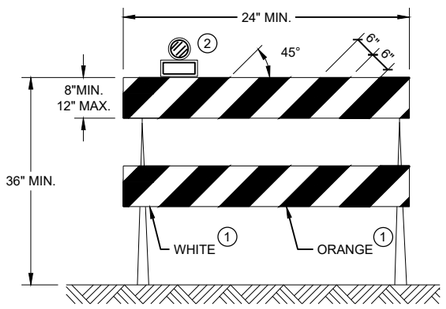
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



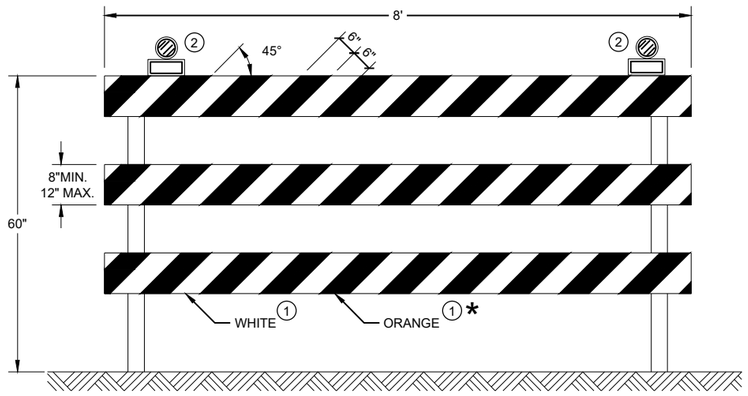
VERTICAL PANEL

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 ENGINEE

FHWA

6

SDD15C11 - 09b

6

SDD15C11 - 09b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

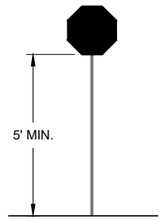
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

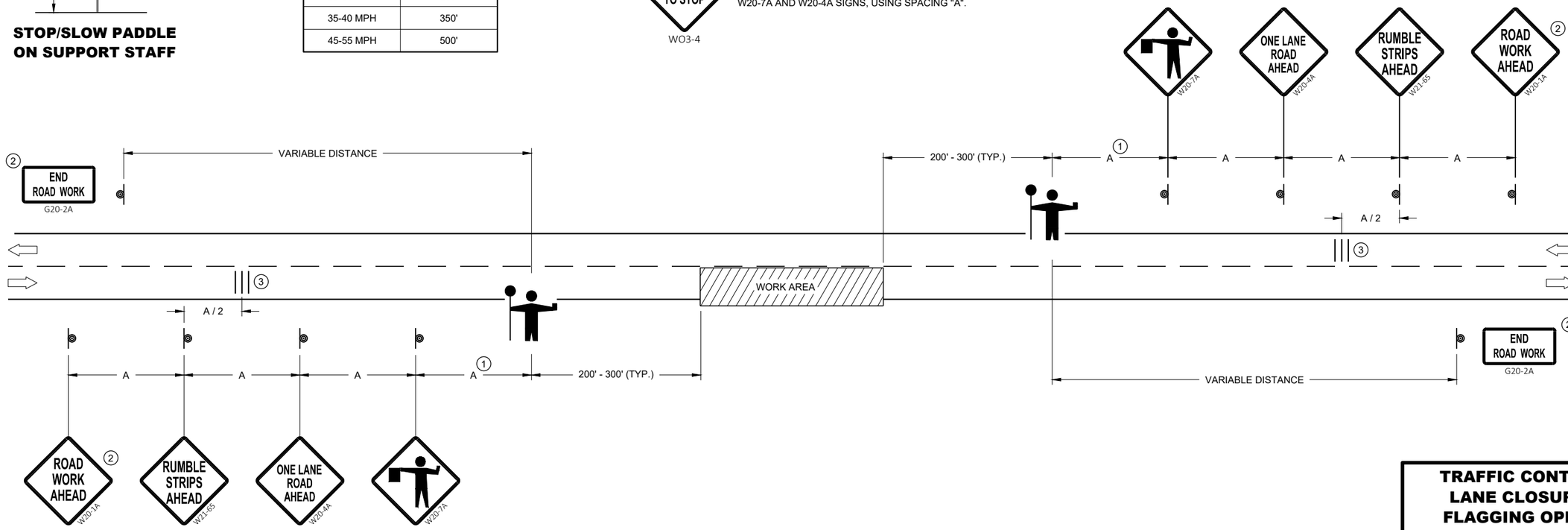
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

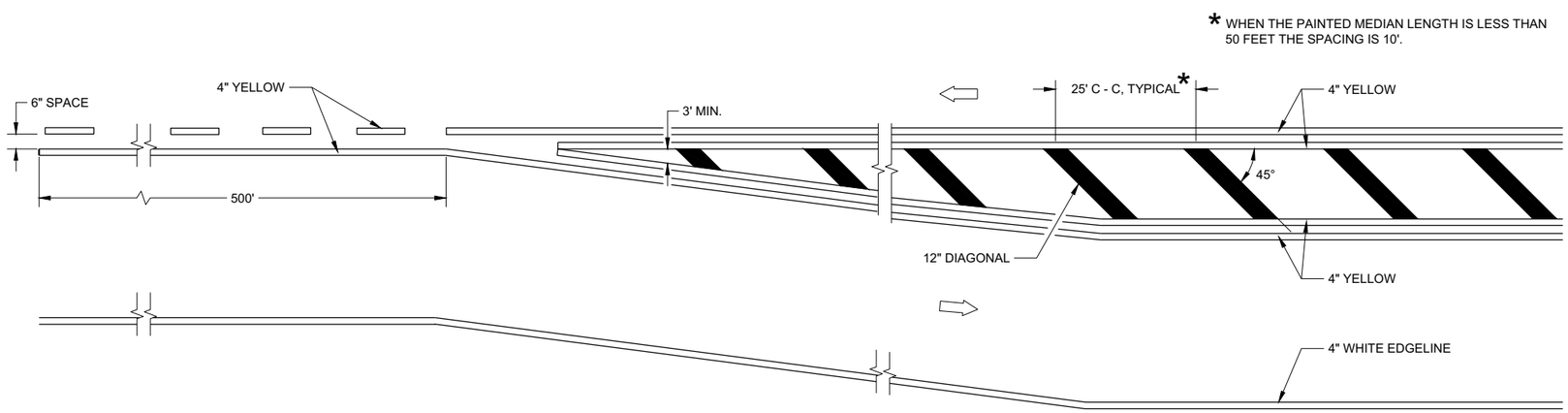
APPROVED
November 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

465

FHWA

6
SDD 15C12 - 08

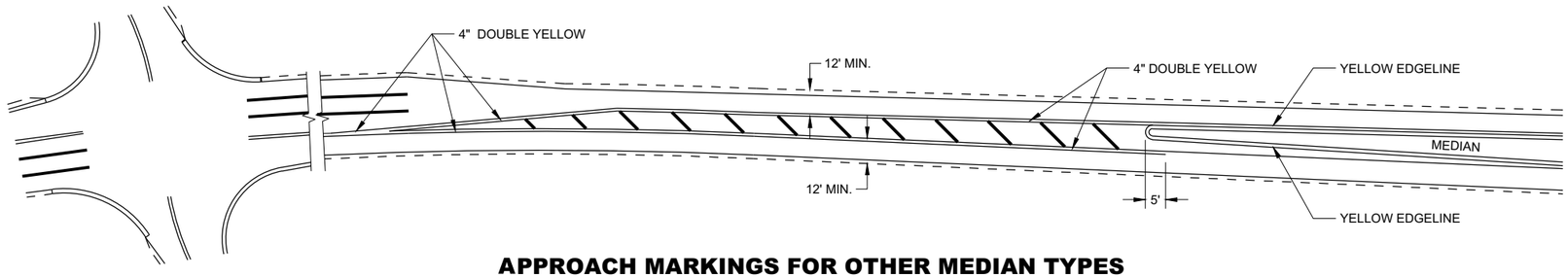


MEDIAN ISLAND DETAIL

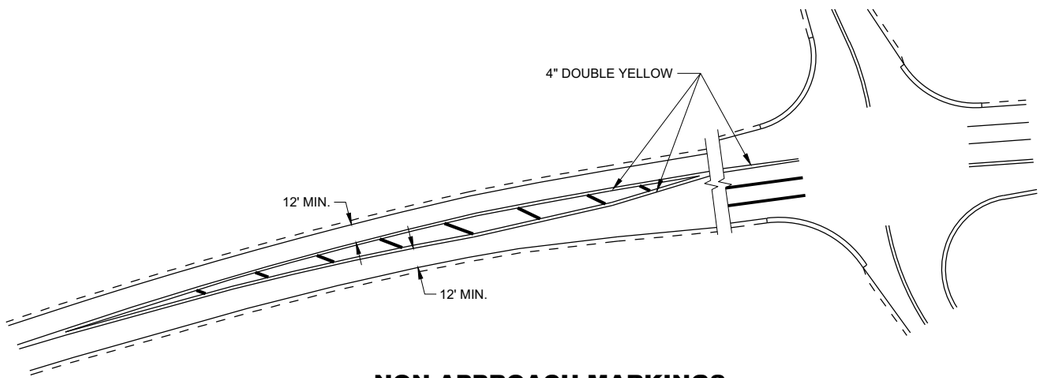
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

6

6

SDD 15C18 - 05a

SDD 15C18 - 05a

MEDIAN ISLAND PAVEMENT MARKINGS

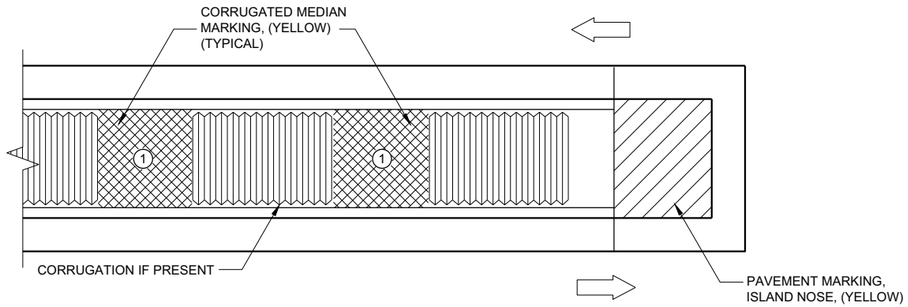
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

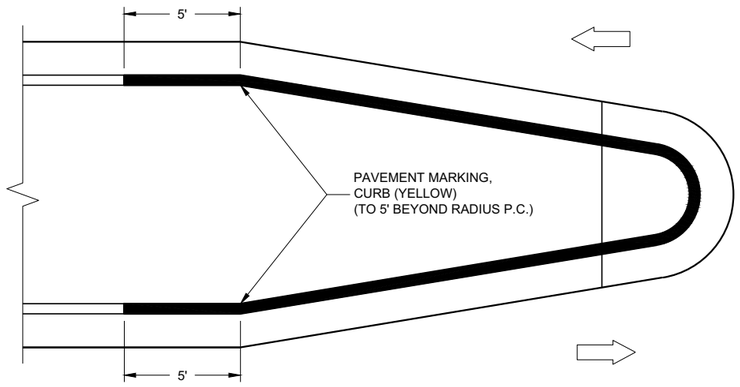
February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

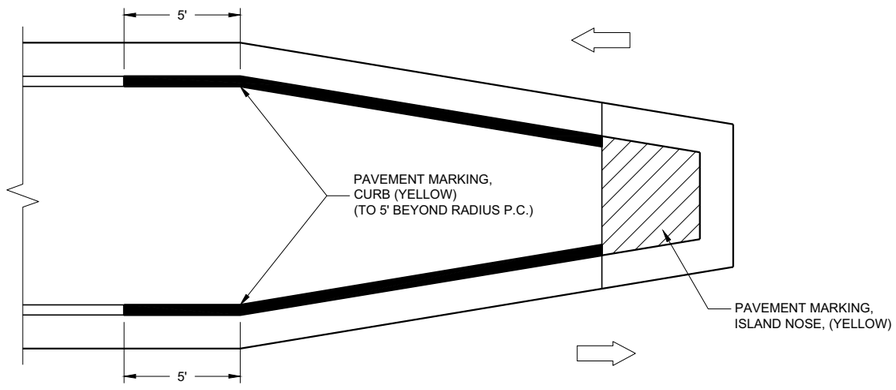
FHWA



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

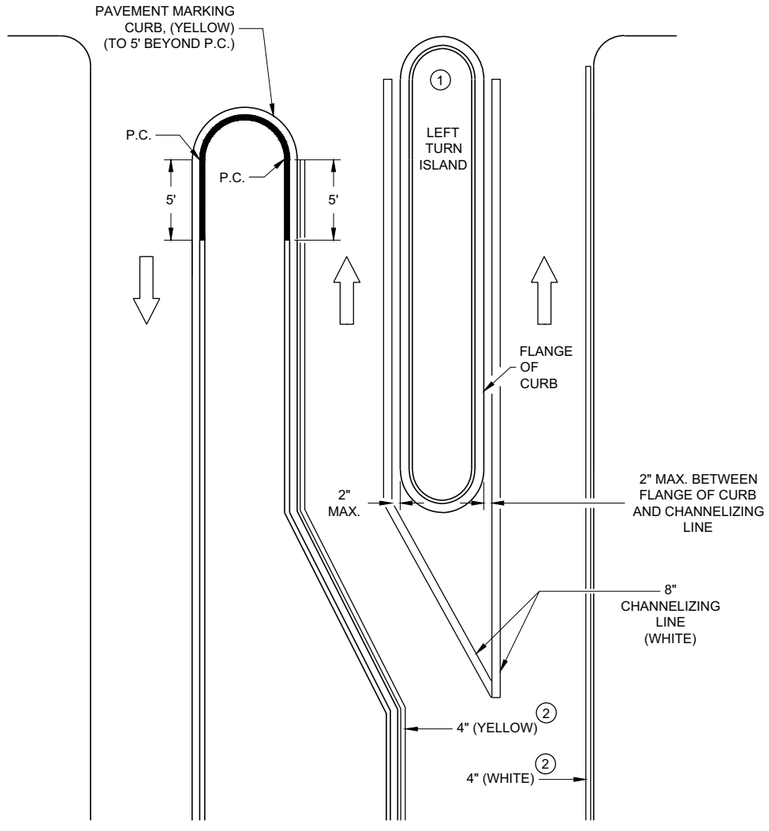
6

SDD 15C18 - 05b

6

SDD15C18 - 05b

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

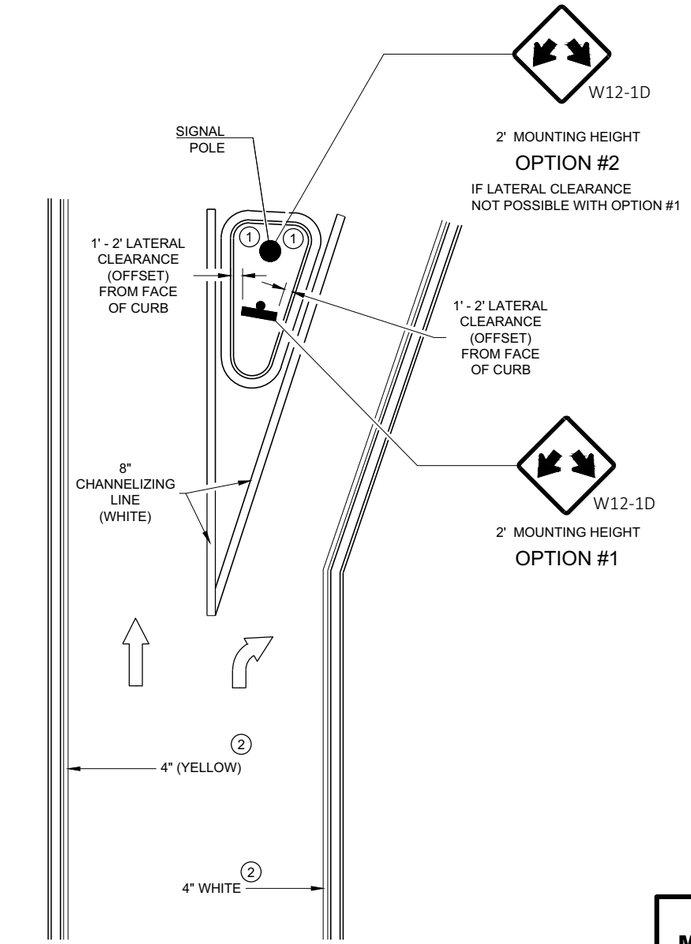
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

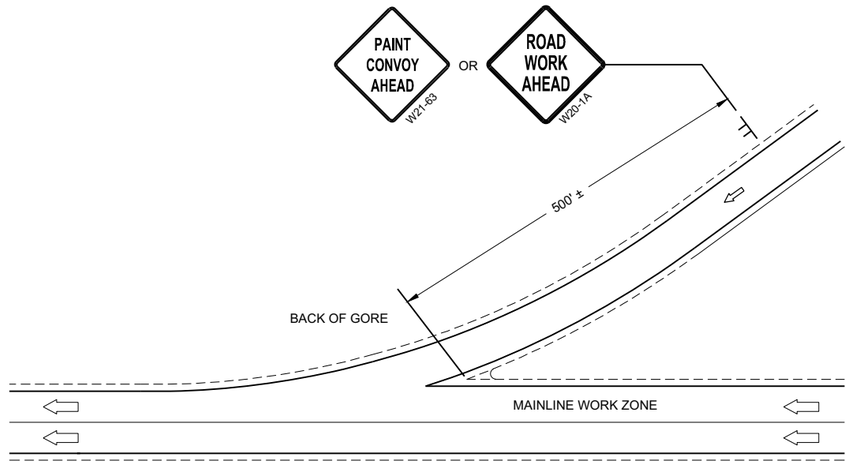
SDD 15C18 - 05c

6

SDD 15C18 - 05c

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.

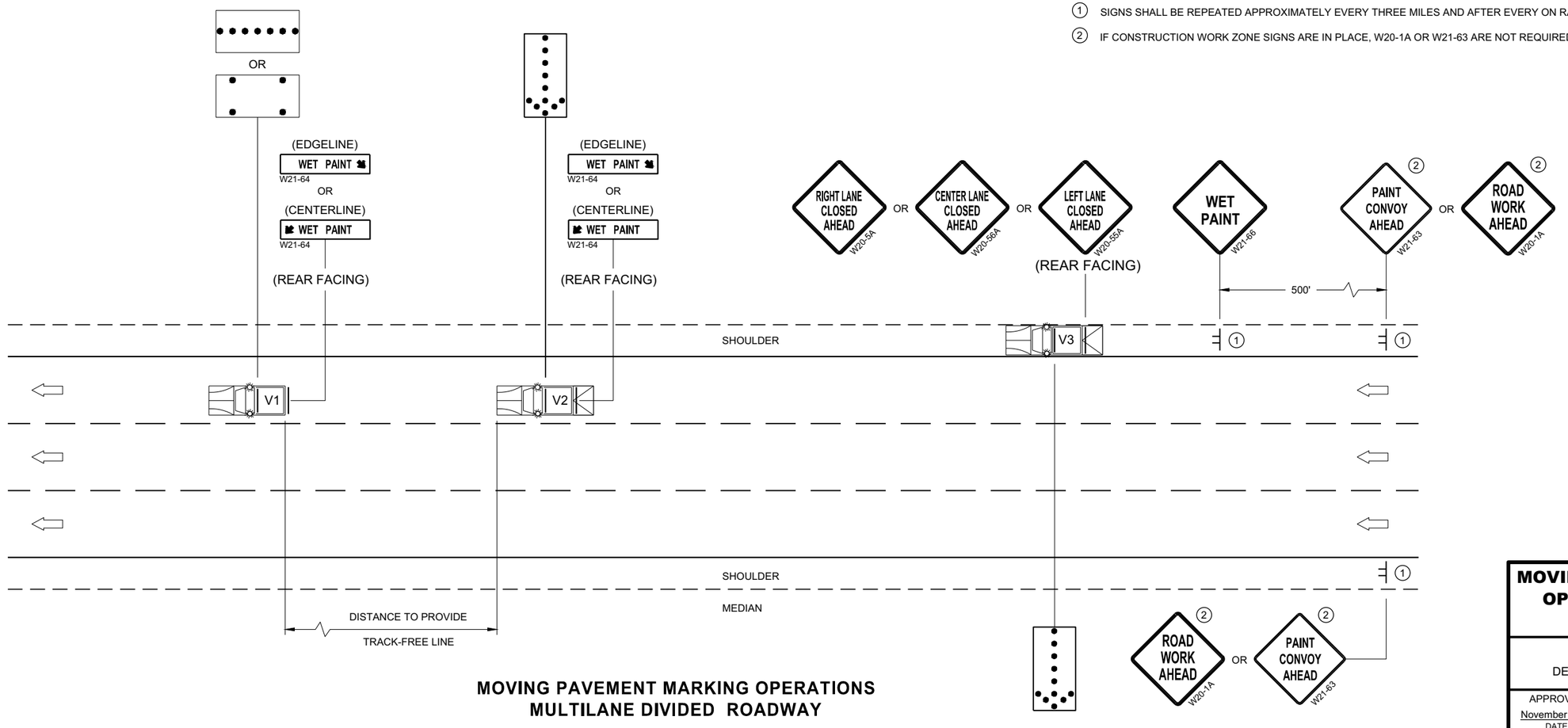
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

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

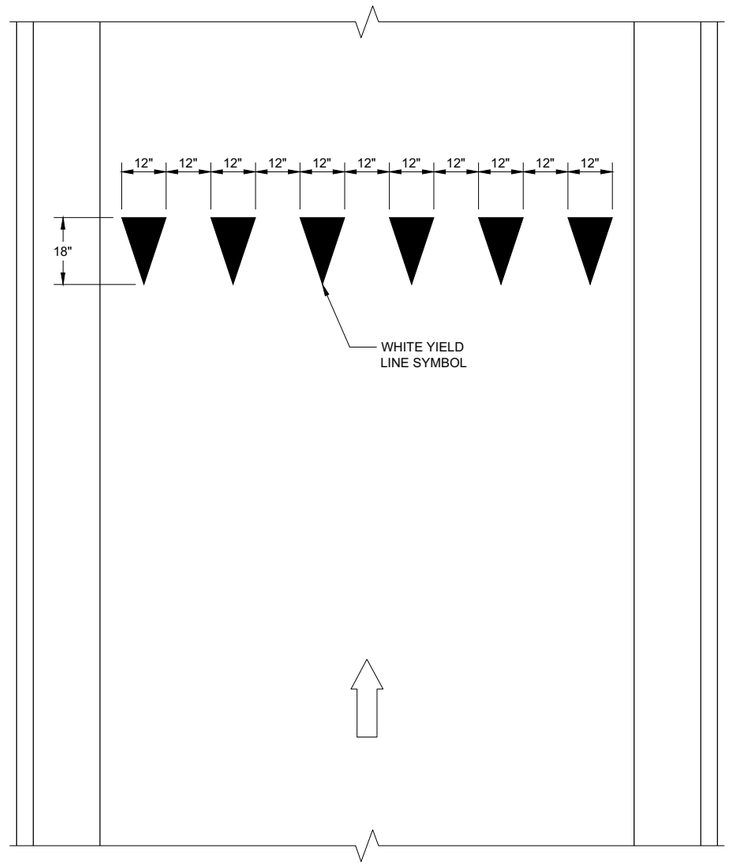
FHWA

6

SDD15C19 - 06c

6

SDD15C19 - 06c

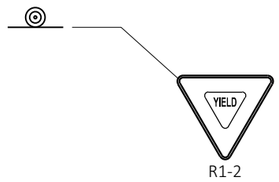


YIELD LINE

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



R1-2

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-81-2016
DATE

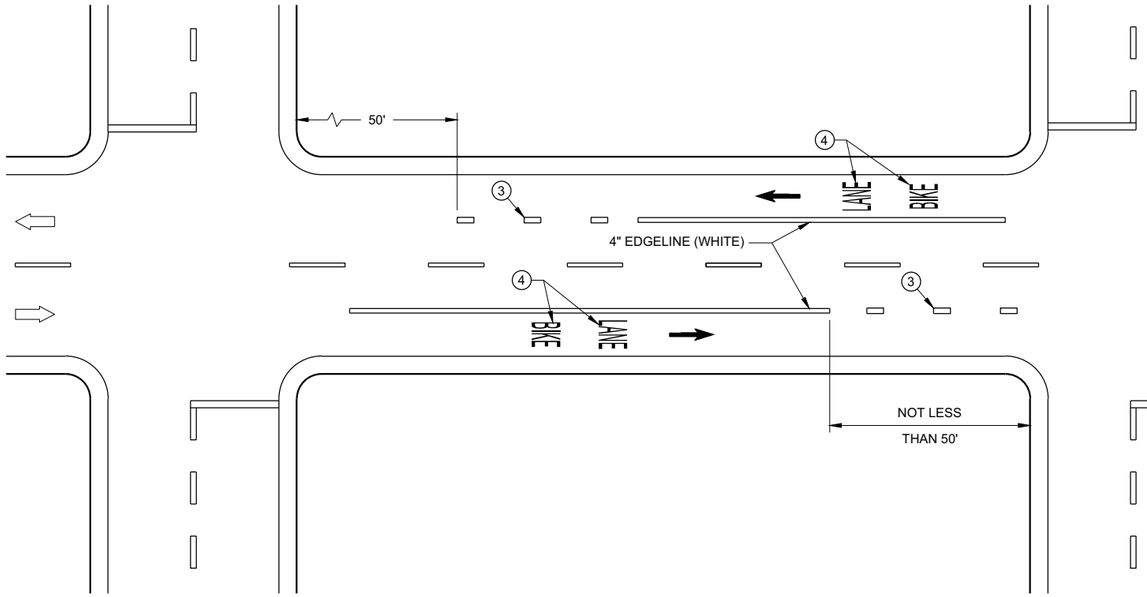
/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

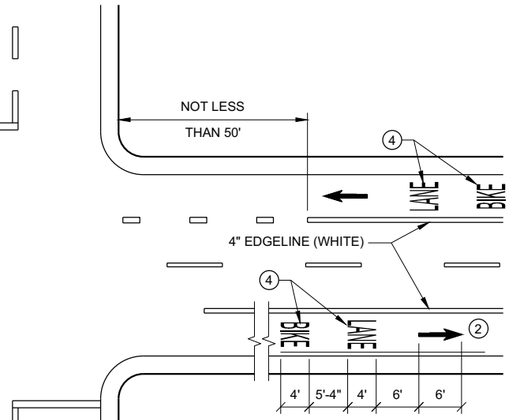
FHWA

6

SDD 15C20 - 02

SDD 15C20 - 02



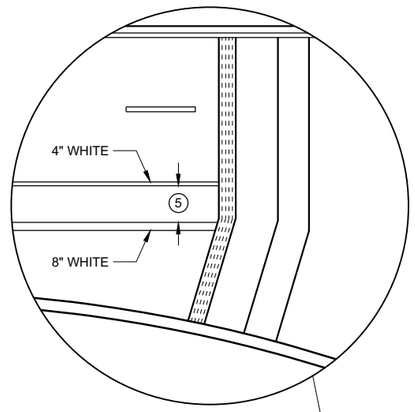


GENERAL NOTES

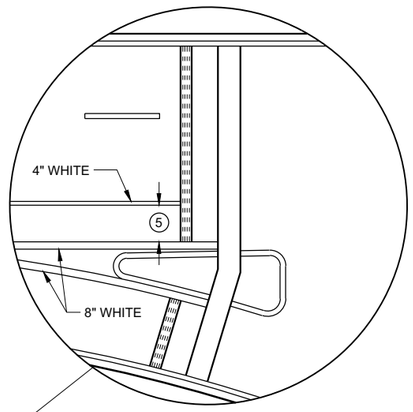
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

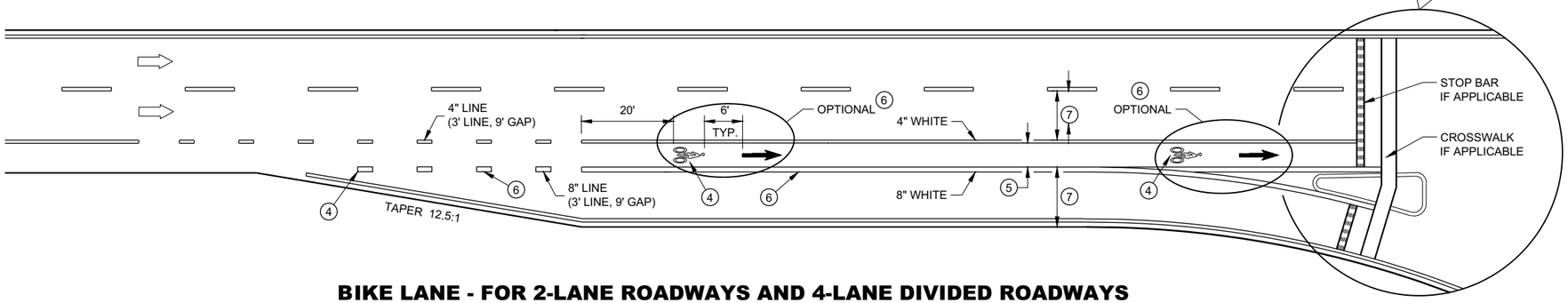
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

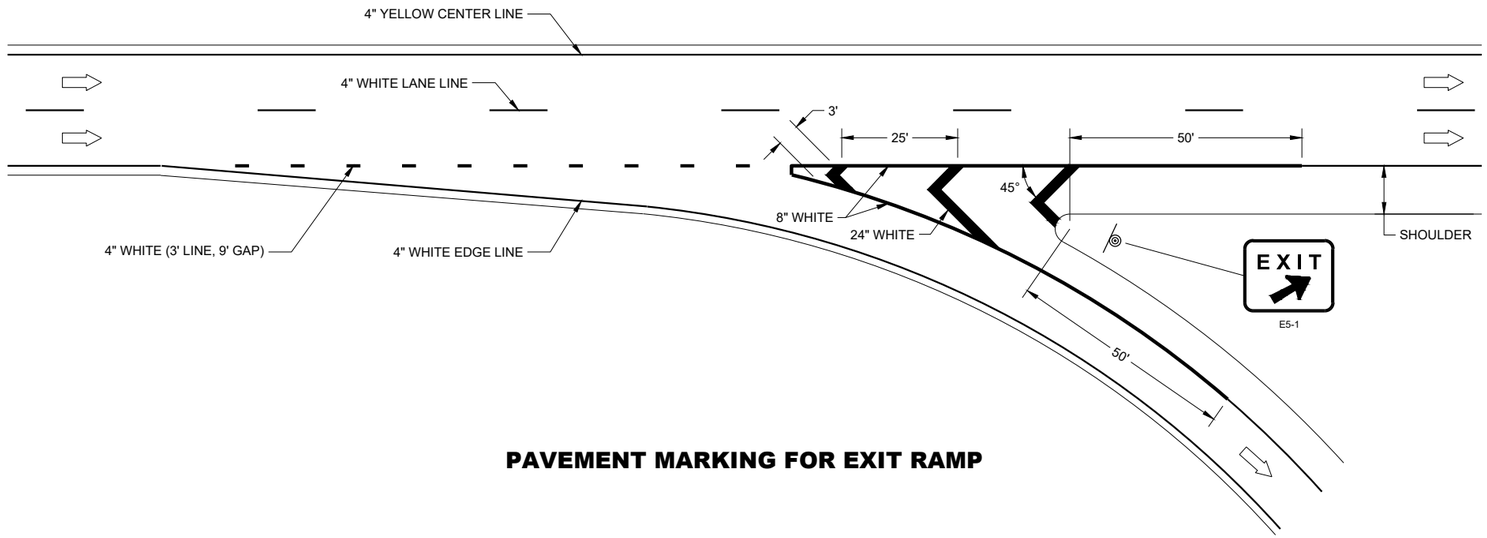
FHWA

6

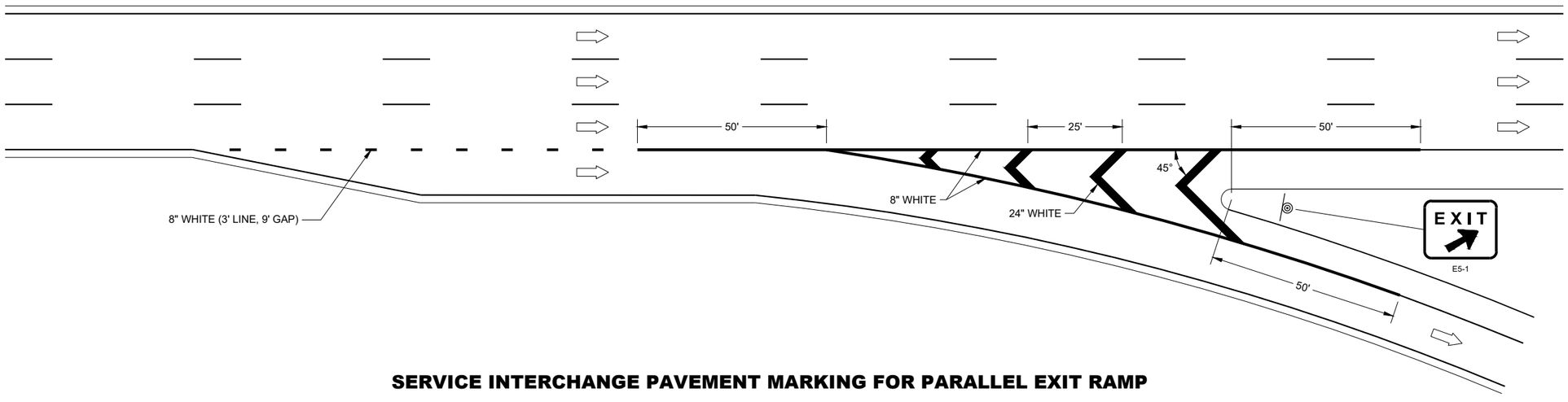
SDD 15C29 - 07a

6

SDD 15C29 - 07a



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 TRANSPORTATION

6

SDD 15C31 - 04a

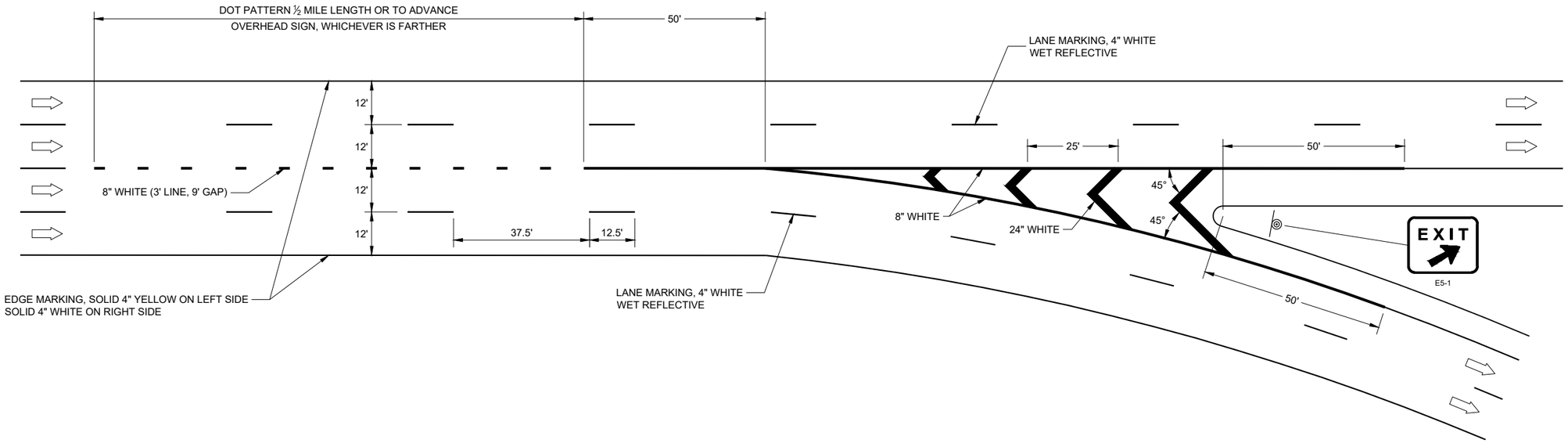
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



6

6

SDD 15C31 - 04b

SDD 15C31 - 04b

PAVEMENT MARKING, MAJOR SPLIT FREEWAY TO FREEWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

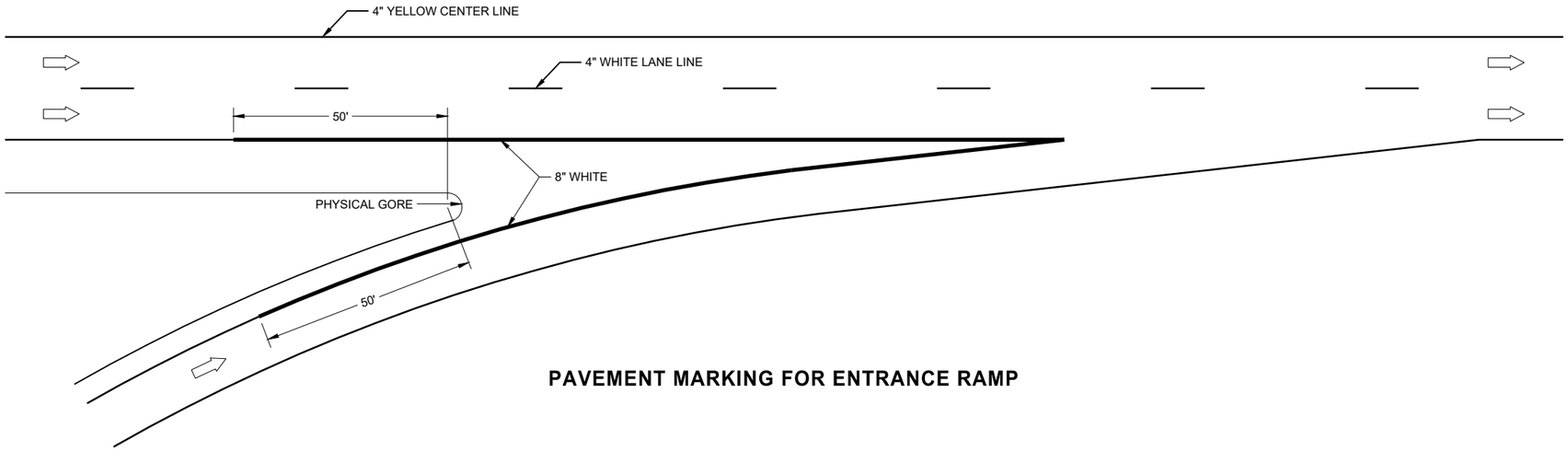
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

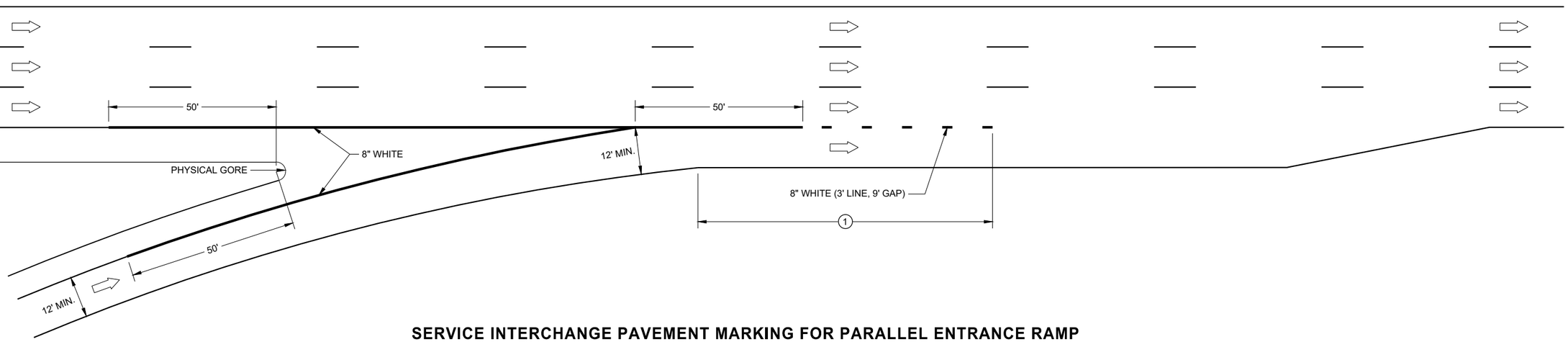
(1) ½ LENGTH OF FULL WIDTH ACCELERATION LANE.

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

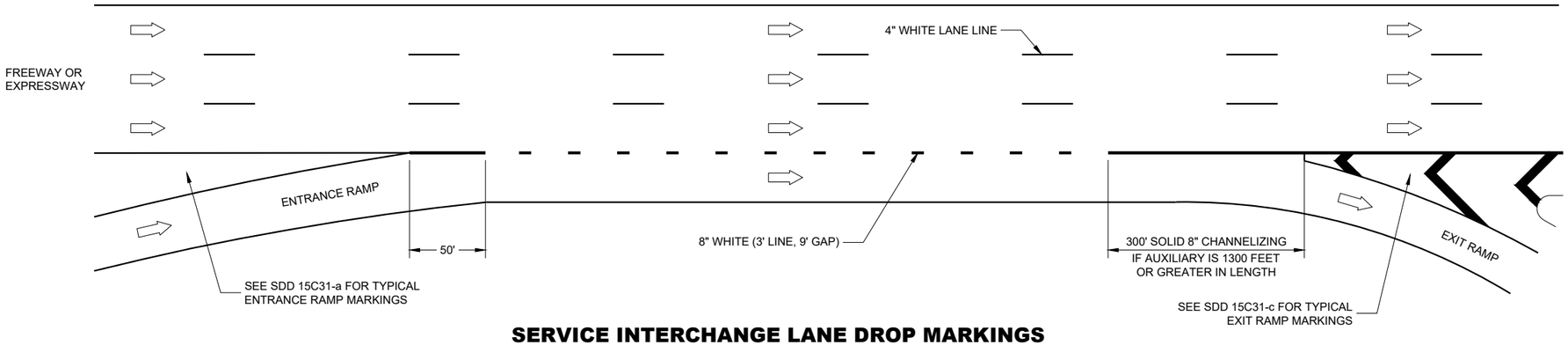
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

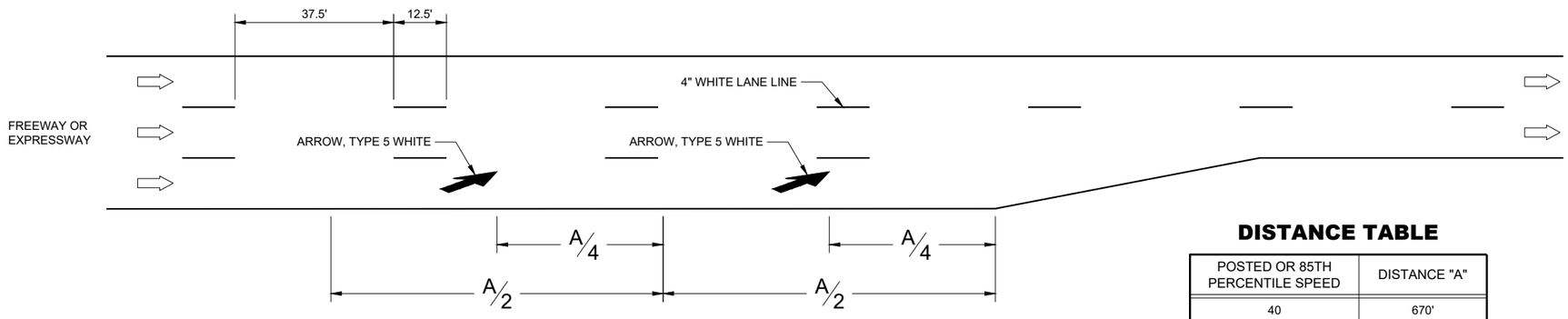
DIRECTION OF TRAVEL

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.



SERVICE INTERCHANGE LANE DROP MARKINGS



LANE REDUCTION MARKINGS

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
40	670'
45	775'
50	885'
55	990'
60	1100'
65	1200'
70	1250'

PAVEMENT MARKING, LANE DROP AND LANE REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Matthew Rauch — STATE MARKING AND SIG ENGINEER
FHWA

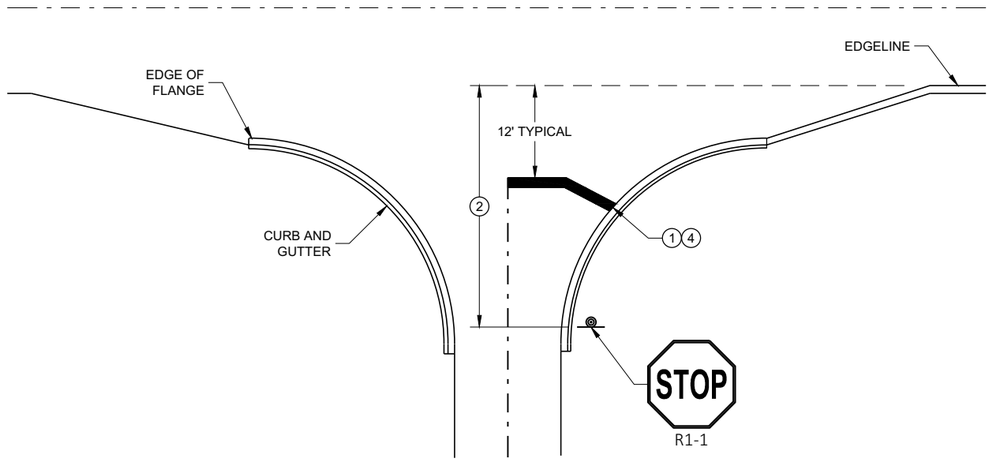
6

SDD 15C31 - 04d
SDD 15C31 - 04d

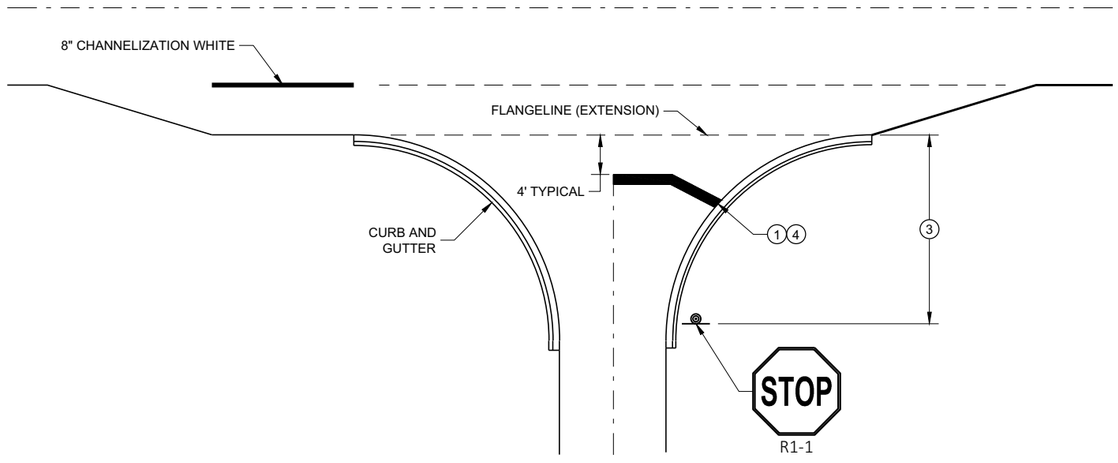
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

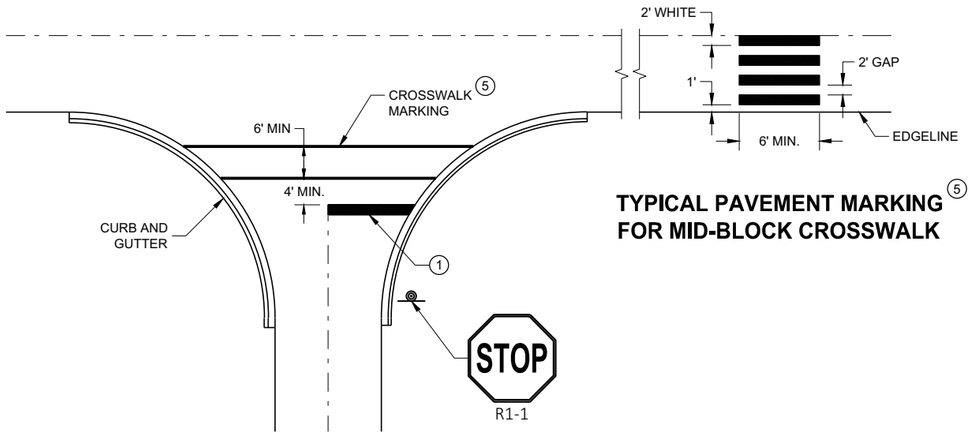
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

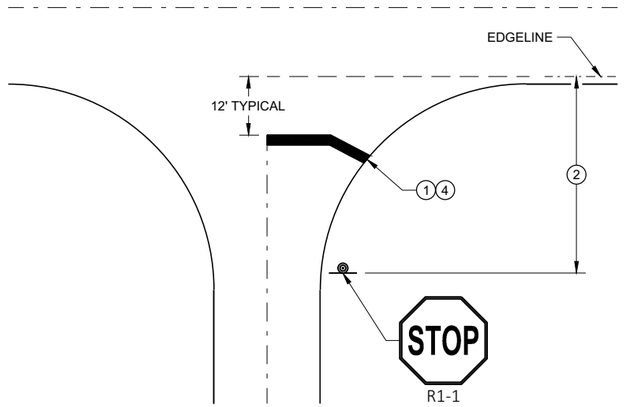


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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 MARKING ENGINEER

FHWA

6

SDD 15C33 - 04

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.

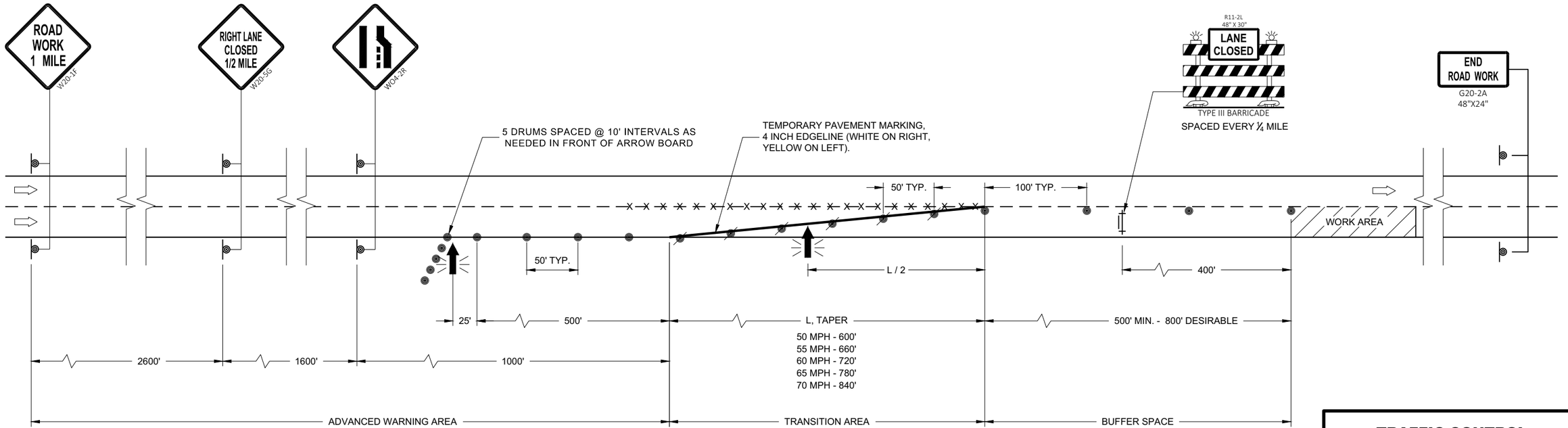
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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



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

6

SDD 15D12 - 09a

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.

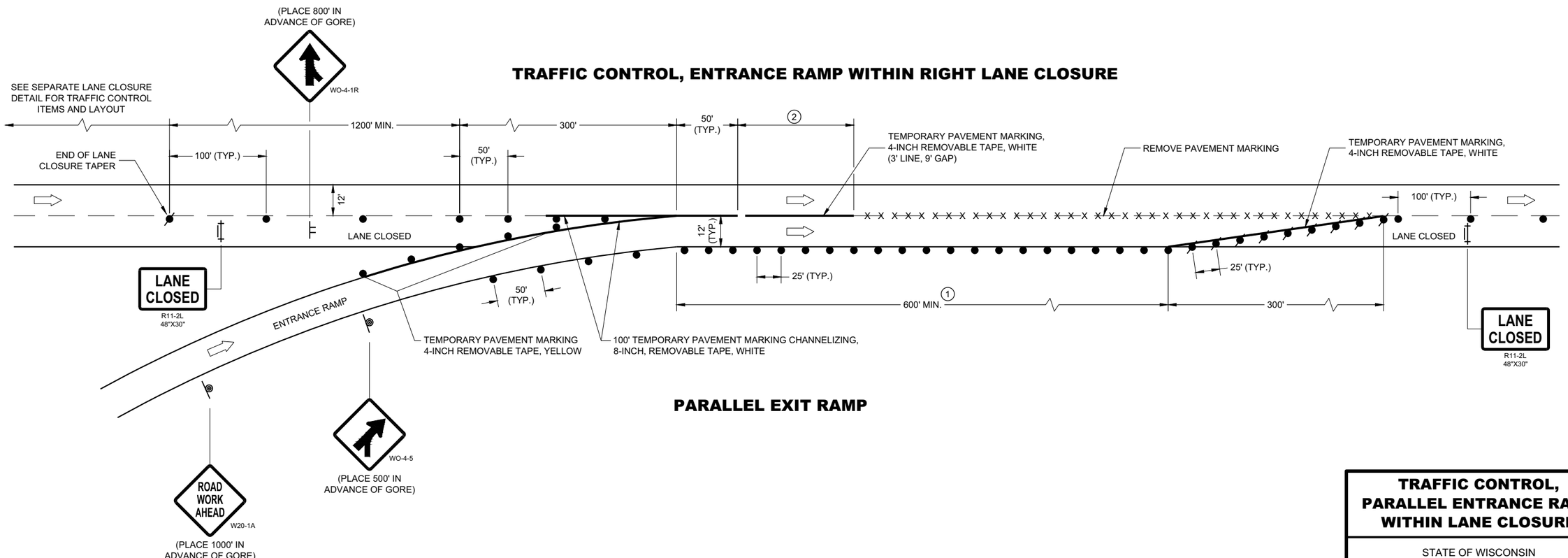
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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 478

FHWA

6

SDD 15D15 - 05a

6

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.

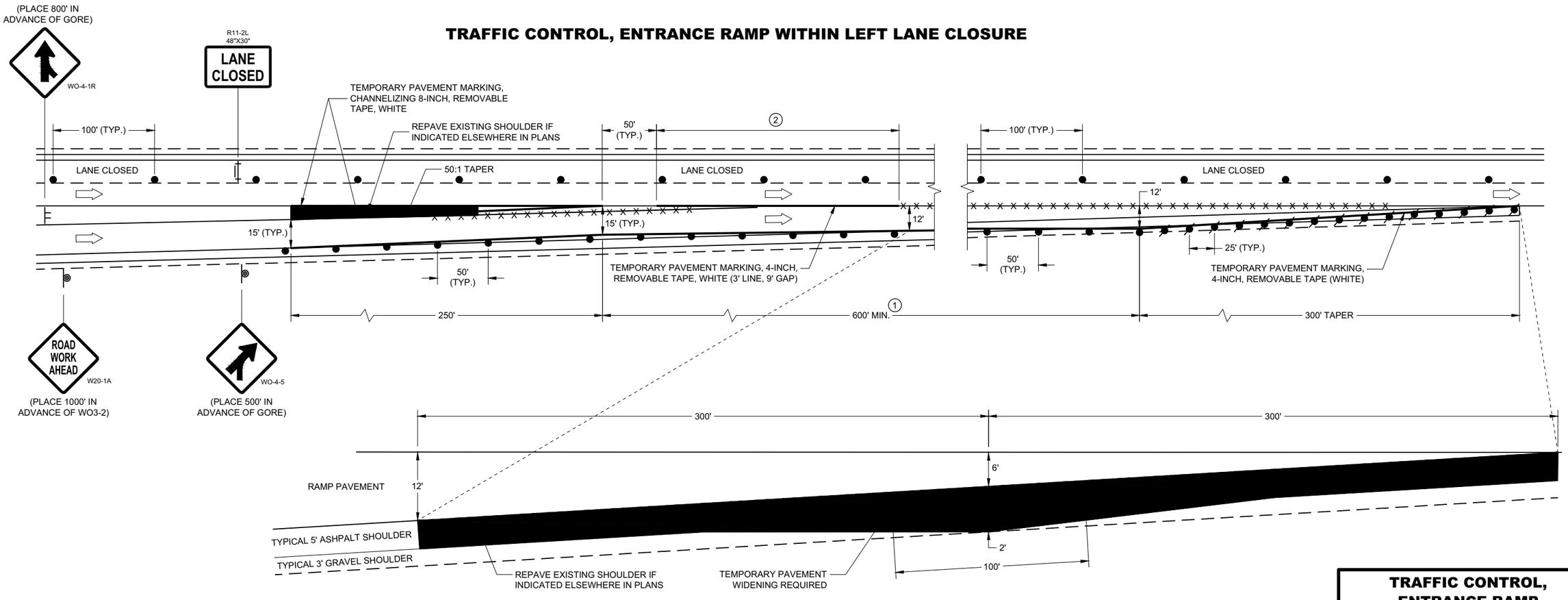
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

FHWA

6

SDD 15D15 - 05b

6

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.

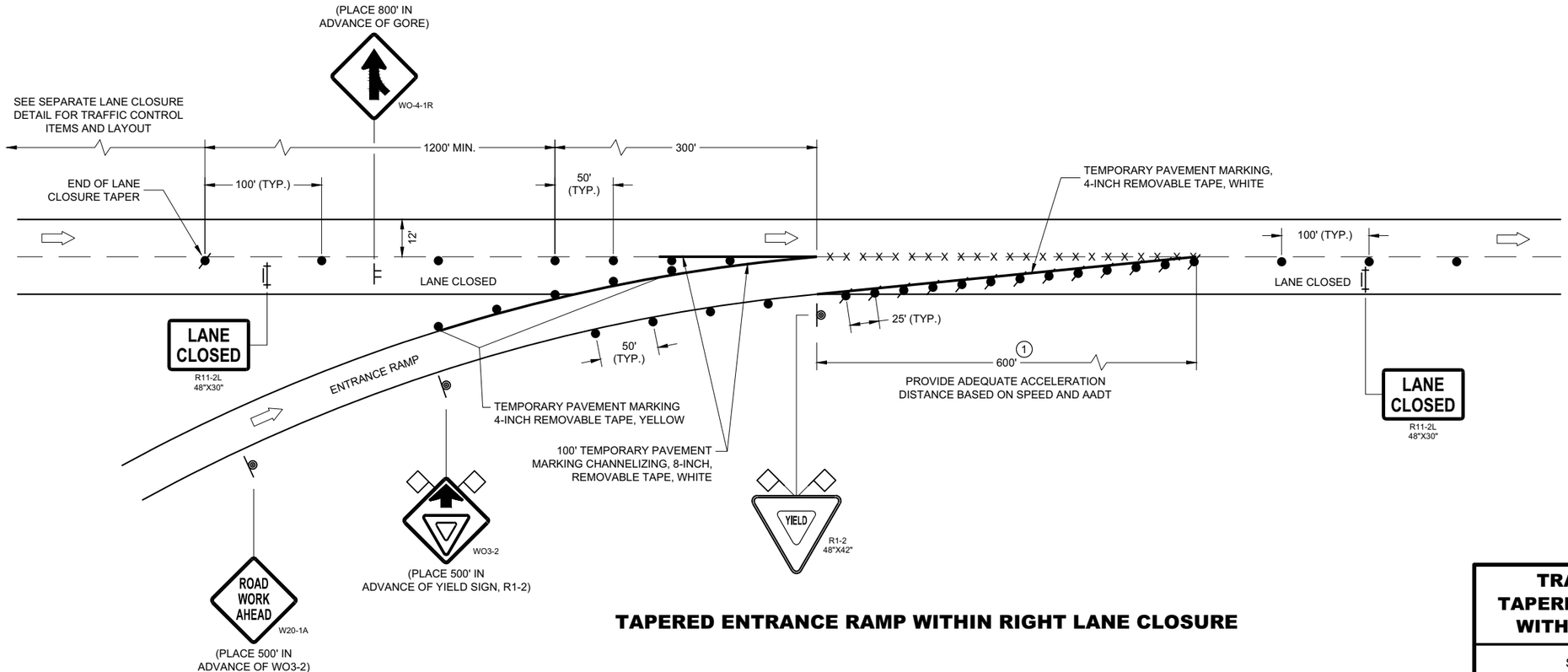
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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 480

FHWA

6

SDD 15D15 - 05c

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.

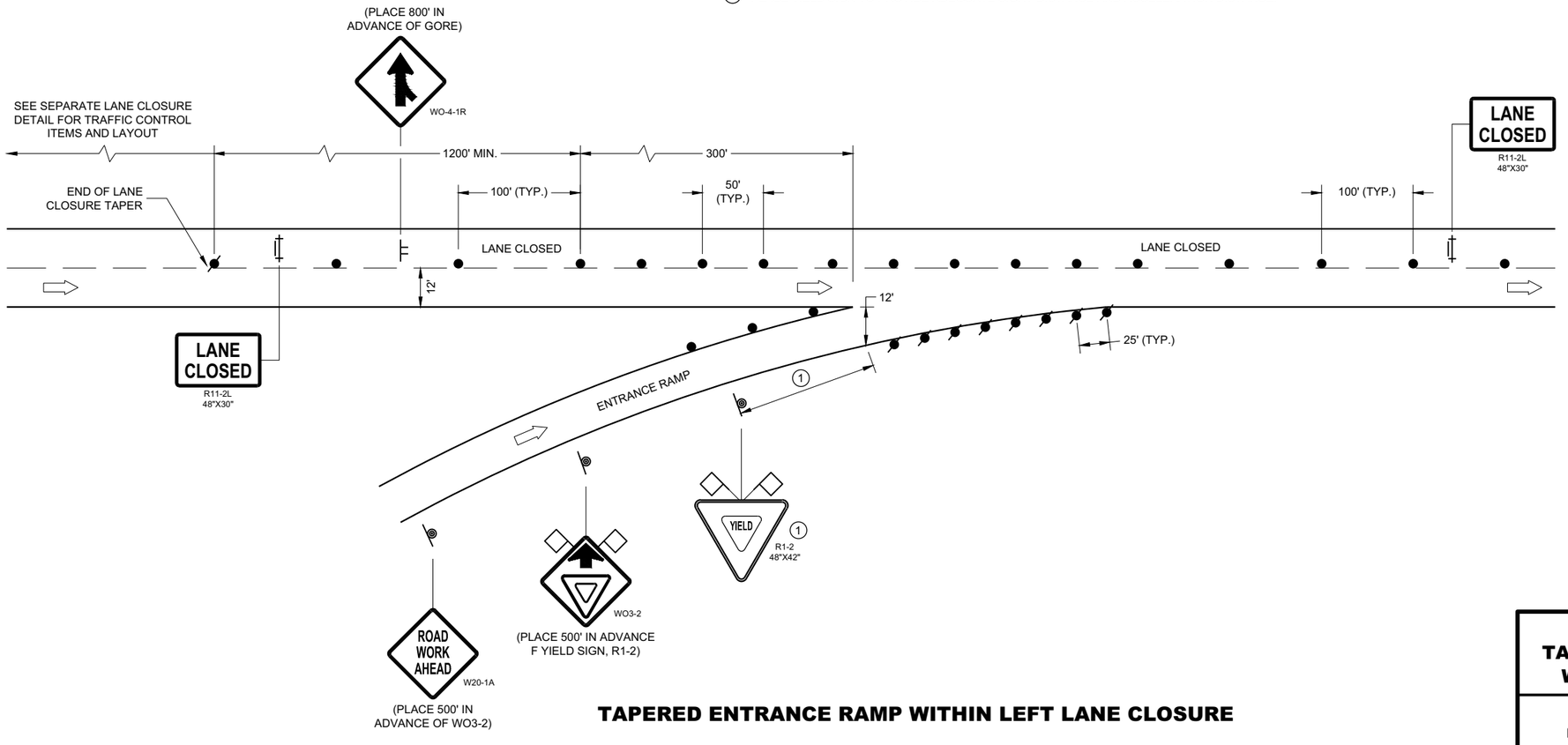
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

481

6

SDD 15D15 - 05d

6

SDD15D15 - 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.

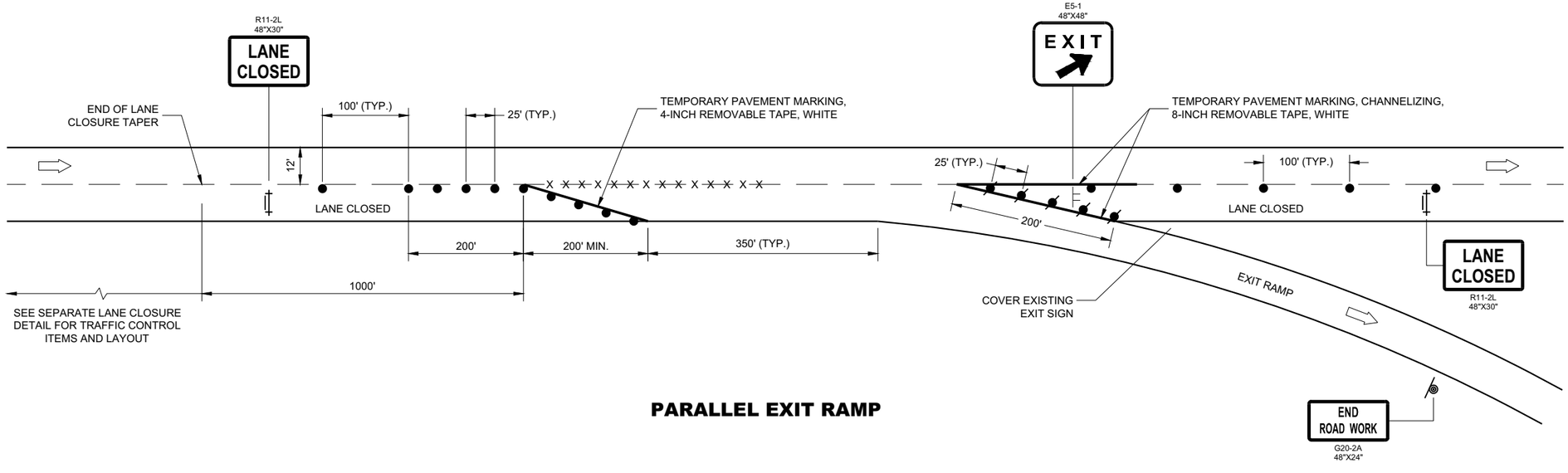
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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.

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.

PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROP OFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12 - HOUR DURATION.

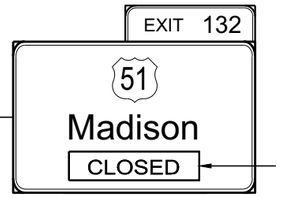
* W20 - 1A AND G20 - 2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

** PLACE "RAMP CLOSED BEGINNING" SIGN OR PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



G20 - 60
108" X 24"

OR



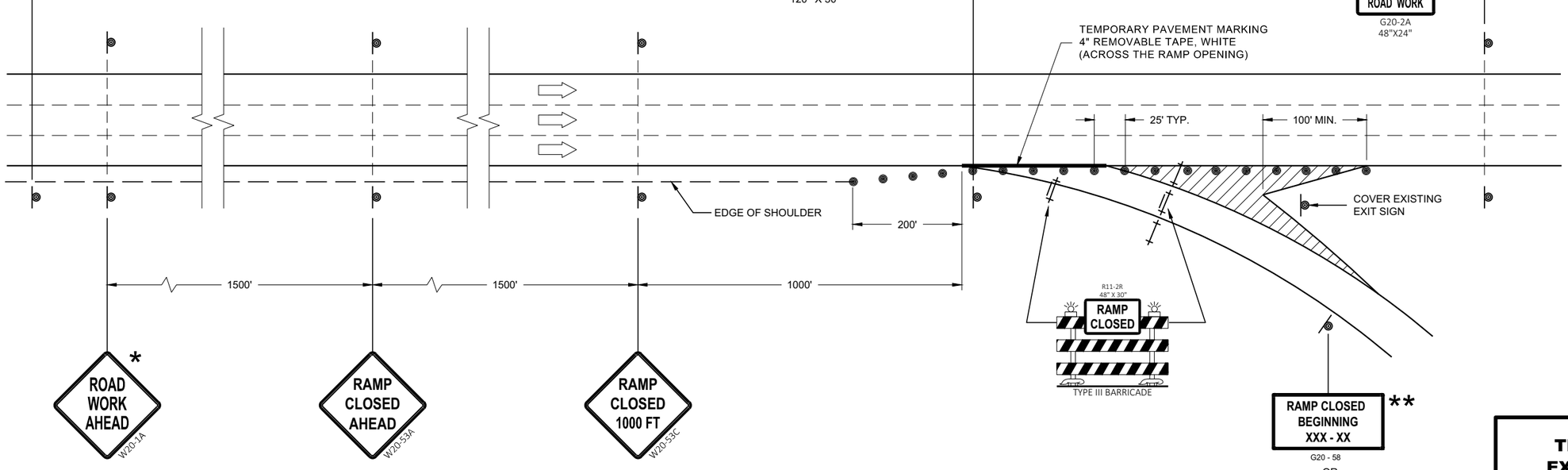
G20 - 60
108" X 24"

PLACE SIGN G20 - 60 OVER MILEAGE ON EXISTING E1 - 1A SIGN



COVER ARROW ON EXISTING E4 - 1 SIGN (COVERING SIGNS TYPE I)

G20 - 61
120 ' X 30"



OR

PCMS MESSAGING

FRAME 1	FRAME 2
RAMP TO CLOSE	XXXDAY XX XX XX

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 15D16 - 04

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.

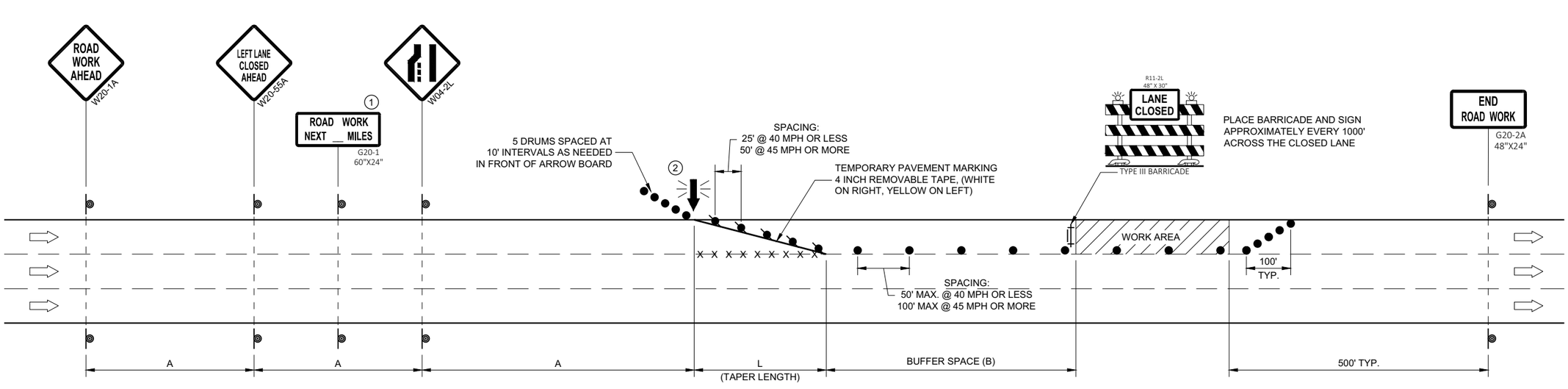
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

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.

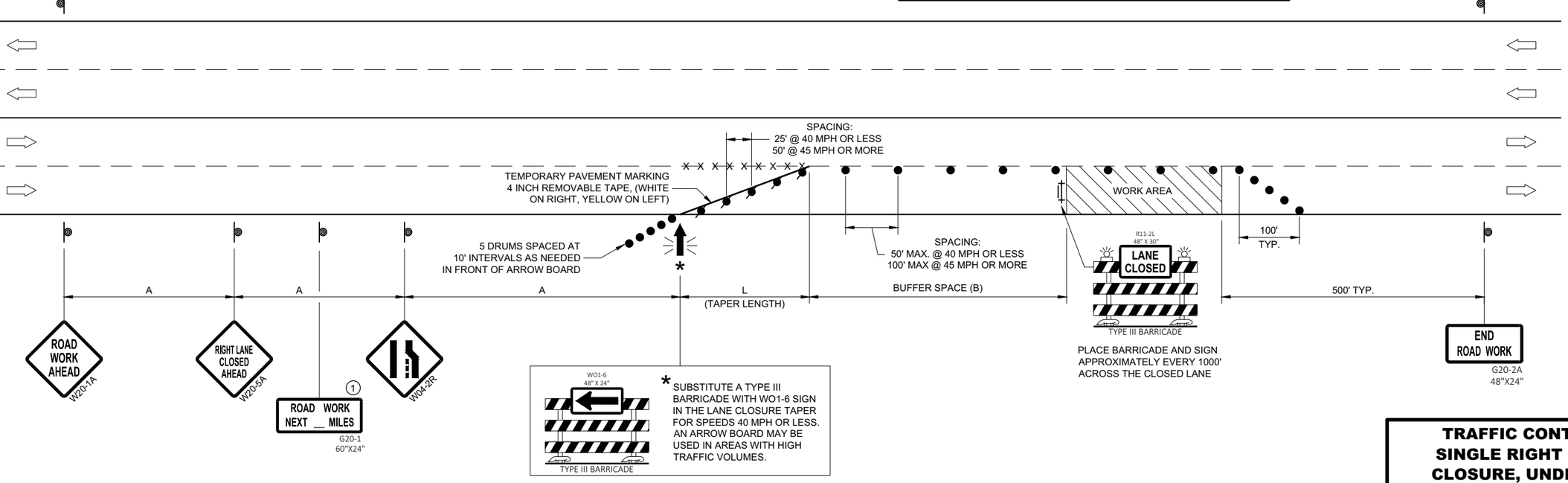
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

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'
50	500'	600'	280'
55	500'	660'	335'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A



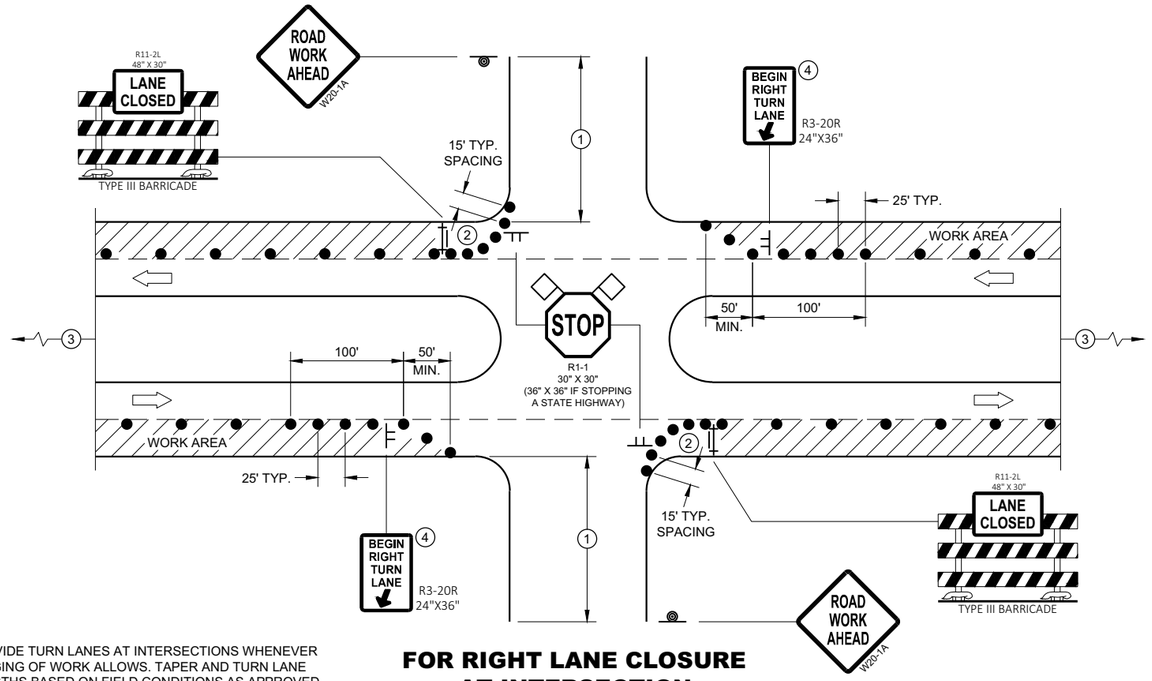
TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

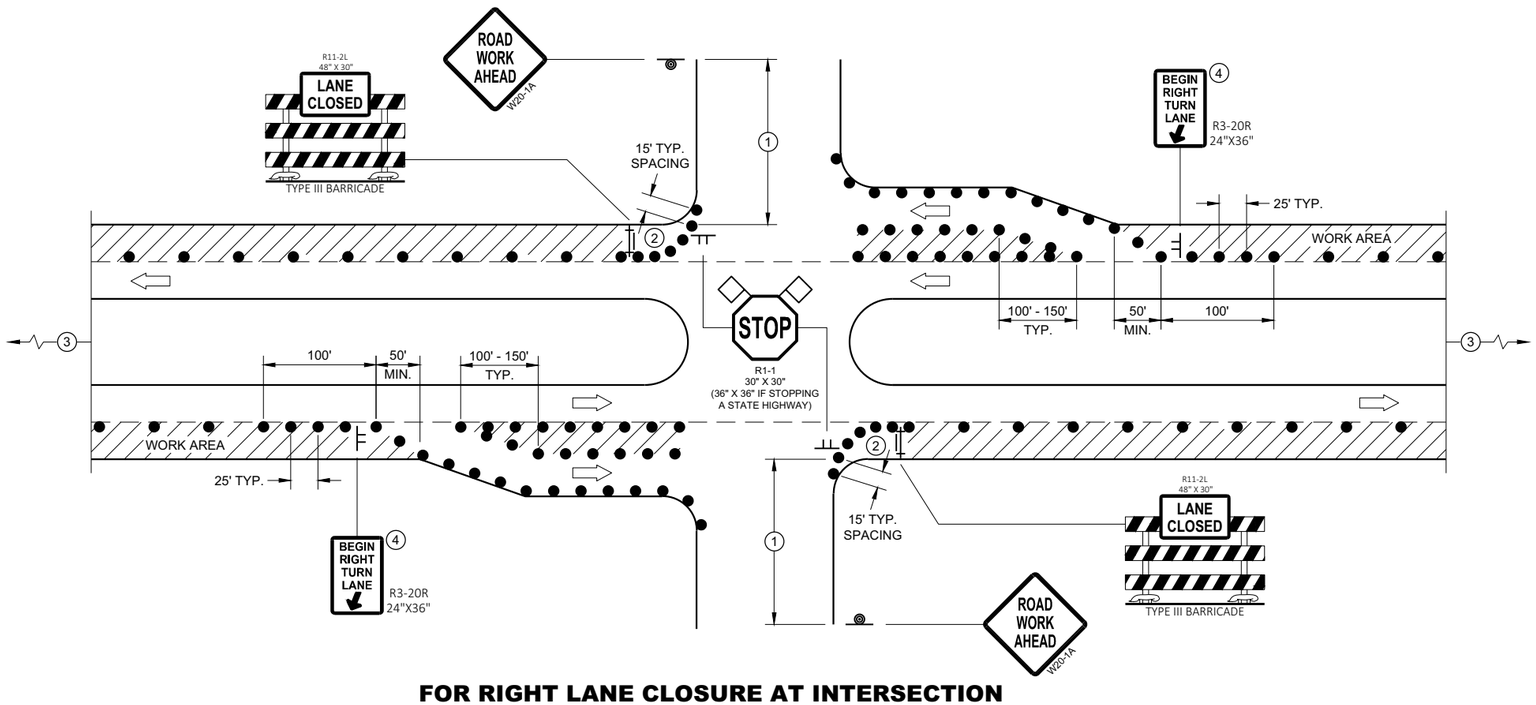
SDD 15D20 - 05b

SDD 15D20 - 05b



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



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

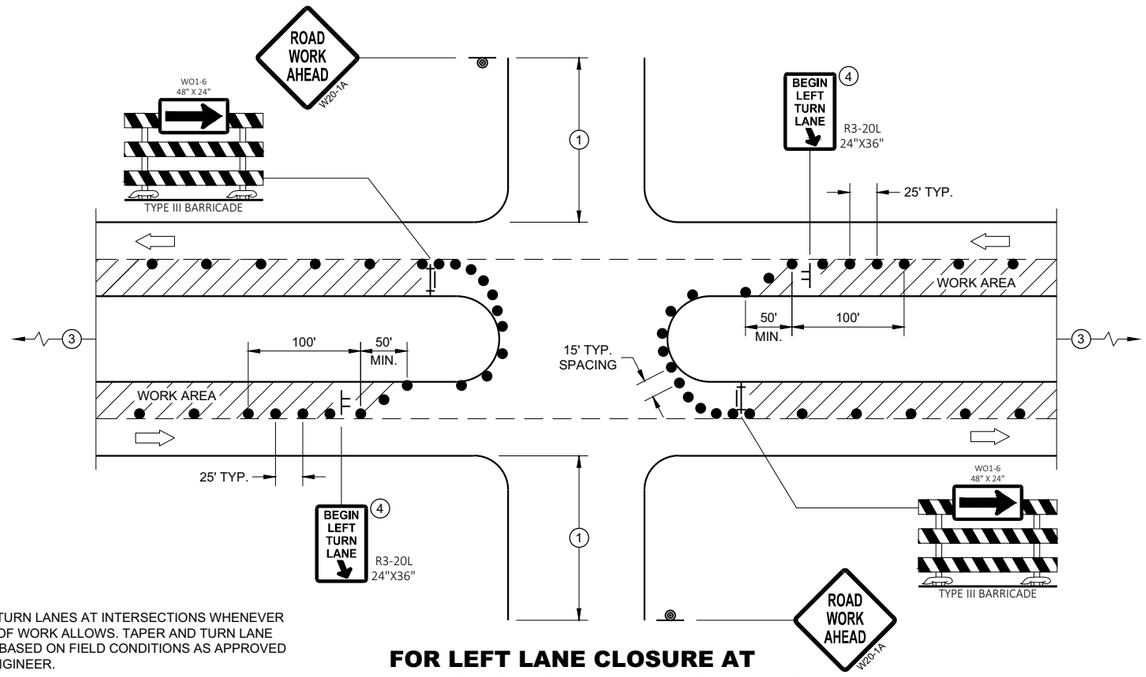
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

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.

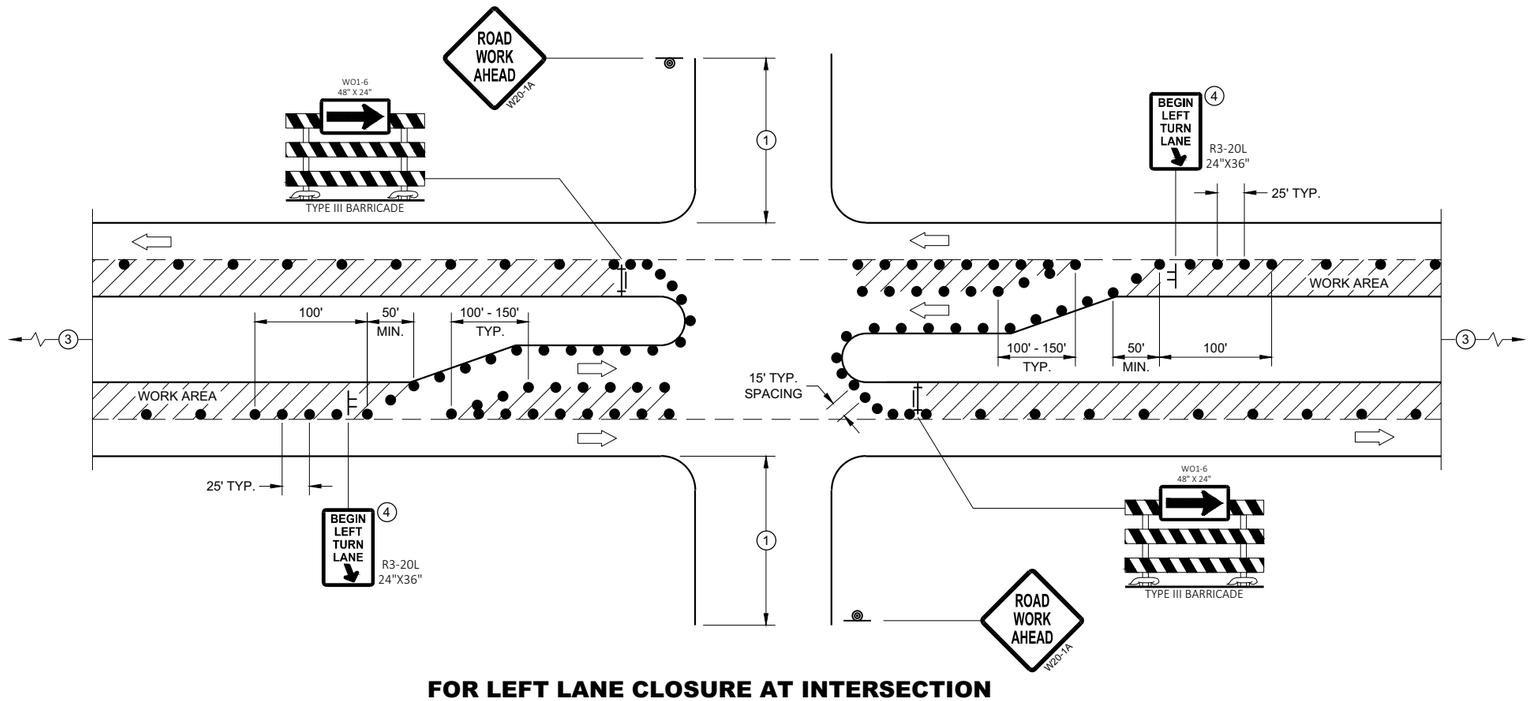
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(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.

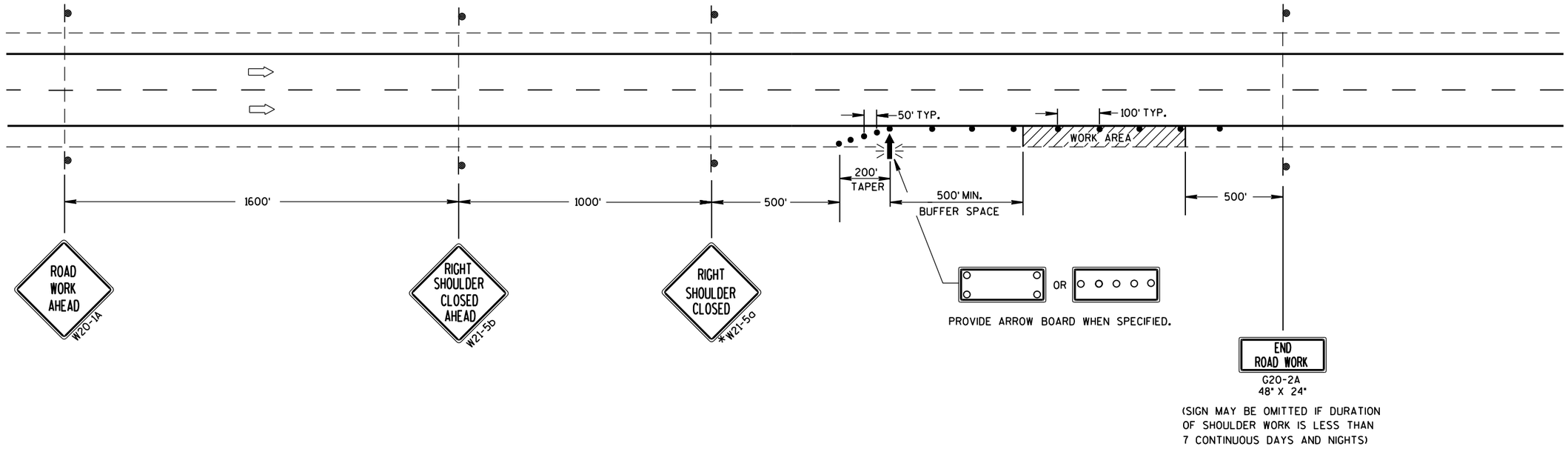
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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] SAFETY ENGI[illegible]

FHWA

6

S.D.D. 15 D 27-3

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

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 THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

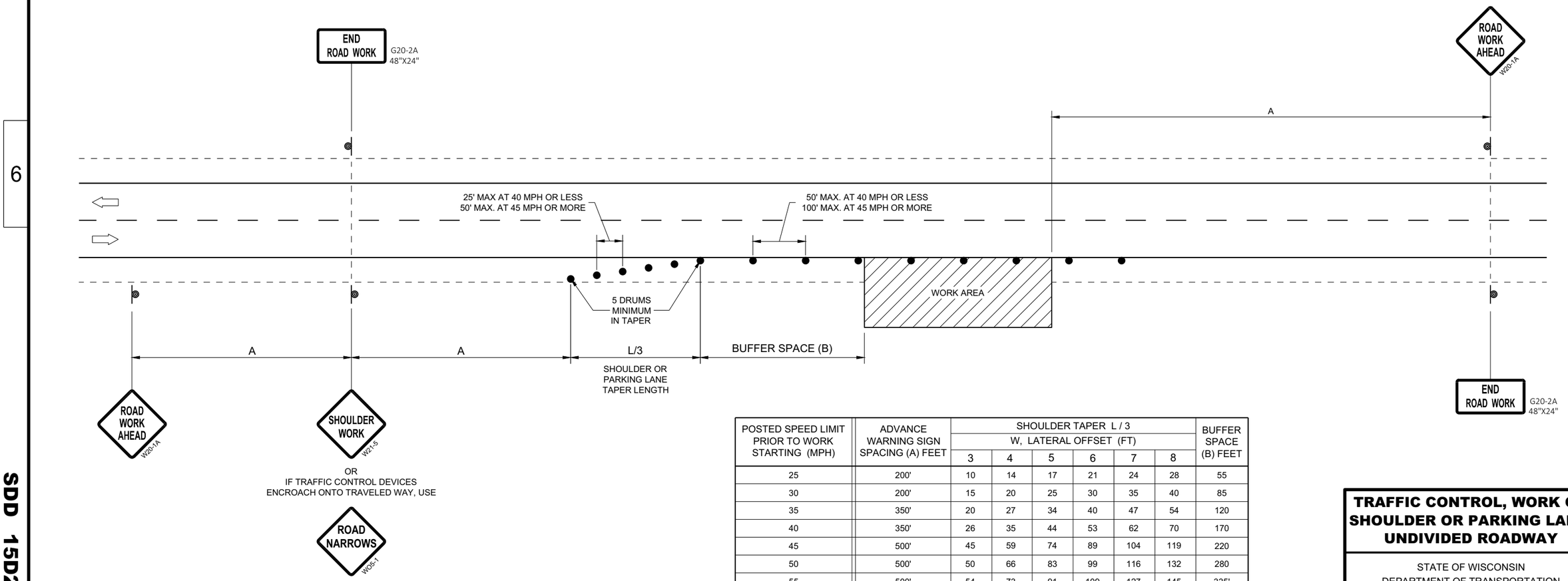
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

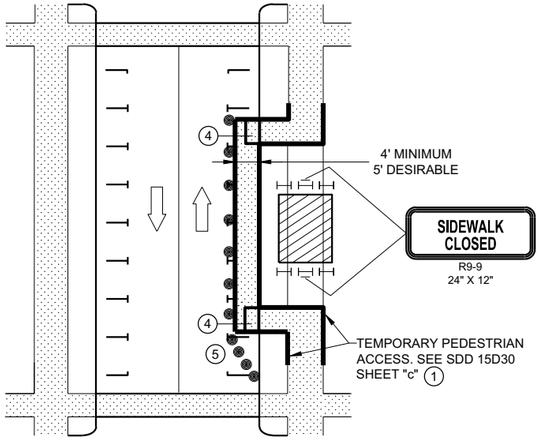
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

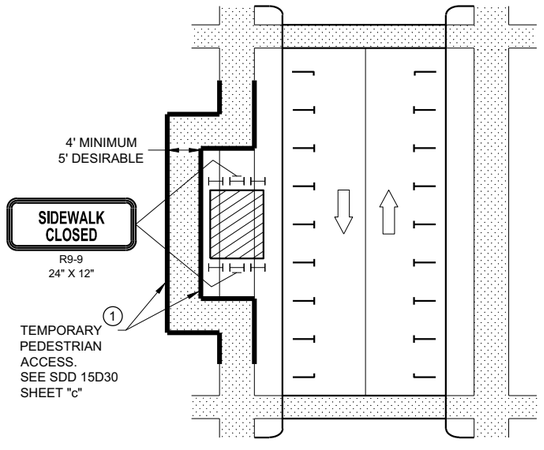
SDD 15D28 - 04

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

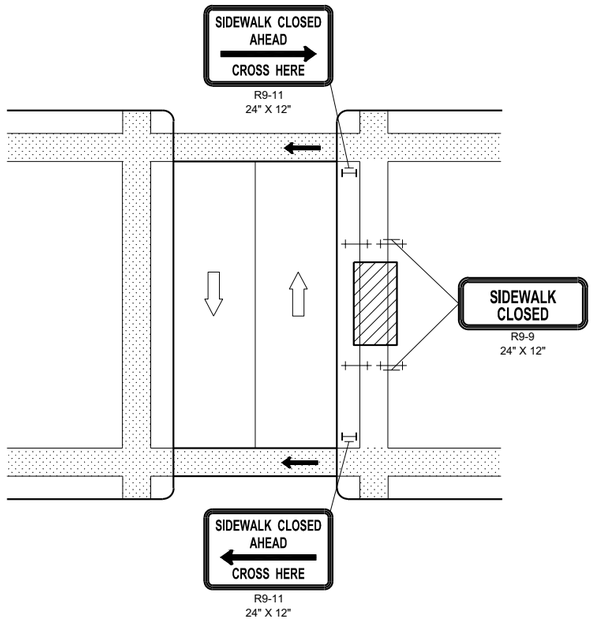


MID-BLOCK SIDEWALK SIDEWALK CLOSURE IN PARKING LANE

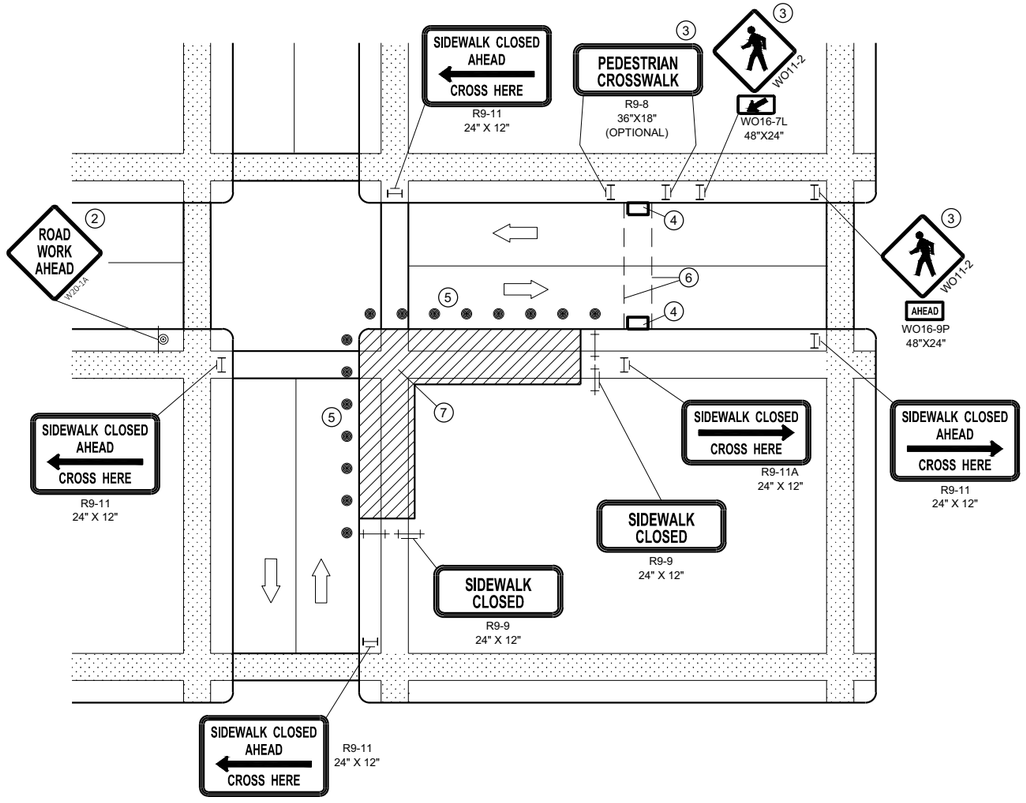
NOTE: LAYOUT SAME AS ABOVE.



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

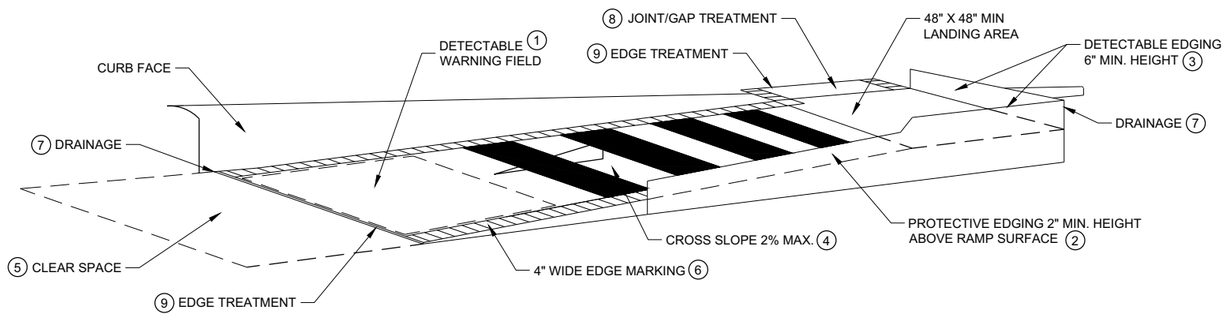
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

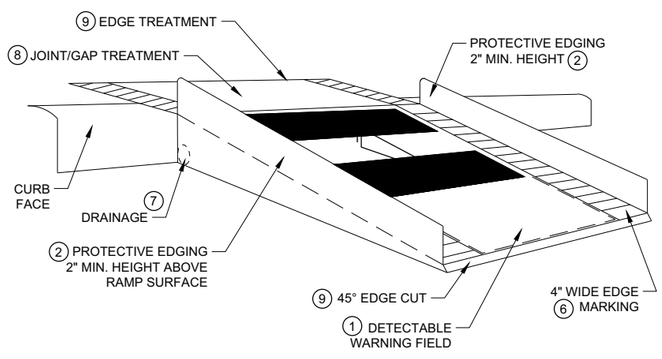
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

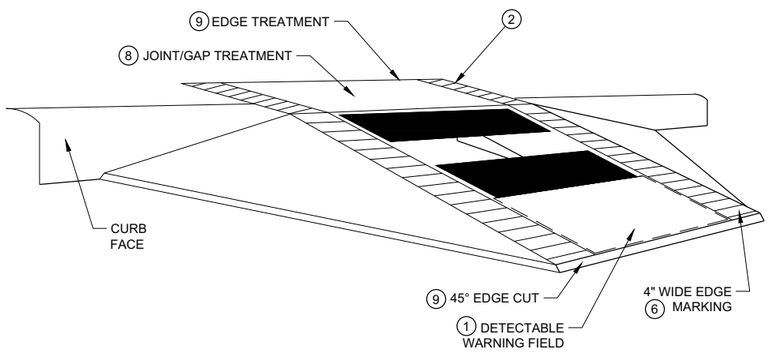
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

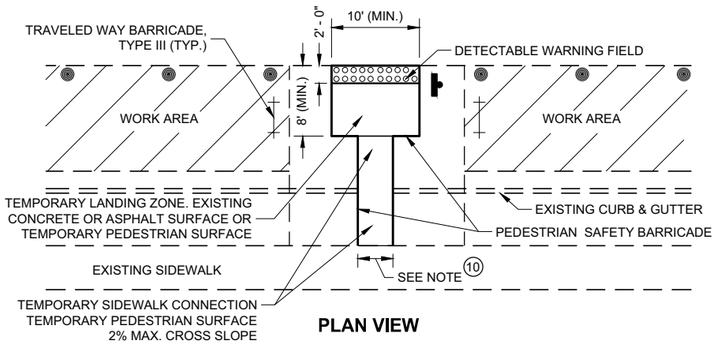
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

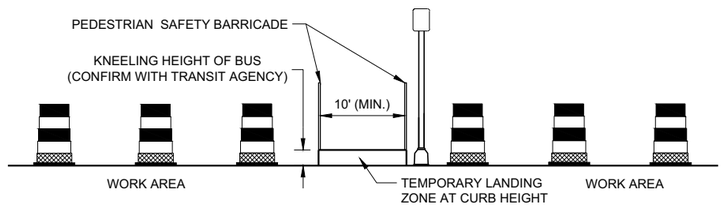
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

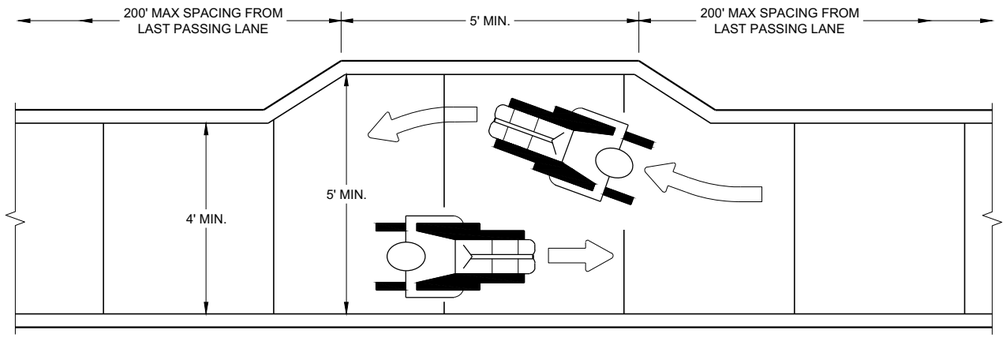
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

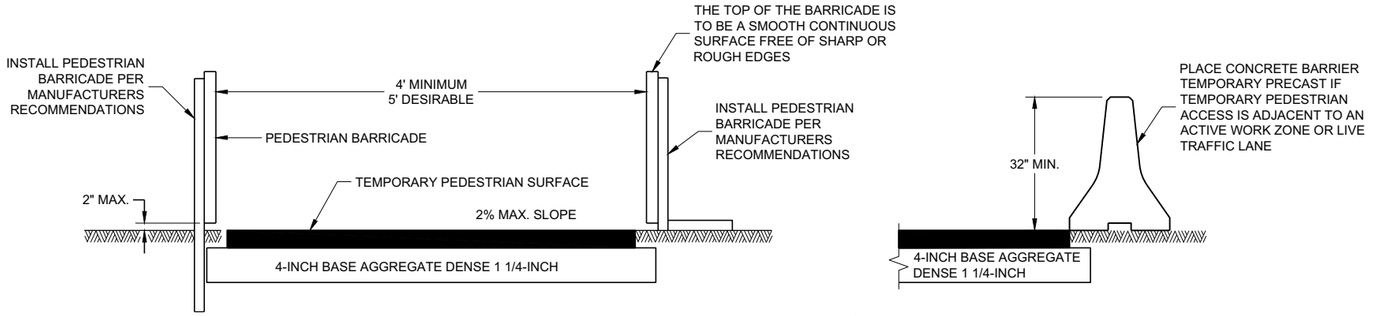
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

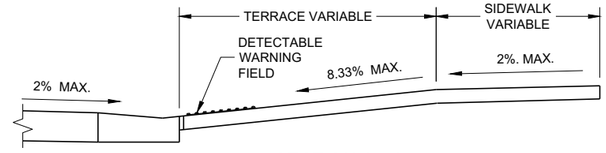
SDD 15D30 - 06b



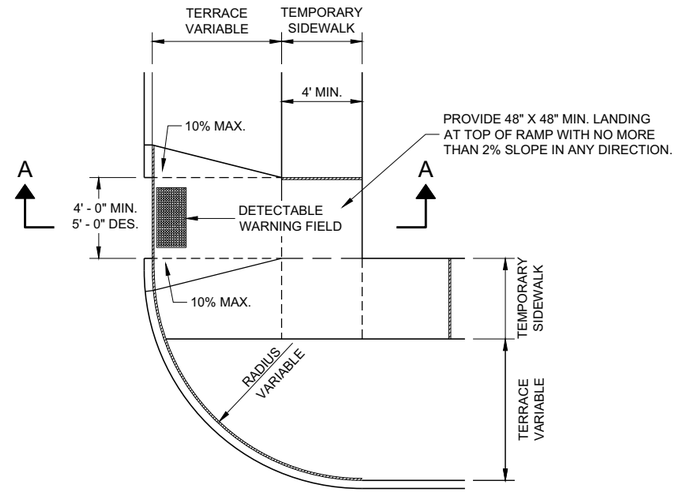
NARROW SIDEWALK PASSING DETAIL



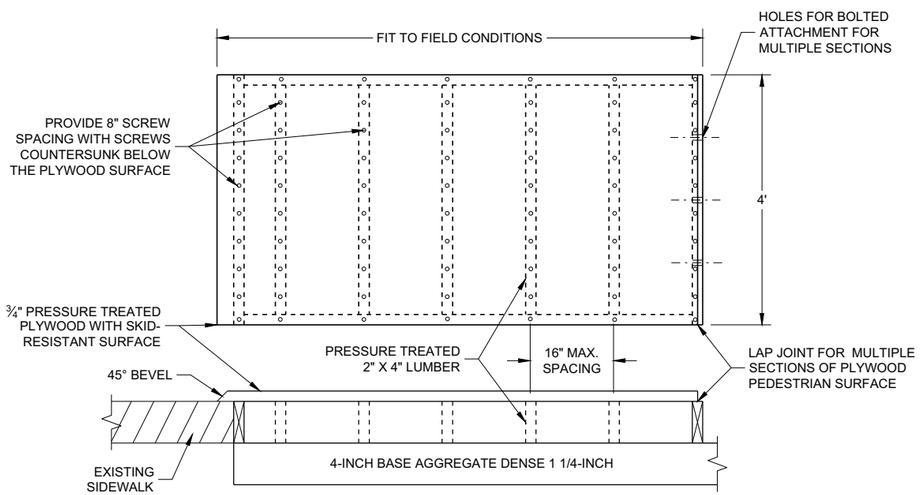
TEMPORARY PEDESTRIAN ACCESS



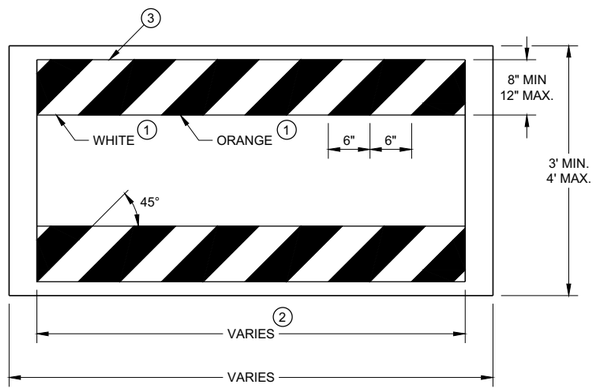
SECTION A - A



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

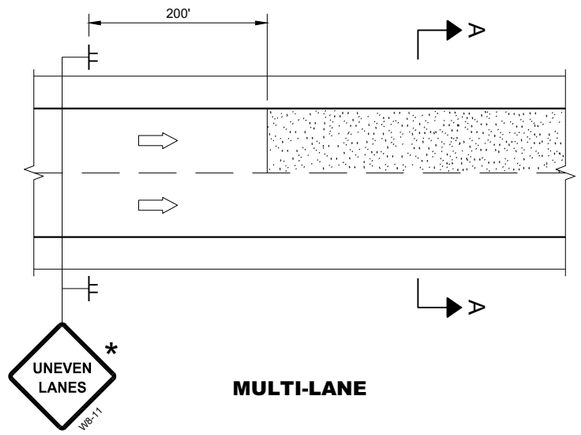
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

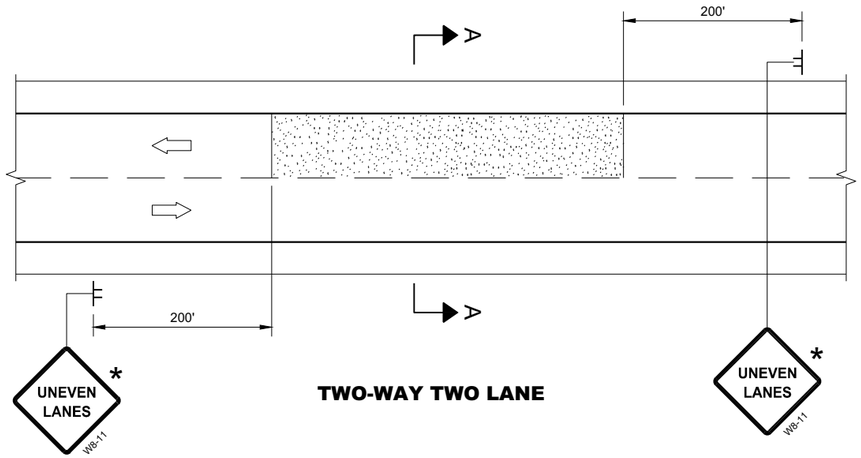
SDD 15D30 - 06c

6

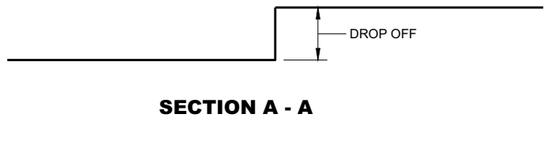
SDD 15D30 - 06c



MULTI-LANE

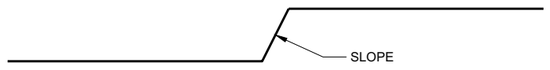


TWO-WAY TWO LANE

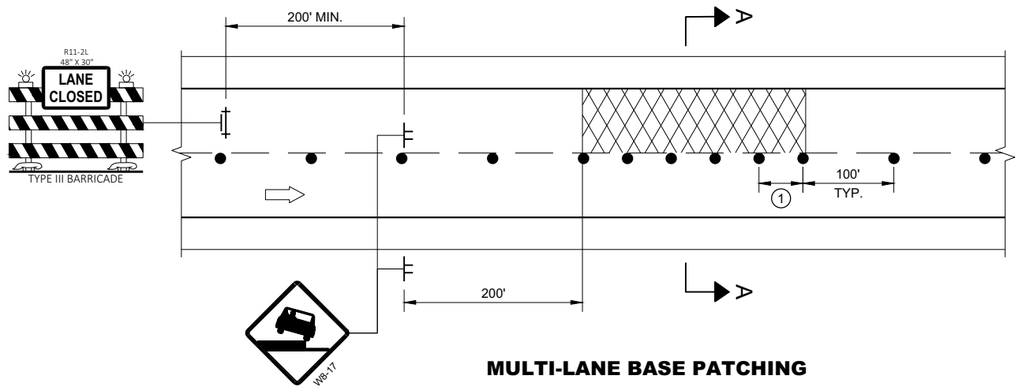


SECTION A - A

OR

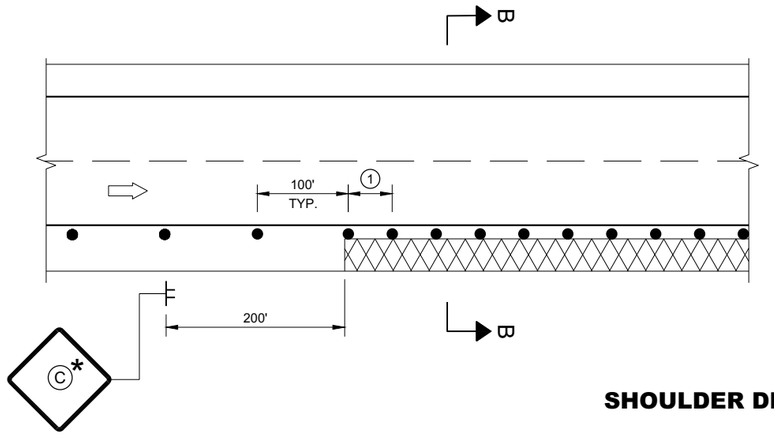


SECTION A - A

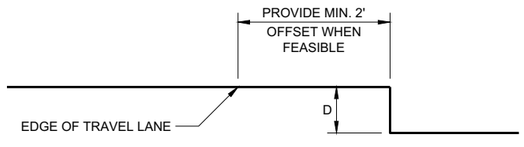


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



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

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

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

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.

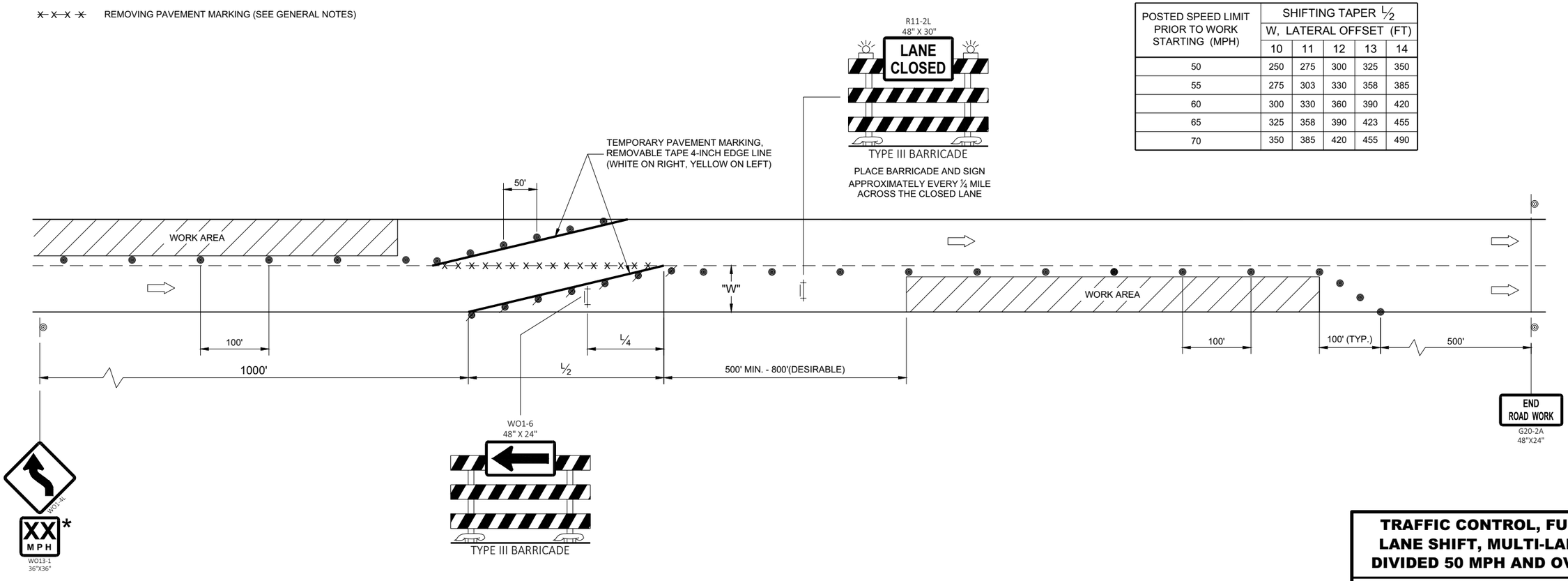
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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 L/2 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.

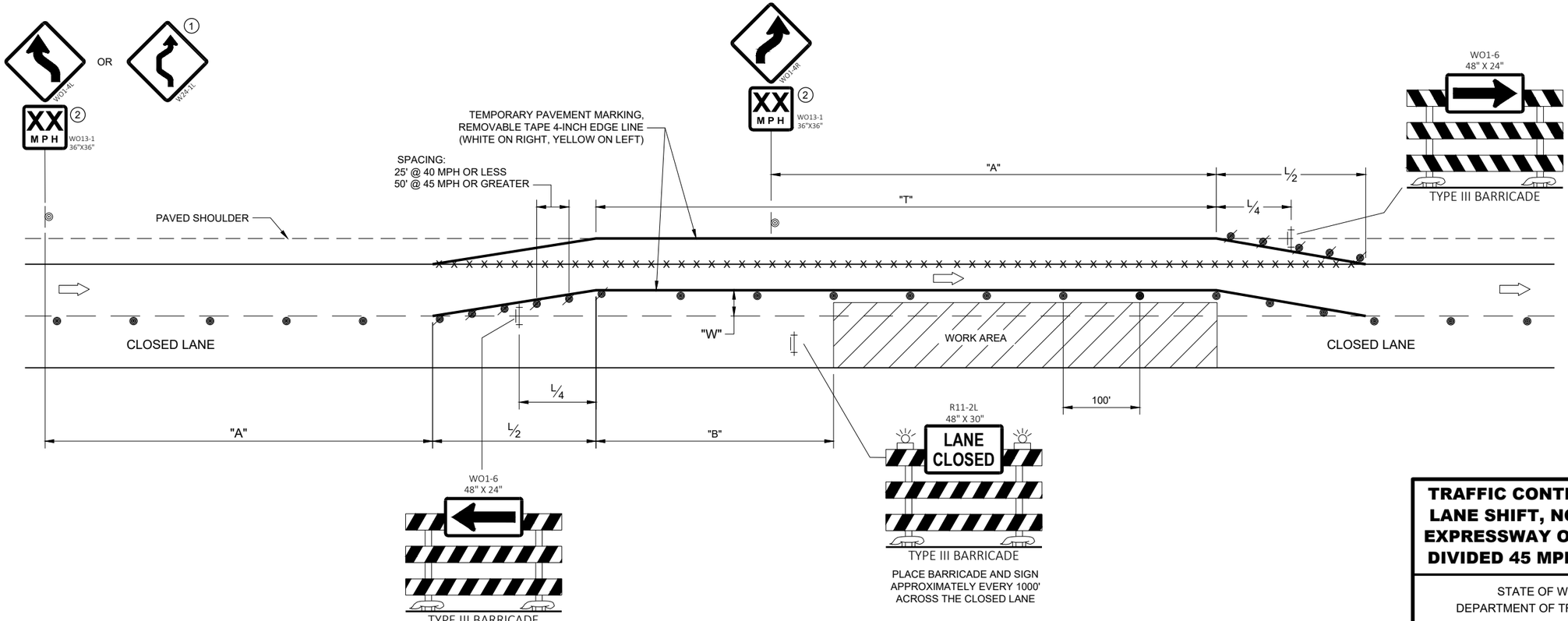
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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.

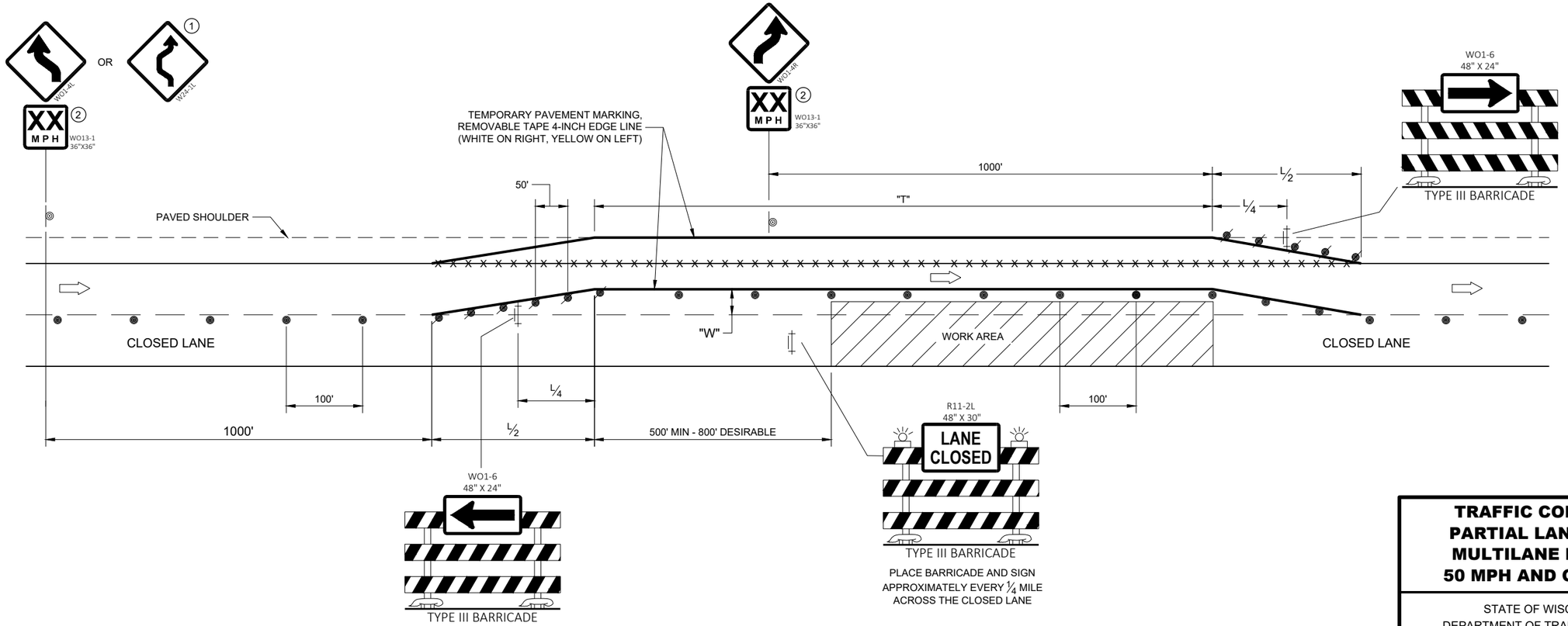
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

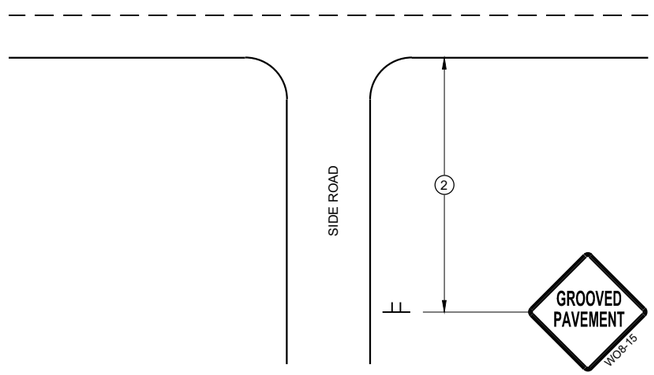
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

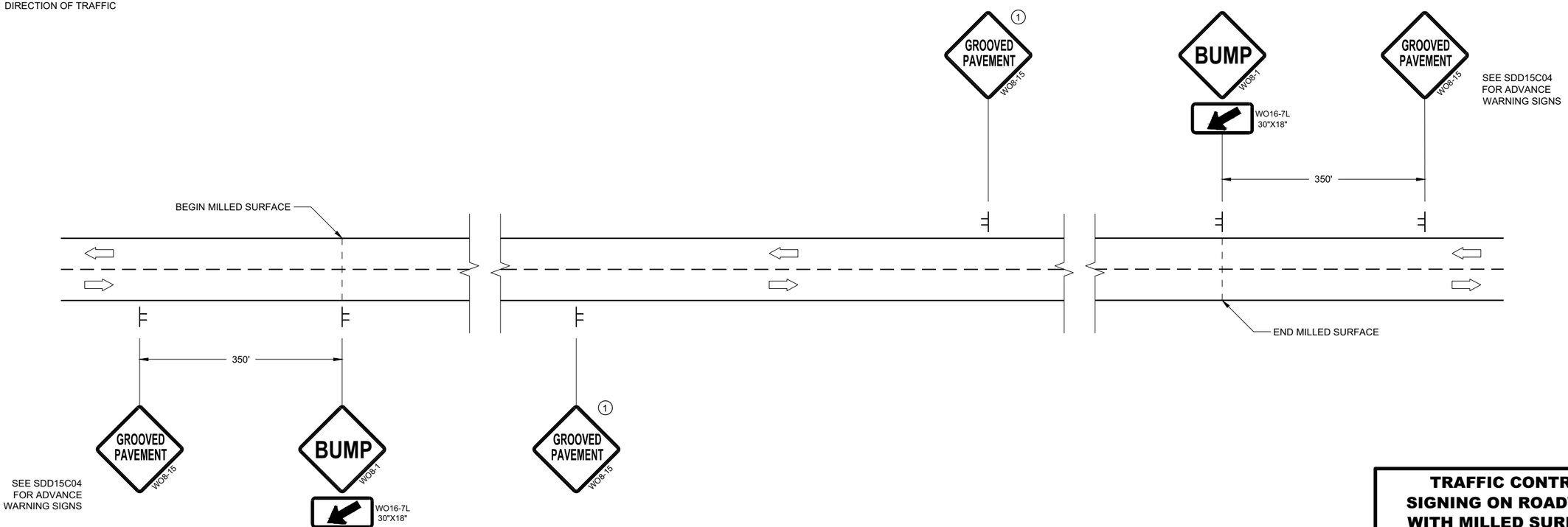
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15D44 - 02

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.

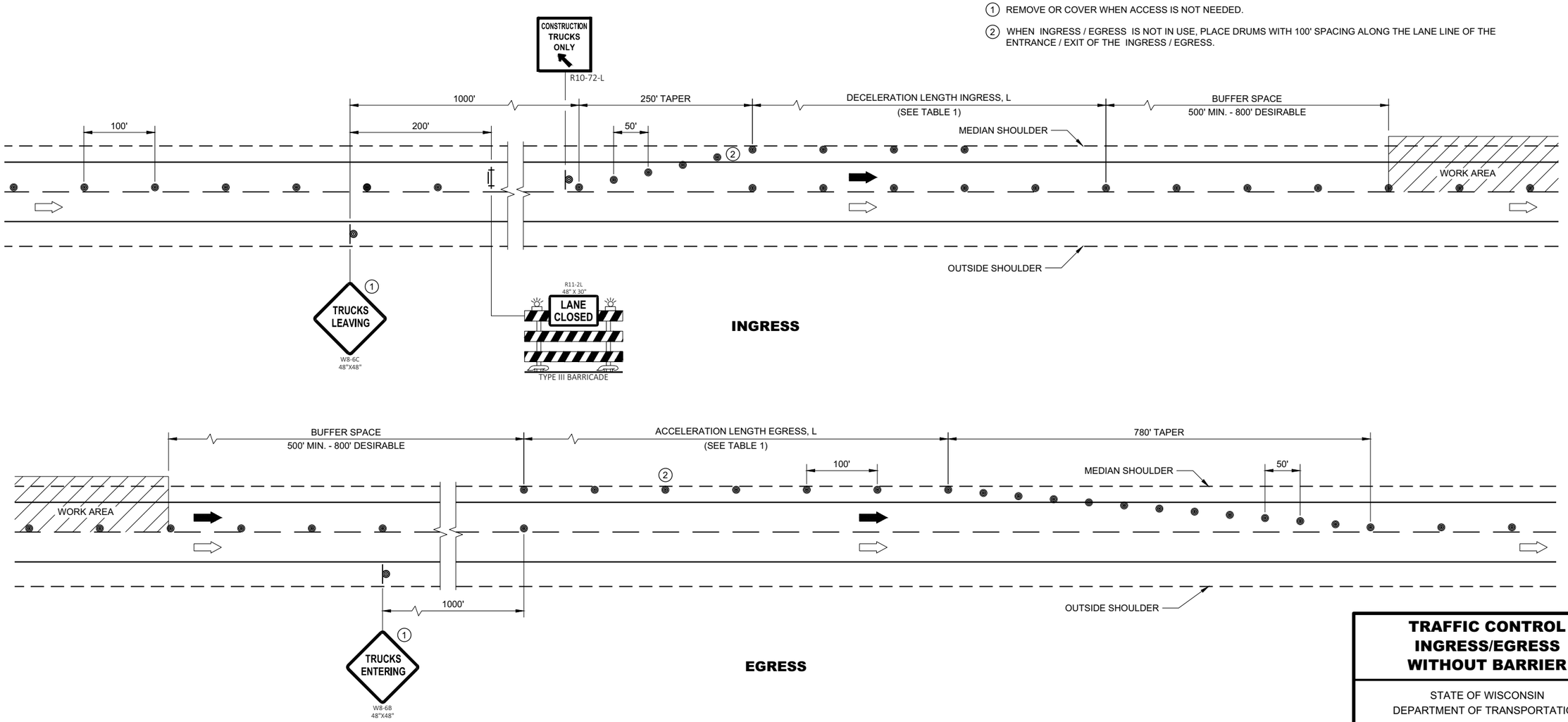
THIS ACCESS DETAIL IS TYPICAL FOR LEFT LANE ACCESS, FOR RIGHT LANE ACCESS, REVERSE THE TRAFFIC CONTROL

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

6

SDD 15D47 - 01b

6

SDD 15D47 - 01b

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

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.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

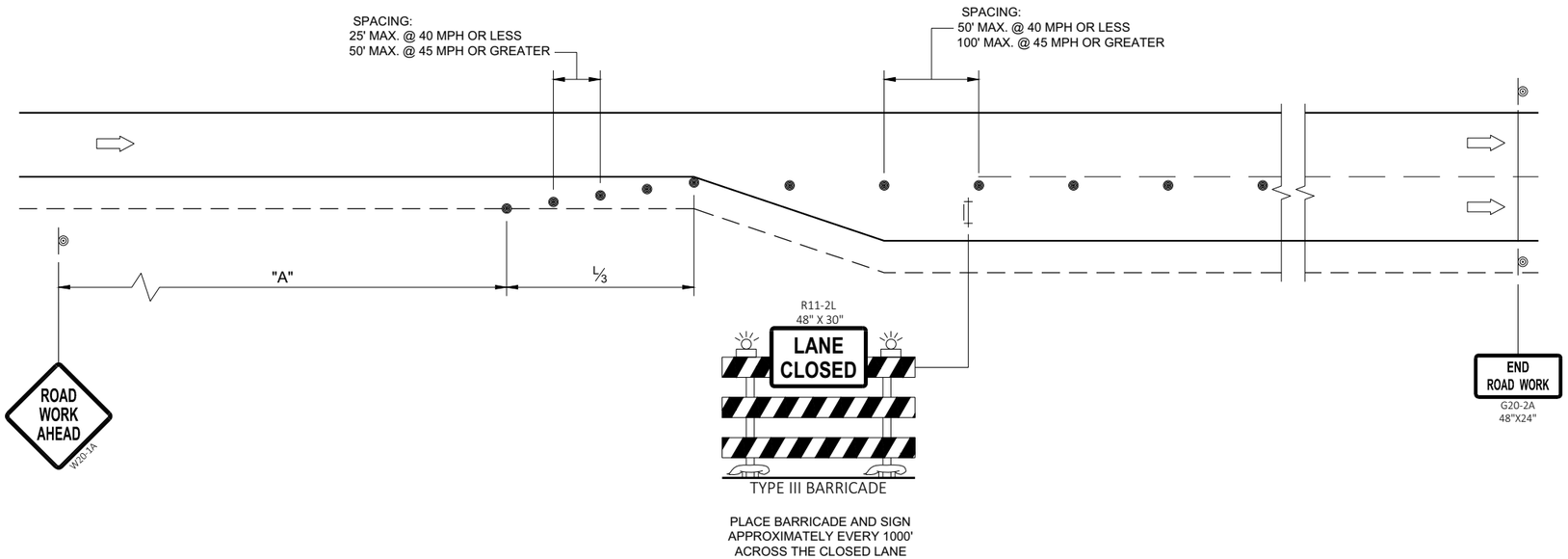
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.



PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE

ADDED LANE CLOSURE WITHOUT LANE SHIFT

TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

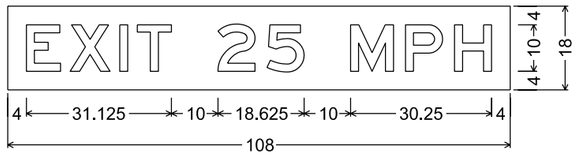
APPROVED
February 2021
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15D50 - 01a

6

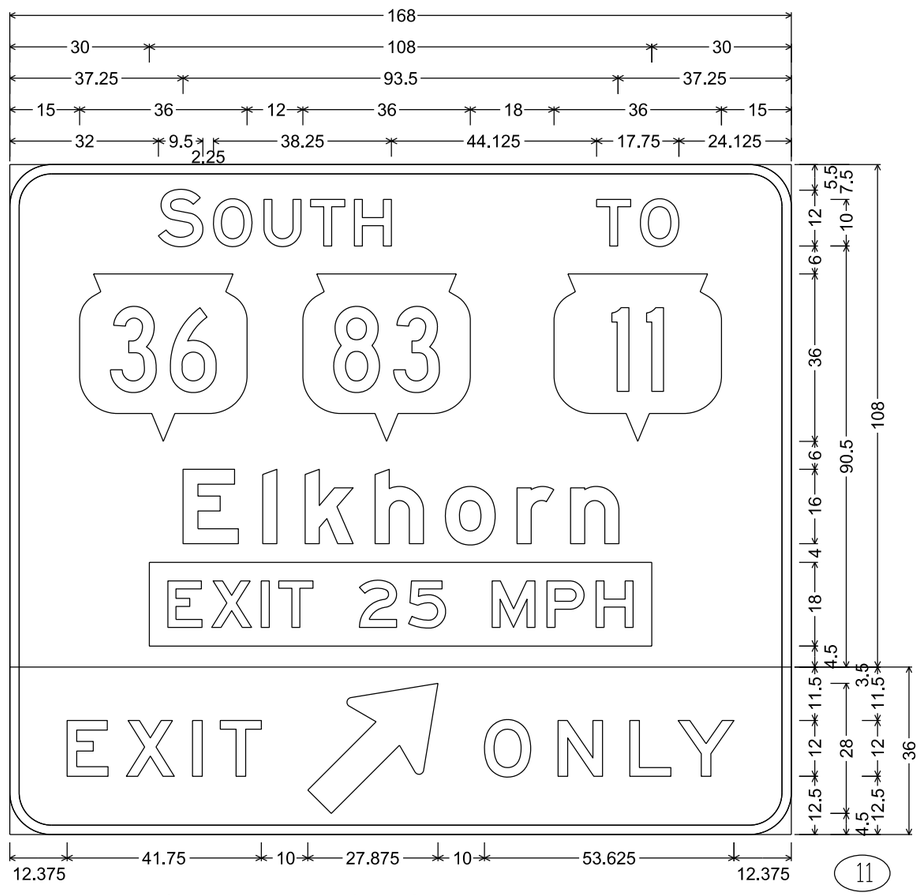
SDD15D50 - 01a



No border, Black on Yellow;
"EXIT", E; "25", E; "MPH", E;

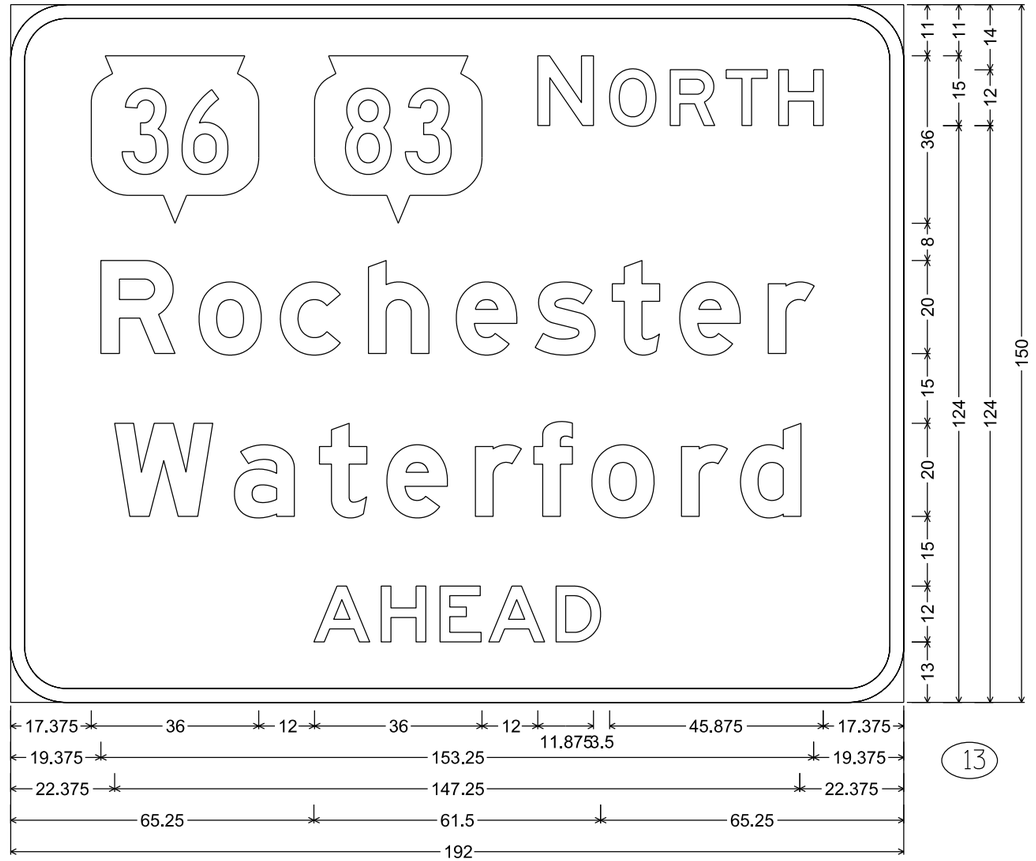
NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E
4. EXIT ONLY panel and MPH Plaque is on Type F Reflective Sheeting with Black Non-Relective Message

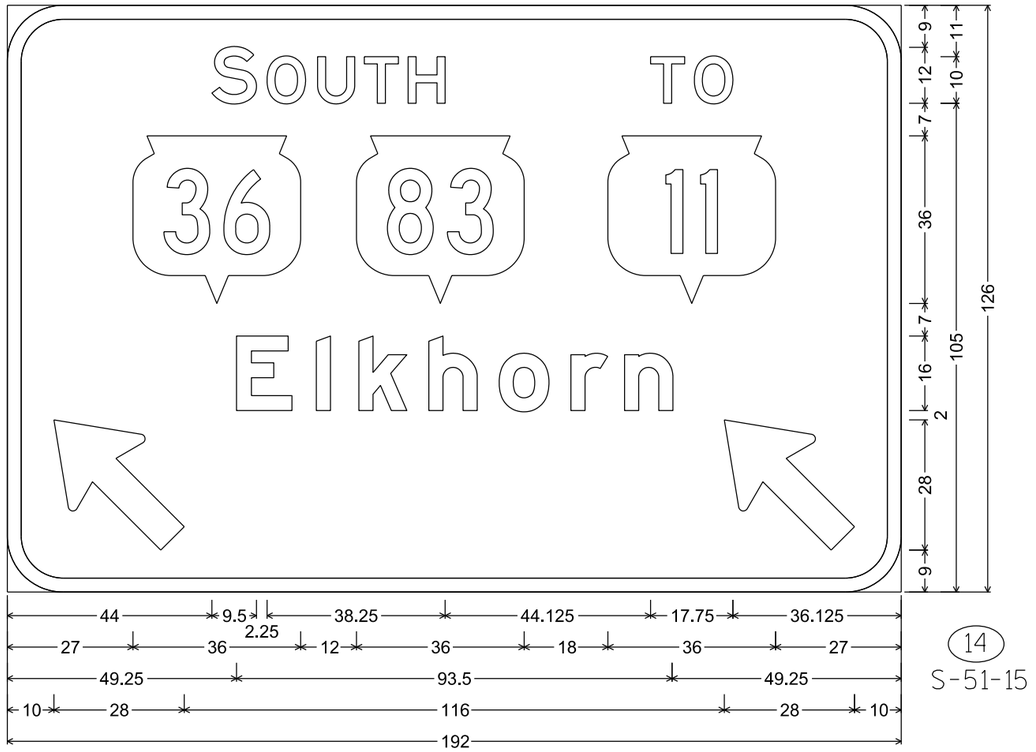


E6-1; 9.000" Radius, 2.000" Border, White on Green;
E11-1D; 9.000" Radius, 2.000" Border, Black on Yellow

S-51-14

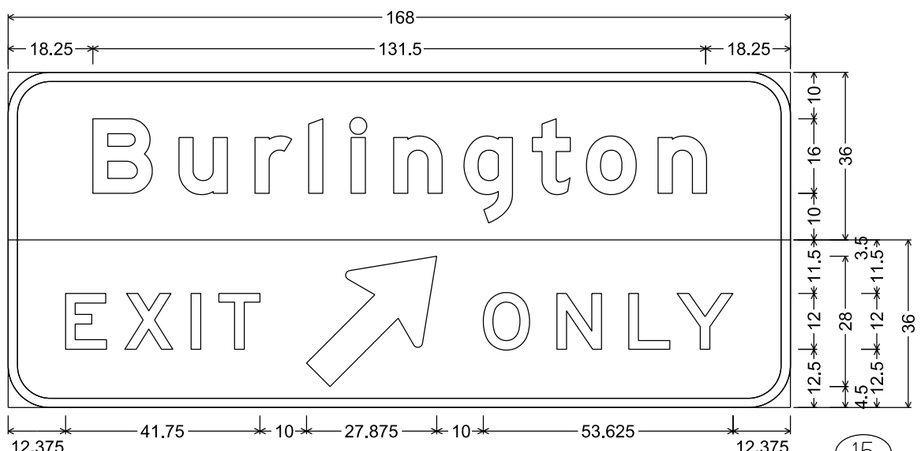


E1-1A; 12.000" Radius, 3.000" Border



14
S-51-15

E6-51; 12.000" Radius, 3.000" Border

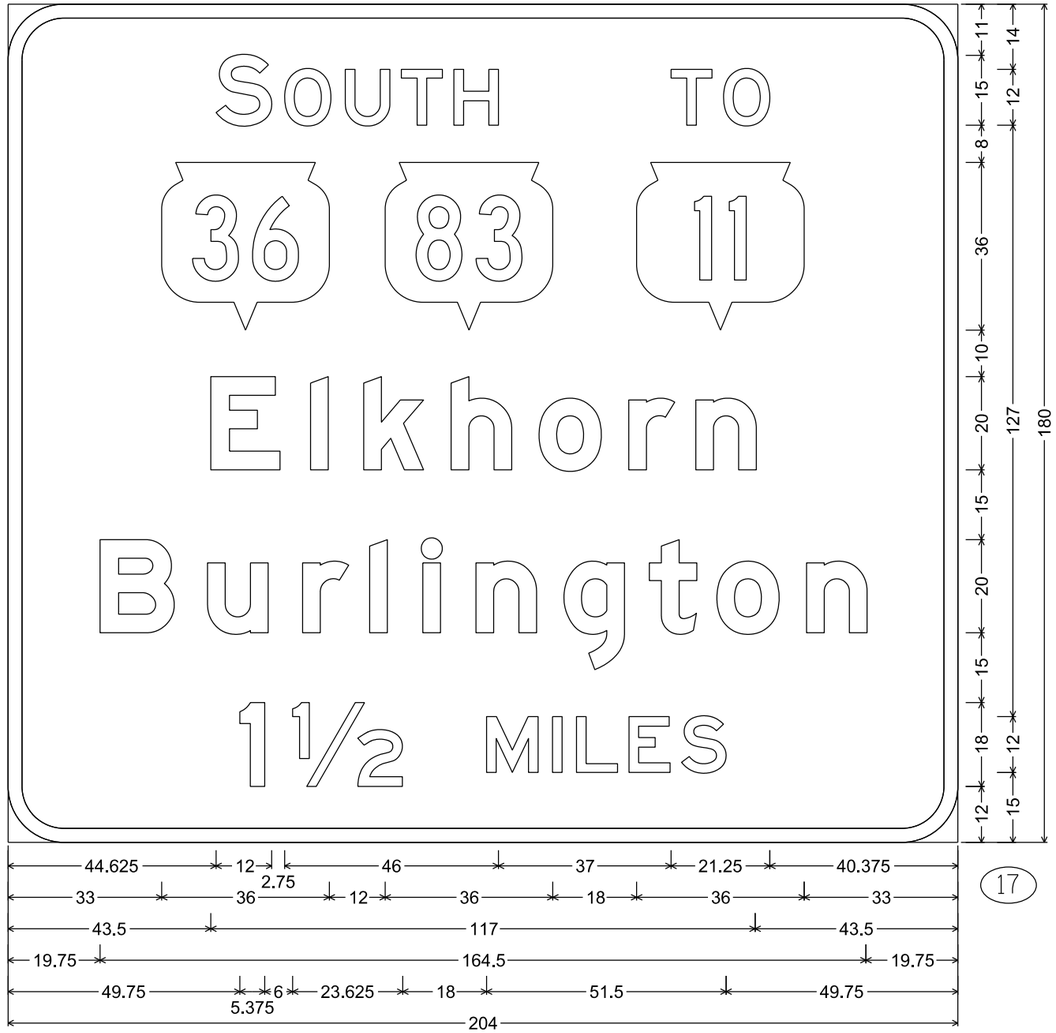


15
S-51-15

E6-1; 9.000" Radius, 2.000" Border, White on Green;
E11-1D; 9.000" Radius, 2.000" Border, Black on Yellow

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E
4. EXIT ONLY panel is on Type F Reflective Sheeting with Black Non-Relective Message



17

E1-1A; 12.000" Radius, 3.000" Border

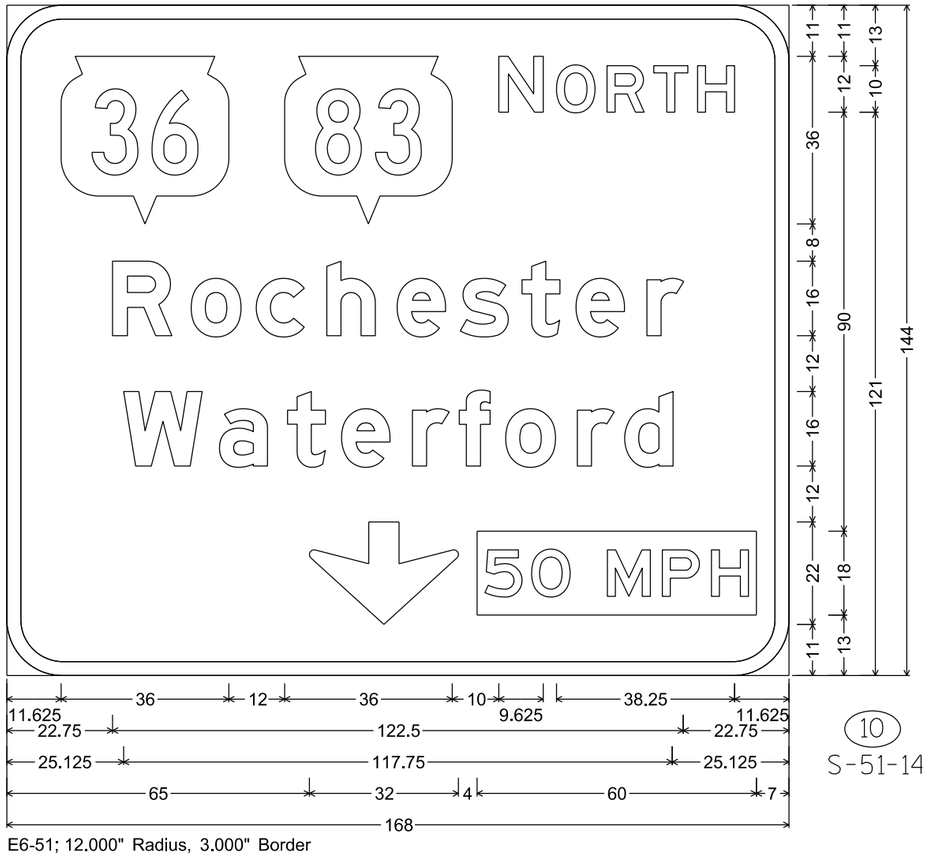
7

7

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING	SHEET NO: 501	E

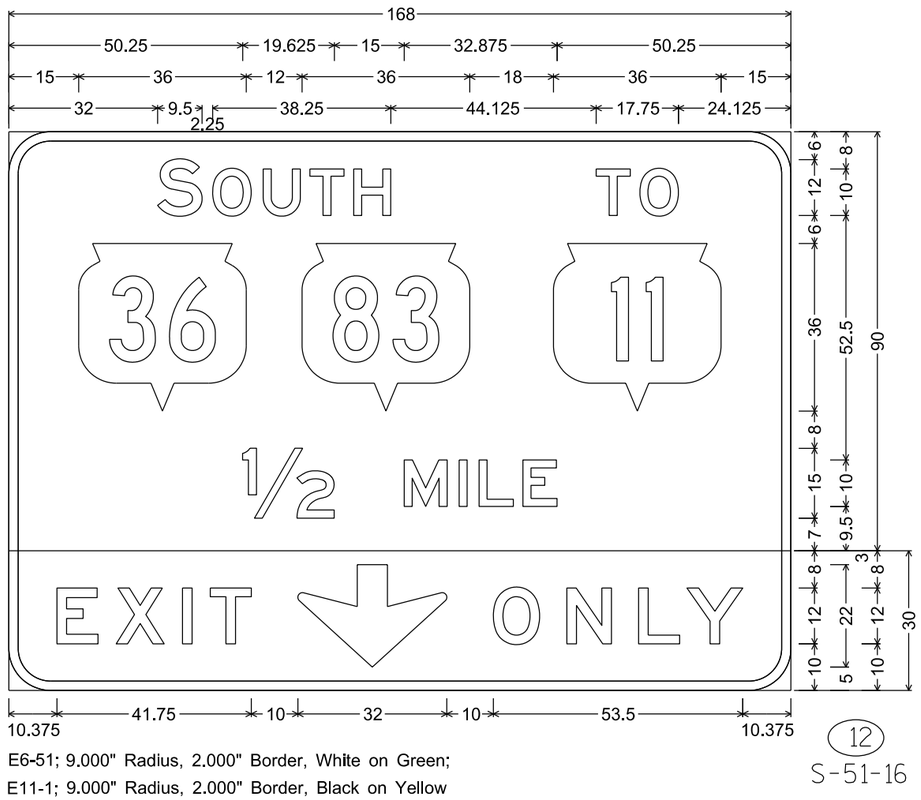
NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E
4. EXIT ONLY panel and MPH Plaque is on Type F Reflective Sheeting with Black Non-Relective Message



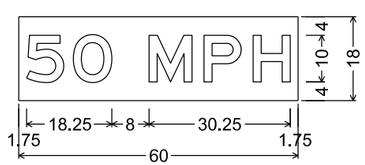
10
S-51-14

E6-51; 12.000" Radius, 3.000" Border



12
S-51-16

E6-51; 9.000" Radius, 2.000" Border, White on Green;
E11-1; 9.000" Radius, 2.000" Border, Black on Yellow



No border, Black on Yellow;
"50", E; "MPH", E;

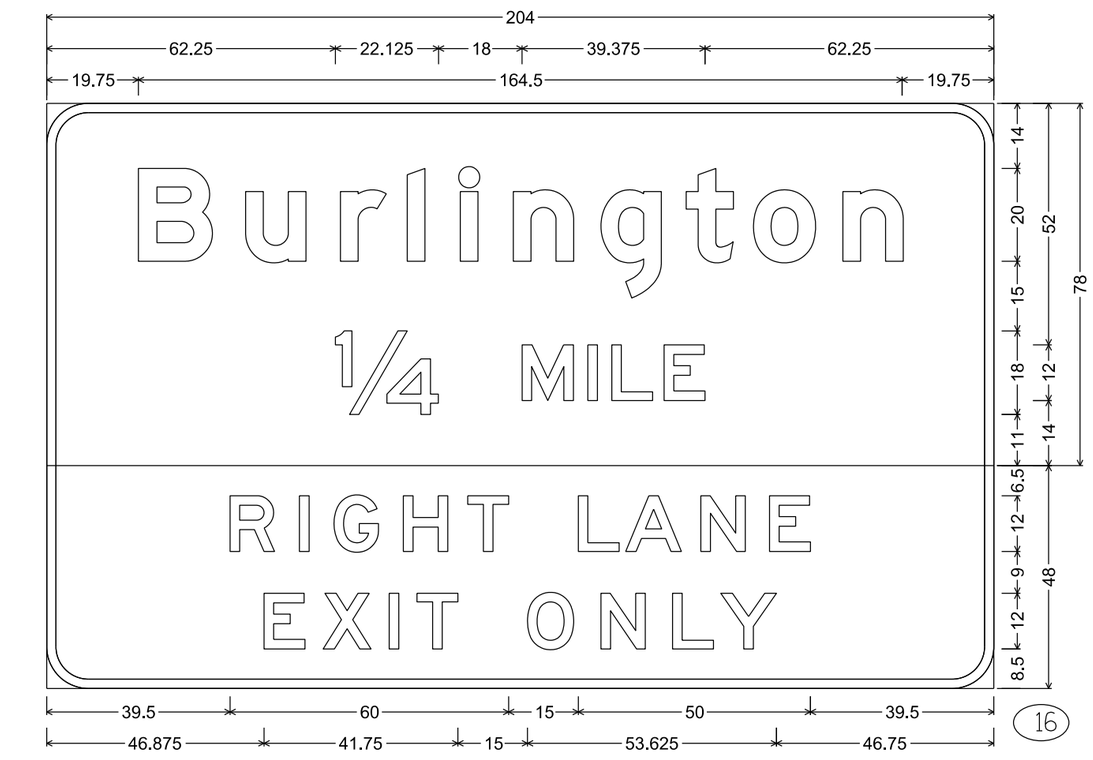
7

7

PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING	SHEET NO: 502	E

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E
4. EXIT ONLY panelis on Type F Reflective Sheeting with Black Non-Relective Message

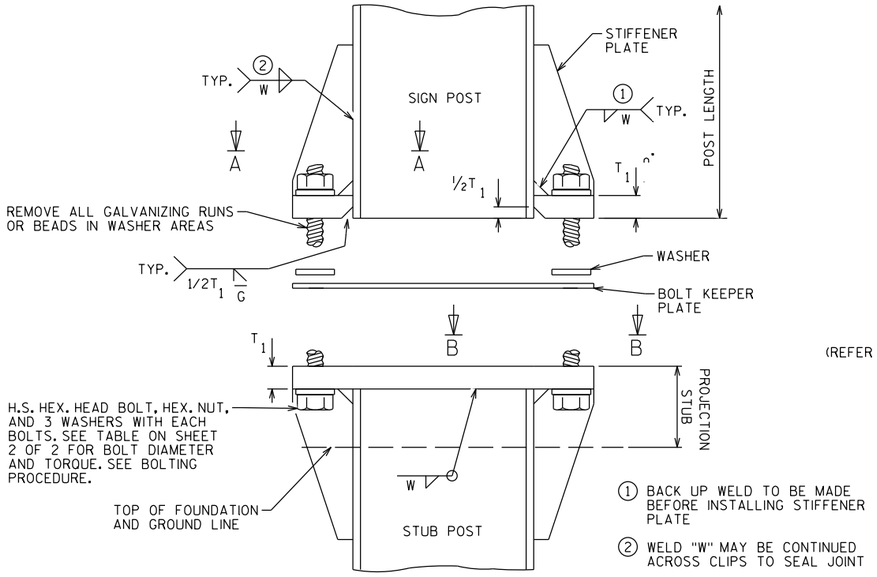


E1-1A; 9.000" Radius, 2.000" Border, White on Green;
E11-1MOD; 9.000" Radius, 2.000" Border, Black on Yellow

7

7

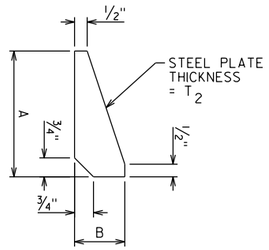
PROJECT NO: 3180-00-76	HWY: STH 11/36	COUNTY: RACINE	PERMANENT SIGNING	SHEET NO: 503	E



① BACK UP WELD TO BE MADE BEFORE INSTALLING STIFFENER PLATE

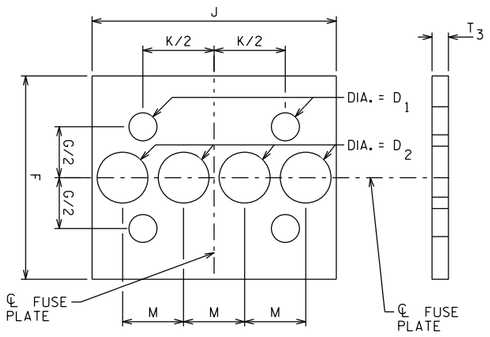
② WELD "W" MAY BE CONTINUED ACROSS CLIPS TO SEAL JOINT

SIGN POST & STUB POST ELEVATION



STIFFENER PLATE DETAIL

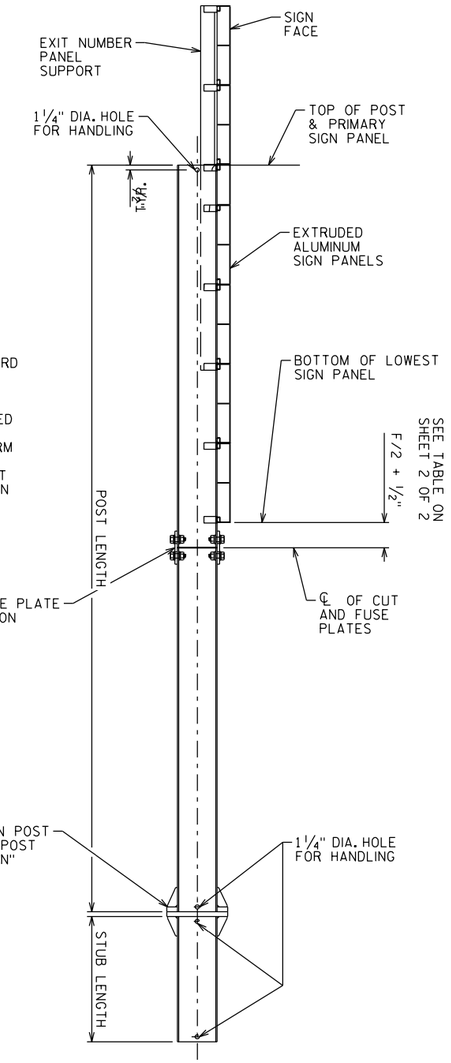
(REFER TO TABLE ON SHEET 2 OF 2 FOR DIMENSIONS)



PERFORATED FUSE PLATE DETAIL

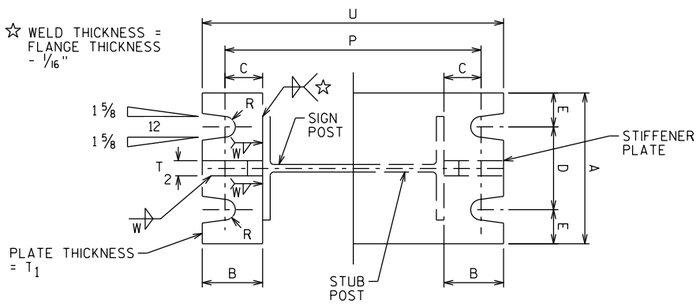
USE H.S. HEX HEAD BOLTS, HEX HEAD NUT AND FLAT WASHER UNDER NUT. INSTALL BOLTS PER THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 506.3.12.3.

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.



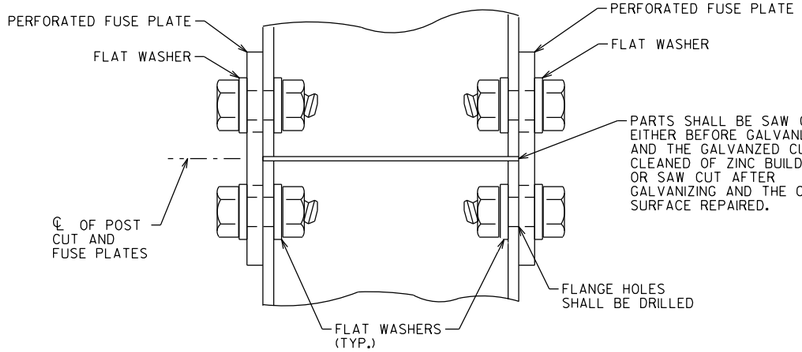
POST DETAIL

☆ WELD THICKNESS = FLANGE THICKNESS - 1/16"

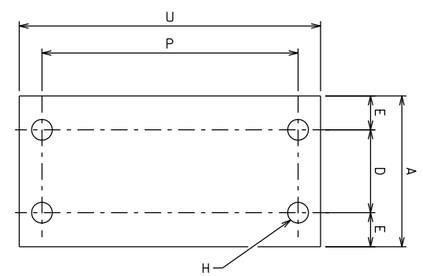


SECTION A-A

SECTION B-B



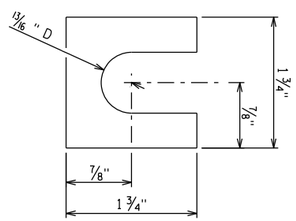
FUSE PLATE CONNECTION DETAIL



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.

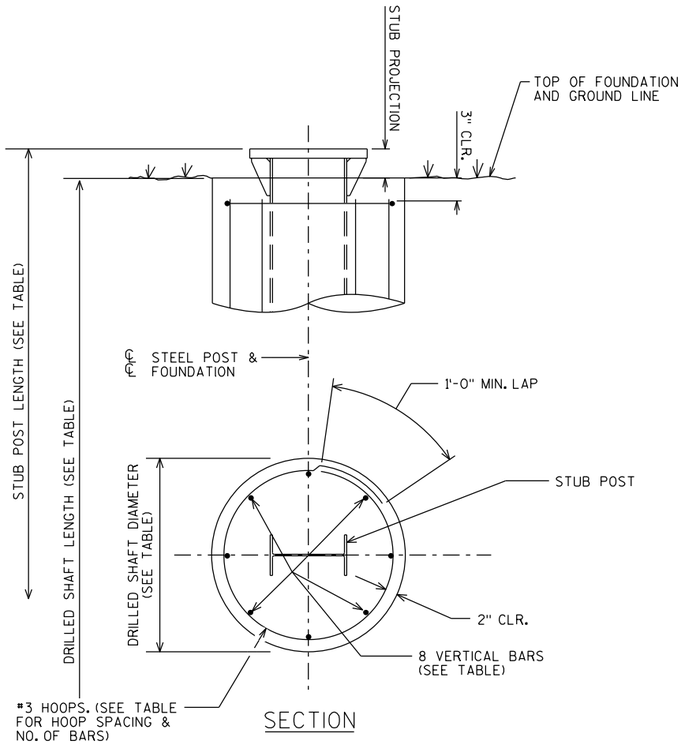
CONNECTION & FOUNDATION DETAILS 1 OF 2

SHEET A3-1.20

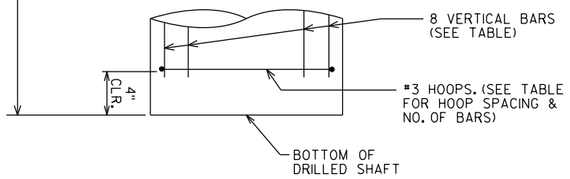
504

7

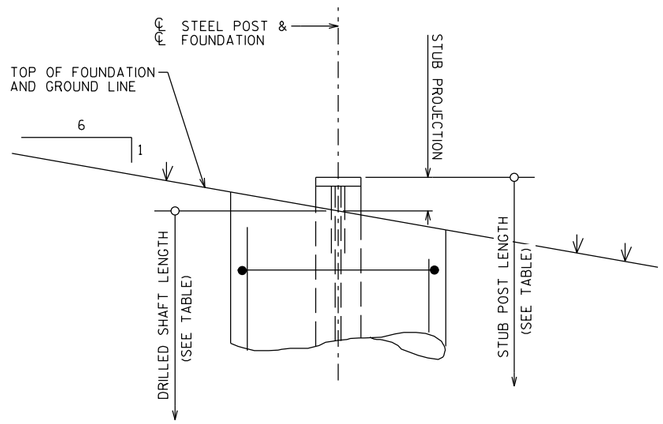
7



SECTION



FOUNDATION DETAIL



SHAFT PLACEMENT

FOUNDATION DATA TABLE

POST SHAPE	STUB LENGTH	STUB PROJECTION	DRILLED SHAFT DIAMETER	DRILLED SHAFT LENGTH	VERTICAL BARS		HOOPS		CONCRETE VOLUME ◆	TOTAL REINF. WEIGHT ◆
					SIZE	LENGTH	MAX SPA.	NO.		
W6X15	2'-6"	3"	24"	6'-6"	#5	5'-11"	10"	9	0.8 CY	71 LB
W8X18	2'-6"	3"	24"	7'-6"	#6	6'-11"	12"	8	0.9 CY	102 LB
W8X21	3'-0"	2½"	24"	8'-0"	#6	7'-5"	12"	9	1.0 CY	110 LB
W10X22	3'-0"	2½"	24"	8'-6"	#7	7'-11"	12"	9	1.0 CY	151 LB
W12X26	3'-0"	2½"	24"	10'-0"	#7	9'-5"	12"	11	1.2 CY	180 LB

◆ QUANTITIES SHOWN ARE FOR ONE DRILLED SHAFT

BASE CONNECTION & FUSE PLATE DATA TABLE

POST SHAPE	WEIGHT PER FOOT	BASE CONNECTION DATA: BOLT SIZE & TORQUE	A	B	C	D	E	T1	T2	W	R	BOLT KEEPER PLATE DATA: P	U	PERFORATED FUSE PLATE DATA: F	G	J	K	M	D1	D2	T3	BOLT DIA.	WGT. EA. LBS	BOLT LENGTH	V ◪
W6X15	15 LB	⅝" DIA. X 4" 36 TO 38 FT-LB	5"	2"	1¼"	2¾"	1⅛"	1¼"	½"	¼"	11/32"	8½"	10"	5"	2½"	6"	3½"	1½"	11/16"	1¼"	⅜"	⅝"	2.4	2	73.0 LB
W8X18	18 LB											10⅝"	12⅛"	5"	2½"	5¼"	2¾"	1¼"	11/16"	1 1/16"	⅜"	⅝"	2.0	2	83.0 LB
W8X21	21 LB	¾" DIA. X 4¾" 62 TO 63 FT-LB	6"	2¼"	1⅜"	3½"	1¼"	1½"	¾"	5/16"	13/32"	11"	12¾"	5½"	2½"	5¼"	2¾"	1¼"	13/16"	1"	½"	¾"	3.1	2¼"	124.0 LB
W10X22	22 LB											12⅞"	14⅝"	6"	3"	5¾"	2¾"	1⅜"	13/16"	1⅛"	½"	¾"	3.9	2¼"	134.0 LB
W12X26	26 LB											15"	16¾"	6"	3"	6½"	3½"	1⅝"	13/16"	1 5/16"	½"	¾"	4.5	2¼"	152.0 LB

◪ TOTAL STRUCTURAL CARBON STEEL WEIGHT FOR ONE POST = V + (POST LENGTH X POST WEIGHT PER FOOT)

"V" INCLUDES STUB POST, BASE PLATES, STIFFENER PLATES, PERFORATED FUSE PLATES, BOLTS, NUTS, AND WASHERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

MATERIALS SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506, UNLESS NOTED OTHERWISE.

FABRICATION SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506.

ALL POST, POST STUBS & ATTACHMENTS SHALL BE ASTM A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.

THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST, FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.

H.S. BOLTS, WASHERS, & NUTS SHALL BE A325 GALVANIZED.

FOUNDATION MATERIAL PROPERTIES

CONCRETE MASONRY	F'C = 3,500 P.S.I.
BAR STEEL REINFORCEMENT (UNCOATED), GRADE 60	FY = 60,000 P.S.I.

DESIGN DATA

DESIGN CONFORMS TO AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS 1ST EDITION 2015 (WITH 2017 & 2018 INTERIM REVISIONS).

DEAD LOADS (DL):

- STEEL POST SELF WEIGHT
- SIGN PANEL WEIGHT = 3 PSF

WIND LOADS (WL):

WIND LOADS WERE APPLIED TO THE PROJECTED AREAS OF THE SIGN PANELS AND THE STEEL SIGN POSTS.

- BASIC WIND SPEED = 76 MPH
- MEAN RECURRANCE INTERVAL (MRI) = 10 YEARS
- HEIGHT & EXPOSURE FACTOR = 1.00
- DIRECTIONALITY FACTOR = 0.85
- GUST EFFECT FACTOR = 1.14

WIND LOAD CASES:

- WL CASE 1: 1.0 X NORMAL WIND
- WL CASE 2: 1.0 X TRANSVERSE WIND
- WL CASE 3: 0.75 X NORMAL WIND + 0.75 X TRANSVERSE WIND

LOAD COMBINATIONS:

LOAD COMBINATION	TYPE	DL FACTOR	WL FACTOR
STRENGTH I	GRAVITY	1.25	-
EXTREME I	WIND	1.10	1.0
		0.9	1.0
SERVICE I	DEFLECTION	1.0	1.0

FOUNDATION DESIGN DATA

THE FOUNDATION DESIGN ASSUMED COHESIONLESS SOILS (LOOSE SAND) ABOVE THE WATER TABLE WITH THE FOLLOWING PROPERTIES:

- SOIL UNIT WEIGHT = 115 PCF
- ANGLE OF INTERNAL FRICTION = 24 DEGREES
- SOIL MODULUS PARAMETER = 25 LB/IN3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

DRAWN BY | PLANS CK'D.

CONNECTION & FOUNDATION DETAILS 2 OF 2

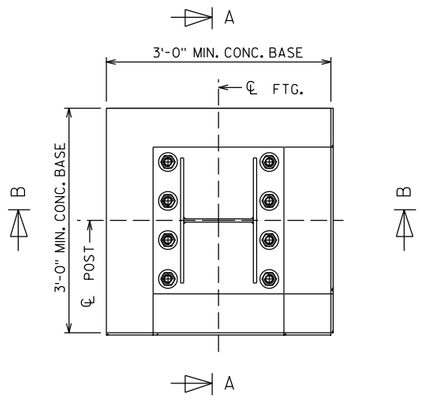
SHEET A3-1.20

505

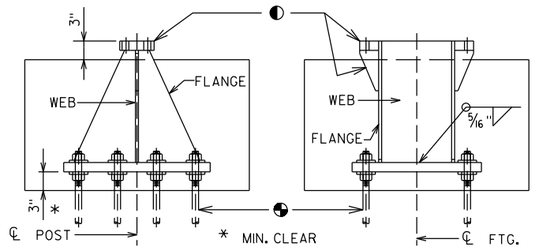
7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A31.DGN PLOT DATE : 3-MAR-2020 PLOT BY : dotc4c

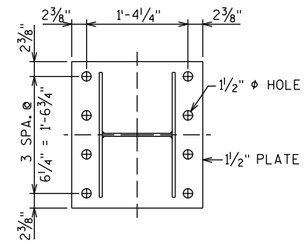
STUB AND ADHESIVE ANCHOR DETAILS



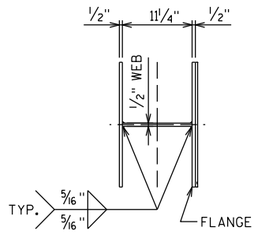
STUB SECTION



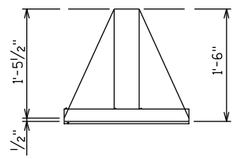
SECTION A-A SECTION B-B



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.

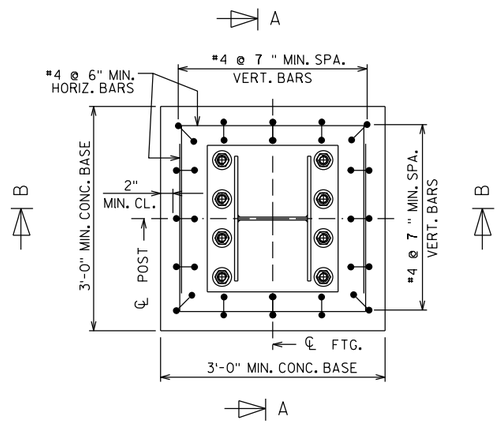
GENERAL NOTES:

QUANTITIES PER BASE:
REINFORCING STEEL = 62 LB
CONCRETE = 0.6 CY
STRUCTURAL STEEL = 335 LB

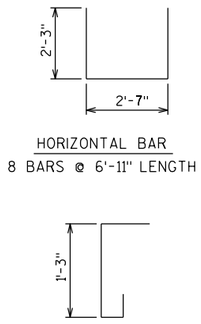
ALL MATERIALS, EXCEPT FOR ANCHOR ROD, NUTS, AND WASHERS, SHALL BE ASTM A709 GRADE 50. ALL MATERIALS TO BE GALVANIZED AFTER FABRICATION.

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

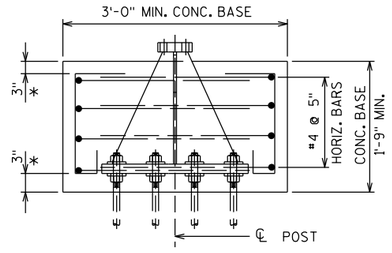


CONCRETE BASE PLAN

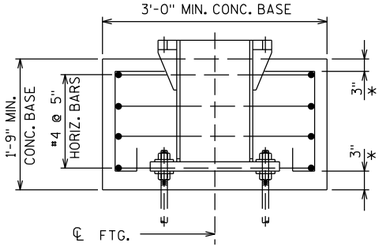


HORIZONTAL BAR
8 BARS @ 6'-11" LENGTH

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

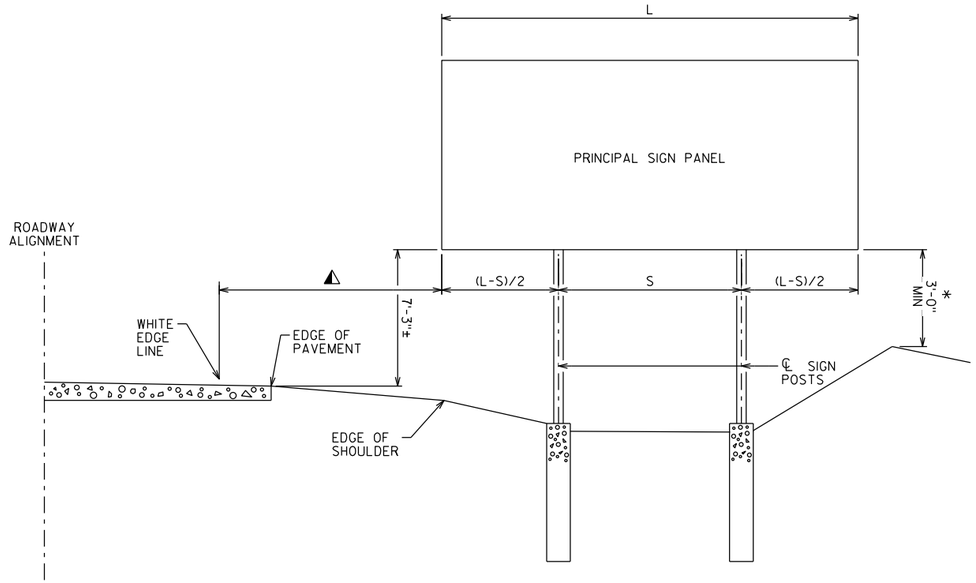
STRUCTURE BTO TYPE I SIGNS

DRAWN BY	PLANS CK'D.

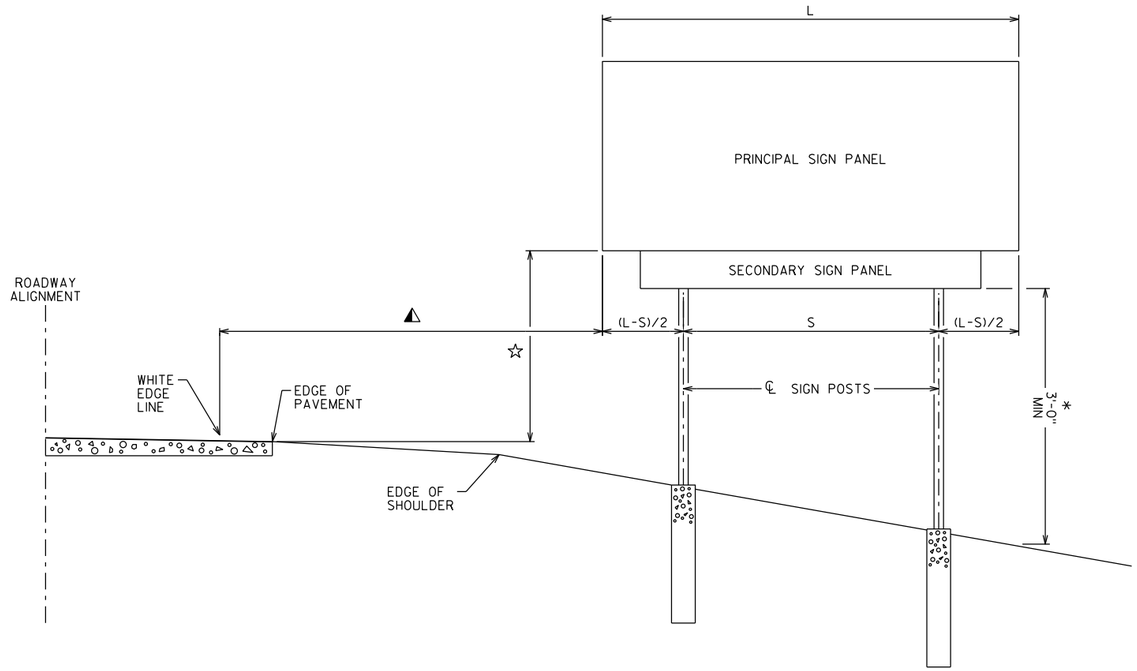
ALTERNATE BREAK-AWAY BASE ON ROCK

SHEET A3-1M.2

506



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

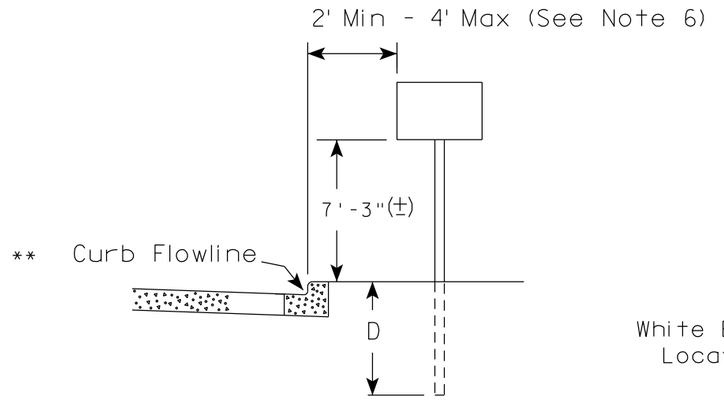
DRAWN BY | PLANS CK'D.

TYPICAL TYPE I SIGN INSTALLATION

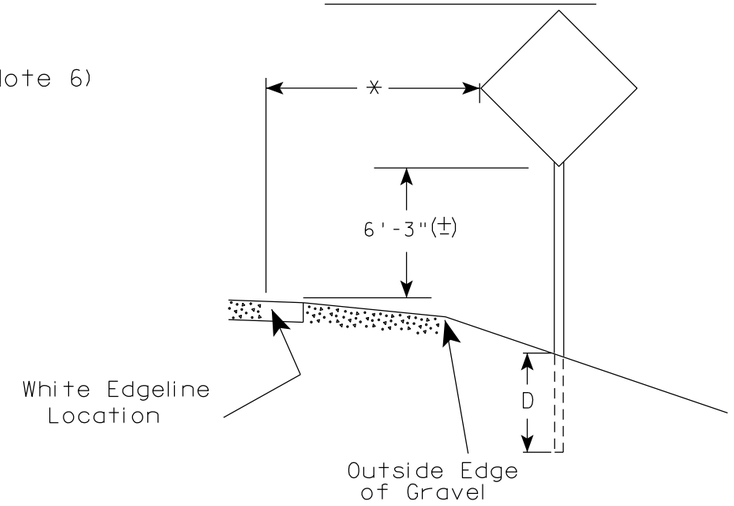
SHEET A4-1.10

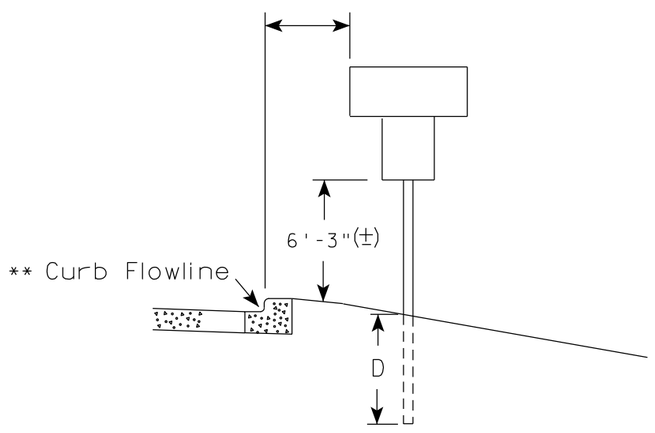
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 507 | E

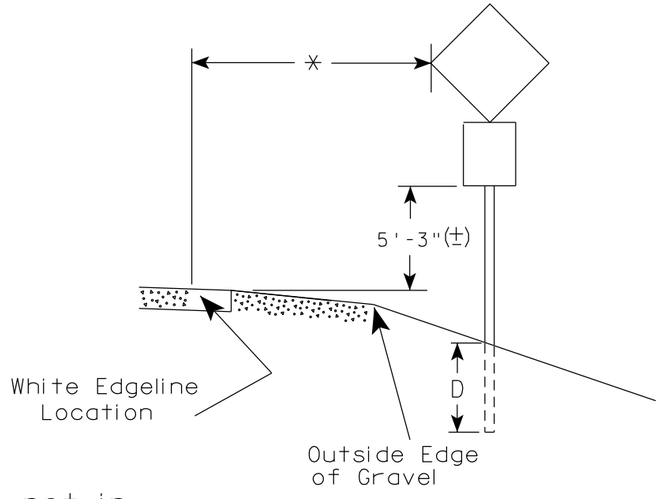
URBAN AREA



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.

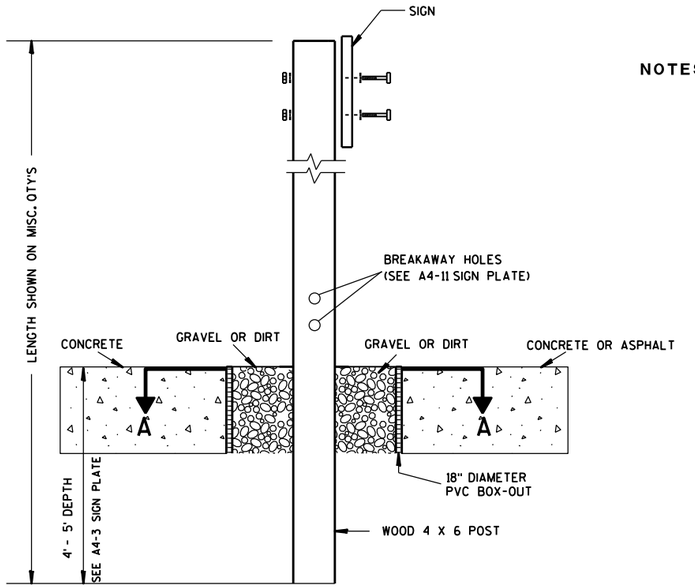
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

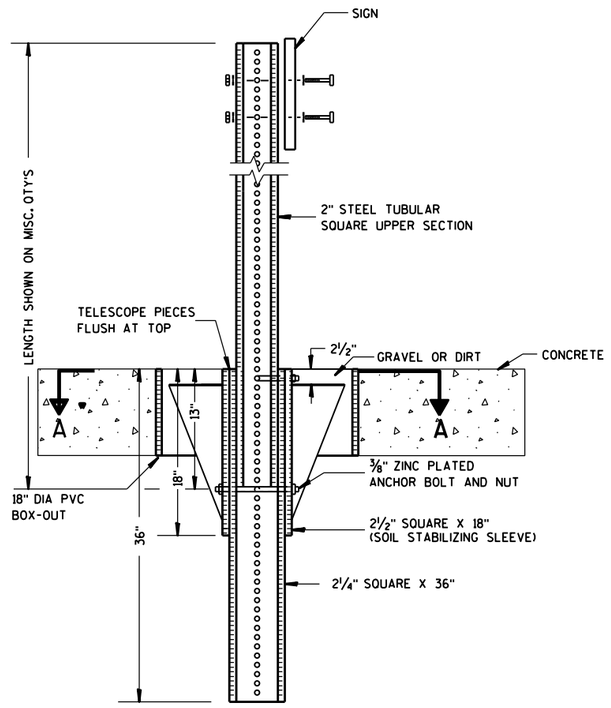
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 508	E



ELEVATION VIEW

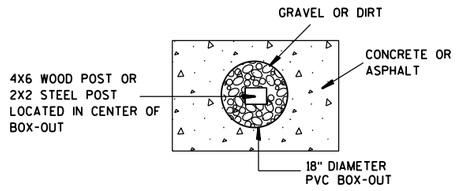
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

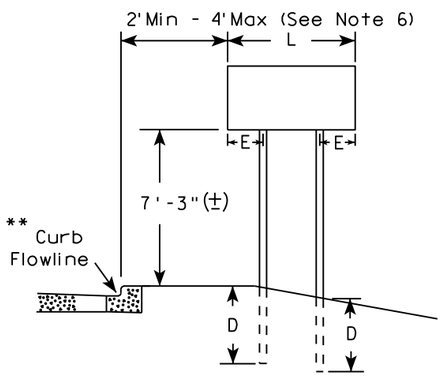
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

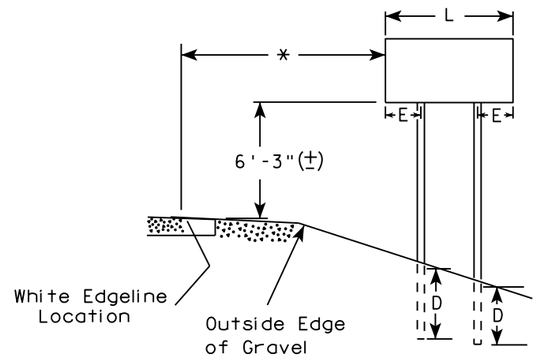
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

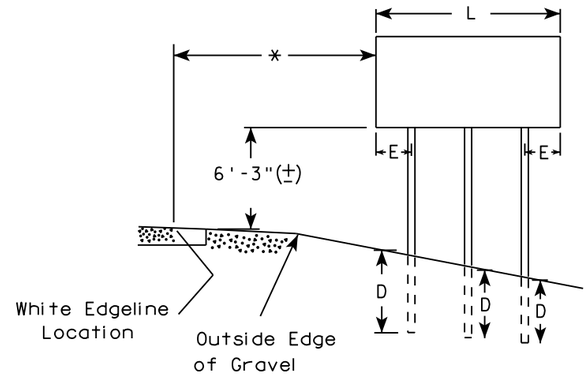
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

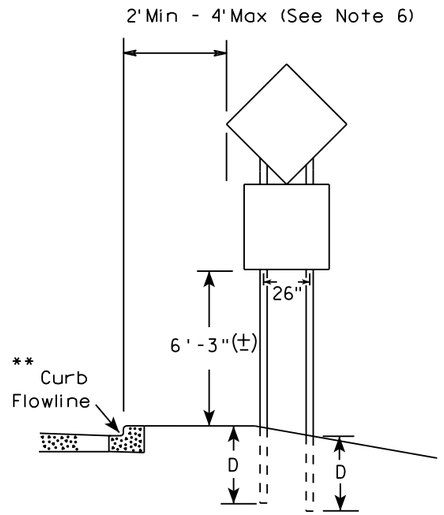
URBAN AREA



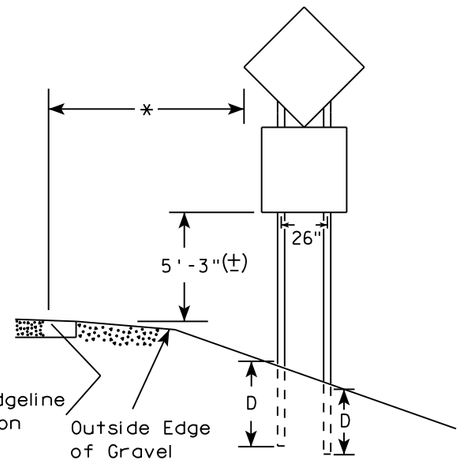
RURAL AREA (See Note 3)







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

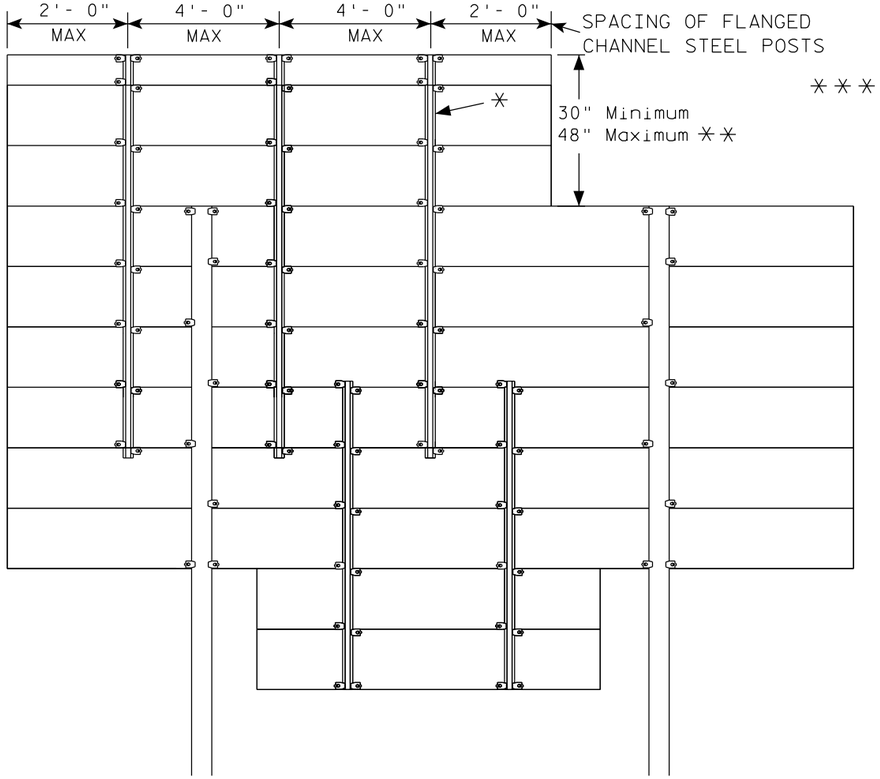
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 510	E

GROUND MOUNTED SIGN



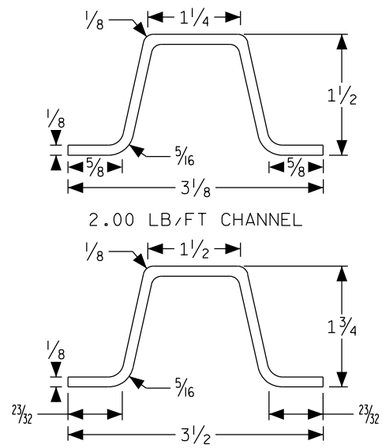
✳=2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

✳✳=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

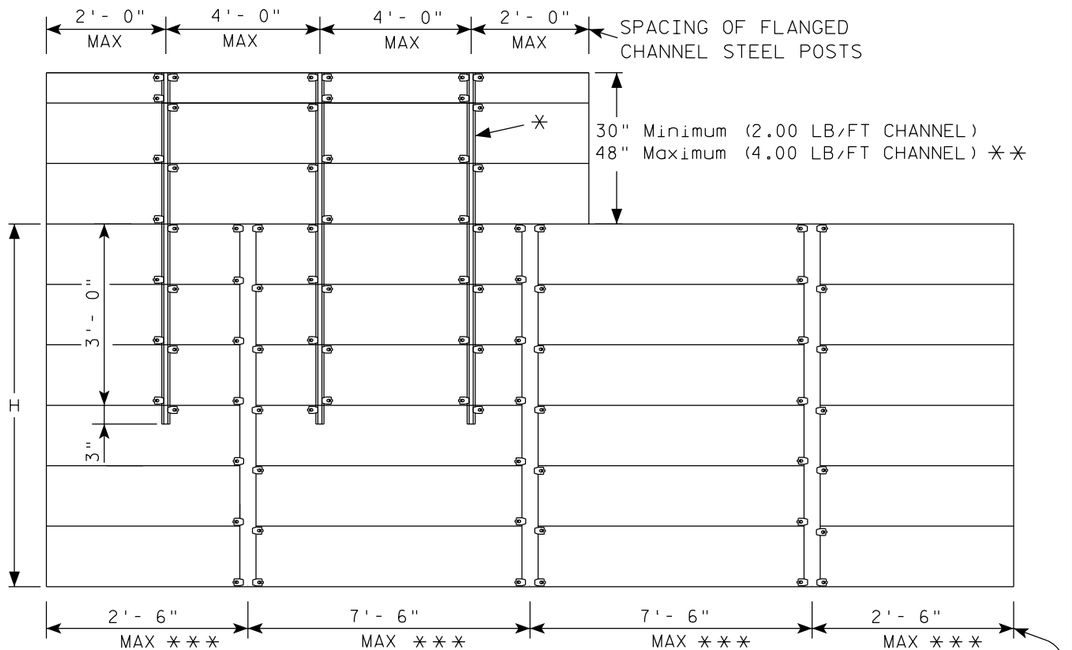
NOT TO SCALE



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

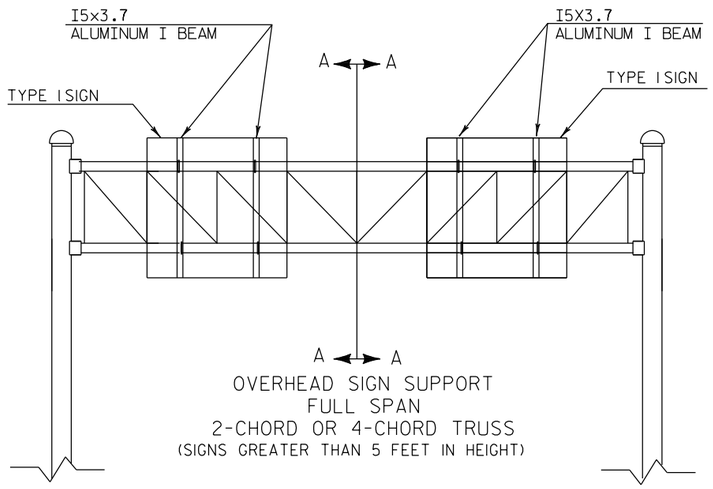
   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER 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

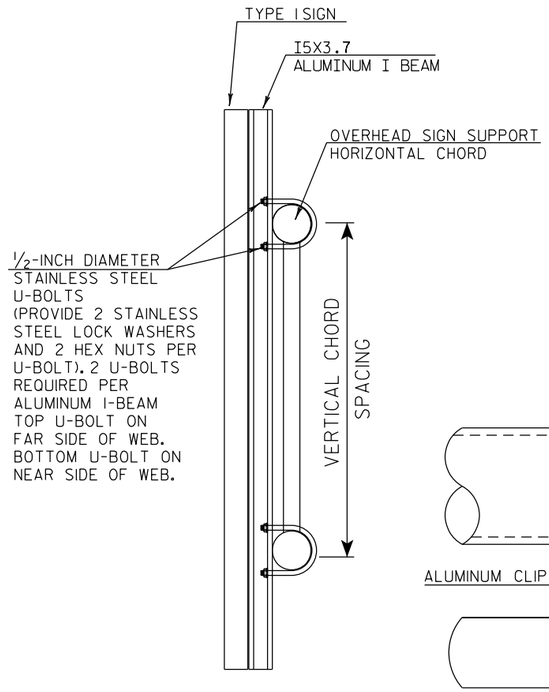
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

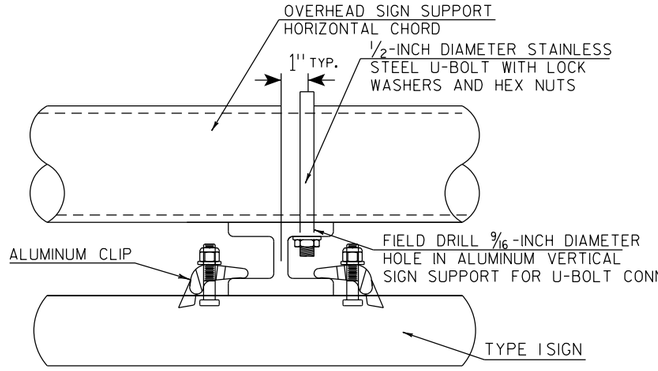
DATE 1/07/20 PLATE NO. A4-6.12



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



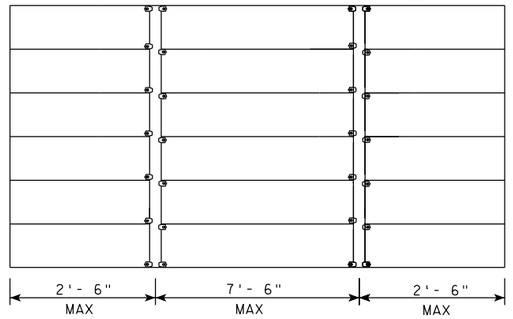
CUT SECTION A-A



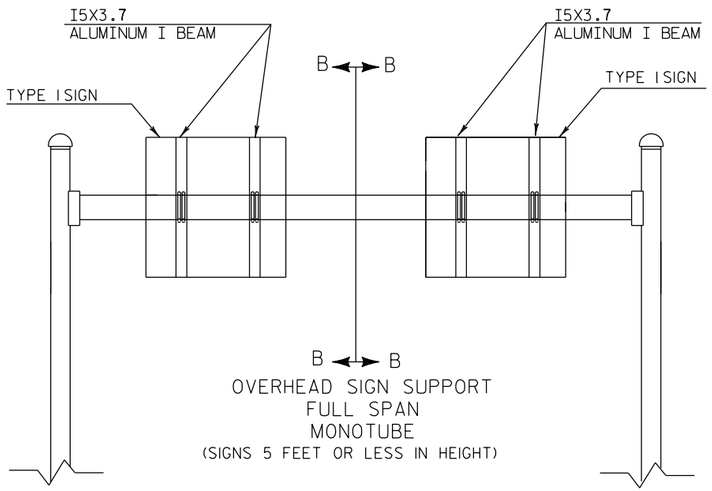
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

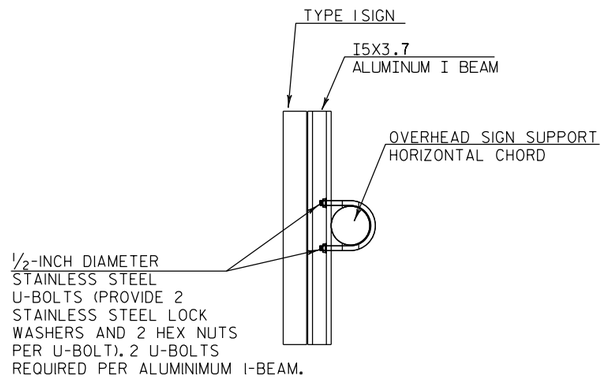
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



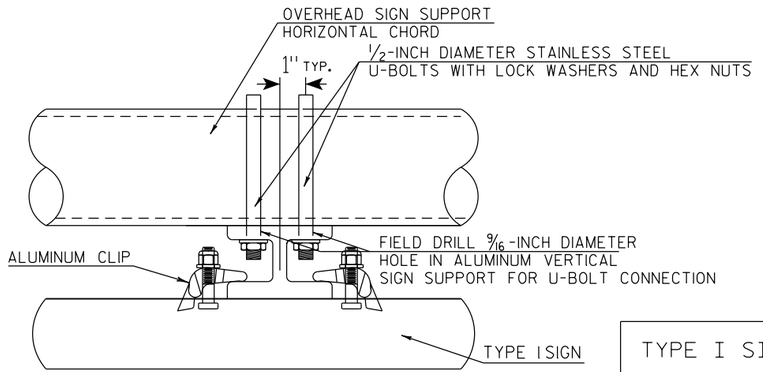
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW

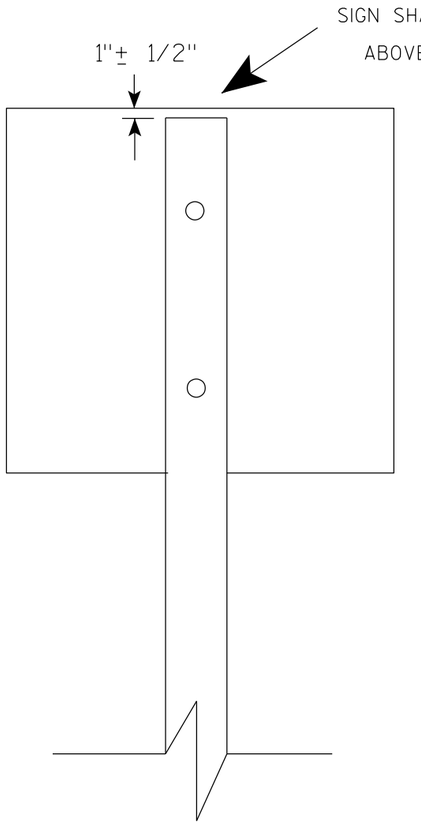
TYPE I SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

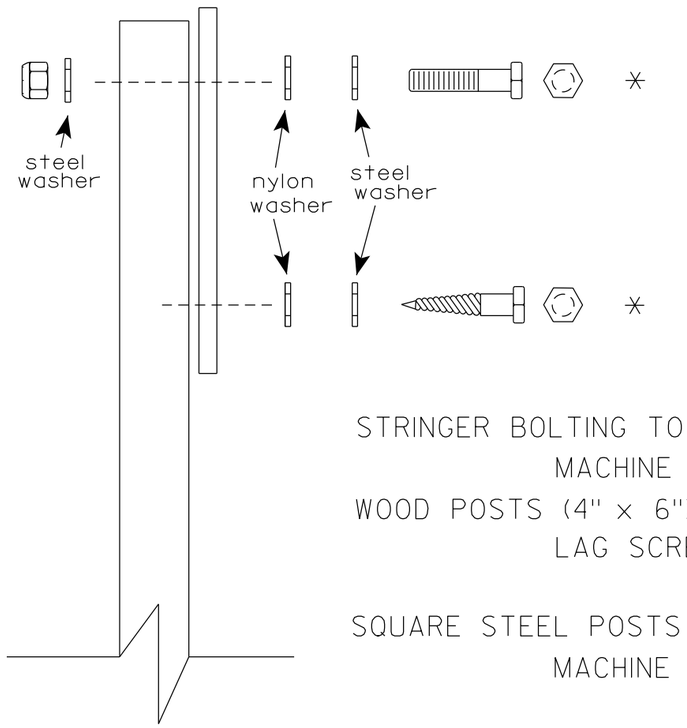
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7A.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 512	E





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

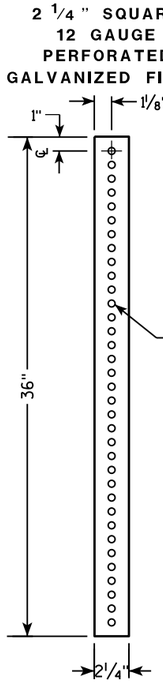
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

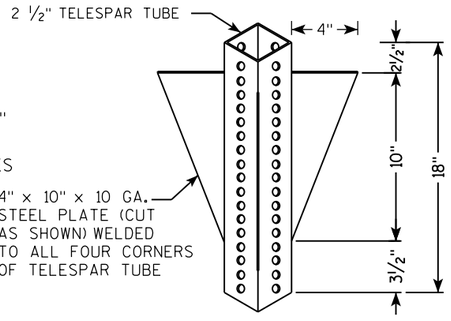
SHEET NO: 513 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

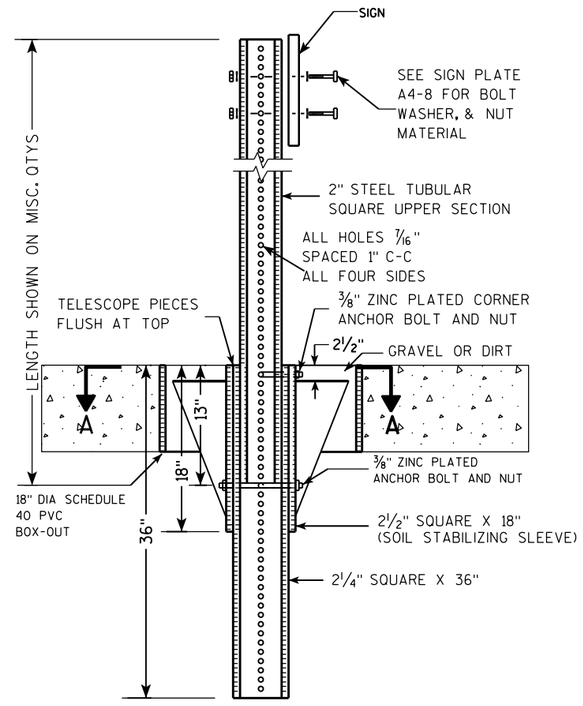
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



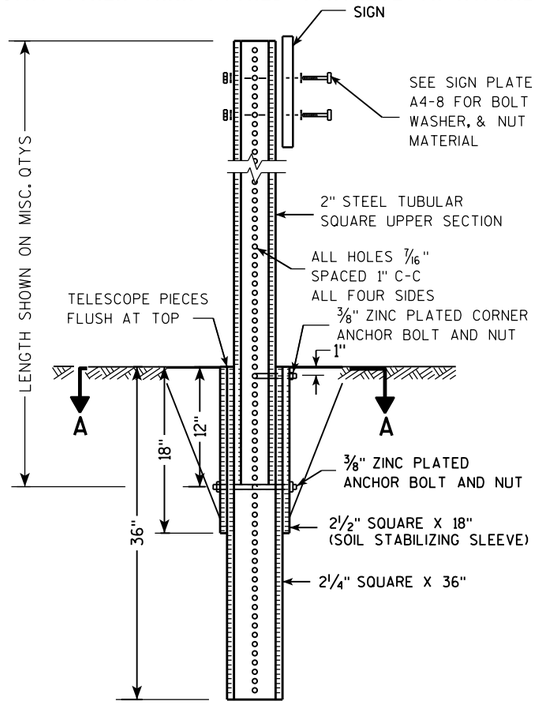
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

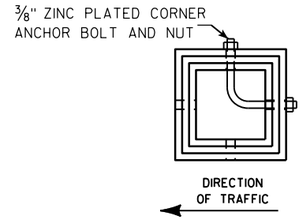


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

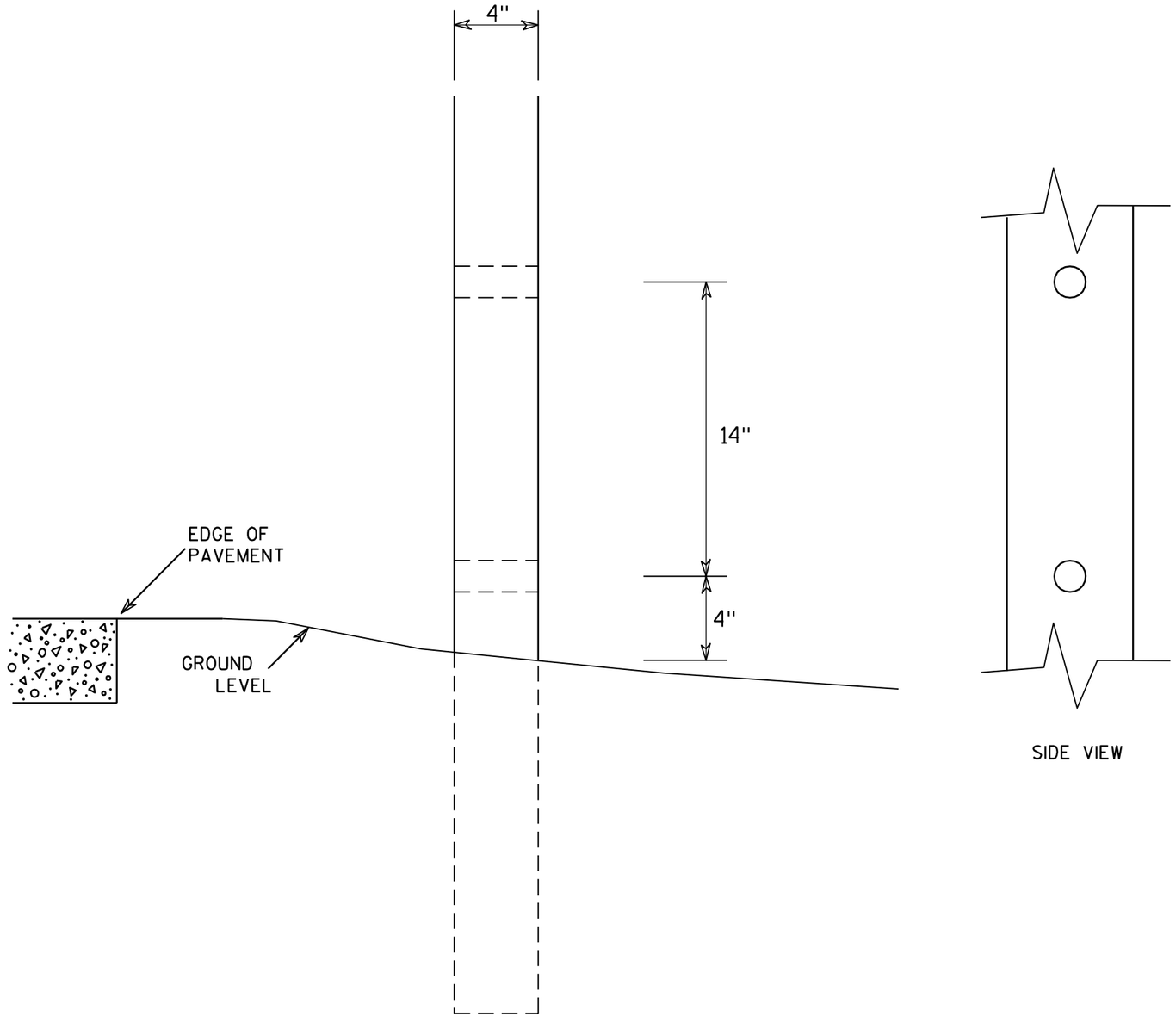
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 514 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



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

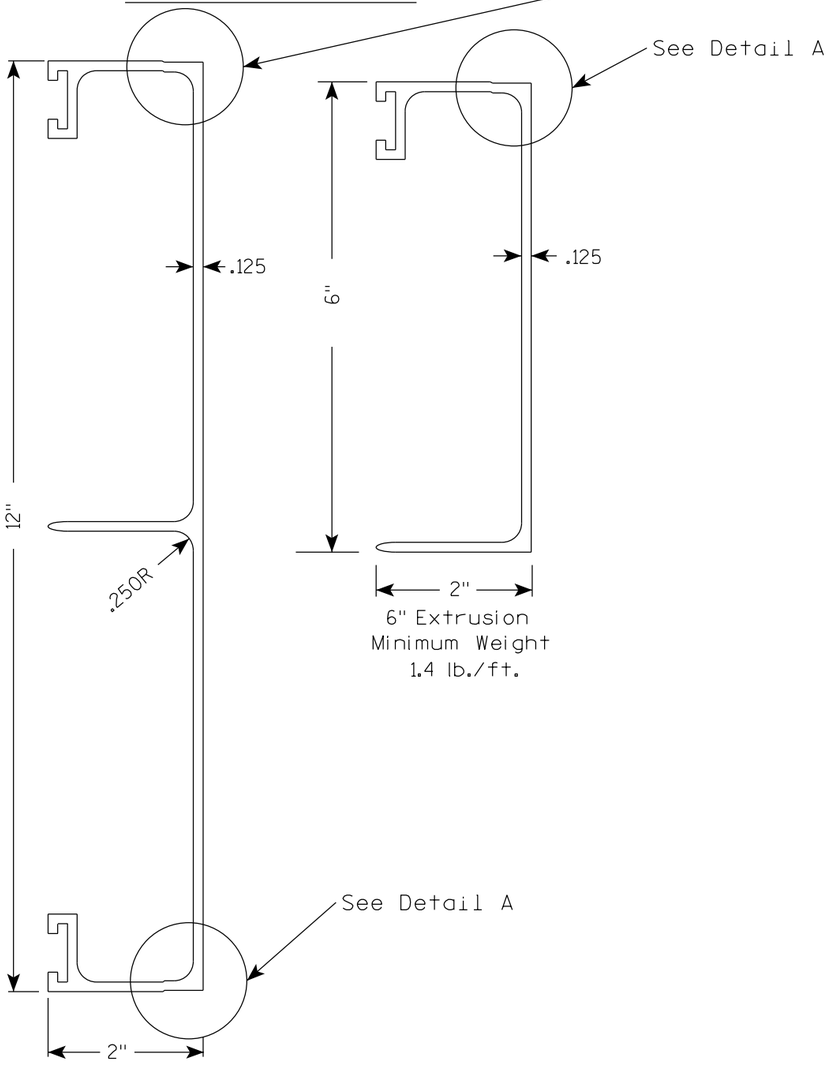
WISCONSIN DEPT OF TRANSPORTATION

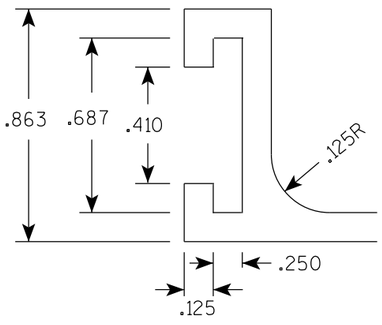
APPROVED Chester J Spang
for State Traffic Engineer

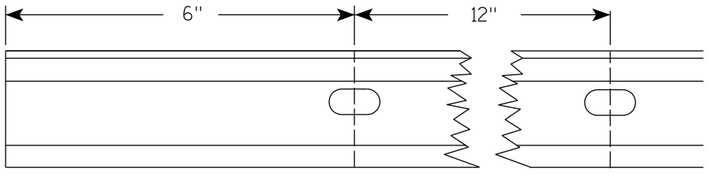
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 515	E

Extruded Shape







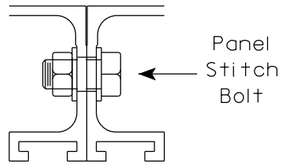
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

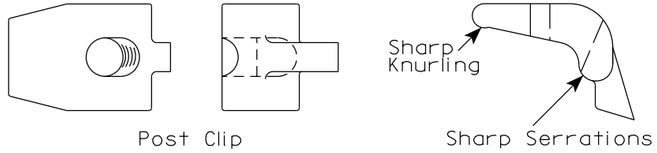
The hardware includes:

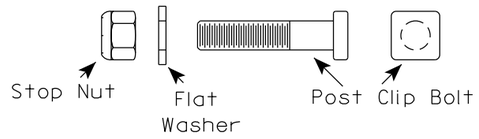
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

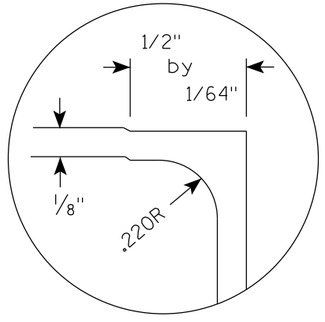
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





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

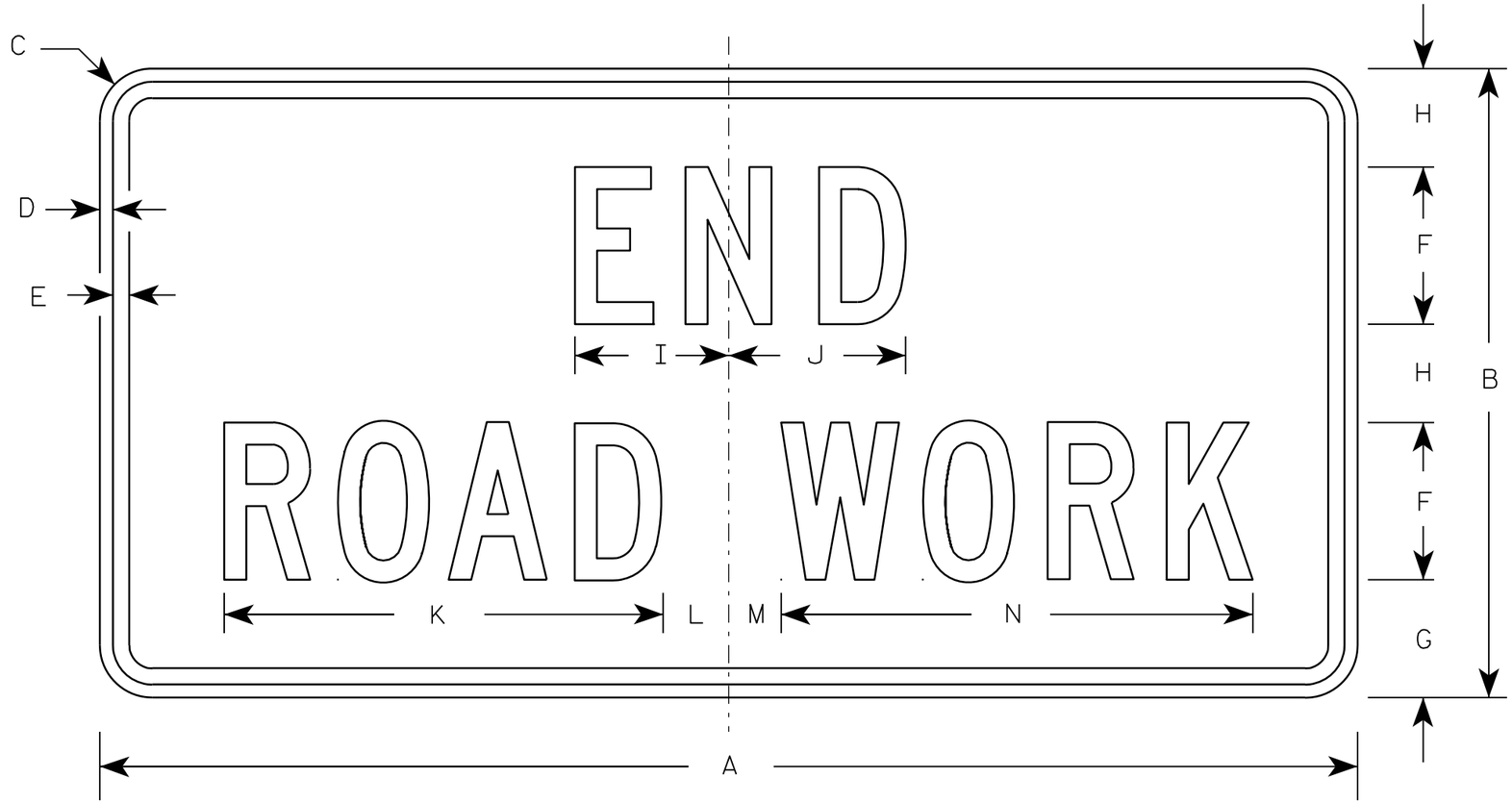
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/07/20 PLATE NO. A5-2.10

PROJECT NO:

SHEET NO: 516 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

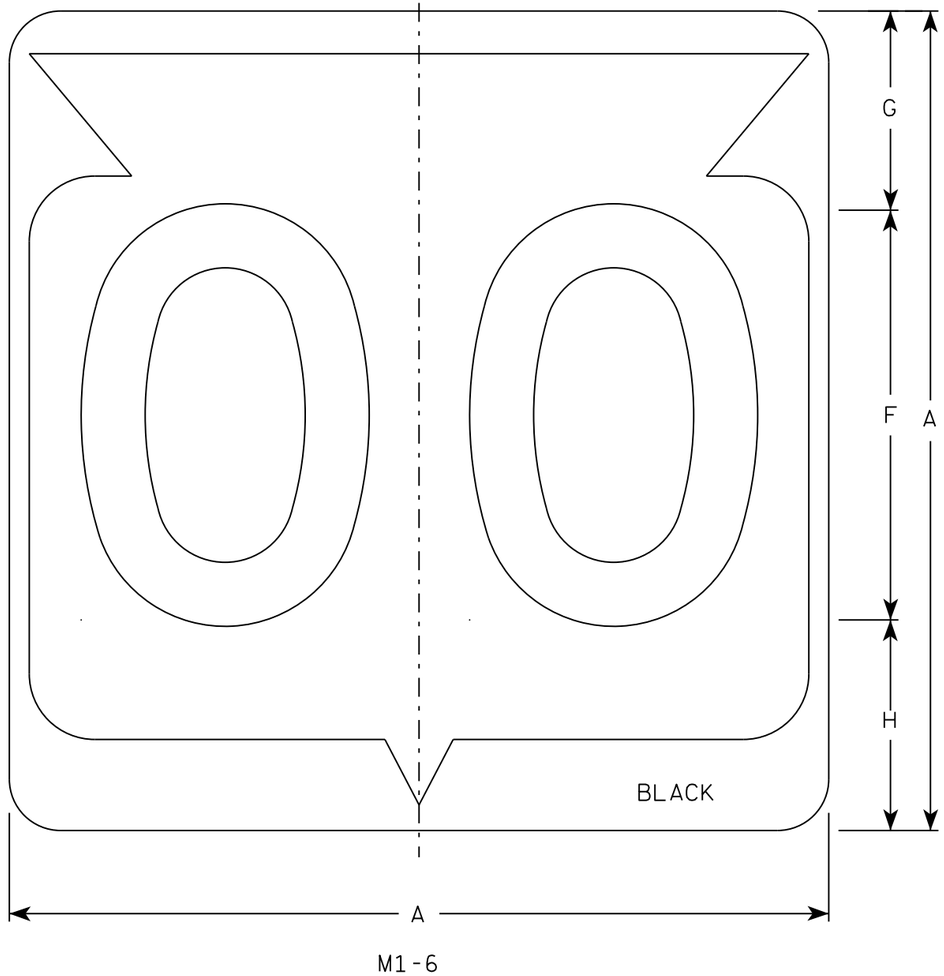
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

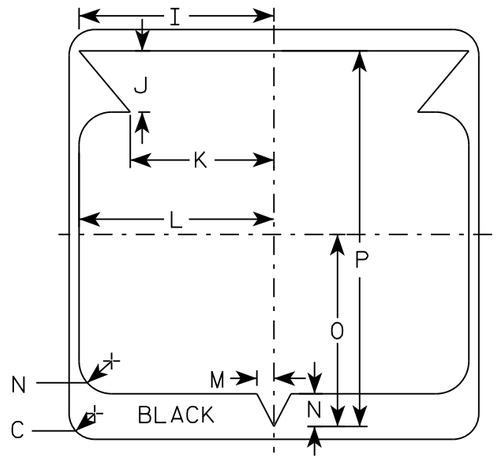
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 517	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

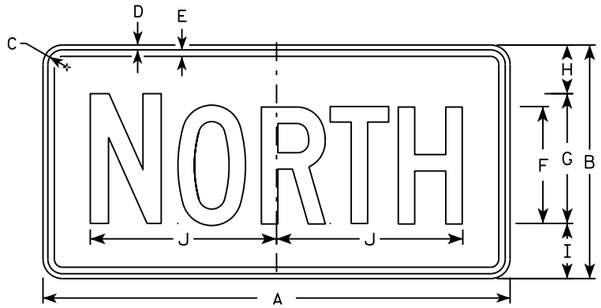
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

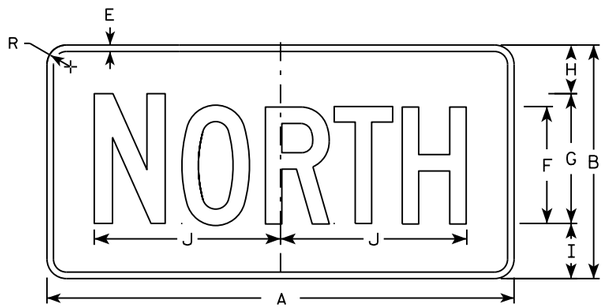
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 518	E



M3-1
MM3-1
MP3-1



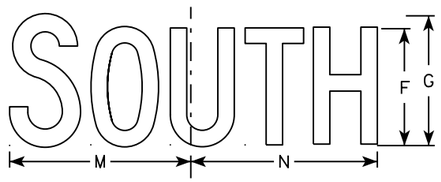
MB3-1
MK3-1
MN3-1



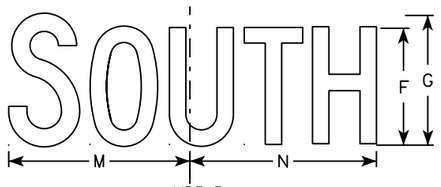
M3-2
MM3-2
MP3-2



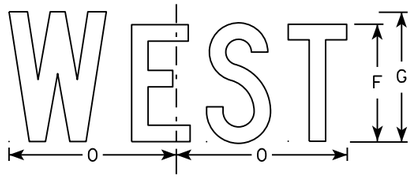
MB3-2
MK3-2
MN3-2



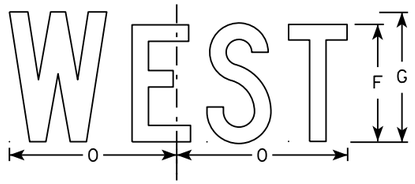
M3-3
MM3-3
MP3-3



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

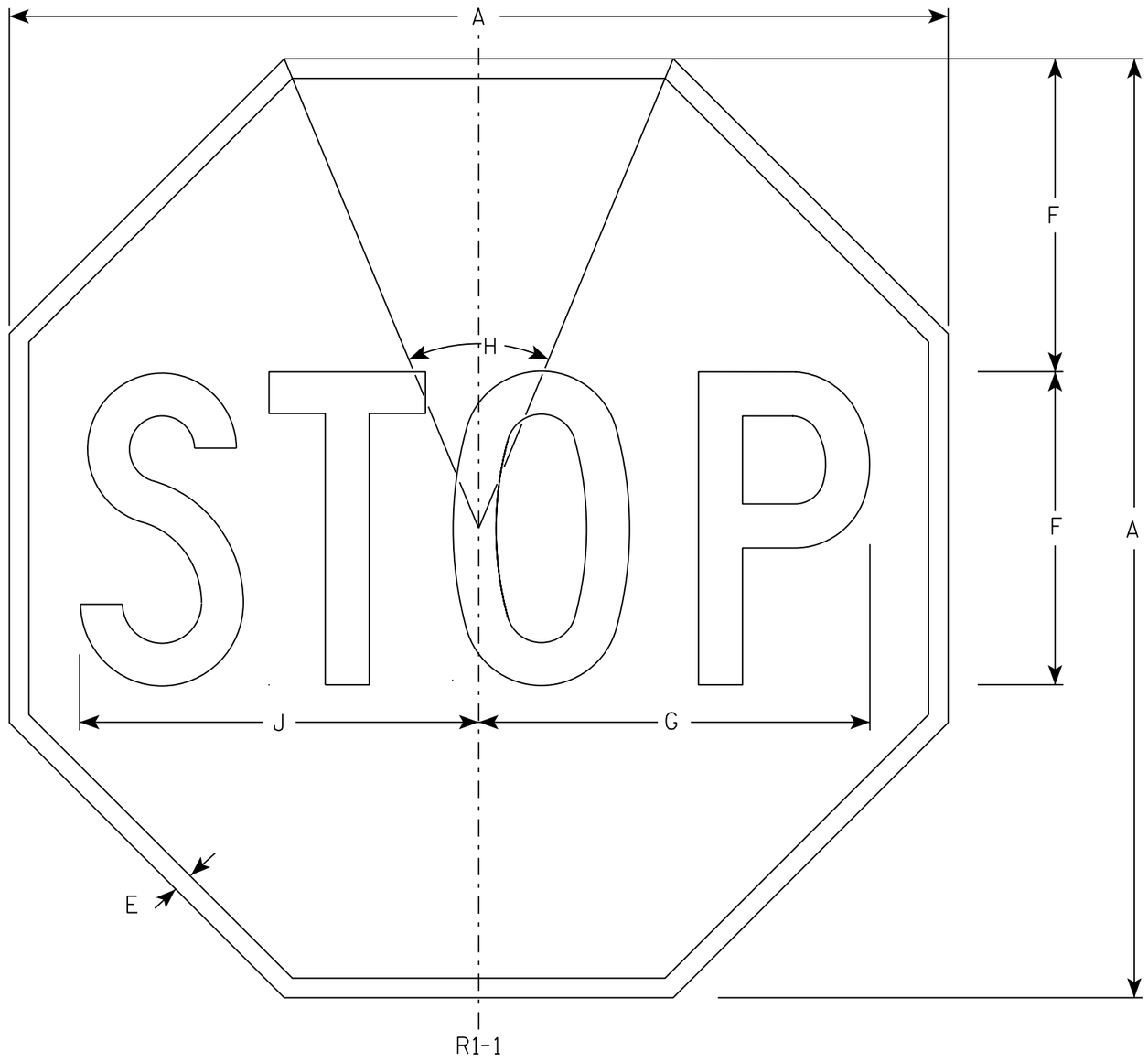
WISCONSIN DEPT OF TRANSPORTATION

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



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

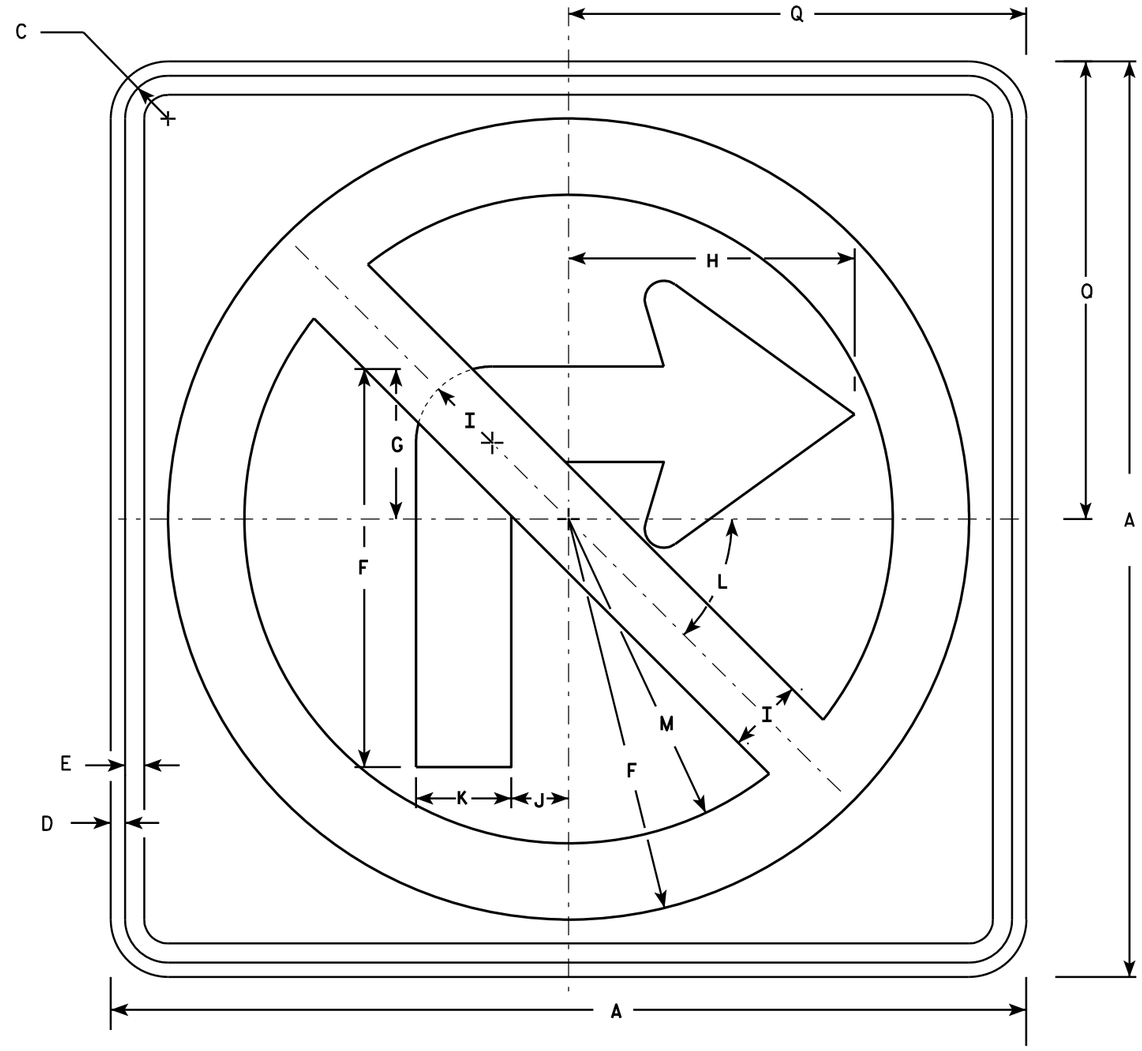
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

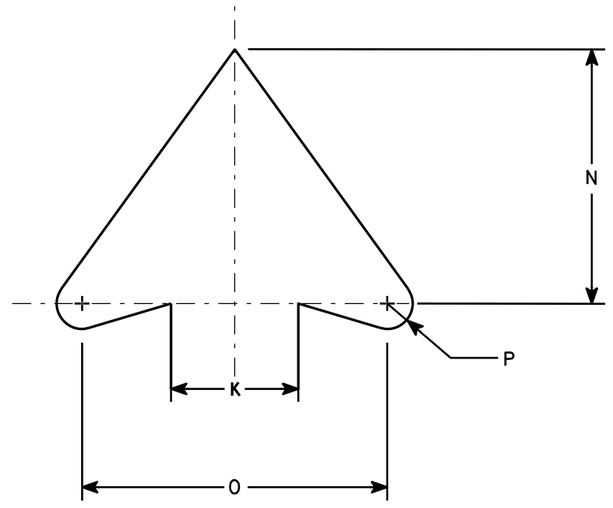
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 520	E



R3-1

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 - 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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

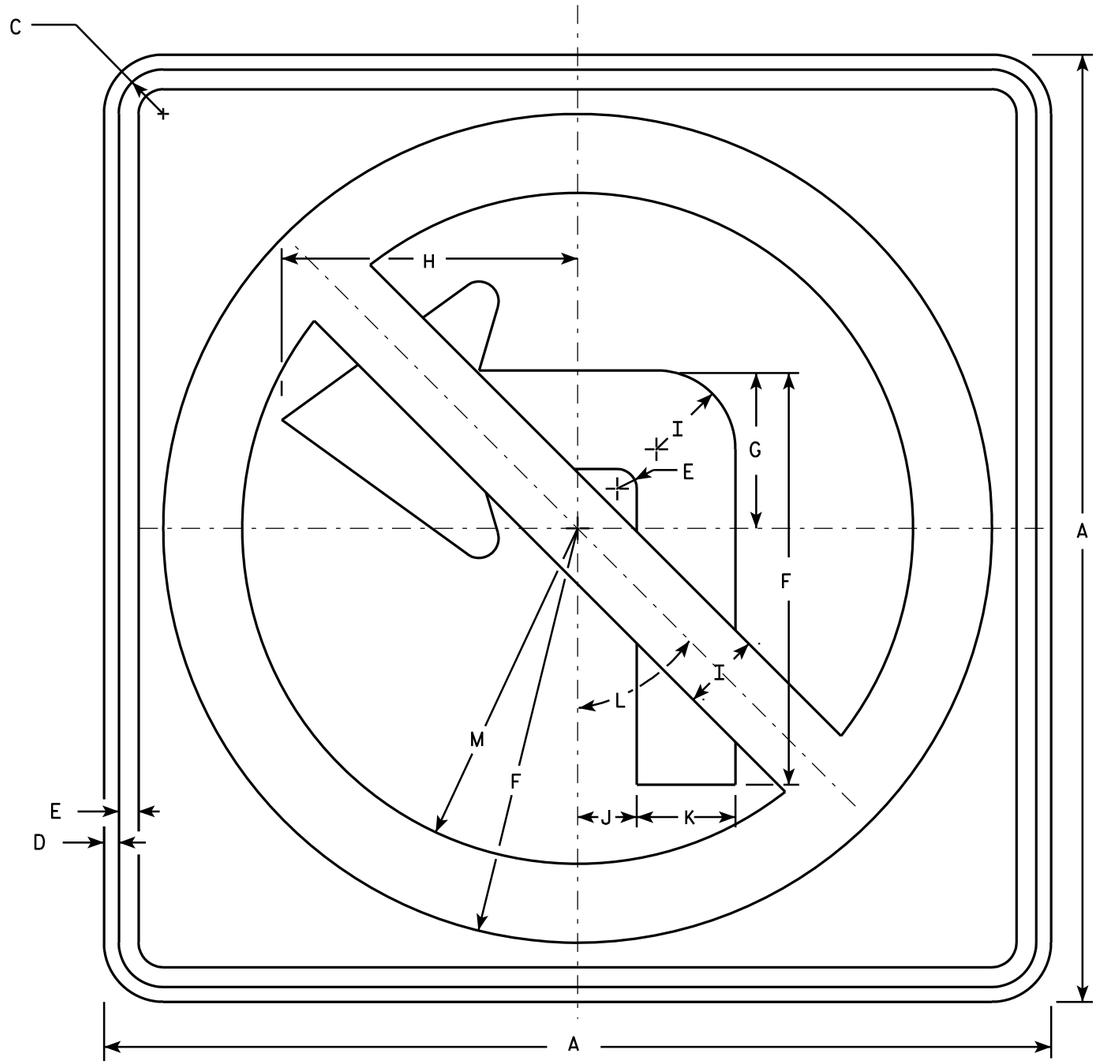
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

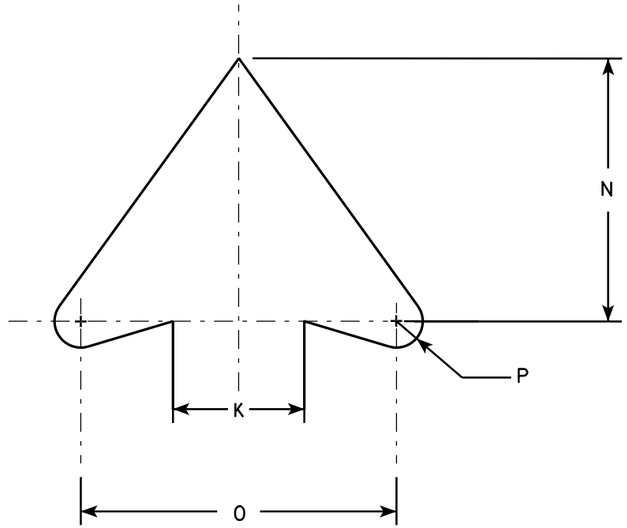
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 521	E



R3-2

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 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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

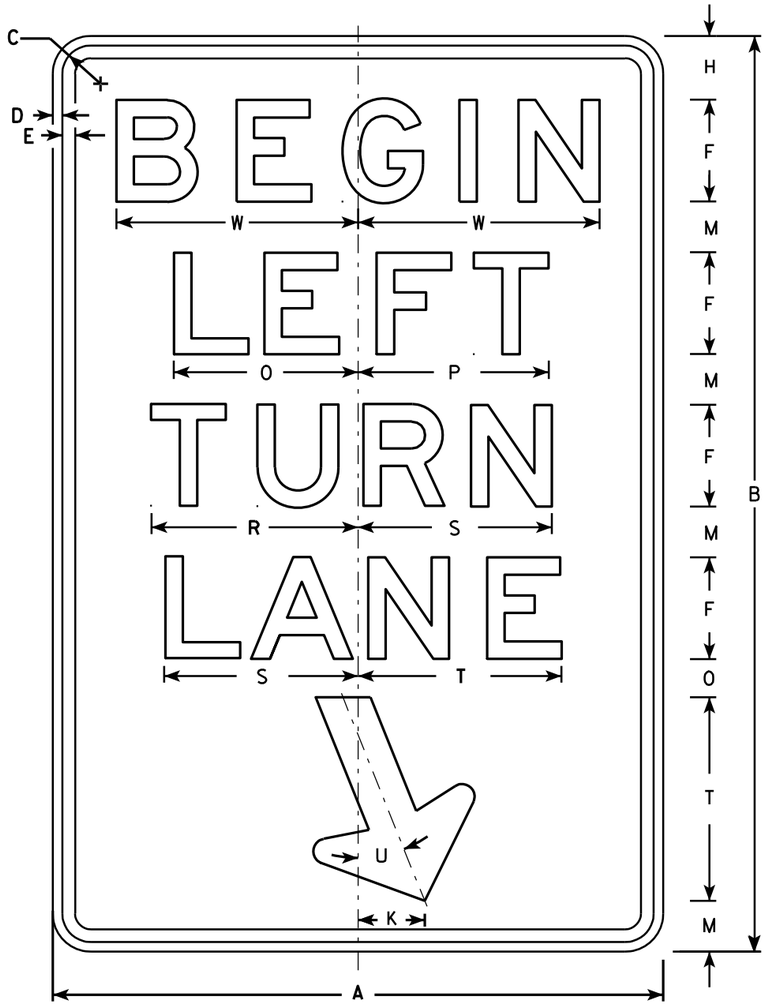
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

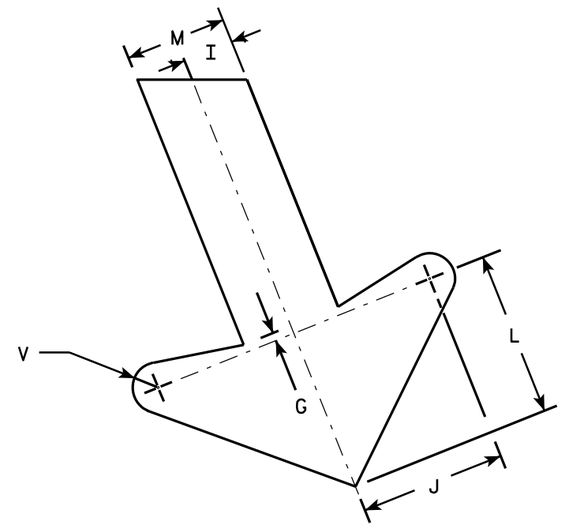
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 522	E



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																											

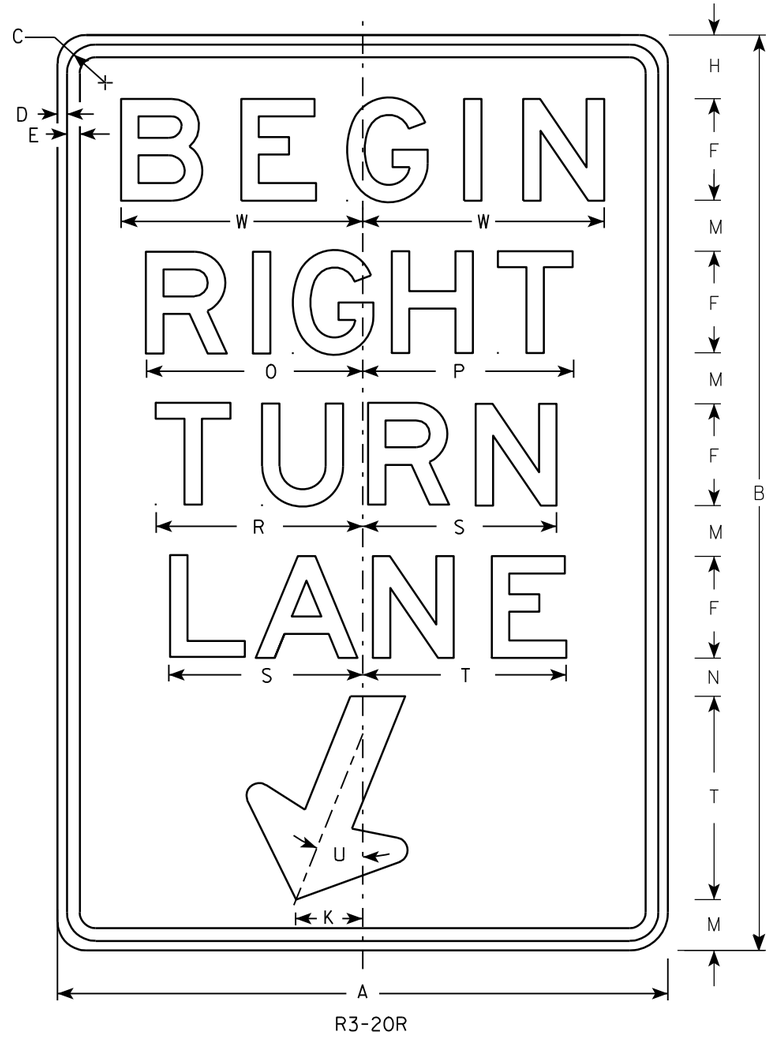
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

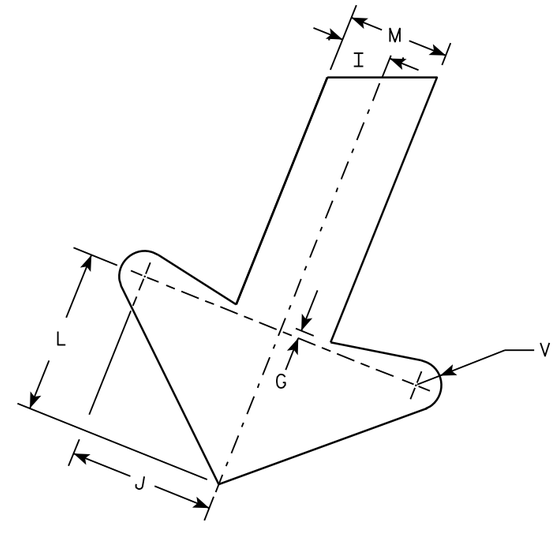
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 523 | E



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

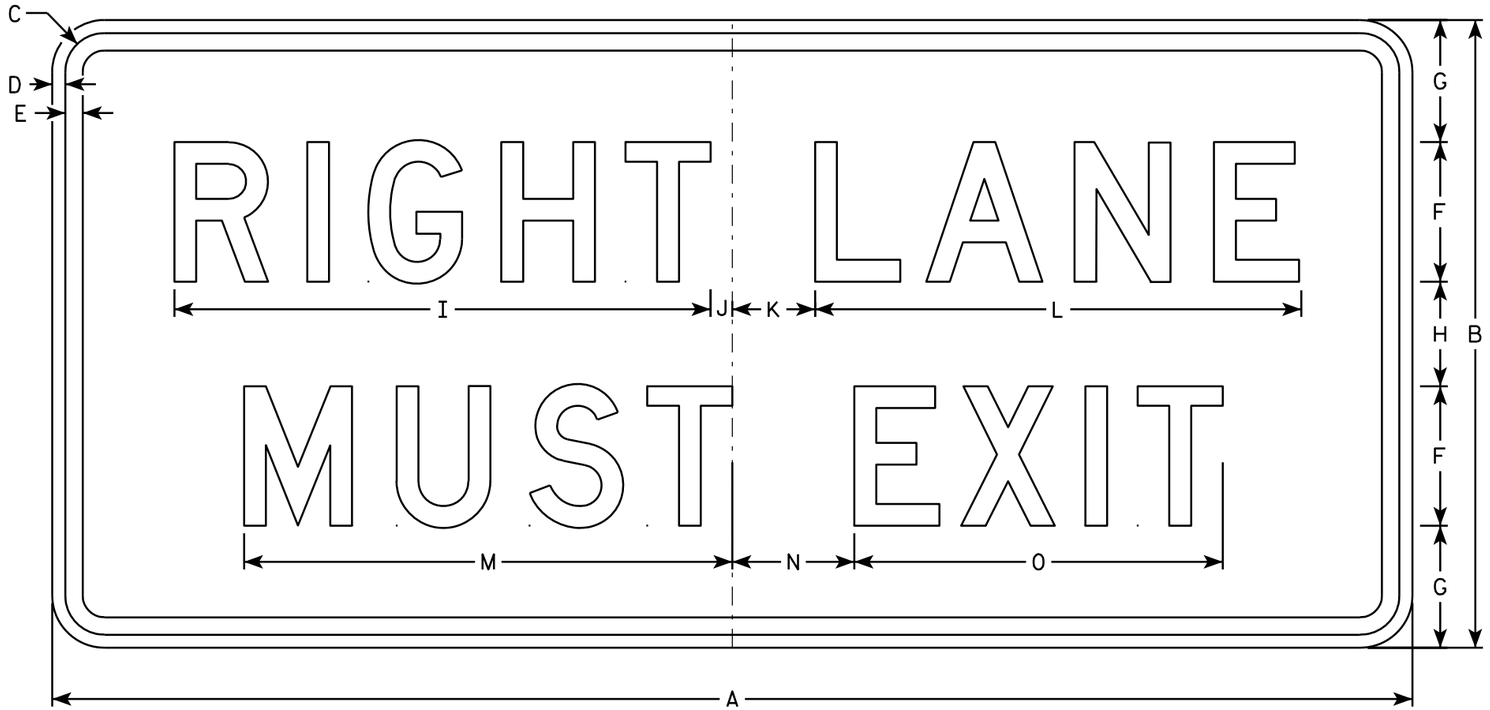
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

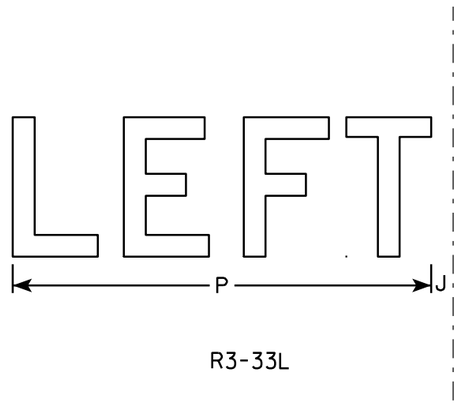
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 524 | E

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.



R3-33R



R3-33L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	78	36	2 1/4	3/4	1	8	7	6	30 3/4	1 1/4	4 3/4	27 7/8	28	7	21 1/8	24											19.5
5	78	36	2 1/4	3/4	1	8	7	6	30 3/4	1 1/4	4 3/4	27 7/8	28	7	21 1/8	24											19.5

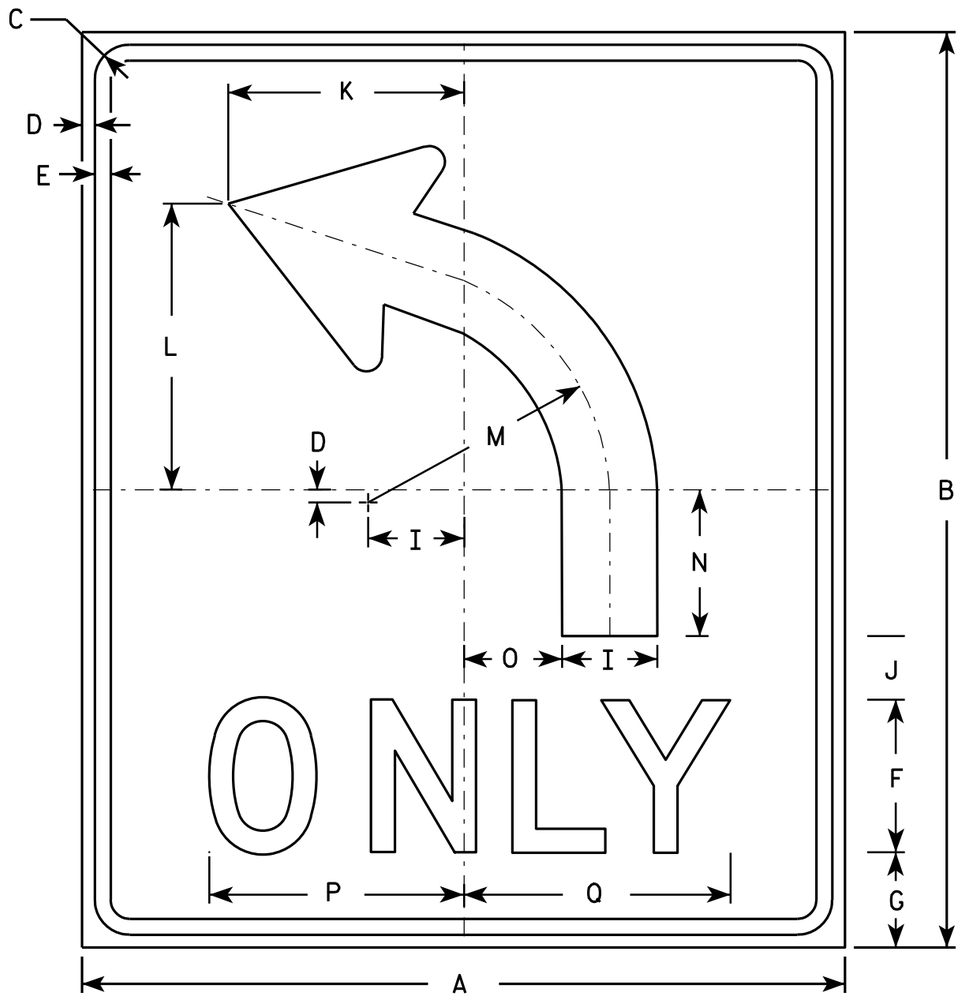
STANDARD SIGN
R3-33

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/7/10 PLATE NO. R3-33.1

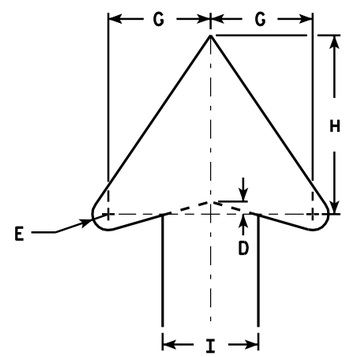
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 525 | E



R3-50L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R3-50R is the same as R3-50L except curved portion of arrow points right.



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	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
3																											
4																											
5																											

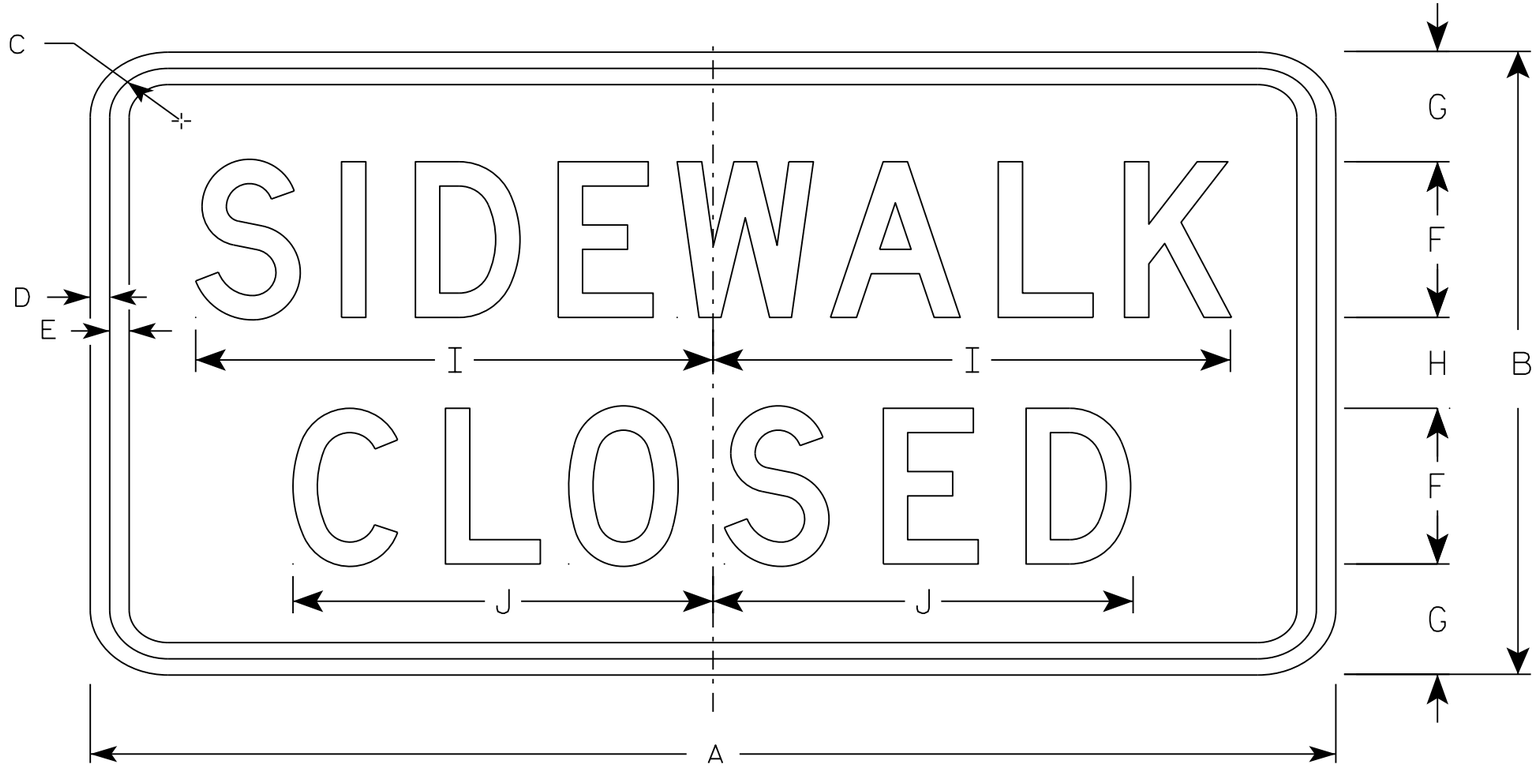
STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 526 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

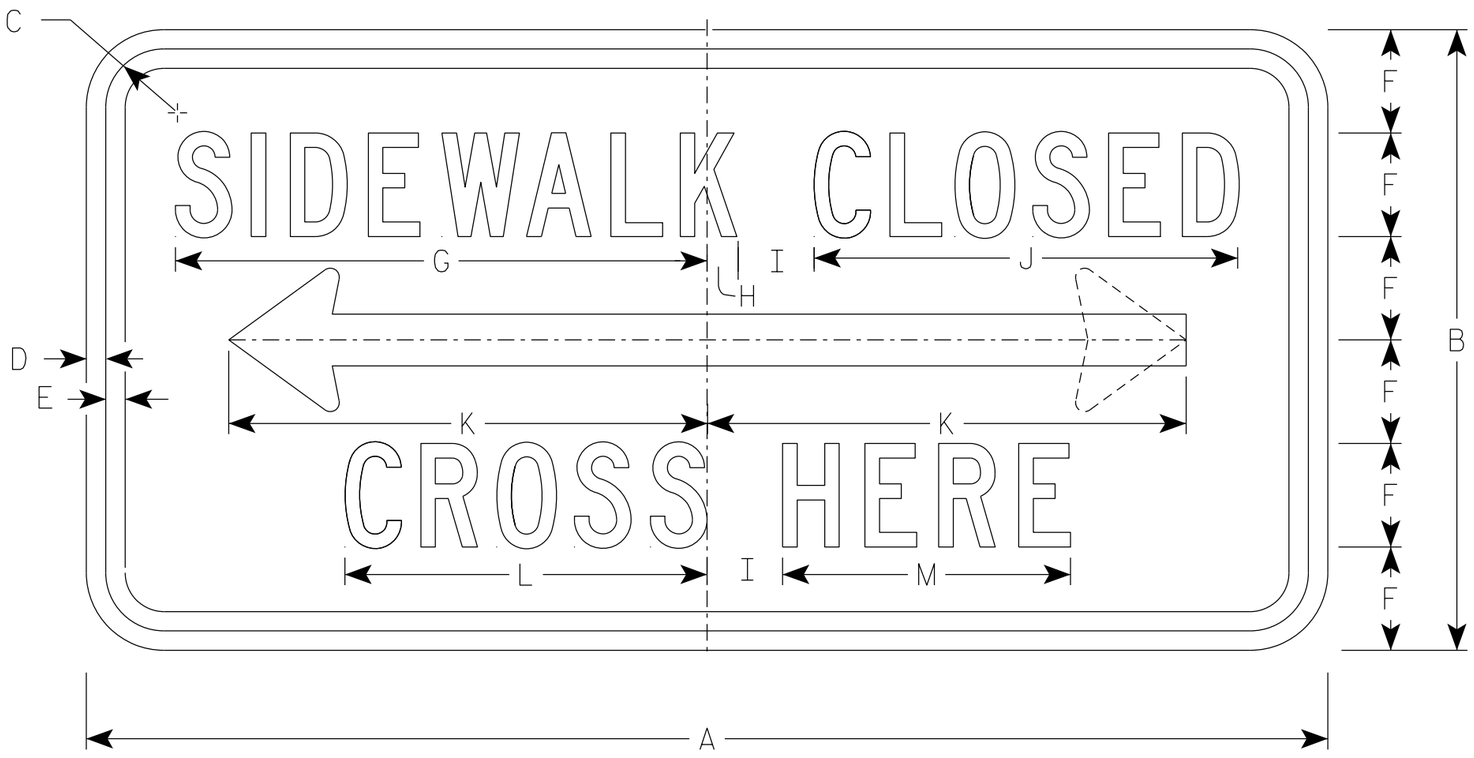
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 527 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

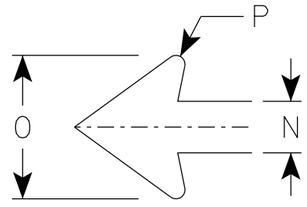
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-11A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.
6. R9-11AD (double arrow)
   R9-11AL (left arrow)
   R9-11AR (right arrow)



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	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

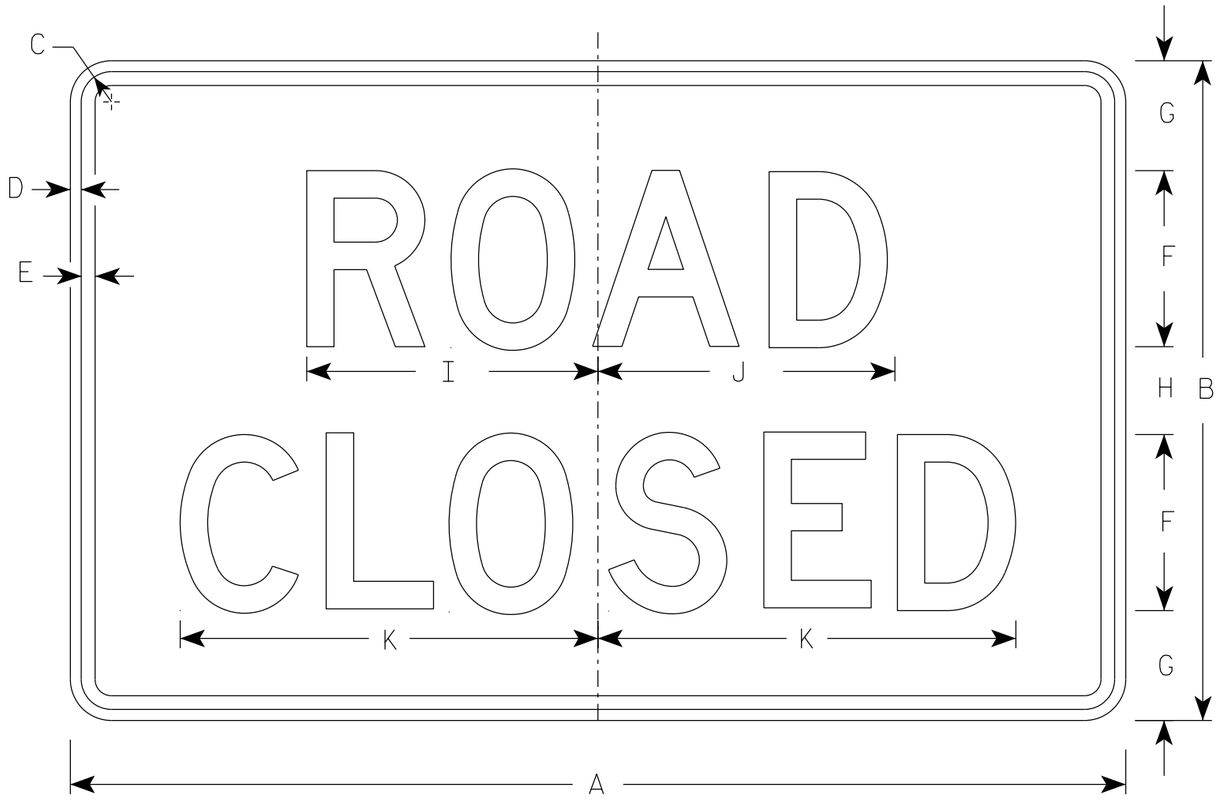
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R9-11A.5

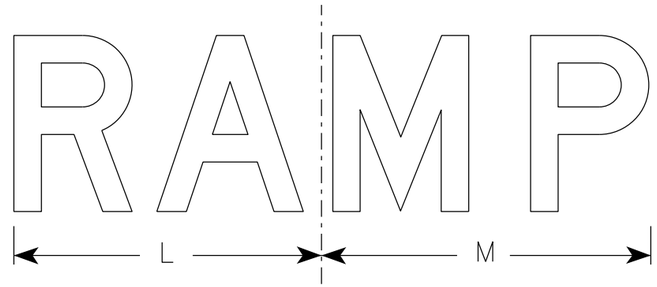
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 528 | E



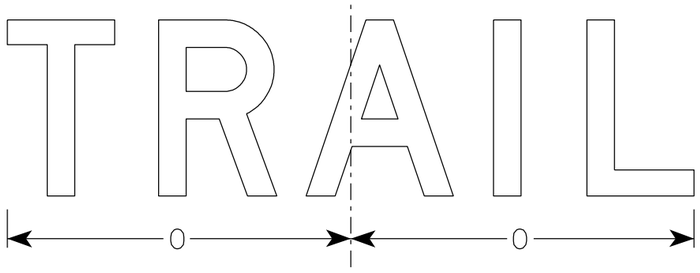
R11-2

NOTES

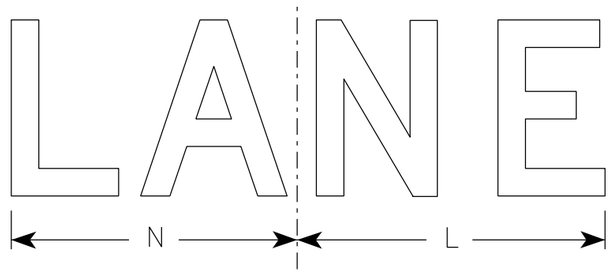
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

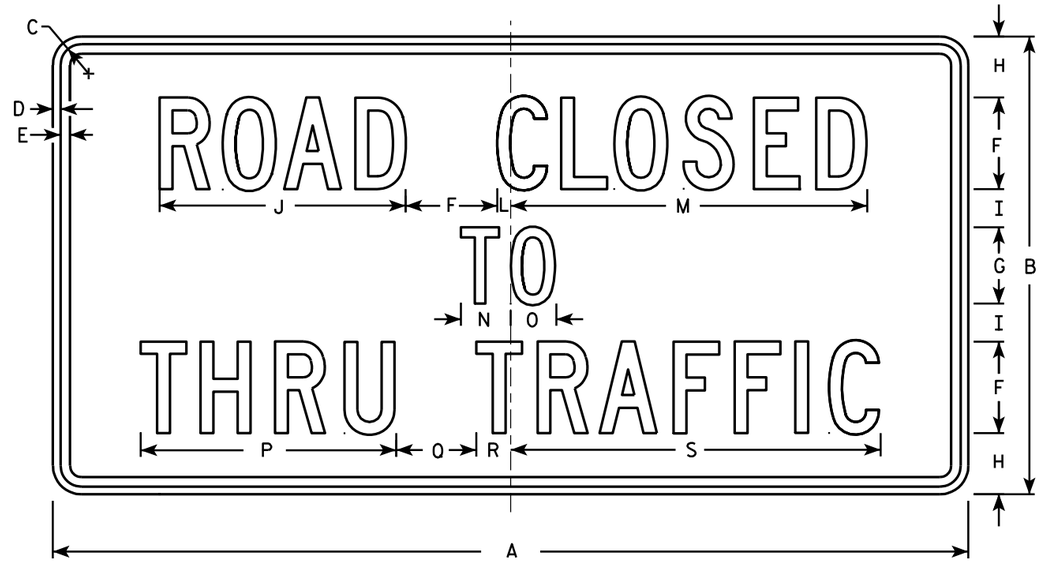
STANDARD SIGN
R11-2

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: 529	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

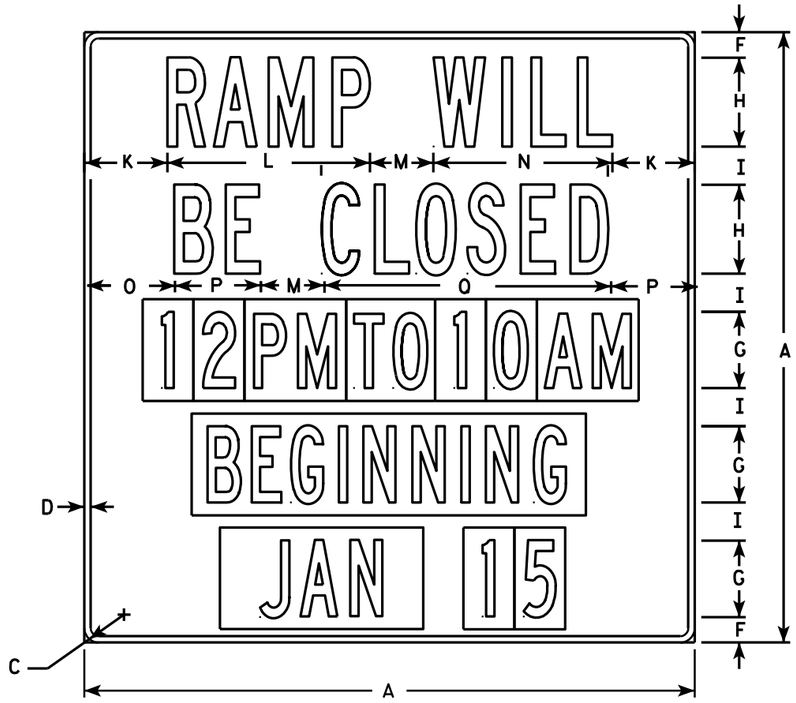
STANDARD SIGN
R11 - 4

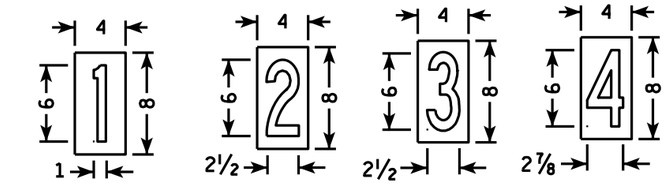
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

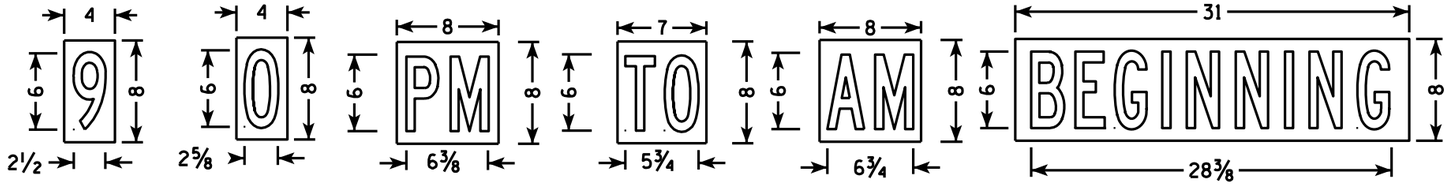
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 530 | E

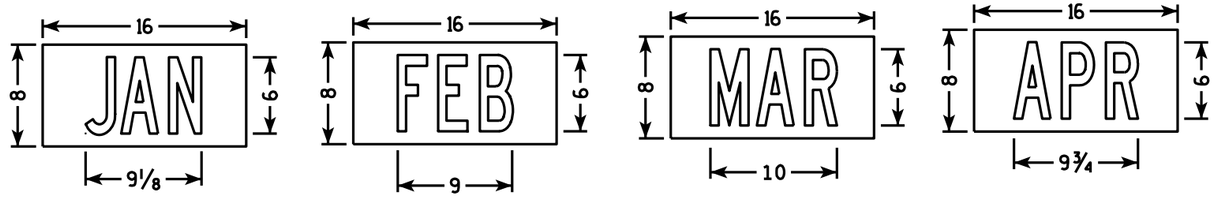


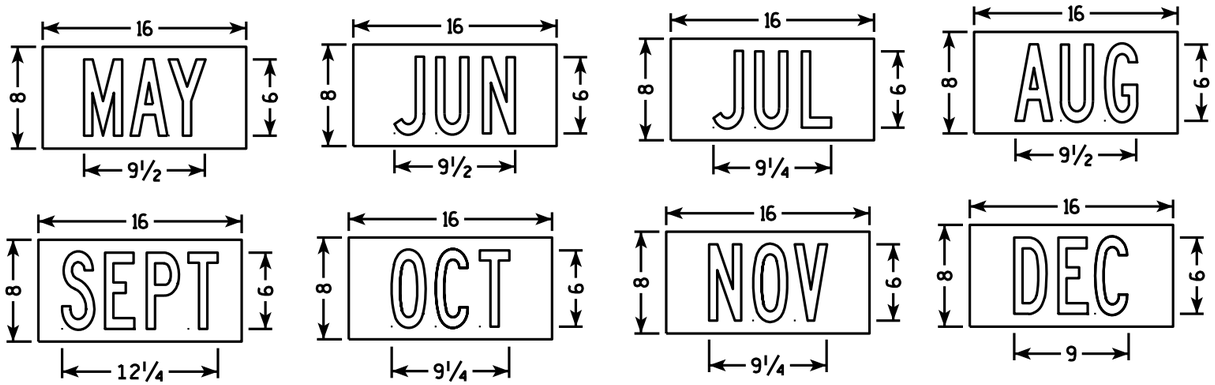


NOTES

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 - B
4. Message plaques consist of Type H Reflective sheeting with the appropriate non-reflective black message applied to .040 aluminum and screwed to the base sign.









SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	1/2		2	6	7	3		6 1/2	15 7/8	5	14 1/8	6 7/8	6 3/4	22 1/2										16.0
2M	48		2 1/4	1/2		2	6	7	3		6 1/2	15 7/8	5	14 1/8	6 7/8	6 3/4	22 1/2										16.0
3																											
4																											
5																											

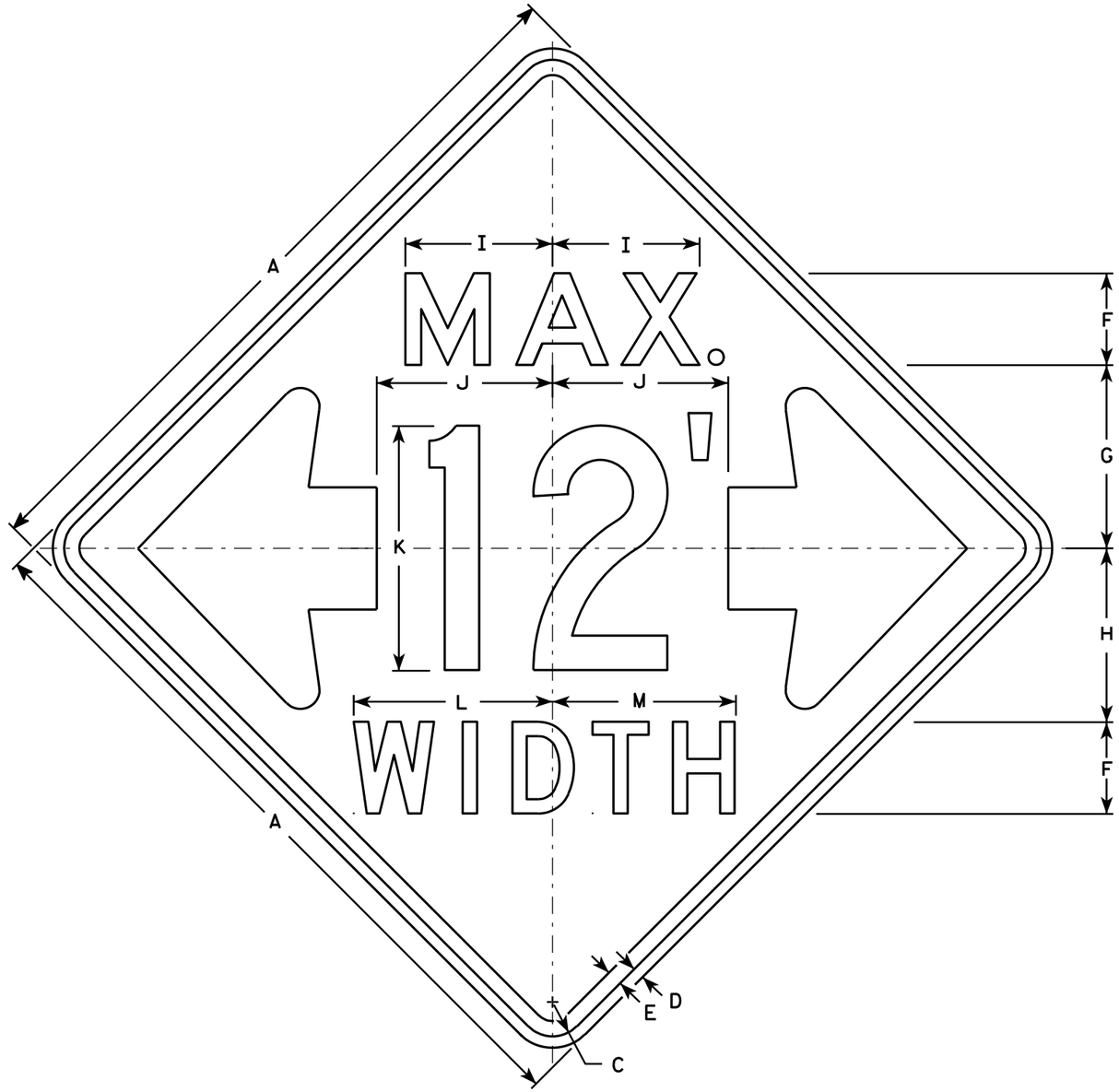
STANDARD SIGN
R11-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-51.4

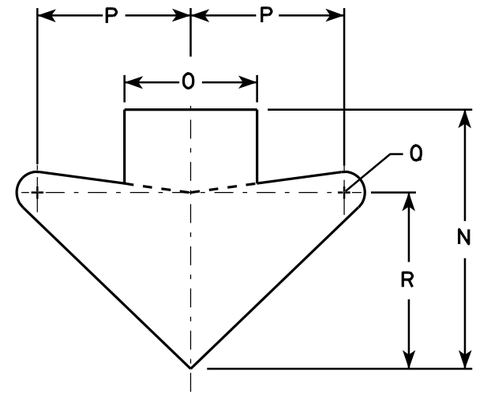
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 531	E



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

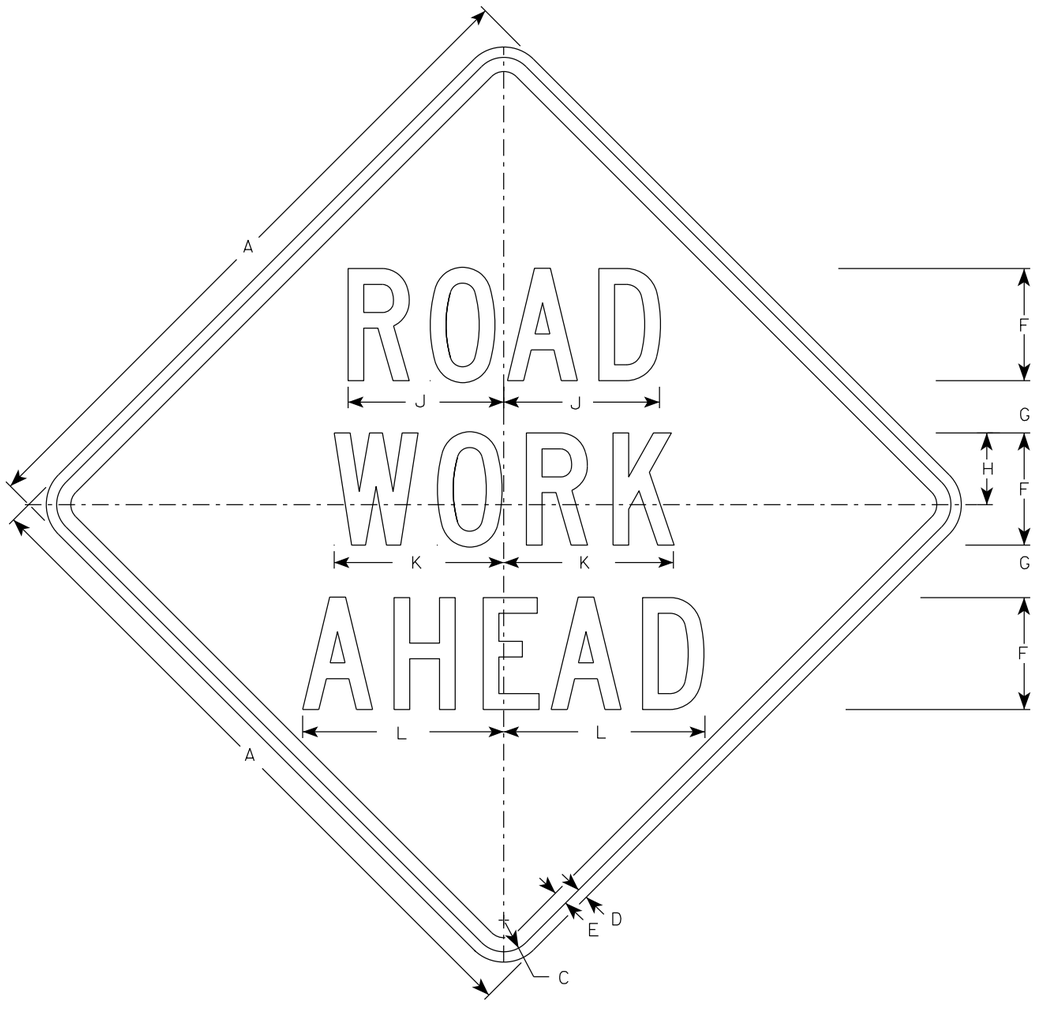
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 532 | E

7

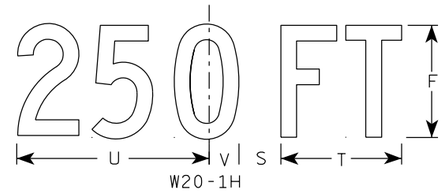
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42

NOTES

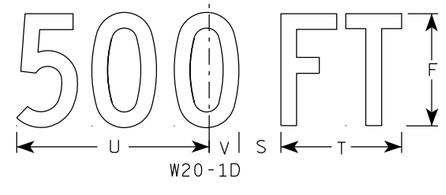
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



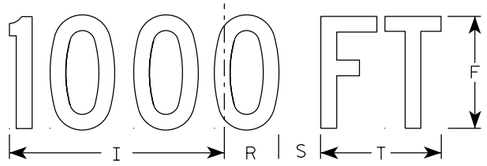
W20-1A



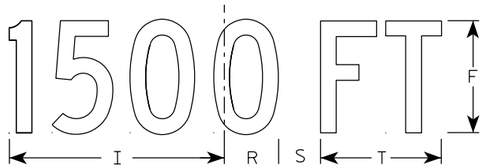
W20-1H



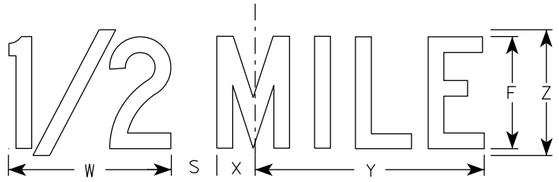
W20-1D



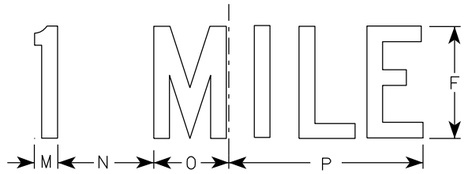
W20-1C



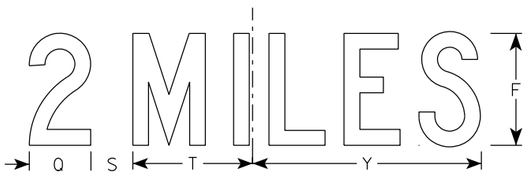
W20-1B



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

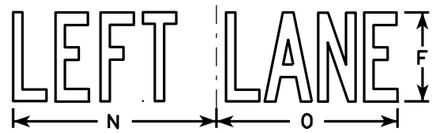
WISDOT/CADDS SHEET 42

7

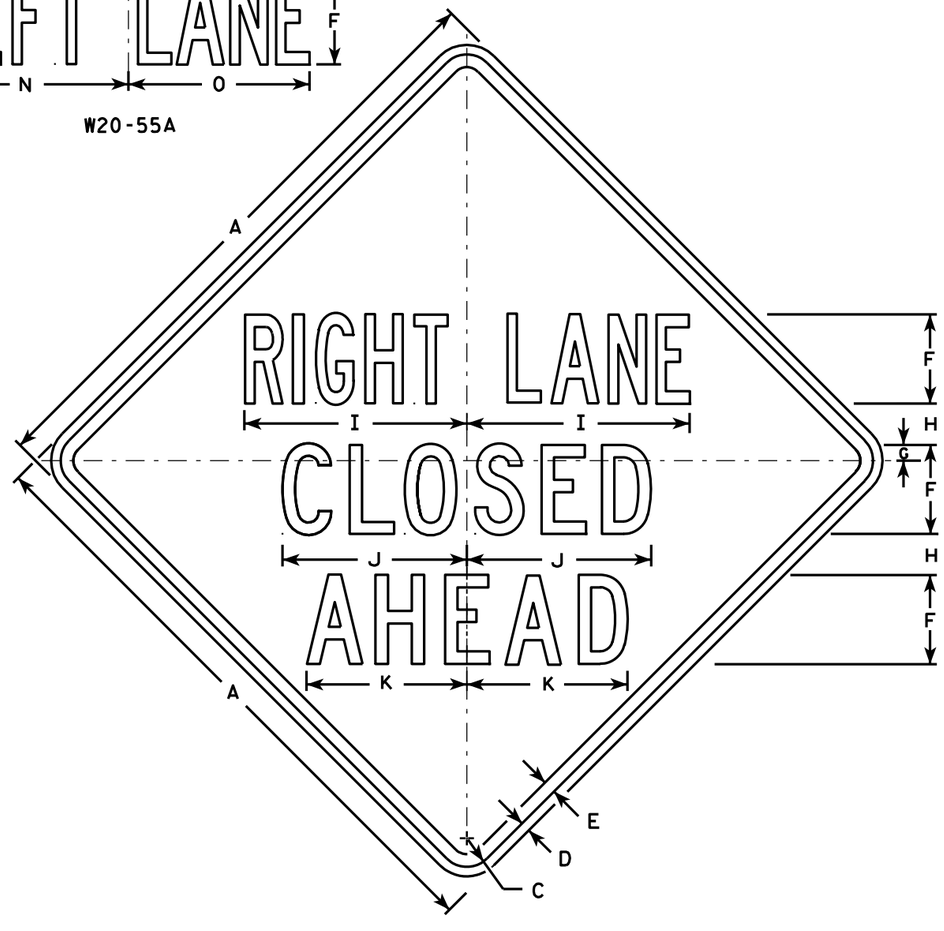
7



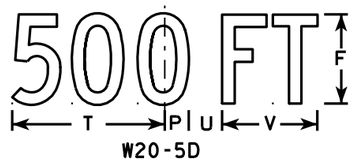
W20-56A



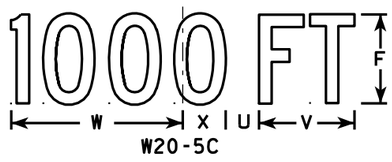
W20-55A



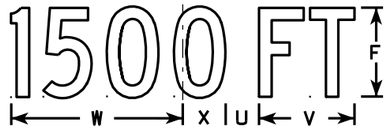
W20-5A



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

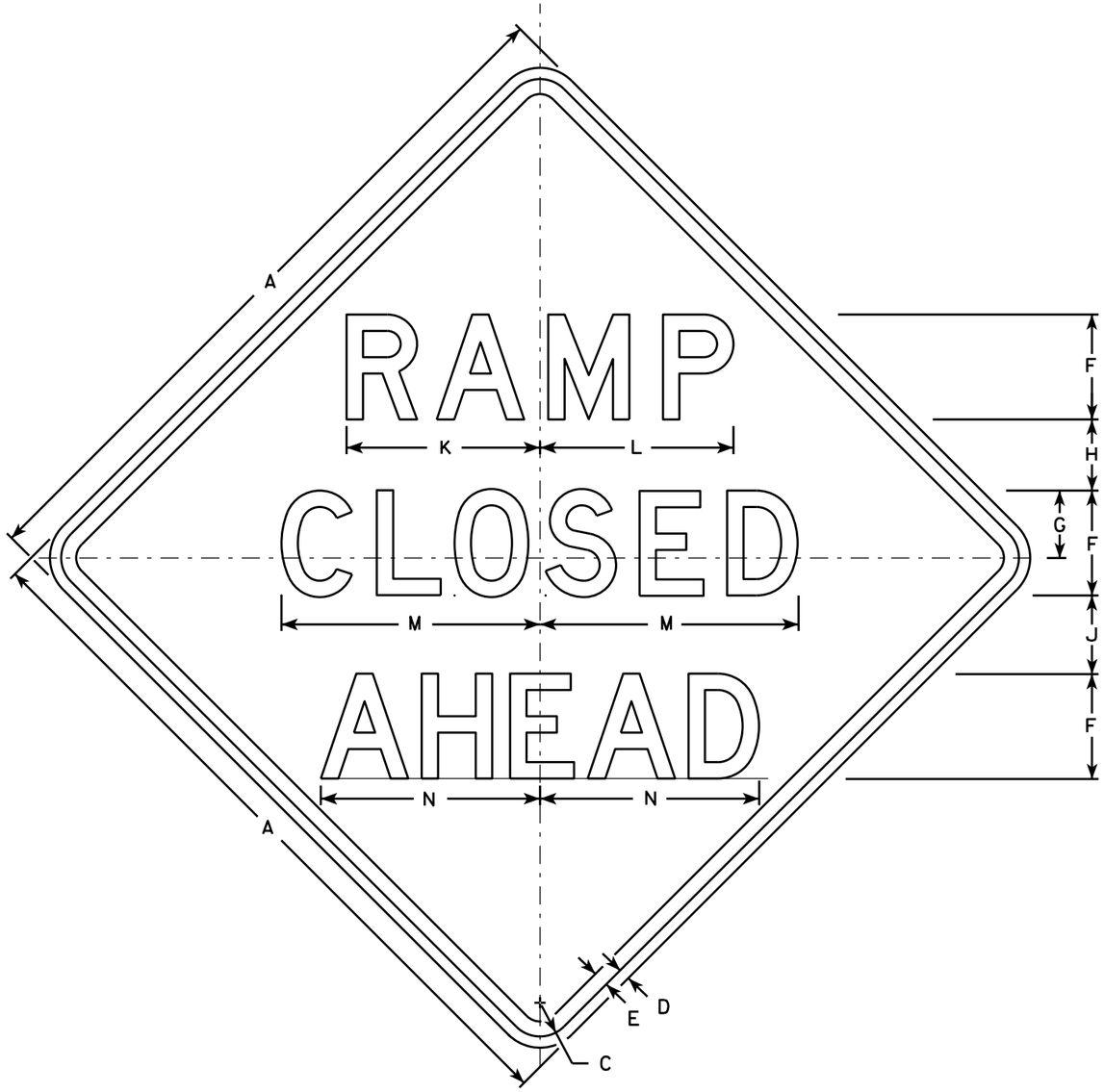
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

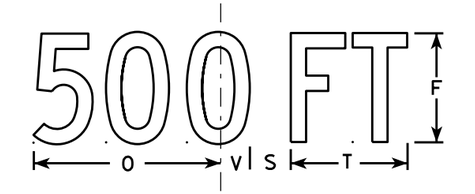
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 534	E

7

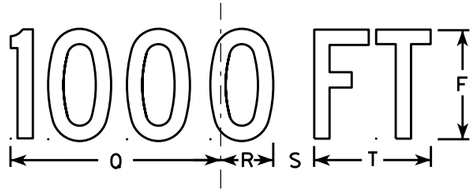
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



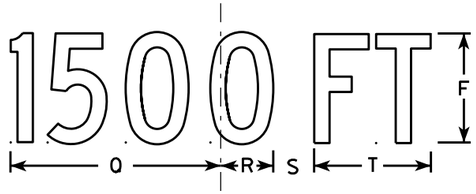
W20-53A



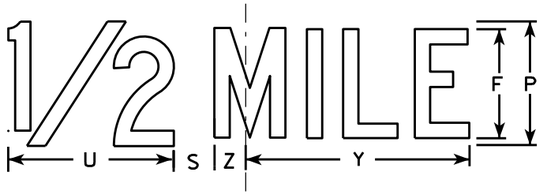
W20-53D



W20-53C



W20-53B



W20-53G



W20-53F

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. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	9 1/4	9 1/4	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-53A,B,C,D,F,G

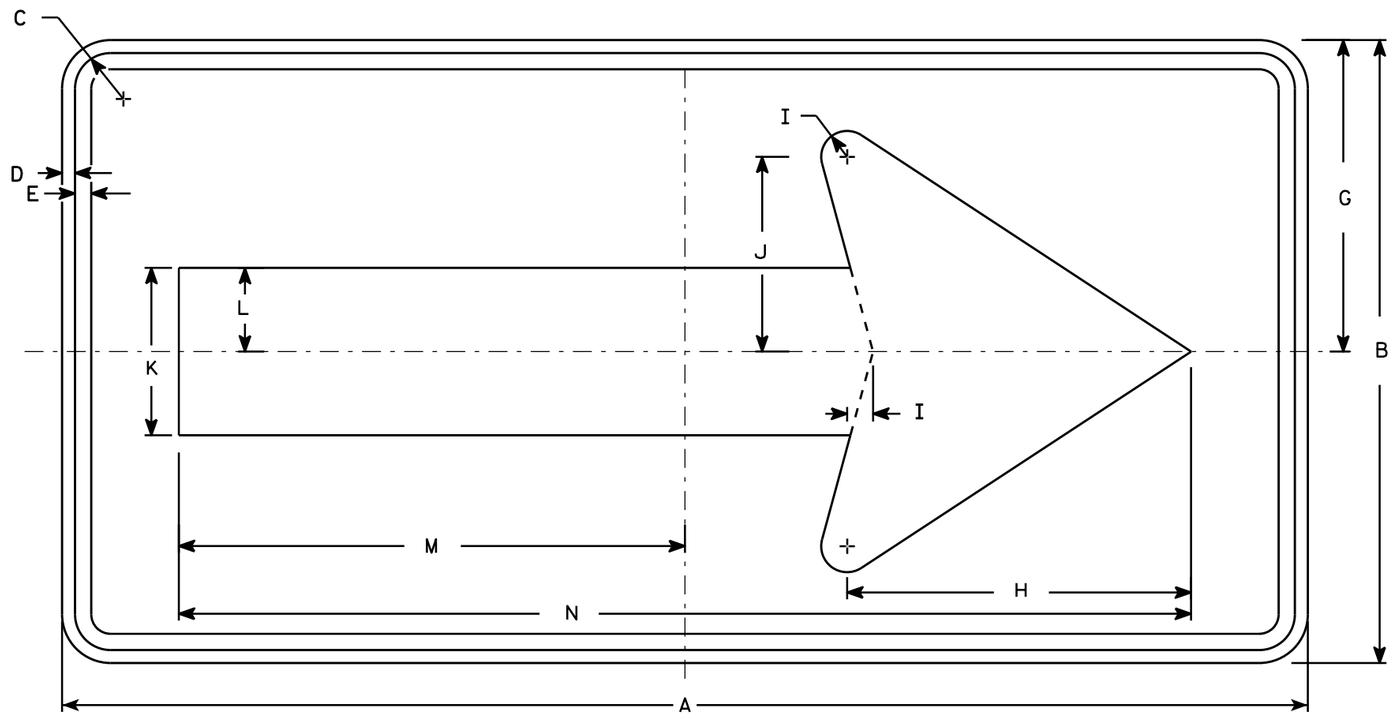
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/27/15 PLATE NO. W20-53.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W2053.DGN PLOT DATE : 27-MAY-2015 19:40 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.729210:1.000000
WISDOT/CADDS SHEET 42



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

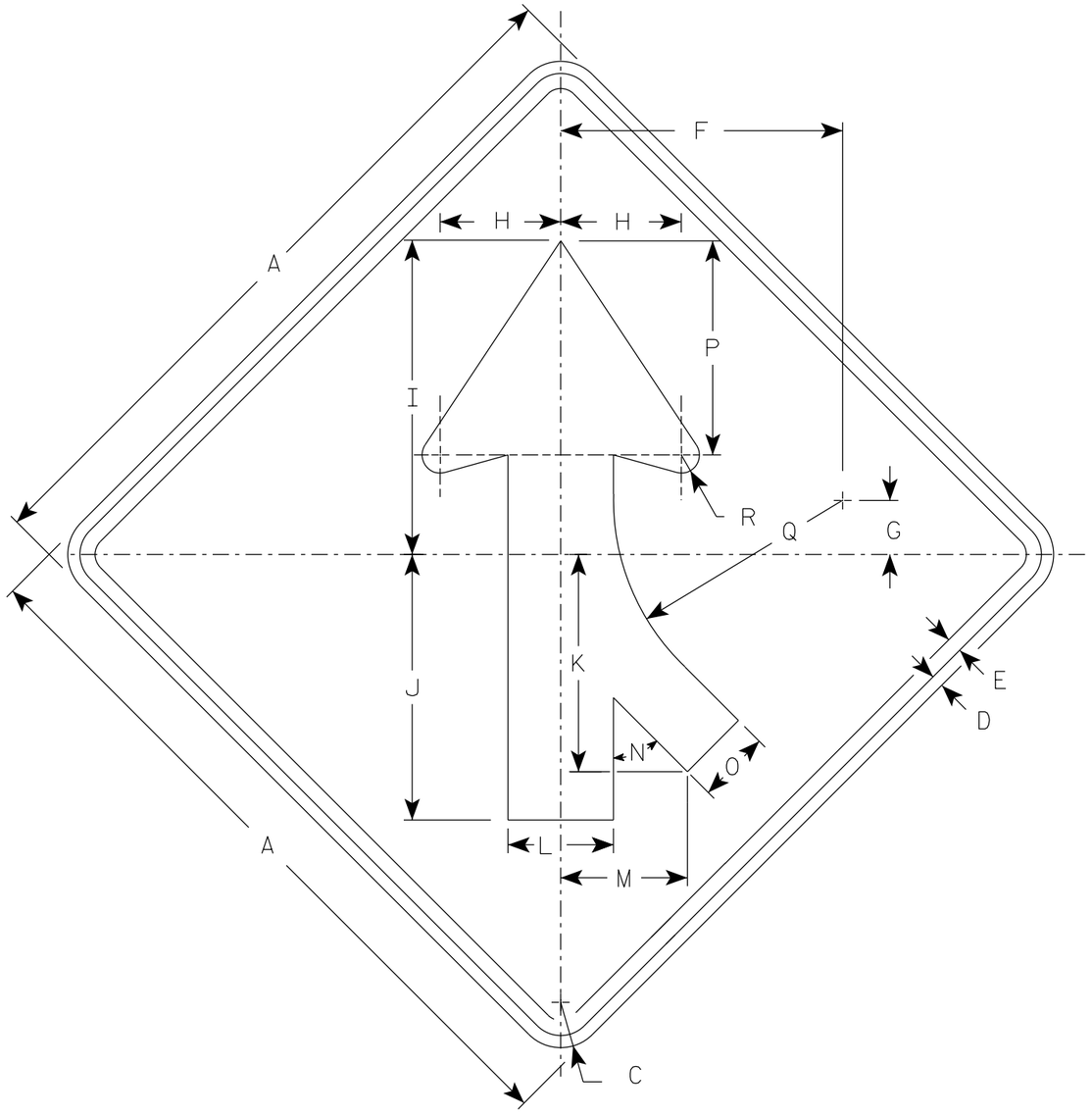
WISCONSIN DEPT OF TRANSPORTATION

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



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

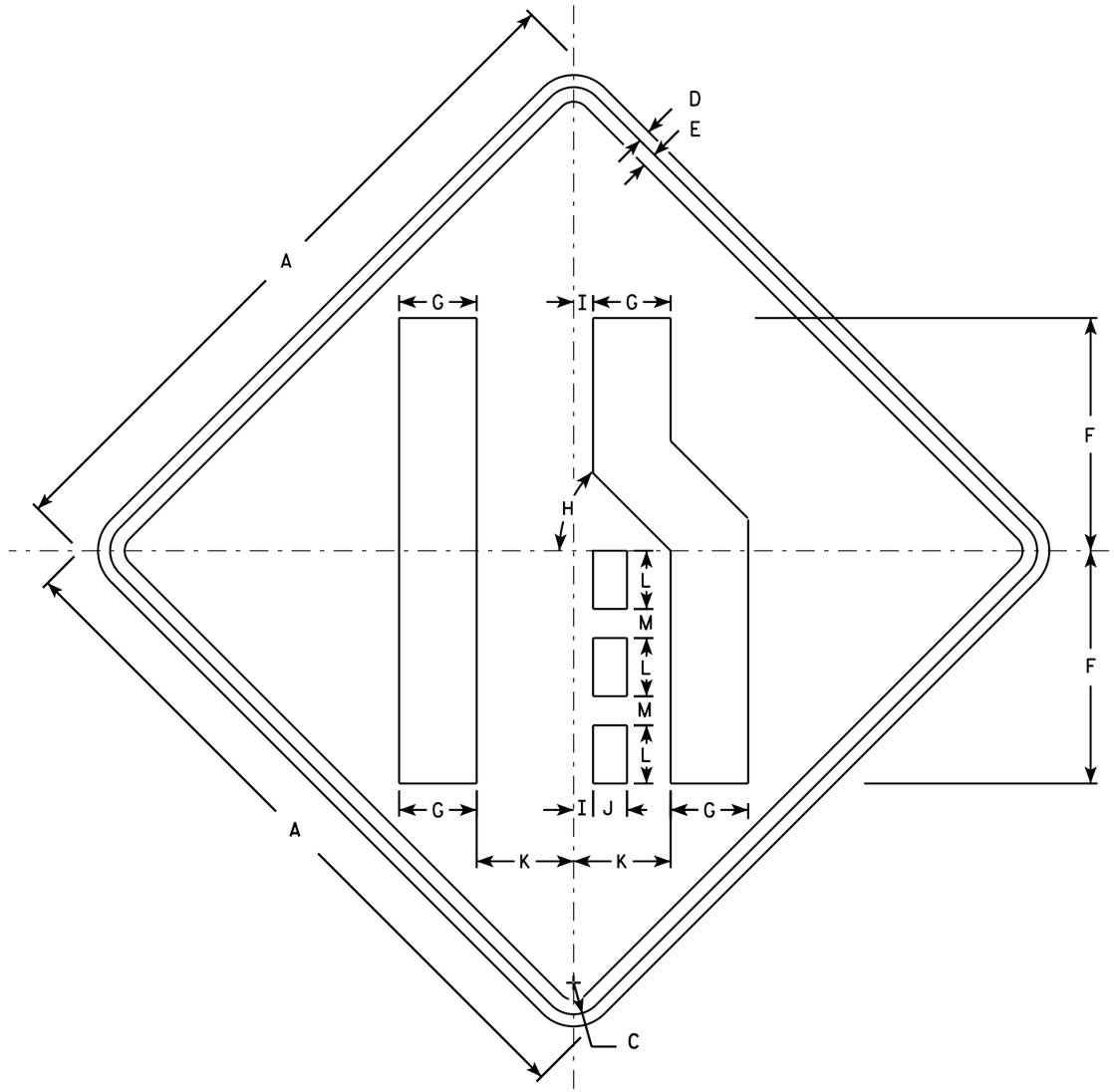
STANDARD SIGN
W04-1

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: 537 | E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

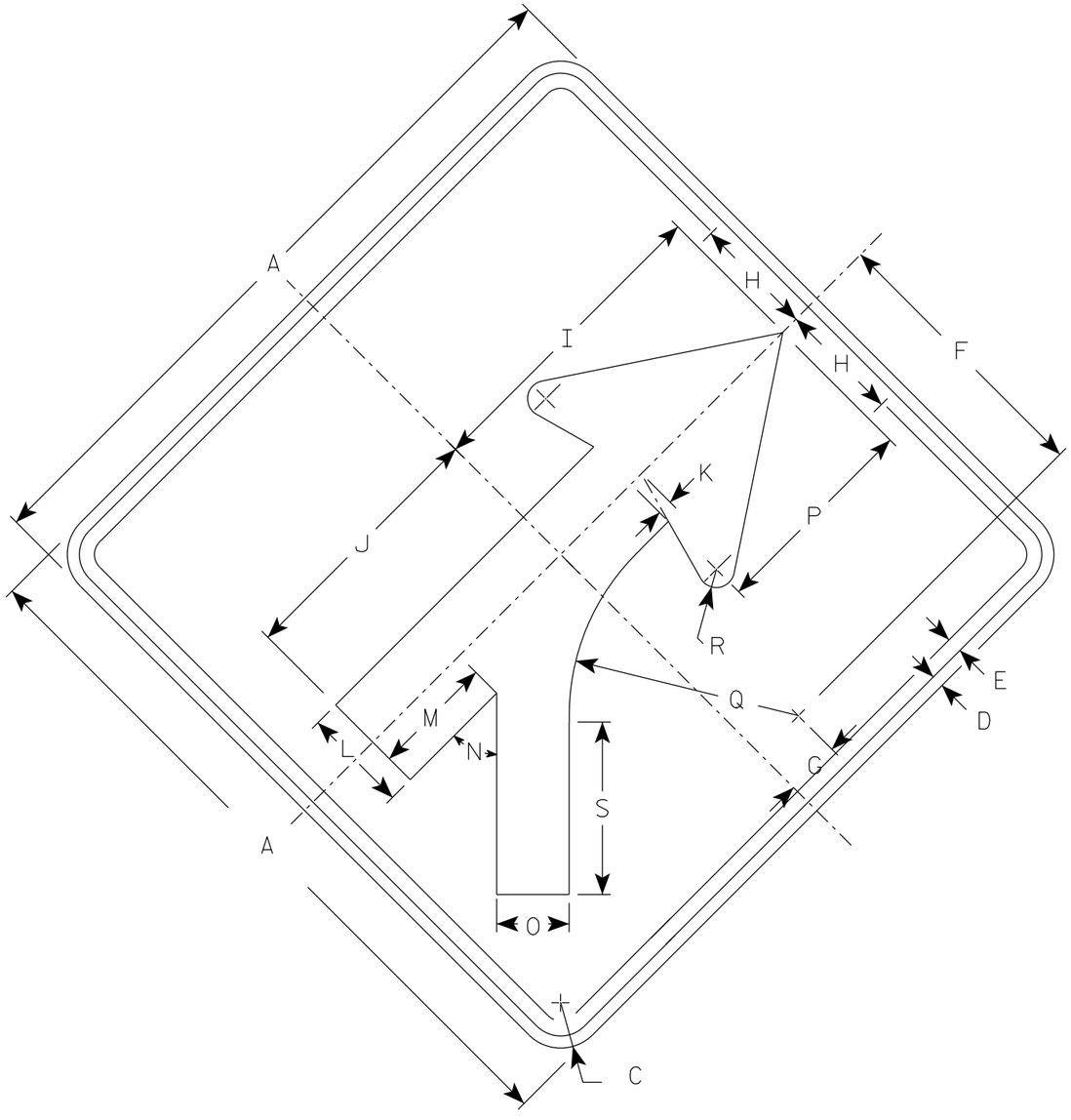
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 538 W04-2.1

PROJECT NO: | SHEET NO: E



W04-5R

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. W04-5L is the same as W04-5R 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	3/4	5 1/4	6 1/8	45°	3 5/8	10 5/8	11 3/8	7/8	8 1/2								9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0

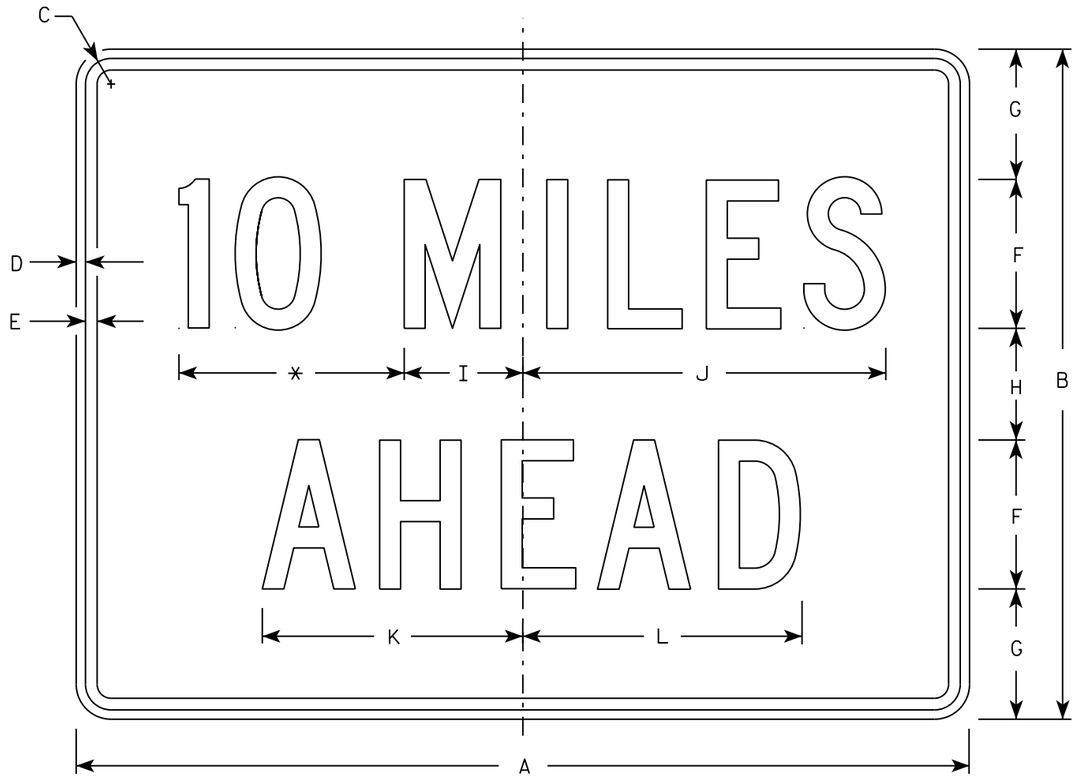
STANDARD SIGN
W04-5

WISCONSIN DEPT OF TRANSPORTATION

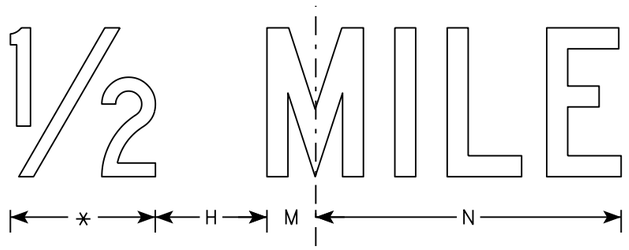
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/06/2021 PLATE NO. W04-5.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 539 | E



W057-52



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. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

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	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 540	E

DIVISION 1 - ALI-11-36-83 BYPASS

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
1142+96	0.00	4.21	0.00	6.62	0	0	0	0	0	0
1143+00	4.00	10.82	0.00	0.24	1	0	1	1	1	0
1143+50	50.00	9.00	0.00	4.08	18	0	4	19	6	13
1144+00	50.00	11.56	0.00	0.16	19	0	4	38	11	27
1144+50	50.00	14.07	0.00	0.27	24	0	0	62	11	51
1145+00	50.00	11.92	0.00	2.59	24	0	3	86	15	71
1145+12	12.00	11.57	0.00	3.97	5	0	1	91	16	75
1145+37	25.00	11.70	0.00	4.55	11	0	4	102	21	81
1145+50	13.00	10.76	0.00	7.92	5	0	3	107	25	82
1145+62	12.00	10.54	0.00	10.59	5	0	4	112	30	82
1146+00	38.00	8.52	0.00	2.74	13	0	9	125	41	84
1146+50	50.00	9.01	0.00	0.17	16	0	3	141	45	96
1146+83	33.00	9.39	0.00	0.31	11	0	0	152	45	107
					152	0	36			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	[CUT - SALVAGED PAVT - (FILL * FILL FACTOR)]

DIVISION 1 - ALI-11-36-83 BYPASS

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
1151+18	0.00	10.65	0.00	0.23	0	0	0	0	0	0
1151+50	32.00	9.08	0.00	0.35	12	0	0	12	0	12
1152+00	50.00	8.24	0.00	2.91	16	0	3	28	4	24
1152+38	38.00	9.14	0.00	3.54	12	0	5	40	10	30
1152+50	12.00	8.72	0.00	3.84	4	0	2	44	13	32
1152+62	12.00	8.26	0.00	4.21	4	0	2	48	15	33
1152+88	26.00	7.17	0.00	2.47	7	0	3	55	19	36
1153+00	12.00	7.09	0.00	2.32	3	0	1	58	20	38
1153+50	50.00	9.22	0.00	0.78	15	0	3	73	24	49
1154+00	50.00	9.43	0.00	1.13	17	0	2	90	26	64
1154+29	29.00	21.22	0.00	1.45	16	0	1	106	28	79
1154+50	21.00	21.15	0.00	1.21	16	0	1	122	29	93
1154+84	34.00	21.86	0.00	0.98	27	0	1	149	30	119
1155+00	16.00	23.35	0.00	0.64	13	0	0	162	30	132
1155+50	50.00	27.19	0.00	0.13	47	0	1	209	31	178
1156+00	50.00	21.53	0.00	1.36	45	0	1	254	33	222
1156+15	15.00	22.60	0.00	1.24	12	0	1	266	34	232
1156+50	35.00	11.74	0.00	1.64	22	0	2	288	36	252
1157+00	50.00	9.86	0.00	0.86	20	0	2	308	39	269
1157+38	38.00	11.11	0.00	0.29	15	0	1	323	40	283
1157+50	12.00	11.68	0.00	0.28	5	0	0	328	40	288
1157+63	13.00	10.80	0.00	0.94	5	0	0	333	40	293
1157+88	25.00	11.45	0.00	1.92	10	0	1	343	41	302
1158+00	12.00	10.45	0.00	1.65	5	0	1	348	43	306
1158+50	50.00	9.17	0.00	0.90	18	0	2	366	45	321
1158+99	49.00	8.06	0.00	0.34	16	0	1	382	46	336
					382	0	37			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	[CUT - SALVAGED PAVT - (FILL * FILL FACTOR)]

DIVISION 1 - ALI-11-36-83 BYPASS

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1169+77	0.00	10.59	0.00	0.18	0	0	0	0	0	0
1170+00	23.00	10.88	0.00	0.22	9	0	0	9	0	9
1170+50	50.00	9.78	0.00	0.83	19	0	1	28	1	27
1170+96	46.00	9.16	0.00	2.45	16	0	3	44	5	39
1171+00	4.00	8.72	0.00	2.56	1	0	0	45	5	40
1171+21	21.00	9.35	0.00	1.53	7	0	2	52	8	45
1171+46	25.00	10.29	0.00	0.63	9	0	1	61	9	52
1171+50	4.00	9.84	0.00	0.81	1	0	0	62	9	53
1172+00	50.00	8.81	0.00	4.30	17	0	5	79	15	64
1172+50	50.00	12.00	0.00	0.08	19	0	4	98	20	78
1172+56	6.00	23.50	0.00	0.56	4	0	0	102	20	82
1173+00	44.00	18.55	0.00	2.02	34	0	2	136	23	114
1173+16	16.00	19.07	0.00	2.04	11	0	1	147	24	123
1173+50	34.00	20.24	0.00	1.73	25	0	2	172	26	146
1174+00	50.00	19.17	0.00	2.24	36	0	4	208	31	177
1174+38	38.00	19.52	0.00	0.82	27	0	2	235	34	201
1174+50	12.00	19.90	0.00	0.63	9	0	0	244	34	210
1174+97	47.00	21.54	0.00	0.31	36	0	1	280	35	245
1175+00	3.00	10.52	0.00	0.25	2	0	0	282	35	247
1175+50	50.00	11.89	0.00	0.20	21	0	0	303	35	268
1176+00	50.00	10.39	0.00	1.91	21	0	2	324	38	287
1176+08	8.00	11.14	0.00	1.28	3	0	0	327	38	290
1176+33	25.00	9.49	0.00	2.05	10	0	2	337	40	297
1176+57	24.00	9.26	0.00	1.83	8	0	2	345	43	303
1177+00	43.00	10.01	0.00	1.31	15	0	2	360	45	315
1177+50	50.00	9.80	0.00	0.26	18	0	1	378	46	332
1177+77	27.00	9.06	0.00	0.22	9	0	0	387	46	341
					387	0	37			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	[CUT - SALVAGED PAVT - (FILL * FILL FACTOR)]

DIVISION 1 - ALI-11-36-83 BYPASS

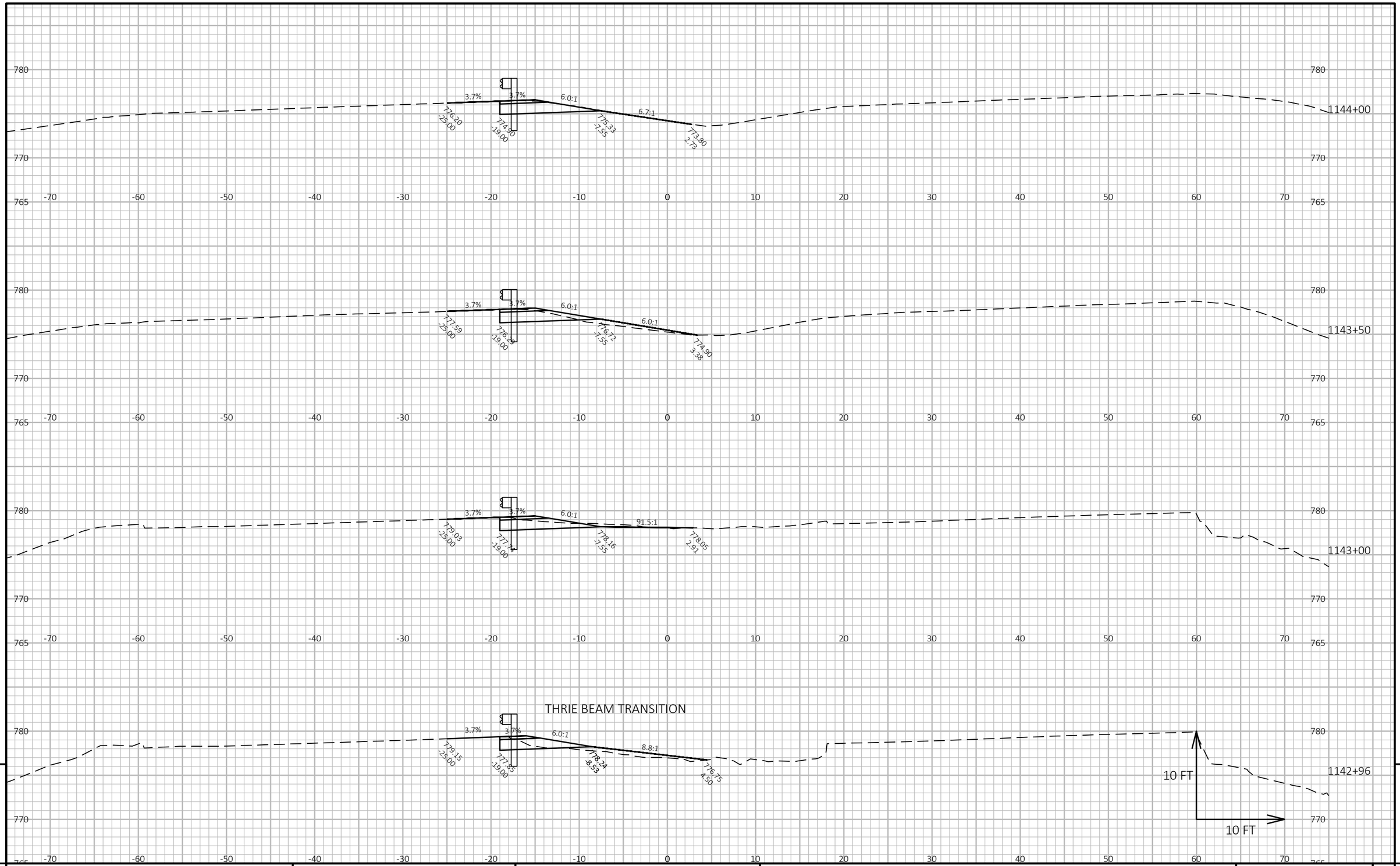
STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
1328+82	0.00	8.50	0.00	1.07	0	0	0	0	0	0
1329+00	18.00	9.09	0.00	0.41	6	0	0	6	0	6
1329+50	50.00	9.40	0.00	0.41	17	0	1	23	1	22
1330+01	51.00	8.32	0.00	3.12	17	0	3	40	5	35
1330+26	25.00	8.03	0.00	1.79	8	0	2	48	8	41
1330+51	25.00	7.43	0.00	0.99	7	0	1	55	9	46
1331+00	49.00	9.95	0.00	0.26	16	0	1	71	10	61
1331+50	50.00	8.42	0.00	0.47	17	0	1	88	11	77
1331+72	22.00	16.10	0.00	1.16	10	0	1	98	13	86
1332+00	28.00	17.29	0.00	0.83	17	0	1	115	14	101
1332+32	32.00	16.55	0.00	1.36	20	0	1	135	15	120
1332+50	18.00	13.55	0.00	3.20	10	0	2	145	18	128
1333+00	50.00	12.43	0.00	4.55	24	0	7	169	26	143
1333+17	17.00	12.62	0.00	4.06	8	0	3	177	30	147
1333+50	33.00	11.47	0.00	5.14	15	0	6	192	38	155
1333+75	25.00	14.94	0.00	2.29	12	0	3	204	41	163
1334+00	25.00	8.71	0.00	2.68	11	0	2	215	44	171
1334+50	50.00	7.85	0.00	3.94	15	0	6	230	51	179
1334+99	49.00	8.37	0.00	2.35	15	0	6	245	59	186
1335+24	25.00	7.07	0.00	6.19	7	0	4	252	64	188
1335+49	25.00	5.50	0.00	10.60	6	0	8	258	74	184
1336+00	51.00	7.66	0.00	1.61	12	0	12	270	89	181
1336+50	50.00	9.24	0.00	0.26	16	0	2	286	91	195
1336+69	19.00	9.01	0.00	0.33	6	0	0	292	91	201
					292	0	73			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	[CUT - SALVAGED PAVT - (FILL * FILL FACTOR)]

DIVISION 1 - ALI-11-36-83 BYPASS

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
1404+62	0.00	8.70	0.00	0.62	0	0	0	0	0	0
1404+84	22.00	7.77	0.00	1.03	7	0	1	7	1	6
1405+00	16.00	7.80	0.00	4.27	5	0	2	12	4	8
1405+09	9.00	7.39	0.00	6.23	3	0	2	15	6	9
1405+50	41.00	9.55	0.00	1.26	13	0	6	28	14	14
1406+00	50.00	7.23	0.00	6.33	16	0	7	44	23	22
1406+50	50.00	6.71	0.00	16.05	13	0	21	57	49	8
1407+00	50.00	6.95	0.00	9.13	13	0	23	70	78	-8
1407+50	50.00	7.58	0.00	6.80	13	0	15	83	96	-13
1408+00	50.00	16.06	0.00	3.81	22	0	10	105	109	-4
1408+50	50.00	15.35	0.00	2.43	29	0	6	134	116	18
1409+00	50.00	17.65	0.00	2.33	31	0	4	165	121	44
1409+50	50.00	14.36	0.00	1.46	30	0	4	195	126	69
1410+00	50.00	15.45	0.00	1.33	28	0	3	223	130	93
1410+50	50.00	17.52	0.00	0.42	31	0	2	254	133	122
1411+00	50.00	16.94	0.00	0.59	32	0	1	286	134	152
1411+50	50.00	22.58	0.00	0.32	37	0	1	323	135	188
1412+00	50.00	26.65	0.00	0.22	46	0	1	369	136	233
1412+50	50.00	29.45	0.00	0.24	52	0	0	421	136	285
1413+00	50.00	28.34	0.00	0.20	54	0	0	475	136	339
1413+50	50.00	31.47	0.00	0.33	55	0	0	530	136	394
1413+82	32.00	30.20	0.00	0.21	37	0	0	567	136	431
1414+00	18.00	30.46	0.00	0.03	20	0	0	587	136	451
1414+07	7.00	28.04	0.00	0.08	8	0	0	595	136	459
1414+32	25.00	31.61	0.00	0.09	28	0	0	623	136	487
1414+50	18.00	29.69	0.00	1.21	20	0	0	643	136	507
1415+00	50.00	22.10	0.00	0.55	48	0	2	691	139	552
1415+50	50.00	21.07	0.00	0.05	40	0	1	731	140	591
					731	0	112			

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	[CUT - SALVAGED PAVT - (FILL * FILL FACTOR)]



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 546 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG1

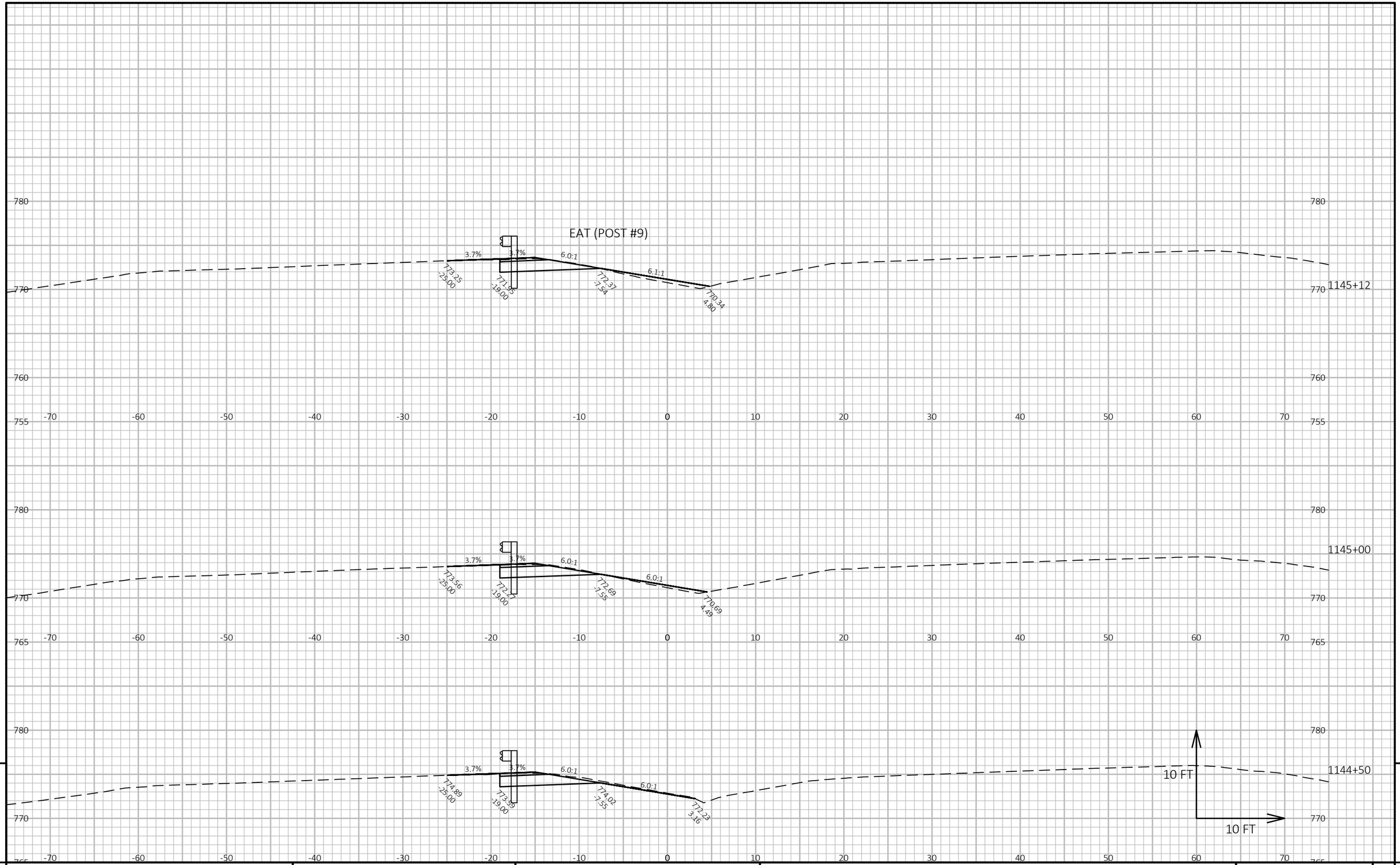
PLOT DATE : 2/25/2022 3:23 PM

PLOT BY : JOHNSON, ZACHARY

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

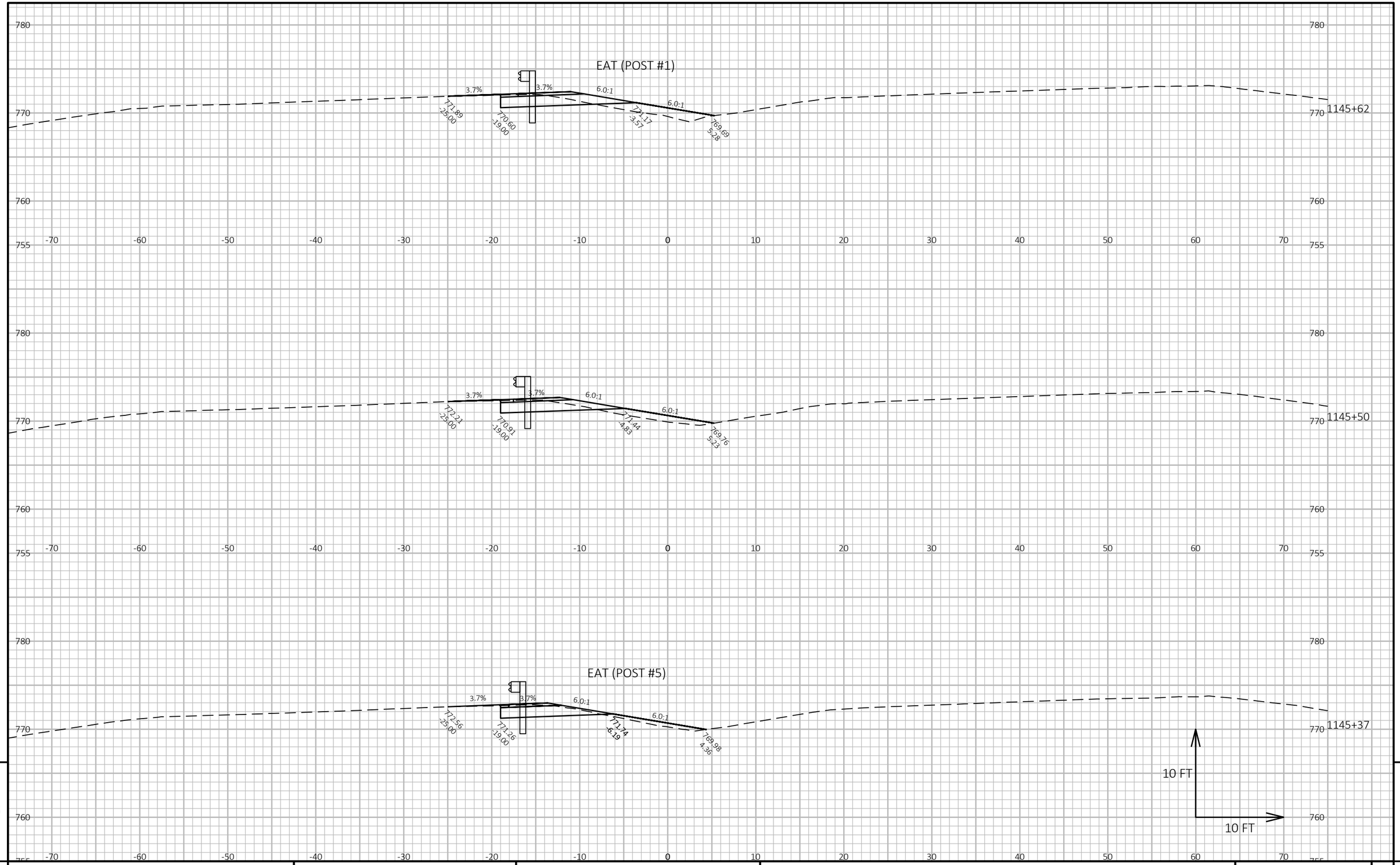
9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 547	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG2

PLOT DATE : 2/25/2022 3:23 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

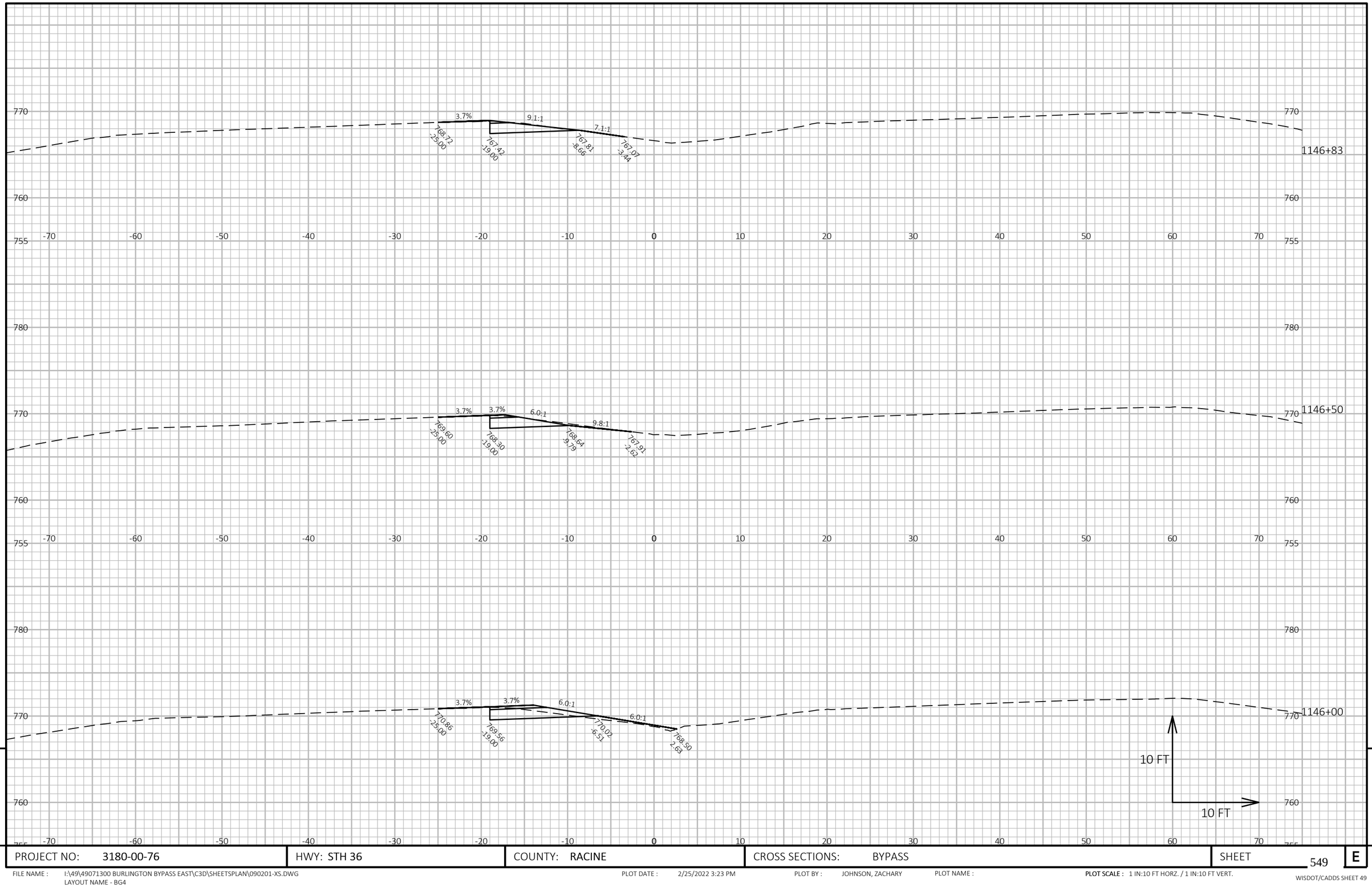
9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 548	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG3

PLOT DATE : 2/25/2022 3:23 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

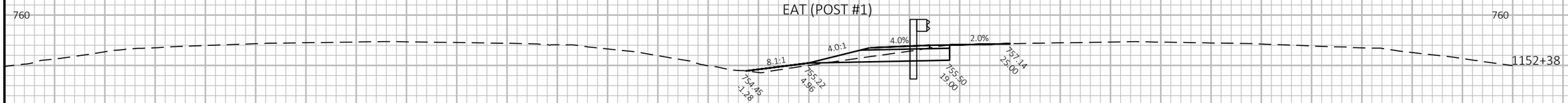
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 549	E

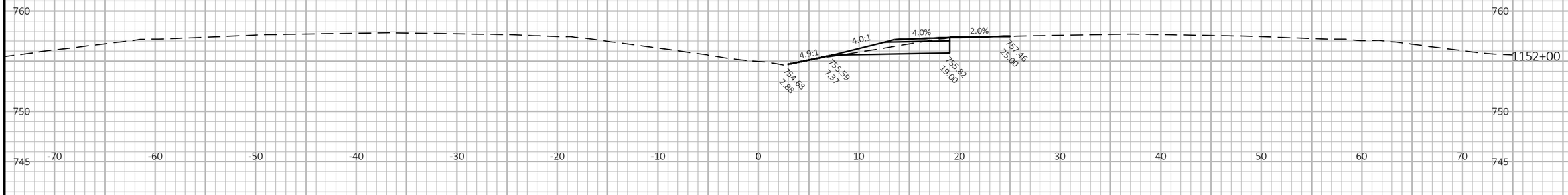
FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG4

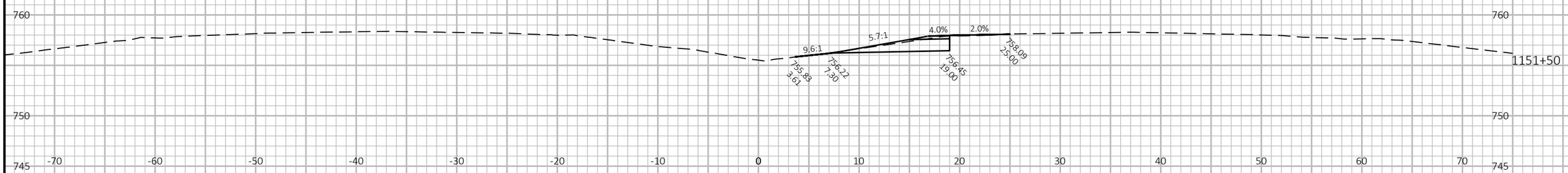
PLOT DATE : 2/25/2022 3:23 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

EAT (POST #1)







9

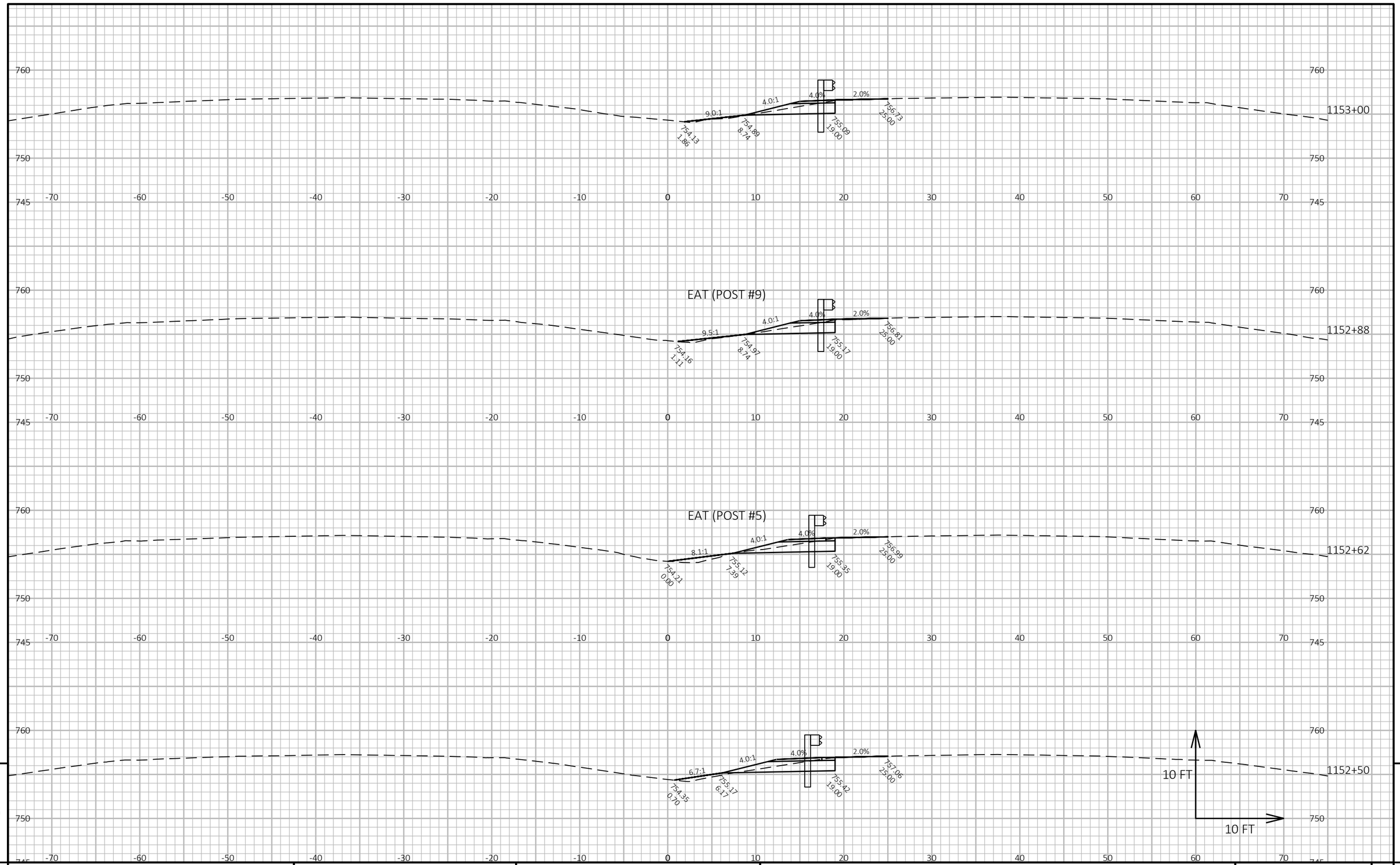
9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 550	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG10

PLOT DATE : 2/25/2022 3:24 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9 9

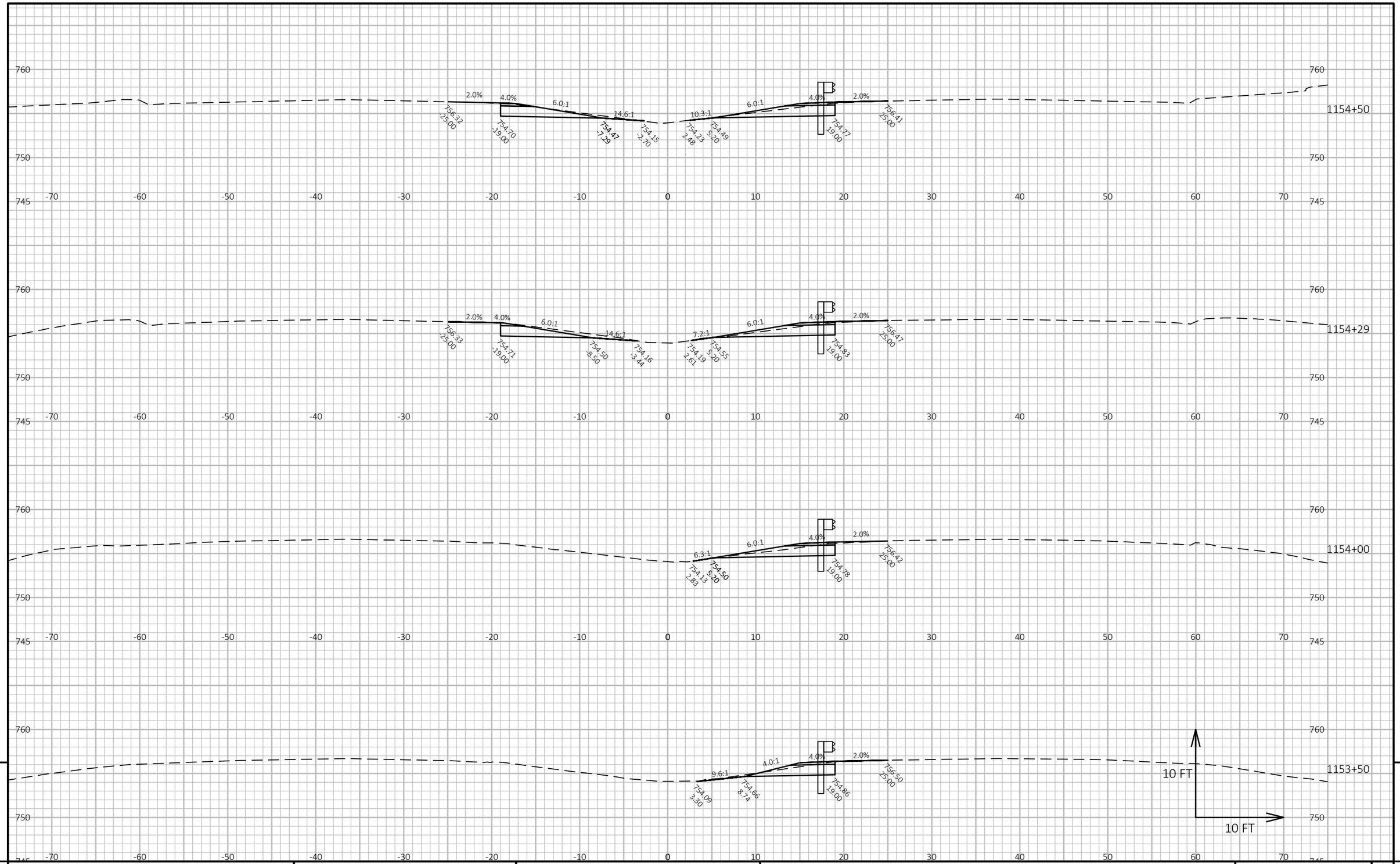
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 551	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG11

PLOT DATE : 2/25/2022 3:24 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 552 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG12

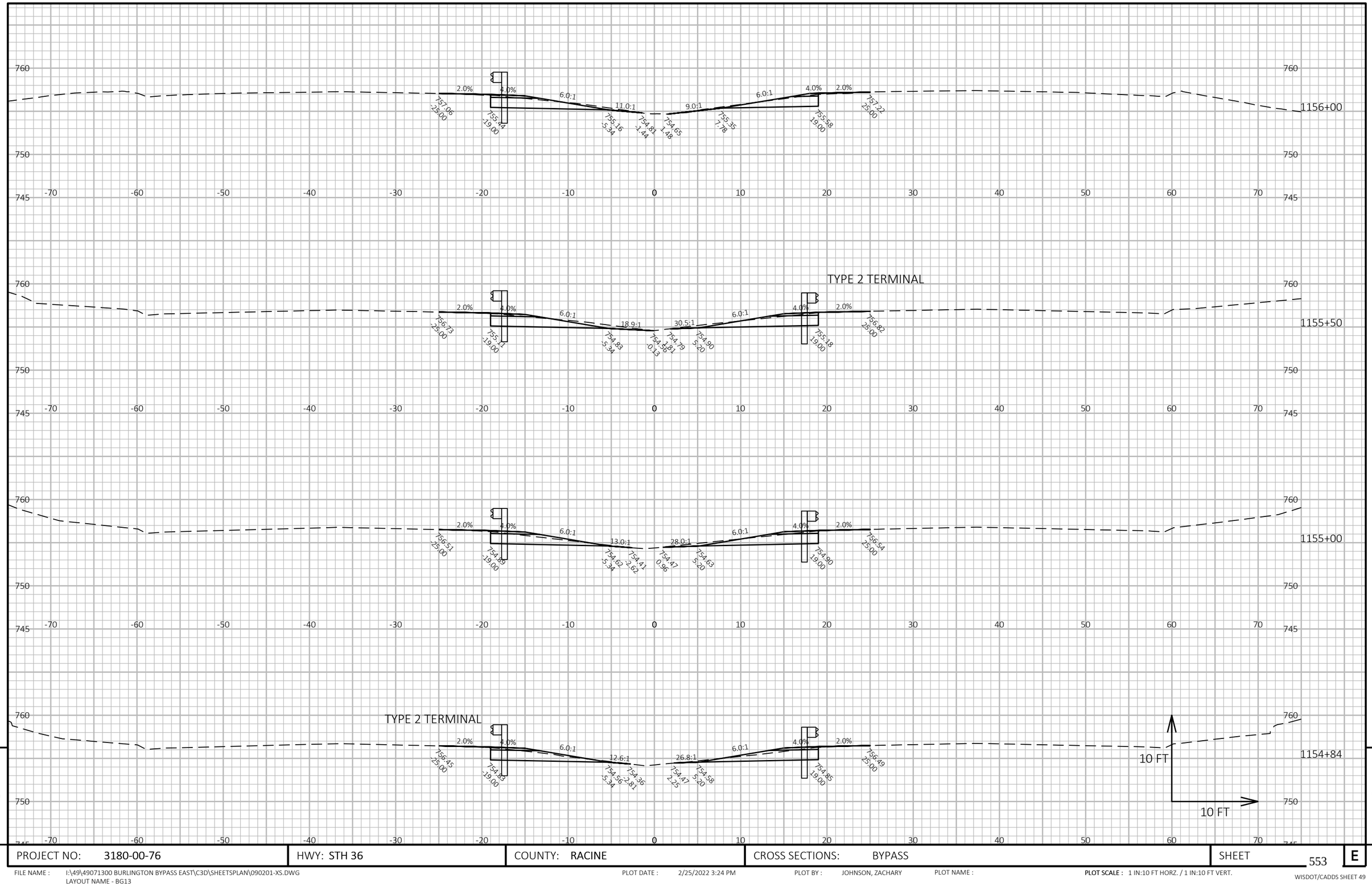
PLOT DATE : 2/25/2022 3:24 PM

PLOT BY : JOHNSON, ZACHARY

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 553	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG13

PLOT DATE : 2/25/2022 3:24 PM

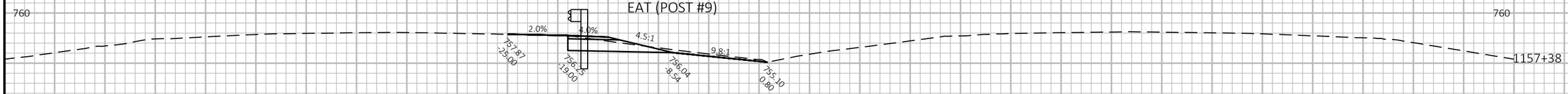
PLOT BY : JOHNSON, ZACHARY

PLOT NAME :

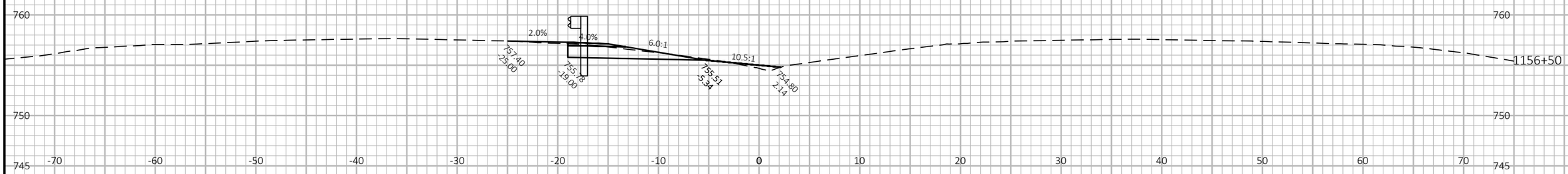
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

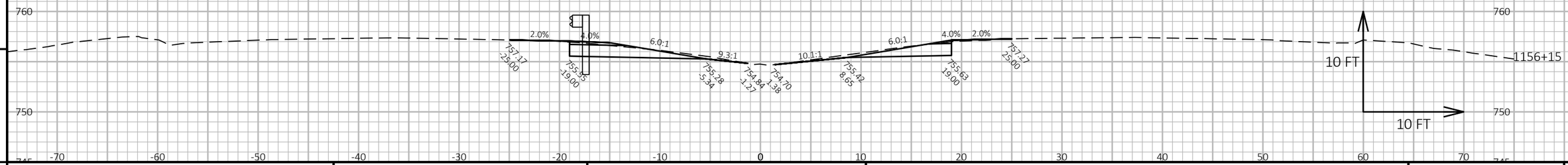
WISDOT/CADDS SHEET 49

EAT (POST #9)









9

9

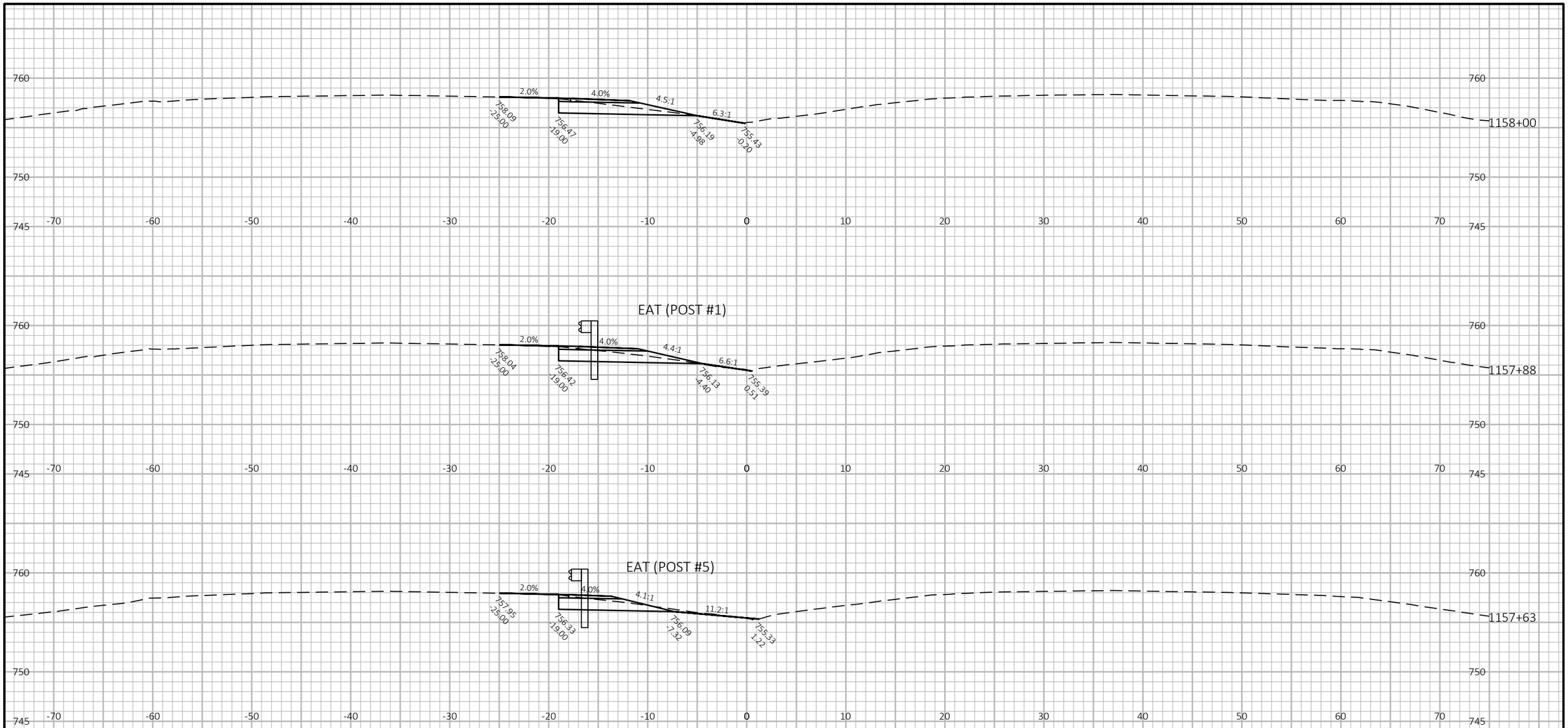
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 554	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG14

PLOT DATE : 2/25/2022 3:24 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

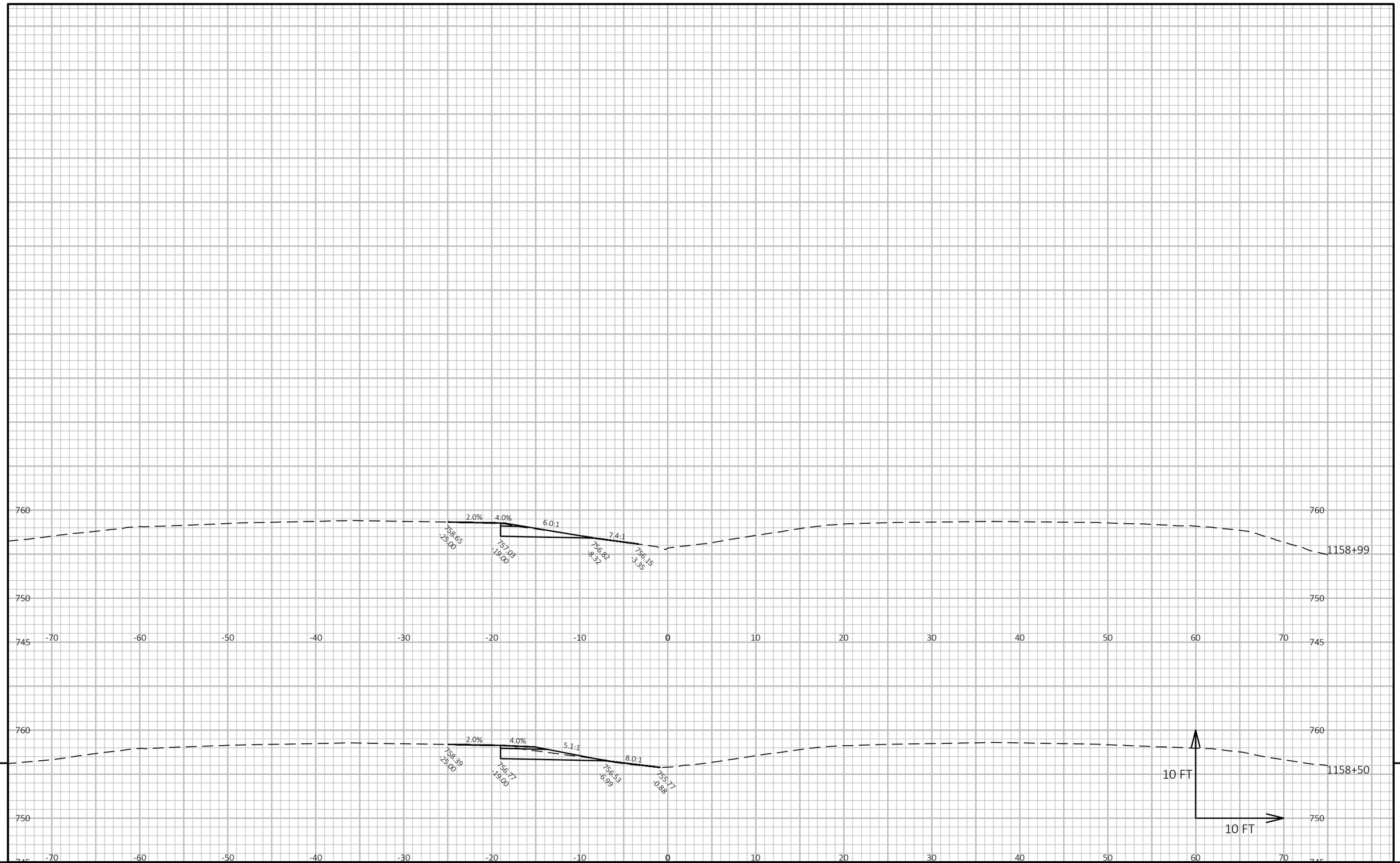


PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 555	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG15

PLOT DATE : 2/25/2022 3:24 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

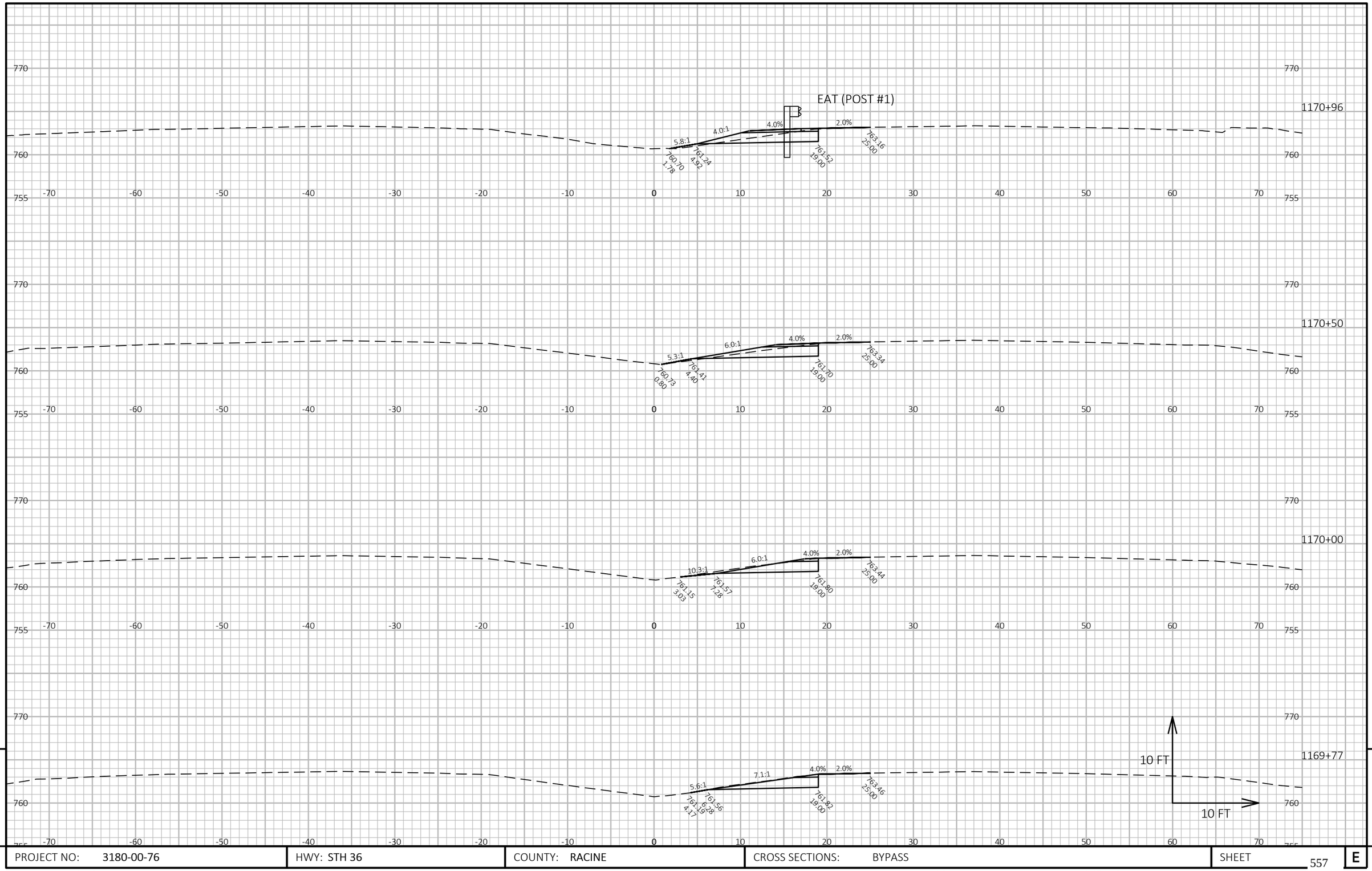
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 556	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG16

PLOT DATE : 2/25/2022 3:24 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

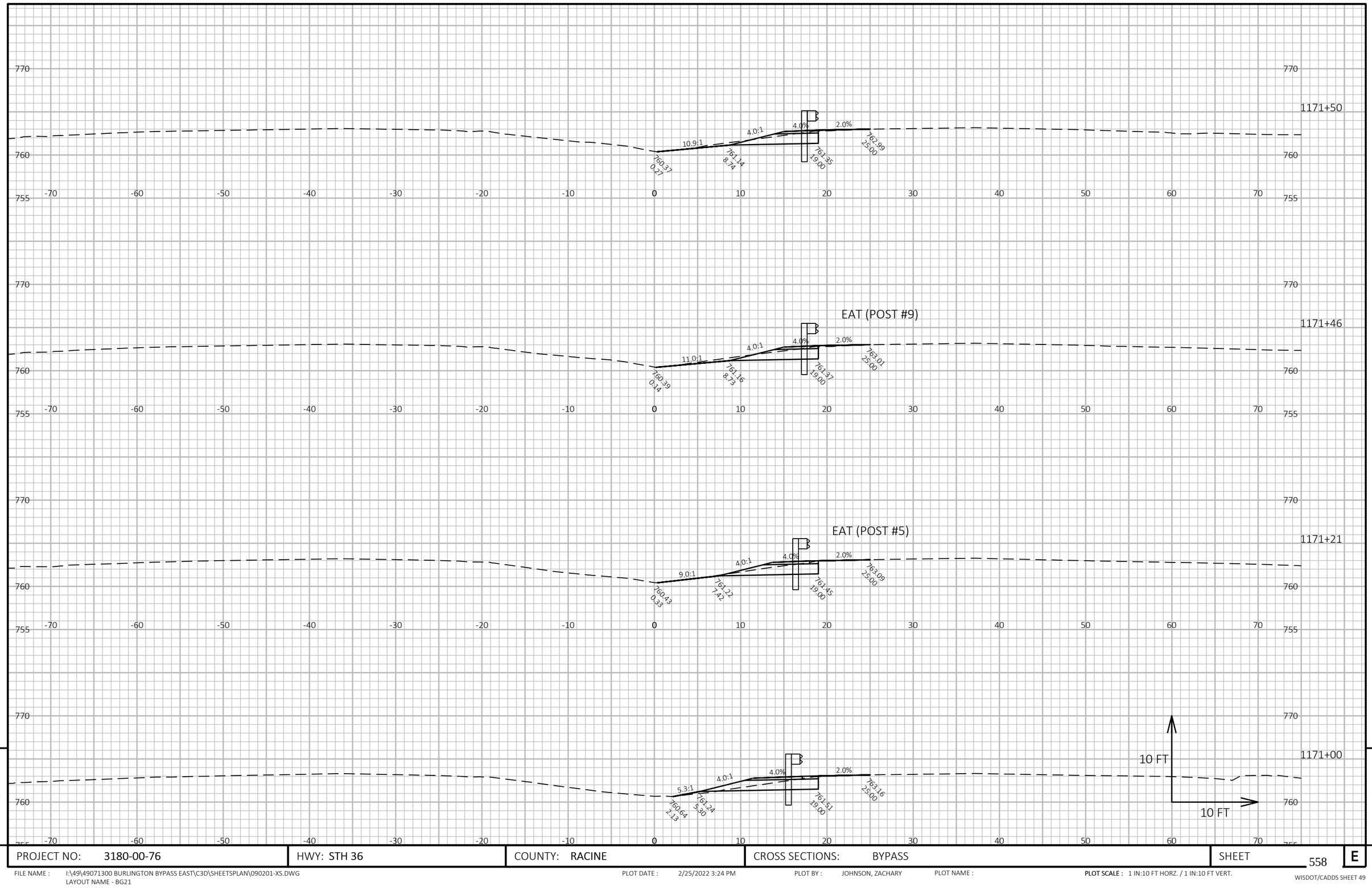
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 557	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG20

PLOT DATE : 2/25/2022 3:24 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

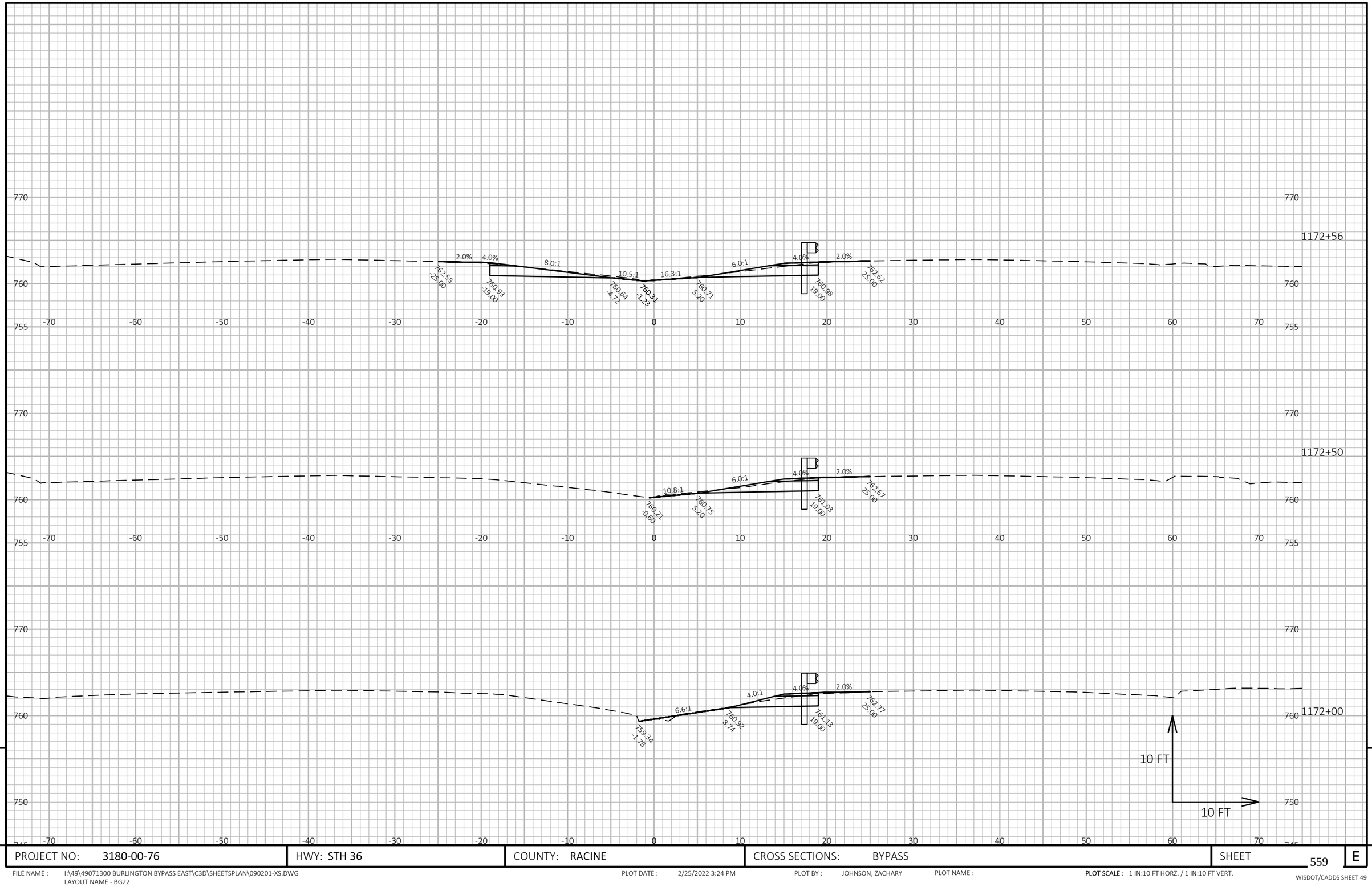
9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 558	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG21

PLOT DATE : 2/25/2022 3:24 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

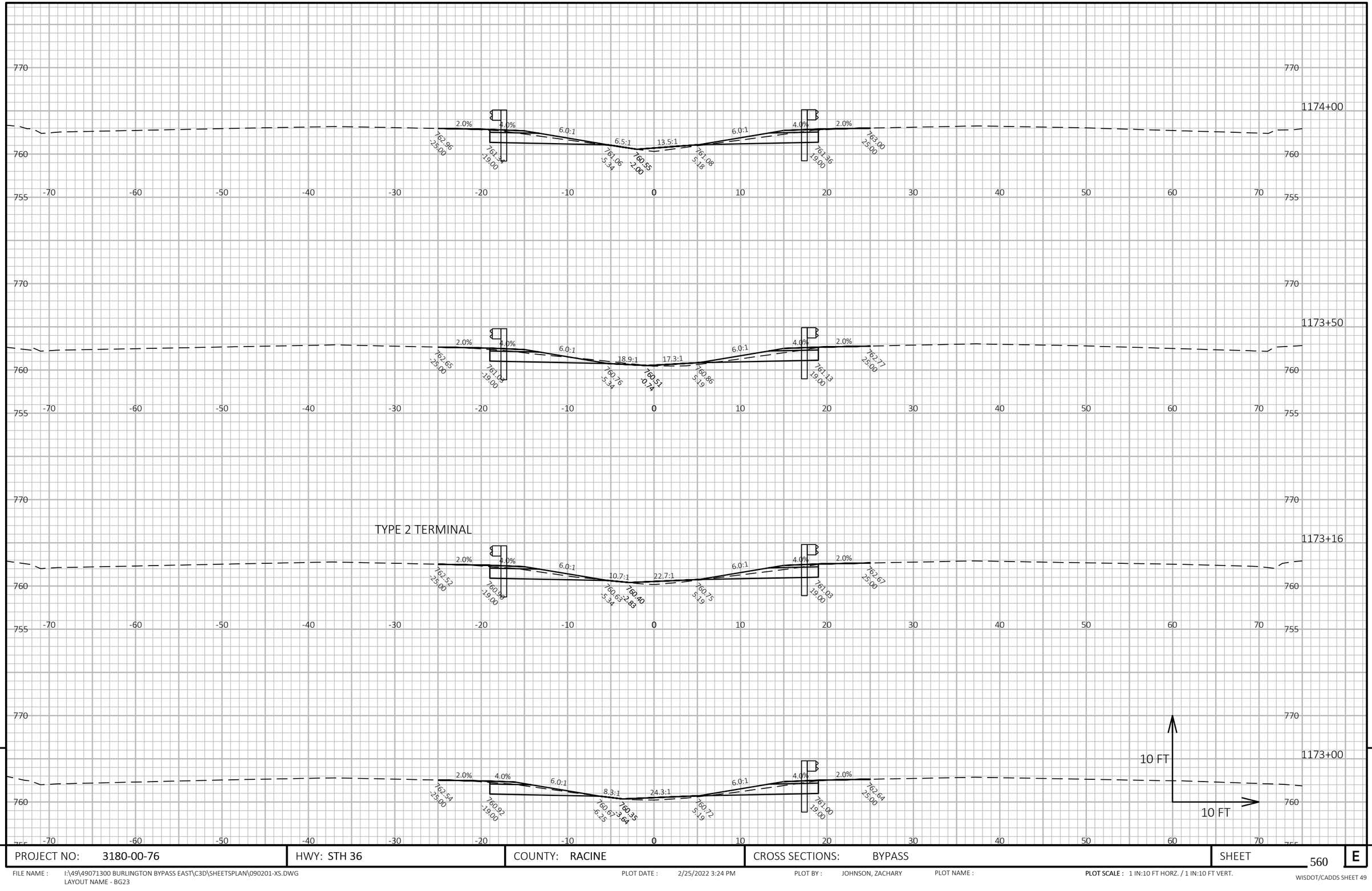
9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 559	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG22

PLOT DATE : 2/25/2022 3:24 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 560	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG23

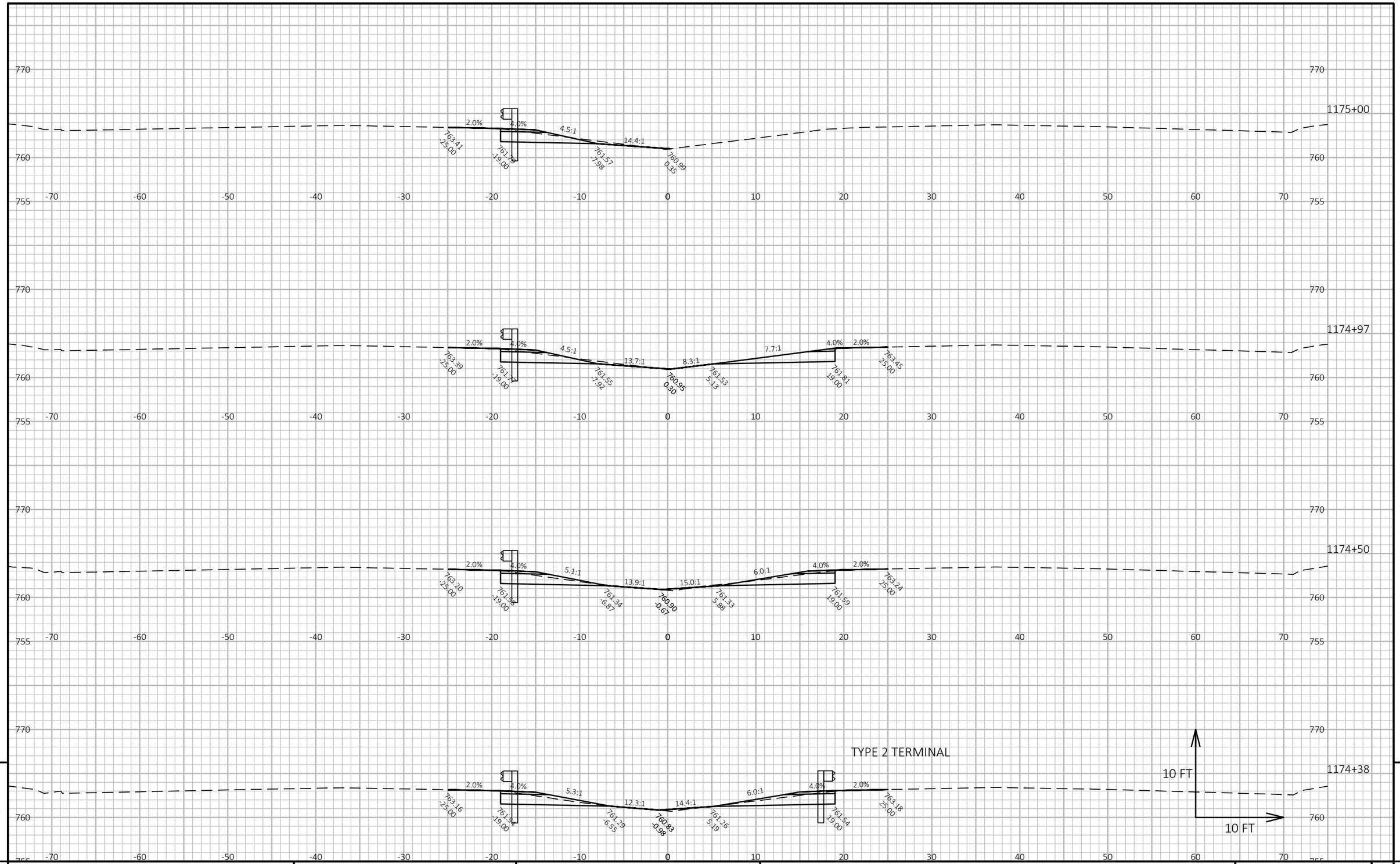
PLOT DATE : 2/25/2022 3:24 PM

PLOT BY : JOHNSON, ZACHARY

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

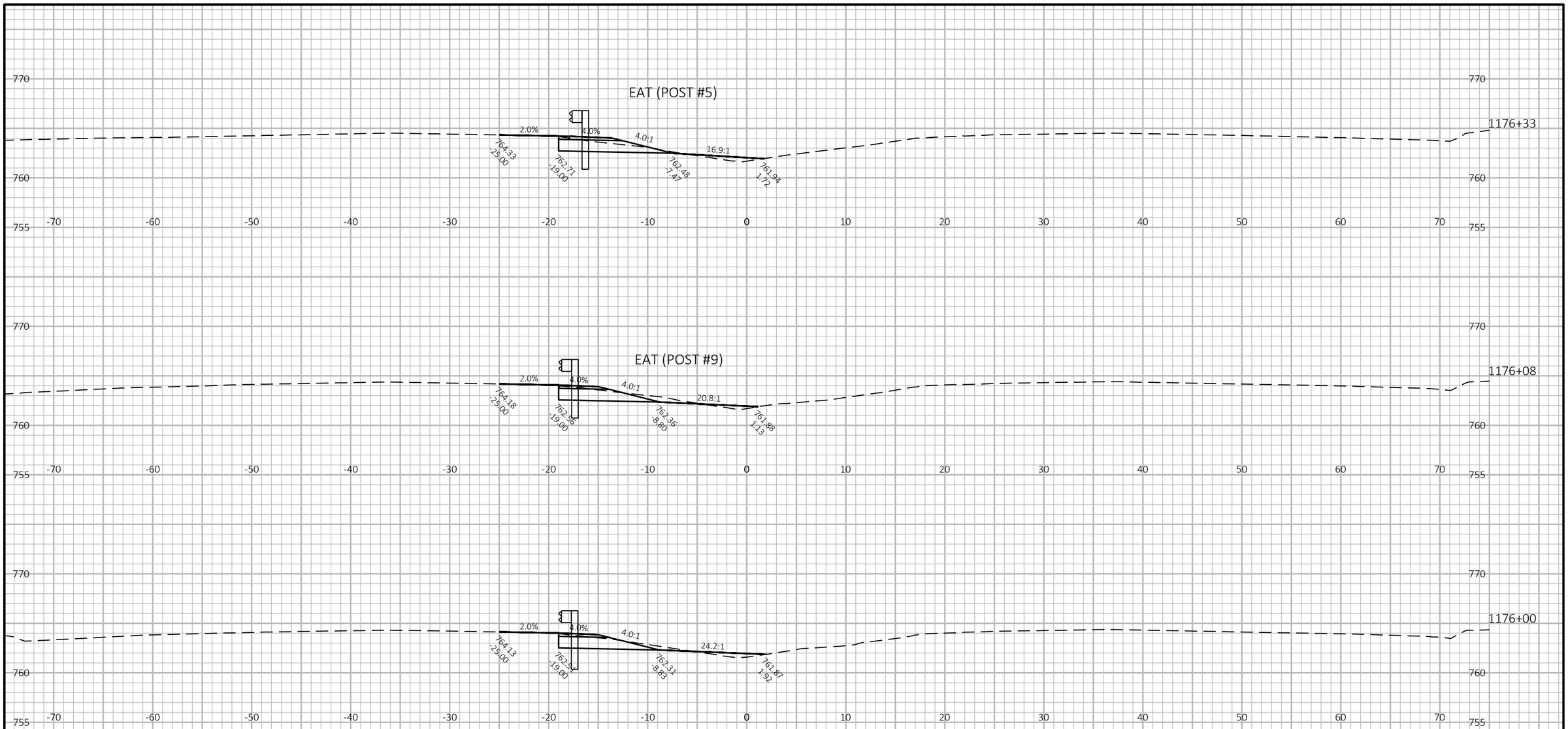
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 561	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG24

PLOT DATE : 2/25/2022 3:24 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 562	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG25

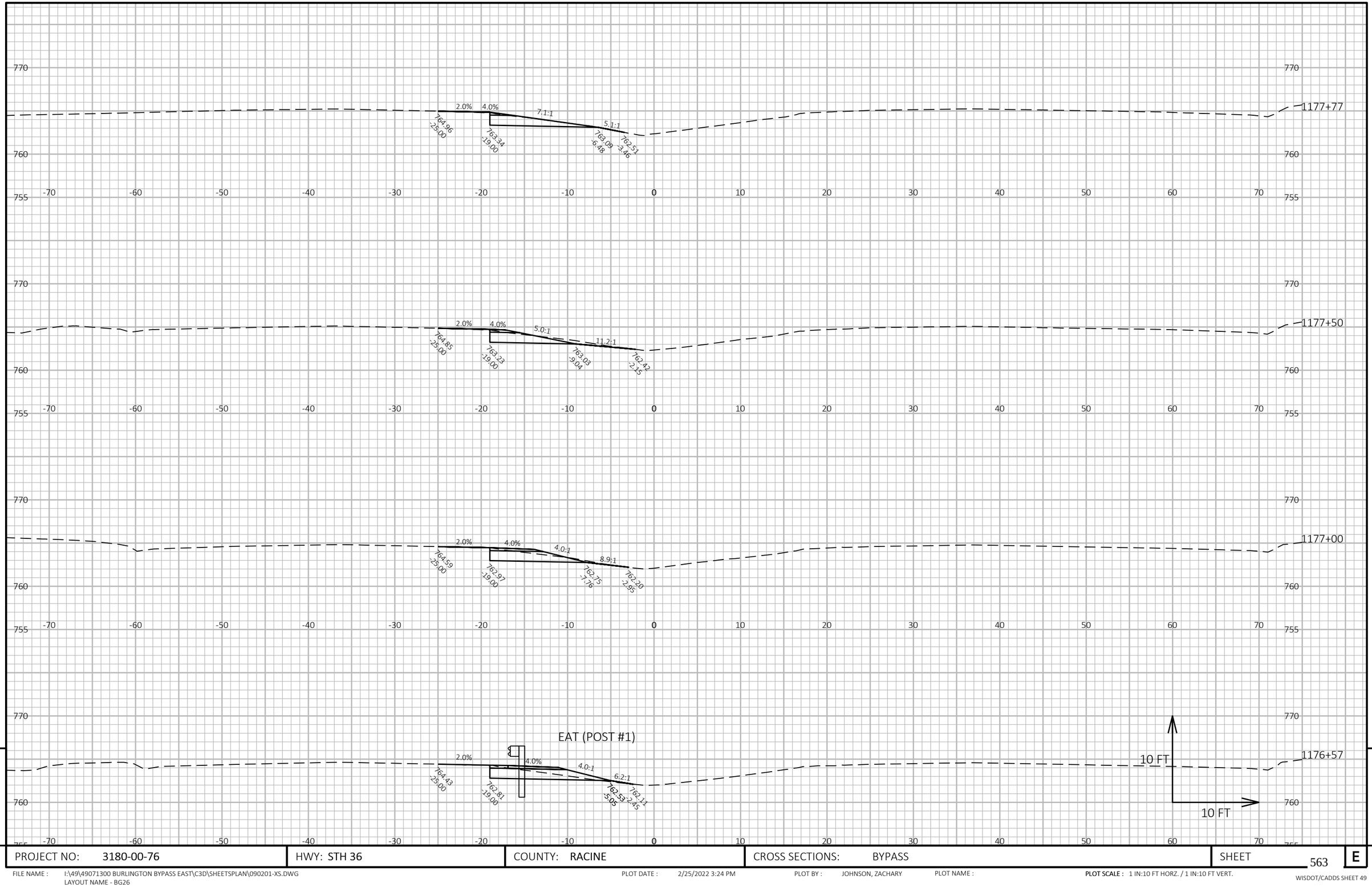
PLOT DATE : 2/25/2022 3:24 PM

PLOT BY : JOHNSON, ZACHARY

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 563	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG26

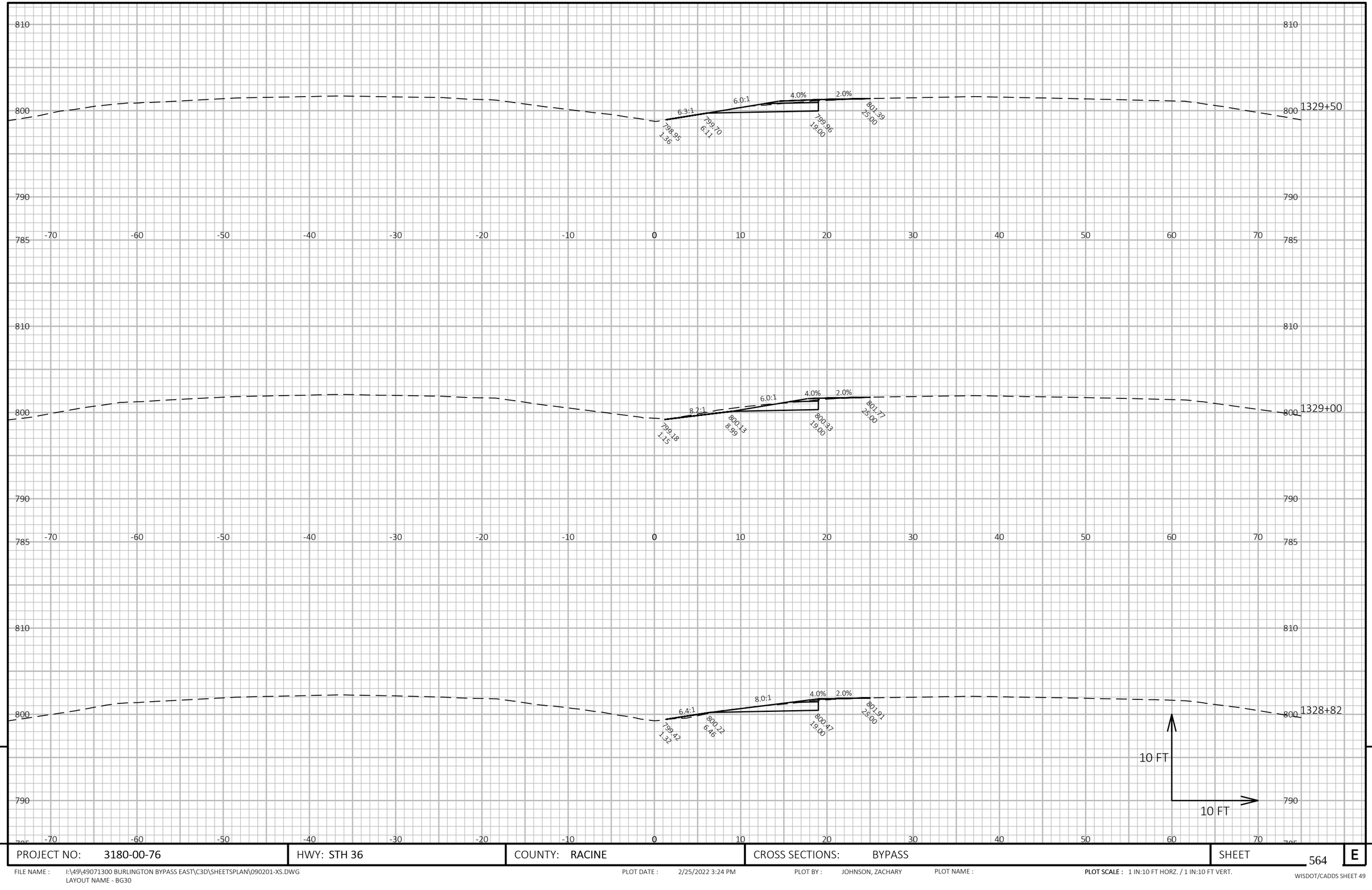
PLOT DATE : 2/25/2022 3:24 PM

PLOT BY : JOHNSON, ZACHARY

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

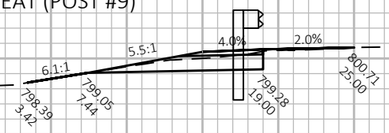
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 564	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG30

PLOT DATE : 2/25/2022 3:24 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

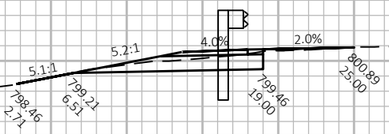
WISDOT/CADDS SHEET 49

EAT (POST #9)



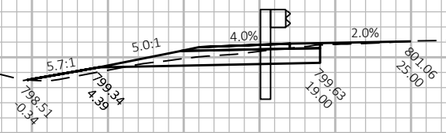
1330+51

EAT (POST #5)



1330+26

EAT (POST #1)



1330+01

10 FT

10 FT

9

9

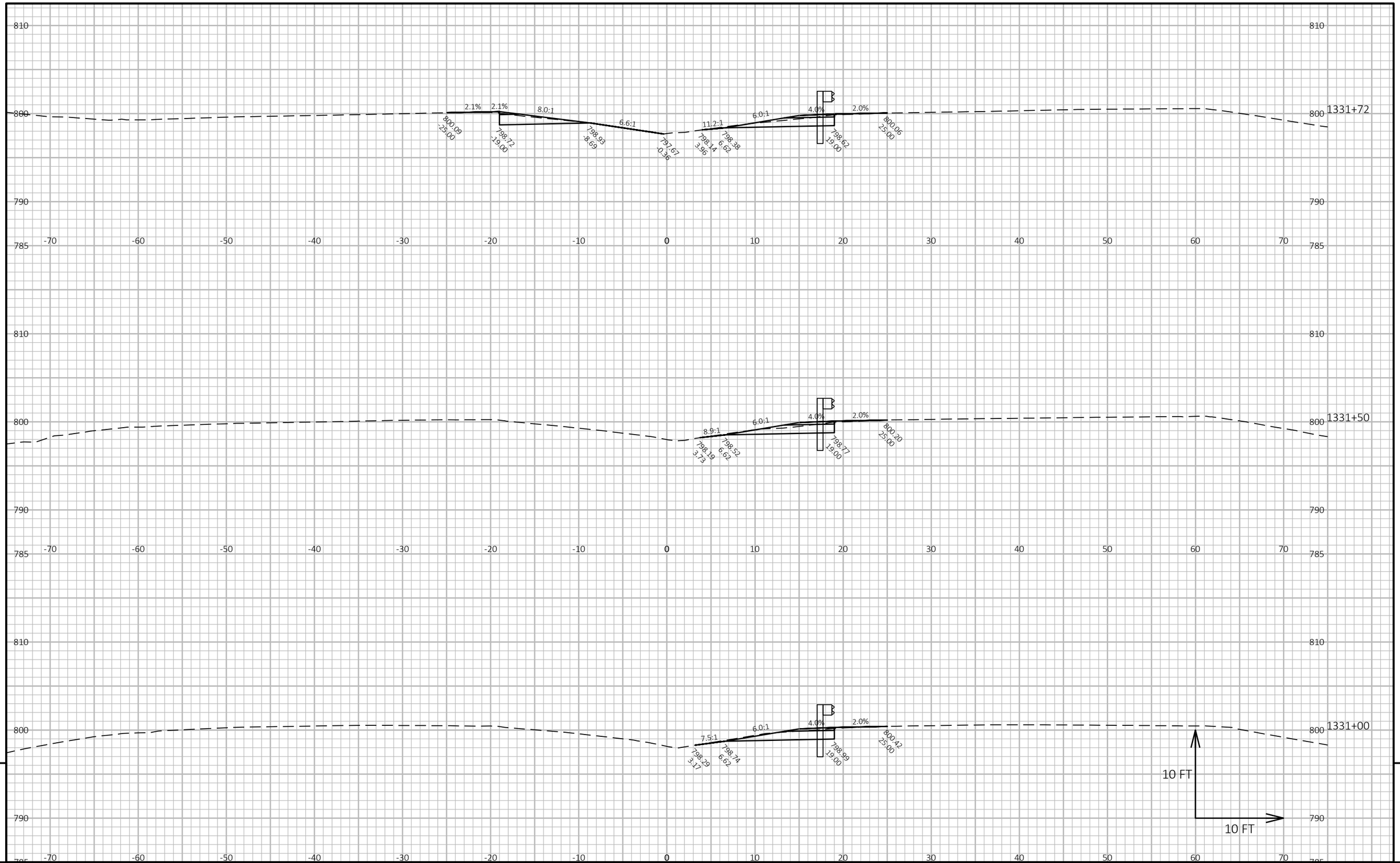
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 565	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG31

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

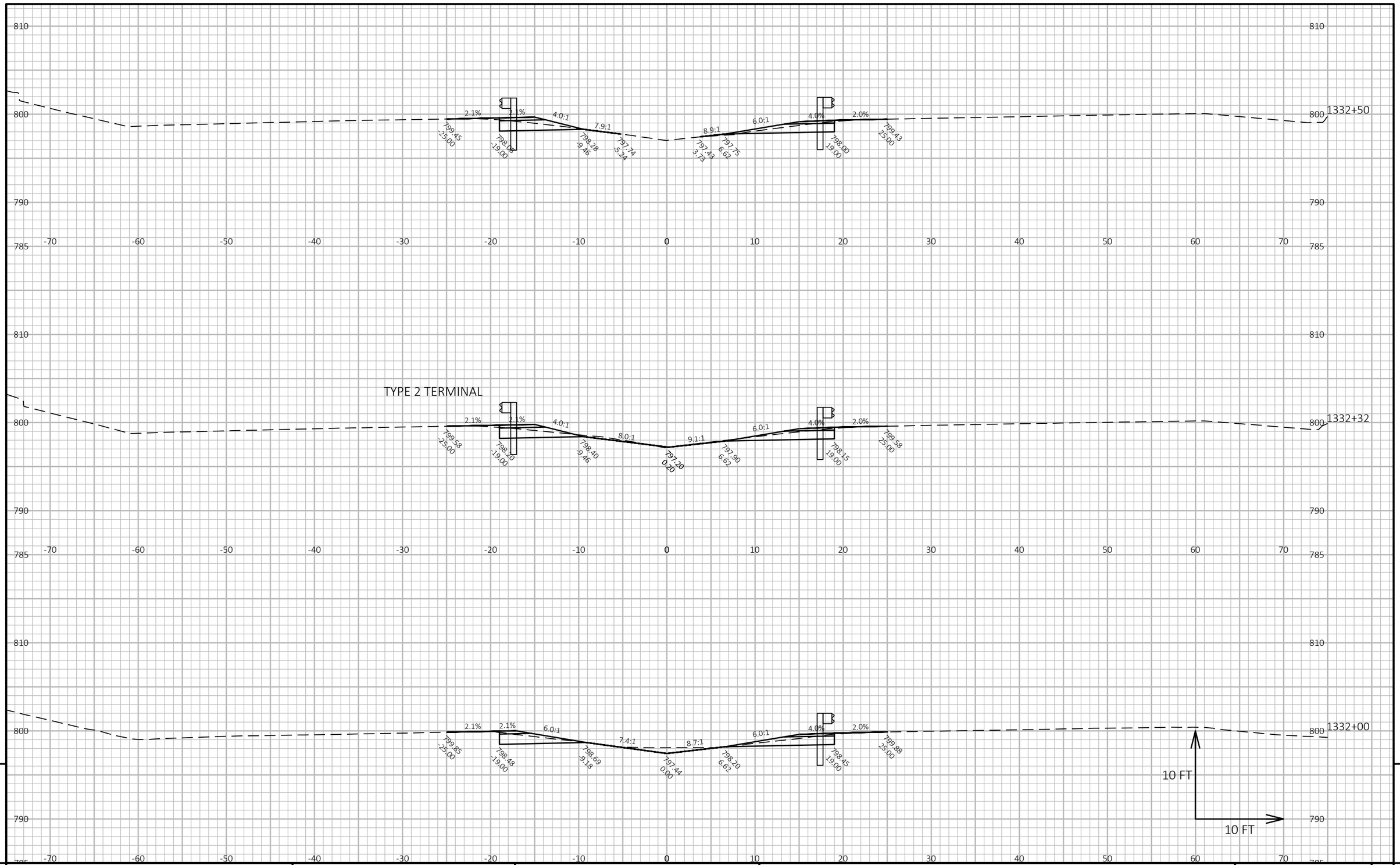
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 566	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG32

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

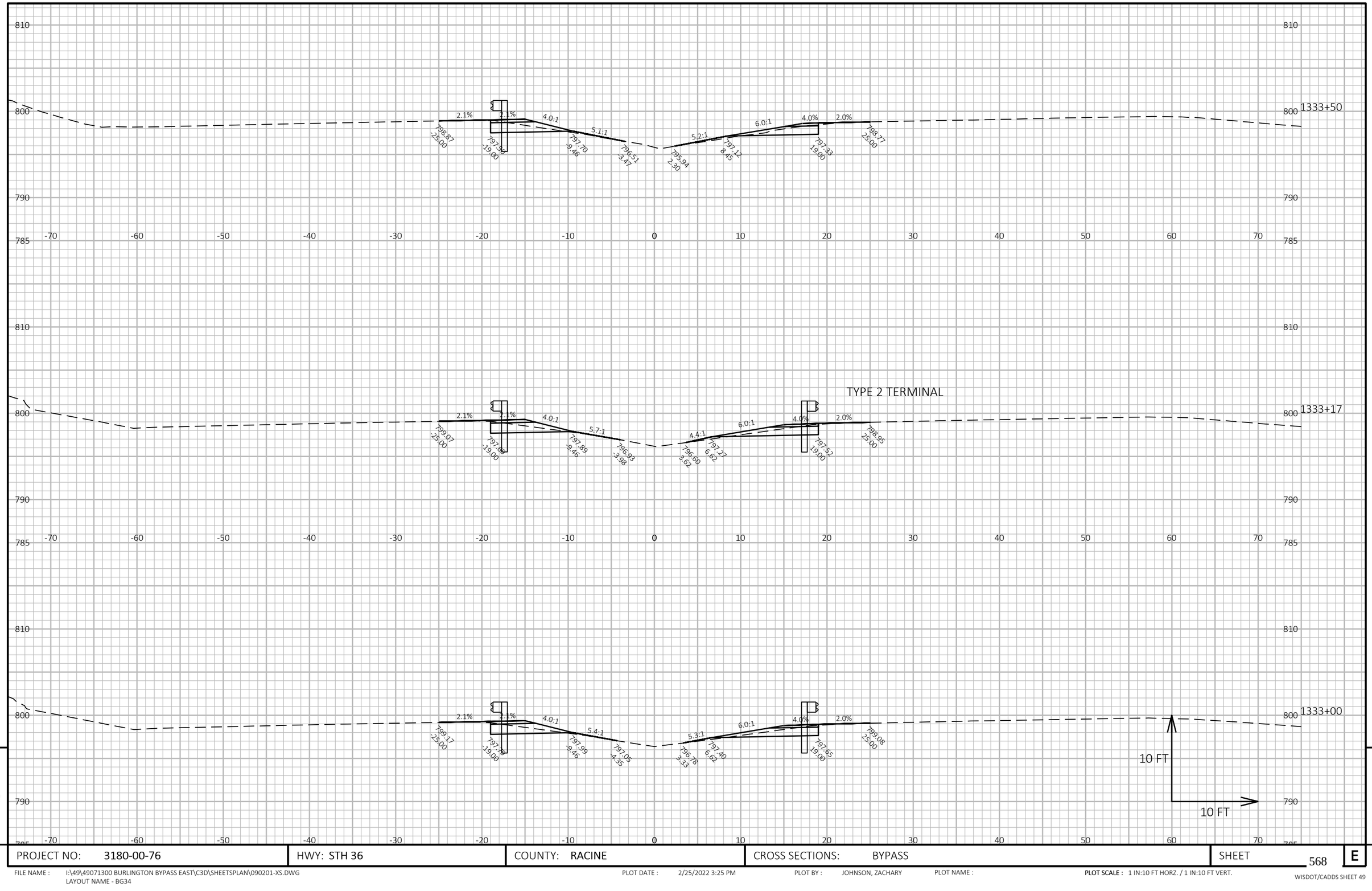


PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 567	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG33

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



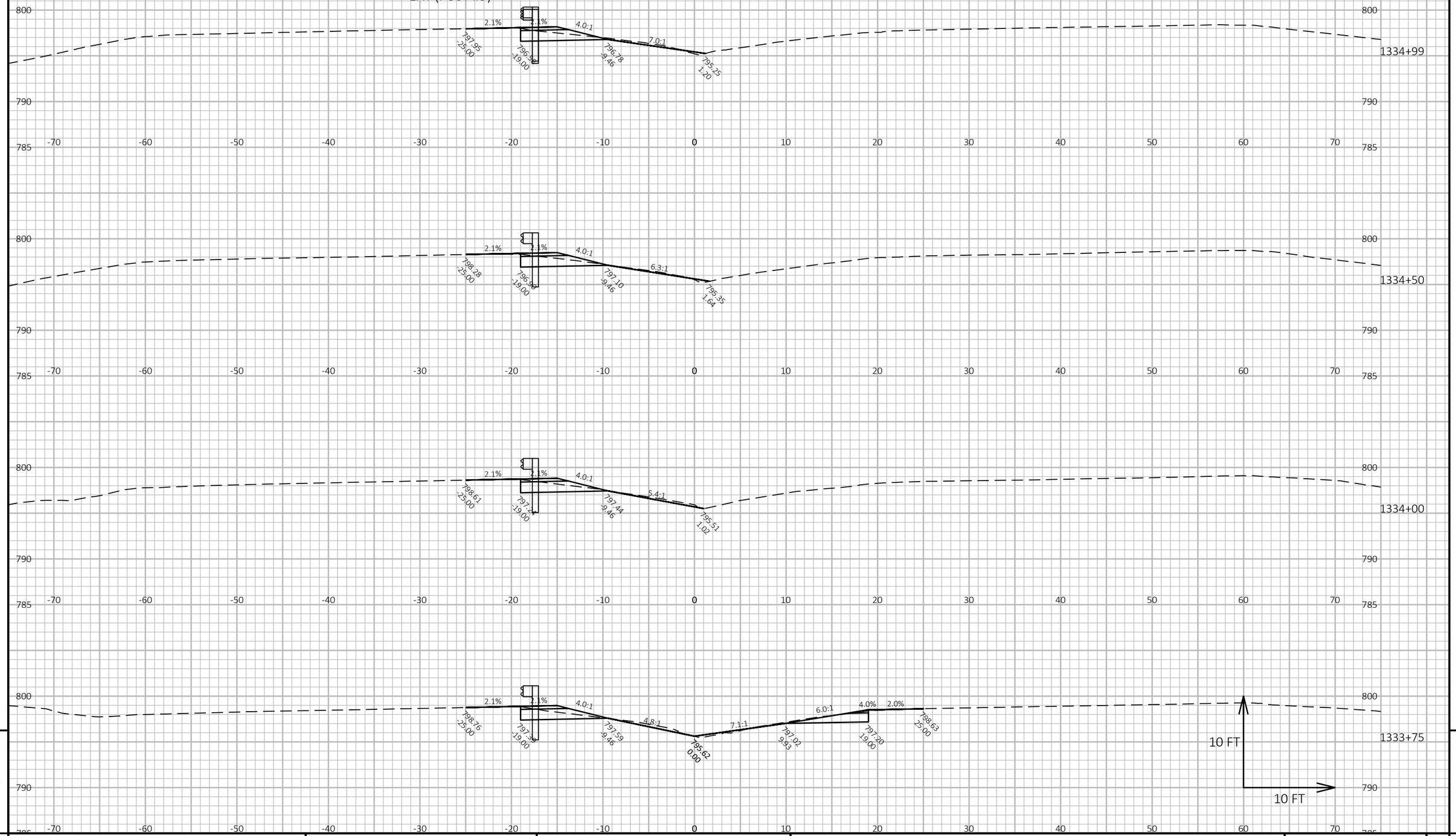
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 568 E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG34

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

EAT (POST #9)



9

9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 569	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG35

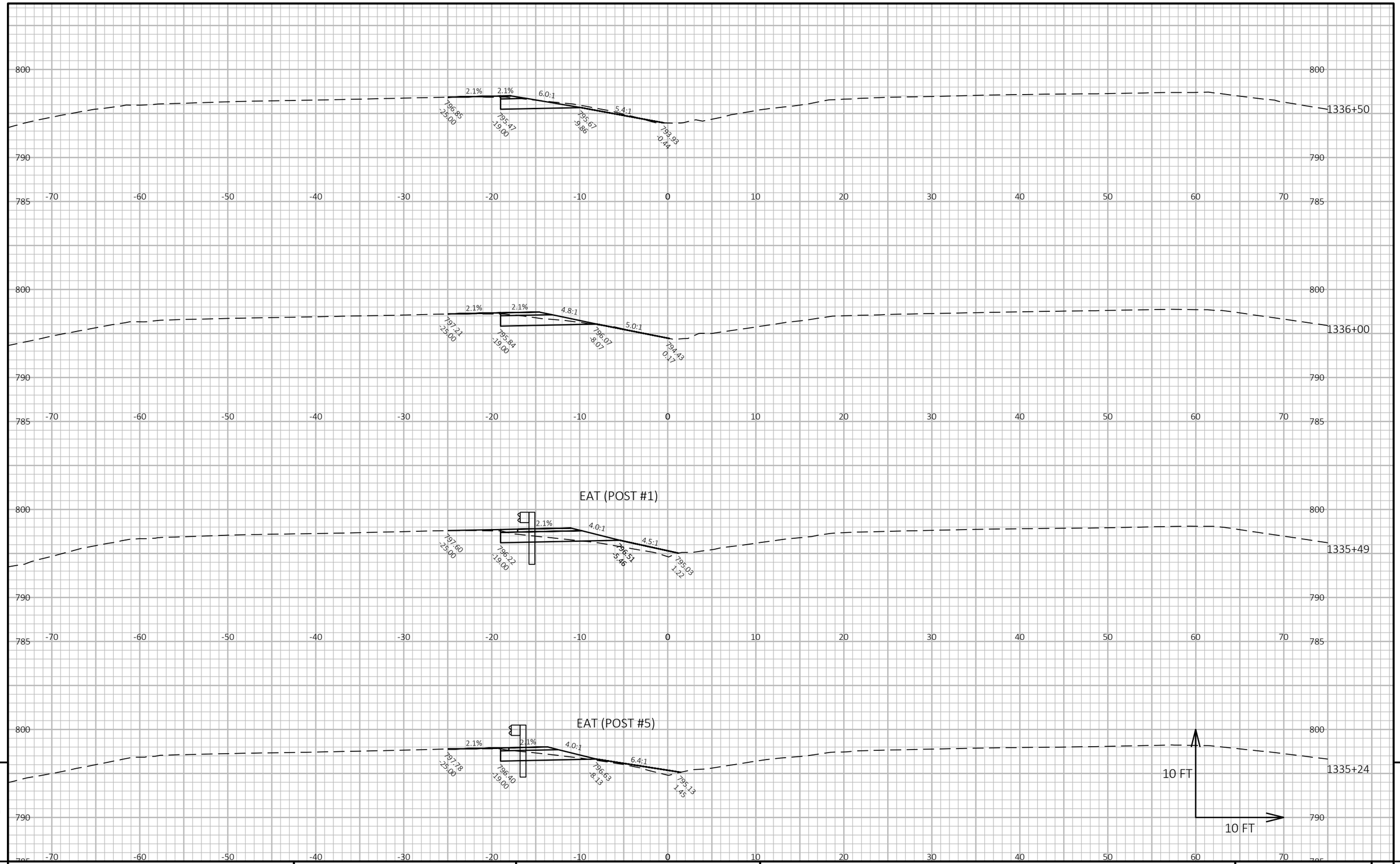
PLOT DATE : 2/25/2022 3:25 PM

PLOT BY : JOHNSON, ZACHARY

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 570	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG36

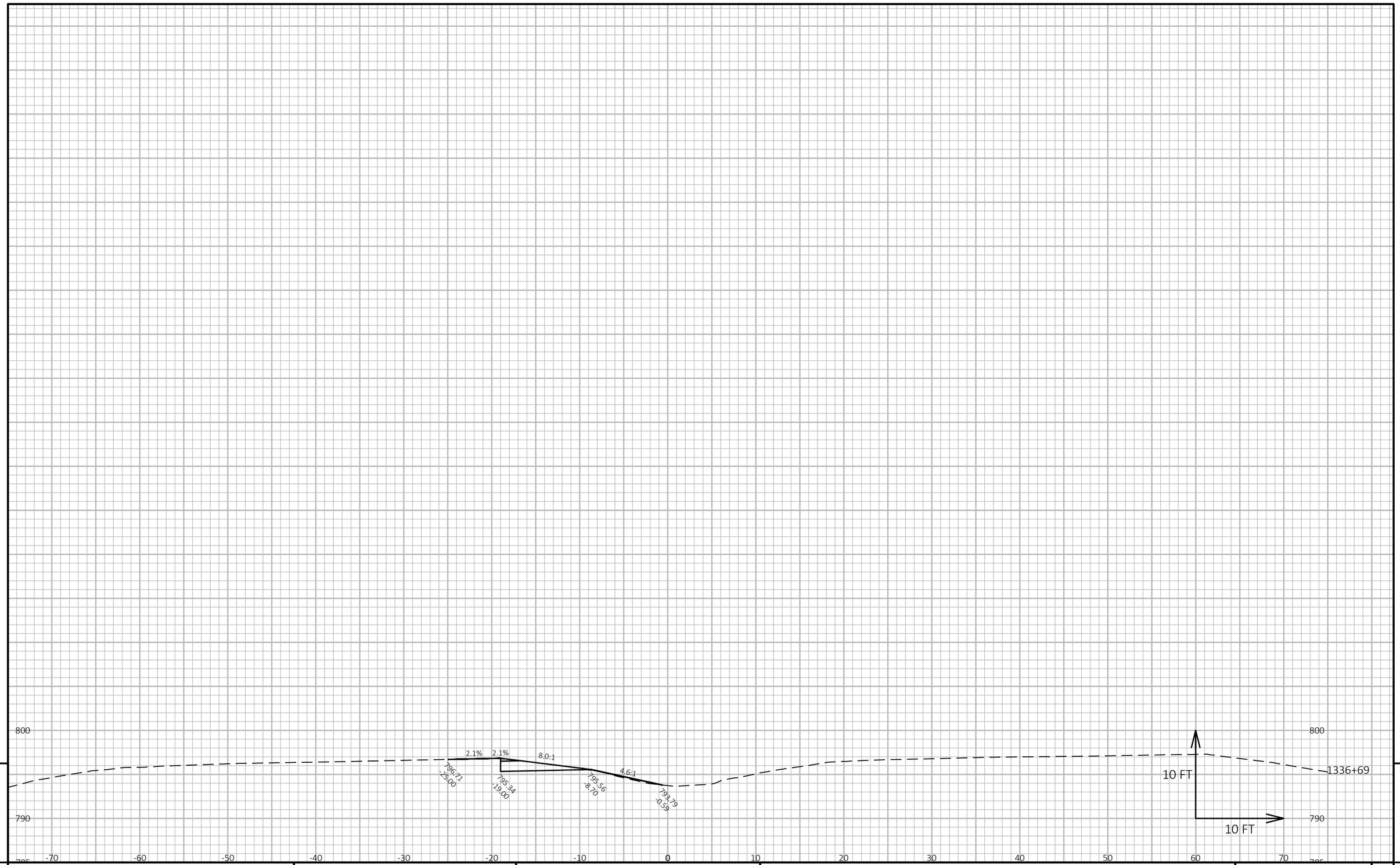
PLOT DATE : 2/25/2022 3:25 PM

PLOT BY : JOHNSON, ZACHARY

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

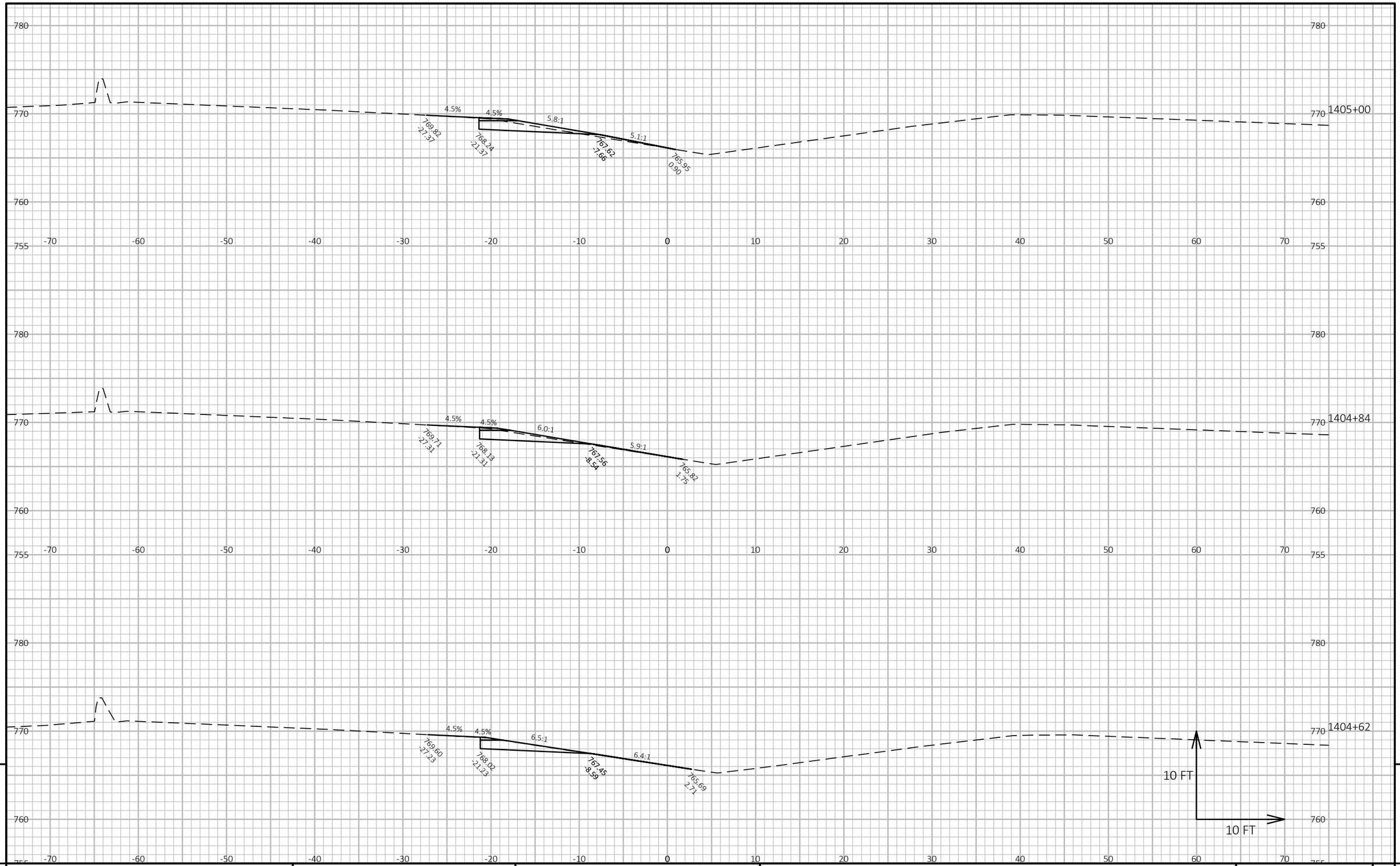
PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 571	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG37

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 572	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG40

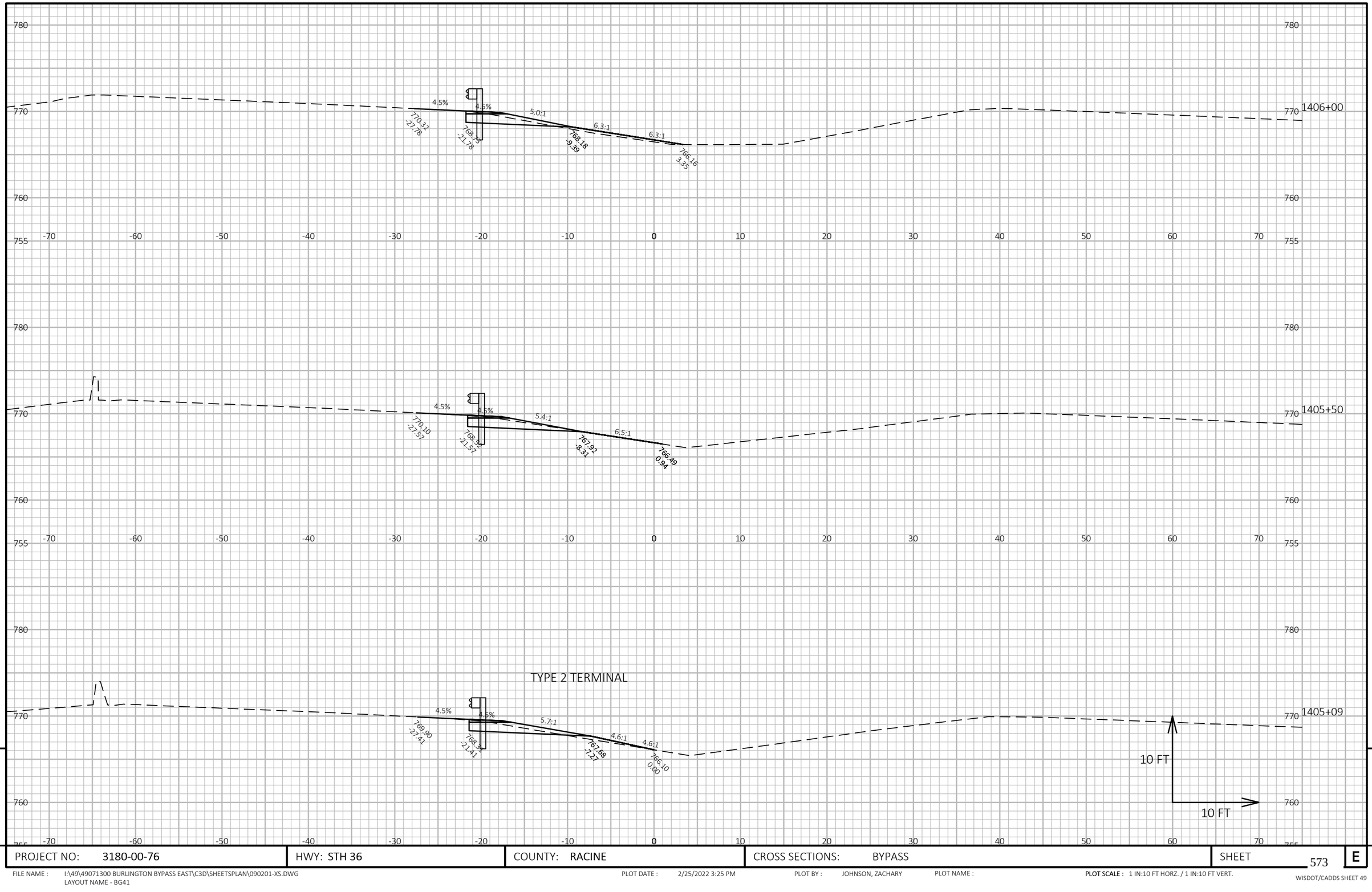
PLOT DATE : 2/25/2022 3:25 PM

PLOT BY : JOHNSON, ZACHARY

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

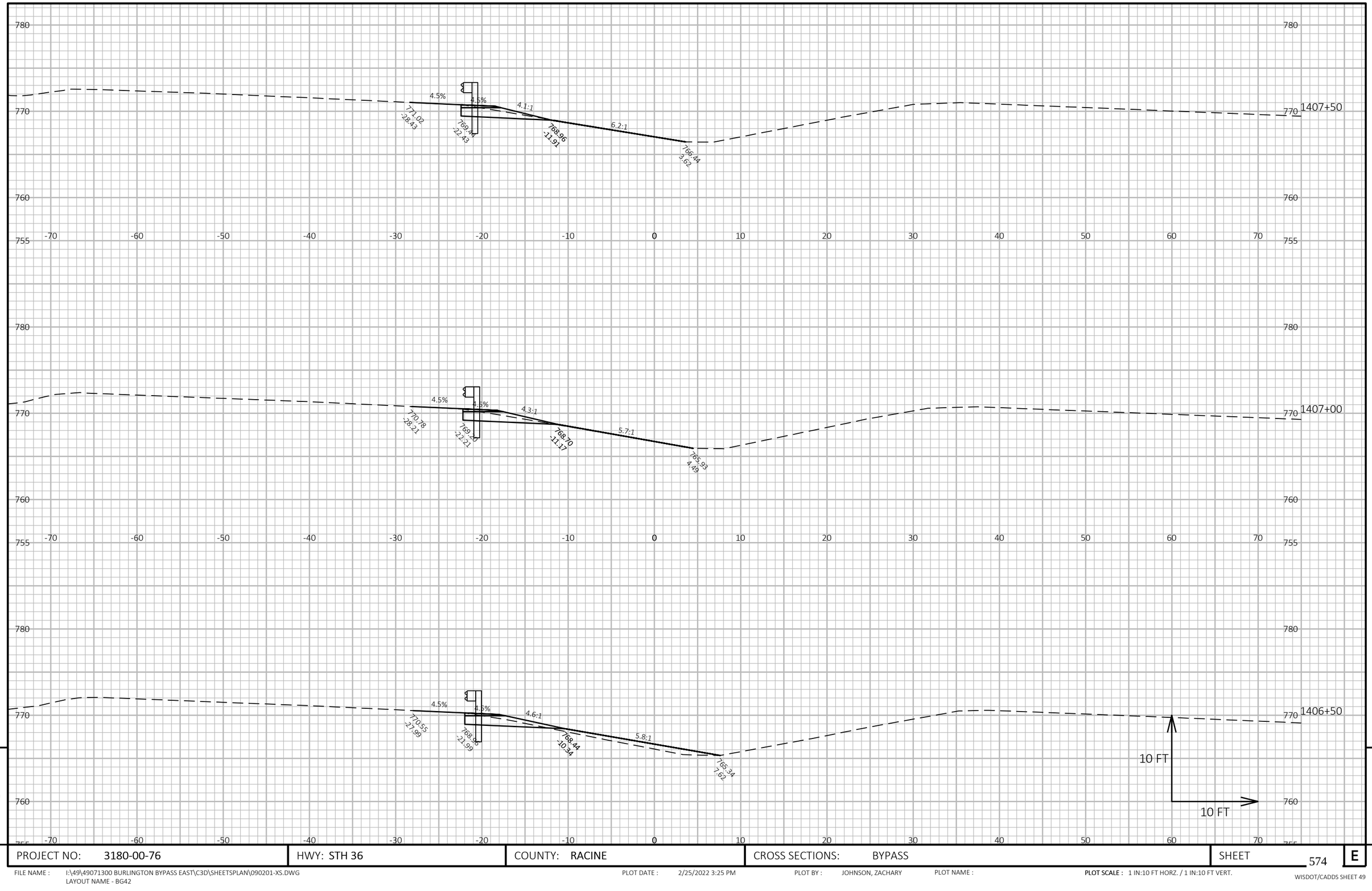
9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 573	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG41

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



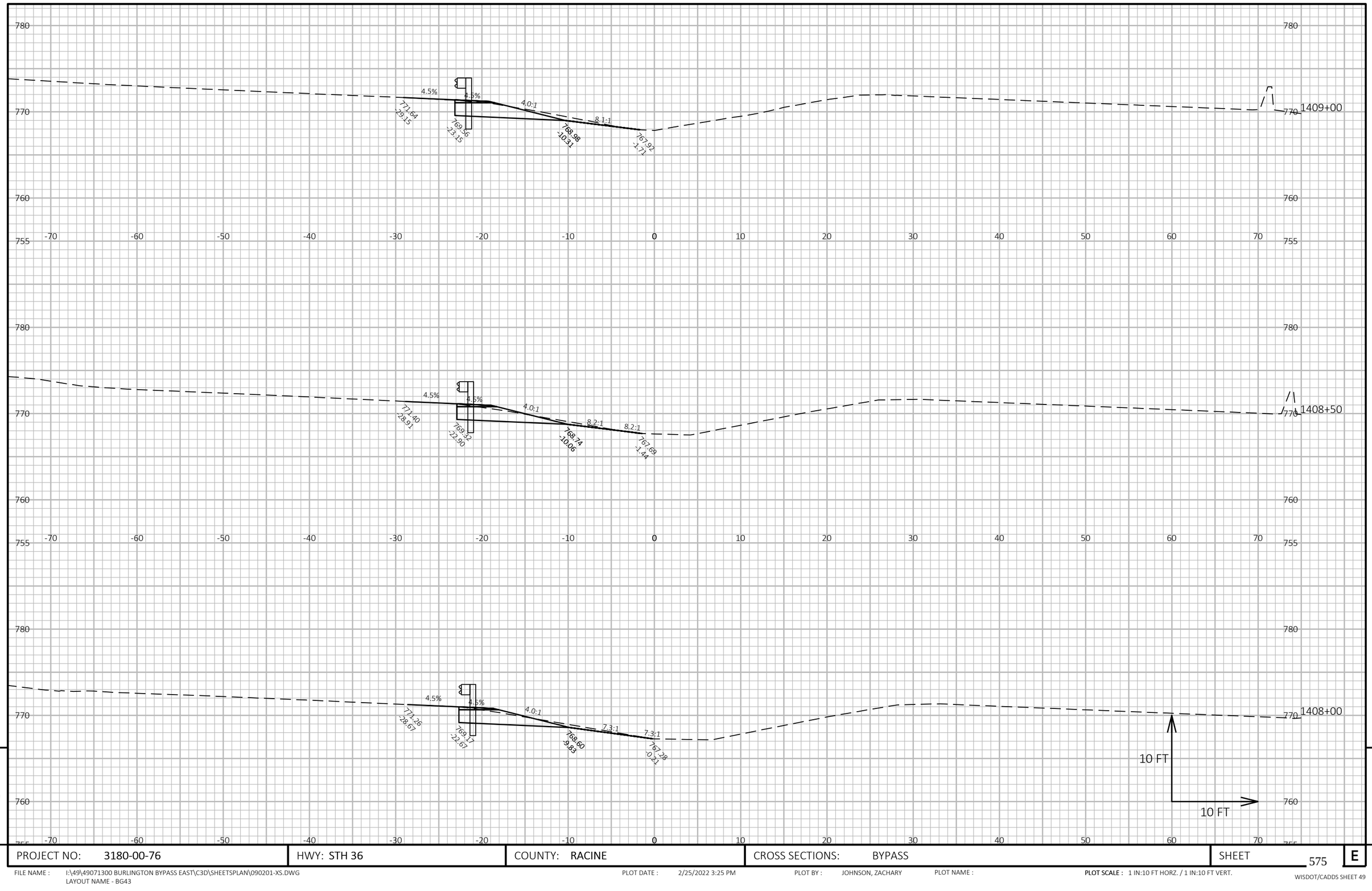
9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 574	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG42

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

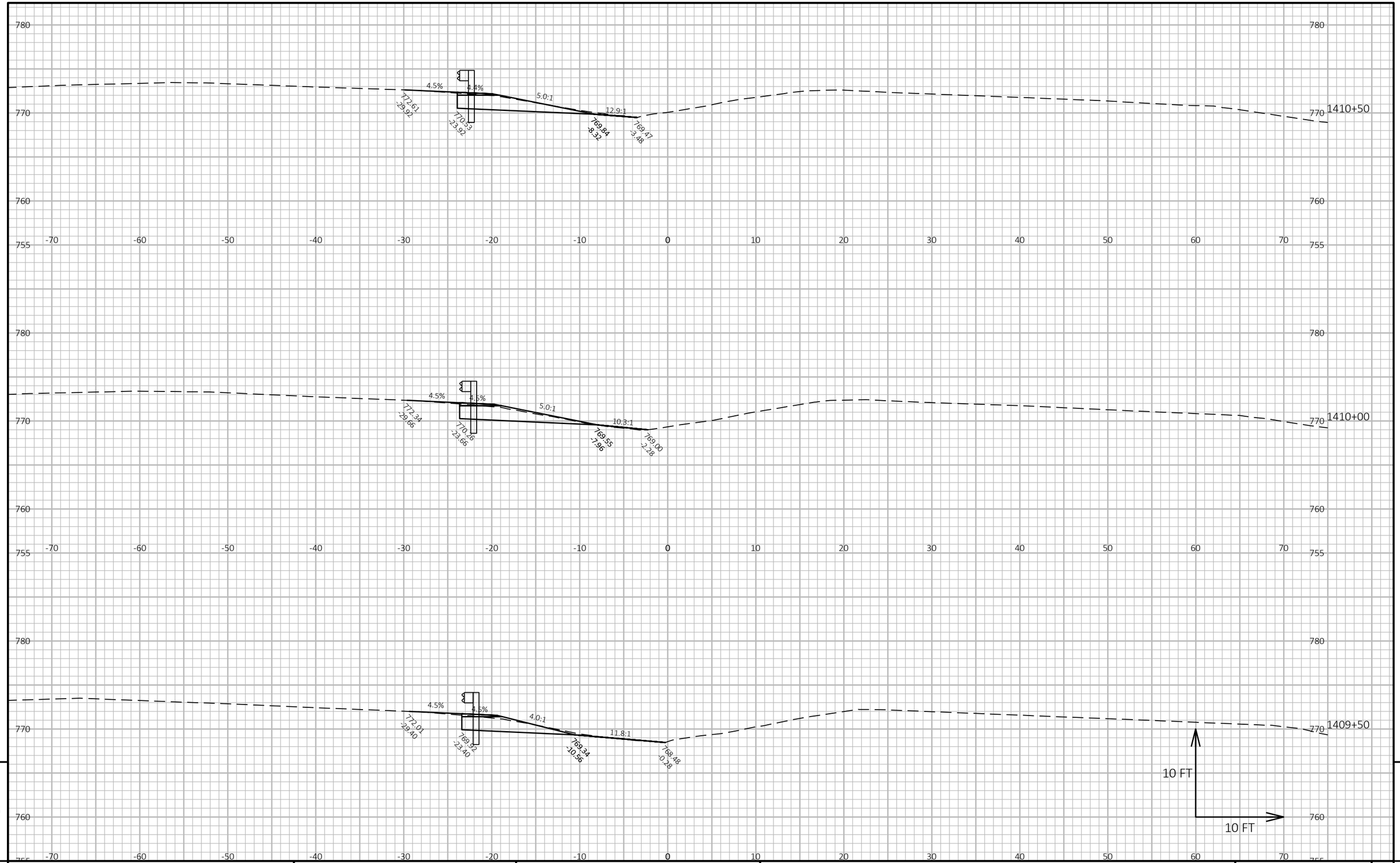
9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 575	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG43

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

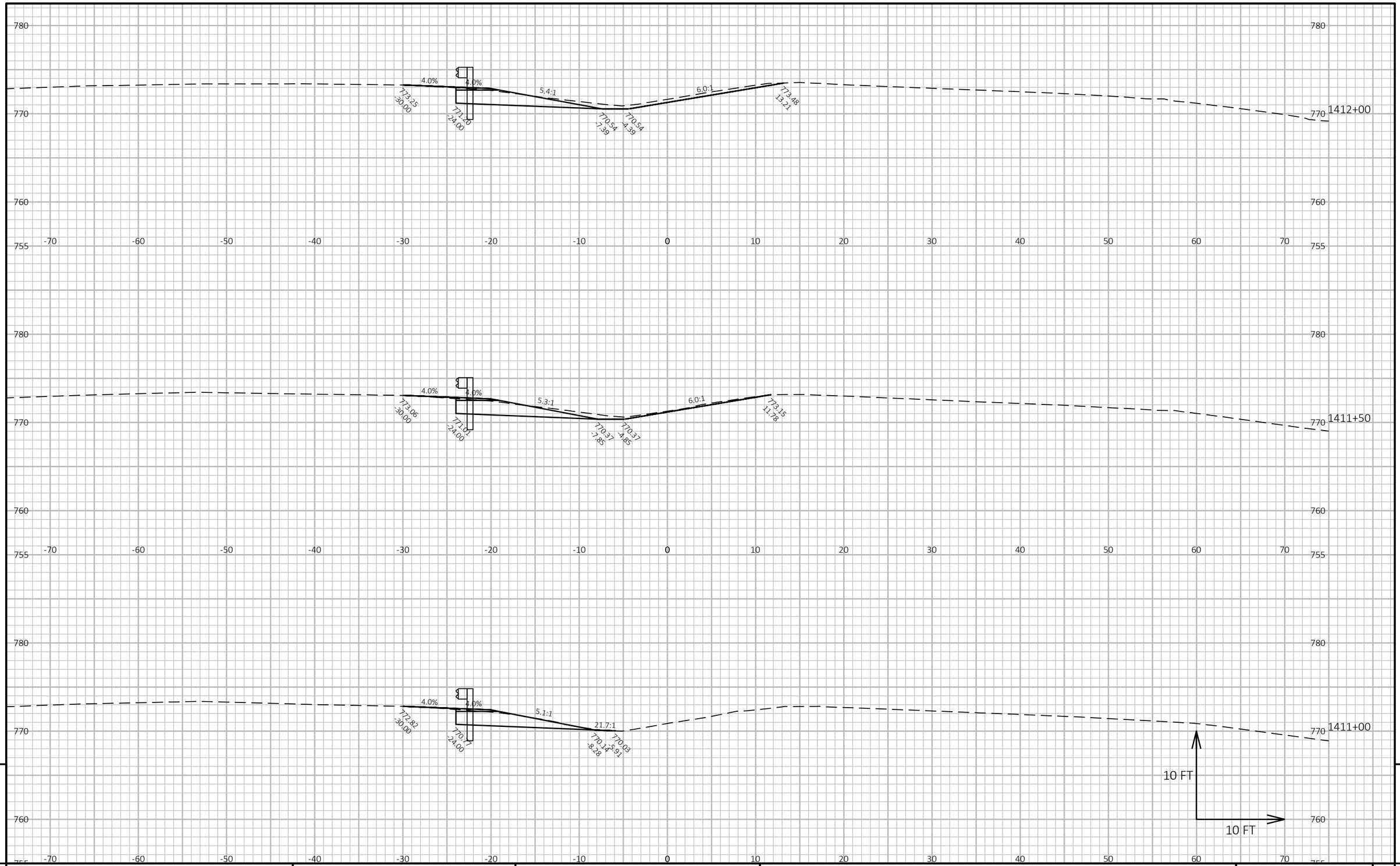
9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 576	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG44

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

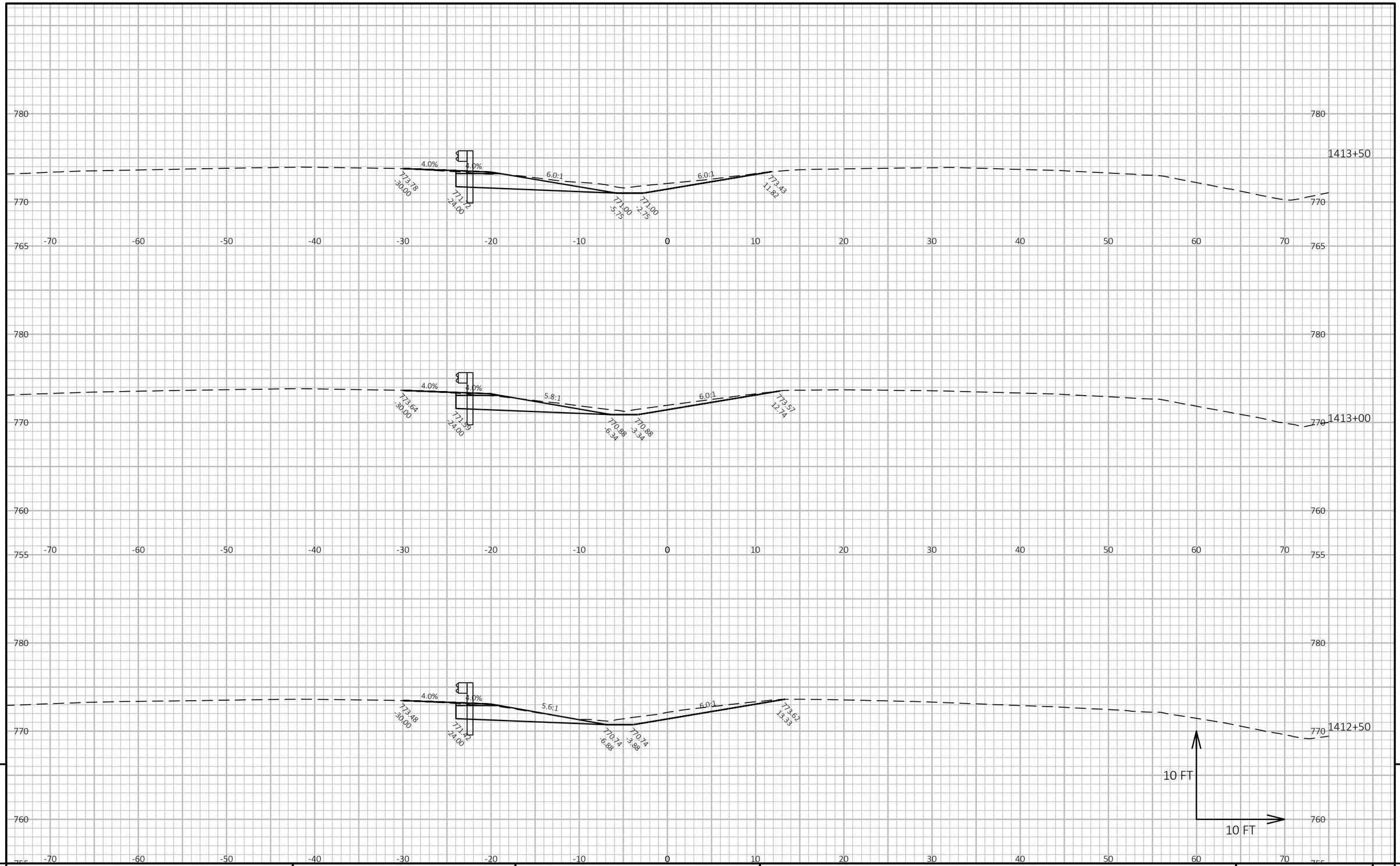


PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 577	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG45

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

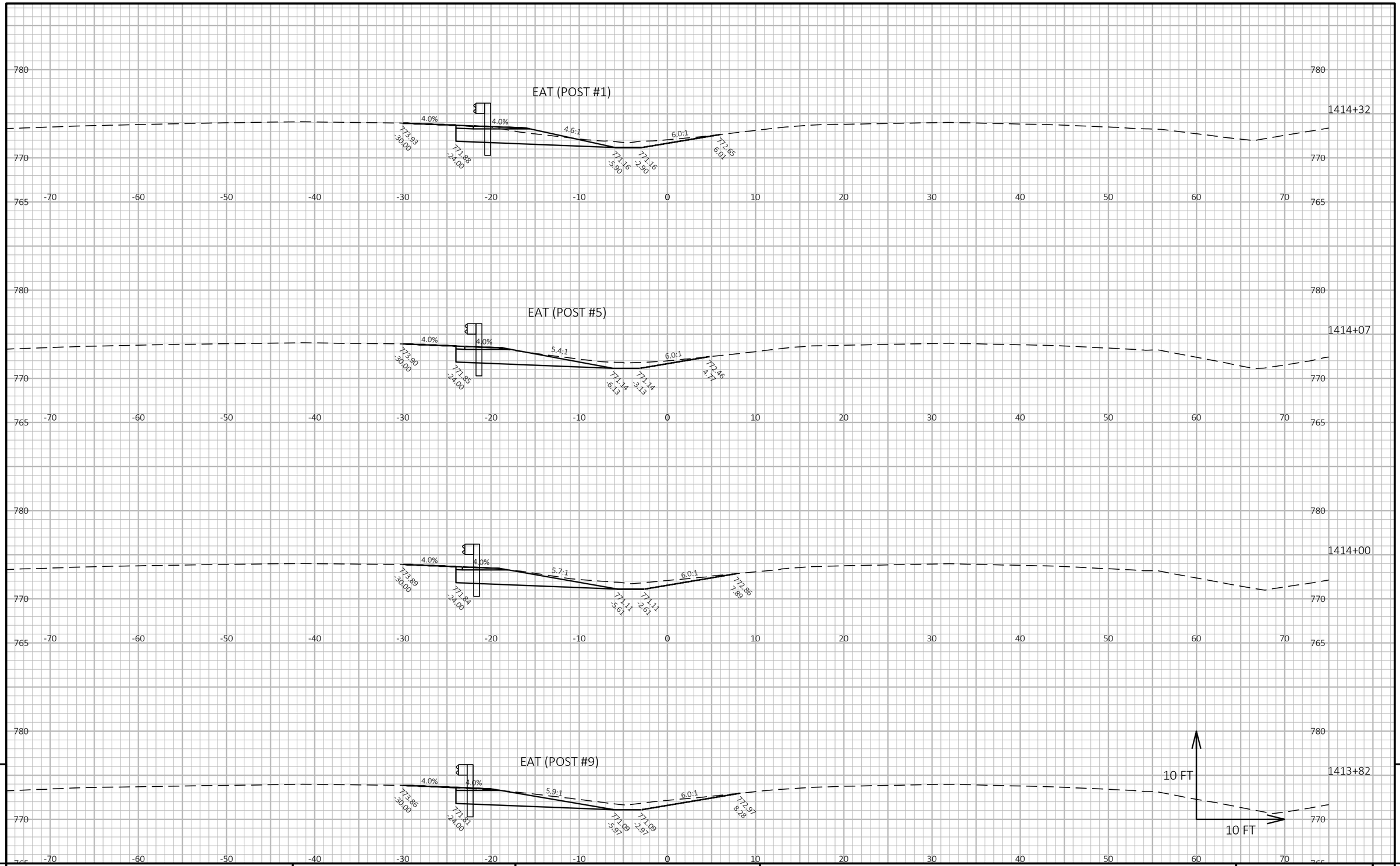


PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 578	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG46

PLOT DATE : 2/25/2022 3:25 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 579	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG47

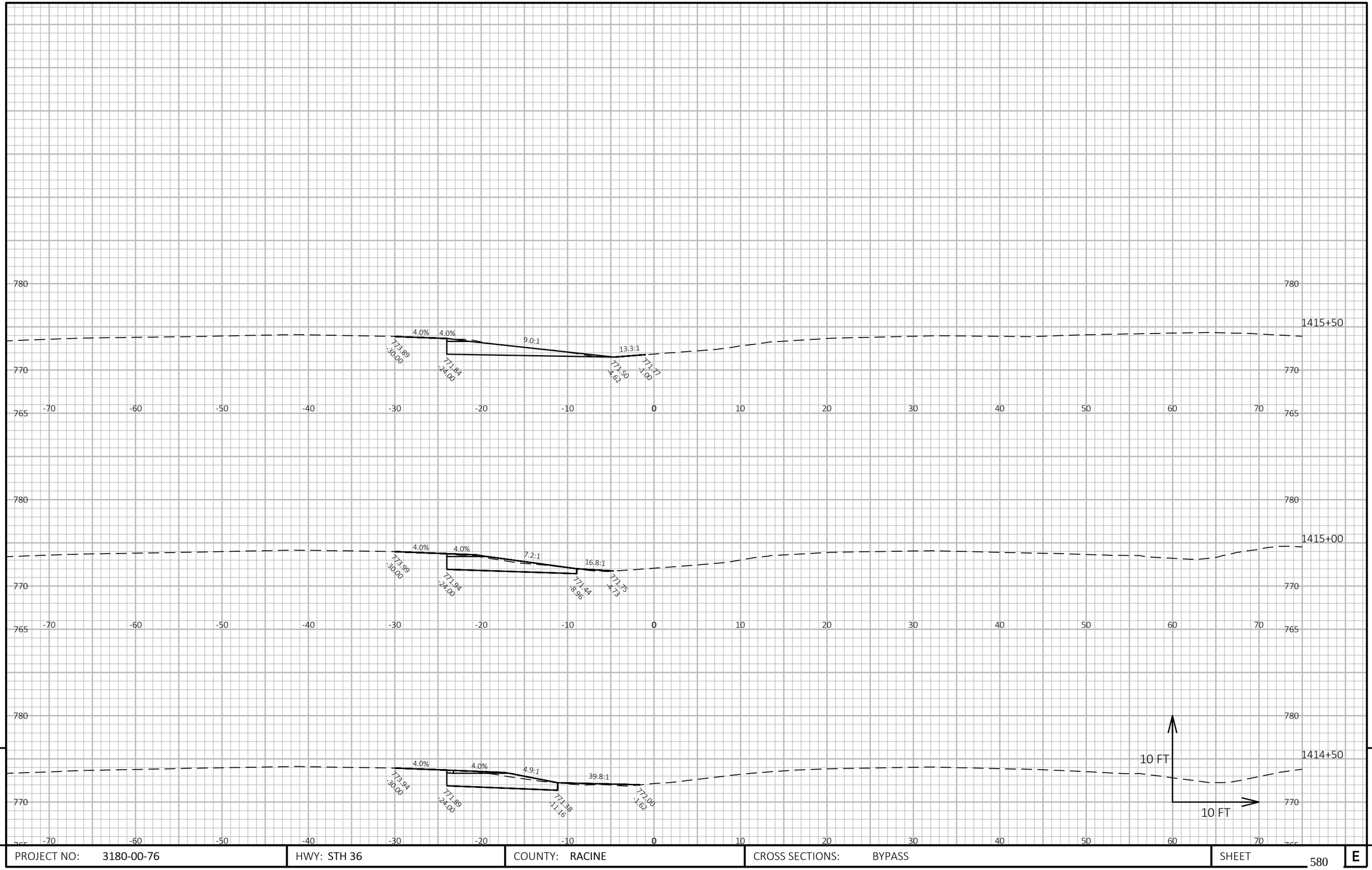
PLOT DATE : 2/25/2022 3:25 PM

PLOT BY : JOHNSON, ZACHARY

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3180-00-76	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: BYPASS	SHEET 580	E

FILE NAME : I:\49\49071300 BURLINGTON BYPASS EAST\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - BG48

PLOT DATE : 2/25/2022 3:26 PM PLOT BY : JOHNSON, ZACHARY PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov