WKE

Mar 08, 2022

PROJECT ID: 3120-01-61

WITH:

COUNTY: WAUKESHA

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 = 270

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

DOUSMAN - EAGLE

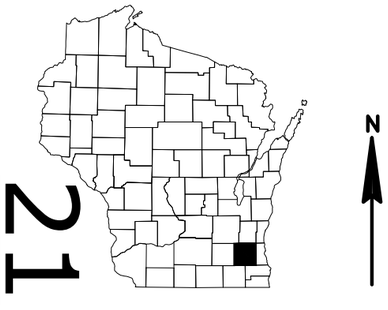
1000' N STH 59 TO 200' S USH 18

STH 67

WAUKESHA COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3120-01-61	WISC2022247	1

STATE PROJECT NUMBER
3120-01-61



21

N

STA 33+68 - STA 509+53			STA 509+53 - STA 558+40			STA 22+00 - STA 33+68		
DESIGN DESIGNATION			DESIGN DESIGNATION			DESIGN DESIGNATION		
A.A.D.T.	2021	=	A.A.D.T.	2021	= 9,500	A.A.D.T.	2021	= 3,100
A.A.D.T.	2041	=	A.A.D.T.	2041	= 11,500	A.A.D.T.	2041	= 4,000
D.H.V.		= 6.2%	D.H.V.		= 6.2%	D.H.V.		= 6.2%
D.D.		= 61/39	D.D.		= 61/39	D.D.		= 61/39
T.		= 6.6%	T.		= 6.6%	T.		= 6.6%
DESIGN SPEED		= 55 MPH	DESIGN SPEED		= 40 MPH	DESIGN SPEED		= 30 MPH
ESALS		= 1,100,000	ESALS		= 1,100,000	ESALS		= 1,100,000

CONVENTIONAL SYMBOLS

PLAN

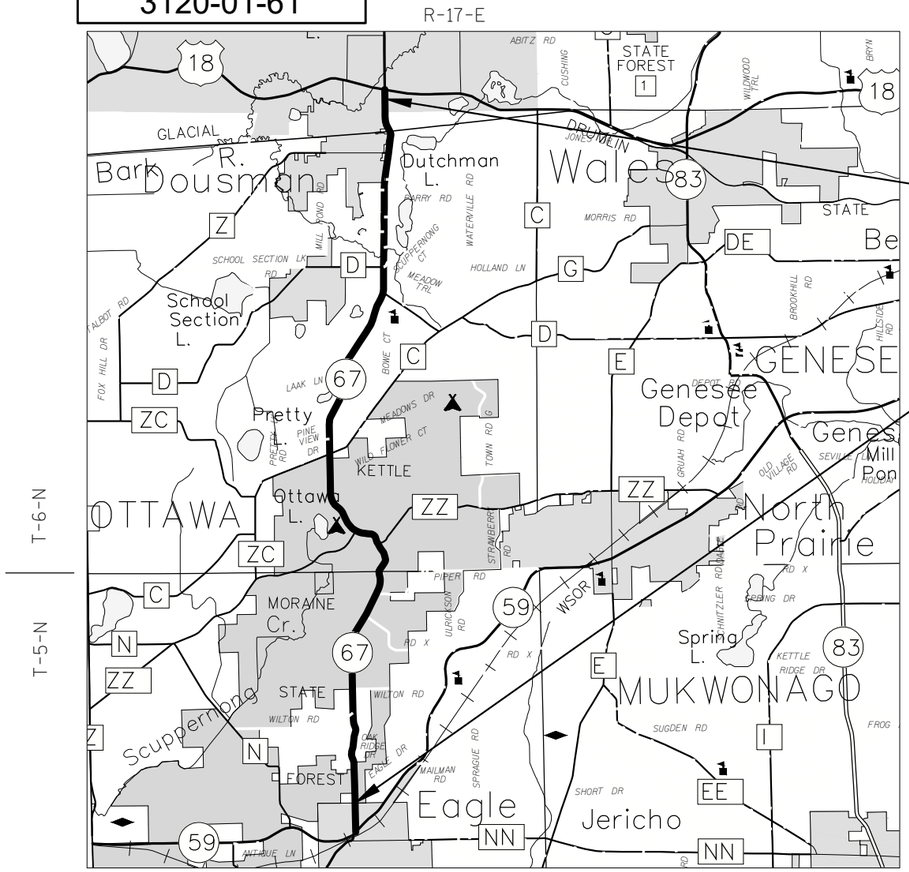
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

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



LAYOUT

SCALE 0 2 MILES

TOTAL NET LENGTH OF CENTERLINE = 10.159 MI.

END PROJECT 3120-01-61
STA. 558+40.00
X = 621,498.31
Y = 164,700.31

BEGIN PROJECT 3120-01-61
STA. 22+00.00
X = 618,367.58
Y = 114,727.93

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WAUKESHA 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).

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT SE REGION
Designer	WISDOT
Project Manager	MARTIN VILLACA
Regional Examiner	
Regional Supervisor	REEM SHAHIN

APPROVED FOR THE DEPARTMENT

DATE: 10/11/2021 Martin B. Villaca (Signature)

E

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. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL DIGGER'S HOTLINE OR ANY UTILITIES ON THE PROJECT THAT ARE NOT A MEMBER OF DIGGER'S HOTLINE.

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

EXISTING DRIVEWAY AND ENTRANCE SURFACES SHALL BE RESTORED IN-KIND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR WILL MAINTAIN ACCESS TO ALL DRIVEWAYS AND BUSINESSES AT ALL TIMES.

THE CONTRACTOR SHALL PLACE ALL TRAFFIC CONTROL DEVICES PRIOR TO BEGINNING ANY WORK ON THE ROADWAY.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM THE REMOVAL OF EXISTING SIGNS SHALL BE BACKFILLED WITH BASE AGGREGATE DENSE 3/4-INCH PER THE STATE OF WISCONSIN'S STANDARD SPECIFICATIONS. PAYMENT WILL BE INCLUDED IN THE COST FOR REMOVAL OF THE EXISTING SIGN.

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.

ALL DISTURBED AREAS NOT OTHERWISE SURFACED SHALL BE TOPSOILED, SEEDED AND COVERED WITH EROSION MAT. LANDSCAPE ALL DISTURBED AREAS AS THE PLAN SHOWS OR THE ENGINEER DIRECTS OR TEMPORARY SEED AND MULCH, AT CONTRACTOR COST, WITHIN TEN CALENDAR DAYS OF DISTURBANCE.

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

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE COUNTY SURVEYOR CONCERNING MONUMENT AND PROPERTY CORNER PRESERVATION. LANDMARK REFERENCE MONUMENTS SHALL BE PERPETUATED BY THE WAUKESHA COUNTY SURVEYOR.

COORDINATE WITH SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION (SEWRPC) FOR THE PERPETUATION OF SECTION CORNER (PUBLIC LAND SURVEY SYSTEM - PLSS) MONUMENTS. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH SEWRPC AND THE ENGINEER THROUGHOUT THE PERPETUATION PROCESS. THE CONTRACTOR WILL CONTACT SEWRPC AT (262) 953-4289 AT LEAST TWO WEEKS BEFORE STARTING CONSTRUCTION OPERATIONS OR THE PRECONSTRUCTION MEETING TO ALLOW FOR SECTION CORNER MONUMENT PERPETUATION.

SECTION CORNERS WITHIN THE ROADWAY WILL BE ADDRESSED WITH PAVING RINGS OR FULL DEPTH REPLACEMENT OF THE MONUMENT. THE SEWRPC REPRESENTATIVE WILL MAKE THE DETERMINATION OF THE EXTENT OF THE WORK INVOLVED WITH THE SECTION CORNER MONUMENTS BASED ON INSPECTION DURING CONSTRUCTION.

EXISTING CURB AND GUTTER TO REMAIN EXCEPT WHERE OTHERWISE NOTED. MATCH EXISTING CURB AND GUTTER FLANGE LINE WITH HMA PAVEMENT BY REDUCING HMA LAYER THICKNESS ALONG THE CURB AND GUTTER AS DIRECTED BY THE ENGINEER.

PRIOR TO THE PLACEMENT OF NEW GUARDRAIL AND ENERGY ABSORBING TERMINALS, THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED UNLESS SHOWN OTHERWISE.

SQUEEGEE ALL SAWCUT SLUDGE TO AGGREGATE SHOULDER OR CURB PAN, REMOVE, AND DISPOSE OF AT AN ACCEPTABLE MATERIAL DISPOSAL SITE OR ON ENGINEER-APPROVED AREAS OF THE ROADWAY OR ROADSIDE.

DIGGERS HOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com

HMA PAVING

LOCATION	THICKNESS	HMA PAVEMENT
STA 22+00 TO 303+00	2-INCH	4MT 58-28 S
STA 303+00 TO 558+40	2 1/2-INCH	4MT 58-28 S

UTILITIES

JAMES WINTER
CENTURYLINK
224 INDUSTRIAL DR
NORTH PRAIRIE, WI 53153
PHONE: (262) 392-5210
JAMES.WINTER@CENTURYLINK.COM

BRAHIM GADDOUR
LEVEL 3
3235 INTERTECH DR, SUITE 600
BROOKFIELD, WI 53045
PHONE: (414) 908-1027
BRAHIM.GADDOUR@LUMEN.COM

MARY FISHER
PAETEC COMMUNICATIONS, LLC
13935 BISHOPS DR
BROOKFIELD, WI 53005
PHONE: (262) 792-7938
MARY.B.FISHER@WINDSTREAM.COM

NEAL LONG
SPECTRUM
1320 N DR MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
PHONE: (414) 277-4271
NEAL.LONG@CHARTER.COM

JASON JARVIS
SPRINT COMMUNICATIONS, LLC
7459 W 79TH ST
BRIDGEVIEW, IL 60455
PHONE: (219) 433-4091

JOE KITELINGER
VILLAGE OF DOUSMAN UTILITIES (SANITARY SEWER)
PO BOX 264
DOUSMAN, WI 53118
PHONE: (262) 965-3302
JOE.KITELINGER@VILLAGEOFDOUSMAN.COM

JOE KITELINGER
VILLAGE OF DOUSMAN UTILITIES (WATER)
PO BOX 264
DOUSMAN, WI 53118
PHONE: (262) 965-3302
JOE.KITELINGER@VILLAGEOFDOUSMAN.COM

BRYAN STOEHR
WE ENERGIES (ELECTRIC)
500 S 116TH ST
WEST ALLIS, WI 53214
PHONE: (414) 416-6059
BRYAN.STOEHR@WE-ENERGIES.COM

JACOB SPENCER
WE ENERGIES (GAS)
S13 W33800 STH 18
DELAFIELD, WI 53018
PHONE: (262) 968-7009
JACOB.SPENCER@WE-ENERGIES.COM

GREG SELISSEN
KETTLE MORAINE SCHOOL DISTRICT
P.O. BOX 11064
GREEN BAY, WI 54307
PHONE: (920) 328-8452
GSELISSEN@MCEWI.COM

WDNR

CRAIG WEBSTER
DNR SERVICE CENTER
141 NW BARSTOW STREET
ROOM 180
WAUKESHA, WI 53188
(262) 574-2141
CRAIG.WEBSTER@WISCONSIN.GOV

OTHER CONTACTS

VILLAGE OF DOUSMAN CLERK
PENNY NISSEN
118 SOUTH MAIN STREET
DOUSMAN, WI 53118
PHONE: 262-965-3792

TOWN OF EAGLE ENGINEER
MICHAEL N. PAULOS
GRAEF
275 W WISCONSIN AVENUE
SUITE 300
MILWAUKEE, WI 53203
PHONE: (414) 259-1500

VILLAGE OF EAGLE ENGINEER
CHRIS GENELLIE
RUEKERT & MIELKE
W233 N2080 RIDEVIEW PARKWAY
WAUKESHA, WI 53188-1020
PHONE: (262) 542-5733

VILLAGE OF EAGLE CLERK
KELLY JONES
820 E MAIN STREET
EAGLE, WI 53199
PHONE: (262) 594-3400

TOWN OF OTTAWA CLERK
MELISSA KLEIN
W360 S3337 HIGHWAY 67
DOUSMAN, WI 53118
PHONE: (262) 965-3228

KAREN BRAUN
WAUKESHA COUNTY PUBLIC WORKS ADMIN/ENGINEERING DIV.
515 W. MORELAND BLVD
WAUKESHA, WI 53188
PHONE: (262) 548-7740

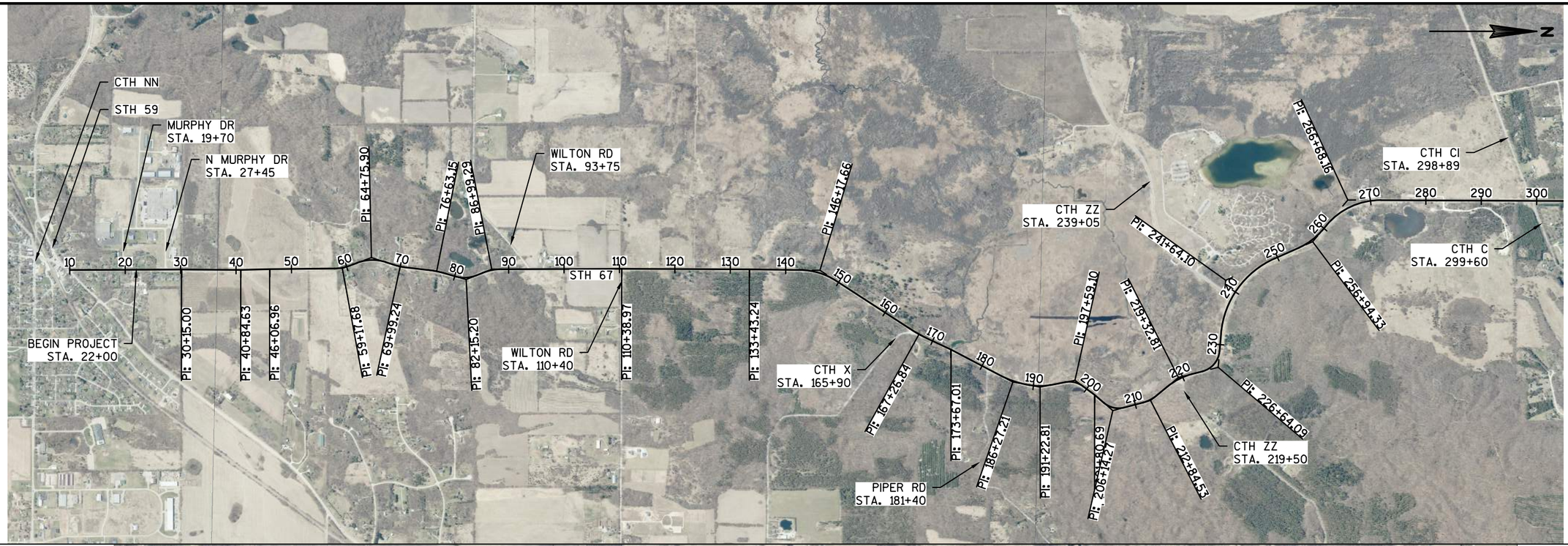
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
ROB MERRY
W239N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE: (262) 953-4289

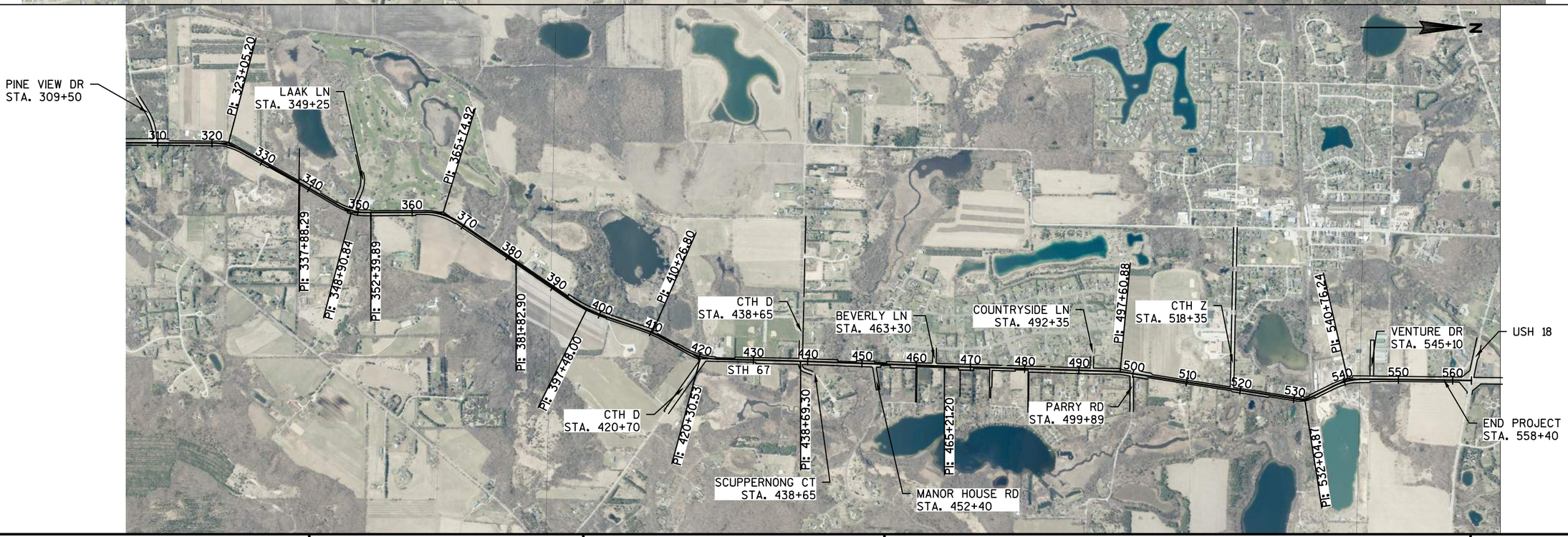
ERIC PEREA
WISCONSIN DEPARTMENT OF TRANSPORTATION - STREET LIGHTING
141 NW BARSTOW ST
WAUKESHA, WI 53188
PHONE: (262) 574-5422
ERIC.PEREA@DOT.WI.GOV

DERRIN WOLFORD
WISCONSIN DEPARTMENT OF TRANSPORTATION - WISCONSIN SIGNAL
141 NW BARSTOW ST
WAUKESHA, WI 53188
PHONE: (262) 521-4409
DERRIN.WOLFORD@DOT.WI.GOV

2

2

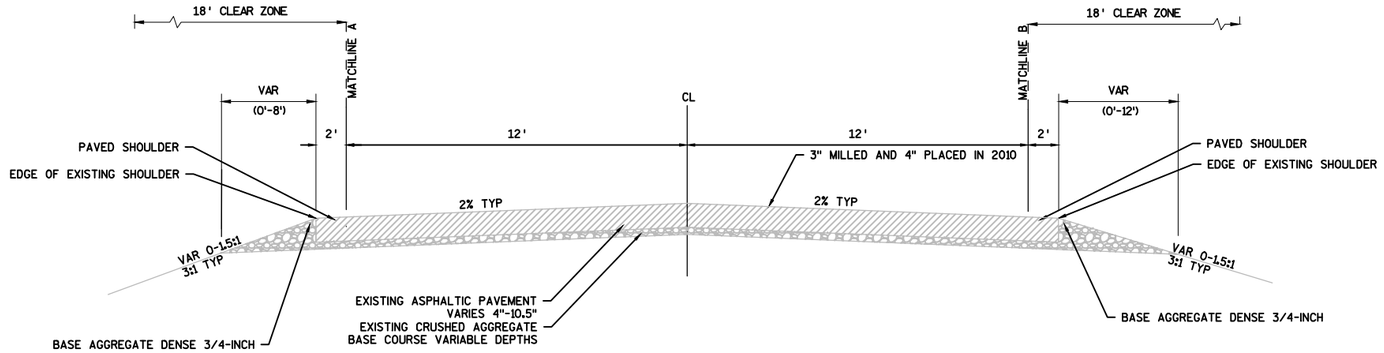




PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PROJECT OVERVIEW	SHEET 3 E

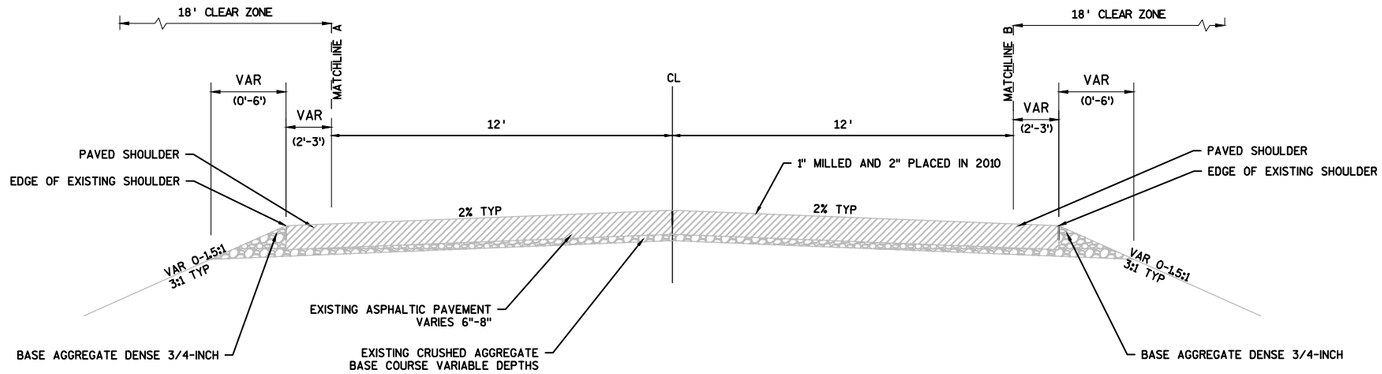
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LAYOUT NAME - 020201_PO - 020201
PLOT DATE : 4/27/2021 11:42 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:2000 FT
WISDOT/CADDS SHEET 42

2



TYPICAL EXISTING SECTION

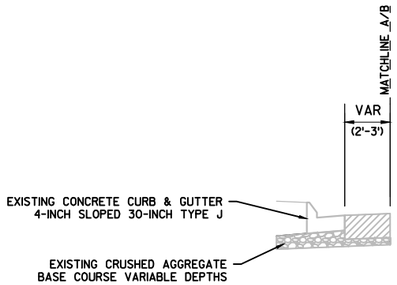
STH 67
STA. 22+00 - 303+00



TYPICAL EXISTING SECTION

STH 67
STA. 303+00 - 558+40

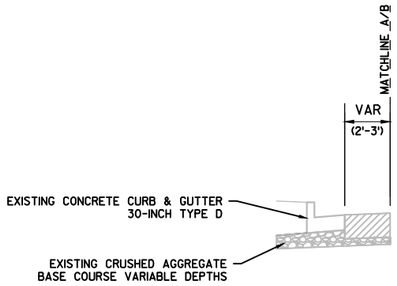
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN: EXISTING TYPICAL SECTIONS	SHEET 4 E



URBAN SECTION

LEFT SIDE SHOWN. MIRROR FOR RIGHT

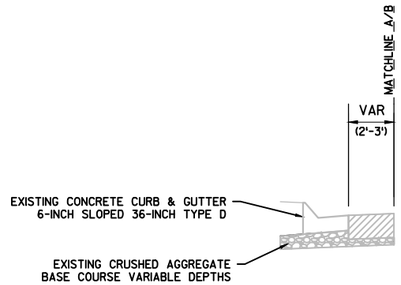
87+61 - 89+31 RT
89+95 - 91+14 LT
115+43 - 120+10 RT
158+95 - 160+04 LT
160+34 - 161+11 RT
162+25 - 164+15 RT
167+45 - 172+81 RT
174+92 - 181+07 RT
185+28 - 186+60 RT
195+97 - 198+00 RT
215+00 - 216+21 RT



URBAN SECTION

LEFT SIDE SHOWN. MIRROR FOR RIGHT

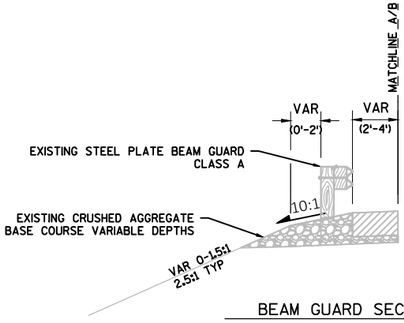
78+56 - 84+12 LT (ASPHALT)
331+45 - 345+66 RT
423+78 - 438+17 LT
449+73 - 454+08 LT
457+50 - 460+18 LT
484+79 - 490+70 LT
486+09 - 489+26 RT
495+08 - 495+83 LT
495+72 - 496+64 RT
524+02 - 533+19 LT



URBAN SECTION

LEFT SIDE SHOWN. MIRROR FOR RIGHT

490+70 - 495+83 LT
489+26 - 495+72 RT

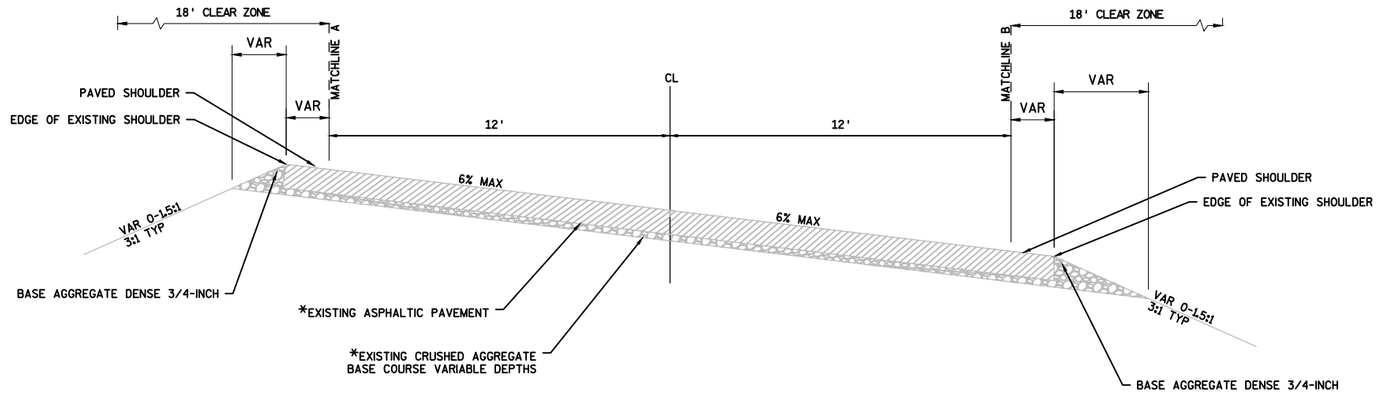


BEAM GUARD SECTION

LEFT SIDE SHOWN. MIRROR FOR RIGHT

61+29 - 65+75 RT
68+17 - 71+10 LT
75+89 - 84+11 LT
87+44 - 92+15 RT
88+79 - 93+08 LT
197+66 - 201+01 RT
203+27 - 215+08 LT
220+48 - 228+99 LT
332+28 - 335+69 LT
346+36 - 348+80 LT
393+49 - 397+54 LT
414+57 - 417+58 RT
443+53 - 446+57 RT
444+35 - 447+38 LT
523+39 - 524+70 RT

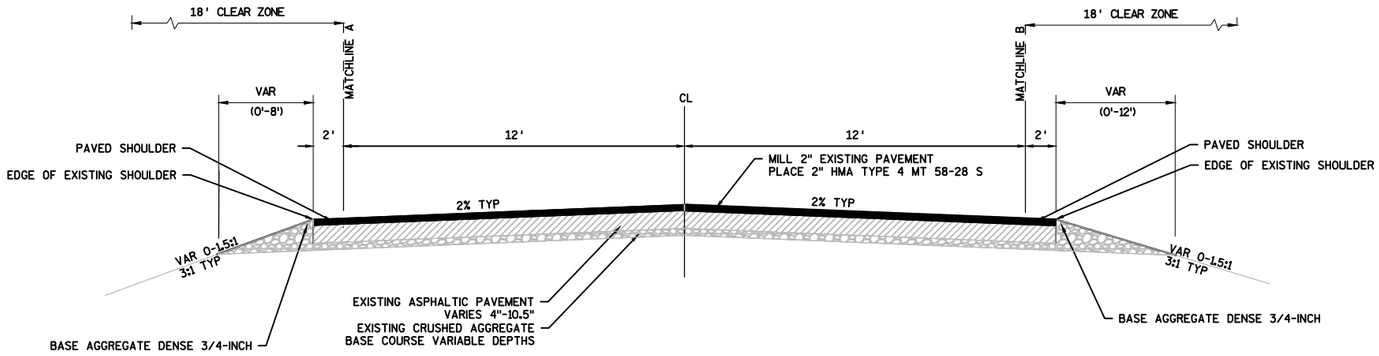
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TYPICAL FINISHED SECTION - SUPERELVATION

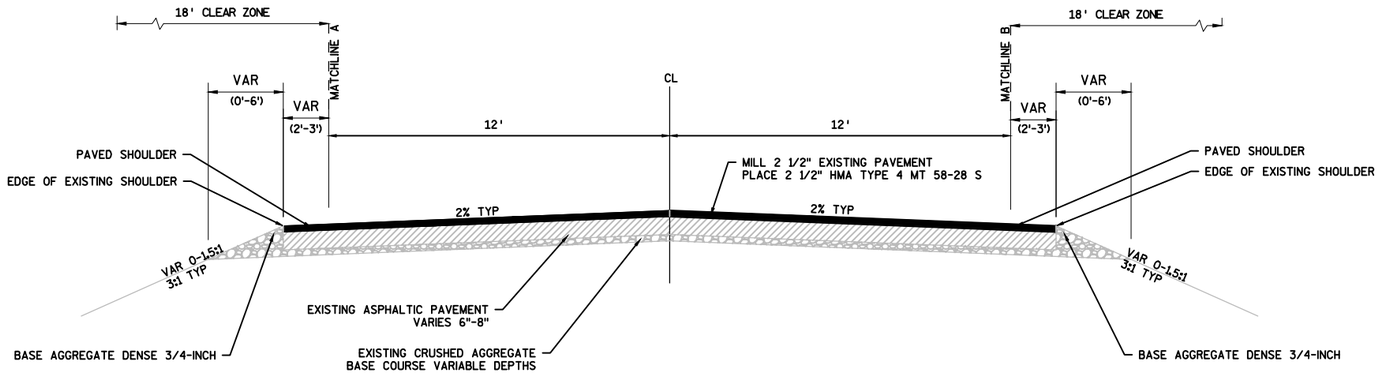
STH 67
STA. 22+00 - 558+40
*SEE NORMAL CROWN SECTIONS FOR DEPTHS

2



TYPICAL FINISHED SECTION

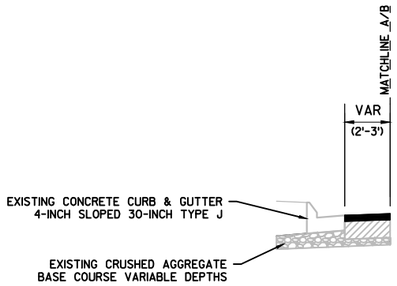
STH 67
STA. 22+00 - 303+00
SEE TABLE IN GENERAL NOTES FOR HMA LAYER AND GRADATION SPECIFICATIONS



TYPICAL FINISHED SECTION

STH 67
STA. 303+00 - 558+40
SEE TABLE IN GENERAL NOTES FOR HMA LAYER AND GRADATION SPECIFICATIONS

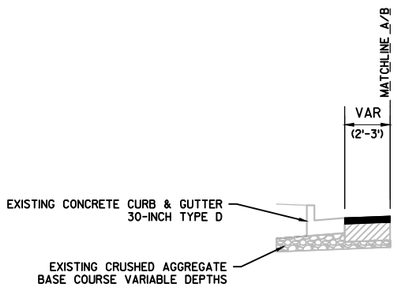
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN: FINISHED TYPICAL SECTIONS	SHEET 7 E



URBAN SECTION

LEFT SIDE SHOWN. MIRROR FOR RIGHT

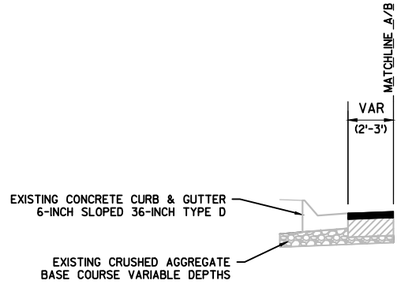
87+61 - 89+31 RT
89+95 - 91+14 LT
115+43 - 120+10 RT
158+95 - 160+04 LT
160+34 - 161+11 RT
162+25 - 164+15 RT
167+45 - 172+81 RT
174+92 - 181+07 RT
185+28 - 186+60 RT
195+97 - 198+00 RT
215+00 - 216+21 RT



URBAN SECTION

LEFT SIDE SHOWN. MIRROR FOR RIGHT

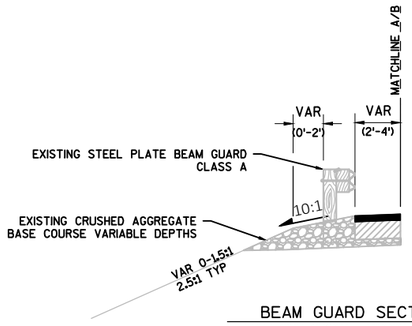
78+56 - 84+12 LT (ASPHALT)
331+45 - 345+66 RT
423+78 - 438+17 LT
449+73 - 454+08 LT
457+50 - 460+18 LT
484+79 - 490+70 LT
486+09 - 489+26 RT
495+08 - 495+83 LT
495+72 - 496+64 RT
524+02 - 533+19 LT



URBAN SECTION

LEFT SIDE SHOWN. MIRROR FOR RIGHT

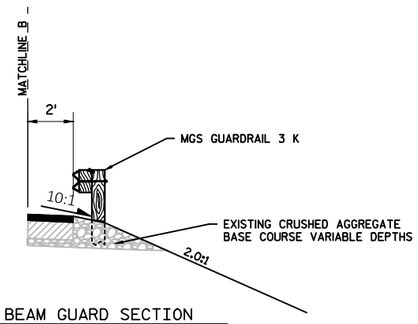
490+70 - 495+83 LT
489+26 - 495+72 RT



BEAM GUARD SECTION

LEFT SIDE SHOWN. MIRROR FOR RIGHT

61+29 - 65+75 RT
68+17 - 71+10 LT
75+89 - 84+11 LT
87+44 - 92+15 RT
88+79 - 93+08 LT
197+66 - 201+01 RT
203+27 - 215+08 LT
220+48 - 228+99 LT
332+28 - 335+69 LT
346+36 - 348+80 LT
393+49 - 397+54 LT
414+57 - 417+58 RT
443+53 - 446+57 RT
444+35 - 447+38 LT

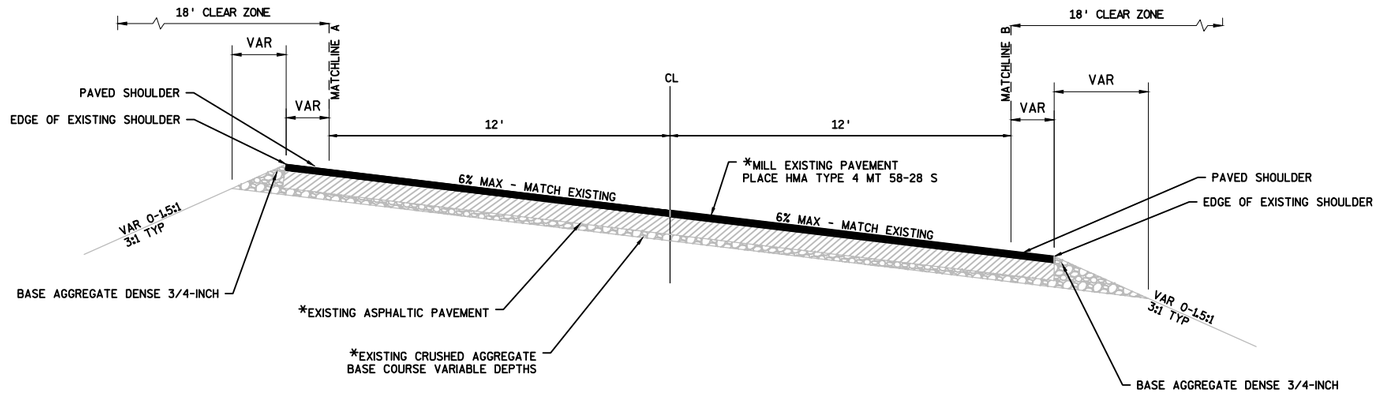


BEAM GUARD SECTION

523+39 - 524+70 RT

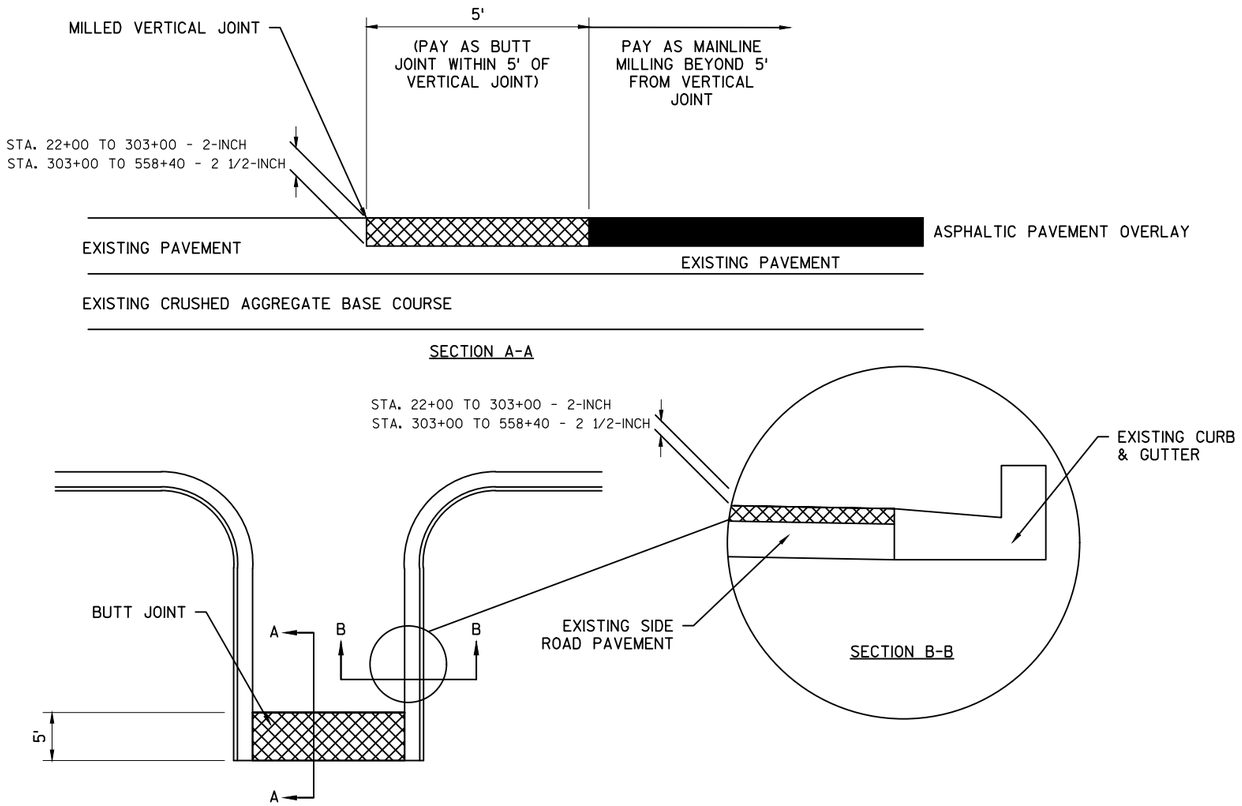
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN: FINISHED TYPICAL SECTIONS	SHEET 8 E

2



TYPICAL FINISHED SECTION - SUPERELVATION

STH 67
STA. 22+00 - 558+40
*SEE NORMAL CROWN SECTIONS FOR DEPTHS



SECTION A-A

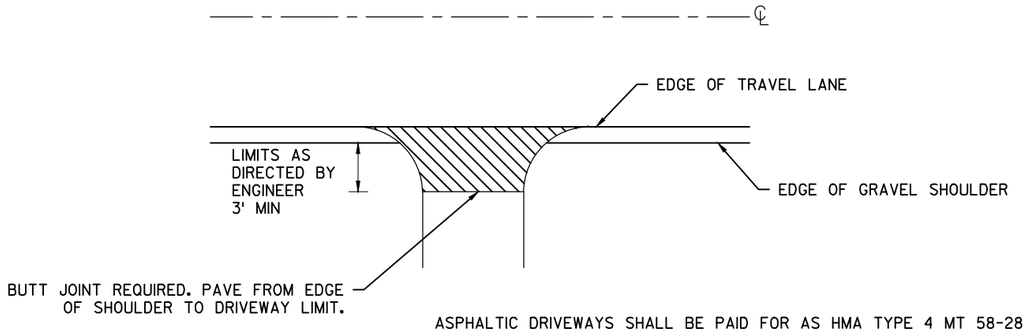
MAINLINE MILL & OVERLAY

REMOVING ASPHALT SURFACE BUTT JOINTS

REMOVING ASPHALTIC BUTT JOINTS DETAIL - TYPICAL

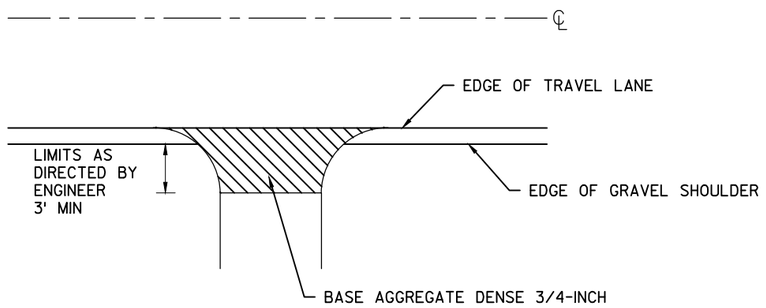
LOCATIONS

STH 67 22+00
STH 67 558+40
NORTH MURPHY DRIVE
WILTON ROAD WEST
WILTON ROAD EAST
ROAD X
PIPER ROAD
CTH ZZ WEST
CTH ZZ EAST
CTH C/CI WEST
CTH C/CI EAST
PINE VIEW DRIVE
LAAK LANE
CTH D EAST
CTH D WEST
SCUPPERNONG COURT
MANOR HOUSE ROAD
COUNTRY LANE
PARRY ROAD
CTH Z
VENTURE DRIVE

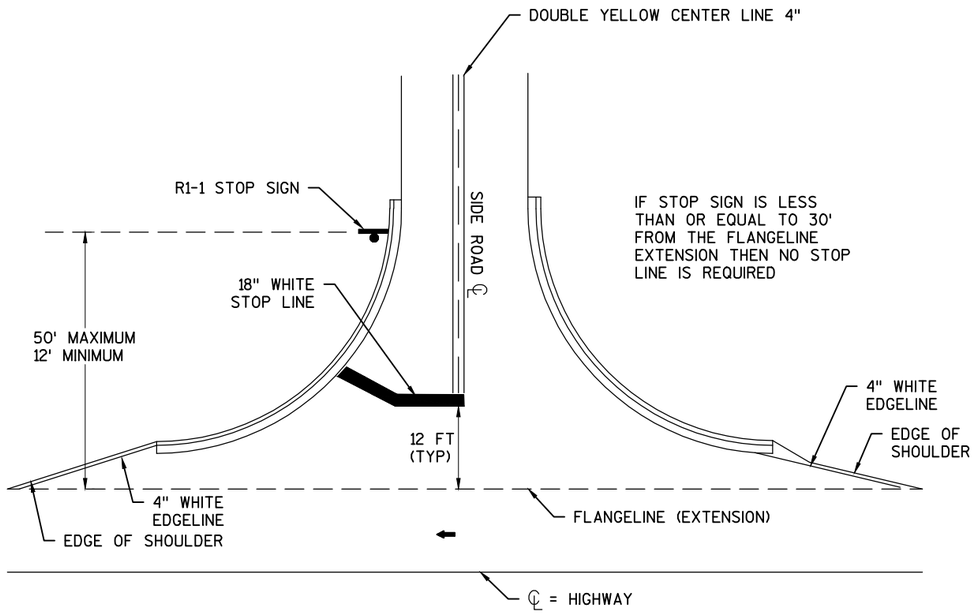


ASPHALTIC DRIVEWAYS SHALL BE PAID FOR AS HMA TYPE 4 MT 58-28 S. ANY ADDITIONAL BASE AGG. DENSE REQ'D. SHALL BE PAID UNDER ITEM - "BASE AGGREGATE DENSE 3/4-INCH"

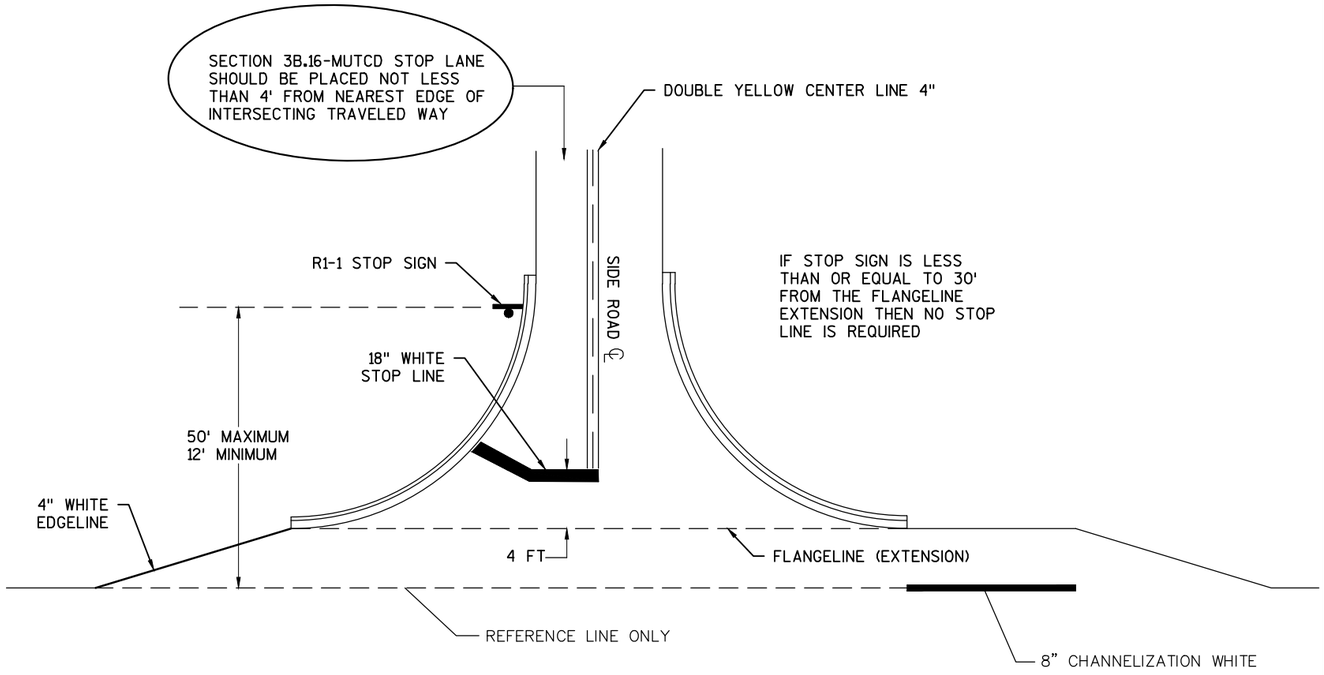
RURAL DRIVEWAY DETAIL - ASPHALT



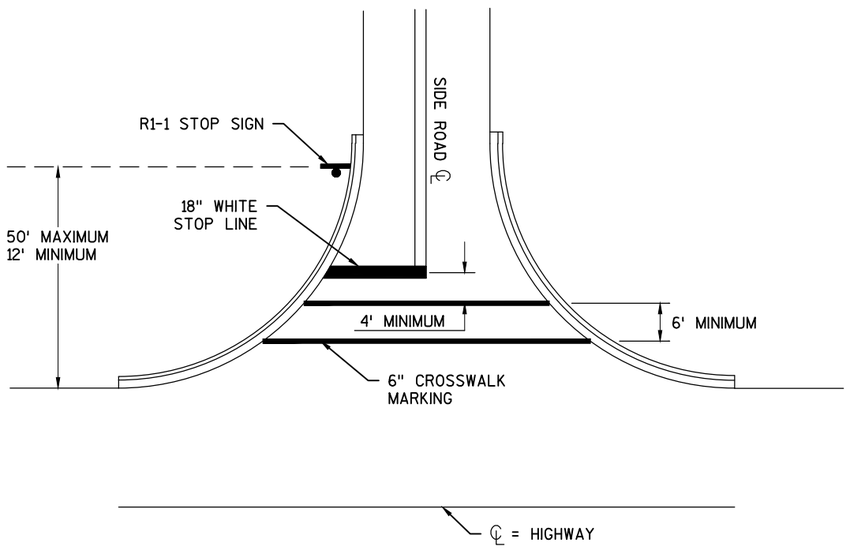
RURAL DRIVEWAY DETAIL - GRAVEL



TYPICAL PAVEMENT MARKING FOR SIDEROADS



TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE

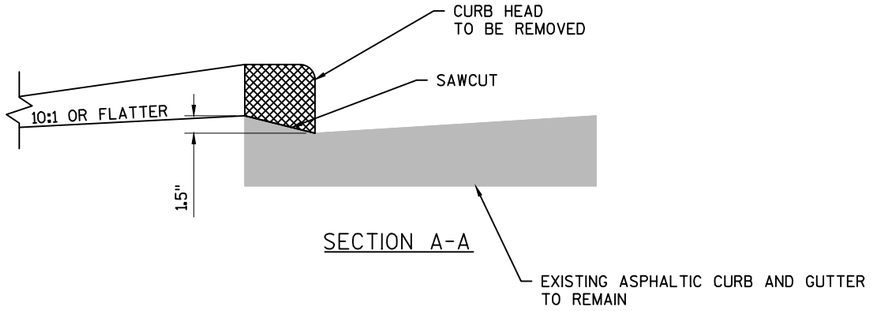


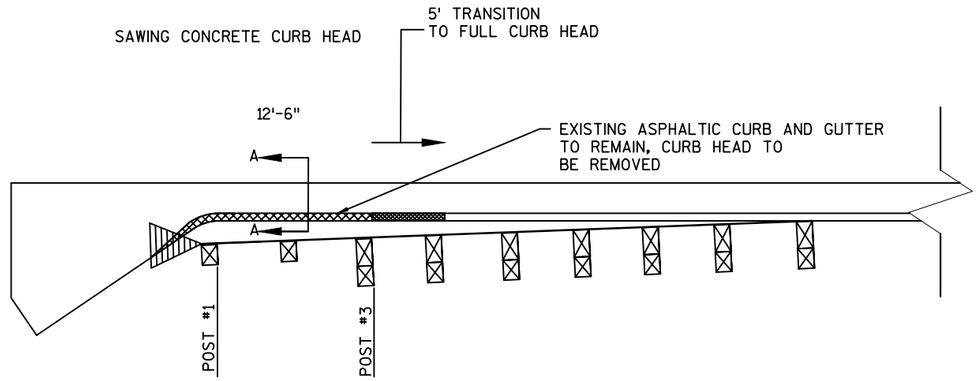
TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

NOTES:
18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

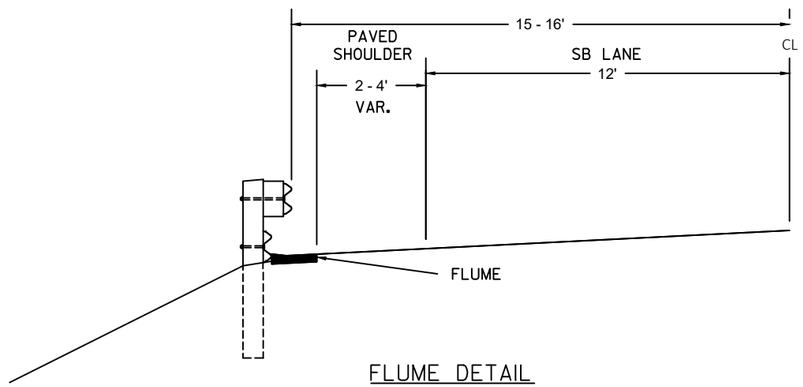
STOP LINES REQUIRED WHERE:

- CROSSWALK MARKINGS EXIST OR BEING PROVIDED
- LARGE RADII
- OFFSET LEFT TURNS WHERE STOP BAR FOR LEFT TURN IS SET BACK FROM THRU MOVEMENT.





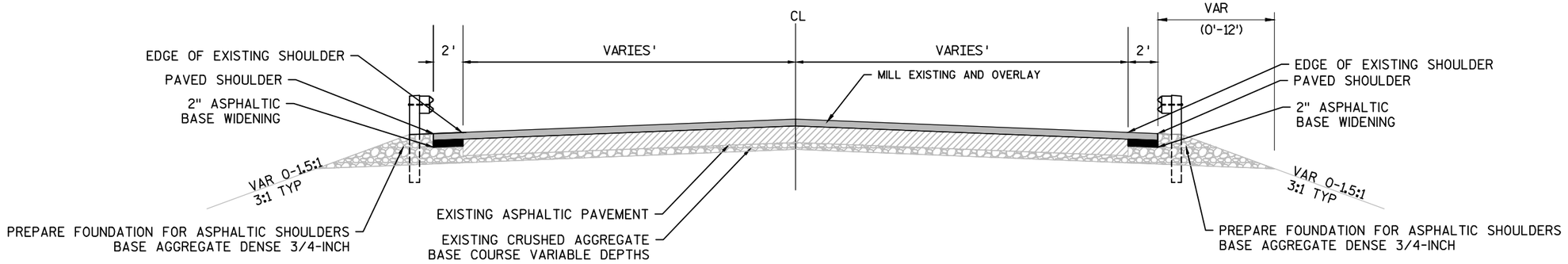
SAWING CURB HEAD AT E.A.T.
STA 83+93 - 84+15 LT



FLUME DETAIL

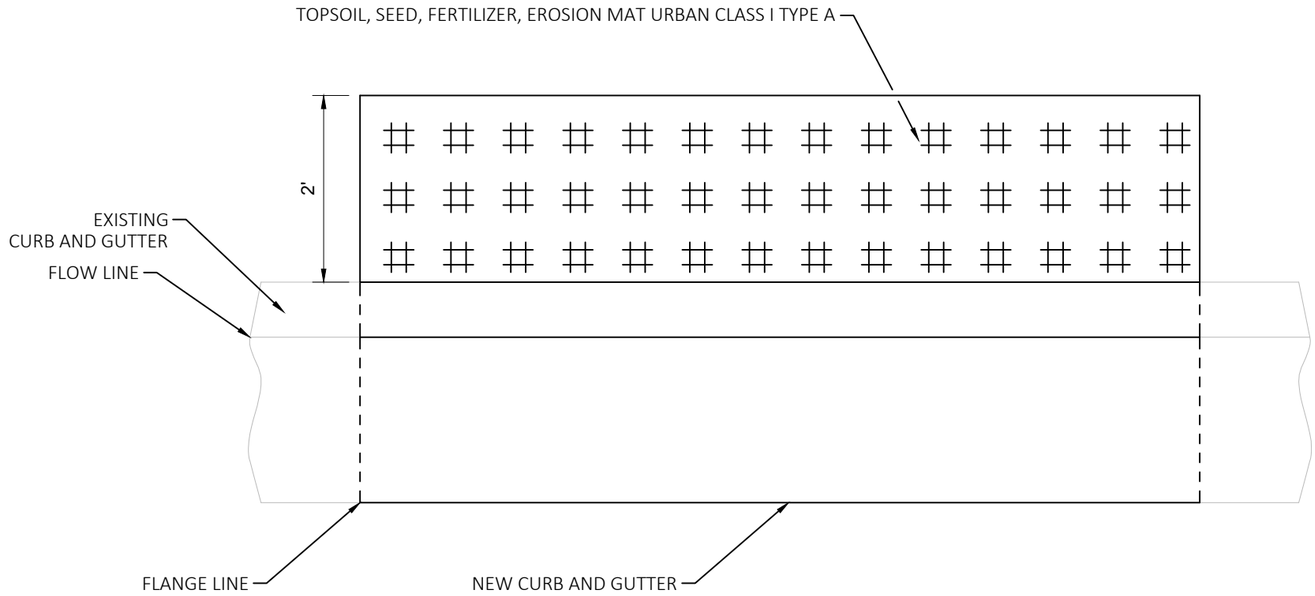
STA. 223+92 - 226+00 LT

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET 12 E



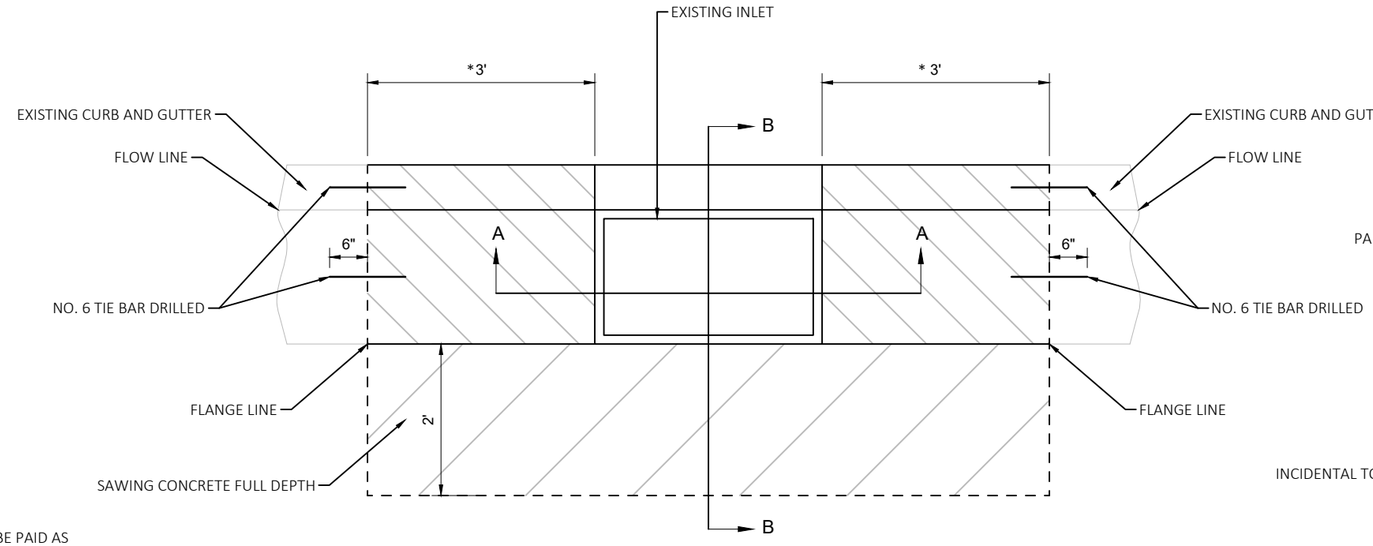
E.A.T. PAVING DETAIL

STH 67
STA. 22+00 - 303+00
SEE TYPICAL SECTIONS FOR MILLING AND PAVING DEPTHS

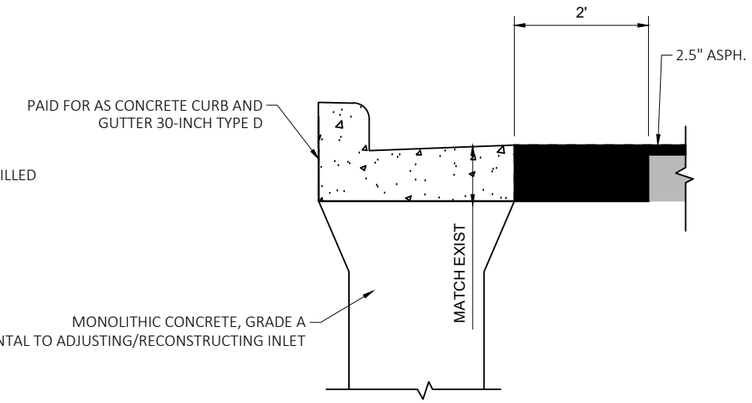


PERMANENT EROSION CONTROL AT CURB
AND GUTTER REPLACEMENT

2



PLAN VIEW

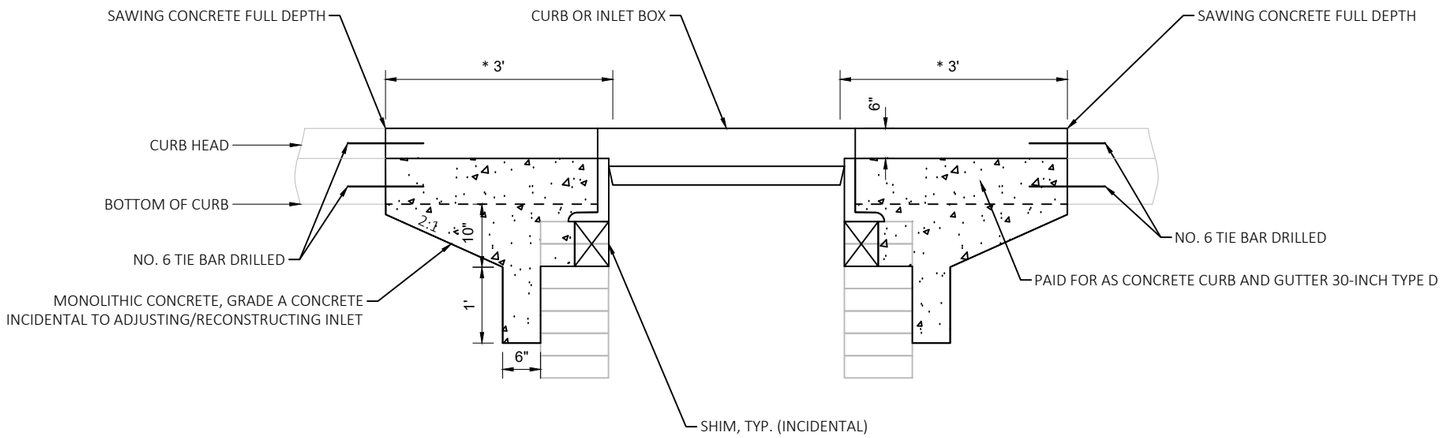


SECTION B-B

TO BE PAID AS
REMOVING CURB AND GUTTER

TO BE PAID AS
REMOVING ASPHALTIC PAVEMENT

* REMOVE 3' CURB & GUTTER MIN.
OR TO THE NEAREST JOINT, 6' MAX.
UNLESS OTHERWISE NOTED.



SECTION A-A

GENERAL DRAINAGE STRUCTURE NOTES:

1. THE CURB BOX OPENING SHALL BE SEALED BEFORE POURING CONCRETE CURB TO PREVENT CONCRETE FROM ENTERING STRUCTURE.

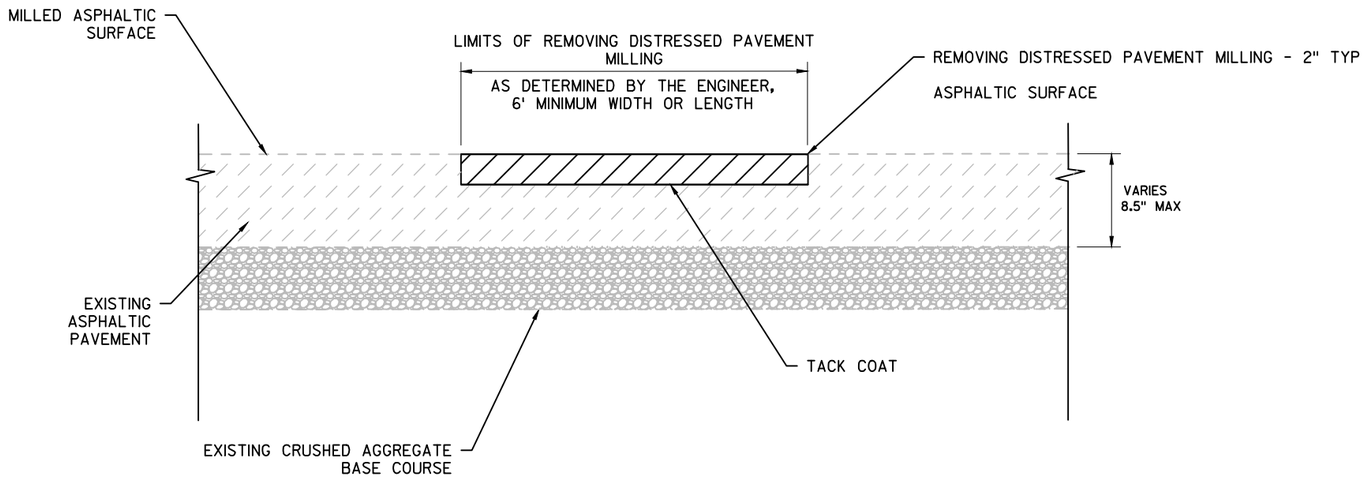
2. SAWING OF EXISTING CURB AND GUTTER SHALL BE PAID FOR AS "SAWING CONCRETE."

3. SAWING OF ASPHALT SHALL BE PAID FOR AS "SAWING ASPHALT."

4. NO. 6 DRILLED TIE BARS TO BE PAID AS DRILLED TIE BARS.

ADJUSTING/RECONSTRUCTING INLET DETAIL

2



REMOVING DISTRESSED PAVEMENT MILLING

NOTES:

MILL EXISTING SURFACE 2" OR 2 1/2" PER TYPICAL SECTION PRIOR TO REMOVING DISTRESSED PAVEMENT.

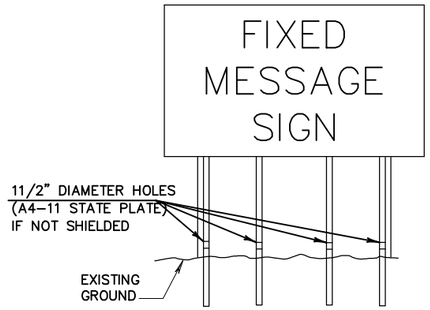
REMOVE DISTRESSED PAVEMENT BY MILLING 2" INCREMENTS.

PLACE ASPHALTIC SURFACE 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.



FRONT VIEW

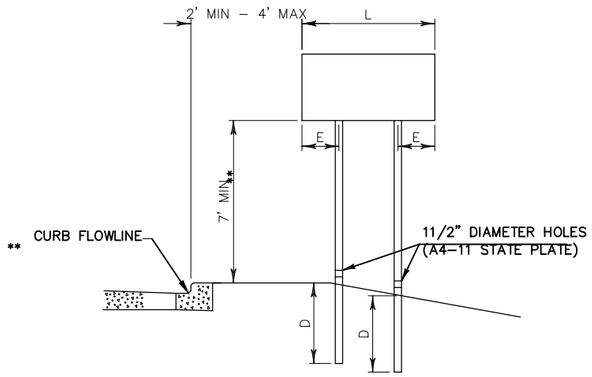
NOTES

1. SEE TRAFFIC CONTROL SHEETS FOR SIGN LOCATIONS.
2. SEE TABLES BELOW FOR REQUIRED NUMBER OF POSTS.

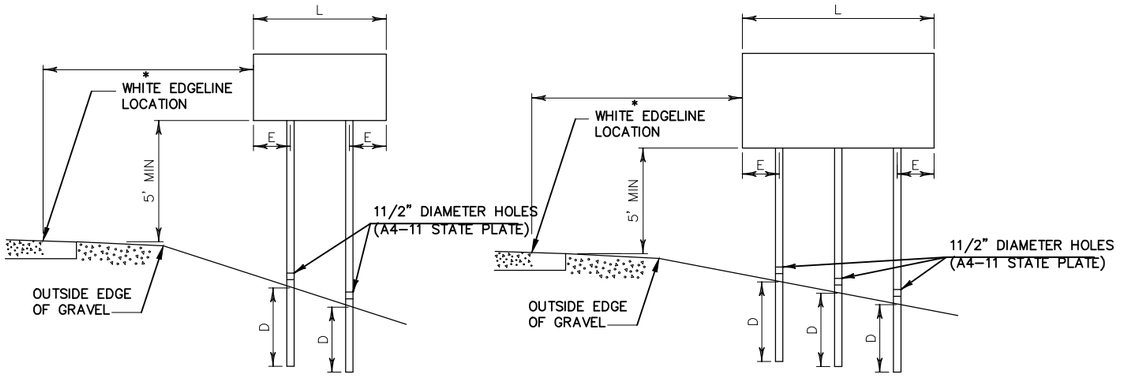
* 6' FROM EDGE OF A PAVED SHOULDER OR 12' FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER UNLESS DIRECTED BY PROJECT ENGINEER.

** 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. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5' MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

3. 4X6 WOOD POSTS SHALL HAVE TWO HOLES PER STATE PLATE A4–11



URBAN AREA



RURAL AREA

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
GREATER THAN 48" LESS THAN 60"	12"
60" TO 120"	L/5

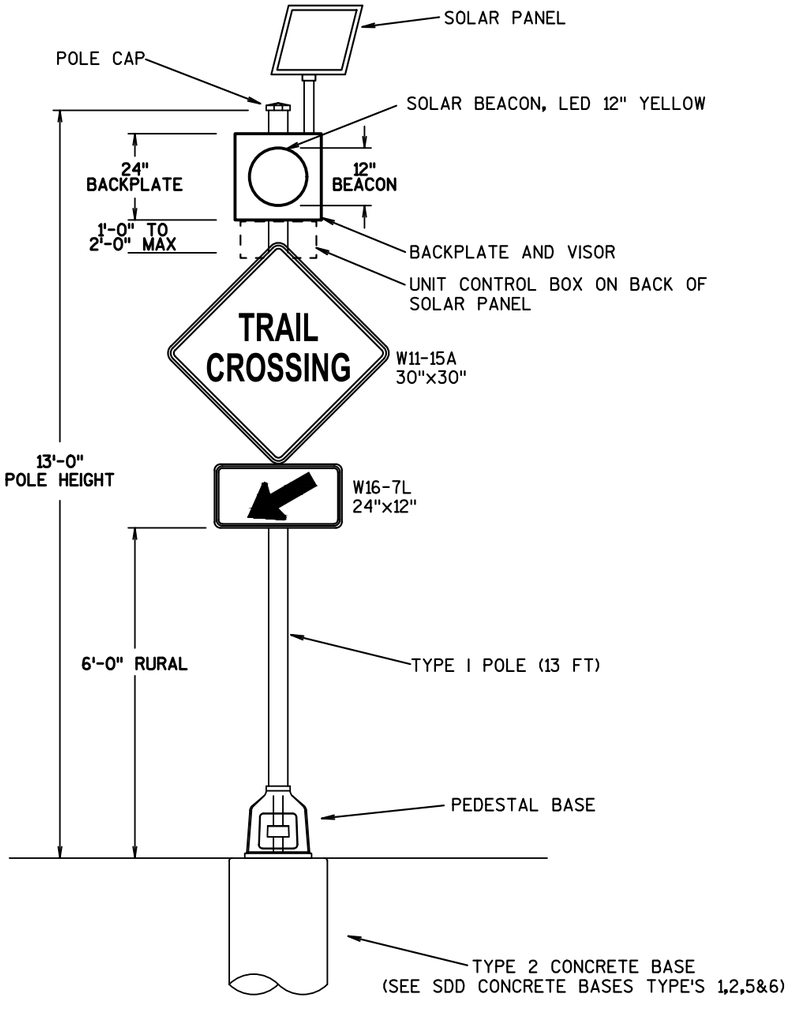
SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
GREATER THAN 120" LESS THAN 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" AND GREATER	12"

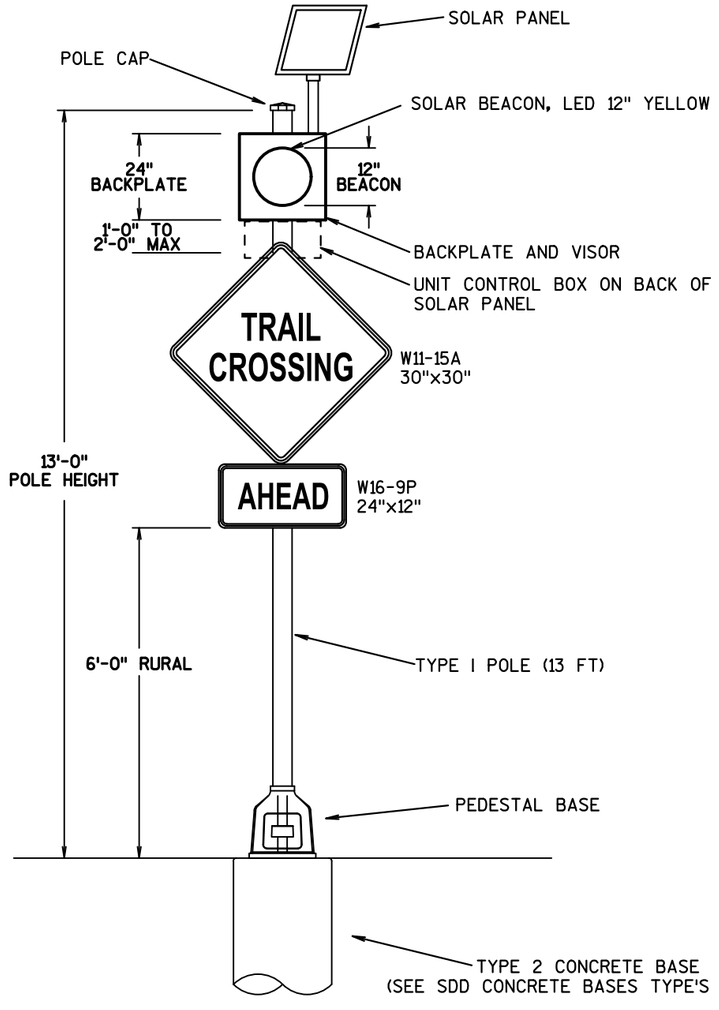
POST EMBEDMENT DEPTH

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

POST MOUNTING DETAIL FOR TRAFFIC CONTROL FIXED MESSAGE SIGNS



13' SOLAR BEACON ASSEMBLY
CROSSROAD WARNING SIGN APPLICATION



13' SOLAR BEACON ASSEMBLY
CROSSROAD WARNING SIGN APPLICATION

2

2

N

LEGEND

RESIN BINDER HIGH FRICTION SURFACE TREATMENT

SEE SDD 15D45
TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL.
KEEP SIGNS IN PLACE UNTIL CONTRACTOR VACCUUM SWEEPS 3 TO 7 DAYS AFTER APPLICATION.

BEGIN HIGH FRICTION SURFACE TREATMENT
STA 193+50

PC: 195+79.88

PT: 199+17.72

STAGE 1A

PT: 201+80.69

PC: 204+01.95

PT: 207+92.64

PC: 211+45.44

PT: 214+19.31

PC: 216+76.94

STH 67

END HIGH FRICTION SURFACE TREATMENT
STA 210+23

PC: 231+95.27

END HIGH FRICTION SURFACE TREATMENT
STA 231+09

PT: 228+78.90

STAGE 1B

PT: 221+80.42

PC: 223+73.43

BEGIN HIGH FRICTION SURFACE TREATMENT
STA 221+43

CTH ZZ

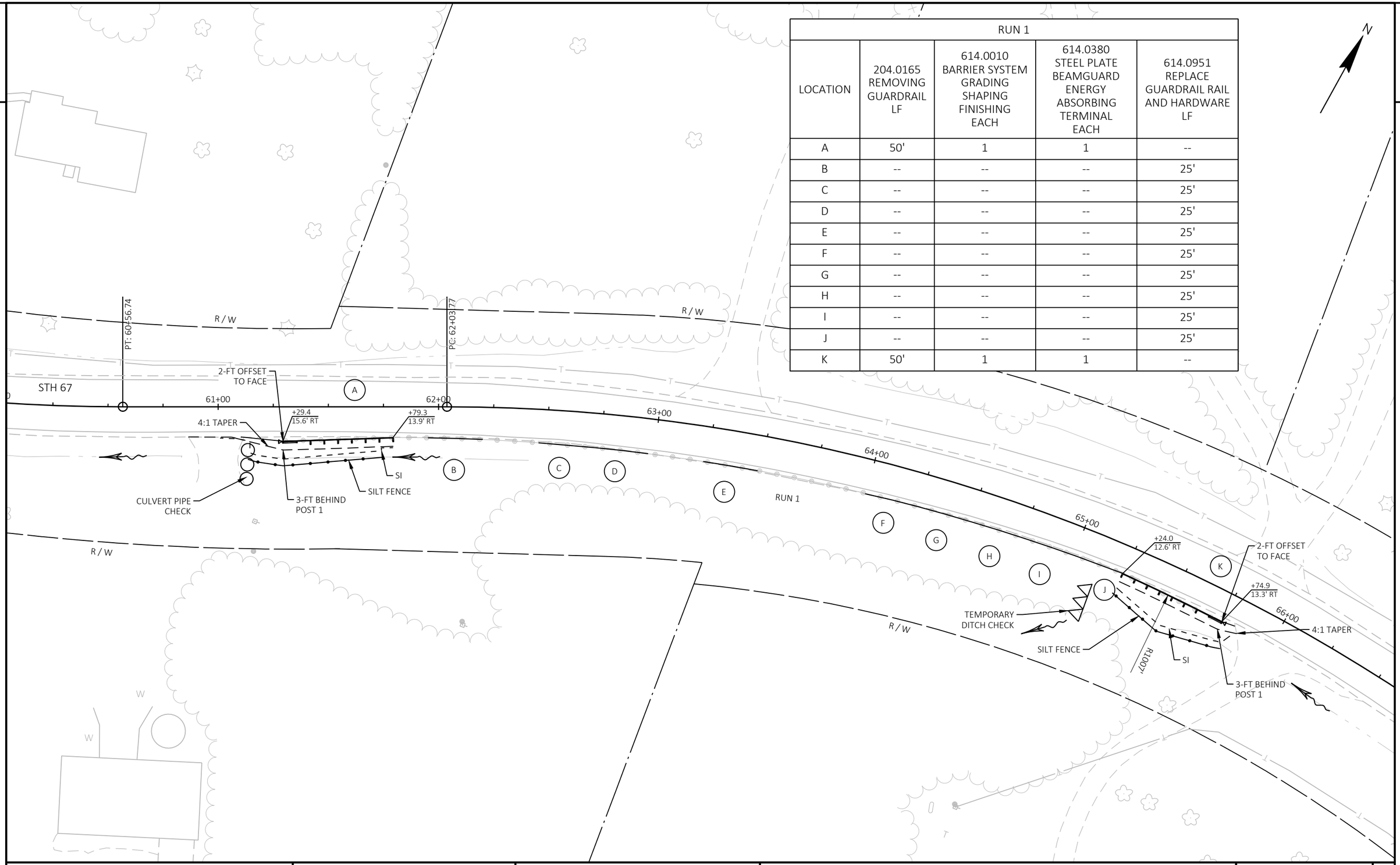
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	HIGH FRICTION SURFACE TREATMENT	SHEET 18	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021050-HFST.DWG
LAYOUT NAME - Plan 1 IN 200 FT

PLOT DATE : 8/11/2021 8:08 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:200 FT

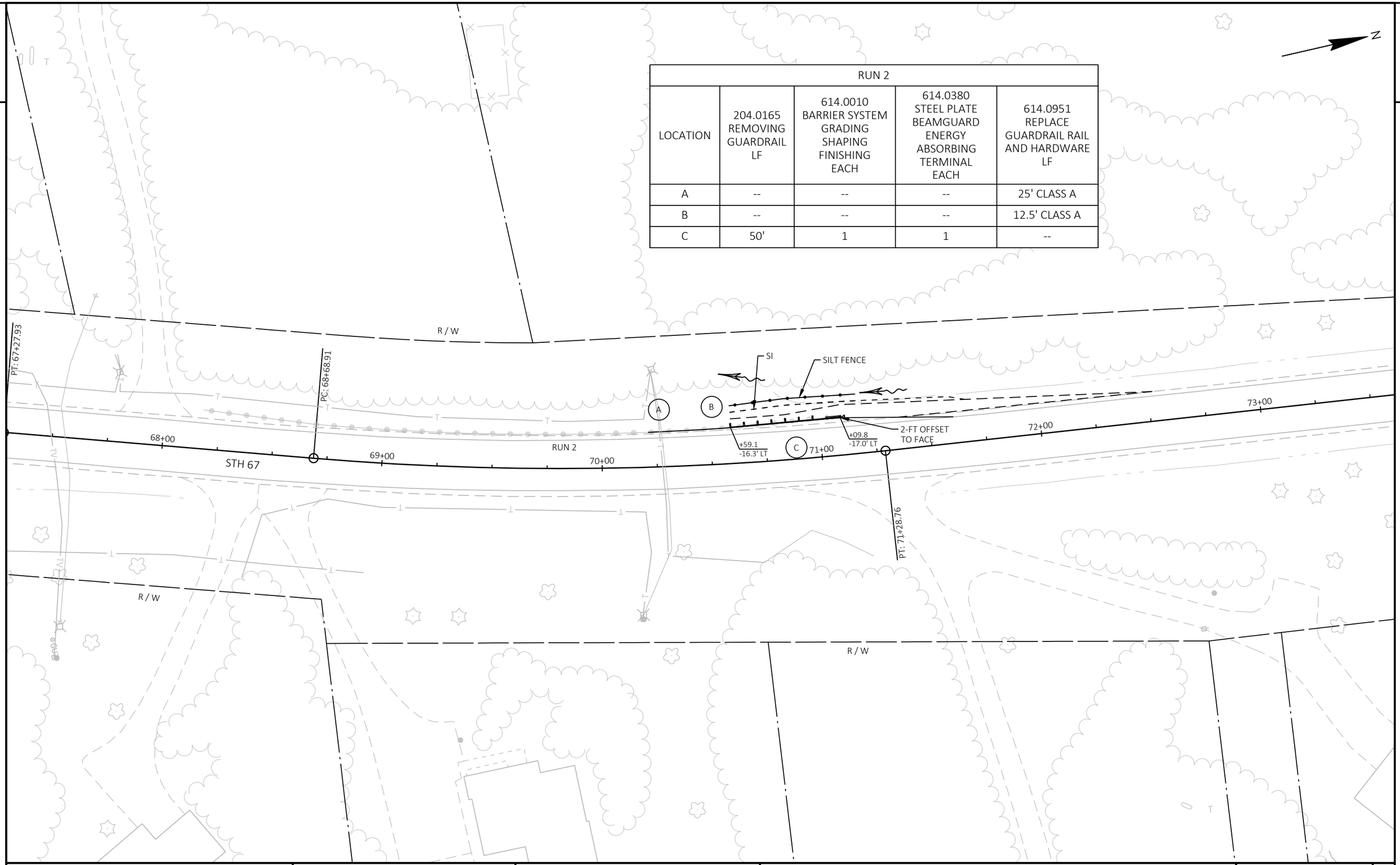
WISDOT/CADDS SHEET 42

RUN 1				
LOCATION	204.0165 REMOVING GUARDRAIL LF	614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING EACH	614.0380 STEEL PLATE BEAMGUARD ENERGY ABSORBING TERMINAL EACH	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	50'	1	1	--
B	--	--	--	25'
C	--	--	--	25'
D	--	--	--	25'
E	--	--	--	25'
F	--	--	--	25'
G	--	--	--	25'
H	--	--	--	25'
I	--	--	--	25'
J	--	--	--	25'
K	50'	1	1	--



PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD AND EROSION CONTROL DETAIL - RUN 1	SHEET 19 E

RUN 2				
LOCATION	204.0165 REMOVING GUARDRAIL LF	614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING EACH	614.0380 STEEL PLATE BEAMGUARD ENERGY ABSORBING TERMINAL EACH	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	--	--	--	25' CLASS A
B	--	--	--	12.5' CLASS A
C	50'	1	1	--

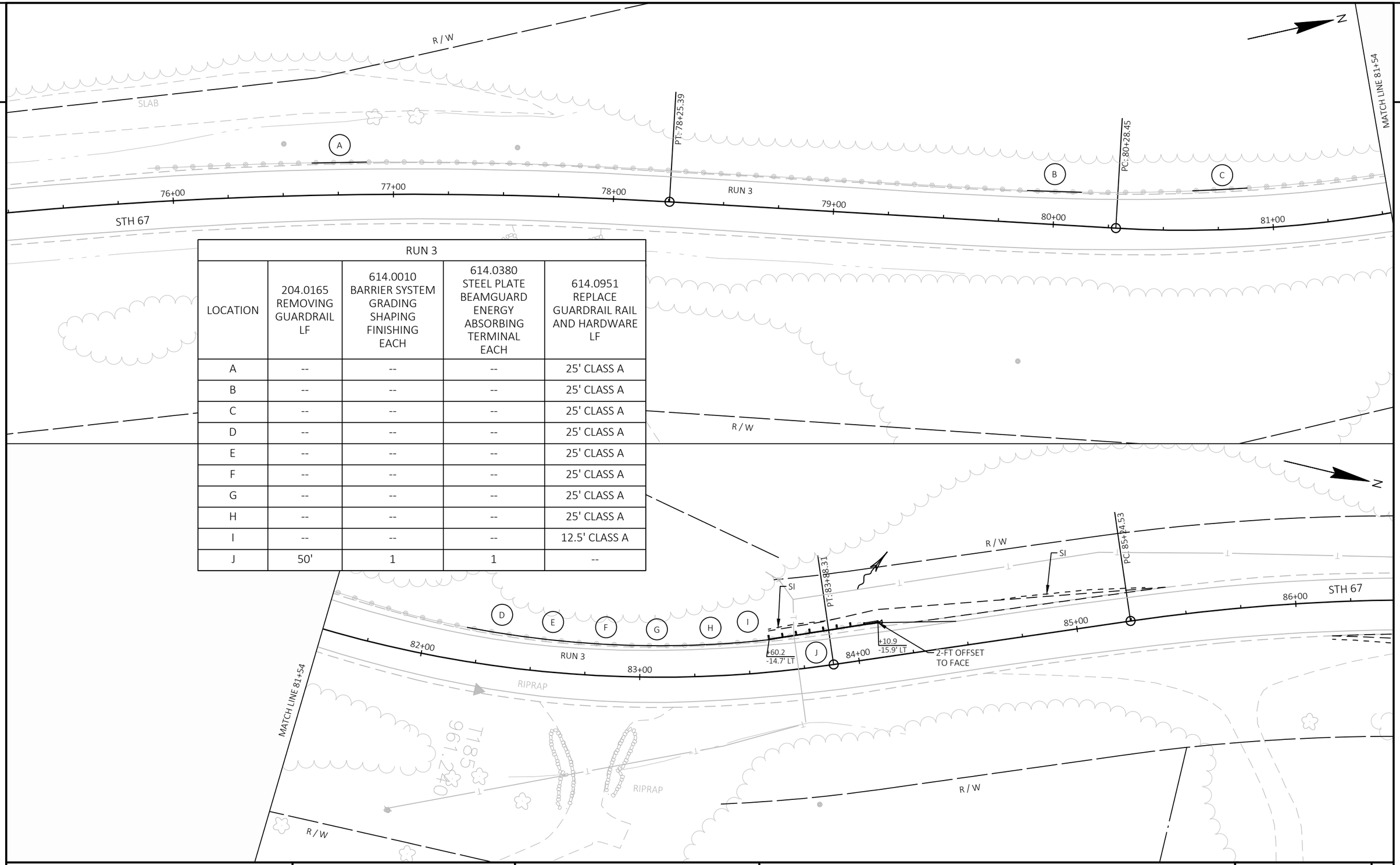


PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGARD AND EROSION CONTROL DETAIL - RUN 2	SHEET 20	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021051-BG_40.DWG
LAYOUT NAME - RUN_2

PLOT DATE : 9/27/2021 10:01 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

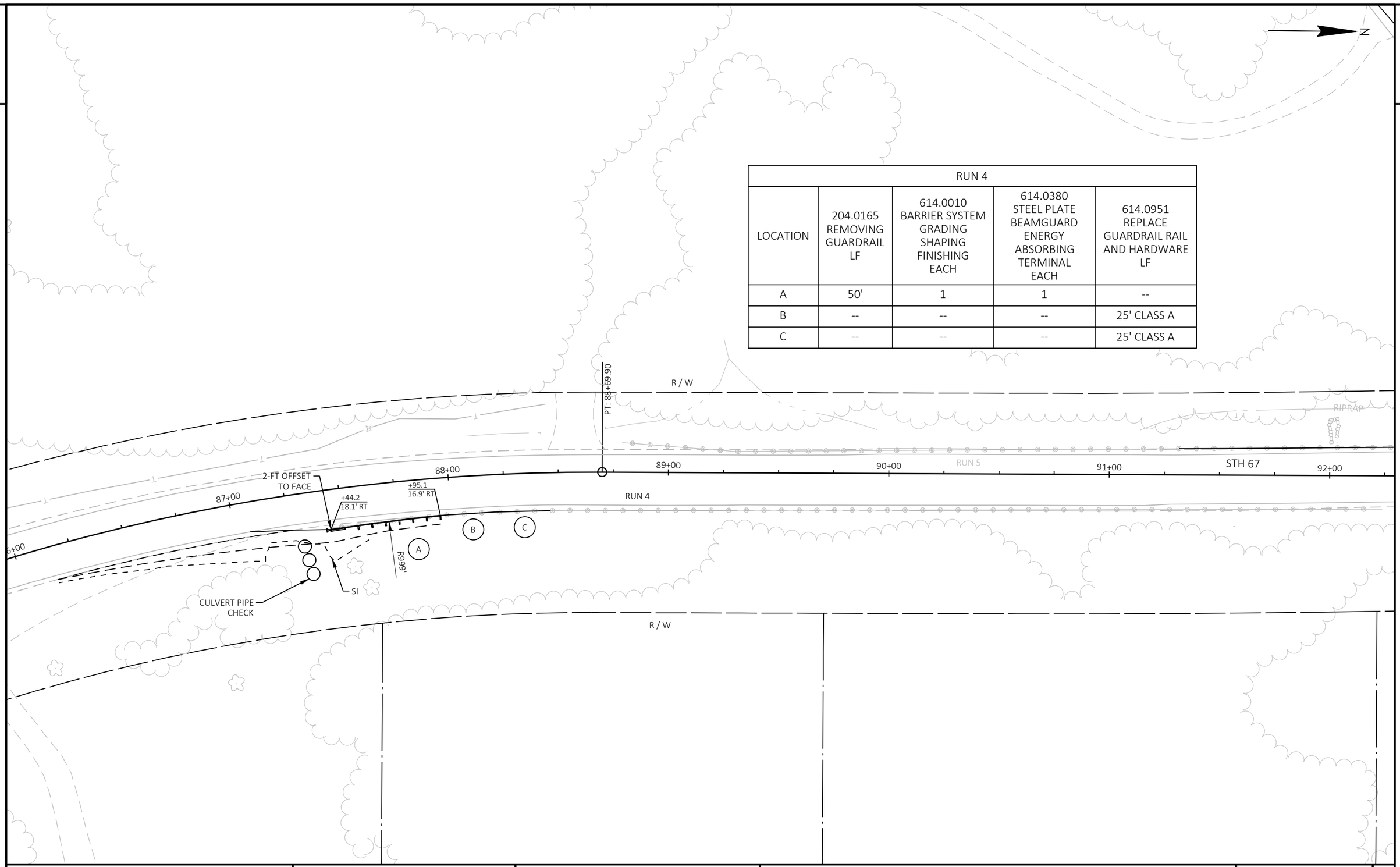


RUN 3				
LOCATION	204.0165 REMOVING GUARDRAIL LF	614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING EACH	614.0380 STEEL PLATE BEAMGUARD ENERGY ABSORBING TERMINAL EACH	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	--	--	--	25' CLASS A
B	--	--	--	25' CLASS A
C	--	--	--	25' CLASS A
D	--	--	--	25' CLASS A
E	--	--	--	25' CLASS A
F	--	--	--	25' CLASS A
G	--	--	--	25' CLASS A
H	--	--	--	25' CLASS A
I	--	--	--	12.5' CLASS A
J	50'	1	1	--

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD AND EROSION CONTROL DETAIL - RUN 3	SHEET 21	E

2

RUN 4				
LOCATION	204.0165 REMOVING GUARDRAIL LF	614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING EACH	614.0380 STEEL PLATE BEAMGUARD ENERGY ABSORBING TERMINAL EACH	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	50'	1	1	--
B	--	--	--	25' CLASS A
C	--	--	--	25' CLASS A

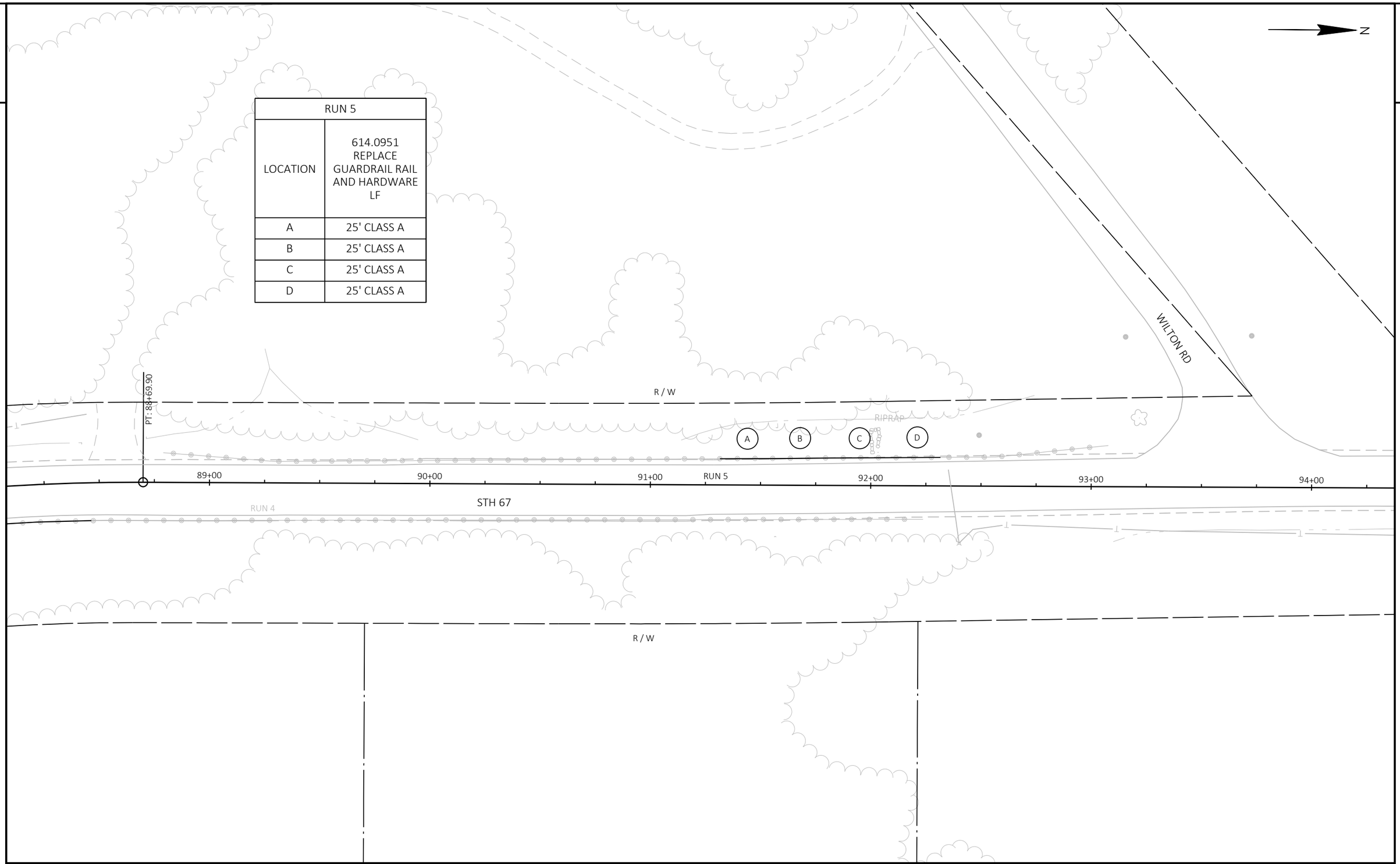


PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD AND EROSION CONTROL DETAIL - RUN 4	SHEET 22	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021051-BG_40.DWG
LAYOUT NAME - RUN_4

PLOT DATE : 9/27/2021 10:03 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:40 FT

RUN 5	
LOCATION	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	25' CLASS A
B	25' CLASS A
C	25' CLASS A
D	25' CLASS A

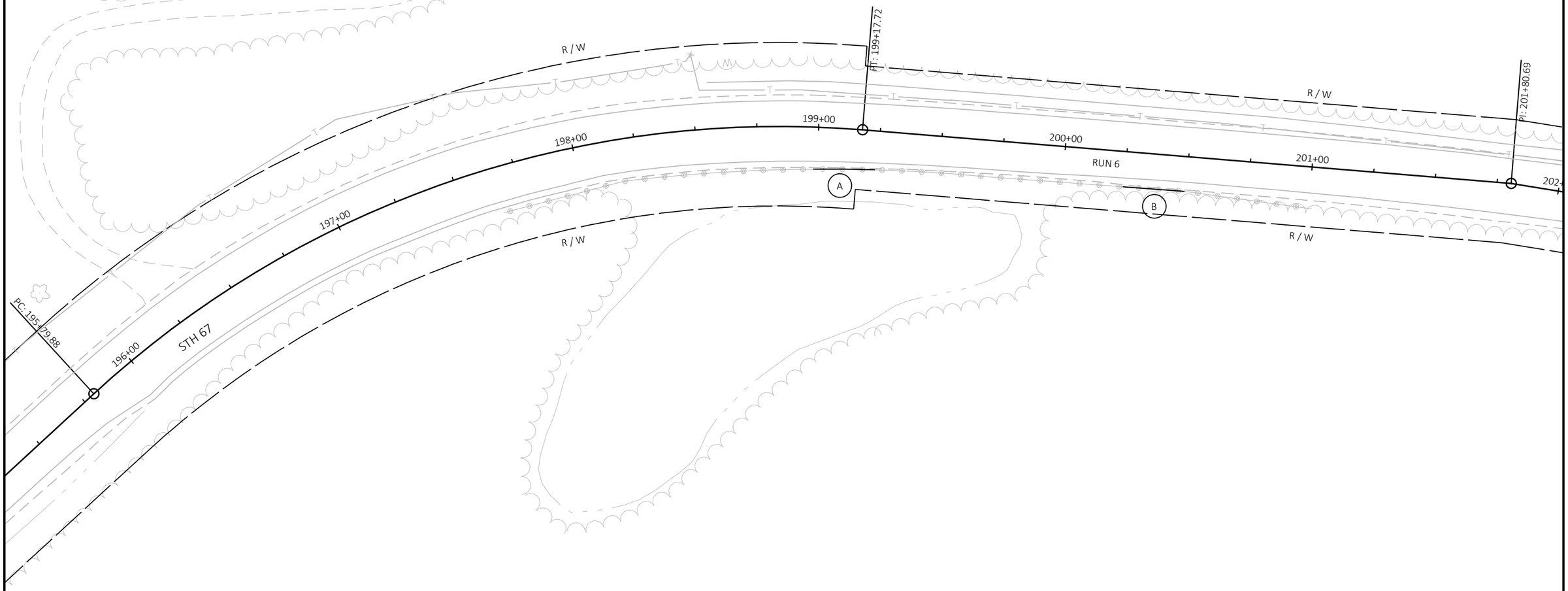


PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD DETAIL - RUN 5	SHEET 23	E

2

2

RUN 6	
LOCATION	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	25' CLASS A
B	25' CLASS A

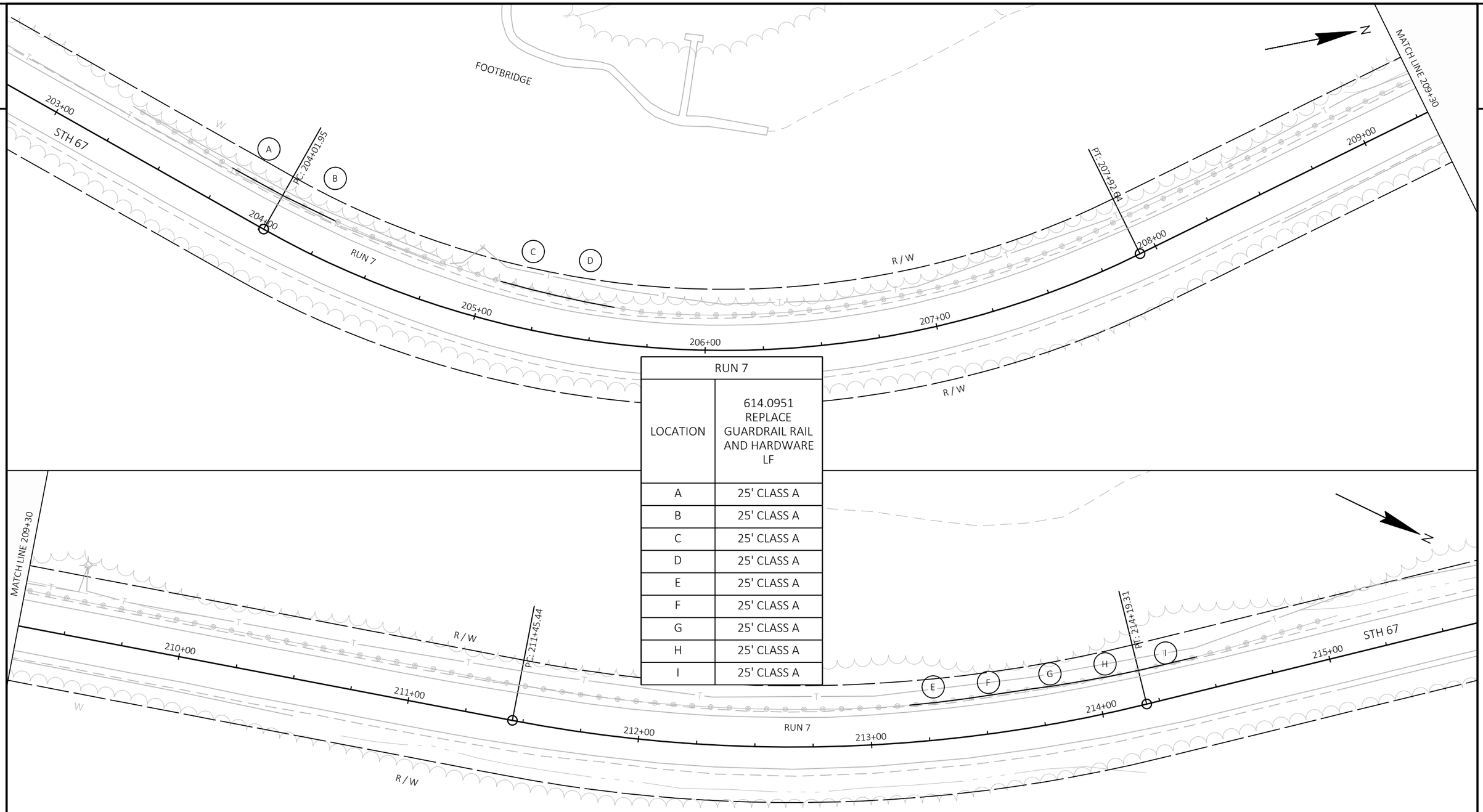


PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD DETAIL - RUN 6	SHEET 24	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021051-BG_40.DWG
LAYOUT NAME - RUN_6

PLOT DATE : 9/27/2021 10:05 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



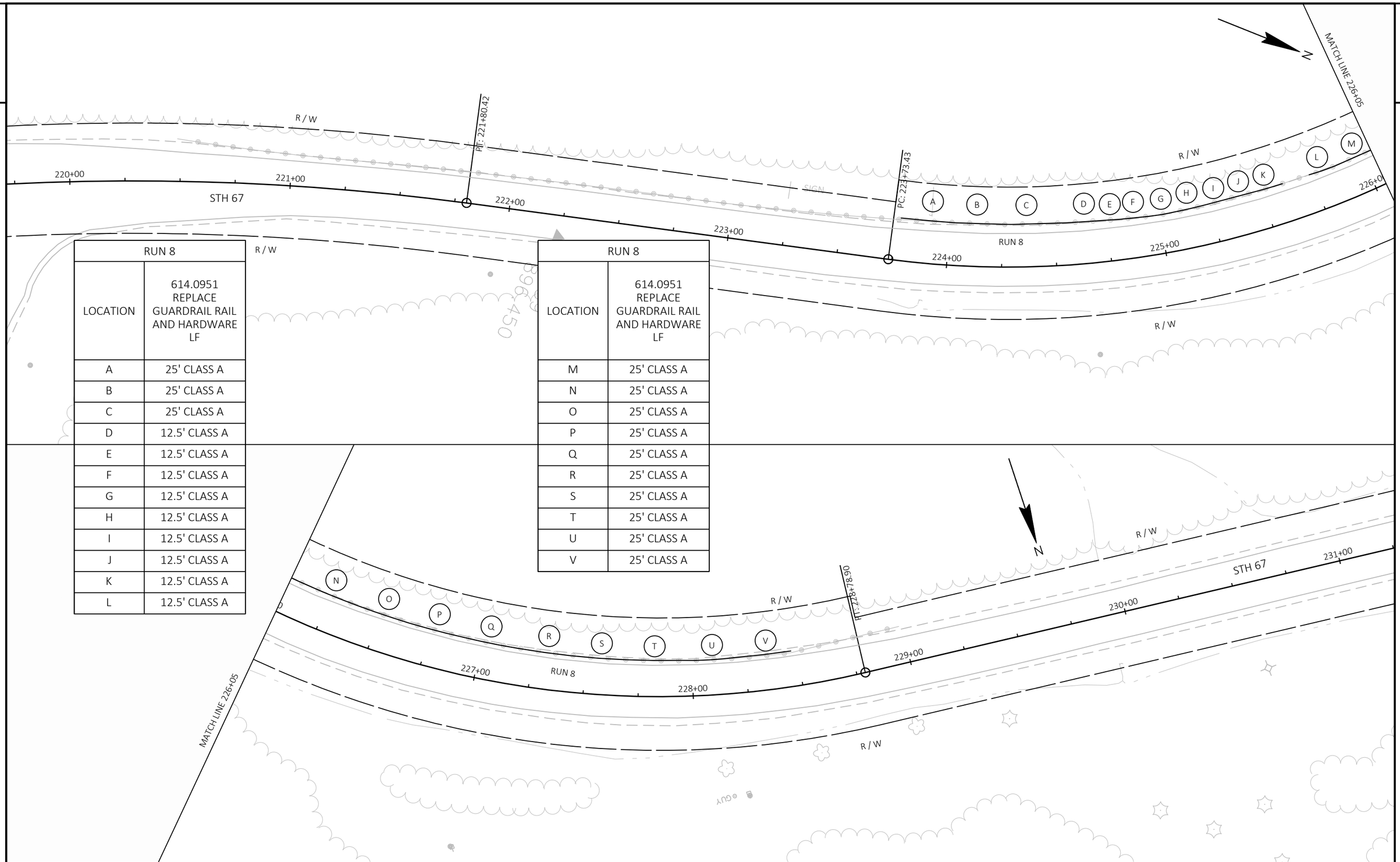
RUN 7	
LOCATION	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	25' CLASS A
B	25' CLASS A
C	25' CLASS A
D	25' CLASS A
E	25' CLASS A
F	25' CLASS A
G	25' CLASS A
H	25' CLASS A
I	25' CLASS A

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD DETAIL - RUN 7	SHEET 25	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021051-BG_40.DWG
LAYOUT NAME - RUN_7_pg1

PLOT DATE : 9/27/2021 10:07 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



RUN 8	
LOCATION	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	25' CLASS A
B	25' CLASS A
C	25' CLASS A
D	12.5' CLASS A
E	12.5' CLASS A
F	12.5' CLASS A
G	12.5' CLASS A
H	12.5' CLASS A
I	12.5' CLASS A
J	12.5' CLASS A
K	12.5' CLASS A
L	12.5' CLASS A

RUN 8	
LOCATION	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
M	25' CLASS A
N	25' CLASS A
O	25' CLASS A
P	25' CLASS A
Q	25' CLASS A
R	25' CLASS A
S	25' CLASS A
T	25' CLASS A
U	25' CLASS A
V	25' CLASS A

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD DETAIL - RUN 8	SHEET 26	E

2

2

N

W

W

R / W

RUN 9

331+00 332+00 333+00 334+00 335+00 336+00 337

STH 67

R / W

R / W

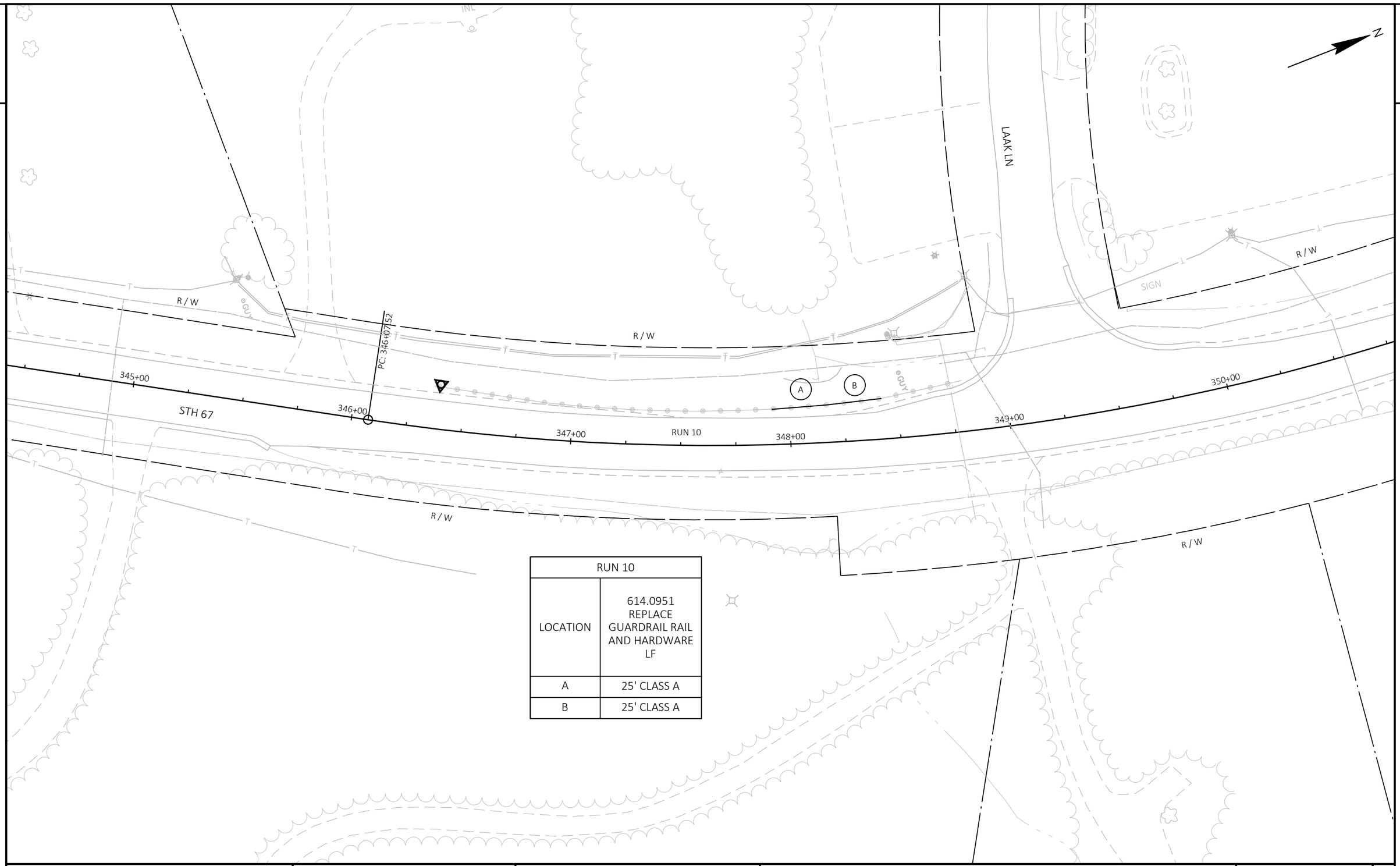
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD DETAIL - RUN 9	SHEET 27	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021051-BG_40.DWG
LAYOUT NAME - RUN_9

PLOT DATE : 9/27/2021 10:10 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



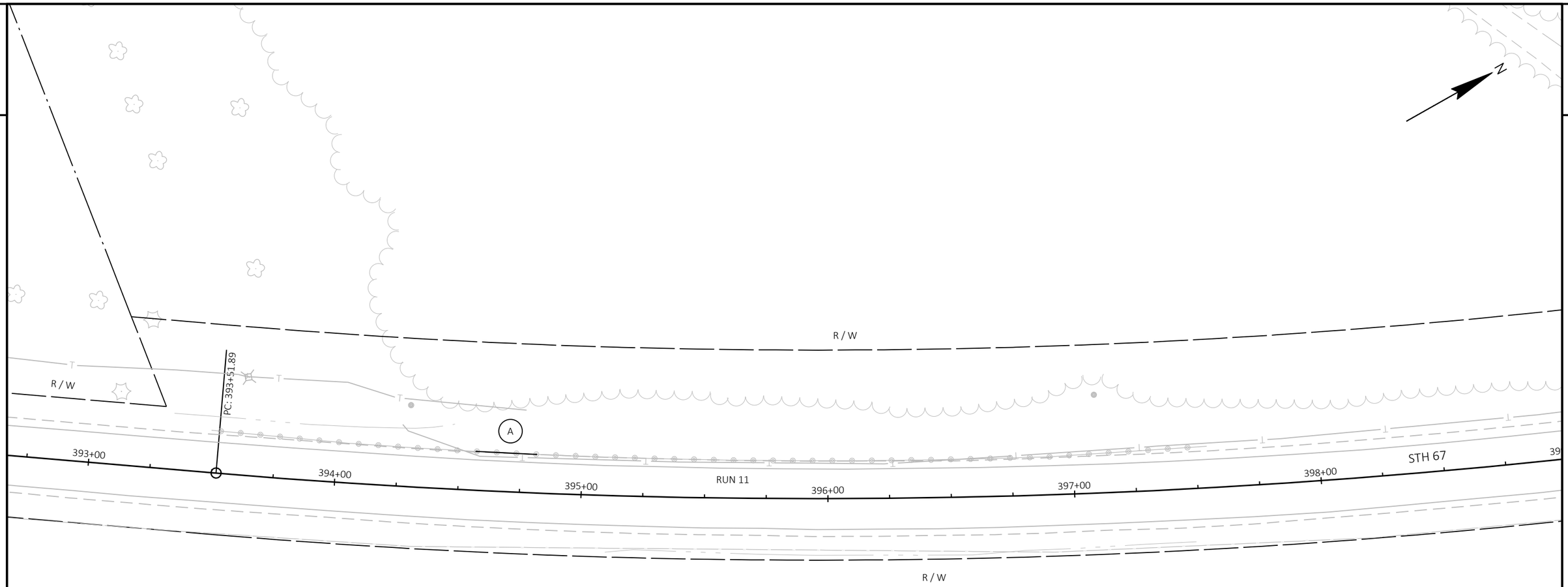
RUN 10	
LOCATION	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	25' CLASS A
B	25' CLASS A

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD DETAIL - RUN 10	SHEET 28 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021051-BG_40.DWG
LAYOUT NAME - RUN_10

PLOT DATE : 9/27/2021 10:11 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



RUN 11	
LOCATION	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	25' CLASS A

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD DETAIL - RUN 11	SHEET 29	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021051-BG_40.DWG
LAYOUT NAME - RUN_11

PLOT DATE : 9/27/2021 10:11 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

R / W

R / W

PC: 417+20.20

414+00

415+00

416+00

417+00

418+00

419+00

STH 67

RUN 12

R / W

SEPC

SEPC

SEPC

SEPV

SEPV

SEPV

SEPV

SEPV

SEPV

W

W

W

W

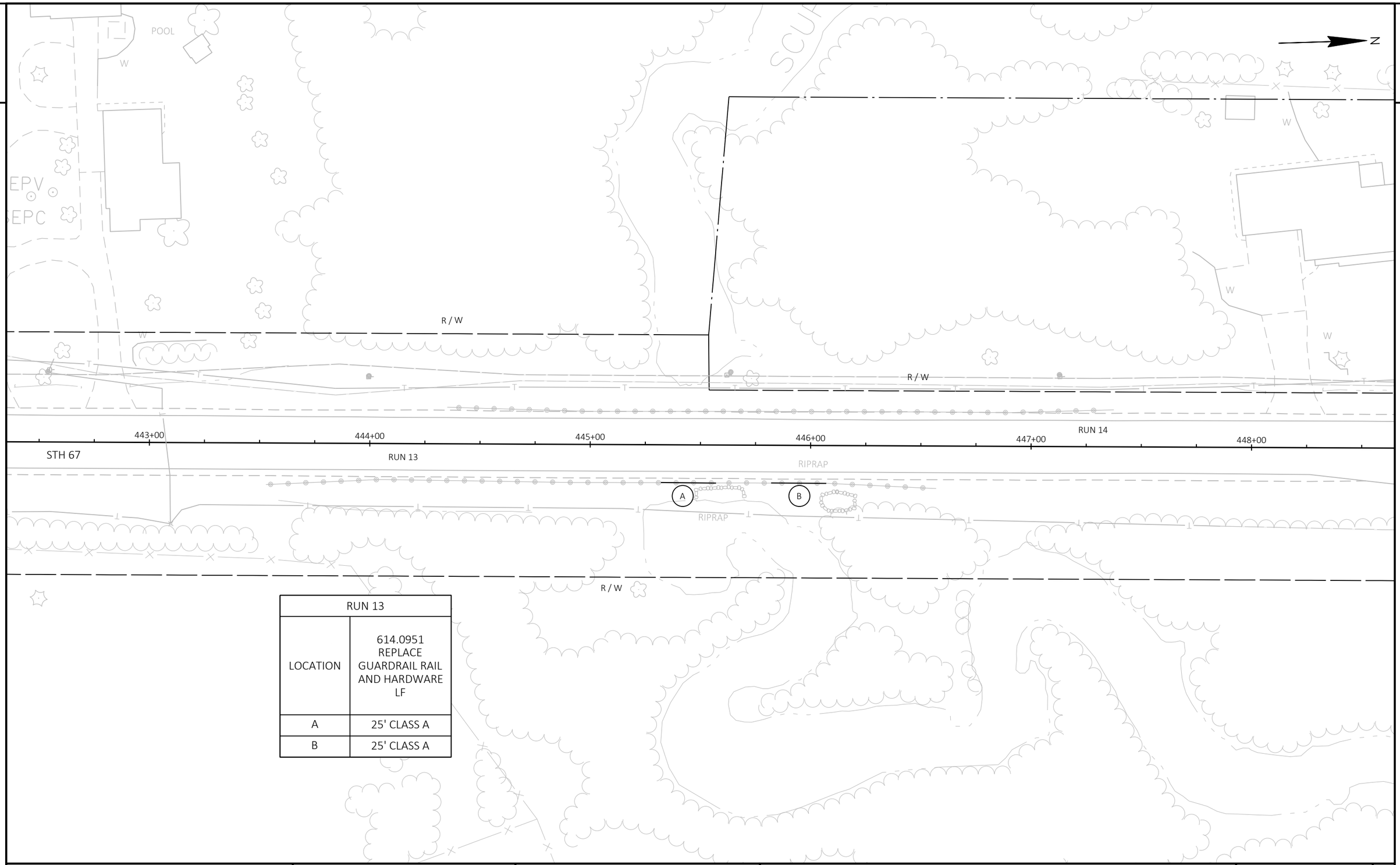
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD DETAIL - RUN 12	SHEET 30	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021051-BG_40.DWG
LAYOUT NAME - RUN_12

PLOT DATE : 9/27/2021 10:12 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



RUN 13	
LOCATION	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF
A	25' CLASS A
B	25' CLASS A

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD DETAIL - RUNS 13 AND 14	SHEET 31	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021051-BG_40.DWG
LAYOUT NAME - RUN_13-14
PLOT DATE : 9/27/2021 10:13 AM
PLOT BY : MAY, MATTHEW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

RUN 15				
LOCATION	204.0165 REMOVING GUARDRAIL LF	614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING EACH	614.2330 MGS GUARDRAIL 3 K LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
A	105'	1	--	1
B	--	--	25'	--
C	--	--	--	1

N

R / W

APRON ENDWALL FOR CULVERT PIPE SALVAGED 18-INCH

RUN 15

2-FT OFFSET TO FACE

2-FT OFFSET TO FACE

522+00 523+00 524+00 525+00 526+00 527+00 528+0

STH 67

+38.7 15.4' RT

+88.7 13.7' RT

+20.0 13.8' RT

+69.9 15.9' RT

4:1 TAPER

4:1 TAPER

A

B

C

R / W

R / W

2-FT BEHIND POST 1,5

0-FT BEHIND POST 1

SI

2-FT BEHIND POST 1,5

RIPRAP LIGHT 10FTX3FT

TEMPORARY DITCH CHECK

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	BEAMGUARD AND EROSION CONTROL DETAIL - RUN 15	SHEET 32	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021051-BG_40.DWG
LAYOUT NAME - RUN_15

PLOT DATE : 9/27/2021 10:14 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

R / W

PC 537+65.79

538+00

539+00

540+00

+81.5
30.6' LT

CONCRETE SIDEWALK
6-INCH

+69.8
26.4' LT

+87.4
17.2' LT

+73.1
17.1' LT

2'

3'

+73.1
14.1' LT

+87.4
14.2' LT

DETECTABLE WARNING
FIELD YELLOW

2'

2'

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH

14.5'

MARKING CROSSWALK
EPOXY BLOCK STYLE 24-INCH

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH

+73.3
19.1' RT

+88
19.0' RT

2'

3'

10.5'

DETECTABLE WARNING
FIELD YELLOW

+73.3
32.7' RT

+88.2
32.5' RT

CONCRETE SIDEWALK
6-INCH

R / W

GUY POLE

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	GLACIAL DRUMLIN STATE TRAIL	SHEET 33	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\021052-DWF.DWG
LAYOUT NAME - trail

PLOT DATE : 9/15/2021 2:34 PM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:20 FT

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

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 #
DENNIS NEWTON	MILWAUKEE, RACINE	414-750-0257
JENNY BUCKETT	KENOSHA, WASHINGTON, OZAUKEE	414-750-2427
CHUCK SALDIVAR	WALWORTH, WAUKESHA	414-750-1682

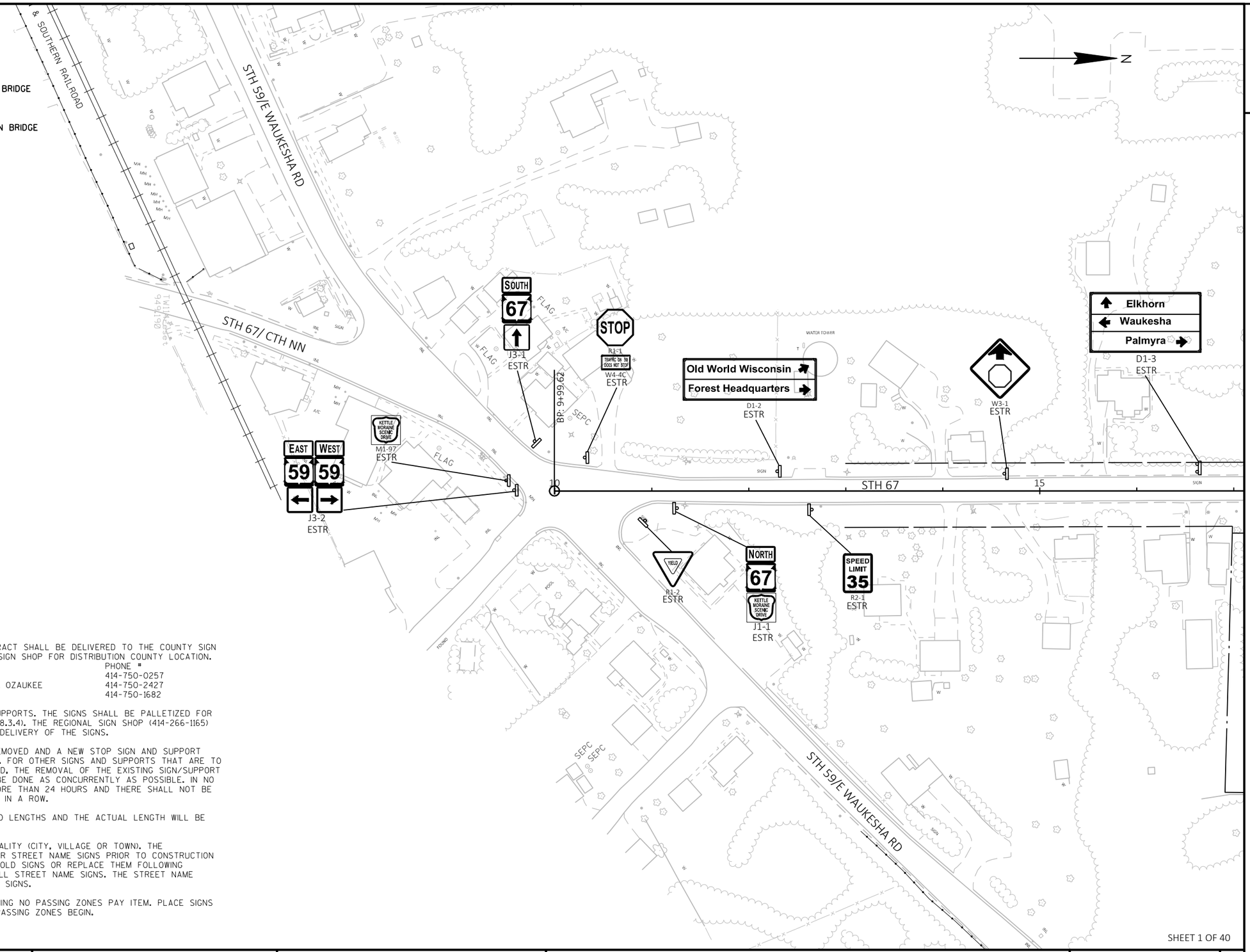
SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (414-266-1165) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.

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.



SHEET 1 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 34	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023201_PS

PLOT DATE : 7/21/2021 8:16 AM PLOT BY : WAGNER, SCOTT H 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

N

STH 67

MURPHY DR

JCT 59

SPEED LIMIT 30 R2-1 J1-1 ESTR

STREET NAME SIGN BY OTHERS

STOP R1-1 ESTR

EAGLE POPULATION 1,950 I2-3 ESTR

SPEED LIMIT 30 R2-1 ESTR

STREET NAME SIGN BY OTHERS

STOP R1-1 ESTR

MURPHY DR

PI: 30+15.00

20 25 30

STH 67

SPEED LIMIT 30 R2-1 ESTR

FLAG

ADOPT A HIGHWAY I55-56 ESTR

SEPC SEPC

SPEED LIMIT 30 R2-1 ESTR

WALLS

SEPC SEPV

Dousman 9
Oconomowoc 18 D2-2 ESTR

NO PASSING ZONE W14-3 ESTR

SHEET 2 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 35	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023202_PS

PLOT DATE : 7/21/2021 8:16 AM PLOT BY : WAGNER, SCOTT H 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

N

SPEED LIMIT 30
R2-1
ESTR

SPEED LIMIT 30
W3-5
ESTR

TRAIL CROSSING
REMOVE PERMANENT FLAGS
TRAIL CROSSING 54
W11-15A (2S) 54A
W16-7L (2S)

PI: 40+84.63

STH 67

35

40

45

STH 67

SIGN

SPEED LIMIT 55
R2-1
ESTR

TRAIL CROSSING
AHEAD
REMOVE PERMANENT FLAGS
TRAIL CROSSING 53
W11-15A (2S)
AHEAD 53A
W16-9P (2S)

SHEET 3 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 36	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023203_PS

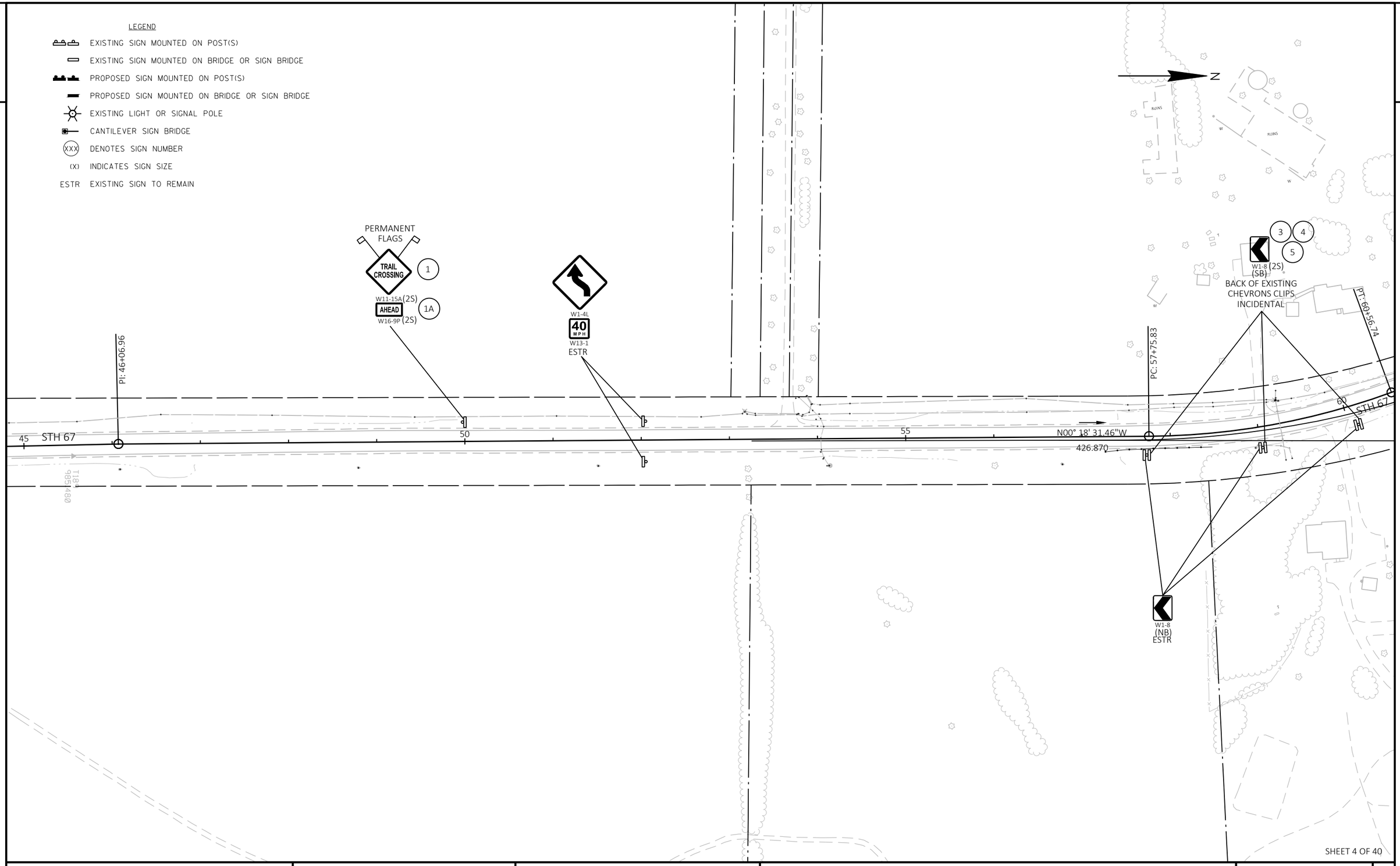
PLOT DATE : 7/21/2021 8:17 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

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



SHEET 4 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 37	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023204_PS

PLOT DATE : 7/21/2021 8:18 AM PLOT BY : WAGNER, SCOTT H 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

N

9
10
W1-8 (2S)
(SB)
BACK OF EXISTING CHEVRONS CLIPS INCIDENTAL

W1-8
ESTR

PC: 62+03.77

PT: 60+56.74

65

PT: 67+27.93

167.727
S17° 27' 42.54"W

PC: 68+68.91

PT: 71+28.76

PC: 75+00.19

STH 67

60

70

11
W5-52R
MOVE
4' HEIGHT

491.701
S89° 36' 22.46"E

12
W1-2L (2S)

8
S3-1
MOVE

13
W1-6 (2S)

6
7
W1-8
(NB)
MOVE

W1-4L

40 MPH
W13-1
ESTR

N28° 39'

09.46"W

000

SHEET 5 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 38	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023205_PS

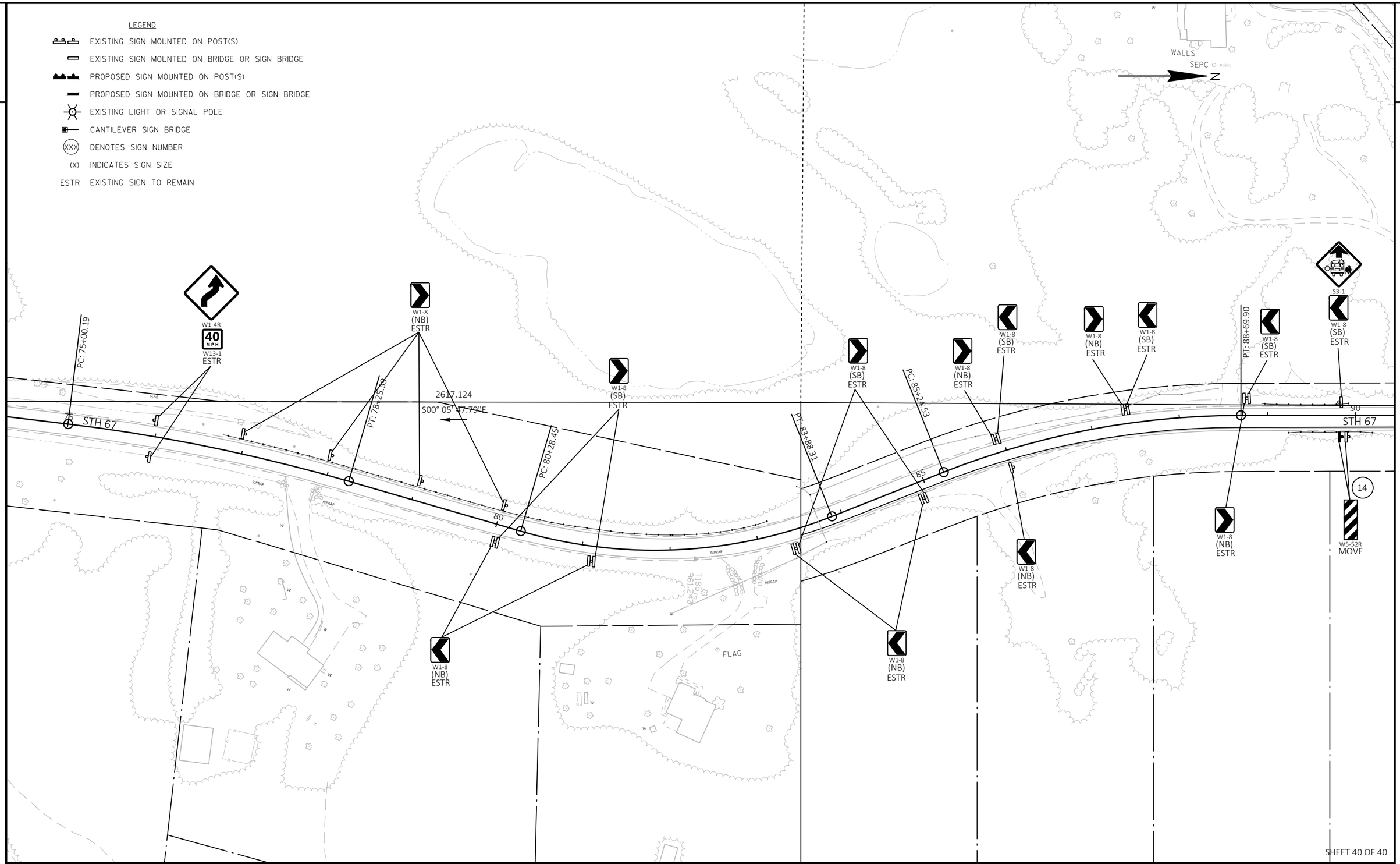
PLOT DATE : 7/21/2021 8:18 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

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



SHEET 40 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 39	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023206_PS

PLOT DATE : 7/21/2021 8:19 AM PLOT BY : WAGNER, SCOTT H 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

N

WILTON RD

16 17
ADD PERMANENT FLAGS
STOP
R1-1
ESTR

STREET NAME (BY OTHERS)

15
W1-7 (2S)

W1-4L
40 MPH
W13-1
ESTR

STH 67

90 95 100

STH 67

FEEDER
RIPRAP
SIGN
RUINS
FOUND

2

SHEET 7 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 40	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023207_PS

PLOT DATE : 7/21/2021 8:20 AM PLOT BY : WAGNER, SCOTT H 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

N

18

W1-7 (2S)

PI: 110+38.97

105

110

115

STH 67

STH 67

WILTON RD

SIGN

STOP

R1-1

ESTR

W5-52R

ESTR

2

SHEET 8 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 41	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023208_PS

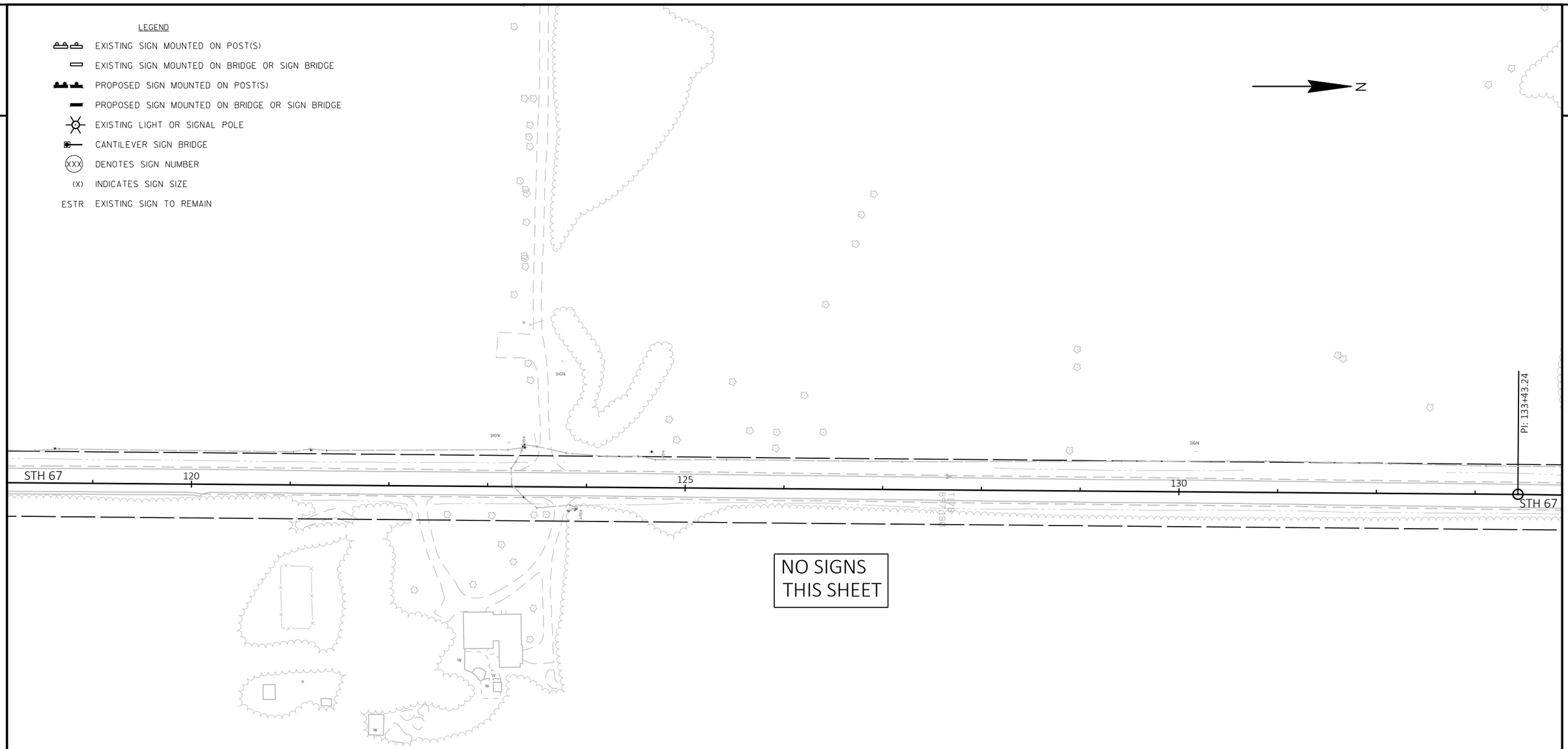
PLOT DATE : 7/21/2021 8:20 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

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



2

SHEET 9 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 42	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023209_PS

PLOT DATE : 7/21/2021 8:21 AM PLOT BY : WAGNER, SCOTT H 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

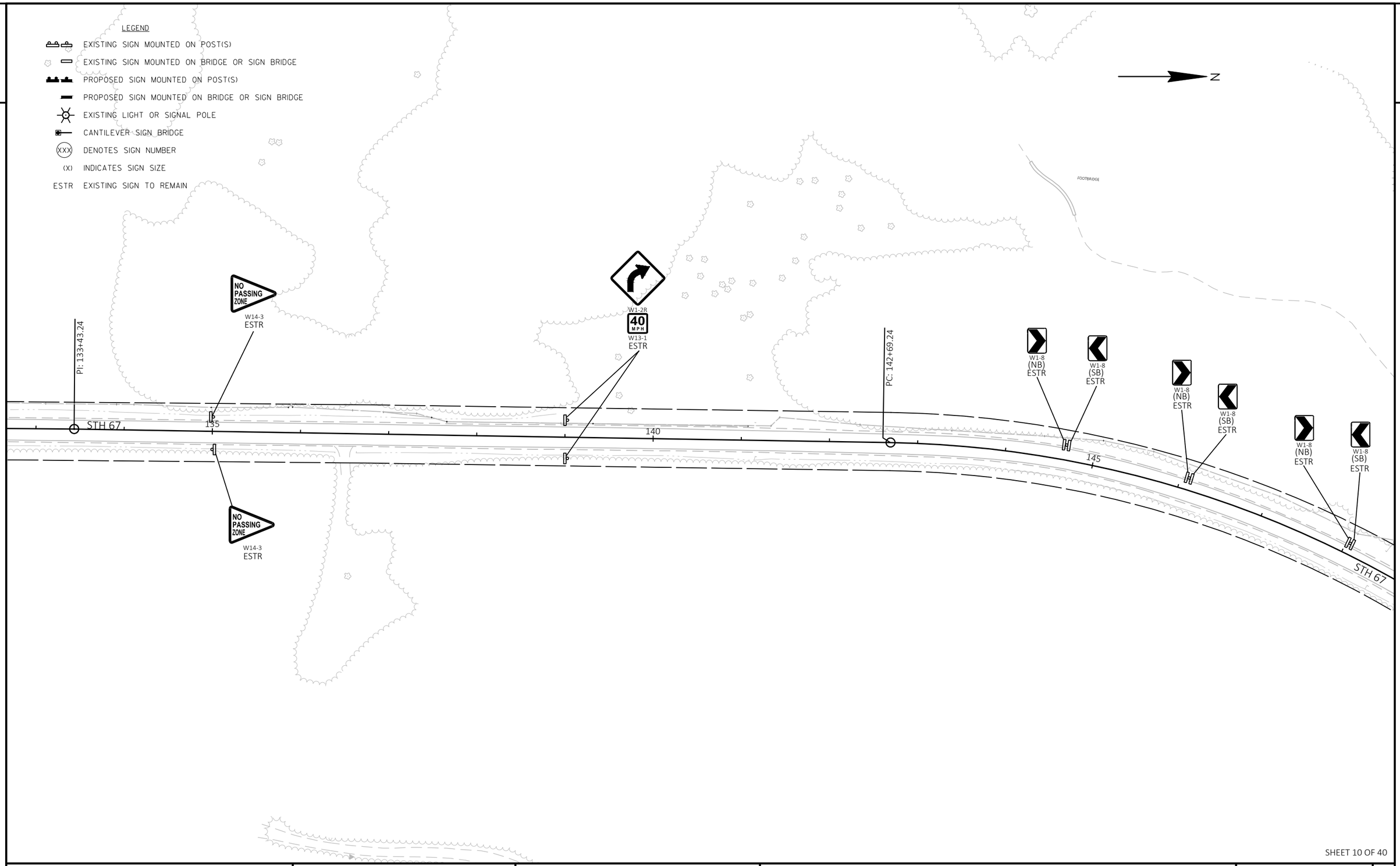
EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN



2

SHEET 10 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 43	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023210_PS

PLOT DATE : 7/21/2021 8:22 AM PLOT BY : WAGNER, SCOTT H 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

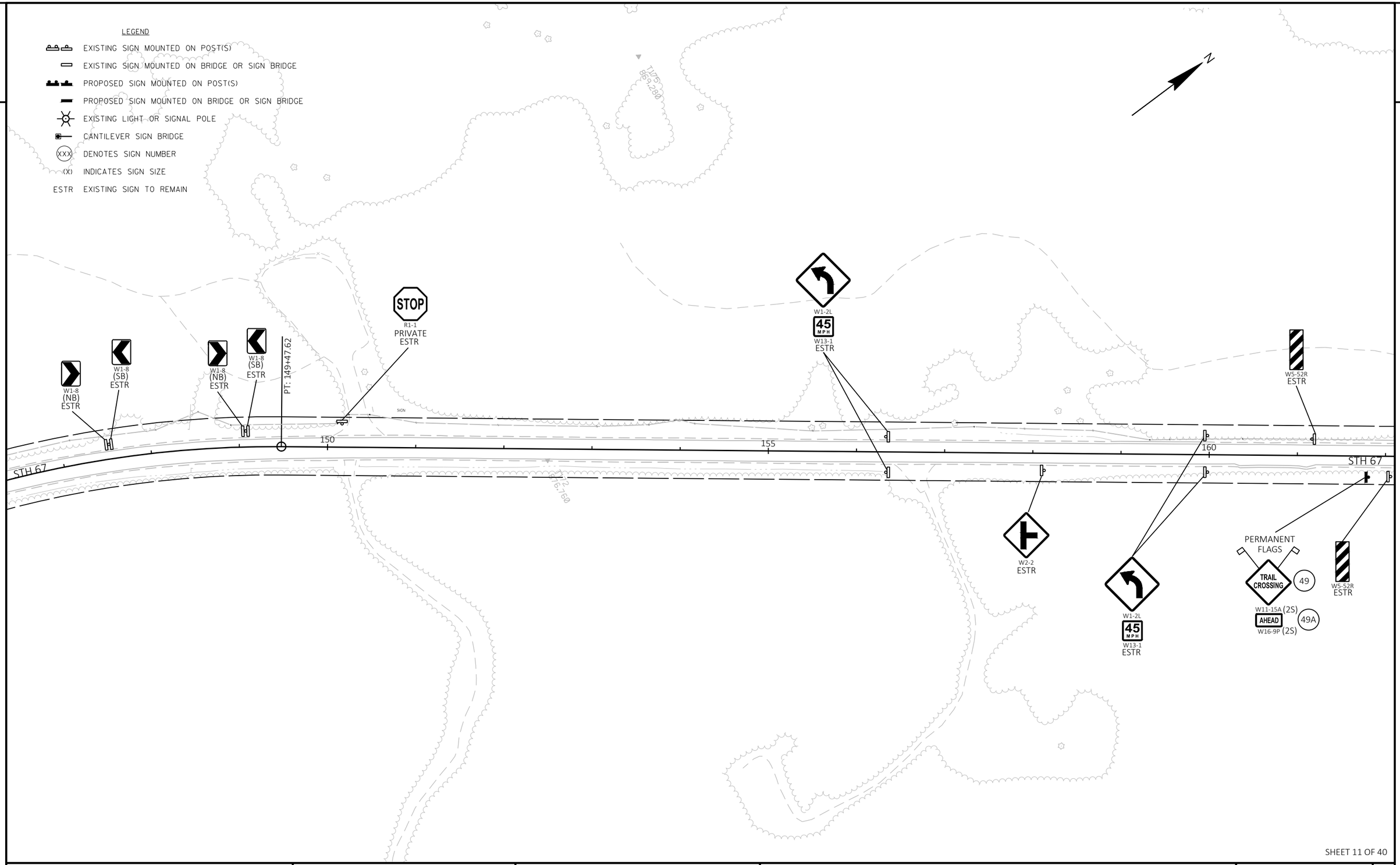
EXISTING LIGHT OR SIGNAL POLE

CANTILEVER SIGN BRIDGE

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN



SHEET 11 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 44	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023211_PS

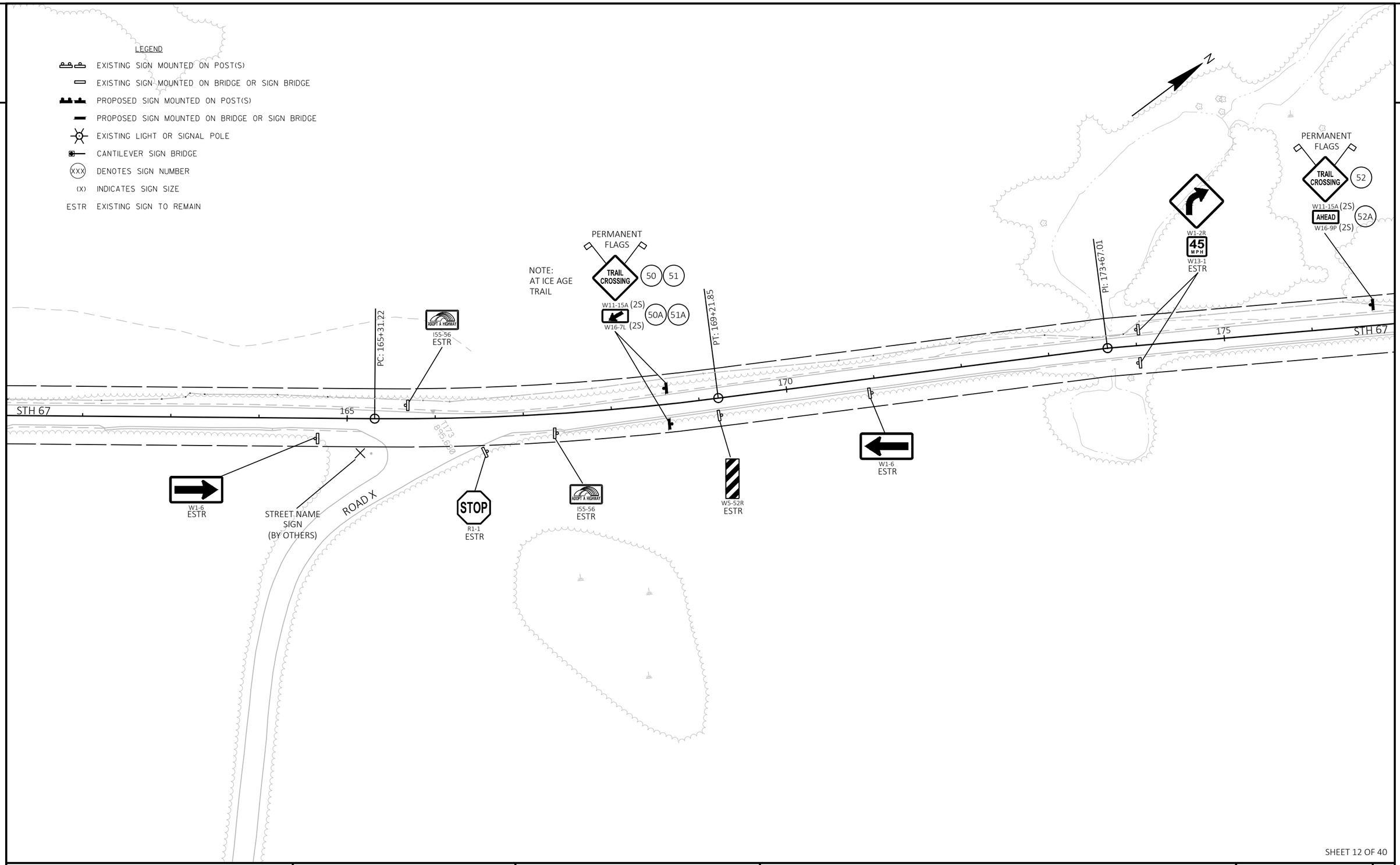
PLOT DATE : 7/21/2021 8:22 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

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



SHEET 12 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 45	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023212_PS

PLOT DATE : 7/21/2021 8:23 AM PLOT BY : WAGNER, SCOTT H 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

N

ENGINE BRAKE MUFFLERS REQUIRED
R10-64
ESTR

19
W1-7(2S)

PC: 183+83.48

PI: 188+76.38

PC: 189+32.11

W1-8
(SB)
ESTR

190

STH 67

175 STH 67

180

185

W1-8
(NB)
ESTR

W1-8
(SB)
ESTR

W1-8
(NB)
ESTR

20
W1-6 (2S)

21
W1-6 (2S)

STOP
R1-1
ESTR

W1-2L

45
MPH
W13-1
ESTR

PIPER RD

SHEET 13 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 46	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023213_PS

PLOT DATE : 7/21/2021 8:24 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

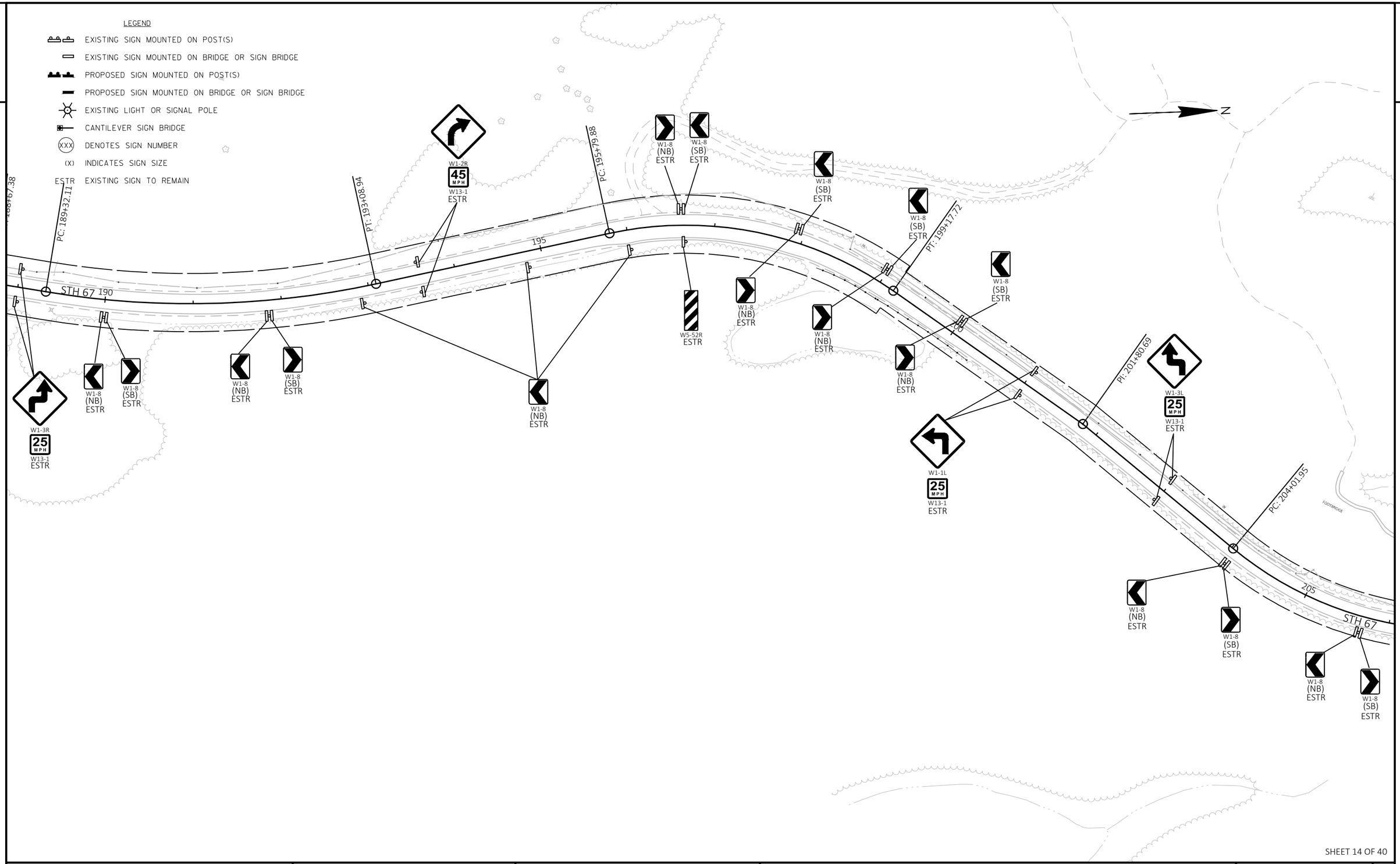
WISDOT/CADDS SHEET 42

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



SHEET 14 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 47	E

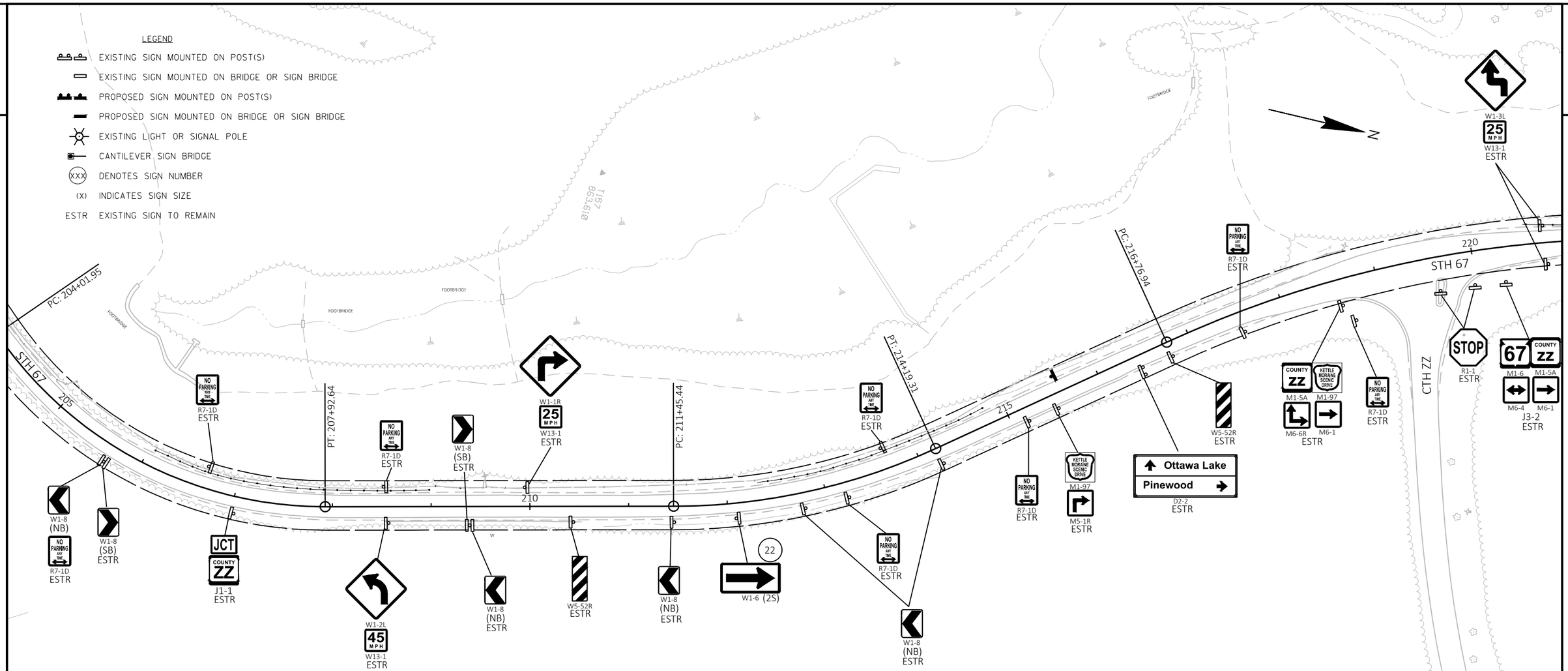
FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023214_PS

PLOT DATE : 7/21/2021 8:24 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 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



SHEET 15 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 48	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023215_PS

PLOT DATE : 7/21/2021 8:25 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 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

STH 67

CTH ZZ

220

225

230

PT: 221+80.42

PC: 223+73.43

PT: 228+78.90

PC: 231+95.27

R7-1D ESTR

M6-1 ESTR

D2-2 State Forest Hdqrs / Ottawa Lake

M1-97 KETTLE MORAINE SCENIC DRIVE

M6-6L

M1-5A COUNTY ZZ

J3-1 ESTR

W1-4L

W13-1 45 MPH ESTR

M3-2 EAST

M1-5L ESTR

D1-1 Pinewoods

J2-2 ESTR

W5-52R ESTR

M2-1 JCT

23

J1-1(2S)

R7-1L ESTR

W1-1R

W13-1 25 MPH ESTR

W1-6 ESTR

W1-8 BLINKER ESTR

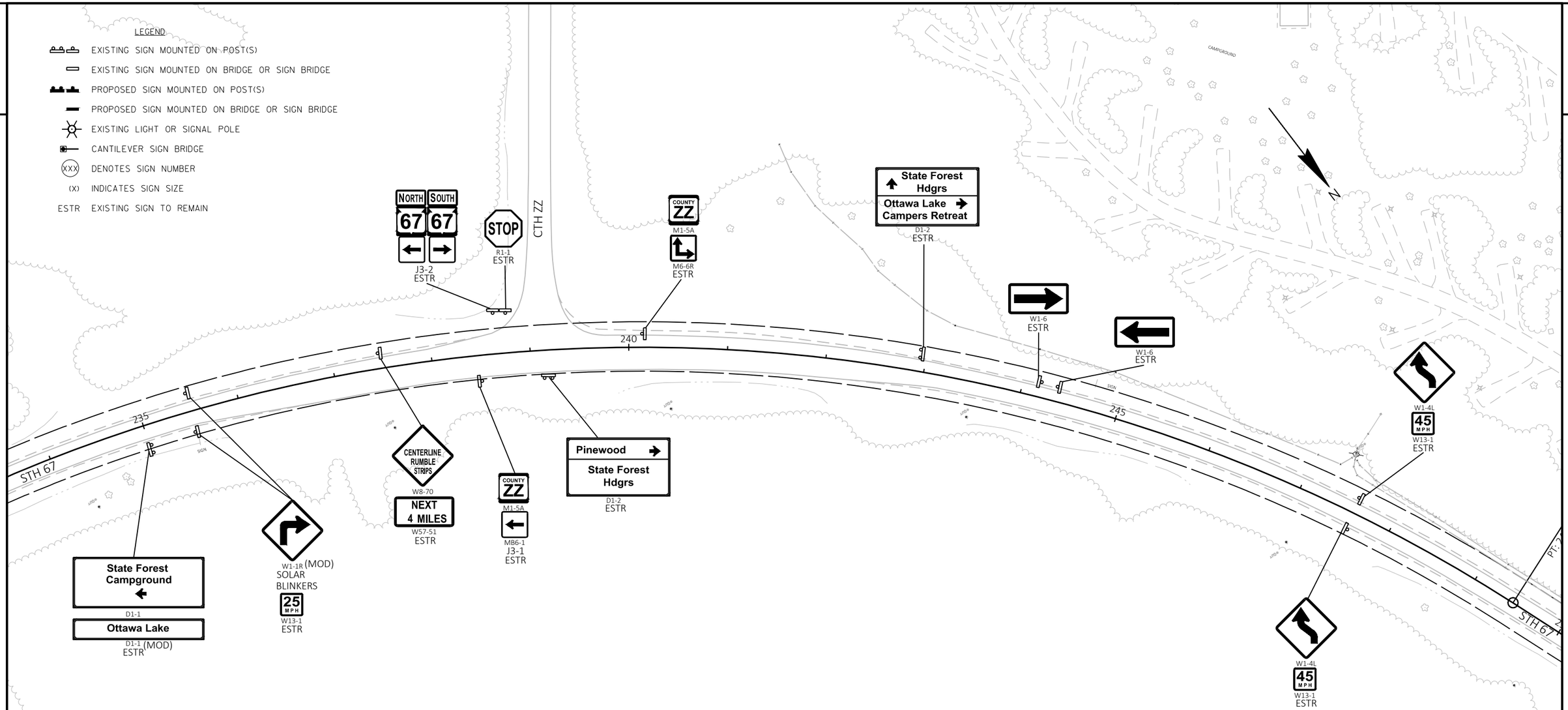
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 49	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023216_PS
PLOT DATE : 7/21/2021 8:26 AM
PLOT BY : WAGNER, SCOTT H
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



SHEET 17 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 50	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023217_PS

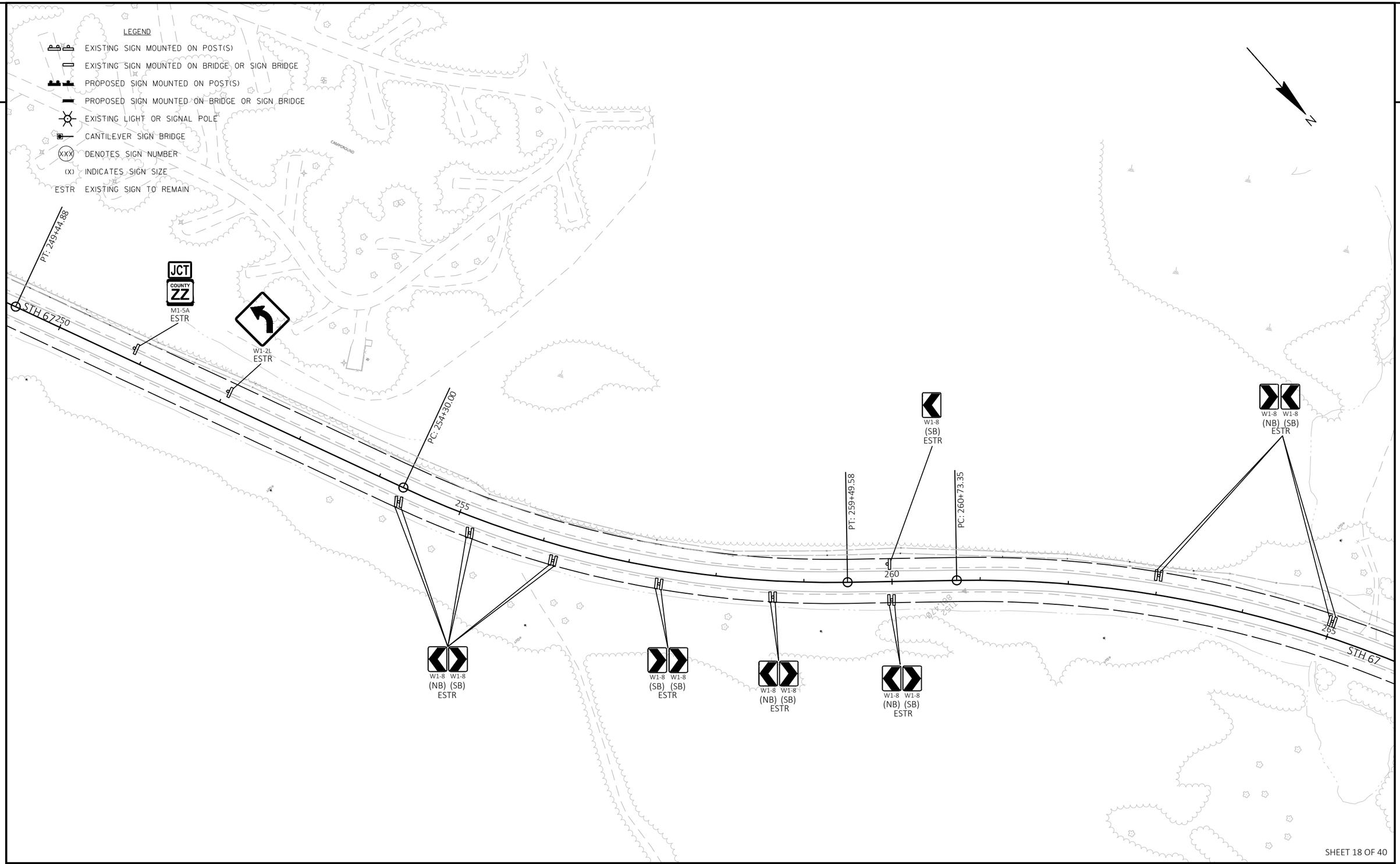
PLOT DATE : 7/21/2021 8:26 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

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



SHEET 18 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 51	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023218_PS

PLOT DATE : 7/21/2021 8:27 AM PLOT BY : WAGNER, SCOTT H 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

N

W1-8 (NB) ESTR
W1-8 (SB) ESTR
W1-8 (SB) ESTR
W1-8 (NB) ESTR

PT: 271+86.24

STH 67
265
270
275
280

SEPC
SEPC
SEPC

T151 876.160

SHEET 19 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 52	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023219_PS

PLOT DATE : 7/21/2021 8:28 AM PLOT BY : WAGNER, SCOTT H 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

N

W1-4L
45 MPH
W13-1
ESTR

STOP
R1-1
PRIVATE
BY OTHERS
ESTR

280
STH 67
285
290
295
STH 67

SPEED LIMIT 55
R2-1
ESTR

NO PASSING ZONE
W14-3
ESTR

STOP
R1-1
PRIVATE
BY OTHERS
ESTR

JCT COUNTY C
JCT COUNTY CI
J1-2
ESTR

SHEET 20 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 53	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023220_PS

PLOT DATE : 7/21/2021 8:28 AM PLOT BY : WAGNER, SCOTT H 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

N

S89° 21' 55.42"W 613.850

CTH CI

27 28 ADD PERMANENT FLAGS

STOP R1-1 ESTR

COUNTY C / COUNTY CI J3-2 ESTR

JCT JCT / COUNTY C / COUNTY CI J1-2 ESTR

SPEED LIMIT 55 R2-1 ESTR

ADOPT A HIGHWAY I55-56 ESTR

SOUTH 67 J4-1 ESTR

67 J13-1 ESTR

PINE VIEW DR

295 STH 67 300 305 STH 67

T144 386.750

COUNTY CI / COUNTY C J3-2 ESTR

W1-6 ESTR

CTH C

24 25 ADD PERMANENT FLAGS

STOP R1-1 ESTR

67 J13-1 ESTR

Dousman 4
Oconomowoc 13
D2-2 ESTR

NORTH 67 J4-1 ESTR

ADOPT A HIGHWAY I55-56 ESTR

26 SPEED LIMIT 55 R2-1(2S)

339.361
S00° 19' 30.77"W

SEPV

SEPC

FOOTBRIDGE

N67° 07' 50.23"E 615.710

SHEET 21 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 54	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023221_PS

PLOT DATE : 7/21/2021 8:29 AM PLOT BY : WAGNER, SCOTT H 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

N

FLAG

PINE VIEW DR

STREET NAME SIGN BY OTHERS

STOP
R1-1
ESTR

NO PASSING ZONE
W14-3
ESTR

S88° 32' 23.42"W
855.017

W1-2R
50 MPH
W13-1
ESTR

W1-8 (SB) W1-8 (NB)
BACK TO BACK
ESTR

PC: 320+09.17

W1-8 (SB) W1-8 (NB)
BACK TO BACK
ESTR

STH 67

310

315

320

FLAG

29
W1-7(2S)

SEPV

SEPC

SEPC

STH 67

SHEET 22 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 55	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023222_PS

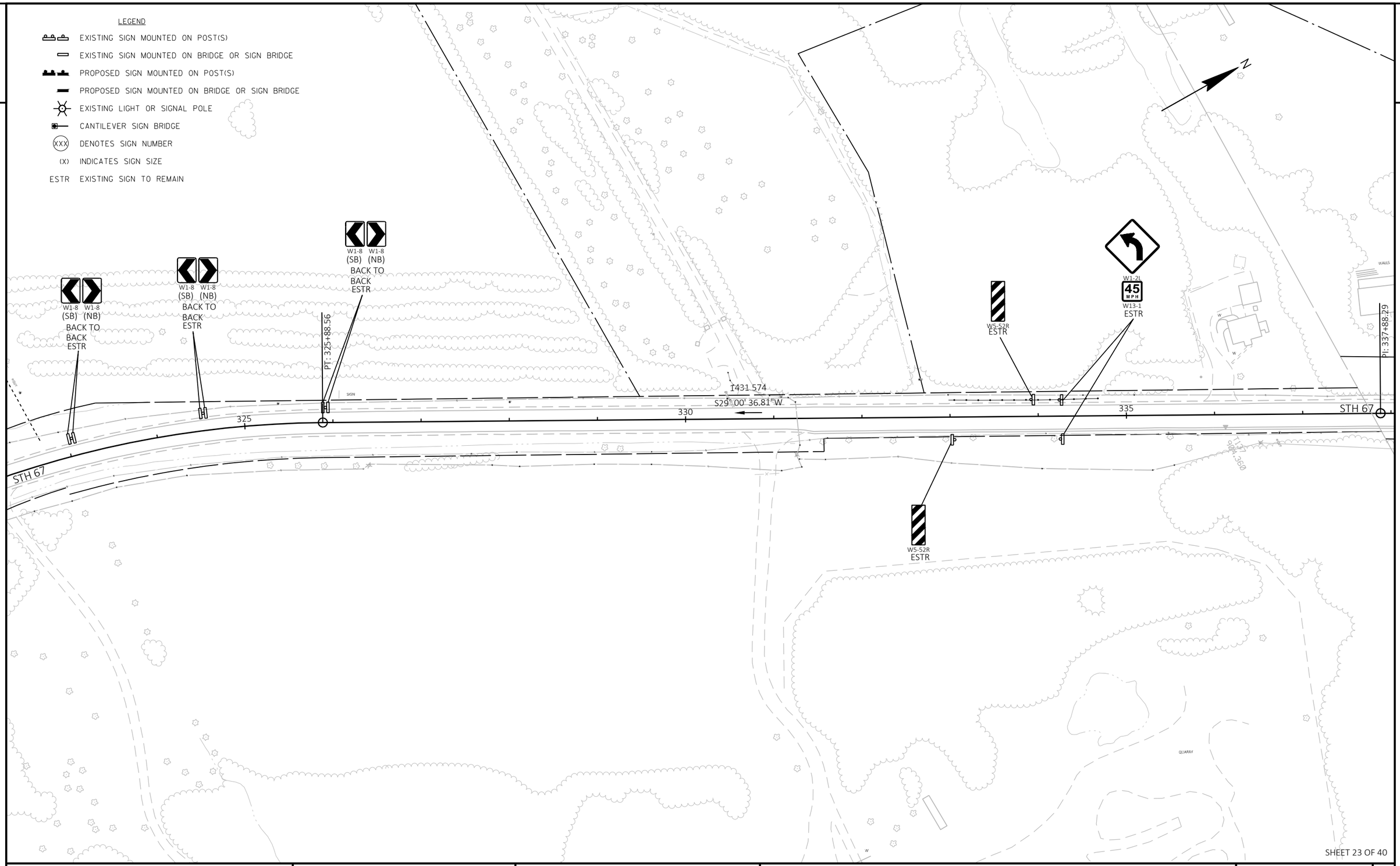
PLOT DATE : 7/21/2021 8:29 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

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



SHEET 23 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 56	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023223_PS

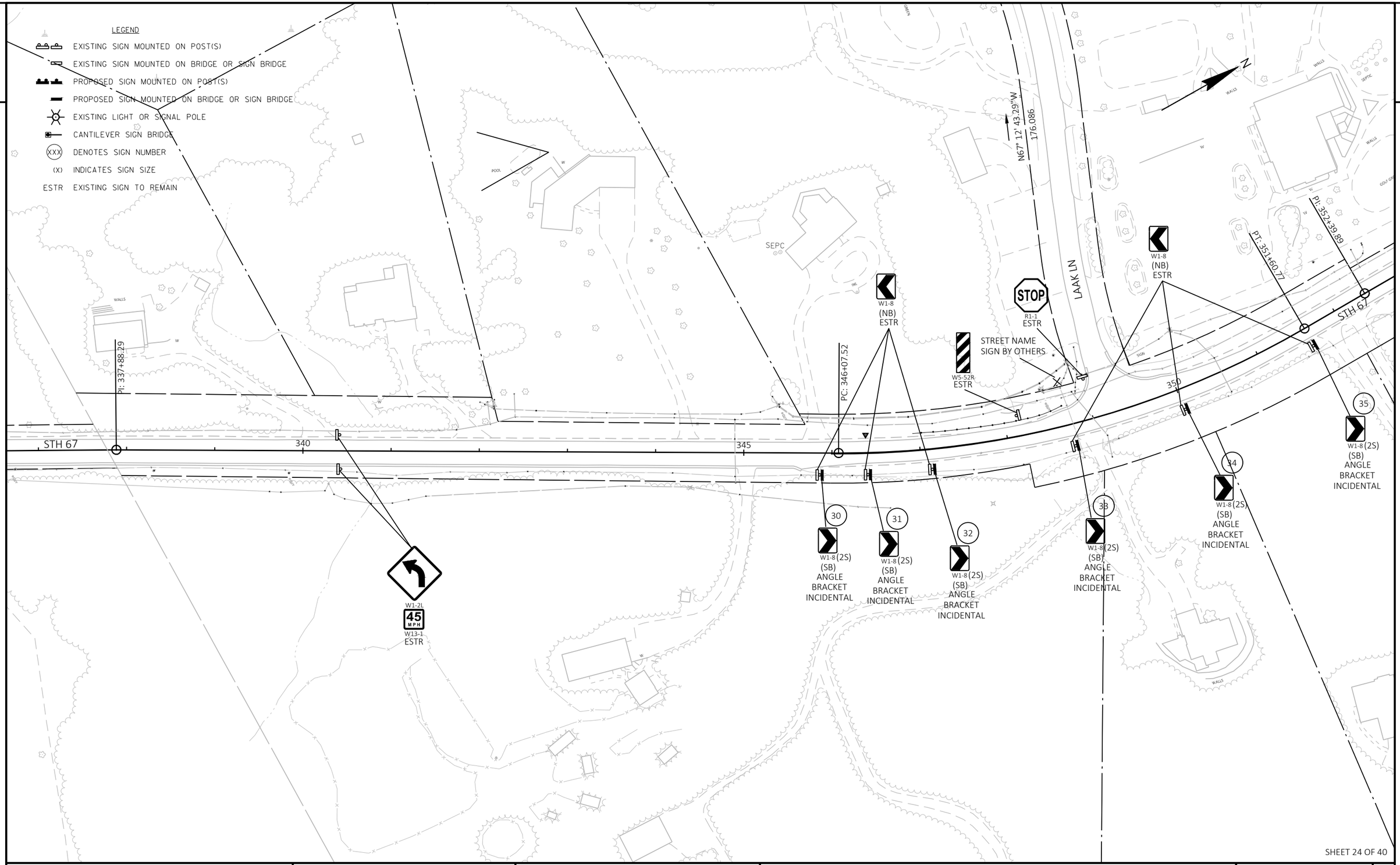
PLOT DATE : 7/21/2021 8:30 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

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



SHEET 24 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 57	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023224_PS

PLOT DATE : 7/21/2021 8:31 AM PLOT BY : WAGNER, SCOTT H 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

N

GOLF COURSE

GOLF GREEN

WALLS

SEPTIC

POOL

PT: 351+60.77

PI: 352+39.89

PC: 362+47.97

STH 67

985.636

S00° 18' 12.29"E

928.380

355

360

365

W1-2R

45 MPH

W13-1

ESTR

W1-6

ESTR

W1-2R

50 MPH

W13-1

ESTR

SHEET 25 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 58	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023201_PS_20.DWG
LAYOUT NAME - 023225_PS

PLOT DATE : 7/21/2021 8:31 AM PLOT BY : WAGNER, SCOTT H 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

N

W1-6
ESTR

PT: 368+81.59

370

375

380

STH 67

STH 67

365

SIGN

W1-2L

50
MPH

W13-1
ESTR

SHEET 26 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 59	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023226_PS

PLOT DATE : 7/21/2021 8:32 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

ORCHARD

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

TANKS

SIGN

PI; 381+82.90

PC: 393+51.89

380 STH 67 385 390 STH 67

NO PASSING ZONE
W14-3
ESTR

36
W1-2L (2S)
50 MPH
36A
W13-1 (2S)

NO PASSING ZONE
W14-3
ESTR

W1-2L
50 MPH
W13-1
ESTR

SHEET 27 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 60	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023227_PS

PLOT DATE : 7/21/2021 8:33 AM PLOT BY : WAGNER, SCOTT H 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

N

PC: 393+51.89

W5-52R
ESTR

W5-52R
ESTR

STH 67

395

400

PT: 401+39.11

W1-2R
ESTR

405

PC: 407+96.87

STH 67

37

W1-6(2S)

38

W1-6 (2S)

SHEET 28 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 61	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023228_PS

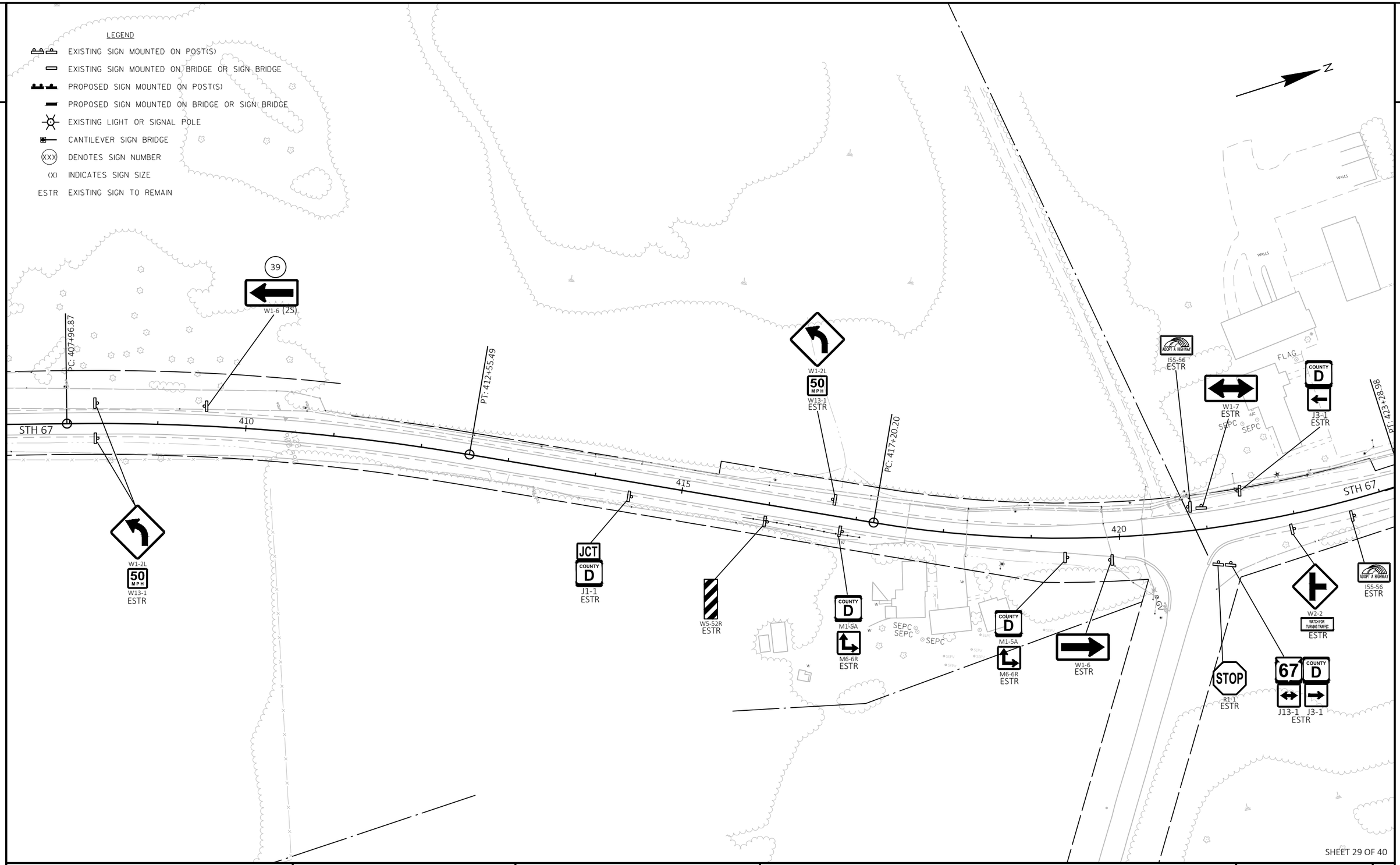
PLOT DATE : 7/21/2021 8:34 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

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



SHEET 29 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 62	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023229_PS

PLOT DATE : 7/21/2021 8:34 AM PLOT BY : WAGNER, SCOTT H 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

N

2

PLAYGROUND

FLAG

ATHLETIC FIELD

PT: 423+28.98

STH 67

425

430

435

STH 67

40

COUNTY A

J2-1
MOVED SO
NOT BLOCK BY
TREES

W2-1
ESTR

W1-2R

45 MPH

W13-1
ESTR

W5-52R
ESTR

COUNTY D

J2-1
ESTR

CEMETERY

SHEET 30 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 63	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023230_PS

PLOT DATE : 7/21/2021 8:35 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 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

N

STH 67

CTH D

PI: 438+69.30

440

445

450

SCUPPERNONG CR

SCUPPERNONG CT

POOL

FOUND

SEPV

SEPC

RIPRAP

PART OF 41 42 ADD PERMANENT FLAGS

STOP R1-1 ESTR

TRAFFIC ON 67 DOES NOT STOP 41 42 W4-4C(2S)

67 J13-1 ESTR

W5-52R ESTR

COUNTY D J2-1 ESTR

JCT COUNTY D J1-1 ESTR

COUNTY D J3-1 ESTR

STOP R1-1 ESTR

W5-52R ESTR

W5-52R ESTR

SHEET 31 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 64	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023231_PS

PLOT DATE : 8/3/2021 7:42 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 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

STH 67

455

460

465

STH 67

W5-52R
ESTR

STOP
R1-1
ESTR

BEVERLY LN

STREET NAME
SIGN BY OTHERS

PI: 465+21.20

STOP
R1-1
ESTR

MANOR HOUSE RD

STREET NAME SIGN
BY OTHERS

SEPC

SEPV

FLAG

POOL

BERM

WALLS

SLAB

RIPRAP

SIGN

SHEET 32 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 65	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023232_PS

PLOT DATE : 7/21/2021 8:36 AM PLOT BY : WAGNER, SCOTT H 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

N

SEPC

SEPV

POOL

WALLS

RIPRAP

A/C

BERM

PI: 465+21.20

465

STH 67

470

475

480

T.L.L.S.

NO SIGNS
THIS SHEET

SHEET 33 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 66	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023233_PS

PLOT DATE : 7/21/2021 8:37 AM PLOT BY : WAGNER, SCOTT H 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

N

STOP
R1-1
ESTR

STREET NAME SIGN
BY OTHERS

W5-52R
ESTR

COUNTRYSIDE LN

W2-7L

45 MPH
W13-1
ESTR

W5-52R
ESTR

480 STH 67 485 490 49 STH 67

POOL
BERM
A/C
W
WALLS
SEPC
SEPV
FLAG
SIGN

SHEET 34 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 67	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023234_PS

PLOT DATE : 7/21/2021 8:38 AM PLOT BY : WAGNER, SCOTT H 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

N

SEPC
SEPV
A/C
POOL
WALLS
W

BEGIN RIGHT TURN LANE
R3-20R
ESTR

W5-52R
ESTR

PC: 495+82.63
PT: 499+38.66

495
500
505

STH 67

W2-7L
45 MPH
W13-1
ESTR

SPEED LIMIT 55
R2-1
ESTR

STOP
R1-1
ESTR

SPEED LIMIT 40
W3-5
ESTR

PARRY RD

SPEED LIMIT 40
R2-1
ESTR

SEPC

SHEET 35 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 68	E

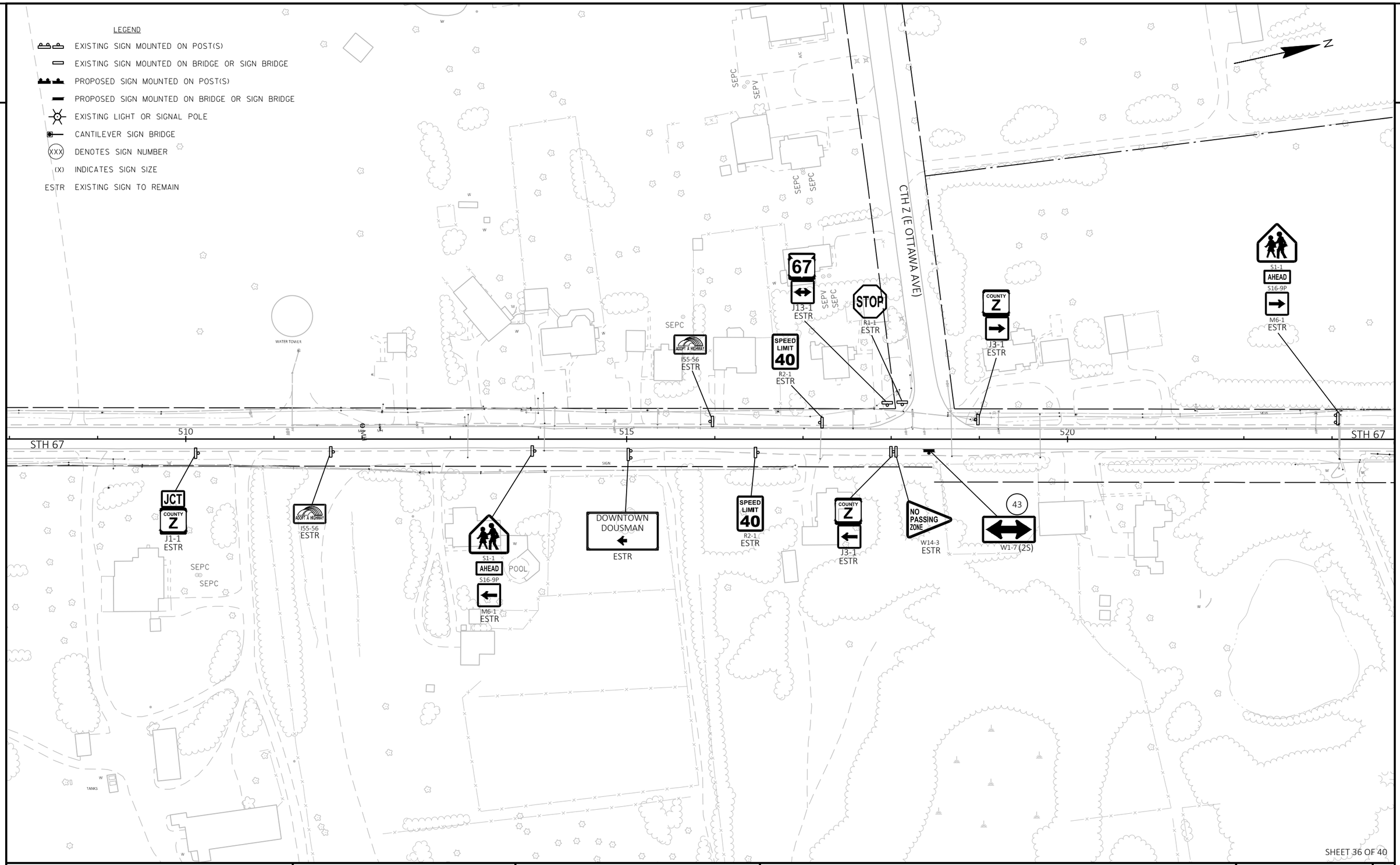
FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023235_PS

PLOT DATE : 7/21/2021 8:38 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 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



SHEET 36 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 69	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023236_PS

PLOT DATE : 7/21/2021 8:39 AM PLOT BY : WAGNER, SCOTT H 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

N

STH 67

PC: 537+65.79

GUY POLE

PT: 533+48.02

PC: 530+51.85

525

530

535

SEPC
SEPV
SEPC

DOWNTOWN DOUSMAN
ESTR

JCT COUNTY Z
J1-1
ESTR

SPEED LIMIT 40
R2-1
ESTR

W5-52R
ESTR

W1-1R
30 MPH
W13-1
ESTR

W1-1R
40 MPH
W13-1
ESTR

REC TRAIL
REMOVE
"BEACON"
SEE QTYS
55
TRAIL CROSSING
W11-15A (2S)
55A
W16-7L (2S)

"BEACON"
SEE QTYS
46
TRAIL CROSSING
W11-15A (2S)
AHEAD
W16-9P (2S)
46A

W1-6
ESTR

W1-6
ESTR

44
W5-52R
MOVE
4' HEIGHT

45
W1-1L
30 MPH
W13-1
MOVE
TOO LOW

W11-6
ESTR

TRUCK ENTRANCE
W8-6 (MOD)
ESTR

SHEET 37 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 70	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023237_PS

PLOT DATE : 9/3/2021 8:50 AM PLOT BY : WAGNER, SCOTT H 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

N

VENTURE DR

STOP
R1-1
ESTR

STREET NAME SIGN
BY OTHERS

PT: 543+74.81

"BEACON"
SEE QTYS

47
TRAIL CROSSING
W11-15A (2S)

AHEAD
W16-9P (2S)
47A

W1-2L

40 MPH
W13-1
ESTR

REMOVE

"BEACON"
SEE QTYS

56
TRAIL CROSSING
W11-15A (2S)

56A
W16-7L (2S)

545

550

STH 67

540

STH 67

SPEED LIMIT 40
R2-1
ESTR

48
W1-7 (2S)

ENGINE BRAKE MUFFLERS REQUIRED
R10-64
TOWN ORDINANCE
ESTR

JCT 18
J1-1
ESTR

2

SHEET 38 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 71	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023238_PS

PLOT DATE : 9/3/2021 8:48 AM PLOT BY : WAGNER, SCOTT H 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

N

USH 18

STH 67

555

560

EP: 563+44.36

SPEED LIMIT 40 R2-1 ESTR

RIDESHARE INFO CALL 266 - RIDE D12-2 ESTR

Eagle 9 Elhkorn 26 D2-2 ESTR

SOUTH 67 J1-1 ESTR

SPEED LIMIT 40 R2-1 ESTR

W12-1D ESTR

STOP R1-1F S.P. W12-1D ESTR

STOP R1-1F S.P. W12-1D ESTR

STOP R1-1 ESTR

EAST 18 WEST 18 ALT EAST 94 ALTERNATE WEST 94 J3-2 ESTR

W3-3 ESTR

Oconomowoc Sullivan Waukesha D2-2 ESTR

WEST 18 EAST 18 ESTR

NO MOTOR VEHICLES ESTR

ONLY R3-8(MOD) ESTR

WEST 18 EAST 18 ESTR

STOP R1-1 ESTR

STOP R1-1F S.P. ESTR

W12-1D ESTR

STOP R1-1F S.P. ESTR

LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-50L ESTR

18 Sunset Dr M1-94S ESTR

SHEET 39 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 72	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023239_PS

PLOT DATE : 7/21/2021 8:41 AM PLOT BY : WAGNER, SCOTT H 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

N

2

STH 67

NO SIGNS
THIS SHEET

SHEET 40 OF 40

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PERMANENT SIGNING PLAN	SHEET 73	E

FILE NAME : N:\PDS\C3D\CAD\31200131\SIGN\023226_PS_20.DWG
LAYOUT NAME - 023240_PS

PLOT DATE : 7/21/2021 8:41 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

N MURPHY DR

DOUBLE

SIGN

STH 67

24+00 25+00 25+21 25+84 26+00 26+78 26+78 26+95 27+00 27+04 27+26 27+38 28+00 28+05 28+37 29+00 30+00 31+00 31+08 31+28

12' 12' 12' 12' 11' 12' 12'

LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH 3' LINE W/ 9' GAP (WHITE)
3. MARKING LINE EPOXY 4-INCH 12 1/2' LINE W/ 37 1/2' GAP (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE EPOXY 4-INCH (YELLOW)
7. MARKING STOP LINE EPOXY 18-INCH (WHITE)
8. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

WILTON RD

RIPRAP

N

90+00 91+00 91+83 92+00 93+00 93+28 93+40 93+51 93+63 94+00 94+09 95+00 95+10 96+00 97+00

12' 12' 12' 14' 12' 12' 12'

STH 67

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PAVEMENT MARKING	SHEET 74	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 01-pm
PLOT DATE : 12/15/2021 9:46 AM
PLOT BY : SCHMIDT, JUDENE M
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

SIGN

1

DOUBLE

6

12'

12'

107+00

108+00

109+00

110+00

111+00

112+00

113+00

114+00

STH 67

110+41

110+85

110+54

109+93

110+64

SIGN

7

WILTON RD

6

DOUBLE

LEGEND

1 MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

2 MARKING LINE EPOXY 4-INCH 3' LINE W/ 9' GAP (WHITE)

3 MARKING LINE EPOXY 4-INCH 12 1/2' LINE W/ 37 1/2' GAP (WHITE)

4 MARKING LINE EPOXY 8-INCH (WHITE)

5 MARKING LINE EPOXY 4-INCH (WHITE)

6 MARKING LINE EPOXY 4-INCH (YELLOW)

7 MARKING STOP LINE EPOXY 18-INCH (WHITE)

8 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

N

1

DOUBLE

6

162+00

163+00

164+00

165+00

166+00

167+00

168+00

169+00

12'

12'

STH 67

165+27

166+06

166+24

166+33

166+77

7

6

DOUBLE

CTH X

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PAVEMENT MARKING	SHEET 75	E

FILE NAME : N:\PDS\C3D\312001311\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 02-pm

PLOT DATE : 12/15/2021 9:47 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

1

DOUBLE

6

178+00

179+00

180+00

181+00

182+00

183+00

184+00

185

12'

STH 67

181+02

181+26

181+38

181+48

181+74

7

6

DOUBLE

PIPER RD

1

LEGEND

1 MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

2 MARKING LINE EPOXY 4-INCH 3' LINE W/ 9' GAP (WHITE)

3 MARKING LINE EPOXY 4-INCH 12 1/2' LINE W/ 37 1/2' GAP (WHITE)

4 MARKING LINE EPOXY 8-INCH (WHITE)

5 MARKING LINE EPOXY 4-INCH (WHITE)

6 MARKING LINE EPOXY 4-INCH (YELLOW)

7 MARKING STOP LINE EPOXY 18-INCH (WHITE)

8 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

N

1

DOUBLE

6

216+00

217+00

218+00

219+00

220+00

221+00

222+00

223+00

12'

218+61

219+59

219+69

219+41

220+13

220+64

219+88

7

5

6

DOUBLE

CTH ZZ

1

STH 67

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PAVEMENT MARKING	SHEET 76	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 03-pm

PLOT DATE : 12/15/2021 9:48 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

CTH ZZ

DOUBLE

5

7

6

238+82

239+10

238+64

239+76

238+99

12'

12'

1

237+71

240+94

1

238+00

239+00

240+00

237+00

241+00

236+00

238+10

12'

11'

242+00

12'

12'

3

1

STH 67

238+10

6

DOUBLE

240+82

243+0

12'

235+68

242+90

SIGN

LEGEND

1 MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

2 MARKING LINE EPOXY 4-INCH 3' LINE W/ 9' GAP (WHITE)

3 MARKING LINE EPOXY 4-INCH 12 1/2' LINE W/ 37 1/2' GAP (WHITE)

4 MARKING LINE EPOXY 8-INCH (WHITE)

5 MARKING LINE EPOXY 4-INCH (WHITE)

6 MARKING LINE EPOXY 4-INCH (YELLOW)

7 MARKING STOP LINE EPOXY 18-INCH (WHITE)

8 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

N

CTH CI

5

DOUBLE

6

7

SIGN

6'

31'

24'

298+98

8'

DOUBLE

1

298+64

16'

6

1

6

1

301+47

12'

298+81

8

12'

299+52

297+78

298+41

298+94

299+00

300+00

301+00

302+00

12'

STH 67

00

296+00

297+00

298+00

12'

12'

12'

299+26

12'

299+39

299+92

300+85

297+07

298+76

299+63

1

SIGN

7

5

5

CTH C

DOUBLE

6

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PAVEMENT MARKING	SHEET 77	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 04-pm

PLOT DATE : 12/15/2021 9:49 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

PINE VIEW DR

LAAK LN

STH 67

SIGN

FLAG

DOUBLE

306+00
307+00
308+00
308+51
308+98
309+00
309+30
309+41
309+53
310+00
310+13
311+00
312+00
312+00
313+00

345+00
346+00
347+00
348+00
348+46
348+96
349+00
349+10
349+23
350+00
350+11
351+00
352+00

12'

LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH 3' LINE W/ 9' GAP (WHITE)
3. MARKING LINE EPOXY 4-INCH 12 1/2' LINE W/ 37 1/2' GAP (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE EPOXY 4-INCH (YELLOW)
7. MARKING STOP LINE EPOXY 18-INCH (WHITE)
8. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PAVEMENT MARKING	SHEET 78	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 05-pm
PLOT DATE : 12/15/2021 9:51 AM
PLOT BY : SCHMIDT, JUDENE M
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

STH 67

417+00 418+00 419+00 420+00 421+00 422+00 423+00 424+00

419+05 420+05 420+82 421+07 421+29 422+11

12' 12' 12' 12' 12' 12'

DOUBLE

CTH D

SEPC SEPV SEPV

W W

RUINS

LEGEND

1 MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

2 MARKING LINE EPOXY 4-INCH 3' LINE W/ 9' GAP (WHITE)

3 MARKING LINE EPOXY 4-INCH 12 1/2' LINE W/ 37 1/2' GAP (WHITE)

4 MARKING LINE EPOXY 8-INCH (WHITE)

5 MARKING LINE EPOXY 4-INCH (WHITE)

6 MARKING LINE EPOXY 4-INCH (YELLOW)

7 MARKING STOP LINE EPOXY 18-INCH (WHITE)

8 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

CTH D

SCUPPERNONG CT

435+00 436+00 437+00 437+09 437+32 438+00 438+09 438+20 438+47 438+59 438+67 438+71 438+80 438+92 439+00 439+22 439+33 439+70 440+00 441+00 441+66 442+00

STH 67

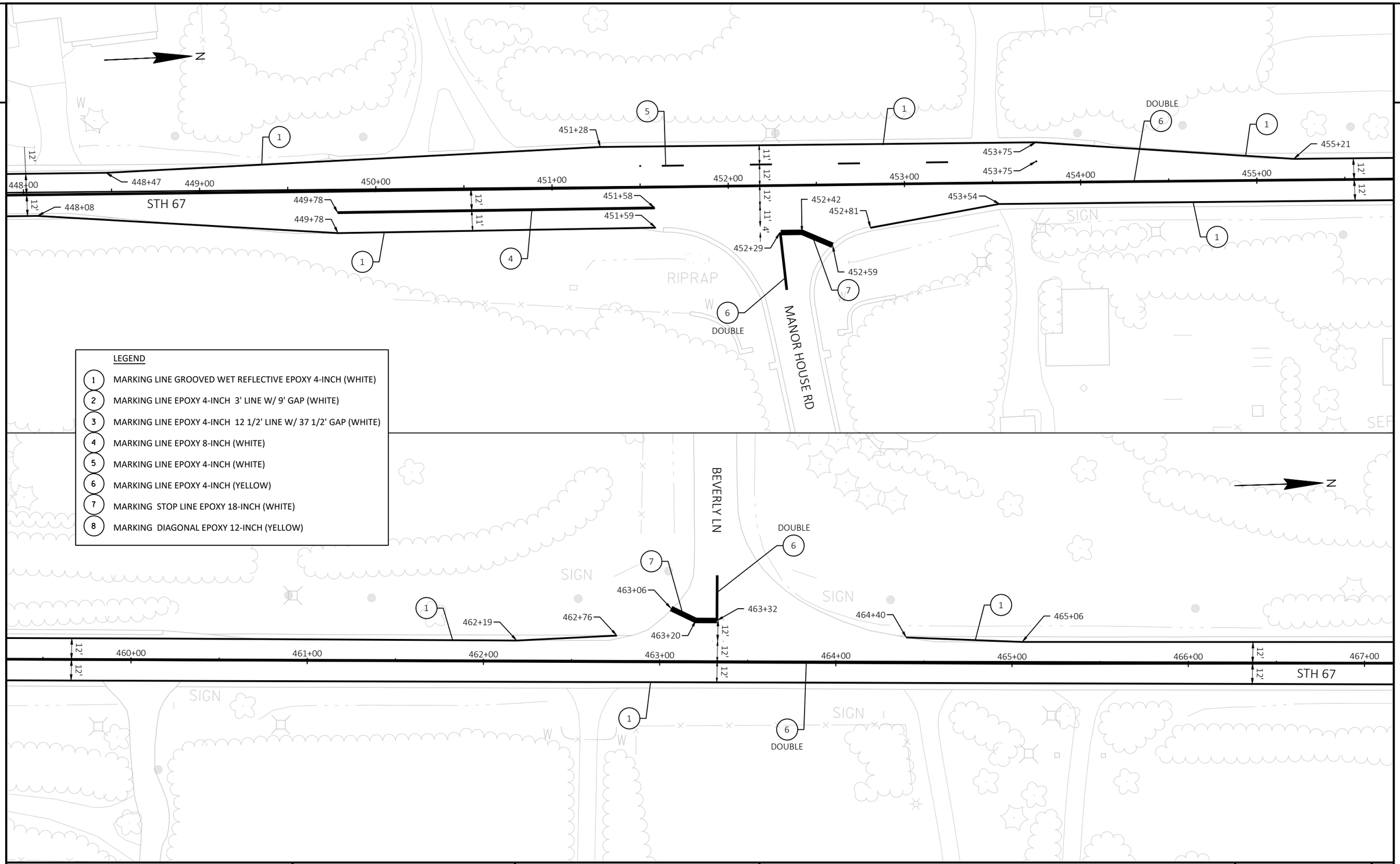
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PAVEMENT MARKING	SHEET 79	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 06-pm

PLOT DATE : 12/15/2021 9:52 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



LEGEND

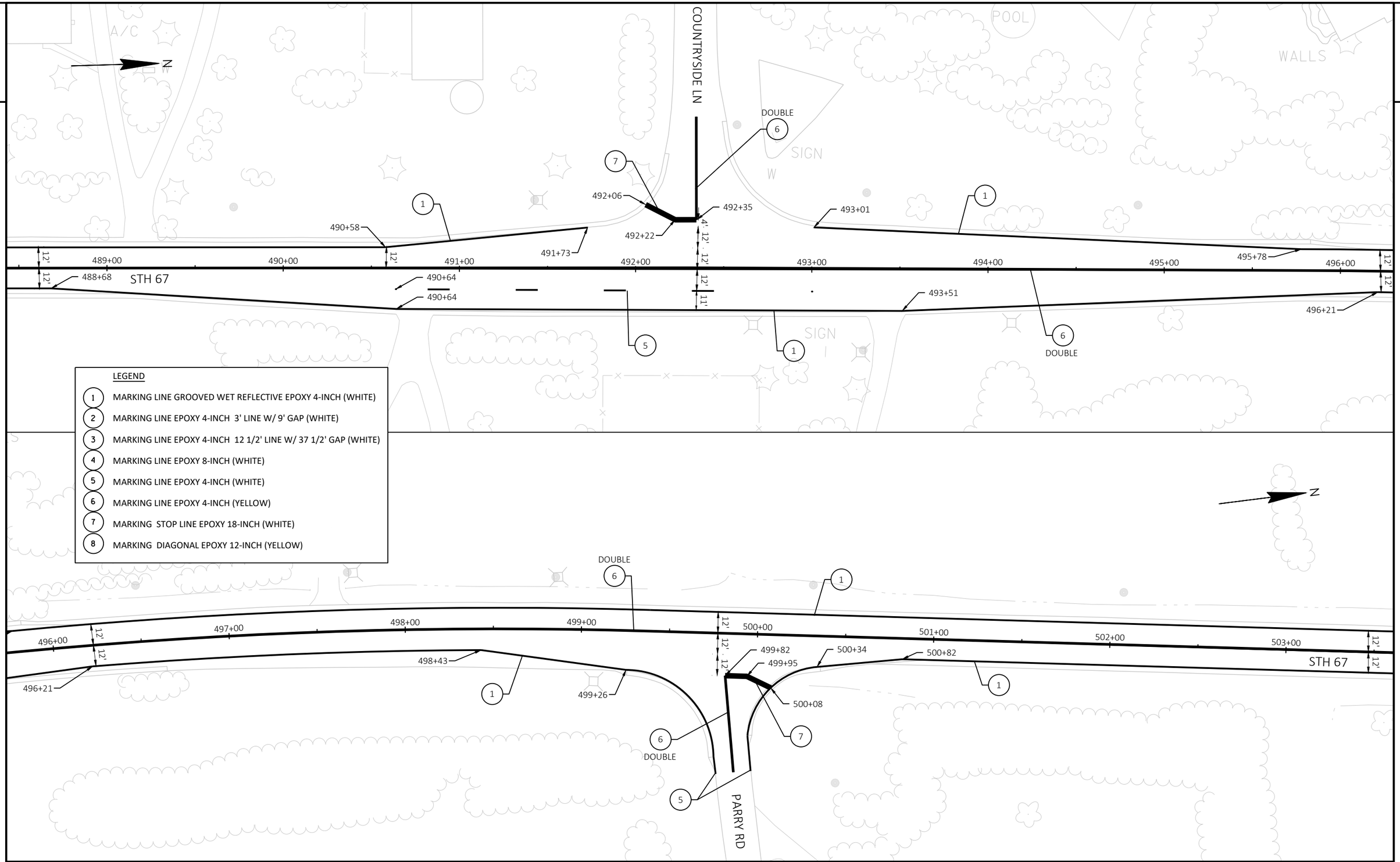
1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH 3' LINE W/ 9' GAP (WHITE)
3. MARKING LINE EPOXY 4-INCH 12 1/2' LINE W/ 37 1/2' GAP (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE EPOXY 4-INCH (YELLOW)
7. MARKING STOP LINE EPOXY 18-INCH (WHITE)
8. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PAVEMENT MARKING	SHEET 80	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 07-pm

PLOT DATE : 12/15/2021 9:53 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PAVEMENT MARKING	SHEET 81	E

2

2

N

SEPC

CTH Z

DOUBLE

6

5

7

518+16

1

518+31

518+44

517+67

12'

14'

12'

518+98

519+62

5

1

515+00

516+00

517+00

518+00

519+00

520+00

521+00

522+0

12'

12'

12'

12'

STH 67

SIGN

6

DOUBLE

1

SIGN

T

SIGN

542+00

542+08

541+00

12'

12'

540+00

539+00

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH

MARKING CROSSWALK
EPOXY BLOCK STYLE 24-INCH
SEE GLACIAL DRUMLIN STATE TRAIL DETAIL

538+00

537+00

536+00

BIKE PATH

BIKE PATH

W

W

W

LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH 3' LINE W/ 9' GAP (WHITE)
3. MARKING LINE EPOXY 4-INCH 12 1/2' LINE W/ 37 1/2' GAP (WHITE)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE EPOXY 4-INCH (WHITE)
6. MARKING LINE EPOXY 4-INCH (YELLOW)
7. MARKING STOP LINE EPOXY 18-INCH (WHITE)
8. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

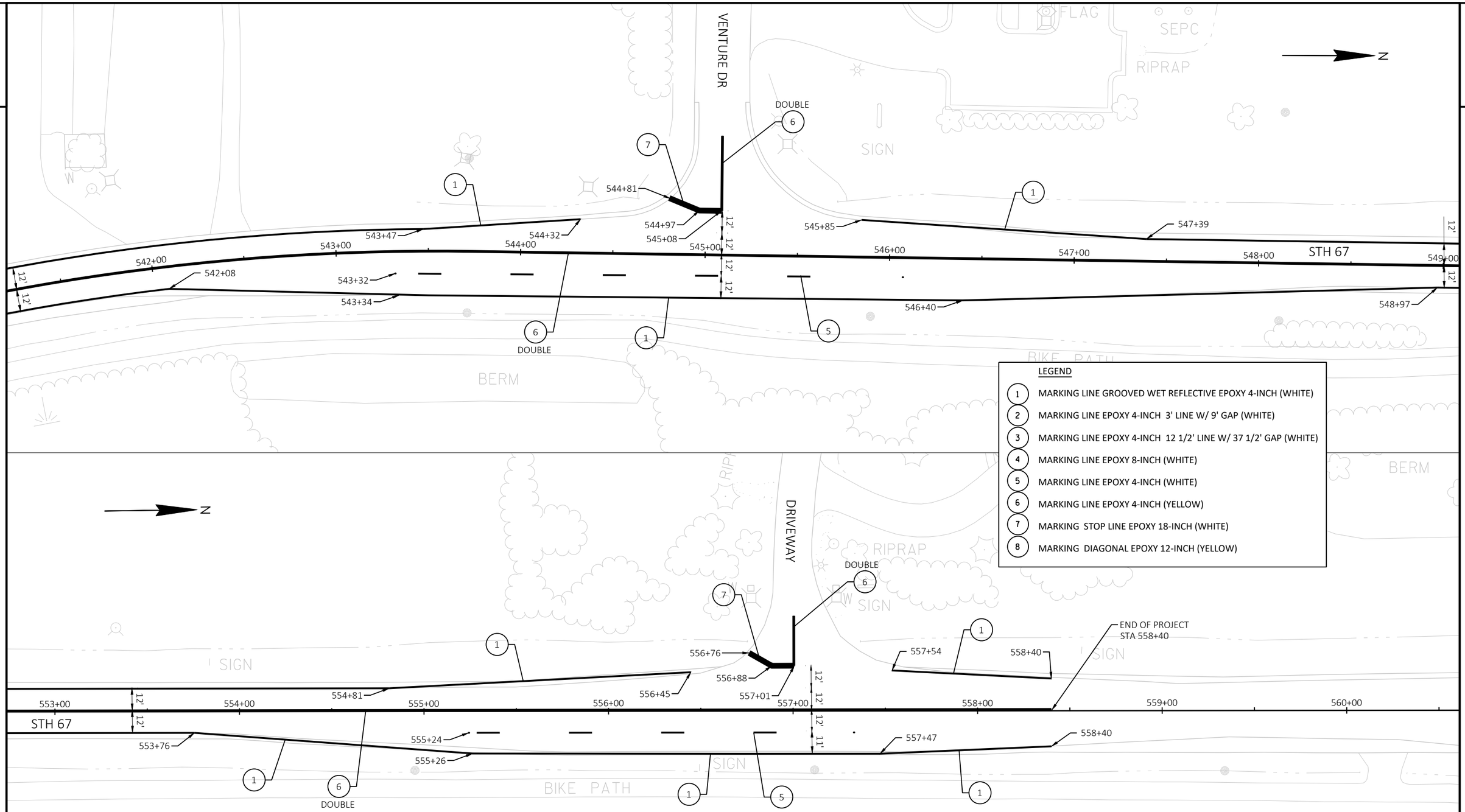
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PAVEMENT MARKING	SHEET 82	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 09-pm

PLOT DATE : 12/15/2021 9:55 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PAVEMENT MARKING	SHEET 83	E

2

GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL

1. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.

2. SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED. THE COVERING OF TYPE II SIGNS IS INCLUDED UNDER THE BID ITEM TRAFFIC CONTROL COVERING SIGNS TYPE II. IN LIEU COVERING TYPE II SIGNS, THE CONTRACTOR MAY ELECT TO REMOVE AND REINSTALL THEM.

3. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

4. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.

5. A FLAGGER MAY BE REQUIRED WITHIN "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.

6. CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

7. BARRICADE STRIPES SHALL POINT DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.

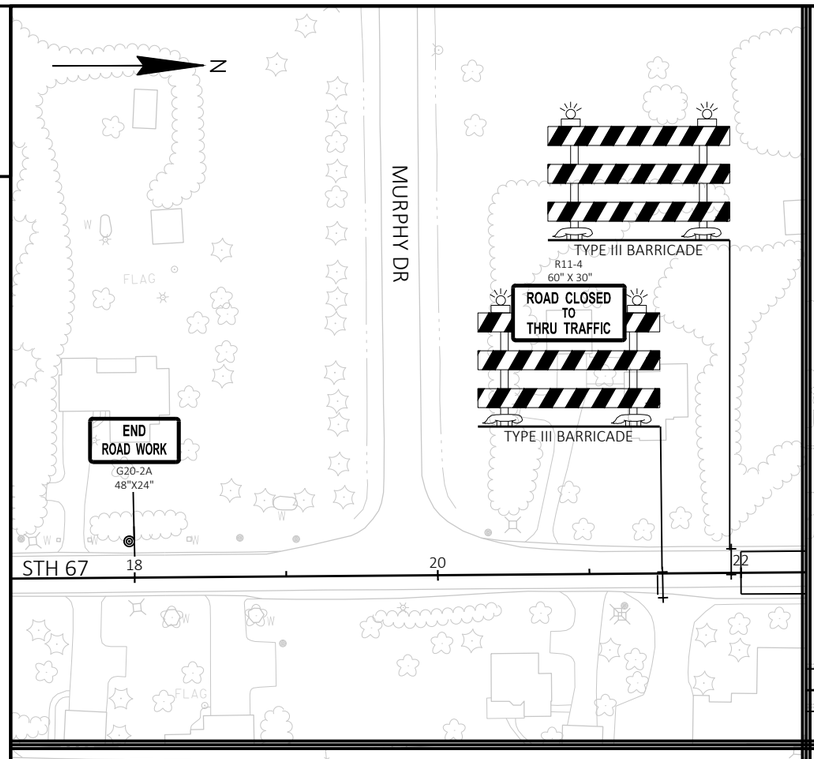
8. THE CONTRACTOR SHALL ENSURE ADEQUATE DRAINAGE AND AVOID ANY PONDING OR STANDING WATER DURING THE STAGED CONSTRUCTION.

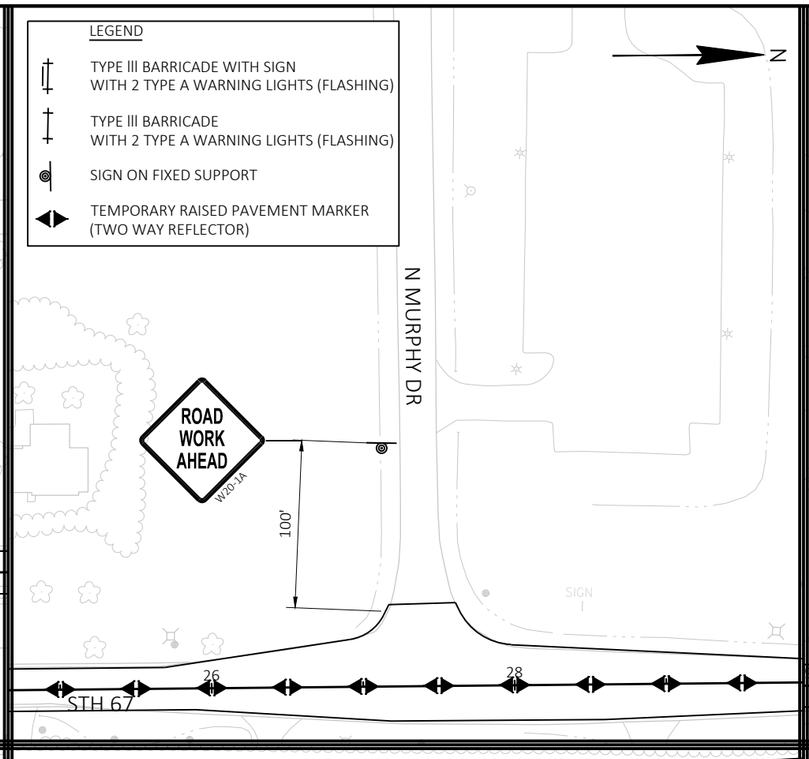
9. INSTALL TEMPORARY RAISED PAVEMENT MARKERS, TYPE II, PER SDD 15C34 ALONG CENTERLINE AFTER PAVING AND BEFORE PERMANENT PAVEMENT MARKING AND/OR AS DIRECTED BY THE ENGINEER.

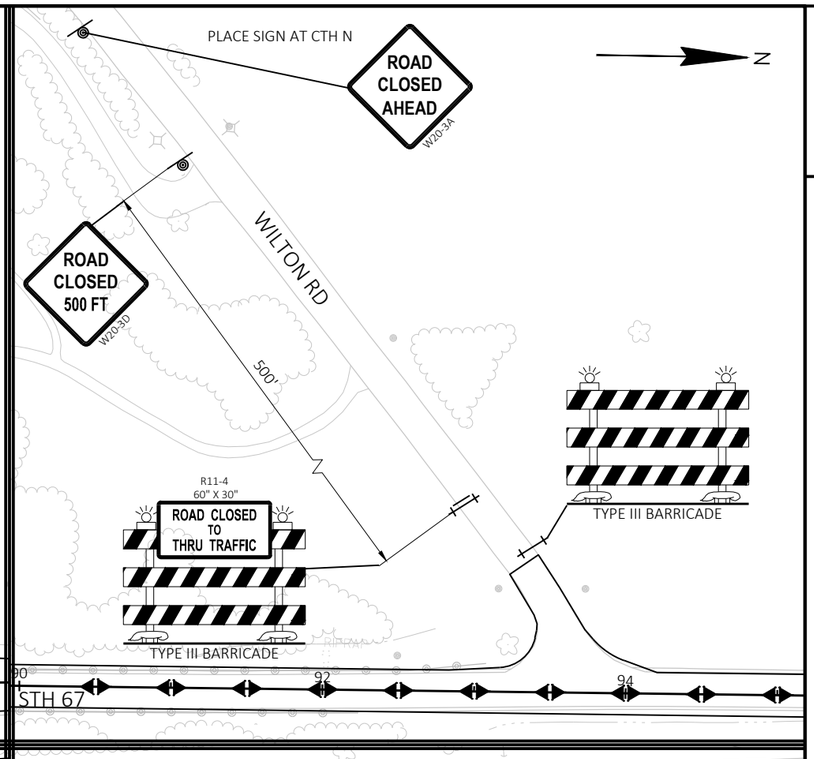
10. SEE SDD15D44 FOR SIGNING ON ROADWAYS WITH MILLED SURFACES.

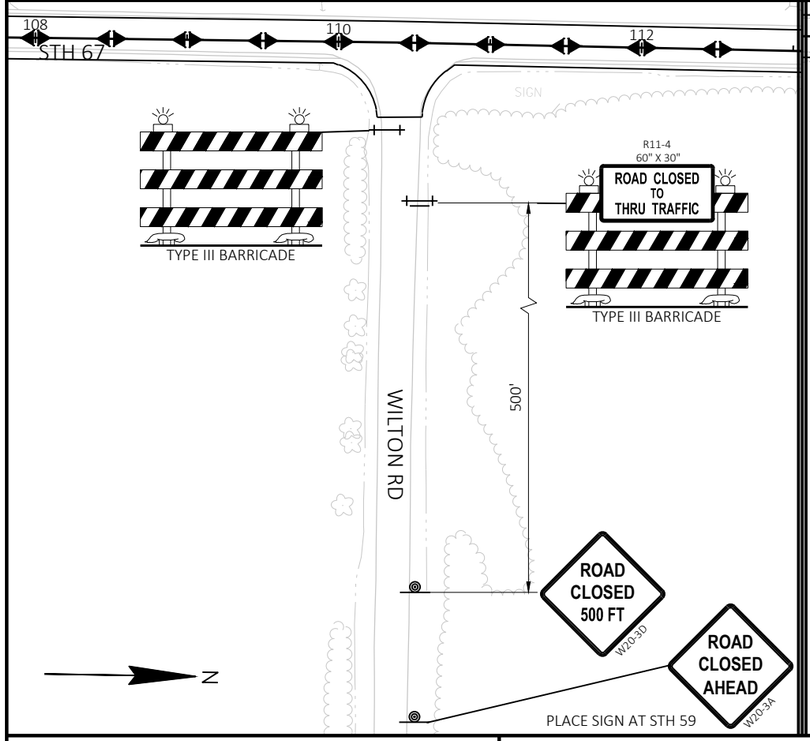
11. SEE SDD15D45 FOR SIGNING ON ROADWAYS WITH LOOSE GRAVEL FOR SIGNING OF HFST AREAS. KEEP SIGNS IN PLACE AFTER OPENING STAGE 1A/1B CLOSURES UNTIL CONTRACTOR COMPLETES VACUUM SWEEPING 3 TO 7 DAYS AFTER OPENING TO TRAFFIC.

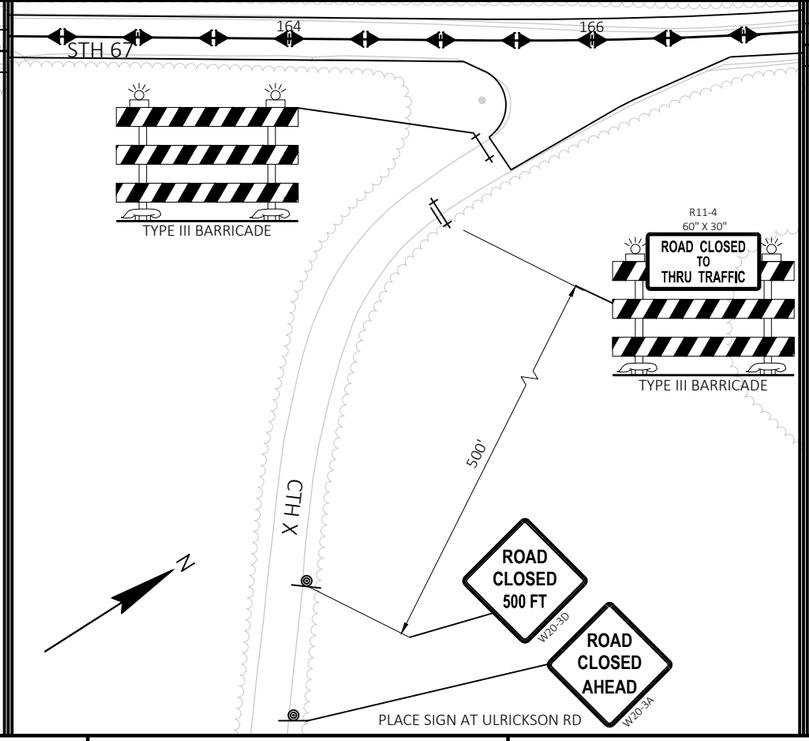
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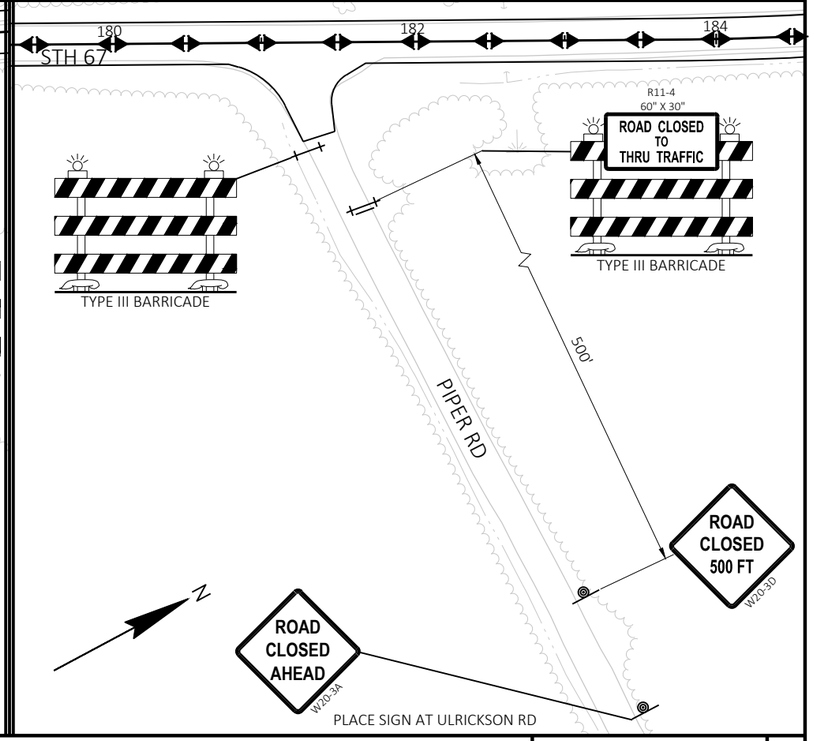






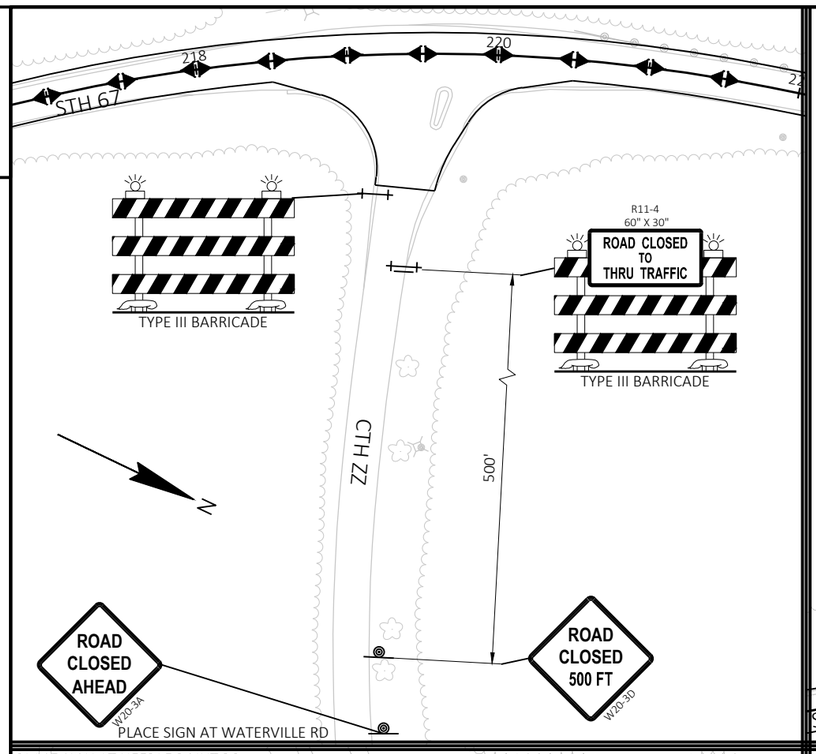


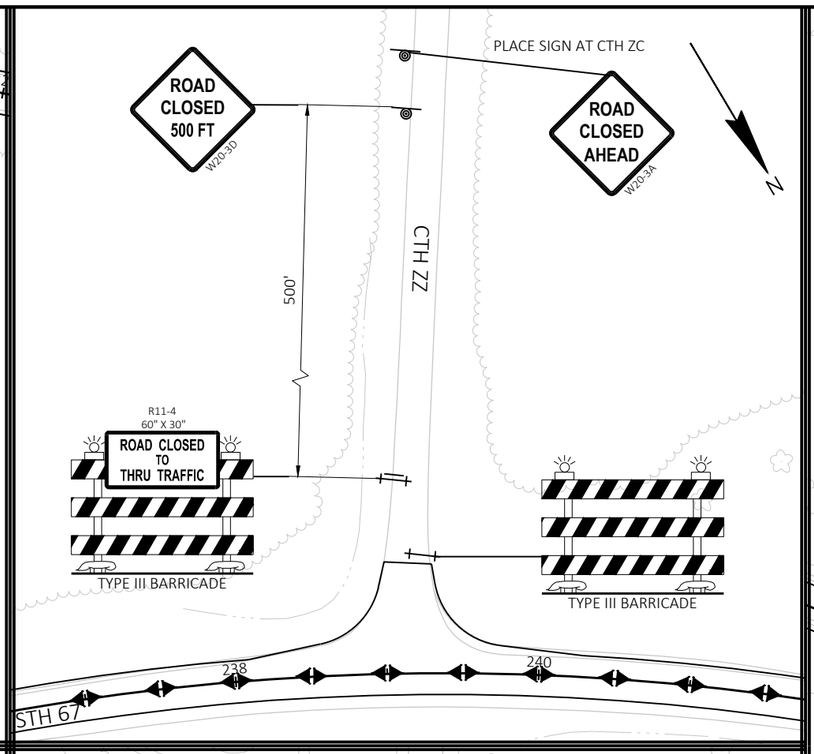


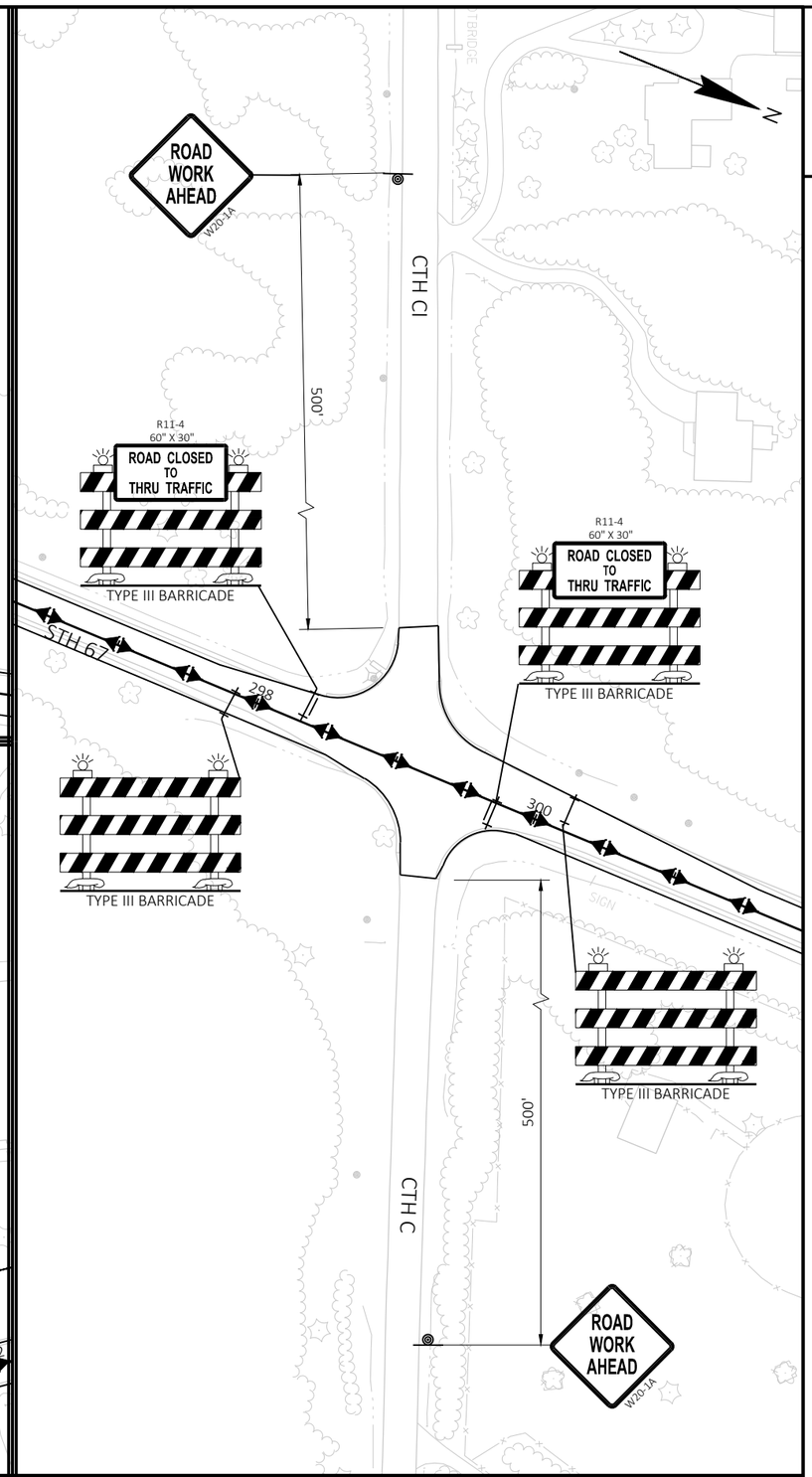


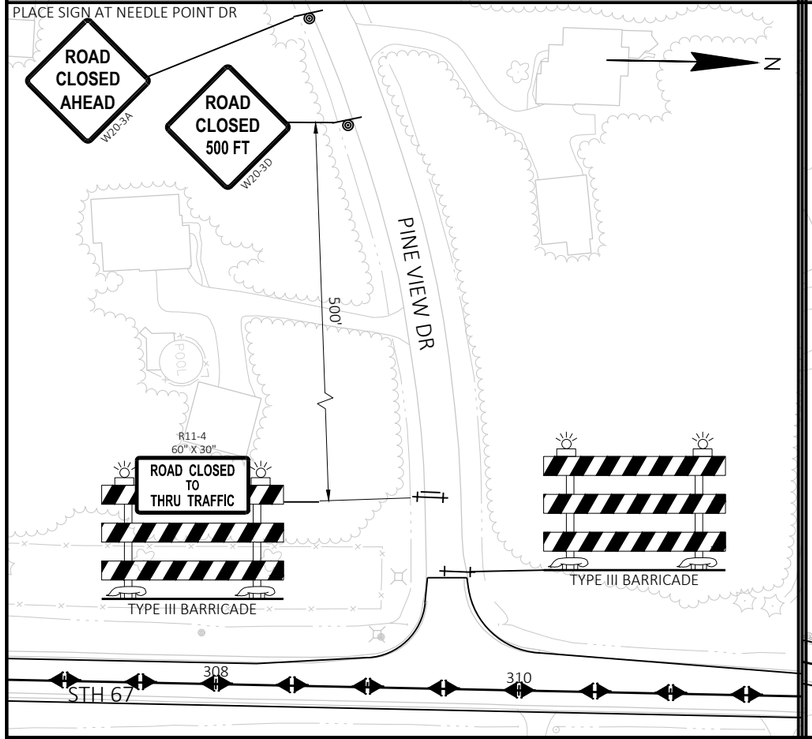
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	TRAFFIC CONTROL	SHEET 85	E

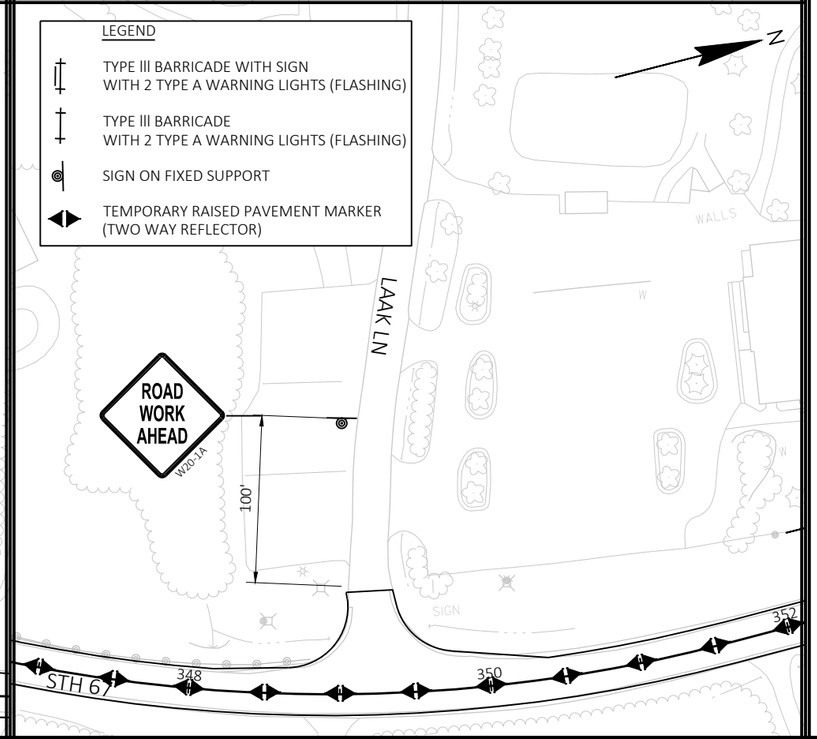
FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 01-tc
PLOT DATE : 9/23/2021 1:38 PM
PLOT BY : MAY, MATTHEW
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42





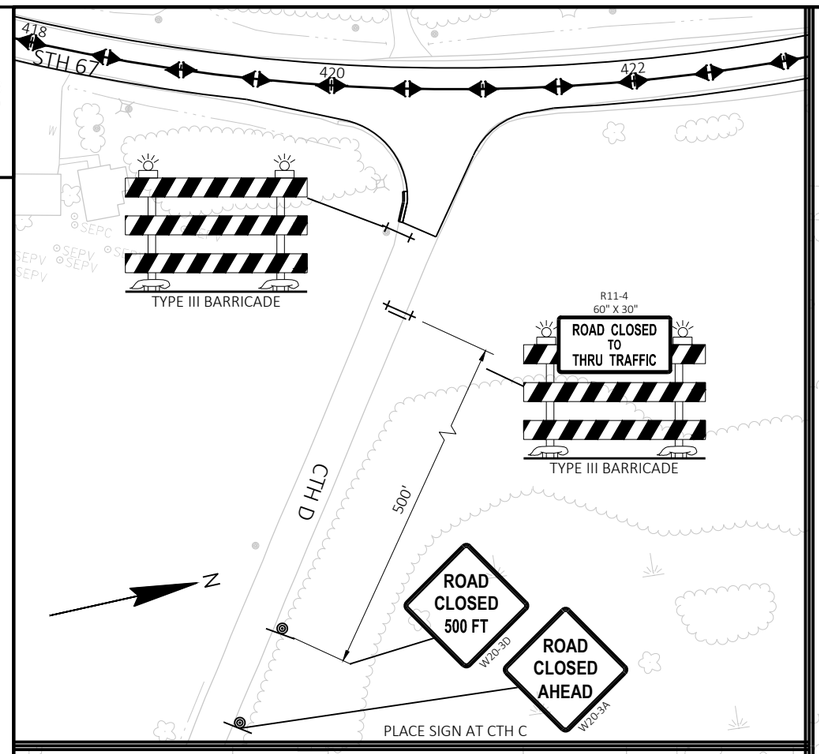


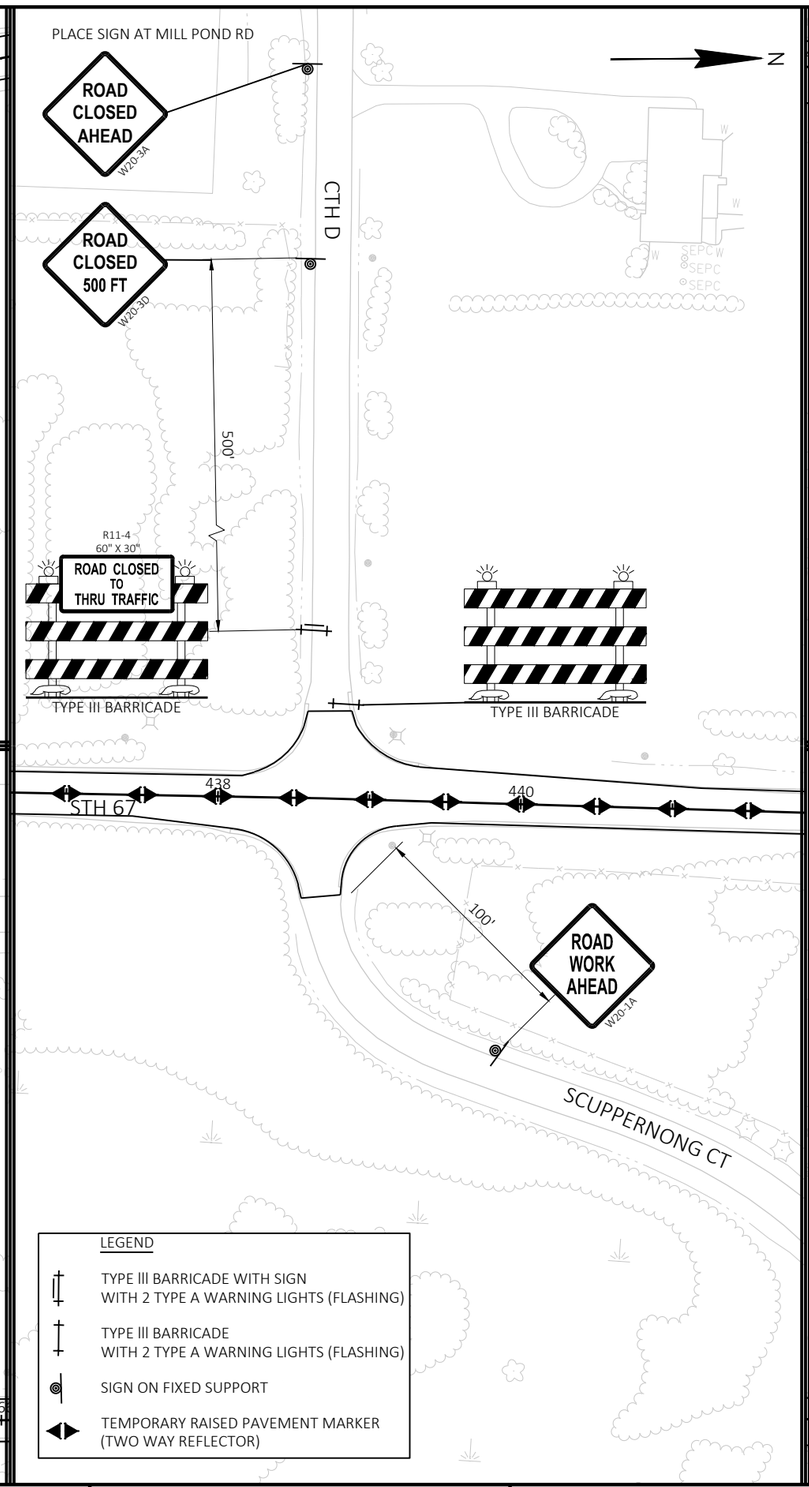


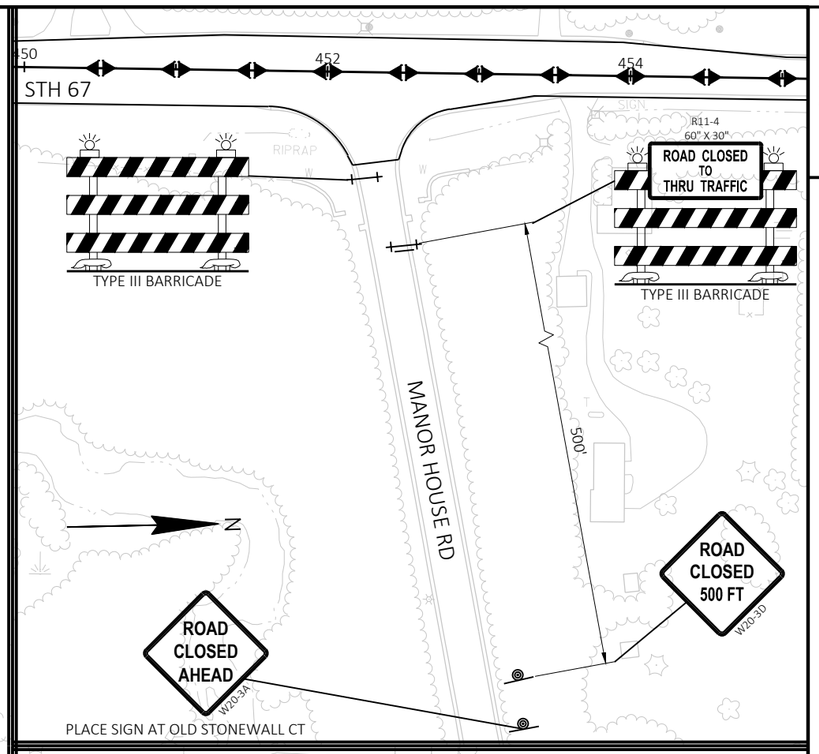


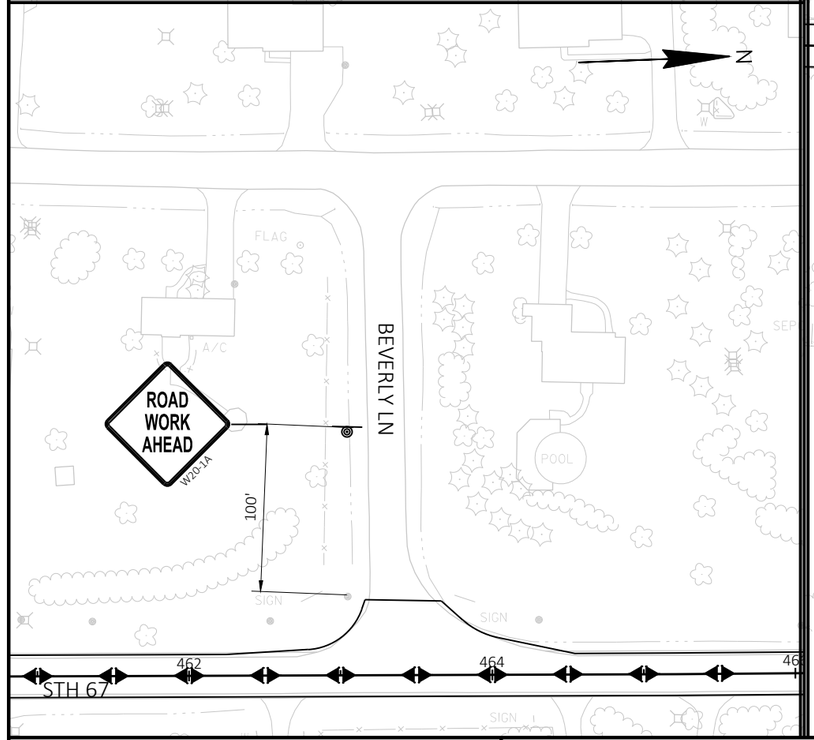
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	TRAFFIC CONTROL	SHEET 86	E

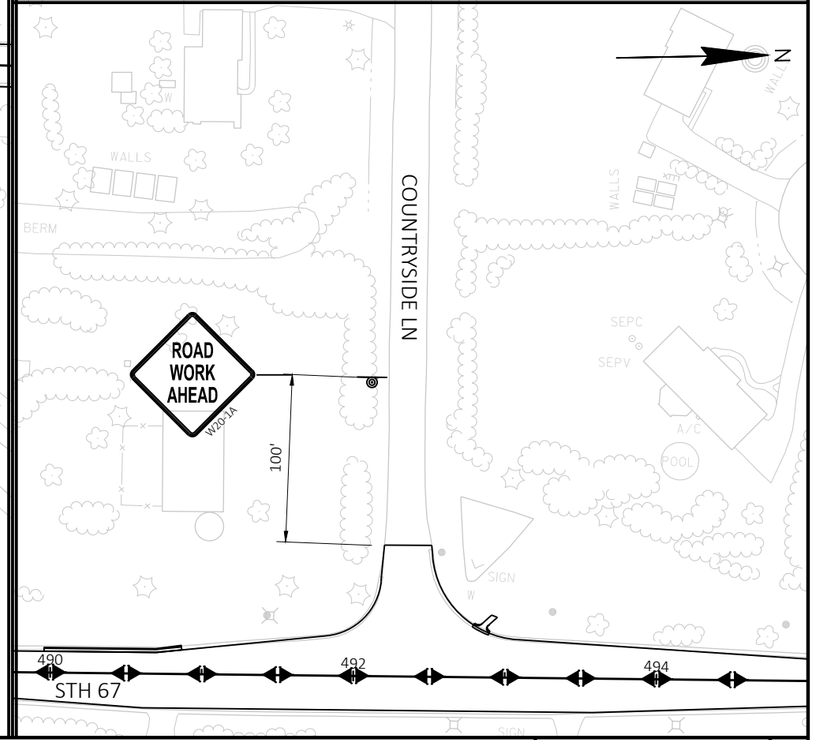
FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 02-tc
PLOT DATE : 9/23/2021 1:42 PM
PLOT BY : MAY, MATTHEW
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42











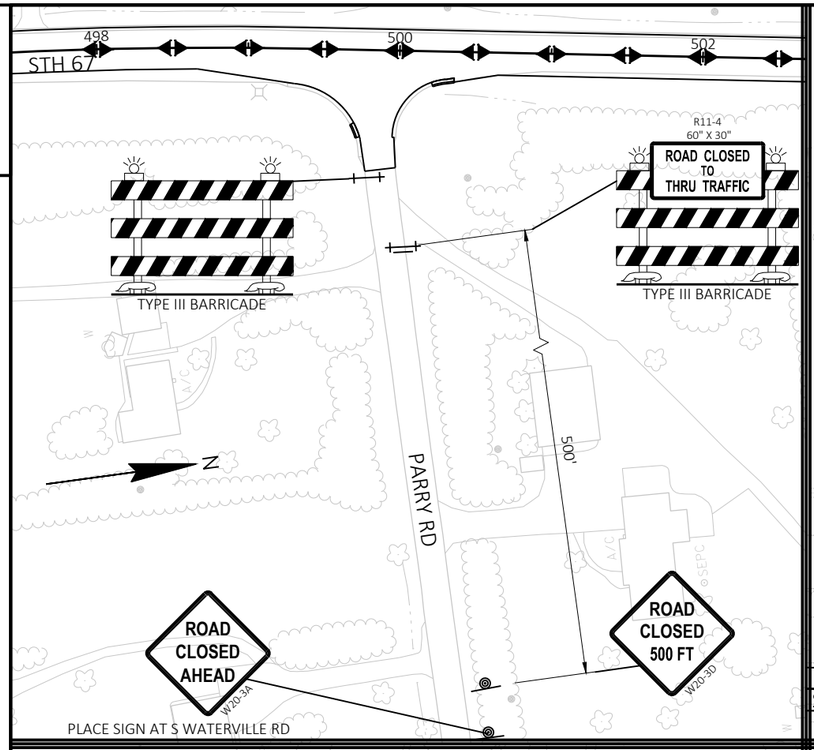
LEGEND

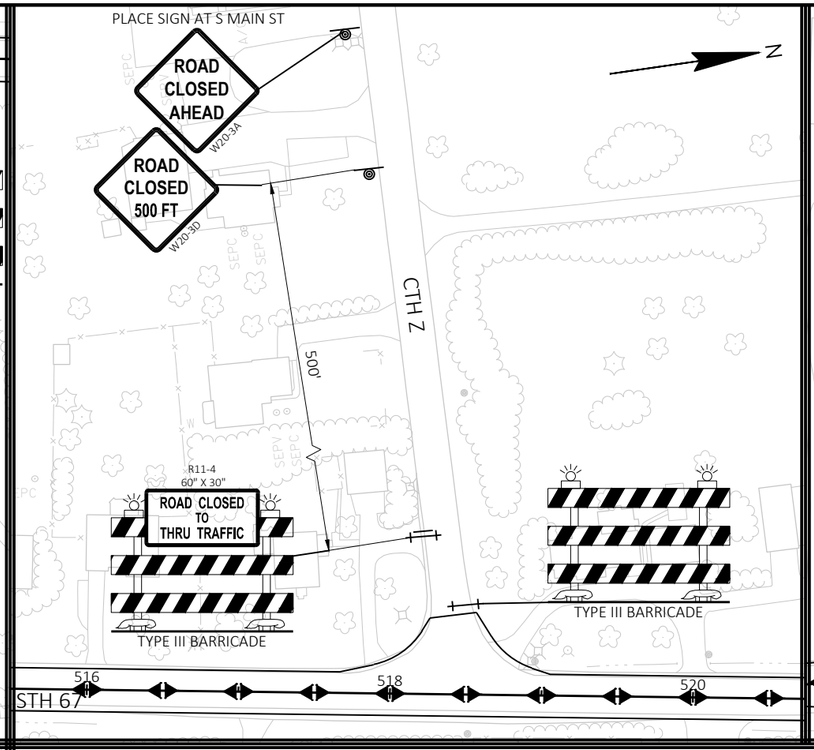
- TYPE lll BARRICADE WITH SIGN WITH 2 TYPE A WARNING LIGHTS (FLASHING)
- TYPE lll BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
- SIGN ON FIXED SUPPORT
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)

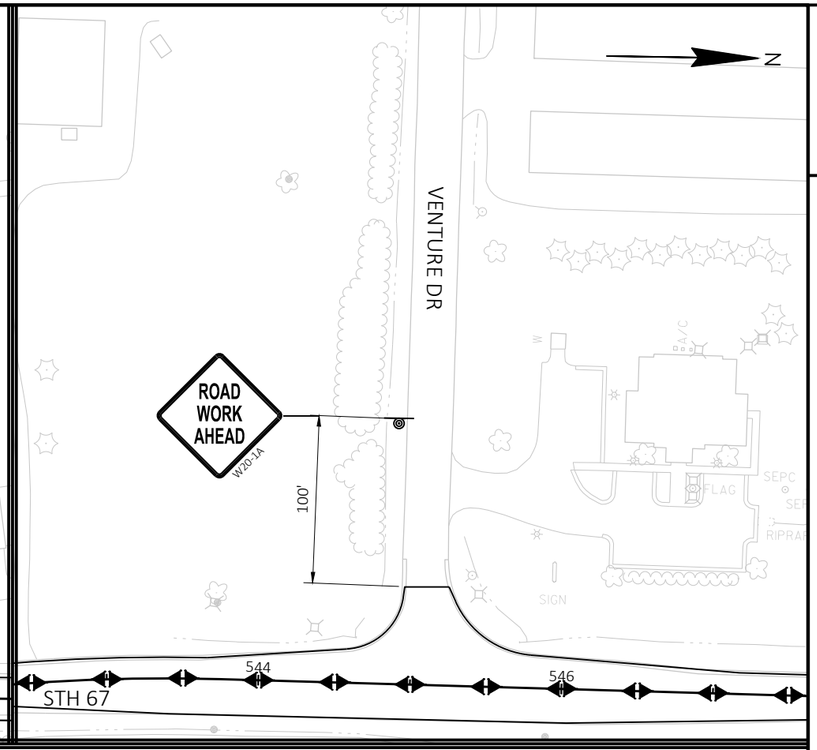
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	TRAFFIC CONTROL	SHEET 87	E

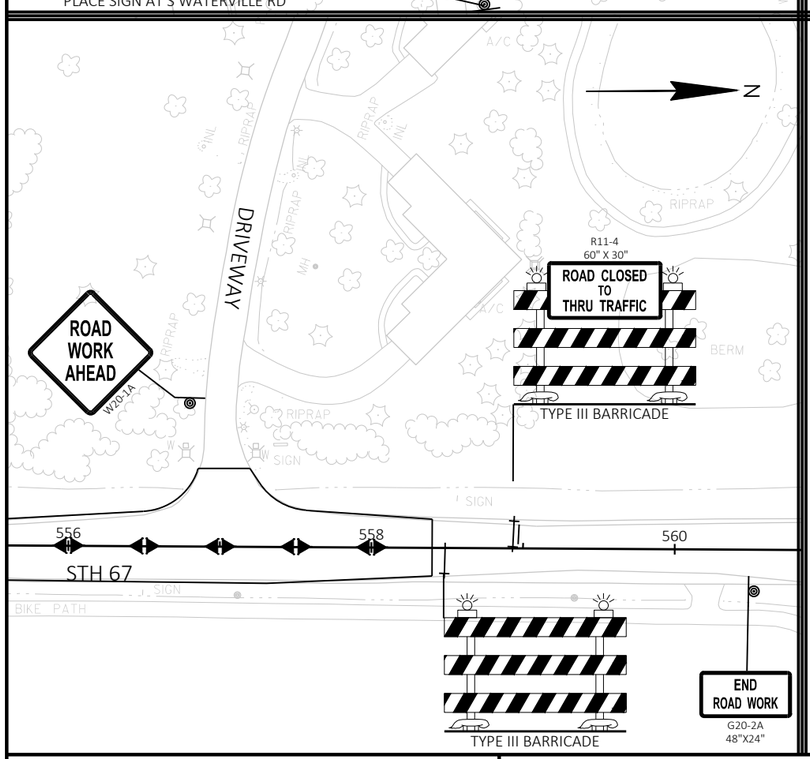
FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 03-tc

PLOT DATE : 9/23/2021 1:47 PM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT









LEGEND

- TYPE III BARRICADE WITH SIGN WITH 2 TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
- SIGN ON FIXED SUPPORT
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	TRAFFIC CONTROL	SHEET 88	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 04-tc

PLOT DATE : 9/23/2021 1:50 PM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WORK ZONE

R9-11A
24"X12"
SIDEWALK CLOSED
CROSS HERE

TYPE III BARRICADE

TYPE III BARRICADE

R / W

GUY POLE

PC 537+65.79

17'

PIPE UNDERDRAIN
UNPERFORATED 6-INCH

10'

TEMPORARY DETECTABLE
WARNING FIELD

WO11-2

AHEAD

WO16-9P

538+00

WO11-2

WO16-7L

539+00

TEMPORARY MARKING LINE
REMOVABLE TAPE 8-INCH

540+00

WO11-2

AHEAD

WO16-9P

10'

TEMPORARY DETECTABLE
WARNING FIELD

27'

PIPE UNDERDRAIN
UNPERFORATED 6-INCH

10'

51'

R / W

R9-11A
24"X12"
SIDEWALK CLOSED
CROSS HERE

TYPE III BARRICADE

TYPE III BARRICADE

2

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	TRAFFIC CONTROL - GLACIAL DRUMLIN STATE TRAIL	SHEET 89	E

1 DETOUR NORTH 67 — M4-8, M3-1, M1-6

2 DETOUR SOUTH 67 — M4-8, M3-3, M1-6

A MO5-1R | B MO6-1 | C MO5-1L | D MO6-1 | E MO6-1

F

HWY 67 OPEN TO STATE FOREST, HIKING TRAILS & BUSINESSES

G

HWY 67 OPEN TO OTTAWA LAKE REC AREA

H

WIS 67 CLOSURE STARTS	(DAY) (TIME)

PCMS 7 DAYS PRIOR TO BEGINNING OF CONSTRUCTION

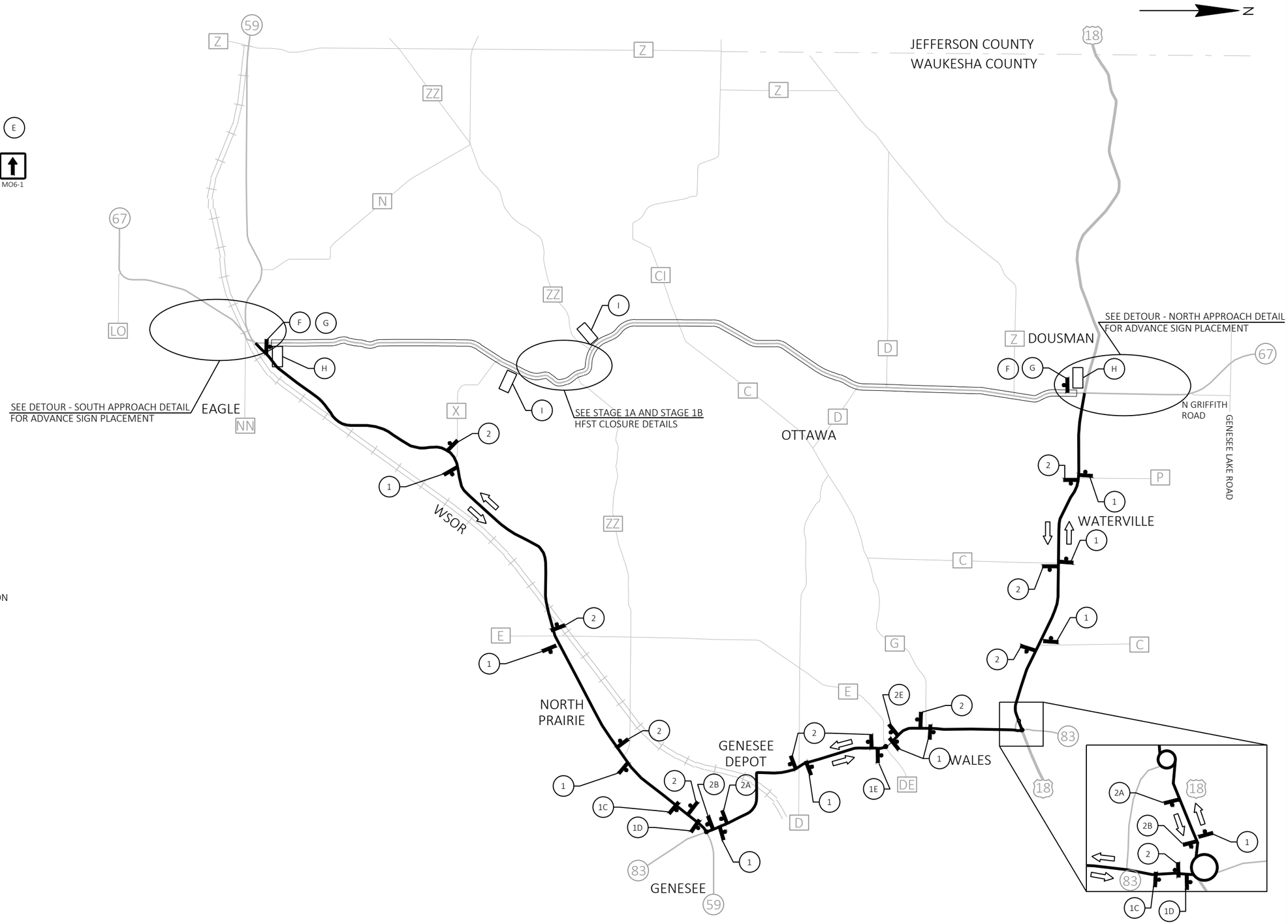
I

ROAD TO CLOSE	(DAY) (TIME)

PCMS 7 DAYS PRIOR TO HFST CLOSURE

LEGEND

- WORK ZONE
- DETOUR
- SIGN ON FIXED SUPPORT
- PCMS



PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	DETOUR PLAN	SHEET 90 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 01-dt

PLOT DATE : 10/14/2021 11:26 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : Custom

2

LEGEND

- SIGN ON FIXED SUPPORT
- EXISTING SIGN
- TYPE III BARRICADE WITH SIGN WITH 2 TYPE A WARNING LIGHTS, FLASHING
- COVER SIGN

STH 59

N

NORTH 67 M3-1 M1-6

DETOUR AHEAD W20-2A

500'

CHANGE BARRICADES DURING STAGE 1A AND STAGE 1B CLOSURES

ESTR

EAST 59 NORTH 67 SOUTH 67

R11-3 60" X 30"
ROAD CLOSED 3 MILES AHEAD LOCAL TRAFFIC ONLY

TYPE III BARRICADE

R11-4 60" X 30"
ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

HWY 67 OPEN TO STATE FOREST, HIKING TRAILS & BUSINESSES

HWY 67 OPEN TO OTTAWA LAKE REC AREA

Palmyra
Elkhorn
Rousman

STH 67/ KETTLE MORAINE DR

DETOUR NORTH 67 M4-8A M3-3 M1-6 M06-1

END DETOUR SOUTH 67

STH 59

NORTH 67 EAST 59 NORTH 67 SOUTH 67

WISCONSIN ST

PARTRIDGE ST

NORTH 67 EAST 59

RAILROAD ST

NORTH 67 EAST 59 SOUTH 67

Waukesha
Oconomowoc
Elkhorn

STH 67/ ELKHORN RD

500'

850'

320'

180'

ROAD CLOSED AHEAD W20-3A

DETOUR AHEAD W20-2A

ROAD CLOSED 500 FT W20-3D

STH 67/ N GROVE ST

GROVE ST

NORTH 67

DETOUR NORTH 67 M4-8 M3-1 M1-6 M05-1R

DETOUR NORTH 67 M4-8 M3-1 M1-6 M06-1

CTH N

E EAGLE ST

MAIN ST

MAPLE ST

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	DETOUR - SOUTH APPROACH	SHEET 91	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - South-dt

PLOT DATE : 9/10/2021 1:09 PM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:150 FT

WISDOT/CADDS SHEET 42

2

2

SOUTH 67 M3-3 M1-6
DETOUR AHEAD W20-2A
500'
USH 18
NORTH EAST SOUTH 67 59 67
BARK RIVER
Elkhorn
Oconomowoc
Eagle
N
CHANGE BARRICADES DURING STAGE 1A AND STAGE 1B CLOSURES
R11-3 60" X 30"
ROAD CLOSED 6 MILES AHEAD LOCAL TRAFFIC ONLY
TYPE III BARRICADE
DETOUR SOUTH 67 M4-8 M3-3 M1-6 M06-1
DETOUR SOUTH 67 M4-8 M3-3 M1-6 M06-1
ROAD CLOSED 500 FT W20-3D
500'
300'
DETOUR SOUTH 67 M4-8 M3-3 M1-6 M05-1L
400'
DETOUR AHEAD W20-2A
500'
ROAD CLOSED AHEAD W20-3A
R11-4 60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE
NORTH SOUTH 67 67
560
STH 67/ SUMMIT AVE
HWY 67 OPEN TO OTTAWA LAKE REC AREA
HWY 67 OPEN TO STATE FOREST, HIKING TRAILS & BUSINESSES
SOUTH NORTH 67 67
END DETOUR NORTH M4-8A M3-1 M1-6 67
WHITTAKER LN
USH 18
SOUTH WEST NORTH 67 59 67

LEGEND
- SIGN ON FIXED SUPPORT
- EXISTING SIGN
- TYPE III BARRICADE WITH SIGN WITH 2 TYPE A WARNING LIGHTS, FLASHING
- COVER SIGN

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	DETOUR - NORTH APPROACH	SHEET 92	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - North-dt
PLOT DATE : 9/10/2021 1:09 PM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:150 FT

2

N

R11-3
60"X30"
ROAD CLOSED
1/4 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

R11-3
60" X 30"
ROAD CLOSED
1/4 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

160
165
170
175
180
185
190
195
200
STH 67
CTH X
PIPER ROAD

LEGEND

HFST AREA

TYPE III BARRICADE WITH SIGN
WITH 2 TYPE A WARNING LIGHTS (FLASHING)

TYPE III BARRICADE
WITH 1 TYPE A WARNING LIGHT (FLASHING)

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	STAGE 1A HFST CLOSURE DETAIL - PIPER ROAD TO CTH ZZ (EAST)	SHEET 93	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 01-HFST-S

PLOT DATE : 8/9/2021 4:19 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:250 FT

2

LEGEND

HFST AREA

TYPE III BARRICADE WITH SIGN
WITH 2 TYPE A WARNING LIGHTS (FLASHING)

TYPE III BARRICADE
WITH 1 TYPE A WARNING LIGHT (FLASHING)

N

R11-3
60" X 30"
ROAD CLOSED
1/4 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

R11-3
60"X30"
ROAD CLOSED
1/4 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

CTH ZZ (WEST)
CTH ZZ (EAST)
STH 67
205
210
215
220
225
230
235
240
245
250

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	STAGE 1A HFST CLOSURE DETAIL - PIPER ROAD TO CTH ZZ (EAST)	SHEET 94	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\027003-DT.DWG
LAYOUT NAME - 02-HFST-S

PLOT DATE : 8/9/2021 4:20 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:250 FT

WISDOT/CADDS SHEET 42

2

R11-3
60"X30"
ROAD CLOSED
3/4 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

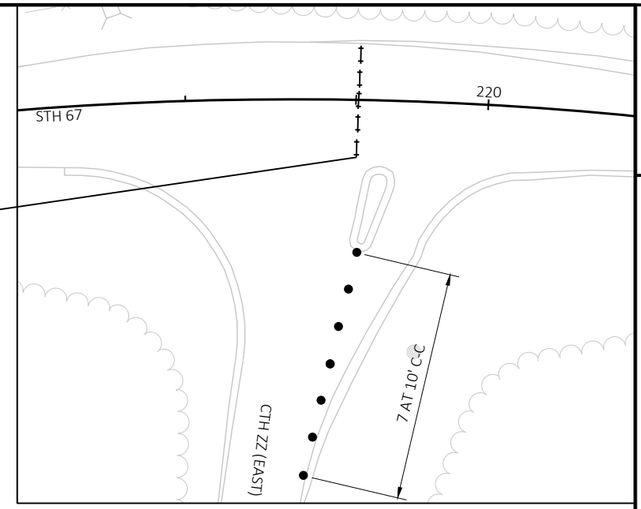
R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

R11-3
60" X 30"
ROAD CLOSED
3/4 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

PIPER ROAD

175
180
185
190
195
200
205
210
215
220

STH 67



DETAIL A

SEE DETAIL A

CTH ZZ (EAST)

N

LEGEND

- HFST AREA
- TYPE lll BARRICADE WITH SIGN WITH 2 TYPE A WARNING LIGHTS (FLASHING)
- TYPE lll BARRICADE WITH 1 TYPE A WARNING LIGHT (FLASHING)
- TRAFFIC CONTROL DRUM

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	STAGE 1B HFST CLOSURE DETAIL - CTH ZZ (EAST) TO CTH ZZ (WEST)	SHEET 95	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\027004-DT.DWG
LAYOUT NAME - 01-HFST-N

PLOT DATE : 8/10/2021 8:41 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:250 FT

2

CTH ZZ (WEST)

230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305

STH 67

CTH C

CTH C

N

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

R11-3
60" X 30"
ROAD CLOSED
1 MILES AHEAD
LOCAL TRAFFIC ONLY

TYPE III BARRICADE

R11-3
60"X30"
ROAD CLOSED
1 MILES AHEAD
LOCAL TRAFFIC ONLY

TYPE III BARRICADE

LEGEND

HFST AREA

TYPE III BARRICADE WITH SIGN
WITH 2 TYPE A WARNING LIGHTS (FLASHING)

TYPE III BARRICADE
WITH 1 TYPE A WARNING LIGHT (FLASHING)

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	STAGE 1B HFST CLOSURE DETAIL - CTH ZZ (EAST) TO CTH ZZ (WEST)	SHEET 96	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\027004-DT.DWG
LAYOUT NAME - 02-HFST-N

PLOT DATE : 8/10/2021 8:41 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:400 FT

2

N

STH 67 CL

PI: 46+06.96

N1°26'01"W 522.33'

PI: 40+84.63

N0°21'26"E 1069.63'

X= 618364.558
Y= 115542.900
517086
982.114
SEC

S89°06'10"E
2608.44'

PI: 30+15.00

S89°40'51"E
2611.34'

T 5 N
R 17 E
15
22

N0°12'52"W 2015.38'

BP: 9+99.62

949.250'
X= 618155.165
Y= 113123.598
3909
HMOD 114 RESET

T 5 N
R 17 E
22

X= 618381.487
Y= 112906.178
517099
941.493
SEC

N0°12'54"W 2169.08'

STH 67 CL

C 6
PI STA = 86+99.29
Y = 121142.962
X = 618359.209
DELTA = 21°35'08"
D = 6°15'00"
T = 174.76'
L = 345.37'
R = 916.73'
PC STA = 85+24.53
PT STA = 88+69.90

PT: 88+69.90

N21°48'02"W 136.22'

C 6

PC: 85+24.53

PT: 83+88.31

517060
928.039
SEC

S89°44'30"E
2599.75'

N89°44'02"E
2607.91'

STA 83+51.07
X= 618487.337
Y= 120819.204

C 5

C 5
PI STA = 82+15.20
Y = 120680.832
X = 618544.052
DELTA = 37°47'10"
D = 10°30'00"
T = 186.75'
L = 359.87'
R = 545.67'
PC STA = 80+28.45
PT STA = 83+88.31

T 5 N
R 17 E
10
15

X= 618336.338
Y= 120818.503

C 4
PI STA = 76+63.15
Y = 120149.439
X = 618391.821
DELTA = 9°18'58"
D = 2°51'53"
T = 162.96'
L = 325.19'
R = 2000.00'
PC STA = 75+00.19
PT STA = 78+25.39

N15°59'09"E 203.06'

PC: 80+28.45

PT: 78+25.39

C 4

PC: 75+00.19

N6°40'10"E 371.43'

STA 72+35.44
X= 618342.145
Y= 119724.626

PT: 71+28.76

C 3

C 3
PI STA = 69+99.24
Y = 119489.224
X = 618314.619
DELTA = 11°02'37"
D = 4°15'00"
T = 130.33'
L = 259.85'
R = 1348.14'
PC STA = 68+68.91
PT STA = 71+28.76

PC: 68+68.91

PT: 67+27.93

N17°42'48"E 140.98'

C 2

C 2
PI STA = 64+75.90
Y = 118971.547
X = 618149.275
DELTA = 38°00'08"
D = 7°15'00"
T = 272.13'
L = 524.17'
R = 790.29'
PC STA = 62+03.77
PT STA = 67+27.93

N0°18'15"W 2617.23'

N20°17'20"W 147.03'

PC: 62+03.77

PT: 60+56.74

C 1

C 1
PI STA = 59+17.68
Y = 118445.343
X = 618343.808
DELTA = 19°39'47"
D = 7°00'00"
T = 141.85'
L = 280.90'
R = 818.51'
PC STA = 57+75.83
PT STA = 60+56.74

PC: 57+75.83

517073
991.760
SEC

S89°45'02"E
2608.87'

S89°44'59"E
2607.29'

T 5 N
R 17 E
15

X= 618350.233
Y= 118201.312

N0°37'33"W 1168.88'

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	ALIGNMENT LAYOUT	SHEET 97	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\027200-AD.DWG
LAYOUT NAME - 01-ad

PLOT DATE : 6/3/2021 10:31 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

PC: 142+69.24

PT STA = 149+47.62

T 5 N
R 17 E
3
10

140

X= 618364.731
Y= 126124.088
517034
878.576
SEC

N

S89°26'49"E
2643.41'

N89°54'57"E
2611.13'

N0°45'36"E
926.00'

PI: 133+43.24

130

N0°14'45"E
2304.26'

120

T 5 N
R 17 E
10

X= 618350.393
Y= 123486.757
517047
954.701
SEC

S89°55'47"E
2621.33'

PI: 110+38.97

N89°51'18"E
2598.34'

110

STH 67 CL

100

N0°12'54"W
2169.08'

PT STA = 199+17.72

PC: 195+79.88

N11°00'26"W
270.93'

C 10
PI STA = 191+22.81
Y = 131037.358
X = 620484.133
DELTA = 21°40'03"
D = 5°45'00"
T = 190.69'
L = 376.83'
R = 996.45'
PC STA = 189+32.11
PT STA = 193+08.94

PT: 193+08.94

C 10

PC: 189+32.11

PT: 188+67.38

190

N10°39'37"E
64.73'

C 9

PC: 183+83.48

C 9
PI STA = 186+27.21
Y = 130546.821
X = 620391.796
DELTA = 16°56'11"
D = 3°30'00"
T = 243.73'
L = 483.90'
R = 1637.02'
PC STA = 183+83.48
PT STA = 188+67.38

180

N27°35'49"E
1016.48'

PI: 173+67.01

PT: 169+21.85

170

N25°10'14"E
445.16'

X= 618389.435
Y= 128792.052
517021
865.362
SEC

T 5 N
R 17 E
3

PC: 165+31.22

C 8

STA 166+52.51
X= 619492.846
Y= 128789.083

S89°50'45"E
2627.77'

517022
934.242
SEC
X= 621017.193
Y= 128784.982

C 8
PI STA = 167+26.84
Y = 128850.063
X = 619535.481
DELTA = 7°48'45"
D = 2°00'00"
T = 195.62'
L = 390.63'
R = 2864.79'
PC STA = 165+31.22
PT STA = 169+21.85

T 5 N
R 17 E
3
2

160

STH 67 CL

N32°58'59"E
1583.60'

PT: 149+47.62

150

C 7

C 7
PI STA = 146+17.66
Y = 127065.329
X = 618377.209
DELTA = 32°13'23"
D = 4°45'00"
T = 348.42'
L = 678.38'
R = 1206.23'
PC STA = 142+69.24
PT STA = 149+47.62

PC: 142+69.24

2

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	ALIGNMENT LAYOUT	SHEET 98	E

2

C 17
PI STA = 256+94.33
Y = 135957.450
X = 617862.527
DELTA = 25°58'44"
D = 5°00'00"
T = 264.33'
L = 519.58'
R = 1145.92'
PC STA = 254+30.00
PT STA = 259+49.58

C 16
PI STA = 241+64.10
Y = 134386.104
X = 618557.795
DELTA = 61°14'11"
D = 3°30'00"
T = 968.83'
L = 1749.61'
R = 1637.02'
PC STA = 231+95.27
PT STA = 249+44.88

C 15
PI STA = 226+64.09
Y = 134251.612
X = 620127.901
DELTA = 70°45'59"
D = 14°00'00"
T = 290.66'
L = 505.47'
R = 409.26'
PC STA = 223+73.43
PT STA = 228+78.90

C 14
PI STA = 219+32.81
Y = 133535.104
X = 620311.040
DELTA = 25°10'25"
D = 5°00'00"
T = 255.87'
L = 503.47'
R = 1145.92'
PC STA = 216+76.94
PT STA = 221+80.42

C 13
PI STA = 212+84.53
Y = 133031.636
X = 620726.235
DELTA = 24°38'56"
D = 9°00'00"
T = 139.09'
L = 273.88'
R = 636.62'
PC STA = 211+45.44
PT STA = 214+19.31

C 12
PI STA = 206+14.27
Y = 132350.989
X = 620906.865
DELTA = 55°40'21"
D = 14°15'00"
T = 212.32'
L = 390.68'
R = 402.08'
PC STA = 204+01.95
PT STA = 207+92.64

C 11
PI STA = 197+59.10
Y = 131666.414
X = 620361.774
DELTA = 47°17'56"
D = 14°00'00"
T = 179.22'
L = 337.85'
R = 409.26'
PC STA = 195+79.88
PT STA = 199+17.72

C 18
PI STA = 266+68.16
Y = 136591.265
X = 617111.266
DELTA = 50°04'49"
D = 4°30'00"
T = 594.81'
L = 1112.89'
R = 1273.24'
PC STA = 260+73.35
PT STA = 271+86.24

STA 244+75.65
X= 618414.131
Y= 134875.858

STA 231+55.33
X= 619562.880
Y= 134300.010

STA 296+22.00
X= 617123.619
Y= 139621.802

617151
872.753
SEC
X= 618891.422
Y= 166376.581

X= 618390.828
Y= 131661.590
617164
856.817
SEC

X= 618415.967
Y= 131661.158
517008
856.392
SEC

X= 615795.663
Y= 139641.035
617124
872.907
SEC

617125
903.342
SEC
X= 618434.369
Y= 139602.818

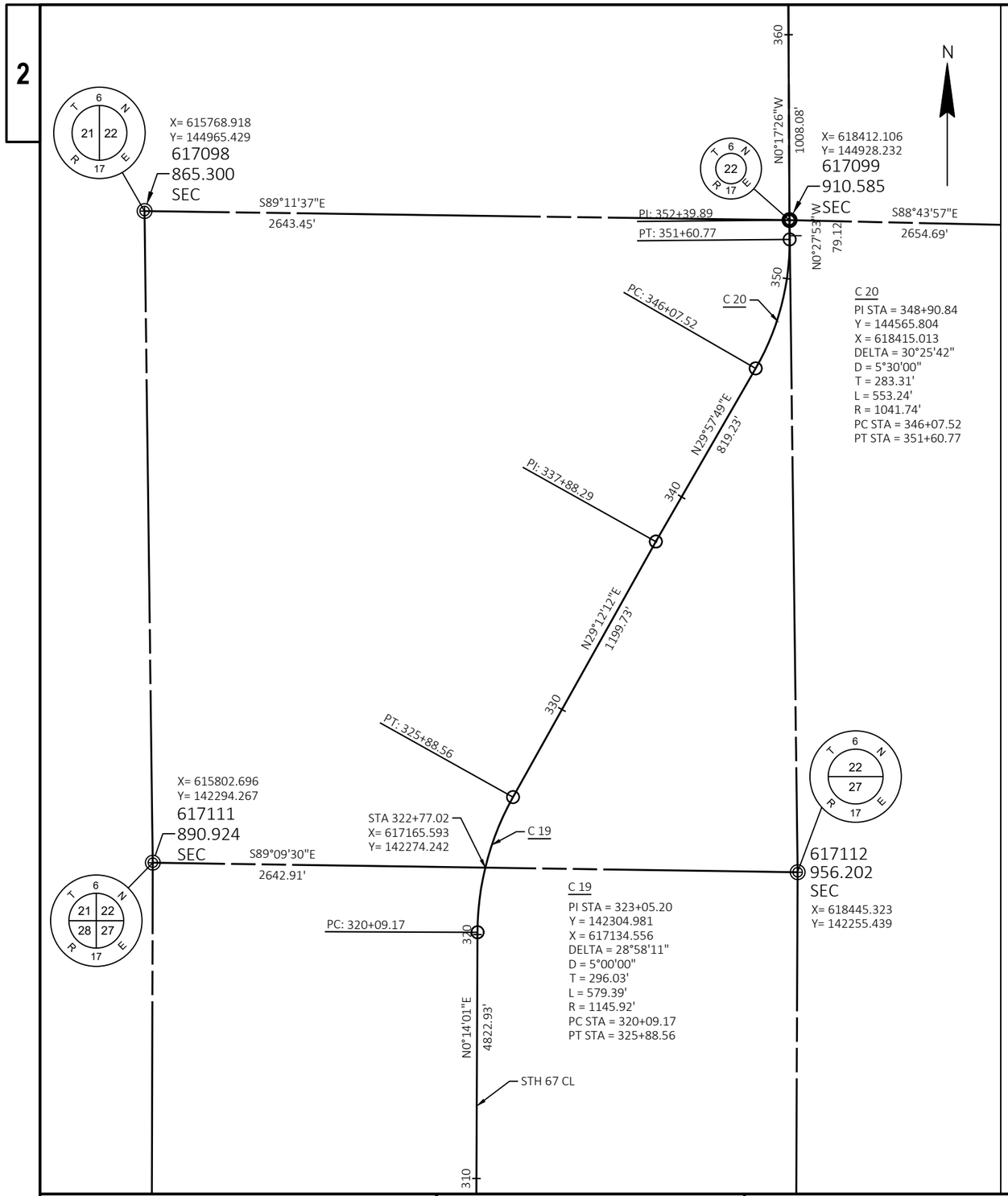
X= 615788.922
Y= 136987.778
617137
866.069
SEC

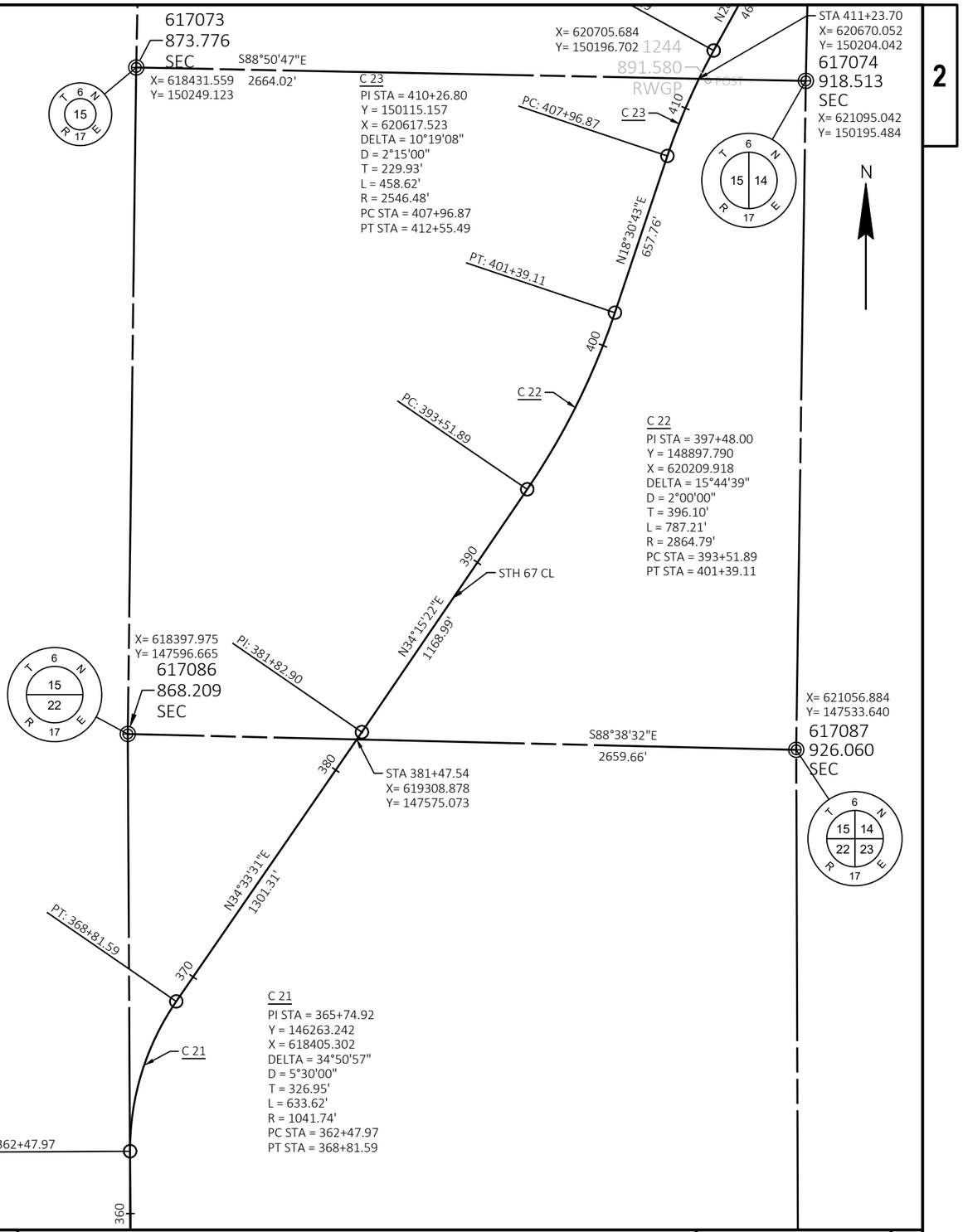
617138
918.119
SEC
X= 618428.977
Y= 136958.052

N0°24'31"E 2649.53'
N0°14'01"E 4822.93'
S89°34'25"E 2636.93'
S89°10'13"E 2638.98'
S89°21'18"E 2640.22'
316.36'
N85°06'15"W
N23°52'04"W 485.12'
N49°50'48"W 123.77'
N14°20'16"W 153.01'
N39°30'41"W 257.63'
N14°51'45"W 352.80'
N40°48'36"E 221.26'
N36°17'29"E 262.96'

PC: 260+73.35
PT: 259+49.58
PC: 254+30.00
PT: 249+44.88
PC: 231+95.27
PT: 228+78.90
PC: 223+73.43
PT: 221+80.42
PC: 216+76.94
PT: 214+19.31
PC: 211+45.44
PC: 204+01.95
PT: 207+92.64
PT: 201+80.69
PT: 199+17.72
PC: 195+79.88
PT: 271+86.24

STH 67 CL





PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	ALIGNMENT LAYOUT	SHEET 100	E

2

N

460

N2°02'36"E

2651.90'

450

STH 67 CL

X= 621148.589
Y= 152845.665
617061
880.470
SEC

440

S88°37'51"E

2661.86'

PI: 438+69.30

S88°22'37"E

2650.81'

T 6 N
10 11
15 14
R 17 E

430

N1°26'08"E

1540.32'

PT: 423+28.98

X= 621039.241
Y= 151061.763

1234
885.772
RWGP
© POST

420

PC: 417+20.20

C 24

N28°49'51"E

464.72'

PT: 412+55.49

1244
891.580

617074

C 24
PI STA = 420+30.53
Y = 150995.562
X = 621102.144
DELTA = 27°23'42"
D = 4°30'00"
T = 310.32'
L = 608.78'
R = 1273.24'
PC STA = 417+20.20
PT STA = 423+28.98

N8°51'27"E

3113.19'

PT: 499+38.66

500

C 25

PC: 495+82.63

C 25
PI STA = 497+60.88
Y = 158734.024
X = 621341.251
DELTA = 7°07'14"
D = 2°00'00"
T = 178.25'
L = 356.03'
R = 2864.79'
PC STA = 495+82.63
PT STA = 499+38.66

X= 621323.664
Y= 158151.013
617035
893.248
SEC

S89°30'29"E

2684.00'

S88°19'47"E

2688.99'

490

T 6 N
3 2
10 11
R 17 E

STH 67 CL

480

N1°44'12"E

3061.43'

470

T 6 N
10 11
R 17 E

X= 621243.124
Y= 155495.861
617048
888.705
SEC

S88°30'51"E

2679.53'

PI: 465+21.20

S88°14'02"E

2662.67'

N2°02'36"E

2651.90'

460

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	ALIGNMENT LAYOUT	SHEET 101	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\027200-AD.DWG
LAYOUT NAME - 05-ad

PLOT DATE : 6/3/2021 10:31 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

SEC

SEC

S89°24'01"E

2634.81'

N

X= 621531.337
Y= 163335.083
1102
POST
867.868
RWGP

N0°43'24"E

1969.55'

PT: 543+74.81

C 27

PI STA = 540+76.24
Y = 162924.801
X = 621475.892
DELTA = 27°24'22"
D = 4°30'00"
T = 310.45'
L = 609.02'
R = 1273.24'
PC STA = 537+65.79
PT STA = 543+74.81

C 27

540

N26°40'58"W

417.77'

PC: 537+65.79

C 26

PI STA = 532+04.87
Y = 162137.402
X = 621871.617
DELTA = 35°32'25"
D = 12°00'00"
T = 153.02'
L = 296.17'
R = 477.46'
PC STA = 530+51.85
PT STA = 533+48.02

C 26

PT: 533+48.02

530

PC: 530+51.85

X= 621365.341
Y= 160800.357
617022
897.812
SEC

520

S88°48'34"E

2679.35'

S88°16'55"E

2693.26'

STA 518+42.69
X= 621661.872
Y= 160791.462

T 6 N
R 17 E
3 2

STH 67 CL

510

N8°51'27"E

3113.19'

PT: 499+38.66

508

PI STA = 497+60.88

N

T 7 N
R 17 E
34 35

X= 621518.719
Y= 166326.958
717152
863.617
SEC

S88°55'05"E

2627.77'

S87°55'00"E

2637.27'

868.640'
X= 621481.183
Y= 165690.960
5000
CP FENO

868.040'
X= 621019.914
Y= 165349.135
3001
CP FENO

EP: 563+44.36
1090
POST
869.940
RWGP
X= 621322.658
Y= 165176.095

870.230'
X= 621636.740
Y= 165050.652
3000
CP FENO

560

STH 67 CL

X= 621416.909
Y= 163675.245
617009
865.493
SEC

X= 621485.458
Y= 163674.219
717165
867.214
SEC

550

S89°24'01"E

2634.81'

T 7 N R 17 E
34 35
T 6 N R 17 E
3 2

X= 621531.337
Y= 163335.083
1102
POST
867.868
RWGP

N0°43'24"E

1969.55'

PT: 543+74.81

2

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	ALIGNMENT LAYOUT	SHEET 102	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\027200-AD.DWG
LAYOUT NAME - 06-ad

PLOT DATE : 6/3/2021 10:31 AM

PLOT BY : SCHMIDT, JUDENE M

PLOT NAME :

PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

3120-01-61

Line	Item	Item Description	Unit	Total	Qty
0002	201.0120	Clearing	ID	15.000	15.000
0004	201.0220	Grubbing	ID	15.000	15.000
0006	204.0110	Removing Asphaltic Surface	SY	36.000	36.000
0008	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,170.000	1,170.000
0010	204.0120	Removing Asphaltic Surface Milling	SY	185,299.000	185,299.000
0012	204.0150	Removing Curb & Gutter	LF	155.000	155.000
0014	204.0165	Removing Guardrail	LF	355.000	355.000
0016	205.0100	Excavation Common	CY	15.000	15.000
0018	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 3120-01-61	LS	1.000	1.000
0020	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	11.000	11.000
0022	213.0100	Finishing Roadway (project) 01. 3120-01-61	EACH	1.000	1.000
0024	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,016.000	3,016.000
0026	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	35.000	35.000
0028	315.0200	Asphaltic Base Widening	TON	6.000	6.000
0030	416.0610	Drilled Tie Bars	EACH	20.000	20.000
0032	416.1010	Concrete Surface Drains	CY	1.200	1.200
0034	455.0605	Tack Coat	GAL	13,644.000	13,644.000
0036	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000
0038	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000
0040	460.2005	Incentive Density PWL HMA Pavement	DOL	19,210.000	19,210.000
0042	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	26,820.000	26,820.000
0044	460.2010	Incentive Air Voids HMA Pavement	DOL	25,190.000	25,190.000
0046	460.6224	HMA Pavement 4 MT 58-28 S	TON	25,186.000	25,186.000
0048	465.0105	Asphaltic Surface	TON	302.000	302.000
0050	465.0110	Asphaltic Surface Patching	TON	31.000	31.000
0052	465.0115	Asphaltic Surface Detours	TON	50.000	50.000
0054	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	56.000	56.000
0056	465.0315	Asphaltic Flumes	SY	22.000	22.000
0058	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	37,005.000	37,005.000
0060	524.0618	Apron Endwalls for Culvert Pipe Salvaged 18-Inch	EACH	1.000	1.000
0062	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	82.000	82.000
0064	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	61.000	61.000
0066	602.0415	Concrete Sidewalk 6-Inch	SF	408.000	408.000
0068	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	58.000	58.000
0070	606.0100	Riprap Light	CY	1.000	1.000
0072	611.0430	Reconstructing Inlets	EACH	1.000	1.000
0074	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	28.000	28.000
0076	614.0010	Barrier System Grading Shaping Finishing	EACH	6.000	6.000
0078	614.0370	Steel Plate Beam Guard Energy Absorbing Terminal	EACH	5.000	5.000
0080	614.0397	Guardrail Mow Strip Emulsified Asphalt	SY	153.000	153.000
0082	614.0400	Adjusting Steel Plate Beam Guard	LF	1,375.000	1,375.000
0084	614.0950	Replacing Guardrail Posts and Blocks	EACH	31.000	31.000
0086	614.0951	Replacing Guardrail Rail and Hardware	LF	1,463.000	1,463.000
0088	614.0952	Replacing Guardrail Reflectors	EACH	62.000	62.000
0090	614.2330	MGS Guardrail 3 K	LF	25.000	25.000
0092	614.2610	MGS Guardrail Terminal EAT	EACH	2.000	2.000
0094	618.0100	Maintenance And Repair of Haul Roads (project) 01. 3120-01-61	EACH	1.000	1.000
0096	619.1000	Mobilization	EACH	1.000	1.000
0098	625.0100	Topsoil	SY	199.000	199.000

3120-01-61

Line	Item	Item Description	Unit	Total	Qty
0100	628.1504	Silt Fence	LF	220.000	220.000
0102	628.1520	Silt Fence Maintenance	LF	23.000	23.000
0104	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0106	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0108	628.2006	Erosion Mat Urban Class I Type A	SY	199.000	199.000
0110	628.7015	Inlet Protection Type C	EACH	2.000	2.000
0112	628.7504	Temporary Ditch Checks	LF	208.000	208.000
0114	628.7555	Culvert Pipe Checks	EACH	15.000	15.000
0116	629.0210	Fertilizer Type B	CWT	0.014	0.014
0118	630.0120	Seeding Mixture No. 20	LB	1.000	1.000
0120	630.0500	Seed Water	MGAL	4.000	4.000
0122	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	39.000	39.000
0124	637.0620	Sign Flags Permanent Type II	EACH	30.000	30.000
0126	637.2210	Signs Type II Reflective H	SF	11.500	11.500
0128	637.2230	Signs Type II Reflective F	SF	247.250	247.250
0130	638.2102	Moving Signs Type II	EACH	13.000	13.000
0132	638.2602	Removing Signs Type II	EACH	6.000	6.000
0134	638.3000	Removing Small Sign Supports	EACH	15.000	15.000
0136	642.5401	Field Office Type D	EACH	1.000	1.000
0138	643.0300	Traffic Control Drums	DAY	14.000	14.000
0140	643.0420	Traffic Control Barricades Type III	DAY	2,215.000	2,215.000
0142	643.0705	Traffic Control Warning Lights Type A	DAY	4,394.000	4,394.000
0144	643.0900	Traffic Control Signs	DAY	13,035.000	13,035.000
0146	643.0920	Traffic Control Covering Signs Type II	EACH	13.000	13.000
0148	643.1000	Traffic Control Signs Fixed Message	SF	81.000	81.000
0150	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0152	643.5000	Traffic Control	EACH	1.000	1.000
0154	644.1410	Temporary Pedestrian Surface Asphalt	SF	852.000	852.000
0156	645.0130	Geotextile Type R	SY	3.000	3.000
0158	646.1020	Marking Line Epoxy 4-Inch	LF	161,195.000	161,195.000
0160	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	105,103.000	105,103.000
0162	646.3020	Marking Line Epoxy 8-Inch	LF	180.000	180.000
0164	646.6120	Marking Stop Line Epoxy 18-Inch	LF	609.000	609.000
0166	646.7120	Marking Diagonal Epoxy 12-Inch	LF	20.000	20.000
0168	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	66.000	66.000
0170	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	102.000	102.000
0172	646.9400	Marking Removal Plowable Raised Pavement Markers	EACH	254.000	254.000
0174	648.0100	Locating No-Passing Zones	MI	10.200	10.200
0176	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	66.000	66.000
0178	649.0770	Temporary Marking Raised Pavement Marker Type II	EACH	1,080.000	1,080.000
0180	650.8000	Construction Staking Resurfacing Reference	LF	53,640.000	53,640.000
0182	690.0150	Sawing Asphalt	LF	3,120.000	3,120.000
0184	690.0250	Sawing Concrete	LF	29.000	29.000
0186	740.0440	Incentive IRI Ride	DOL	40,650.000	40,650.000
0188	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	250.000	250.000
0190	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	400.000	400.000
0192	SPV.0060	Special 01. Section Corner Monuments	EACH	9.000	9.000
0194	SPV.0060	Special 02. Beacons System STH 67 SB prior to Drumlin Crossing	EACH	1.000	1.000
0196	SPV.0060	Special 03. Beacons System STH 67 NB prior to Drumlin Crossing	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0198	SPV.0060	Special 04. Beacons System STH 67 SB at Drumlin Crossing back to back	EACH	1.000	1.000
0200	SPV.0060	Special 05. Beacons System STH 67 NB at Drumlin Crossing back to back	EACH	1.000	1.000
0202	SPV.0060	Special 06. Cleaning Inlets	EACH	1.000	1.000
0204	SPV.0090	Special 01. Sawing Curb Head	LF	23.000	23.000
0206	SPV.0090	Special 02. Ditching and Shaping	LF	45.000	45.000
0208	SPV.0165	Special 01. Temporary Detectable Warning Field	SF	40.000	40.000
0210	SPV.0180	Special 01. Resin Binder High Friction Surface Treatment	SY	8,794.000	8,794.000
0212	SPV.0180	Special 02. Removing Distressed Pavement Milling	SY	2,522.000	2,522.000

CLEARING AND GRUBBING

LOCATION			201.0120 CLEARING ID	201.0220 GRUBBING ID
22+00	-	94+00	--	--
94+00	-	182+00	--	--
182+00	-	238+00	--	--
238+00	-	348+00	--	--
348+00	-	422+00	--	--
422+00	-	501+00	--	--
501+00	-	558+40	15	15
TOTALS			15	15

REMOVING ASPHALTIC SURFACE BUTT JOINTS

LOCATION			204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY
22+00	-	94+00	245
94+00	-	182+00	45
182+00	-	238+00	22
238+00	-	348+00	217
348+00	-	422+00	126
422+00	-	501+00	206
501+00	-	558+40	309
TOTAL			1,170

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REMOVING ASPHALTIC SURFACE MILLING

LOCATION			204.0120 REMOVING ASPHALTIC SURFACE MILLNG SY
22+00	-	94+00	23,541
94+00	-	182+00	27,563
182+00	-	238+00	18,264
238+00	-	303+00	22,785
303+00	-	348+00	15,599
348+00	-	422+00	26,099
422+00	-	501+00	29,940
501+00	-	558+40	21,508
TOTAL			185,299

REMOVALS AND SAWING

LOCATION			204.0110 REMOVING ASPHALTIC SURFACE SY	204.0150 REMOVING CURB & GUTTER LF	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
22+00	-	94+00	--	--	614	--
94+00	-	182+00	--	--	80	--
182+00	-	238+00	--	--	38	--
238+00	-	348+00	--	--	534	--
348+00	-	422+00	5	20	351	3
422+00	-	501+00	31	135	612	26
501+00	-	558+40	--	--	891	--
TOTALS			36	155	3,120	29

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

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EARTHWORK

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	COMMENT
DIVISION 1									
	538+67 - 538+97	GLACIAL DRUMLIN TRAIL	15	4	10	2	3	8	
DIVISION 1 SUBTOTAL			15	4	10	2	3	8	
GRAND TOTAL			15	4	10	2	3	8	
TOTAL COMMON EXC			15						

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.

(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 DIVIS

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

PREPARING FOUNDATION

LOCATION			211.0100 PREPARE FOUNDATION FOR ASPHALTIC PAVING LS	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	COMMENTS
22+00	-	94+00	--	5	EATS
94+00	-	182+00	--	1	DRIVEWAY
182+00	-	238+00	--	--	--
238+00	-	348+00	--	3	DRIVEWAYS
348+00	-	422+00	--	--	--
422+00	-	501+00	--	--	--
501+00	-	558+40	--	2	RUN 15
PROJECT 3120-01-61			1	--	--
TOTALS			1	11	

BASE AGGREGATE DENSE

LOCATION			305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
22+00	-	94+00	521	--
94+00	-	182+00	488	--
182+00	-	238+00	356	--
238+00	-	348+00	579	--
348+00	-	422+00	419	--
422+00	-	501+00	315	--
501+00	-	558+40	338	11
TOTALS			3,016	11

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

ASPHALT

LOCATION			315.0200 ASPHALTIC BASE WIDENING TONS	455.0605* TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28S TONS	465.0110** ASPHALTIC SURFACE PATCHING TON	465.0115 ASPHALTIC SURFACE DETOURS TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTANCES TONS	465.0315 ASPHALTIC FLUMES SY
22+00	-	94+00	5	1,724	2,860	4	--	--	--
94+00	-	182+00	--	2,001	3,303	1	--	21	--
182+00	-	238+00	--	1,322	2,191	1	--	--	22
238+00	-	303+00	--	1,650	2,741	5	--	18	--
303+00	-	348+00	--	1,138	2,363	--	--	17	--
348+00	-	422+00	--	1,893	3,934	3	--	--	--
422+00	-	501+00	--	2,172	4,522	6	--	--	--
501+00	-	558+40	1	1,572	3,272	7	--	--	--
UNDISTRIBUTED			--	--	--	6	50	--	--
TOTALS			6	13,471	25,186	31	50	56	22

*ADDITONAL QUANTITIES SHOWN ELSEWHERE
**ITEM TO BE USED FOR POT HOLE REPAIR AND RAMPING AT BUTT JOINTS AS DIRECTED BY ENGINEER

BASE PATCHING

LOCATION			455.0605* TACK COAT GAL	465.0105 ASPHALTIC SURFACE TONS	SPV.0180.02 REMOVING DISTRESSED PAVEMENT MILLING SY
22+00	-	94+00	19	37	310
94+00	-	182+00	24	41	345
182+00	-	238+00	21	37	307
238+00	-	303+00	--	--	--
303+00	-	348+00	2	3	27
348+00	-	422+00	4	7	57
422+00	-	501+00	14	24	197
501+00	-	558+40	--	--	--
UNDISTRIBUTED			90	153	1,279
TOTALS			173	302	2,522

*ADDITONAL QUANTITIES SHOWN ELSEWHERE

HMA PAVEMENT PERCENT WITHIN LIMITS (PWL)

PROJECT	MIX	460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS EACH	460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY EACH
3120-01-61	4 MT 58-28S	1	2
TOTAL		1	2

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

HMA QUALITY MANAGEMENT

STATION	TO	STATION	LOCATION	MIXTURE USE:	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR:	
									MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
22+00	-	94+00	2-12' DRIVING LANES	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	2304	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
22+00	-	94+00	SHOULDERS, SIDEROADS, AND DRIVEWAY APRONS	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	556	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
94+00	-	182+00	2-12' DRIVING LANES	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	2816	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
94+00	-	182+00	SHOULDERS, SIDEROADS, AND DRIVEWAY APRONS	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	487	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
94+00	-	182+00	DRIVEWAY	DRIVEWAY	BASE AGGREGATE	ASPHALTIC SURFACES DRIVEWAYS AND FIELD ENTRANCES	21	2"/4"	QMP AS PER SS 465	ACCEPTANCE BY ORDINARY COMPACTION
*182+00	-	*238+00	2-12' DRIVING LANES	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	1792	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
182+00	-	238+00	SHOULDERS, SIDEROADS, AND DRIVEWAY APRONS	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	399	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
238+00		303+00	2-12' DRIVING LANES	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	2080	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
238+00		303+00	SHOULDERS, SIDEROADS, AND DRIVEWAY APRONS	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	661	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
238+00		303+00	DRIVEWAY	DRIVEWAY	BASE AGGREGATE	ASPHALTIC SURFACES DRIVEWAYS AND FIELD ENTRANCES	18	4"	QMP AS PER SS 465	ACCEPTANCE BY ORDINARY COMPACTION
303+00	-	348+00	2-12' DRIVING LANES	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	1800	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
303+00	-	348+00	SHOULDERS, SIDEROADS, AND DRIVEWAY APRONS	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	563	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
303+00	-	348+00	DRIVEWAY	DRIVEWAY	BASE AGGREGATE	ASPHALTIC SURFACES DRIVEWAYS AND FIELD ENTRANCES	17	4"	QMP AS PER SS 465	ACCEPTANCE BY ORDINARY COMPACTION
348+00	-	422+00	2-12' DRIVING LANES	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	2960	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
348+00	-	422+00	SHOULDERS, SIDEROADS, AND DRIVEWAY APRONS	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	974	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
422+00	-	501+00	2-12' DRIVING LANES	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	3160	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
422+00	-	501+00	SHOULDERS, SIDEROADS, AND DRIVEWAY APRONS	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	1362	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
501+00	-	558+40	2-12' DRIVING LANES	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	2296	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
501+00	-	558+40	SHOULDERS, SIDEROADS, AND DRIVEWAY APRONS	UPPER LAYER	MILLED SURFACE	4 MT 58-28S	976	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE

*INITIAL PWL TEST STIP LOCATION

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL

LOCATION			465.0475 ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL LF
29+40	-	91+57	6217
95+57	-	108+41	1284
112+41	-	164+03	5162
168+03	-	179+23	1120
183+23	-	217+41	3416
221+41	-	237+15	1572
241+15	-	268+75	2760
270+75	-	282+16	1141
284+16	-	297+15	1299
301+15	-	307+51	636
311+51	-	347+22	3571
351+22	-	418+70	6709
425+14	-	436+71	1157
440+71	-	450+31	961
TOTAL			37,005

APRON ENDWALLS FOR CULVERT PIPE SALVAGED

LOCATION	524.0618 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 18-INCH EACH
523+65 RT	1
TOTAL	1

CONCRETE ITEMS

LOCATION			416.0610 DRILLED TIE BARS EACH	416.1010 CONCRETE SURFACE DRAINS CY	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH 30-INCH TYPE D LF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0505 DETECTABLE WARNING FIELD YELLOW SF	611.0430 RECONSTRUCTING INLETS SF
22+00	-	94+00	--	--	--	--	--	--	--
94+00	-	182+00	--	--	--	--	--	--	--
182+00	-	238+00	--	--	--	--	--	--	--
238+00	-	348+00	--	--	--	--	--	--	--
348+00	-	422+00	2	--	--	20	--	--	--
422+00	-	501+00	18	1.2	82	41	--	--	1
501+00	-	558+40	--	--	--	--	408	58	--
TOTALS			20	1.2	82	61	408	58	1

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

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BEAM GUARD

RUN	LOCATION			204.0165 REMOVING GUARDRAIL LF	614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING EACH	614.0370 STEEL PLATE BEAMGUARD ENERGY ABSORBING TERMINAL EACH	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY	614.0400 ADJUSTING STEEL PLATE BEAM GUARD LF	614.0950 REPLACING GUARDRAIL POSTS AND BLOCKS EACH	614.0951 REPLACE GUARDRAIL RAIL AND HARDWARE LF	614.0952 REPLACING GUARDRAIL REFLECTORS EACH	614.2330 MGS GUARDRAIL 3 K LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
RUN 1	61+29	-	65+75	100	2	2	61	--	10	225	4	--	--
RUN 2	68+17	-	71+10	50	1	1	37	100	--	37.5	3	--	--
RUN 3	75+89	-	84+11	50	1	1	26	275	8	212.5	8	--	--
RUN 4	87+44	-	92+15	50	1	1	13	150	2	50	4	--	--
RUN 5	88+79	-	93+08	--	--	--	--	--	--	100	4	--	--
RUN 6	197+66	-	201+01	--	--	--	--	275	--	50	3	--	--
RUN 7	203+27	-	215+08	--	--	--	--	325	4	225	9	--	--
RUN 8	220+48	-	228+99	--	--	--	--	250	3	437.5	8	--	--
RUN 9	332+28	-	335+69	--	--	--	--	--	--	--	3	--	--
RUN 10	346+36	-	348+80	--	--	--	--	--	--	50	3	--	--
RUN 11	393+49	-	397+54	--	--	--	--	--	--	25	4	--	--
RUN 12	414+57	-	417+58	--	--	--	--	--	--	--	3	--	--
RUN 13	443+53	-	446+57	--	--	--	--	--	4	50	3	--	--
RUN 14	444+35	-	447+38	--	--	--	--	--	--	--	3	--	--
RUN 15	523+39	-	524+70	105	1	--	16	--	--	--	--	25	2
TOTALS				355	6	5	153	1375	31	1463	62	25	2

BARRIER SYSTEM GRADING SHAPING FINISHING ITEMS

RUN	LOCATION			*208.0100 BORROW CY	*625.0100 TOPSOIL SY	*627.0200 MULCHING SY	*629.0210 FERTILIZER TYPE B CWT	*630.0120 SEEDING MIX NO. 20 LB	*630.0200 SEEDING TEMPORARY LB
RUN 1 SOUTH EAT	61+29	-	61+79	1	12	12	0.01	0.3	0.2
RUN 1 NORTH EAT	65+24	-	65+75	3	34	34	0.02	0.9	0.5
RUN 2 NORTH EAT	70+59	-	71+10	1	8	8	0.01	0.2	0.1
RUN 3 NORTH EAT	83+60	-	84+11	--	--	--	0.00	0.0	0.0
RUN 4 SOUTH EAT	87+44	-	87+95	6	16	16	0.01	0.4	0.2
RUN 15	523+39	-	524+70	44	216	216	0.14	5.8	2.9
TOTALS				54	287	287	0.18	7.7	3.9

*INCIDENTAL, FOR BIDDING PURPOSES ONLY

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

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LANDSCAPING

LOCATION	625.0100 TOPSOIL SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIX NO. 20 LB	630.0500 SEED WATER MGAL
22+00 - 94+00	--	--	--	--	--
94+00 - 182+00	--	--	--	--	--
182+00 - 238+00	--	--	--	--	--
238+00 - 348+00	--	--	--	--	--
348+00 - 422+00	4	4	0.000	0.1	0.1
422+00 - 501+00	28	28	0.002	0.2	0.6
501+00 - 558+40	126	126	0.009	0.8	2.8
UNDISTRIBUTED	40	40	0.003	0.3	0.9
TOTALS	199	199	0.014	1	4

EROSION CONTROL

RUN	LOCATION	606.0100 RIPRAP LIGHT CY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	645.0130 GEOTEXTILE FABRIC TYPE R SY
RUN 1 SOUTH EAT	61+29 - 61+79	--	61	6	--	--	--	--	6	--
RUN 1 NORTH EAT	65+27 - 65+78	--	57	6	--	--	--	20	--	--
RUN 2 NORTH EAT	70+59 - 71+10	--	58	6	--	--	--	--	--	--
RUN 3 NORTH EAT	83+60 - 84+11	--	--	--	--	--	--	--	--	--
RUN 4 SOUTH EAT	87+44 - 87+95	--	--	--	--	--	--	--	6	--
--	425+44 LT	--	--	--	--	--	1	--	--	--
RUN 15	537+47 - 524+73	1	--	--	--	--	--	146	--	3
--	UNDISTRIBUTED	--	44	5	1	1	1	42	3	--
TOTALS		1	220	23	1	1	2	208	15	3

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

3

TRAFFIC CONTROL

LOCATION	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	649.0770 TEMPORARY RAISED PAVMENT MARKERS TYPE II EACH
SOUTH APPROACH	--	122	244	1342	40.5	--	--
22+00 - 94+00	--	244	488	546	--	--	145
94+00 - 182+00	--	366	732	609	--	--	177
182+00 - 238+00	--	122	244	253	--	--	113
238+00 - 348+00	--	488	976	670	--	--	221
348+00 - 422+00	--	122	244	284	--	--	149
422+00 - 501+00	--	366	732	832	--	--	159
501+00 - 558+40	--	264	528	617	--	--	116
NORTH APPROACH	--	61	122	1,342	40.5	--	--
HFST CLOSURES	14	60	84	74	--	14	--
DETOUR	--	--	--	6,466	--	14	--
TOTALS	14	2,215	4,394	13,035	81	28	1,080

COVERING SIGNS

643.0920* TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	NUMBER OF CYCLES	NUMBER OF SIGNS
8	1	8
--		
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
--	--	--
5	1	5
--	--	--
--	--	--
13		

*ALL SIGNS TO BE COVERED FOR DURATION OF DETOUR

TRAFFIC CONTROL PROJECT

LOCATION	643.5000 TRAFFIC CONTROL EACH
3120-01-61	1
TOTAL	1

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

3

PAVEMENT MARKING

LOCATION		646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.1020 MARKING LINE EPOXY 4-INCH 3' LINE W/ 9' GAP (WHITE) LF	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE W/ 37.5' GAP (WHITE) LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) LF	646.3020 MARKING LINE EPOXY 8-INCH (WHITE) LF	646.6120 MARKING STOP LINE EPOXY 18-INCH (WHITE) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF
STH 67	22+00 - 94+00	--	25,314 *	--	50	14,544	--	--	--	--	--	--
STH 67	94+00 - 182+00	--	29,108 *	--	--	17,278	--	--	--	--	--	--
STH 67	182+00 - 238+00	--	21,176 *	--	--	11,068	--	--	--	--	--	--
STH 67	238+00 - 348+00	--	28,826 *	--	50	21,537	--	--	--	--	--	--
STH 67	348+00 - 422+00	--	22,560 *	42	--	14,526	--	--	--	--	--	--
STH 67	422+00 - 501+00	--	20,034 *	--	125	15,060	180	--	--	--	--	--
STH 67	501+00 - 558+40	--	10805	--	138	11,090	--	--	--	66	102	66
N MURPHY DR		--	58	--	--	--	--	34	--	--	--	--
WILTON RD - WEST		--	128	--	--	--	--	28	--	--	--	--
WILTON RD - EAST		--	56	--	--	--	--	24	--	--	--	--
CTH X		--	166	--	--	--	--	40	--	--	--	--
PIPER RD		--	80	--	--	--	--	24	--	--	--	--
CTH ZZ - EAST		64	128	--	--	--	--	43	--	--	--	--
CTH ZZ - WEST		150	98	--	--	--	--	20	--	--	--	--
CTH CI		177	204	--	--	--	--	30	20	--	--	--
CTH C		155	96	--	--	--	--	36	--	--	--	--
PINE VIEW DR		--	92	--	--	--	--	24	--	--	--	--
LAAK LN		--	90	--	--	--	--	27	--	--	--	--
CTH D - EAST		93	118	--	--	--	--	23	--	--	--	--
CTH D - WEST		63	68	--	--	--	--	25	--	--	--	--
SCUPPERNONG CT		--	80	--	--	--	--	27	--	--	--	--
MANOR HOUSE RD		--	66	--	--	--	--	31	--	--	--	--
BEVERLY LN		--	52	--	--	--	--	28	--	--	--	--
COUNTRYSIDE LN		--	110	--	--	--	--	31	--	--	--	--
PARRY RD		167	110	--	--	--	--	28	--	--	--	--
CTH Z		110	52	--	--	--	--	32	--	--	--	--
VENTURE DR		--	82	--	--	--	--	28	--	--	--	--
DRIVEWAY		--	54	--	--	--	--	26	--	--	--	--
	TOTALS	979	159,811	42	363	105,103	180	609	20	66	102	66

* QUANTITY INCLUDES SECOND APPLICATION OF CENTERLINE PAVEMENT MARKING TO BE APPLIED AFTER RUMBLE STRIP INSTALLATION

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

REMOVING RAISED PAVEMENT MARKERS

LOCATION			646.9400 REMOVING DELINEATORS AND MARKERS EACH
56+50	-	89+50	67
142+65	-	149+65	15
164+58	-	166+58	5
183+34	-	190+84	16
195+82	-	199+82	9
203+88	-	229+38	52
260+00	-	272+50	26
319+38	-	326+38	15
345+00	-	351+50	14
361+48	-	370+48	19
416+26	-	423+76	16
TOTAL			254

LOCATING NO PASSING ZONES

LOCATION			648.0100 LOCATING NO PASSING ZONES MI
22+00	-	558+40	10.2
TOTAL			10.2

STAKING

LOCATION			650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF
22+00	-	558+40	53,640
TOTAL			53,640

SECTION CORNER MONUMENTS

LOCATION	SPV.0060.01 SECTION CORNER MONUMENTS EACH
30+15	1
56+73.6	1
110+38.97	1
136+76.3	1
352+39.8	1
438+69.3	1
465+21.2	1
491+77.6	1
548+13.8	1
TOTAL	9

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

3

CLEANING INLETS

LOCATION	SPV.0060.06 CLEANING INLETS EACH
492+10 LT	1
TOTAL	1

SAWING CURB HEAD

LOCATION	SPV.0090.01 SAWING CURB HEAD LF
83+93 - 84+15	23
TOTAL	23

DITCHING AND SHAPING

LOCATION	SPV.0090.02 DITCHING AND SHAPING LF
492+05 LT	28
492+90 LT	17
TOTAL	45

TEMPORARY PEDESTRIAN SURFACE

LOCATION	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	SPV.0165.01 TEMPORARY DETECTABLE WARNING FIELD SF
538+00 - 538+75	24	28	852	40
TOTALS	24	28	852	40

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

RESIN BINDER HIGH FRICTION SURFACE TREATMENT

CATEGORY	LOCATION	SPV.0180.01 RESIN BINDER HIGH FRICTION SURFACE TREATMENT SY
0020	193+50 - 210+23	5,576
0020	221+43 - 231+09	3,218
TOTAL		8,794

ALL QUANTITIES CATEGORY 0010
UNLESS NOTED OTHERWISE

TYPE II PERMANENT SIGNING 3120-01-61

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x	x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1	W11-15A(2S)		30 X	30		6.250	2.000				1		
1a	W16-9P(2S)		24 X	12		2.000						1	
2	NOT USED												
3	W1-8(2S)		18 X	24		3.000							MOUNT ON BACK OF EXISTING POSTS - CLIPS INCIDENTAL
4	W1-8(2S)		18 X	24		3.000							MOUNT ON BACK OF EXISTING POSTS - CLIPS INCIDENTAL
5	W1-8(2S)		18 X	24		3.000							MOUNT ON BACK OF EXISTING POSTS - CLIPS INCIDENTAL
6	W1-8							1		1	1		4 FOOT MOUNTING HEIGHT
7	W1-8							1		1	1		4 FOOT MOUNTING HEIGHT
8	S3-1							1		1	1		
9	W1-8(2S)		18 X	24		3.000							MOUNT ON BACK OF EXISTING POSTS - CLIPS INCIDENTAL
10	W1-8(2S)		18 X	24		3.000							MOUNT ON BACK OF EXISTING POSTS - CLIPS INCIDENTAL
11	W5-52R							1		1	1		4 FOOT MOUNTING HEIGHT
12	W1-2L(2S)		36 X	36		9.000					1		
13	W1-6(2S)		48 X	24		8.000					1		
14	W1-8							1		1	1		4 FOOT MOUNTING HEIGHT
15	W1-7(2S)		48 X	24		8.000					1		
16							2.000						
17							2.000						
18	W1-7(2S)		48 X	24		8.000					1		
19	W1-7(2S)		48 X	24		8.000					1		
20	W1-6(2S)		48 X	24		8.000					1		
21	W1-6(2S)		48 X	24		8.000						20	ANGLE CLIPS INCIDENTAL TO SIGN TO ALIGN WITH ROADWAY
22	W1-6(2S)		48 X	24		8.000					1		
23	J1-1(2S)		24 X	39	6.500						1		
	M2-1		21 X	15									
	M1-5A	CTH ZZ	24 X	24									
24							2.000						
25							2.000						
26	R2-1(2S)	SPEED LIMIT 55	24 X	30	5.000						1		
27							2.000						
28							2.000						
29	W1-7(2S)		48 X	24		8.000					1		

SHEET: 1 OF 2

TYPE II PERMANENT SIGNING 3120-01-61

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
30	W1-8(2S)		18	X	24		3.000							MOUNT ON BACK OF EXISTING POST - CLIPS INCIDENTAL
31	W1-8(2S)		18	X	24		3.000							MOUNT ON BACK OF EXISTING POST - CLIPS INCIDENTAL
32	W1-8(2S)		18	X	24		3.000							MOUNT ON BACK OF EXISTING POST - CLIPS INCIDENTAL
33	W1-8(2S)		18	X	24		3.000							MOUNT ON BACK OF EXISTING POST - CLIPS INCIDENTAL
34	W1-8(2S)		18	X	24		3.000							MOUNT ON BACK OF EXISTING POST - CLIPS INCIDENTAL
35	W1-8(2S)		18	X	24		3.000							MOUNT ON BACK OF EXISTING POST - CLIPS INCIDENTAL
36	W1-2L(2S)		30	X	30		6.250					1		
36A	W13-1(2S)	50 MPH	18	X	18		2.250						36	
37	W1-6(2S)		48	X	24		8.000					1		
38	W1-6(2S)		48	X	24		8.000						37	CLIPS INCIDENTAL TO ALIGN SIGN WITH ROADWAY
39	W1-6(2S)		48	X	24		8.000					1		
40	J2-1								1		1	1		BLOCKED BY TREES
41	W4-4C(2S)		24	X	12		2.000	2.000						MOUNT UNDER EXISTING STOP SIGN
42	W4-4C(2S)		24	X	12			2.000						MOUNT UNDER EXISTING STOP SIGN
43	W1-7(2S)		48	X	24		8.000					1		
44	W5-52R								1		1	1		4 FOOT MOUNTING HEIGHT
45	W1-1L								1		1	1		SIGN MOUNTED TO LOW
46	W11-15A(2S)		30	X	30		6.250					1		SEE BEACON MISC QTYS FOR BEACON
46A	W16-9P(2S)		24	X	12		2.000						46	
47	W11-15A(2S)		30	X	30		6.250					1		SEE BEACON MISC QTYS FOR BEACON
47A	W16-9P(2S)		24	X	12		2.000						47	
48	W1-7(2S)		48	X	24		8.000					1		
49	W11-15A(2S)		30	X	30		6.250	2.000				1		SHEET 11
49A	W16-9P(2S)		24	X	12		2.000						49	SHEET 11
50	W11-15A(2S)		30	X	30		6.250	2.000				1		SHEET 12
50A	W16-7L(2S)		24	X	12		2.000						50	SHEET 12
51	W11-15A(2S)		30	X	30		6.250	2.000				1		SHEET 12
51A	W16-7L(2S)		24	X	12		2.000						51	SHEET 12
52	W11-15A(2S)		30	X	30		6.250	2.000				1		SHEET 12
52A	W16-7L(2S)		24	X	12		2.000						52	SHEET 12
53	W11-15A(2S)		30	X	30		6.250	2.000				1		SHEET 3 WITH PERMANENT FLAGS
53A	W16-9P(2S)		24	X	12		2.000						53	SHEET 3
54	W11-15A(2S)		30	X	30		6.250	2.000				1		SHEET 3 WITH PERMANENT FLAGS
54A	W16-9P(2S)		24	X	12		2.000						54	SHEET 3
55	W11-15A(2S)		30	X	30		6.250			1	1	1		SHEET 37. SEE BEACON QTYS FOR BEACON
55A	W16-7L(2S)		24	X	12		2.000						55	
56	W11-15A(2S)		30	X	30		6.250			1	1	1		SHEET 37. SEE BEACON QTYS FOR BEACON
56A	W16-7L(2S)		24	X	12		2.000						56	
		UNDISTRIBUTED							5	4	5	5		
		TOTALS				11.500	247.250	30.000	13	6	15	39		

SHEET: 2 OF 2

Beacons - MISC QUANTITIES						3120-01-61 sth 67	
LOCATION		Flashing Beacon system	Flashing Beacon system	Flashing Beacon system	Flashing Beacon system		
		STH 67 SB prior to Drumlin Crossing	STH 67 NB prior to Drumlin Crossing	STH 67 SB at Drumlin Crossing back to back	STH 67 NB at Drumlin Crossing back to back		
		EACH	EACH	EACH	EACH		
		SPV.0060.02	SPV.0060.03	SPV.0060.04	SPV.0060.05		
STH 67 SB prior to Drumlin Crossing		1					
STH 67 NB prior to Drumlin Crossing			1				
STH 67 SB at Drumlin Crossing				1			
STH 67 NB at Drumlin Crossing					1		
TOTAL		1	1	1	1		

see signing plan for locations

SHEET: 1 OF 1

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	MISCELLANEOUS QUANTITIES – FLASHING BEACONS	SHEET: 120	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\3120-01-61\030201_MQ.pptx PLOT DATE : 10/1/2021 PLOT BY : DOTTAH PLOT NAME : 030201_MQ.pdf PLOT SCALE : 1:1



PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 121 E

N MURPHY DR

RUINS

N

LIMITS OF CONSTRUCTION
50' LT OF CENTERLINE
BUTT JOINT REQUIRED

PI: 30+15.00

R/W

R/W

5

5

25

30

35

40

STH 67

SIGN

SIGN

R/W

R/W

SECTION CORNER 517086
STA 30+15, 0' RT
DO NOT DISTURB SECTION CORNER
TO BE MILLED AROUND AND PAVING
RING PLACED PRIOR TO PAVING.

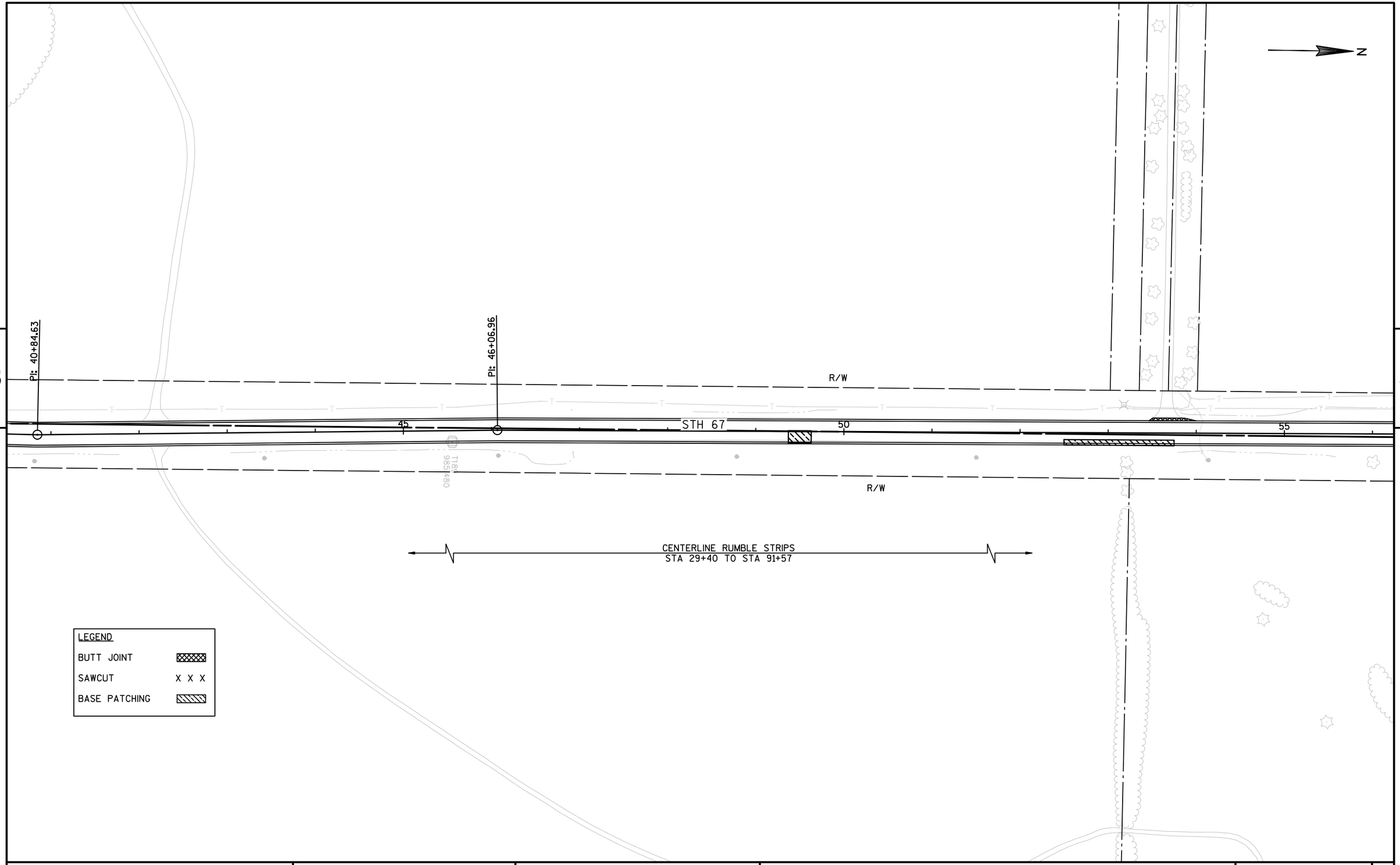
BEGIN CENTERLINE RUMBLE STRIPS
STA 29+40

SEPV SEPC

LEGEND

BUTT JOINT	
SAWCUT	X X X
BASE PATCHING	

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 122 E



5 5

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 123 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050203

PLOT DATE : 10/20/2021 9:11 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

LEGEND

BUTT JOINT

SAWCUT X X X

BASE PATCHING

N

R/W

STH 67

65

60

70

PC: 57+75.83

PT: 60+56.74

PC: 62+03.77

PI: 64+75.90

PT: 67+27.93

PC: 68+68.91

PT: 71+28.76

PI: 59+17.68

PI: 69+99.24

BEAMGUARD RUN 2
EAT REPLACEMENT
SEE DETAILS

BEAMGUARD RUN 1
NORTH EAT REPLACEMENT
SEE DETAILS

BEAMGUARD RUN 1
SOUTH EAT REPLACEMENT
SEE DETAILS

CENTERLINE RUMBLE STRIPS
STA 29+40 TO STA 91+57

SECTION CORNER 517073
STA 56+73.6, 3.75' RT
DO NOT DISTURB SECTION CORNER
TO BE MILLED AROUND AND PAVING
RING PLACED PRIOR TO PAVING.

RUINS

POOL

WALLS

FLAG

FOUND

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 124 E

LEGEND

BUTT JOINT

SAWCUT X X X

BASE PATCHING

N

PC: 75+00.19

PI: 76+63.15

PT: 78+25.39

PC: 80+28.45

PT: 83+98.31

PC: 85+24.53

PI: 88+69.26

BEAMGUARD RUN 3
EAT REPLACEMENT
SEE DETAILS

BEAMGUARD RUN 4
EAT REPLACEMENT
SEE DETAILS

R/W

STH 67

80

RIPRAP

FLAG

T185.3
961.240

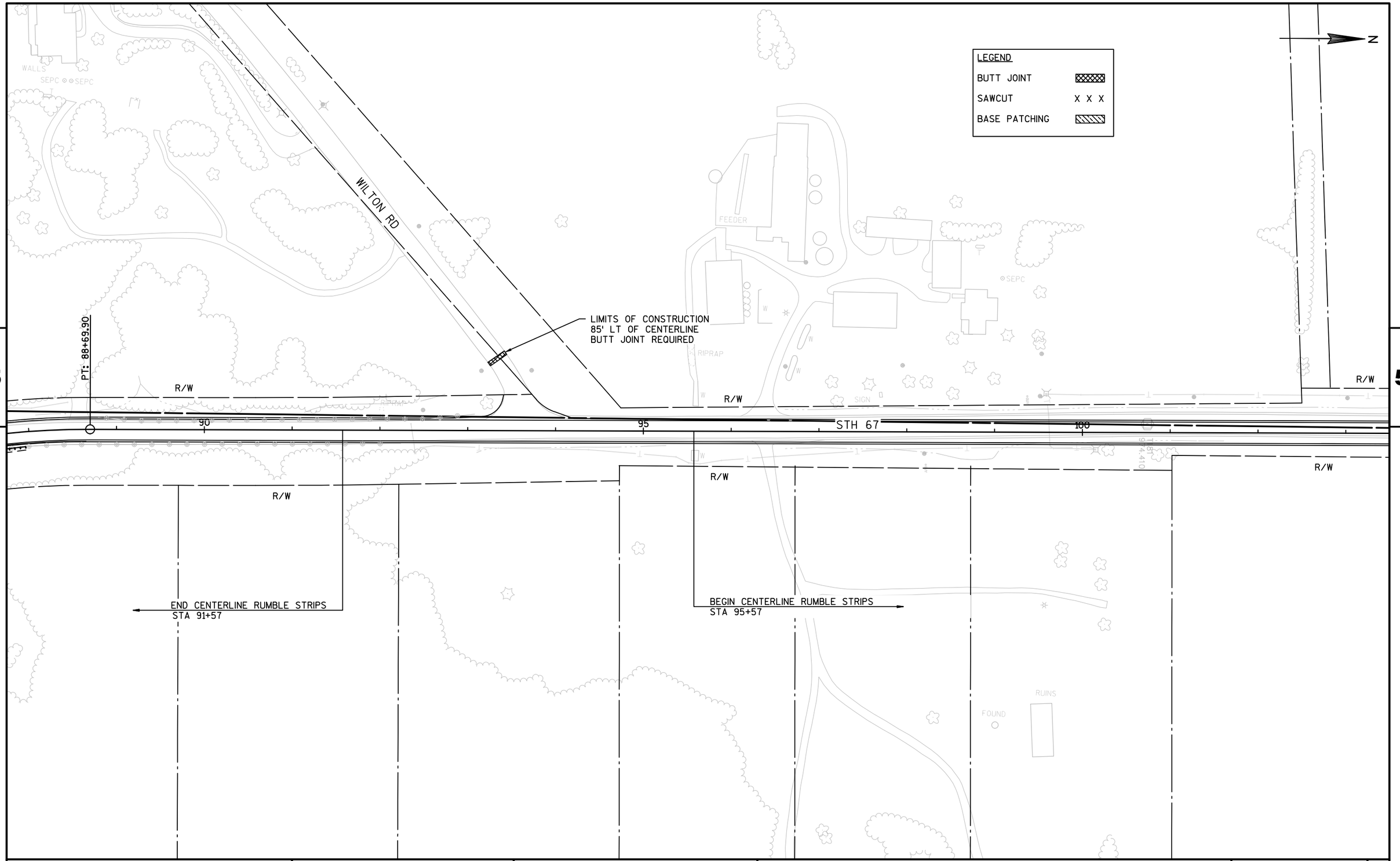
PI: 82+15.20

CENTERLINE RUMBLE STRIPS
STA 29+40 TO STA 91+57

5

5

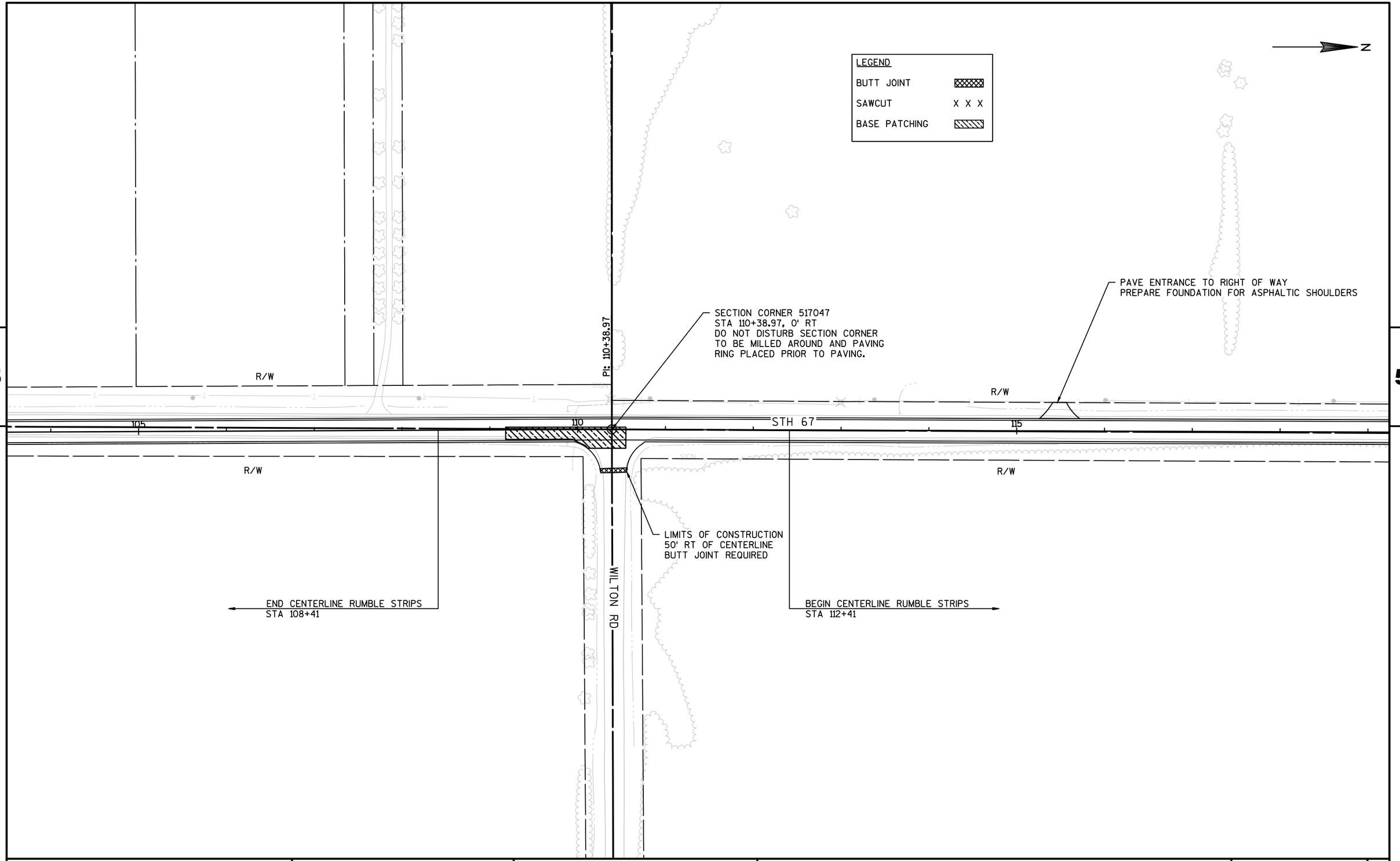
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 125 E



PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 126 E

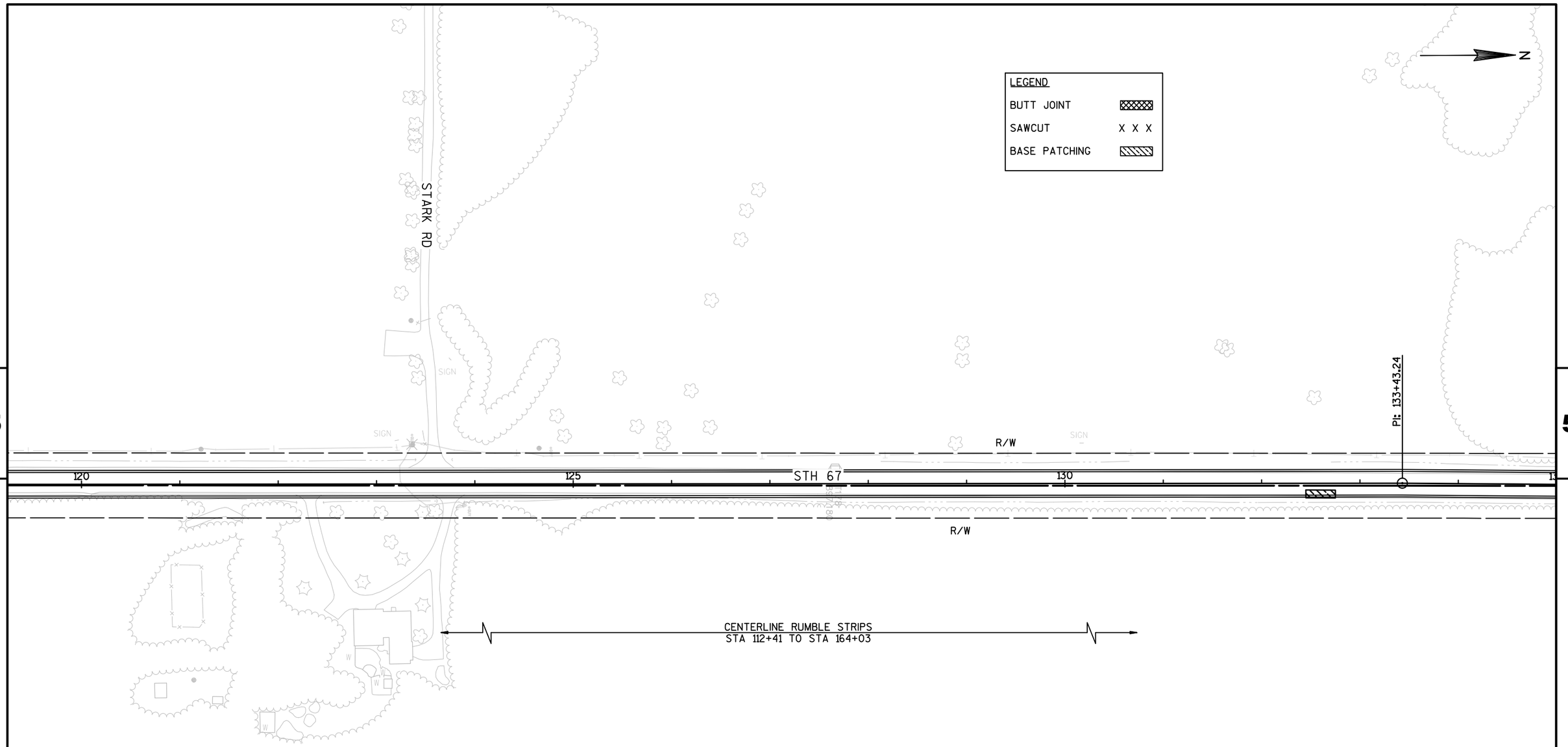
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LAYOUT NAME - 050201-PN - 050206

PLOT DATE : 10/20/2021 9:14 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT



5 5

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 127 E



5

5

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 128 E

5

N

FOOTBRIDGE

SECTION CORNER 517034
STA 136+76.3, 0' RT
DO NOT DISTURB SECTION CORNER
TO BE MILLED AROUND AND PAVING
RING PLACED PRIOR TO PAVING.

PC: 142+69.24

PI: 146+17.66

MILL AND PAVE ENTRANCE
TO RIGHT OF WAY (2")

PT: 149+47.62

R/W

R/W

135

140

145

150

STH 67

CENTERLINE RUMBLE STRIPS
STA 112+41 TO STA 164+03

LEGEND

BUTT JOINT	
SAWCUT	X X X
BASE PATCHING	

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 129 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050209

PLOT DATE : 10/20/2021 9:17 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

LEGEND

BUTT JOINT

SAWCUT X X X

BASE PATCHING

N

5

5

R/W

155

STH 67

160

165

PC: 165+31.22

1175
869.280

1173
835.680

1172
816.760

R/W

END CENTERLINE RUMBLE STRIPS
STA 164+03

LIMITS OF CONSTRUCTION
120' RT OF CENTERLINE
BUTT JOINT REQUIRED

CTH X

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 130 E

LEGEND

BUTT JOINT

SAWCUT X X X

BASE PATCHING

N

5

5

PT: 169+21.85

PI: 173+67.01

R/W

170

175

STH 67

180

R/W

PI: 167+26.84

BEGIN CENTERLINE RUMBLE STRIPS
STA 168+03

END CENTERLINE RUMBLE STRIPS
STA 179+23

LIMITS OF CONSTRUCTION
45' RT OF CENTERLINE
BUTT JOINT REQUIRED

PIPER RD

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 131 E

LEGEND

BUTT JOINT

SAWCUT X X X

BASE PATCHING

N

PC: 183+83.48

185

STH 67

PT: 188+67.38

PC: 189+32.11

190

PC: 195+79.88

PI: 197+59.10

195

R/W

PT: 193+08.94

R/W

R/W

PI: 186+27.21

BEGIN CENTERLINE RUMBLE STRIPS
STA 183+23

PI: 191+22.81

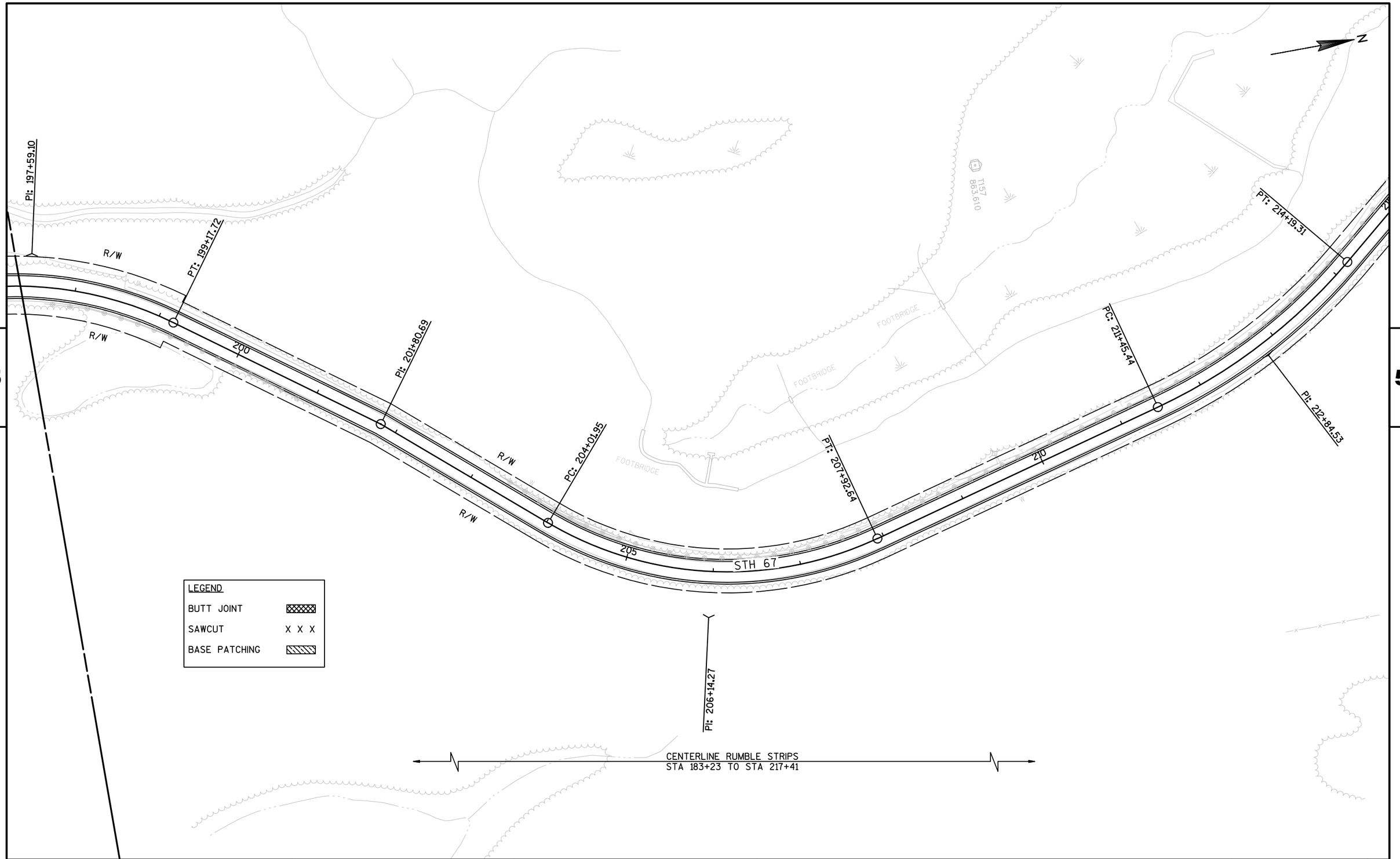
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5

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 132 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050212

PLOT DATE : 10/20/2021 9:20 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT



5

5

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 133 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050213

PLOT DATE : 10/20/2021 9:21 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

5

5

FOOTBRIDGE

FOOTBRIDGE

N

PT: 214+19.31

PC: 216+76.94

PI: 219+32.81

PT: 221+80.42

PC: 223+73.43

PT: 228+76.90

R/W

215

220

225

230

R/W

R/W

STH 67

ASPHALTIC FLUME
SEE CONSTRUCTION DETAIL

END CENTERLINE RUMBLE STRIPS
STA 217+41

LIMITS OF CONSTRUCTION
90' RT OF CENTERLINE
BUTT JOINT REQUIRED

BEGIN CENTERLINE RUMBLE STRIPS
STA 221+41

CTH ZZ

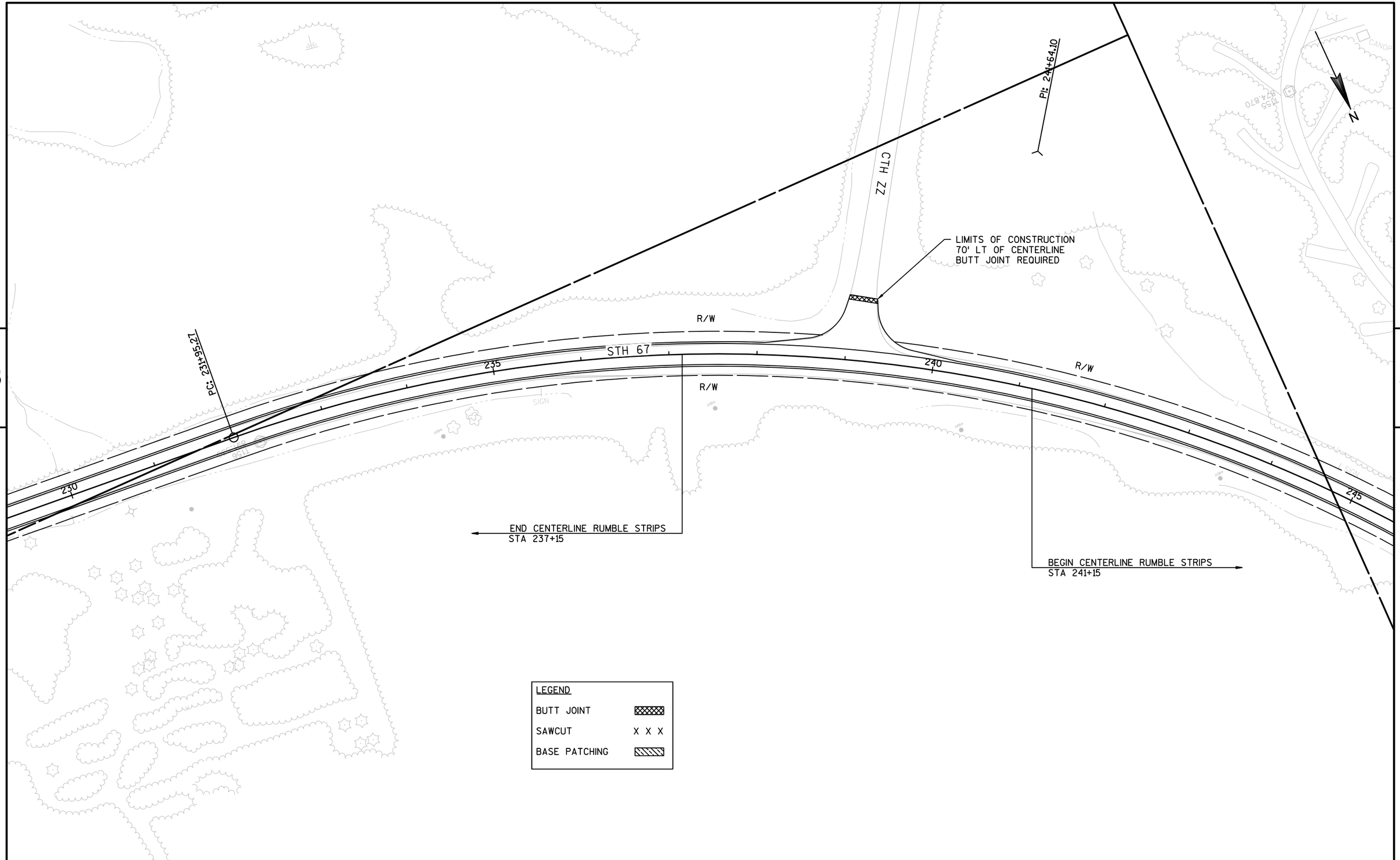
PI: 226+64.09

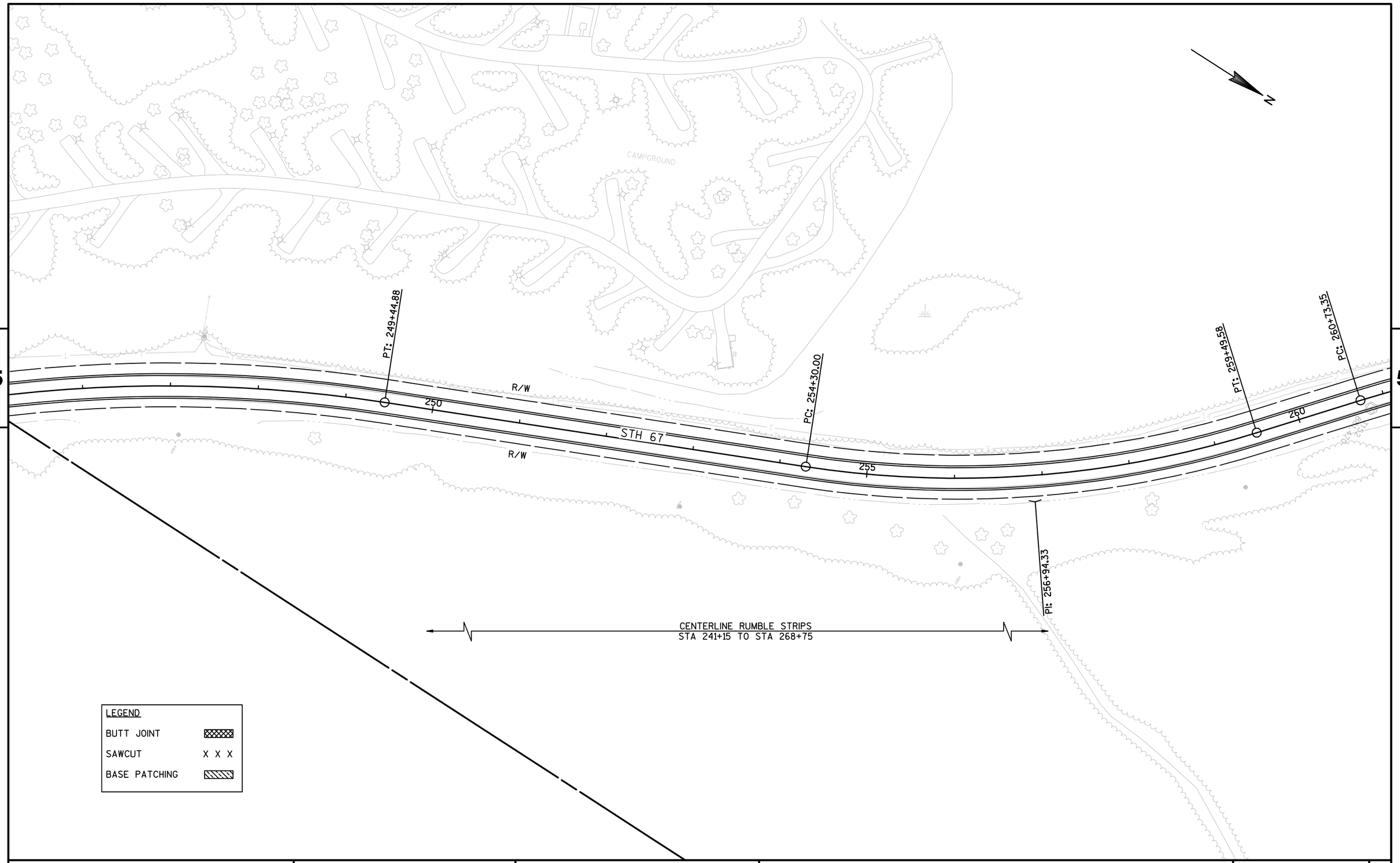
LEGEND

BUTT JOINT	
SAWCUT	X X X
BASE PATCHING	

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 134 E

5


PI: 24+64.10
CTH ZZ
LIMITS OF CONSTRUCTION
70' LT OF CENTERLINE
BUTT JOINT REQUIRED
R/W
STH 67
235
240
R/W
R/W
PC: 23+95.27
230
245
END CENTERLINE RUMBLE STRIPS
STA 237+15
BEGIN CENTERLINE RUMBLE STRIPS
STA 241+15
N
LEGEND
BUTT JOINT
SAWCUT X X X
BASE PATCHING



5

5

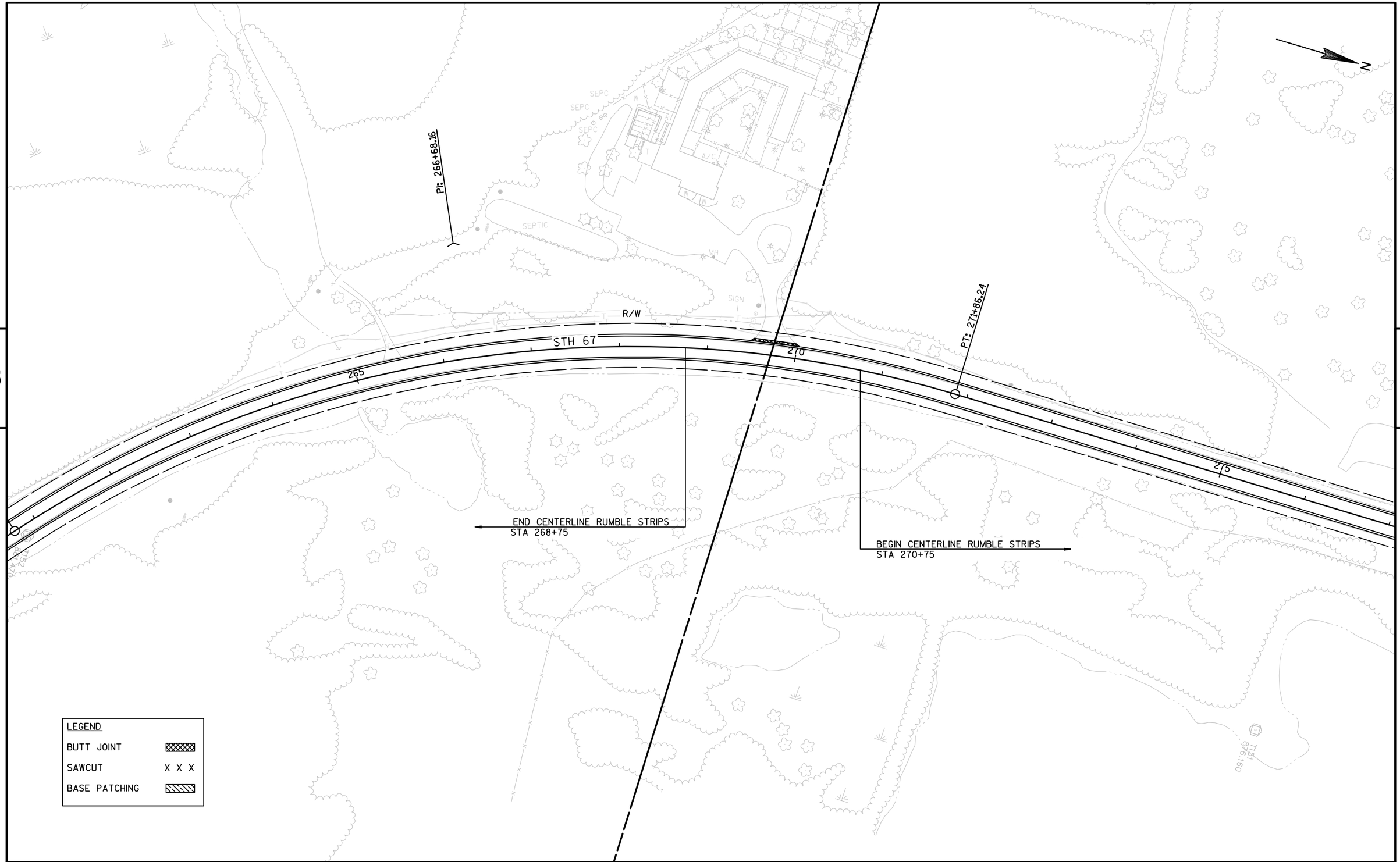
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 136 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050216

PLOT DATE : 10/20/2021 9:24 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

5



PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 137 E

N

PAVE ENTRANCE TO RIGHT OF WAY
PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

R/W

280

285

STH 67

290

R/W

SIGN

END CENTERLINE RUMBLE STRIPS
STA 282+16

BEGIN CENTERLINE RUMBLE STRIPS
STA 284+16

LEGEND

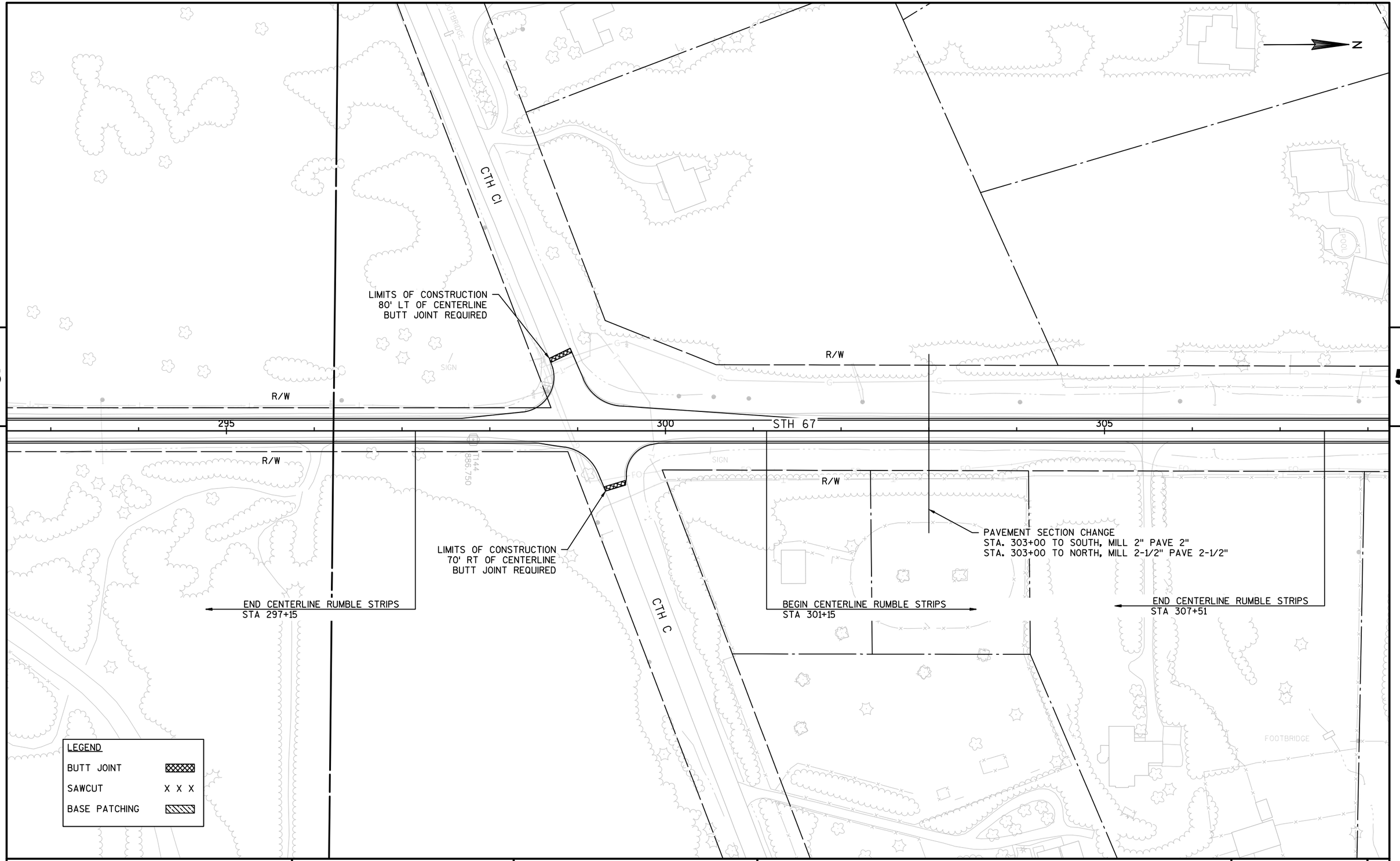
BUTT JOINT	
SAWCUT	X X X
BASE PATCHING	

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 138 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050218

PLOT DATE : 10/20/2021 9:26 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 139 E

PINE VIEW DR

LIMITS OF CONSTRUCTION
75' LT OF CENTERLINE
BUTT JOINT REQUIRED

PAVE ENTRANCE TO RIGHT OF WAY
PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

PC: 320+09.17

PI: 323+05.20

STH 67

R/W

310

315

320

BEGIN CENTERLINE RUMBLE STRIPS
STA 311+51

LEGEND

BUTT JOINT	
SAWCUT	X X X
BASE PATCHING	

5

5

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 140 E

5

5

PT: 325+88.56

PT: 337+88.29

SIGN

WALLS

QUARRY

R/W

R/W

R/W

R/W

R/W

325

330

335

STH 67

CENTERLINE RUMBLE STRIPS
STA 311+51 TO STA 347+22

LEGEND

BUTT JOINT	
SAWCUT	X X X
BASE PATCHING	

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 141 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050221

PLOT DATE : 10/20/2021 9:29 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

BUTT JOINT

SAWCUT X X X

BASE PATCHING

N

LIMITS OF CONSTRUCTION
70' LT OF CENTERLINE
BUTT JOINT REQUIRED

PC: 346+07.52

PI: 348+90.84

PT: 351+60.77

PI: 352+39.89

SECTION CORNER 617099
STA 352+39.8, 0' RT
DO NOT DISTURB SECTION CORNER
TO BE MILLED AROUND AND PAVING
RING PLACED PRIOR TO PAVING.

END CENTERLINE RUMBLE STRIPS
STA 347+22

BEGIN CENTERLINE RUMBLE STRIPS
STA 351+22

STH 67

LAAK LN

R/W

340 345 350 355

GOLF GREEN

GOLF COURSE

WALLS

SEPTIC

POOL

SIGN

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 142 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050222

PLOT DATE : 10/20/2021 9:30 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

5

N

GOLF GREEN

GOLF COURSE

GOLF COURSE

PC: 362+47.97

PI: 365+74.92

PT: 368+81.59

STH 67

R/W

360

365

370

R/W

R/W

R/W

R/W

CENTERLINE RUMBLE STRIPS
STA 351+22 TO STA 418+70

LEGEND

BUTT JOINT	
SAWCUT	X X X
BASE PATCHING	

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 143 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050223

PLOT DATE : 10/20/2021 9:31 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

5

5

ORCHARD

TANKS

N

PI: 381+82.90

R/W

STH 67

375

380

385

R/W

CENTERLINE RUMBLE STRIPS
STA 351+22 TO STA 418+70

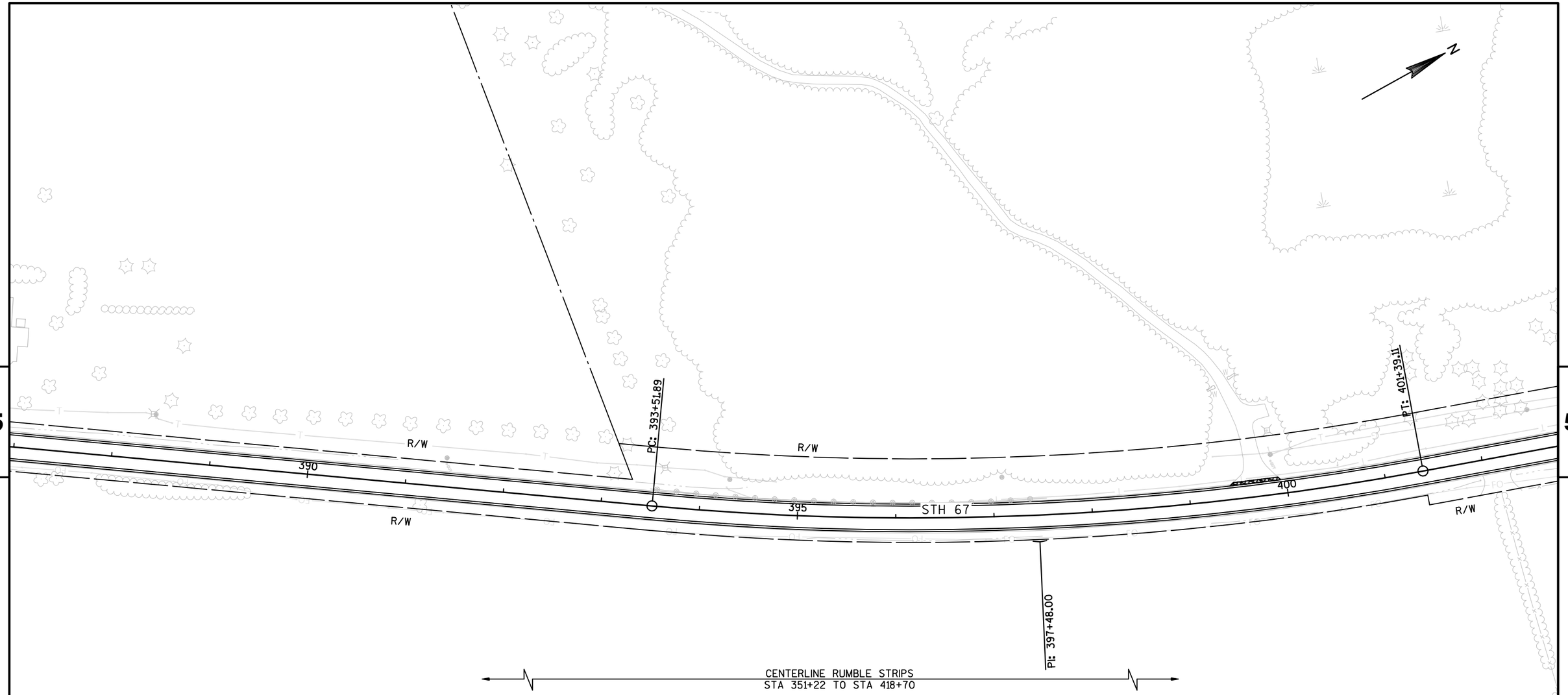
LEGEND

BUTT JOINT	
SAWCUT	X X X
BASE PATCHING	

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 144 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050224

PLOT DATE : 10/20/2021 9:33 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT



5

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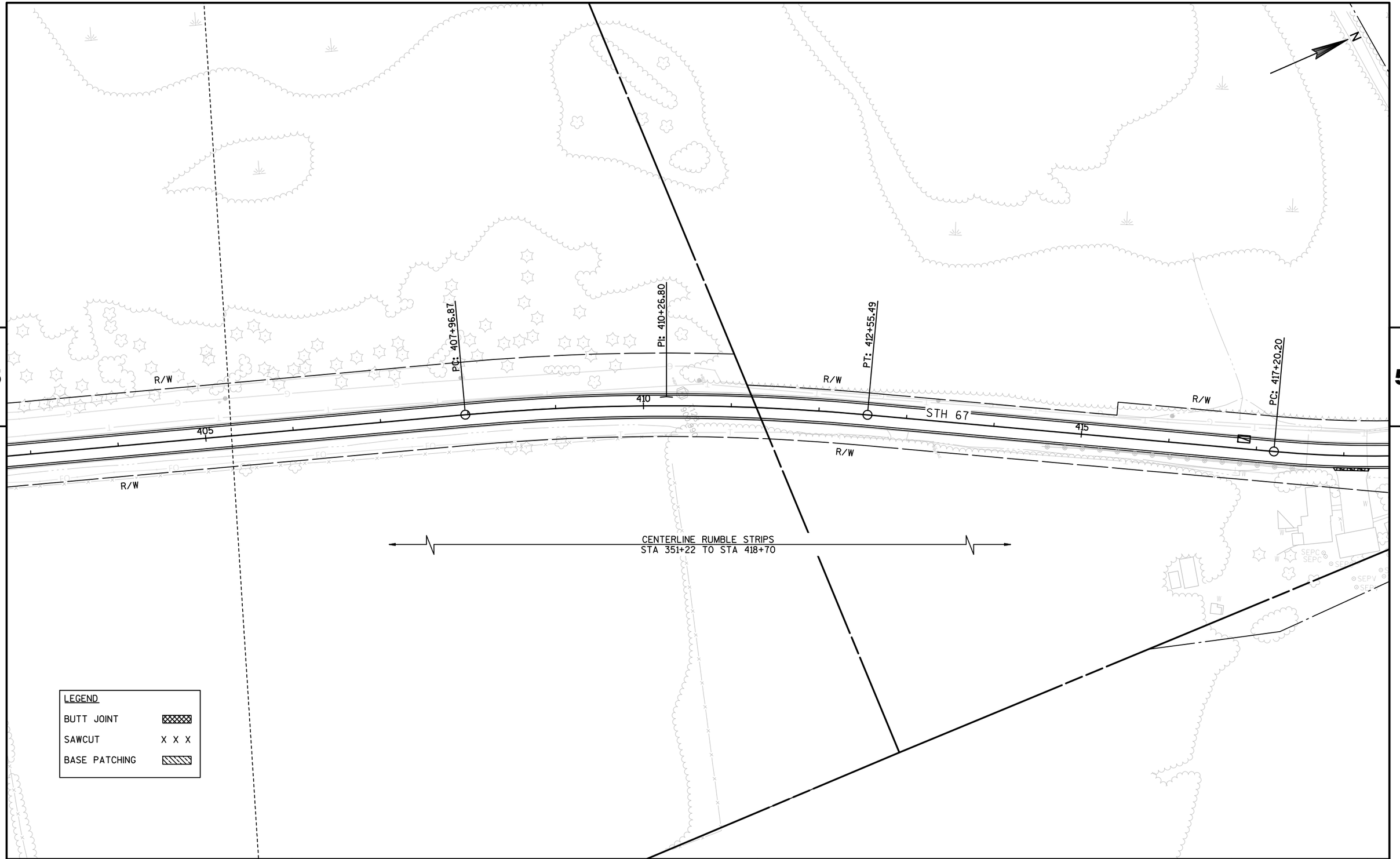
LEGEND

BUTT JOINT	
SAWCUT	X X X
BASE PATCHING	

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 145 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050225

PLOT DATE : 10/20/2021 9:34 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT



5

5

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 146 E

N

REMOVE AND REPLACE
20-FT OF CURB AND GUTTER

RECONSTRUCT
INLET

PT: 423+28.98

PI: 420+30.53

LIMITS OF CONSTRUCTION
95' RT OF CENTERLINE
BUTT JOINT REQUIRED

END CENTERLINE RUMBLE STRIPS
STA 418+70

BEGIN CENTERLINE RUMBLE STRIPS
STA 425+14

STH 67

CTH D

R/W

WALLS

SLAB

PLAYGROUND

FLAG

SEPC

SIGN

ATHLETIC FIELD

CEMETERY

420

425

430

440

LEGEND

BUTT JOINT

SAWCUT X X X

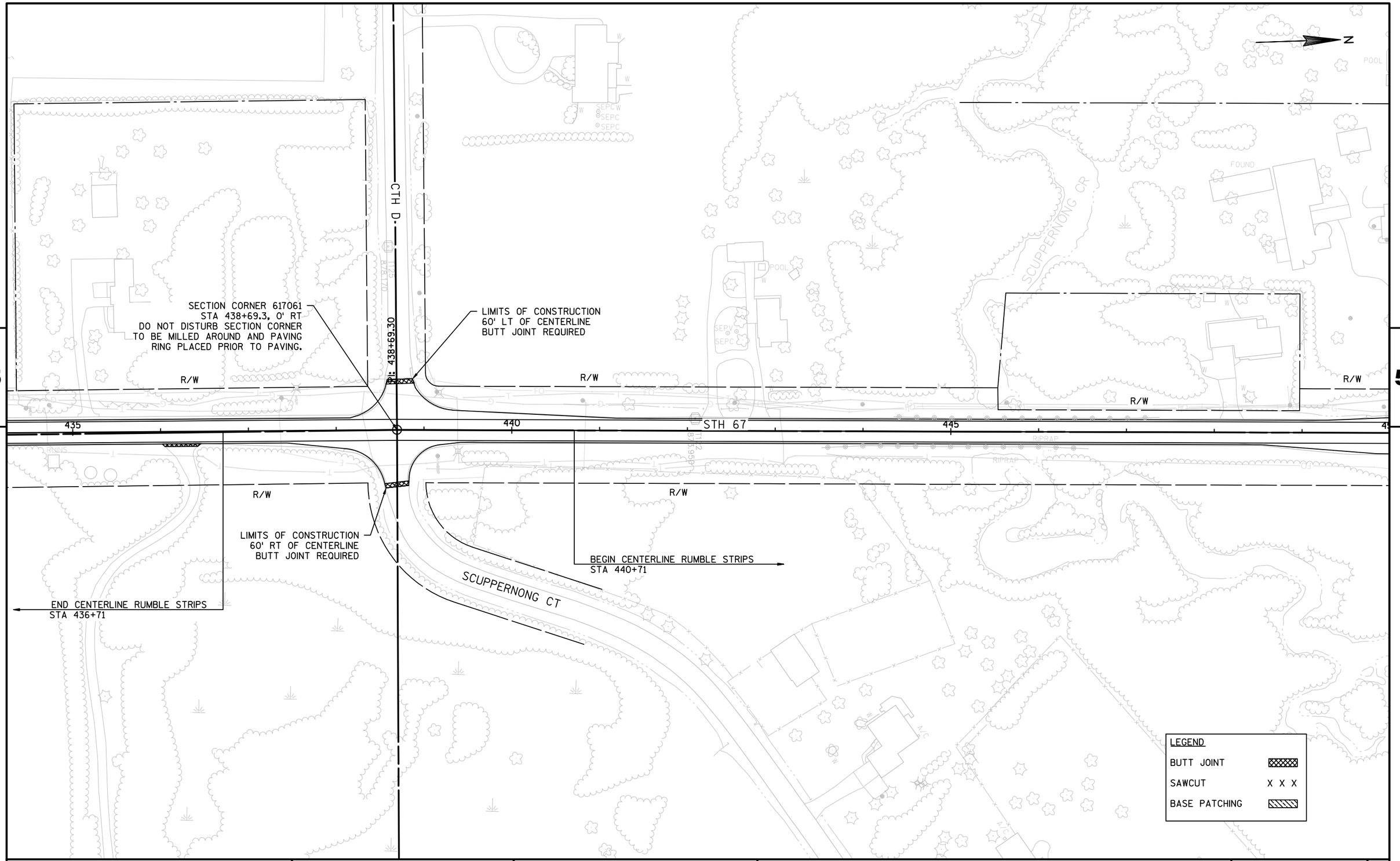
BASE PATCHING

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 147 E

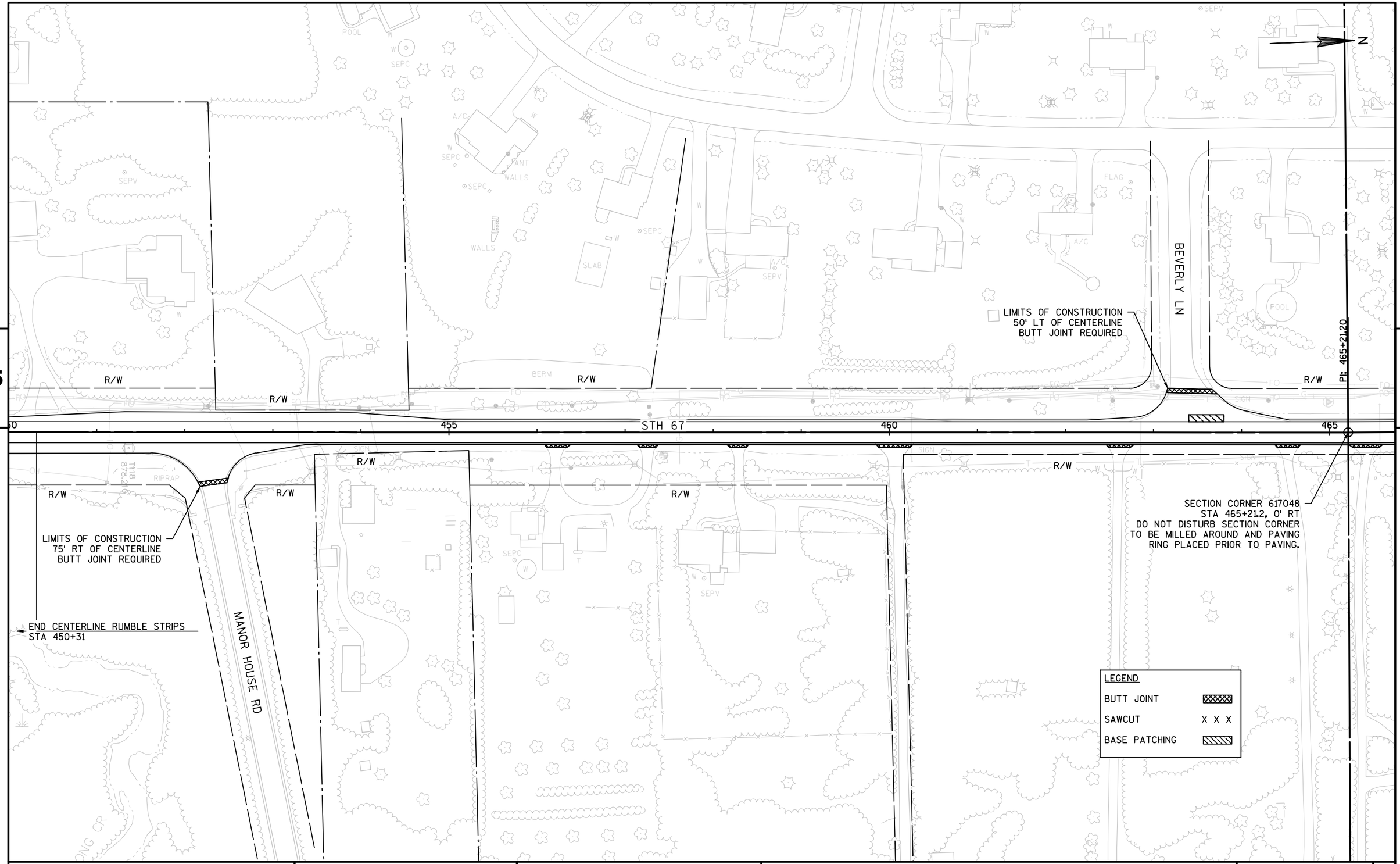
FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050227

PLOT DATE : 10/20/2021 9:36 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

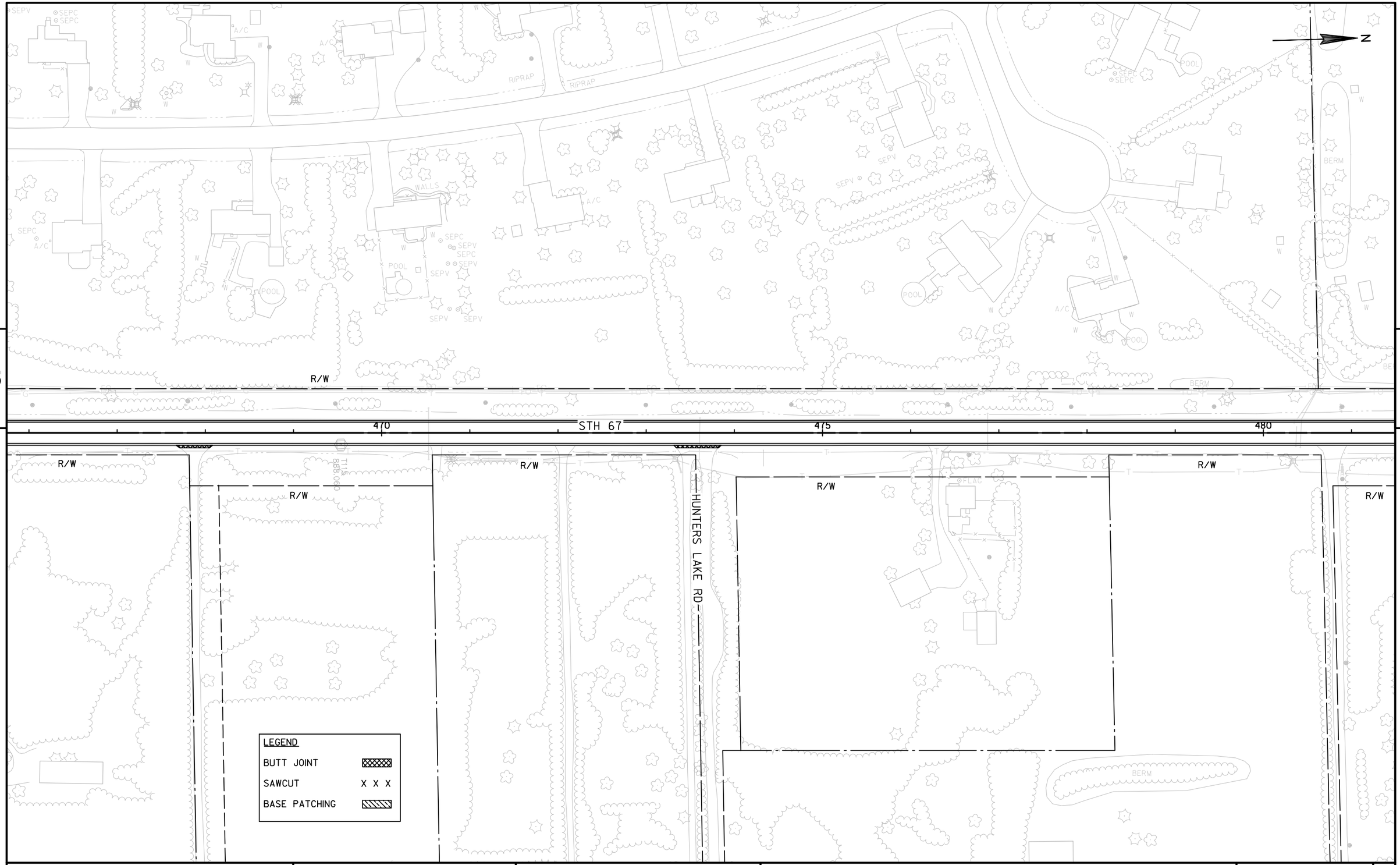
WISDOT/CADDS SHEET 44



PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 148 E



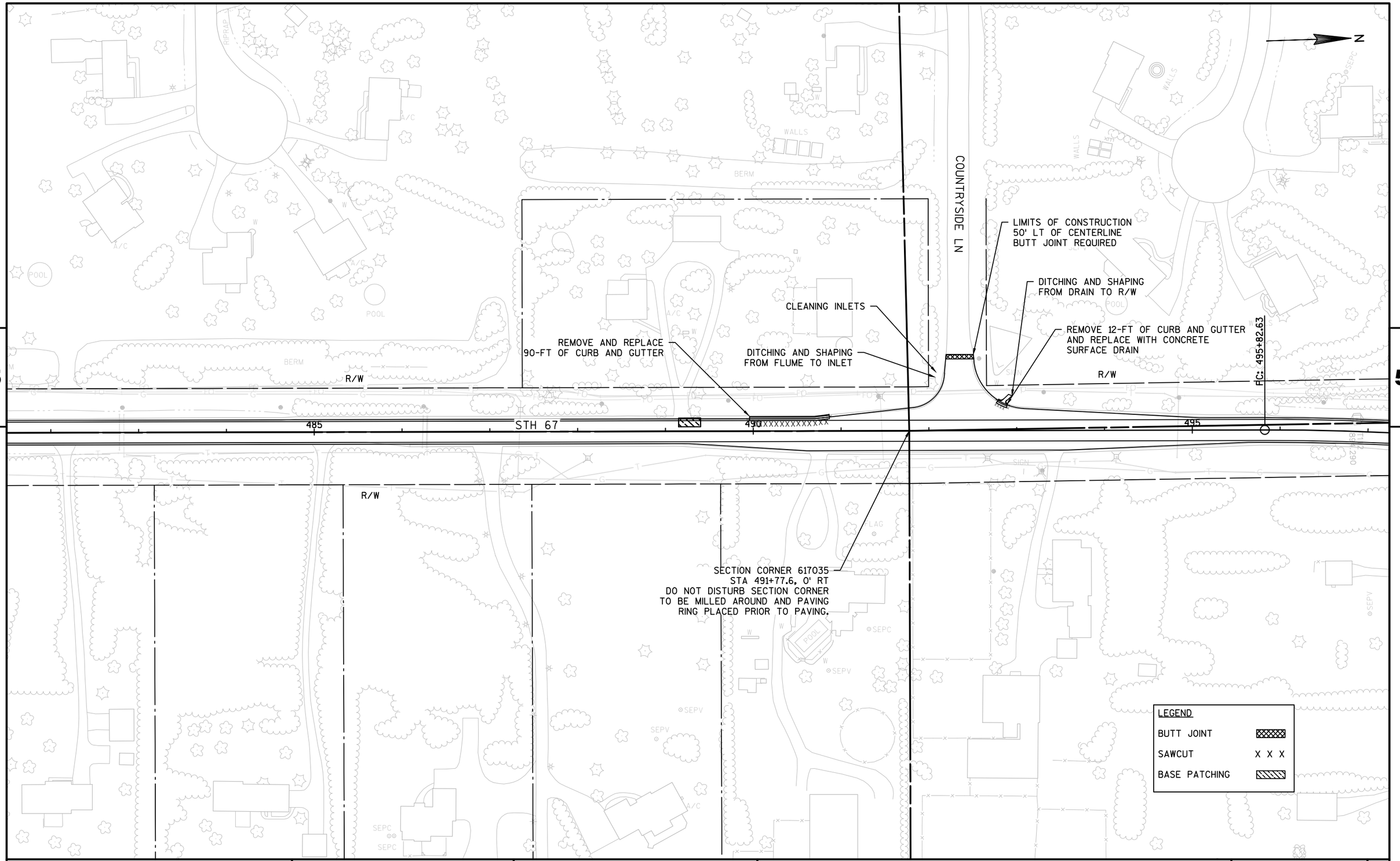
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 149 E



PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 150 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050230

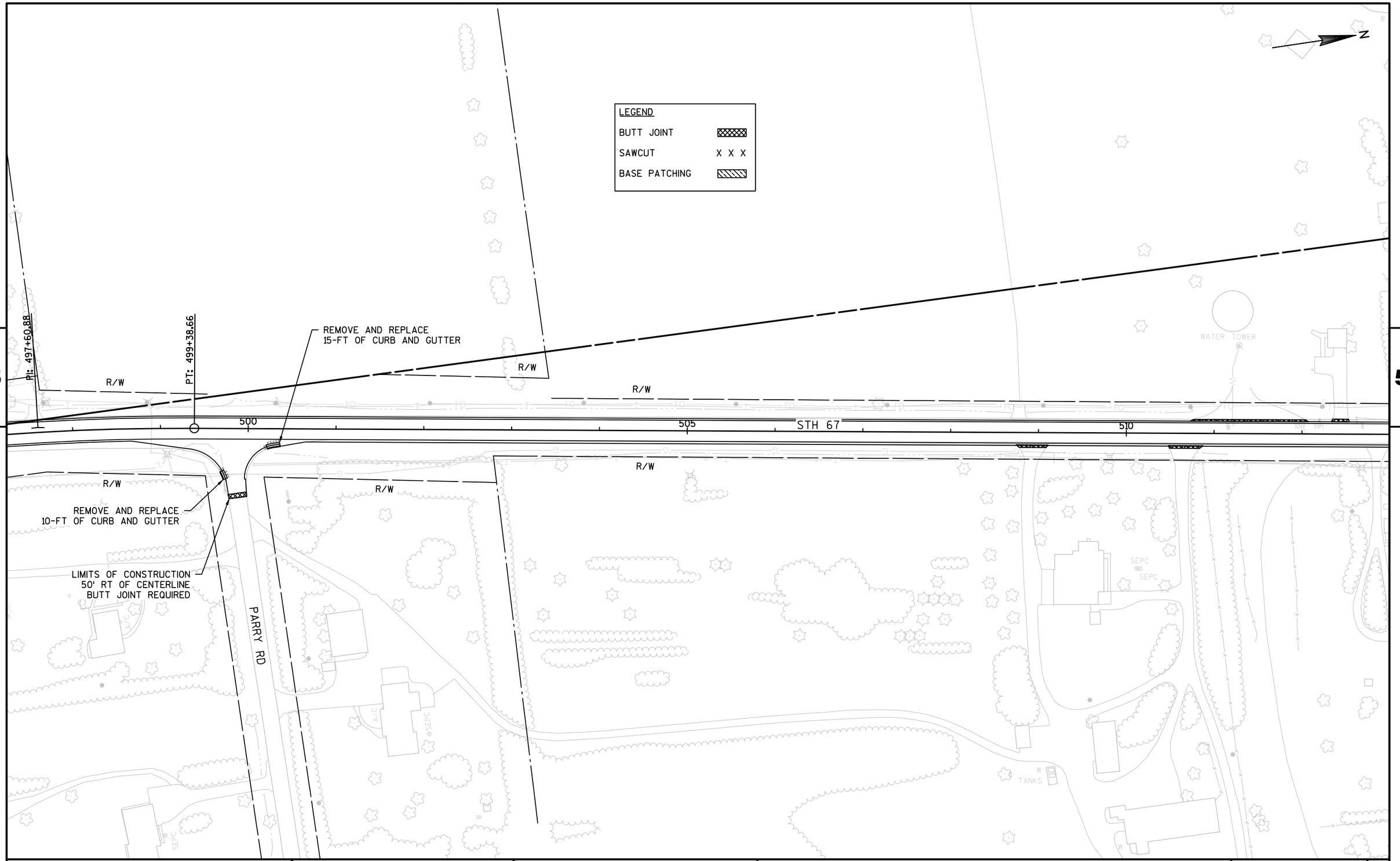
PLOT DATE : 10/20/2021 9:40 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT



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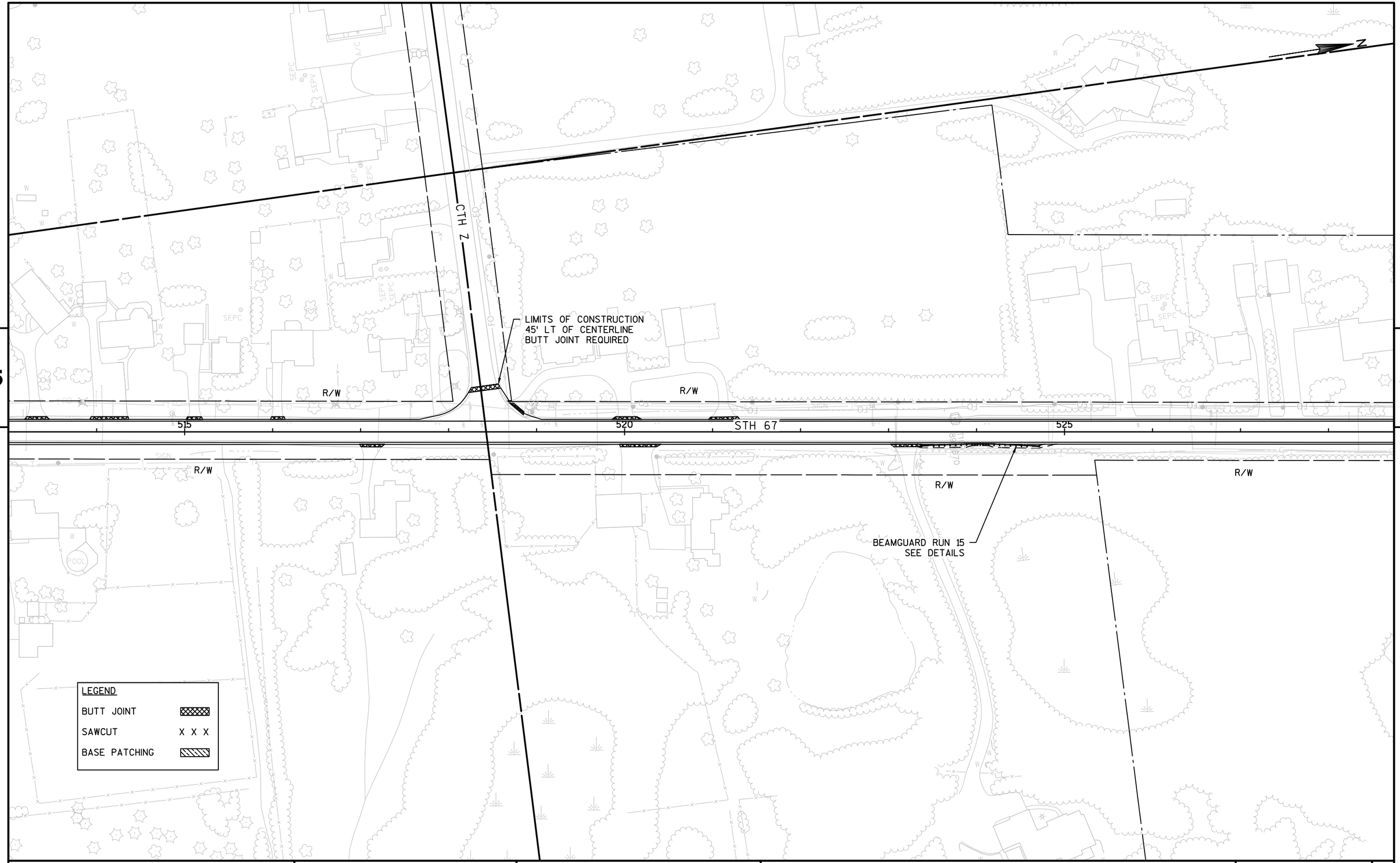
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PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 151 E



5 5

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 152 E



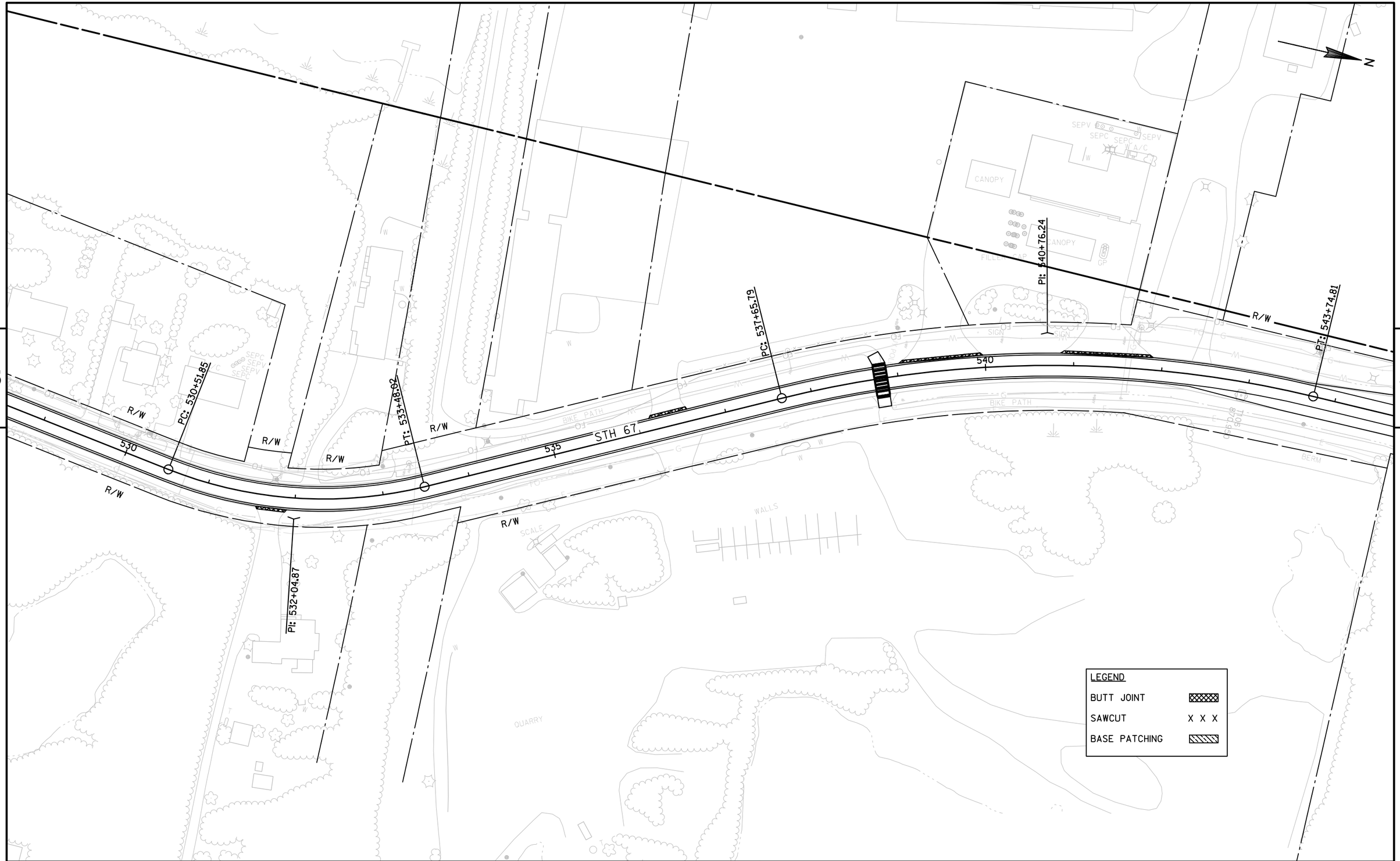
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PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 153 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050233

PLOT DATE : 10/20/2021 9:43 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT



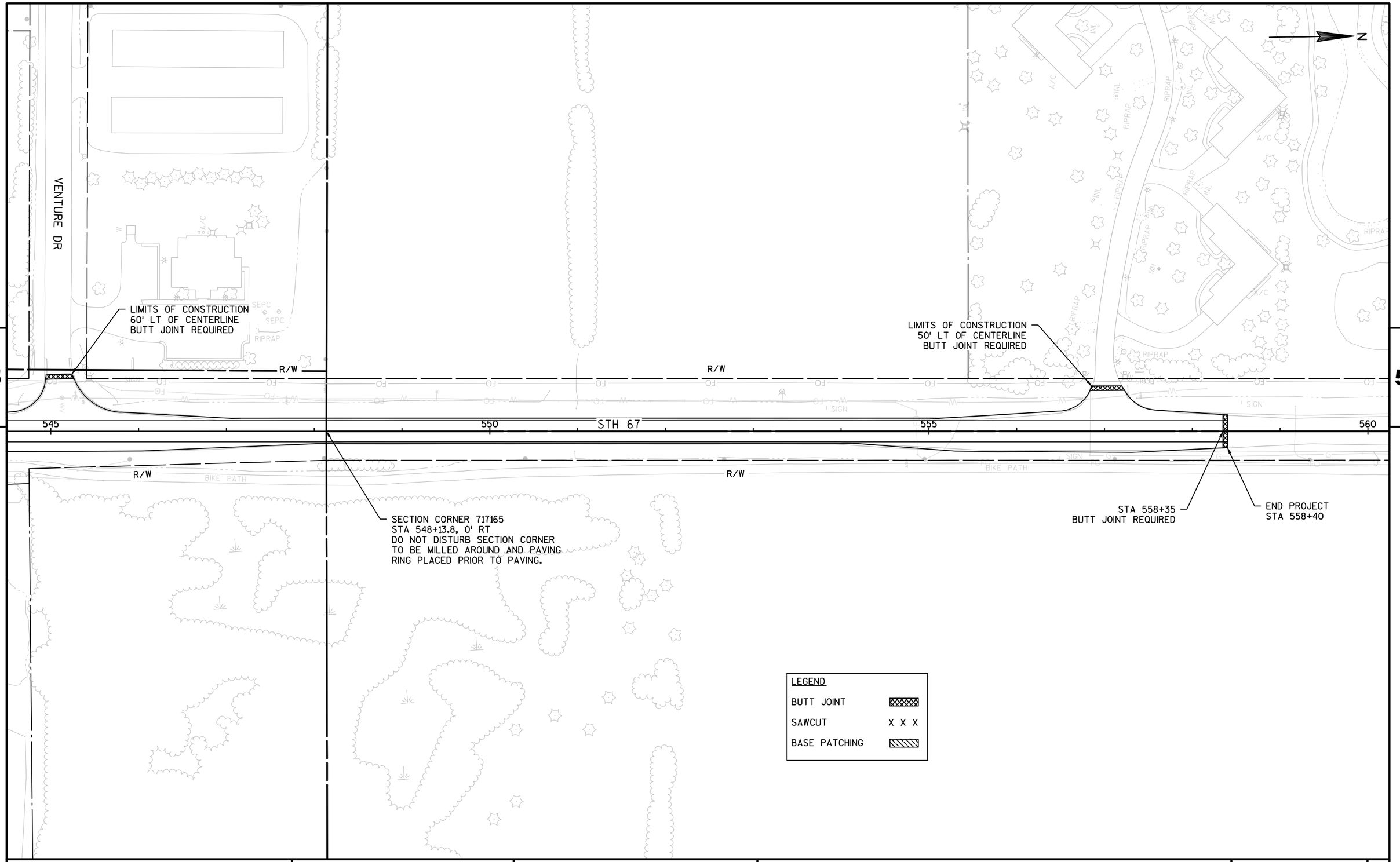
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5

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 154 E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-PN - 050234

PLOT DATE : 10/20/2021 9:44 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:100 FT

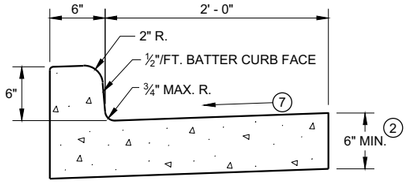


PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	PLAN DETAILS	SHEET 155 E

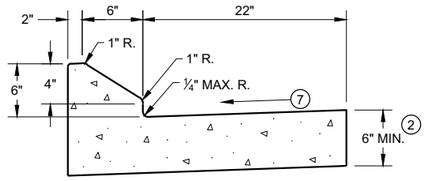
Standard Detail Drawing List

08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
14B15-11A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B24-09A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B28-04A	GUARDRAIL MOW STRIP
14B28-04B	GUARDRAIL MOW STRIP
14B29-01	SAFETY EDGE
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)
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
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
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
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C34-03	STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKER, TYPE 2
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
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
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

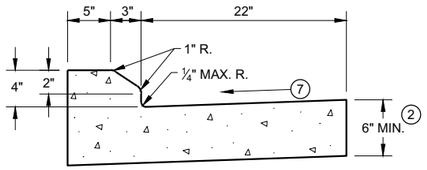
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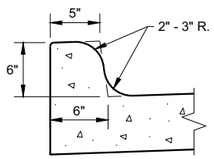
TYPES A (1) & D



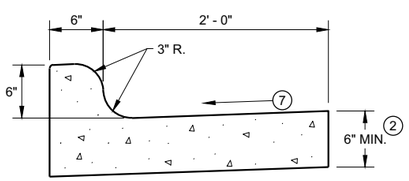
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

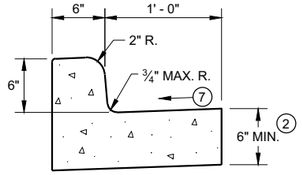


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



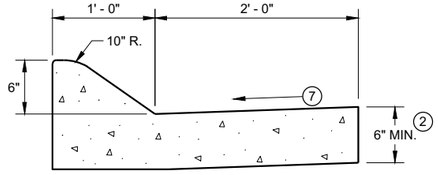
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

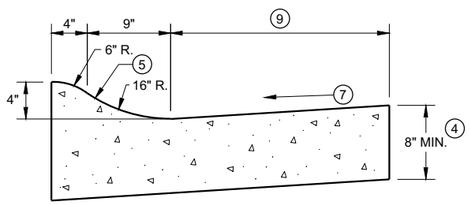
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

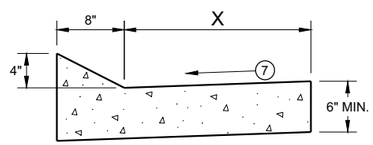
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

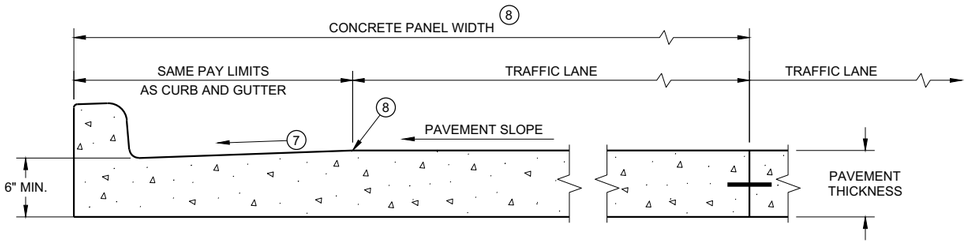


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

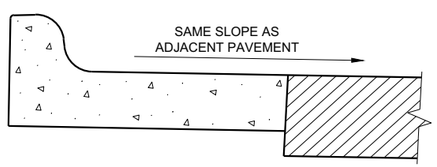
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

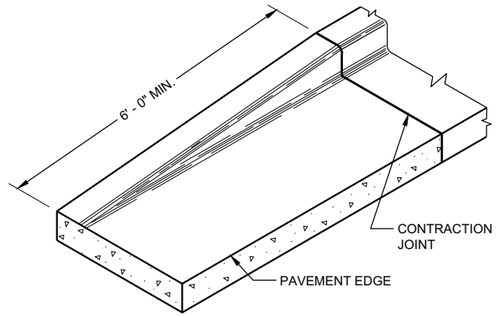
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

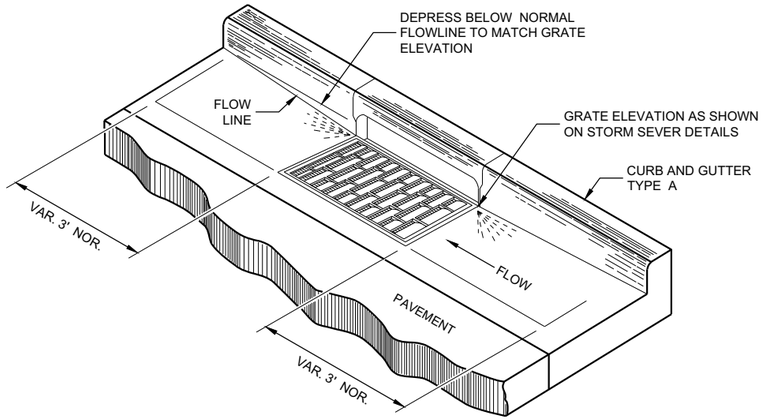
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

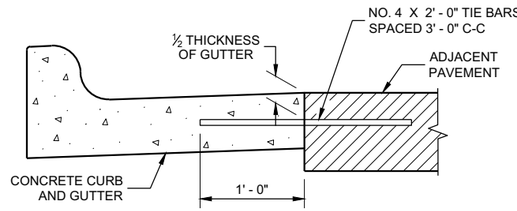
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

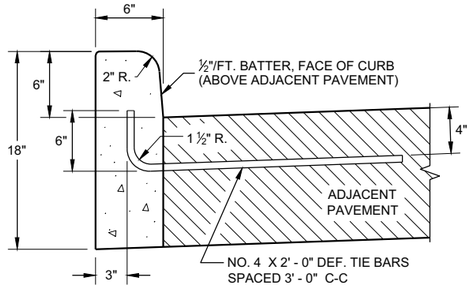
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

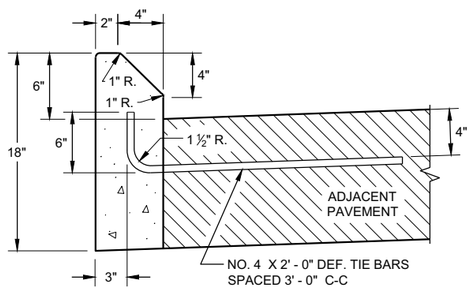
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

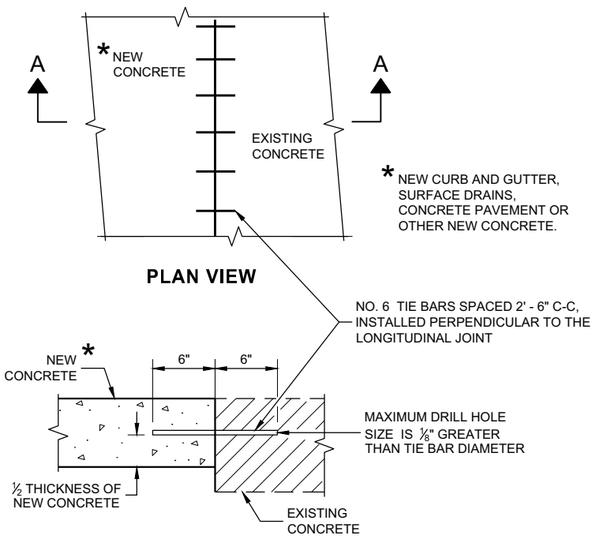


TYPES A (1) & D



TYPES G (1) & J

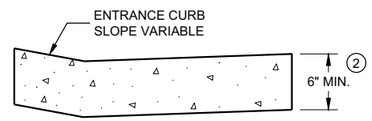
CONCRETE CURB



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

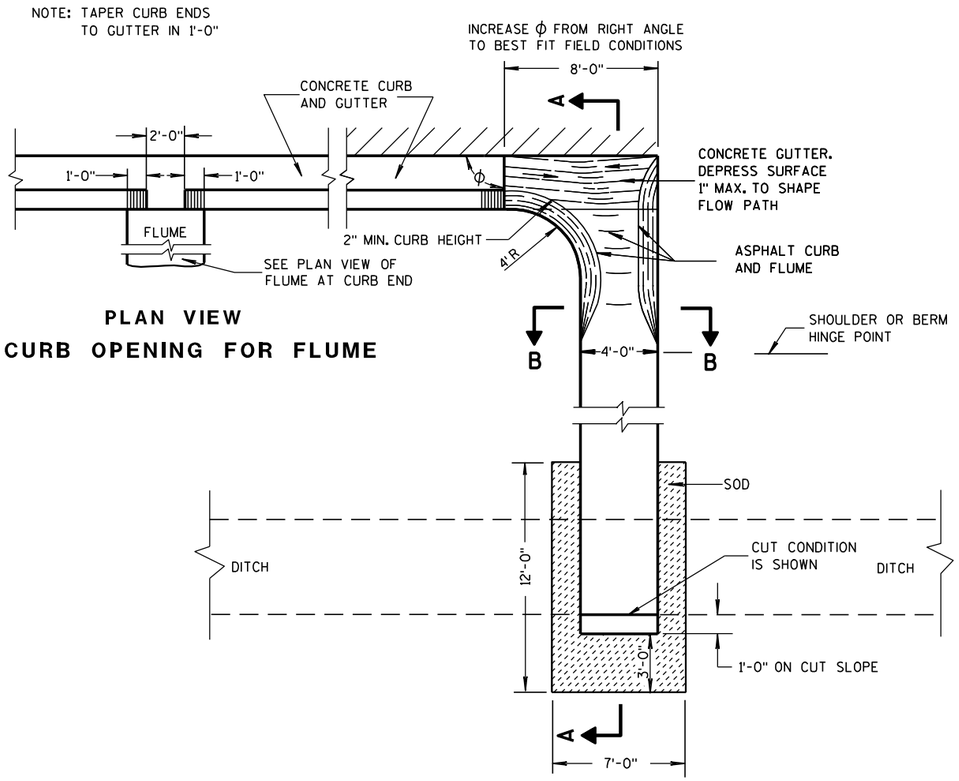
APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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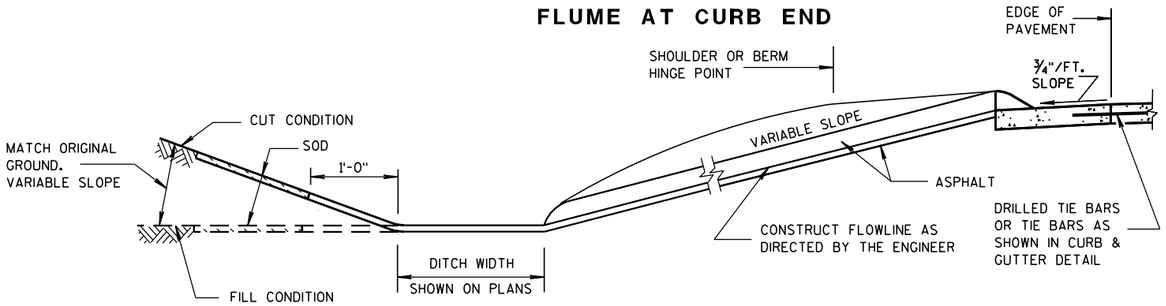
SDD08D01 - 22b

ASPHALTIC FLUME

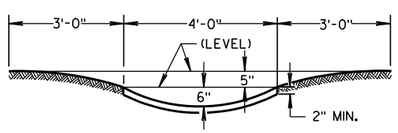


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

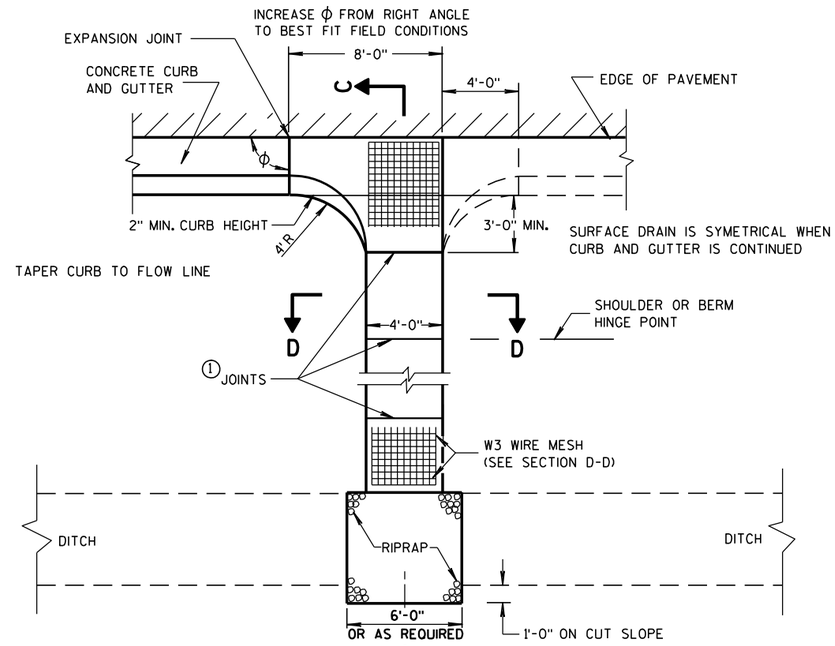
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE ⅛ TO ¼ INCH WIDE BY 1½ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

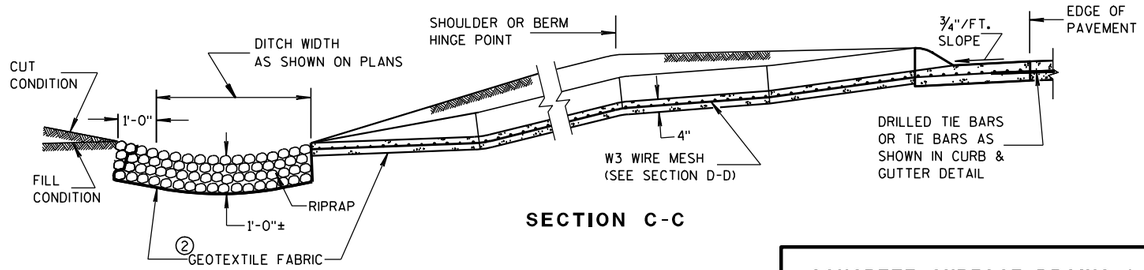
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

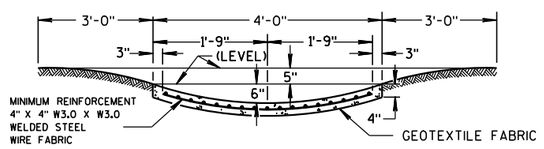
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

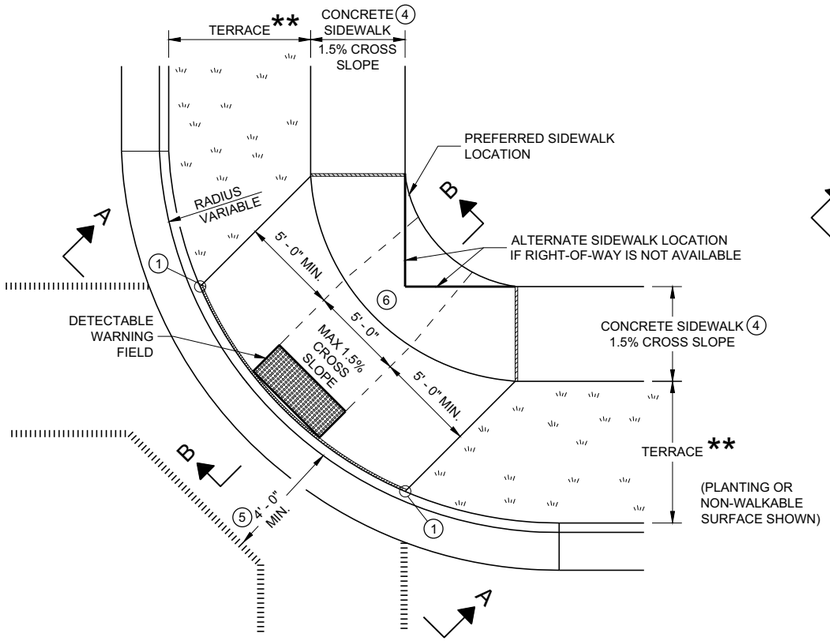
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
159
MENT
FHWA

6

S.D.D. 8 D 4-5

6

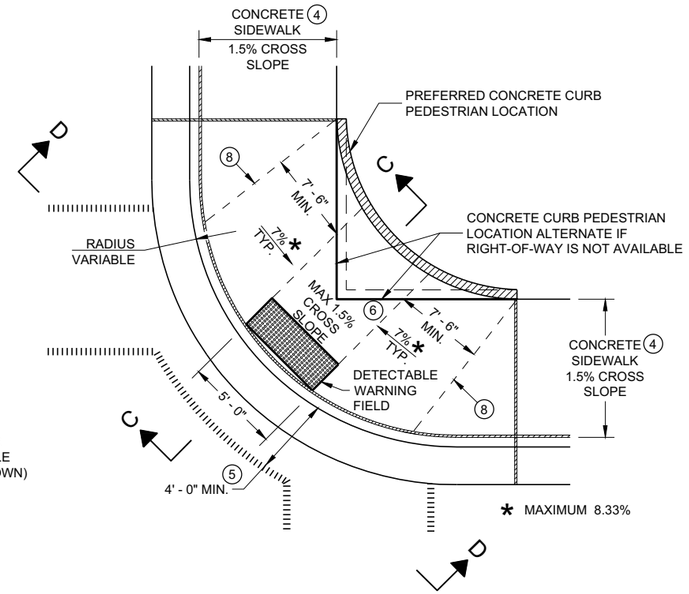
S.D.D. 8 D 4-5



PLAN VIEW

CURB RAMP TYPE 1

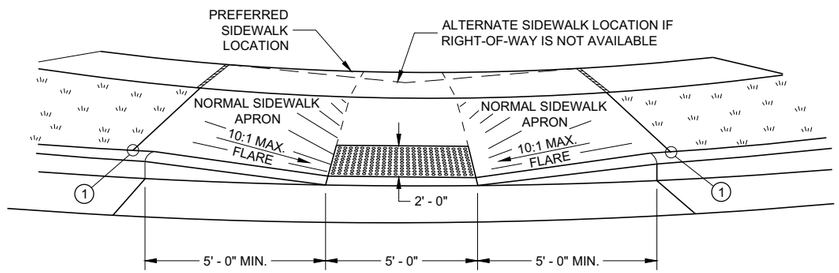
(CENTER OF CORNER RADIUS)



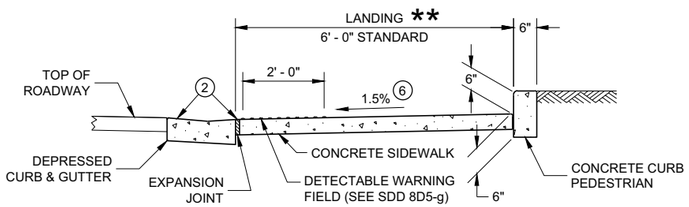
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

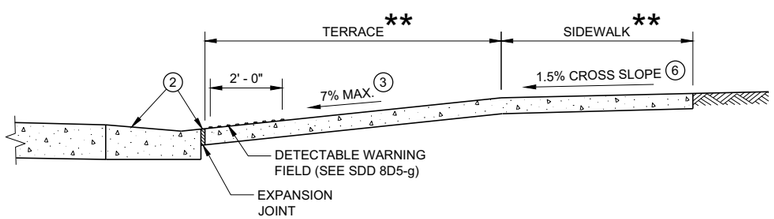


VIEW A - A FOR TYPE 1

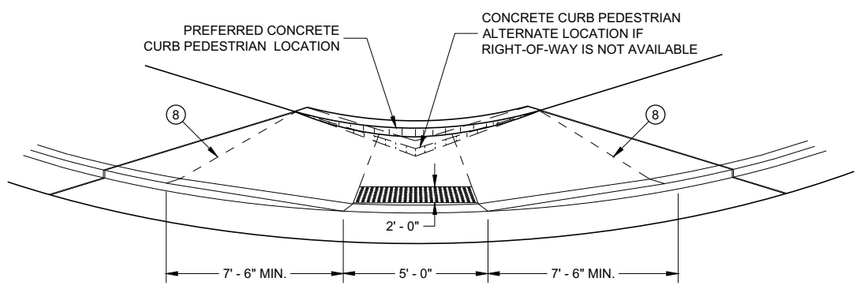


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

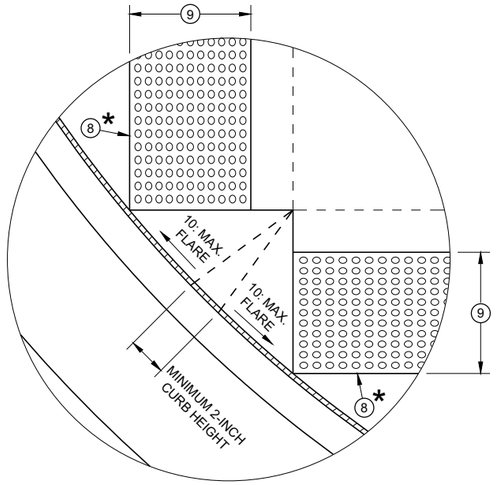
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

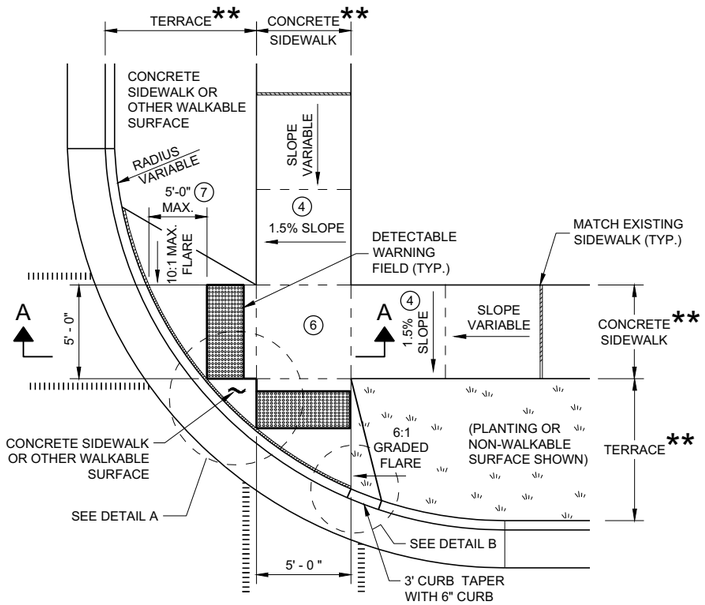
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a
SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

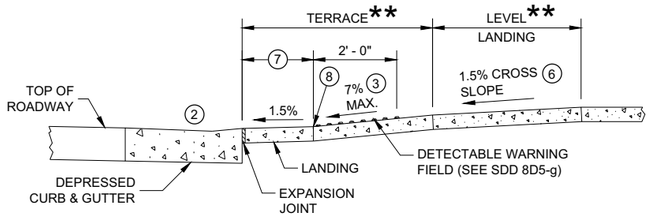
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

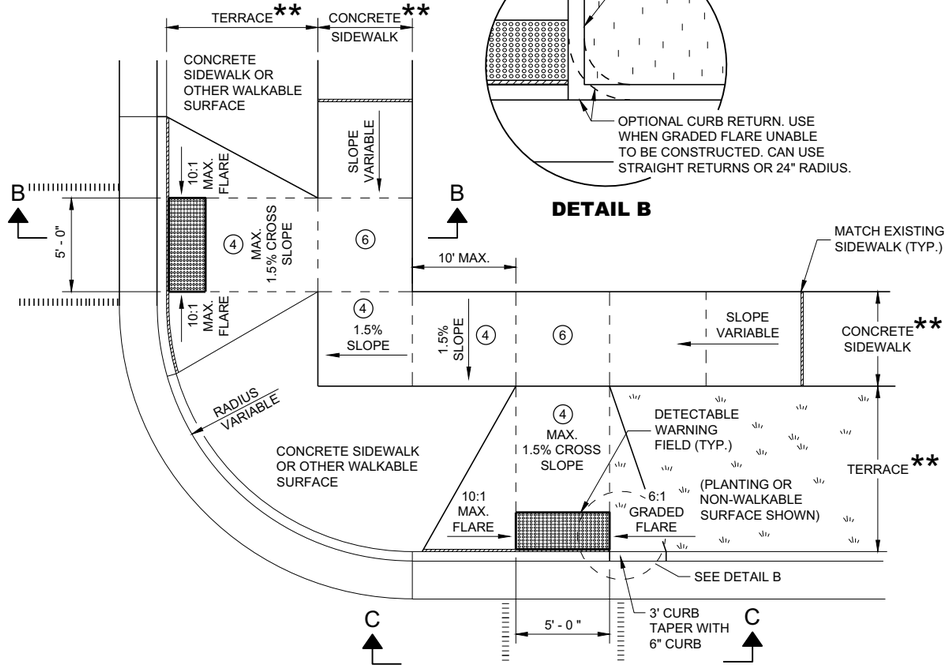
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

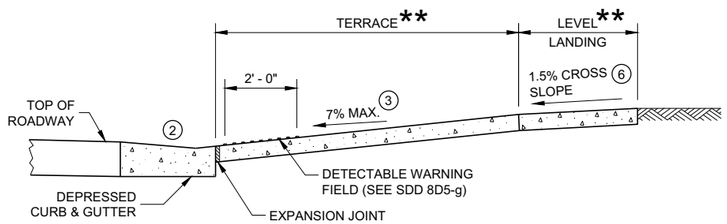
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

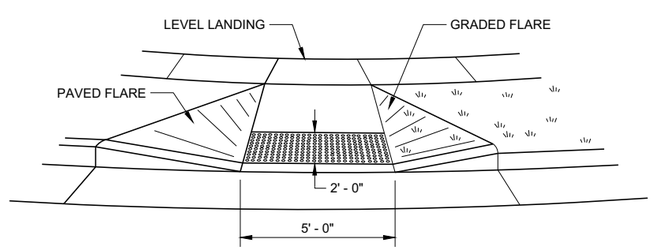
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



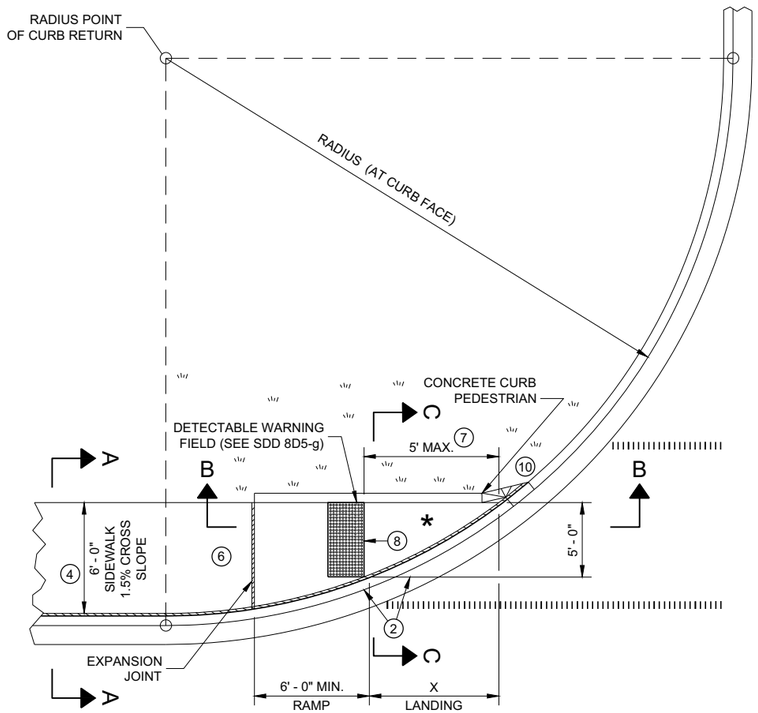
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

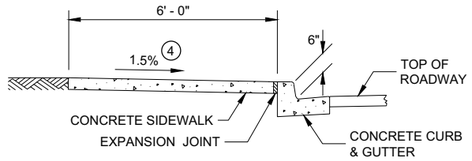


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

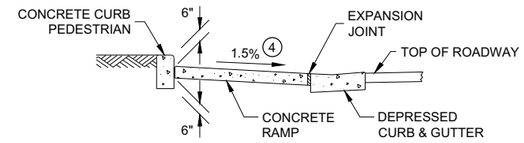
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

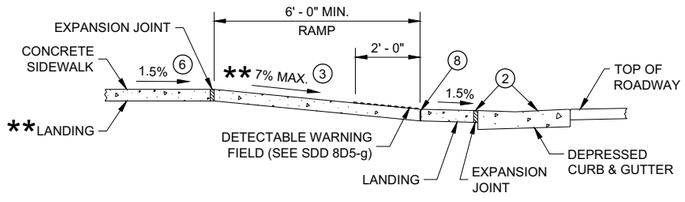
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



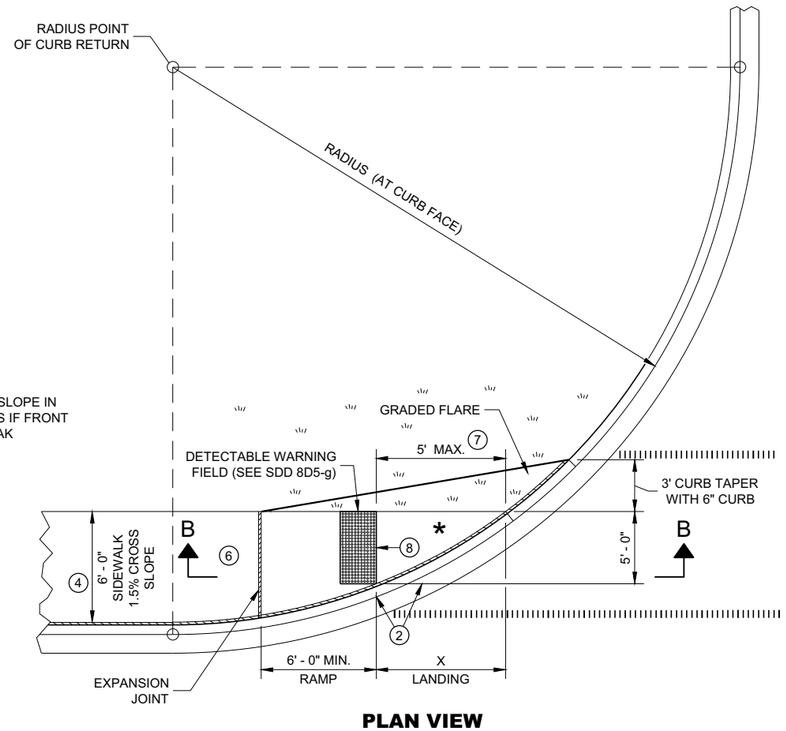
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

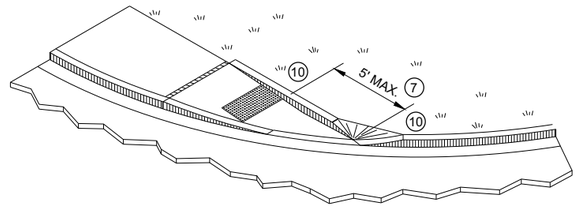
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

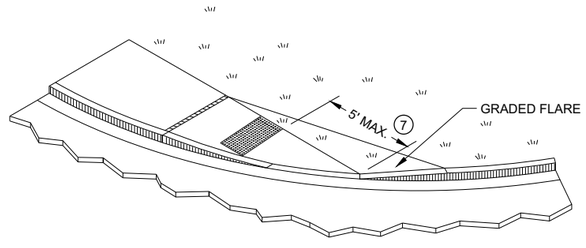


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



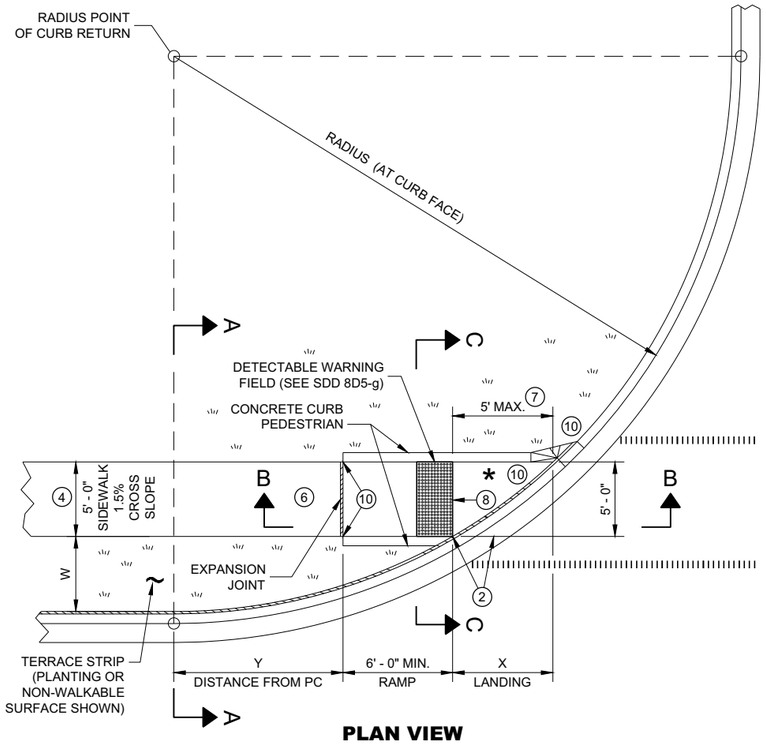
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

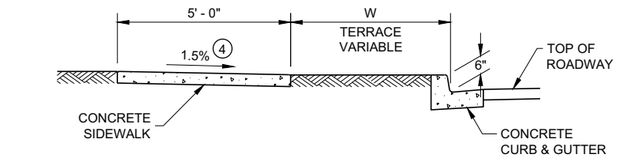
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

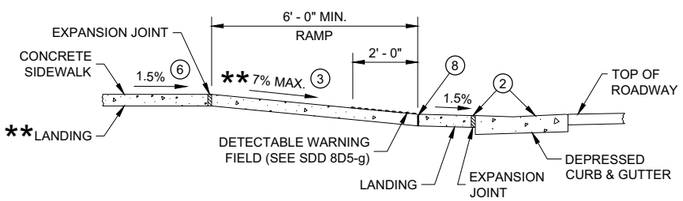
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

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



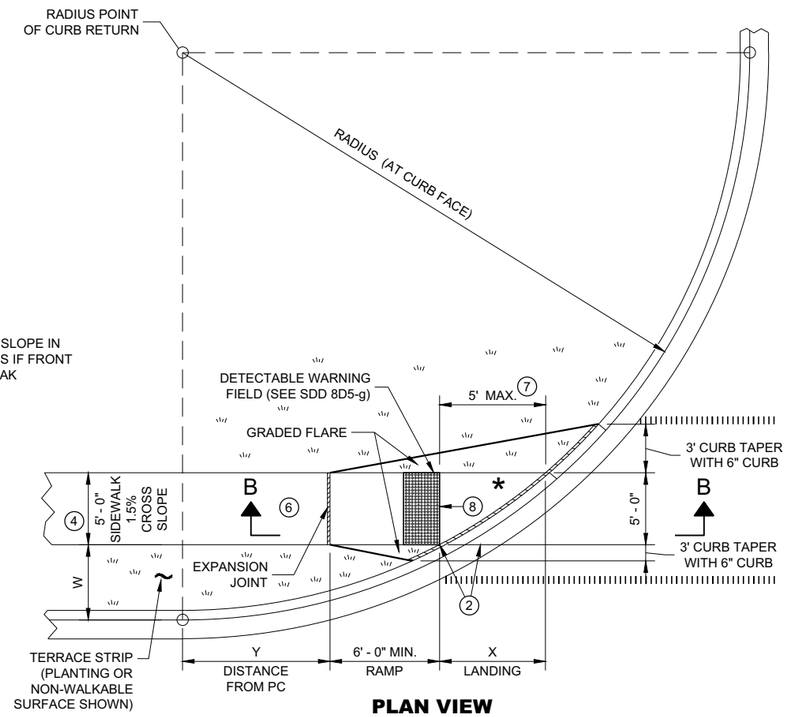
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

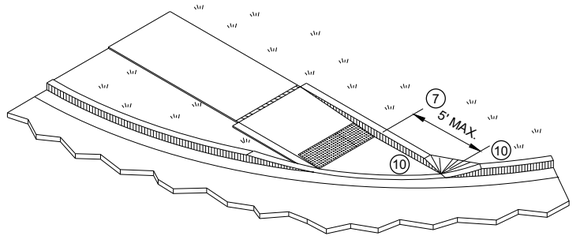
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

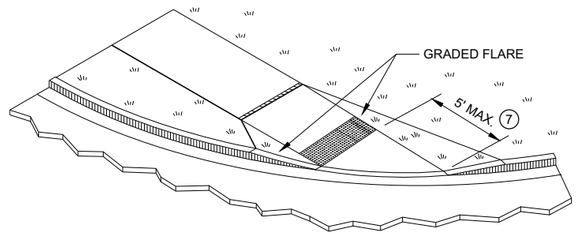


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



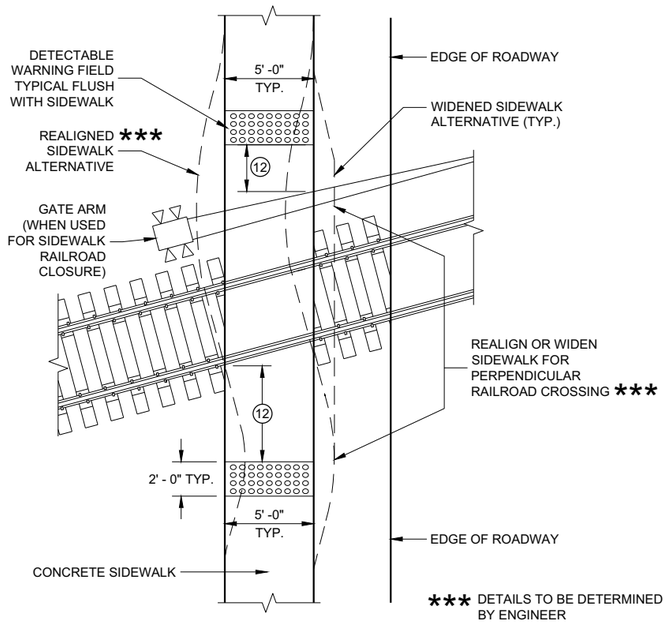
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

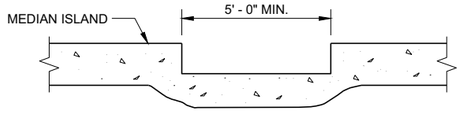
6

SDD 08D05 - 20d

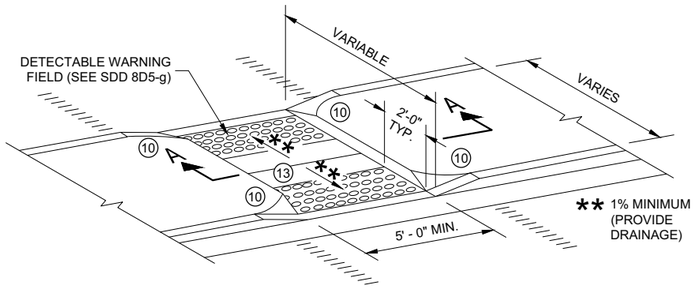


CURB RAMP TYPE 8

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.

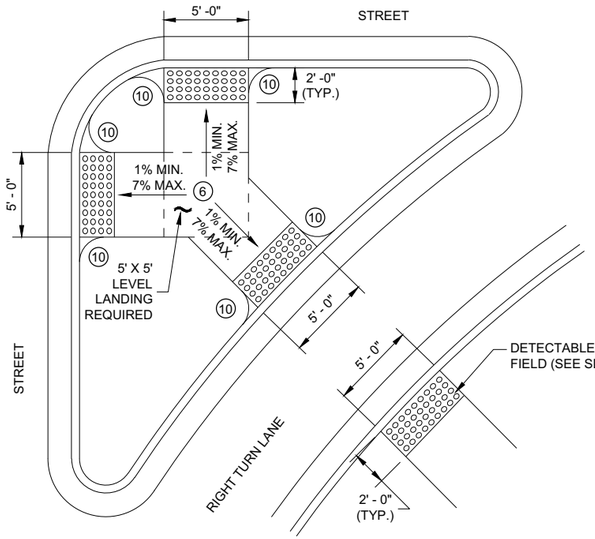
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

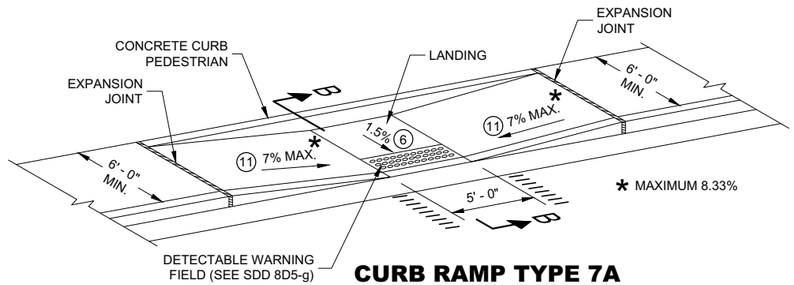
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

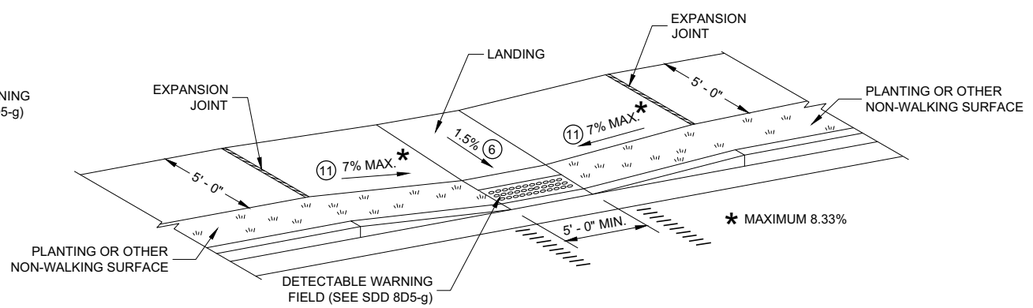
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

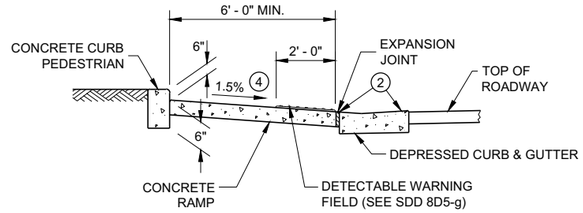
MID BLOCK CROSSING



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

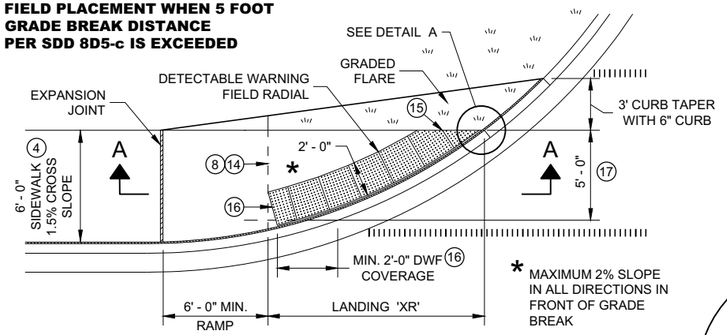
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

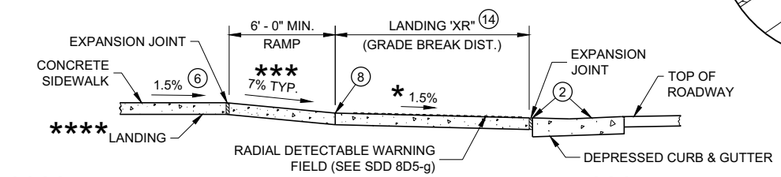
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

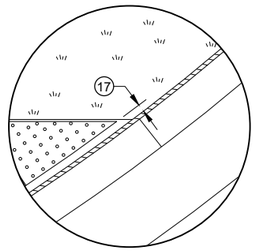
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** 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.

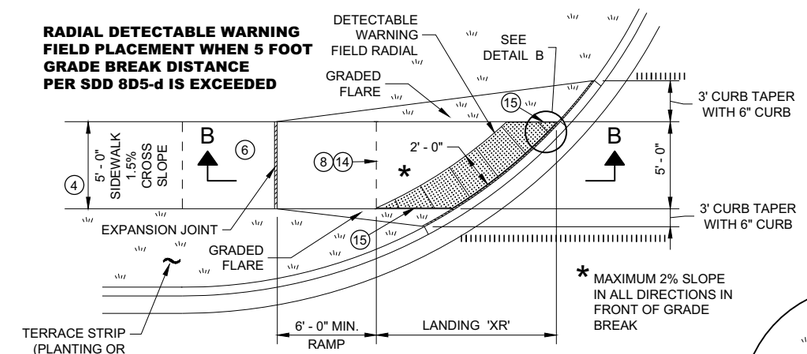
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

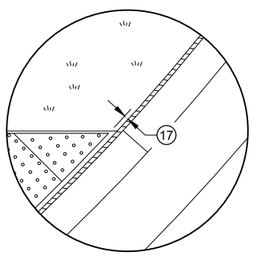
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



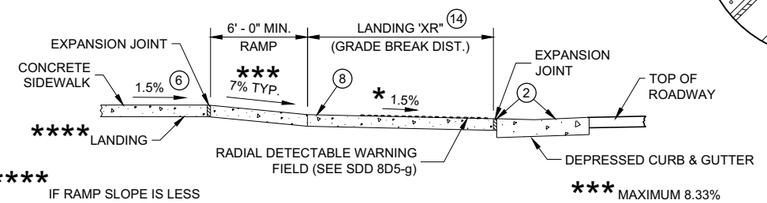
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

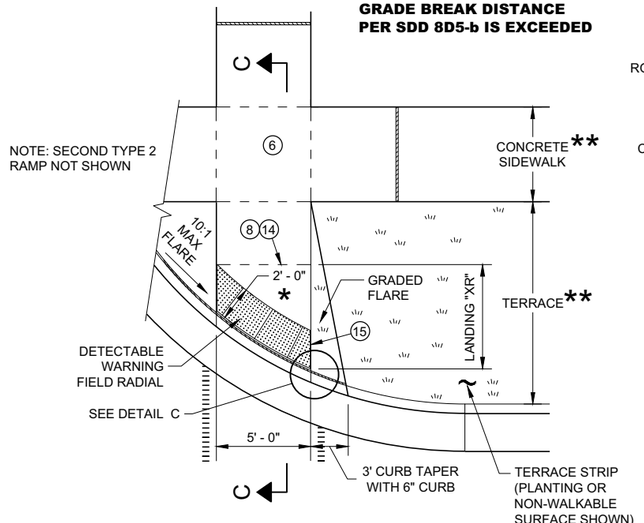


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** 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

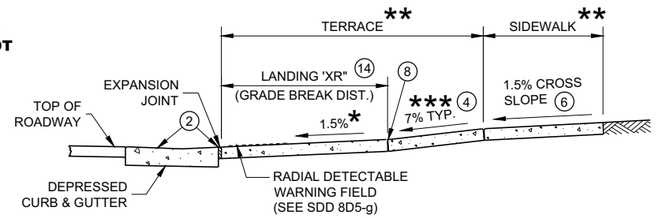


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

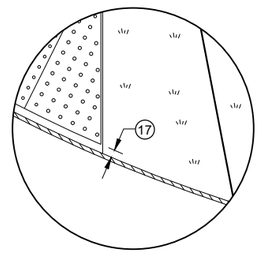


SECTION C - C FOR TYPE 2

* 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

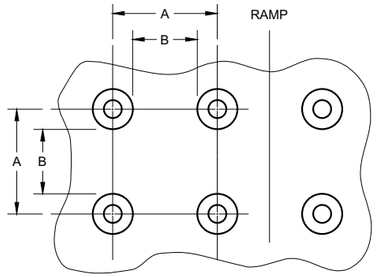
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20f

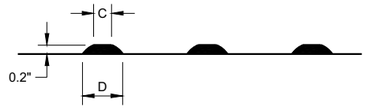
SDD 08D05 - 20f

	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.

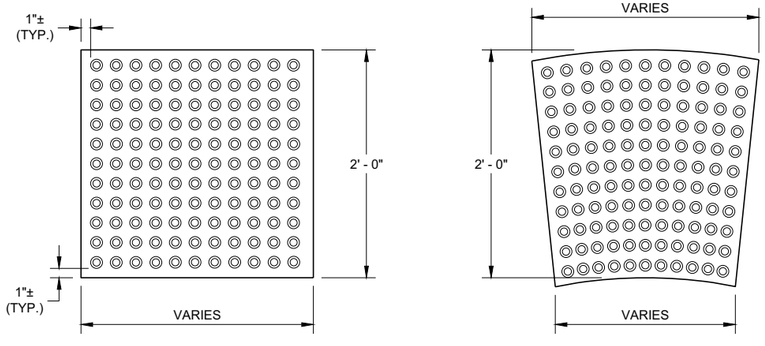


PLAN VIEW



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.

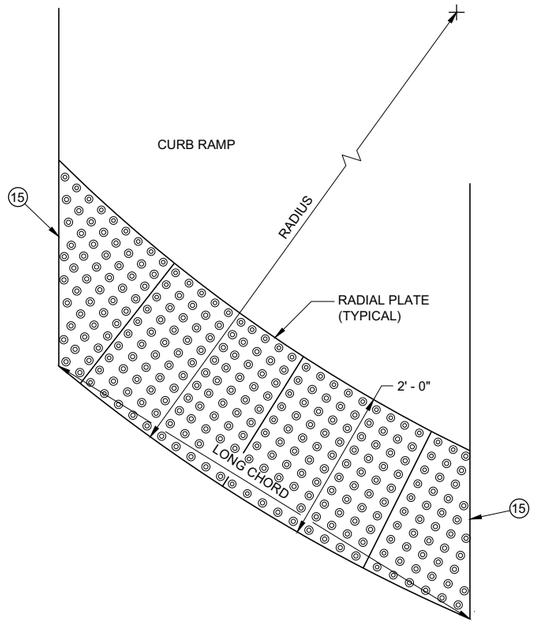
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

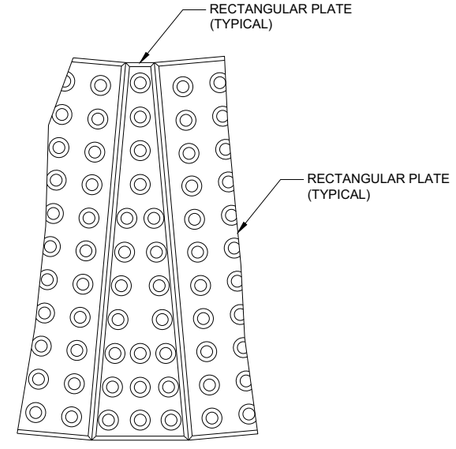
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

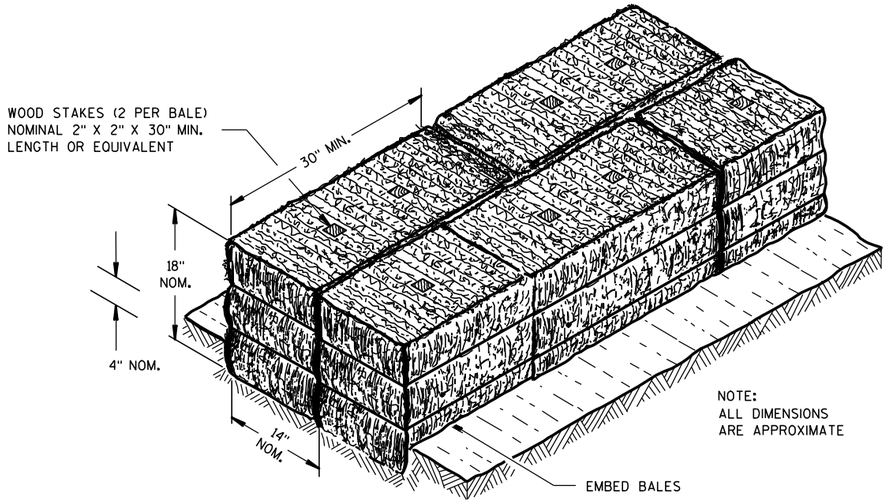
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

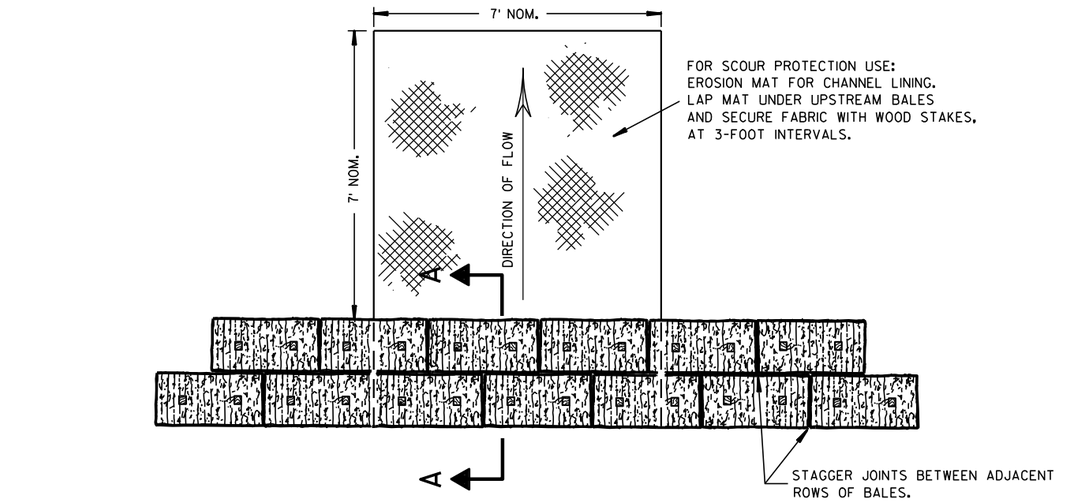
FHWA

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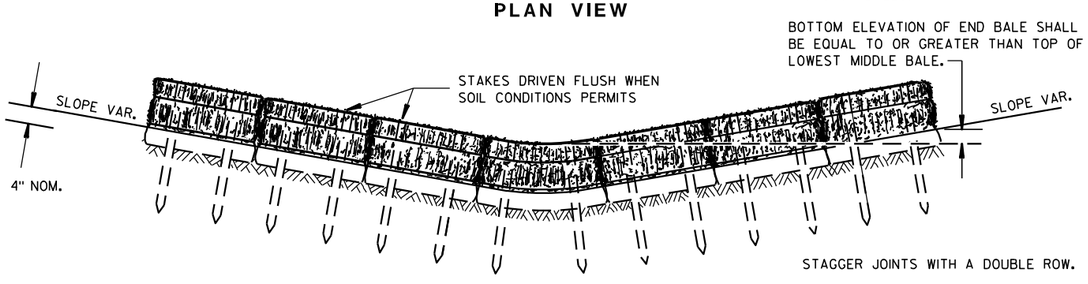
SDD 08D05 - 20g



SECTION A-A



PLAN VIEW



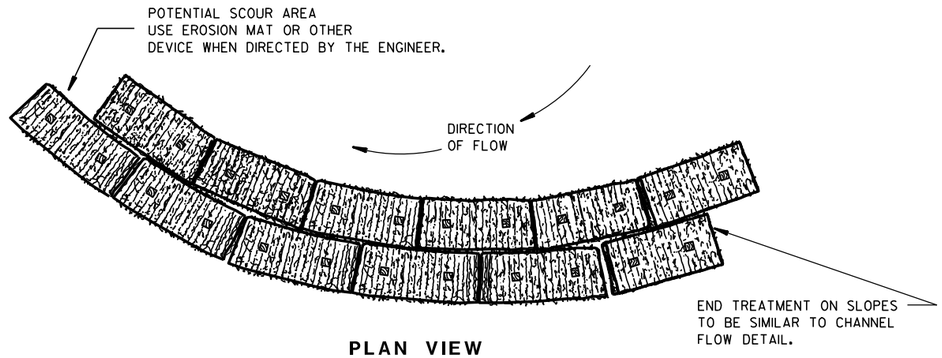
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

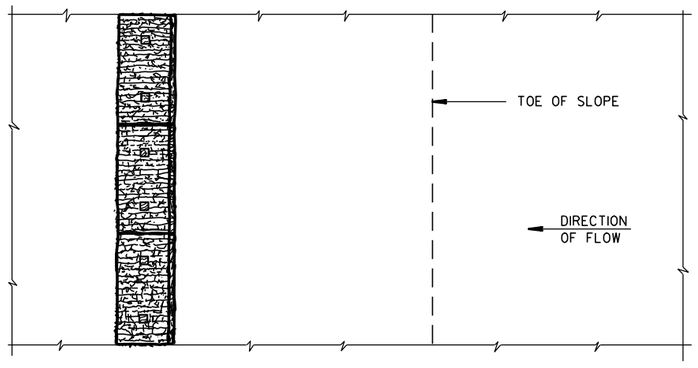
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

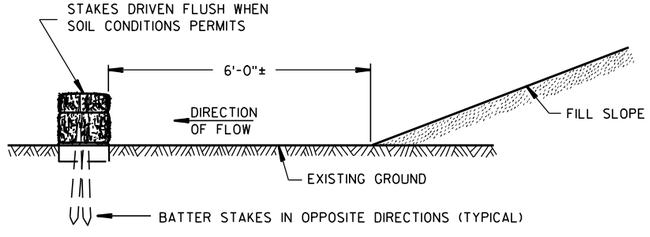


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

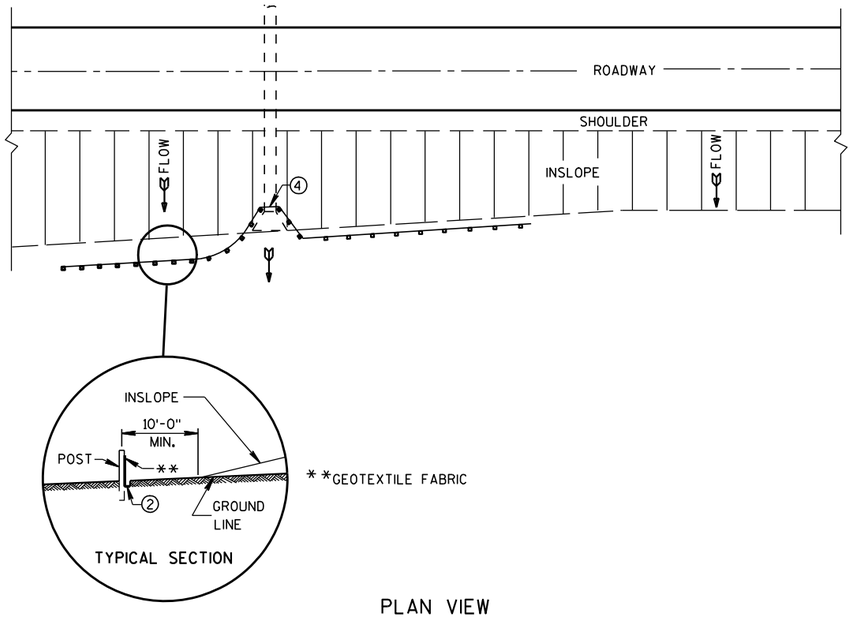
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 8-3

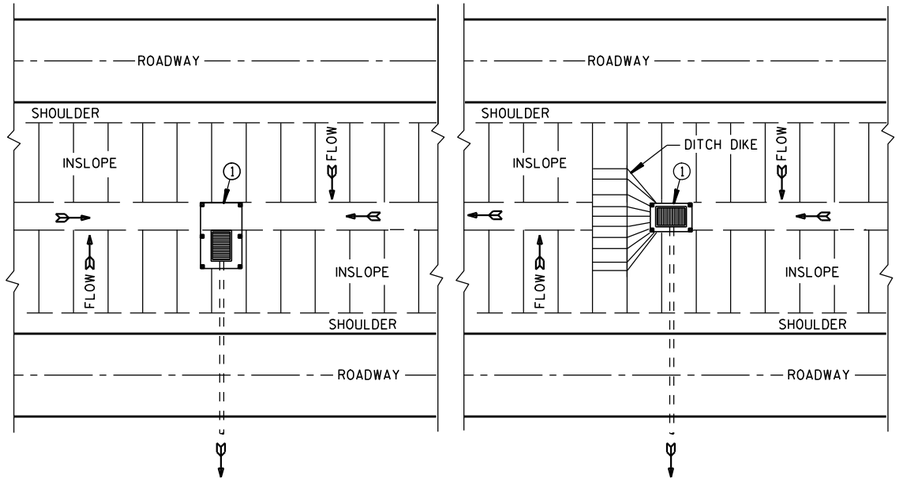
6

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.

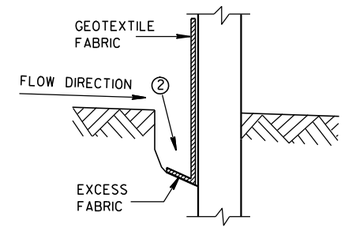
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

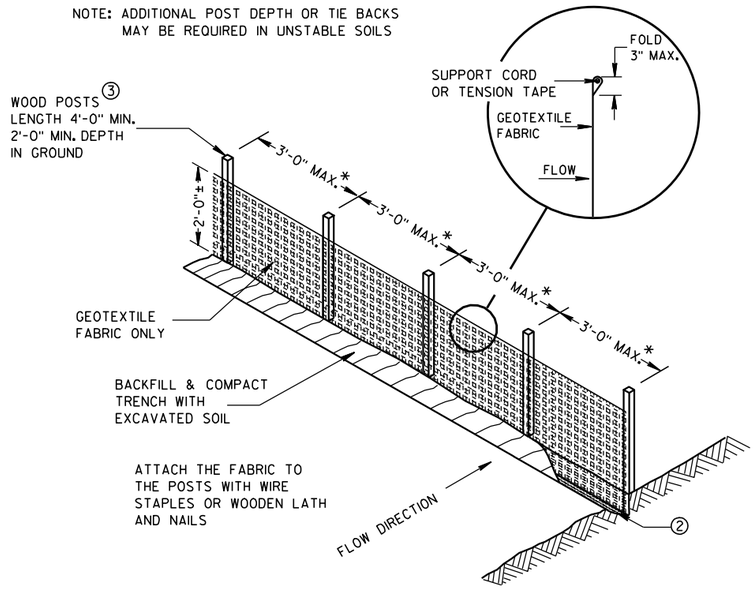
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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.

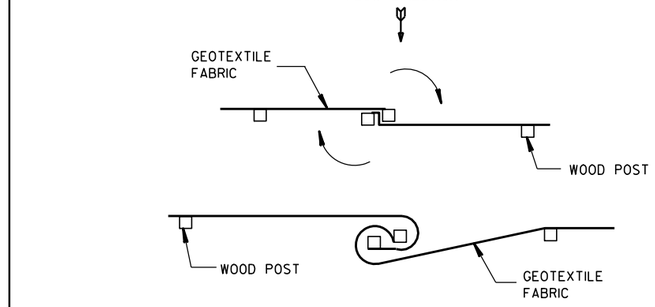


TRENCH DETAIL

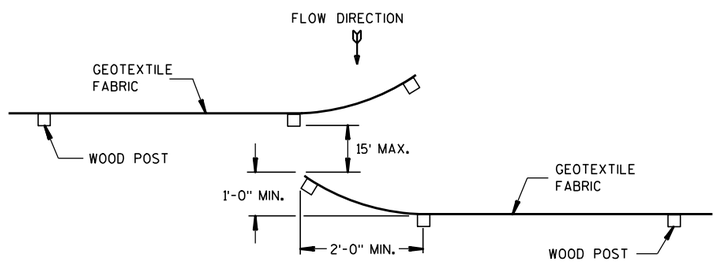


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

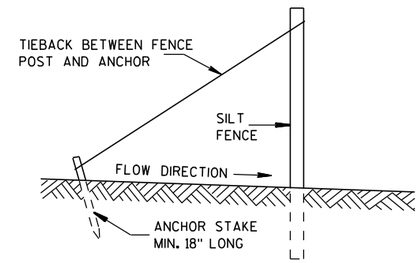


TWIST METHOD



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

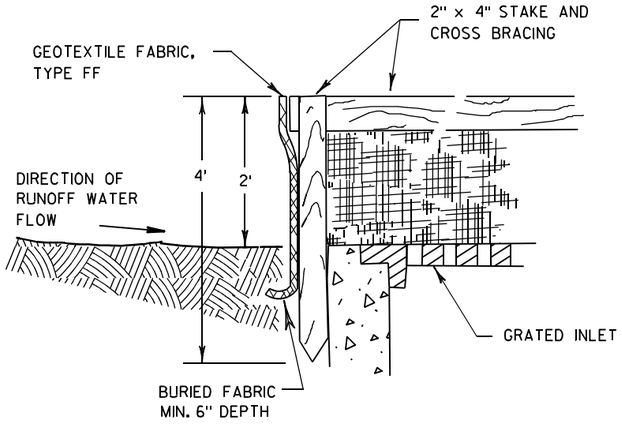
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

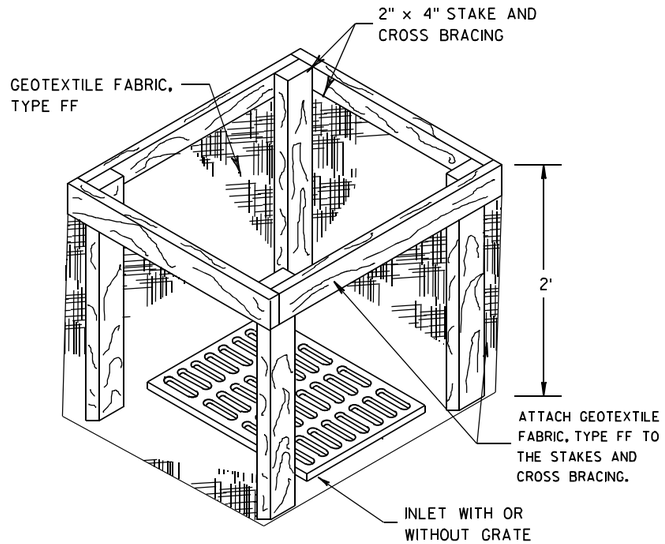
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S.D.D. 8 E 9-6

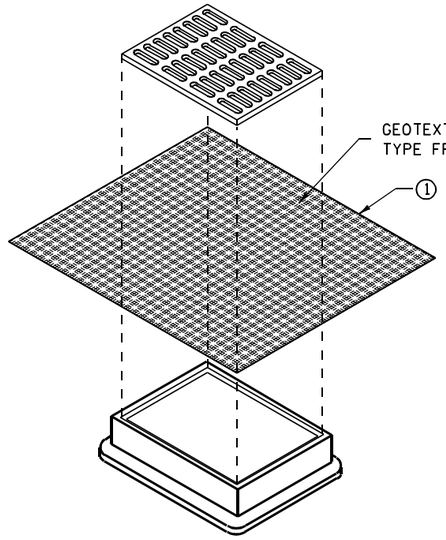
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S.D.D. 8 E 9-6



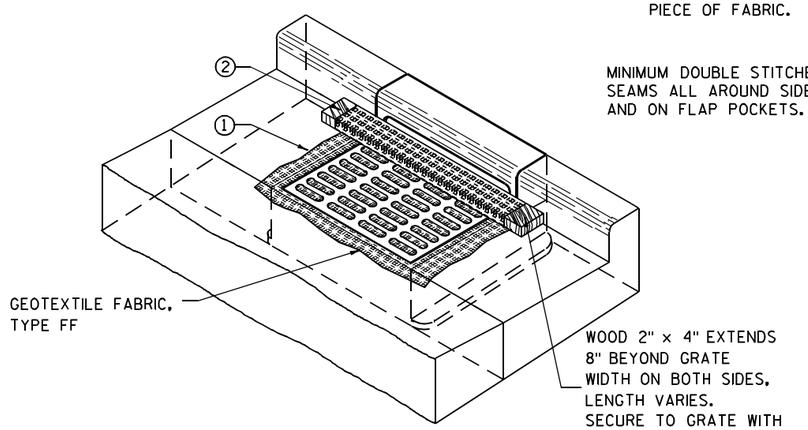


INLET PROTECTION, TYPE A

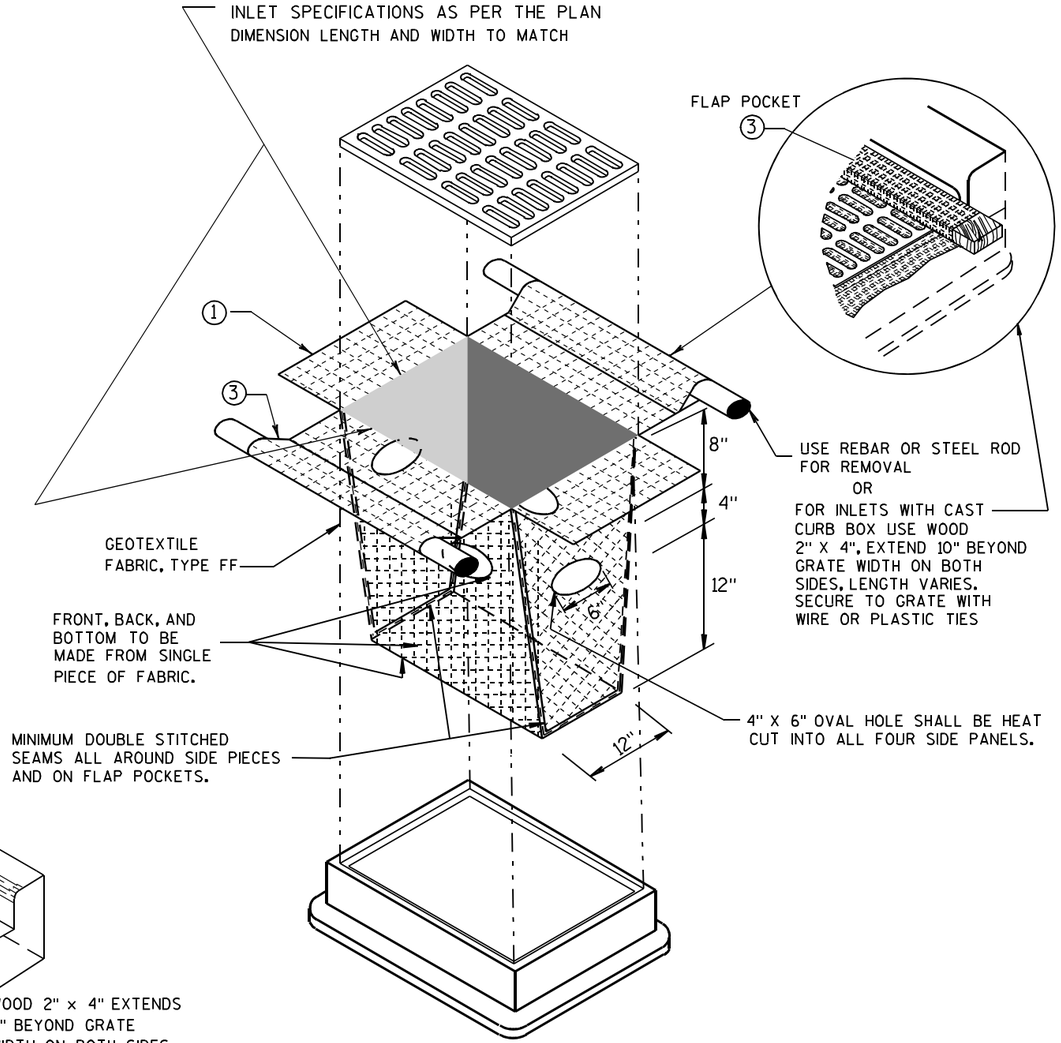


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

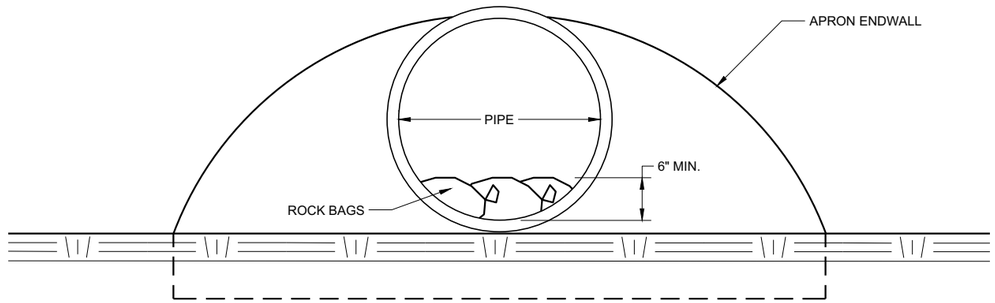
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

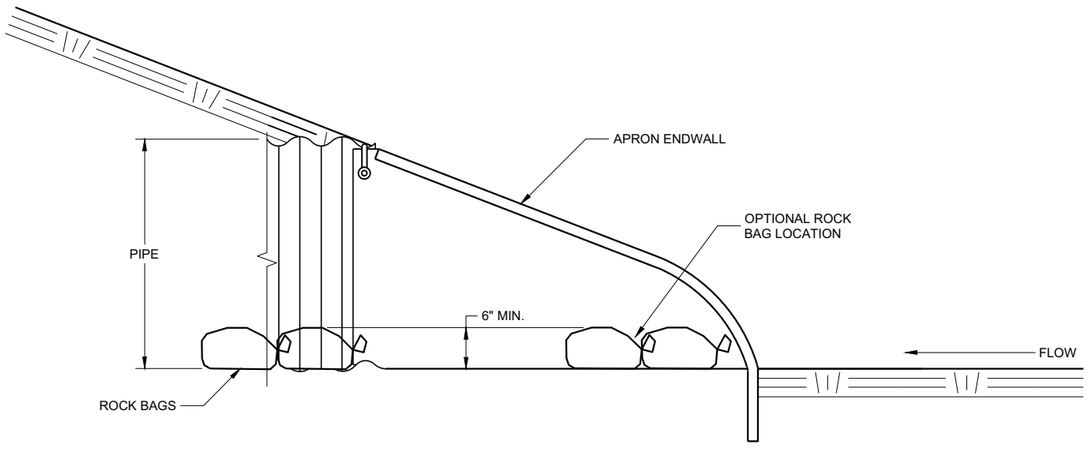
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

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SDD 08E15 - 01

METAL APRON ENDWALLS

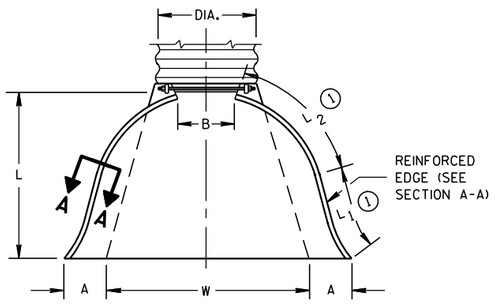
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

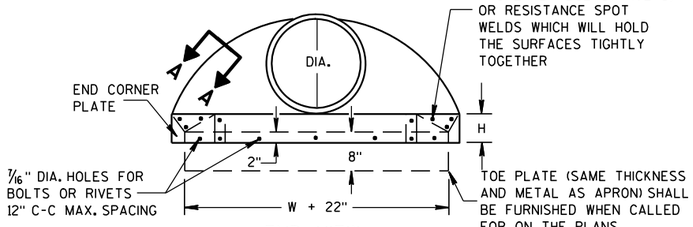
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

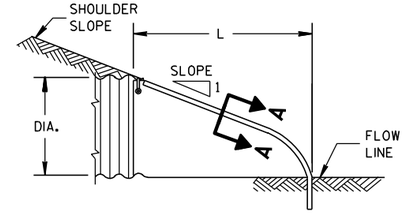
*MINIMUM
**MAXIMUM



PLAN VIEW

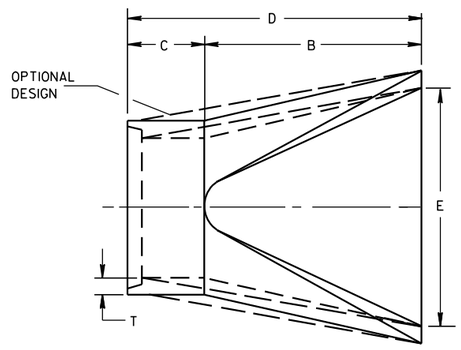


END VIEW

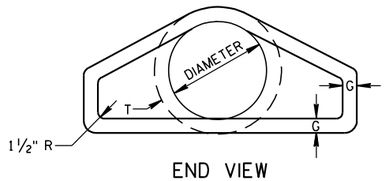


SIDE ELEVATION

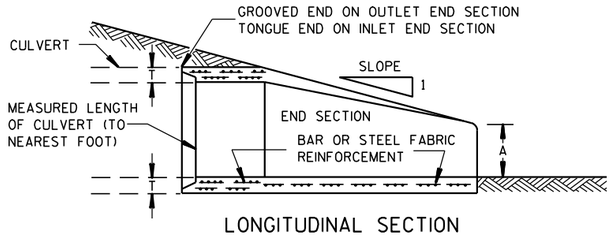
METAL ENDWALLS



PLAN

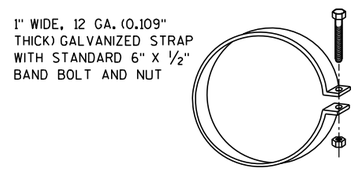


END VIEW



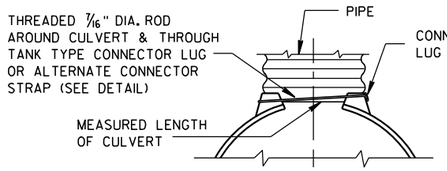
LONGITUDINAL SECTION

CONCRETE ENDWALLS

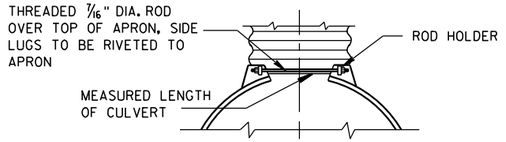


ALTERNATE FOR TYPE 1 CONNECTION

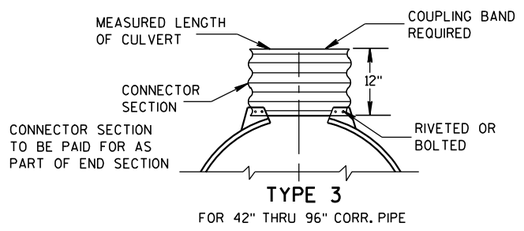
END SECTION CONNECTOR STRAP



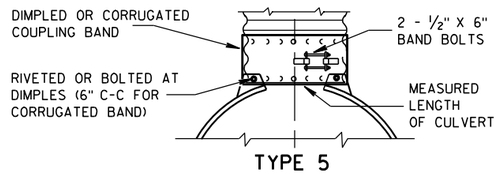
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

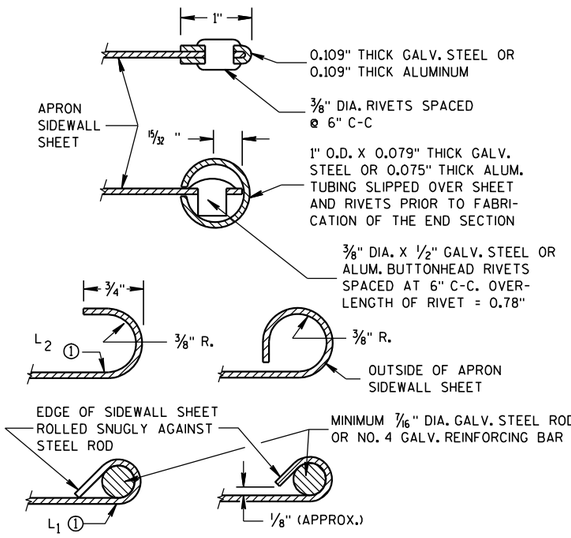
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

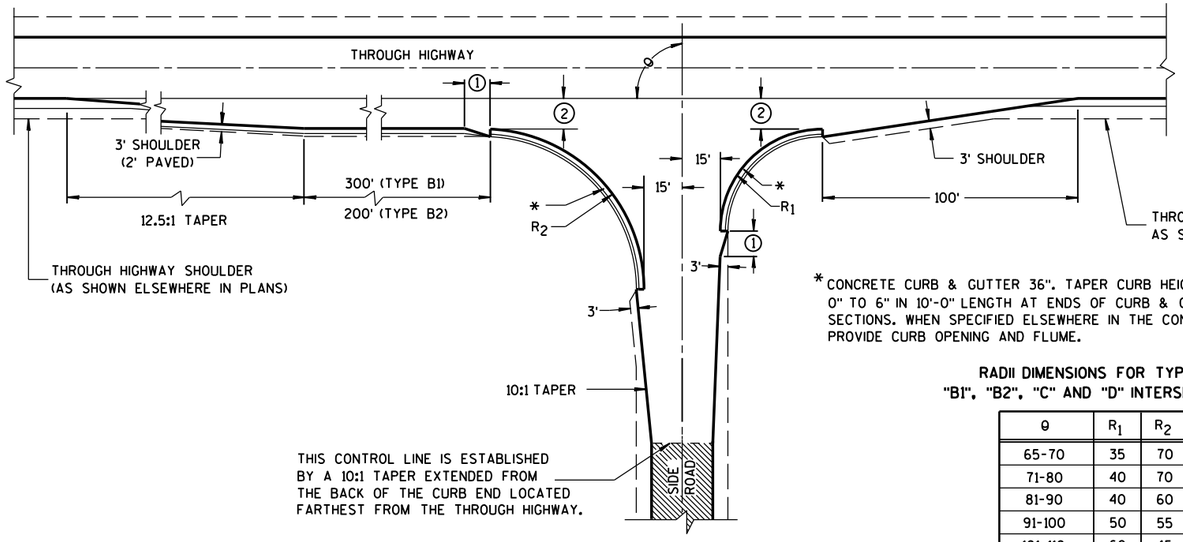
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11

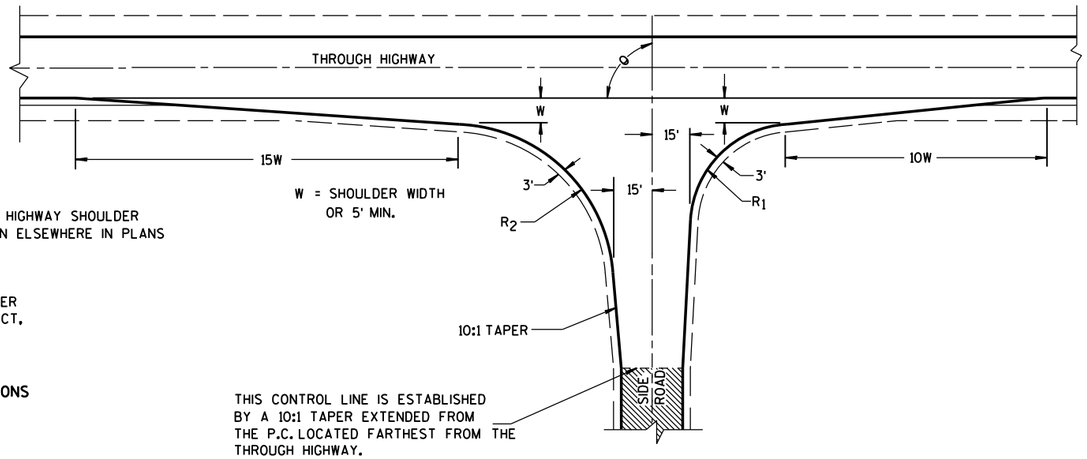


TYPE "B1" AND "B2"

*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

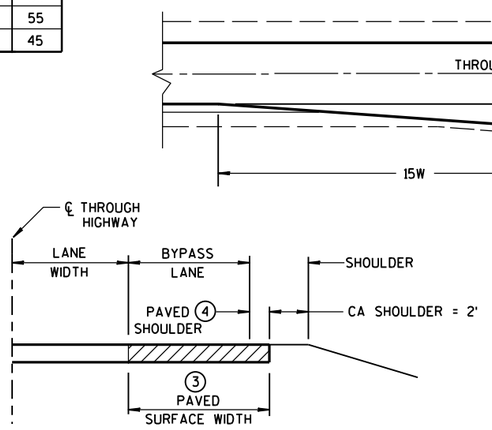
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

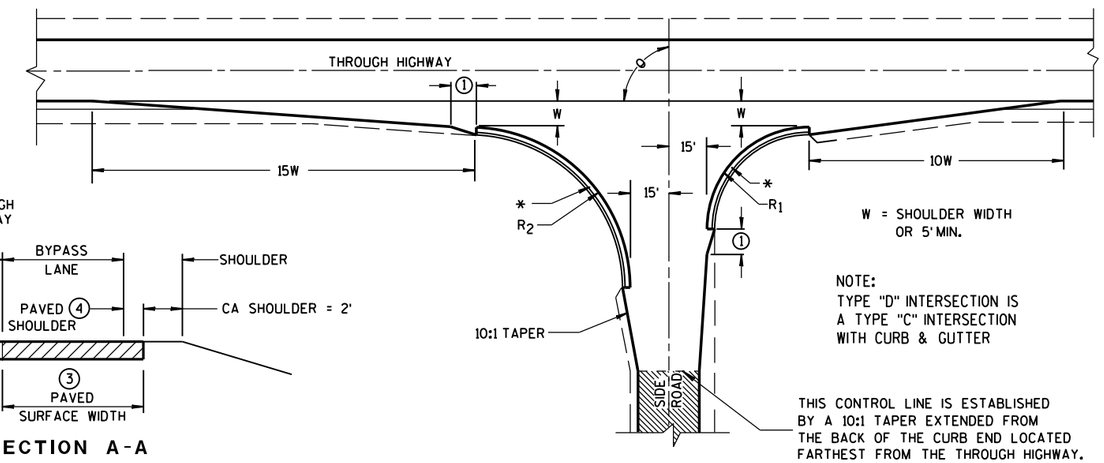
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

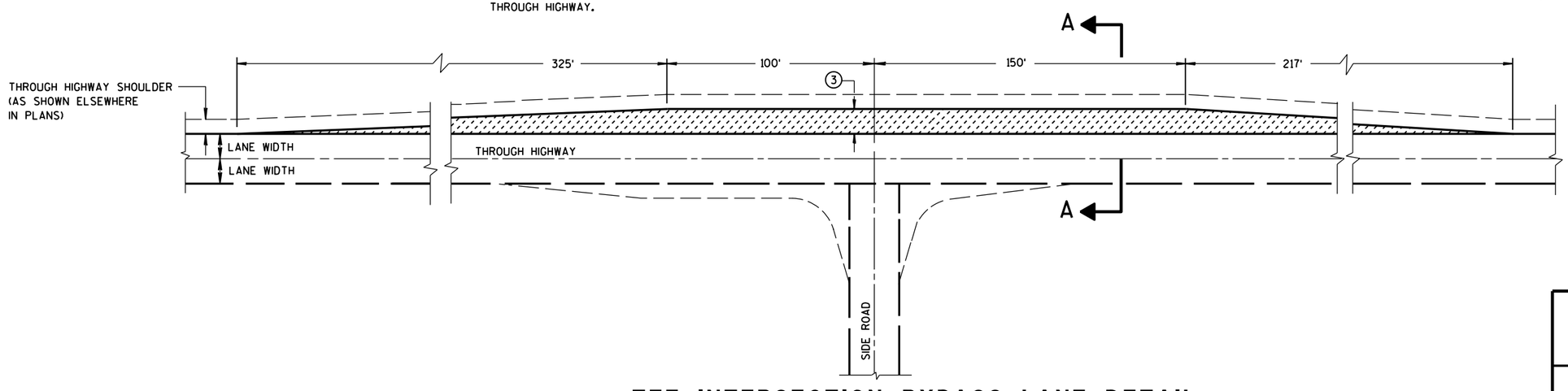
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



TYPE "D"



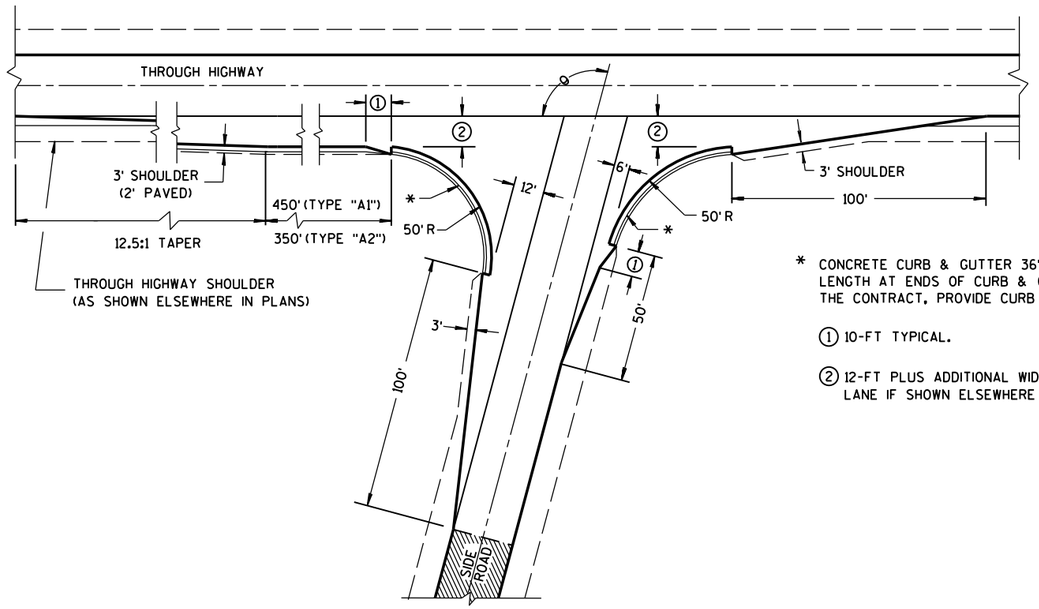
TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

S.D.D. 9 A 1-13a



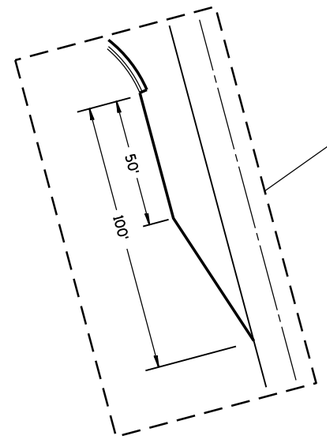
θ = MORE THAN 80°

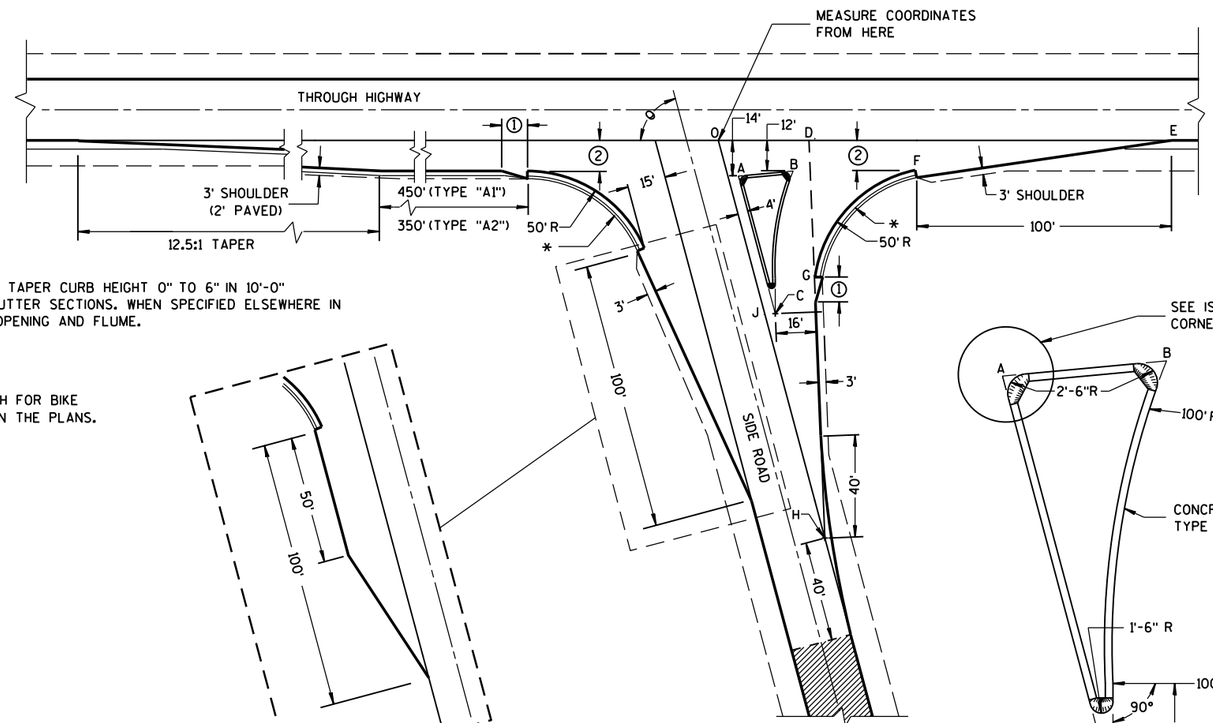
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

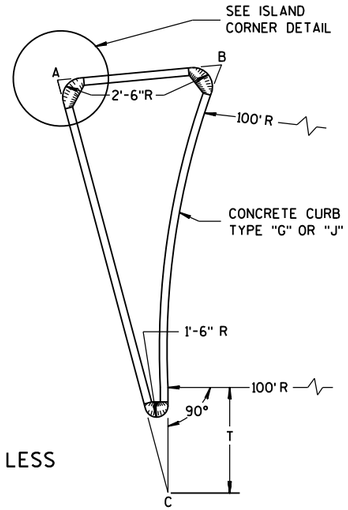
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.

EXISTING PAVED SURFACE





θ = ACUTE ANGLES 80° OR LESS

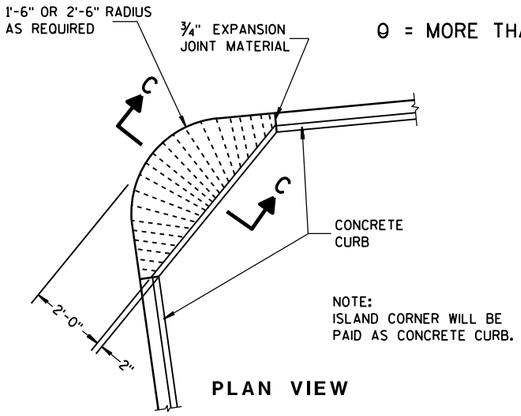


SIDE ROAD WIDENING AND TAPER REQUIRED WHERE THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS

TABLE OF DIMENSIONS FOR
VARIABLE SIDE ROAD INTERSECTION ANGLES
(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

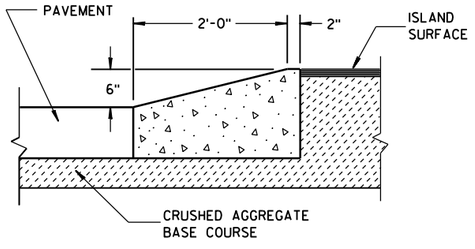
ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS



NOTE:
ISLAND CORNER WILL BE PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

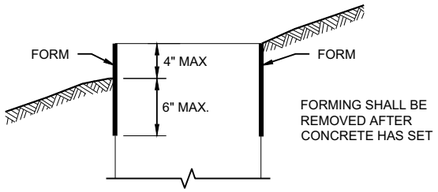
AT-GRADE SIDE ROAD
INTERSECTION, TYPE "A1" & "A2"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 9 A 1-13b

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.

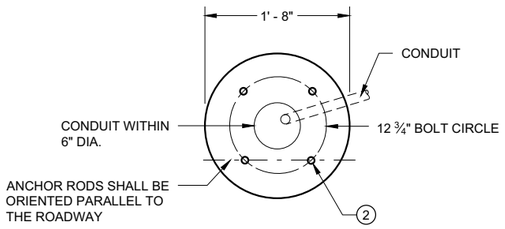
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

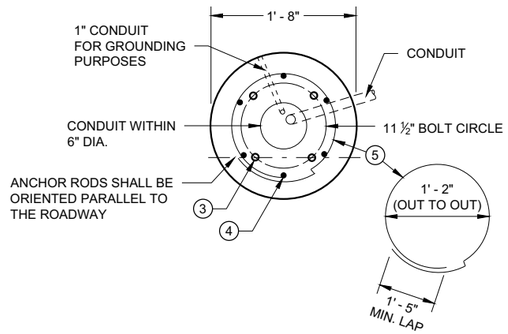
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

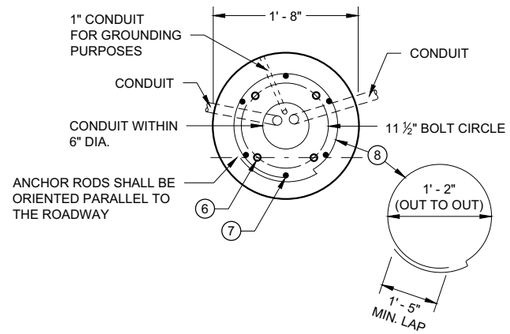
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

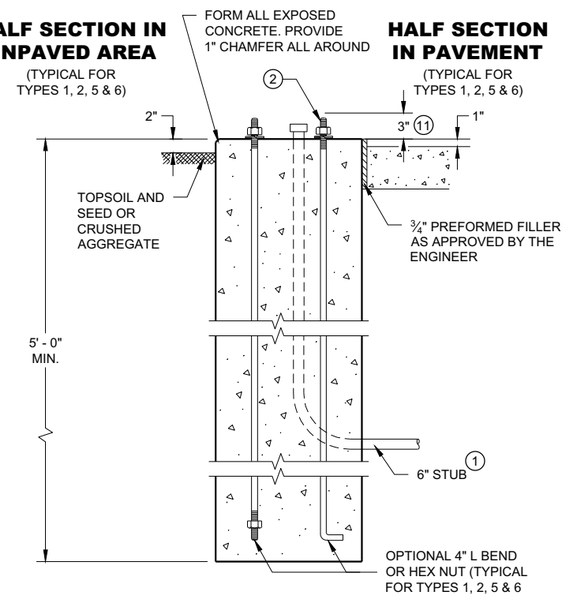
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

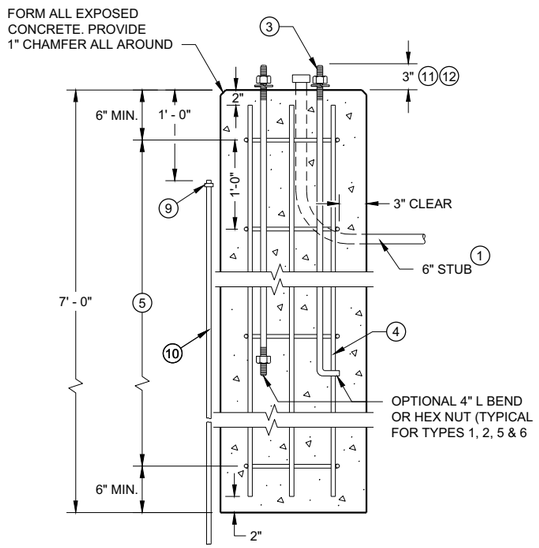
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

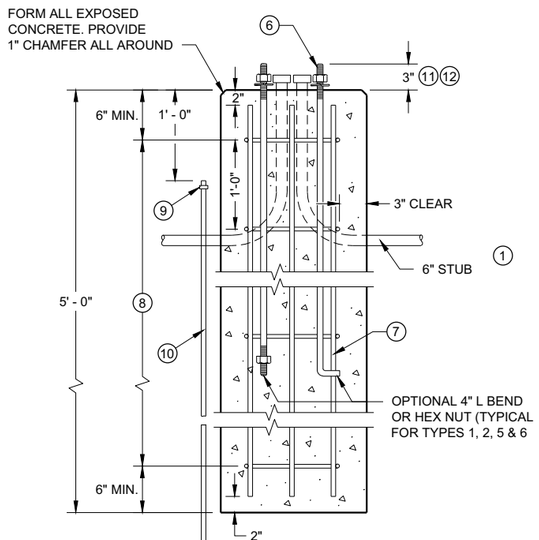
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



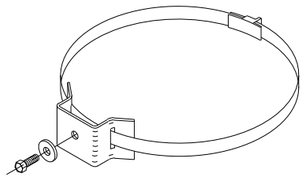
TYPE 5 & 6

CONCRETE BASES

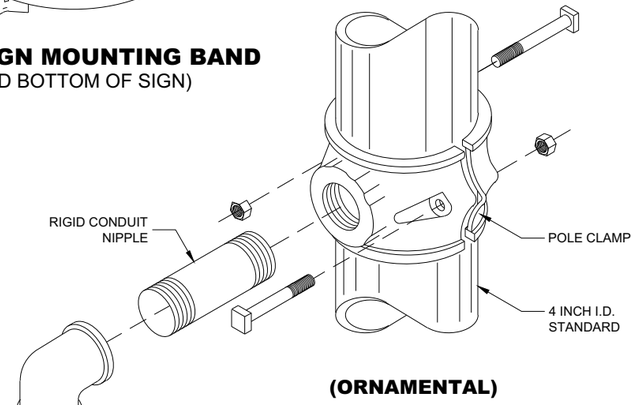
CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

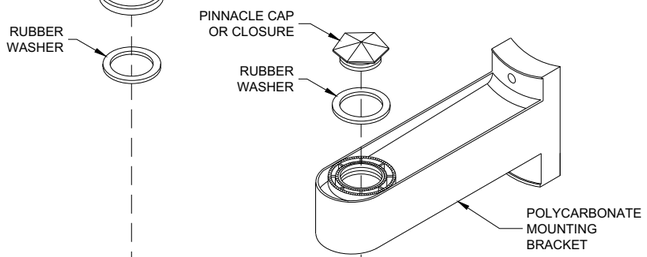
APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 174
FHWA



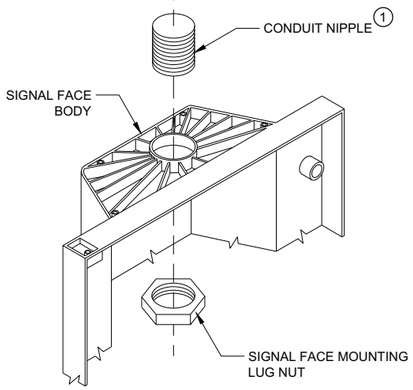
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



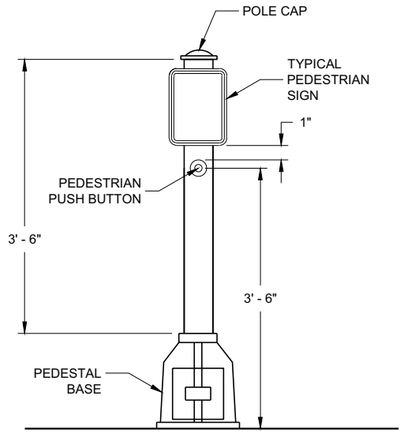
(ORNAMENTAL)



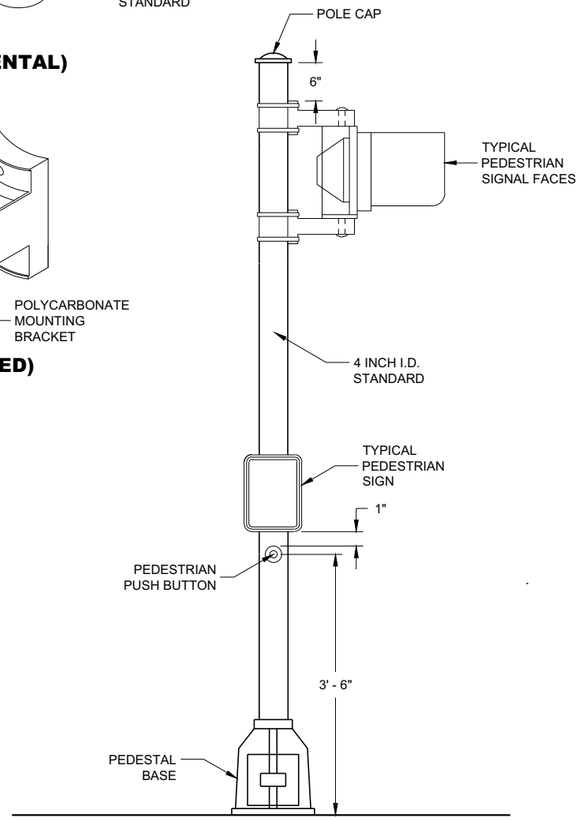
(BANDED)



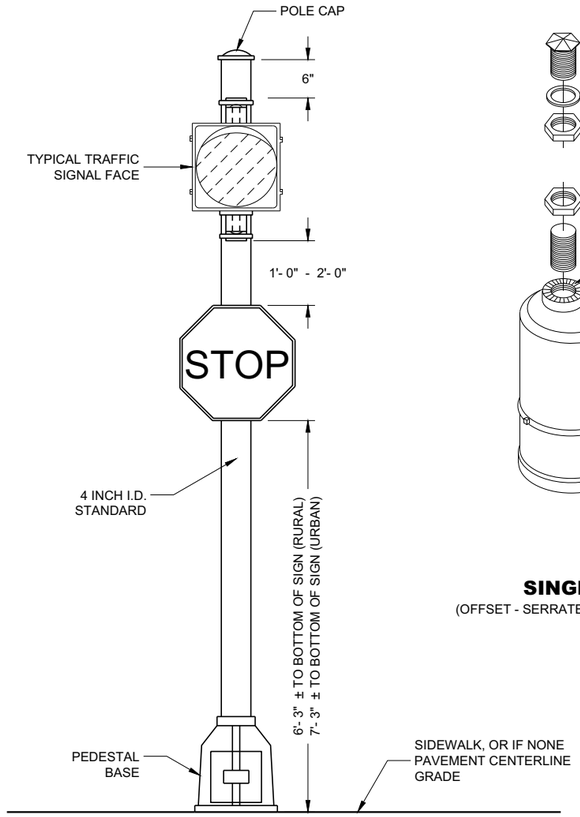
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

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.

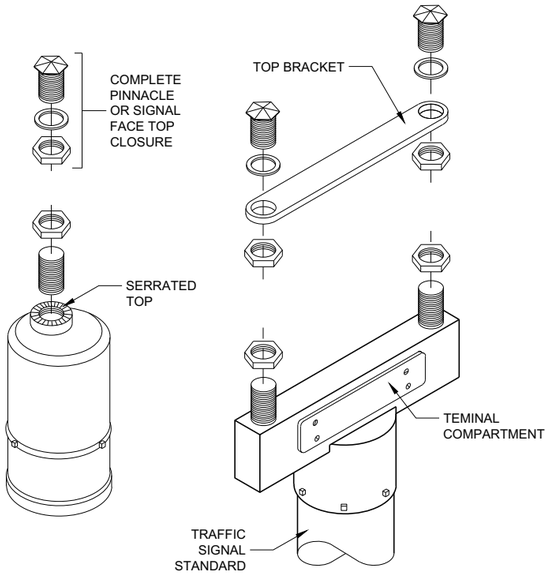
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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.



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

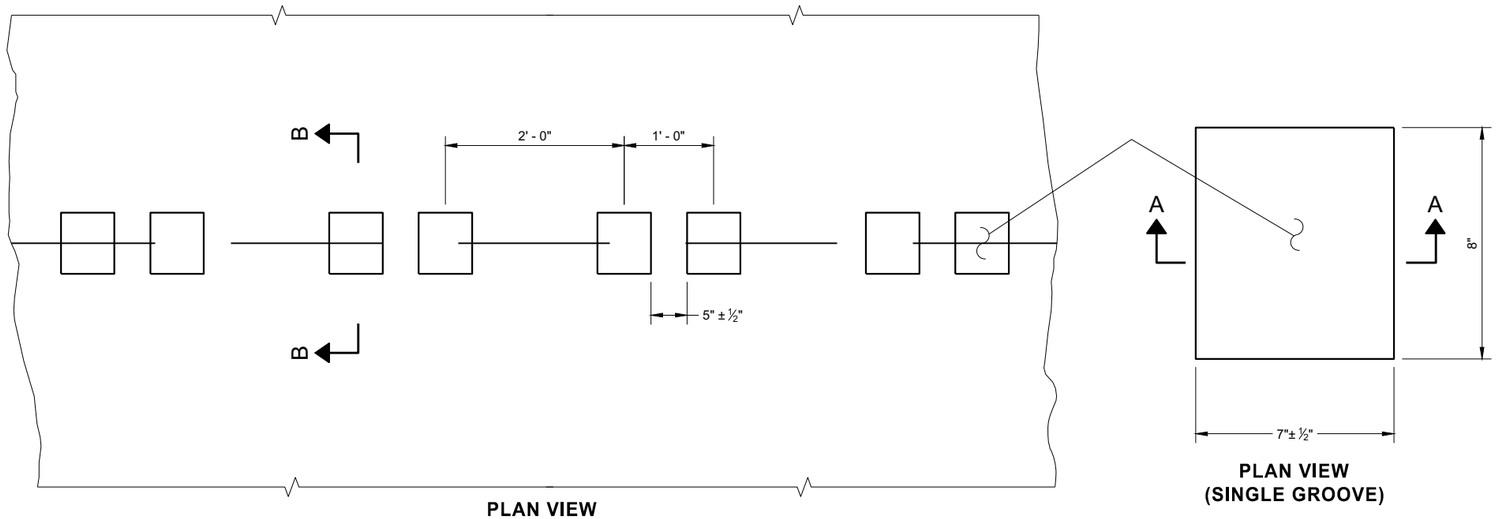
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

175

FHWA

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SDD 09E07 - 06



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

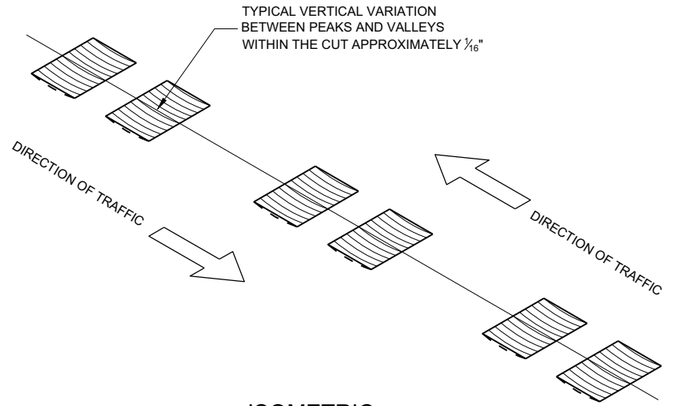
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

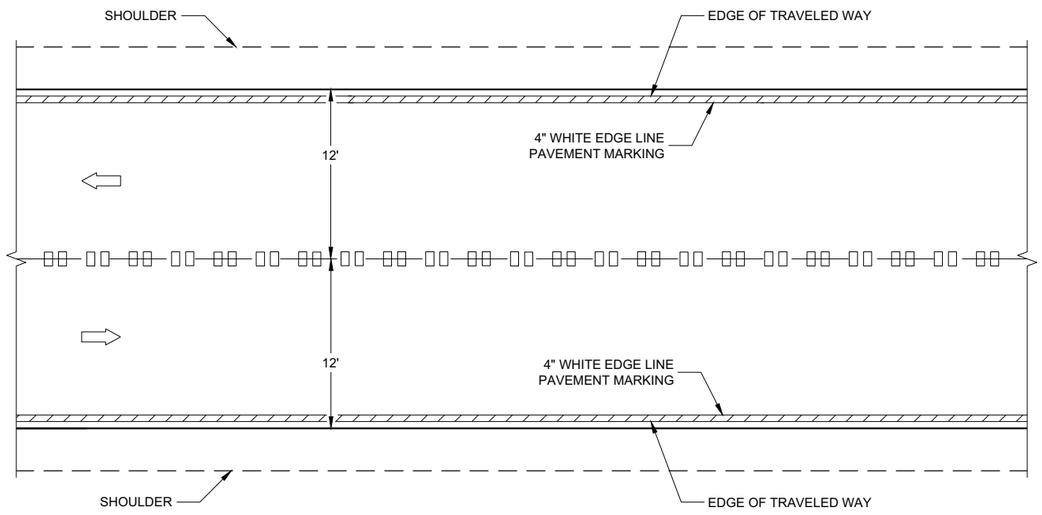
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

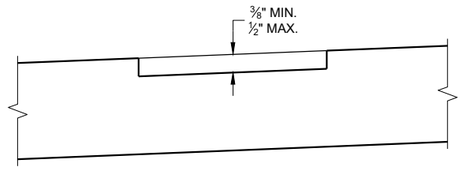
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



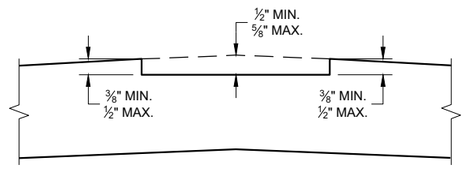
ISOMETRIC



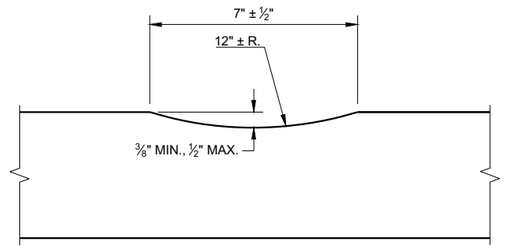
CENTERLINE GROOVES ON TWO-WAY ROADWAYS



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



SECTION A - A

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

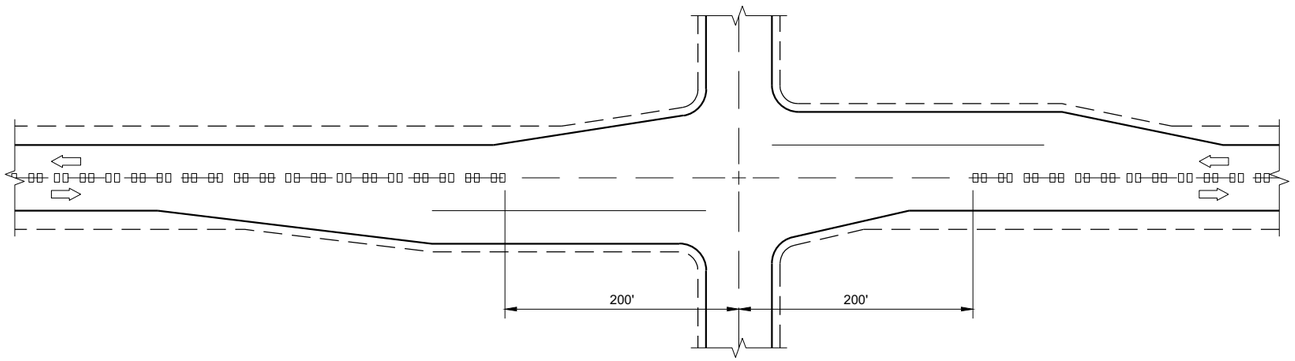
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

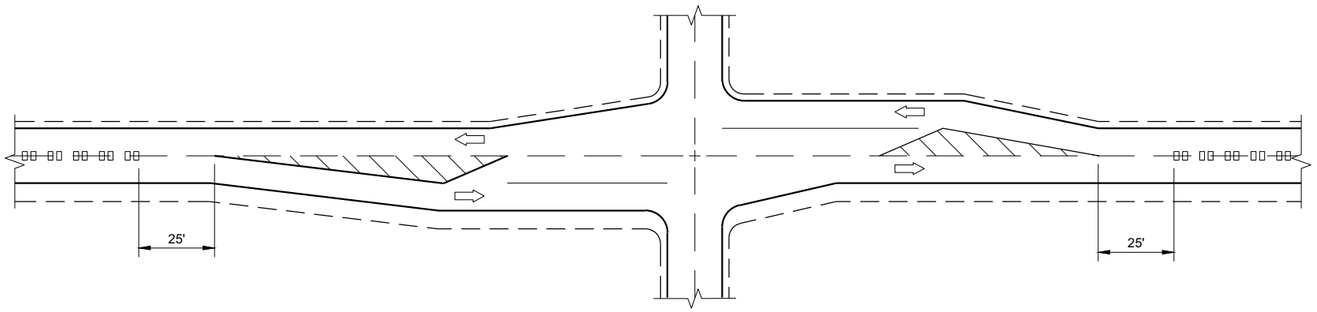
SDD 13A11 - 03a

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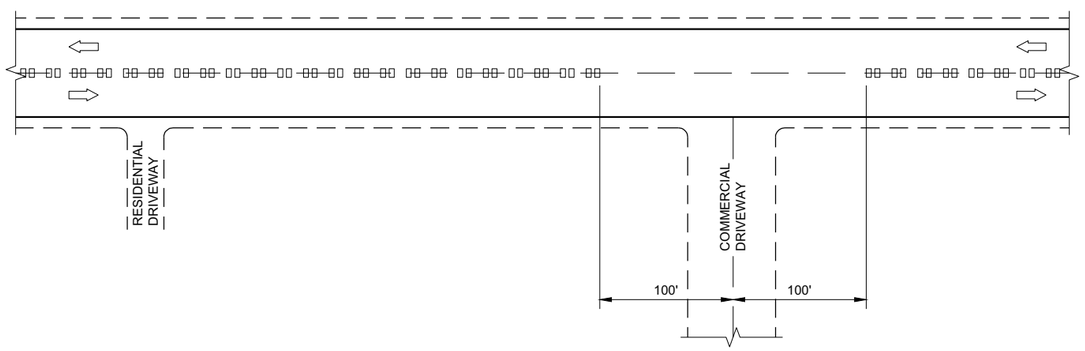
SDD 13A11 - 03a



CENTERLINE GROOVES AT INTERSECTIONS



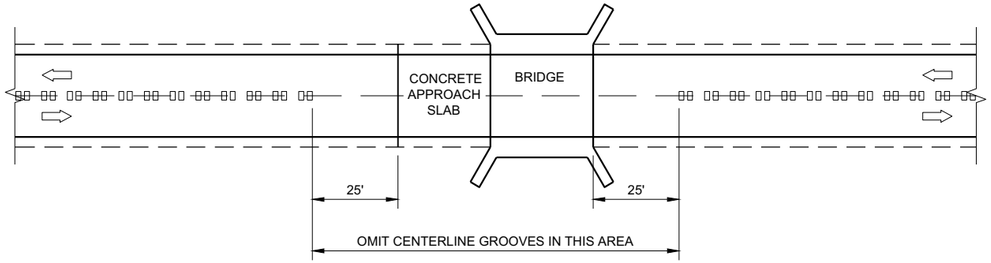
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



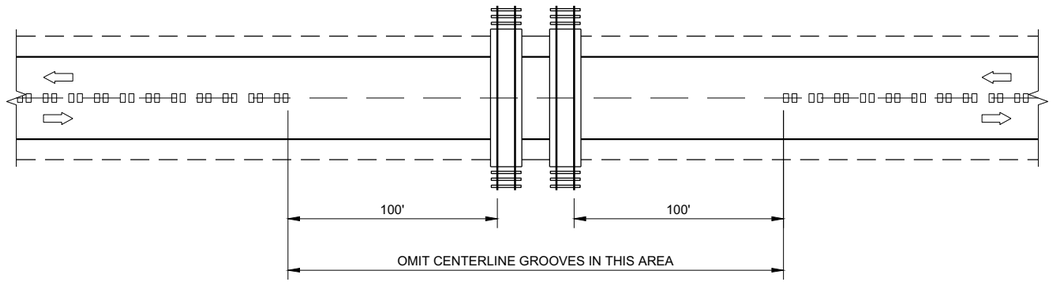
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

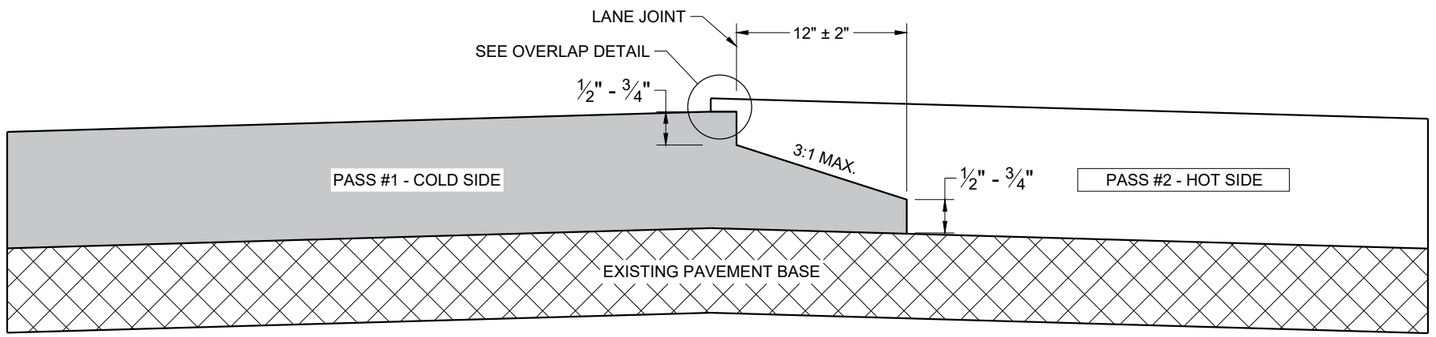
2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

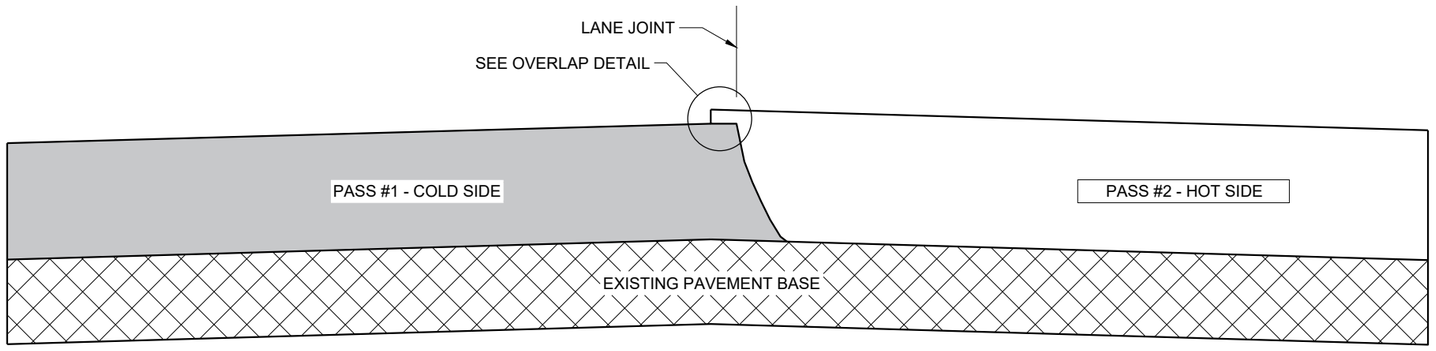
APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

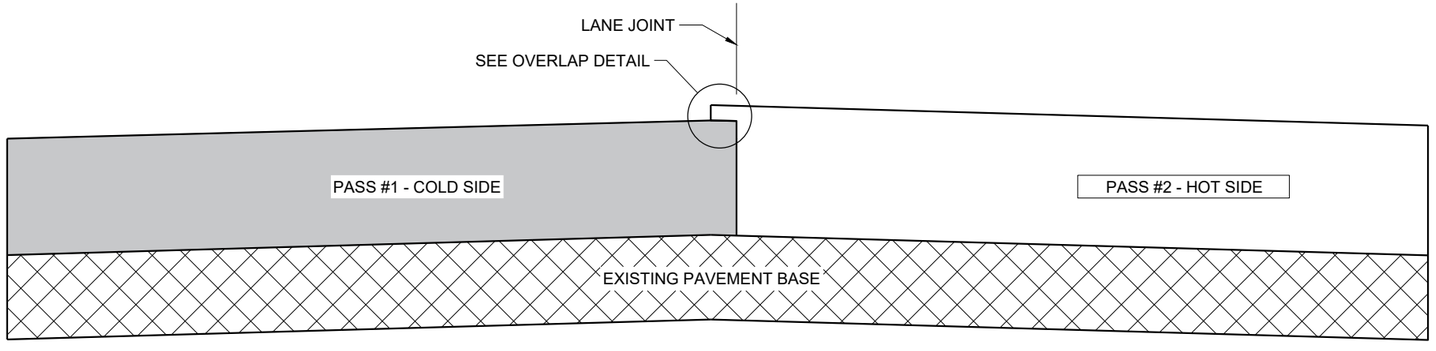
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SDD13A11 - 03b



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

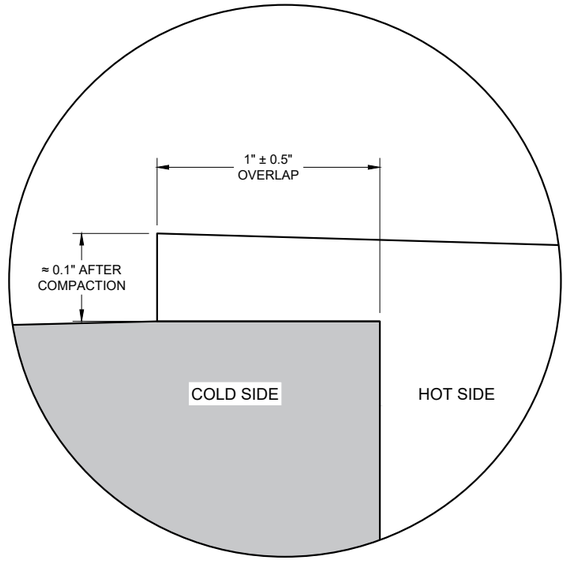
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA

GENERAL NOTES

(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

(2) USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.

(3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.

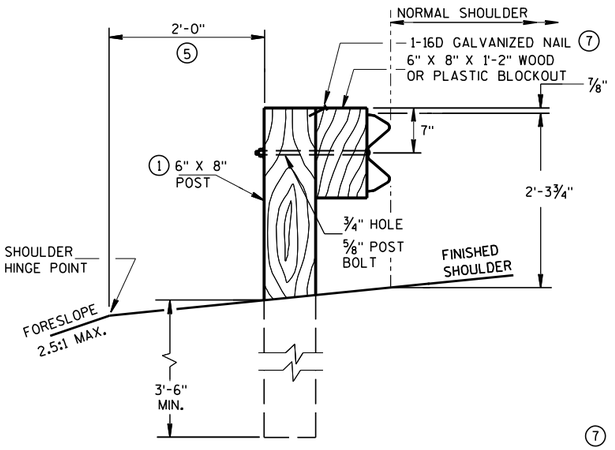
(5) IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).

(6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.

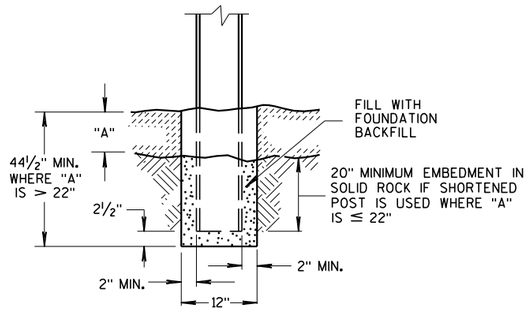
(7) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

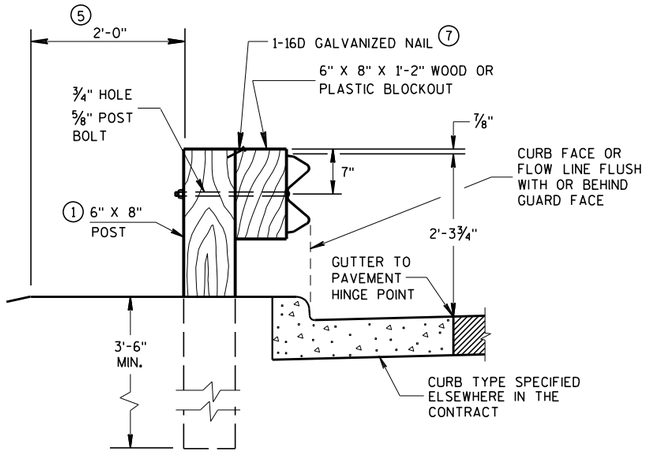
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



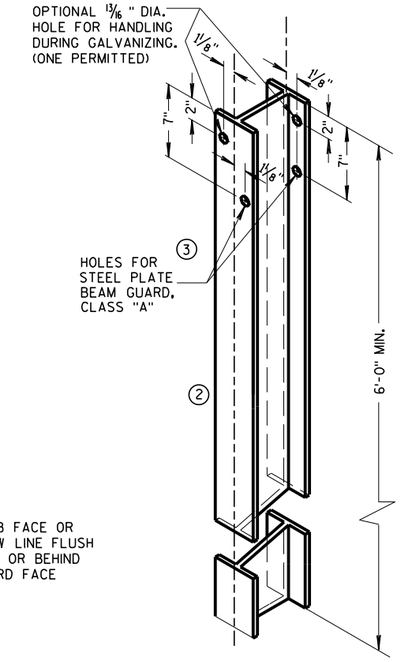
END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



END VIEW
SETTING STEEL OR WOOD POST IN ROCK (6)

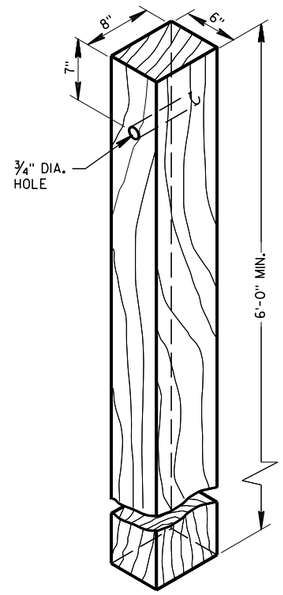


END VIEW
LOCATED ALONG A CURBED ROADWAY

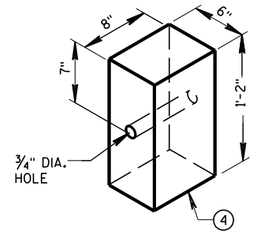


STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) (1)

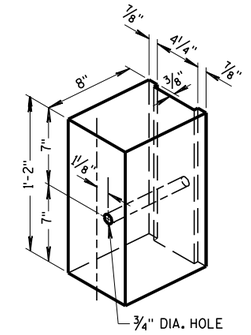
ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



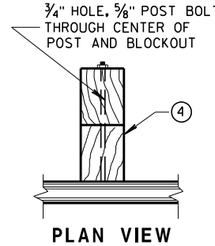
WOOD POST
(6"X8") NOMINAL



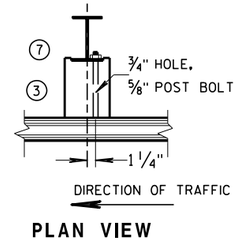
WOOD OR PLASTIC
BLOCKOUT FOR
WOOD POSTS



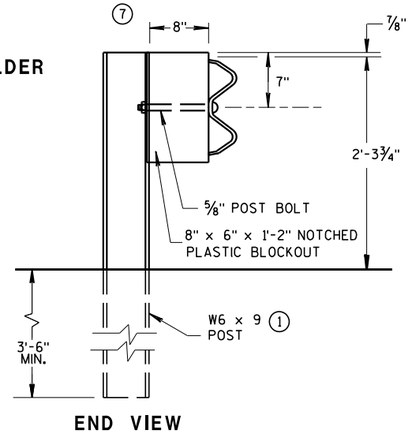
TYPICAL NOTCHED
PLASTIC BLOCKOUT
FOR STEEL POSTS (1)



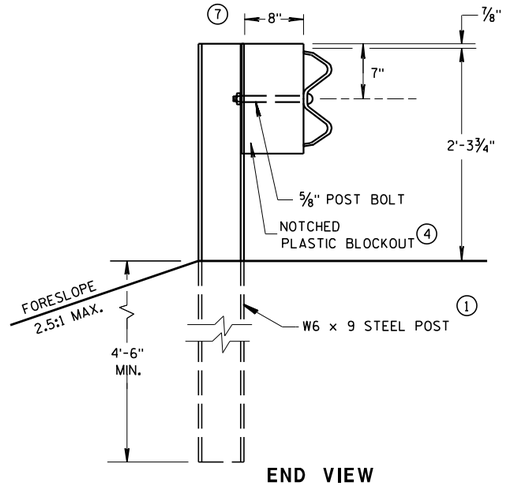
PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



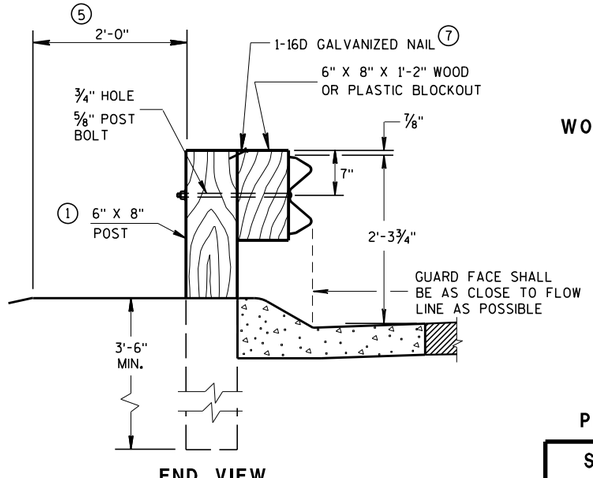
PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM



END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE
STANDARD INSTALLATION



END VIEW
LONGER POST AT HALF
POST SPACING W BEAM
(LHW)



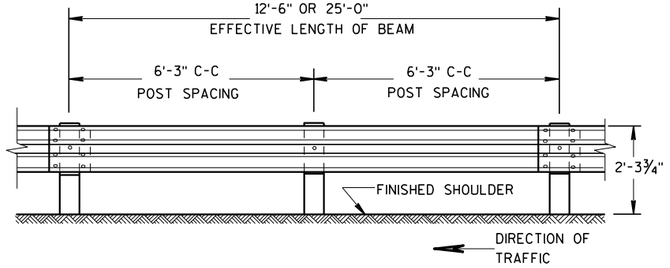
END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY

TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

STEEL PLATE BEAM GUARD,
CLASS "A"
INSTALLATION & ELEMENTS

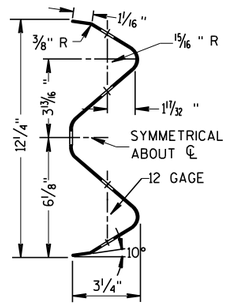
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 15-11a

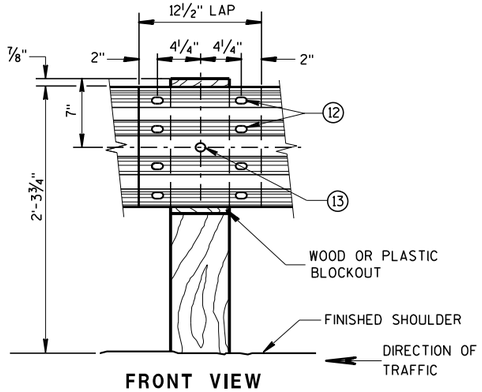


FRONT VIEW

POST SPACING STANDARD INSTALLATION



SECTION THRU W BEAM



FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

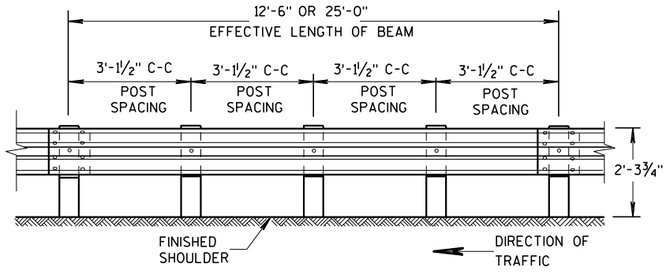
GENERAL NOTES

FURNISH GUARDRAIL DEFLECTORS FROM APPROVED PRODUCTS LIST.

(9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINA. START REFLECTORS AT POST #9 AND SPACE EVENLY EVERY 100 FEET (MAX.) TO THE END OF GUARDRAIL RUN, USING A MINIMUM OF 3 REFLECTORS.

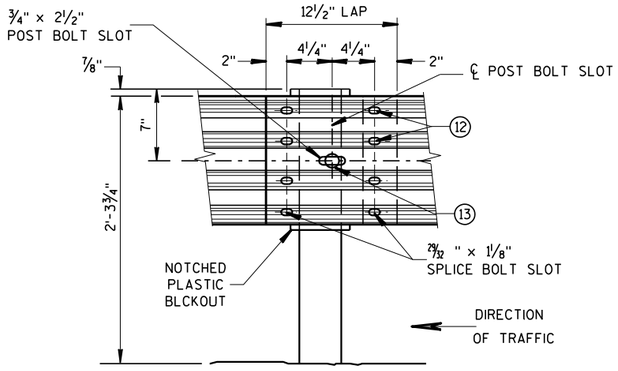
(12) 8 -5/8" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.

(13) 5/8" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH 5/8" DIA. F844 FLAT WASHER UNDER NUT.



FRONT VIEW

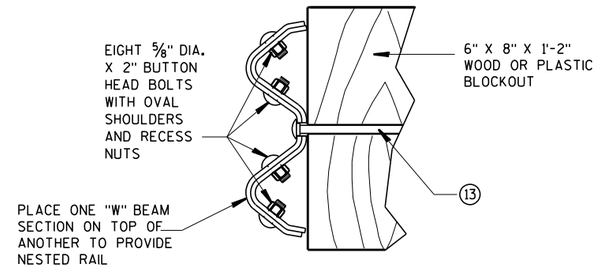
POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW

BEAM SPLICE AT STEEL POST

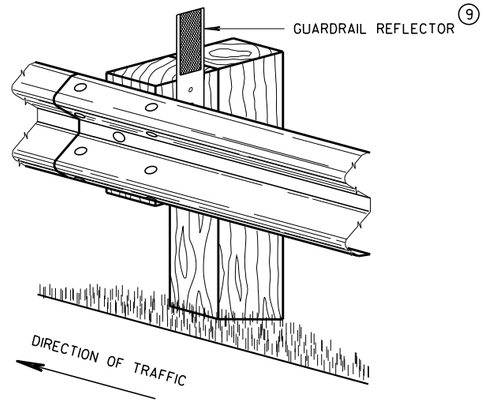
TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



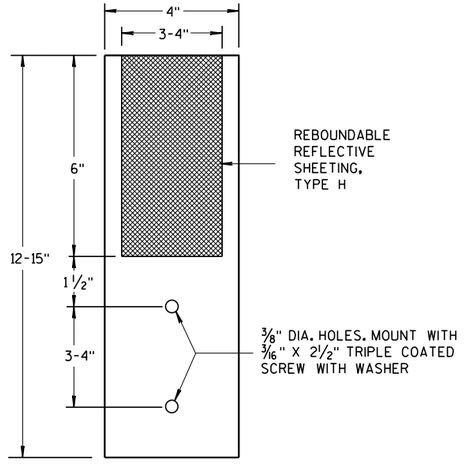
NESTED W BEAM (NW)

USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

* USE DOUBLE SIDED WHITE GUADRAIL REFLECTORS ON ROADWAYS WITH BI-DIRECTIONAL TRAFFIC (NO MEDIAN). USE SINGLE SIDED WHITE (RIGHT SIDE) AND SINGLE SIDED YELLOW (LEFT SIDE) ON ROADWAYS WITH MEDIAN SEPARATION.



4" X 12" GUARDRAIL REFLECTOR DETAIL AND TYPICAL INSTALLATION *



4"x 12" GUARDRAIL REFLECTOR

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

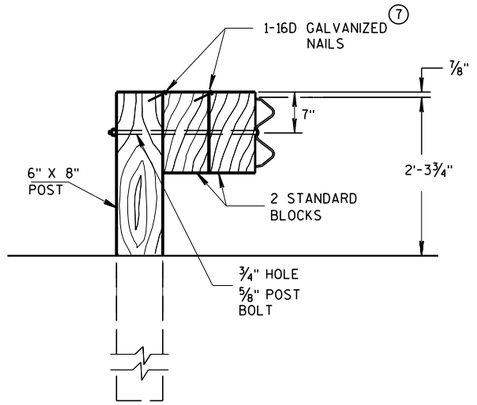
STATE OF WISCO 180
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 15-11b

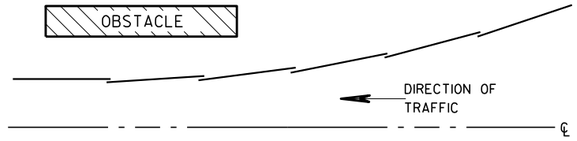
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S.D.D. 14 B 15-11b

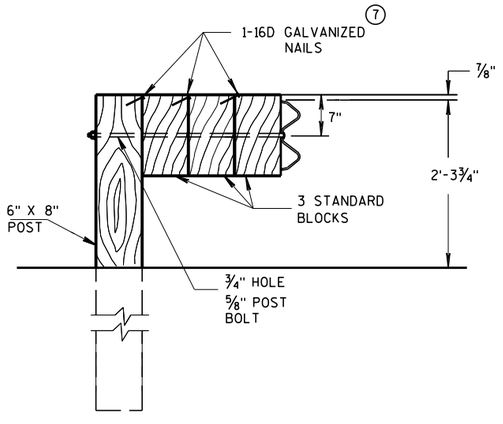


DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

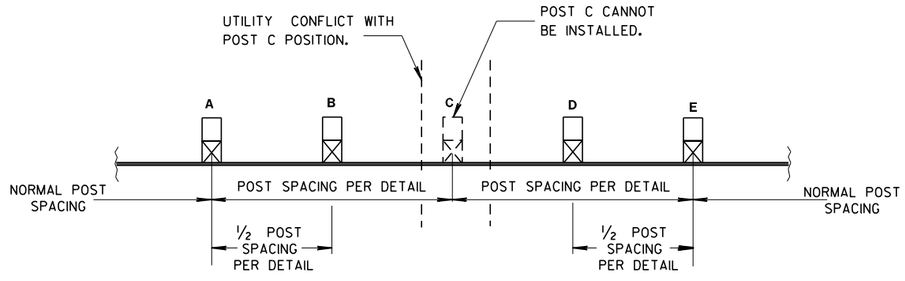


PLAN VIEW
BEAM LAPPING DETAIL



DETAIL FOR TRIPLE BLOCKS

TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA 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.

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6
S.D.D. 14 B 15-11c

BILL OF MATERIALS

NOTE NO.	DESCRIPTION
①	WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9"
②	STEEL TUBE TS 8" X 6" X 0.188", 6'-0"
④	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	WOOD OFFSET BLOCKS: 6' X 8" X 1'-2"
⑥	PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE
⑦	BEARING PLATE
⑧	BCT CABLE ASSEMBLY
⑨	CABLE ANCHOR BOX
⑩	STRUT & YOKE
⑪	STEEL PLATE BEAM, END PANEL 12 GA.
⑫	STEEL PLATE BEAM: 12 GA. 13'-6½"
⑬	IMPACT HEAD
⑭	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS

GENERAL NOTES

FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS.

(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.

(D) THE TOP OF THE STEEL TUBE ON POSTS 1 AND 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

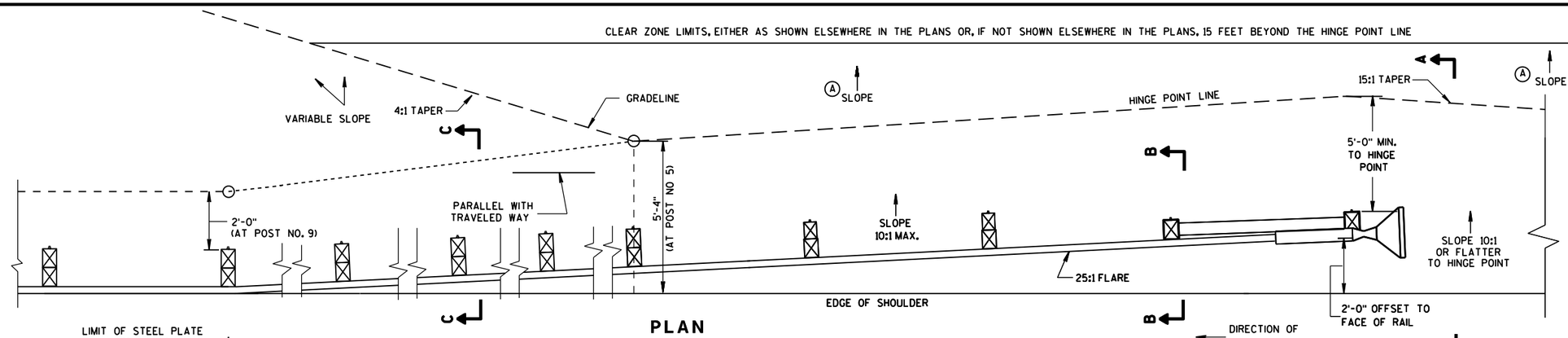
(E) THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST 3 THROUGH 8 SHALL BE ¾" ABOVE THE FINISHED GROUND LINE.

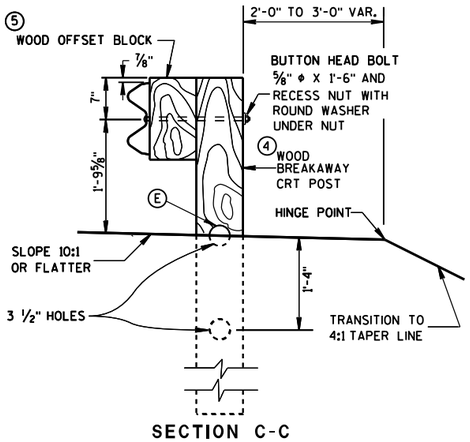
(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

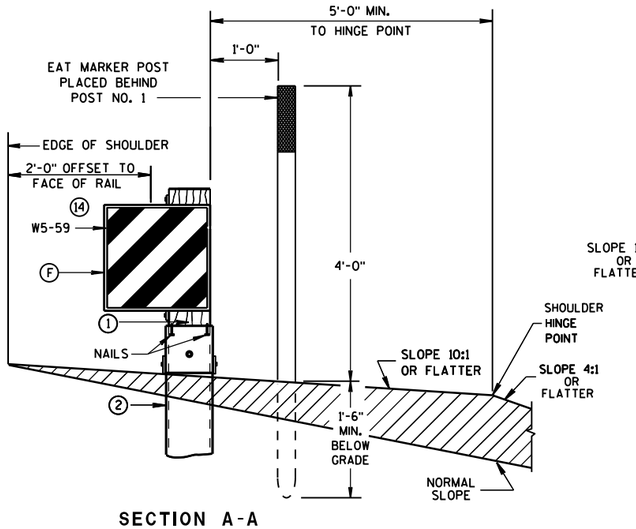
STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

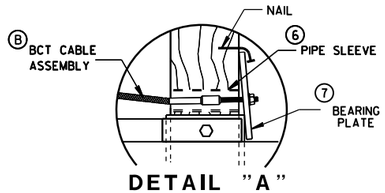
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

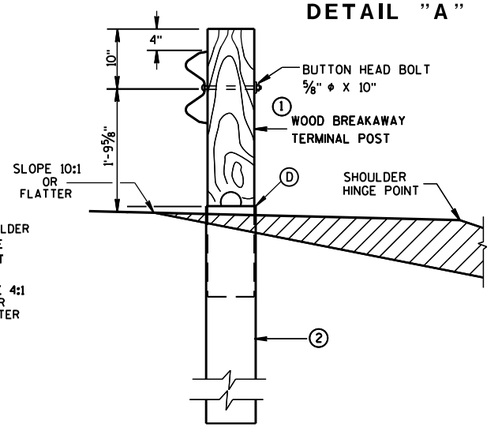
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

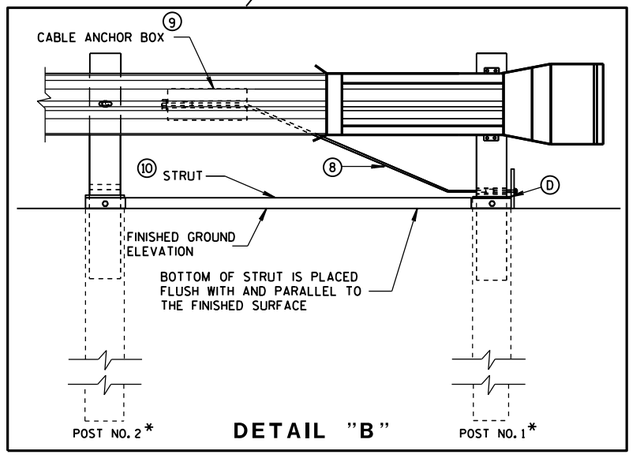










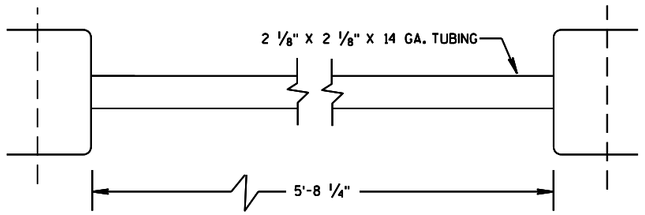


STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

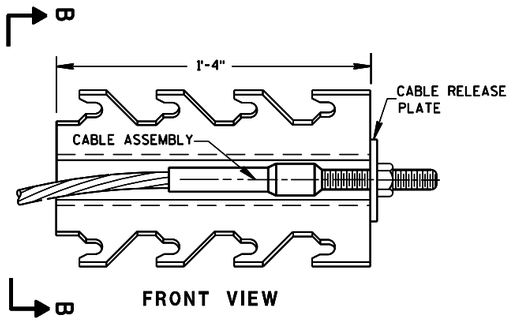
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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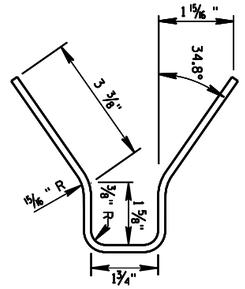
S.D.D. 14 B 24-9a



⑩ STRUT DETAIL

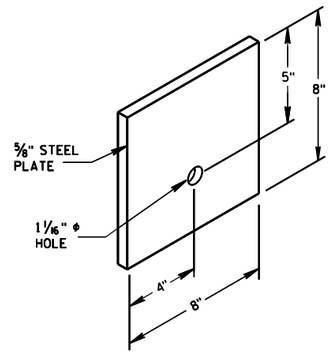


FRONT VIEW



SECTION B-B

⑨ CABLE ANCHOR BOX



⑦ STEEL BEARING PLATE

6

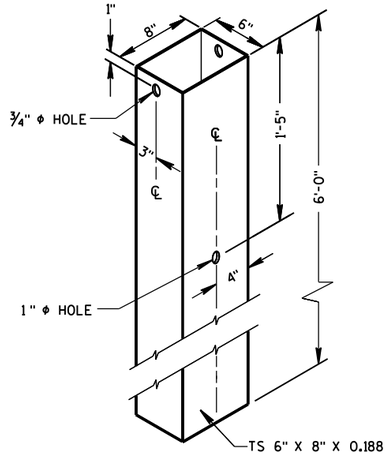
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S.D.D. 14 B 24-9b

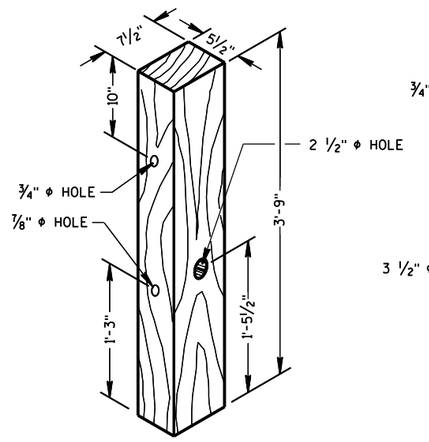
S.D.D. 14 B 24-9b

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

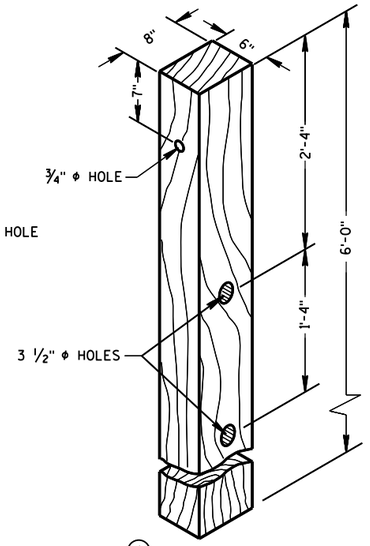
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI



② 72" STEEL TUBE
(POSTS NO. 1-2



① TERMINAL POST

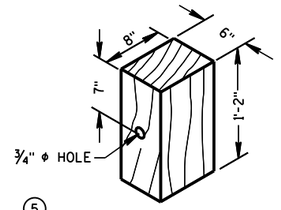


④ CRT POST
(POSTS NO'S 5-8

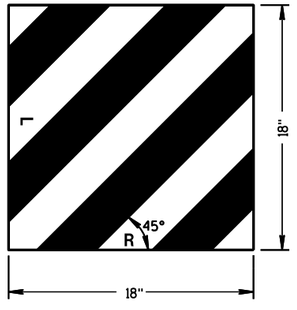
WOOD BREAKAWAY POSTS

GENERAL NOTES

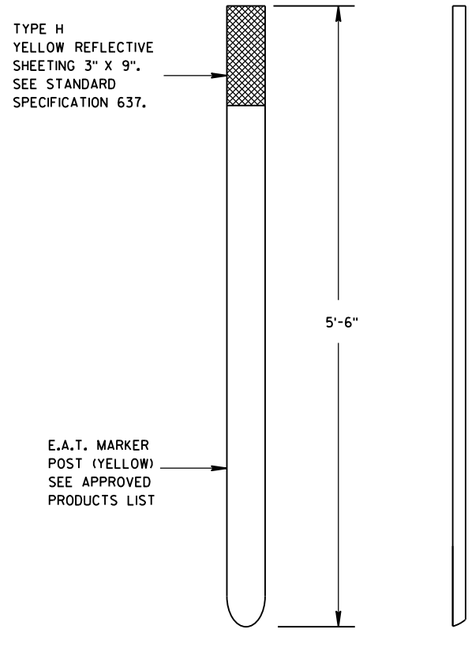
WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 ½" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.



⑤ WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



⑭ REFLECTIVE SHEETING DETAILS



E.A.T. MARKER POST

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS
UNIT SUPERV...

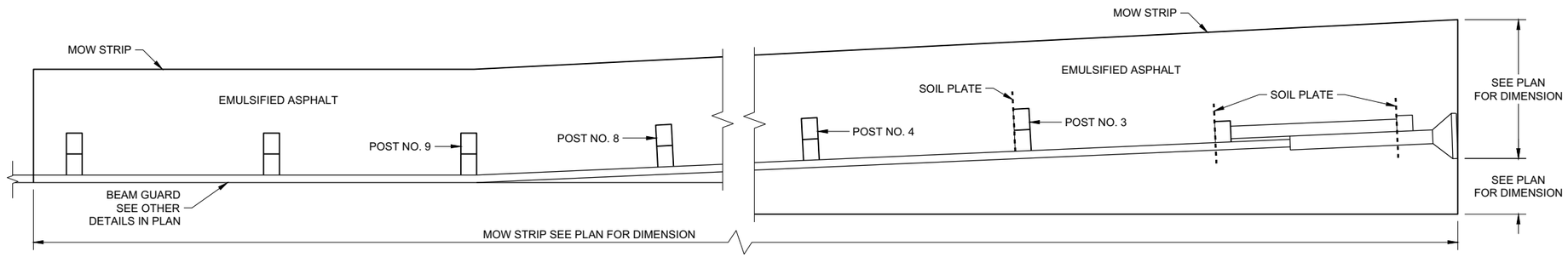
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S.D.D. 14 B 24-9c

6

S.D.D. 14 B 24-9c



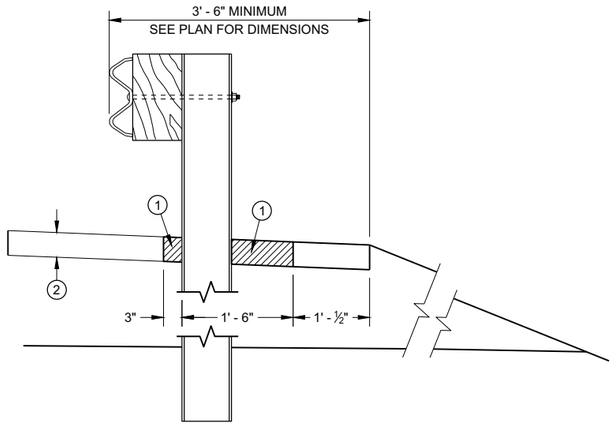
PLAN VIEW

MOW STRIP LAYOUT FOR ENERGY ABSORBING TERMINAL

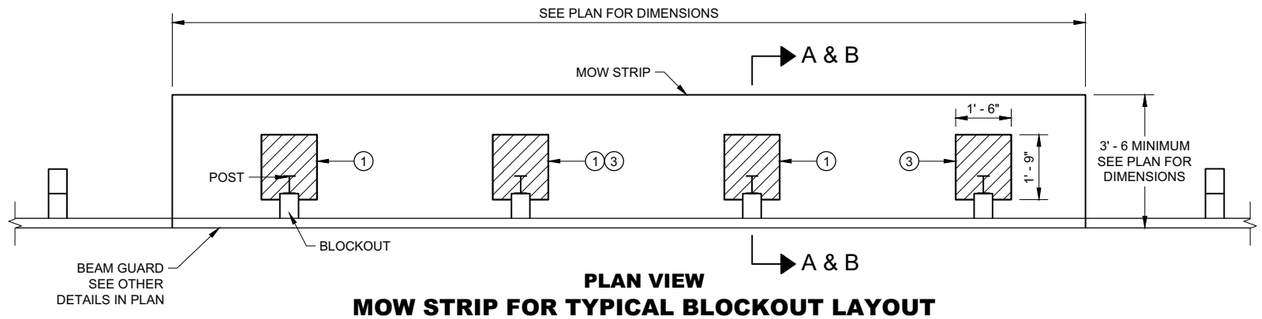
GENERAL NOTES

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)

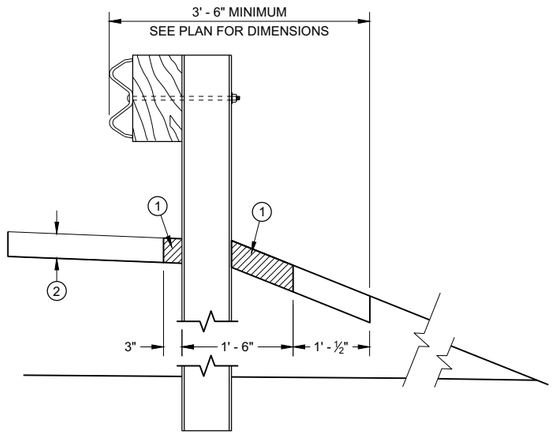


SECTION A - A

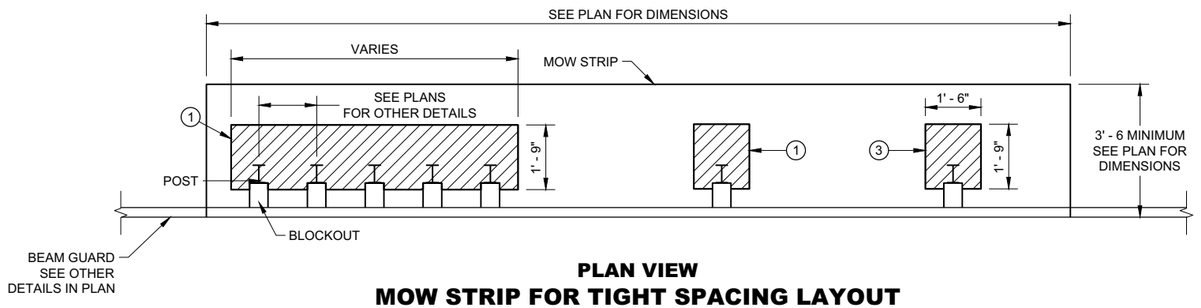


PLAN VIEW

MOW STRIP FOR TYPICAL BLOCKOUT LAYOUT

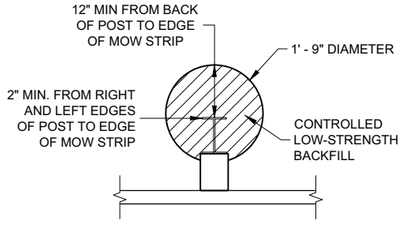


SECTION B - B

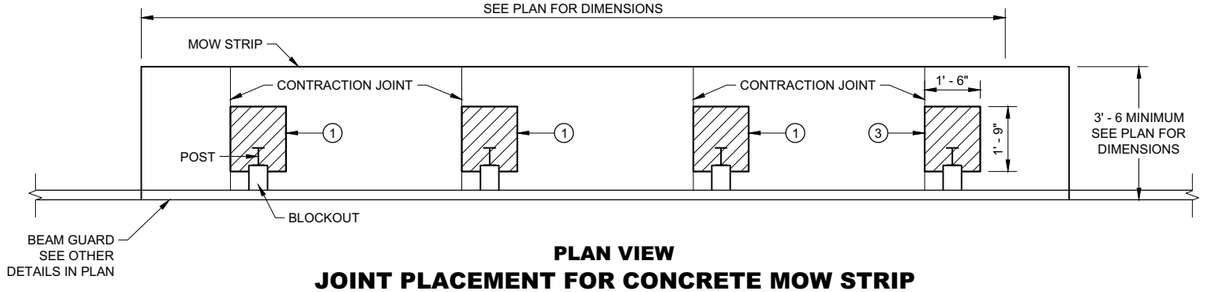


PLAN VIEW

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

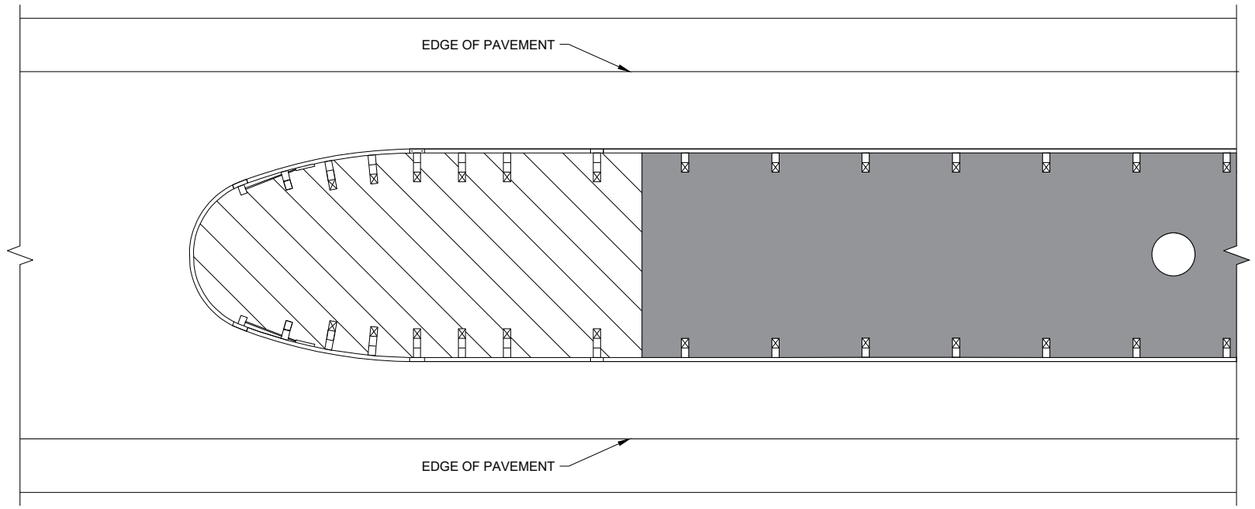
LEGEND

CONCRETE, ASPHALT, OR EMULSIFIED ASPHALT MOW STRIP (SEE OTHER DETAILS)

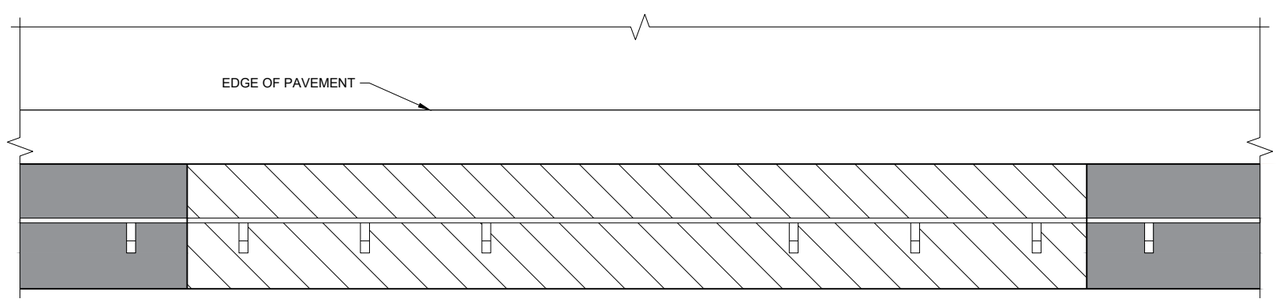
EMULSIFIED ASPHALT MOW STRIP (SEE OTHER DETAILS)

GENERAL NOTES

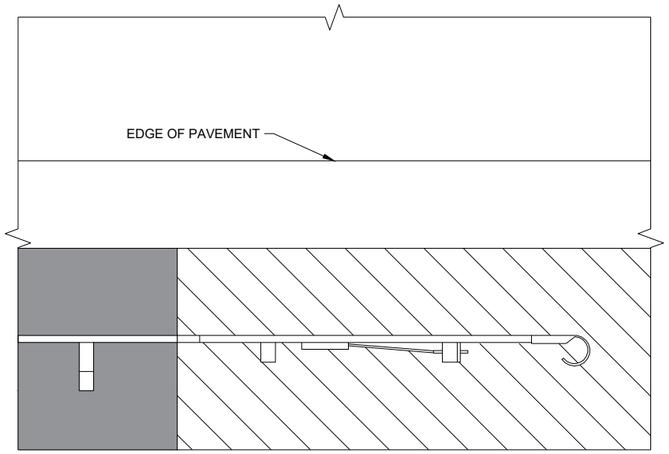
EXISTING THRIE BEAM BULLNOSES MAY HAVE WOOD POSTS. NEW THRIE BEAM BULLNOSE WILL HAVE STEEL POSTS.



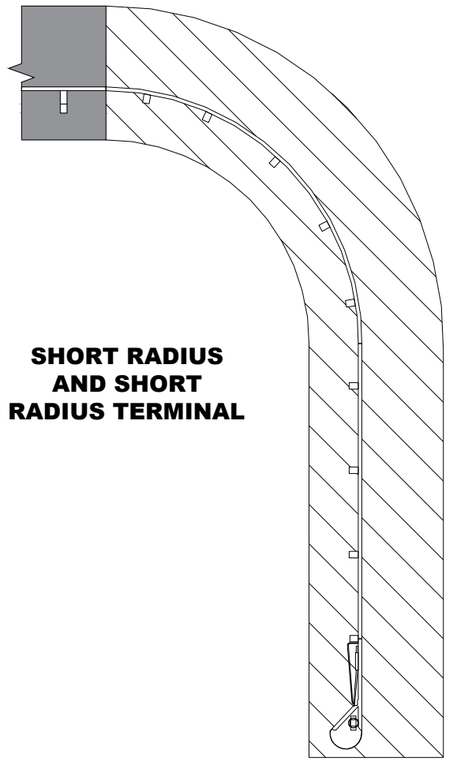
THRIE BEAM BULLNOSE



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

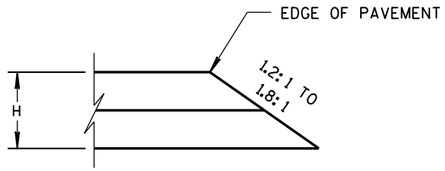
FHWA

6

SDD 14B28 - 04b

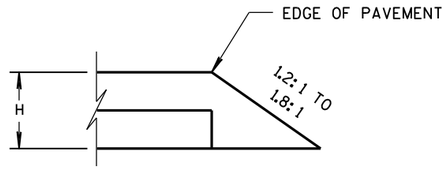
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SDD 14B28 - 04b



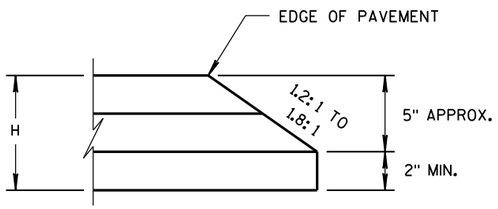
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



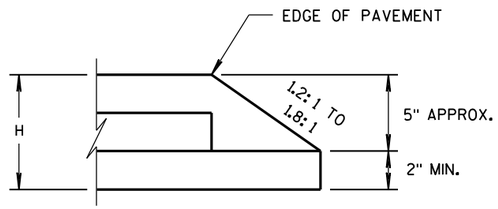
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

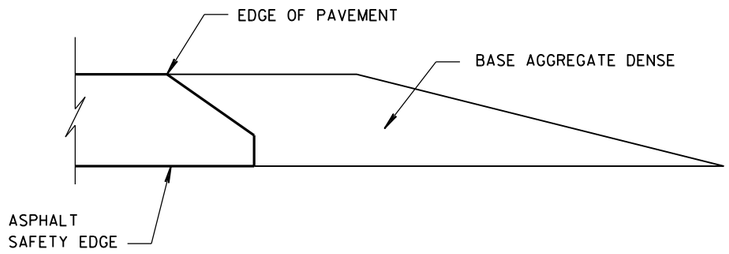
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

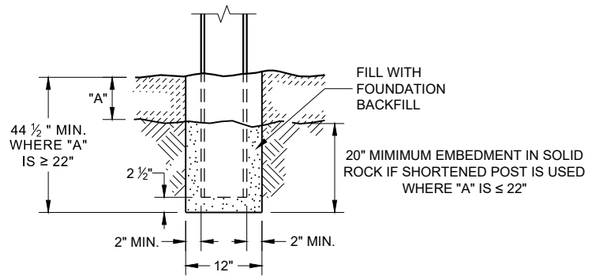
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

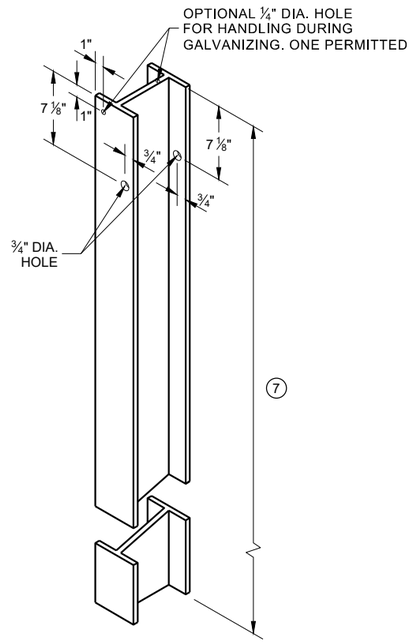
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

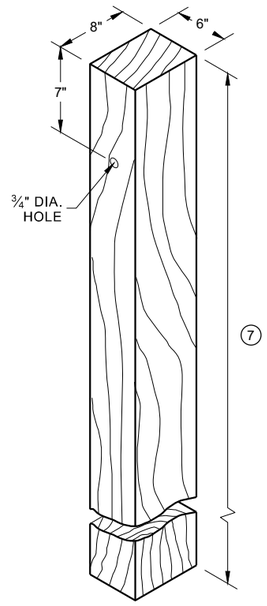
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



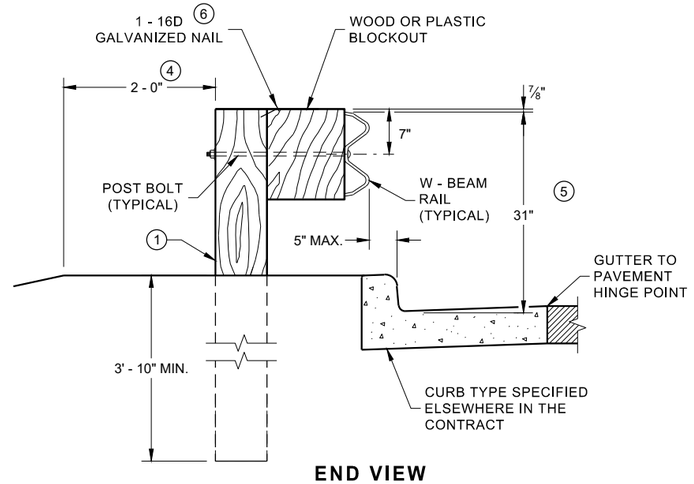
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



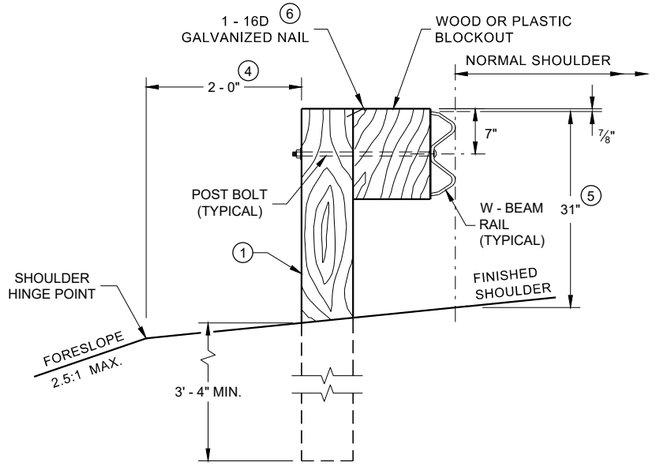
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



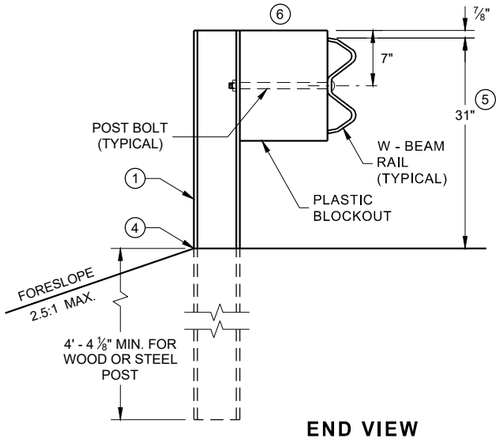
WOOD POST (6" X 8") NOMINAL (1)



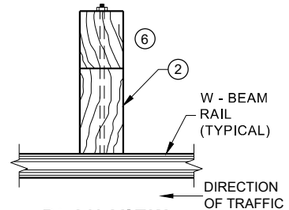
END VIEW
LOCATED ALONG A CURBED ROADWAY



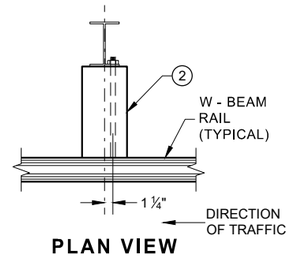
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



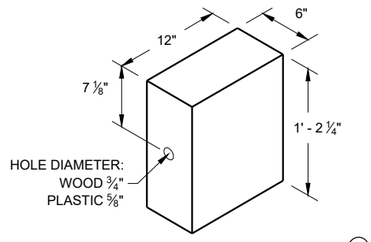
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



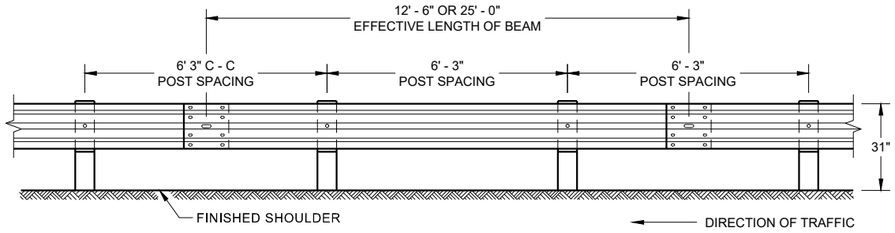
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

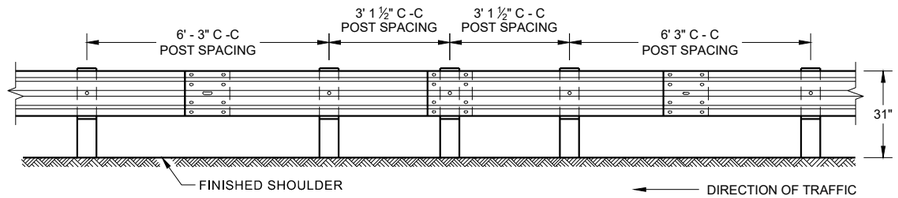
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

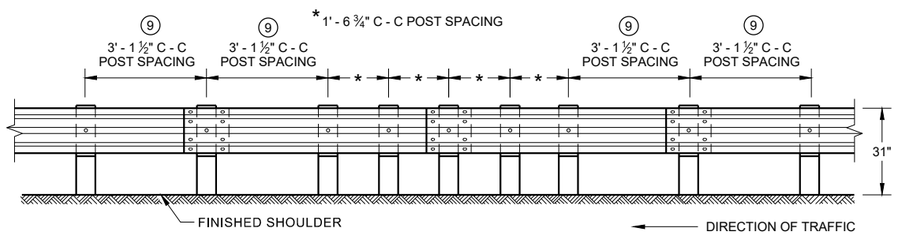
SDD 14B42 - 07a
SDD 14B42 - 07a



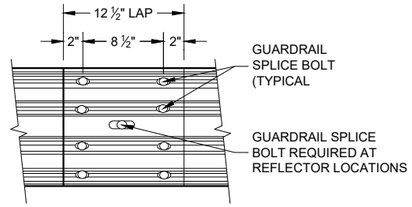
FRONT VIEW
POST SPACING STANDARD INSTALLATION



FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

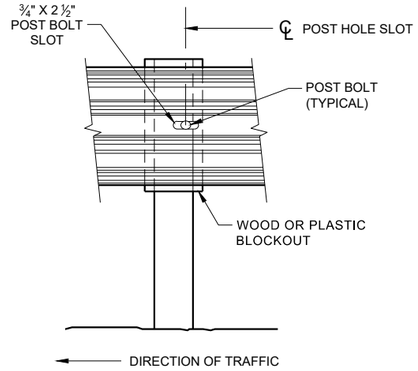
GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

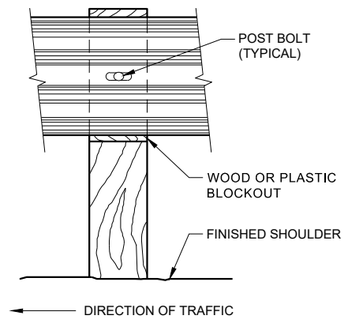
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

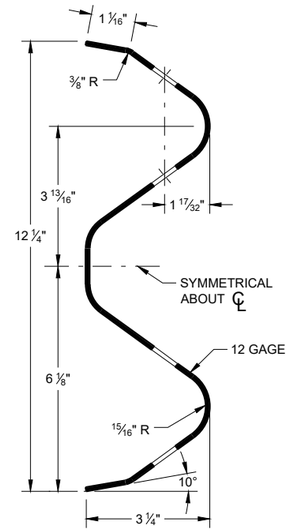
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



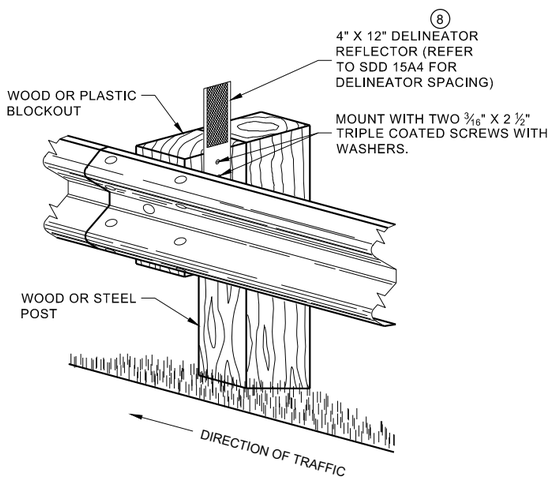
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



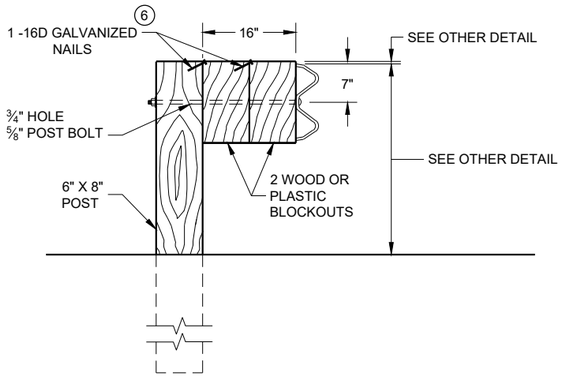
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

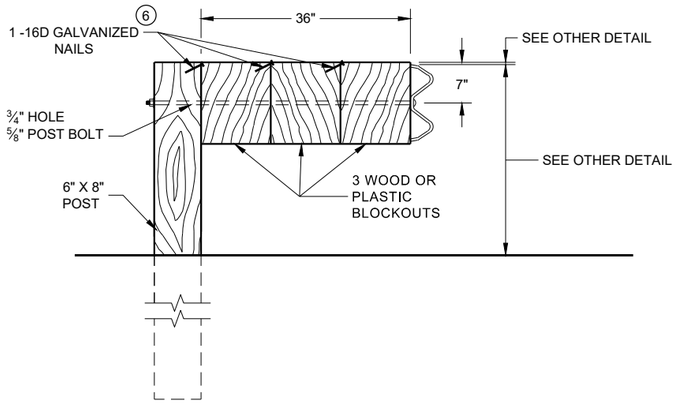
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SDD 14B42 - 07b



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.



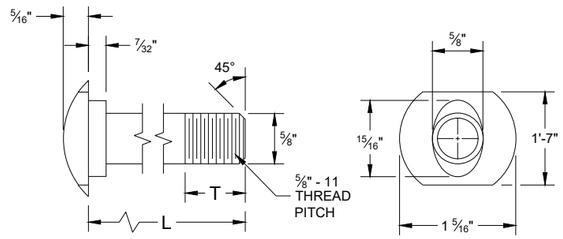
DETAIL FOR 36" BLOCKOUT DEPTH

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.

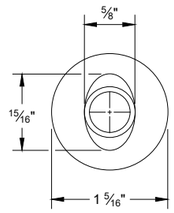
NOTE:

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.

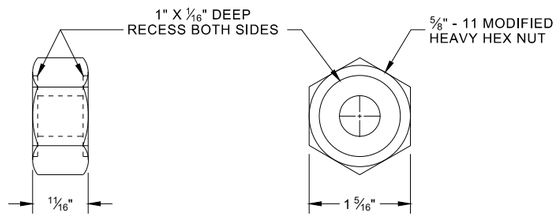


POST BOLT TABLE

L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"

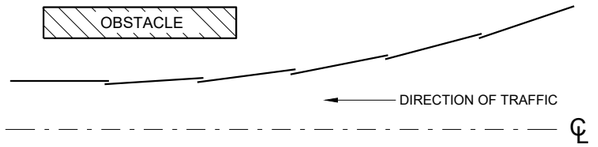


ALTERNATE BOLT HEAD

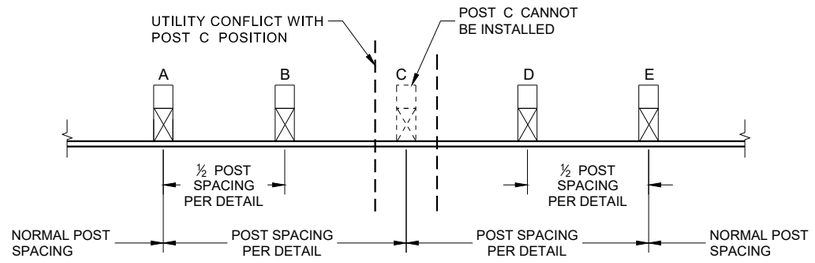


POST BOLT, SPLICE BOLT AND RECESS NUT

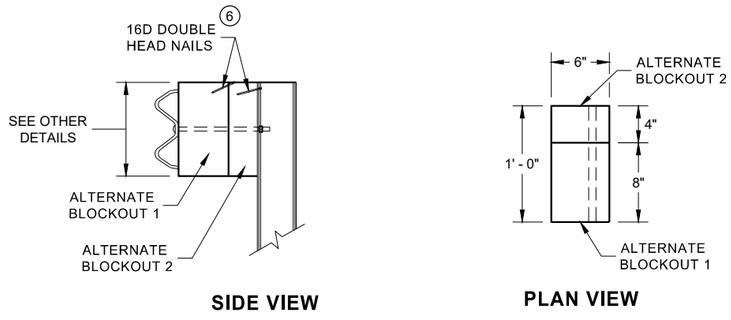
(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



PLAN VIEW
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



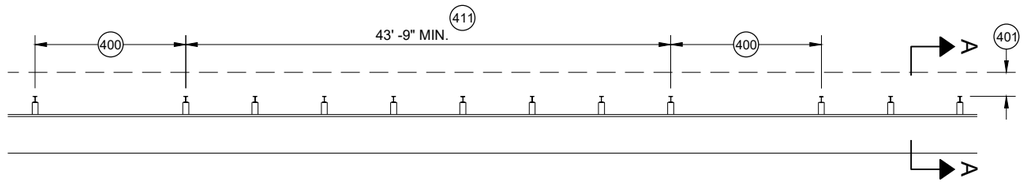
ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

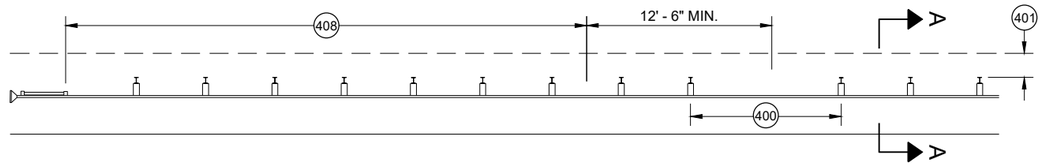
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

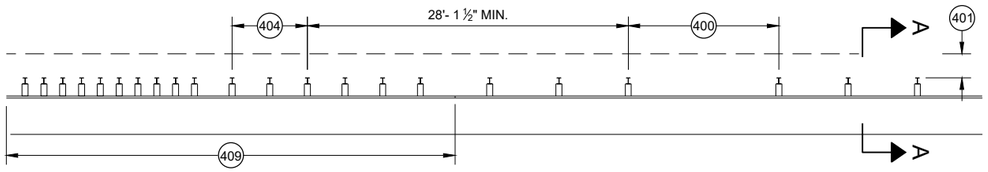
SDD 14B42 - 07c



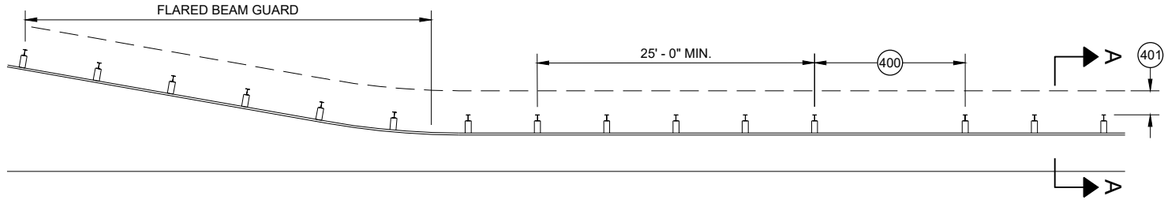
MISSING POST IN MGS GUARDRAIL



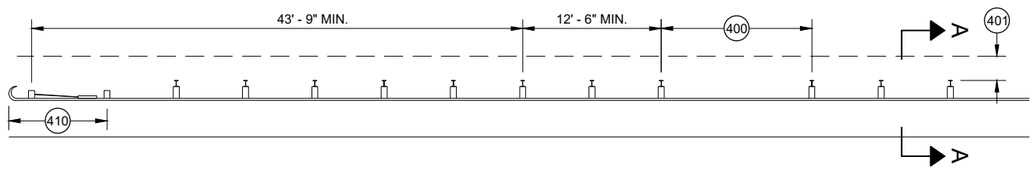
MISSING POST IN MGS GUARDRAIL NEAR EAT



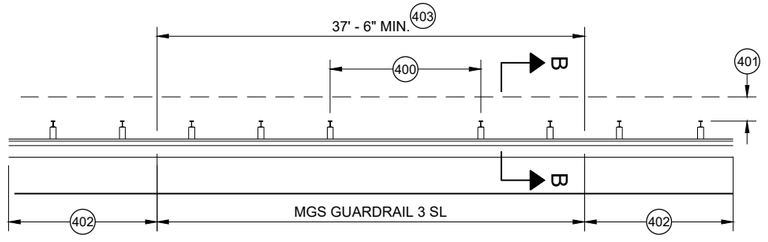
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

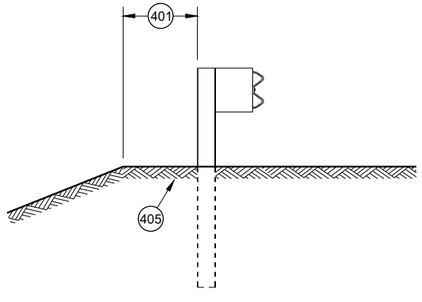


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

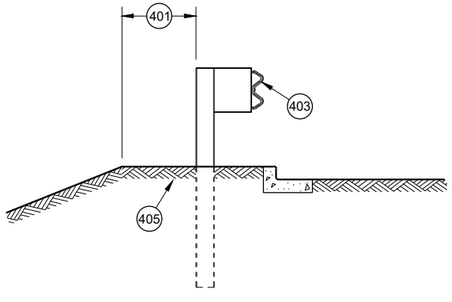


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(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.

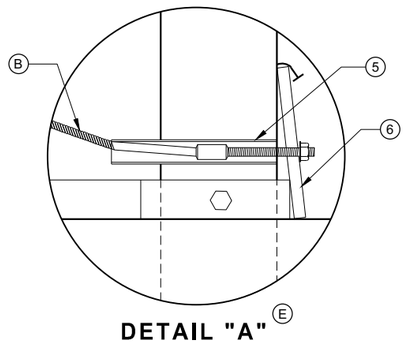
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

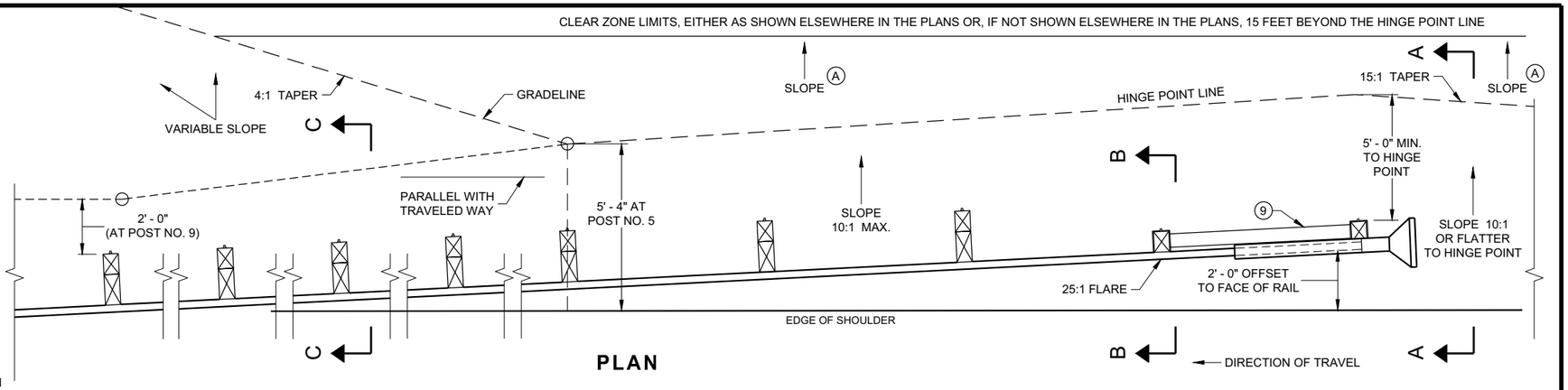
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

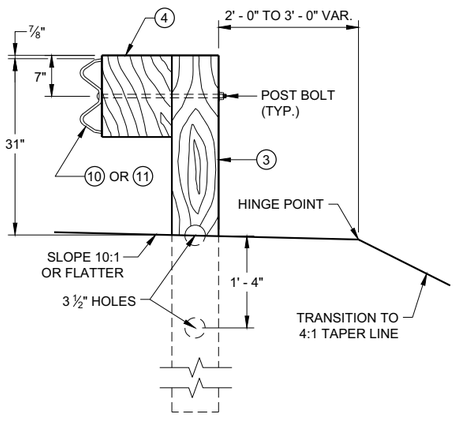
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

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.

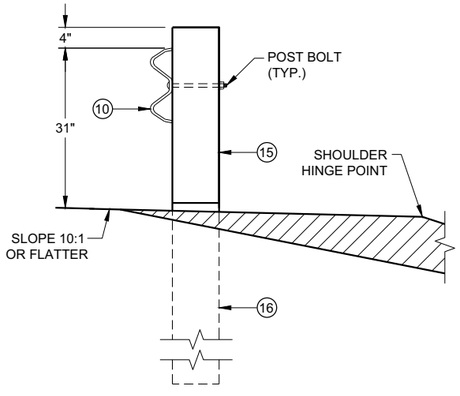


DETAIL "A" (E)

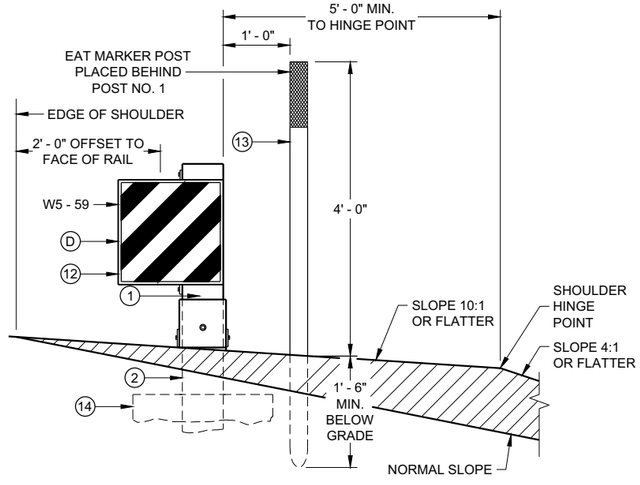




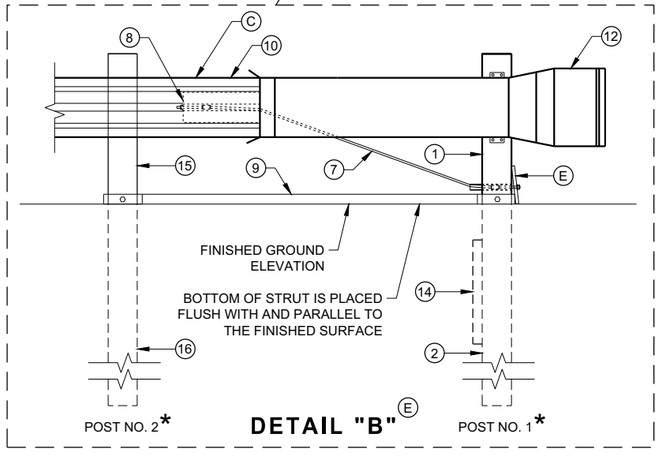
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



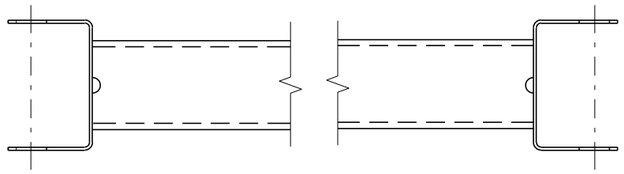
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

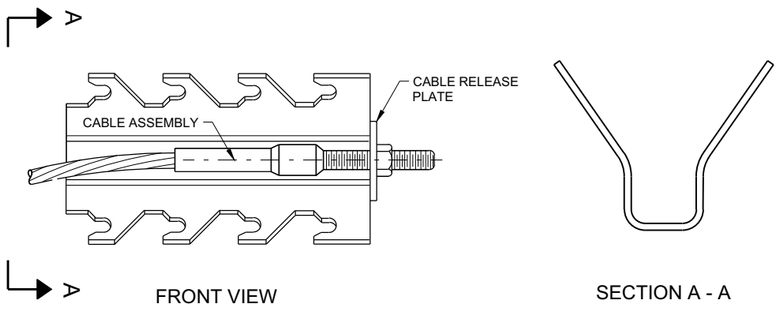
SDD 14B44 - 04a



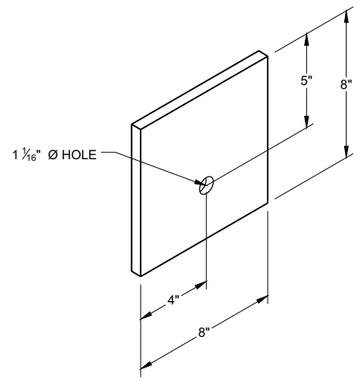
GENERIC GROUND STRUT (9) (E)

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

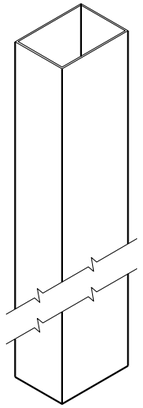
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SDD 14B44 - 04b

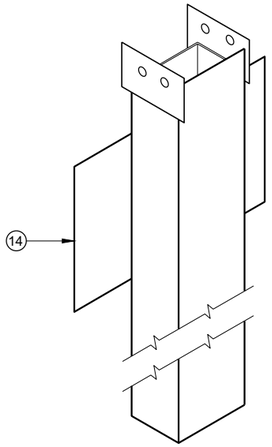
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

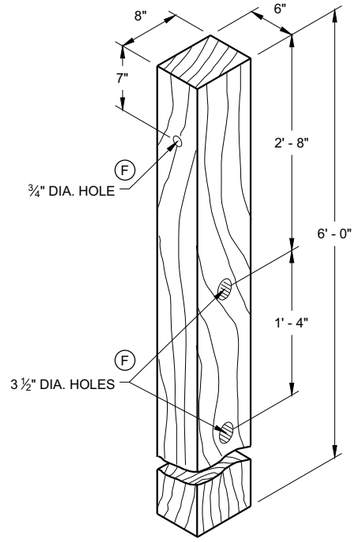
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



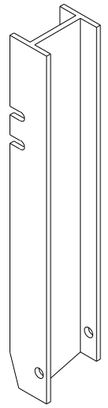
UPPER POST NO. 1 (1) (E)



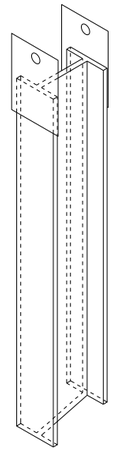
LOWER POST NO. 1 (2) (E)



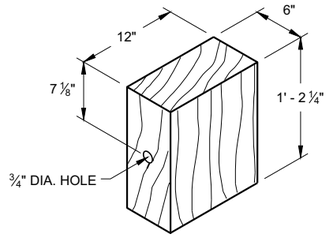
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



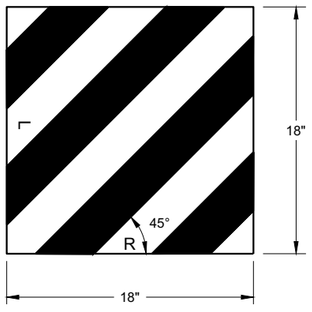
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

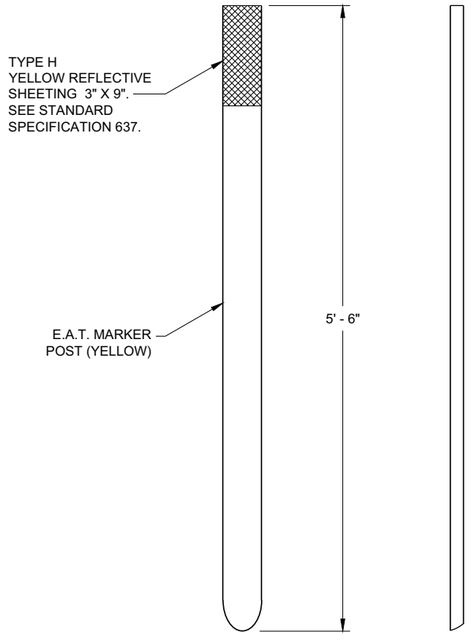


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



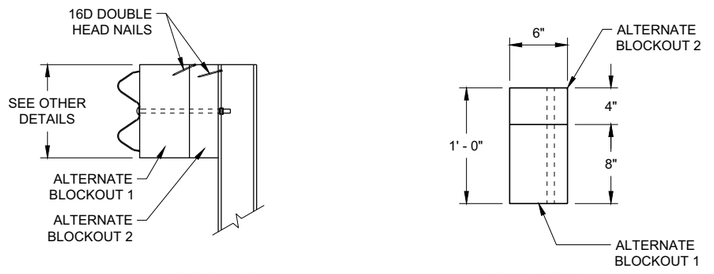
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

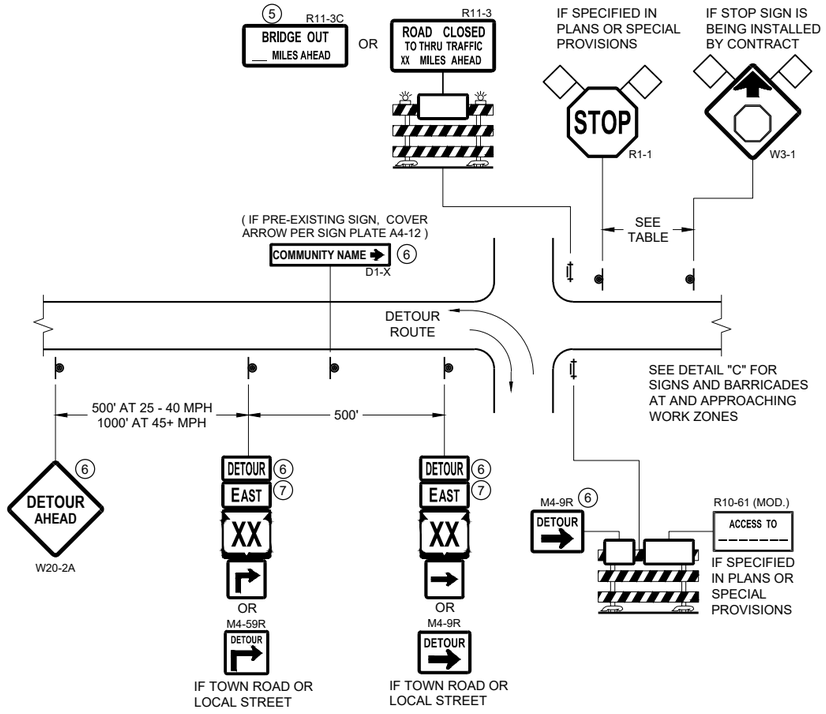
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

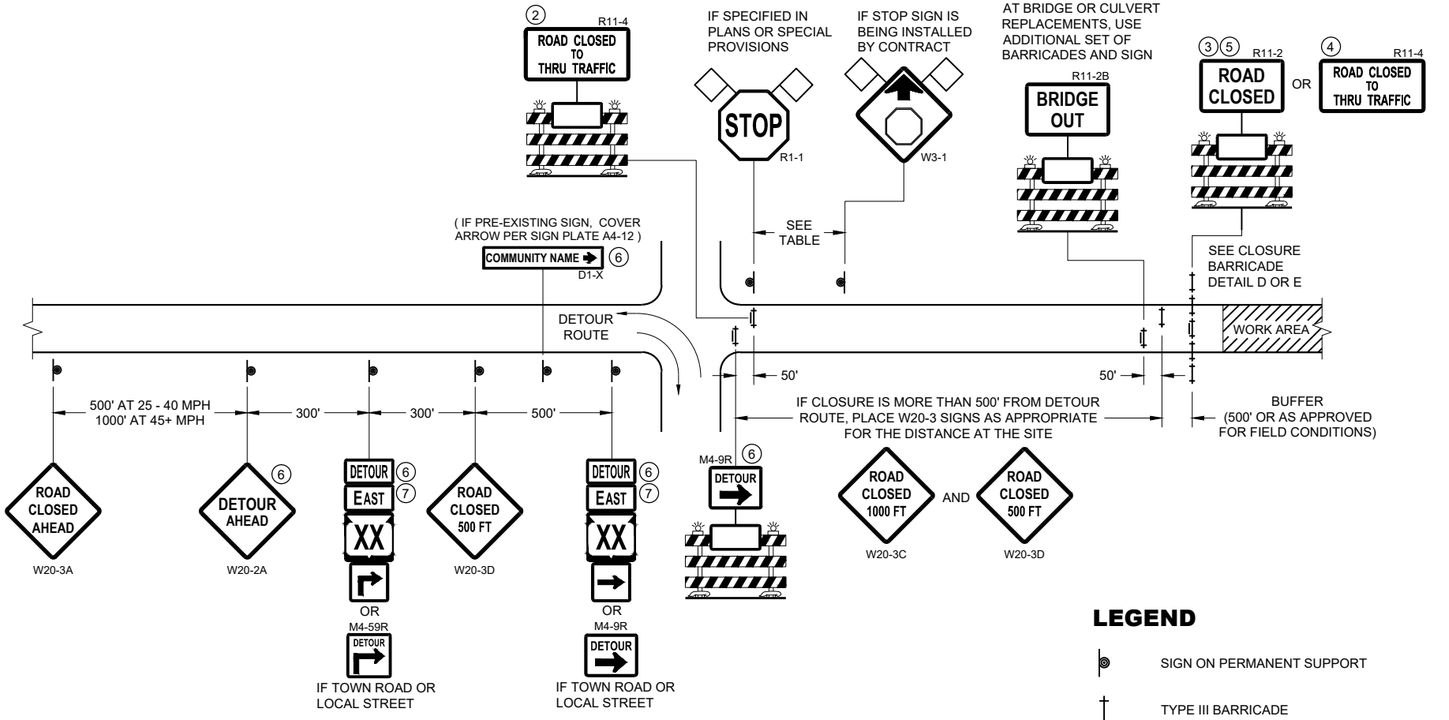
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SDD 14B44 - 04c



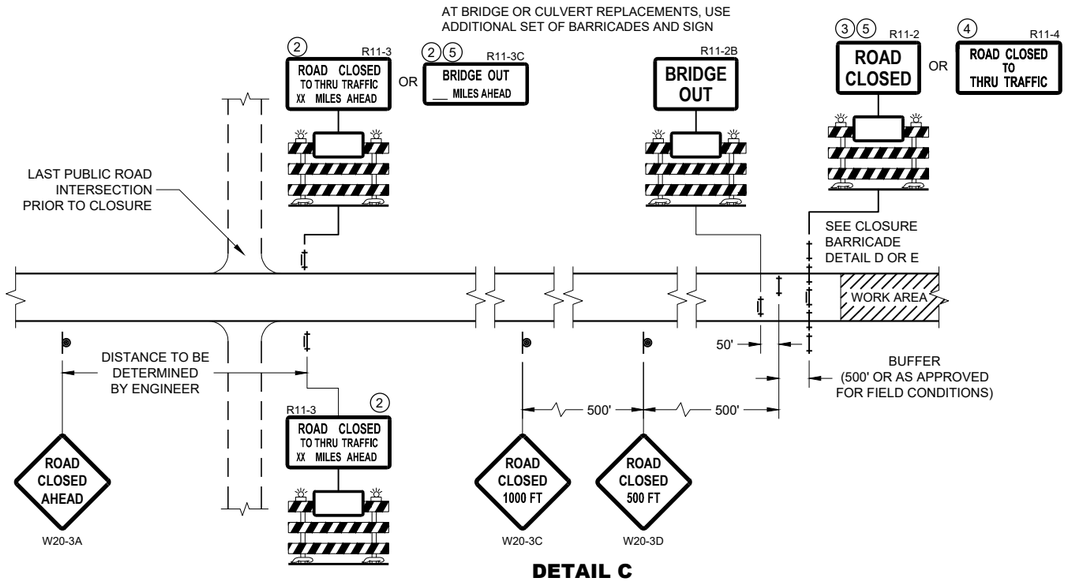
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

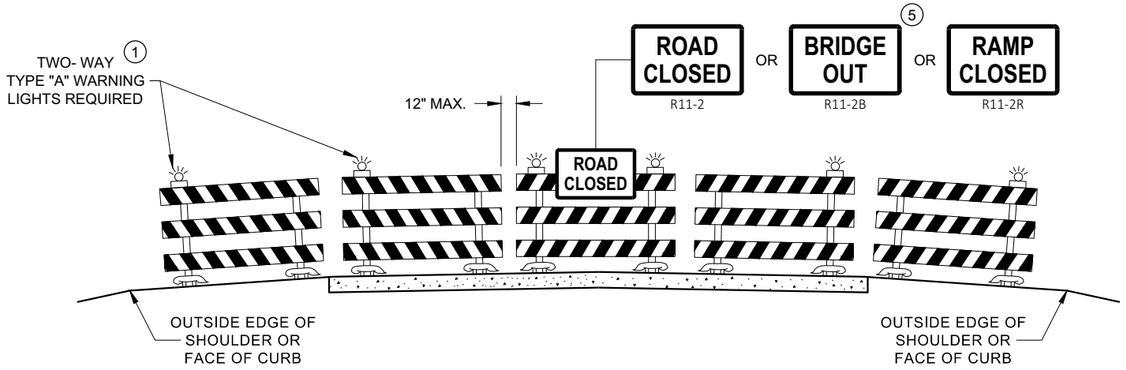
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

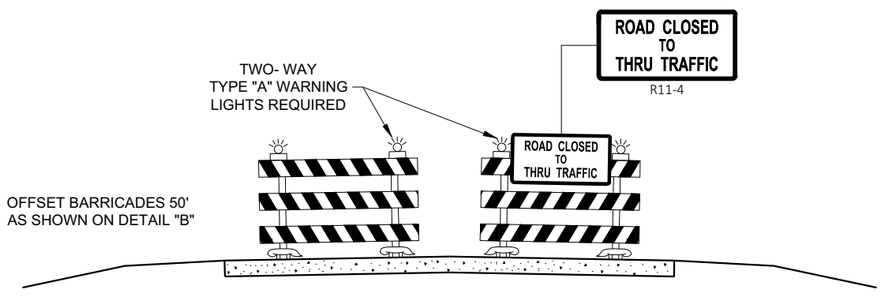
6

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

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4; XX — M1 - 6; COUNTY X — M1 - 5A
- M05 - 1; M06 - 1; M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

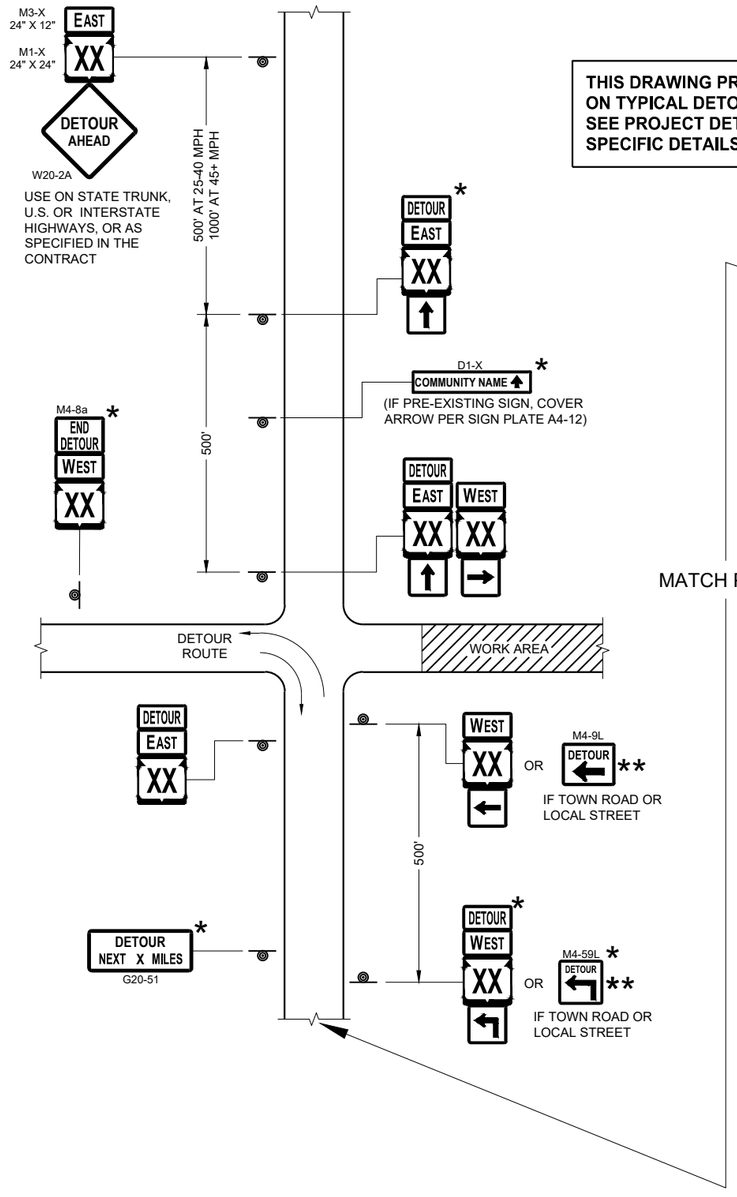
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

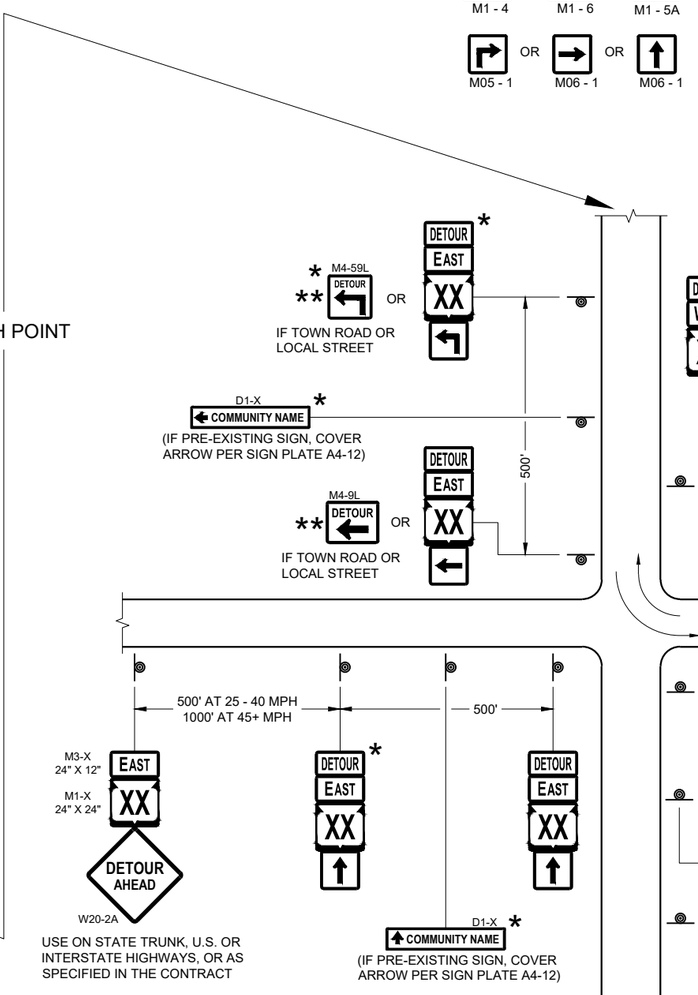
SIGN SIZES SHALL BE AS FOLLOWS:

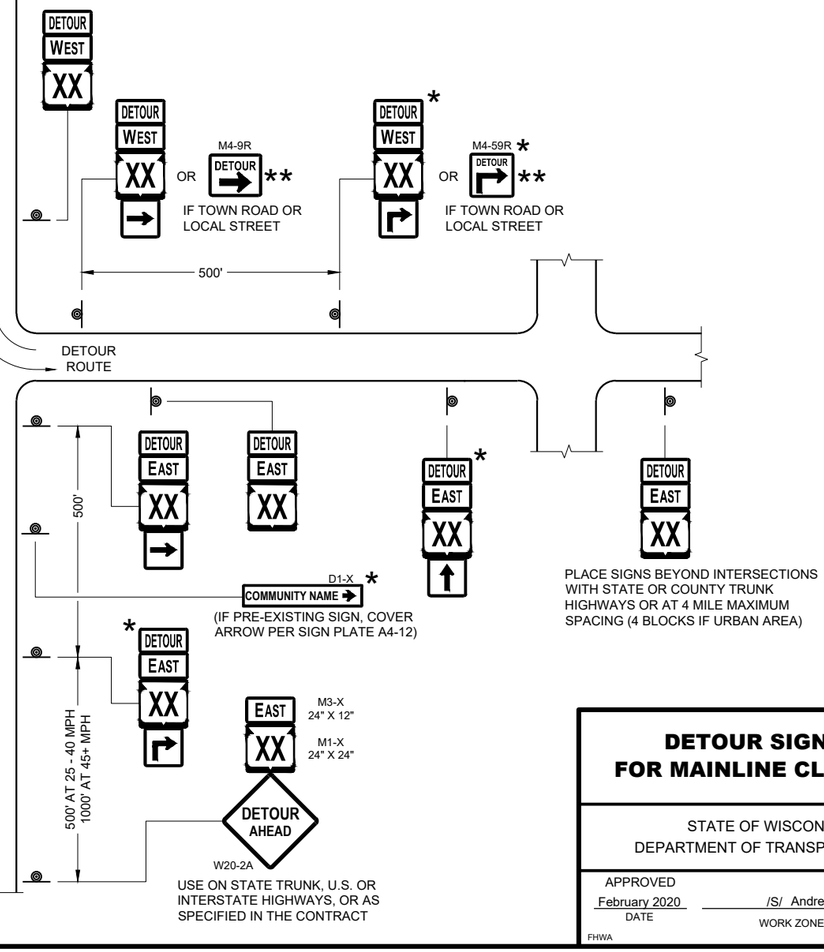
M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
M4-9 AND M4-59 SHALL BE 30" X 24"
M4-8a SHALL BE 24" X 18"
G20-51 SHALL BE 60" X 24"
W20-2A SHALL BE 48" X 48"
D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.







SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

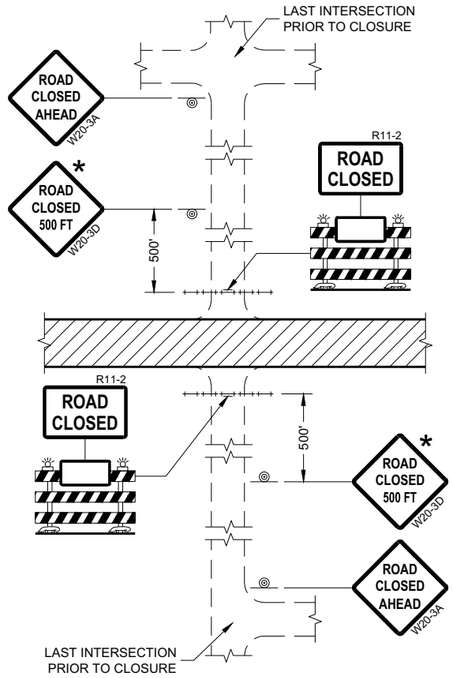
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

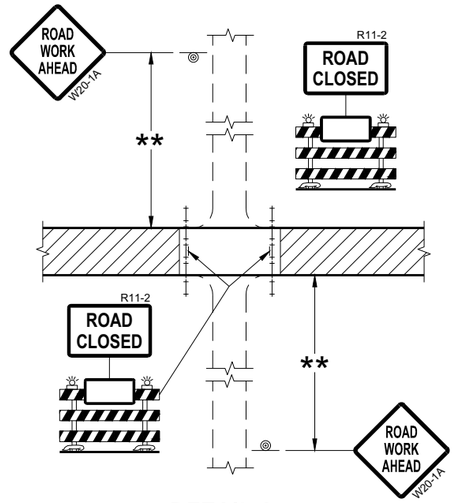
FHWA

SDD 15C02 - 08c

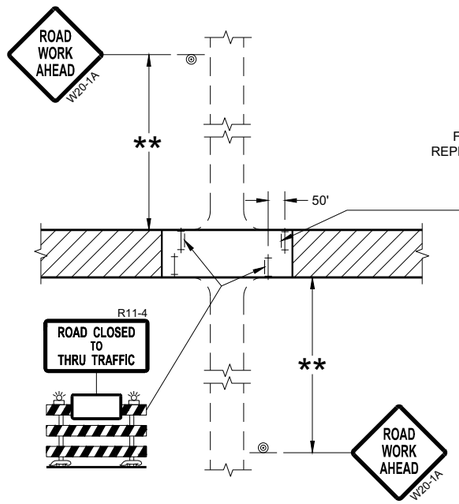
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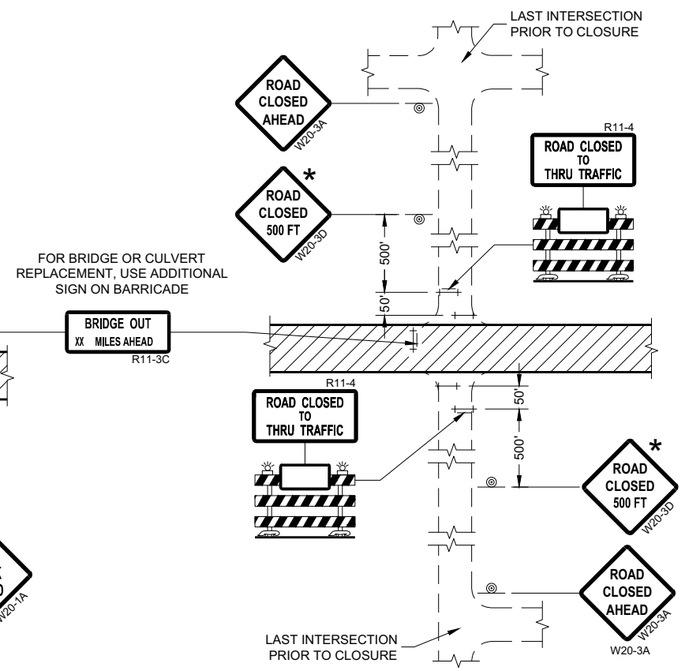
DETAIL 1
(NO ACCESS TO PROJECT)



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

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SDD 15C03 - 05

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.

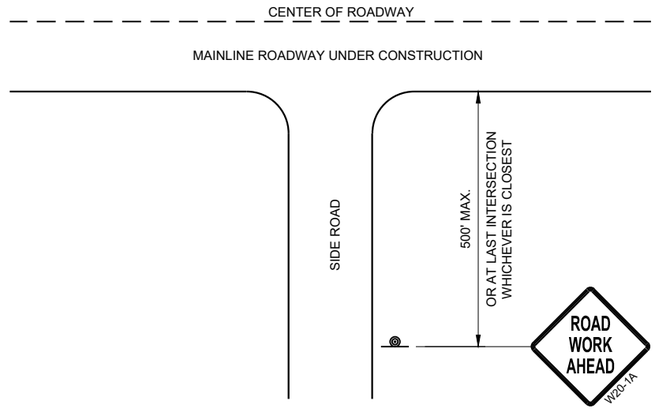
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.



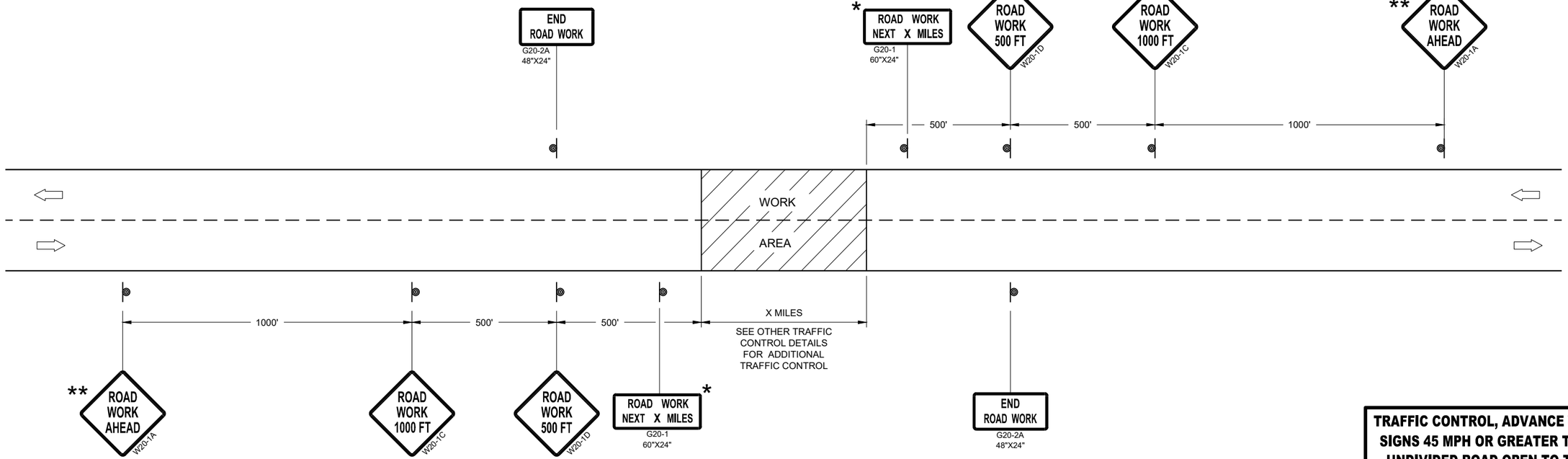
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

FHWA

6

SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

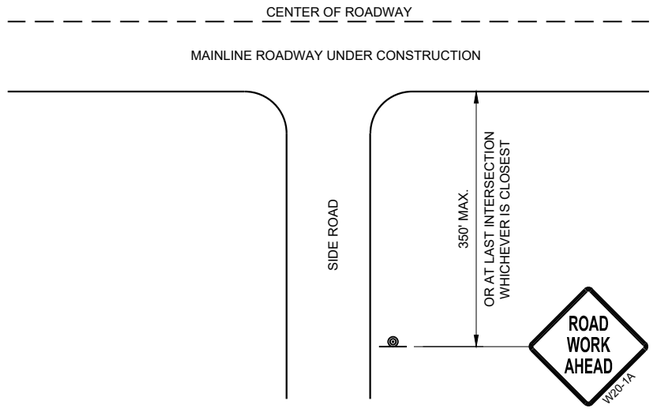
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

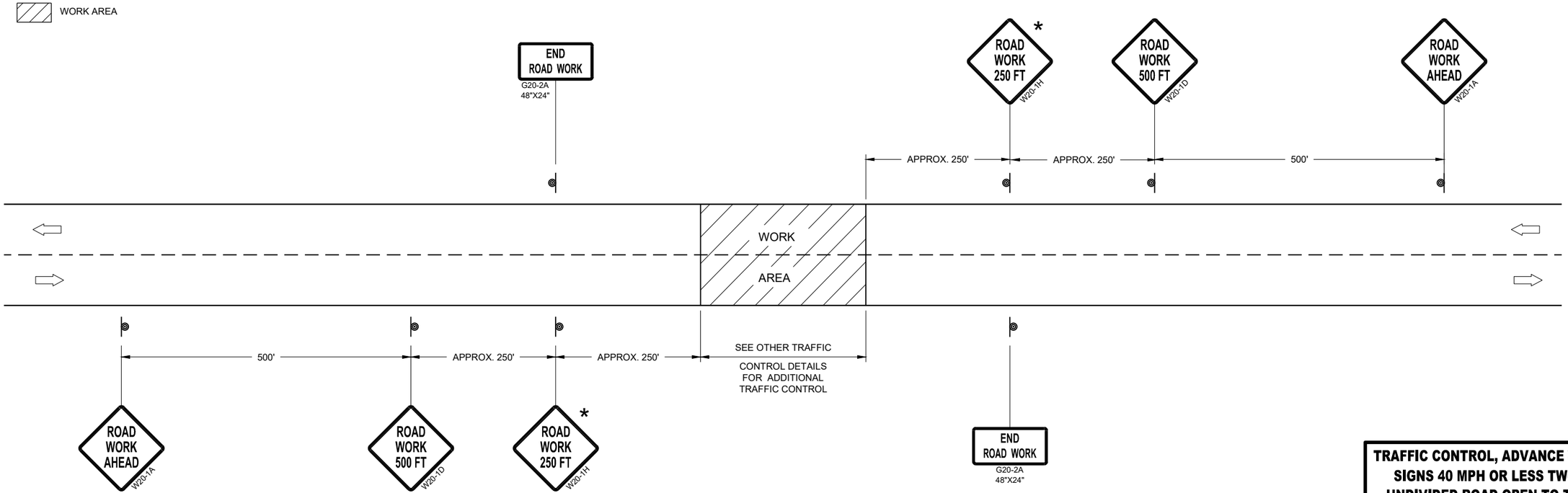
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

200

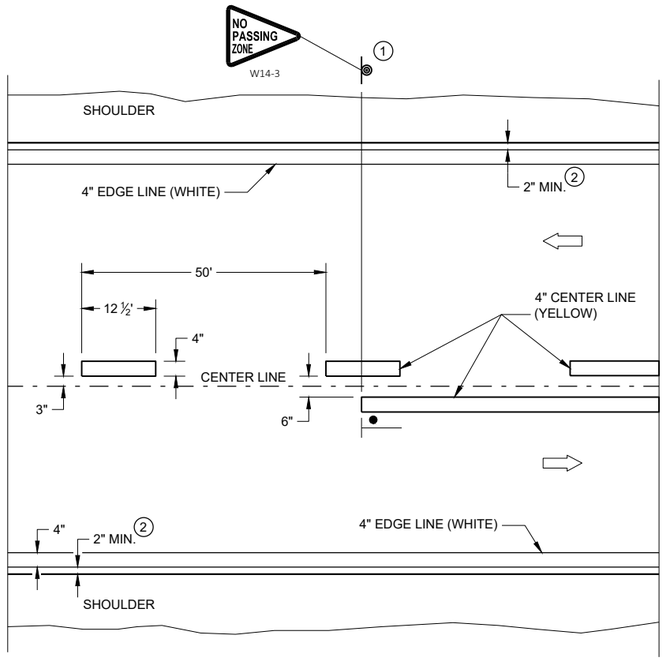
FHWA

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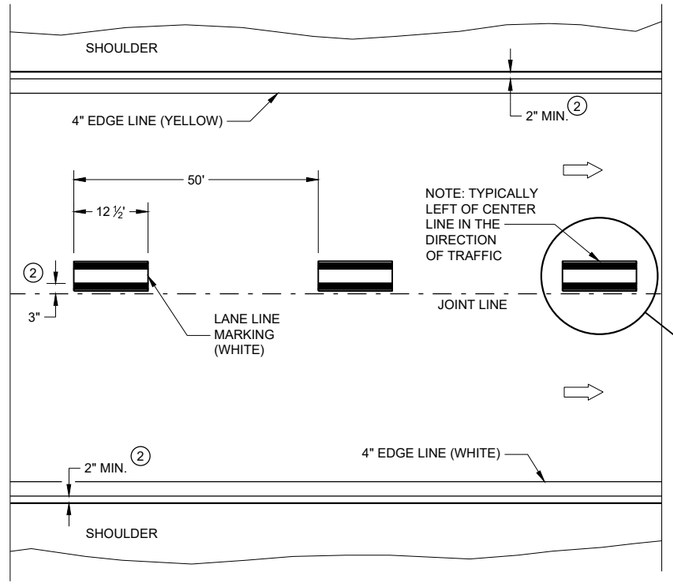
SDD 15C05 - 05

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SDD 15C05 - 05

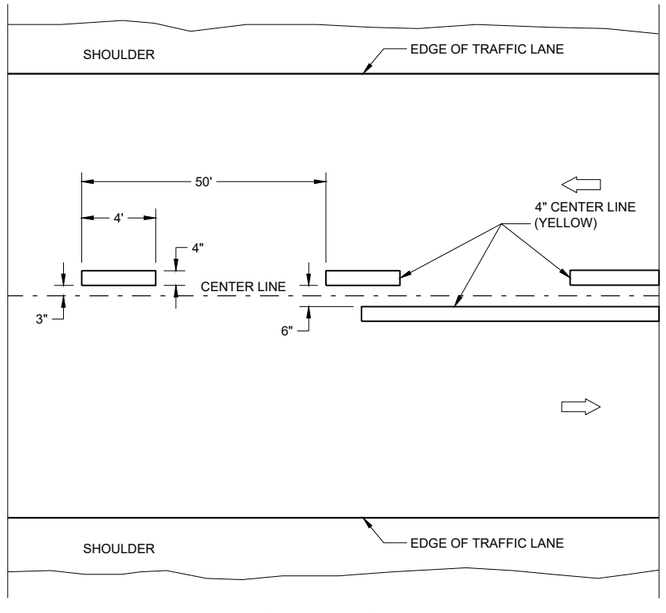


TWO WAY TRAFFIC

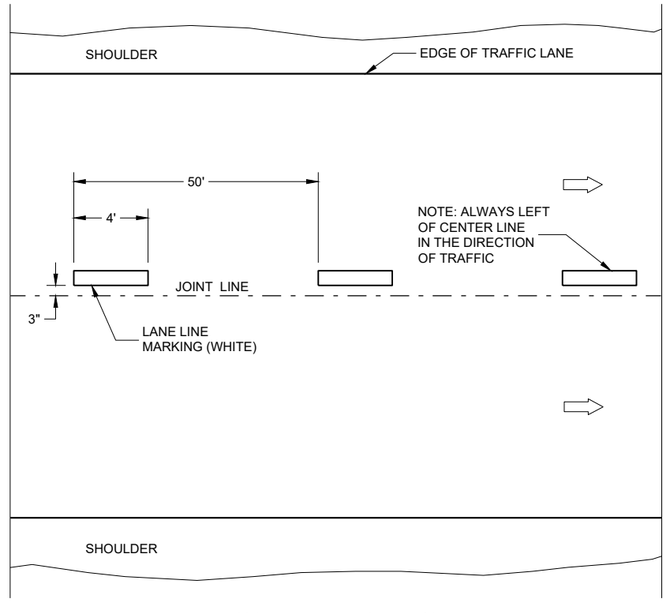


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

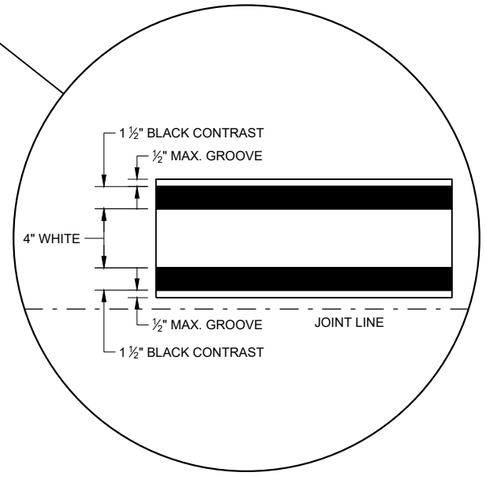
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

FHWA

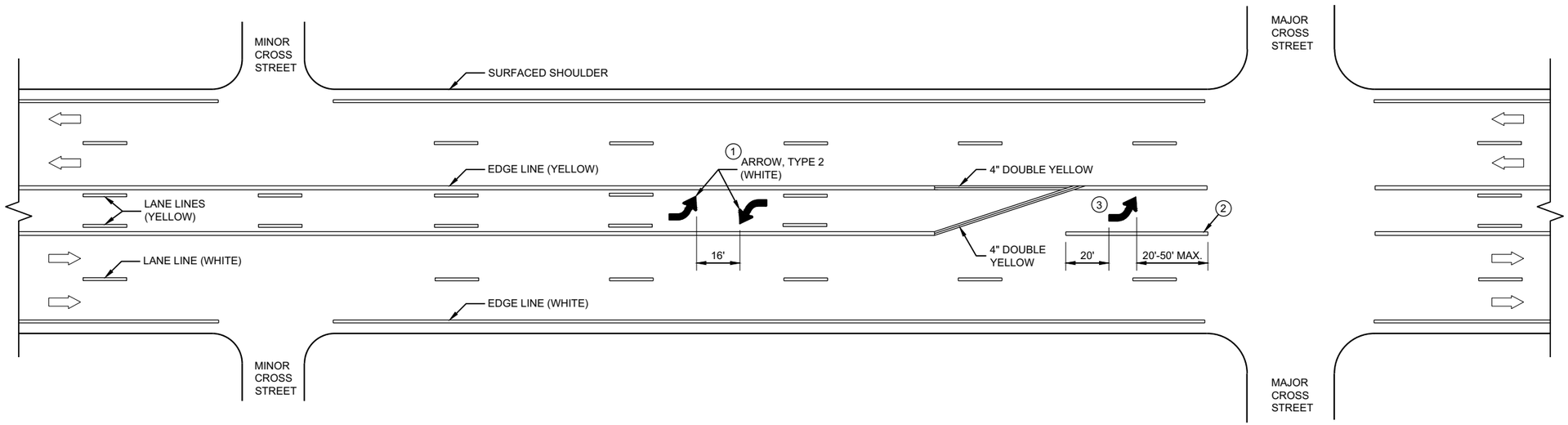
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

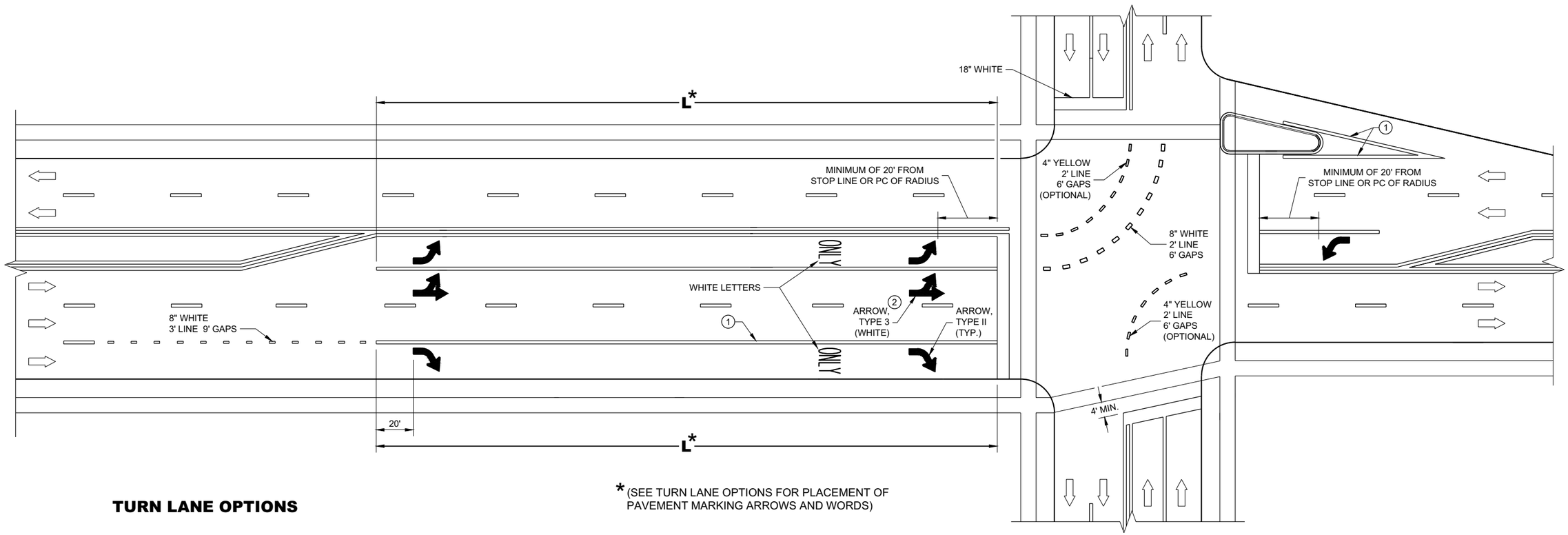
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SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

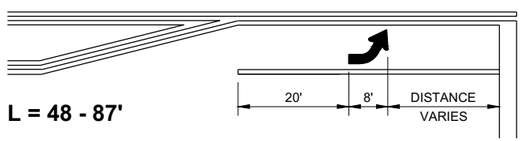
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



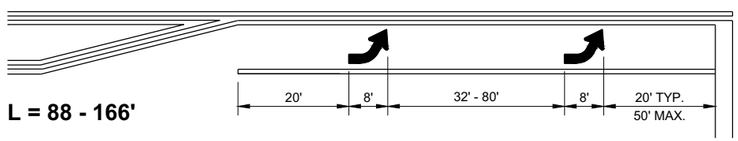
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

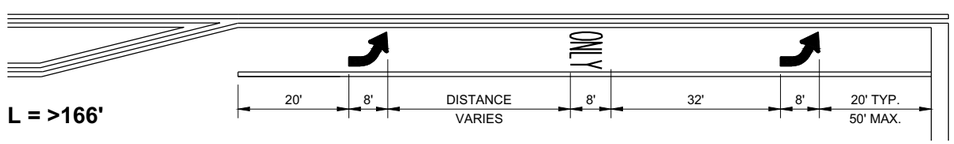
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

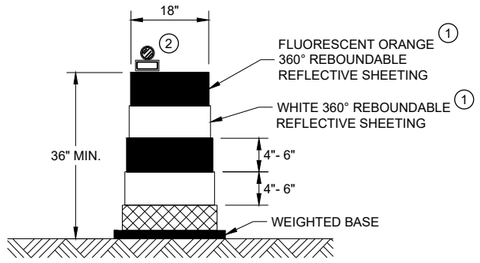
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

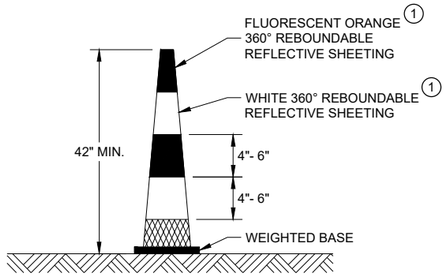
SDD 15C08 - 20c

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.

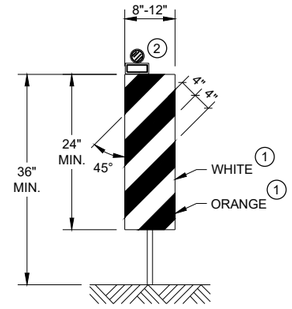


DRUM



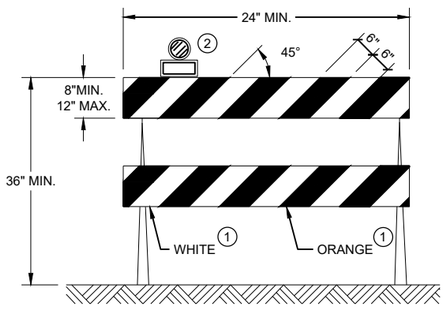
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



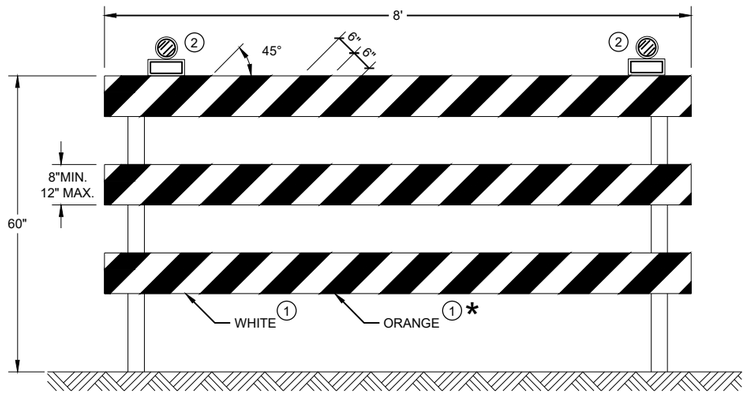
VERTICAL PANEL

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.

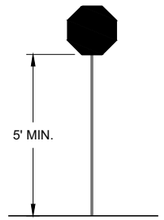
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

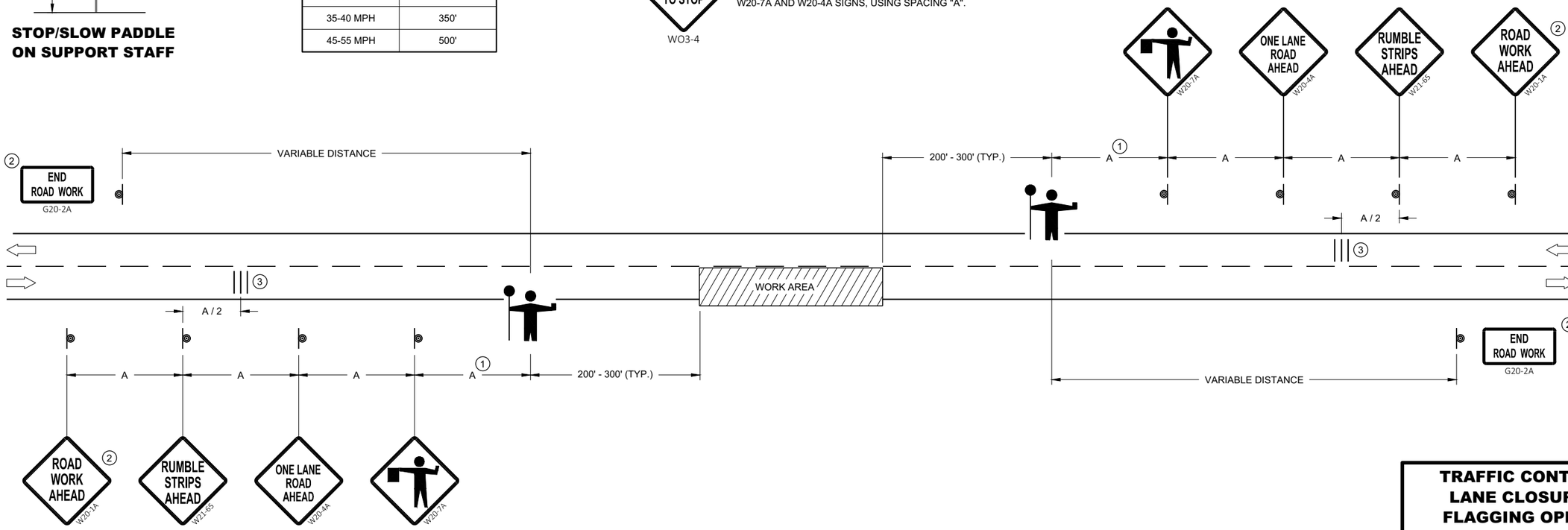
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

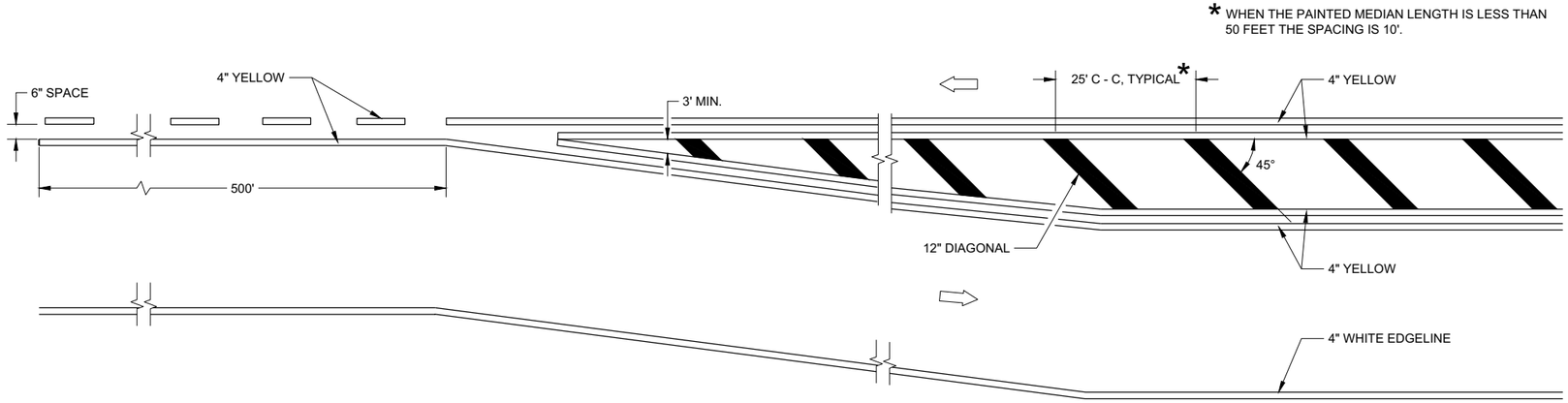
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SDD 15C12 - 07

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SDD 15C12 - 07

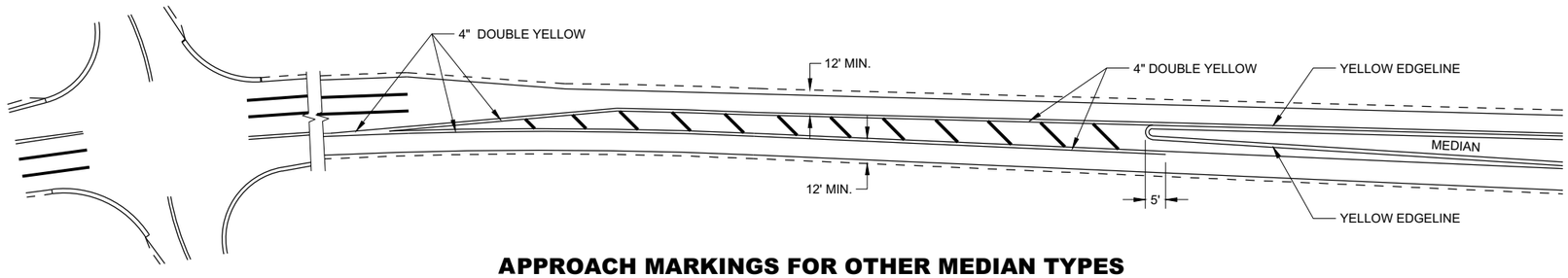


MEDIAN ISLAND DETAIL

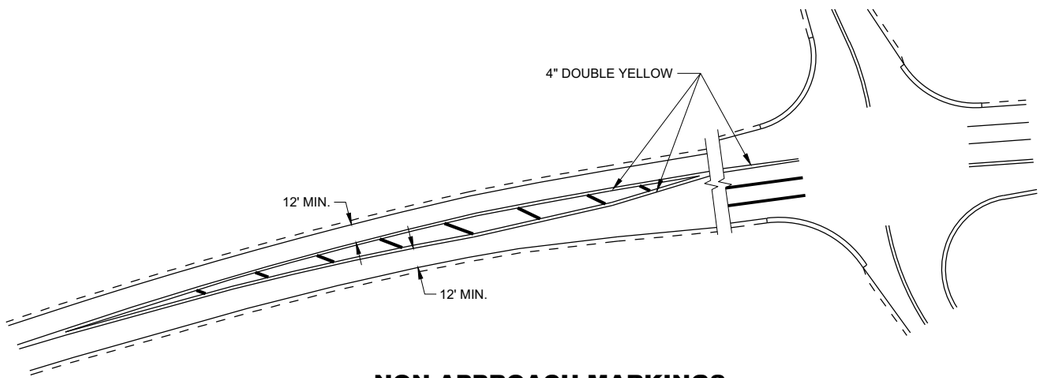
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C18 - 05a

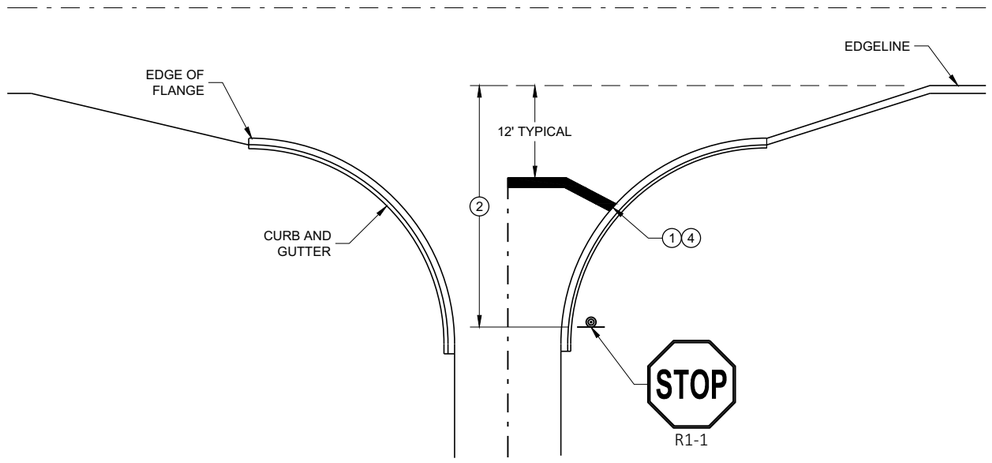
6

SDD 15C18 - 05a

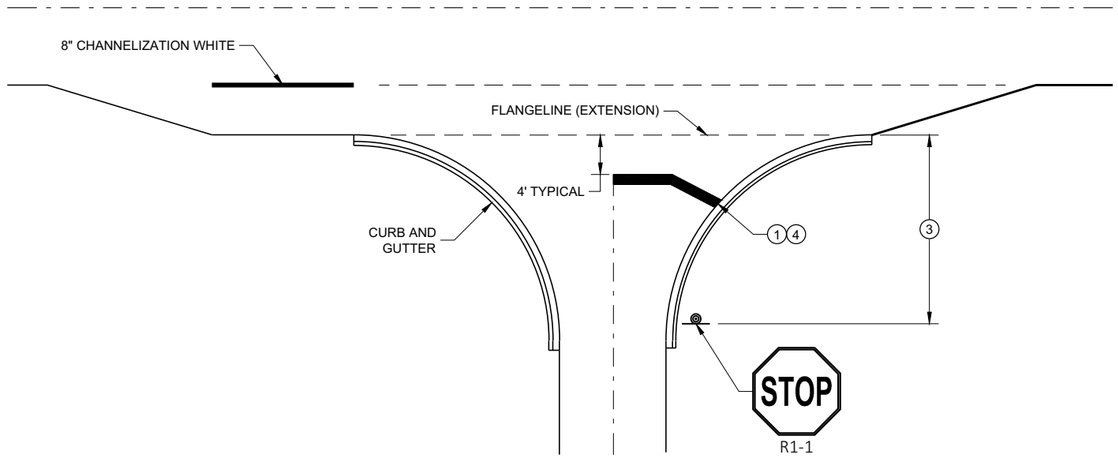
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

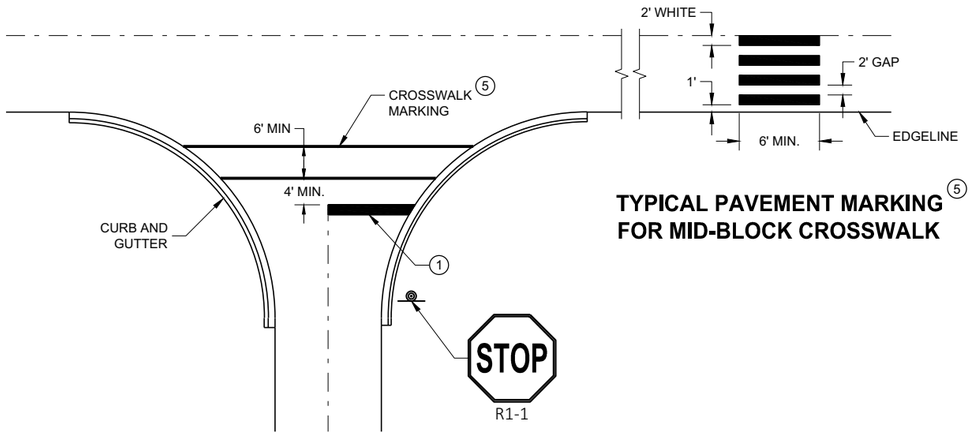
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

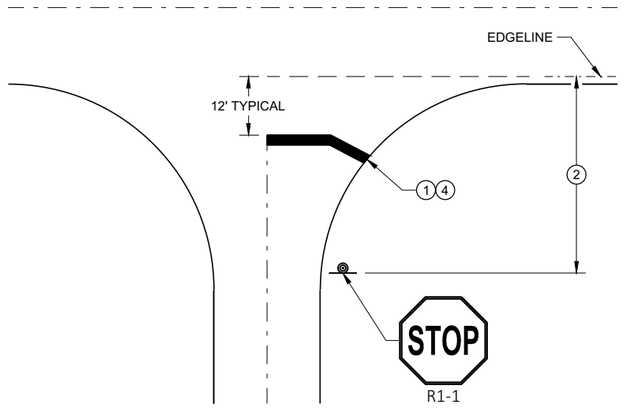


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

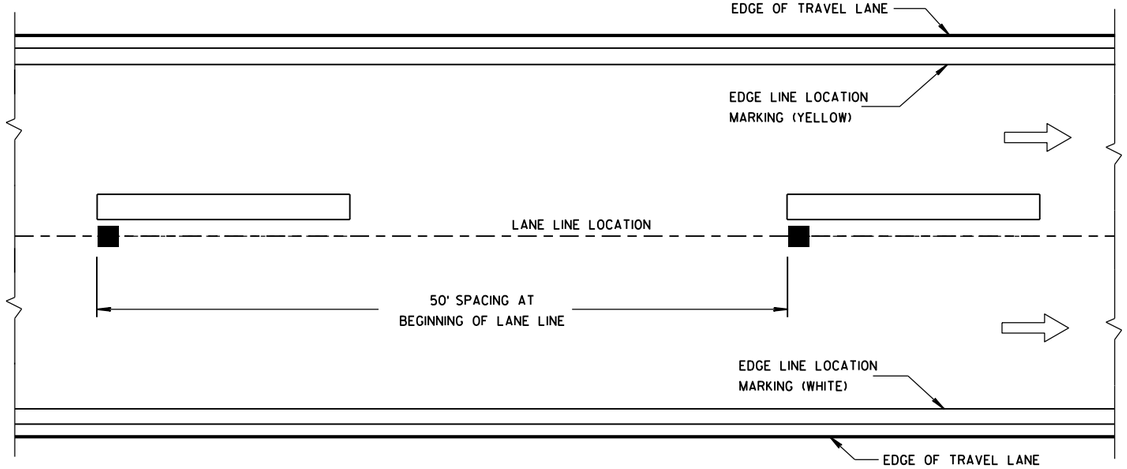
FHWA

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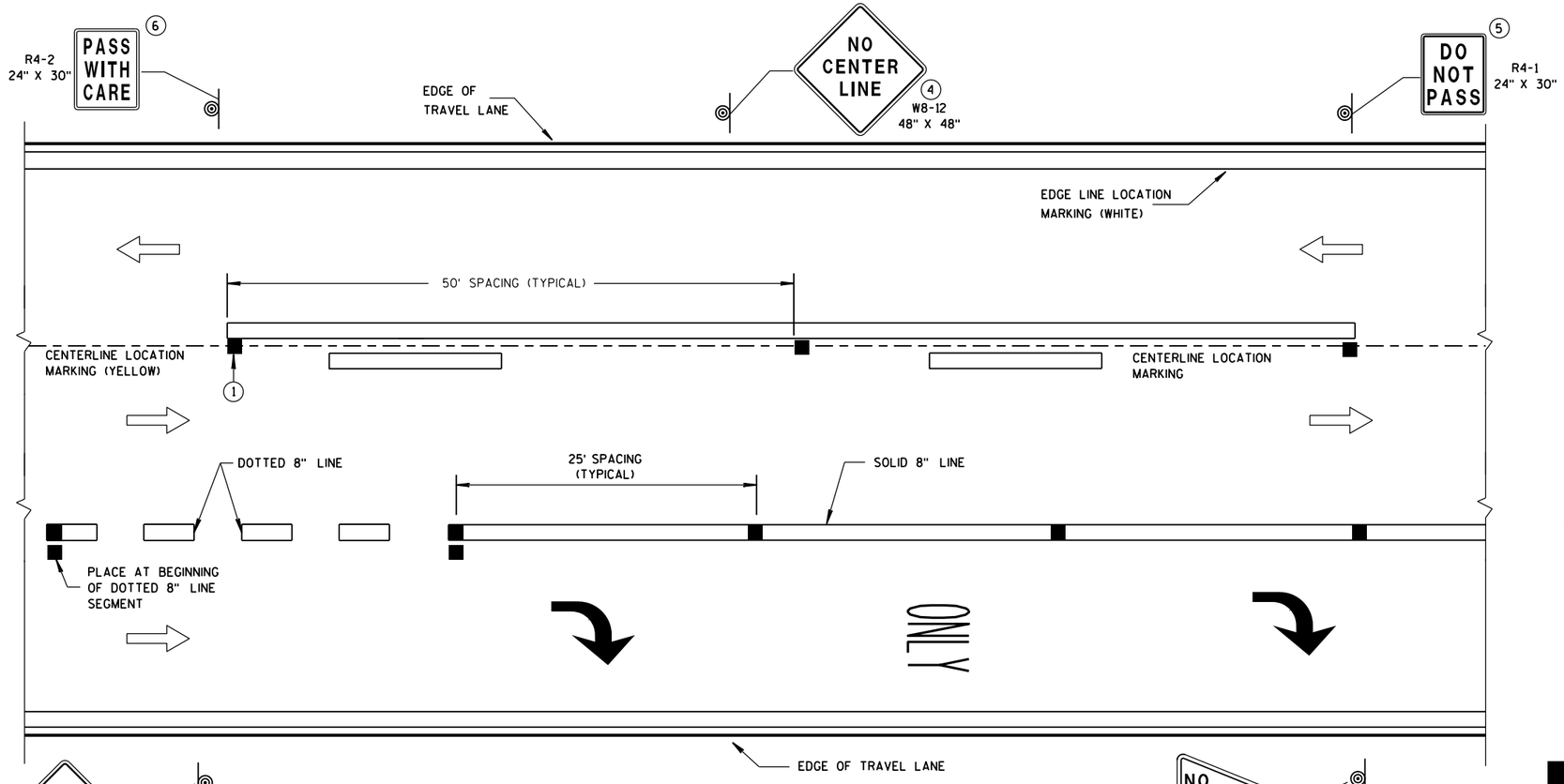
SDD 15C33 - 04

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SDD 15C33 - 04



LONGITUDINAL PLACEMENT 4-INCH LANE LINE



LONGITUDINAL PLACEMENT 4-INCH CENTERLINE AND 8-INCH CHANNEL LINE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

COLOR OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II SHALL MATCH THE COLOR OF THE MARKING THEY SUPPLEMENT.

PLACEMENT OF TEMPORARY RAISED PAVEMENT MARKERS ON EDGE LINES ARE OPTIONAL. IF PLACED ON EDGE LINES, MAXIMUM SPACING SHALL BE 50 FEET.

PROVIDE SINGLE OR MULTI-COVER TEMPORARY RAISED PAVEMENT MARKERS AS SHOWN ON PLAN.

MARK T's ON PAVEMENT FOR RE-ESTABLISHING NO PASSING ZONES.

SAME DAY TEMPORARY PAVEMENT MARKING MAY BE USED IN LIEU OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF TEMPORARY SAME DAY PAVEMENT MARKING IS USED, ENSURE PROPOSED PAVEMENT MARKINGS ARE PLACED IN THE EXACT LOCATIONS AS THE EXISTING MARKINGS, USING A MINIMAL AMOUNT OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II OR OTHER METHODS AS APPROVED BY THE ENGINEER.

IF ROADWAY IS DETOURED DURING CONSTRUCTION, THE DO NOT PASS, PASS WITH CARE AND NO CENTERLINE SIGNS MAY BE OMITTED, PROVIDED A LIQUID MARKING IS INSTALLED BEFORE THE ROADWAY IS REOPENED TO TRAFFIC.

(1) FOR DOUBLE SOLID YELLOW, PLACE THE MARKERS BETWEEN THE LINES.

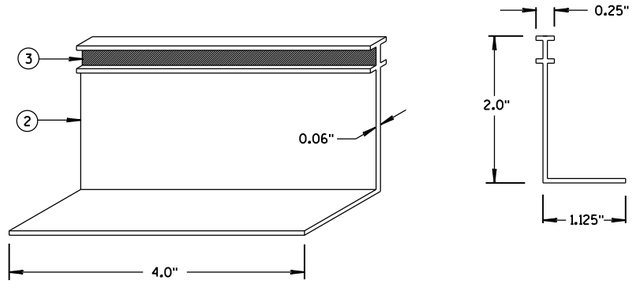
(2) MARKERS SHALL BE OF POLYURETHANE MATERIAL.

(3) MARKERS SHALL HAVE A MINIMUM SIZE REFLECTIVE SURFACE OF 4 INCH WIDTH X 0.25 INCH HEIGHT.

(4) NO CENTER LINE SIGNS SHALL BE PLACED AT THE BEGINNING OF PROJECT, AT TWO-MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS.

(5) DO NOT PASS SIGNS SHALL BE INSTALLED AT THE BEGINNING OF NO PASSING ZONES. ADDITIONAL DO NOT PASS SIGNS SHALL BE INSTALLED AT ONE MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS WITHIN THE NO PASSING ZONE.

(6) PASS WITH CARE SIGNS SHALL BE PLACED AT THE DOWNSTREAM END OF NO PASSING ZONES.



ISOMETRIC VIEW

SIDE VIEW

TEMPORARY RAISED PAVEMENT MARKER, TYPE II

LEGEND

- TEMPORARY RAISED PAVEMENT MARKER, TYPE II
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAVEL

STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKERS, TYPE II

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6-2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MAR ENGINEER
FHWA

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S.D.D. 15 C 34-3

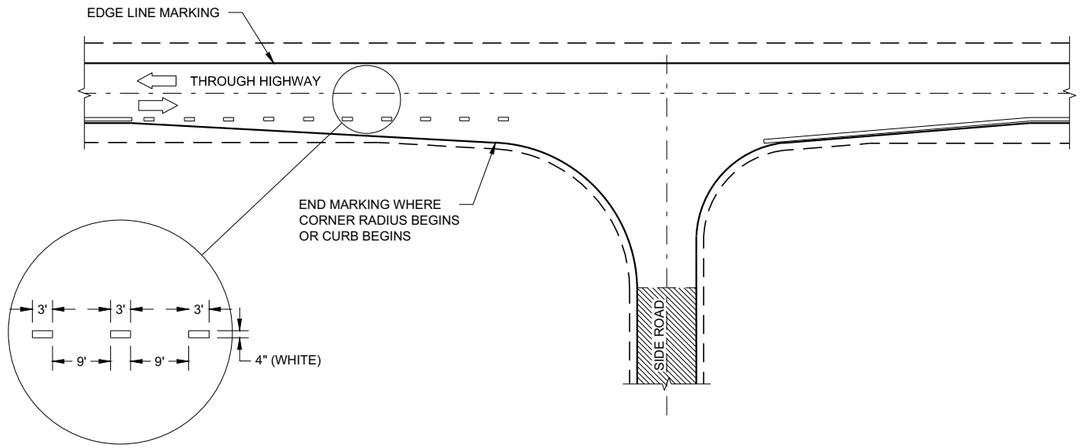
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

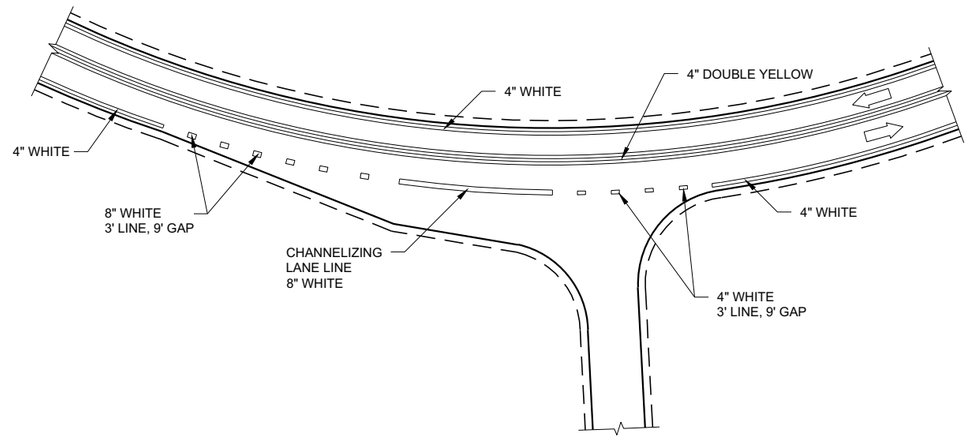
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

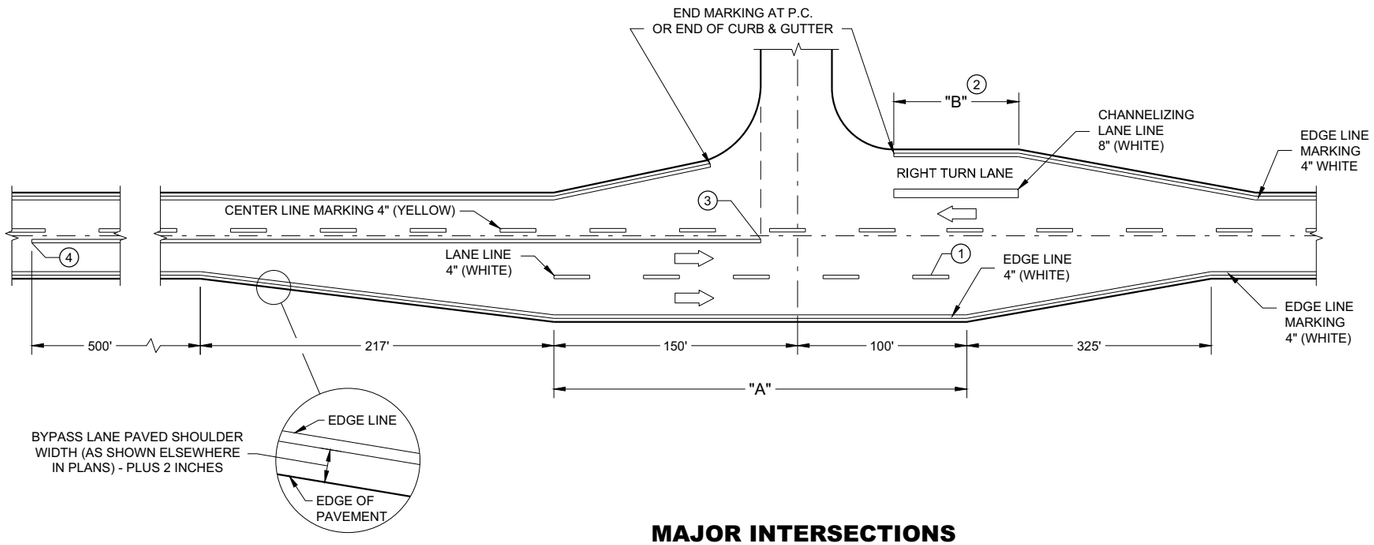
DIRECTION OF TRAVEL



MINOR INTERSECTION



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

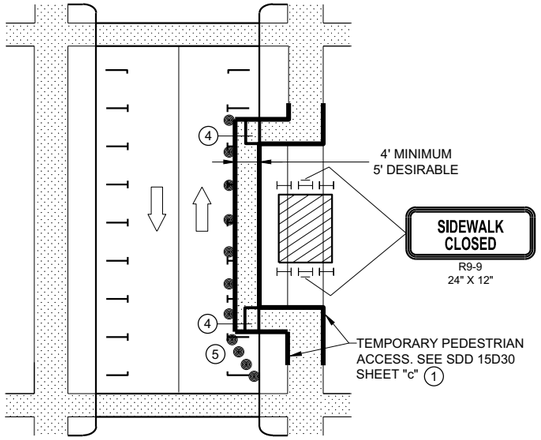
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SDD 15C35 - 04a

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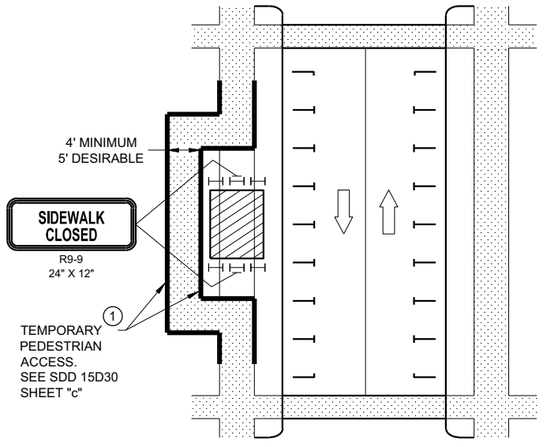
SDD 15C35 - 04a

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

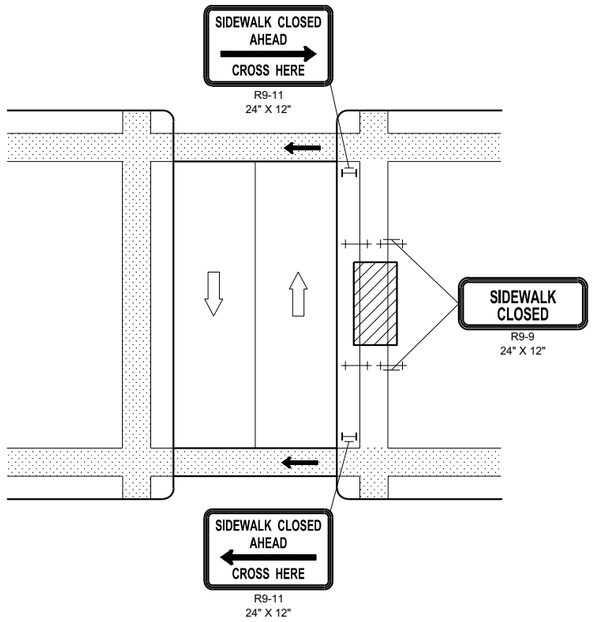


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

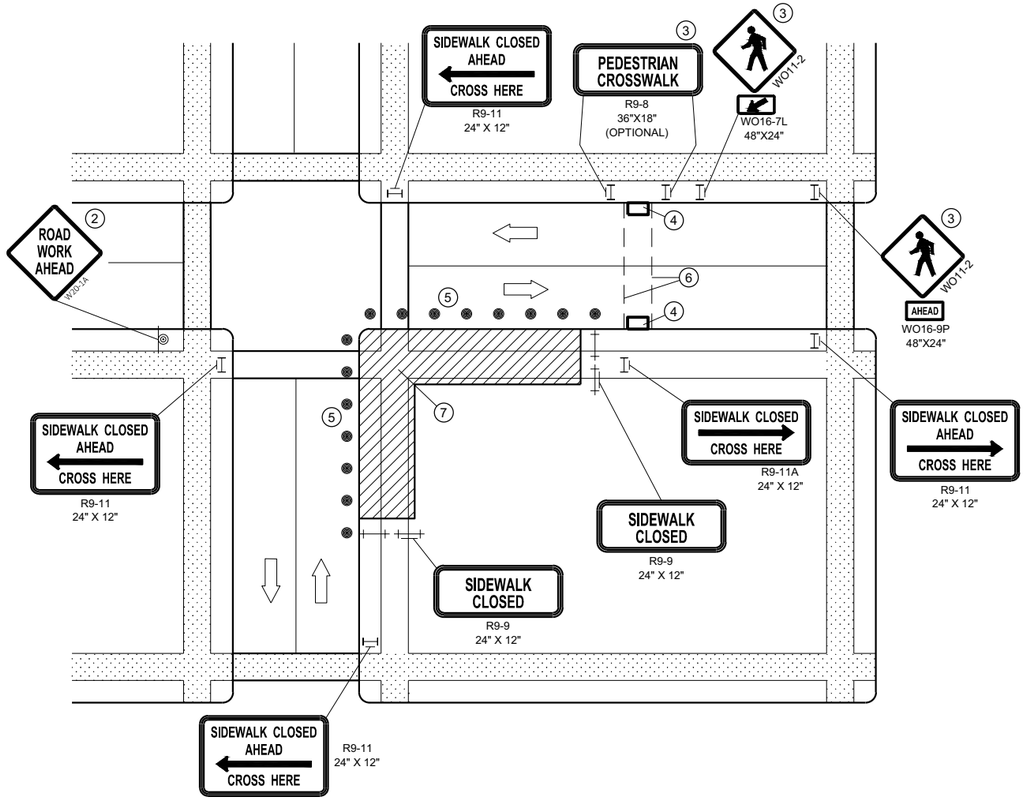
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN, EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

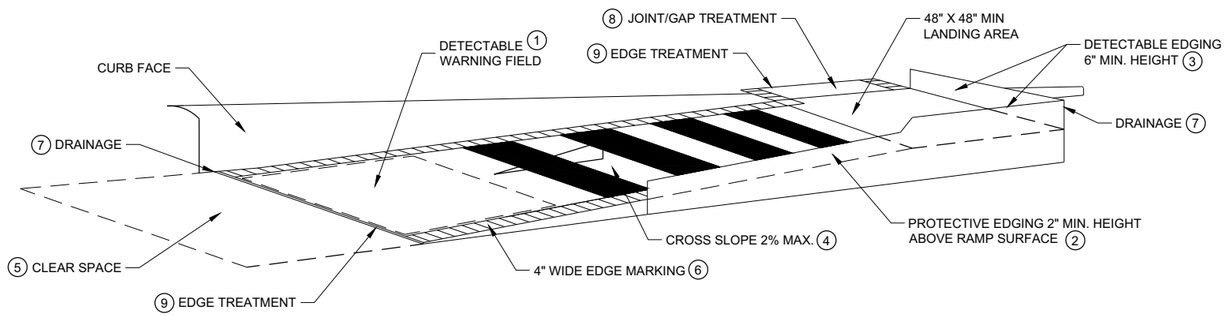
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

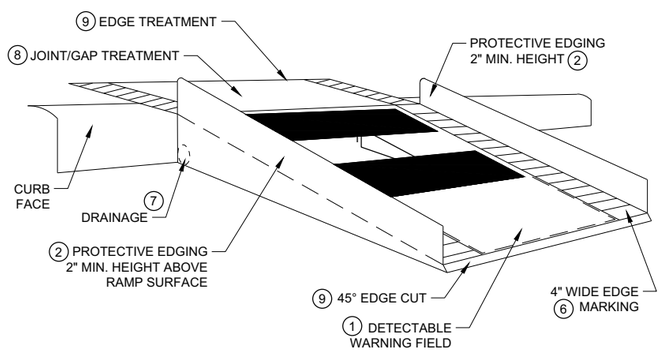
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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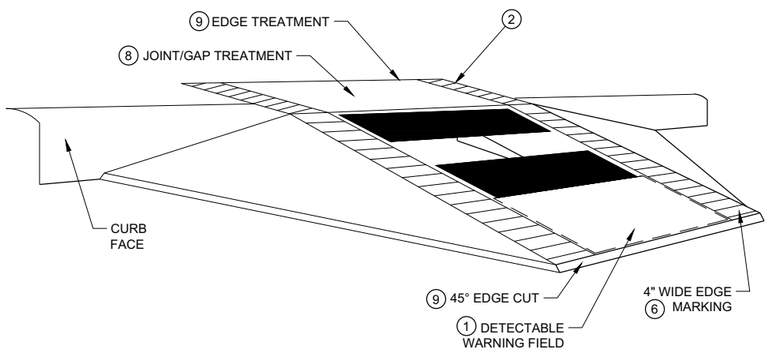
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

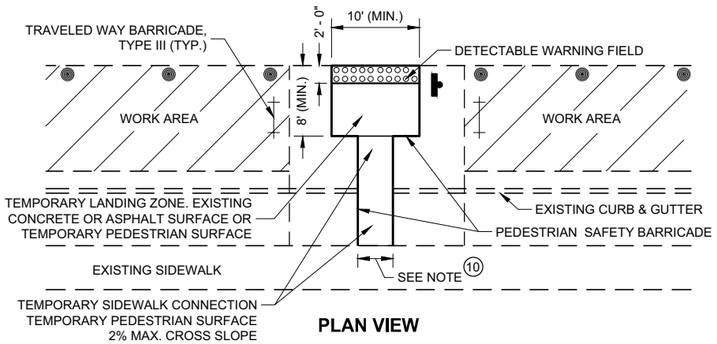
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

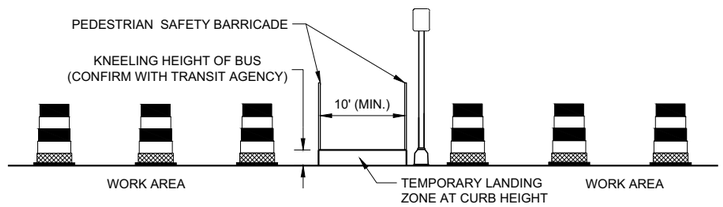
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

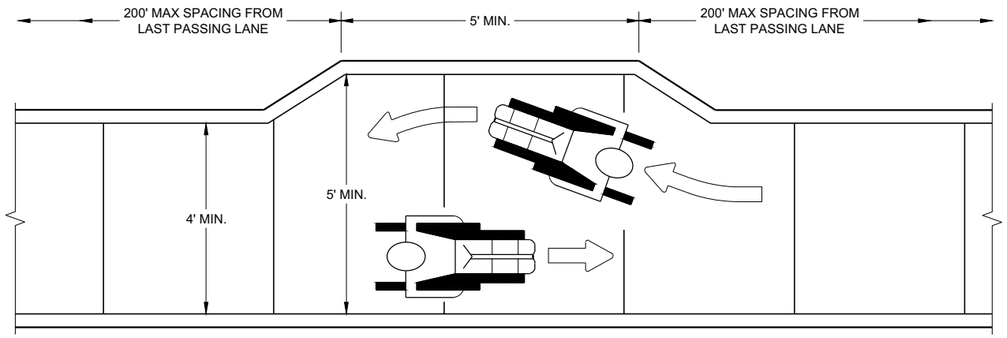
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

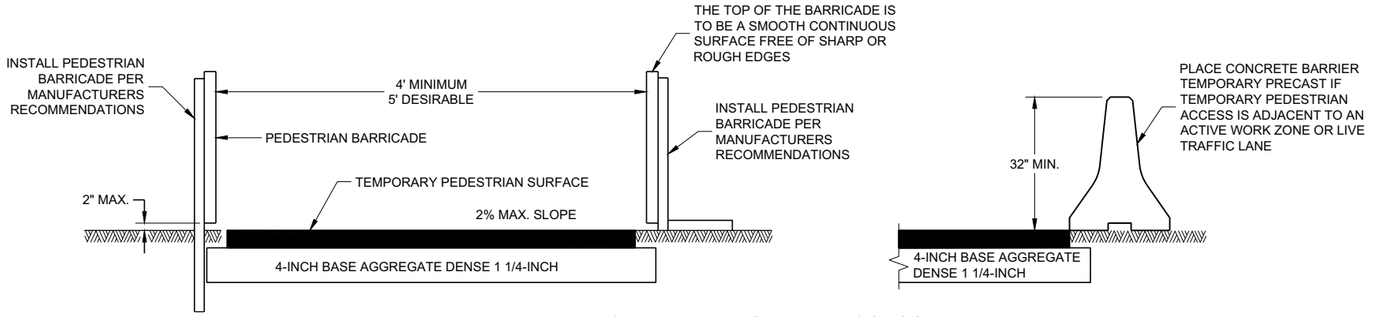
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

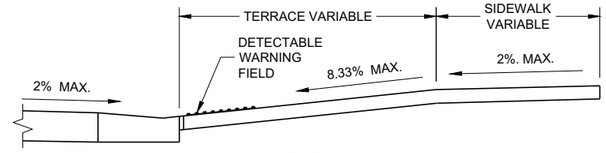
SDD 15D30 - 06b



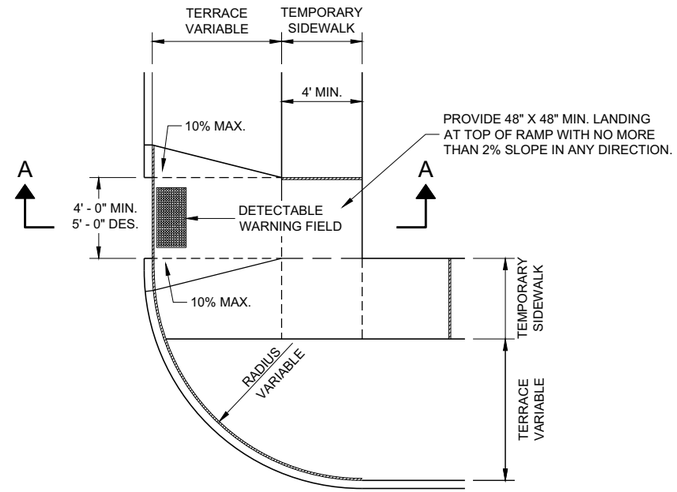
NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN ACCESS



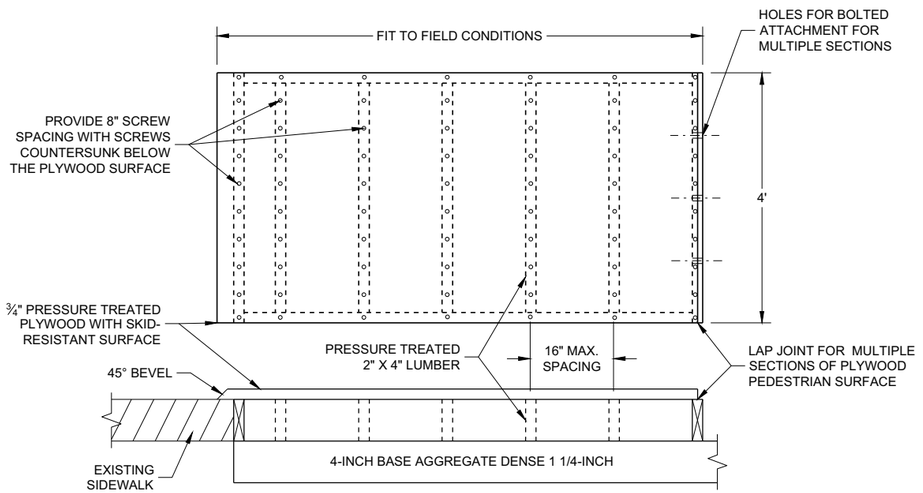
SECTION A - A



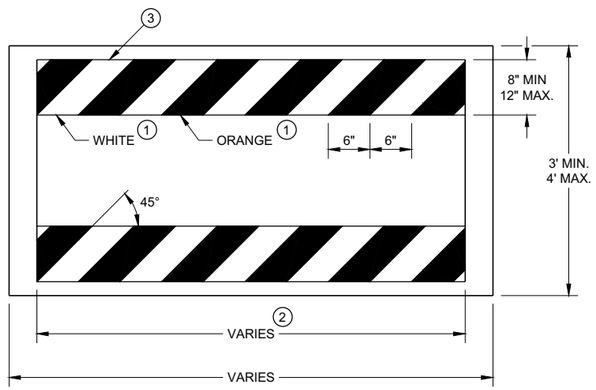
PLAN VIEW

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

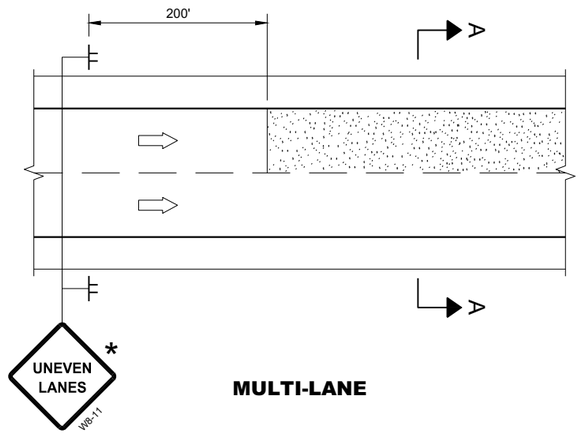
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

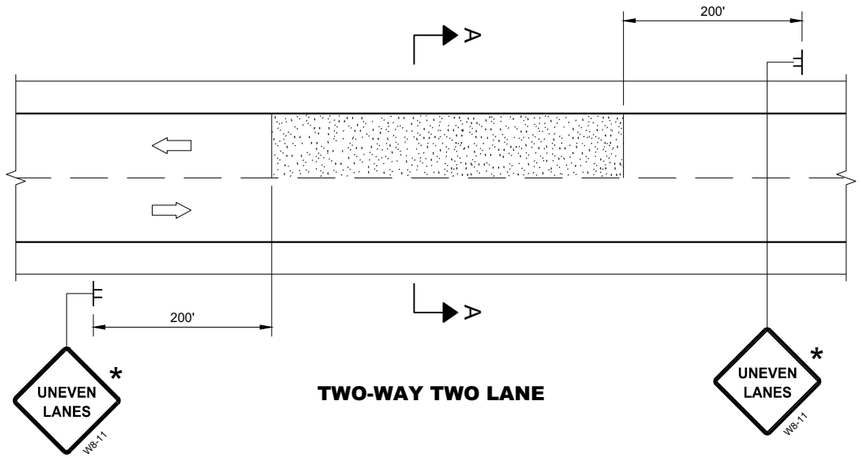
SDD 15D30 - 06c

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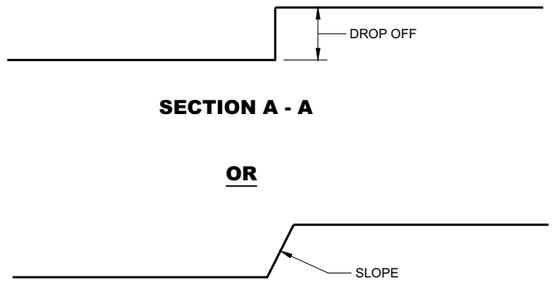
SDD 15D30 - 06c



MULTI-LANE

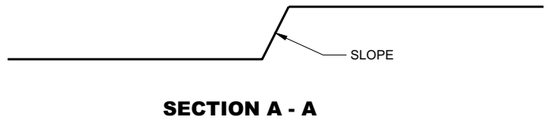


TWO-WAY TWO LANE

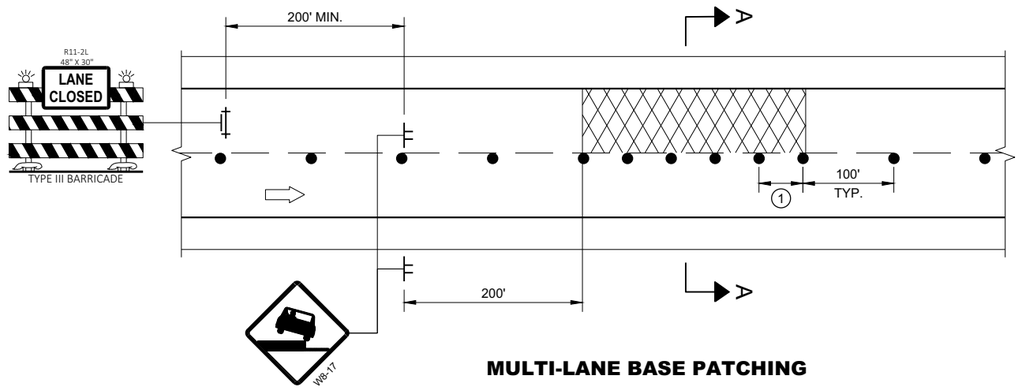


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

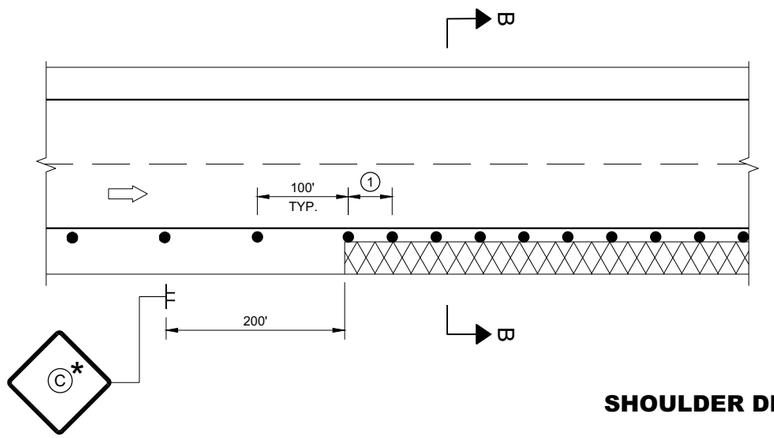
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

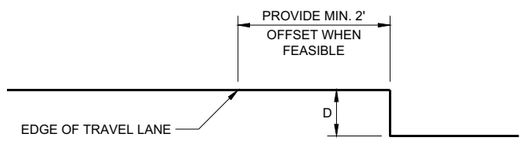
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D39 - 02

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.

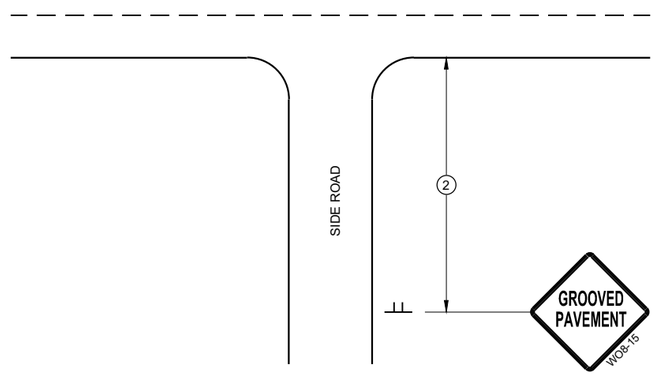
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

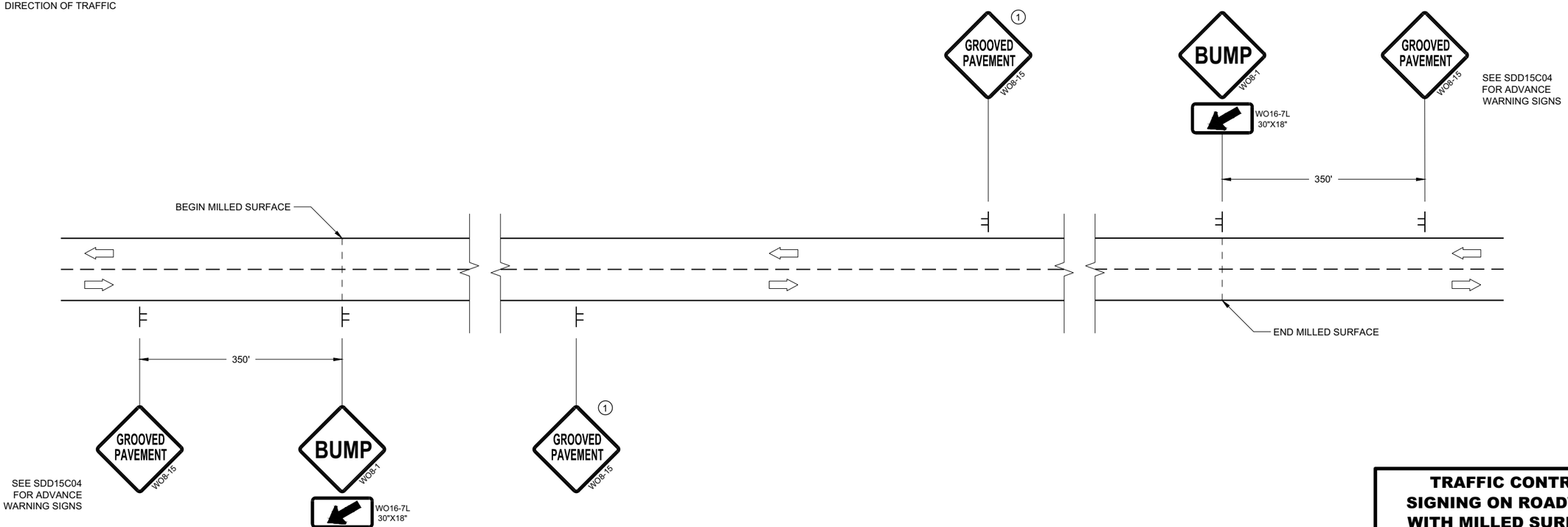
LEGEND

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 ENGINEER

FHWA

SDD 15D44 - 02

SDD 15D44 - 02

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 CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

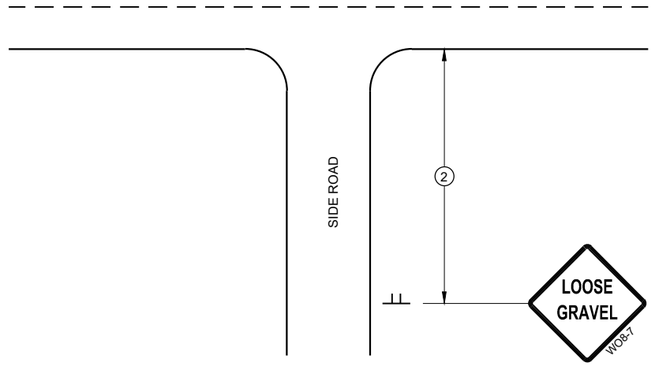
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

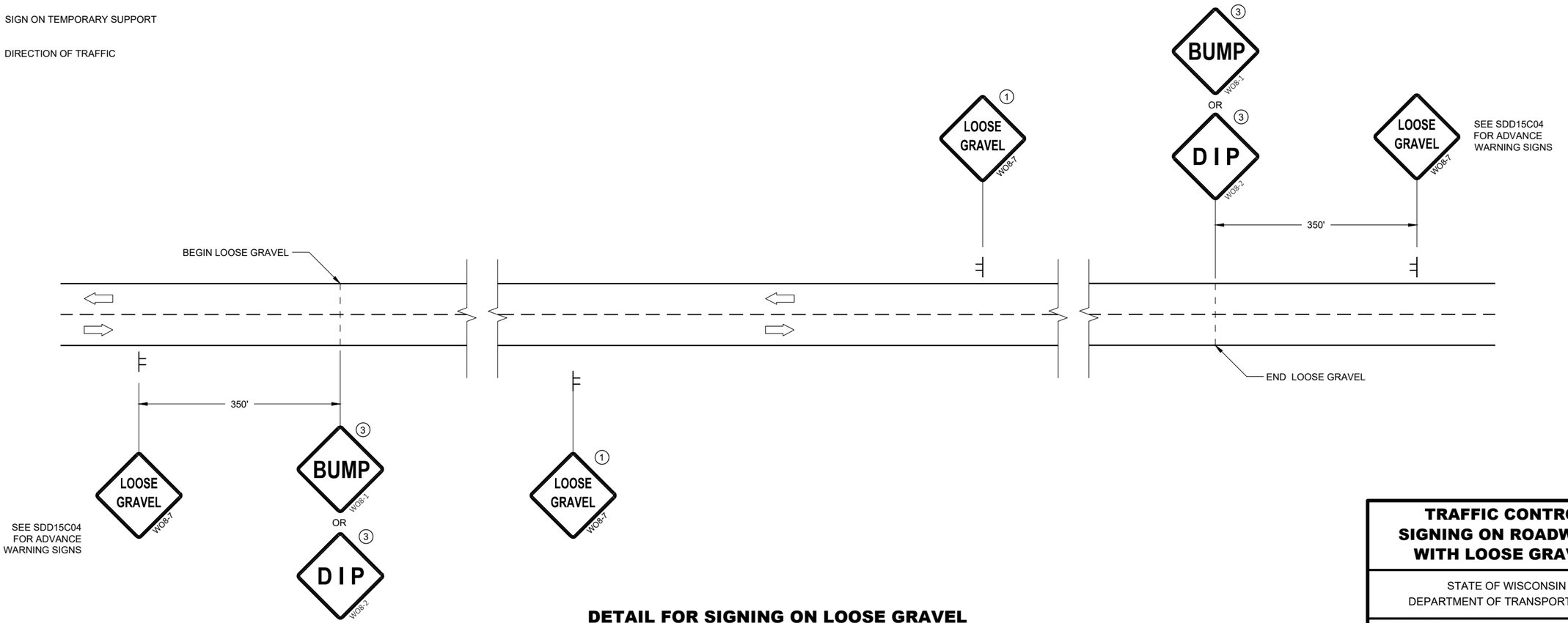
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

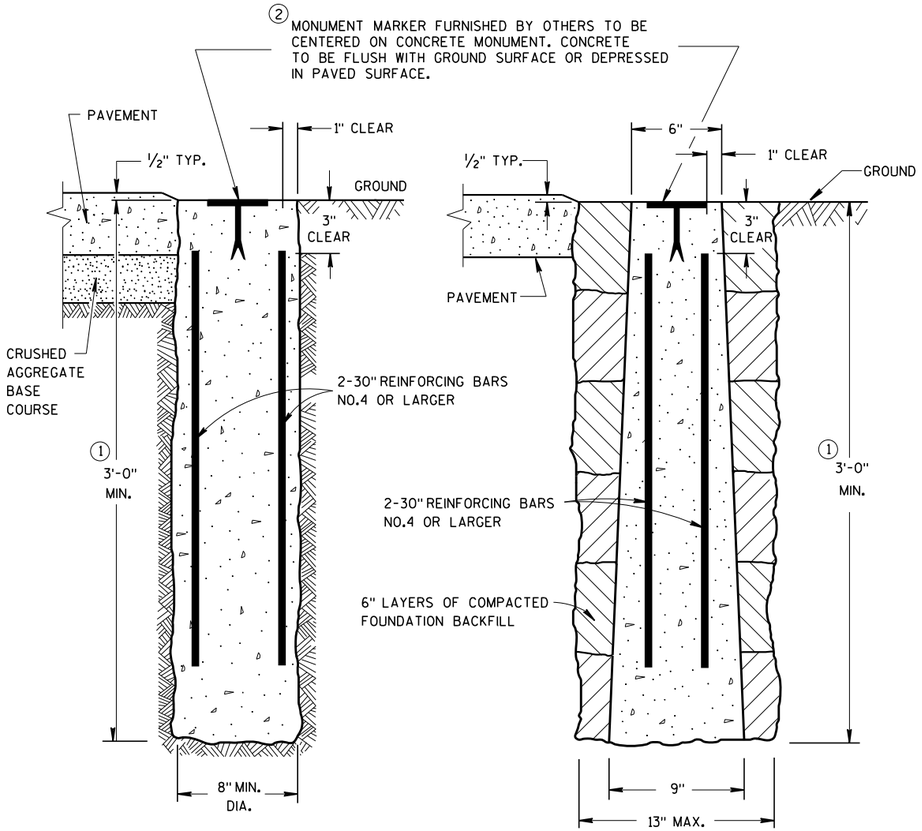
APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D45 - 03

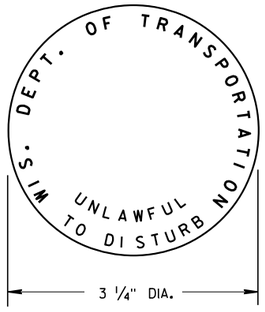


CAST-IN-PLACE

PRECAST

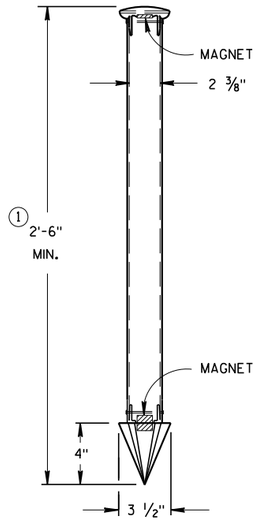
CONCRETE MONUMENTS

TYPE A



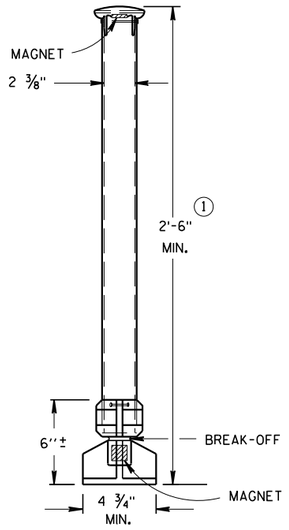
② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C", & "D"



TYPE C

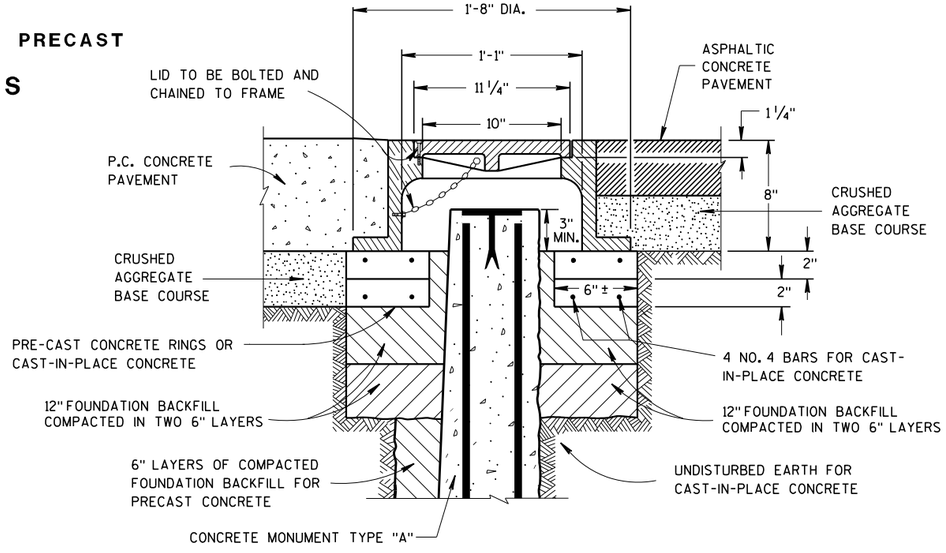
DRIVE-IN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT 95 LBS)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

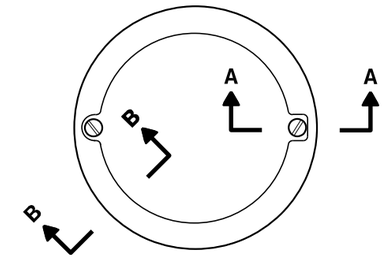
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

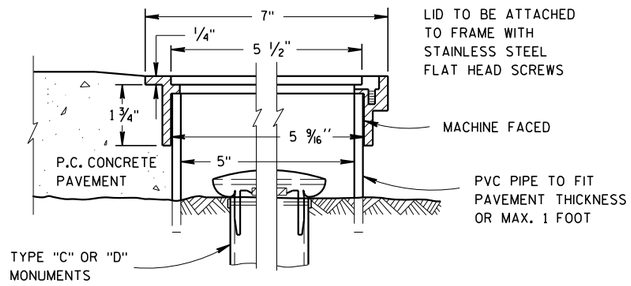
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

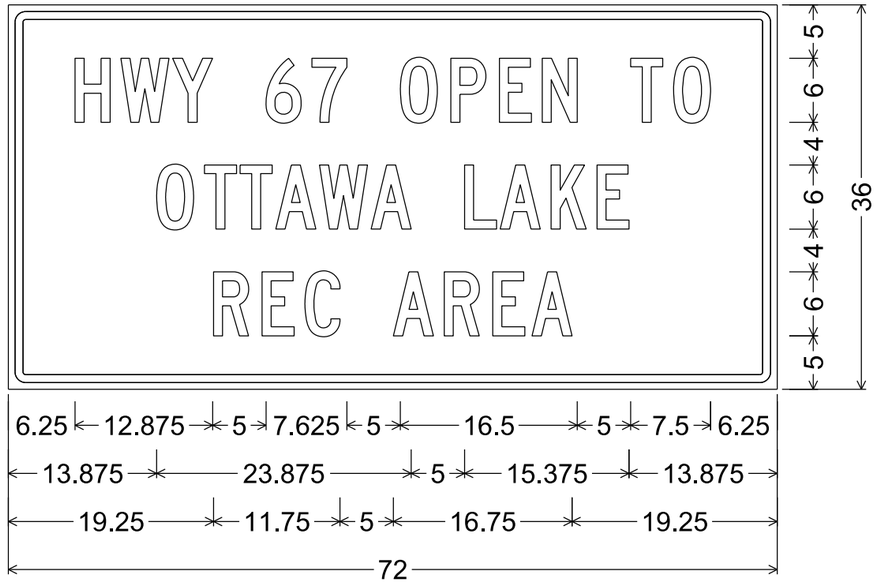
LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Raymond A. [illegible] — CHIEF SURVEYING AND MAPPING ENGINEER
FHWA

6

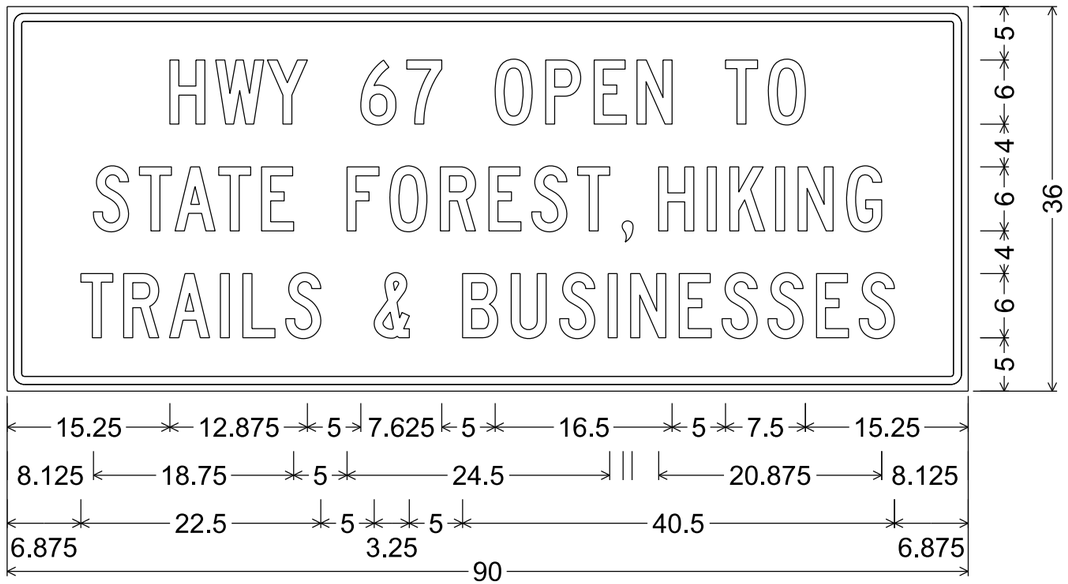
S.D.D. 16 A 1-7



1.625" Radius, 0.750" Border, 0.625" Indent

NOTES

1. Fixed Message Signs - Type II Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C

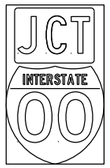


1.625" Radius, 0.750" Border, 0.625" Indent

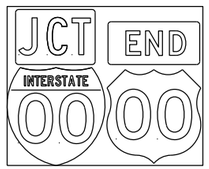
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7

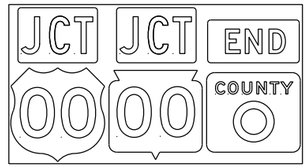
TYPICAL ASSEMBLIES



J1-1



J1-2



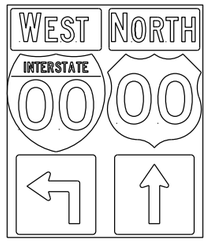
J1-3



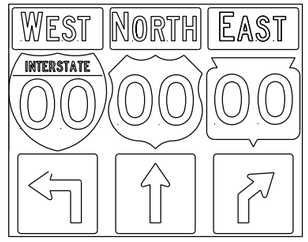
JR1-1



J2-1



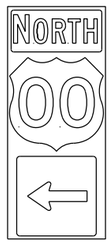
J2-2



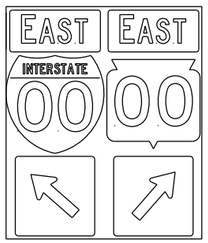
J2-3



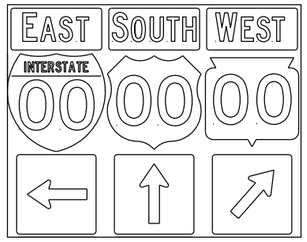
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



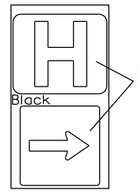
J3-1



J3-2



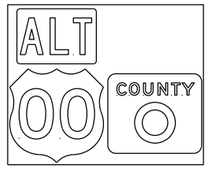
J3-3



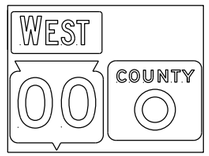
Blue Background
JH-1



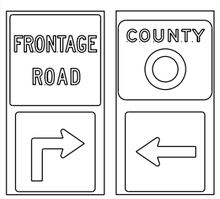
J4-1



J4-2



J4-2



J12-1

J13-1



J32-1



J33-1



J22-1



J23-1



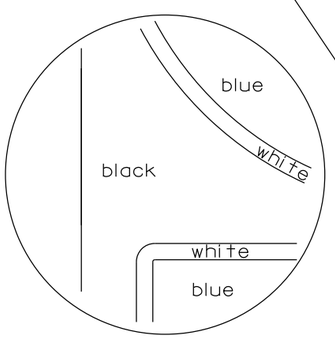
JR13-1



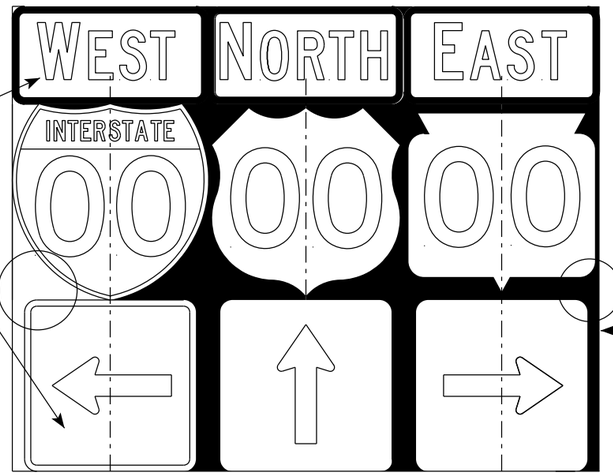
JR23-1

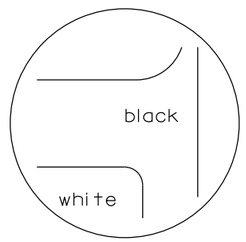


JR99-1



blue background
with interstate





black background

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

SHEET NO: 218 E

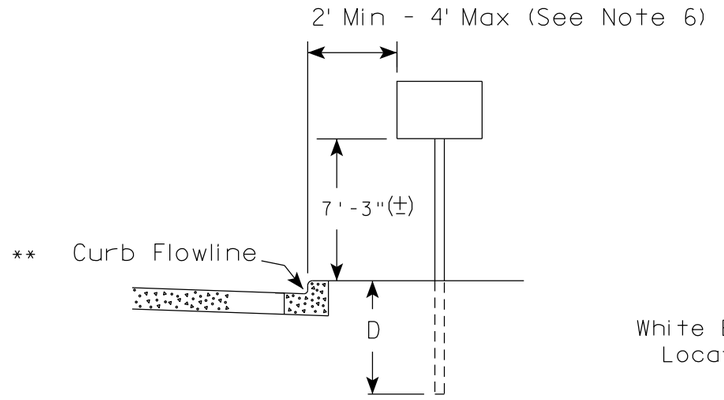
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

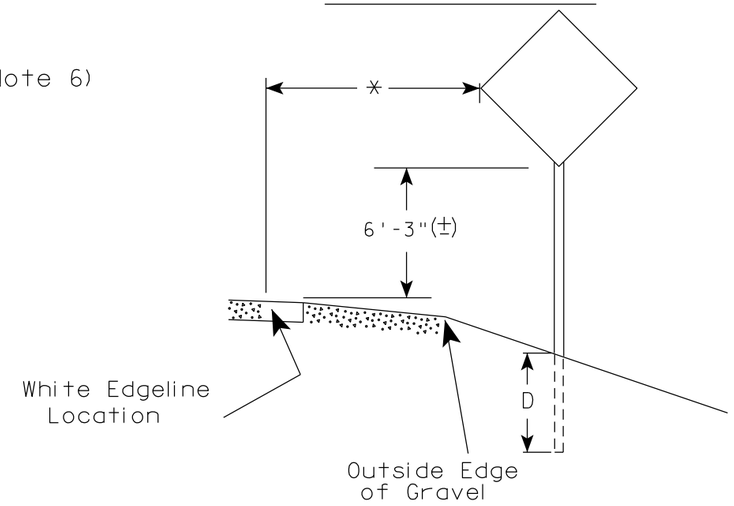
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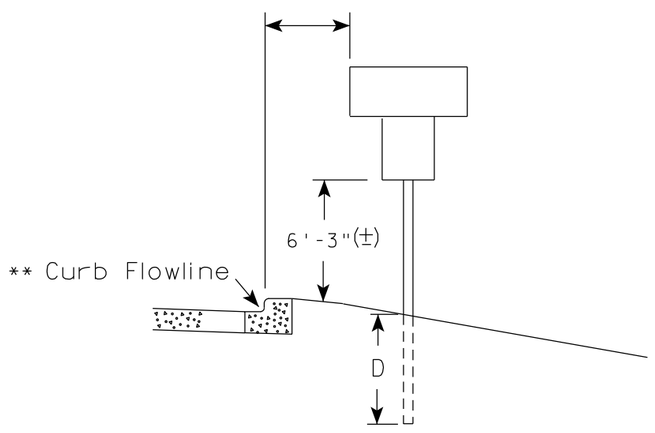
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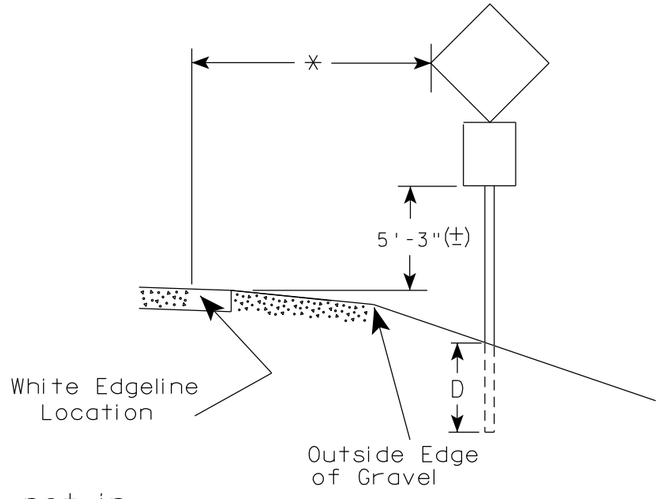
URBAN AREA



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.

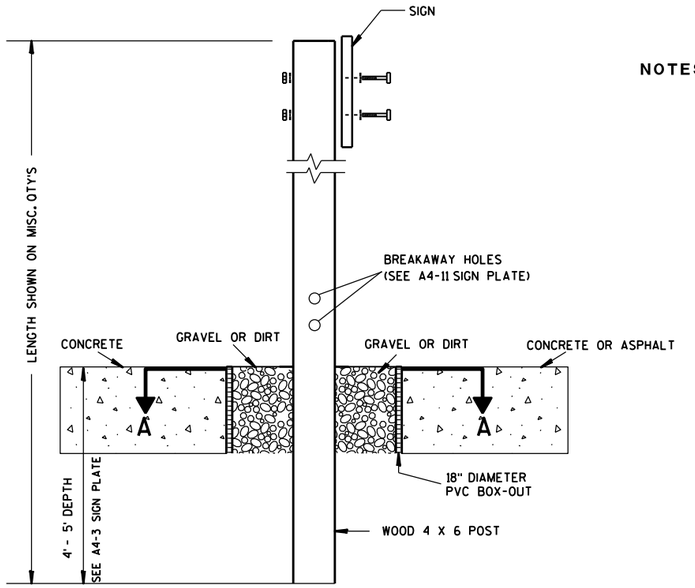
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

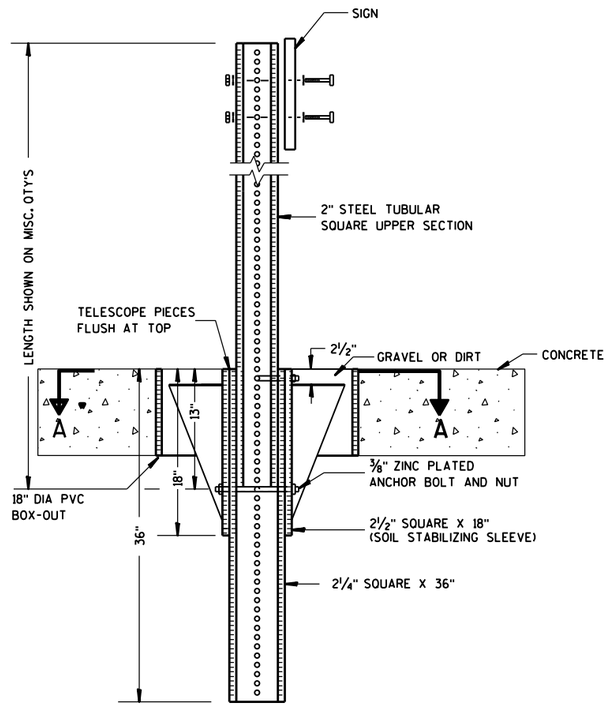
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 219	E



ELEVATION VIEW

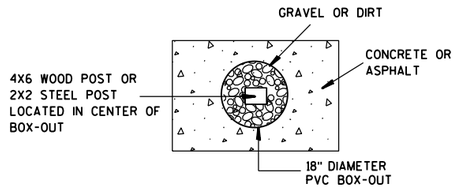
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

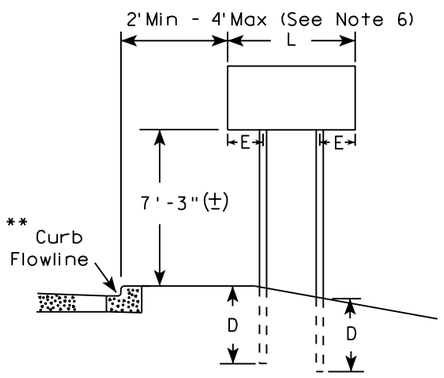
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

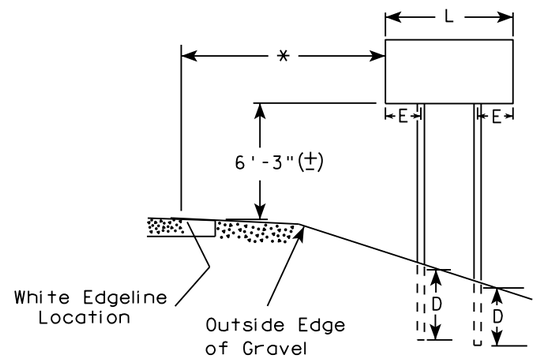
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

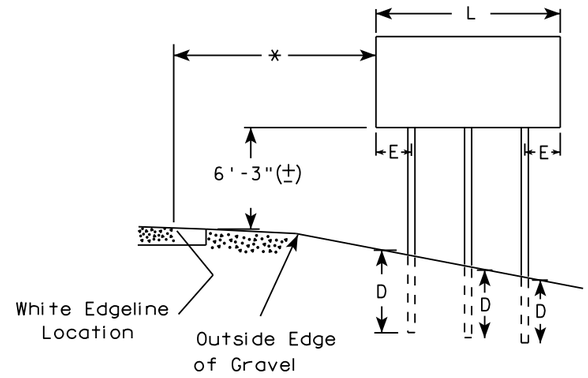
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

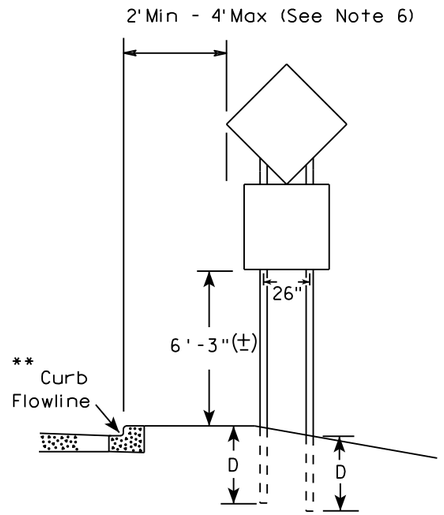
URBAN AREA



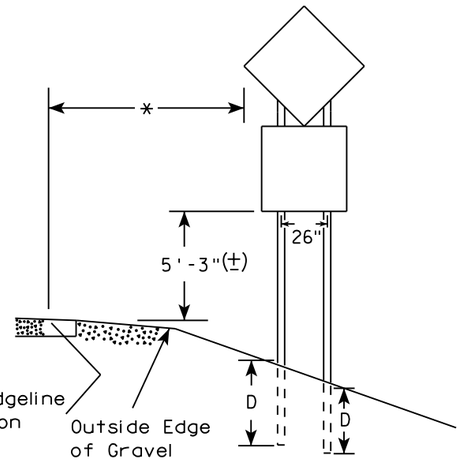
RURAL AREA (See Note 3)







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'

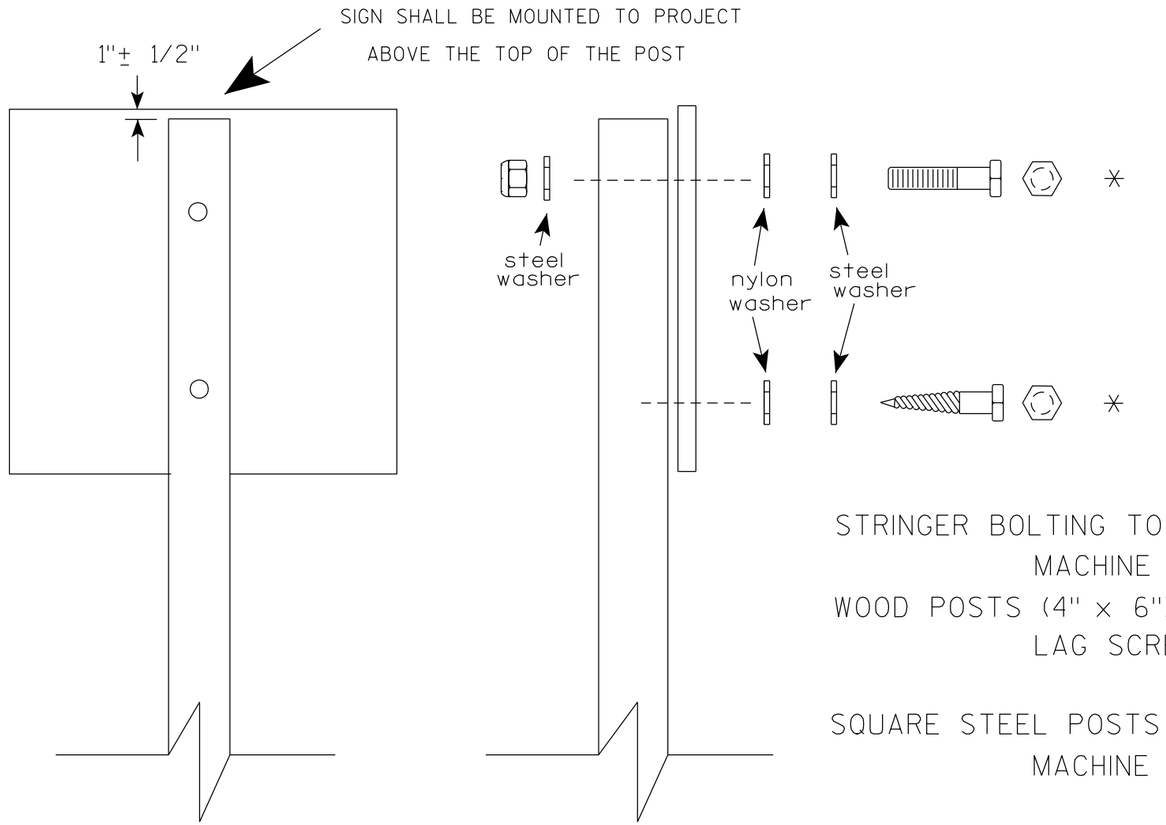
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 221	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

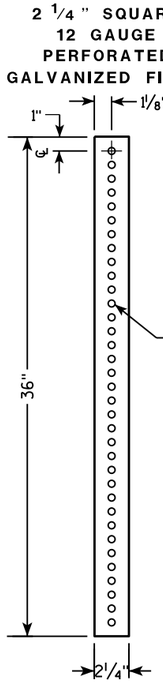
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

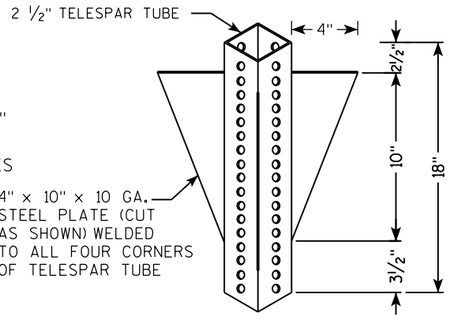
SHEET NO: 222 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

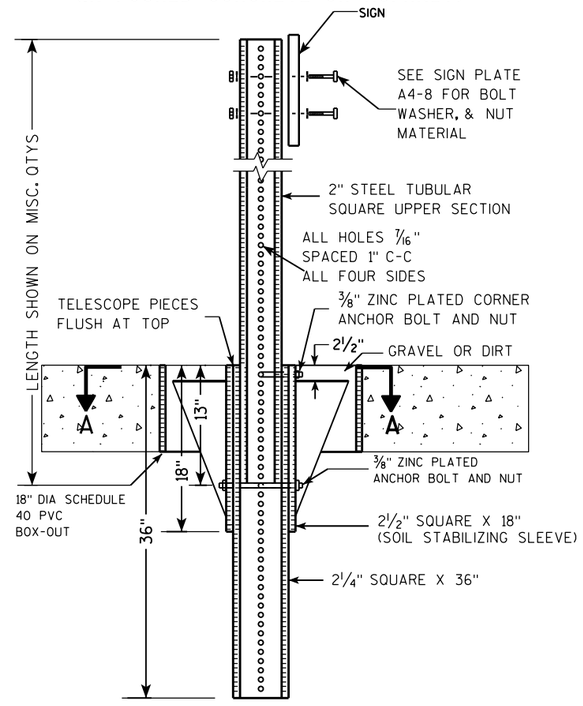
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



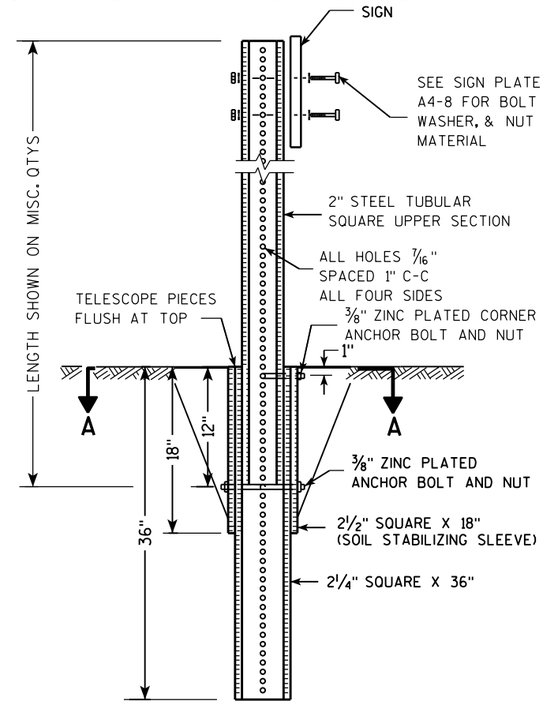
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

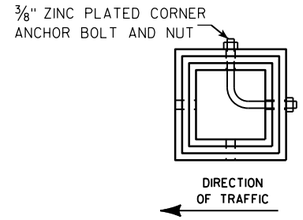


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

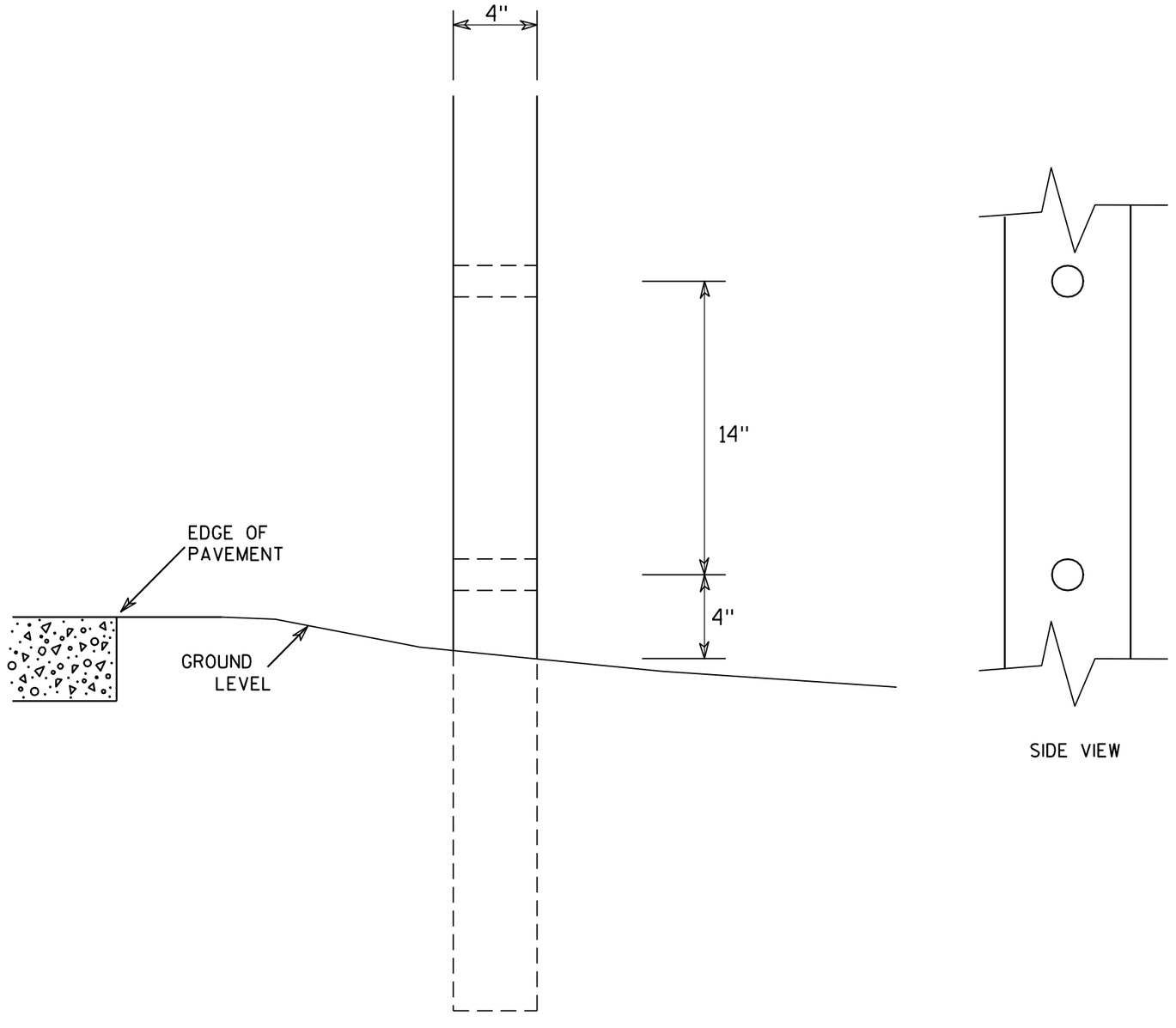
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 223 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.

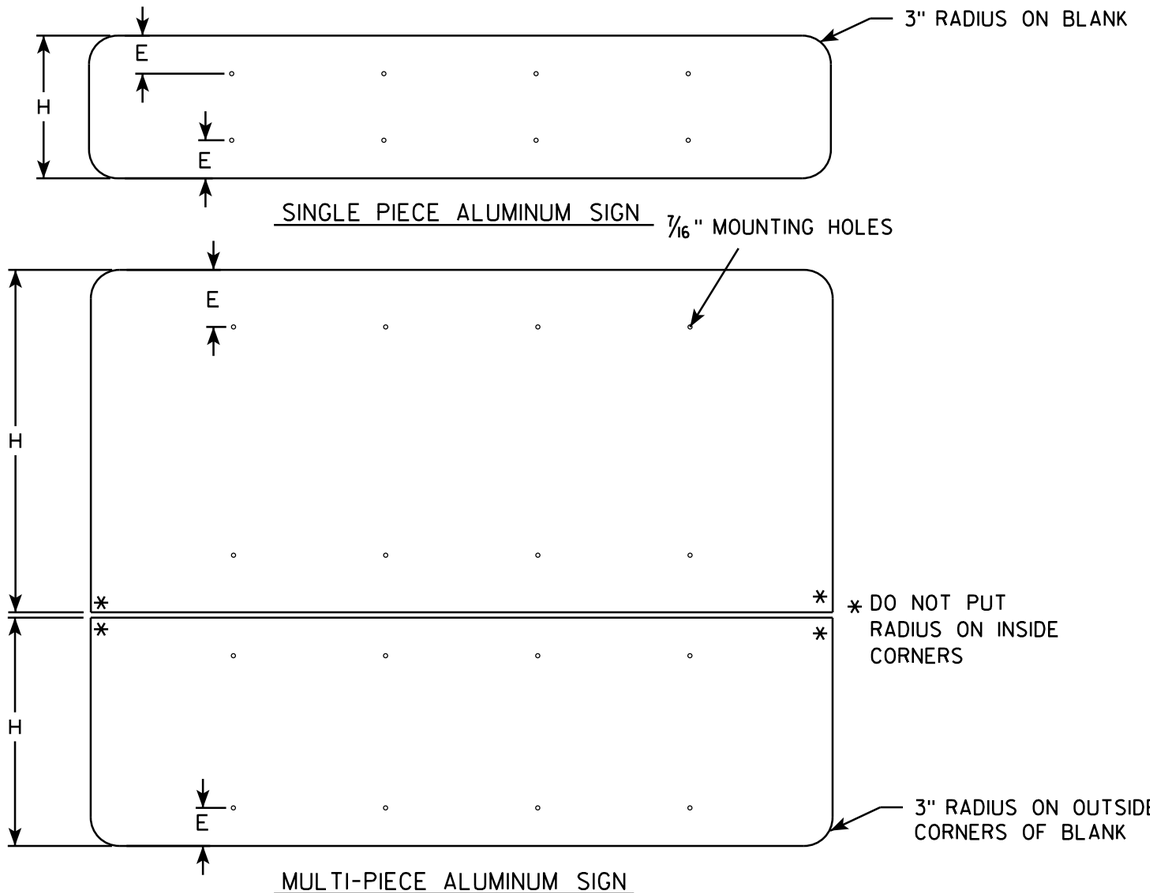
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

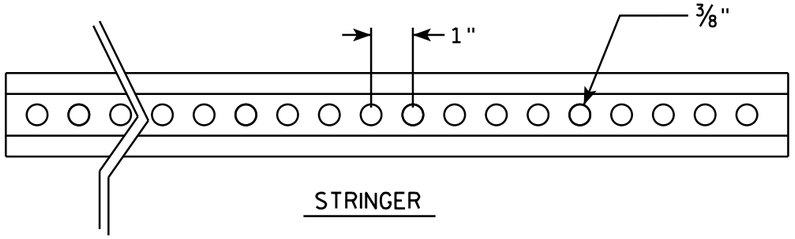
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 224	E



GENERAL NOTES

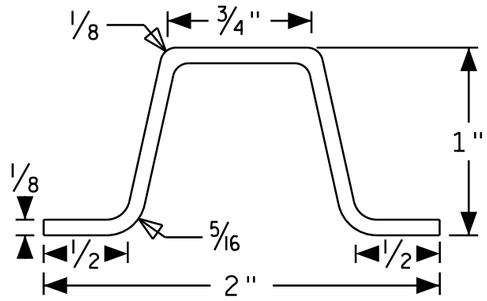
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

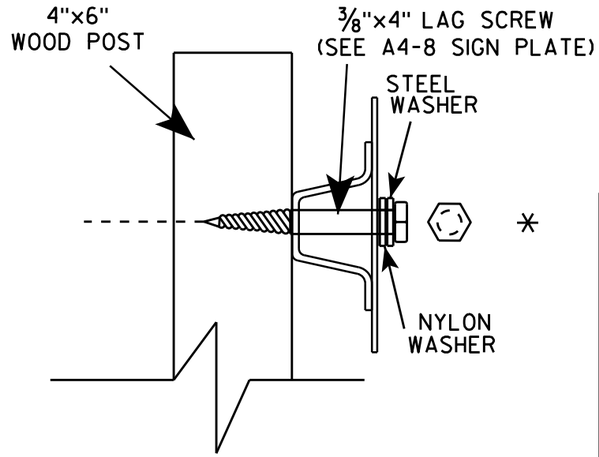


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

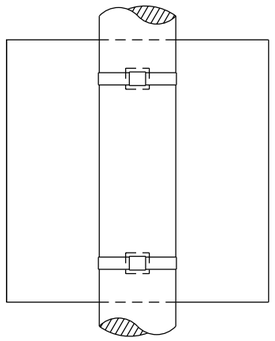
DATE 4/26/16 PLATE NO A4-18.1

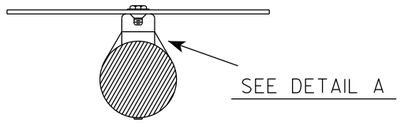
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

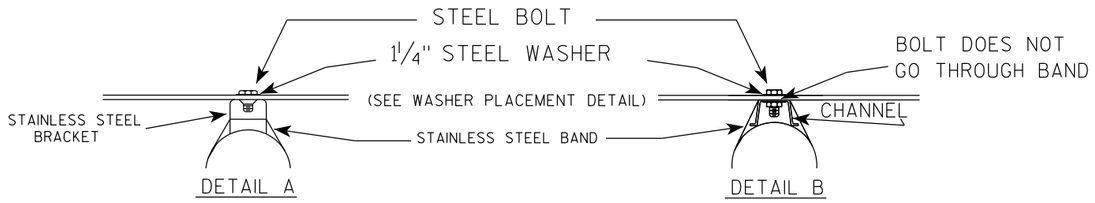
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BANDING

SINGLE SIGN



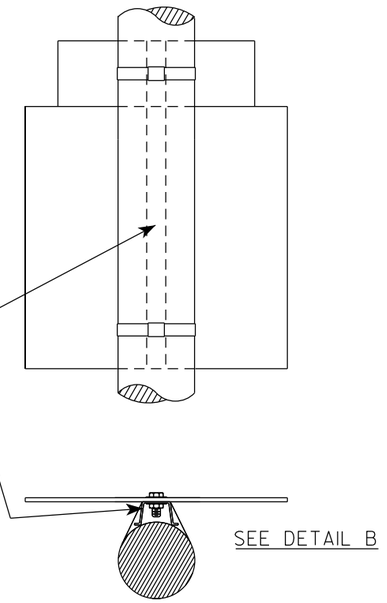




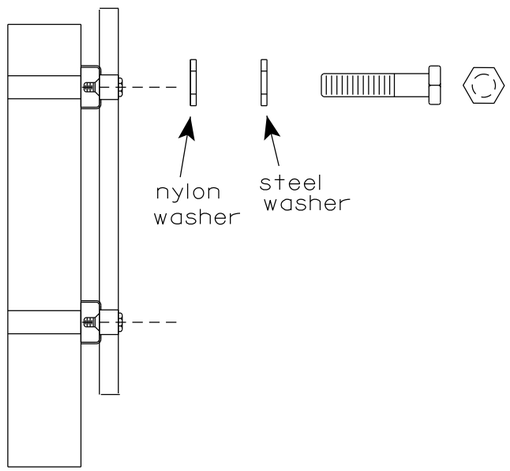
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

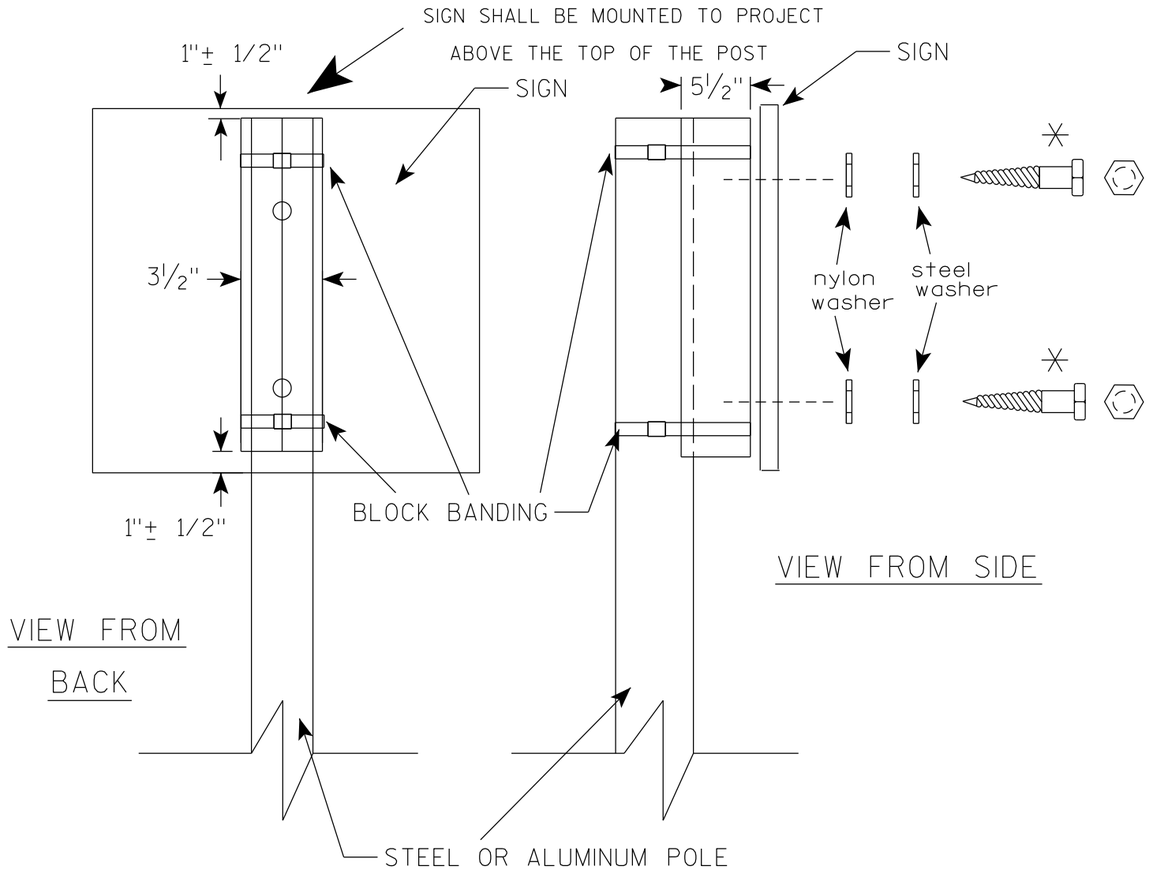
WISCONSIN DEPT OF TRANSPORTATION

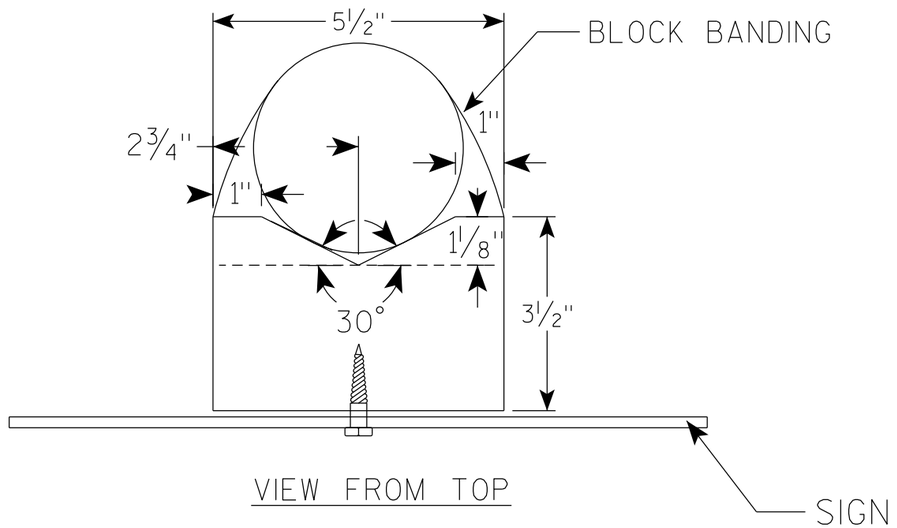
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 226	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

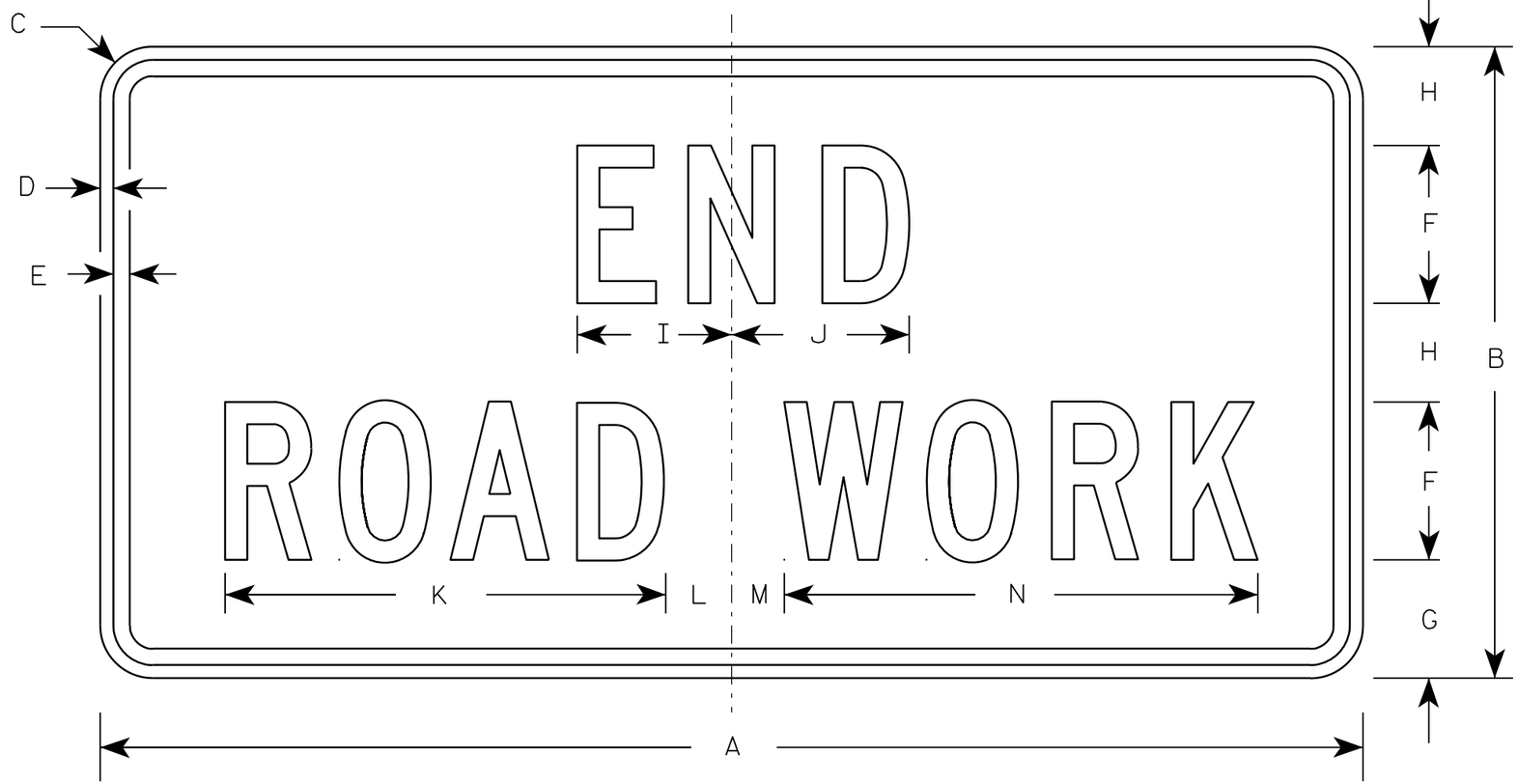
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO: | SHEET NO: 227 | 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

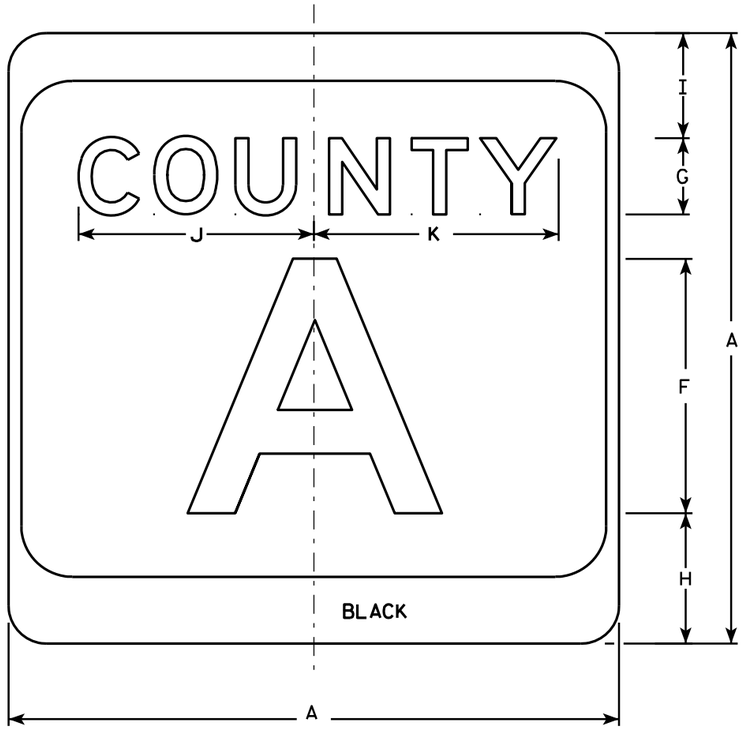
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

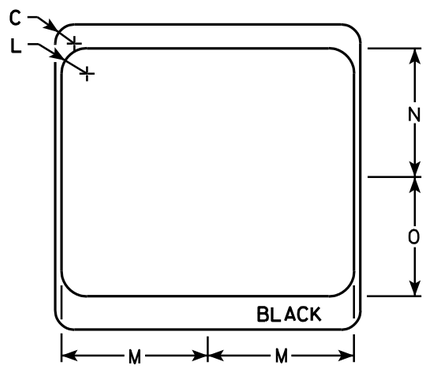
APPROVED Matthew R Rauch
for State Traffic Engineer

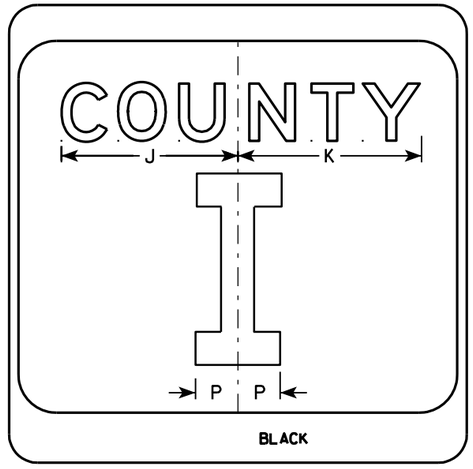
DATE 9/30/09 PLATE NO. G20-2A.8

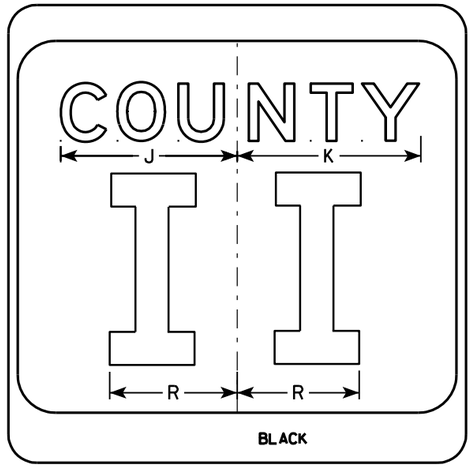
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 228	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   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. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

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			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

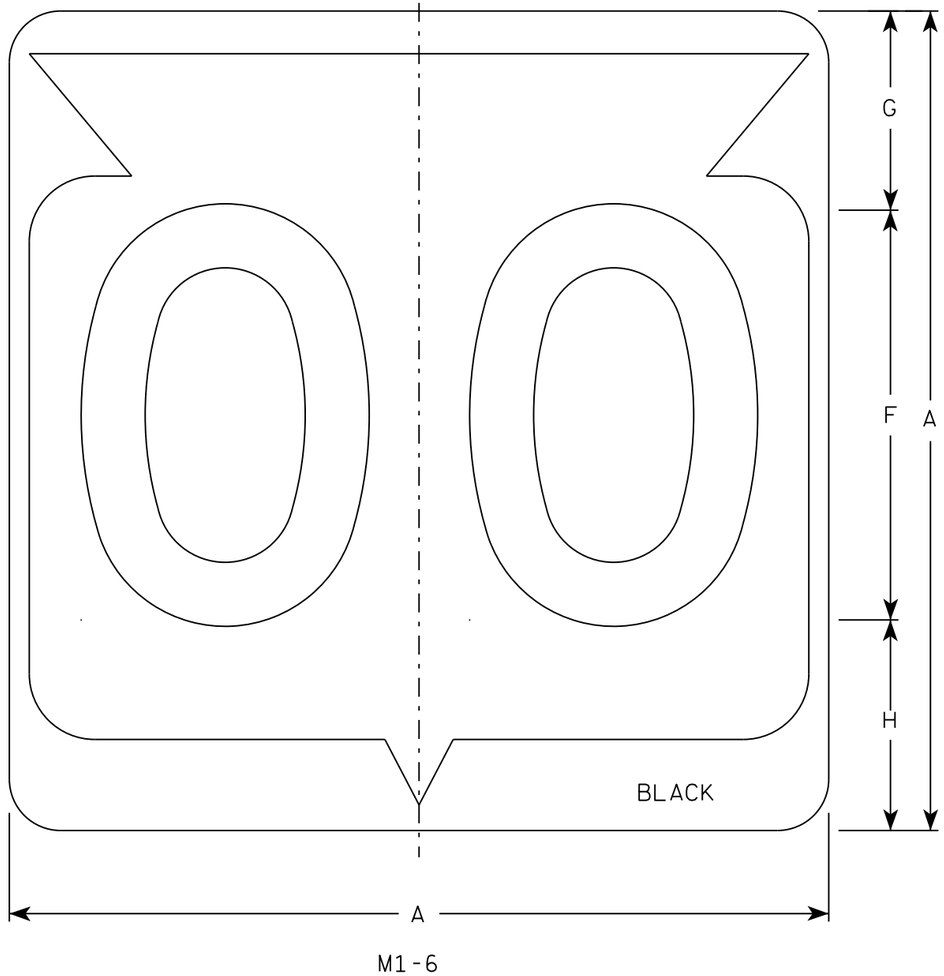
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

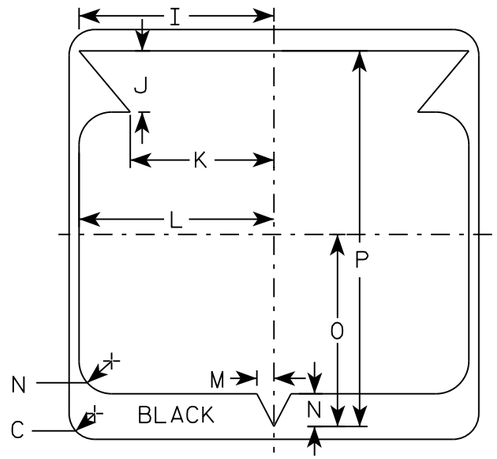
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 229 | E



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

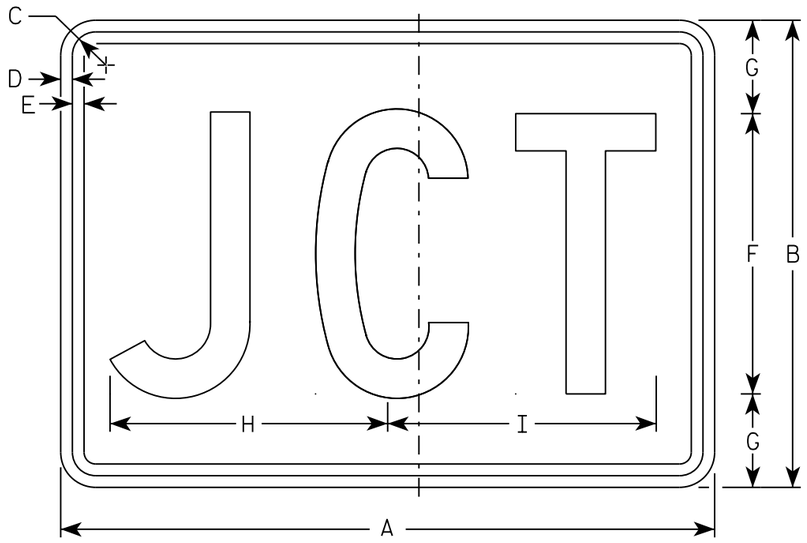
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

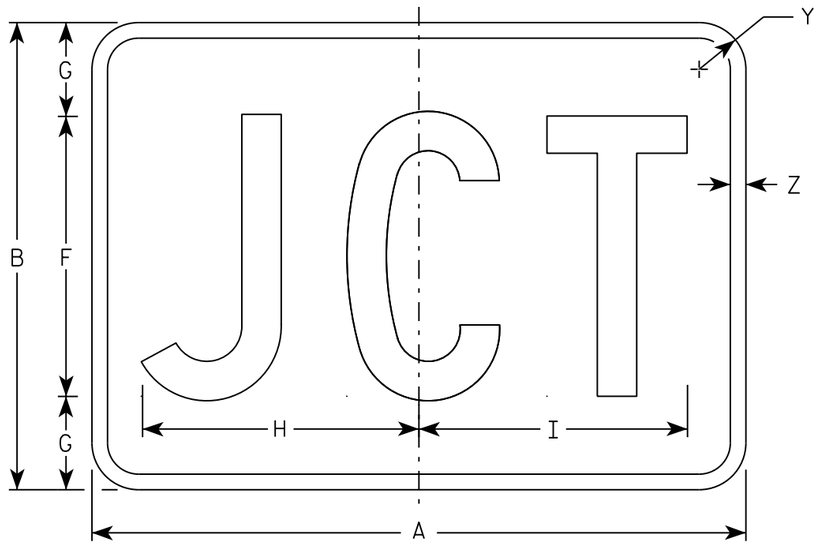
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 230 E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

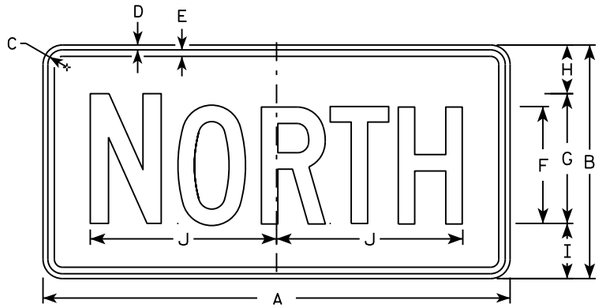
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

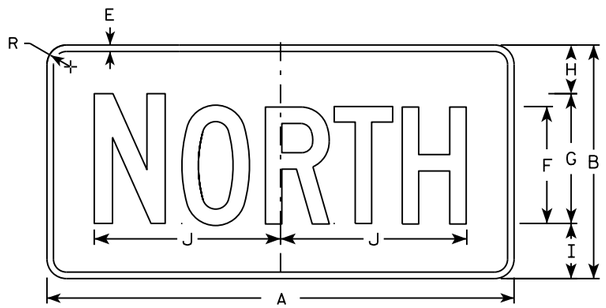
DATE 10/15/15 PLATE 231 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



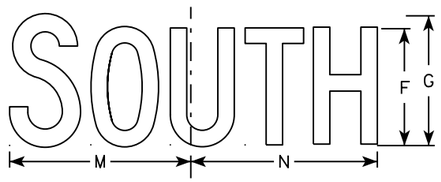
MB3-1
MK3-1
MN3-1



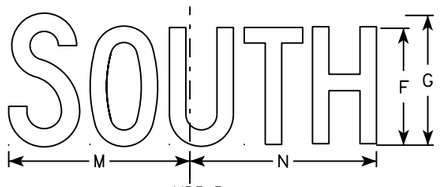
M3-2
MM3-2
MP3-2



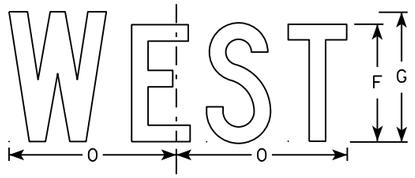
MB3-2
MK3-2
MN3-2



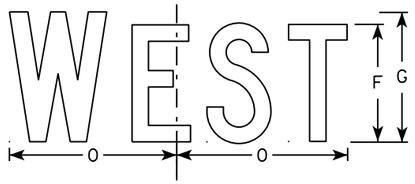
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

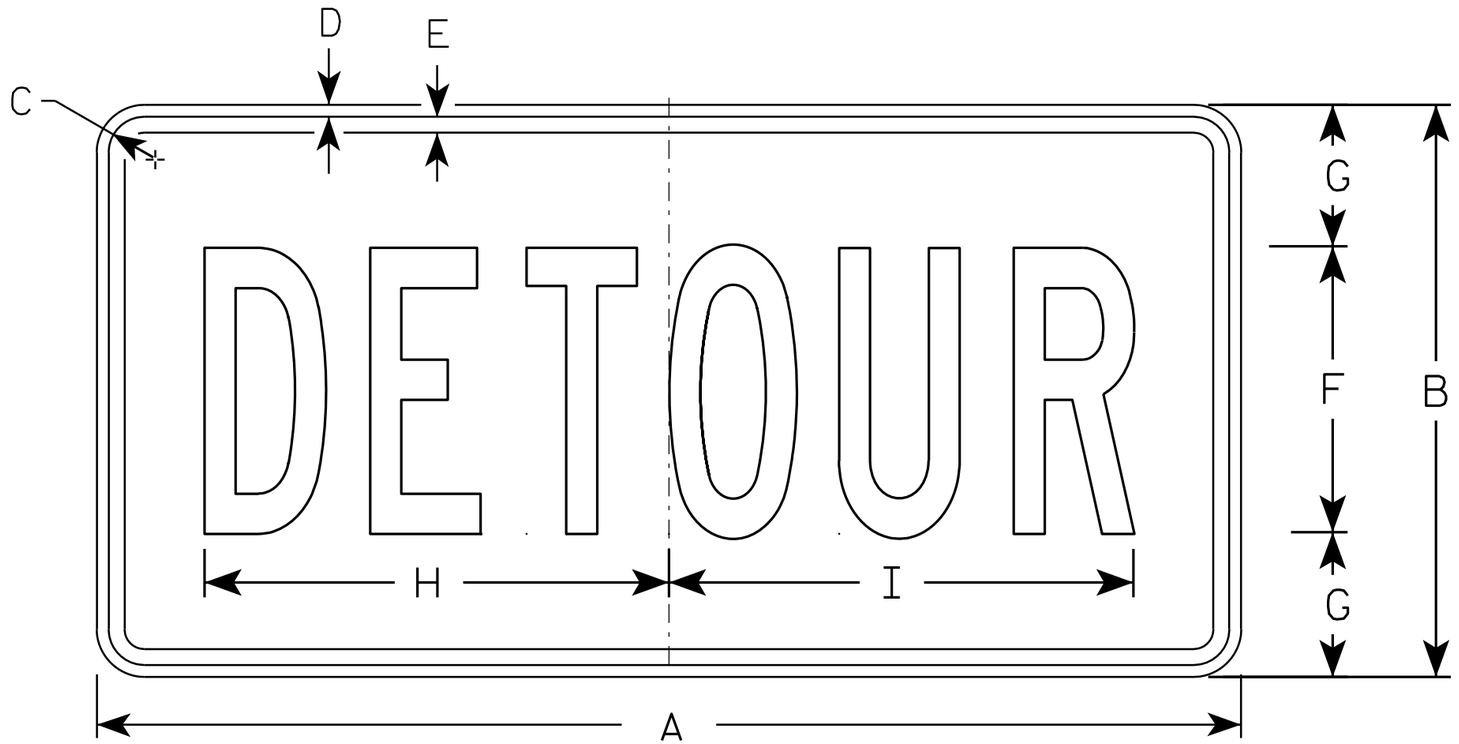
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

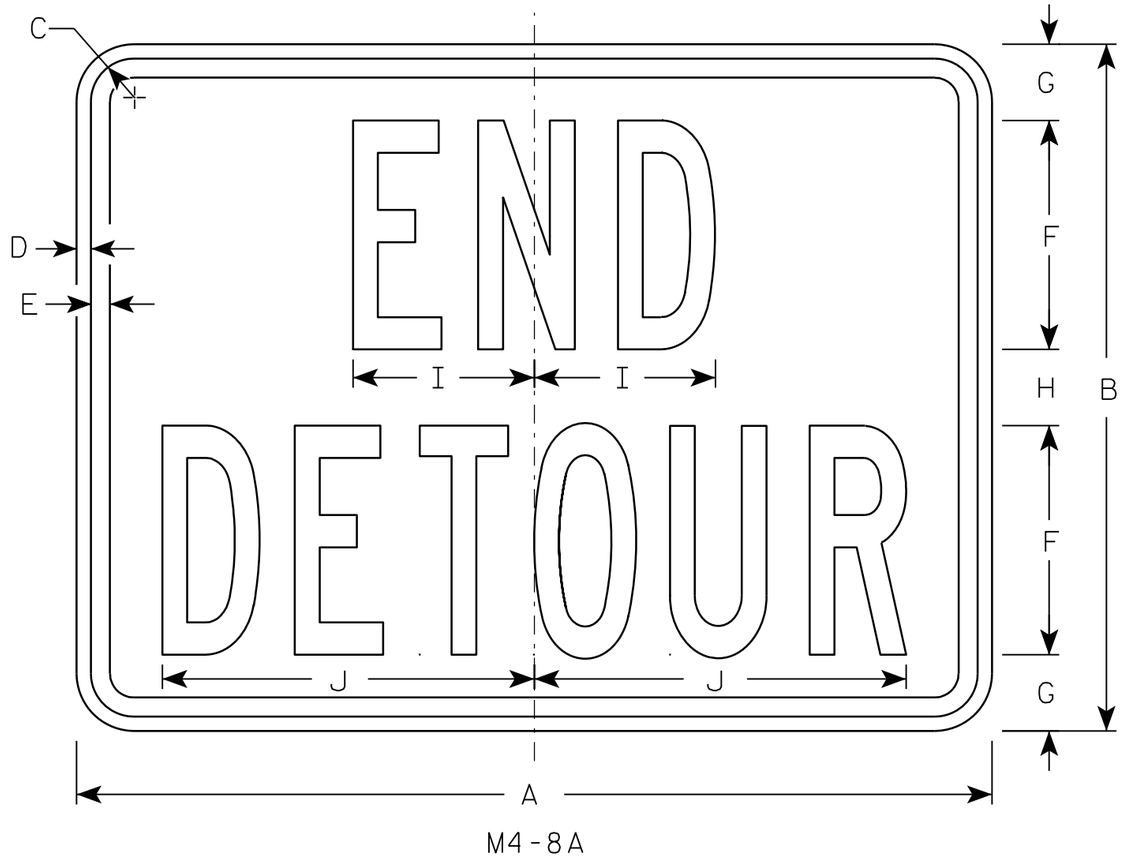
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 233	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

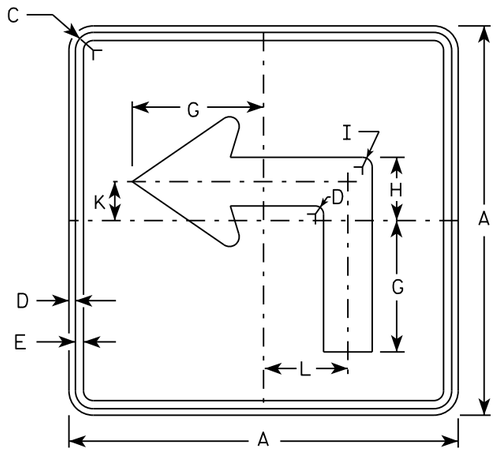
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

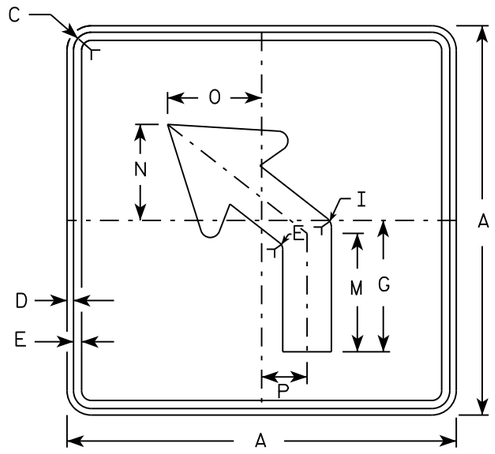
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

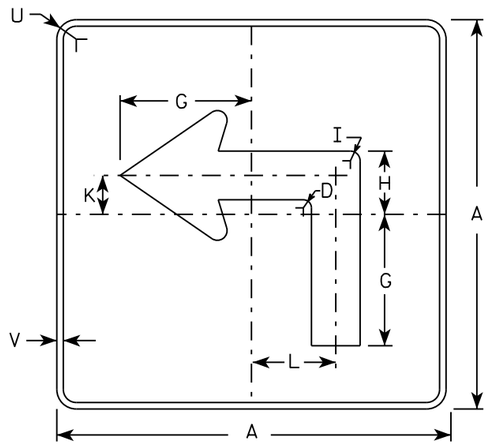
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 234	E



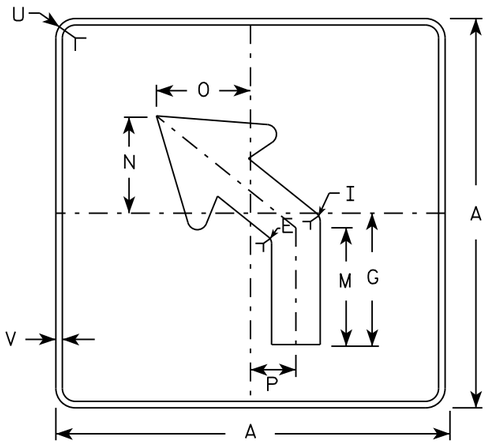
M5-1L
MM5-1L
MO5-1L
MP5-1L



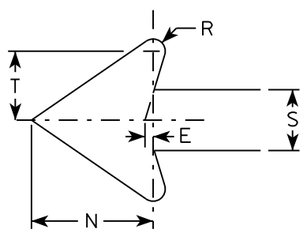
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

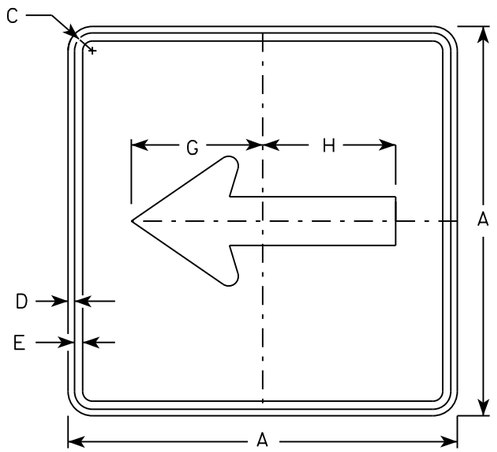
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

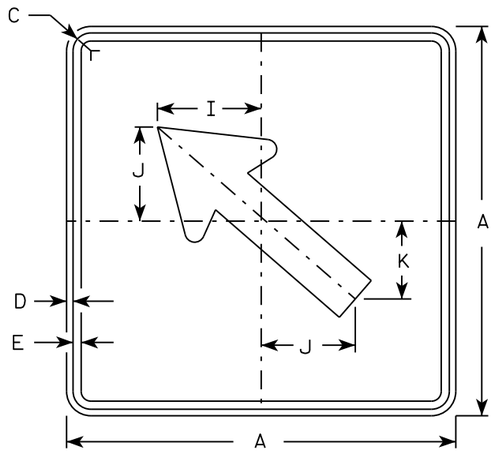
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



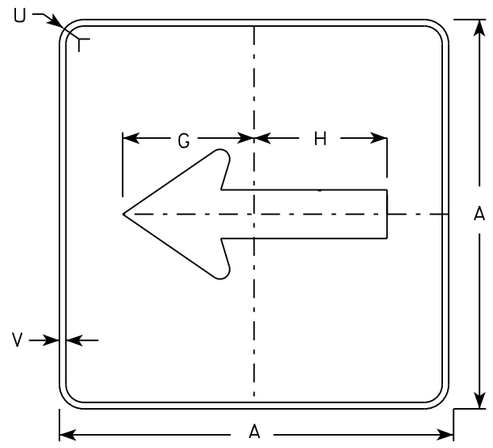
M6-1
MM6-1
MO6-1
MP6-1



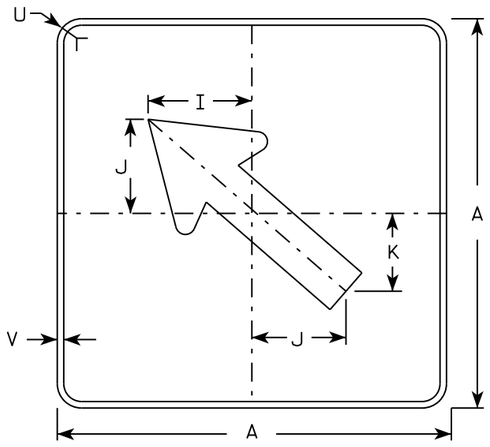
M6-2
MM6-2
MO6-2
MP6-2

NOTES

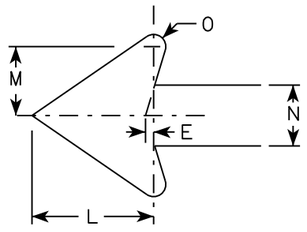
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

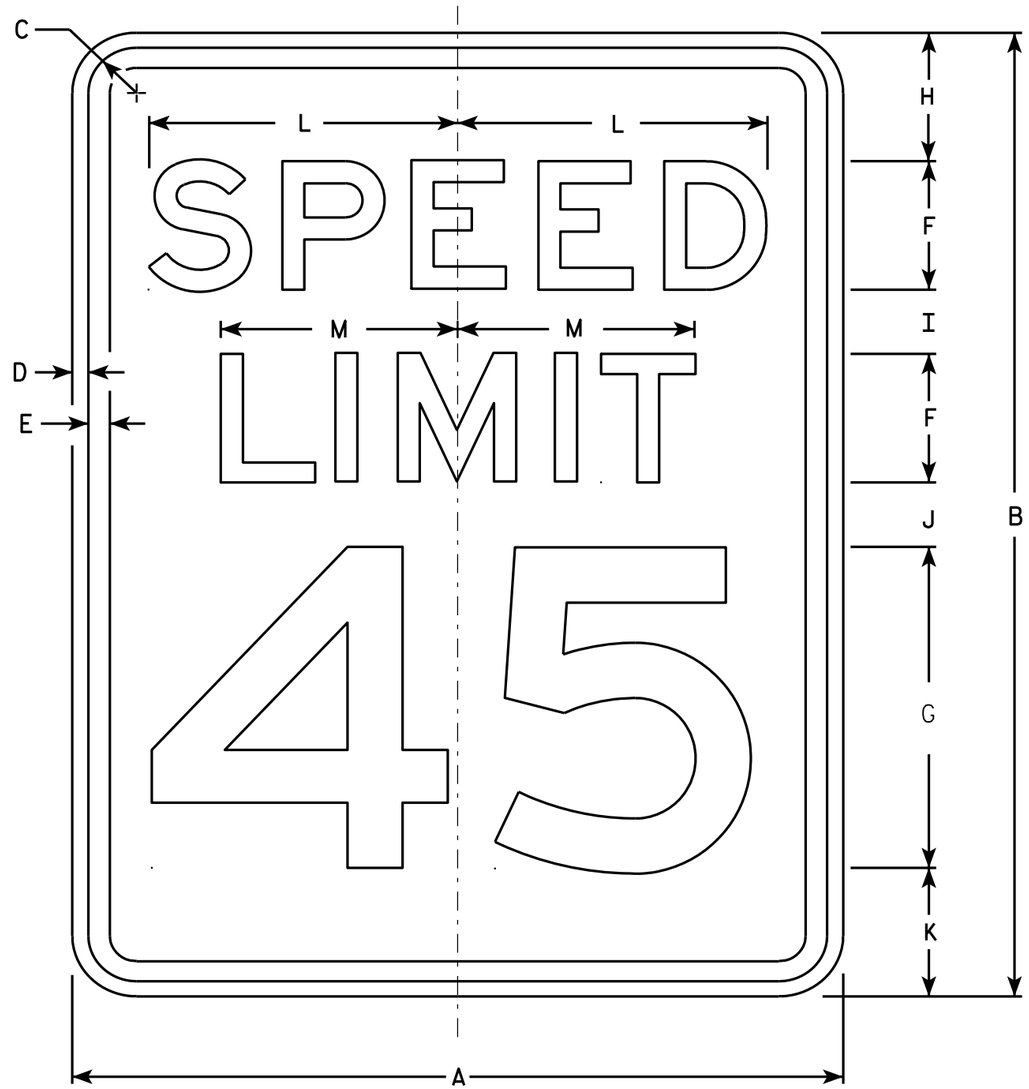
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 236 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

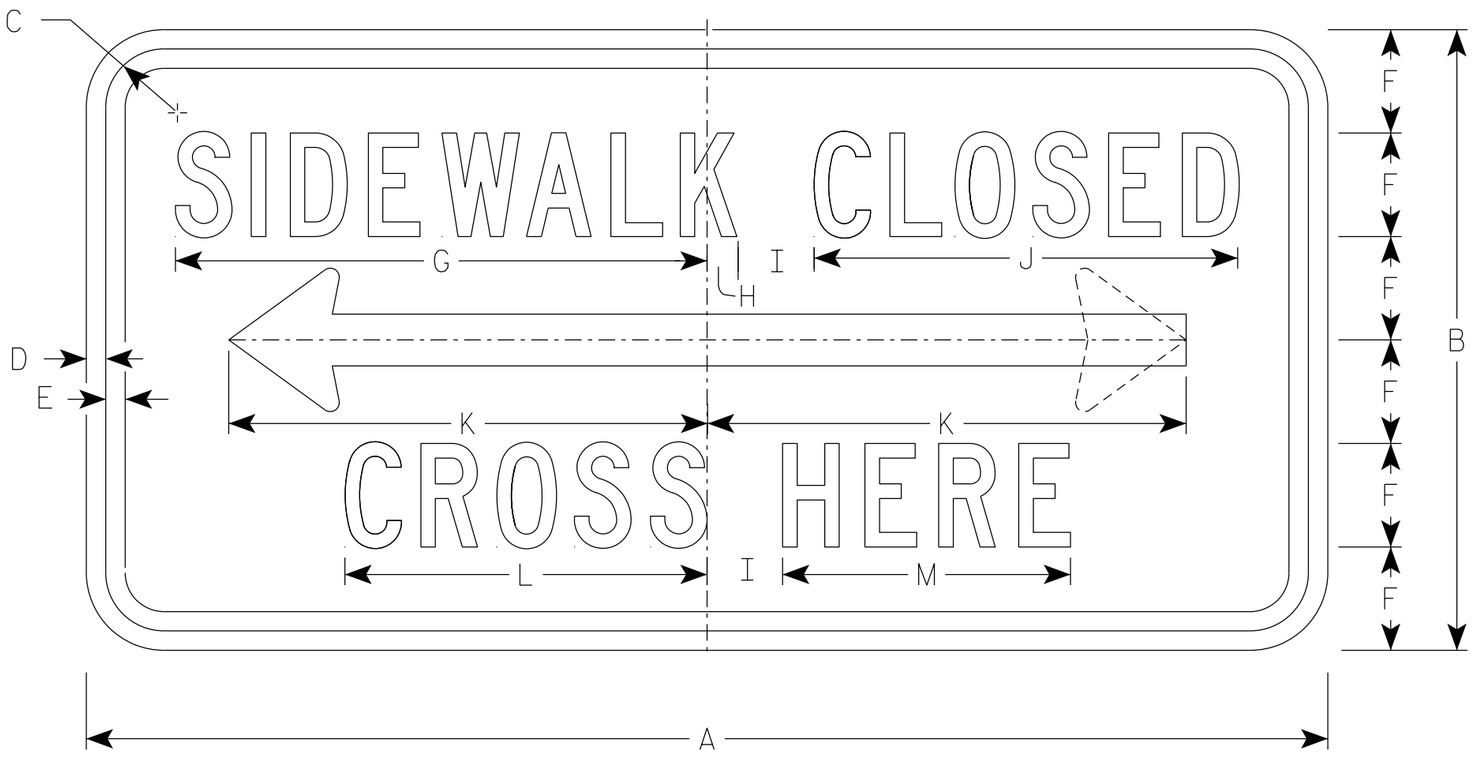
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

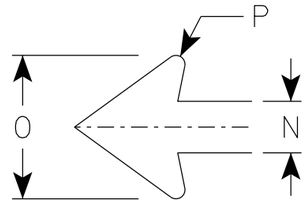
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 237 | E



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																											

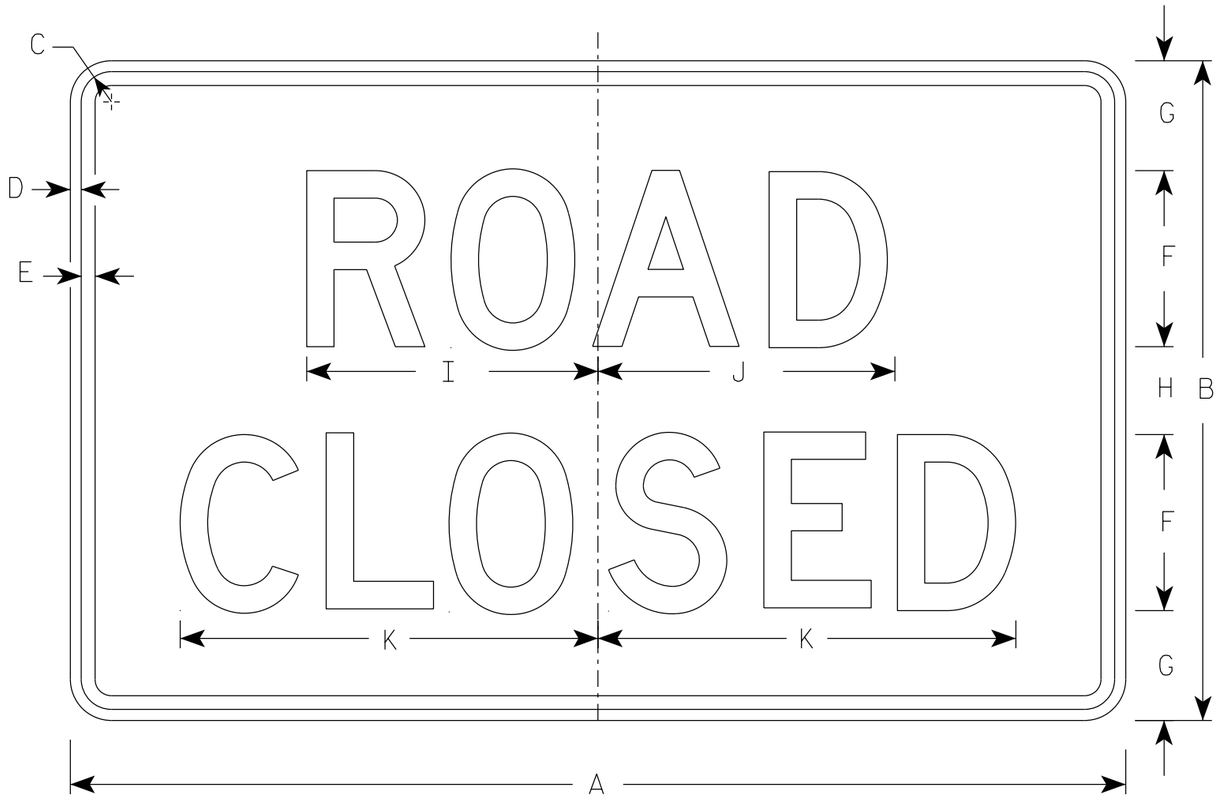
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R9-11A.5

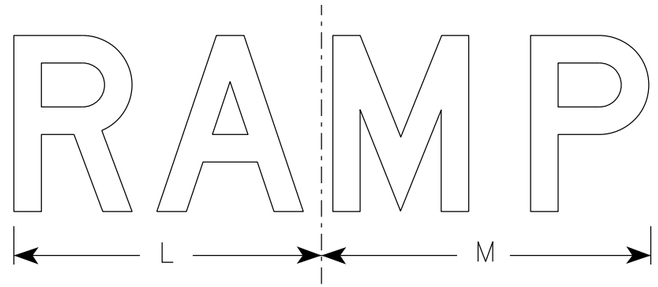
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 238 | E



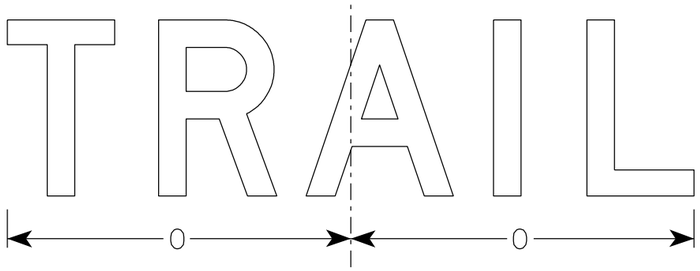
R11-2

NOTES

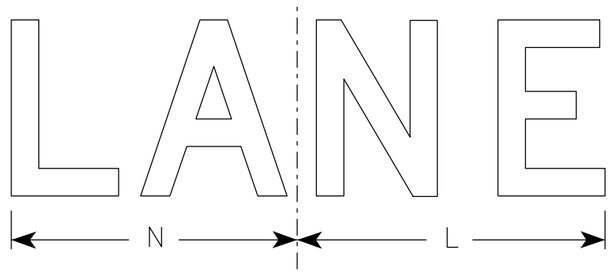
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

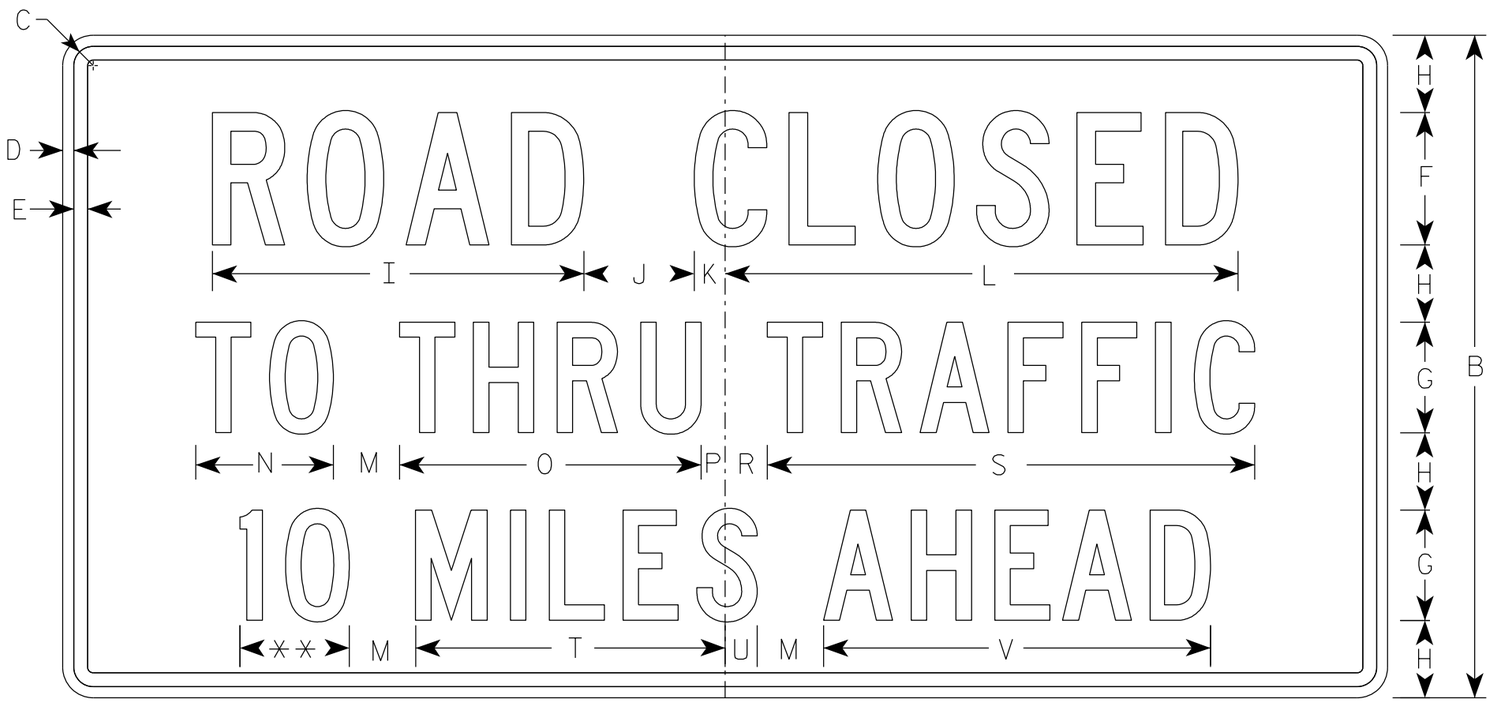
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 239	E

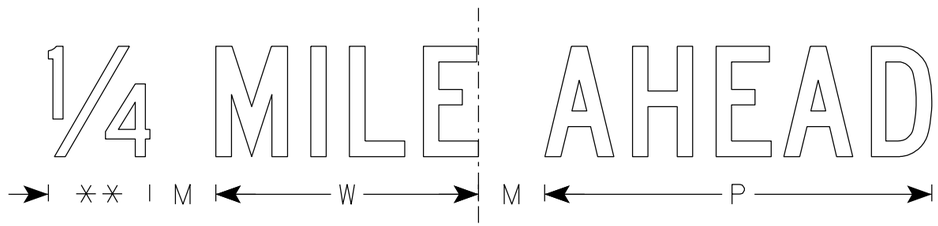
NOTES

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. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



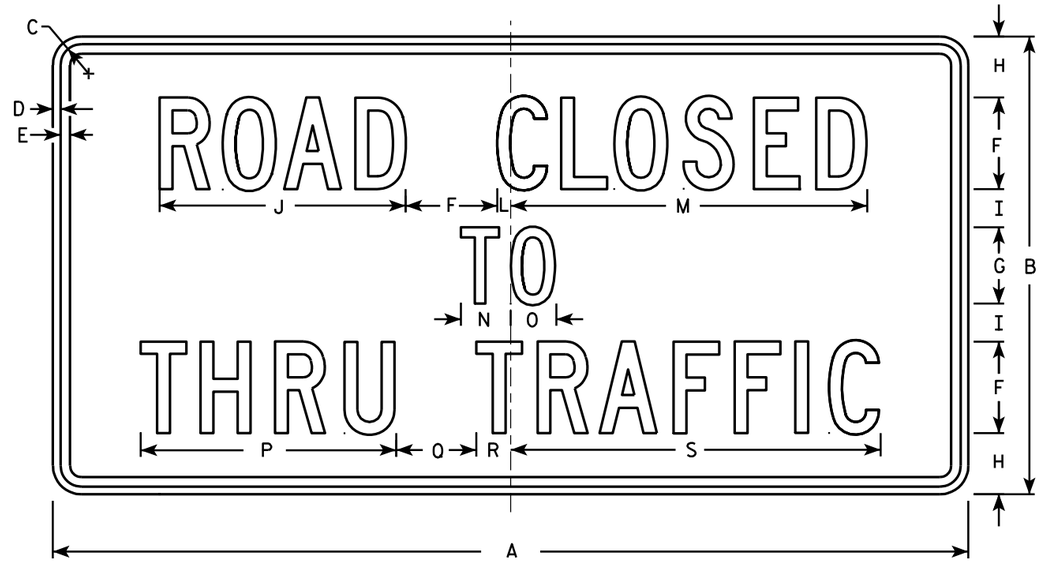
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 6/14/2021 PLATE NO. R11-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 240	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

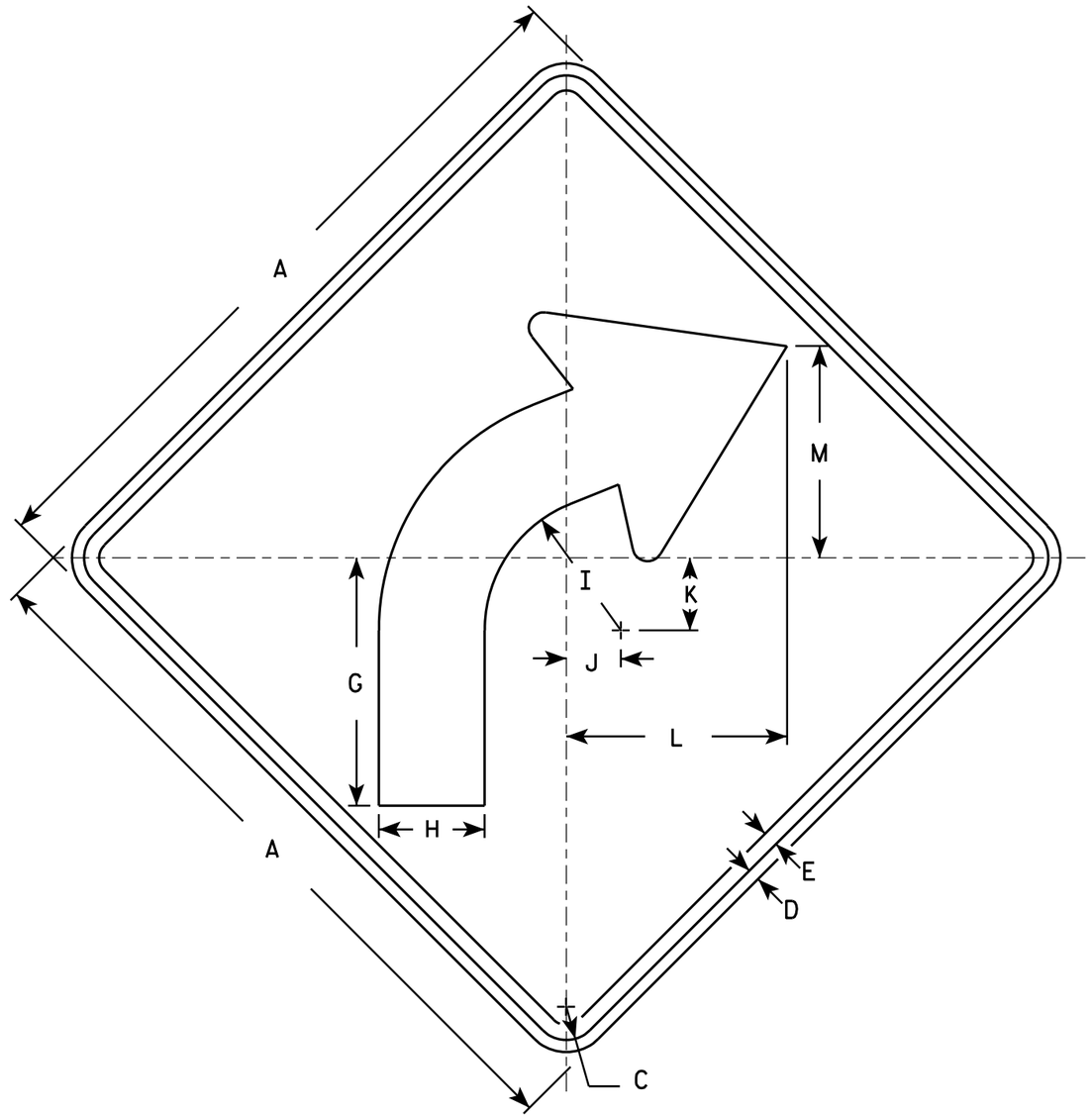
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

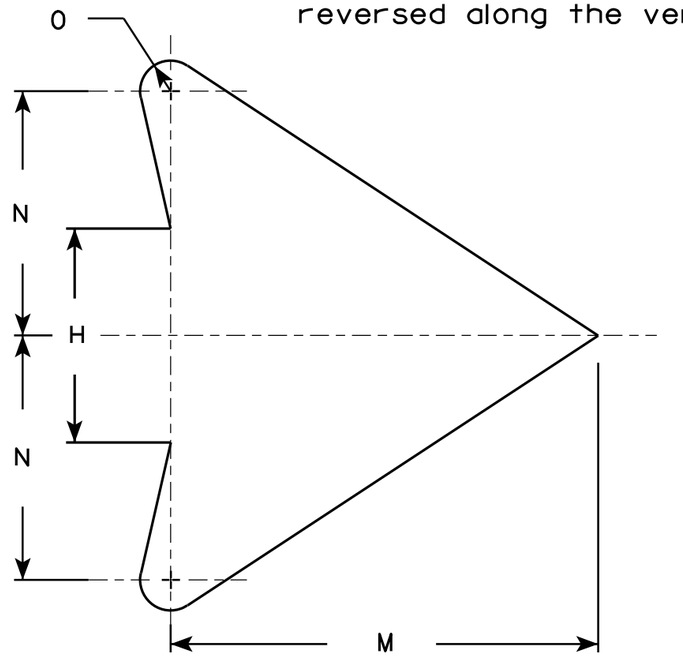
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 241 | E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



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		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

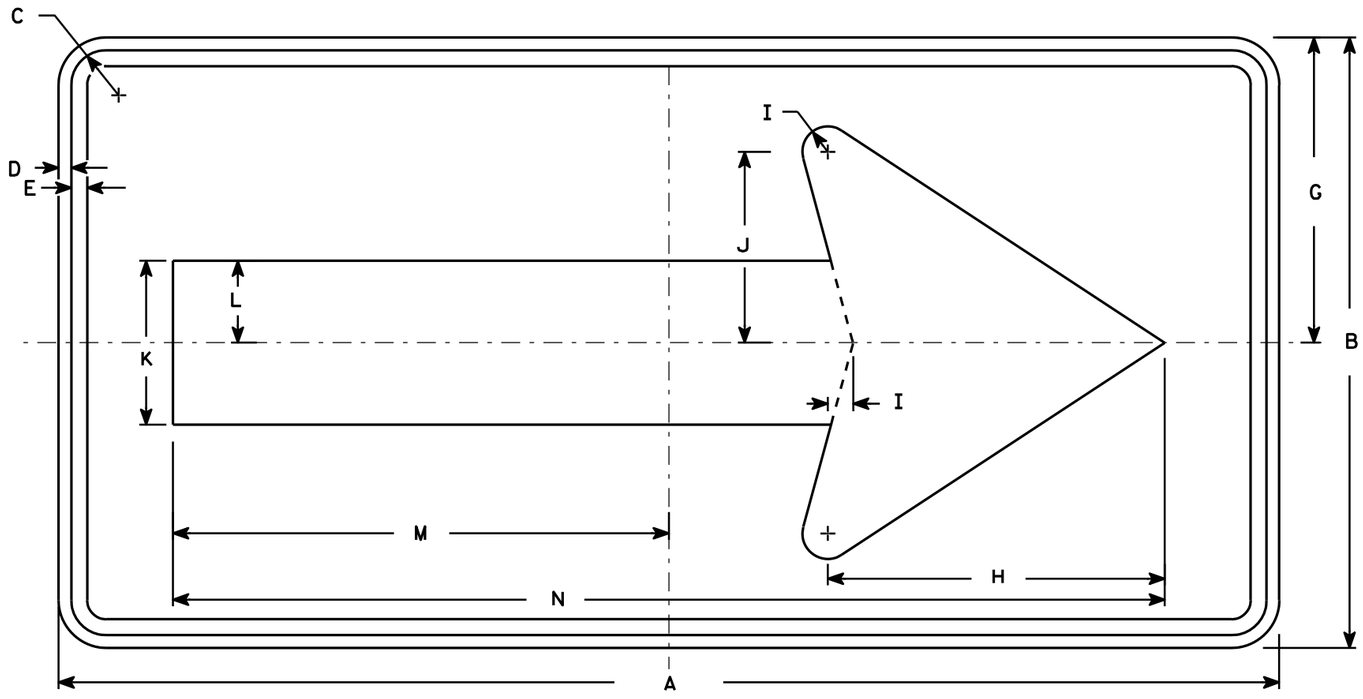
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 242	E



W1-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
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	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

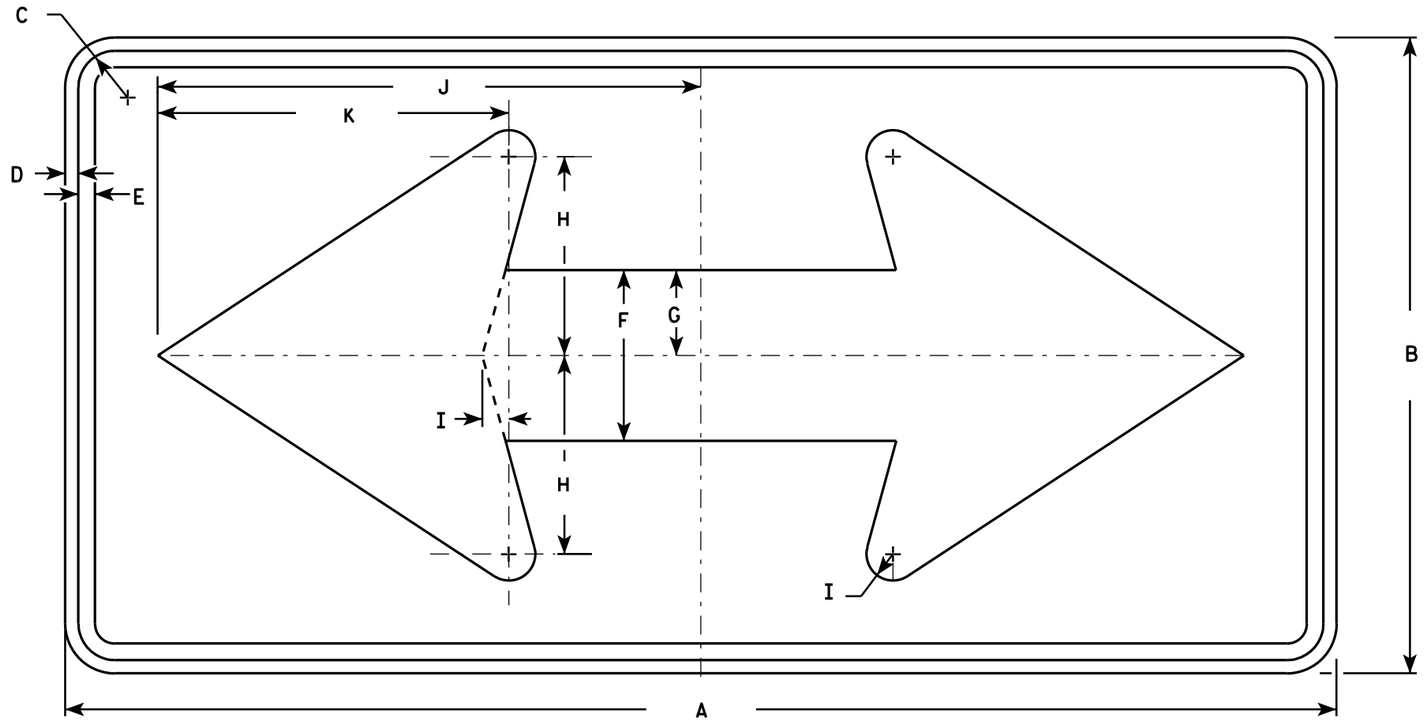
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 243



W1-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

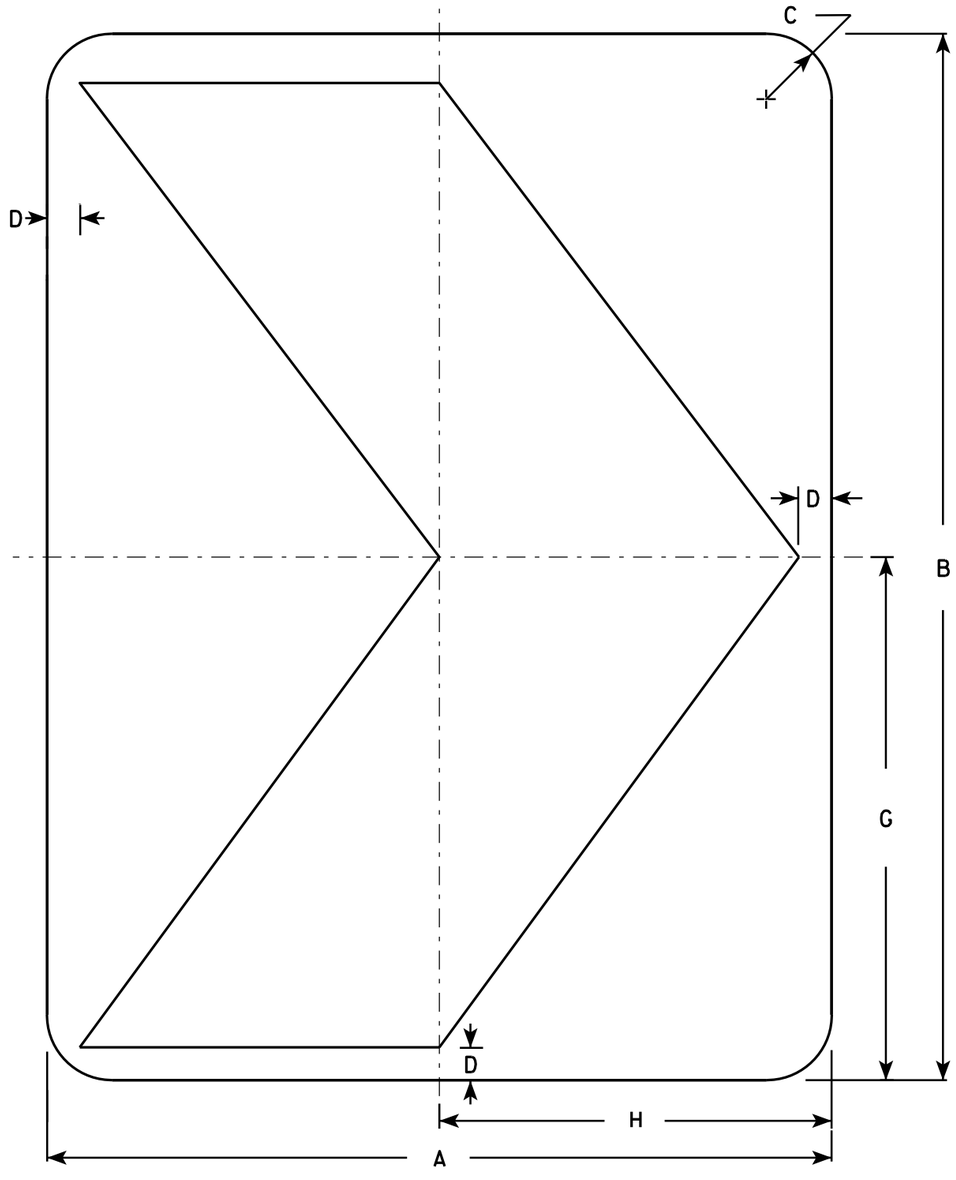
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 244 | E



W1-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 ½	½			9	6																			1.5
2S	18	24	1 ½	¾			12	9																			3.0
2M	18	24	1 ½	¾			12	9																			3.0
3	24	30	1 ½	1			15	12																			5.0
4	30	36	1 ⅞	1 ¼			18	15																			7.5
5	36	48	2 ¼	1 ½			24	18																			12.0

STANDARD SIGN
W1-8

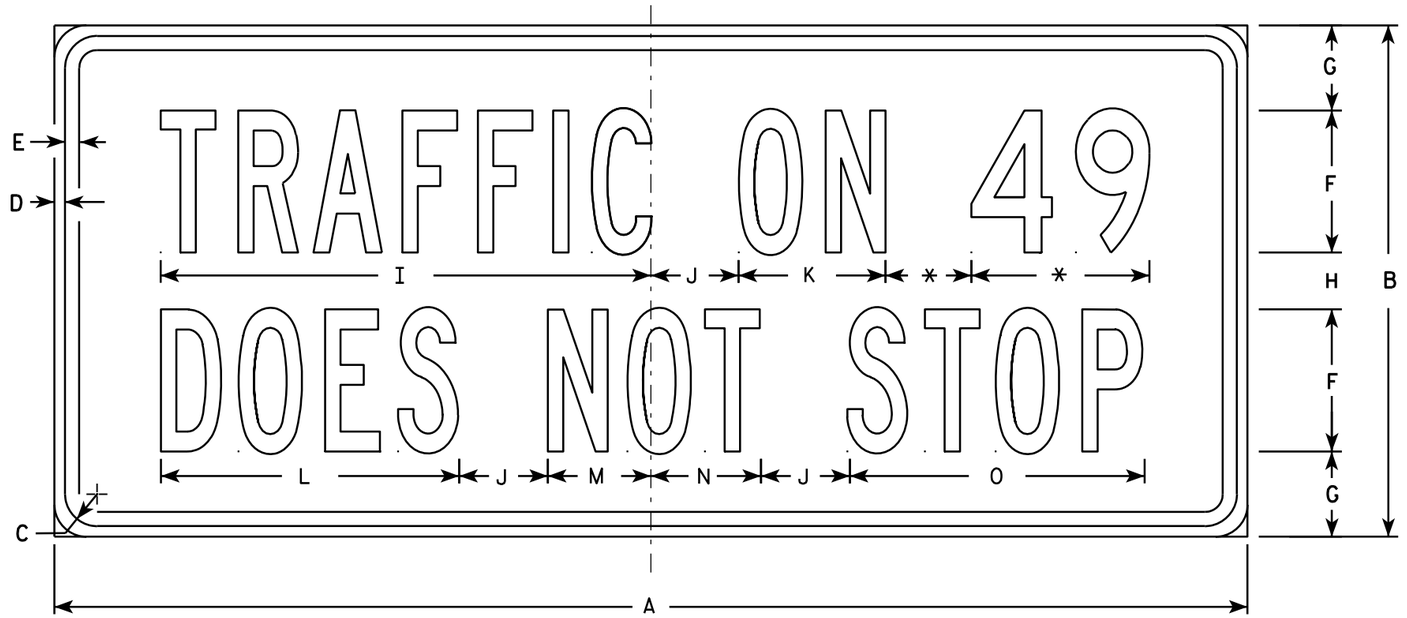
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-8.6

PROJECT NO:

SHEET NO: 245 E



W4-4C

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - B (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. Highway Number usually Series D. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

* VARIES

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	3 1/8	6 1/4	2 1/4	2 1/4	6 1/4												2.0
2M	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	3 1/8	6 1/4	2 1/4	2 1/4	6 1/4												2.0
3	36	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	13 7/8	2 3/8	4 1/4	8 3/8	3 1/8	3 1/8	8 3/8												3.75
4	42	18	1 1/8	3/8	1/2	5	3	2	17 1/4	3 1/8	5 1/8	10 1/2	3 7/8	3 7/8	10 3/8												5.25
5																											

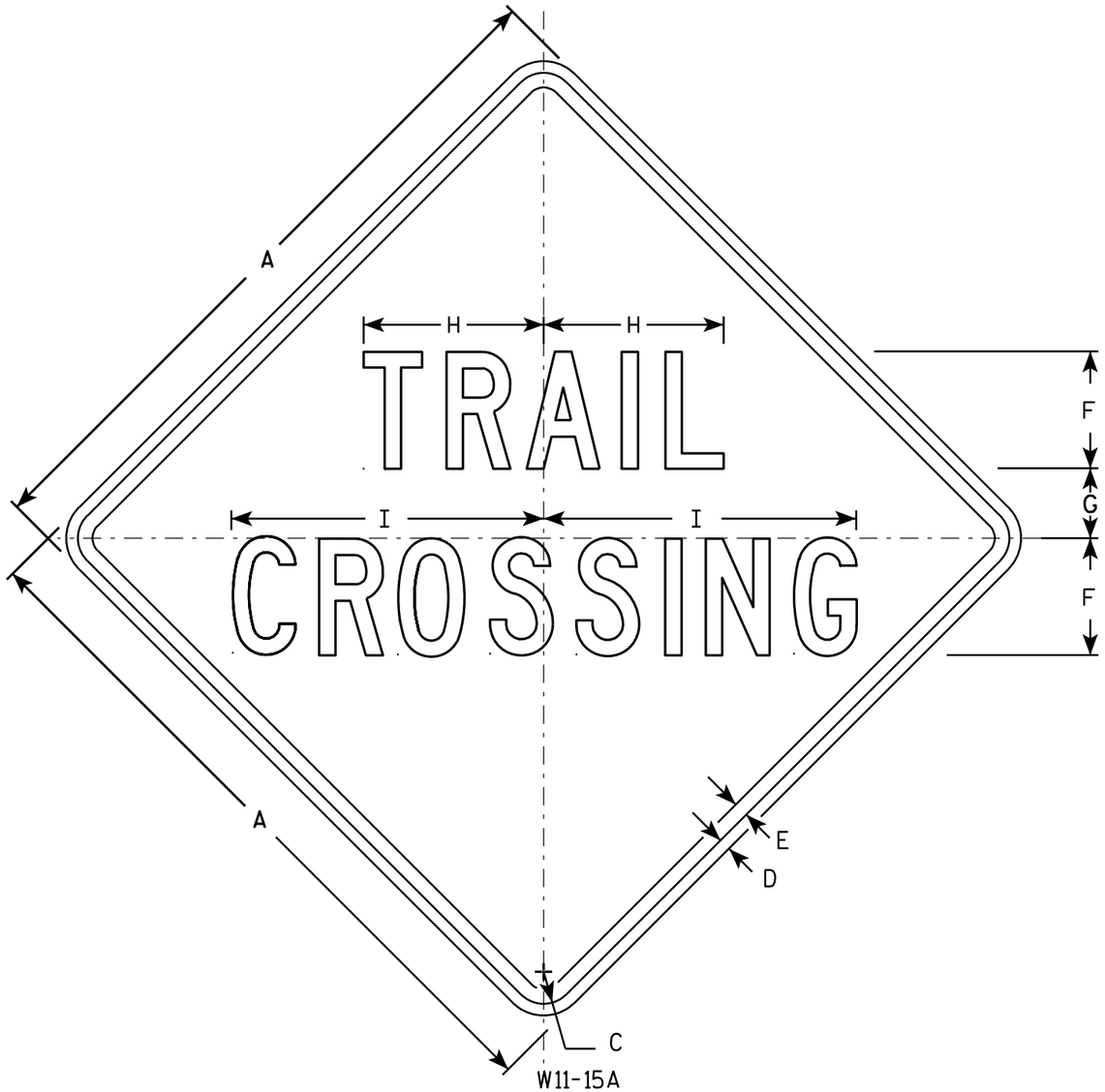
STANDARD SIGN
W4-4C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-4.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 246	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. 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	24		1 1/8	3/8	1/2	4	2 3/8	6 1/8	10 3/4																		4.0
2S	30		1 3/8	1/2	5/8	5	3	7 3/4	13 3/8																		6.25
2M	36		1 5/8	5/8	3/4	6	3 1/2	9 1/4	16																		9.0
3	36		1 5/8	5/8	3/4	6	3 1/2	9 1/4	16																		9.0
4	48		2 1/4	3/4	1	8	5	12 7/8	21 1/4																		16.0
5																											

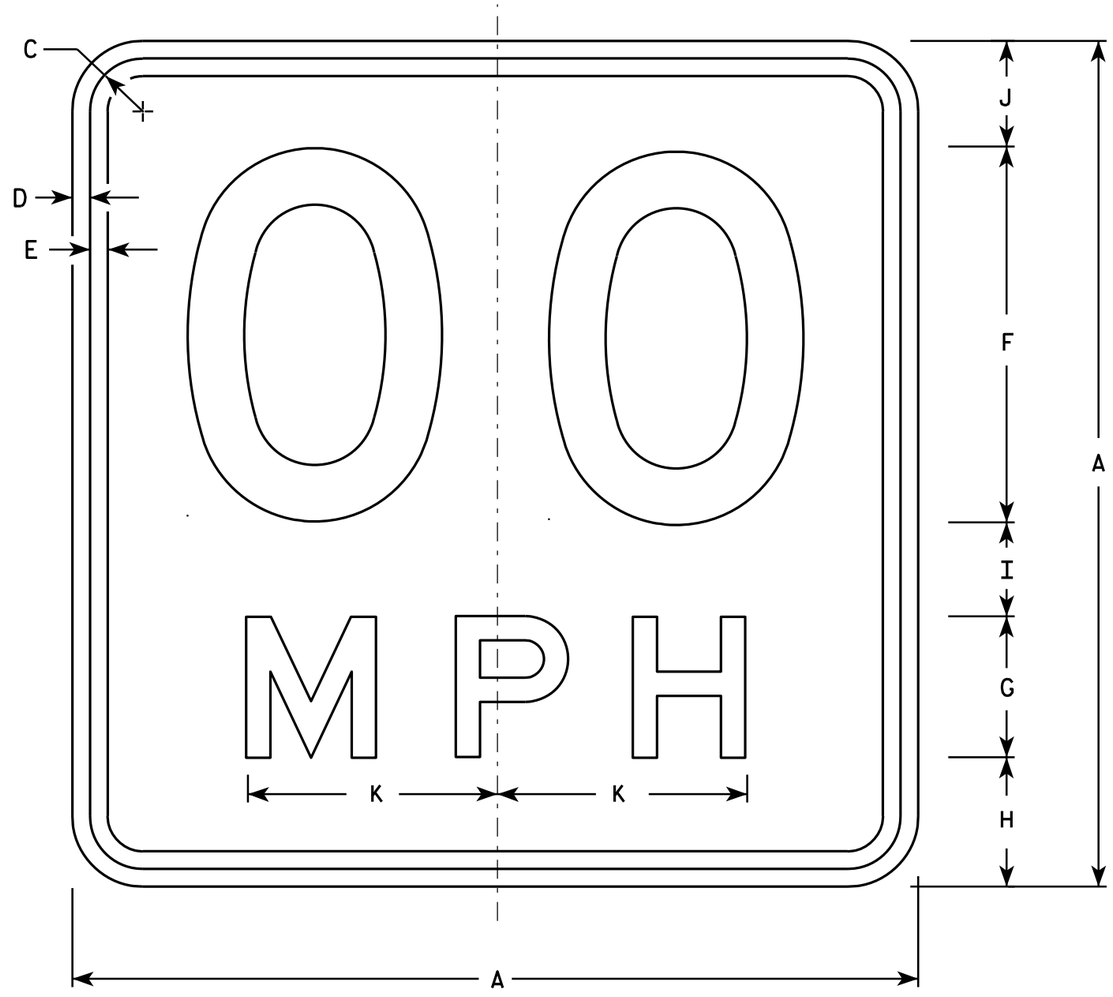
STANDARD SIGN
W11-15A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/21/10 PLATE NO. W11-15A.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 247	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

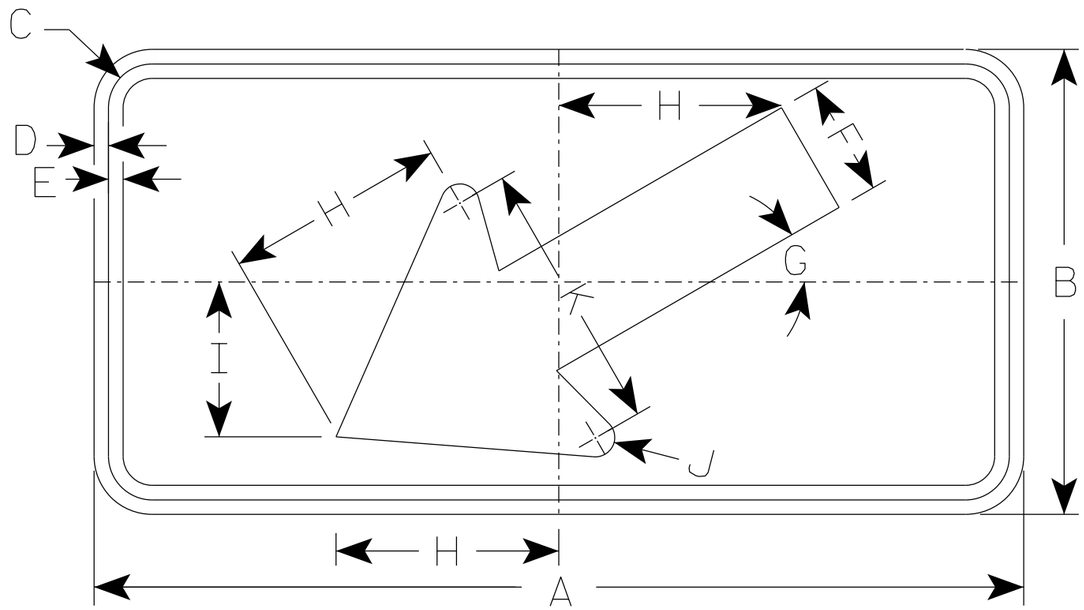
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 248 | E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

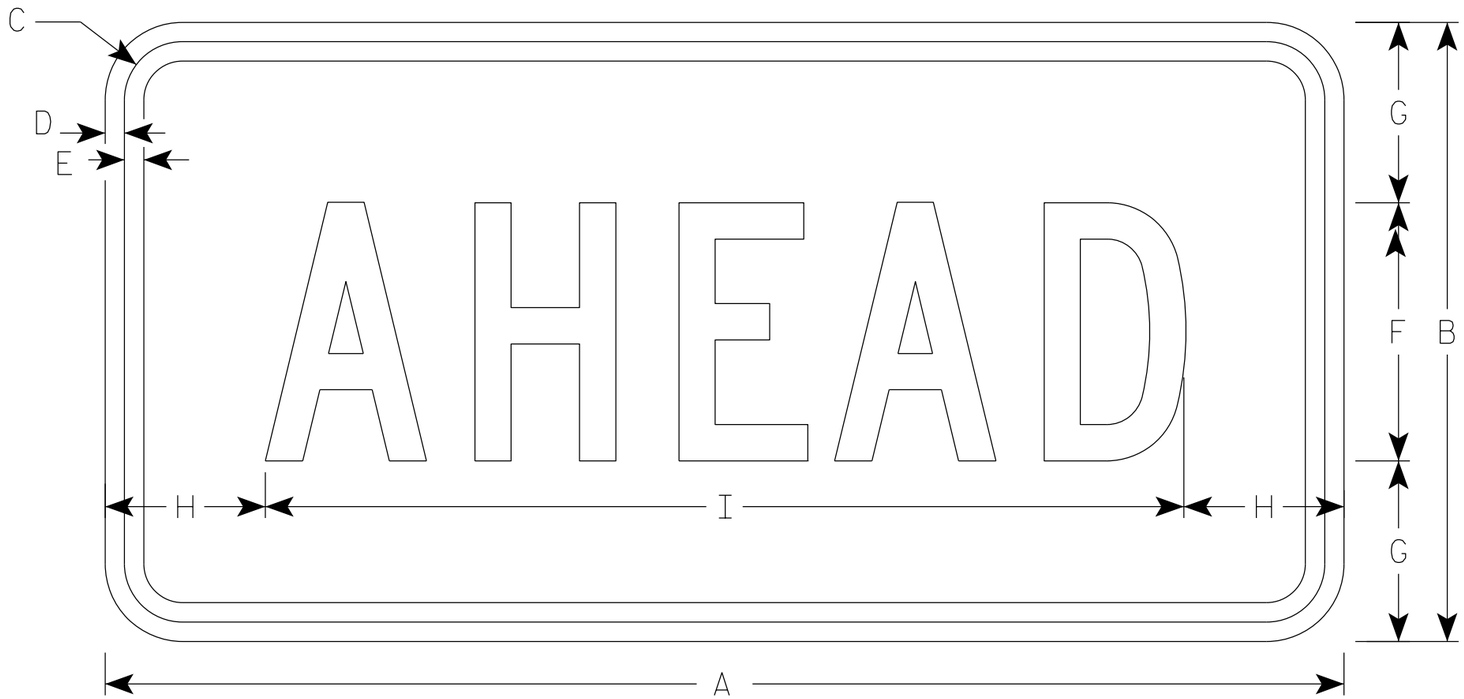
DATE 3/16/2021 PLATE NO. W16-7.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 249 E

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C



W16-9P

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	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/7/19 PLATE NO. W16-9P.7

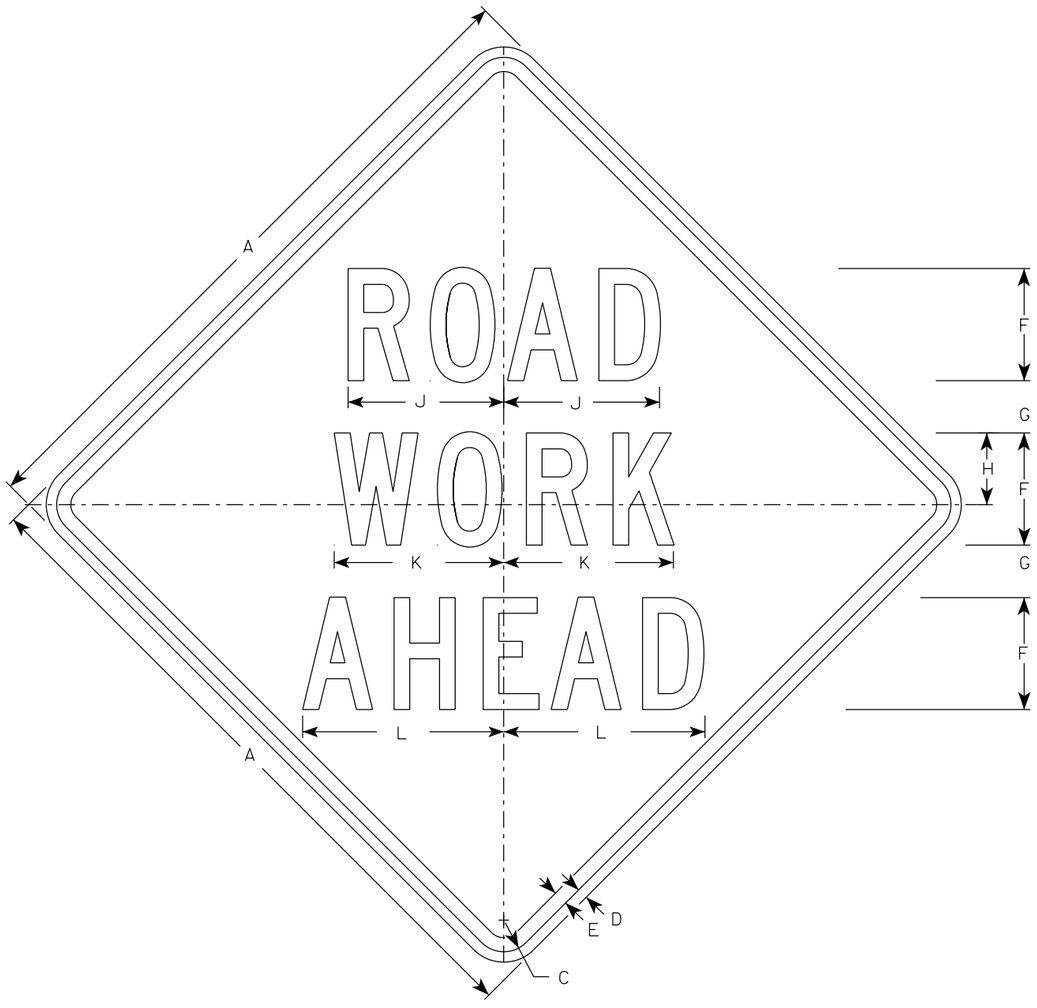
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 250 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W169P.DGN PLOT DATE : 07-MAR-2019 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

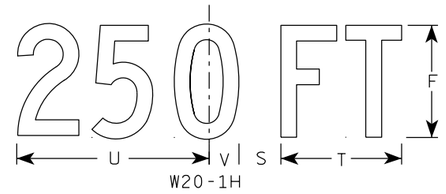
7

NOTES

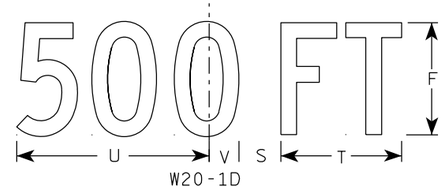
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



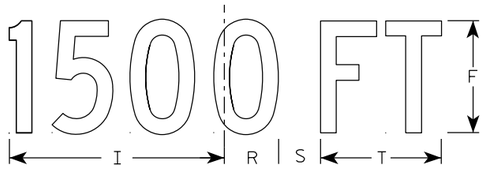
W20-1H



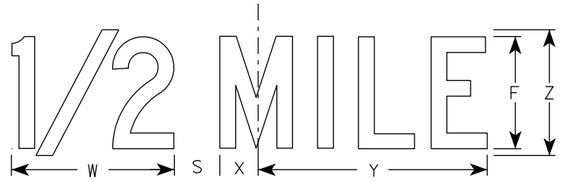
W20-1D



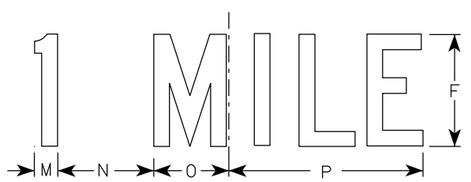
W20-1C



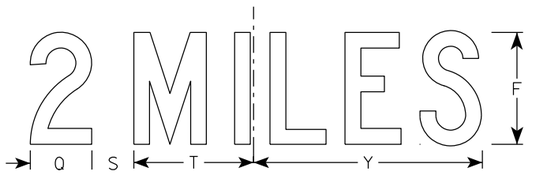
W20-1B



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:

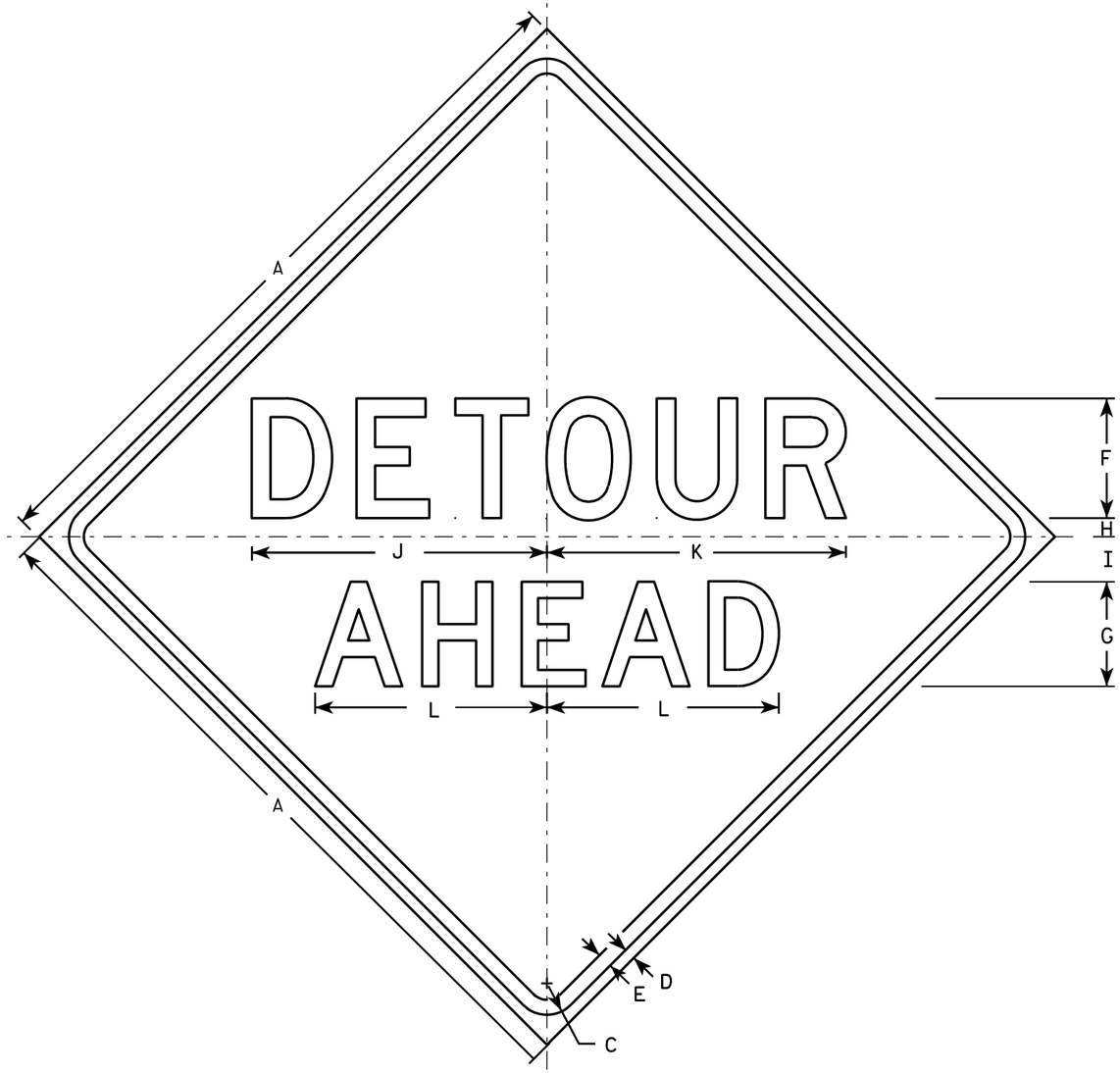
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

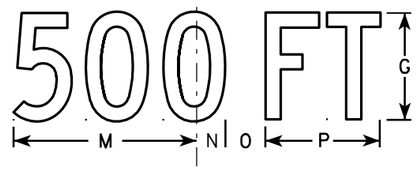
WISDOT/CADDS SHEET 42

7

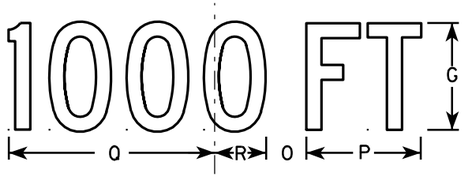
7



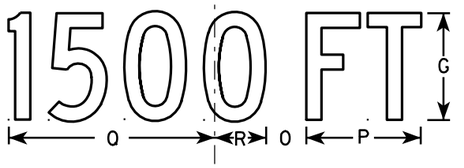
W20-2A



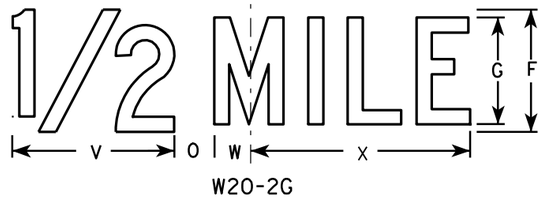
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

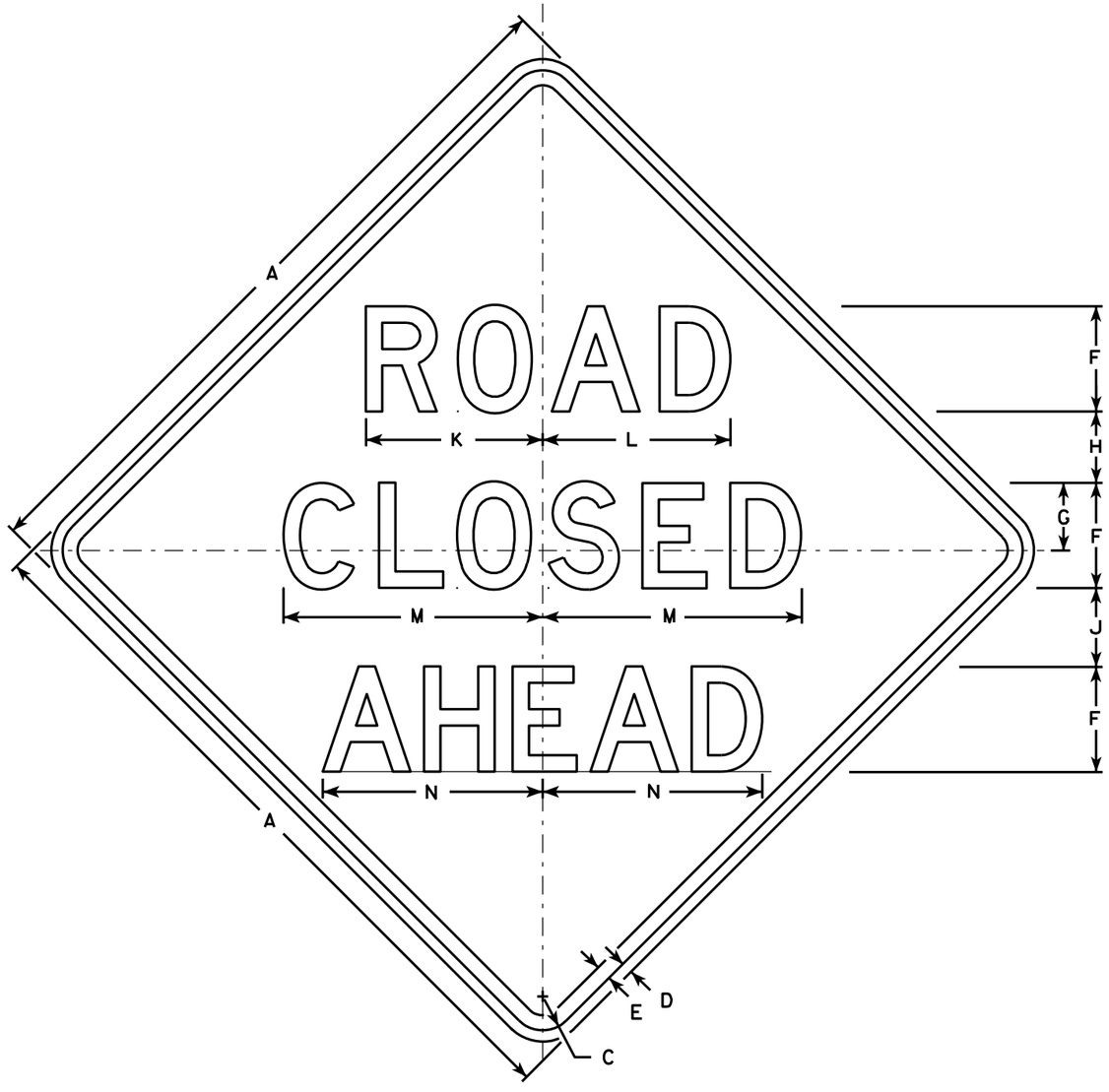
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

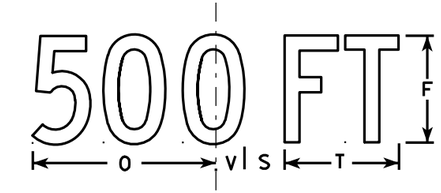
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

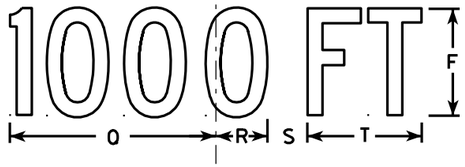
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 252	E



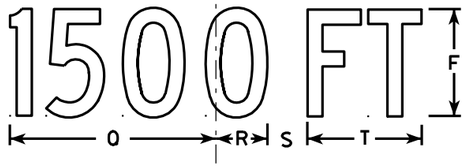
W20-3A



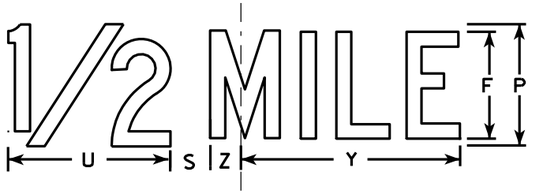
W20-3D



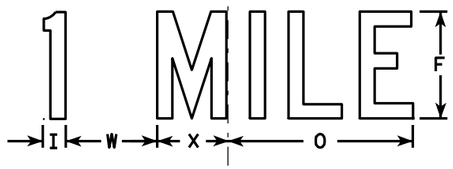
W20-3C



W20-3B



W20-3G



W20-3F

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.

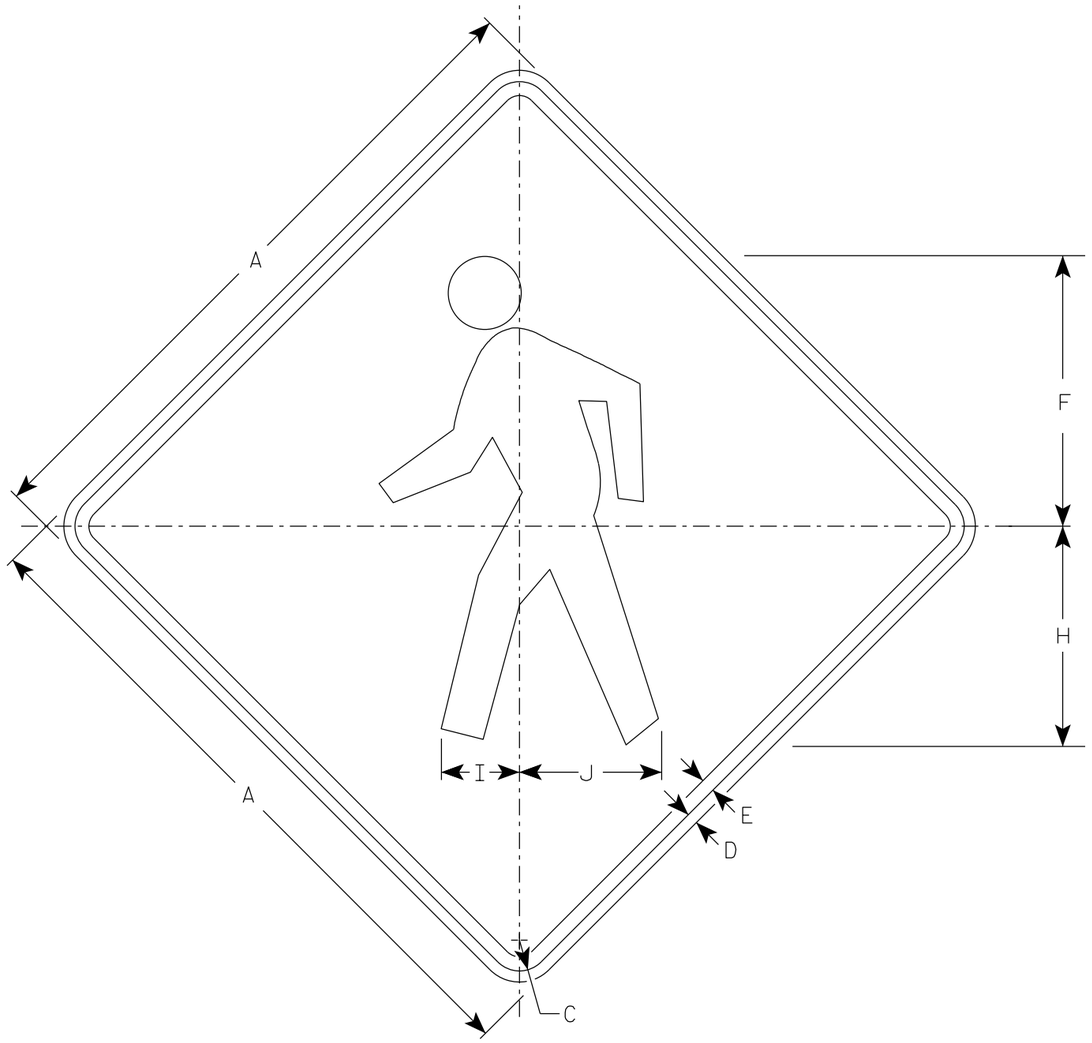
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	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	11 3/4	12 1/2	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	11 3/4	12 1/2	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	11 3/4	12 1/2	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	11 3/4	12 1/2	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
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 253 | E



WO11-2

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.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
2S	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
2M	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
3	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN

WO11-2

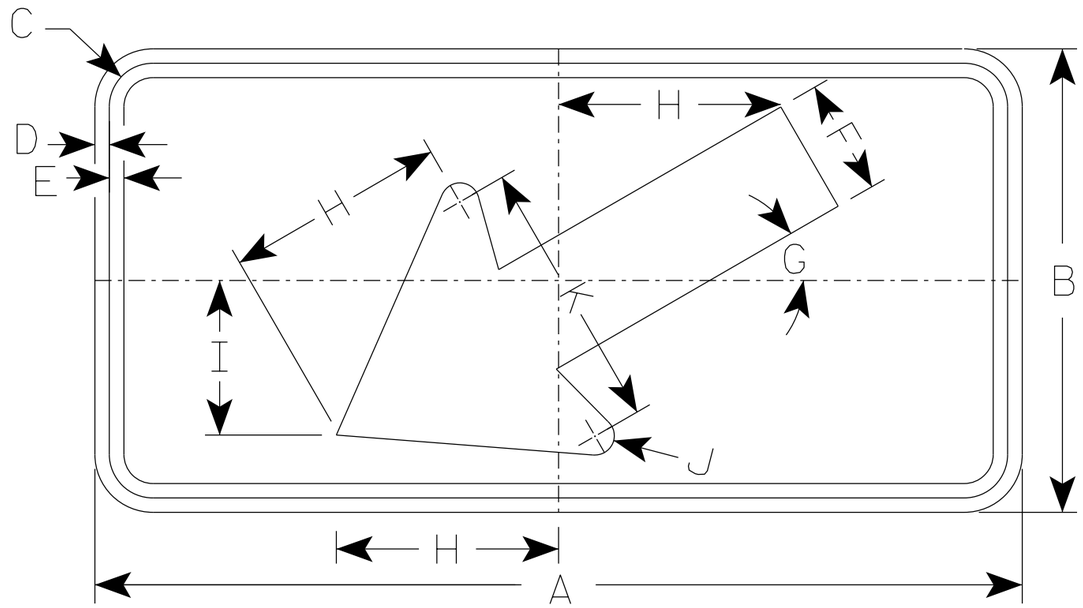
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 4/8/2020 PLATE NO. WO11-2.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 254	E



W016-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded but corners shall be rounded when base material is metal.
4. W016-7R is the same as W016-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2S	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
2M	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
3	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0

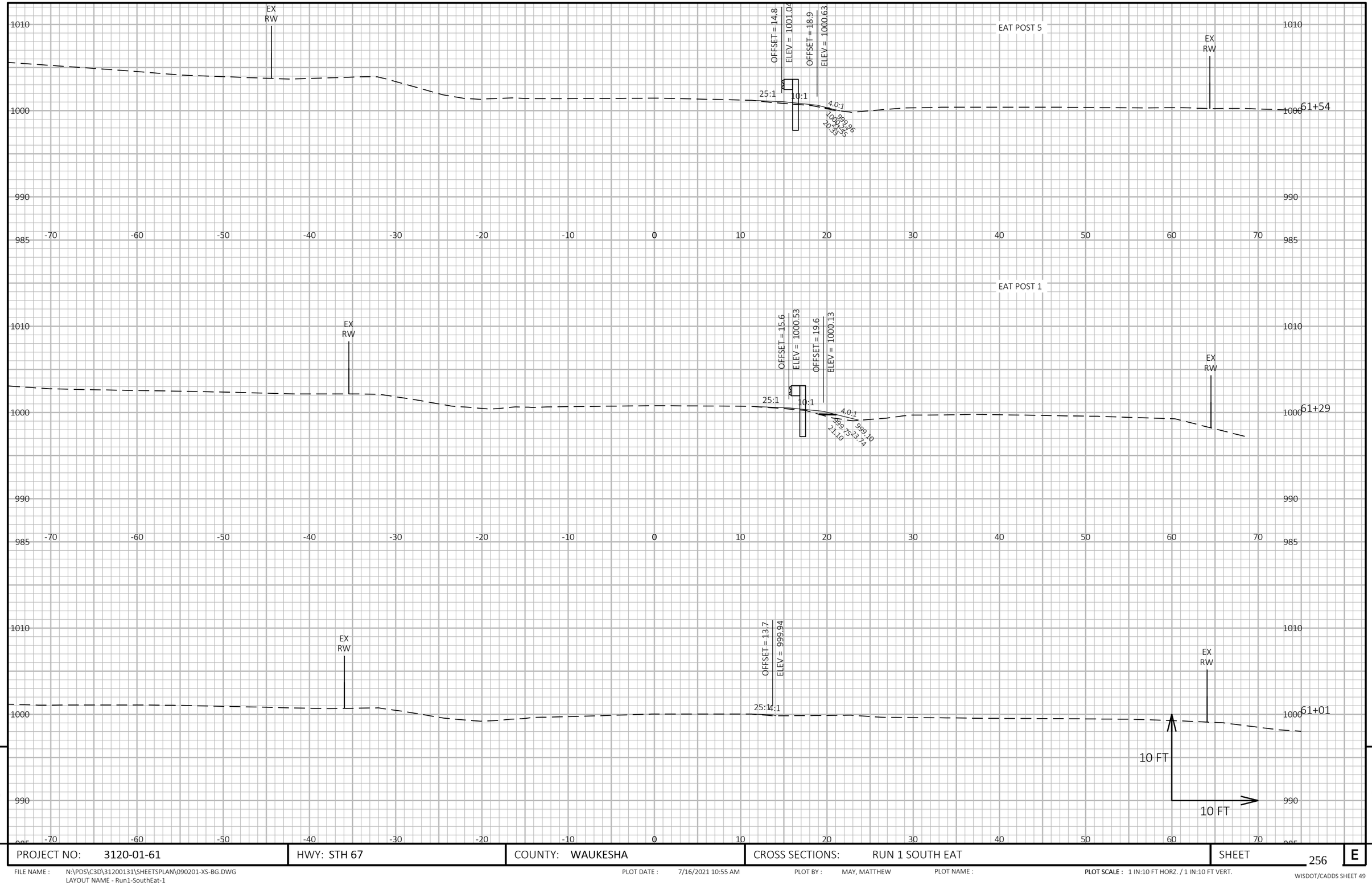
STANDARD SIGN
W016-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. W016-7.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 255	E



9

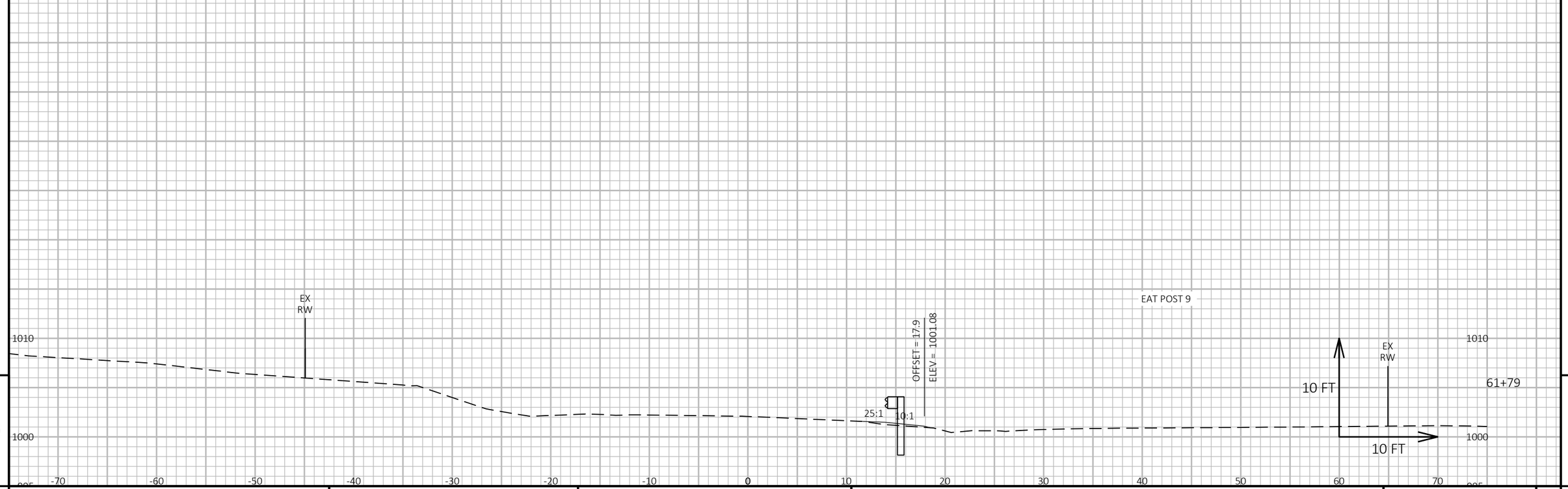
9

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 1 SOUTH EAT	SHEET 256	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - Run1-SouthEat-1

PLOT DATE : 7/16/2021 10:55 AM PLOT BY : MAY, MATTHEW PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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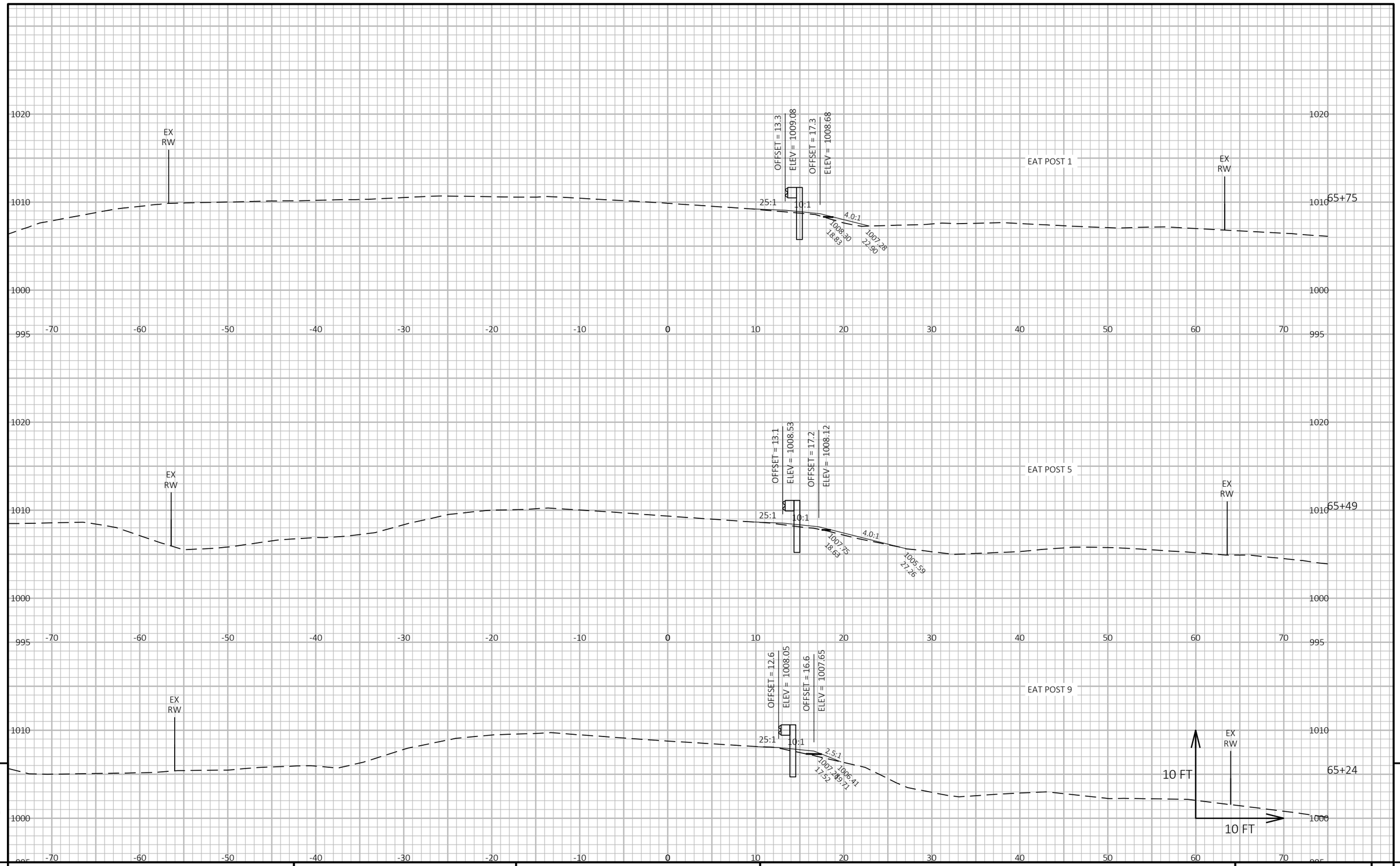
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 1 SOUTH EAT	SHEET 257	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - Run1-SouthEat-2

PLOT DATE : 7/16/2021 10:57 AM PLOT BY : MAY, MATTHEW PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 1 NORTH EAT	SHEET 258	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - Run1-NorthEAT1

PLOT DATE : 7/16/2021 10:59 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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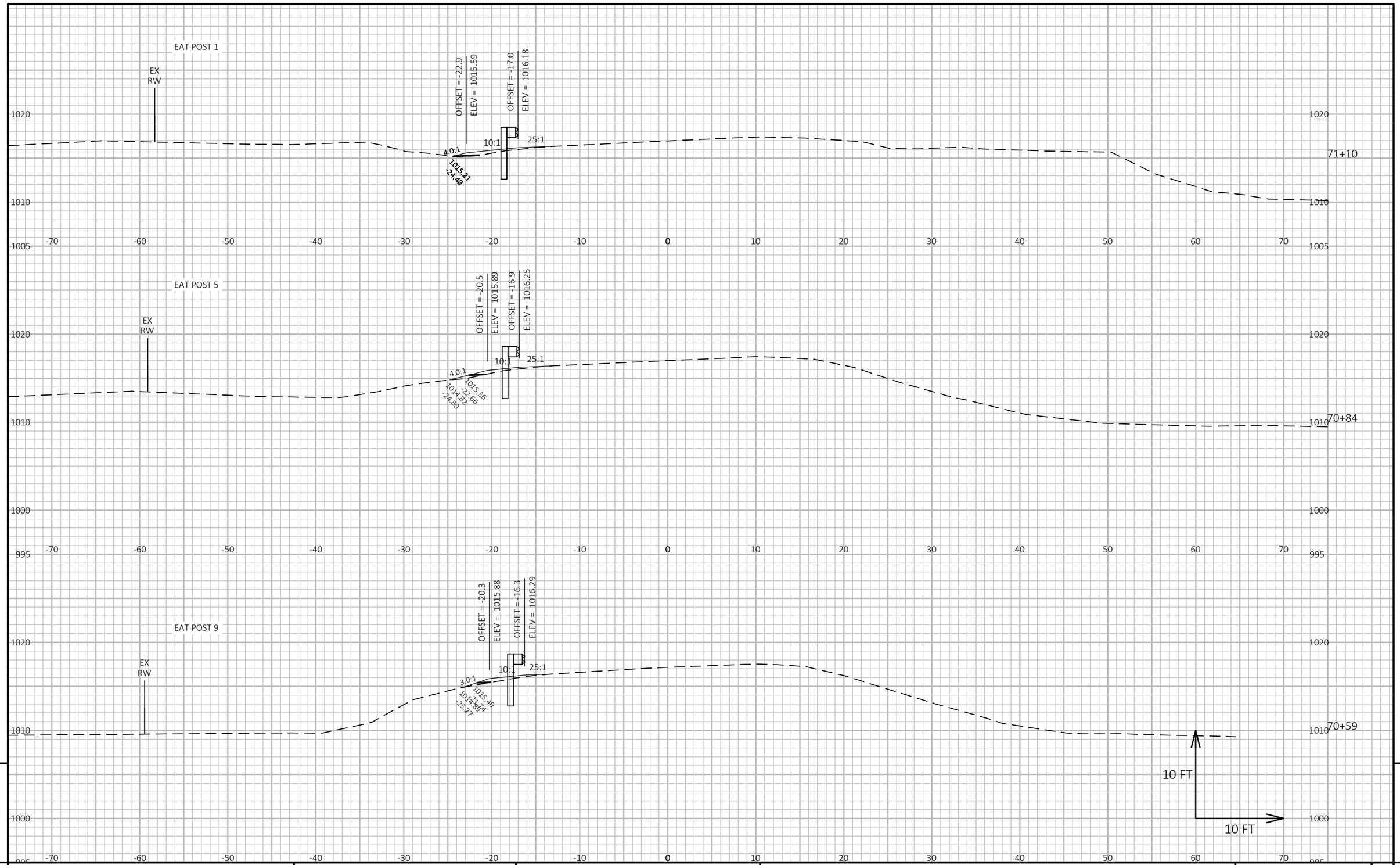
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 1 NORTH EAT	SHEET 259	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - Run1-NorthEAT2

PLOT DATE : 7/16/2021 11:01 AM PLOT BY : MAY, MATTHEW PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 2 EAT	SHEET 260	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - RUN2-EAT1

PLOT DATE : 7/16/2021 11:03 AM

PLOT BY : MAY, MATTHEW

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 2 EAT	SHEET 261	E

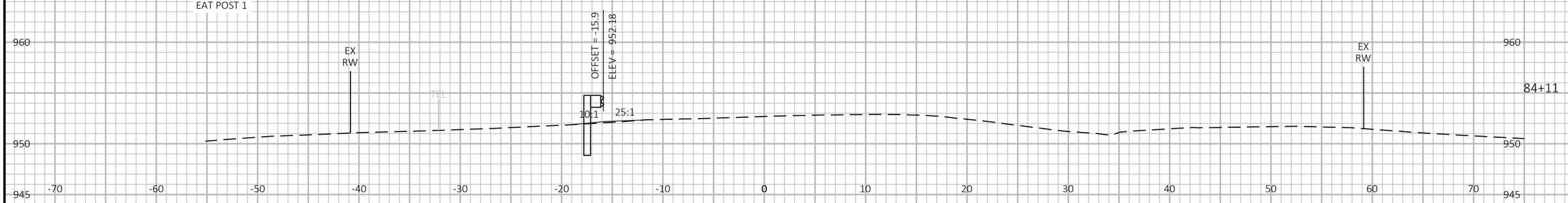
FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - RUN2-EAT2

PLOT DATE : 7/16/2021 11:05 AM PLOT BY : MAY, MATTHEW PLOT NAME :

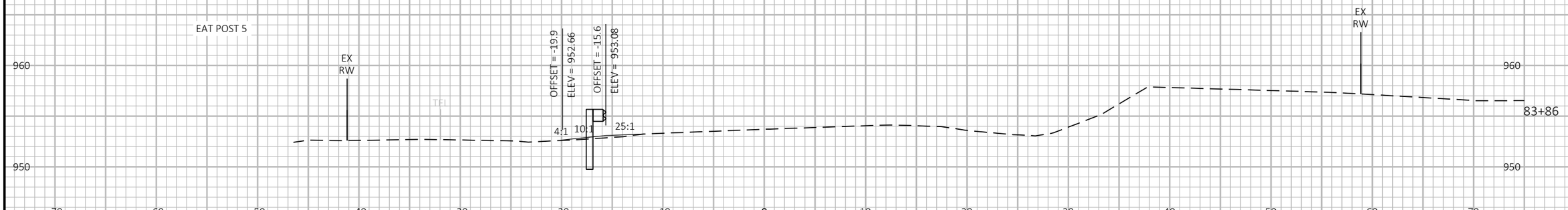
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

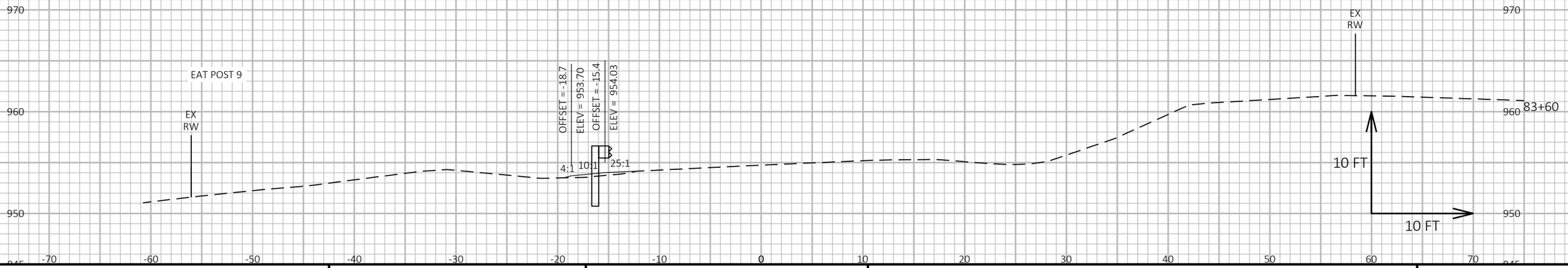
EAT POST 1



EAT POST 5



EAT POST 9



9

9

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 3 EAT	SHEET 262	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - Run3-EAT1

PLOT DATE : 7/16/2021 11:07 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

960
950
940
925
-70
-60
-50
-40
-30
-20
-10
0
10
20
30
40
50
60
70
EX RW
EX RW
84+46
10 FT
10 FT

9

9

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 3 EAT	SHEET 263	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - Run3-EAT2

PLOT DATE : 7/16/2021 11:09 AM

PLOT BY : MAY, MATTHEW

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

EAT POST 5

EX RW

87+70

960 950 940 935

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

EAT POST 1

EX RW

OFFSET = 18.1
ELEV = 948.81

OFFSET = 24.0
ELEV = 948.22

25:1 10:1 4.0:1

948.01
24.81

946.04
32.70

EX RW

87+44

960 950 940 930

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

EX RW

OFFSET = 18.8
ELEV = 948.38

OFFSET = 21.6
ELEV = 947.67

25:1 10:1 4:1

947.86
20.95

EX RW

86+66

10 FT

10 FT

960 950 940 930

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 4 EAT	SHEET 264	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - RUN4-EAT1

PLOT DATE : 7/16/2021 11:12 AM PLOT BY : MAY, MATTHEW PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

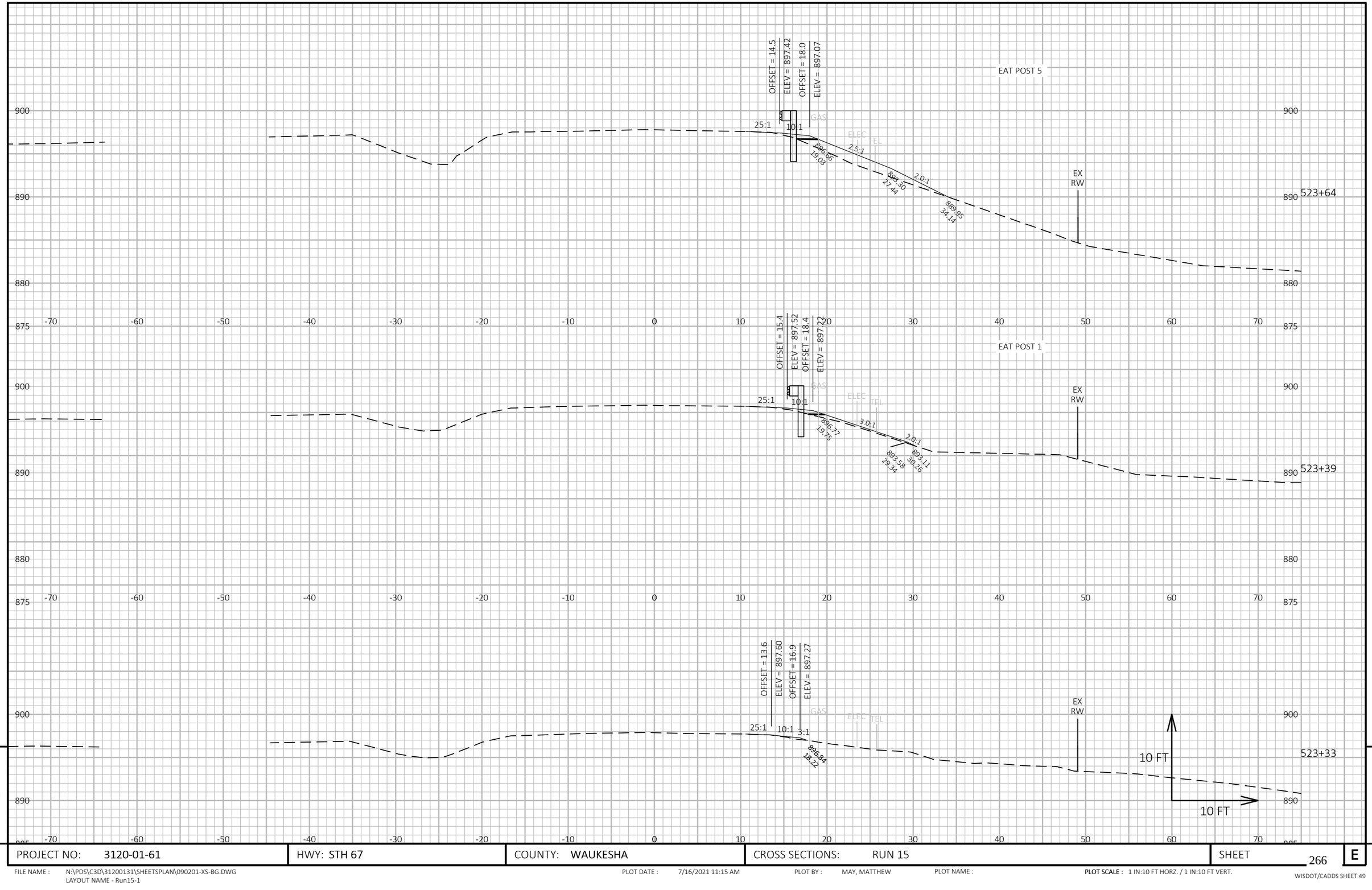
9

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 4 EAT	SHEET 265	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - RUN4-EAT2

PLOT DATE : 7/16/2021 11:14 AM PLOT BY : MAY, MATTHEW PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

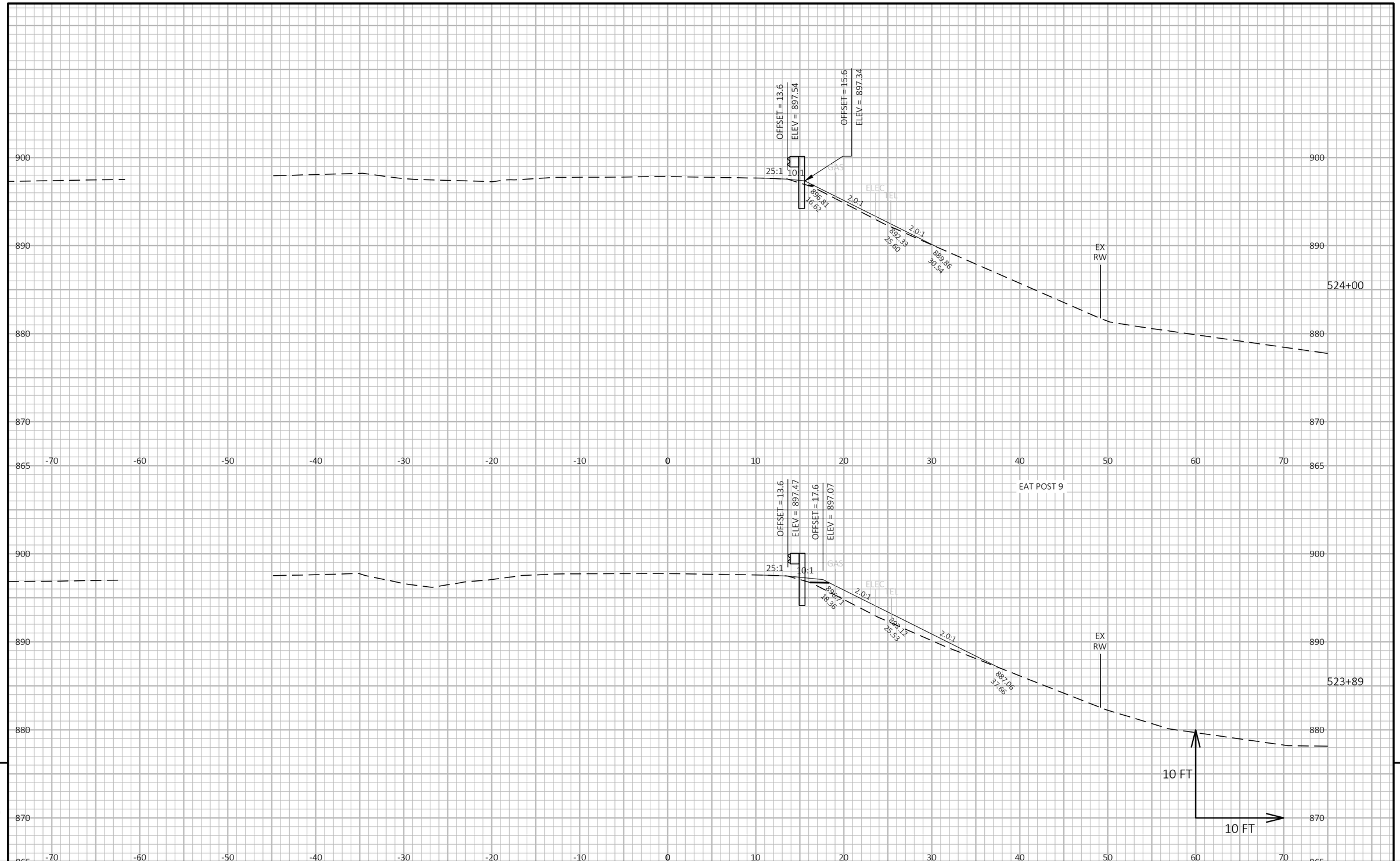
PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 15	SHEET 266	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - Run15-1

PLOT DATE : 7/16/2021 11:15 AM PLOT BY : MAY, MATTHEW PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 15	SHEET 267	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - Run15-2

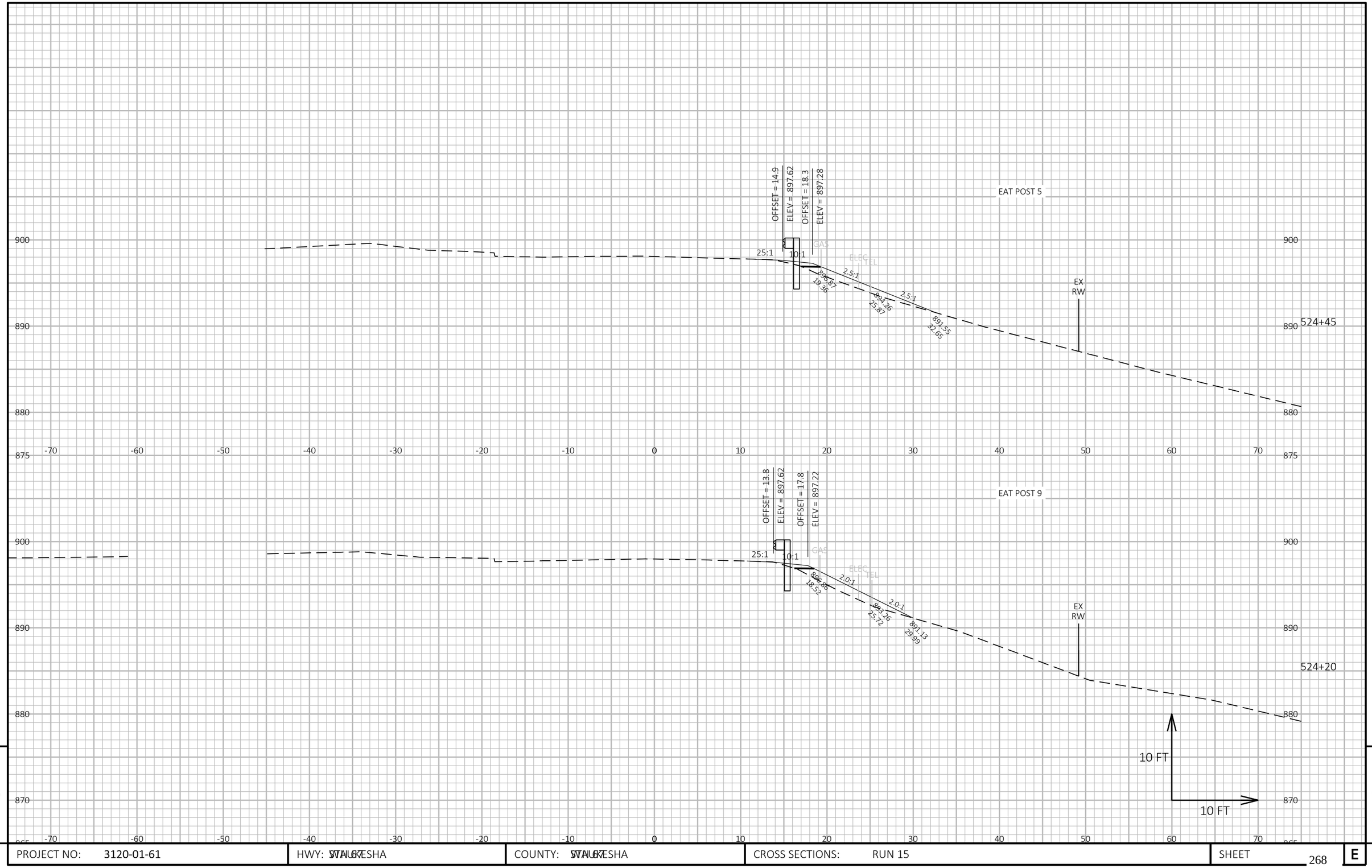
PLOT DATE : 7/16/2021 11:16 AM

PLOT BY : MAY, MATTHEW

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3120-01-61	HWY: STATE	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 15	SHEET 268	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - Run15-3

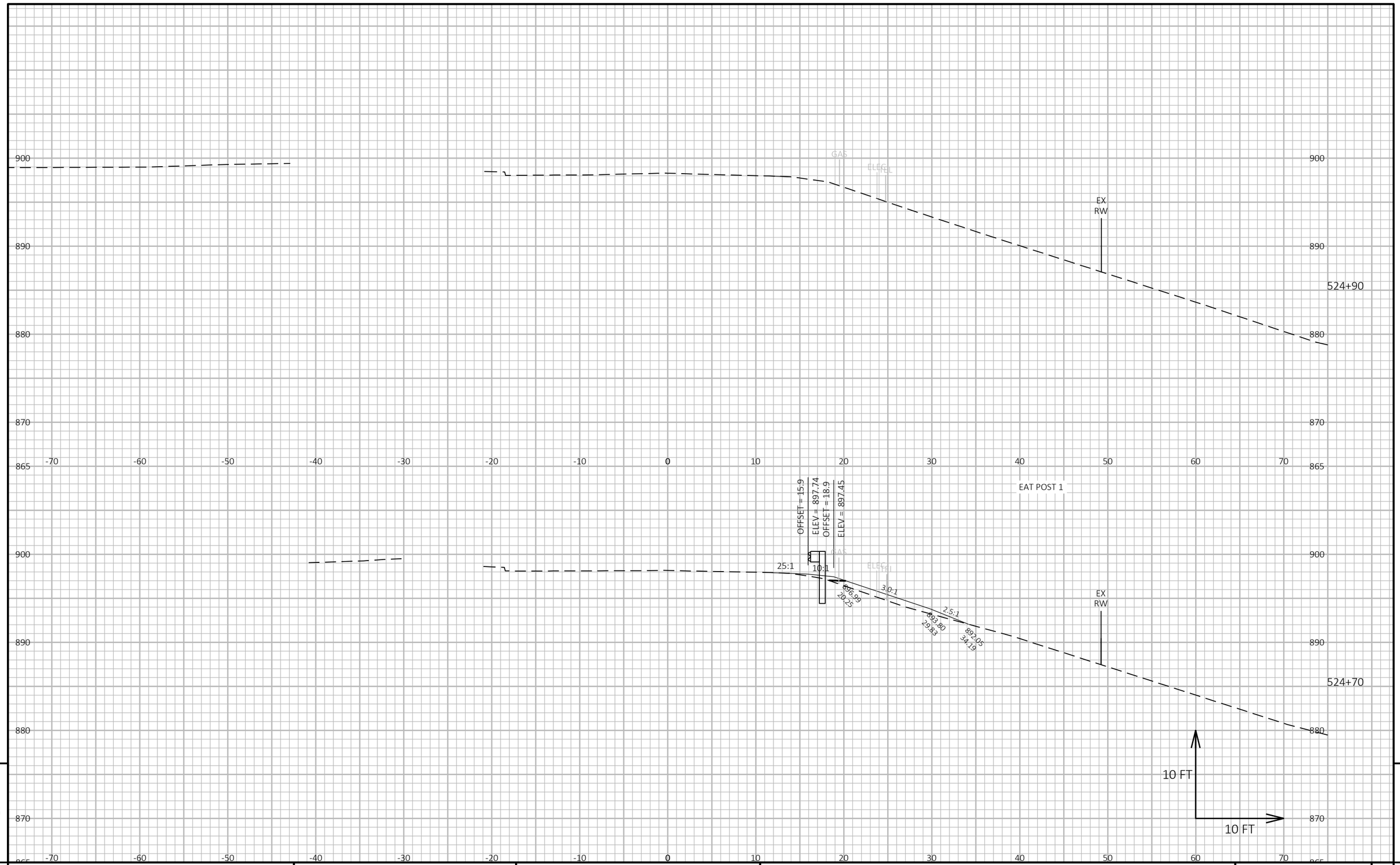
PLOT DATE : 7/16/2021 11:17 AM

PLOT BY : MAY, MATTHEW

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 3120-01-61	HWY: STH 67	COUNTY: WAUKESHA	CROSS SECTIONS: RUN 15	SHEET 269	E

FILE NAME : N:\PDS\C3D\31200131\SHEETSPLAN\090201-XS-BG.DWG
LAYOUT NAME - Run15-4

PLOT DATE : 7/16/2021 11:18 AM

PLOT BY : MAY, MATTHEW

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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