00-6

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ORDER OF SHEETS

Section N	No.	1	Title
Section N	١٥.	2	Typical Sections and Detail
Section N	١٥.	3	Estimate of Quantities
Section N	١٥.	3	Miscellaneous Quantities
Section N	₩.	4	Right of Way Plat
Section N	No.	5	Plan and Profile
Section N	No.	6	Standard Detail Drawings
Section N	No.	7	Sign Plates
c		_	CI I DI :

TOTAL SHEETS = 100

Section No. 8 Structure Plans

Computer Earthwork Data



DESIGN DESIGNATION

A.A.D.T.	= 2275
A.A.D.T.	=
D.H.V.	=
D.D.	=
Т.	=
DESIGN SPEED	= 60
ESALS	= 500,000

CONVENTIONAL SYMBOLS

PLAN CORPORATE LIMITS PROPERTY LINE LOT LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT REFERENCE LINE EXISTING CULVERT PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA

PROFILE GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION UTILITIES ELECTRIC

CULVERT (Profile View) FIBER OPTIC SANITARY SEWER STORM SEWER **TELEPHONE** UTILITY PEDESTAL POWER POLE

TELEPHONE POLE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

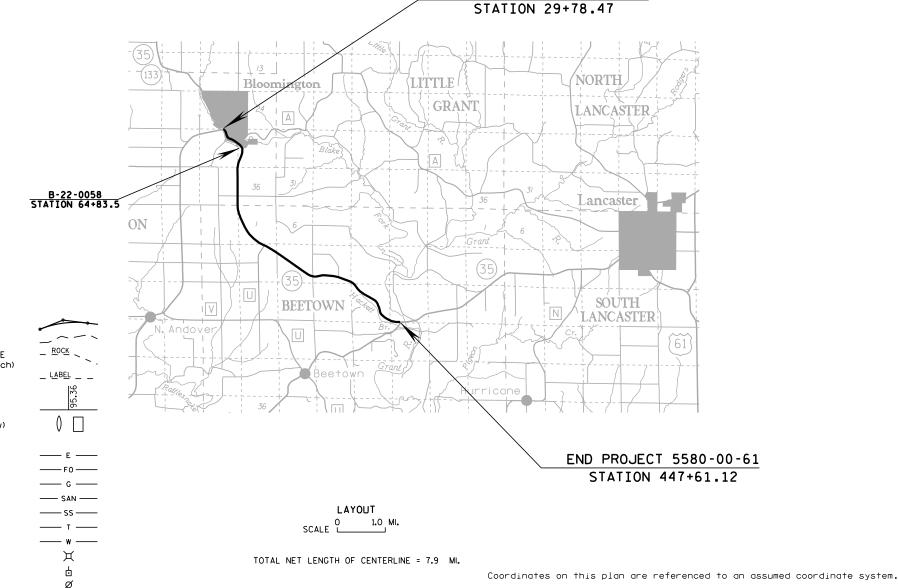
LANCASTER - BLOOMINGTON

STH 81 to STH 133 **STH 35**

GRANT COUNTY

STATE PROJECT NUMBER 5580-00-61

BEGIN PROJECT 5580-00-61



STATE PROJECT	FEDERAL PROJEC	:T
STATE PROJECT	PROJECT	CONTRACT
5580-00-61		

Prime Contractor: Iverson Construction Co. Sub Contractors: The Kraemer Company, LLC. Mattison Contractors, Inc.

Lunda Construction Co. Century Fence Company **Central State Signing** Roshell Electric

Boscobel Excavating, Inc. North Point Specialists, LLC

Tim Reichgelt Project Leader: Construction Start: 08/02/2010 Construction End: 10/04/2010

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION REPARED BY TIMOTHY FINCHER Surveyor TOM OLDENBURG Designer

DANIEL KLEINERTZ Project Manager Regional Examiner Regional Supervisor STEVE FLOTTMEYER JANE ENGLEBRETSEN C.O. Examiner

APPROVED FOR THE DEPARTMENT

Dean J. Winger DATE: 11-19-09

2

GENERAL NOTES

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES AREA MEMBERS OF DIGGERS HOTLINE.

CROSS SLOPES AS SHOWN ON THE TYPICAL SECTION WILL VARY AT THE INTERSECTIONS.

ENERGY ABOSORBING TERMINALS SHALL BE OFFSET A MINIMUM OF 2' TO FACE OF RAIL, SEE SDD.

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

WHEN PORTIONS OF EXISTING ASPHALTIC SURFACES ARE TO BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION, THE LINE OF SUCH REMOVAL SHALL BE NEATLY DELINEATED WITH A SAW CUT JOINT THROUGH THE ASPHALTIC SURFACE SO THAT REMOVAL OF THE ASPHALT SHALL BE ACCOMPLISHED WITHOUT DAMAGE TO REMAINING PORTIONS. THE LOCATION OF SAW JOINTS AND THE AMOUNT REMOVED AT SIDE ROADS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DISTURBED AREAS CAUSED BY THE CONTRACTORS OPERATIONS ARE TO BE TOPSOILED (SALVAGED), FERTILIZED, SEEDED, AND MULCHED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK ASSOCIATED WITH THE DISTURBANCE.

PRIOR TO THE PLACEMENT OF STEEL PLATE BEAM GUARD, THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED UNLESS SHOWN OTHERWISE. EXCEPTION TO THIS AT THE NW QUADRANT OF B-22-0058 WHERE BEAMGUARD POSTS SHALL BE INSTALLED PRIOR TO SURFACE DRAIN INSTALLATION.

PRIOR TO PLACING NEW SHOULDER MATERIAL ON EXISTING SHOULDERS, THE EXISTING SHOULDERS SHALL BE SHAPED AND COMPACTED TO PROVIDE THE MINIMUM DEPTHS SHOWN IN THE TYPICALS OF NEW SHOULDER MATERIAL ADJACENT TO THE SURFACE OF THE NEW PAVEMENT. MATERIAL EXCAVATED FOR THIS PURPOSE SHALL BE DEPOSITED ON THE OUTER PORTION OF THE EXISTING SHOULDER OR AS DIRECTED BY THE ENGINEER. THE NECESSARY LENGTHS AND DEPTHS AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE BID ITEM OF SHAPING SHOULDERS.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES AS NEEDED.

WHEN THE QUANTITIES OF HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OF THICKNESS OF THE MATERIAL THAT IS SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL.

THE RATE OF APPLICATION FOR TACK COAT IS COMPUTED AT 0.025 GAL/SY.

HMA PAVEMENT, TYPE E-1, SHALL BE CONSTRUCTED WITH A 2-INCH LIFT.

TRAFFIC CONTROL DRUMS SHALL BE PLACED AT 25' SPACING AT LOCATIONS OF NEW STEEL PLATE BEAM GUARD AND ALL OTHER AREAS AS DIRECTED BY THE ENGINEER

STANDARD ABBREVIATIONS

AC.	ACRE	MAX.	MAXIMUM
AGG.	AGGREGATE	MGAL	1000 GALLONS
AH	AHEAD	MIN.	MINIMUM
<	ANGLE	N.C.	NORMAL CROWN OR NO CHANGE
AE, AEW	APRON ENDWALL	N	NORTH
ASPH.	ASPHALTIC	NO.	NUMBER
	AVERAGE DAILY TRAFFIC	PAV'T	PAVEMENT
B.F.	BACK FACE	P.L.E.	PERMANENT LIMITED EASEMENT
BK.	BACK		POINT OF CURVATURE
BEG.	BEGIN		POINT OF INTERSECTION
	BENCH MARK		POINT OF TANGENCY
	CENTER LINE		VERTICAL POINT OF CURVATURE
	CENTRAL ANGLE OR DELTA		VERTICAL POINT OF INTERSECTION
	CORRUGATED METAL CULVERT PIPE		VERTICAL POINT OF TANGENCY
	CORRUGATED METAL PIPE		PORTLAND CEMENT CONCRETE
CO.	COUNTY		PRIVATE ENTRANCE
			PROPERTY LINE
	COUNTY TRUNK HIGHWAY	R.L.	
	CREEK		RADIUS OR RANGE
C.A.B.C.	CRUSHED AGGREGATE BASE COURSE	R/L	REFERENCE LINE
C.Y.	CUBIC YARD	R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
C.P.	CULVERT PIPE	RT	RIGHT
c. & G.	CURB AND GUTTER	REQ'D	REQUIRED
D	DEGREE OF CURVE		RIGHT HAND FORWARD
D.H.V.	DESIGN HOUR VOLUME		RIGHT OF WAY
DIA.	DIAMETER	R.	RIVER
DISCH.	DISCHARGE	RD.	ROAD
EA	EACH	SHLD.	SHOULDER(S)
E	EAST	SHR.	SHRINKAGE
	ELECTRIC(AL), ELEC. CABLE	S	SOUTH
EL., ELEV.		S.F.	SQUARE FOOT (FEET)
EXC.	EXCAVATION	SDD	STANDARD DETAIL DRAWING(S)
	FACE TO FACE	STH	STATE TRUNK HIGHWAY
	FERTILIZER	STA.	STATION
	FIELD ENTRANCE	S.E.	SUPERELEVATION
F/L, F.L.		S/L	SURVEY LINE
CWT.	HUNDRED WEIGHT	5/ L Т	TANGENT
INL	INLET	TEL.	TELEPHONE
	INTERSECTION		TEMPORARY
JT.	JOINT	T.L.E.	
	LEFT		TOP OF CURB
			(TRUCKS) PERCENT OF
L.H.F.	LEFT HAND FORWARD	T.	
L.	LENGTH OF CURVE	TYP.	TYPICAL
L.F.	LINEAR FOOT(FEET)	UNCL.	UNCLASSIFIED
LC.	LONG CHORD	U.G.	UNDERGROUND (CABLE)
LS	LUMP SUM	V.C.	VERTICAL CURVE
M.P.	MARKER POST	W	WEST

STATE PROJECT NO: 5580-00-61	HWY: STH 35	COUNTY: GRANT	GENERAL NOTES	SHEET NO:	Ε

FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : ____ ORIGINATOR : DIST PLOT SCALE : 1:1

DNR Liaison

PHONE: 608-275-3485

Wisconsin Department of Natural Resources 3911 Fish Hatchery Road La Crosse, WI 54601 ATTN: Ronald Grasshoff

UTILITY COMPANIES & PERSONNEL

Jason Hogan Alliant Energy - Electricity 4902 N Biltmore Lane P.O. Box 77007 Madison, WI 53707-1007 (608) 458-4871

Matt Brown Charter Communications - Communication Line 2701 Daniels St Madison, WI 53718 (608) 274-3822

Ken Klaas TDS Telecom - Communication Line 140 N Monroe St P.O. Box 467 Lancaster, WI 53813 (608) 723-3633

Dan Sande
We Energies - Gas/Petroleum
333 W Everett St, A279
Milwaukee, WI 53203
(414) 221-4578

Glen Haven Sanitary District - Sewer

Mike Olsen ATC Magagement, Inc. - Electricity 801 O'keefe Rd. P.O. Box 6113 DePere, WI 54115-6113 (608) 388-6582

Daniel Stelpflug Scenic Rivers Energy Cooperative - Electricity 231 N Sheridan St Lancaster, WI 53813-1342 (608) 723-2121

Rick Udelhofen
Village of Bloomington - Water
210 Union St
P.O. Box 156
Bloomington, WI 53804
(608) 994-2401

Farmers Telephone Company LLC - Communication Line P.O. Box 5158
Madison, WI 53705-0158

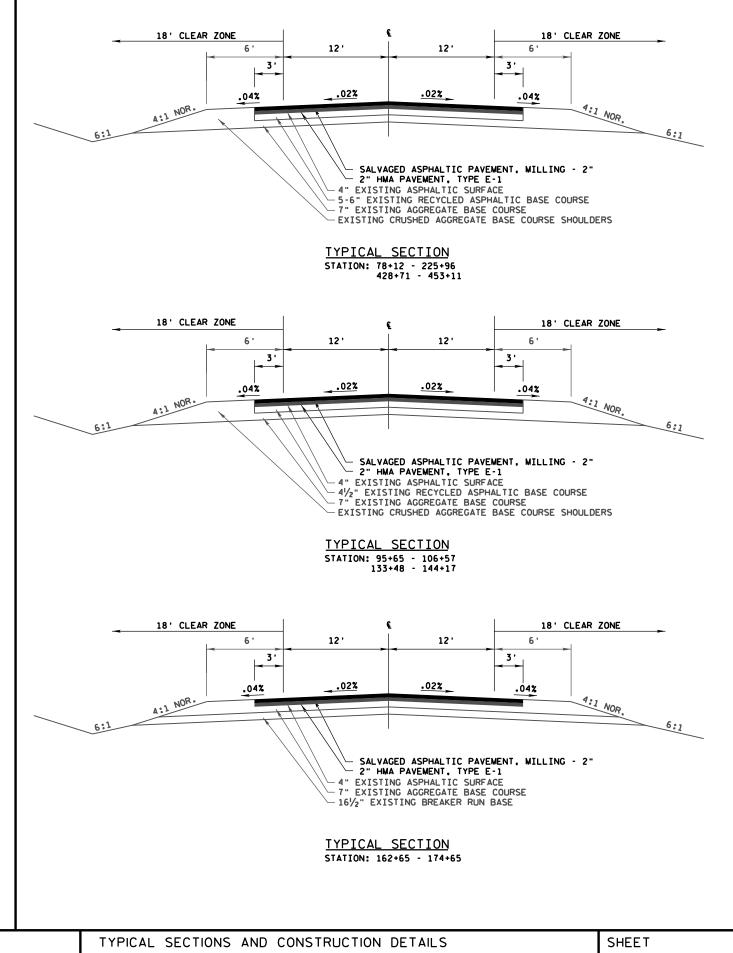


Toll Free (800) 242-8511 Milwaukee Area (414) 259-1181 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

STATE PROJECT NO: 5160-00-62 HWY: STH 35 COUNTY: CRAWFORD GENERAL NOTES SHEET NO: E

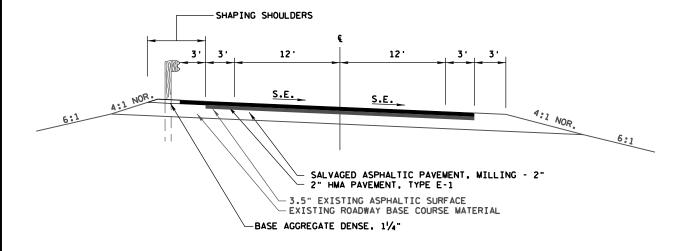
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HWY: STH 35

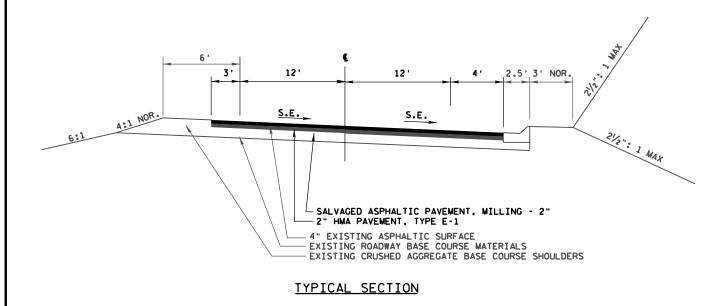


PROJECT NO: 5580-00-61

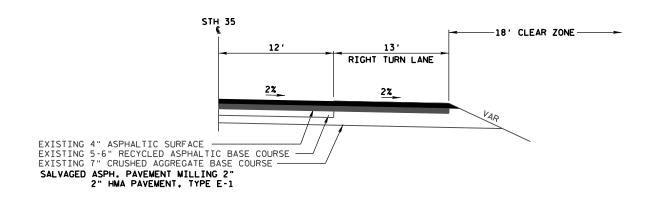
COUNTY: GRANT



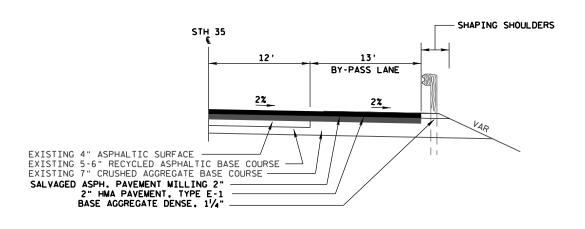
TYPICAL SECTION



HWY: STH 35



RIGHT TURN LANE TYPICAL HALF SECTION



BYPASS LANE TYPICAL HALF SECTION

TYPICAL SECTIONS AND CONSTRUCTION DETAILS SHEET **E**

FILE NAME: p:\State\s35\55800031\Cad\eplans\020303_ts.dgn

PROJECT NO: 5580-00-61

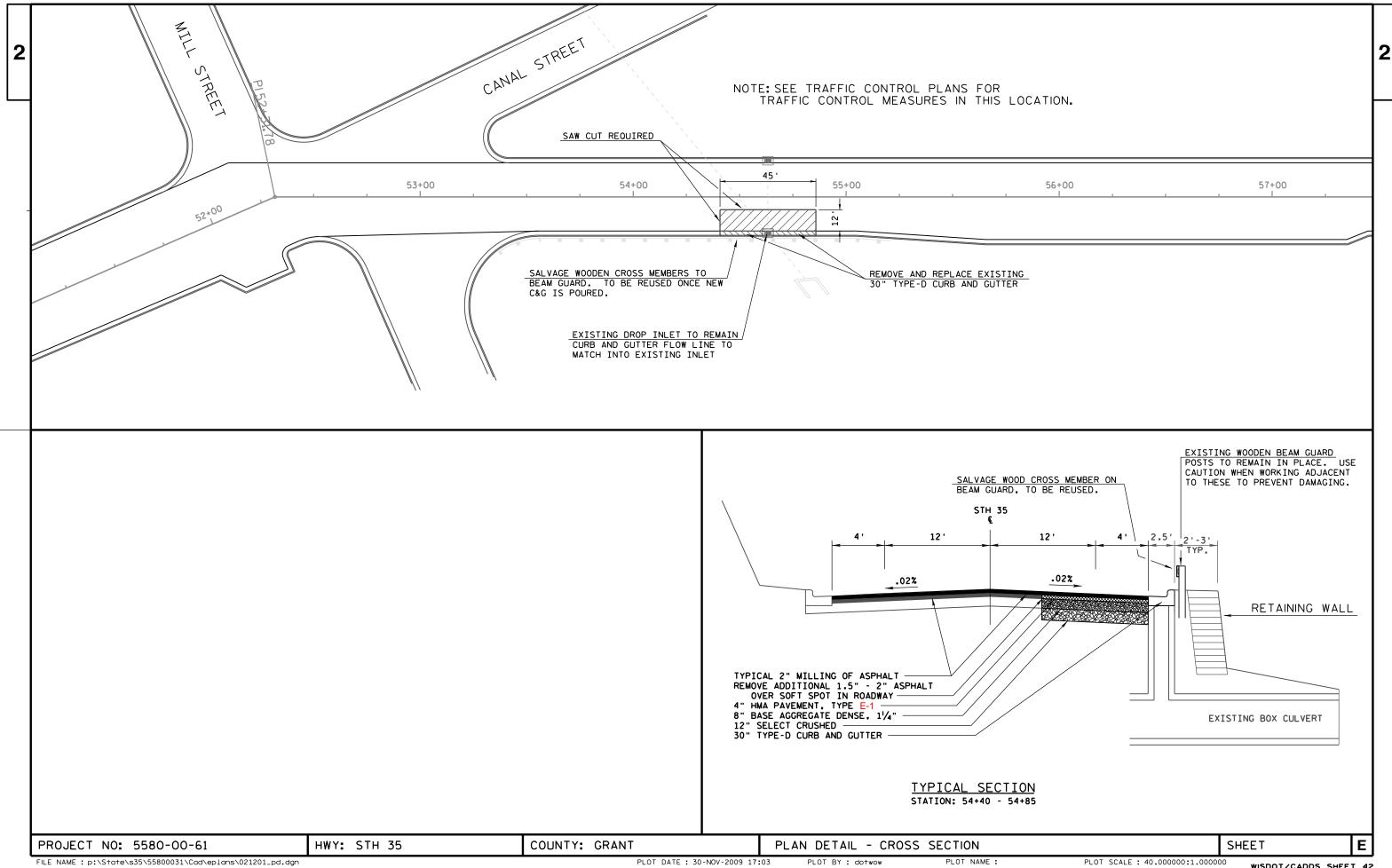
PLOT DATE: 27-APR-2010 10:14

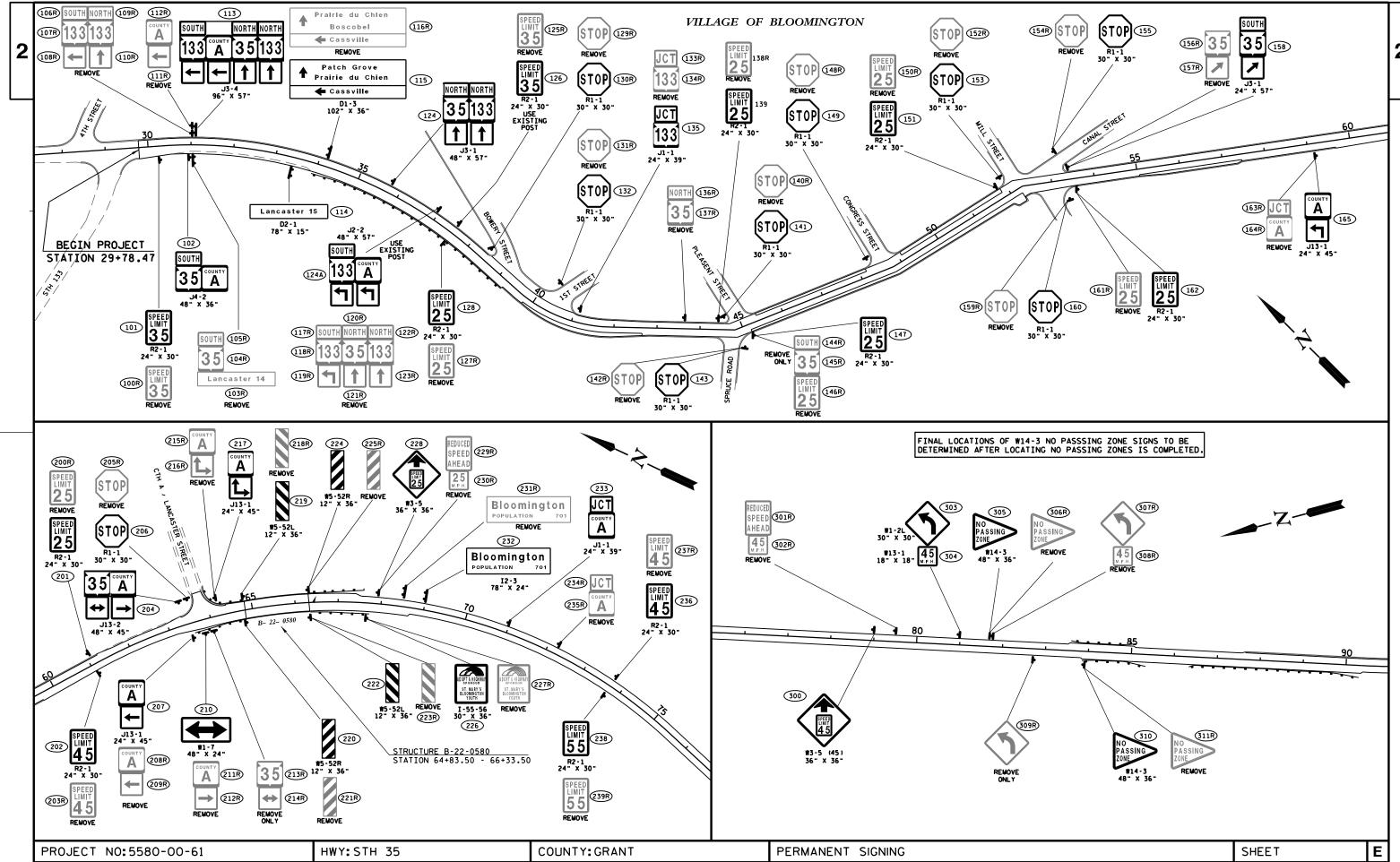
COUNTY: GRANT

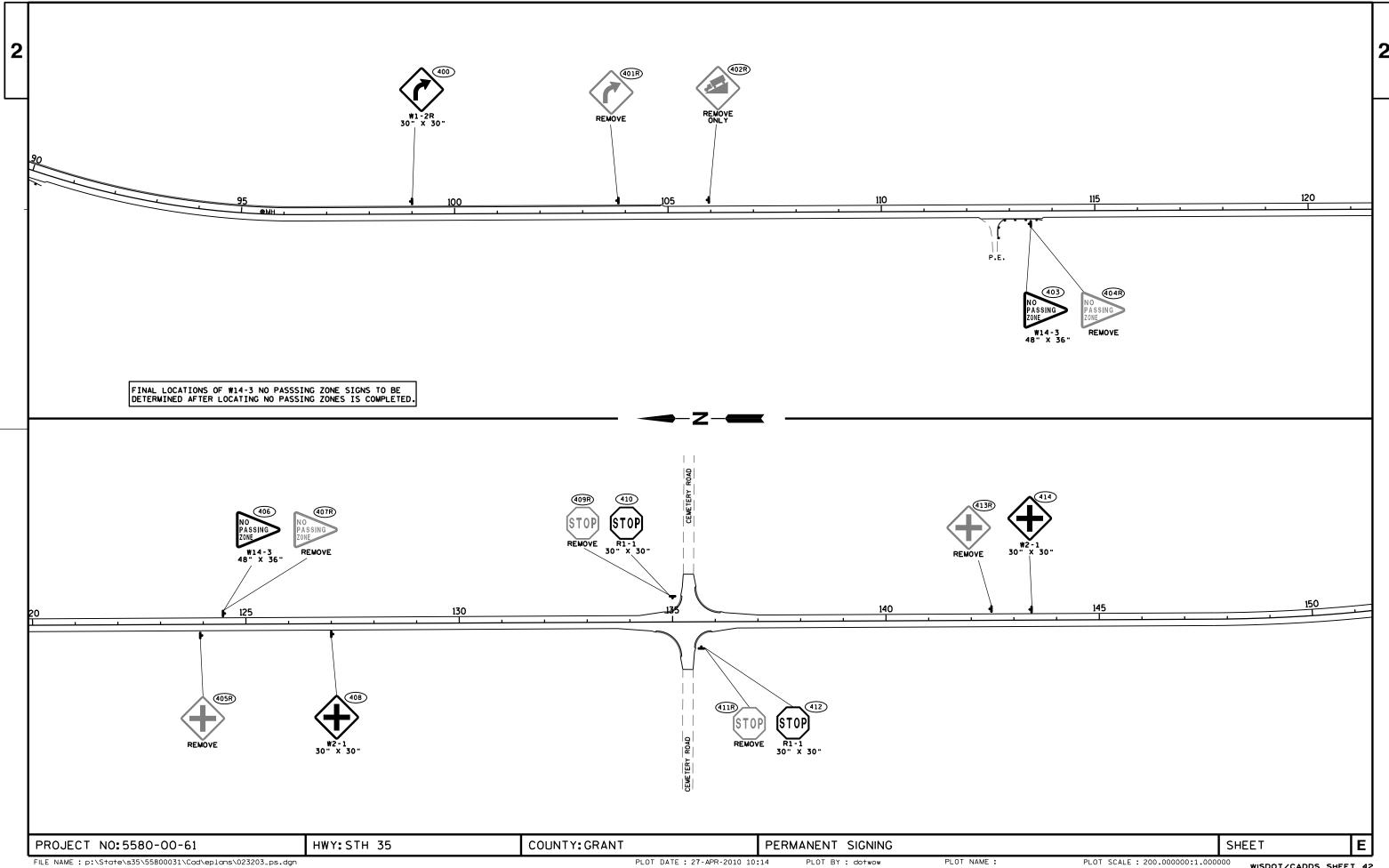
PLOT BY : dotwow

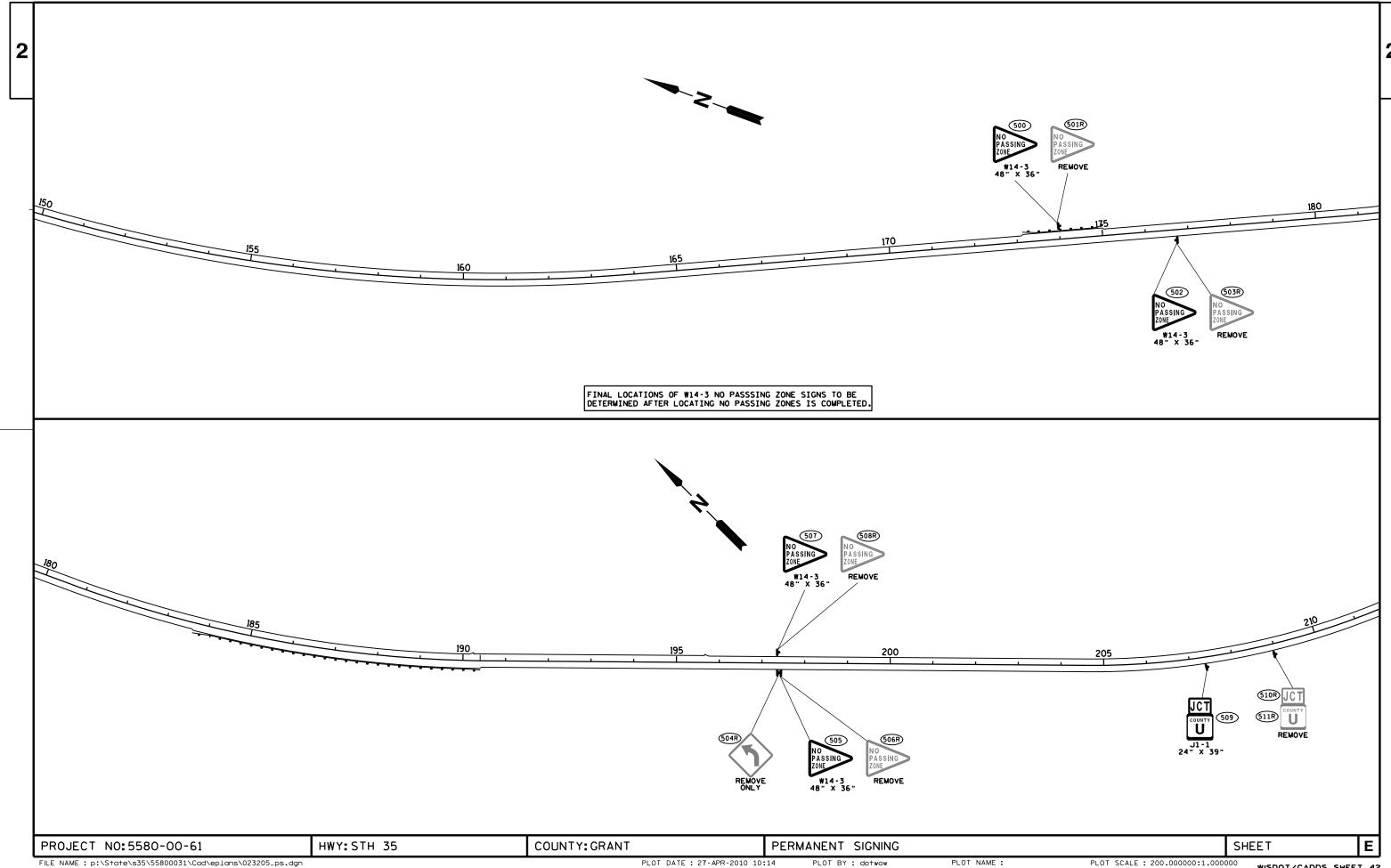
PLOT NAME :

PLOT SCALE: 20.000000:1.000000

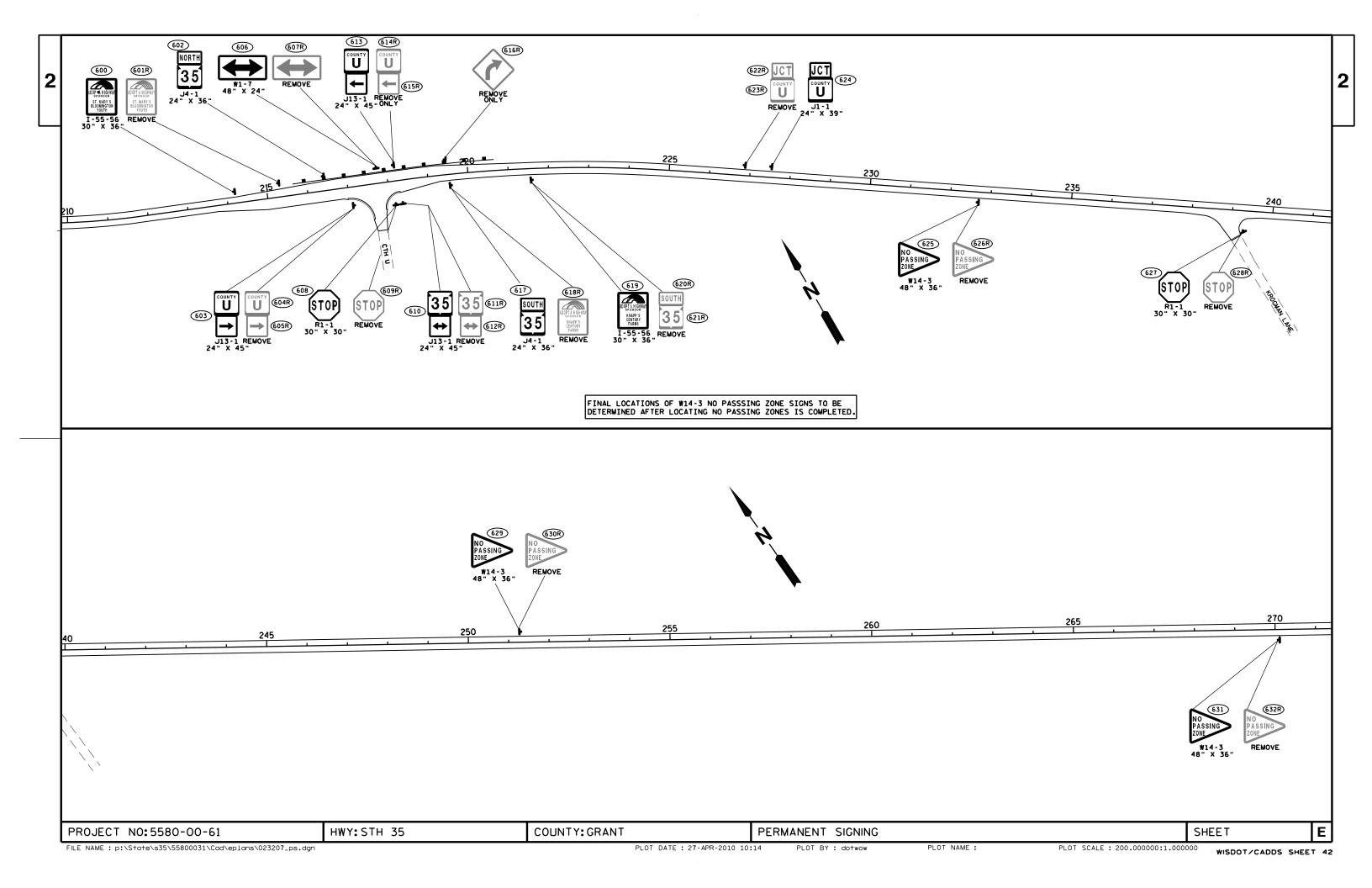


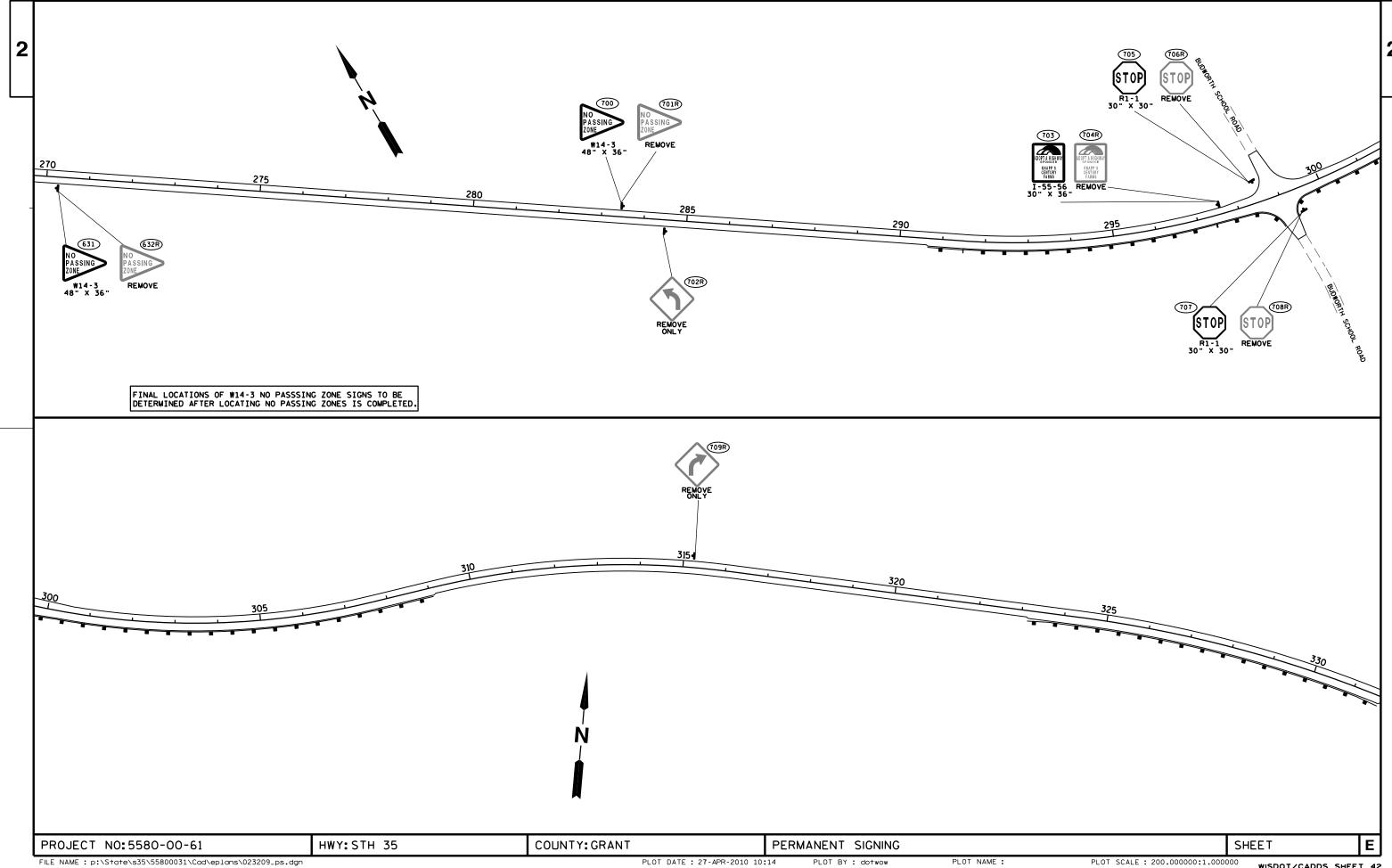




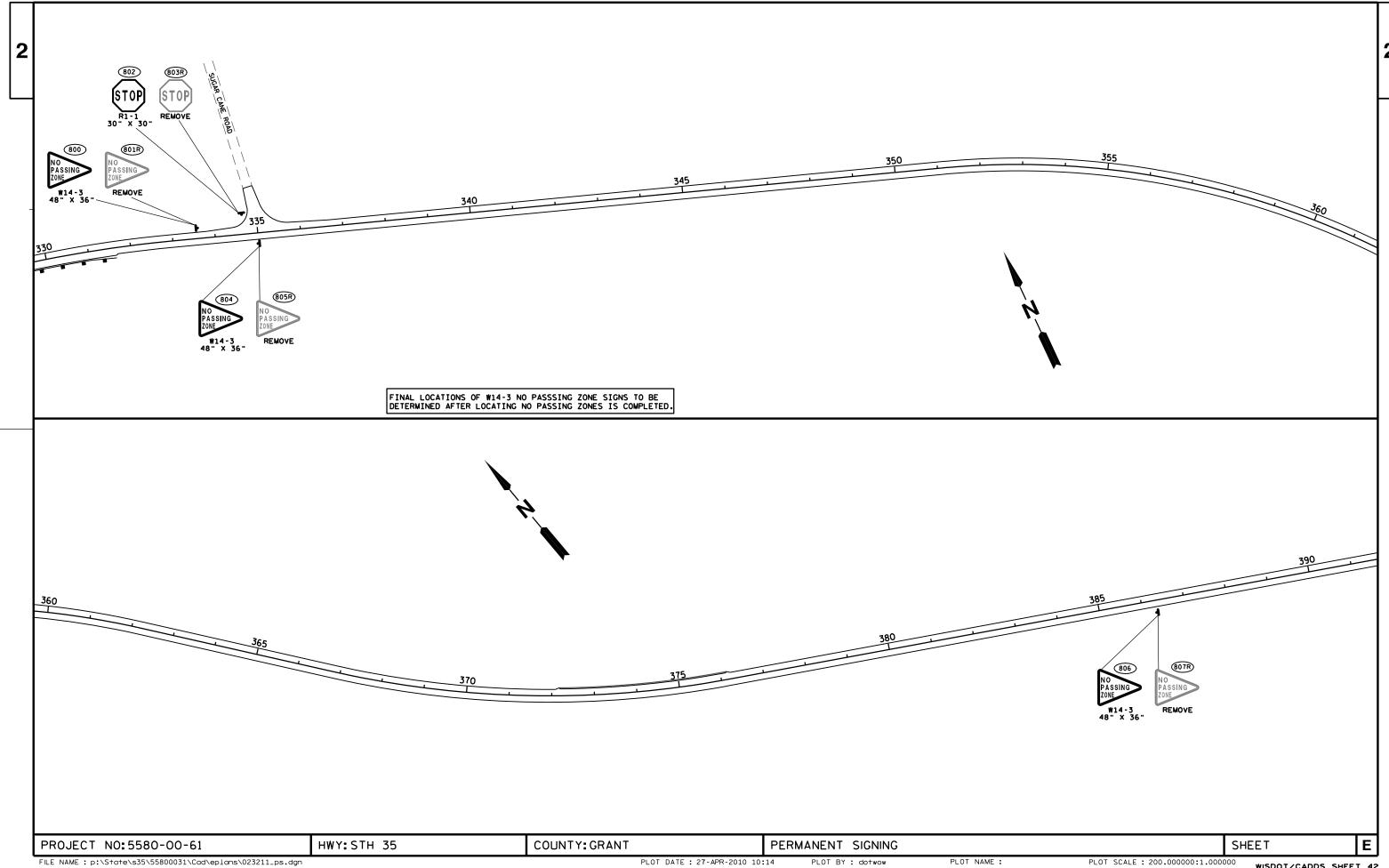


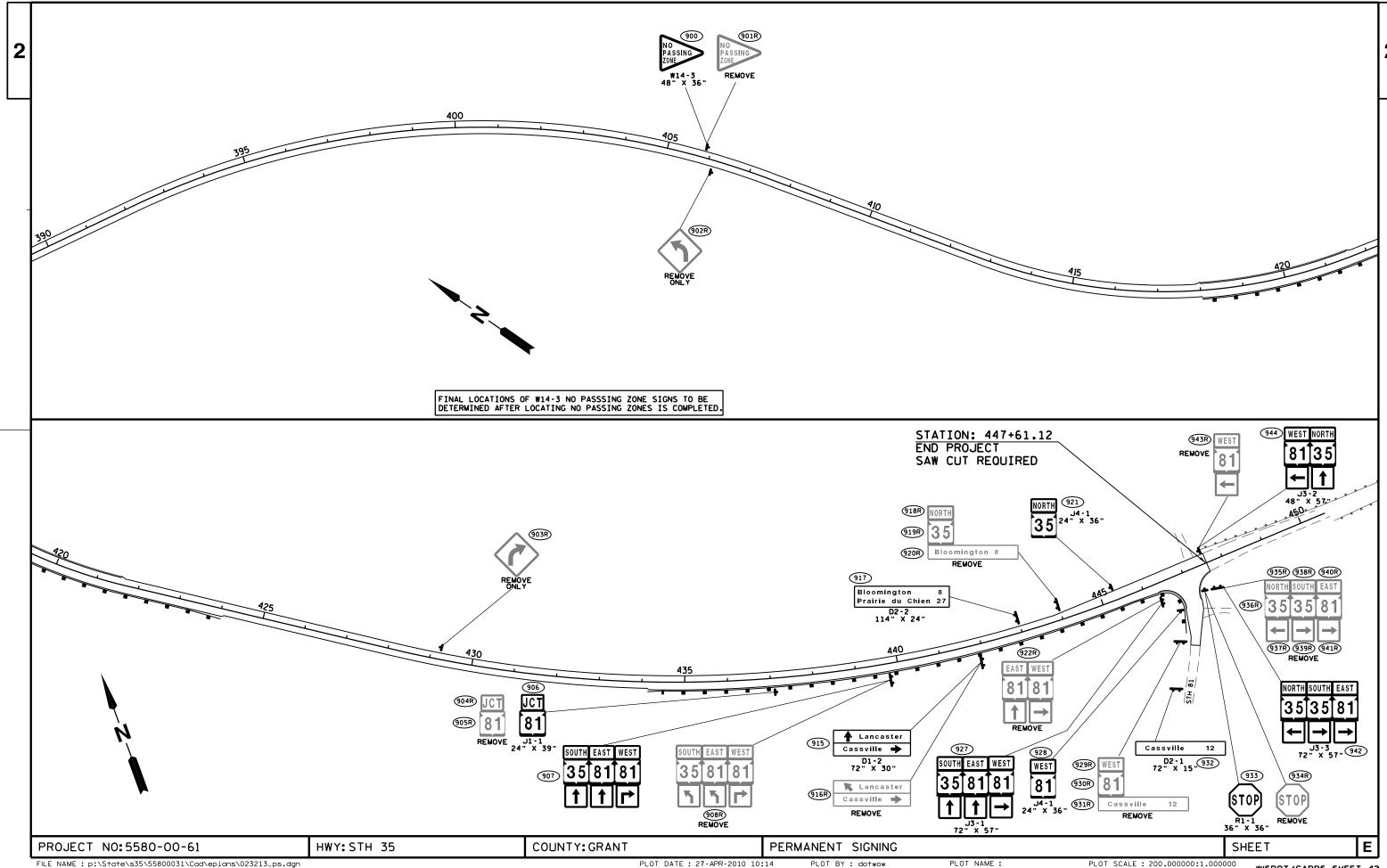
PLOT DATE: 27-APR-2010 10:14 PLOT BY : dotwow PLOT SCALE: 200.000000:1.000000 WISDOT/CADDS SHEET 42

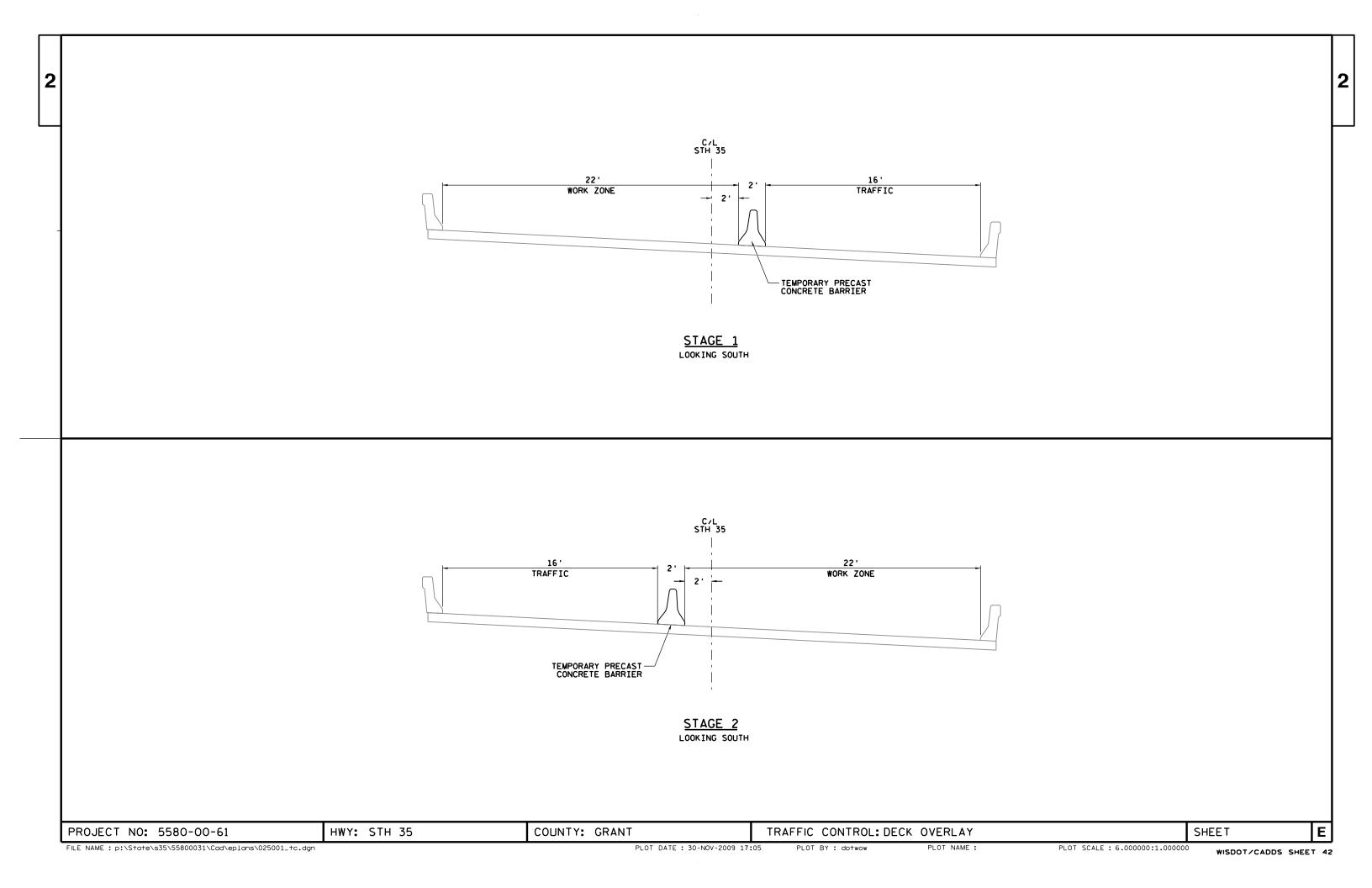


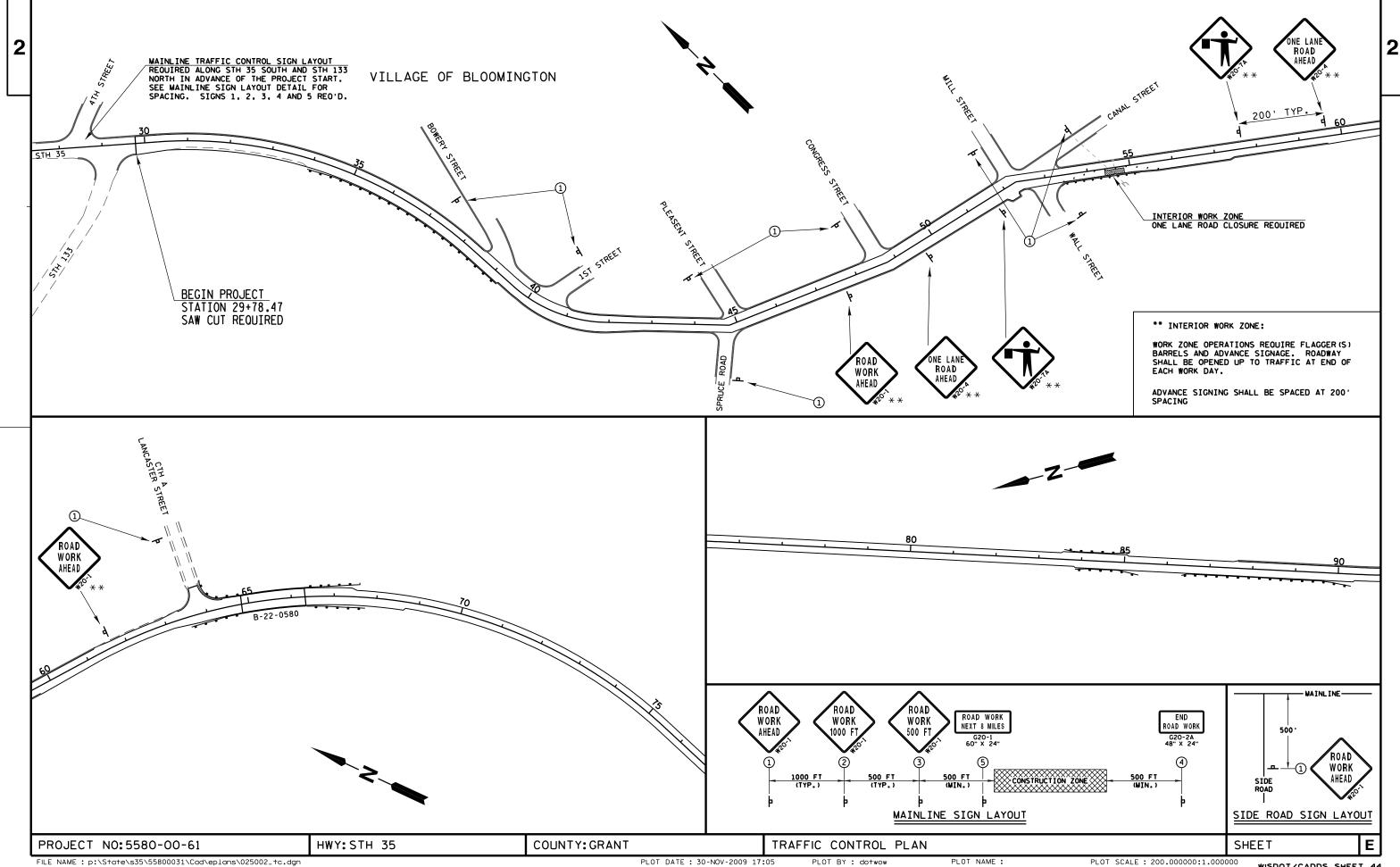


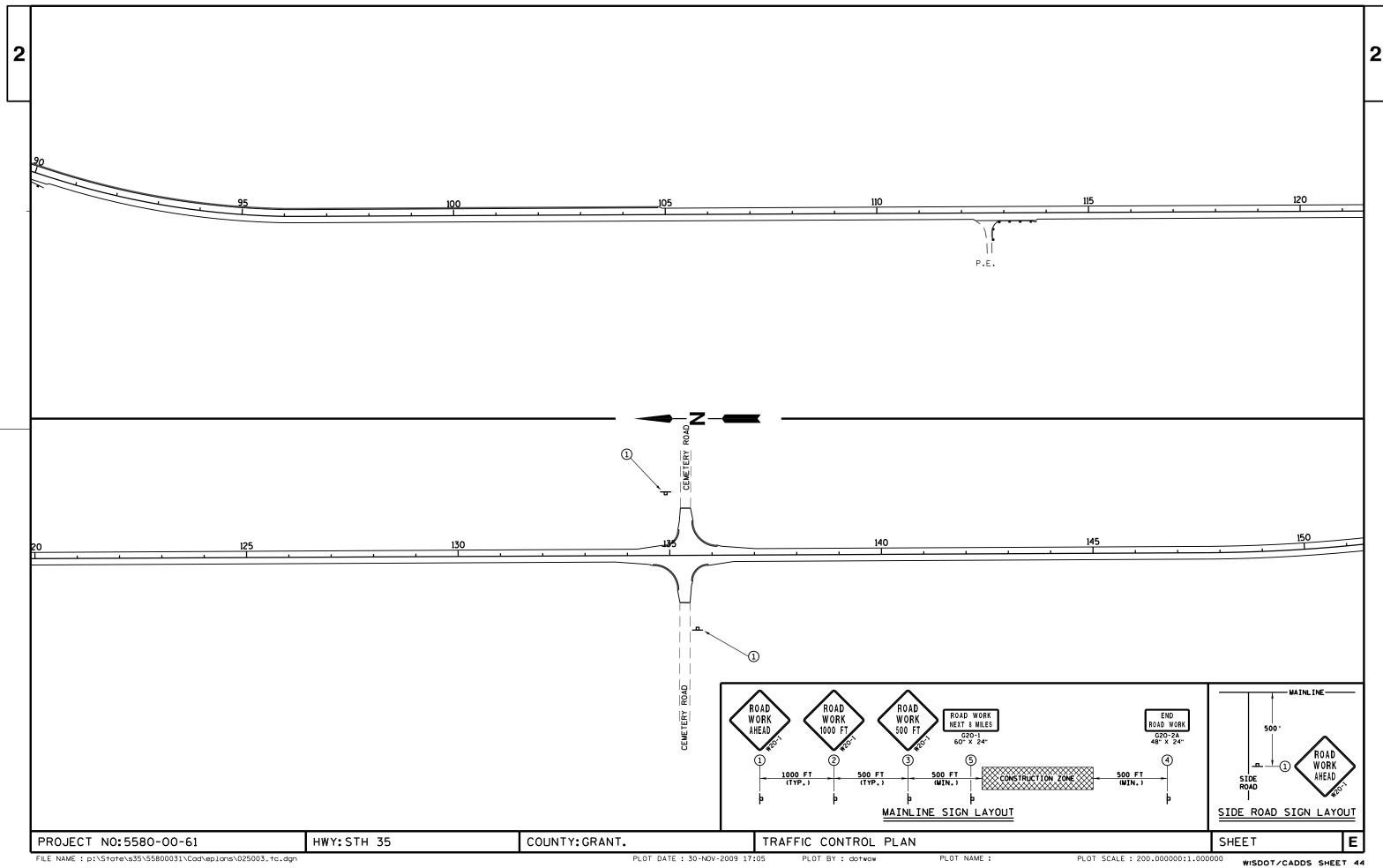
WISDOT/CADDS SHEET 42

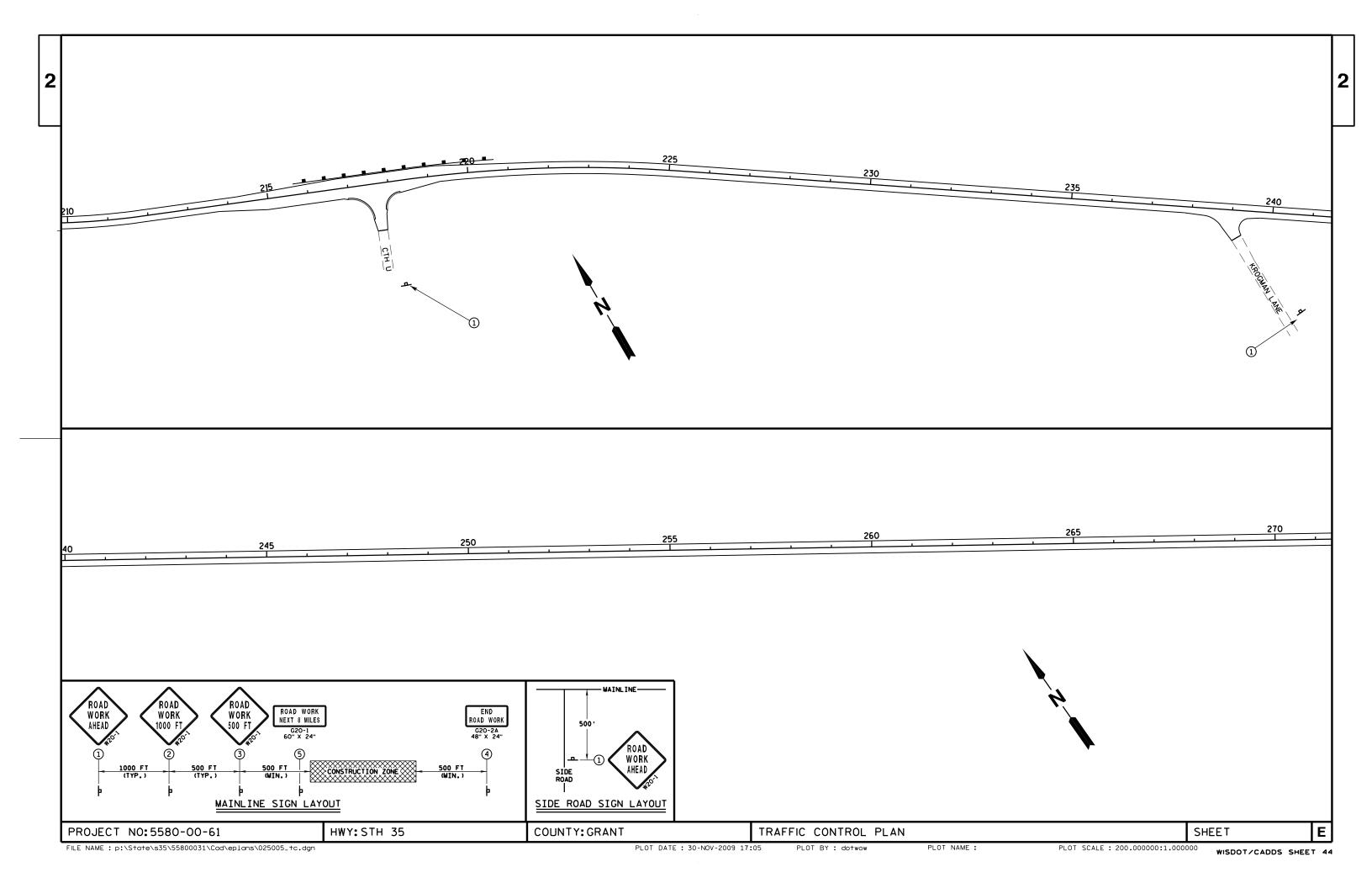


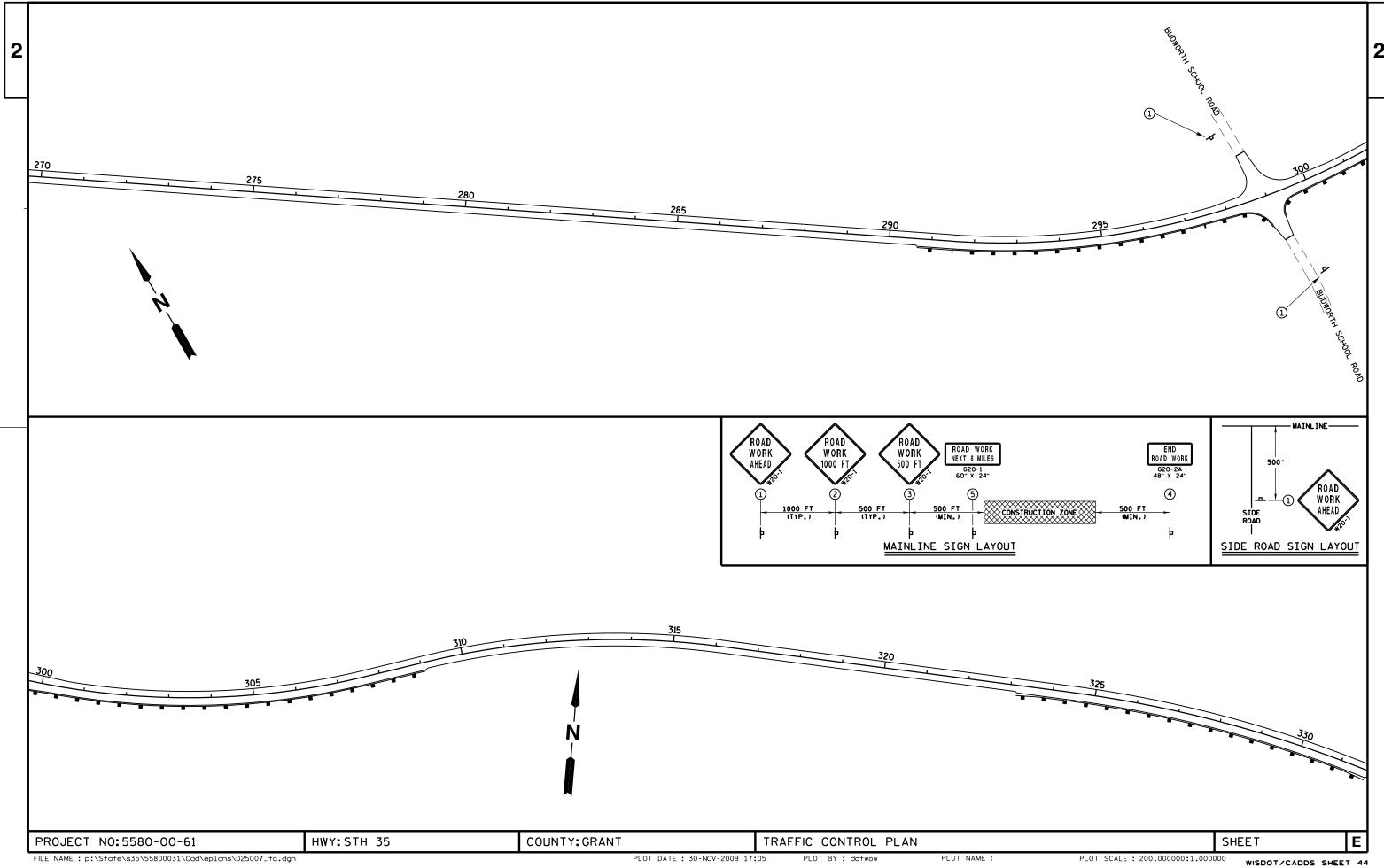


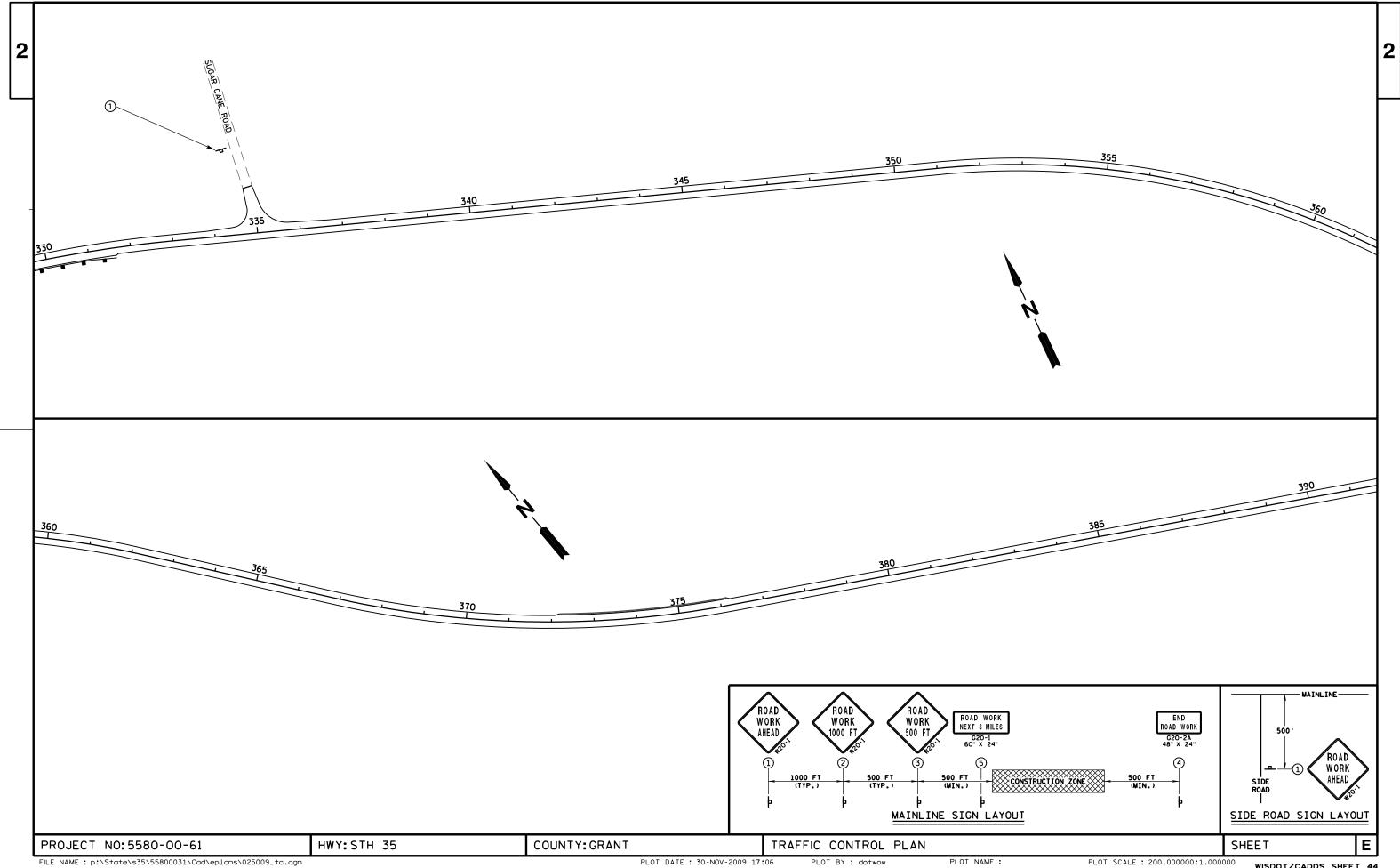


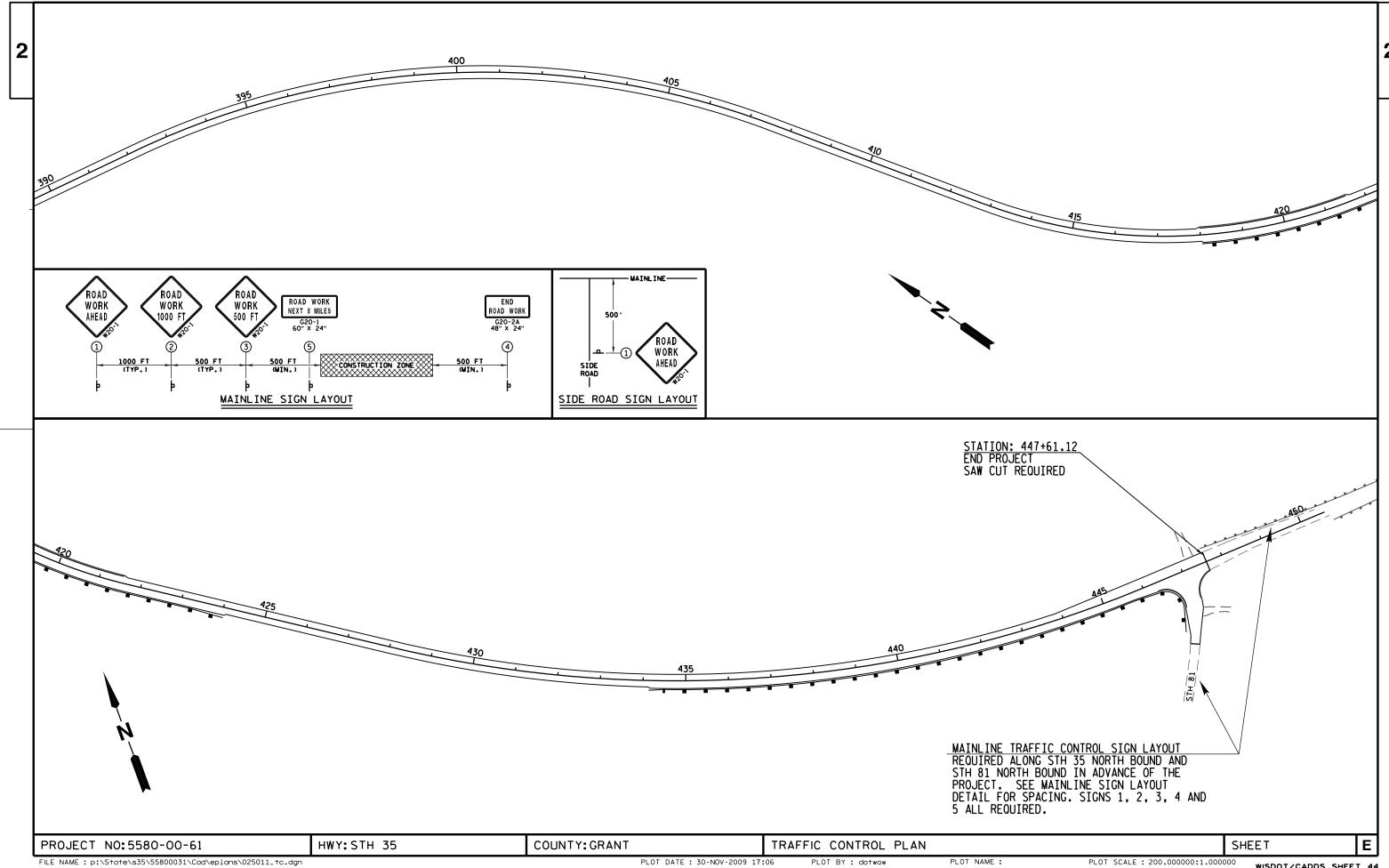












DATE 29 LINE	APR10	E S	TIMAT	E O F Q U A I	N T I T I E S 5580-00-61
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0010	204.0150	REMOVING CURB & GUTTER	LF	45.000	45. 000
0020	204. 0190	REMOVING SURFACE DRAINS	EACH	1. 000	1. 000
0030	204. 9060. S	FREMOVING (ITEM DESCRIPTION) 01. DELINEATOR BRACKETS	EACH	22. 000	22. 000
0040	205. 0100	EXCAVATION COMMON	CY	48. 000	48. 000
0050	205. 9006. S	G GRADING SHAPING & FINISHING FOR BARRIER TERMINALS	EACH	30. 000	30. 000
0800	213. 0100	FINISHING ROADWAY (PROJECT) 02. 5580-00-61	EACH	1.000	1. 000
0100	305. 0115	BASE AGGREGATE DENSE 3/4-INCH	CY	4,004.000	4,004.000
0110	305. 0120	BASE AGGREGATE DENSE 1 1/4-I NCH	TON	4 5. 000	4 5. 000
0120	305.0500	SHAPI NG SHOULDERS	STA	760. 000	760.000
0130	312. 0110	SELECT CRUSHED MATERIAL	TON	35. 000	35. 000
0140 0150	416. 0610 416. 1010	DRILLED TIE BARS CONCRETE SURFACE DRAINS	EACH CY	8. 000 1. 400	8. 000 1. 400
0160	455. 0105	ASPHALTIC MATERIAL PG58-28	TON	932. 000	932. 000
0170	455. 0605	TACK COAT	GAL	3, 745. 000	3, 745. 000
0170	460. 1101	HMA PAVEMENT TYPE E-1	TON	16, 926. 000	16, 926. 000
0190	460. 2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	13, 446. 000	13, 446. 000
0200	490. 0200	SALVAGED ASPHALTIC PAVEMENT MILLING	SY	149, 788. 000	149, 788. 000
0210	502. 3200	PROTECTI VE SURFACE TREATMENT	SY	805.000	805. 000
0220	509. 0301	PREPARATION DECKS TYPE 1	SY	135. 000	135. 000
0230	509. 0302	PREPARATION DECKS TYPE 2	SY 	35. 000	35. 000
0240	509. 0500	CLEANING DECKS	SY	665.000	665. 000
0250	509. 1500	CONCRETE SURFACE REPAIR	SF	25. 000	25. 000
0260	509. 2000	FULL-DEPTH DECK REPAIR	SY	5. 000	5. 000
0270	509. 2500	CONCRETE MASONRY OVERLAY DECKS	CY	28. 000	28. 000
0280	601. 0411	CONCRETE CURB & GUTTER 30-INCH TYPE D	LF	65. 000	65. 000
0290	603. 0500	CONCRETE BARRIER TEMPORARY PRECAST CONTRACTOR FURNISHED & DELIVERED	LF	400. 000	400. 000
0300	603. 0801	CONCRETE BARRIER TEMPORARY PRECAST CONTRACTOR INSTALLED	LF	800.000	800.000
0310	606. 0200	RI PRAP MEDI UM	CY	4. 500	4. 500
0320	614. 0200	STEEL THRIE BEAM STRUCTURE APPROACH	LF	82. 580	82. 580
0330	614. 0305	STEEL PLATE BEAM GUARD CLASS A	LF	6, 225. 000	6, 225. 000
0340	614. 0345	STEEL PLATE BEAM GUARD SHORT RADIUS	LE FACU	65.000	65.000
0350	614. 0370	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL		29. 000	29. 000
0360	614. 0390	STEEL PLATE BEAM GUARD SHORT RADI US TERMI NAL	EACH	1.000	1.000
0370	614. 0920	SALVAGED RAIL	LF	7, 778. 000	7, 778. 000
0400	618. 0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 02. 5580-00-61	EACH	1.000	1. 000
0410	619. 1000	MOBI LI ZATI ON	EACH	0. 750	0. 750
0420	624. 0100	WATER	MGAL	65. 000	65. 000
0430	628. 1504	SILT FENCE	LF	3, 035. 000	3, 035. 000
0440	628. 1520	SILT FENCE MAINTENANCE	LF	3, 035. 000	3, 035. 000
0470	634. 0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	55. 000	55. 000
0480	634. 0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	32.000	32.000
0490	634. 0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	7. 000	7. 000
0500	634. 0808	POSTS TUBULAR STEEL 2X2-INCH X 8-FT	EACH	4. 000	4. 000
0510	637. 0202	SIGNS REFLECTIVE TYPE II	SF	739. 000	739. 000
0520	638. 2602	REMOVING SIGNS TYPE II	EACH	141. 000	141. 000
0530	638. 3000	REMOVING SMALL SIGN SUPPORTS	EACH	97. 000	97. 000
0540	642. 5201	FIELD OFFICE TYPE C	EACH	0. 500	0. 500

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				Grading Shaping & Finishing for		Beam	Beam	Beam	Steel Plate Beam Guard Energy	Beam Guard		Salvaged	0.11	0.11. 5			E	Seeding	0 "	
				Beam Guard Terminals	Borrow	Structure	Guard Class A	Guard Short Radius	Absorbing Terminal	Short Radius Terminal	Salvaged	Wooden Guard Rail	Silt Fence	Silt Fence Maintenance	Salvaged	Mulching	Fertilizer	Mixture No. 30	Seeding	
				205.9006.S	**	Approach 614.0200	614.0305	614.0345	614.0370	614.0390	614.0920	SPV.0090.01	628.1504	628.1520	Topsoil **	**	Type B **	1NO. 30 **	Temporary **	
	Station -	Station	IRT/LTI	EACH	CY	LF	LF	l LF I	EACH	EACH	l LF	LF	l LF	LF	SY	SY	CWT	LB	l LB l	Remarks
3	33+90 - 54+28 - 63+62 - 63+62 -	- 39+15 - 54+73 - 64+83 - 64+83	RT RT RT LT	2	64 32	20.645 20.645	425 50 50		2		300 125 125	50	200 130 130	200 130 130	168 84 84	222 111 111	1.6 0.8 0.8	6 3 3	9 4.5	Repair Area Structure B-22-0580 Structure B-22-0580
\dashv	66+33	67+66	RT	1	32 32	20.645	62.5		1		140		145	145	84	111	0.8 0.8	3	4.5 4.5	Structure B-22-0580 Structure B-22-0580
	66+33	67+54	LT	1	32	20.645	50		1		125		130	130	84	111	0.8	3	4.5	Structure B-22-0580
	83+55 -	85+05	LT	2	64		50		2		200		200	200	168	222	1.6	6	9	
	83+85 -	85+35	RT	2	64		50		2		150		200	200	168	222	1.6	6	9	
	86+35 -	90+35	RT	2	64		300		2		400		200	200	168	222	1.6	6	9	
	112+73 -	113+76	RT	2	64			65	1	1	125		100	100	168	222	1.6	6	9	
	173+13 -		LT	2	64		87.5		2		200		200	200	168	222	1.6	6	9	
	183+65 -	190+40	RT	2	64		575		2		675		200	200	168	222	1.6	6	9	
	215+65 -	220+65	LT	2	64		400		2		500		200	200	168	222	1.6	6	9	
	290+65 -	298+90	RT	2	64		725		2		863		200	200	168	222	1.6	6	9	
	299+35 -	309+10	RT	2	64		875		2		1025		200	200	168	222	1.6	6	9	
	323+15 -	331+65	RT	2	64		750		2		850		200	200	168	222	1.6	6	9	
	418+05 - 434+15 -	424+05 446+75		2 2	64 64		500 1275		2 2		600 1375		200 200	200 200	168 168	222 222	1.6 1.6	6 6	9	
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		Tot	al =	30	960	82.58	6225	65	29	1	7778	50	3035	3035	2520	3330	24	90	135	

^{**} For informational purpose only

			Base Aggregate Dense, 3/4"	Base Aggregate Dense, 1 1/4"	Shaping Shoulders	Select Crushed	Water	
			305.0115	305.0120	305.0500	312.0110	624.0100	
Station -	Station	RT/LT	TON	TON	STA	TON	MGAL	REMARKS
29+78 -	39+25	RT	52		9.5		0.8	Shoulder and Beam Guard Area
54+28 -	54+73	RT	02	45	0.0	35	0.8	Repair Area
59+70 -	64+83	RT/LT	50		8.7		0.8	Shoulders
66+34 -	133+05	M/L	700		126.2		11.2	Shoulders
133+05 -	220+73	M/L	722		170		11.6	Shoulders
220+73 -	299+96	M/L	880		158.5		14.2	Shoulders
299+96 -	336+02	M/L	400		72		6.4	Shoulders
336+02 -	447+61	M/L	1200		215		19.2	Shoulders
						•	·	
	Tota	al	4004	45	760	35	65	

PROJECT NO: 5580-00-61 HWY: STH 35 COUNTY: GRANT MISCELLANEOUS QUANTITIES SHEET: **E**

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		ASPHALTIC MATERIAL	TACK	HMA PAV'T TYPE	SALVAGED ASPHALTIC PAVT	REMOVING (DELINEATOR		Station Lo	ocation	SAWING ASPHALT 690.0150 LF	REMARKS
Station - Station	RT/LT	PG 58-28 455.0105	COAT 455.0605 GAL	E-1 460.1101 TON	MILLING 490.0200 SY	BRACKET) 204.9060.S EACH	REMARKS	29+78 63+21 134+71	M/L LT RT	40 22 24	STH 35 - Begin Project CTH A Cemetary Road
29+78 - 64+84 66+34 - 133+05 133+05 - 220+73 220+73 - 299+96 299+96 - 336+02 336+02 - 447+61	M/L M/L M/L M/L M/L M/L	90 144 201 175 81 241	360 579 807 703 327 969	1628 2618 3646 3177 1478 4379	14405 23167 32266 28113 13084 38753	1 6 5 3 3 4	Project Start to B-22-58 B-22-58 to Cemetary Rd. Cemetary Rd. to CTH U CTH U to Budworth School Rd. Budworth School Rd. to Sugar Cane Rd. Sugar Cane Rd. to Project End	134+71 217+07 238+30 298+32 298+32 334+44 446+00	RT RT RT RT LT LT LT RT M/L	24 24 27 22 22 22 22 22 45	Cemetary Road CTH U Krogman Lane Budworth School Road Budworth School Road Sugar Cane Road STH 82 STH 35 - End Project
Tota	al	932	3745	16926	149788	22	=		Total	294	

CONSTRUCTION STAKING RESURFACING REFERENCE

OON	31110011011 3	TAKING H		G HEI EHENOE
Station	Station	Location	650.8000 LF	Remarks
29+78	- 477+61	LT/RT	83952	Project Limits
20110				
		Total	83952	ı

Station	_	Station	Location	Removing Curb & Gutter 204.0150 LF	Removing Surface Drains 204.0150 EA	Drilled Tie Bars 416.0610 EA	Concrete Surface Drains 416.1010 CY	Concrete Curb & Gutter 30- Inch, Type D 601.0411 LF	Remarks
54+40 64+84	-	54+85	RT RT Total	45 - 45	- 1	- 8	1.4	45 20 65	Repair Area in Bloomington NW Quad of B-22-58

PROJECT NO: 5580-00-61 HWY: STH 35 COUNTY: GRANT MISCELLANEOUS QUANTITIES SHEET	IEET:	Εİ
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				Concrete Barrier		
				Temporary Precast	Concrete Barrier	
				Contractor Furnished	Temporary Precast	
				& Delivered	Contractor Installed	
				603.0500	603.0801	
Station	-	Station	Location	LF	LF	Remarks
64+00	-	68+00	CL	400	800	
						=
			Total	400	800	_

	i i		1	1	1
		Traffic	Traffic Control		
		Control	Warning	Traffic Control	
		Drums	Lights Type A	Signs	
0 / 0		643.0300	643.0705	643.0900	
Station / Side Road	Location	Days	Days	Days	Remarks
Main Line - Start Project	RT	0	0	304	Road Work Ahead, 1000 FT, 500 FT & Next 8 Mi.
Main Line - Start Project	LT	0	0	76	End Road Work
-	LT	_	_	76 76	
Bowery Street		0	0	_	Bloomington Side Street, Road Work Ahead
1st Street	LT	0	0	76 70	Bloomington Side Street, Road Work Ahead
Pleasant Street	LT	0	0	76 70	Bloomington Side Street, Road Work Ahead
Spruce Road	RT	0	0	76 	Bloomington Side Street, Road Work Ahead
Congress Street	LT	0	0	76	Bloomington Side Street, Road Work Ahead
Mill Street	LT	0	0	76	Bloomington Side Street, Road Work Ahead
Canal Street	LT	0	0	76	Bloomington Side Street, Road Work Ahead
Wall Street	RT	0	0	76	Bloomington Side Street, Road Work Ahead
CTH A / Lancaster Road	LT	380	380	76	Bloomington Side Street, Road Work Ahead
Cemetary Road	RT / LT	0	0	152	Rural - Side Road
CTH U	RT	0	0	76	Rural - Side Road
Krogman Lane	RT	0	0	76	Rural - Side Road
Budworth School Road	RT / LT	0	0	152	Rural - Side Road
Sugar Cane Road	LT	0	0	76	Rural - Side Road
STH 81 - South	RT	0	0	304	Road Work Ahead, 1000 FT, 500 FT & Next 8 Mi.
STH 81 - South	LT	0	0	76	End Road Work
STH 35 - End of Project	RT	0	0	76	End Road Work
STH 35 - End of Project	LT	0	0	304	Road Work Ahead, 1000 FT, 500 FT & Next 8 Mi.
Village of Bloomington	RT	1140	1140	304	Lane Shift for Repair Spot 54+28 - 54+73
Beam Guard Locations	RT / LT	24320	24320	0	Beam Guard Removal Areas
	'	1	•	. '	•
	Total	25840	25840	2660	

PROJECT NO: 5580-00-61 HWY: STH 35 COUNTY: GRANT MISCELLANEOUS QUANTITIES SHEET: **E**

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				PAVEMENT MARKING EPOXY 4-INCH	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	REMOVING PAVEMENT MARKINGS	PAVEMENT MARKING STOP LINE EPOXY 18- INCH	LOCATING NO-PASSING ZONES	TEMPORARY PAVEMENT MARKING 4-INCH	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	PAVEMENT MARKING STOP LINE REMOVEABLE TAPE 24-INCH	TEMPORARY TRAFFIC SIGNALS FOR BRIDGES (STRUCTURE)	
STATION	ТО	STATION!	Location	646.0106 LF	646.0406 LF	646.0600 LF	647.0566	648.0100 MI	649.0100 LF	649.0400 LF	649.1400 LF	661.0100 LS	REMARKS
			CL-Yellow	LI	LI	LI				Li	LI	L3	TEMPORARY MARKING DURING CONSTRUCTION
29+50 29+50	-	448+00 73+00	CL-Yellow		8700			8	10463 8700				TEMPORANT MARKING DUNING CONSTRUCTION
64+00	_	75+00	LT- CTH A		8700		20		6700				
64+00	_	67+00	B-22-0580			310	20		1005	1800	24	1	STRUCTURE B-22-0580 PAVEMENT MARKING
73+00	_	80+00	CL-Yellow		875	310			875	1000			OTTOOTOTIL B-22-0300 TAVEINENT MAINTING
80+00	-	83+00	"		600				600				
83+00	-	90+00	"		875				875				
90+00	-	100+00	"		2000				2000				
100+00	-	113+00	"		1625				1625				
113+00	_	124+00	"		275				275				
124+00	_	135+00	"		1375				1375				
135+00	_	165+00	"		6000				6000				
165+00	-	174+00			1125				1125				
174+00	_	177+00			600				600				
177+00	-	185+00	"		1000				1000				
185+00	-	186+00	"		200				200				
186+00	-	197+00	"		1375				1375				
197+00	-	205+50	"		1063				1063				
205+50	-	220+00	"		2900				2900				
217+75			RT-CTH U				20						
220+00	-	232+50	"		1563				1563				
232+50	-	251+50	"		475				475				
251+50	-	260+00	"		1063				1063				
260+00	-	270+00	"		1250				1250				
270+00	-	283+50	"		338				338				
283+50	-	295+00	"		1438				1438				
295+00	-	325+00	"		6000				6000				
325+00	-	333+50	"		1063				1063				
333+50	-	335+00	"		300				300				
335+00	-	342+00	"		875				875				
342+00	-	361+50	"		2438				2438				
361+50	-	375+50	"		2800				2800				
375+50	-	386+50	"		1375				1375				
386+50	-	405+00	"		463				463				
405+00	-	432+00			3375				3375				
432+00 447+00	-	448+00	RT-STH 81		3200		20		3200				
							-						
29+50		39+50	RT- White	1000									
51+50		448+00	"	39650									
53+00		448+00	LT- White	39500									
			TOTALS	80150	58600	310	60	8	70068	1800	24	1	=

MISCELLANEOUS QUANTITIES

_E NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

COUNTY: GRANT

HWY: STH 35

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							634.0614 POSTS WOOD	634.0616 POSTS WOOD	634.0618 POSTS WOOD	634.0808 POSTS TUBULAR STEEL	637.0202 SIGNS	638.2602 REMOVING	638.3000 REMOVING	
							4x6 INCH	4x6 INCH	4x6 INCH	2x2 INCH	REFLECTIVE	SIGNS	SMALL SIGN	
SIGN			SIGN				14-FT	16-FT	18-FT	8-FT	TYPE II	TYPE II	SUPPORTS	
NUMBER	STATION	LOCATION	CODE	SIZE	DESCRIPTION	ORDER LINES	EACH	EACH	EACH	EACH	SF	EACH	EACH	Comments
100R	30+30	Right	R2-1	24" x 30"	Speed Limit _ MPH	35	_			-		1	1	
101	30+30	Right	R2-1	24" x 30"	Speed Limit _ MPH	35	1	-	-	-	5.00	-	-	
102	31+00	Right	J4-2	48" x 36"	Reassurance Assembly (2 Headed Route Panel)	South, Blank	1		-	-	12.00	-	-	
						35, A	-	-	-	-		-		
103R	31+00	Right	D2-1 M1-6	72" x 15"	Destination/Distance (One) with Die Cut Letters State Route Marker	Lancaster 14 35	-	•	-	-	•	1	2	
104R 105R	31+00 31+00	Right Right	M3-3	24" x 24" 24" x 12"	SOUTH Cardinal Route Marker	35		-				1		
106R	31+01	Left	M3-3	24" x 12"	SOUTH Cardinal Route Marker			_				1	1	
107R	31+01	Left	M50-2	48" x 24"	Route Marker Panel (2 Faces)	133, 133	-	-	-			1		
108R	31+01	Left	M6-1	21" x 21"	Arrow - LEFT		-	-	-	-	-	1	-	
109R	31+01	Left	M3-1	24" x 12"	NORTH Cardinal Route Marker		-	-	-	-	-	1	-	
110R	31+01 31+01	Left Left	M6-1 M6-1	21" x 21" 21" x 21"	Arrow - AHEAD Arrow - LEFT		-	-	-			1	-	
111R 112R	31+01	Left	M1-5-A	21 x 21 24" x 24"	County Marker	Α		-				1	-	
113	31+01	Left	J3-4	96" x 57"	Directional Assembly	South, Blank, North, North		-	2		38.00			
						133, A, 35, 133	-	-			-	-	-	
						Left Arrow, Left Arrow, Up Arrow, Up Arrow	-	-	-	-	-	-	-	
114	33+50	Right	D2-1	78" x 15"	Destination/Distance (One) with Die Cut Letters	Lancaster 15	2	-	-	-	8.13	-	-	
115	34+18	Left	D1-3	102" x 36"	Triple Destination/Arrow	Up Arrow, Patch Grove Up Arrow, Prairie du Chien	1	1	-	-	25.50	-	-	
						Up Arrow, Prairie du Chien Left Arrow, Cassville	-	-	-	-	-	-	-	
116R	34+18	Left	D1-3	108" x 36"	Triple Destination/Arrow	Up Arrow, Prairie du Chien	-	-			-	1	2	
					· ·	Up Arrow, Boscobel	-	-	-	-				
						Left Arrow, Cassville	-	-		-	-	-	-	
117R	37+00	Left	M3-3	24" x 12"	SOUTH Cardinal Route Marker						-	1		
118R	37+00 37+00	Left	M50-3	72" x 24"	Route Marker Panel (3 Faces)	133, 35, 133	-	-	-	-	-	1	-	
119R 120R	37+00 37+00	Left Left	M5-1L M3-1	21" x 21" 24" x 12"	Advance Arrow - LEFT TURN NORTH Cardinal Route Marker		-			-		1	-	
121R	37+00	Left	M6-1	21" x 21"	Arrow - AHEAD		-	-	-	-		1		
122R	37+00	Left	M3-1	24" x 12"	NORTH Cardinal Route Marker		-	-	-	-		1		
123R	37+00	Left	M6-1	21" x 21"	Arrow - AHEAD		-		-		-	1		
124	35+65	Left	J3-1	48" x 57"	Route Turn Assembly (2 Headed Route Panel)	North, North	-	-	1	-	19.00	-	-	
						35, 133	-	-	-	-	-	-	-	
124A	37+00	Left	J2-2	48" x 57"	Route Turn Assembly	Up Arrow, Up Arrow South, Blank	-	-		-	19.00		-	Use Ex. Post
1247	37+00	Leit	02-Z	40 × 37	House rull Assembly	133, A		-	-	-	-			USE EX. FUSI
						Left Turn Arrow, Left Turn Arrow	-	-						
125R	37+50	Left	R2-1	24" x 30"	Speed Limit _ MPH	35	-	-	-			1		
126	37+50	Left	R2-1	24" x 30"	Speed Limit _ MPH	35	1	-	-	-	5.00	-		Use Ex. Post
127R	37+50	Right	R2-1	24" x 30"	Speed Limit _ MPH	25	-	-	-	-	-	1	1	
128 129R	37+50 38+30	Right Bowery St.	R2-1 R1-1	24" x 30" 30" x 30"	Speed Limit _ MPH Stop	25	1	-		-	5.00	1	1	
130	38+30	Bowery St.	R1-1	30" x 30"	Stop		1	-			5.18	-	-	
131R	40+51	1st St.	R1-1	30" x 30"	Stop		-	-			-	1	1	
132	40+51	1st St.	R1-1	30" x 30"	Stop		1	-			5.18	-	-	
133R	41+04	Left	M2-1	21" x 15"	Junction Marker	JCT	-	-	-	-		1	-	Light Pole
134R	41+04	Left	M1-6	24" x 24"	State Route Marker	133	-	-	-	-	-	1	-	Light Pole
135	41+04	Left	J1-1	24" x 39"	Junction or End Assembly	JCT 133	1	-	-	-	6.50	-	-	
136R	43+68	Left	M3-1	24" x 12"	NORTH Cardinal Route Marker	133	-			-	-	1	-	Light Pole
137R	43+68	Left	M1-6	24" x 24"	State Route Marker	35	-	-			-	1		Light Pole
138R	44+60	Left	R2-1	24" x 30"	Speed Limit _ MPH	25	-	-	-		-	1	-	Light Pole
139	44+60	Left	R2-1	24" x 30"	Speed Limit _ MPH	25	-	-	-	-	5.00	-		Band to Light Pole
140R	44+60	Pleasant St.	R1-1	30" x 30"	Stop		-	-		-	-	1	1	
141 142R	44+60 44+90	Pleasant St. Spruce Rd.	R1-1 R1-1	30" x 30" 30" x 30"	Stop Stop		1	-	-	-	5.18	- 1	- 1	
1421	44+90 44+90	Spruce Rd.	R1-1	30" x 30"	Stop		1			-	- 5.18	-	-	
144R	45+10	Right	M3-3	24" x 12"	SOUTH Cardinal Route Marker		-			-	-	1	1	
145R	45+10	Right	M1-6	24" x 24"	State Route Marker	35	-					1	-	
146R	45+10	Right	R2-1	24" x 30"	Speed Limit _ MPH	25	-	-	-	-	-	1	-	
147	45+10	Right	R2-1	24" x 30"	Speed Limit _ MPH	25	1	-		-	5.00		-	
148R	48+43	Congress St. Congress St.	R1-1 R1-1	30" x 30"	Stop		- 1		•		5.18	1	1 -	
149 150R	48+43 51+90	Congress St. Left	R1-1 R2-1	30" x 30" 24" x 30"	Stop Speed Limit _ MPH	25	-	-	-	-	5.18	- 1	-	Light Pole
151	51+90	Left	R2-1	24" x 30"	Speed Limit _ MPH	25	-	-	-	-	5.00	-		Band to Light Pole
152R	52+00	Mill St.	R1-1	30" x 30"	Stop		-	-	-	-	-	1	1	
153	52+00	Mill St.	R1-1	30" x 30"	Stop		1	-			5.18	-	-	
154R	53+00	Canal St.	R1-1	30" x 30"	Stop		-	-	-	-	-	1	1	
155	53+00	Canal St.	R1-1	30" x 30"	Stop	25	1				5.18		-	
156R 157R	53+40 53+40	Left Left	M1-6 M6-2	24" x 24" 21" x 21"	State Route Marker Arrow Tilt Right or Left	35	-					1	1	
1576	53+40	Left	J3-1	21" x 21" 24" x 57"	Directional Assembly	SOUTH	-	1	-	-	7.50	-	-	
					•	35	-	-	-	-	-	-	-	
						Tilt Right		-	-	-	-	-	-	
						Subtotal =	16	2	3	0	202	39	18	

634.0808

MISCELLANEOUS QUANTITIES

COUNTY: GRANT PLOT DATE : __ PLOT NAME : PLOT SCALE : 1:1

HWY: STH 35

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SIGN			SIGN				634.0614 POSTS WOOD 4x6 INCH 14-FT	634.0616 POSTS WOOD 4x6 INCH 16-FT	634.0618 POSTS WOOD 4x6 INCH 18-FT	POSTS TUBULAR STEEL 2x2 INCH 8-FT	637.0202 SIGNS REFLECTIVE TYPE II	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	
NUMBER	STATION	LOCATION	CODE	SIZE	DESCRIPTION	ORDER LINES	EACH	EACH	EACH	EACH	SF	EACH	EACH	Comments
159R	53+35	Crossroad	R1-1	30" x 30"	Stop		-	-	-	-	-	1	1	
160	53+35	Crossroad	R1-1	30" x 30"	Stop		1	-	-	-	5.18	-	-	
161R	53+60	Right	R2-1 R2-1	24"x 30"	Speed Limit _ MPH	25 25	-	-	-	-	- 5.00	1	1	
162 163R	53+60 59+15	Right Right	M2-1	24"x 30" 21" x 15"	Speed Limit _ MPH Junction Marker	JCT	-	-			5.00	1		
164R	59+15	Right	M1-5-A	24" x 24"	County Marker	A	-	-			-	1	1	
165	59+15	Right	J13-1	24" x 45"	Route Turn Assembly W/O Cardinal	A	1	-	-	-	7.50	-	-	
200R	61+15	Left	R2-1	24" x 30"	Speed Limit _ MPH	Left Turn Arrow 25	-	-	-			1	1	
201	61+15	Left	R2-1	24" x 30"	Speed Limit _ MPH	25	1	-	-	-	5.00	-	-	
202	61+15	Right	R2-1	24" x 30"	Speed Limit _ MPH	45	1	-	-	-	5.00	-	-	
203R 204	61+15 63+74	Right CTH A	R2-1 J13-2	24" x 30" 48" x 45"	Speed Limit _ MPH Directional W/O Cardinal	45 35 , A	-	- 1	-	-	15.00	1	1 -	
204	05+74	OIIIA	010-2	40 X 43	Directional W/O Calcinal	Double Arrow, Right Arrow		-	-	-	-	-	-	
205R	63+74	CTH A	R1-1	30" x 30"	Stop		-	-	-	-	-	1	1	
206	63+74	CTH A	R1-1	30" x 30"	Stop		1	-	-	-	5.18	-	-	
207	63+40	Right	J13-1	24" x 45"	Route Turn Assembly W/O Cardinal	A Left Arrow	-	-	-	-	7.50	-		
208R	63+40	Right	M1-5-A	24" x 24"	County Marker	A	-	-	-	-	-	1	1	
209R	63+40	Right	M6-1	21" x 21"	Arrow - LEFT		-	-	-	-	-	1	-	
210	63+75	Right	W1-7	48" x 24"	Double Night Arrow		1	-	-	-	8.00	-	•	
211R 212R	63+75 63+75	Right Right	M1-5-A M6-1	24" x 24" 21" x 21"	County Marker Arrow - RIGHT	A	-		-	-	-	1	1	
213R	63+75	Right	M1-6	24" x 24"	State Route Marker	35	-	-	-		-	1	-	
214R	63+75	Right	M6-4	21" x 21"	Directional Arrows Left - Right		-	-	-	-	-	1	1	
215R	64+15	Left	M1-5-A	24" x 24"	County Marker	A	-	-	-	-	-	1	1	
216R 217	64+15 64+15	Left Left	M6-6 J13-1	21" x 21" 24" x 45"	Directional Arrows LA/UA COMBO OR UA/RA Route Turn Assembly W/O Cardinal	A		1	-		7.50	1		
2	01110	2011	0.0	21 X 10	ricato tam riccomo, vivo carama	Up Arrow/Right Arrow	-	-	-		-	-	-	
218R	64+80	Left	W5-52-L	12" x 36"	Clearance Striper Down Right		-	-	-	-	-	1	1	
219	64+80	Left	W5-52-L	12" x 36"	Clearance Striper Down Right		-	-	-	1	3.00	-	-	
220 221R	64+80 64+80	Right Right	W5-52-R W5-52-R	12" x 36" 12" x 36"	Clearance Striper Down Left Clearance Striper Down Left		-		-	1	3.00	- 1	1	
222	66+38	Right	W5-52-L	12" x 36"	Clearance Striper Down Right		-	-	-	1	3.00	-	-	
223R	66+38	Right	W5-52-L	12" x 36"	Clearance Striper Down Right		-		-	-		1	1	
224 225R	66+38 66+38	Left Left	W5-52-R W5-52-R	12" x 36" 12" x 36"	Clearance Striper Down Left Clearance Striper Down Left		-		-	1	3.00	- 1	- 1	
226	67+60	Right	I-55-56	30" x 36"	Adopt-A-Highway [Sponsor]	St. Mary's	1		-	-	7.50		-	
		-				Bloomington	-	-	-	-	-	-	-	
007D	67.60	Dielet	155.50	00" 00"	Adam A History [Onesan]	Youth	-		-	-		-		
227R	67+60	Right	I-55-56	30" x 36"	Adopt-A-Highway [Sponsor]	St. Mary's Bloomington	-	-	-	-		1	1	
						Youth	-	-	-		-	-	-	
228	67+97	Left	W3-5	36" x 36"	Speed Limit Arrow	25	-	1	-	-	9.00	-	-	
229R	67+97	Left	W13-1-W	18" x 18"	Advisory Speed - WHITE Back	25	-	-	-	-	-	1	-	
230R 231R	67+97 68+50	Left Left	R2-5-A I-2-3	24" x 30" 78" x 24"	Reduced Speed Ahead Community Population Name Sign	Bloomington	-	-	-	-	-	1	2	
					or and organization of the second organization organ	Population 701	-	-	-	-	-	-	-	
232	69+00	Left	I-2-3	78" x 24"	Community Population Name Sign	Bloomington	2	-		-	13.00	-	-	
233	71+00	Left	J1-1	24" x 39"	Junction or End Assembly	Population 701 JCT	1				6.50		-	
200	71+00	Leit	01-1	2 4 X 35	Currently of End Assembly	A		-	-		0.50		-	
234R	72+19	Left	M2-1	21" x 15"	Junction Marker	JCT	-	-	-		-	1	-	
235R	72+19	Left	M1-5-A	24" x 24"	County Marker	A	-	-	-	-	-	1	1	
236 237R	73+78 73+78	Left Left	R2-1 R2-1	24" x 30" 24" x 30"	Speed Limit _ MPH Speed Limit MPH	45 45	1 -	-	-	-	5.00	- 1	- 1	
238	73+78	Right	R2-1	24" x 30"	Speed Limit _ MPH	55	1	-	-	-	5.00	-	-	
239R	73+78	Right	R2-1	24" x 30"	Speed Limit _ MPH	55		-	-	-	-	1	1	
300 201B	79+00 70 - 59	Left	W3-5	36" x 36"	Speed Limit Arrow	45	-	1	-	•	9.00	-	-	
301R 302R	79+58 79+58	Left Left	R2-5-A W13-1-W	24" x 30" 18" x 18"	Reduced Speed Ahead Advisory Speed - WHITE Back	45				-	-	1	- 1 -	
303	81+70	Left	W1-2-L	30" x 30"	Left Curve		-	1	-	-	6.25	-	-	
304	81+70	Left	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45	-	-	-	-	2.25	-	-	
305	81+70	Left	W14-3	48" x 36"	No Passing Zone		1	-			6.00	- 1	-	
306R 307R	81+70 81+70	Left Left	W14-3 W1-2-L	48" x 36" 30" x 30"	No Passing Zone Left Curve							1	1	
308R	81+70	Left	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45	-	-	-		-	1	-	
309R	82+80	Right	W1-2-L	30" x 30"	Left Curve		-	-	-	-	-	1	1	
310 311R	83+81	Right	W14-3 W14-3	48" x 36" 48" x 36"	No Passing Zone		-	1	-	-	6.00	- 1	- 1	
SIIN	83+81	Right	VV 14-3	40 X 30	No Passing Zone	Subtotal =	14	7	0	4	158	34	26	
							•••	-		•				

634.0808

MISCELLANEOUS QUANTITIES

COUNTY: GRANT PLOT SCALE : 1:1 PLOT DATE : __ PLOT NAME : ____

HWY: STH 35

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						F		634.0616 POSTS WOOD	634.0618 POSTS WOOD		637.0202 SIGNS	638.2602 REMOVING		
SIGN	STATION	LOCATION	SIGN	SIZE	DESCRIPTION	ORDER LINES	4x6 INCH 14-FT EACH	4x6 INCH 16-FT EACH	4x6 INCH 18-FT EACH	2x2 INCH 8-FT EACH	REFLECTIVE TYPE II SF	SIGNS TYPE II EACH	SMALL SIGN SUPPORTS EACH	Comments
NOMBER						ONDER LINES	LAGIT	LAOIT	LAGIT	LAGIT		LAGIT	LAOIT	Comments
400 401R	99+00 103+87	Left Left	W1-2-R W1-2-R	30" x 30" 30" x 30"	Right Curve Right Curve		1	-	-	-	6.25	- 1	- 1	
402R	105+98	Left	W7-1	36" x 36"	Hill		-	-	-	-	-	1	1	
403	113+90	Right	W14-3	48" x 36"	No Passing Zone		-	1	-		6.00	-	-	
404R 405R	113+90 123+98	Right Right	W14-3 W2-1	48" x 36" 30" x 30"	No Passing Zone Cross Road					-	-	1	1	
406	124+51	Left	W14-3	48" x 36"	No Passing Zone			1			6.00	-		
407R 408	124+51 127+00	Left Right	W14-3 W2-1	48" x 36" 30" x 30"	No Passing Zone Cross Road			- 1			6.25	1 -	1	
409R	135+55	Cemetary Rd. (Lt)	R1-1	30" x 30"	Stop		-	-	-	-	-	1	1	
410	135+55	Cemetary Rd. (Lt)	R1-1	30" x 30"	Stop		1	-	-	-	5.18	-	-	
411R 412	135+60 135+60	Cemetary Rd. (Rt) Cemetary Rd. (Rt)	R1-1 R1-1	30" x 30" 30" x 30"	Stop Stop		1	-			5.18	1 -	1 -	
413R	142+42	Left	W2-1	30" x 30"	Cross Road		-	-	-	-	-	1	1	
414 500	143+50 174+00	Left Left	W2-1 W14-3	30" x 30" 48" x 36"	Cross Road No Passing Zone		1 -	- 1			6.25 6.00	-		
501R	174+00	Left	W14-3	48" x 36"	No Passing Zone			-		-	-	1	1	
502 503R	176+74 176+74	Right Right	W14-3 W14-3	48" x 36" 48" x 36"	No Passing Zone		-	1	-	-	6.00	-	-	
503R	197+38	Right	W1-2-L	30" x 30"	No Passing Zone Left Curve		-	-	-	-	-	1	-	
505	197+38	Right	W14-3	48" x 36"	No Passing Zone			1	-		6.00	-	-	
506R 507	197+38 197+38	Right Left	W14-3 W14-3	48" x 36" 48" x 36"	No Passing Zone No Passing Zone		1			-	6.00	1 -	1 -	
508R	197+38	Left	W14-3	48" x 36"	No Passing Zone		-	-	-		-	1	1	
509	207+50	Right	J1-1	24" x 39"	Junction or End Assembly	JCT U	1	-	-	-	6.50	-	-	
510R	209+00	Right	M2-1	21" x 15"	Junction Marker	JCT	-	-	-	-	-	1	-	
511R	209+00	Right	M1-5-A	24" x 24"	County Marker	U	-					1	1	
600	214+25	Left	I-55-56	30" x 36"	Adopt-A-Highway [Sponsor]	St. Mary's Bloomington Youth	1 -	-		- -	7.50 - -	-	-	
601R	215+20	Left	I-55-56	30" x 36"	Adopt-A-Highway [Sponsor]	St. Mary's Bloomington Youth	-	-	-	-	-	1 -	1 -	
602	216+25	Left	J4-1	24" x 36"	Reassurance Assembly (1 Headed Route Panel)	North	1	•	•	-	6.00	-	•	
603	217+15	Right	J13-1	24" x 45"	Directional without Cardinal (1 Headed Route Panel)	35 U	- 1	-			- 7.50	-	-	
						Right Arrow	-	-			-	-	-	
604R 605R	217+15 217+15	Right Right	M1-5-A M6-1	24" x 24" 21" x 21"	County Marker Arrow - RIGHT, LEFT, OR AHEAD	U	-	-	-	-	-	1	1	
606	217+75	Left	W1-7	48" x 24"	Night Arrow (Double)		1	-	-	-	8.00	-	-	
607R 608	217+75 218+05	Left Right	W1-7 R1-1	48" x 24" 30" x 30"	Night Arrow (Double) Stop		1	-			5.18	1 -	1 -	
609R	218+05	Right	R1-1	30" x 30"	Stop		-	-	-		-	1	1	
610	218+06	Right	J13-1	24" x 45"	Route Turn Assembly W/O Cardinal	35 Double Arrow	•	1	-	-	7.50	-	-	
611R	218+06	Right	M1-6	24" x 24"	State Route Marker	35			-			1	1	
612R	218+06	Right	M6-4	21" x 21"	Directional Arrows Left - Right		-	-	-	-	-	1	-	
613	218+05	Left	J13-1	24" x 45"	Directional without Cardinal (1 Headed Route Panel)	U Left Arrow		-	-	-	7.50	-		
614R	218+05	Left	M1-5-A	24" x 24"	County Marker	U	-	-	-	-	-	1	1	
615R 616R	218+05 219+50	Left Left	M6-1 W1-2-R	21" x 21" 30" x 30"	Arrow - LEFT Right Curve						-	1	1	
617	219+50	Right	J4-1	24" x 36"	Reassurance Assembly (1 Headed Route Panel)	South	-	1			6.00	-	-	
618R	219+50	Right	I-55-56	30" x 36"	Adopt-A-Highway [Sponsor]	35 Knapp's	-	-	-	-	-	- 1	- 1	
01011	213730	riigin	1-33-30	30 X 30	Adopt-A-Highway [oponsor]	Century	-	-	-	-	-	-	-	
040	004 50	D: 11	155.50	2011 2011	A	Farms					-		-	
619	221+50	Right	I-55-56	30" x 36"	Adopt-A-Highway [Sponsor]	Knapp's Century		1 -		-	7.50	-		
						Farms				-	-	-		
620R 621R	221+50 221+50	Right Right	M3-3 M1-6	24" x 12" 24" x 24"	SOUTH Cardinal Route Marker State Route Marker	SOUTH 35	-		-			1	1 -	
622R	226+90	Left	M2-1	21" x 15"	Junction Marker	JCT	-	-	-	-	-	1	-	
623R	226+90	Left Left	M1-5-A	24" x 24"	County Marker	U	1				6.50	1	1	
624	227+50	Leit	J1-1	24" x 39"	Junction or End Assembly	JCT U	-				-	-	-	
625	232+70	Right	W14-3	48" x 36"	No Passing Zone		1	-			6.00	-	-	
626R 627	232+70 239+40	Right Right	W14-3 R1-1	48" x 36" 30" x 30"	No Passing Zone Stop		1		-		5.18	1 -	1 -	
628R	239+40	Right	R1-1	30" x 30"	Stop		-	-	-	•	-	1	1	
629 630R	251+23 251+23	Left Left	W14-3 W14-3	48" x 36" 48" x 36"	No Passing Zone No Passing Zone		-	1 -	-		6.00	- 1	- 1	
33311		2011	5	50		Subtotal =	14	11	0	0	158	33	26	

634.0808

MISCELLANEOUS QUANTITIES

| PLOT DATE : _____ PLOT BY : ____ PLOT NAME : ____ PLOT SCALE : 1:1

COUNTY: GRANT

HWY: STH 35

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SIGN NUMBER	STATION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES	634.0614 POSTS WOOD 4x6 INCH 14-FT EACH	634.0616 POSTS WOOD 4x6 INCH 16-FT EACH	634.0618 POSTS WOOD 4x6 INCH 18-FT EACH	634.0808 POSTS TUBULAR STEEL 2x2 INCH 8-FT EACH	637.0202 SIGNS REFLECTIVE TYPE II SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	Comments
631	270+19	Right	W14-3	48" x 36"	No Passing Zone		1	-	-	-	6.00	-	-	
632R	270+19	Right	W14-3	48" x 36"	No Passing Zone		-	-	-	-	-	1	1	
700	283+44	Left	W14-3	48" x 36"	No Passing Zone		-	1	-	-	6.00	-	-	
701R 702R	283+44 284+50	Left Right	W14-3 W1-2-L	48" x 36" 30" x 30"	No Passing Zone Left Curve		-	-	-	-	-	1	1	
703	297+65	Left	I-55-56	30" x 36"	Adopt-A-Highway [Sponsor]	Knapp's	_	1		-	7.50	-	-	
						Century	-	-	-	-	-	-	-	
						Farms	-	-	-	-	-	-	-	
704R	297+65	Left	I-55-56	30" x 36"	Adopt-A-Highway [Sponsor]	Knapp's Century Farms	- - -	-	- - -	- - -	- - -	1 - -	1 - -	
705	298+70	Budworth School Rd (Lt)	R1-1	30" x 30"	Stop	T dillio	1	-	-	-	5.18	-	-	
706R	298+70	Budworth School Rd (Lt)	R1-1	30" x 30"	Stop		-	-	-	-	-	1	1	
707	299+28	Budworth School Rd (Rt)	R1-1	30" x 30"	Stop		-	1	-	-	5.18	-	-	
708R 709R	299+28 315+07	Budworth School Rd (Rt) Left	R1-1 W1-2-R	30" x 30" 30" x 30"	Stop Right Curve							1	1	
800	333+60	Left	W1-2-R W14-3	48" x 36"	No Passing Zone		1	-	-	-	6.00	-	-	
801R	333+60	Left	W14-3	48" x 36"	No Passing Zone		-	-	-	-	-	1	1	
802	334+75	Sugar Cane Rd	R1-1	30" x 30"	Stop		1	-	-	-	5.18	-	-	
803R 804	334+75 335+00	Sugar Cane Rd Right	R1-1 W14-3	30" x 30" 48" x 36"	Stop No Passing Zone		-	-	-	-	6.00	1 -	1	
805R	335+00	Right	W14-3	48" x 36"	No Passing Zone		-	-	-	_	-	1	1	
806	386+35	Right	W14-3	48" x 36"	No Passing Zone		-	1	-	-	6.00	-	-	
807R	386+35	Right	W14-3	48" x 36"	No Passing Zone		-	-	-	-	-	1	1	
900 901R	405+94 405+94	Left Left	W14-3 W14-3	48" x 36" 48" x 36"	No Passing Zone No Passing Zone		1	-	-	-	6.00	- 1	- 1	
902R	406+10	Right	W1-2-L	30" x 30"	Left Curve		-	-	-	-	-	1	1	
903R	429+12	Left	W1-2-R	30" x 30"	Right Curve		-	-	-	-	-	1	1	
904R	437+05	Right	M2-1	21" x 15"	Junction Marker	JCT	-	-	-	-	-	1	-	
905R 906	437+05 437+05	Right Right	M1-6 J1-1	24" x 24" 24" x 39"	State Route Marker Junction or End Assembly	81 JCT	1	-	-	-	6.50	-	-	
		3				81	-	-	-	-		-	-	
907	439+73	Right	J2-3	72" x 57"	Route Turn Assembly (3 Headed Route Panel)	South, East, West 35, 81, 81	-	1 -	1 -	- -	28.50	-	-	
908R	439+73	Right	J2-3	72" x 57"	Route Turn Assembly (3 Headed Route Panel)	Up Arrow, Up Arrow, Right Turn Arrow South, East, West 35, 81, 81	-	-	-	-	-	2	2	
						Tiltt Left Arrow, Tilt Left Arrow, Right Turn Arrow	-	-	-	-	-	-	-	
915	441+84	Right	D1-2	72" x 30"	Two Destinations (Arrows)	Up Arrow, Lancaster	1	1	-	-	15.00	-	-	
916R	441+84	Right	D1-2	72" x 30"	Two Destinations (Arrows)	Cassville, Right Arrow Tilt Left Arrow, Lancaster	-	-	-	-	-	1	2	
		g				Cassville, Right Arrow	-	-	-	-	-	-	-	
917	443+90	Left	D2-1	84" x 15"	Destination/Distance (One) with Die Cut Letters	Bloomington 8	2	-	-	-	8.75	-	-	
918R 919R	443+90 443+90	Left Left	M3-1 M1-6	24" x 12" 24" x 24"	NORTH Cardinal Route Marker State Route Marker	35	-	-	-	-		1	-	
920R	443+90	Left	D2-1	84" x 15"	Destination/Distance (One) with Die Cut Letters	Bloomington 8	-	-	-	-	-	1	2	
921	443+90	Left	J4-1	24" x 36"	Reassurance Assembly (1 Headed Route Panel)	North 35	-	1 -	-	-	6.00	-	-	
922R	446+30	Right	J3-1	48" X 57"	Route Turn Assembly (2 Headed Route Panel)	East, West 81, 81	-	-	-	-	-	1 -	1 -	
007	440.00	Diahi	10.4	70" = 7"	Directional Assembly / Useded Parts Parts	Up Arrow, Right Arrow	-	-	-	-	- 00 50	-	-	
927	446+30	Right	J3-1	72" x 57"	Directional Assembly (3 Headed Route Panel)	South, East, West 35, 81, 81	-	-	2 -	-	28.50	-	-	
						Up Arrow, Up Arrow, Right Turn Arrow		-						
928	446+35	75' Right	J4-1	24" x 36"	Reassurance Assembly	WEST 81	-	1	-	-	6.00	-	-	
929R	446+35	150' Right	M3-4	24" x 12"	WEST Cardinal Route Marker	04		•	-	-	-	1	-	
930R 931R	446+35 446+35	150' Right 150' Right	M1-6 D2-1	24" x 24" 84" x 15"	State Route Marker Destination/Distance (One) with Die Cut Letters	81 Cassville 12	-	-	-	-	-	1	2	
932	446+35	250' Right	D2-1	72" x 15"	Destination/Distance (One) with Die Cut Letters	Cassville 12	1	1	-	-	7.50	-	-	
933	447+50	STH 81	R1-1	36" x 36"	Stop		1	-	-	-	7.46	-	-	
934R	447+50	STH 81	R1-1	36" x 36"	Stop	Cubtatal _	- 11	- 10	- 2	- 0	172	1 27	1 24	r.
						Subtotal =	11	10	3	0	173	27	24	

MISCELLANEOUS QUANTITIES

FILE NAME : _____ PLOT DATE : ____ PLOT BY : ____ PLOT NAME : ____ PLOT SCALE : 1:1

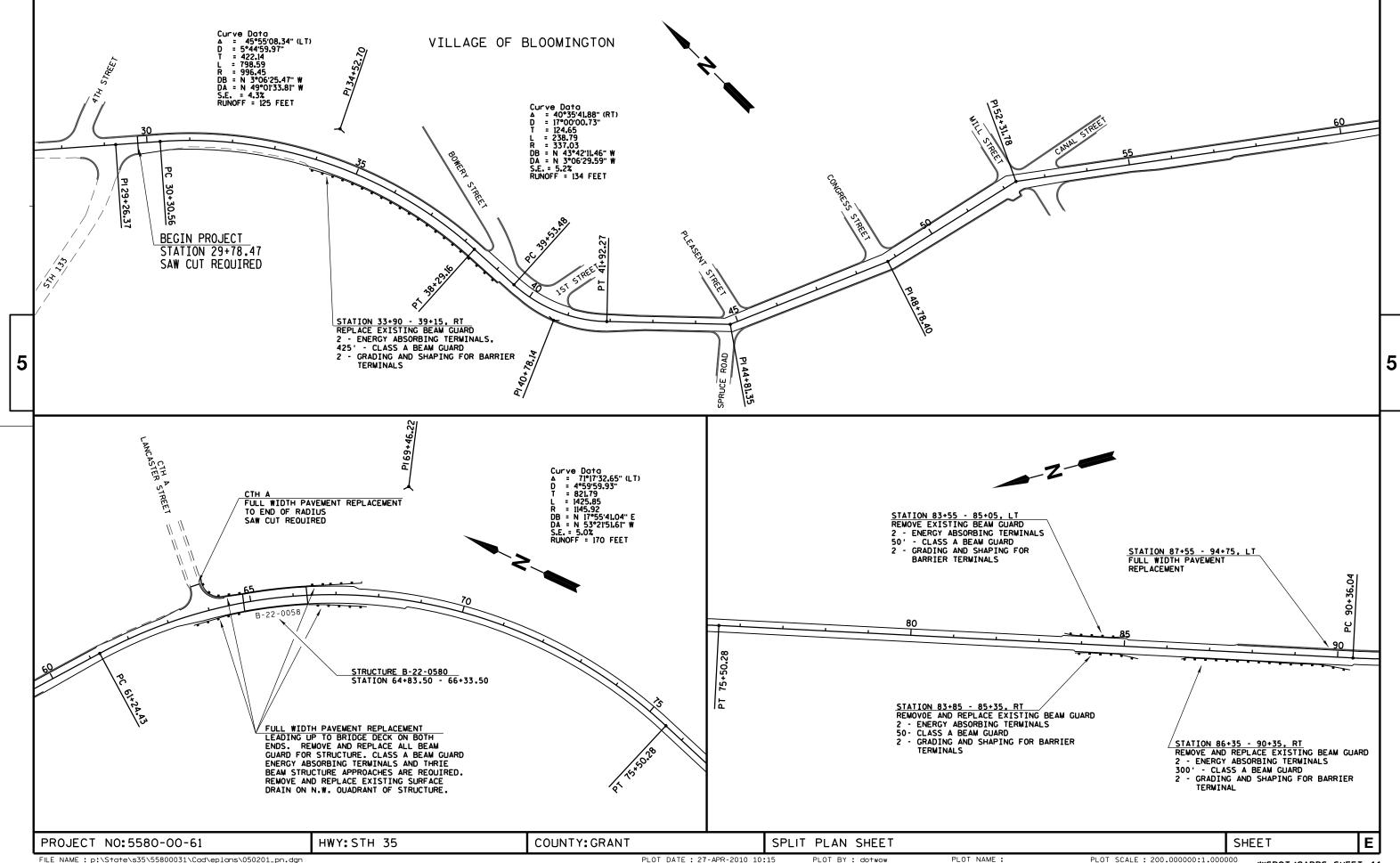
COUNTY: GRANT

HWY: STH 35

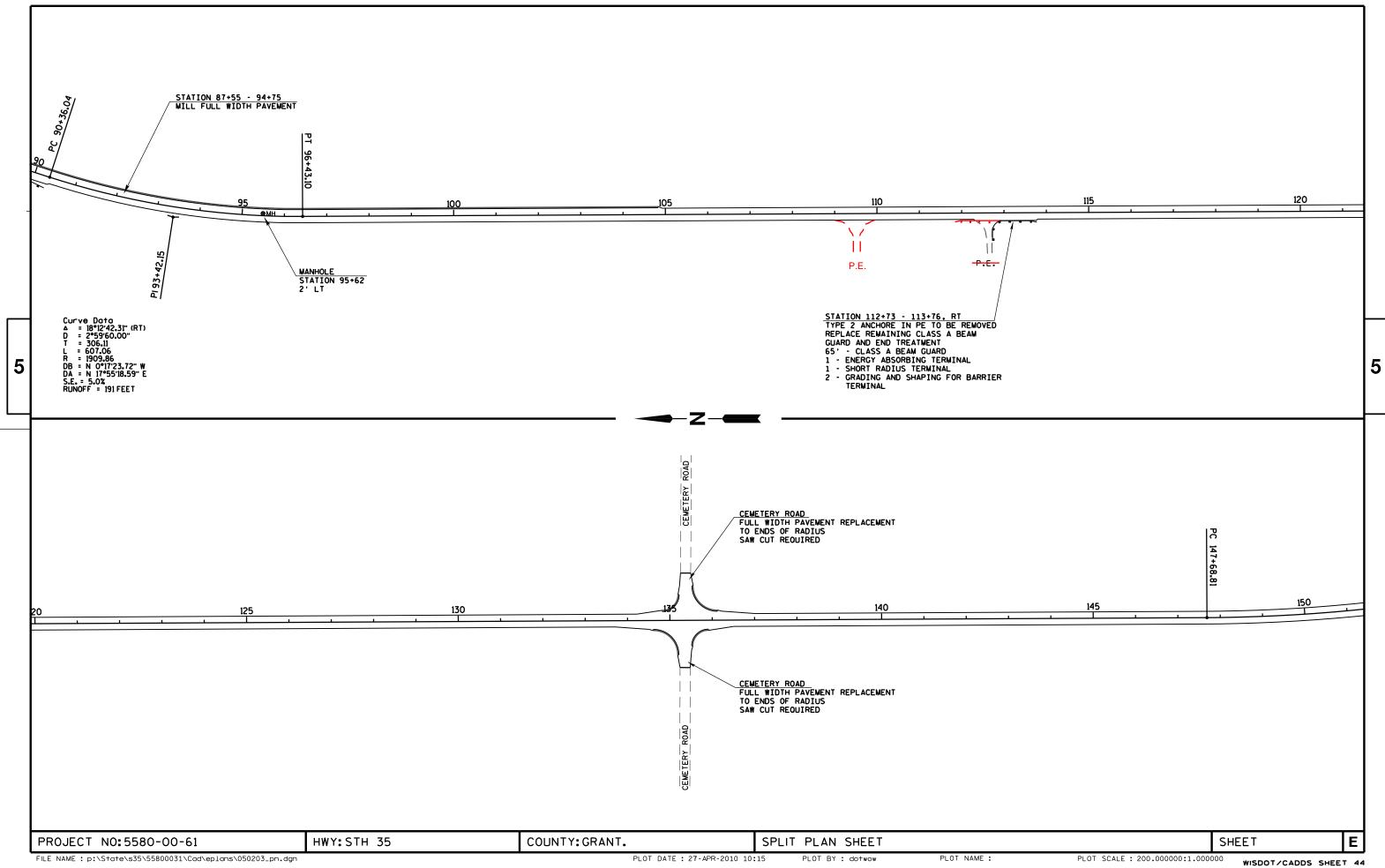
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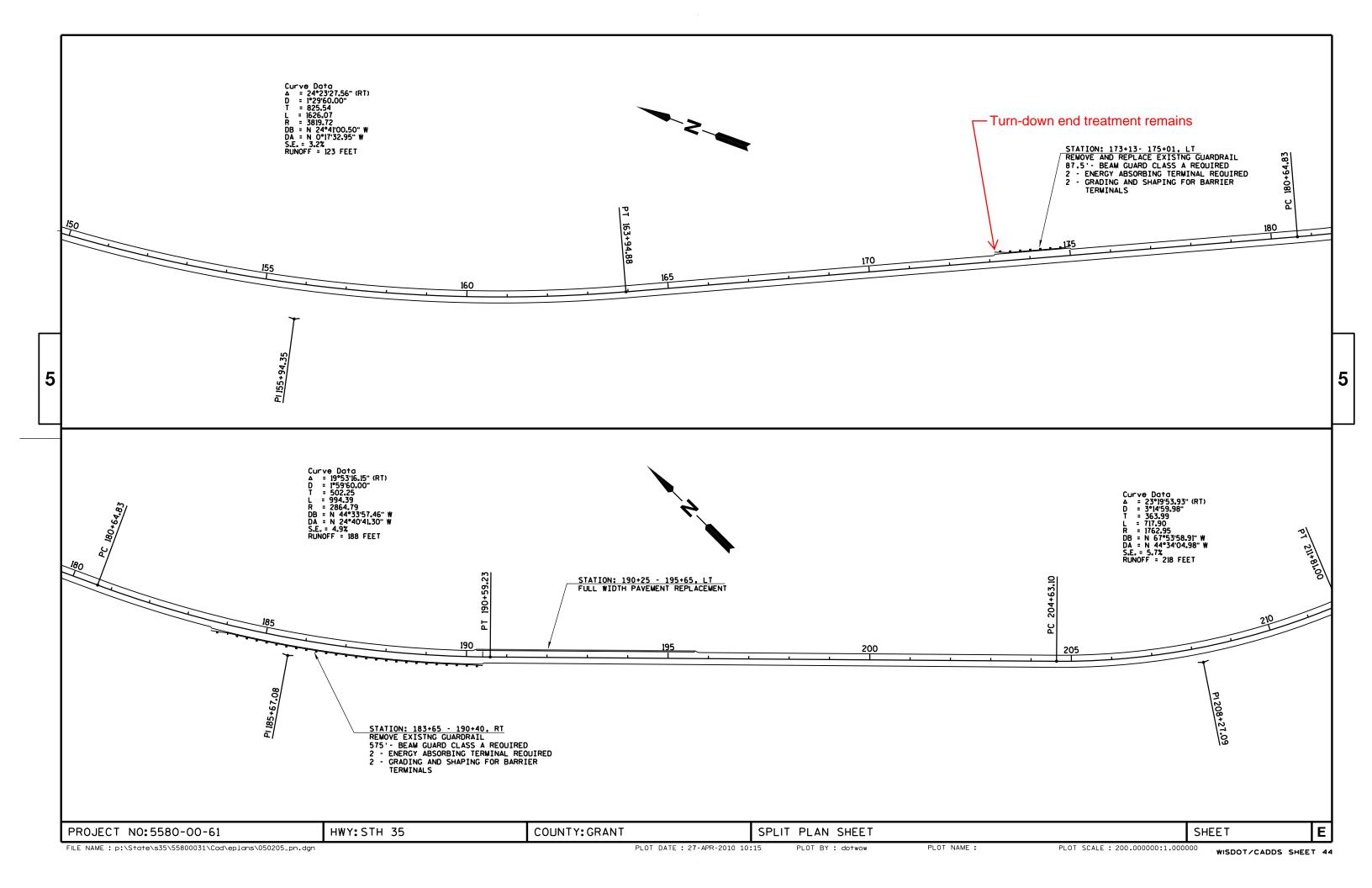
SIGN NUMBER STA	.TION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES	634.0614 POSTS WOOD 4x6 INCH 14-FT EACH	634.0616 POSTS WOOD 4x6 INCH 16-FT EACH	634.0618 POSTS WOOD 4x6 INCH 18-FT EACH	634.0808 POSTS TUBULAR STEEL 2x2 INCH 8-FT EACH	637.0202 SIGNS REFLECTIVE TYPE II SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	Comments
935R 447	7+50	Right	M3-1	24" x 12"	NORTH Cardinal Route Marker		_		_	_	_	1	2	
	7+50 7+50	Right	M50-3	72" x 24"	Route Marker Panel (3 Faces)	35, 35, 81	-	-	-	-	-	1	-	
	7+50	Right	M6-1	21" x 21"	Arrow - RIGHT, LEFT, OR AHEAD	33, 33, 01	_	_	_	_	_	1	_	
	7+50	Right	M3-3	24" x 12"	SOUTH Cardinal Route Marker		_	_	_	_	_	1	_	
	7+50	Right	M6-1	21" x 21"	Arrow - RIGHT, LEFT, OR AHEAD		-	-	-	-	-	1	-	
	7+50	Right	M3-2	24" x 12"	EAST Cardinal Route Marker		_	_	_	-	_	1	_	
	7+50	Right	M6-1	21" x 21"	Arrow - RIGHT, LEFT, OR AHEAD		_	_	_	-	_	1	-	
	7+50	Right	J3-3	72" x 57"	Route Turn Assembly (3Headed Route Panel)	North, South, East	-	2	-	-	28.50	-	-	
		· ·			,	35, 35, 81	-	-	-	-	-	-	-	
						Left Arrow, Right Arrow, Right Arrow	-	-	-	-	-	-	-	
943R 447	7+60	Left	J13-1	24" x 57"	Directional Assembly	West	-	-	-	-	-	1	1	
						81	-	-	-	-	-	-	-	
						Left Arrow	-	-	-		-	-	-	
944 447	7+60	Left	J3-2	48" x 57"	Directional Assembly (2 Headed Route Panel)	West, North	-	-	1	-	19.00	-	-	
						81, 35								
						Left Arrow, Up Arrow								
						Subtotal =	0	2	1	0	48	8	3	
						Item Totals =	55	32	7	4	739	141	97	

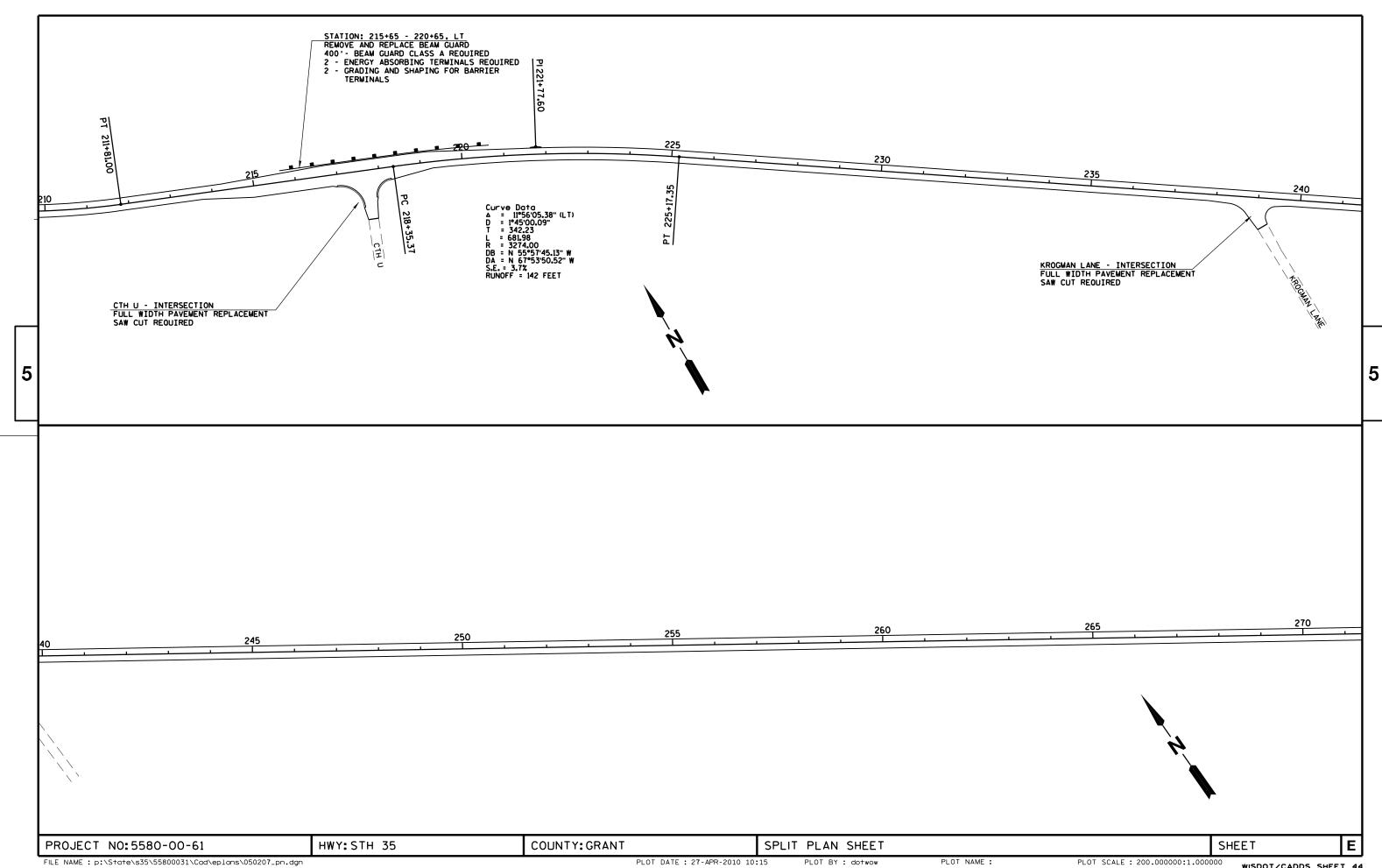
PROJECT NO: 5580-00-61 HWY: STH 35 COUNTY: GRANT MISCELLANEOUS QUANTITIES SHEET: **E**



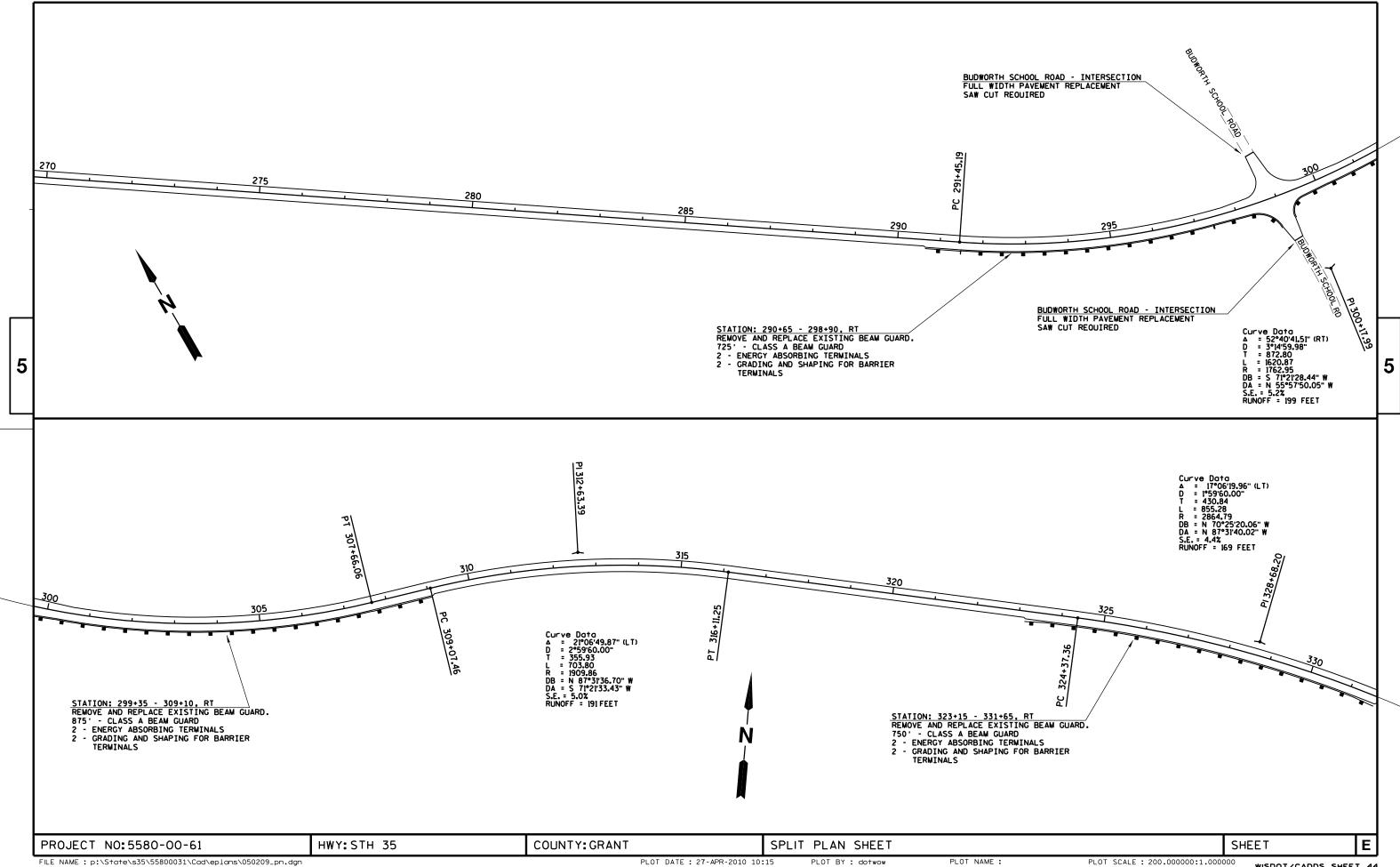
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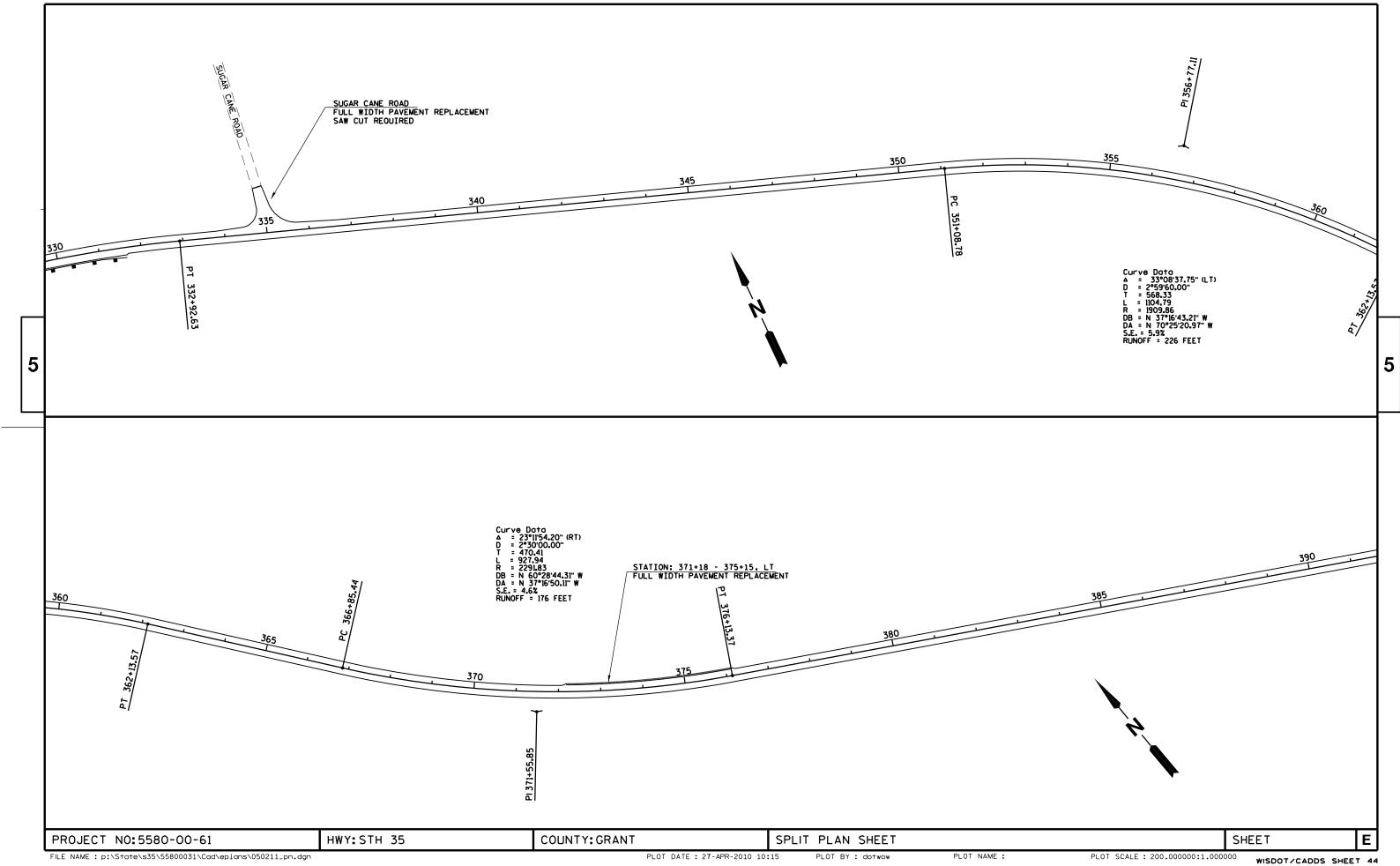


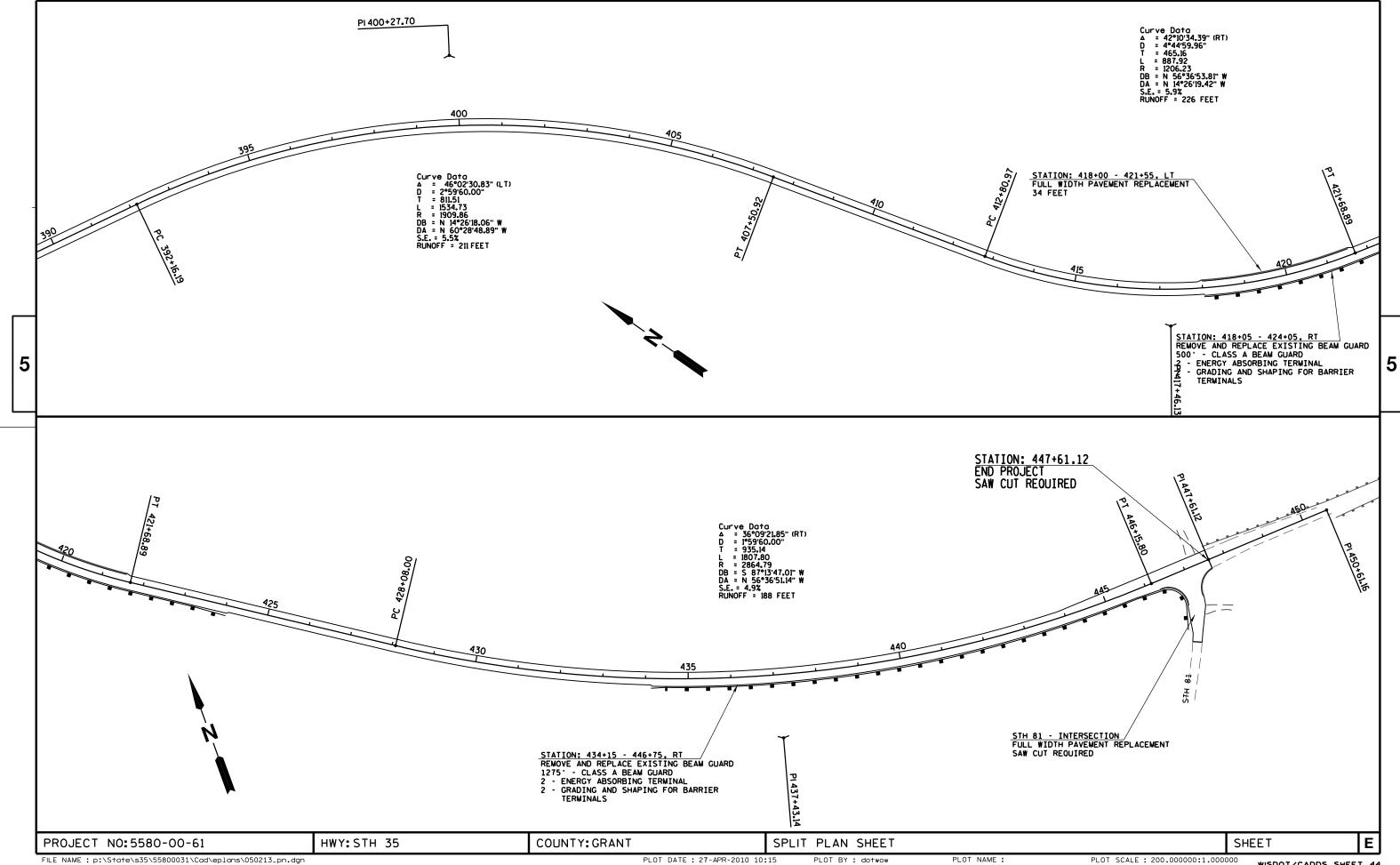




WISDOT/CADDS SHEET 44

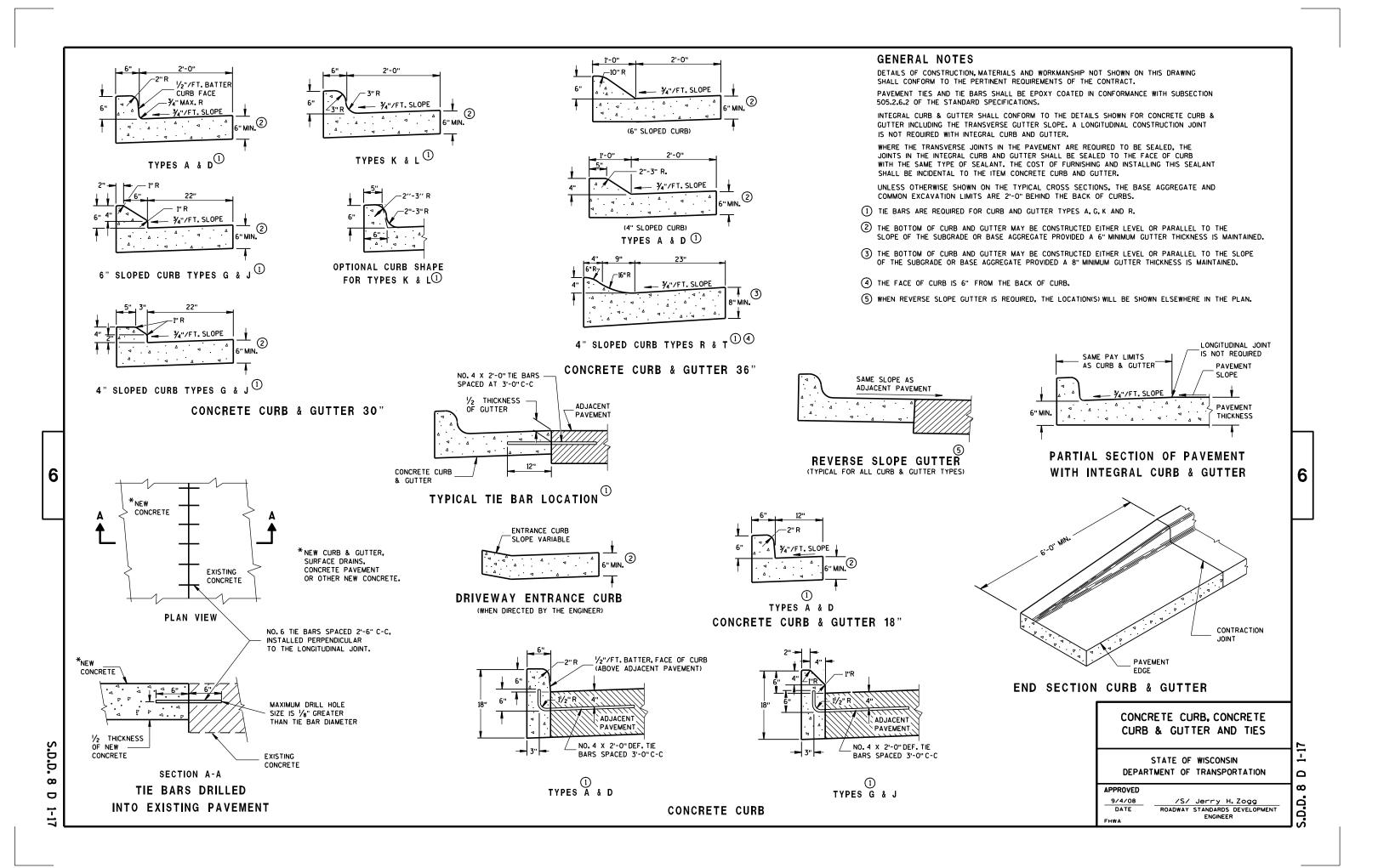


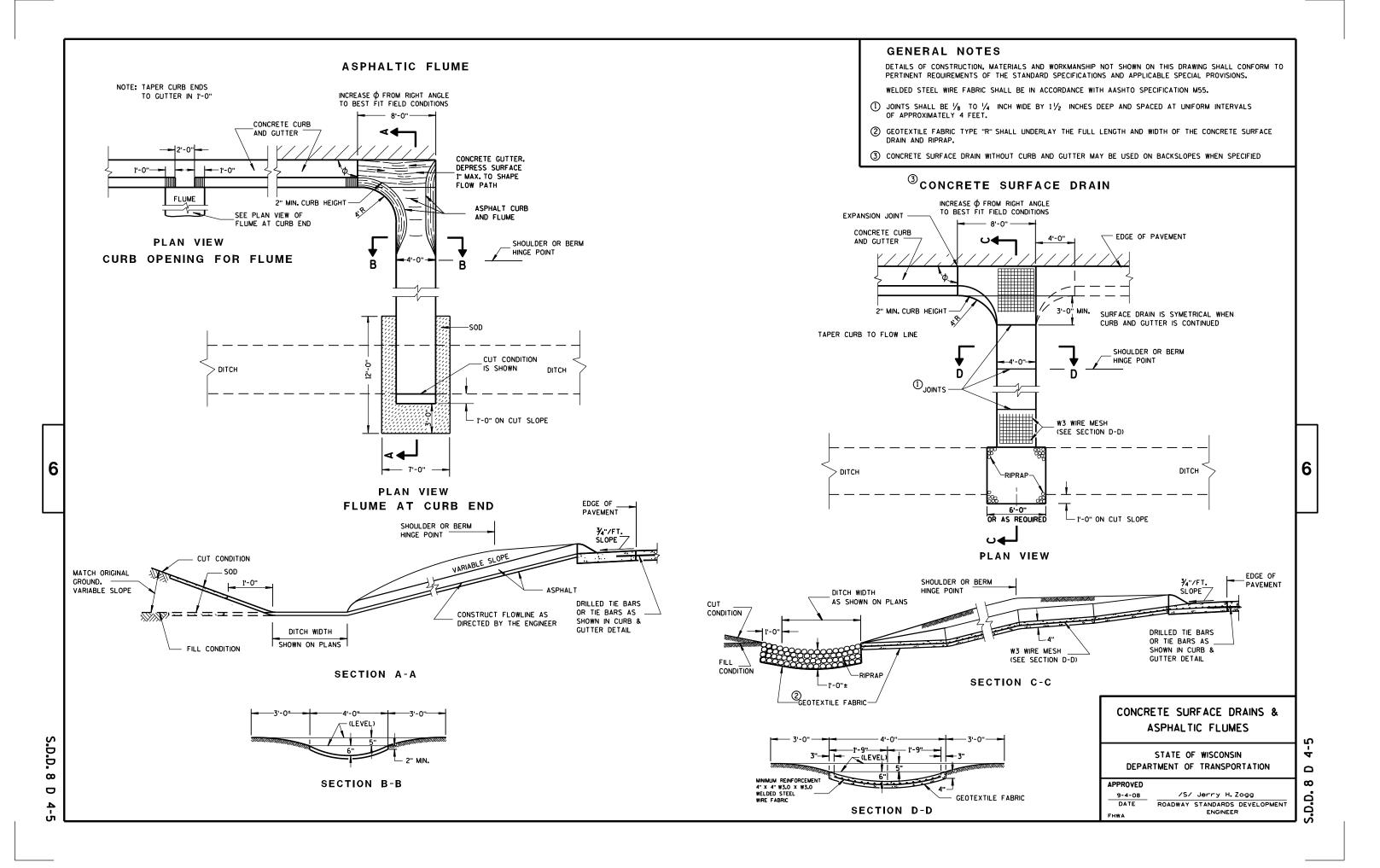




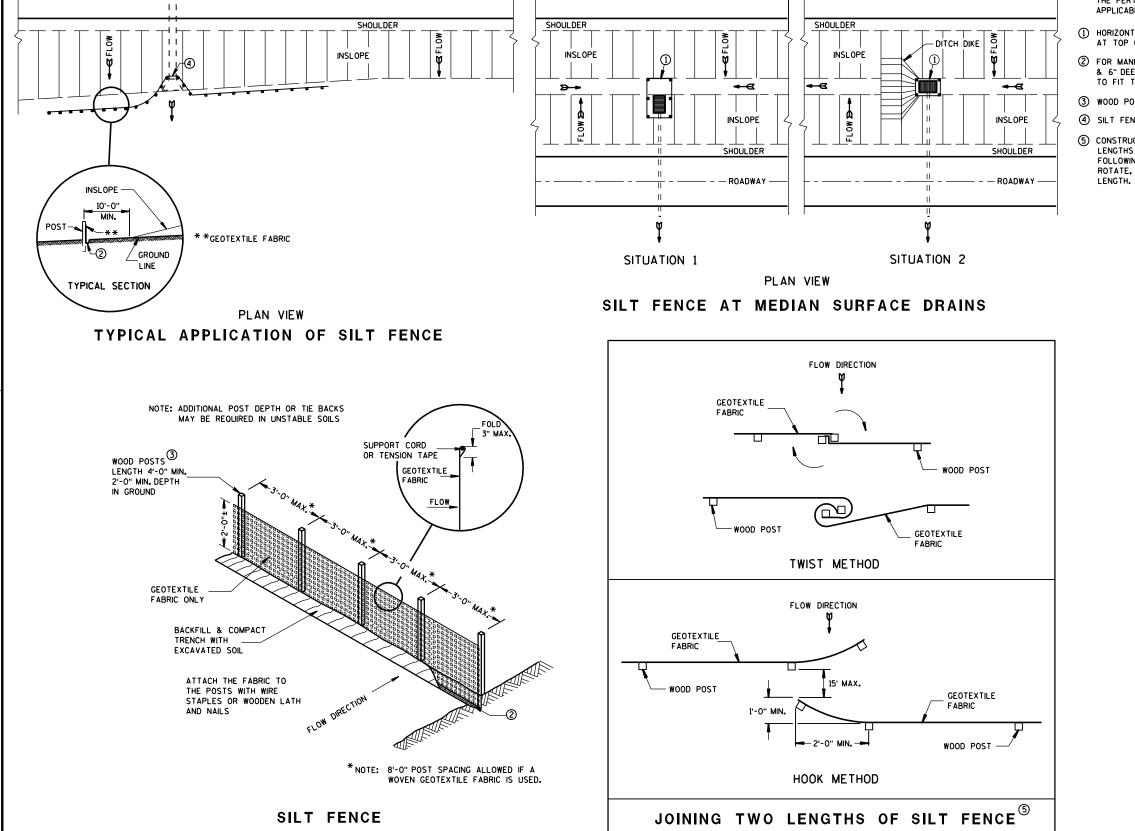
Standard Detail Drawing List

08D1-17 08D4-5	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E9-6	SILT FENCE
09A1-12A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A1-12B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09G2-2A	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G2-2B	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
14B7-11A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B7-11B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B7-11C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B7-11D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B7-11E	CONCRETE BARRIER TEMPORARY PRECAST, 10'-0"
14B7-11F	CONCRETE BARRIER TEMPORARY PRECAST, 10'-0"
14B15-6A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-6B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-6C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B18-6A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
14B20-7A	STEEL THRIE BEAM STRUCTURE APPROACH
14B20-6C	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS
14B24-6A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-6B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-6C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B27-1A	STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL
14B27-1B	STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL
14B27-1C	STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL
15C4-1	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
1506-5	SIGNING & MARKING FOR TWO LANE BRIDGES
15C8-12A	PAVEMENT MARKING (MAINLINE)
15C8-12B	PAVEMENT MARKING (INTERSECTIONS)
15C8-12E	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C12-3	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15D33-2	TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS









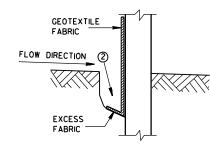
-ROADWAY

-ROADWAY

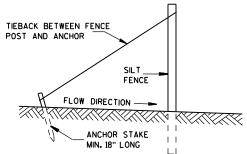
GENERAL NOTES

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

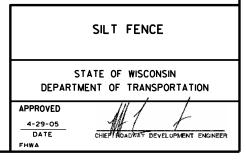
- () HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS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



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

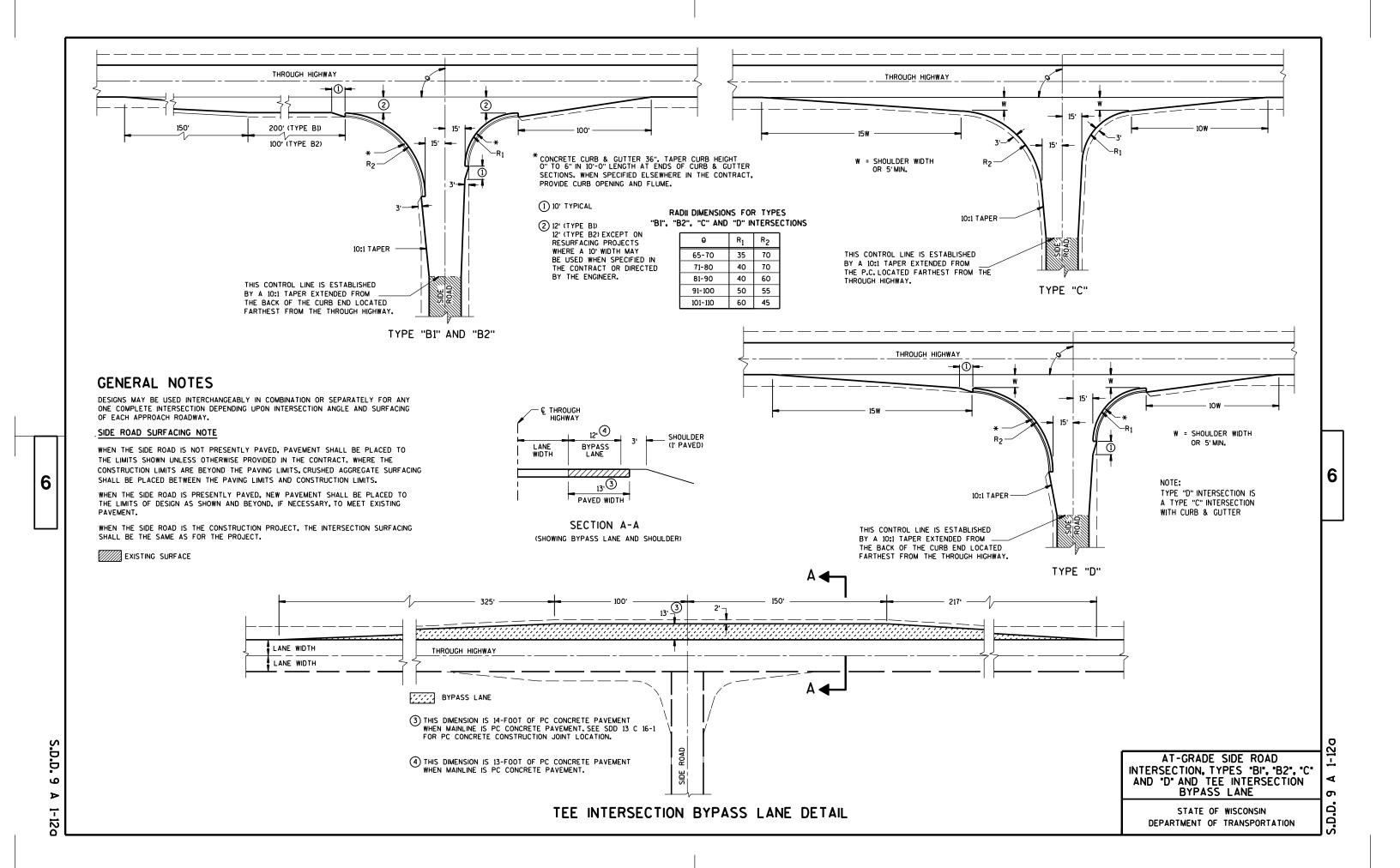


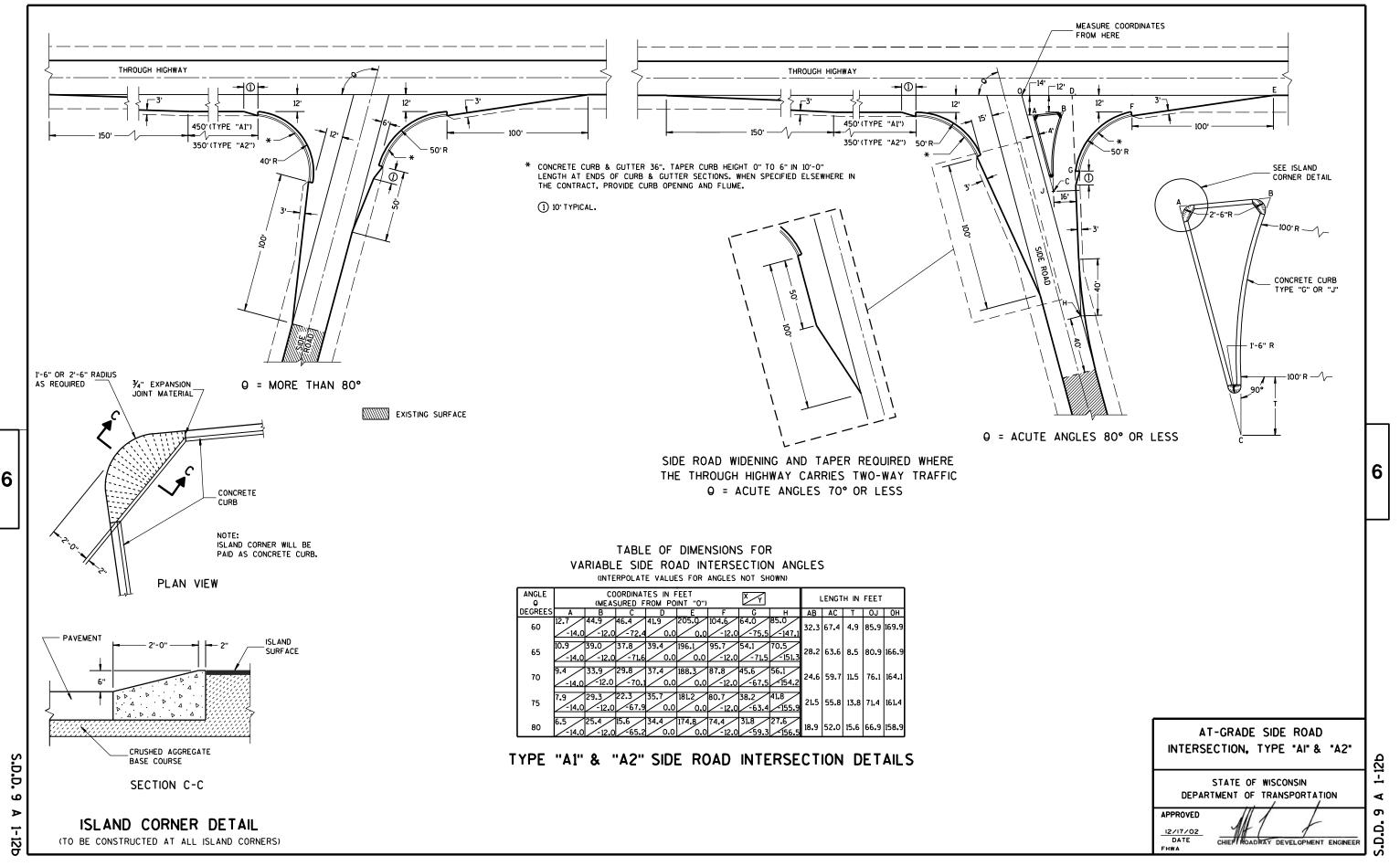
S.D.D. 8 E

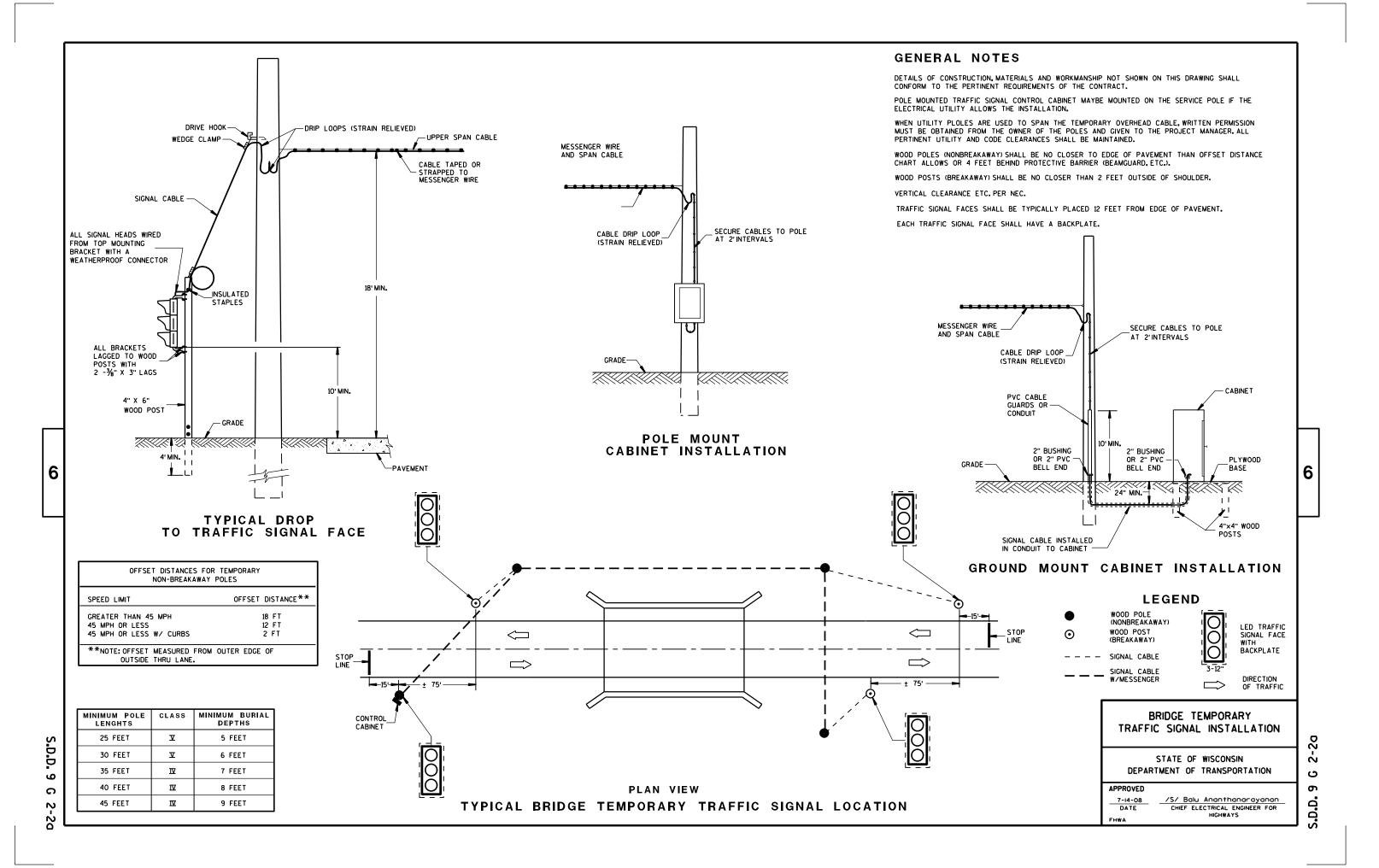
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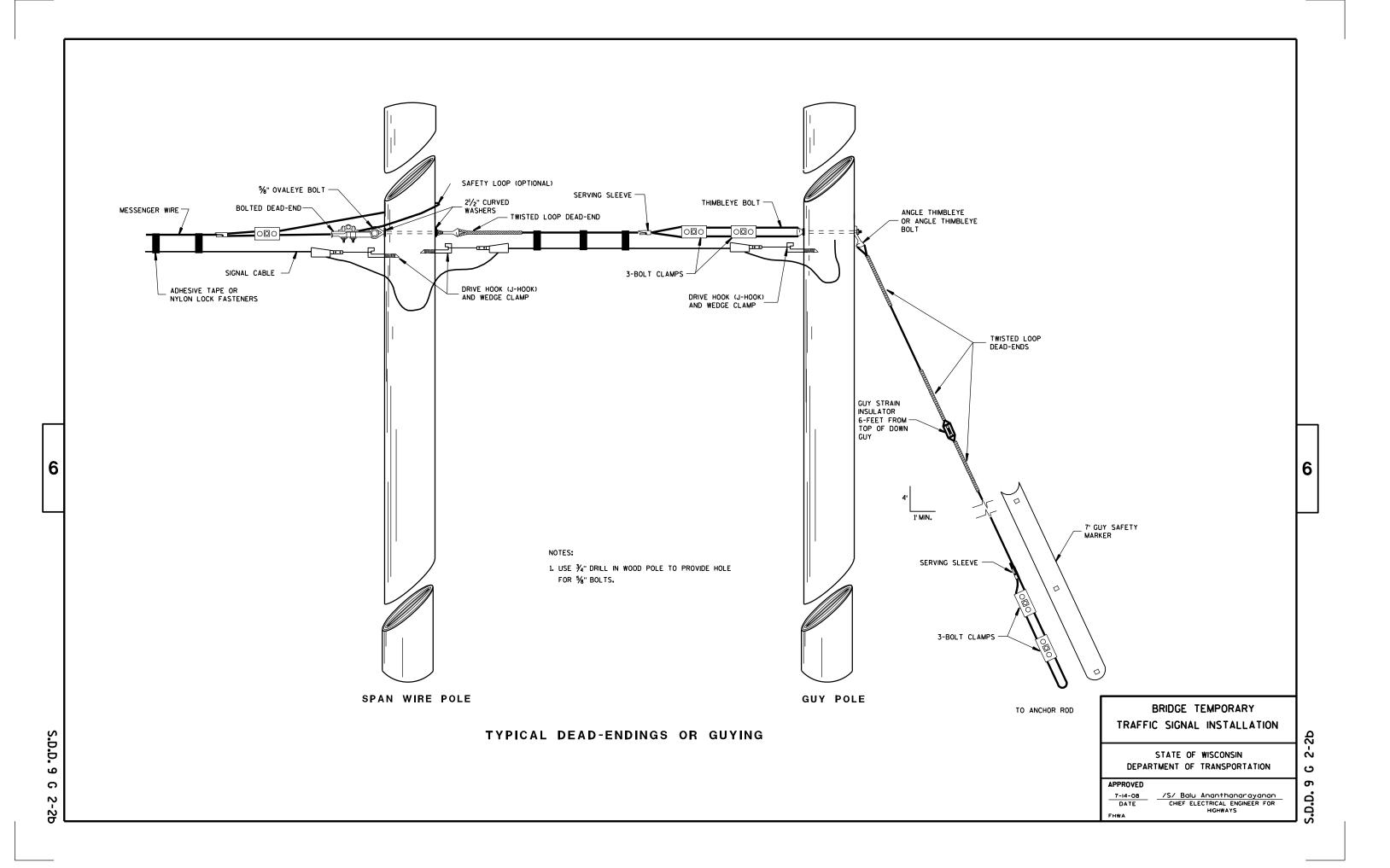
ROADWAY

D.D. 8 E 9.

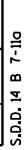


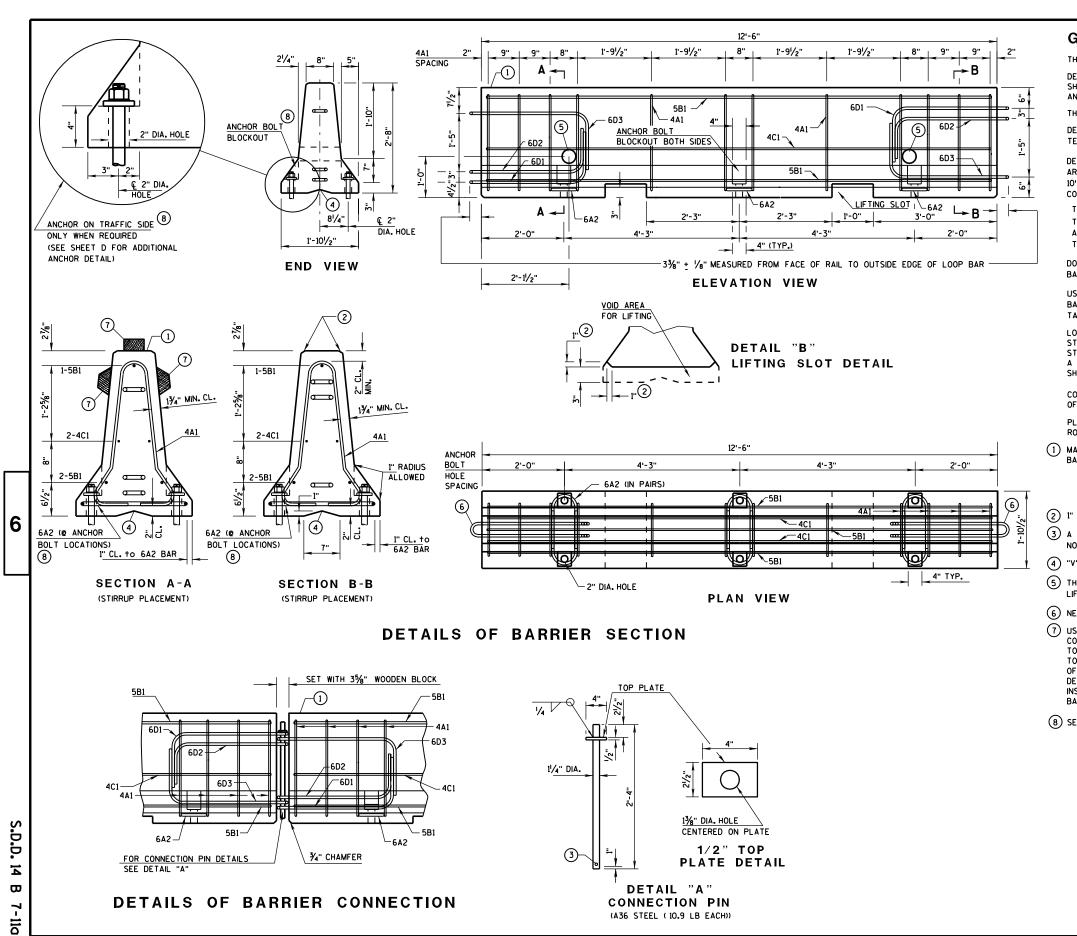












GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-11(a) THRU 14B7-11(d).

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.

THIS STANDARD DETAIL DRAWING CONSISTS OF 6 SHEETS, 14B7-11(a) THRU 14B7-11(f).

DETAILS AND REQUIREMENTS FOR THE FABRICATION AND INSTALLATION OF CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" (CBTP12-5) ARE SHOWN ON 4 SHEETS, 14B7-11(d) THRU 14B7-11(d)

DETAILS AND REQUIREMENTS FOR CONCRETE BARRIER TEMPORARY PRECAST, 10'-O" (CBTP10.0) ARE SHOWN ON 2 SHEETS, 14B7-11(e) THRU 14B7-11(f). CONCRETE BARRIER TEMPORARY PRECAST. 10'-0" (CBTP10.0) MAY BE USED UNTIL MAY 31, 2013, BUT ONLY IF ALL THE FOLLOWING CONDITIONS ARE MET:

THE CBTP10.0 WAS MANUFACTURED BEFORE JUNE 1, 2003.

THE CBTP10.0 MEETS ALL THE REQUIREMENTS OF STANDARD DETAIL DRAWINGS 14B7-11(e) AND 14B7-11(f).

THE CBTP10.0 IS IN GOOD CONDITION.

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH CONCRETE BARRIER TEMPORARY PRECAST, 10'-0" (CBTP10.0) IN ANY SINGLE RUN OR INSTALLATION.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER

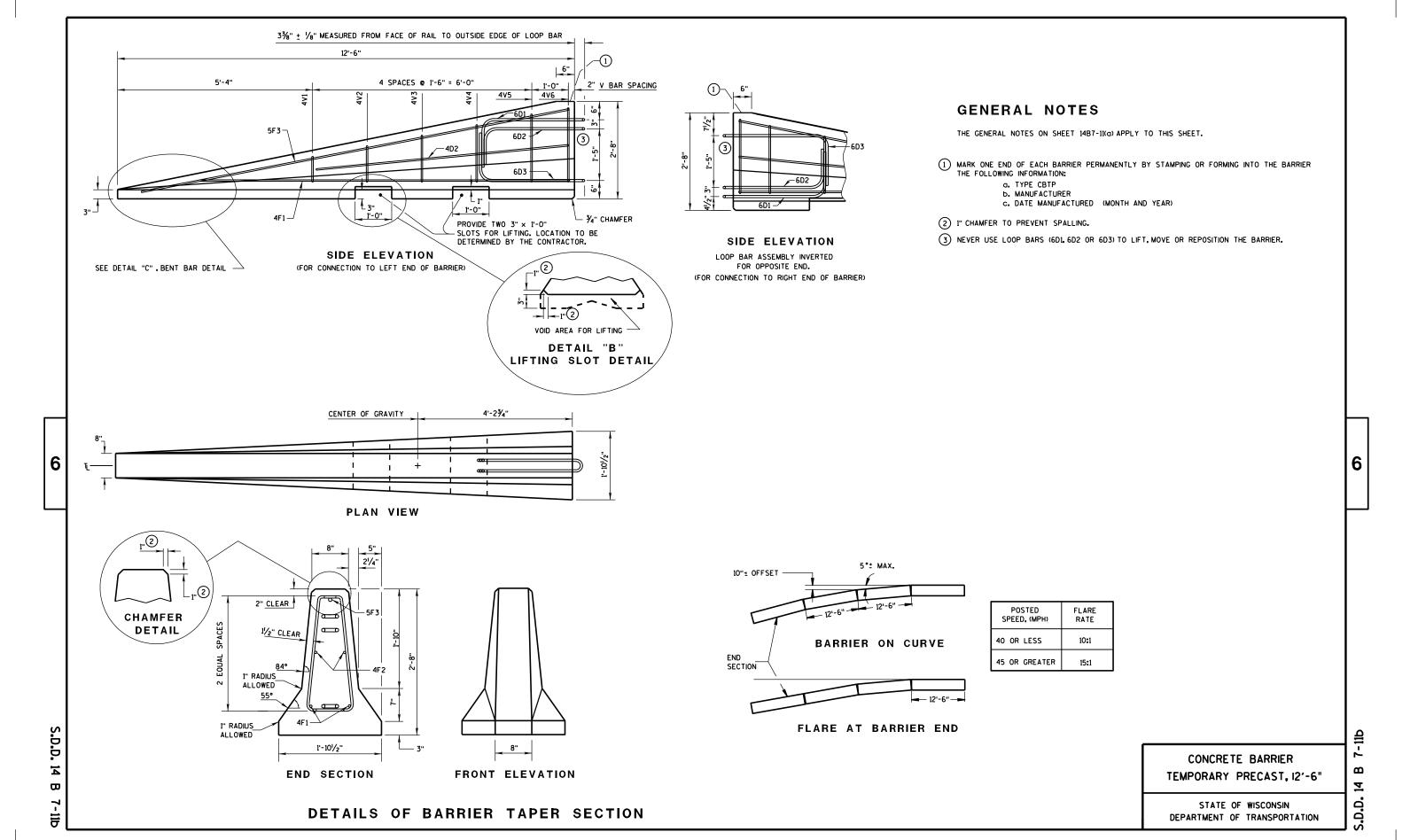
LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE 3/4" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-1/2" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN 1/8" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

- (1) MARK ONE END OF EACH BARRIER PERMANENTLY BY STAMPING OR FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
 - a. TYPE CBTP
 - b. MANUFACTURER
 - c. DATE MANUFACTURED (MONTH AND YEAR)
- 2) 1" CHAMFER TO PREVENT SPALLING.
- 3 A 38" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..
- (4) "V" NOTCH IS OPTIONAL.
- 5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR
- (6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.
- (7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION, INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.
- (8) SEE SHEET D FOR ANCHORING CRITERIA.

CONCRETE BARRIER TEMPORARY PRECAST. 12'-6"



S.D.D. 14 B 7-11c

GENERAL NOTES

THE GENERAL NOTES ON SHEET 14B7-11(a) APPLY TO THIS SHEET.

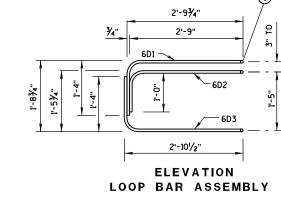
1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

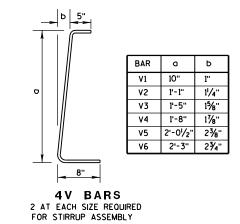
2'-101/2"

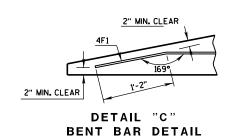
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

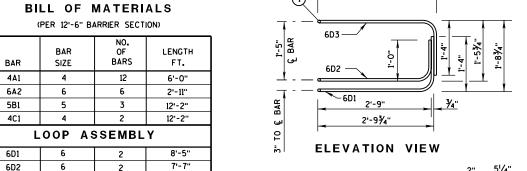
(PER 12"-6" BARRIER TAPER SECTION)			
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4٧3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"

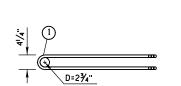






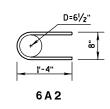


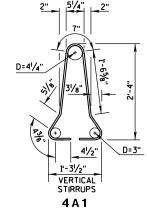




BARRIER SECTION

PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)





6

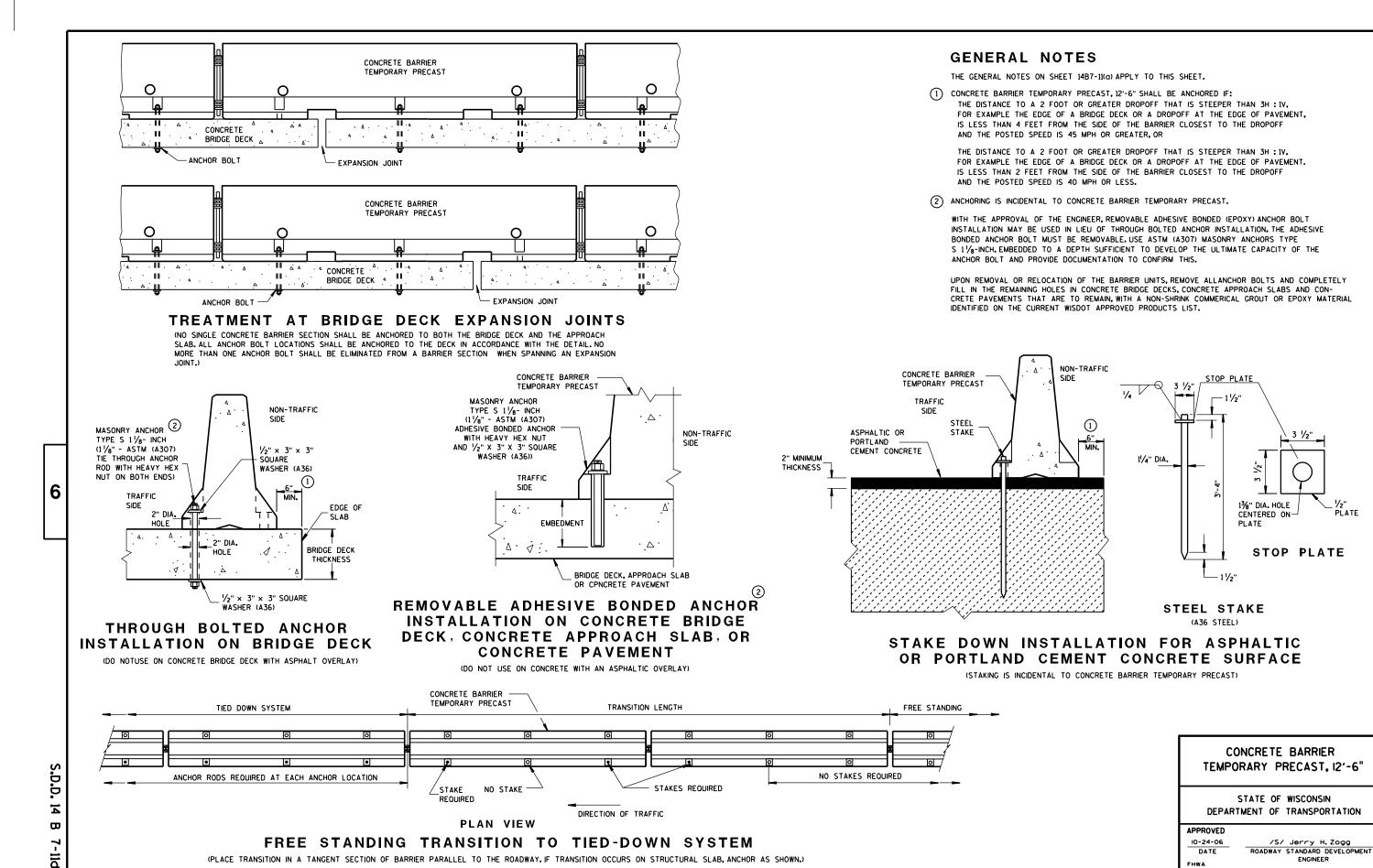
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S.D.D.

BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"



S.D.D. 14 B 7-11d

NO. REQ'[DESCRIPTION LENGTH SIZE TOP CONNECTOR 6'-0" WIRE ROPE (1) BOTTOM CONN. 2 6'-0" WIRE ROPE (1) TOP CONNECTOR 9'-0" STEEL BAR BOTTOM CONN. 9'-0" STEEL BAR 2'-6" CONNECTING PIN DIA. BOTTOM TIE NO. 4 1'-8" VERTICAL STEEL NO. 4 10 2'-1" HORIZONTAL STEEL NO. 5 9'-4"

BILL OF MATERIALS

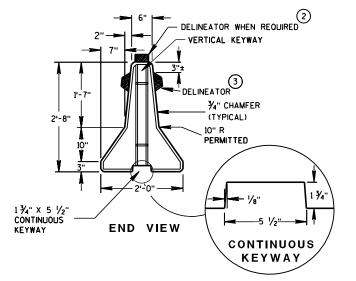
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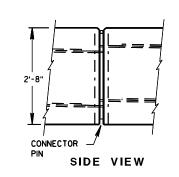
S.D.D.

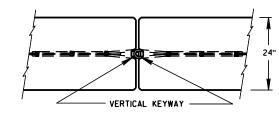
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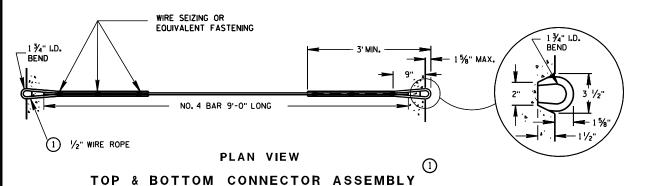
7-11e

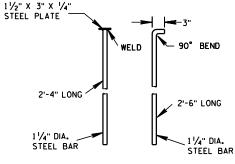




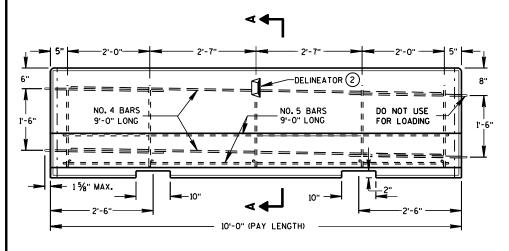


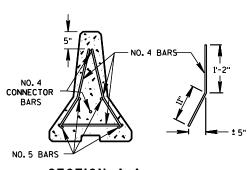
PLAN VIEW
PIN & LOOP CONNECTION DETAILS





ALTERNATE CONNECTING PINS





SECTION A-A
BAR STEEL REINFORCEMENT

SIDE VIEW

LOCATION OF REINFORCEMENT STEEL

GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-11(e) AND 14B7-11(f).

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.

THIS STANDARD DETAIL DRAWING CONSISTS OF 6 SHEETS, 14B7-11(a) THRU 14B7-11(f).

DETAILS AND REQUIREMENTS FOR THE FABRICATION AND INSTALLATION OF CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" (CBTP12.5) ARE SHOWN ON 4 SHEETS, 14B7-11(a) THRU 14B7-11(d).

DETAILS AND REQUIREMENTS FOR CONCRETE BARRIER TEMPORARY PRECAST, 10'-0" (CBTP10.0)
ARE SHOWN ON 2 SHEETS, 14B7-11(e) THRU 14B7-11(f). CONCRETE BARRIER TEMPORARY PRECAST,
10'-0" (CBTP10.0) MAY BE USED UNTIL MAY 31, 2013, BUT ONLY IF ALL THE FOLLOWING
CONDITIONS ARE MET:

THE CBTP10.0 WAS MANUFACTURED BEFORE JUNE 1, 2003.

THE CBTP10.0 MEETS ALL THE REQUIREMENTS OF STANDARD DETAIL DRAWINGS 14B7-11(e) AND 14B7-11(f). THE CBTP10.0 IS IN GOOD CONDITION.

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH CONCRETE BARRIER TEMPORARY PRECAST, 10'-0" (CBTP10.0) IN ANY SINGLE RUN OR INSTALLATION.

PLACE BARRIER ON PAVED SURFACE.REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

DO NOT ANCHOR CONCRETE BARRIER TEMPORARY PRECAST 10'-0".

BARRIERS SHALL BE REINFORCED WITH EITHER BAR STEEL REINFORCEMENT AS DETAILED ON THIS DRAWING OR WELDED STEEL WIRE FABRIC ADEQUATE TO ASSURE SAFE HANDLING STRENGTH.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN.

WIRE ROPE SHALL BE ZINC-COATED 6 X 19 CLASS 2 IWRC WITH A MINIMUM BREAKING STRENGTH OF 20,000 LBS. AND SHALL CONFORM TO FEDERAL SPECIFICATION RR-W-410. THE ZINC COATING SHALL CONFORM TO TABLE II OF THE FEDERAL SPECIFICATIONS.

DELINEATORS SHALL CONFORM TO SECTION 633 OF THE STANDARD SPECIFICATIONS EXCEPT THE SHAPE SHALL BE AS SHOWN ON THIS DRAWING. ALTERNATIVE SHAPES MAY BE USED WHEN APPROVED BY THE ENGINEER. CONCRETE SURFACE PREPARATION, ADHESIVE AND METHOD OF APPLICATION SHALL BE AS RECOMMENDED BY THE DELINEATOR MANUFACTURER. THE COLOR OF REFLECTORS SHALL BE YELLOW WHEN LOCATED TO THE LEFT OF TRAFFIC AND WHITE WHEN LOCATED TO THE RIGHT OF TRAFFIC. MAXIMUM SPACING SHALL BE 20 FEET.

CONCRETE BARRIER TEMPORARY PRECAST, 10'-O", WHETHER UN-RESTRAINED OR RESTRAINED, SHALL NOT BE USED IF THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H: 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 8 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF.

- (1) CONNECTOR ASSEMBLIES MAY, AT THE CONTRACTORS OPTION, BE FORMED FROM A CONTINUOUS SECTION OF 1/2 INCH WIRE ROPE (16'-6" MIN. LENGTH). THE NO 4 CONNECTOR STEEL BARS MAY THEN BE OMITTED.
- (2) TOP MOUNTED DELINEATORS SHALL BE PROVIDED IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON CURVED ALIGNMENT LONGER THAN 200 FT.
- 3 BARRIERS USED TO SEPARATE OPPOSING TRAFFIC SHALL HAVE DELINEATORS ON BOTH SIDES. TOP MOUNTED DELINEATORS SHALL BE DOUBLE FACED FOR THIS CONDITION.

CONCRETE BARRIER
TEMPORARY PRECAST. 10'-0"

14B

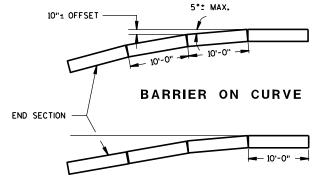
S.D.D.

END SECTION FOR TEMPORARY PRECAST CONCRETE BARRIER

FLARE RATE

POSTED SPEED, (MPH)

45 OR GREATER



FLARE	ΑТ	BARRIER	END

GENERAL NOTES

THE GENERAL NOTES ON SHEET 14B7- 11(e) APPLY TO THIS SHEET.

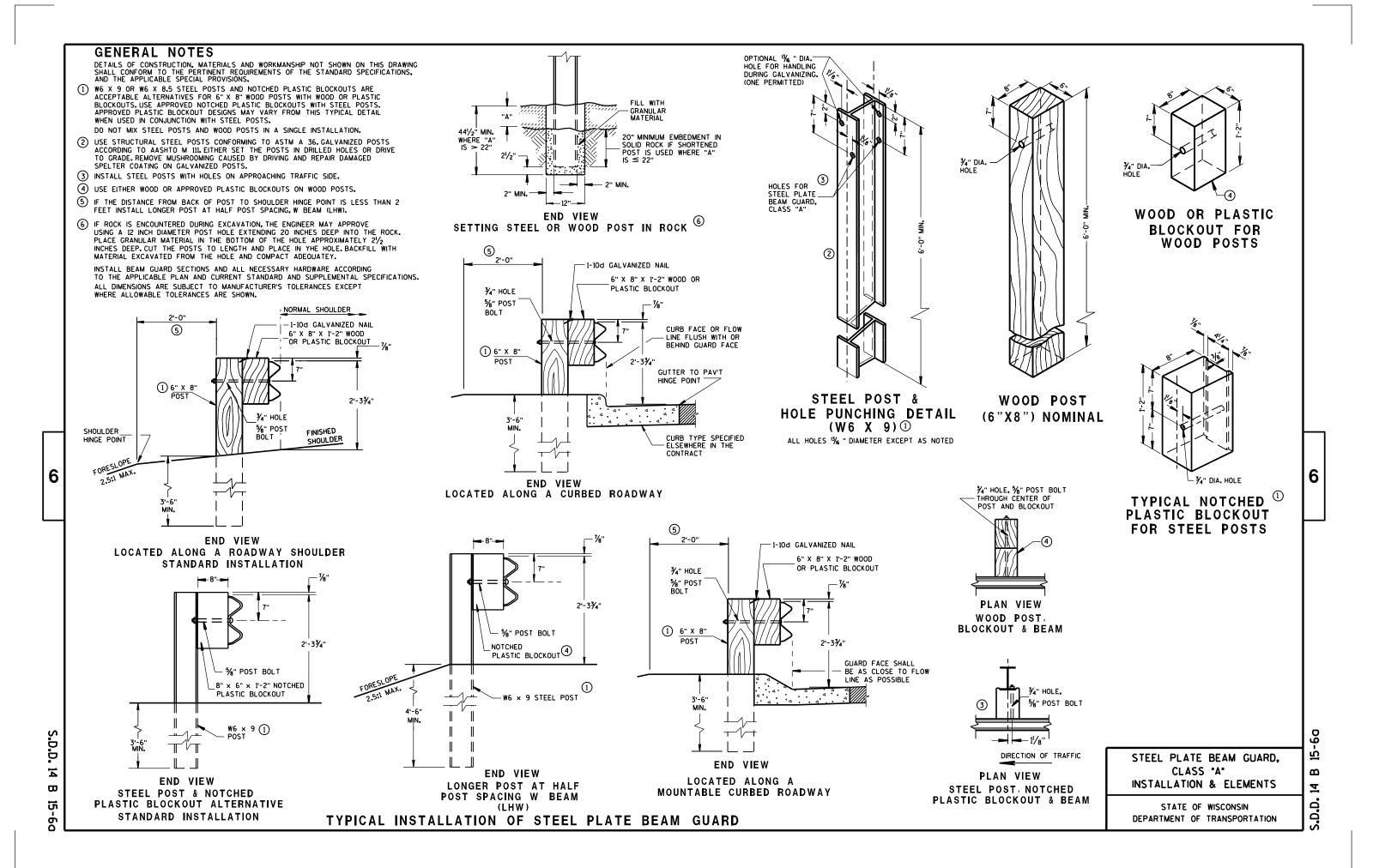
* WHEN BARRIERS ARE USED TO SEPARATE OPPOSING TRAFFIC, DELINEATORS ARE REQUIRED ON BOTH SIDES.

CONCRETE BARRIER TEMPORARY
PRECAST, 10'-0"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

DATE COADWAY STANDARDS DEVELOPMENT ENGINEER



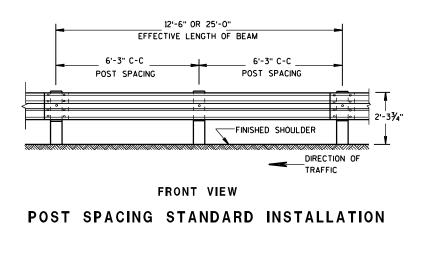
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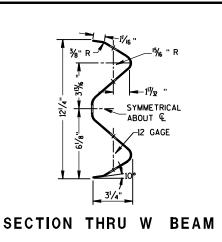
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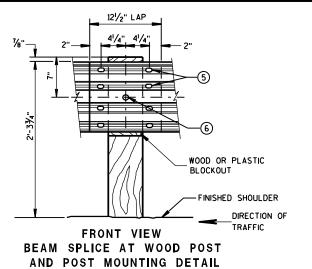
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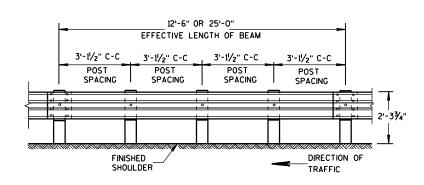






GENERAL NOTES

- 1 PROVIDE TYPE "H" SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH TYPE "H" YELLOW REFLECTIVE SHEETING.
- 2 DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- (3) REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
- 4) PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.
- (5) 8 5%" * X 2 " BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
- 6 %" X 1'-6" BUTTON HEAD BOLT AND AND RECESS NUT WITH ROUND WASHER UNDER NUT.



FRONT VIEW

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

LENGTH

> 200'

< 200⁴

> 200'

< 200'

ONE WAY

TWO WAY

TRAFFIC

REFLECTOR SPACING BEAM GUARD REFLECTOR NO. SURFACES | MIN. NO.

SPACING

100' C-C

25' C-C

50'C-C

50' C-C 100' C-C

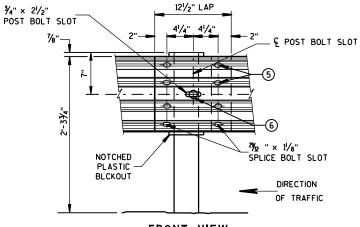
REFLECTORIZED

13

24

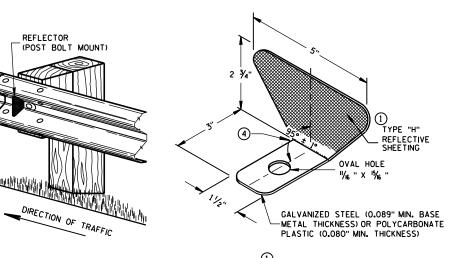
REFLECTORS

6

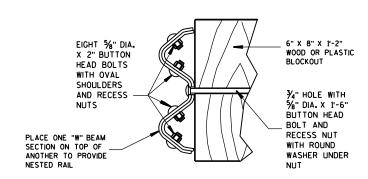


FRONT VIEW BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION



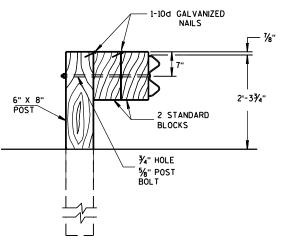
NESTED W BEAM (NW)

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

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

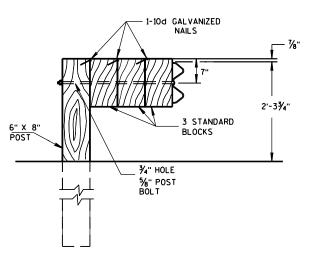
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

S.D.D. 7 8 5-



DETAIL FOR DOUBLE BLOCKS

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

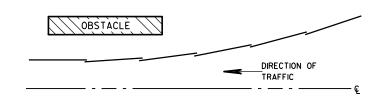


DETAIL FOR TRIPLE BLOCKS

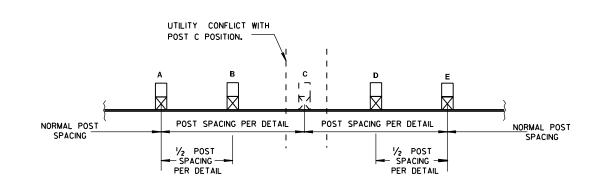
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

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

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



PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

STEEL PLATE BEAM GUARD, CLASS "A". INSTALLATION & ELEMENTS 6

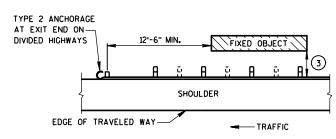
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D.D.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

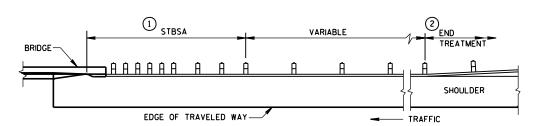
W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN

- THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

 (1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) SEE CURRENT SDD 14820.
- (2) USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

)	MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
	3'-6"	3' - 11/2"
	4'-6"	6' - 3"



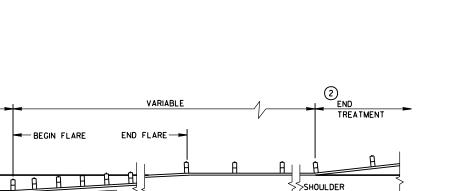
BEAM GUARD AT FULL WIDTH BRIDGES

 \bigcirc STBSA

EDGE OF FINISHED SHOULDER

A A A A A A

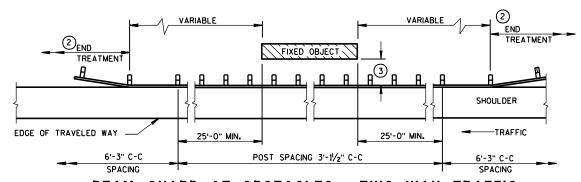
EDGE OF TRAVELED WAY



TRAFFIC

FLARE RATE PER TABLE 1 AT RIGHT (FLARE RATES FOR BEAM GUARD AT NARROW BRIDGES)

BEAM GUARD AT NARROW BRIDGES
(FLARED TO SHOULDER EDGE, THEN PARALLEL TO ROADWAY)



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")

TABLE 1
FLARE RATES FOR BEAM
GUARD AT NARROW BRIDGES

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

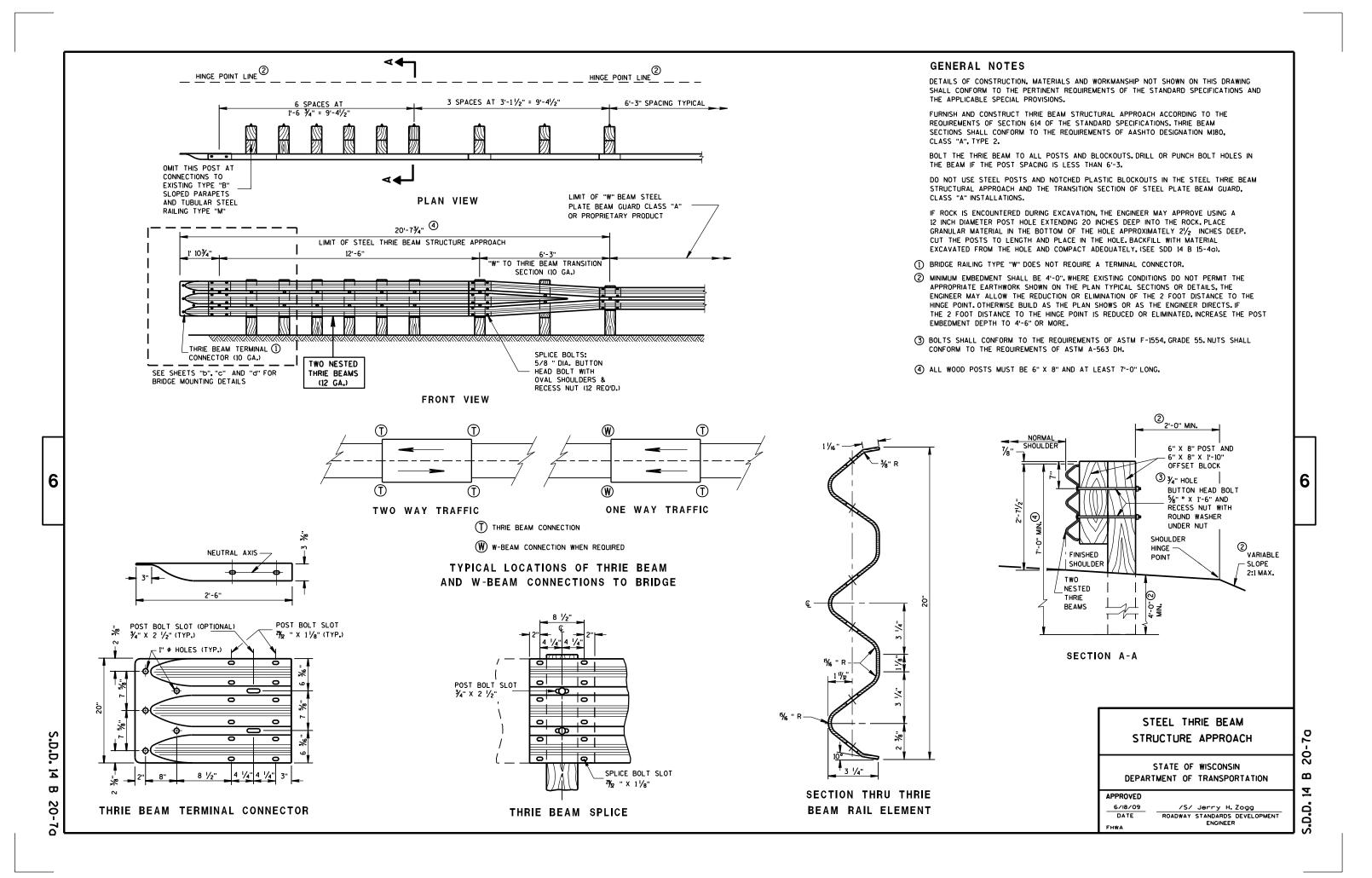
PROVED	
8-21-07	/S/ Jerry H.Zogg
DATE	ROADWAY STANDARDS DEVELOPMENT
WA	ENGINEER

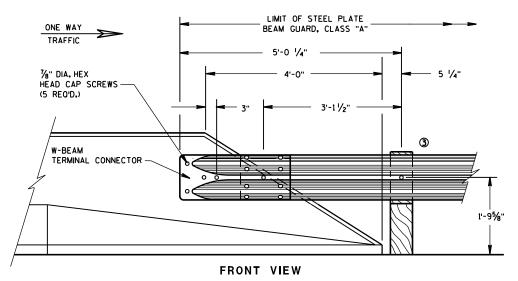
S.D.D. 14 B

18-60

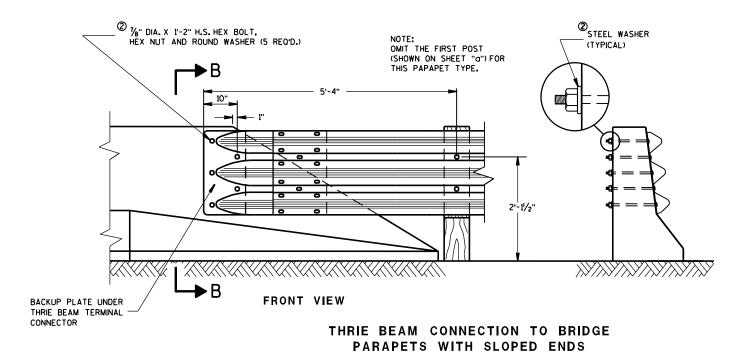
6

.D.D. 14 B 18-60





W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS (USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)



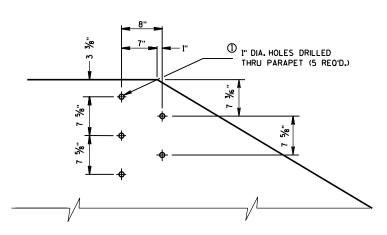
GENERAL NOTES

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

BOLTS, PLATES, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION A 325, AND BE GALVANIZED IN ACCORDANCE WITH ASTM A 153.

- ① INCLUDE THE PAYMENT FOR DRILLING BOLT HOLES THROUGH THE PARAPET, AND THE BACKUP PLATE AND ALL BOLTS, NUTS AND WASHERS IN THE ITEM "STEEL THRIE BEAM STRUCTURAL APPROACH".
- ② EACH BOLT AT THE BACK FACE OF THE PARAPET REQUIRES A HARDENED ROUND STEEL WASHER WITH A 2 $\frac{1}{4}$ " O.D. X $\frac{5}{12}$ " THICK.
- (3) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POST WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.



DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 2-12-04 DATE

FHWA

EFFROADWAY DEVELOPMENT ENGINEER

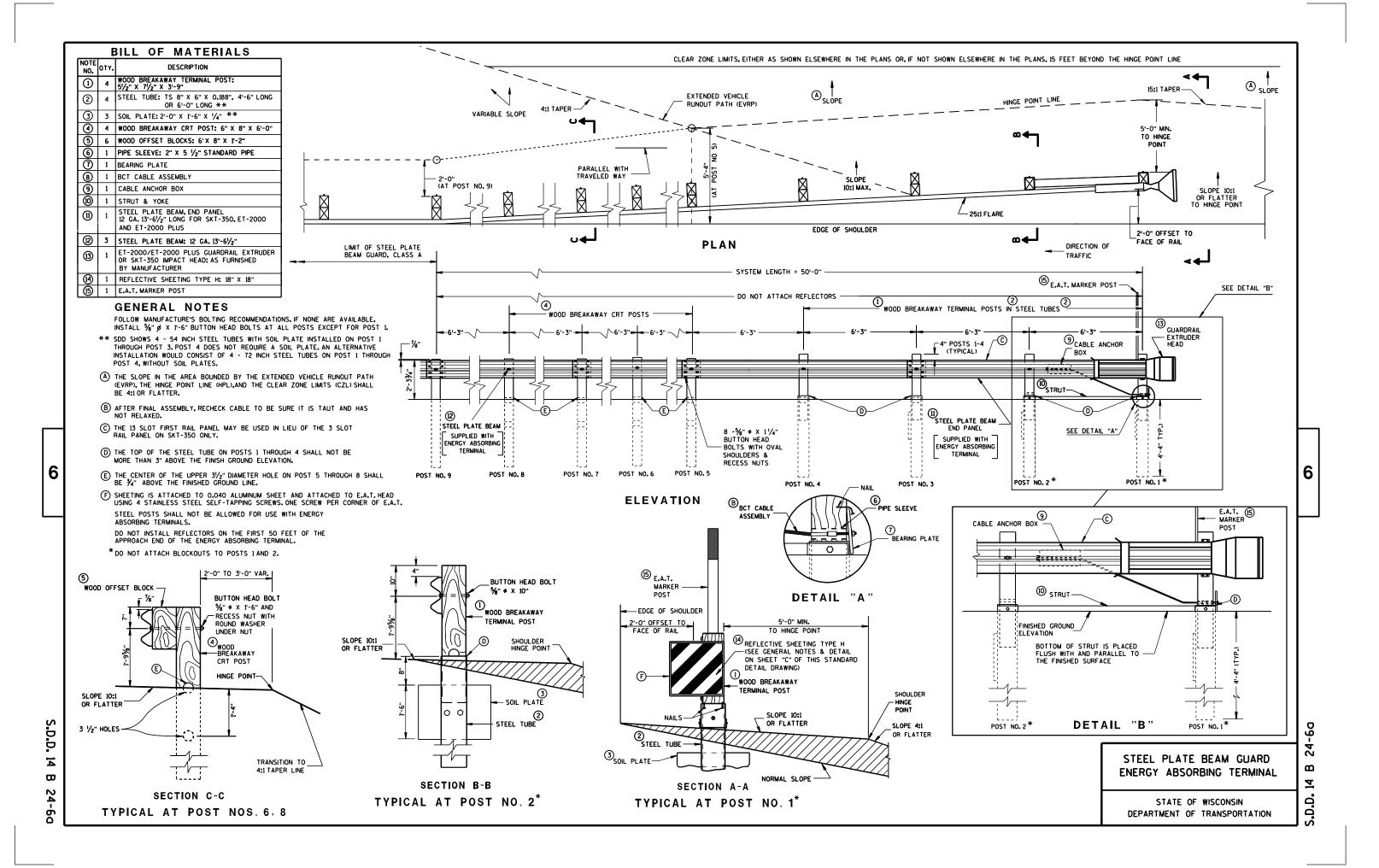
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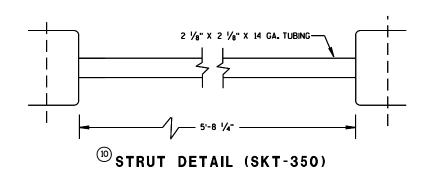
20-

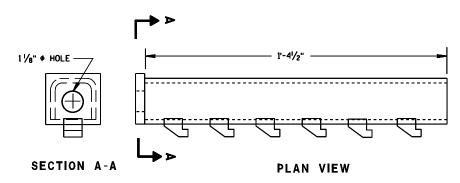
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7

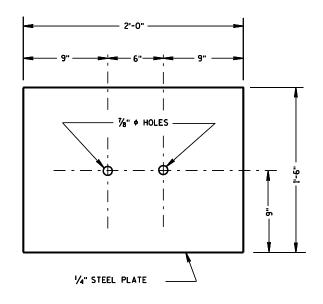
D.D.



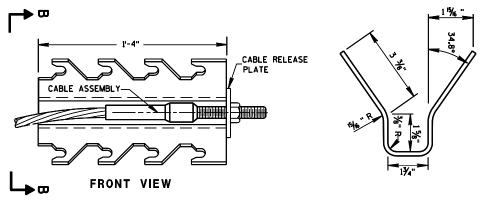




(9) CABLE ANCHOR BOX (ET-2000/ET-2000 PLUS)



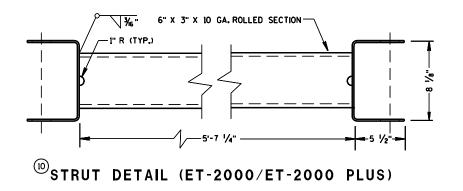
³SOIL PLATE (SKT-350, ET-2000/ET-2000 PLUS)



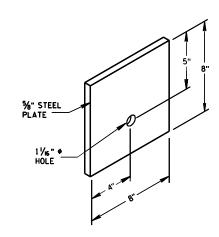
SECTION B-B

GABLE ANCHOR BOX (SKT-350)

(SKT-350)



(ET-2000/ET-2000 PLUS)



(SKT-350, ET-2000/ET-2000 PLUS)

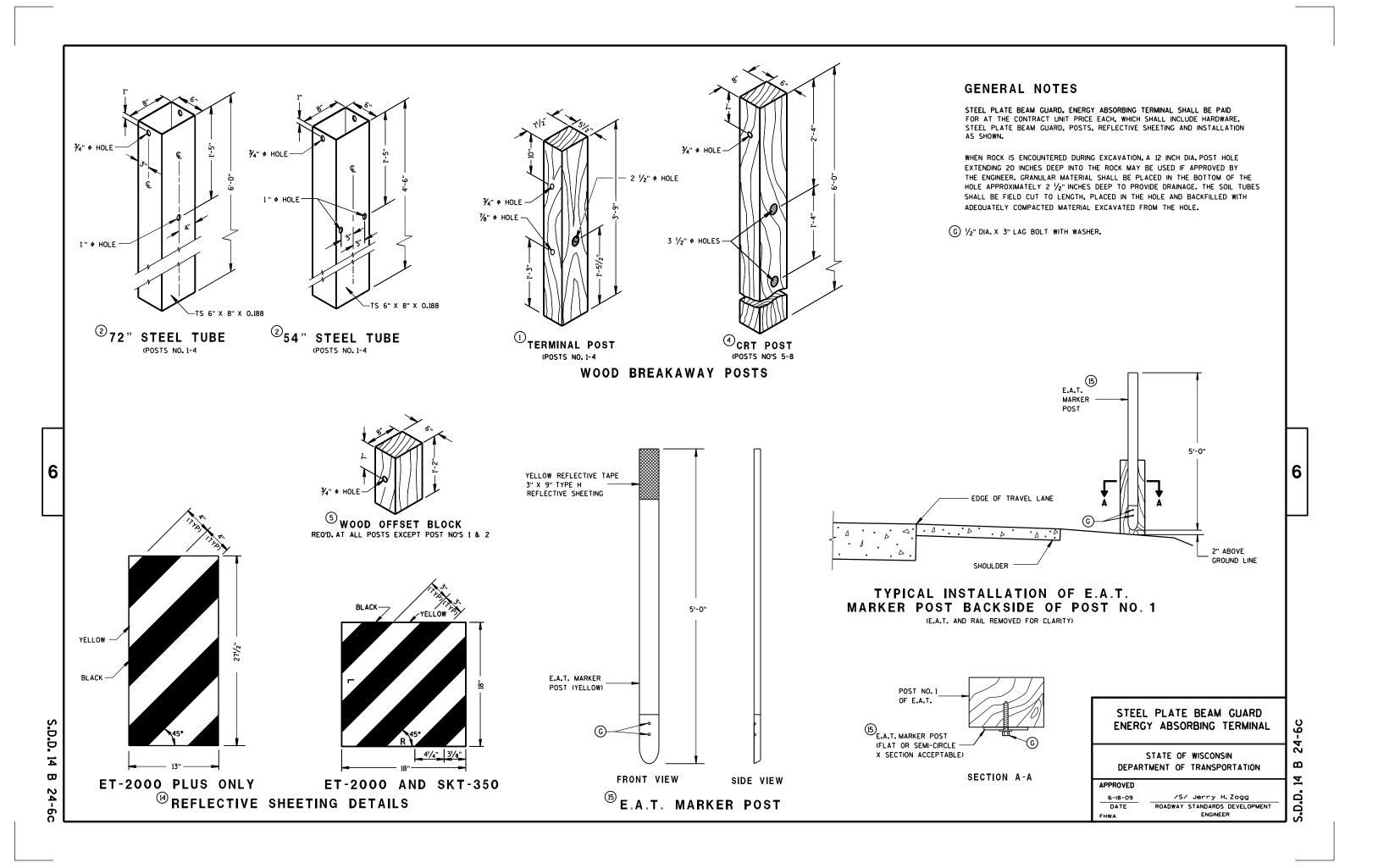
STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

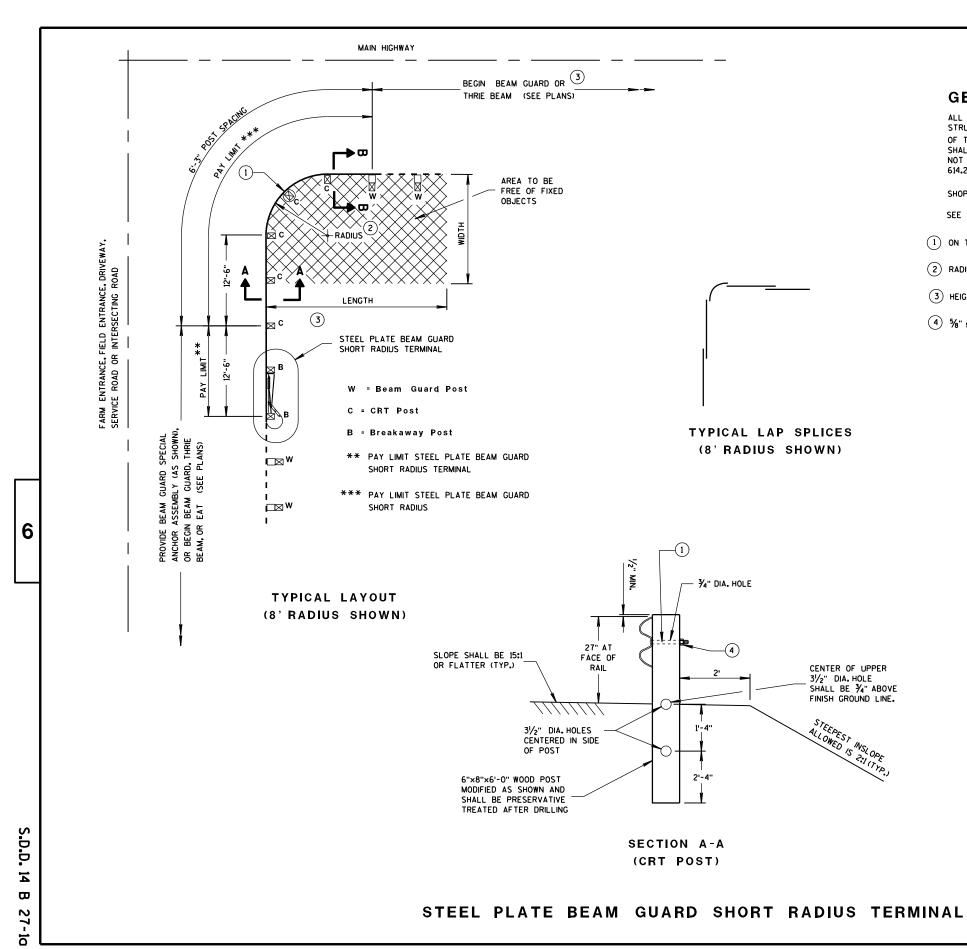
14 B

S.D.D.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 B 24-6b





GENERAL NOTES

ALL ANGLES, CHANNELS, AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36 AND THE STRUCTURAL TUBING SHALL CONFORM TO ASTM A 500. WELDING SHALL MEET THE CURRENT REQUIREMENTS OF THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE ANSI/AWS DLI. ALL STRUCTURAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 123, PUNCHING, DRILLING, CUTTING, OR WELDING WILL NOT BE PERMITTED AFTER GALVANIZING, FURNISH AND INSTALL HARDWARE PER STANDARD SPECIFICATION 614.2. UNLESS NOTED OTHERWISE.

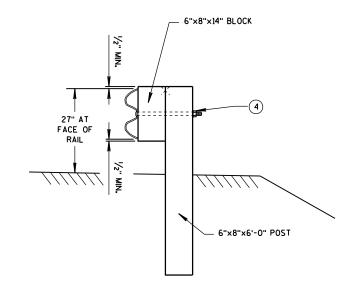
SHOP BEND CURVED RAIL SECTIONS.

SEE STANDARD DETAIL DRAWING 14 B 15 FOR OTHER DETAIL.

- (1) ON THE 8 FOOT RADIUS INSTALLATION, DO NOT INSTALL BUTTON HEAD BOLT AT CENTER CRT POST.
- (2) RADIUS FROM 8' 36'. SEE PLAN.
- (3) HEIGHT TRANSITION MAY BE REQUIRED. SEE PLAN OR PROJECT ENGINEER.
- (4) %" ø x 1'-6" BUTTON HEAD BOLT AND RECESS NUT WITH ROUND WASHER UNDER NUT.

RADIUS	NUMBER OF CRT POSTS		REQUIRED AREA FREE OF FIXED OBJECTS (LENGTH × WIDTH)
8'	5	1 at 12.5'	25' × 15'
16'	7	1 a† 25'	30' × 15'
24'	9	1 at 25' and 1 at 12.5'	40' × 20'
32'	11	2 at 25'	50' × 20'

* THE NUMBER OF RAILS IS BASED ON A 90° INTERSECTION. SEE PLAN FOR NON 90° INSTALLATIONS.



SECTION B-B (BEAM GUARD POST)

STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL

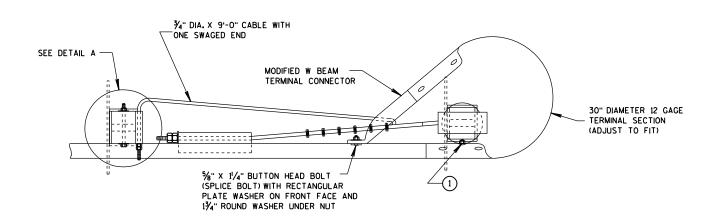
2

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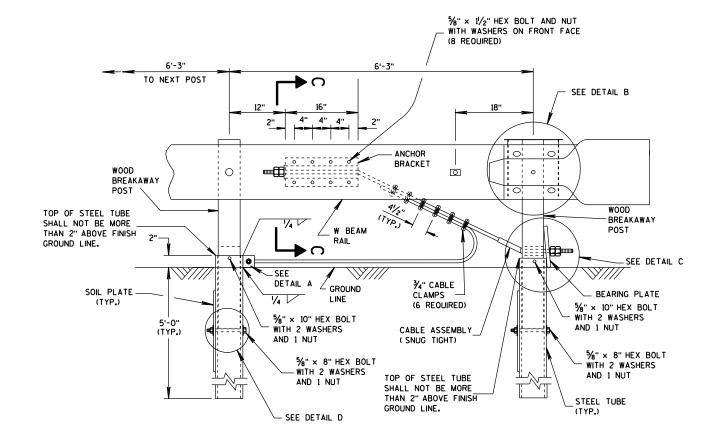
7

D.D.

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PLAN VIEW



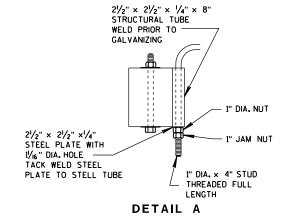
ELEVATION VIEW

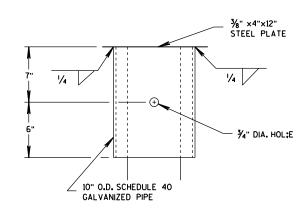
STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL

GENERAL NOTES

1 ATTACH W BEAM RAIL TO THE STEEL PIPE WITH A 1/8" X 2" BUTTON HEAD BOLT WITH NO WASHER. CONNECTION TO THE POST IS NOT REQUIRED.

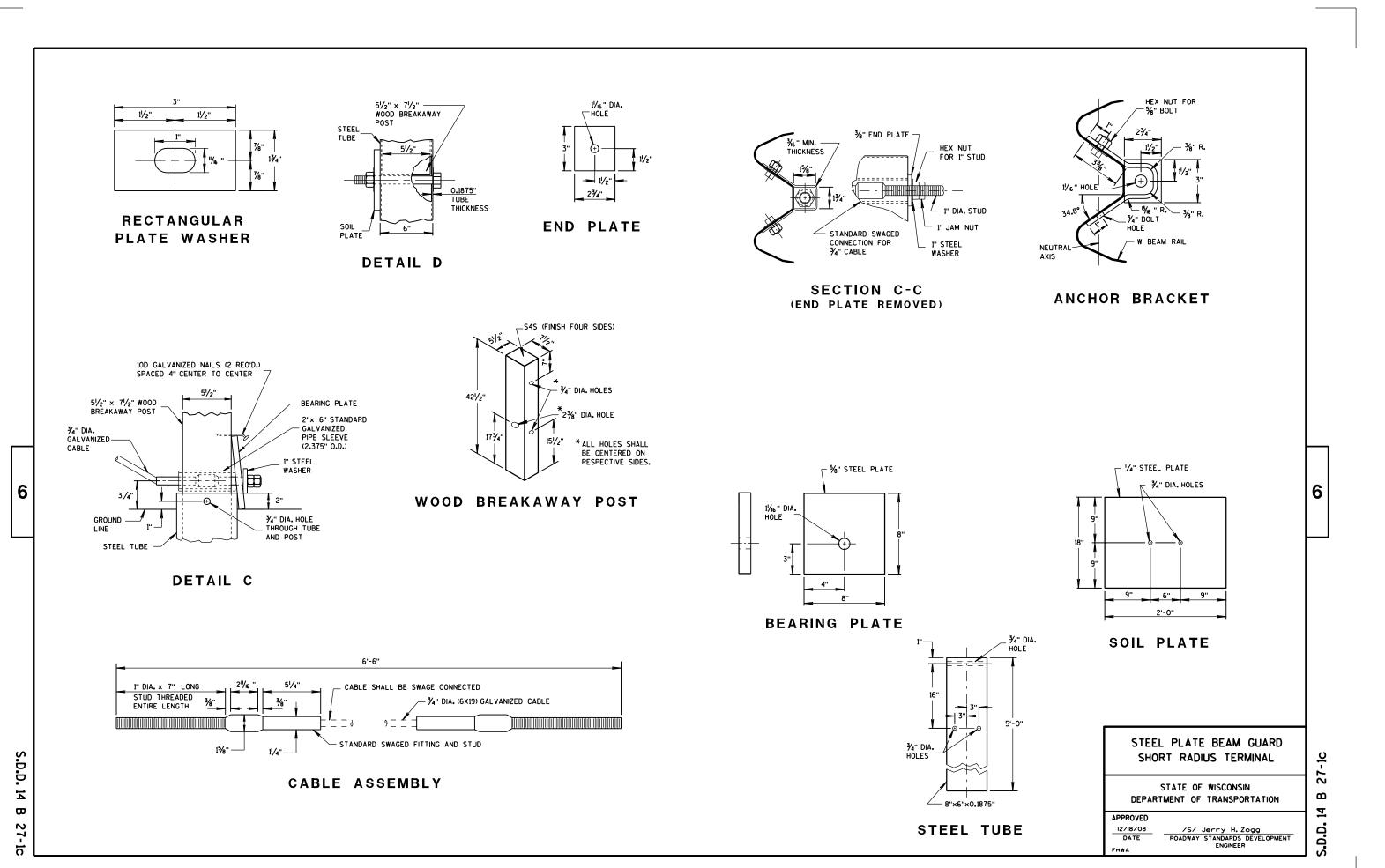
INSTALL GALVANIZED ¾" (6X19) PREFORMED WIRE OR INDEPENDENT WIRE ROPE CORE CONFORMING TO AASHTO M 30. MANUFACTURE WIRE ROPE OUT OF IMPROVED PLOW STEEL WITH A MINIMUM BREAKING STRENGTH OF 42,800 PSI.





DETAIL B (BEAM GUARD AND TERMINAL SECTION NOT SHOWN)

STEEL PLATE BEAM GUARD SHORT RADIUS TRMINAL



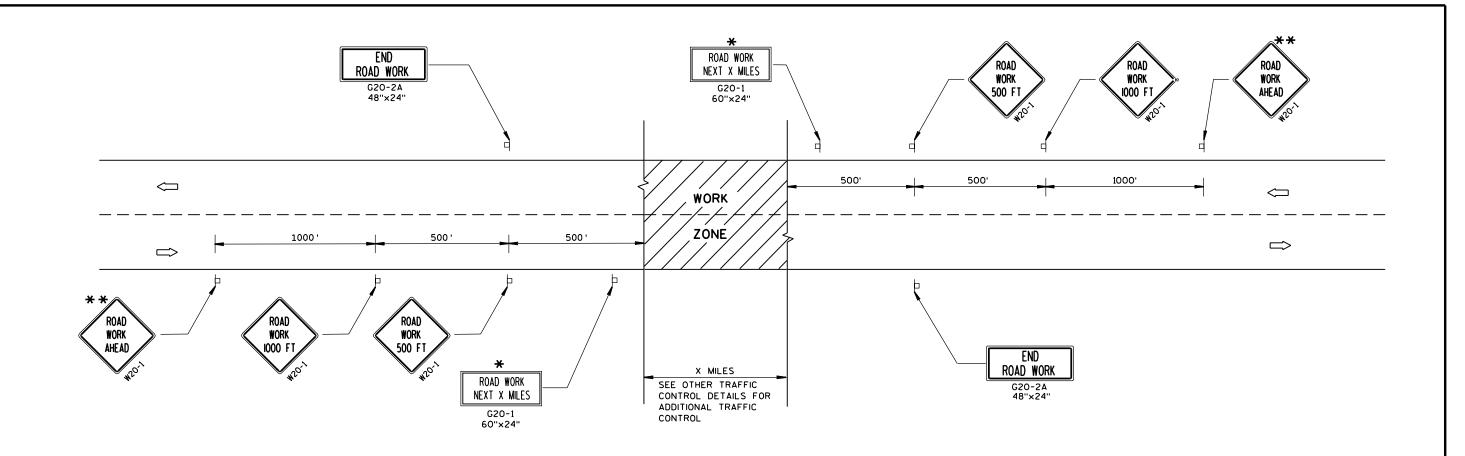
6



D.D.

5

 C



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

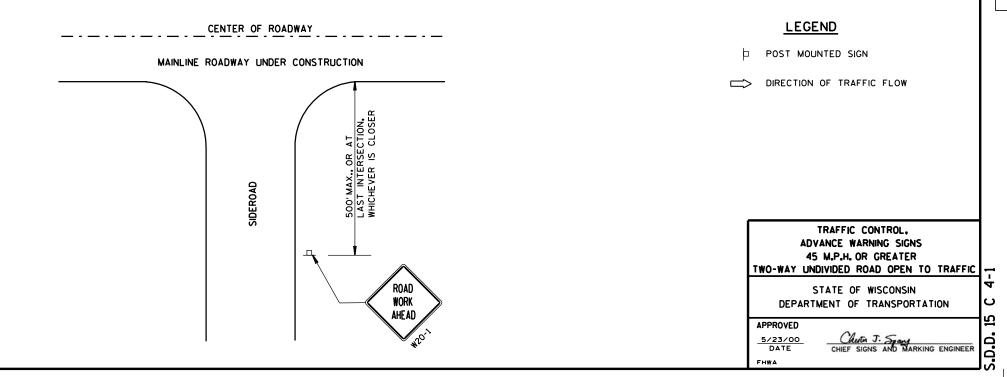
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

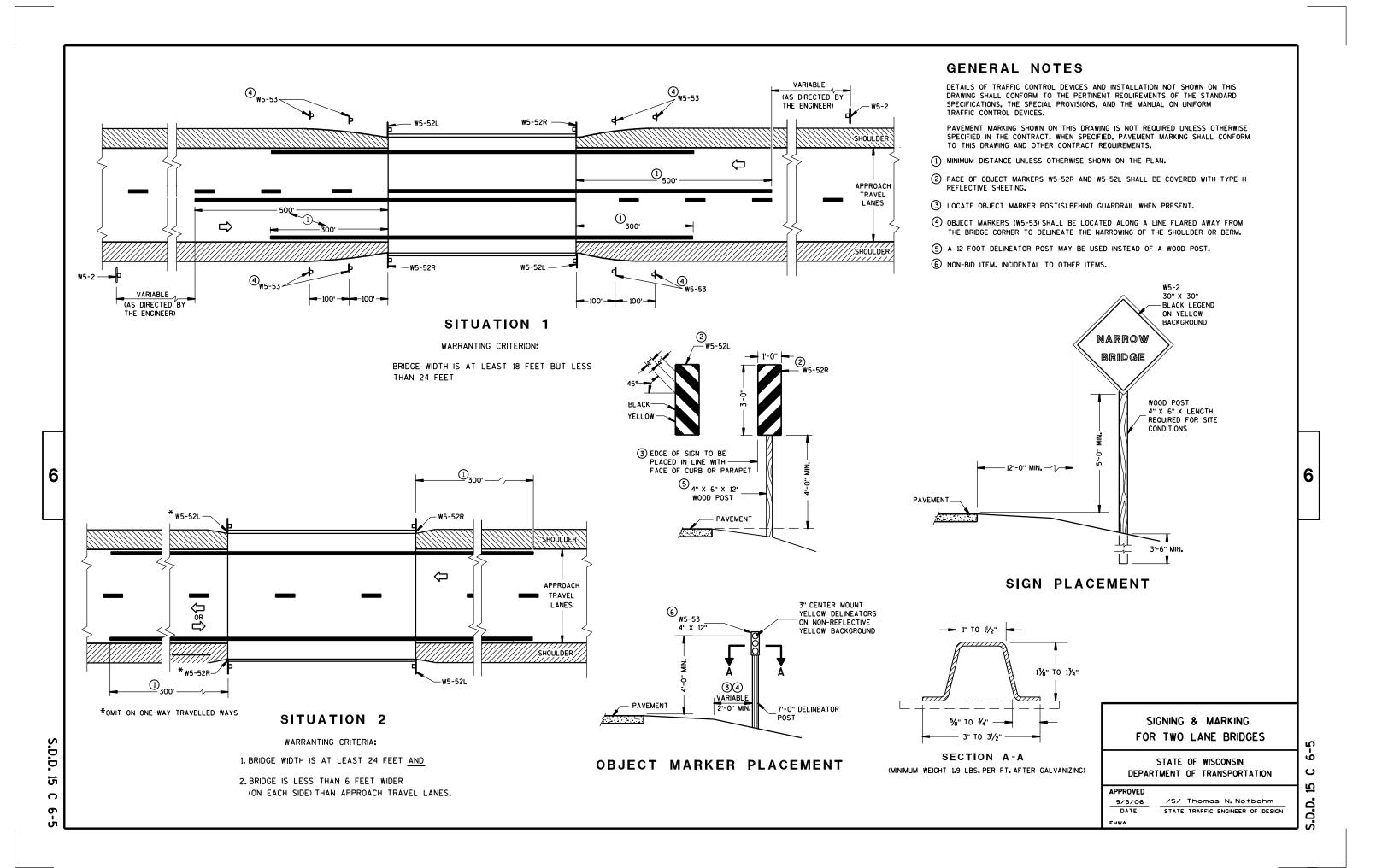
ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

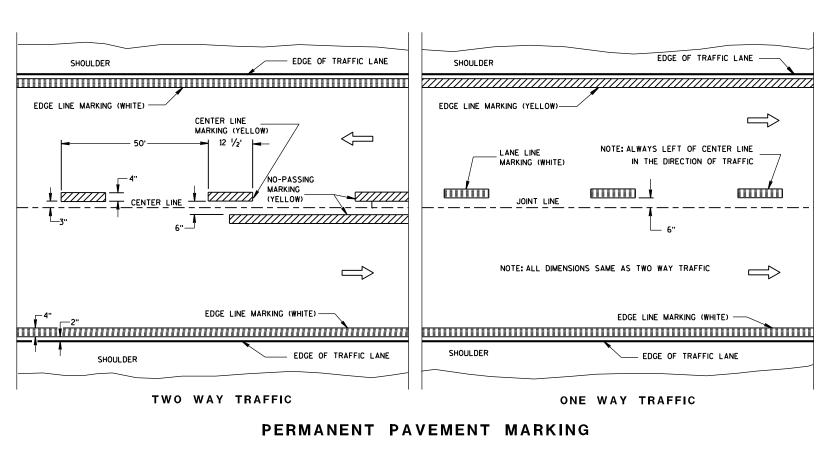
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

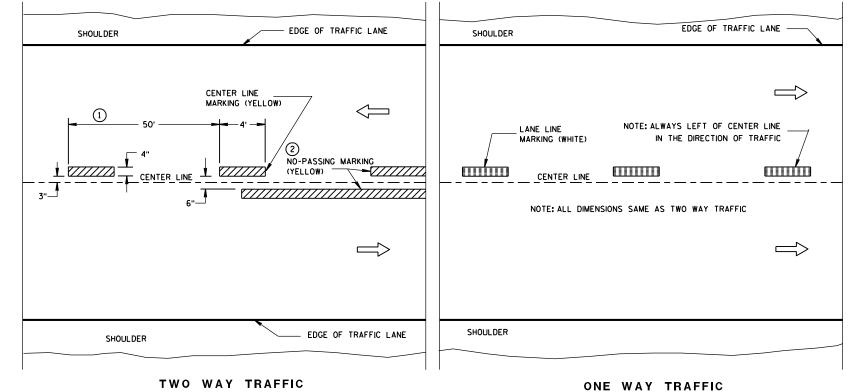
IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

- * 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 OR SIGNING.









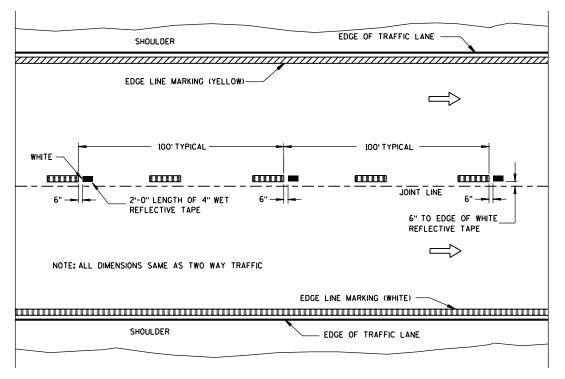
GENERAL NOTES

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

- (1) HALF CYCLE LENGTHS (25'±) WITH 2'MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- (2) NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.

NOTE

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

DATE STATE TRAFFIC ENGINEER OF DESIGN

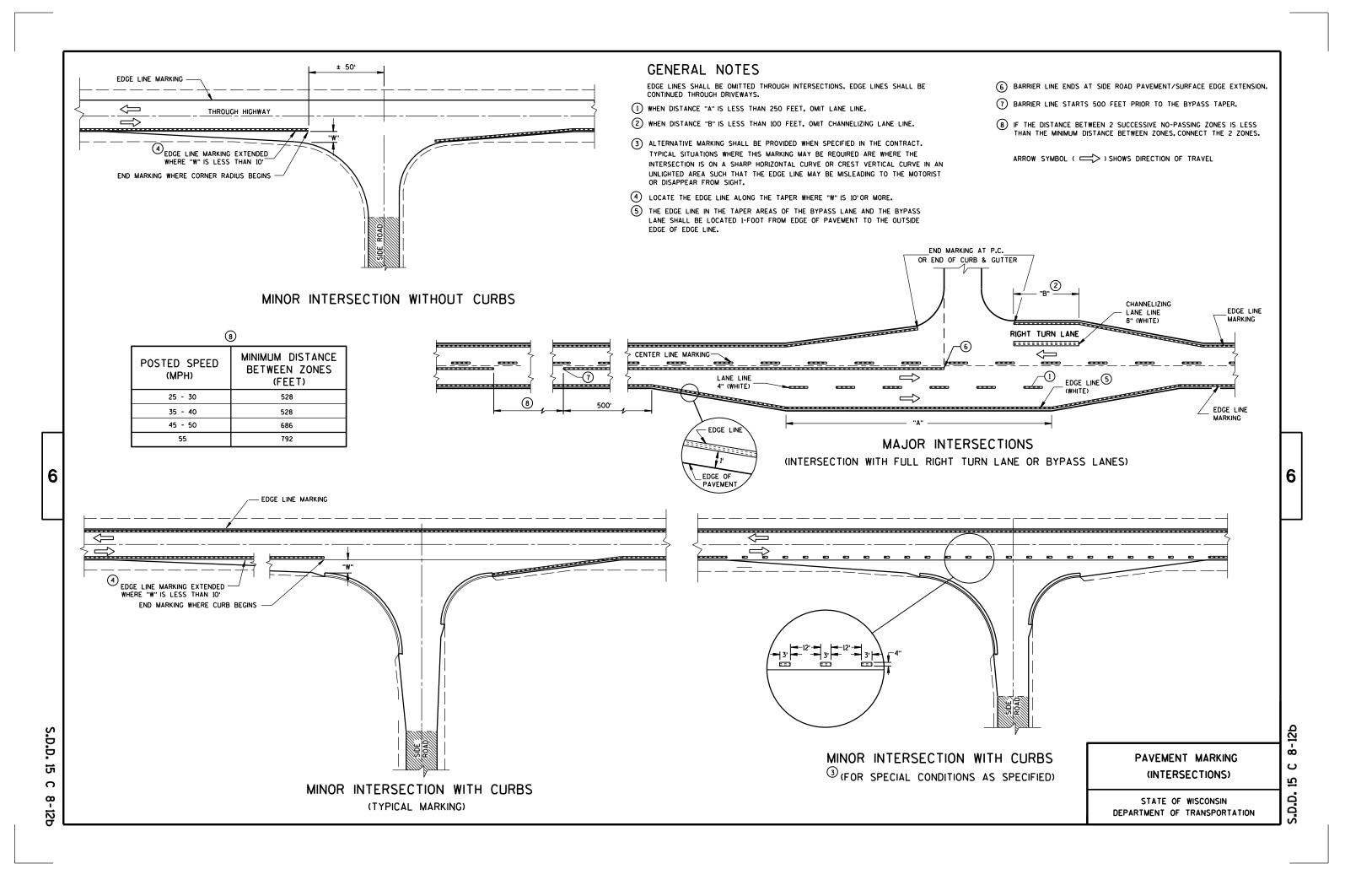
5.D.D. 15 C 8-12

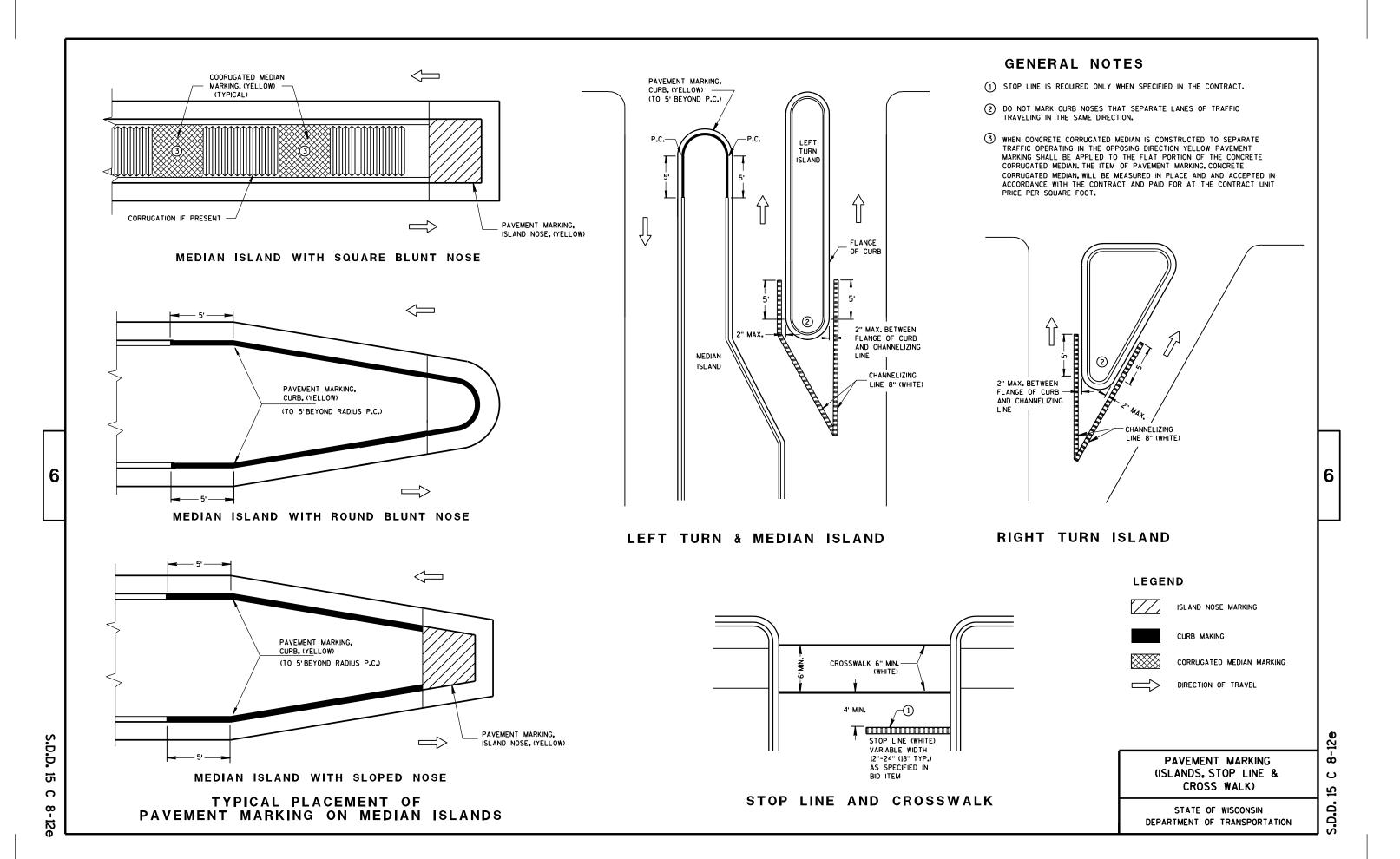
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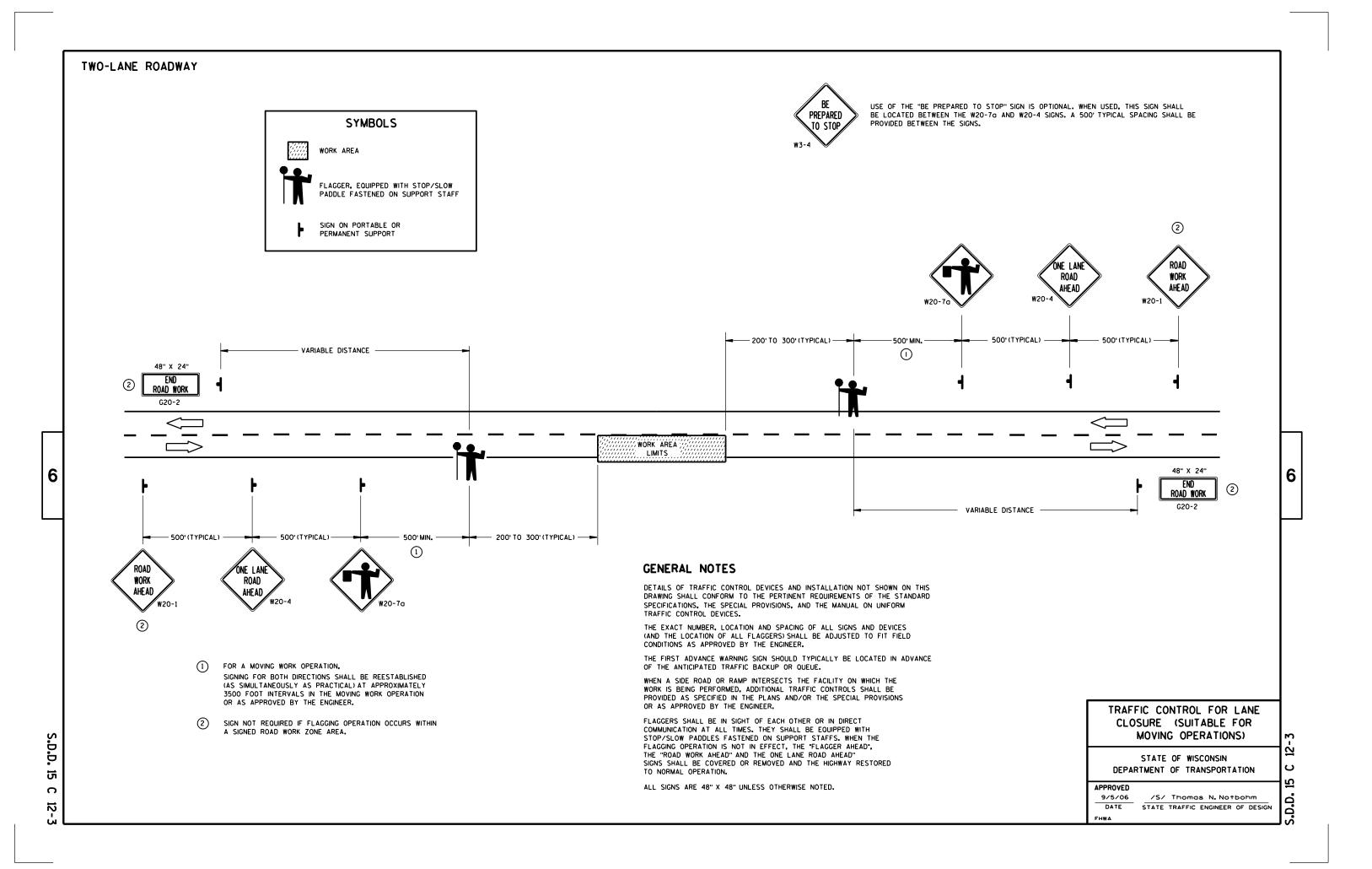
(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

.D.D. 15 C 8-1

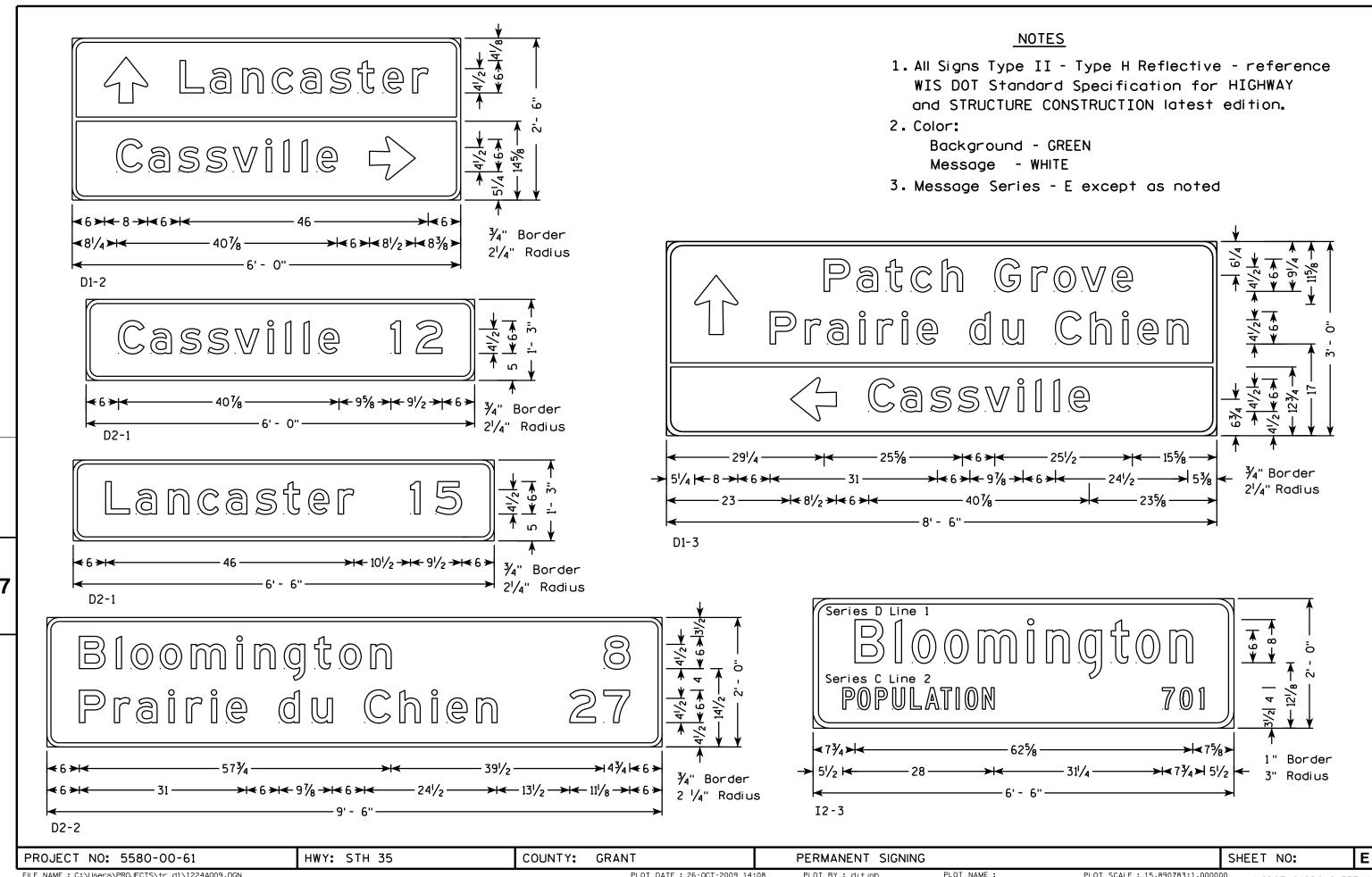






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FHWA



FILE NAME : C:\Users\PROJECTS\tr_d1\1224A009.DGN

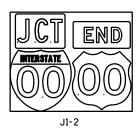
PLOT BY : dit iph

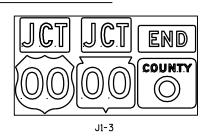
PLOT SCALE: 15.890783:1.000000

WISDOT/CADDS SHEET 42

TYPICAL ASSEMBLIES

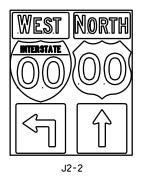


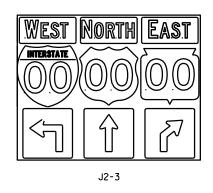






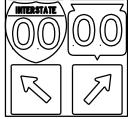


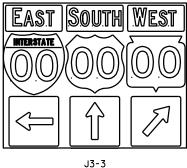












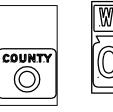


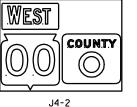






















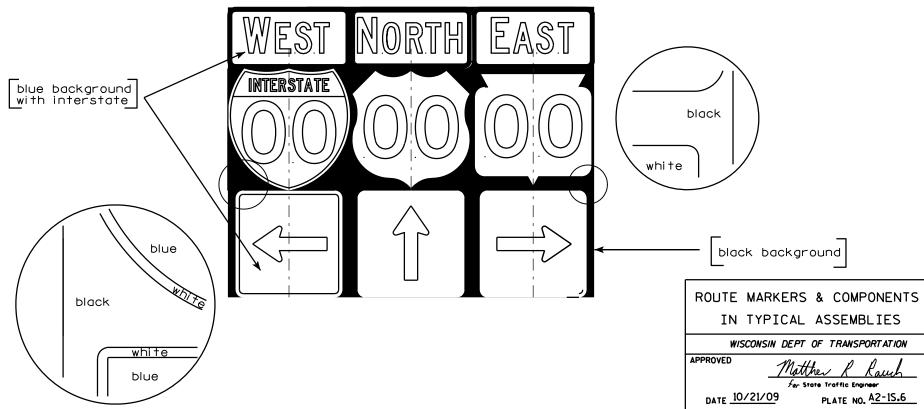


NOTES

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

Background - Black Non-reflective Message - see Note 5

- 3. Message Series See Note 5
- 4. Corners shall be square since base material is plywood.
- 5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
- 6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
- 7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
- 8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
- 9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



COUNTY

J13-1

PROJECT NO:





FRONTAGE







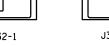


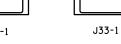














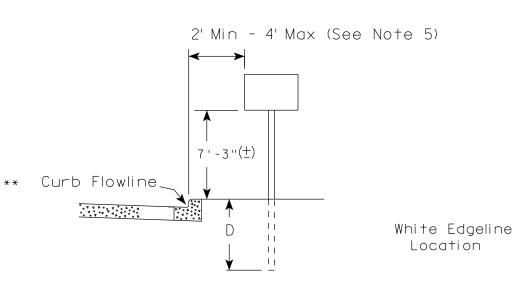




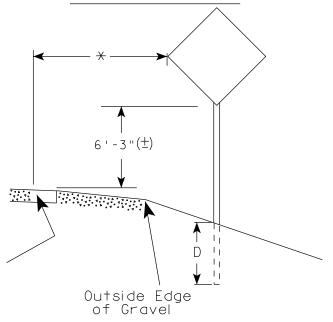
SHEET NO:

Ε

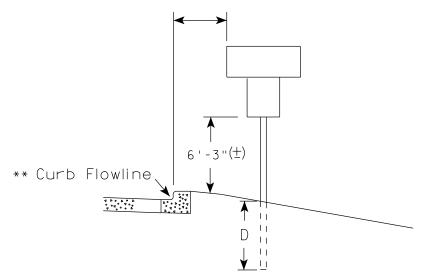
URBAN ARFA



RURAL ARFA (See Note 2)



2' Min - 4' Max (See Note 5)



5'-3"(士) The state of the s White Edgeline D 11 Location Outside Edae of Gravel

- $\mid_{X|X}$ The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

PLOT BY : dit iph

GENERAL NOTES

- 1. Signs wider than 4 feet or larger than 20 sq. ft. shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sian plate.
- 3. For expressways and freeways, mounting height is 7'- 3" (+) or 6'-3" (+) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A4-5) is 7'-3'' (±) or 6'-3'' (+) per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3" (+).
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3''(+) or as directed by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (+). The Chevron sign (W1-8), Roundabout Chevron panel (W1-8A), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of $4'-3''(\pm)$.

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

Matthew & Raugh for State Traffic Engineer

DATE 9/30/09

PLATE NO. 44-3.15

PROJECT NO:

HWY:

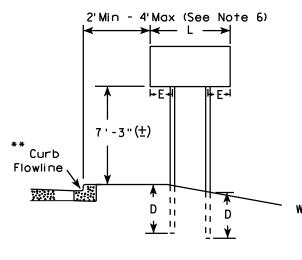
COUNTY:

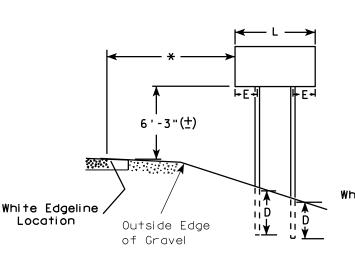
PLOT NAME :

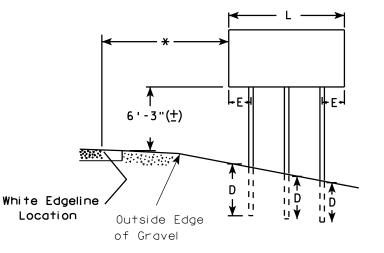
PLOT SCALE: 101.303739:1.000000

URBAN AREA

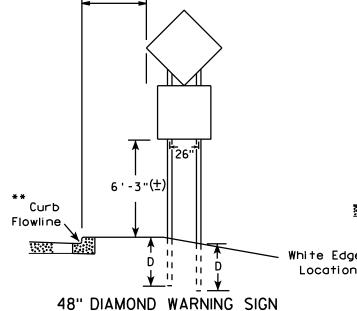
RURAL AREA (See Note 3)







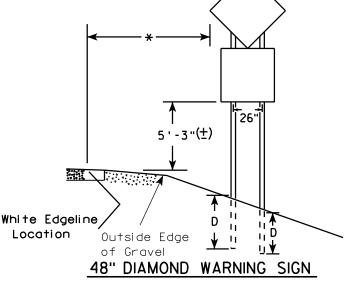
2' Min - 4' Max (See Note 6)



Ε

12"

L/5



COUNTY:

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

HWY:

SIGN SHAPE OTHER THAN (FOUR POSTS REQUIRE	
L	E
168" and greater	12"

GENERAL NOTES

- 1. For multiple 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 (A4-5) 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 stop signs (R1-1F) 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 (W1-8A). Clearance Markers (W5-52). Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (\pm).
- * 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 or 20 S.F. or less in area.

POST EMBEDMENT DEPTH

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

PLOT BY : ditiph

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 9/30/09

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\A44.DGN

Greater than 48"

Less than 60"

60" to 120"

* * *

PROJECT NO:

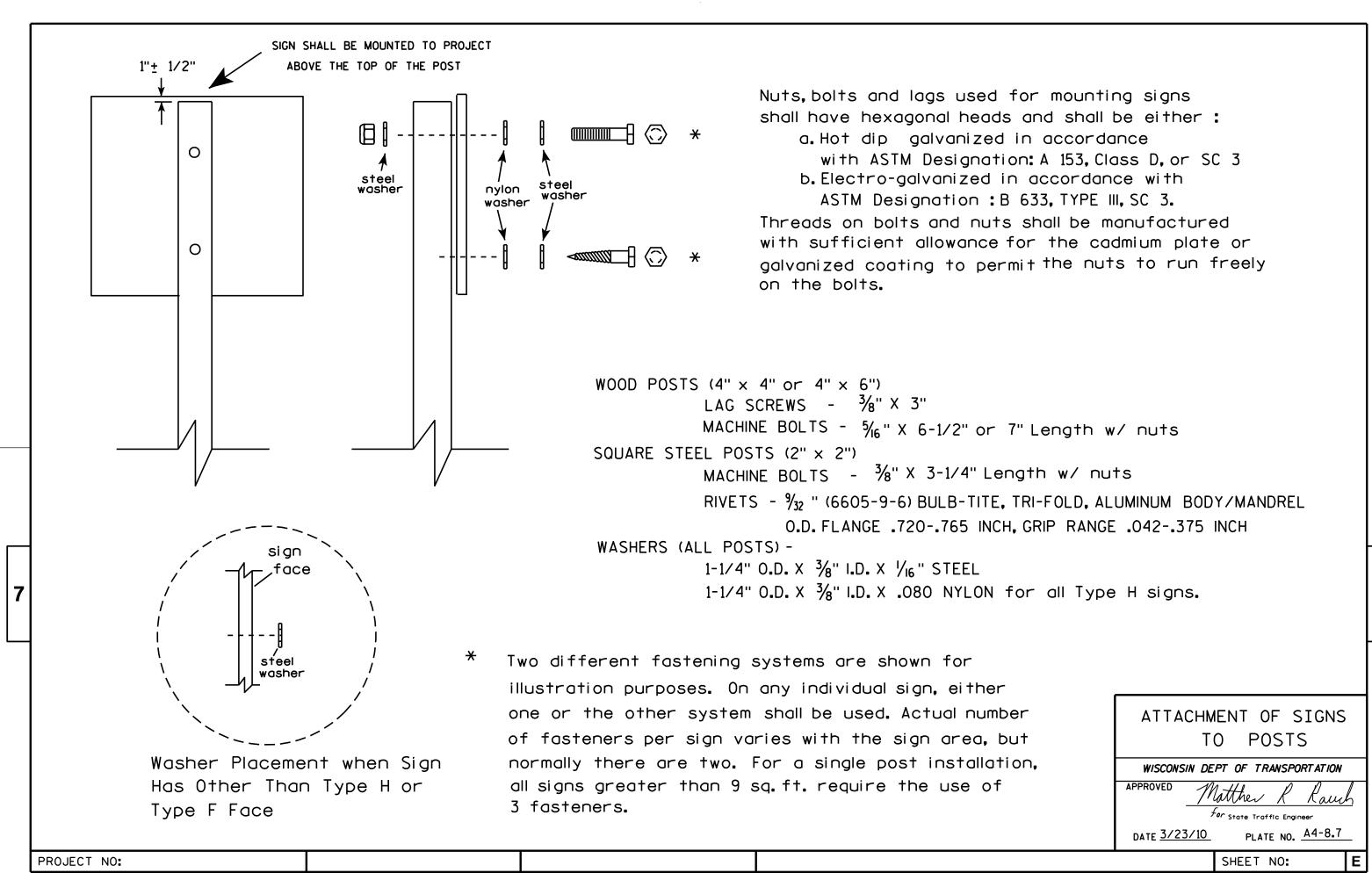
SIGN SHAPE OTHER THAN DIAMOND

(TWO POSTS REQUIRED)

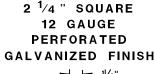
PLOT DATE: 30-SEP-2009 10:08

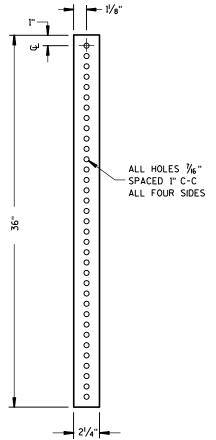
PLOT NAME :

PLOT SCALE: 109.249131:1.000000

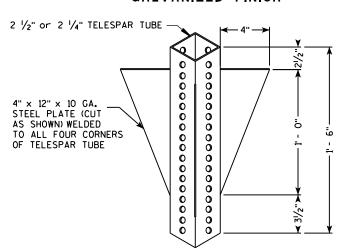


TELESCOPIC TUBING ANCHORS TWO PIECE SYSTEM

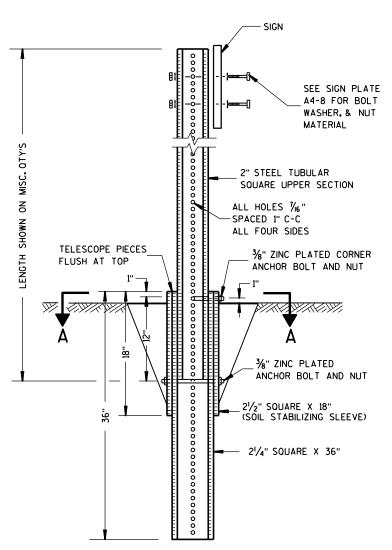




2 ¹/₂ " SQUARE 12 GAUGE **OMNI-DIRECTIONAL** PERFORATED SOIL STABILIZING SLEEVE **GALVANIZED FINISH**



DETAIL OF TUBULAR STEEL SIGN POST



3/8" ZINC PLATED CORNER ANCHOR BOLT AND NUT
DIRECTION OF TRAFFIC

SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

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

TUBULAR STEEL SIGN POST A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer DATE 4/14/09 PLATE NO. <u>A4-9.5</u>

SHEET NO:

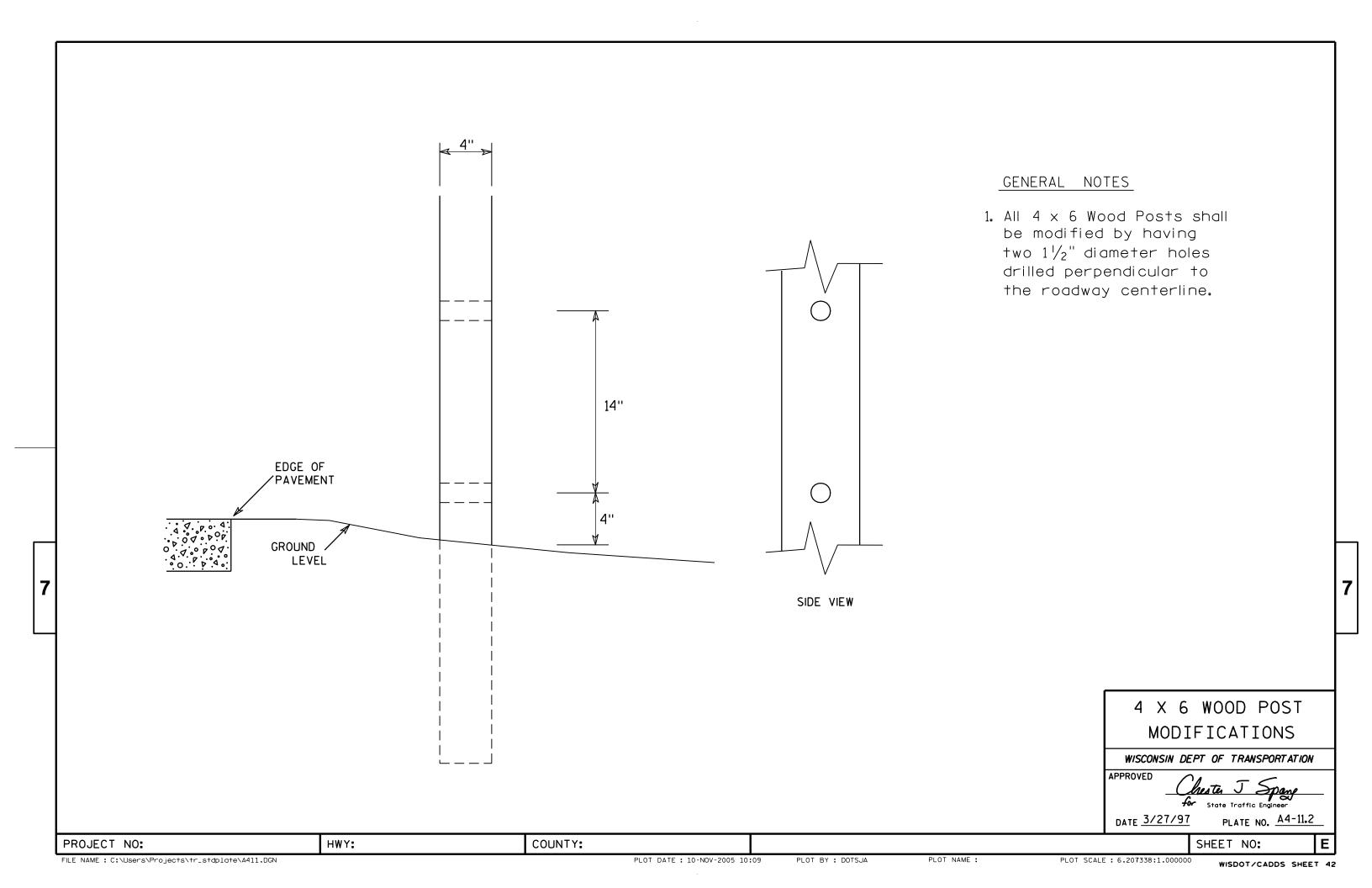
PROJECT NO:

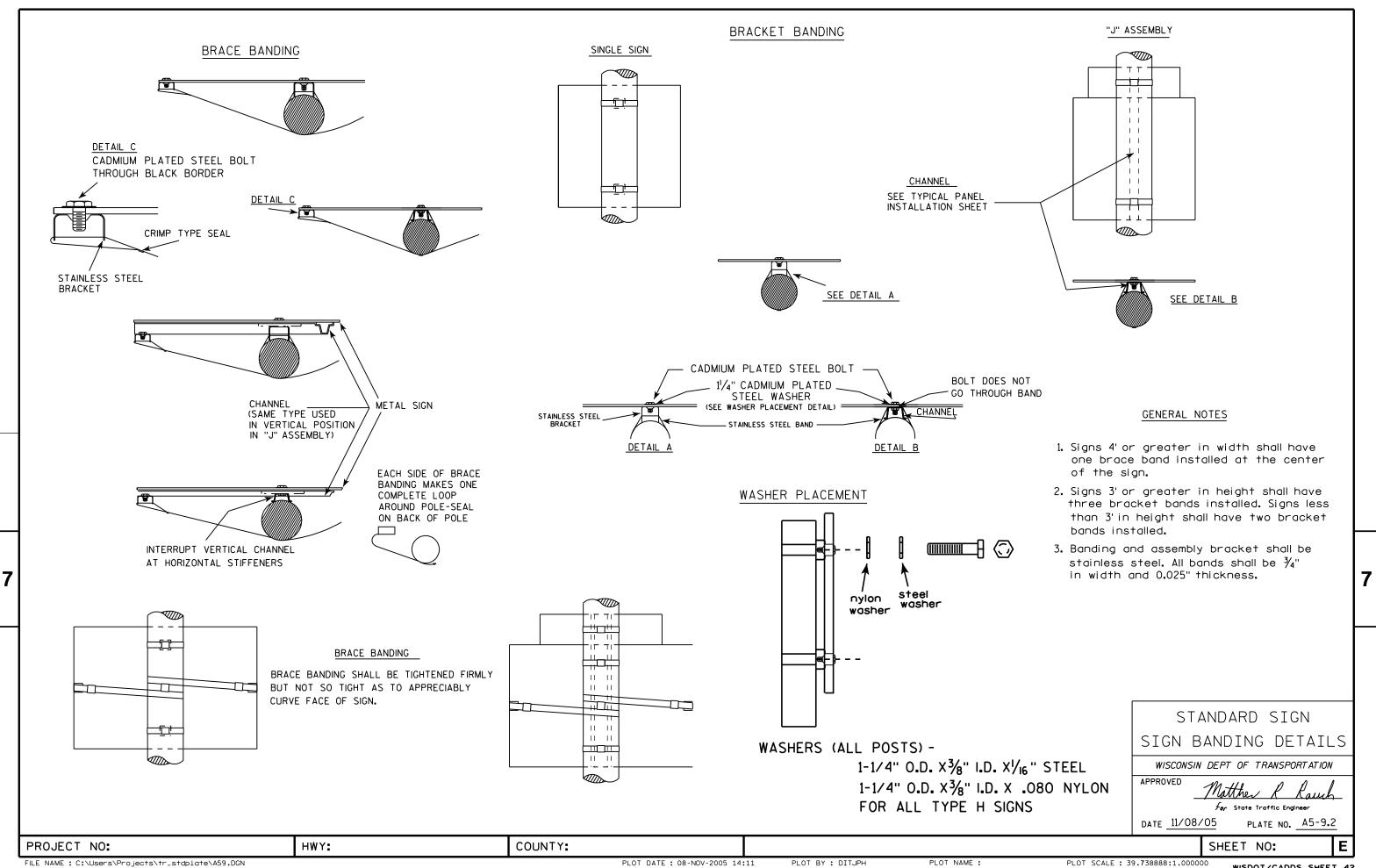
HWY:

COUNTY:

PLOT NAME :

PLOT SCALE: 11.620136:1.000000







HWY:

Background Colors of Symbol*

White Red Yellow Blue Black Orange Green

SIZE					
1					
2	750	mm	X	900	mm
3					
4					
5					

PROJECT NO:

Metric equivalent for this sign is:

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

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.	Areo m2
1																												
2	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 1/8	1	8	2 1/8	11 1/4	11 1/8	9 %	1 1/4		3/4	12 5/8	7 1/2							7.5	.68
3																												
4																												
5																												
																		-										

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

WISCONSIN DEPT OF TRANSPORTATION

for State Traffic Engineer

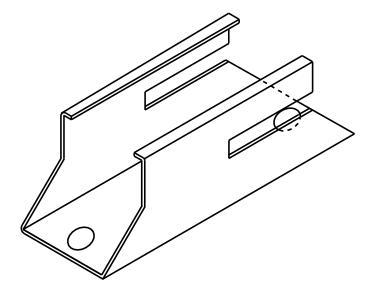
APPROVED

DATE 2/8/10 PLATE NO. 155-56.2

SHEET NO:

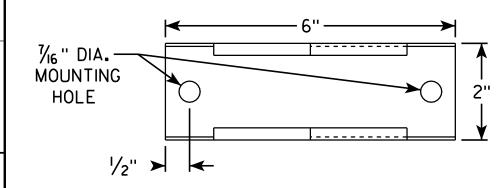
PLOT NAME :

ISOMETRIC VIEW

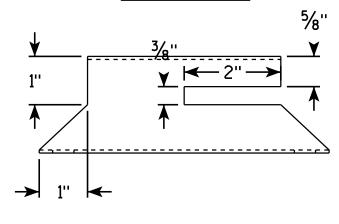


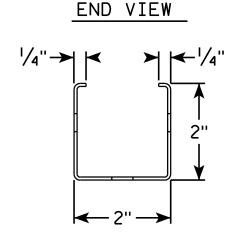
TOP VIEW

HWY:



SIDE VIEW

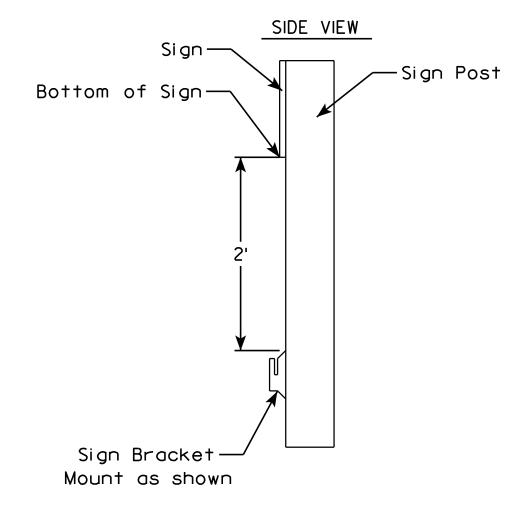




COUNTY:

NOTES

- 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

For State Traffic Engineer

DATE 2/5/10 PLATE NO. 155-56Ba1

SHEET NO:

PLOT DATE: 01-MAR-2010 15:34

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 1.986348:1.000000

WISDOT/CADDS SHEET 42

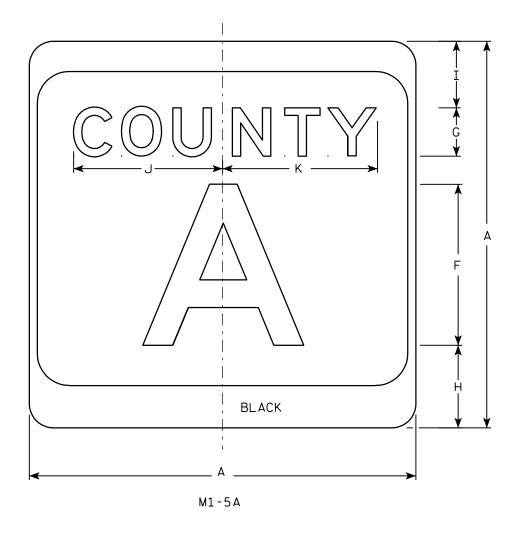
PROJECT NO:

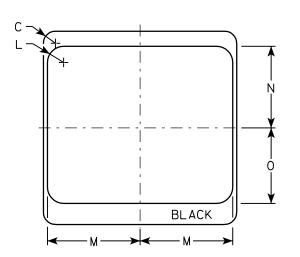
- 1. Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

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 appropirate letters & optically adjust spacing to achieve proper balance.
- 7. Permanent Signs

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





Metric equivalent for this sign is:

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

Area sq. ft. Area m2 SIZE Α С D Ε F G Н 0 Р Q R S U Ζ 2 11 1/2 10 1/8 9 3/8 1 1/2 4 1/8 9 1/4 9 % 24 10 3 5 1/8 2 4.0 .36 12 1/4 12 1/8 3 36 2 1/4 16 4 5 % 3 17 1/8 15 1/4 9.0 .81 14 5 % 4 36 2 1/4 12 1/4 12 1/8 17 1/8 15 1/4 16 4 14 9.0 .81 5 36 2 1/4 16 4 7 % 5 % 12 1/4 12 1/8 17 1/8 15 1/4 .81 9.0 PROJECT NO: HWY: COUNTY:

CTH MARKER M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J Spane DATE 3/20/02 PLATE NO. M1-5A.7

SHEET NO:

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

PLOT DATE: 13-OCT-2005 14:53

PLOT NAME : PLOT BY : DITJPH

PLOT SCALE : 5.960833:1.000000

- 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

J M N BLACK N V

	F A H H
Metric equivalent for this sign is:	1-6

HWY:

PROJECT NO:

900 mm X 900 mm

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	v	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	. 36
3	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
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 3/8	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

Cheste J Spane

For State Traffic Engineer

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

SHEET NO:

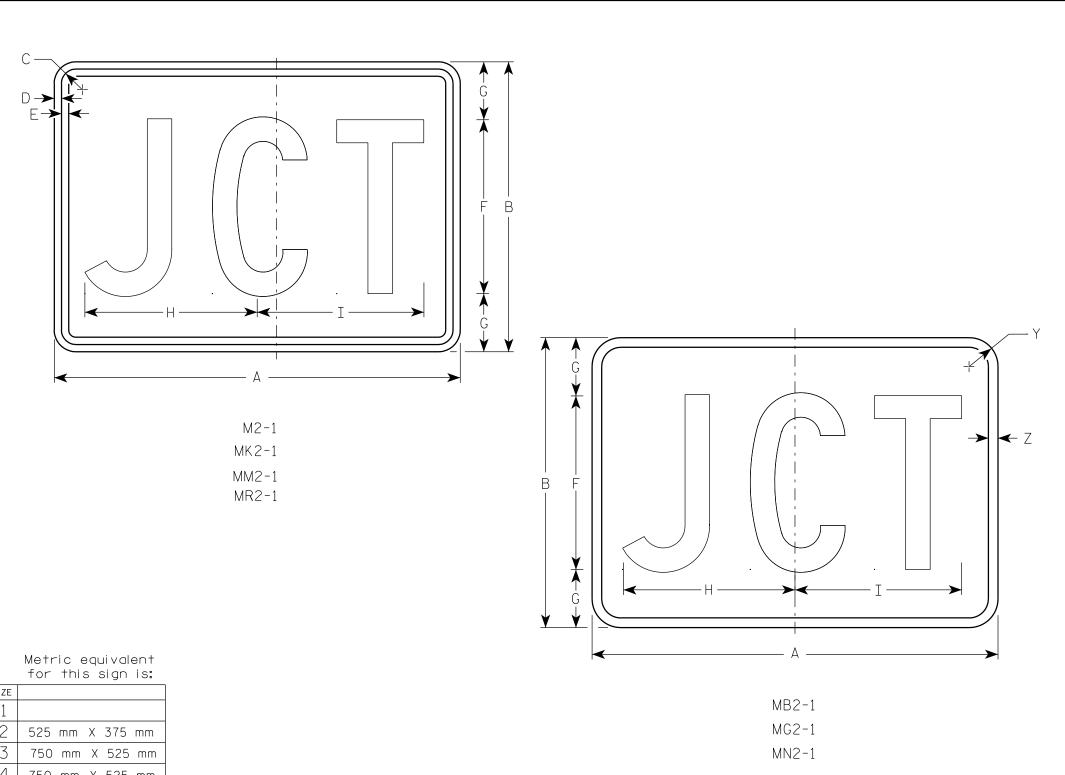
FILE NAME : C:\Users\Projects\tr_stdplate\M16.DGN

PLOT DATE: 13-OCT-2005 14:55

PLOT BY : DITJPH

PLOT NAME :

PLOT SCALE: 6.715871:1.000000



1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

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 Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
 - MB2-1 Background Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
 - MG2-1 Background Green Message - White - Type H Reflective
 - MK2-1 Background Green Message - White - Type H Reflective
 - MM2-1 Background White Type H Reflective Message - Green
 - MN2-1 Background Brown Message - White - Type H Reflective
 - MR2-1 Background Brown Message - Yellow - Type H Reflective

750 mm X 525 mm 750 mm X 525 mm

PROJECT NO:

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Υ	Z	Area sq. ft.	Area m2
1																												
2	21	15	1 1/8	3/8	3/8	9	3	8 1/8	8 5/8																1 1/2	1/2	2.20	0.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
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	0.20
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 f_{or} State Traffic Engineer

DATE <u>3/</u>16/10

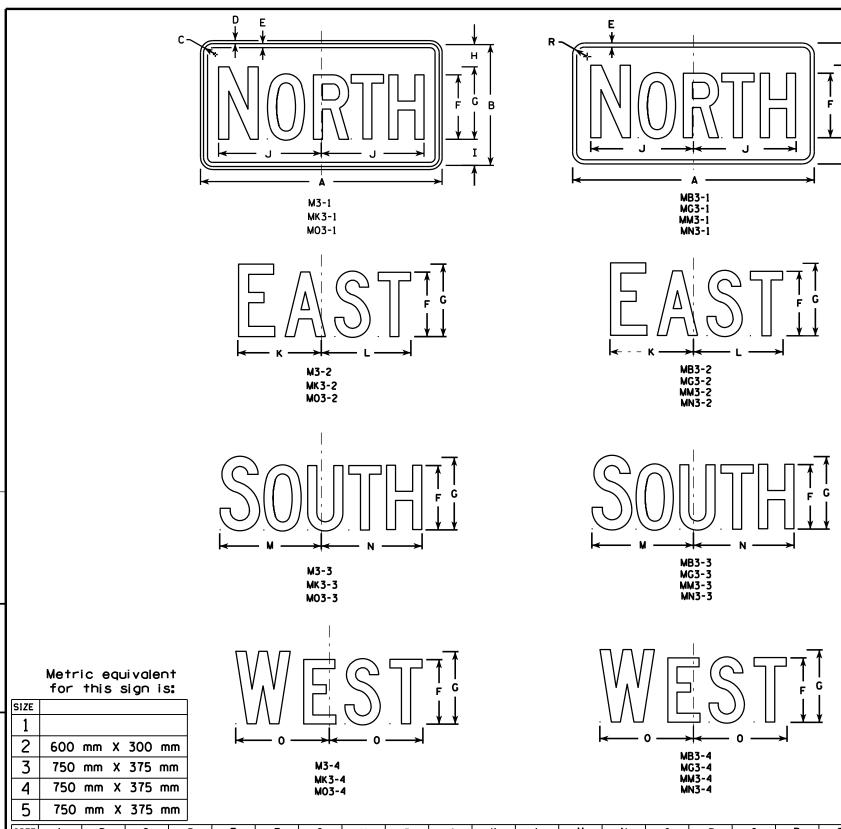
PLATE NO. M2-1.10 SHEET NO:

HWY:

COUNTY:

PLOT NAME :

PLOT SCALE: 4.965868:1.000000



HWY:

NOTES

- 1. All Signs Type II See Note 5 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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 - Type H Reflective (Detour or temporary signs - Reflective) Message - Black MB3-1 thru MB3-4 Background - Blue Message - White - Type H Reflective (Detour or temporary signs - Reflective) MG3-1 thru MG3-4 Background - Green Message - White - Type H Reflective MK3-1 thru MK3-4 Background - Green Message - White - Type H Reflective MM3-1 thru MM3-4 Background - White - Type H Reflective Message - Green Background - Brown MN3-1 thru MN3-4 Message - White - Type H Reflective M03-1 thru M03-4 Background - Orange - Reflective Message - Black
- 6. Note the first letter of each direction is larger than the remainder of the message.

		<i>- -</i>	. 3.3																									
SIZ	E A	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	12	1 1/8	3/8	1/2	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	0.18
3	30	15	1 1/8	3/8	1/2	8	9	2 3/4	3 1/4	12 3/4	10 3/8	11 1/8	12 5/8	12 1/2	11 5/8			1 1/2									3.13	0.28
4	30	15	1 1/8	3/8	1/2	8	9	2 3/4	3 1/4	12 3/4	10 3/8	11 1/8	12 %	12 1/2	11 %			1 1/2									3.13	0.28
5	30	15	1 1/8	3/8	1/2	8	9	2 3/4	3 1/4	12 3/4	10 3/8	11 1/8	12 %	12 1/2	11 %	·		1 1/2			·			·			3.13	0.28

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

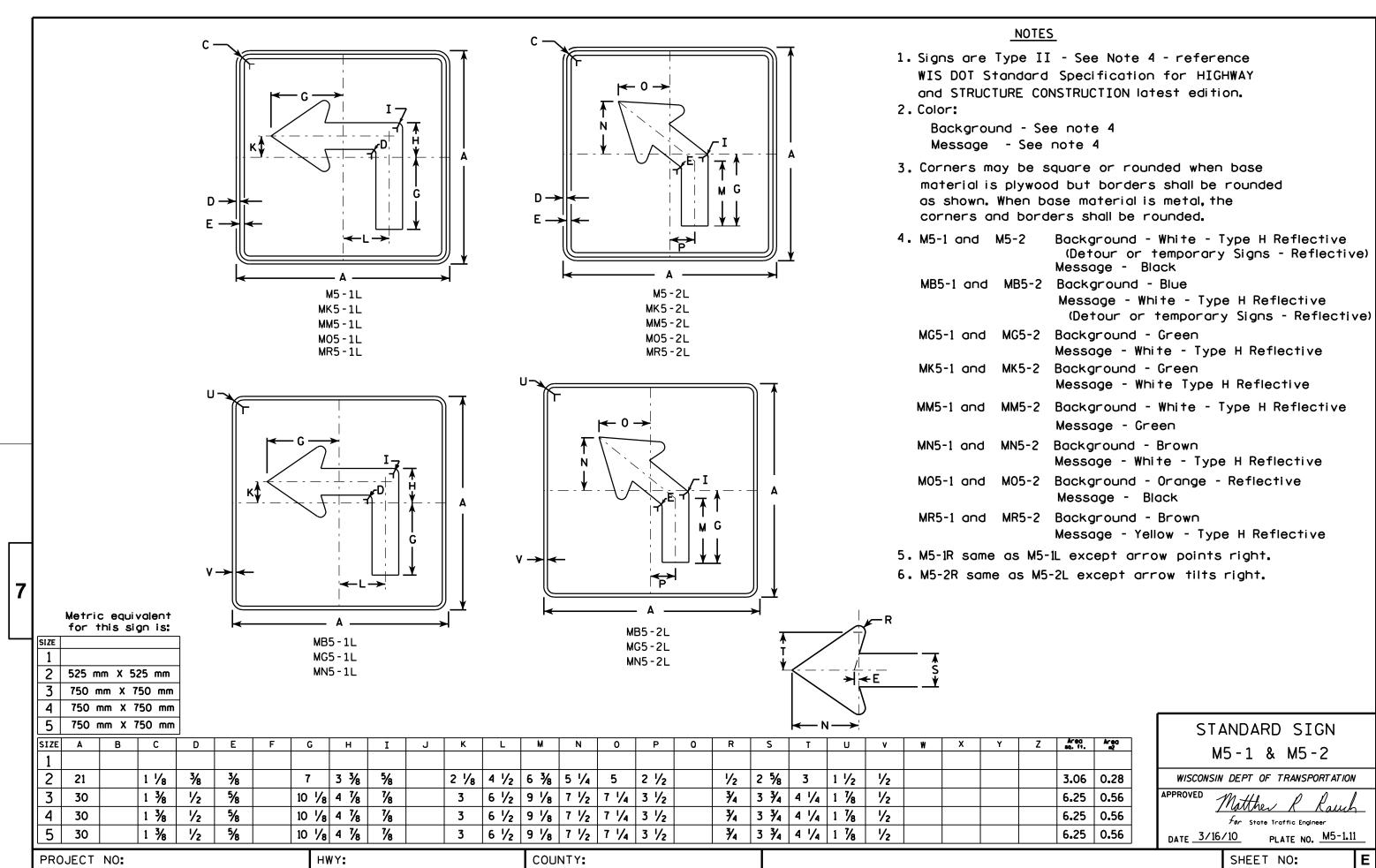
For State Traffic Engin

ATE 3/16/10 PLATE NO. M3-1.11

SHEET NO:

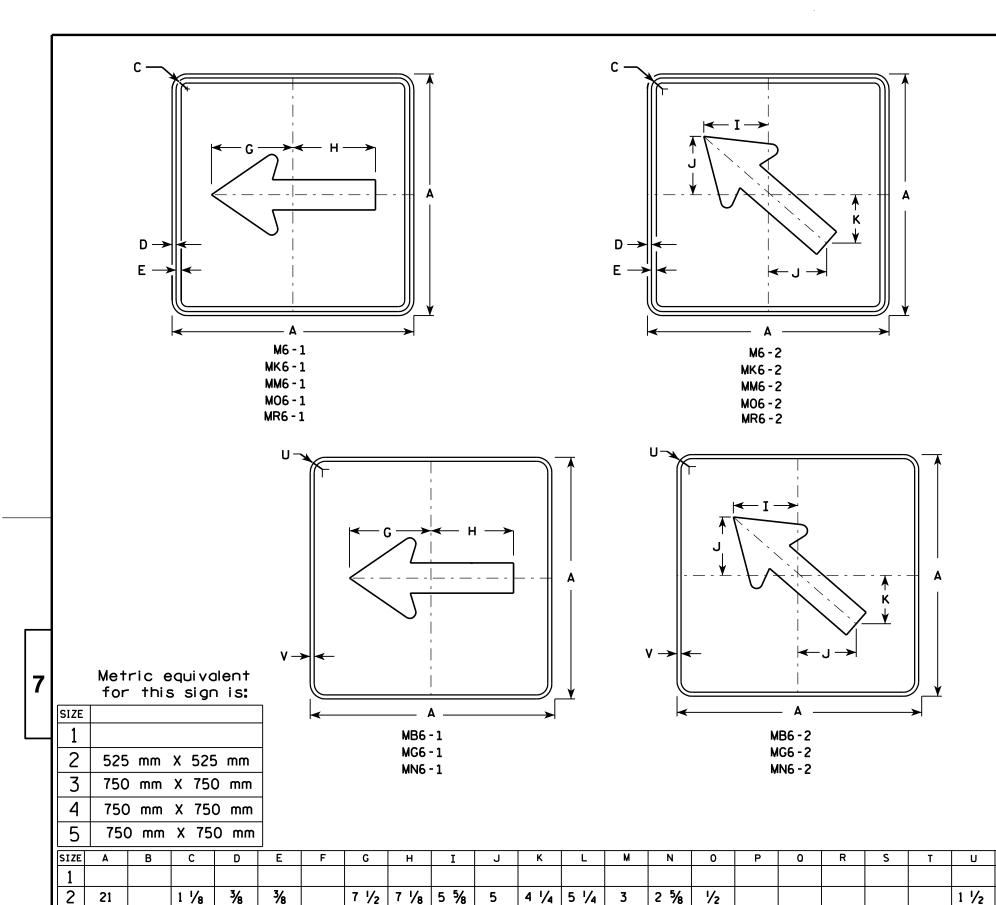
PROJECT NO:

PLOT NAME :



PLOT DATE: 16-MAR-2010 11:03 PLOT BY: dotsja PLOT NAME:

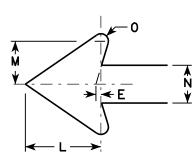
PLOT SCALE: 11.918087:1.000000



- 1. Signs are Type II See Note 4 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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 Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
 - MB6-1 and MB6-2 Background Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
 - MG6-1 and MG6-2 Background Green Message - White - Type H Reflective
 - MK6-1 and MK6-2 Background Green Message - White - Type H Reflective
 - MM6-1 and MM6-2 Background White Type H Reflective Message - Green
 - MN6-1 and MN6-2 Background Brown Message - White - Type H Reflective
- M06-1 and M06-2 Background Orange Reflective Message - Black
- MR6-1 and MR6-2 Background Brown Message - Yellow - Type H Reflective



PLOT NAME :

STANDARD	SIGN
M6-1 & N	16-2
SERIE	ES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 f_{or} State Traffic Engineer DATE 3/16/10 PLATE NO. M6-1.12

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M61.DGN

1 3/8

1 3/8

1 3/8

1/2

1/2

1/2

5/8

5/8

10 3/4 10 1/4 8

10 3/4 10 1/4 8

10 3/4 10 1/4 8

HWY:

7 1/4

7 1/4

7 1/4

6

6

7 1/2

7 1/2

4 1/4 3 3/4

4 1/4 3 3/4

COUNTY:

7 1/2 4 1/4 3 3/4

3

4

5

30

30

30

PROJECT NO:

PLOT DATE: 16-MAR-2010 09:58

3/4

3/4

PLOT BY: dotsja

1/2

1/2

1/2

1 1/8

1 %

1 %

0.28

0.56

0.56

Area Area sq. ft. m2

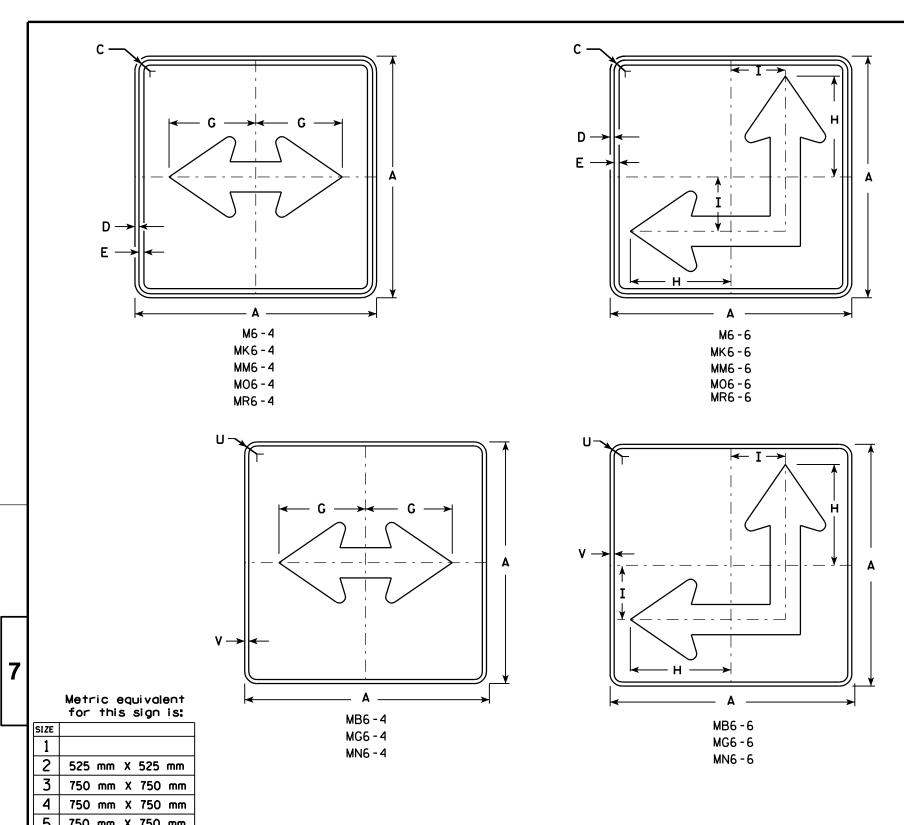
6.25 0.56

3.06

6.25

6.25

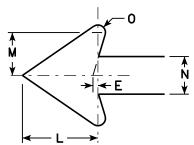
PLOT SCALE: 11.918087:1.000000



- 1. Signs are Type II See Note 4 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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. M6-4 and M6-6 Background White Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
 - MB6-4 and MB6-6 Background Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
 - MG6-6 Background Green MG6-4 and Message - White - Type H Reflective
 - MK6-4 and MK6-6 Background Green
 - Message White Type H Reflective MM6-4 and MM6-6 Background - White - Type H Reflective
 - Message Green MN6-4 and MN6-6 Background - Brown
 - Message White Type H Reflective
 - M06-4 and M06-6 Background Orange Reflective Message - Black
 - MR6-4 and MR6-6 Background Brown
- Message Yellow Type H Reflective 5. M6-6R same as M6-6L except arrow points ahead and right.



5	750 1	nm x	750 mm																									
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 %	1/2						1 1/2	1/2					3.06	0.28
3	30		1 3/8	1/2	5/8		10 ¾	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25	0.56
4	30		1 3/8	1/2	5/8		10 ¾	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25	0.56
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25	0.56
PRO	JECT	NO:					Н	WY:					COU	NTY:														

STANDARD SIGN M6-4 & M6-6**SERIES**

WISCONSIN DEPT OF TRANSPORTATION

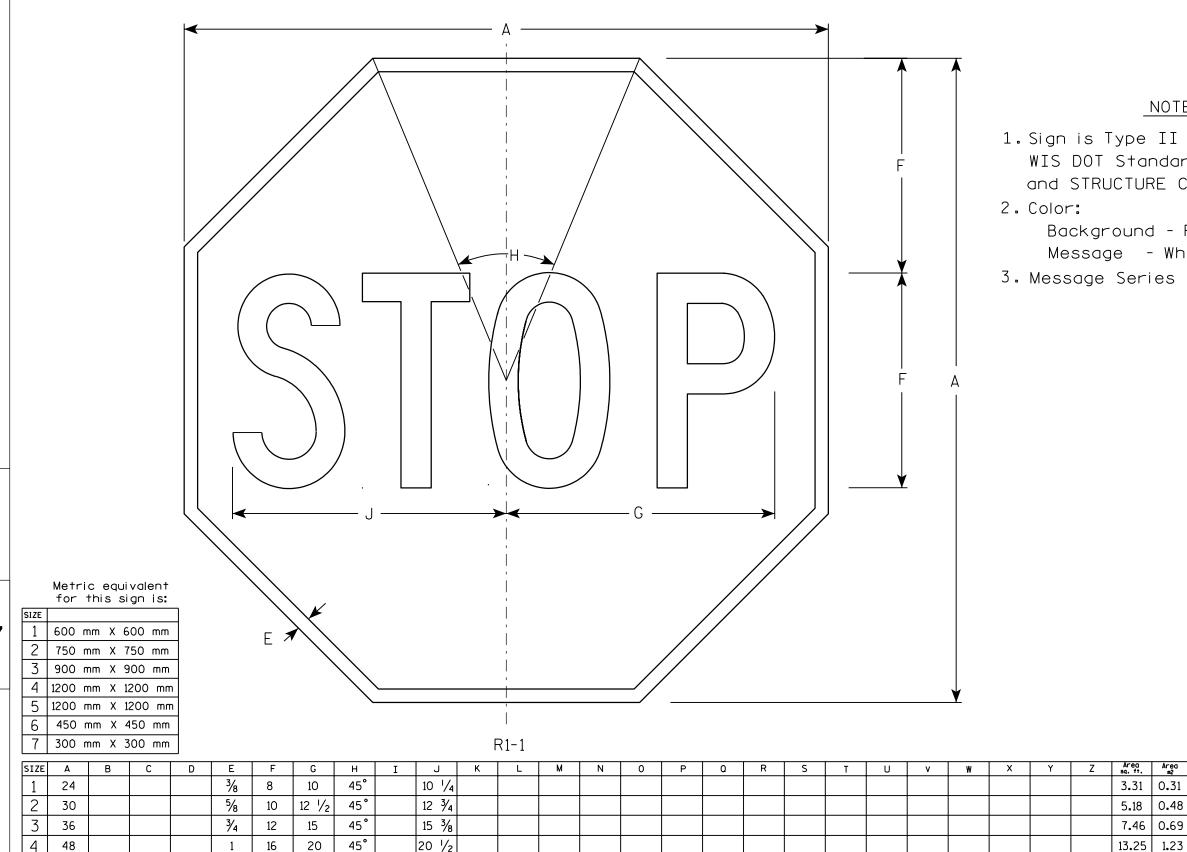
APPROVED

PLATE NO. M6-4.7 DATE 3/16/10

SHEET NO:

PLOT BY: dotsja





COUNTY:

NOTES

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

Background - Red Message - White

3. Message Series - C

STANDARD SIGN

R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

13.25 1.23

1.86 0.17

0.78 0.07

PLOT NAME :

for State Traffic Engineer

DATE 10/15/98

PLATE NO. R1-1.11

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\R11.DGN

45°

45°

45°

HWY:

20 1/2

7 3/4

5 1/8

16

6

4

3/8

1/4

20

7 3/4

5

5

6

7

48

18

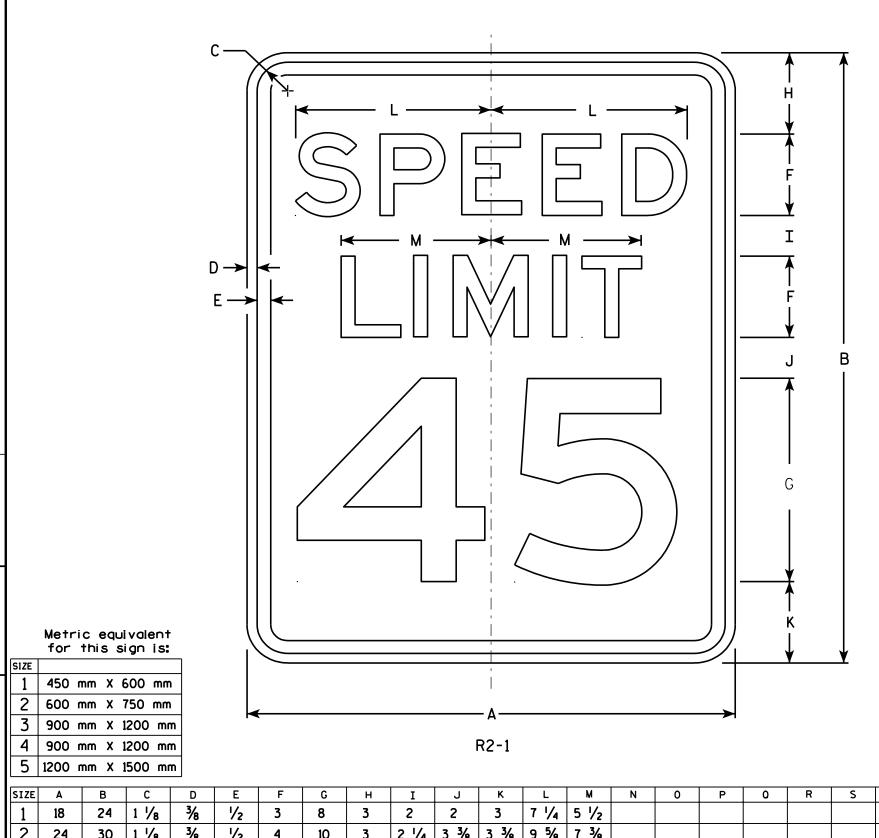
12

PROJECT NO:

PLOT DATE: 03-OCT-2005 14:15

PLOT BY : DITJPH

PLOT SCALE: 4.470624:1.000000



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 - 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.

T U X Z 3.0 .28 2 1/4 3 3/8 3 3/8 9 5/8 7 3/8 3/8 24 30 1 1/8 1/2 10 .46 5.0 3 1 3/8 14 3/8 11 5/8 36 1/2 5 48 6 14 6 12.0 1.11 1 3/8 5/8 14 3/8 36 1/2 11 48 6 14 12.0 1.11 5 4 1/2 6 3/4 6 3/4 19 1/4 14 5/8 48 60 2 1/4 3/4 20 6 20.0 1.86

COUNTY:

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R

For State Traffic Engineer

DATE 7/05/05 PLATE NO. R2-1.12

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\R21.DGN

PROJECT NO:

PLOT DATE: 12-AUG-2005 15:50

PLOT BY : DOTSJA

PLOT NAME :

PLOT SCALE: 4.718993:1.000000

ALE: 4.718993:1.000000 WISDOT/CAD

5 1/2 | 8 1/2

HWY:

45°

6

6 %

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 - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. Alternate colors of stripes as shown.

Area sq. ft. 0.27 6.75 0.61

Z

3.0

W5-52L & W5-52R WISCONSIN DEPT OF TRANSPORTATION

STANDARD SIGN

DATE 8/13/97

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\W552.DGN

3

4

18

PROJECT NO:

54

PLOT DATE: 05-0CT-2005 14:12

PLOT BY : DITJPH

W

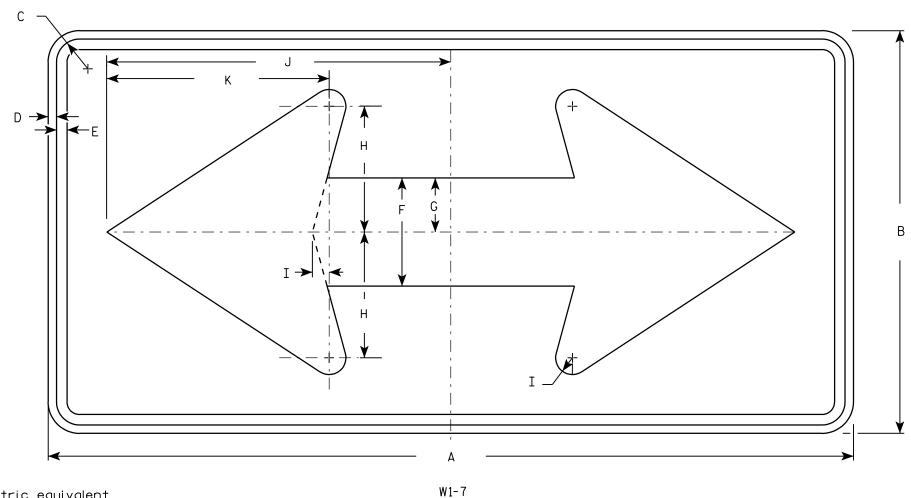
PLOT NAME :

PLOT SCALE: 4.967363:1.000000

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

Background - Yellow Message - Black

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



Metric equivalent for this sign is:

900 mm X 450 mm 1200 mm X 600 mm 3 1500 mm x 750 mm 4 1500 mm x 750 mm 5 2400 mm X 1200 mm

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	Н	I	J K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 % 10 1/8																4 . 5	0.41
2	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2 13 1/4																8.0	0.72
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8 16 1/4																12.5	1.13
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8 16 1/4																12.5	1.13
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41 26 1/2																32.0	2.88

COUNTY:

STANDARD SIGN W1 - 7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED DATE 8/20/97

PLATE NO. W1-7.6

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\W17.DGN

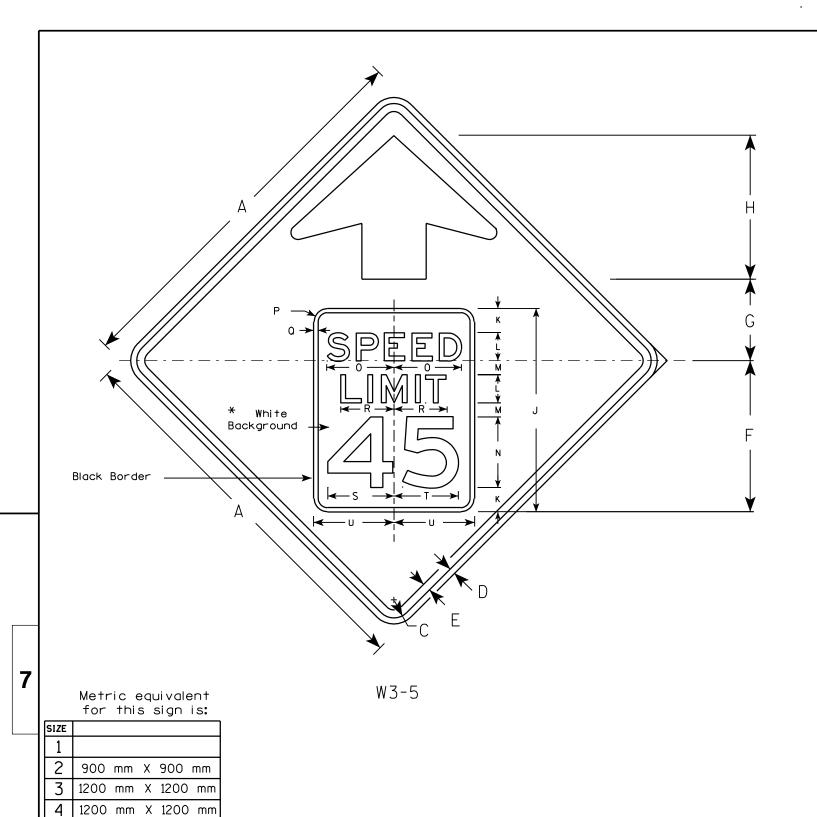
HWY:

PLOT DATE: 05-OCT-2005 11:43

PLOT BY : DITJPH

PLOT NAME :

PLOT SCALE : 5.722397:1.000000

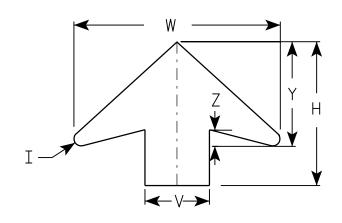


- 1. All Signs Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color: *

 Background YELLOW*

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

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	Α	В	С	D	Ε	F	G	H	I	7	K	L	M	Z	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areo sq. ii.	Areo
1																												
2	36		1 %	5/8	3/4	14 1/8	7 1/2	13 ½	5/8	19	2 1/4	2 %	1 3/8	6 1/2	6 1/4	1 1/2	3//8	4 1/8	6 1/4	6	7 1/2	6	19 1/4		9 3/4	1 %	9.0	0.81
3	36		1 %	5/8	3/4	14 1/8	7 1/2	13 ½	5/8	19	2 1/4	2 %	1 3/8	6 1/2	6 1/4	1 1/2	3/8	4 1/8	6 1/4	6	7 1/2	6	19 1/4		9 3/4	1 %	9.0	0.81
4	48		2 1/4	3/4	1	18 ¾	10 1/8	17 1/8	7∕8	25 1/4	3	3 1/2	1 3/4	8 3/4	8	1 %	1/2	6 %	8 1/4	8	10	8	25 %		13	2	16.0	1.44
5	48		2 1/4	3/4	1	18 ¾	10 1/8	17 1/8	7∕8	25 1/4	3	3 ½	1 3/4	8 3/4	8	1 %	1/2	6 %	8 1/4	8	10	8	25 %		13	2	16.0	1.44

STANDARD SIGN
W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

APPROVED

APPROVED

For State Traffic Engineer

DATE 2/18/04 PLATE NO. W3-5.1

SHEET NO: E

FILE NAME : D:\Users\Projects\tr_stdplote\#35.DGN

PROJECT NO:

1200 mm X 1200 mm

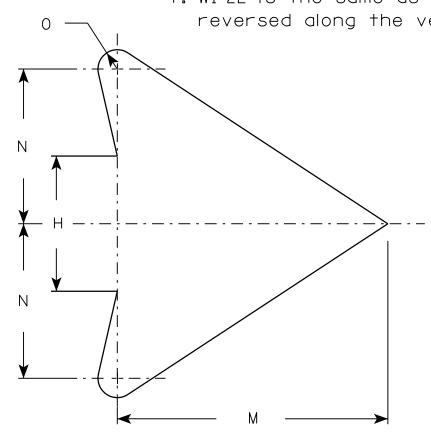
PLOT DATE : 31-WAR-2004 13:45

PLOT BY : DOTSJA

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

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



7	
	Metric equivalent
	for this sign is:

PROJECT NO:

SIZE					
1	600	mm	Χ	600	mm
2	750	mm	Χ	750	mm
3	900	mm	Х	900	mm
4	900	mm	Х	900	mm
5	1200	mm	Χ	1200	mm

W1-2R

HWY:

← н →

ARROW DETAIL

PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	24		1 1/8	3/8	1/2		8 1/4	3 ½	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0	0.36
2	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 %	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25	0.56
3	36		1 %	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 ½	6	3/4												9.0	0.81
4	36		1 %	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 ½	6	3/4												9.0	0.81
5	48		2 1/4	3/4	1		16 1/2	7	9	3 ½	4 %	14 1/2	14	8	1												16.0	1.44

COUNTY:

STANDARD SIGN W1 - 2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

SHEET NO:

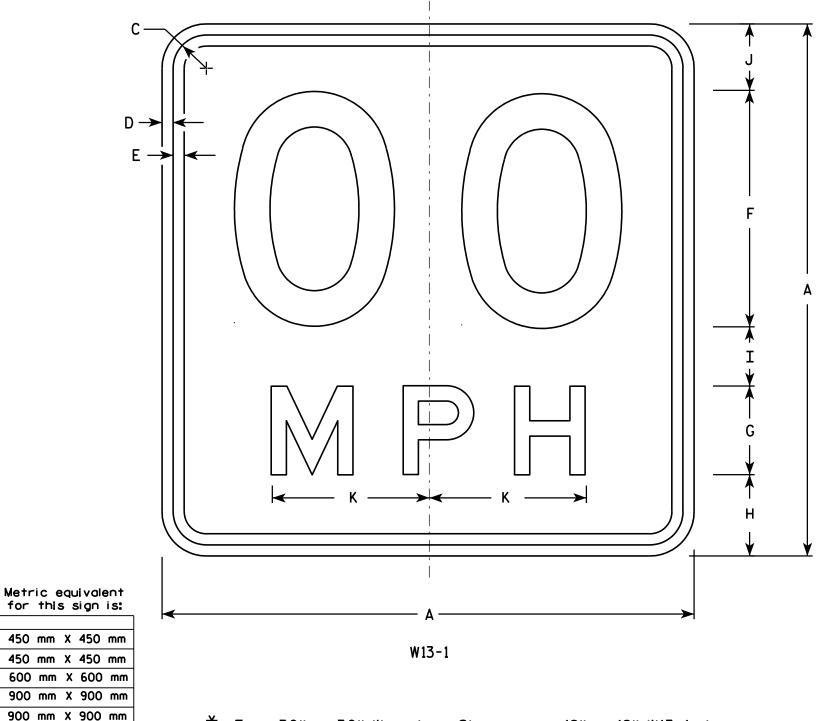
PLOT DATE: 05-OCT-2005 11:31

PLOT SCALE : 6.209203:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\Projects\tr_stdplate\W12.DGN

PLOT BY : DITJPH



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

Background - Yellow Message - Black

- 3. Message Series See Note 6
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
- 6. Line 1 is Series D Line 2 is Series E

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

HWY:

SIZE	Α	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.	Area m2
1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25	0.20
2*	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25	0.20
2*	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 %																4.00	0.36
3	24		1 1/8	3∕8	1/2	10	4	4	2 3/4	3 1/4	6 %																4.00	0.36
4	36		1 %	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00	0.81
5	36		1 %	5/8	₹4	16	6	5 1/2	4	4 1/2	10 %																9.00	0.81

COUNTY:

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

1 avviles 1

For State Traffic Engineer

DATE 4/05/06 PLATE NO. W13-1.14

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\W131.DGN

PROJECT NO:

PLOT DATE: 05-APR-2006 10:26

PLOT NAME :

PLOT BY : DITJPH

PLOT SCALE: 3.247970:1.000000

APPROVED



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

Background - Yellow 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.

Metric equivalent

750 mm X 750 mm 3 4 900 mm x 900 mm 5 1200 mm x 1200 mm

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	Areg sq. ft.	Area m2
1	24		1 1/8	3/8	3/8	5	4		8 3/4																		4.0	0.36
2	30		1 3/8	1/2	5/8	6	5		11																		6.25	0.56
3																												
4	36		1 5/8	5/8	3/4	7 1/4	6		13 1/4																		9.0	0.81
5	48		2 1/4	₹4	1	9 3/4	8		17 1/2																		16.0	1.44

COUNTY:

W7-1

STANDARD SIGN W7-1

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED For State Traffic Engineer

DATE 4/7/08

PLATE NO. W7-1.11

FILE NAME : C:\Users\Projects\tr_stdplate\W71.DGN

HWY:

PLOT DATE: 07-APR-2008 13:57

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 6.995631:1.000000

WISDOT/CADDS SHEET 42

600 mm X 600 mm

PROJECT NO:

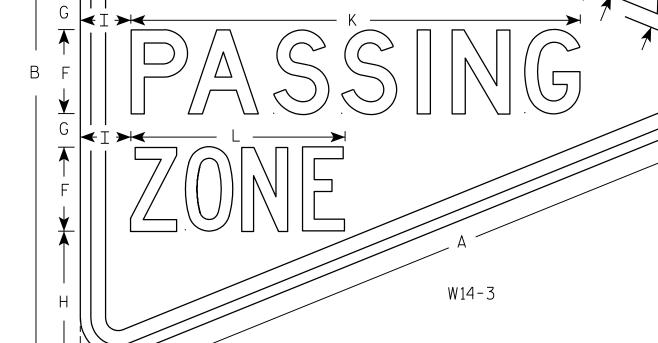
for this sign is:



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

Background - Yellow Message - Black

- 3. Message Series See note 5
- 4. Corners and borders shall be rounded on all base materials for this sign.
- 5. Lines 1 and 2 are Series D. Line 3 is series C.



Metric equivalent for this sign is:

١	DIZE					
	1					
	2	1200	mm	Χ	900	mm
	3	1600	mm	Χ	1200	mm
	4					
	5					

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1																												
2	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 ¾	12 3/4															6.0	.54
3	64	48	3	3/4	1 1/4	6	3	12	4	10 ¾	33 %	16 1/2															10.7	. 96
4																												
5	·																											

STANDARD SIGN W14 - 3

WISCONSIN DEPT OF TRANSPORTATION

DATE 1/21/98

APPROVED

SHEET NO:

HWY:

COUNTY:

PLOT DATE: 06-0CT-2005 14:21

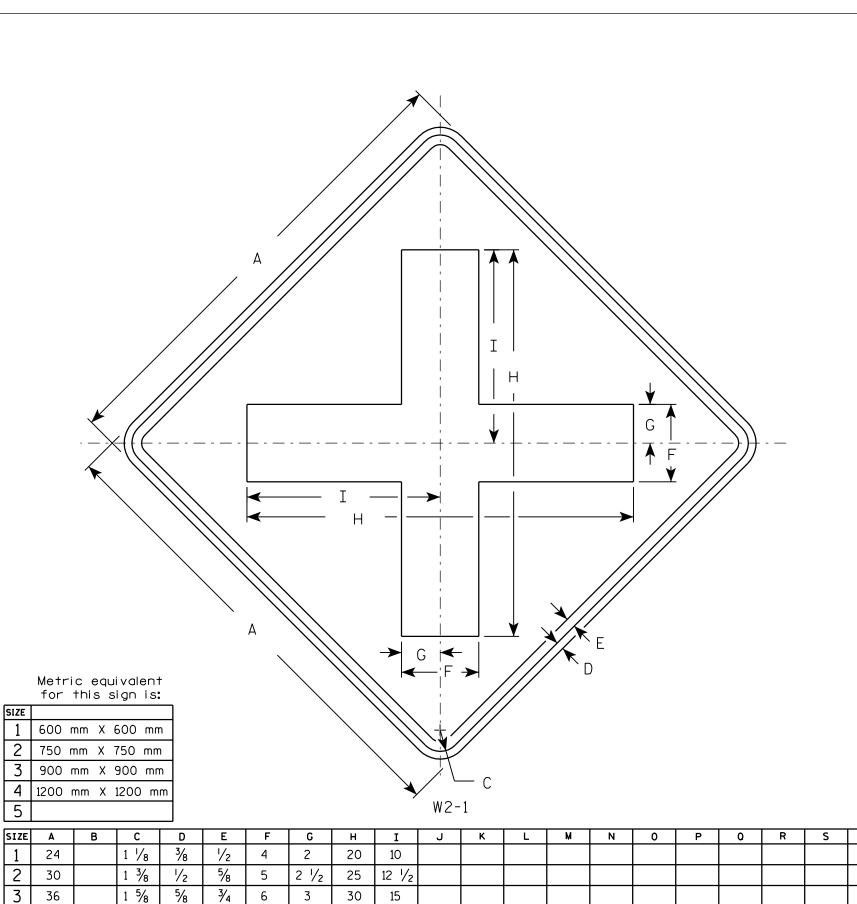
PLOT BY : DITJPH

PLOT NAME :

PLOT SCALE : 5.712464:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\Projects\tr_stdplate\W143.DGN



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

Background - Yellow Message - Black

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

> 0.36 0.56 0.81 16.0 | 1.44

4.0

6.25

9.0

STANDARD SIGN W2-1

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO: COUNTY:

FILE NAME : C:\Users\Projects\tr_stdplate\W21.DGN

2 1/4

3/4

40

HWY:

20

4

5

48

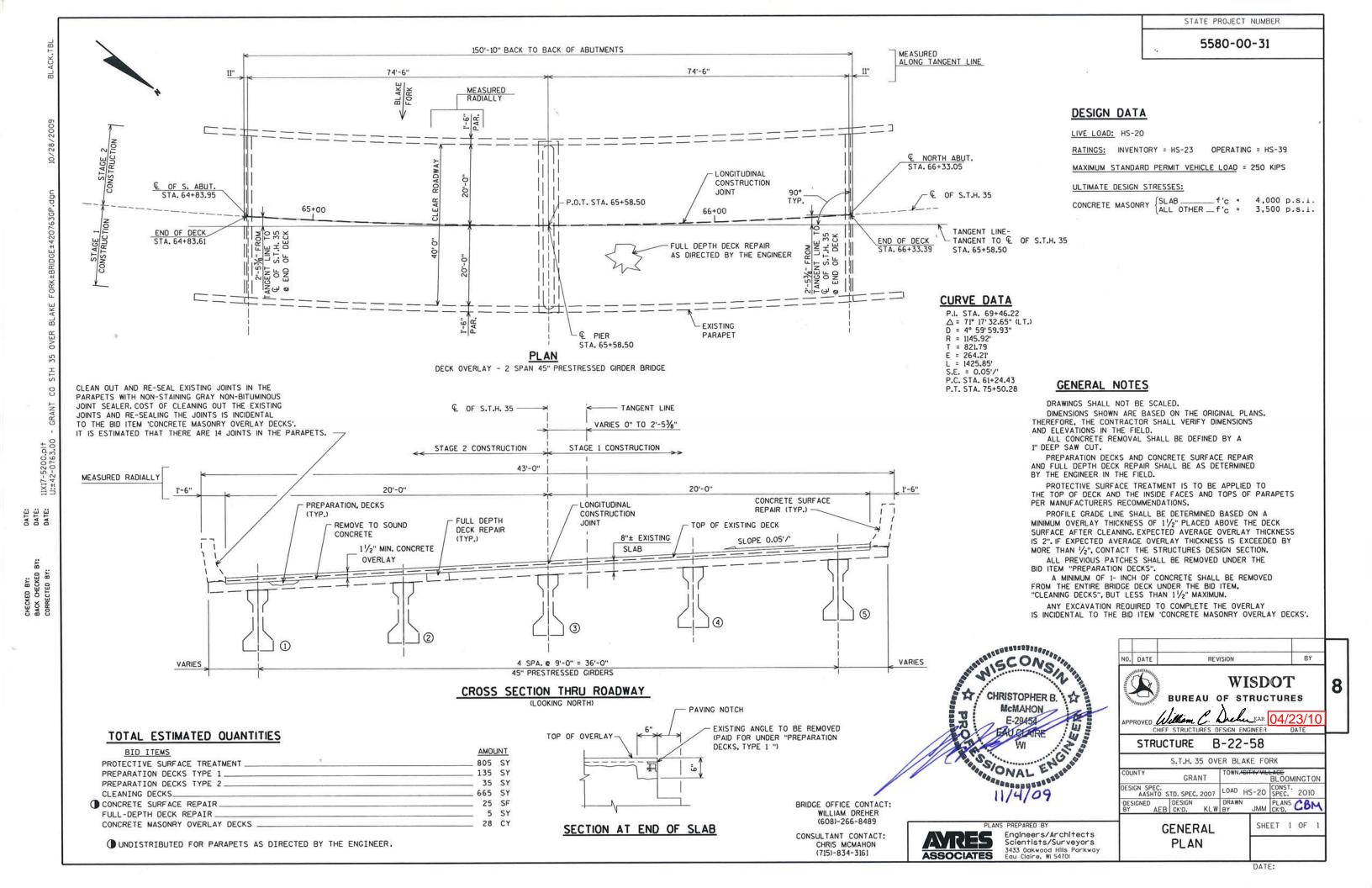
PROJECT NO:

PLOT DATE: 05-0CT-2005 11:51

PLOT BY : DITJPH

PLOT NAME :

PLOT SCALE : 6.209203:1.000000





Wisconsin Department of Transportation

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