

GRE
WITH: PROJECT ID: 4085-61-60
COUNTY: CALUMET

JUNE 2017

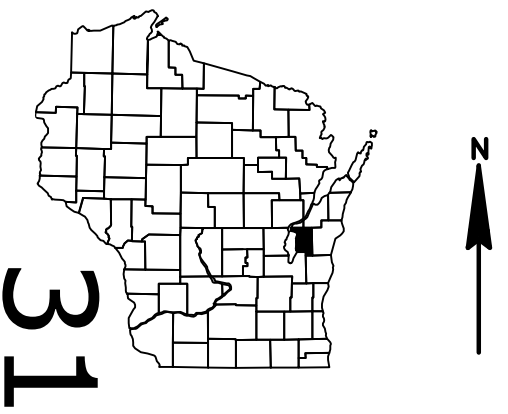
ORDER OF SHEETS

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 Plan
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 = 114

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
HILBERT - DE PERE
NCPL HILBERT - NCL
STH 32
CALUMET COUNTY

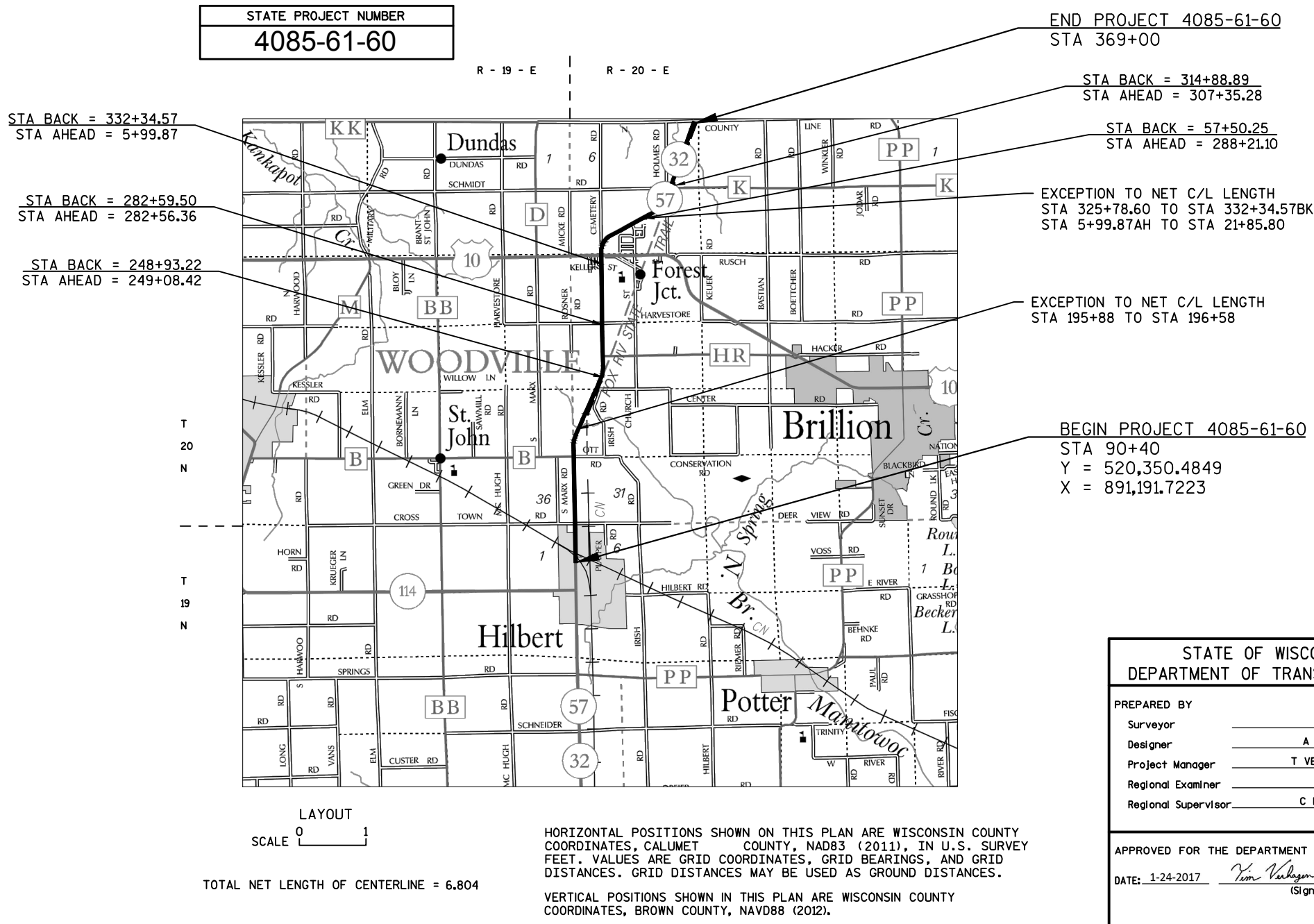
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4085-61-60		



DESIGN DESIGNATION

A.A.D.T.	2017	=	5,700
A.A.D.T.	2037	=	6,500
D.H.V.		=	524
D.D.		=	60/40
T.		=	9.6%
DESIGN SPEED		=	55
ESALS		=	1,600,000

CONVENTIONAL SYMBOLS	
PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
	STORM SEWER
	TELEPHONE
	WATER
	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE
MARSH AREA	
WOODED OR SHRUB AREA	



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor _____

Designer _____ A DUMS

Project Manager _____ T VERHAGEN

Regional Examiner _____

Regional Supervisor _____ C KAROW

APPROVED FOR THE DEPARTMENT

DATE: 1-24-2017 _____ (Signature)

GENERAL NOTES

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

EXISTING PERMANENT SIGNS ARE TO REMAIN IN PLACE UNLESS SPECIALLY CALLED FOR REMOVAL ON MISCELLANEOUS QUANTITY TABLE.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER. DETAILS OF CONSTRUCTION NOT SHOWN ON THE PLAN SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

ALL DISTURBED AREAS, NOT OTHERWISE SURFACED, ARE TO BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH MULCH OR EROSION MAT.

NO GRADING ASSOCIATED WITH ENERGY ABSORBING TERMINALS INSTALLATION BEYOND EXISTING CONDITIONS.

THE EXACT LOCATIONS OF ALL EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND ALL UTILITIES IN THE VICINITY OF THE PROJECT TO LOCATE THEIR FACILITIES AT LEAST THREE WORKING DAYS PRIOR TO BEGINNING WORK.

NE REGION SURVEY CONTACT PERSON

CORMAC MCINNIS
DEPARTMENT OF TRANSPORTATION
NORTHEAST REGION
944 VANDERPERREN WAY
GREEN BAY, WI 54304
TEL: 920-492-5638
E-MAIL: CORMAC.MCINNIS@DOT.WI.GOV

WISCONSIN CENTRAL LTD. (D/B/A CANADIAN NATIONAL)

RAILROAD FLAGGING AND FACILITY LOCATING CONTACT
MARY ELLEN CARMODY, AUDIT OFFICER, ADMINISTRATION SERVICE CENTER 2800
700 PERSHING STREET
PONTIAC, MI 48340
TEL: 248-452-4705
FAX: 248-452-4972
E-MAIL: MARYELLEN.CARMODY@CN.CA

MAIN RAILROAD CONTACT
JACKIE MACEWICZ, MANAGER PUBLIC WORKS
1625 DEPOT STREET
STEVENS POINT, WI 54481
TEL: 715-345-2503
FAX: 715-345-2534
E-MAIL: JACKIE.MACEWICZ@CN.CA

24 HOUR EMERGENCY RAILROAD
SIGNAL CONTACT: 1-800-616-3432

CALL BEFORE YOU DIG

CANADIAN NATIONAL RAILWAY IS NOT PART OF THE DIGGERS HOTLINE SYSTEM.
CALL MARY ELLEN CARMODY AT 248-452-4705 WHEN DIGGING ON RAILROAD R/W

WWW.CN.CA/EN/DELIVERING-RESPONSIBLY/SAFETY/ERASAFE/UTILITY-INSTALLATIONS

UTILITIES

CHARTER COMMUNICATIONS - COMMUNICATION LINE
NICK FRASE
3315 LINCOLN AVENUE
TWO RIVERS, WI 54241
(920) 793-2216
NICK.FRASE@CHARTER.COM

TIME WARNER CABLE - COMMUNICATION LINE
VINCENT ALBIN
3520 E DESTINATION DR
APPLETON, WI 54915
(920) 831-9249
VINCE.ALBIN@TWCABLE.COM

WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM
LORI BUTRY
700 N ADAMS ST
P.O. BOX 19001
GREEN BAY, WI 54307-9001
(920) 433-1703
LABUTRY@INTEGRYSGROUP.COM

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY
LORI BUTRY
700 N ADAMS ST
P.O. BOX 19001
GREEN BAY, WI 54307-9001
(920) 433-1703
LABUTRY@INTEGRYSGROUP.COM

ATC MANAGEMENT, INC. - ELECTRICITY
MIKE OLSEN
801 O'KEEFE RD
P.O. BOX 6113
DE PERE, WI 54115-6113
(920) 338-6582
MOLSEN@ATCLLC.COM

FOREST JUNCTION SANITARY DISTRICT - SEWER
PEGGY ZINKEL
W2071 HARRISON ST
FOREST JUNCTION, WI 54123
(920) 205-4606
PZINKELFJS@TDS.NET

FRONTIER COMMUNICATIONS OF WI LLC - COMMUNICATION LINE
RICHARD ENDSLEY
118 DIVISION STREET
PLYMOUTH, WI 53073
(920) 893-7242
RICHARD.J.ENDSLEY@FTR.COM

TDS TELECOM - COMMUNICATION LINE
STEVE JAKUBIEC
SUITE 218A
10 COLLEGE AVE
APPLETON, WI 54911
(920) 882-4166
STEVE.JAKUBIEC@TDSTELECOM.COM

WE ENERGIES - ELECTRICITY
LATROY BRUMFIELD
333 WEST EVERETT ST, ROOM A299
MILWAUKEE, WI 53203
(414) 221-5617
LATROY.BRUMFIELD@WE-ENERGIES.COM

DNR AREA LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVENUE
GREEN BAY, WI 54313-6727
ATTN: MATTHEW SCHAEVE
PHONE: 920-662-5472
CELL: 920-366-1544
FAX: 920-662-5159
E-MAIL: MATTHEW.SCHAEVE@WISCONSIN.GOV

DESIGN CONTACT

TIMOTHY G. VERHAGEN
PROJECT MANAGER
WISDOT DTSD PDS NE REGION
944 VANDERPERREN WAY
GREEN BAY WI 54304
920-362-1267
E-MAIL: TIMOTHY.VERHAGEN@DOT.WI.GOV



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

EMERGENCY CONTACT NUMBERS FOR WISCONSIN POWER AND LIGHT COMPANY

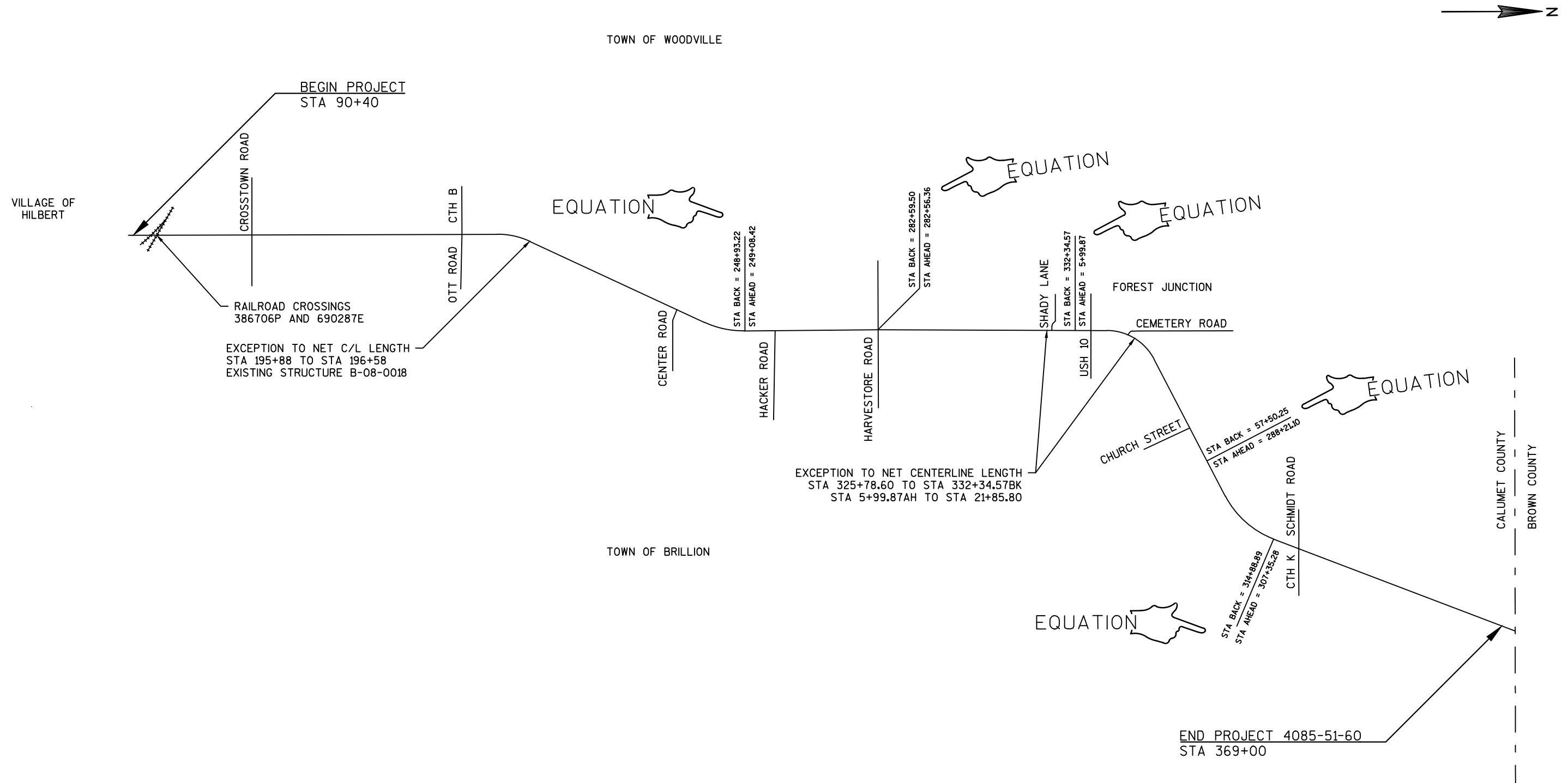
ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-862-6261
GAS 24 HOUR EMERGENCY SERVICE: 1-800-862-6263

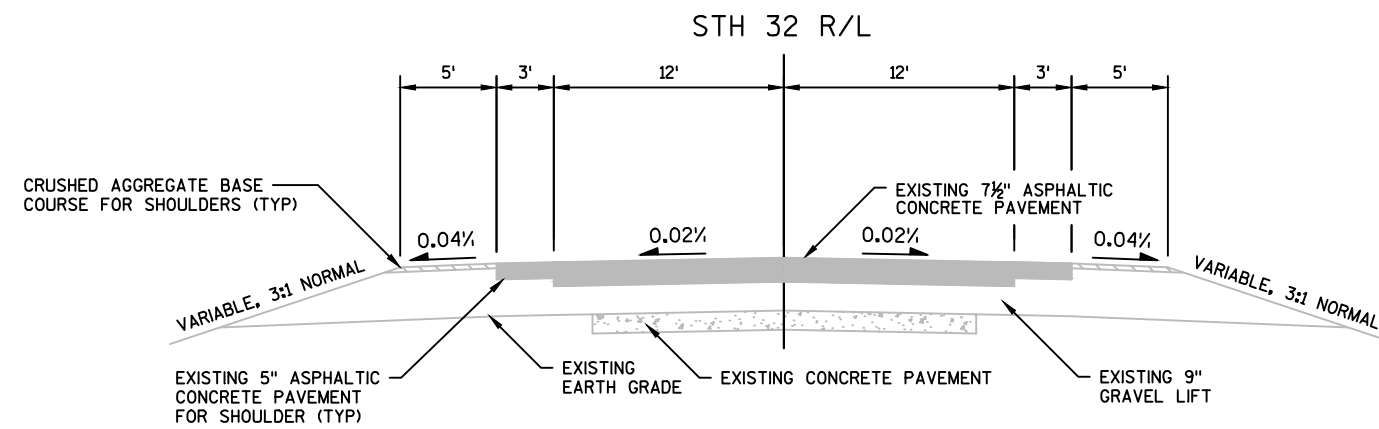
EMERGENCY CONTACT NUMBERS FOR WISCONSIN PUBLIC SERVICE

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-450-7240
GAS 24 HOUR EMERGENCY SERVICE: 1-800-450-7280

EMERGENCY CONTACT NUMBERS FOR WE ENERGIES

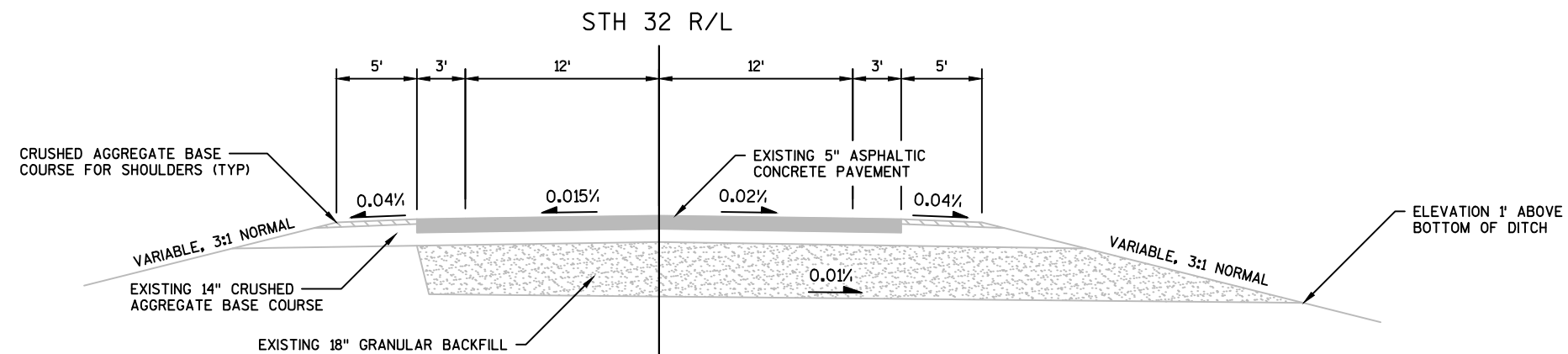
ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-662-4797
GAS 24 HOUR EMERGENCY SERVICE: 1-800-261-5325





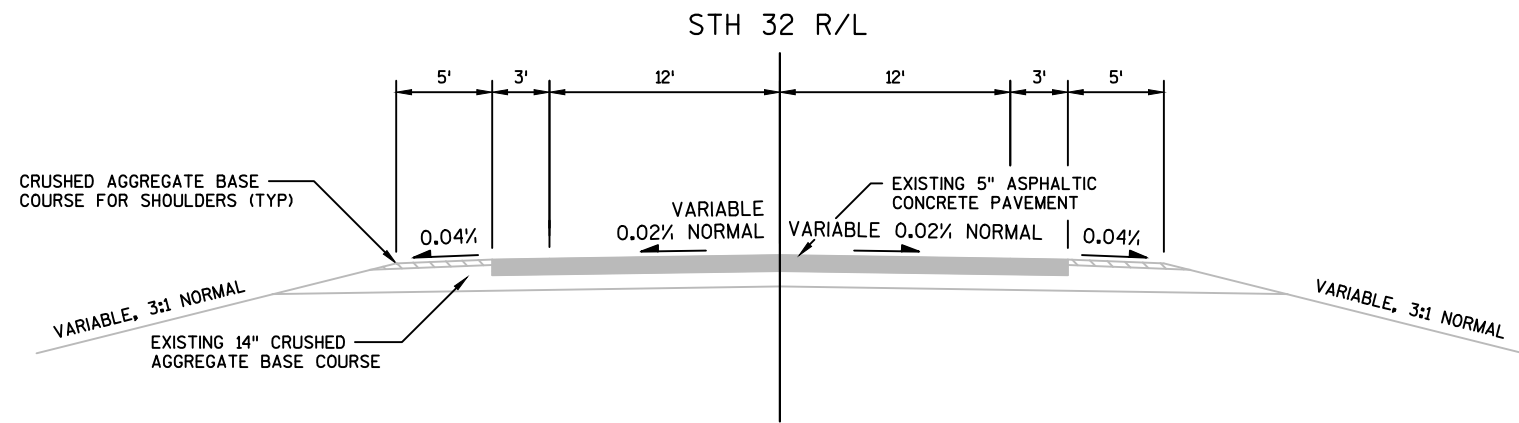
EXISTING TYPICAL SECTION STH 32

STA 90+40.4 TO STA 92+64
STA 96+13 TO STA 236+85
STA 260+03 TO STA 332+34.57 BK
STA 5+99.87 AH TO STA 6+76
STA 291+00 TO STA 296+30
STA 309+25 TO STA 369+00



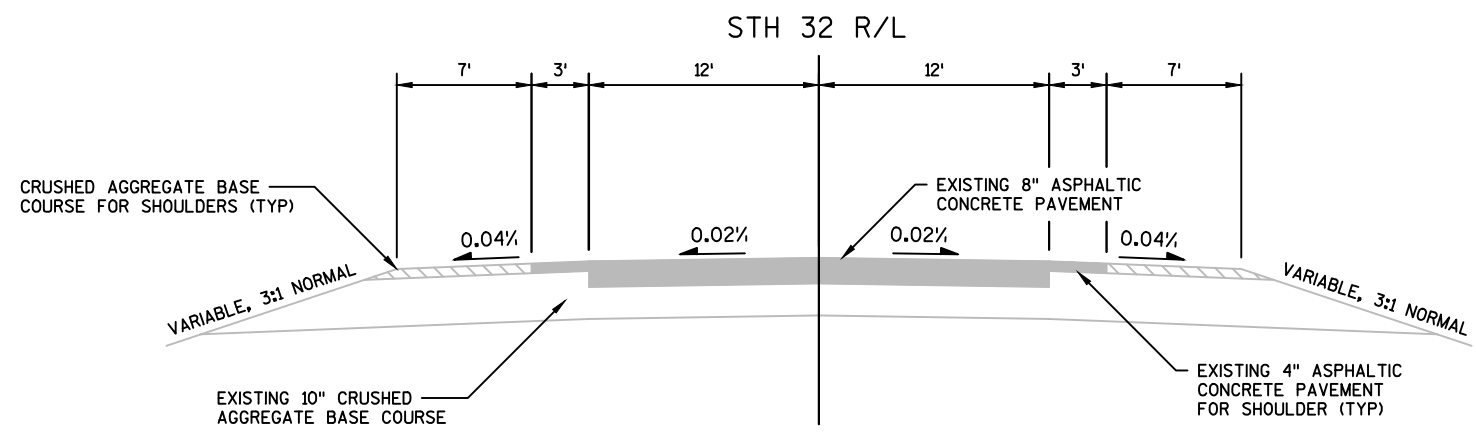
EXISTING TYPICAL SECTION STH 32

STA 92+64 TO STA 96+13



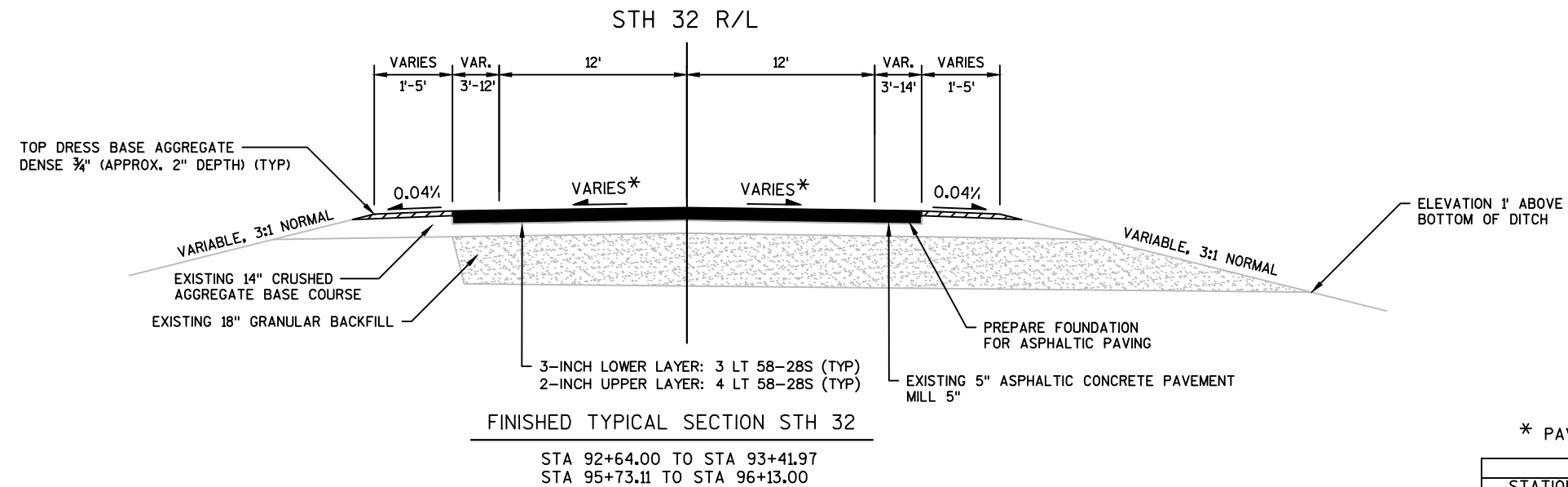
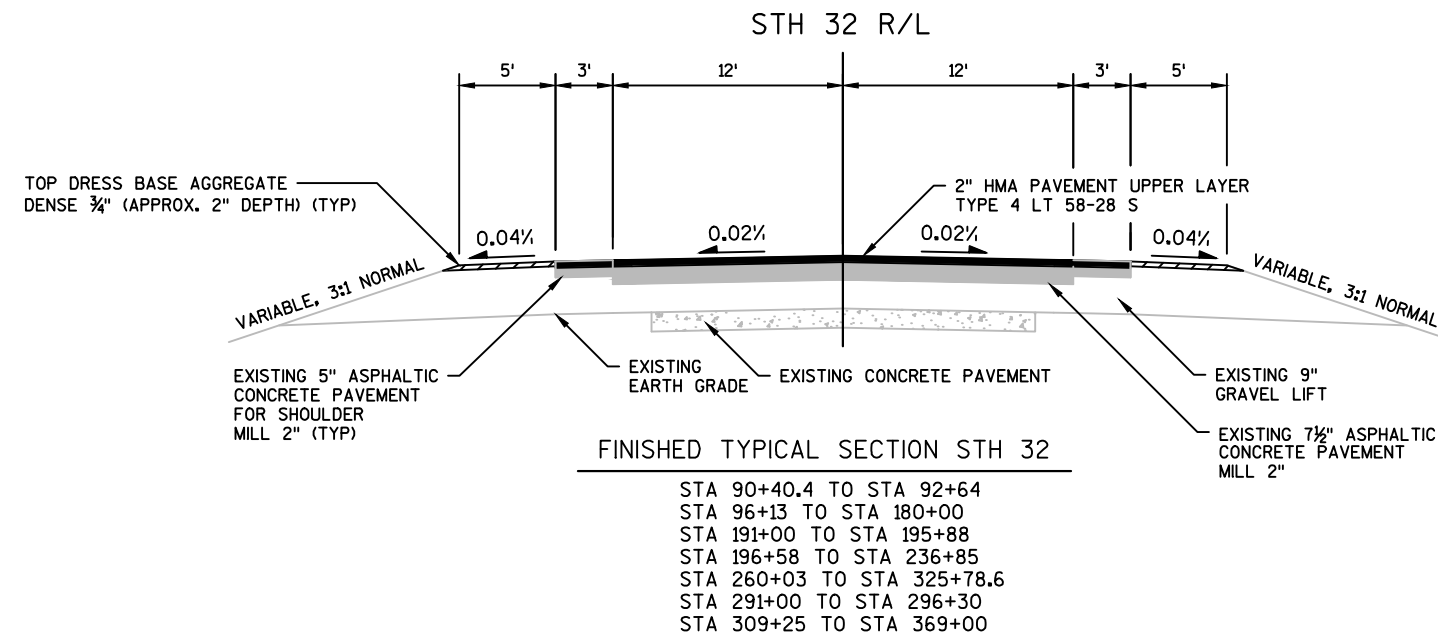
EXISTING TYPICAL SECTION STH 32

STA 236+85 TO STA 248+93.21 BK
STA 249+08.42 AH TO STA 260+03
STA 296+30 TO STA 314+88.89 BK
STA 307+35.28 AH TO STA 309+25



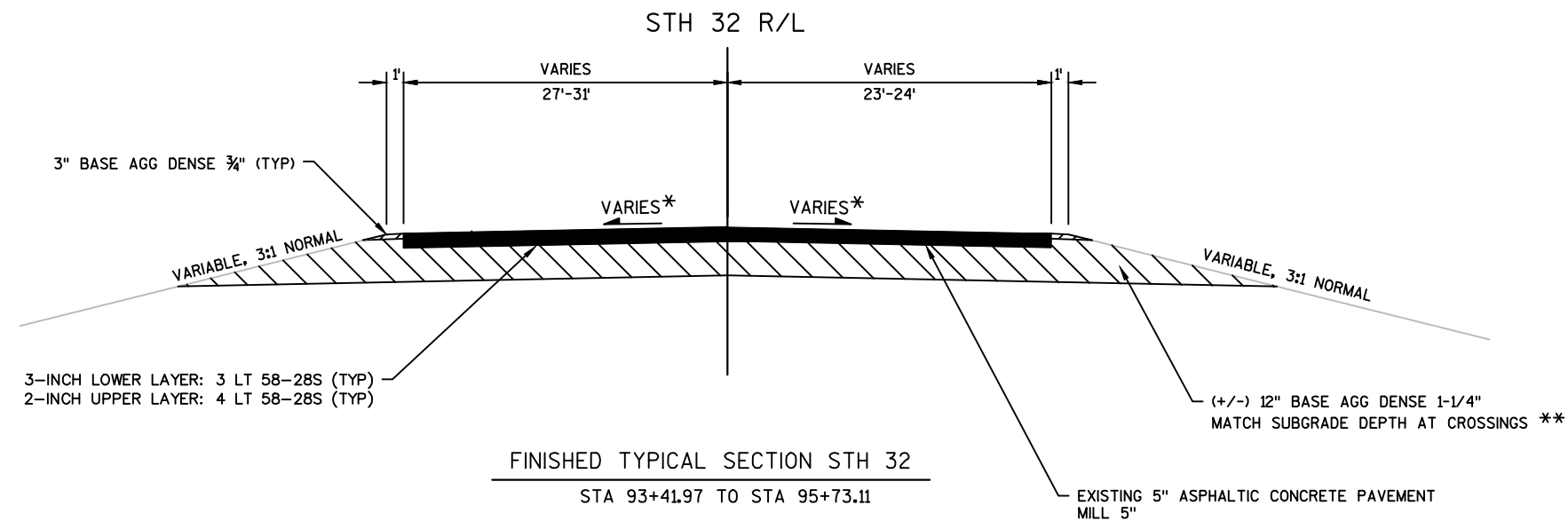
EXISTING TYPICAL SECTION STH 32

STA 6+76 TO STA 57+50.28 BK
STA 288+21.10 AH TO STA 291+00



* PAVEMENT CROSS SLOPE TABLE

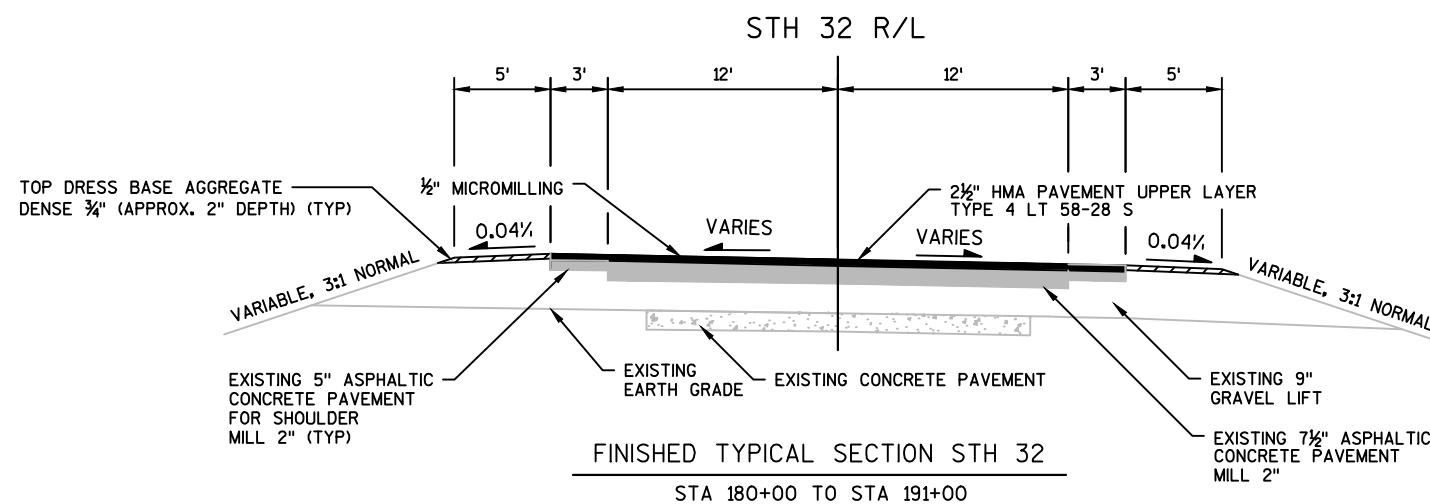
STATION	SLOPE (FT/FT)	
	LEFT	RIGHT
93+64.00	-0.02	-0.02
SOUTH XING	+0.003	-0.003
NORTH XING	+0.004	-0.004
96+45.00	-0.02	-0.02

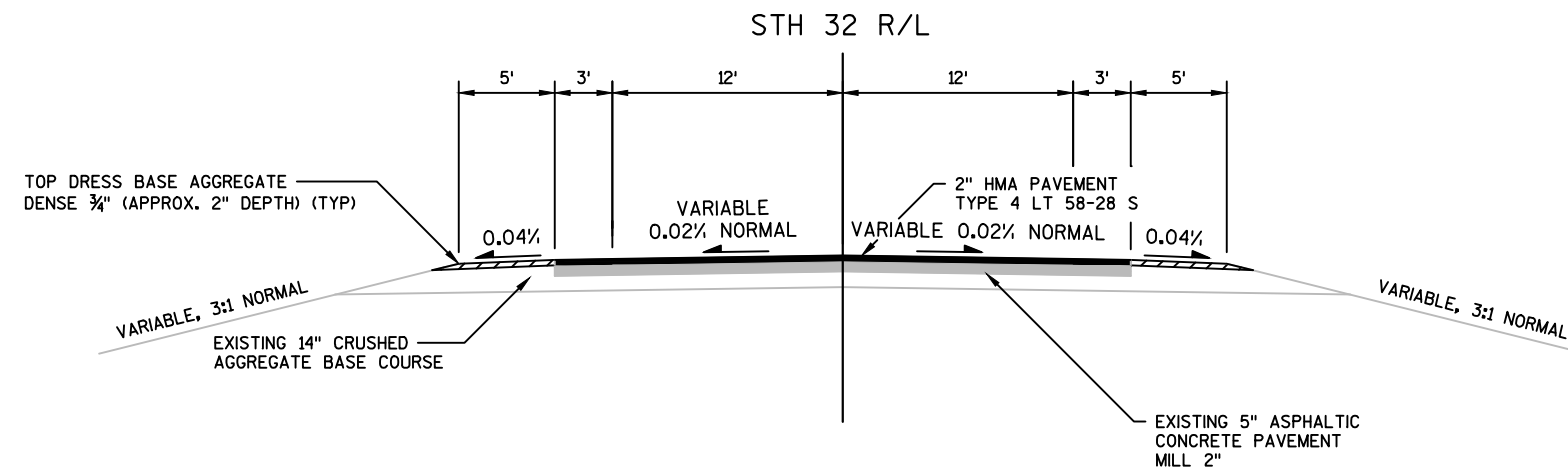


* PAVEMENT CROSS SLOPE TABLE

STATION	SLOPE (FT/FT)	
	LEFT	RIGHT
93+64.00	-0.02	-0.02
SOUTH XING	+0.003	-0.003
NORTH XING	+0.004	-0.004
96+45.00	-0.02	-0.02

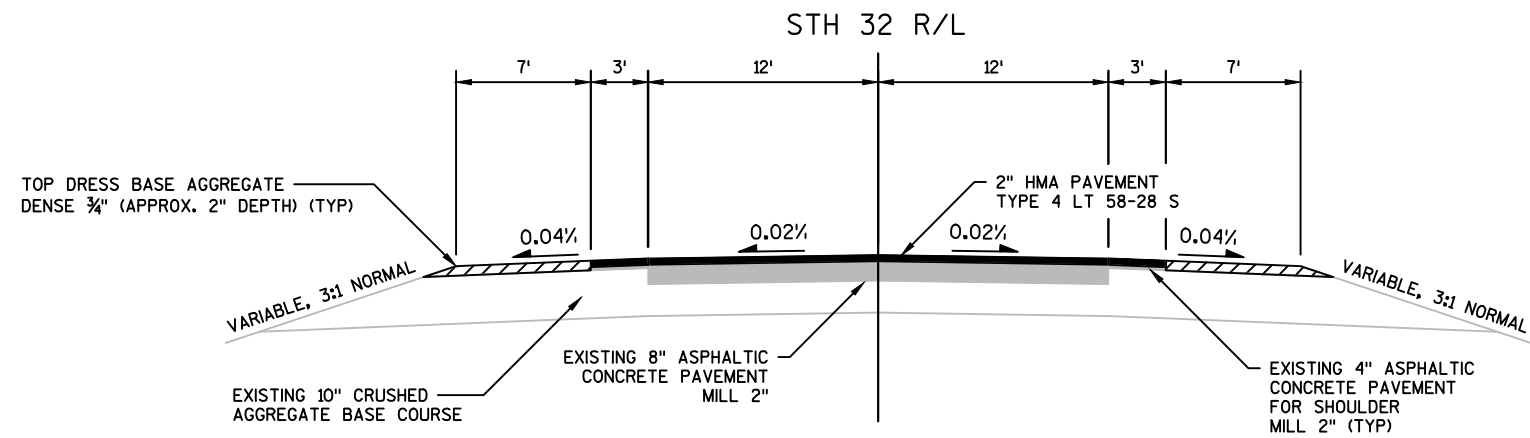
** DEPTH INCREASES AT A 20:1 TAPER AS THE ROAD APPROACHES THE RAILROAD CROSSINGS. REFER TO SEPARATE TYPICAL SECTION FOR THE RAILROAD FOR ADDITIONAL DETAILS.





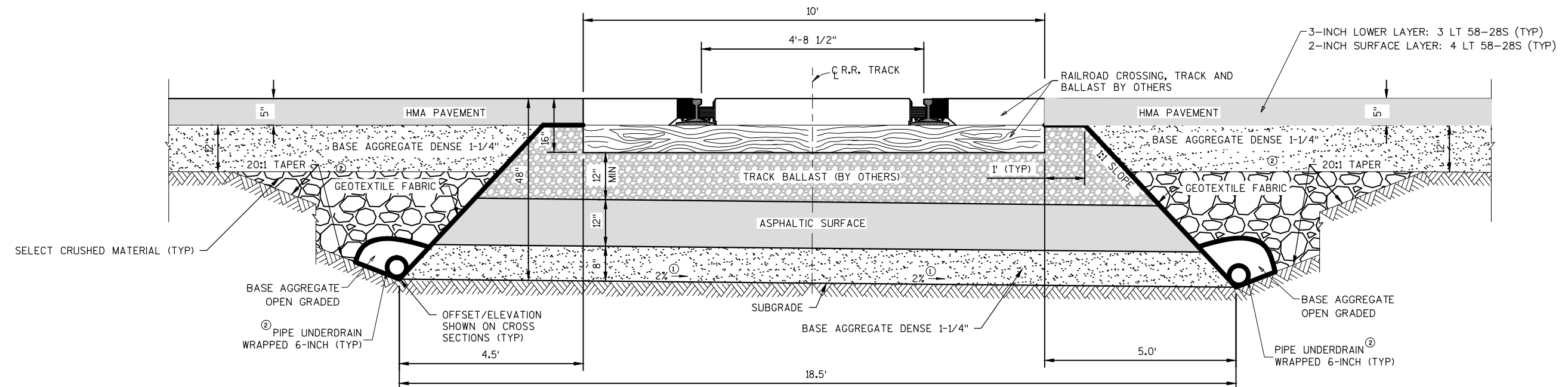
FINISHED TYPICAL SECTION STH 32

STA 236+85 TO STA 248+93.22 BK
STA 249+08.42 AH TO STA 260+03
STA 296+30 TO STA 314+88.89 BK
STA 307+35.28 AH TO STA 309+25



FINISHED TYPICAL SECTION STH 32

STA 21+85.8 TO STA 57+50.25 BK
STA 288+21.10 AH TO STA 291+00



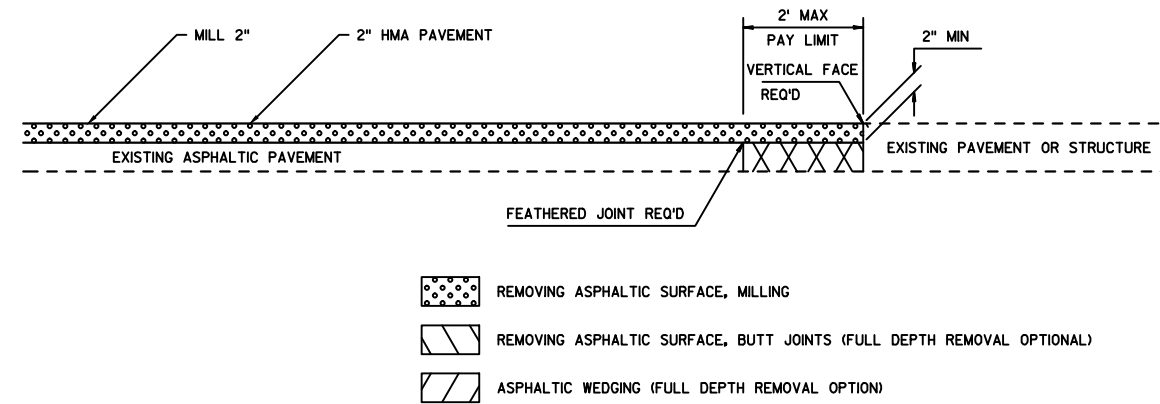
FINISHED TYPICAL SECTION

RAILROAD CROSSINGS @ STH 32
(NOT TO SCALE)

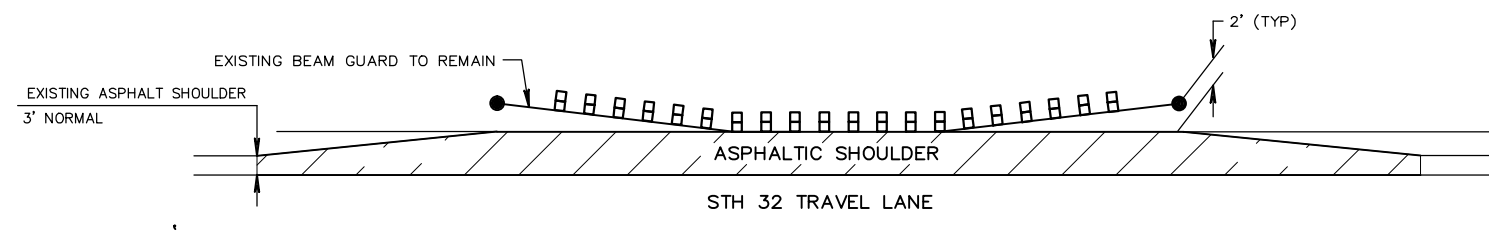
NOTES:

1) 2% CROSS SLOPE REQUIRED ON RAILROAD CROSS SLOPE AND THE ASPHALT UNDERLAYMENT. SLOPE IS CONTINUOUS AND DOES NOT CROWN AT THE TRACK CENTERLINE. SEE SEPARATE CONSTRUCT DETAIL FOR SLOPE DIRECTION.

2) GEOTEXTILE FABRIC TYPE SAS PLACED IN ORDER TO PROVIDE SEPARATION UNDER AND AROUND THE UNDERDRAIN AND TO PROVIDE SEPARATION BETWEEN ROADWAY BASE AGGREGATE DENSE AND TRACK BALLAST.

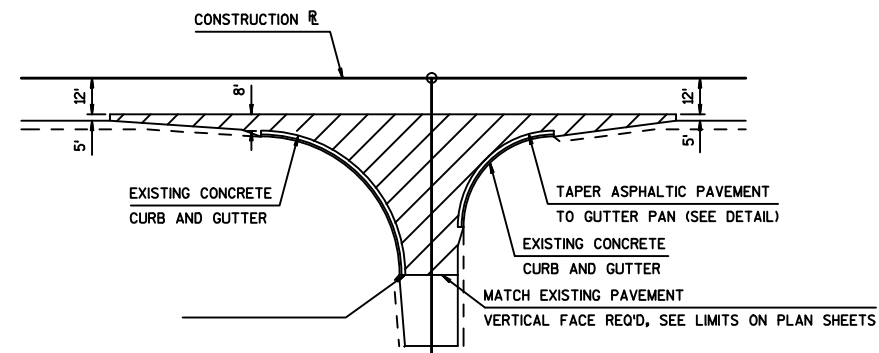


BUTT JOINT DETAIL FOR MILLED ASPHALTIC PAVEMENTS

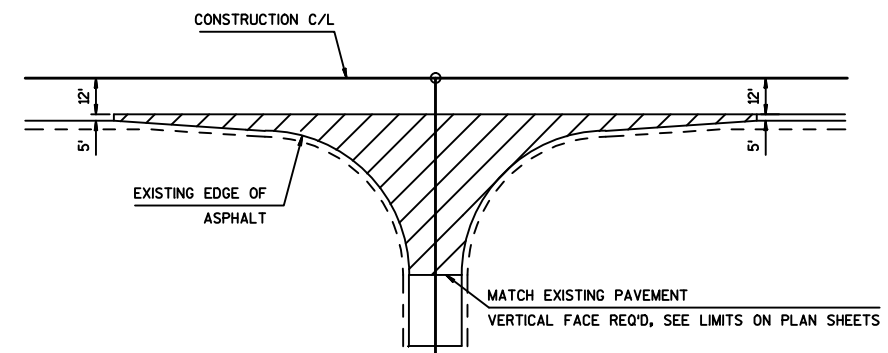


ASPHALTIC SHOULDER DETAIL AT GUARDRAIL

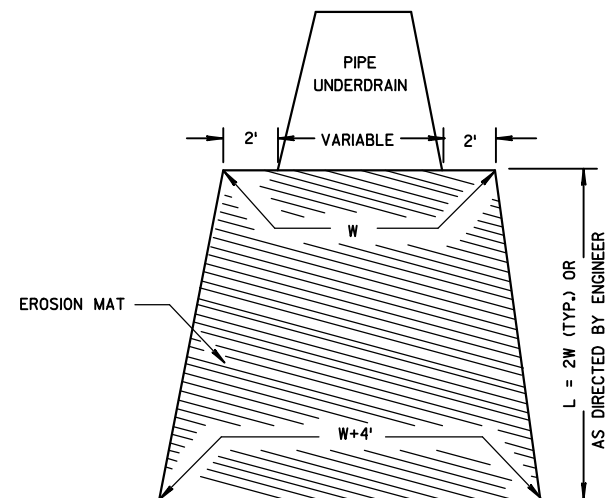
194+70 - 198+90 STH 32, RT
195+20 - 199+40 STH 32, LT



SIDE ROAD CONSTRUCTION LIMITS
EXISTING CURB AND GUTTER RETURNS

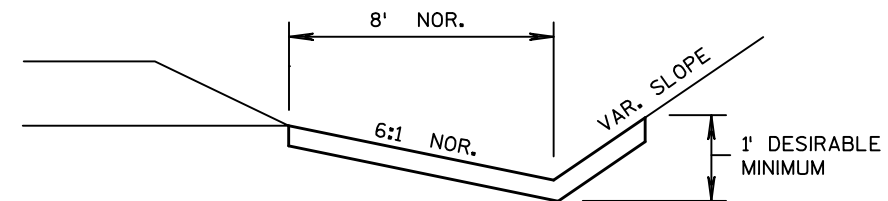


SIDE ROAD CONSTRUCTION LIMITS
EXISTING AGGREGATE SHOULDER RETURNS



EROSION MAT TREATMENT AT PIPE UNDERDRAIN OUTFALL

STA 1093+08, 49.5' RT
STA 1096+10, 44.3' LT



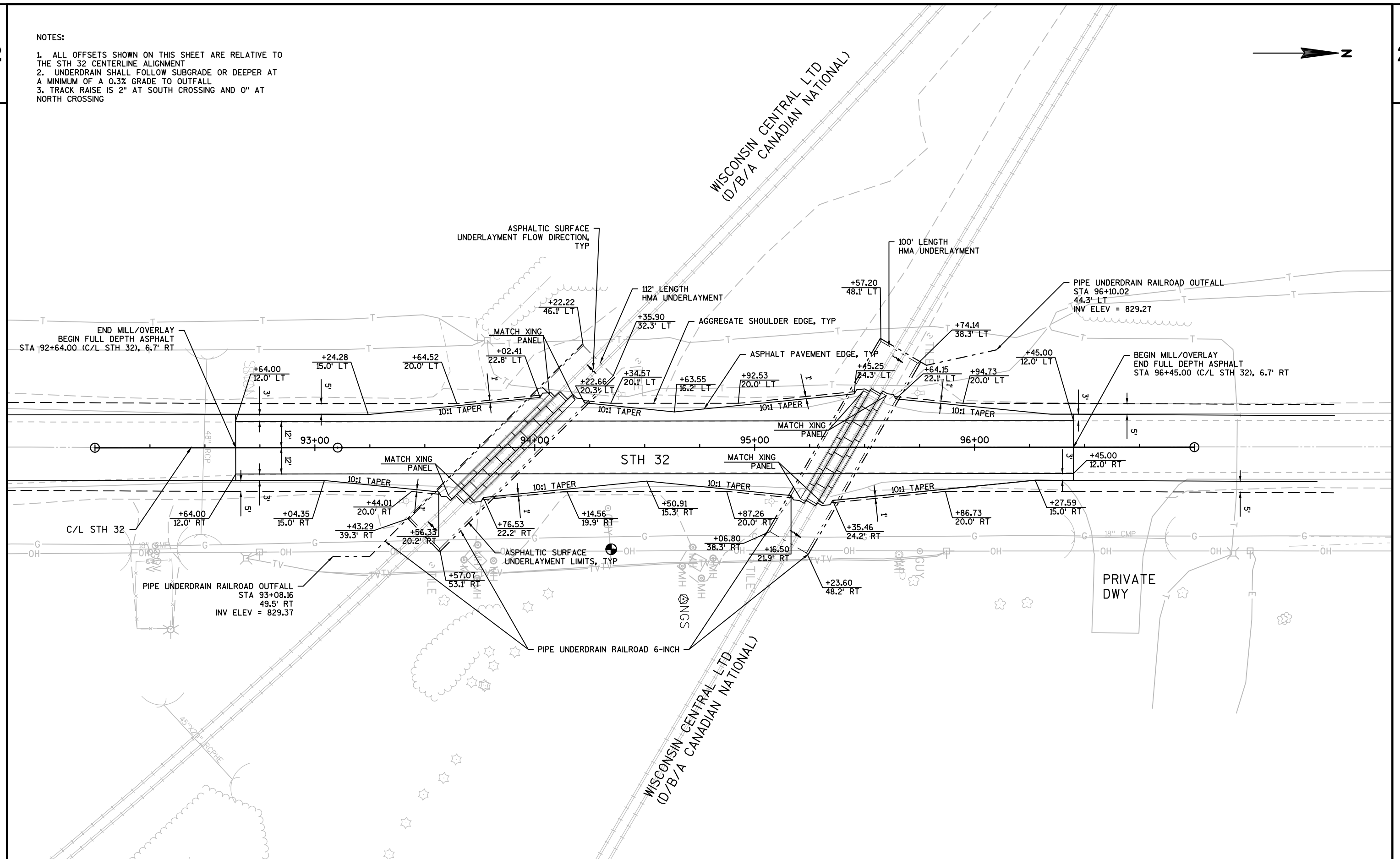
EROSION MAT DETAIL FOR DITCHES

2

NOTES:

1. ALL OFFSETS SHOWN ON THIS SHEET ARE RELATIVE TO THE STH 32 CENTERLINE ALIGNMENT
2. UNDERDRAIN SHALL FOLLOW SUBGRADE OR DEEPER AT A MINIMUM OF A 0.3% GRADE TO OUTFALL
3. TRACK RAISE IS 2" AT SOUTH CROSSING AND 0" AT NORTH CROSSING

2 |



PROJECT NO: 4085-61-60

HWY:STH 32

COUNTY: CALUMET

CONSTRUCTION DETAILS - RAILROAD CROSSING

SHEET

3



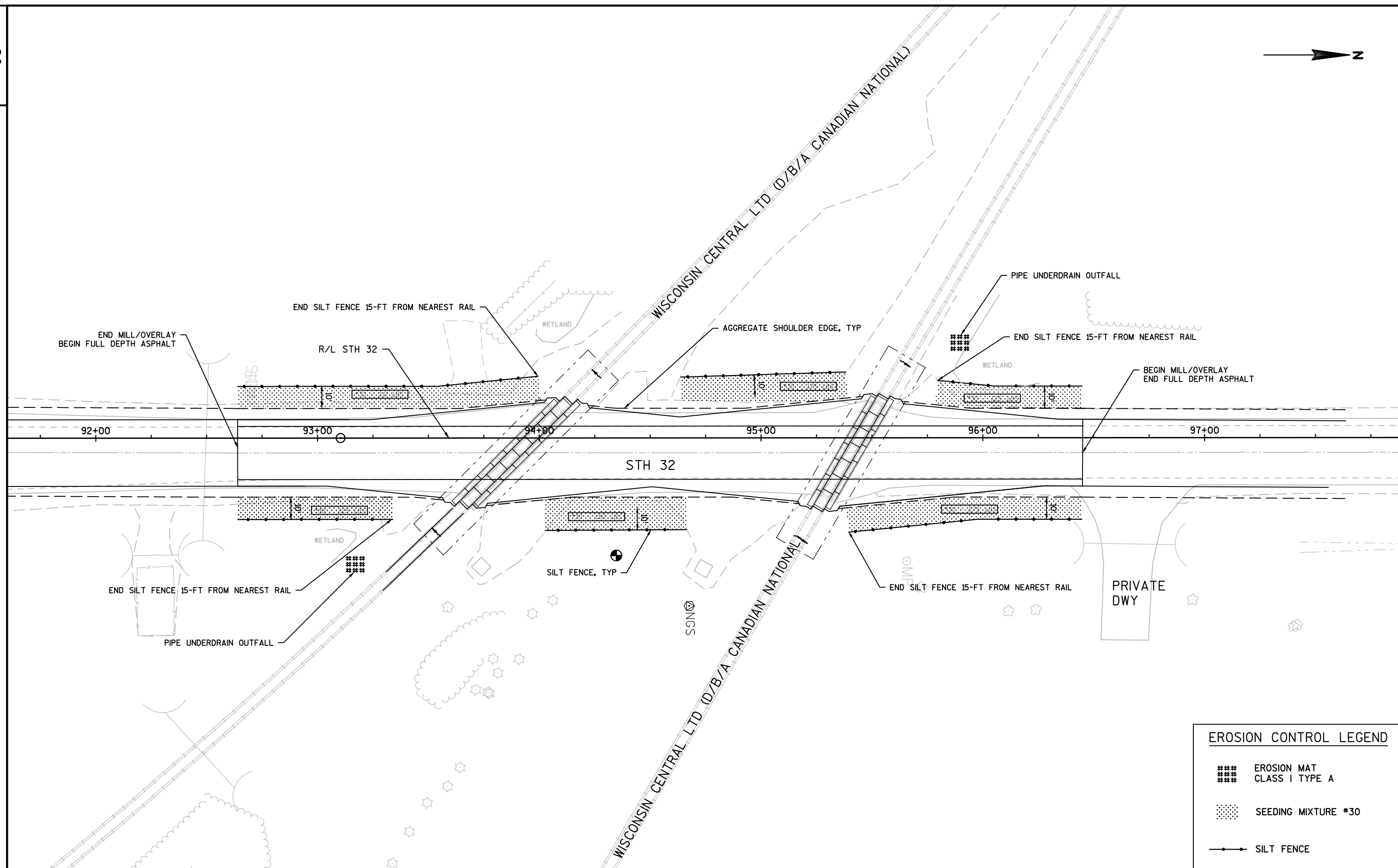
FILE NAME : N:\PDS\C3D\40855130\SHEETSPLAN\020402_CD2.DWG
LAYOUT NAME - 020403_CD

PLOT DATE : 4/10/2017 11:02 AM

PLOT BY : DUMS, ALEXANDER T PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



EROSION CONTROL LEGEND

- ### EROSION MAT
CLASS I TYPE A
- SEEDING MIXTURE #30
- SILT FENCE

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND 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 POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.

Village Parking Sign
To Be Remounted

Hilbert
POPULATION 1132

I2-3
60" X 24"

2



W3-5
36" X 36"

4

90

95

100

CN RAILROAD

CN RAILROAD

1



I55-56
30" X 36"

3

Forest Jct 5
Greenleaf 13
Green Bay 28

D2-3
84" X 36"

5

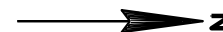


W14-3
48" X 36"

6



J4-2
48" X 36"



W10-1
36" X 36"

7



R1-1
30" X 30"

9

CROSTOWN RD

110

115

120

8



R2-1
24" X 30"

○ SIGN-REMOVE AND REPLACE

□ SIGN-REMOVE EXISTING

⬡ SIGN-PLACE NEW

10



R1-1
30" X 30"

11



12



PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4085-61-60

HWY: STH 32

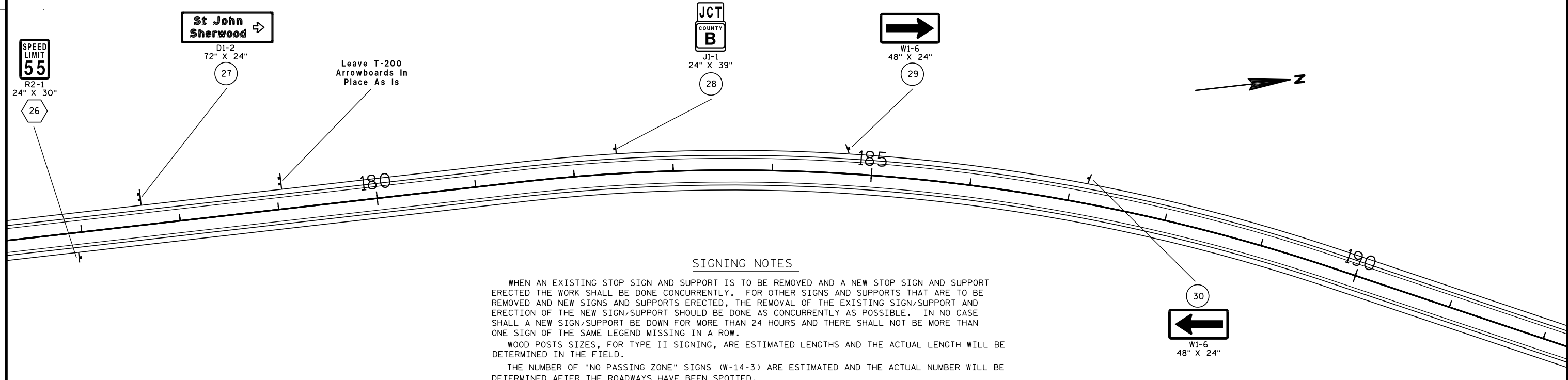
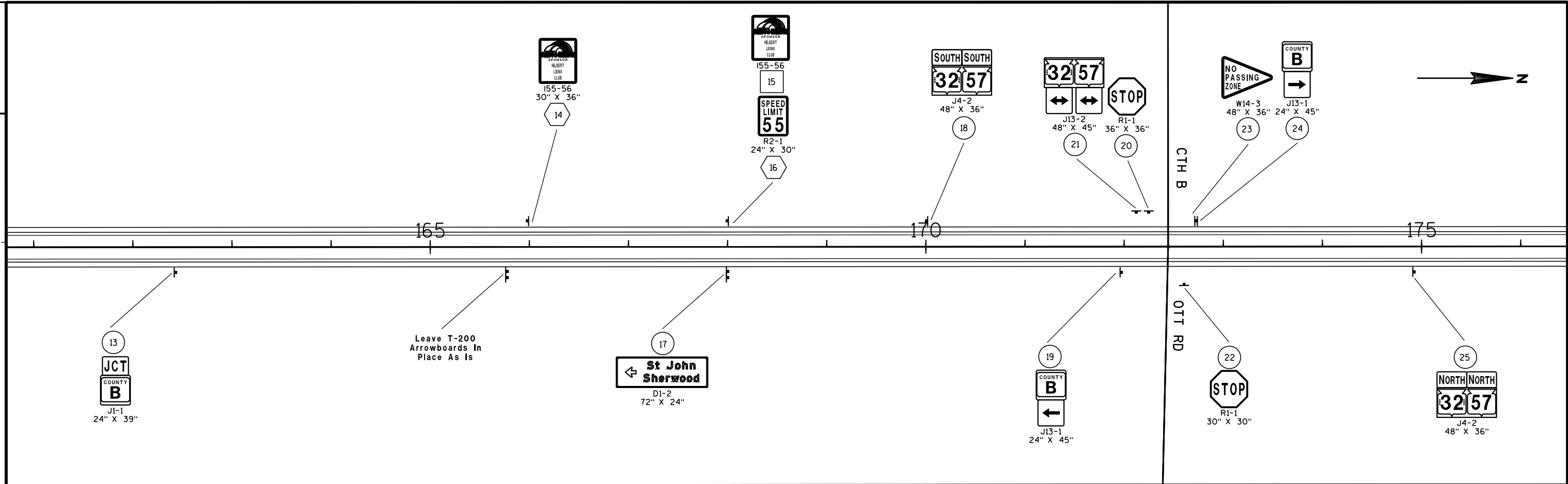
COUNTY: CALUMET

PERMANENT SIGNING

SHEET

15

E



SIGNING NOTES

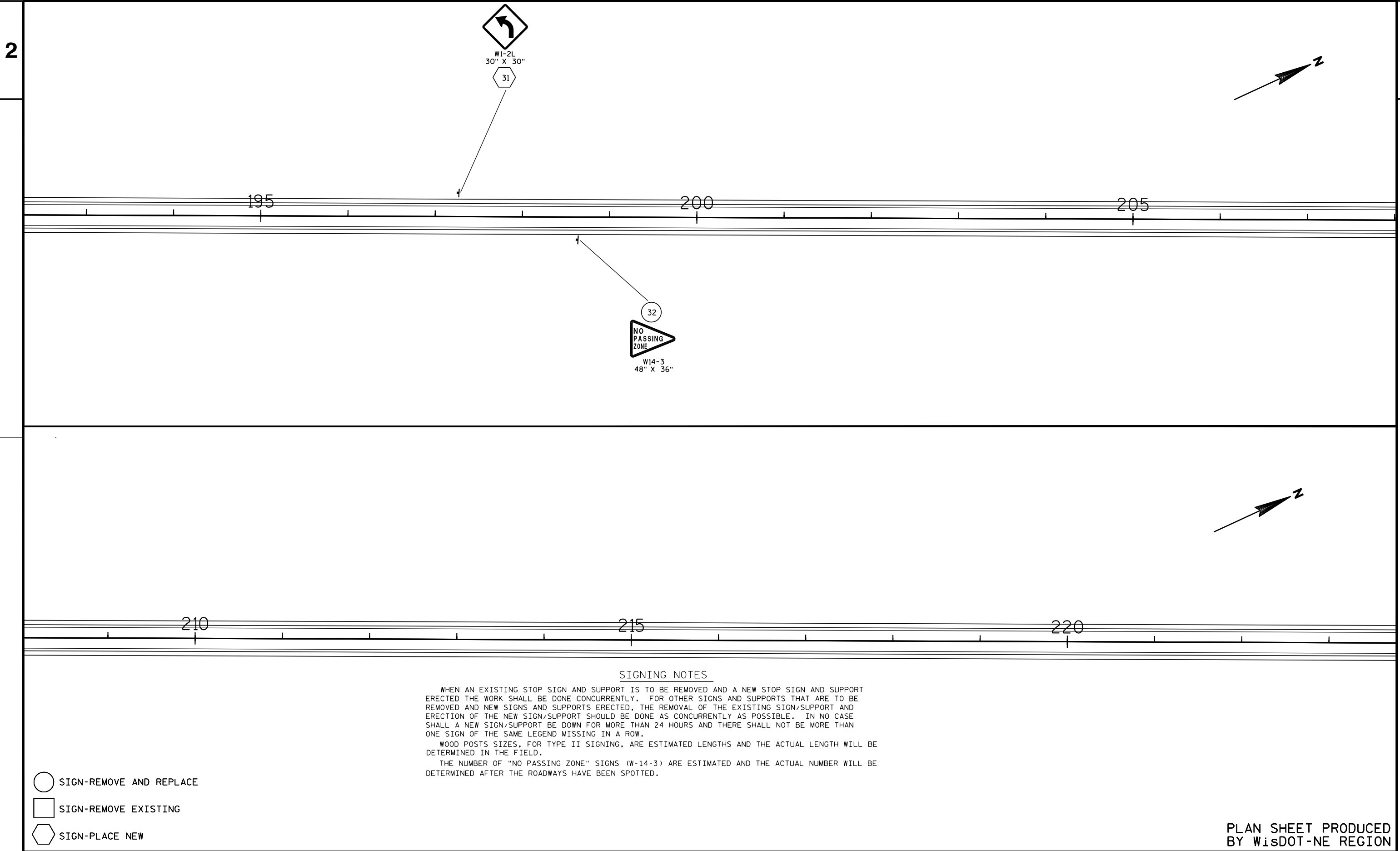
WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD 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 POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.

- SIGN-REMOVE AND REPLACE
- SIGN-REMOVE EXISTING
- SIGN-PLACE NEW

PLAN SHEET PRODUCED
BY WisDOT-NE REGION



SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND 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 POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.



W14-3
48" X 36"

33



W11-3

35

NEXT
2 MILES

W57-51

36

225

230

235

CENTER RD

34



R1-1
30" X 30"



240

245

250

255



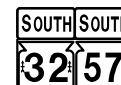
W1-6
48" X 24"

38



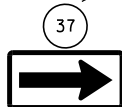
R2-1
24" X 30"

41



J4-2
48" X 36"

42



W1-6
48" X 24"

37

39



J1-1
24" X 39"

40



D1-1
60" X 15"



SIGN-REMOVE AND REPLACE



SIGN-REMOVE EXISTING



SIGN-PLACE NEW

PLAN SHEET PRODUCED
BY WISDOT-NE REGION

PROJECT NO: 4085-61-60

HWY: STH 32

COUNTY: CALUMET

PERMANENT SIGNING

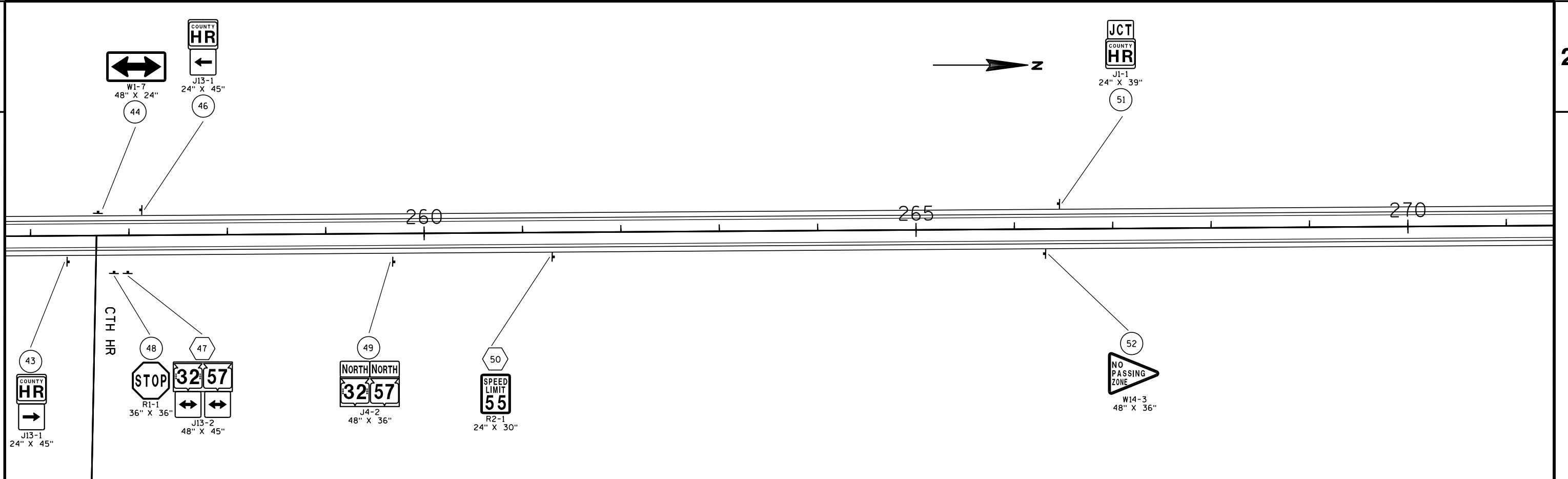
SHEET

18

E

2

2



SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND 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 POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.



30" X 30"

53

HARVESTORE RD



285



R1-1
30" X 30

PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4085-61-60

HWY: STH 32

COUNTY: CALUMET

PERMANENT SIGNING

SHEET 19

3

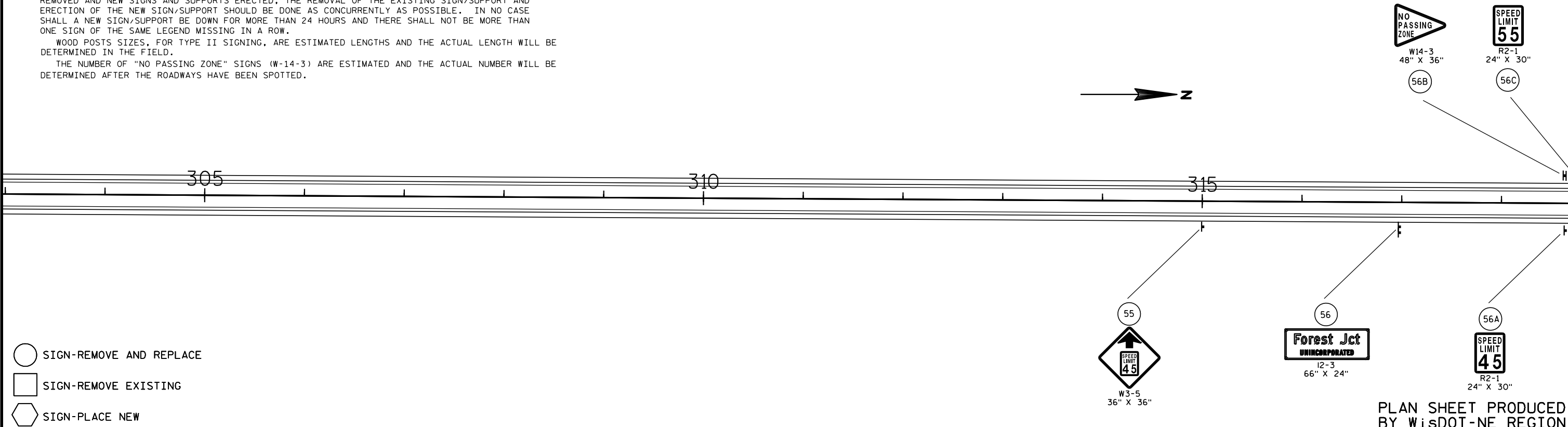


SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND 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.

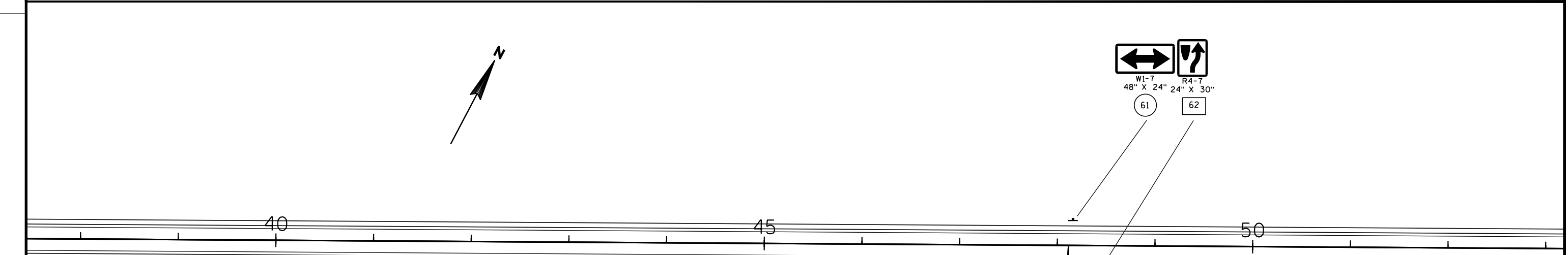
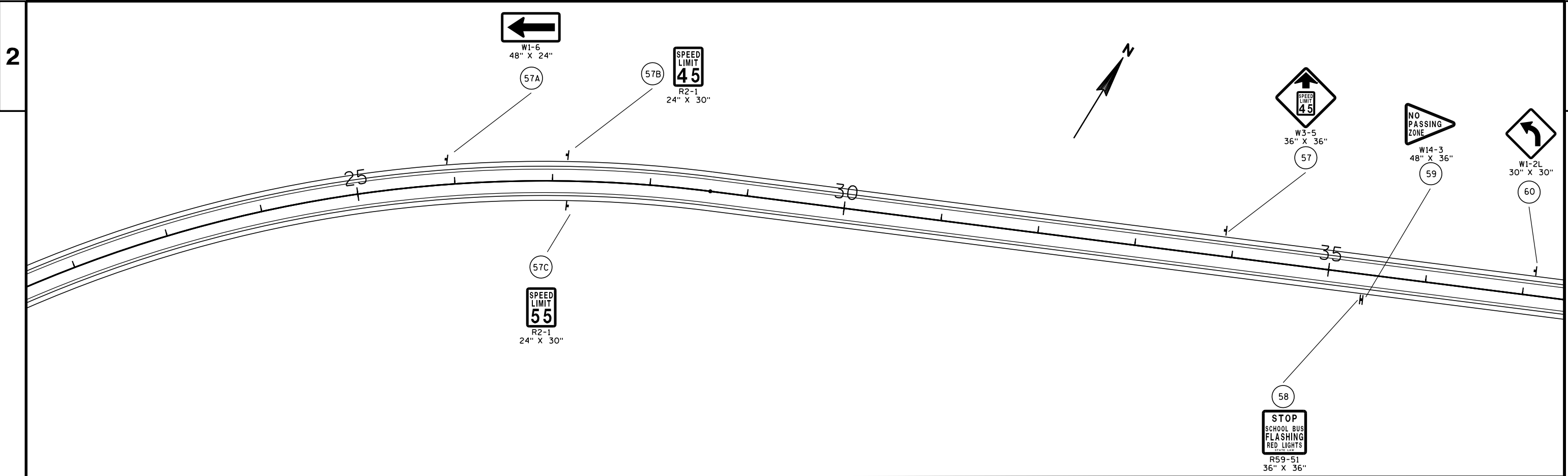
WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.



-  SIGN-REMOVE AND REPLACE
-  SIGN-REMOVE EXISTING
-  SIGN-PLACE NEW

PLAN SHEET PRODUCED
BY WisDOT-NE REGION



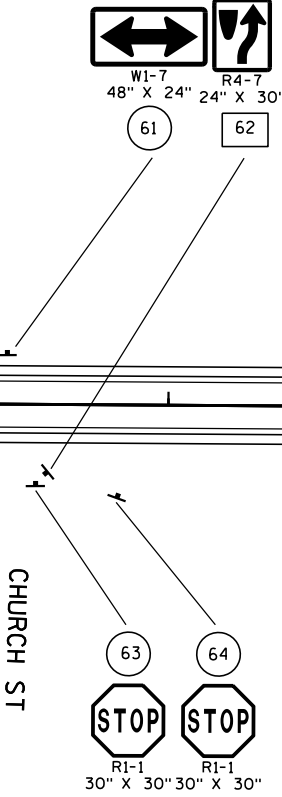
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-  SIGN-REMOVE AND REPLACE
-  SIGN-REMOVE EXISTING
-  SIGN-PLACE NEW



PLAN SHEET PRODUCED
BY WisDOT-NE REGION

Forest Jct
UNINCORPORATED12-3
66" X 24"

65

55

290

295

66

NO
PASSING
ZONEW14-3
48" X 36"NO
PASSING
ZONEW14-3
48" X 36"

67

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND 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.

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SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

68

JCT
COUNTY
KJ1-1
24" X 39"

PROJECT NO: 4085-61-60

HWY: STH 32

COUNTY: CALUMET

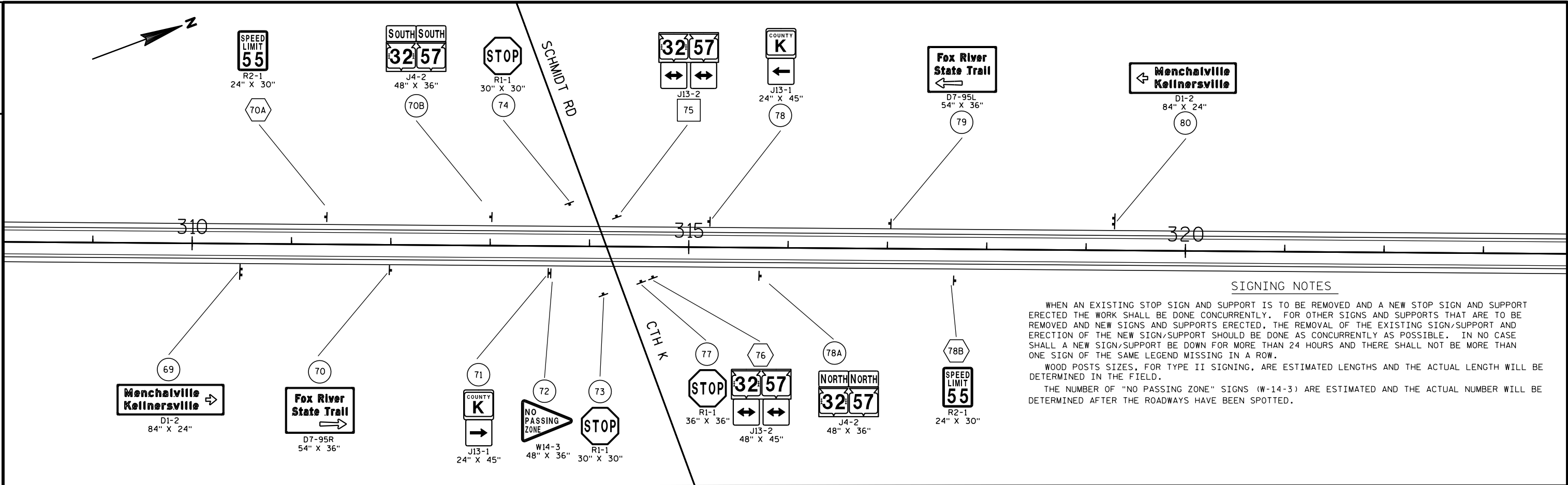
PERMANENT SIGNING

SHEET

22

E

PLAN SHEET PRODUCED
BY WISDOT-NE REGION

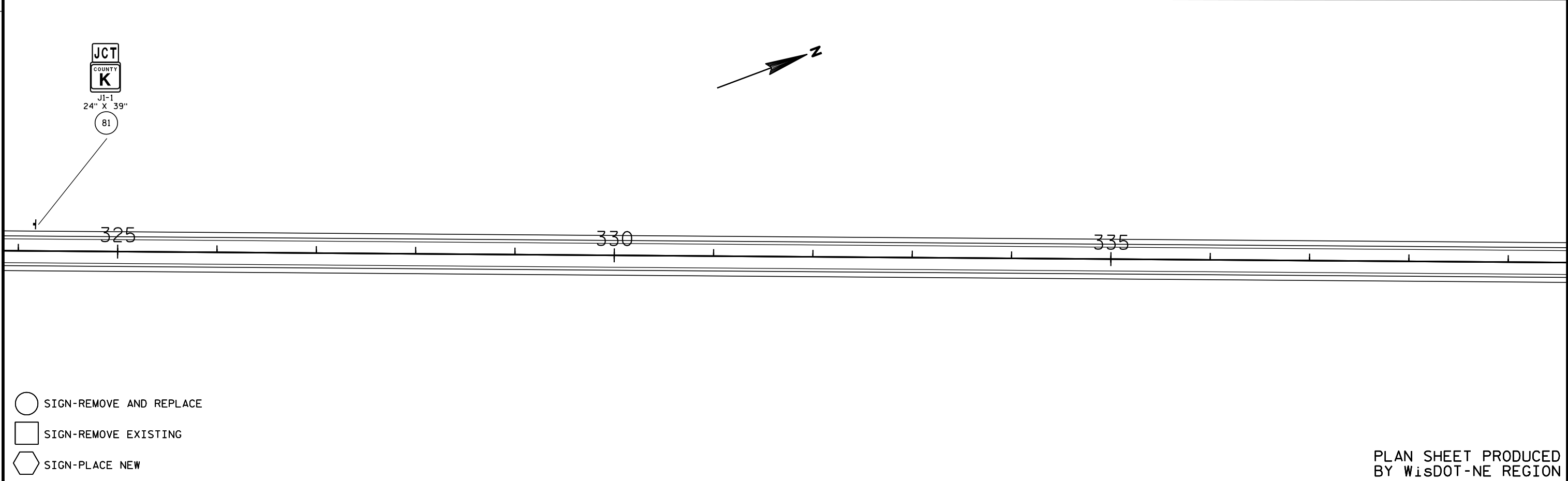


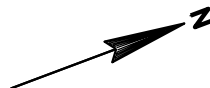
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W14-3
48" X 36"

82

340

345

350

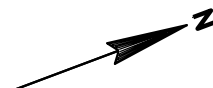
355

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND 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.

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360

365

370



SIGN-REMOVE AND REPLACE



SIGN-REMOVE EXISTING



SIGN-PLACE NEW

83

W14-3
48" X 36"PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4085-61-60

HWY: STH 32

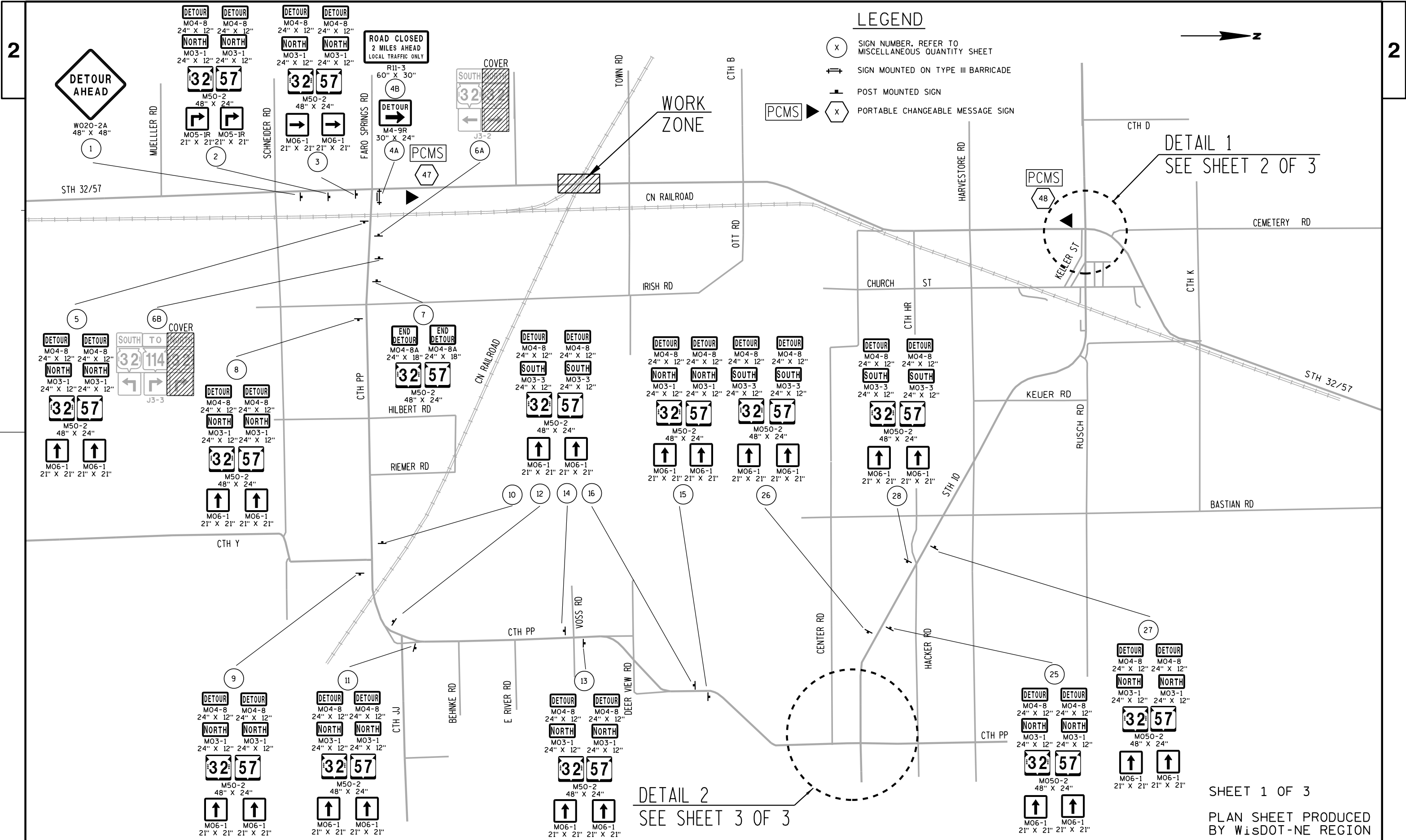
COUNTY: CALUMET

PERMANENT SIGNING

SHEET

24

E



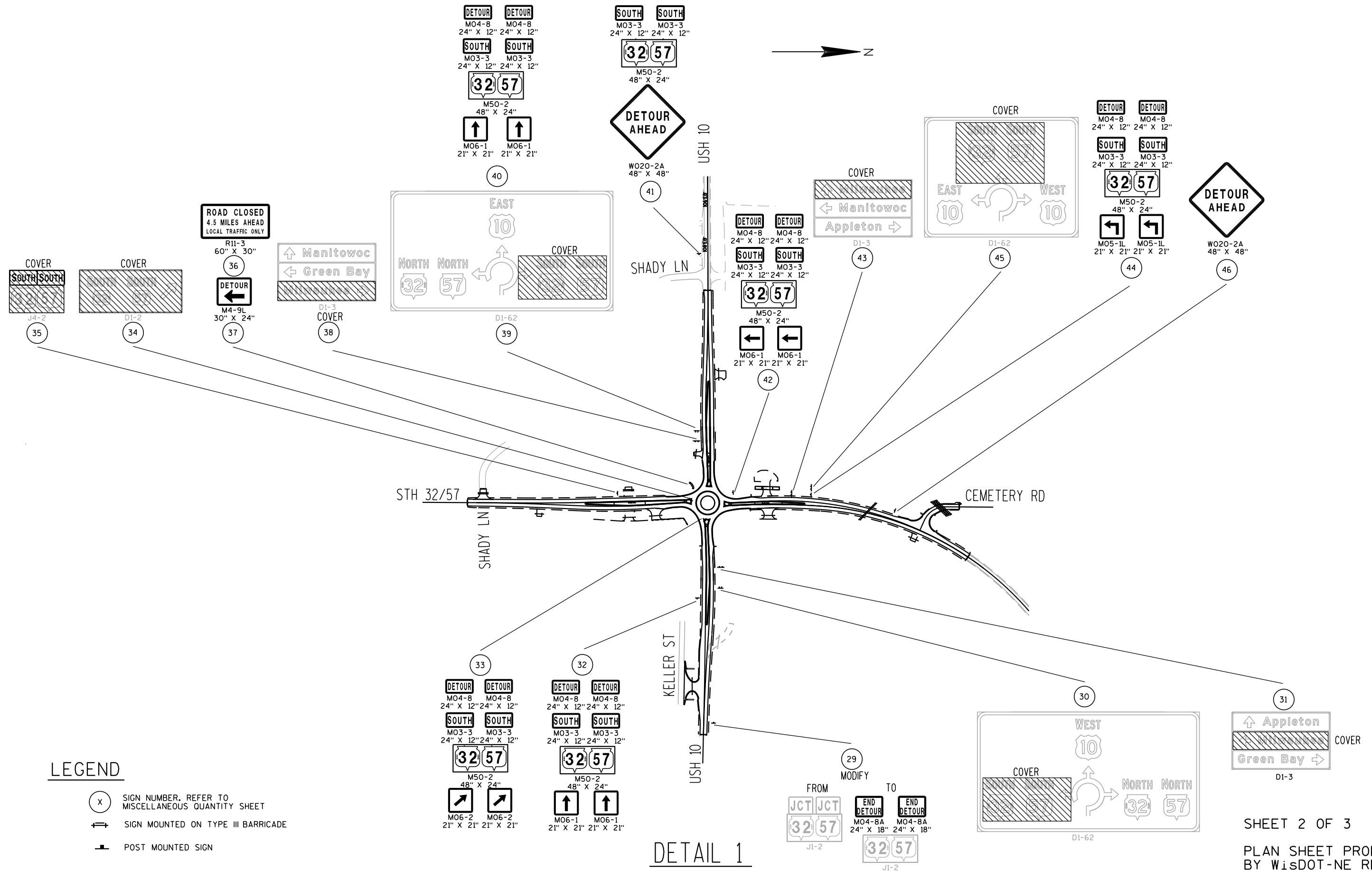
LEGEND

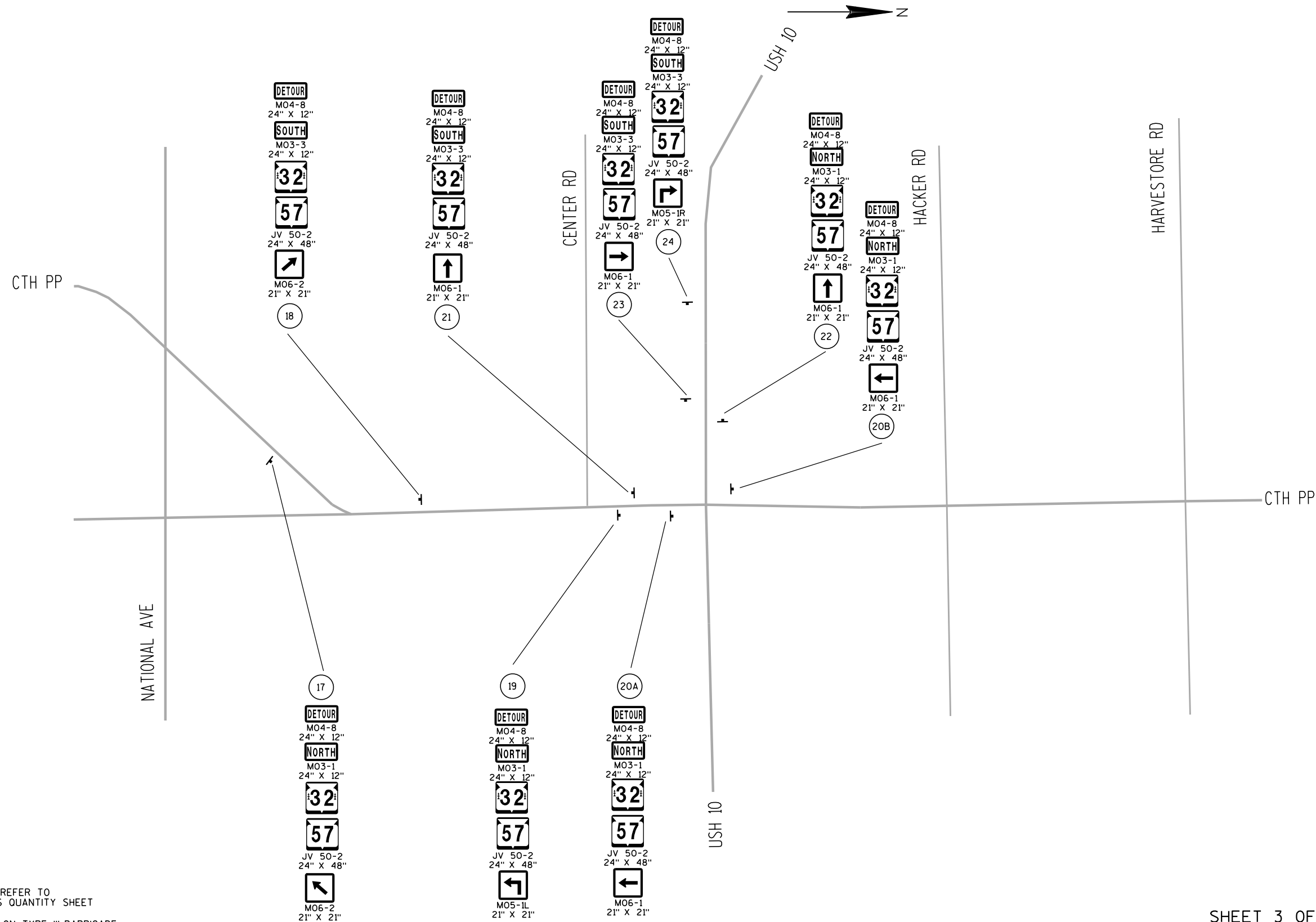
- (X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN
- PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN

DETAIL 1
SEE SHEET 2 OF 3

DETAIL 2
SEE SHEET 3 OF 3

SHEET 1 OF 3
PLAN SHEET PRODUCED
BY WISDOT-NE REGION





LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- Sign mounted on Type III Barricade
- Post mounted sign

DETAIL 2

SHEET 3 OF 3
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

Estimate Of Quantities

4085-61-60					
Line	Item	Item Description	Unit	Total	Qty
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	104.000	104.000
0020	204.0120	Removing Asphaltic Surface Milling	SY	126,042.000	126,042.000
0030	204.0165	Removing Guardrail	LF	200.000	200.000
0040	205.0100	Excavation Common	CY	1,464.000	1,464.000
0050	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 4085-61-60	LS	1.000	1.000
0060	213.0100	Finishing Roadway (project) 01. 4085-61-60	EACH	1.000	1.000
0070	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,172.000	2,172.000
0080	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	746.000	746.000
0090	305.0500	Shaping Shoulders	STA	703.000	703.000
0100	312.0110	Select Crushed Material	TON	460.000	460.000
0110	440.4410	Incentive IRI Ride	DOL	54,330.000	54,330.000
0120	455.0605	Tack Coat	GAL	7,659.000	7,659.000
0130	460.2005	Incentive Density PWL HMA Pavement	DOL	10,280.000	10,280.000
0140	460.2010	Incentive Air Voids HMA Pavement	DOL	15,100.000	15,100.000
0150	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	35,861.000	35,861.000
0160	460.5223	HMA Pavement 3 LT 58-28 S	TON	300.000	300.000
0170	460.5224	HMA Pavement 4 LT 58-28 S	TON	14,800.000	14,800.000
0180	465.0105	Asphaltic Surface	TON	225.000	225.000
0190	465.0110	Asphaltic Surface Patching	TON	200.000	200.000
0200	465.0475	Asphalt Center Line Rumble Strips 2-Lane Rural	LF	32,990.000	32,990.000
0210	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	2.000	2.000
0220	614.0370	Steel Plate Beam Guard Energy Absorbing Terminal	EACH	4.000	4.000
0230	618.0100	Maintenance And Repair of Haul Roads (project) 01. 4085-61-60	EACH	1.000	1.000
0240	619.1000	Mobilization	EACH	1.000	1.000
0250	624.0100	Water	MGAL	43.800	43.800
0260	625.0500	Salvaged Topsoil	SY	690.000	690.000
0270	627.0200	Mulching	SY	690.000	690.000
0280	628.1504	Silt Fence	LF	578.000	578.000
0290	628.1520	Silt Fence Maintenance	LF	578.000	578.000
0300	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0310	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0320	628.2002	Erosion Mat Class I Type A	SY	6.000	6.000
0330	629.0210	Fertilizer Type B	CWT	1.000	1.000
0340	630.0130	Seeding Mixture No. 30	LB	13.000	13.000
0350	633.5200	Markers Culvert End	EACH	5.000	5.000
0360	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	81.000	81.000
0370	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	9.000	9.000

Estimate Of Quantities

4085-61-60					
Line	Item	Item Description	Unit	Total	Qty
0380	637.2210	Signs Type II Reflective H	SF	516.430	516.430
0390	637.2230	Signs Type II Reflective F	SF	168.570	168.570
0400	638.2602	Removing Signs Type II	EACH	84.000	84.000
0410	638.3000	Removing Small Sign Supports	EACH	89.000	89.000
0420	642.5001	Field Office Type B	EACH	1.000	1.000
0430	643.0100	Traffic Control (project) 01. 4085-61-60	EACH	1.000	1.000
0440	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000
0450	643.0420	Traffic Control Barricades Type III	DAY	24.000	24.000
0460	643.0705	Traffic Control Warning Lights Type A	DAY	48.000	48.000
0470	643.0900	Traffic Control Signs	DAY	630.000	630.000
0480	643.0910	Traffic Control Covering Signs Type I	EACH	2.000	2.000
0490	643.0920	Traffic Control Covering Signs Type II	EACH	8.000	8.000
0500	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0510	643.2000	Traffic Control Detour (project) 01. 4085-61-60	EACH	1.000	1.000
0520	643.3000	Traffic Control Detour Signs	DAY	2,376.000	2,376.000
0530	645.0111	Geotextile Type DF Schedule A	SY	512.000	512.000
0540	645.0140	Geotextile Type SAS	SY	360.000	360.000
0550	646.0103	Pavement Marking Paint 4-Inch	LF	54,640.000	54,640.000
0560	646.0406	Pavement Marking Same Day Epoxy 4-Inch	LF	59,120.000	59,120.000
0570	646.2304.S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	LF	75,884.000	75,884.000
0580	646.2308.S	Pavement Marking Grooved Wet Reflective Epoxy 8-Inch	LF	406.000	406.000
0590	647.0110	Pavement Marking Railroad Crossings Epoxy	EACH	4.000	4.000
0600	647.0556	Pavement Marking Stop Line Epoxy 12-Inch	LF	15.000	15.000
0610	648.0100	Locating No-Passing Zones	MI	6.260	6.260
0620	649.0403	Temporary Pavement Marking Epoxy 4-Inch	LF	54,640.000	54,640.000
0630	650.8000	Construction Staking Resurfacing Reference	LF	32,990.000	32,990.000
0640	690.0150	Sawing Asphalt	LF	457.000	457.000
0650	SPV.0060	Special 01. HMA Percent Within Limits (PWL) Test Strip	EACH	1.000	1.000
0660	SPV.0090	Special 01. Pipe Underdrain Railroad 6-Inch	LF	547.000	547.000
0670	SPV.0180	Special 01. Micromilling	SY	3,667.000	3,667.000

3

REMOVING ASPHALTIC SURFACE BUTT JOINTS

CATEGORY	LOCATION		204.0115	
	FROM	OFFSET	SY	
0010	STH 32 / BEGINNING OF PROJECT	LT/RT	7	
	CROSSTOWN ROAD	LT	7	
	CROSSTOWN ROAD	RT	7	
	CTH B	LT	7	
	CTH B	RT	7	
	CENTER ROAD	RT	7	
	HARVESTORE ROAD	LT	6	
	HARVESTORE ROAD	RT	6	
	STH 32 / SOUTH ROUNDABOUT LIMITS	LT/RT	7	
	STH 32 / NORTH ROUNDABOUT LIMITS	LT/RT	7	
	CHURCH STREET	RT	14	
	SCHMIDT ROAD	LT	7	
	SCHMIDT ROAD	RT	8	
	STH 32 / END OF PROJECT	LT/RT	7	
	TOTAL		104	

3

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STATION		LOCATION		204.0120
	FROM	TO	FROM	TO	SY
0010	90+40.00	92+64.00	BEGINNING OF PROJECT	RAILROAD CROSSING	747
	92+64.00	96+45.00	RAILROAD CROSSING		--
	96+45.00	119+49.10	RAILROAD CROSSING	CROSSTOWN RD	8,147
	119+49.10	172+44.36	CROSSTOWN RD	CTH B	18,921
	172+44.36	180+00.00	CTH B	SOUTH MICROMILL LIMITS	3,250
	180+00.00	191+00.00	SOUTH MICROMILL LIMITS	NORTH MICROMILL LIMITS	3,667
	191+00.00	195+88.00	NORTH MICROMILL LIMITS	STRUCTURE B-08-0018	1,627
	196+58.00	230+74.34	STRUCTURE B-08-0018	CENTER RD	11,600
	230+74.34	256+66.99	CENTER RD	HACKER ROAD (CTH HR)	9,950
	256+66.99	282+66.47	HACKER ROAD (CTH HR)	HARVESTORE RD	9,689
	282+66.47	325+78.60	HARVESTORE RD	SOUTH ROUNDABOUT LIMITS	14,904
	21+85.80	48+11.54	NORTH ROUNDABOUT LIMITS	CHURCH ST	9,424
	48+11.54	314+20.43	CHURCH ST	SCHMIDT ROAD (CTH K)	15,353
	314+20.43	369+00.00	SCHMIDT ROAD (CTH K)	END OF PROJECT	18,763
	TOTAL				126,042

BEAM GUARD

CATEGORY	STATION		OFFSET	204.0165	614.0370
	FROM	TO		REMOVING GUARDRAIL	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
0010	194+87	195+37	LT	50	1
	198+33	198+83	LT	50	1
	194+37	194+87	RT	50	1
	197+58	198+08	RT	50	1
				200	4

PREPARE FOUNDATION FOR ASPHALTIC PAVING

211.0100			
CATEGORY	LOCATION	LS	COMMENTS
0010	STH 32	1	AS LOCATED ON THE TYPICAL SECTIONS
1			

Division	From/To Station	Location	205.0100 Common Excavation (1)		Salvaged/Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate +/- (14)	Waste
			Cut (2)	EBS Excavation (3)				Factor 1.25		
Division 1										
Railroad Crossing	1092+64 TO 1096+45	STH 32	1,464	0	176	1,288	39	49	1,239	1,239
Division 1 Subtotal			1,464	0	176	1,288	39	49	1,239	
Grand Total			1,464	0	176	1,288	39	49	1,239	0
Total Common Exc			1,464							

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

Depending on selections:

- Or
- Expanded Fill = (Unexpanded Fill - Rock * Rock Factor - Reduced EBS) * Fill Factor
- Or
- Expanded Fill = (Unexpanded Fill - Rock * Rock Factor - Reduced Marsh) * Fill Factor
- Or
- Expanded Fill = (Unexpanded Fill - Rock * Rock Factor) * Fill Factor

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

(14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

BASE AGGREGATES

CATEGORY	STATION		LOCATION		305.0110	305.0120	305.0500	312.0110	624.0100
	FROM	TO	FROM	TO	BASE AGGREGATE	BASE AGGREGATE	SHAPING	SELECT CRUSHED	WATER
					DENSE 3/4-INCH	DENSE 1-1/4 INCH	SHOULDERS	MATERIAL	
					TON	TON	STA	TON	MGAL
0010	90+40.00	92+64.00	BEGINNING OF PROJECT	RAILROAD CROSSING	14	--	4	--	0.2
	92+64.00	96+13.00	RAILROAD CROSSING		22	746	7	460	11.5
	96+13.00	119+49.10	RAILROAD CROSSING	CROSSTOWN RD	140	--	45	--	2.1
	119+49.10	172+44.36	CROSSTOWN RD	CTH B	320	--	104	--	4.8
	172+44.36	195+58.00	CTH B	STRUCTURE B-08-0018	141	--	46	--	2.1
	196+58.00	230+74.34	STRUCTURE B-08-0018	CENTER RD	209	--	68	--	3.1
	230+74.34	256+66.99	CENTER RD	HACKER ROAD (CTH HR)	155	--	50	--	2.3
	256+66.99	282+66.47	HACKER ROAD (CTH HR)	HARVESTORE RD	155	--	50	--	2.3
	282+66.47	325+75.60	HARVESTORE RD	SOUTH ROUNDABOUT LIMITS	262	--	85	--	3.9
	21+85.80	48+11.54	NORTH ROUNDABOUT LIMITS	CHURCH ST	160	--	52	--	2.4
	48+11.54	314+20.43	CHURCH ST	SCHMIDT ROAD (CTH K)	259	--	84	--	3.9
	314+20.43	369+00.00	SCHMIDT ROAD (CTH K)	END OF PROJECT	335	--	108	--	5.0
TOTALS					2,172	746	703	460	43.8

ASPHALTIC MATERIALS

					455.0605	460.4110.S	460.5223	460.5224	465.0105	465.0110
					TACK	REHEATING HMA	HMA PAVEMENT	HMA PAVEMENT	ASPHALTIC	ASPHALTIC
					COAT	LONGITUDINAL JOINTS	3 LT 58-28 S	4 LT 58-28 S	SURFACE	SURFACE PATCHING
CATEGORY	STATION		LOCATION							
	FROM	TO	FROM	TO	GAL	LF	TON	TON	TON	TON
0010	90+40.00	92+64.00	BEGINNING OF PROJECT	RAILROAD CROSSING	45	224	--	86	-	--
	92+64.00	96+45.00	RAILROAD CROSSING		97	381	300	200	225	--
	96+45.00	119+49.10	RAILROAD CROSSING	CROSSTOWN RD	489	2,304	--	937	-	--
	119+49.10	172+44.36	CROSSTOWN RD	CTH B	1,135	5,295	--	2,176	-	--
	172+44.36	180+00.00	CTH B	SOUTH MICROMILL LIMITS	195	756	--	374	-	--
	180+00.00	191+00.00	SOUTH MICROMILL LIMITS	NORTH MICROMILL LIMITS	220	1,100	--	527	-	--
	191+00.00	195+58.00	NORTH MICROMILL LIMITS	STRUCTURE B-08-0018	98	488	--	187	-	--
	196+58.00	230+74.34	STRUCTURE B-08-0018	CENTER RD	696	3,417	--	1,334	-	--
	230+74.34	256+66.99	CENTER RD	HACKER ROAD (CTH HR)	597	2,577	--	1,144	-	--
	256+66.99	282+66.47	HACKER ROAD (CTH HR)	HARVESTORE RD	581	2,600	--	1,114	-	--
	282+66.47	325+75.60	HARVESTORE RD	SOUTH ROUNDABOUT LIMITS	894	4,315	--	1,714	-	--
	21+85.80	48+11.54	NORTH ROUNDABOUT LIMITS	CHURCH ST	565	2,633	--	1,084	-	--
	48+11.54	314+20.43	CHURCH ST	SCHMIDT ROAD (CTH K)	921	4,288	--	1,766	-	--
	314+20.43	369+00.00	SCHMIDT ROAD (CTH K)	END OF PROJECT	1,126	5,483	--	2,158	-	--
	--	--	UNDISTRIBUTED; AS NEEDED; LOCATIONS TO BE DETERMINED IN FIELD			--	--	--	--	-
TOTALS					7,659	35,861	300	14,800	225	200

CENTERLINE RUMBLE STRIPS

465.0475 ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL					
CATEGORY	STATION		LOCATION		LF
	FROM	TO	FROM	TO	
0010	90+40.00	92+64.00	BEGINNING OF PROJECT	RAILROAD CROSSING	224
	92+64.00	96+13.00	RAILROAD CROSSING		318
	96+13.00	119+49.10	RAILROAD CROSSING	CROSSTOWN RD	2,104
	119+49.10	172+44.36	CROSSTOWN RD	CTH B	4,895
	172+44.36	195+58.00	CTH B	STRUCTURE B-08-0018	2,144
	196+58.00	230+74.34	STRUCTURE B-08-0018	CENTER RD	3,216
	230+74.34	256+66.99	CENTER RD	HACKER ROAD (CTH HR)	2,177
	256+66.99	282+66.47	HACKER ROAD (CTH HR)	HARVESTORE RD	2,200
	282+66.47	325+75.60	HARVESTORE RD	S ROUNDABOUT LIMITS	4,115
	21+85.80	48+11.54	N ROUNDABOUT LIMITS	CHURCH ST	2,426
	48+11.54	314+20.43	CHURCH ST	SCHMIDT ROAD (CTH K)	3,888
	314+20.43	369+00.00	SCHMIDT ROAD (CTH K)	END OF PROJECT	5,283
	TOTAL				32,990

SILT FENCE

CATEGORY	ROADWAY	STATION			628.1504	628.1520
					SILT	SILT FENCE
		FROM	TO	OFFSET	FENCE	MAINTENANCE
0010	STH 32	92+64	93+99	LT	LF	LF
		94+64	95+38	LT	136	136
		95+80	96+45	LT	92	92
		92+64	93+33	LT	65	65
		94+03	94+66	RT	90	90
		95+40	96+45	RT	90	90
					105	105
TOTAL					578	578

LANDSCAPING SUMMARY

CATEGORY	STATION		LOCATION	625.0500 SALVAGED TOPSOIL	627.0200 MULCHING	629.0210 FERTILIZER TYPE B	630.0130 SEEDING MIXTURE NO. 30
	FROM	TO		SY	SY	CWT	LB
0010	92+64	93+99	STH 32 LT	63	63	0.04	1.13
	94+64	95+38	STH 32 LT	79	79	0.05	1.42
	95+80	96+45	STH 32 LT	153	153	0.10	2.75
	92+64	93+33	STH 32 RT	99	99	0.06	1.78
	94+03	94+66	STH 32 RT	98	98	0.06	1.76
	96+40	96+45	STH 32 RT	62	62	0.04	1.11
SUBTOTALS				553	553	0.35	9.95
UNDISTRITUBED				137	137	0.65	3.05
				690	690	1	13

EROSION CONTROL MOBILIZATION

CATEGORY	ROADWAY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL
			EACH	EACH
0010	STH 32	PROJECT	2	1
TOTAL			2	1

PIPE UNDERDRAIN

CATEGORY	STATION	LOCATION	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH	645.0111 GEOTEXTILE TYPE DF SCHEDULE A	645.0140 GEOTEXTILE TYPE SAS	SPV.0090.01 PIPE UNDERDRAIN RAILROAD 6-INCH
			EACH	SY	SY	LF
0010	93+75	S SIDE SOUTH RAIL CROSSING	1	134	90	175
	94+05	N SIDE SOUTH RAIL CROSSING	--	134	90	112
	95+28	S SIDE NORTH RAIL CROSSING	--	122	90	100
	95+53	N SIDE NORTH RAIL CROSSING	1	122	90	160
TOTALS			2	512	360	547

3

<u>EROSION MAT</u>				
				628.2002
				EROSION MAT
				CLASS I
				TYPE A
CATEGORY	ROADWAY	STATION	OFFSET	SY
0010	STH 32	93+08	RT	3
		96+10	LT	3
TOTAL				6

MARKERS CULVERT END			
			633.5200
CATEGORY	ROADWAY	STATION	EACH
0010	STH 32	165+00	2
		47+00	1
		296+54	2
TOTAL			5

TRAFFIC CONTROL					
			643.0100 TRAFFIC CONTROL	643.0900 TRAFFIC CONTROL CONTROL	643.1050 TRAFFIC CONTROL CONTROL
					643.2000 TRAFFIC CONTROL DETOUR
CATEGORY	ROADWAY	DURATION DAYS	(4085-61-60) EACH	SIGNS DAYS	SIGNS PCMS** DAYS
0010	ADVANCED WARNING STH 32 NB APPROACH STH 32 SB APPROACH	7	-- -- --	-- -- --	7 7 --
	MILL/OVERLAY OPERATIONS	30	--	90	--
	STH 32 NB APPROACH CROSSTOWN ROAD CTH B / OTT ROAD CENTER ROAD HACKER ROAD HARVESTORE ROAD STH 32 NB RBT APPROACH STH 32 SB RBT APPROACH CHURCH STREET SCHMIDT ROAD / CTH K STH 32 SB APPROACH END ROADWORK	--	-- -- -- -- -- -- -- -- -- -- -- --	60 60 60 30 30 60 30 30 60 90 60	-- -- -- -- -- -- -- -- -- -- -- --
PROJECT 4085-61-60 UNDISTRIBUTED		--	1	--	--
TOTALS			1	630	14
**ADDITIONAL QUANTITIES SHOWN ELSEWHERE					

3

PAVEMENT MARKINGS											
					646.0103 PAVEMENT MARKING PAINT 4-INCH	646.0406 PAVEMENT MARKING SAME DAY EPOXY 4-INCH YELLOW	646.2304.S GROOVED WET REFLECTIVE EPOXY 4-INCH	646.2308.S GROOVED WET REFLECTIVE EPOXY 8-INCH	647.0110 RAILROAD CROSSINGS EPOXY	647.0556 STOP LINE EPOXY 12-INCH	649.0403 TEMPORARY PAVEMENT MARKING EPOXY 4-INCH YELLOW
CATEGORY	FROM	STATION TO	FROM	LOCATION TO	LF	LF	LF	LF	EACH	LF	LF
0010	90+40.00	92+64.00	BEGINNING OF PROJECT	RAILROAD CROSSING	448	448	448	--	--	--	448
	92+64.00	96+13.00		RAILROAD CROSSING	708	708	711	--	4	--	708
	96+13.00	119+49.10	RAILROAD CROSSING	CROSSTOWN RD	3,004	3,004	4,531	--	--	--	3,004
	119+49.10	172+44.36	CROSSTOWN RD	CTH B	2,640	2,640	10,376	96	--	--	2,640
	172+44.36	230+74.34	CTH B	CENTER RD	9,060	9,060	11,511	115	--	--	9,060
	230+74.34	256+66.99	CENTER RD	HACKER ROAD (CTH HR)	8,560	8,560	5,551	195	--	--	8,560
	256+66.99	282+66.47	HACKER ROAD (CTH HR)	HARVESTORE RD	4,100	4,100	5,059	--	--	--	4,100
	282+66.47	325+75.60	HARVESTORE RD	SOUTH ROUNDABOUT LIMITS	2,180	2,180	8,500	--	--	--	2,180
	325+75.60	9+00	ROUNDABOUT SOUTH APPROACH		--	1,920	2,040	--	--	--	--
	11+00	21+85.80	ROUNDABOUT NORTH APPROACH		--	2,560	2,430	--	--	--	--
	21+85.80	48+11.54	NORTH ROUNDABOUT LIMITS	CHURCH ST	6,040	6,040	5,337	--	--	--	6,040
	48+11.54	314+20.43	CHURCH ST	SCHMIDT ROAD (CTH K)	11,880	11,880	8,543	--	--	--	11,880
	314+20.43	369+00.00	SCHMIDT ROAD (CTH K)	END OF PROJECT	6,020	6,020	10,847	--	--	--	6,020
	--	--	CHURCH ST	--	--	--	--	--	--	15	--
	TOTALS					54,640	59,120	75,884	406	4	15
SUMMARY OF PAVEMENT MARKING STAGING											
ITEM NO.	TYPE	COMMENT									
646.0103	CENTERLINE	INSTALLED AFTER MILLING EXISTING SURFACE									
649.0403	CENTERLINE	INSTALLED AFTER PAVING/MICROMILLING AND PRIOR TO RUMBLE STRIPS									
646.2304.S	EDGE LINE	INSTALLED AFTER PAVING AND MICROMILLING									
646.2308.S	CHANNELIZING	INSTALLED AFTER PAVING									
646.0406	CENTERLINE	INSTALLED AFTER CENTERLINE RUMBLE STRIPS									

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	STH 32/57, S. OF CROSSTOWN RD	I55-56	30" X 36"	7.50		1		1	1	HILBERT LIONS CLUB
2	"	I2-3	60" X 24"	10.00		2		1	2	HILBERT POP. 1132, SEE SIGN DETAIL SHEET
3	"	D2-3	84" X 36"	21.00		2		1	2	SEE SIGN DETAIL SHEET
4	"	W3-5	36" X 36"		9.00		1	1	1	35 MPH
5	"	W14-3	48" X 36"		6.00	1		1	1	
6	"	J4-2	48" X 36"	12.00		1		1	1	NORTH STH 32, NORTH STH 57
7	"	W10-1	36" X 36"		7.07	1		1	1	
8	"	R2-1	24" X 30"	5.00		1		1	1	55 MPH
9	CROSSTOWN RD	R1-1	30" X 30"	5.18		1		1	1	
10	"	R1-1	30" X 30"	5.18		1		1	1	
11	STH 32/57, N. OF CROSSTOWN RD	W11-3						1	1	
12	"	W57-51						1		
13	STH 32/57, S. OF CTH B/OTT RD	J1-1	24" X 39"	6.50		1		1	1	JCT CTH B
14	"	I55-56	30" X 36"	7.50		1				HILBERT LIONS CLUB
15	"	I55-56						1	1	
16	"	R2-1	24" X 30"	5.00		1				55 MPH
17	"	D1-2	72" X 24"	12.00		2		1	2	SEE SIGN DETAIL SHEET
18	"	J4-2	48" X 36"	12.00		1		1	1	SOUTH STH 32, SOUTH STH 57
19	"	J13-1	24" X 45"	7.50			1	1	1	CTH B, SEE PLAN SHEET
20	CTH B	R1-1	36" X 36"	7.46		1		1	1	
21	"	J13-2	48" X 45"	15.00			1	1	1	STH 32, STH 57, SEE PLAN SHEET
22	OTT RD	R1-1	30" X 30"	5.18		1		1	1	
23	STH 32/57, N. OF CTH B/OTT RD	W14-3	48" X 36"		6.00	1		1	1	
24	"	J13-1	24" X 45"	7.50				1		CTH B, SEE PLAN SHEET
25	"	J4-2	48" X 36"	12.00		1		1	1	NORTH STH 32, NORTH STH 57
26	"	R2-1	24" X 30"	5.00		1		1	1	55 MPH
27	"	D1-2	72" X 24"	12.00		2		1	2	SEE SIGN DETAIL SHEET
28	"	J1-1	24" X 39"	6.50		1		1	1	JCT CTH B
29	"	W1-6	48" X 24"		8.00	1		1	1	
30	"	W1-6	48" X 24"		8.00	1		1	1	
31	"	W1-2L	30" X 30"		6.25	1				
32	"	W14-3	48" X 36"		6.00	1		1	1	
33	STH 32/57, N. OF CENTER RD	W14-3	48" X 36"		6.00	1		1	1	
34	CENTER RD	R1-1	30" X 30"	5.18		1		1	1	
35	STH 32/57, N. OF CENTER RD	W11-3						1	1	
36	"	W57-51						1		
37	"	W1-6	48" X 24"		8.00	1		1	1	
38	"	W1-6	48" X 24"		8.00	1		1	1	
39	"	J1-1	24" X 39"	6.50		1		1	1	JCT CTH HR
40	STH 32/57, S. OF CTH HR	D1-1	60" X 15"	6.25		2		1	2	BRILLION, SEE SIGN DETAIL SHEET
41	"	R2-1	24" X 30"	5.00		1				55 MPH
42	"	J4-2	48" X 36"	12.00		1		1	1	SOUTH STH 32, SOUTH STH 57

PAGE SUBTOTALS

221.93

78.32

38

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38

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PLAN SHEET PRODUCED
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ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
43	STH 32/57, S. OF CTH HR	J13-1	24" X 45"	7.50			1	1	1	CTH HR, SEE PLAN SHEET
44	"	W1-7	48" X 24"		8.00	1		1	1	
45	VACANT									
46	STH 32/57, N. OF CTH HR	J13-1	24" X 45"	7.50		1		1	1	CTH HR, SEE PLAN SHEET
47	"	J13-2	48" X 45"	15.00			1	1	1	STH 32/STH 57, SEE PLAN SHEET
48	"	R1-1	36" X 36"	7.46		1		1	1	
49	"	J4-2	48" X 36"	12.00		1		1	1	NORTH STH 32, NORTH STH 57
50	"	R2-1	24" X 30"	5.00		1		1	1	55 MPH
51	"	J1-1	24" X 39"	6.50		1		1	1	JCT CTH HR
52	"	W14-3	48" X 36"		6.00	1		1	1	
53	HARVESTORE RD	R1-1	30" X 30"	5.18		1		1	1	
54	"	R1-1	30" X 30"	5.18				1	1	
55	STH 32/57, N. OF HARVESTORE	W3-5	36" X 36"		9.00	1		1	1	45 MPH
56	"	I2-3	66" X 24"	11.00		2		1	2	FOREST JCT, SEE SIGN DETAIL SHEET
56A	"	R2-1	24" X 30"	5.00		1		1	1	45 MPH
56B	"	W14-3	48" X 36"		6.00	1		1	1	
56C	"	R2-1	24" X 30"	5.00						55 MPH, MOUNT TO BACK OF SIGN 56B
57A	"	W1-6	48" X 24"		8.00	1		1	1	
57B	"	R2-1	24" X 30"	5.00		1		1	1	45 MPH
57C	"	R2-1	24" X 30"	5.00		1		1	1	55 MPH
57	STH 32/57, S. OF CHURCH ST	W3-5	36" X 36"		9.00	1		1	1	45 MPH
58	"	R59-51	36" X 36"	9.00		1		1	1	
59	"	W14-3	48" X 36"		6.00	1		1	1	
60	"	W1-2L	30" X 30"		6.25	1		1	1	
61	"	W1-7	48" X 24"		8.00	1		1	1	
62	CHURCH ST	R4-7						1	1	
63	"	R1-1	30" X 30"	5.18		1		1	1	
64	"	R1-1	30" X 30"	5.18		1		1	1	
65	STH 32/57, N. OF CHURCH ST	I2-3	66" X 24"	11.00		2		1	2	FOREST JCT, SEE SIGN DETAIL SHEET
66	"	W14-3	48" X 36"		6.00	1		1	1	
67	"	W14-3	48" X 36"		6.00	1		1	1	
68	"	J1-1	24" X 39"	6.50		1		1	1	JCT CTH K
69	STH 32/57, S. OF SCHMIDT RD/CTH K	D1-2	84" X 24"	14.00		2		1	2	SEE SIGN DETAIL SHEET
70	"	D7-95R	54" X 36"	13.50		1		1	1	ROX RIVER STATE TRAIL, SEE SIGN DETAIL SHEET
70A	"	R2-1	24" X 30"	5.00		1				55 MPH
70B	"	J4-2	48" X 36"	12.00			1	1	1	SEE PLAN SHEET
71	"	J13-1	24" X 45"	7.50		1		1	1	CTH K, SEE PLAN SHEET
72	"	W14-3	48" X 36"	12.00				1		MOUNT ON BACK OF SIGN #71
73	CTH K	R1-1	30" X 30"	5.18		1		1	1	
74	SCHMIDT RD	R1-1	30" X 30"	5.18		1		1	1	
75	STH 32/57, N. OF SCHMIDT RD/CTH K	J13-2						1	1	
76	CTH K	J13-2	48" X 45"	15.00			1			STH 32/STH 57, SEE PLAN SHEET
77	"	R1-1	36" X 36"	7.46		1		1	1	
78	STH 32/57, N. OF SCHMIDT RD/CTH K	J13-1	24" X 45"	7.50			1	1	1	CTH K, SEE PLAN SHEET
78A		J4-2	48" X 36"	12.00			1	1	1	SEE PLAN SHEET
78B		R2-1	24" X 30"	5.00		1				55 MPH
79	"	D7-95L	54" X 36"	13.50		1		1	1	ROX RIVER STATE TRAIL, SEE SIGN DETAIL SHEET
80	"	D1-2	84" X 24"	14.00		2		1	2	SEE SIGN DETAIL SHEET
81	"	J1-1	24" X 39"	6.50		1		1	1	JCT CTH K
82	"	W14-3	48" X 36"		6.00	1		1	1	
83	"	W14-3	48" X 36"		6.00	1		1	1	
PAGE SUBTOTALS				294.50	90.25	43	6	46	49	
PROJECT TOTALS				516.43	168.57	81	9	84	89	

PLAN SHEET PRODUCED
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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0300 DRUMS DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.1050 TRAFFIC CONTROLL SIGNS PCMS** DAYS	NO. OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	500' S OF J1-1 (JCT PP) ON HWY 32/57 (NB)	W 20-2-A	48"x48"	1	12	12									
2	LT OF J1-1 (JCT PP) ON HWY 32/57 (NB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-1	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	MO 5-1R	21"x21"	2	12	24									
3	LT OF J13-1 (PP-RT) ON HWY 32/57 (NB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-1	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									RIGHT
4A	NE QUAD OF STH 32/57 & CTY PP INTERSECTION	R 11-3	60"x30"	1	12	12	12	24							
4B	BELOW SIGN # 4A	M 4-9R	36"x24"	1	12	12									2 MILES
5	200' E OF STH 32/57 INTERSECTION ON CTH PP (EB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-1	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
6A	J 3-2 (S-32-LT; N-32-RT) IN INTERSECTION ISLAND ON CTY PP											1		1	NORTH-32-RIGHT
6B	J 2-32 (S-32-AH LT; T0-114-AH RT; N-32-AH RT)											1		1	NORTH-32-AHEAD RIGHT
7	LT OF J1-1 (END-PP) ON CTY PP (WB)	MO 4-8A	24"x18"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
8	200' E OF IRISH RD INTERSECTION ON CTH PP (EB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-1	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
9	200' E OF CTY Y INTERSECTION ON CTH PP (EB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-1	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
10	200' W OF CTY Y INTERSECTION ON CTH PP (WB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
11	200' N OF CTY JJ INTERSECTION ON CTH PP (EB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-1	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
12	200' S OF CTY JJ INTERSECTION ON CTH PP (WB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD

PAGE SUBTOTALS

62

744

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PLAN SHEET PRODUCED
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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0300 DRUMS DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.1050 TRAFFIC CONTROLL SIGNS PCMS** DAYS	NO. OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
13	200' E OF VOSS RD INTERSECTION ON CTH PP (EB)	M0 4-8	24"x12"	2	12	24									
	"	M 3-1	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	M0 6-1	21"x21"	2	12	24									AHEAD
14	200' W OF VOSS RD INTERSECTION ON CTH PP (WB)	M0 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	M0 6-1	21"x21"	2	12	24									AHEAD
15	200' E OF SPRING CREEK STRUCTURE INTERSECTION ON CTH PP (EB)	M0 4-8	24"x12"	2	12	24									
	"	M 3-1	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	M0 6-1	21"x21"	2	12	24									AHEAD
16	200' W OF SPRING CREEK STRUCTURE INTERSECTION ON CTH PP (WB)	M0 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	M 50-2	48"x24"	1	12	12									32/57
	"	M0 6-1	21"x21"	2	12	24									AHEAD
17	400' S OF S MAIN ST INTERSECTION ON CTH PP (FAIRWAY DR-NB)	M0 4-8	24"x12"	1	12	12									
	"	M 3-1	24"x12"	1	12	12									
	"	JV 50-2	24"x48"	1	12	12									32/57
	"	M0 6-2	21"x21"	1	12	12									LEFT
18	50' S OF TESCH ST INTERSECTION ON CTH P.P (S. MAIN ST-SB)	M0 4-8	24"x12"	1	12	12									
	"	M 3-3	24"x12"	1	12	12									
	"	JV 50-2	24"x48"	1	12	12									32/57
	"	M0 6-2	21"x21"	1	12	12									RIGHT
19	100' N OF PINE ST INTERSECTION ON CTH PP (S. MAIN ST-NB)	M0 4-8	24"x12"	1	12	12									
	"	M 3-1	24"x12"	1	12	12									
	"	JV 50-2	24"x48"	1	12	12									32/57
	"	M0 5-1L	21"x21"	1	12	12									
20A	SE QUAD OF CTY PP & HWY 10 INTERSECTION (NEAR RT)	M0 4-8	24"x12"	1	12	12									
	"	M 3-1	24"x12"	1	12	12									
	"	JV 50-2	24"x48"	1	12	12									32/57
	"	M0 6-1	21"x21"	1	12	12									LEFT
20B	NW QUAD OF CTY PP & HWY 10 INTERSECTION (FAR LT)	M0 4-8	24"x12"	1	12	12									
	"	M 3-1	24"x12"	1	12	12									
	"	JV 50-2	24"x48"	1	12	12									32/57
	"	M0 6-1	21"x21"	1	12	12									LEFT
21	100' S OF HWY 10 INTERSECTION ON CTH PP (S. MAIN ST-SB)	M0 4-8	24"x12"	1	12	12									
	"	M 3-3	24"x12"	1	12	12									
	"	JV 50-2	24"x48"	1	12	12									32/57
	"	M0 6-1	21"x21"	1	12	12									AHEAD

PAGE SUBTOTALS

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PLAN SHEET PRODUCED
BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0300 DRUMS DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.1050 TRAFFIC CONTROL SIGNS PCMS** DAYS	NO. OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
22	100' W OF CTY PP INTERSECTION ON HWY 10 (RYAN ST-WB)	MO 4-8	24"x12"	1	12	12									
	"	M 3-1	24"x12"	1	12	12									
	"	JV 50-2	24"x48"	1	12	12									32/57
	"	MO 6-1	21"x21"	1	12	12									AHEAD
23	100' W OF CTY PP INTERSECTION ON HWY 10 (RYAN ST-EB)	MO 4-8	24"x12"	1	12	12									
	"	M 3-3	24"x12"	1	12	12									
	"	JV 50-2	24"x48"	1	12	12									32/57
	"	MO 6-1	21"x21"	1	12	12									RIGHT
24	500' W OF SIGN # 23 ON HWY 10 (RYAN ST-EB)	MO 4-8	24"x12"	1	12	12									
	"	M 3-3	24"x12"	1	12	12									
	"	JV 50-2	24"x48"	1	12	12									32/57
	"	MO 5-1R	21"x21"	1	12	12									
25	100' W OF ACHIEVEMENT DR INTERSECTION ON HWY 10 (RYAN ST-WB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-1	24"x12"	2	12	24									
	"	MO 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
26	100' E OF ACHIEVEMENT DR INTERSECTION ON HWY 10 (RYAN ST-EB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	MO 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
27	100' W OF CHY HR INTERSECTION ON HWY 10 (RYAN ST-WB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-1	24"x12"	2	12	24									
	"	MO 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
28	100' E OF CHY HR INTERSECTION ON HWY 10 (RYAN ST-EB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	MO 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
29	MODIFY J1-2 (JCT 32; JCT 57) ON HWY 10 (WB)	MO 4-8A	24"x12"	2	12	24									
	"	MO 50-2	EXISTING												32/57
30	D1-62 ROUND-A-BOUT DIAGRAMATIC (S-32/S-57 LT; W-10-AH; N-32/N-57-RT)											1	1		SOUTH 32 & SOUTH 57
31	D1-3 (AH-APPLETON; LT-MILWAUKEE; GREEN BAY-RT)											1		1	LEFT-MILWAUKEE
32	LT OF J4-1 (EAST 10) ON HWY 10 (EB)	MO 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	MO 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
33	ABOVE D1-1 (EAST 10 TILT RT) IN THE EAST SPLITTER ISLAND	MO 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	MO 50-2	48"x24"	1	12	12									32/57
	"	MO 6-2	21"x21"	2	12	24									RIGHT

PAGE SUBTOTALS

56

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PLAN SHEET PRODUCED
BY WisDOT - NE REGION

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0300 DRUMS DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.1050 TRAFFIC CONTROLL SIGNS PCMS** DAYS	NO. OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
34	D1-2 (S-32/S-57-TILT RT) ON SOUTH SPLITTER ISLAND											1		1	SOUTH 32 / SOUTH 57 TILT RIGHT
35	J4-2 (S-32/S-57)											1		1	SOUTH 32 / SOUTH 57
36	SW QUAD OF STH 32/57 & HWY 10 INTERSECTION	R 11-3	60"x30"	1	12	12									4.5 MILES
37	BELOW SIGN # 36	M 4-9L	30"x24"	1	12	12	12	24							
38	D1-3 (AH-MANITOWOC; LT-GREEN BAY; MILWAUKEE-RT)											1		1	MILWAUKEE-RIGHT
39	D1-62 ROUND-A-BOUT DIAGRAMATIC (N-32/S-57 LT; E-10-AH; S-32/N-57-LT)											1	1		SOUTH 32 & SOUTH 57
40	ABOVE D1-62 ROND-A-BOUT DIAGRAMTIC (N-32/N-57-LT; E-10-AH; RT-S-32/S-57)	MO 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	MO 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									AHEAD
41	200' E OF J1-2 (JCT 32, JCT 57) ON HWY 10 (WB)	M 3-3	24"x12"	2	12	24									
	"	MO 50-2	48"x24"	1	12	12									32/57
	"	WO 20-2A	48"x48"	1	12	12									
42	NW QUAD OF HWY 32/57 & HWY 10 INTERSECTION	MO 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	MO 50-2	48"x24"	1	12	12									32/57
	"	MO 6-1	21"x21"	2	12	24									LEFT
43	D1-3 (AH-MILWAUKEE; LT-MANITOWOC; APPLETON-RT)											1		1	AHEAD-MILWAUKEE
44	LT OF D1-62 ROND-A-BOUT DIAGRAMTIC (E-10-LT; S-32/S-57-AH; RT-W-10)	MO 4-8	24"x12"	2	12	24									
	"	M 3-3	24"x12"	2	12	24									
	"	MO 50-2	48"x24"	1	12	12									32/57
	"	MO 5-1L	21"x21"	2	12	24									
45	D1-62 ROND-A-BOUT DIAGRAMTIC (E-10-LT; S-32/S-57-AH; RT-W-10)											1		1	SOUTH 32/SOUTH 57
46	500' N OF J1-1 (JCT 10) ON HWY 32/57 (SB)	WO 20-2A	48"x48"	1	12	12									
47	PLACE JUST N. OF CTH PP-STH 32/57 INTERSECTION-FIELD DETERMINED	PCMS		1							7				
48	PLACE JUST S. OF US 10-STH 32/57 INTERSECTION-FIELD DETERMINED	PCMS		1							7				

PAGE SUBTOTALS

30

336

12

24

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PROJECT TOTALS

200

2,376

24

48

0

0

14

2

8

**ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

PROJECT NUMBER: 4085-61-60

HWY: STH 32/STH 57

COUNTY: CALUMET

MISCELLANEOUS QUANTITIES

SHEET

40

E

3

3

SAWING ASPHALT

LOCATION		690.0150	
CATEGORY	FROM	OFFSET	LF
0010	STH 32 / BEGINNING OF PROJECT	LT/RT	30
	CROSSTOWN ROAD	LT	30
	CROSSTOWN ROAD	RT	30
	CTH B	LT	30
	CTH B	RT	30
	CENTER ROAD	RT	33
	HARVESTORE ROAD	LT	25
	HARVESTORE ROAD	RT	29
	STH 32 / SOUTH ROUNDABOUT LIMITS	LT/RT	30
	STH 32 / NORTH ROUNDABOUT LIMITS	LT/RT	30
	CHURCH STREET	RT	62
	SCHMIDT ROAD	LT	32
	SCHMIDT ROAD	RT	36
	STH 32 / END OF PROJECT	LT/RT	30
TOTAL			457

LOCATING NO PASSING ZONES

STATION		LOCATION		648.0100	
CATEGORY	FROM	TO	FROM	TO	MI
0010	90+40.00	119+49.10	BEGINNING OF PROJECT	CROSSTOWN RD	0.50
	119+49.10	172+44.36	CROSSTOWN RD	CTH B	0.93
	172+44.36	195+58.00	CTH B	STRUCTURE B-08-0018	0.41
	196+58.00	230+74.34	STRUCTURE B-08-0018	CENTER RD	0.61
	230+74.34	256+66.99	CENTER RD	HACKER ROAD (CTH HR)	0.41
	256+66.99	282+66.47	HACKER ROAD (CTH HR)	HARVESTORE RD	0.42
	282+66.47	325+75.60	HARVESTORE RD	SOUTH ROUNDABOUT LIMITS	0.78
	21+85.80	48+11.54	NORTH ROUNDABOUT LIMITS	CHURCH ST	0.46
	48+11.54	314+20.43	CHURCH ST	SCHMIDT ROAD (CTH K)	0.74
	314+20.43	369+00.00	SCHMIDT ROAD (CTH K)	END OF PROJECT	1.00
TOTAL					6.26

3

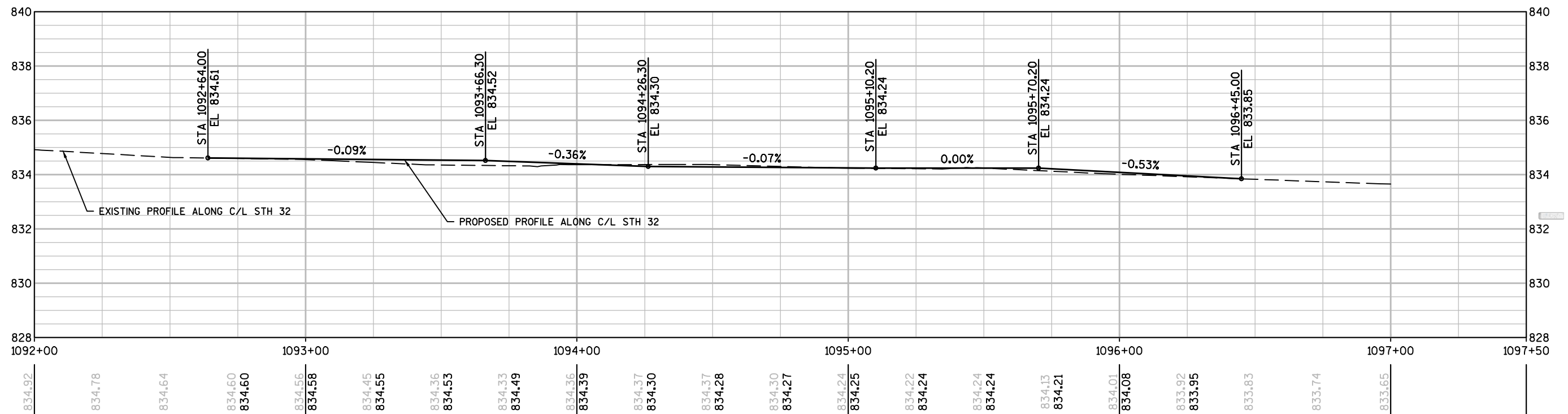
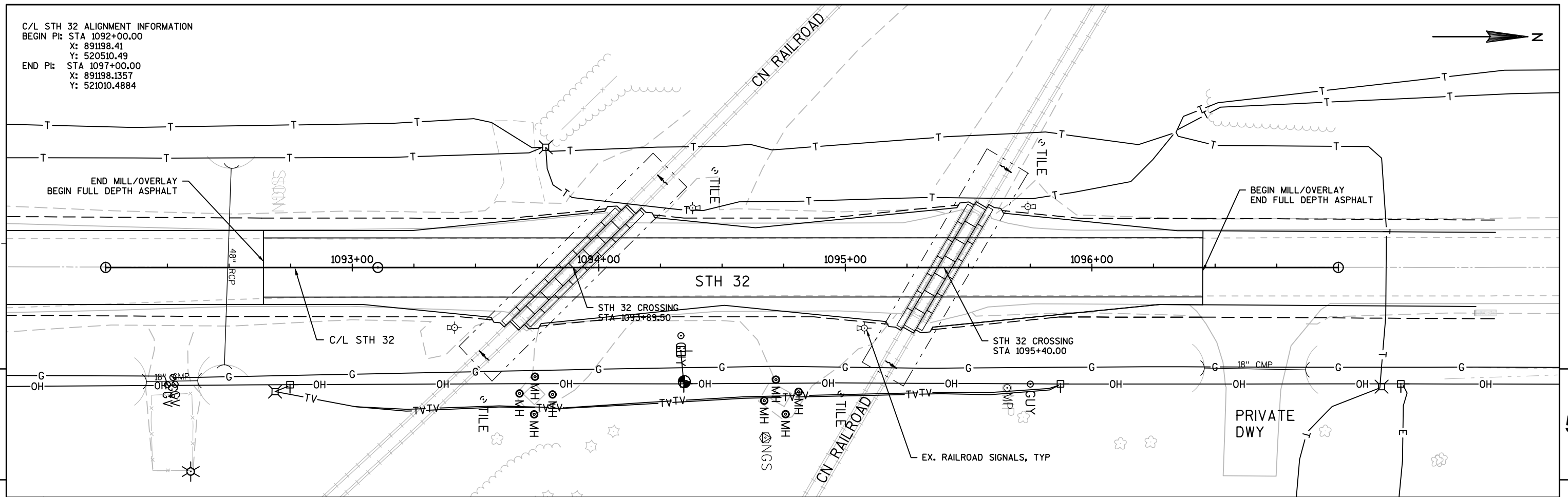
MICROMILLING

LOCATION		STATION		SPV.0180.01	
CATEGORY	LOCATION	STATION	SY	COMMENTS	
0010	STH 32	180+00.00 TO 191+00.00	3,667	1/2" DEPTH	
TOTAL			3,667		

CONSTRUCTION STAKING

STATION		LOCATION		650.8000	
CATEGORY	FROM	TO	FROM	TO	LF
0010	90+40.00	119+49.10	BEGINNING OF PROJECT	CROSSTOWN RD	2,646
	119+49.10	172+44.36	CROSSTOWN RD	CTH B	4,895
	172+44.36	195+58.00	CTH B	STRUCTURE B-08-0018	2,144
	196+58.00	230+74.34	STRUCTURE B-08-0018	CENTER RD	3,216
	230+74.34	256+66.99	CENTER RD	HACKER ROAD (CTH HR)	2,177
	256+66.99	282+66.47	HACKER ROAD (CTH HR)	HARVESTORE RD	2,200
	282+66.47	325+75.60	HARVESTORE RD	SOUTH ROUNDABOUT LIMITS	4,115
	21+85.80	48+11.54	NORTH ROUNDABOUT LIMITS	CHURCH ST	2,426
	48+11.54	314+20.43	CHURCH ST	SCHMIDT ROAD (CTH K)	3,888
	314+20.43	369+00.00	SCHMIDT ROAD (CTH K)	END OF PROJECT	5,283
TOTAL					32,990

C/L STH 32 ALIGNMENT INFORMATION
BEGIN PI: STA 1092+00.00
X: 891198.41
Y: 520510.49
END PI: STA 1097+00.00
X: 891198.1357
Y: 521010.4884



PROJECT NO: 4085-61-60

HWY: STH 32

COUNTY: CALUMET

PLAN AND PROFILE: STH 32

SHEET

42

E

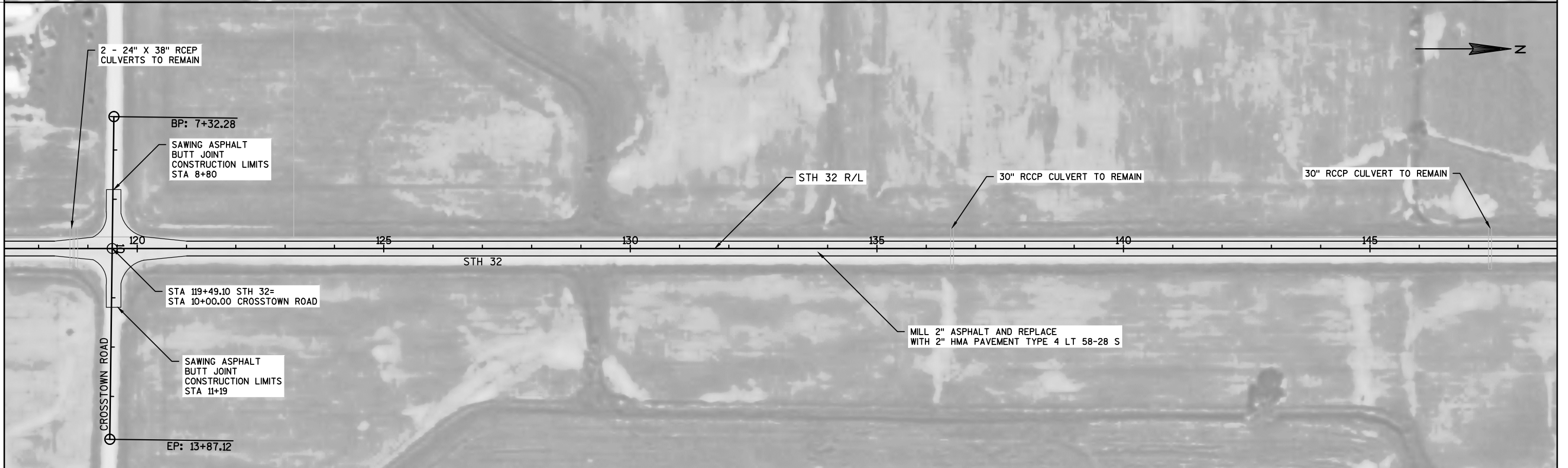
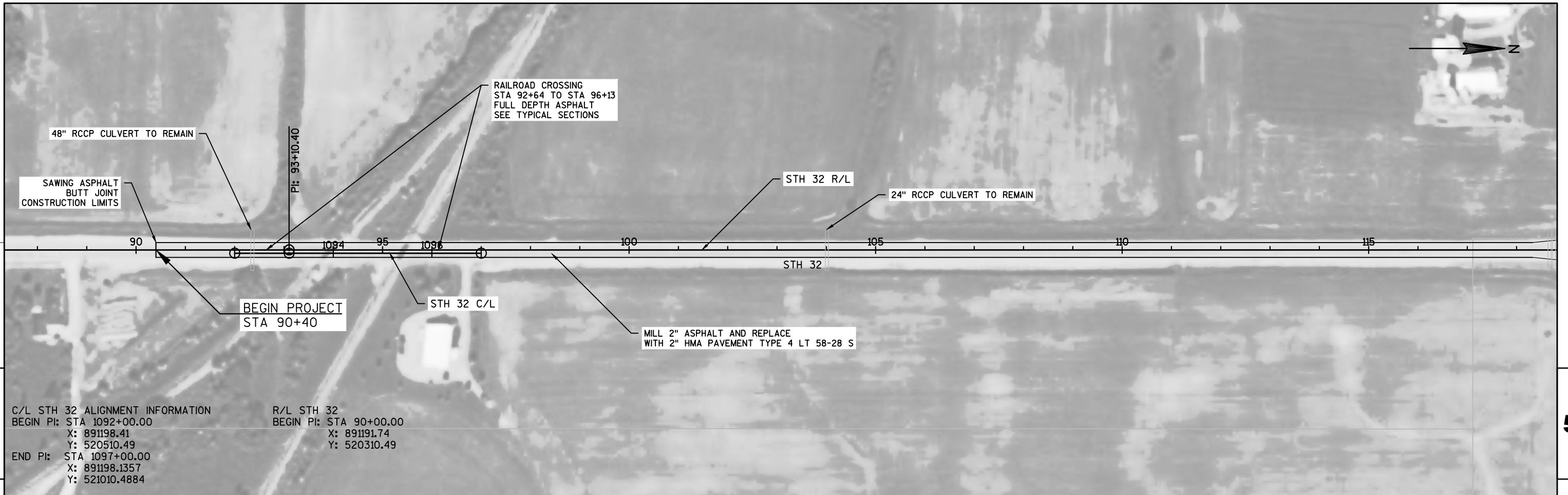
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LAYOUT NAME - 050101_PP

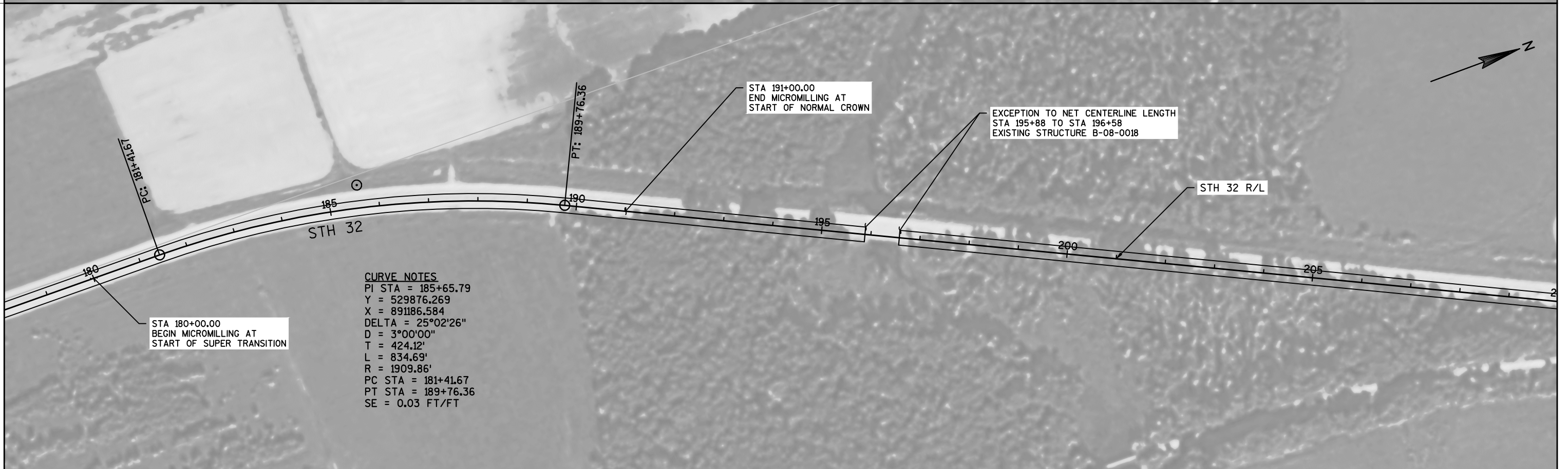
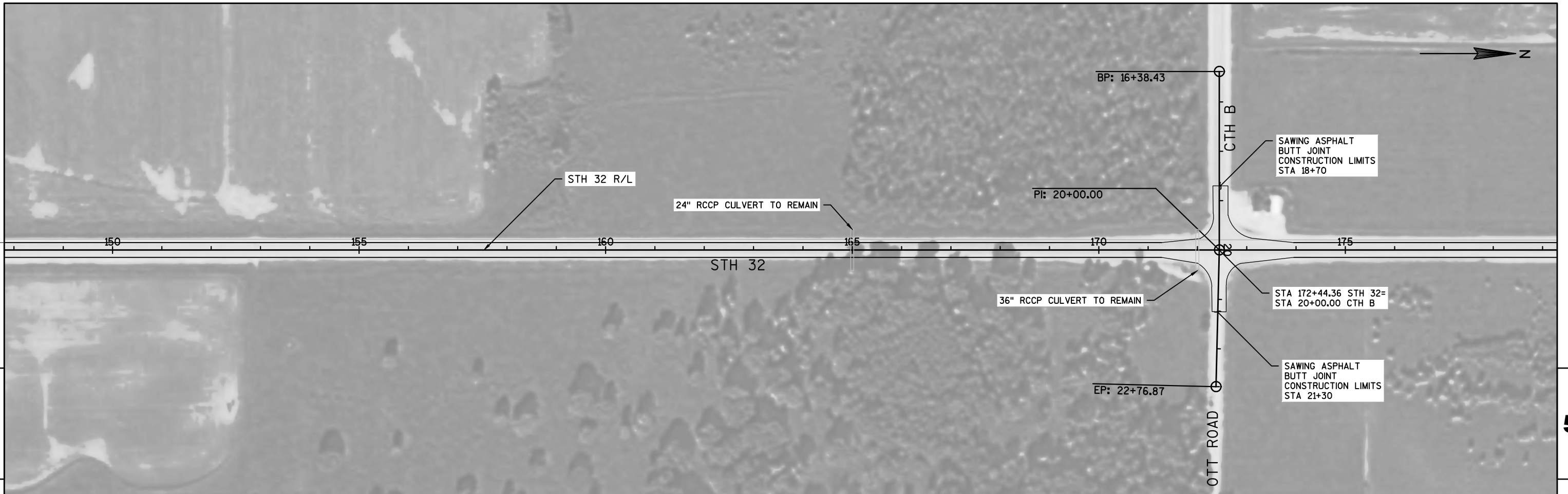
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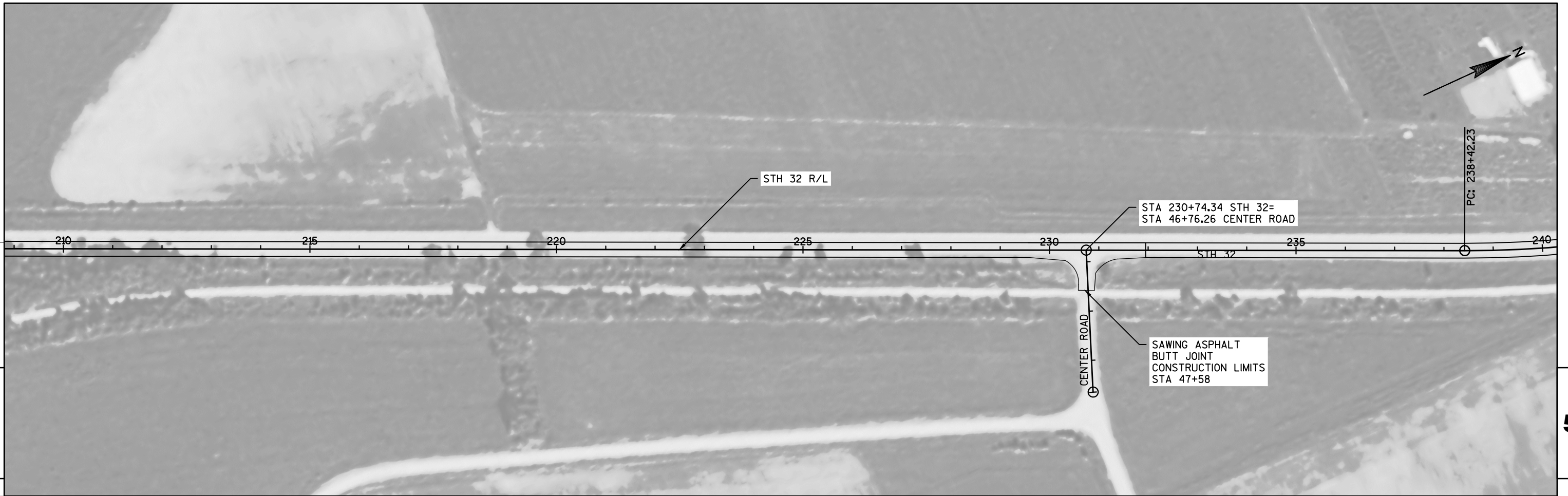
PLOT BY : DUMS, ALEXANDER T

PLOT NAME : ----- PLOT SCALE : 1 IN:40 FT

WISDOT/CADDs SHEET 44



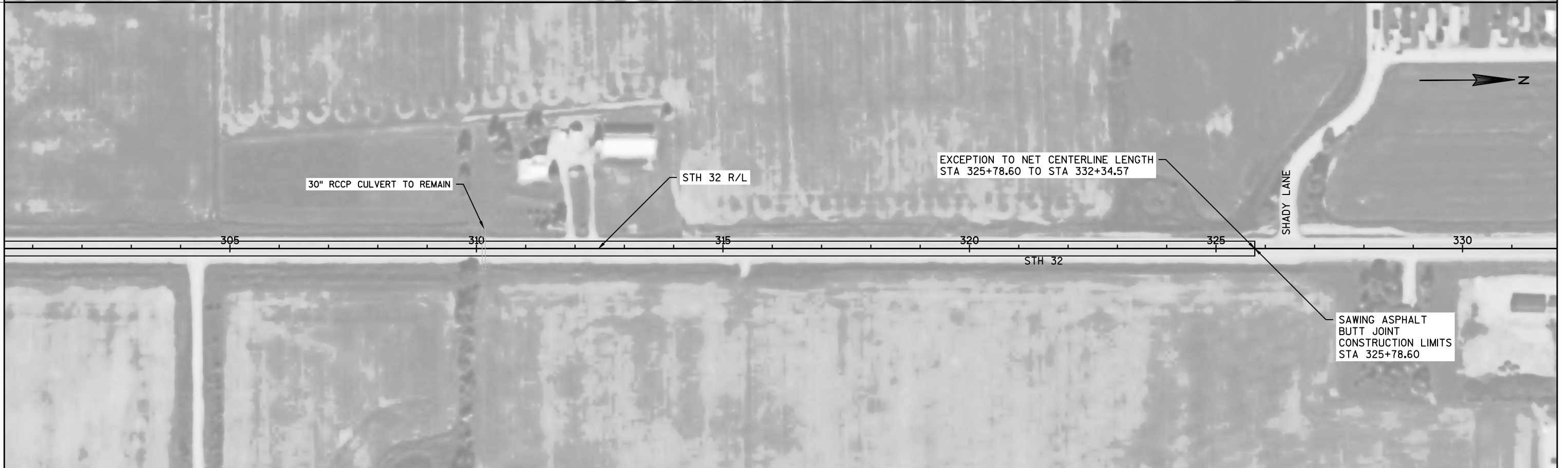
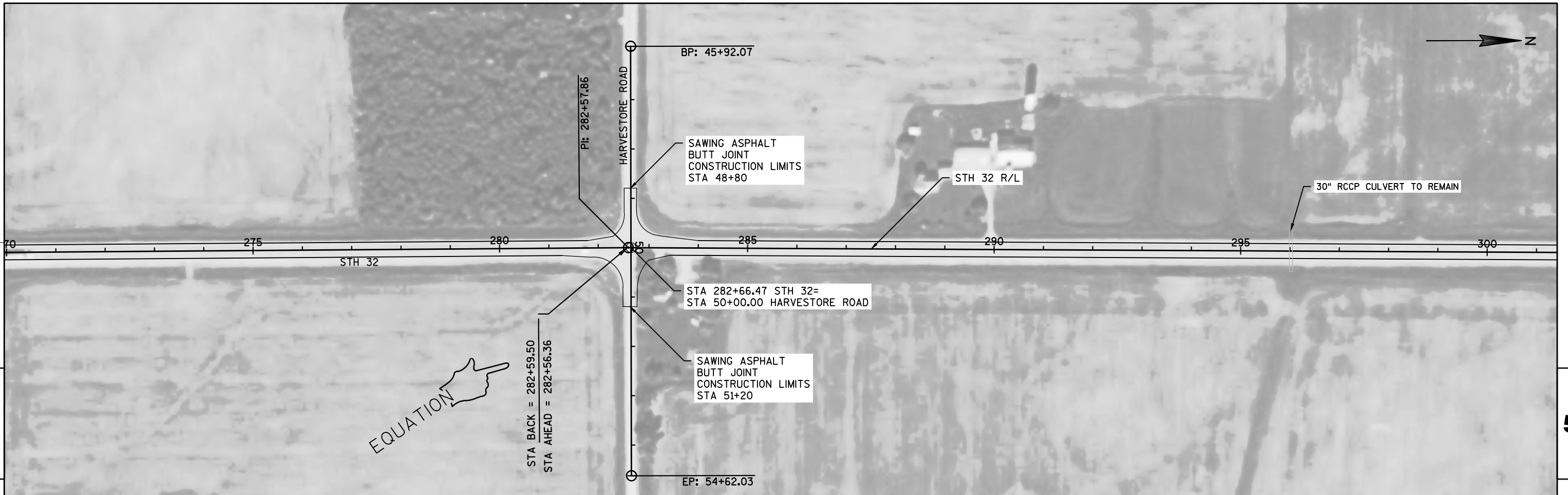


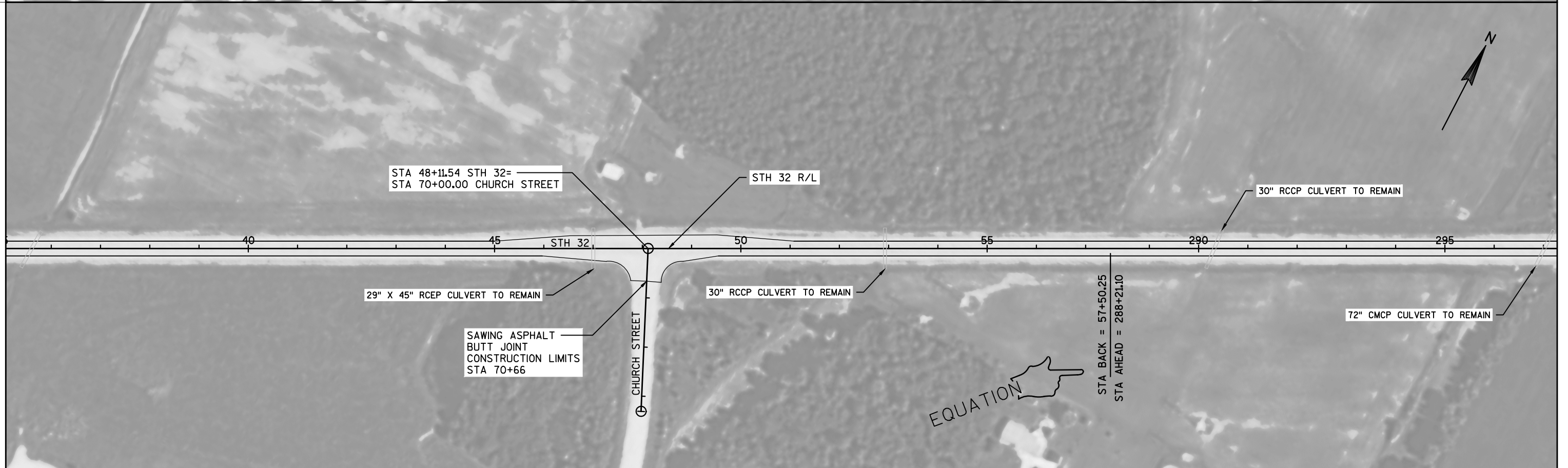
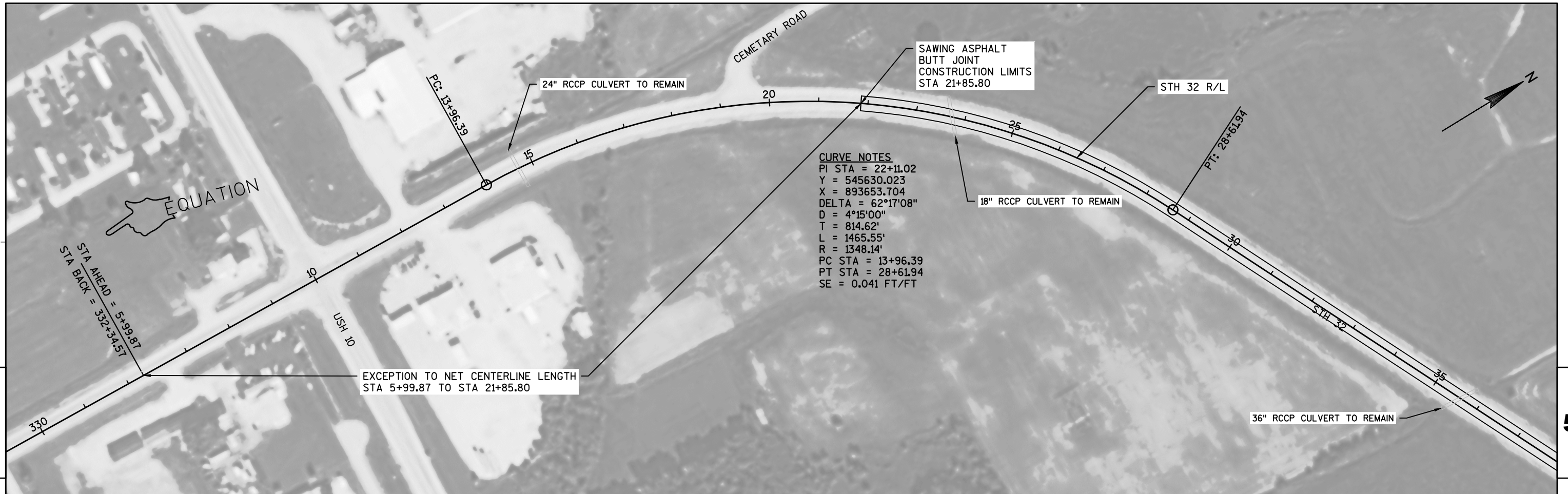


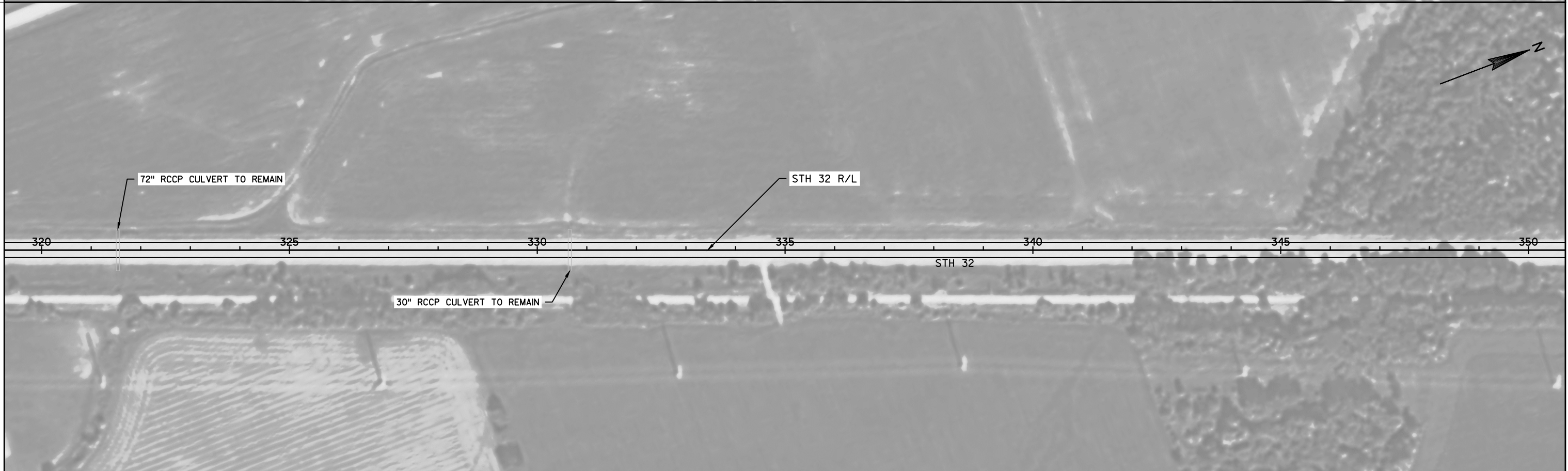
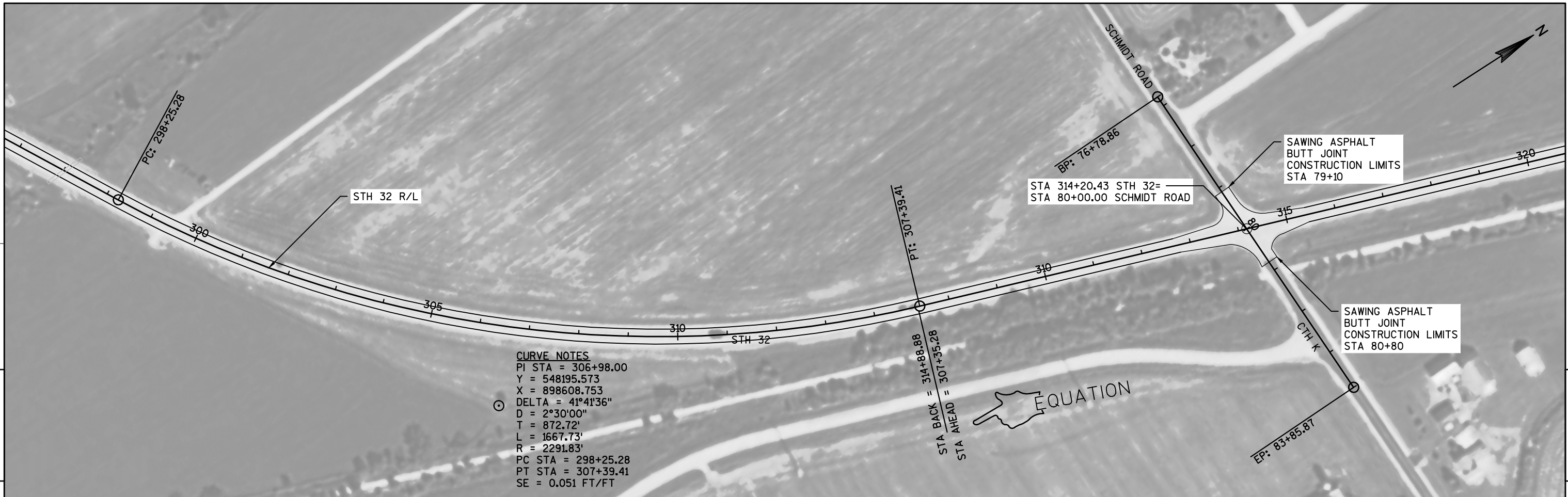
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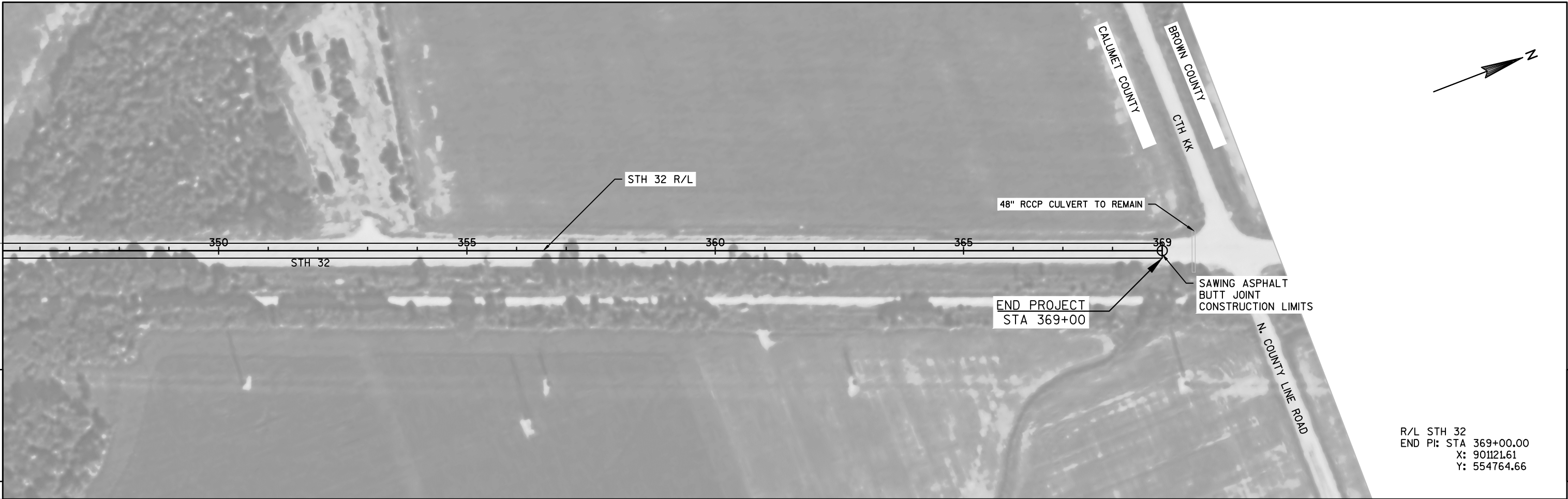
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Standard Detail Drawing List

08E09-06	SILT FENCE
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13B01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
14B24-08A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-08B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-08C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-17A	LONGITUDINAL MARKING (MAINLINE)
15C08-17B	PAVEMENT MARKING (TURN LANES)
15C09-10A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C12-05	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING



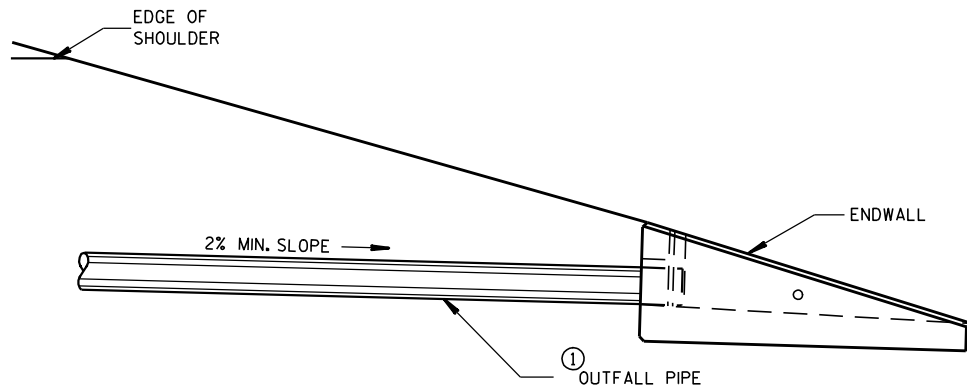
- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1½" X 1½" 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.



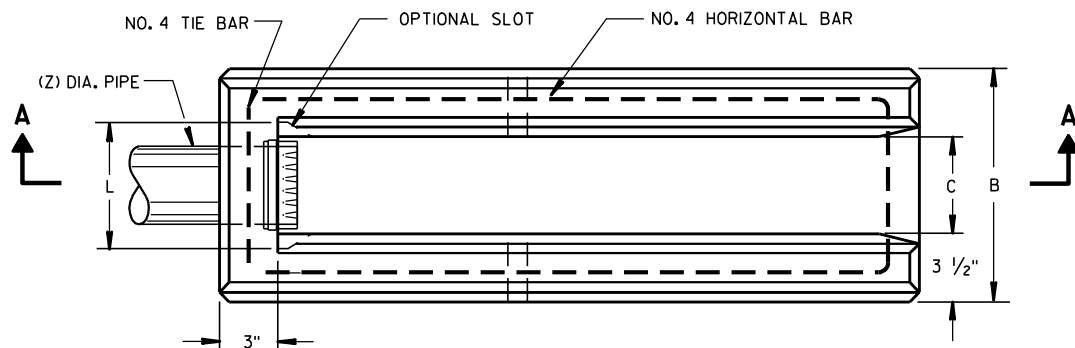
SILT FENCE
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED <u>4-29-05</u> DATE <u>/s/ Beth Connolly</u> CHIEF ROADWAY DEVELOPMENT ENGINEER

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

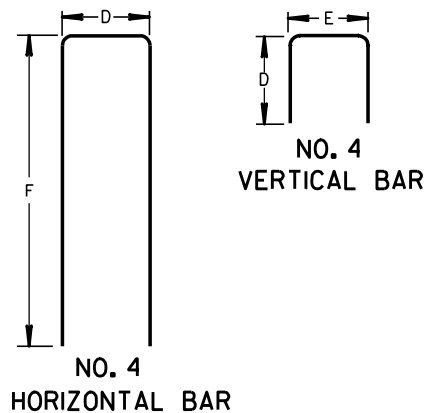
** APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



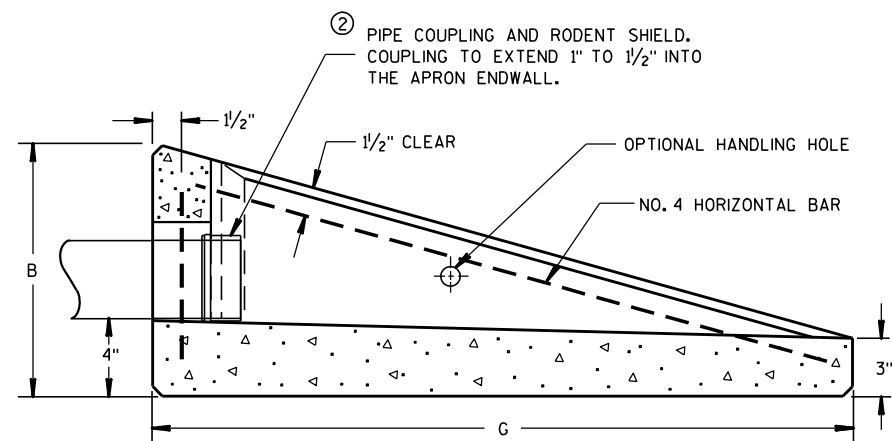
INSTALLATION DETAIL



PLAN VIEW

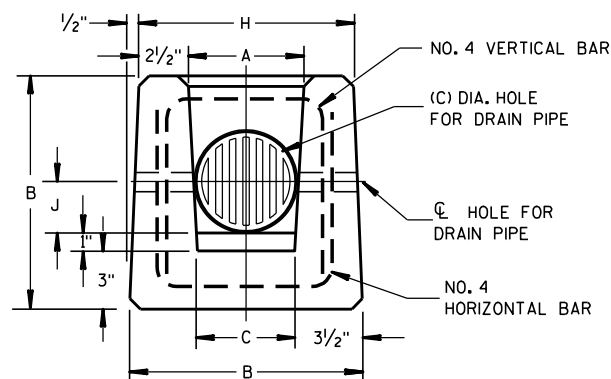


BAR STEEL REINFORCEMENT DETAILS



SECTION A-A

CONCRETE APRON ENDWALL FOR UNDERDRAIN



END VIEW

GENERAL NOTES

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

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

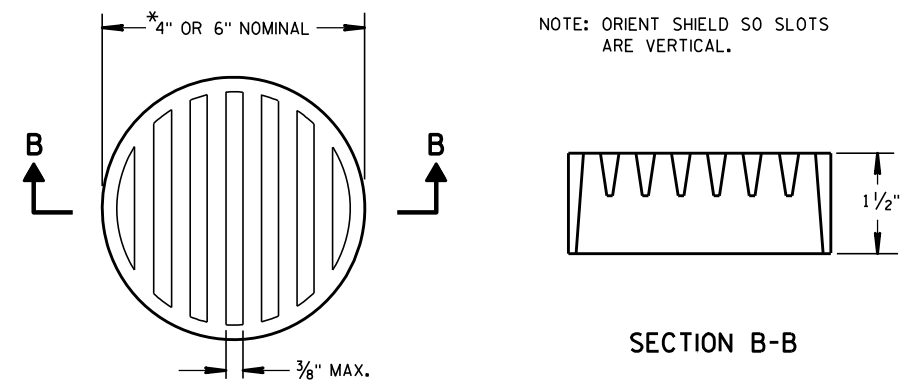
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

- ① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

- ② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

**REINFORCED
CONCRETE APRON ENDWALL
FOR PIPE UNDERDRAIN**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/10/98

DATE

FHWA

/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPER

INEER

GENERAL NOTES

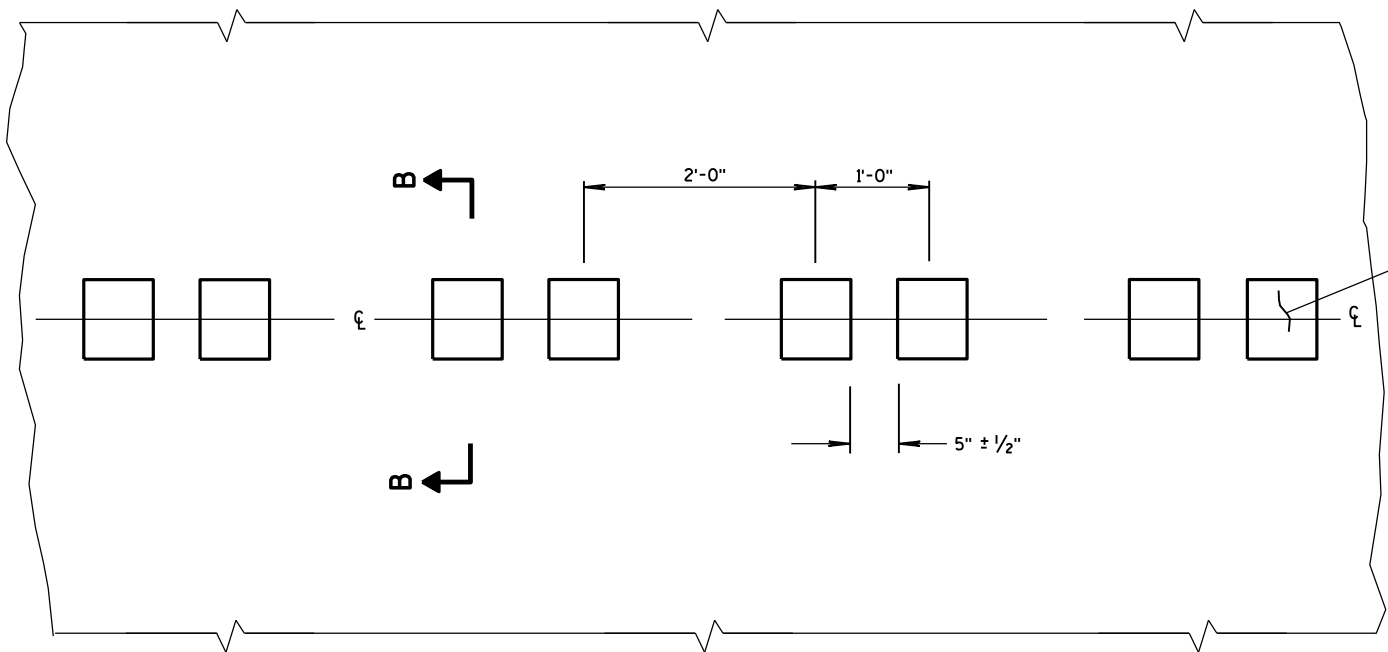
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

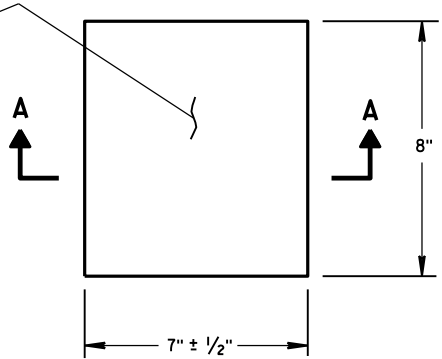
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

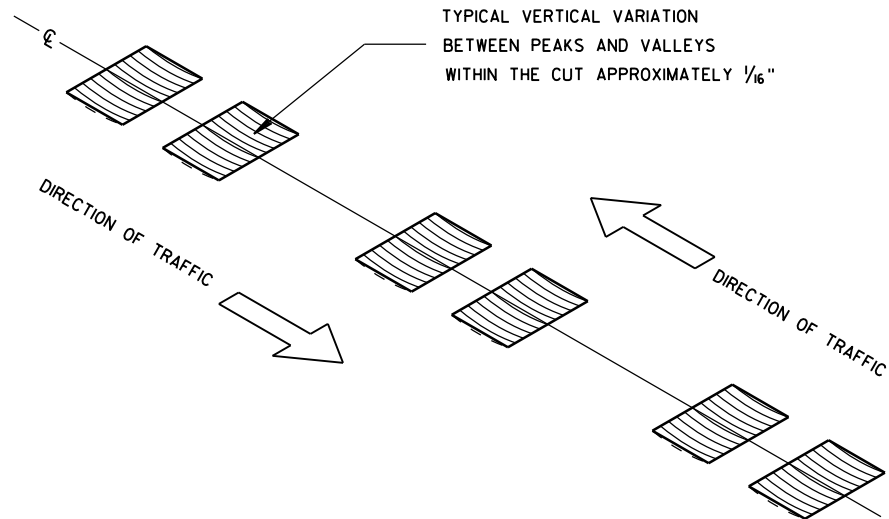
- ① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



PLAN VIEW
CENTER LINE WITH GROOVES

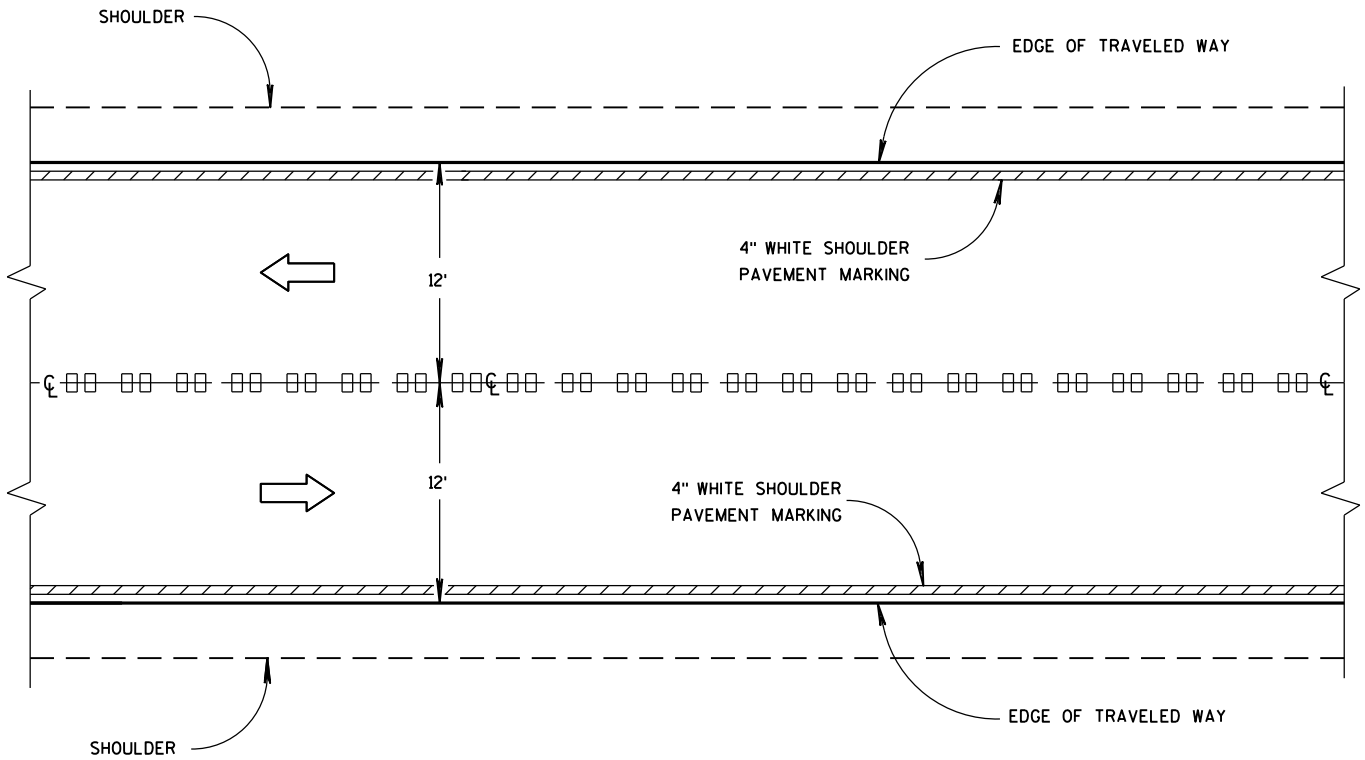


PLAN VIEW
(SINGLE GROOVE)

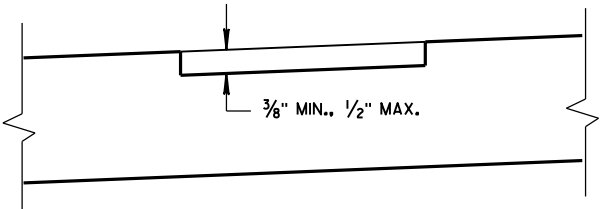


ISOMETRIC

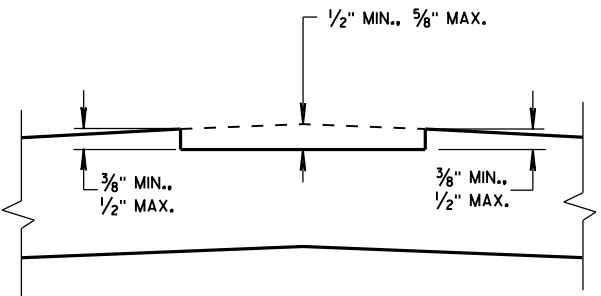
PLACEMENT DETAIL FOR MILLED RUMBLE STRIP



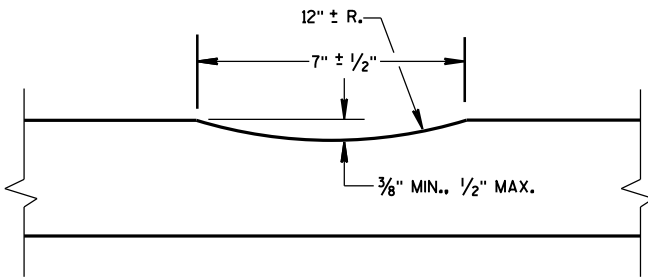
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



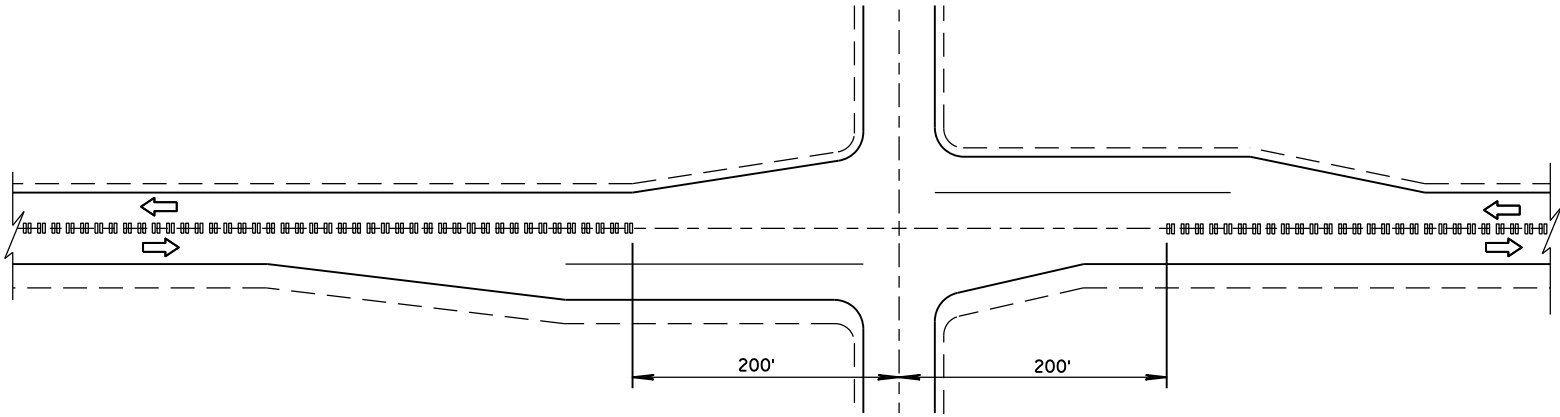
SECTION B-B
CROWNED ROADWAY



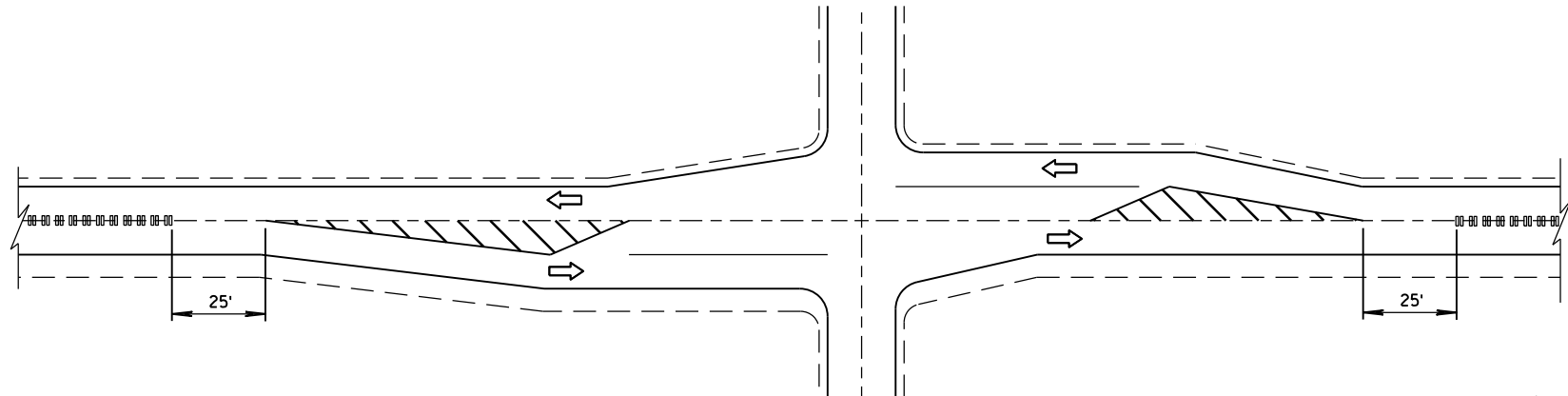
SECTION A-A

2-LANE RURAL
CENTER LINE RUMBLE STRIP,
MILLING

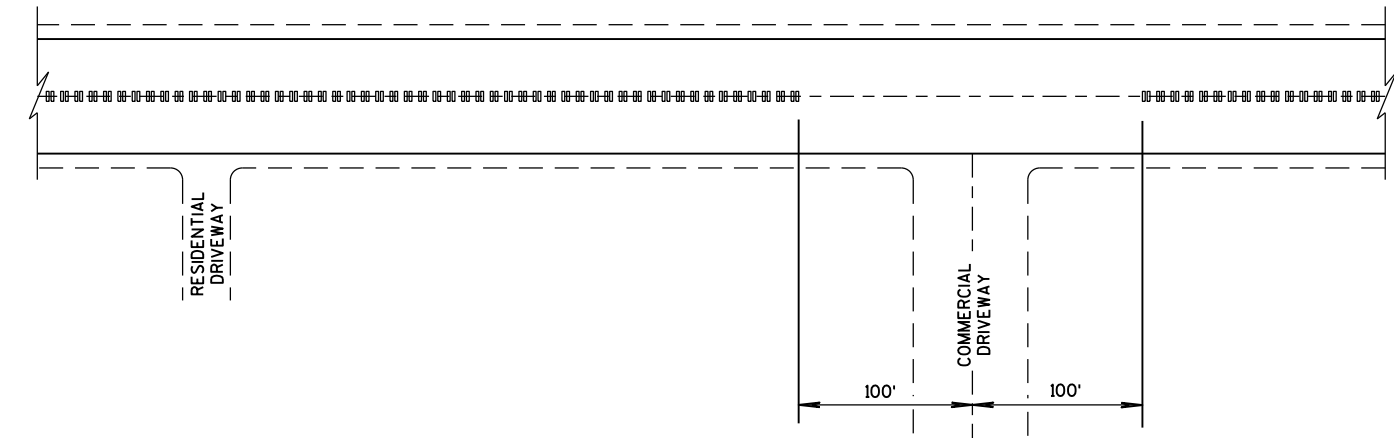
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CENTER LINE GROOVES AT INTERSECTIONS

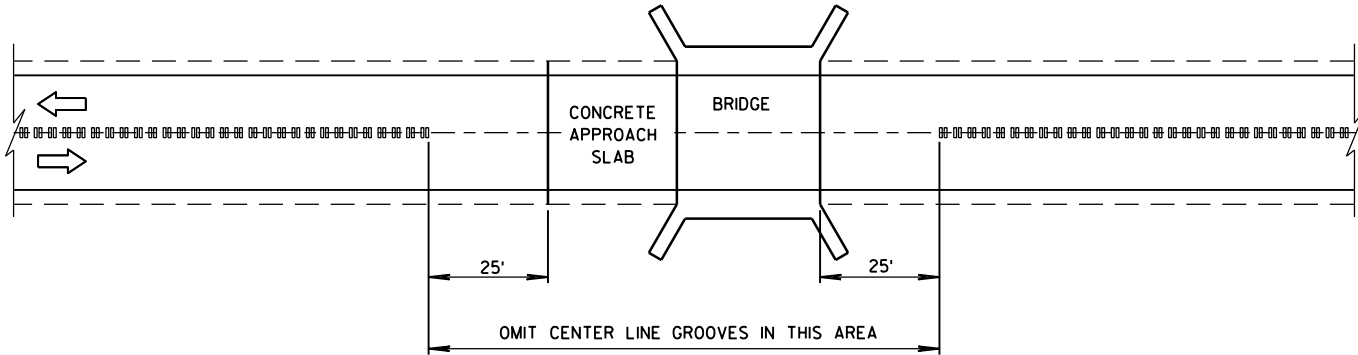


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

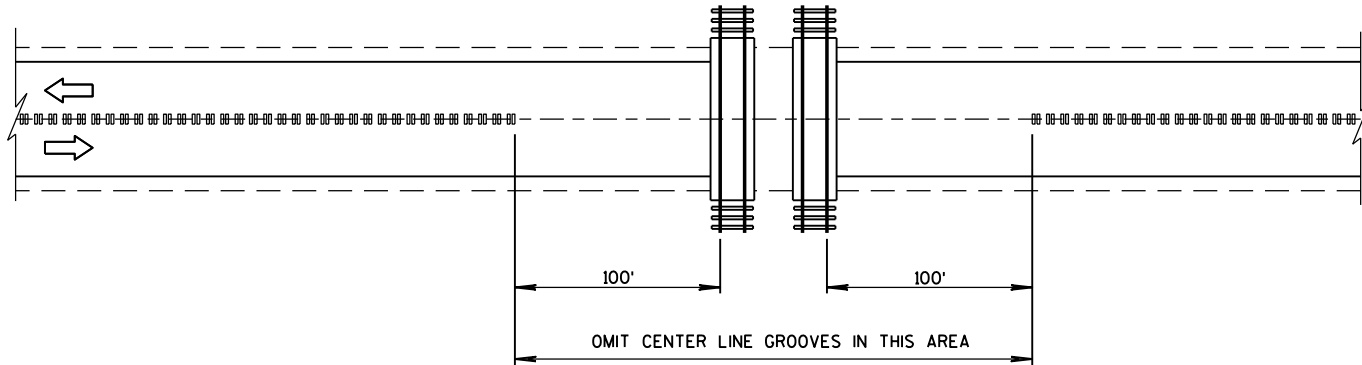


CENTER LINE GROOVES AT DRIVEWAYS^①

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

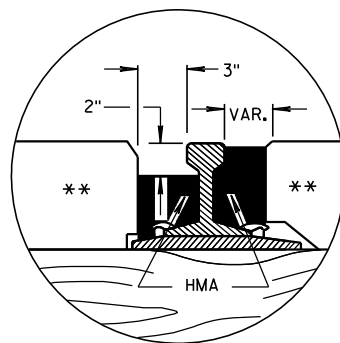
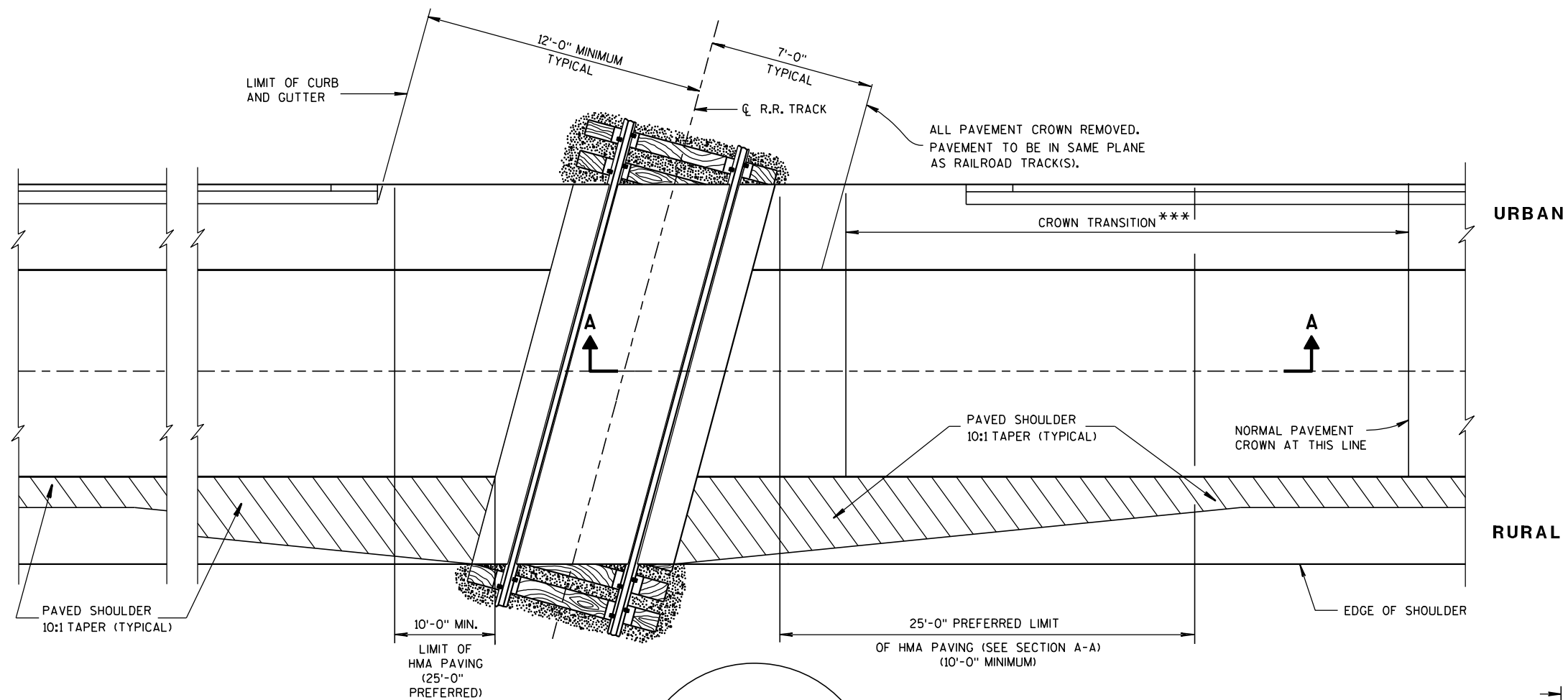


CENTER LINE GROOVES AT BRIDGES

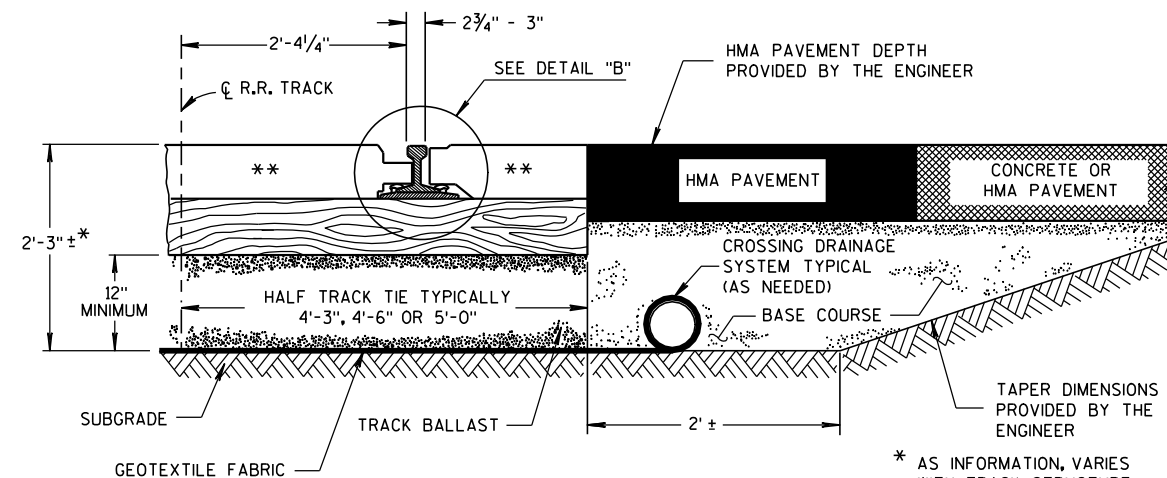


CENTER LINE GROOVES AT RAILROADS

2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE 5/15/2013	/S/ Jerry H. Zoaga ROADWAY STANDARDS ENGINEER 54 NT
FHWA	

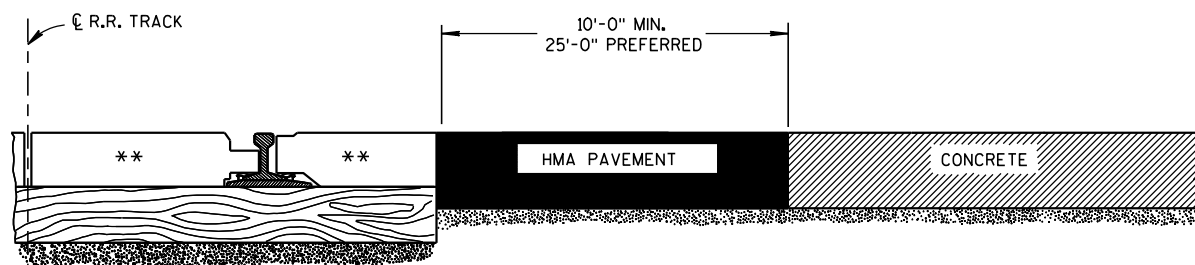


DETAIL B
HMA FLANGEWAY
AND FIELD FILLERS



TYPICAL HALF SECTION

* AS INFORMATION, VARIES WITH TRACK STRUCTURE AND SOIL CONDITIONS



SECTION A-A
CONCRETE PAVEMENT APPROACH



SECTION A-A
HMA PAVEMENT APPROACH

EXAMPLES OF PAVEMENT APPROACHES

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.

TIMBER, CONCRETE OR RUBBER CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, GEOTEXTILE FABRIC AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS OTHERWISE PROVIDED.

HMA PAVEMENT APPROACHES AND HMA PAVEMENT CROSSING SURFACES TO BE PLACED BY CONTRACTOR UNLESS OTHERWISE PROVIDED.

HMA FLANGEWAY AND FIELD FILLERS TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR WHEN NOT PROVIDED BY OTHERS. SEE DETAIL B. HMA FILLERS NOT REQUIRED WHEN RUBBER FILLERS ARE PROVIDED.

HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

** CROSSING SURFACE MAY BE TIMBER, RUBBER, CONCRETE, HMA PAVEMENT OR A COMBINATION OF SUCH MATERIALS.

*** CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8-28-09

DATE

FHWA

/S/ Ronald E. Adams

CHIEF, RAILROADS & HIGHWAYS DIVISION

SECTION

BILL OF MATERIALS

NOTE NO.	QTY.	DESCRIPTION
①	4	WOOD BREAKAWAY TERMINAL POST: 5 1/2" X 7 1/2" X 3'-9"
②	**	STEEL TUBE: OPTION 1 - QUANTITY OF 4 TS 8" X 6" X 0.188", 4'-6" LONG OR OPTION 2 - QUANTITY OF 2 TS 8" X 6" X 0.188", 6'-0" AND 2 TS 8" X 6" X 0.188", 4'-6" LONG
③	2	SOIL PLATE: 2'-0" X 1'-6" X 1/4" **
④	4	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	6	WOOD OFFSET BLOCKS: 6' X 8" X 1'-2"
⑥	1	PIPE SLEEVE: 2" X 5 1/2" STANDARD PIPE
⑦	1	BEARING PLATE
⑧	1	BCT CABLE ASSEMBLY
⑨	1	CABLE ANCHOR BOX
⑩	1	STRUT & YOKE
⑪	1	STEEL PLATE BEAM, END PANEL 12 GA. 13'-6 1/2" LONG FOR SKT-350, ET-2000 AND ET-2000 PLUS
⑫	3	STEEL PLATE BEAM: 12 GA. 13'-6 1/2"
⑬	1	ET-2000/ET-2000 PLUS GUARDRAIL EXTRUDER OR SKT-350 IMPACT HEAD: AS FURNISHED BY MANUFACTURER
⑭	1	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
⑮	1	E.A.T. MARKER POST

LIMIT OF STEEL PLATE
BEAM GUARD, CLASS A

GENERAL NOTES

FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS. IF NONE ARE AVAILABLE, INSTALL $\frac{5}{8}$ " ϕ X 1'-6" BUTTON HEAD BOLTS AT ALL POSTS EXCEPT FOR POST 1.

(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.

Ⓑ AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

③ THE 13 SLOT FIRST RAIL PANEL MAY BE USED IN LIEU OF THE 3 SLOT RAIL PANEL ON SKT-350 ONLY.

④ THE TOP OF THE STEEL TUBE ON POSTS 1 THROUGH 4 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

(E) THE CENTER OF THE UPPER 3/2" DIAMETER HOLE ON POST 5 THROUGH 8 SHALL BE 3/4" ABOVE THE FINISHED GROUND LINE.

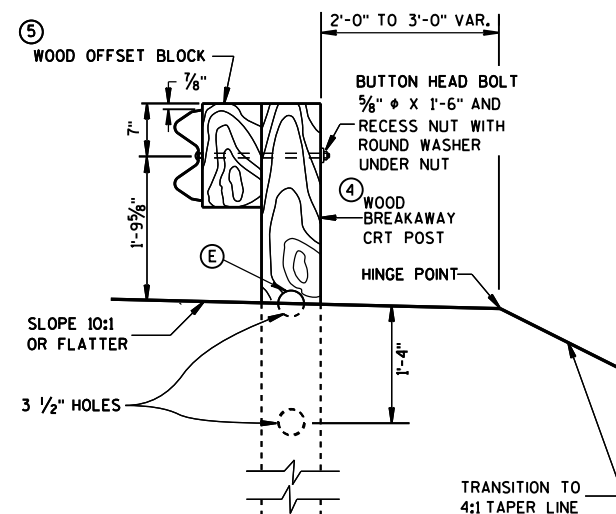
Ⓕ ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

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

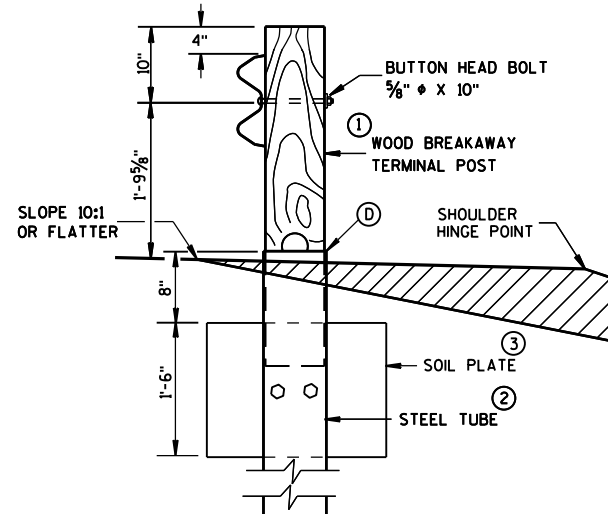
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE
APPROACH END OF THE ENERGY ABSORBING TERMINAL.

* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

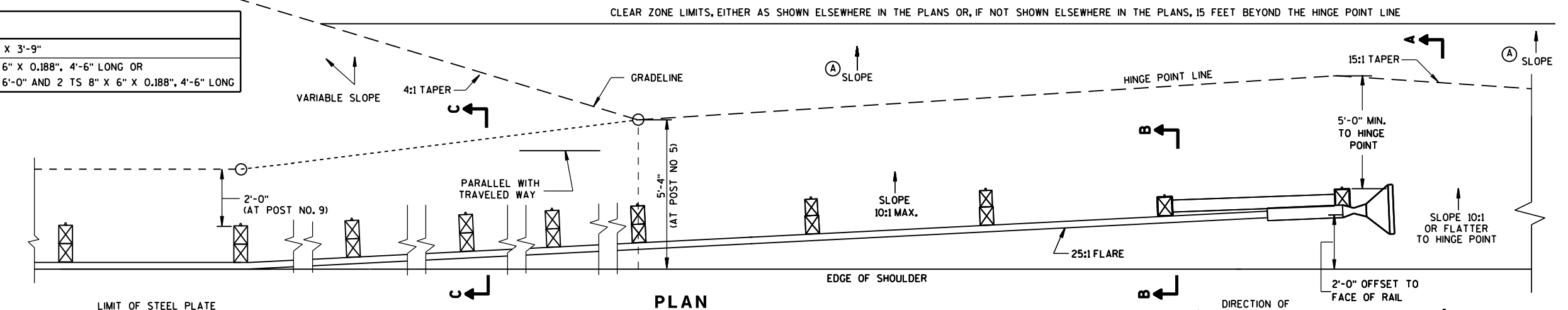
**** SDD SHOWS 4 - 54 INCH STEEL TUBES WITH SOIL PLATES INSTALLED ON POST 1 AND POST 2. POST 3 AND 4 DO NOT NEED SOIL PLATES. AN ALTERNATIVE INSTALLATION WOULD CONSIST OF 2 - 72 INCH STEEL TUBES ON POST 1 AND POST 2 AND 54 INCH SOIL TUBES ON POSTS 3 AND 4. THE ALTERNATIVE INSTALLATION DOES NOT REQUIRE SOIL PLATES.**



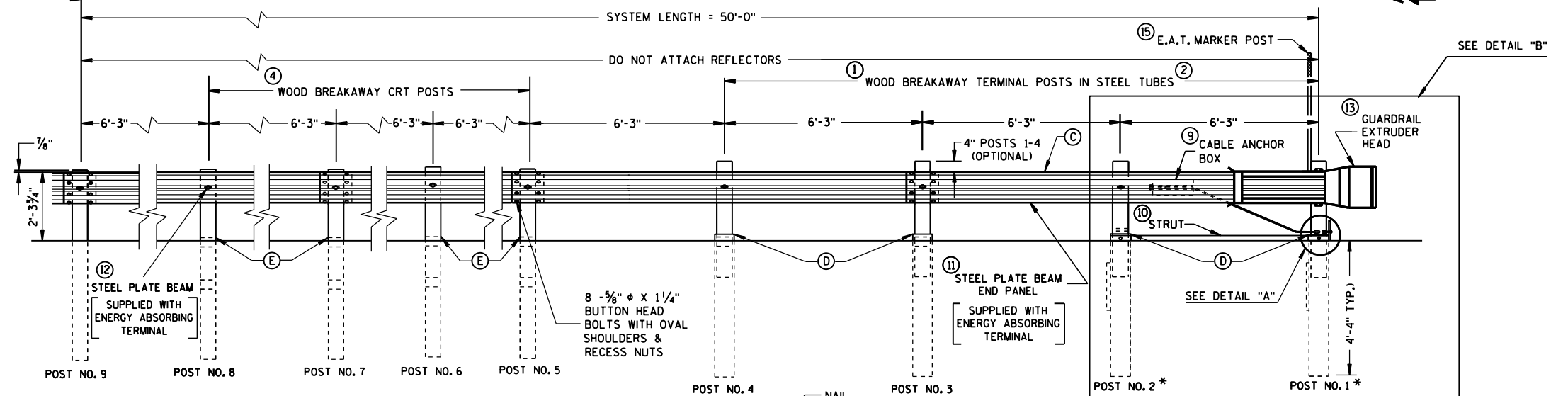
SECTION C-C
TYPICAL AT POST NOS. 6, 8



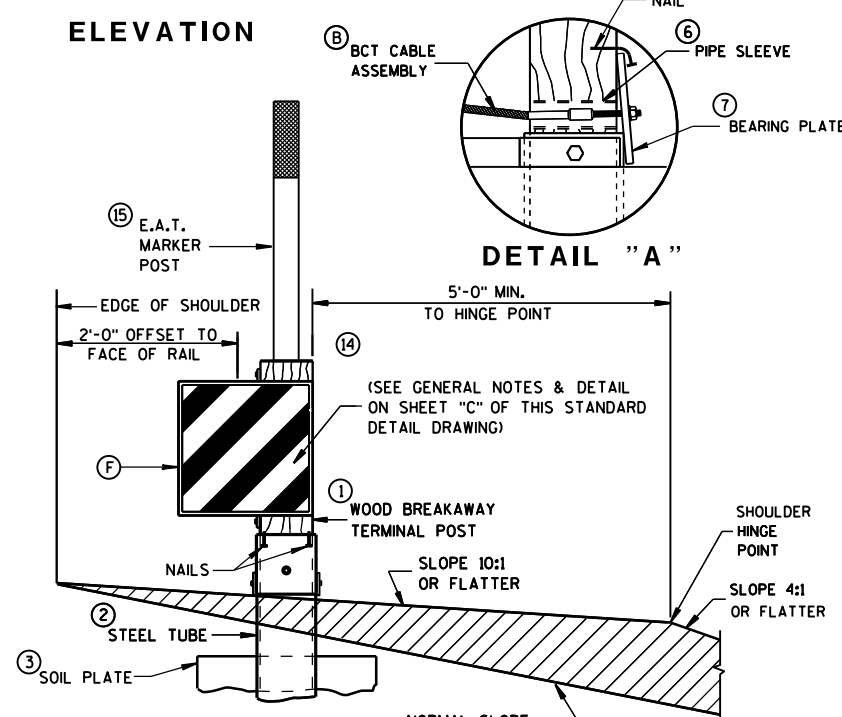
SECTION B-B
TYPICAL AT POST NO. 2 *



PLAN

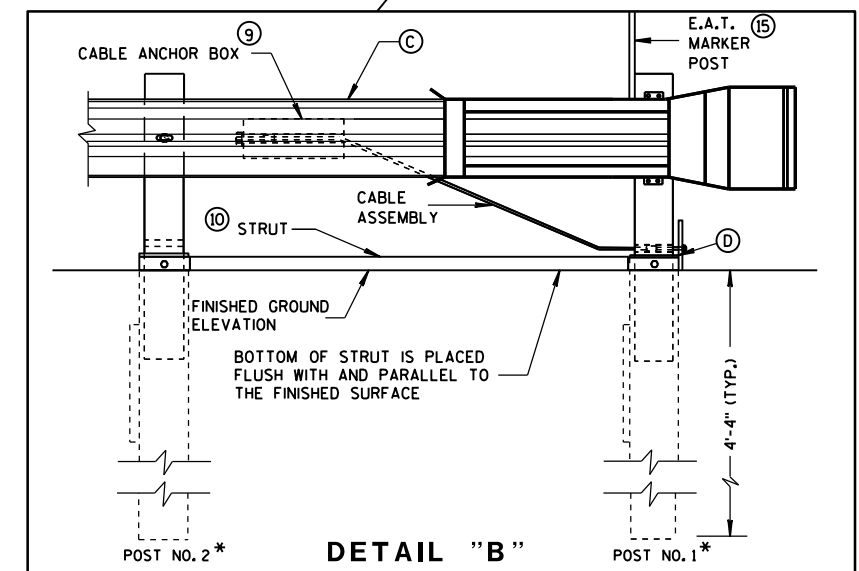


ELEVATION



SECTION A-A

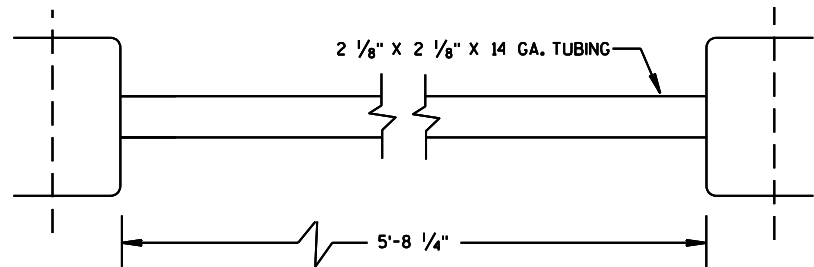
TYPICAL AT POST NO. 1*



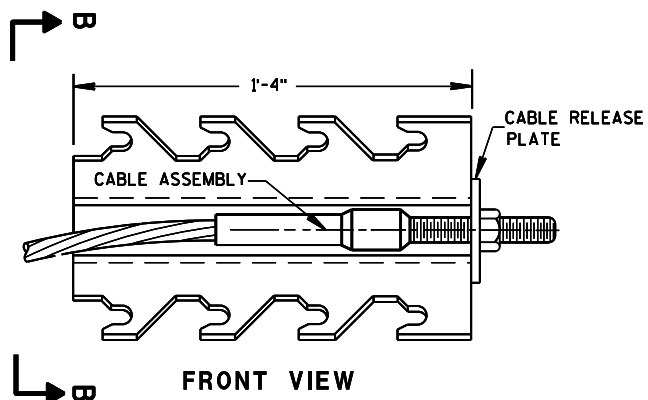
DETAIL "B"

STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

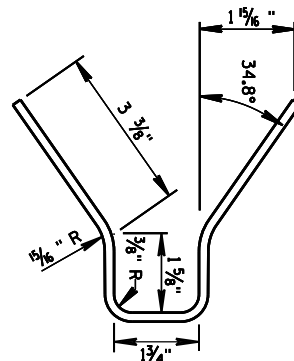
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION⁵⁶



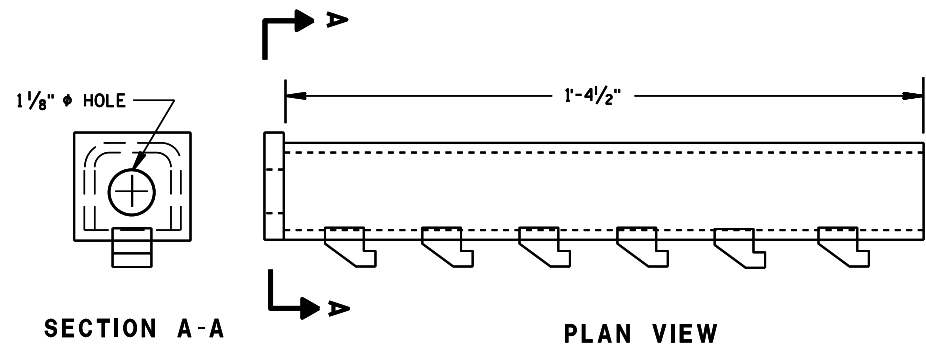
⑩ STRUT DETAIL (SKT-350)



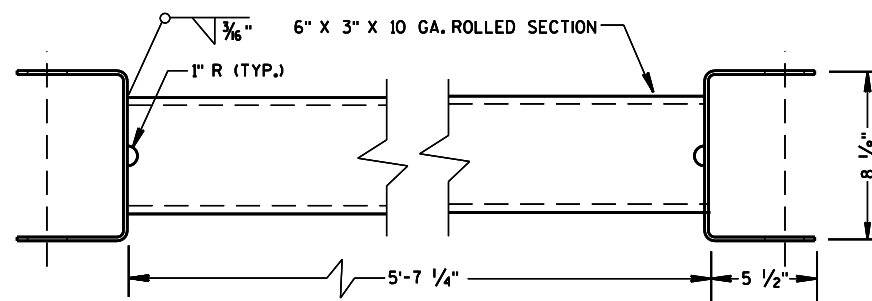
⑨ CABLE ANCHOR BOX (SKT-350)
(SKT-350)



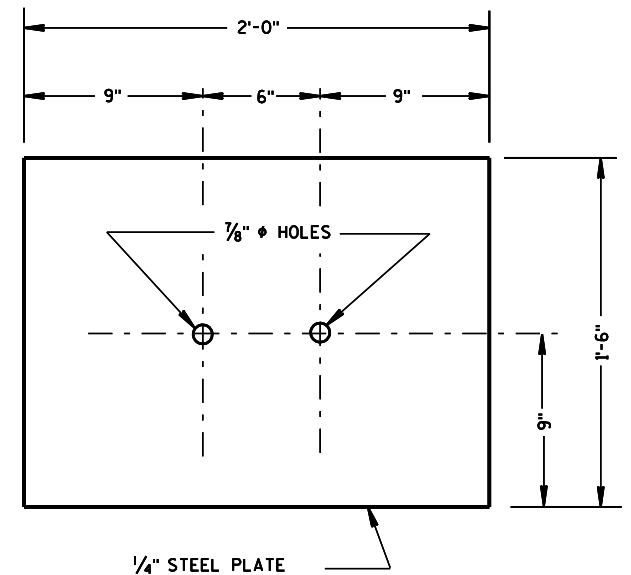
SECTION B-B



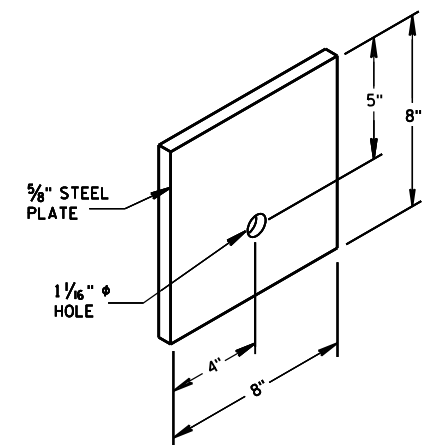
⑨ CABLE ANCHOR BOX (ET-2000/ET-2000 PLUS)



⑩ STRUT DETAIL (ET-2000/ET-2000 PLUS)
(ET-2000/ET-2000 PLUS)



③ SOIL PLATE
(SKT-350, ET-2000/ET-2000 PLUS)

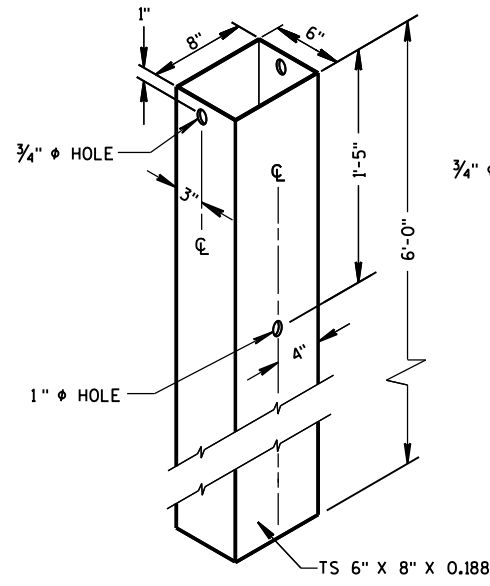


⑦ STEEL BEARING PLATE
(SKT-350, ET-2000/ET-2000 PLUS)

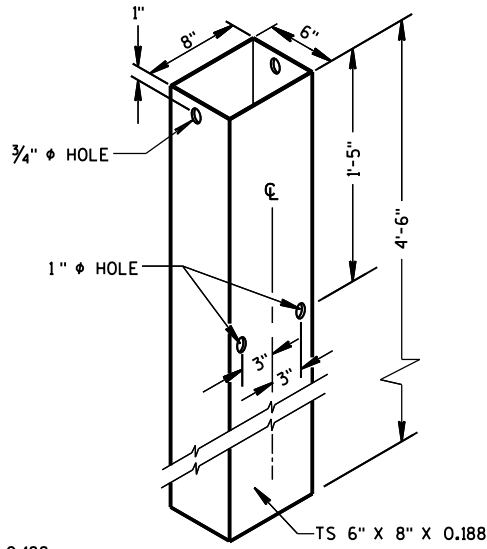
STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

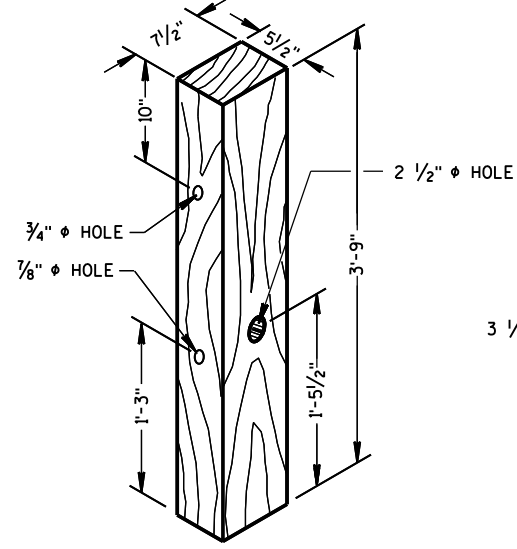
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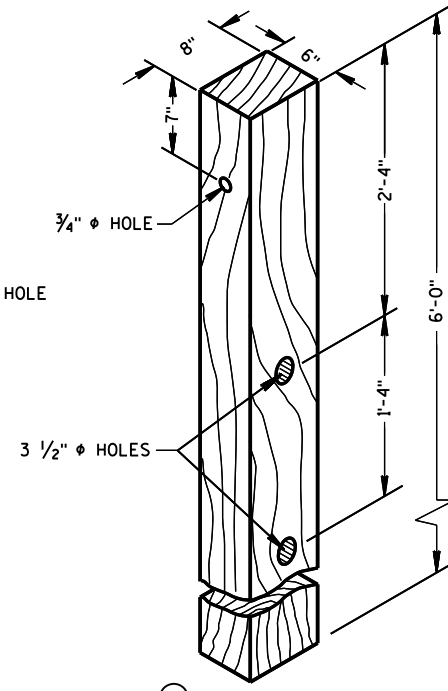
② 72" STEEL TUBE
(POSTS NO. 1-4)



② 54" STEEL TUBE
(POSTS NO. 1-4)

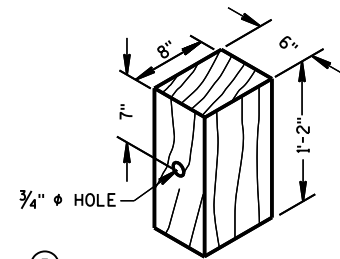


① TERMINAL POST
(POSTS NO. 1-4)



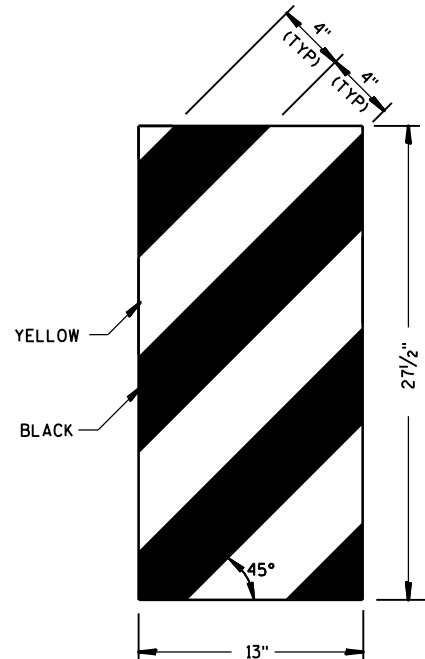
④ CRT POST
(POSTS NO'S 5-8)

WOOD BREAKAWAY POSTS



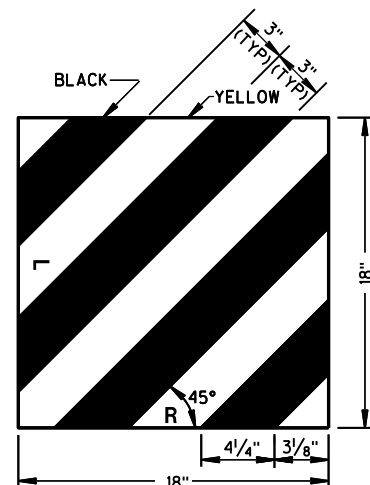
⑤ WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2

TYPE H
YELLOW REFLECTIVE
SHEETING 3" X 9"
SEE STANDARD
SPECIFICATION 637

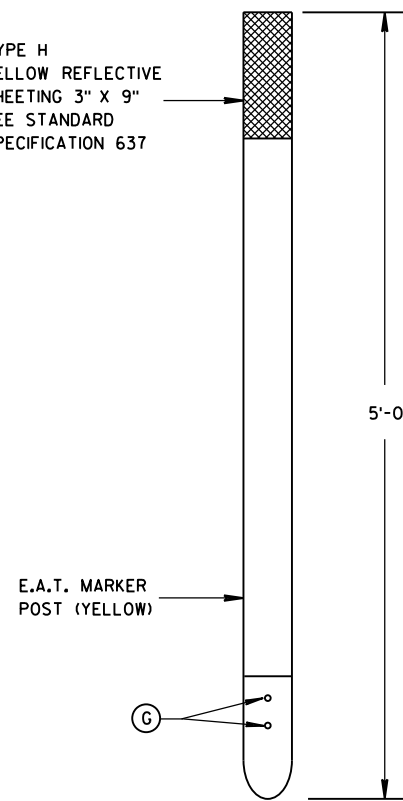


ET-2000 PLUS ONLY

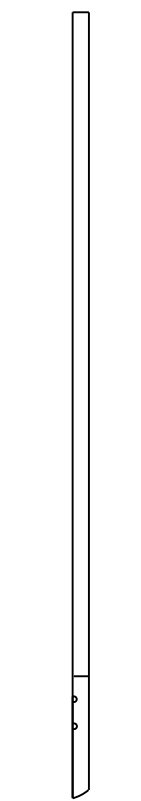
⑭ REFLECTIVE SHEETING DETAILS



ET-2000 AND SKT-350

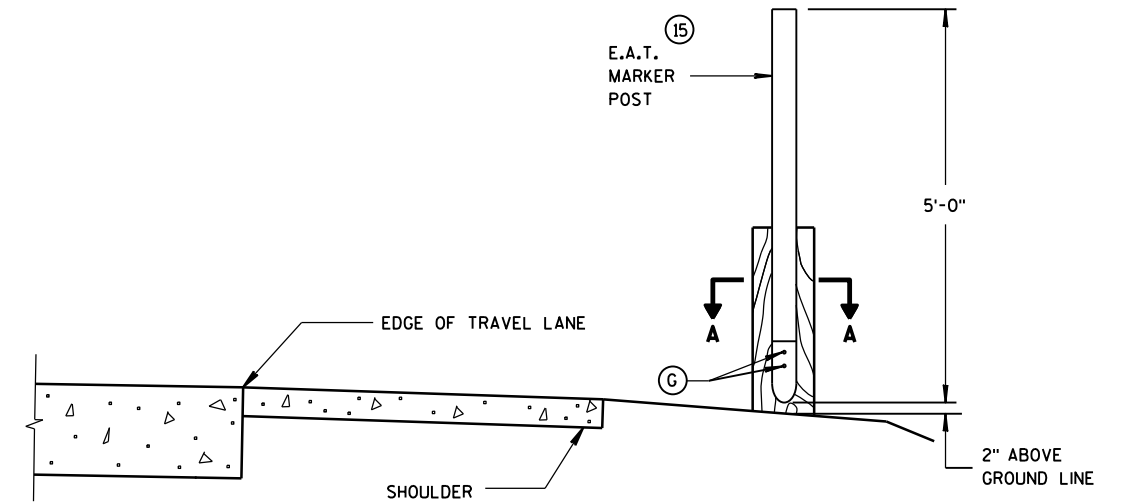


FRONT VIEW

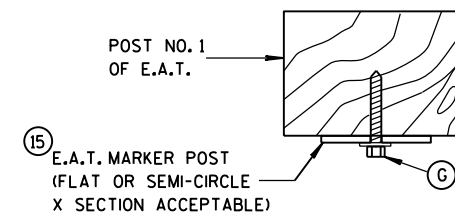


SIDE VIEW

⑮ E.A.T. MARKER POST



TYPICAL INSTALLATION OF E.A.T.
MARKER POST BACKSIDE OF POST NO. 1
(E.A.T. AND RAIL REMOVED FOR CLARITY)



SECTION A-A

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 1/2" 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.

SEE APPROVED PRODUCTS LIST FOR ACCEPTABLE E. A. T. MARKER POST.

⑮ 1/2" DIA. X 3" LAG BOLT WITH WASHER.

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

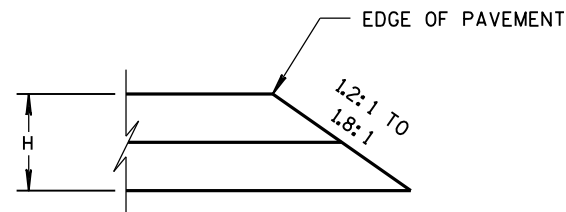
APPROVED

June 2014
DATE

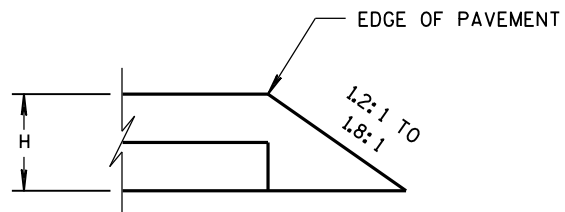
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS
ENGINEER

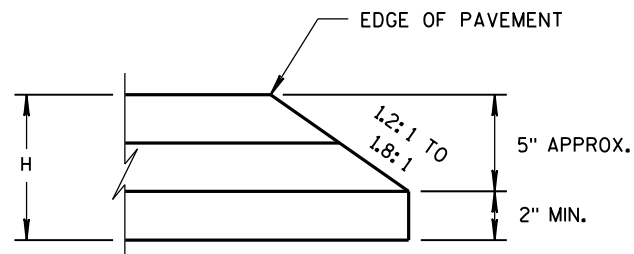
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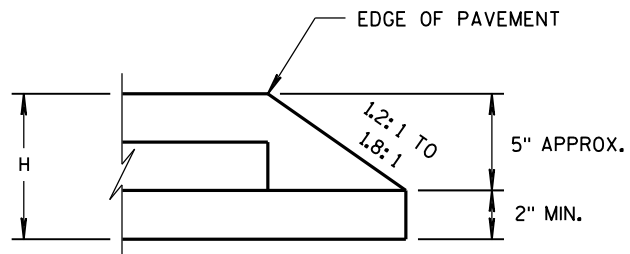
CONSTRUCTED WITH FINAL TWO LAYERS
FOR H 5" OR LESS



CONSTRUCTED WITH FINAL LAYER
FOR H 5" OR LESS

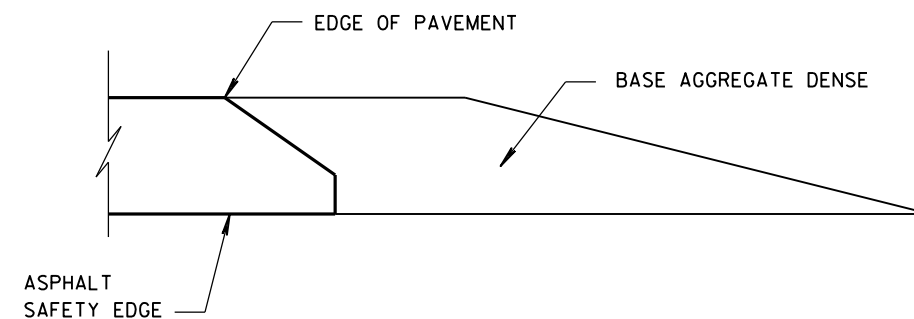


CONSTRUCTED WITH FINAL TWO LAYERS
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER
FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE_{SM}

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

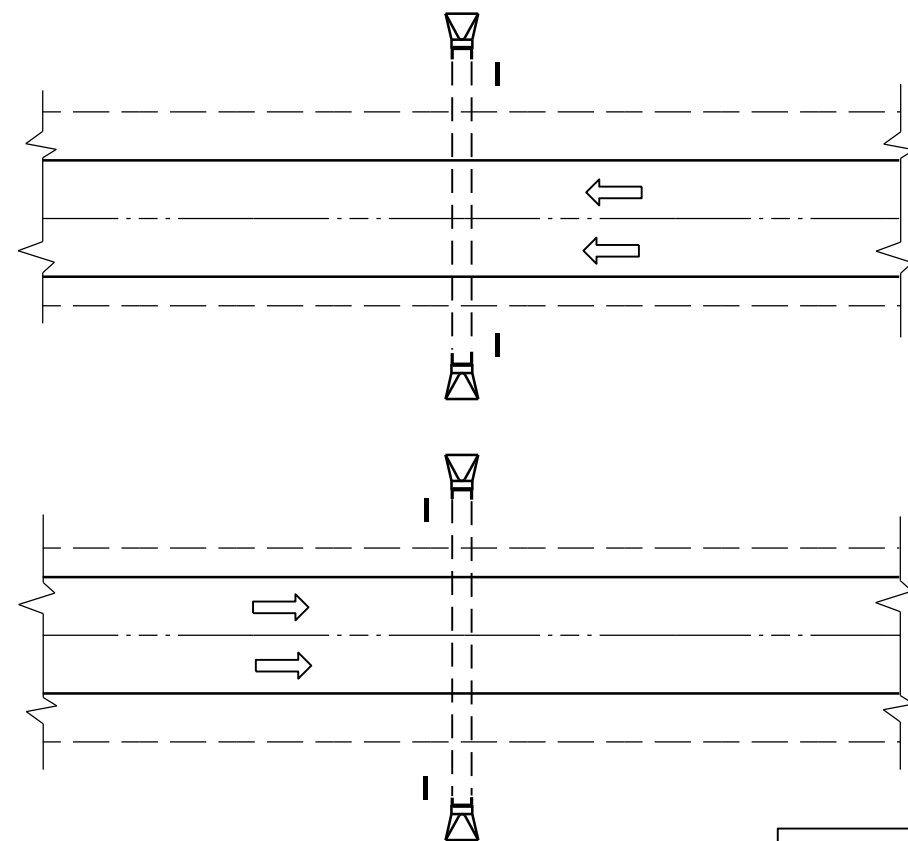
APPROVED

11/30/2012
DATE

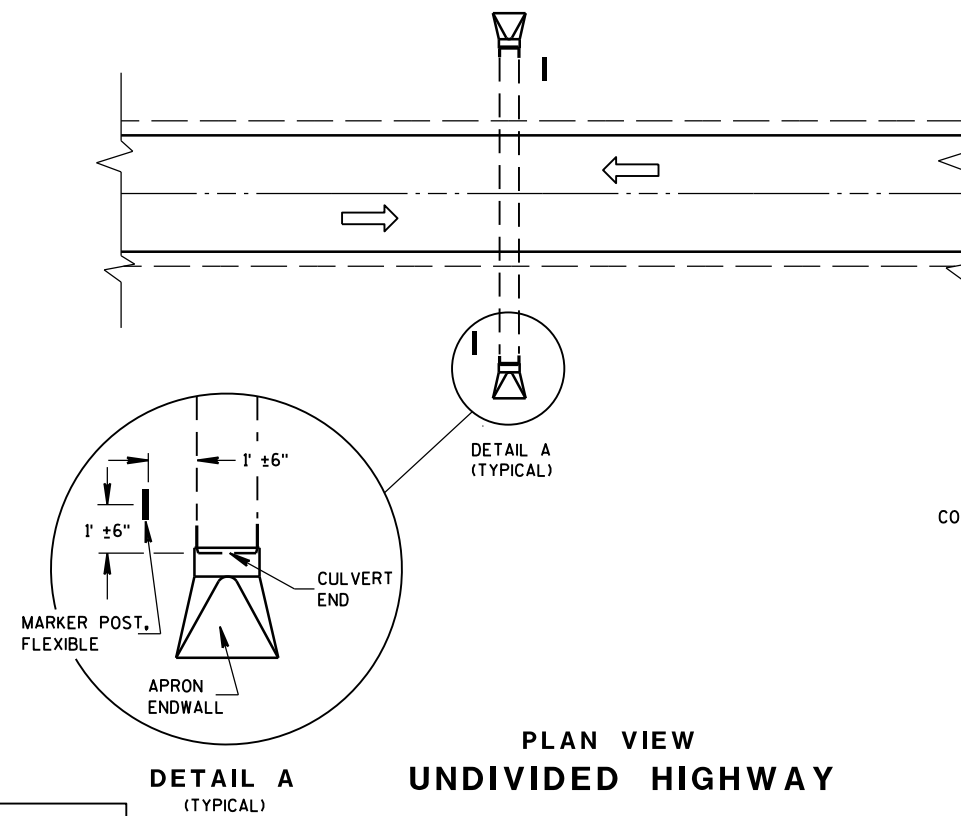
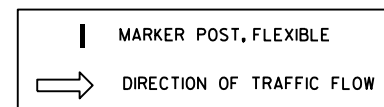
FHWA

/s/ Jerry H. Zogg
ROADWAY STANDARDS
ENGINEER

ENT



PLAN VIEW
DIVIDED HIGHWAY

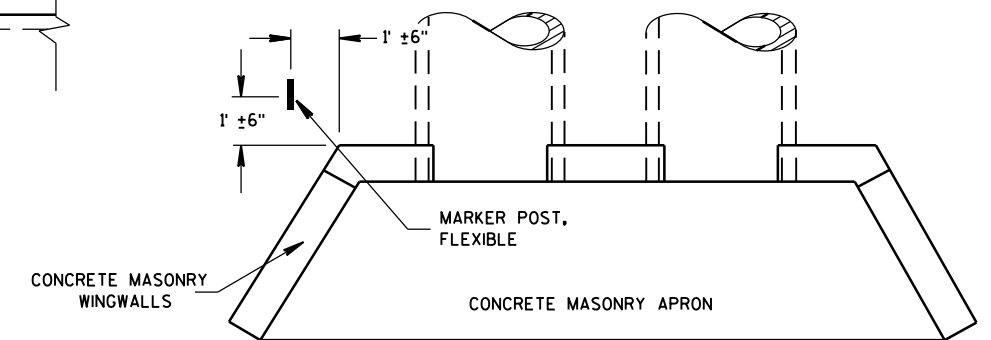


PLAN VIEW
UNDIVIDED HIGHWAY

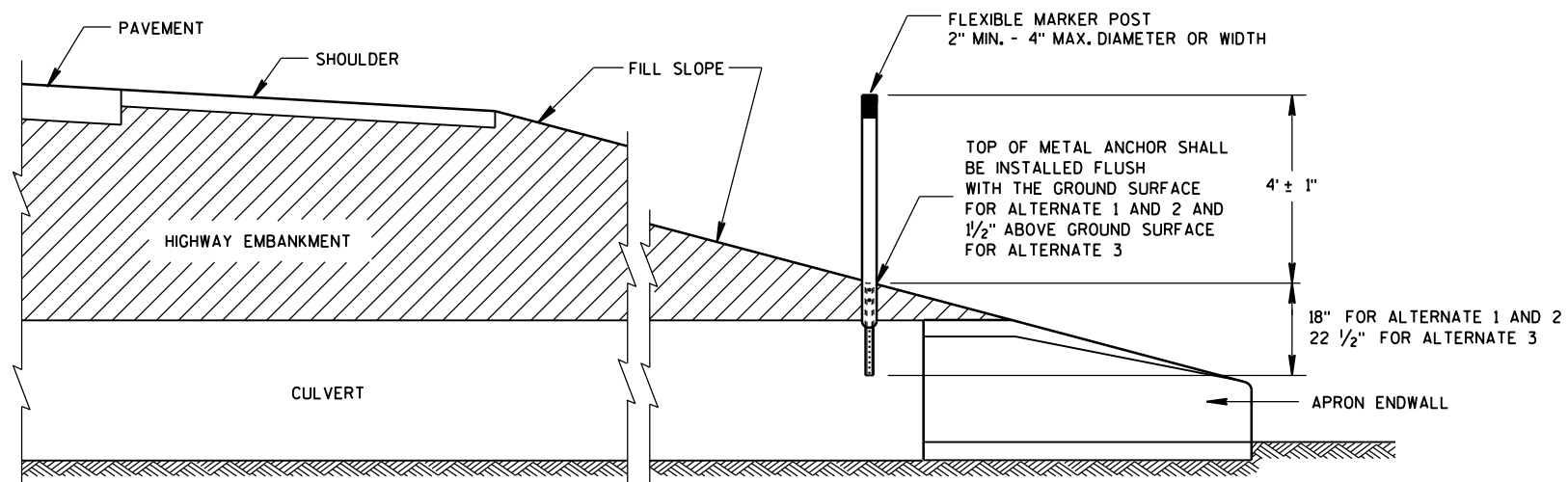
FLEXIBLE MARKER POST LOCATION

GENERAL NOTES

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



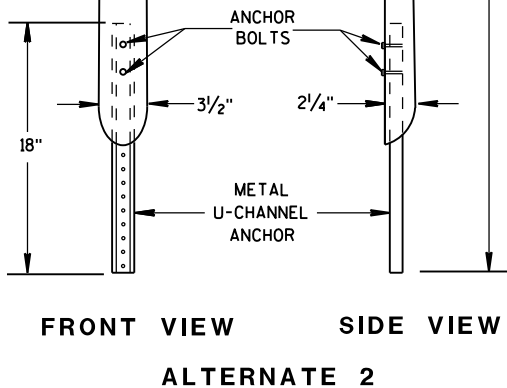
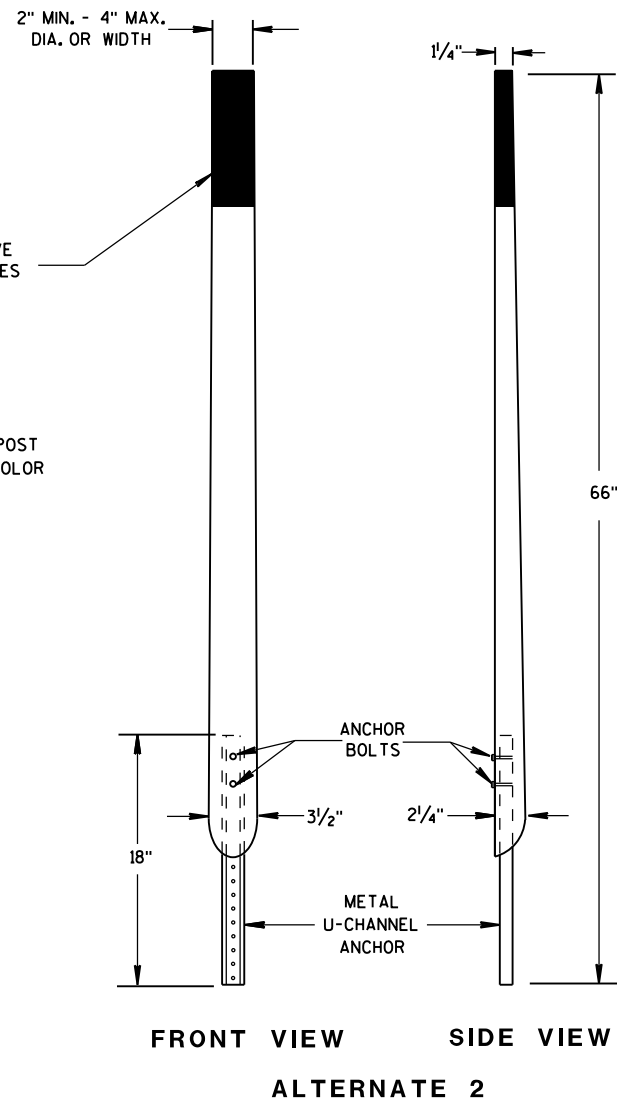
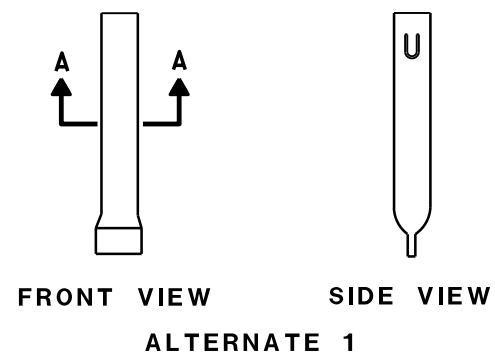
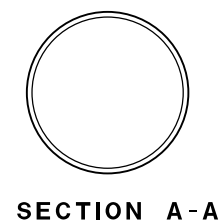
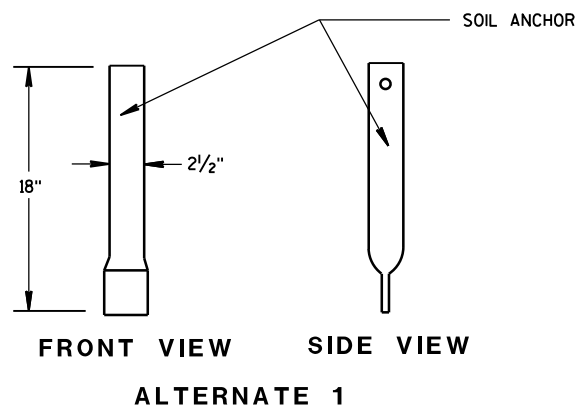
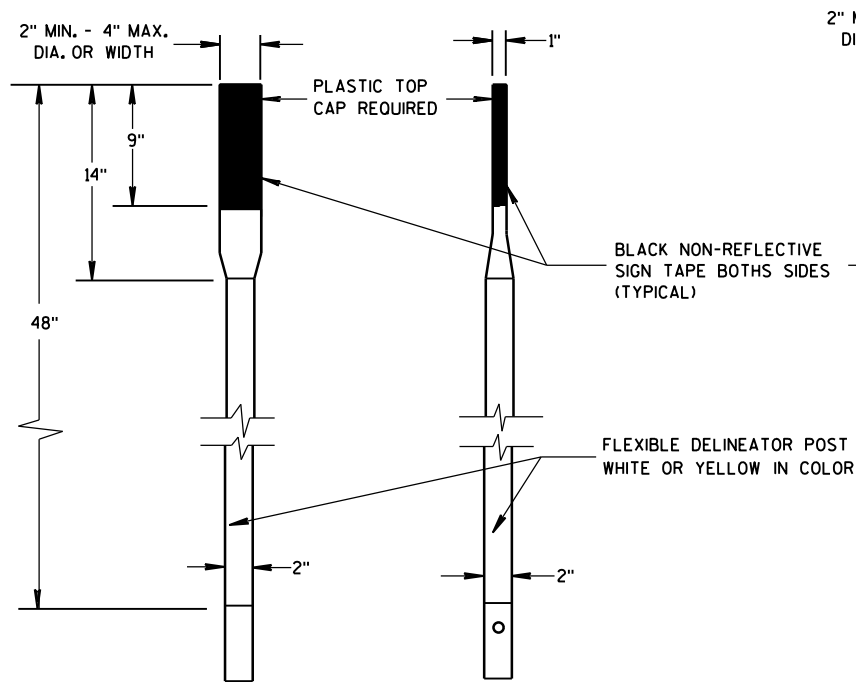
PLAN VIEW
CONCRETE MASONRY ENDWALLS FOR
CULVERT PIPE AND PIPE ARCH



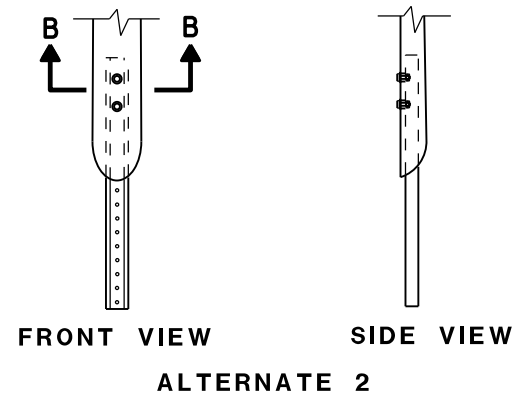
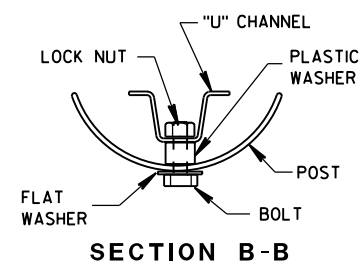
CROSS SECTION
FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

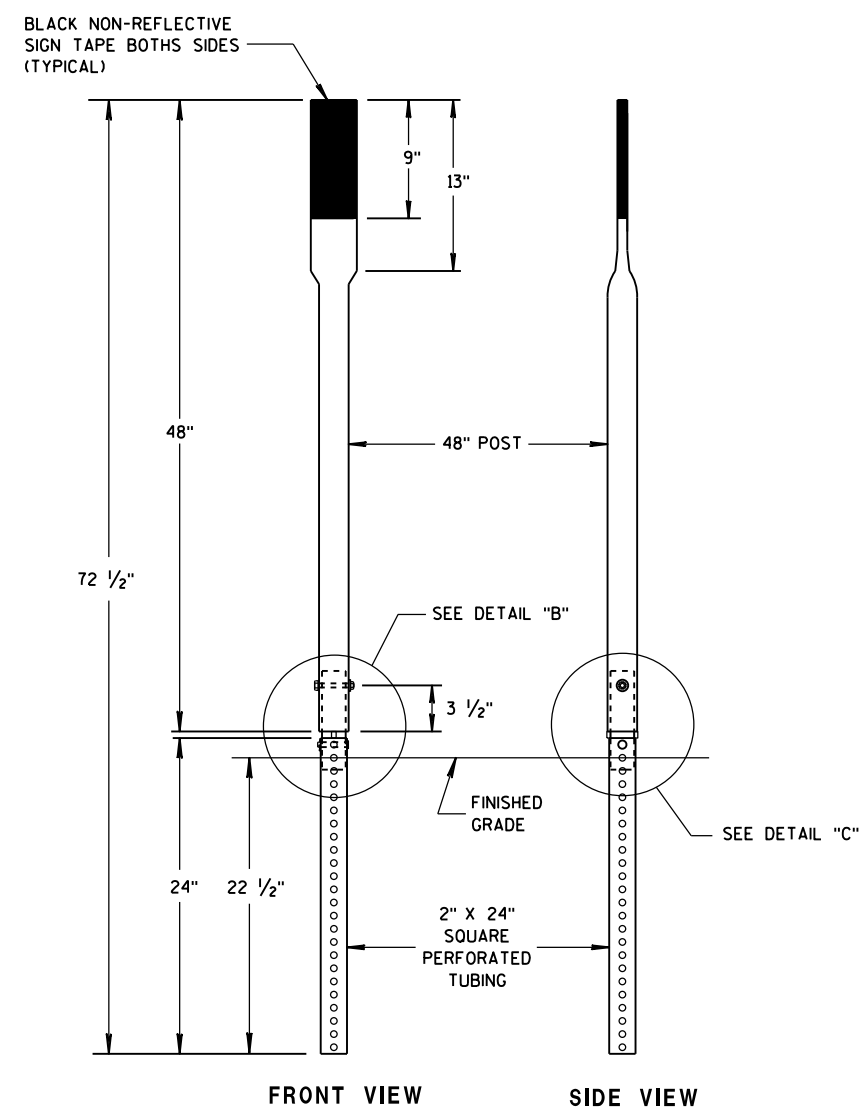
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



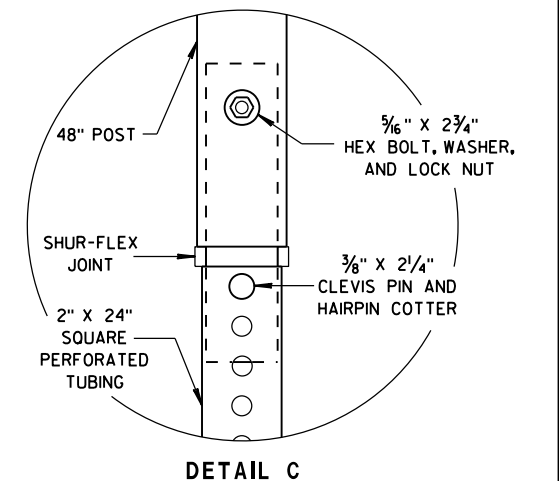
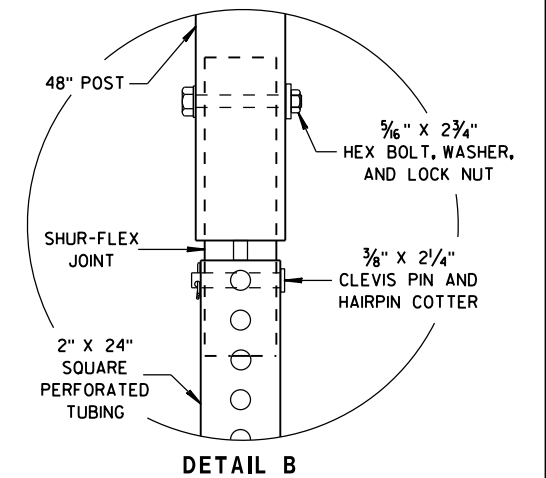
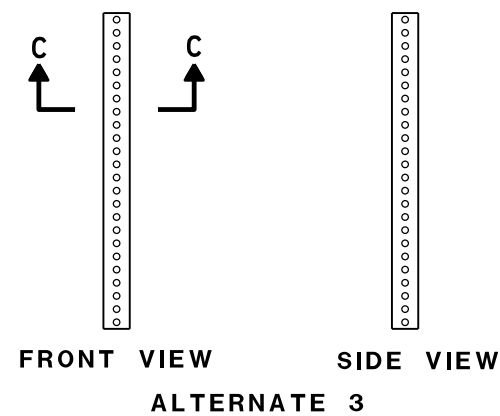
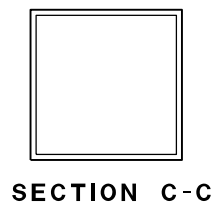
FLEXIBLE MARKER POSTS



FLEXIBLE MARKER POST ANCHORS



FRONT VIEW SIDE VIEW
ALTERNATE 3



FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

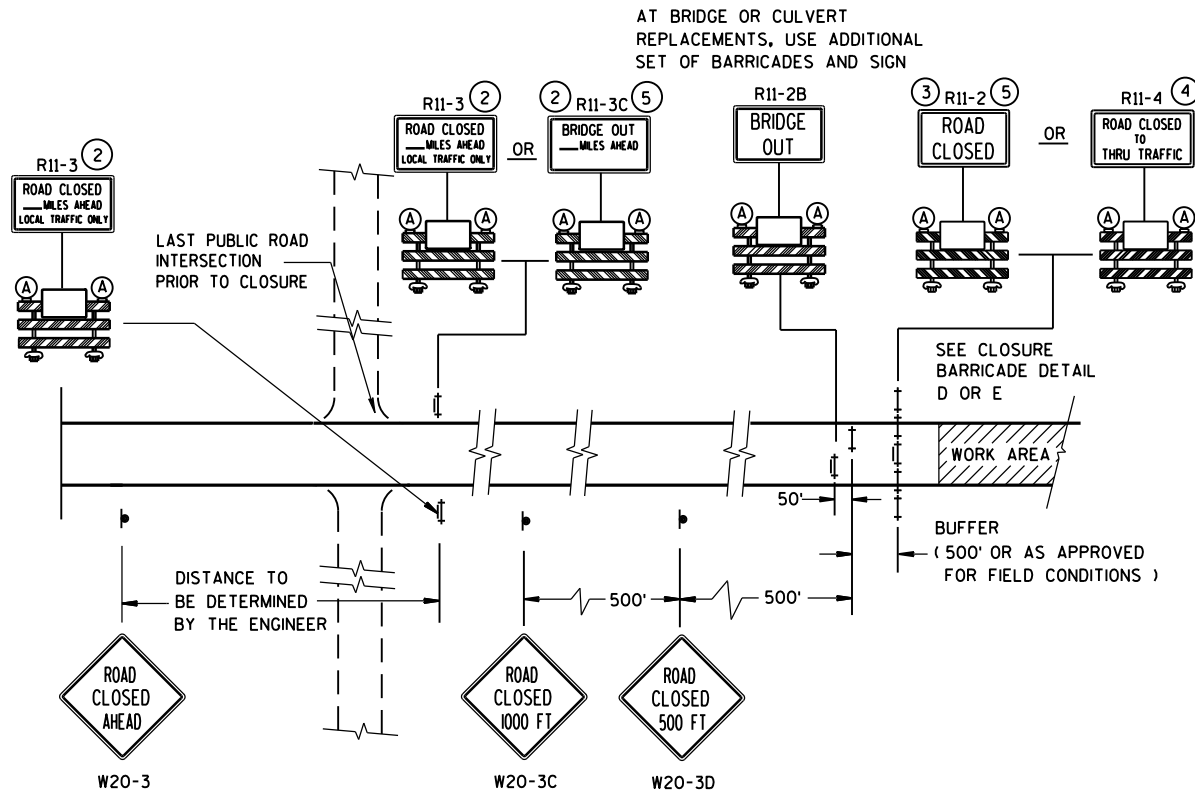
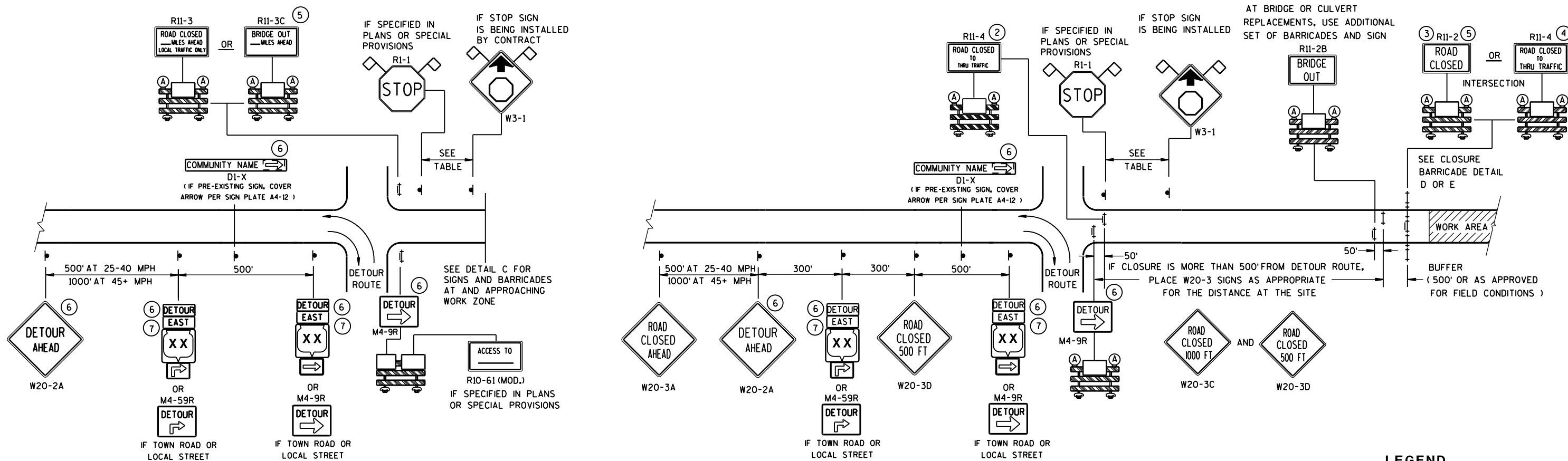
APPROVED

10/1/2012
DATE

FHWA

/S/ Travis Feltes
STATE TRAFFIC ENGINEER 61

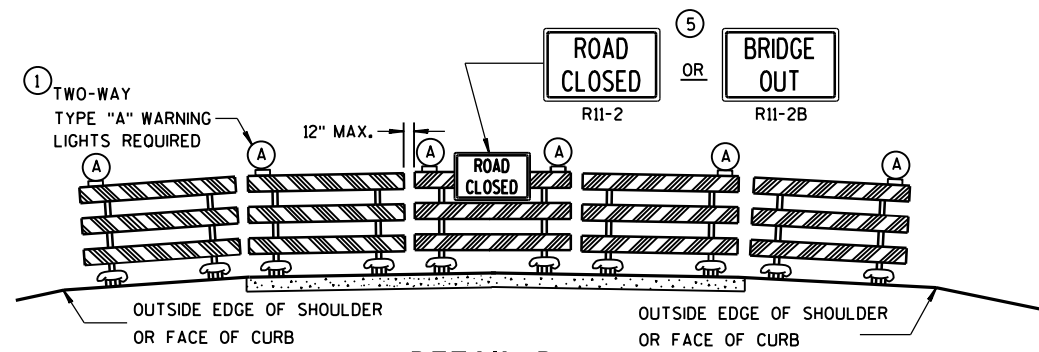
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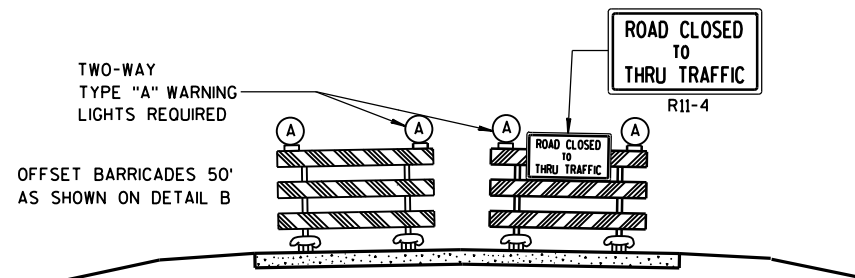
SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES		
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION		
Sept. 2015 DATE	/S/ Peter Amokobe Atepe STATEWIDE WORK ZONE SAFETY ENGINEER	FIC



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 BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE 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, 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". (30" X 15" 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.)

D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

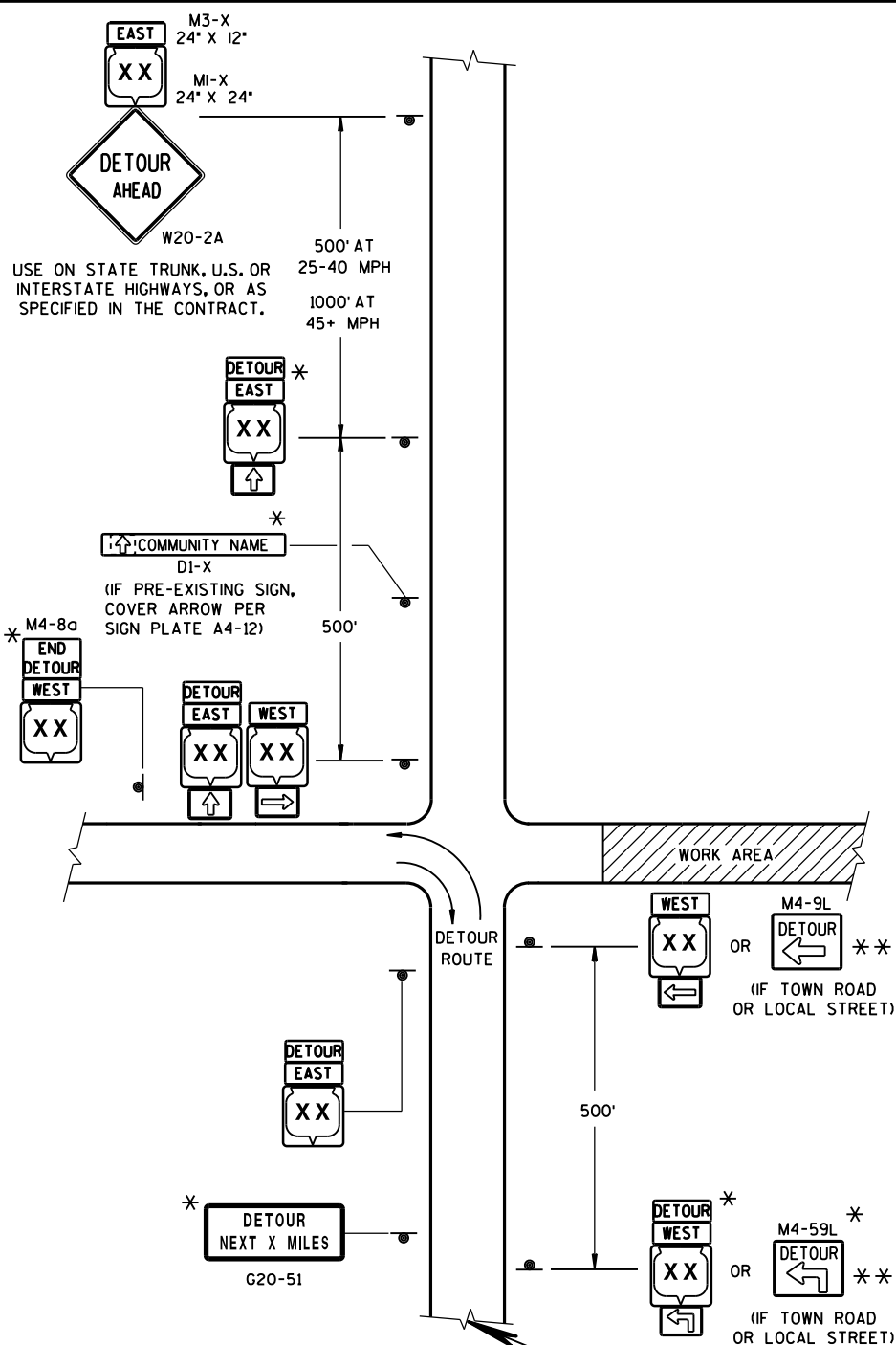
R1-1 SHALL BE 36" X 36".

- 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 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 LANE 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 MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 /S/ Peter Amokobe Atepe
DATE STATEWIDE WORK ZONE SAFETY ENGINEER 63 FIC
FHWA



LEGEND

SIGN ON PERMANENT SUPPORT

WORK AREA

M4-8
M3-X

COUNTY
MI-4 MI-5A MI-6

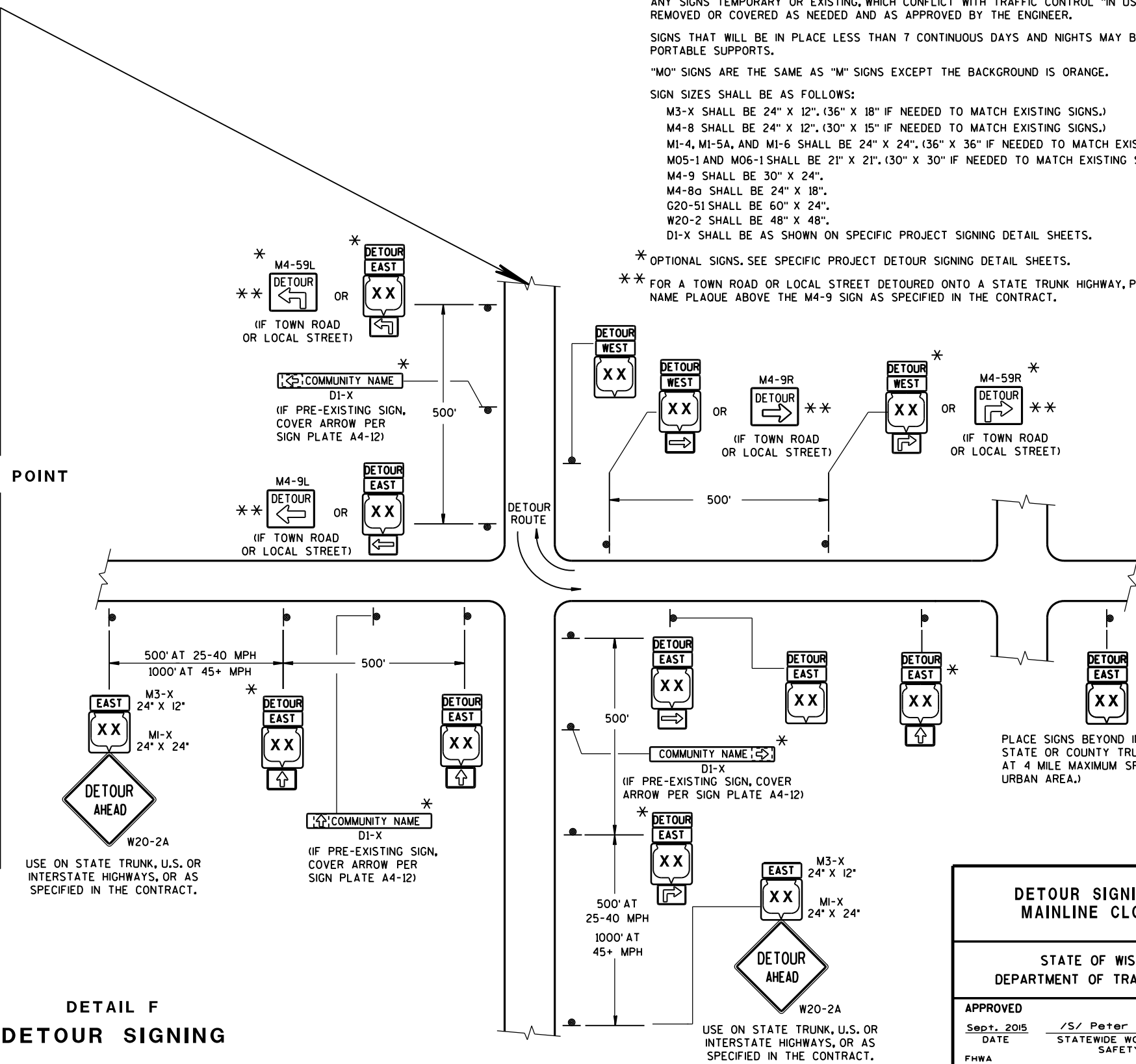
M05-1 M06-1 M06-1

SEE SPECIFIC PROJECT DETOUR
SIGNING DETAIL SHEETS AND
DETAIL A OR B ON SDD 15C2-SHEET "a"

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

MATCH POINT

DETAIL F
DETOUR SIGNING



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". (30" X 15" 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 SHALL BE 30" X 24".
 - M4-8a SHALL BE 24" X 18".
 - G20-51 SHALL BE 60" X 24".
 - W20-2 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.

**DETOUR SIGNING FOR
MAINLINE CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

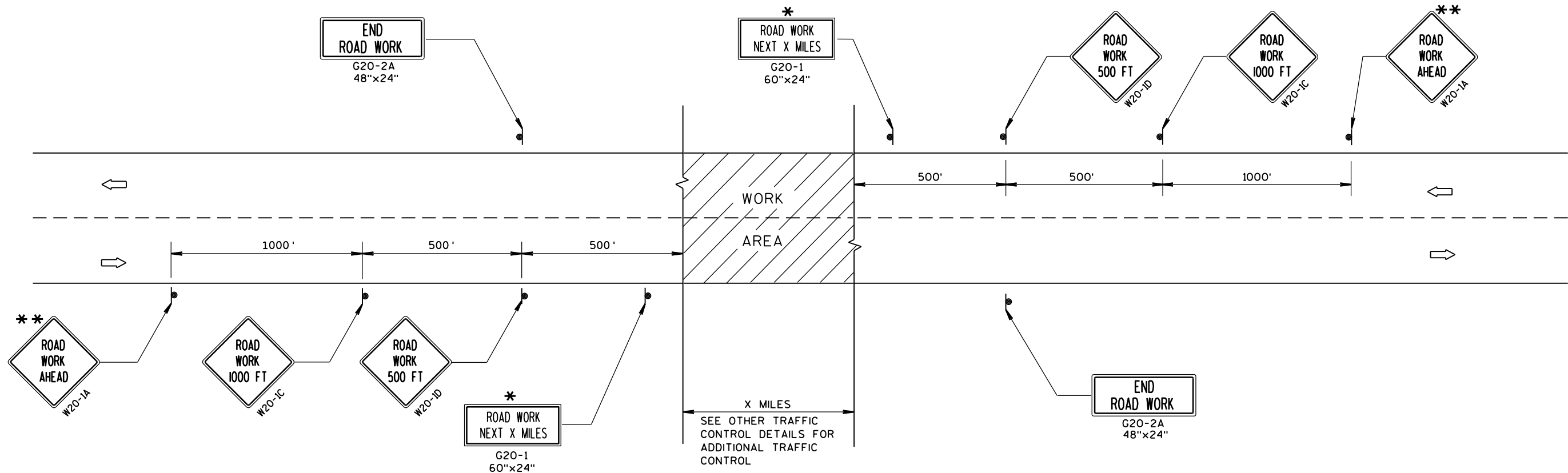
APPROVED
DATE Sept. 2015 /S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA



R11-4 AND R11-3 SHALL BE 60" X 30".

- | | |
|---|--|
|  | 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 Sept. 2015 DATE	/S/ Peter Amakobe Atepe STATEWIDE WORK ZO 65 SAFETY ENGR 71C
FHWA	



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

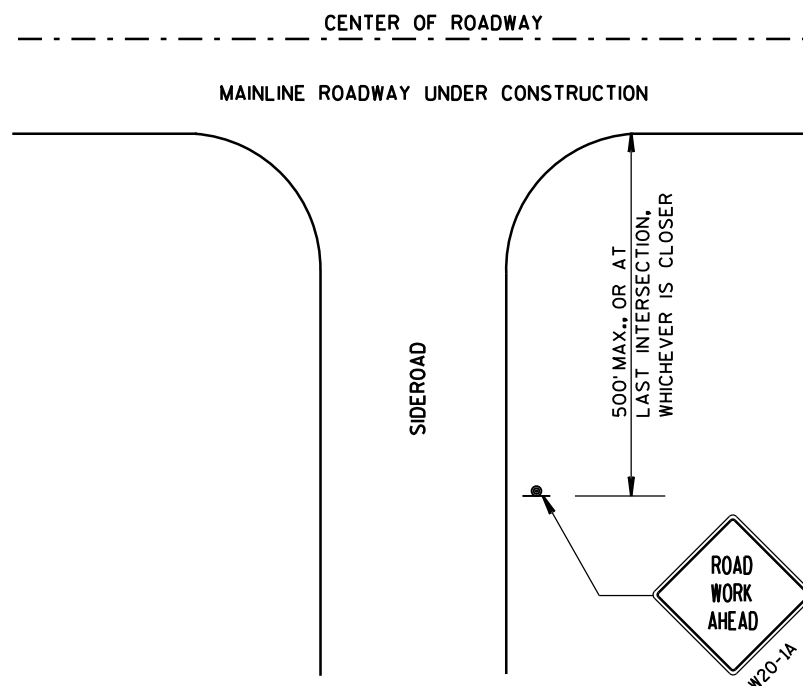
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 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 RE-ESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

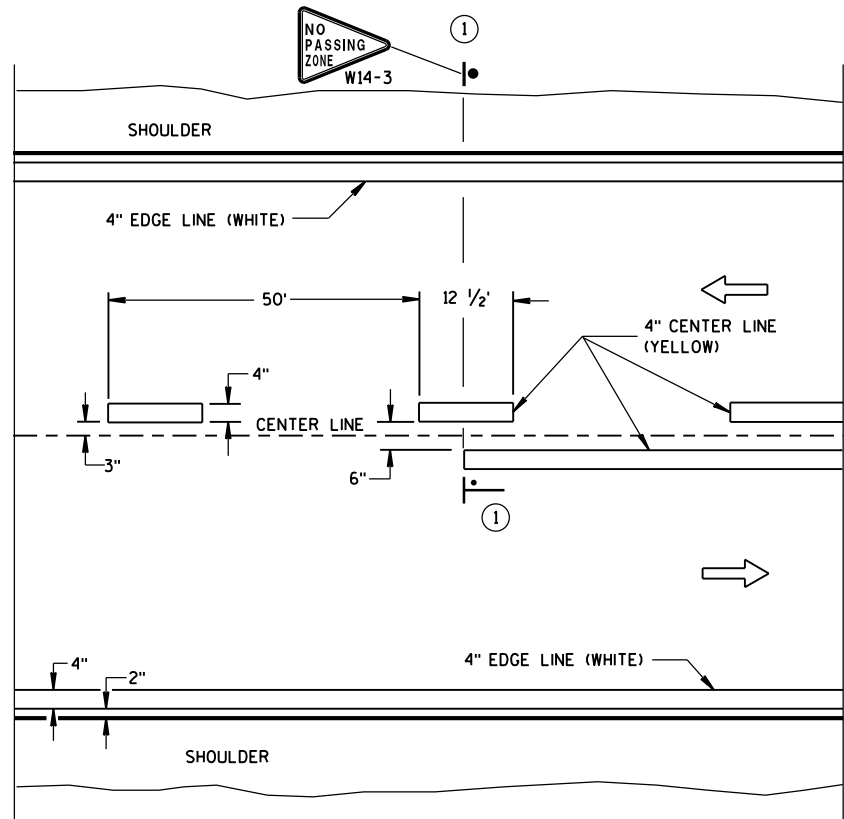
** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



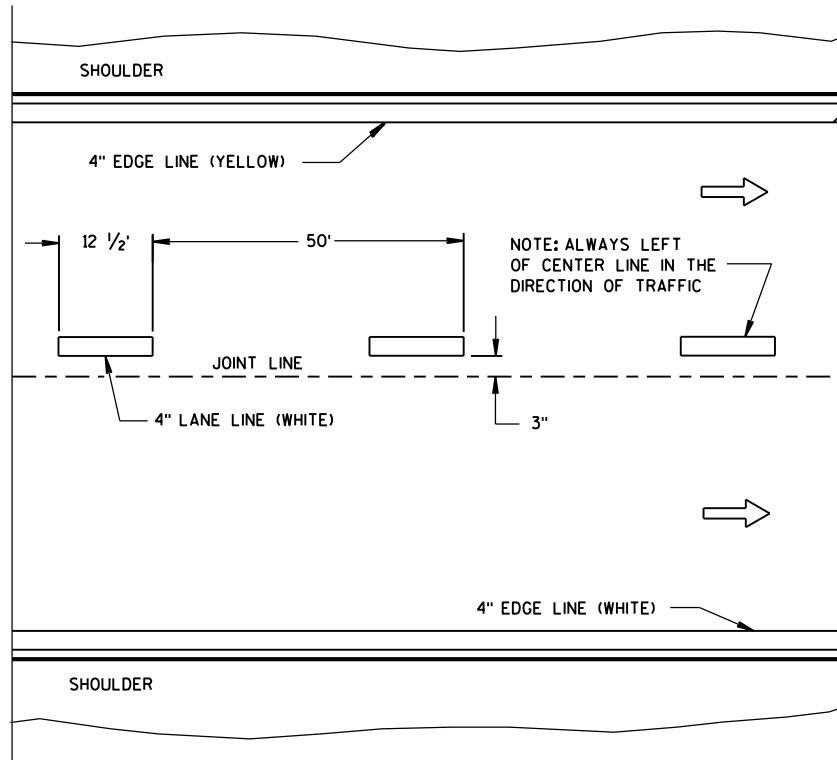
LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
APPROVED	/S/ Peter Amokobe Atepe		
DATE	STATEWIDE WORK ZONE	66	IC
FHWA	SAFETY ENGINEER		

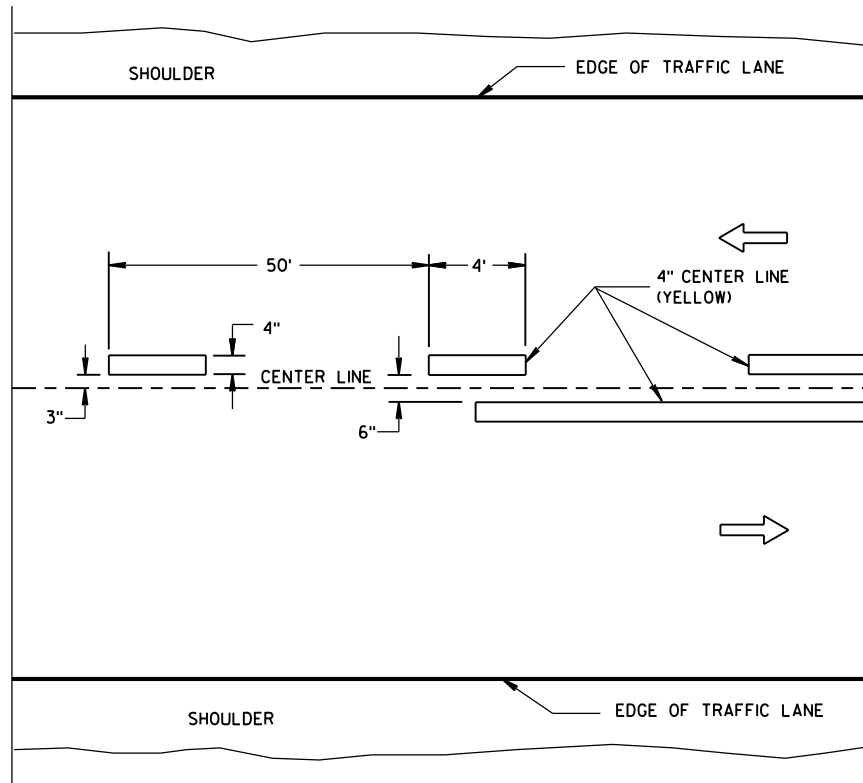


TWO WAY TRAFFIC

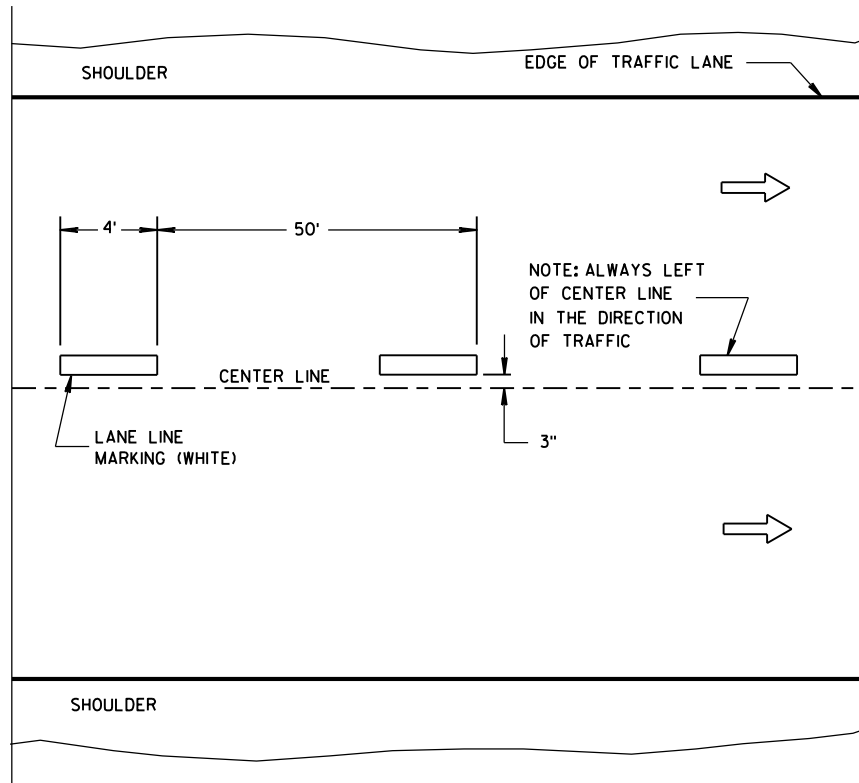


ONE WAY TRAFFIC

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 NO PASSING ZONE W14-3 SIGN SHALL BE LOCATED WITHIN 50 FEET OF THE "T" MARKING.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

LEGEND

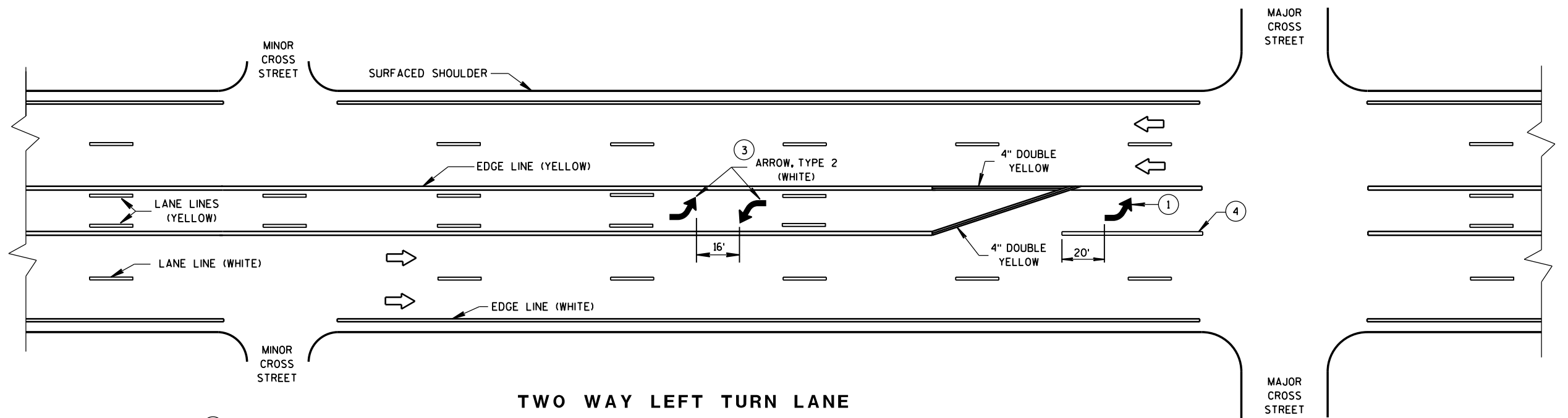
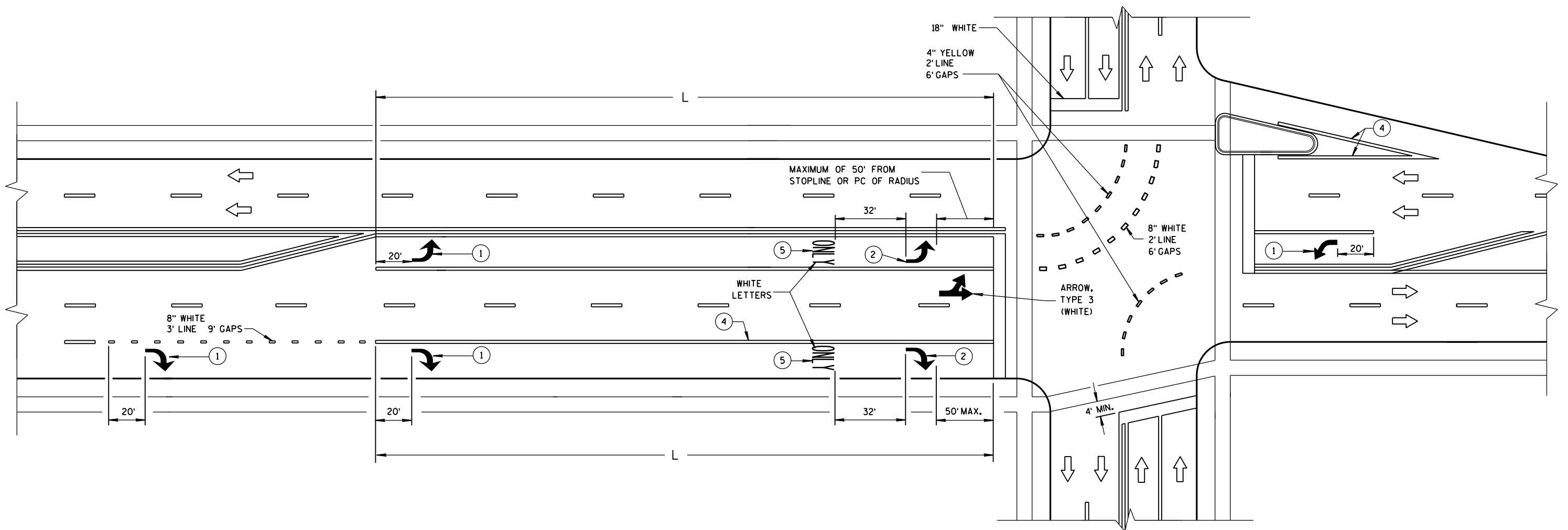
—●—"T" MARKING

● POST MOUNTED SIGN

LONGITUDINAL MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
DATE Sept., 2016 /S/ Matthew R. Rauch
STATE SIGNING AND MAP 67 ENGINEER
FHWA



GENERAL NOTES

- ① REQUIRED ARROW, TYPE 2 (WHITE).
- ② REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.
- ③ A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ④ 8" WHITE
- ⑤ REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

TWO WAY LEFT TURN LANE

NOTE:
ARROW SYMBOL (→)
SHOWS DIRECTION OF TRAVEL

L = LENGTH OF TURN BAY

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



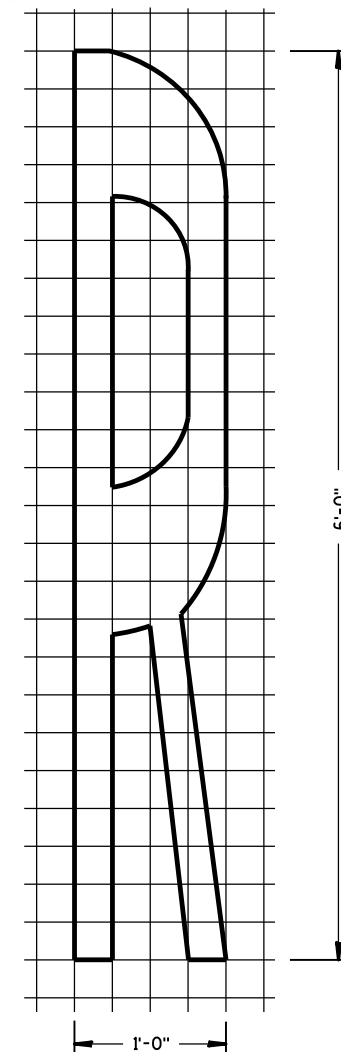
GENERAL NOTES

RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

- ① MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
- ② 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
- ③ FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150* - 250
30	200* - 300
35	250* - 450
40	300* - 500
45	400* - 650
50	550* - 800
55	750* - 1000
60	1000* - 1250
65	1000* - 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



FHWA

LEGEND

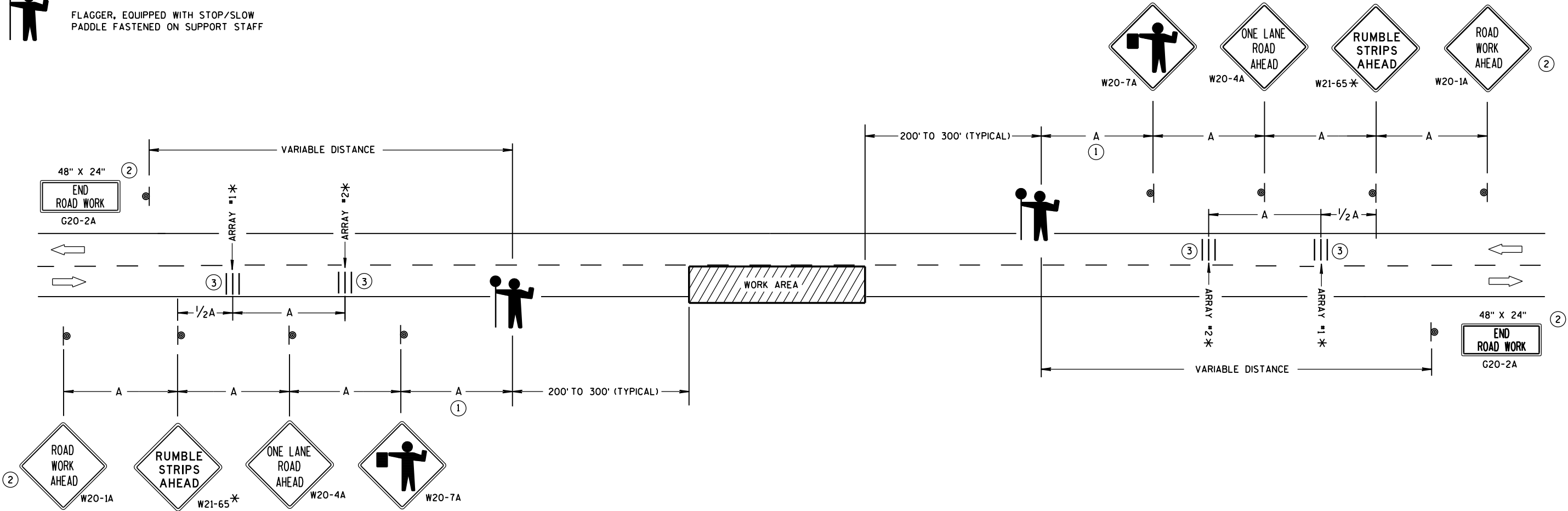
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" 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

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.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE 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.

"W0" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.

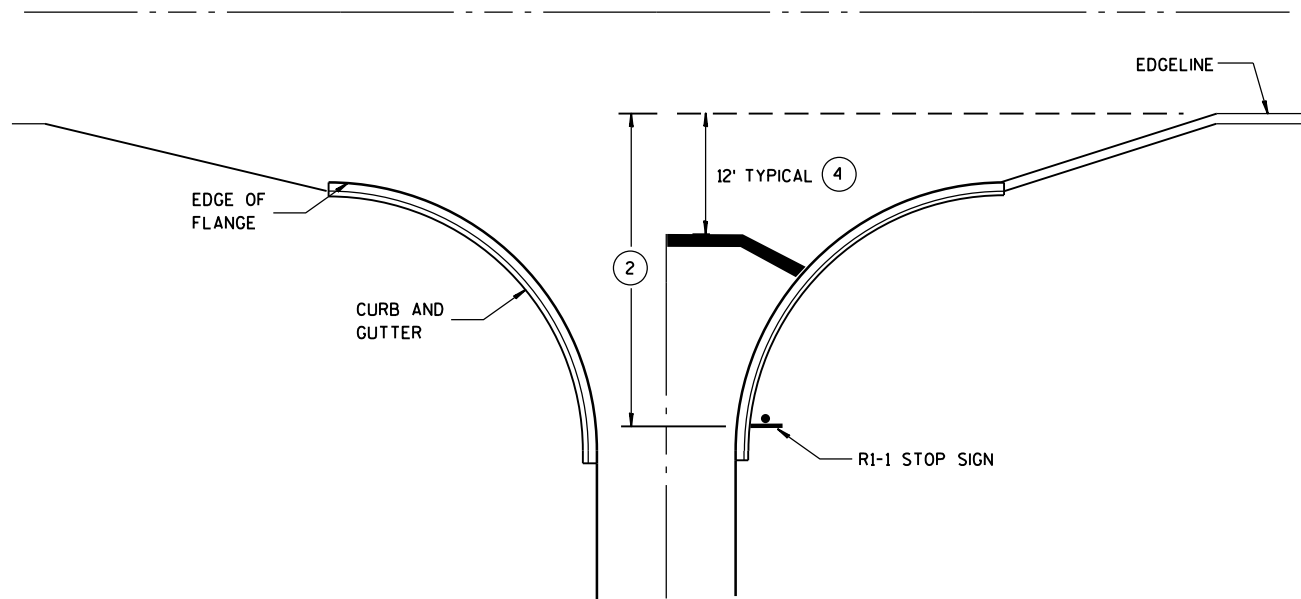
INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

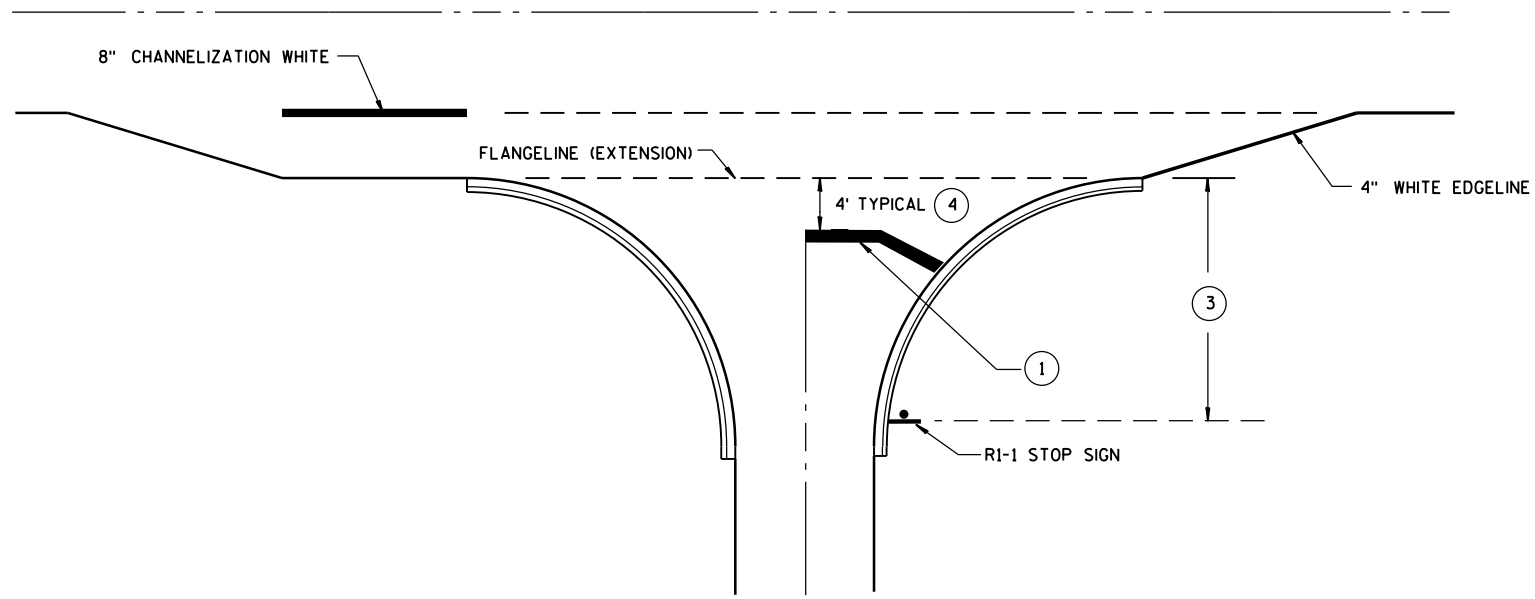
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- * UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.
- FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
 - SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
 - EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

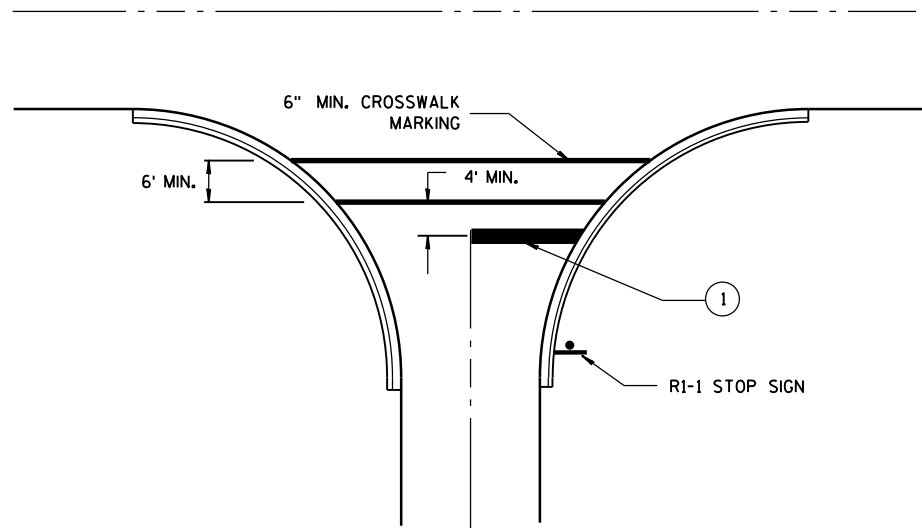
TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED December, 2016 DATE	/S/ Andrew Heldtke WORK ZONE ENC 70
FHWA	



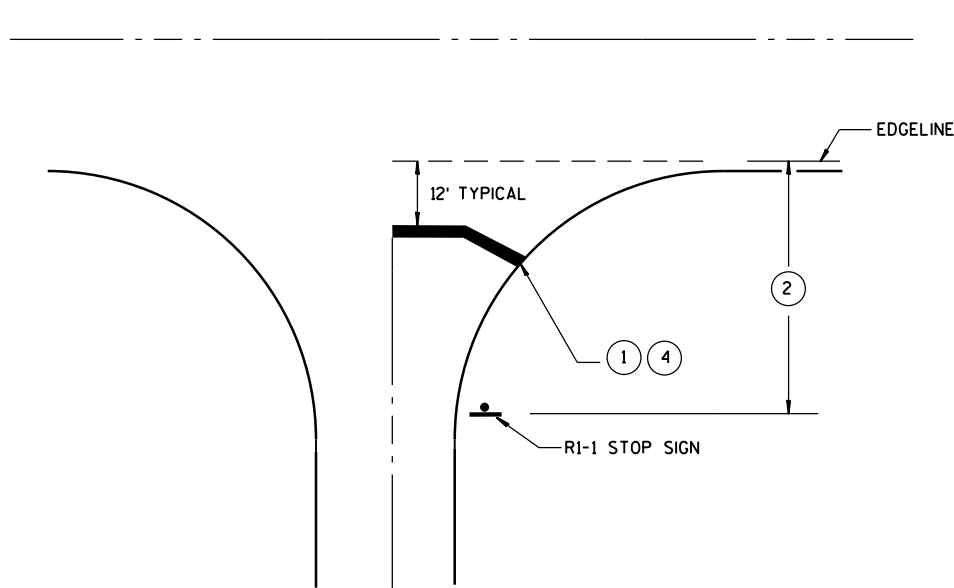
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER

GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGE LINE THAN NO STOP LINE IS REQUIRED.
- 3 IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- 4 MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

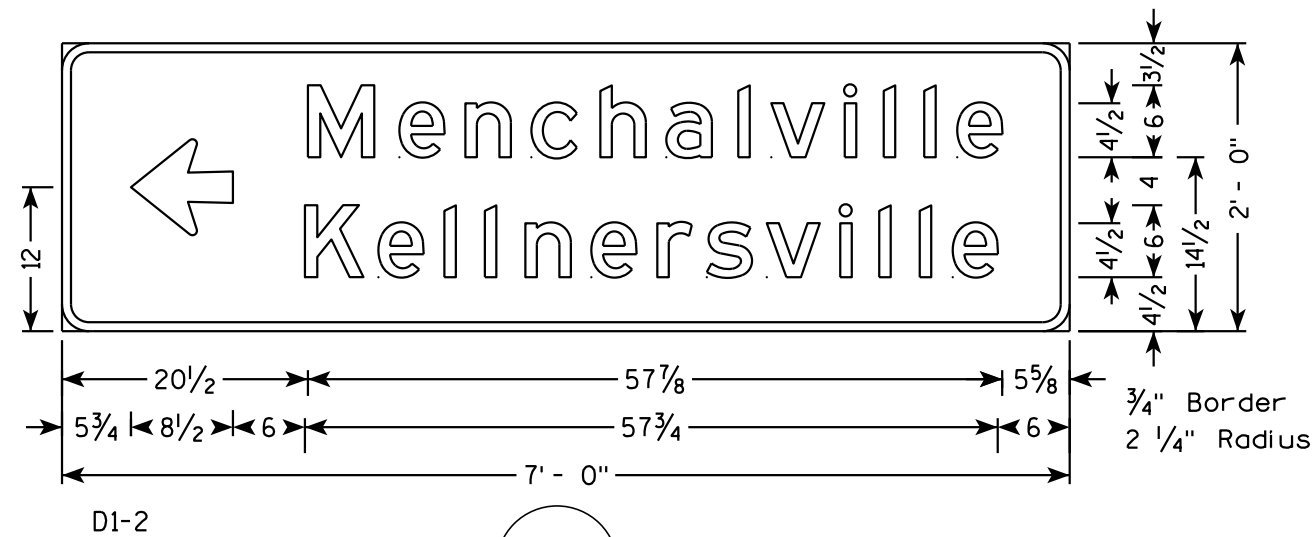
STOP LINE AND CROSSWALK
PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

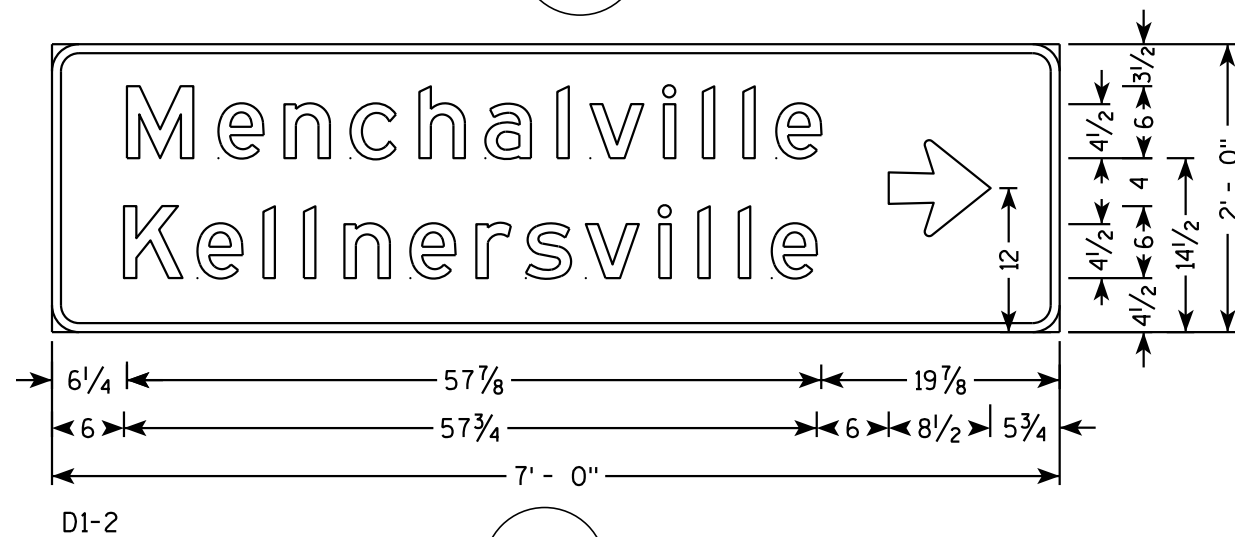
APPROVED
4-18-2016 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MAR 71 JEER
FHWA

NOTES

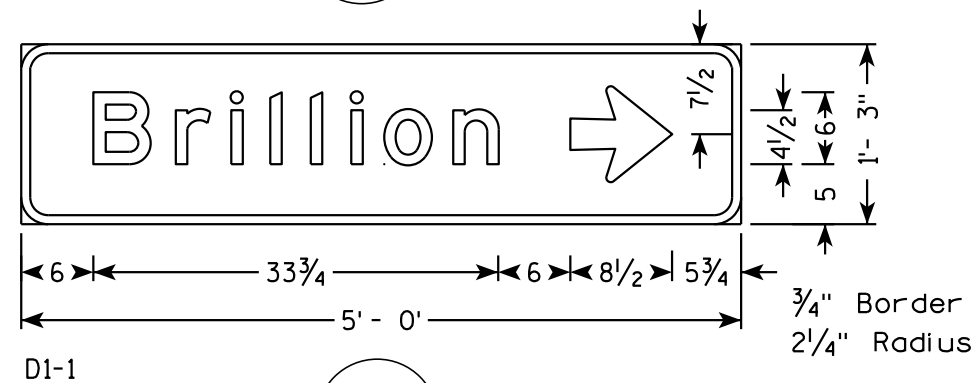
1. All Sign Type II - Type H Reflective
2. Color:
Background - GREEN
Message - WHITE
3. Message Series - E



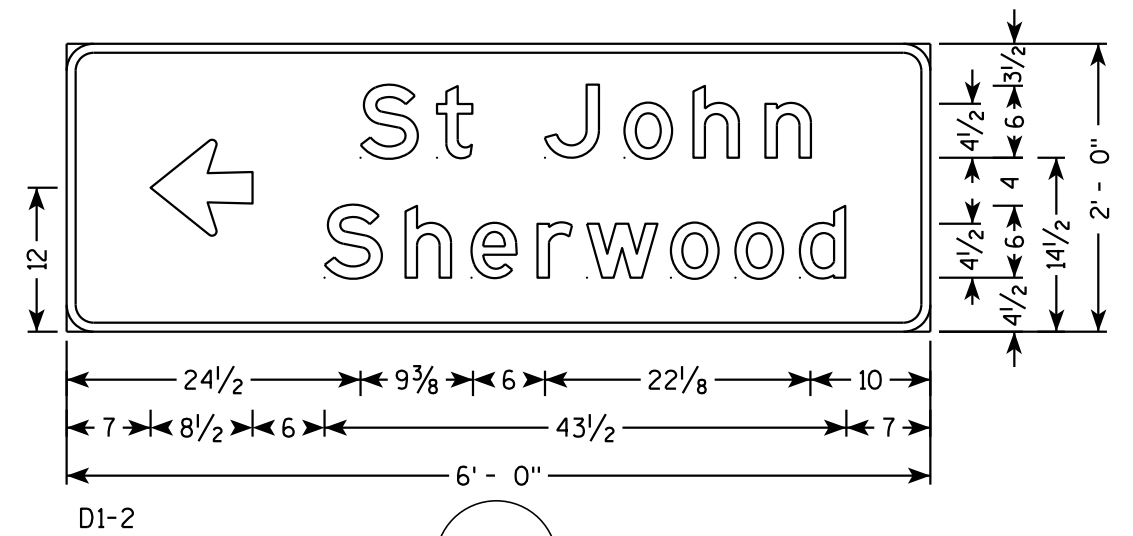
80



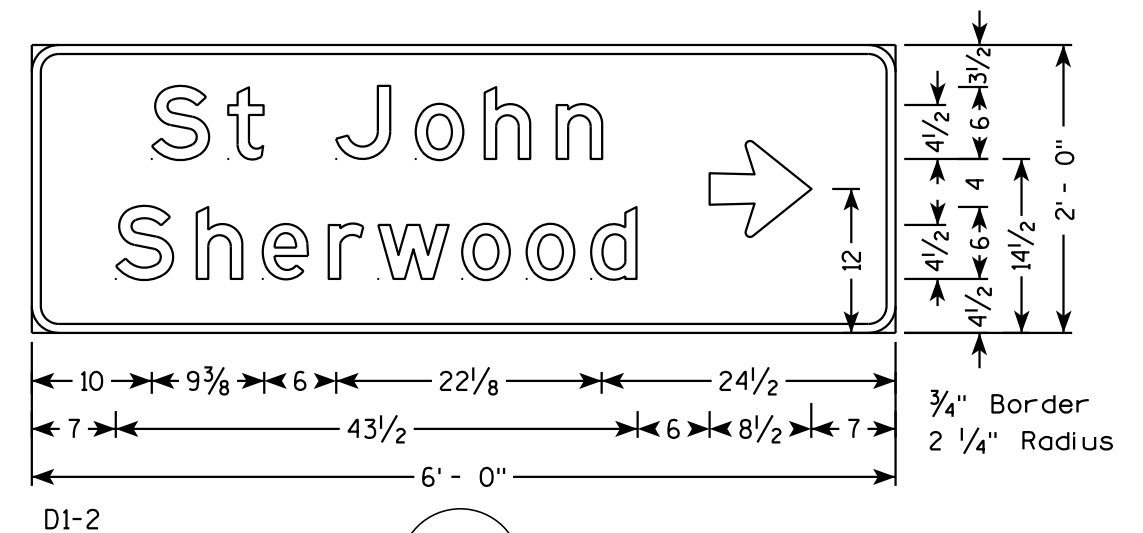
69



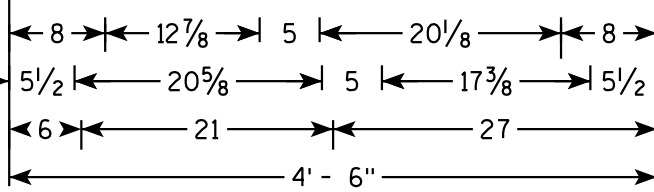
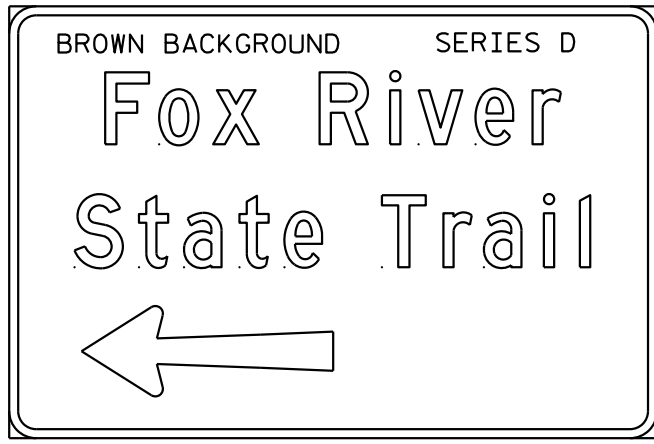
40



17

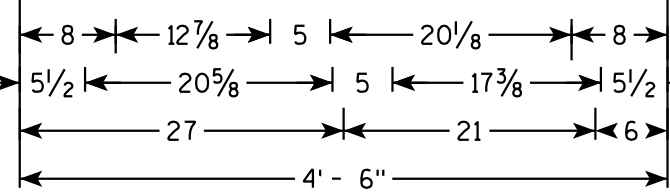
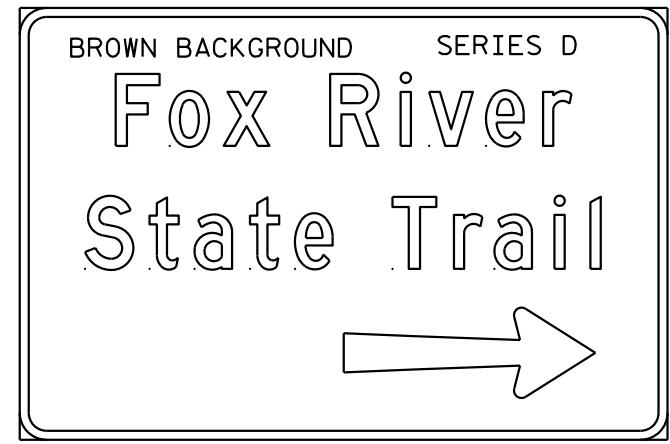


27



D7-95L

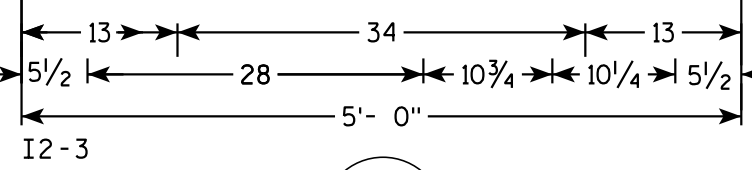
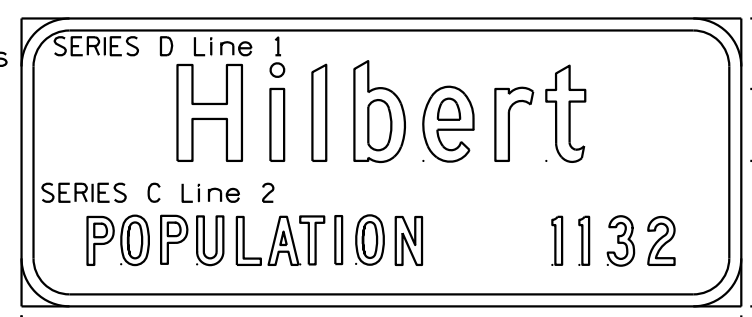
79



D7-95R

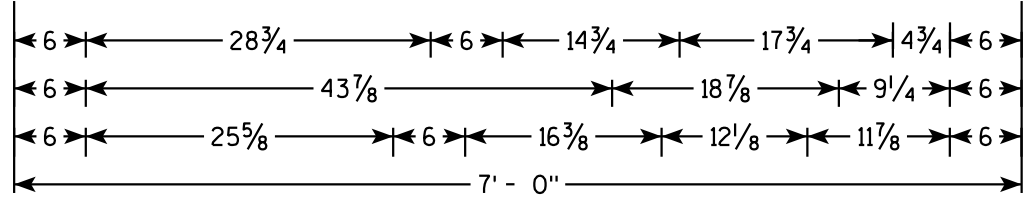
70

- NOTES
1. All Sign Type II - Type H Reflective
 2. Color:
Background - GREEN except as Shown
Message - WHITE
 3. Message Series - E except as Shown



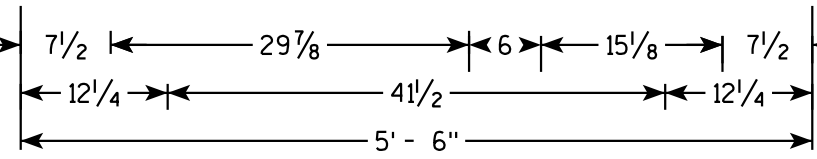
I2-3

2



D2-3

3

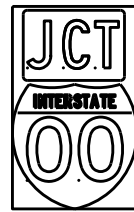


I2-3

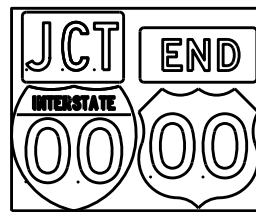
56

65

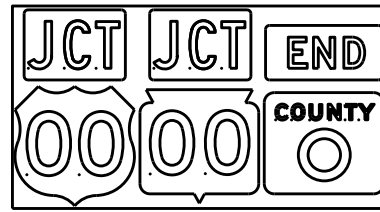
TYPICAL ASSEMBLIES



J1-1



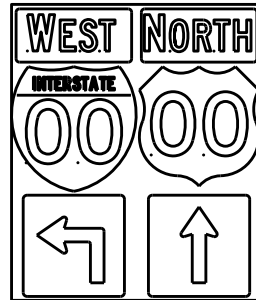
J1-2



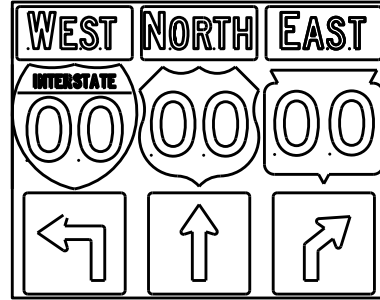
J1-3



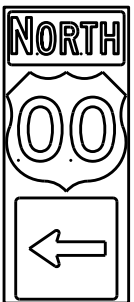
J2-1



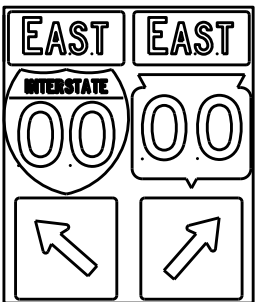
J2-2



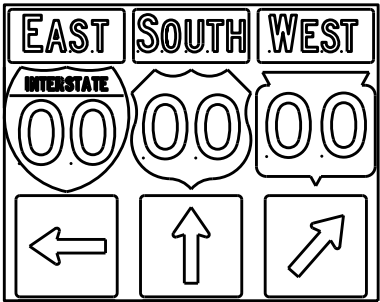
J2-3



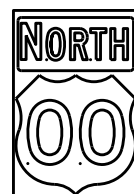
J3-1



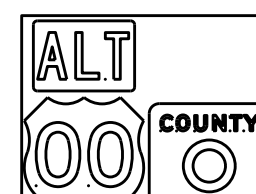
J3-2



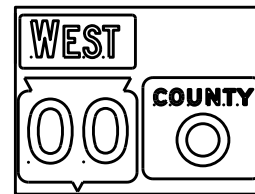
J3-3



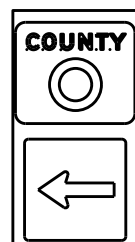
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



J23-1

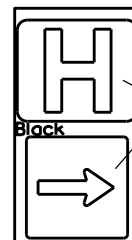


J22-1



JV

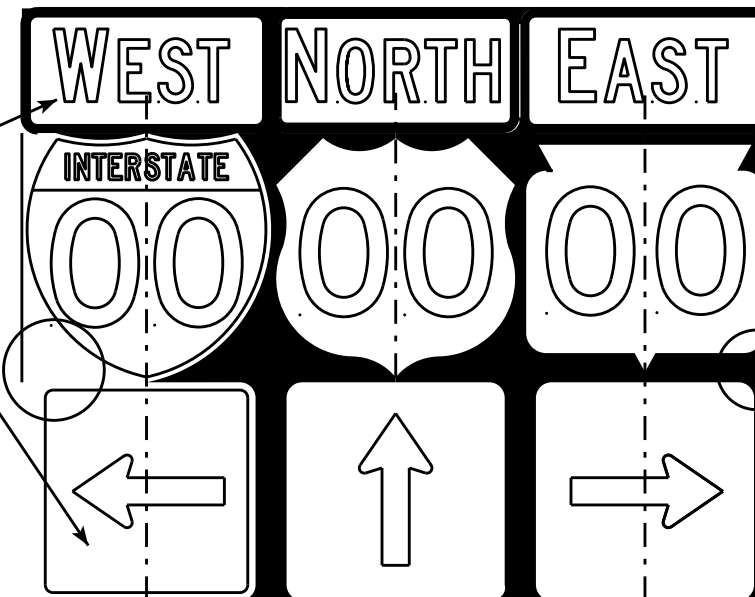
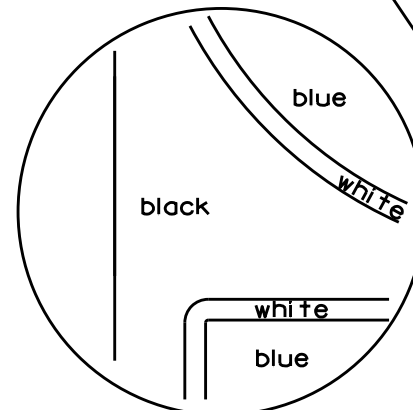
(Typical Vertical J-Assembly
See Note 10 and 11)



JH-1

Blue Background

[blue background
with interstate]



[black background]

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

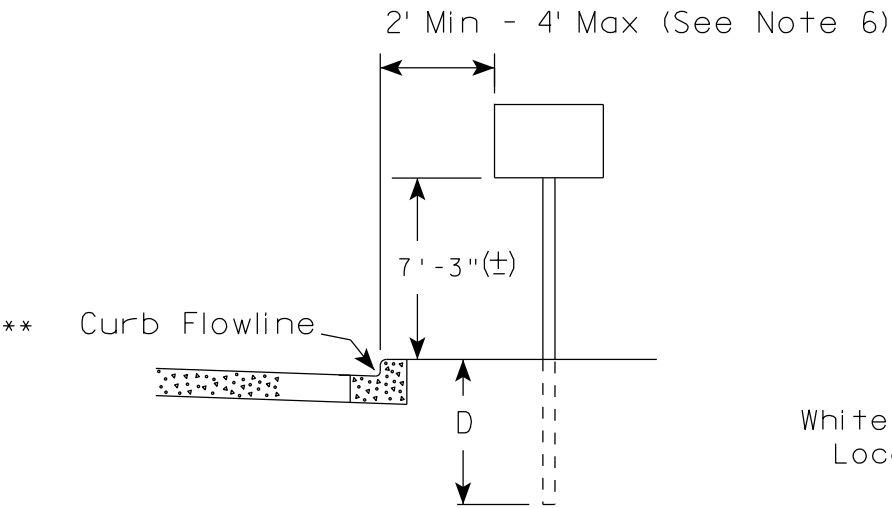
DATE 2/06/14 PL 74 A2-1S.8

SHEET NO: E

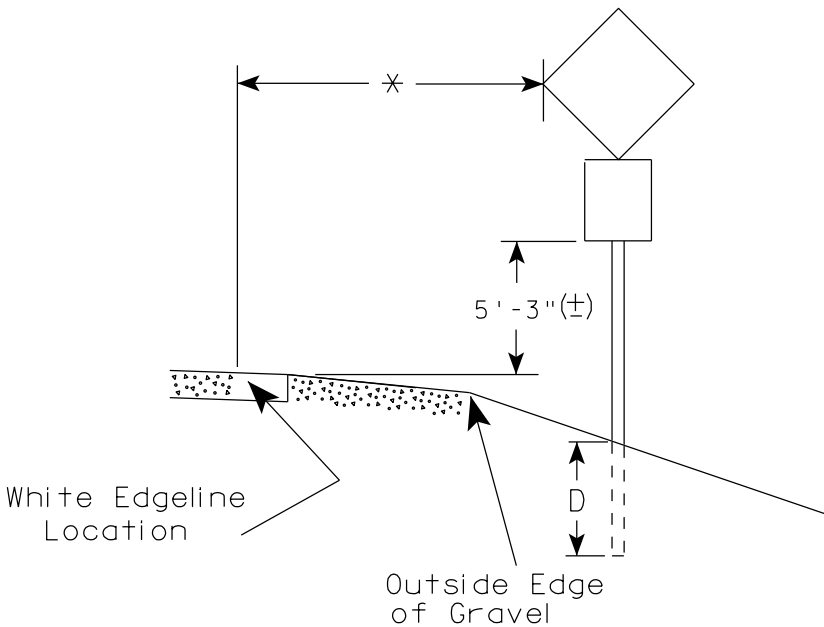
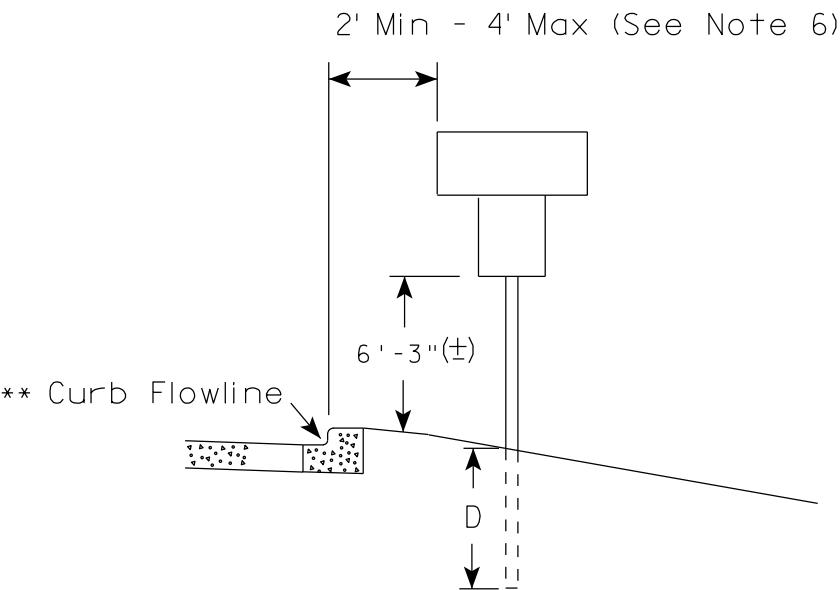
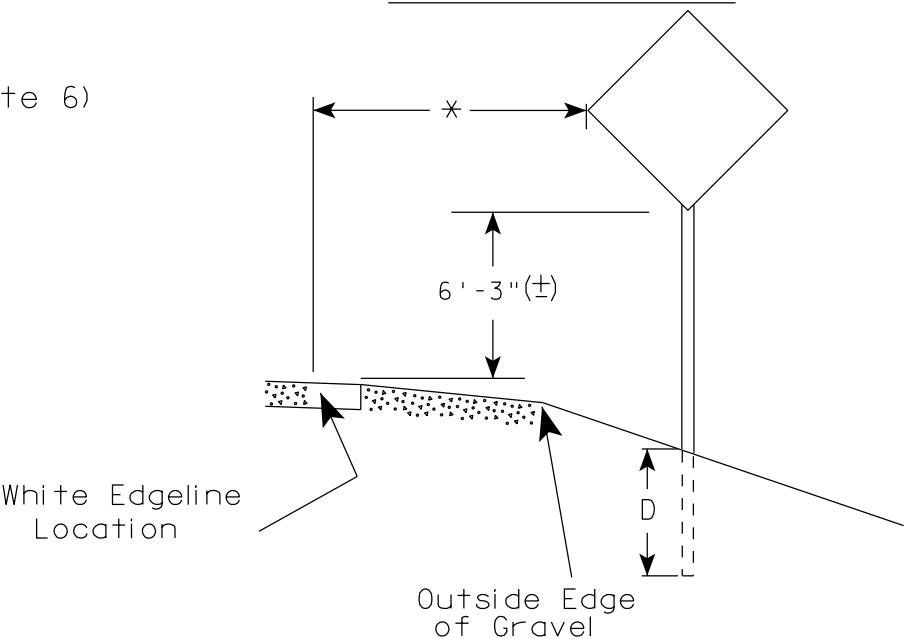
NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 inches (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.

URBAN AREA



RURAL AREA (See Note 2)



POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

×× 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.

GENERAL NOTES

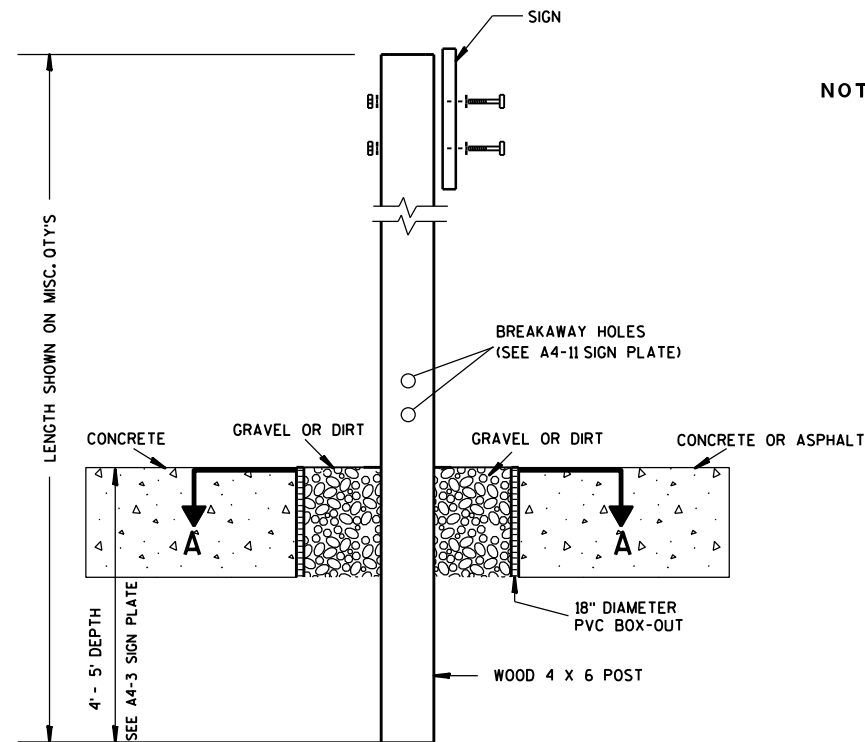
1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.
9. 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), 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" (±).

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

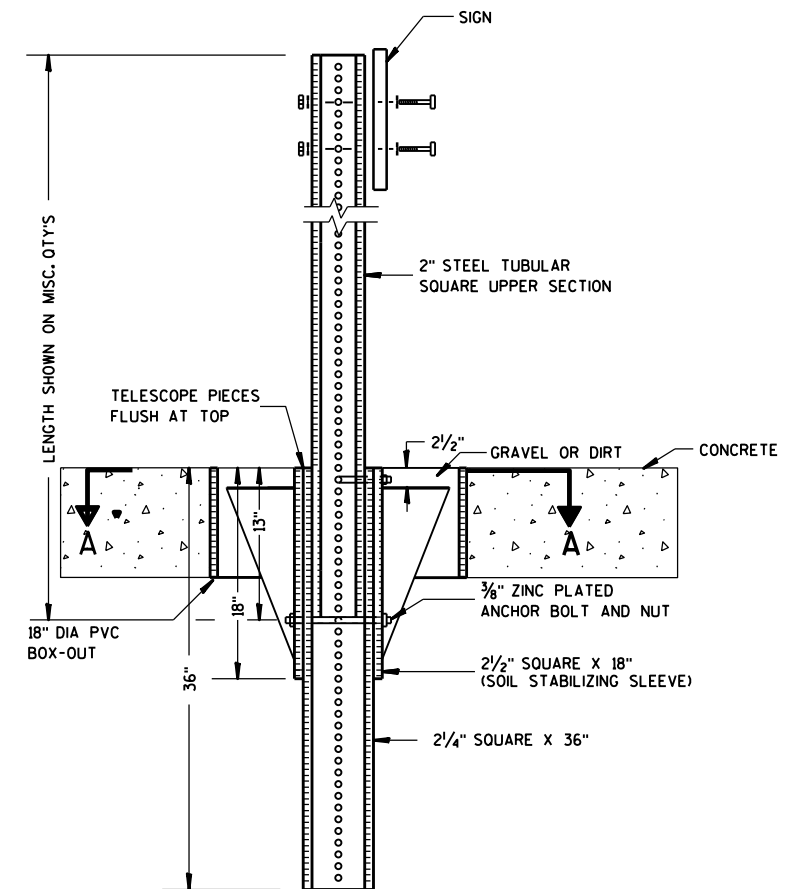
DATE 7/23/15 PLATE NO. A4-3.20
75



ELEVATION VIEW

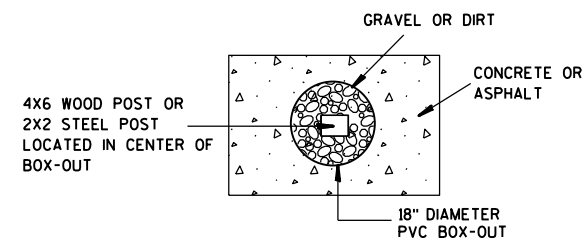
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- 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 PLAT 76 A4-3B.1

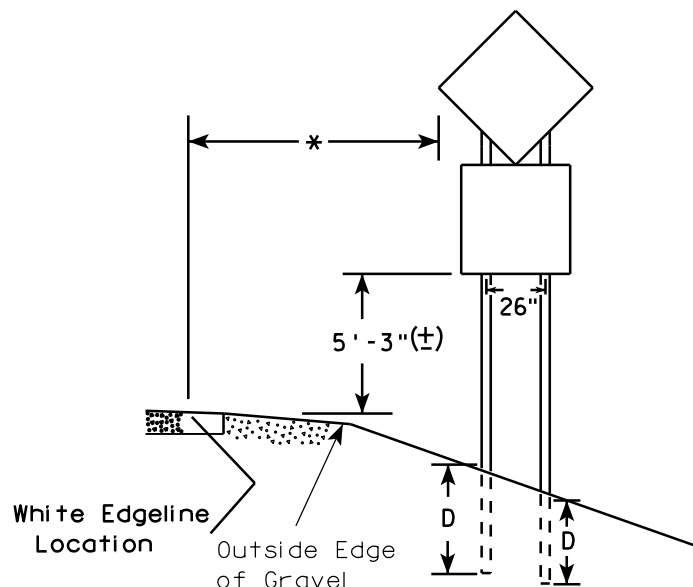
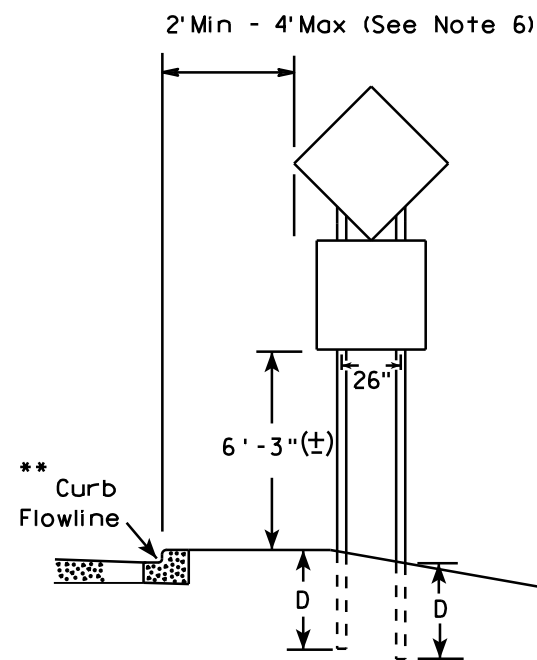
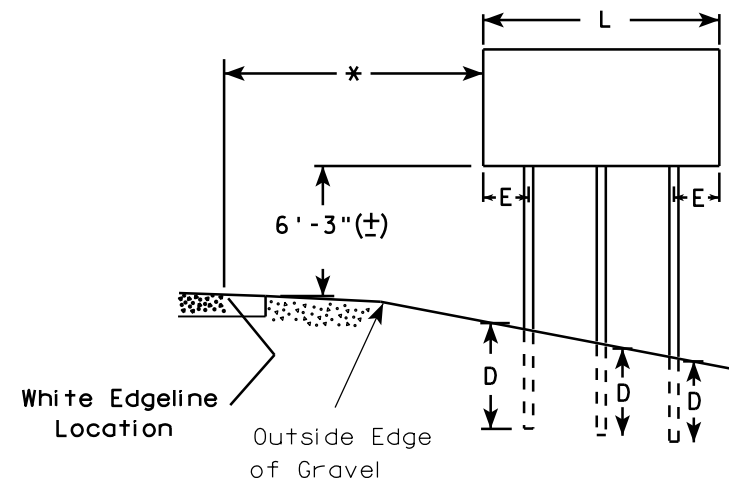
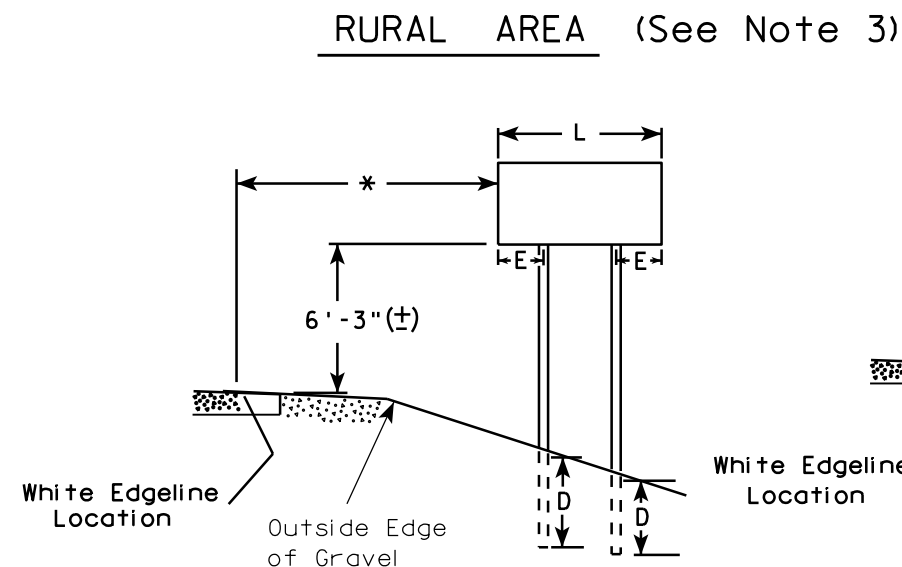
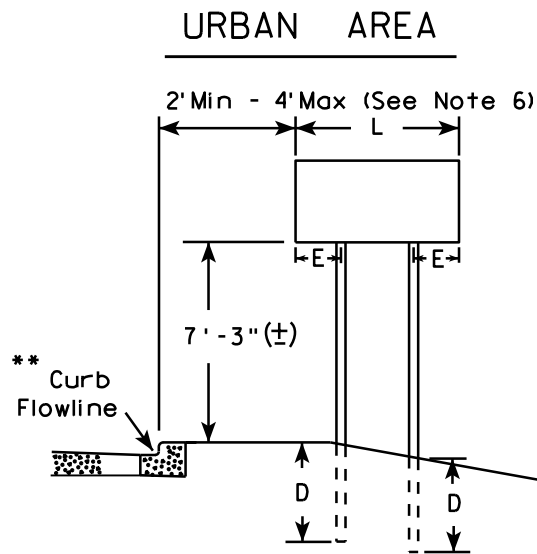
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



48" DIAMOND WARNING SIGN

48" DIAMOND WARNING SIGN

- 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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
 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.

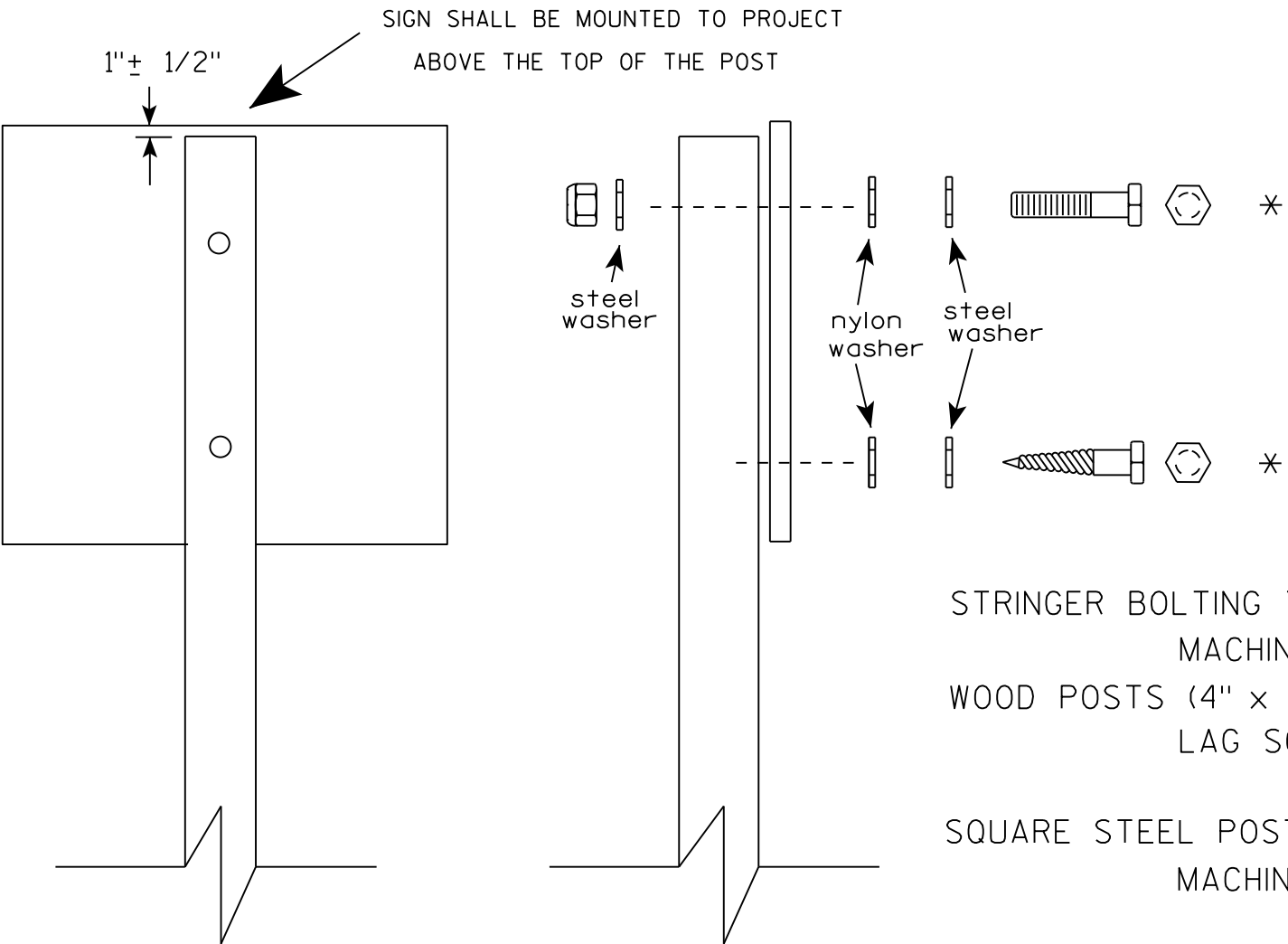
SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

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'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 7/23/15	PLATE NO. ^{AA-A} 14 77



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.

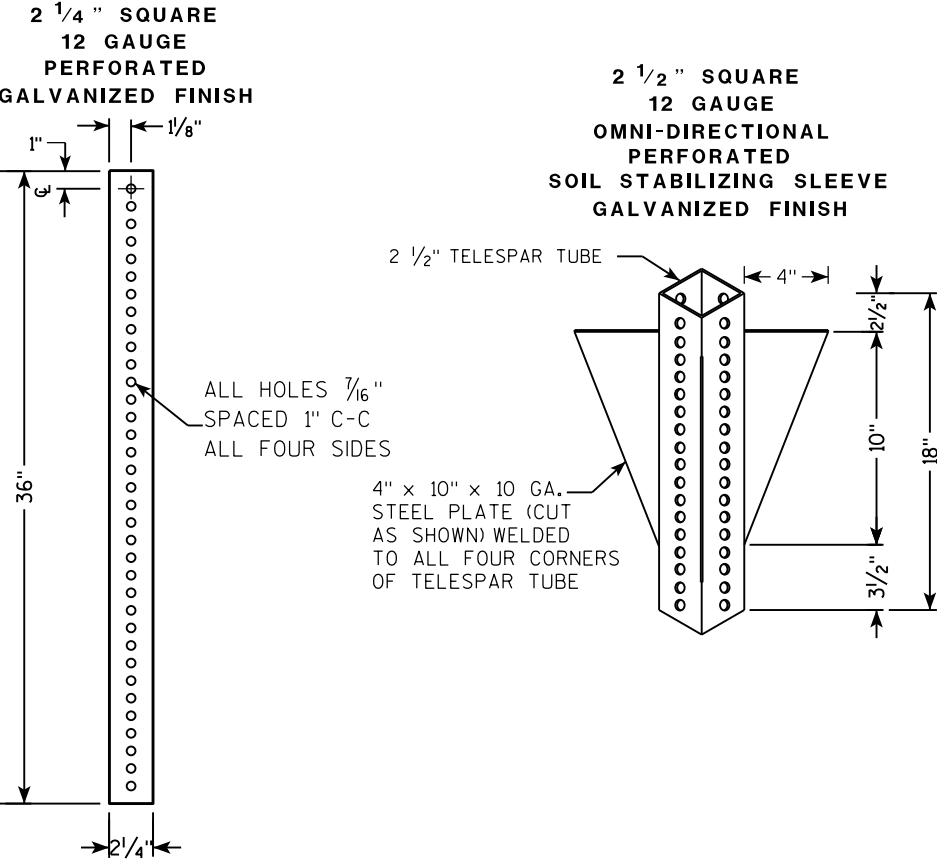
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- 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 4" or 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

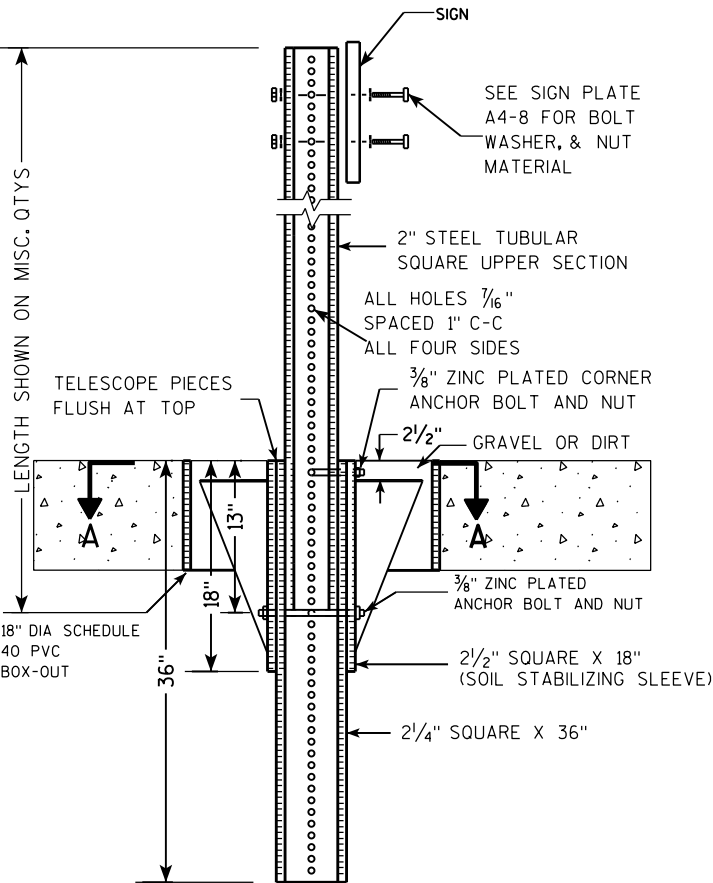
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 8/11/16	PLATE NO. A4-8.8 78

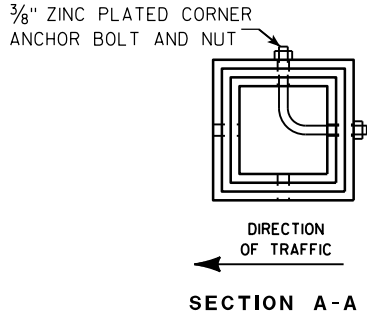
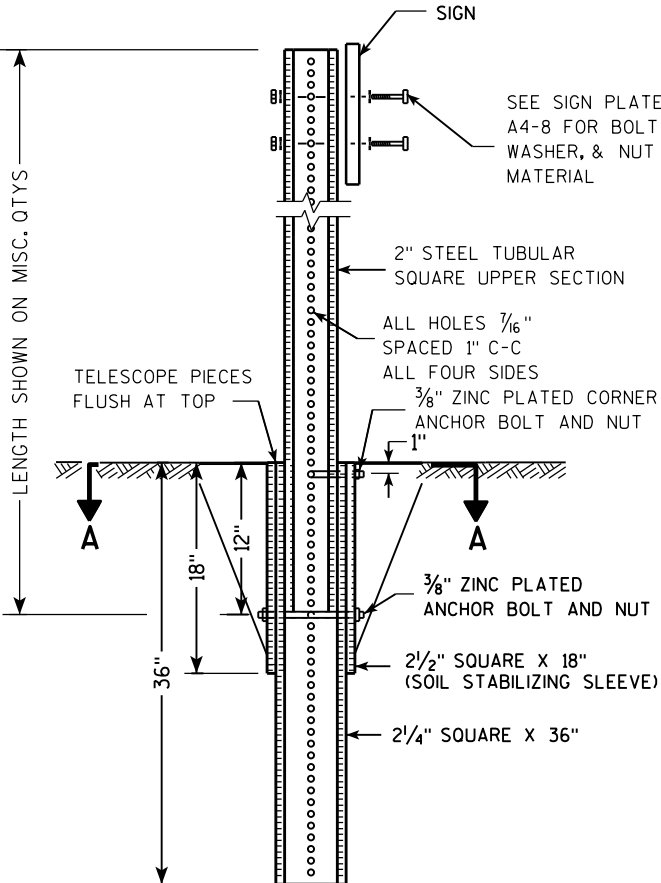
TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM



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)



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

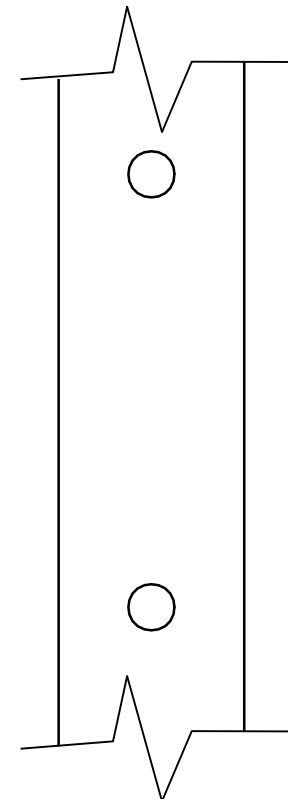
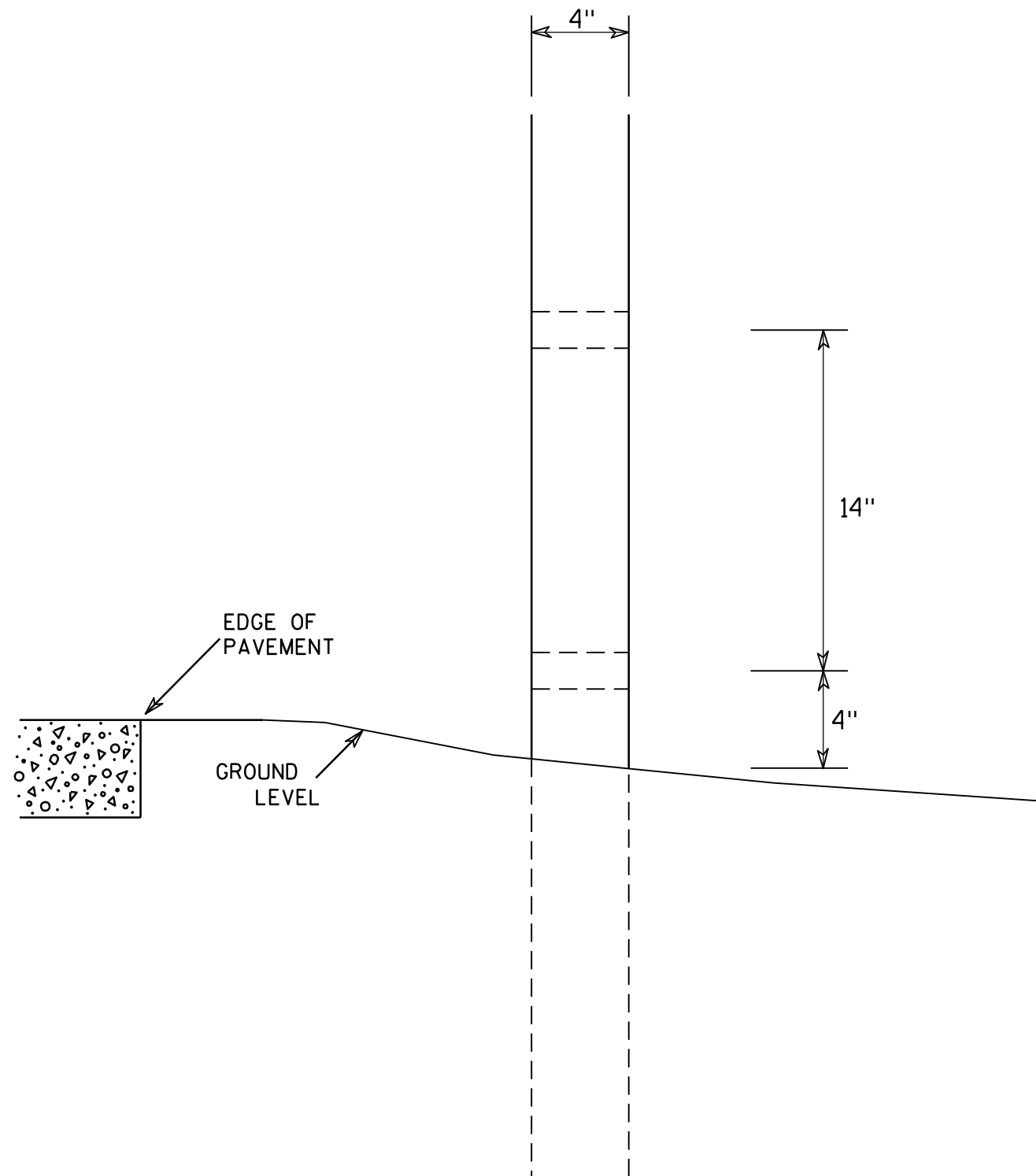
Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/05/15 PLAT 14-9.9



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

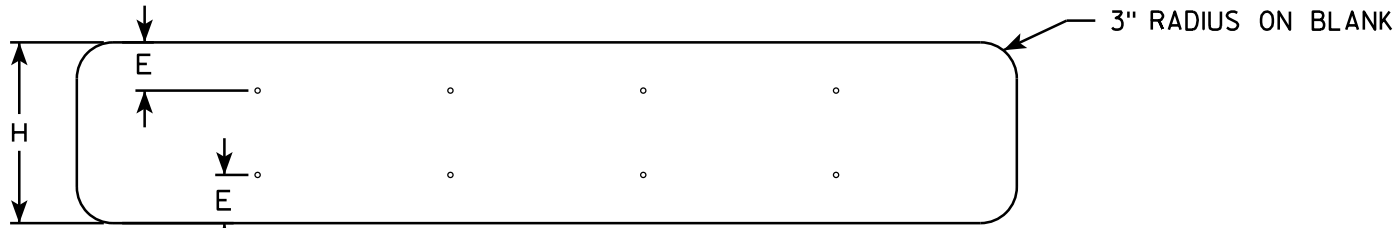
PROJECT NO:

HWY:

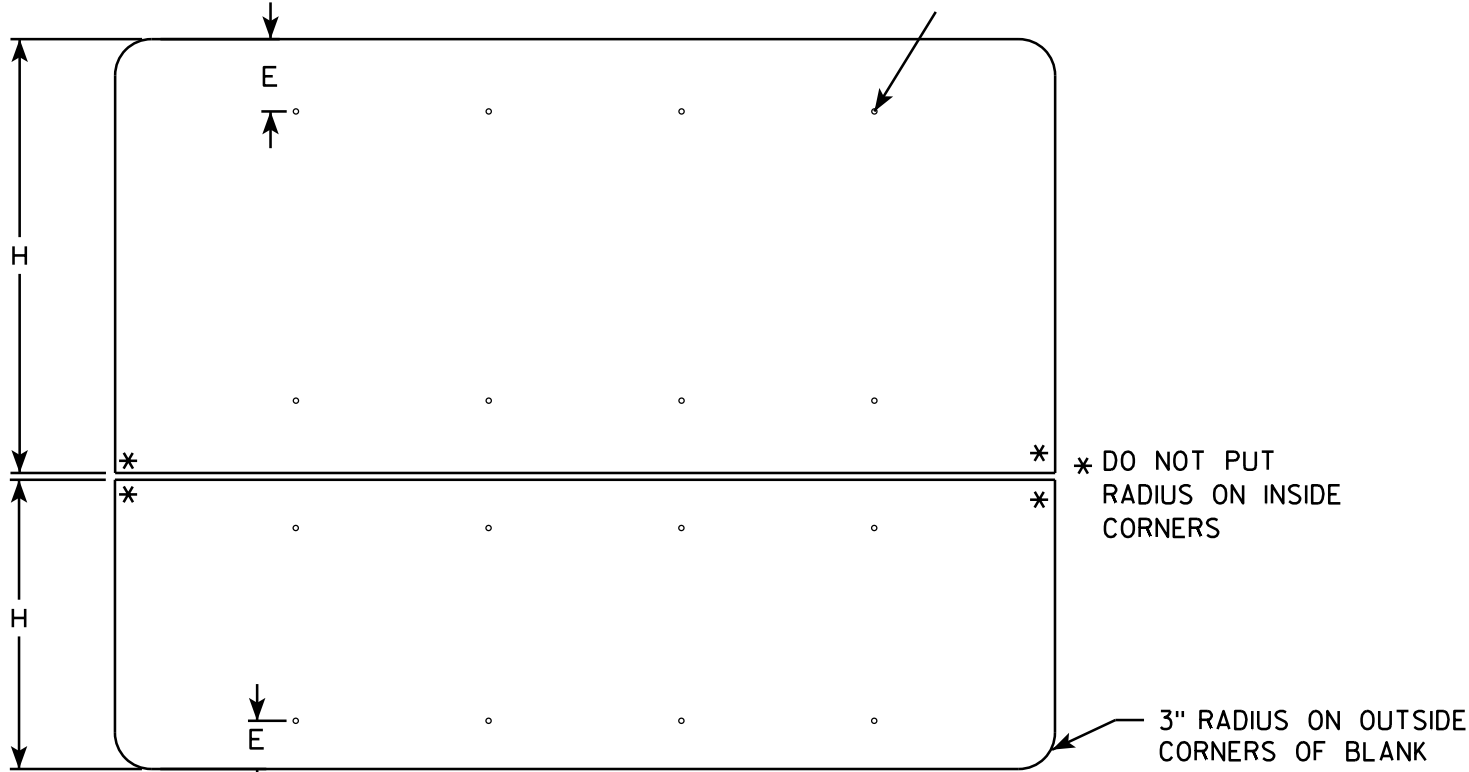
COUNTY:

SHEET NO: 80

E



SINGLE PIECE ALUMINUM SIGN 1/16" MOUNTING HOLES

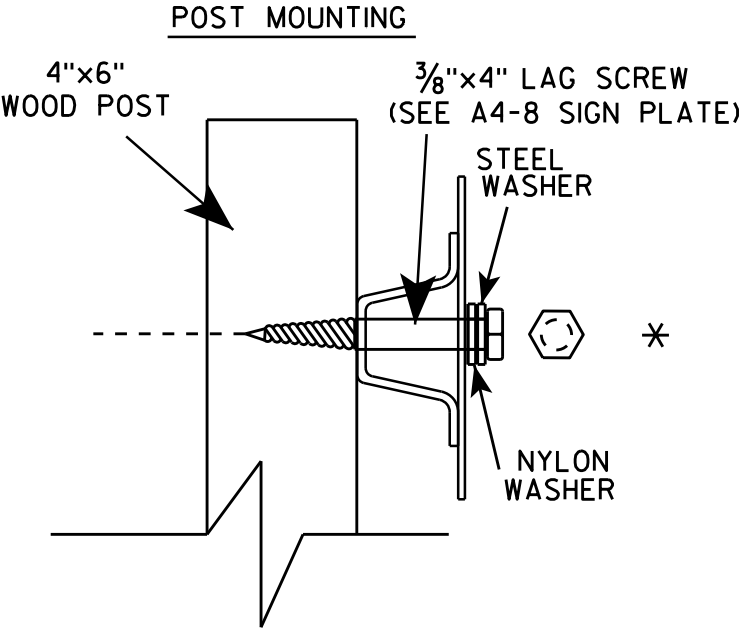
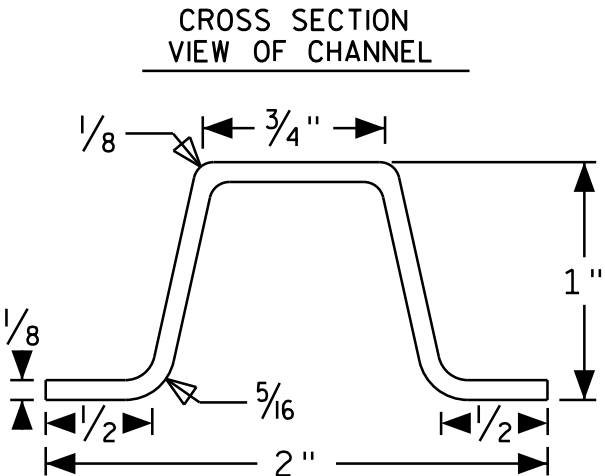
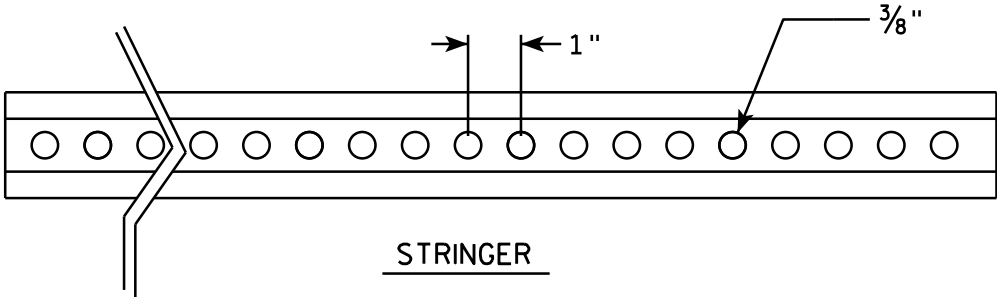


MULTI-PIECE ALUMINUM SIGN

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"	16 1/2"	33 1/2"	50 1/2"	67 1/2"
90"	72"	2	18"	18"	36"	54"	72"
96"	90"	2	19"	19 1/2"	38 1/2"	57 1/2"	76 1/2"
102"	90"	2	20"	21"	41"	61"	81"
108"	90"	2	21"	22 1/2"	43 1/2"	64 1/2"	85 1/2"
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"



SIGN STRINGER
MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

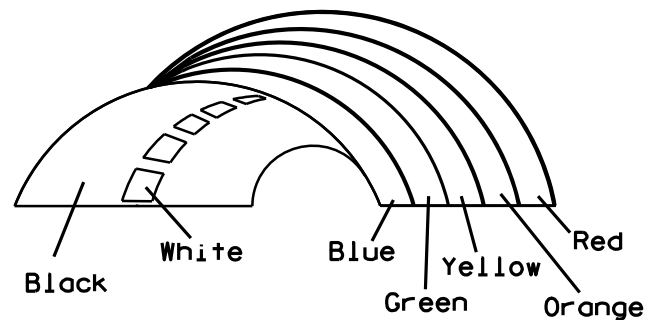
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/26/16 PLATE No. A4-18.1
81



* VARIES

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - (See Note 5)
3. Message Series - (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. Border - Blue
Line 1 - Red
Line 2 - Black
Line 3-5 - Blue
6. Line 1 - Dutch 8011L
Line 2 - Series E
Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign 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																											
2	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

PROJECT NO:

HWY:

COUNTY:

SHEET NO: 82

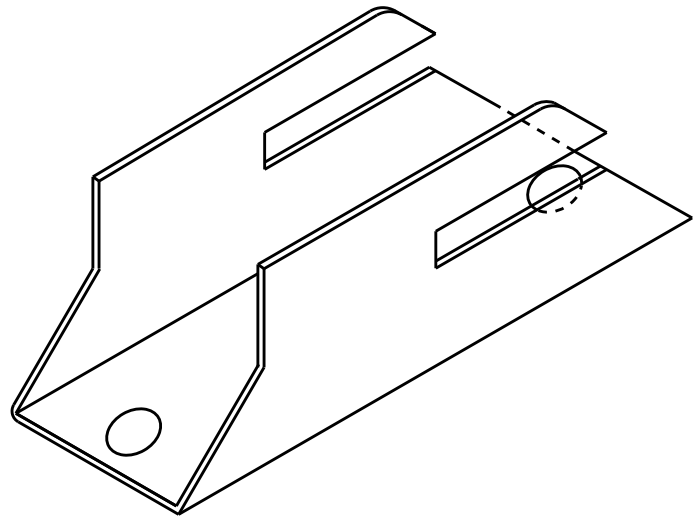
STANDARD SIGN
I55-56

WISCONSIN DEPT OF TRANSPORTATION

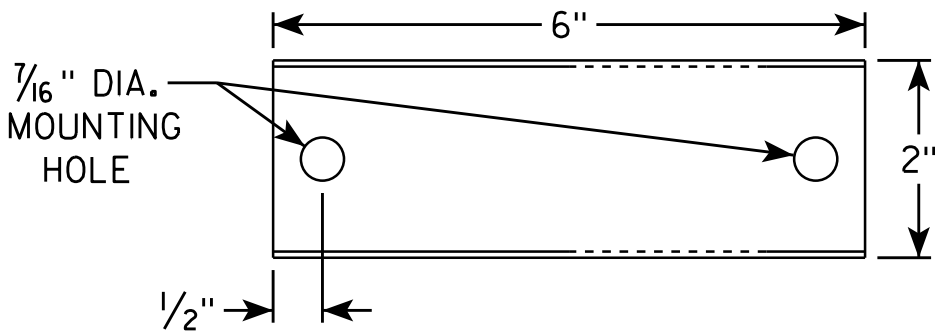
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/27/11 PLATE NO. I55-56.3

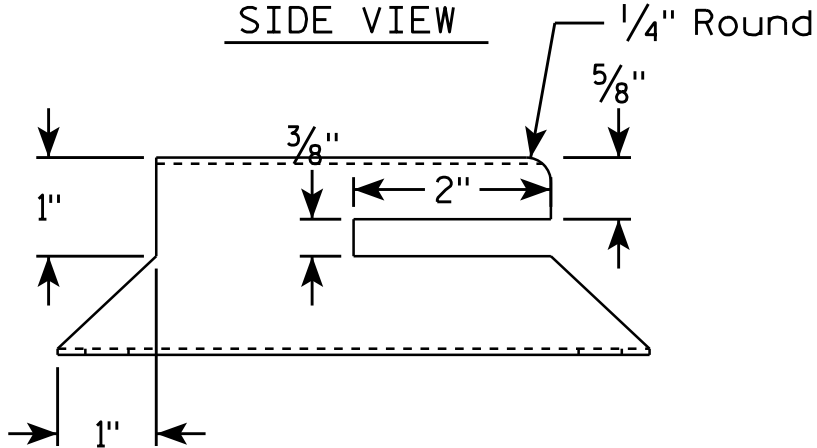
ISOMETRIC VIEW



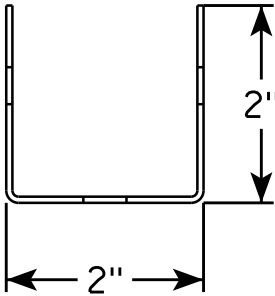
TOP VIEW



SIDE VIEW



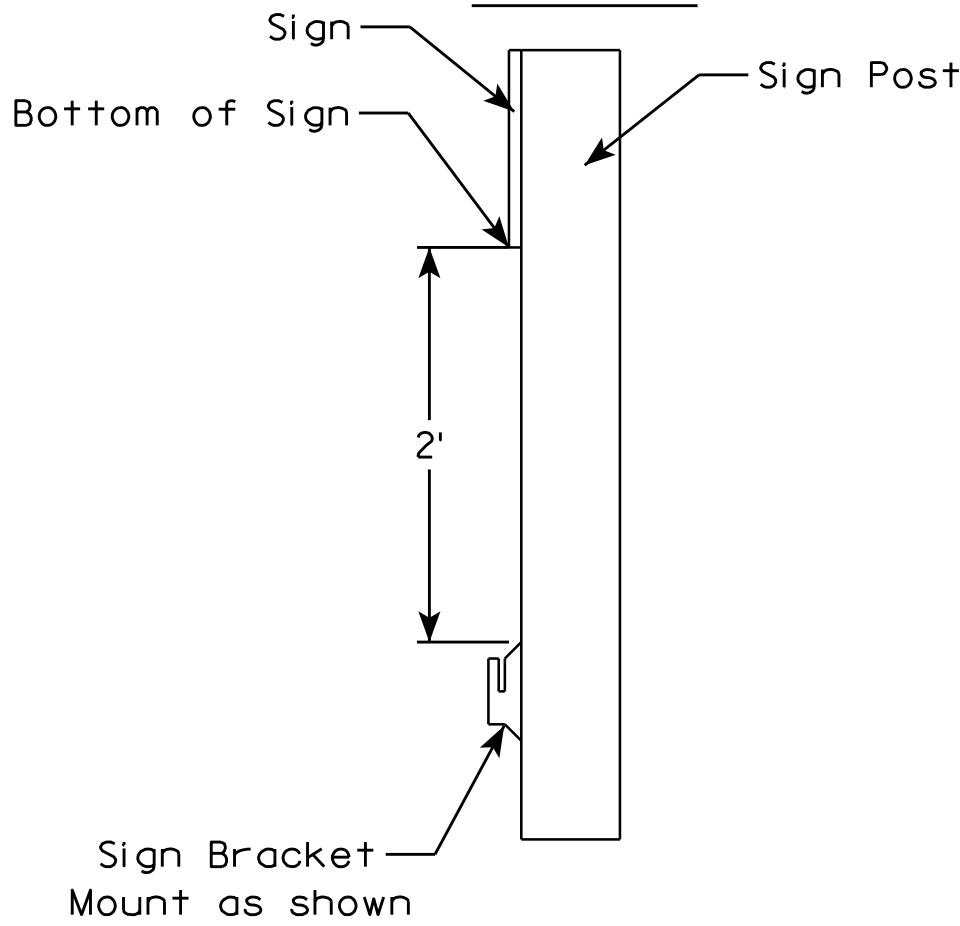
END VIEW



NOTES

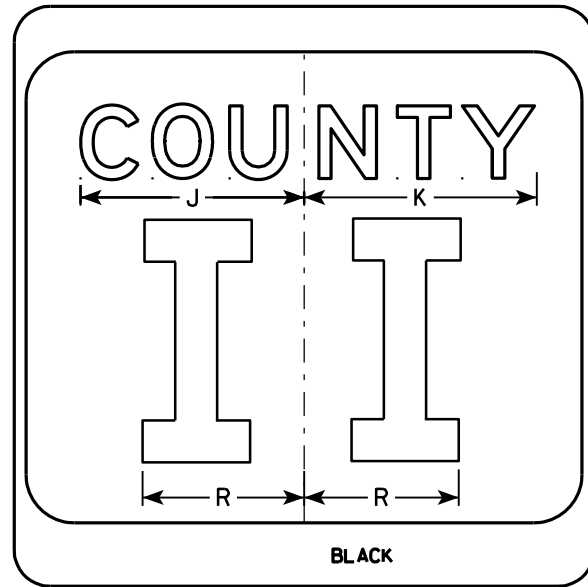
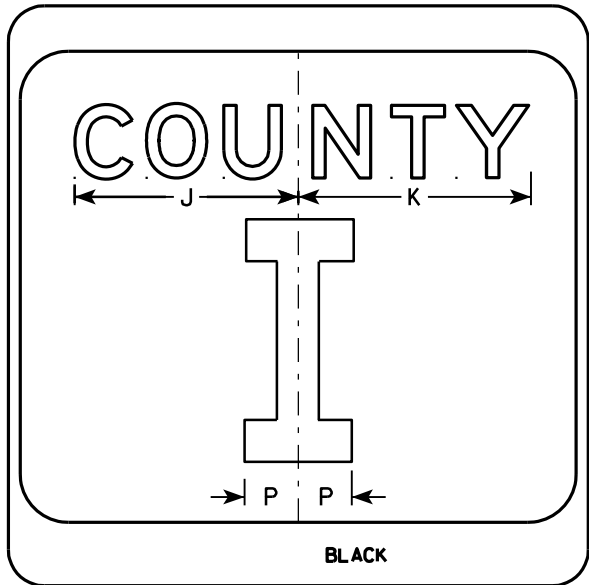
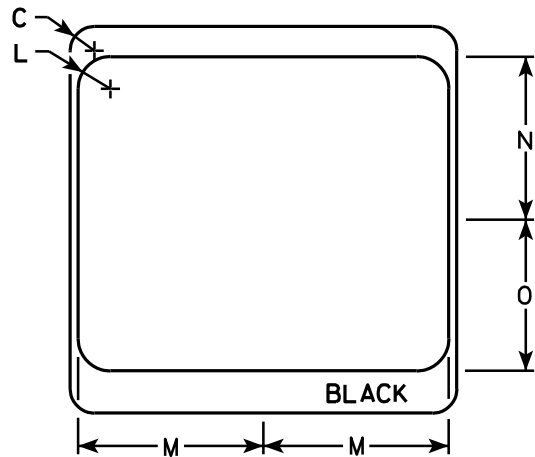
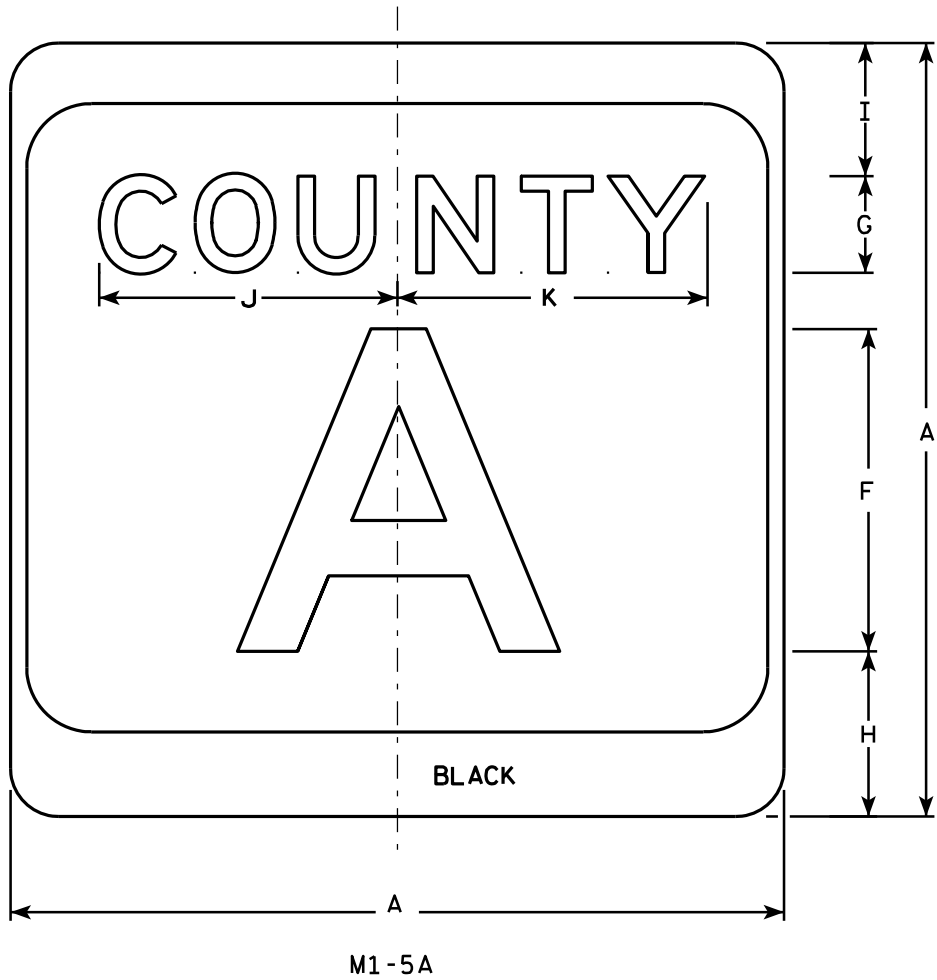
1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET I55-56B	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 4/26/16	PLA 83 I55-56B.2

7



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

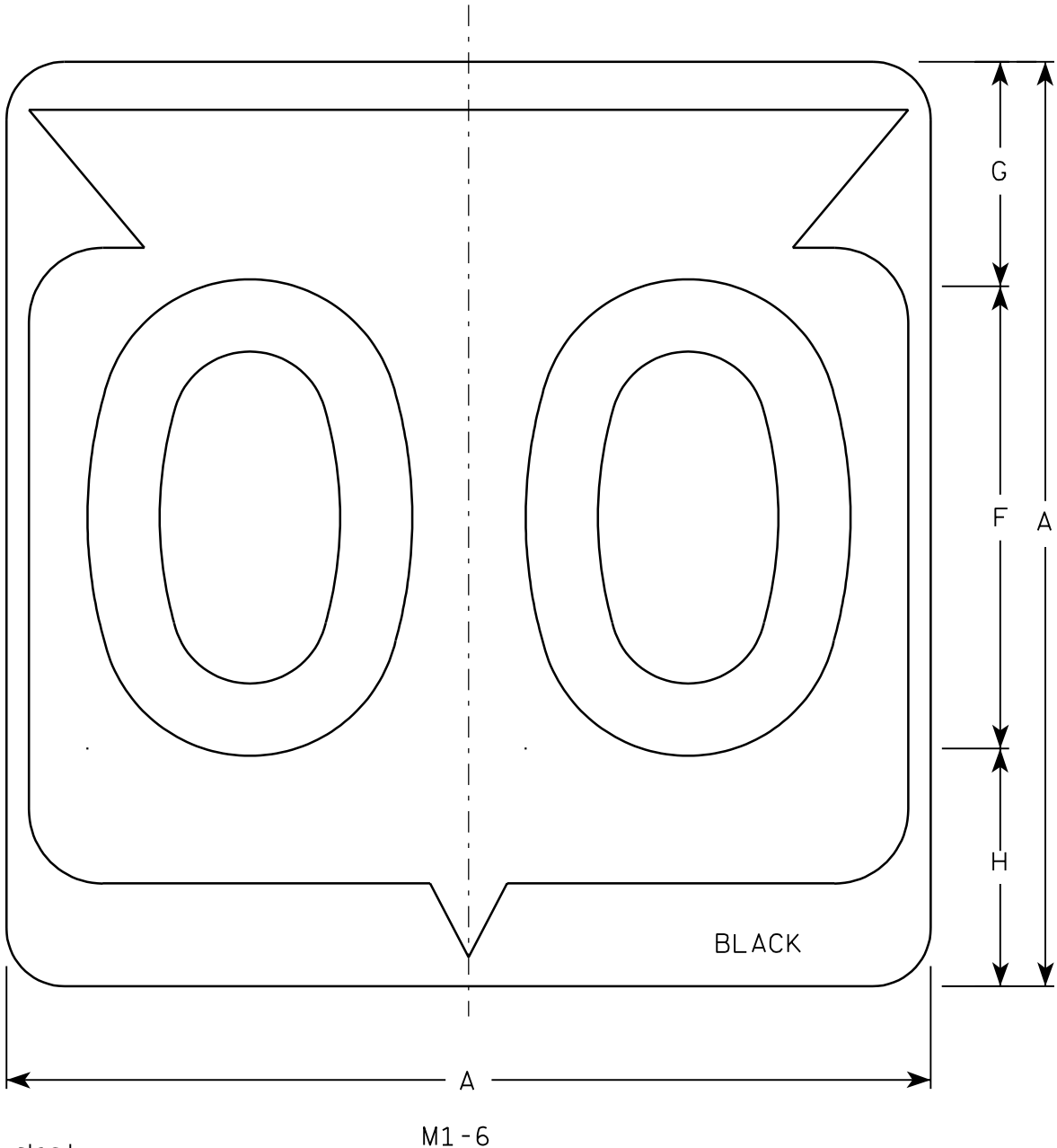
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 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	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 9/27/11	PLATE NO. M1-5A.8

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 84	E
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7

7



Metric equivalent
for this sign is:

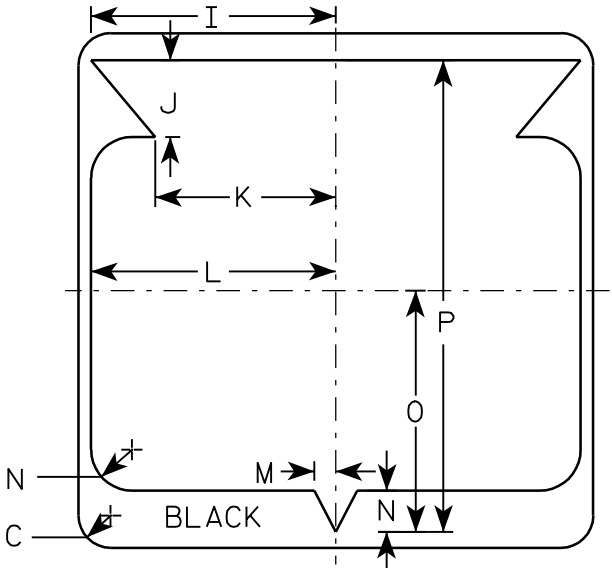
SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

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 m ²
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	.36
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	.81
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	.81
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	.81

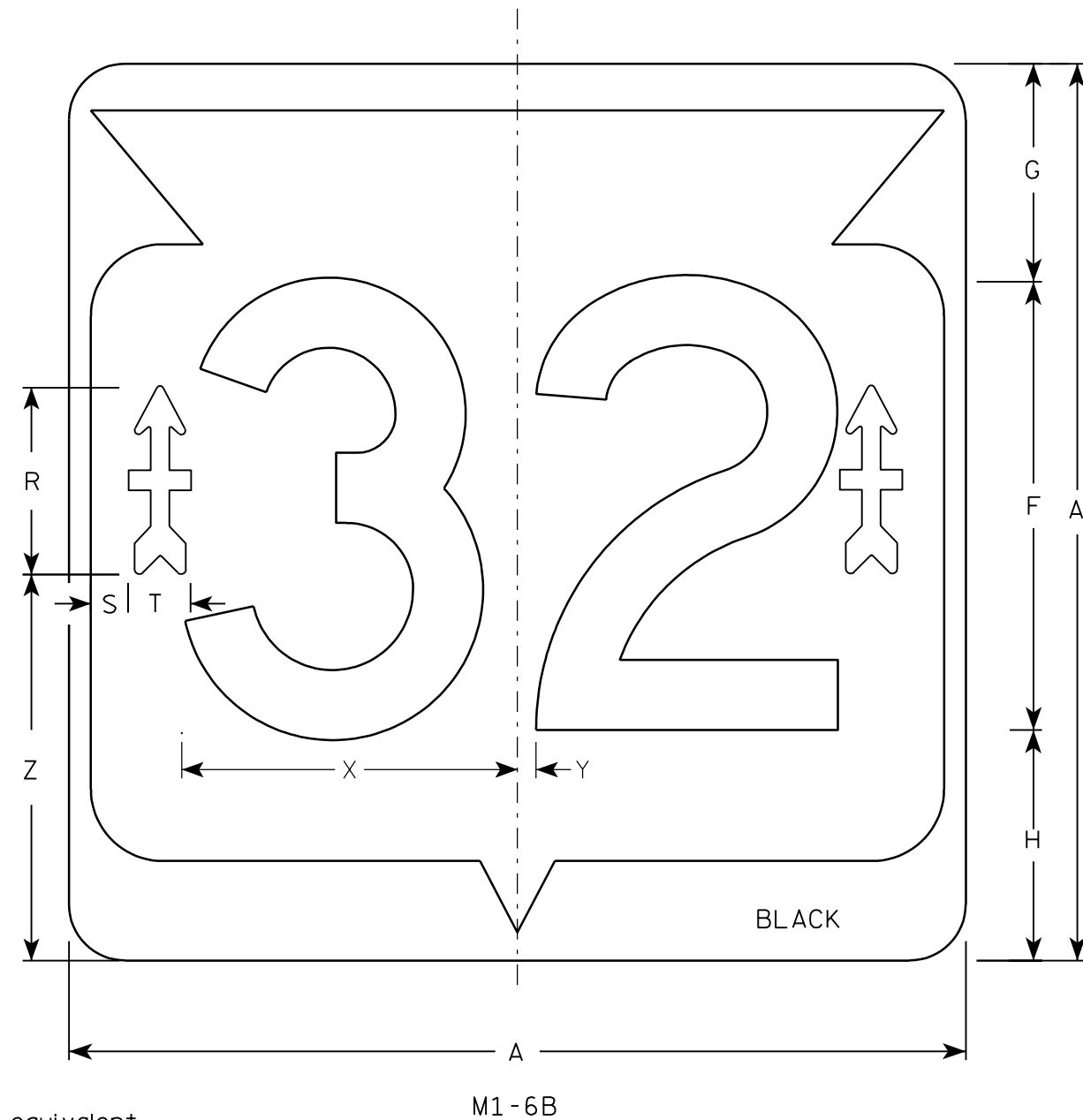
PROJECT NO:				HWY:				COUNTY:																SHEET NO: 85				E
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NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White & Black - See Note 6
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. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
Background - Type H Reflective
Detour or temporary Signs
Background - Reflective



7



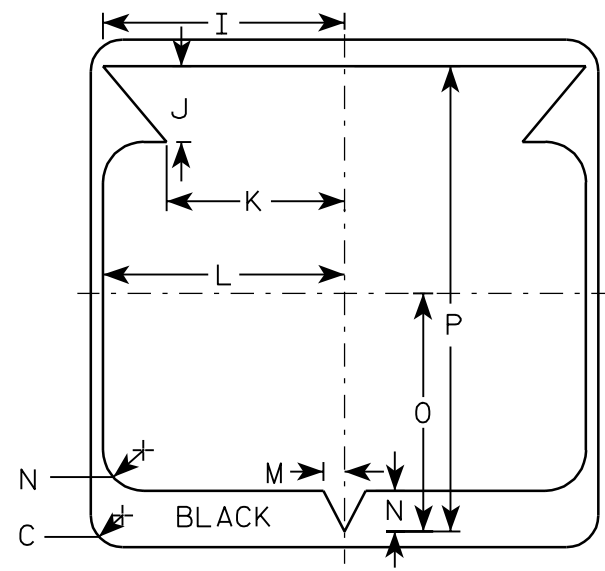
Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

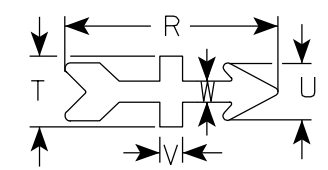
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8		5 1/8	3/4	1 7/8	1 1/2	5/8	5/8	9	1/2	10 1/2	4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33		7 1/2	1 1/2	2 1/2	2	7/8	3/4	13 1/2	3/4	15 1/2	9.0	.81
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		7 1/2	1 1/2	2 1/2	2	7/8	3/4	13 1/2	3/4	15 1/2	9.0	.81
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		7 1/2	1 1/2	2 1/2	2	7/8	3/4	13 1/2	3/4	15 1/2	9.0	.81

NOTES

- 1. Sign is Type II - Type H - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
 - Background - White & Black
 - Message - Black
 - Arrow - Type H Reflective Red
- 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.



32nd DIVISION ARROW
ACTUAL SIZE

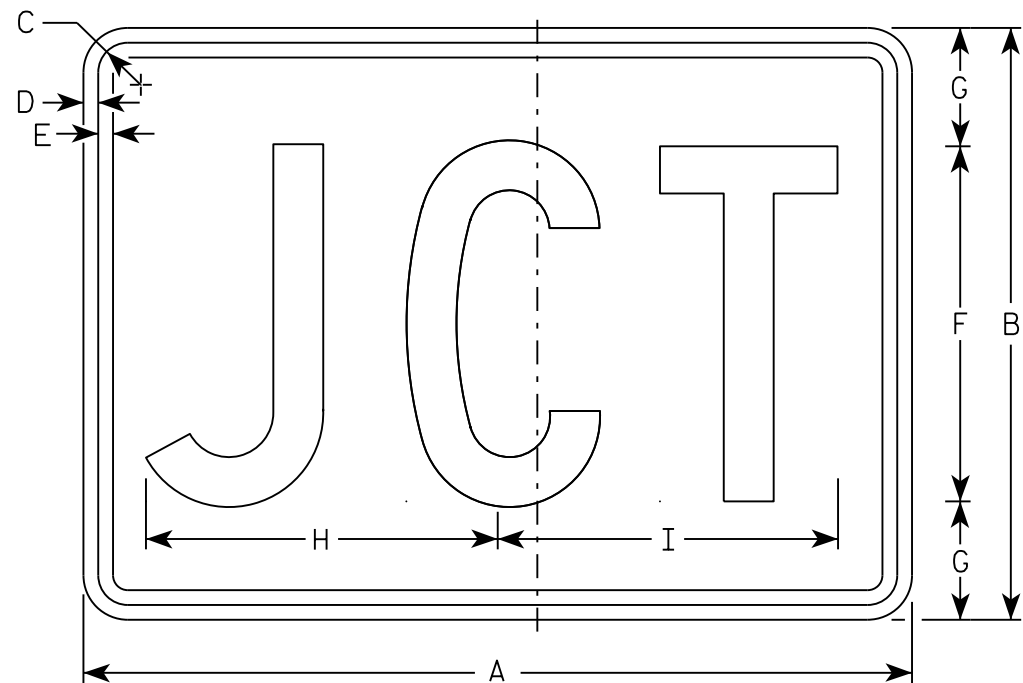


STATE ROUTE MARKER "32"
M1-6B FOR ASSEMBLIES

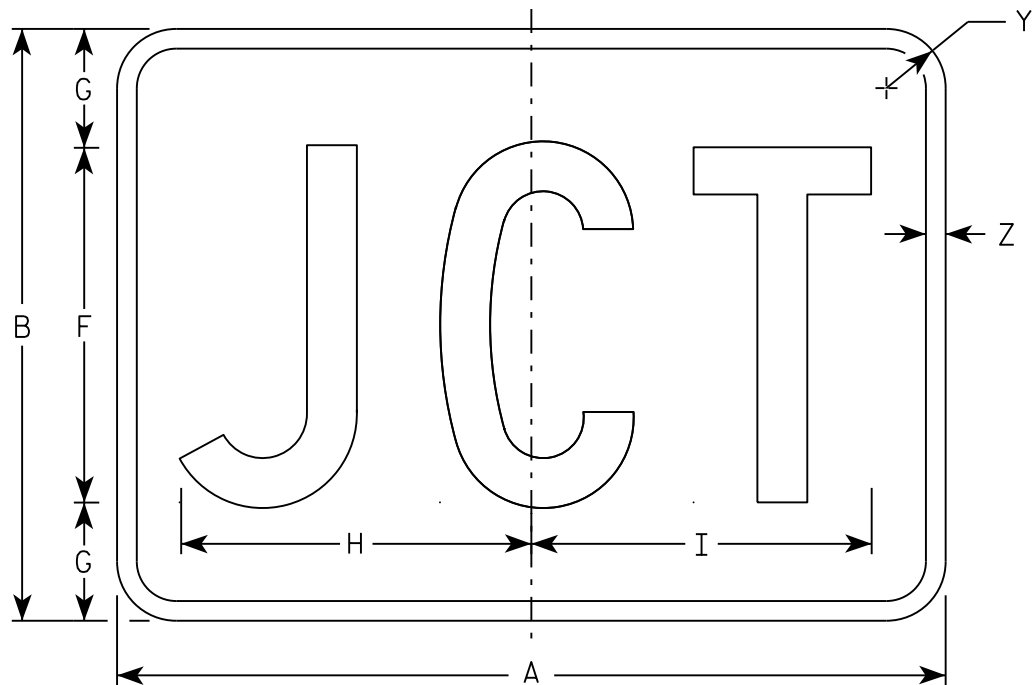
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/5/05 PLATE NO. M1-6B.2



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

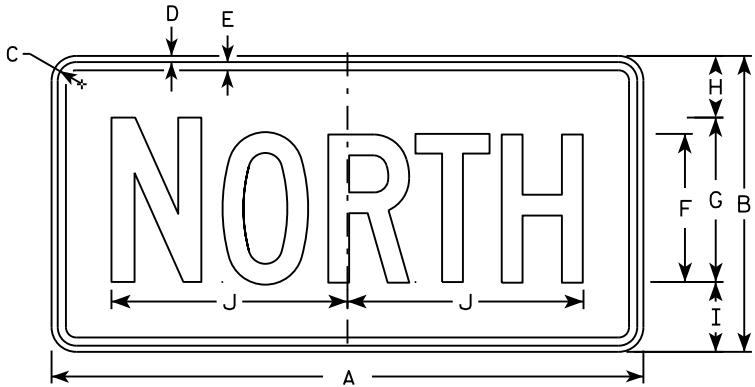
Matthew R. Rauch

For State Traffic Engineer

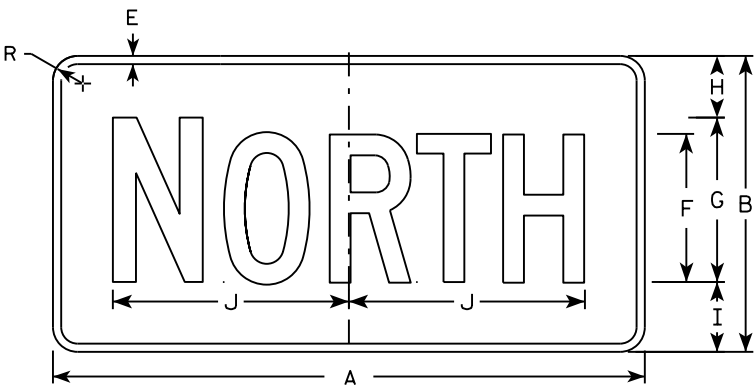
DATE 10/15/15

PLATE 87

'2-1.12



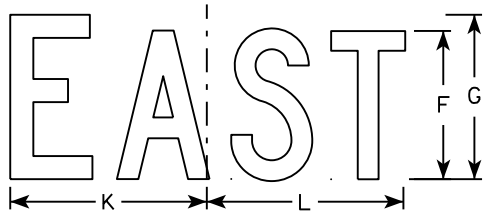
M3-1
MM3-1
MP3-1



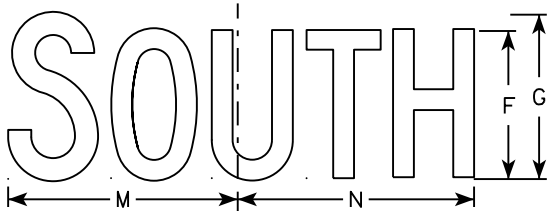
MB3-1
MK3-1
MN3-1



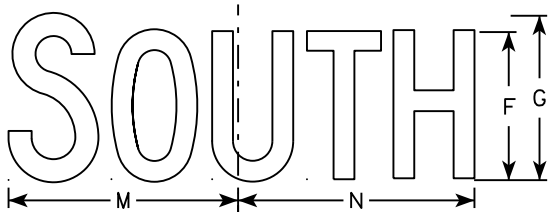
M3-2
MM3-2
MP3-2



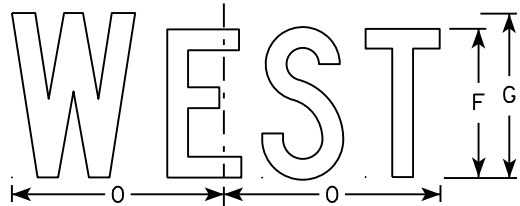
MB3-2
MK3-2
MN3-2



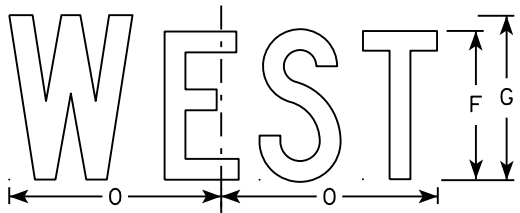
M3-3
MM3-3
MP3-3



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 thru M3-4
SERIES

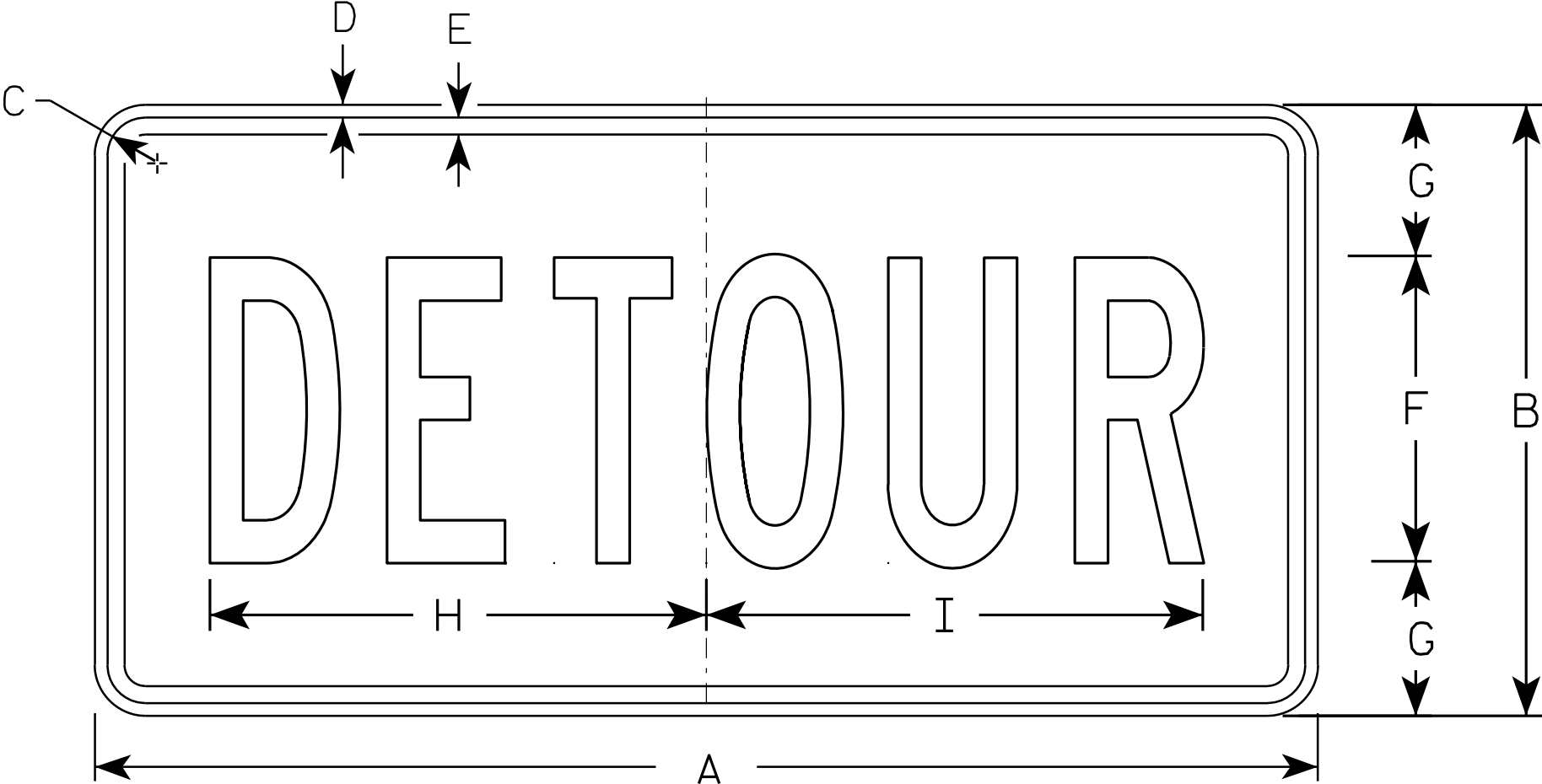
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. 88 M3-1.14

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.



M4 - 8

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																											

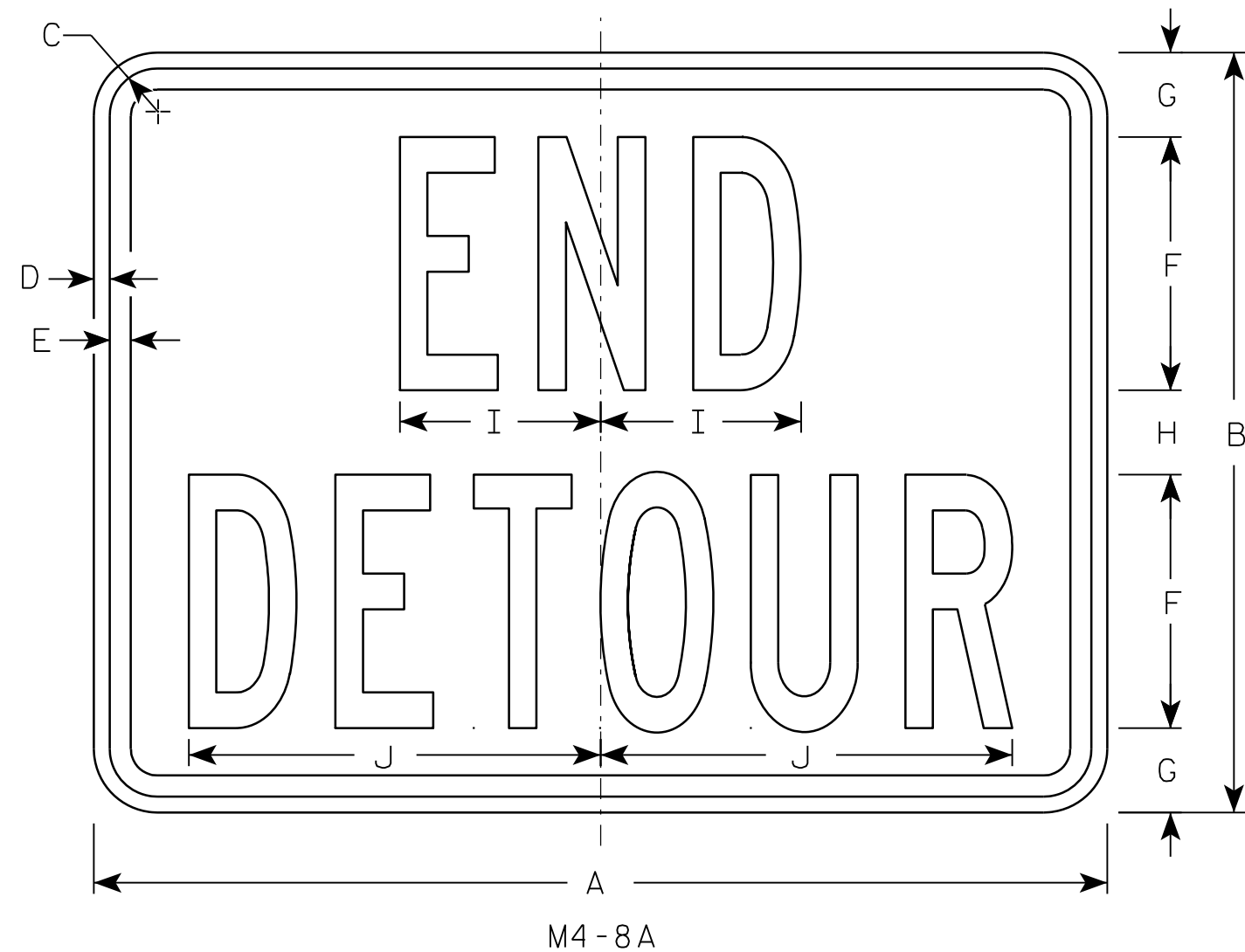
STANDARD SIGN
M4 - 8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

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 - 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.

7

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																											

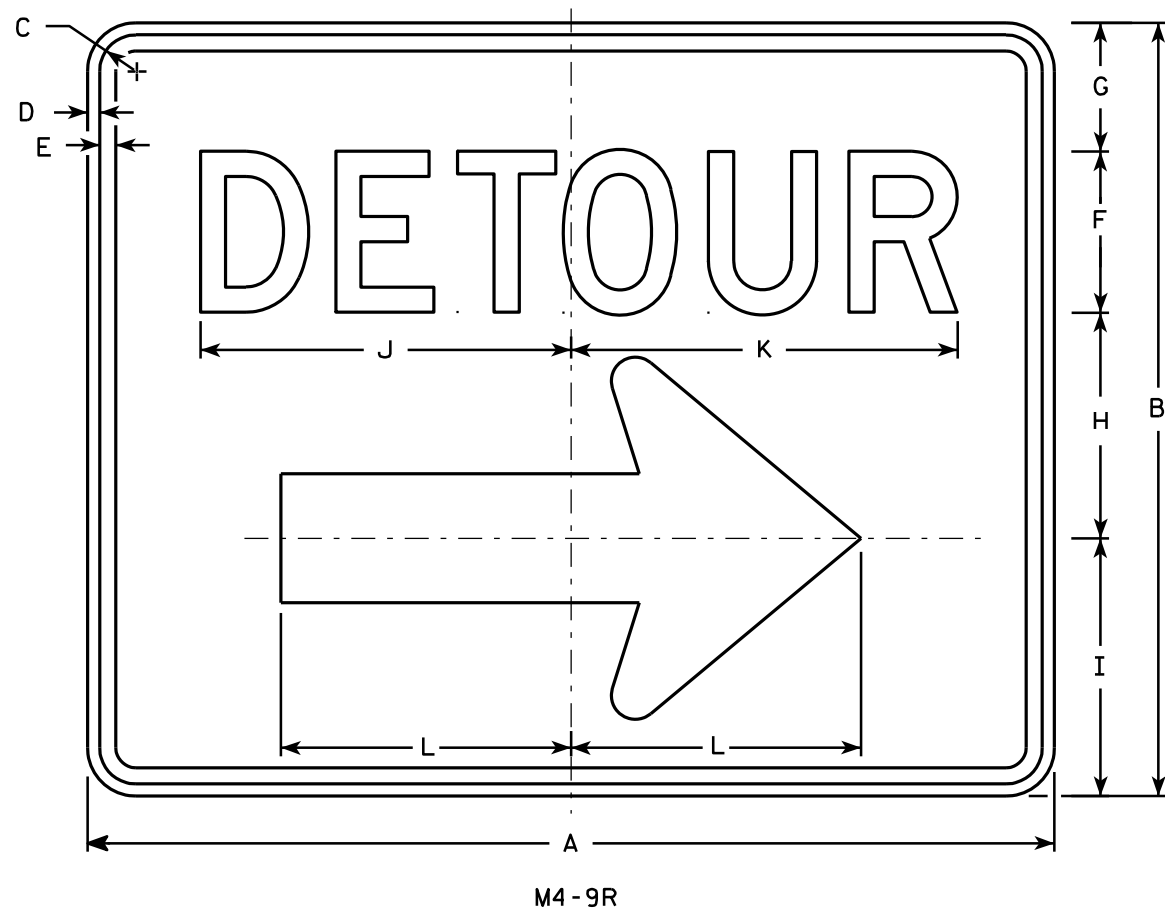
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 90	E
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STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

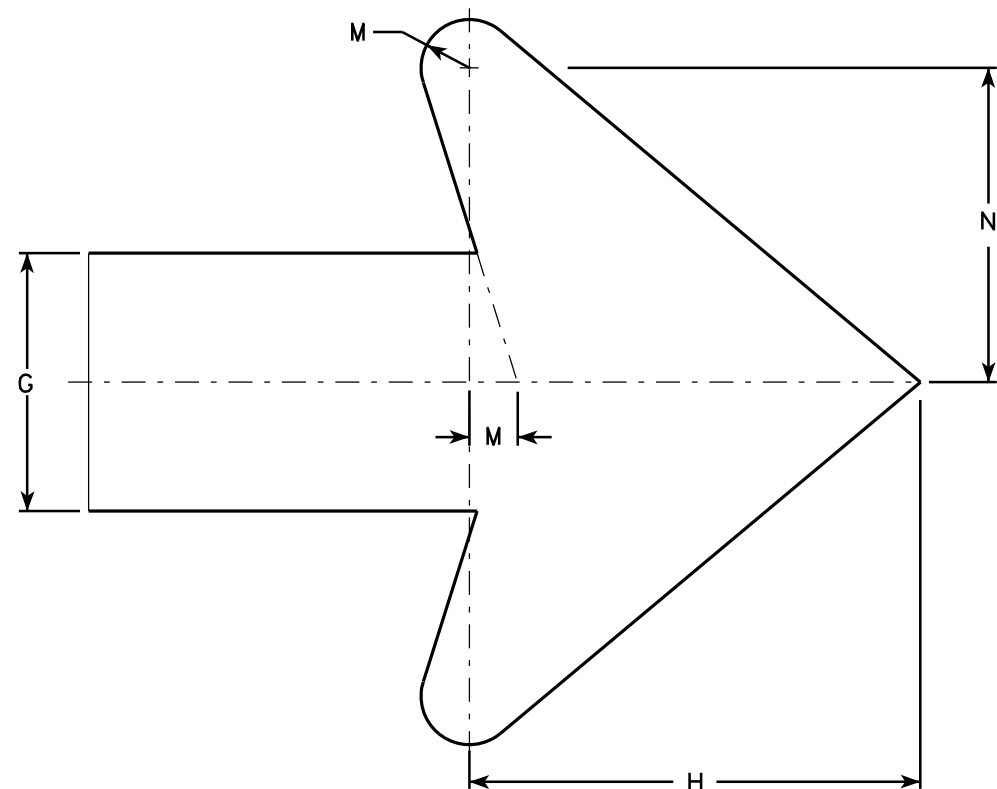
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

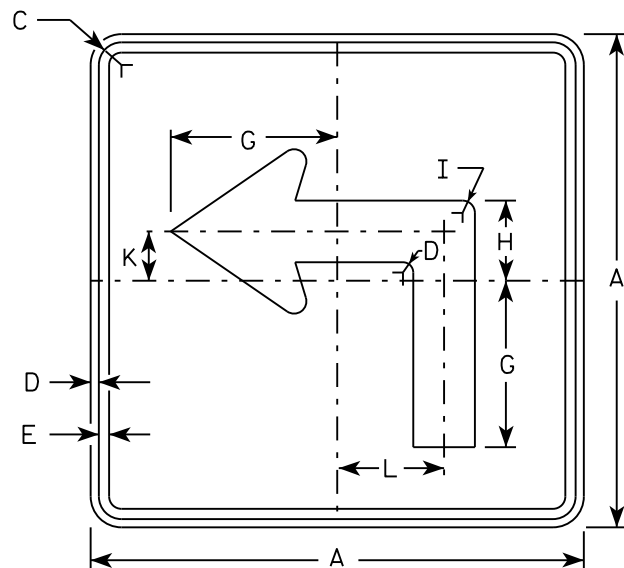
PROJECT NO:	HWY:	COUNTY:	SHEET NO: 91	E
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STANDARD SIGN
M4-9 R & L

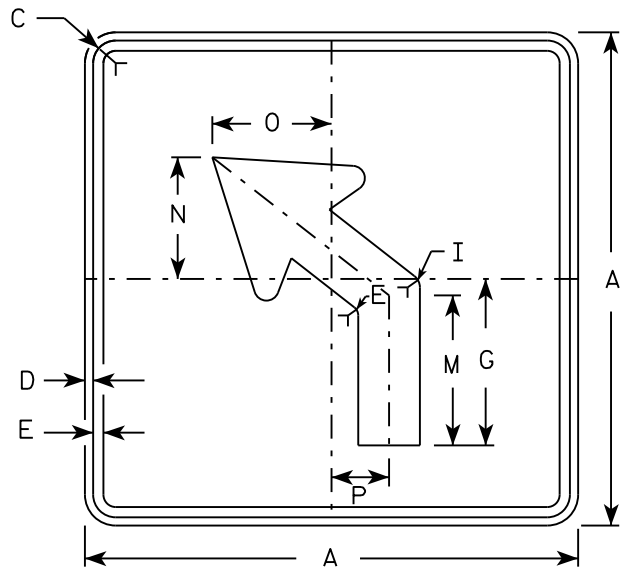
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

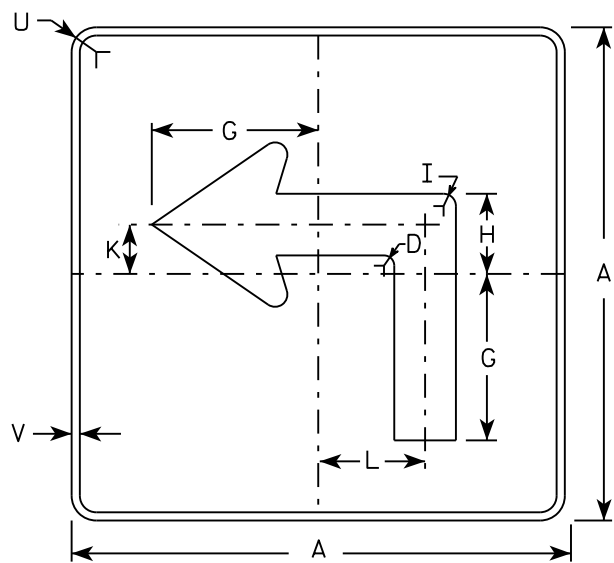
DATE 3/9/11 PLATE NO. M4-9R.4



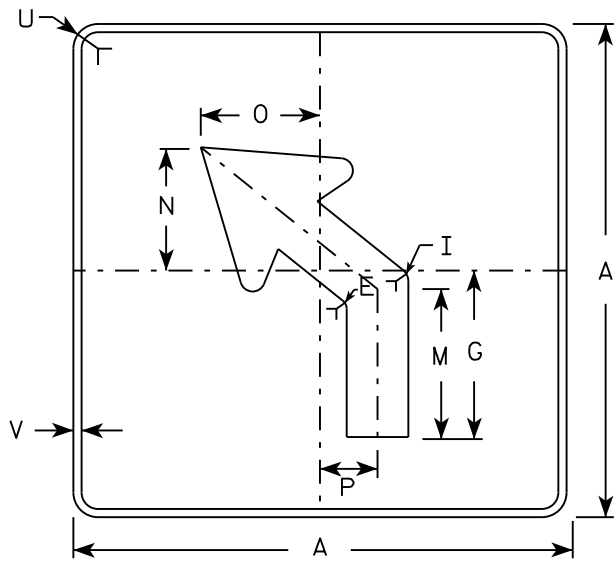
M5-1L
MM5-1L
M05-1L
MP5-1L



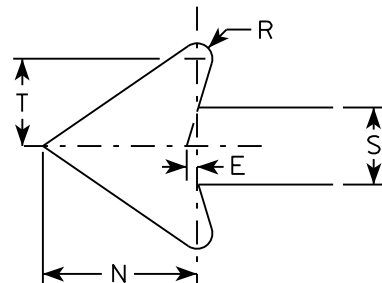
M5-2L
MM5-2L
M05-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

- Signs are Type II - Type H reflective except as shown
- Color:
Background - See note 4
Message - See note 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.
- | | |
|-----------------|---|
| 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 |
| M05-1 and M05-2 | 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 |
- M5-1R same as M5-1L except arrow points right.
- 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

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

STANDARD SIGN

M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

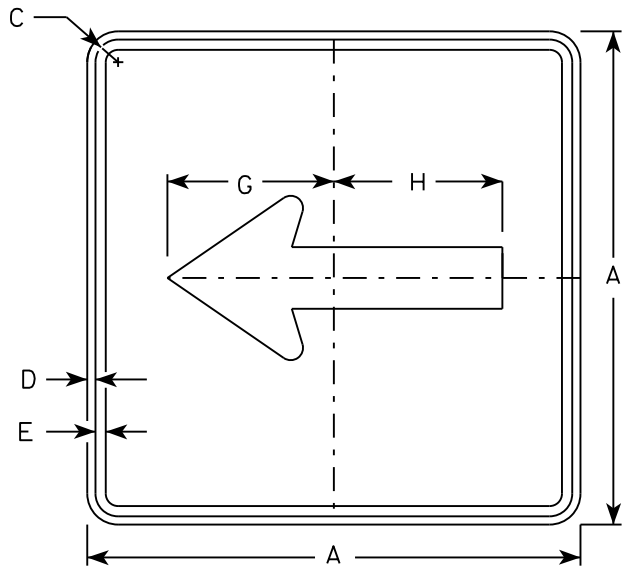
Matthew R. Rauch

for State Traffic Engineer

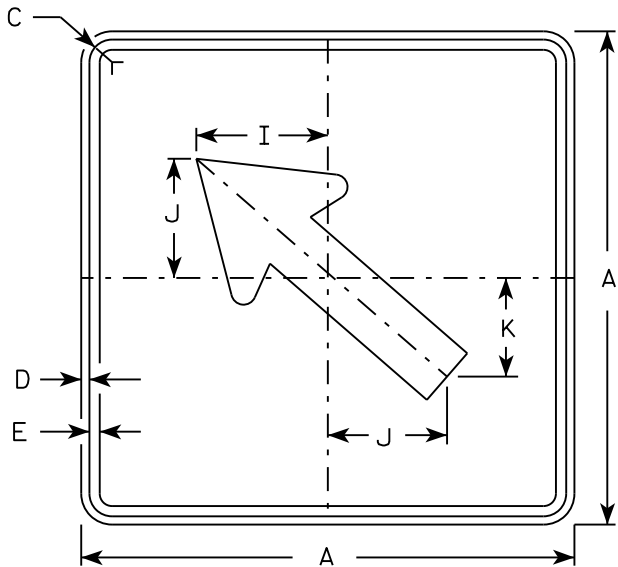
DATE 10/15/15

PLAT 92

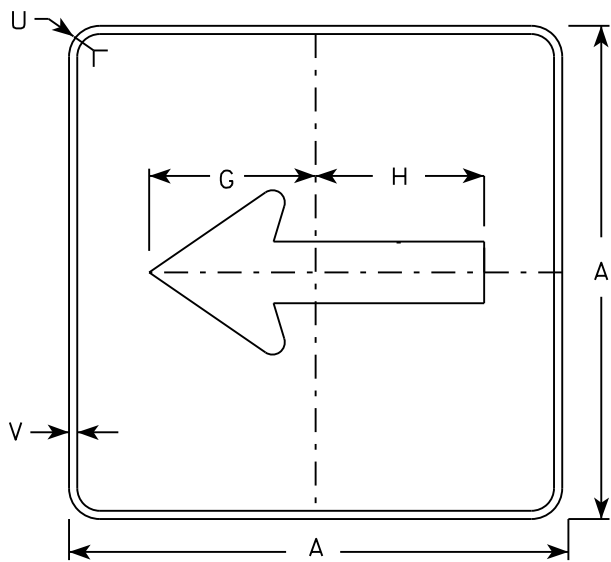
M5-1.13



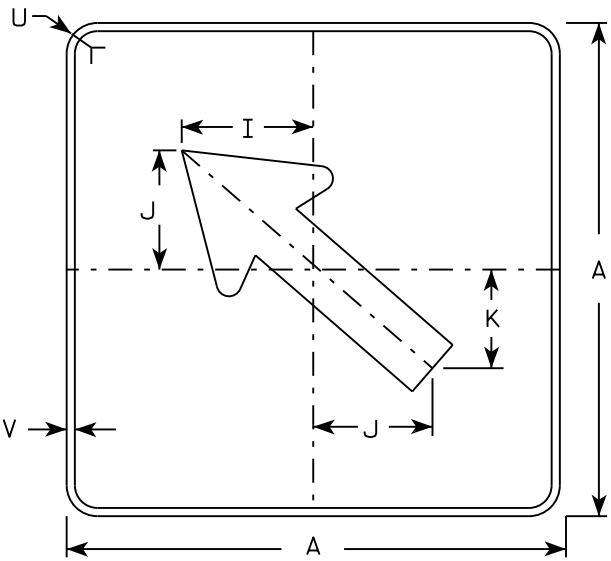
M6 - 1
MM6 - 1
M06 - 1
MP6 - 1



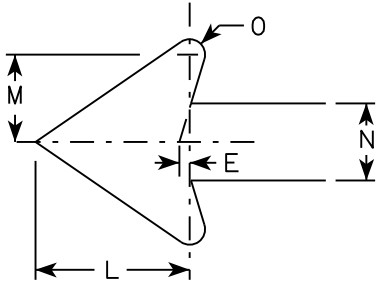
M6 - 2
MM6 - 2
M06 - 2
MP6 - 2



MB6 - 1
MK6 - 1
MN6 - 1
MR6 - 1



MB6 - 2
MK6 - 2
MN6 - 2
MR6 - 2



NOTES

- Signs are Type II - Type H except as Shown
- Color:
Background - See note 4
Message - See note 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.
- 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
M06-1 and M06-2 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

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

PROJECT NO:

HWY:

COUNTY:

DATE 10/15/15

PLAT193

SHEET NO:

E

STANDARD SIGN
M6 - 1 & M6 - 2
SERIES

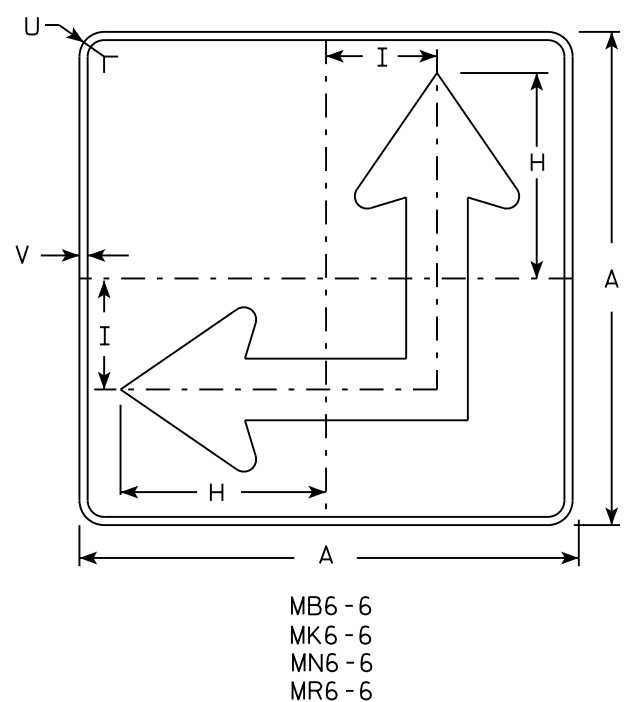
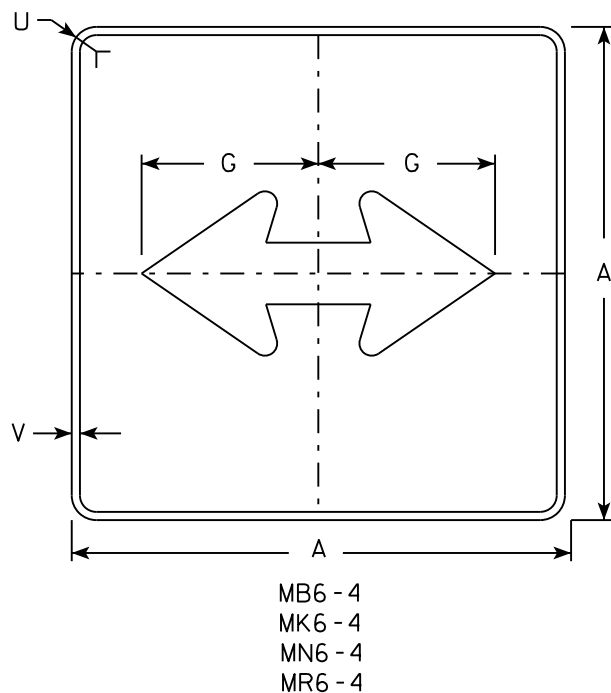
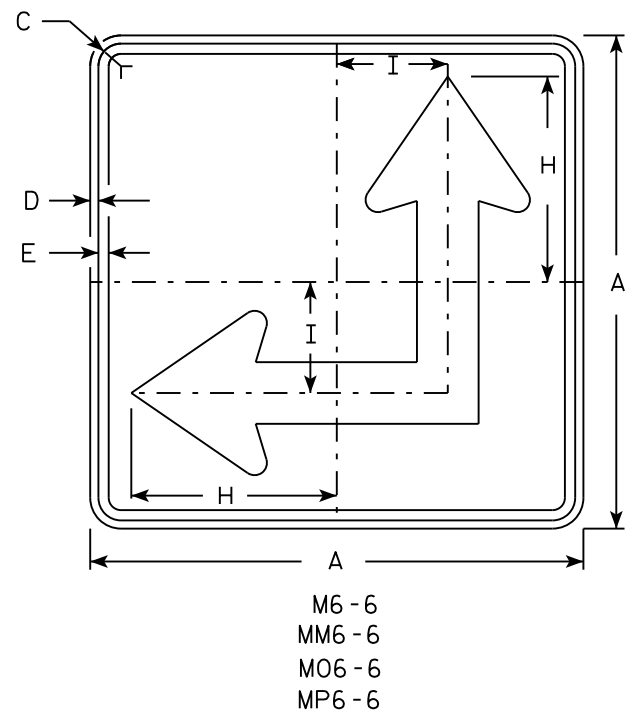
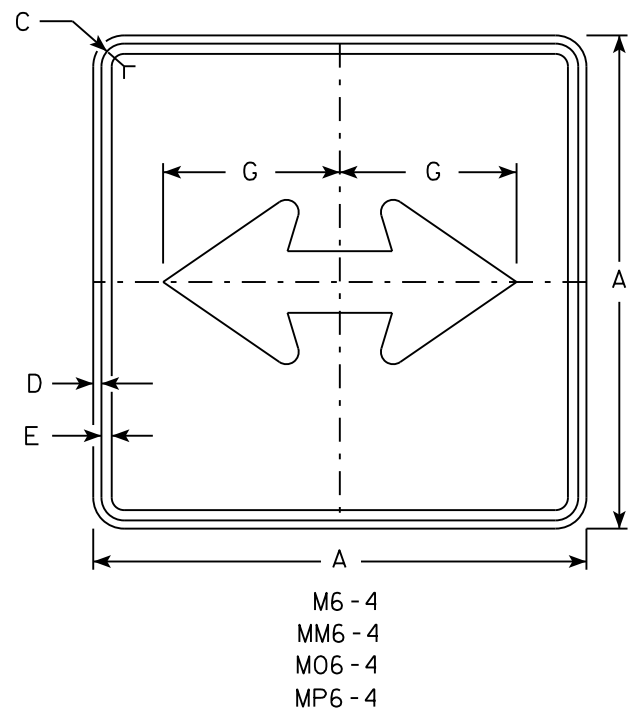
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 10/15/15

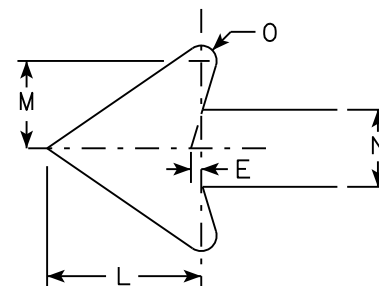
PLAT193

M6-1.15



NOTES

- Signs are Type II - Type H except as Shown
- Color:
Background - See Note 4
Message - See Note 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.
- M6-4 and M6-6 Background - White
Message - Black
MB6-4 and MB6-6 Background - Blue
Message - White
MK6-4 and MK6-6 Background - Green
Message - White
MM6-4 and MM6-6 Background - White
Message - Green
MN6-4 and MN6-6 Background - Brown
Message - White
M06-4 and M06-6 Background - Orange - Type F Reflective
Message - Black
MP6-4 and MP6-6 Background - White
Message - Blue
MR6-4 and MR6-6 Background - Brown
Message - Yellow
- M6-6R same as M6-6L except arrow points ahead and 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 1/2	8 3/4	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	12 1/2	6 3/4			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	12 1/2	6 3/4			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	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

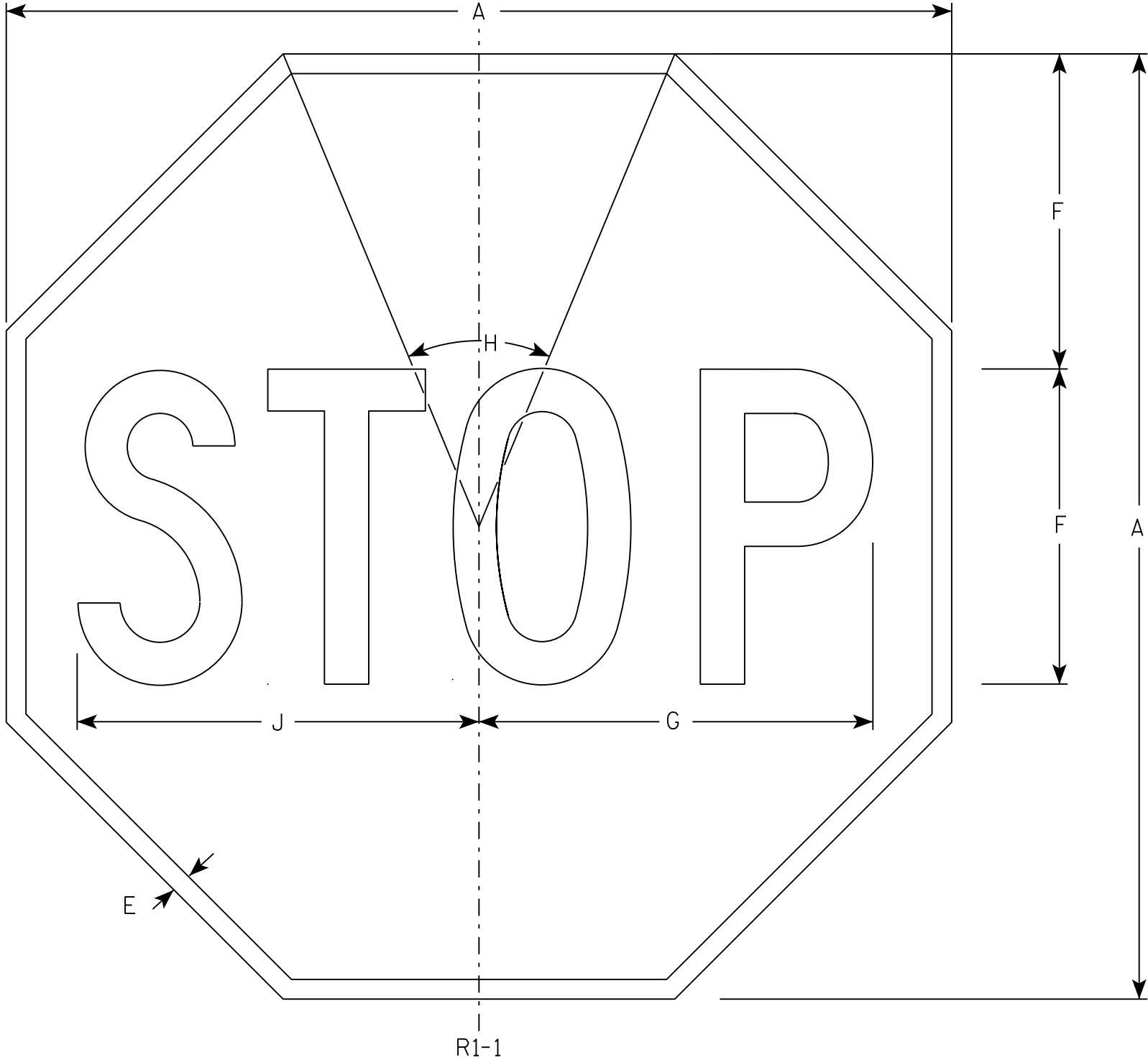
PROJECT NO:	HWY:	COUNTY:	PLAT NO:	SHEET NO:	E
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STANDARD SIGN
M6 - 4 & M6 - 6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 10/15/15 PLAT 94 M6-4.10



NOTES

- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Red
Message - White
- 3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

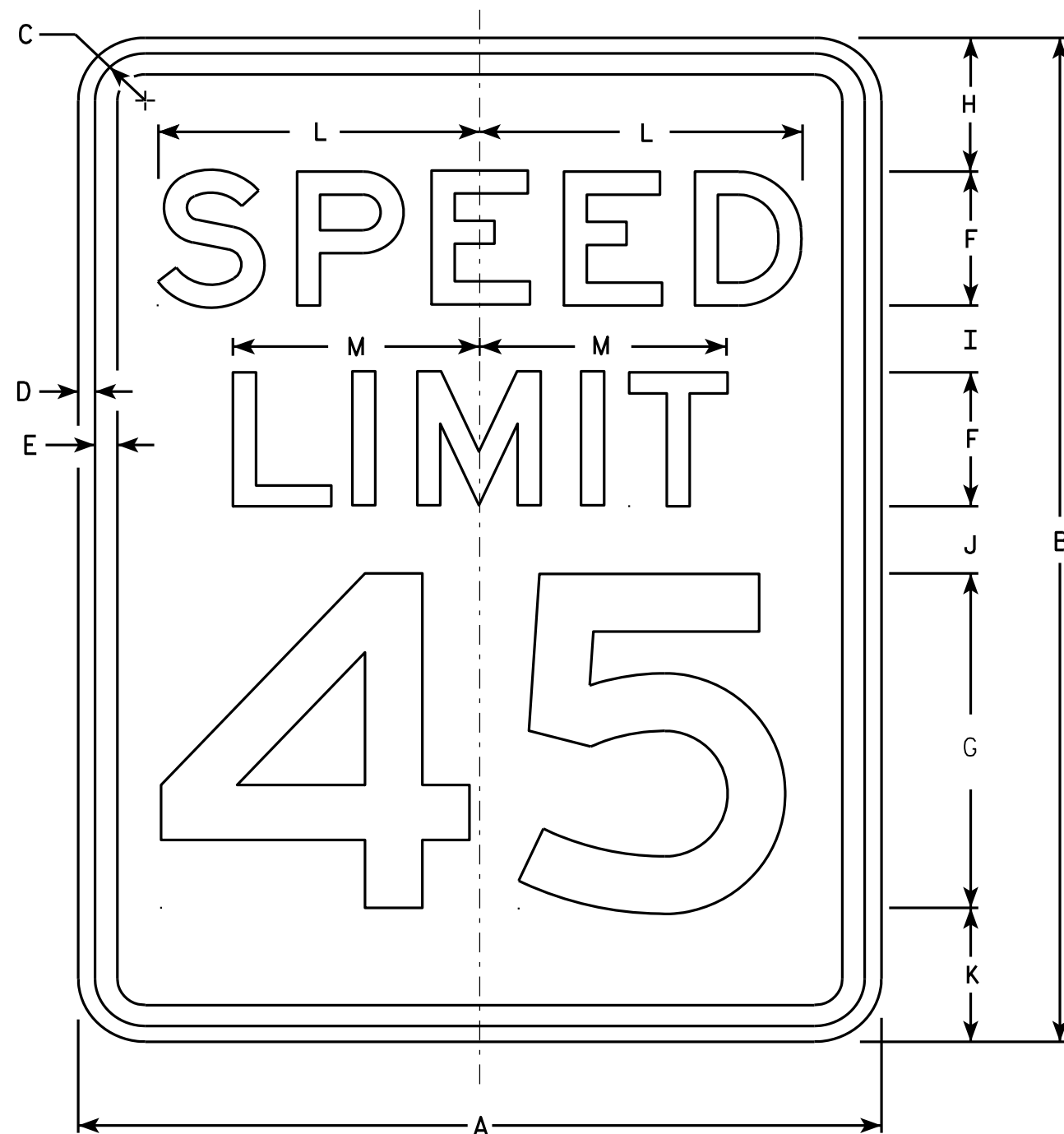
STANDARD SIGN

R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/12/15 PLATE 95 R1-1.13



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

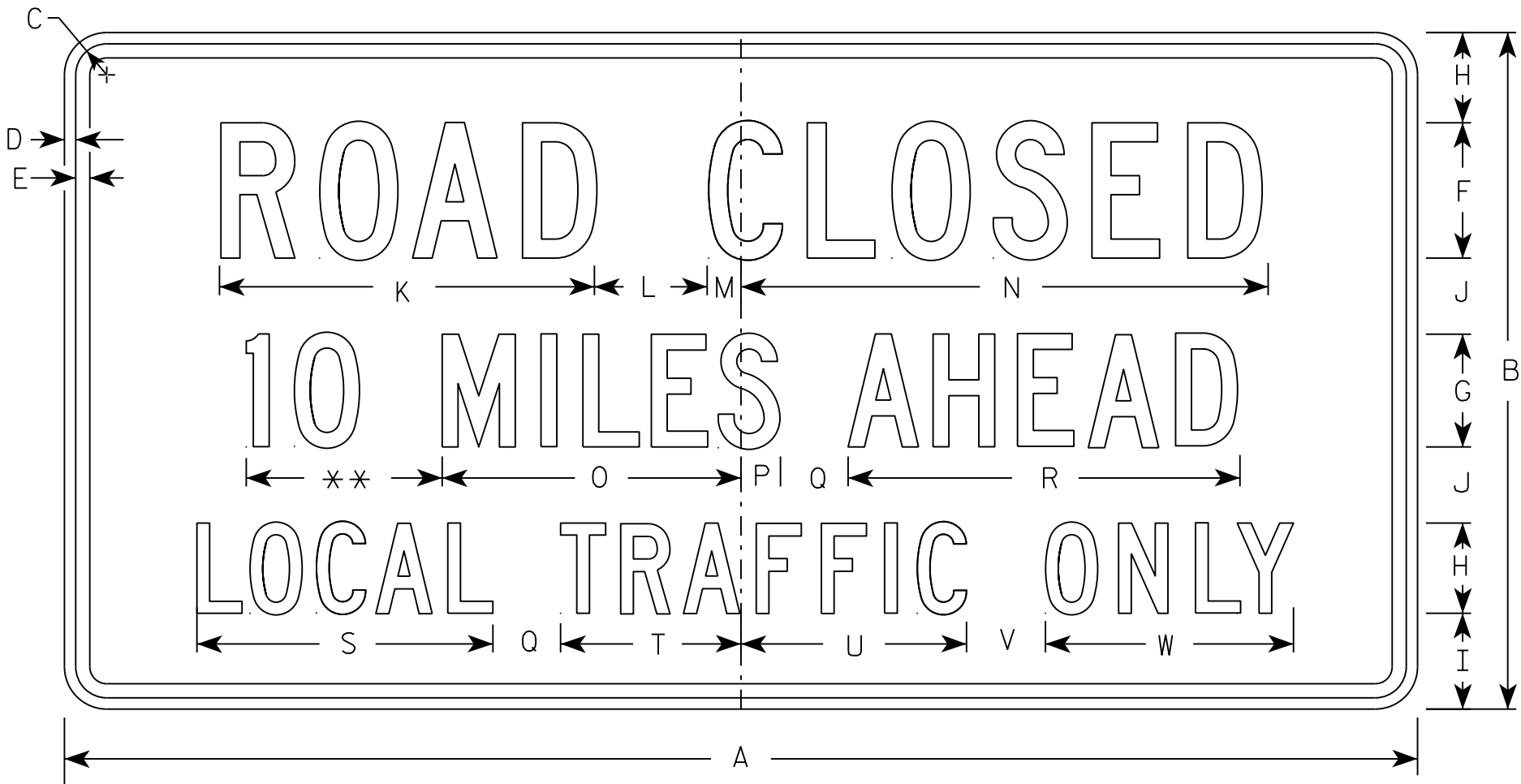
STANDARD SIGN R2-1

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: 96 E

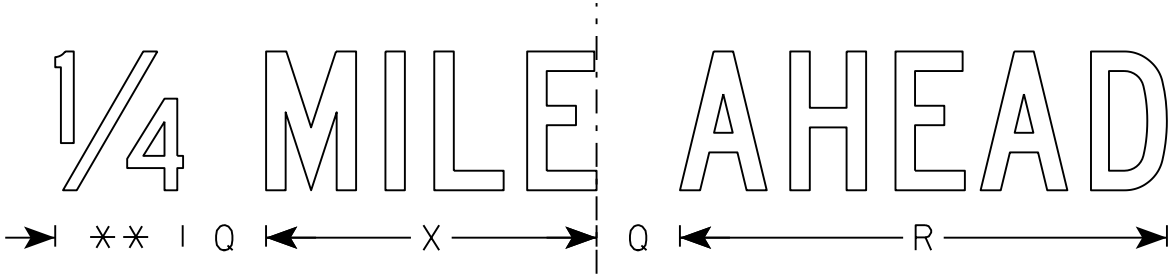
NOTES

- 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

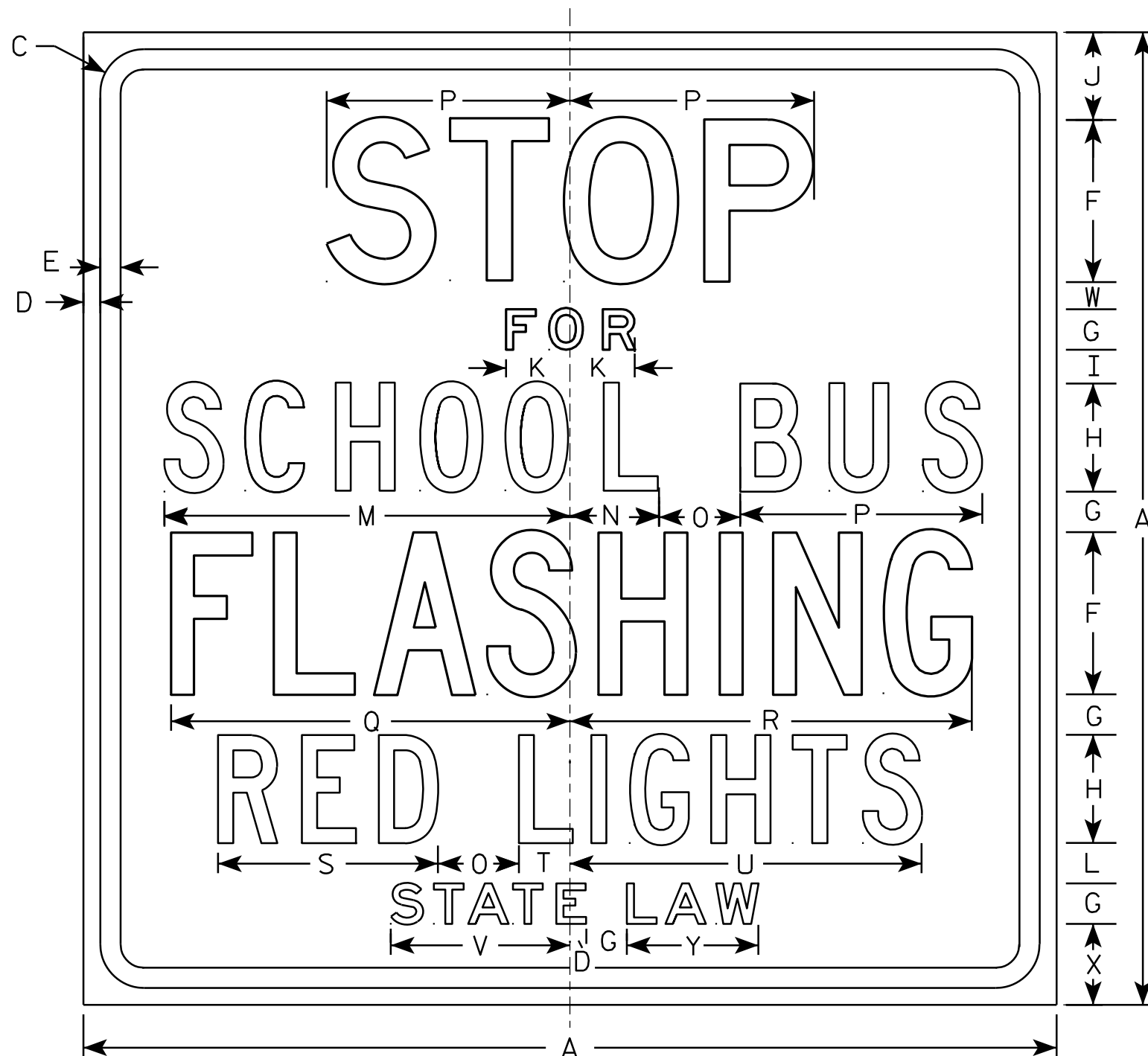


SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	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 3/15/17 PLATE NO. R11-3.8



R59-51

NOTES

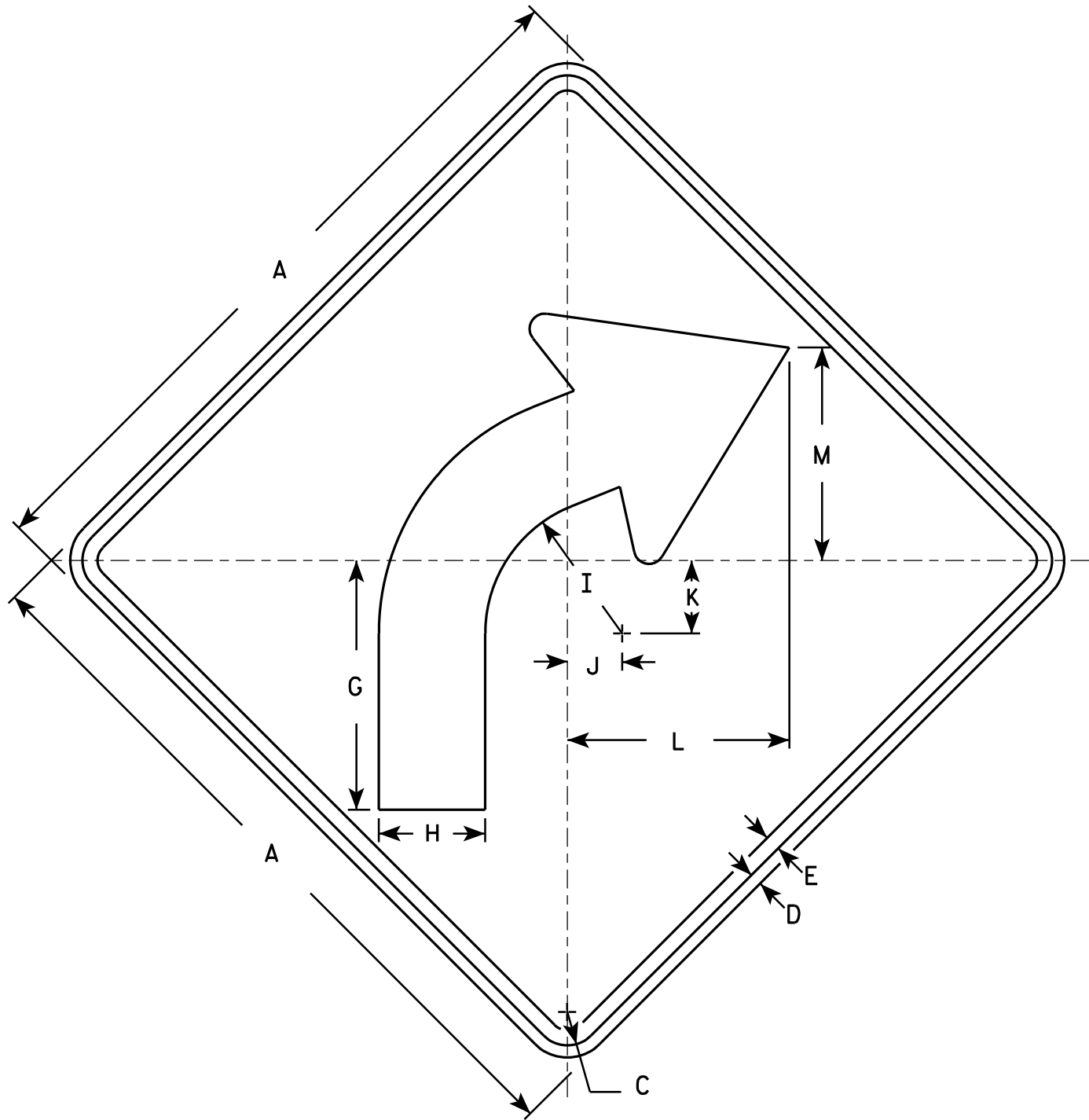
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D
Lines 2 & 6 are Series E
Line 3, 4 & 5 are Series C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5⁄8	5⁄8	3⁄4	6	1 1⁄2	4	1 1⁄4	3 1⁄4	2 3⁄8	1 1⁄2	15	3 1⁄4	3	9	14 3⁄4	14 7⁄8	8 1⁄8	1 7⁄8	13	6 5⁄8	1	3	4 7⁄8		9.0
2M	36		1 5⁄8	5⁄8	3⁄4	6	1 1⁄2	4	1 1⁄4	3 1⁄4	2 3⁄8	1 1⁄2	15	3 1⁄4	3	9	14 3⁄4	14 7⁄8	8 1⁄8	1 7⁄8	13	6 5⁄8	1	3	4 7⁄8		9.0
3	48		2 1⁄4	3⁄4	1	8	2	6	1 1⁄4	4 3⁄4	3 1⁄4	1 1⁄2	20 1⁄4	5	3 5⁄8	12	19 1⁄2	20	11 5⁄8	3 3⁄4	19	9 1⁄2	1	3 1⁄2	6 3⁄4		16.0
4	48		2 1⁄4	3⁄4	1	8	2	6	1 1⁄4	4 3⁄4	3 1⁄4	1 1⁄2	20 1⁄4	5	3 5⁄8	12	19 1⁄2	20	11 5⁄8	3 3⁄4	19	9 1⁄2	1	3 1⁄2	6 3⁄4		16.0
5																											

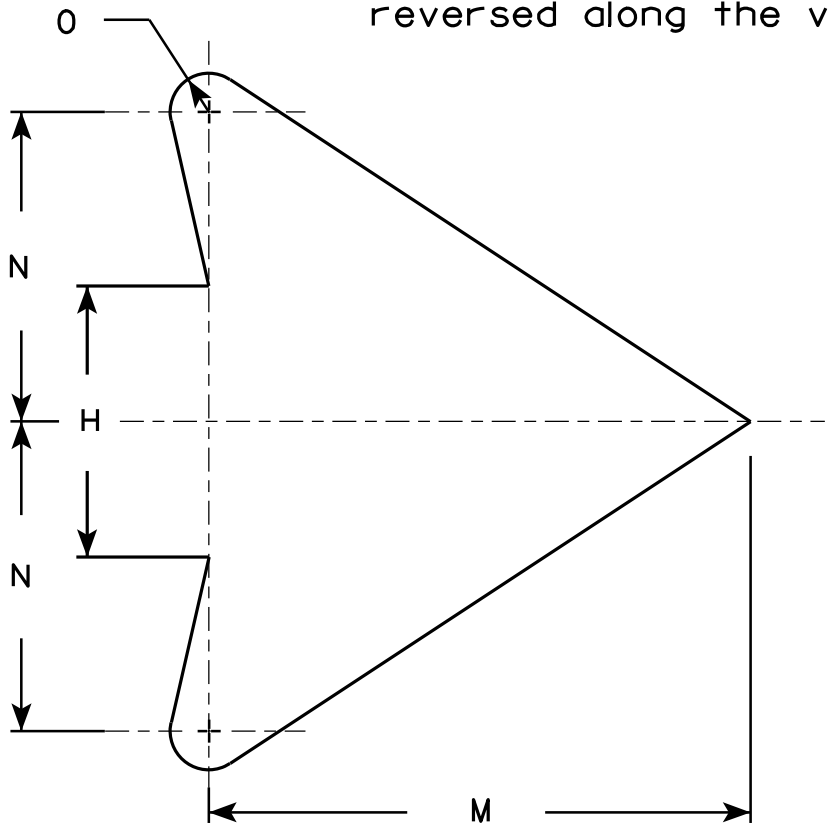
STANDARD SIGN R59-51	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 3/30/11	PLATE NO. R59-51.10

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

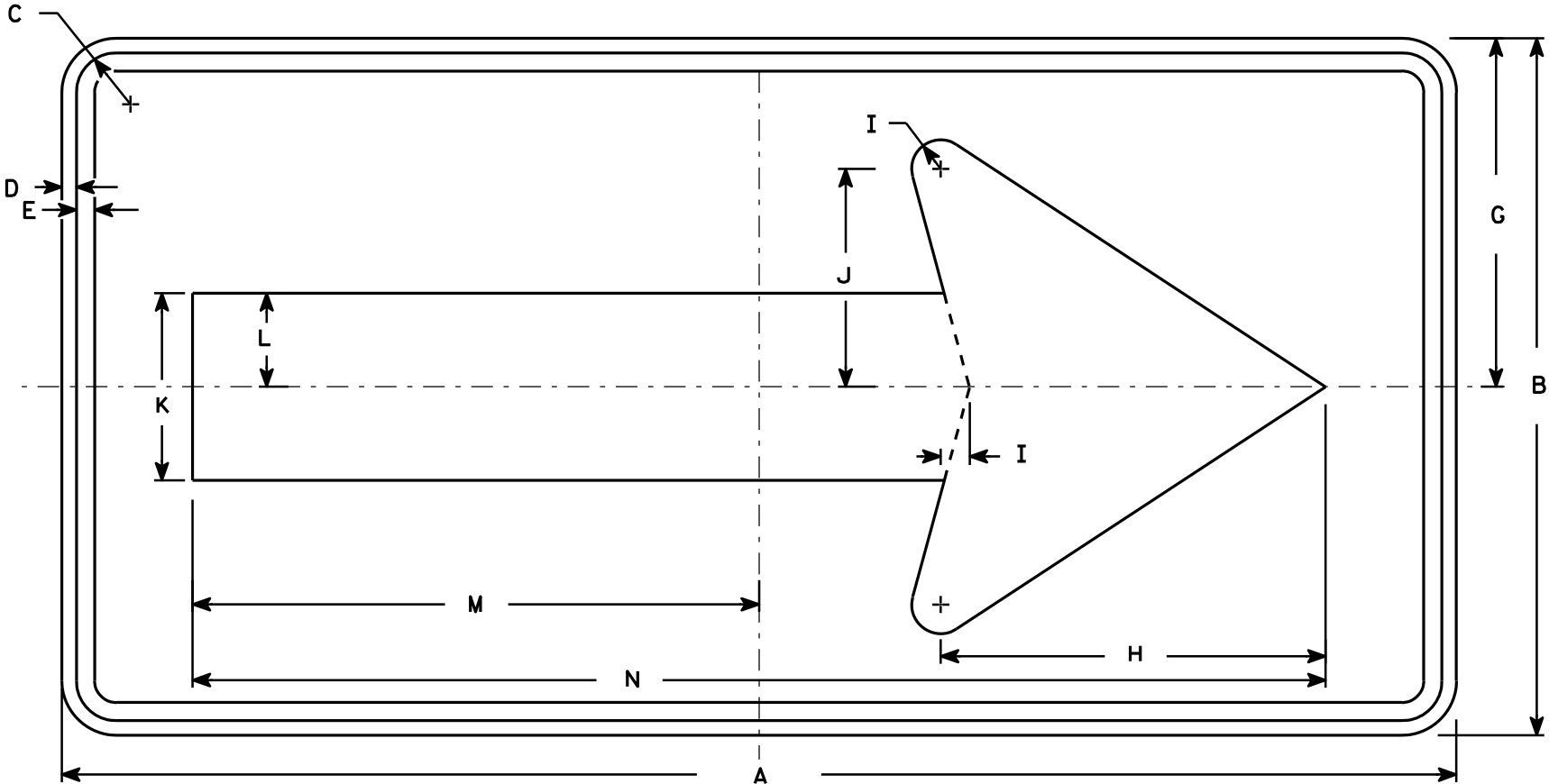
DATE 5/15/12 PLATE NO. W1-2.10

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.



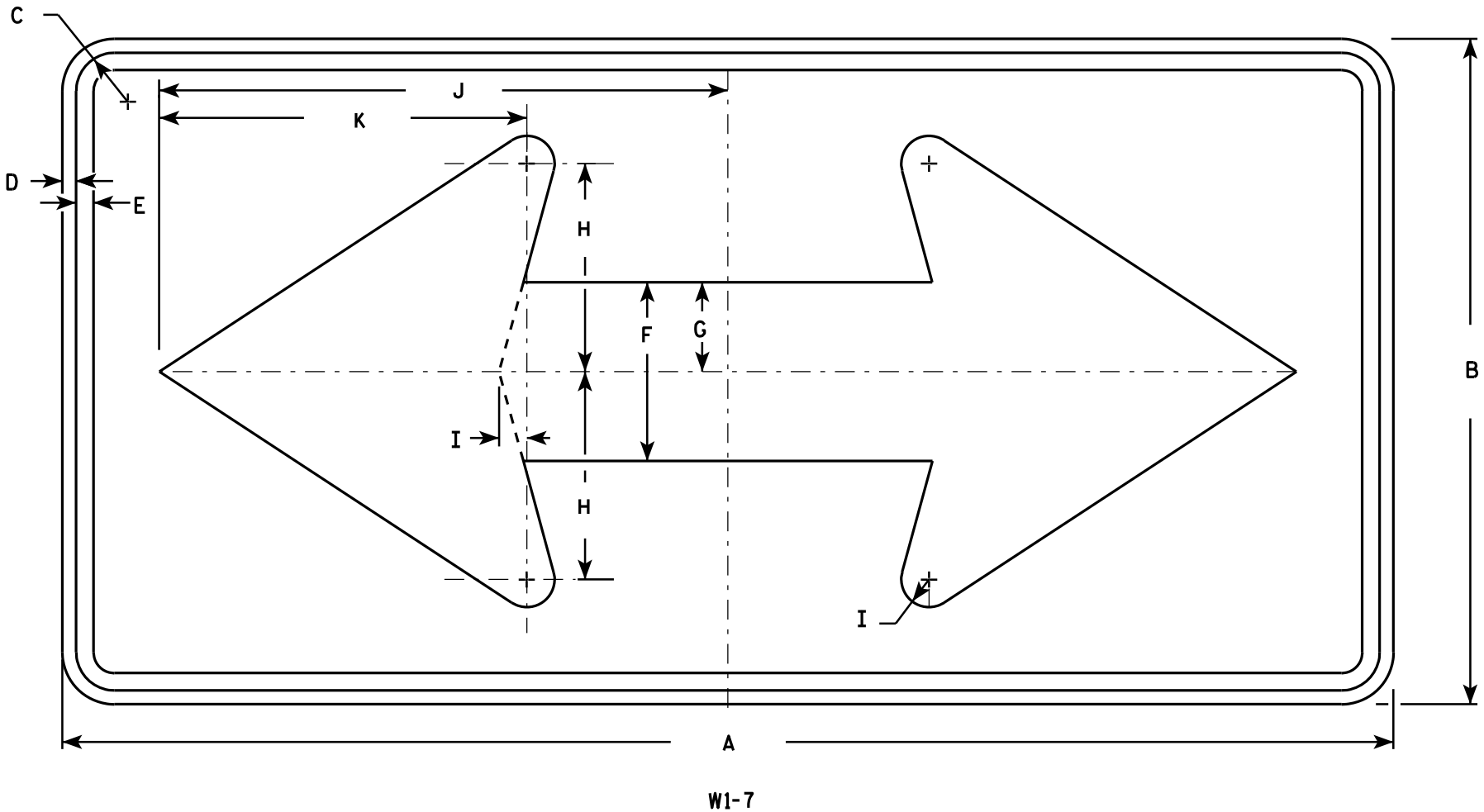
W1-6

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



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

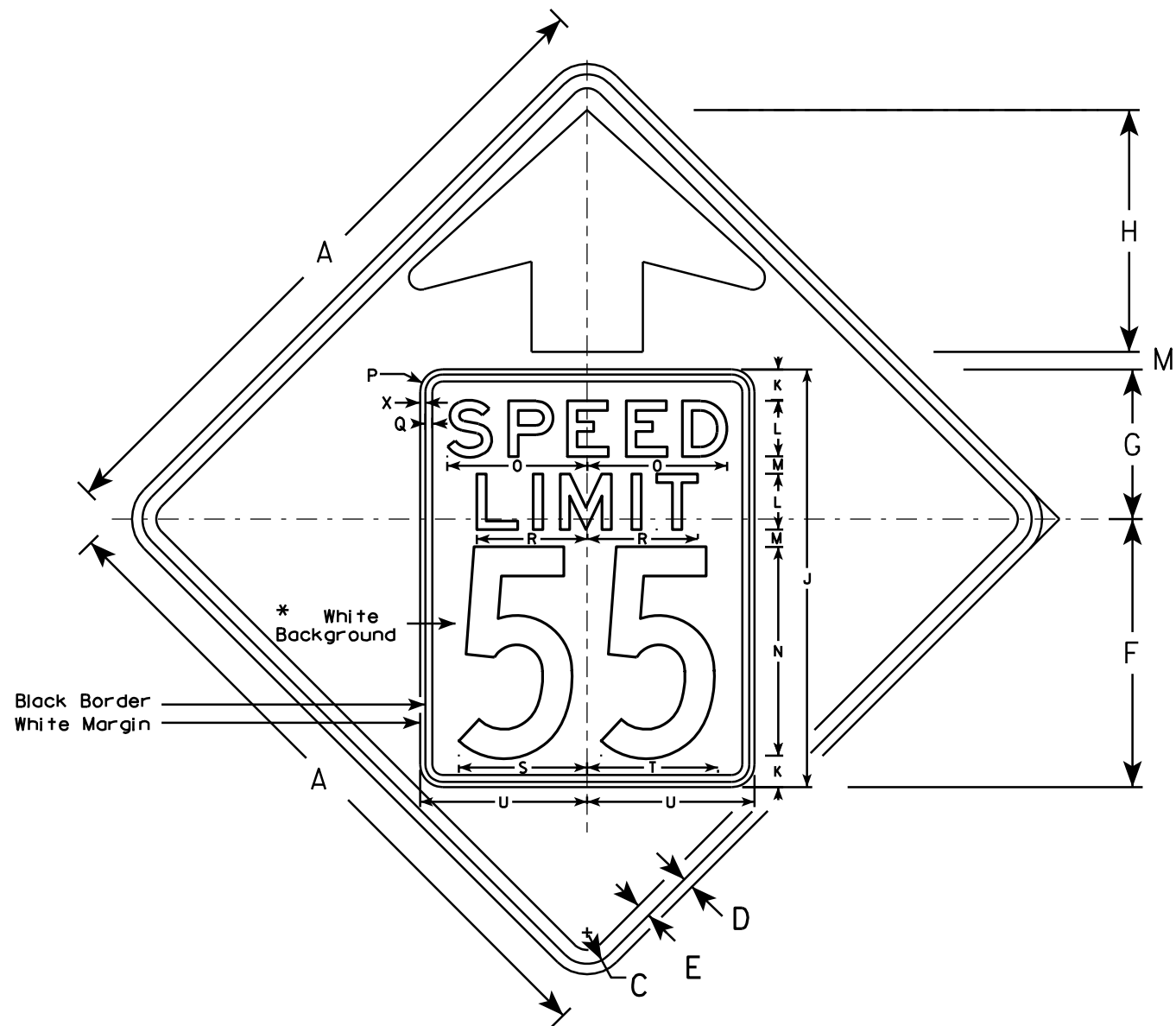
STANDARD SIGN

W1 - 7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

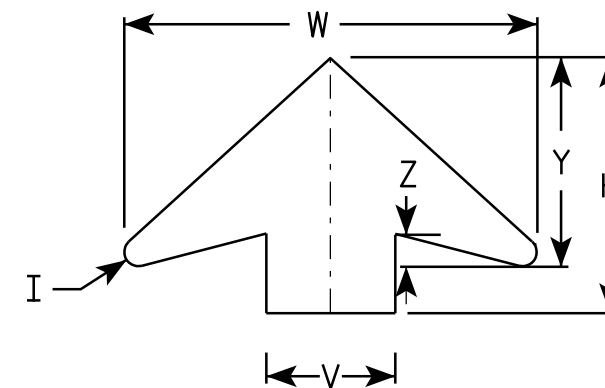


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
Background - YELLOW*
Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5⁄8	5⁄8	3⁄4	14 1⁄2	9 1⁄2	11 1⁄2	5⁄8	24	2	3	1	12	7 1⁄8	1 1⁄2	3⁄8	5 3⁄4	7 1⁄4	7 1⁄8	9	6	19 1⁄4	3⁄8	9 3⁄4	1 5⁄8	9.0
2M	36		1 5⁄8	5⁄8	3⁄4	14 1⁄2	9 1⁄2	11 1⁄2	5⁄8	24	2	3	1	12	7 1⁄8	1 1⁄2	3⁄8	5 3⁄4	7 1⁄4	7 1⁄8	9	6	19 1⁄4	3⁄8	9 3⁄4	1 5⁄8	9.0
3	36		1 5⁄8	5⁄8	3⁄4	14 1⁄2	9 1⁄2	11 1⁄2	5⁄8	24	2	3	1	12	7 1⁄8	1 1⁄2	3⁄8	5 3⁄4	7 1⁄4	7 1⁄8	9	6	19 1⁄4	3⁄8	9 3⁄4	1 5⁄8	9.0
4	48		2 1⁄4	3⁄4	1	19 1⁄4	10 3⁄4	17 3⁄8	7⁄8	30	2 1⁄4	4	1 1⁄4	15	10	1 5⁄8	1⁄2	8	9 1⁄4	9 3⁄8	12	8	25 5⁄8	3⁄8	13	2	16.0
5	48		2 1⁄4	3⁄4	1	19 1⁄4	10 3⁄4	17 3⁄8	7⁄8	30	2 1⁄4	4	1 1⁄4	15	10	1 5⁄8	1⁄2	8	9 1⁄4	9 3⁄8	12	8	25 5⁄8	3⁄8	13	2	16.0

STANDARD SIGN

W3-5

WISCONSIN DEPT OF TRANSPORTATION

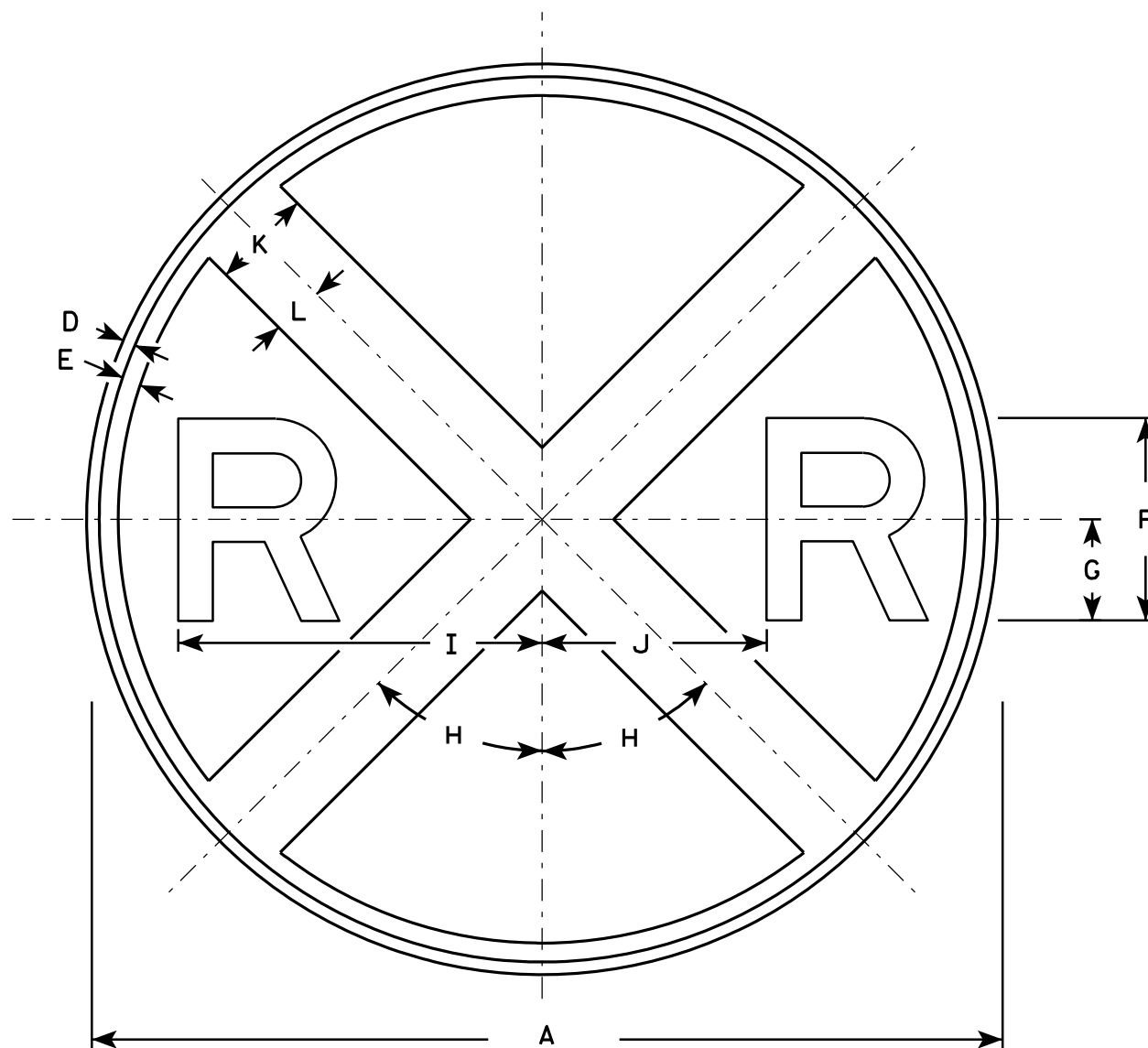
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 102

E



W10-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Message 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	30			3⁄8	5⁄8	7	3 1⁄2	45°	12 3⁄8	7 1⁄8	3	1 1⁄2															4.91
2S	36			5⁄8	3⁄4	8	4	45°	14 3⁄8	8 5⁄8	4	2															7.07
2M	36			5⁄8	3⁄4	8	4	45°	14 3⁄8	8 5⁄8	4	2															7.07
3																											
4	48			3⁄4	1 1⁄4	10	5	45°	18 3⁄8	11 5⁄8	5	2 1⁄2															12.5
5																											

STANDARD SIGN
W10-1

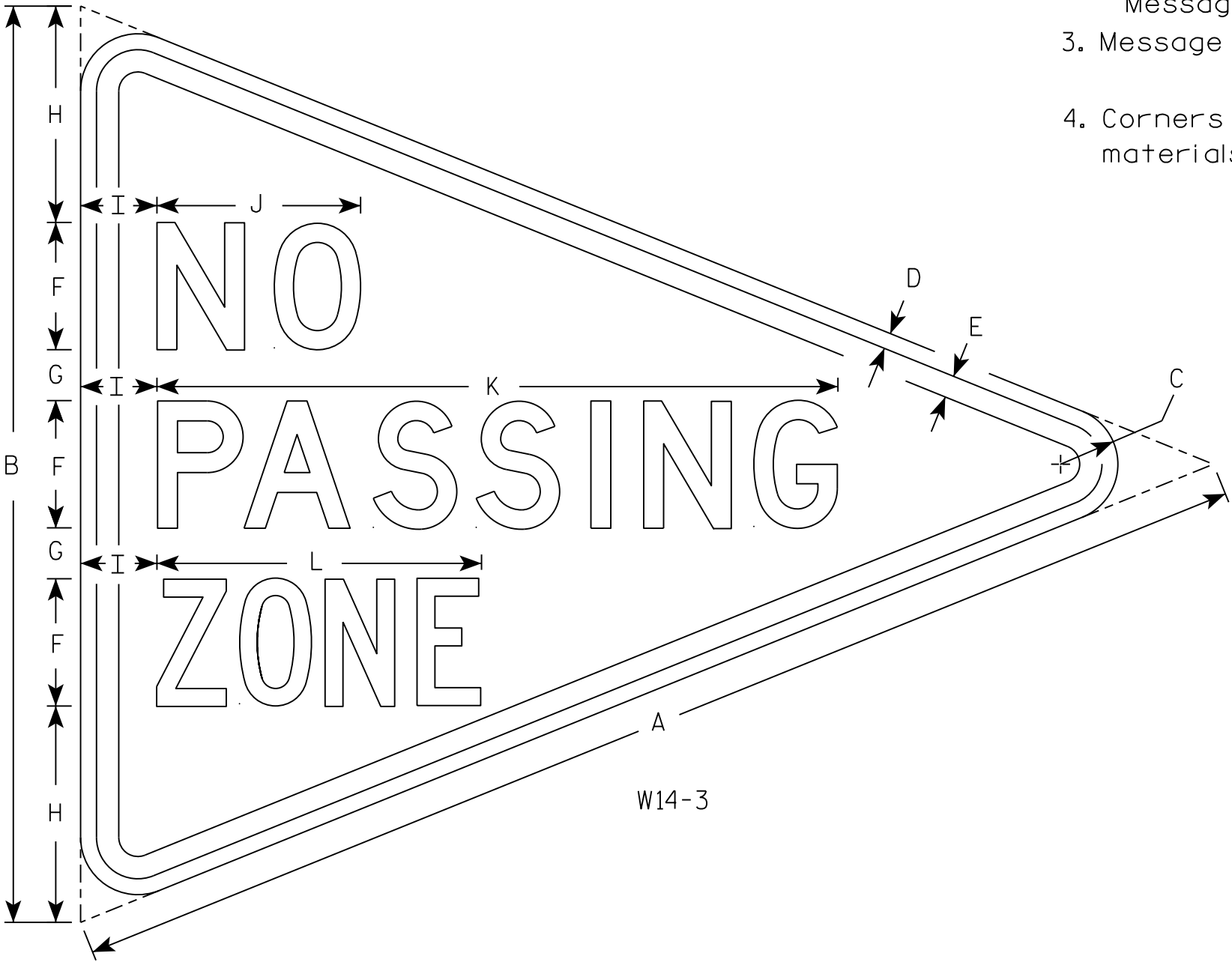
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO: HWY: COUNTY: SHEET NO: 103 E

NOTES

- 1. Sign is Type II- Type F Reflective
- 2. Color:
Background - Yellow
Message - Black
- 3. Message Series - Lines 1 and 2 are Series D.
Line 3 is series C.
- 4. Corners and borders shall be rounded on all base materials for this sign.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

PROJECT NO:

HWY:

COUNTY:

SHEET NO: 104

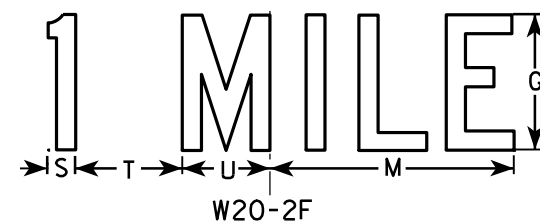
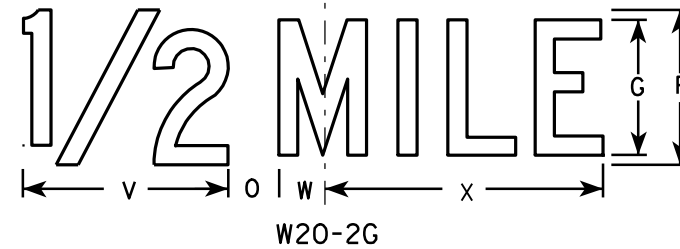
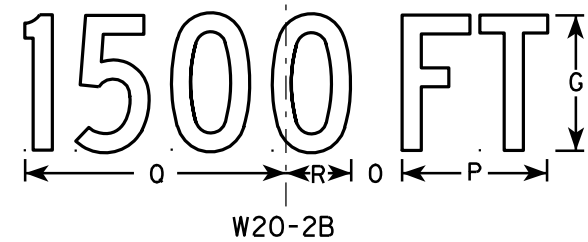
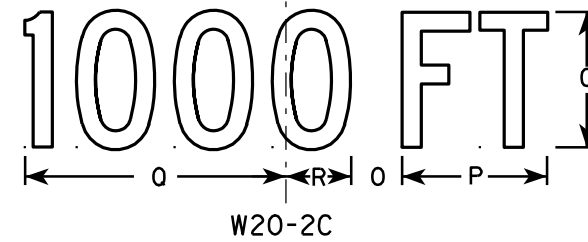
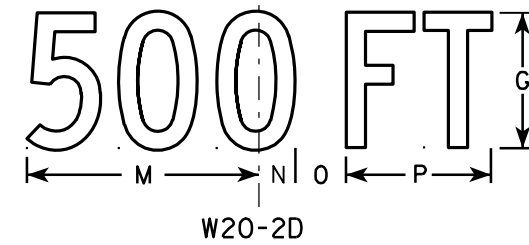
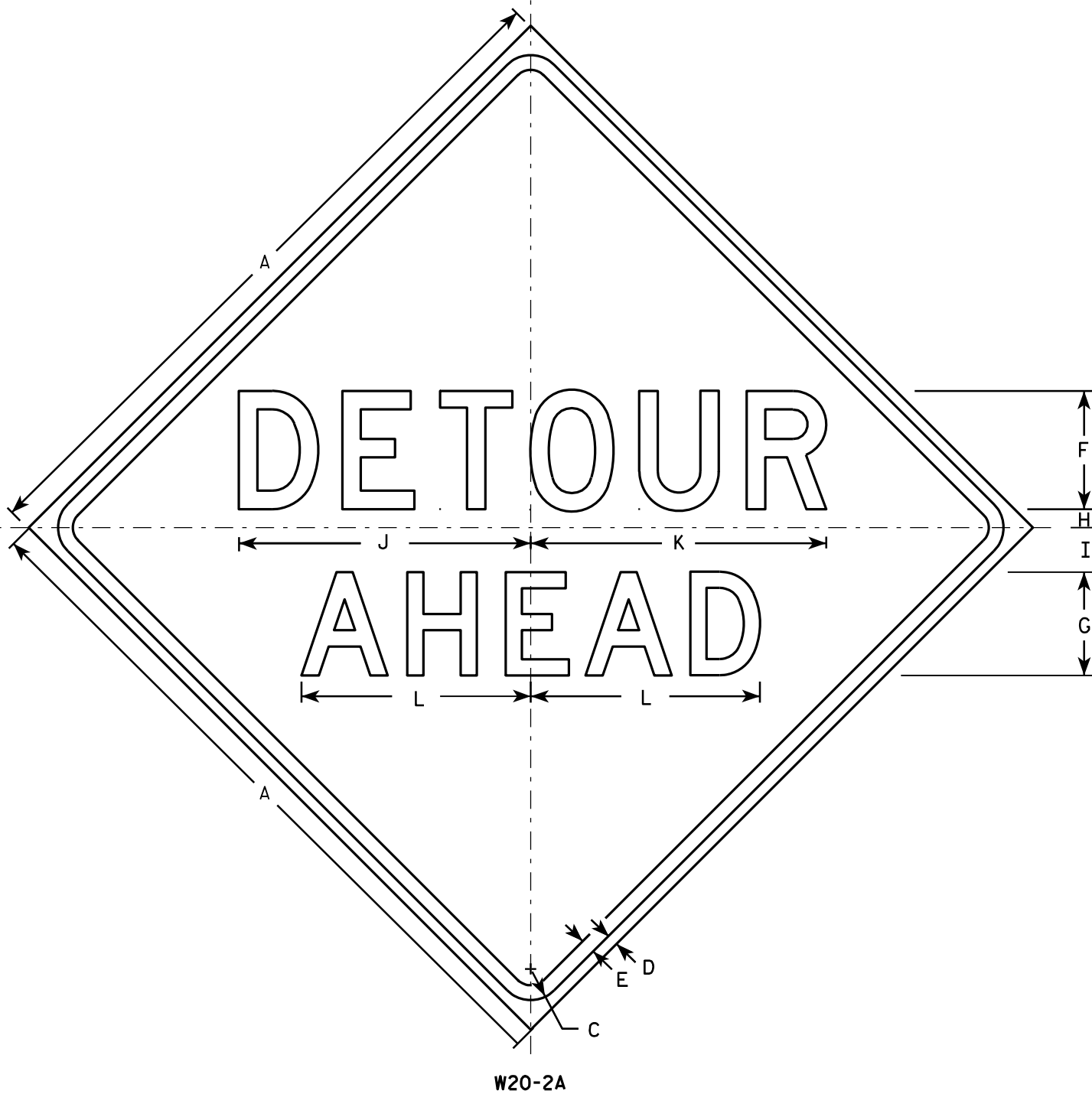
E

STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10



NOTES

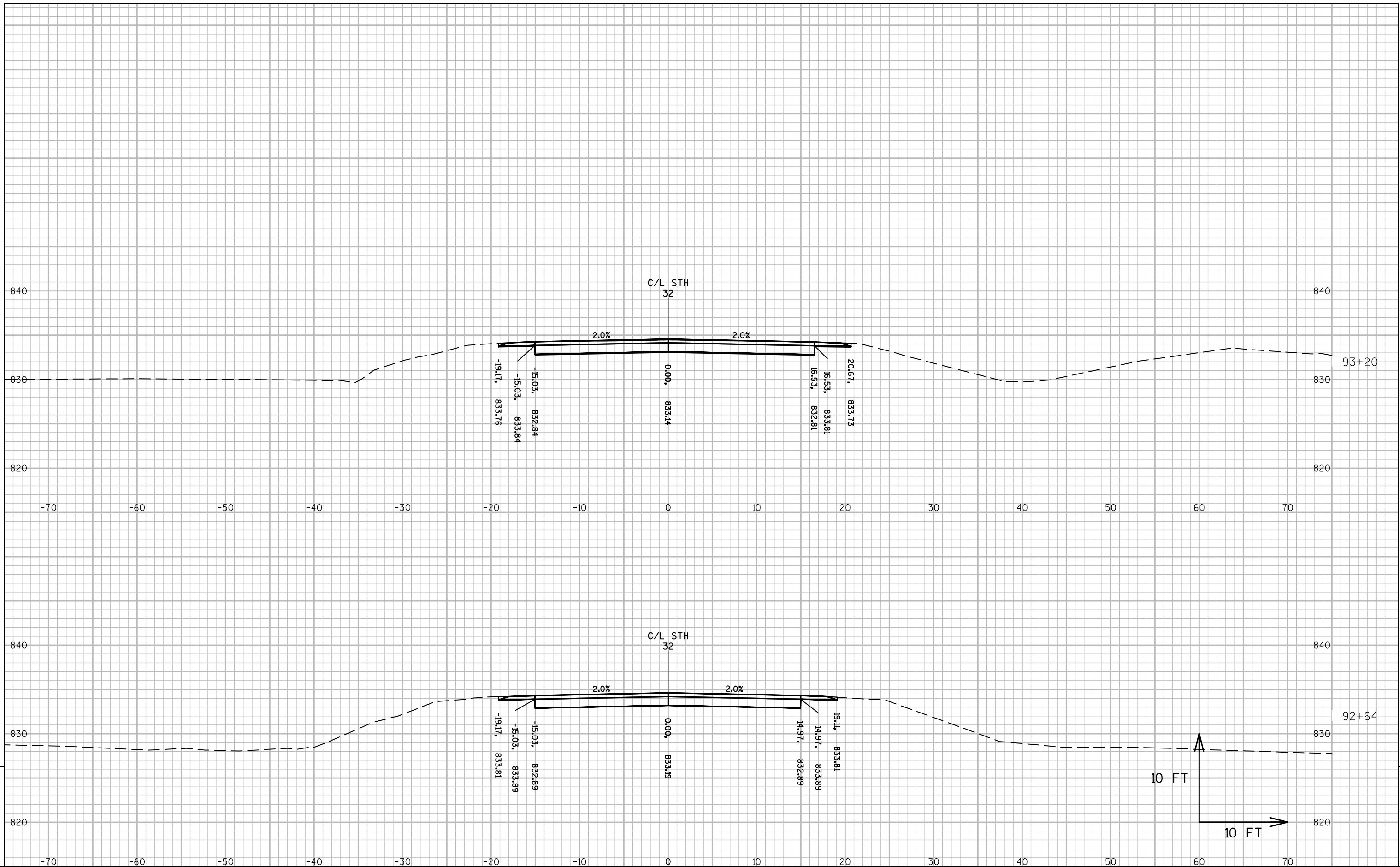
1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
Line 2 is Series D for AHEAD and Series C for all other distances.

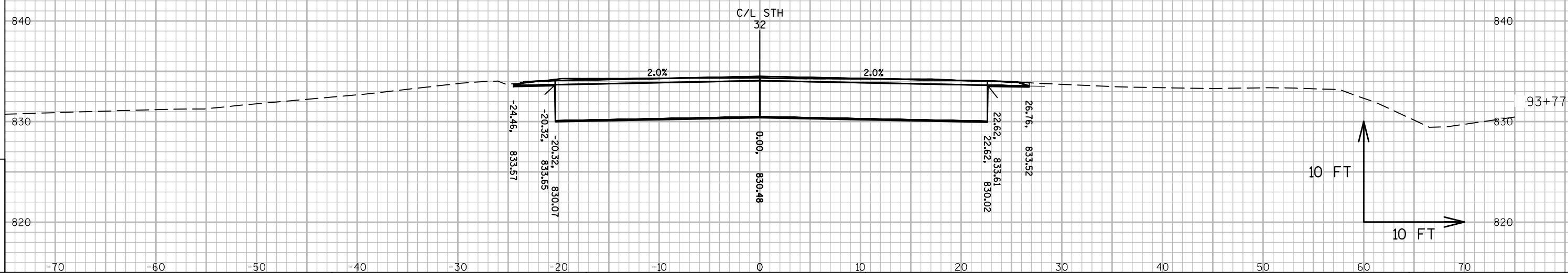
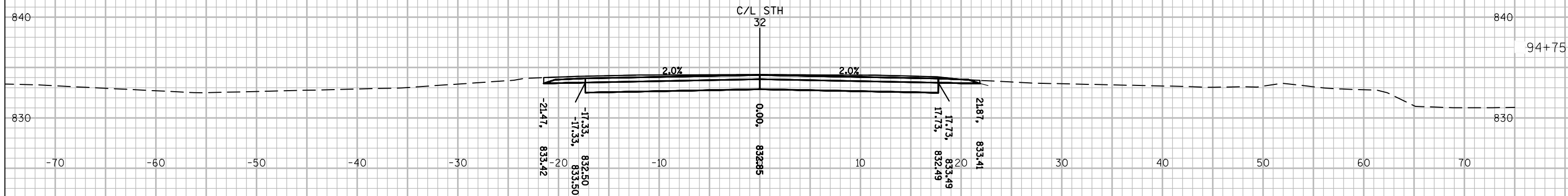
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN	
W20-2A,B,C,D,F & G	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 3/18/11	PLATE NO. W20-2.6

Railroad Crossing

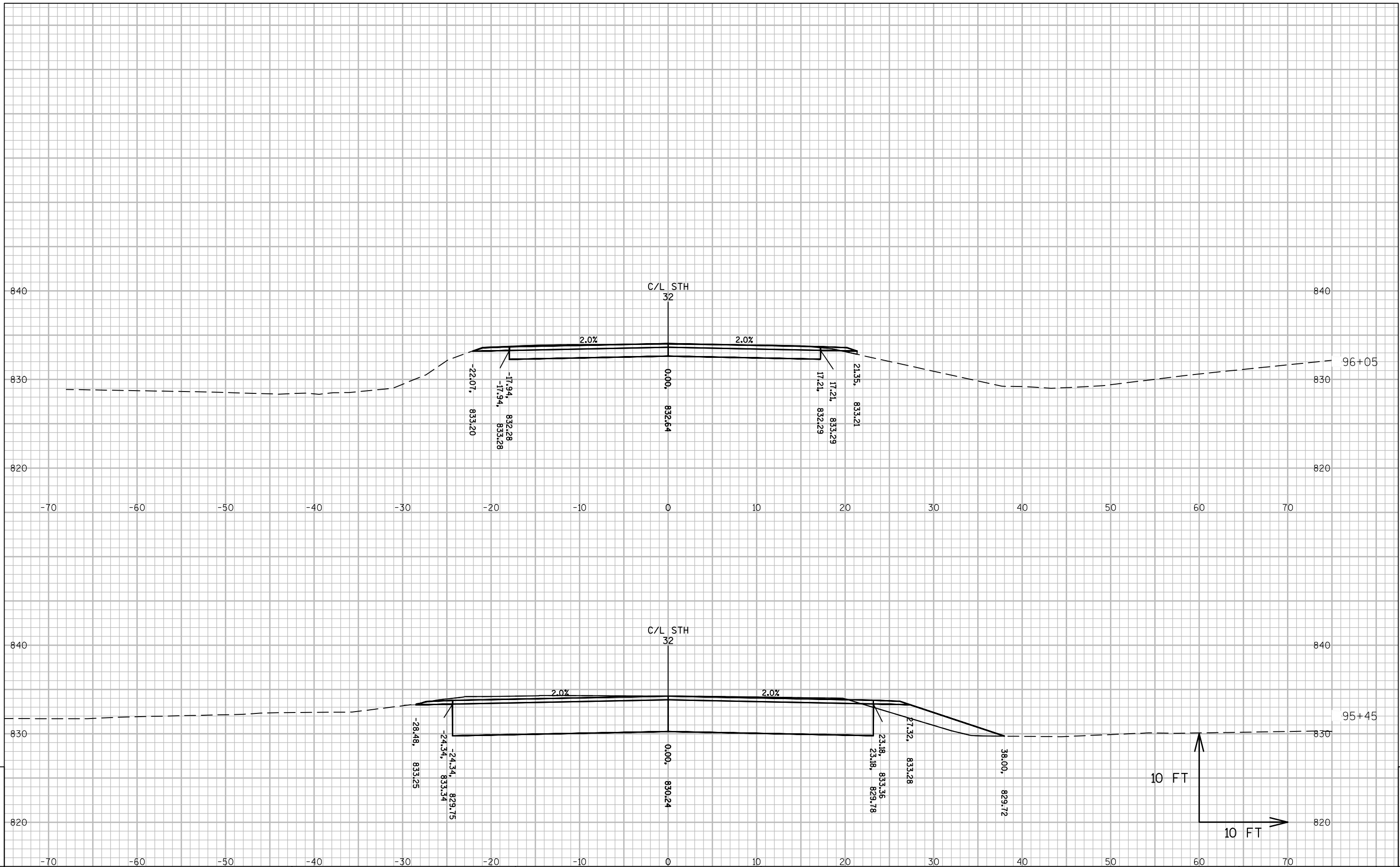
STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
1092+64	0.00	45.33	12.50	0.00	0	0	0	0	0	0
1093+19.82	55.82	49.90	12.50	0.00	98	26	0	98	0	73
1093+77.45	57.63	180.39	12.50	0.00	246	27	0	344	0	292
1094+75	97.55	58.05	12.50	0.00	431	45	0	775	0	677
1095+45.27	70.27	198.88	12.50	15.91	334	33	21	1,109	26	953
1096+05.31	60.04	52.78	12.50	0.32	280	28	18	1,389	48	1,183
1096+45	39.69	49.40	12.50	0.00	75	18	0	1,464	49	1,239
Column Totals					1,464	176	39			



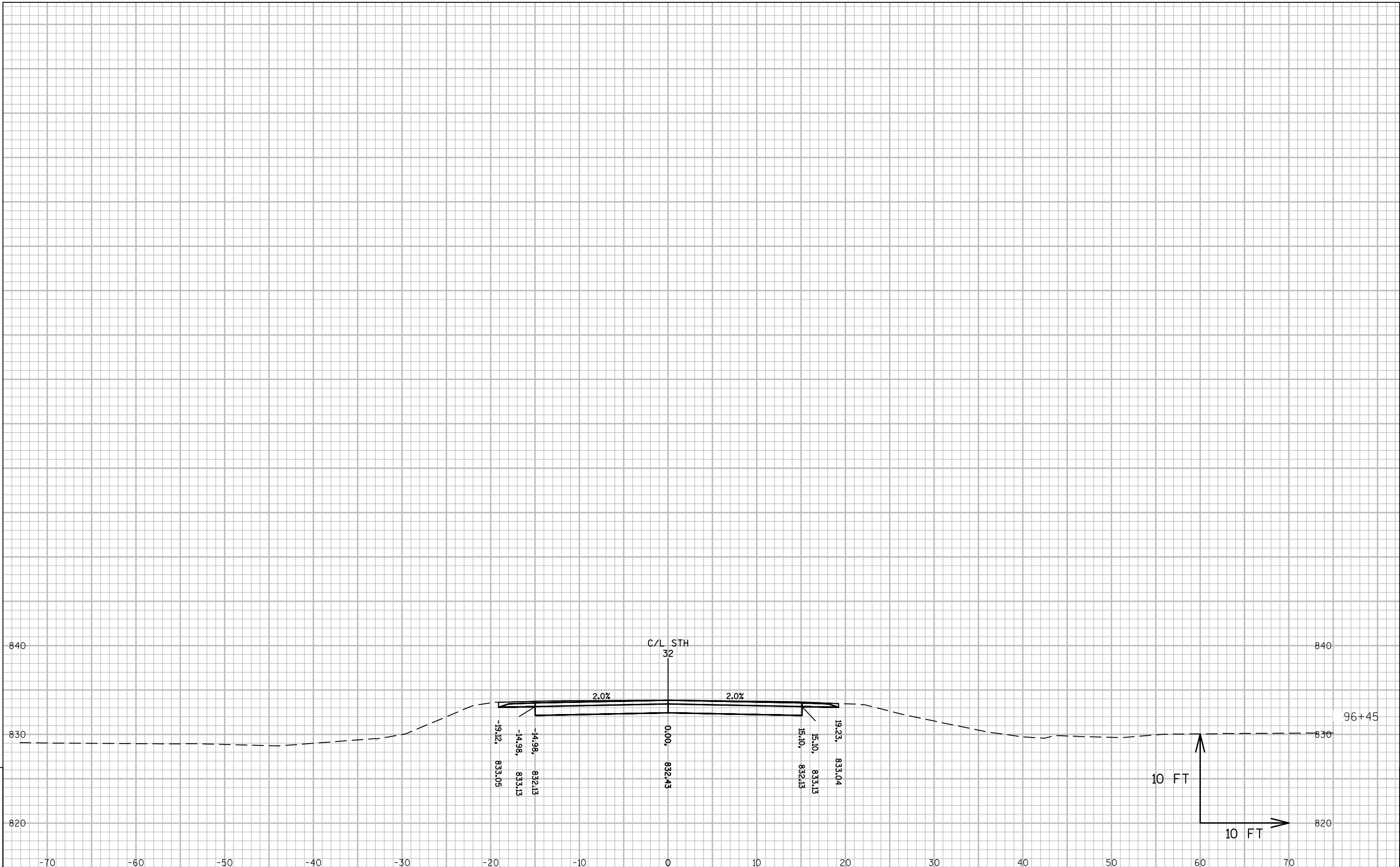


10 FT

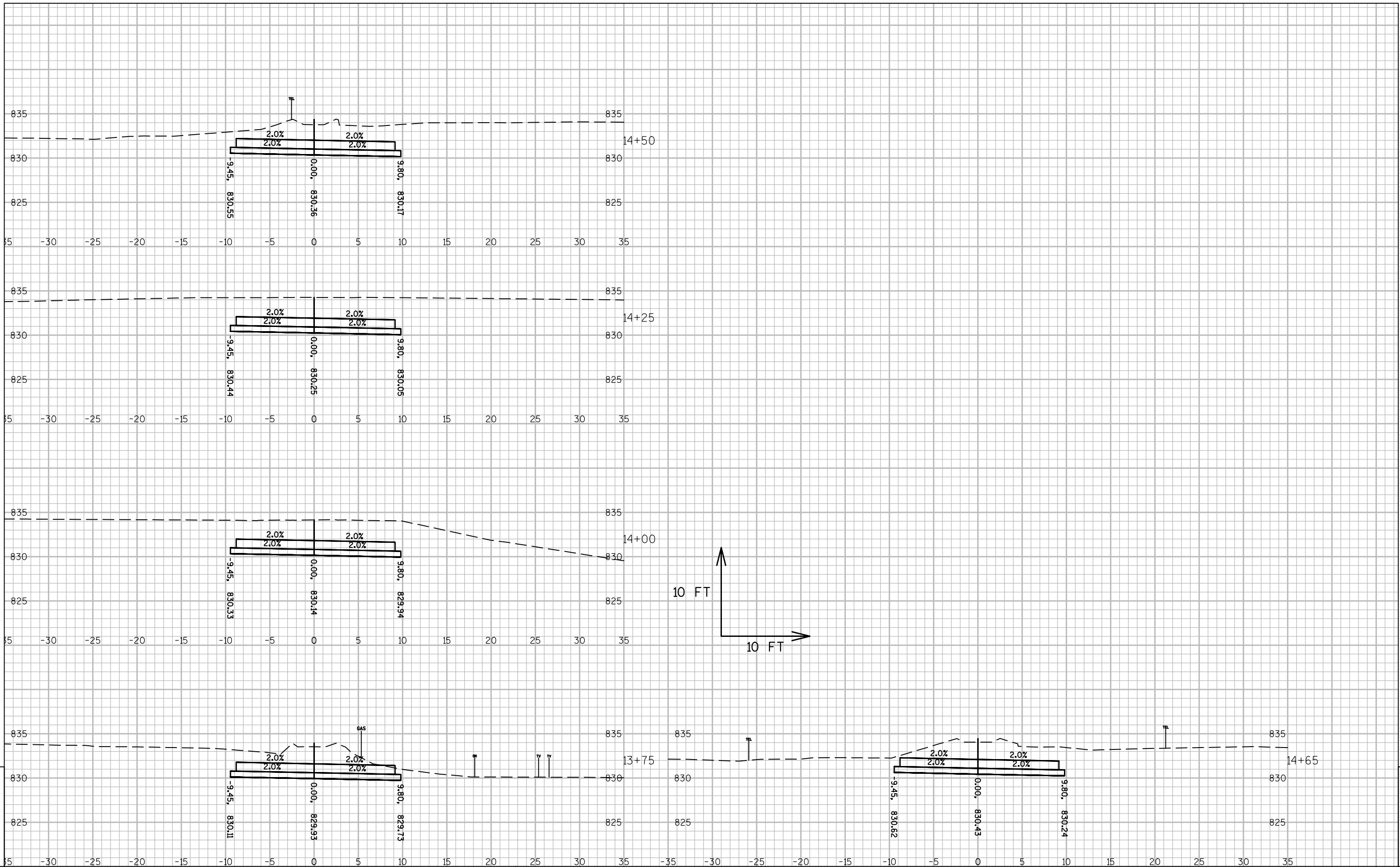
10 FT

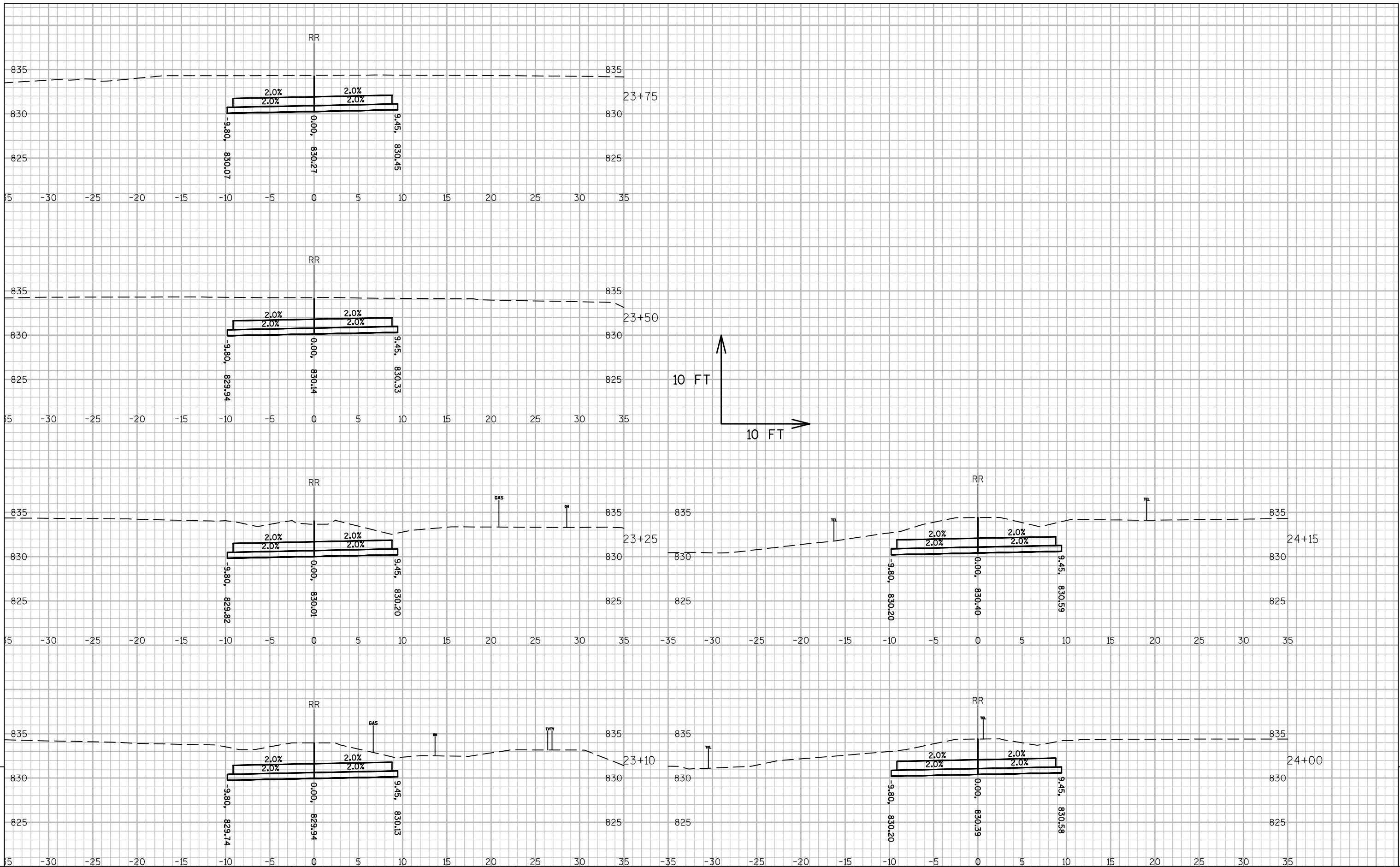


9

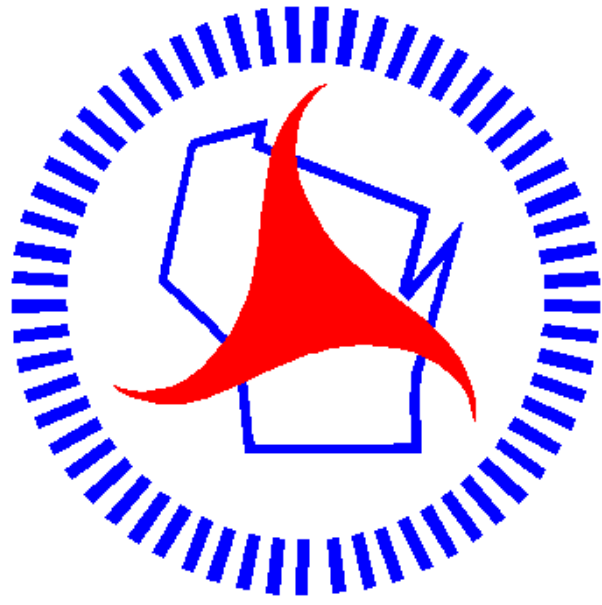


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Notes



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