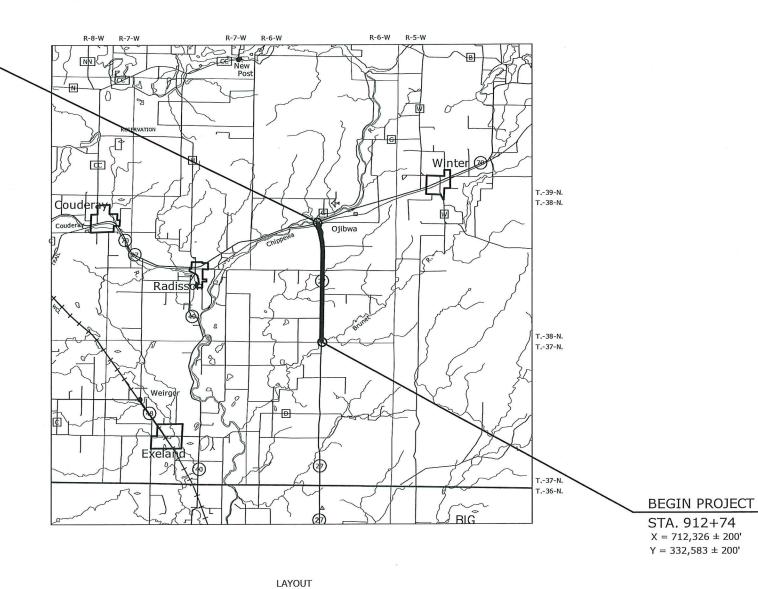
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PLAN OF PROPOSED IMPROVEMENT LADYSMITH TO OJIBWA

> **BRUNET RIVER - STH 70 STH 27** SAWYER COUNTY

> > STATE PROJECT NUMBER 8150-20-60



TOTAL NET LENGTH OF CENTERLINE = 5.000 MI.

PREPARED BY ALTERNATION OF THE PARTY OF THE SCONS E-37704 STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION COOPER ENGINEERING COOPER ENGINEERING MICHAEL PEARSON DAVID OSTROWSKI PPROVED FOR DEPARTMENT 1/26/16

FEDERAL PROJECT

PROJECT

CONTRACT

STATE PROJECT

8150-20-60

FILE NAME: G:\2010-proj\10467051\dwg\PlanSet\010101_ti.dwg

Typical Sections and Details (Includes Erosion Control Plan)

PROFILE GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

STORM SEWER

ELECTRIC

GRADE ELEVATION

CULVERT (Profile View)

MARSH OR ROCK PROFILE

(To be noted as such)

Estimate of Quantities

70

= 1500

= 1900

= 340= 50%

= 15%

= 60 MPH = 562,100

Miscellaneous Quantities

PROJECT LOCATION

PLOT DATE: Oct 06, 2011 - 11:05am

PLOT BY: Aaron Scharf

PLOT SCALE : Half-Scale

SAWYER COUNTY.

COORDINATES ARE REFERENCED TO THE

WISCONSIN COUNTY COORDINATE SYSTEM,

COORDINATE NOTE:

END PROJECT STA 1176+75 $X = 711,050 \pm 200'$ $Y = 358,812 \pm 200'$

PLOT NAME: CEC-PLAN

ORG. DATE: Dec 05, 2007

Originator: Originator

LIST OF STANDARD ABBREVIATIONS

LF

LHF

LINEAR FOOT

LEFT HAND FORWARD LENGTH OF CURVE

ABUT ABUTMENT AC ACRES LEFT LUMP SUM AGGREGATE AGG МН MANHOLE ΑН AHEAD AVERAGE DAILY TRAFFIC NORTH ADT NORMAL CROWN PAVT PAVEMENT AVG. AVERAGE PC POINT OF CURVATURE ASPHALTIC ASPH PF PRIVATE ENTRANCE BK. BACK ΡI POINT OF INTERSECTION вм BENCHMARK PROPERTY LINE CENTRAL ANGLE OR DELTA Δ POWER POLE Q, C/L CENTERLINE PT CURB AND GUTTER POINT OF TANGENCY C & G CRUSHED AGGREGATE RANGE . RADIUS CABC REINFORCED CONCRETE RCCP BASE COURSE CUI VERT PIPE CONC. CONCRETE RD ROAD COR CORNER REBAR REINFORCEMENT BAR CORR CORRUGATED REQD REQUIRED CORRUGATED STEEL CSCP RDWY ROADWAY CULVERT PIPE RIGHT HAND FORWARD RHF CSPA CORRUGATED STEEL REFERENCE LINE RL, R/L PIPE ARCH RAILROAD COUNTY TRUNK HIGHWAY CTH RT. RIGHT CP. CULVERT PIPE RIGHT-OF-WAY R/W SOUTH CY CUBIC YARD CWT. HUNDREDWEIGHT SANITARY SEWER SAN S DIA DIAMETER SDD STANDARD DETAIL DRAWING DEGREE OF CURVE D SE SUPER ELEVATION DHV DESIGN HOURLY VOLUME SQUARE FEET DWY DRIVEWAY SHLDR SHOULDER EBS EXC. BELOW SUB GRADE SPECIFICATIONS SPECS ELEV., EL ELEVATION SQUARE SO. ELECTRIC STORM SEWER ELEC. SS **EXCAVATION** SY. SOUARE YARD EXC **EXIST** EXISTING STATE TRUNK HIGHWAY STH ST. STREET FIELD ENTRANCE STA. STATION FE SW SIDEWALK FF. FACE TO FACE T TC TANGENT FL, F/L FLOW LINE TOP OF CURB FULL SUPERELEVATION FS TRANSIT LINE G GARAGE TL, T/L TELEPHONE GN GRID NORTH TEMPORARY TEMP Н HOUSE TEMPORARY LIMITED EASEMENT TLE TYPICAL TYP UNITED STATES HIGHWAY HYD HYDRANT USH UNDERGROUND INTERSECTION ANGLE UG V DESIGN SPEED INTERS INTERSECTION INV. INVERT VARIABLE IRON PIN OR PIPE VFRT VERTICAL LONG CHORD OF CURVE LC YD YARD

UTILITY CONTACTS

NORTH CENTRAL POWER COMPANY ATTN.: MIKE HEATH 3661 NORTH CLARK STREET RADISSON, WI 54867 TEL.: (715) 945-2630

ELECTRIC

TELEPHONE

CENTURYLINK ATTN.: BRIAN HUHN 400 W 9TH STREET N., SUITE #5 LADYSMITH, WI 54848 TEL: (715) 532-0023 EMAIL: BRIAN.HUHN@CENTURYLINK.COM TELEPHONE

INDIANHEAD TELEPHONE COMPANY ATTN.: STEPHEN ROBERTSON N3767 4TH STREET WEYERHAEUSER, WI TEL: (715) 353-2434 EMAIL: itc@indianheadtel.net

GENERAL NOTES:

SUPER ELEVATIONS SHALL MATCH EXISTING ROADWAY.

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.

ACCESS TO ALL RESIDENCES SHALL BE MAINTAINED DURING CONSTRUCTION.

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 NOW SHOWN.

WHEN THE QUANTITY OF HMA PAVEMENT OR BASE AGGREGATE DENSE IS MEASURED BY THE TON, THE DEPTH OR THICKNESS SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER,

REMOVE ANY REMAINING RUBBER CRACK FILL MATERIAL TO AT LEAST 1-INCH BELOW THE SURFACE MILL UNDER THE "PREPARATION OF FOUNDATION FOR ASPHALTIC PAVING" BID ITEM.

AREAS THAT FAIL DURING OR AFTER THE SURFACE MILL SHALL BE REPAIRED BY MEANS OF LEVELLING/WEDGING AND SPOT LANE REPAIR USING THE ASPHALTIC SURFACE BID ITEM.

RESTORE SIDEROAD INTERSECTIONS AND PRIVATE ENTRANCES TO EXISTING CONDITIONS UNLESS OTHERWISE SHOWN.

THE EXACT CONSTRUCTION LIMITS OF PRIVATE ENTRANCES SHALL BE COORDINATED WITH THE ENGINEER IN THE FIELD.

PAVEMENT MARKING SHALL MEET MUTCD STANDARDS.

ALL UTILITIES LISTED ARE MEMBERS OF DIGGERS HOTLINE



2040 W. WISCONSIN AVE. SUITE 10 MILWAUKEE, WI 53233

OTHER CONTACTS

DESIGN CONSULTANT

COOPER ENGINEERING CO. INC. 2600 COLLEGE DRIVE RICE LAKE, WI. 54868 PHONE (715) 234-7008

DNR NORTHERN REGIONAL HQ

DNR/DOT LIAISON ATTN.: BILL CLARK 810 W. MAPLE ST. SPOONER, WI 54801 TEL.: (715) 635-4226

EMAIL: WILLIAMH.CLARK@WISCONSIN.GOV

WISDOT NW REGION - SUPERIOR

DESIGN CONTACT ATTN.: MATT DICKENSON 1701 N 4TH STREET SUPERIOR, WI 54880 TEL.: (715) 395-3022 EMAIL: MATTHEW DICKENSON@DOT WI GOV

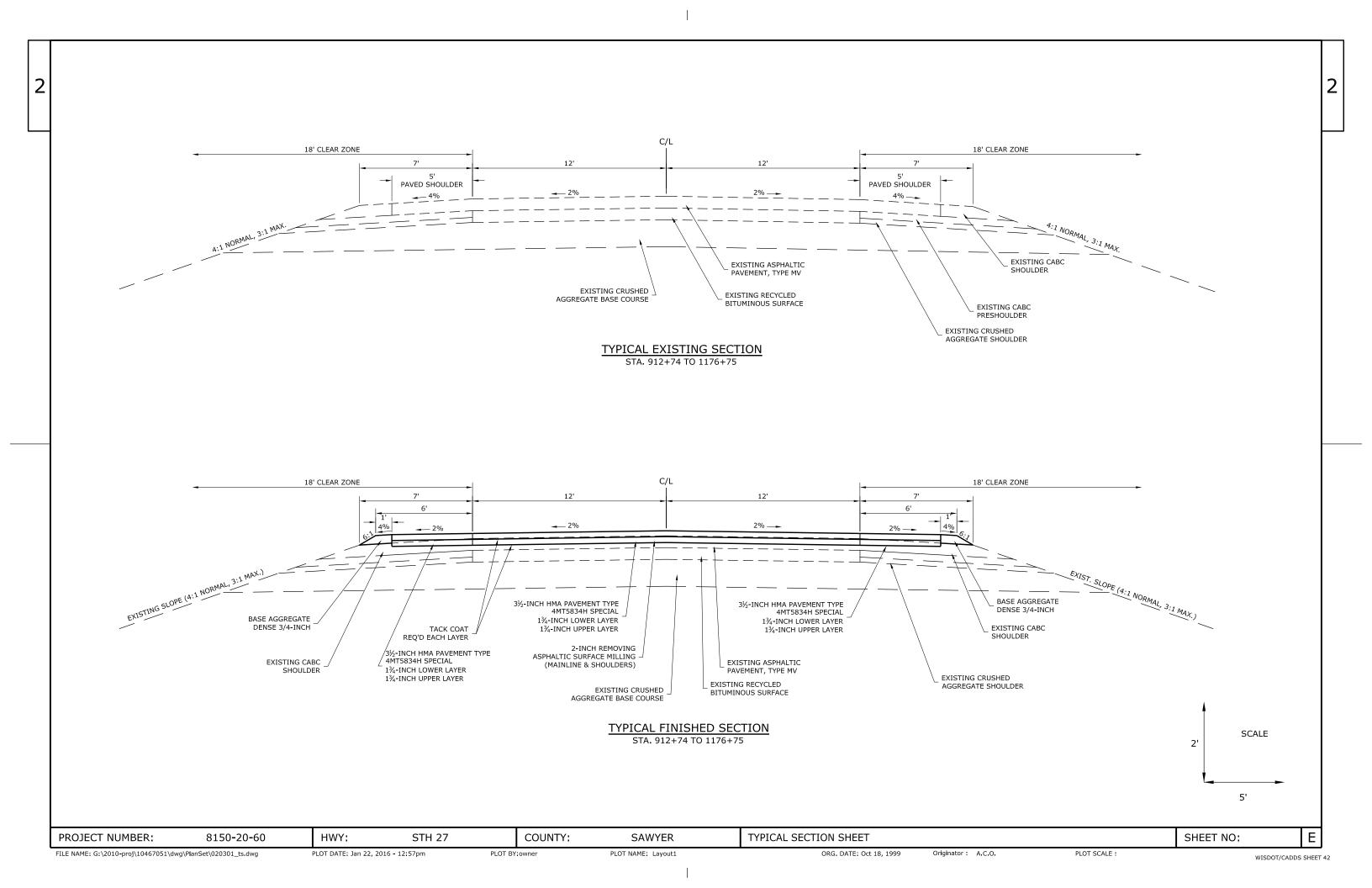
RUNOFF COEFFICIENT TABLE

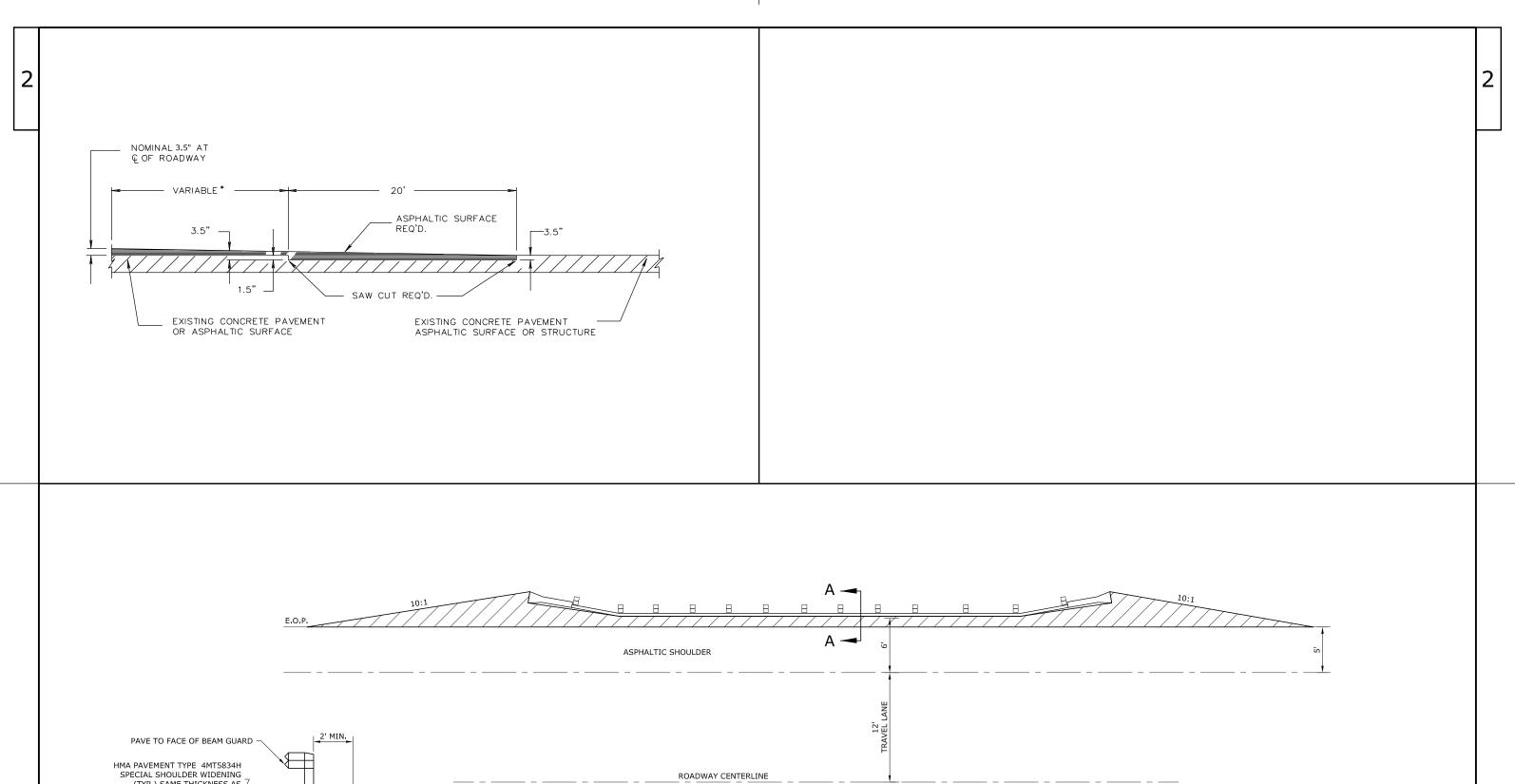
			HYD	ROLOG	IC SOII	L GROUP								
		Α				В			С	D				
	SL	OPE RA	NGE (%)	SI	OPE R	ANGE (%)	SI	OPE R	ANGE (%)	SLOPE RANGE (%)				
LAND USE:	0-2	2 - 6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER		
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56		
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	20 26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40		
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38		
PAVEMENT:	•					•			•			•		
ASPHALT				7095	5									
CONCRETE			.8	8095										
BRICK				7080										
DRIVES, WALKS				7585										
ROOFS				7595	;									
GRAVEL ROADS,	SHOUL	DERS	۷.	1060		-			-			-		

TOTAL PROJECT AREA = 24 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 24 ACRES

PROJECT NUMBER: 8150-20-60 HWY: **STH 27** COUNTY: **SAWYER GENERAL NOTES** SHEET NO:

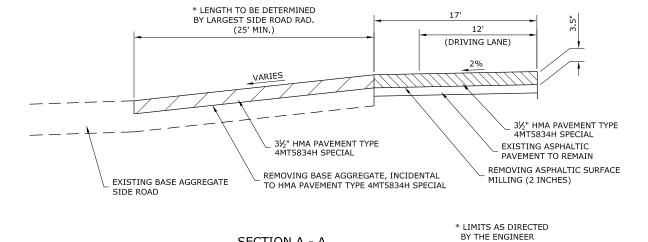
FILE NAME: G:\2010-proj\10467051\dwg\PlanSet\020101_gn.DWG PLOT DATE: Feb 10, 2016 - 02:42pm PLOT NAME: GEN-NOTES ORG. DATE: Oct 18, 1999 PLOT SCALE: NONE PLOT BY; owner Originator : WISDOT/CADDS SHEET 42





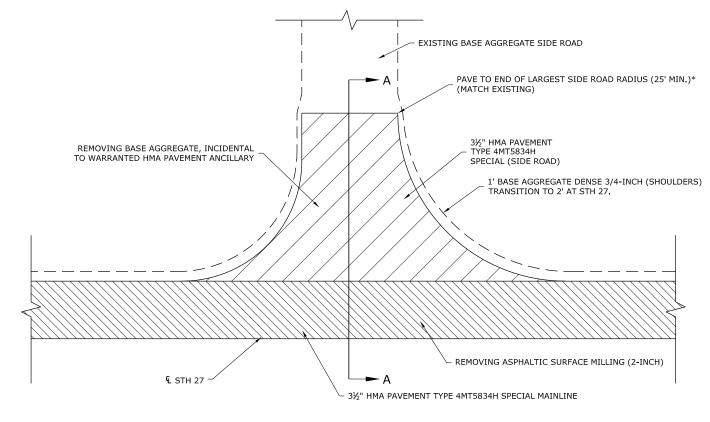
HMA PAVEMENT TYPE 4MT5834H SPECIAL SHOULDER WIDENING (TYP.) SAME THICKNESS AS 7 DRIVING SURFACE DETAIL FOR ASPHALTIC SHOULDERS AT BEAM GUARD/ E.A.T.'S (NOT TO SCALE) BASE AGGREGATE
DENSE 3/4-INCH EXISTING BASE COURSE SECTION A-A PROJECT NUMBER: HWY: COUNTY: CONSTRUCTION DETAILS SHEET NO: Ε 8150-20-60 STH 27 SAWYER FILE NAME: G:\2010-proj\10467051\dwg\PlanSet\020302_cd & id.dwg PLOT DATE: Jan 22, 2016 - 12:59pm PLOT BY:owner PLOT NAME: Construction Details ORG. DATE: Jan 28, 1998 Originator: PLOT SCALE: WISDOT/CADDS SHEET 42





SECTION A - A

NOT TO SCALE



NOTE: TRANSITION SHOULDER SLOPE TO MATCH SIDE ROAD PROFILE PRIOR TO INTERSECTION

DETAIL FOR RURAL BASE AGGREGATE SIDE ROAD

NOT TO SCALE

* LENGTH TO BE DETERMINED BY LARGEST
SIDE ROAD RAD. (25' MIN.) OR LARGEST
DRIVEWAY RAD. (10' MIN.)

** LENGTH TO BE DETERMINED BY LARGEST
SIDE ROAD RAD. (25' MIN.) OR LARGEST
DRIVEWAY RAD. (10' MIN.)

** LENGTH TO BE DETERMINED BY LARGEST
SIDE ROAD RAD. (25' MIN.) OR LARGEST
DRIVEWAY RAD. (10' MIN.)

** LENGTH TO BE DETERMINED BY LARGEST
17'

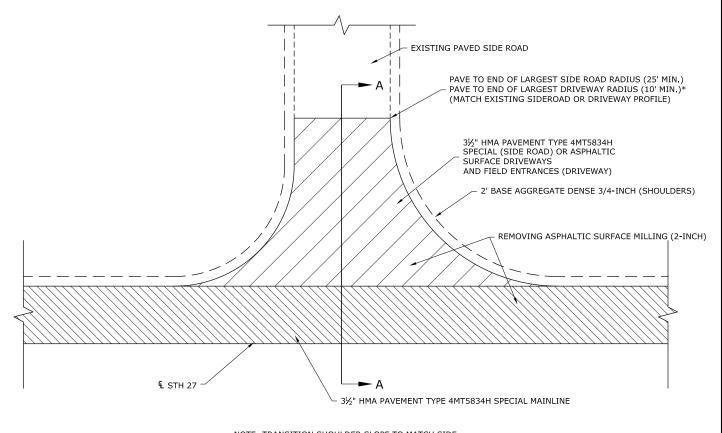
** CONTINUEMENT TYPE 4MT5834H
SPECIAL MAINLINE

** EXISTING ASPHALTIC PAVEMENT TO REMAIN
ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

SECTION A - A

NOT TO SCALE

* LIMITS AS DIRECTED BY THE ENGINEER



NOTE: TRANSITION SHOULDER SLOPE TO MATCH SIDE ROAD PROFILE PRIOR TO INTERSECTION

DETAIL FOR RURAL PAVED SIDE ROAD & DRIVEWAY

NOT TO SCALE

PROJECT NUMBER: 8150-20-60 HWY: STH 27 COUNTY: SAWYER INTERSECTION DETAILS SHEET NO:

FILE NAME: G:\2010-proj\10467051\dwg\PlanSet\020302_cd & id.dwg

PLOT DATE: Jan 22, 2016 - 01:01pm

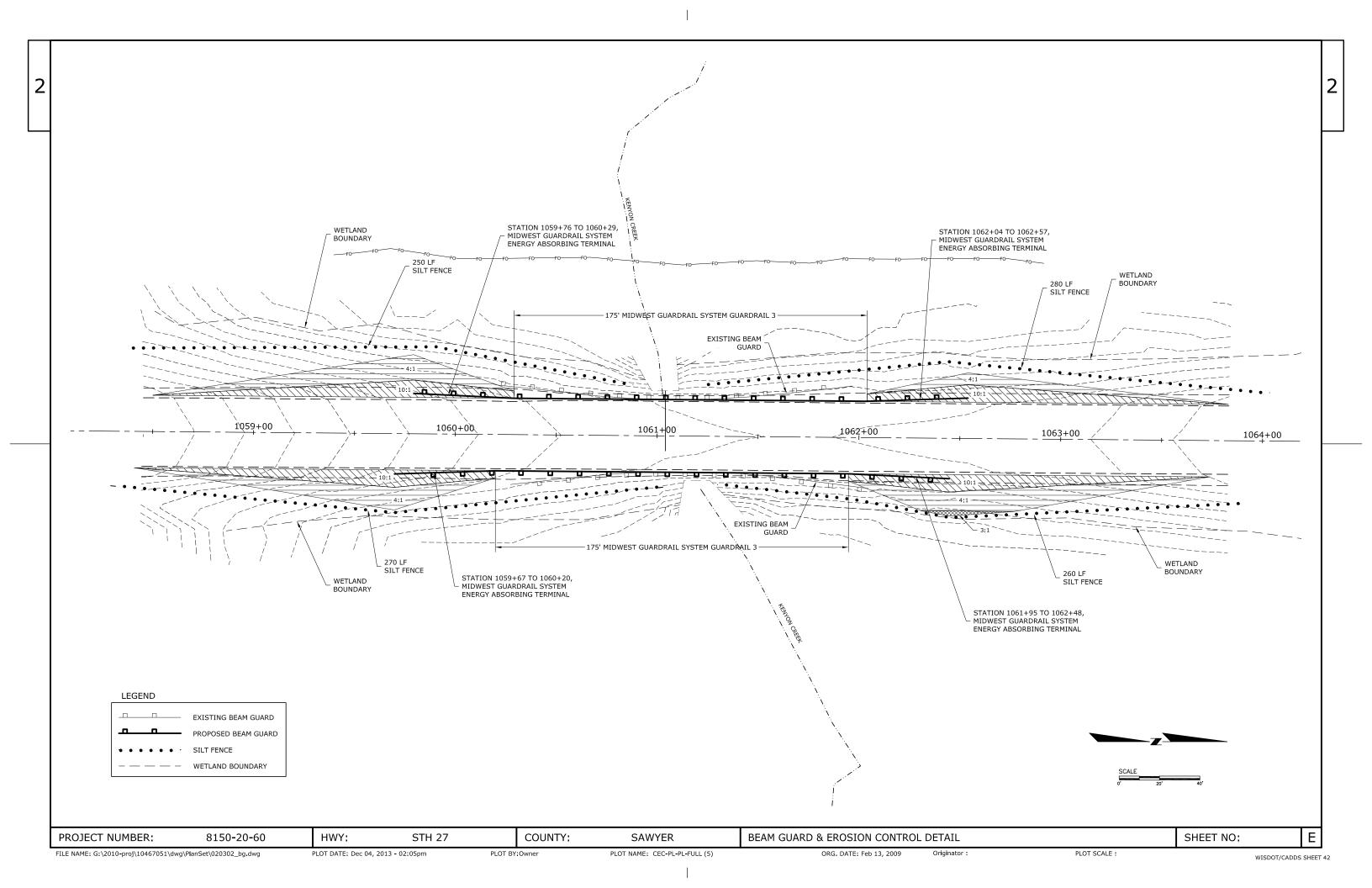
PLOT BY:owner

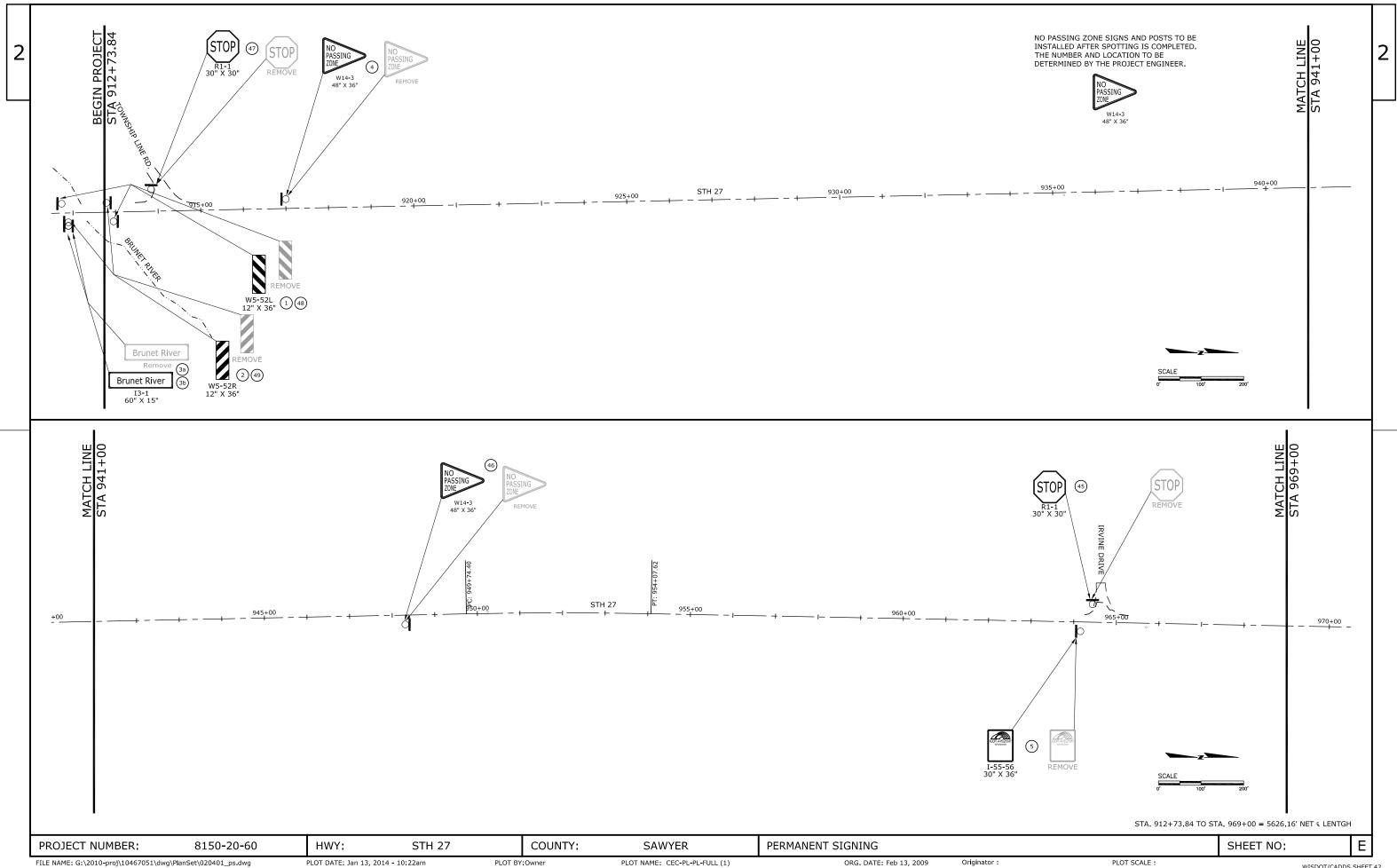
PLOT NAME: Intersection Details

ORG. DATE: Jan 28, 1998

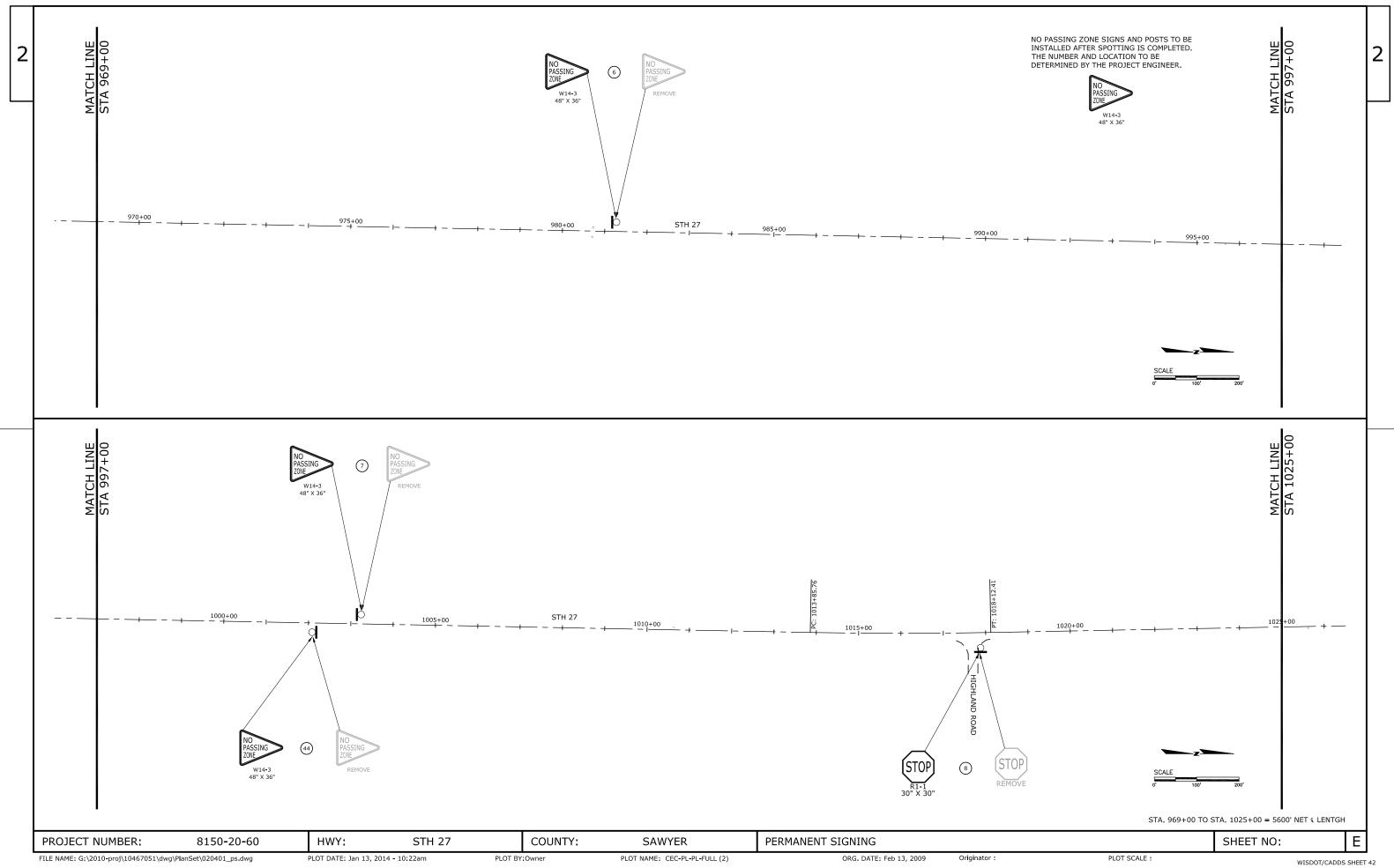
Originator :

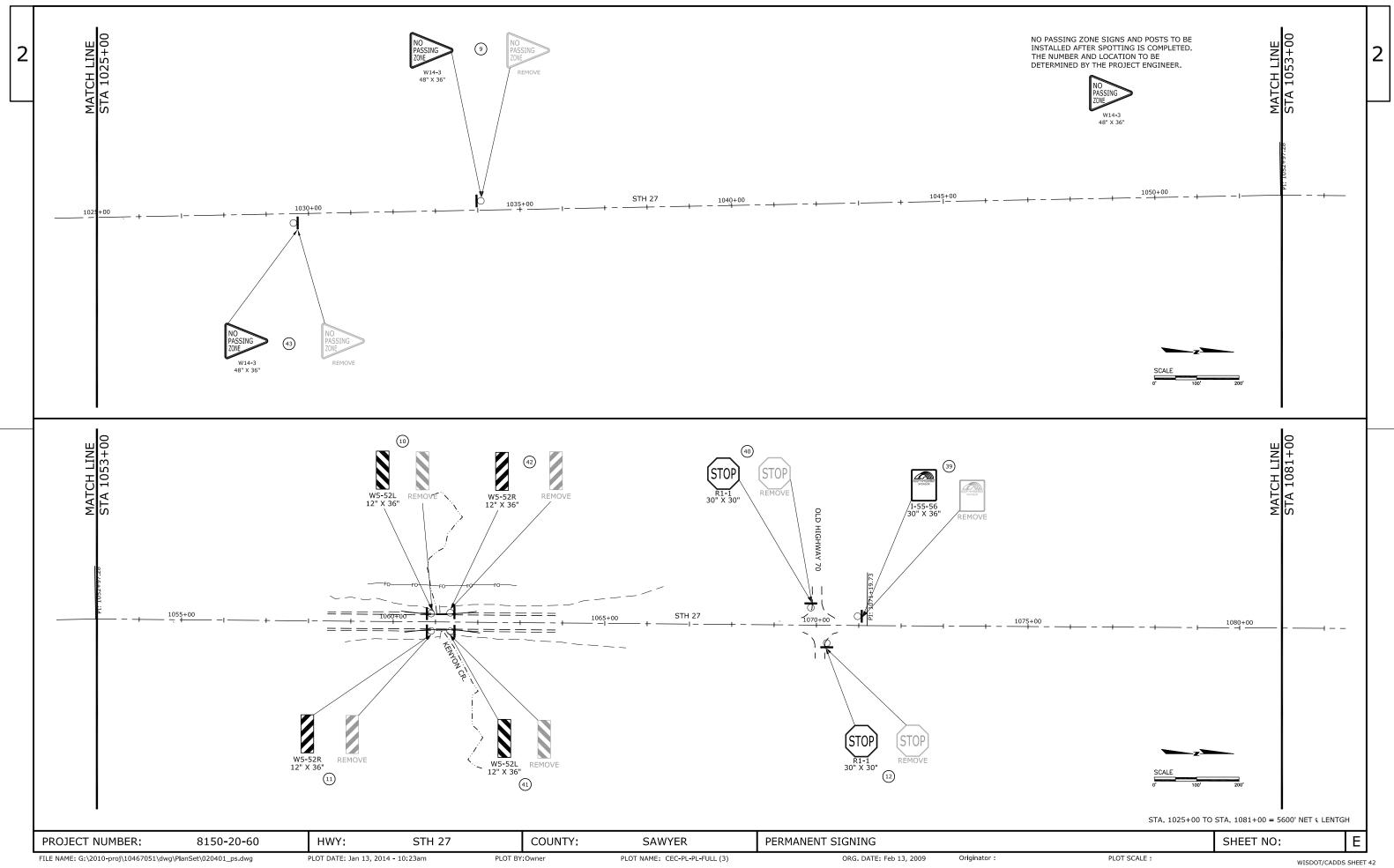
PLOT SCALE :

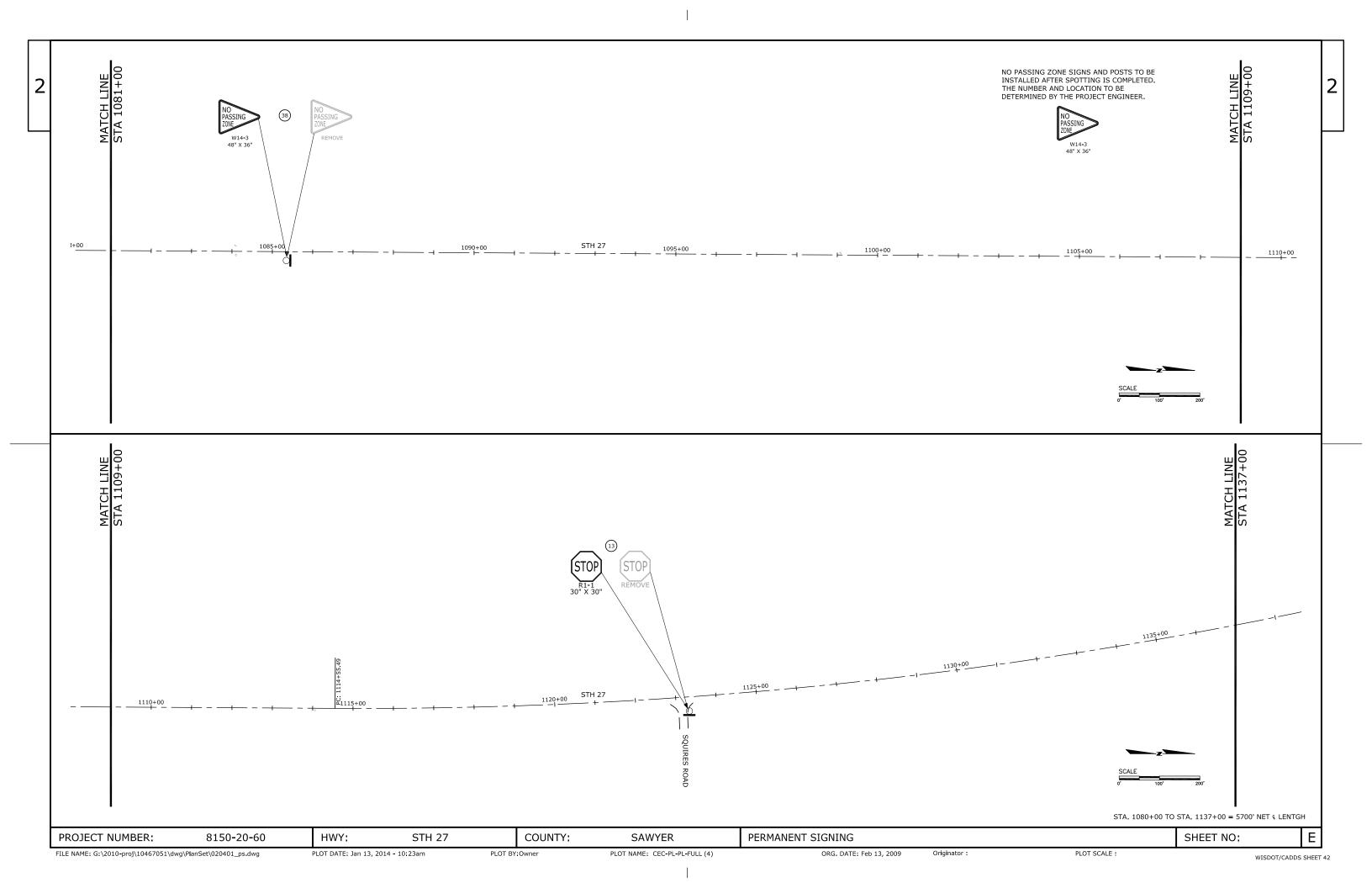


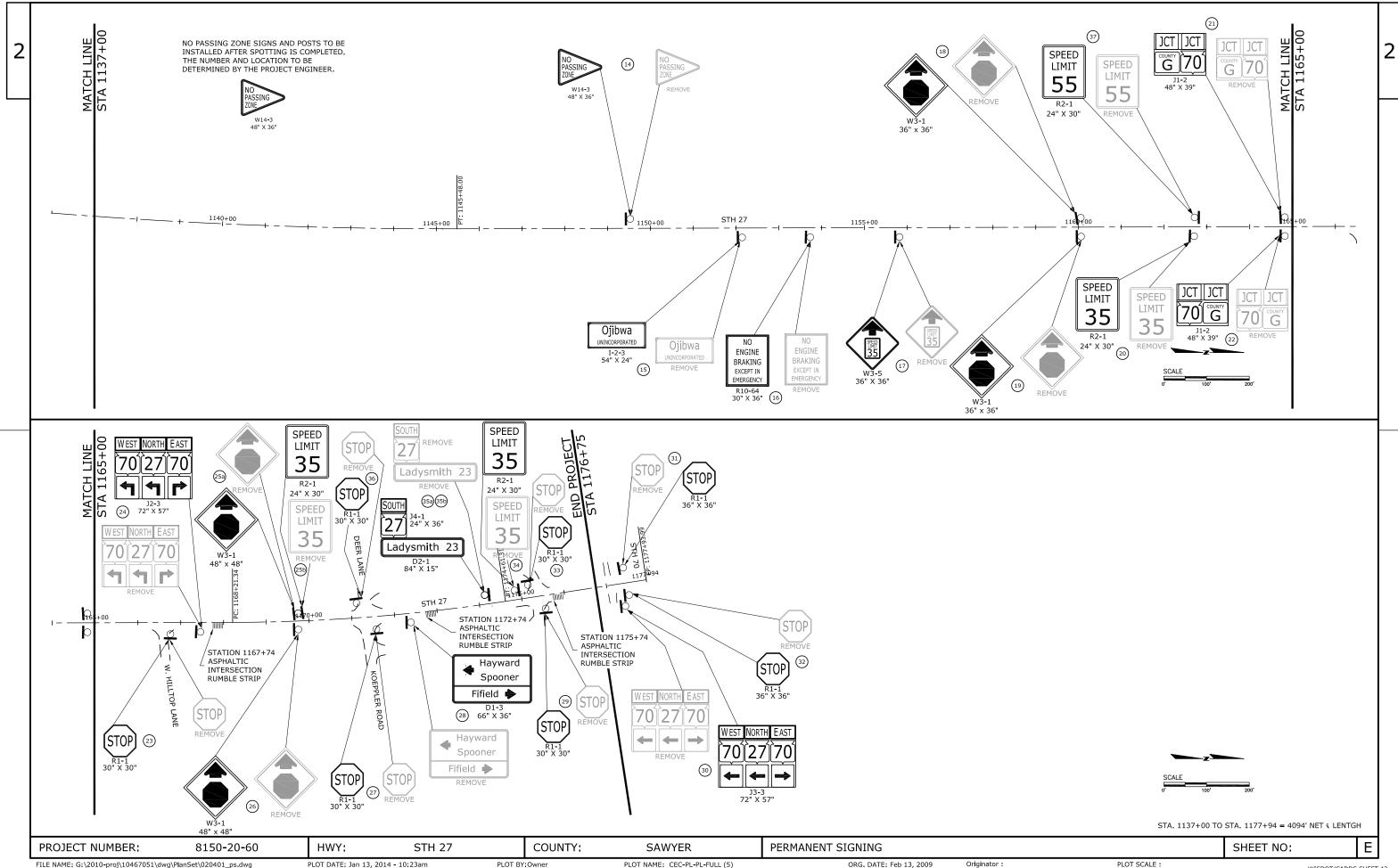


WISDOT/CADDS SHEET 42









WISDOT/CADDS SHEET 42

DATE 15	FEB16	E S T	IMAT	E OF QUAN	
LINE	LTEM	LTEM DESCRIPTION	LIMIT	TOTAL	8150-20-60
NUMBER		I TEM DESCRIPTION	UNIT	TOTAL	QUANTI TY
0010	204. 0115	Removing Asphaltic Surface Butt Joints	SY	150.000	150.000
0020	204. 0120	Removing Asphaltic Surface Milling	SY	101, 500. 000	101, 500. 000
0030	204. 0165	Removing Guardrail	LF	360. 000	360. 000
0040	211. 0100	Prepare Foundation for Asphaltic Paving	LS	1. 000	1. 000
0050	211. 0400	(project) 01. 8150-20-60 Prepare Foundation for Asphaltic	STA	8. 000	8. 000
	010 0100	Shoul ders			4 000
0060	213. 0100	Finishing Roadway (project) 01. 8150-20-60	EACH	1.000	1.000
0070	305. 0110	Base Aggregate Dense 3/4-Inch	TON	2, 450. 000	2, 450. 000
0800	305.0500	Shapi ng Shoul ders	STA	528. 000	528. 000
0090	440. 4410	Incentive IRI Ride	DOL	13, 200. 000	13, 200. 000
0100	455. 0605	Tack Coat	GAL	10, 050. 000	10, 050. 000
0110	460. 2000	Incentive Density HMA Pavement	DOL	15, 960. 000	15, 960. 000
	465. 0105	Asphaltic Surface	TON	15, 960, 000	15, 960, 000
0120	465. 0105		TON	50. 000	50. 000
0130		Asphaltic Surface Patching Asphaltic Surface Driveways and Field			
0140	465. 0120	Entrances	TON	150. 000	150. 000
0150	465. 0425	Asphaltic Shoulder Rumble Strips 2-Lane Rural	LF	49, 000. 000	49, 000. 000
		nui ui			
0160	465. 0450	Asphaltic Intersection Rumble Strips	SY	75. 000	75. 000
0170	465. 0475	Asphalt Center Line Rumble Strips 2-Lane Rural	LF	23, 200. 000	23, 200. 000
0190	614 0010		EACH	4.000	4 000
0180 0190	614. 0010 614. 2300	Barrier System Grading Shaping Finishing MGS Guardrail 3	LF LF	4. 000 125. 000	4. 000 125. 000
0200	614. 2340	MGS Guardrail 3 L	LF LF	225. 000	225. 000
0210	614. 2610	MGS Guardrail Terminal EAT	EACH	4. 000	4. 000
0220	619. 1000	Mobilization	EACH	1. 000	1. 000
0230	628. 1504	Silt Fence	LF	1, 060. 000	1, 060. 000
0240	628. 1520	Silt Fence Maintenance	LF	1, 060. 000	1, 060. 000
0250	628. 1905	Mobilizations Erosion Control	EACH	2. 000	2. 000
0260	628. 1910	Mobilizations Emergency Erosion Control	EACH	1. 000	1. 000
0270	634. 0618	Posts Wood 4x6-Inch X 18-FT	EACH	57. 000	57. 000
0280	637. 2210	Signs Type II Reflective H	SF	249. 520	249. 520
0290	637. 2230	Signs Type II Reflective F	SF	137. 000	137. 000
0300	638. 2602	Removing Signs Type II	EACH	52. 000	52. 000
0210			FACU	F7 000	F7 000
0310	638. 3000	Removing Small Sign Supports	EACH	57. 000	57. 000
0320	642. 5001	Field Office Type B	EACH	1. 000	1. 000
0330	643. 0100	Traffic Control (project) 01. 8150-20-60		1. 000	1. 000
0340	643. 0300		DAY	150.000	150.000
0350	643. 0900	Traffic Control Signs	DAY	1, 325. 000	1, 325. 000
0360	646. 0106	Pavement Marking Epoxy 4-Inch	LF	77, 600. 000	77, 600. 000
0370	646. 0406	Pavement Marking Same Day Epoxy 4-Inch	LF	24, 900. 000	24, 900. 000
0380	647. 0566	Pavement Marking Stop Line Epoxy 18-Inch		190.000	190. 000
0390	648. 0100	Locating No-Passing Zones	MI	5. 000	5. 000
0400	649. 0402	Temporary Pavement Marking Paint 4-Inch	LF	49, 800. 000	49, 800. 000
0410	650. 8000	Construction Staking Resurfacing Reference	LF	26, 400. 000	26, 400. 000
0420	650. 9910	Construction Staking Supplemental Control (project) 01. 8150-20-60	LS	1. 000	1. 000
0430	690. 0150	Sawing Asphal t	LF	500.000	500.000
0440	SPV. 0090	Special 01. Reheating HMA Pavement	LF	26, 400. 000	26, 400. 000
•		Longi tudi nal Joints Special		_3, .53. 555	, .55. 555
		Special 01. Material Transfer Vehicle	LS	1. 000	1. 000

				WI DTH	THI CVNI	:00	BUTT JOI NTS	REMOVI NG ASPHALTI C SURFACE MI LLI NG 204. 0120	PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS 211. 0400	TACK CO	AT SURFAC	TIC SURFAC CE PATCHI	NG ENTRANC	E YS LD SAWING ES ASPHALT		PAVEMENT	-				STATI ON LOCATI ON ANCHORAGE	*	* LL SALV.	* FERT.	OI NG SHAPI NG * SEEDI NG MI XTURE NO. 30	FI NI SHI NG * MULCHI NG	
_	ATEGORY S	STATION TO STATIC	ON SIDE	(FT)		LAYERS	SY	SY	STA	GAL	TON	TON	TON	LF	LF	TON		REMARKS		-	POST #1)	SI DE C	Y SY	CWT	LB	SY	EACH
	0010	912+74 - 1176+7 912+74 - 1176+7 912+74 - 1176+7 1176+75 UNDI STRI BUTED UNDI STRI BUTED UNDI STRI BUTED UNDI STRI BUTED UNDI STRI BUTED	75 LT/RT 75 LT/RT	24 10 34	2. 00 2. 00 3. 50	1	150 - - - - - -	70, 400 29, 300 - - 1, 800 - - -	- - - - 8 -	- 10,000 - 50 - - -	- - 0 - - - 150	- - - - - - 50	- - - - - - - 150	500 - - - - - -	26, 400 - - - - -	- 19,550 - 350 50 - -	STH 70 IN SIDE ROAD SHOULDER PROJECT W MINOR REP	& PAVED SHOULD TERSECTION S WIDENING AT BE IDE LEVELING A	AMGUARD ND WEDGING AT BUTT JOINTS		1059+90 I 1059+73 F 1062+45 I 1062+48 F	RT 34	4 230 6 170 0 260	0. 14 0. 13 0. 10 0. 15	4 4 3 4	240 230 170 260	1 1 1 1
1	0010	ONDI STRI BOTED				TOTAL	150	101, 500	8	10, 050	0 150	50	150	500	26, 400	19, 950	DIT VEWATS	AND TIELD ENT	MINOLO	-					OR INFORMAT	TION ONLY. SHAPING FINI	SHI NG.
-																		PAVEMENT MARKI NG EPOXY 4-I NCH	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	PAVEMENT MARKING ST LINE EPOX 18-INCH	OP LOCAT Y NO-PAS	ING SING MAI	TEMPORARY PAVEMENT RKING PAI 4-INCH				
				BASE AGGREGA DENSE	TE	HAPI NG	ASPHALTI SHOULDER	R ASPHAL	ASPI TIC CENTI CTION RUMBL						CATEGORY S	STATION TO STA	ATION SIDE	646. 0106 LF	646. 0406 LF	647. 0566 LF			649. 0402 LF		REMARKS		
	<u>CATEGOR</u> 0010 0010			3/4-I NO 305. 017 I TON 2, 450	CH SH 10 30			AL RUMBLE	STRI P 2-LAN 450 465 2			MARKS ITERSECTION	_		0010 0010 0010 0010 0010 0010 0010	927+75 - 933 933+55 - 94 947+81 - 980	5+75 LT 5+75 RT LT 7+75 LT/RT 3+55 LT/RT 7+81 LT/RT	26400 26400 - 1364 1160 1783 819	101 - - - 1364 1160 1783 819	- - 20 - - -	0.0 - - 0.2 0.1 0.2 0.6	1 1 7	201 - - 2728 2320 3565 1637	DASHE DOUBL SOLI D DASHE	LINE LINE SHIP LINE R ED LT, SOLI LE YELLOW) LT, DASHE	D RT	
	0	0010 1060+20 0010 1060+20 0010 1059+61	N TO STA 0 - 1061- 9 - 1062- 7 - 1060- 6 - 1060-	+95 F +04 I +20 F	<u>(</u>	SUARDRAI L	3	MGS GUARDRAI L 3 L 614. 2340 LF 112. 5 112. 5	MGS GUARDRAI L TERMI NAL EAT 614. 2610 EACH 1	CULVER	REMARKS T SPAN 18' T SPAN 18'				0010 0010 0010 0010 0010 0010 1 0010 1 0010 1 0010 1 0010 1 0010 1 0010 1 0010 1 0010 1 0010 1 0010 1	964+60 980+55 - 98' 987+41 - 99' 992+69 - 100' 001+67 - 100' 003+25 - 101' 016+98 - 102' 017+80 029+12 - 103' 033+87 - 104' 048+13 - 107' 070+00 070+20 071+36 - 108' 085+09 - 114' 123+20 149+51 - 116' 163+24 - 117'	7+41 LT/RT 2+69 LT/RT 11+67 LT/RT 13+25 LT/RT 6+98 LT/RT 19+12 LT/RT LT 13+87 LT/RT 8+13 LT/RT 1+36 LT/RT LT RT 15+09 LT/RT RT 15+09 LT/RT RT 13+24 LT/RT	- 858 132 1123 40 1715 1518 - 119 1783 4645 - - 1716 1611 - 1715 2702	- 858 132 1123 40 1715 1518 - 119 1783 4645 - 1716 1611 - 1715 2702	15 - - - - 15 - - 15 - - 15 - -	- 0. 1 0. 1 0. 1 0. 0 0. 2 0. 2 - 0. 0 0. 2 0. 4 0. 2 1. 2 0. 2	0 7 3 6 3 9 7 4	- 1715 264 2245 79 3431 3035 - 238 3565 9290 - - 3433 3221 - 3431 5404	DASHE DASHE SOLIT DASHE SOLIT HI GHL DASHE DOUBL OLD H SOLIT SOLIT SOLIT DASHE	ED LT, SOLI ED O LT, DASHE ED ED LT, SOLI O LT, DASHE LAND ROAD ED LT, SOLI LE YELLOW HIGHWAY 70 O LT, DASHE	D RT D RT D RT D RT	
	000000000000000000000000000000000000000	0010 1060+20 0010 1060+20 0010 1059+6 0010 1059+70 0010 1061+98	0 - 1061- 9 - 1062- 7 - 1060- 6 - 1060- 5 - 1062- 4 - 1062-	+95 F +04 I +20 F +29 I +48 F +57 I	ATION RT LT RT RT LT RT RT LT RT	SUARDRAI L 204. 0165 LF 180 180 - - - -	GUARDRAI L 3 614. 2300 LF 62. 5	112. 5 112. 5 125 225	GUARDRAI L TERMI NAL EAT 614. 2610 EACH	CULVER'	T SPAN 18' T SPAN 18'		AFFIC CONTR 643. 03	00	0010 0010 0010 0010 0010 0010 0010 1	980+55 - 98' 987+41 - 99' 987+41 - 99' 992+69 - 100' 001+67 - 100' 003+25 - 101' 017+80	7+41 LT/RT 2+69 LT/RT 11+67 LT/RT 13+25 LT/RT 6+98 LT/RT 19+12 LT/RT 13+87 LT/RT 14+36 LT/RT 1+36 LT/RT 15+09 LT/RT 15+09 LT/RT 15+09 LT/RT 15+09 LT/RT 15+09 LT/RT 15-04 LT/RT 15-05 LT/R	858 132 1123 40 1715 1518 - 119 1783 4645 1716 1611 - 1715 2702 77600	858 132 1123 40 1715 1518 - 119 1783 4645 - 1716 1611 - 1715	- - - - 15 - - 15 15 - - 15	0. 1 0. 1 0. 0 0. 2 0. 2 0. 0 0. 2 0. 4 - - 0. 2 1. 2	0 7 3 6 3 9 7 4 6 2 6 6	1715 264 2245 79 3431 3035 - 238 3565 9290 - - 3433 3221 - 3431 5404 - - - - -	DASHE DASHE SOLITE DASHE SOLITE HI GHL DASHE DOUBL OLD H OLD H SOLITE DASHE SOUIF DASHE SOUIF FRONT FRONT STH 2	ED LT, SOLI ED D LT, DASHE ED D LT, SOLI D LT, SOLI ED	ED RT	
		0010 1060+20 0010 1060+20 0010 1059+6 0010 1059+76 0010 1061+99 0010 1062+04 TEGORY STATIO 0010 1058+3 0010 1058+3	0 - 1061- 9 - 1062- 7 - 1060- 6 - 1062- 5 - 1062- 4 - 1062- 0N TO STA	+95 F +04 L +20 F +29 L +48 F +57 TOTAL ATION SII 50+85 L' 51+05 R'	ATION RT LT RT LT RT LT RT LT COO10 6: DE T T	SUARDRAI L 204. 0165	GUARDRAI L 3 614. 2300	112. 5 112. 5 125 225	GUARDRAI L TERMI NAL EAT 614. 2610 EACH - - 1 1 1 1	CULVER CULVER	T SPAN 18' T SPAN 18' ATEGORY [DAYS 5			0010 0010 0010 0010 0010 0010 1	980+55 - 98' 987+41 - 99' 987+41 - 99' 992+69 - 100' 001+67 - 100' 003+25 - 101' 016+98 - 102' 017+80 - 103' 033+87 - 104' 048+13 - 107' 070+00 - 070+20 - 114' 123+20 - 149+51 - 116' 163+24 - 117' 166+60 - 171+20 - 171+40 - 175+30 - 175+50 - 177+40 - 175+50 - 175+50 - 177+40 - 175+50 - 175+	7+41 LT/RT 2+69 LT/RT 11+67 LT/RT 13+25 LT/RT 6+98 LT/RT 19+12 LT/RT 13+87 LT/RT 14+36 LT/RT 15+09 LT/RT 19+51 LT/RT RT 15+09 LT/RT RT 15+09 LT/RT RT 15+09 LT/RT RT LT/RT RT LT/RT RT LT/RT RT LT/RT RT LT RT LT RT LT RT LT RT LT RT RT LT RT	858 132 1123 40 1715 1518 - 119 1783 4645 - 1716 1611 - 1715 2702 77600	858 132 1123 40 1715 1518 - 119 1783 4645 - 1716 1611 - 1715 2702		0. 1 0. 1 0. 1 0. 0 0. 2 0. 2 0. 0 0. 2 0. 4 0. 2 1. 2 - 0. 2 0. 2 5. 0	ON TO S	1715 264 2245 79 3431 3035 - 238 3565 9290 - 3433 3221 - 3431 5404 - - - - - - 49800	DASHE DASHE SOLIT DASHE SOLIT HI GHI DASHE DASHE DOUBL OLD H SOLIT DASHE DOUBL W. HI DEER KOEPF FRONT FRONT STH 2	ED LT, SOLI ED D LT, DASHE ED D LT, DASHE ED LT, SOLI D LT, DASHE LAND ROAD ED LT, SOLI LE YELLOW HI GHWAY 70 HI GHWAY 70 D LT, DASHE ED RES ROAD ED LT, SOLI LE YELLOW LLTOP LANE LANE PALE LANE PALE LANE PALE TION CONSTR G STAH ING SUPPLEI CE CONT ING SUPPLEI CE CON	D RT	
	CA*	0010 1060+20 0010 1060+20 0010 1059+6 0010 1059+76 0010 1061+99 0010 1062+04 0010 1058+3 0010 1058+3 0010 1058+3 0010 1061+2	0 - 1061- 9 - 1062- 7 - 1060- 6 - 1062- 5 - 1062- 4 - 1062-	+95 F +04 I +20 F +29 I +48 F +57 I TOTAL ATI ON SII 50+85 L 51+05 R 54+05 L 53+95 R	ATION RT LT RT LT RT LT RT LT G 6 DE T T T	SILT FENCE 28. 1504 LF 250 270 280 260	GUARDRAI L 3 614. 2300	112. 5 112. 5 125 225	GUARDRAI L TERMI NAL EAT 614. 2610 EACH - - 1 1 1 1	CULVER	T SPAN 18' T SPAN 18' ATEGORY [0010 0010	DAYS	643. 030 #DRUMS	DAYS	0010 0010 0010 0010 0010 0010 1 0010	980+55 - 98' 987+41 - 99' 987+41 - 99' 992+69 - 100' 001+67 - 100' 003+25 - 101' 016+98 - 102' 017+80 - 103' 033+87 - 104' 048+13 - 107' 070+00 - 070+20 - 114' 23+20 - 149+51 - 116' 163+24 - 117' 166+60 - 171+20 - 171+40 - 175+50 - 177+40 - 175+5	7+41 LT/RT 2+69 LT/RT 11+67 LT/RT 13+25 LT/RT 6+98 LT/RT 19+12 LT/RT 13+87 LT/RT 13+81 LT/RT 14+36 LT/RT 15+09 LT/RT 15+09 LT/RT 15+09 LT/RT 15+09 LT/RT 15+09 LT/RT 16+75 LT/RT 17 17 18 17 18 17 18 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	858 132 1123 40 1715 1518 - 119 1783 4645 - 1716 1611 - 1715 2702 77600	858 132 1123 40 1715 1518 - 119 1783 4645 - 1716 1611 - 1715 2702	- - - - 15 - - 15 15 - - 15 15 15 15 15 15 20	0. 1 0. 1 0. 1 0. 0 0. 2 0. 2 0. 0 0. 2 0. 4 0. 2 1. 2 - 0. 2 0. 2 5. 0	0 7 3 6 3 9 7 4 6 6 2 6 6 6	1715 264 2245 79 3431 3035 - 238 3565 9290 - 3433 3221 - 3431 5404 - - - - - - 49800	DASHE DASHE SOLITE DASHE SOLITE HI GHL DASHE DOUBL OLD H OLD H SOLITE DASHE SQUIF DASHE SQUIF DASHE SQUIF DASHE SQUIF CONSTRUCT STAKIN RESURFAC REFEREN 650. 800	ED LT, SOLI ED D LT, DASHE ED D LT, DASHE ED D LT, SOLI D LT, SOLI ED ED LT, SOLI E YELLOW HIGHWAY 70 HIGHWAY 70 HIGHWAY 70 ED LT, SOLI E YELLOW LT, DASHE ED EE CD RES ROAD ED LT, SOLI E YELLOW LLTOP LANE LANE PLER ROAD FAGE R	D RT	

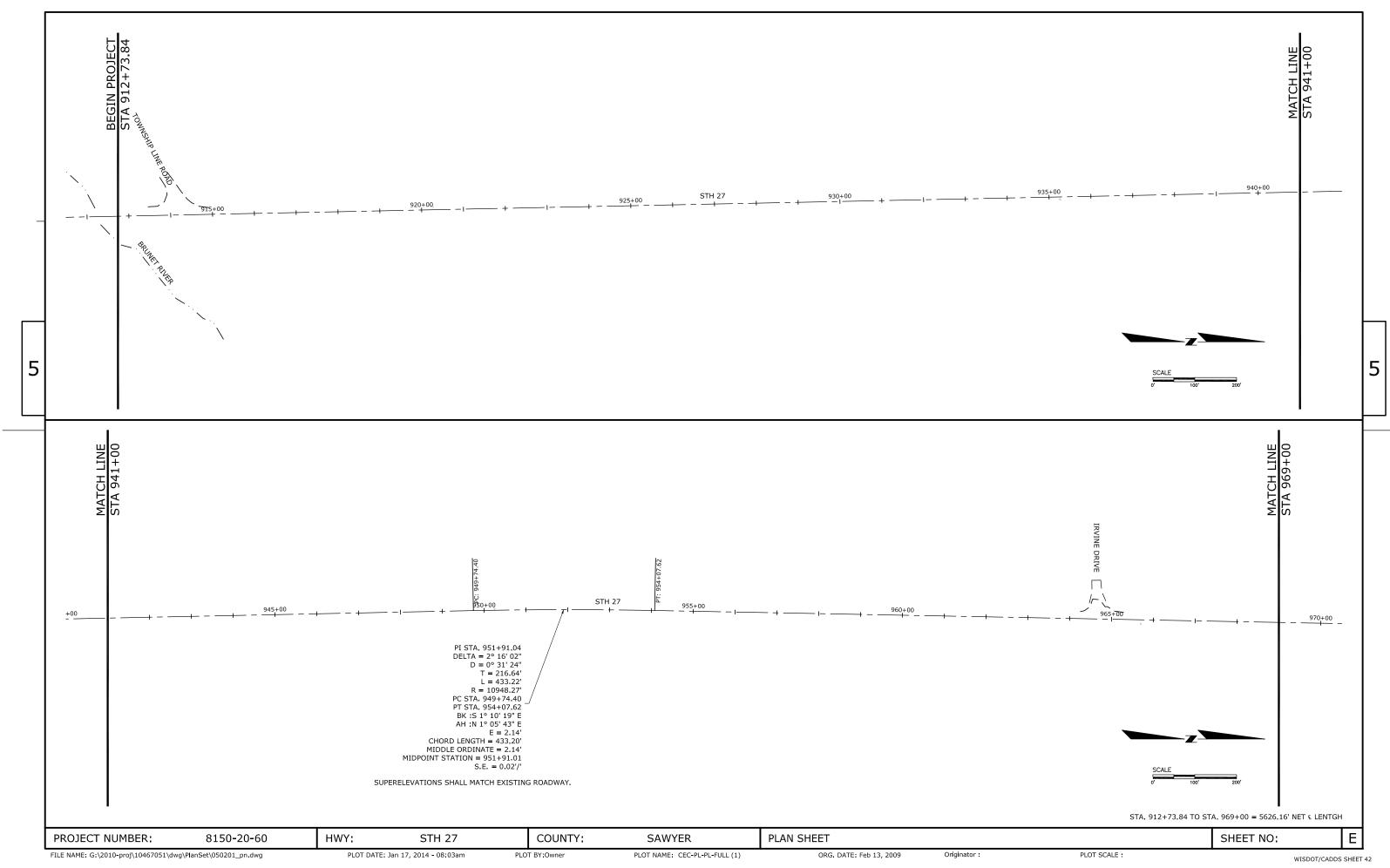
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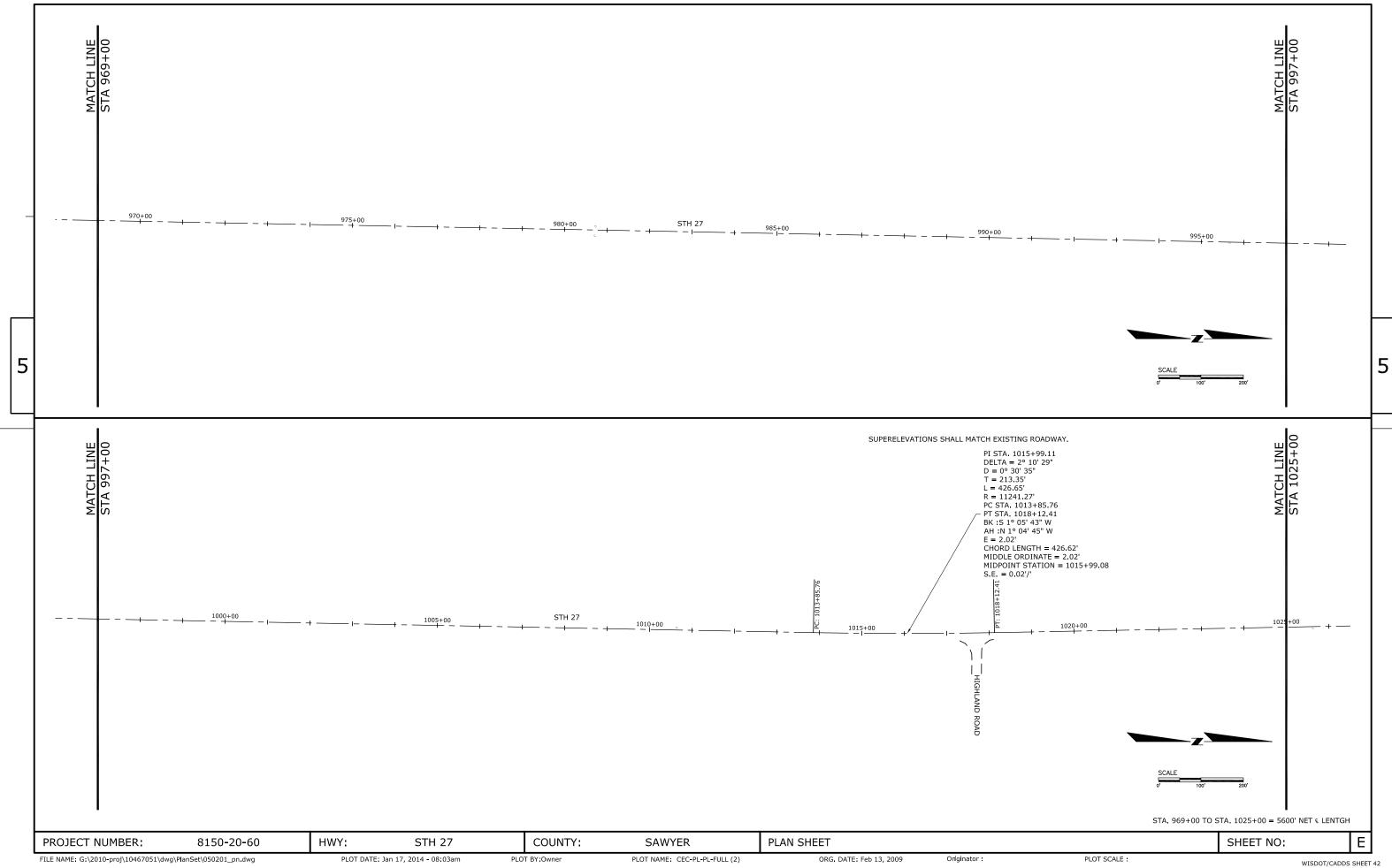
Category		Station Station	Position Side	Code Sign Code	Description Description		Height Height		SIGNS TYPE II REFLECTIVE F	Line Order 1	Line Order 2 Sign Message	Line Order 3	POSTS WOOD 4X6-INCH X 18-FT	SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS
	(#)							637.2210	637.2230				634.0618	638.2602	638.3000
		Northbound						SF	SF	Line Order 1	Line Order 2	Line Order 3	EA	EA	EA
0010	1	911+74	Left		Clearance Striper Down Right	12	36		3.00				1	1 1	1
0010	2 3a	911+89 911+89	Right Right	VV 5-52-R I-3-1	Clearance Striper Down Left Lake or River Name - Stencil Message	12 60	36 15	6.25	3.00	Brunet River			2	1	1 2
0010 0010	4	917+09	Left	W14-3	No Passing Zone	48	36	0.23	6.00	Didnet River			1	1	1
0010	5	964+15	Right	I-55-56	Adopt-A-Highway [Sponsor]	30	36	7.50	0.00				1	1	1
0010	6	981+27	Left	W14-3	No Passing Zone	48	36	7.00	6.00				1	1	1
0010	7	1003+24	Left	W14-3	No Passing Zone	48	36		6.00				1	1	1
0010	8	1017+87	Right	R1-1	Stop	30	30	5.18					1	1	1
0010	9	1034+07	Left	W14-3	No Passing Zone	48	36		6.00				1	1	1
0010	10	1060+90	Left	W5-52-L	Clearance Striper Down Right	12	36		3.00				1	1	1
0010	11	1060+90	Right	W5-52-R	Clearance Striper Down Left	12	36		3.00				1	1	1
0010	12	1070+25	Right	R1-1	Stop	30	30	5.18					1	1	1
0010	13	1123+31	Right	R1-1	Stop	30	30	5.18					1	1	1
0010	14	1149+53	Left	W14-3	No Passing Zone	48	36		6.00				1	1	1
0010	15	1152+14	Right	I-2-3	Community Population Name Sign	54	24	9.00		Ojibwa	Unincorporated		2	1	2
0010	16	1153+72	Right	R10-64	No Engine Breaking Except in Emergency	30	36	7.50		Ojibwa			1	1	1
0010	17	1155+81	Right	W3-5	Speed Limit _ Ahead [Arrow]	36	36		9.00	35			1	1	1
0010	18	1160+06	Left	W3-1	Stop Ahead	36	36		9.00				1	1	1
0010	19	1160+06	Right	W3-1	Stop Ahead	36	36		9.00				1	1	1
0010	20	1162+70	Right	R2-1	Speed Limit _ MPH	24	30	5.00		35	0.70		1	1	1
0010	21	1164+82	Left	J1-2	Junction or End Assembly (2 Headed Panel)	48	39	13.00		Jct Jct	G 70		1	1	1
0010	22	1164+82	Right	J1-2	Junction or End Assembly (2 Headed Panel)	48	39	13.00		Jct Jct	70 G		1	1 1	1 1
0010	23 24	1166+75 1167+46	Right	R1-1 J2-3	Stop Directional Assembly (3 Headed Panel)	30 72	30 57	5.18 28.50		WEST NORTH EAST	70 27 70	(LT) (LT) (RT)	1	1	1
0010	25a	1169+74	Right Left	W3-1	Stop Ahead	48	48	28.50	16.00	WEST NORTH EAST	70 27 70	(LI) (LI) (KI)	2	1	2
0010 0010	26	1169+74	Right	W3-1	Stop Ahead	48	48		16.00				2	1	2
0010	27	1171+55	Right	R1-1	Stop	30	30	5.18	10.00				1	1	1
0010	28	1171+36	Right	D1-3	Triple Destination/Arrow	66	36	16.50		(LA) Hayward	(LA) Spooner	Fifield (RA)	1	1	1
0010	29	1175+51	Right	R1-1	Stop	30	30	5.18		(2.1)	(2.1) 00001101		1	1	1
0010	30	1177+47	Right	J3-3	Directional Assembly (3 Headed Panel)	72	57	28.50		West North East	70 27 70	(LA) (LA) (RA)	2	1	2
0010	31	1177+49	Left	R1-1	Stop	36	36	7.46				() () ()	2	1	2
0010	32	1177+49	Right	R1-1	Stop	36	36	7.46					2	1	2
		Southbound			·										
0010	33	1175+18	Left	R1-1	Stop	30	30	5.18					1	1	1
0010	34	1174+86	Left	R2-1	Speed Limit _ MPH	24	30	5.00		35			1	1	1
0010	35a	1174+15	Left	D2-1	Destination/Distance (One) with Die Cut Letters	78	15	8.12		Ladysmith 23			2	1	2
0010	35b	1174+15	Left	J4-1	Reassurance Assembly (1 head route panel)	24	36	6.00		South	27		0	1	0
0010	36	1171+13	Left	R1-1	Stop	30	30	5.18					1	1	1
0010	25b	1169+74	Left	R2-1	Speed Limit _ MPH	24	30	5.00		35			0	1	0
0010	37	1162+70	Left	R2-1	Speed Limit _ MPH	24	30	5.00		55			1	1	1
0010	38	1085+34	Right	W14-3	No Passing Zone	48	36		6.00				1	1	1
0010	39	1070+97	Left	I-55-56	Adopt-A-Highway [Sponsor]	30	36	7.50					1	1	1
0010	40	1069+86	Left	R1-1	Stop	30	30	5.18					1	1	1
0010	41	1061+34	Right		Clearance Striper Down Right	12	36		3.00				1	1	1
0010	42	1061+34	Left		Clearance Striper Down Left	12	36		3.00				1	1	1
0010	43	1029+64	Right	W14-3	No Passing Zone	48	36		6.00				1	1	1
0010	44	1002+09	Right	W14-3	No Passing Zone	48	36 30	E 10	6.00				1	1	1
0010	45	964+43	Left	R1-1	Stop	30	30	5.18	4.00				1	1	1
0010	46 47	948+30	Right	W14-3	No Passing Zone	48	36 20	E 10	6.00				1	1 1	1
0010	47	913+84	Left	R1-1	Stop Clearance Striper Down Bight	30	30	5.18	2.00				1	1	•
0010	48 40	912+95 912+79	Right		Clearance Striper Down Right Clearance Striper Down Left	12 12	36 36		3.00 3.00				1	1	1 1
0010	49 3b	912+79 911+89	Left Right	W5-52-R I-3-1	Lake or River Name - Stencil Message	60	36 15	6.25	3.00	Brunet River			0	1 1	0
0010		711+07	Nigitt	1-0-1	Lake of Kiver Name - Stellell Message	50	10	0.20		Pranet KIVEI				l I	U

NOTE: STATIONING SHOWN FOR ALL SIGNS IS APPROXIMATE, LAYOUT AND ACTUAL PLACEMENT SHALL BE DONE BY THE CONTRACTOR IN ACCORDANCE WITH THE MUTCD.

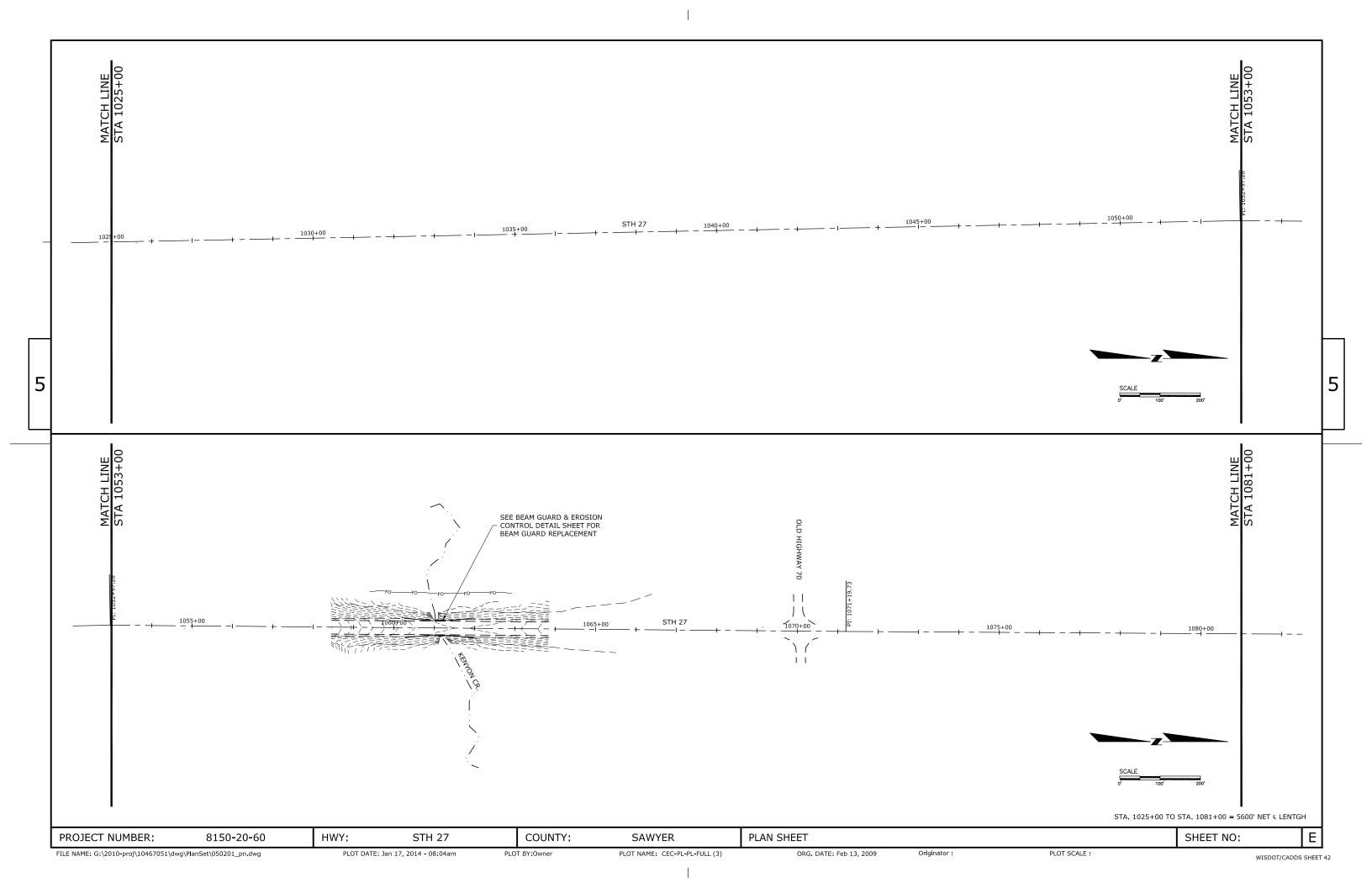
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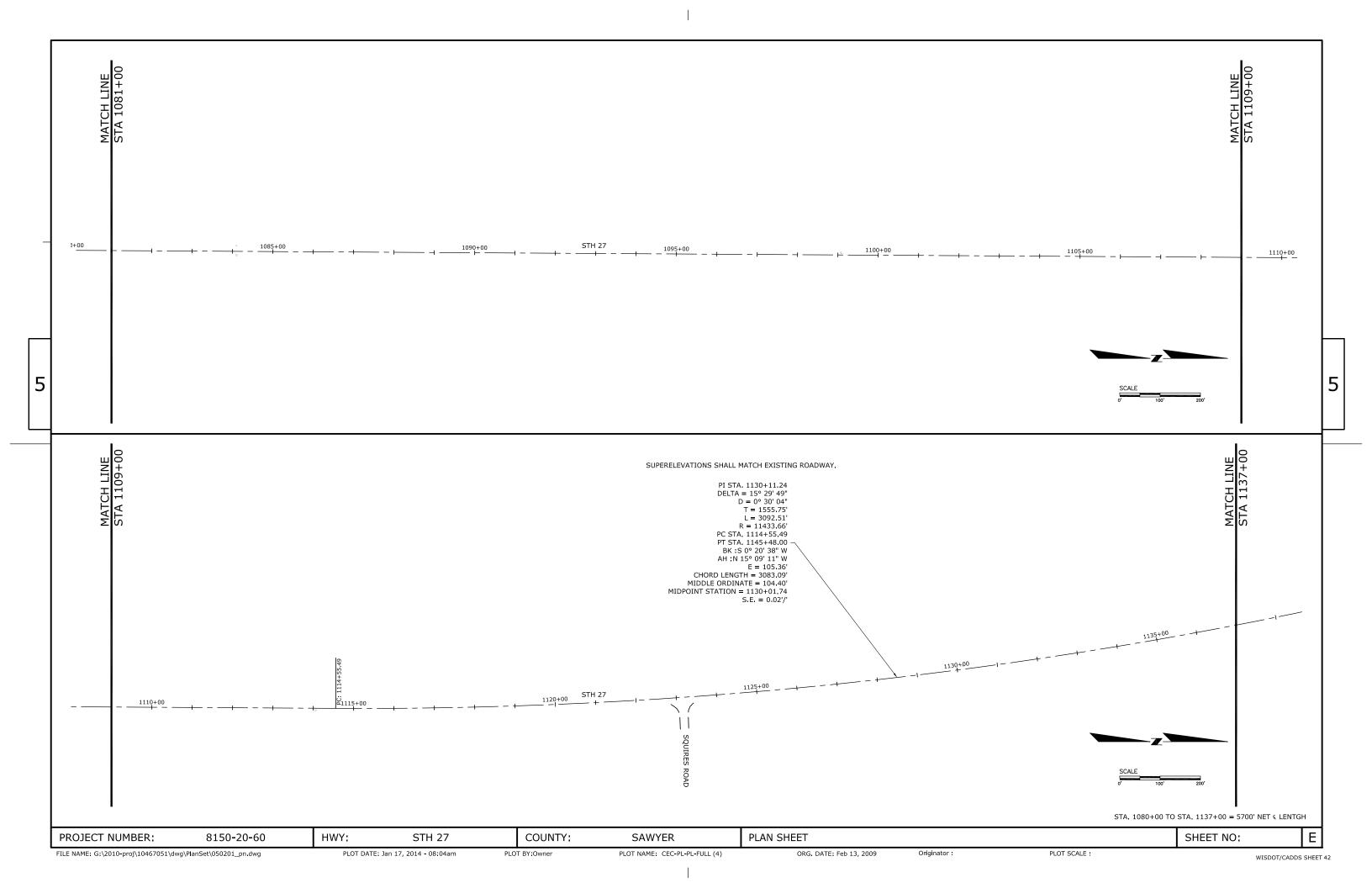
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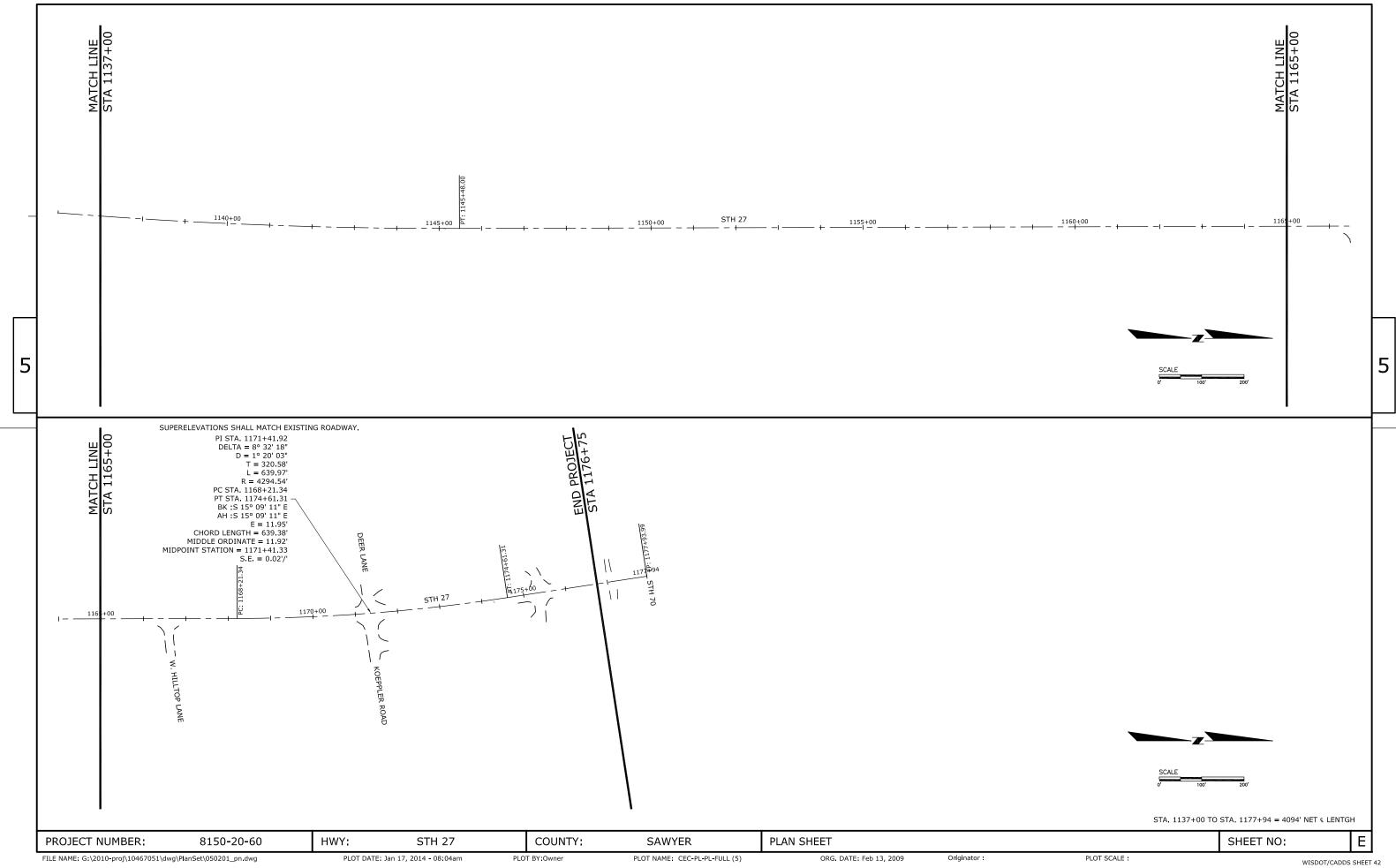




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Standard Detail Drawing List

08E09-06	SILT FENCE
13A08-01	ASPHALTIC RUMBLE STRIPS AT INTERSECTION
13A10-01A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-01B	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-01C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-01D	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B42-03A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-03A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-03B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-03C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-02A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-03	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
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

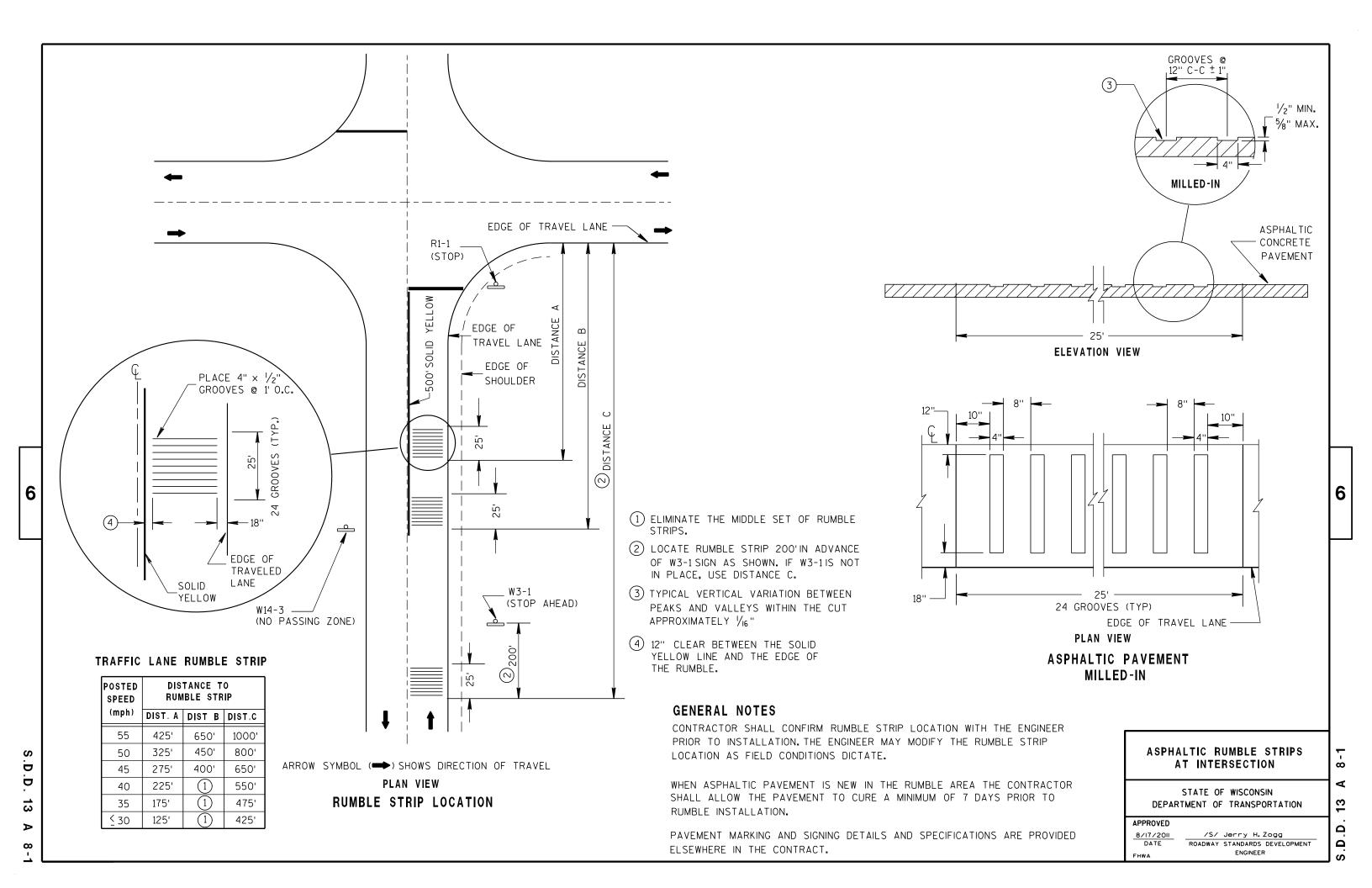
APPROVED
4-29-05 /S/ Beth Cannestra

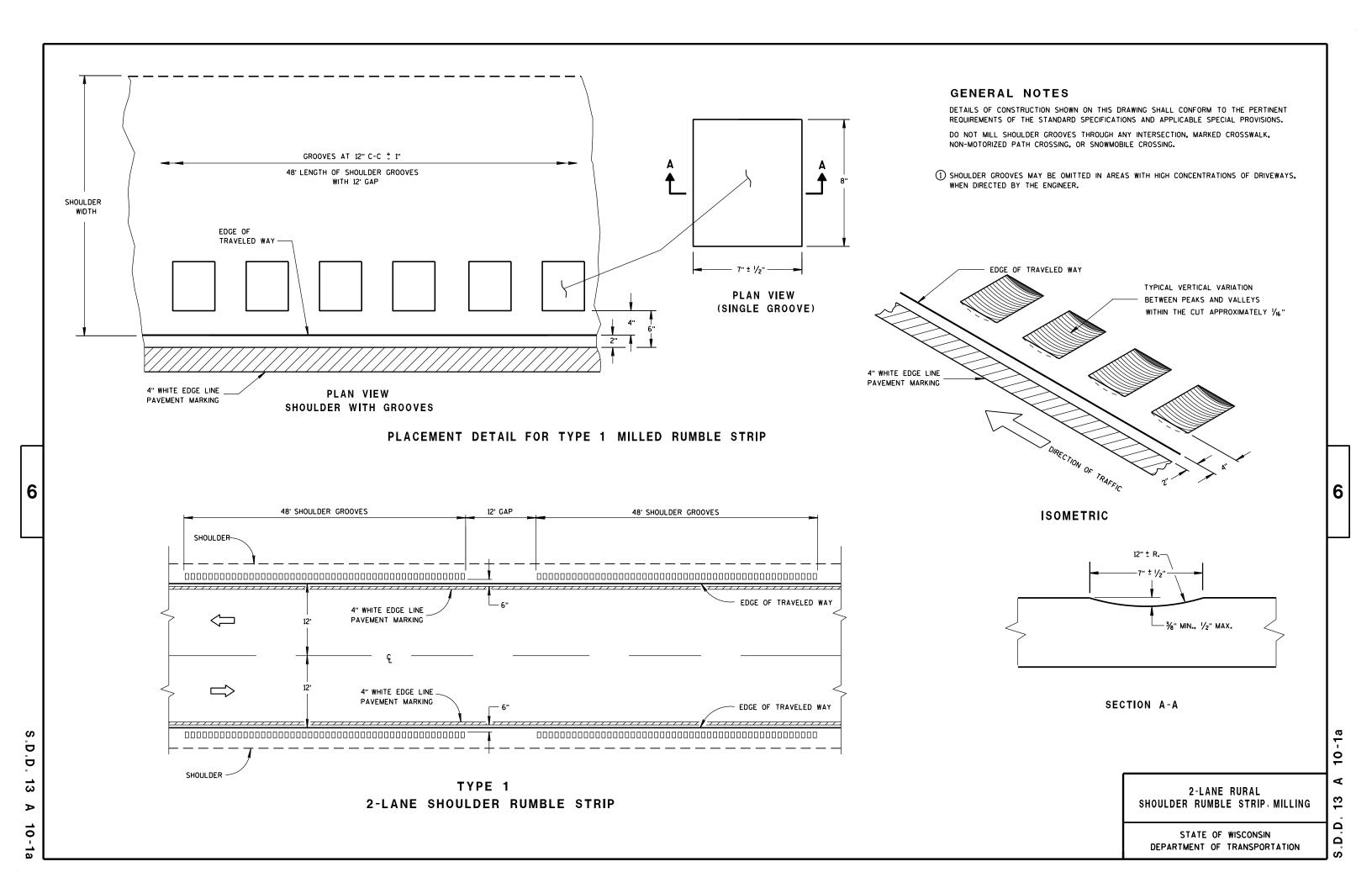
29-05 /S/ Beth Cannestra
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

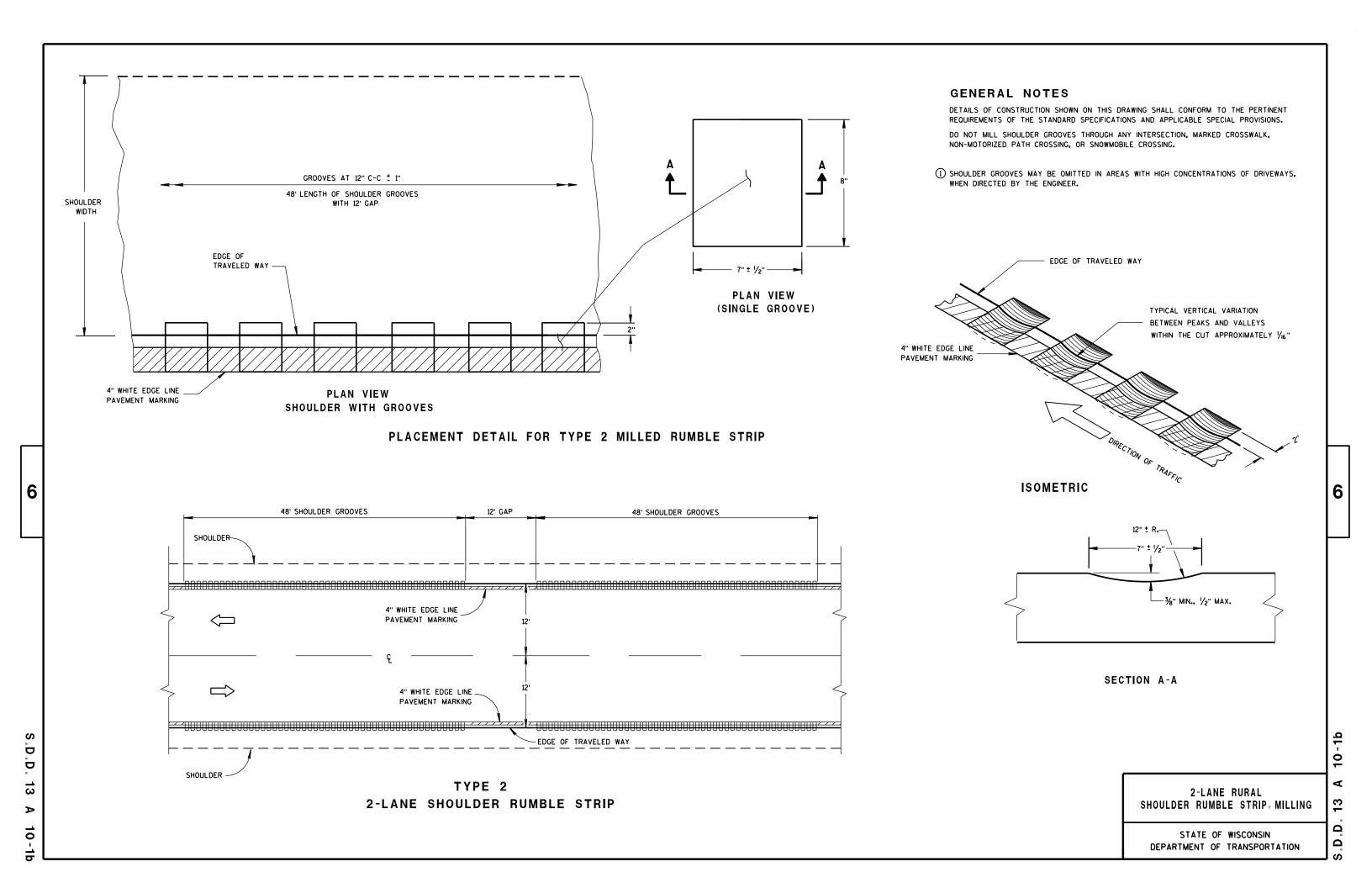
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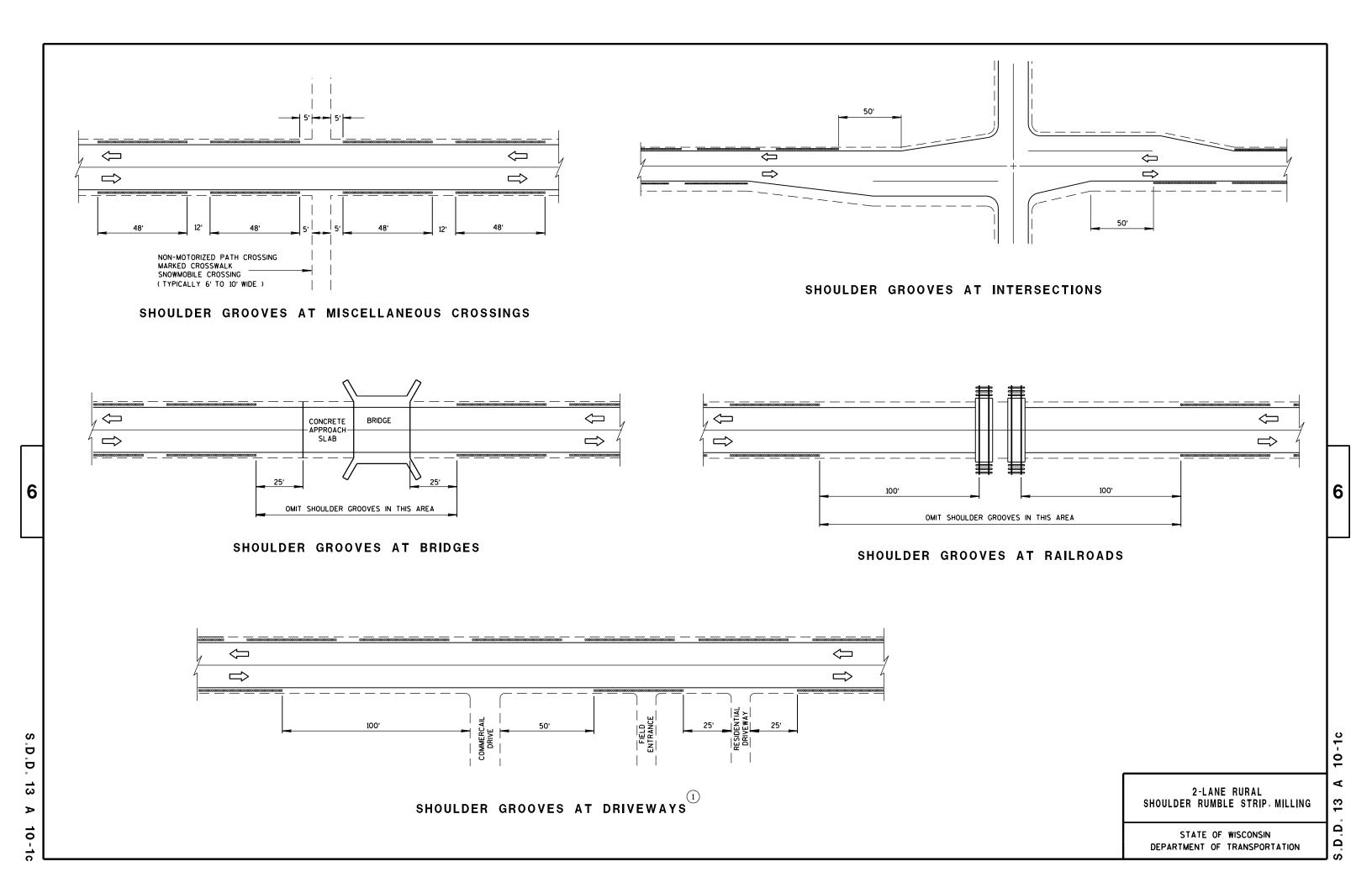
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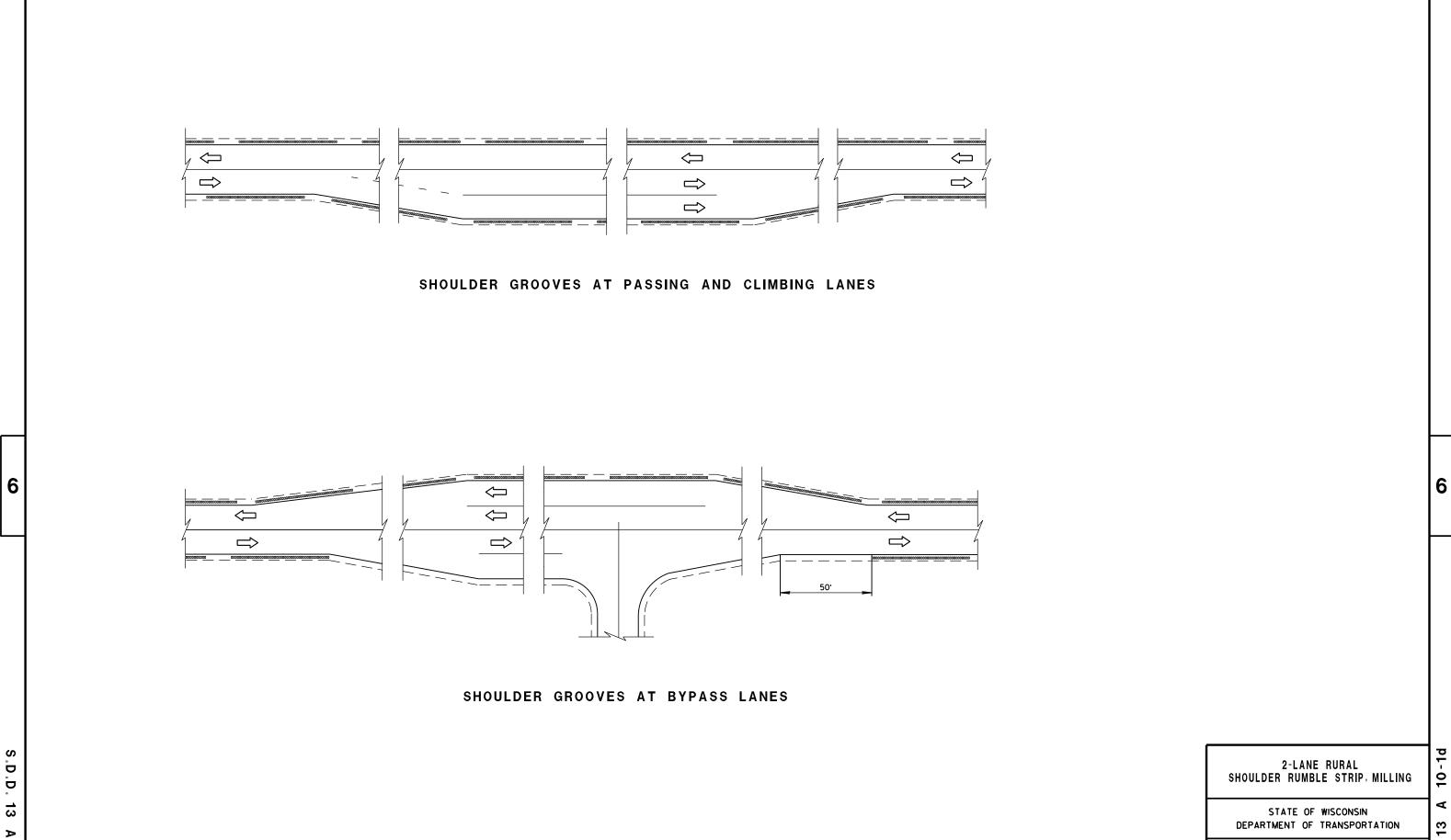
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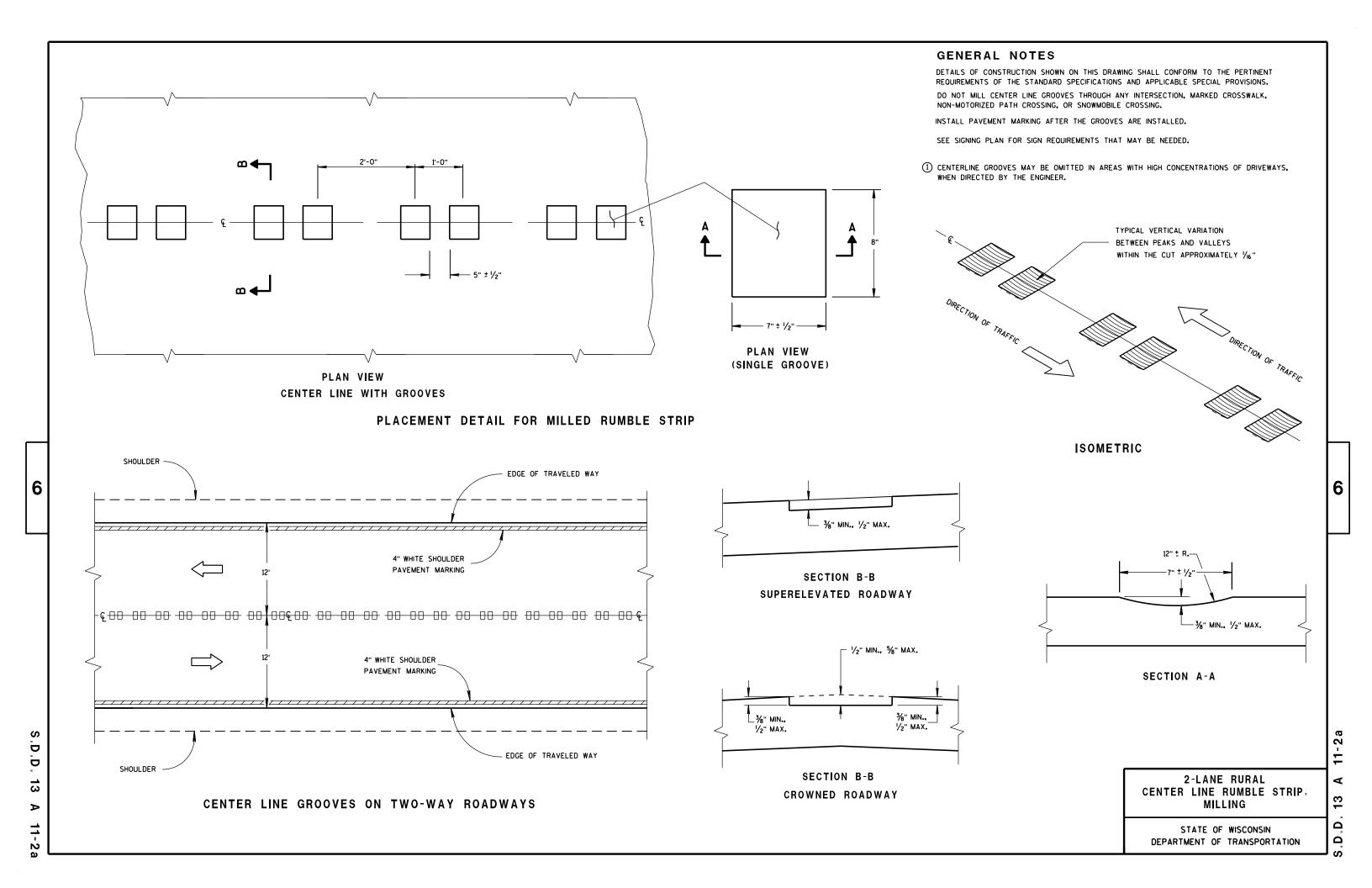


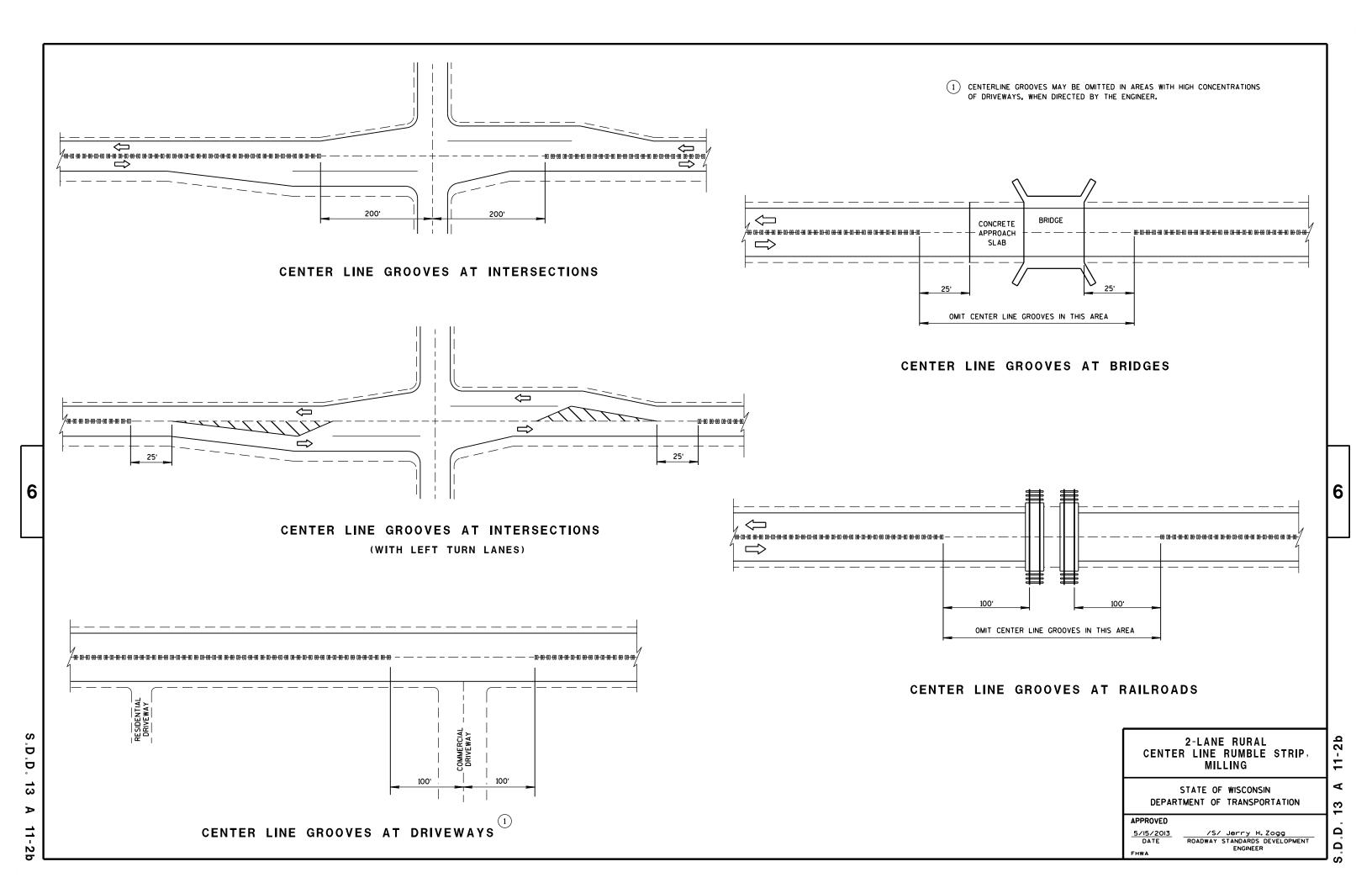


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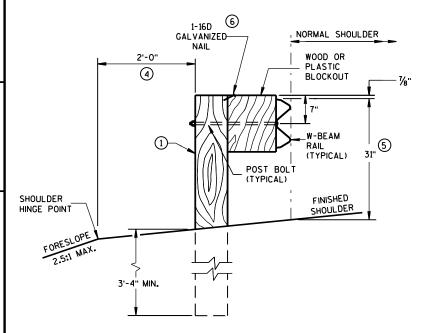
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER 12/17/2012 DATE





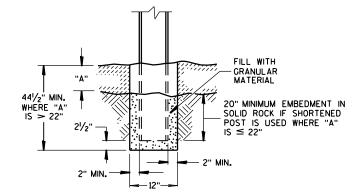
GENERAL NOTES

- (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

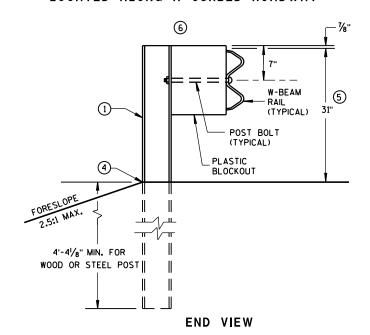
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



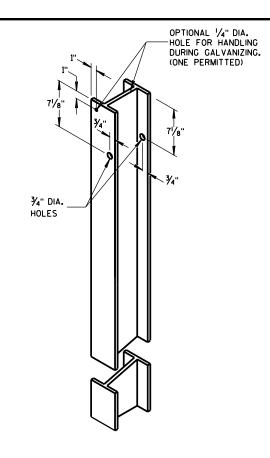
SETTING STEEL OR WOOD POST IN ROCK $^{\scriptsize{\textcircled{3}}}$



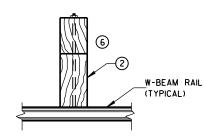
END VIEW
LOCATED ALONG A CURBED ROADWAY



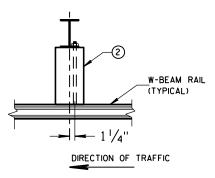
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



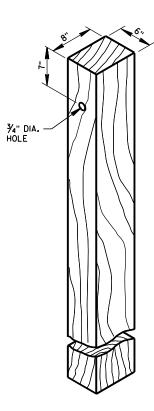
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



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
DEPARTMENT OF TRANSPORTATION

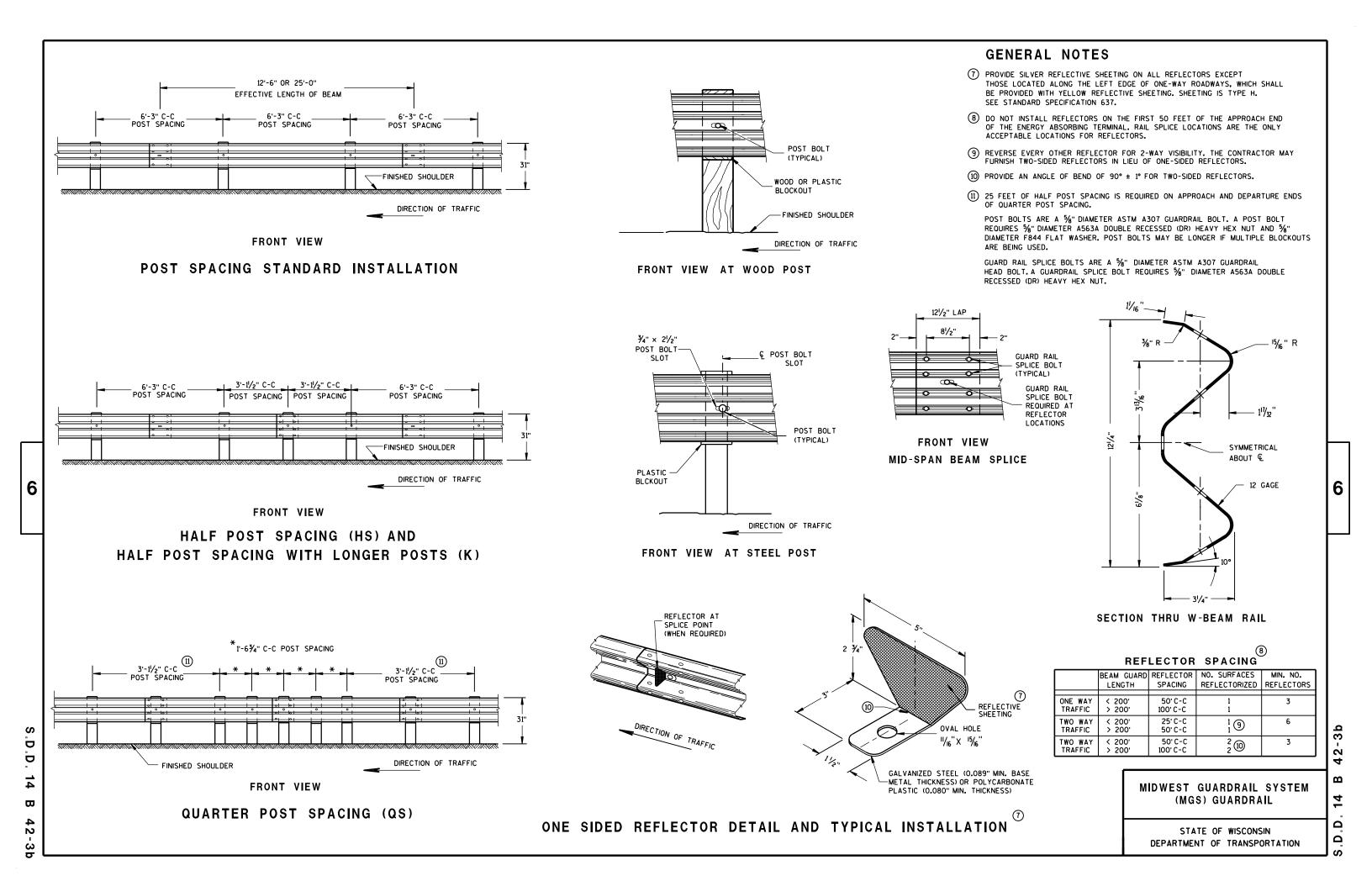
S.D.D. 14 B 4

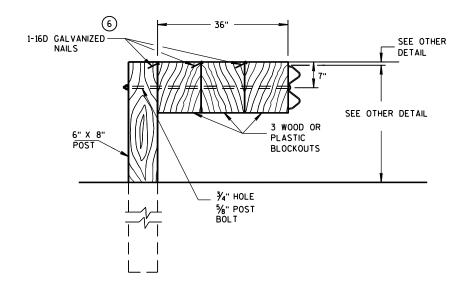
6

.D.D. 14 B

3a

2



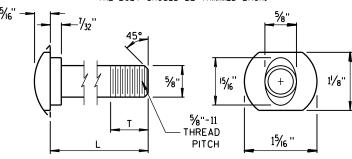


DETAIL FOR 36" BLOCKOUT DEPTH

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.

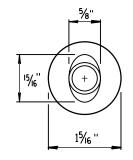
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

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.

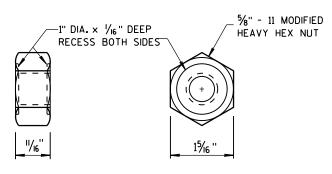


POST BOLT TABLE

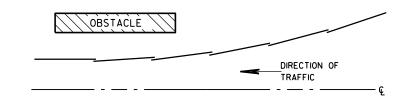
11/8"
437
13/4"
4"
41/16"
4"
41/16"
4"



ALTERNATE BOLT HEAD

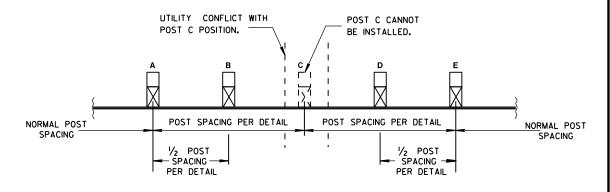


POST BOLT AND RECESS NUT



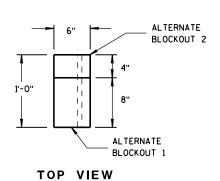
PLAN VIEW

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

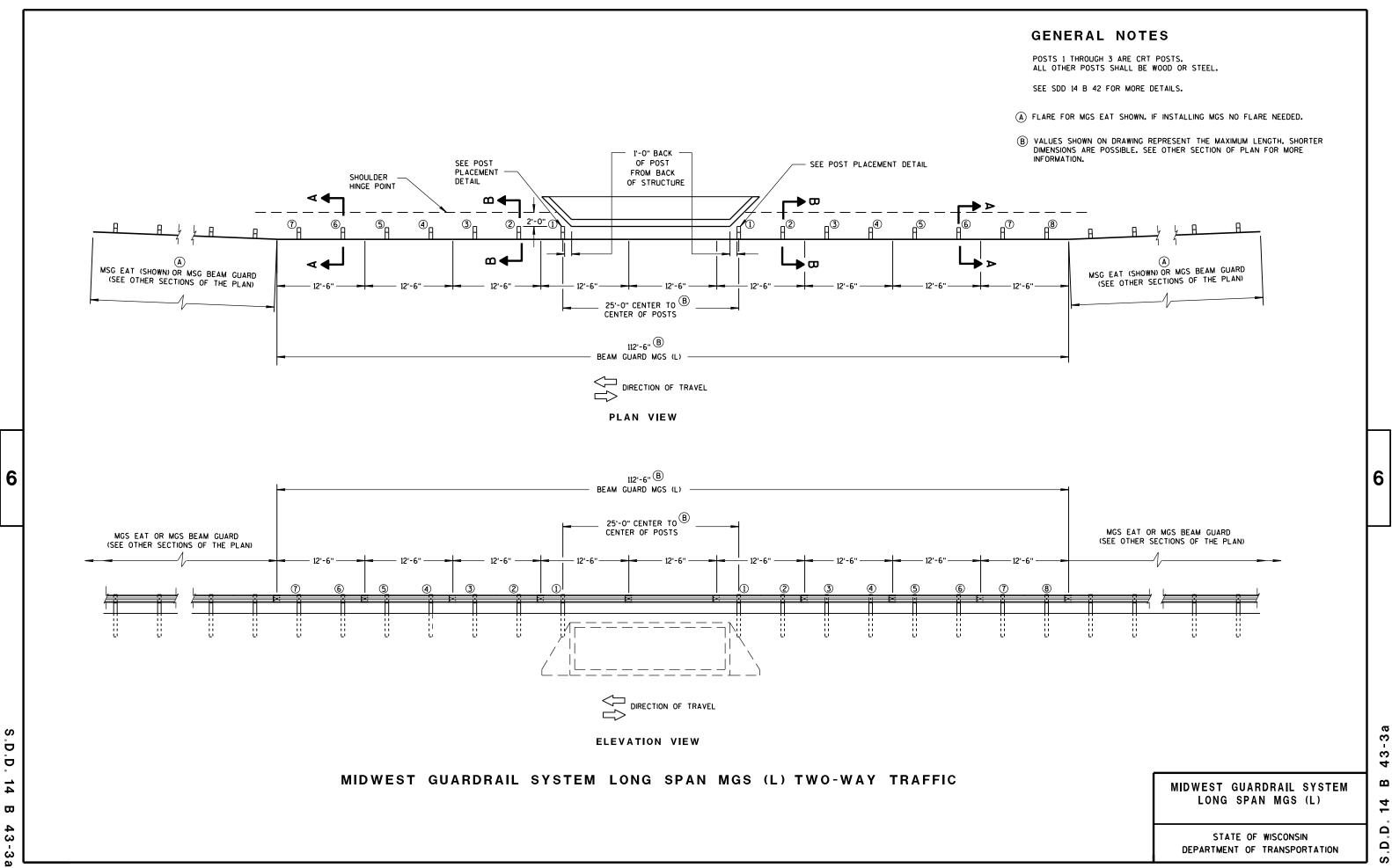
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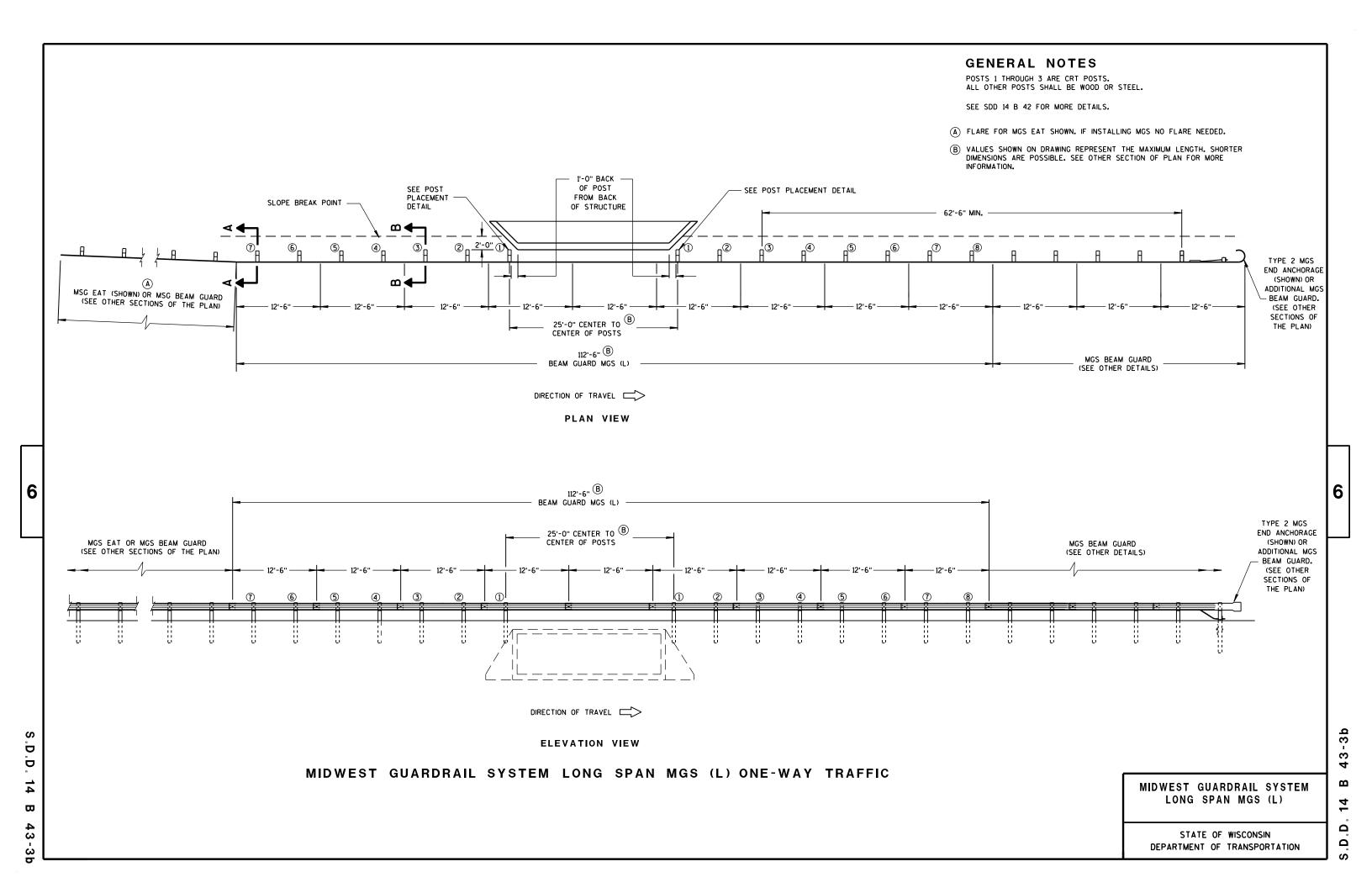
6

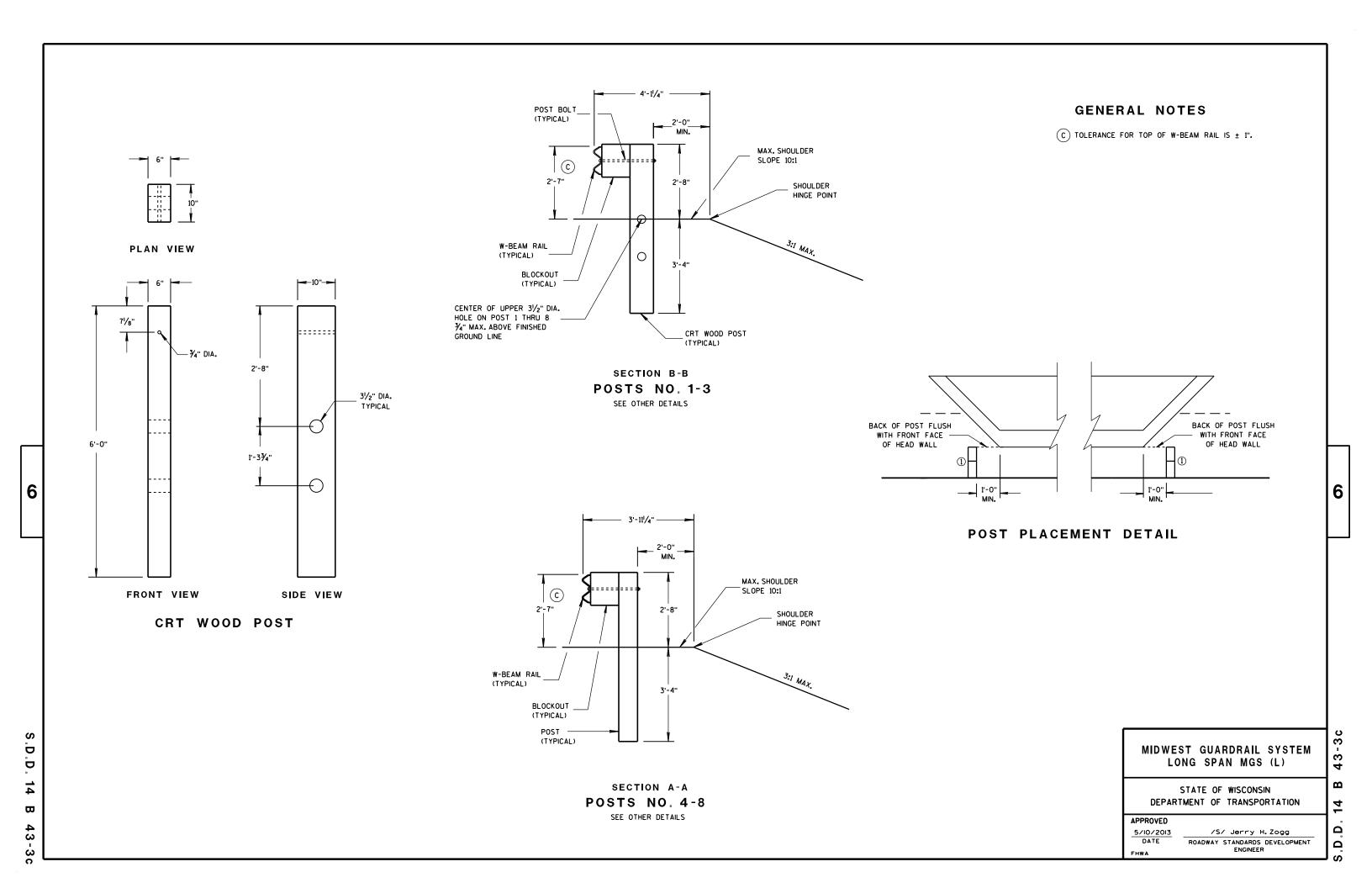
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S.D.D.

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SECTION A-A SECTION B-B

9 H

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

44-2b

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TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

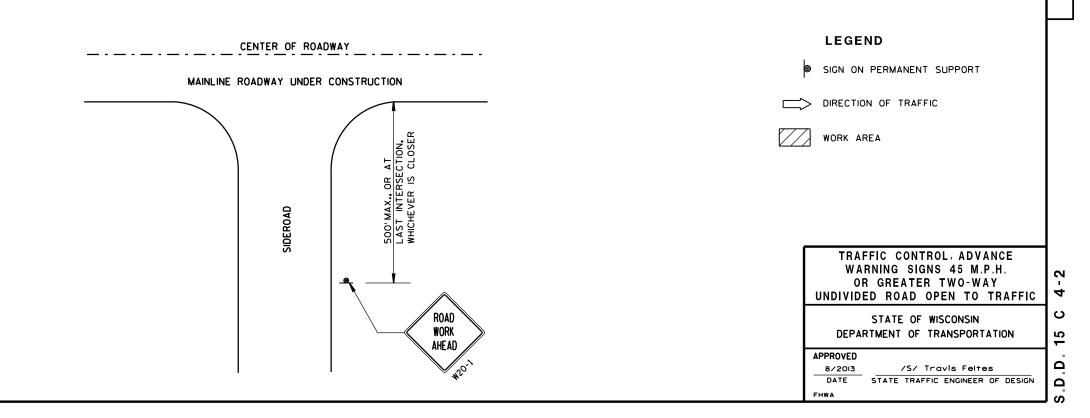
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

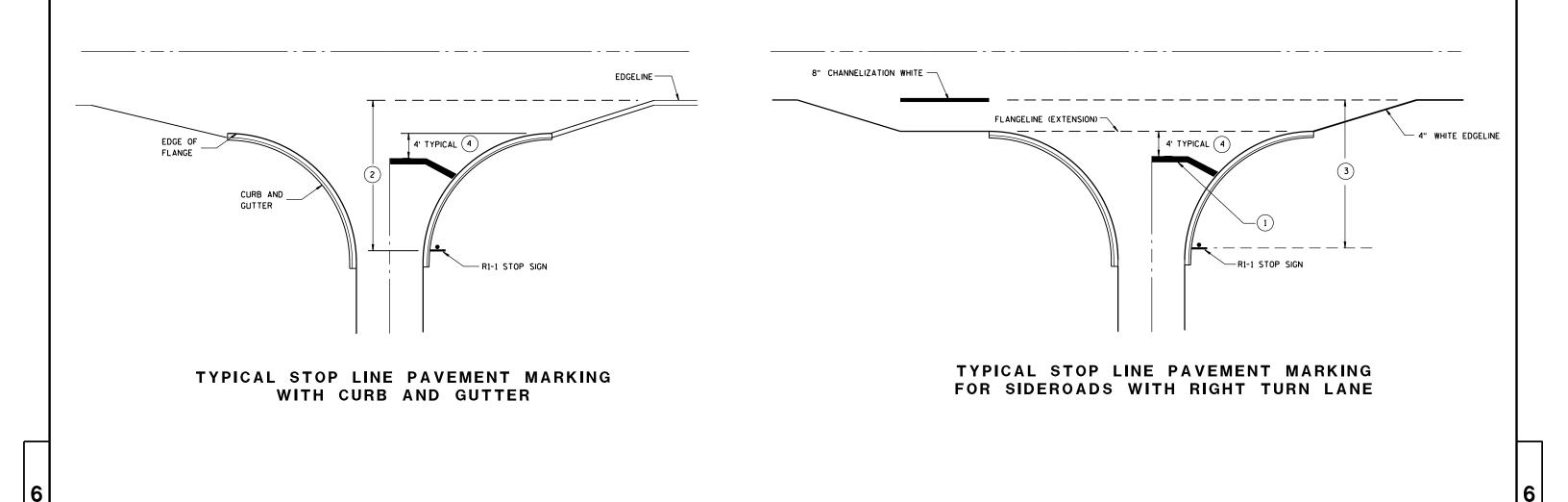


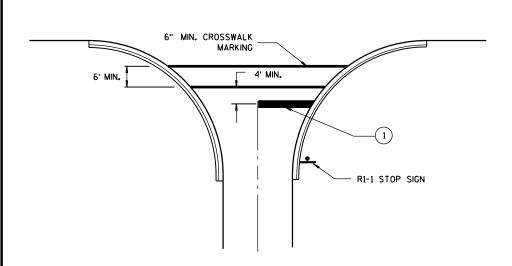
6



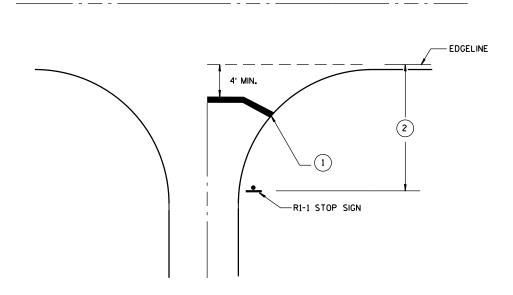








TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



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

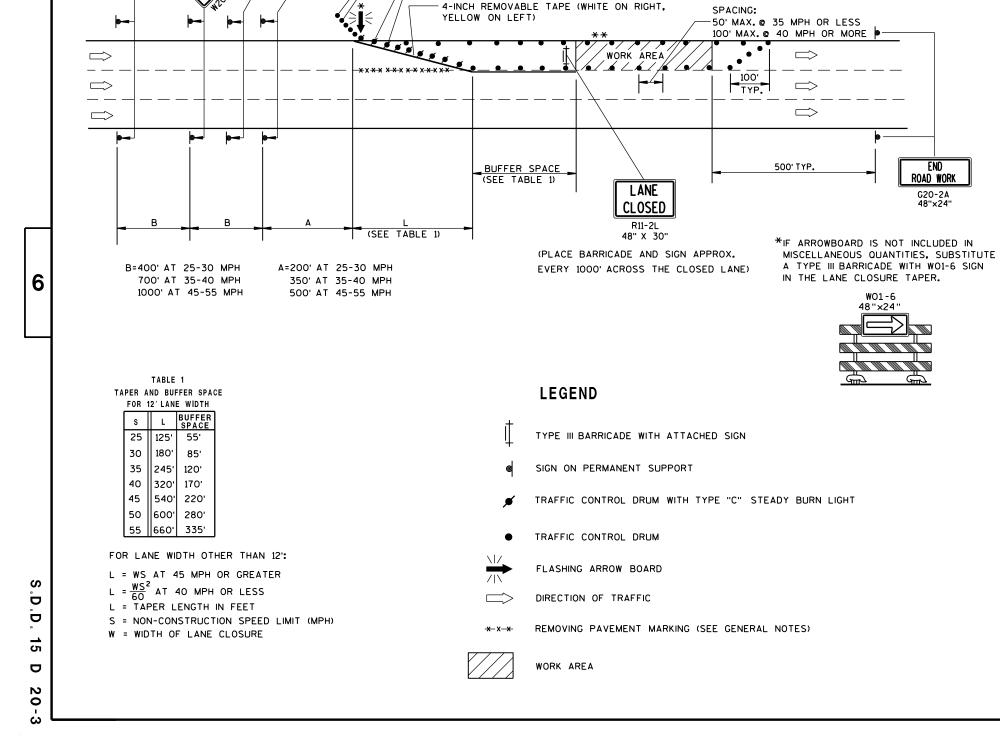
APPROVED	
4/30/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER
FHWA	

.D.D. 15 C 33-1

S.D.D.

33





(5) DRUMS SPACED @ 10'

INTERVALS AS NEEDED IN

FRONT OF ARROW BOARD

25'@ 35 MPH OR LESS

50'@ 40 MPH OR MORE

TEMPORARY PAVEMENT MARKING.

SPACING:

ROAD WORK

NEXT___MILES

G20-1

60" X 24"

CLOSED

AHEAD

AHEAD

GENERAL NOTES

**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE

ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL

W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF

IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC

TRAFFIC, IN ADVANCE OF THE WORK AREA.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

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

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W2O-1, G2O-1 AND G2O-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE 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.

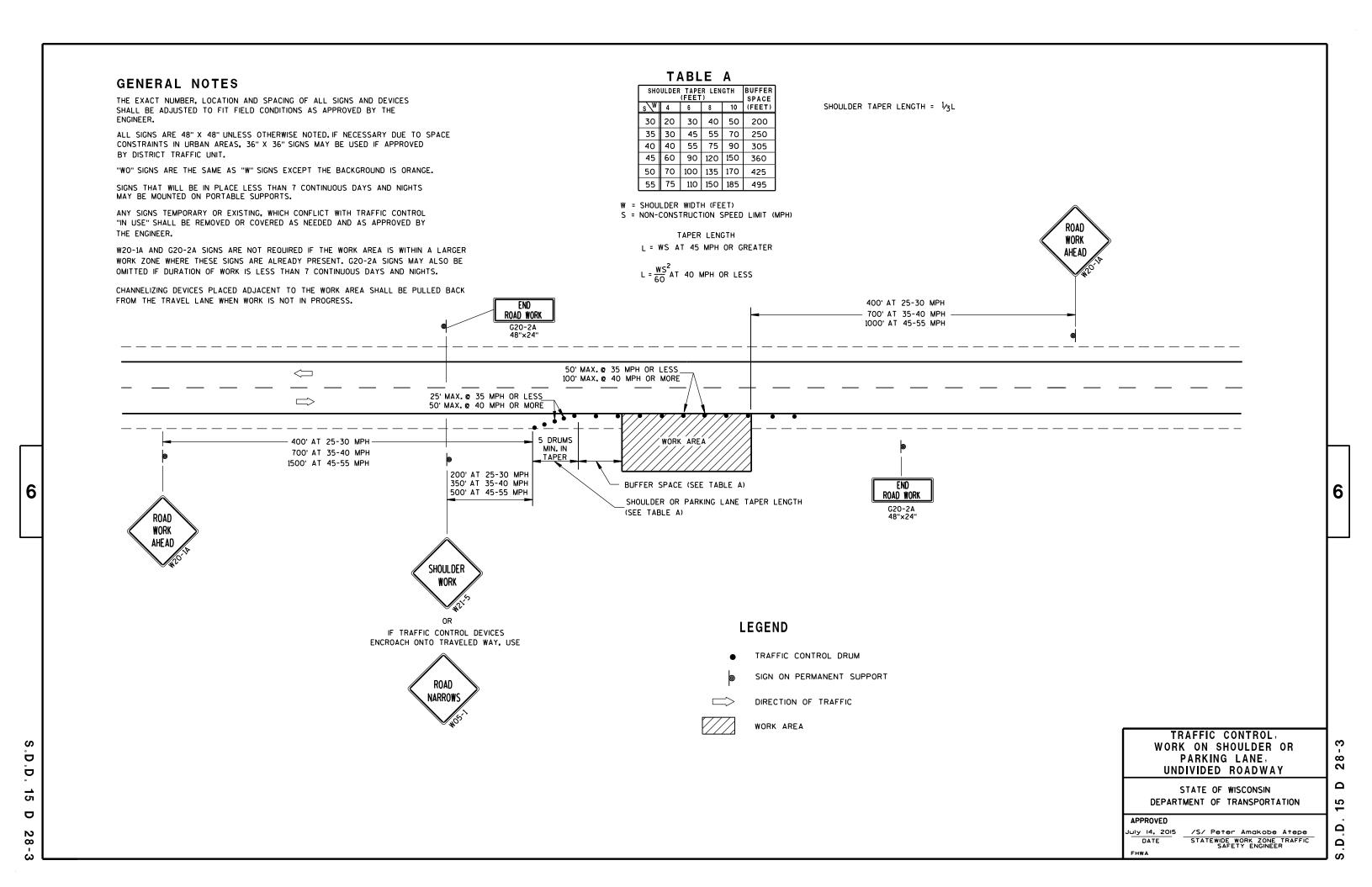
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

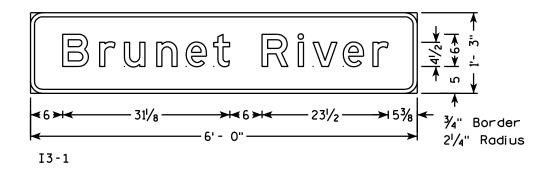
TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

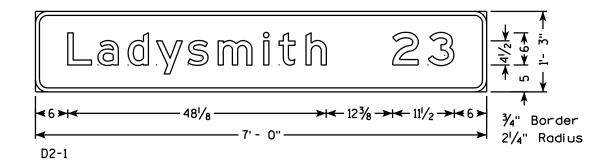
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

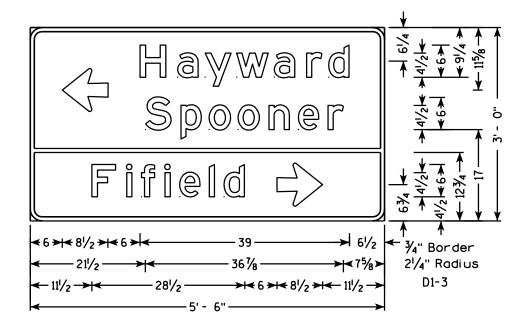
APPROVED
Feb. 2015
DATE
STATE TRAFFIC ENGINEER OF DESIGN

S.D.D. 15 D 2





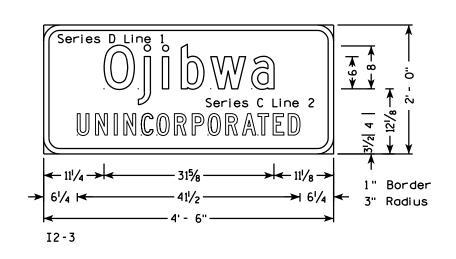




- 1. All Signs Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - GREEN Message - WHITE

3. Message Series - E except as shown



PROJECT NO: 8150-20-00 HWY: STH 27 COUNTY: SAWYER PERMANENT SIGNING SHEET NO: E

PLOT NAME :

PLOT BY: mscsja

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) 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

WISDOT/CADDS SHEET 42



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

WISDOT/CADDS SHEET 42

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	
* * *	Greater than 48" Less than 60"	12"	
	60" to 120"	L/5	l

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN (FOUR POSTS REQUIRE	
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

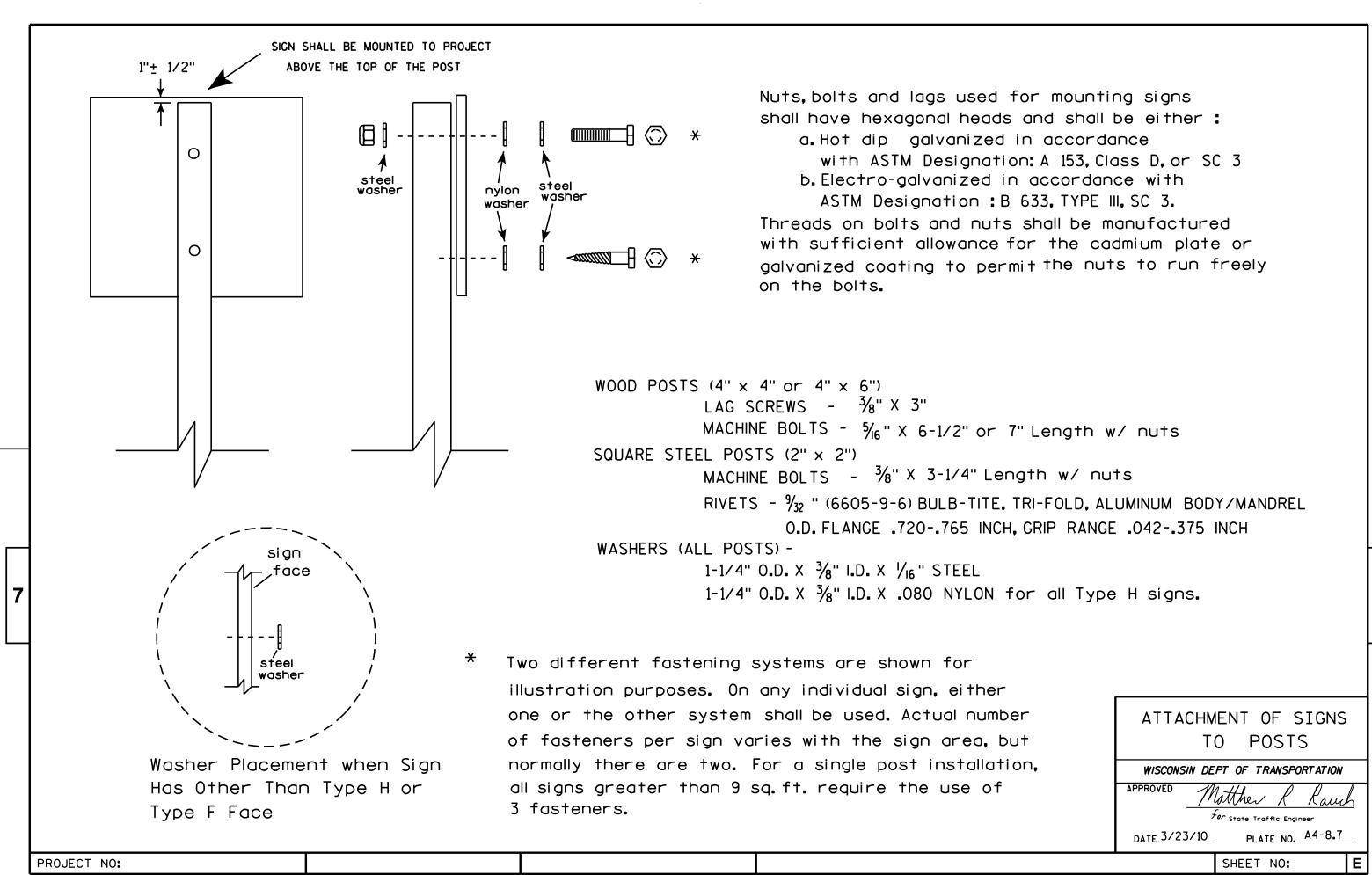
PLOT NAME :

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



HWY:

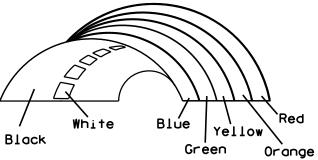
Background Colors of Symbol*

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

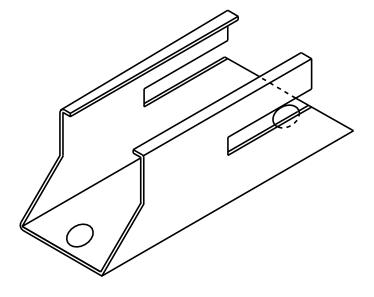
PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 7.945391:1.000000

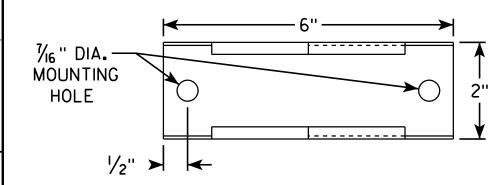
945391:1.000000 WISDOT/CADDS SHEET 42

ISOMETRIC VIEW

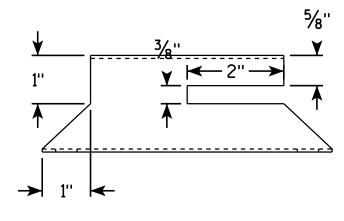


TOP VIEW

HWY:



SIDE VIEW

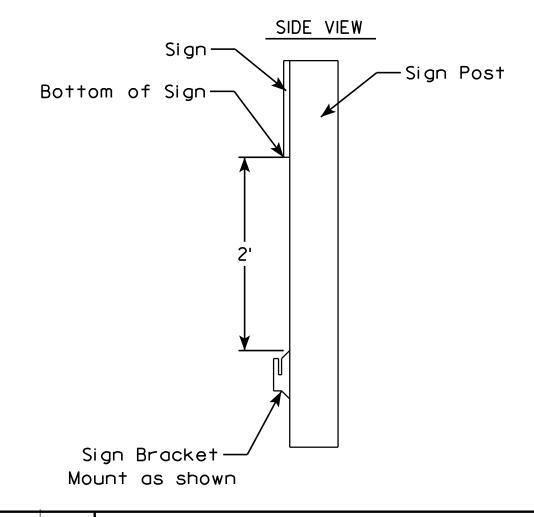


← 2" →

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

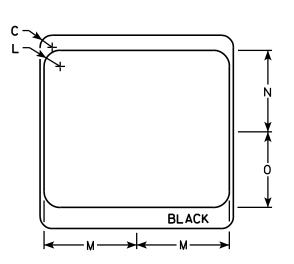
PROJECT NO:

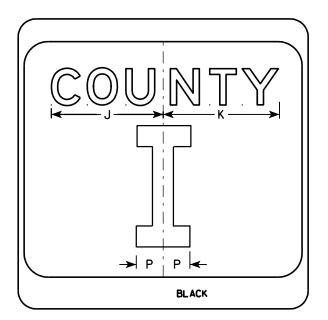
- 1. Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

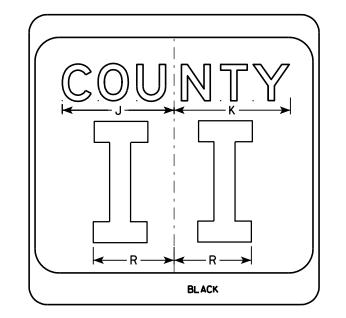
Background - White & Black - See Note 7 Message - Black

- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter. Message Series D for 2 letters unless message is too big then Series C. Message Series C for 3 letters unless message is too big then Series B.
- 6. Substitute appropriate letters & optically center to achieve proper balance.
- 7. Permanent Signs

Background - Type H Reflective Detour or temporary Signs Background - Reflective







SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 %	2	11 1/2	10 1/8	9 %	2 1/4		6 %									4.0
3	36		2 1/4			16	4	7 5/8	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 %		10									9.0
5	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
																			_								

COUNTY:

CTH MARKER M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

FerState Traffic Engineer PLATE NO. M1-5A.8 DATE 9/27/11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M15A.DGN

PROJECT NO:

BLACK

HWY:

M1-5A

PLOT DATE: 29-SEP-2011 11:25

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 5.959043:1.000000

WISDOT/CADDS SHEET 42

- 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 BLACK
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	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1																												ļ
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 %	11 ½	1	1 %	11 1/4	21 1/8											4.0	. 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	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.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	. 81

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

WISDOT/CADDS SHEET 42

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

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M2-1 Background White

Message - Black

MB2-1 Background - Blue

Message - White

MK2-1 Background - Green

Message - White

MM2-1 Background - White

Message - Green

MN2-1 Background - Brown

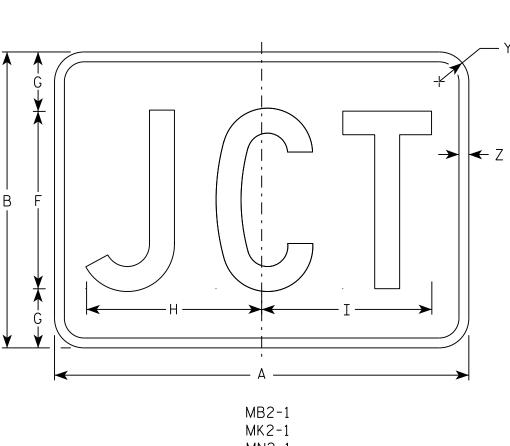
Message - White

MP2-1 Background - White

Message - Blue

MR2-1 Background - Brown

Message - Yellow



MN2-1

MR2-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	J	V	W	Х	Υ	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 1/8	8 %																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch f_{or} State Traffic Engineer

DATE 10/15/15

PLATE NO. M2-1.12 Ε

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdplote\M21 DGN

PROJECT NO:

M2-1

HWY:

MM2-1

MP2-1

PLOT DATE . 01-DEC-2015 17:54

PLOT BY . \$\$ Diotuser \$\$ PLOT NAME :

PLOT SCALE • 4 864603•1 000000







MP3-1









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	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

Ε

SHEET NO:

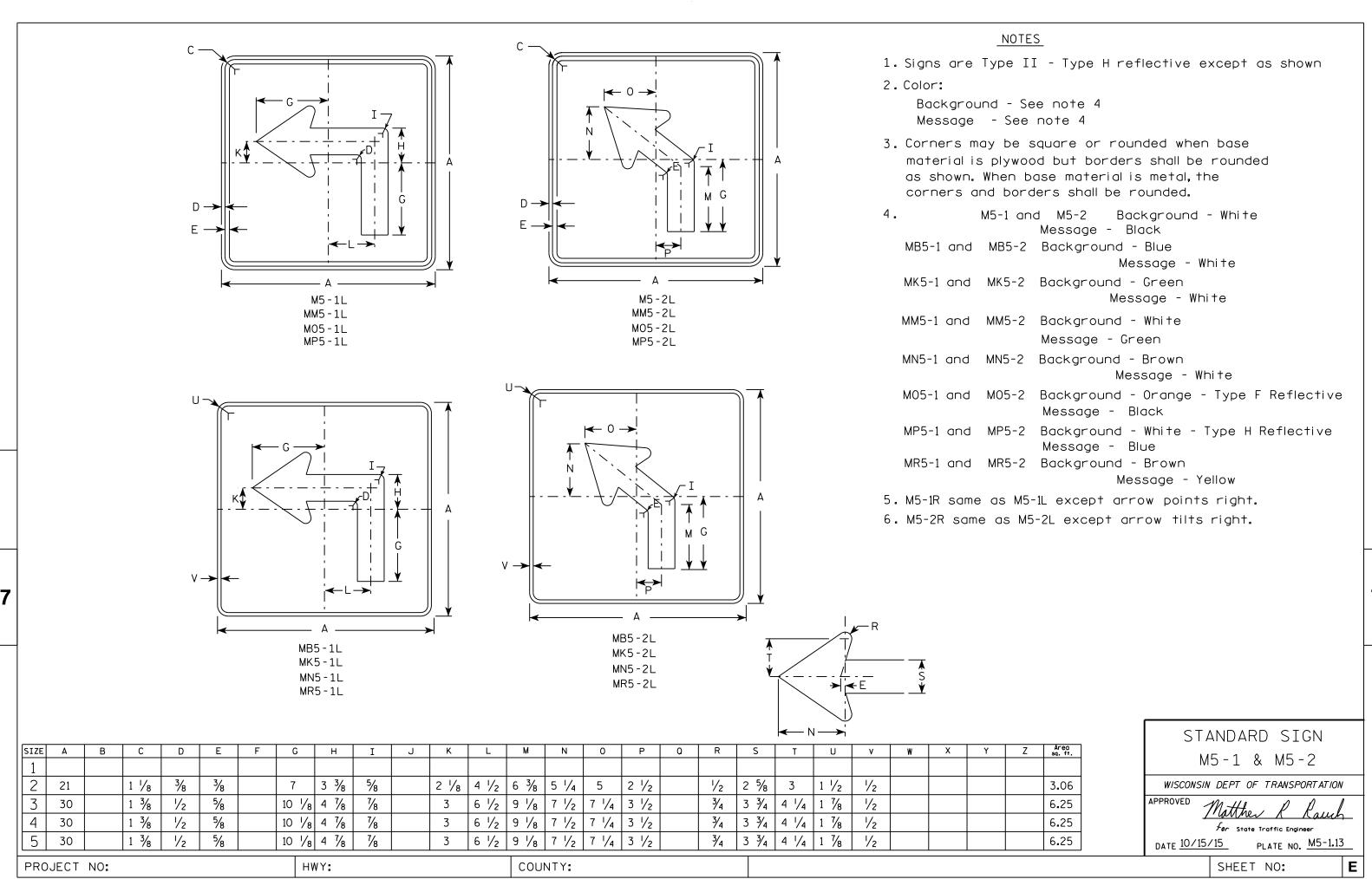
FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 11 675051.1 000000



FILE NAME . C.\CAFfiles\Projects\tr stdolote\M51 DCN

PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ DIOTUSET \$\$ PINT NAMF :

PLOT SCALE . 11 675051.1 000000







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	K	L	М	N	0	Р	٥	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1 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 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawl For State Traffic Engineer

Ε

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

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdplote\M61 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:57

PIOT RY . \$\$ plotuser \$\$ PIOT NAMF :

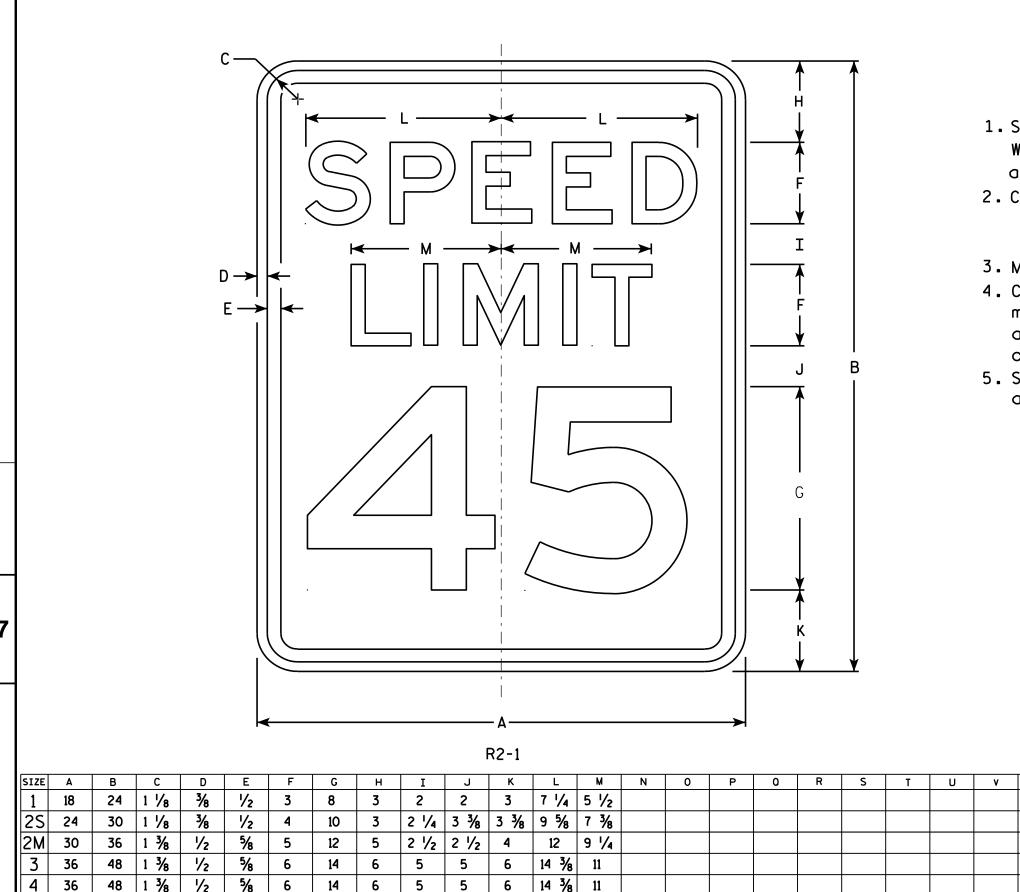
PLOT SCALE . 11 675051.1 000000

NOTES 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. 2. Color: Background - Red Message - White 3. Message Series - C R1-1 SIZE A STANDARD SIGN 30 5/8 10 12 1/2 45° 12 3/4 5.18 2S 30 5/8 12 1/2 45° 12 3/4 10 5.18 R1-1 2M 36 3/4 12 15 45° 15 % 7.46 3/4 15 3/8 12 45° 36 15 7.46 WISCONSIN DEPT OF TRANSPORTATION 45° 20 1/2 48 16 20 13.25 APPROVED Matthew & Kauch 5 48 16 20 45° 20 1/2 13.25 3/8 7 3/4 45° 7 3/4 1.86 18 6 For State Traffic Engineer 12 1/4 4 45° 5 1/8 0.78 DATE <u>11/12/15</u> PLATE NO. _____R1-1.13 COUNTY: SHEET NO: PROJECT NO: HWY: PLOT SCALE • 4 378143•1 000000

FILE NAME · C·\CAFfiles\Projects\tr stdplote\R11 DGN

PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ plotuser \$\$ PINT NAMF :



4 1/2 6 3/4 6 3/4 19 1/4 14 5/8

COUNTY:

20

HWY:

6

NOTES

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

Background - White Message - Black

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

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION APPROVED

Matther R Raus For State Traffic Engineer PLATE NO. R2-1.13

DATE <u>5/26/1</u>0

SHEET NO:

2 1/4

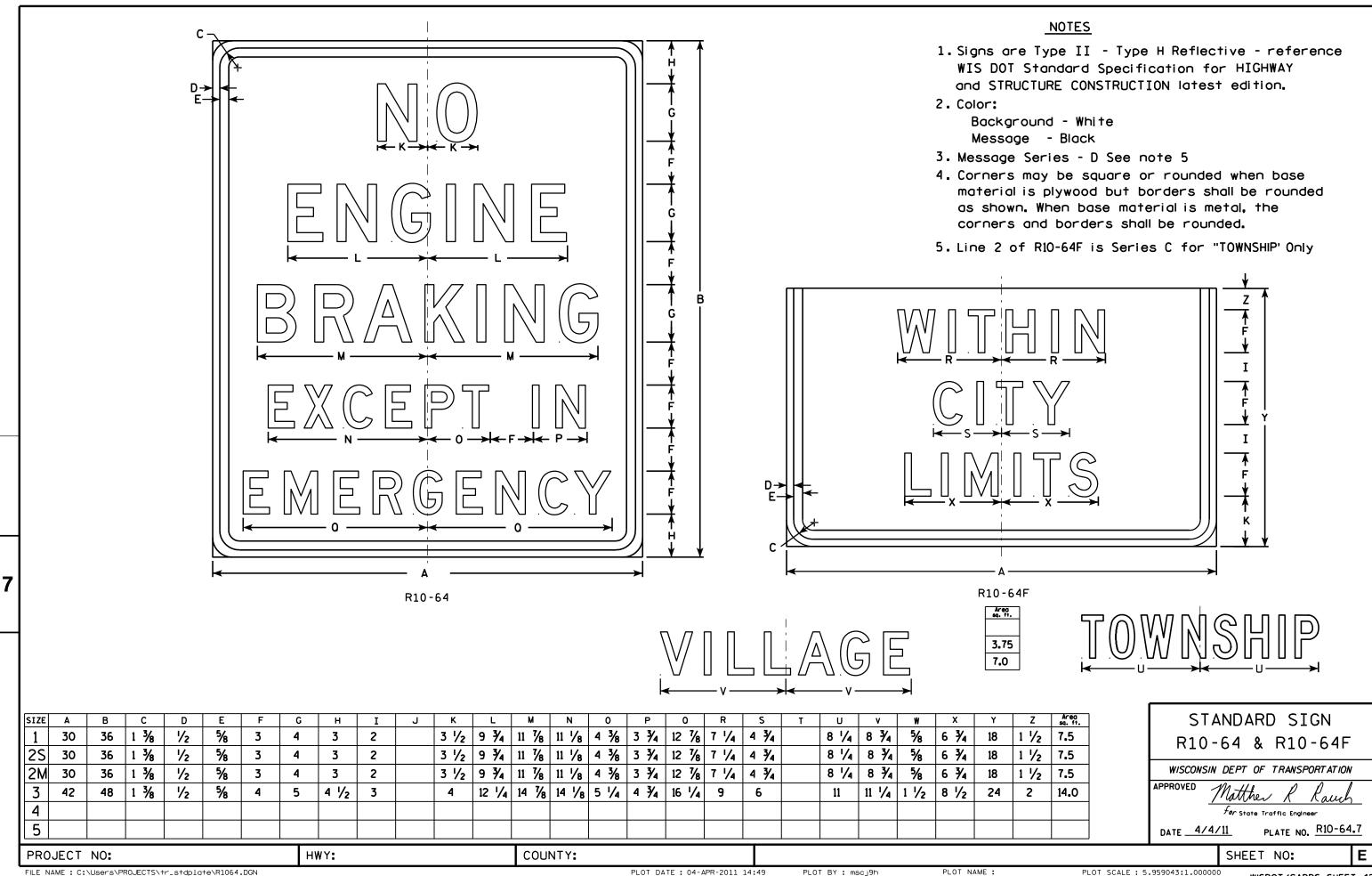
60

5

48

PROJECT NO:

PLOT NAME :

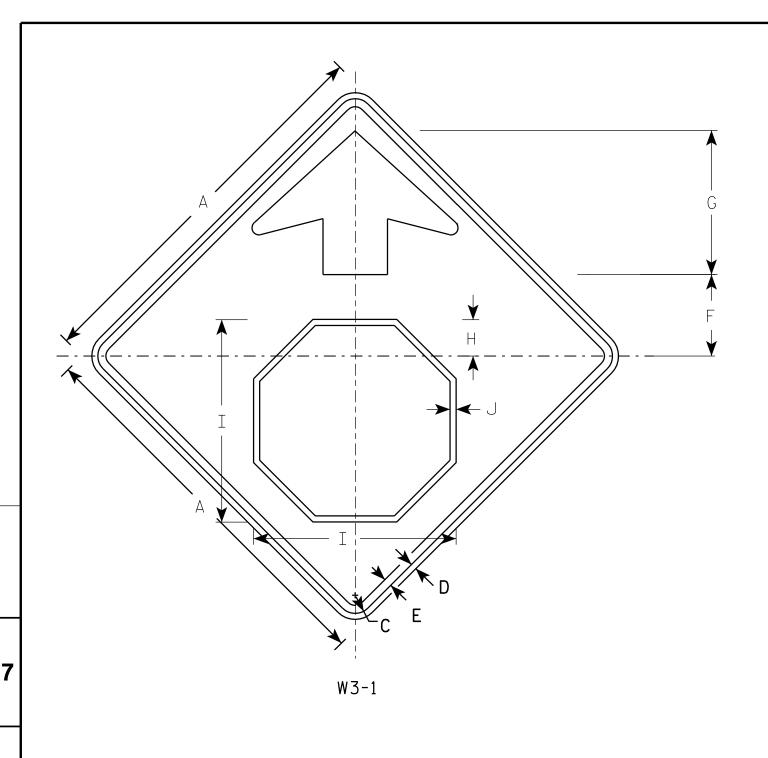


FILE NAME : C:\Users\PROJECTS\tr_stdplate\R1064.DGN

PLOT DATE: 04-APR-2011 14:49

PLOT NAME :

PLOT SCALE: 5.959043:1.000000

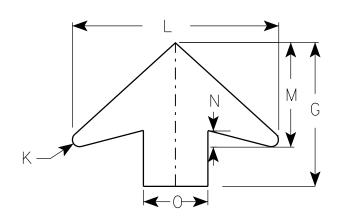


- 1. All Signs Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

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	7 ⁄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	7 /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:

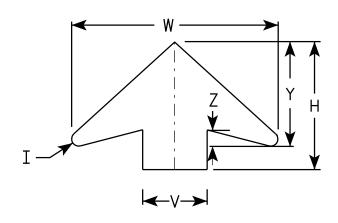
PROJECT NO:

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

 Background YELLOW*

 Message BLACK
- 3. Message Series C for numbers Series E for wording
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	×	Y	Z	Area sq. ft
1																											
25	36		1 1/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
2M	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
3	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3∕8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	1 /8	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3/8	12	8	25 %	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7 /8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 %	3/8	13	2	16.0

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

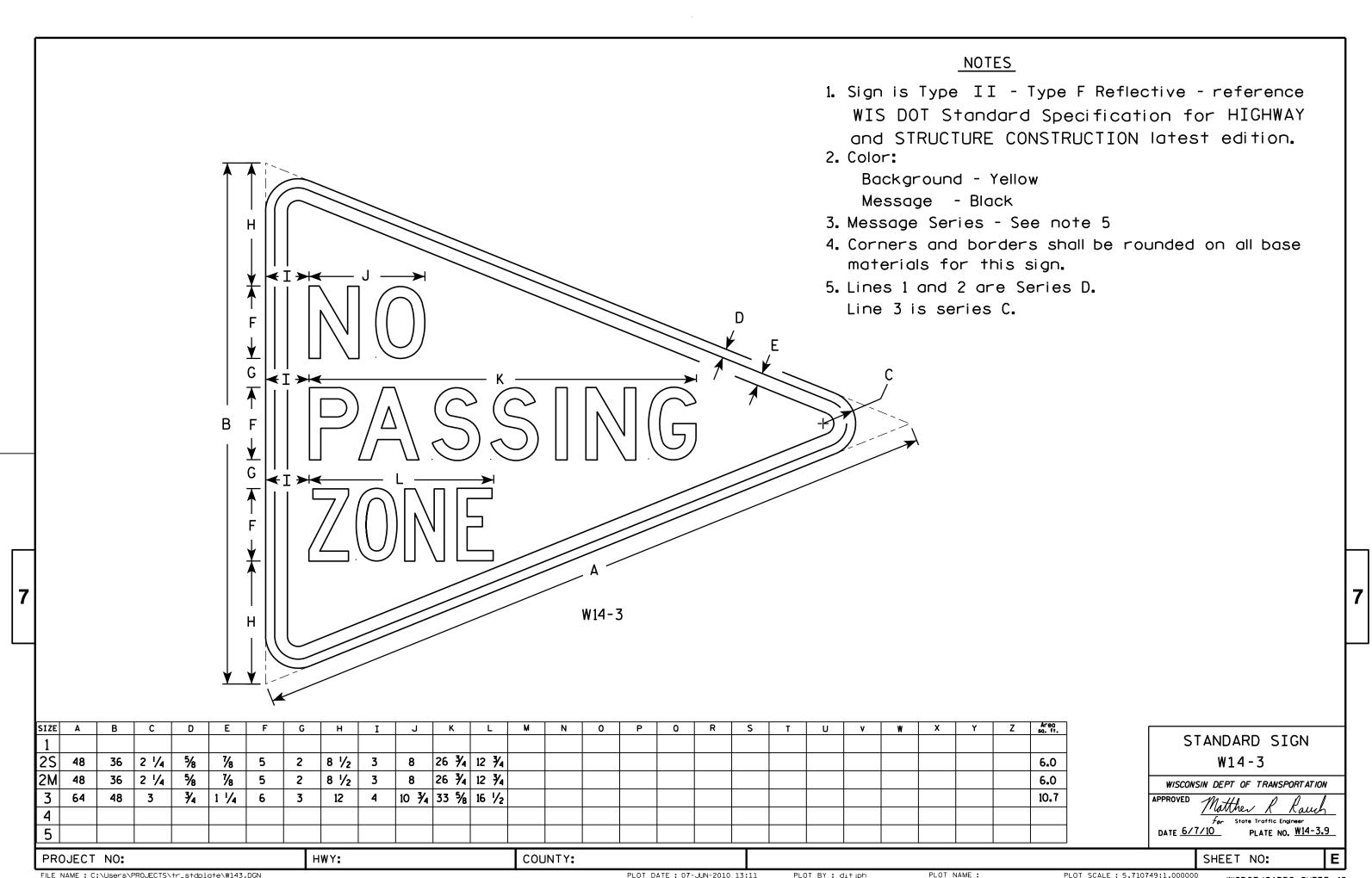
Matther R Rauch.

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

SHEET NO:

PROJECT NO:





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

WISDOT/CADDS SHEET 42

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov