

GENERAL NOTES

- 1. NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.
- DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE SALVAGED TOPSOILED, FERTILIZED, SEEDED, AND MULCHED OR SODDED AS DIRECTED BY THE ENGINEER.
- 3. MATCH EXISTING DRIVEWAYS WITH IN-KIND MATERIALS.
- 4. PAVING LIMITS ARE TO BE DETERMINED BY THE ENGINEER.
- TACK COAT SHALL BE REQUIRED BETWEEN THE MILLED PAVEMENT AND ASPHALTIC SURFACE.
- 6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- 7. HMA PAVEMENT TO BE PLACED IN LIFTS AS FOLLOWS: 3 1/4-INCH THICKNESS: 1.75", 12.5MM UPPER, 1.5", 9.5MM LOWER 6 INCH THICKNESS: 2", 12.5MM UPPER, INTERMEDIATE, AND LOWER LIFTS. ASPHALT SURFACE WEIGHT CALCULATIONS ARE BASED ON 115 LB/SY/IN.
- 8. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN
 TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT ASPHALTIC SURFACE
 LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING
 OR PARKING LANE.
- 9. WHEN THE QUANTITY OF BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.
- 10. RIGHT OF WAY DEPICTED ON THE PLANS ARE BASED OFF OF PREVIOUS AS BUILTS. IF CONFLICTS ARE ANTICIPATE, THE CONTRACTOR SHALL FIELD VERIFY EXACT LIMITS AND NOTIFY THE ENGINEER.

RUNOFF COEFFICIENT TABLE

						HYDROLOGIC S	SOIL GROL	JP				
		Α			В			C	;		D	
	SLOPE	RANGE	(PERCENT)	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIP-	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
TURF	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPE-			.25			.27			.28			.30
TURF			.32	.34			.36		.3		.38	
PAVEMENT:												
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS				·		.7585				·		
R00FS						.7595						
GRAVEL ROADS,	SHOULDE	RS				.4060						

TOTAL PROJECT AREA = 33.6 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 15.5 ACRES



UTILITY CONTACTS

RICK SUDA

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DAVE FLYNN

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CC: DAWN.SCHULTZ@XCELENGERY.COM

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10 COLLEGE AVE, SUITE 218A

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AREA CONTACTS

WISDOT PROJECT MANAGER

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CHAD SCHROEDER

831 CRITTER COURT, SUITE 400

ONALASKA, WI 54650

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WISDNR: CLARK COUNTY

CHRIS WILLGER

1300 W. CLAIREMONT ST. EAU CLAIRE, WI 54702

PHONE: (715) 839-1609

CHRISTOPHERJ.WILLGER@WISCONSIN.GOV

PROJECT NO:1520-07-82

HWY:STH 73

COUNTY: CLARK

PLOT DATE : 4/18/2017 7:33 AM

PLAN: GEN NOTES, STAND ABBR, & CONTACTS

PLOT BY : DWORAK, ALEX

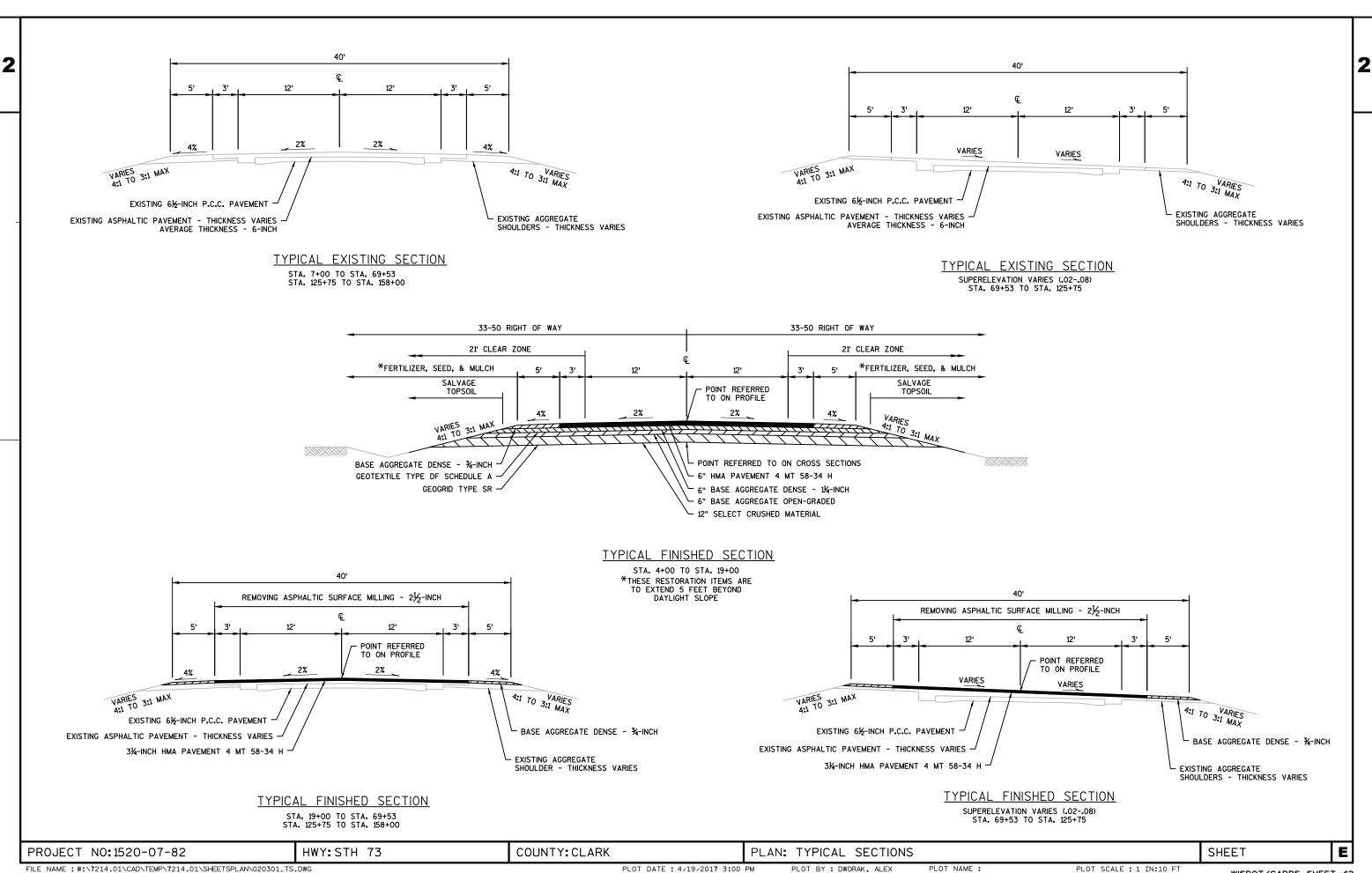
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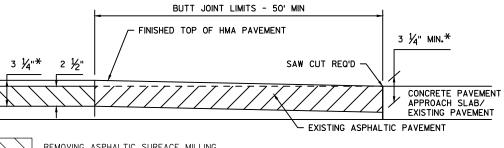
PLOT SCALE : 1 IN:10 FT

SHEET

WISDOT/CADDS SHEET 42

Ε

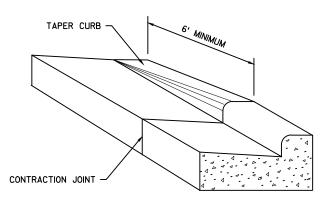




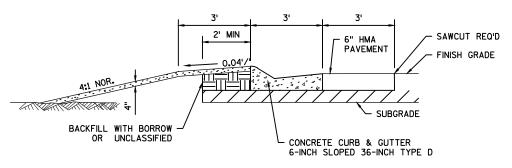
REMOVING ASPHALTIC SURFACE MILLING

REMOVING ASPHALTIC SURFACE BUTT JOINT

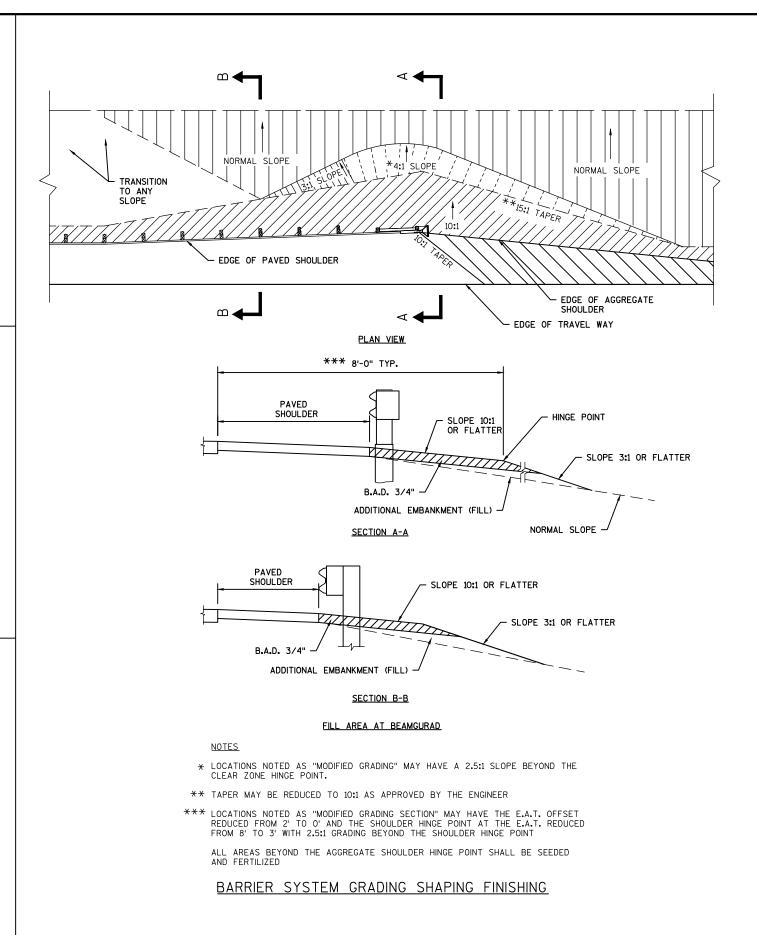
BUTT JOINT DETAIL AT STRUCTURES AND PROJECT LIMITS *PROPOSED TOTAL HMA OVERLAY THICKNESS



DETAIL OF CURB & GUTTER TERMINI



CURB & GUTTER REMOVAL AND REPLACE DETAIL



PROJECT NO:1520-07-82 HWY: STH 73 FILE NAME : W:\7214.01\CAD\TEMP\7214.01\SHEETSPLAN\021001_CD.DWG

PLOT DATE: 4/17/2017 1:59 PM

PLOT BY : DWORAK, ALEX

CONSTRUCTION DETAILS

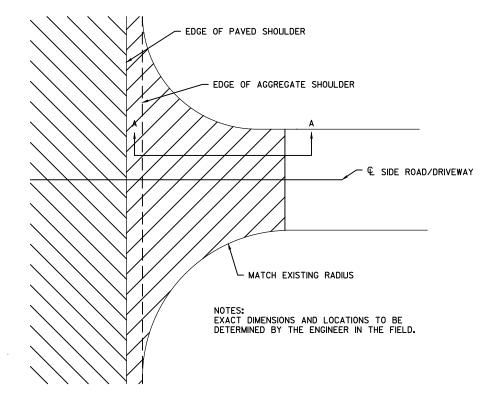
SHEET PLOT SCALE : 1" = 1'

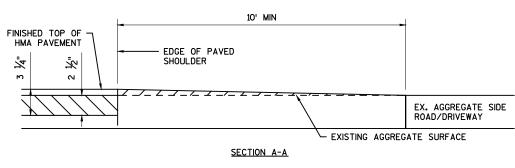
WISDOT/CADDS SHEET 42

Ε

COUNTY: CLARK



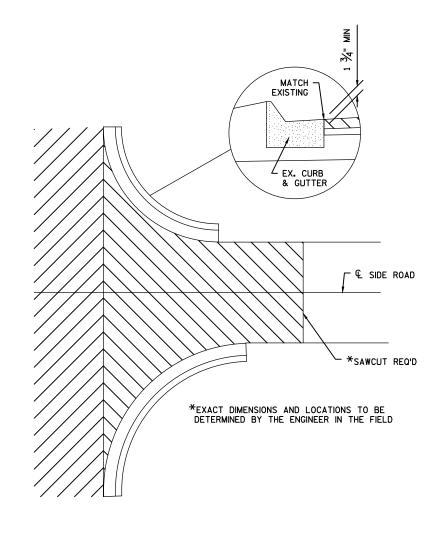




REMOVING ASPHALTIC SURFACE MILLING

BASE AGGREGATE DENSE, 3/4-INCH

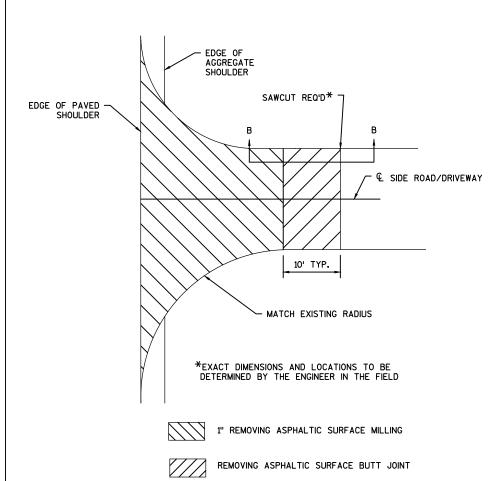
RURAL AGGREGATE SURFACE SIDE ROAD/DRIVEWAY DETAILS

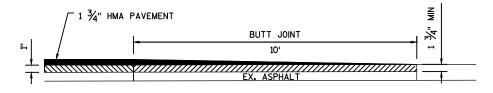


3" REMOVING ASPHALTIC SURFACE/MILLING

2" REMOVING ASPHALTIC SURFACE MILLING

RURAL ASPHALTIC SURFACE SIDE ROAD DETAILS SIDE ROAD WITH CURB AND GUTTER





SECTION B-B

RURAL ASPHALTIC SURFACE SIDE ROAD/DRIVEWAY DETAILS
SIDE ROAD WITHOUT CURB AND GUTTER

E PROJECT NO:1520-07-82 HWY:STH 73 COUNTY: CLARK CONSTRUCTION DETAILS SHEET

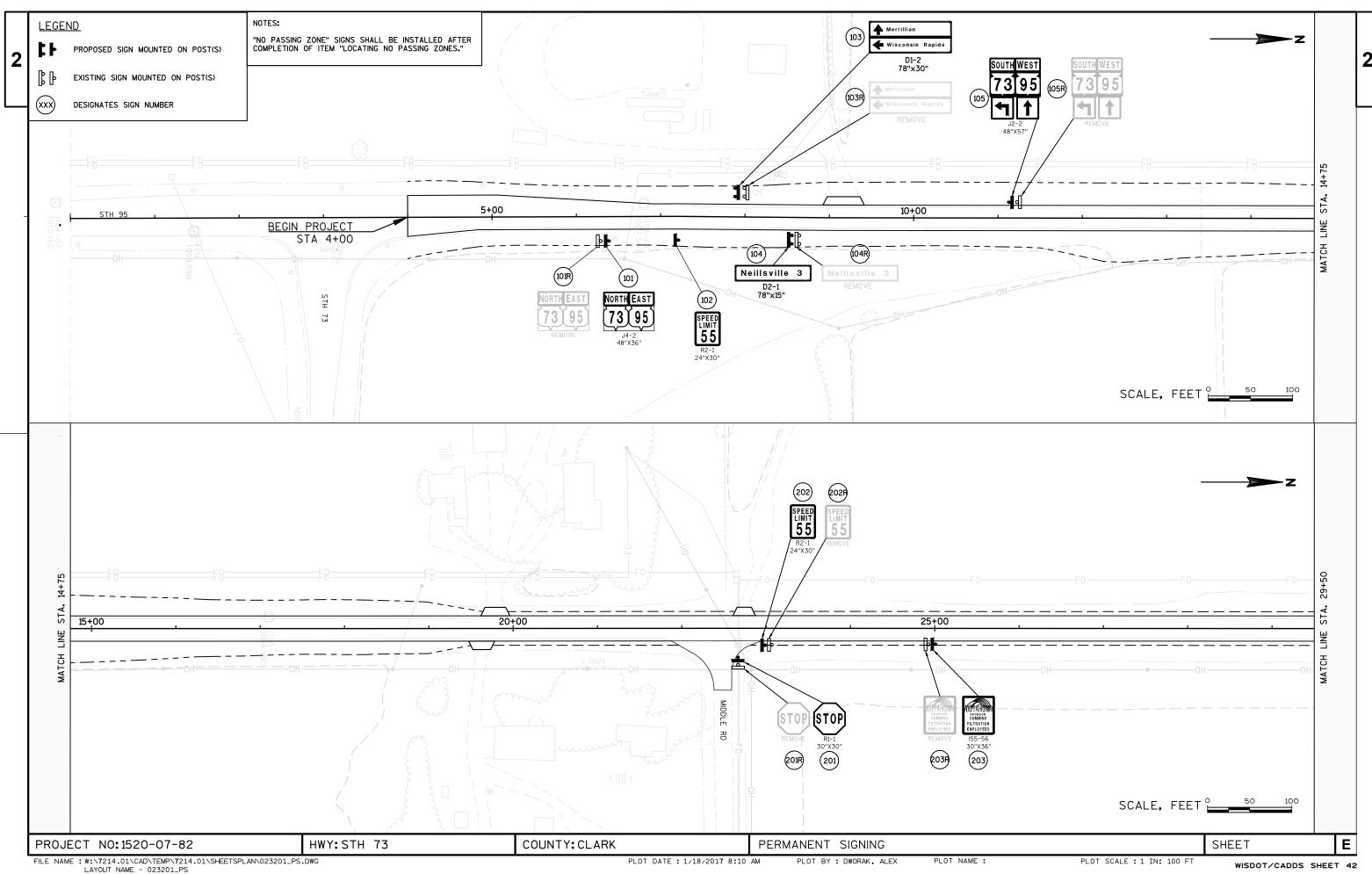
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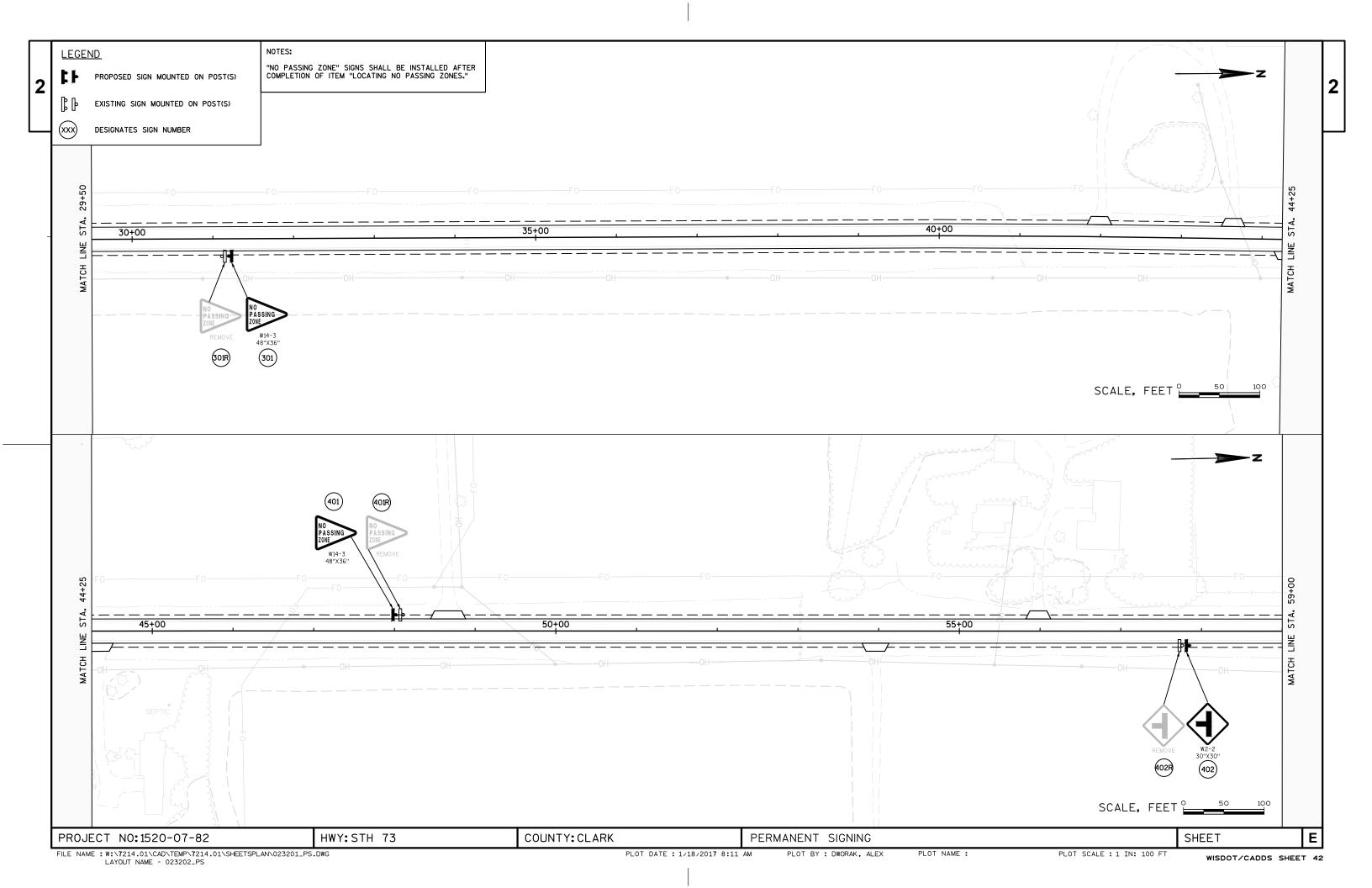
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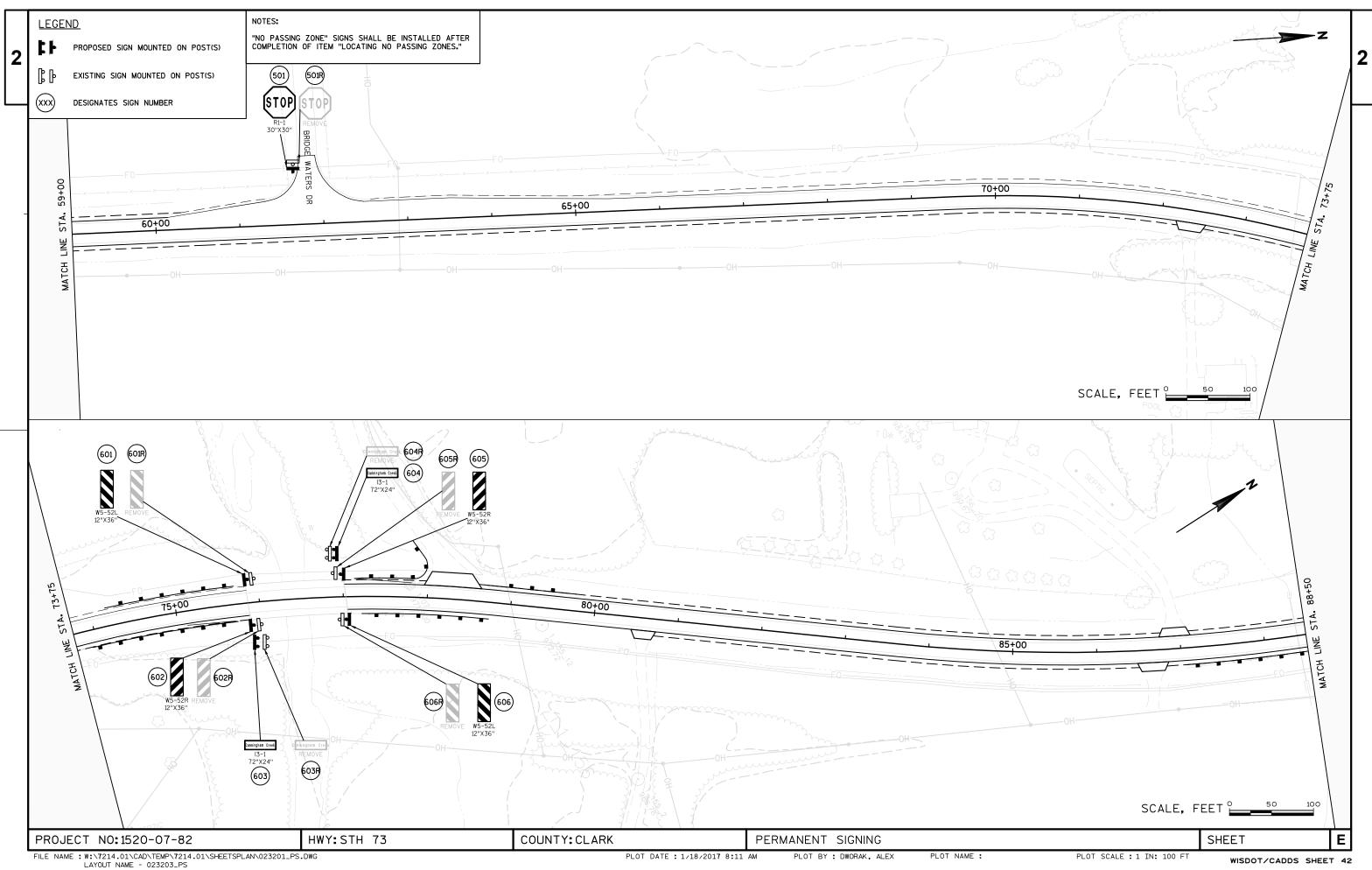
PLOT BY : DWORAK, ALEX

PLOT NAME :

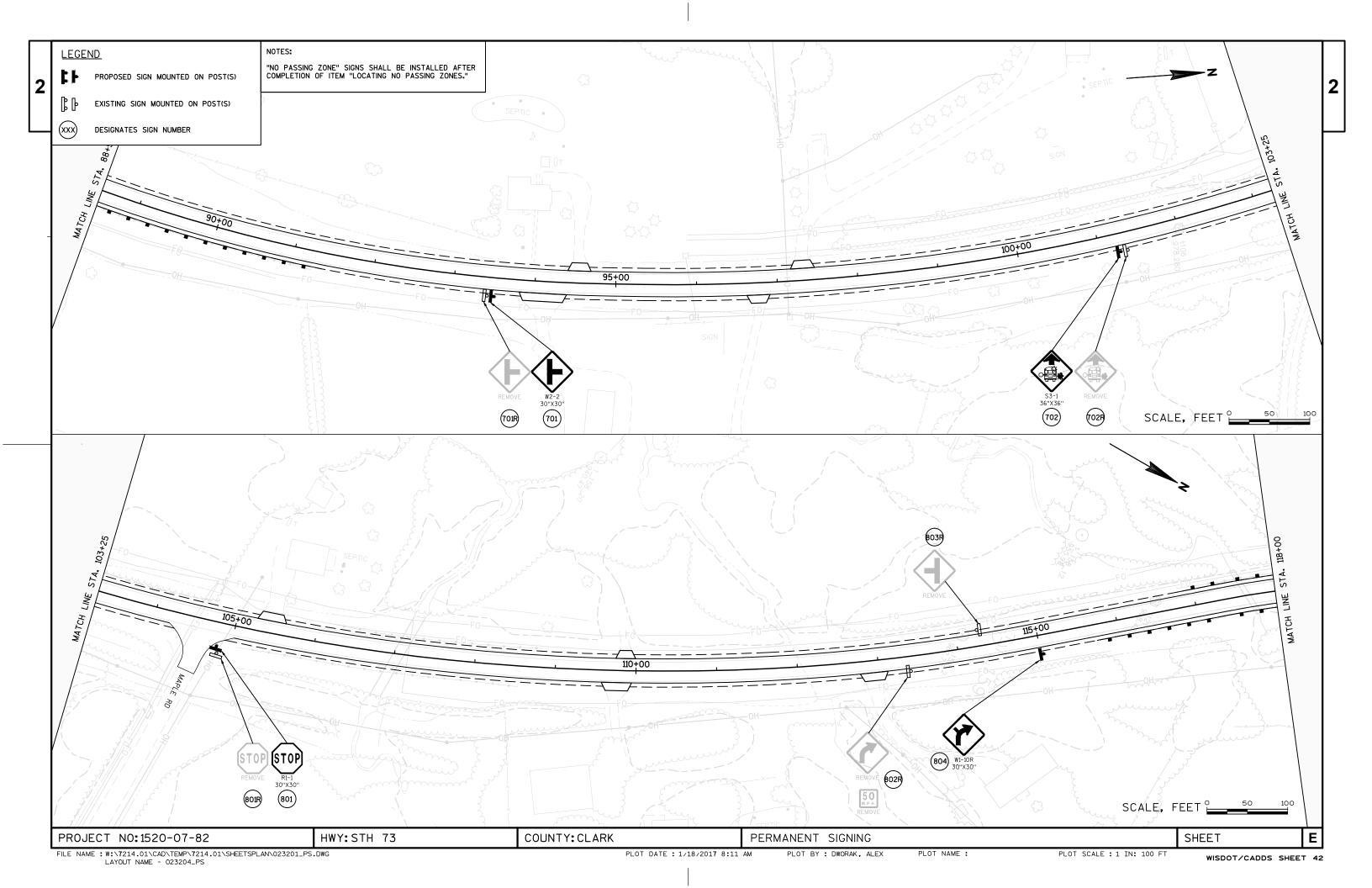
PLOT SCALE : 1" = 1'

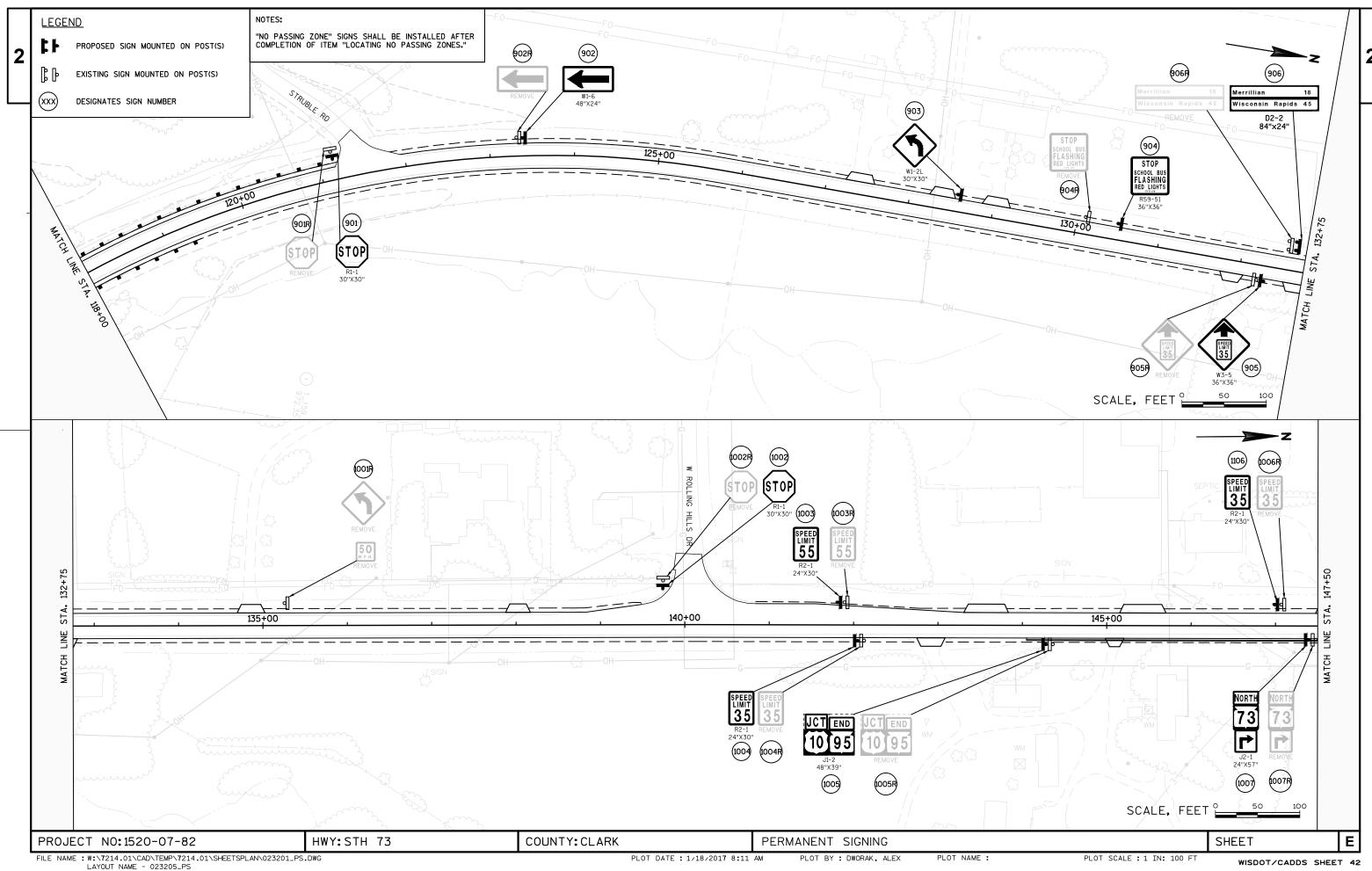






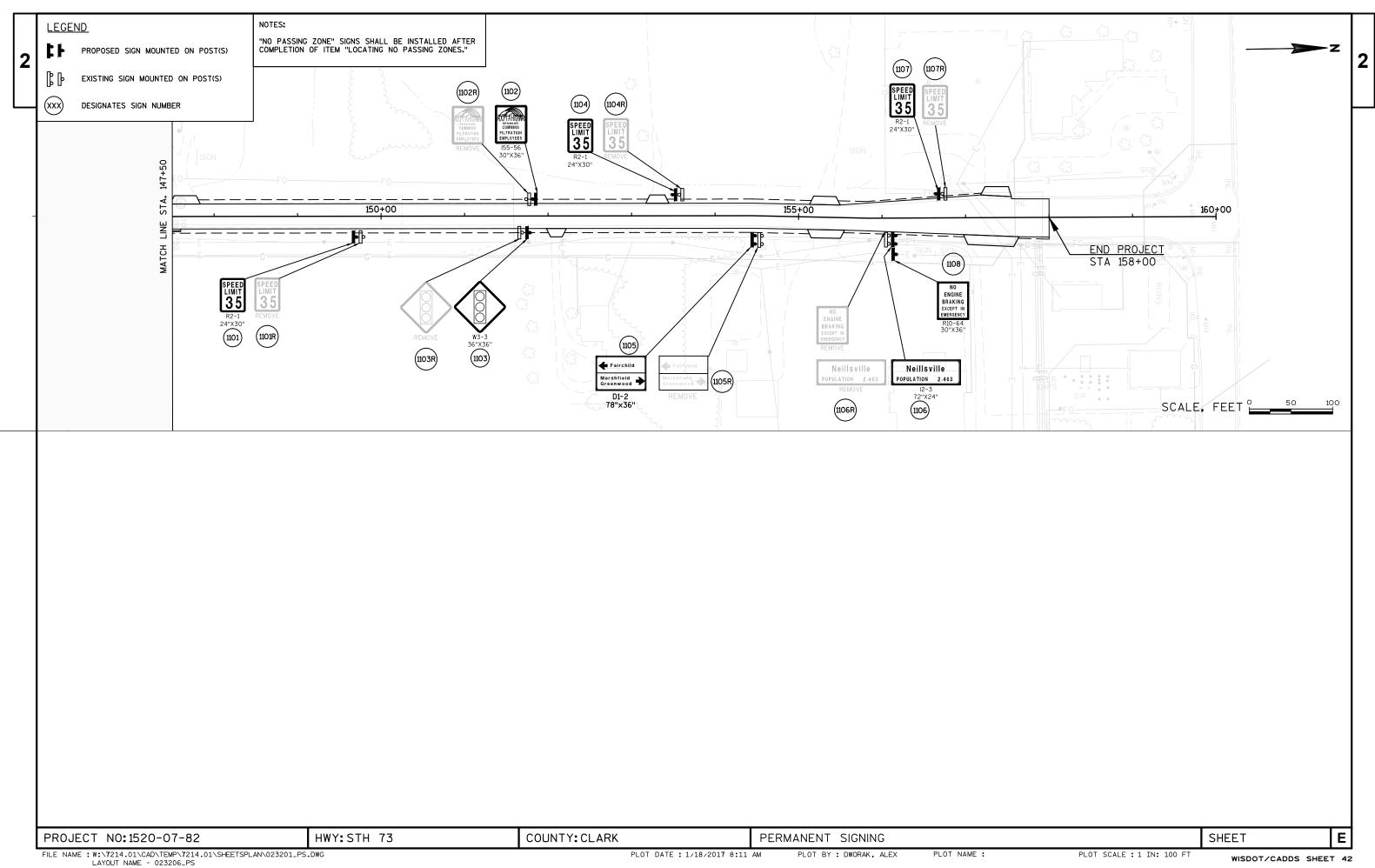
PLOT SCALE : 1 IN: 100 FT





PLOT DATE : 1/18/2017 8:11 AM

PLOT SCALE : 1 IN: 100 FT



					1520-07-82
Line	Item	Item Description	Unit	Total	Qty
0010	204.0100	Removing Pavement	SY	122.000	122.000
0020	204.0100	Removing Asphaltic Surface	SY	5,468.000	5,468.000
0020	204.0110	Removing Asphaltic Surface Butt Joints	SY	759.000	759.000
0030	204.0115	Removing Asphaltic Surface Milling	SY	47,697.000	47,697.000
		• •	LF		,
0050	204.0150	Removing Curb & Gutter	EACH	355.000 14.000	355.000
0060	204.0180	Removing Delineators and Markers			14.000
0070	205.0100	Excavation Common	CY	7,565.000	7,565.000
0800	213.0100	Finishing Roadway (project) .01 1570-07-82	EACH	1.000	1.000
0090	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,250.000	3,250.000
0100	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	2,800.000	2,800.000
0110	305.0500	Shaping Shoulders	STA	273.000	273.000
0120	310.0110	Base Aggregate Open-Graded	TON	3,033.000	3,033.000
0130	312.0110	Select Crushed Material	TON	7,117.000	7,117.000
0140	440.4410	Incentive IRI Ride	DOL	32,000.000	32,000.000
0150	450.4000	HMA Cold Weather Paving	TON	13,070.000	13,070.000
0160	455.0605	Tack Coat	GAL	4,005.000	4,005.000
0170	460.2000	Incentive Density HMA Pavement	DOL	8,370.000	8,370.000
0180	460.6444	HMA Pavement 4 MT 58-34 H	TON	13,070.000	13,070.000
0190	465.0110	Asphaltic Surface Patching	TON	50.000	50.000
0200	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	40.000	40.000
0210	465.0475	Asphalt Center Line Rumble Strips 2-Lane Rural	LF	12,951.000	12,951.000
0220	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	355.000	355.000
0220	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	3,750.000	3,750.000
0230	614.0010	Barrier System Grading Shaping Finishing	EACH	12.000	12.000
0250	614.0200	Steel Thrie Beam Structure Approach	LF	20.650	20.650
0260	614.0305	Steel Plate Beam Guard Class A	LF	100.000	100.000
0270	614.0345	Steel Plate Beam Guard Short Radius	LF	35.300	35.300
0280	614.0390	Steel Plate Beam Guard Short Radius Terminal	EACH	1.000	1.000
0290	614.0400	Adjusting Steel Plate Beam Guard	LF	625.000	625.000
0300	614.0920	Salvaged Rail	LF	1,148.000	1,148.000
0310	614.2300	MGS Guardrail 3	LF	1,125.000	1,125.000
0320	614.2500	MGS Thrie Beam Transition	LF	118.200	118.200
0330	614.2610	MGS Guardrail Terminal EAT	EACH	11.000	11.000
0340	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1520-07-82	EACH	1.000	1.000
0350	619.1000	Mobilization	EACH	1.000	1.000
0360	624.0100	Water	MGAL	60.000	60.000
0300	625.0500	Salvaged Topsoil	SY	2,658.000	2,658.000
0370	627.0200	Mulching	SY	2,658.000	2,658.000
		0			
0390	628.1504	Silt Fence	LF	1,100.000	1,100.000

1520-07-82

3

Line	Item	Item Description	Unit	Total	Qty
0400	628.1520	Silt Fence Maintenance	LF	1,100.000	1,100.000
0410	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0420	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0430	628.2002	Erosion Mat Class I Type A	SY	150.000	150.000
0440	628.7015	Inlet Protection Type C	EACH	3.000	3.000
0450	629.0210	Fertilizer Type B	CWT	2.000	2.000
0460	630.0140	Seeding Mixture No. 40	LB	50.000	50.000
0470	630.0200	Seeding Temporary	LB	75.000	75.000
0480	633.5200	Markers Culvert End	EACH	14.000	14.000
0490	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	36.000	36.000
0500	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	12.000	12.000
0510	637.2210	Signs Type II Reflective H	SF	254.280	254.280
0520	637.2230	Signs Type II Reflective F	SF	67.000	67.000
0530	638.2102	Moving Signs Type II	EACH	1.000	1.000
0540	638.2602	Removing Signs Type II	EACH	41.000	41.000
0550	638.3000	Removing Small Sign Supports	EACH	48.000	48.000
0560	642.5001	Field Office Type B 01. 1520-07-82	EACH	1.000	1.000
0570	643.0100	Traffic Control (project) 01. 1520-07-82	EACH	1.000	1.000
0580	643.0300	Traffic Control Drums	DAY	4,505.000	4,505.000
0590	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000
0600	643.0900	Traffic Control Signs	DAY	2,465.000	2,465.000
0610	645.0111	Geotextile Type DF Schedule A	SY	8,000.000	8,000.000
0610	645.0220	Geogrid Type SR	SY	10,167.000	
		• • • • • • • • • • • • • • • • • • • •			10,167.000
0630	646.0106	Pavement Marking Epoxy 4-Inch	LF	26,930.000	26,930.000
0640	646.0107.S	Pavement Marking Grooved Epoxy 4-Inch	LF	24,200.000	24,200.000
0650	646.0126	Pavement Marking Epoxy 8-Inch	LF	225.000	225.000
0660	646.0406	Pavement Marking Same Day Epoxy 4-Inch	LF	26,930.000	26,930.000
0670	648.0100	Locating No-Passing Zones	MI	2.920	2.920
0680	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	52,120.000	52,120.000
0690	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	355.000	355.000
0700	650.8000	Construction Staking Resurfacing Reference 01. 1520-07-82	LF	15,286.000	15,286.000
0710	650.9910	Construction Staking Supplemental Control (project) 01. 1520-07-82	LS	1.000	1.000
0720	690.0150	Sawing Asphalt	LF	2,370.000	2,370.000
0730	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	600.000	600.000
0740	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	345.000	345.000
0750	SPV.0105	Special 01. Prepare Foundation for Asphaltic Paving Special	LS	1.000	1.000

PAVEMENT REMOVAL

PAVEMENT REMOVAL

STATION TO STATION	LOCATION	REMOVING PAVEMENT 204.0100 SY	REMOVING ASPHALTIC SURFACE 204.0110 SY	REMOVING ASPHALTIC SURFACE BUTT JOINTS 204.0115 SY	REMOVING ASPHALTIC SURFACE MILLING 204.0120 SY	REMARKS	STATION LOCATION	REMOVING DELINEATORS AND MARKERS 204.0180 EACH	MARKERS CULVERT END 633.5200 EACH
							13+41 LT & RT	2	2
4+00 - 19+00	MAINLINE	-	5,468	-	-	RECONSTRUCTION SECTION	40+89 LT & RT	2	2
19+00 - 75+86	MAINLINE	-	-	223	19,403		53+02 LT & RT	2	2
77+03 - 158+00	MAINLINE	-	-	478	27,650		112+06 LT & RT	2	2
144+00 - 147+65	RT SHOULDER	122	_	_	_	CURB & GUTTER		2	2
				2.2	200	COND & GOTTEN	117+65 LT & RT	2	2
61+83	BRIDGE WATER DR	-	-	23	299		131+75 LT & RT	2	2
140+06	ROLLING HILLS RD			35	345	_	150+25 LT & RT	2	2
	PROJECT TOTALS =	122	5,468	759	47,697		130123 E1 & K1		
	. Note: Totals -		3,100	. 33	,057		PROJECT TOTALS=	14	14

CURB & GUTTER

					CONCRETE CURB &	CONSTRUCTION STAKING
				REMOVING CURB	GUTTER 6-INCH SLOPED	CURB GUTTER AND CURB
				& GUTTER	36-INCH TYPE D	& GUTTER
				204.0150	601.0557	650.5500
STATION	то	STATION	LOCATION	LF	LF	LF
144+05	-	147+60	RT	355	355	355
		PROJECT	TOTALS =	355	355	355

RECONSTRUCT SUBGRADE MATERIAL

MARKER POSTS SUMMARY

				BASE AGGREGATE	BASE	SELECT	
				DENSE 1 1/4-	AGGREGATE	CRUSH	
				INCH	OPEN-GRADED	MATERIAL	WATER
				305.0120	310.0110	312.0110	624.0100
STATION	TO	STATION	LOCATION	TON	TON	TON	MGAL
4+00	-	19+00	MAINLINE	2800	3033	7117	60
		PROJECT	TOTALS =	2800	3033	7117	60

BASE AGGREGATE DENSE 3/4-INCH

				305.0110	
STATION	TO	STATION	LOCATION	TON	REMARKS
4+00	-	158+00	MAINLINE	3,200	SHOULDER
4+00	-	158+00	MAINLINE	30	DRIVEWAY
4+00	-	158+00	MAINLINE	20	SIDEROADS
		PRO	JECT TOTAL	3,250	

FINISHING ROADWAY (PROJECT) 01. 1520-07-82

				213.0100
STATION	TO	STATION	LOCATION	EACH
4+00	-	158+00	PROJECT	1
		PROJECT	TOTALS =	1

SHAPING SHOULDERS

				305.0500
STATION	то	STATION	LOCATION	STA
19+00	-	76+00	LT	57
77+00	-	158+00	LT	81
19+00	-	76+00	RT	57
77+00	-	144+00	RT	67
147+00	-	158+00	RT	11
			PROJECT TOTALS =	273

ALL ITEMS ARE CAT 0010 UNLESS NOTED OTHERWISE

OUS QUANTITIES SHEET E	COUNTY: CLARK	HWY: STH 73	PROJECT NO: 1520-07-82
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Division	From/To Station	Location	Common Excavation (1)	(item # 205.0100) EBS Excavation	Salvaged/Un usable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (6)	Mass Ordinate +/- (7)	Waste
			Cut (2)	(3)				Factor		
Division 1								1.25		
SUBSURFACE ENHANCMENT	04+00/19+00	STH 73	7,565	0	722	6,843	20	25	6,817	6,817
Division 1 Subtotal			7,565	0	722	6,843	20	25	6,817	6,817
Grand Total			7,565	0.00	722	6,843	20	25	6,817	6,817
		Total C	Common Exc	7,565					-	

All numbers displayed above are portrayed as volumes (CY)

- 1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
- 2) Salvaged/Unsuable Pavement Material is included in Cut.
- 3) EBS Excavation to be backfilled with Select Borrow material.
- 4) Salvaged/Unusable Pavement Material
- 5) Available Material = Cut Salvaged/Unusuable Pavement Material
- 6) Expanded Fill. Factor = 1.25
- 7) The Mass Ordinate + or Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

ALL ITEMS ARE CAT 0010 UNLESS NOTED OTHERWISE

PROJECT NO: 1520-07-82 HWY: STH 73 COUNTY: CLARK MISCELLANEOUS QUANTITIES SHEET E

1:

HMA PAVEMENT ITEMS

PIPE UNDERDRAIN WRAPPED 6-INCH

612.0406

STATION	то	STATION	LOCATION	LF	REMARKS	
4+00	-	19+00	MAINLINE	3750	RECONSTRUCTION	SECTION
		PROJECT	TOTALS =	3750		

				HMA COLD			ASPHALTIC	
				WEATHER		HMA PAVEMENT	SURFACE	
				PAVING	**TACK COAT	4 MT 58-34 H	PATCHING	
				450.4000	455.0605	460.6444	465.0110	
STATION	TO	STATION	LOCATION	TON	GAL	TON	TON	REMARKS
4+00	-	19+00	MAINLINE	2,235	385	2,235	-	RECONSTRUCTION SECTION
19+00	-	158+00	MAINLINE	10,245	3,210	10,245	50	
			BRIDGE WATER	275	190	275	-	
			ROLLING HILLS	315	220	315	-	
		PR	OJECT TOTALS =	13,070	4,005	13,070	50	•

^{**} TACK COAT APPLICATION RATE IS BASED ON 0.07 GAL/SY

ASPHALTIC CENTER LINE RUMBLE STRIP 2-LANE RURAL

				465.0475
STATION	TO	STATION	LOCATION	LF
7+00	-	20+44	CL	1,344
24+44	-	59+84	CL	3,540
63+84	-	75+71	CL	1,187
77+21	-	102+70	CL	2,550
106+70	-	119+56	CL	1,286
123+56	-	138+12	CL	1,456
142+12	-	158+00	CL	1,588
		PROJEC	T TOTALS=	12,951

PREPARE FOUNDATION FOR ASPHALTIC PAVING SPECIAL (PROJECT) 01. 1520-07-82

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

465.0120

STATION TO STATION LOCATION TON

4+00 - 158+00 PROJECT 40

PROJECT TOTALS = 40

BARRIER SYSTEM GRADING SHAPING FINISHING

614.0010

		01110010	
STATION	LOCATION	EACH	REMARKS
73+94.01	NB - SE QUADRANT	1	в-10-0048
78+75.15	NB - NE QUADRANT	1	B-10-0048
87+05.33	NB - STH 73 CURVE 2	1	
91+36.59	NB - STH 73 CURVE 2	1	
115+71.87	NB - STH 73 CURVE 6	1	
119+40.63	NB - STH 73 CURVE 6	1	
74+18.15	SB - SW QUADRANT	1	B-10-0048
77+80.74	SB - NW QUADRANT	1	B-10-0048
78+70.00	STH 73 CURVE 1	1	
79+76.25	STH 73 CURVE 1	1	
116+80.04	STH 73 CURVE 6	1	
121+11.30	STH 73 CURVE 6	1	
	PROJECT TOTAL =	12	

ALL ITEMS ARE CAT 0010 UNLESS NOTED OTHERWISE

APPROXIMATE QUANTITIES	FOR BA	RRIER SYS	<u>STEM GRADIN</u>	<u>IG SHAPIN</u>	G FINI	<u> ISHING,</u>	FOR INF	<u>ORMATIONAL</u>	<u>PURPOSES</u>	ONLY
LOCATION	FILL	FILL	COMMON	SALVAGED	SEED	SEED	SEEDING	FERTILIZER		

LUCATION		LILL	FILL	COMMON	SALVAGED	SEED	SEED	SEEDING	FEKITLIZEK		
POST #1			(1.25)	EXCAVATION	TOPSOIL	AREA	MIX 30	TEMPORARY	TYPE B	MULCH	REMARKS
STATION	LOCATION	CY	CY	CY	SY	SY	LBS	LBS	CWT	SY	
73+94.01	SE QUADRANT	17.95	23	0.00	90	90	1.62	2.43	0.06	90.00	
78+75.15	NE QUADRANT	11.30	15	0.00	60	60	1.08	1.62	0.04	60.00	
87+05.33	STH 73 CURVE 2	7.27	10	0.00	49	49	0.88	1.32	0.03	49.00	
91+36.59	STH 73 CURVE 2	6.35	8	0.00	65	65	1.17	1.76	0.04	65.00	
115+71.87	STH 73 CURVE 6	0.30	1	2.56	31	31	0.56	0.84	0.02	31.00	
119+40.63	STH 73 CURVE 6	41.48	52	0.00	134	134	2.41	3.62	0.08	21.00	
74+18.15	SW QUADRANT	20.29	26	0.00	61	61	1.10	1.65	0.04	61.00	
77+80.74	NW QUADRANT	4.40	6	0.00	28	28	0.50	0.76	0.02	28.00	
78+70.00	STH 73 CURVE 1	11.20	14	0.00	73	73	1.31	1.97	0.05	73.00	
79+76.25	STH 73 CURVE 1	6.24	8	0.00	83	83	1.49	2.24	0.05	83.00	
116+80.04	STH 73 CURVE 6	55.18	69	0.00	162	162	2.92	4.37	0.10	162.00	
121+11.30	STH 73 CURVE 6	19.56	25	1.06	99	99	1.78	2.67	0.06	99.00	
	TOTALS	201.52	257.00	3.62	935.00	935.00	16.83	25.25	0.59	822.00	

NOTES:

SALVAGED TOPSOIL IS CALCULATED FOR THE SIDE SLOPES ONLY

MODIFIED GRADING SECTIONS HAVE A REDUCED AGGREGATE SHOULDER AND/OR A 2.5:1 SIDE SLOPE (SEE CONSTRUCTION

DETAIL AND CROSS-SECTIONS)

COMMON EXCAVATION INCLUDES REMOVING EXISTING AGGREGATE SHOULDER DOWN TO THE FINISHED SURFACE

PROJECT NO: 1520-07-82 HWY: STH 73 COUNTY: CLARK MISCELLANEOUS QUANTITIES SHEET E

BEAM GUARD ITEMS

				MGS GUARDRAIL 3 614.2300	MGS THRIE BEAM TRANSITION 614.2500	MGS GUARDRAIL TERMINAL EAT 614.2610	STEEL THRIE BEAM STRUCTURE APPROACH 614.0200	STEEL PLATE BEAM GUARD CLASS A 614.0305	STEEL PLATE BEAM GUARD SHORT RADIUS 614.0345	STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL 614.0390	
STATION	TO	STATION	LOCATION	LF	LF	EACH	LF	LF	LF	EACH	REMARKS
73+94	-	75+72	NB - SE QUADRANT	87.5	39.4	1	-	-	-	-	B-10-0048
77+22	-	78+75	NB - NE QUADRANT	62.5	39.4	1	-	_	_	-	B-10-0048
87+05	_	91+37	NB - STH 73 CURVE 2	325.0	_	2	-	-	_	_	
115+72	_	119+41	NB - STH 73 CURVE 6	262.5	_	2	-	-	_	_	
74+18	_	75+71	SB - SW QUADRANT	62.5	39.4	1	-	-	_	_	B-10-0048
77+14	_	79+76	SB - NW QUADRANT	_	_	-	20.65	100	35.3	1	B-10-0048
78+70	-	79+76	SB - STH 73 CURVE 1	_	_	2	-	-	_	-	
116+80	-	121+11	SB - STH 73 CURVE 6	325.0	-	2	-	-	_	-	
			PROJECT TOTALS =	1,125.0	118.2	11	20.65	100	35.3	1	=

SILT FENCE SUMMARY

ADJUSTING STEEL PLATE BEAM GUARD

	SALVAGED RA	<u>IL</u>					SILT FENCE	
						SILT FENCE	MAINTENANCE	
		614.0920				628.1504	628.1520	
STATION TO STATION	LOCATION	LF	REMARKS	STATION TO STATION	N LOCATION	LF	LF	REMARKS
75+11 - 75+72	BRIDGE SE	50	B-10-0048	73+34 - 74+48	NB - SE QUADRANT	115	115	
77+22 - 77+91	BRIDGE NE	58	B-10-0048	73+43 - 74+72	SB - SW QUADRANT	134	134	
75+05 - 75+71	BRIDGE SW	57	B-10-0048	79+26 - 80+25	SB - NW QUADRANT	101	101	
77+14 - 77+82	BRIDGE NW	59	B-10-0048	78+25 - 79+24	NB - NE QUADRANT	104	104	
87+05 - 91+24	CURVE 2 RT	404		86+77 - 87+59	NB - STH 73 CURVE 2	86	86	BEGINS AFTER DRIVEWAY
117+13 - 118+44	CURVE 6 RT	108		90+82 - 91+82	NB - STH 73 CURVE 2	105	105	
116+80 - 121+05	CURVE 6 LT	412		115+26 - 116+25	NB - STH 73 CURVE 6	101	101	
	PROJECT TOTALS =	1,148	_	118+86 - 119+86	NB - STH 73 CURVE 6	101	101	
		,		116+35 - 117+34	SB - STH 73 CURVE 6	103	103	
				120+57 - 121+16	SB - STH 73 CURVE 6	61	61	ENDS AT DRIVEWAY
MOBILIZATION				4+00 - 158+00	PROJECT	89	89	UNDISTRIBUTED
					PROJECT TOTAL =	1,100	1,100	
619.1000						•	•	

LOCATION	EACH	REMARKS
PROJECT	1.0	
PROJECT TOTALS =	1.0	_

<u>MOBI</u>	<u>LIZATION</u>	<u>N EROSION</u>	CONTROL

		MOBILIZATIONS						614.0400
	MOBILIZATIONS	EMERGENCY	_	STATION	TO	STATION	LOCATION	LF
	EROSION CONTROL	EROSION CONTROL		105+06	-	108+56	CURVE 4 RT	350
	628.1905	628.1910		106+10	-	108+85	CURVE 4 LT	275
LOCATION	EACH	EACH	_					
	6	3					PROJECT TOTALS =	625
PROJECT TOTAL =	6	3						

EROSION CONTROL & LANDSCAPING ITEMS ITEMS

INLET PROTECTION TYPE C

628.7015				EROSION MAT	FERTILIZER	SEEDING MIXTURE	SEEDING			
STATION LOCATION LF				CLASS 1 TYPE A	TYPE B	NO. 40	TEMPORARY	SALVAGED TOPSOIL	MULCHING	
157+66 25' LT 1				628.2002	629.0210	630.0140	630.0200	625.0500	627.0200	
159+73 71' LT 1	STATION	TO STATIO	N LOCATION	SY	CWT	LB	LB	SY	SY	REMARKS
159+73 69' RT 1	4+00	- 19+00	MAINLINE	50	1.60	45.10	67.70	2500	2500	RECONSTRUCT SECTION
PROJECT TOTALS = 3	144+05	- 147+60	MAINLINE	-	0.20	3.00	4.50	158	158	CURB & GUTTER SECTION
	4+00	- 158+00	MAINLINE	100	0.20	1.90	2.80			UNDISTRIBUTED
ALL ITEMS ARE CAT 0010 UNLESS NOTED OTHERWISE			TOTAL =	150	2.0	50.0	75.0	2,658	2,658	

	PR	ROJECT NO: 1520-07-82	HWY: STH 73	COUNTY: CLARK	MISCELLANEOUS QUANTITIES	SHEET	Е
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	SIGN NO. STA	LOC.	SIZE SIGN in x in CODE	DESCRIPTION	MESSAGE	POSTS WOOD 4X6-INCH X 16-FT 634.0616 EACH	POSTS WOOD 4X6-INCH X 18-FT 634.0618 EACH	SIGNS TYPE II REFLECTIVE H 637.2210 SF	SIGNS TYPE II REFLECT F 637.2230 SF	MOVING SIGNS TYPE II 638.2102 EACH	REMOVING SIGNS TYPE II 638.2602 EACH	REMOVING SMALL SIGN SUPPORTS 638.3000 EACH	REMARKS
1	101 5+51	STH 73 RT	48 x 36 J4-2	DESCRIPTION	112337162	-	1	12.00	-	-	1	1	- REFERENCE
ı	5+51	STH 73 RT	24 X 24 M1-6	ROUTE MARKER	73	_	_	_	_	_	_	_	
	5+51	STH 73 RT	24 X 24 M1-6	ROUTE MARKER	95	_	_	-	_	_	_	_	
31	5+51	STH 73 RT	24 X 12 M3-2	NORTH MARKER		-	-	-	-	-	-	-	STH 73
	5+51	STH 73 RT	24 X 12 M3-2	EAST MARKER		-	-	-	-		-	-	STH 95
ı	102 7+20	STH 73 RT	24 X 30 R2-1	SPEED LIMIT _ MPH	55	1	-	5.00	-	-	-	-	
1	103 7+93	STH 73 LT	78 X 30 D1-2	MERRILLAN/WISCONSIN RAPIDS W/ ARROWS		2	-	16.25	-	-	1	2	
	104 8+53	STH 73 RT	78 X 15 D2-1	NEILLSVILLE 3		2	-	8.13	-	-	1	2	
ı	105 11+27	STH 73 LT	48 X 57 J2-2			-	1	19.00	-	-	1	1	
ı	11+27	STH 73 LT	24 X 24 M1-6	ROUTE MARKER	73	-	-	-	-	-	-	-	
1	11+27	STH 73 LT	24 X 24 M1-6	ROUTE MARKER	95	-	-	-	_	-	-	-	
1	11+27	STH 73 LT	24 X 12 M3-2	SOUTH MARKER		-	-	-	-	-	-	-	STH 73
ı	11+27	STH 73 LT	24 X 12 M3-2	WEST MARKER		-	-	-	-	-	-	-	STH 95
1	11+27	STH 73 LT	21 X 21 M5-1L	ADVANCE ARROW LEFT TURN		-	-	-	-	-	-	-	STH 73
ı	11+27	STH 73 LT		ARROW AHEAD		-	-	-	-	-	-	-	STH 95
	201 22+66	MIDDLE RD		STOP		1	-	5.18	-	-	1	1	
	202 22+94	STH 73 RT	24 X 30 R2-1	SPEED LIMIT _ MPH	55 Cummins	1	-	5.00	-	-	1	1	
	203 24+97	STH 73 RT	30 X 36 I-55-5	6 ADOPT-A-HIGHWAY [SPONSOR]	Filtration Employees	1	-	7.50	-	-	1	1	
ı	301 31+22	STH 73 RT		NO PASSING ZONE		1	-	-	6.00	-	1	1	
1	401 48+00	STH 73 LT		NO PASSING ZONE		1	-	-	6.00	-	1	1	
ı	402 57+81	STH 73 RT		T-INTERSECTION		1	-	-	6.25	-	1	1	
	501 61+55	STH 73 LT		STOP		1	-	5.18	-	-	1	1	
1	601 75+87	STH 73 LT		L CLEARANCE STRIPER DOWN RIGHT		1	-	-	3.00	-	1	1	
1	602 75+87	STH 73 RT		R CLEARANCE STRIPER DOWN LEFT		1	-	-	3.00	-	1	1	
ı	603 75+94	STH 73 RT		CUNNINGHAM CREEK		-	2	12.00	-	-	1	2	
ı	604 76+94	STH 73 LT		CUNNINGHAM CREEK		-	2	12.00	-	-	1	2	
ı	605 77+00	STH 73 LT		R CLEARANCE STRIPER DOWN LEFT		1	-	-	3.00	-	1	1	
	606 77+08	STH 73 RT		L CLEARANCE STRIPER DOWN RIGHT		1	-	-	3.00	-	1	1	
	701 93+46	STH 73 RT		T-INTERSECTION		1	-	-	6.25	-	1	1	
ı	702 101+21	STH 73 RT		SCHOOL BUS STOP AHEAD		1	-	- - 10	9.00	-	1	1	
ı	801 104+83	MAPLE RD		STOP		1	-	5.18	_	_	1	1	
	802 113+27 113+27	STH 73 RT STH 73 RT		RIGHT CURVE ARROW ADVISOR SPPED LIMIT	50	-	-	-	-	-	Т	Ţ	
	803 114+21	STH 73 KT		T-INTERSECTION	30	_	_	_	_	_	1	1	
1	802 115+00	STH 73 ET		T-INTERSECTION R HORIZONTAL CURVE W/ INTERSECTION		- 1	_	_	6.25	_	_	_	
1	901 121+16	STRUBLE RD		STOP		1	_	5.18	-	_	1	1	
	902 123+44	STH 73 LT		NIGHT ARROW		-	_	-	_	_	1	1	
	903 128+50	STH 73 LT		LEFT CURVE ARROW		1	_	_	6.25	_	-	-	
				STOD FOR SCHOOL BUS FLASHING		<u>*</u>			3.23		_		
	904 130+50	STH 73 LT	36 X 36 R59-53	RED LIGHTS STATE LAW	2.5	1	-	9.00	-	-	1	1	
	905 132+25	STH 73 RT		SPEED LIMIT AHEAD MERRILLAN 18	35	1	-	9.00	-	-	1	1	
	906 132+96	STH 73 LT	84 X 24 D1-2	WIS RAPIDS 45		-	2	14.00	-	-	1	2	
					SUBTOTAL #1=	24	8	149.60	58	0	27	32	

ALL ITEMS ARE CAT 0010 UNLESS NOTED OTHERWISE

PROJECT NO: 1520-07-82 HWY: STH 73 COUNTY: CLARK MISCELLANEOUS QUANTITIES SHEET E

PERMANENT SIGN SUMMARY CONTINUED

						POSTS WOOD 4X6-INCH X 16-FT	POSTS WOOD 4X6-INCH X 18-FT	SIGNS TYPE II REFLECTIVE H	SIGNS TYPE II REFLECT F	MOVING SIGNS TYPE II	REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS	
SIGN		SIZE	W1-8		MESSAGE	634.0616	634.0618	637.2210	637.2230	638.2102	638.2602	638.3000	
NO. STA	LOC.	in x in	CODE	DESCRIPTION	LINE 1	EACH	EACH	SF	SF	EACH	EACH	EACH	REMARKS
1001 135+20	STH 73 LT	30 X 30	W1-2L	LEFT CURVE ARROW		-	-	-	-	-	1	1	
	STH 73 LT	18 X 18	W13-1	ADVISOR SPPED LIMIT	50	-	-	-	-	-	-	-	
	ROLLING HILLS D		R1-1	STOP		1	-	5.18	-	-	1	1	
1003 141+85	STH 73 LT	24 X 30		SPEED LIMIT	55	1	-	5.00	-	-	1	1	
1004 142+00	STH 73 RT	24 X 30		SPEED LIMIT	35	1	-	5.00	-	-	1	1	
1005 144+25	STH 73 RT	48 X 39	J1-2			-	1	13.00	-	-	1	1	
144+25	STH 73 RT	24 X 24	M1-4		10	-	-	-	-	-	-	-	
144+25	STH 73 RT	24 X 24	M1-6		95	-	-	-	-	-	-	-	
144+25	STH 73 RT	21 X 15		JUNCTION		-	-	-	-	-	-	-	STH 95
144+25	STH 73 RT	24 X 12	M4-6			-	-	-	-	-	-	-	STH 95
1006 147+00	STH 73 LT	24 X 30	R2-1	SPEED LIMIT _ MPH	35	1	-	5.00	-	-	1	1	
1007 147+45	STH 73 RT	24 X 57	J2-1			-	1	9.50	-	-	1	1	
147+45	STH 73 RT	24 X 12		NORTH MARKER		-	-	-	-	-	-	-	
147+45	STH 73 RT	24 X 24		ROUTE MARKER	73	-	-	-	-	-	-	-	
147+45	STH 73 RT			ADVANCE ARROW RIGHT TURN		-	-	-	-	-	_	-	
1101 149+67	STH 73 RT	24 X 30		SPEED LIMIT _ MPH	35 Cummins	1	-	5.00	-	-	1	1	
1102 149+75	STH 73 LT	30 X 36	I-55-56	6 ADOPT-A-HIGHWAY [SPONSOR]	Filtration Employees	1	-	7.50	-	-	1	1	
1103 151+75	STH 73 RT	36 X 36	w3-3			1	-	-	9.00	-	1	1	
1104 151+86	STH 73 LT	24 X 30	R2-1	SPEED LIMIT _ MPH	35	1	-	5.00	-	-	1	1	
1105 154+44	STH 73 RT	78 x 36	D1-3	FAIRCHILD/MARSHFIELD GREENWOOD		-	2	19.50	-	-	1	2	
154+44	STH 73 RT	78 X 12	D1-1	THE HIGH GROUND		-	-	-	-	1	-	-	SAME LOCATION
1106 156+13	STH 73 RT	72 X 24	12-3	NEILLSVILLE POPULATION	2463	2	-	12.00	-	-	1	2	
156+13	STH 73 RT	30 X 36		EMERGENCY		-	-	-	-	-	-	-	
1107 156+85	STH 73 LT	24 X 30	R2-1	SPEED LIMIT _ MPH	35	1	-	5.00	-	-	1	1	
1108 156+13	STH 73 RT	30 X 36	R10-64	NO ENGINE BREAKING EXCEPT IN EMERGENCY		1	-	7.50	-	-	-	-	
					SUBTOTAL #2=	11	4	96.68	9	1	14	16	
					SUBTOTAL #1=	25	8	157.60	58	0	27	32	
					PROJECT TOTALS=	36	12	254.28	67	1	41	48	

ALL ITEMS ARE CAT 0010 UNLESS NOTED OTHERWISE

PROJECT NO: 1520-07-82 HWY: STH 73 COUNTY: CLARK MISCELLANEOUS QUANTITIES SHEET E

<u>1520-07-82</u> 642.5001 STATION TO STATION LOCATION EACH 4+00 - 158+00 PROJECT 1 PROJECT TOTALS =

FIELD OFFICE TYPE B (PROJECT) 01.

TRAFFIC CONTROL DEVICES

DRUMS SIGNS 643.0300 643.0900 LOCATION DURATION EACH (1) DAYS EACH (1) DAYS 53 4505 2465

TRAFFIC CONTROL (PROJECT) 01. <u>1520-07-82</u>

643.0100 STATION TO STATION LOCATION EACH 4+00 - 158+00 PROJECT 1 PROJECT TOTALS = 1

4505 2465 PROJECT TOTALS =

(1) - NOT A BID ITEM, FOR INFORMATION ONLY.

PROJECT LIMITS 85

PAVEMENT MARKING

TEMPORARY PORTABLE RUMBLE STRIPS	LOCATING NO-PASSING ZONES		EPOXY 4-INCH 646.0106	GROOVED EPOXY 4-INCH 646.0107.S	EPOXY 8-INCH 646.0126	TEMPORARY PAINT 4-INCH 646.0402	SAME DAY EPOXY 4-INCH 646.0406	
643.0310.s	648.0100	STATION TO STATION LOCATION	LF	LF	LF	LF	LF	REMARKS
STATION TO STATION LOCATION LS	STATION TO STATION LOCATION LF	4+00 - 158+00 PROJECT	_	24,200	225	_	-	WHITE
4+00 - 158+00 PROJECT 1	4+00 - 158+00 CENTERLINE 2.92	4+00 - 158+00 PROJECT	26,930	-	_	52,120	26,930	YELLOW
PROJECT TOTALS = 1	PROJECT TOTAL = 2.92							
		PROJECT TOTALS =	26,930	24,200	225	52,120	26,930	•

CONSTRUCTION STAKING RESURFACING REFERENCE

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 1520-07-82

					650.9910
STATION	TO	STATION	LOCATION		LS
4+00	-	158+00	CENTERLINE		1
		Р	1		

GEOTEXTILE FABRIC TYPE DF SCHEDULE A

645.0111	650.8000
STATION TO STATION LOCATION SY REMARKS	STATION TO STATION LOCATION LF
4+00 - 19+00 MAINLINE 8000 RECONSTRUCTION SECTION	4+00 - 75+86 CENTERLINE 7,186
	77+00 - 158+00 CENTERLINE <u>8,100</u>
PROJECT TOTALS = 8000	PROJECT TOTAL = $15,286$

GEOGRID TYPE SR

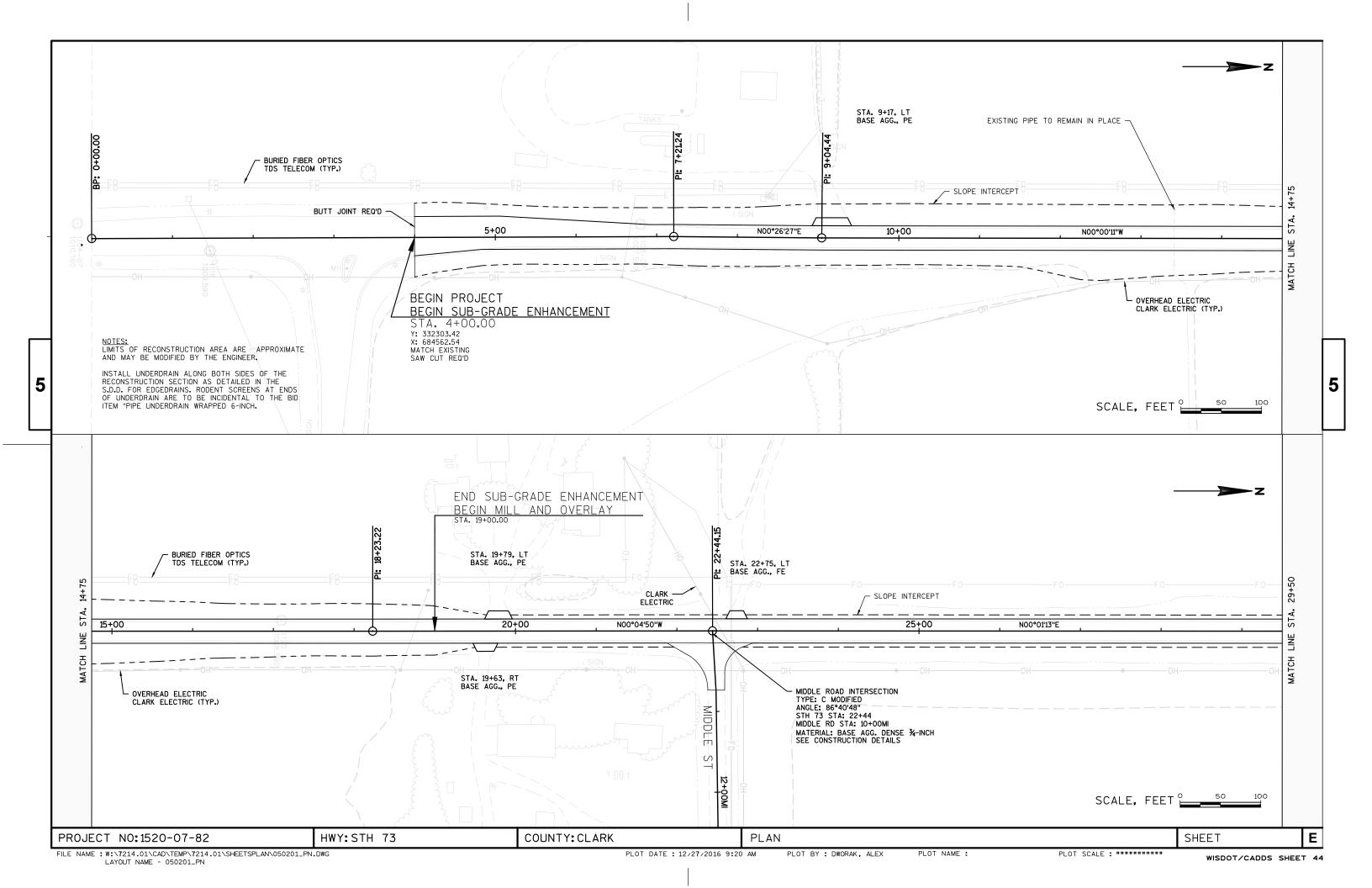
				645.0220	
STATION	TO	STATION	LOCATION	SY	REMARKS
4+00	-	19+00	MAINLINE	10167	RECONSTRUCTION SECTION
		PROJECT	TOTALS =	10167	•

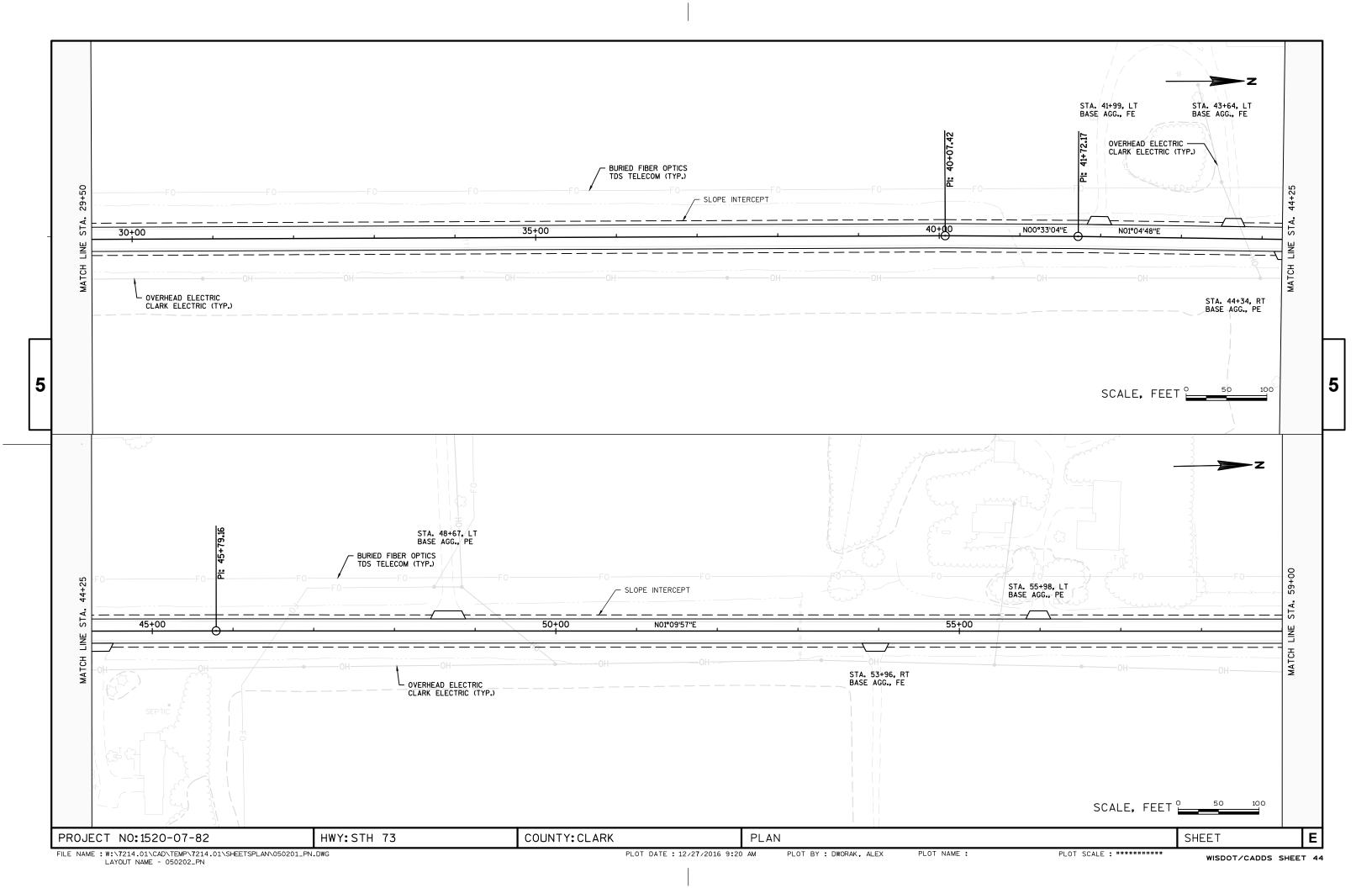
SAWING ASPHALT

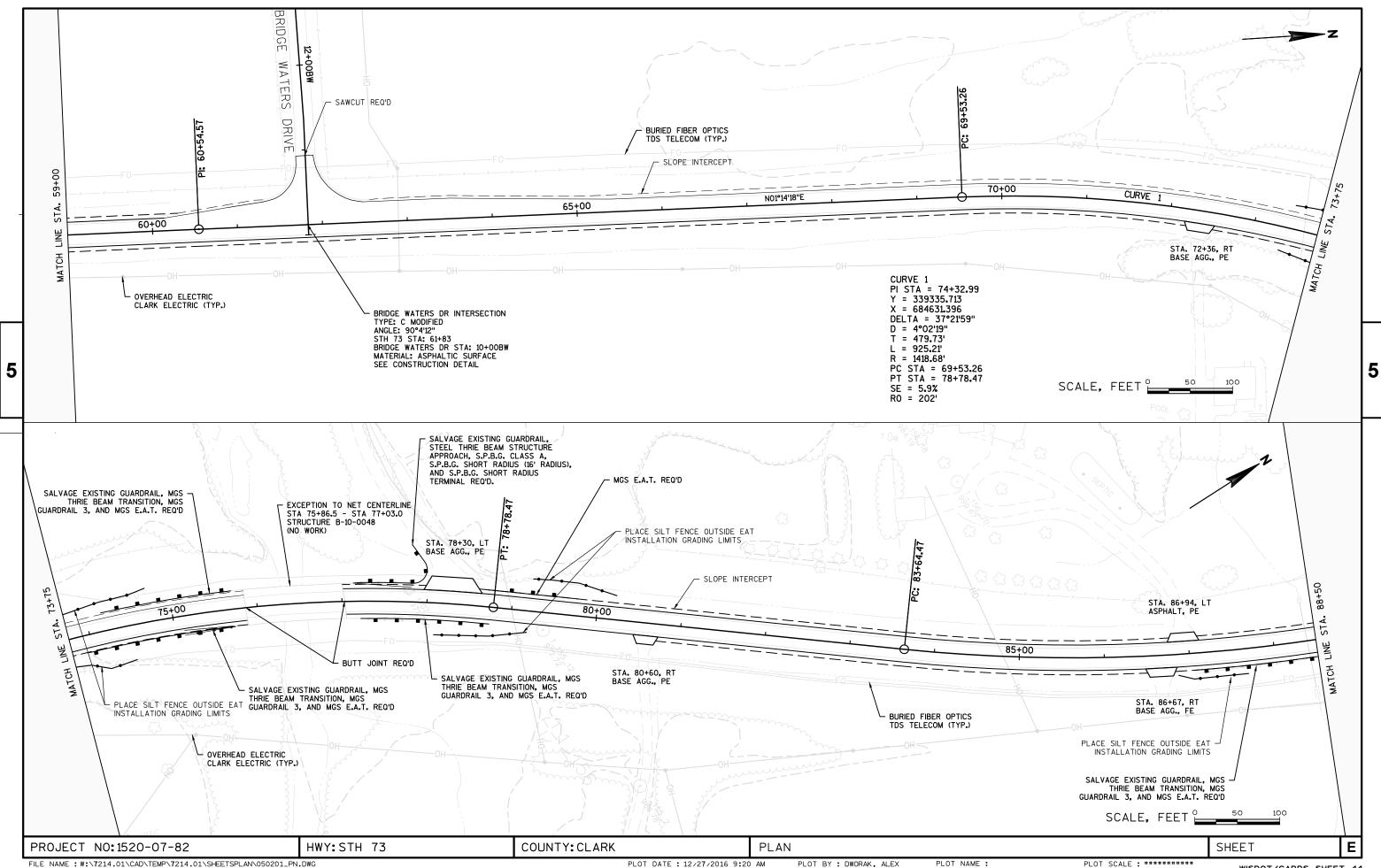
				690.0150	
STATION T	О	STATION	LOCATION	HRS	REMARKS
4+	-00)	MAINLINE	48	BEGIN PROJECT
4+00	-	19+00	MAINLINE	1,650	RECONSTRUCTION SECTION
61+72	-	61+92	LT	21	BRIDGE WATERS DR
86+76	-	87+12	LT	28	PRIVATE ENTRANCE
96+63	-	96+89	RT	19	PRIVATE ENTRANCE
97+18	-	97+46	LT	20	PRIVATE ENTRANCE
131+78	-	132+04	RT	18	PRIVATE ENTRANCE
132+54	-	132+79	RT	18	PRIVATE ENTRANCE
137+89	-	138+16	LT	20	PRIVATE ENTRANCE
139+90	-	140+20	LT	31	ROLLING HILLS DR
143+32	-	143+83	LT	43	COMMERCIAL ENTRANCE
144+00	-	147+65	RT	371	CURB & GUTTER REPAIR
156+98	-	157+63	RT	55	COMMERCIAL ENTRANCE
157+18	-	157+56	LT _	28	COMMERCIAL ENTRANCE
			PROJECT TOTALS =	2,370	-

ALL ITEMS ARE CAT 0010 UNLESS NOTED OTHERWISE

PROJECT NO: 1520-07-82 HWY: STH 73 COUNTY: CLARK SHEET MISCELLANEOUS QUANTITIES

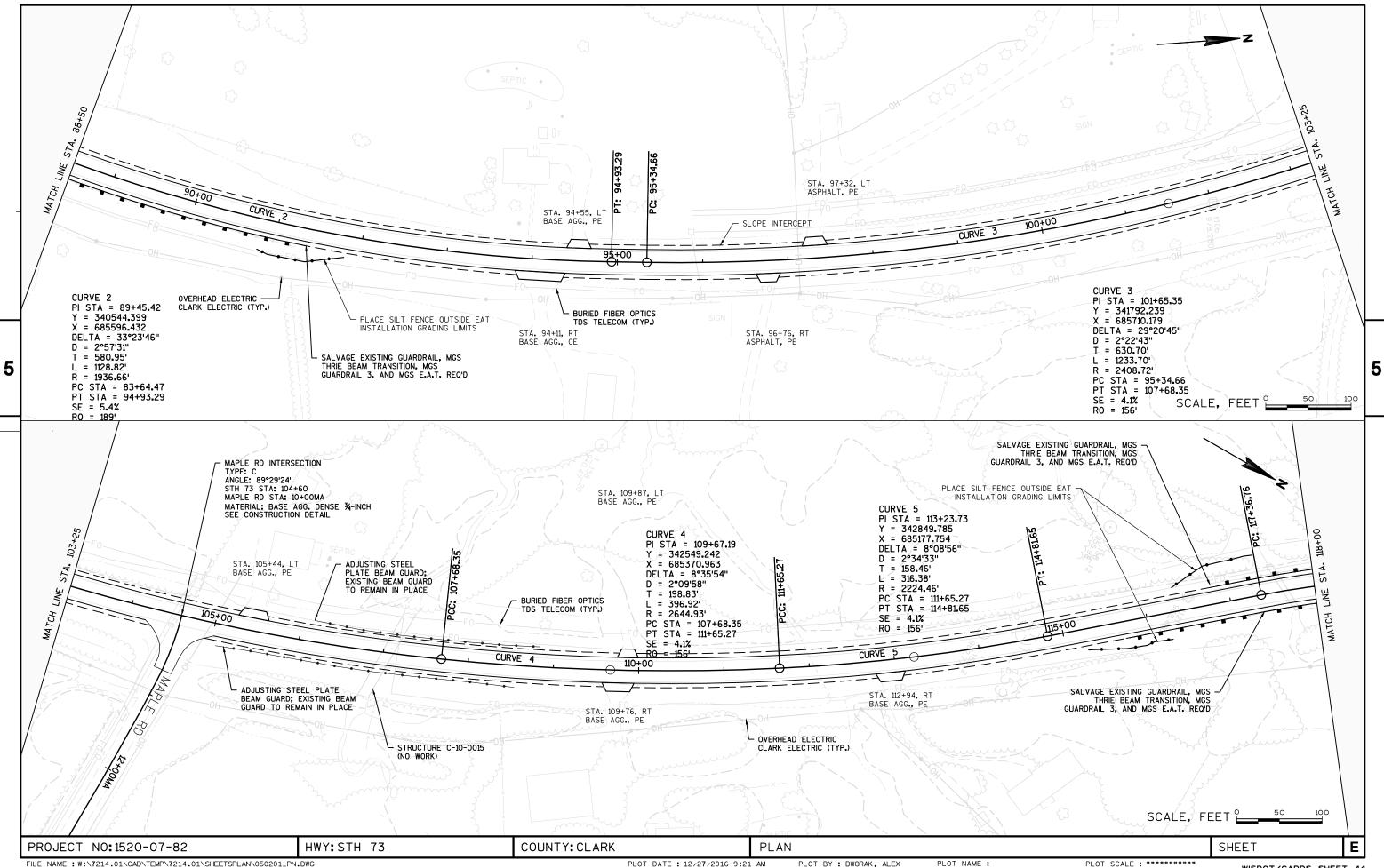






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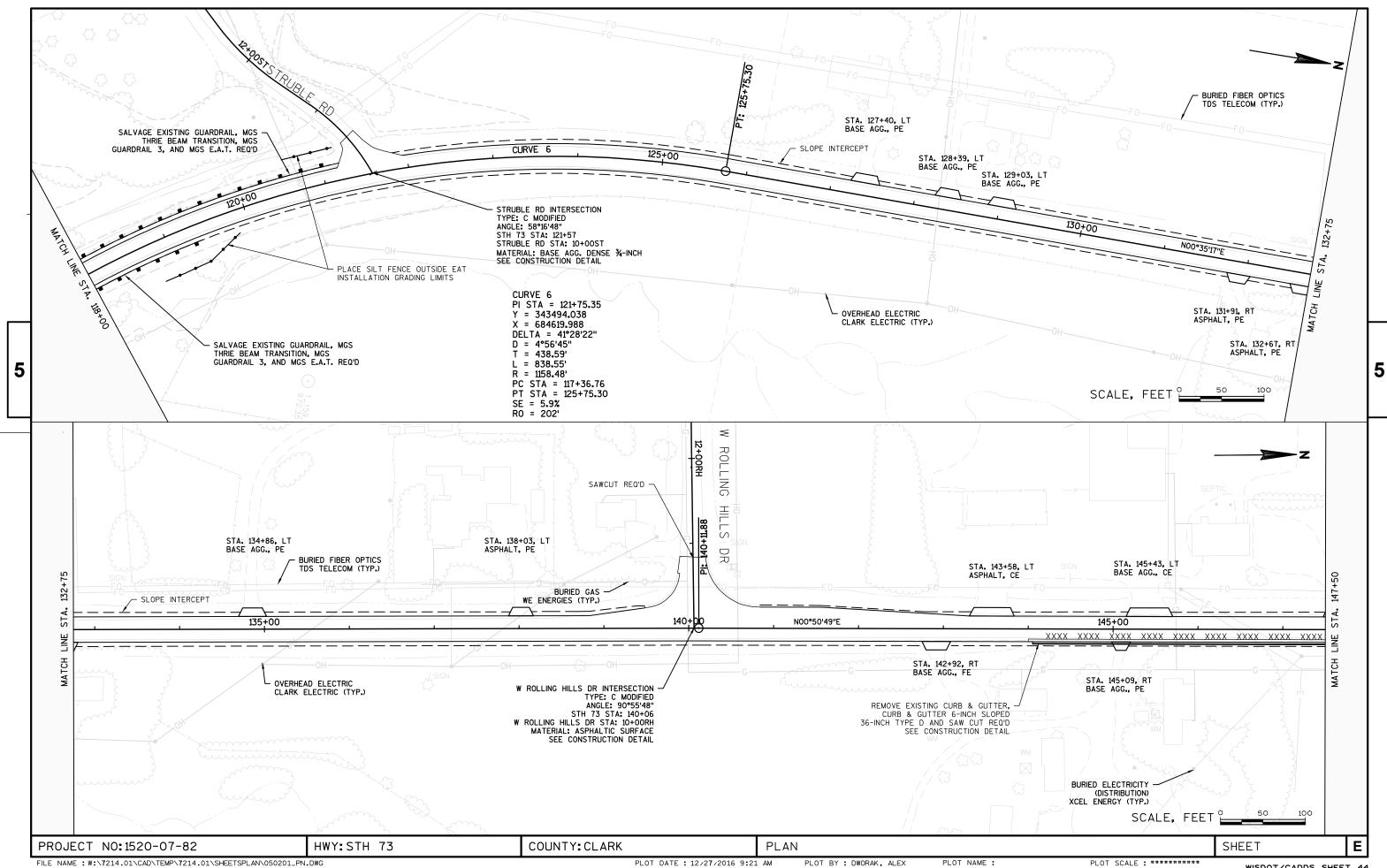
PLOT SCALE : #########



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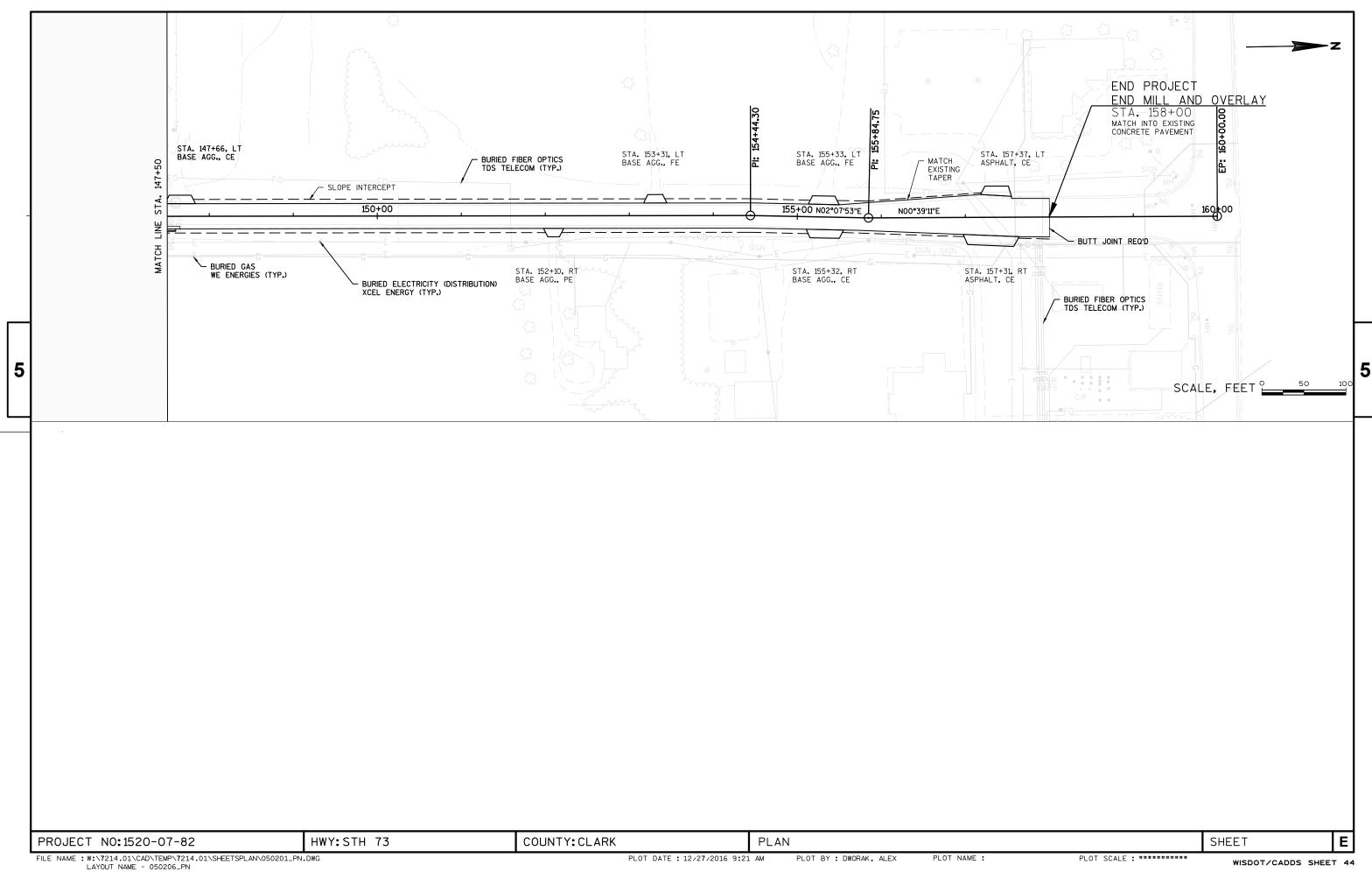
PLOT DATE : 12/27/2016 9:21 AM

PLOT BY : DWORAK, ALEX



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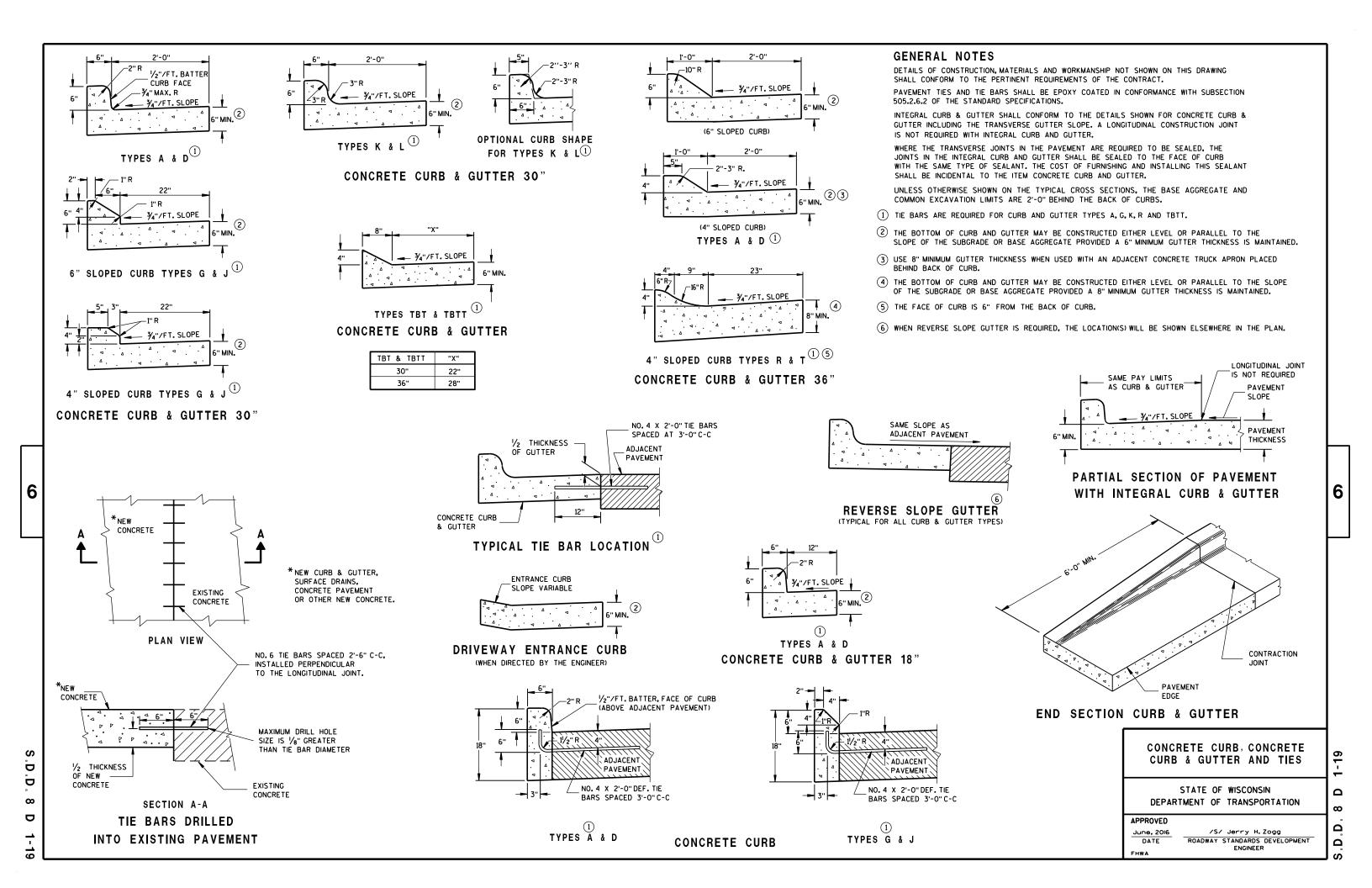
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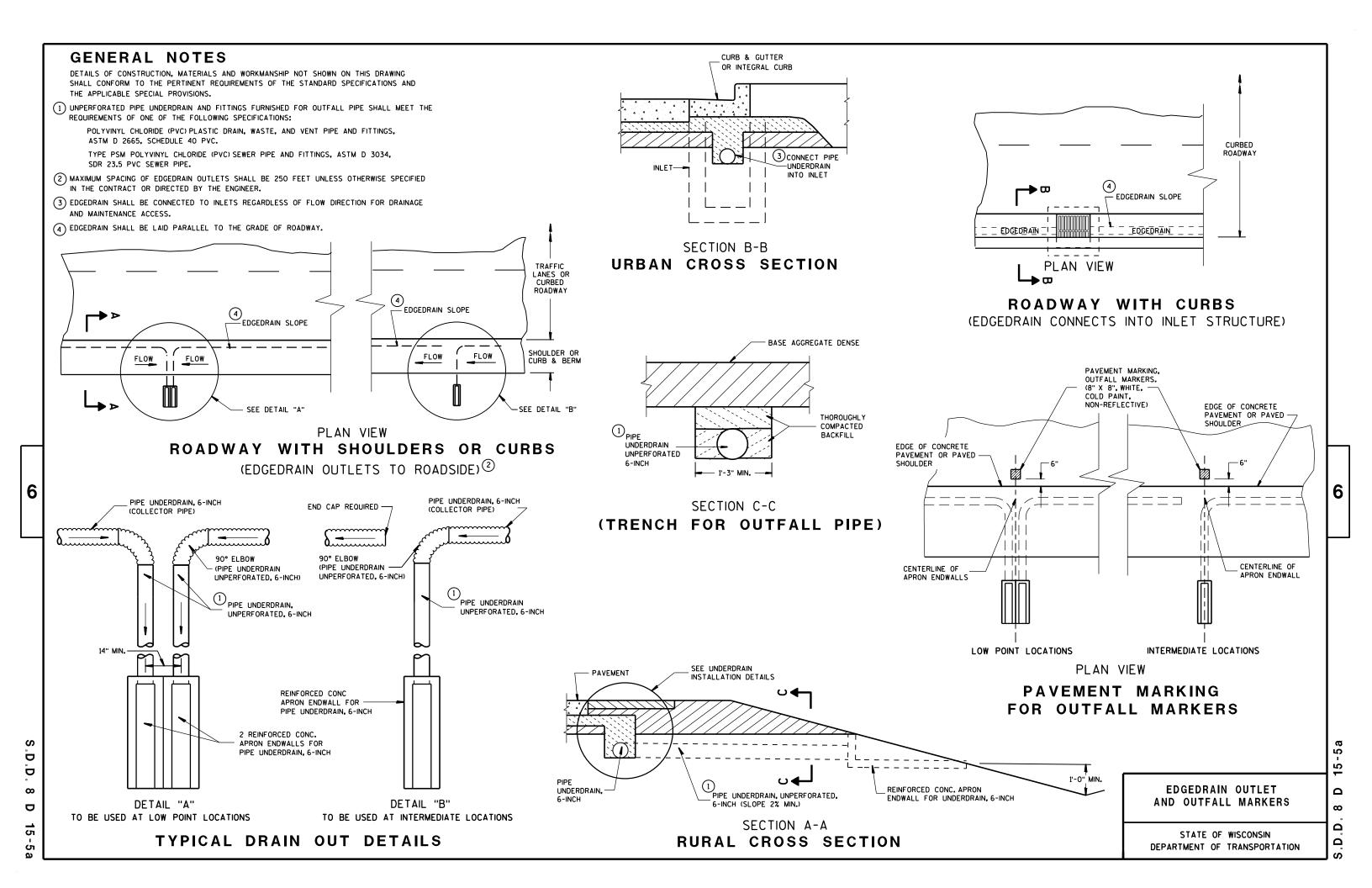


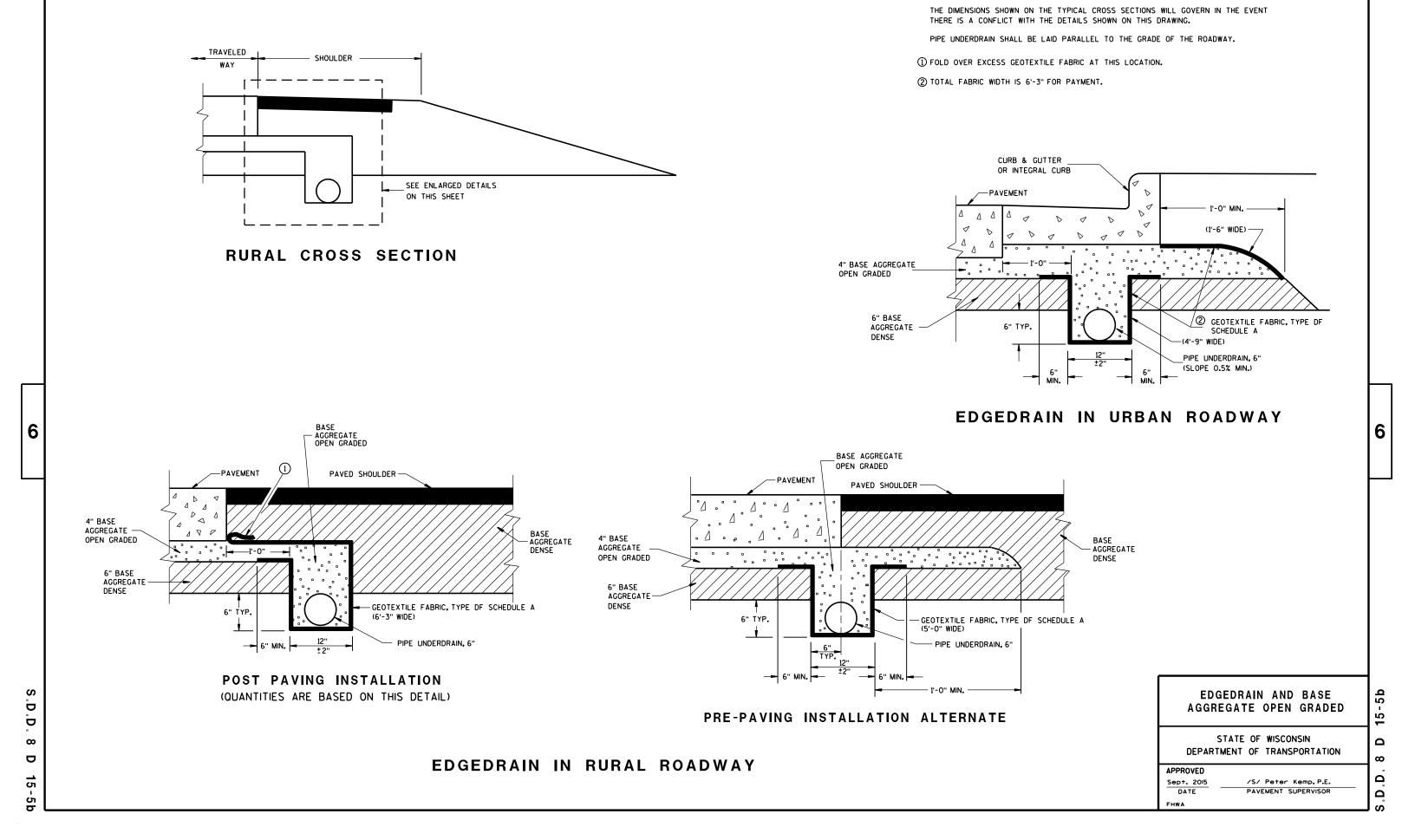
Standard Detail Drawing List

08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D15-05B	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B15-09A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-09B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-09C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B18-06A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
14B20-11A	STEEL THRIE BEAM STRUCTURE APPROACH
14B20-11D	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS
14B27-01A	STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL
14B27-01B	STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL
14B27-01C	STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL
14B42-04A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-04B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-04C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-02A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-04A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C06-08	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-17A	LONGITUDINAL MARKING (MAINLINE)
15C12-05	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C35-01A	PAVEMENT MARKING (INTERSECTIONS)

C







GENERAL NOTES

TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

- \bigcirc HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

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

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INLET PROTECTION, TYPE A

GENERAL NOTES

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

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

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

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

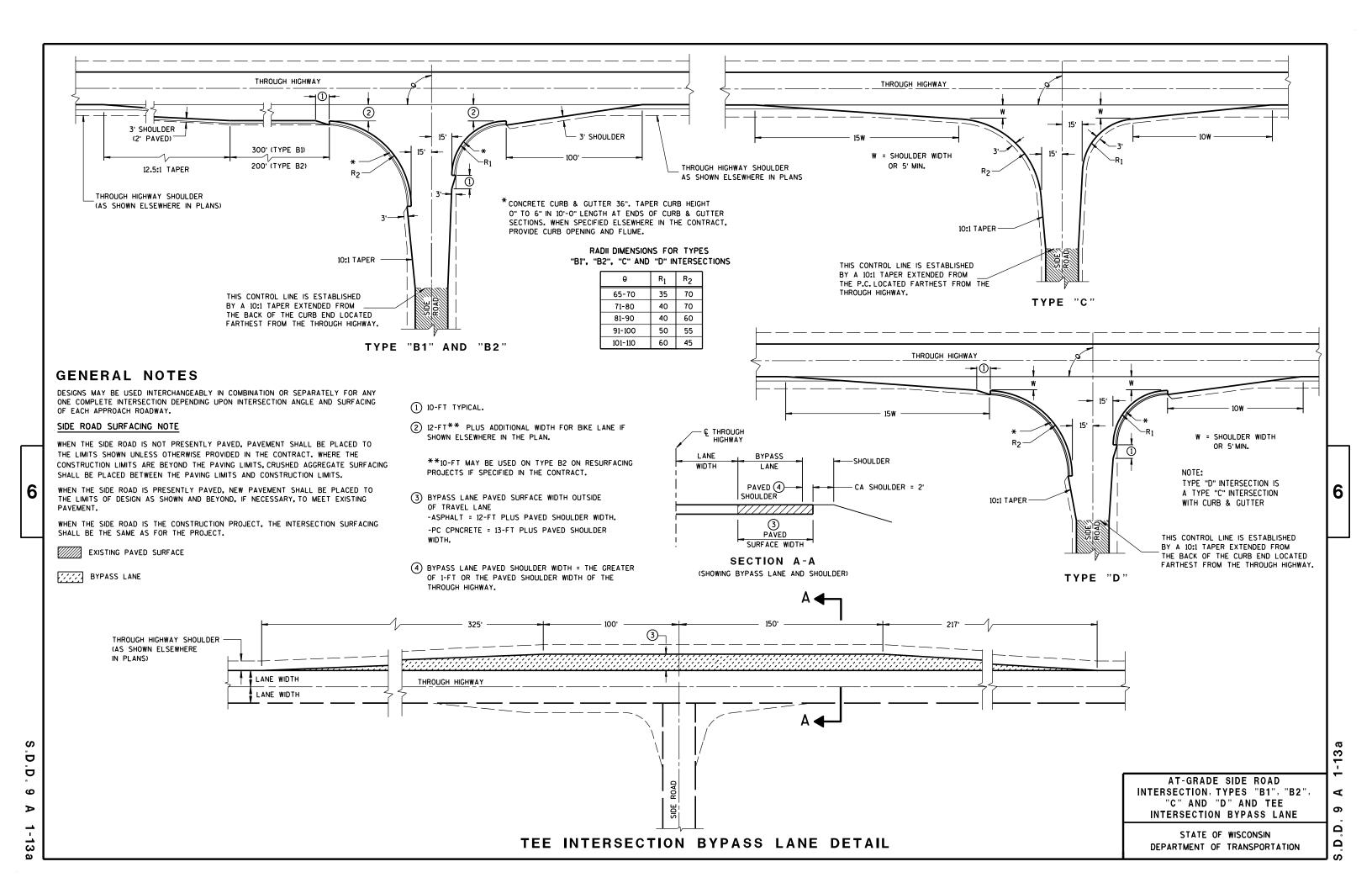
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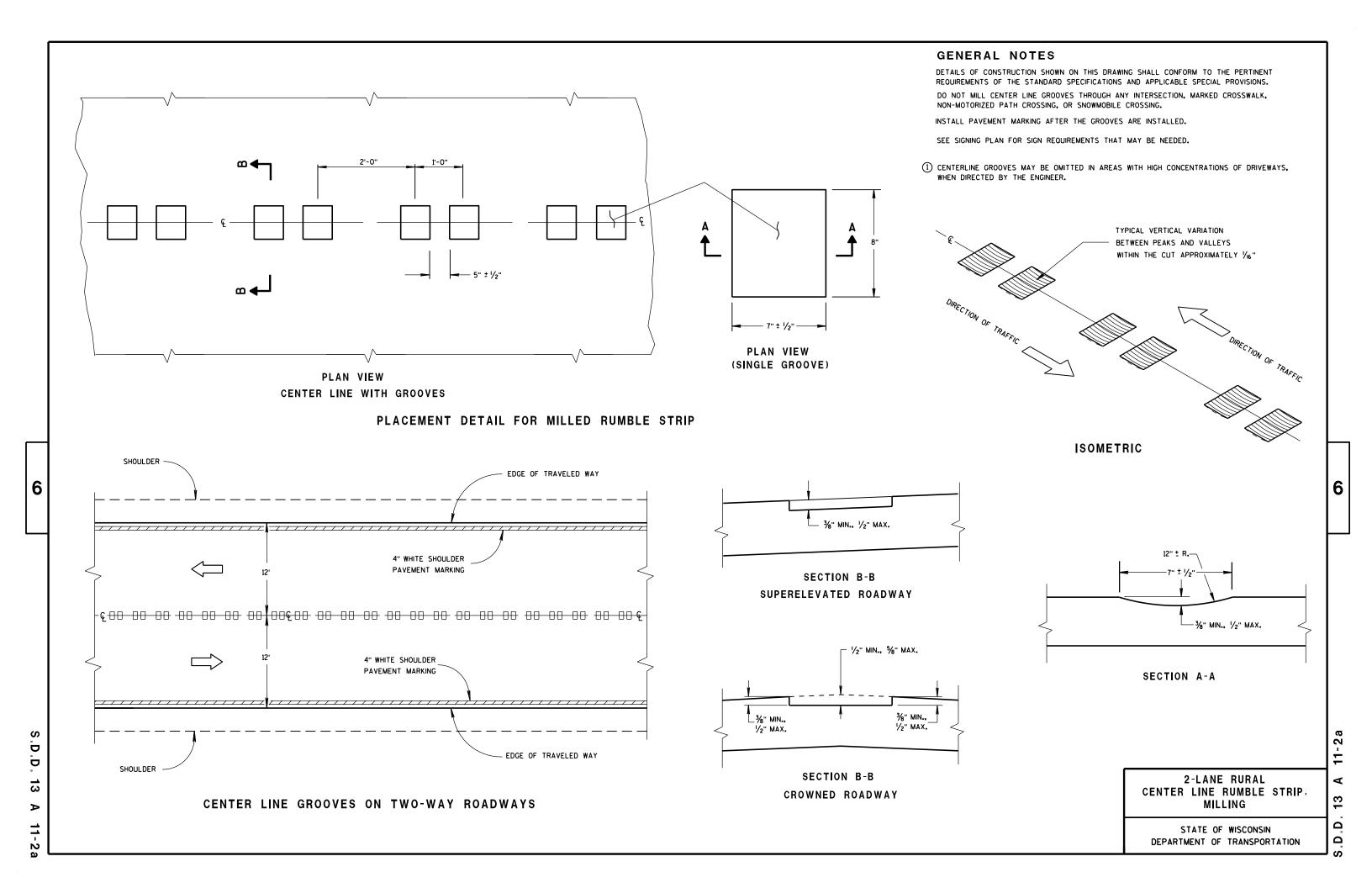
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

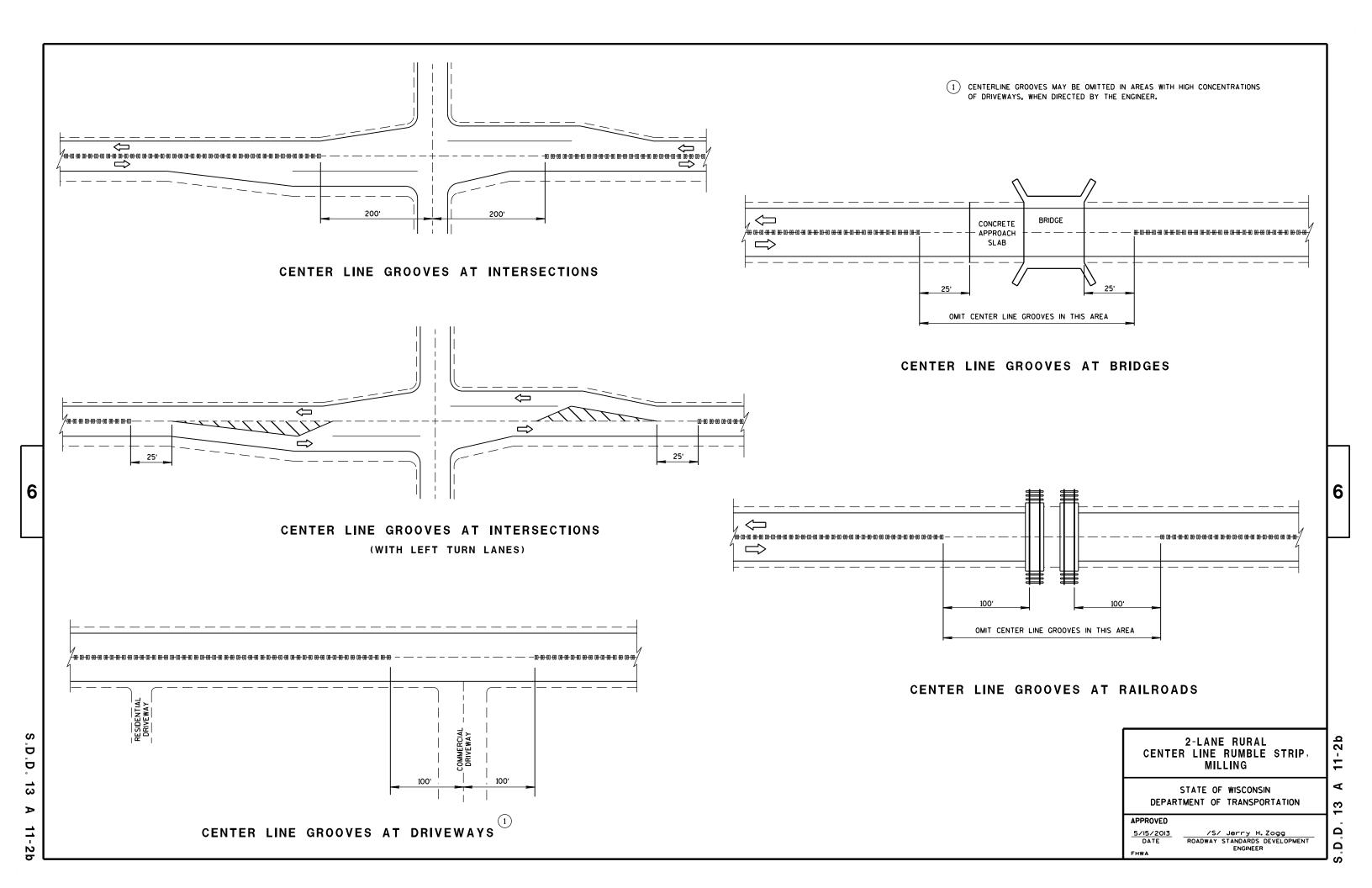
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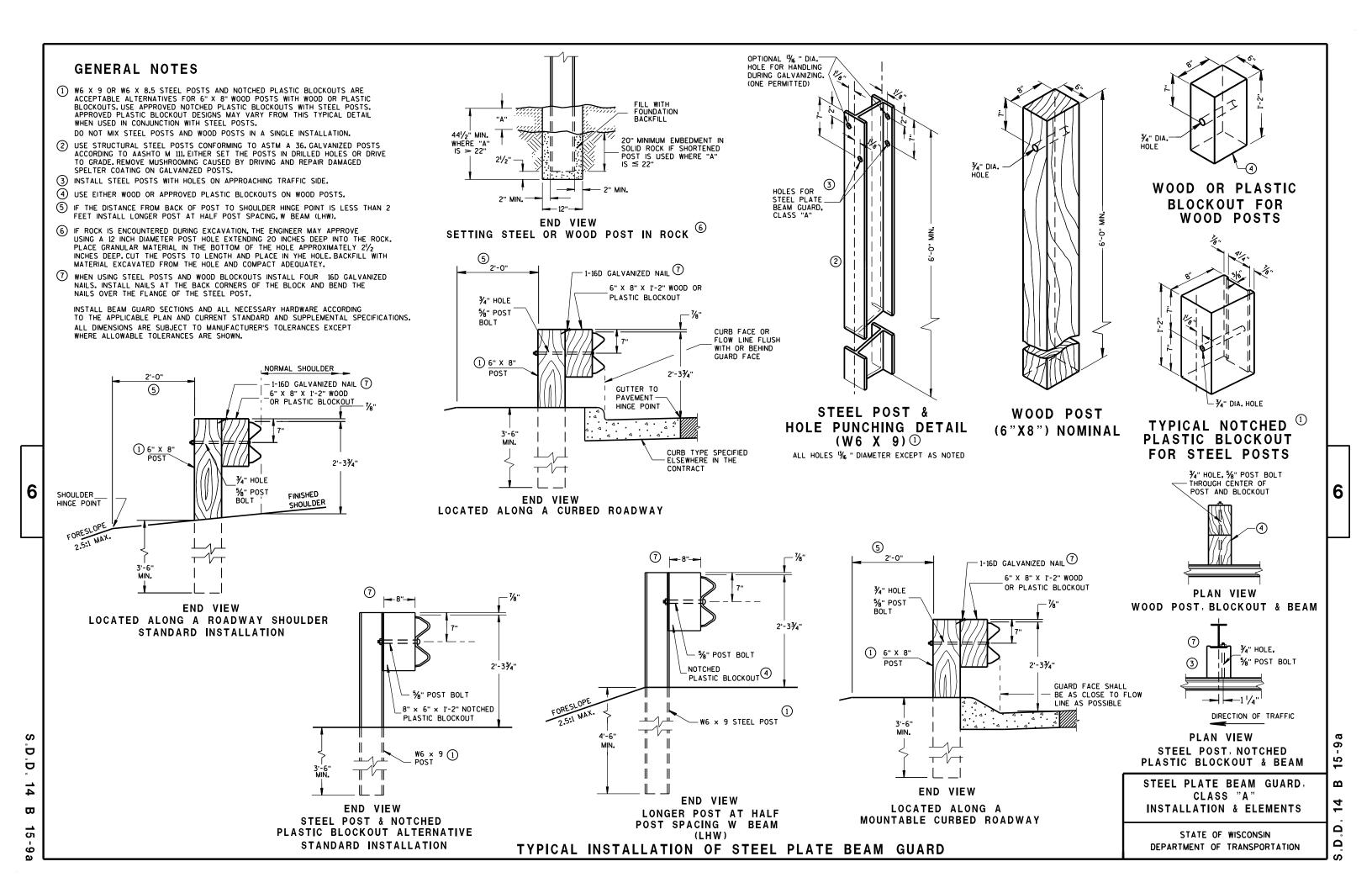
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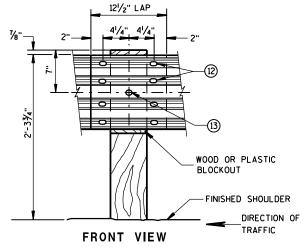


FRONT VIEW

POST SPACING STANDARD INSTALLATION

3/6" R 11/1/6" R 3/6" R 11/1/2" SYMMETRICAL ABOUT € 12 GAGE 10 31/4"

SECTION THRU W BEAM



BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

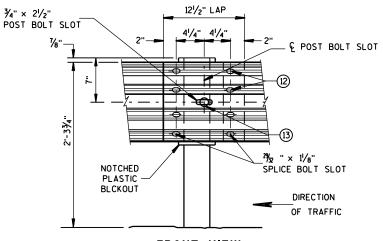
GENERAL NOTES

- (8) PROVIDE SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH YELLOW REFLECTIVE SHEETING. SHEETING IS TYPE H. SEE STANDARD SPECIFICATION 637.
- 9 DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- (10) REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
- (11) PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.
- (12) 8 -5%" \$ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
- 3 %" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH %" DIA. F844 FLAT WASHER UNDER NUT.

I2'-6" OR 25'-0" EFFECTIVE LENGTH OF BEAM 3'-1\frac{1}{2}\t" C-C 3'-1\frac{1}\t" C-C 3'-1\frac{1}{2}\t" C-C 3'-1\frac{1}{2}\t" C-C 3'-1\frac{1}{2}\t" C-C 3'-1\frac{1}{2}\t" C-C 3'-1\frac{1}{2}\t" C-C 3'-1

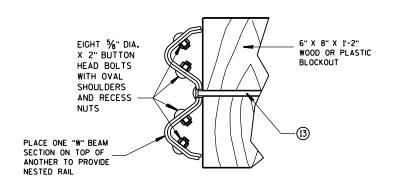
FRONT VIEW

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



FRONT VIEW
BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS
OF STEEL PLATE BEAM GUARD

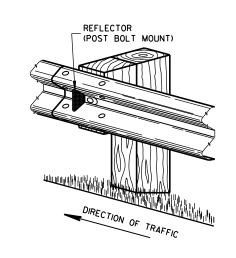


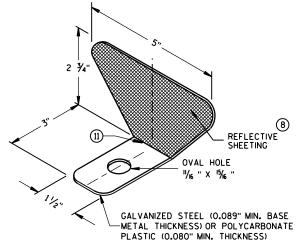
NESTED W BEAM (NW)

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

	9
REFLECTOR	SPACING

	BEAM GUARD	REFLECTOR	NO. SURFACES	MIN. NO.
	LENGTH	SPACING	REFLECTORIZED	REFLECTORS
ONE WAY	< 200'	50' C-C	1	3
TRAFFIC	> 200'	100' C-C	1	
TWO WAY	< 500,	25' C-C 50' C-C	1 10	6
			-	
TWO WAY TRAFFIC	> 500,	50' C-C 100' C-C	2(11)	3





ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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S.D.D. 14 B

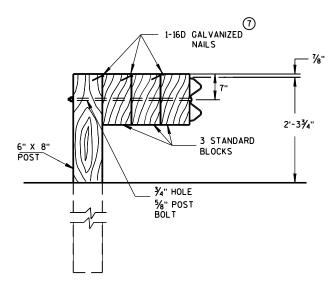
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DETAIL FOR DOUBLE BLOCKS

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

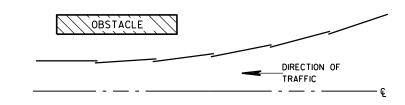


DETAIL FOR TRIPLE BLOCKS

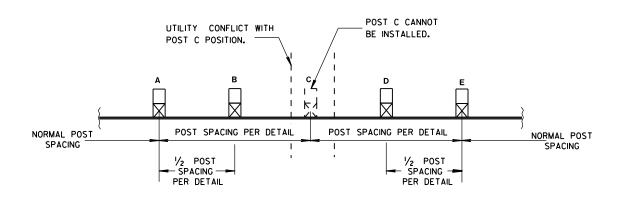
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

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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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

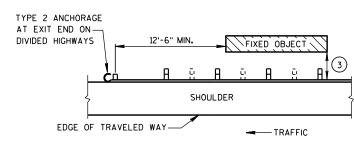
APPROVED

June 2016
DATE
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

D.D. 14 B 15-9c

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BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

GENERAL NOTES

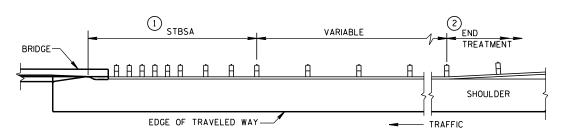
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

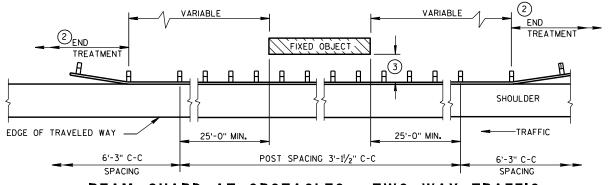
THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

- (1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) SEE CURRENT SDD 14B20.
- 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.

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

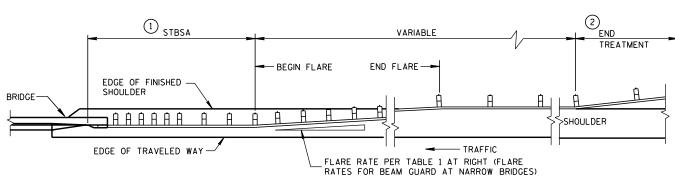


BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

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



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

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

APPROVED	
8-21-07	/S/ Jerry H.Zogg
DATE	ROADWAY STANDARDS DEVELOPMENT
FHWA	ENGINEER

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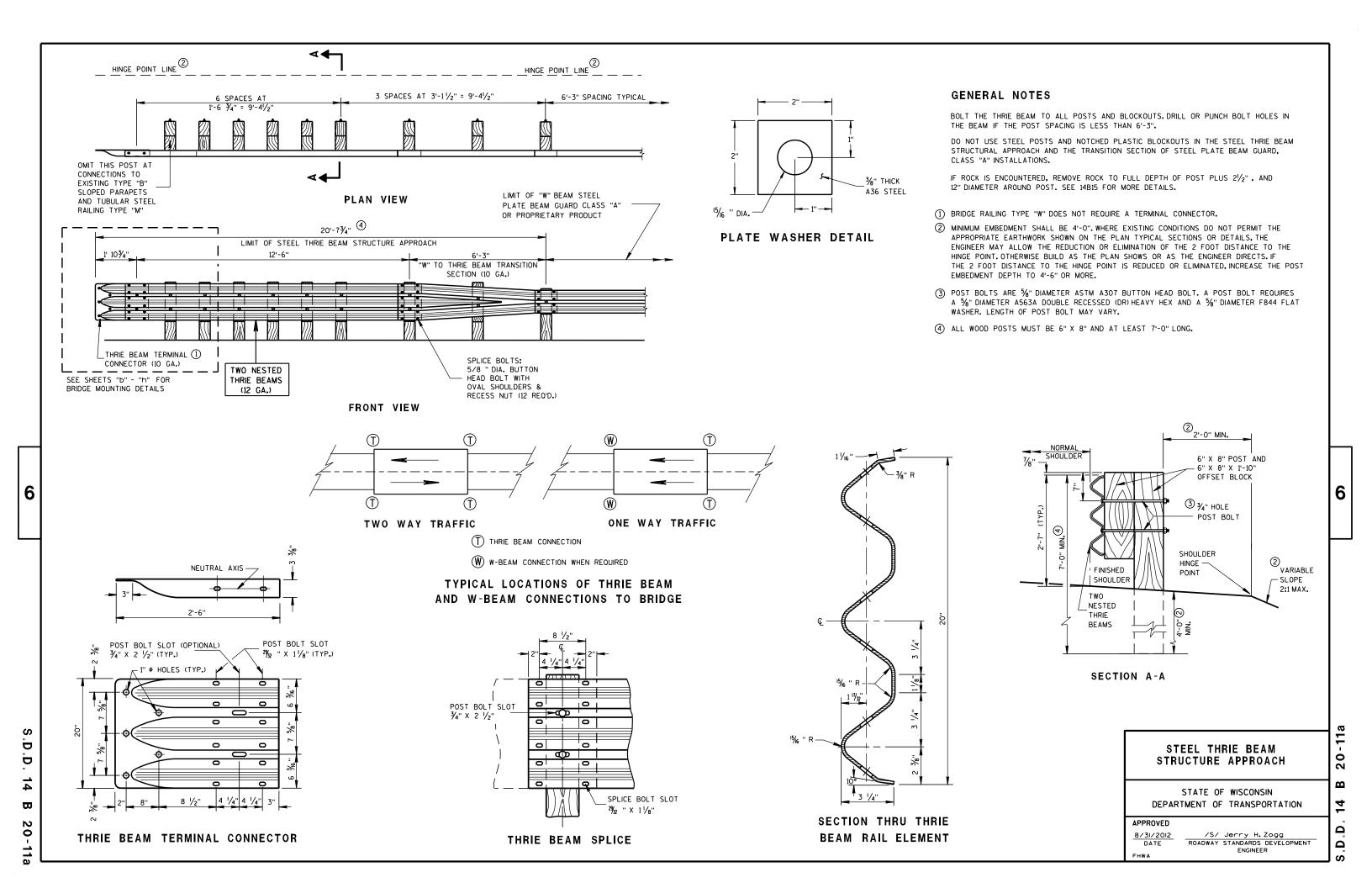
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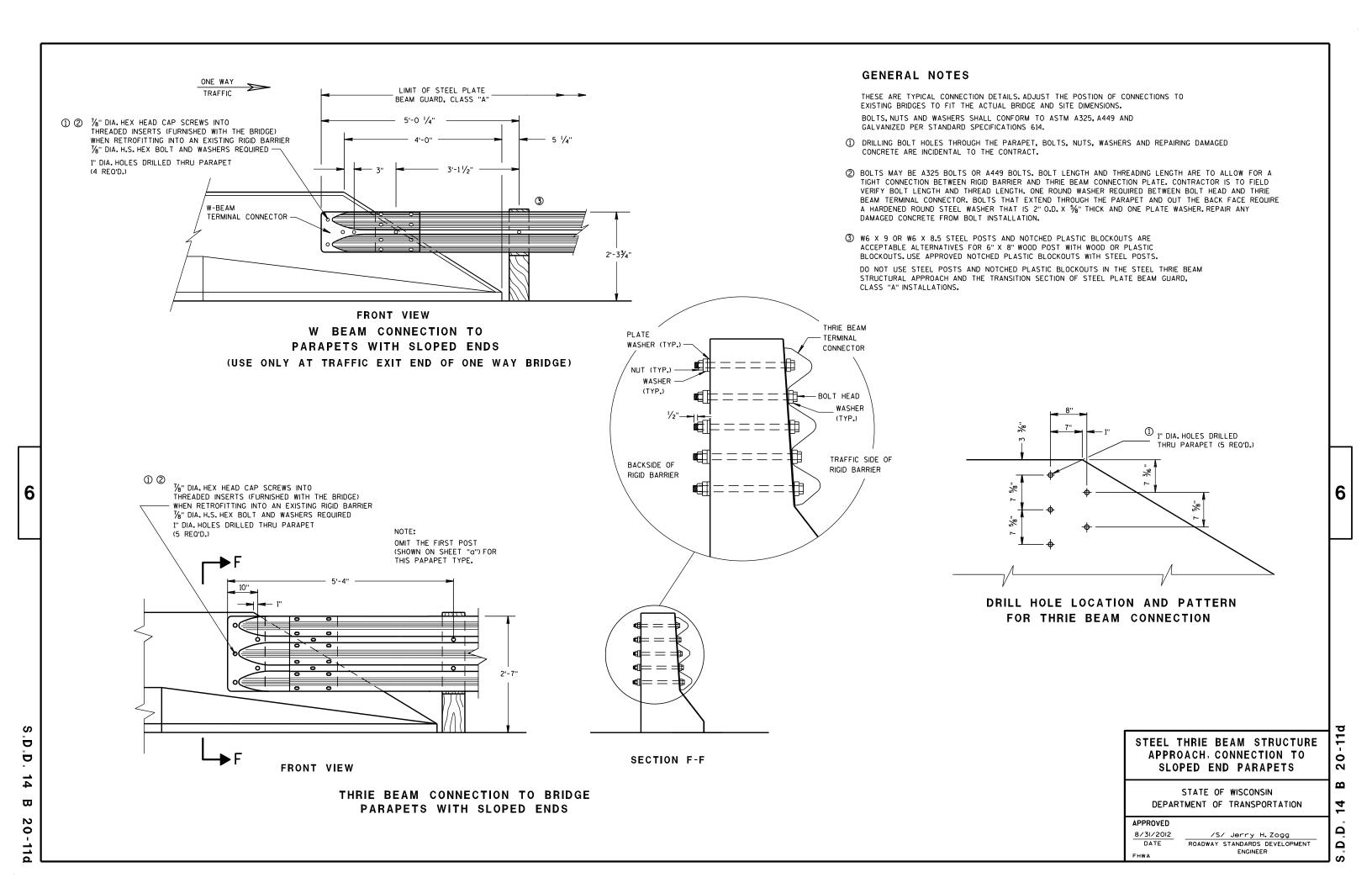
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STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL

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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 D1.1. 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.

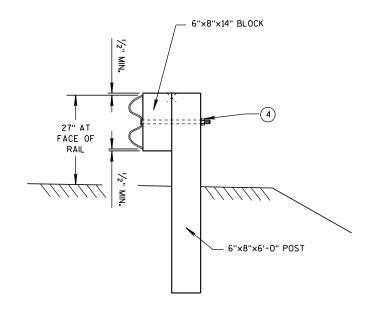
SHOP BEND CURVED RAIL SECTIONS.

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	* NUMBER AND LENGTH OF CURVED RAILS	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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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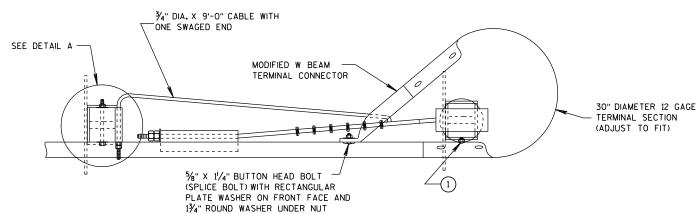
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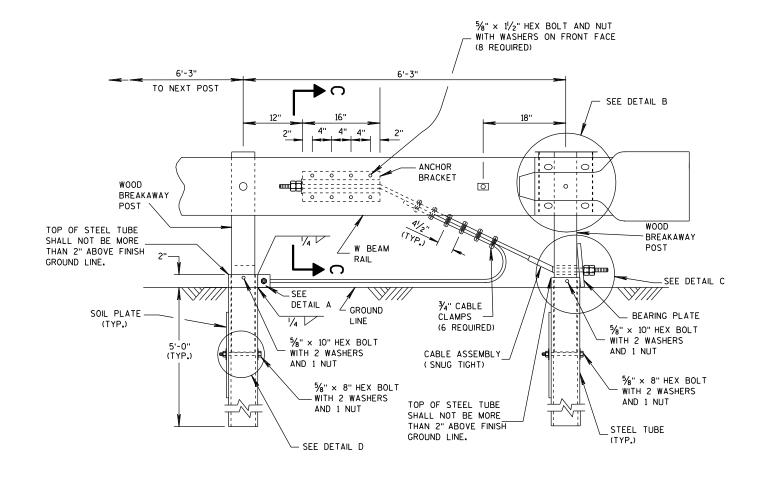
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PLAN VIEW



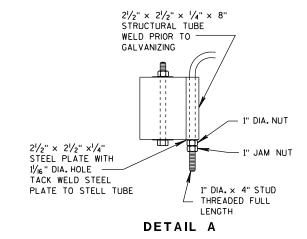
ELEVATION VIEW

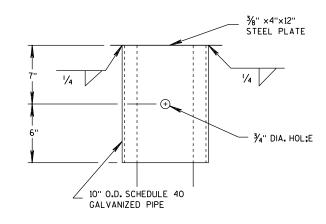
STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL

GENERAL NOTES

ATTACH W BEAM RAIL TO THE STEEL PIPE WITH A 5%" X 2" BUTTON HEAD BOLT WITH NO WASHER. CONNECTION TO THE POST IS NOT REQUIRED.

INSTALL GALVANIZED 3/4" (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.

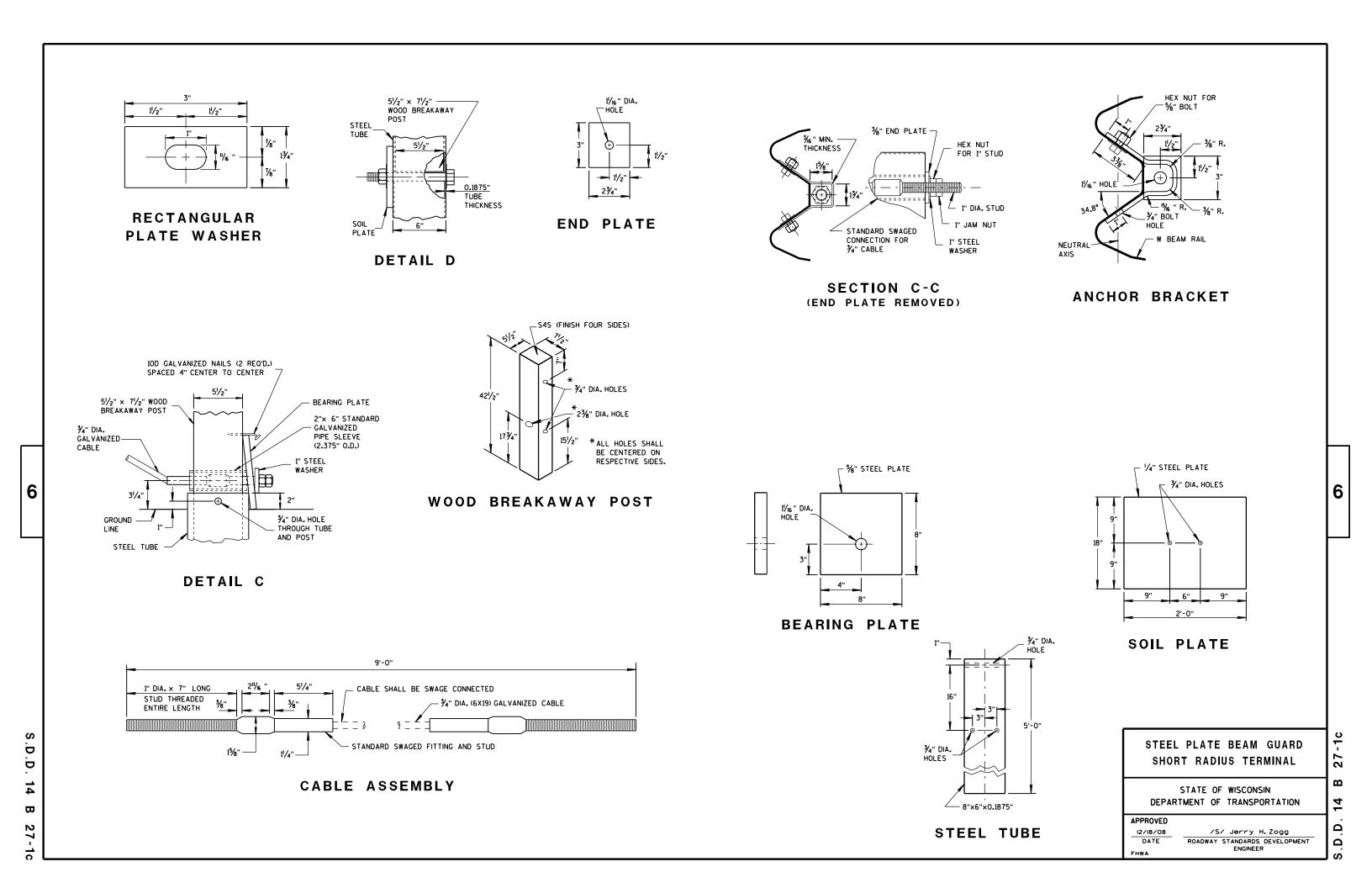




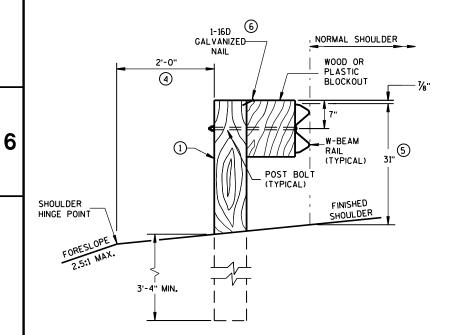
DETAIL B (BEAM GUARD AND TERMINAL SECTION NOT SHOWN)

STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

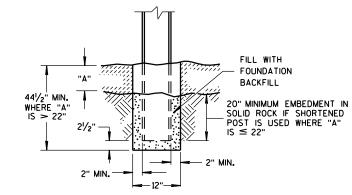


- 2 USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2½ INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- (4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 273/4" TO 32".
- (6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



END VIEW

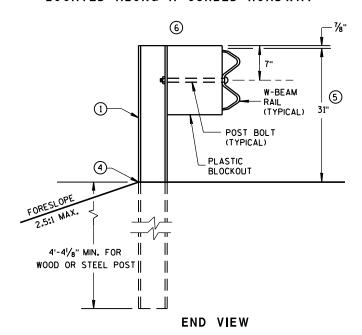
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



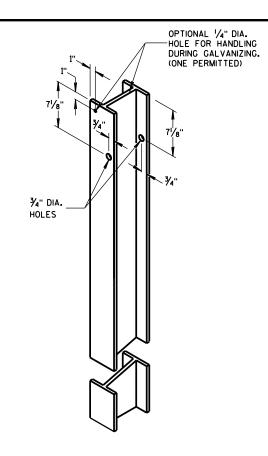
SETTING STEEL OR WOOD POST IN ROCK $^{\scriptsize{\textcircled{3}}}$



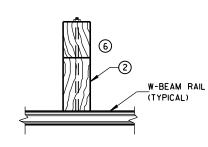
END VIEW
LOCATED ALONG A CURBED ROADWAY



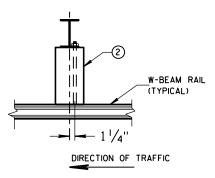
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



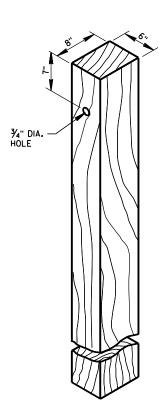
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



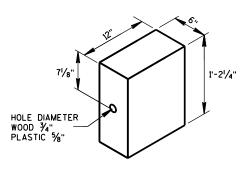
PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



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



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

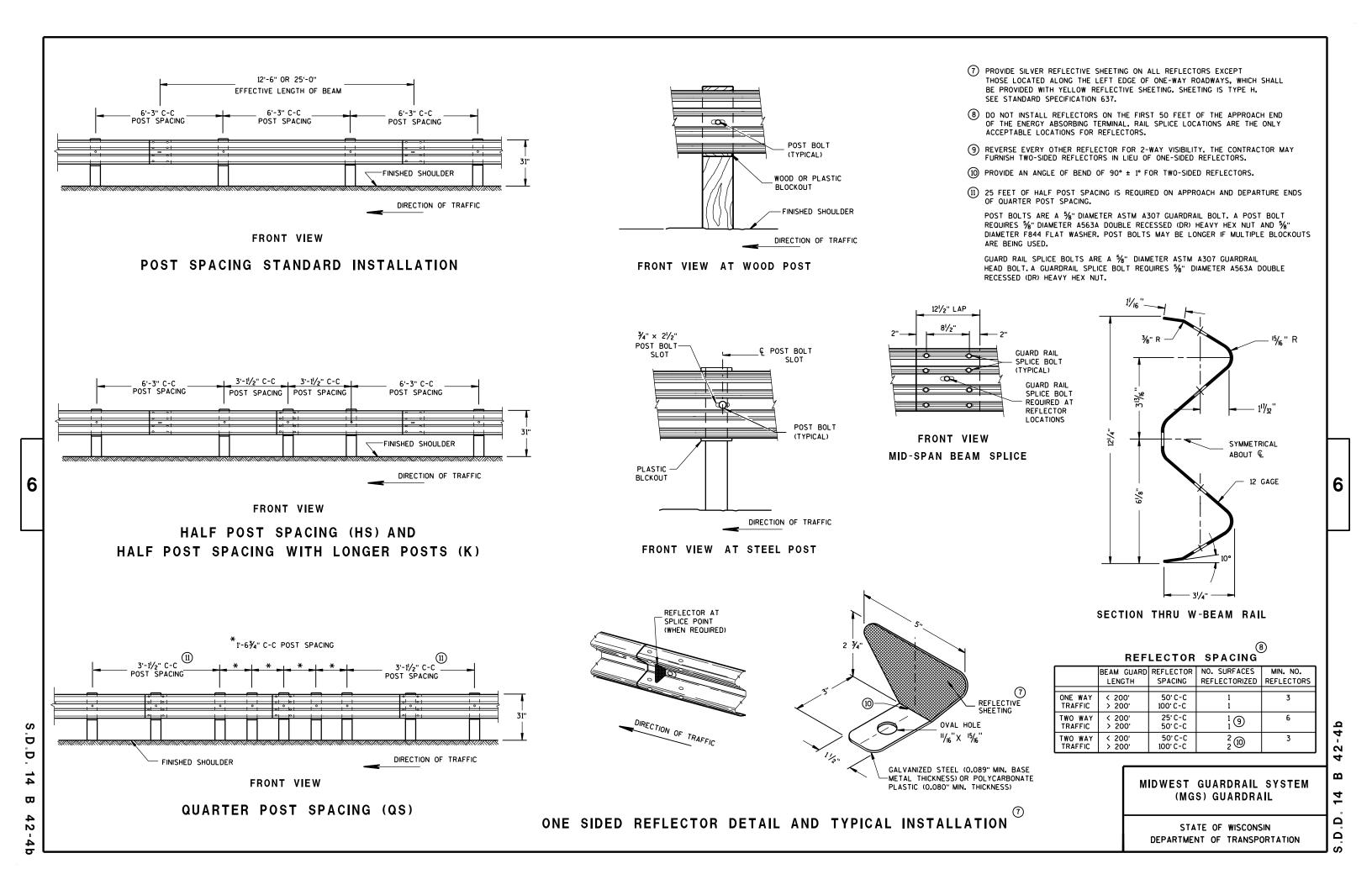
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 B 42-4a

D.D. 14 B

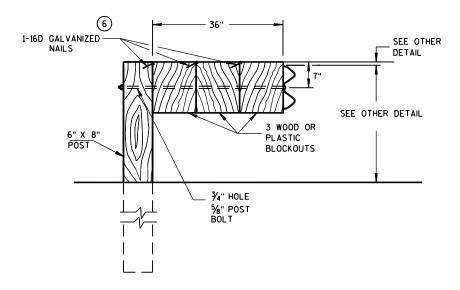
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DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

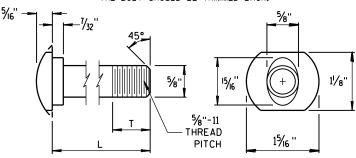


DETAIL FOR 36" BLOCKOUT DEPTH

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

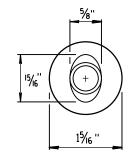
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

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

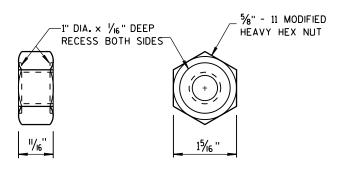


POST BOLT TABLE

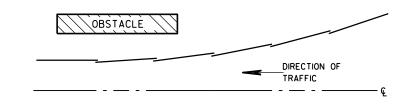
11/8"
1/8
13/4"
4"
4½ ₆ "
4"
41/16"
4"



ALTERNATE BOLT HEAD

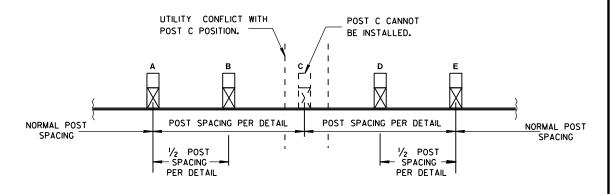


POST BOLT, SPLICE BOLT AND RECESS NUT



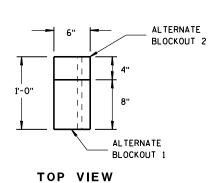
PLAN VIEW

BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

ALTERNATE WOOD **BLOCKOUT DETAIL**

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

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SECTION A-A SECTION B-B

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PLAN VIEW

BILL OF MATERIALS

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



MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

44-2b

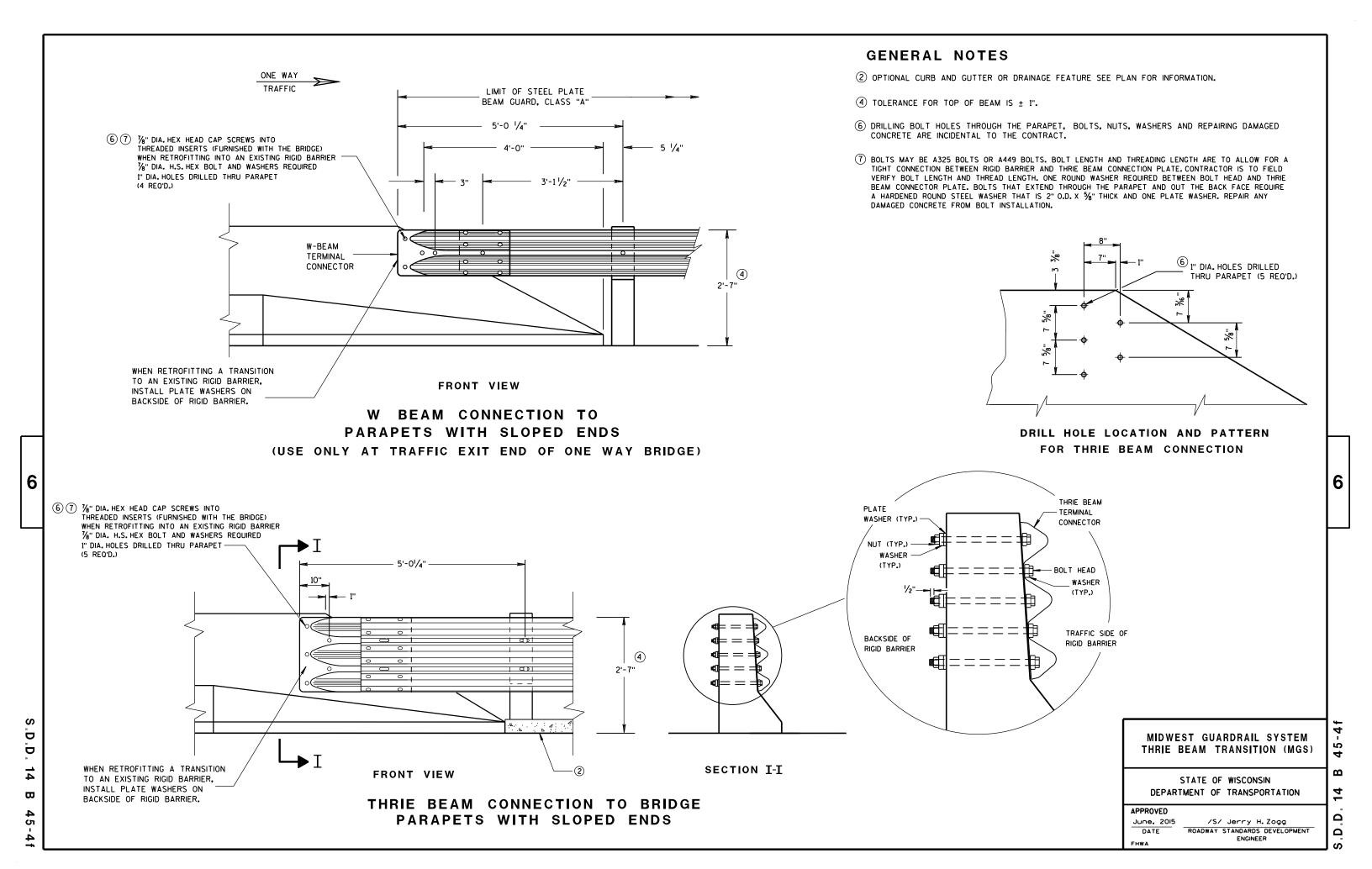
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GENERAL NOTES

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

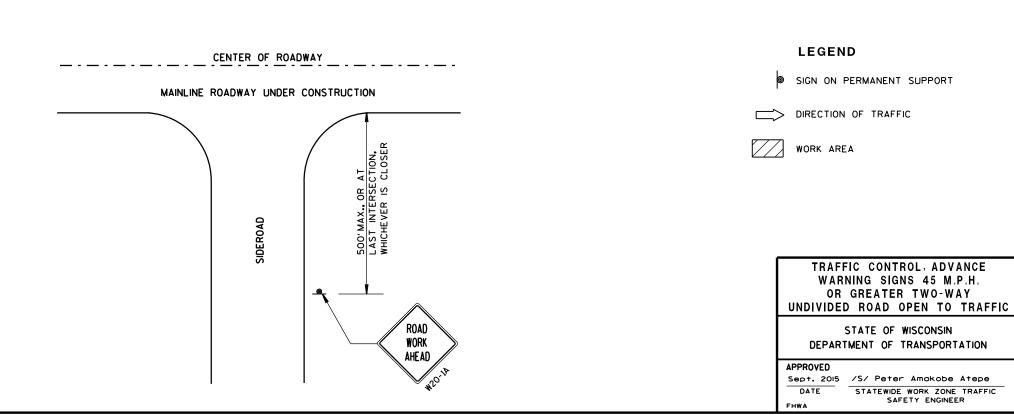
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

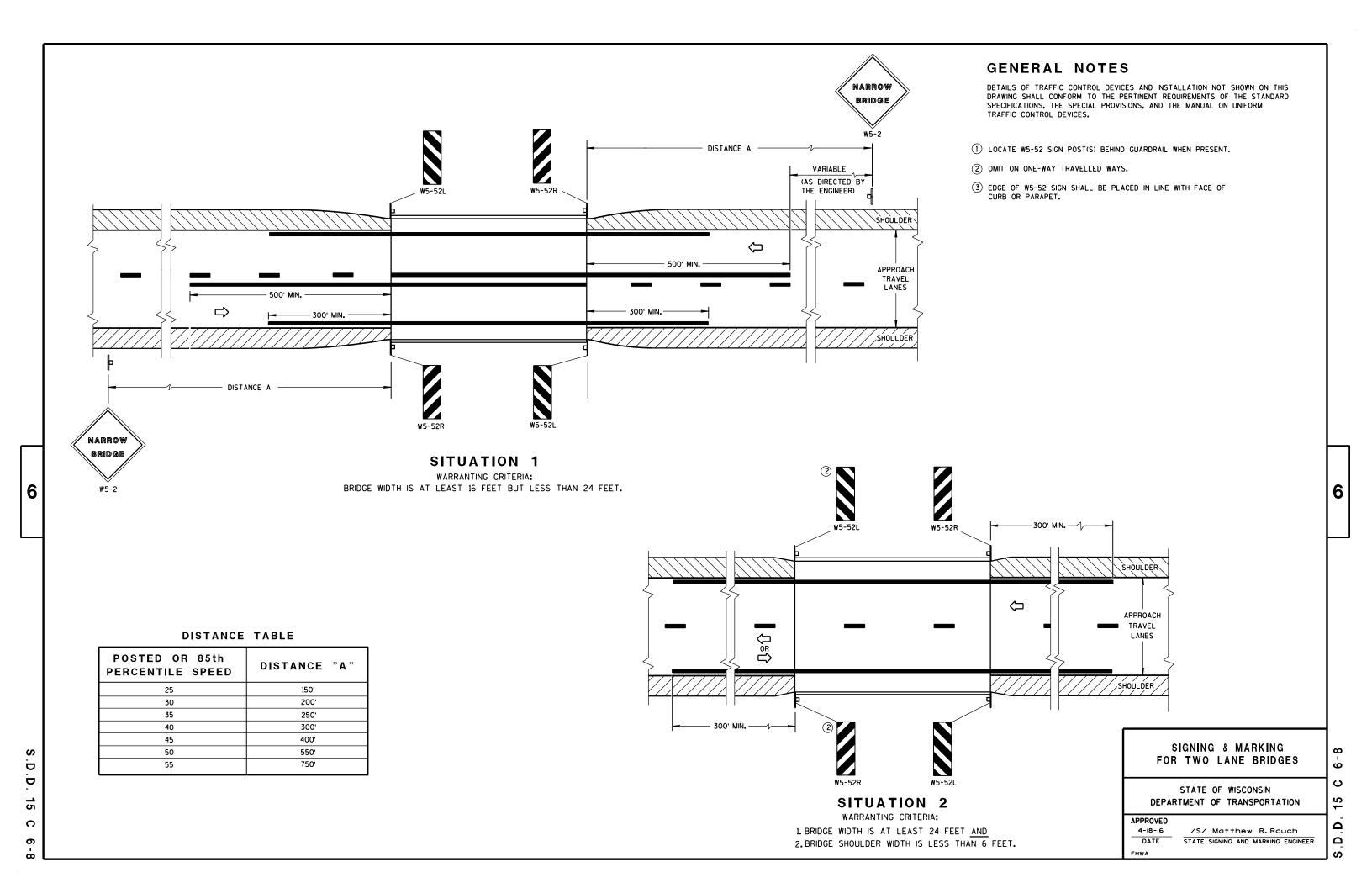
- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- * PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

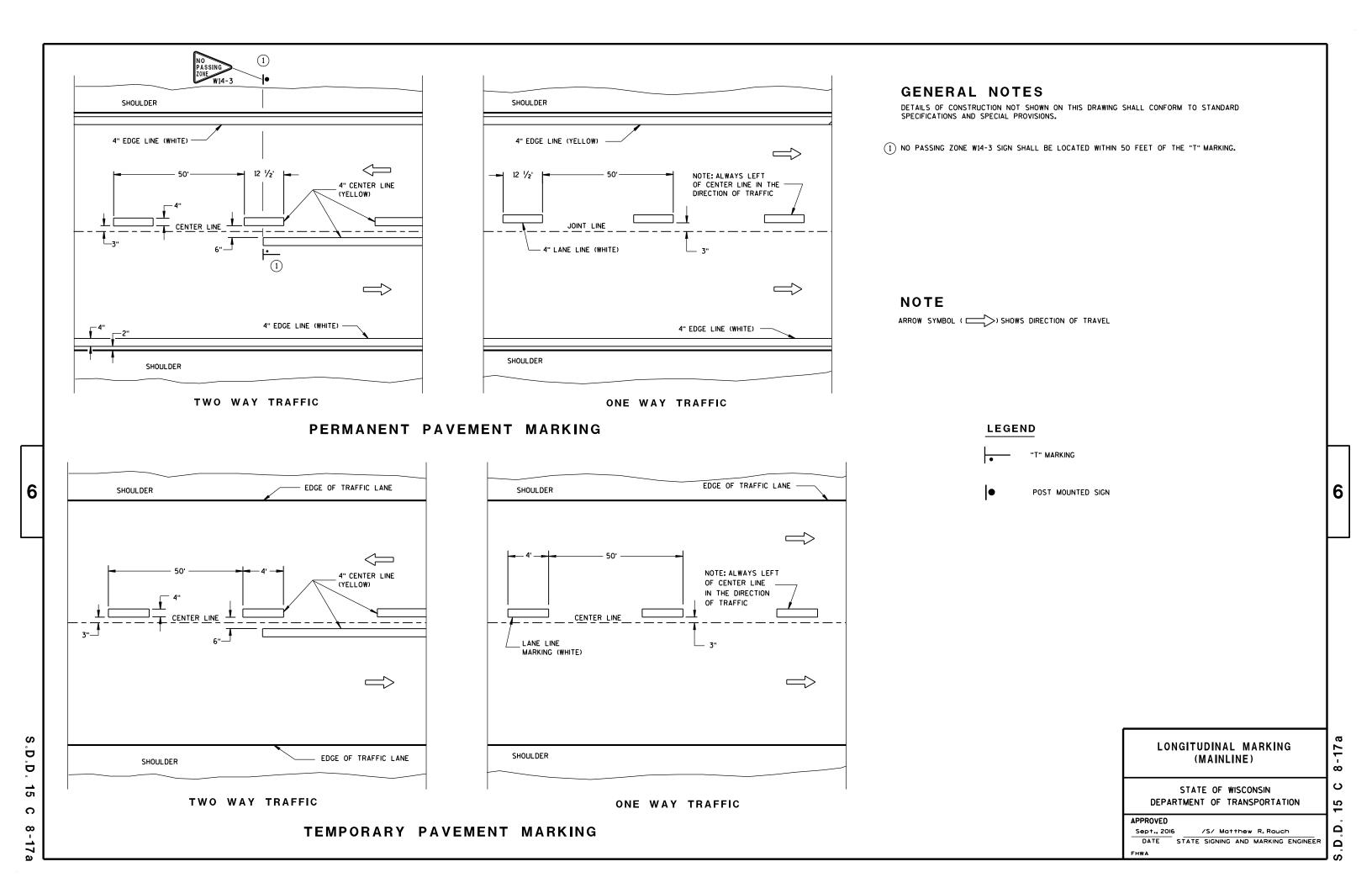


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SAFETY ENGINEER





TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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

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

- * UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.
- 1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Andrew Heidtke WORK ZONE ENGINEER

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FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE FLAGGING OPERATION IS NOT IN EFFECT. REMOVE TEMPORARY ACROSS THE LANE AT LOCATIONS SHOWN. RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE APPROVED SIGNING. December, 2016 FHWA

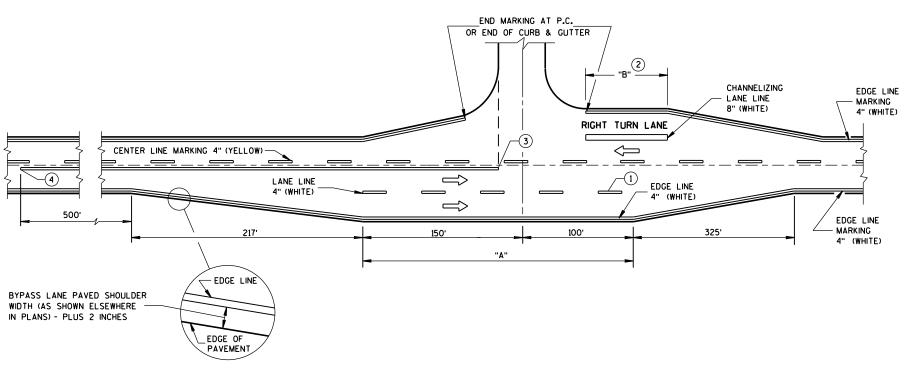
MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

- 1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- 2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- (3) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
- (4) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

ARROW SYMBOL (>>) SHOWS DIRECTION OF TRAVEL



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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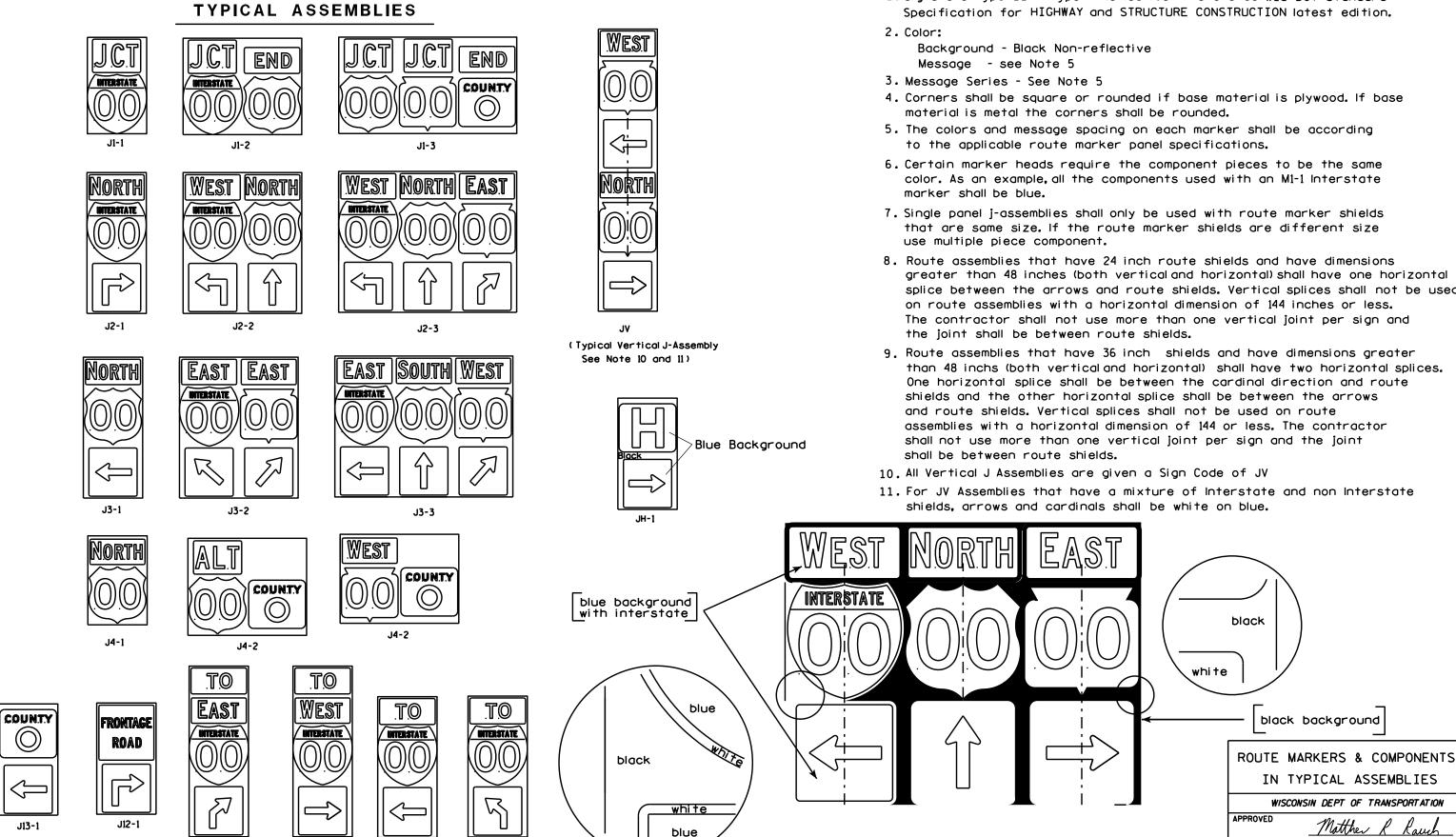
5-1a

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

areater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



PROJECT NO:

J32-1

J22-1

J23-1

J33-1

PLOT BY: mscsja

PLATE NO. __A2-15.8

DATE 2/06/14

SHEET NO:

URBAN ARFA



RURAL AREA (See Note 2)



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



5'-3"(生) D^{-1} Outside Edae of Gravel

White Edgeline Location

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where

there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

HWY:

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

PLOT BY : mscj9h

GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5' - 3'' (\pm)$.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' (\pm).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 7/23/15

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:21

COUNTY:

PLOT NAME :

PLOT SCALE: 99.237937:1.000000

WISDOT/CADDS SHEET 42



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



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

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A2-1S) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8). Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- *** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

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

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

48" DIAMOND WARNING SIGN

HWY:

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

COUNTY:

Outside Edge

of Gravel

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

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

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)		
L	E	
168" and greater	12"	

POST EMBEDMENT DEPTH

of Gravel

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

Matther

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:23

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

PLOT NAME :

PLOT BY: mscj9h

WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

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



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

ATTACHMENT OF SIGNS
TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Nather R Raw
For State Traffic Engineer

DATE <u>8/11/16</u>

PLATE NO. <u>44-8.8</u>

PROJECT NO:

FILE NAME : C:\CAFfiles\Projects\tr stdplote\A48 DCN

PLOT DATE . 11-416-2016 11:35

PINT RY * \$\$ nintuser \$\$

SHEET NO:

| | |



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

DATE 2/05/15

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

For State Traffic Engineer

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES





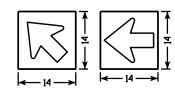




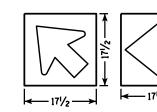








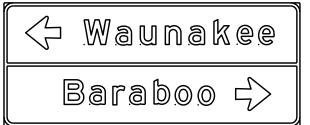


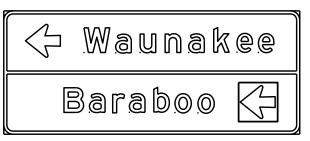


BEFORE

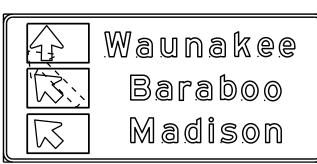


8 | 10"/6









GENERAL NOTES

- Materials shall conform to Standard Specification Section 637.
 Base Sheet Aluminum 0.040" Thickness
 Sheeting Orange Type F Reflective
 Arrow Black Non-Reflective
- 2. Arrow signs shall be fastened to permanent sign by either aluminum rivets or aluminum self-tapping sheet metal screws.

 There shall be a minmum of 2 fasteners used per arrow sign.
- 3. There shall be a spacer consisting of a 0.08" nylon washer between the back of the arrow sign and the face of the permanent sign.
- 4. Arrows are per standard plate A1-2
- 5. Use separate arrow sign for each destination
- 6. Tilt arrow is always at 45 degrees
- 7. Arrow is centered on arrow sign

Lower Case Copy Size	Width Tilt Arrow (Single Cover		3 Line Tilt Arrow Cover Width	Height	
3¾" Series C	8	9 ½	14 1/2	8	
4½" Series D & E	9 1/2	10	15	9 ½	
6" Series D & E	14	16	20 1/2	14	
8" Series E	17 1/2	20 ½	25	17 1/2	

DESTINATION DIRECTIONAL ARROW
FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

FFROVED

Matthew R Lauch

For State Traffic Engineer

PLATE NO. A4-12.2

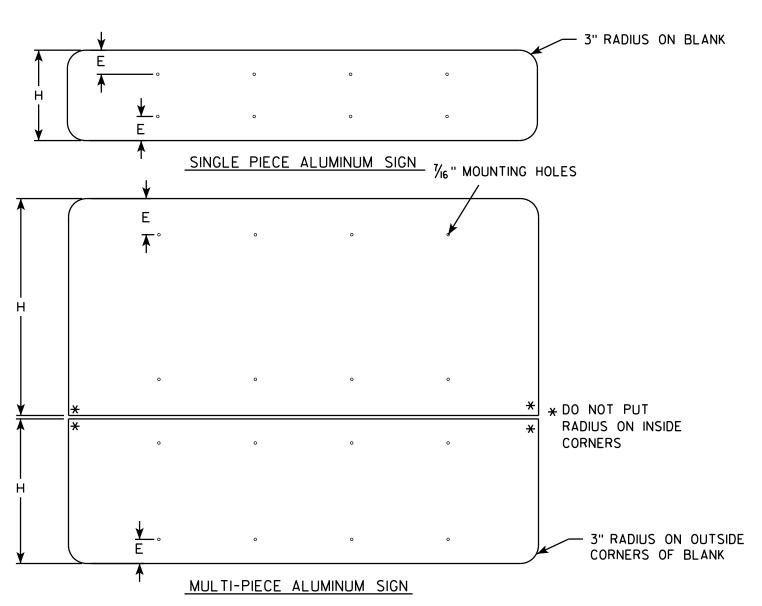
DATE 10/08/14 PLATE
SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A412.DGN

PROJECT NO:

PLOT DATE: 08-OCT-2014 11:50

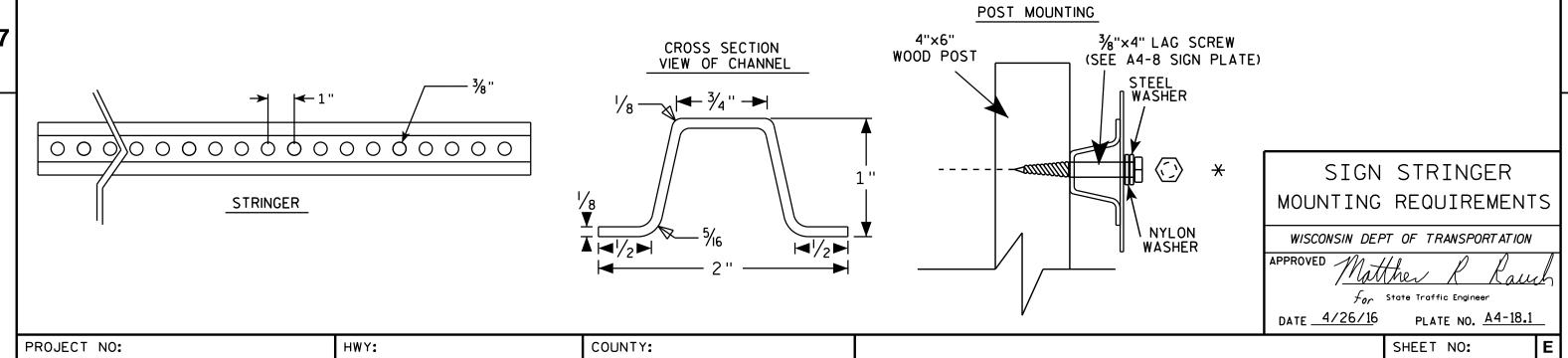
PLOT BY:



GENERAL NOTES

- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE $\frac{7}{16}$ " DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING				NTING OLES			
78"	72"	2	16''	15''	31''	47''	63"			
84''	72"	2	17''	161/2"	331/2"	501/2"	6 7 1/21			
90"	7 2"	2	18''	18''	36''	54''	72''			
96"	90"	2	19"	191/2"	381/2''	571/2"	761/21			
102"	90"	2	20"	21''	41''	61''	81''			
108''	90"	2	21''	221/21	' 43 ^l / ₂ ''	641/2"	851/21	1		
114''	108''	3	15''	12''	2 7 ''	42"	5 7 "	7 2"	87"	102"
120''	108''	3	16''	12''	28''	44''	60"	76"	92"	108''
126"	108''	3	17''	12''	29"	46''	63"	80"	97"	114''
132"	126''	3	18''	12''	30"	48"	66"	84"	102"	120''
138''	126''	3	19''	12''	31''	50"	69"	88"	107''	126"
144''	126''	3	20"	12''	32"	52"	72"	92"	112''	132"



PLOT BY: mscj9h

HWY:

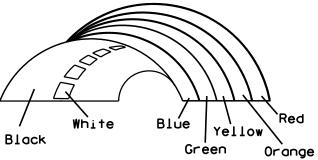
Background Colors of Symbol*

Z F Z

A F X A

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* VARIES



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

COUNTY:

NOTES

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

Background - White Message - (See Note 5)

- 3. Message Series (See Note 6)
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Border Blue

Line 1 - Red

Line 2 - Black

Line 3-5 - Blue

6. Line 1 - Dutch 8011L

Line 2 - Series E

Line 3-5 - Series C

7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

STANDARD SIGN I55-56

For State Traffic Engineer

DATE 4/27/11 PLATE NO. 15!

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

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\I5556.DGN

PROJECT NO:

PLOT DATE: 27-APR-2011 10:05

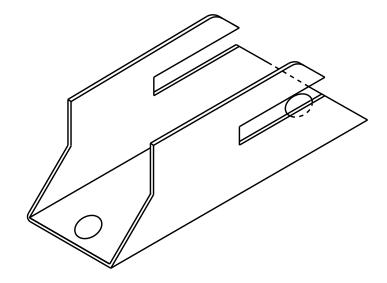
PLOT BY: mscj9h

PLOT NAME :

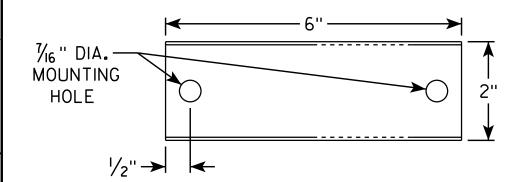
PLOT SCALE: 7.945391:1.000000

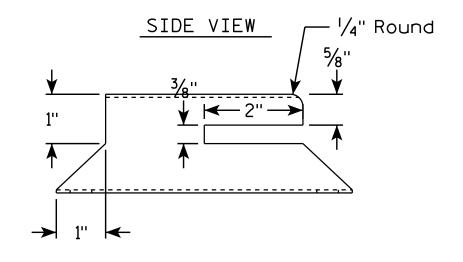
945391:1.000000 WISDOT/CADDS SHEET 42

ISOMETRIC VIEW



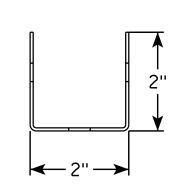
TOP VIEW





HWY:

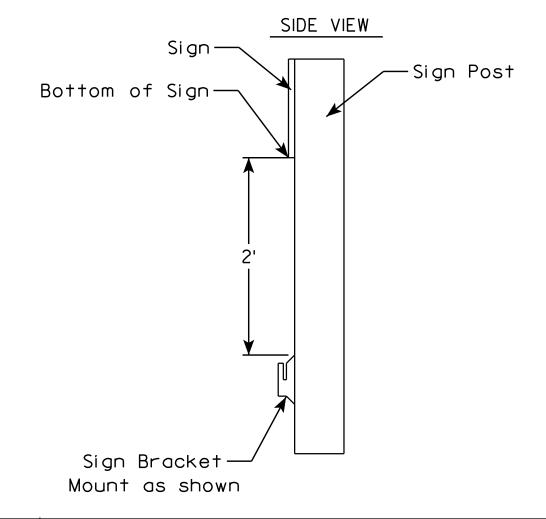
END VIEW



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.



SHEET NO:

PROJECT NO:

PLOT BY : mscj9h

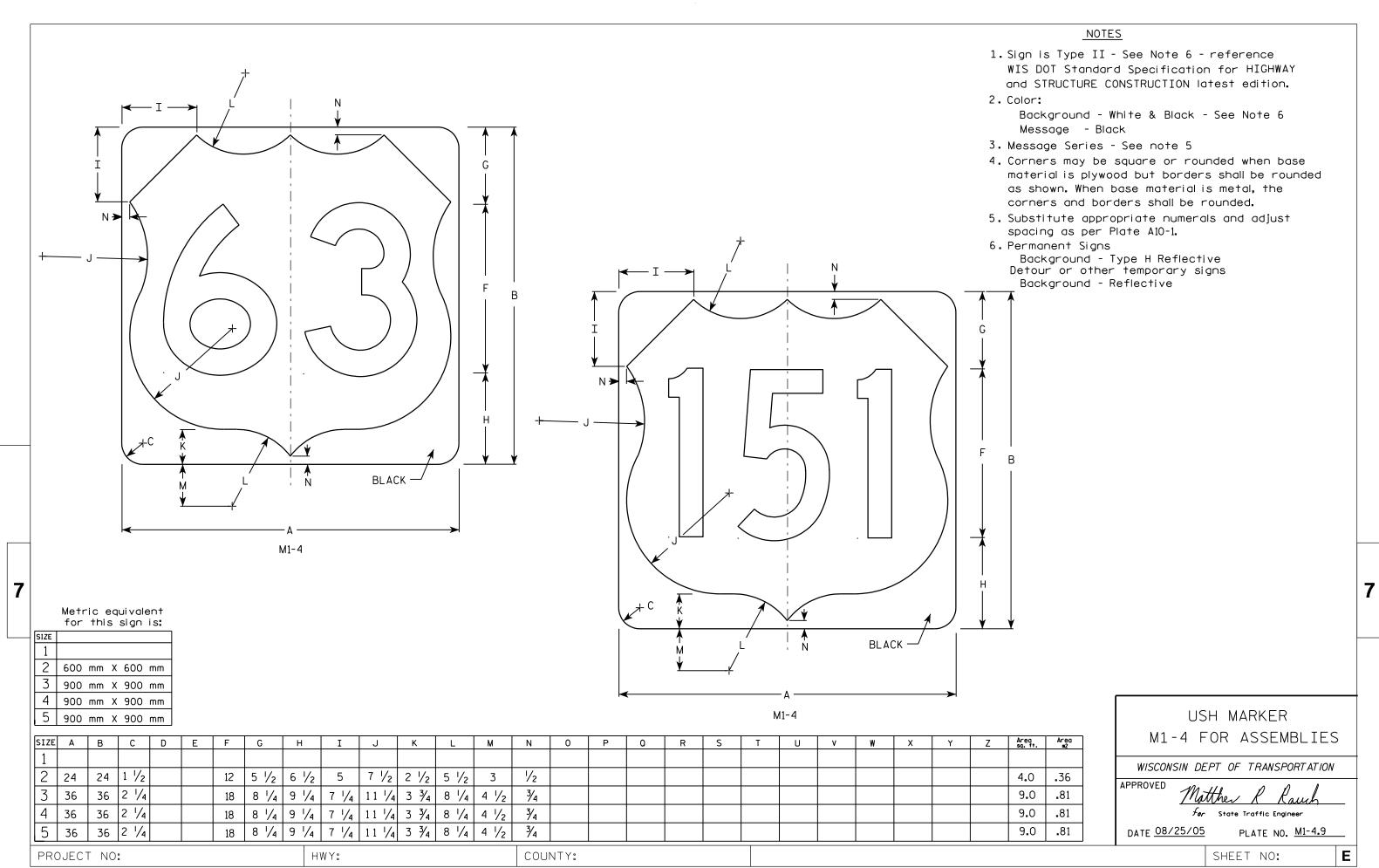
DATE 4/26/16

PLATE NO.155-56B.2

ROLLUP SIGN BRACKET

155-56B

WISCONSIN DEPT OF TRANSPORTATION



FILE NAME : C:\Users\Projects\tr_stdplate\M14.DGN

- 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

		F A H H H
Metric equivalent for this sign is:	M1 - 6	

HWY:

PROJECT NO:

900 mm X 900 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	Х	Υ	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 ½	10 1/4	2 1/2	8 %	11 1/2	1	1 %	11 1/4	21 1/8											4.0	. 36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 ½	2 1/8	16 1/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 ¾	5 3/8	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 ½	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 Spang

For State Traffic Engineer

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

SHEET NO:

PLOT NAME :

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

Background - See note 5 Message - See note 5

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

Message - Black

MB2-1 Background - Blue

Message - White

MK2-1 Background - Green

Message - White

MM2-1 Background - White

Message - Green

MN2-1 Background - Brown

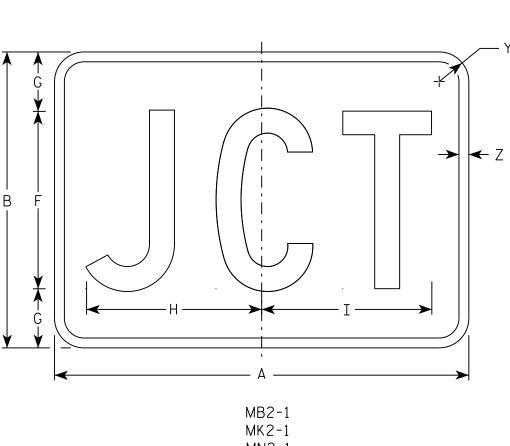
Message - White

MP2-1 Background - White

Message - Blue

MR2-1 Background - Brown

Message - Yellow



MN2-1

MR2-1

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

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch f_{or} State Traffic Engineer

DATE 10/15/15

PLATE NO. M2-1.12 Ε

SHEET NO:

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

PROJECT NO:

M2-1

HWY:

MM2-1

MP2-1

PLOT DATE . 01-DEC-2015 17:54

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

PLOT SCALE • 4 864603•1 000000







MP3-1









HWY:



NOTES

- 1. All Signs Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

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

5. M3-1 thru M3-4 Background - White Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

6. Note the first letter of each direction is larger than the remainder of the message.

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

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

Ε

SHEET NO:

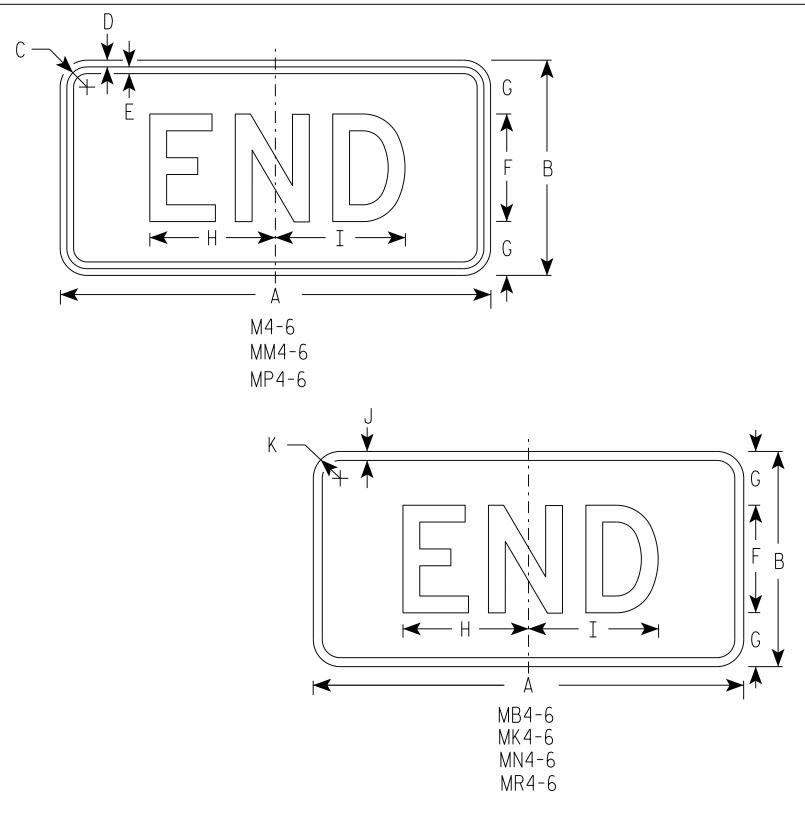
FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

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

PLOT SCALE . 11 675051.1 000000



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

Background - See note 5 Message - See note 5

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M4-6 Background White

Message - Black

MB4-6 Background - Blue

Message - White

MK4-6 Background - Green

Message - White

MM4-6 Background - White

Message - Green

MN4-6 Background - Brown

Message - White

MP4-6 Background - White

Message - Blue

MR4-6 Background - Brown

Message - Yellow

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	٥	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5

STANDARD SIGN M4 - 6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Kaus For State Traffic Engineer

DATE 10/15/15 PLATE NO. M4-7.9

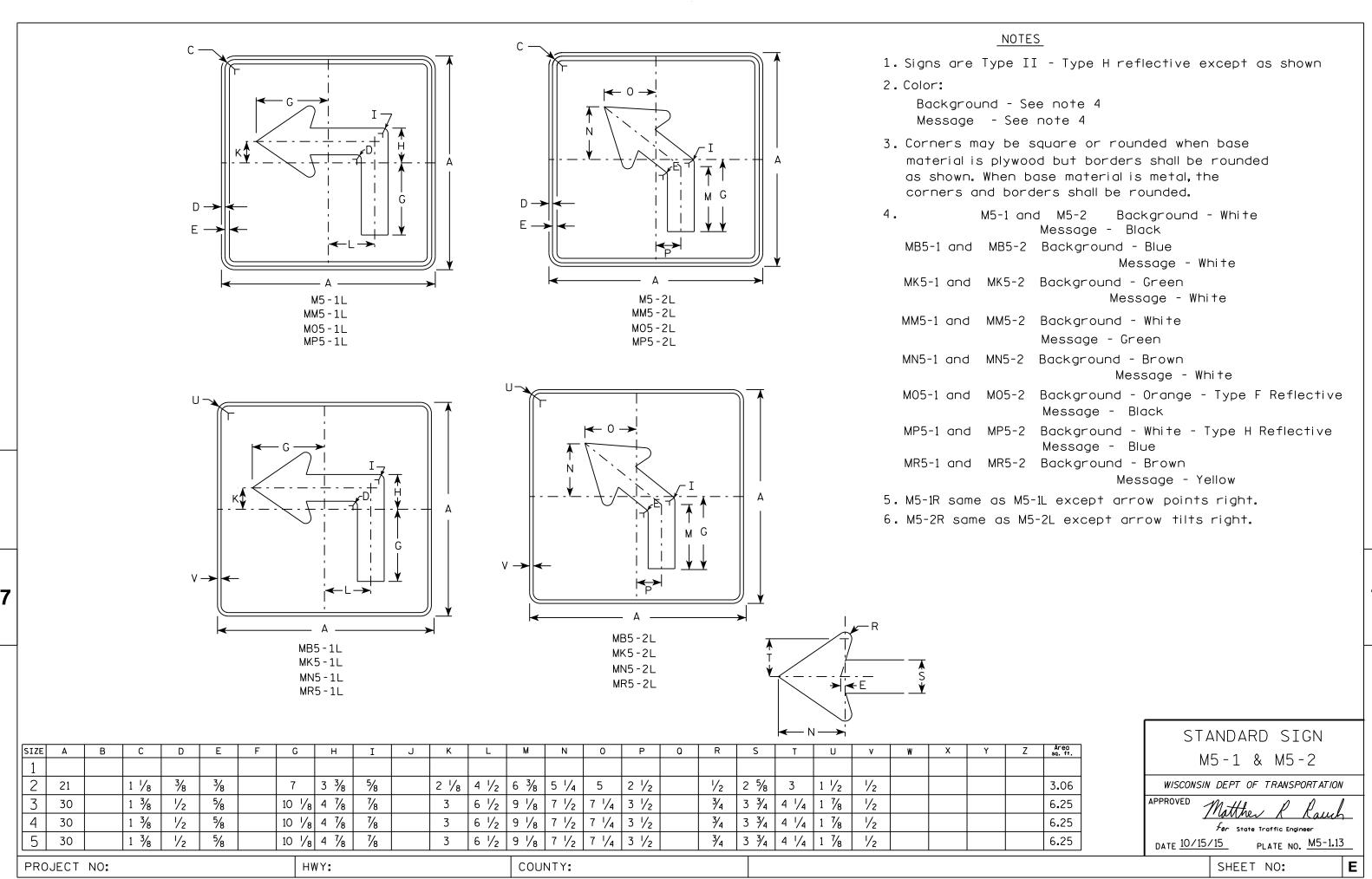
SHEET NO:

FILE NAME . C.\CAFfiles\Projects\tr stdblote\M46 DGN

PLOT DATE . 01-DEC-2015 17.55

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

PLOT SCALE . 5 351066.1 000000



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

PLOT DATE . 01-DEC-2015 18:07

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

PLOT SCALE . 11 675051.1 000000







MR6-1

HWY:



NOTES

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

Background - See note 4 Message - See note 4

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

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

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

Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	٥	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1 1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 %	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawl For State Traffic Engineer

Ε

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

SHEET NO:

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

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:57

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

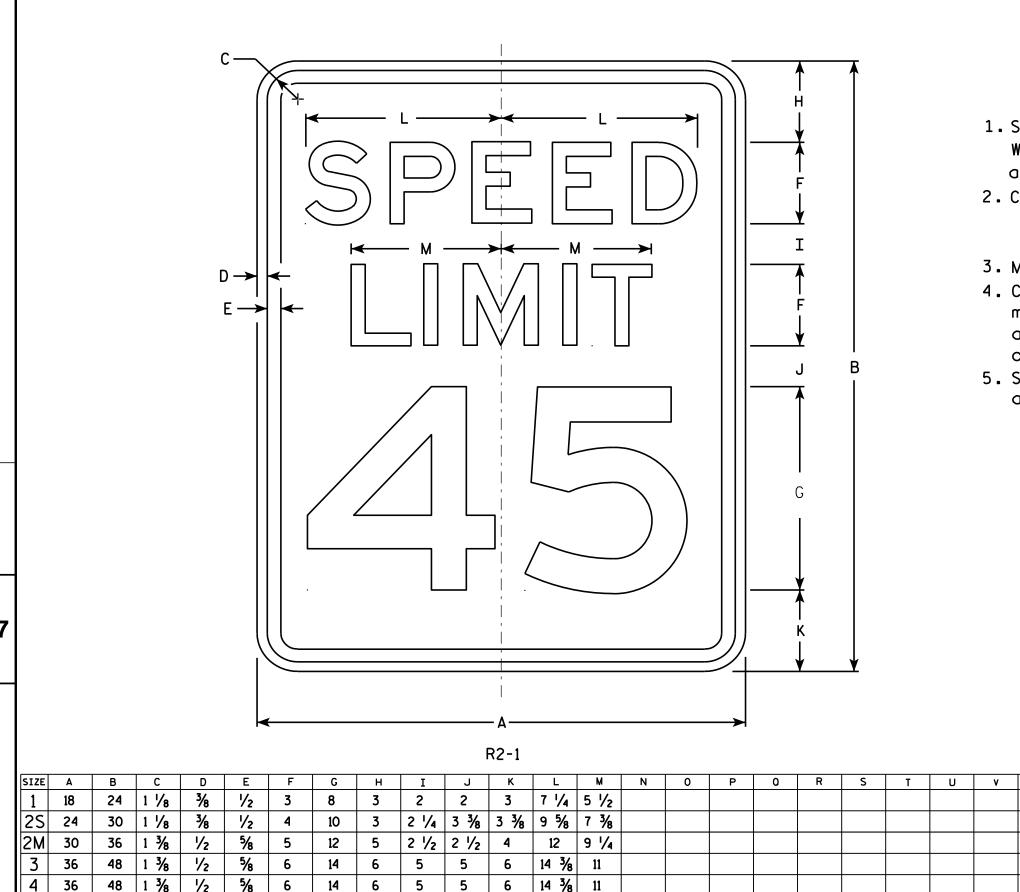
PLOT SCALE . 11 675051.1 000000

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

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

PLOT DATE . 01-DEC-2015 18:07

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



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

COUNTY:

20

HWY:

6

NOTES

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

Background - White Message - Black

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

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION APPROVED

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

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

SHEET NO:

2 1/4

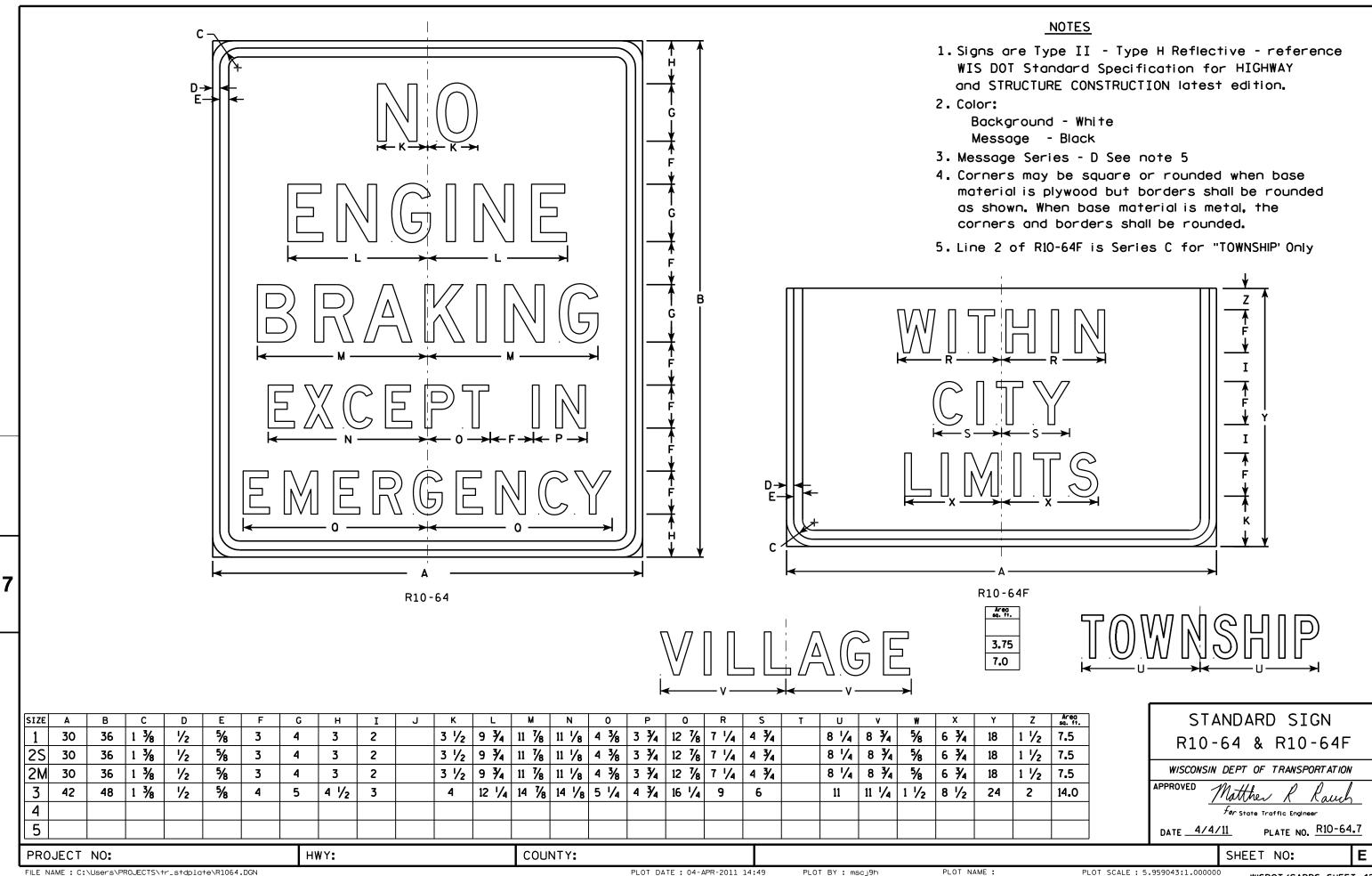
60

5

48

PROJECT NO:

PLOT NAME :

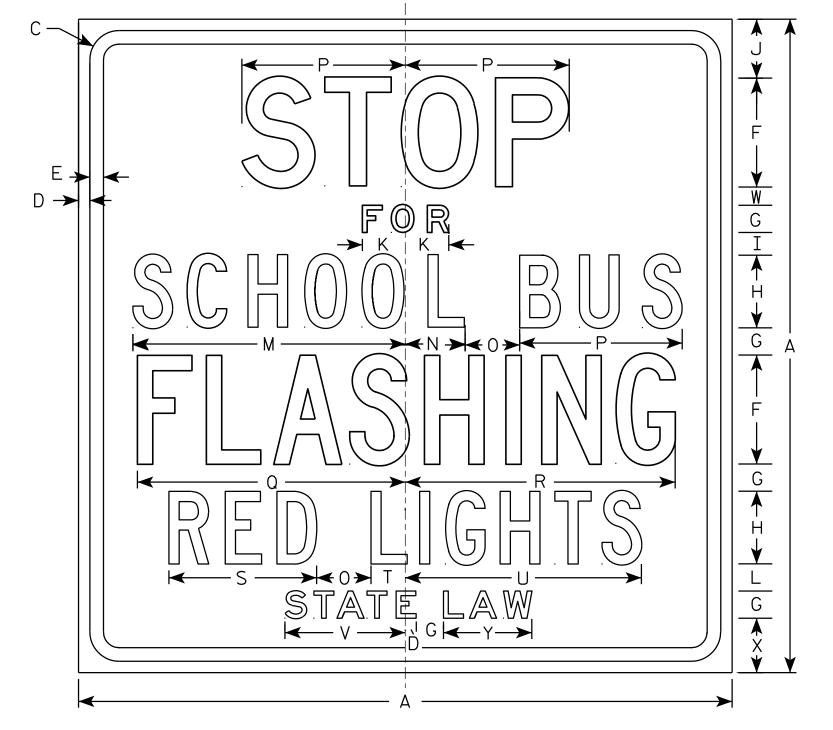


FILE NAME : C:\Users\PROJECTS\tr_stdplate\R1064.DGN

PLOT DATE: 04-APR-2011 14:49

PLOT NAME :

PLOT SCALE: 5.959043:1.000000



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

Background - White Message - Black

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Line 1 is Series D
 Lines 2 & 6 are Series E
 Line 3,4 & 5 are Series C

R59-51

SIZE	Α	В	C	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	V	W	X	Y	Z'	Area sq. ft.
1																											
25	36		1 %	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 %	8 1/8	1 %	13	6 %	1	3	4 %		9.0
2M	36		1 %	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 %	8 1/8	1 %	13	6 %	1	3	4 1/8		9.0
3	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 %	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
4	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 %	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
5																											
		•		•	•				-					•	-		•	•	_	•	•	•					

COUNTY:

STANDARD SIGN R59-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

For State Traffic Engineer

DATE 3/30/11 PLATE NO. R59-51.10

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R5951.DGN

HWY:

PROJECT NO:

30-MAR-2011 09:59

PLOT DATE: 30-MAR-2011 09:59

PLOT NAME :

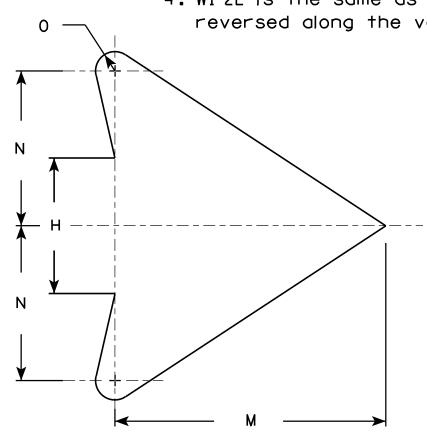
PLOT BY: mscj9h

PLOT SCALE: 5.287650:1.000000

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

Background - 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.



								W	1-2R													<u> </u>	11011	DLIA	<u></u>		
SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	M	N	0	Р	0	R	S	Т	U	v	W	×	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
25	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
2M	36		1 %	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
					•	·		•	•							l		•					•				•

COUNTY:

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch For State Traffic Engineer

DATE <u>5/15/12</u>

PLATE NO. W1-2.10

SHEET NO:

PROJECT NO:

← H →

HWY:

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

Background - Yellow Message - Black

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

c	
	G
K I	_ ¥ B
$\left[\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
W1-6	

SIZE		Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1		36	18	1 1/8	3⁄8	3/8		9	10	¾	5 %	4 3/4	2 3/8	14 %	29 1/4													4.5
2S	, 4	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	4	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	(60	30	1 %	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	-	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	9	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

COUNTY:

STANDARD SIGN W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Ma

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

SHEET NO:

PROJECT NO:

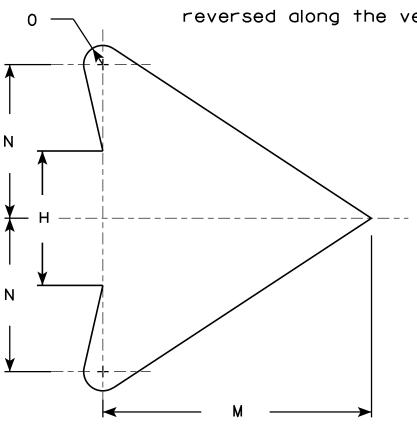
HWY:

PLOT NAME :

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

Background - 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. W1-10L is the same as W1-10R except the arrow is reversed along the vertical centerline.



ARROW	DET	AIL

SIZE	Δ	В	С	D	E	F	G	Н	I	7	К	L	M	N	0	Р	0	R	S	T	U	v	W	X	Y	Z	Areo sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2	2 %	6 %	2 1/8	4 1/2	45°							4.0
25	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 %	2 1/4	3	9 1/8	8 ¾	5	5/8	3 %	8	2 %	5 ¾	45°							6.25
2M	36		1 %	5/8	3/4		12 3/8	5 1/4	6 ¾	2 %	3 1/2	10 1/8	10 1/2	6	3/4	4	10	3 1/4	6 %	45°							9.0
3	36		1 %	5/8	3/4		12 3/8	5 1/4	6 ¾	2 %	3 1/2	10 1/8	10 1/2	6	3/4	4	10	3 1/4	6 %	45 °							9.0
4	36		1 %	5/8	3/4		12 3/8	5 1/4	6 ¾	2 %	3 1/2	10 1/8	10 1/2	6	3/4	4	10	3 1/4	6 %	45°							9.0
5	48		2 1/4	₹4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1	5	13 1/4	4 1/4	9 1/8	45°							16.0

COUNTY:

W1 - 10

STANDARD SIGN

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer DATE <u>5/17/12</u> PLATE NO. W1-10.3

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W110.DGN

PROJECT NO:

.|← H →|← P→

HWY:

W1-10R

PLOT DATE: 17-MAY-2012 10:14

PLOT BY: mscsja

PLOT SCALE: 6.251989:1.000000

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

Background - 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.

W2-2

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	P	0	R	S	T	C	٧	W	X	Y	Z	Areo sq. 11.
1	24		1 1/8	3∕8	1/2	20	2	4	10	8																	4.0
25	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		1 5/8	5/8	3/4	30	3	6	15	12																	9.0
4	48		2 1/4	3/4	1	40	4	8	20	16																	16.0
5																											

COUNTY:

STANDARD SIGN W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch For State Traffic Engineer

SHEET NO:

DATE 5/29/12

PLATE NO. <u>W2-2.6</u>

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W22.DGN

PROJECT NO:

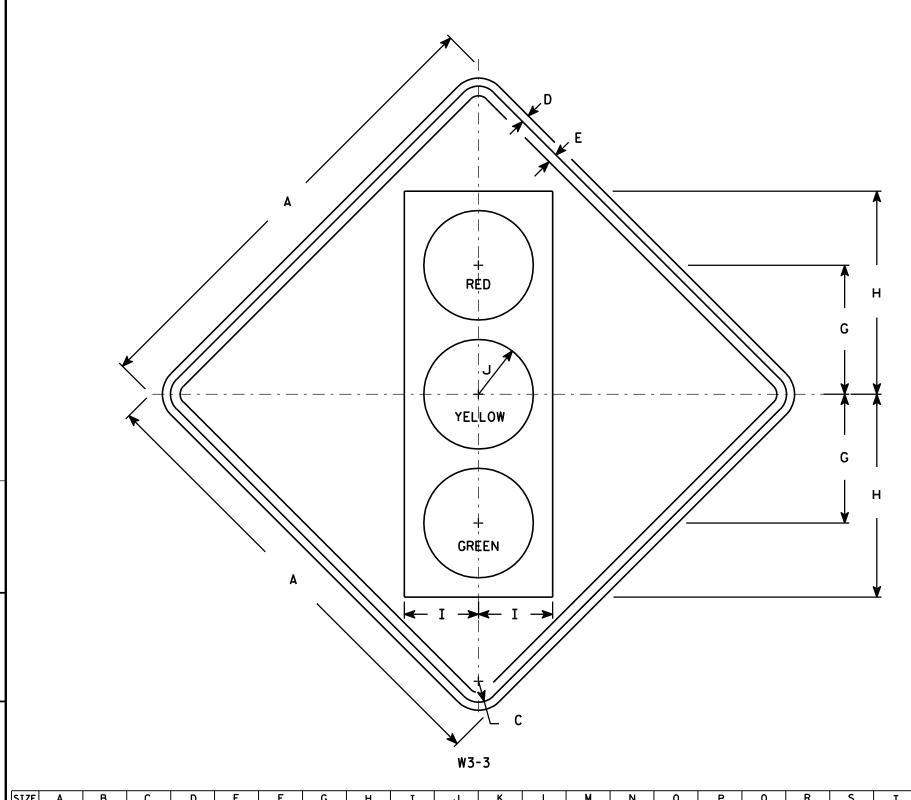
HWY:

PLOT DATE: 29-MAY-2012 10:18

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 6.202372:1.000000



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

Background - Yellow 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. Symbol and border are non-reflective black. Top circle - Type H Reflectorized Red Center circle - Same as background Bottom circle - Type H Reflectorized Green

SIZE Α 1 3/8 1/2 13 3/4 5 5/8 8 3/4 3 3/4 30 6.25 25 1 % 5/8 15 3/4 5 3/4 4 1/4 36 3/4 9.0 2M 15 3/4 5 3/4 4 1/4 36 1 % 5/8 9.0 3 36 1 % 5/8 15 3/4 5 3/4 4 1/4 9.0 3/4 4 12 1/2 20 7 1/2 5 48 2 1/4 16.0 12 1/2 5 20 7 1/2 5 48 2 1/4 16.0

COUNTY:

STANDARD SIGN W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED _____

DATE 6/7/10 PLATE NO. W3-3.11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN

HWY:

PROJECT NO:

PLOT DATE: 07-JUN-2010 13:07

PLOT BY : ditjph

PLOT NAME: PLOT S

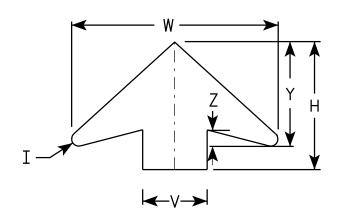
PLOT SCALE: 7.448805:1.000000

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

 Background YELLOW*

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

*Speed Limit Sign shall have a White Background



ARROW DETAIL

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

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

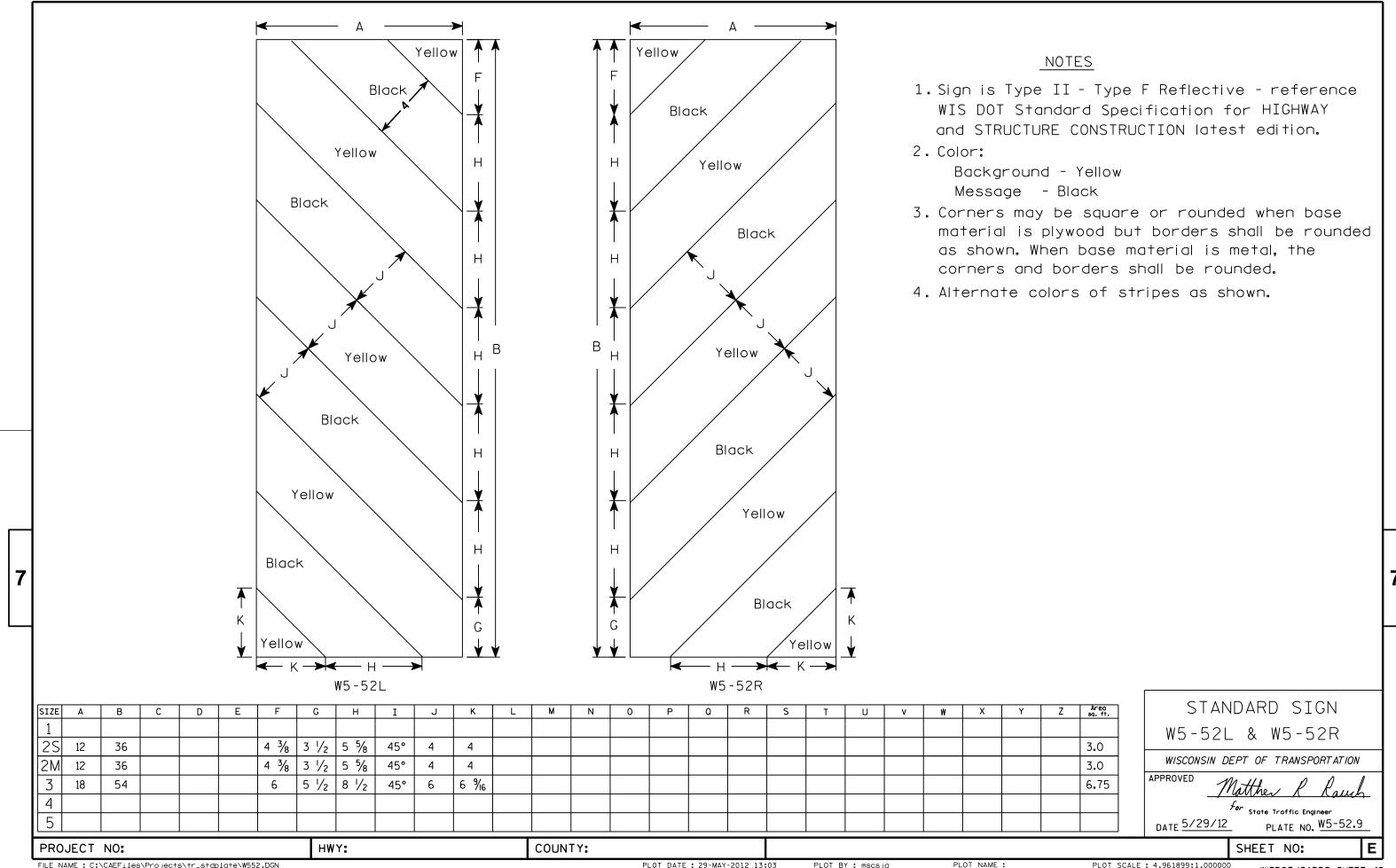
APPROVED

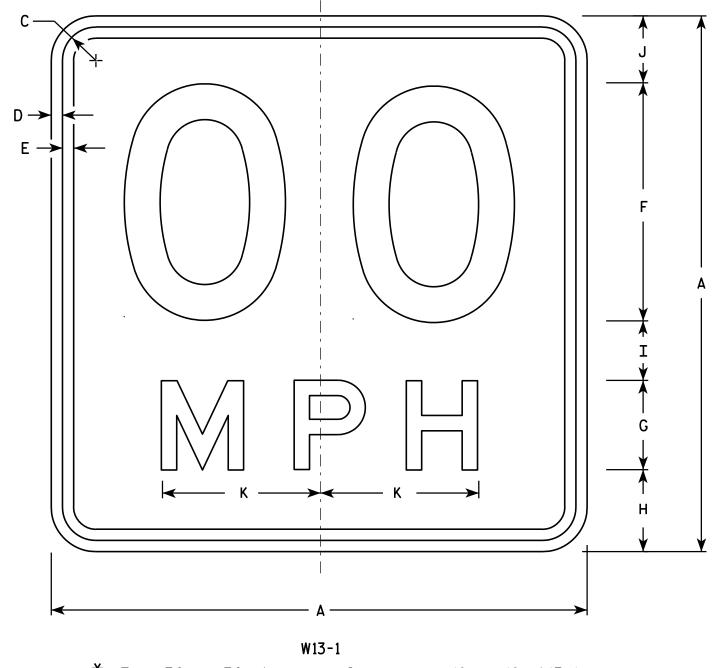
Matther R Rauch.

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

SHEET NO:

PROJECT NO:





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

Background - Yellow Message - Black

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

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

SIZE	A	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	18		1 1/8	3∕8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2S	18		1 1/8	3∕8	3/8	8	3	2 3/4	2	2 1/4	5 %																2.25
* 2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
4	36		1 1/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Ram

 f_{or} State Traffic Engineer S1/12 PLATE NO. W13-1.16

DATE <u>5/31/12</u>

SHEET NO:

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

PLOT DATE: 31-MAY-2012 10:57

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 3.225232:1.000000



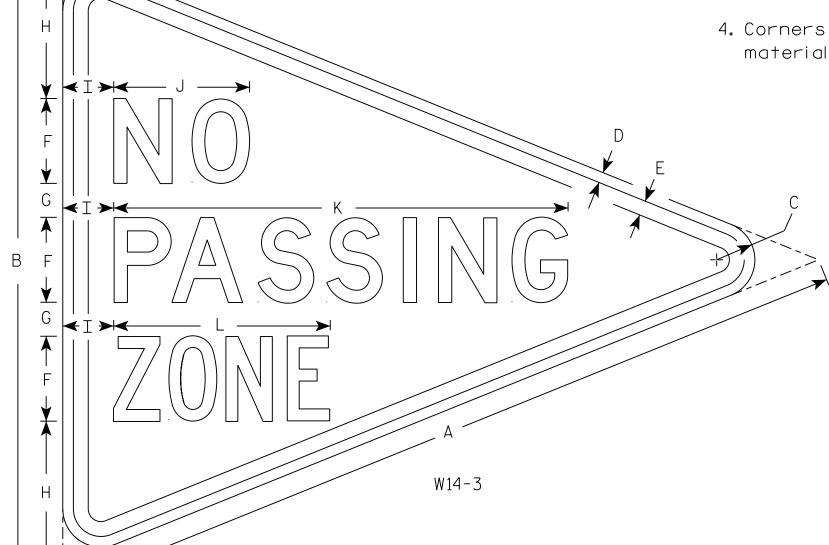
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Message – Black

3. Message Series - Lines 1 and 2 are Series D. Line 3 is series C.

4. Corners and borders shall be rounded on all base materials for this sign.



			,																								
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	<i>7</i> ⁄8	5	2	8 ½	3	8	26 ¾	12 3/4															5.56
2M																											
3																											
4																											
5																											
PRO	PROJECT NO: HWY:								COL	INTY:																	

STANDARD SIGN W14-3

WISCONSIN DEPT OF TRANSPORTATION

500 3/21/17

E 3/21/17 PLATE NO. W14-3

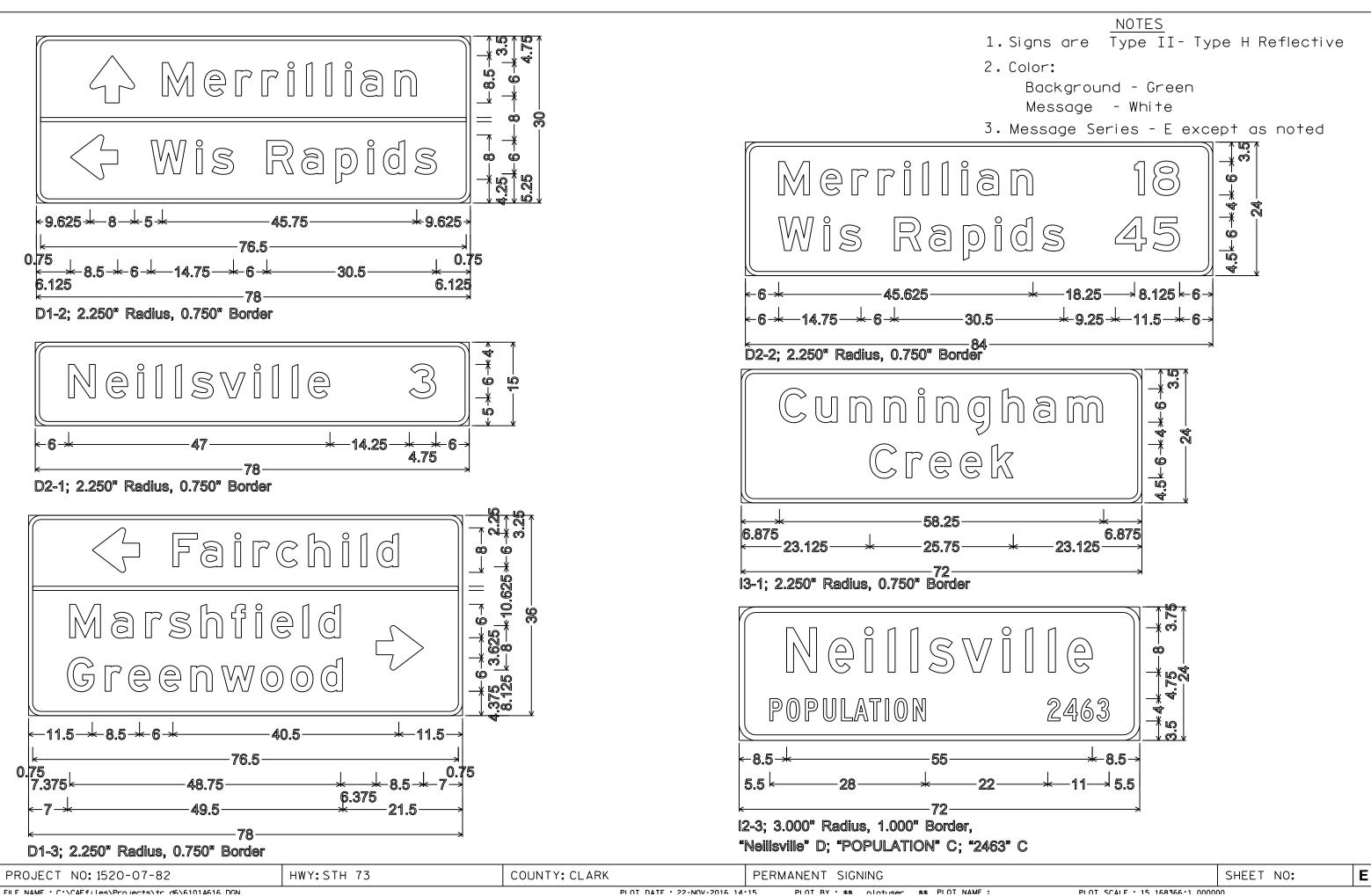
SHEET NO:

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

PLOT DATE: 21-MAR-2017 08:48

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

PLOT SCALE : 5.650195:1.000000



		AREA (SF)	•	Increm	ental Vol (CY) (Unadj	usted)	Cumul	ative Vol (CY)	
STATION	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00 Note 1	Expanded Fill 1.25	Mass Ordinate
04+00	195.34	13.00	0.00	0	0	0	0	0	0.00
05+00	146.71	13.00	0.74	633	48	1	633	2	583.55
06+00	138.83	13.00	0.44	529	48	2	1,162	4	1061.45
07+00	131.74	13.00	0.14	501	48	1	1,663	6	1513.02
08+00	121.89	13.00	0.05	470	48	0	2,133	6	1934.11
09+00	136.88	13.00	0.00	479	48	0	2,612	6	2365.04
10+00	123.14	13.00	0.40	482	48	1	3,094	7	2797.48
11+00	123.12	13.00	2.19	456	48	5	3,550	13	3199.38
12+00	128.46	13.00	1.54	466	48	7	4,016	22	3608.47
13+00	154.58	13.00	0.00	524	48	3	4,540	25	4080.91
14+00	136.28	13.00	0.00	539	48	0	5,078	25	4571.39
15+00	132.86	13.00	0.00	498	48	0	5,577	25	5021.66
16+00	128.85	13.00	0.00	485	48	0	6,061	25	5458.17
17+00	136.58	13.00	0.00	492	48	0	6,553	25	5901.55
18+00	135.40	13.00	0.00	504	48	0	7,057	25	6357.04
19+00	139.01	13.00	0.00	508	48	0	7,565	25	6817.05
				7,565	722	20	=		

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100

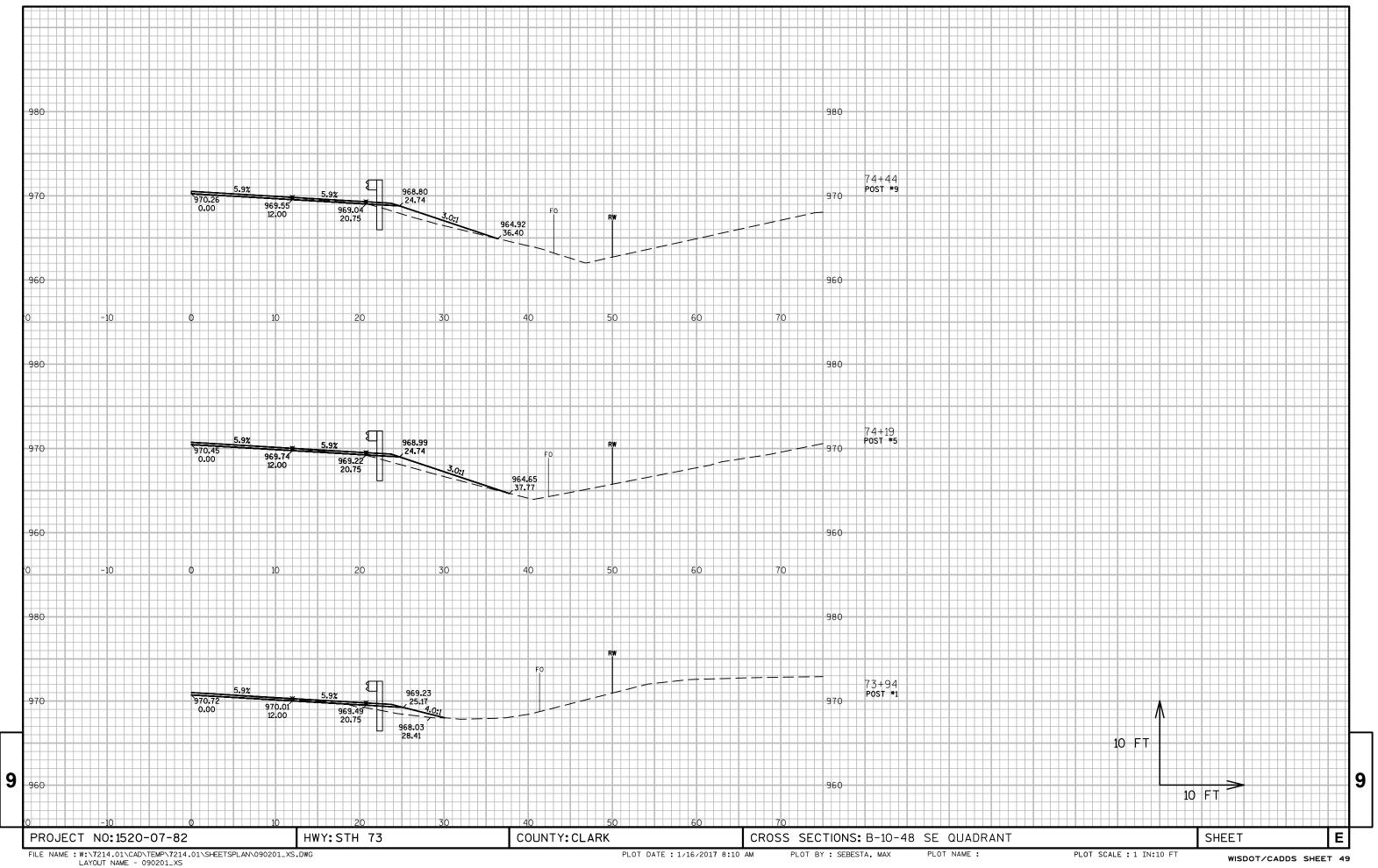
2) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

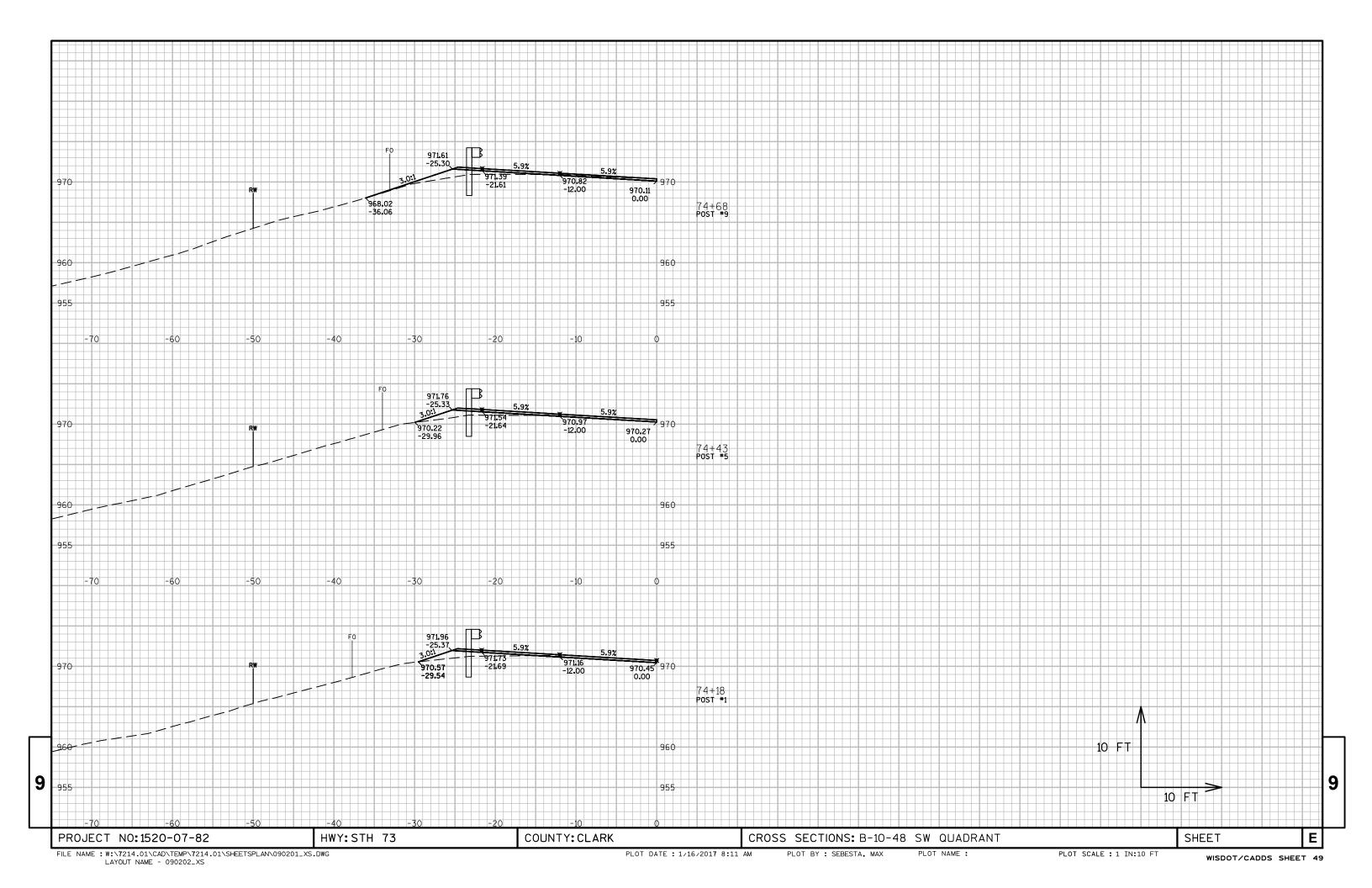
9

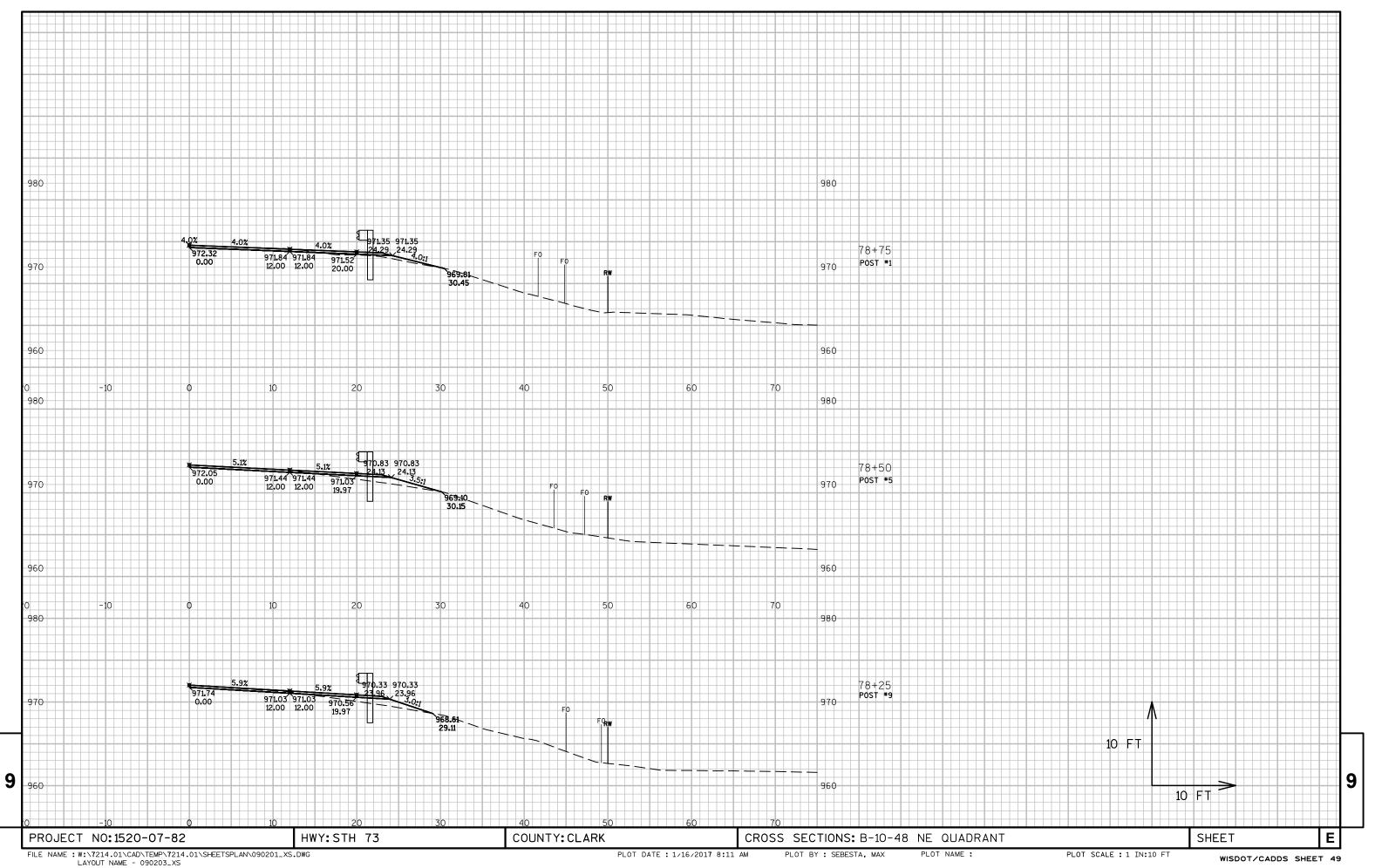
9

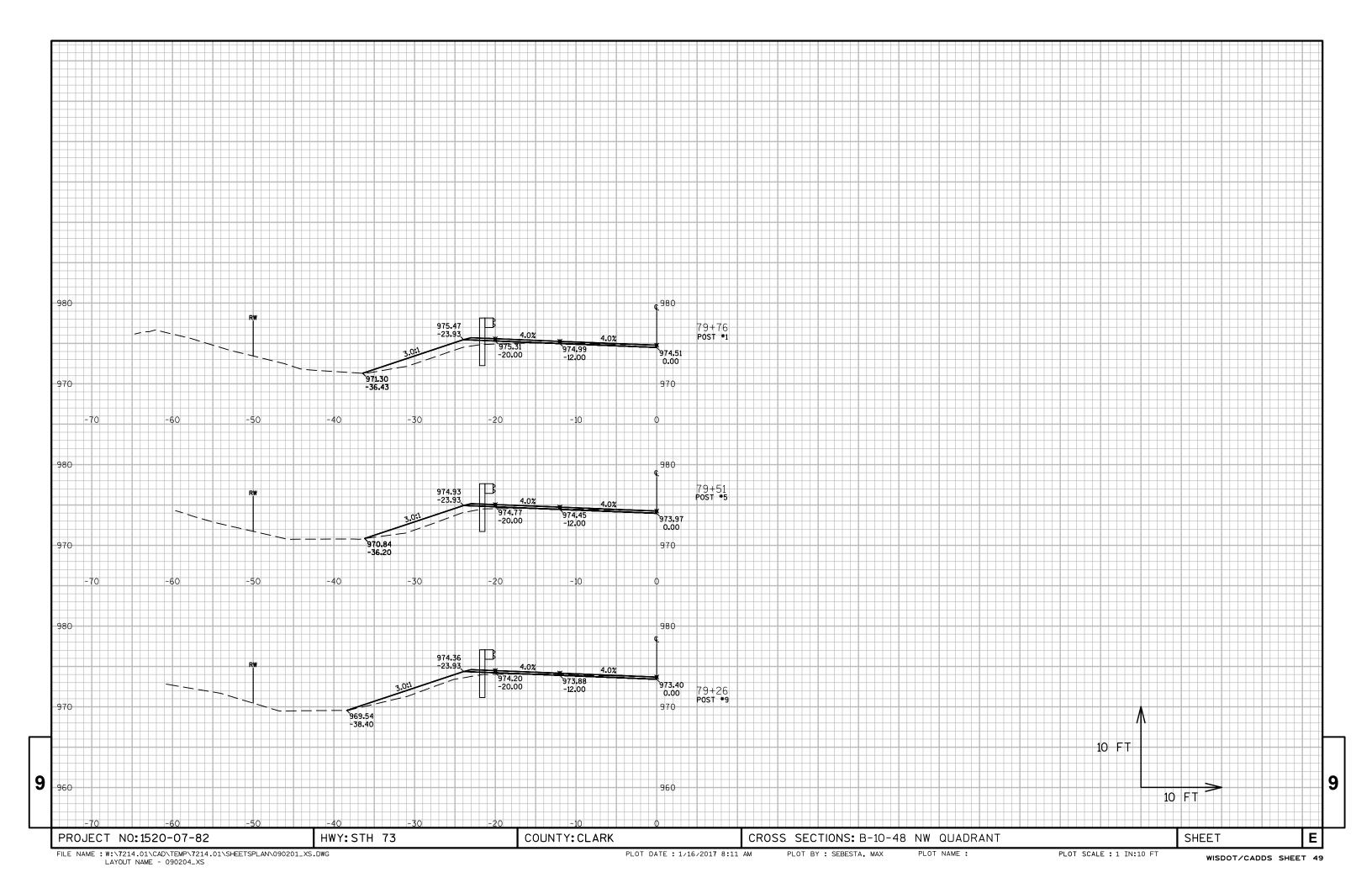
STATE PROJECT NO: 1520-07-82 HWY: STH 73 COUNTY: CLARK EARTHWORK SUMMARY SHEET NO: E

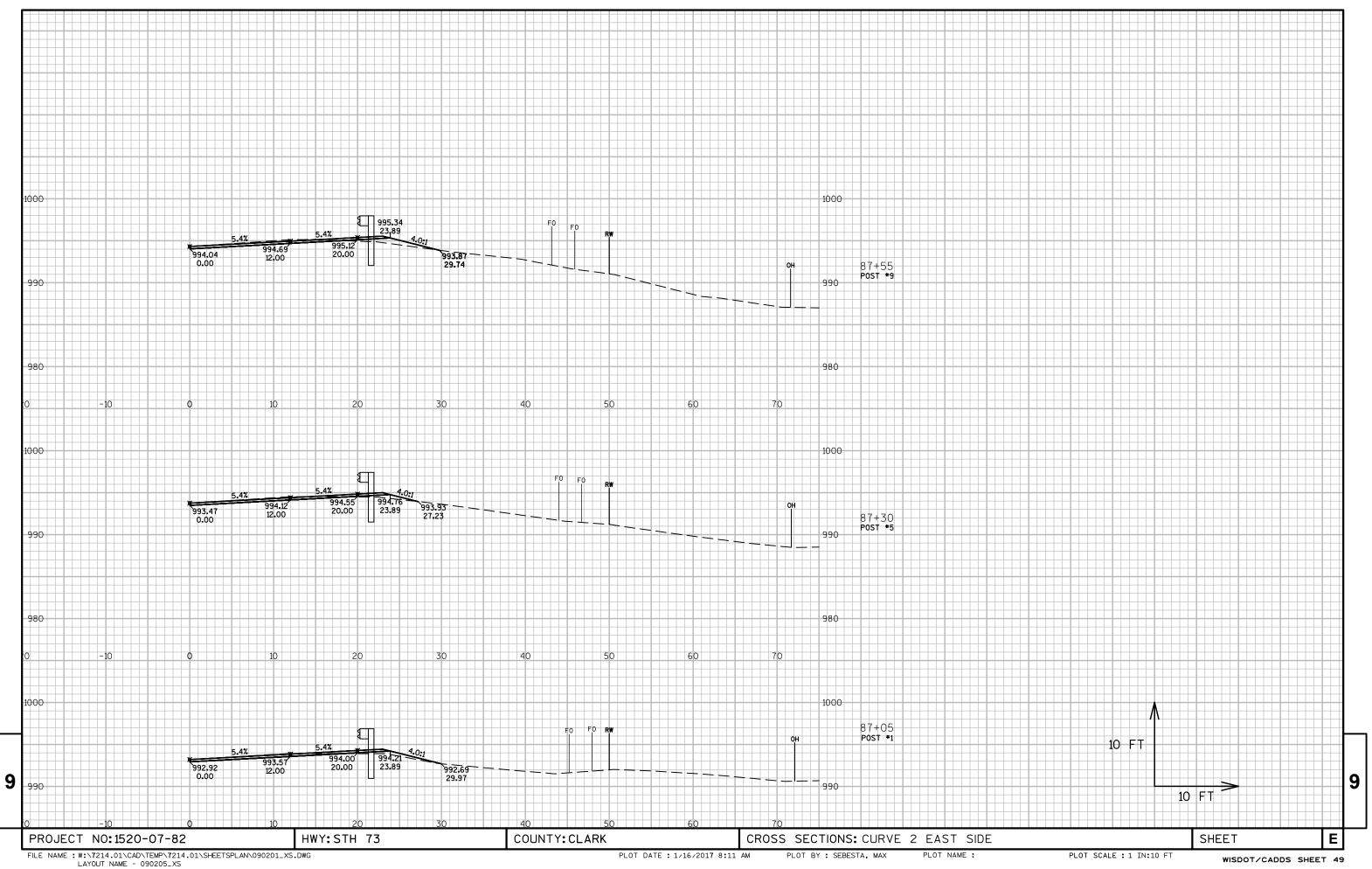
FILE NAME : _____ PLOT DATE : ____ PLOT BY : ____ PLOT NAME : ____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

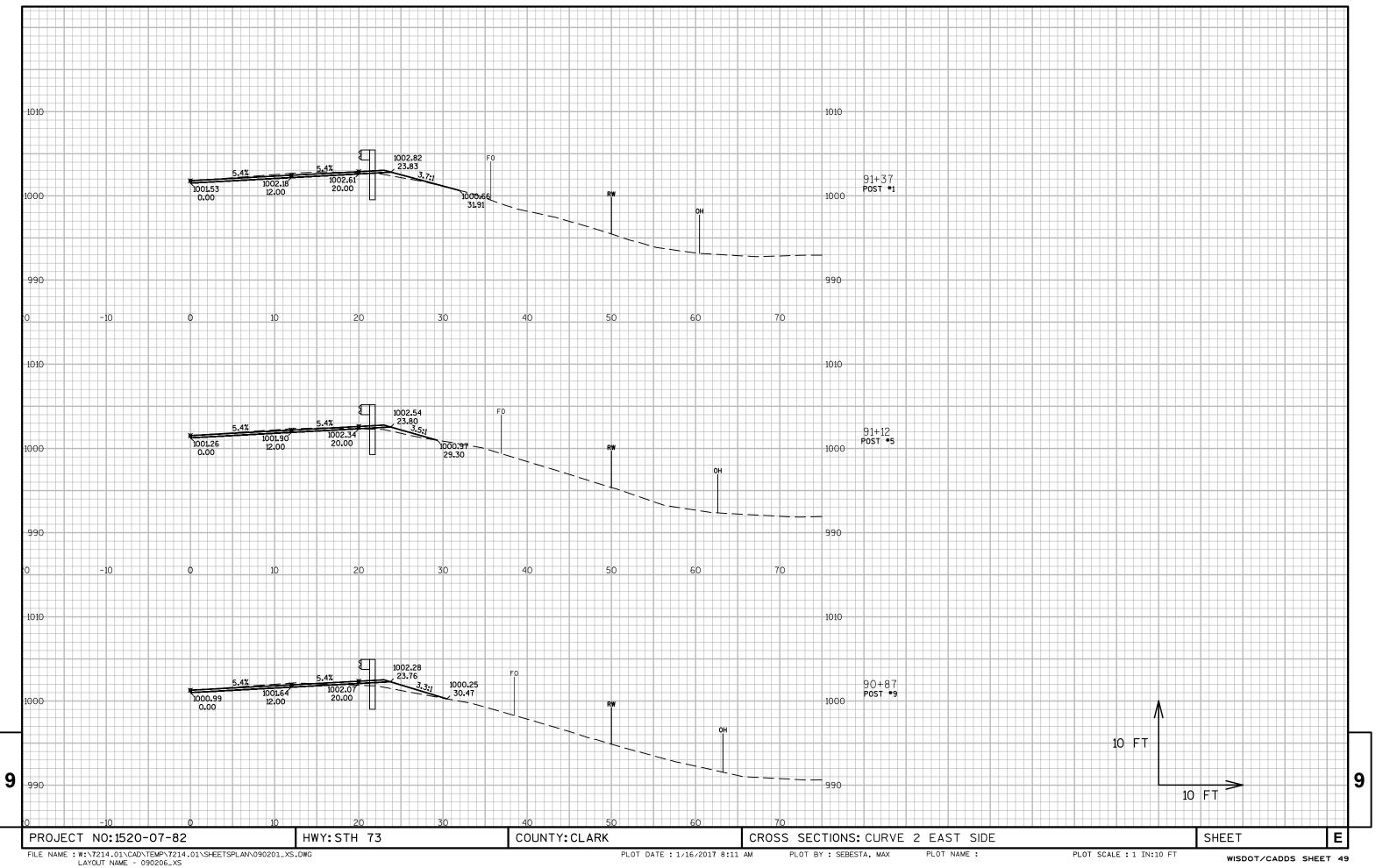


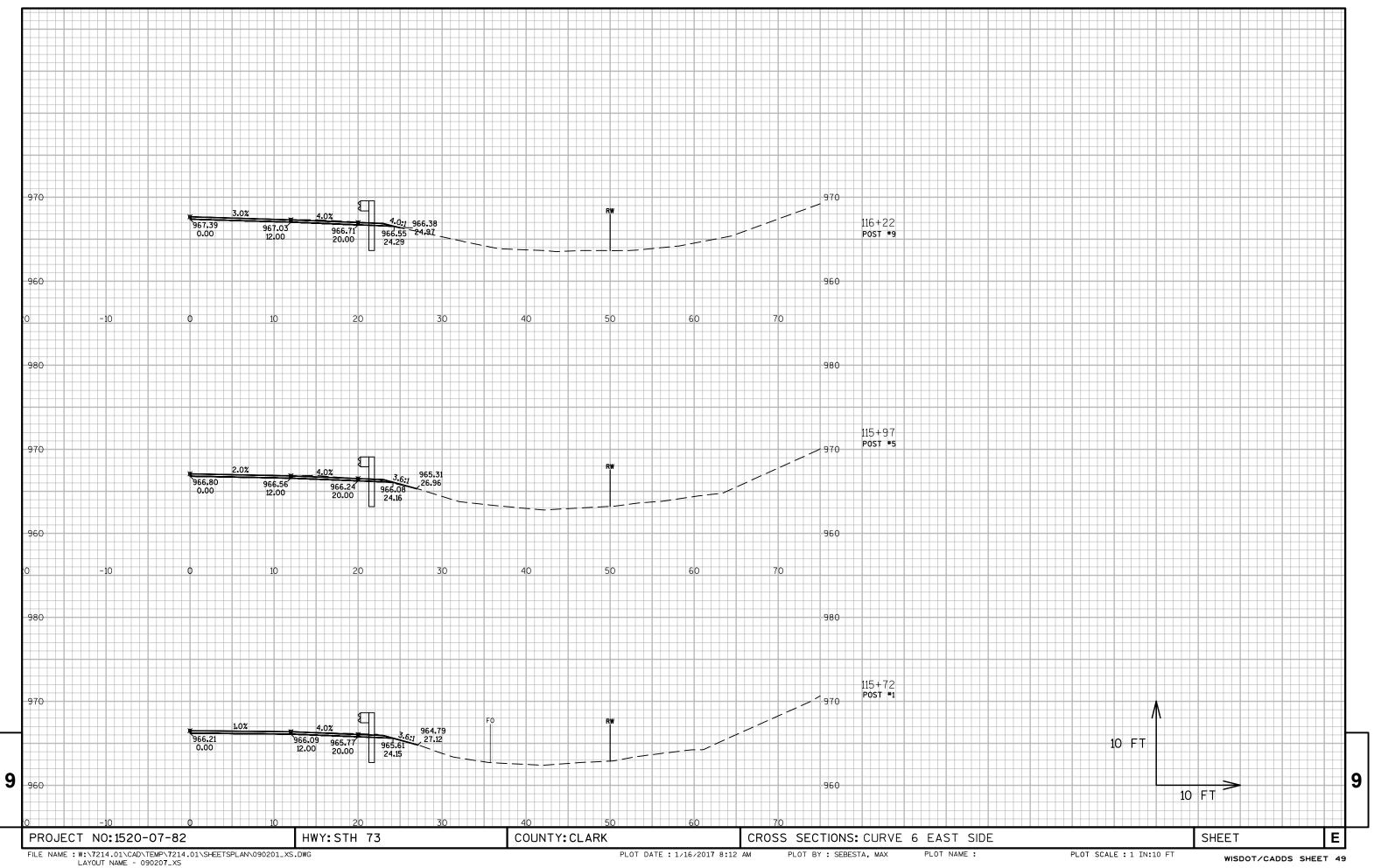


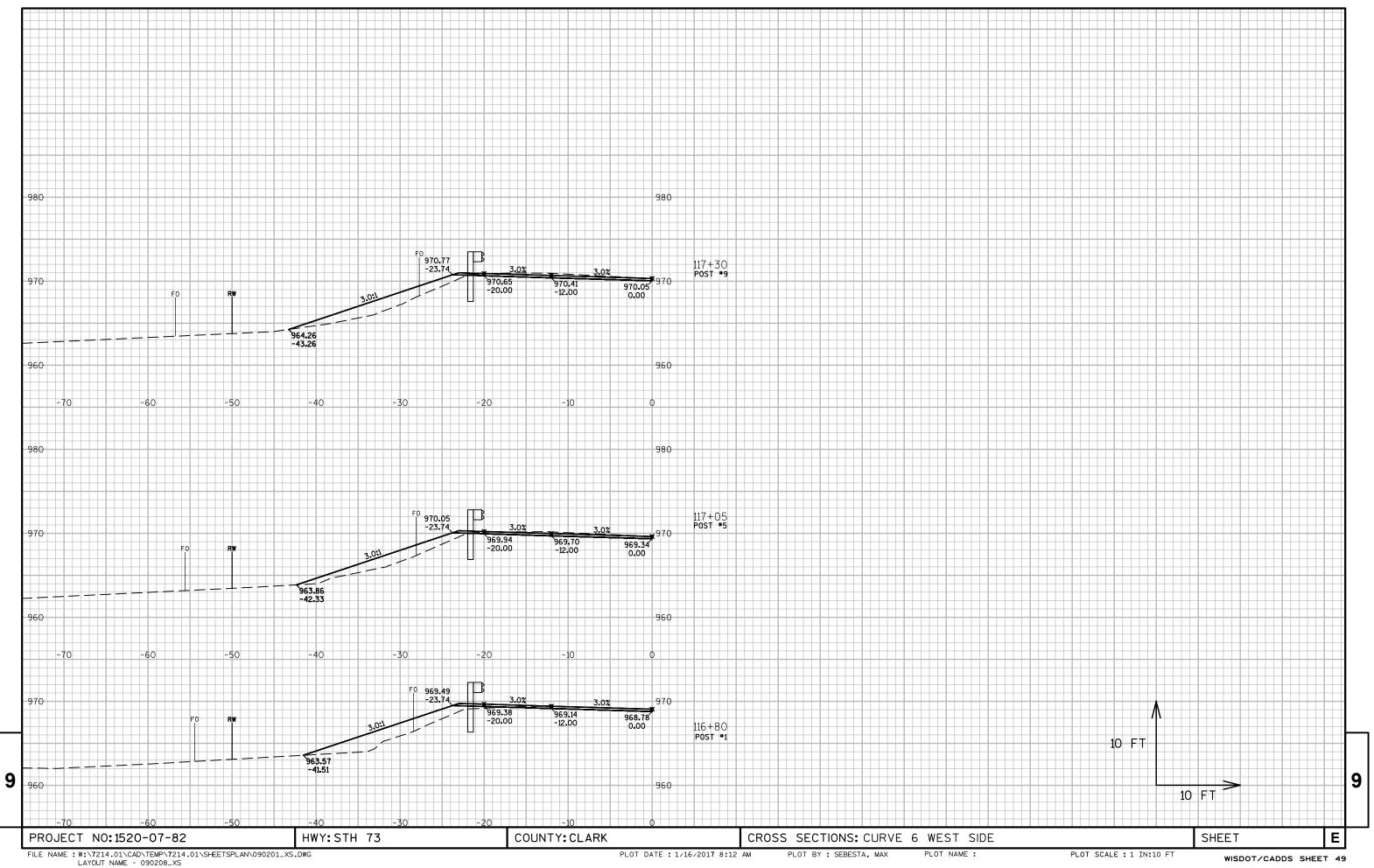


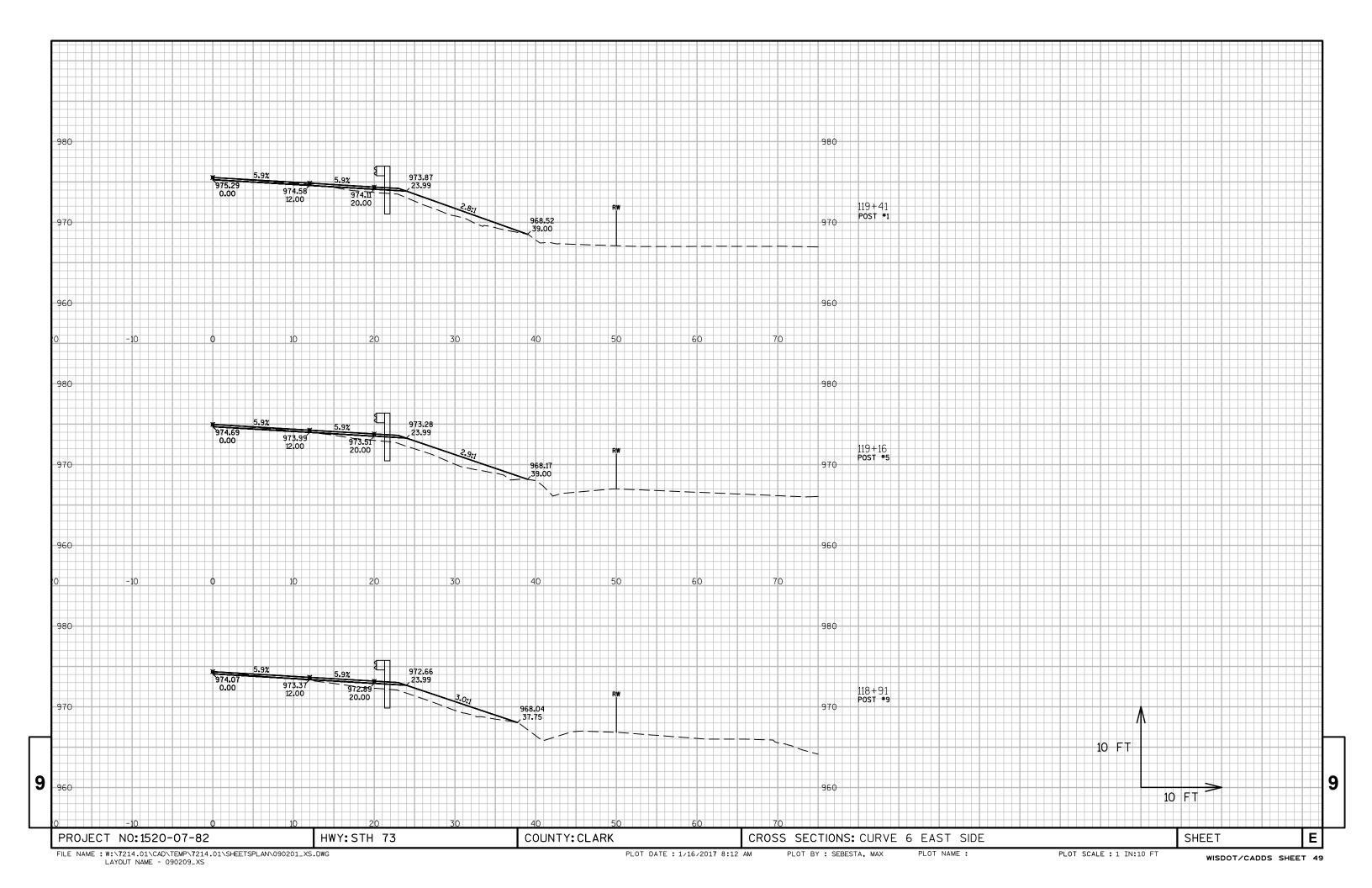


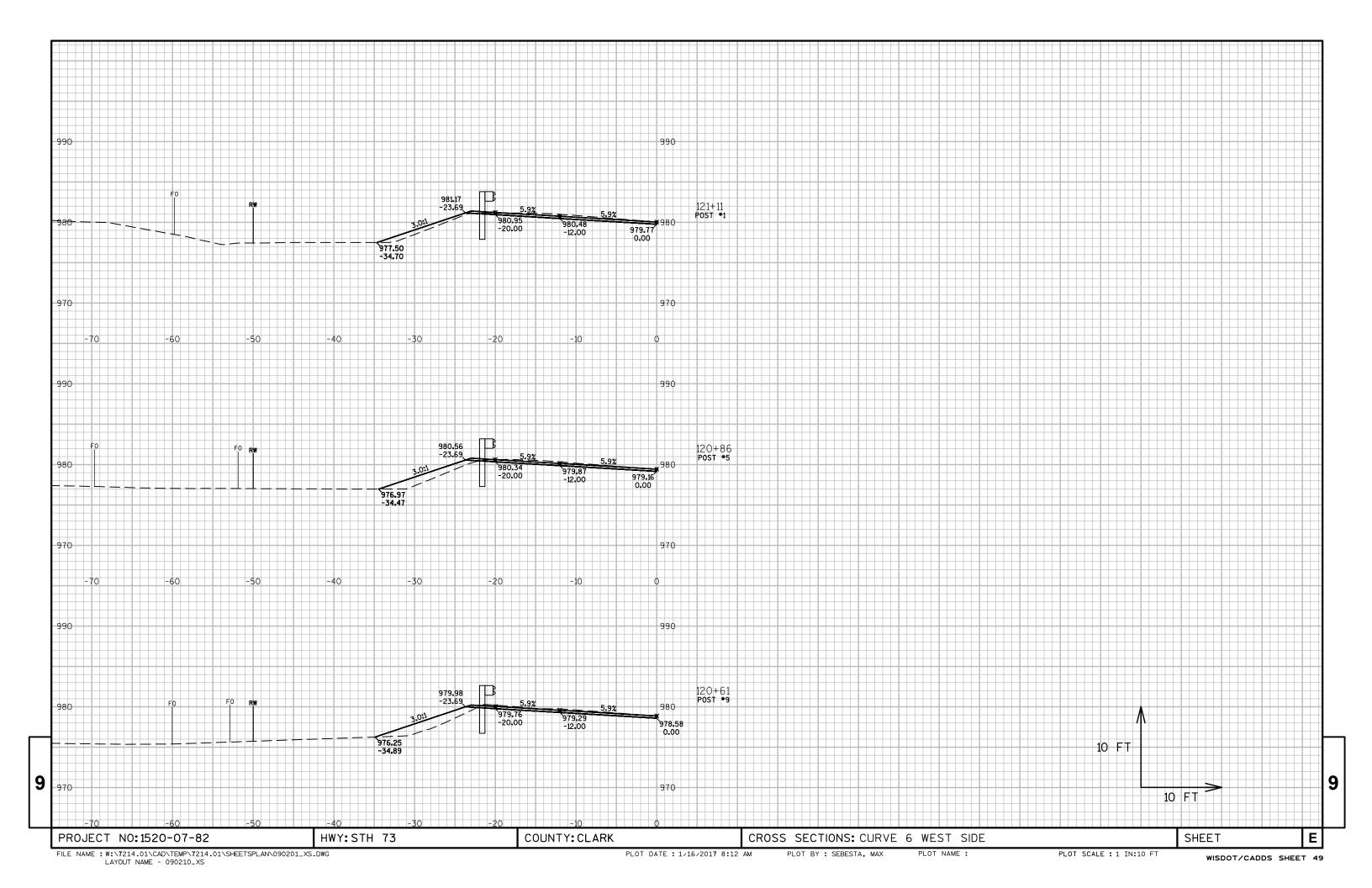


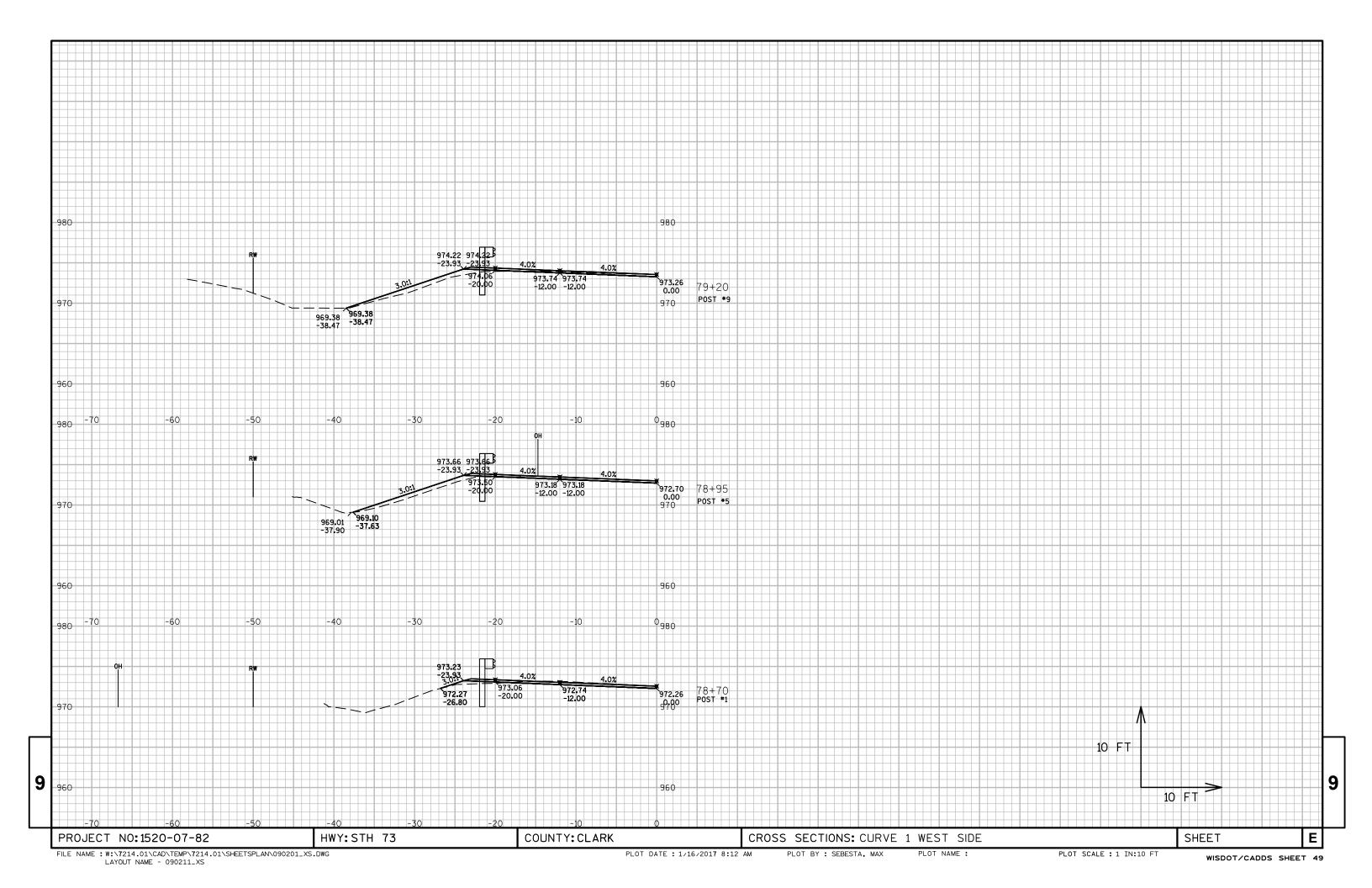












Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov