FEDERAL PROJECT **EAU JANUARY 2016** STATE PROJECT CONTRACT STATE OF WISCONSIN PROJECT ORDER OF SHEETS WISC 2016039 7120-07-70 Section No. 1 Title DEPARTMENT OF TRANSPORTATION Typical Sections and Details Section No. 2 Estimate of Quantitles Section No. 3 Miscellaneous Quantitles Section No. 3 PLAN OF PROPOSED IMPROVEMENT ₽ Right of Way Plat Section No. 4 Plan and Profile Section No. 5 Standard Detail Drawings Section No. 6 **ROCK FALLS - EAU CLAIRE** Section No. 7 Sign Plates Section No. 8 Structure Plans Computer Earthwork Data 1010TH STREET TO STH 37 9 Section No. 9 Cross Sections **STH 85** TOTAL SHEETS = 142 **DUNN & EAU CLAIRE COUNTY** STATE PROJECT NUMBER STRUCTURE B-18-89 7120-07-70 DUNN CO. | EAU CLAIRE CO. CRESCENT END PROJECT STA. 338+53,4 BEGIN PROJECT STA. 104+00 X = 298129.38 Y = 258586.49 DESIGN DESIGNATION 7120-07-70 A.A.D.T. 2016 = 3000 A.A.D.T. 2036 = 4000 6 D.H.V. = 524 = 60/40D.D. = 15.6% DESIGN SPEED = 60 MPH = 1,358,000 ESALS TRAIL 190TH AVE RIVER CHIPPEWA EQUATION: STA. 306+45.36 BK = CONVENTIONAL SYMBOLS STA. 306+67.83 AH PROFILE PI AN RDJENE GRADE LINE 1707 H AVE! SCHUH RD CORPORATE LIMITS Powe ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE akd LOT LINE (To be noted as such) TOWN HALL RD SPECIAL DITCH Qo LIMITED HIGHWAY EASEMENT STATE OF WISCONSIN T-26-N EXISTING RIGHT OF WAY GRADE ELEVATION DEPARTMENT OF TRANSPORTATION PROPOSED OR NEW R/W LINE  $\prod$ FALLS ROCK RDPREPARED BY CULVERT (Profile View) SLOPE INTERCEPT FAA Surveyor UTILITIES REFERENCE LINE GARY KRUG ELECTRIC TARA WEISS ---= =--EXISTING CULVERT FIBER OPTIC Protect Manager DAN OJIBWAY PROPOSED CULVERT Regional Examiner GAS (Box or Pipe) TIMOTHY MASON Regional Supervisor\_ SANITARY SEWER COMBUSTIBLE FLUIDS STORM SEWER 1 MILE TELEPHONE WATER HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY MARSH AREA COORDINATES, EAU CLAIRE COUNTY, NADB3 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID UTILITY PEDESTAL TOTAL NET LENGTH OF CENTERLINE = 4.390 П POWER POLE Ġ DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. Ø WOODED OR SHRUB AREA TELEPHONE POLE PLOT NAME : PLOT BY : KRUG, GARY W PLOT DATE: 3/24/2015 8:42 AM WISDOT/CADDS SHEET 10 FILE NAME : C:\WISDOT\DESIGN\C3D\71200701\BASEDATA\OTHER\TITLE.DWG

#### GENERAL NOTES

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

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

EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE EROSION CONTROL IMPLEMENTATION PLAN. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS FOR CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED

WHEN THE QUANTITY OF BASE COURSE IS MEASURED BY THE TONS, THE DEPTH OR THICKNESS AS SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND UPON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD.

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

#### DNR LIASON

AMY CRONK ENVIRONMENTAL ANALYSIS AND REVIEW SPECIALIST DEPARTMENT OF NATURAL RESOURCES 1300 W. CLAIREMONT AVE. EAU CLAIRE, WI 54702-4001 715-635-4229

### **UTILITIES**

EAU CLAIRE ENERGY COOPERATIVE (ELECTRICITY) 8214 USH 12 P.O. BOX 368 FALL CREEK WI 54742-0368 CONTACT: GARY BRECKA PHONE: 715-836-6474 EMAIL: gbrecka@ecec.com

XCEL ENERGY (ELECTRICITY - TRANSMISSION) 8701 MONTICELLO LANE MAPLE GROVE, MN 55369 CONTACT: CHARLIE DIENGER PHONE: 651-955-1089 (OFFICE) 612-710-1368 (CELL)

EMAIL: Charles.g.dienger@xcelenergy.com

WISDOT (ELECTRICITY) 5009 US 53 SOUTH EAU CLAIRE WI 54701 CONTACT: NWR ELECTRICAL UNIT PHONE: 715-839-3787

### UTILITIES

AT&T WISCONSIN (COMMUNICATION) 304 S DEWEY ST. EAU CLAIRE WI 54701 CONTACT: RICK PODOLAK PHONE: 715-839-5565 (OFFICE) 715-410-0656 (CELL) EMAIL: Rp4514@att.com

DAIRYLAND POWER COOPERATIVE (ELECTRICITY - TRANSMISSION) 3200 EAST AVE. S P.O. BOX 817 LA CROSSE WI 54602 CONTACT: JANE EGGEN PHONE: 608-788-4000 EMAIL: jme@dairynet.com

WINDSTREAM KDL, INC. (COMMUNICATION) 13935 BISHOPS DRIVE BROOKFIELD WI 53005 CONTACT: JIM KOSTLICH PHONE: 262-792-7938

EMAIL: James.kostuch@windstream.com

### <u>UTILITIES</u>

DUNN ENERGY COOPERATIVE (ELECTRICITY) N5725 600TH STREET P.O. BOX 220 MENOMONIE WI 54751 CONTACT: MIKE ANDRASCHKO PHONE: 715-232-6240 (OFFICE) 715-308-1553 (CELL) EMAIL: mandra@dunnenergy.com

XCEL ENERGY (GAS/PETROLEUM) P.O. BOX 8 EAU CLAIRE. WI 54702 CONTACT: SCOTT J. SEAHOLM PHONE: 715-737-2584 (OFFICE) 715-577-3381 (CELL)

EMAIL: Scott.j.seaholm@xcelenergy.com

### **ABBREVIATIONS**

ANNUAL AVERAGE DAILY TRAFFIC BASE AGGREGATE DENSE B.A.D. CENTERLINE C/L CULVERT PIPE STEEL C.S.C.P. CORRUGATED STEEL CULVERT PIPE CLIRIC YARD

DAILY DIRECTIONAL SPLIT (TRAFFIC VOLUME) DAILY HOURLY TRAFFIC ENERGY ABSORBING TERMINAL FI EVATION EL.

EQUIVALENT SINGLE AXLE LOADS FE F0 FIELD ENTRANCE FIBER OPTIC INV. INVERT POUND LF LT. LINEAR FEET

LEFT

MAXIMUM MGS MIN. NOR. MIDWEST GUARDRAIL SYSTEM MINIMUM

NORMAL NO PASSING ZONE OH P.E. OVERHEAD PRIVATE ENTRANCE POINT OF INTERSECTION P.I. REQ'D REQUIRED R/L REFERENCE LINE RT. RIGHT OF WAY

STANDARD DETAIL DRAWING SUPERELEVATION S.D.D. SE STATION

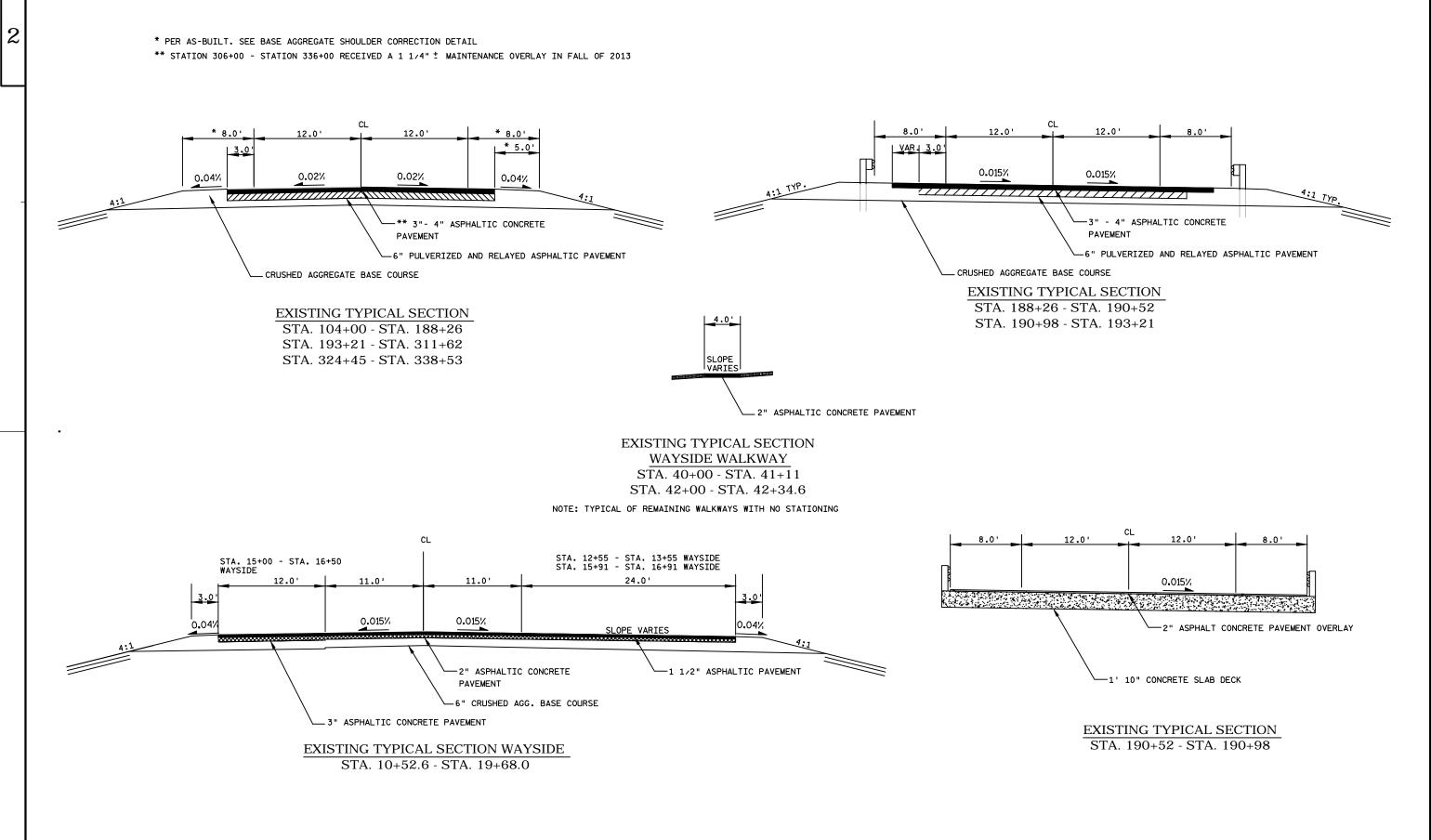
SQUARE FOOT STATE HIGHWAY SF STH SQUARE YARD SY PERCENT OF TRUCK TRAFFIC

T. TYP. TYPICAL VAR. VARIES

PROJECT NO: 7120-07-70 HWY: STH 85 COUNTY: DUNN & EAU CLAIRE GENERAL NOTES FILE NAME : C:\WISDOT\DESIGN\C3D\71200701\SHEETSPLAN\020101\_GN.DWG PLOT DATE: 2/18/2015 3:30 PM PLOT BY : KRUG, GARY W PLOT NAME : PLOT SCALE : 1 IN:200 FT

SHEET

Ε



FILE NAME : C:\WISDOT\DESIGN\C3D\71200701\SHEETSPLAN\020301\_TS\_REV.DWG

HWY:STH 85

PROJECT NO: 7120-07-70

PLOT DATE : 7/8/2015 7:08 AM

COUNTY: DUNN & EAU CLAIRE

EXISTING TYPICAL SECTIONS

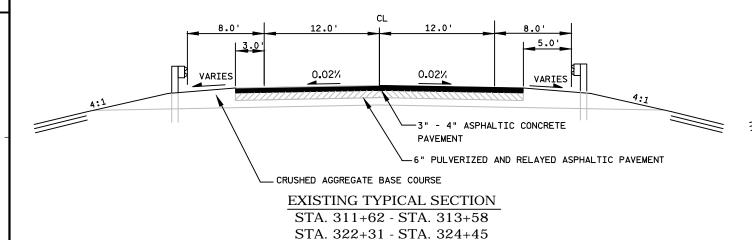
PLOT BY: KRUG, GARY W P

PLOT NAME :

PLOT SCALE : 1 IN:10 FT

SHEET





BASE AGGREGATE DENSE 3/4-INCH

12.0'

12.0'

12.0'

NAR.

0.02%

VAR.

0.04%

3-1/2" HMA PAVEMENT
TYPE E-3 SPECIAL

4" REMOVING ASPHALTIC SURFACE MILLING
PREPARATION OF FOUNDATION FOR ASPHALTIC PAVING SPECIAL STH 85

2" HMA PAVEMENT TYPE E-3 SPECIAL

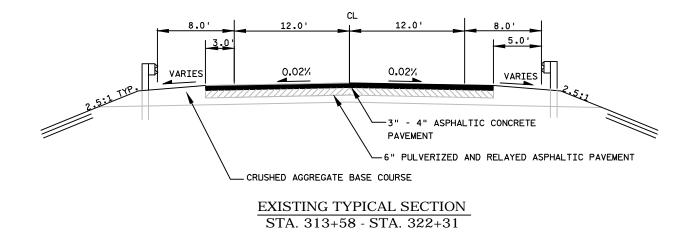
PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS SPECIAL

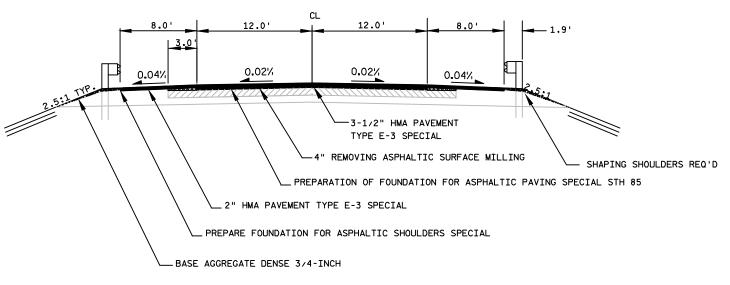
BARRIER SYSTEM GRADING SHAPING FINISHING

# FINISHED TYPICAL SECTION STA. 311+62 - STA. 313+58

STA. 322+31 - STA. 324+45

NOTE: CONSTRUCT 3-1/2" HMA PAVEMENT TYPE E-3 SPECIAL WITH A 1-1/2" LEVELING 12.5 MM MIX LAYER AND A 2" UPPER 12.5 MM MIX LAYER

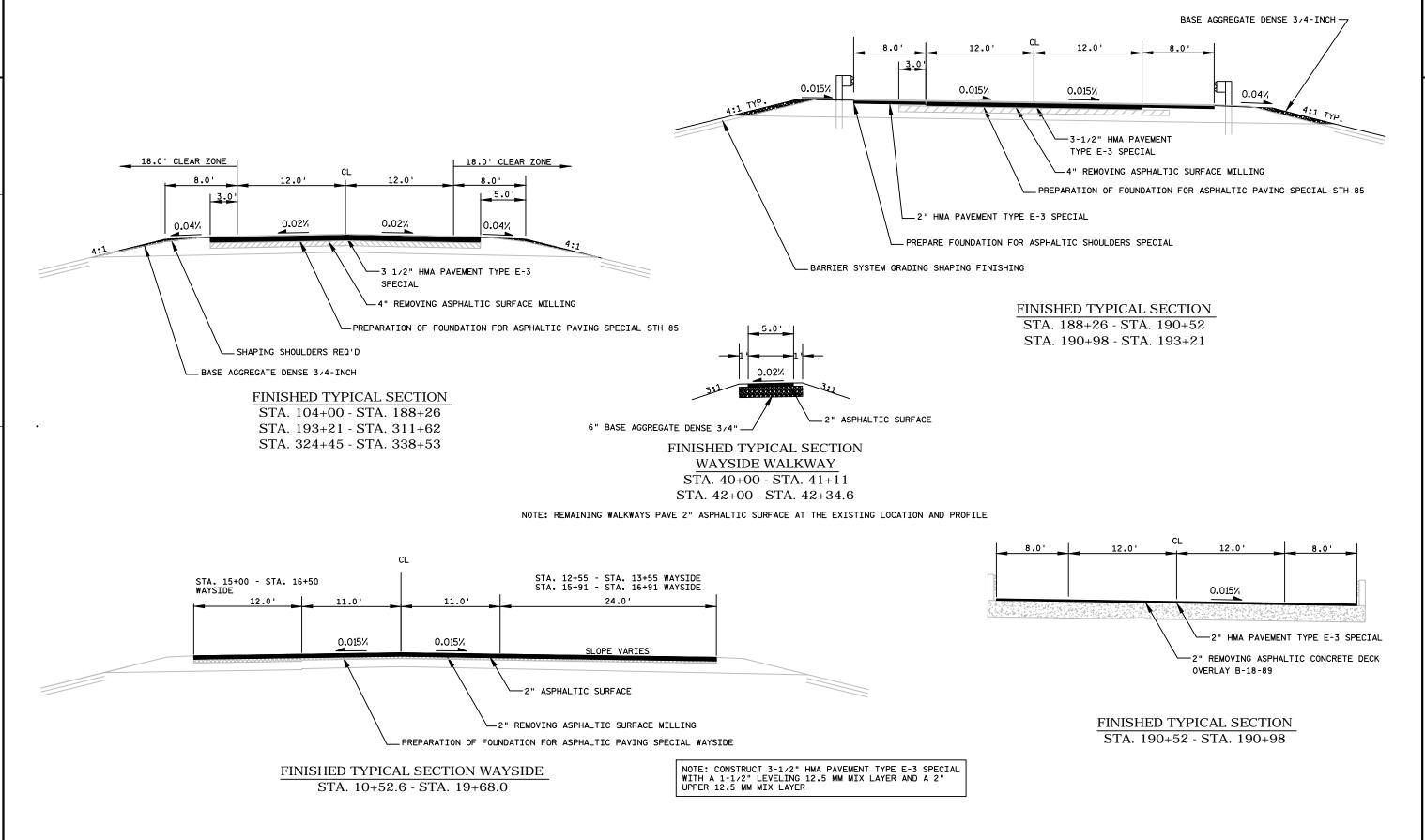




FINISHED TYPICAL SECTION STA. 313+58 - STA. 322+31

PROJECT NO:7120-07-70 HWY:STH 85 COUNTY:DUNN & EAU CLAIRE EXISTING/FINISHED TYPICAL SECTIONS SHEET E



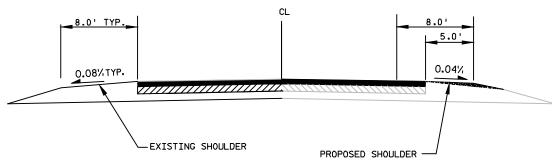


HWY: STH 85

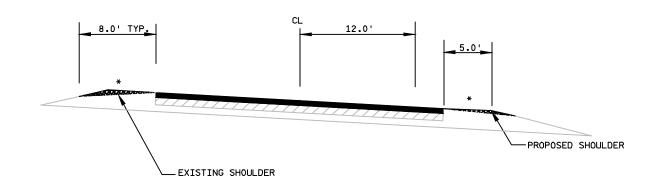
PROJECT NO: 7120-07-70

COUNTY: DUNN & EAU CLAIRE

SHEET



### TANGENT SECTION



\* SEE CHART FOR SHOULDER SLOPES

### SUPERELEVATED SECTION

	1		1	1
CURVE NO.	LEFT SIDE	LEFT SIDE	RIGHT SIDE	RIGHT SIDE
	EXISTING SLOPE	PROPOSED SLOPE	EXISTING SLOPE	PROPOSED SLOPE
CURVE 1	-0.6%	+5.5%	-11.9%	-5.5%
CURVE 2	-9.8%	-5.5%	-4.4%	+5.5%
CURVE 3	-5.5%	+2.7%	-11.6%	-4.0%
CURVE 4	-7.1%	+1.5%	-8.7%	-4.0%
CURVE 5	10.1%	-4.0%	-10.7%	-4.0%
CURVE 6	-5.7%	+4.5%	-8.8%	-4.5%
CURVE 7	-11.7%	-5.3%	-5.5%	+5.3%
CURVE 8	-5.0%	+4.5%	-11.0%	-4.5%

NOTE: EXISTING SLOPES ARE THE AVERAGE THROUGH THE CURVE

### BASE AGGREGATE SHOULDER CORRECTION DETAIL

HWY:STH 85

COUNTY: DUNN & EAU CLAIRE

CONSTRUCTION DETAILS

PLOT NAME :

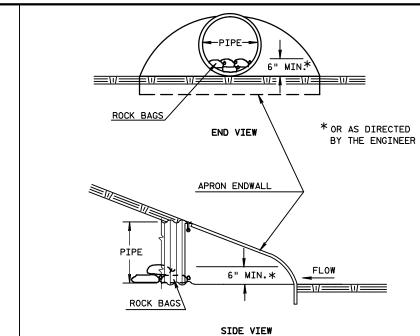


SHEET

# EROSION MAT TREATMENT AT CULVERTS

ENDWALL

VARIABLE



# CULVERT PIPE CHECK

# SUPERELEVATION TABLES

<u>STATION</u>	LEFT	RIGHT	DESCRIPTION
CURVE 1 104+65 105+19 105+72 106+66 111+67 112+61	(e=5.5%, T=200 NC 0.0 2.0 5.5 5.5 2.0		NORMAL CROWN LEVEL CROWN REVERSE CROWN FULL SUPER FULL SUPER REVERSE CROWN
113+14 113+68	0.0 NC	-2.0 NC	LEVEL CROWN NORMAL CROWN

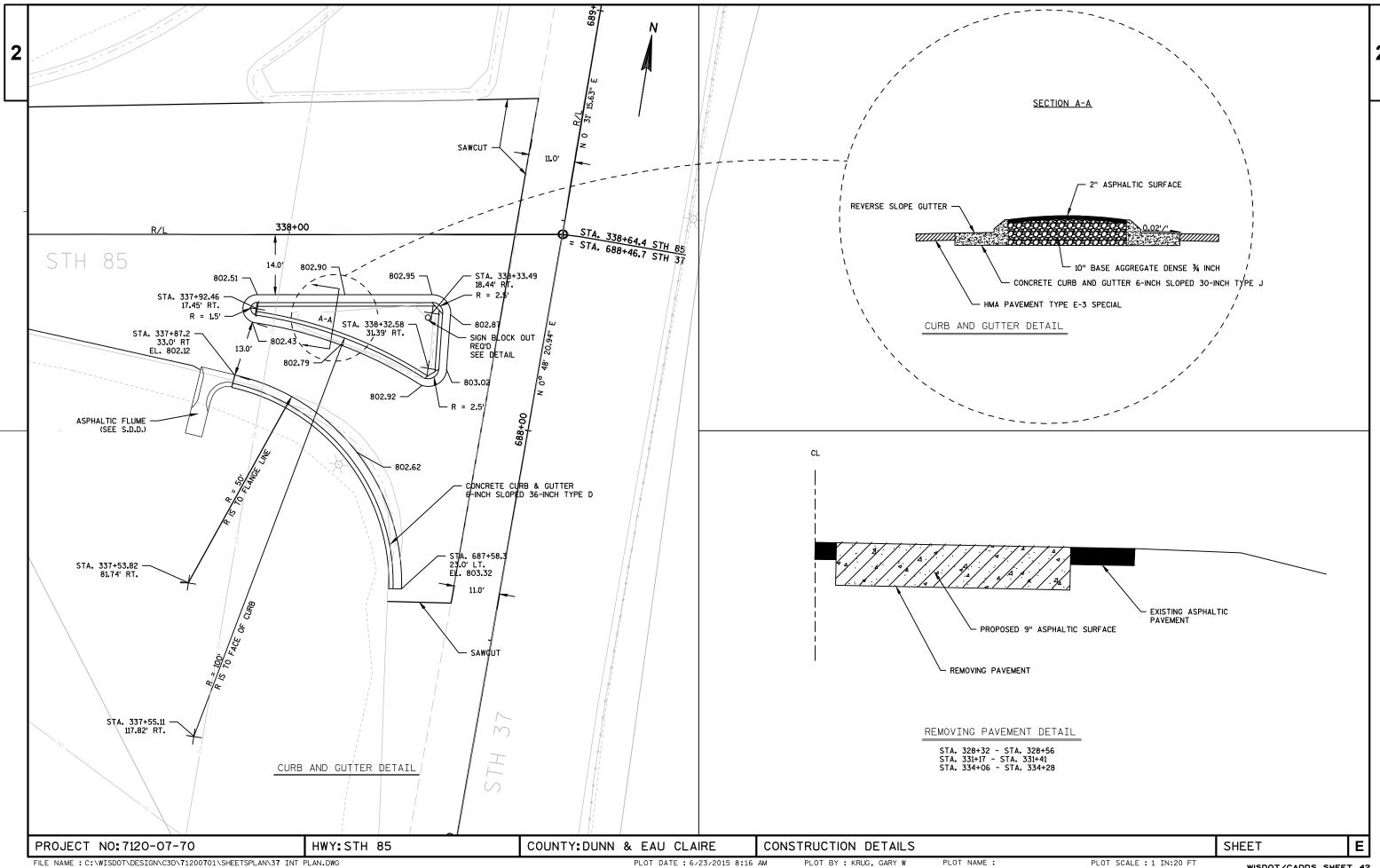
CURVE	5	(e=NC)
COILLE		10 1107

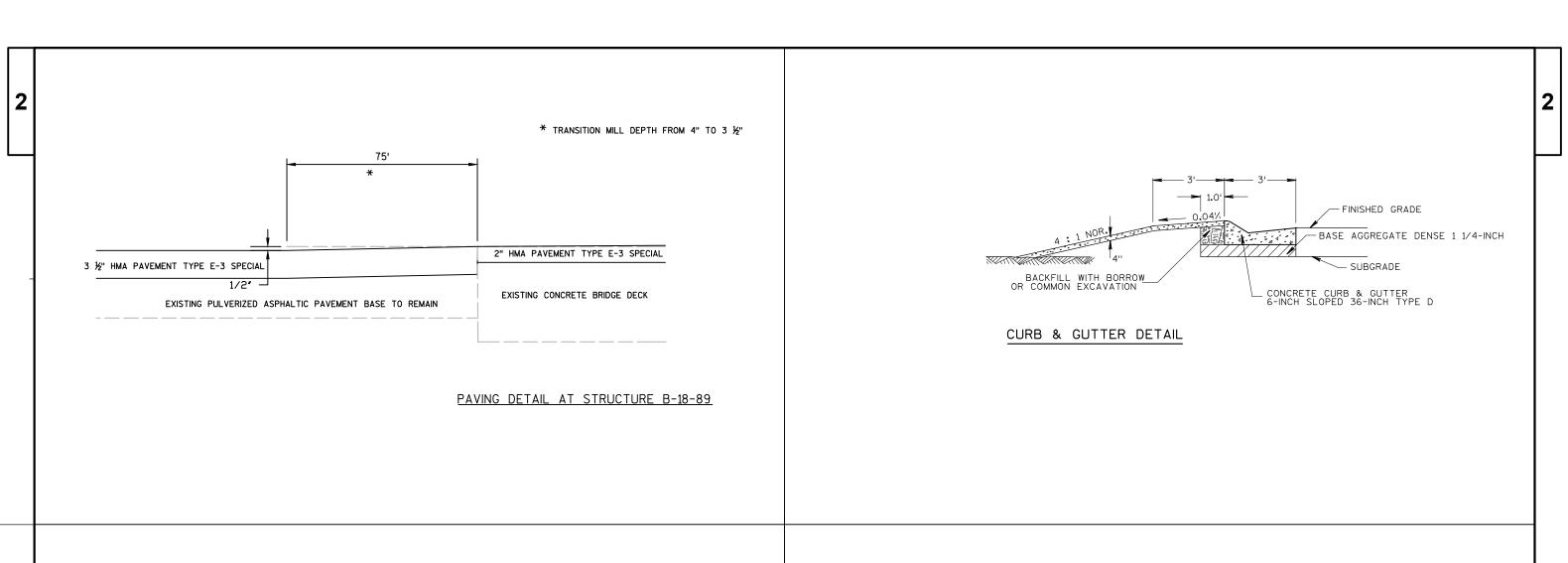
104+65 105+19 105+72 106+66 111+67 112+61 113+14 113+68	NC 0.0 2.0 5.5 5.5 2.0 0.0 NC	0.46, L=147) NC -2.0 -5.5 -5.5 -2.0 -2.0 NC	NORMAL CROWN LEVEL CROWN REVERSE CROWN FULL SUPER FULL SUPER REVERSE CROWN LEVEL CROWN NORMAL CROWN					
STATION	LEFT	RIGHT	DESCRIPTION	STATION	<u>LEFT</u>	RIGHT	DESCRIPTION.	
CURVE 2 114+70 115+24 115+77 116+71 126+44 127+38 127+91 128+45	(e=5.5%, T=20 NC -2.0 -5.5 -5.5 -2.0 -2.0 NC	NC 0.0 0.0 2.0 5.5 5.5 2.0 0.0 NC	NORMAL CROWN LEVEL CROWN REVERSE CROWN FULL SUPER FULL SUPER REVERSE CROWN LEVEL CROWN NORMAL CROWN	CURVE 6 273+49 274+92 274+55 275+22 282+27 282+93 283+47 284+00	(e=4.5%, T=17: NC 0.0 2.0 4.5 4.5 2.0 0.0 NC	3.33, L=120) NC -2.0 -2.0 -4.5 -4.5 -2.0 -2.0 NC	NORMAL CROWN LEVEL CROWN REVERSE CROWN FULL SUPER FULL SUPER REVERSE CROWN LEVEL CROWN NORMAL CROWN	
<u>STATION</u>	<u>LEFT</u>	RIGHT	DESCRIPTION	<u>STATION</u>	LEFT	RIGHT	DESCRIPTION	
CURVE 3 131+21 131+74 132+27 132+46 142+14 142+33 142+86 143+39	(e=2.7%, T=12: NC 0.0 2.0 2.7 2.7 2.0 0.0 NC	5.33, L=72) NC -2.0 -2.7 -2.7 -2.7 -2.0 -2.0 NC	NORMAL CROWN LEVEL CROWN REVERSE CROWN FULL SUPER FULL SUPER REVERSE CROWN LEVEL CROWN NORMAL CROWN	CURVE 7 288+01 288+55 289+08 289+96 305+96 307+06 307+59 308+13	(e=5.3%, T=19- NC -2.0 -2.0 -5.3 -5.3 -2.0 -2.0 NC	4.21, L=141) NC 0.0 2.0 5.3 5.3 2.0 0.0 NC	NORMAL CROWN LEVEL CROWN REVERSE CROWN FULL SUPER FULL SUPER REVERSE CROWN LEVEL CROWN NORMAL CROWN	
STATION	<u>LEFT</u>	RIGHT	DESCRIPTION	STATION	<u>LEFT</u>	RIGHT	DESCRIPTION	
CURVE 4 183+84 184+37 184+77 195+04 195+44 195+97	(e=1.5%, T=92. NC 0.0 1.5 1.5 0.0 NC	.75, L=53) NC -1.5 -1.5 -1.5 -1.5 NC	NORMAL CROWN LEVEL CROWN FULL SUPER FULL SUPER LEVEL CROWN NORMAL CROWN	CURVE 8 322+72 323+26 323+79 324+46 333+50 334+17 334+70 335+23	(e=4.5%, T=17: NC 0.0 2.0 4.5 4.5 2.0 0.0 NC	3.33, L=120) NC -2.0 -2.0 -4.5 -4.5 -2.0 -2.0 NC	NORMAL CROWN LEVEL CROWN REVERSE CROWN FULL SUPER FULL SUPER REVERSE CROWN LEVEL CROWN NORMAL CROWN	

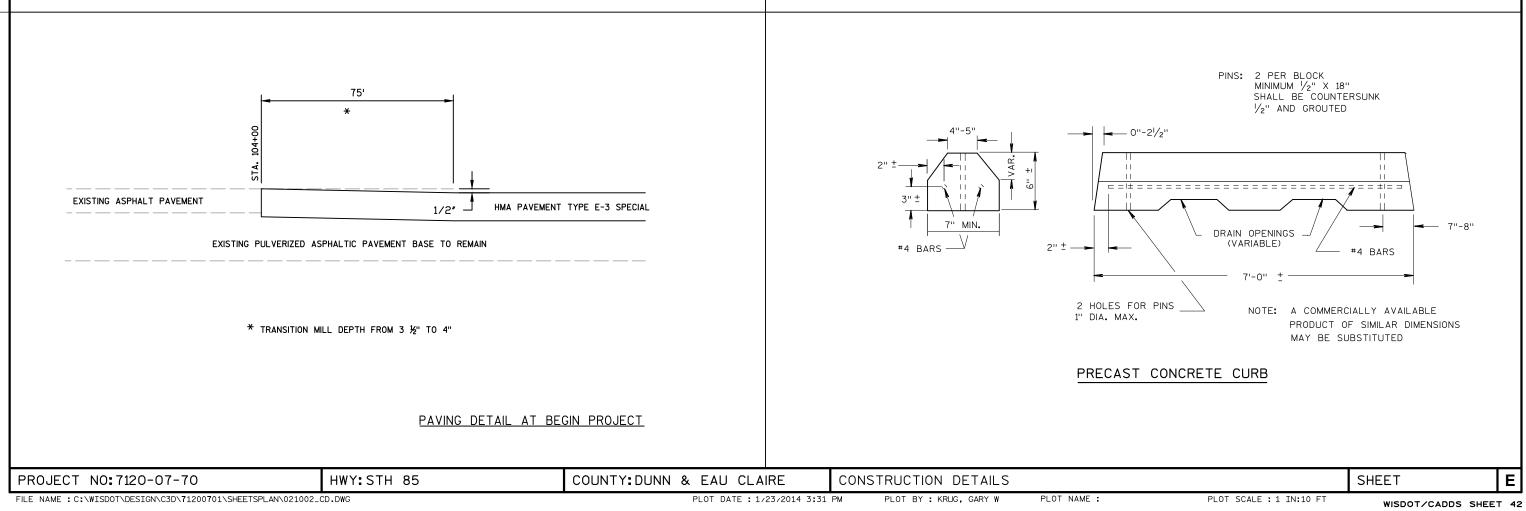
AS

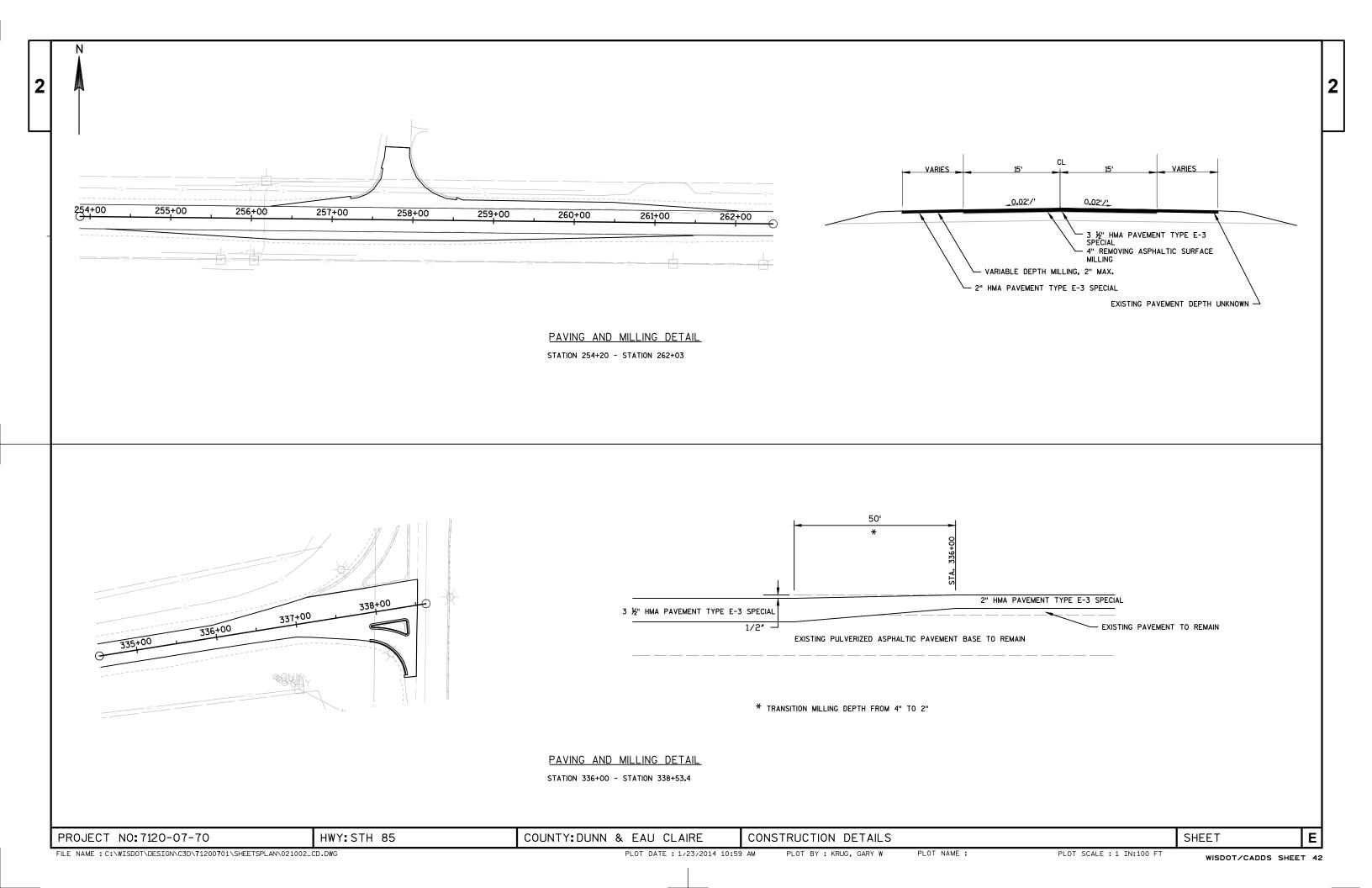
PROJECT NO: 7120-07-70

EROSION MAT

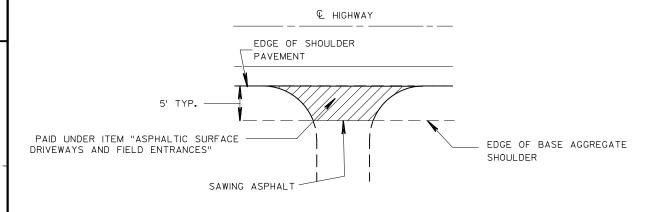








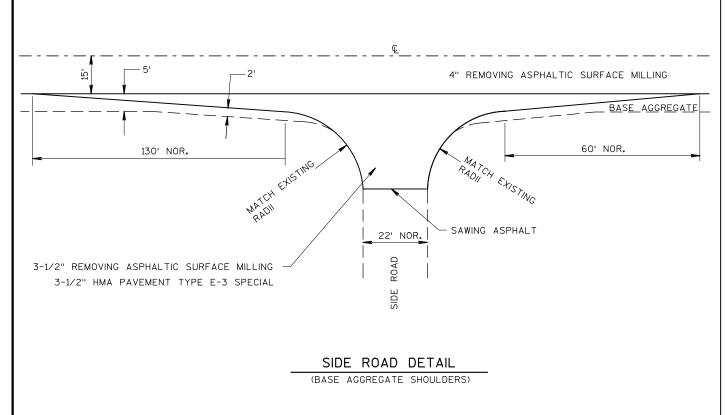




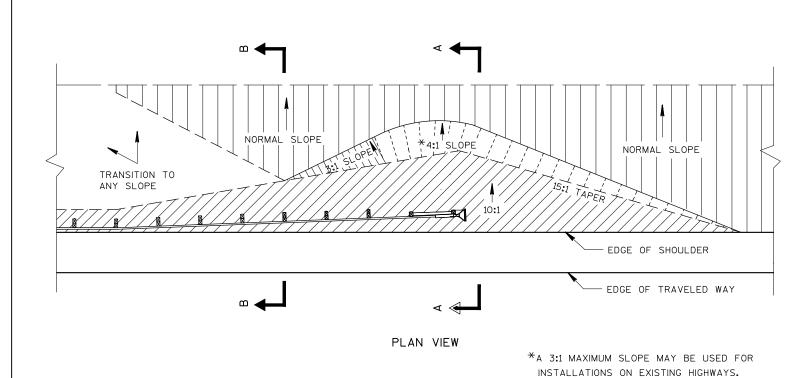
PLAN VIEW

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL PAVED DRIVEWAY DETAIL



HWY:STH 85



SHOULDER

SHOULDER

SHOULDER

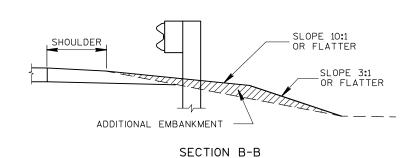
SLOPE 10:1
OR FLATTER

HINGE POINT

\*SLOPE 4:1
OR FLATTER

ADDITIONAL EMBANKMENT

NORMAL SLOPE



SECTION A-A

FILL AREA AT BEAM GUARD

COUNTY: DUNN \$ EAU CLAIRE CONSTRUCTION DETAILS SHEET **E** 

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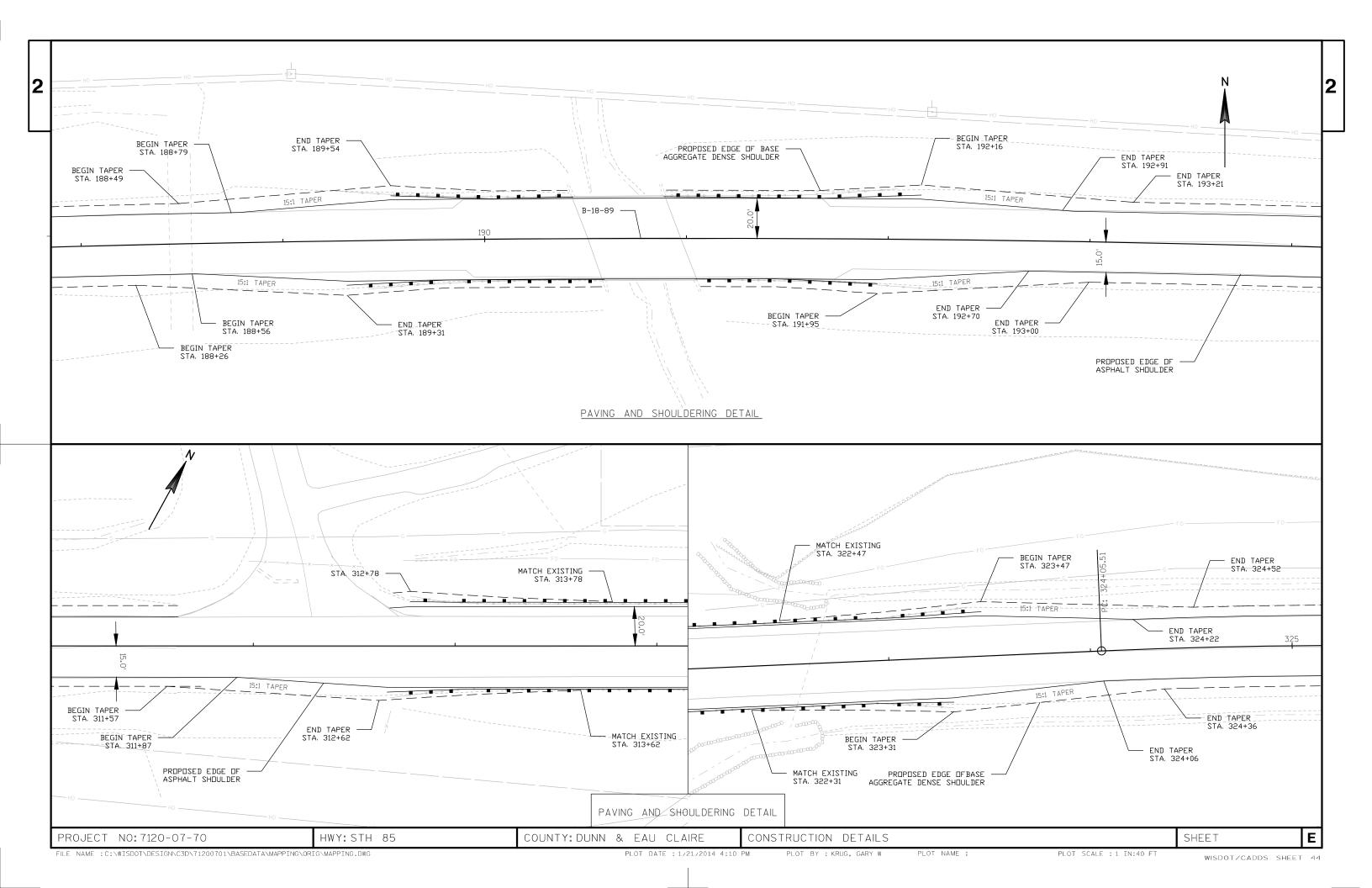
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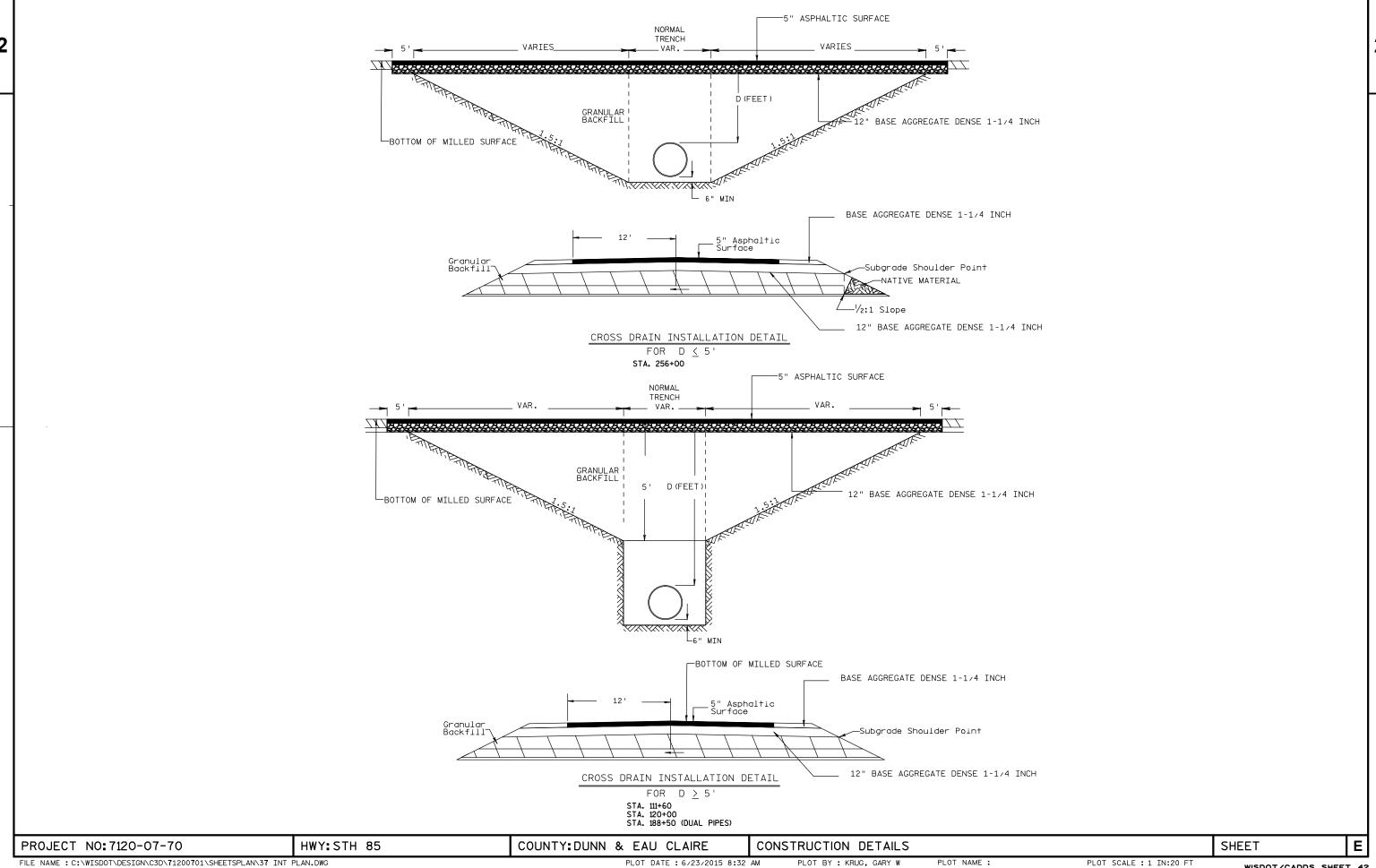
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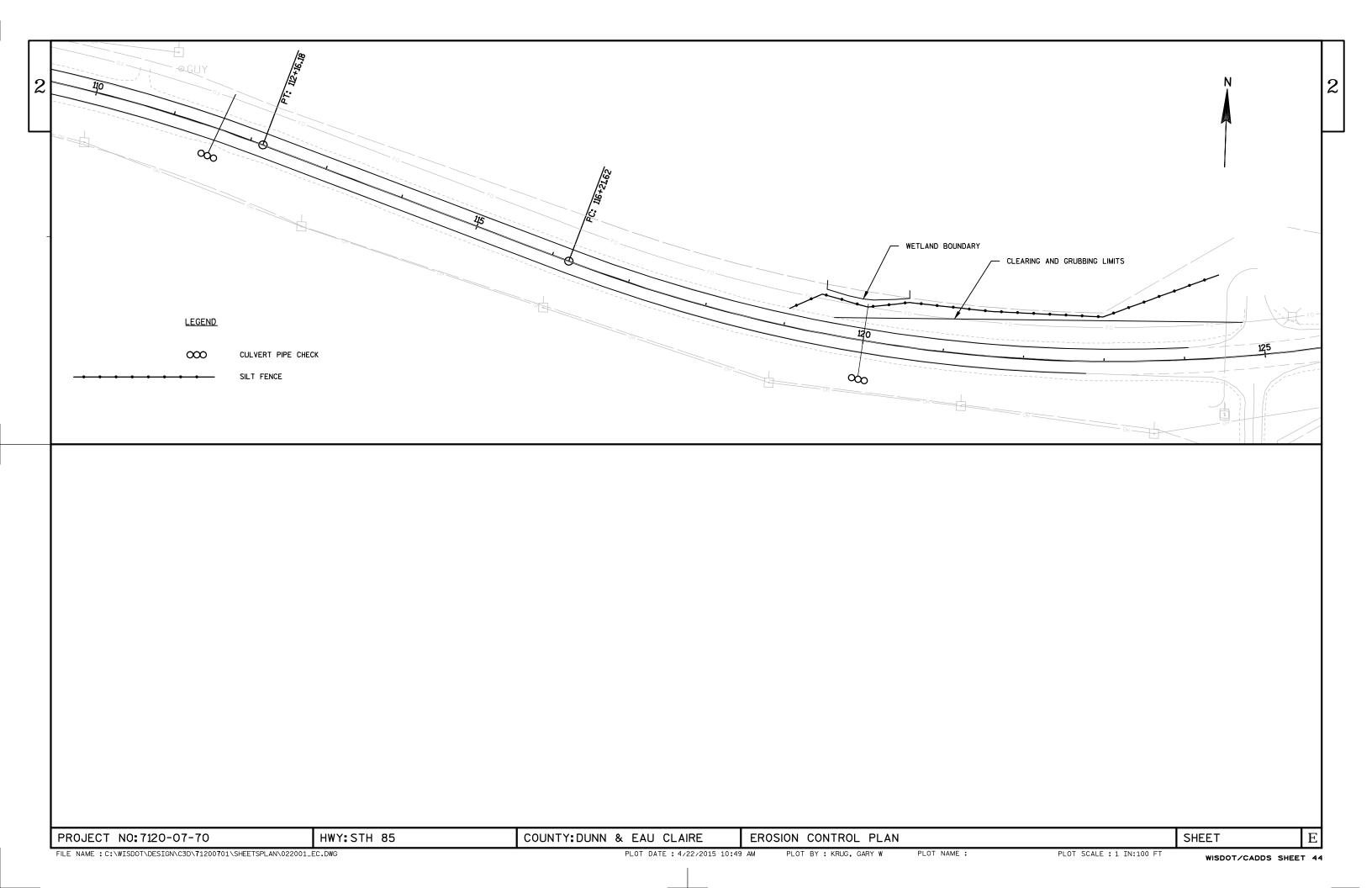
PLOT BY : KRUG, GARY W

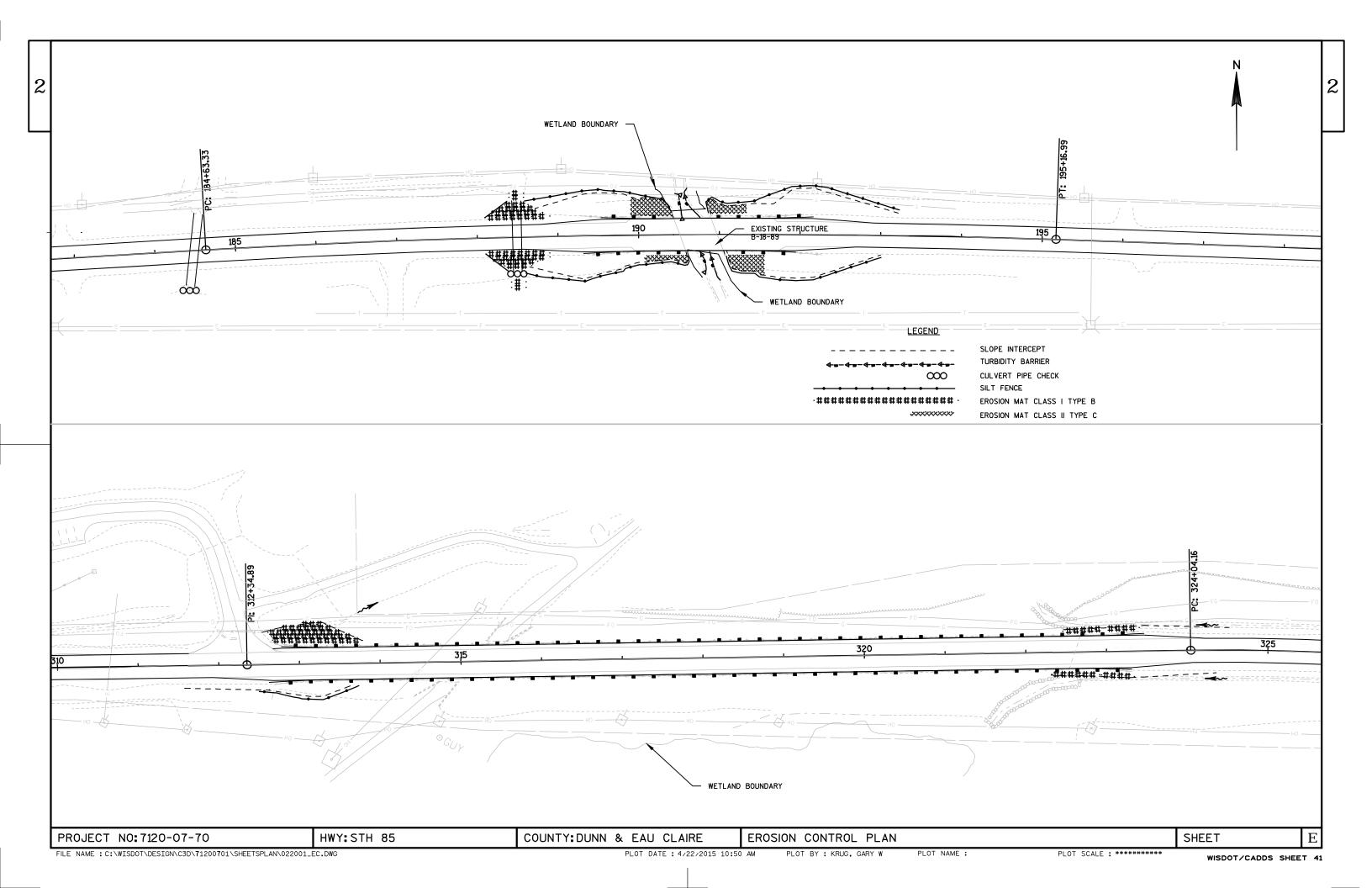
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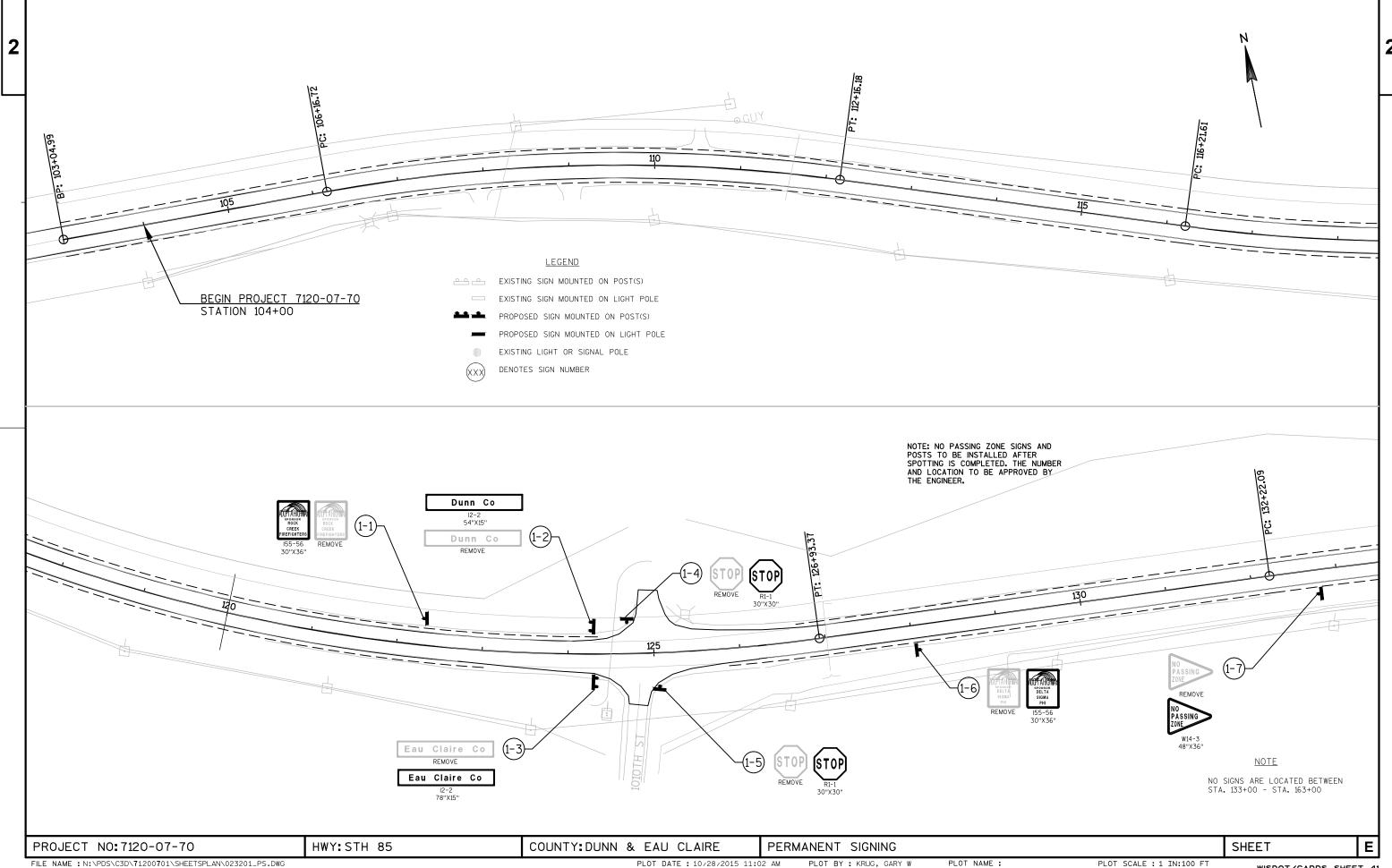
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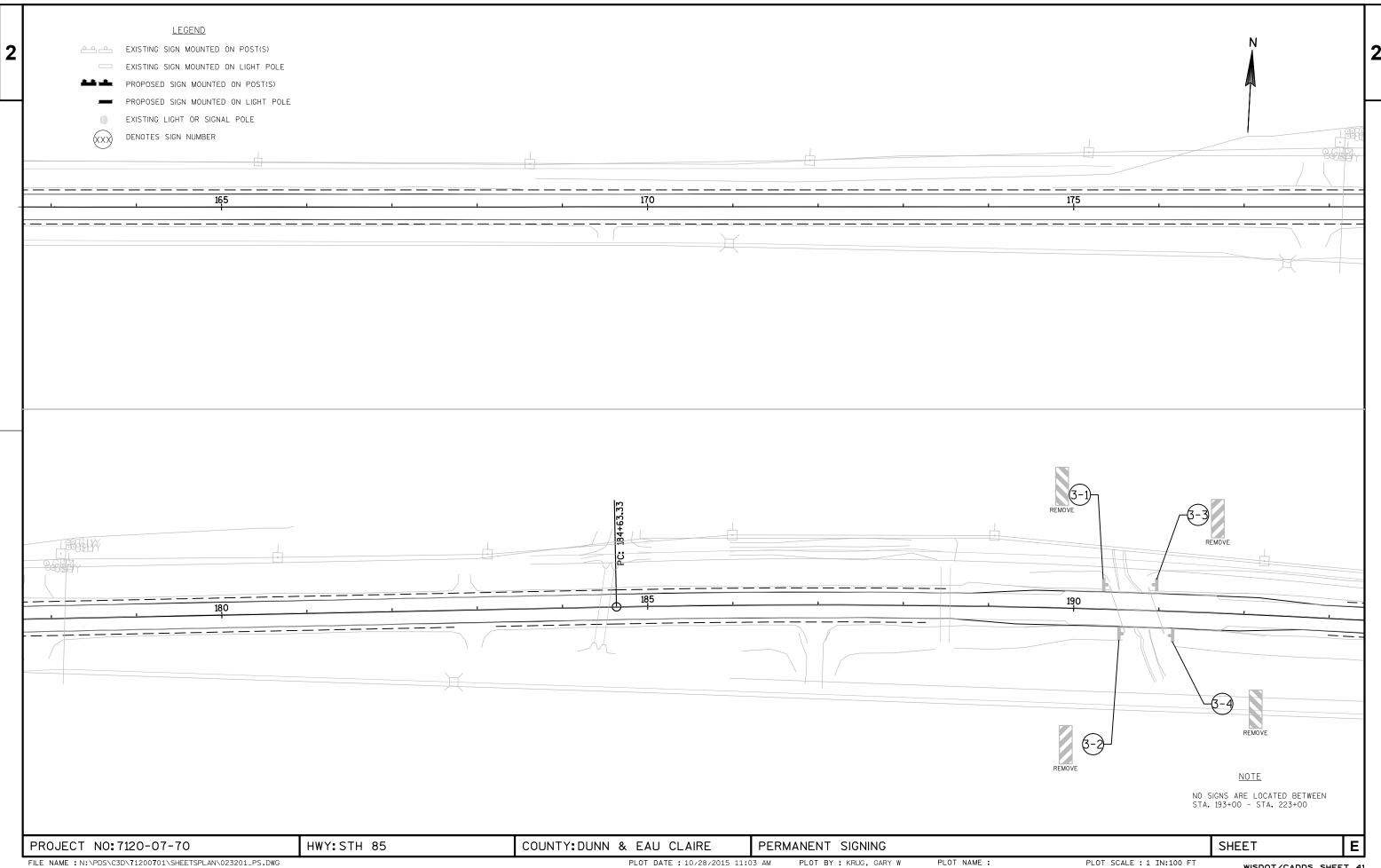


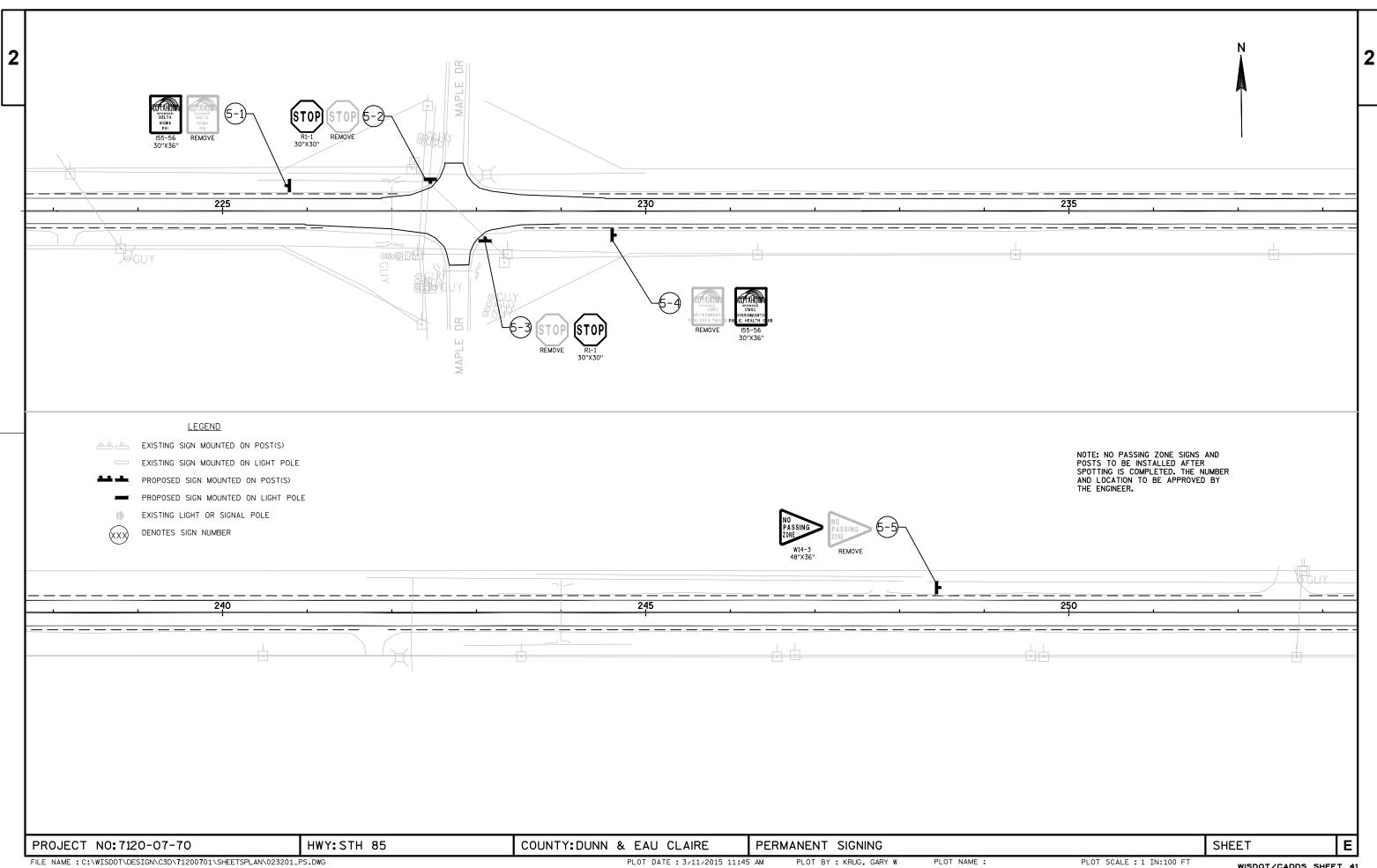


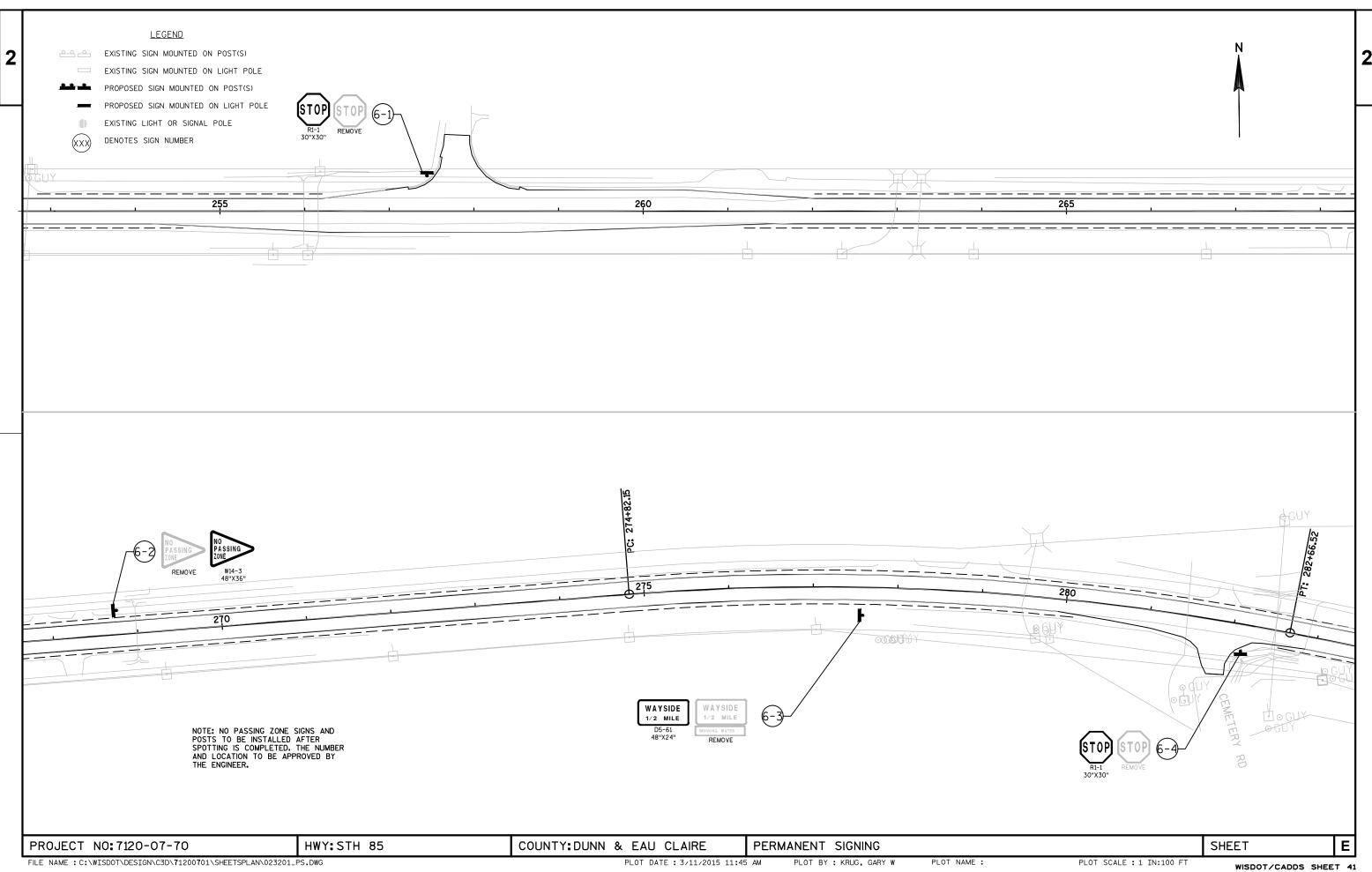


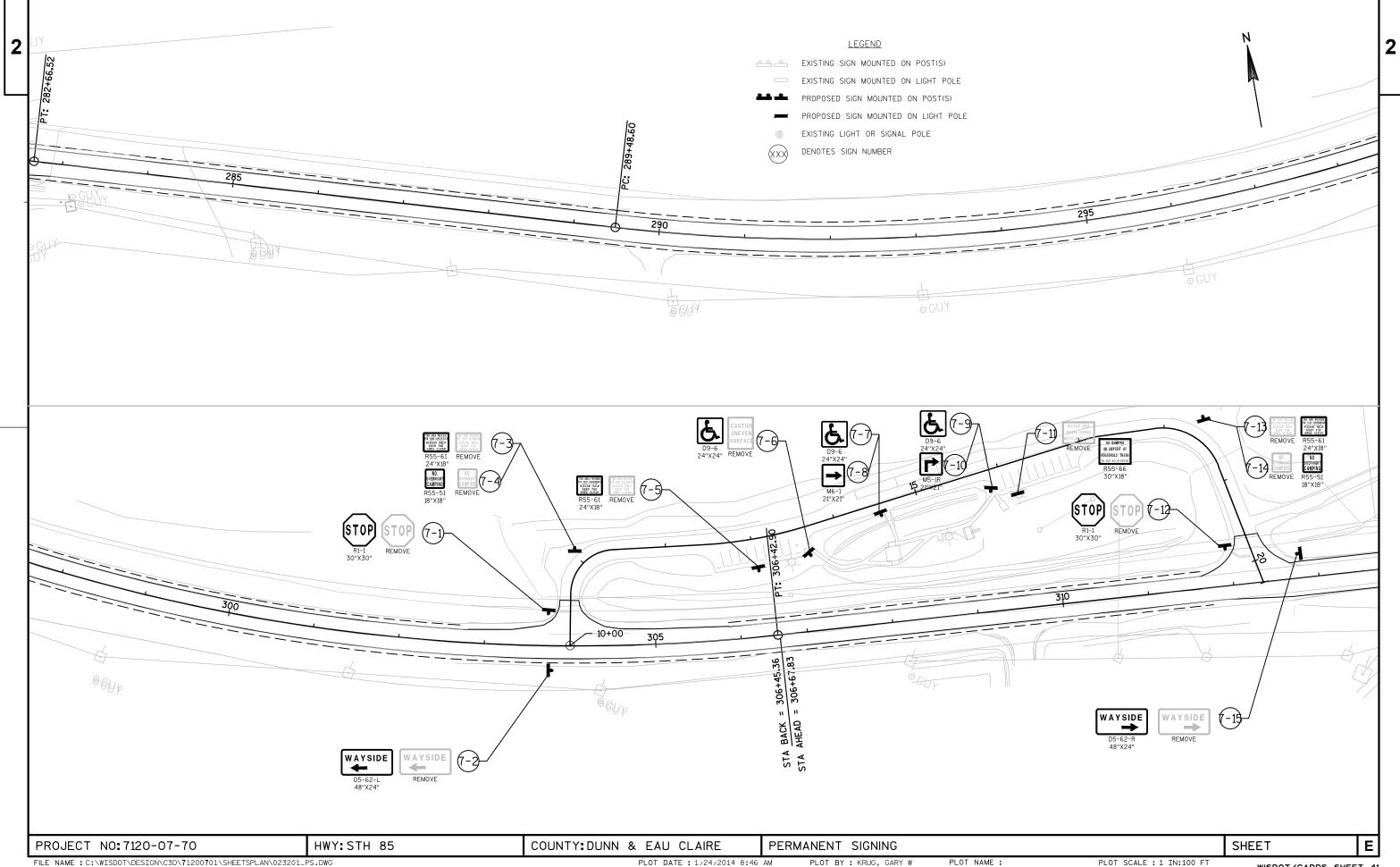


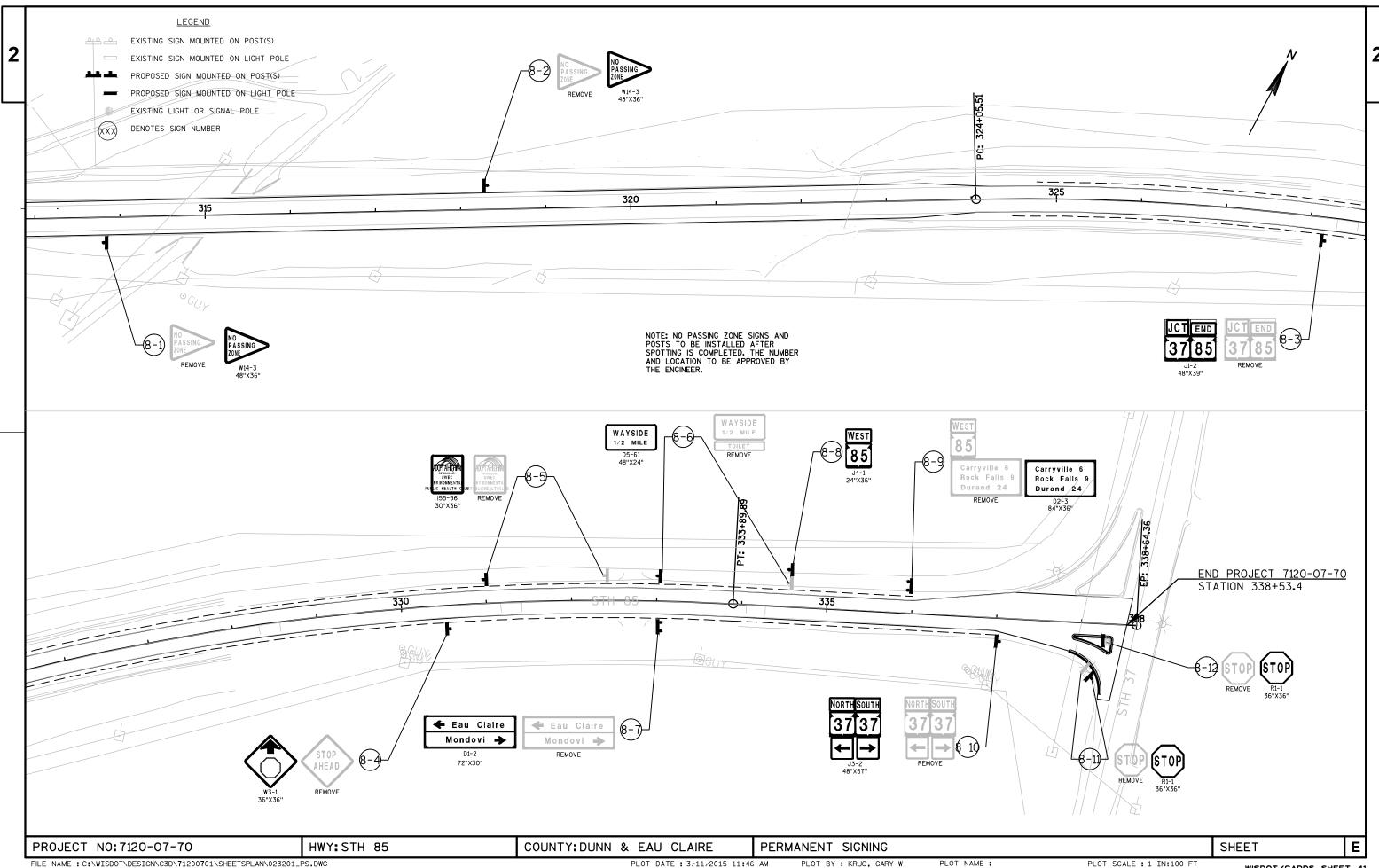






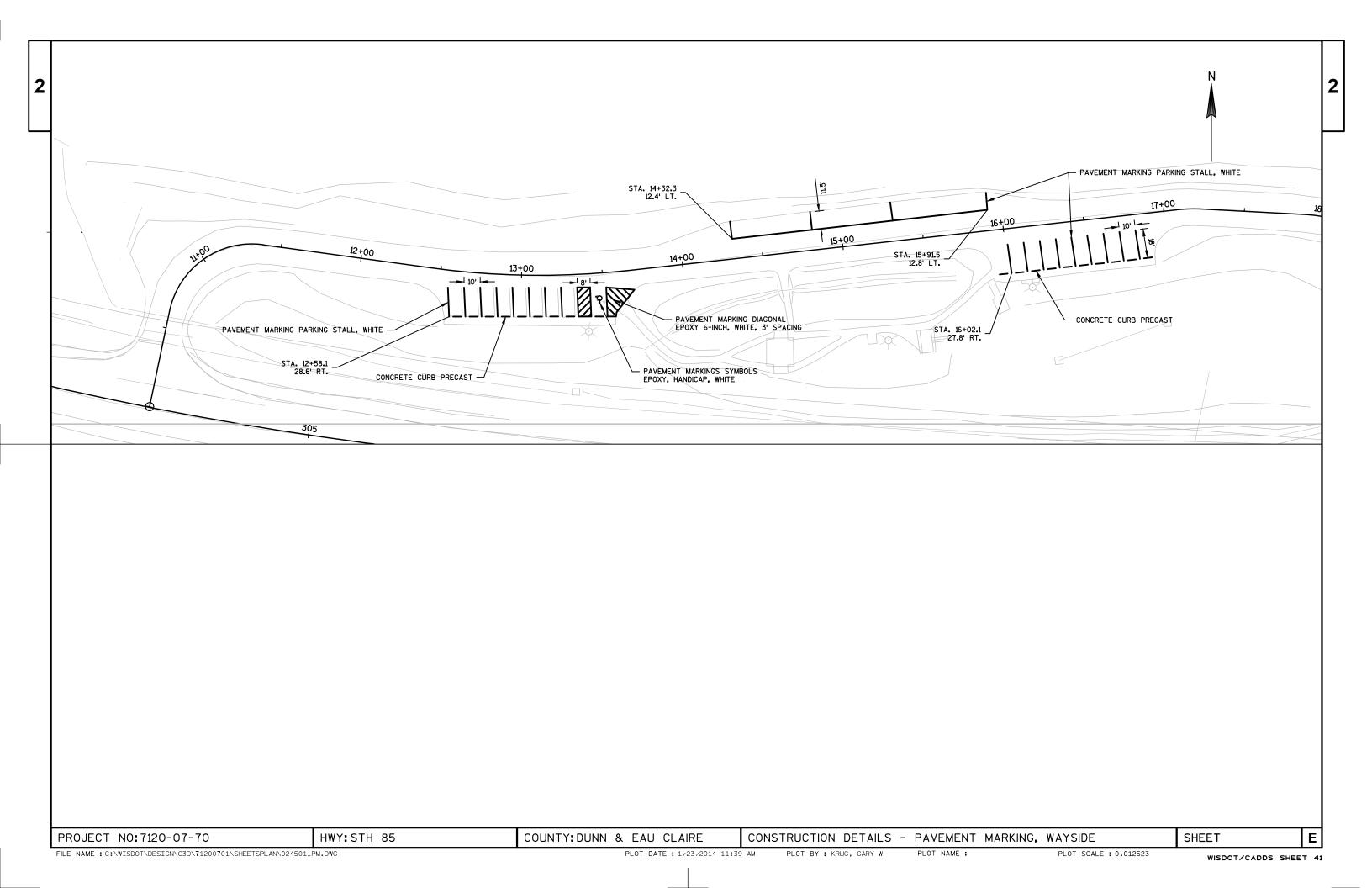






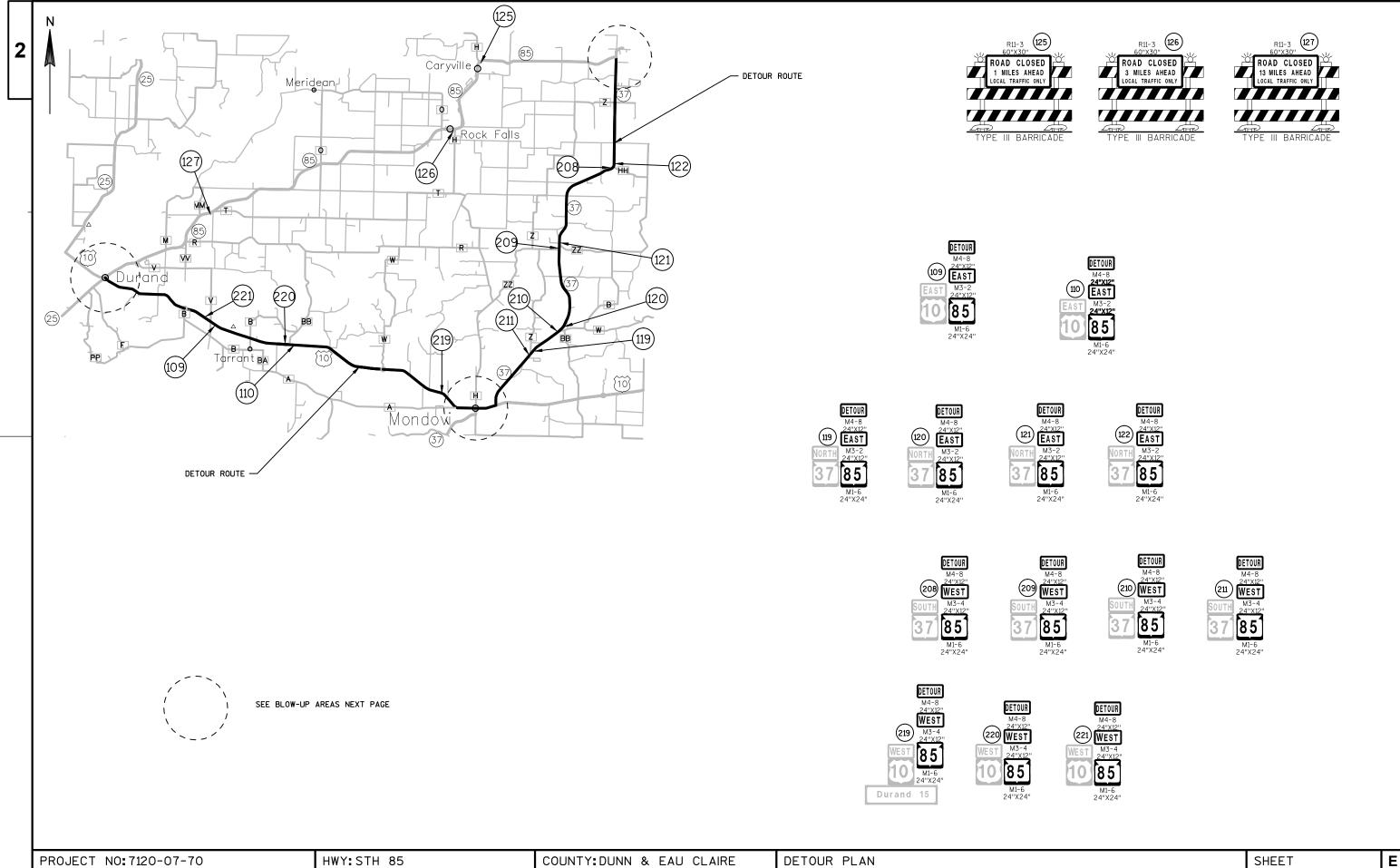
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PLOT DATE : 3/11/2015 11:46 AM



PLOT NAME :





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PLOT DATE : 10/26/2015 4:17 PM

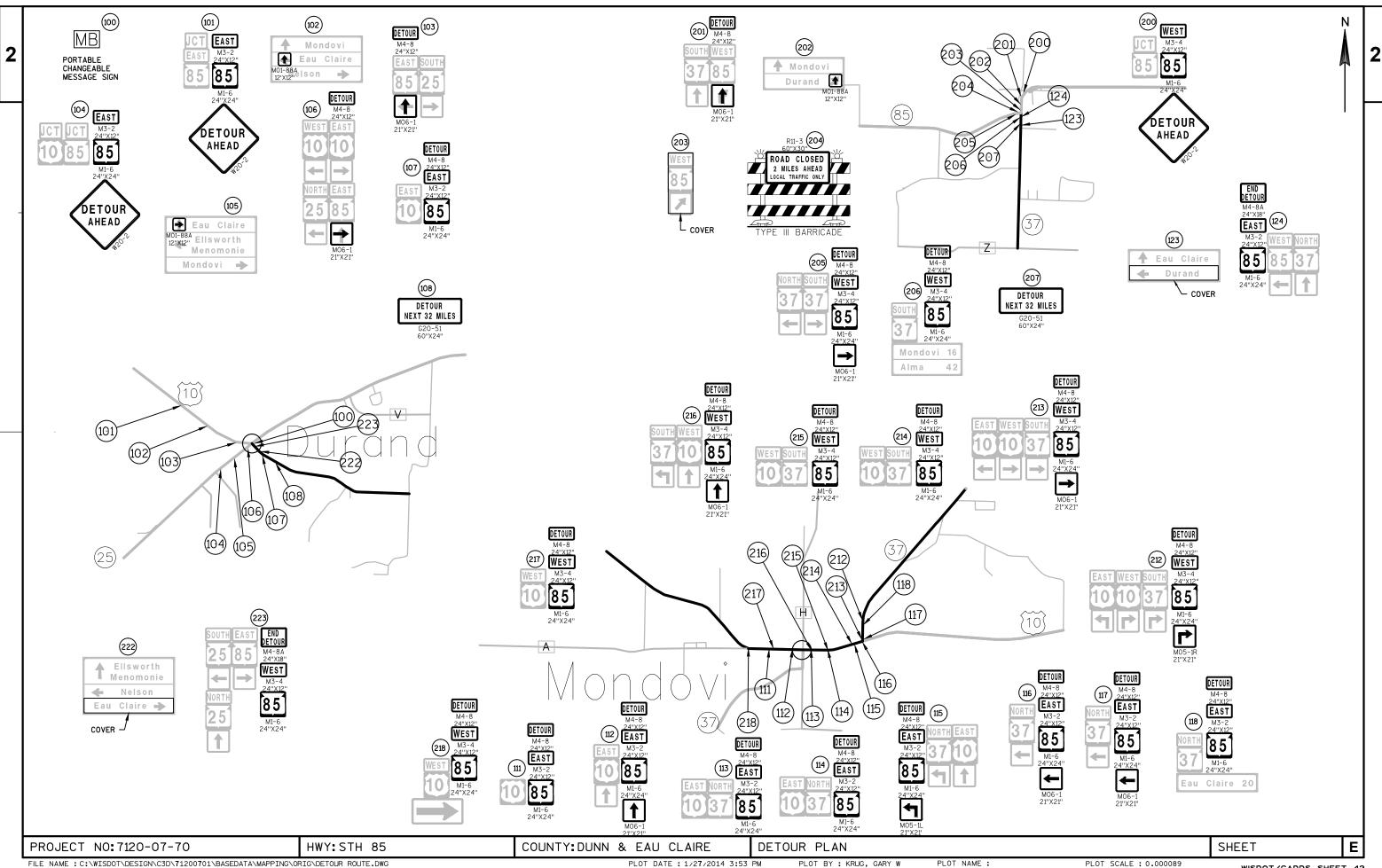
PLOT BY : KRUG, GARY W

PLOT NAME :

PLOT SCALE: 0.000058

WISDOT/CADDS SHEET 42

WISDOT/CADE



DATE 16 LINE	NOV15	E S	TIMAT	E OF QUAN	T I T I E S 7120-07-70
NUMBER		ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0010 0020	201. 0105 201. 0205	CI eari ng Grubbi ng	STA STA	5. 000 5. 000	5. 000 5. 000
0030	201. 0220	Grubbi ng	I D	66.000	66.000
0040	203. 0100	Removing Small Pipe Culverts	EACH	6. 000	6. 000
0050	204. 0100	Removing Pavement	SY	78. 000	78. 000
0060	204. 0110	Removing Asphaltic Surface	SY	190.000	190.000
0070 0080	204. 0120 204. 0150	Removing Asphaltic Surface Milling Removing Curb & Gutter	SY LF	85, 770. 000 130. 000	85, 770. 000 130. 000
0090	204. 0165	Removing Guardrail	LF	2, 595. 000	2, 595. 000
0100		S Removing (item description) 01. Parking	EACH	20.000	20.000
		Bumper			
0110	205. 0100	Excavation Common	CY	50.000	50. 000
0120	208. 0100	Borrow Finishing Boodway (project) 01	CY	65.000	65. 000 1. 000
0130	213. 0100	Finishing Roadway (project) 01. 7120-07-70	EACH	1. 000	1. 000
0140	305. 0110	Base Aggregate Dense 3/4-Inch	TON	3, 640. 000	3, 640. 000
0150	305. 0120	Base Aggregate Dense 1 1/4-Inch	TON	600.000	600.000
0160	305. 0500	Shapi ng Shoul ders	STA	453. 000	453. 000
0170	440. 4410	Incentive IRI Ride	DOL	17, 760. 000	17, 760. 000
0180	455. 0605	Tack Coat	GAL	4, 020. 000	4, 020. 000
0190 0200	460. 2000 460. 4110. 3	Incentive Density HMA Pavement S Reheating HMA Pavement Longitudinal	DOL LF	6, 100. 000 23, 450. 000	6, 100. 000 23, 450. 000
3200	.55. 1110.	Joints		25, 155. 555	_5, 155. 555
0210	465. 0105	Asphaltic Surface	TON	910. 000	910. 000
0220	465. 0110	Asphaltic Surface Patching	TON	50.000	50.000
0230	465. 0115	Asphaltic Surface Detours	TON	5. 000	5. 000
0240	465. 0120	Asphaltic Surface Driveways and Field Entrances	TON	12. 000	12. 000
0250	465. 0315	Asphaltic Flumes	SY	10.000	10. 000
0260	465. 0450	Asphaltic Intersection Rumble Strips	SY	80.000	80.000
0280	465. 0475	Asphalt Center Line Rumble Strips	LF	20, 400. 000	20, 400. 000
		2-Lane Rural			
0280	509. 9010.	S Removing Asphaltic Concrete Deck Overlay (structure) 01. B-18-89	SY	205. 000	205. 000
0290	520. 1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	4. 000	4. 000
0300	520. 1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	2. 000	2. 000
0310	520. 1048	Apron Endwalls for Culvert Pipe 48-Inch	EACH	4. 000	4. 000
0320	520. 3148	Culvert Pipe Class III 48-Inch	LF	176. 000	176. 000
0330	520. 3324	Culvert Pipe Class III-A 24-Inch	LF	72.000	72.000
0340 0350	520. 3330 520. 8700	Culvert Pipe Class III-A 30-Inch Cleaning Culvert Pipes	LF EACH	154. 000 10. 000	154. 000 10. 000
0360	521. 0118	Culvert Pipe Corrugated Steel 18-Inch	LF	20. 000	20. 000
0370	521. 1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	2. 000	2. 000
0380	601. 0199. 9	S Concrete Curb Precast	EACH	20.000	20. 000
0390	601. 0415	Concrete Curb & Gutter 6-Inch Sloped	LF	110.000	110. 000
0400	601. 0557	30-Inch Type J Concrete Curb & Gutter 6-Inch Sloped	LF	65. 000	65. 000
2.20	300007	36-Inch Type D		30. 000	20. 000
0410	614. 0010	Barrier System Grading Shaping Finishing	EACH	8. 000	8. 000
0410	614. 0396	Guardrail Mow Strip Asphalt	SY	60. 000	60. 000
0430	614. 2300	MGS Guardrail 3	LF	75.000	75.000
0440	614. 2330	MGS Guardrail 3 K	LF	1, 925. 000	1, 925. 000
0450	614. 2500	MGS Thrie Beam Transition	LF	157. 600	157. 600
0460	614. 2610	MGS Guardrail Terminal EAT	EACH	8.000	8. 000

DATE 16 LINE	NOV15	EST	IMATE	E OF QUAN	T I T I E S 7120-07-70	
NUMBER 0470	I TEM 618. 0100	ITEM DESCRIPTION Maintenance And Repair of Haul Roads (project) 01.7120-07-70	UNI T EACH	TOTAL 1. 000	QUANTI TY 1. 000	
0480	619. 1000	Mobilization	EACH	1.000	1. 000	
0490 0500	625. 0100 627. 0200	Topsoi I Mul chi ng	SY SY	860. 000 600. 000	860. 000 600. 000	
	027.0200	war chi ng	J1			
0510	628. 1504	Silt Fence	LF	2, 000. 000	2,000.000	
0520 0530	628. 1520 628. 1905	Silt Fence Maintenance Mobilizations Erosion Control	LF EACH	4, 000. 000 4. 000	4, 000. 000 4. 000	
0540	628. 1910	Mobilizations Emergency Erosion Control	EACH	2. 000	2. 000	
0550	628. 2004	Erosion Mat Class I Type B	SY	1, 300. 000	1, 300. 000	
0560	628. 2006	Erosion Mat Urban Class I Type A	SY	280. 000	280. 000	
0570	628. 2027	Erosion Mat Class II Type C	SY	480.000	480. 000	
0580	628. 6005	Turbi di ty Barri ers	SY	300.000	300.000	
0590	628. 7555	Cul vert Pi pe Checks	EACH	40. 000	40. 000	
0600	629. 0210	Fertilizer Type B	CWT	0. 700	0. 700	
0610	630. 0140	Seeding Mixture No. 40	LB	15. 000	15. 000	
0620	630. 0300 633. 5200	Seeding Borrow Pit Markers Culvert End	LB EACH	5. 000 8. 000	5. 000 8. 000	
0630 0640	633. 5200	Posts Wood 4x4-Inch X 14-FT	EACH	8. 000 6. 000	6. 000	
0650	634. 0614	Posts Wood 4x4-Inch X 14-IT	EACH	19. 000	19. 000	
0660	634. 0616	Posts Wood 4x6-Inch X 16-FT	EACH	15. 000	15. 000	
0670	634. 0618	Posts Wood 4x6-Inch X 18-FT	EACH	1. 000	1. 000	
0680	637. 2210	Signs Type II Reflective H	SF	248. 990	248. 990	
0690	637. 2230	Signs Type II Reflective F	SF	39. 000	39. 000	
0700	638. 2602	Removing Signs Type II	EACH	41. 000	41. 000	
0710	638. 3000	Removing Small Sign Supports	EACH	41. 000	41. 000	
0720	642. 5001	Field Office Type B	EACH	1. 000	1. 000	
0730	643. 0100	Traffic Control (project) 01.7120-07-70	EACH	1.000	1.000	
0740 0750	643. 0300 643. 0420	Traffic Control Drums Traffic Control Barricades Type III	DAY DAY	166. 000 133. 000	166. 000 133. 000	
0760	643. 0705	Traffic Control Warning Lights Type A	DAY	263.000	263.000	
0770 0780	643. 0900 643. 0920	Traffic Control Signs Traffic Control Covering Signs Type II	DAY EACH	1, 482. 000 4. 000	1, 482. 000 4. 000	
0790	643. 1050	Traffic Control Signs PCMS	DAY	7. 000	7. 000	
0800	643. 2000	Traffic Control Detour (project) 01.	EACH	1. 000	1. 000	
		7120-07-70				
0810	643. 3000	Traffic Control Detour Signs	DAY	917. 000	917. 000	
0820	646. 0106	Pavement Marking Epoxy 4-Inch	LF	66, 426. 000	66, 426. 000	
0830	646. 0126	Pavement Marking Epoxy 8-Inch	LF	245. 000	245. 000	
0840 0850	646. 0406 647. 0256	Pavement Marking Same Day Epoxy 4-Inch Pavement Marking Symbols Epoxy	LF EACH	19, 546. 000 1. 000	19, 546. 000 1. 000	
0860	647. 0456	Pavement Marking Curb Epoxy	LF	15. 000	15. 000	
0870 0880	647. 0566 647. 0606	Pavement Marking Stop Line Epoxy 18-Inch Pavement Marking Island Nose Epoxy	LF EACH	66. 000 1. 000	66. 000 1. 000	
0890	647. 0656	Pavement Marking Parking Stall Epoxy	LF	625. 000	625. 000	
0900	647. 0706	Pavement Marking Diagonal Epoxy 6-Inch	LF	110. 000	110. 000	
0910	648. 0100	Locating No-Passing Zones	MI	4. 390	4. 390	
0920	649. 0402	Temporary Pavement Marking Paint 4-Inch	LF	16, 335. 000	16, 335. 000	
0930	650. 4500	Construction Staking Subgrade	LF	145.000	145. 000	
0940	650. 5000	Construction Staking Base	LF	145. 000	145. 000	
0950	650. 5500	Construction Staking Curb Gutter and Curb & Gutter	LF	175. 000	175. 000	
0960	650. 6000	Construction Staking Pipe Culverts	EACH	6. 000	6. 000	

DATE 16	NOV15	E S	TIMAT	E O F Q U A N	ITITIES
LINE					7120-07-70
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0970	650. 8000	Construction Staking Resurfacing	LF	24, 520. 000	24, 520. 000
		Reference			
0980	650. 9910	Construction Staking Supplemental Control (project) 01.7120-07-70	LS	1. 000	1. 000
0990	650. 9920	Construction Staking Slope Stakes	LF	145.000	145.000
1000	690. 0150	Sawing Asphal t	LF	636. 000	636. 000
1010	SPV. 0060	Special 01. Automatic Drainage Gates Salvaged 30-Inch	EACH	2. 000	2. 000
1020	SPV. 0090	Special 01. Concrete Curb and Gutter Cure and Seal Treatment	LF	175. 000	175. 000
1030	SPV. 0105	Special O1. Railing Steel Type "W" Rehabilitation	LS	1. 000	1. 000
1040	SPV. 0105	Special 02. Material Transfer Vehicle	LS	1. 000	1. 000
1050	SPV. 0105	Special 03. Milling and Removing	LS	1. 000	1. 000
		Temporary Joint			
1060	SPV. 0105	Special 04. Preparation of Foundation	LS	1. 000	1. 000
		for Asphaltic Paving Special STH 85			
1070	SPV. 0105	Special 05. Preparation of Foundation	LS	1. 000	1. 000
		for Asphaltic Paving Special Wayside			
1080	SPV. 0170	Special 01. Prepare Foundation for	STA	33.000	33. 000
1000	CDV 040E	Asphaltic Shoulders Special	TON	45 550 000	15 550 000
1090	SPV. 0195	Special 01. HMA Pavement Type E-3 Special	TON	15, 552. 000	15, 552. 000

3	0020 12+58 - 13+52 0020 15+94 - 16+90	204.9060.S LOCATION EACH  WAYSIDE 10 WAYSIDE 10 TOTAL 0020 20	CATEGORY LOCATION  0020 WAYSIDE 0020 WAYSIDE 0020 WAYSIDE TOTAL 0020	204.0110 SY REMARKS  25 FRONT WALKWAY 70 WEST WALKWAY 95 EAST WALKWAY	0010 338+00 - 338+24 0010 338+00 - 338+34	204.0150 LOCATION LF  RADIUS 50 ISLAND 80  TOTAL 0010 130
	REMOVING SMALL PIPE CULV   2   2   2   2   2   2   2   2   2	POST OF THE PROPERTY OF THE PR	REMOVING ASPHALTIC  CATEGORY STATION TO STATION  0010 104+00 - 338+53 0010  0020	204.0120   SY	CATEGORY STATION TO STATION  0010	204.0165 LOCATION LF  LEFT 115 RIGHT 117 LEFT 115 RIGHT 123 LEFT 1,062 RIGHT 1,063  TOTAL 0010 2,595
	CATEGORY STATION TO STATION  0010 328+32 - 328+56 0010 331+17 - 331+41 0010 334+06 - 334+28	204.0100	CATEGORY  0010  0020 0020 0020	CLEARING-GRUBBING  STATION TO STATION LOCATION  120+00 - 125+00 LEFT  TOTAL 0010  12+61 WAYSIDE  16+13 WAYSIDE  16+95 WAYSIDE  TOTAL 0020	24 24 18	SHEET: <b>E</b>

FILE NAME : N:\PDS\...\030200\_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

			EARTHWORK					BASE A	AGGREGATE DENSE			
	CATEGORY	STATION TO STAT	TION LOCATIO	NN	COMMON 205.0100 CY	BORROW 208.0100 CY	CATEGORY	Y STATION TO STATI	ON LOCATION	3/4-INCH 305.0110 TON	1 1/4-INCH 305.0120 TON	REMARKS
_		STH 37 INTERSECT			5	<u> </u>	0010	104+00 - 338+53		1,490	TON	SHOULDER
		STH 37 INTERSECT		N CURB AND GUTTER	25	20	0010 0010	104+00 - 338+53 188+26 - 193+21	. LT & RT	1,525 145		SHOULDER E.A.T. WIDENING
				TOTAL 0010	30	20	0010 0010 0010	311+57 - 324+52 VARIOUS VARIOUS	LT & RT DRIVEWAYS CROSS DRAIN	45 45	450	E.A.T. WIDENING SEE DETAIL
	0020 0020	40+00 - 41+11 42+00 - 42+34			15 5	40 5	0010 0010	UNDISTRIBUTED	CURB AND GUTTER	350	10 140	SEE DETAIL
				TOTAL 0020	20	45			TOTAL 0010	3,600	600	
				TOTAL	50	65	0020 0020	40+00 - 41+11 42+00 - 42+34	WALKWAY WALKWAY	30 10		WAYSIDE WAYSIDE
		PREPARE FO	UNDATION FOR AS	SPHALTIC SHOULDERS S	PECIAL				TOTAL 0020	40	0	
					v.0170.01				TOTAL	3,640	600	
		0010 188+	on to STATION 79 - 190+44	LOCATION LEFT	STA 2	-			<u>SHA</u>	PING SHOULDER	<u>RS</u>	
		0010 190+	56 - 190+56 91 - 192+91 05 - 192+70	RIGHT LEFT RIGHT	2 2 2						305.0500	
		0010 311+	87 - 324+06 68 - 324+22	RIGHT LEFT	13 12			CATEGORY 0010	/ STATION TO STATION 104+00 - 188+26	LOCATION RIGHT	STA 85	-
				TOTAL 0010	33			0010 0010	104+00 - 188+49 193+00 - 311+57	LEFT RIGHT	85 119	
		PREPARATION OF F	OUNDATION FOR	ASPHALTIC PAVING SPE	CIAL STH 85			0010 0010 0010 0010	193+21 - 311+60 313+62 - 322+31 313+78 - 322+47 324+36 - 337+87	LEFT RIGHT LEFT	119 9 9 14	
	CAT	EGORY LOCATION		SPV.0105.04 LS	REMARKS			0010	324+52 - 337+20	RIGHT LEFT	13	=
		010 STH 85		1						TOTAL 003	LO 453	
			TOTAL 0010	1					REHEATING HMA LONGITU	DINAL JOINTS		
	<u> </u>	REPARATION OF FO	UNDATION FOR A	SPHALTIC PAVING SPEC	CIAL WAYSIDE						460 4110 c	
	CA	ATEGORY LOC	ATION	SPV.0105.05 LS	REMARKS	_		CATEGORY	STATION TO STATION	LOCATION	460.4110.s LF	-
		0020 WAY	SIDE	1				0010	104+00 - 338+53	MAINLINE TOTAL 0010	23,450	=
			TOTAL	0020 1						TOTAL OUTO		
PROJECT NO	D: 7120-07-7	0	HWY: ST	H 85	COU	NTY: DUNN & EAU CLA	AIRE MIS	CELLANEOUS QUANTI	TIES			SHEET:

			ASPHALTIC SI	URFACE						<u>ASPHAL</u>	TIC RUMBLE ST	RIP	
				465 OCATION			FLUMES 55.0315 SY				LOCATION STH 37 INT.	INTERSECTION 465.0450 SY	CENTER LINE 2-LANE RURAL 465.0475 LF
			37+85 RIGHT T	URN LANE	50	5	10			)10 F	PROJECT TOTAL 0010	80	20,400
				ASPHALTIC ITEMS									
					ACK COAT 455.0605	ASPHALTIC SURFACE 465.0105	DRIVEWAYS AND FIELD ENTRANCES 465.0120	HMA PAVEMENT TYPE E-3 SPECIAL SPV.0195.01				CULVERT PIPES	520.8700
	CATEGORY	STATION TO STATION	LOCATION		GAL	TON	TON	TON		CATEGORY	STATION	LOCATION	EACH
	0010 0010 0010 0010 0010 0010 0010 001	104+00 - 188+56 111+60 120+00 161+57 182+47 188+50 188+56 - 190+52 190+98 - 192+91 192+91 - 311+87 241+79 252+57 254+20 - 261+77 256+00 256+25 - 262+03 311+87 - 324+22 328+31 - 334+28 324+22 - 336+00 336+00 - 338+53	MAINLINE CROSS DRAIN CROSS DRAIN P.E. RIGHT P.E. RIGHT CROSS DRAIN BRIDGE APPROACH BRIDGE APPROACH MAINLINE P.E. RIGHT P.E. LEFT BYPASS LANE CROSS DRAIN CE INT. MAINLINE CONCRETE RUMBLES MAINLINE STH 37 INT. SAFETY ISLAND		1,410 25 25 25 1,980 30 45 165 190 70	20 20 30 15 40	3 3 3	5,525  135 130 7,775  65 95 870  770 165		0010 0010 0010 0010 0010 0010 0010 001	151+00 184+43 184+54 214+00 216+00 227+00 244+00 269+00 281+87 282+49	MAINLINE TOTAL 0010	1 1 1 1 1 1 1 1 1 1
	0010	UNDISTRIBUTED	FOUNDATION PREP. TOTAL 0010	=	3,940	<del>400</del> 530	12	15,530			CONCR	RETE CURB PRECAS	<u>5T</u>
	0020 0020	10+53 - 19+68	WAYSIDE WAYSIDE WALKWAYS		80	355 25			<u>CATE</u>	GORY STAT:	ION TO STATIO	ON LOCATION	601.0199.S EACH
			TOTAL 0020	=	80	380	0	0			+58 - 13+52	WAYSIDE	10
	0030	190+52 - 190+98	B-18-89	_				22	00	20 15-	+94 - 16+90	WAYSIDE	10
			TOTAL 0030	_	0	0	0	22				TOTAL 002	20 20
			TOTAL	<del></del>	4,020	910	12	15,552					
PROJ	ECT NO: 7120-07	7-70	HWY: STH 85		COUNTY:	DUNN & EAU C	CLAIRE	MISCELLANEOUS	QUANTITIES			;	SHEET:

												E	INISHIN	IG ITEMS				
3	CATEGORY	STATION T	O STATION	CONCRETE CURB (	6-INCH SLOPED 30-INCH TYPE J	6-INCH SLOPED 36-INCH TYPE D	STAKING 50.5500 LF	CURE // SEAI TREATM SPV.009 LF	MENT 00 00.01 00	10 119 10	<u>FION TO STATI</u> 9+60 - 124+75 UNDISTRIBUTED			TOPSOIL 625.0100 SY 300 110 100	MULCHING 627.0200 SY 400 100	FERTILIZER     TYPE B     629.0210     CWT      0.20     0.10     0.10	SEEDING MIXTURE NO. 40 630.0140 LB 4 2	BORROW PIT
	0010 0010	337+90 - 337+87 -		SAFETY ISLAND TURN LANE	110	65	110 65	110 65					_ 0010	510	500	0.40	8	5
				TOTAL 0010	110	65	175	175	00	20 42	0+00 - 41+11 2+00 - 42+34 RUBBING AREAS	WAYSI WAYSI WAYSI	DE	185 65 100	100	0.10 0.10 0.10	4 1 2	
												TOTAL	_ 0020	350	100	0.30	7	0
													TOTAL	860	600	0.70	15	5
				CULVERT PIPE CLASS III-A	CULVERT CULVERT PIPE CLASS III-A		PIPE	HICKNESS	APRON ENDWALLS	APRON ENDWALLS	APRON ENDWALLS			TTOMATIC NAGE GATES				
	CATEGORY	STATION	LOCATION	24-INCH 520.3324 LF	30-INCH 520.3330 LF	48-INC 520.314 LF		(IN) STEEL	24-INCH 520.1024 EACH	30-INCH 520.1030 EACH	48-INCH 520.1048 EACH	STAKING 650.6000 EACH	SPV	GED 30-INCH 7.0060.01 EACH		MOB	ILIZATION	
	0010 0010 0010 0010 0010 0010	111+60 120+00 188+44 188+55 214+00 256+00	MAINLINE MAINLINE MAINLINE MAINLINE MAINLINE MAINLINE	72	76 78	88 88		0.079 0.079 0.109 0.109	2 2	1	2 2	1 1 1 1		1	<u>CATEC</u> 001	LO ROA	ATION  DWAY  TAL 0010	619.1000 EACH  0.8  0.8
			TOTAL 0010	72	154	176			4	2	4	5		2	002		SIDE AL 0020	0.1
L					ULVERT PIPE IT	TEMS (CONTINUE	ED.)								003		8-89	0.1
						CULVERT P CORRUGATI STEEL 18-I 521.011	IPE ED NCH TH	ICKNESS STEEL	APRON ENDWALLS STEEL 18-INCL 521.1018	650.60	000						TAL 0030	1.0
				TEGORY STATION  0020 40+31	LOCATION WAYSIDE	LF 20		(IN) 0.064	EACH 2	EACH	<u> </u>							
					TOTAL 0020	20			2	1	_							
-	PROJECT N	O: 7120-07-	70	HWY: S	TH 85		COUNT	Y: DUNN &	EAU CLAIRE	MIS	SCELLANEOUS	S QUANTITIE	S				SHEET:	E

	ERO	SION MAT							SILT FENCE SU	MMARY			
CATEGORY	STATION TO STATION	N LOCATION	CLASS I TYPE B 628.2004 SY	URBAN CLASS I TYPE A 628.200 SY	CLASS II TYPE C		CATEGORY	STATION TO	STATION LO	CATION	SILT FENCE 628.1504 LF	MAINTENANCE 628.1520 LF	
0010 0010 0010 0010 0010 0010 0010	111+50 - 111+70 111+50 - 111+70 119+85 - 120+15 119+85 - 120+15 188+30 - 188+70 188+30 - 188+70 189+90 - 190+47	LEFT RIGHT LEFT RIGHT LEFT RIGHT	70 30 70 60 125 125		125		0010 0010 0010 0010 0010 0010 0010	119+00 - 1 188+10 - 1 188+10 - 1 188+60 - 1 188+60 - 1 190+85 - 1 191+10 - 1 312+50 - 3	88+38 LE 88+38 RI 90+40 LE 90+60 RI 93+20 LE 93+00 RI		550 35 35 200 220 270 210 130	1,100 70 70 400 440 540 420 260	
0010 0010 0010 0010 0010 0010	190+07 - 190+65 190+80 - 191+33 191+02 - 191+50 255+90 - 256+10 255+90 - 256+10 312+67 - 313+83	LEFT RIGHT LEFT RIGHT LEFT RIGHT LEFT	30 20 200		50 75 130		0010	UNDISTRIB	SUTED	OTAL 0010	350	700	
0010 0010 0010 0010	322+30 - 323+40 322+30 - 323+35 CULVERT CLEANING	LEFT RIGHT 37 INT. LT & RT	80 80 160	110				M	OBILIZATIONS	EROSION EROSION 628.1905	EMERGENCY 628.1910		
0010	UNDISTRIBUTED	TOTAL 0010	250	130	100 ———————————————————————————————————			CATEGORY 0010	LOCATION PROJECT	EACH 3	EACH 2	-	
0020 0020 0020	40+00 - 41+11 42+00 - 42+34 UNDISTRIBUTED	WAYSIDE WAYSIDE		95 30 25				0020	TOTAL 0010 PROJECT	3 1	2	=	
		TOTAL 0020	0	150 280	480				TOTAL 0020	4	2	_	
		DETOUR SIGNI	<u>NG</u>				CULVERT	F PIPE CHECKS			МА	RKERS CULVERT	<u>END</u>
<u>C</u> ATEGORY	-	TYPE II 7120- 643.0920 643.	2000 643	IGNS .3000 DAY	REMARKS	0010 0010	STATION 111+60 120+00	LOCATION RIGHT RIGHT	628.7555 EACH 4 4	CATEGORY 0010	STATION 111+60	LOCATION	633.5200 EACH
0010 0010 0010 0010	PROJECT EB DETOUR WB DETOUR UNDISTRIBUTED	1 2 1			SEE DETOUR PLAN SEE DETOUR PLAN	0010 0010 0010 0010 0010	184+43 184+54 188+44 188+55 UNDIST	RIGHT RIGHT RIGHT RIGHT TRIBUTED	5 5 5 5	0010 0010 0010	120+00 188+44 256+00	LT. & RT. LT. & RT. LT. & RT. TOTAL 0010	2 2 2
	TOTAL 0010	4	1 9	917				TOTAL 0010	40				
PROJECT NO: 7120-07-70		HWY: STH 85		CC	OUNTY: DUNN & EAU CLAIRE	MISCE	LLANEOUS Q	UANTITIES		l		SHEET:	E

FILE NAME : N:\PDS\...\030200\_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

### PERMANENT SIGNING

CATEGORY	SIGN	APPROX. STATION	LOCATIO	N. CODE	CODE DESCRIPTION W/ VARIABLE MESSAGE	SIGN SIZE (W X H) IN	POSTS WOOD 4 X 4-INCH X 14 FT 634.0414 EACH	POSTS WOOD 4 X 6-INCH X 14 FT 634.0614 EACH	POSTS WOOD 4 X 6-INCH X 16 FT 634.0616 EACH	POSTS WOOD 4 X 6-INCH X 18 FT 634.0618 EACH	SIGNS TYPE II REFLECTIVE H 637.2210 SF	SIGNS TYPE II REFLECTIVE F 637.2230 SF	REMOVING SIGNS TYPE II 638.2602 EACH	REMOVING SMALL SIGN SUPPORTS 638.3000 EACH
CATEGORY	NONDEX	SIAITON	LOCALIO	N CODE	W/ VACIABLE MESSAGE	IN	EACH	EALH	EACH	EACH	31	35	EACH	EACH
0010	1-1	122+30	LEFT	I55-56	ADOPT-A-HIGHWAY, ROCK CREEK FIREFIGHTERS	30 X 36			1		7.50		1	1
0010	1-2	124+30	LEFT	12-2	DUNN CO	54 X 15		2			5.63		1	2
0010	1-3	124+30	RIGHT	12-2	EAU CLAIRE CO	78 X 15		2			8.13		1	2
0010	1-4	124+70	LEFT	R1-1	STOP	30 X 30		1			5.18		1	1
0010	1-5	125+05	RIGHT	R1-1	STOP	30 X 30		1			5.18		1	1
0010	1-6	128+05	RIGHT	I55-56	ADOPT-A-HIGHWAY, DELTA SIGMA PHI	30 X 36			1		7.50		1	1
0010	1-7	132+80	RIGHT	W14-3	NO PASSING ZONE	48 X 36			1			6.00	1	1
0010 0010	3-1 3-2	190+35 190+55	LEFT RIGHT										1	1
0010	3-3	190+95	LEFT										1	1
0010	3-4	191+15	RIGHT										1	1
0010	5-1	225+75	LEFT	IS5-56	ADOPT-A-HIGHWAY, DELTA SIGMA PHI	30 X 36			1		7.50		1	1
0010	5-2	227+45	LEFT	R1-1	STOP	30 X 30		1	-		5.18		1	1
0010	5-3	228+10	RIGHT	R1-1	STOP	30 X 30		1			5.18		1	1
0010	5-4	229+60	RIGHT	I55-56	ADOPT-A-HIGHWAY, UWEC ENVIRONMENTAL PUBLIC HEALTH CLUB	30 X 36		-	1		7.50		1	1
0010	5-5	248+45	LEFT	W14-3	NO PASSING ZONE	48 X 36			1			6.00	1	1
0010	6-1	257+45	LEFT	R1-1	STOP	30 X 30		1			5.18		1	1
0010	6-2	268+75	LEFT	W14-3	NO PASSING ZONE	48 X 36			1			6.00	1	1
0010	6-3	277+55	RIGHT	D5-61	WAYSIDE 1/2 MILE	48 X 24		1			8.00		1	1
0010	6-4	282+13	RIGHT	R1-1	STOP	30 X 30		1			5.18		1	1
0010	7-1	303+75	LEFT	R1-1	STOP	30 X 30		1			5.18		1	1
0010	7-2	303+75	RIGHT	D5-62L	WAYSIDE LA	48 X 24		1			8.00		1	1
0010	7-12	311+95	LEFT	R1-1	STOP	30 X 30		1			5.18		1	1
0010	7-15	312+80	LEFT	D5-62R	WAYSIDE RA	48 X 24		1			8.00		1	1
0010	8-1	313+80	RIGHT	W14-3	NO PASSING ZONE	48 X 36			1			6.00	1	1
0010	8-2	318+30	LEFT	W14-3	NO PASSING ZONE	48 X 36			1			6.00	1	1
0010	8-3	328+15	RIGHT	J1-2	JUNCTION/END ASSEMBLY	48 X 39			1		13.00		1	1
0010	8-4	330+50	RIGHT	W3-1	STOP AHEAD	36 X 36			1		7.50	9.00	1	1
0010	8-5	331+00	LEFT	I55-56	ADOPT-A-HIGHWAY, UWEC ENVIRONMENTAL PUBLIC HEALTH CLUB	30 X 36			1		7.50		1	1
0010	8-6 8-7	333+00	LEFT RIGHT	D5-61	WAYSIDE 1/2 MILE 2 DESTINATIONS W/ARROWS	48 X 24 72 X 30		1 2			8.00		1	1 2
0010	8-8	333+00	LEFT	D1-2		72 X 30 24 X 36		2			15.00 6.00		1	2
0010 0010	8-9	334+54 336+00	LEFT	J4-1 D2-3	REASSURANCE ASSEMBLY 3 DESTINATIONS W/DISTANCES	84 X 36			1 2		21.00		1	2
0010	8-10	337+00	RIGHT	J3-2	DIRECTIONAL ASSEMBLY	48 X 57			-	1	19.00		1	1
0010	8-11	338+08	RIGHT	R1-1	STOP	36 X 36		1		-	7.46		1	-
0010	8-12	338+30	RIGHT	R1-1	STOP	36 X 36		-			7.46		1	
0010	0 11	330.30	1120111			30 X 30					7.40		-	
					TOTAL 0010		0	19	15	1	213.62	39.00	36	37
0020	7-3	11+00	LEFT	R55-61	PLEASE HELP KEEP THE AREA CLEAN	24 X 18	1				3.00		1	1
0020	7-4	11+00	LEFT	R55-51	NO OVERNIGHT CAMPING	18 X 18	-				2.25		-	-
0020	7-5	13+00	RIGHT	R55-61	PLEASE HELP KEEP THE AREA CLEAN	24 X 18	1				3.00		1	1
0020	7-6	13+60	RIGHT	D9-6	HANDICAPPED SYMBOL	24 X 24	1				4.00		1	1
0020	7-7	14+55	RIGHT	D9-6	HANDICAPPED SYMBOL	24 X 24	1				4.00			_
0020	7-8	14+55	RIGHT	M6-1	ARROW PLAQUE	21 X 21					3.06			
0020	7-9	15+85	RIGHT	D9-6	HANDICAPPED SYMBOL	24 X 24	1				4.00			
0020	7-10	15+85	RIGHT	M5-1R	ARROW PLAQUE	21 X 21					3.06			
0020	7-11	16+15	RIGHT	R55-66	NO DUMPING OF HOUSEHOLD TRASH	30 X 18					3.75		1	
0020	7-13	18+35	LEFT	R55-61	PLEASE HELP KEEP THE AREA CLEAN	24 X 18	1				3.00		1	1
0020	7-14	18+35	LEFT	R55-51	NO OVERNIGHT CAMPING	18 X 18					2.25			
					TOTAL 0020		6	0	0	0	35.37	0.00	5	4

FILE NAME: N:\PDS\...\030200\_mq.pptx

PROJECT NO: 7120-07-70

HWY: STH 85

PLOT DATE: June 14, 1911

COUNTY: DUNN & EAU CLAIRE

PLOT BY: A.R.H.

MISCELLANEOUS QUANTITIES

PLOT NAME :

PLOT SCALE: 1:1

SHEET:

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												MATERIAL TRAN	NSFER VEHICLI	=
			TRAFFIC	CONTROL										-
				PRIME	BARRICADE		ozove.	SIGNS			CATEGORY	STATION TO STATION	LOCATION	SPV.0105.02 LS
	CATTOON	STATION TO STATION	LOCATTON	DRUMS 643.0300	TYPE III 643.0420	643.0705	SIGNS 643.0900	PCMS 643.1050		DEMARKS	0010	104+00 - 338+53	MAINLINE	1
3	0010 0010	STATION TO STATION	PROJECT B-18-89	DAY 22	DAY 7	DAY 14	1,440	DAY	SEE TRAF	REMARKS  FFIC CONTROL PLAN			TOTAL 0010	1
	0010 0010 0010	307+75 - 324+30	LT. & RT. DETOUR ROUTE CROSS DRAIN SITES	144	28 42	53 84	14	7	SEE S.D.		N			
			TOTAL 0010	166	77	151	1,454	7				MILLING AND REMOVING	TEMPORARY JO	DINT
	0020		WAYSIDE		56	112	28		SEE S.D.	.D.	CATEGORY	STATION TO STATION	LOCATION	SPV.0105.0
			TOTAL 0020	0	56	112	28	0			0010	104+00 - 338+53	MAINLINE	LS 1
			TOTAL	166	133	263	1,482	7			0010	104100 330133	TOTAL 001	
												SAWING ASPHALT		
			CONSTRUCTION	STAKING						CATEGORY	STATION TO STATIO	N LOCATION	690.0150 LF	REMARKS
				SUBGRADE	BASE	RESURFACING REFERENCE	SUPPLEMENTAI CONTROL	L SLOPE STAKES		0010 0010 0010	104+00 111+44 111+76	BEGIN PROJECT STH 85 STH 85	30 30 30	CULVERT CULVERT

											690.0150	
		CONSTRUCTI	ON STAKING					CATEGORY	STATION TO STATION	LOCATION	LF	REMARKS
								0010	104+00	BEGIN PROJECT	30	
					RESURFACING	SUPPLEMENTAL	SLOPE	0010	111+44	STH 85	30	CULVERT
			SUBGRADE	BASE	REFERENCE	CONTROL	STAKES	0010	111+76	STH 85	30	CULVERT
			650.4500	650.5000	650.8000	650.9910	650.9920	0010	119+82	STH 85	30	CULVERT
CATEGORY	STATION TO STATION	LOCATION	LF	LF	LF	LS	LF	0010	120+18	STH 85	30	CULVERT
								0010	124+70 - 124+91	1010TH STREET	21	RIGHT
0010	104+00 - 338+53	STH 85			23,450	1		0010	124+84 - 125+07	1010th STREET	23	LEFT
0010	687+50 - 689+00	STH 37			150			0010	188+25	STH 85	30	CULVERT
								0010	188+75	STH 85	30	CULVERT
		TOTAL 0010	0	0	23,600	1	0	0010	227+63 - 227+84	MAPLE DRIVE	21	RIGHT
								0010	227+68 - 227+91	MAPLE DRIVE	23	LEFT
0020	10+52 - 19+68	WAYSIDE			920			0010	255+86	STH 85	30	CULVERT
0020	40+00 - 41+11	WAYSIDE	110	110			110	0010	256+14	STH 85	30	CULVERT
0020	42+00 - 42+34	WAYSIDE	35	35			35	0010	257+65 - 257+97	C.E.	32	LEFT
								0010	281+76 - 281+98	CEMETERY ROAD	22	RIGHT
		TOTAL 0020	145	145	920	0	145	0010	337+20 - 337+94	STH 85	74	LEFT
								0010	687+57 - 688+77	STH 37 *	120	END PROJE
		TOTAL	145	145	24,520	1	145	0010	687+57	STH 37 *	15	LEFT
					,			0010	688+77	STH 37 *	15	LEFT
										TOTAL 0010	636	
									* SEE CURB AND GUTTER	DETATI		

FILE NAME : N:\PDS\...\030200\_mq.pptx PLOT BY : A.R.H. PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

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### PAVEMENT MARKING

			YELLOW	EPOXY 4-INCH 646.0106 WHITE	EPOXY 8-INCH 646.0126	SAME DAY EPOXY 4-INCH 646.0406	SYMBOLS EPOXY 647.0256	CURB EPOXY 647.0456	STOP LINE EPOXY 18-INCH 647.0566	ISLAND NOSE EPOXY 647.0606	PARKING STALL EPOXY 647.0656	DIAGONAL EPOXY 6-INCH 647.0706	TEMPORARY PAINT 4-INCH 649.0402	
CATEGORY	STATION TO STATION	LOCATION	LF	LF	LF	LF	EACH	LF	LF	EACH	LF	LF	LF	REMARKS
0010	104+00 - 109+25	STH 85	662.5	1,050.0		662.5							565.0	NO PASSING EB
0010	109+25 - 121+39	STH 85	2,428.0	2,428.0		2,428.0							2,428.0	NO PASSING EB/WB
0010	121+39 - 131+42	STH 85	1,253.0	2,006.0		1,253.0							1,083.0	NO PASSING WB
0010	131+42 - 248+11	STH 85	2,917.0	23,338.0		2,917.0							934.0	PASSING EB/WB
0010	248+11 - 257+61	STH 85	1,187.5	1,900.0		1,187.5							1,026.0	NO PASSING EB
0010	257+61 - 268+70	STH 85	275.0	2,218.0		275.0							88.0	PASSING EB/WB
0010	258+50 - 260+50		2/3.0	2,210.0	200.0	2/3.0							00.0	
		STH 85	1 210 5	2 112 0	200.0	1 310 5							1 140 0	SEE S.D.D.
0010	268+70 - 279+26	STH 85	1,318.5	2,112.0		1,318.5							1,140.0	NO PASSING EB
0010	279+26 - 303+52	STH 85	4,852.0	4,852.0		4,852.0							4,852.0	NO PASSING EB/WB
0010	303+52 - 313+58	STH 85	1,256.0	2,012.0		1,256.0							1,086.0	NO PASSING WB
0010	313+58 - 317+81	STH 85	112.5	846.0		112.5							36.0	PASSING EB/WB
0010	317+81 - 328+90	STH 85	1,384.0	2,218.0		1,384.0							1,197.0	NO PASSING EB
0010	328+90 - 338+40	STH 85	1,900.0	1,900.0		1,900.0							1,900.0	NO PASSING EB/WB
0010	337+73 - 337+97	STH 85			45.0									SEE S.D.D.
0010	337+90 - 338+35	STH 85						15.0						ISLAND
0010	337+90	STH 85								1.0				
0010		STH 37 INT.							15.0					
0010		STH 37 RT. TURN							15.0					
0010		WAYSIDE WEST							18.0					
0010		WAYSIDE EAST							18.0					
		TOTAL 0010	19,546.0	46,880.0	245.0	19,546.0	0.0	15.0	66.0	1.0	0.0	0.0	16,335.0	
0020	12+66 - 13+42										260.0	110.0		SEE DETAIL
0020	13+50						1.0							SEE DETAIL
0020	14+32 - 15+91										205.0			SEE DETAIL
0020	16+02 - 16+82										160.0			SEE DETAIL
		TOTAL 0020	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	625.0	110.0	0.0	
		101AL 0020		0.0	0.0	0.0	1.0	0.0		0.0	023.0	110.0		
		TOTAL		66,426.0	245.0	19,546.0	1.0	15.0	66.0	1.0	625.0	110.0	16,335.0	

NOTE: EPOXY 4-INCH INCLUDES EDGE LINE AND CENTER LINE WHICH IS FOR MARKING AFTER THE CENTER LINE RUMBLE STRIP 2-LANE RURAL ARE MILLED IN TO THE SURFACE.

PROJECT NO: 7120-07-70	HWY: STH 85	COUNTY: DUNN & EAU CLAIRE	MISCELLANEOUS QUANTITIES	SHEET:	E
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BARRTFR	SYSTEM	GRADING	SHAPTNG	FINISHING
D/ (( ( ) ) )	0.0.2	CI C ID III C	0117 (1 2110	. 111101111110

						FOR INFORM	MATION ONLY		
			614.0010	BORROW	SALVAGED TOPSOIL	MULCHING	FERTILIZER TYPE B	SEEDING # 20	SLOPE STAKES
CATEGORY	STATION TO STATION	LOCATION	EACH	CY	SY	SY	CWT	LB	LF
0010	188+26 - 190+52	RIGHT	1	80	280	215	0.20	7	225
0010	188+49 - 190+52	LEFT	1	145	365	215	0.30	10	200
0010	190+98 - 193+00	RIGHT	1	220	420	300	0.30	12	200
0010	190+98 - 193+21	LEFT	1	130	340	315	0.20	9	225
0010	311+57 - 313+62	RIGHT	1	50	90	90	0.10	3	205
0010	312+54 - 313+78	LEFT	1	105	205	0	0.10	5	125
0010	322+31 - 324+36	RIGHT	1	0	15	0	0.00	1	205
0010	322+47 - 324+52	LEFT	1	5	20	0	0.00	1	205
		TOTAL 0010	8	735	1,735	1,135	1	48	1,590

### TURBIDITY BARRIERS

CATEGORY	STATION	LOCATION	628.6005 SY
0010	WEST CREEK	WEST SIDE	110
0010	WEST CREEK	EAST SIDE	130
0010	UNDISTRIBUTED		60
		TOTAL 0010	300

### BARRIER SYSTEM ITEMS

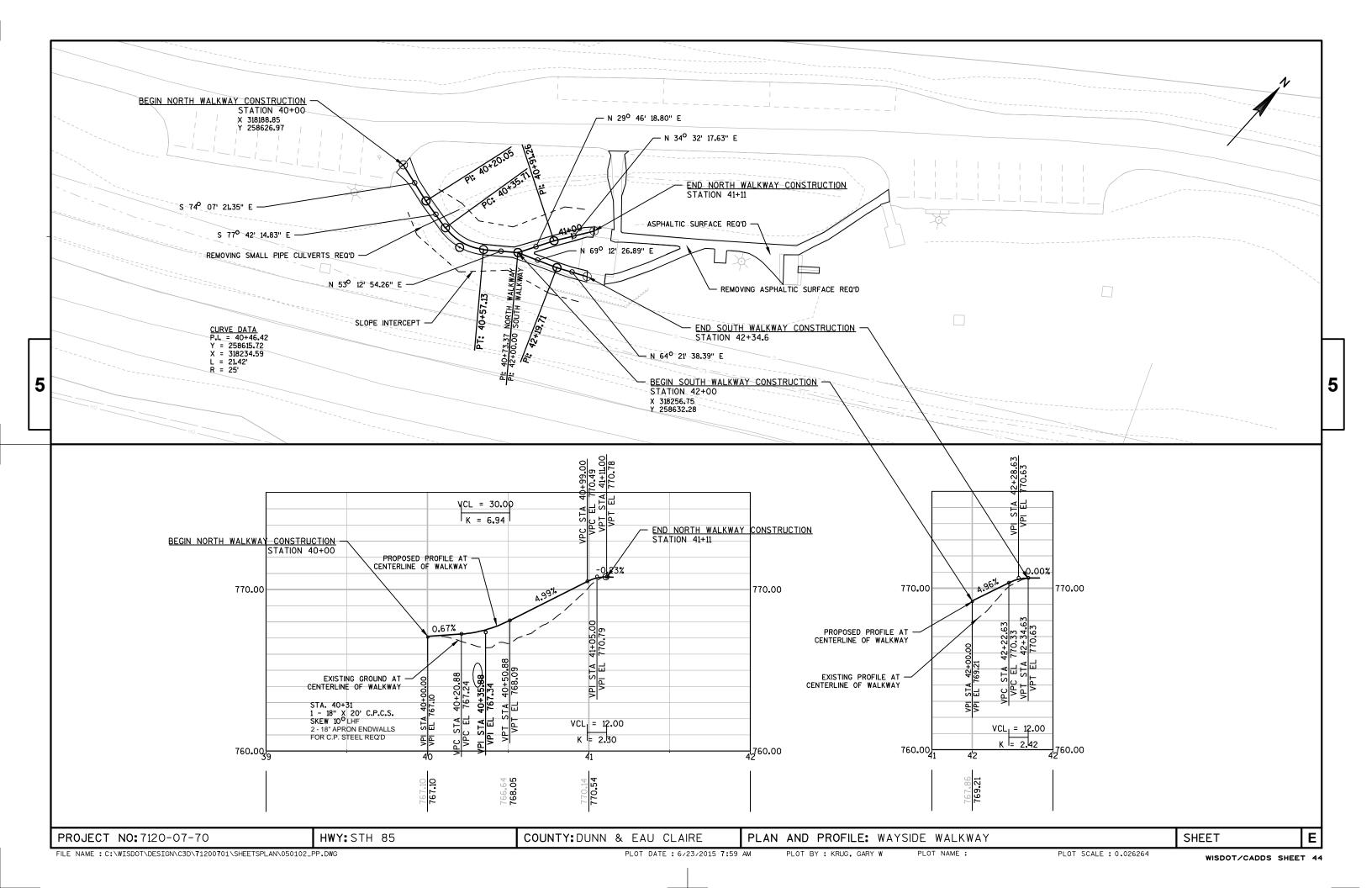
			GUARDRAIL MOWSTRIP	MGS GUARDRAIL	MGS GUARDRAIL	MGS THRIE BEAM	MGS GUARDRAIL
			ASPHALT	3	3 K	TRANSITION	TERMINAL EAT
			614.0396	614.2300	614.2330	614.2500	614.2610
CATEGORY	STATION TO STATION	LOCATION	SY	LF	LF	LF	EACH
0010	189+31 - 189+85	RIGHT					1
0010	189+54 - 190+07	LEFT					1
0010	189+85 - 190+22	RIGHT		37.5			
0010	190+07 - 190+46	LEFT				39.4	
0010	190+22 - 190+61	RIGHT				39.4	
0010	190+86 - 191+26	LEFT				39.4	
0010	191+02 - 191+42	RIGHT				39.4	
0010	191+26 - 191+63	LEFT		37.5			
0010	191+42 - 191+95	RIGHT					1
0010	191+63 - 192+16	LEFT					1
0010	312+62 - 313+15	RIGHT					1
0010	312+78 - 313+31	LEFT					1
0010	313+15 - 322+78	RIGHT			962.5		
0010	313+31 - 322+94	LEFT			962.5		
0010	314+50 - 315+10	RIGHT	30				
0010	315+20 - 315+80	LEFT	30				
0010	322+78 - 323+31	RIGHT					1
0010	322+94 - 323+47	LEFT					1
		TOTAL 0010	60	75.0	1,925.0	157.6	8

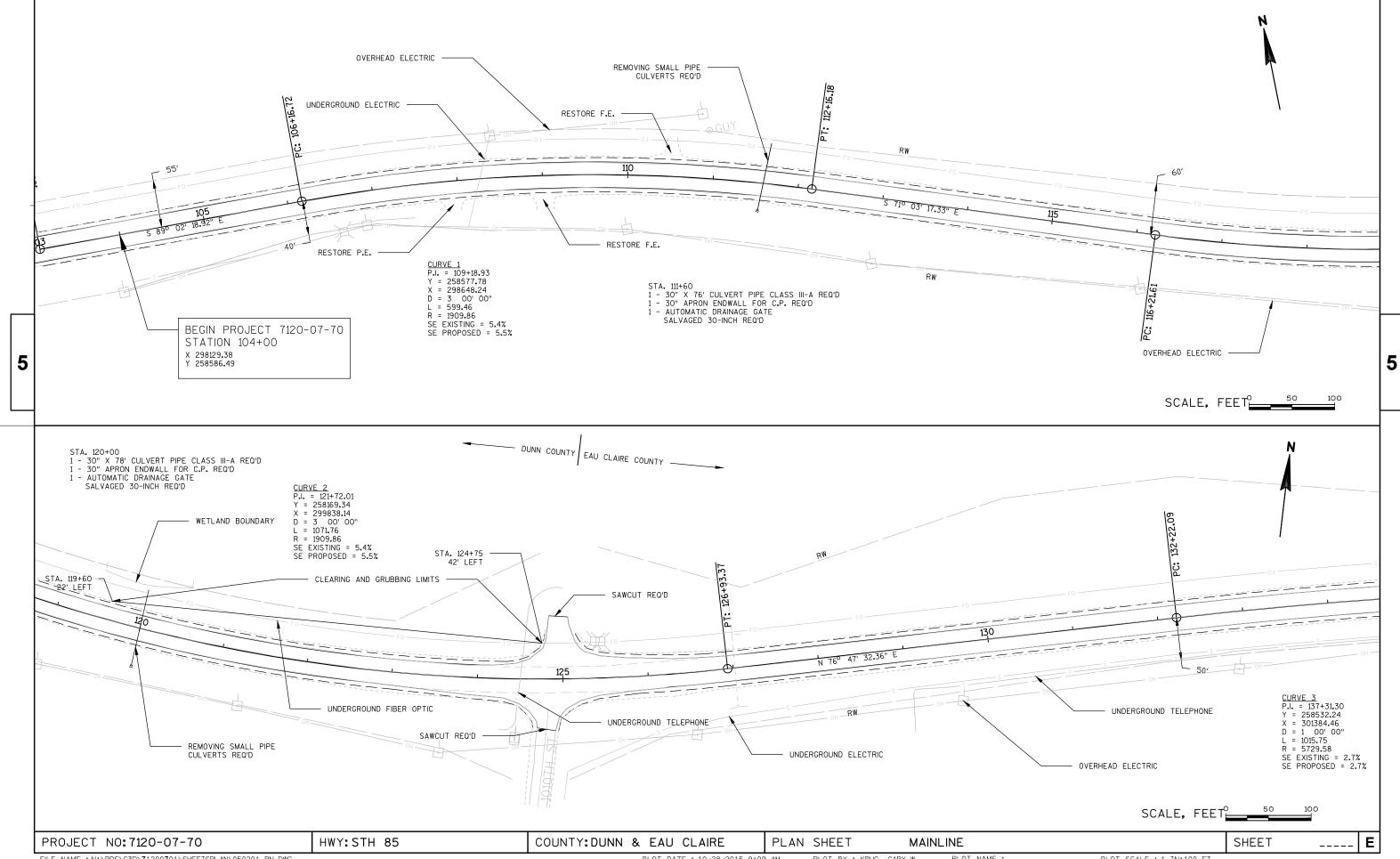
## LOCATING NO-PASSING ZONES

CATEGORY	STATION TO STATION	LOCATION	648.0100 MI
0010	104+00 - 338+53	PROJECT	4.39
		TOTAL 0010	4.39

PROJECT NO: 7120-07-70 HWY: STH 85 COUNTY: DUNN & EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET: E

FILE NAME : N:\PDS\...\030200\_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1





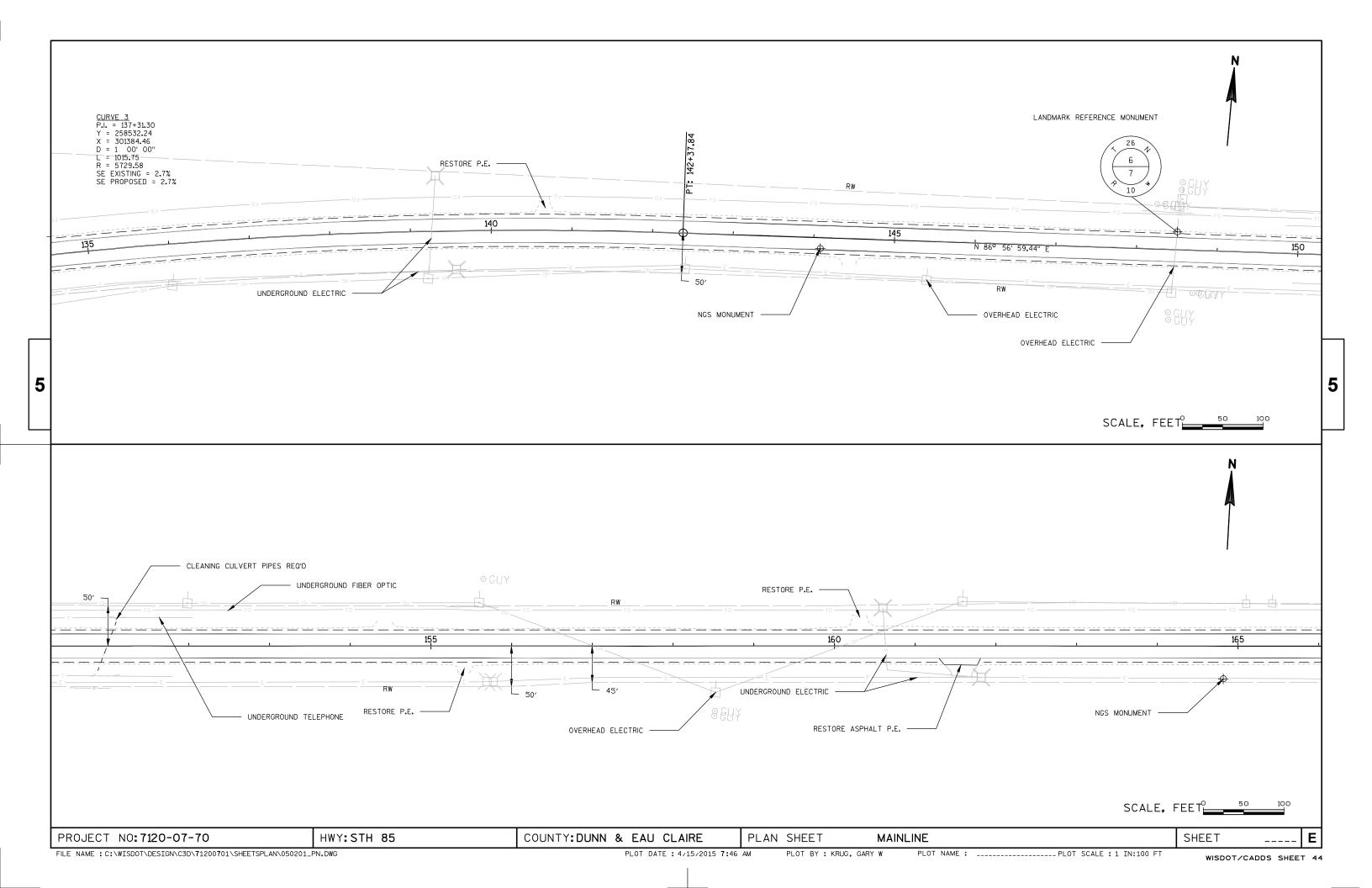
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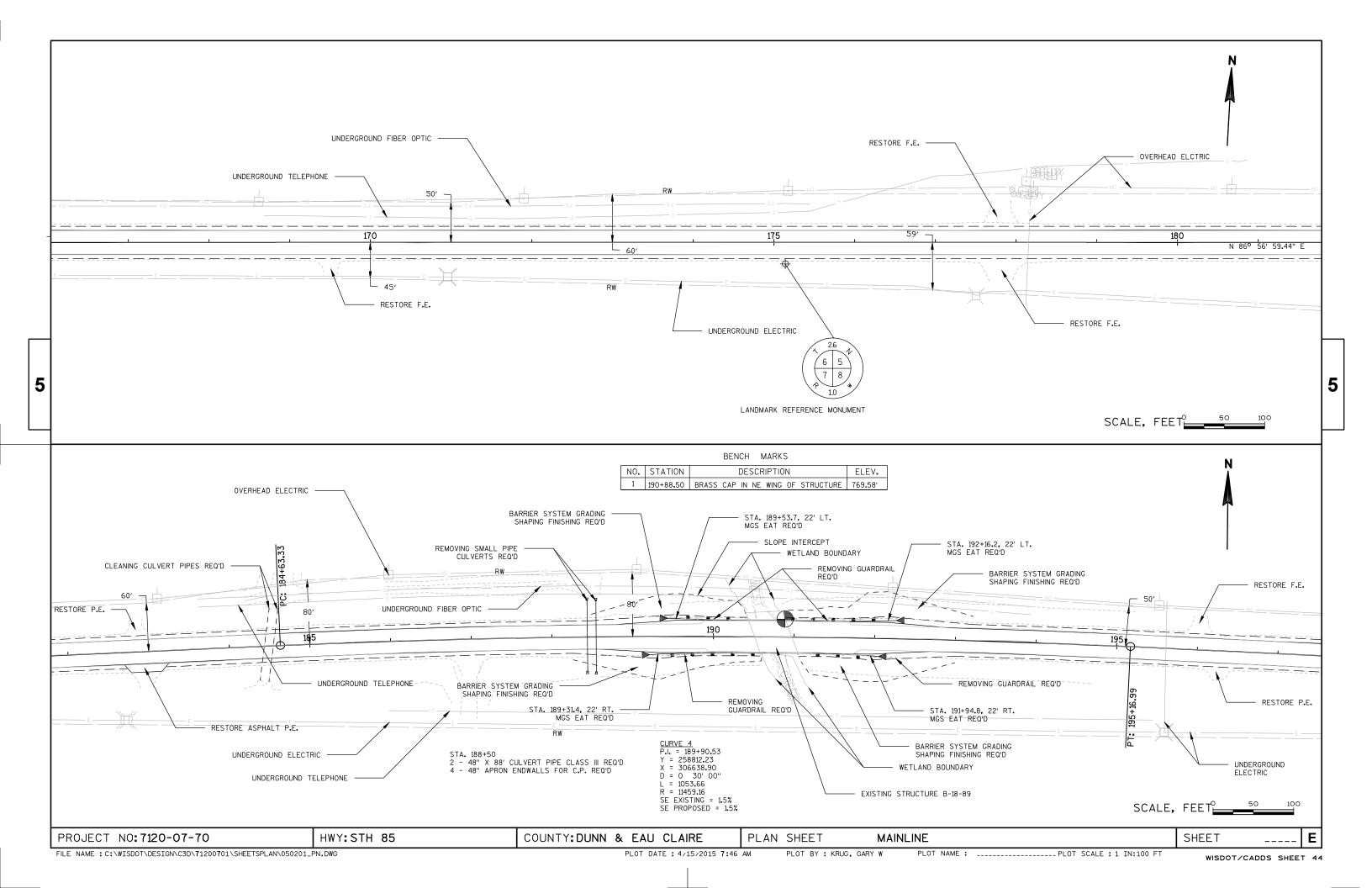
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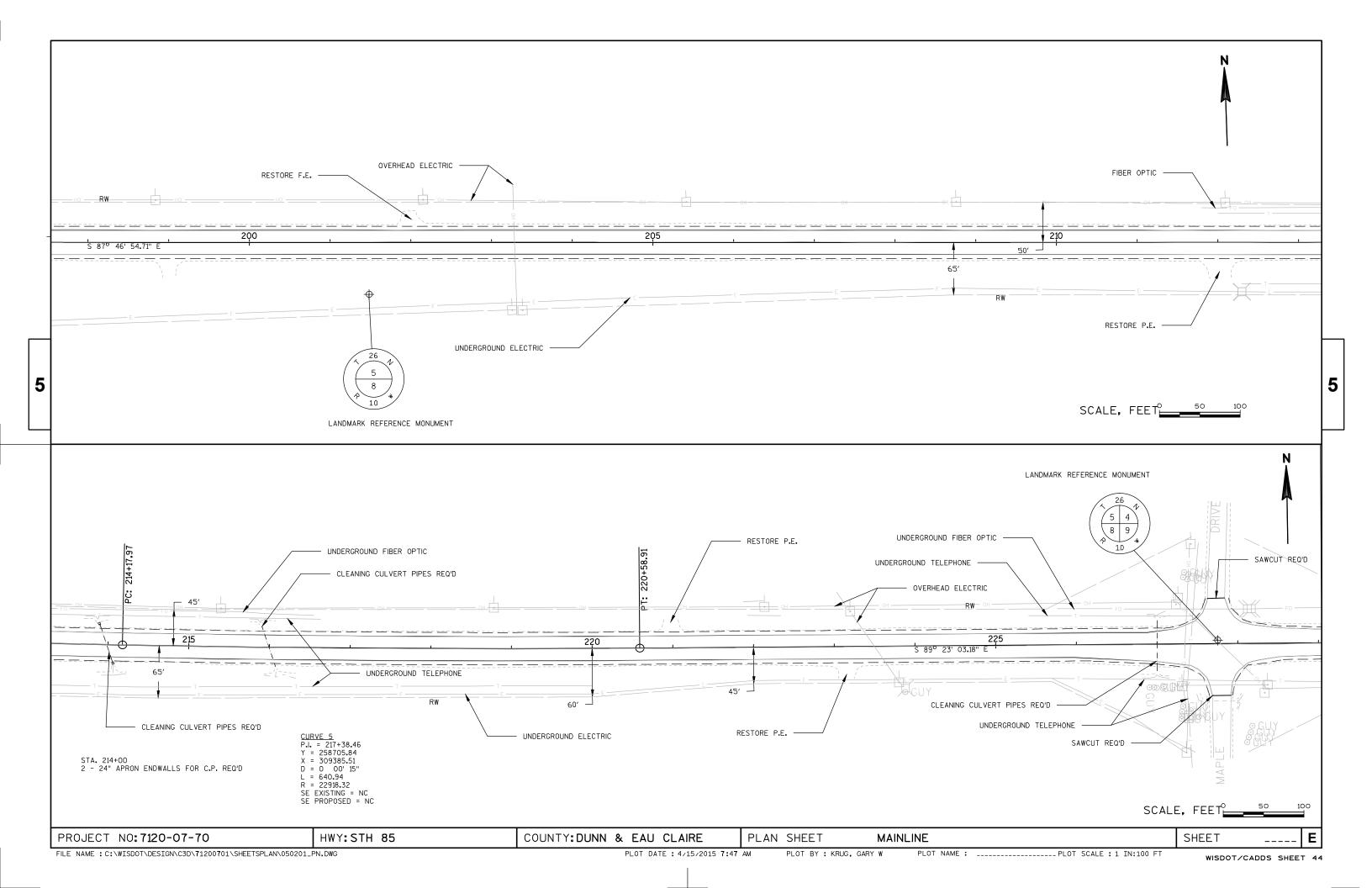
PLOT BY : KRUG, GARY W

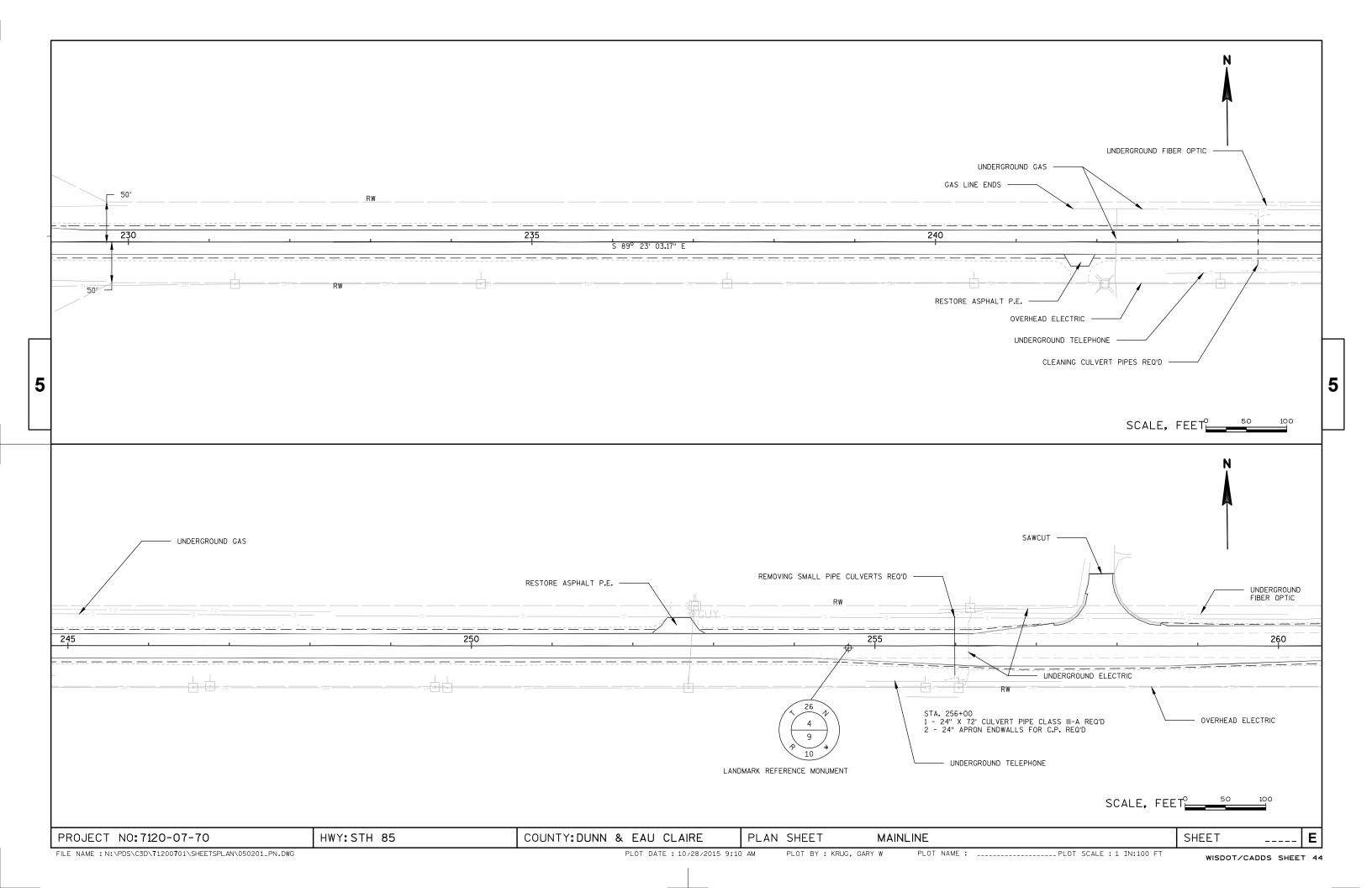
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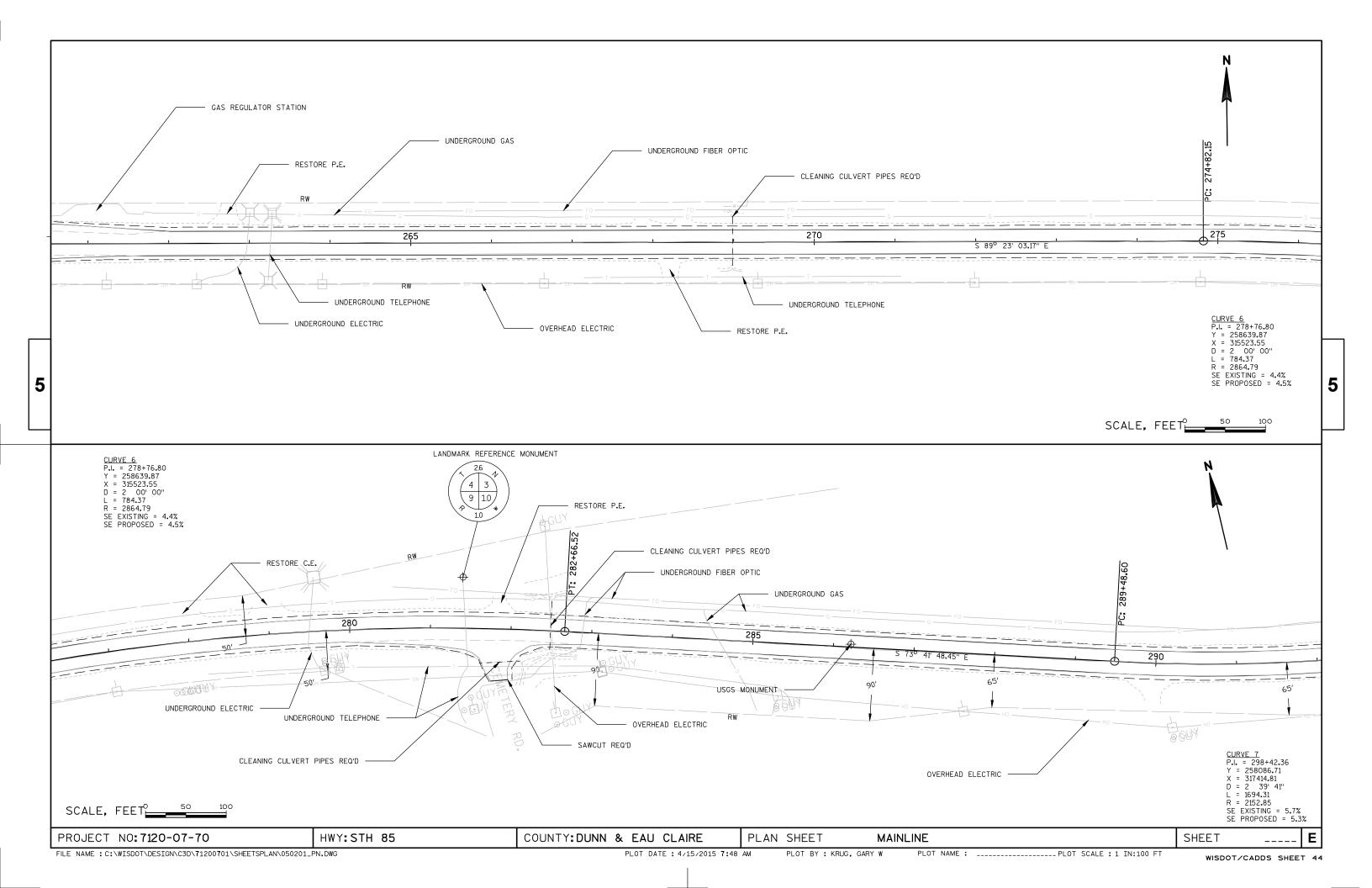
WISDOT/CADDS SHEET 44

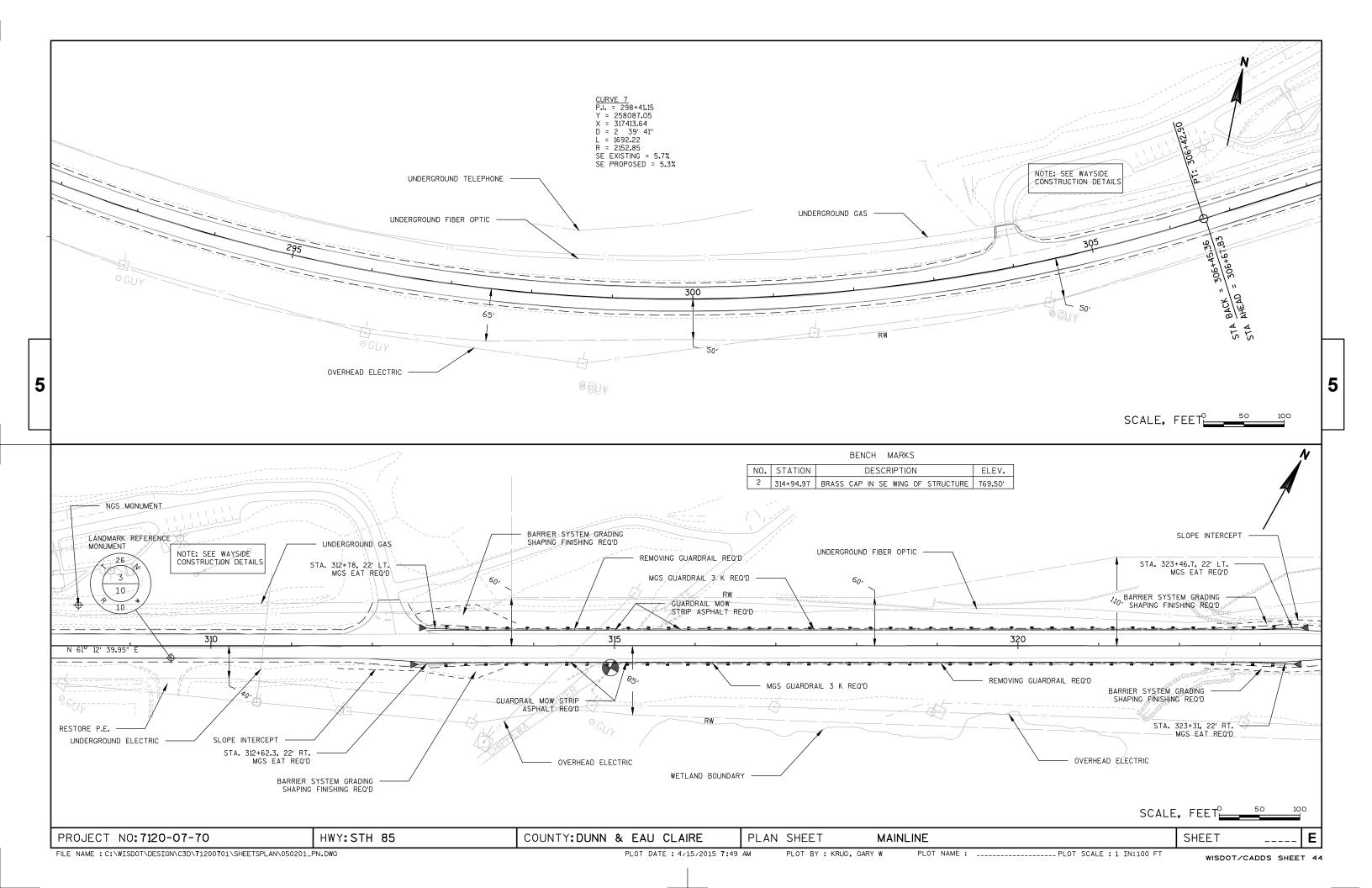


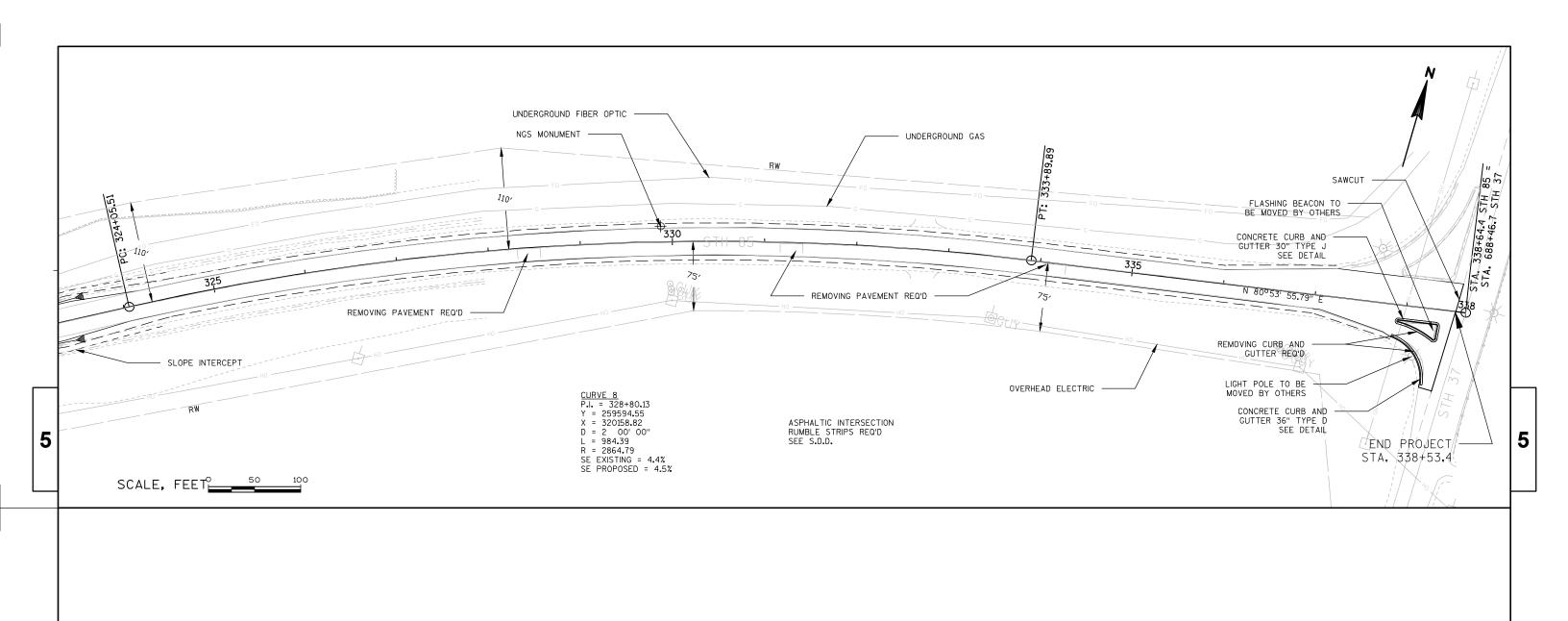












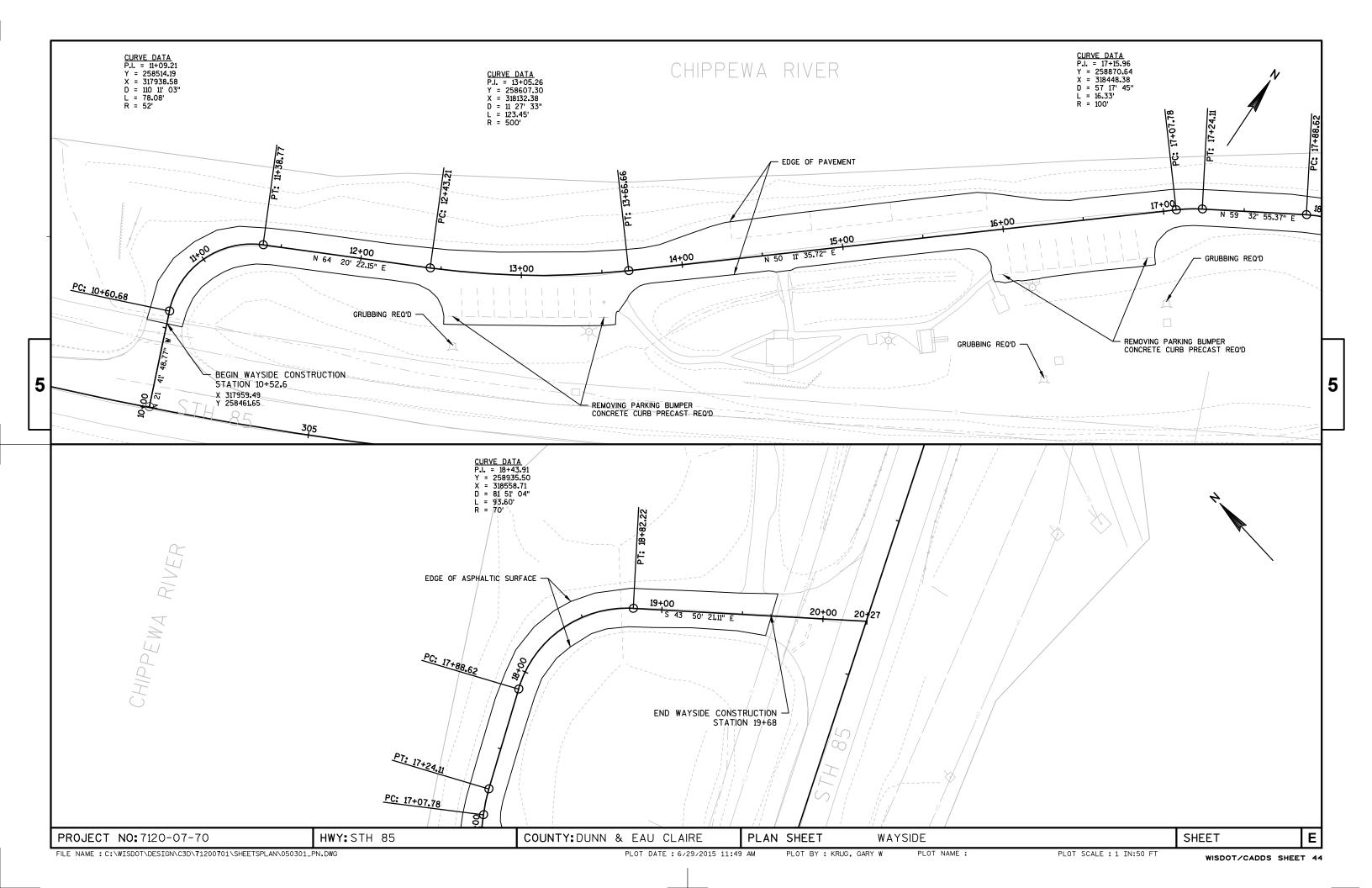
COUNTY: DUNN & EAU CLAIRE PROJECT NO: 7120-07-70 HWY:STH 85 PLAN SHEET MAINLINE SHEET E FILE NAME : C:\WISDOT\DESIGN\C3D\71200701\SHEETSPLAN\050201\_PN.DWG

PLOT DATE: 4/15/2015 7:49 AM

PLOT BY : KRUG, GARY W

PLOT NAME : .....PLOT SCALE : 1 IN:100 FT

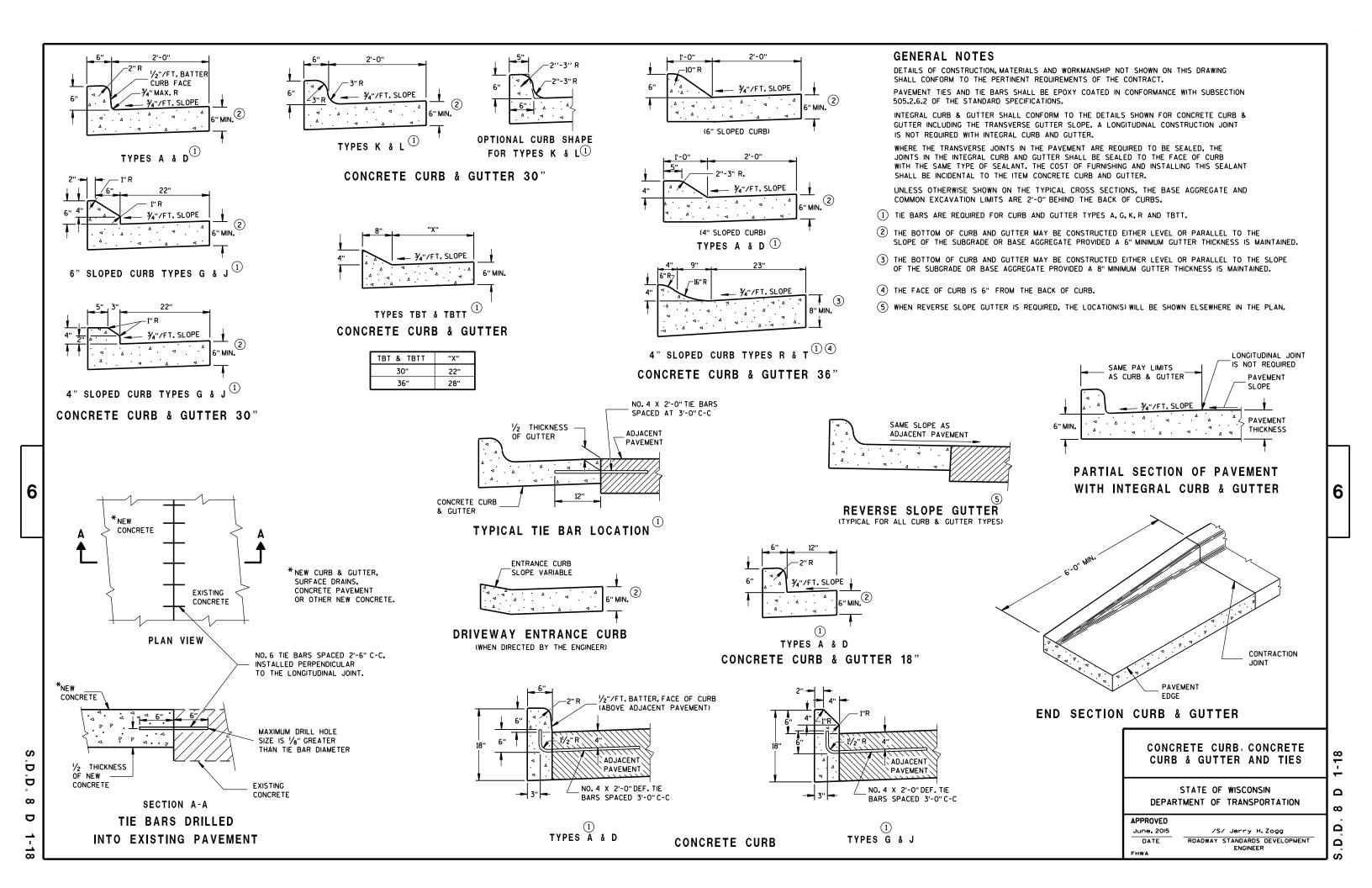
WISDOT/CADDS SHEET 44

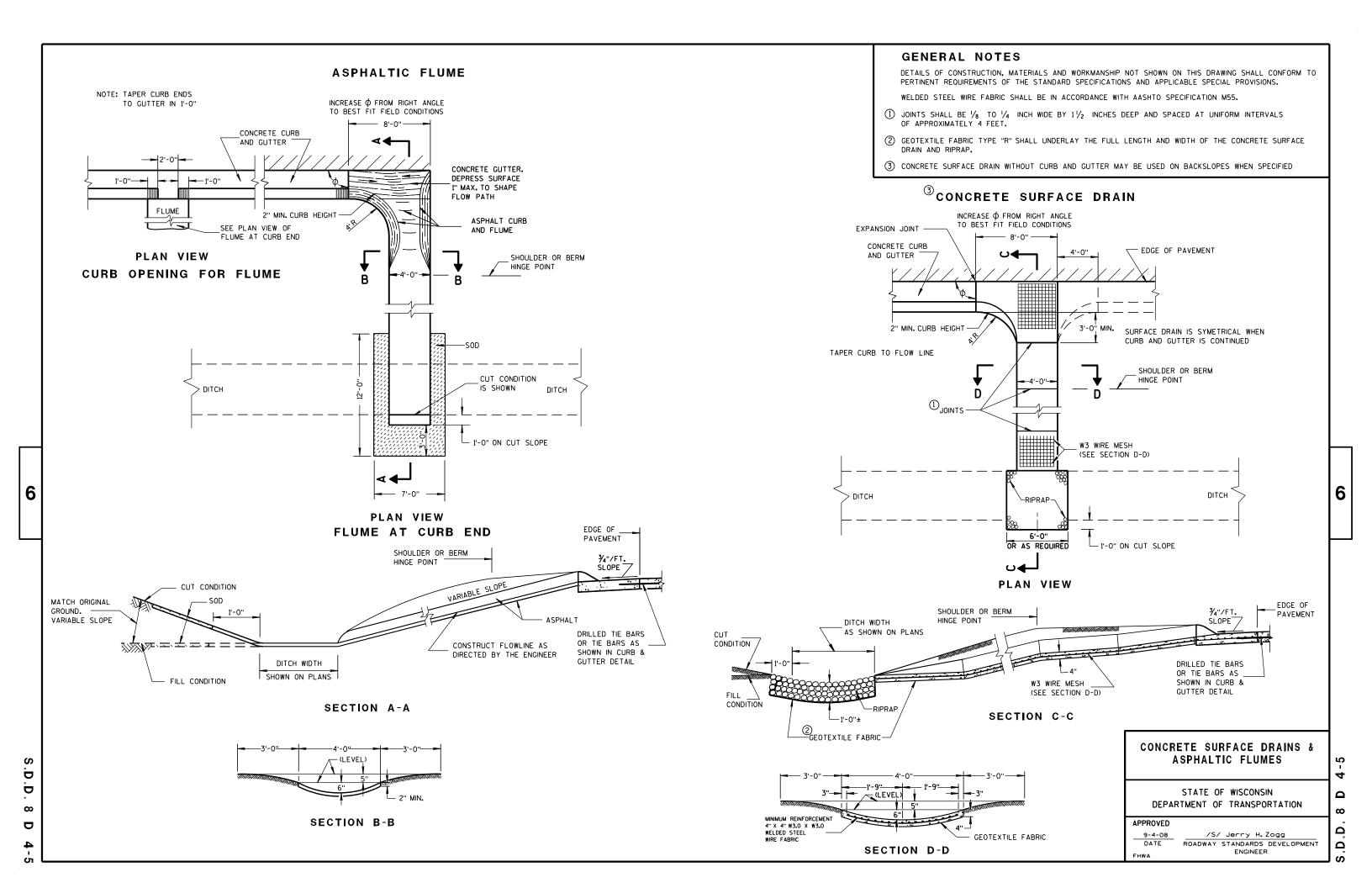


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## Standard Detail Drawing List

08D01-18 08D04-05 08E09-06 08E11-02 08F01-11	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES SILT FENCE TURBIDITY BARRIER APRON ENDWALLS FOR CULVERT PIPE
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B 13A08-01	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2" ASPHALTIC RUMBLE STRIPS AT INTERSECTION
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B28-03	GUARDRAI L MOW STRI P
14B42-03A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-02A	MI DWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRALL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C 14B45-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04I	MIDWEST GUARDRALL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04J 15A03-02A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) FLEXIBLE MARKER POST FOR CULVERT END
15A03-02A 15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-05A	BARRI CADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-02	BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15006-07	SIGNING & MARKING FOR TWO LANE BRIDGES
15C07-12A 15C08-16A	PAVEMENT MARKING SYMBOLS PAVEMENT MARKING (MAINLINE)
15C08-16A	PAVEMENT MARKING (INTERSECTIONS)
15C08-16F	PAVEMENT MARKING (INTERSECTIONS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY





## TYPICAL APPLICATION OF SILT FENCE

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## PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



#### **GENERAL NOTES**

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

- $\bigcirc$  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 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

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

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#### **GENERAL NOTES**

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

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- 2 SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT, H. EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.
- (4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE 02 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.





SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

#### TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER  $\infty$ 

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	METAL APRON ENDWALLS										
PIPE	(Inches)		DIMENSIONS (Inches)							APPROX.	
DIA.			A	В	Н	L	Lj	L <sub>2</sub>	W	SLOPE	BODY
(IN.)	STEEL	ALUM.	(±1")	(MAX.)	(±1")	(±1 ½")	①	0	(±2")	320.2	
12	.064	.060	6	6	6	21	12	171/2	24	2½+o 1	1Pc.
15	.064	.060	7	8	6	26	14	213/4	30	21/2+o 1	1Pc.
18	.064	.060	8	10	6	31	15	281/4	36	21/2+o 1	1Pc.
21	.064	.060	9	12	6	36	18	295/8	42	21/2+o 1	1Pc.
24	.064	.075	10	13	6	41	18	371/4	48	21/2+o 1	1Pc.
30	.079	.075	12	16	8	51	18	521/4	60	21/2+0 1	1Pc.
36	.079	<b>.</b> 105	14	19	9	60	24	59¾	72	21/2+o 1	2 Pc.
42	.109	.105	16	22	11	69	24	75%	84	21/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 <sup>1</sup> / <sub>4</sub> +o 1	3 Pc.
54	.109	.105	18	30	12	84	30	851/2	102	2 <sup>1</sup> / <sub>4</sub> †o 1	3 Pc.
60	.109×	.105×	18	33	12	87	_	_	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	_	_	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	_	_	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	_	_	132	11/2+0 1	3 Pc.
84	.109×	.105×	18	45	12	87	_	_	138	11/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	_	_	144	11/2+0 1	3 Pc.
96	.109×	.105×	18	35	12	87	_	_	150	1/2+0 1	3 Pc.

	REINFORCED CONCRETE APRON ENDWALLS							
PIPE	DIMENSIONS (Inches)							APPROX.
DIA.	T	A	В	С	D	Ε	G	SLOPE
12	2	4	24	48 1/8	721/8	24	2	3 to 1
15	21/4	6	27	46	73	30	21/4	3 to 1
18	21/2	9	27	46	73	36	21/2	3 to 1
21	23/4	9	36	371/2	731/2	42	23/4	3 to 1
24	3	91/2	431/2	30	731/2	48	3	3 to 1
27	31/4	101/2	491/2	24	731/2	54	31/4	3 to 1
30	$3\frac{1}{2}$	12	54	193/4	731/2	60	31/2	3 to 1
36	4	15	63	34¾	97¾	72	4	3 to 1
42	$4\frac{1}{2}$	21	63	35	98	78	41/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	51/2		65	**************************************	8 <sup>1</sup> / <sub>4</sub> - 100	90	51/2	2% to 1
60	6	* ** 30-35	60	39	99	96	5	2 to 1
66	61/2	<del>* **</del>  24-30	<del>*</del> <del>* *</del>   72-78	* * * 21-27	99	102	51/2	2 to 1
72	7	* ** 24-36	78	21	99	108	6	2 to 1
78	71/2	* ** 24-36	78	21	99	114	61/2	2 to 1
84	8	36	901/2	21	1111/2	120	61/2	1½+o 1
90	81/2	41	871/2	24	1111/2	132	61/2	11/2+0 1

THREADED %6" DIA. ROD CONNECTOR AROUND CULVERT & THROUGH TANK TYPE CONNECTOR LUG LUG OR ALTERNATE CONNECTOR STRAP (SEE DETAIL) MEASURED LENGTH OF CULVERT TYPE 1 FOR 12" THRU 24" CORR. PIPE







NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL.

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

DIMPLED BAND MAY BE USED WITH HELICALLY

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

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

1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT ALTERNATE FOR TYPE 1 CONNECTION END SECTION CONNECTOR STRAP

#### \* EXCEPT CENTER PANEL SEE GENERAL NOTES





SHOULDER

SLOPE



SIDE ELEVATION METAL ENDWALLS



\*\*MAXIMUM





CONCRETE ENDWALLS

CONNECTION DETAILS



### SECTION A-A

#### GENERAL NOTES

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

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

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

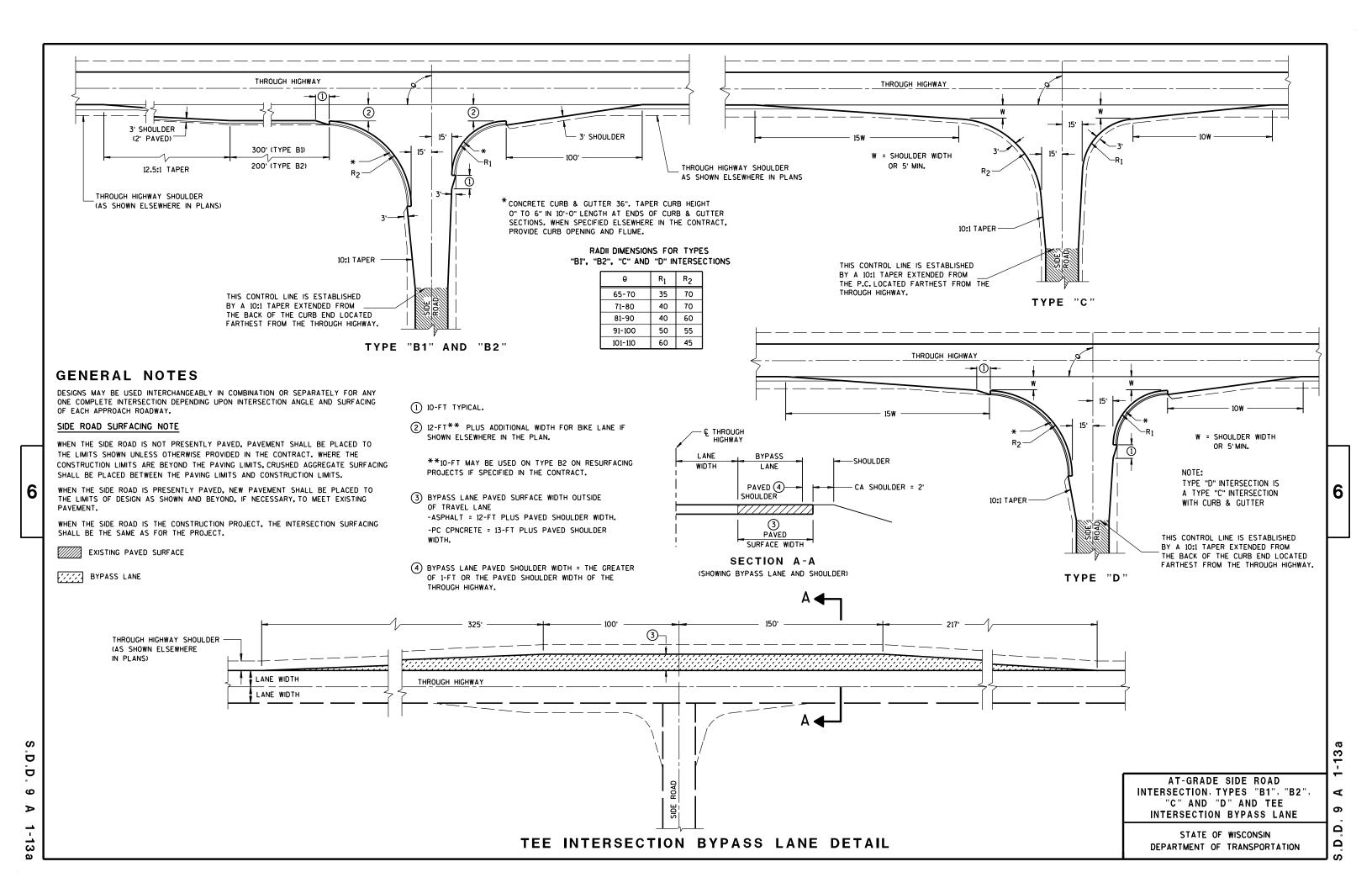
LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES.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

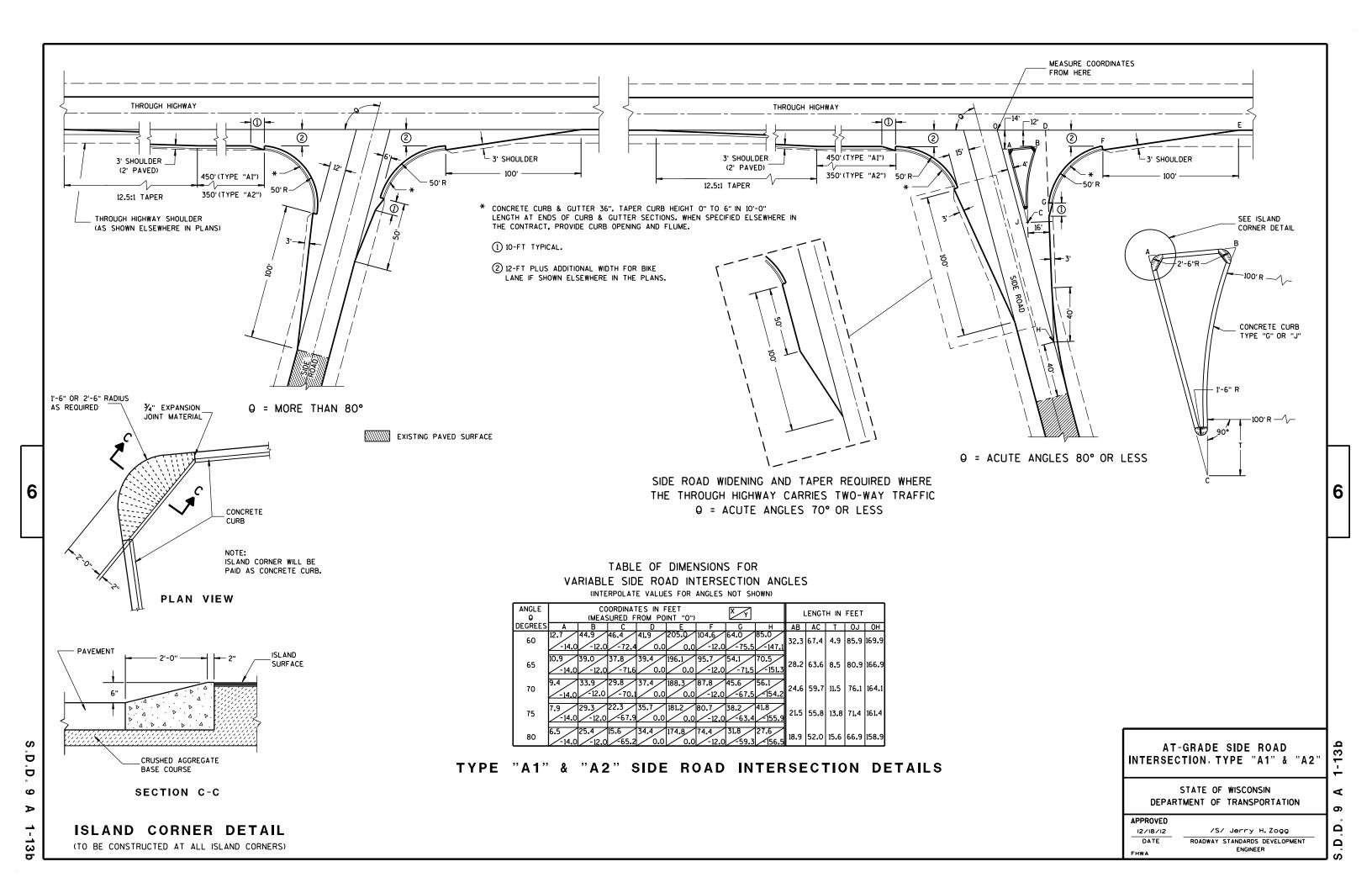
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

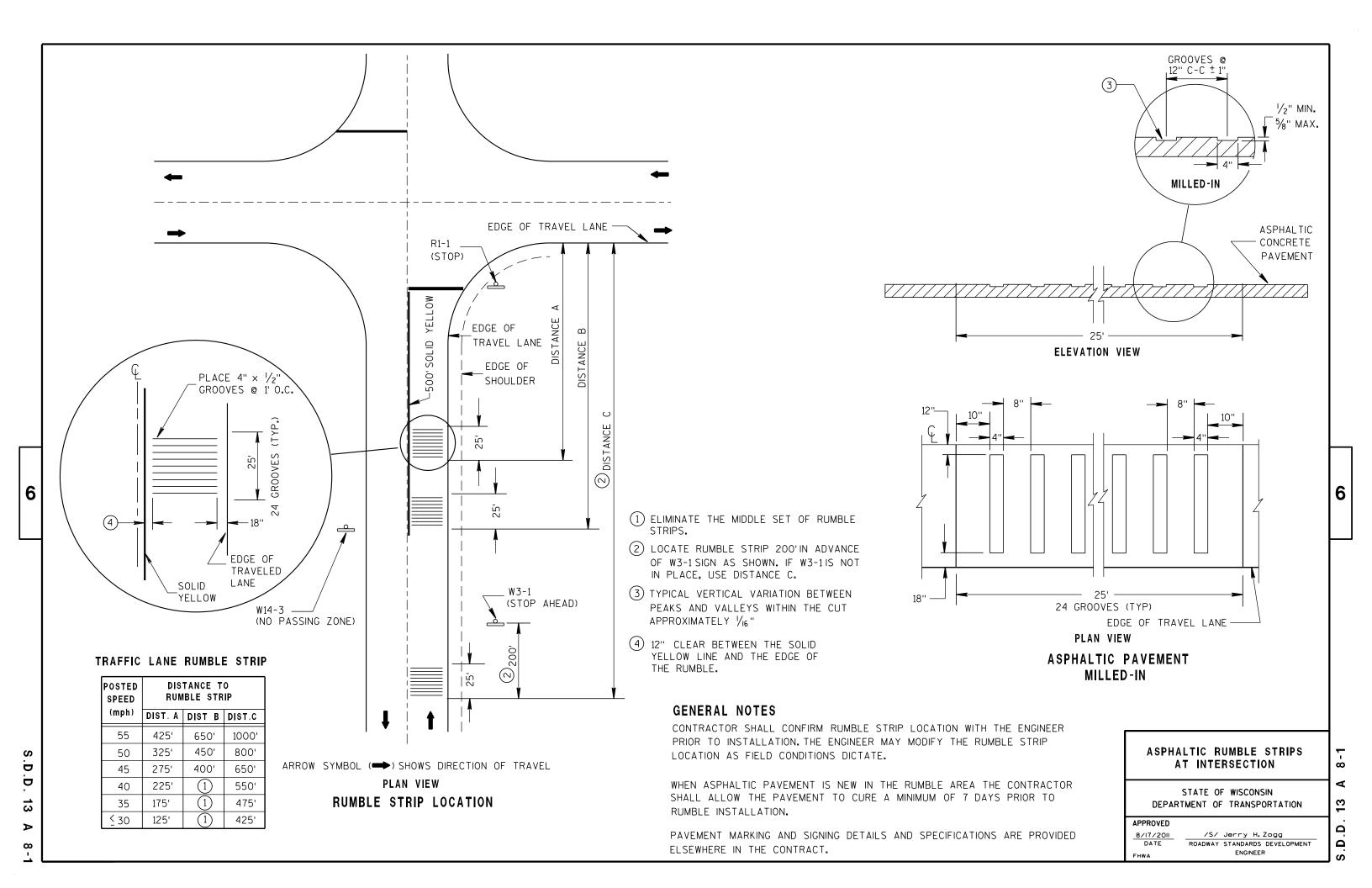
(1) FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

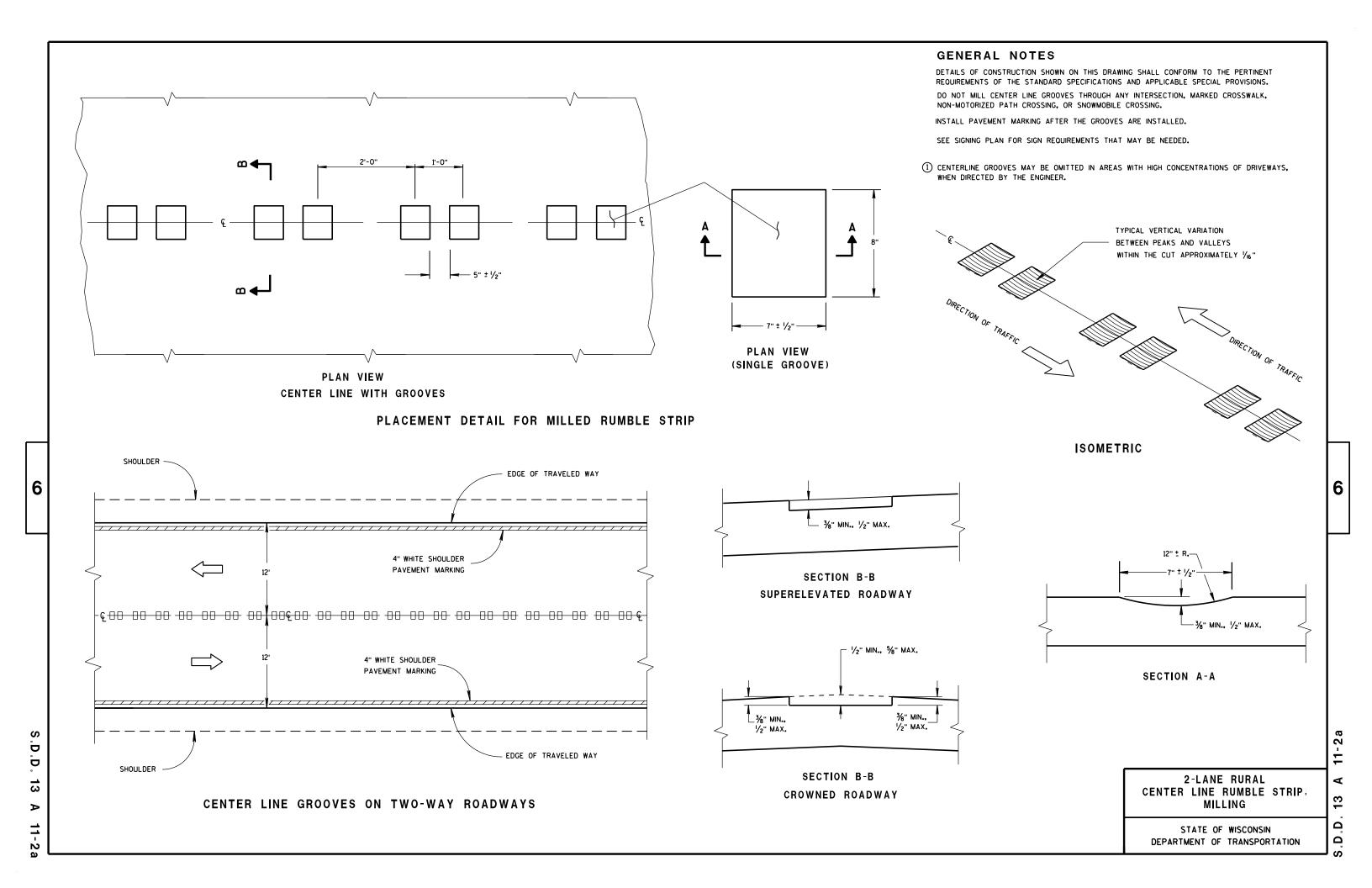


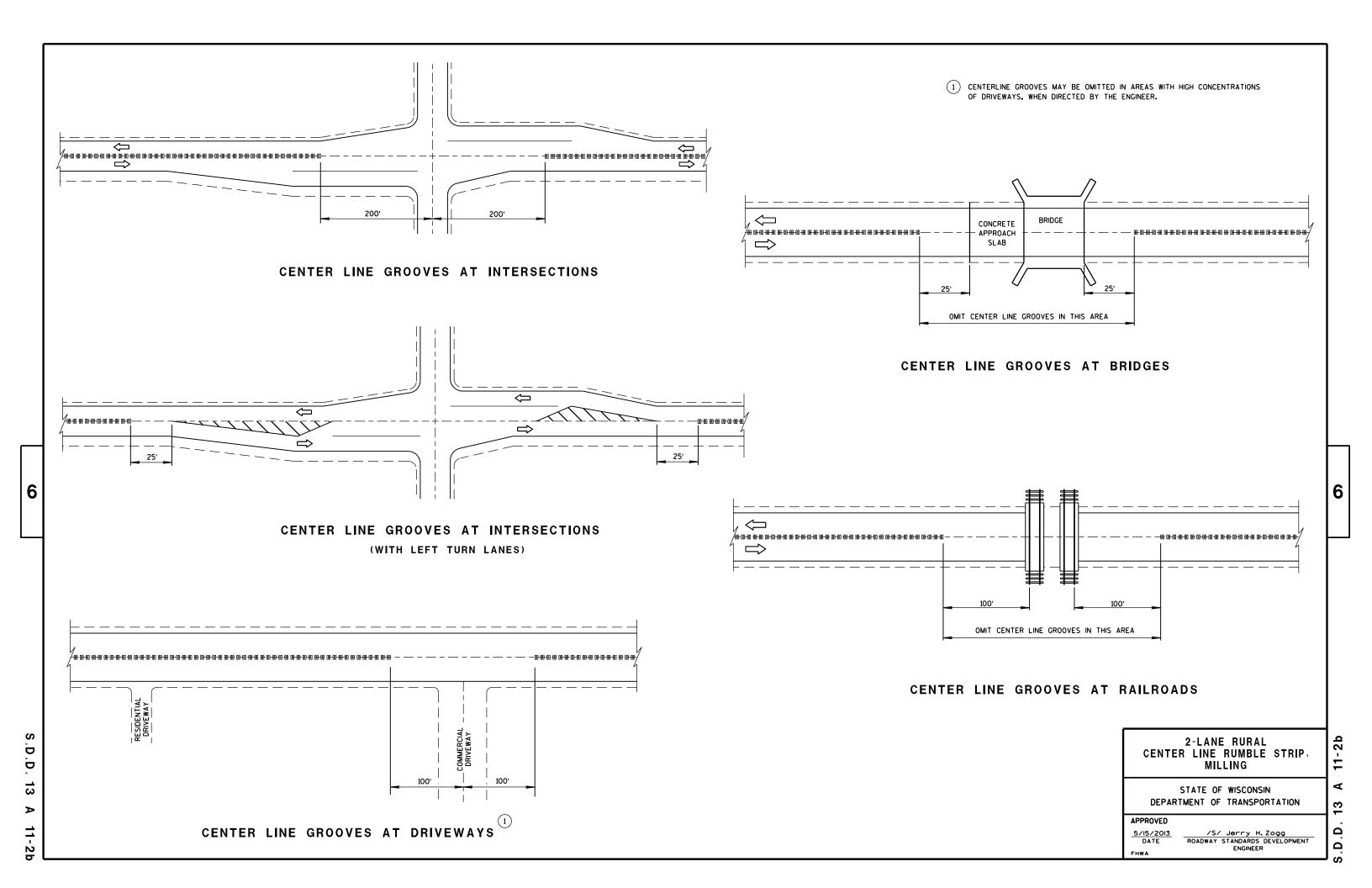
11/30/94 /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER

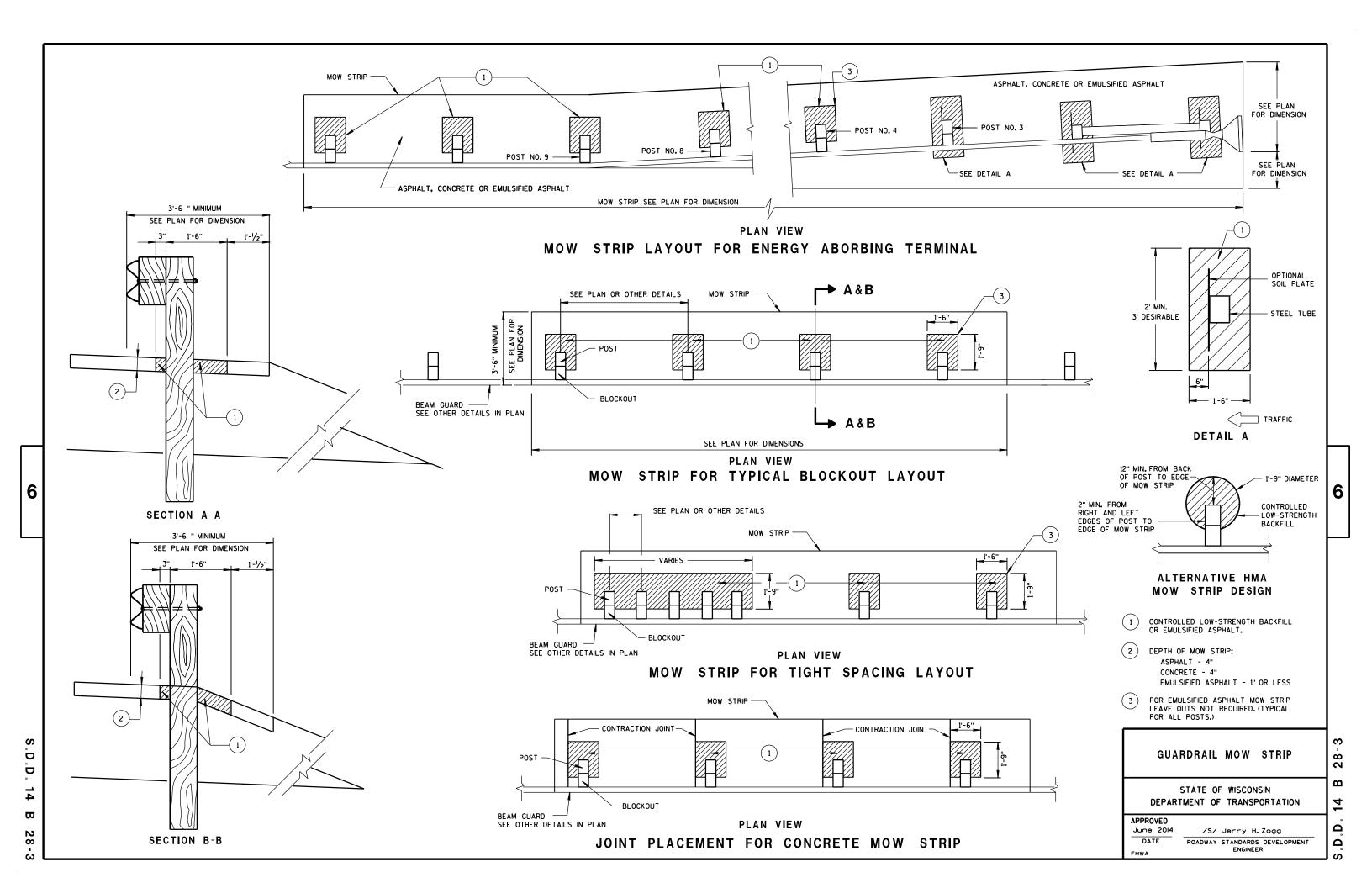






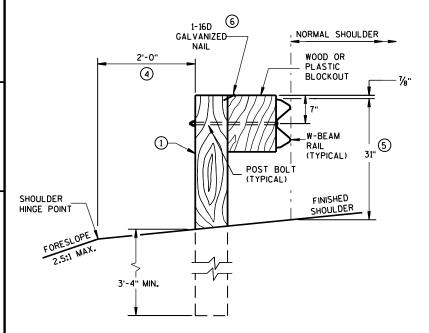






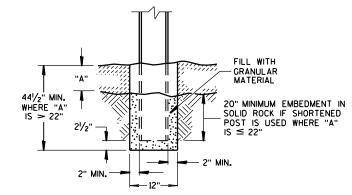
#### **GENERAL NOTES**

- (1) WOOD OR STEEL POSTS (W6X9 OR W6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- 2 USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 21/2 INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- (4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 273/4" TO 32".
- (6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



**END VIEW** 

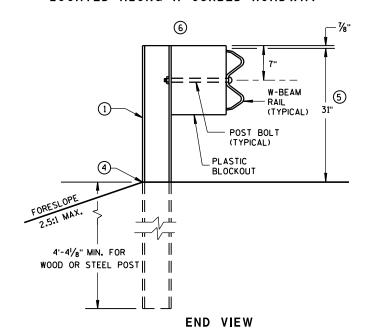
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



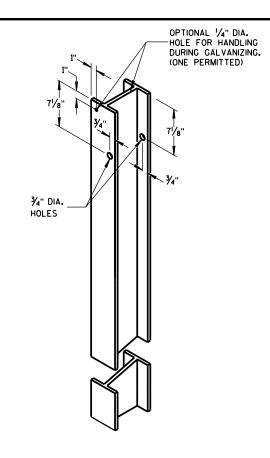
SETTING STEEL OR WOOD POST IN ROCK  $^{\scriptsize{\textcircled{3}}}$ 



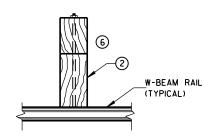
END VIEW
LOCATED ALONG A CURBED ROADWAY



MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



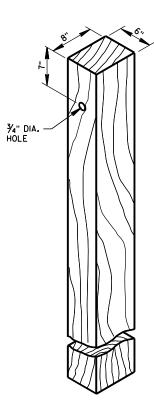
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL  $^{\scriptsize \textcircled{1}}$ 



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
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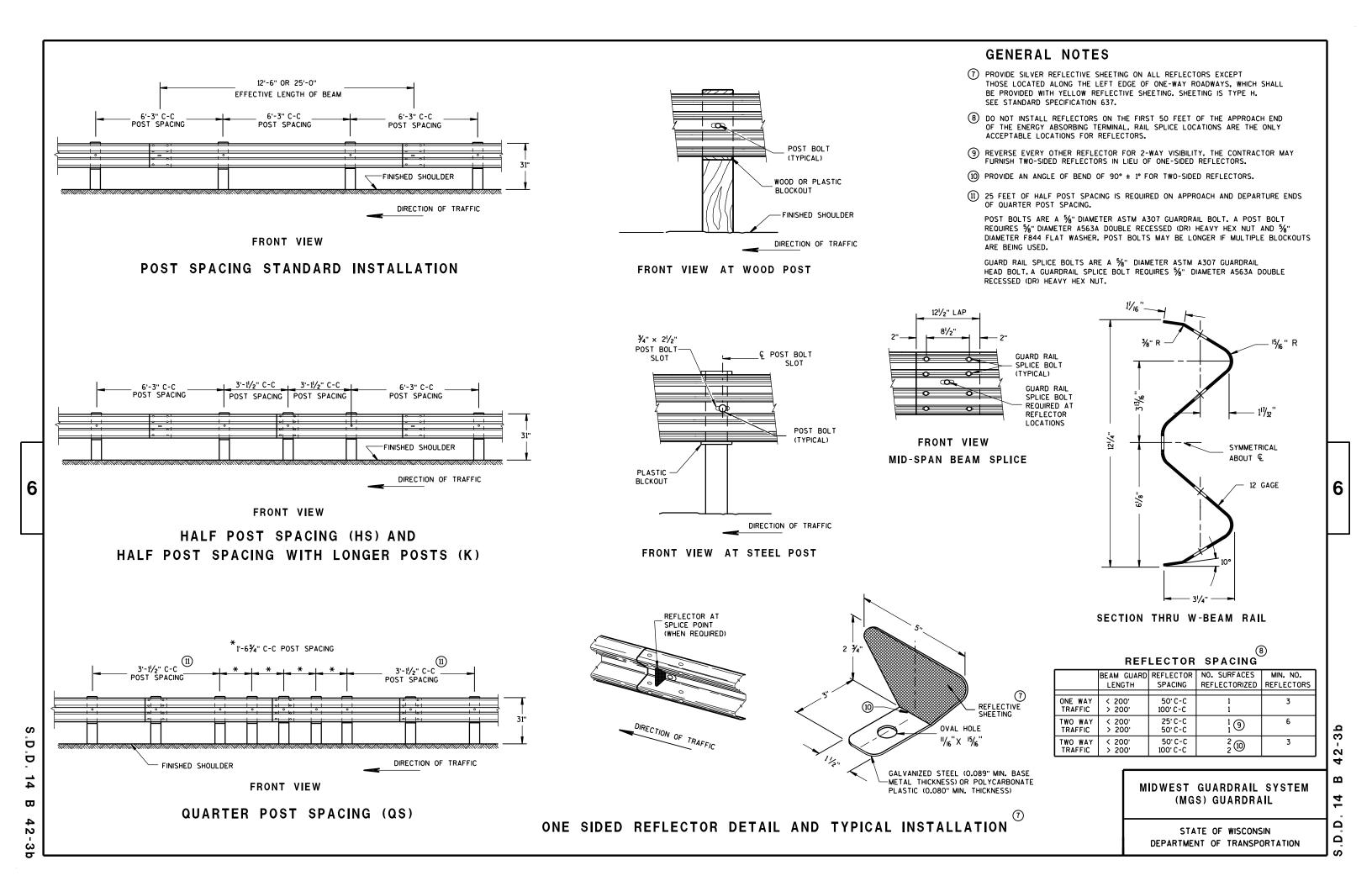
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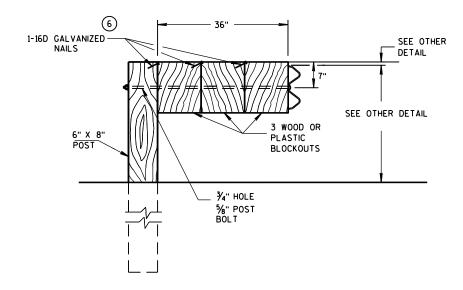
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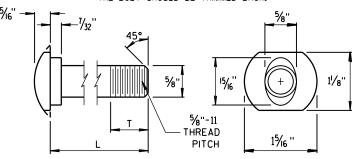


#### DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

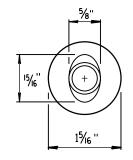
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF  $\frac{1}{16}$ ". 2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

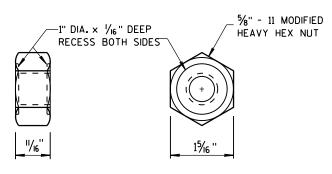


#### POST BOLT TABLE

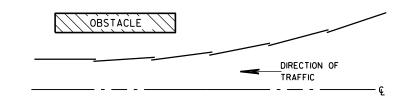
11/8"
437
13/4"
4"
41/16"
4"
41/16"
4"



ALTERNATE BOLT HEAD

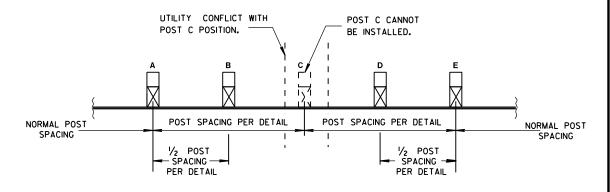


POST BOLT AND RECESS NUT



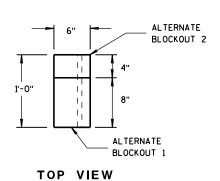
#### **PLAN VIEW**

#### **BEAM LAPPING DETAIL**



#### POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

#### ALTERNATE WOOD **BLOCKOUT DETAIL**

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2014 /S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER FHWA

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# SECTION A-A SECTION B-B

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PLAN VIEW

#### BILL OF MATERIALS

PART NO.	DESCRIPTION  MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
1	WOOD BREAKAWAY POST
2	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1AND 2
3	WOOD CRT
4	WOOD BLOCKOUT
(5)	PIPE SLEEVE
6	BEARING PLATE
7	BCT CABLE ASSEMBLY
8	ANCHOR CABLE BOX
9	GROUND STRUT
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
12	END SECTION EAT
(3)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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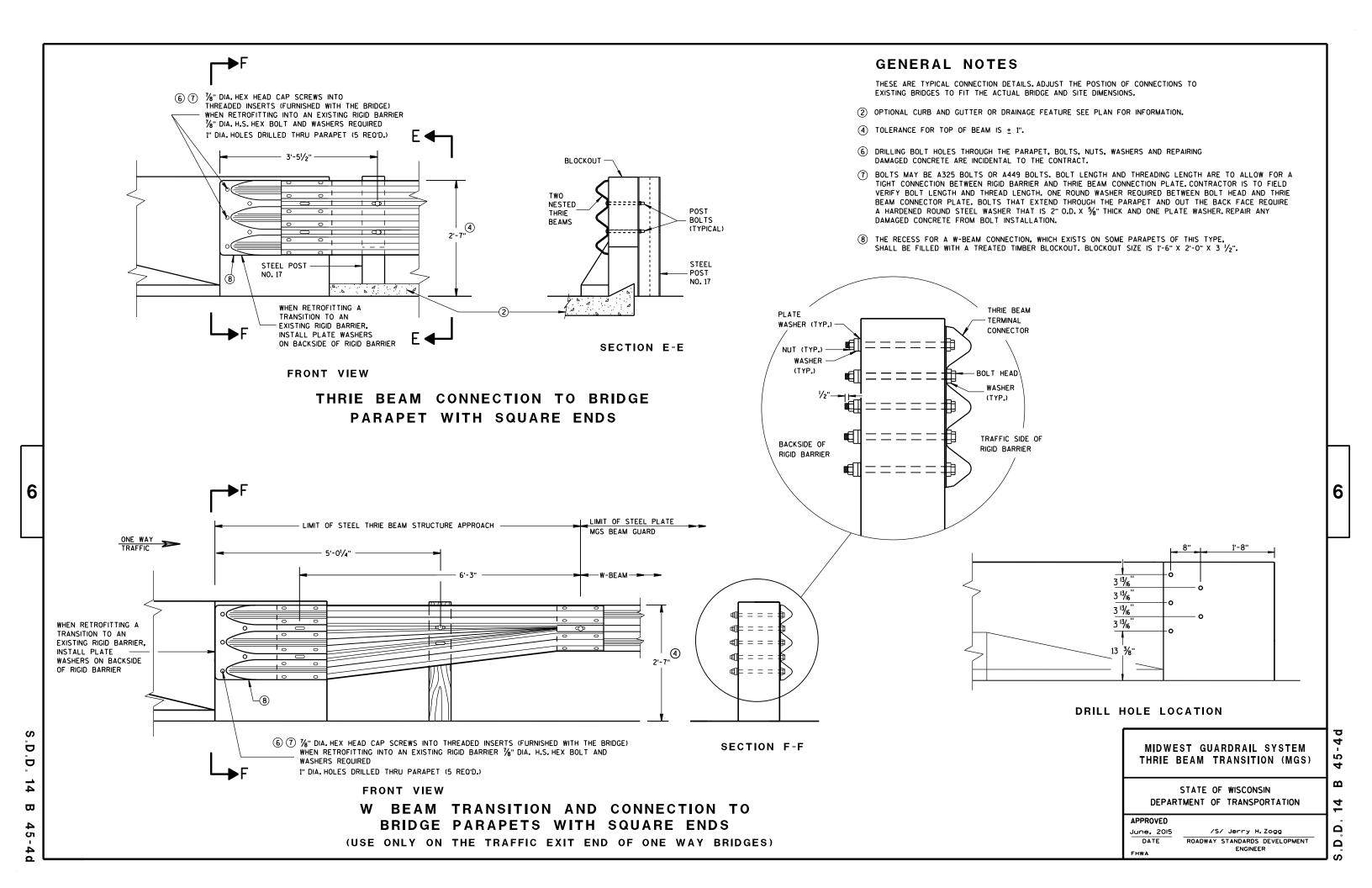
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THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

- (2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
- (4) TOLERANCE FOR TOP OF BEAM IS ± 1".

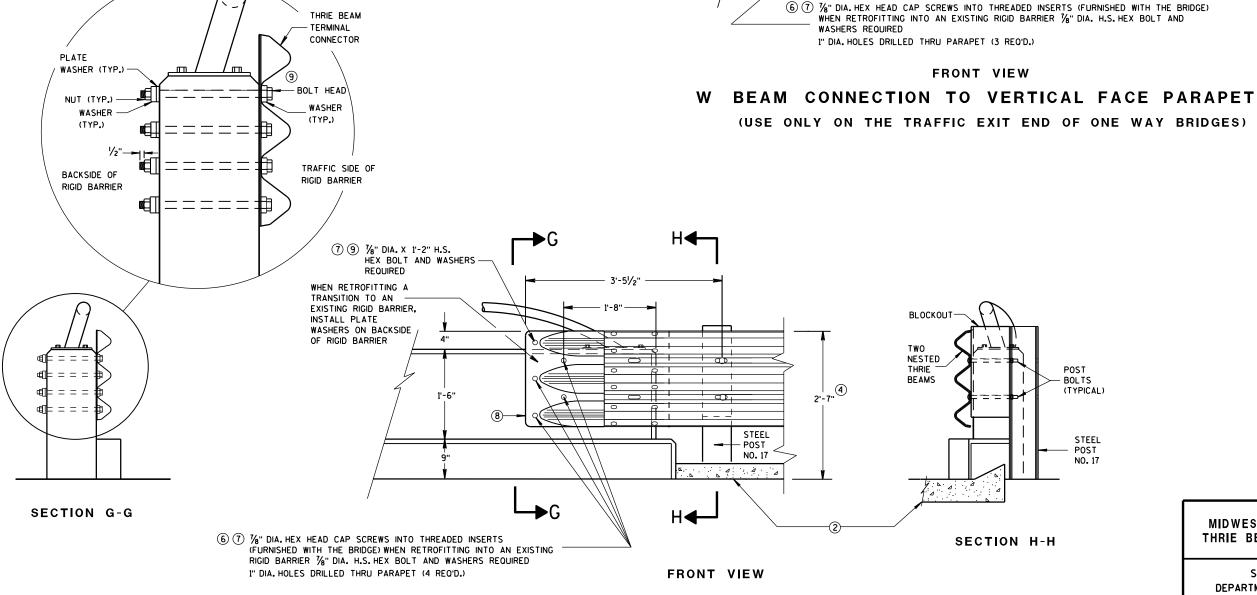
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- (6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.
- TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTION PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5%" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.
- (8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".
- (9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.



THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

(7) 1/8" DIA. X 1'-2" H.S.

REQUIRED

WHEN RETROFITTING

A TRANSITION TO

AN EXISTING RIGID

BARRIFR, INSTALL

PLATE WASHERS

ON BACKSIDE OF

RIGID BARRIER

HEX BOLT AND WASHERS

W BEAM TERMINAL -

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MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
APPROVED
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE

FHWA

LIMIT OF STEEL PLATE

MGS BEAM GUARD

ONE WAY

TRAFFIC

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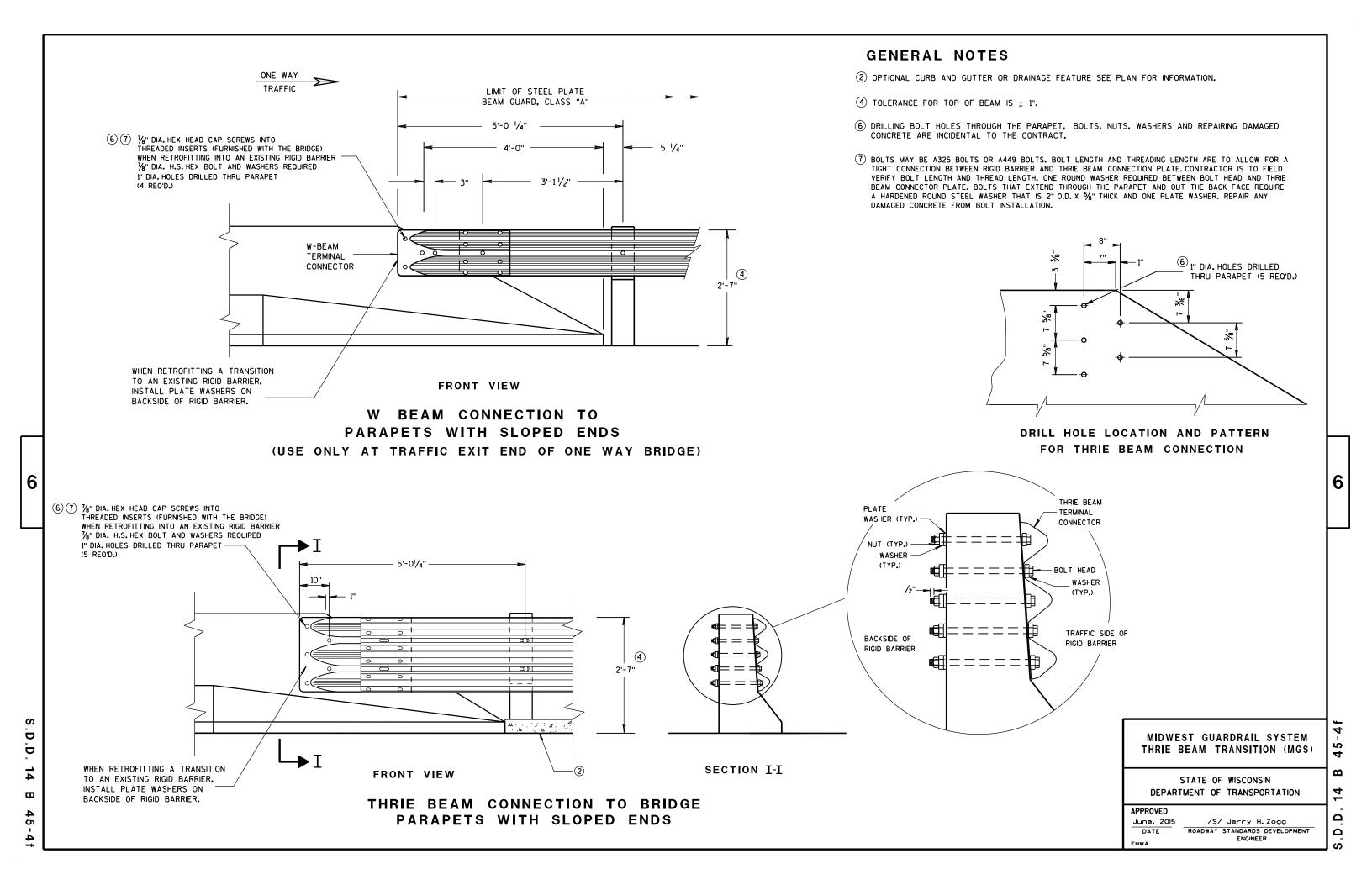
2'-7"

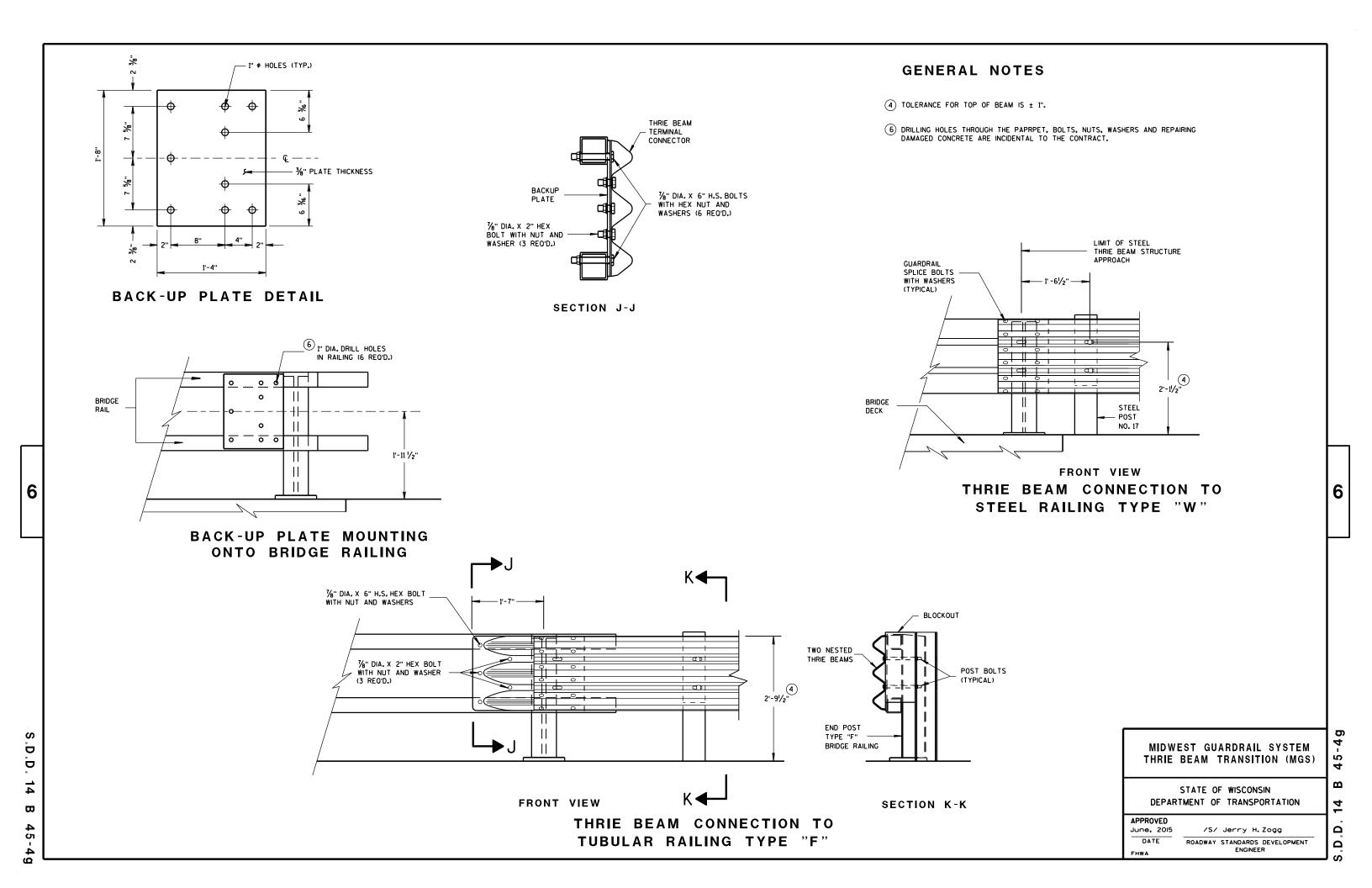
5'-0 1/4" —

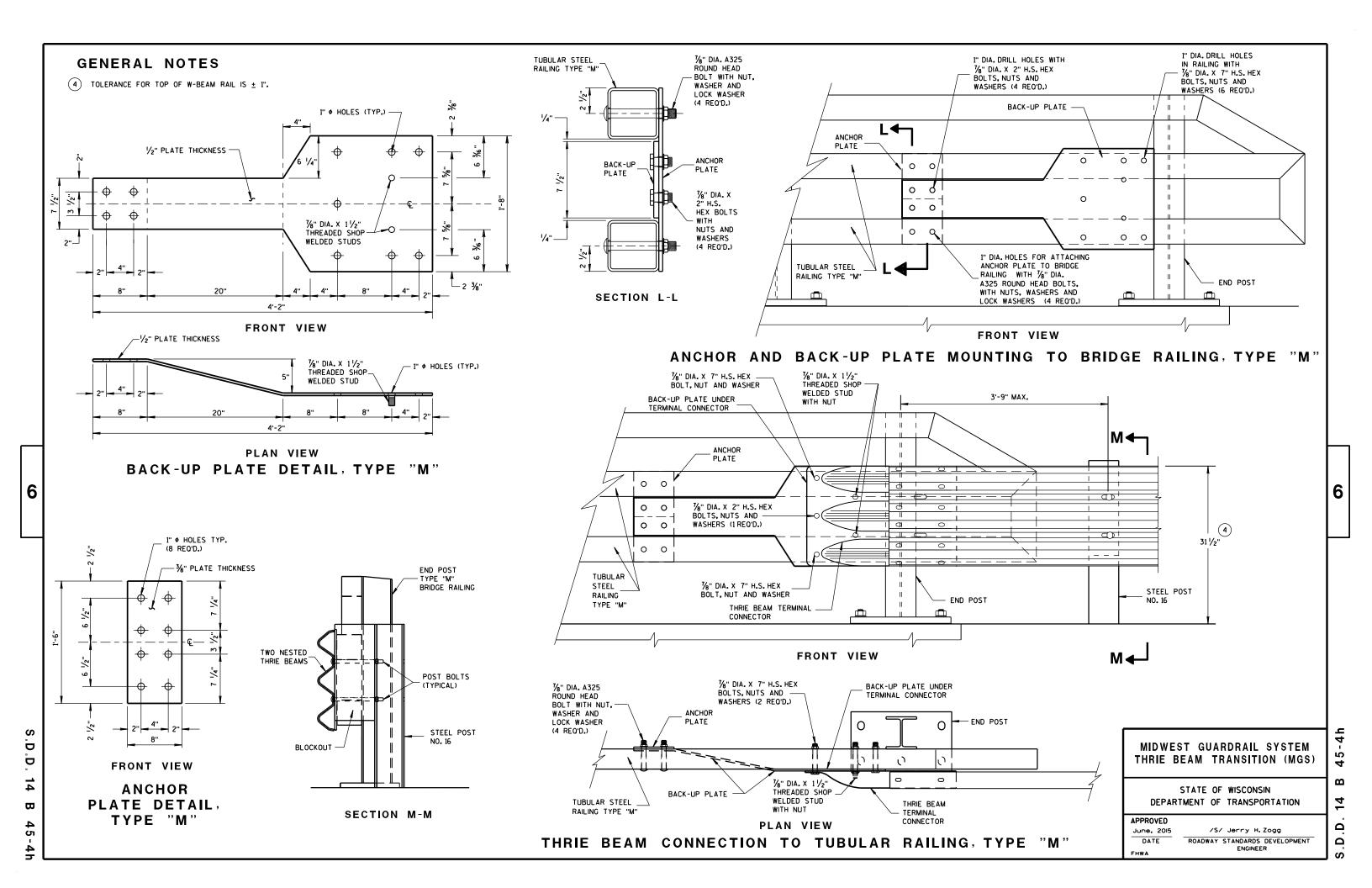
- 3'-1<sup>1</sup>/<sub>2</sub>"

ROADWAY STANDARDS DEVELOPMENT ENGINEER

S.D







	(PER ASSEMBLY)														
PLATE	QUANTITY			THICKNESS											
P1	1	в₫	20" × 20"	3√6 "											
P2	1	B∤c	20" × 20" × 28 <b>%</b> 6"	3/6 "											
Р3	1	B C D	39" × 35/8" × 20" × 191/6"	3/6 "											
S1	4	B A	18 <b>%</b> 6" × 3 <b>%</b> " × 18 <b>¾</b> "	1/4"											
S2	1	B D	101/4" × 21/6" × 103/8" × 1/2"	1/4"											
S3	1	B₽₽	3" × 11/16" × 31/8" × 1/2"	1/4"											
S4	1	в₫	61/8" × 21/6"	1/4"											
S5	1	в₾	6½" × ½"	1/4"											
S6	1	вД	7¾"× 1¾"	1/4"											
<b>S7</b>	1	A DC	2%6" × 6" × 3%" × 5%"	1/4"											
S8	1	4 <u>8</u> 4	1 <sup>5</sup> / <sub>32</sub> " × 7 <sup>1</sup> / <sub>2</sub> " × 2 <sup>1</sup> / <sub>2</sub> " × 7 <sup>3</sup> / <sub>8</sub> "	1/4"											
S9	1	C <del>∏R</del>	6½6" × 6¾6" × 1¾2"	1/4"											
S10	1	A D C	11/8" × 91/8" × 35/8" × 91/16 "	1/4"											
S11	1	c ≜	8½" × 8¾" × 1¼6 "	1/4"											

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#### SINGLE SLOPE CONNECTION PLATE

#### MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

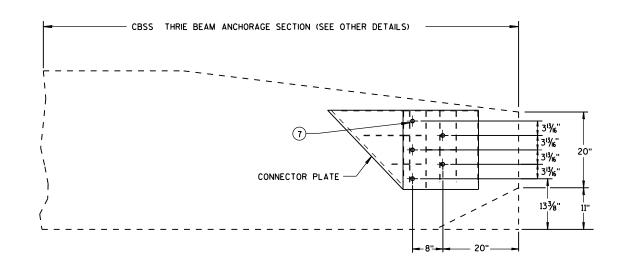
APPROVED	
2015	

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER FHWA

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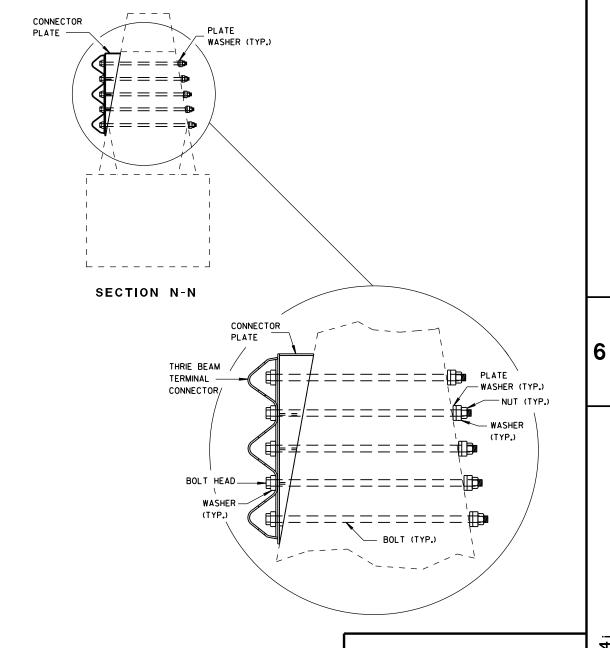


SINGLE SLOPE CONNECTION PLATE PLACEMENT

#### **GENERAL NOTES**

CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

- 2 OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
- BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X %" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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APPROVED
June, 2015 /S.

FHWA

OIS /S/ Jerry H. Zogg

ROADWAY STANDARDS DEVELOPMENT
ENGINEER

S.D.D. 14 B 4







#### BRIDGE ROAD 1)TWO-WAY **CLOSED** TYPE "A" WARNING LIGHTS REQUIRED OUTSIDE EDGE OF SHOULDER OUTSIDE EDGE OF SHOULDER OR FACE OF CURB OR FACE OF CURB **DETAIL D**

#### ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



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

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.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- 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.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

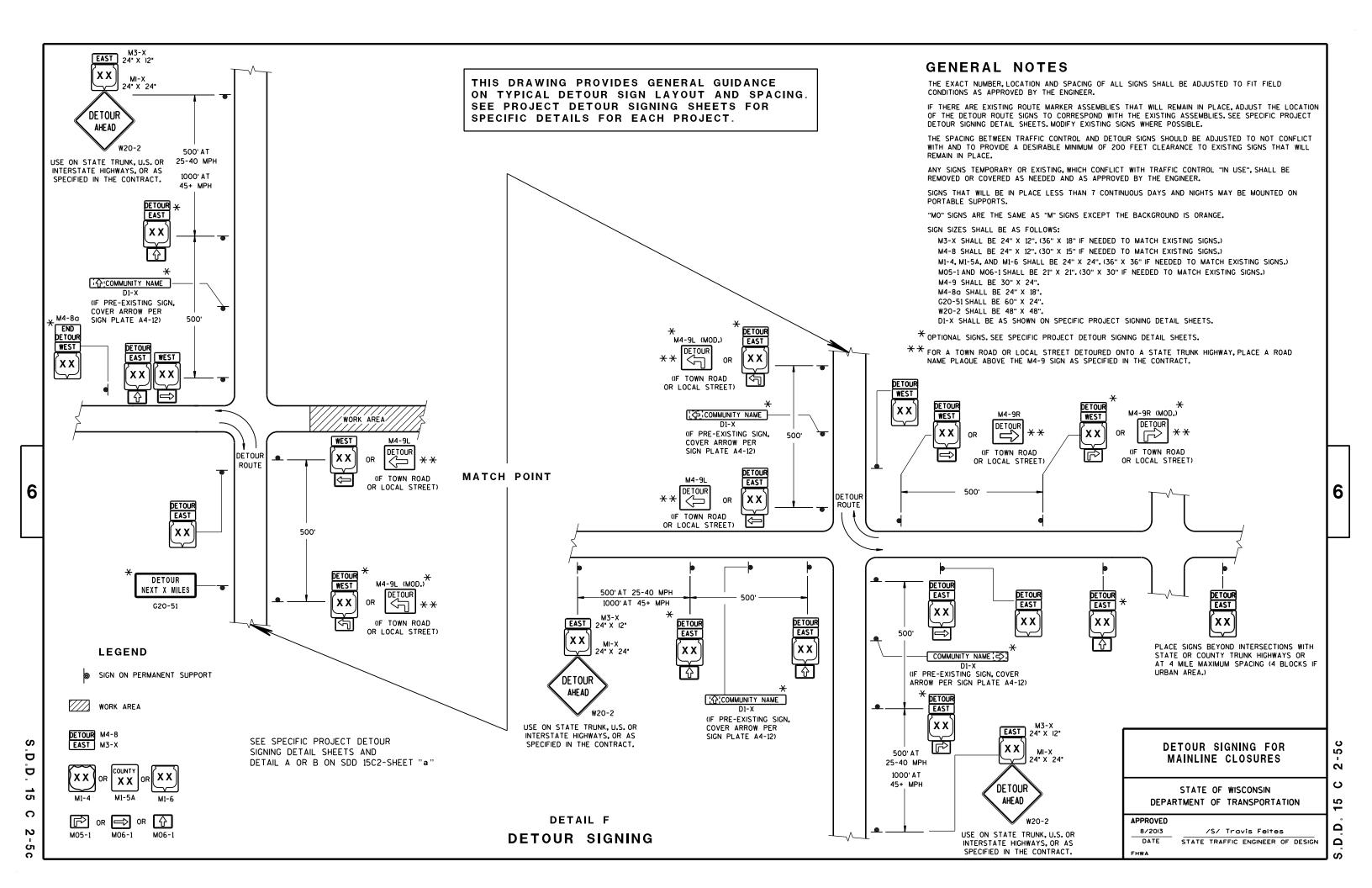
#### BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

2

Δ



#### **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.

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.

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 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
RI1-2 SHALL BE 48" X 30".
RI1-4 AND RI1-3 SHALL BE 60" X 30".

\*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

\*\*500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

#### **LEGEND**

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH
ATTACHED SIGN

(A) TYPE "A" WARNING LIGHT (FLASHING)

//// w

WORK AREA

#### BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 /S/ Travis Feltes

DATE STATE TRAFFIC ENGINEER OF DESIGN

S.D.D. 15 C 3-2

#### TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

#### GENERAL NOTES

6

S

D

D

15

C

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

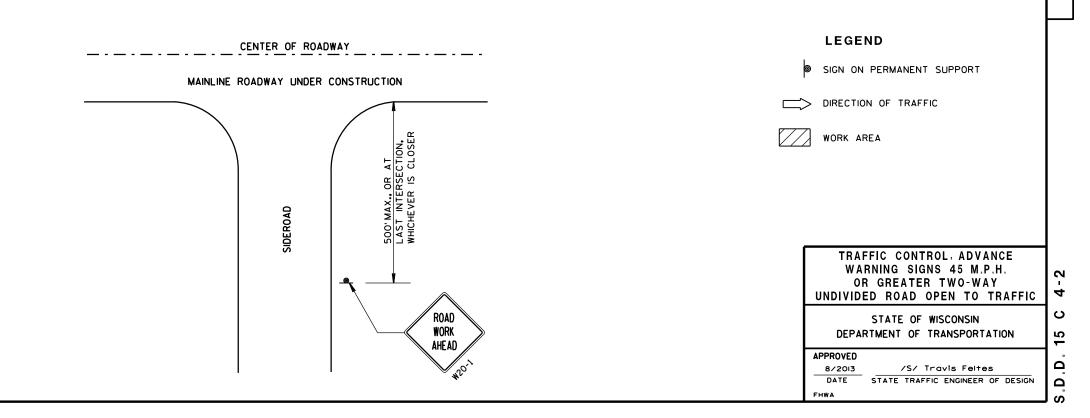
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

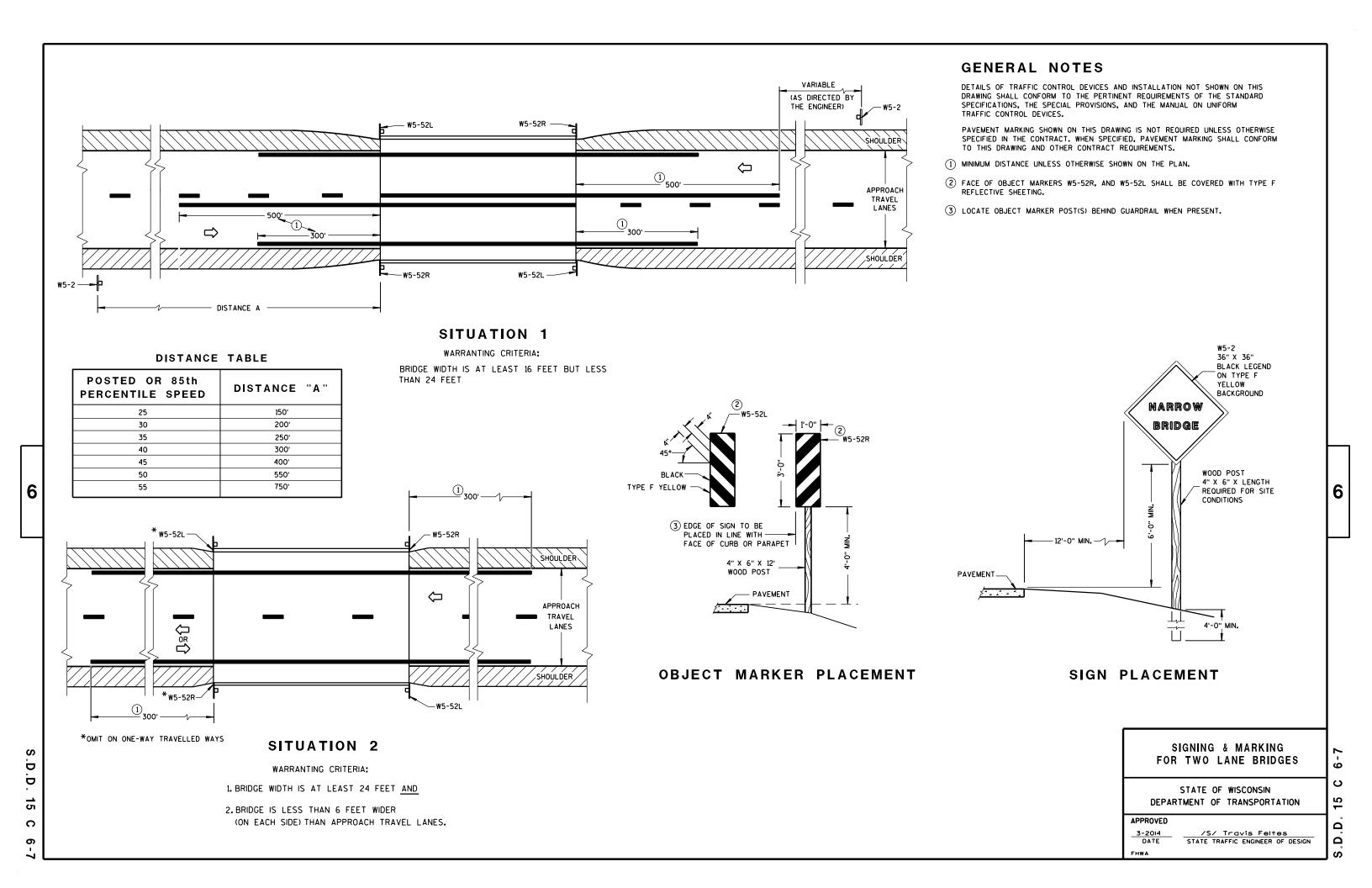
ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

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



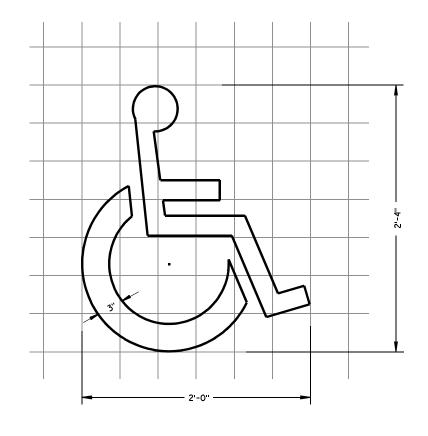


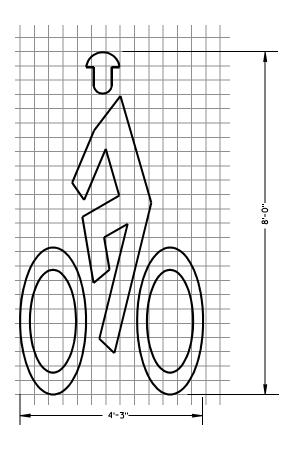
#### GENERAL NOTES

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

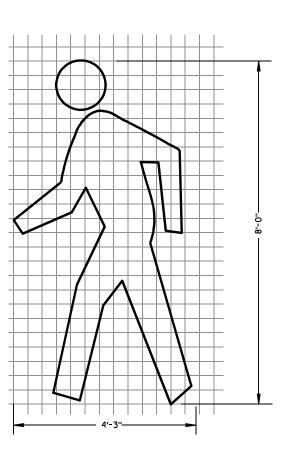
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.

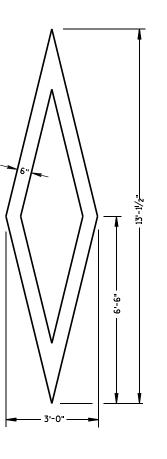




BIKE CROSSING SYMBOL



PEDESTRIAN SYMBOL



PREFERENTIAL LANE SYMBOL

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/I/II /S/ DATE STATE

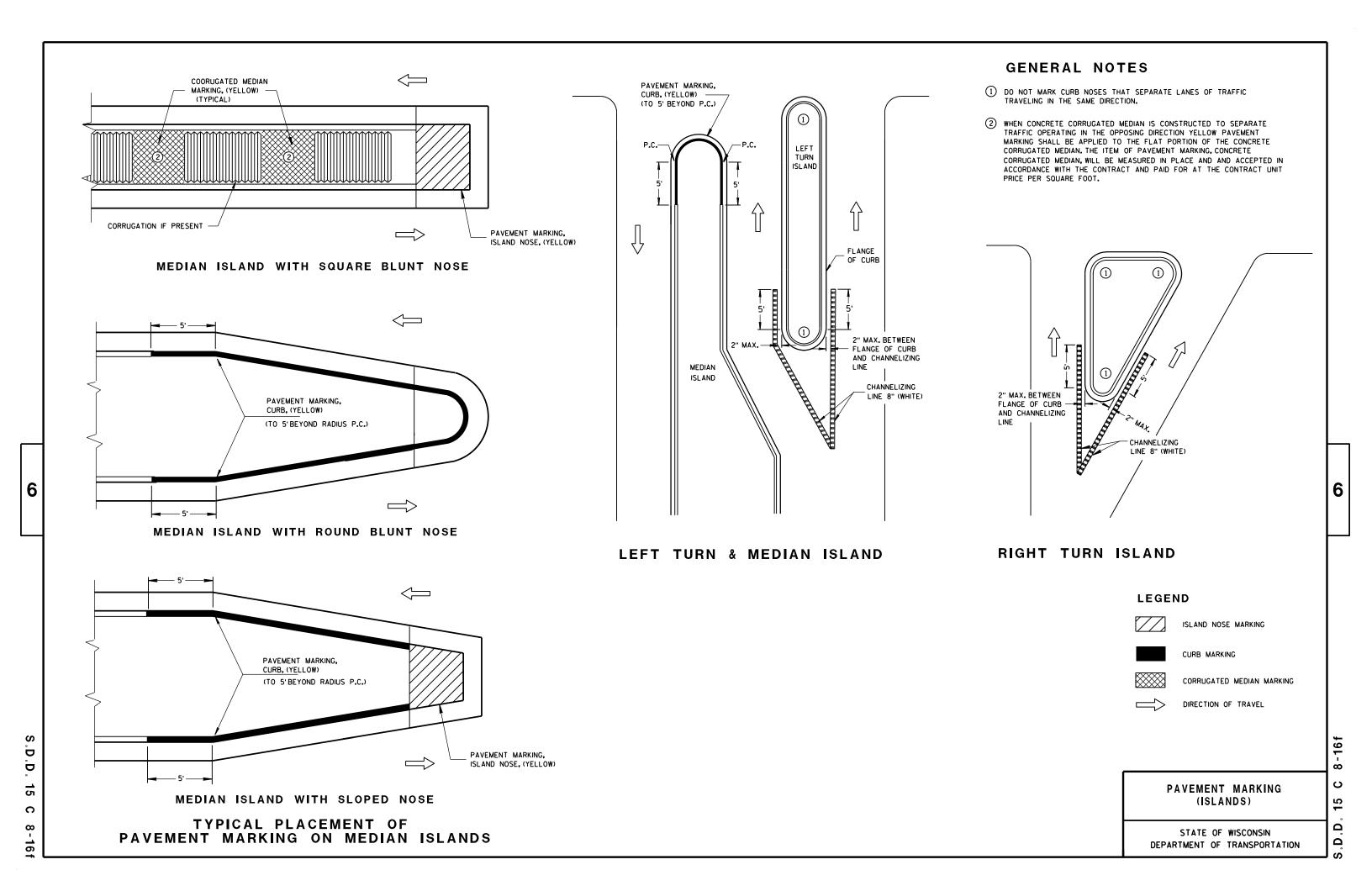
/S/ Thomas N Notbohm STATE TRAFFIC ENGINEER OF DESIGN 6

Ω

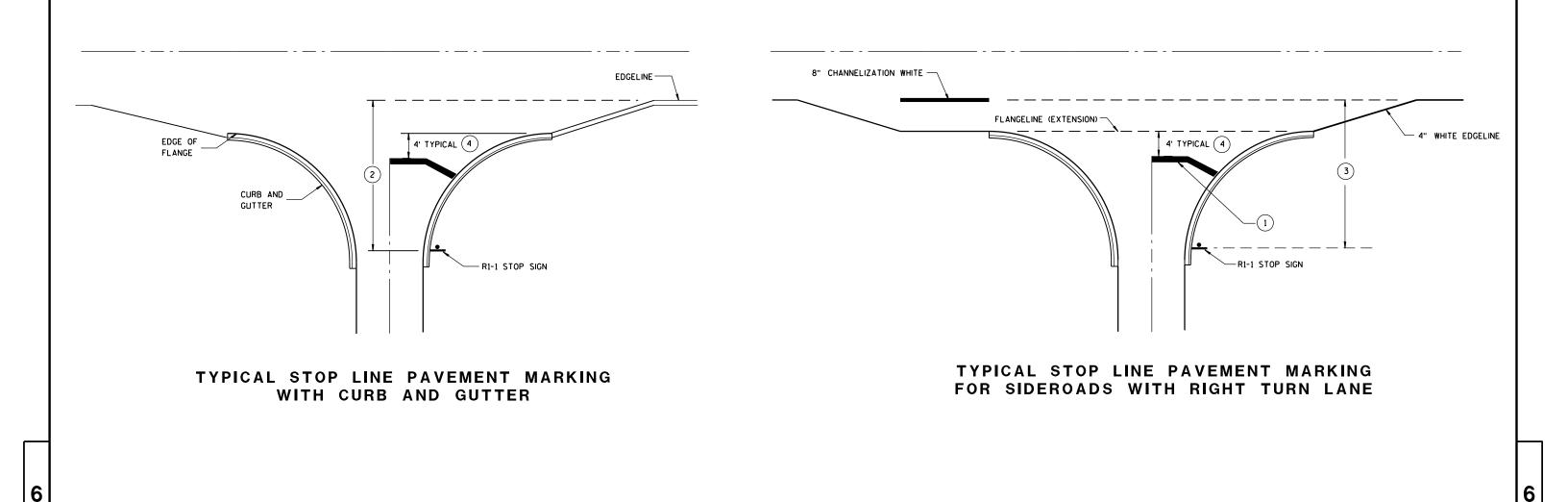
.D.D. 15 C 7-12a

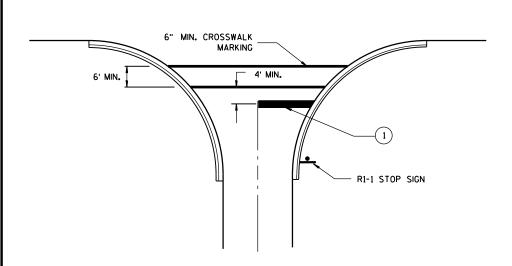




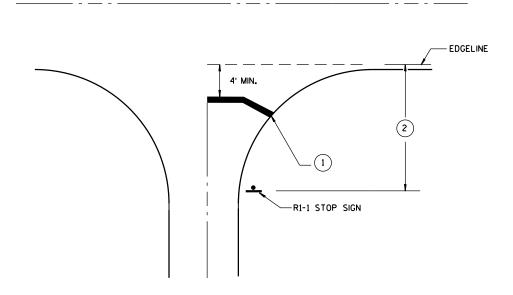








TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



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 EDGELINE 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.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

### STOP LINE AND CROSSWALK PAVEMENT MARKING

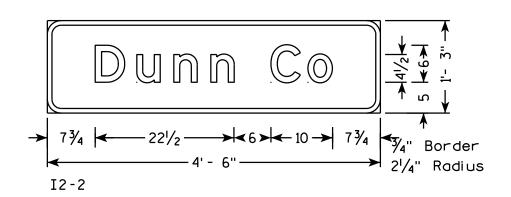
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

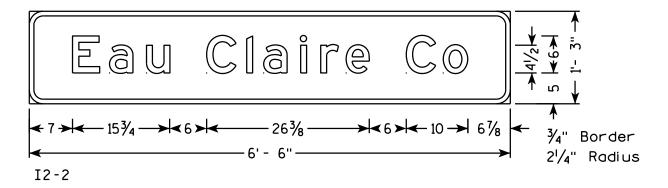
APPROVED	
4/30/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER
FHWA	

.D.D. 15 C 33-1

S.D.D.



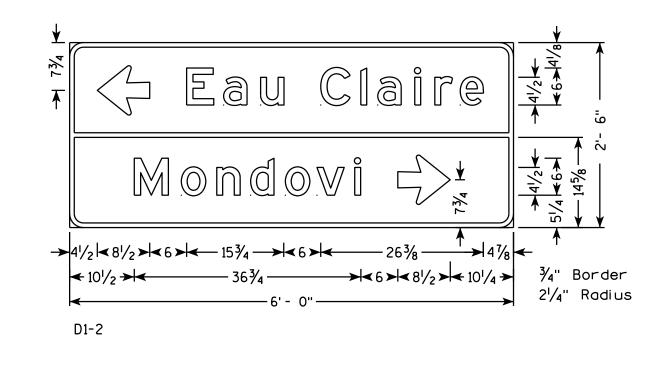




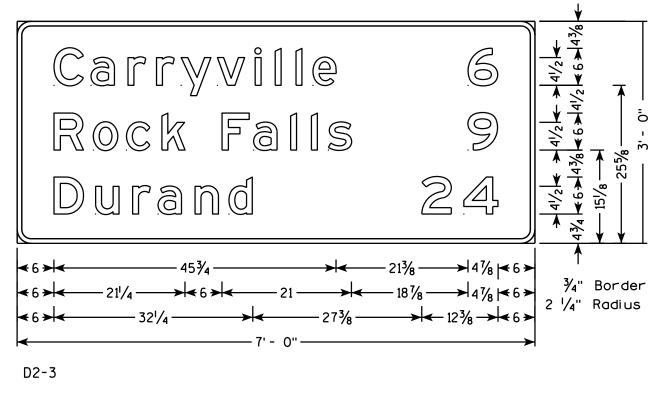
- 1. All Signs Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - GREEN Message - WHITE

3. Message Series - E



HWY: STH 85



FILE NAME : C:\CAEFiles\Projects\tr\_d6\6184AN13.dgn

PROJECT NO: 7120-07-70

PLOT DATE: 14-NOV-2013 10:07

COUNTY: EAU CLAIRE

WISDOT/CADDS SHEET 42

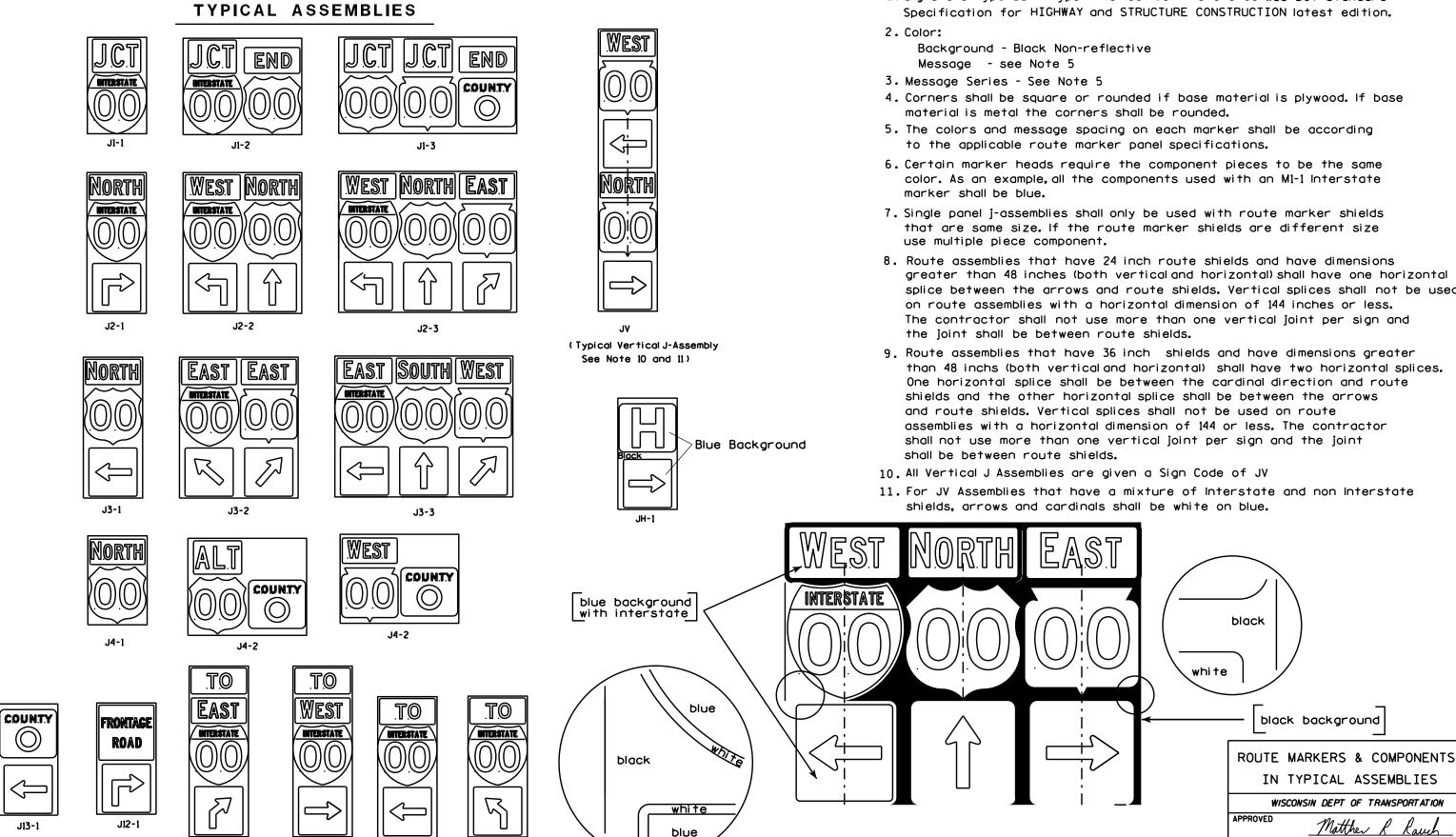
SHEET NO:

PERMANENT SIGNING

PLOT SCALE: 15.566735:1.000000

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard

areater 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.



PROJECT NO:

J32-1

J22-1

J23-1

J33-1

PLOT BY: mscsja

PLATE NO. \_\_A2-15.8

DATE 2/06/14

SHEET NO:

### URBAN ARFA



RURAL AREA (See Note 2)



2' Min - 4' Max (See Note 6)



5'-3"(生) A POLICE AND A POL  $D^{-1}$ Outside Edae of Gravel

White Edgeline Location

\*\* 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.

HWY:

\* 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.

PLOT BY : mscj9h

#### 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  $7'-3''(\pm)$  or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is  $7'-3''(\pm)$  or  $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is  $5' - 3'' (\pm)$ .
- 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'' ( $\pm$ ) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3"  $(\pm)$ . 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'' ( $\pm$ ).

#### POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 7/23/15

PLATE NO. <u>A4-3.20</u>

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A43.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:21

COUNTY:

PLOT NAME :

PLOT SCALE: 99.237937:1.000000



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



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

HWY:



#### PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

#### 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.

#### URBAN AREA RURAL AREA (See Note 3) 2'Min - 4'Max (See Note 6) ₩E# FF# 6'-3"(±) 6'-3"(±) 7'-3"(±) \*\* Curb \*\*\*\*\ Flowline D **7000** White Edgeline D 11 White Edgeline, Location Outside Edae Location

## 2' Min - 4' Max (See Note 6) 6'-3"(±) Curb Flowline. -11

48" DIAMOND WARNING SIGN

HWY:

## \_ 26" 5 ' - 3 "(±) White Edgeline Location Outside Edge of Gravel 48" DIAMOND WARNING SIGN

COUNTY:

Outside Edge

of Gravel

	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRED		
	L	E	
<del>* * *</del>	Greater than 48" Less than 60"	12"	
	60" to 120"	L/5	l

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

of Gravel

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

Matther

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:23

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

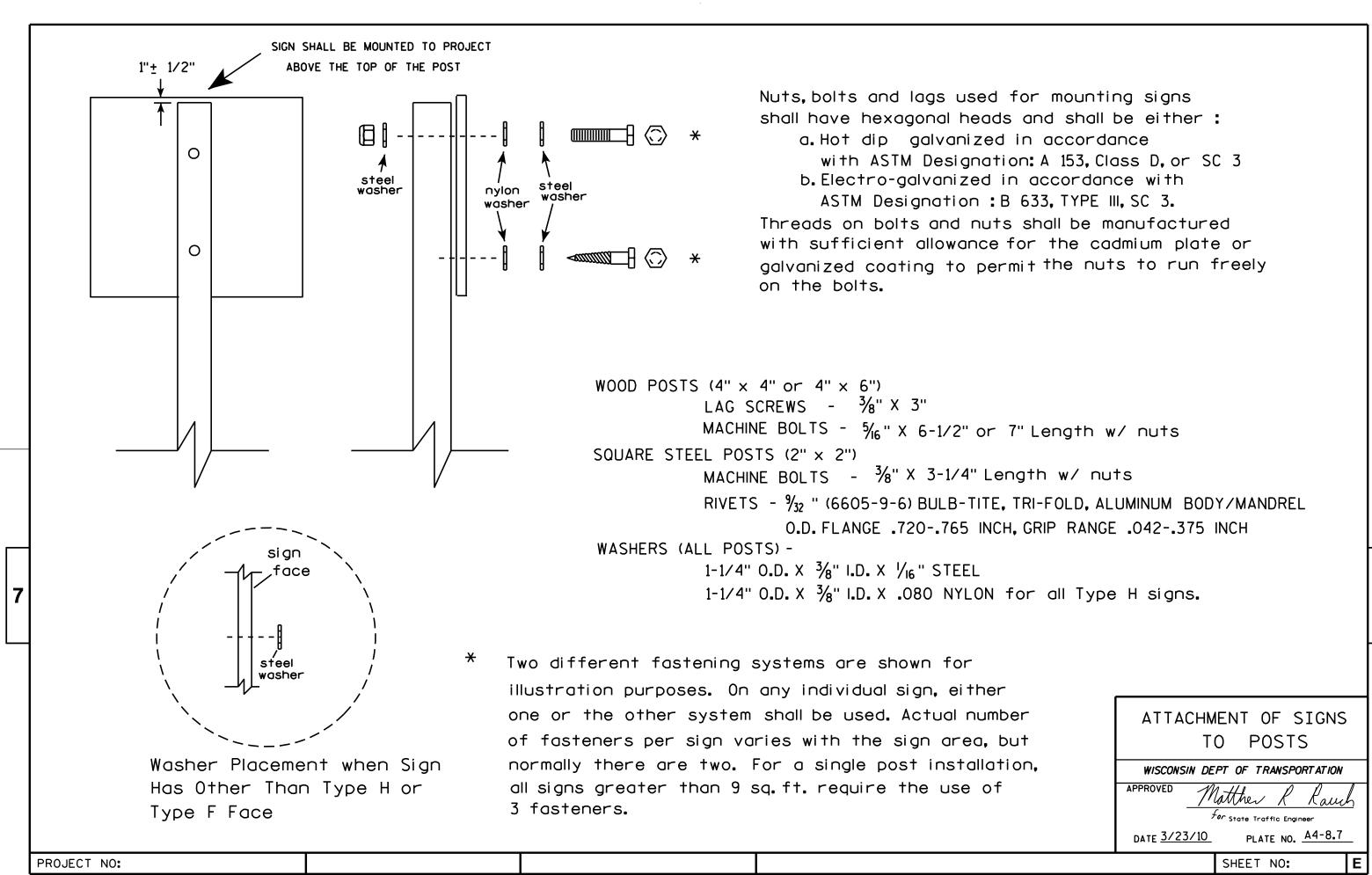
PLOT NAME :

PLOT BY: mscj9h

WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

PLATE NO. 44-4.14 DATE 7/23/15





PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer



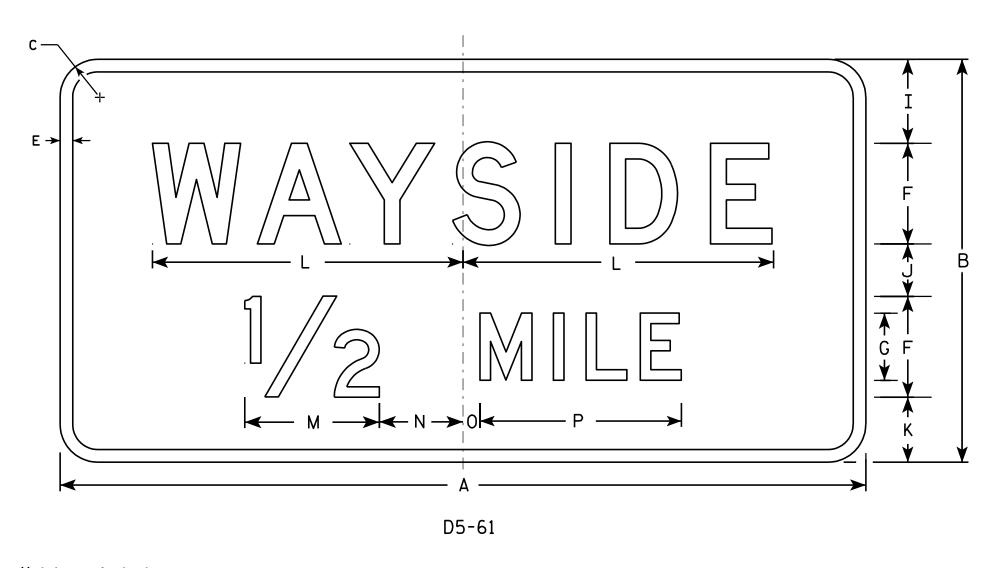


- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Originator : Don Kluever

Background - Blue Message - White

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Metric equivalent for this sign is:

1200 mm X 600 mm 1950 mm X 1050 mm 5

- 1	SIZE	A	В	C	D	Ł	F	G	н	I	J	K	L	M	N	0	Р	Q	R	S	T	U	V	W	Х	Y	4		
<i>'0</i>	1																												
	2	48	24	2 1/4		₹4	6	4	6	5	3 1/8	3 %	18 1/2	8	5	1	12											8.0	0.72
5,6,	3																												
2.3.	4	78	42	3		1	10	7	10 1/2	8 ¾	5 ¾	7	30 1/8	14	8 3/4	1 3/4	21											22.8	2.05
· NO	5																												

STANDARD SIGN D5-61

WISCONSIN DEPT OF TRANSPORTATION

DATE 1/09/02

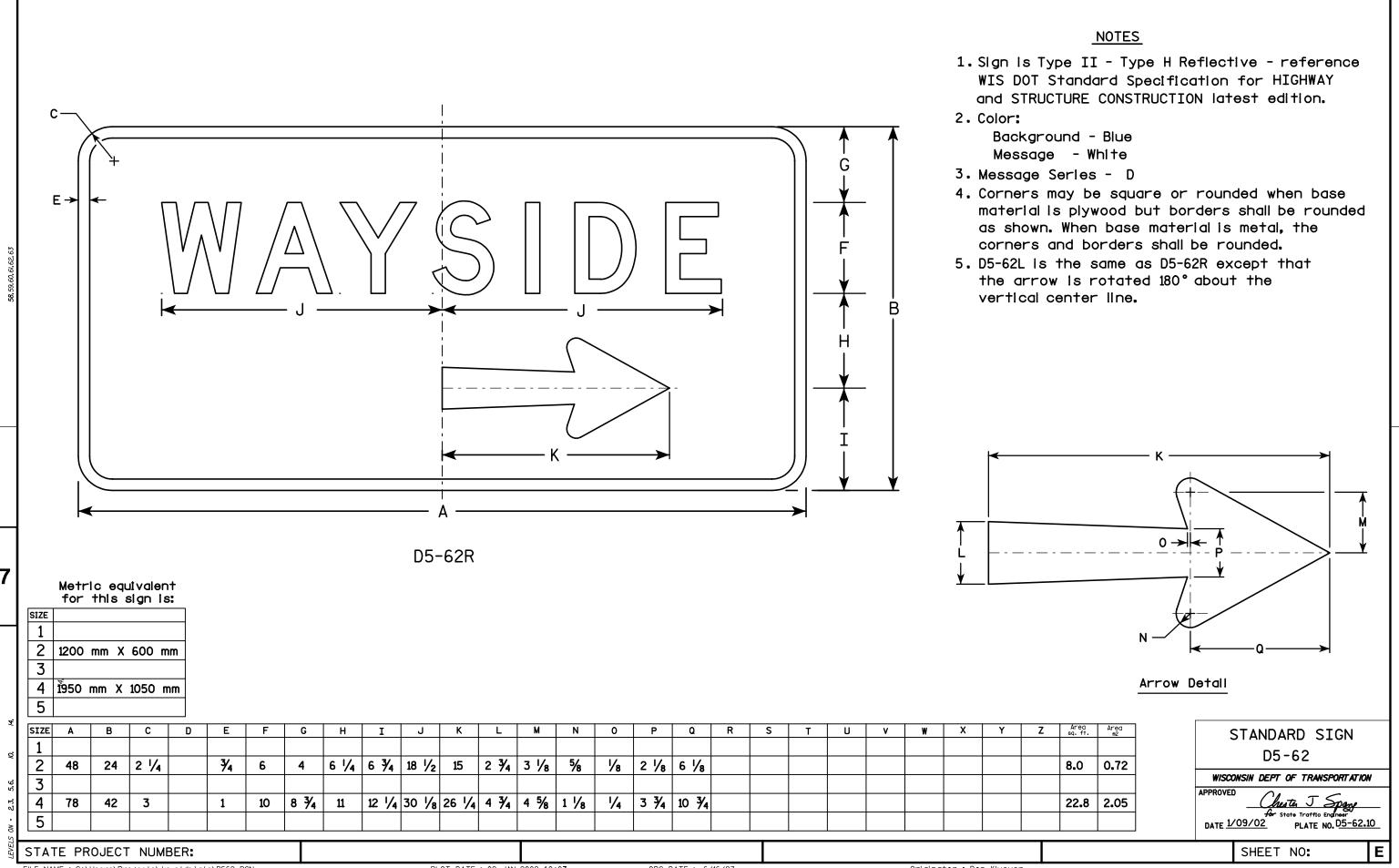
Chester J Spans

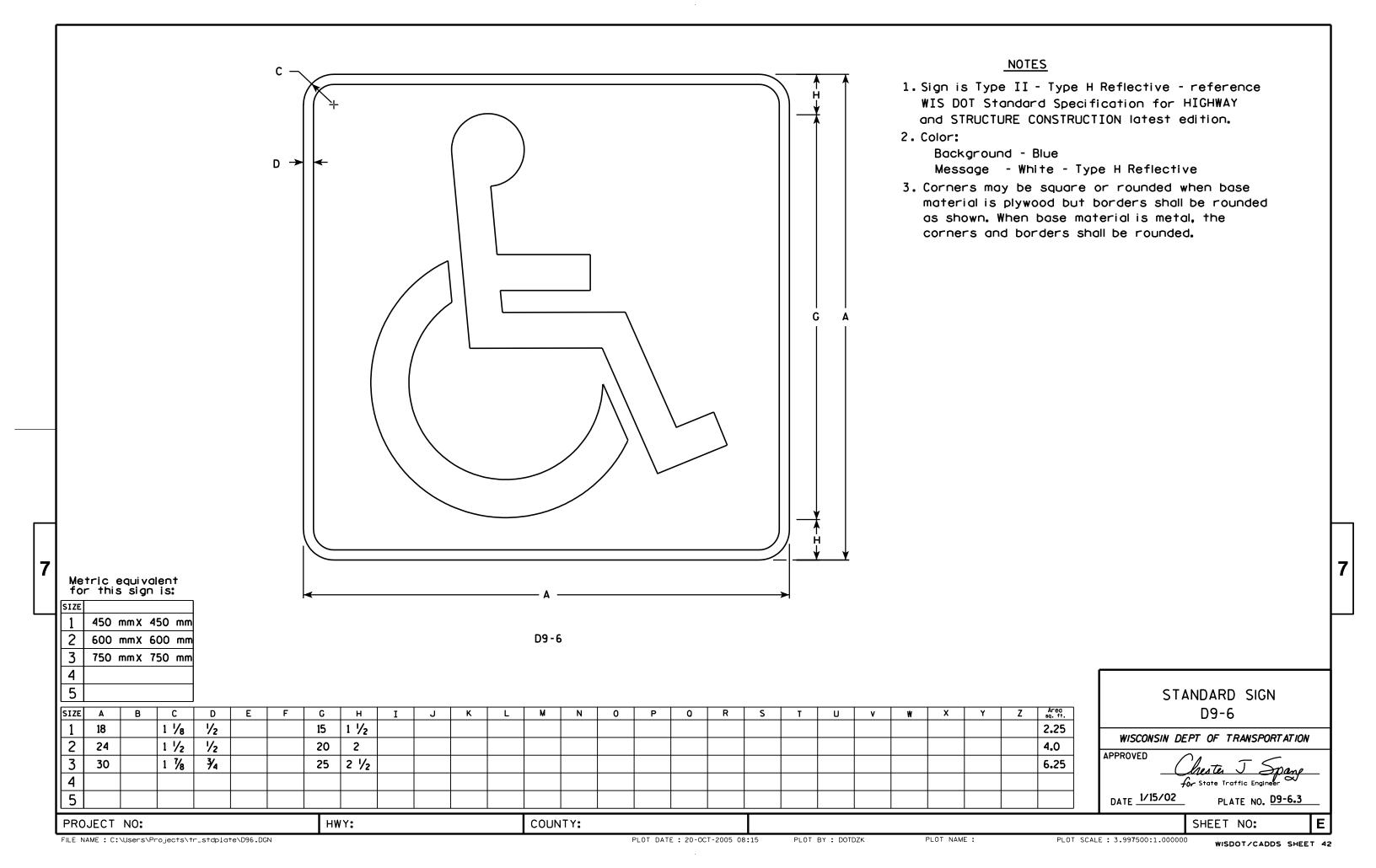
For State Traffic Engineer

PLATE NO. D5-61.9

SHEET NO:

STATE PROJECT NUMBER:

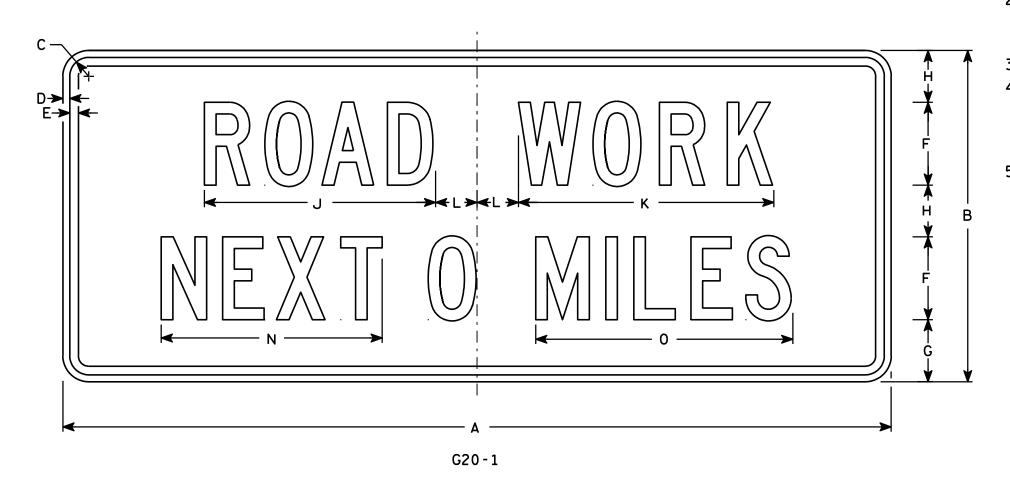




- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance



7

Metric equivalent for this sign is:

SIZE					
1					
2	1500	mm	X	600	mr
3					
4	1500	mm	X	600	mr
5					

PROJECT NO:

SIZE	Α	В	_ C _	D	Ε	F	G	Н	I	J	K	L	M	Z	0	Р	0	R	S	T	U	٧	₩	Х	Y	Z	Area sq. ft.	Area m2
1																												
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 ¾	18 1/2	3		16	18 %												10	.90
3																												
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 ¾	18 ½	3		16	18 %												10	.90
5																												

COUNTY:

STANDARD SIGN G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chests J Spane

Ar State Traffic Engineer

DATE 4/8/97 PLATE NO. 620-1.7

DATE 47 07 31

SHEET NO:

HWY:

PLOT NAME :

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Metric equivalent for this sign is:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 1/8	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED 400 110 00 00 110

for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\G202A.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY : ditjph

PLOT NAME :

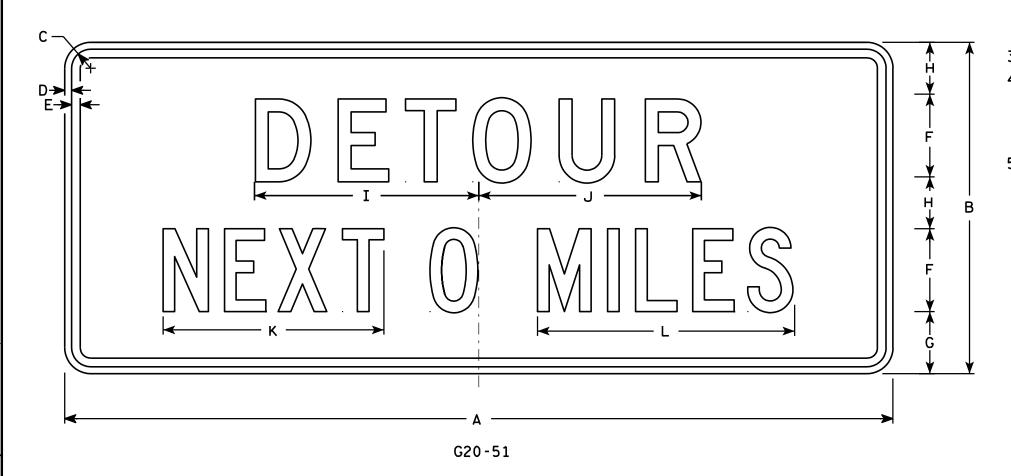
PLOT SCALE : 5.561773:1.000000

5.561773:1.000000 WISDOT/CADDS SHEET 42

- 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 Line 1 is D and Line 2 is 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 and optically adjust spacing to achieve proper balance



Metric equivalent for this sign is:

PROJECT NO:

1 2 1500 mm x 600 mm 3 4 1500 mm x 600 mm 5

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	ared sq. ft.	m2
1																												
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 %															10	.90
3																												
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 %															10	.90
5																												
5			- 70	, <u>.</u>	,,,		, .			70		70																

COUNTY:

STANDARD SIGN G20-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch For State Traffic Engineer

DATE 12/20/02

PLATE NO. G20-51.1

SHEET NO:

FILE NAME : C:\Users\Projects\tr\_stdplate\G2051.DGN

HWY:

PLOT DATE: 12-OCT-2005 17:06

PLOT BY : DITJPH

PLOT SCALE : 4

PLOT NAME :

PLOT SCALE: 6.954303:1.000000

# 

HWY:

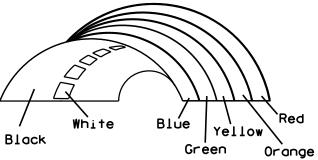
Background Colors of Symbol\*

Z F Z

A F X A

**₽** 4

\* VARIES



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

#### 

COUNTY:

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.

STANDARD SIGN I55-56

For State Traffic Engineer

DATE 4/27/11 PLATE NO. 15!

ATE 4/27/11 PLATE NO. 155-56.3

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\I5556.DGN

PROJECT NO:

PLOT DATE: 27-APR-2011 10:05

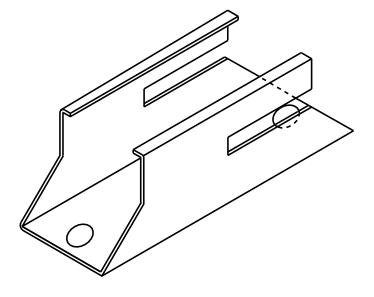
PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 7.945391:1.000000

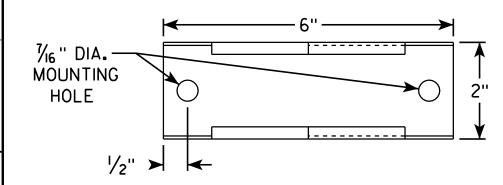
945391:1.000000 WISDOT/CADDS SHEET 42

#### ISOMETRIC VIEW

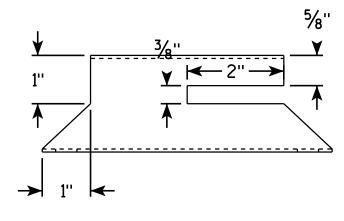


#### TOP VIEW

HWY:



#### SIDE VIEW

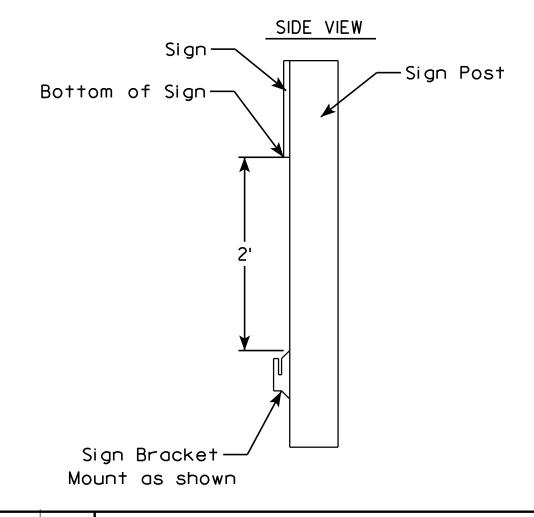


**←** 2" →

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  $\frac{1}{8}$ " radii.
- 5. Shall not have unrounded and uncoated metaledges which can contact the back surface of the roll-up sign.
- 6. Top of bracket shall be mounted 2' below the bottom of the 155-56 sign.
- 7. Cost of bracket and fastening hardware shall be incidental to the 155-56 sign.



ROLLUP SIGN BRACKET I55-56B

WISCONSIN DEPT OF TRANSPORTATION APPROVED

for State Traffic Engineer DATE 2/5/10 PLATE NO. 155-56B.1

SHEET NO:

COUNTY:

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 1.986348:1.000000

PROJECT NO:

- 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

BLACK	<b>↑</b>
Metric equivalent for this sign is:	

HWY:

SIZE 600 mm X 600 mm 900 mm X 900 mm 900 mm X 900 mm 900 mm X 900 mm

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	T	U	٧	W	Х	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 %	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0	<b>.</b> 36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5	12 %	17 1/8	1 1/2	2 1/8	16 1/8	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 1/8	16 %	33											9.0	<b>.</b> 81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	<b>.</b> 81
$\equiv$																												

COUNTY:

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 3/20/02 PLATE NO. M1-6.9

SHEET NO:

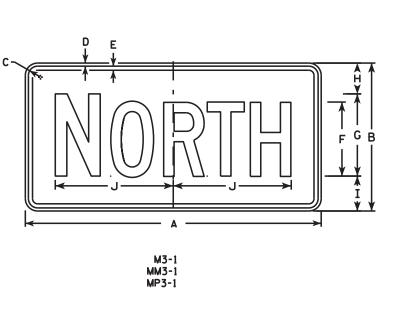
FILE NAME : C:\Users\Projects\tr\_stdplate\M16.DGN

PLOT DATE: 13-OCT-2005 14:55

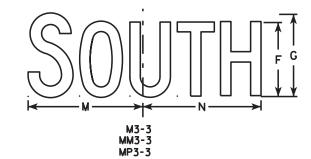
PLOT BY : DITJPH

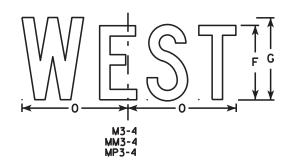
PLOT NAME :

PLOT SCALE : 6.715871:1.000000

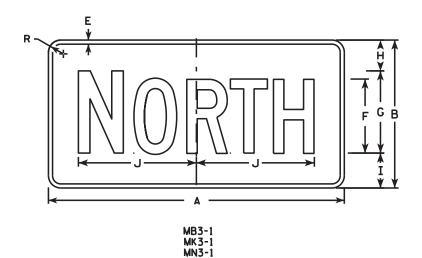


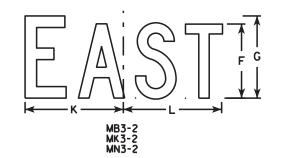
M3-2 MM3-2 MP3-2

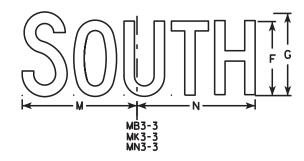


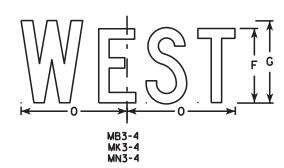


HWY:









#### 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	Α		В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Areo sq. ft.
1																												
2	24	1	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 ¾			1 1/2									2.00
3	36	5	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	<u> </u>	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	5	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

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 **SERIES** 

WISCONSIN DEPT OF TRANSPORTATION

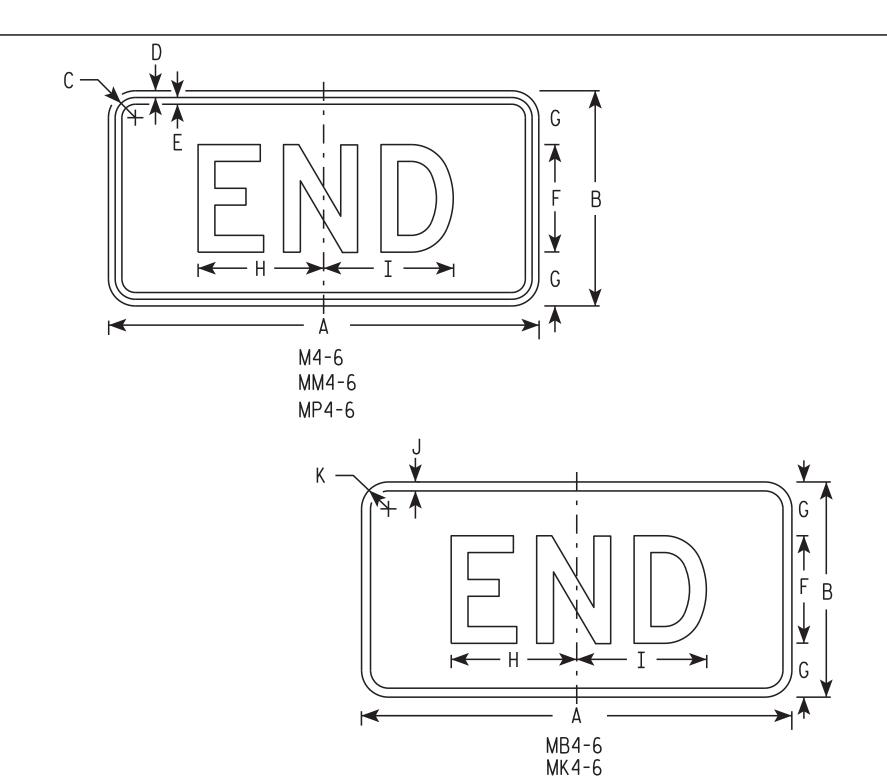
APPROVED

PLATE NO. M3-1.14

DATE 10/15/15

SHEET NO:

PROJECT NO:



- 1. Sign is Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

- 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. M4-6 Background White

Message - Black

MB4-6 Background - Blue

Message - White

MK4-6 Background - Green

Message - White

MM4-6 Background - White

Message - Green

MN4-6 Background - Brown

Message - White

MP4-6 Background - White

Message - Blue

MR4-6 Background - Brown

Message - Yellow

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	₩	Х	Y	Z	Areg sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5

COUNTY:

MN4-6 MR4-6

STANDARD SIGN M4-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

DATE 10/15/15

5 PLATE NO. M4-7.9
SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplote\M46.DGN

HWY:

PROJECT NO:

PLOT DATE : 15-0CT-2015 13:08

PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

PLOT SCALE: 8.528262:1.000000

- 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.

D E V	G	<b>→</b> 2
	F	B
✓ A M4 - 8		

С D E F G H I J 0 Q S X 3/8 3/8 10 10 1/4 24 1 1/8 2.0 3 36 3/8 4 1/2 14 5/8 14 1/2 4.5 1 1/8 1/2 4 5

COUNTY:

STANDARD SIGN M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

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

SHEET NO: 109

PROJECT NO:

HWY:

PLOT NAME :

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.

 $D \longrightarrow$ Н M4-8A

SIZ	Έ	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	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	- 1	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																												
5																												

COUNTY:

STANDARD SIGN M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther

For State Traffic Engineer

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

SHEET NO: 110

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\M48A.DGN

PROJECT NO:

HWY:

PLOT DATE: 09-MAR-2011 10:29

PLOT BY : mscj9h

PLOT NAME :

PLOT SCALE: 3.972696:1.000000



- 1. Signs are Type II Type H reflective except as shown
- 2. Color:

Background - See note 4
Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M5-1 and M5-2 Background White Message Black

MB5-1 and MB5-2 Background - Blue

Message - White

MK5-1 and MK5-2 Background - Green

Message - White

MM5-1 and MM5-2 Background - White

Message - Green

MN5-1 and MN5-2 Background - Brown

Message - White

M05-1 and M05-2 Background - Orange - Type F Reflective Message - Black

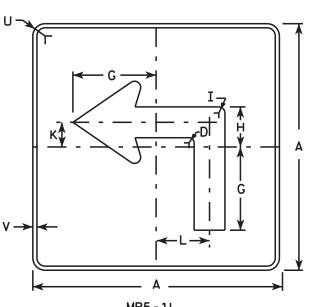
MP5-1 and MP5-2 Background - White - Type H Reflective Message - Blue

MR5-1 and MR5-2 Background - Brown

Message - Yellow

- 5. M5-1R same as M5-1L except arrow points right.
- 6. M5-2R same as M5-2L except arrow tilts right.

	c —
I 7 A A A C C C C C C C C C C C C C C C C	
	Α —
	M5-2L MM5-2L MO5-2L



M5-1L MM5-1L

MO5-1L

MP5-1L

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

MR5-1L

HWY:

V — MB5-2L

MP5-2L

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

R	
Ţ /	
→ E	\$ \_\dagger
N → I	

SIZE	A	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areg sq. ft,
1 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 %	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 1/8	<b>7</b> /8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 ½		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 1/8	<b>1</b> / <sub>8</sub>		3	6 1/2	9 1/8	7 1/2	7 1/4	3 ½		3/4	3 3/4	4 1/4	1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 1/8	<b>½</b>		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 1/8	1/2					6.25

COUNTY:

STANDARD SIGN

M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

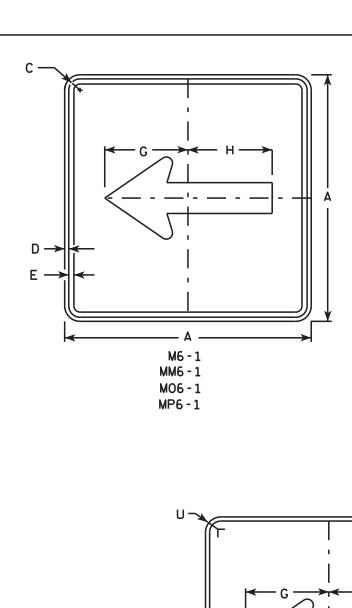
APPROVED

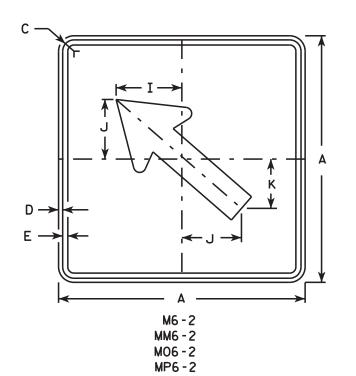
For State Traffic Engineer

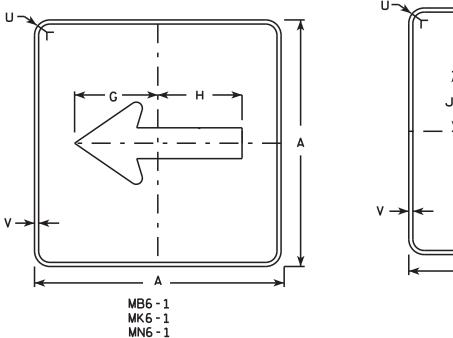
0/15/15 PLATE NO. M5-1-13

DATE 10/15/15

SHEET NO:

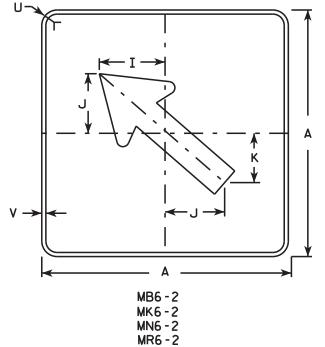






MR6-1

HWY:



#### NOTES

- 1. Signs are Type II Type H except as Shown
- 2. Color:

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-1 and M6-2 Background White

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

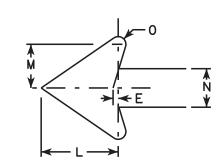
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	M	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Areg sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 %	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 ¾	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 %	1/2					6.25
4	30		1 3/8	1/2	5/8		10 ¾	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 %	1/2					6.25
5	30		1 3/8	1/2	5/8		10 ¾	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 %	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

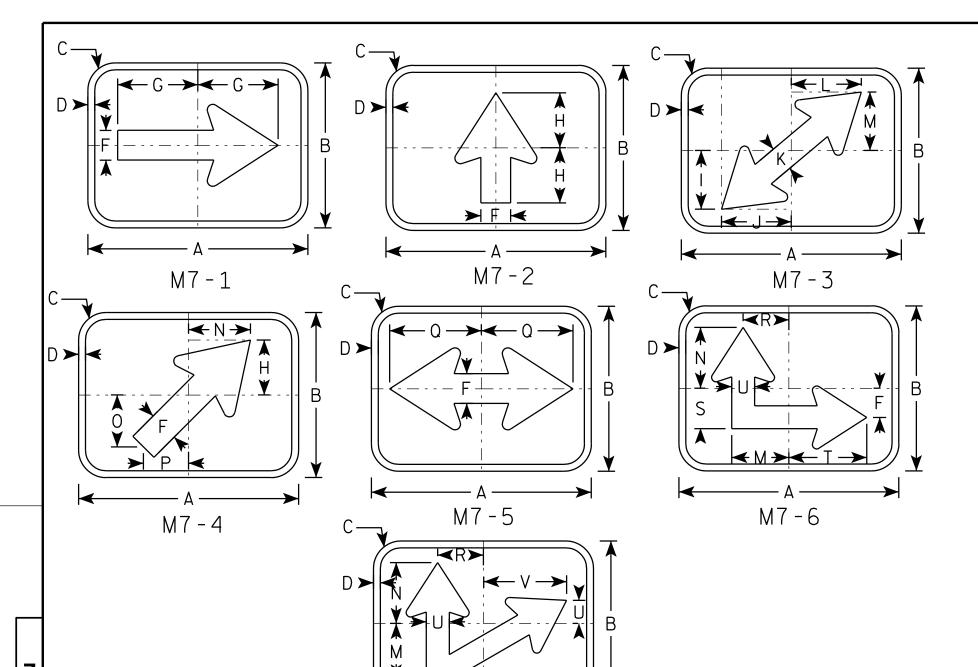
APPROVED

Matther R Rauch

DATE 10/15/15 PLATE NO. M6-1.15

SHEET NO:

PLOT SCALE : 18.607113:1.000000



M7 - 7

HWY:

#### NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Green Message -White

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	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	12	9	11/2	3/8		1 5/8	4 3/8	3	3 1/4	3 3/4	1 3/8	3 %	3 1/8	3 %	2 1/8	2 1/2	5	2 1/2	2 1/4	4 1/4	1 1/4	4 1/2					.75
3																											
4																											
5																											

COUNTY:

STANDARD SIGN M7 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVE

DATE 05/04/10 PLATE NO. M7-1.1

SHEET NO:

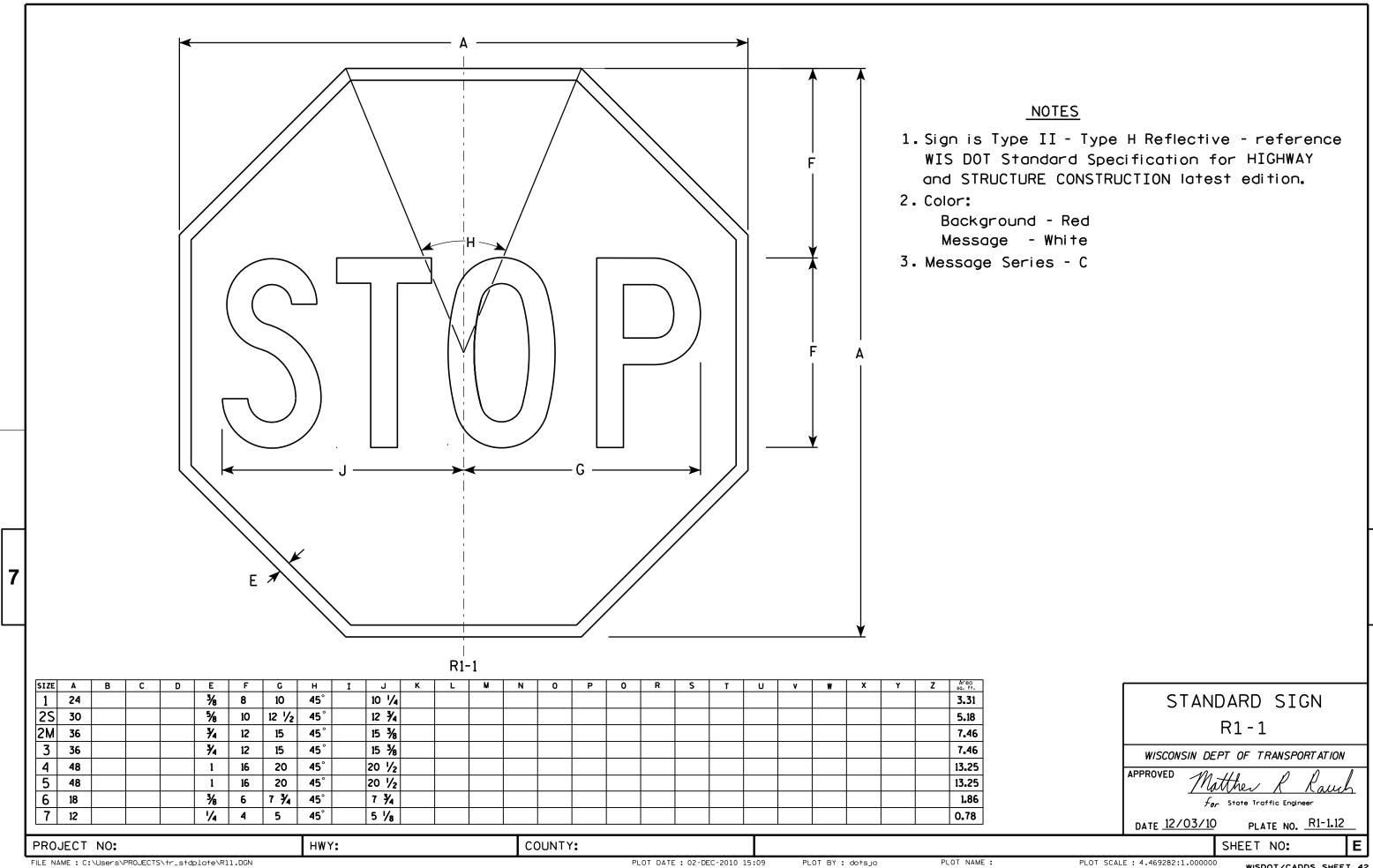
PLOT DATE: 28-MAY-2010 08:14

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.237442:1.000000

WISDOT/CADDS SHEET 42





#### <u>NOTES</u>

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Modify the message as required.





R	1	1	-	2	L

PLOT NAME :

SIZ	Έ	A	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1																												
2	S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
21	<b>I</b>	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0
3		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0

COUNTY:

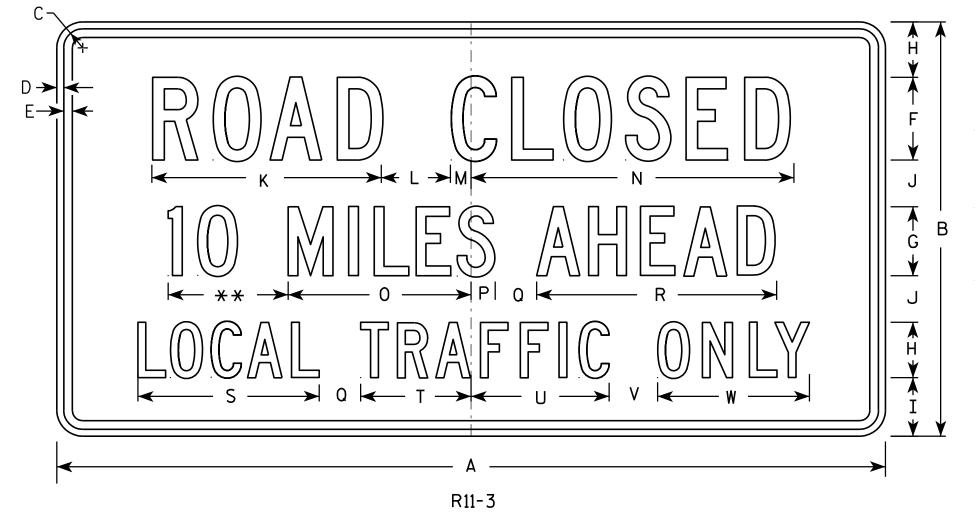
STANDARD SIGN R11-2

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-2.10

SHEET NO:

HWY:



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

\*\* See Note 5

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	Z	0	Р	0	R	S	T	U	v	W	X	Y	Z	Areg
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 ¾	8 %	4 3/4	6 1/2	2	6 ¾				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				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				12.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch

DATE 4/1/11 PLATE NO. R11-3.6

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R113.DGN

HWY:

PROJECT NO:

PLOT DATE: 01-APR-2011 14:20

PLOT NAME :

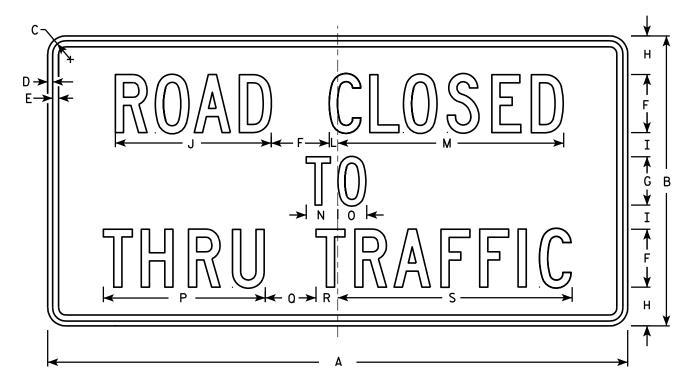
PLOT BY: mscj9h

PLOT SCALE: 6.952216:1.000000

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R11-4

SIZE	Α	В	С	D	E	F	G	Η	I	J	K	L	М	Z	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		<b>7</b> /8	23 ¾	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7∕8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-4.3

SHEET NO:

PROJECT NO: FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R114.DGN HWY:

PLOT DATE: 01-APR-2011 14:11

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 9.931739:1.000000



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series B
- 4. 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.

11/2 3∕8 3/8 11/2 2 1/8 6 7/8 18 2 2 7 1/4 2.25 4 2M 11/2 1 1/2 2 1/8 6 7/8 2.25 3 4 HWY:

COUNTY:

STANDARD SIGN R55-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer PLATE NO. R55-51.5

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R5551.DGN

PROJECT NO:

PLOT DATE: 30-MAR-2011 14:15

PLOT BY: mscj9h

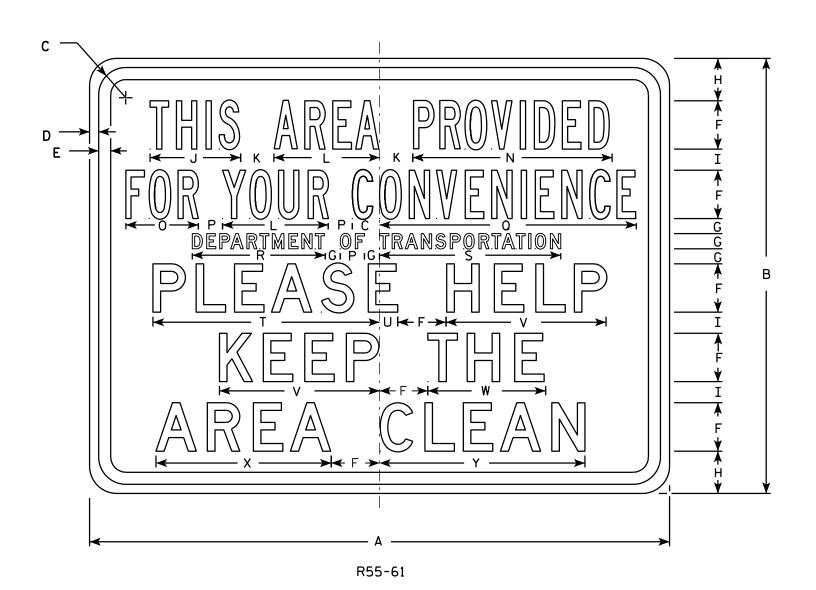
PLOT NAME :

PLOT SCALE: 3.476110:1.000000

- 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. Lines 1 and 2 are Series B. Lines 3, 4, 5 and 6 are Series D.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1	24	18	1 1/8	3⁄8	1/2	2	5/8	1 3/4	%	3 3/4	1 3/8	4 3/8		8 1/4	3	1	10 %	5 ½	7 1/2	9 3/8	3/4	6 %	4 %	7 1/4	8 1/2		3.0
2S	24	18	1 1/8	3/8	1/2	2	5/8	1 3/4	<b>1</b> /8	3 3/4	1 3/8	4 3/8		8 1/4	3	1	10 %	5 1/2	7 1/2	9 3/8	3/4	6 %	4 1/8	7 1/4	8 1/2		3.0
2M	24	18	1 1/8	3/8	1/2	2	5/8	1 3/4	<b>7/8</b>	3 3/4	1 3/8	4 3/8		8 1/4	3	1	10 %	5 1/2	7 1/2	9 3/8	3/4	6 %	4 1/8	7 1/4	8 1/2		3.0
3																											
4																											
5																											

R55-61 WISCONSIN DEPT OF TRANSPORTATION

STANDARD SIGN

APPROVED

DATE 3/30/11 PLATE NO. R55-61.6

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R5561.DGN

PROJECT NO:

HWY:

COUNTY:

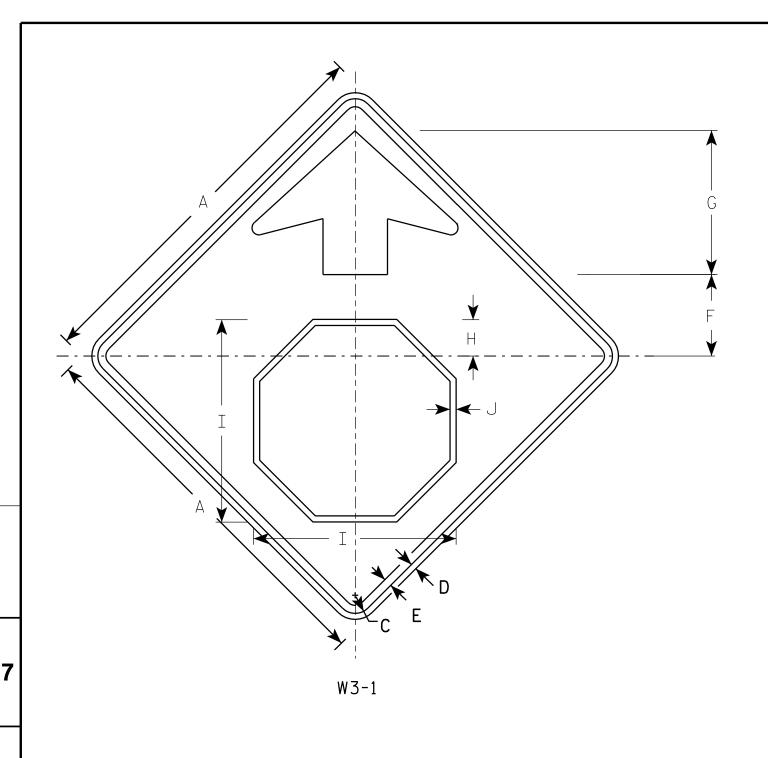
PLOT BY: mscj9h

PLOT SCALE: 3.972696:1.000000

WISDOT/CADDS SHEET 42

PLOT DATE: 30-MAR-2011 13:43

PLOT NAME :

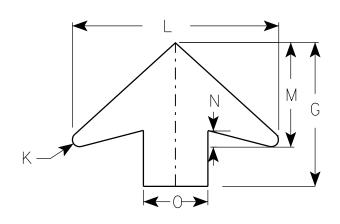


- 1. All Signs Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - YELLOW

Arrow & Border - BLACK

Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW	DFTAII
$\neg \cdots $	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areo sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 1/8	15 ¾	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 1/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
2M	36		1 1/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
4	48		2 1/4	3/4	1	10	17 1/8	4 1/2	25 1/8	3/4	<b>7</b> ⁄8	25 %	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 1/8	4 1/2	25 1/8	₹4	<b>7</b> /8	25 %	13	2	8												16.0

STANDARD SIGN W3-1

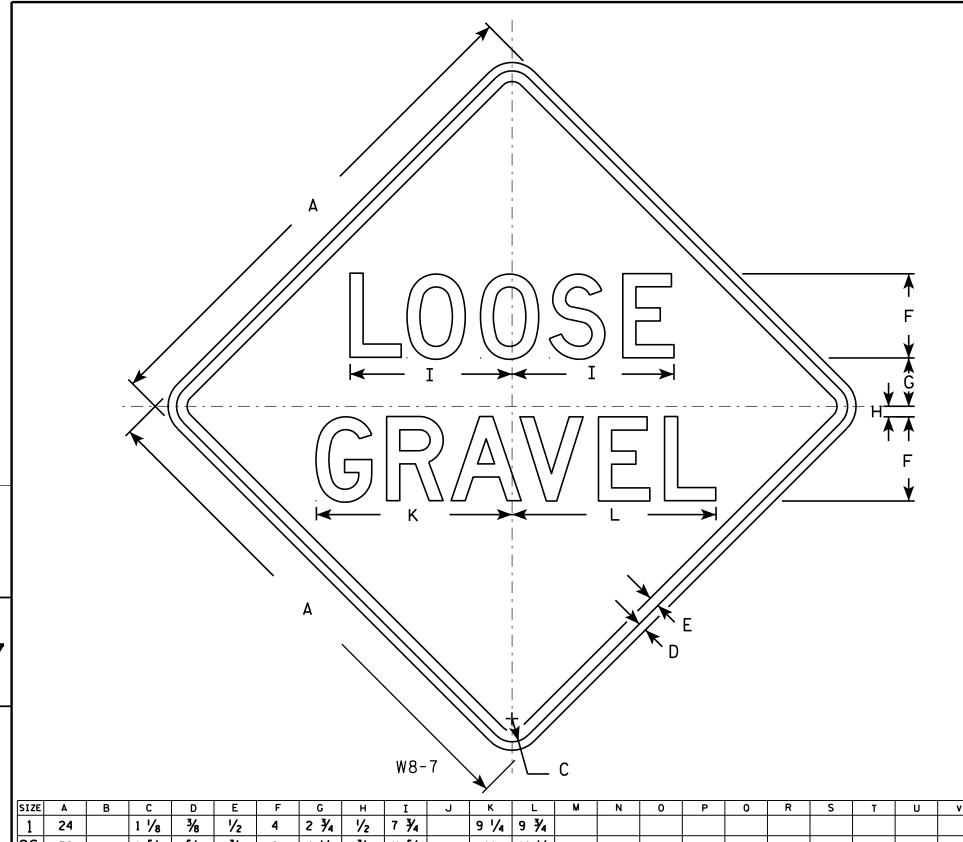
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

SHEET NO:



- 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.

Areg sq. ft. 4.0 2S 1 5/8 3/4 4 1/8 <del>3</del>/<sub>4</sub> 11 5/<sub>8</sub> 5/8 36 14 14 1/2 9.0 2M 1 5/8 3/4 4 1/8 <del>3</del>/<sub>4</sub> 11 5/<sub>8</sub> 5/8 36 14 1/2 9.0 3 36 1 1/8 5/8 3/4 4 1/8 3/<sub>4</sub> | 11 5/<sub>8</sub> 14 1/2 9.0 14 ₹4 4 1 % 5/8 4 1/8 3/<sub>4</sub> | 11 5/<sub>8</sub> 14 1/2 36 14 9.0 5 5 1/2 18 % 19 % 3/4 48 2 1/4 15 1/2 16.0

COUNTY:

STANDARD SIGN W8 - 7

WISCONSIN DEPT OF TRANSPORTATION

Matther R Rauch State Traffic Engineer
/12 PLATE NO. W8-7.7 DATE 5/30/12

SHEET NO:

PLOT DATE: 30-MAY-2012 13:41 PLOT NAME : PLOT BY: mscj9h

PROJECT NO:

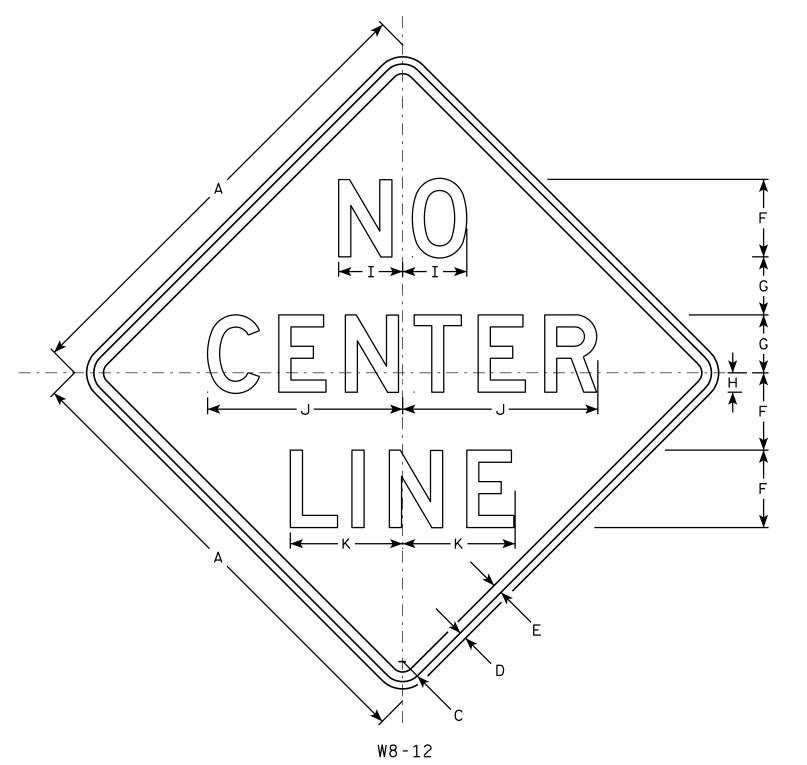
HWY:

# <u>NOTES</u>

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K I	. M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areo sq. ft.
1																										
2S	36		1 %	5/8	3/4	6	4 1/2	1 1/2	5 1/8	16	9															9.0
2M	36		1 %	5⁄8	3/4	6	4 1/2	1 1/2	5 1/8	16	9															9.0
3	48		2 1/4	3/4	1	8	6	2	6 %	20 1/4	11 5/8															16.0
4	48		2 1/4	3/4	1	8	6	2	6 %	20 1/4	11 5/8															16.0
5	48		2 1/4	3/4	1	8	6	2	6	20 1/4	11 5/8															16.0

COUNTY:

STANDARD SIGN W8-12

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 8/24/10

PLATE NO. W8-12.3

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W812.DGN

PROJECT NO:

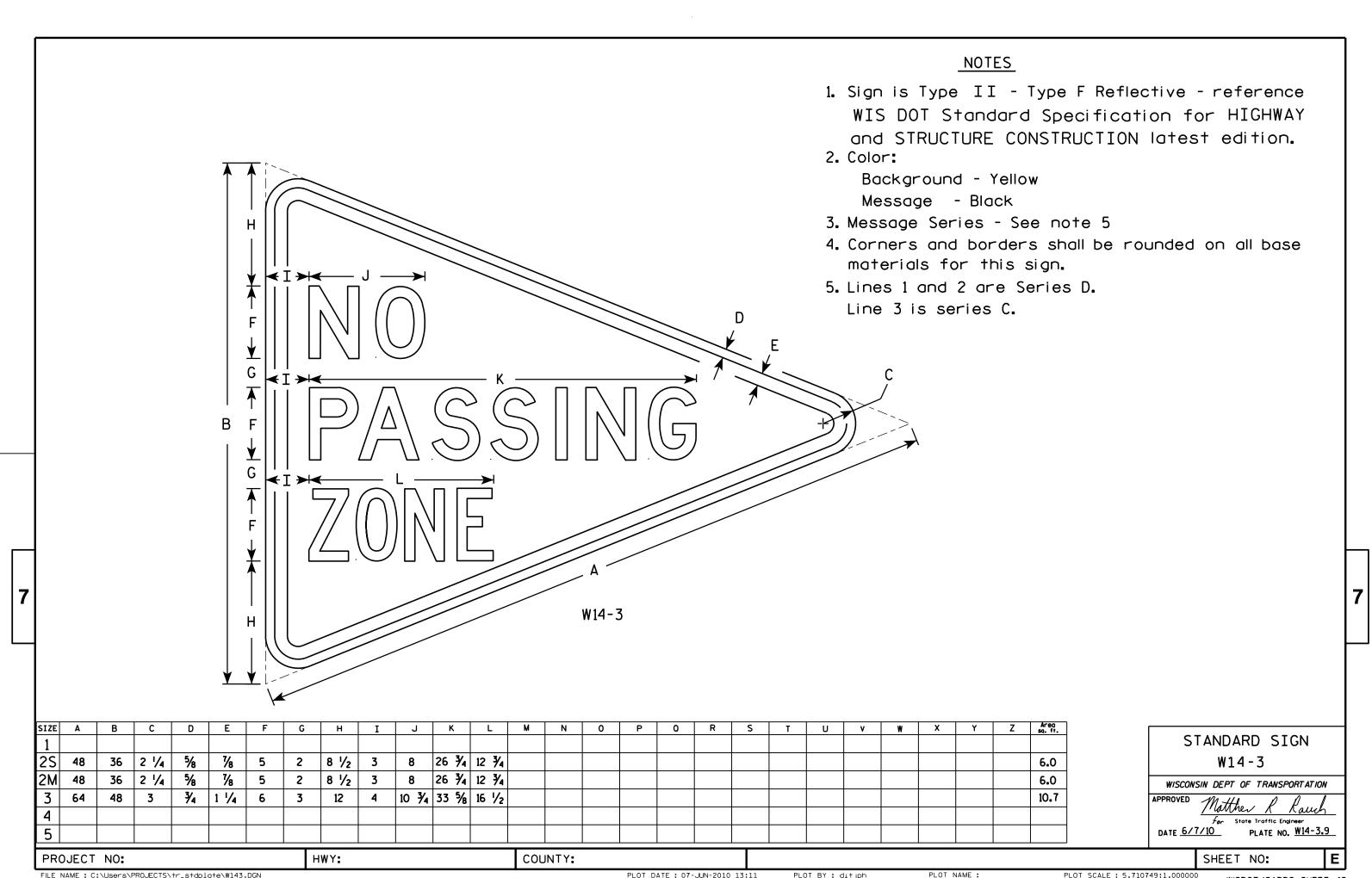
HWY:

PLOT DATE: 24-AUG-2010 13:34

PLOT BY: dotsja

PLOT NAME :

PLOT SCALE: 9.931739:1.000000

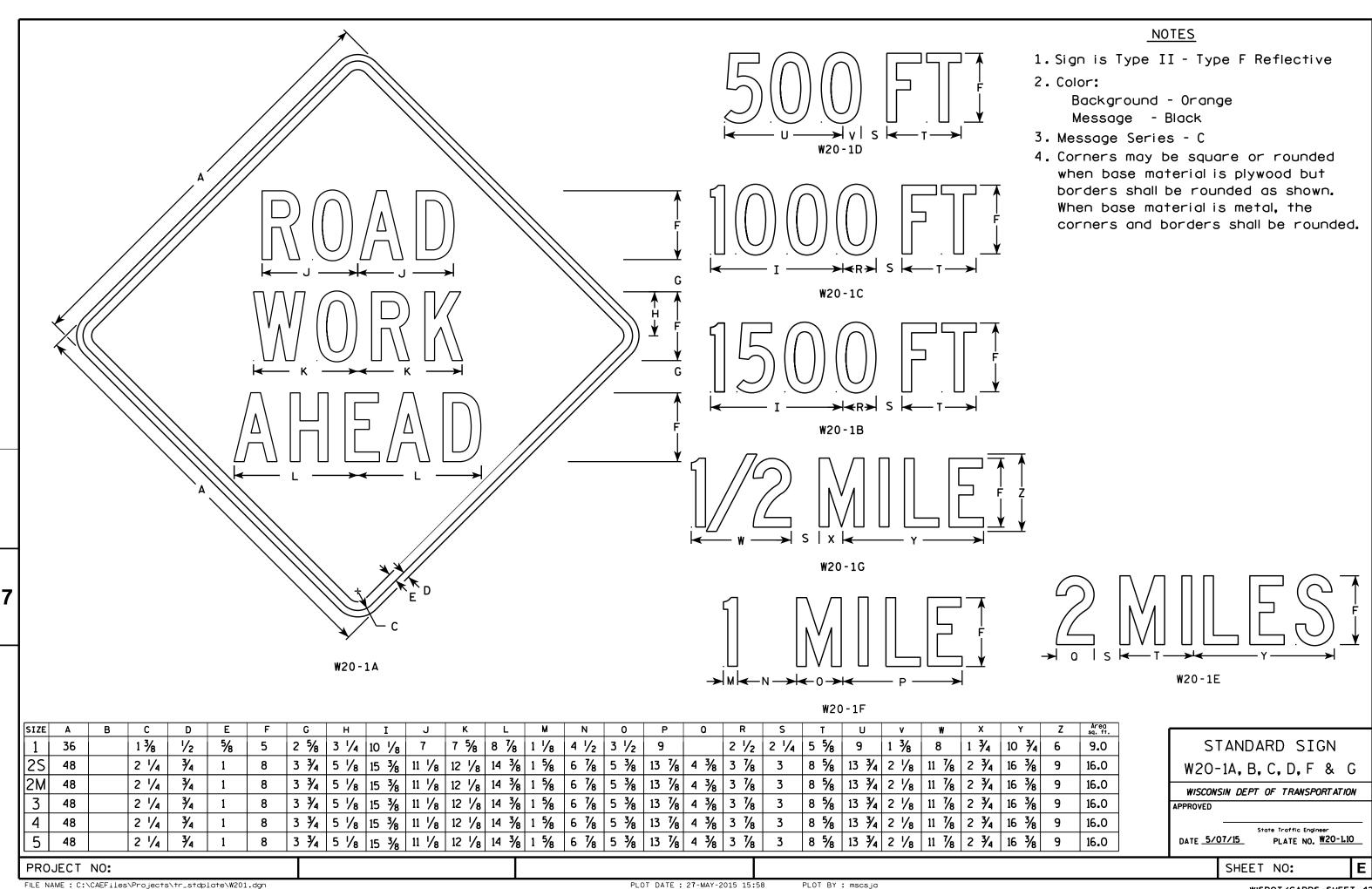


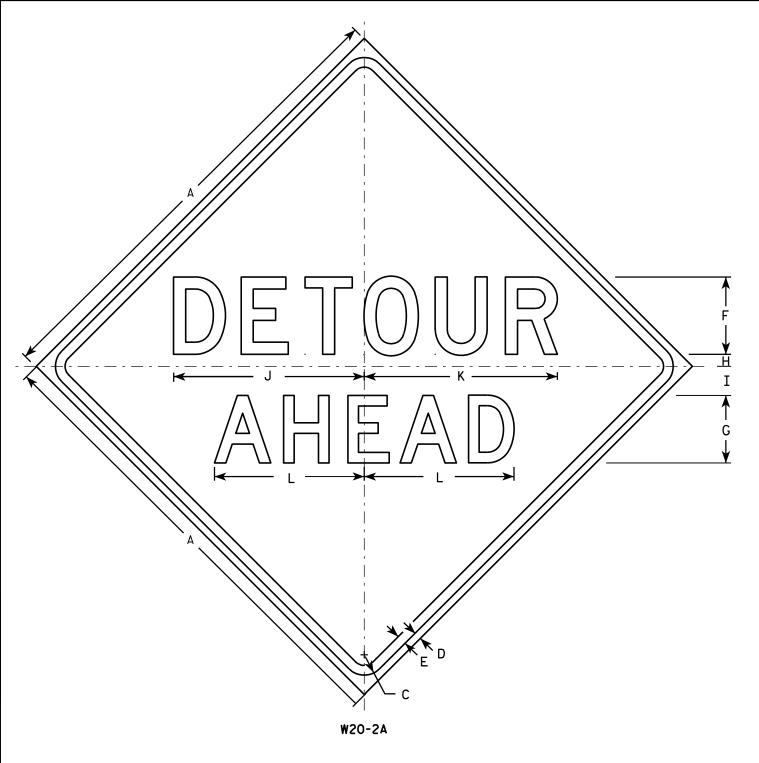
FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W143.DGN

PLOT DATE: 07-JUN-2010 13:11

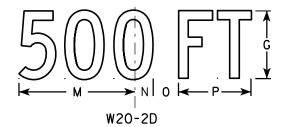
PLOT BY: ditjph

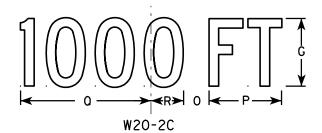
PLOT SCALE: 5.710749:1.000000

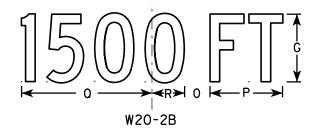


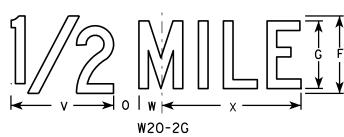


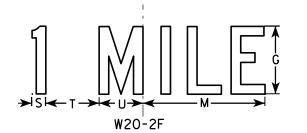
HWY:











PLOT BY: mscj9h

#### **NOTES**

- 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	. Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	36		1 1/8	5/8	₹4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 1/8	5 %	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 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
3	48		2 1/4	₹4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
4	48		2 1/4	₹4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 %	2 3/8	14 3/8	·		16.0

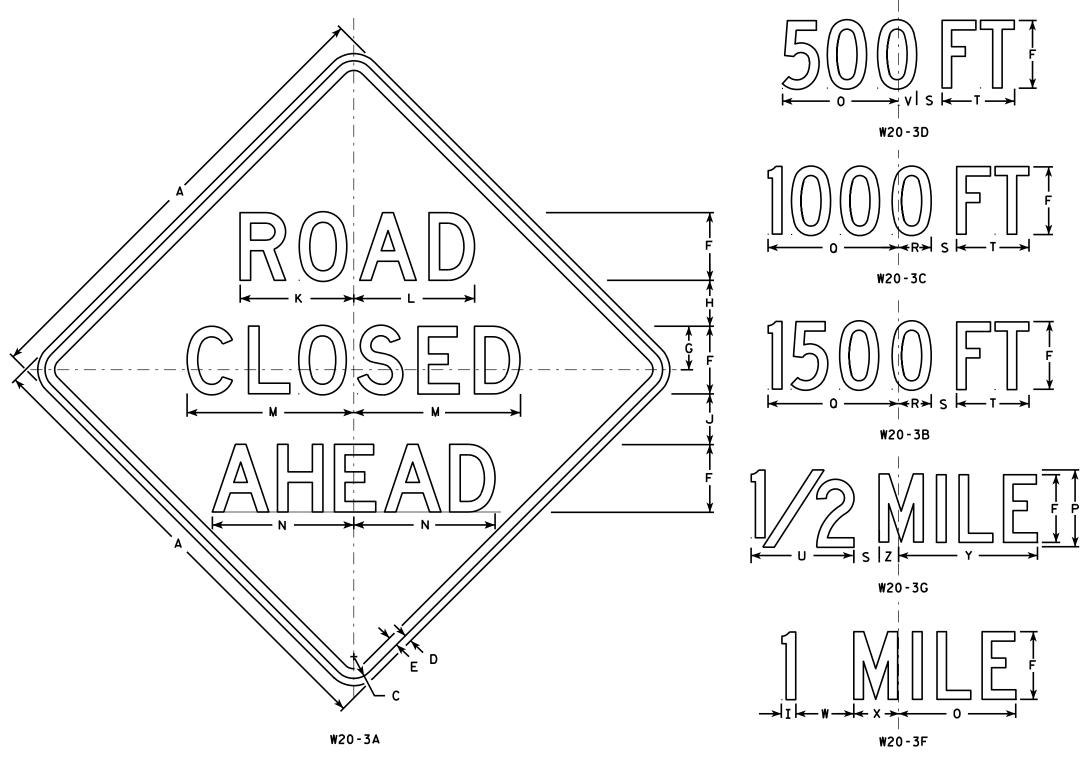
COUNTY:

STANDARD SIGN W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

DATE 3/18/11 PLATE NO. W20-2.6

SHEET NO:



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1 and 2 are Series D. Line 3 is Series D for AHEAD and Series C for all other distances.

1 % 5/8 ¾ 8 3/8 8 7/8 12 1/2 5 % 1 3/8 4 1/2 36 3 1/2 10 3/4 1 3/4 8 4 \( \frac{5}{8} \) 14 \( \frac{3}{8} \) 2 \( \frac{3}{8} \) 16.0 3/4 1 1/2 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 | 7 1/2 10 5/8 1 7/8 2M 3/4 4 \\ 14 \\ 38 \ 2 \\ 38 \ 16.0 48 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 | 7 1/2 10 % 1 % 4 1/2 4 3/4 1 1/2 5 1/4 11 3/4 12 1/2 17 1/4 14 5/8 3/4 13 1/2 3 3/8 2 5/8 7 1/2 10 5/8 1 3/8 4 % | 14 % | 2 % | 16.0 48 3/4 4 1/2 4 3/4 1 1/2 5 1/4 11 3/4 12 1/2 17 1/4 14 5/8 13 1/2 3 3/8 2 5/8 4 \\ 14 \\ 38 \ 2 \\ 38 \ 16.0 7 1/2 10 5/8 1 7/8 48 5 4 5/8 14 3/8 2 3/8 16.0 3/4 2 1/4 4 1/2 | 4 3/4 | 1 1/2 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 | 13 1/2 3 3/8 2 5/8 7 1/2 10 5/8 1 3/8 48

COUNTY:

STANDARD SIGN W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer DATE 3/18/11

PLATE NO. W20-3.7

SHEET NO:

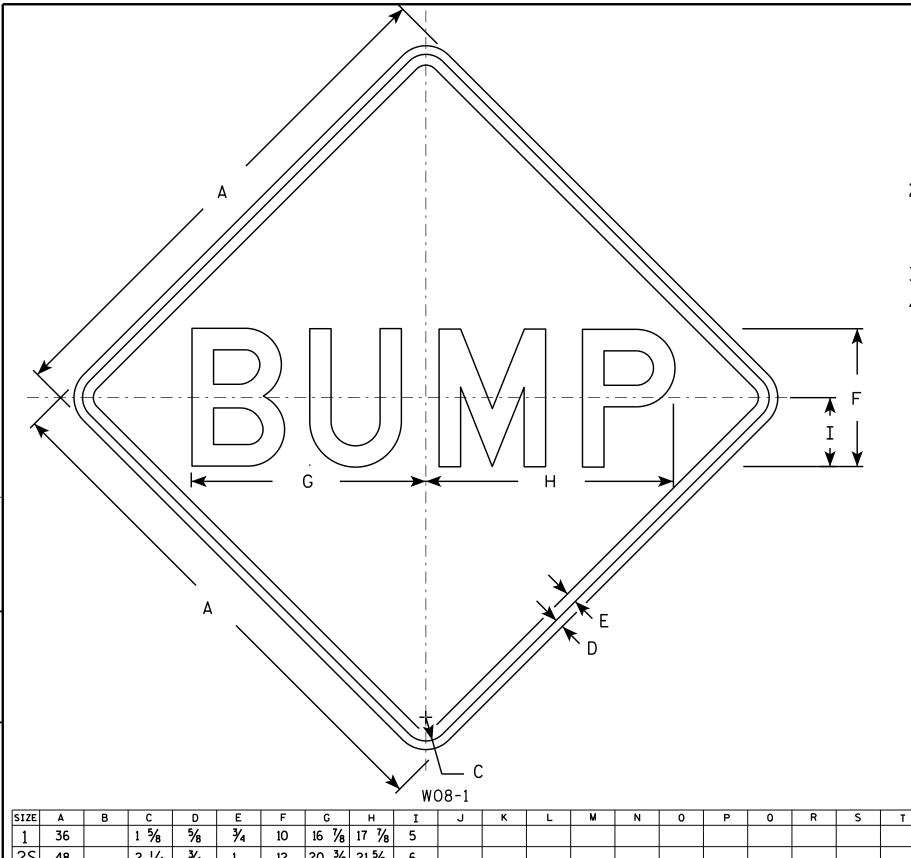
PROJECT NO: FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W203.DGN HWY:

PLOT DATE: 18-MAR-2011 12:08

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 9.931739:1.000000



- 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.

9.0 3/4 12 20 3/8 21 5/8 6 2 1/4 48 16.0 12 20 3/8 21 5/8 6 2M 48 2 1/4 3/4 16.0 3/4 12 20 3/8 21 5/8 2 1/4 48 16.0 2 1/4 12 20 3/8 21 5/8 48 3/4 16.0 12 20 3/8 21 5/8 6 48 2 1/4 3/4 16.0

COUNTY:

STANDARD SIGN WO8-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Kauch

DATE 11/20/13

PLATE NO. WO8-1.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W081.DGN

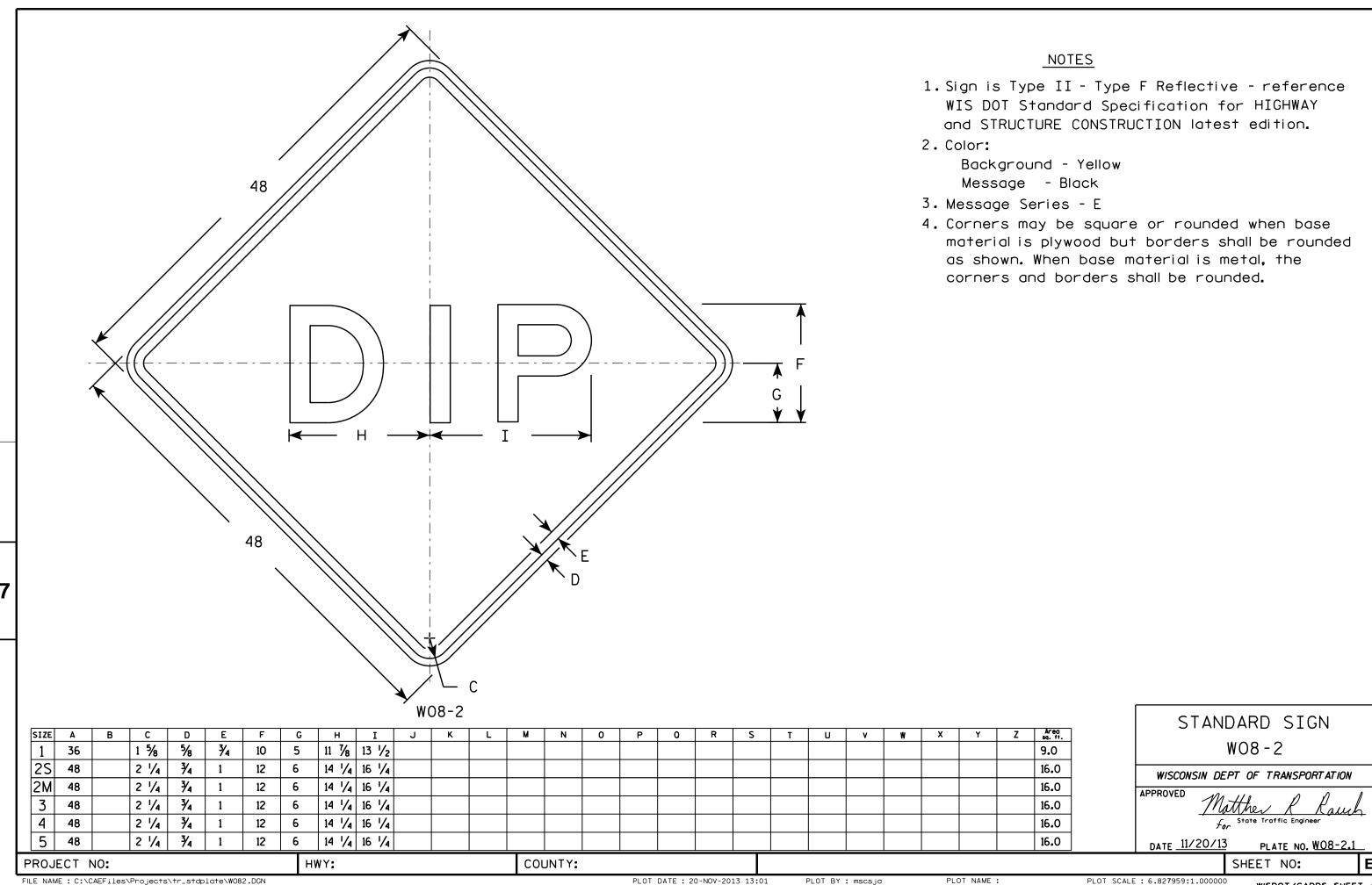
PROJECT NO:

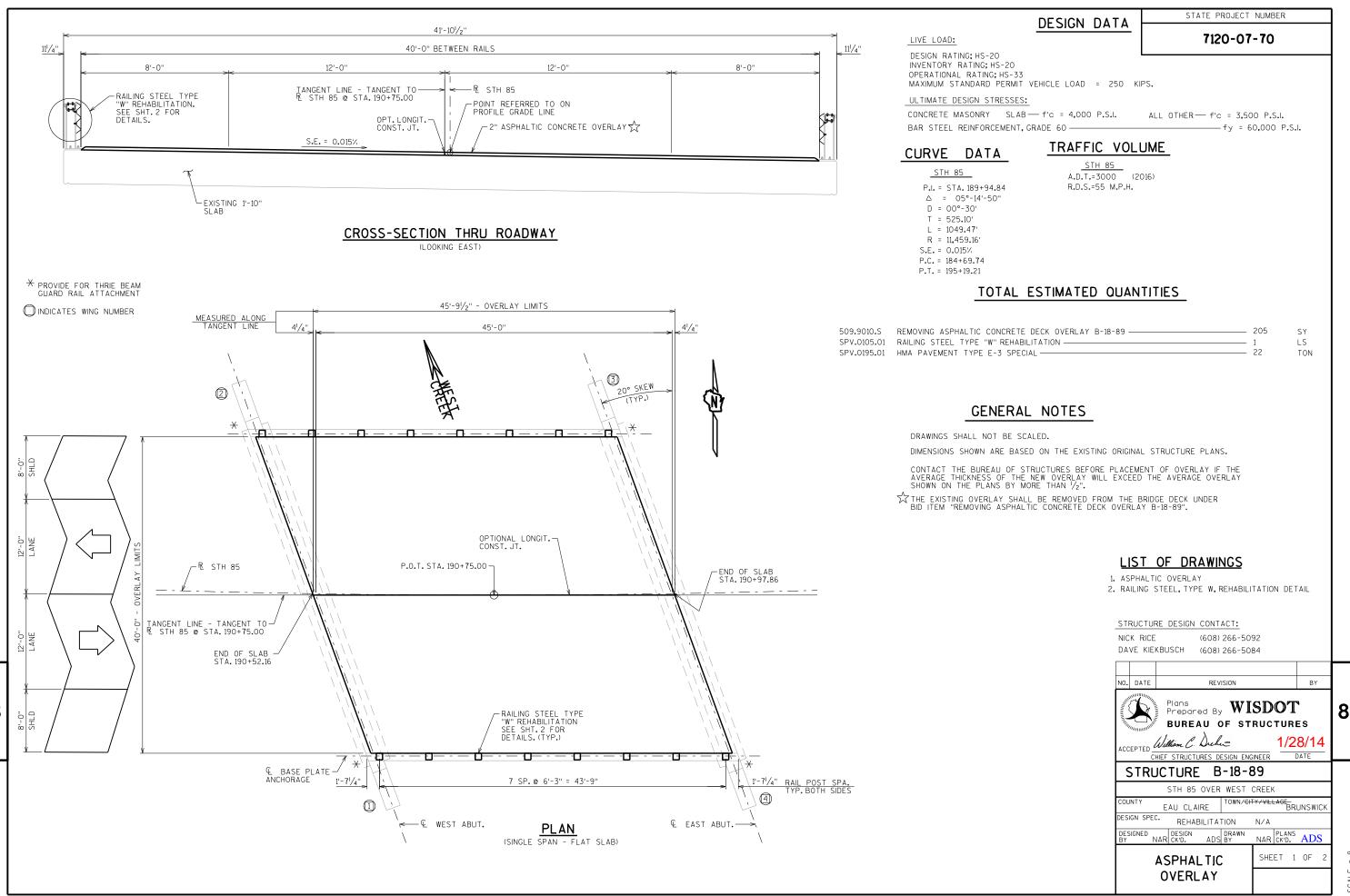
HWY:

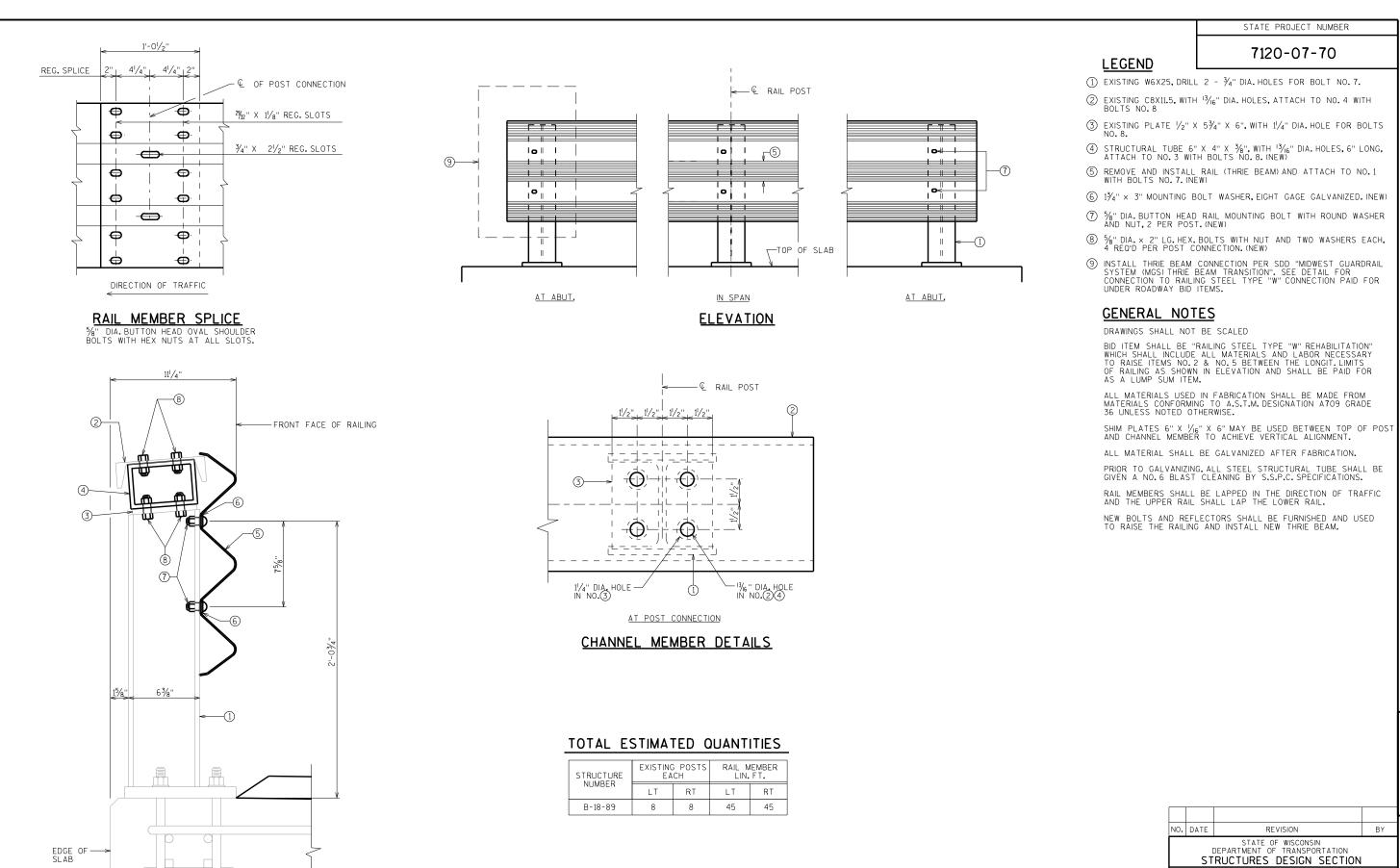
PLOT DATE: 20-NOV-2013 12:24

PLOT NAME :

PLOT SCALE: 6.688833:1.000000







8

SECTION THRU RAILING

0.333

NAR CK'D. ADS

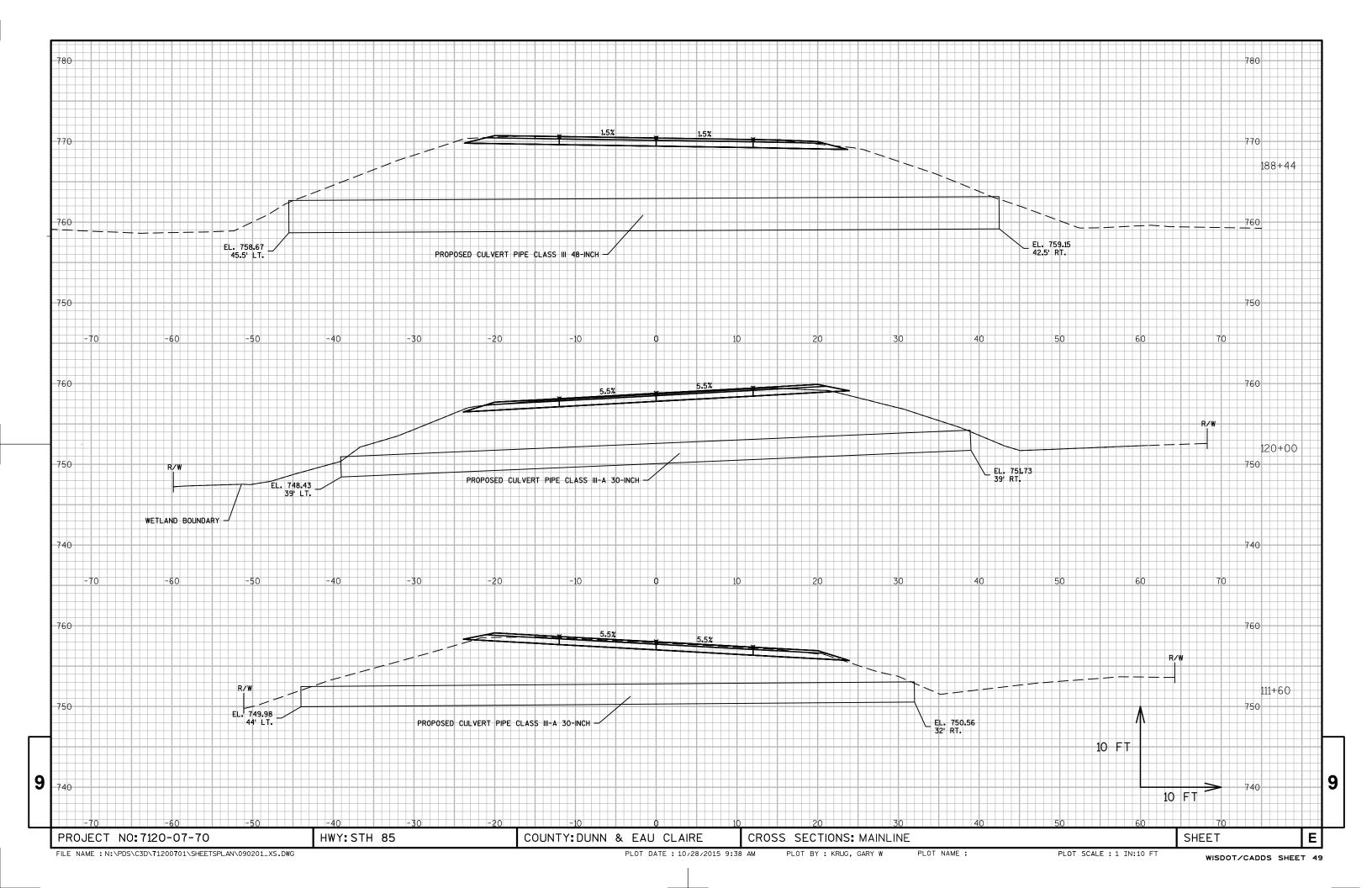
SHEET 2

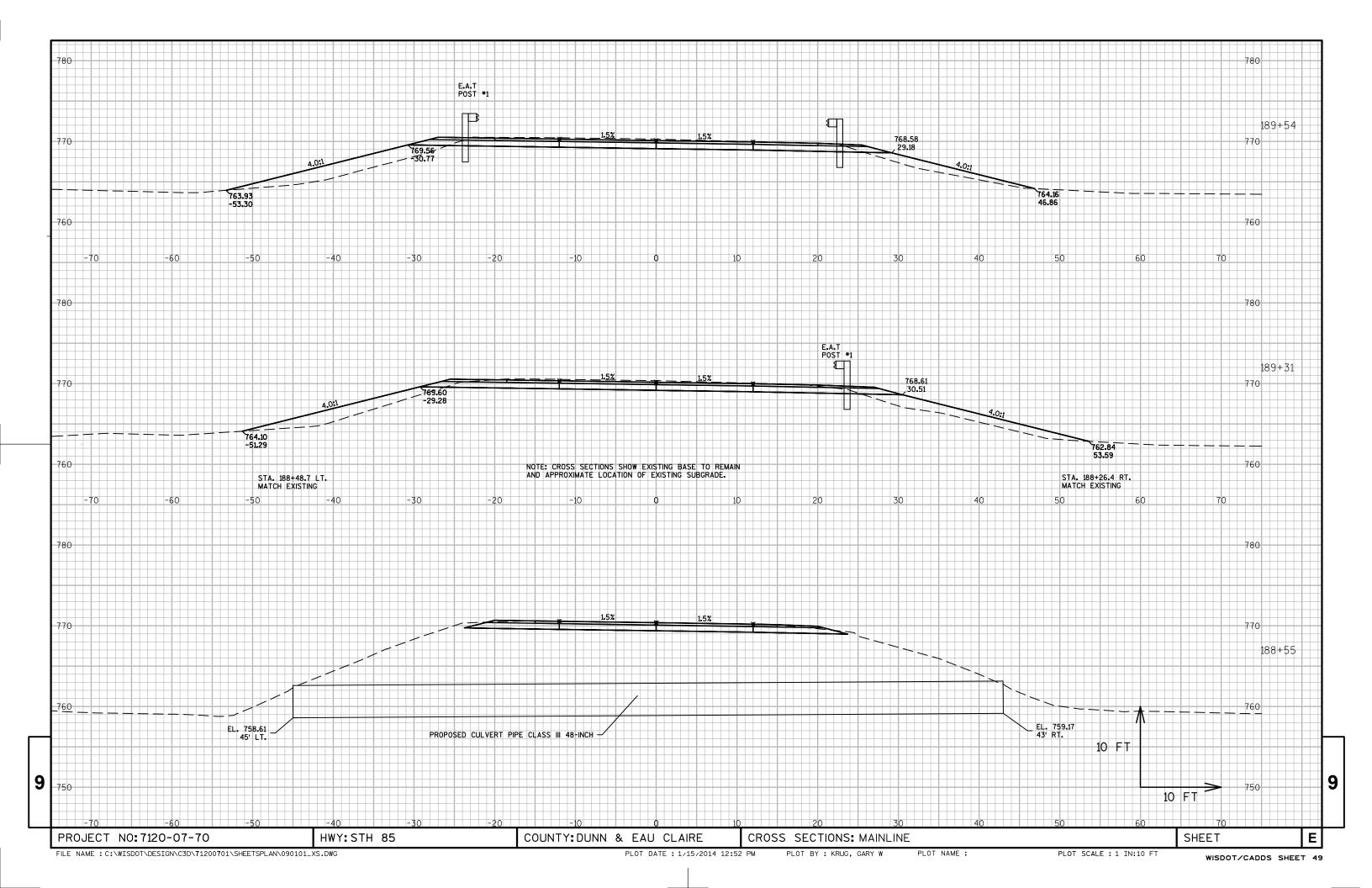
STRUCTURE B-18-89

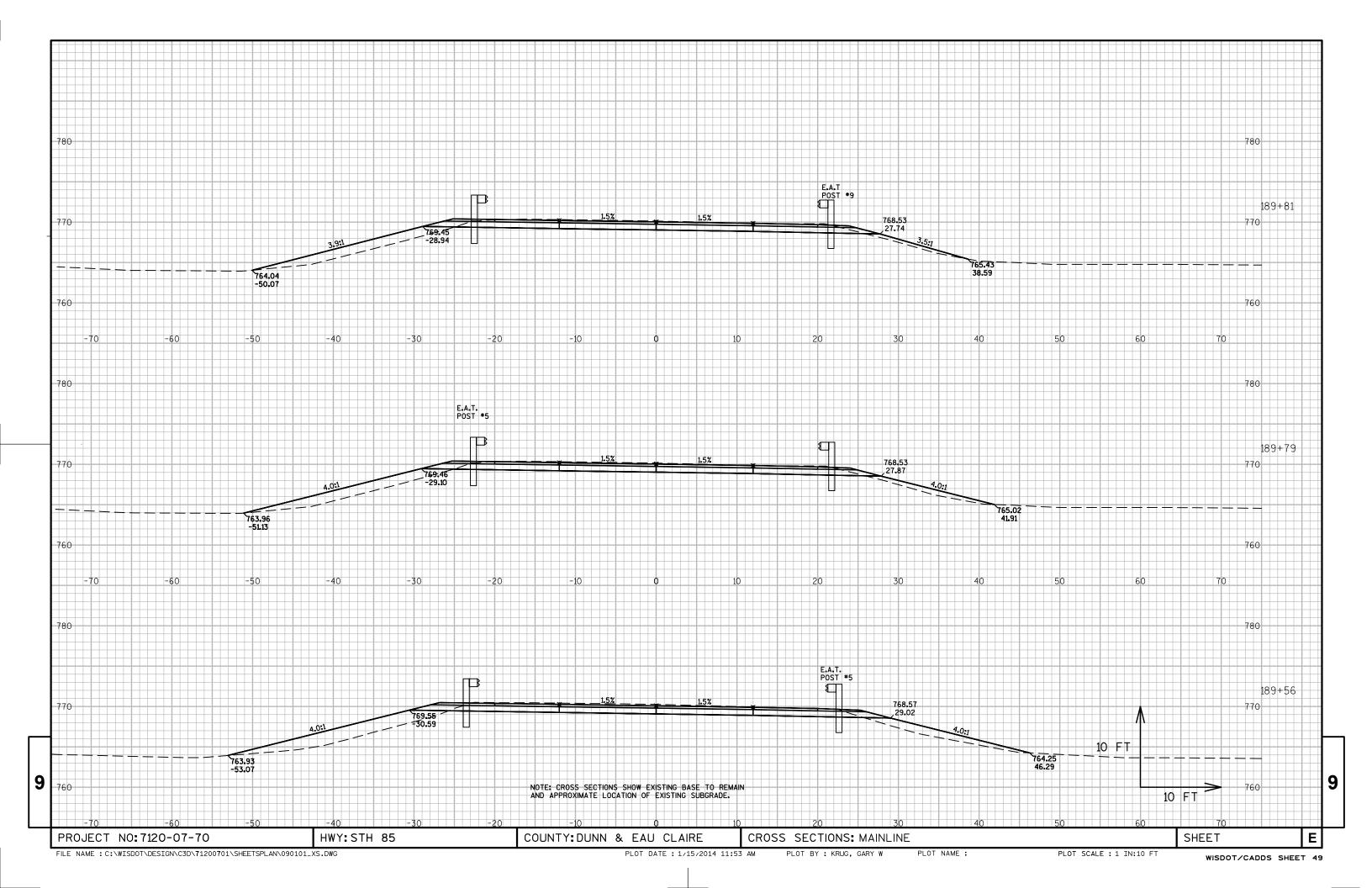
RAILING STEEL, TYPE W, REHAB.

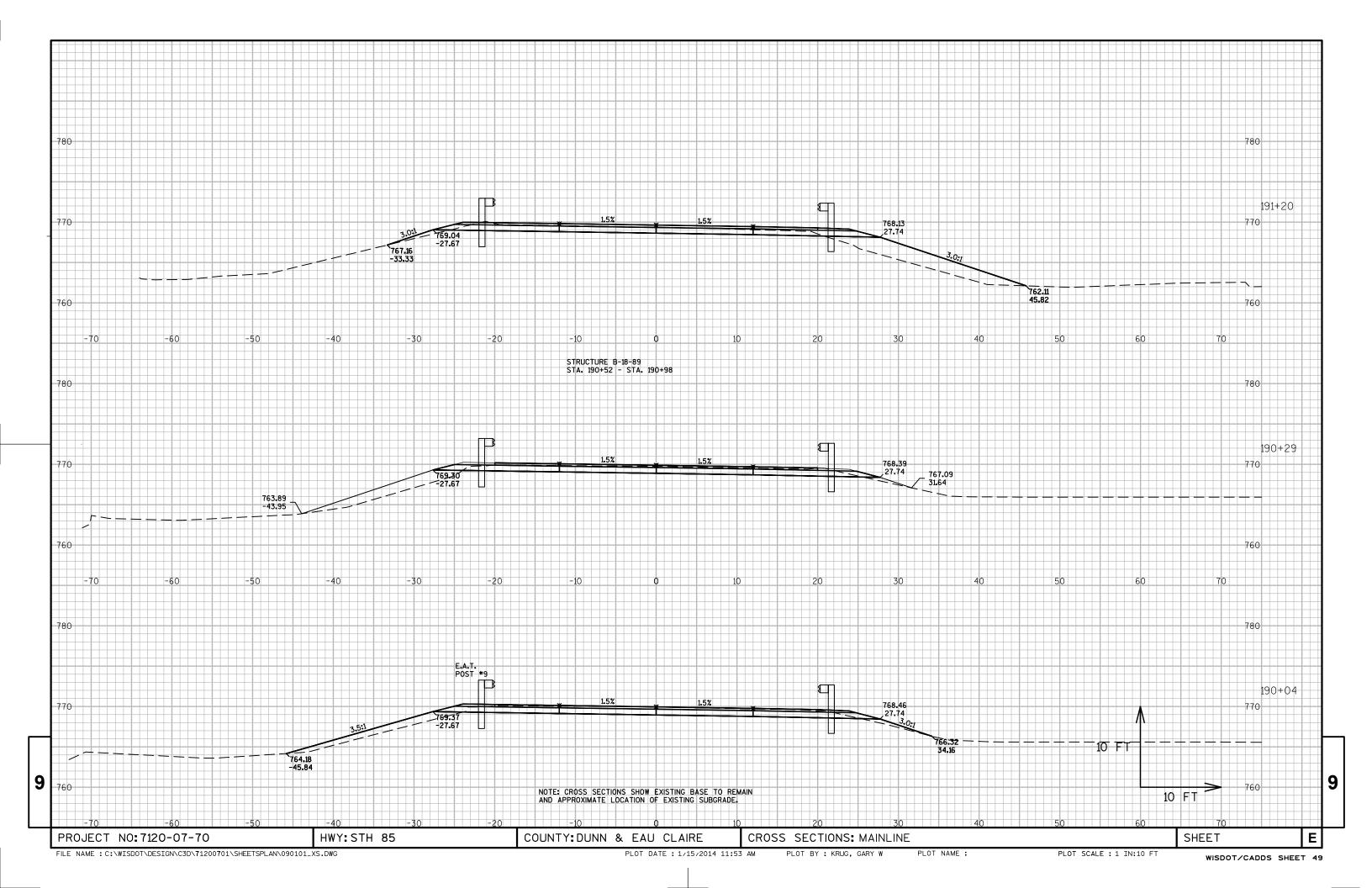
DETAIL

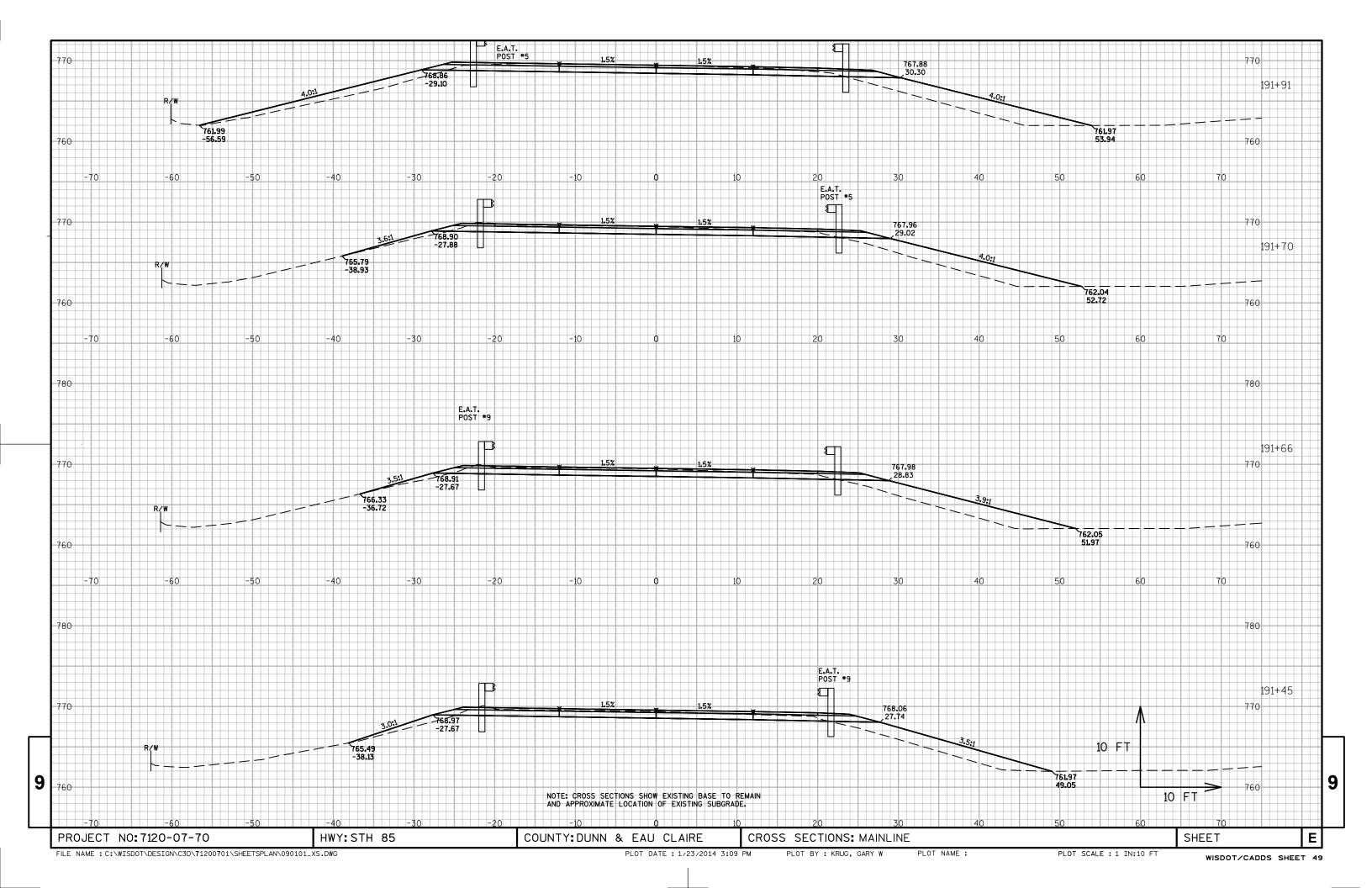
8

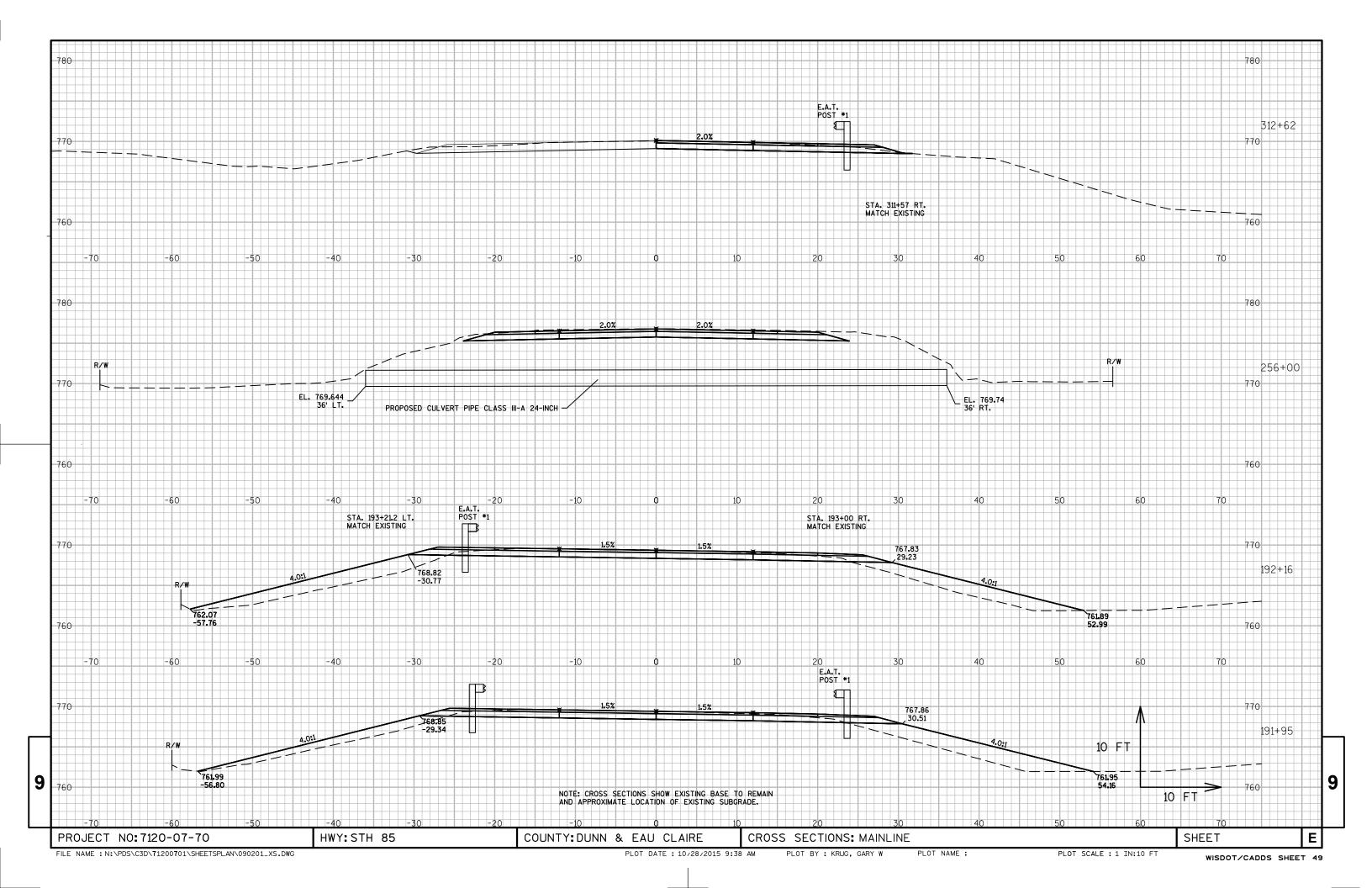


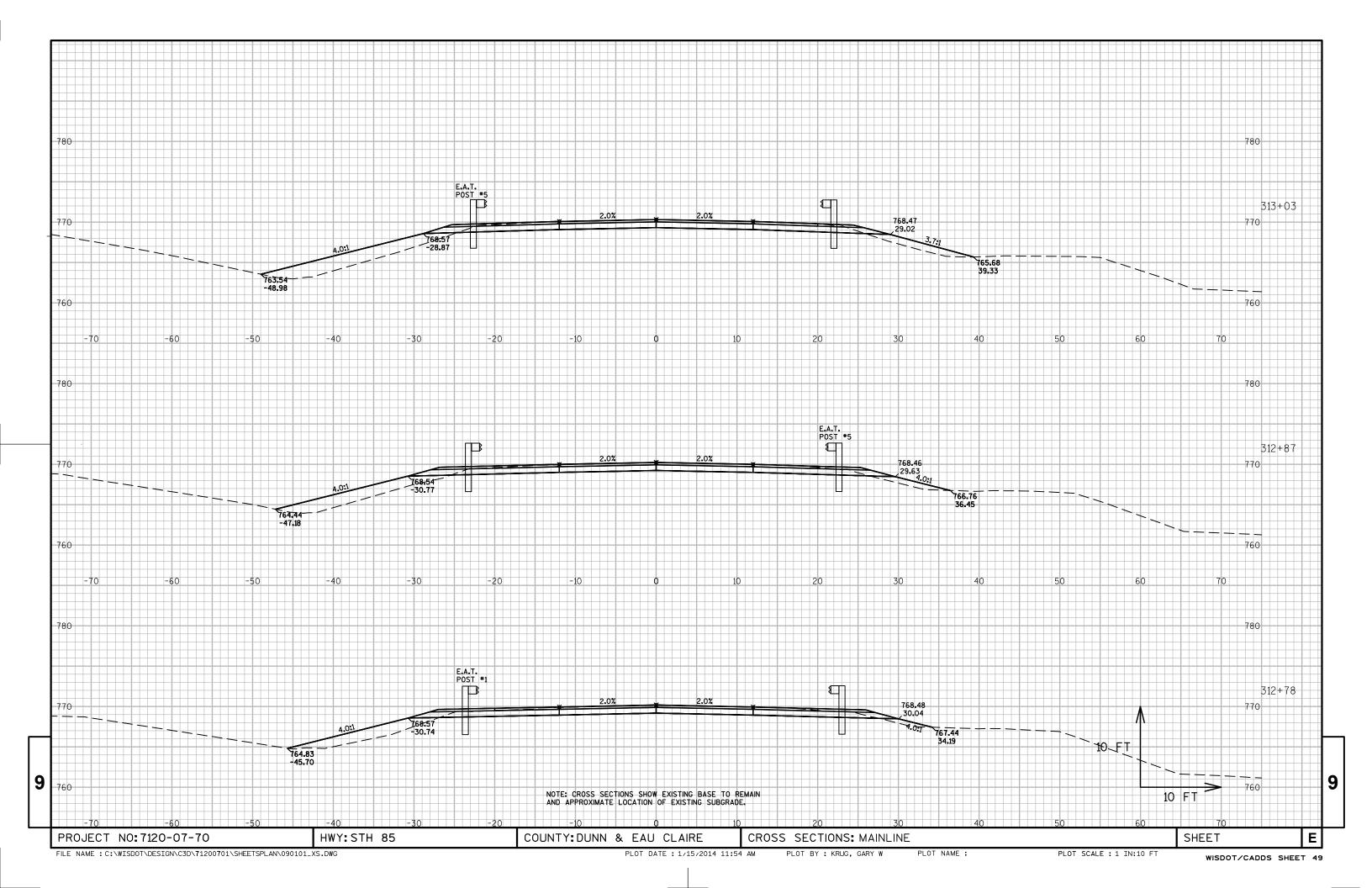


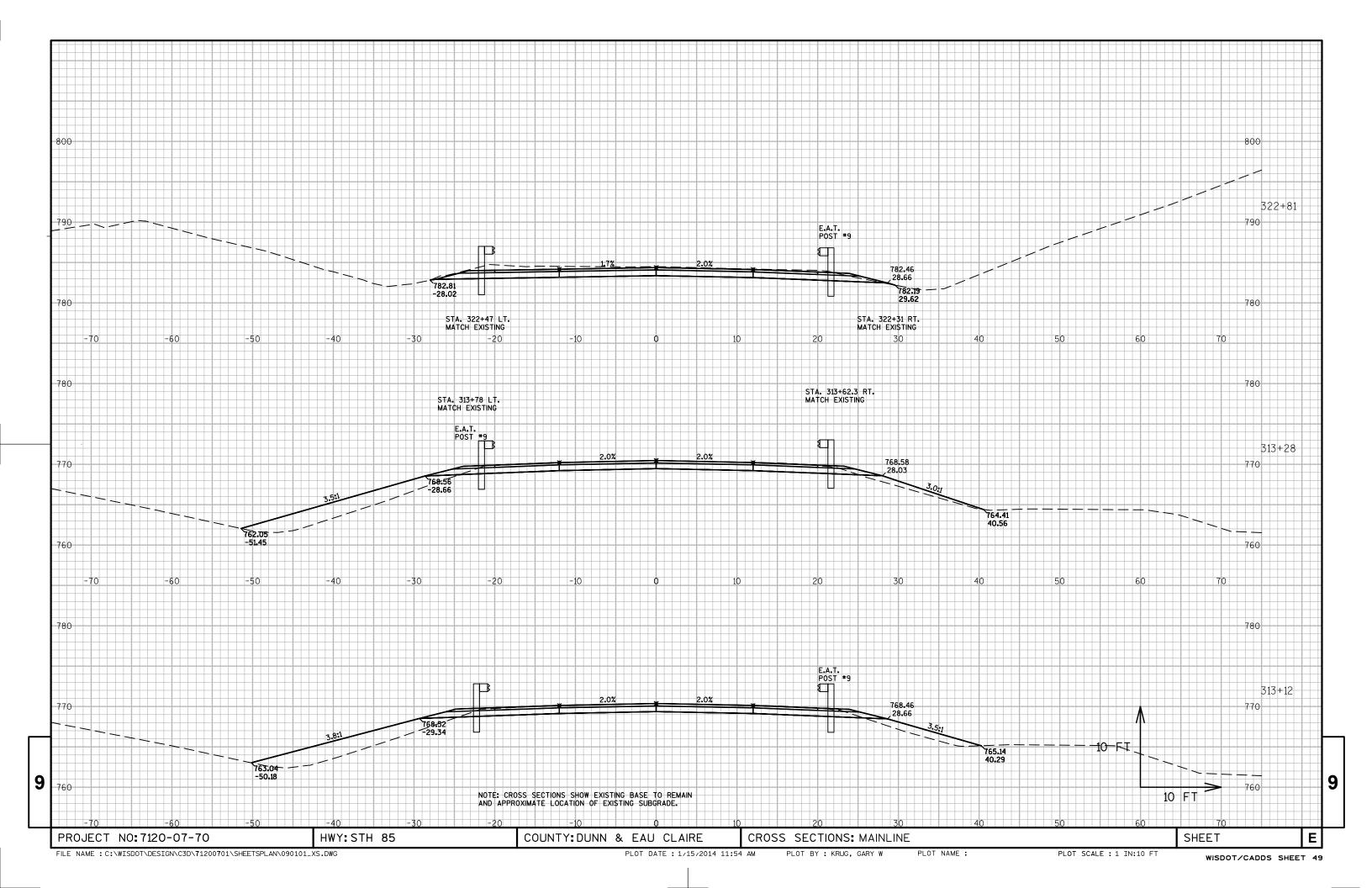


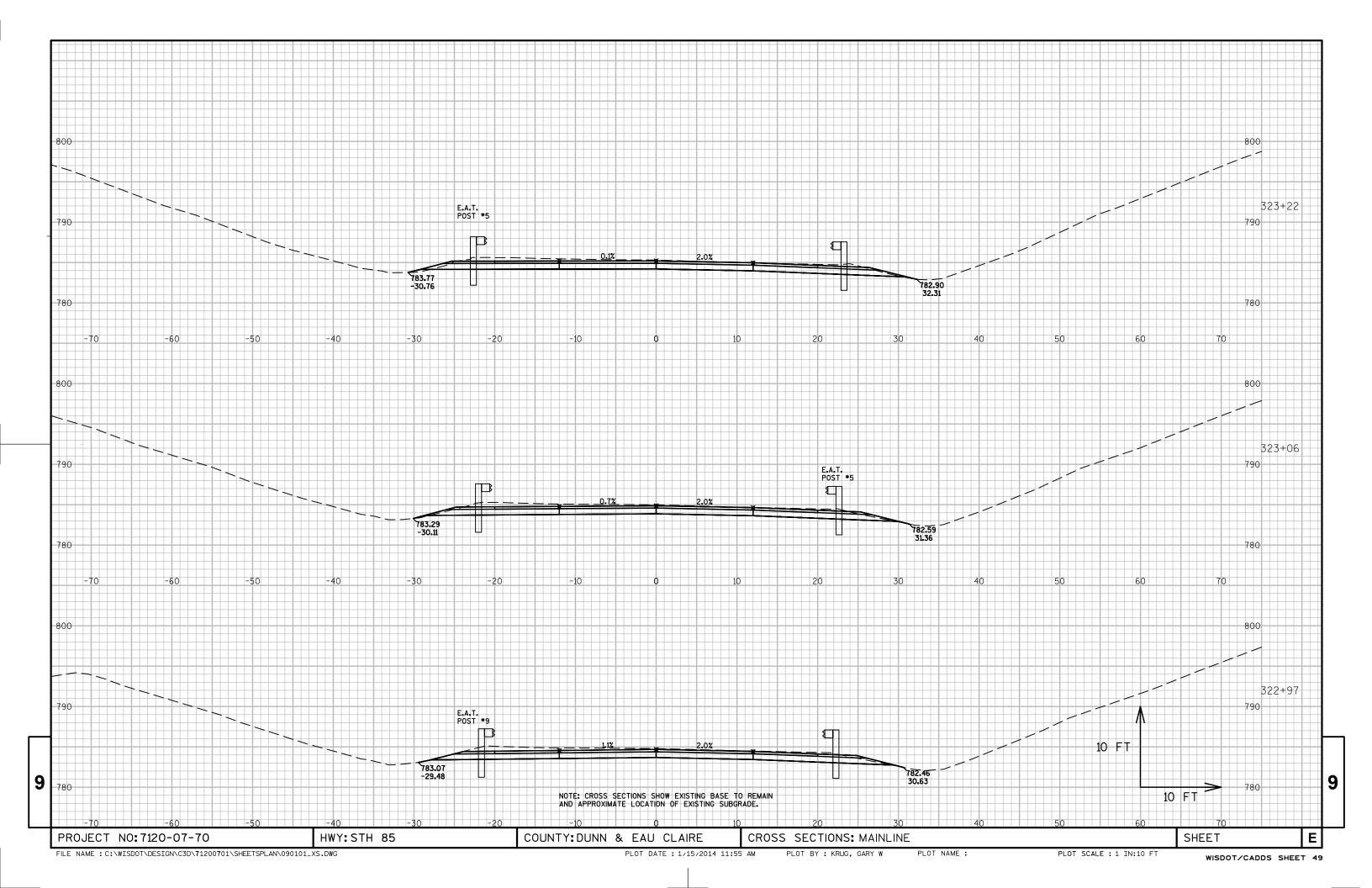


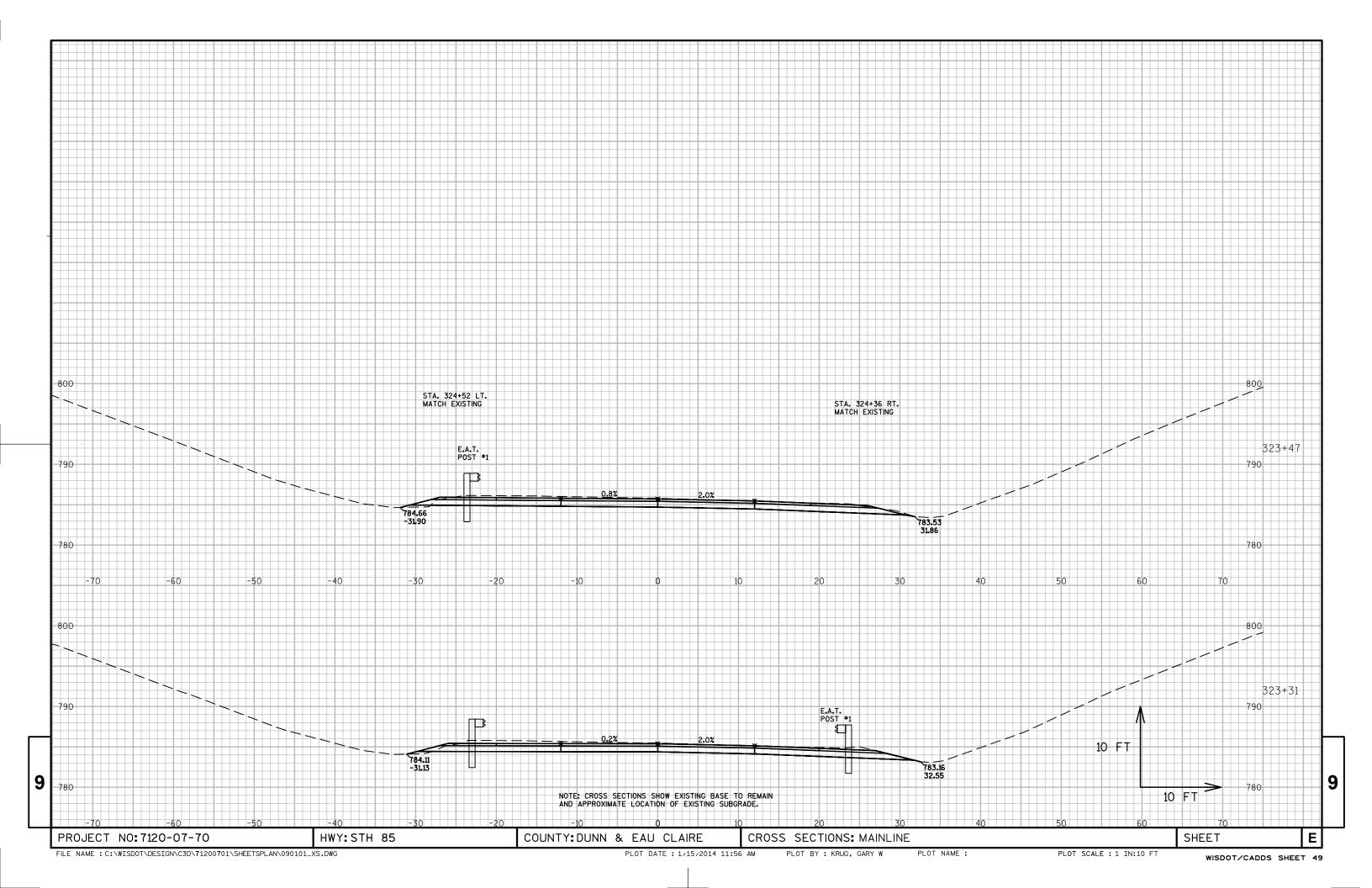


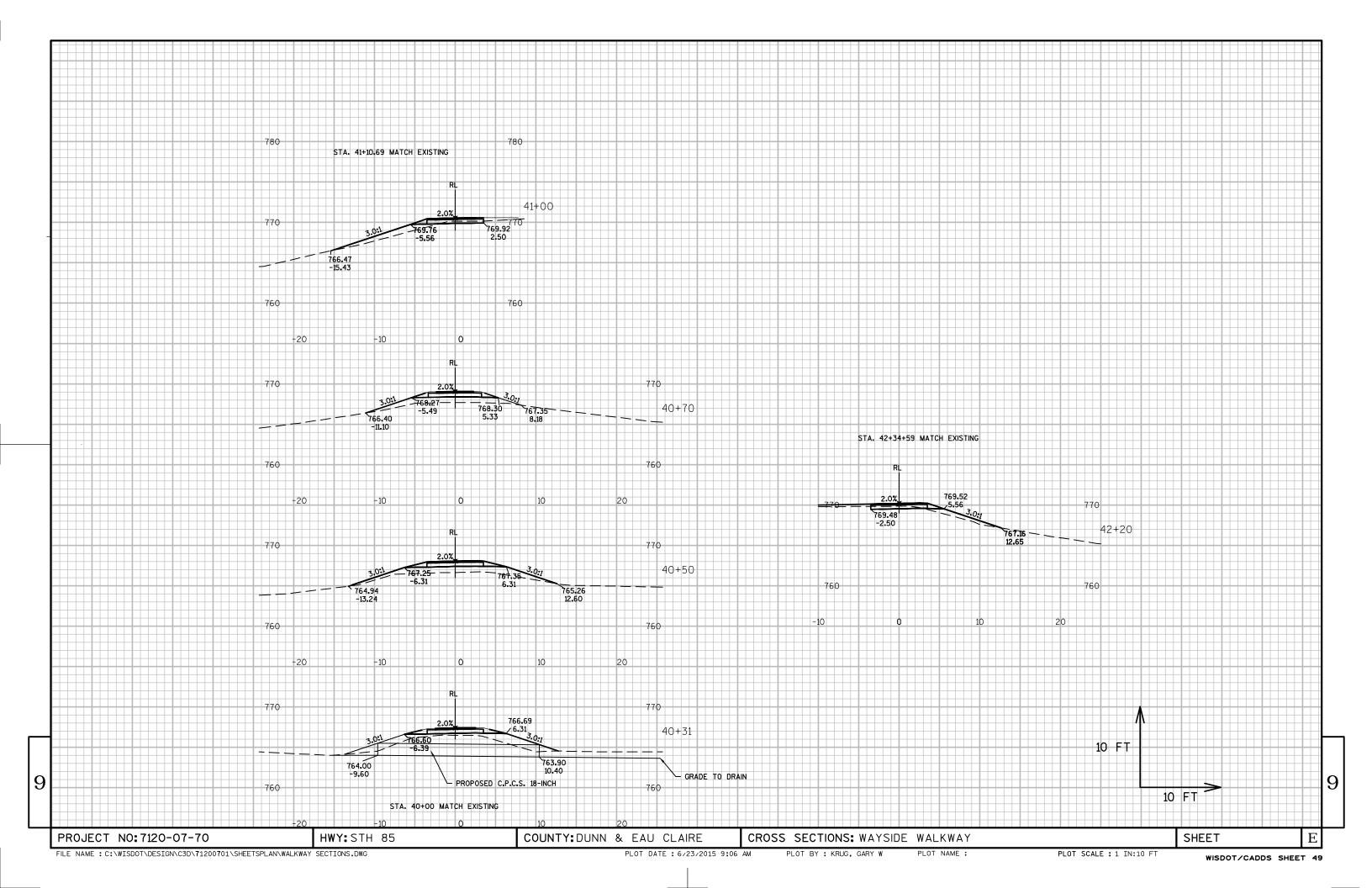














# Wisconsin Department of Transportation

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