

FILE NAME :L:\JOBS2014\20145023\CAD\TRANSPORTATION\DWG\SHEETSPLAN\OLD\010101_TI.DWG 2014-5023 - 010101_TI - TITLE SHEET 1 IN EQ 0.5 MI

PLOT BY : MESSER, JACKIE PLOT NAME : PLOT DATE : 10/24/2016 8:20 AM

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STATE PROJE	FED	FEDERAL PROJECT				
STATE PROJE	PR	OJECT CONTRACT				
1690-05-71	WISC 20	017094 1				
	_					

AS-BUILT PLAN

PROJECT LEADER: Derrick Ballweg **PROJECT MANAGER: Mahesh Shrestha** PRIME CONTRACTOR: H. James & Sons, Inc.

	ORIGINAL PLANS PREPARED BY
	GREEF 125 S. BATH STREET, SLATE 401
<u>1690-05-71</u>	JACQUELYN M. JACQUELYN M. MESSER 41278 DELAFIELD, WI HINGSONAL ENGININ
	10/21/16 Jacquetyn 1/11/11/100 Generatured STATE OF WISCONSIN
	DEPARTMENT OF TRANSPORTATION
	PREPARED BY Surveyor GRAEF
	Designer GRAEF
	Project Wanager MAHESH SHRESTHA
	Regional Examiner Regional SupervisorBILL_STROBEL
WISCONSIN COUNTY .S. SURVEY FEET. AND GRID DISTANCES.	APPROVED FOR THE DEPARTMENT
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	E E

GENERAL NOTES

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NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM THE ABANDONMENT OR REMOVAL OF EXISTING SECURES OR FROM GRUBBING OF TREES OR STUMPS SHALL BE BACKFILLED WITH GRANULAR BACKFILL, BACKFILL GRANULAR MATERIAL IS INCIDENTAL TO THE REMOVAL ITEM.

ALL RADIUS DIMENSIONS FOR CURB & GUTTER ARE GIVEN TO THE FLANGE. ALL ELEVATIONS ALONG CURB & GUTTER ARE GIVEN TO THE FLANGE. OFFSETS NOTED ARE TO THE FLANGE OR EDGE OF LANE IF NO CURB, UNLESS OTHERWISE NOTED.

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.

HMA PAVEMENT WHERE INDICATED ON THE PLANS, SHALL CONSIST OF LAYERS AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.

5.0" DEPTH	3.0"	0F	HMA	PAVEMENT	3 LT	58-28	s,	AS	THE	LOWER	LAYER
				PAVEMENT							
4.0" DEPTH	2.0"	0F	HMA	PAVEMENT	X ³ LT	58-28	s,	AS	THE	LOWER	LAYER

2.0" OF HMA PAVEMENT 4 LT 58-28 S. AS THE UPPER LAYER

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

HMA PAVING JOINTS ON THE PROJECT SHALL BE A VERTICAL LONGITUDINAL JOINTS IN PLACE OF THE NOTCHED WEDGE LONGITUDINAL JOINTS. CONTRACTOR SHALL REFER TO THE LONGITUDINAL JOINT SECTION OF THE STANDARD SPECIFICATION.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE OR PARKING LANE.

SILT FENCE SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

ASPHALT AND CONCRETE DRIVEWAYS SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PIROR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

INLET PROTECTION IS REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM TRAFFIC CONTROL COVERING SIGNS TYPE II.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SOD, FERTILIZE, AND MULCH TOP-SOLED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FLOTE AND MODEL TOP-SOLED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FLOYE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

DISTANCE BEHIND CURB TO UTILITY POLES MAY REQUIRE CONCRETE CURB AND GUTTER TO BE HAND FORMED RATHER THAN SLIP FORMED. THIS WILL BE INCIDENTAL TO THE ITEM.

STANDARD ARREVIATIONS

STANDAR	<u>D ABBREVIATIONS</u>	SECT
AEW AGG BAD BM C&G C&G C/L CONC CP CPCM CPRC CPRCHE CSCP CSPA CSD CY D DISCH FE HERCP HMA INV L LHF LT MIN M/L NB NC SCP PCC PE PLE PT PVC PVI PVT R R/L R/W RAD RC RCAEW RCAEW RCAEW RCAEW RCAEW RCAEW RCAEW RCAEW RCAEV SB SDD	APRON END WALL AGGREGATE BASE AGGREGATE DENSE BENCH MARK CURB AND GUTTER CENTER OR CONSTRUCTION LINE CONCRETE CULVERT PIPE CENFORCD CONCRETE CULVERT PIPE REINFORCED CONCRETE CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CORRUGATED STEEL CULVERT PIPE CORRUGATED STEEL PIPE ARCH CONCRETE SURFACE DRAIN CUBIC-YARD DEGREE OF CURVE DELTA DISCHARGE FIELD ENTRANCE HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE HOT MIX ASPHALT INVERT LENGTH OF CURVE LEFT HAND FORWARD LEFT MINIMUM MATCHLINE NORTHBOUND NORMAL CROWN NOT TO SCALE PAVEMENT PULL BOX POINT OF INTERSECTION PERMANENT LIMITED EASEMENT POINT OF VERTICAL URVE POINT OF VERTICAL URVE POINT OF VERTICAL LINERSECTION PERMANENT LIMITED EASEMENT POINT OF VERTICAL LINERSECTION POINT OF VERTICAL LINERSECTION POINT OF VERTICAL LINERSECTION POINT OF VERTICAL LINERSECTION PERMANENT LIMITED EASEMENT POINT OF VERTICAL LINERSECTION PERMANENT LIMITED EASEMENT POINT OF VERTICAL LINERSECTION POINT OF VERTICAL DRAWAN REVERSE CROWN APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE POINT	SECT GENERA PROJEC TYPICA CONSTF REMOV, PLAN [PAVEMI EROSIO STORM PERMAT PAVEMI TRAFFI ALIGNM
SB	SIGNAL BASE	
SE	SUPER ELEVATION	
SF STA	SQUARE FOOT STATION SQUARE YARD	
SY T	SQUARE YARD TANGENT LENGTH	
TC TLE	TOP OF CURB TEMPORARY LIMITED EASEMENT	

VILLAGE CONTACT VILLAGE OF BELLEVILLE TIM FRANCOIS 20 RIVER ST. BELLEVILLE, WI 53508 (608) 424-3666 (608) 395-5183 (MOBILE) TFRANCOIS@VILLAGEOFBELLEVILLE.COM

DEPT. OF NATURAL RESOURCES

WISCONSIN DEPT. OF NATURAL RESOURCES ERIC HEGGELUND 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711 (608) 275-3301 ERIC.HEGGELUND@WISCONSIN.GOV

WISDOT CONTACT

WISCONSIN DEPT OF TRANSPORTATION, SW REGION MAHESH SHRESTHA 2101 WRIGHT STREET MADISON. WI 53704 (608) 245-2674 MAHESH.SHRESTHA@DOT.WI.GOV

DESIGN CONTACT GRAEF MARY BETH PETTIT 125 S. 84TH STREET, SUITE 401 MILWAUKEE, WI 53214 (414) 266-9175 MARYBETH.PETTIT@GRAEF-USA.COM

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FILE NAME : K:\JOBS2014\20145023\CAD\TRANSPORTATION\DWG\SHEETSPLAN\020101_GN.DWG LAYOUT NAME - 020101_GN - 020101_GN

PLOT DATE : 12/7/2016 2:20 PM PLOT BY : MESSER. JACKIE

PLOT NAME :

TION 2 ORDER OF SHEETS

RAL NOTES CT OVERVIEW AL SECTIONS RUCTION DETAILS VAL PLAN DETAILS MENT GRADES ON CONTROL SEWER PLAN ANENT SIGNING MENT MARKING TIC CONTROL/DETOUR MENT PLAN

UTILITIES

COMMUNICATION LINE CHARTER COMMUNICATIONS MARK GAUGER 2701 DANIELS ST. MADISON, WI 53718 (608) 575-6415 (MOBILE) MARK.GAUGER@CHARTER.COM

COMMUNICATION LINE FRONTIER COMMUNICATIONS OF WI LLC. ED STIEBER 100 COMMUNICATIONS DRIVE SUN PRAIRIE, WI 53590 (608) 837-1410 (262) 325-7048 (MOBILE) EDWARD.O.STIEBER@FTR.COM

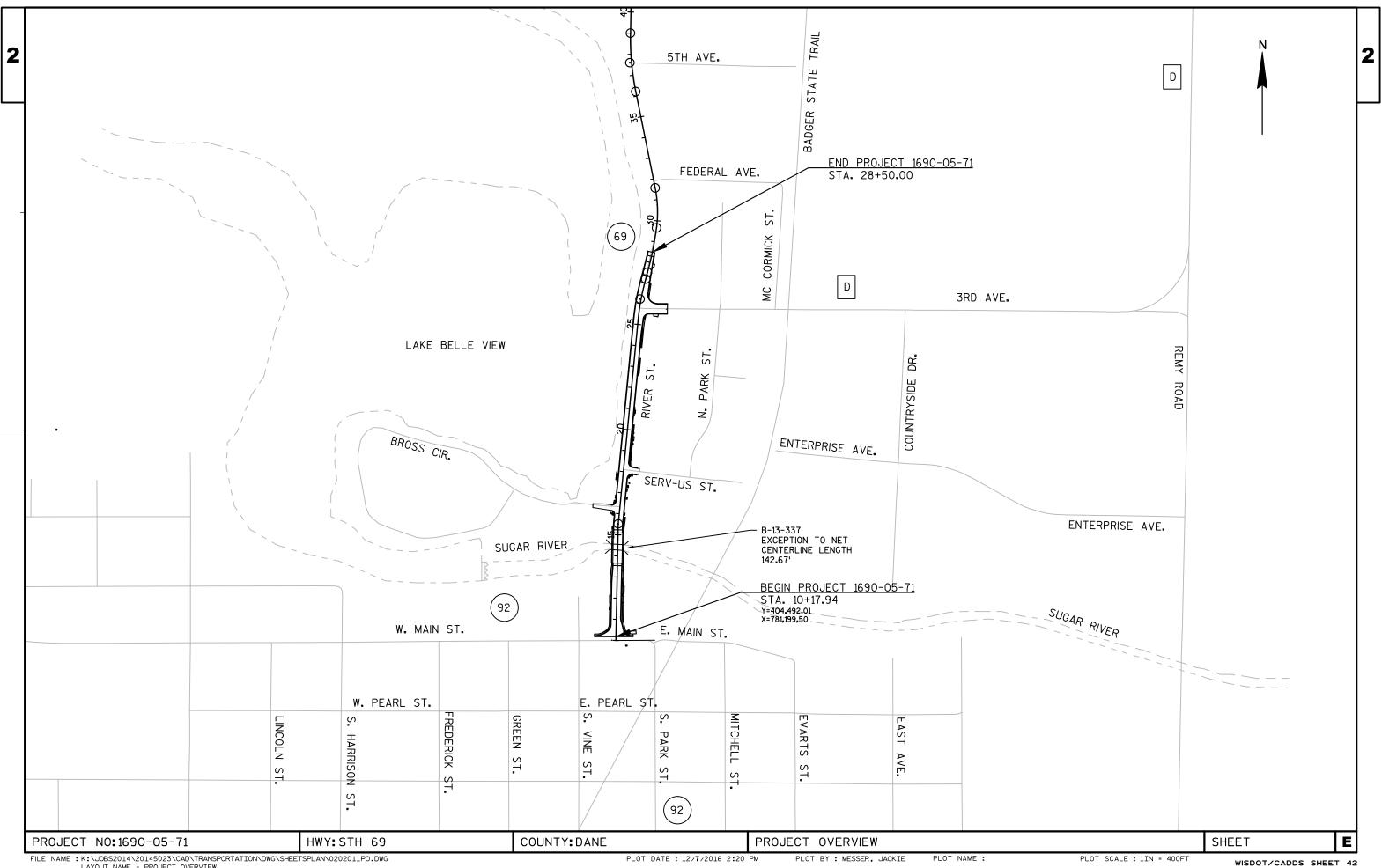
ELECTRICITY ALLIANT ENERGY RICK MARTINGILIO 2147 COUNTY HWY PB VERONA, WI 53593 (608) 845-1120 RICKAMARTINGILIO@ALLIANTENERGY.COM

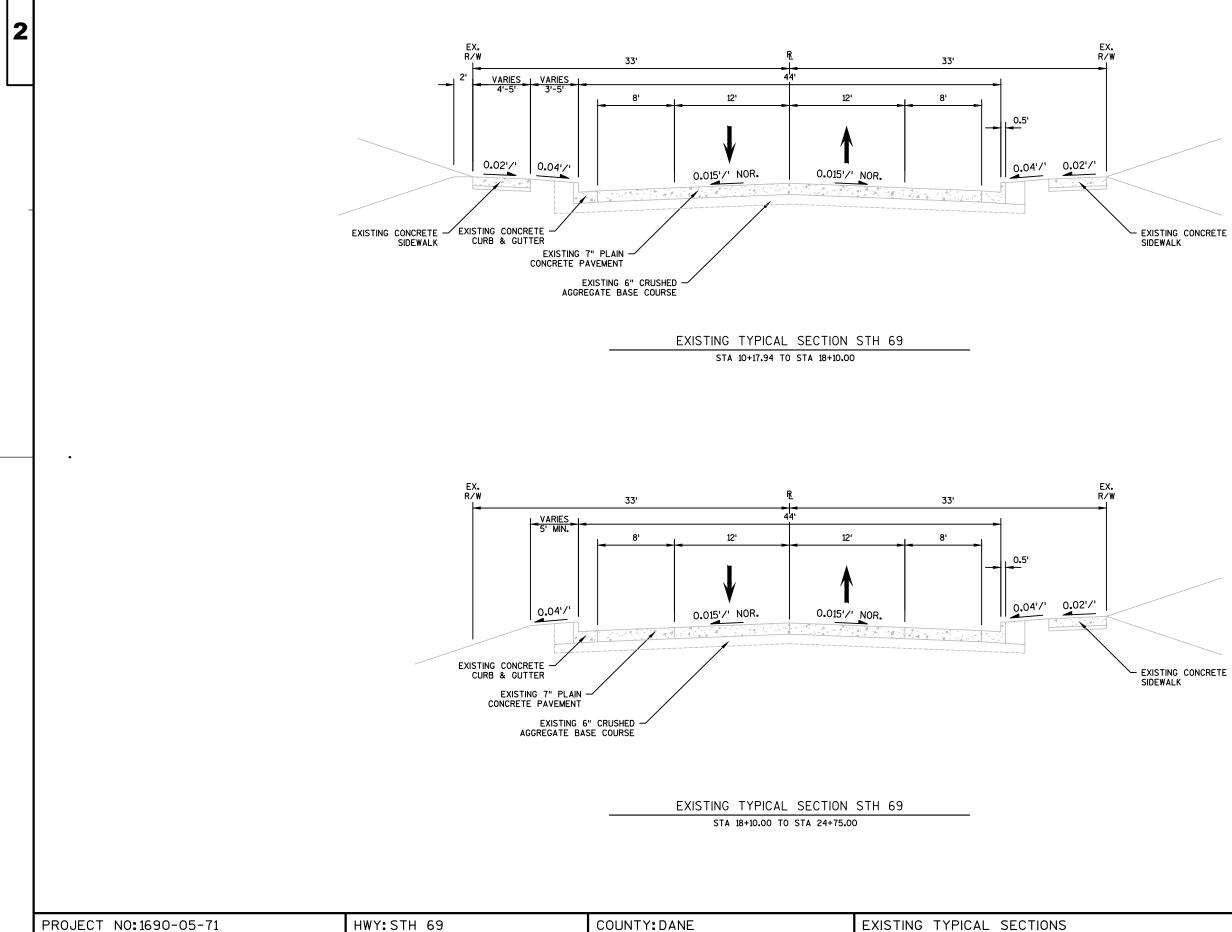
WE ENERGIES ADAM MARING N3025 14TH AVENUE MONROE, WI 53566 (608) 328-5679 (608) 426-1715 ADAM.MARING@WE-ENERGIES.COM

WATER/SANITARY SEWER VILLAGE OF BELLEVILLE TIM FRANCOIS 20 RIVER STREET BELLEVILLE, WI 53508 (608) 424-3666 (608) 395-5183 (MOBILE) TFRANCOIS@VILLAGEOFBELLEVILLE.COM



PLOT SCALE :





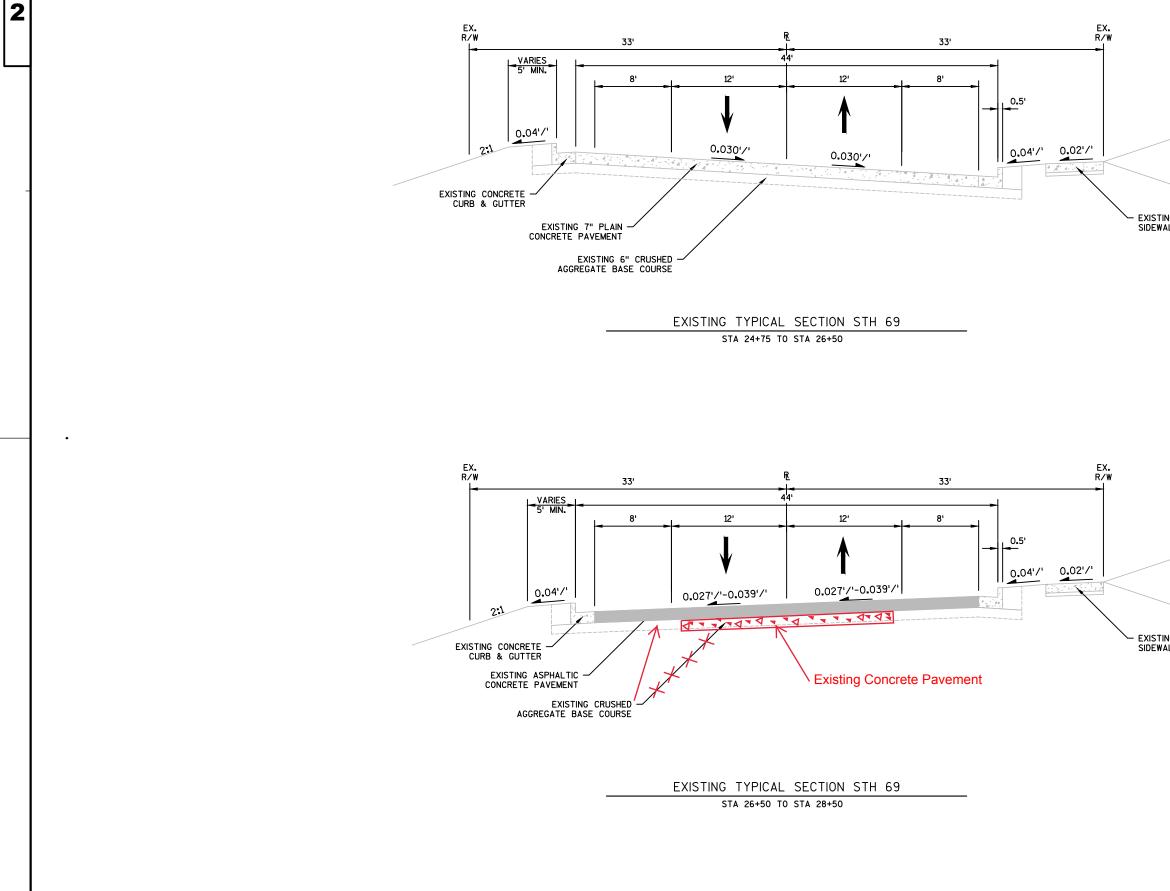
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PLOT BY : MESSER, JACKIE PLOT NAME :

EXISTING CONCRETE SIDEWALK

SHEET

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COUNTY:DANE

FILE NAME :K:\JOBS2014\20145023\CAD\TRANSPORTATION\DWG\SHEETSPLAN\020301_TS.DWG

HWY:STH 69

PROJECT NO: 1690-05-71

PLOT DATE : 12/7/2016 2:21 PM PLOT BY : MESSER, JACKIE PLOT NAME :

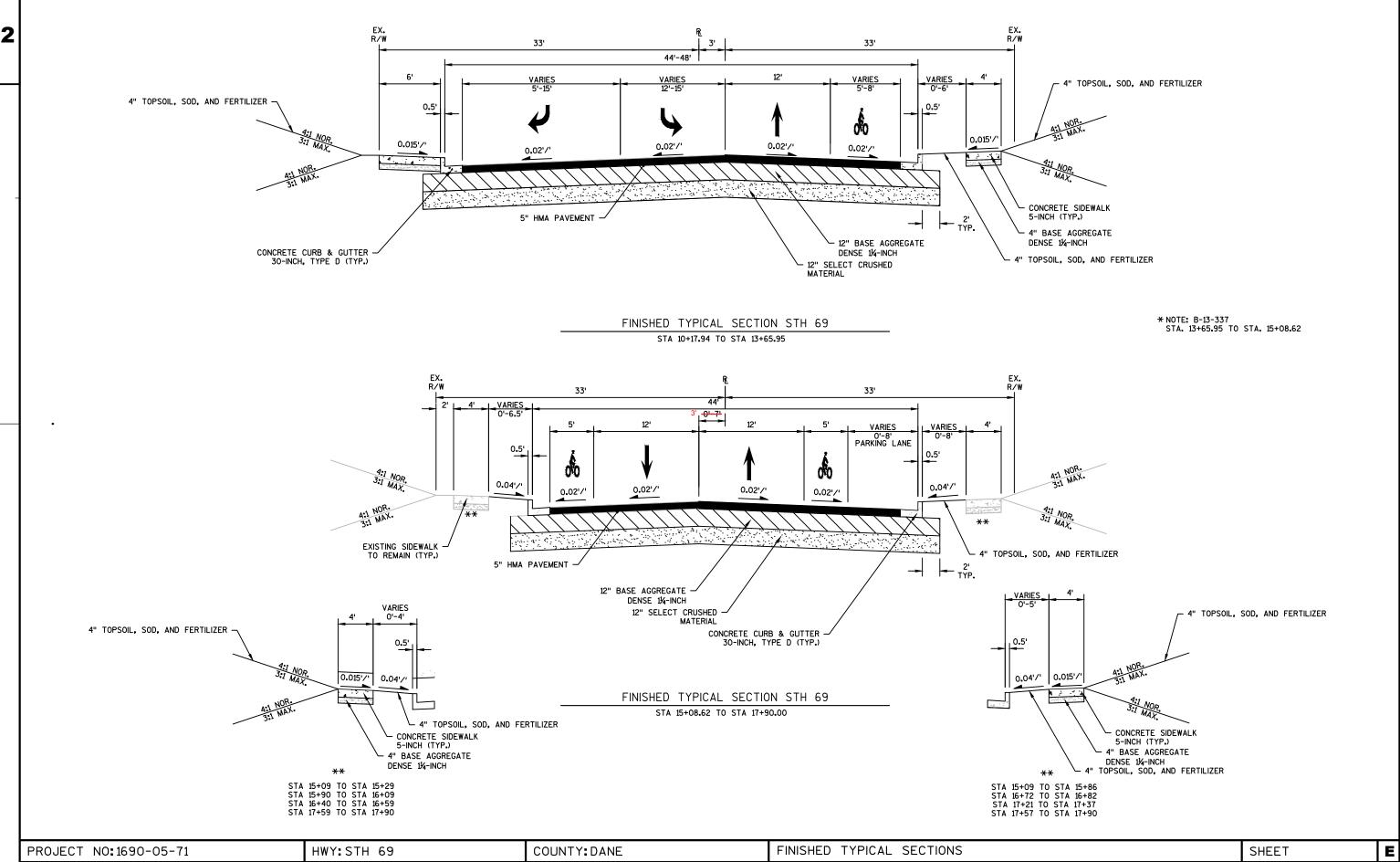
EXISTING TYPICAL SECTIONS

EXISTING CONCRETE SIDEWALK

EXISTING CONCRETE SIDEWALK

SHEET

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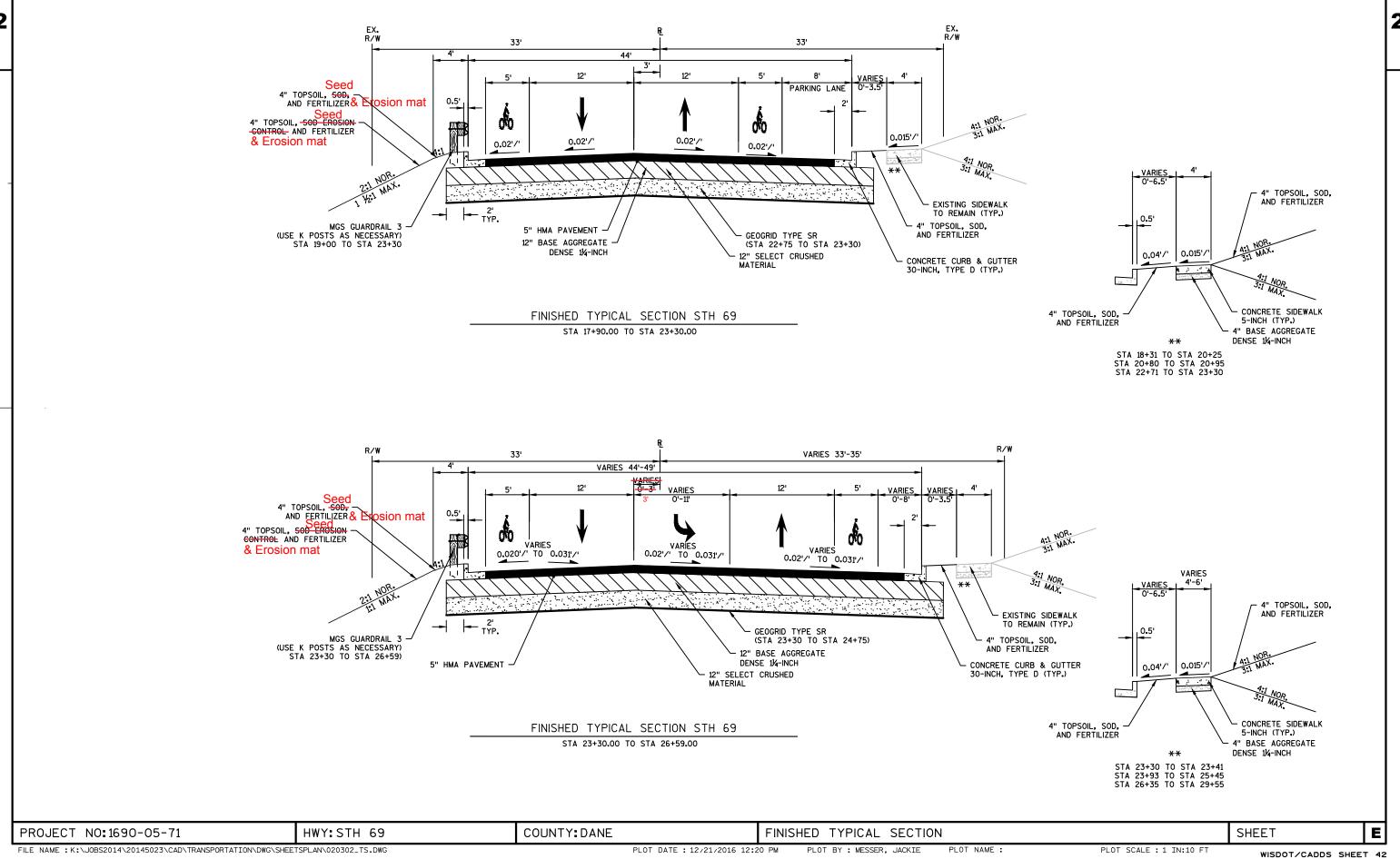


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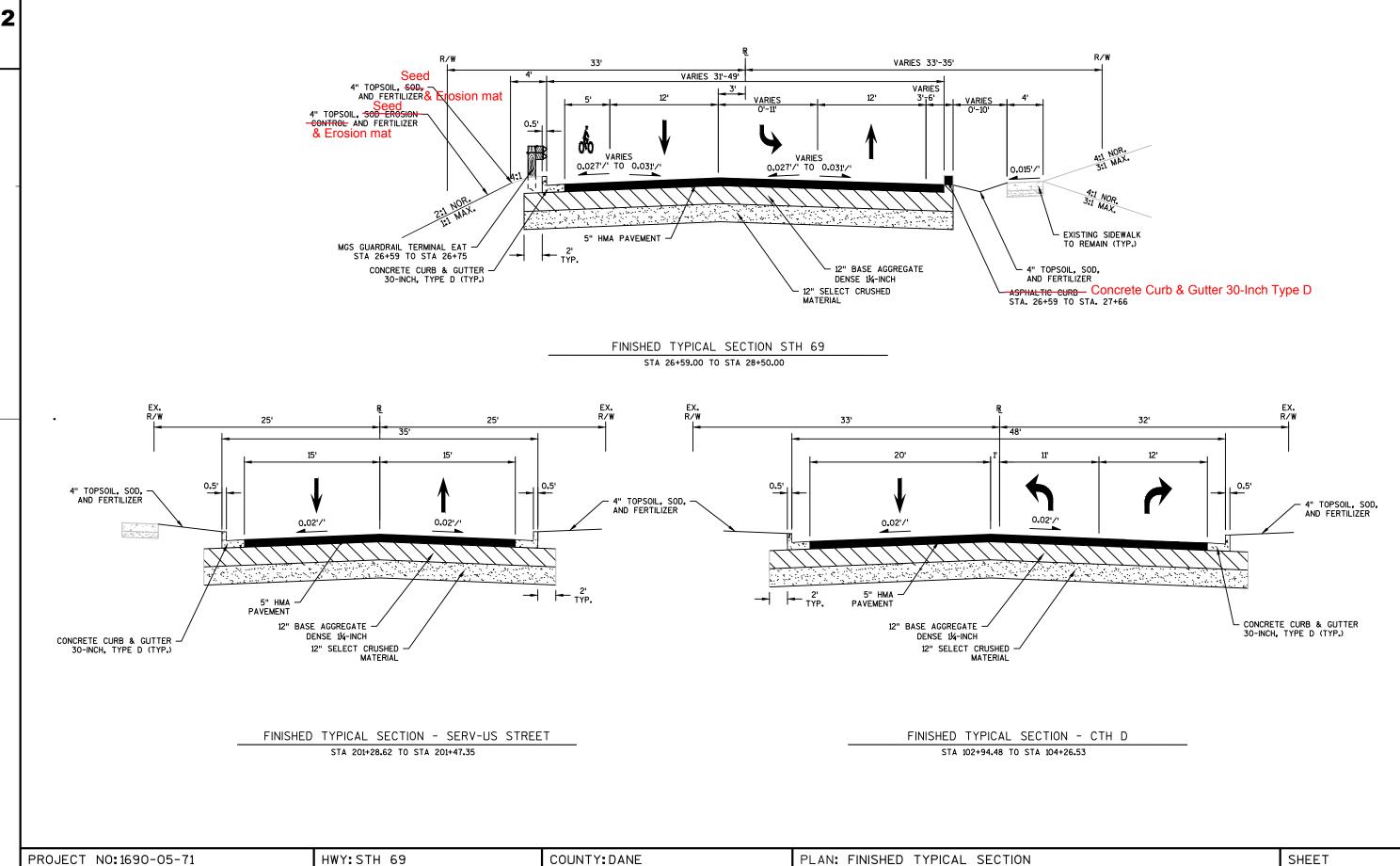
PLOT DATE : 12/7/2016 2:21 PM PLOT BY : MESSER, JACKIE PLOT NAME :

PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



PROJECT NO:1690-05-71	HWY:STH 69	COUNTY:DANE	FINISHED TYPICAL SECTION	
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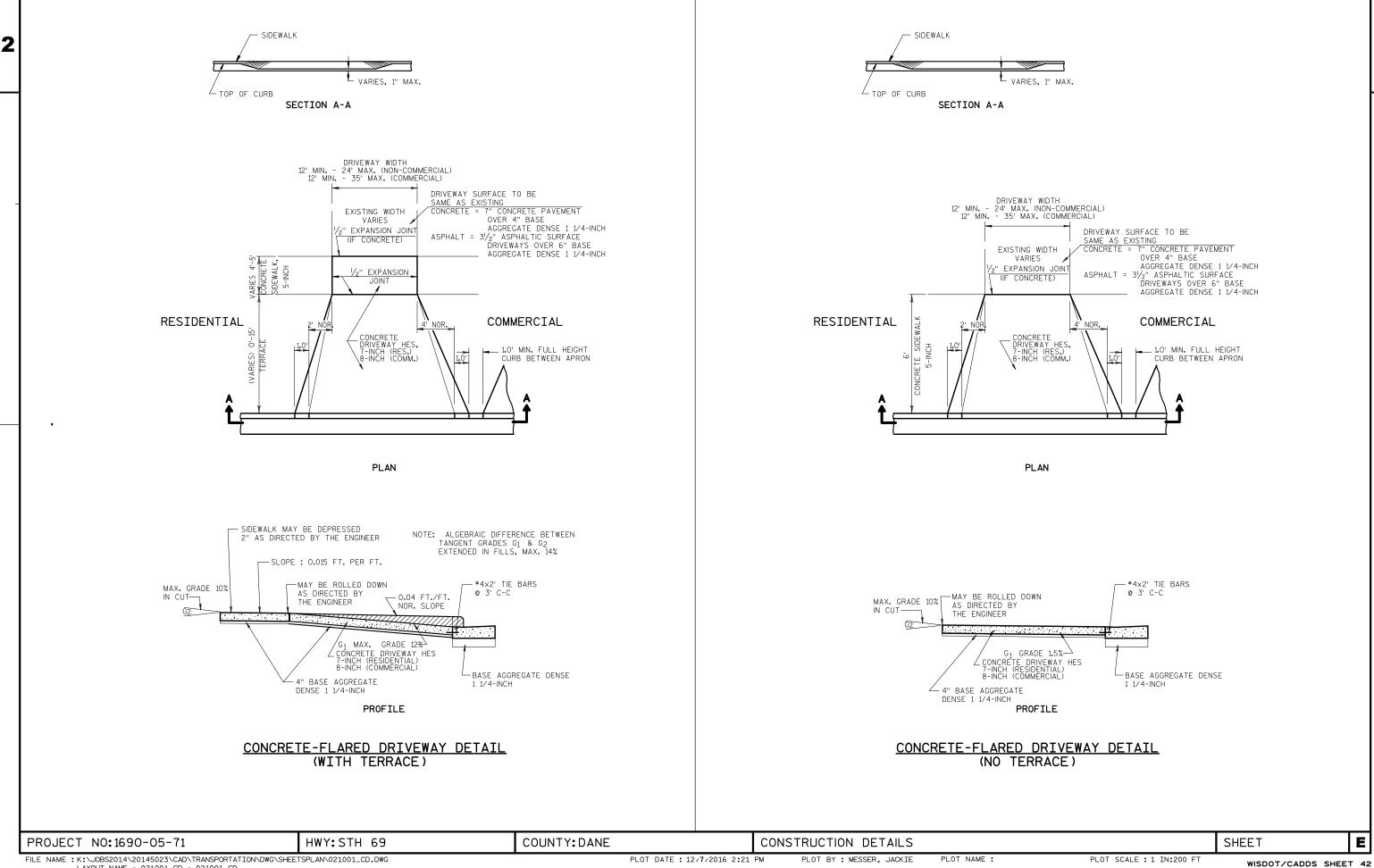
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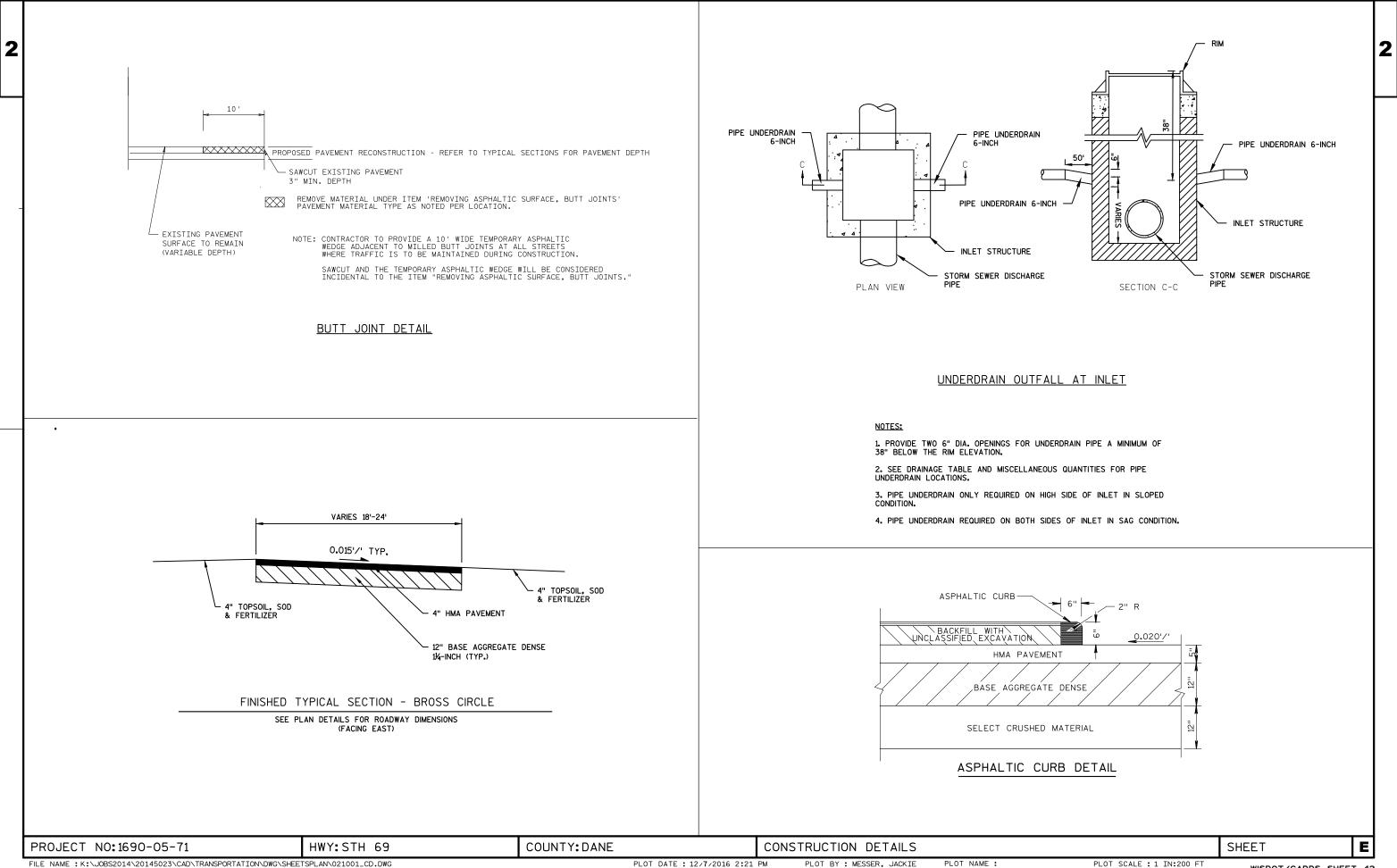
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PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

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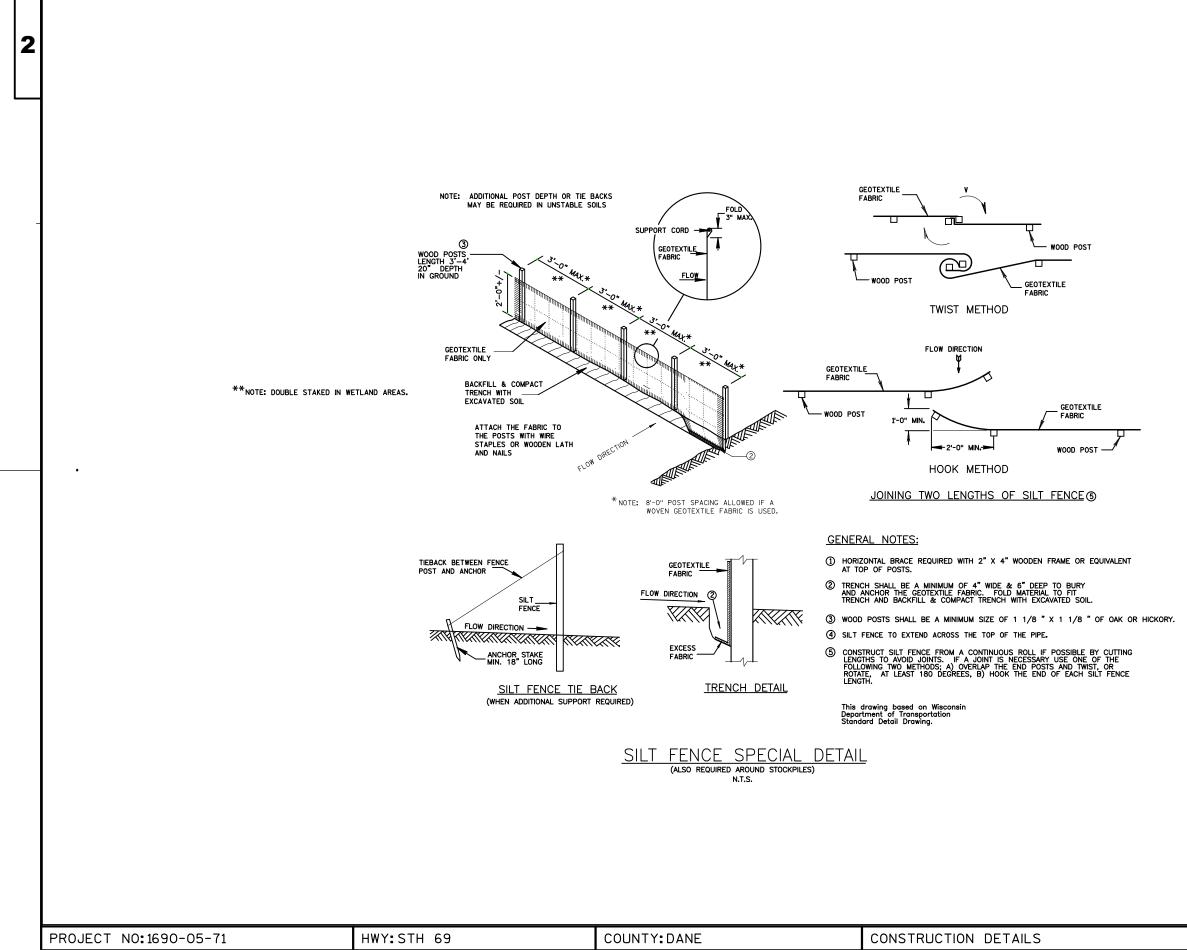




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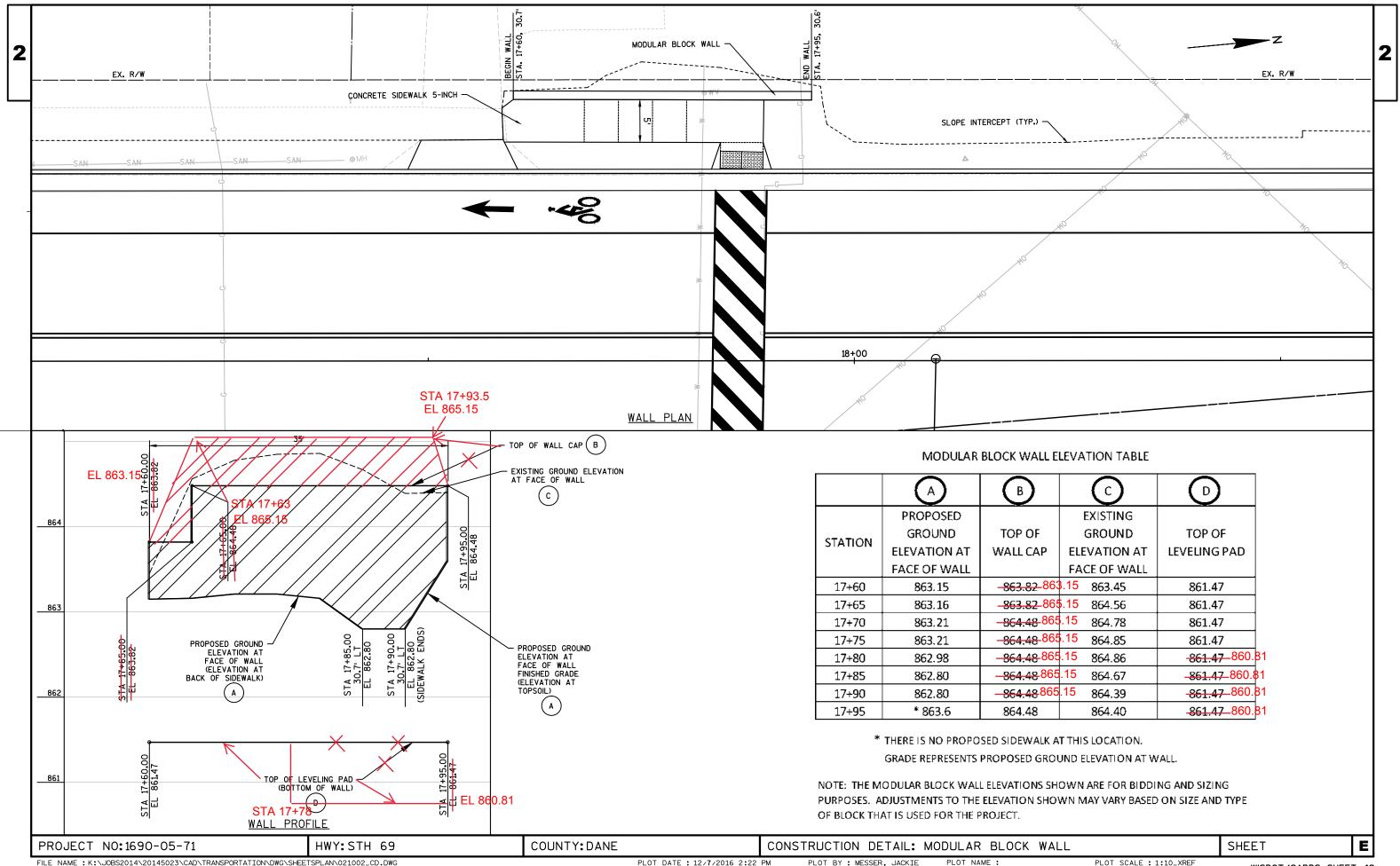
WISDOT/CADDS SHEET 42



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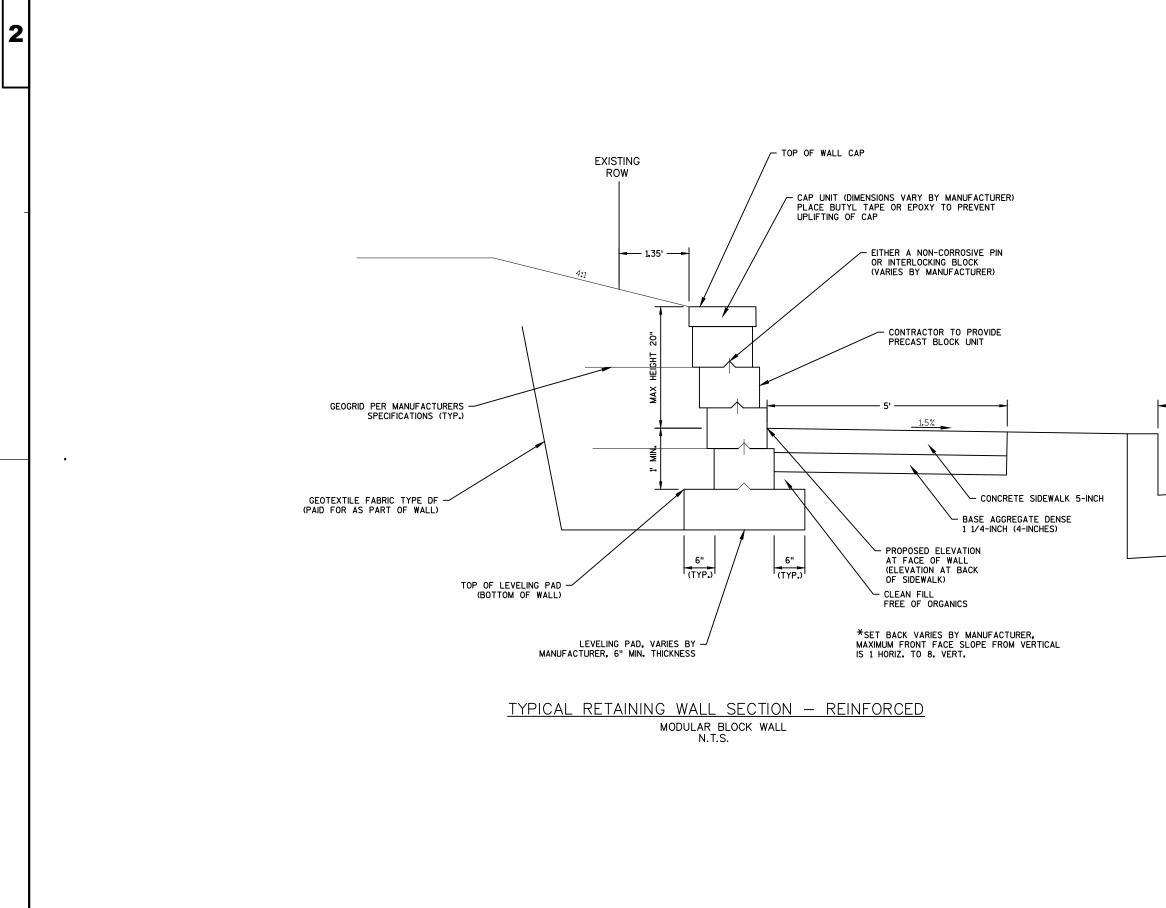
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PLOT DATE : 12/7/2016 2:22 PM

PLOT NAME :



PROJECT NO:1690-05-71	HWY:STH 69	COUNTY: DANE	CONSTRUCTION DETAIL: MODULAR BLOCK W
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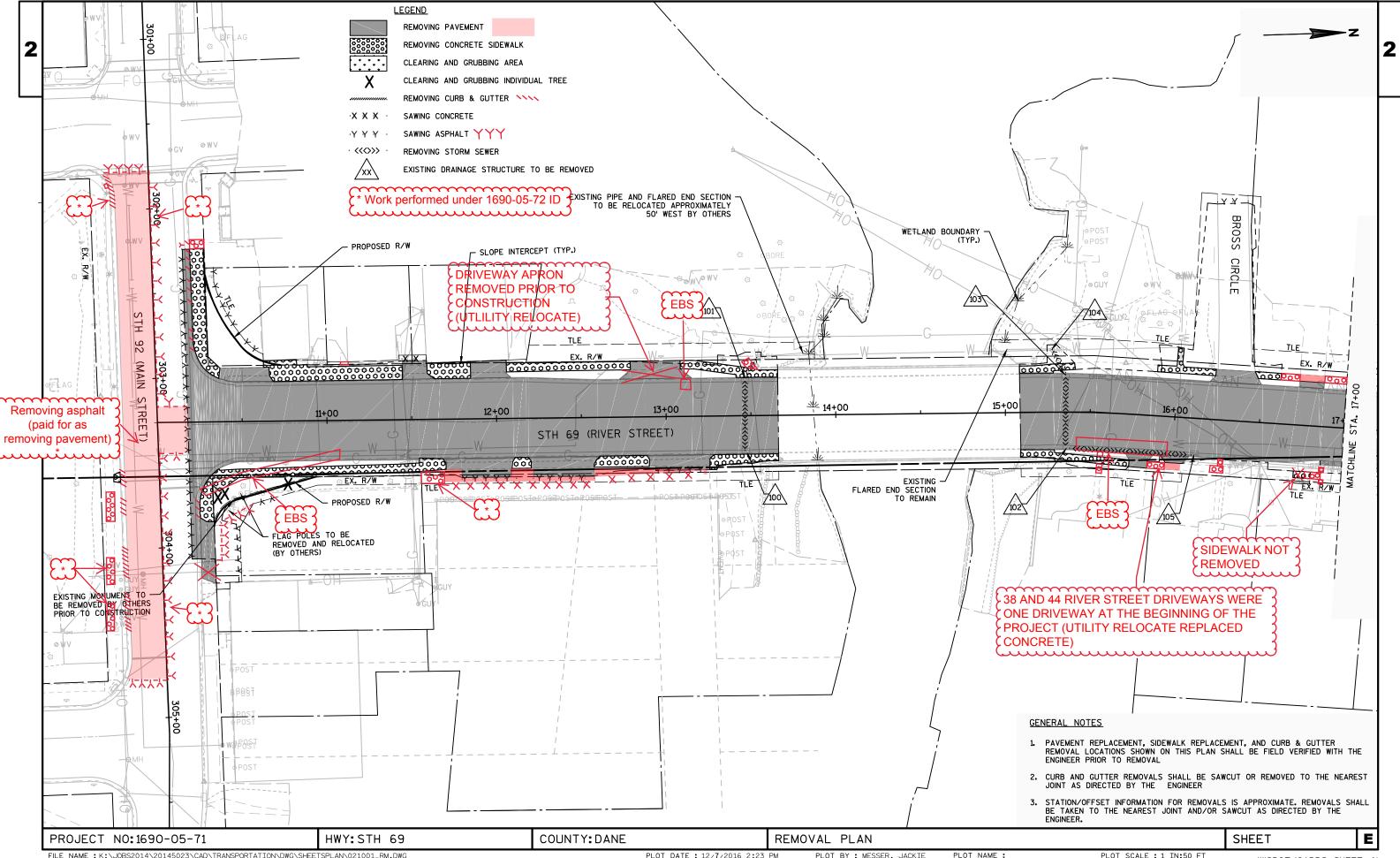
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PLOT DATE : 12/7/2016 2:22 PM PLOT BY : MESSER, JACKIE 2

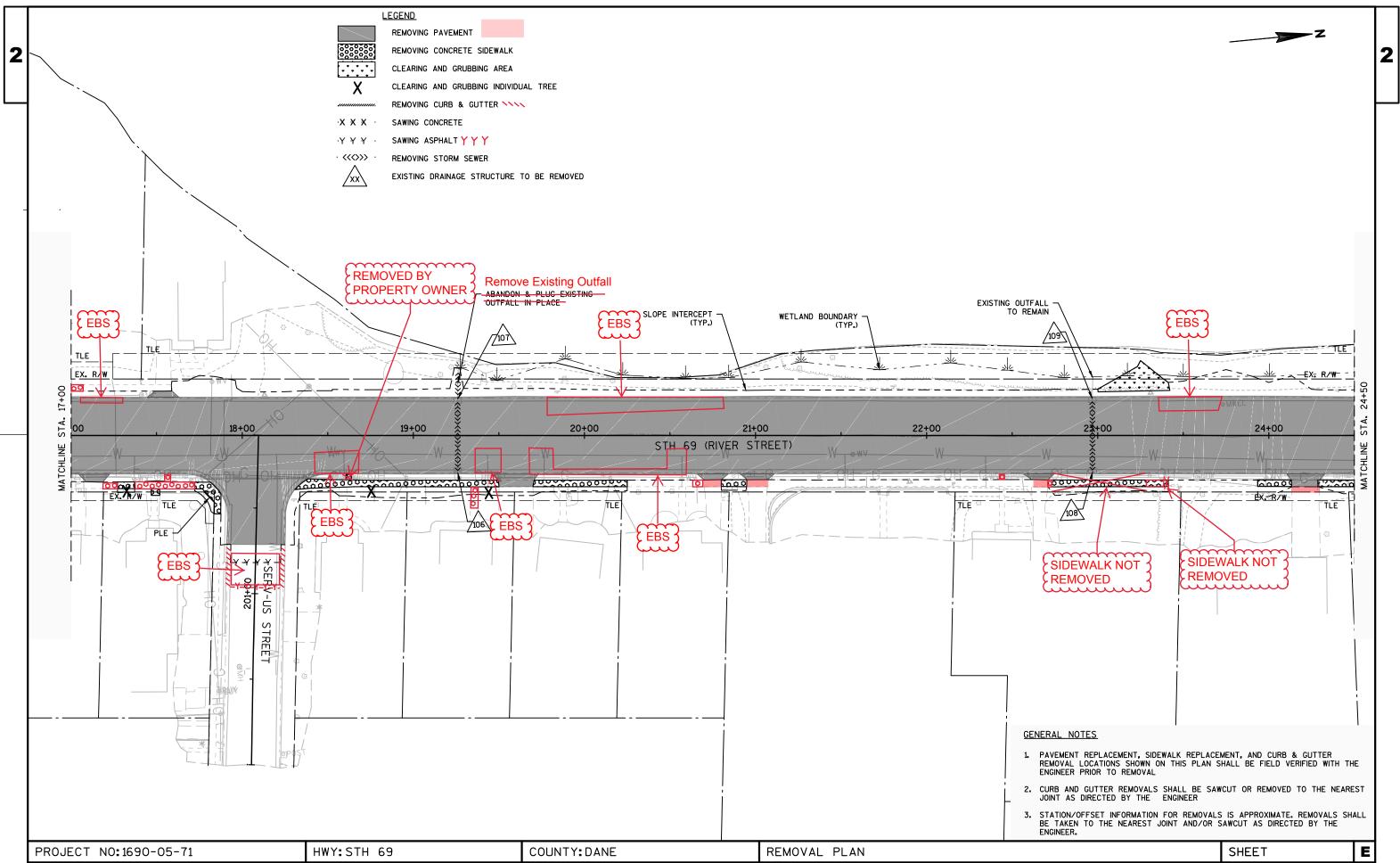


WALL				
	PLOT	SCALE	:	********

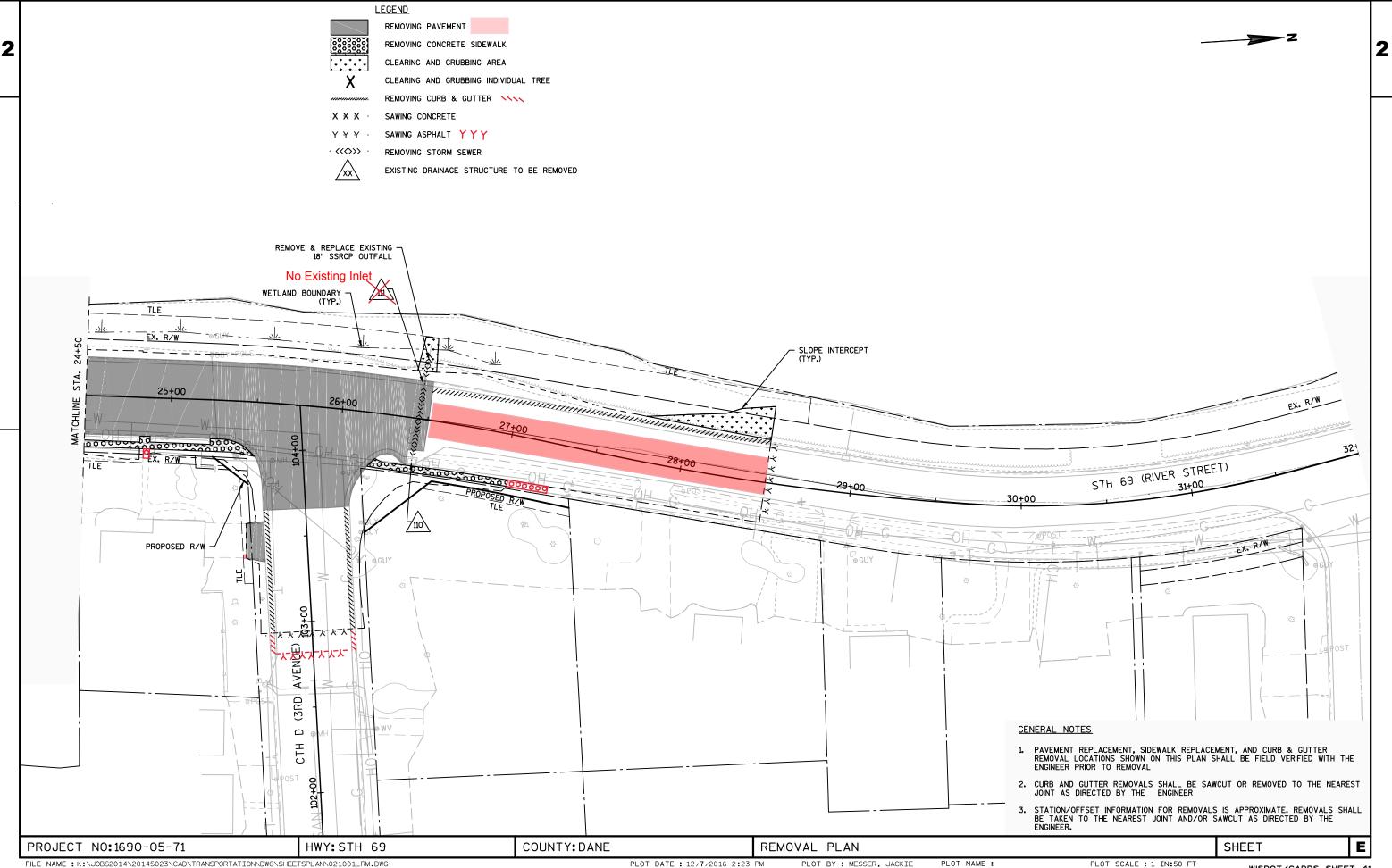
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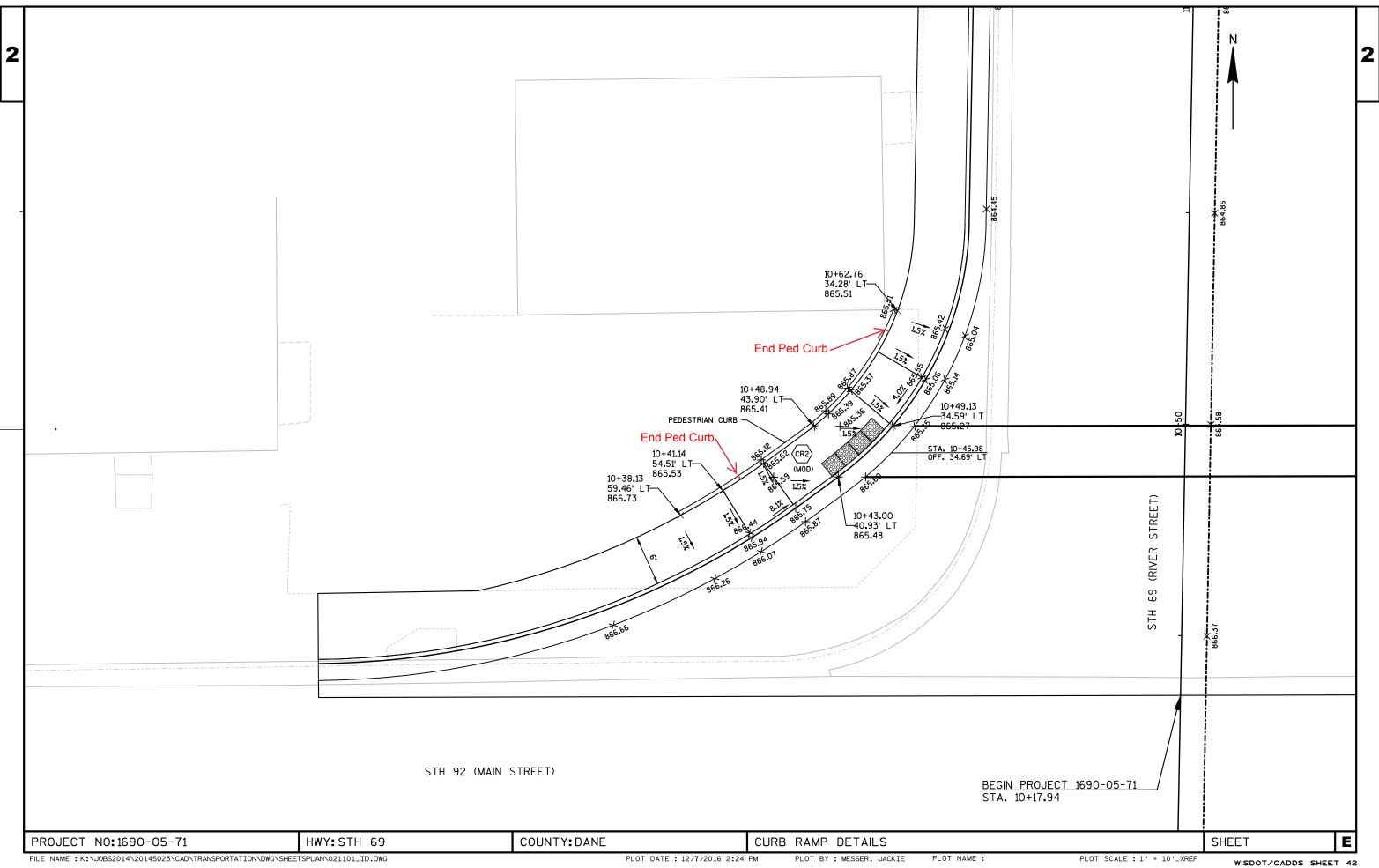


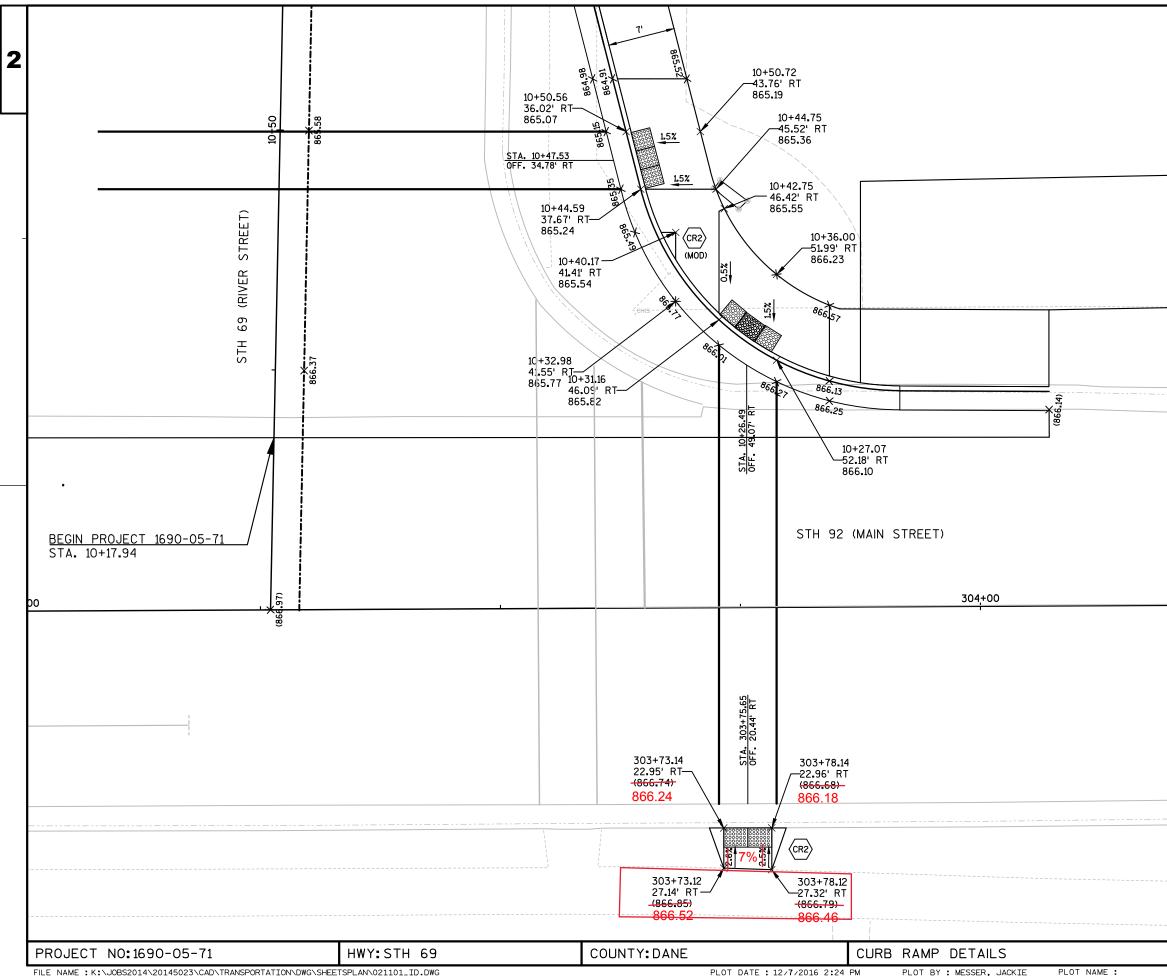
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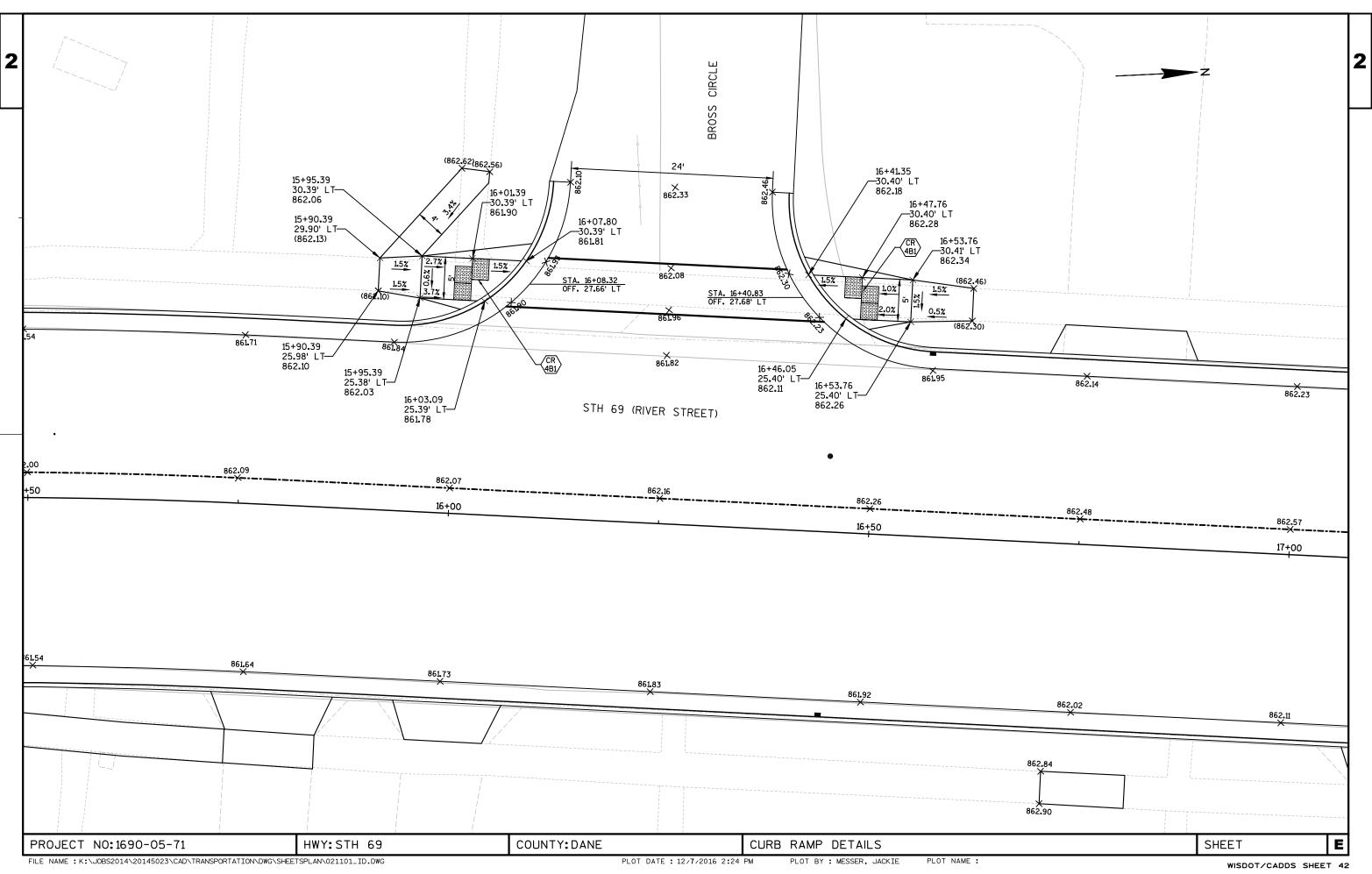
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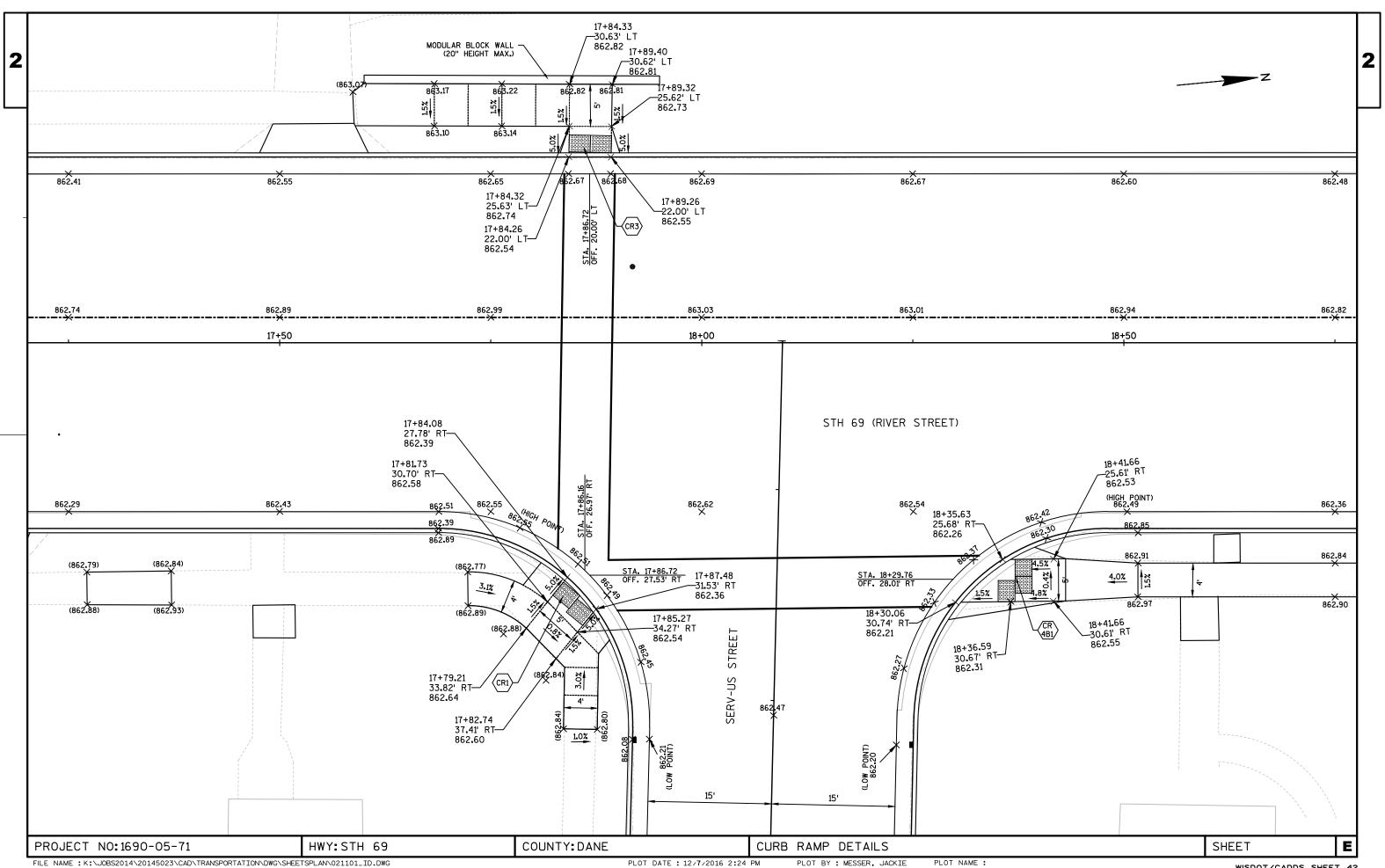
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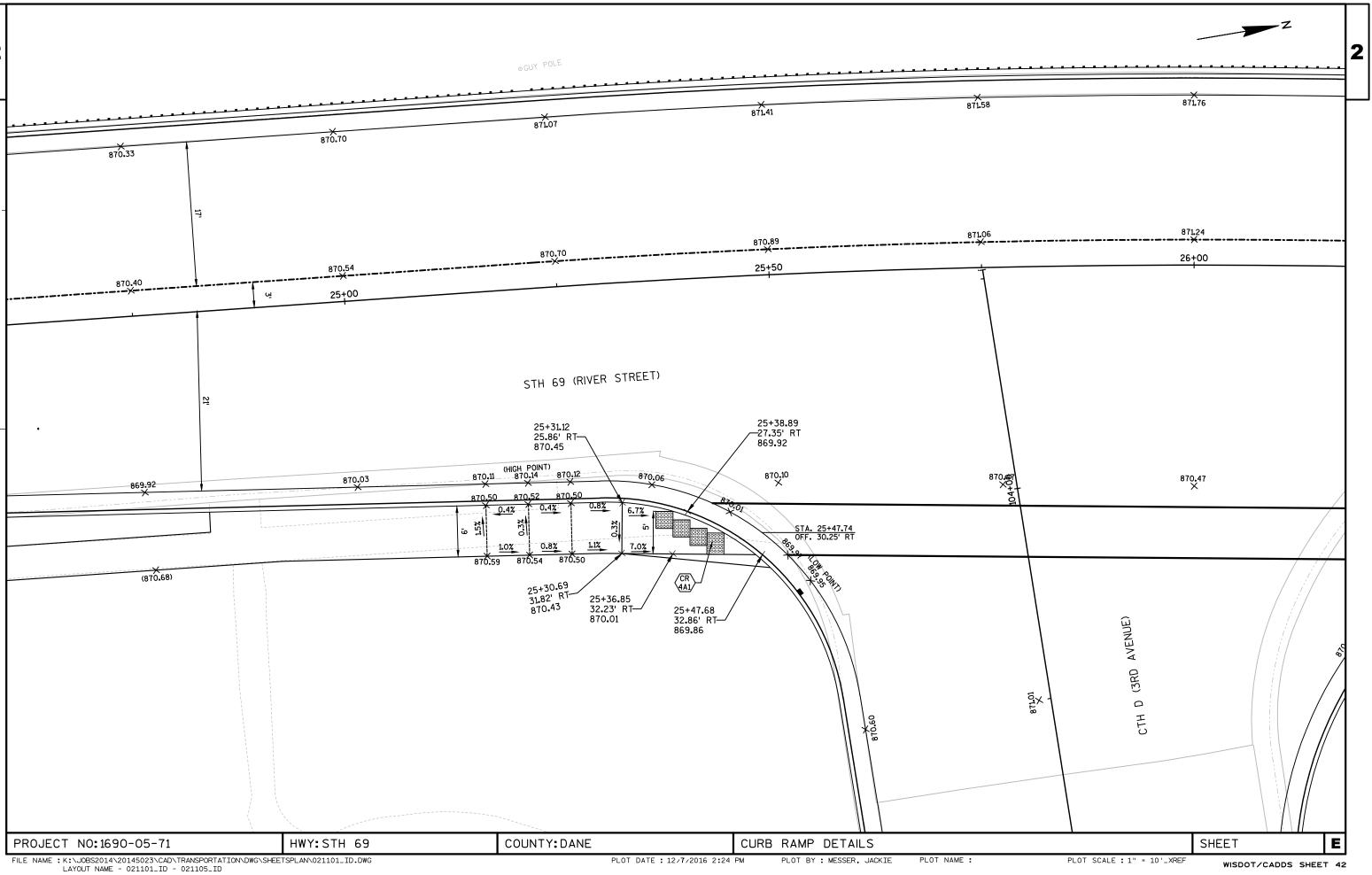


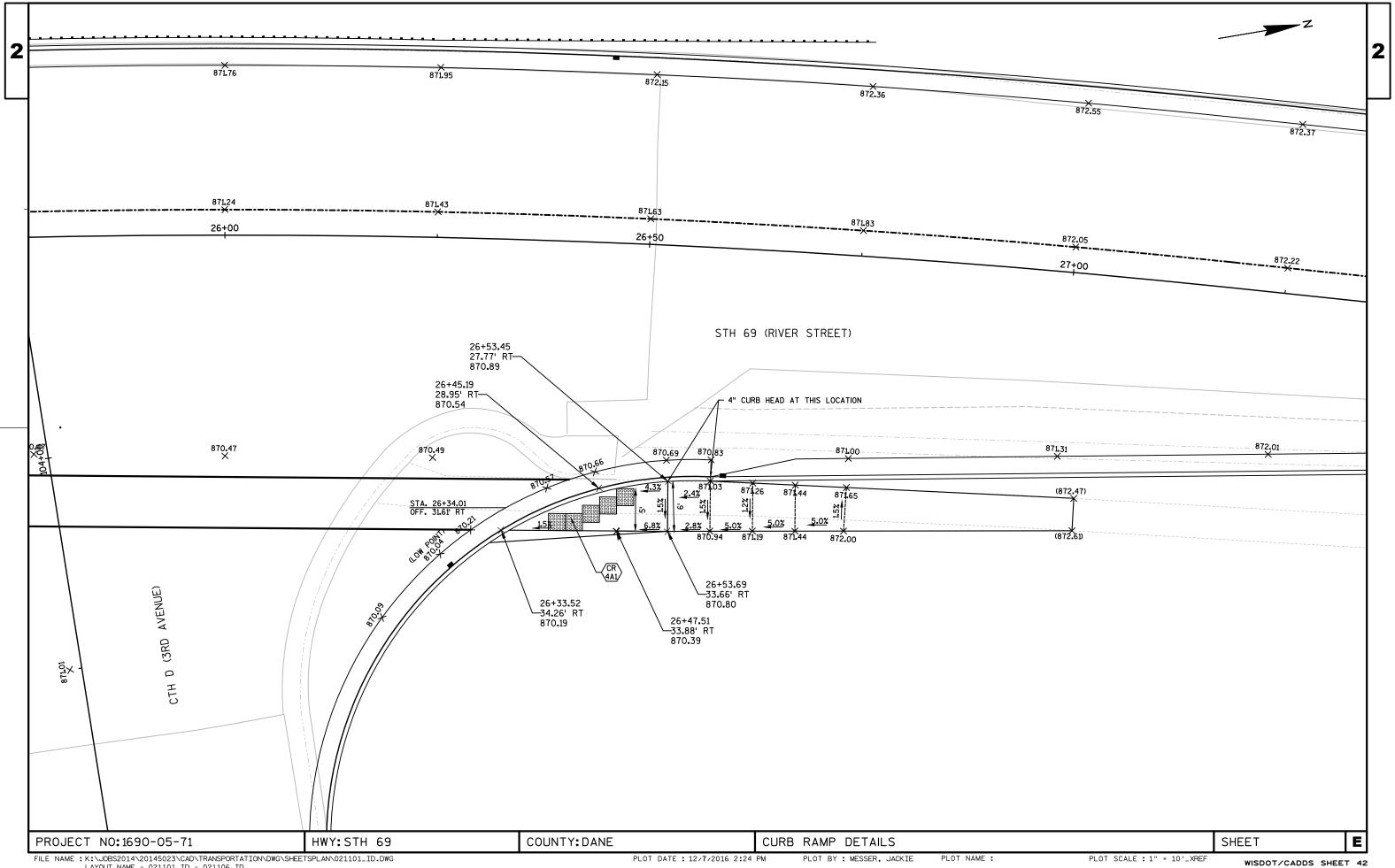


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 	SHEET	
PLOT SCALE : **********	WISDOT/CADDS SHEET 4	



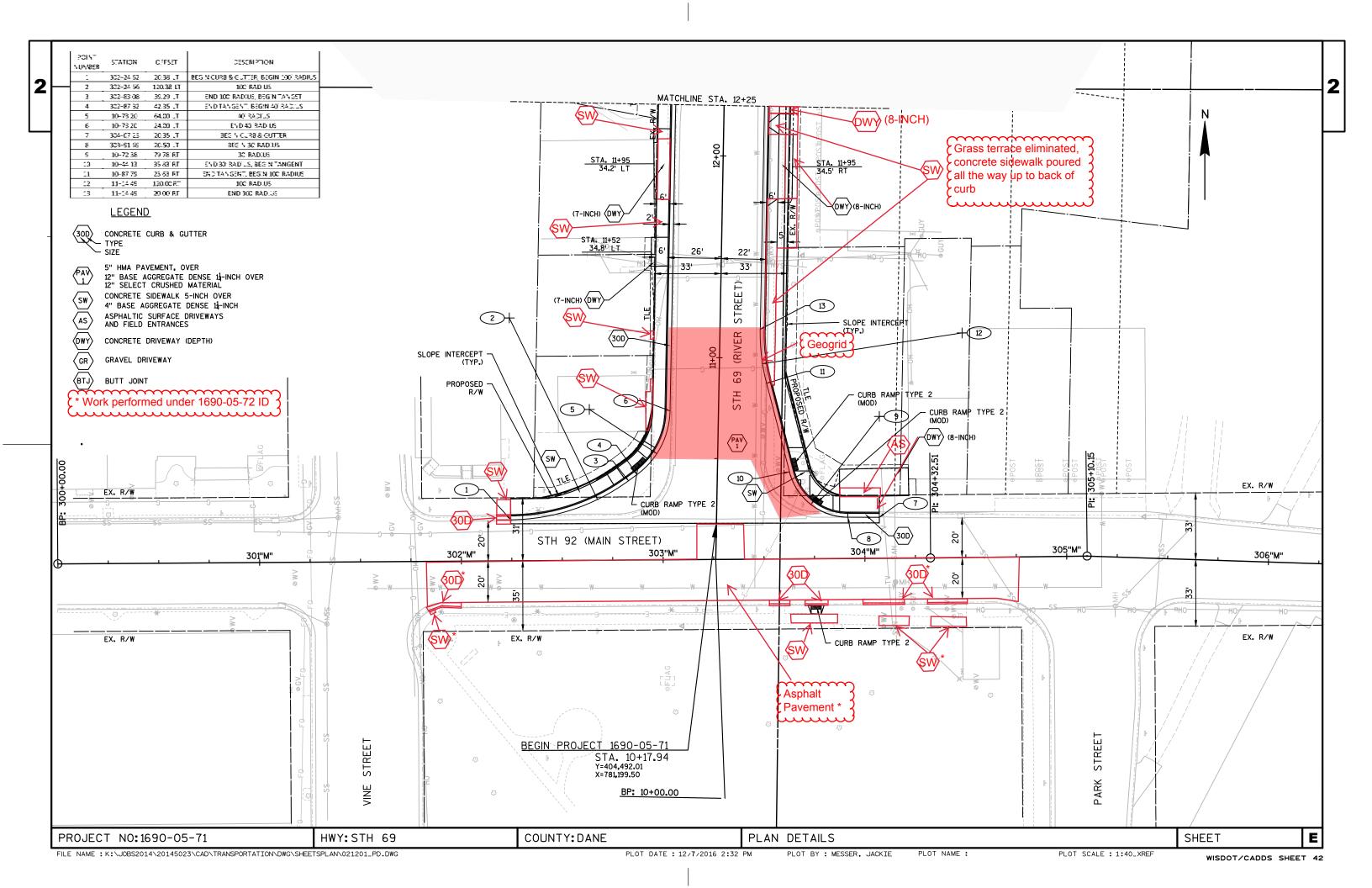


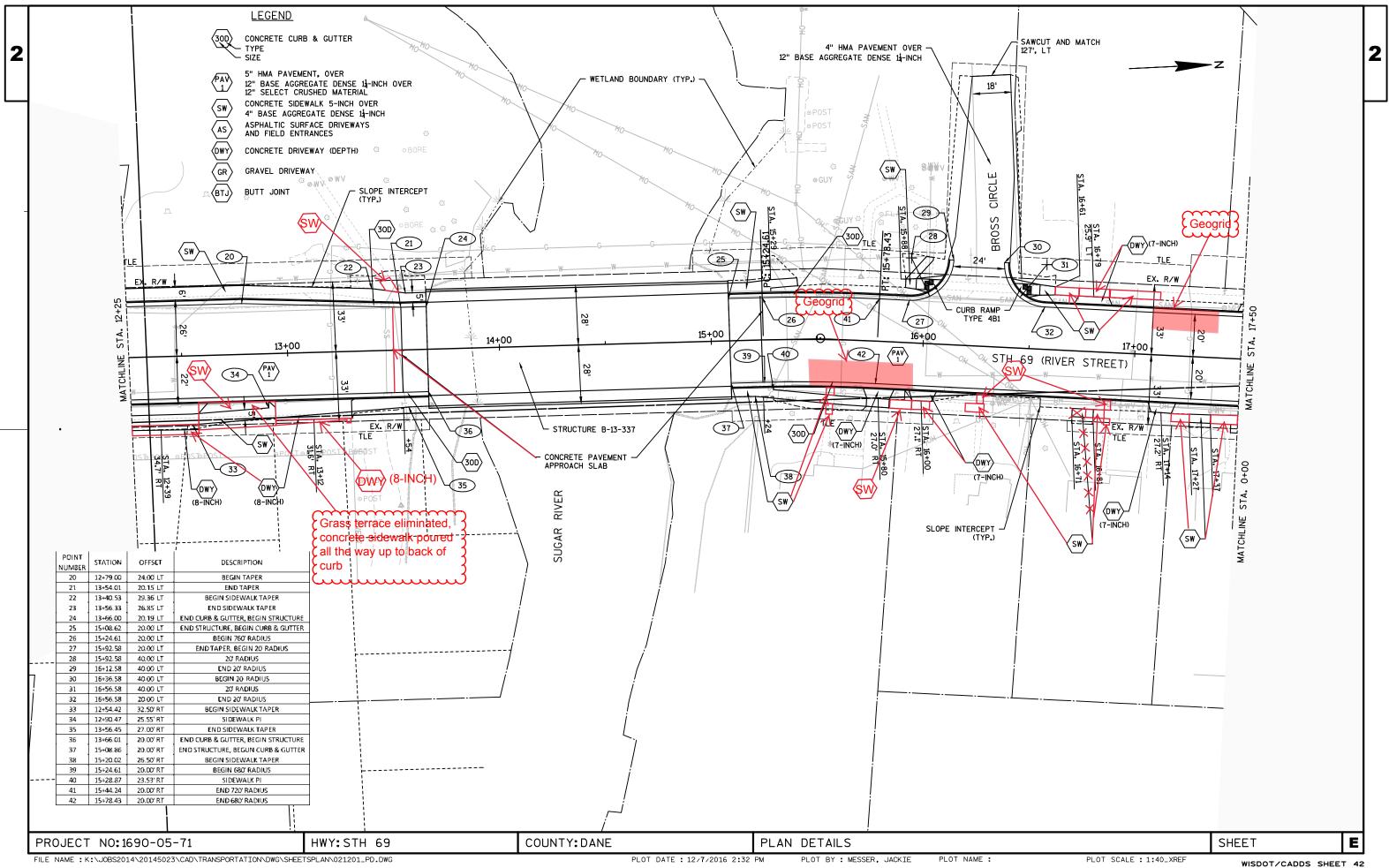


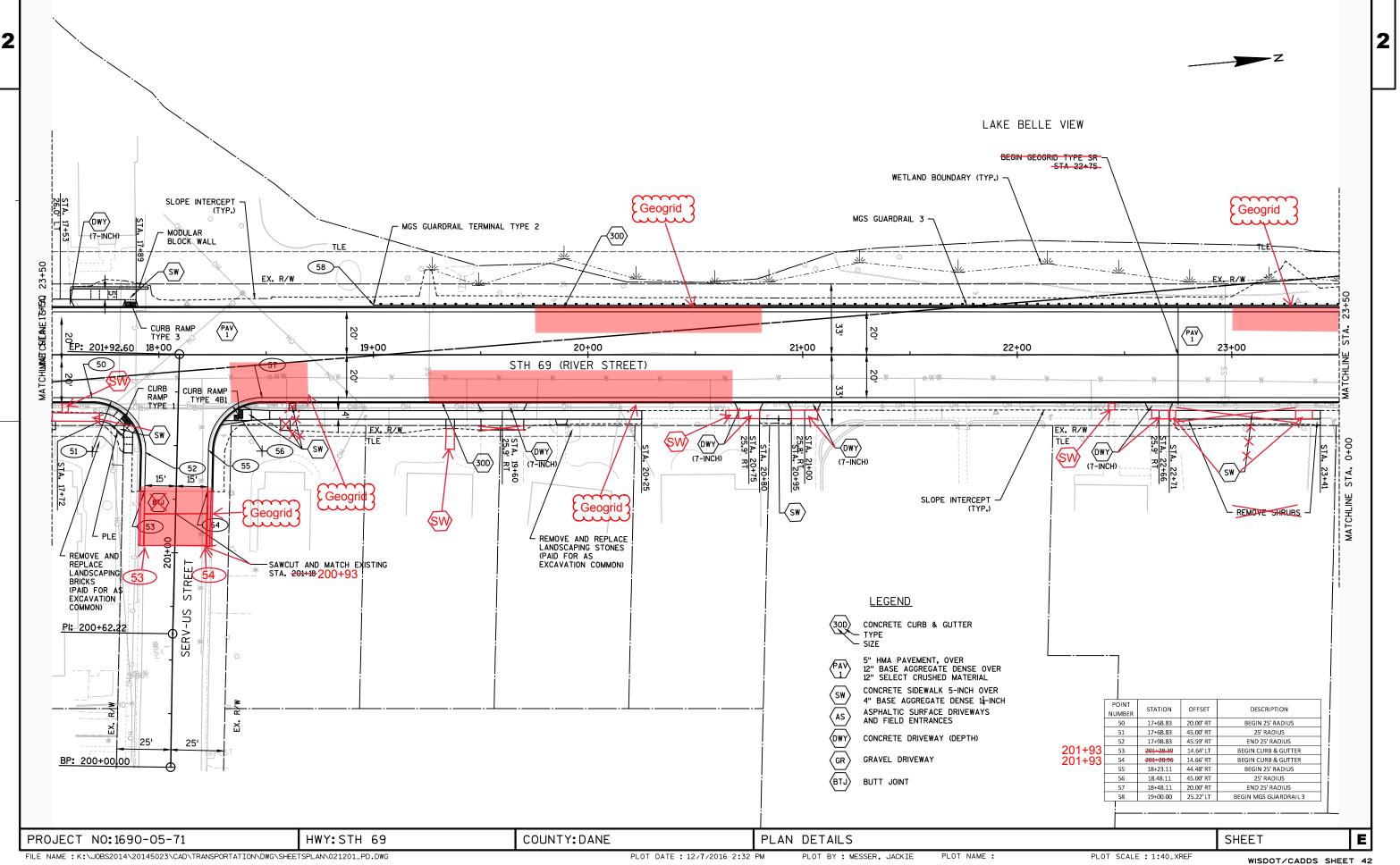


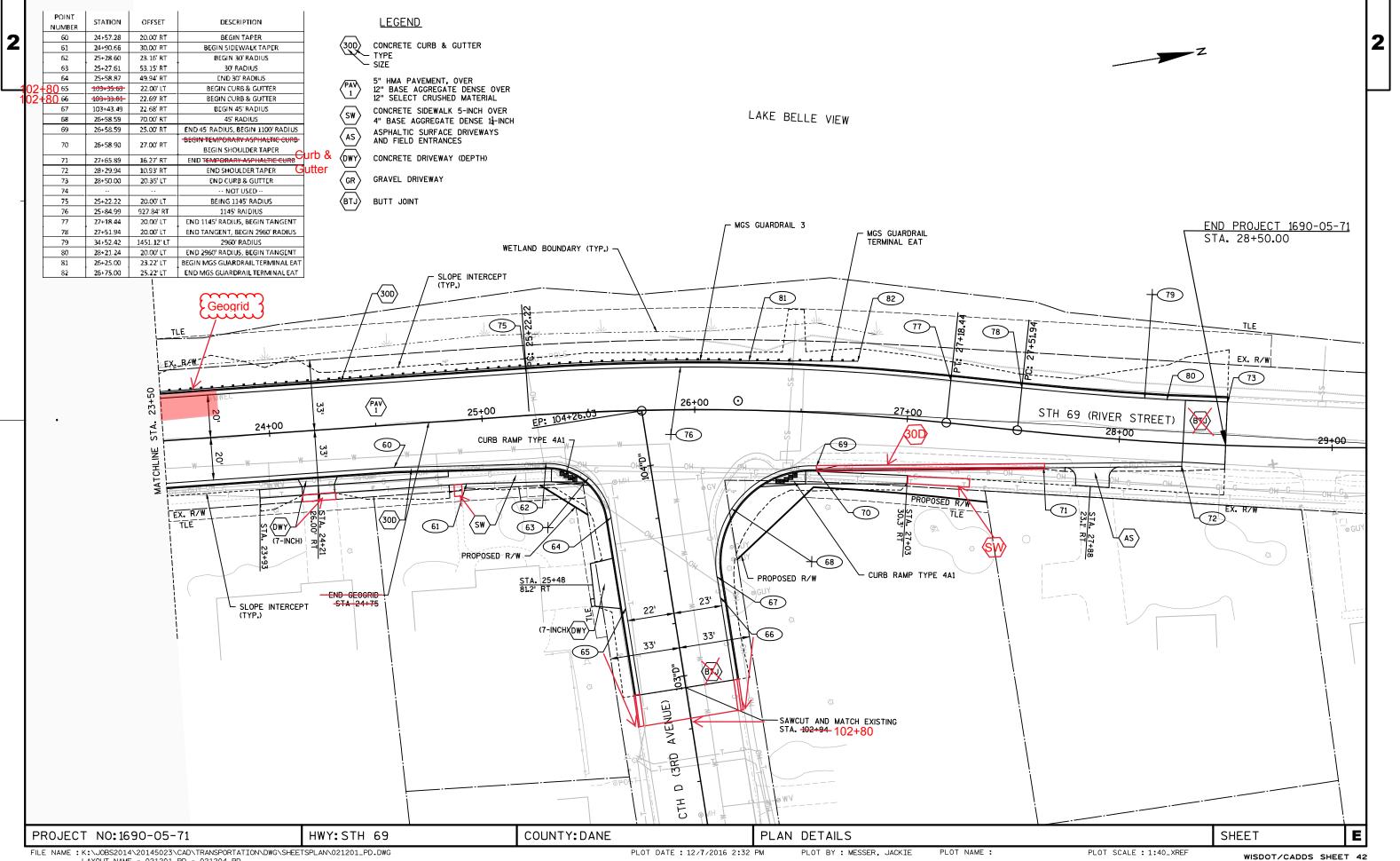
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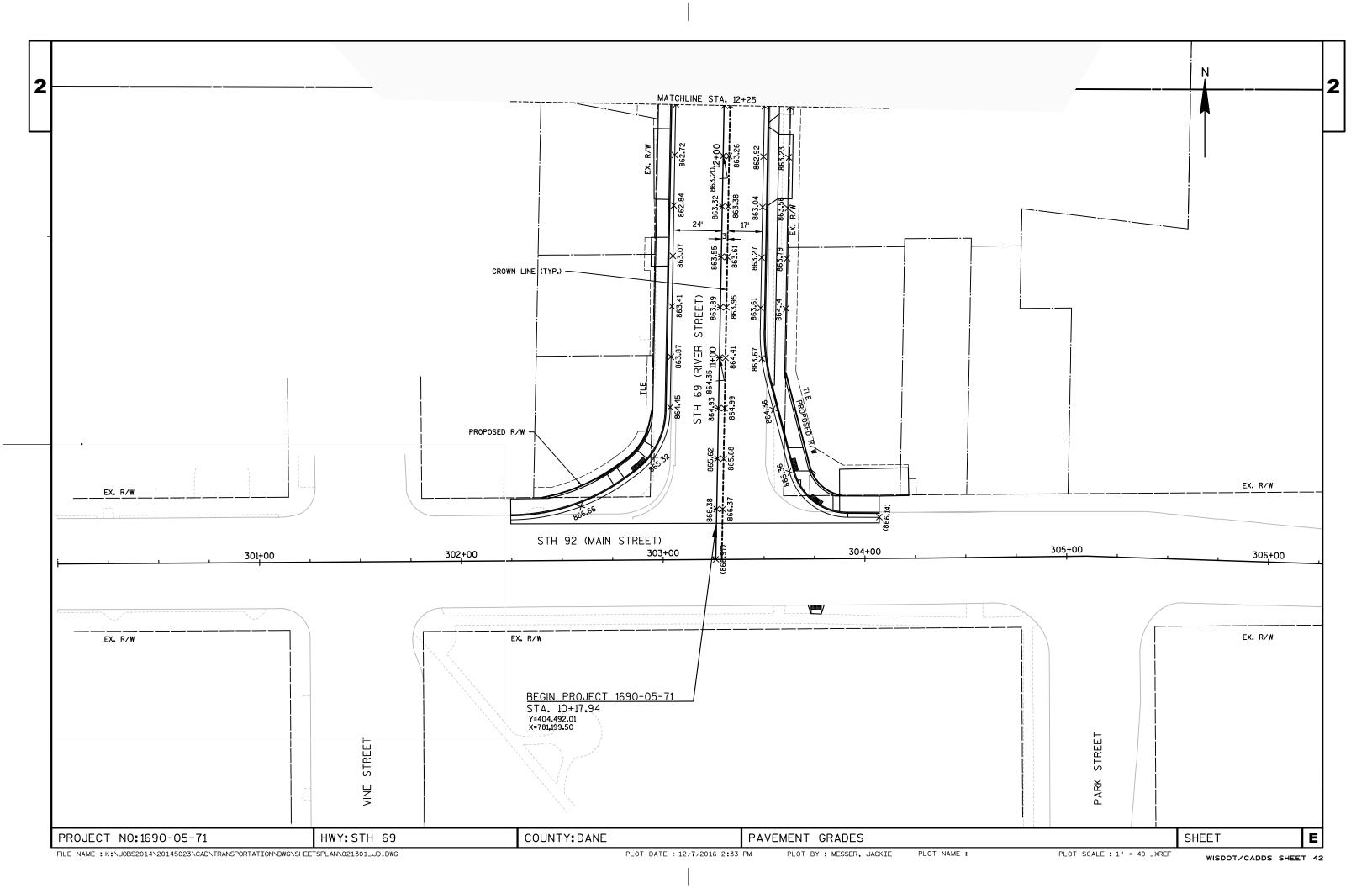
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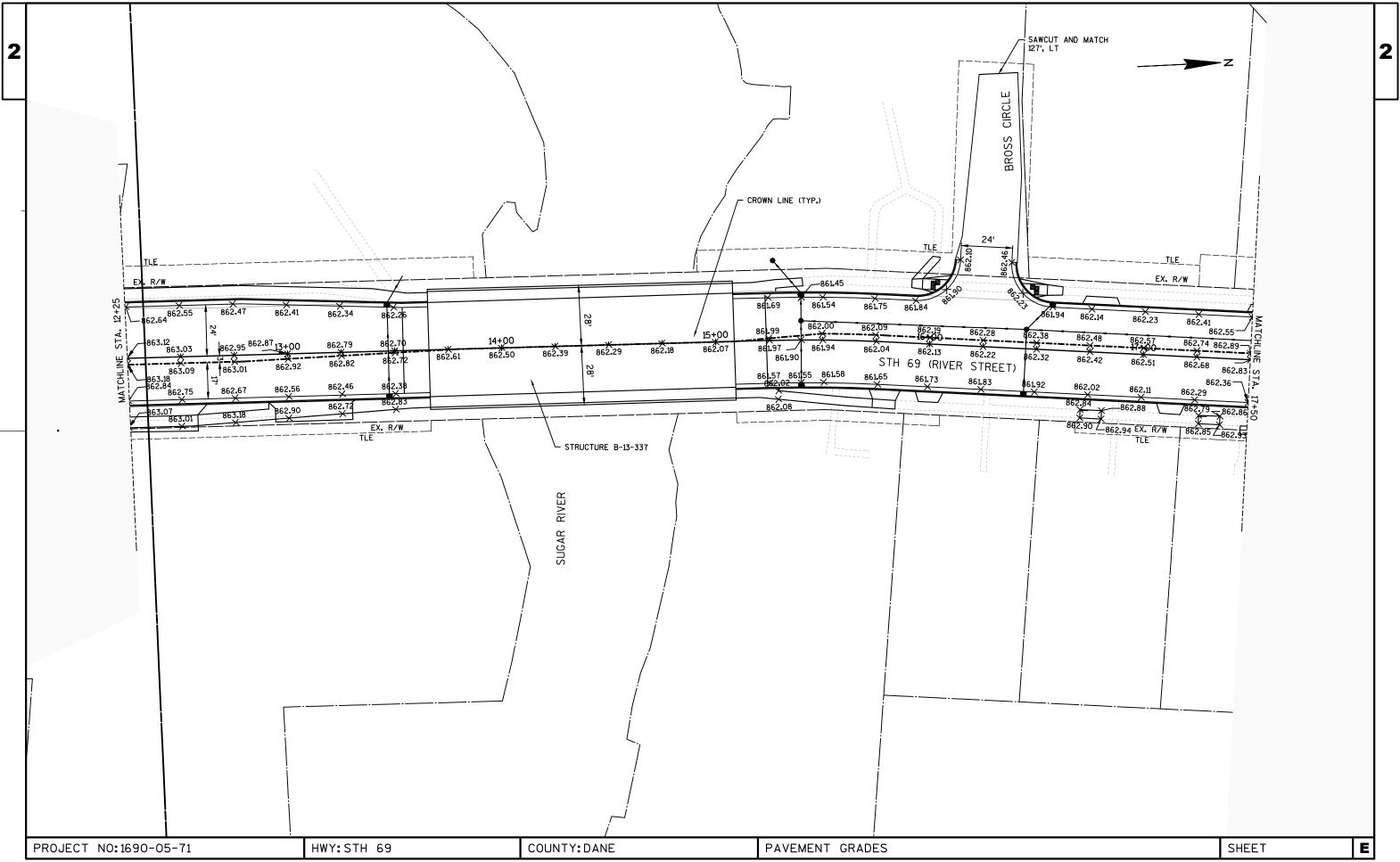


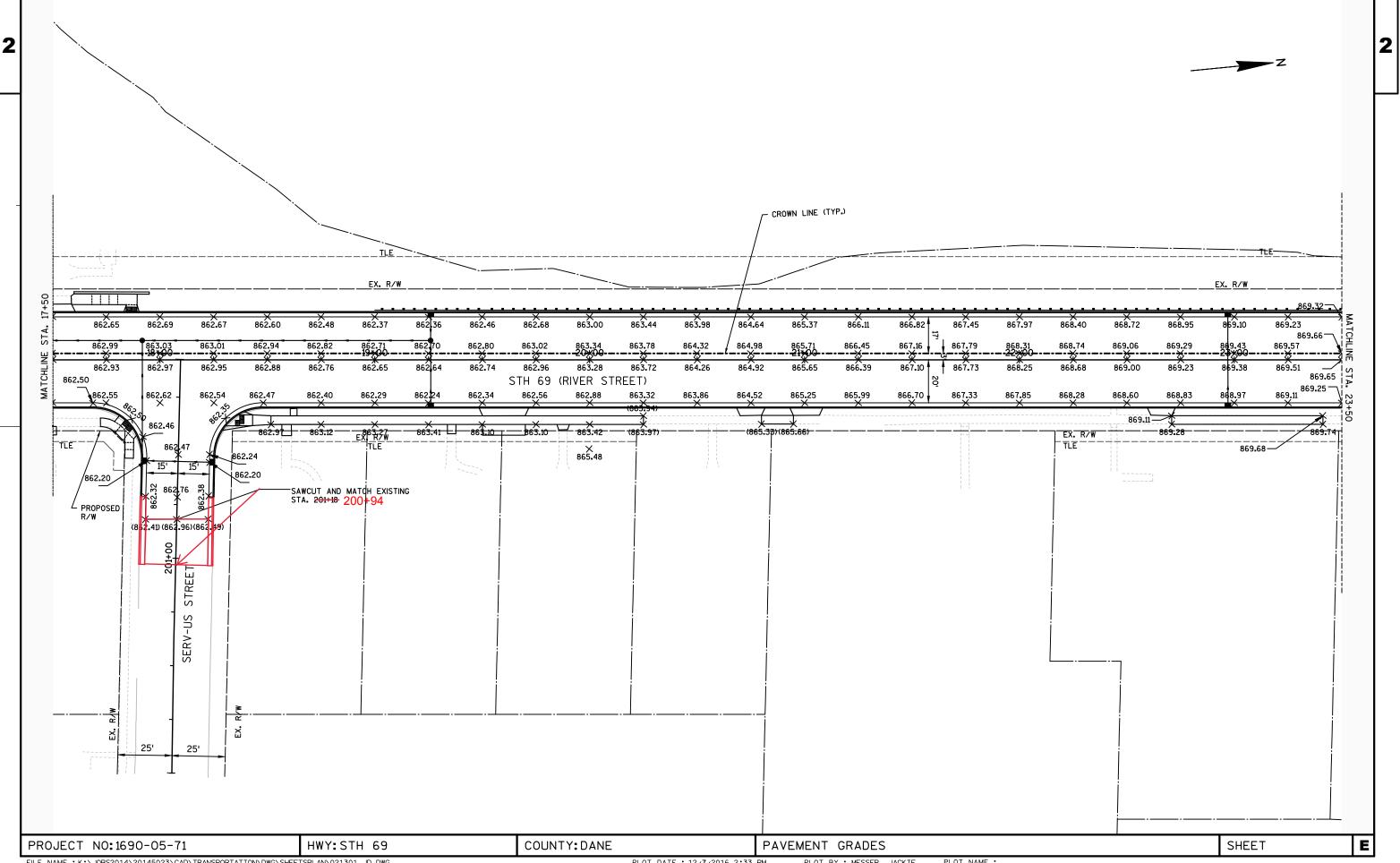


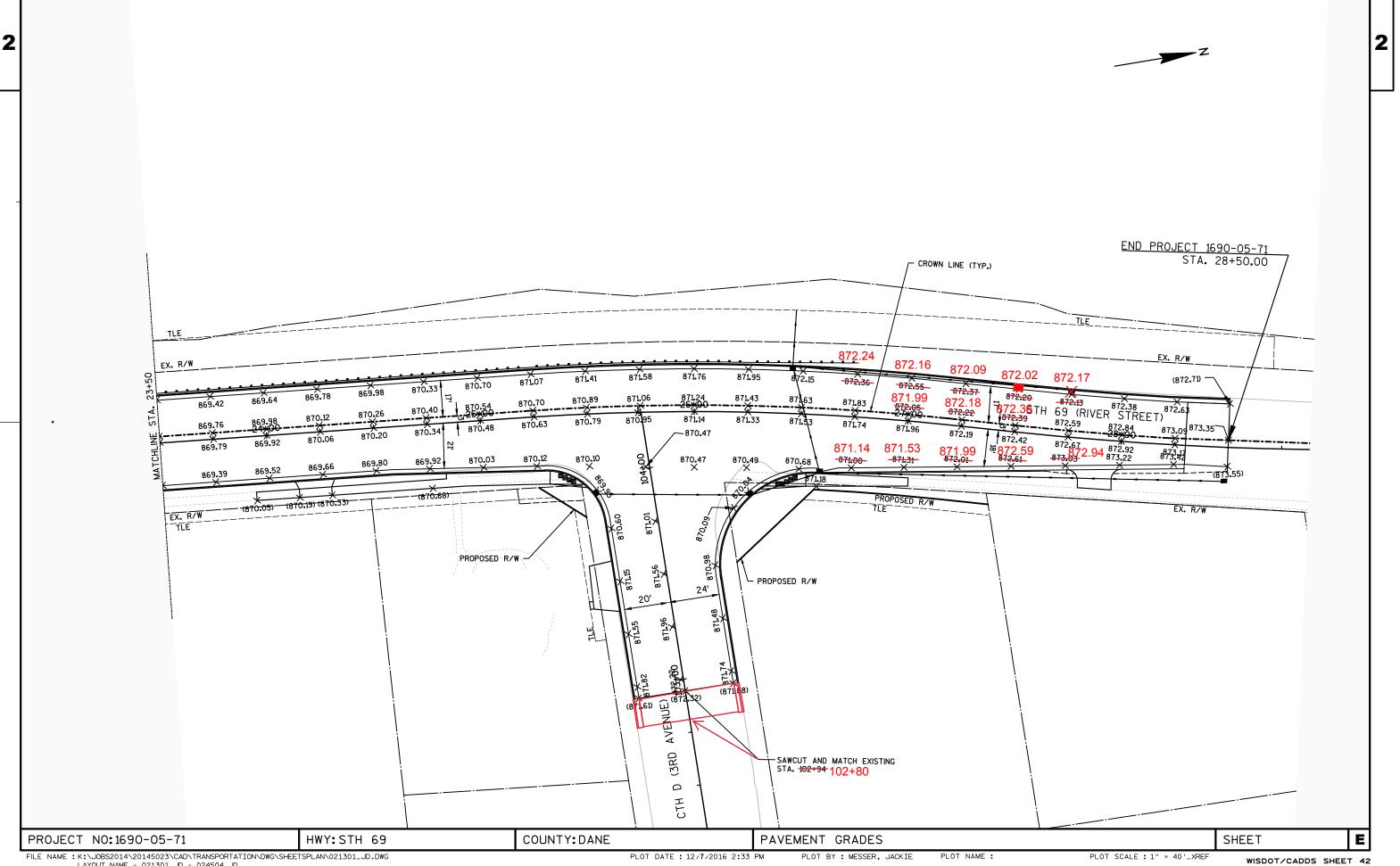


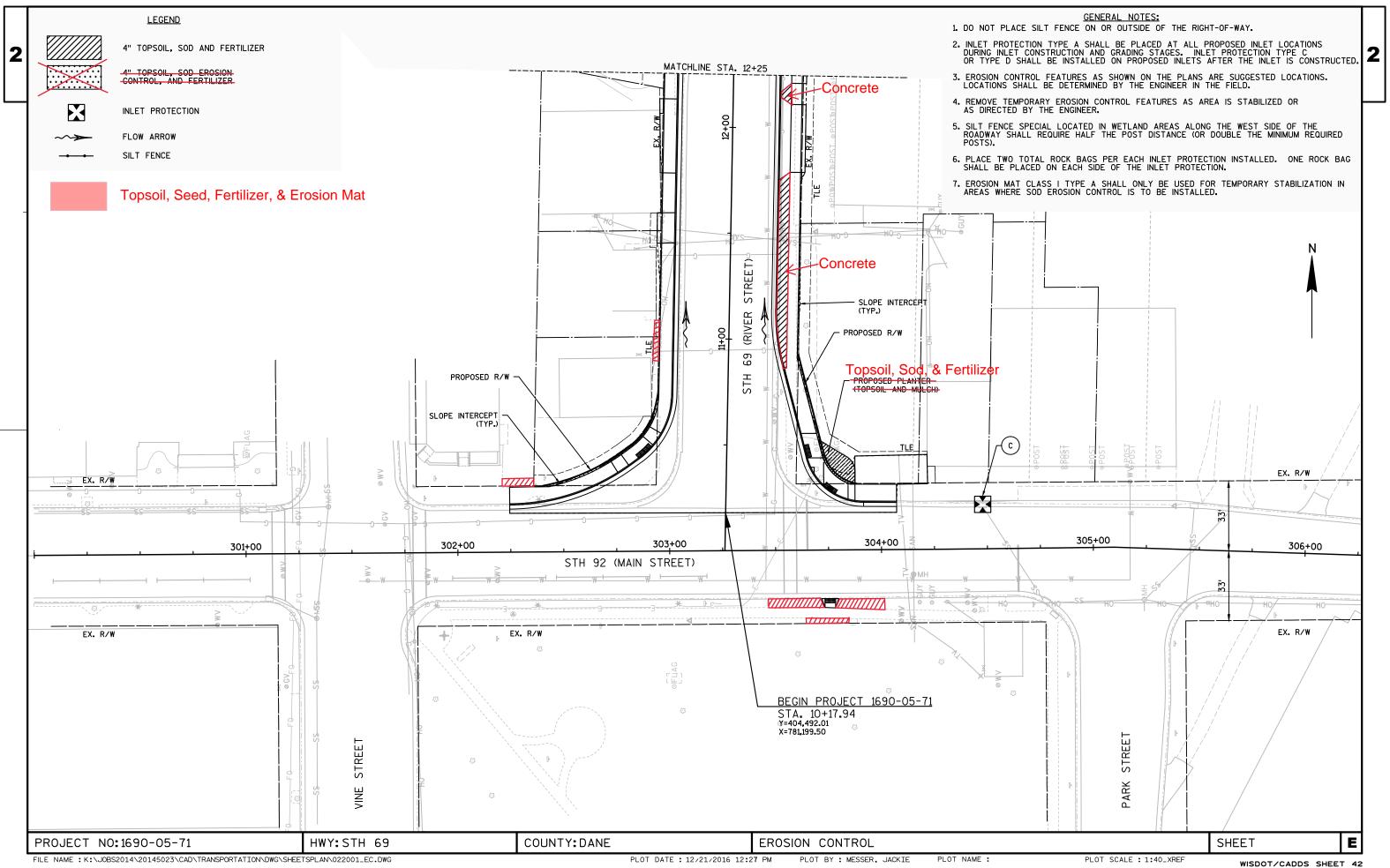


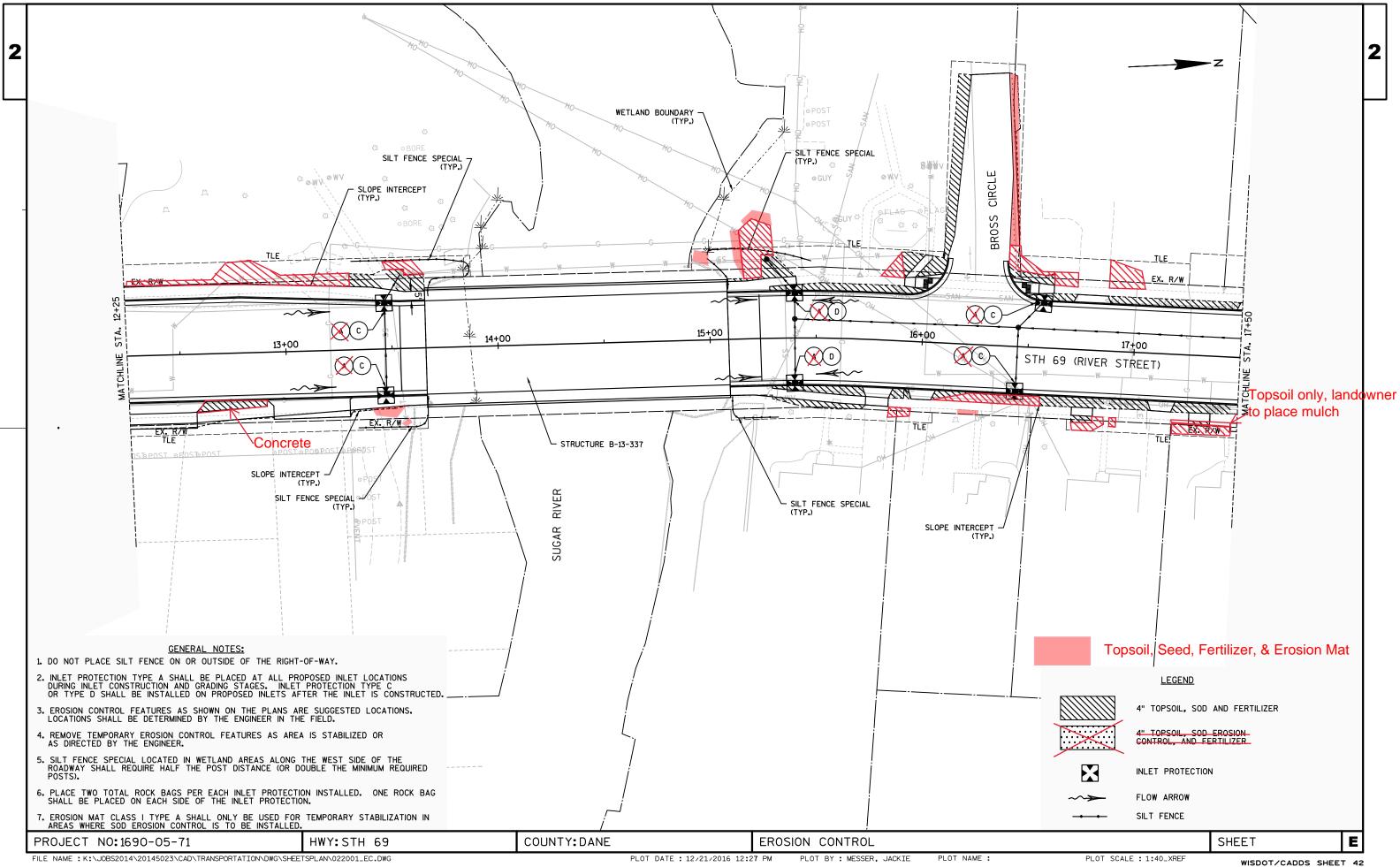




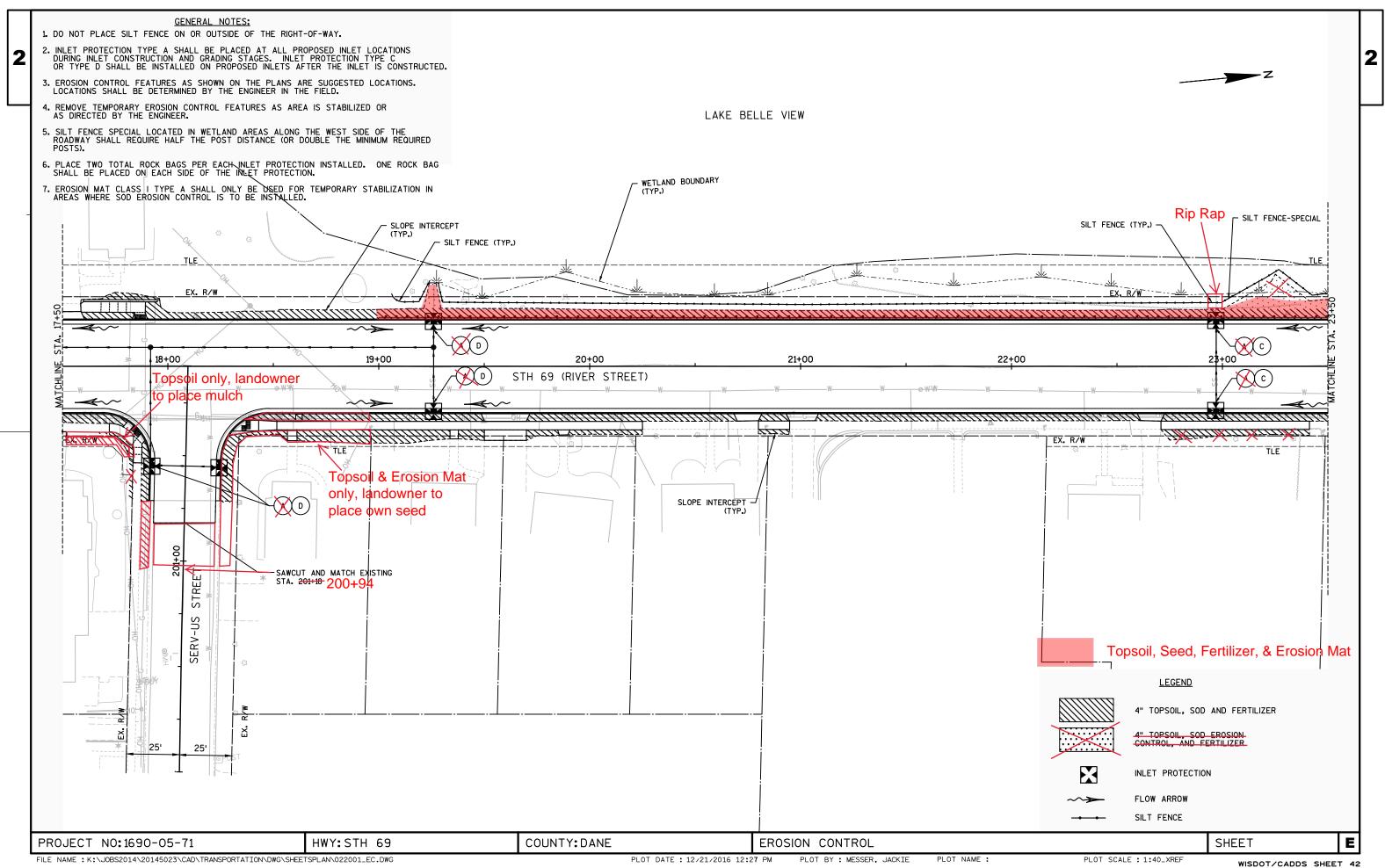




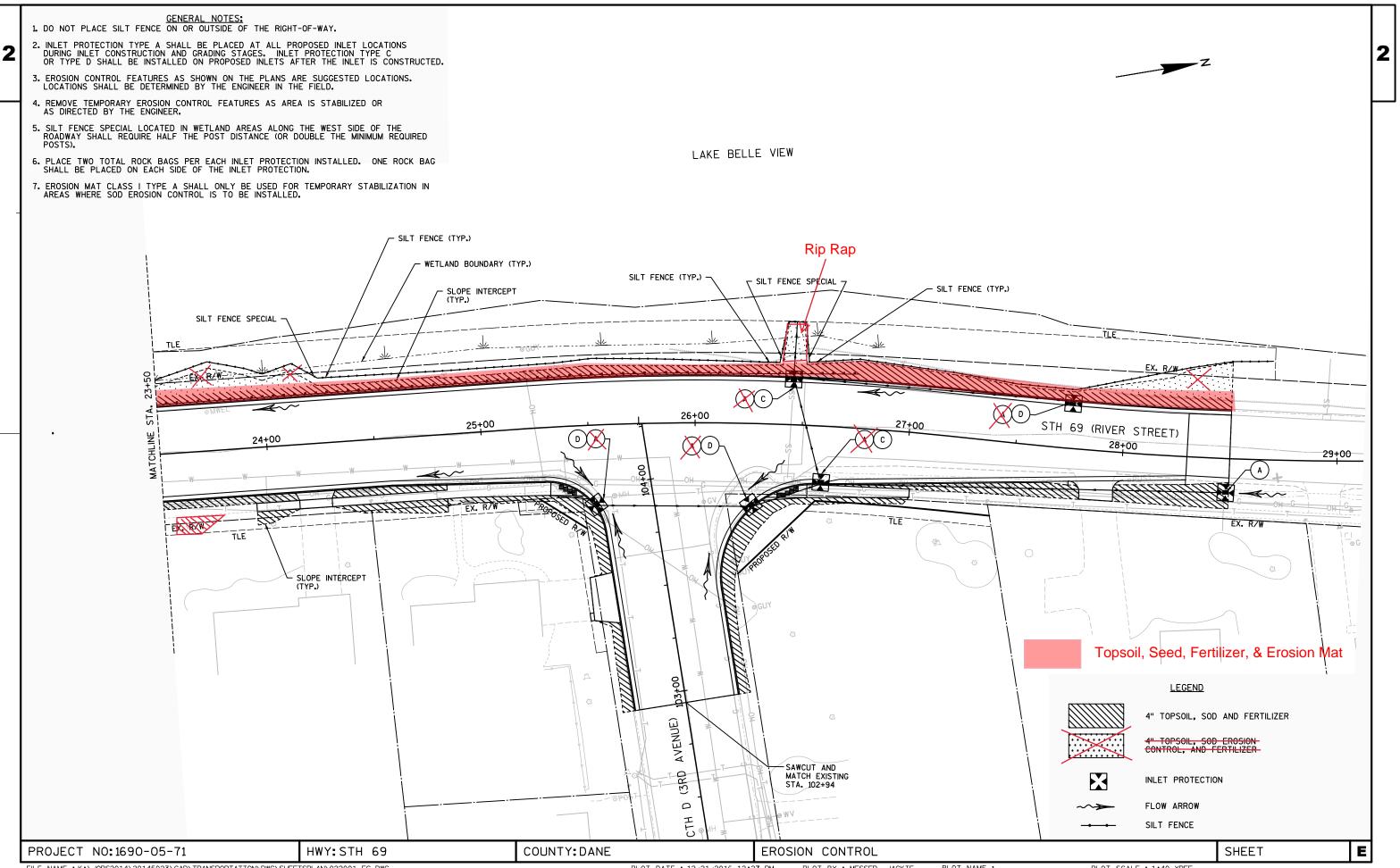




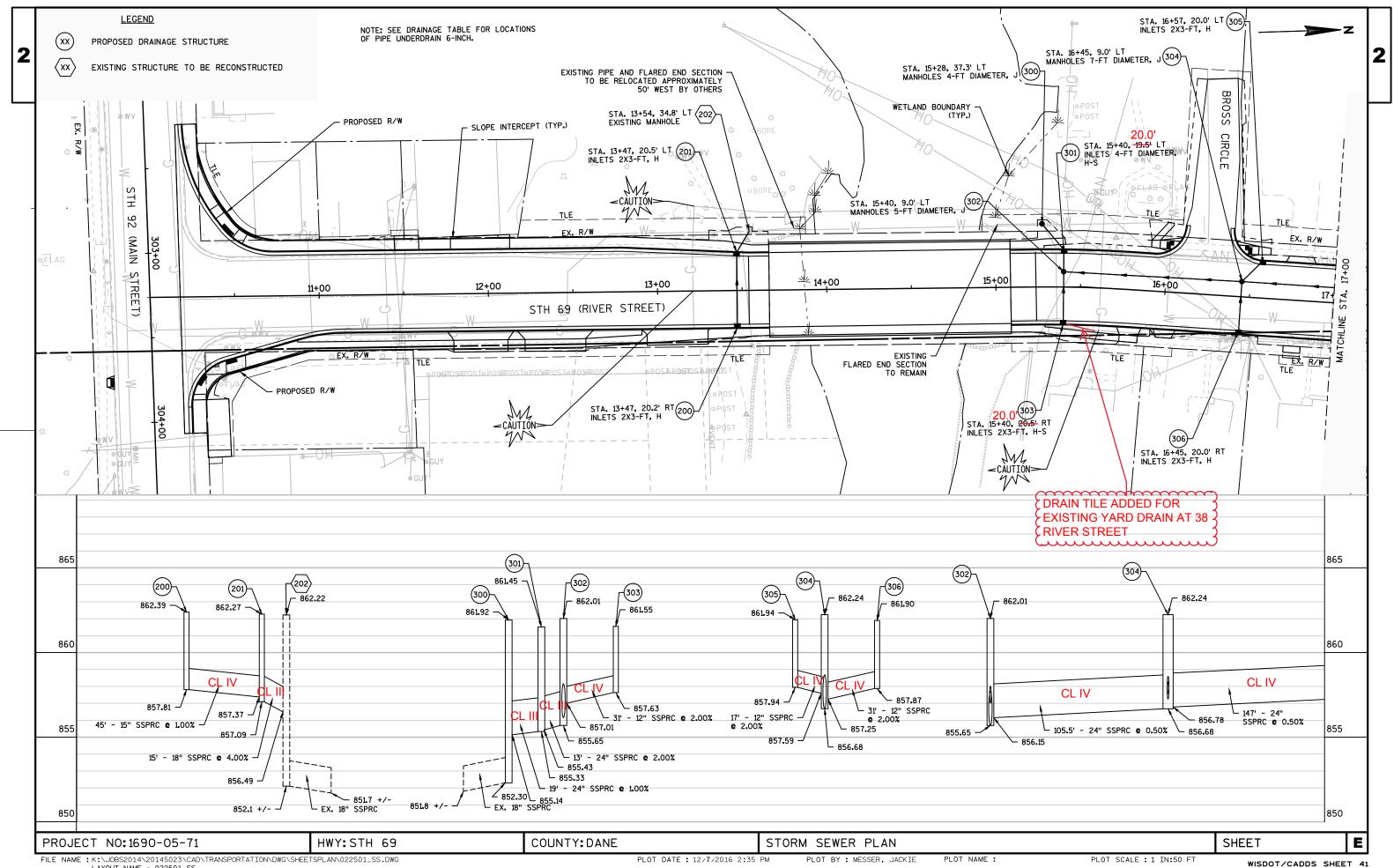
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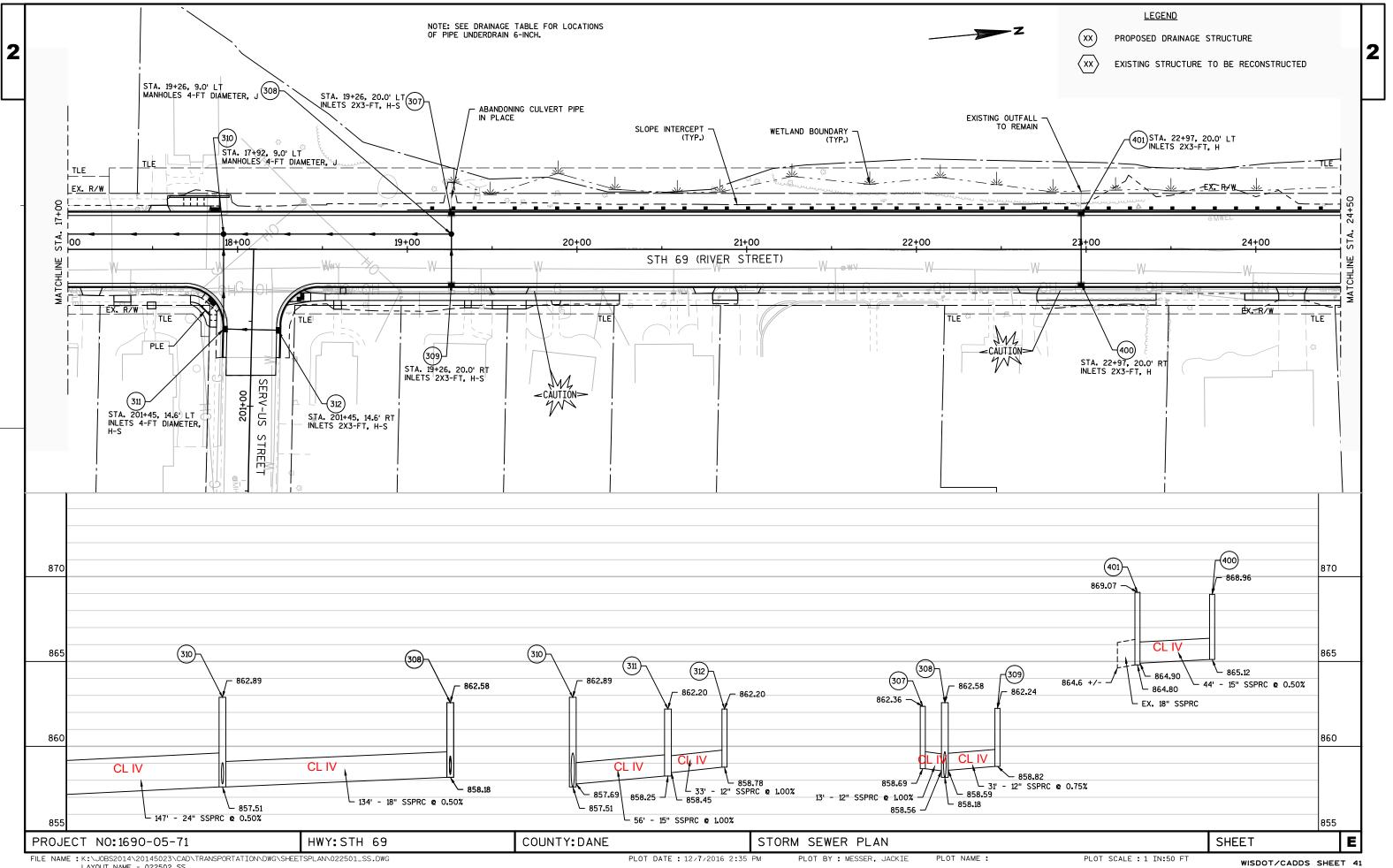


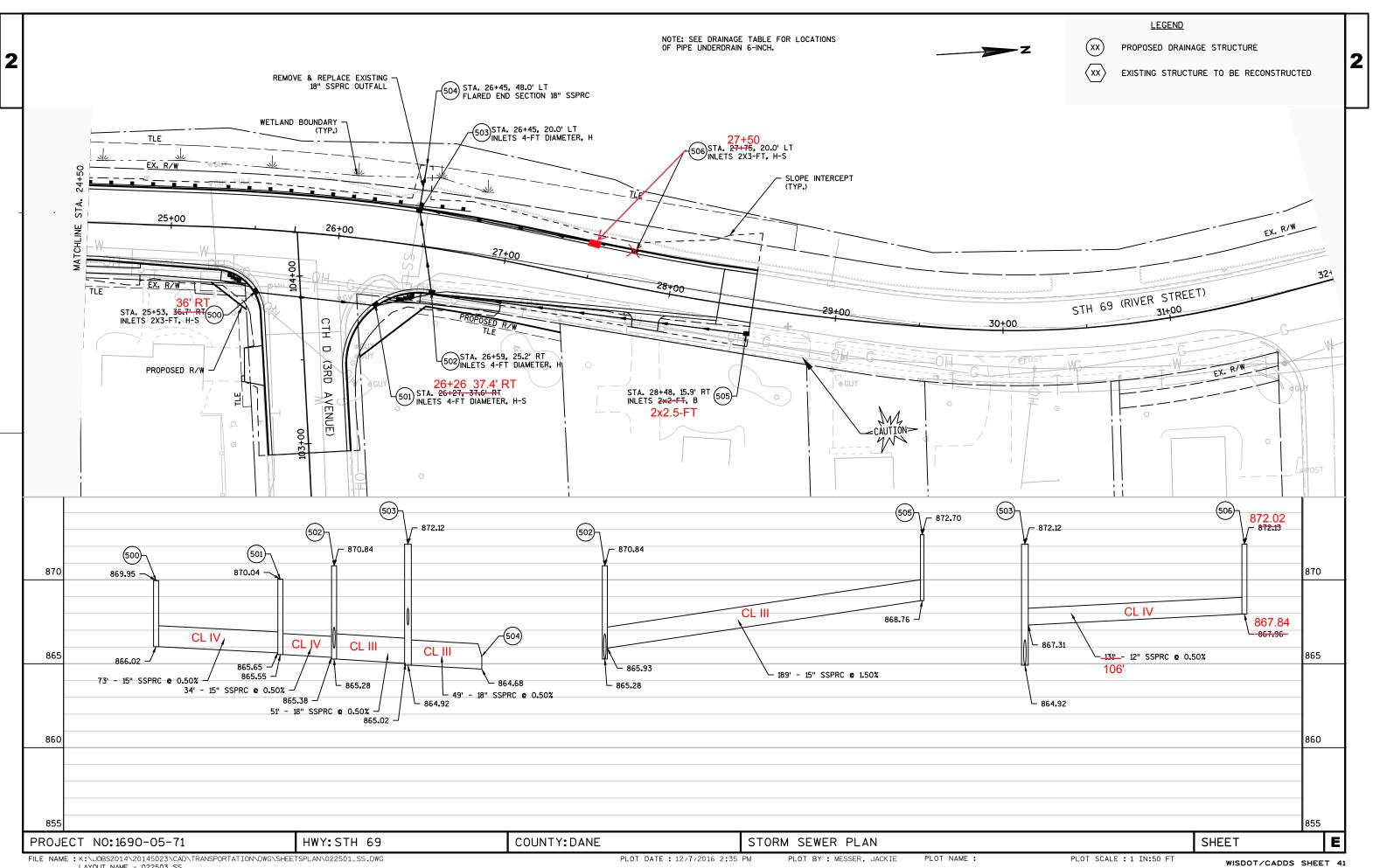
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PLOT SCALE : 1:40_XREF







					INLET/CB	MH					DIS	CHARGE PIPE				
STRUCT.			C-C	TO	TYPE &	TYPE &	RIM/GRATE	DEPTH	SIZE	INLET	DISCH.	LENGTH	SLOPE	PIPE		_
NO.	STATION	OFFSET	(FT)	STRUCT.	COVER	COVER	ELEV.	(FT)	(IN)	ELEV.	ELEV.	(FT)	(%)	CLASS	REMARKS	
										ELEV.						+
200	13+47.00	20.2' RT	45	201	INL 2X3 H		862.39	4.58	15	857.81	8 57.36	45.00	1.00		50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED TO HIGH SIDE OF INLET.	
201	13+47.00	20.5' 11	15	202	INL 2X3 H		862.27	5,18	18	857.09	856,49	15.00	4.00	III	50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED TO HIGH SIDE OF Inlet. Connect to existing storm sewer manhole 202. (Note: Existing pipe at manhole 202 is to be relocated approximately 50' West by others prior to construction. Verify changes to manhole	P.
201	10147100	2013 EI	15	202	2012 2200 0		002121	5.10	10	057.05	030145	13.00	4.00			
307	19+26.00	20.0' LT	13	308	INL 2X3 H-S		862.36	3.67	12	858.69	858.56	13.00	1.00	IV	50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED ON BOTH SIDES OF INLET IN SAG CONDITION.	F
															50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED ON BOTH SIDES OF	F
309	19+26.00	20.0' RT	31	308	INL 2X3 H-S	 4ET 1	862.24	3.42	12	858.82	858.59	31.00	0.75	IV	INLET IN SAG CONDITION.	_
308	19+26.00	9.0' LT	134	310		4FT J	862.58	4.40	18	858.18	857.51	134.00	0.50	\		-
312	201+45.00	14.6' RT	33	311	INL 2X3 H-S		862.20	3.42	12	858.78	858.45	33.00	1.00	IV	50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED ON BOTH SIDES OF INLET IN SAG CONDITION.	F
														IV	50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED ON BOTH SIDES OF	F
311 310	201+45.00 17+92.00	÷	56 147	310 304	INL 4FT H-S	 4FT J	862.20	3.95	15 24	858.25	857.69 856.78	56.00	1.00		INLET IN SAG CONDITION.	
310	17+92.00	9.0 LI	147	304		4F1 J	602.09	5.38	24	657.51	830.78	147.00	0.50			
305	16+57.00	20.0' LT	17	304	INL 2X3 H		861.94	4.00	12	857.94	857.60	17.00	2,00	IV	50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED ON BOTH SIDES OF INLET IN SAG CONDITION.	F
306	16+45.00		31	304	INL 2X3 H		861.90	4.03	12	857.87	857.25	31.00	2.00	IV		
304	16+45.00	9.0' LT	106	302		7FT J	862.24	5.56	24	856.68	856.15	105.50	0.50	-111 -IV		
202	15.40.00	20'					001 55	2 00		057 00	057 01	01.00	0.00		50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED ON BOTH SIDES OF	F
303	15+40.00 15+40.00		31 13	302 301	INL 2X3 H-S	 5FT J	861.55 862.01	3.92	12 24	857.63	857.01 855.39	31.00	2.00	IV	INLET IN SAG CONDITION.	
301	15+40.00	20'	19	300	INL 4FT H-S		861.45	6.12	24	855.33	855.14	19.00	1.00		50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED ON BOTH SIDES OF INLET IN SAG CONDITION.	F
300	15+28.00	37.3' LT				4FT J	861.92	9.62		852.30					CONNECT TO EXISTING STORM SEWER OUTFALL PIPE INTO SUGAR RIVER, 18" S I.E. 852.3 +/	
400	22+97.00	20.0' RT	44	401	INL 2X3 H		868.96	3.84	15	865.12	864.90	44.00	0.50	IV ++++	50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED TO HIGH SIDE OF INLET.	
401	22+97.00	20.0' LT			INL 2X3 H		869.07	4.27		864.80					50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED TO HIGH SIDE OF INLET. CONNECT TO EXISTING STORM SEWER OUTFALL PIPE INTO LAKE BELLE VIEW, 18" W I.E. 864.8 +/	
500	25+53.00	36' 36.7' R T	73	501	INL 2X3 H-S		869.95	3.93	15	866.02	865.66	73.00	0.50	IV 	50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED ON BOTH SIDES OF INLET IN SAG CONDITION.	F
501	26+26 -26+27.00	37.4'	34	502	INL 4FT H-S		870.04	4.49	15	865.55	865.38	34.00	0.50	IV 	50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED ON BOTH SIDES OF INLET IN SAG CONDITION.	F
505	28+48.00		189	502	INL 2X2 B		872.70	3.94	15	868.76	865.93	189.00	1.50	III		
502	26+59.00	25.2' RT	51	503	INL 4FT H		870.84	5.56	18	865.28	865.03	51.00	0.50	III	50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED TO HIGH SIDE OF INLET.	
506	27+50 27+75.00	20.0' LT	31	503	INL 2X3 H-S		872.02 872.13	4.17	12	867.84	867.31	105.75' 130.75	0.50	IV	50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED ON BOTH SIDES OF INLET IN SAG CONDITION.	F
503		20.0' LT	49	504	INL 4FT H		872.12	7.20	18	864.92	864.68	49.00	0.50		50' OF PIPE UNDERDRAIN 6-INCH SHALL BE CONNECTED TO HIGH SIDE OF Inlet. Apron Endwall required at structure 504. Discharge invert Shown is to end of flared end section.	- I

3. STATIONS, OFFSETS AND ELEVATIONS OF ENDWALLS ARE GIVEN TO THE END OF THE ENDWALL.

4. MANHOLE AND INLETS 2X2 RIM/GRATE ELEVATIONS ARE GIVEN TO THE CENTER OF STRUCTURE.

5. CURB INLET RIM/GRATE ELEVATIONS ARE GIVEN TO FLANGE LINE.

6. DEPTH OF MANHOLES AND INLETS ARE MEASURED FROM THE LOWEST INVERT OF THE STRUCTURE TO THE RIM/GRATE ELEVATION.

7. PIPE LENGTHS FOR STRUCTURES ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

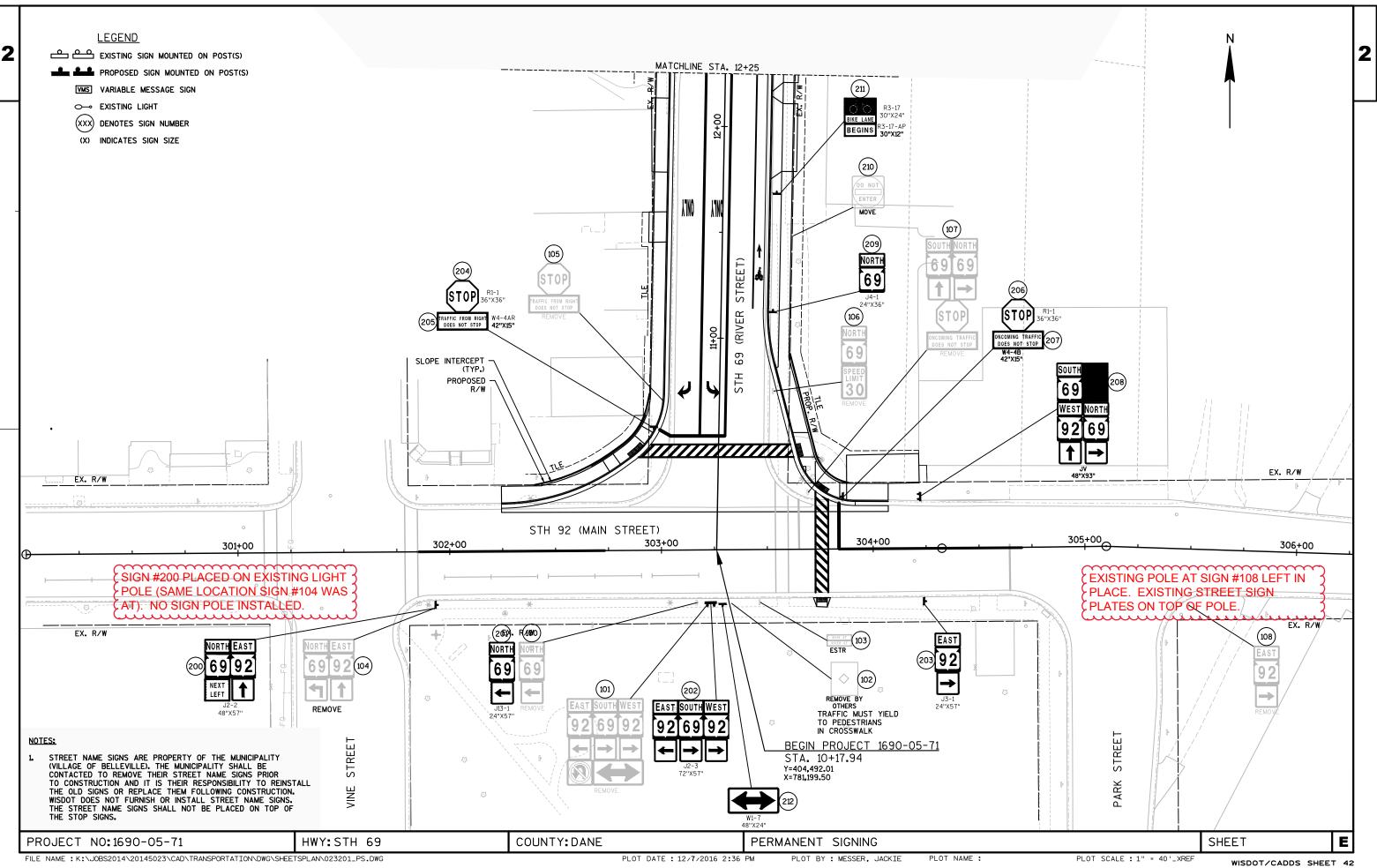
8. CONTRACTOR SHALL VERIFY DEPTH AND ELEVATIONS OF ALL EXISTING STORM SEWER STRUCTURES BEFORE BEGINNING WORK AND SHALL REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO BEGINNING WORK.

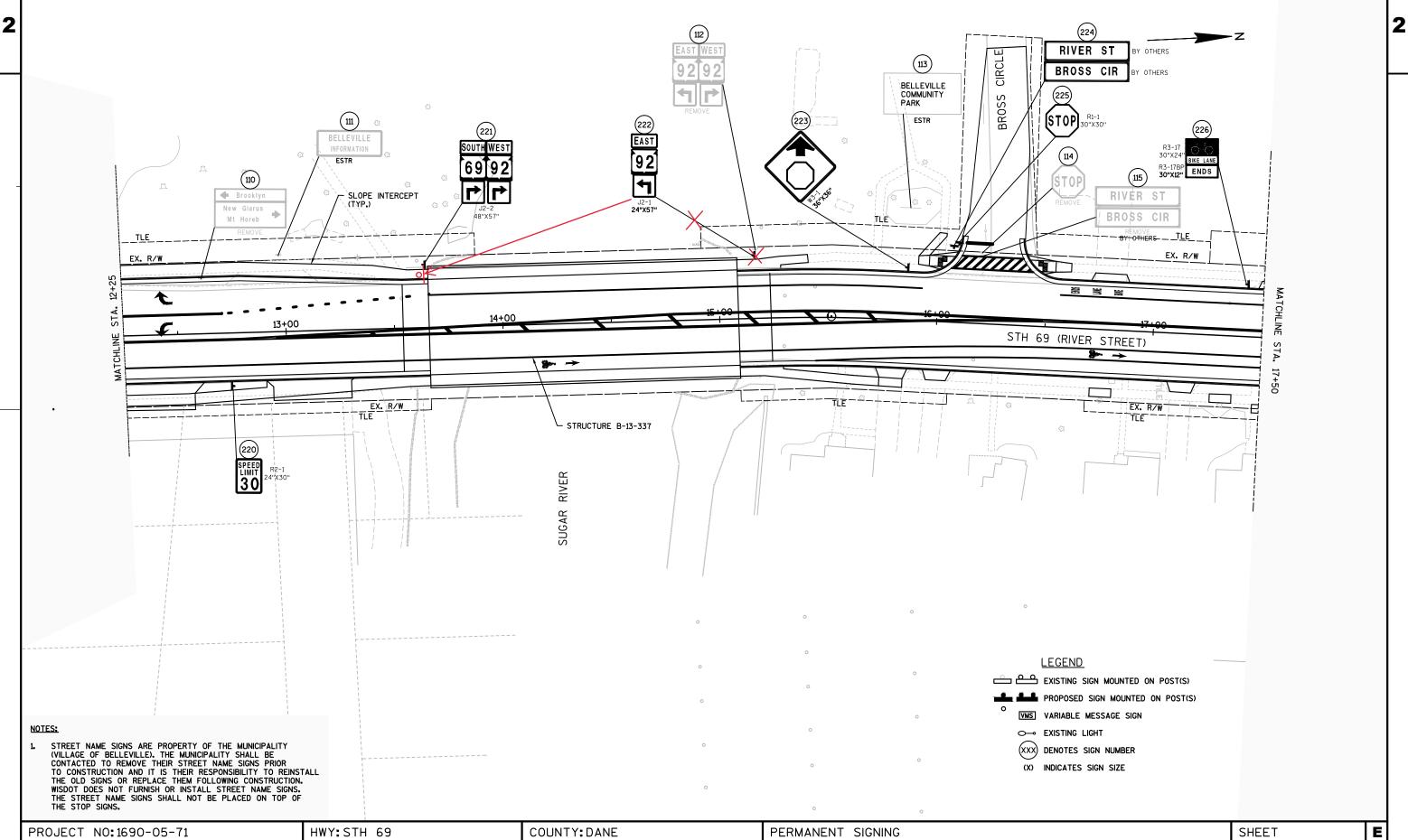
PROJECT NO:1690-05-71	HWY:STH 69	COUNTY: DANE	STORM SEWER DRAINAGE TABLE
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2

SHEET

Ε

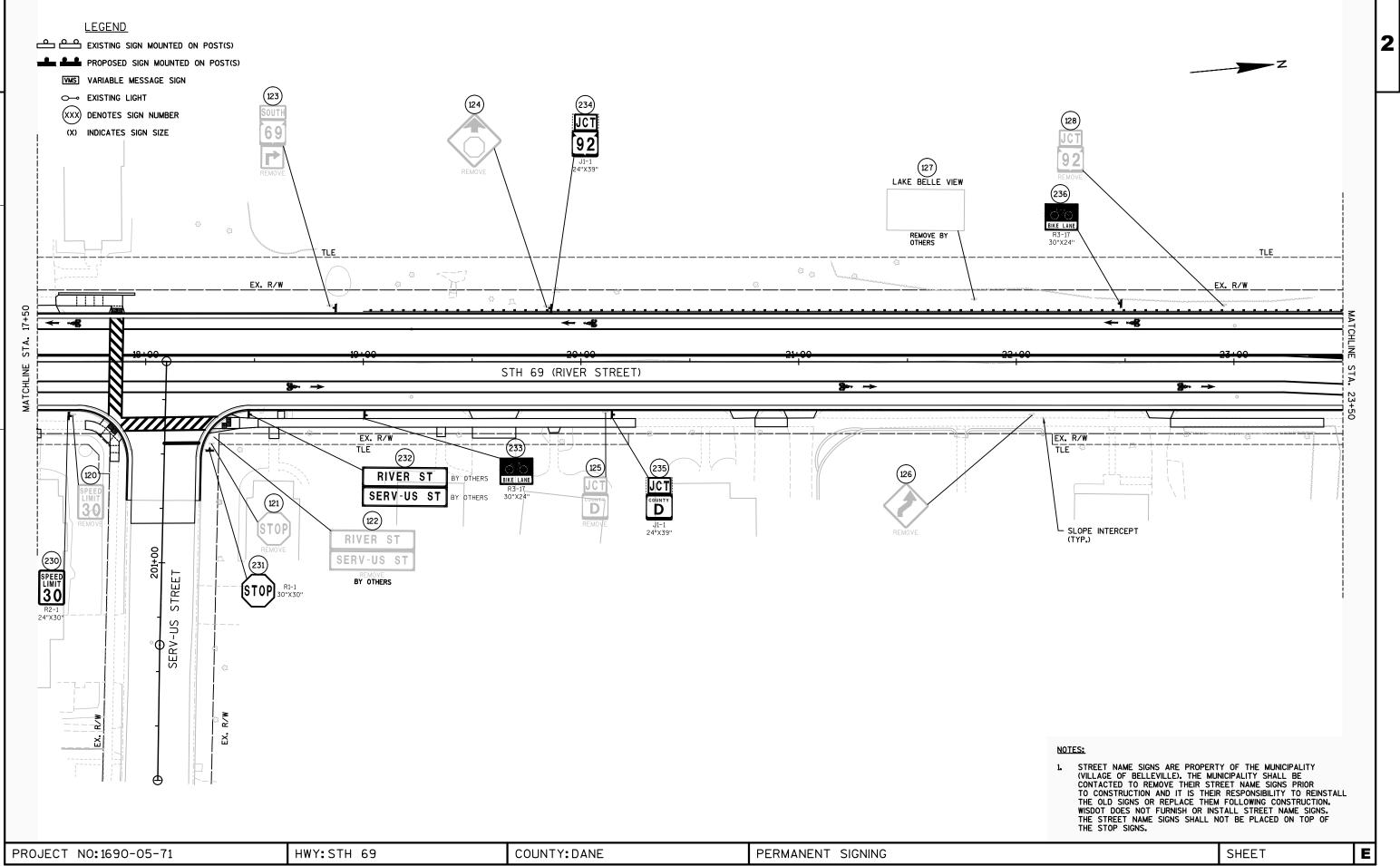




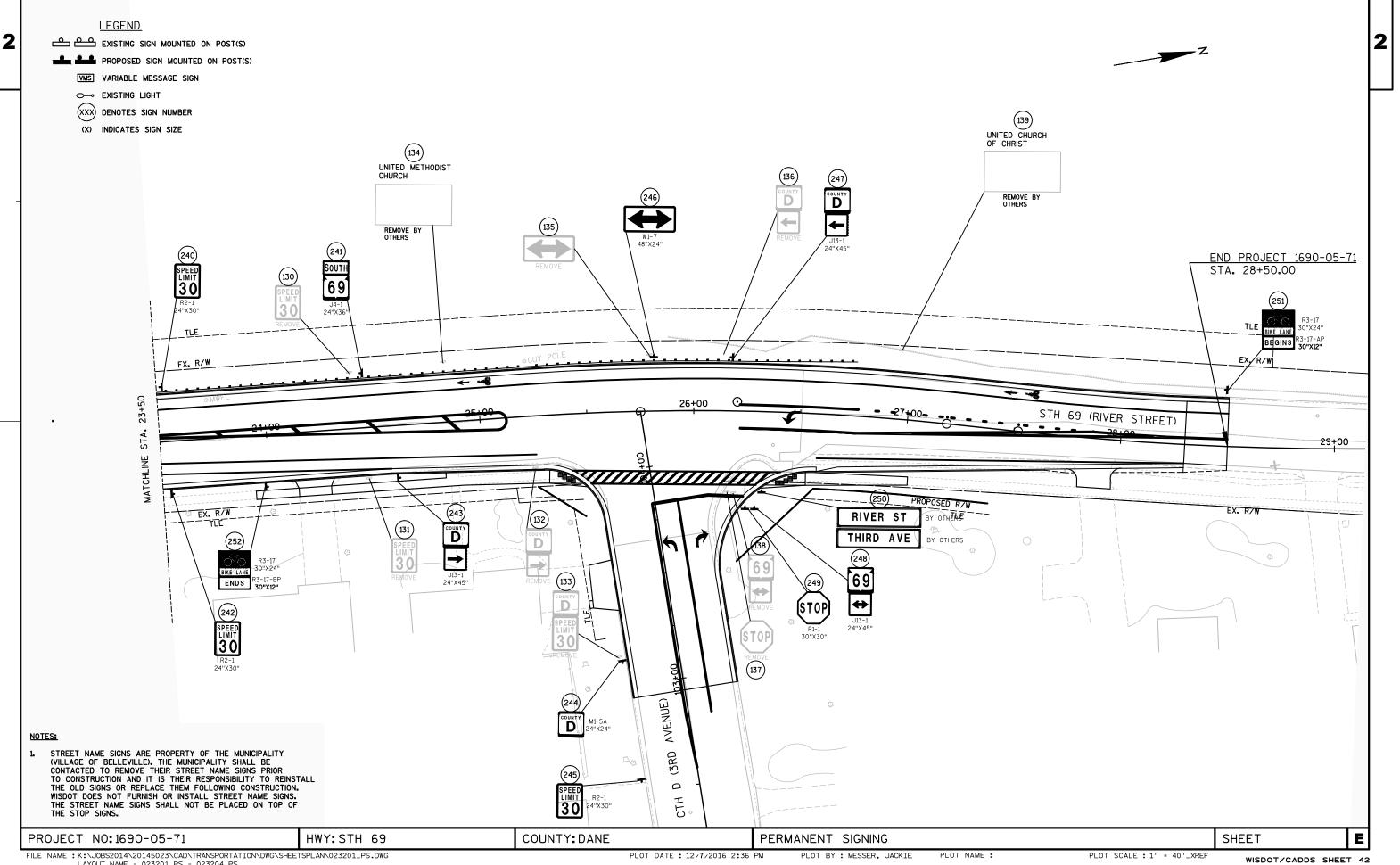
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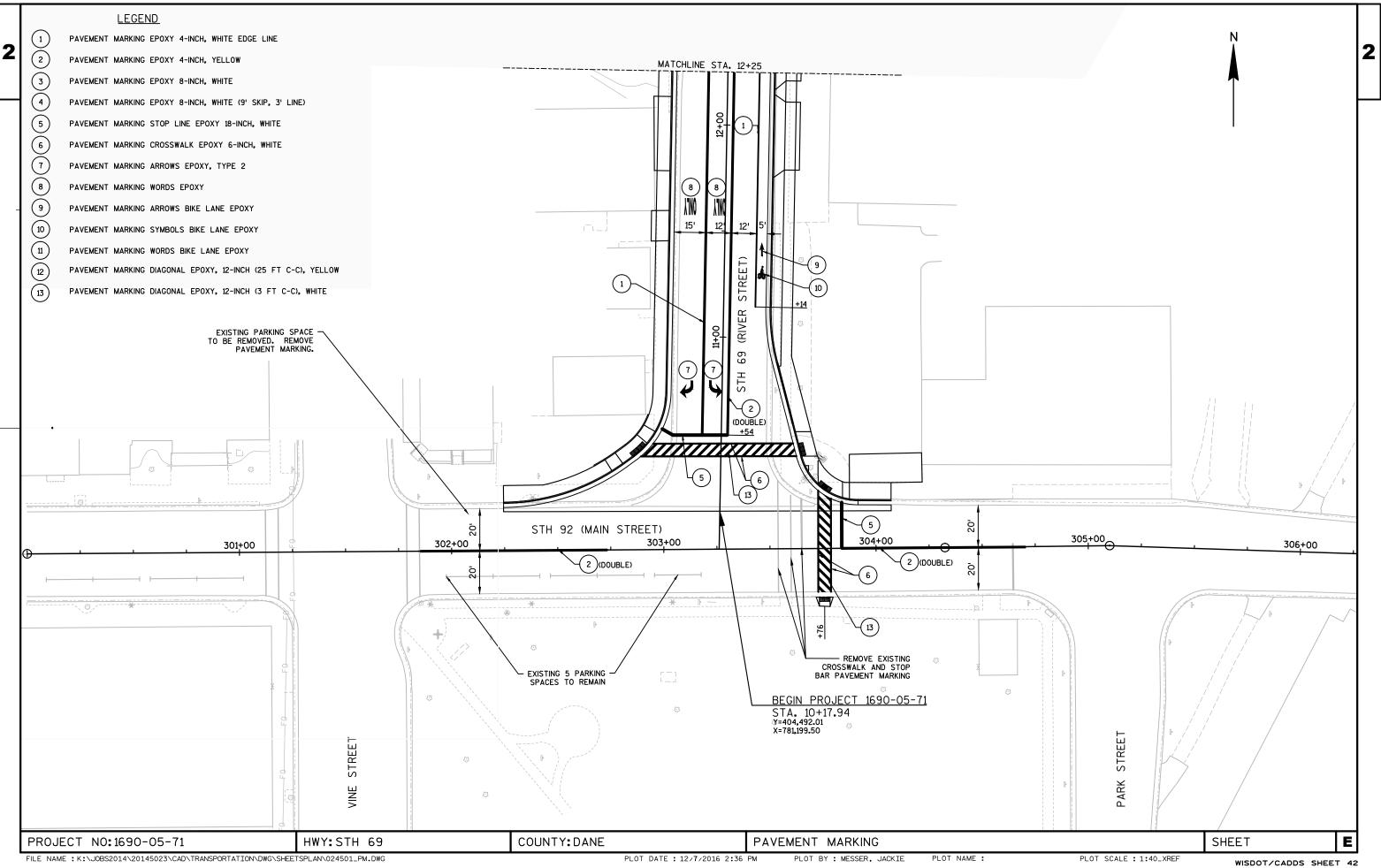
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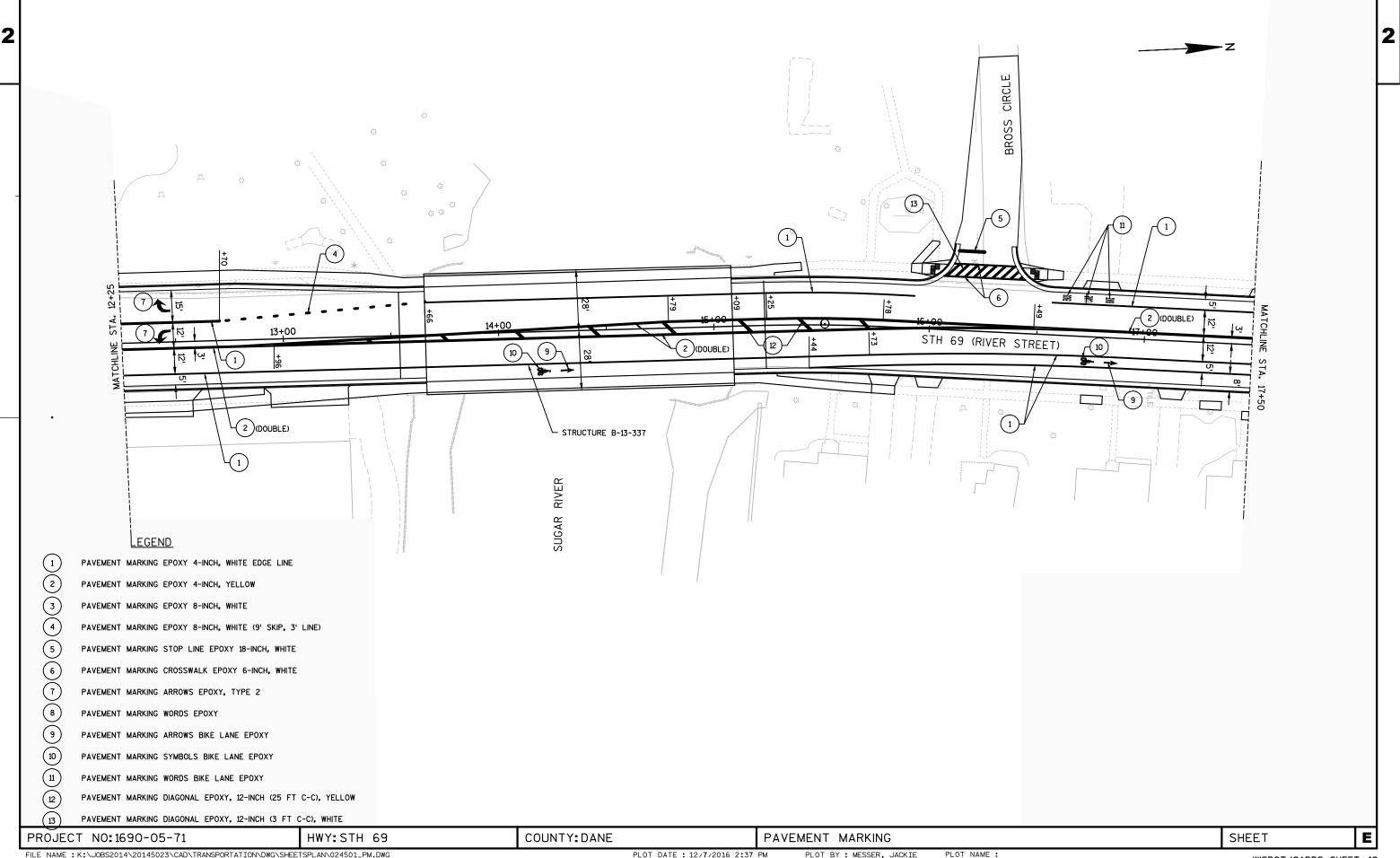
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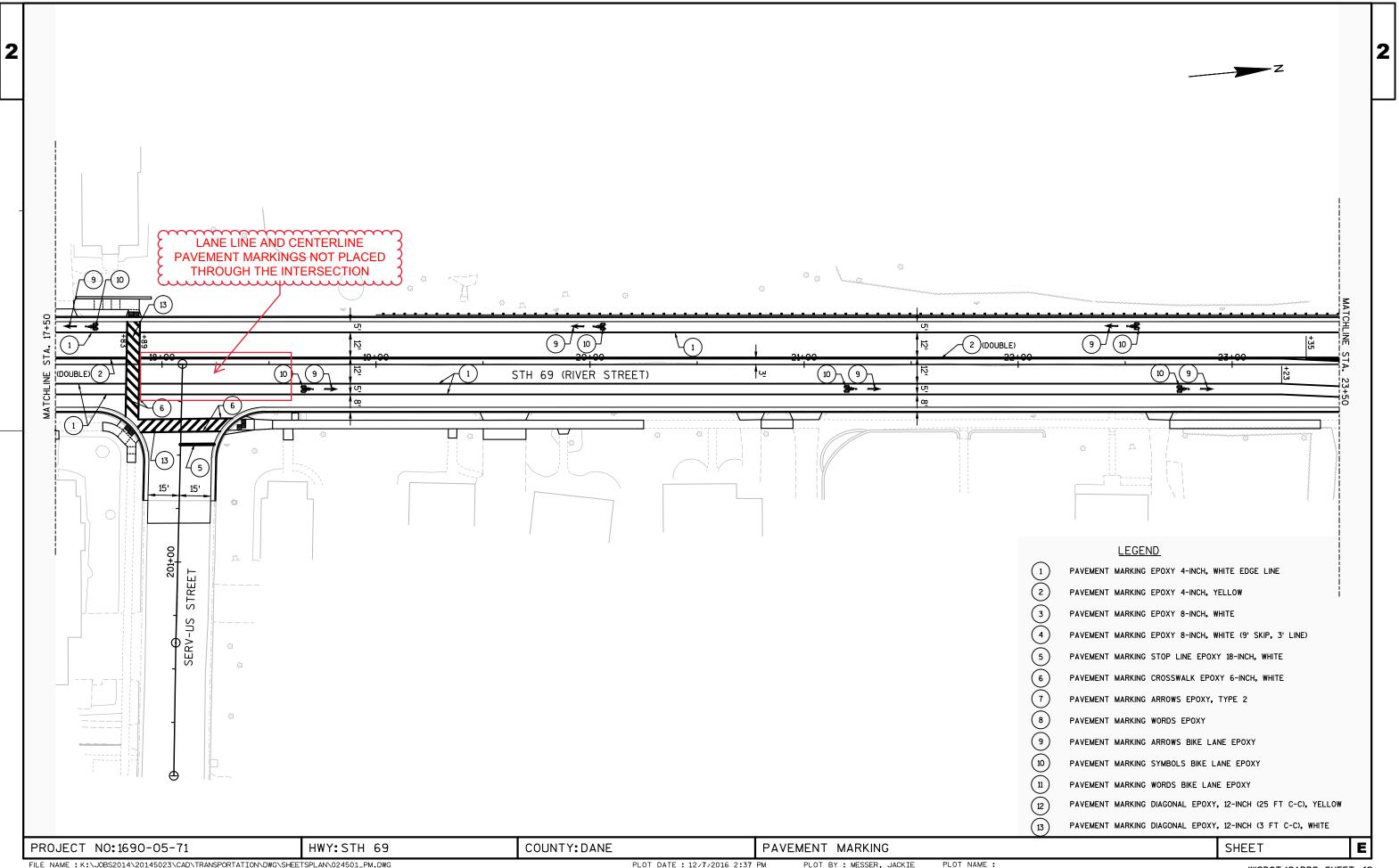


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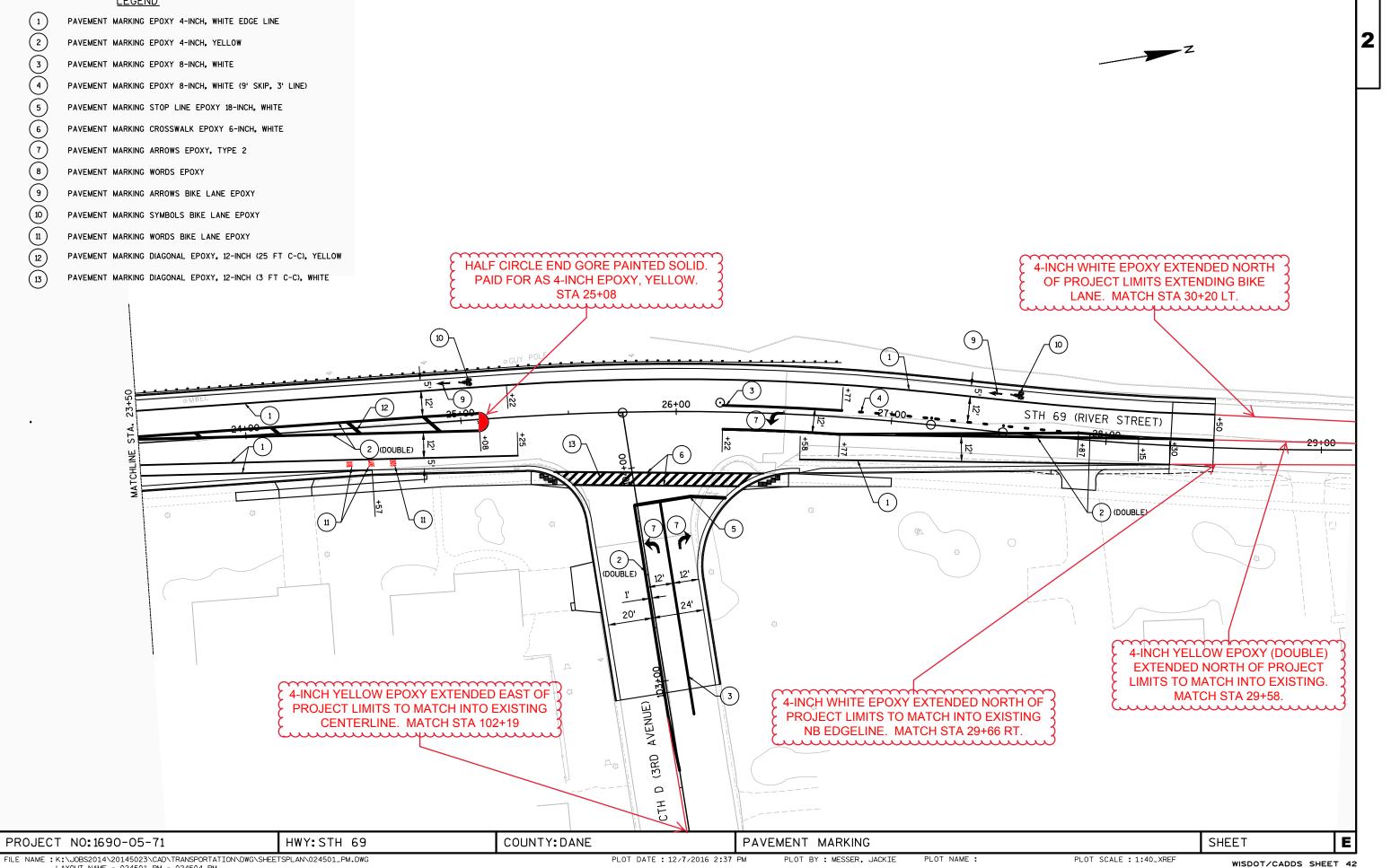


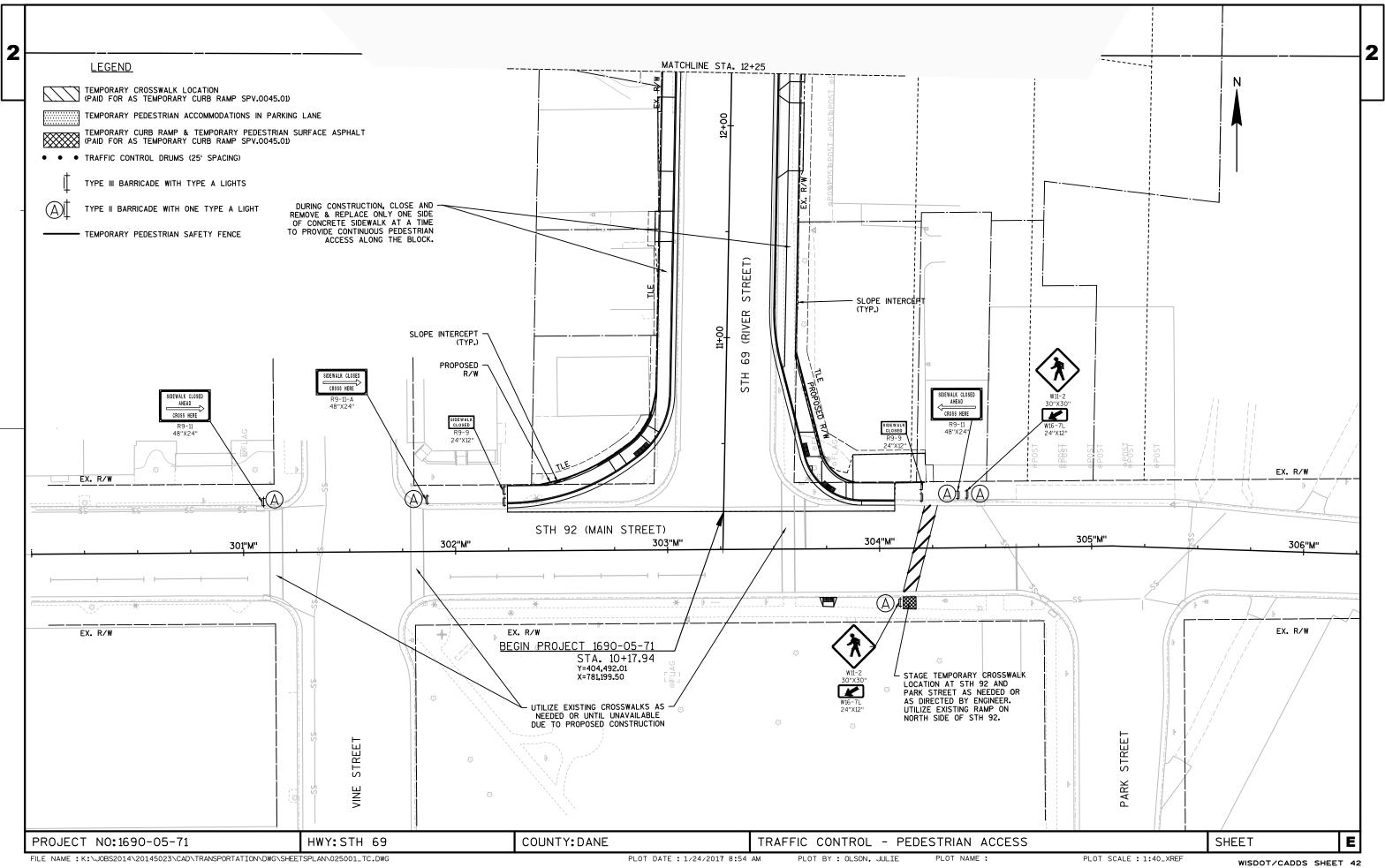
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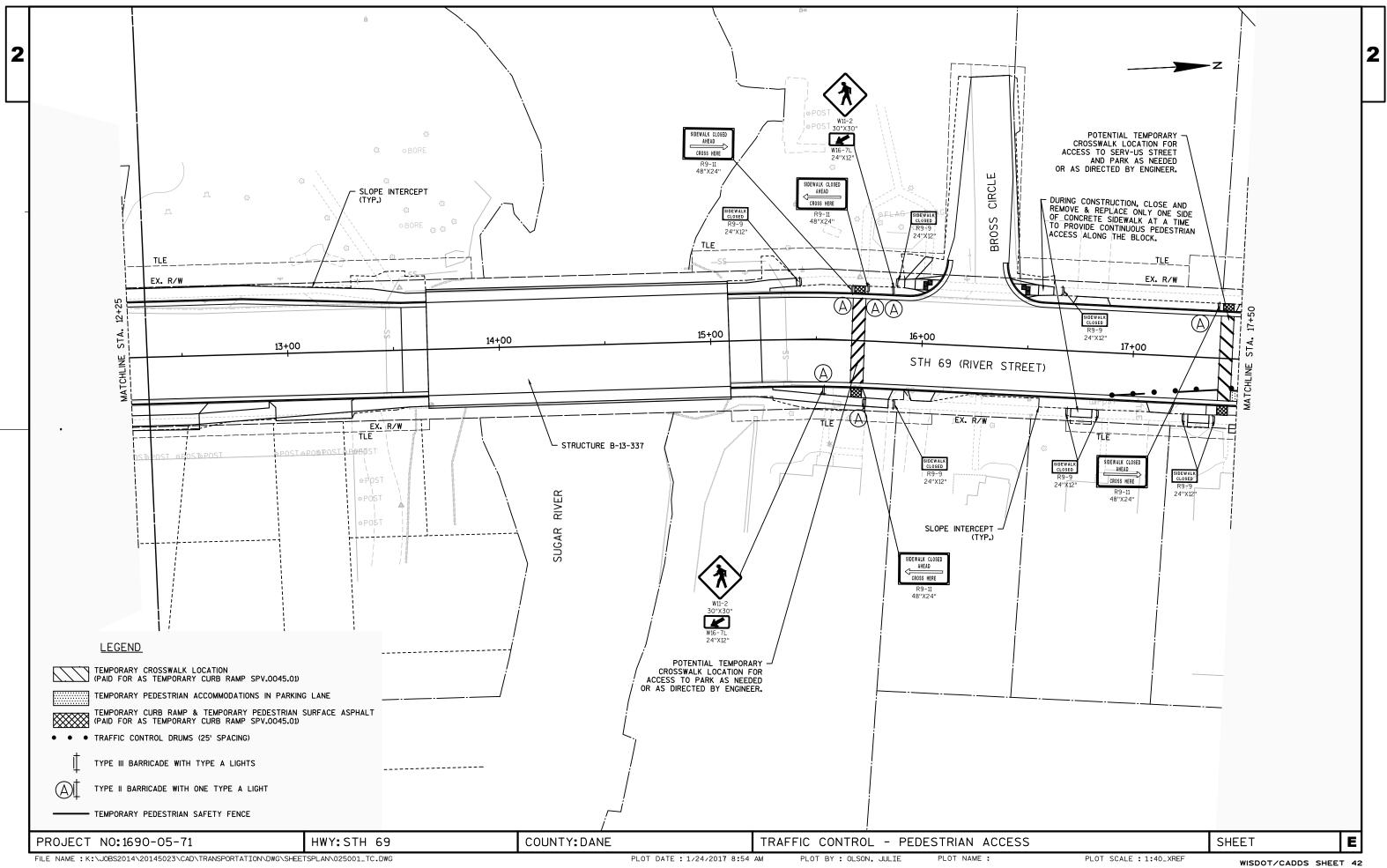


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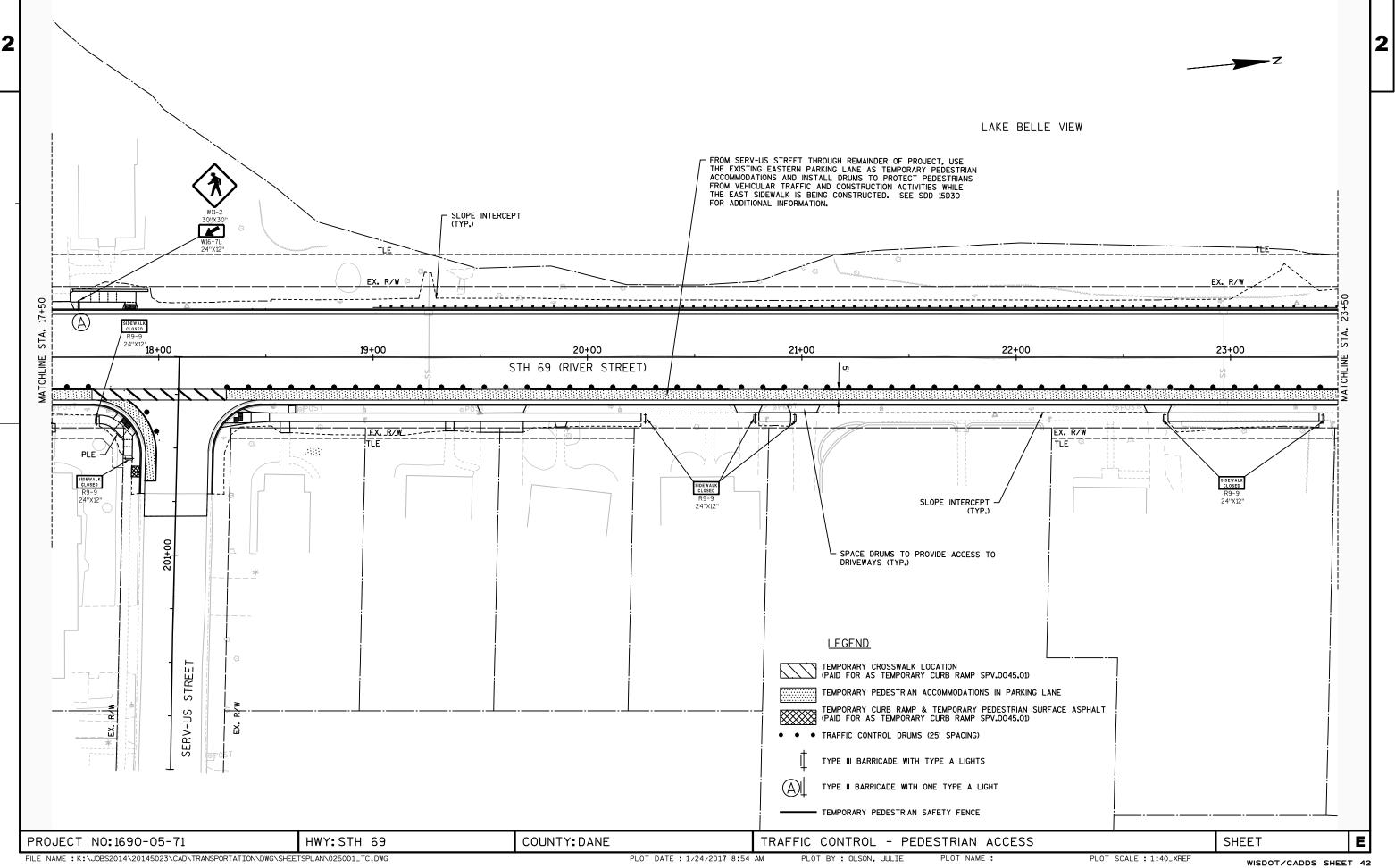
- (2)
- 3
- (4)
- (5) PAVEMENT MARKING STOP LINE EPOXY 18-INCH, WHITE
- 6 PAVEMENT MARKING CROSSWALK EPOXY 6-INCH, WHITE
- $\overline{7}$ PAVEMENT MARKING ARROWS EPOXY, TYPE 2
- (8) PAVEMENT MARKING WORDS EPOXY
- 9 PAVEMENT MARKING ARROWS BIKE LANE EPOXY
- 10 PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY
- 11 PAVEMENT MARKING WORDS BIKE LANE EPOXY
- 12 PAVEMENT MARKING DIAGONAL EPOXY, 12-INCH (25 FT C-C), YELLOW
- (13) PAVEMENT MARKING DIAGONAL EPOXY, 12-INCH (3 FT C-C), WHITE

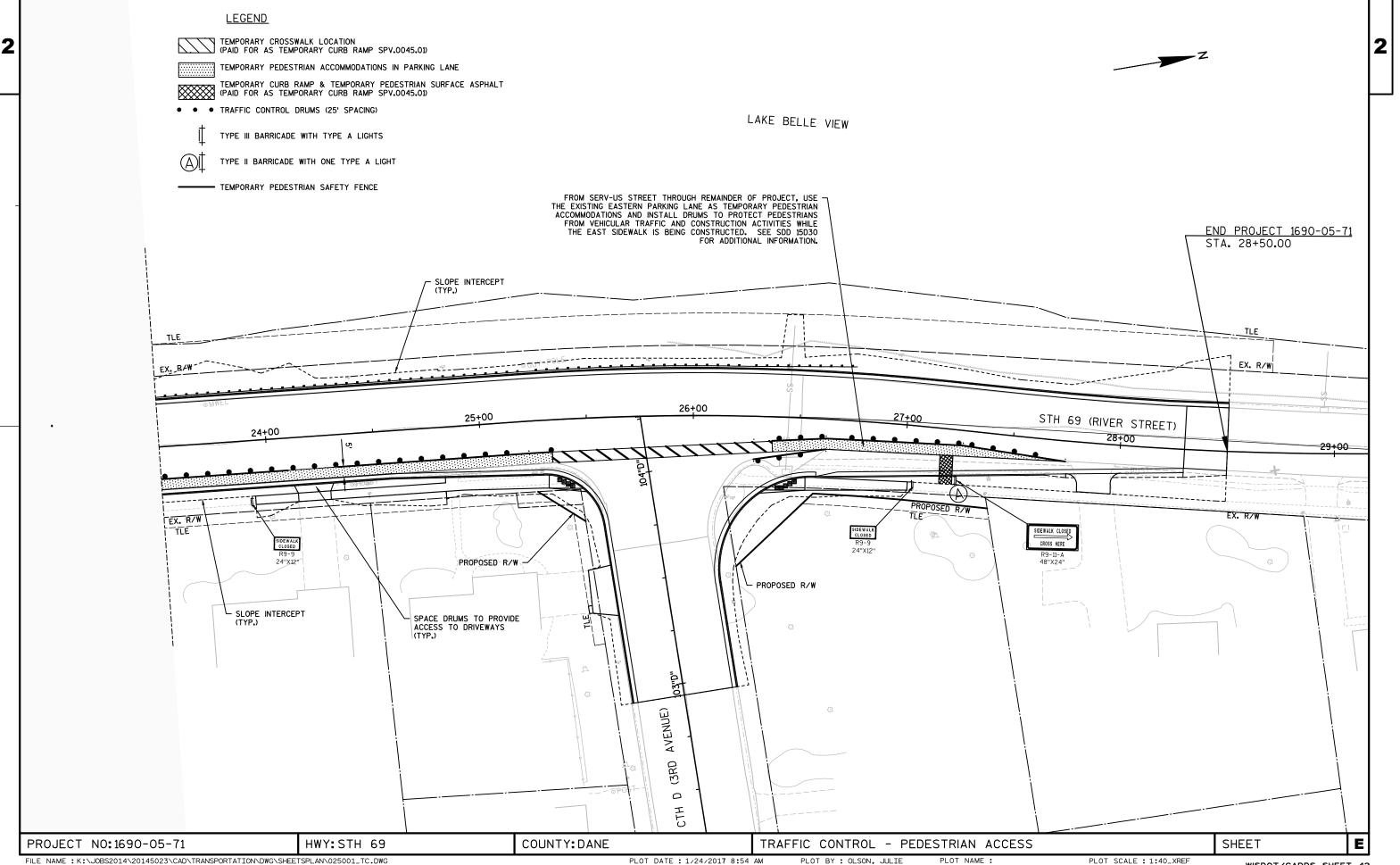




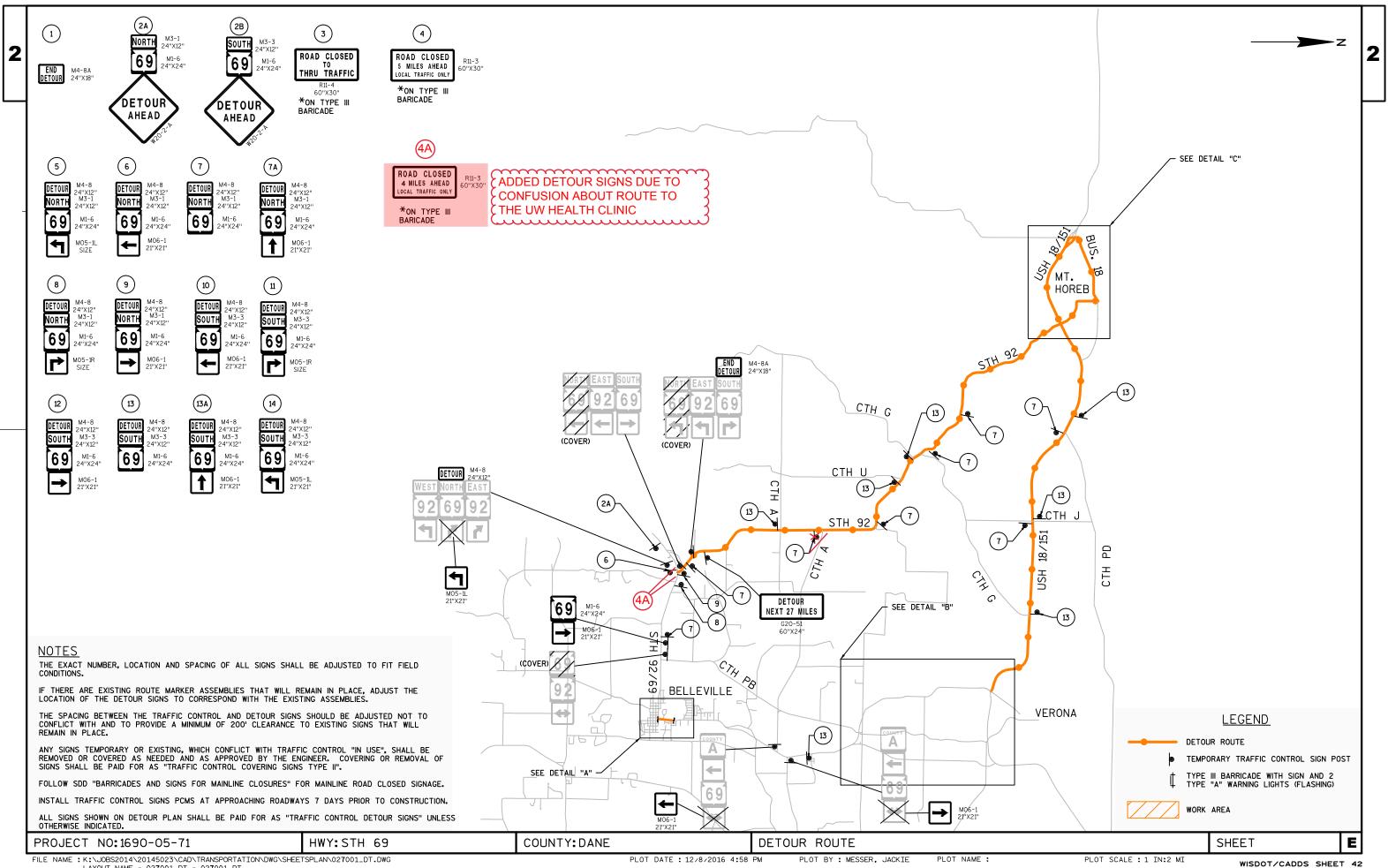


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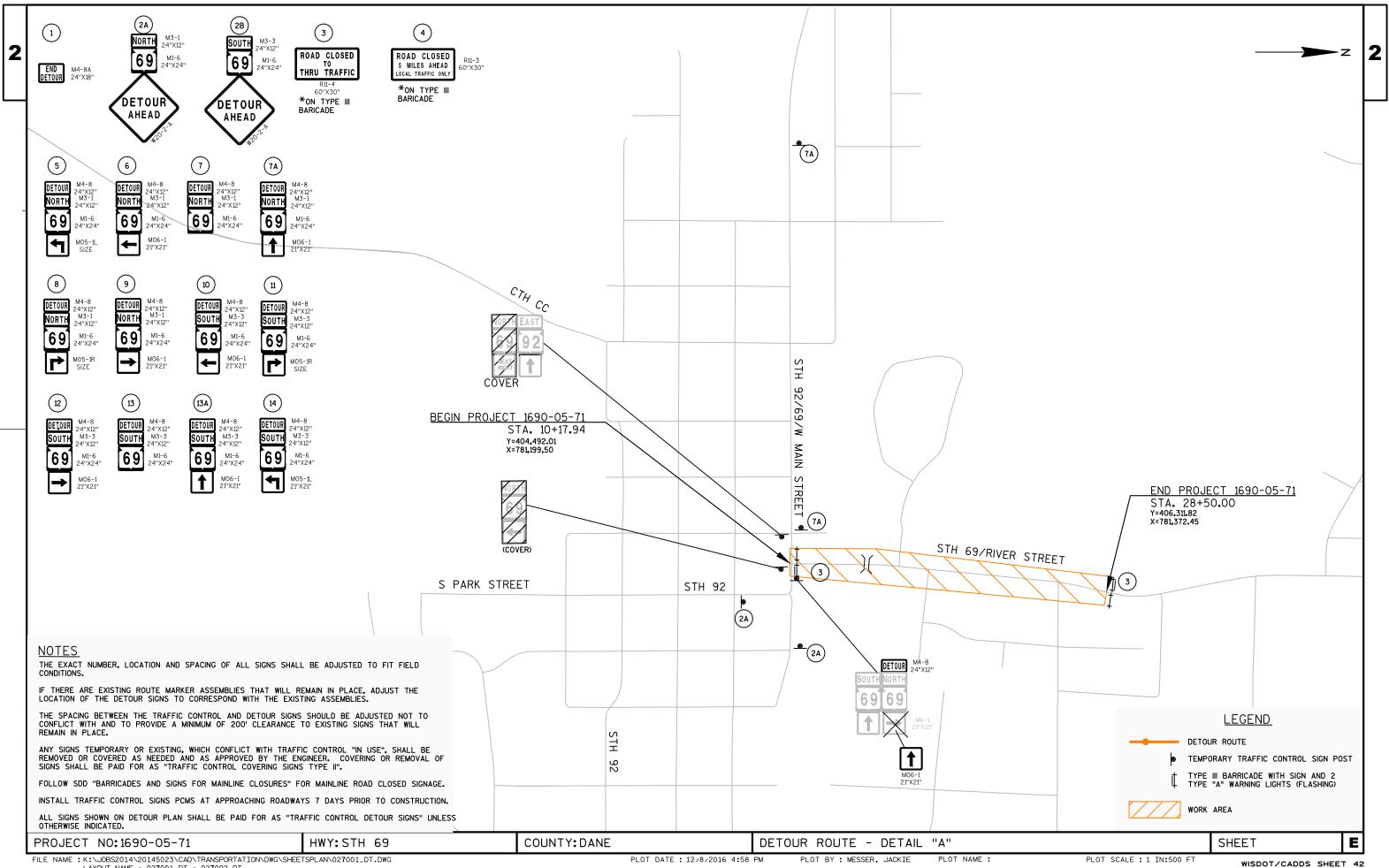


WISDOT/CADDS SHEET 42



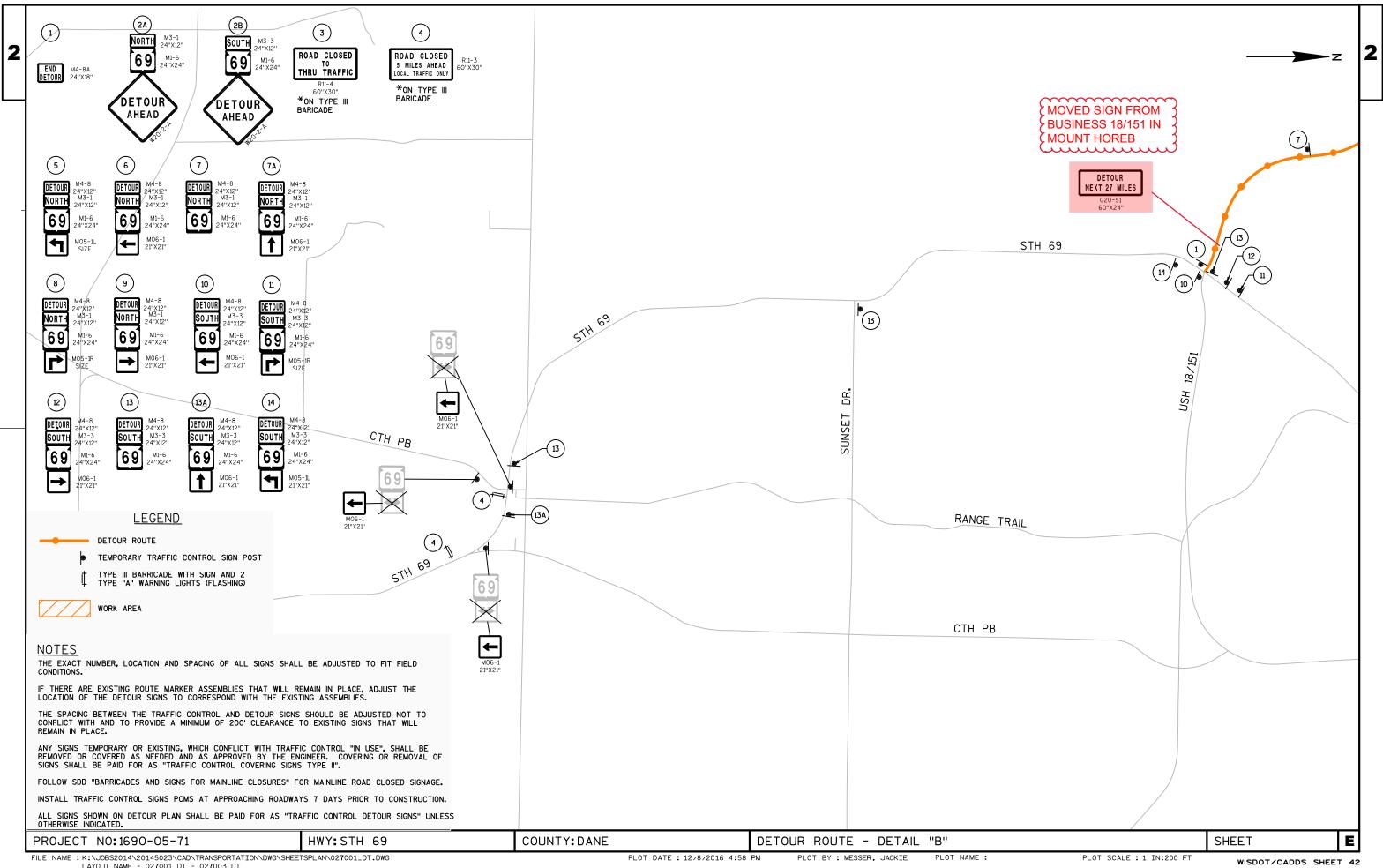
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PLOT DATE : 12/8/2016 4:58 PM PLOT BY : MESSER, JACKIE

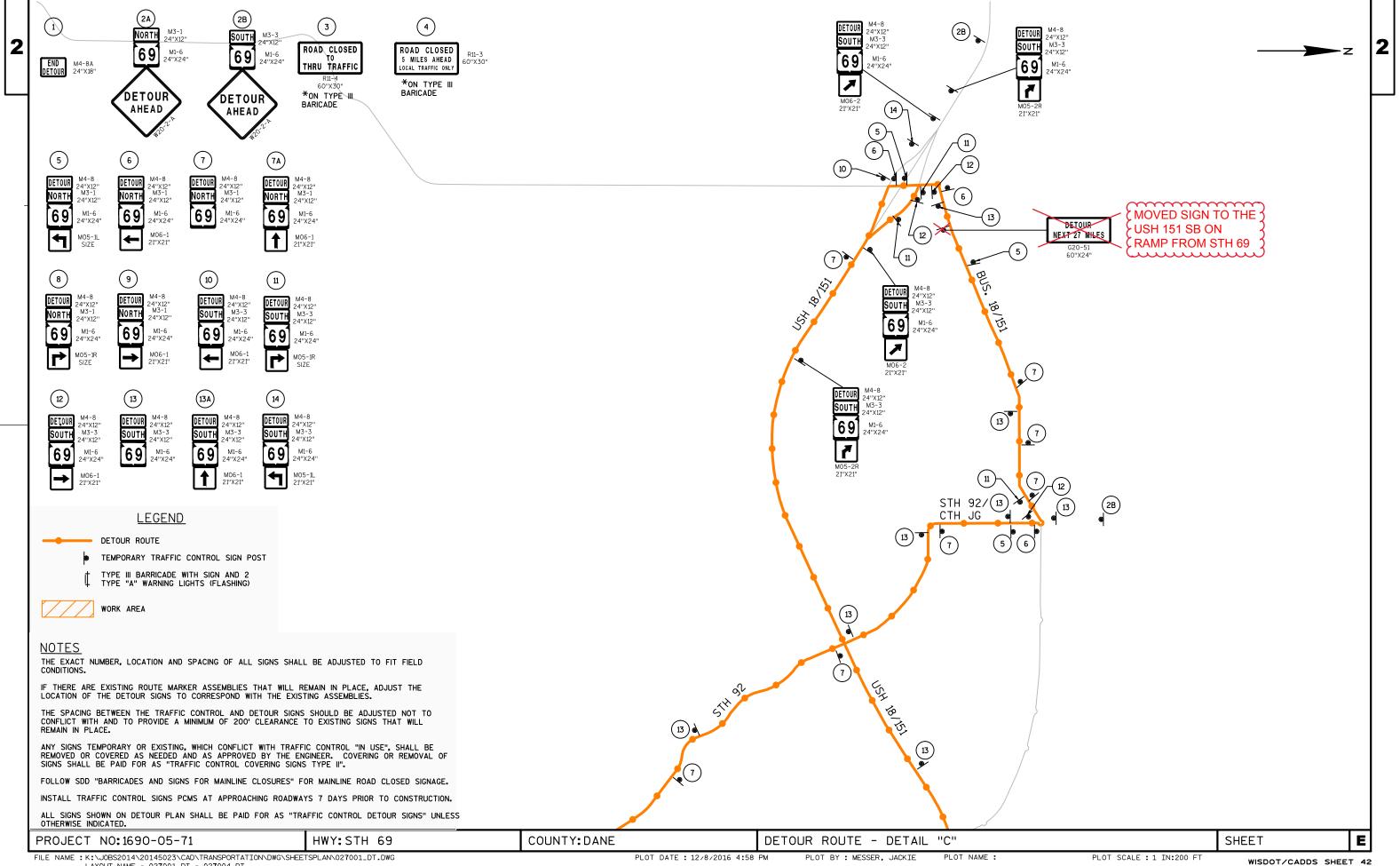


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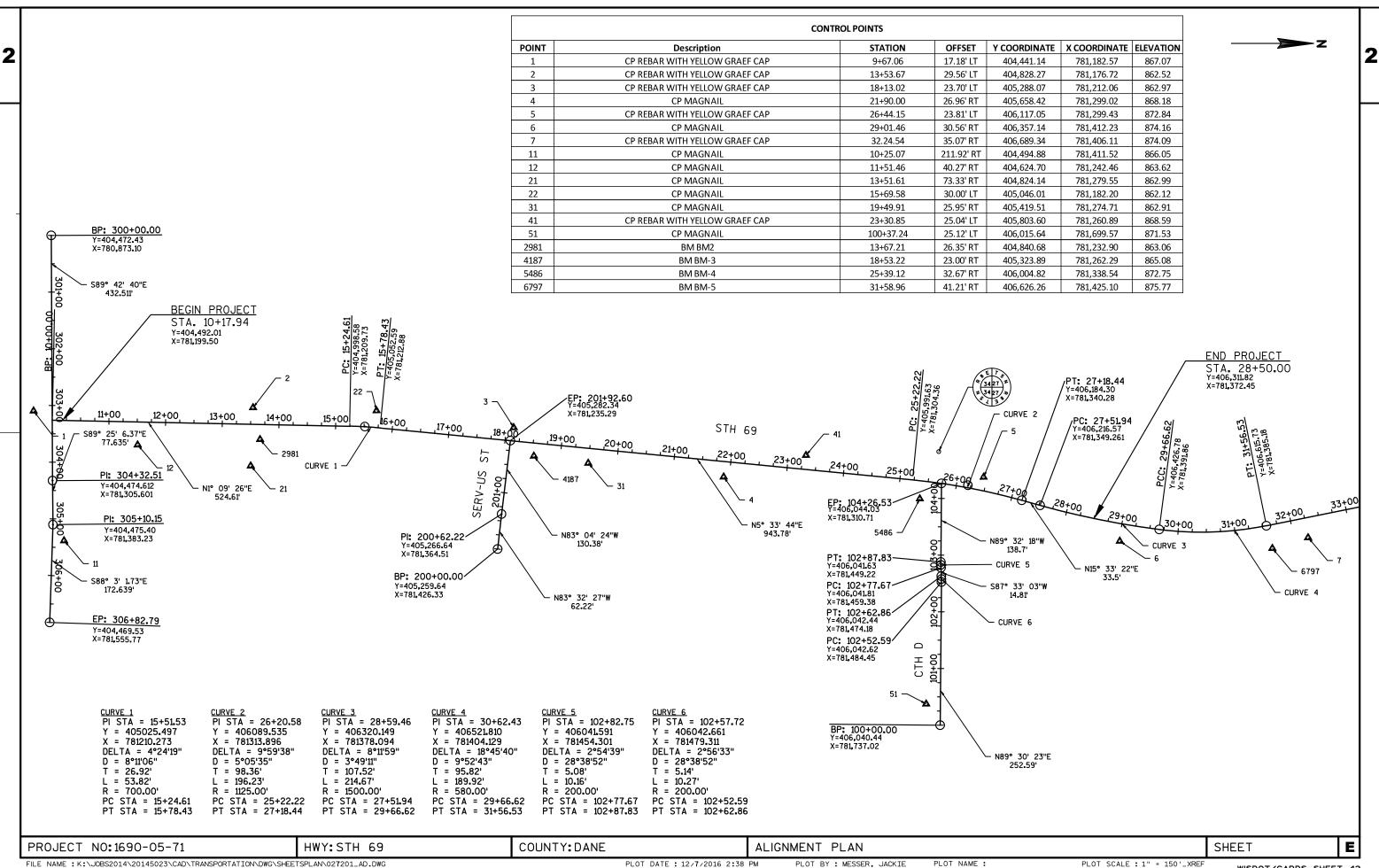


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PLOT DATE : 12/8/2016 4:58 PM PLOT BY : MESSER, JACKIE



PROJECT NO:1690-05-71	HWY:STH 69	COUNTY:DANE		ALIGNME	NT PLAN	
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WISDOT/CADDS SHEET 42

			Estima	te Of Quantities By Plar	Sets
				1690-05-71	
Item	Item Description	Unit	Total	Qty	

Line	Item	Item Description	Unit	Total	Qty
0010	201.0105	Clearing	STA	2.000	2.000
0020	201.0120	Clearing	ID	120.000	120.000
0030	201.0205	Grubbing	STA	2.000	2.000
0040	201.0220	Grubbing	ID	120.000	120.000
0050	204.0100	Removing Pavement	SY	8,466.000	8,466.000
0060	204.0115	Removing Asphaltic Surface Butt Joints	SY	198.000	198.000
0070	204.0150	Removing Curb & Gutter	LF	342.000	342.000
0080	204.0155	Removing Concrete Sidewalk	SY	718.000	718.000
0090	204.0210	Removing Manholes	EACH	1.000	1.000
0100	204.0220	Removing Inlets	EACH	11.000	11.000
0110	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	72.000	72.000
0120	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	160.000	160.000
0120	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	113.000	113.000
0140	204.0240	Abandoning Culvert Pipes	EACH	1.000	1.000
0140	205.0100	Excavation Common	CY	13,093.000	13,093.000
0160	203.0100	Finishing Roadway (project) 01. 1690-05-71	EACH	1.000	1.000
0170	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	7,434.000	7,434.000
0170	312.0110	Select Crushed Material	TON	6,978.000	6,978.000
	415.0410	Concrete Pavement Approach Slab	SY		120.000
0190			SY	120.000 135.000	
0200	416.0170	Concrete Driveway 7-Inch	SY		135.000
0210	416.0180	Concrete Driveway 8-Inch		125.000	125.000
0220	440.4410	Incentive IRI Ride	DOL	640.000	640.000
0230	455.0605	Tack Coat	GAL	1,809.000	1,809.000
0240	460.2000	Incentive Density HMA Pavement	DOL	1,650.000	1,650.000
0250	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	3,701.000	3,701.000
0260	460.5223	HMA Pavement 3 LT 58-28 S	TON	1,462.000	1,462.000
0270	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,026.000	1,026.000
0280	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	20.000	20.000
0290	465.0310	Asphaltic Curb	LF	107.000	107.000
0300	502.3200	Protective Surface Treatment	SY	698.000	698.000
0310	509.0301	Preparation Decks Type 1	SY	200.000	200.000
0320	509.0302	Preparation Decks Type 2	SY	103.000	103.000
0330	509.0500	Cleaning Decks	SY	698.000	698.000
0340	509.1200	Curb Repair	LF	10.000	10.000
0350	509.1500	Concrete Surface Repair	SF	19.000	19.000
0360	509.2000	Full-Depth Deck Repair	SY	1.000	1.000
0370	509.2500	Concrete Masonry Overlay Decks	CY	69.000	69.000
0380	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0390	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	3,412.000	3,412.000

01/24/2017 11:13:00



Estimate Of	Quantities	By Plan Sets
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					1690-05-71
Line	Item	Item Description	Unit	Total	Qty
0400	601.0600	Concrete Curb Pedestrian	LF	36.000	36.000
0410	602.0410	Concrete Sidewalk 5-Inch	SF	6,459.000	6,459.000
0420	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	147.000	147.000
0430	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15- Inch	LF	441.000	441.000
0440	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18- Inch	LF	249.000	249.000
0450	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24- Inch	LF	285.000	285.000
0460	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12- Inch	LF	287.000	287.000
0470	611.0420	Reconstructing Manholes	EACH	1.000	1.000
0480	611.0530	Manhole Covers Type J	EACH	5.000	5.000
0490	611.0606	Inlet Covers Type B	EACH	1.000	1.000
0500	611.0624	Inlet Covers Type H	EACH	8.000	8.000
0510	611.0639	Inlet Covers Type H-S	EACH	9.000	9.000
0520	611.2004	Manholes 4-FT Diameter	EACH	3.000	3.000
0530	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
0540	611.2007	Manholes 7-FT Diameter	EACH	1.000	1.000
0550	611.3004	Inlets 4-FT Diameter	EACH	5.000	5.000
0560	611.3220	Inlets 2x2-FT	EACH	1.000	1.000
0570	611.3230	Inlets 2x3-FT	EACH	12.000	12.000
0580	612.0106	Pipe Underdrain 6-Inch	LF	1,300.000	1,300.000
0590	614.2300	MGS Guardrail 3	LF	728.000	728.000
0600	614.2610	MGS Guardrail Terminal EAT	EACH	1.000	1.000
0610	614.2620	MGS Guardrail Terminal Type 2	EACH	1.000	1.000
0620	619.1000	Mobilization	EACH	0.900	0.900
0630	624.0100	Water	MGAL	74.000	74.000
0640	625.0100	Topsoil	SY	1,929.000	1,929.000
0650	627.0200	Mulching	SY	22.000	22.000
0660	628.1504	Silt Fence	LF	839.000	839.000
0670	628.1520	Silt Fence Maintenance	LF	1,256.000	1,256.000
0680	628.1905	Mobilizations Erosion Control	EACH	10.000	10.000
0690	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0700	628.2006	Erosion Mat Urban Class I Type A	SY	260.000	260.000
0710	628.7005	Inlet Protection Type A	EACH	18.000	18.000
0720	628.7015	Inlet Protection Type C	EACH	9.000	9.000
0730	628.7020	Inlet Protection Type D	EACH	9.000	9.000
0740	628.7570	Rock Bags	EACH	72.000	72.000
0750	629.0210	Fertilizer Type B	CWT	1.200	1.200
0770	631.0300	Sod Water	MGAL	129.000	129.000
0110	001.0000		MOAL	123.000	123.000



					1690-05-71
Line	Item	Item Description	Unit	Total	Qty
0780	631.1000	Sod Lawn	SY	1,648.000	1,648.000
0790	631.1100	Sod Erosion Control	SY	259.000	259.000
0800	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	13.000	13.000
0810	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	19.000	19.000
0820	634.0818	Posts Tubular Steel 2x2-Inch X 18-FT	EACH	1.000	1.000
0830	637.2210	Signs Type II Reflective H	SF	271.000	271.000
0840	637.2230	Signs Type II Reflective F	SF	31.000	31.000
0850	638.2102	Moving Signs Type II	EACH	1.000	1.000
0860	638.2602	Removing Signs Type II	EACH	24.000	24.000
0870	638.3000	Removing Small Sign Supports	EACH	27.000	27.000
0880	638.4000	Moving Small Sign Supports	EACH	1.000	1.000
0890	642.5201	Field Office Type C	EACH	1.000	1.000
0900	643.0100	Traffic Control (project) 01. 1690-05-71	EACH	1.000	1.000
0920	643.0300	Traffic Control Drums	DAY	1,526.000	1,526.000
0930	643.0420	Traffic Control Barricades Type III	DAY	3,706.000	3,706.000
0940	643.0705	Traffic Control Warning Lights Type A	DAY	5,995.000	5,995.000
0950	643.0900	Traffic Control Signs	DAY	4,033.000	4,033.000
0960	643.0920	Traffic Control Covering Signs Type II	EACH	13.000	13.000
0970	643.1050	Traffic Control Signs PCMS	DAY	327.000	327.000
0980	643.2000	Traffic Control Detour (project) 01. 1690-05-71	EACH	1.000	1.000
0990	643.3000	Traffic Control Detour Signs	DAY	51,993.000	51,993.000
1000	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	210.000	210.000
1010	644.1616.S	Temporary Pedestrian Safety Fence	LF	875.000	875.000
1020	645.0220	Geogrid Type SR	SY	1,089.000	1,089.000
1020	646.0106	Pavement Marking Epoxy 4-Inch	LF	9,436.000	9,436.000
1040	646.0126	Pavement Marking Epoxy 8-Inch	LF	380.000	380.000
1040	646.0600	Removing Pavement Markings	LF	144.000	144.000
1060	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	7.000	7.000
1070	647.0206	Pavement Marking Arrows Epoxy Type 2 Pavement Marking Arrows Bike Lane Epoxy	EACH	11.000	11.000
1070	647.0200	Pavement Marking Symbols Bike Lane Epoxy	EACH	11.000	11.000
1090	647.0356	Pavement Marking Words Epoxy	EACH	2.000	2.000
1100	647.0406	Pavement Marking Words Bike Lane Epoxy	EACH	6.000	6.000
1110	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	122.000	122.000
1130	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	716.000	716.000
1140	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	638.000	638.000
1150	650.4000	Construction Staking Storm Sewer	EACH	23.000	23.000
1160	650.4500	Construction Staking Subgrade	LF	1,689.000	1,689.000
1170	650.5000	Construction Staking Base	LF	1,689.000	1,689.000
1180	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	3,448.000	3,448.000
1190	650.6500	Construction Staking Structure Layout (structure) 01. B-	LS	1.000	1.000

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					1690-05-71
Line	Item	Item Description	Unit	Total	Qty
		13-337			
1200	650.7000	Construction Staking Concrete Pavement	LF	27.000	27.000
1210	650.9910	Construction Staking Supplemental Control (project) 01. 1690-05-71	LS	1.000	1.000
1220	650.9920	Construction Staking Slope Stakes	LF	1,689.000	1,689.000
1230	690.0150	Sawing Asphalt	LF	541.000	541.000
1240	690.0250	Sawing Concrete	LF	14.000	14.000
1250	715.0415	Incentive Strength Concrete Pavement	DOL	500.000	500.000
1260	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	500.000	500.000
1270	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	350.000	350.000
1280	SPV.0045	Special 01. Temporary Curb Ramp	DAY	175.000	175.000
1570	SPV.0060	Special 29. Construction Staking Curb Ramp	EACH	11.000	11.000
1640	SPV.0090	Special 07. Silt Fence Special	LF	417.000	417.000
1670	SPV.0165	Special 02. Wall Modular Block Gravity LRFD	SF	102.000	102.000

Estimate Of Quantities By Plan Sets

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CLEARING AND GRUBBING

		STREET STH 69	<u>STATION TO</u> 10+17 -	STATION 17+00	OFFSET RT	CAT 10 201.0105 CLEARING STA	CAT 10 201.0120 CLEARING ID 16	CAT 10 201.0205 GRUBBING STA	CAT 10 201.0220 GRUBBING ID 16	=			
		STH 69 STH 69 STH 69	17+00 - 24+50 -	24+50 28+50	LT LT	- 1 1	104	- 1 1	104				
					JECT TOTALS	2	120	2	120	=			
	REMOVIN	G PAVEMENT						REMOVING AS	PHALTIC SUR	ACE BU	TT JOINTS		
STREET	FROM STA	TO STA	CAT 10 204.0100 SY			_	STREET STH 69	FR0M 23+50			LOCATION	CAT 10 204.0115 SY 65	
STH 69 STH 69 STH 69 SERV-US STREET	10+17 17+00 24+50 201+18	- 17+00 - 24+50 - 28+50 - 201+72	3,171 3,761 1,255 253				ERV-US STREET CTH D Oject total	201+18 102+94	- 201 - 104	+72	LT & RT LT & RT	34 99 198	
CTH D Project total	102+94	- 104+01	26 8,466	_									
								REM	OVING CONCR	TE SID	EWALK		
	REMOVING (CURB & GUTTER	CAT 10				OTDEET.	FROM ST	•	T0 6T/		20	AT 10 4.0155 SY
STREET	FROM STA	TO STA	204.0150 LF				STREET STH 69	FROM ST/	-	T0 ST/ 17+00	LT &	RT	482
STH 69	10+17	- 17+00					STH 69 STH 69	17+00 24+50	-	24+50 28+50			151 85
STH 69 STH 69	17+00 24+50	- 24+50 - 28+50	342	_		SE	RV-US STREET CTH D	201+18 102+94		201+72 104+01			0 0
PROJECT TOTAL			342	-		PROJ	ECT TOTAL						718

									CAT 10
									204.0220
		DEMOVITIO			STREET	STATION	OFFS	ET	EACH
_		REMOVING	G MANHOLES	STH 69	13+48	22.0'	RT	1	
					STH 69	13+47	22.5'	LT	1
				CAT 10	STH 69	15+36	21.3'	RT	1
				204.0210	STH 69	15+35	21.9'	LT	1
2	STREET	STATION	OFFSET	EACH	STH 69	16+13	21.5'	RT	1
	STH 69	15+28	37.1' LT	1	STH 69	19+26	21.5'	RT	1
	PROJECT TOTAL			1	STH 69	19+26	21.5'	LT	1
-					STH 69	22+97	21.3'	RT	1
					STH 69	22+97	21.6'	LT	1
					STH 69	26+44	26.0'	RT	1
					STH 69	26+44	20.9'	LT	1
					PROJECT TOTAL				11

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REMOVING STORM SEWER (SIZE)

STREET STH 69 STH 69 STH 69 STH 69 STH 69 STH 69 PROJECT TO	STATION 13+47 15+40 15+35 15+40-16+13 19+26 22+95 26+45 TOTAL	LOCATION LT & RT LT & RT 3 RT LT & RT LT & RT LT & RT	CAT 10 204.0245.01 (12-INCH) LF 72 72 72	CAT 10 204.0245.02 (15-INCH) LF 56 44 16 44 160	CAT 10 204.0245.03 (18-INCH) <u>LF</u> 44 69 113			
STH 69 STH 69 STH 69 STH 69 STH 69 STH 69 PROJECT TO	13+47 15+40 15+35 15+40-16+13 19+26 22+95 26+45	LT & RT LT & RT LT 3 RT LT & RT LT & RT	 72 	56 44 16 44 	 44 69			
STH 69 STH 69 STH 69 STH 69 STH 69 PROJECT T(15+40 15+35 15+40-16+13 19+26 22+95 26+45	LT & RT LT 3 RT LT & RT LT & RT	 72 	44 16 44 	 44 69			
STH 69 STH 69 STH 69 STH 69 STH 69 PROJECT TO	15+35 15+40-16+13 19+26 22+95 26+45	LT 3 RT LT & RT LT & RT	 72 	16 44 	 44 69			
STH 69 STH 69 STH 69 Project to	15+40-16+13 19+26 22+95 26+45	3 RT LT&RT LT&RT		44	44 69			
STH 69 STH 69 Project to	22+95 26+45	LT & RT		44 	 69			
STH 69 Project to	26+45				69			
PROJECT TO		LT & RT						
	TOTAL		72	160	113			
CAT 10 204.0270 EACH				_	FINISHING ROADW. STREET	AY (1690-05-71) CAT 10 213.0100 EACH		
1				_	PROJECT 1690-05-71	1		
1				_				
						I		
		•			-		1	1

REMOVING INLETS

EARTHWORK SUMMARY

Bivision Front/G Station Location Common (creation (creation)) Station (creation) Assistable (creation) Expanded (creation) Statistic (creation)			1	1		T		T	1	1			
Image: state in the state	Division	From/To Station	Location		•	Unusable Pavement						Borrow (15)	Comment:
ArtScort 10 (PRIORITY 1) NIE 69 10+17 to 28+50 Mainline 8933 0 1581 7535 162 179 7774 7774 - STN 69 16+50 to 23+50 Rainline 697 0 87 611 38 42 559 - - SR06S CR0E to 16+26 16+26 0 23+50 Raining Lang 363 0 88 275 0 0 272 0 0 221 212 122 - <td></td> <td></td> <td></td> <td>Cut (2)</td> <td>Excavation</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				Cut (2)	Excavation								
R0JECT TOTAL Total Common Exc valion is the sum of the Cut and EBS Excavation columns. Item number 205.0100 2 21 8139 8139 1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100 2 Salvaged/Unusuable Pavement Material Is included in Cut. 3 EBS Excavation 3) EBS Excavation 4 Salvaged/Unusuable Pavement Material 5 Naviable Material = Cut - Salvaged/Unusuable Pavement Material 5 Salvaged/Unusuable Pavement Material 13) Espanded FIII. Factor = 1.11 Expanded FIII = Unexpanded FIII = Neck* Rock Factor - Reduced Marsh - Reduced EBS) * FIII Factor 0 r Expanded FIII = Unexpanded FIII = Rock* Rock Factor - Reduced Marsh - Reduced EBS) * FIII Factor 0 r Expanded FIII = Unexpanded FIII = Neck* Rock Factor - Reduced Marsh - Reduced EBS) * FIII Factor 0 r Expanded FIII = Unexpanded FIII = Rock* Rock Factor - Reduced Marsh - Reduced EBS) * FIII Factor 0 r Expanded FIII = Unexpanded FIII = Neck* Rock Factor - Reduced Marsh -	TH 69 Th D STH 69 Ross Circle	6+38 to 9+50 16+50 to 23+50	Mainline Parking Lane Driveway	697 363		87 88 0	611 275	38 ; 0	2 179	2 569 0 275	569 275		-
 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 4) Salvaged/Unsuable Pavement Material 5) Available Material = Cut - Salvaged/Unusuable Pavement Material 13) Expanded Fill = Cut - Salvaged/Unusuable Pavement Material 13) Expanded Fill = Cut - Salvaged/Unusuable Pavement Material 13) Expanded Fill = Cut - Salvaged/Unusuable Pavement Material 14) The Mass Ordinate + or - City calculated for the Division. Plus quantity indicates a excess of material within the Division. 14) The Mass Ordinate + or - Qity calculated for the Division. Plus quantity indicates an excess of material within the Division. 15) Borrow Excavation: Borrow shall not contain organics. See Specifications for additional information. Undistributed EBS is calculated as 10% of pavement area with a depth of 1-ft. 			<u> </u>	Total Common Exc	•		8361	200	221	8130	8130		•
14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division. 15) Borrow Excavation: Borrow shall not contain organics. See Specifications for additional information. Undistributed EBS is calculated as 10% of pavement area with a depth of 1-ft.		13) Expanded Fill. Facto	or = 1.11	Suaple Favenient Mat	Or	Expanded Fill =	(Unexpanded Fill	- Rock* Rock Fac	ctor - Reduced	EBS) * Fill Factor		Factor	
					quantity indicat	Expanded Fill = es an excess of i	Unexpanded Fill *	* Fill Factor				Division.	
ROJECT NO: 1690-05-71 HWY: STH 69 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET:	* Undistributed EBS is calculated	as 10% of pavement area v	vith a depth of 1-1	it.									
ROJECT NO: 1690-05-71 HWY: STH 69 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET:													
ROJECT NO: 1690-05-71 HWY: STH 69 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET:													
OJECT NO: 1690-05-71 HWY: STH 69 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET:													
OJECT NO: 1690-05-71 HWY: STH 69 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET:													
	ROJECT NO: 1690-05-71	HWY: STH 69		COUNTY: DA	ANE .		MISCELLANEOUS	S QUANTITIES				SHEET:	

FILE NAME :

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BASE AGGREGATE DENSE 1-1/4 INCH

						305.0120	
STREET	FROM		то	LOCATION	OFFSET	TON	CATEGOR
STH 69	10+18	-	12+25	MAINLINE	LT & RT	1,112	10
STH 69	12+25	-	17+50	MAINLINE	LT & RT	1,362	10
STH 69	17+50	-	23+50	MAINLINE	LT & RT	1,944	10
STH 69	23+50	-	28+50	MAINLINE	LT & RT	1,798	10
SERV-US STREET	201+18	-	201+72	SIDE STREET	LT & RT	176	10
CTH D	102+94	-	104+01	SIDE STREET	LT & RT	500	10
UNDISTRIBUTED				DRIVEWAYS	LT & RT	30	10
STH 69	12+25	-	17+50	PARKING LANE	RT	28	10
STH 69	17+50	-	23+50	PARKING LANE	RT	254	10
BROSS CIRCLE		-		RADIUS RETURN	LT	78	10
BROSS CIRCLE		-		DRIVEWAY	LT	152	10
IECT TOTAL						7,434	

						312.0110	
STREET	FROM		то	LOCATION	OFFSET	TON	CATEGOR
STH 69	10+18	-	12+25	MAINLINE	LT & RT	1,012	10
STH 69	12+25	-	17+50	MAINLINE	LT & RT	1,282	10
STH 69	17+50	-	23+50	MAINLINE	LT & RT	1,898	10
STH 69	23+50	-	28+50	MAINLINE	LT & RT	1,764	10
SERV-US STREET	201+18	-	201+72	SIDE STREET	LT & RT	176	10
CTH D	102+94	-	104+01	SIDE STREET	LT & RT	492	10
STH 69	12+25	-	17+50	PARKING LANE	RT	28	10
STH 69	17+50	-	23+50	PARKING LANE	RT	254	10
BROSS CIRCLE		-		RADIUS RETURN	LT	72	10
BROSS CIRCLE		-		DRIVEWAY	LT	0	10

CONCRETE PAVEMENT APPROACH SLAB CAT 10 416.0170 CAT 10 415.0410 STREET FROM STATION TO STATION SY STREET FROM STA TO STA SY STH 69 10+17 1225 31 STREET FROM STA TO STA SY STH 69 10+17 1225 31 STREET FROM STA TO STA SY STH 69 10+17 1225 31 STH 69 12+25 17+50 23+50 35 STH 69 12+25 17+50 23+50 35 STH 69 12+25 13 STH 69 23+50 28+50 33 STH 69 23+50 28+50 33 STH 69 23+50 28+50 33							CONCRETE DRIVEW	AY 7-INCH	
415.0410 STH 69 10+17 12+25 31 STREET FROM STA TO STA SY STH 69 12+25 17+50 29 STH 69 13+54 - 13+66 53 STH 69 17+50 23+50 35 STH 69 15+08 - 15+93 67 STH 69 201+18 201+72 -			CONCRETE PAVEME	ENT APPROACH SLAB	CAT 10	STREET	FROM STATION	TO STATION	416.0170
STREET FROM STA TO STA SY STH 69 12+25 17+50 29 STH 69 13+54 - 13+66 53 STH 69 17+50 23+50 35 STH 69 15+08 - 15+93 67 SERV-US STREET 201+18 201+72 -									
STH 69 13+54 - 13+66 53 STH 69 23+50 28+50 13 STH 69 15+08 - 15+93 67 SERV-US STREET 201+18 201+72 -	-	STREET	FROM STA	TO STA	SY				
STH 69 23+50 28+50 13 STH 69 15+08 - 15+93 67 SERV-US STREET 201+18 201+72 -	-		10 - 54	10100	50	STH 69	17+50	23+50	
SERV-05 STREET 201+18 201+72 -						STH 69	23+50	28+50	13
	-		15+08	- 15+93		SERV-US STREET	201+18	201+72	-
CTH D 102+94 104+01 27		PROJECT TOTAL			120	CTH D	102+94	104+01	27
PROJECT TOTAL 135						PROJECT TOTAL			135
	ROJECT NO: 16	90-05-71	HWY: S	TH 69	COUNTY: DANE	MISCELLANEOUS QUAN	ITITIES		SHEET:

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PLOT SCALE : 1:1

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REHEATING HMA PAVEMENT LONGITUDINAL JOINTS

STREET	FROM STATION	TO STATION	416.0180 SY	STREET	FROM STATION
STH 69	10+17	12+25	55	STH 69	10+18
STH 69	12+25	17+50	70	SERV-US STREET	201+18
STH 69	17+50	23+50	-	CTH D	102+94
STH 69	23+50	28+50	-	PROJECT TOTAL	
ERV-US STREET	201+18	201+72	-		
CTH D	102+94	104+01	-		
JECT TOTAL			125		

CONCRETE DRIVEWAY 8-INCH

ASPHALTIC PAVEMENT

					455.0605 Tack Coat	460.5223 HMA PAVEMENT 3 LT 58-28 S	460.5224 HMA PAVEMENT 4 LT 58-28 S	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	
STREET	FROM		ТО	LOCATION	GAL	TON	TON	TON	CATEGORY
STH 69	10+18	-	12+25	MAINLINE	253	212	142	12	10
STH 69	12+25	-	17+50	MAINLINE	316	265	177	4	10
STH 69	17+50	-	23+50	MAINLINE	457	384	256	0	10
STH 69	23+50	-	28+50	MAINLINE	453	380	253	4	10
SERV-US STREET	201+18	-	201+72	SIDE STREET	41	35	23	0	10
CTH D	102+94	-	104+01	SIDE STREET	122	103	68	0	10
STH 69	12+25	-	17+50	PARKING LANE	8	7	5	0	10
STH 69	17+50	-	23+50	PARKING LANE	76	64	43	0	10
BROSS CIRCLE		-		RADIUS RETURN	14	12	8	0	10
BROSS CIRCLE		-		DRIVEWAY	69	0	51	0	10
OJECT TOTALS					1809	1462	1026	20	

PROJECT NO: 1690-05-71	HWY: STH 69	COUNTY: DANE	MISCELLANEOUS QUANTITIE	ES
FILE NAME :		PLOT DATE :	PLOT BY :	PLOT NAME :

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		CAT 10
		460.4110.S
	TO STATION	LF
-	28+50	3379
-	201+72	108
-	104+01	214
		3701

Е

		ASPHALTI	C CURB				010551				CAT 10 601.0411
					CAT 10	-	STREET	FROM STATION	10	STATION OFFSET	
					465.0310		STH 69	10+17	-	12+25 LT & R	
S ⁻	REET FROM	STATION	TO STATION	OFFSET	LF		STH 69 Sth 69	12+25 17+50	-	17+50 LT & R [*] 23+50 LT & R [*]	
		6+59 -	27+66	RT	107		STH 69	23+50	-	28+50 LT & R	
	n 09 2		27+00	ΝI	107		SERV-US STREET	201+18		201+72 LT & R	
PROJECT T	OTAL				107		CTH D	102+94	-	104+01 LT & R	T 251
						PR	OJECT TOTAL				3,412
		CONCRETE CURE	B PEDESTRIAN					CONCRETE	SIDEWALK	5-INCH	CAT 10
					CAT 10						602.0410
					601.0411		STREET	FROM STA	TO STA		SF
ST	EET FROM	STATION	TO STATION	OFFSET	LF		STH 69 STH 69	10+17 - 12+25 -	12+25		2,138
							STH 69 STH 69	12+25 - 17+50 -	17+50 23+50		1,973 1,368
STI	69	10+38 -	10+63	LT	36		STH 69	23+50 -	28+50		980
PROJECT TO	TAL				36	PR	OJECT TOTAL				6,459
CURB RA	MP DETECTABLE WAR	NING FIELD YEL	LOW Cat 10					STORM SEWER PIPE			
OTREET		055057	602.0505							/-	
STREET STH 92	FROM STA 303+75	OFFSET LT	SF13				CAT 10 608.0315	CAT 10 608.031		CAT 10 608.0324	CAT 10 608.0412
STH 92	303+75	RT	10				STORM SEWER PI			STORM SEWER PIPE	STORM SEWER PIPE
STH 69	10+46	LT	16				REINFORCED CONC			REINFORCED CONCRETE	REINFORCED CONCRET
STH 69	10+46	RT	12		FROM	то	CLASS III 15-I			CLASS III 24-INCH	CLASS IV 12-INCH
STH 69	16+10	LT	13	STREET		STATION	LF	LF	-	LF	LF
STH 69	16+41	LT	13								
STH 69	17+87	LT	10	STH 69		17+00	45	15		193	79 77
STH 69 STH 69	17+87	RT	10 13	STH 69 STH 69		24+50 28+50	100 296	134 100		92	77 131
STH 69 STH 69	18+30 25+47	RT RT	13	PROJECT T		20.00	441	249		285	287
	26+35	RT	20		• · / L		771	243		200	201
STH 69											

STORM SEWER STRUCTURES

STREET STRUCTURE RD, STATURE RD, STATU					CAT 10 522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-inch	CAT 10 611.0420 Reconstructing Manholes	CAT 10 611.0530 Manhole Covers Type J	CAT 10 611.0606 Inlet covers Type B	CAT 10 611.0624 Inlet Covers Type H	CAT 10 611.0639 INLET COVERS TYPE H-S	CAT 10 611.2004 MANHOLES 4-FT DIAMETER	CAT 10 611.2005 MANHOLES 5-FT DIAMETER	CAT 10 611.2007 MANHOLES 7-FT DIAMETER	CAT 10 611.3004 INLETS 4-FT DIAMETER	CAT 10 611.3220 INLETS 2X2-FT	CAT 10 611.3230 INLETS 2X3-FT
BTH 69 200 1347 202 11 1 1 1 1 1 1 1 1 1 1	STREET	STRUCTURE NO.	STATION	OFFSET		EACH	EACH	EACH	EACH	EACH					EACH	EACH
BTH 69 S01 11-27 20.5 LT 1 1																1
STH 69 300 19-28 37.9 17 1 1 <td< td=""><td>STH 69</td><td>201</td><td>13+47</td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></td<>	STH 69	201	13+47						1							1
BTH 69 DD1 15-40 13-5 1 <	STH 69	202	13+54	34.8' LT		1										
BTH 66 502 154.00 6.0° LT 1 <th1< th=""> 1 1</th1<>							1				1					
BTH 69 303 19:40 20:3/ BT 1 1 1 1 1 1 1										1				1		
BTH 66 D04 11-4-5 P.0 T. T. <tht.< th=""> T. T.</tht.<>							-					1				
BTH 69 305 1647 20.0°, LT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										1						1
BTH 69 305 16-45 20.0 FT 1 1 1 <th1< th=""> <th1< th=""> 1</th1<></th1<>							-						1			
BTH 66 S07 16:26 R0.0° LT 1 1 <th1< th=""> 1 1 1 <</th1<>									1							1
BTH 69 308 19-26 9.0° LT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <																1
BTH 69 309 19-26 20.0 RT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											1					
BTH 68 310 179-92 9,0 LT							-			1						1
SERV-UB 311 201+45 14,6' LT 1 1 <											_					
STH 69 400 22-497 20.0' RT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <th1< th=""> 1 1</th1<>										1				1		
STH 69 401 22-97 20.0' LT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <th1< th=""> 1 <th1< th=""> <th1< t<="" td=""><td>SERV-US</td><td></td><td>201+45</td><td>14.6' RT</td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>1</td></th1<></th1<></th1<>	SERV-US		201+45	14.6' RT						1						1
STH 69 500 28-53 36.7' NT 1 1 1 1 <th1< th=""> 1 1 1 <</th1<>		400	22+97						1							1
STR 69 501 28*27 37.6* RT 1 1 1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>									1							1
STR 69 502 26-59 25.2 PT										1						1
STR 69 503 26+45 48 LT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										1				1		
STH 69 507 26+45 15.9 kT 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td>									1					1		
STR 69 STR 60 STR 60 STR 60 STR 60 STR 60 STR 60 STR 60 STR 60					_				-					1		
STH 69 506 27+75 20.0' LT 1 1 1 1 1 1 1 1 <th1< th=""> 1 <th1< th=""> <th1< t<="" td=""><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th1<></th1<></th1<>					•			_								
OJECT TOTAL 1 1 5 1 8 9 3 1 1 5 1 12 PIPE UNDERDRAIN 6-INCH CAT 10								-								
NGS GUARDRAIL * GAT 10 GAT 10 GAT 10 CAT			27310												1	. 12
CAT 10 CAT 10 CAT 10 CAT 10 STREET FROM STATION TO STATION LF MGS GUARDRAIL 3 TERMINAL EAT TERMINAL TYPE 2 STH 69 10+17 - 17+00 400 614.2300 614.2300 614.2610 614.2620 STH 69 10+17 - 17+00 400 518 518 614.2300 614.2610 614.2620 STH 69 10+17 - 28+50 200 300 518 619 19+00 TO 26+50 LT 728 1 1 SERV-US STREET 201+18 - 201+72 200 FH 69 19+00 TO 26+50 LT 728 1 1 PROJECT TOTAL 102+94 - 104+01 200 PROJECT TOTAL 728 1 1 * NOTE: MGS GUARDRAIL WITH TYPE K POSTS MAY BE USED AS NECESSARY DUE TO SLOPES BEHIND GUARDRAIL * * NOTE: MGS GUARDRAIL WITH TYPE K POSTS MAY BE USED AS NECESSARY DUE TO SLOPES BEHIND GUARDRAIL					DDDATN 6-TNCH						MGS GUAR	IDRAIL *				
STREET FROM STATION TO STATION LF GUARDRAIL 3 TERMINAL TYPE 2 614.2620				THE ONDER	IDIATI O-TIOU							CAT 10	CAT 10	D	CAT 10	
STH 69 17+00 - 24+50 300 STH 69 24+50 - 28+50 200 SERV-US_STREET 201+18 - 201+72 200 CTH D 102+94 - 104+01 200 PROJECT TOTAL 728 1 1 * NOTE: MGS_GUARDRAIL WITH TYPE K_POSTS_MAY_BE_USED AS_NECESSARY_DUE TO SLOPES_BEHIND_GUARDRAIL.	_					612.0106 LF		STREET	ST/	ATION		UARDRAIL 3 614.2300	TERMINAL 614.26 ⁻	EAT TER 10	MINAL TYPE 2 614.2620	2
STH 69 24+50 - 28+50 200 SERV-US STREET 201+18 - 201+72 200 CTH D 102+94 - 104+01 200 PROJECT TOTAL 728 1 1 * NOTE: MGS GUARDRAIL WITH TYPE K POSTS MAY BE USED AS NECESSARY DUE TO SLOPES BEHIND GUARDRAIL.									517				2.001			
SERV-US STREET 201+18 - 201+72 200 CTH D 102+94 - 104+01 200 PROJECT TOTAL 728 1 1 * NOTE: MGS GUARDRAIL WITH TYPE K POSTS MAY BE USED AS NECESSARY DUE TO SLOPES BEHIND GUARDRAIL. * NOTE: MGS GUARDRAIL WITH TYPE K POSTS MAY BE USED AS NECESSARY DUE TO SLOPES BEHIND GUARDRAIL.								STH 60	10+00	TO 26+50	I T	728	1		1	
CTH D 102+94 - 104+01 200 PROJECT TOTAL 728 1 1 1 PROJECT TOTAL 728 1 1 1 * NOTE: MGS GUARDRAIL WITH TYPE K POSTS MAY BE USED AS NECESSARY DUE TO SLOPES BEHIND GUARDRAIL.									19+00		LI	120			<u> </u>	
PROJECT TOTAL 1,300 * NOTE: MGS GUARDRAIL WITH TYPE K POSTS MAY BE USED AS NECESSARY DUE TO SLOPES BEHIND GUARDRAIL.			EE							PROJEC	T TOTAL	728	1		1	
ROJECT NO: 1690-05-71 HWY: STH 69 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEFT	P			102+94	- 104+01		- *	NOTE: MGS G	WARDRAIL WI	ТН ТҮРЕ К Р(DSTS MAY B	E USED AS NI	ECESSARY DU	E TO SLOPE	ES BEHIND GU	ARDRAIL.
		: 1690-05-71		HW/Y· 9	STH 69	COUNTY					FS				SHEET	

	PIPE UNDE	RDRAIN 6	- INCH				MGS GI	UARDRAII Cat
STREET	FROM STATI	ON	TO STATION	CAT 10 612.0106 LF				MO GUARDI 614.
STH 69	10+17	-	17+00	400	STREET	STATION	OFFSET	L
STH 69		-	24+50	300				
STH 69		-	28+50	200	STH 69	19+00 TO 26+50	LT	72
SERV-US ST CTH D	REET 201+18 102+94	-		200 200		PROJ	IECT TOTAL	72
PROJECT TOTAL				1,300	* NOTE: MGS GU	ARDRAIL WITH TYPE K	POSTS MAY	BE USE
ROJECT NO: 1690-05-71	HWY	STH 69		COUNTY: DANE	 	/ISCELLANEOUS QUANT	TITIES	

							WATE			
		MOBILIZATION				070557			624.0100	0
			* CAT 10			 STREET STH 69	FROM 10+17	T0 12+25	MGAL	CATEGORY
			619.1000			STH 69	12+25	17+50	13.6	10 10
	L00	CATION	EACH			STH 69	17+50	23+50	19.4	10
	PROJECT	1690-05-71	0.9			STH 69	23+50	28+50	18.0	10
		PROJECT TOTAL	0.9			SERV-US STREET	201+18	201+72	1.8	10
						 CTH D	102+94	104+01	5.0	10
		= COMBINATION OF				STH 69	12+25	17+50	0.3	10
		1690-05-72. ADD		70		STH 69	17+50	23+50	2.5	10
	QUANILIY OF MU	BILIZATION IN PRO	JECI 1090-05-	/2.		BROSS CIRCLE	RADIUS RETURN		0.8	10
						 BROSS CIRCLE	DRIVEWAY		1.5	10
							·	PROJECT TOTAL	74	
		TOPSOIL								
				CAT 10			MULCI	HING		
	STREET	FROM STATION	TO STATION	625.0100					CAT 10	
_	STH 69	10.17	12+25	SY 69					627.0200)
	STH 69	10+17 - 12+25 -	12+25	89 304		STRE				
	STH 69	17+50 -	23+50	747		STH		- 12+2		
	STH 69	23+50 -	28+50	634		UNDISTR		TOTA	2	_
_	UNDISTRIBUTED			175			PROJECT	IUIAL	22	
		PROJECT TOTAL		1929						
		SILT FENCE								
			CAT 10	CAT 10	CAT 10		EROSION CONTROL M	MORTLIZATIONS		
			628.1504	628.1520	SPV.0090.07					
					SILT FENCE			528.1905	628.1910	
			SILT FENCE	MAINTENANCE				ILIZATIONS	MOBILIZATIO	
STREET	FROM STATION	TO STATION	LF	LF	LF		ERUS.	ION CONTROL	EMERGENCY Erosion Cont	
STH 69		- 12+25	0	0	0	LOCATIO	N	EACH	EACH	
STH 69	12+25	- 17+50	0	230	230	PROJECT 1690		10	5	
STH 69 Sth 69	17+50 23+50	- 23+50 - 28+50	404 435	464	60 127		ROJECT TOTAL	10	5	
STH 09 SERV-US STREET		- 28+50 - 201+72	435 0	562 0	127 0					
CTH D	102+94	- 104+01	0	0	0					
	PROJECT TOT		839	1,256	417					

							CAT	10					
				REET RIBUTED	FROM STATION	TO STATION	628. EROSION M CLASS I S 20 20	MAT URBAN TYPE A Y So					
			т		ED QUANTITY FOR TABILIZATION IN .	EROSION MAT SHA	ALL ONLY BE	USED FOR					
	IN	NLET PROTECTION											
			CAT 10 628.7005 INLET PROTECTION	CAT 10 628.7015 INLET PROTECTION	CAT 10 628.7020 INLET PROTECTION				ROCK BAG	GS		CAT 10 628.7570	
			ΤΥΡΕ Α	TYPE C	TYPE D	-	STREE		OM STATION		TO STATION	EACH	_
STREET	FROM STATION	TO STATION	EACH	EACH	EACH		STH 6		10+17	-	12+25	2	
STH 69	10+17	- 12+25	0	1	0		STH 6 Sth 6		12+25 17+50	-	17+50 23+50	24 16	
STH 69 STH 69	12+25 17+50	- 17+50 - 23+50	6 4	4 2	2		STH 6		23+50	-	28+50	22	
STH 69	23+50	- 23+50 - 28+50	4 6	2	2		SERV-US S		201+18	-	201+72	8	
SERV-US STREET		- 201+72	2	0	2		СТН		102+94	-	104+01	0	
CTH D	102+94	- 104+01	0	0	0	-			PROJECT TO	TAL		72	-
	PROJECT TO	DTAL	18	9	9								
	FERT	ILIZER TYPE B							SOD QUANT	ITIES			
											0AT 40	0AT 10	A1T 4
			CAT 10								CAT 10 631.0300	CAT 10 631.1000	CAT 1 631.11
	0TDFFT	M TO	629.0210								SOD	SOD	SOD EROS
=	STREET FR0 STH 69 10+1		<u>CWT</u> 0.0	_							WATER	LAWN	CONTRO
	STH 69 12+2		0.0			STRE STH		FROM 10+17	T0 12+25		MGAL	<u>SY</u> 49	SY 0
		50 - 23+50	0.5			STH		12+25	12+25		3 20	49 254	0 50
	STH 69 23+5		0.4			STH		17+50	23+50		50	644	103
U	NDISTRIBUTED		0.1	_		STH		23+50	28+50		43	551	83
		PROJECT TOTAL	1.2			UNDISTR	IBUTED	UNDISTRIBUTED			12	150	24
									PROJECT T	UTAL	129	1,648	259
ECT NO: 1690-05-71	Н	WY: STH 69		COUNTY		MISC						SHEET	
					PLOT DATE ·			PLOT		DL			

EROSION MAT *

FILE NAME : ____

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PLOT DATE :

PLOT BY :

PLOT NAME : _____

								ТҮР	E II SIGNS					
SIGN								634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT	634.0816 POSTS Tubular Steel 2x2-Inch X 16-FT	634.0818 POSTS Tubular Steel 2x2-Inch X 18-FT	637.2210 Signs Type II Reflective H	637.2230 Signs Type II Reflective F	638.2102 MOVING SIGNS TYPE II	6
NO.	LOCATION	STATION	OFFSET	SIGN CODE	MESSAGE		SIZE	EACH	EACH	EACH	SF	SF	EACH	
200	STH 92	301+93	25' RT	J2-2	NORTH, STH 69, NEXT LEFT EAST, STH 92, AHEAD ARROW	48	X 57	-	+	-	19.0	1.9	-	
200	STH 92	303+17	25' RT	J13-1	NORTH, STH 69, LEFT ARROW	24	X 57	-	1	-	9.5	-	•	
202	STH 92	303+23	25' RT	J2-3	EAST, STH 92, LEFT ARROW South, STH 69, RIGHT ARROW WEST, STH 92, RIGHT ARROW	72	X 57	-	-	-	28.5	-	-	
203	STH 92	304+23	25' RT	J3-1	EAST, STH 92, RIGHT ARROW		X 57	-	1	-	9.5	-	-	
204	STH 69	10+58	31' LT	R1-1	STOP		X 36	-	1	-	7.5	-	-	
205	STH 69	10+58	31' LT	R11-54-F	TRAFFIC FROM RIGHT DOES NOT STO		X 15	-	-	-	4.4	-	-	
206	STH 92	10+26	60' RT	R1-1	STOP		X 36	-	1	-	9.0	-	-	
207	STH 92	10+26	60' RT	W4-4B	ONCOMING TRAFFIC DOES NOT STOP SOUTH, STH 69,	4 2	X 15	-	-	-	-	4.4	-	
208	STH 69	304+22	25' LT	JV3-3	WEST, STH 92, AHEAD ARROW (BLANK), NORTH STH 69, RIGHT	48	X 93	-	-	1	31.0	-	-	
209	STH 69	11+12	25' RT	J4-1	NORTH, STH 69	24	X 36	-	1	-	6.0	-	-	
210	STH 69	11+49	34' RT		DO NOT ENTER	-	-	-	-	-	-	-	1.0	
211	STH 69	11+68	25' RT	R3-17, R3-17-AP	BIKE LANE, BEGINS		X 36	-	1	-	7.5	-	-	
212	STH 69	303+29	25' RT	W1-7	DOUBLE ARROW	48	X 24	1	-	-	-	8.0	-	
220	STH 69	12+74	25' RT	R2 - 1	SPEED LIMIT 30 MPH	24	X 30	1	-	-	5.0	-	-	
221	STH 69	13+65	30' LT	J2-2	SOUTH, STH 69, AHEAD RIGHT ARRO WEST, STH 92, AHEAD RIGHT ARRO		X 57	-	1	-	19.0	-	-	
222	STH 69	15+16	29' LT	J2 - 1	EAST, STH 92, AHEAD LEFT ARROV	V 24	X 57	-	1	-	9.5	-	-	
223	STH 69	15+85	24' LT	W3 - 1	STOP AHEAD	36	X 36	-	1	-	-	9.0	-	
224	STH 69	16+07	35' LT	-	RIVER ST, BROSS CIR	-	-	-	-	-	-	-	-	
225 226	STH 69 STH 69	16+09	37' LT 25' LT	R1-1	STOP BIKE LANE, ENDS	30	X 30 X 36	-	-	-	5.2	-	-	
	318 09	17+43	23 LI	R3-17, R3-17-BP	BIKE LANE, ENDS	30	X 30	•	1	-	7.5	-	-	
230	STH 69	17+64	25' RT	R2 - 1	SPEED LIMIT 30	24	X 30	1	-	-	5.0	-	-	
231	STH 69	18+29	41' RT	R1-1	STOP	30	X 30	1	-	-	5.2	-	-	
232	STH 69	18+47	24' RT	-	RIVER ST, SERV-US ST	-	-	-	-	-	-	-	-	
233	STH 69	19+00	25' RT	R3-17	BIKE LANE	30		1	-	-	5.0	-	-	
234	STH 69	19+85	25' LT	J1-1	JCT, STH 92	24		-	1	-	6.5	-		
235 236	STH 69 STH 69	20+14 20+48	25' RT 27' LT	J1-1 R3-17	JCT, CTH D BIKE LANE		X 39 X 24	- 1	1	-	6.5 5.0	-	-	
	318 09	20+48	27 LI	N3-17	DIRE LANE	30	X 24	I	-	-	5.0			
240	STH 69	23+52	26' LT	R2-1	SPEED LIMIT 30	24	X 30	1	-	-	5.0	-	-	
241	STH 69	24+47	25' LT	J4-1	SOUTH, STH 69	24	X 36	-	1	-	6.0	-	•	
242	STH 69	23+55	25' RT	R2 - 1	SPEED LIMIT 30	24	X 30	1	-	-	5.0	-	-	
243	STH 69	24+61	24' RT	J13-1	CTH D, RIGHT ARROW	24	X 45	-	1	-	7.5	-	-	
244	CTH D	103+13	27' LT	M1-5A	CTH D		X 43 X 24	1	-	-	4.0	-	-	
245	CTH D	102+57	27' LT	R2-1	SPEED LIMIT 30 MPH		X 30	1	-	-	5.0	-	-	
246	STH 69	25+82	25' LT	W1-7	DOUBLE ARROW		X 24	1	-	-	-	8.0	-	
247	STH 69	26+18	25' LT	J13-1	CTH D, LEFT ARROW	24	X 45	-	1	-	7.5	-	-	
248	STH 69	26+29	45' RT	J13-1	STH 69, DOUBLE ARROW	24	X 45	-	1	-	7.5	-	-	
249	STH 69	26+24	45' RT	R1-1	STOP	30	X 30	1	-	-	5.2	-	-	
250	STH 69	26+33	37' RT	-	RIVER ST, THIRD AVE	-		-	-	-	-	-	-	
251	STH 69	28+48	26' RT	R3-17, R3-17-AP	BIKE LANE, BEGINS	30	X 36	-	1	-	7.5	-	-	
252	STH 69	23+99	24' RT	R3-17, R3-17-BP	BIKE LANE, ENDS	30	X 36	-	1	-	-	-	-	
I –					PROJECT TOTAL			13	19	1	271	31	1	
PRO	ECT NO: 1690	-05-71		HWY: S1	гн 69 Ги		TY: DAN	IF			NEOUS QUAN	TITIES		

)2 3 I	638.4000 Moving SMALL Sign Supports		ALL SIGNS Category 0010 Unless otherwi Noted	
	EACH	REMARKS		
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					CAT 10	CAT 10	
					638.2602 REMOVING SIGNS Type II	638.3000 REMOVING SMALL SIGN SUPPORTS	
REMOVAL NO.	LOCATION	MESSAGE	STATION	OFFSET	EACH	EACH	REMARKS
100	STH 92	NORTH, STH 69, ARROW	303+17	25' RT	1	1	
		EAST, STH 92, ARROW, South, STH 69, Arrow, West, STH 92, Arrow,					
101	STH 92	NO U-TURN, DOUBLE ARROW	303+23	25' RT	1	2	
		TRAFFIC MUST YIELD TO					
102	STH 92	PEDESTRIANS IN CROSSWALK	303+33	25' RT			EXISTING
103	STH 92	STREET NAME SIGNS	303+46	25' RT	••		EXISTING
		NORTH, STH 69, ARROW				•	
104	STH 92	EAST, STH 92, ARROW	301+94	25' RT	1	2	
105	0711 00	STOP, TRAFFIC FROM RIGHT	40.70	07. J.T			
105	STH 69	DOES NOT STOP	10+70	27' LT	1	1	
106	CTU 60	NORTH, STH 69, SPEED	10.75		1	4	
106	STH 69	LIMIT STOP, ONCOMING TRAFFIC	10+75	26' RT		I	
107	STH 69	DOES NOT STOP	10+28	43' RT	1	1	
107	511 09	BROOKLYN, NEW GLARUS, MT	10+28	43 NI			
110	STH 69	HOREB	12+62	26' LT	1	2	
111	STH 69	BELLEVILLE INFORMATION	12+98	36' LT			EXISTING
	5111 03	EAST, STH 92, ARROW,	12+50	30 LI			LAISTING
112	STH 69	WEST, STH 92, ARROW	15+17	32' LT	1	1	
		, , ,					
113	STH 69	BELLEVILLE COMMUNITY PARK	15+86	52' LT			EXISTING
114	STH 69	STOP	16+19	33' LT	1	1	
115	STH 69	STREET NAME SIGNS	16+20	31' LT			SIGN TO B
120	STH 69	SPEED LIMIT	17+66	25' RT	1	1	
121	STH 69	STOP	201+55	22' RT	1	1	
122	STH 69	STREET NAME SIGNS	201+58	23' RT			SIGN TO B
123	STH 69	SOUTH, STH 69, ARROW	18+85	26' LT	1	1	
124	STH 69	STOP AHEAD	19+84	25' LT	1	1	
125	STH 69	JCT, CTH D	20+11	25' RT	1	1	
126	STH 69	CURVE AHEAD	22+07	25' RT	1	1	
127	STH 69	LAKE BELLE VIEW	21+81	29' LT			EXISTING
128	STH 69	JCT, STH 92	22+95	26' LT	1	1	
130	STH 69	SPEED LIMIT	24+40	27' LT	1	1	
131	STH 69	SPEED LIMIT	24+47	24' RT	1	1	
132	STH 69	CTH D, ARROW	25+24	24' RT	1	1	
133	CTH D	CTH D, SPEED LIMIT	103+14	28' LT	1	1	
134	STH 69	UNITED METHODIST CHURCH	24+85	28' LT		••	EXISTING
135	STH 69	DOUBLE ARROW	25+80	26' LT	1	1	
136	STH 69	CTH D, ARROW	26+14	26' LT	1	1	
137	STH 69		103+83	34' RT	1	1	
138	STH 69	STH 69, DOUBLE ARROW	103+82	37' RT	1	1	EVICTINO
139	STH 69	UNITED CHURCH OF CHRIST	26+95	32' LT			EXISTING
			PROJE	ECT TOTALS	24	27	

REMOVING SIGNS TYPE II

PROJECT NO: 1690-05-71	HWY: STH 69	COUNTY: DANE	MISCELLANEOUS QUANTITIE	S
FILE NAME :		PLOT DATE :	PLOT BY :	PLOT NAME :

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PLOT SCALE : 1:1

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PROJECT TOTAL	1	_	1690-05-71	DETOUR ROU
PROJECT 1690-05-71	1	_	PROJECT	LOCATIO
LOCATION	EACH			
	642.5201			
FIELD OFFICE T	YPE C			

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				643.0100.01 TRAFFIC CONTROL (1690-05-71)	643.0300 TRAFFIC Control Drums *		TRAFFIC Barri	643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		0900 FFIC TROL GNS
	CATEGORY	STREET	DAYS	EACH	DRUM	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS
	10	STH 69	109	1	42	1,526	34	3706	55	5,995	37	4,033
:		PROJECT TOTAL	109	1		1,526		3,706		5,995		4,033

* TRAFFIC CONTROL DRUMS USED FOR TEMPORARY PEDESTRIAN ACCESS ASSUMES 1/3 OF TOTAL CONSTRUCTION TIME (35 DAYS)

STREET	STATION	OFFSET	CAT 10 644.1410.S SF			TEMPORARY PEDES
STH 69	304"M"	22' RT	34		STREET	FROM STA
STH 69	15+70	24' LT	17	-	STH 69	10+17
STH 69	15+70	25' RT	21		STH 69	12+25
STH 69	17+44	24' LT	17		STH 69	17+50
STH 69	17+43	25' RT	21		STH 69	23+50
STH 69	27+20	18' RT	81	P	ROJECT TOTAL	
SERV-US ST	201+39	19' LT	19			
PROJECT TOTAL			210			
ECT NO: 1690-05-71	HWY: STH 69		COUNTY: DANE	MISCELL	ANEOUS QUANTIT	IES

NTROL DETOUR

DAYS EACH EACH DAYS 109 1 477 51993 1 51,993 1 51,993 0 643.0920 643.1050 TRAFFIC CONTROL SIGNS SIGNS 0. TRAFFIC CONTROL COVERING SIGNS TRAFFIC CONTROL SIGNS SIGNS 0.033 13 3 327 0.033 13 327 CAT 10 644.1616.S CAT 10 644.1616.S CAT 10 644.1616.S 12+25 0 12+25 0 12+25 0 23+50 506 28+50 332 875 875		643.2000 TRAFFIC CONT DETOUR			TROL
1 1 51,993 1 51,993 0 643.0920 643.1050 0 TRAFFIC CONTROL COVERING SIGNS TRAFFIC CONTROL SIGNS TYPE II PCMS AYS EACH EACH 033 13 3 033 13 3 033 13 327 033 13 327 033 13 327 033 13 327 033 13 327 033 13 327 033 13 327 033 13 327 033 13 327 033 13 327 033 13 327 CAT 10 644.1616.5 1 12+25 0 17+50 37 23+50 506 28+50 332 875 875	DAYS	EACH	EAC	H DA	YS
0 643.0920 643.1050TRAFFIC CONTROL TRAFFIC CONTROLCOVERING SIGNS SIGNS TYPE II PCMS AYS EACH EACH DAYS033 13 3 327033 13 3 327033 13 327 DESTRIAN SAFETY FENCE CAT 10 644.1616.S TO STA LF 12+25 0 - 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875	109	1	47	7 519	993
TRAFFIC CONTROL COVERING SIGNS TYPE II TRAFFIC CONTROL SIGNS PCMS AYS EACH EACH DAYS ,033 13 3 327 ,033 13 327 ,033 13 327 DESTRIAN SAFETY FENCE CAT 10 644.1616.S CAT 10 644.1616.S 12+25 - 12+25 0 - - 17+50 37 23+50 23+50 332 875 875		1		51,	993
TRAFFIC CONTROL COVERING SIGNS TYPE II TRAFFIC CONTROL SIGNS PCMS AYS EACH EACH DAYS ,033 13 3 327 ,033 13 327 ,033 13 327 DESTRIAN SAFETY FENCE CAT 10 644.1616.S CAT 10 644.1616.S 12+25 - 12+25 0 - - 17+50 37 23+50 23+50 332 875 875					
COVERING SIGNS TYPE II SIGNS PCMS AYS EACH EACH DAYS 033 13 3 327 033 13 327 033 13 327 DESTRIAN SAFETY FENCE CAT 10 644.1616.S CAT 10 644.1616.S 12+25 1 12+25 0 - 1 17+50 37 23+50 23+50 332 875 875	0	643.0920	643.	1050	
TYPE II PCMS AYS EACH EACH DAYS 033 13 3 327 033 13 327	; 7	FRAFFIC CONTROL	TRAFFIC	CONTROL	
AYS EACH EACH DAYS 033 13 3 327 033 13 327 033 13 327 CAT 10 644.1616.S CAT 10 644.1616.S TO STA LF - 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875 875					
033 13 3 327 033 13 327 DESTRIAN SAFETY FENCE CAT 10 644.1616.S TO STA LF - 12+25 0 - 17+50 37 - 23+50 506 - 28+50 332 875		TYPE II	PC	MS	
DESTRIAN SAFETY FENCE CAT 10 644.1616.S TO STA LF - 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875	AYS	EACH	EACH	DAYS	_
DESTRIAN SAFETY FENCE CAT 10 644.1616.S TO STA LF - 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875	033	13	3	327	
CAT 10 644.1616.S TO STA LF - 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875	033	13		327	-
CAT 10 644.1616.S TO STA LF - 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875					
CAT 10 644.1616.S TO STA LF - 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875					
CAT 10 644.1616.S TO STA LF - 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875		N CAFETY FENGE			
644.1616.S TO STA LF - 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875	DESIKIA	N SAFEIY FENCE	0AT 4	•	
T0 STA LF - 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875					
- 12+25 0 - 17+50 37 23+50 506 - 28+50 332 875		TO STA		0.5	
23+50 506 - 28+50 332 875	-				
- 28+50 332 875	-	17+50			
875		23+50	506		
	-	28+50	332		
			875		
SHEET:					

REMOVING PAVE

GEOGRID TYPE SR CAT 10 645.0220 LOCATION STREET FROM Т0 SY STH 69 17+50 23+50 MAINLINE 408 -STH 69 23+50 28+50 MAINLINE 681 -PROJECT TOTAL 1,089

STREET

STH 92

PROJECT TOTAL

PAVEMENT MARKING

					T 10 .0106 EPOXY 4-INCH YELLOW	CAT 10 646.0126 EPOXY 8-INCH WHITE	CAT 10 647.0166 Arrows Epoxy Type 2	CAT 10 647.0206 Arrows bike Lane epoxy	CAT 10 647.0306 Symbols Bike Lane Epoxy	CAT 10 647.0356 Words EPOXY	CAT 10 647.0406 Words Bike Lane Epoxy		CAT 10 647.0726 Diagonal EPOXY 12- Inch Yellow	CAT 30 647.0726 Diagonal EPOXY 12- Inch White	CAT 10 647.0766 Crosswalk Epoxy 6- Inch
STREET	FROM STATION	TO STATION	LOCATION	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	LF
CATEGORY 10															
STH 69	10+17	- 12+25	MAINLINE	109	690	170	2	1	1	2		53			231
STH 69	12+25	- 17+50	MAINLINE	1,051	1,758	83	2	2	2		3		45		
STH 69	17+50	- 23+50	MAINLINE	1,215	1,241			6	6			16			171
STH 69	23+50	- 28+50	MAINLINE	1,312	1,395	128	3	2	2		3	42	25		169
STH 69	10+17	- 12+25	PARKING LANE												
STH 69	12+25	- 17+50	PARKING LANE/BROSS CIRCLE	98								12			66
STH 69	17+50	- 23+50	PARKING LANE	567											
STH 69	23+50	- 28+50	PARKING LANE												
SUBTOTA	L			4,352	5,084	380	7	11	11	2	6	122	70	0	638
CATEGORY 10 TOTA	L			9,	436	380	7	11	11	2	6	122	70	0	638
CATEGORY 30															
<u>STH 69</u>	10:11	- 28+50	CROSSWALKS											646	
SUBTOTA				0	0	0	0	0	0	0	0	0	0	646	0
CATEGORY 30 TOTA	L				0	0	0	0	0	0	0	0	0	646	0
PROJECT TOTA	L			9.	436	380	7	11	11	2	6	122	70	646	638

PROJECT NO: 1690-05-71	ROJECT NO: 1690-05-71 HWY: STH 69		MISCELLANEOUS QUANTITIES		
FILE NAME :		PLOT DATE :	PLOT BY :	PLOT NAME :	

EMENT	MARKING	
	CAT 10	
	646.0600	
	REMOVING	
	PAVEMENT	
	MARKING	
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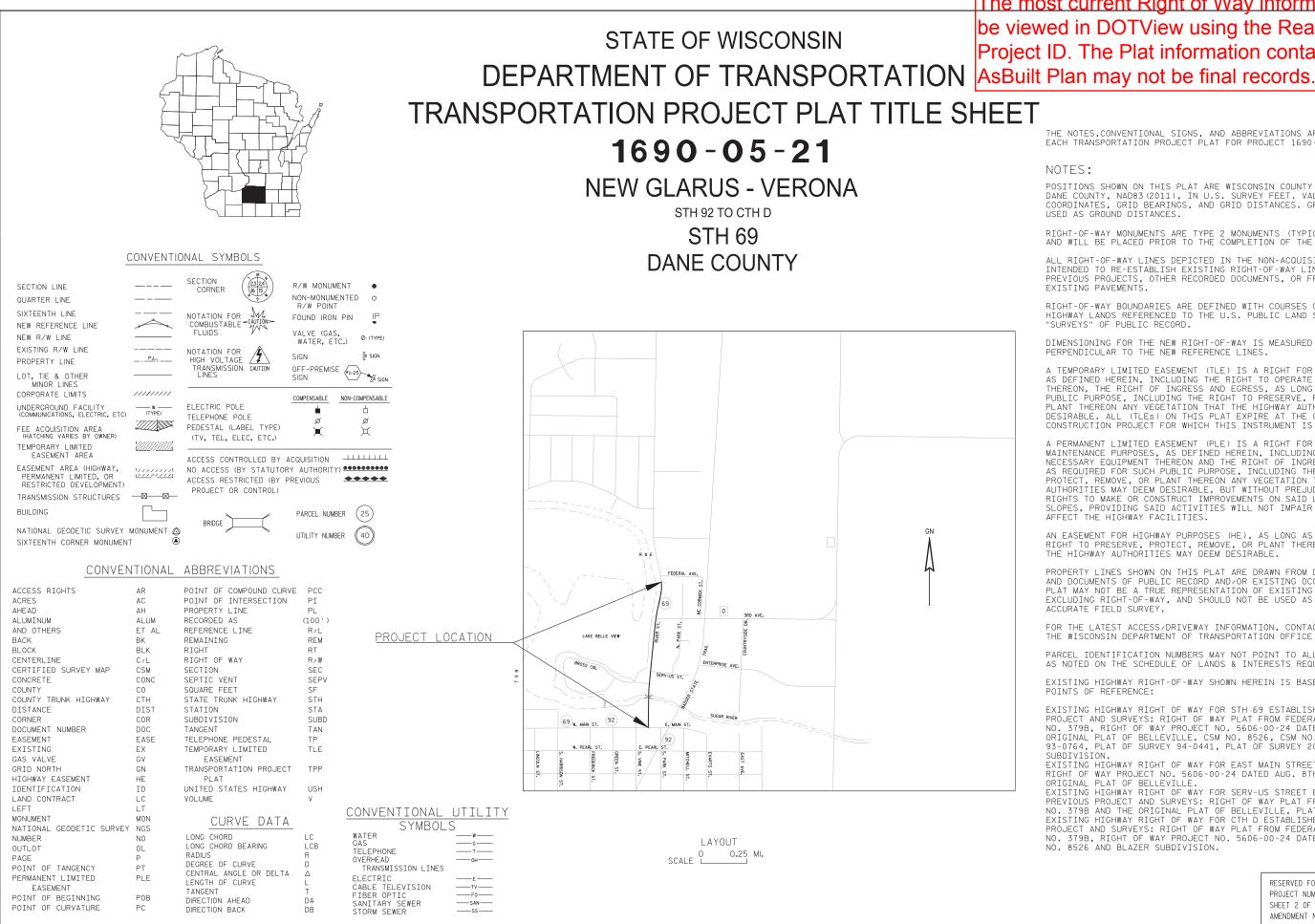
CONSTRUCTION STAKING

ITEM	QUANTITY	UNIT	DESCRIPTION	CATEGORY
650.4000	23	EACH	CONSTRUCTION STAKING STORM SEWER	0010
650.4500	1,689	LF	CONSTRUCTION STAKING SUBGRADE	0010
650.5000	1,689	LF	CONSTRUCTION STAKING BASE	0010
650.5500	3,448	LF	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	0010
650.6500	1	LS	CONSTRUCTION STAKING STRUCTURE LAYOUT (B-13-337)	0020
650.7000	27	LF	CONSTRUCTION STAKING CONCRETE PAVEMENT	0010
650.9910	1	LS	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (ID 1690-05-71)	0010
650.9920	0	LF	CONSTRUCTION STAKING SLOPE STAKES	0010
SPV.0060.29	11	EACH	CONSTRUCTION STAKING CURB RAMP	0010

		SAWING AS	PHALT			SAWING CON	ICRETE		
STREE	ET STATIO	N	TO STATION	CAT 10 690.0150 LF	STREET	STATION		0	CAT 10 690.025 LF
STH 6			17+00	398	 STH 69	10+17	-	17+00	14
STH 6			24+50	47	STH 69	17+00	-	24+50	
STH 6		-	28+50	96	 STH 69	24+50	-	28+50	
			PROJECT TOTAL	541					
	TEMPO	RARY CURB	B RAMP						
	TEMPO	RARY CURB	8 RAMP SPV.0045.01			WALL MODULAR BLC	OCK GRAVIT	'Y LRFD	
	PROJECT	*DAYS	SPV.0045.01 Each days			WALL MODULAR BLC	OCK GRAVIT	Y LRFD SPV.0165.0	2
			SPV.0045.01		S	WALL MODULAR BLC TREET FROM			2
	PROJECT	*DAYS	SPV.0045.01 Each days			TREET FROM		SPV.0165.0	2
	PROJECT 1690-05-71	*DAYS 35 Alks Will	SPV.0045.01 <u>EACH</u> DAYS 5 175 175 BE IN PLACE 1/3			TREET FROM	ТО	SPV.0165.0 SF	2

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FILE NAME : C:\USERS\DOTC4 \DESKTOP\16900521\040101_RT.DWG APPRAISAL PLAT DATE : 12/21/15

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The most current Right of Way information should be viewed in DOTView using the Real Estate Project ID. The Plat information contained in this

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1690-05-21

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY $\frac{3}{4}$ " X 24" REBARS) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INCRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONTINUENT OF THE COMPLETION THAT THE FUNCTION. CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE ACCESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT OF WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT AND SURVEYS: RIGHT OF WAY PLAT FROM FEDERAL AID PROJECT

NO. 379B, RIGHT OF WAY PROJECT NO. 5606-00-24 DATED AUG. 8TH, 2008, THE ORIGINAL PLAT OF BELLEVILLE, CSM NO. 8526, CSM NO. 4123, PLAT OF SURVEY 93-0764, PLAT OF SURVEY 94-0441, PLAT OF SURVEY 2014-00782 AND BLAZER

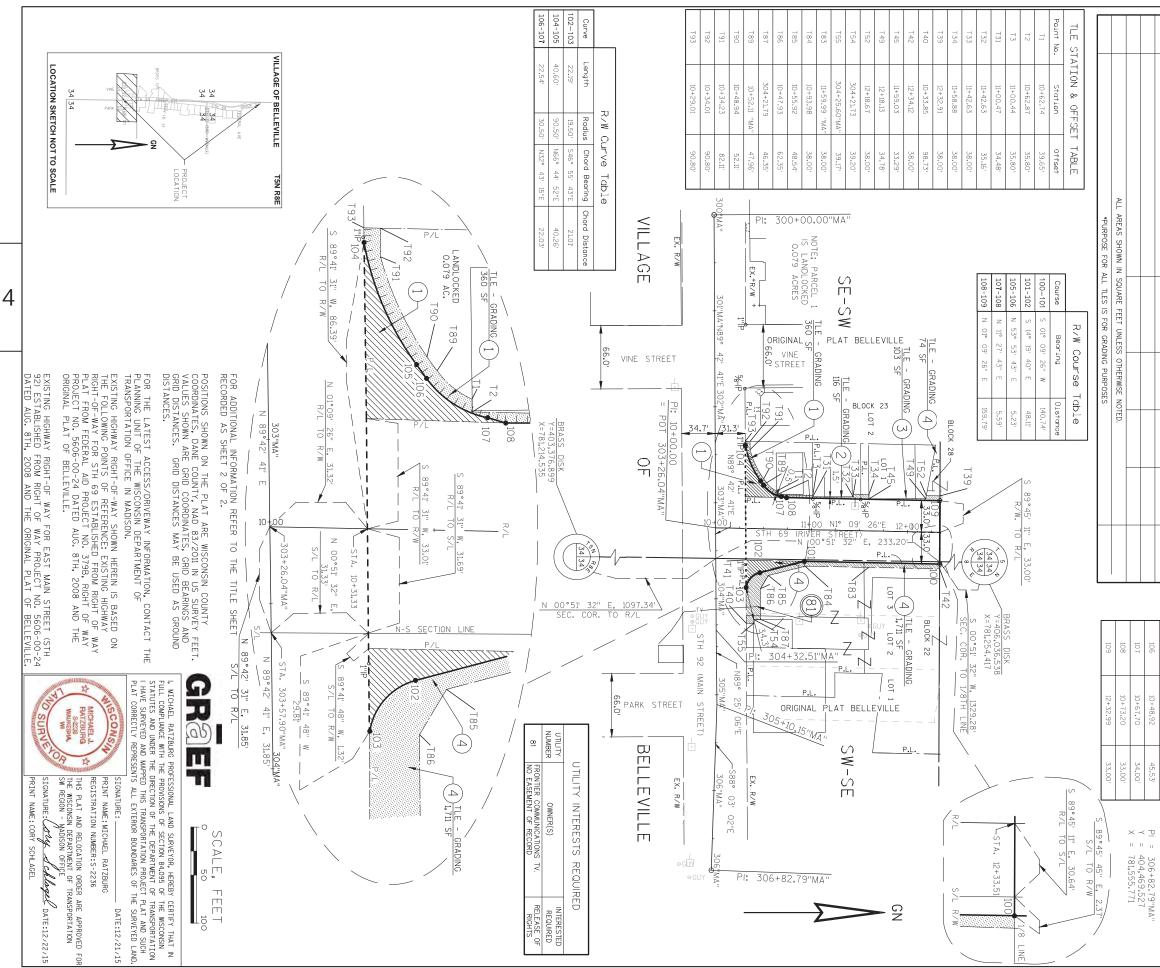
RIGHT OF WAY PROJECT NO. 5606-00-24 DATED AUG. 8TH, 2008 AND THE ORIGINAL PLAT OF BELLEVILLE.

EXISTING HIGHWAY RIGHT OF WAY FOR SERV-US STREET ESTABLISHED FROM PREVIOUS PROJECT AND SURVEYS: RIGHT OF WAY PLAT FROM FEDERAL AID PROJECT NO. 379B AND THE ORIGINAL PLAT OF BELLEVILLE, PLAT OF SURVEY 93-0764.

EXISTING HIGHWAY RIGHT OF WAY FOR CTH D ESTABLISHED FROM PREVIOUS

NO. 379B, RIGHT OF WAY PROJECT NO. 5606-00-24 DATED AUG. 8TH, 2008, CSM NO. 8526 AND BLAZER SUBDIVISION.

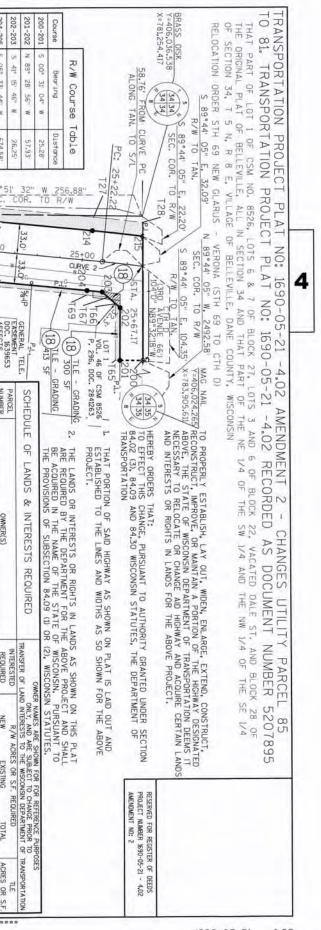
> RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 1690-05-21 - 4.01 SHEET 2 OF 2 AMENDMENT NO:



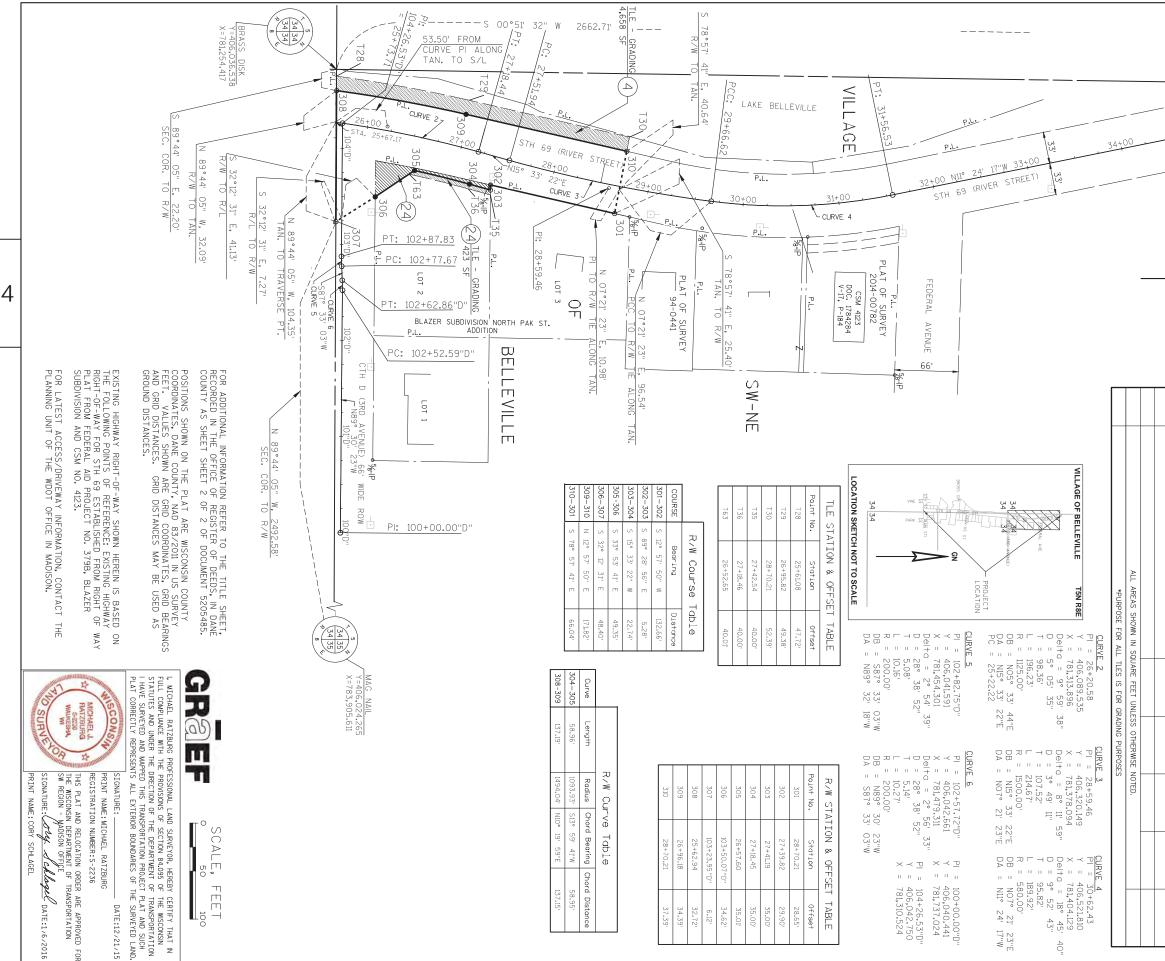
PLOT BY : CLARK, CLYDE J PLOT NAME : PLOT SCALE : **********

									-
Delta = 02° 31' 52" RT.	49.69'	10+45.76	105						
	31.29'	302+40.45"MA"	104						
Y = 404,472.046	31.34'	303+88.34"MA"	103	1785	554	.4	FEE & TLE 554	VILLAGE OF BELLEVILLE	4
	45.84	10+46.94	102	103			TLE	EUGENE A. SHORT & JANIE L. FROEHLICH	2
Delta = 00° 17' 34" RT.	33.00	10+93,30	101	116			TLE	JOHN W. FISCHL	2
Y = 404,474.616 X = 781.305.601	33,00'	12+34.04	100	360	631	31	FEE, ACCESS RIGHTS, 631	KIMBERLY A. BUDENZ	1
PI = 304+32.51"MA"	Offset	Station	Point No.	ACRES OR S.F.	TOTAL	NEW EXISTING		R OWNER(S)	NUMBER
X = 781,199.136	TABLE	R/W STATION & OFFSET TABLE	R/W STAT	TLE	REQUIRED	R/W ACRES OR S.F. REQUIRED	INTERESTED	1	PARCEL
POT = 303+26.04"MA" Υ = 404,474.076				Y, AND ARE THE WISCONSIN	E PURPOSES ONL	OWN FOR FOR REFERENC	OWNER NAMES ARE SHOWN FOR FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN	SCHEDULE OF LANDS & INTERESTS REQUIRED	SCHE
Y = 404,472.433 X = 780,873.095	JUIRED	D SHALL BE ACI	ABOVE PROJECT AND N STATUTES.	/ENT FOR THE (2), WISCONSIN	THE DEPARTN 84.09 (1) OR	ARE REQUIRED BY NS OF SUBSECTION	SHOWN ON THIS PLAT NNT TO THE PROVISIC	THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN. PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.	2. TI
PI = 300+00.00"MA")VE PROJECT.	SHOWN FOR THE ABC	VIDTHS AS SO	LINES AND W	STABLISHED TO THE	IS LAID OUT AND E	THAT PORTION OF SAID HIGHWAY AS SHOWN ON PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.	1. TI
	TATION	VI OF INANSFOR	JIES, THE DEFARIMEN	SCONSIN STATE	AIND 04.JU WIS	4 EN.40 (17) 20.40	NIED UNDER SECTION	IO EFFEUI IMIS CMANNE, FURSUANI IO AURMONIII GRANNED UNDER SECTION 64.02 (3), 64.03 AND 64.00 MISCONSIN STATUTES, THE DEFARTMENT OF TRANSFORTATION	
SHEET 1 OF 2	TATION			CONCIN CTATI	ND 04 20 WIC	0 00 /Z/ 0 00 A		HEREBY ORDERS THAT:	HEREE
RESERVED FOR REGISTER OF DEEDS								RIGHTS IN LANDS FOR THE ABOVE PROJECT.	RIGHT
PAGES: 2 THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE COUNTY REGISTER OF DEEDS	E, THE	ESIGNATED ABOV	4 OF THE HIGHWAY DE ACQUIRE CERTAIN LANI	IGHWAY AND A	VE, OR MAINT. CHANGE AID H	ECONSTRUCT, IMPRO TO RELOCATE OR	TEND, CONSTRUCT, R DEEMS IT NECESSARY	TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE. THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE AID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR	TO PF STATE
REC. FEE: 25.00									
TRANS. FEE: EXEMPT #:					CTH D)	(STH 69 TO	JS - VERONA	RELOCATION ORDER STH 69 NEW GLARUS - VERONA (STH 69 TO CTH D)	REL(
12/23/2015 11:08 AM			NISIN	T, WISCON		LLEVILLE, DA	VILLAGE OF BE	IN SECTION 34, I S N, R 8 E,	ALL
REGISTER OF DEEDS	VILLE.	OF BELLE	ORIGINAL PLAT	3 IN THE	BLOCK 28	DCK 22 AND	LOT 3 OF BL	THAT PART OF LOT 1 OF BLOCK 23, LOT 3 OF BLOCK 22 AND BLOCK 28 IN THE ORIGINAL PLAT OF BELLEVILLE.	THA
KRISTI CHLEBOWSKI DANE COUNTY					- 4.01	90-05-21	LAT NO: 16	TRANSPORTATION PROJECT PLAT NO: 1690-05-21 - 4.01	TR/

N 89*45 II' W, 33.00 N 89*45 II' W, 33.00 N 89*45 II' W, 33.00 S/L TO R/W S/L TO R/W	GRADING 4 15 16 14+00 NI* 09 26*E 15 0	B.43 (15+2)	$\frac{11E - GRADING}{10.612} \frac{19}{9}$	Y = 200+62.22"SE" Y = 405.266.639 Y = 405.266.639 Y = 405.28" 03" RT. NE-SW 30T: 201+92.60"SE" 18+09.56	to = 9° 59 38" = 5° 05' 35" = 98.36 = 98.36 = 1125.00 = 1125.00 = 1125.00 = 1125.01 = ND5° 33' 44"E = ND5° 33' 22"E = NJ5° 33' 22"E = 119 = 119 = 119 = 119 = 119 = 119 = 119	= 1005° 33' 44"E = 266,089,535 = 406,089,535	WE 1 = 15+51.53 = 781,510.25,49 = 781,210.27,3 = 781,210.27,3 = 781,210.27,3 = 781,210.27,3 = 784,210.27,3 = 784,210.27,3 = 784,210.27,3 = 784,210.27,3 = 784,210.27,3 = 784,210.27,3 = 784,210.27,3 = 784,210.27,3 = 784,220,27,3 = 784,220,27,3 = 784,220,27,3 = 784,220,27,3 = 784,20,20,00 = 700,000 = 700,000		202-203 S 41° 15° 46° W 26.25' 204-205 S 0.5° 33° 44° W 674.58' 010 205-206 S 14° 31° 34° E 53.69' 010 205-206 S 14° 31° 34° E 53.69' 010 205-207 N 83° 09' 21° W 18.45' T 26' 207-210 S 05° 33' 44° W 230.95' T 26' 210-211 S 01° 02° 28° W 316.23' T 25'
4 660 SF 1100K 22 142 LOT 6 LOT 5 LOT 4 RIGINAL N 00°51 33" E, 1330.66 SEC. COR. TO 1/8 LINE BRASS DISK Y=403.376.899 X=781.214.535	ATT 2 7 . D. TRIDO	8 1 TI (15 - 15	GRADNG	$\begin{array}{c} \begin{array}{c} STL\\ ST\\ ST\\ ST\\ ST\\ ST\\ ST\\ ST\\ ST\\ ST\\ ST$	20+00 NO5° 33' 44"E 21400	1.0	22+00 ** * * ** ** ** ** ** ** ** ** ** ** **	23+00 P.L. P.L. P.L. P.L. P.L.	P.L. 24+00 P.L. 24+00 P.L. PAREEL IB PAREEL IB P
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGH PIAT FROM FEDERAL AND PROJECT NO. 379B, CSM AND THE ORIGINAL PLAT OF BELLEVILLE.	202 103+81.91°0 31.35° 203 25+25.20 33.09° 204 25+08.32 33.00° 205 18+33.74 33.00° 206 201+40.34*SE° 25.01° 207 17+83.73 33.00° 210 15+51.52 32.51° 211 12+34.04 33.00° 212 12+32.99 33.00° 213 15+51.52 33.54° 214 25+08.32 33.00° 215 25+62.94 32.72°	R/W STATION & OFFSET TABLE Pount No. Station 200 103+23.95°0° 0Hset 200 103+23.95°0° 31.40°	STREET STREET SURVEY 93-0764 93-0764 93-0764 93-0764 94-04 9	SE / (10,385 sr 31' 34"W, 26.85 <u>31' 34"W, 26.85'</u> <u>31' 34"W, 26.84'</u> <u>10 R/W</u>	1 5 1 6	21 ROBERT M. & CYNTHIA S. TWOREK	JOSEPH F. DONLIN MILLARD S. & VALARIA D. MICHAEL W. & KELI C. ME LARRY A. & DAWN C. HA	JOHN P.	NUMBER 4 VILLAGE OF BELLEVILLE 7 MARK A. SCHWDEGLER 8 ANN MARIE L. CAIN 9 LYNDA D. BOYCE
ACT THE REET AND AND THE REAL AND	A TLE - GRADING A TLE - GRADING A TLE - GRADING BI UNITE BI BI BI BI BI BI BI BI BI BI		T10 16+08.45 43.00° T11 16+07.22 133.00° T12 16+47.23 133.00° T13 16+44.08 43.00° T14 17+24.42 43.00° T15 17+24.42 43.00° T16 17+24.42 43.00° T15 17+24.42 48.00° T16 19+26.14 48.00° T17 19+48.54 41.47° T18 19+82.99 42.55° T19 20+45.5 K 33.88° T20 20+45.5 K 33.68°	STATION & OFFSET 1 No. Station 12:47,68 13:487,85 13:487,85 13:492,27 14:492,27	PERICE OF REGISTER OF DEEDS, DANE POSITIONS SHOWN ON THE PLAT ARE W COUNTY, NAD 83/2011 N US SURVEY F COUNTY, NAD 83/2	TLE TLE TLE SHOWN IN SOUARE FEET UNLESS OTHERWISE PURPOSE FOR ALL TLES IS FOR GRADING	TLE TLE FEE, TLE 149 TLE	TLE TLE TLE	INTERESTED NEW REQUIRED NEW TLE TLE TLE TLE
E PROVISIONS OF SECTION 84,035 OF THE WSCONSIN E DEPORTING OF THE OFFARTMENT OF TRANSPORTATION PEPD THIS TRANSPORTATION OF TRANSPORTATION STOMATURE: TRANSPORTATION CONDARES OF THE SURVEYED LAND STOMATURE: TRANSPORTATION ONDER ARE APPROVED FOR THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE MSCONSIN OFFARTMENT OF TRANSPORTATION SURVEYON - MADISON OFFICE SIGNATURE:	UTILITY INTERESTS REQUIRED	175 201+48,78 spin 30,03* 176 17+3,73 38,00* 177 17+3,73 38,00* 177 17+35,85 38,02* 1778 16+66,36 38,00* 179 16+66,36 38,00* 179 16+66,36 38,00* 178 15+51,52 37,51* 182 15+66,01 38,00* 1793 201+52,78*SE* 25,03* 1794 17+77,73 33,00*	150 20+21.89 33.00' 151 22+16.54 33.00' 153 16×43.34 51.22' 165 103+23.98''D' 36.34' 166 103+86.22''D' 38.00' 167 25+22.57 38.15' 169 25+68.32 38.00' 171 20+21.81 38.00' 172 18+33.63 38.00' 174 20+21.81 29.90''	TLE STATION & OFFSET TABLE Pount No. Station Offset T42 12+34.12 38.00° T43 13+66.01 33.00° T44 15+08.89 33.00° T45 16+06.36 33.00° T46 16+06.36 33.00° T48 16+37.48 133.00°	POSTIONS SHOWN ON THE PLAT ARE WISCONSIN COUNTY AS SHEET 2 OF DOCUMENT 5205486 POSTIONS SHOWN ON THE PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83/2011 N US SUPVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. T74 203-204 Length Radius Chord Bearing Chord Distance 203-204 Length Radius Chord Bearing Chord Distance 203-204 Length Radius Chord Soft ST ST M 16.80 203-204 16.80 1428.04 Soft ST ST M 16.80	MSE NOTED.	660 491 149 713 10,612	385 314 314	EXISTING TOTAL ACRES OR S.F. 6602 390 84 84 249



1690-05-21 4.02



	4				-	
TRANSPORTATION PROJECT PLAT NO: 1690-05-21 - 4.03 That part of lot 2 of blazer subdivision north park street additi of the SW 1/4 of the NE 1/4 of section 34, t 5 N, R 8 E, village Wisconsin	T PLAT NO: 1 R SUBDIVISION NOR OF SECTION 34,	1690-0! RTH PARK T 5 N, F	TRANSPORTATION PROJECT PLAT NO: 1690-05-21 - 4.03 that part of lot 2 of blazer subdivision north park street addition. All in section 34 and that part of the SW 1/4 of the ne 1/4 of section 34, t 5 n, r 8 e, village of belleville, dane county, Wisconsin	34 AND THAT P <i>i</i> e county,		KRISTI CHLEBOWSKI DANE COUNTY REGISTER OF DEEDS DOCUMENT *5207896 01/07/2016 11:13 AM
RELOCATION ORDER STH 69 NEW GLARUS - VERONA (STH 69 TO CTH D)	GLARUS - VERONA	(STH 69	9 TO CTH D)		REC.	EXEMPT #: REC. FEE: 25.00
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLA STATE OF WISCONSIN DEPARTMENT OF TRANSPOR RIGHTS IN LANDS FOR THE ABOVE PROJECT.	RGE, EXTEND, CONSTRUCT, TATION DEEMS IT NECESSAI	RECONSTRUC RY TO RELOC	TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE AID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.	DESIGNATED ABOVE, THI ANDS AND INTERESTS OF		FAGES: 1 THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE COUNTY REGISTER OF DEEDS
HEREBY ORDERS THAT: TO EFFECT THIS CHANGE, PURSUANT TO AURHORI	TY GRANTED UNDER SECTIO	DN 84.02 (3),	HEREBY ORDERS THAT: TO EFFECT THIS CHANGE, PURSUANT TO AURHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30 WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION	MENT OF TRANSPORTATIC		RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 1690-05-21 - 4.03
1. THAT PORTION OF SAID HIGHWAY AS SHOWN (ON PLAT IS LAID OUT AND	ESTABLISHED	THAT PORTION OF SAID HIGHWAY AS SHOWN ON PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.	ABOVE PROJECT.		
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE IN THE NAME OF THE STATE OF WISCONSIN. PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN	DS AS SHOWN ON THIS PL. PURSUANT TO THE PROVIS	AT ARE REQL SIONS OF SUE	JIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT SSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.	ABOVE PROJECT AND SHALL BE ACQUIRED I STATUTES.	-	
5 BRASS DISK	GN	SCHI	SCHEDULE OF LANDS & INTERESTS REQUIRED	OWNER NAMES ARE SHOWN FO SUBJECT TO CHANGE PRIOF WISCONSIN DEF	OWNER NAMES ARE SHOWN FOR FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION	ONLY, AND ARE RESTS TO THE
(27) (27)	>	P ARCEL NUMBER	L OWNER(S)	INTERESTED R/W A REQUIRED NEW	R/W ACRES OR S.F. REQUIRED W EXISTING TOTAL	TLE ACRES OR S.F.
		24	HERBERT & LUANNE BLASER REVOCABLE TRUST	FEE, TLE 1,116	1,116	423
L (1		4	VILLAGE OF BELLEVILLE	TLE		4,658
5+0(Σ					****
355						****
						ALE :

ISION DATE

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

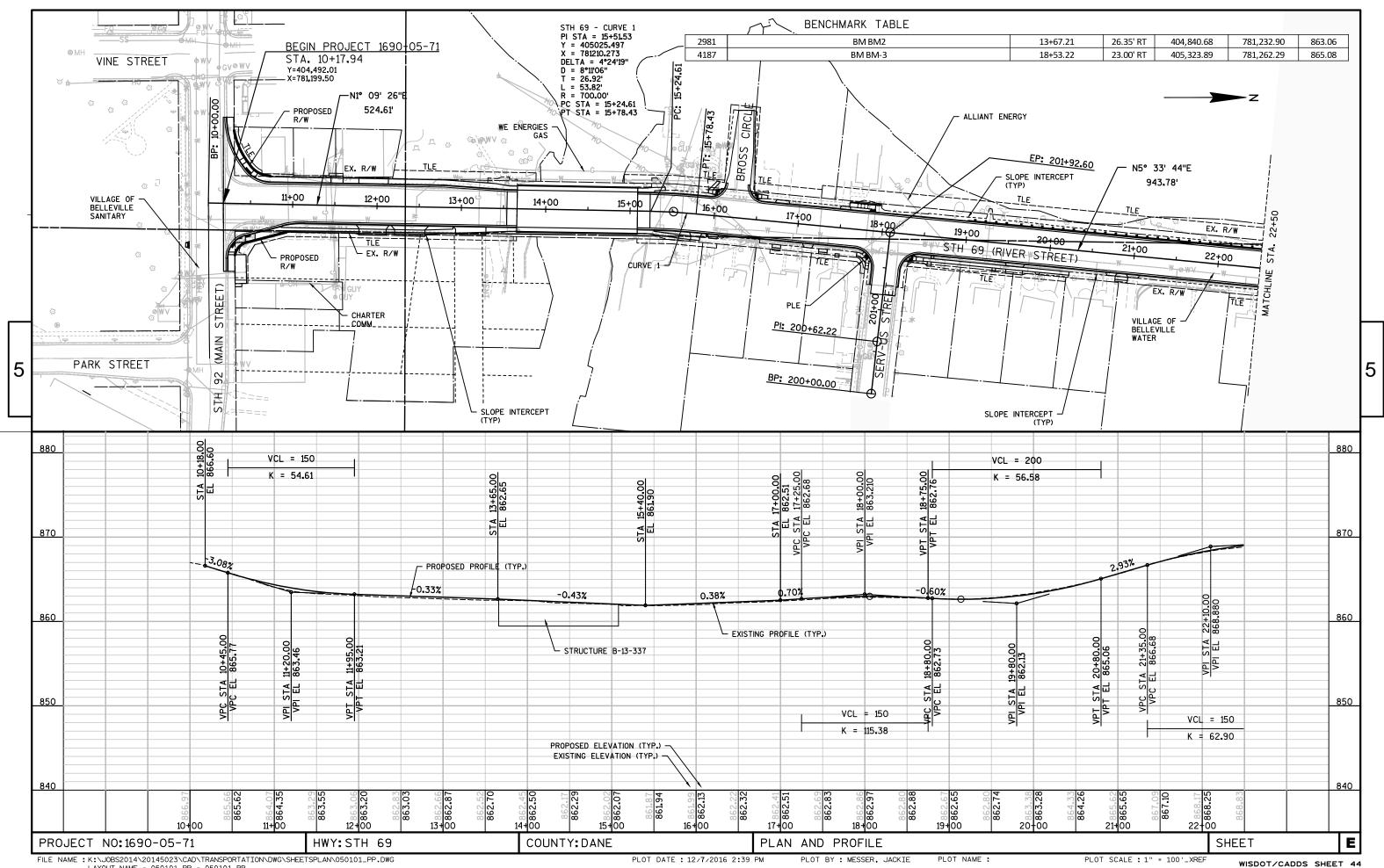
_

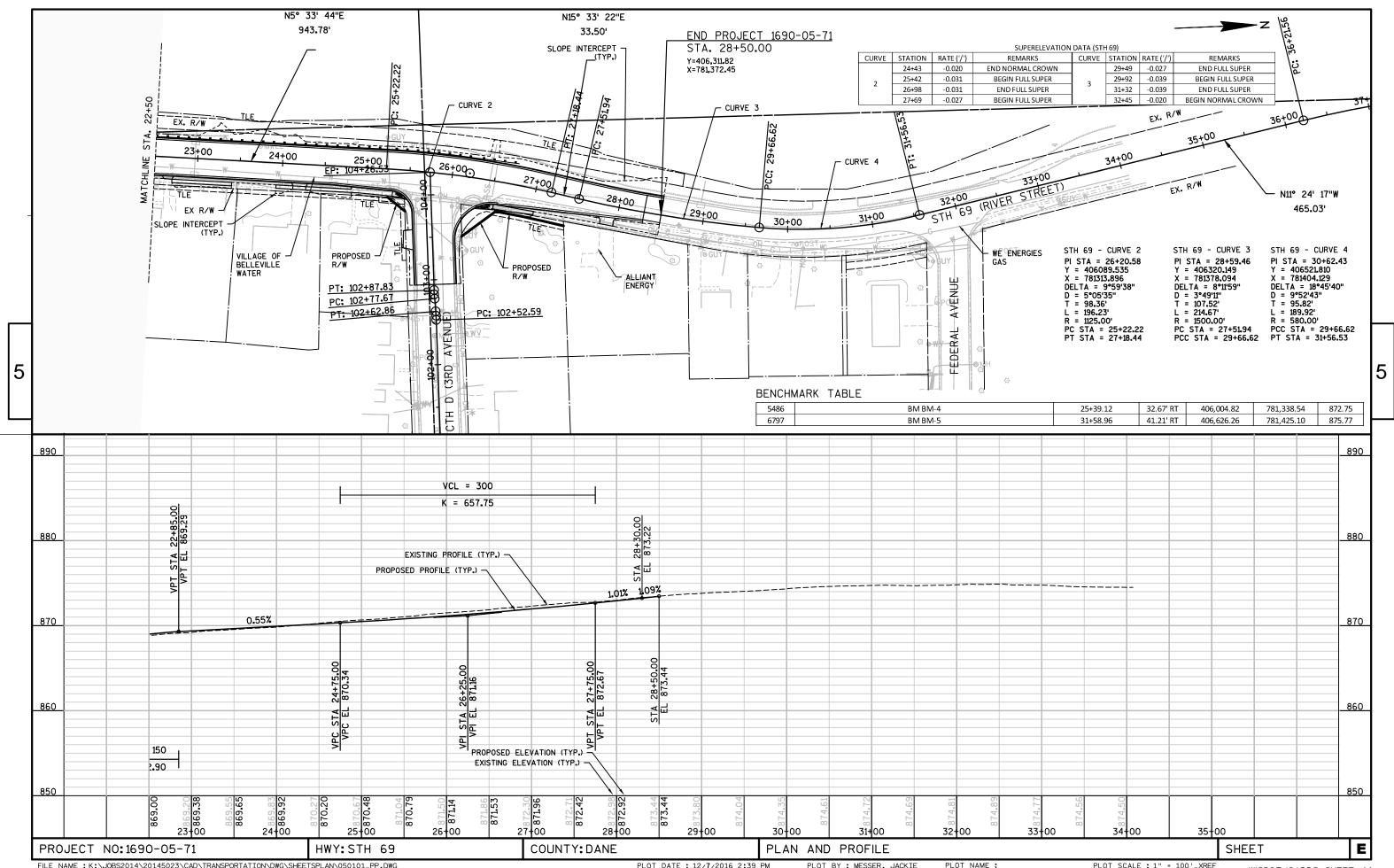
R∕W MÓN	UMENT POINT NUMBER AND	COORDINATE TABLE
POINT	Y	Х
100	404,707.401	781,236.855
101	404,566.690	781,234.013
102	404,520.075	781,245.919
103	404,505.726	781,261.268
10.4	404,504.933	781,113,385
105	404,520.828	781,150,377
106	404,523.907	781,154.599
107	404,542.445	781,166.510
108	404,547.923	781,167.620
109	404,707.685	781,170.847
200	406,035.804	781,413.057
201	406,010.520	781,412.828
202	406,011.044	781,354.897
203	405,991,313	781,337,586
204	405,974.608	781,335.860
205	405,303.205	781,270,474
206	405,248.538	781,306.366
207	405,251.826	781,278.977

R∕W MC	NUMENT POINT NUMBER ANI	D COORDINATE TABLE
POINT	Y	Х
208	405,250.518	781,278.827
209	405,241,231	781,264.439
210	405,023.562	781,243,241
211	404,707.401	781,236.855
212	404,707.685	781,170.847
213	405,027.433	781,177.305
214	405,981.005	781,270,171
215	406,036.435	781,276.616
301	406,326.151	781,404.576
302	406,196.871	781,374.816
303	406,196.824	781,380.094
304	406,174.919	781,373.996
305	406,117.717	781,359.740
306	406,076.754	781,387.260
307	406,035.804	781,413.057
308	406,036.435	781,276.616
309	406,171,356	781,301,216
310	406,338.795	781,339.761

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83/2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

TRANSPORTATION PROJECT PLAT NO: 1690-05-21 - 4.04 RELOCATION ORDER STH 69, VILLAGE OF BELLEVILLE, STH 92 TO CTH D

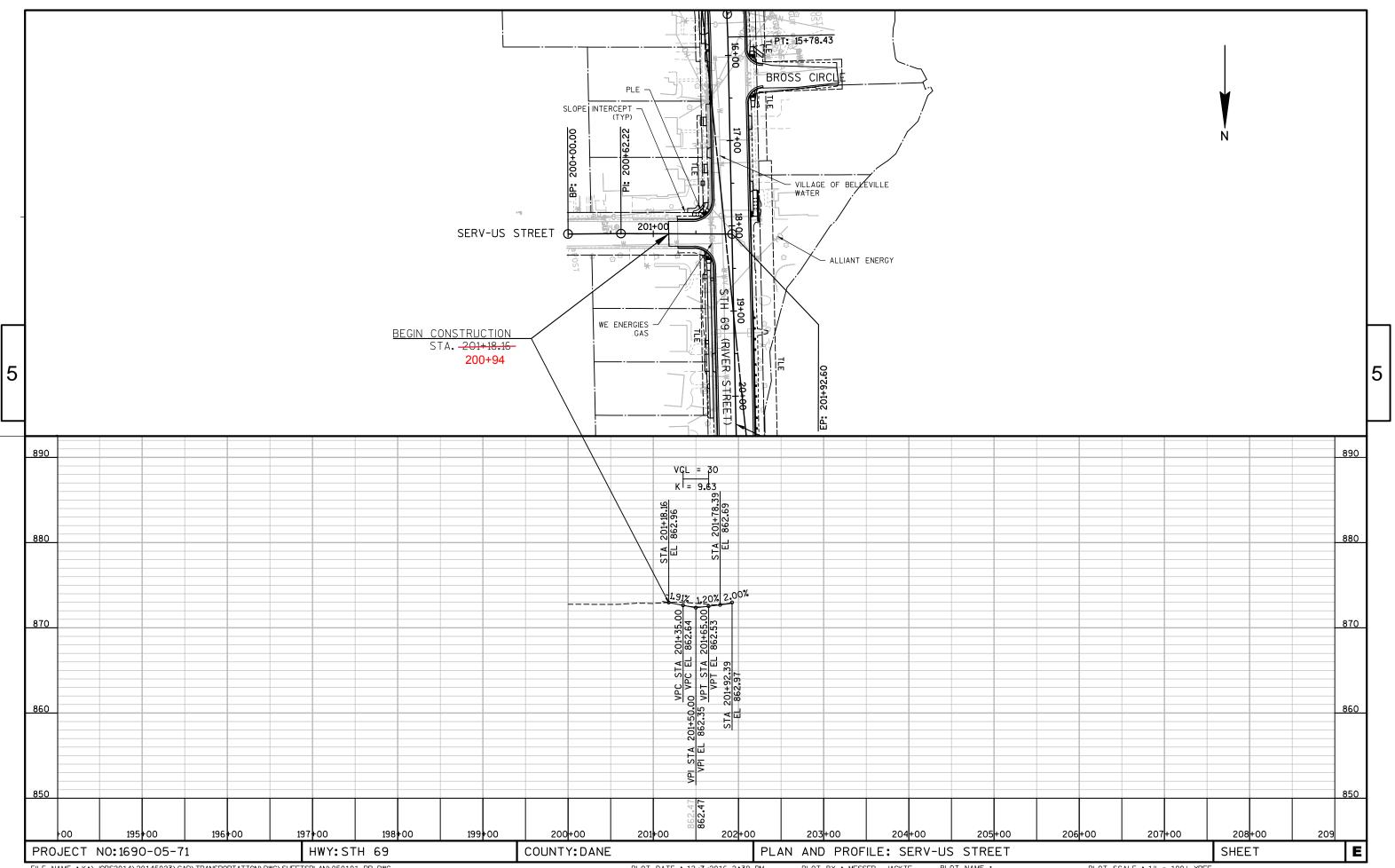




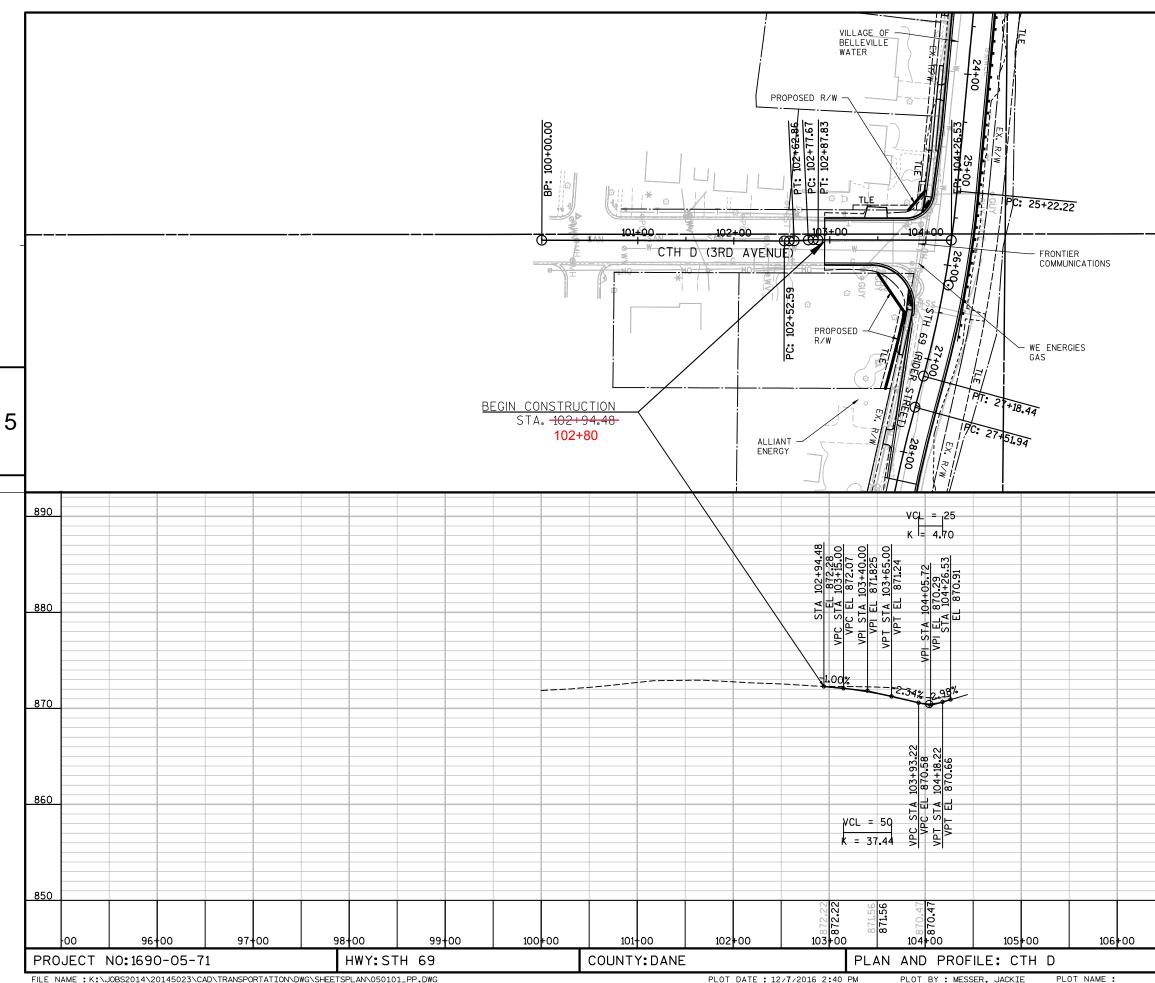
FILE NAME :K:\JOBS2014\20145023\CAD\TRANSPORTATION\DWG\SHEETSPLAN\050101_PP.DWG LAYOUT NAME - 050101_PP - 050102_PP

PLOT DATE : 12/7/2016 2:39 PM PLOT BY : MESSER, JACKIE

PLOT NAME :



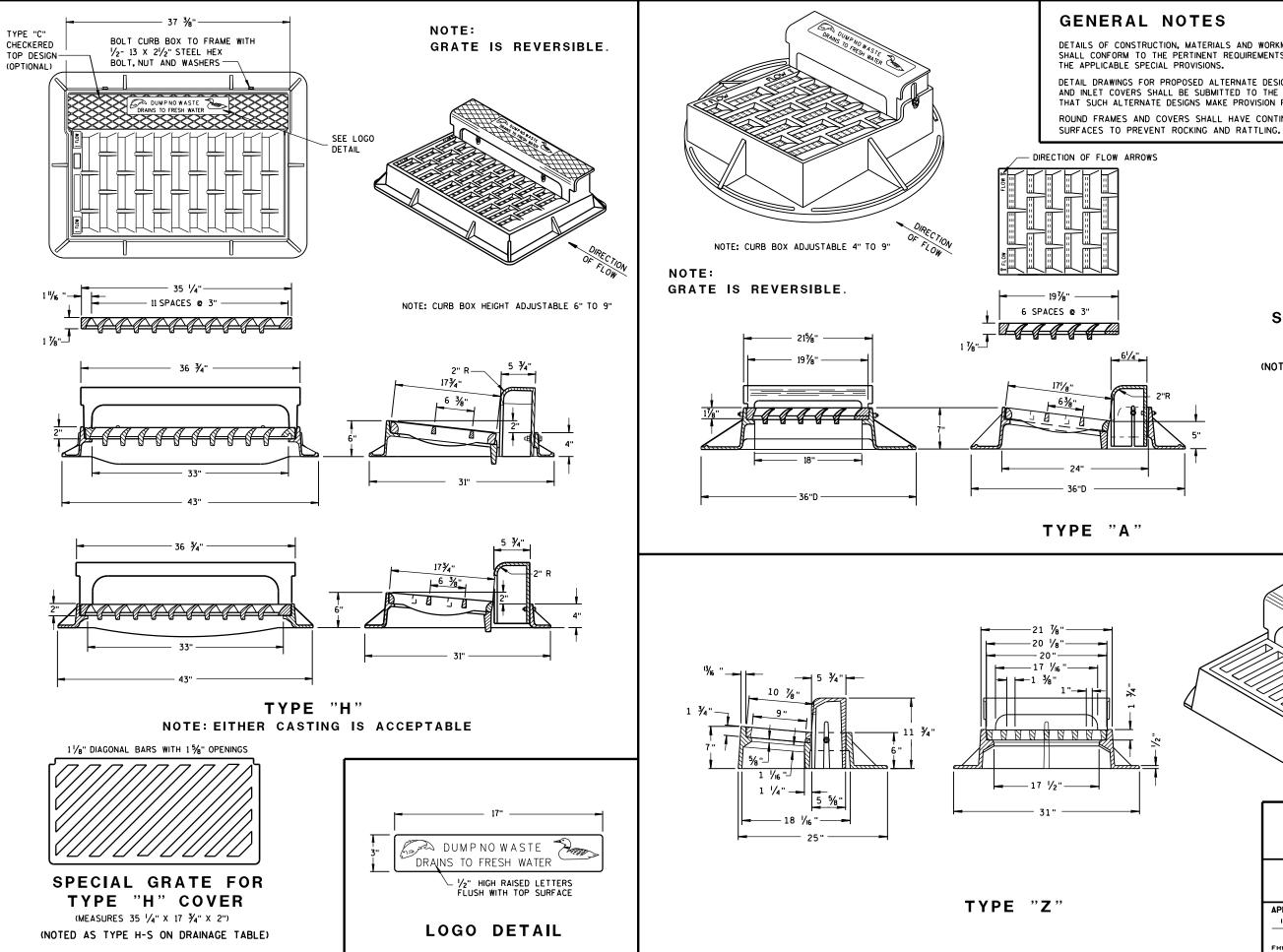
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Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-01	INLETS 3-FT AND 4-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D05-17A	CURB RAMPS TYPES 1 AND 1-A
08D05-17B	CURB RAMPS TYPES 2 AND 3
08D05-17C	CURB RAMPS TYPES 4A AND 4A1
08D05-17D	CURB RAMPS TYPE 4B AND 4B1
08D05-17E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
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 ÈNERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B47-02A	MI DWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02B	MI DWEST GUARDRAI L SYSTEM (MGS) TYPE 2 TERMI NAL
14B47-02C	MI DWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMI NAL
15C02-06A	BARRI CADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-13A	PAVEMENT MARKING SYMBOLS
15C07-13B	PAVEMENT MARKING WORDS
15C07-13C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C18-03	MEDIAN ISLAND MARKING
15C29-04A	BICYCLE LANE MARKING
15C29-04B	PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D21-04	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-03A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-03C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

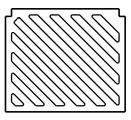


DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING

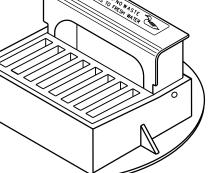
1" DIAGONAL BARS WITH 11/2" OPENINGS



SPECIAL GRATE FOR

TYPE "A" COVER (MEASURES 19 ⅔4" X 17" X 1 ⅔" (NOTED AS TYPE A-S ON DRAINAGE TABLE)

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INLET COVERS TYPE A, H, A-S, H-S & Z

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

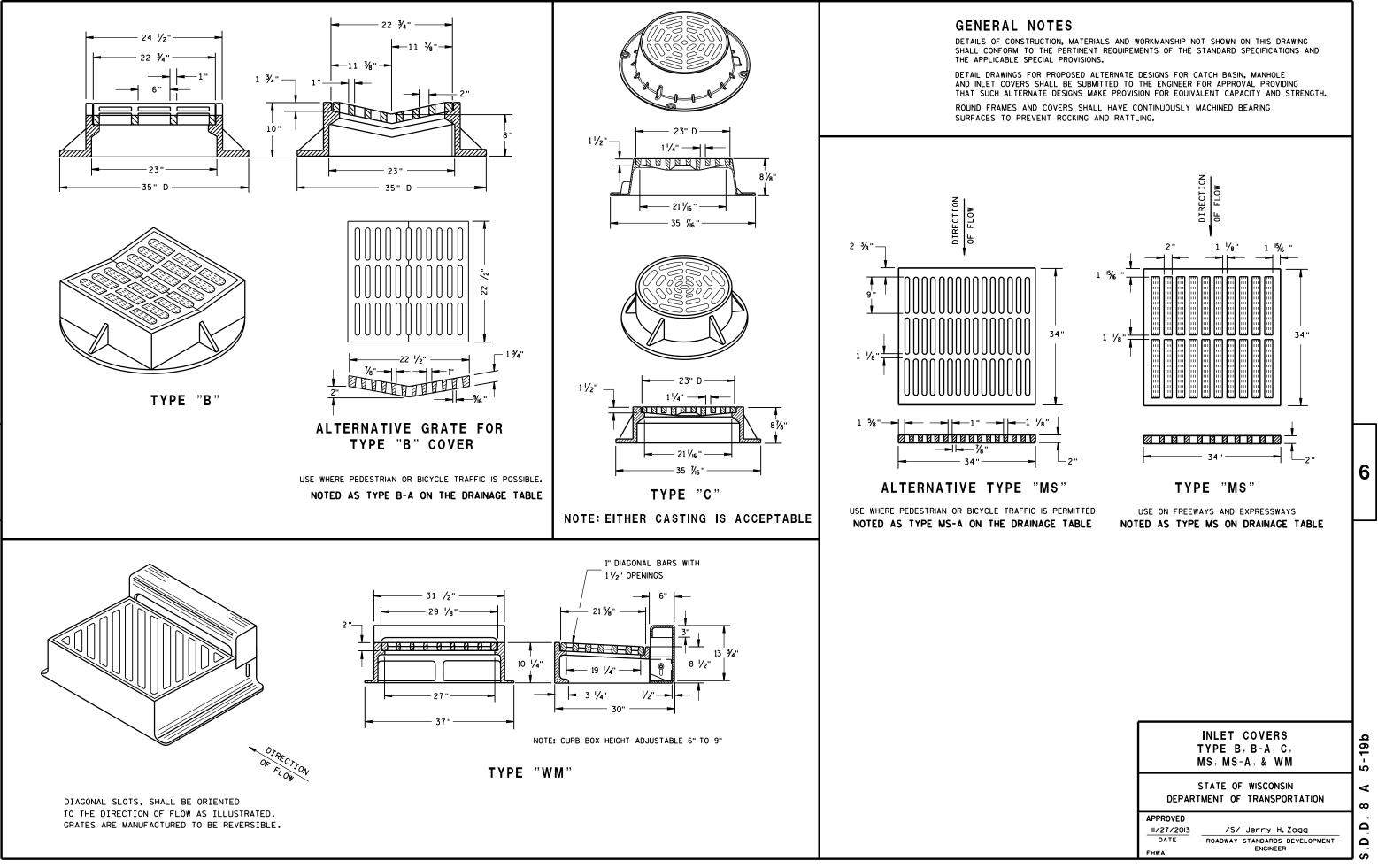
APPROVED 11-27-13 DATE

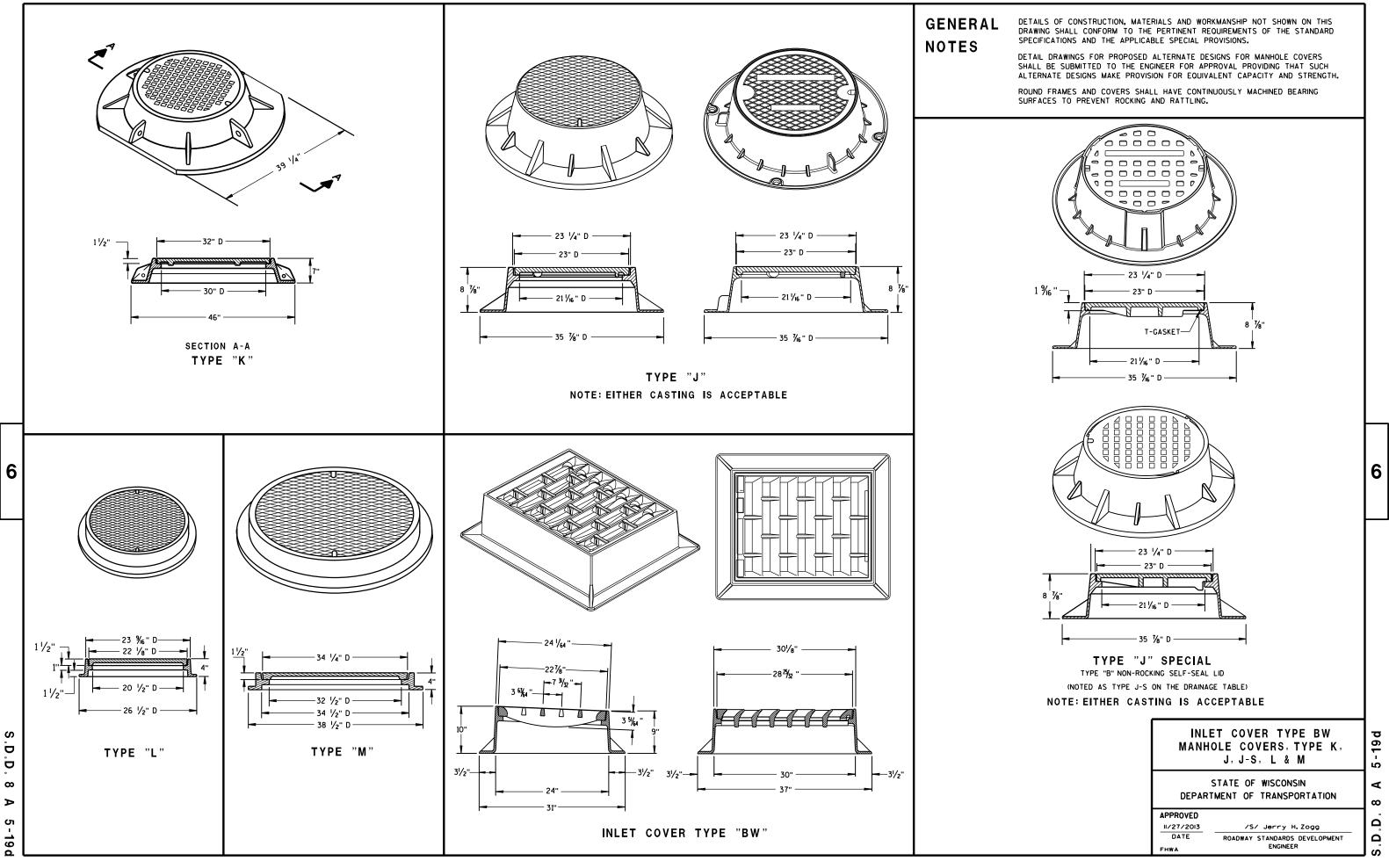
FHWA

/S/ Jerry H.Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

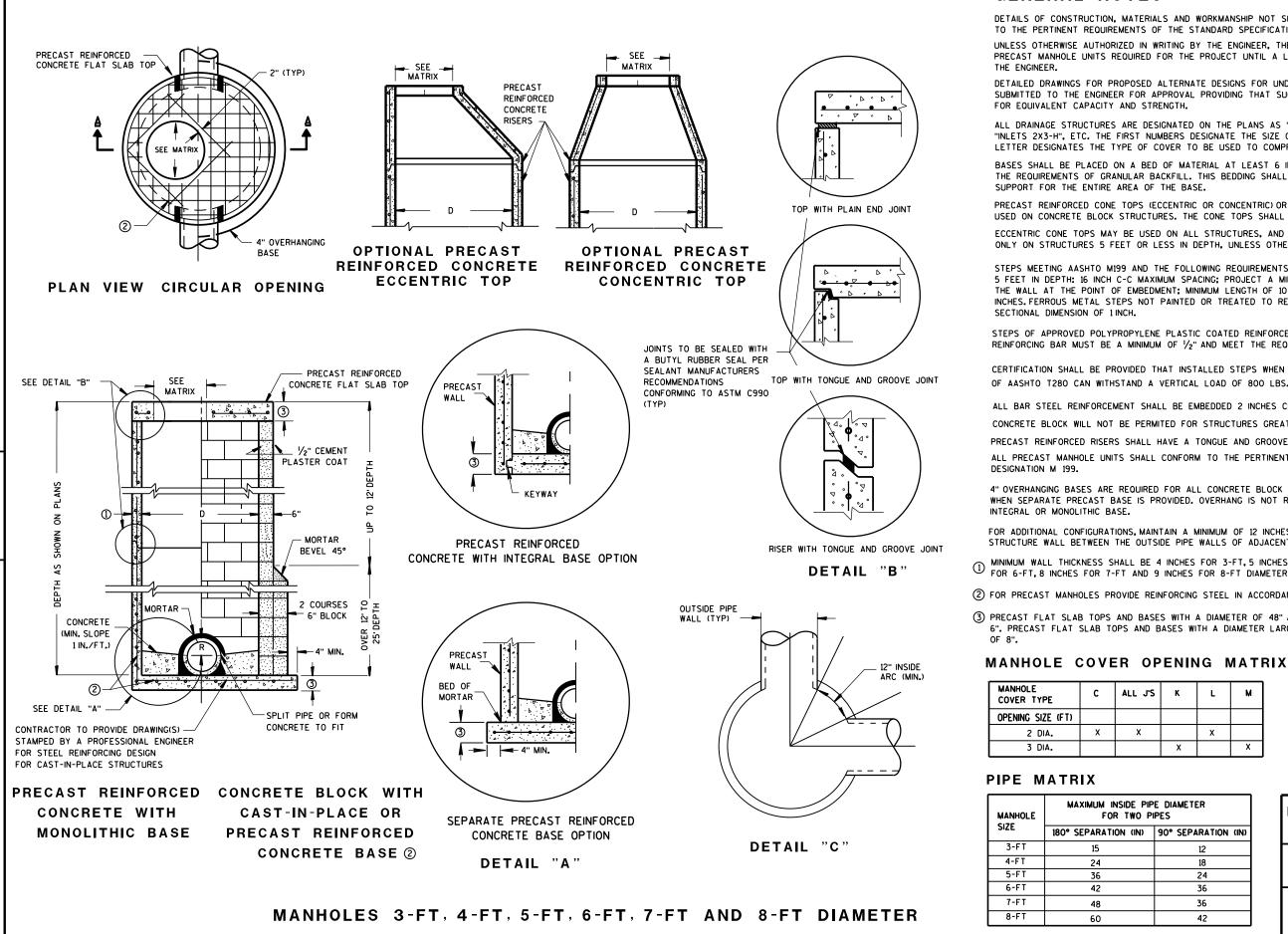
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GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER. THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L". "CATCH BASINS 4-B". "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING: PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT.5 INCHES FOR 4-FT.6 INCHES FOR 5-FT.7 INCHES 1 FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

(2) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS

J'S	к	L	м
		х	
	x		х

х

E DIAMETER PES
90° SEPARATION (IN)
12
18
24
36
36
42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 6/5/2012 DATE

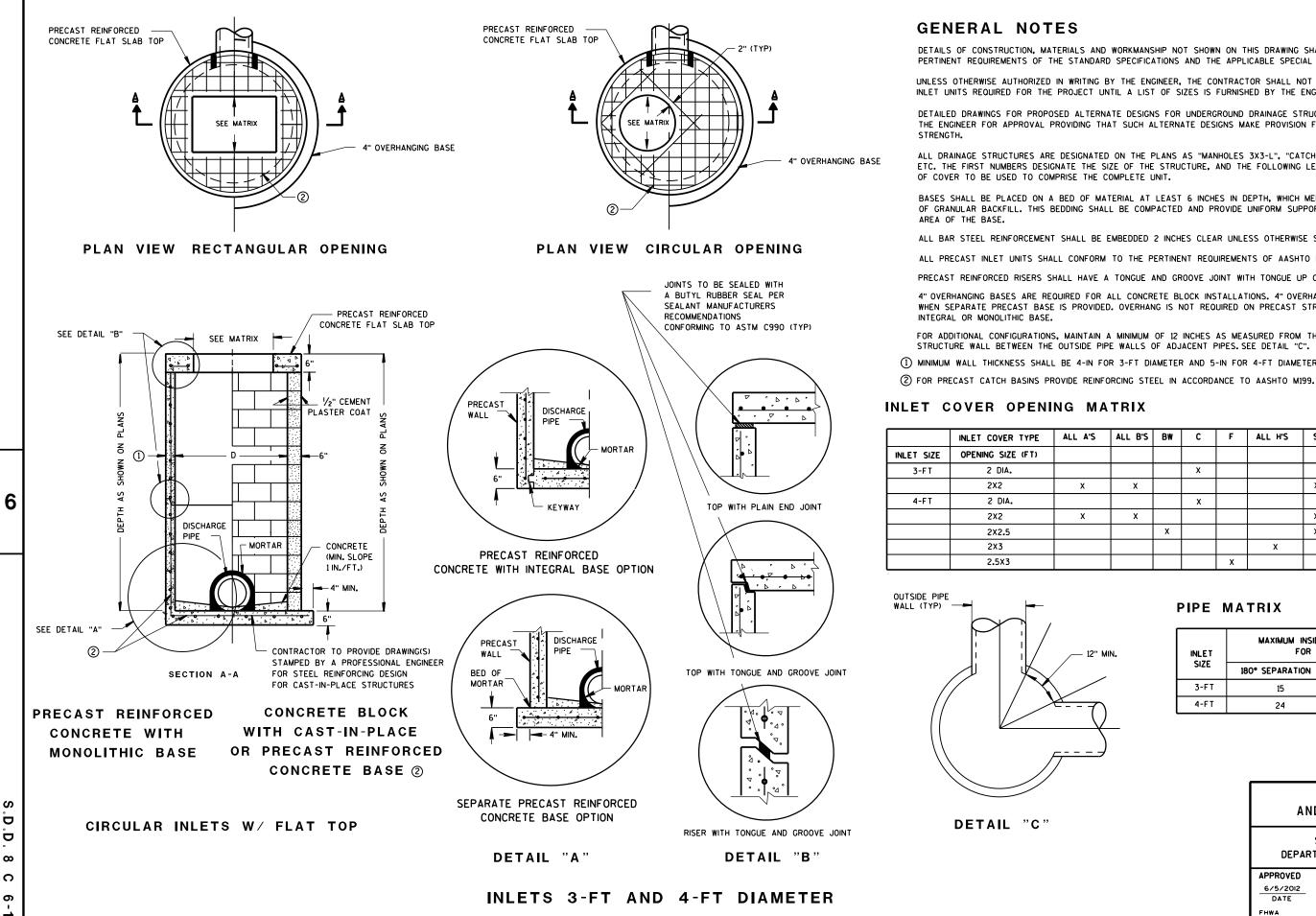
FHWA

/S/ Jerry H. Zooo ROADWAY STANDARDS DEVELOPMENT ENGINEER

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE

(1) MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

ALL B'S	B₩	С	F	ALL H'S	S	T	v	WM	Z
		x							x
x					x		x		
		x							х
x					x		x		
	х				x	x	x	x	
				x					
			x						

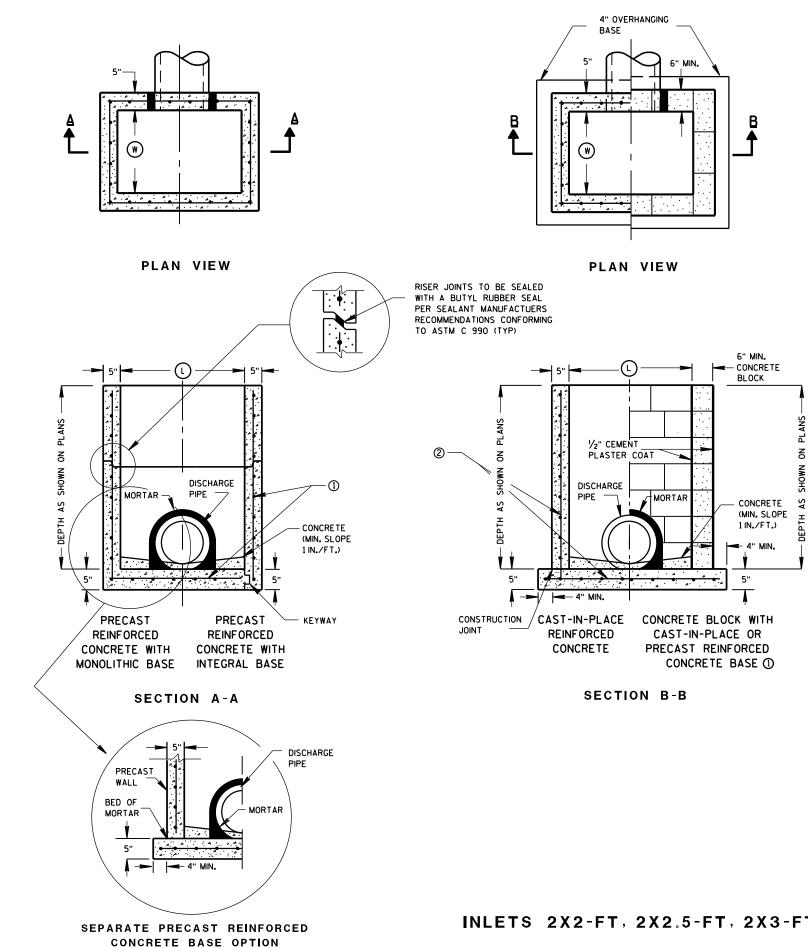
PIPE MATRIX

INLET	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES			
SIZE	180° SEPARATION (IN) 90° SEPARATION			
3-F T	15	12		
4-F T	24	18		

AN	INLETS 3-FT D 4-FT DIAMETER	
	STATE OF WISCONSIN TMENT OF TRANSPORTATION	
APPROVED		
6/5/2012	/S/ Jerry H.Zogg	
DATE	ROADWAY STANDARDS DEVELOPMEN	
FHWA	ENGINEER	

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GENERAL NOTES

ENGINEER.

EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL
	WIDTH (W) (FT)	LENGTH () (FT)		
2X2-FT	2	2	х	
2X2.5-FT	2	2.5		
2X3-FT	2	3		
2.5X3-FT	2.5	3		

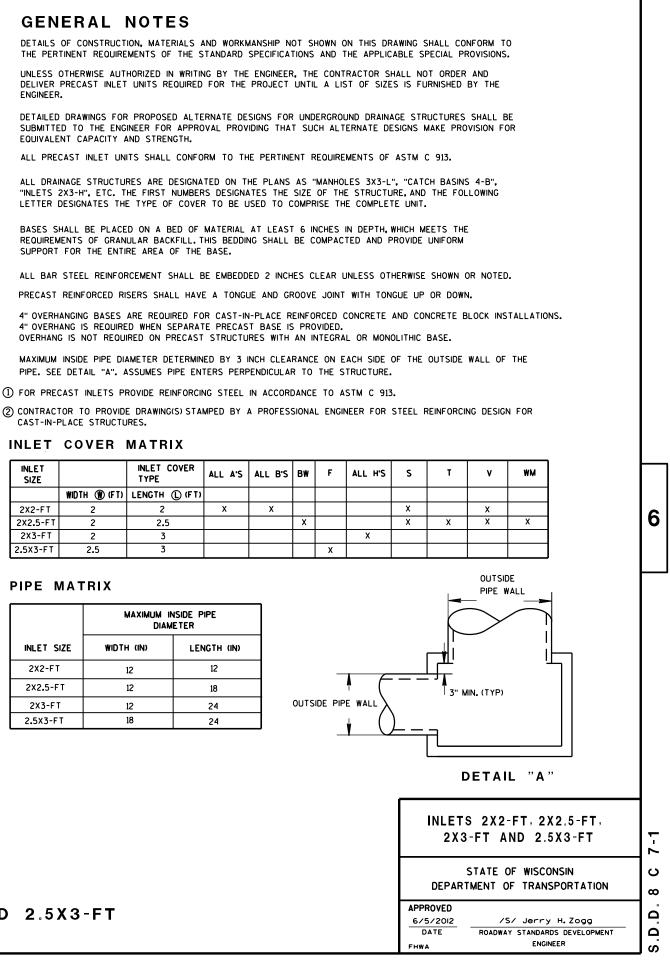
PIPE MATRIX

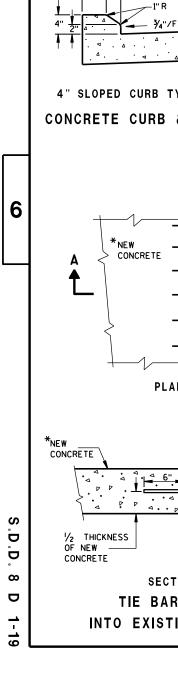
	MAXIMUM INSIDE PIPE DIAMETER			
INLET SIZE	WIDTH (IN)	LENGTH (IN)		
2X2-FT	12	12		
2X2.5-FT	12	18		
2X3-FT	12	24		
2 . 5X3-FT	18	24		

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INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT





2'-0"

- ¾" MAX. R

TYPES A & $D^{(1)}$

22

1/2"/FT. BATTER

" MIN. 2

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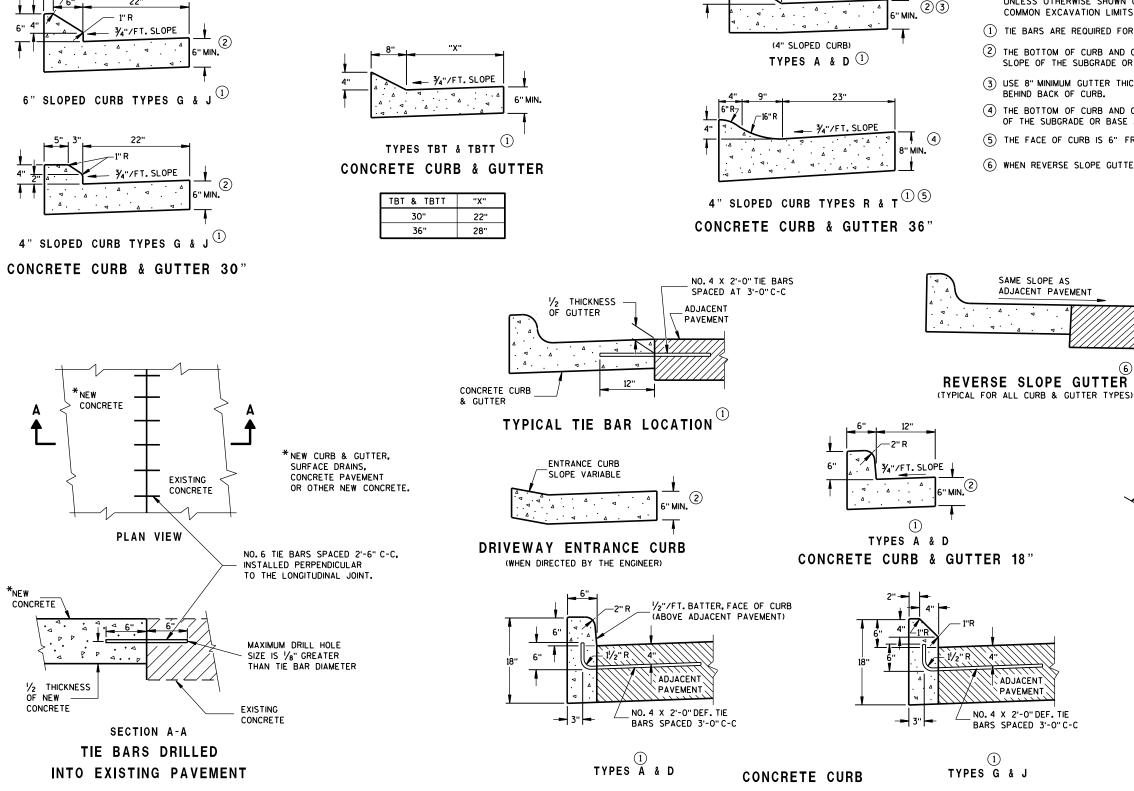
CURB FACE

¾"/FT. SLOPE

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~2" R

6"



GENERAL NOTES

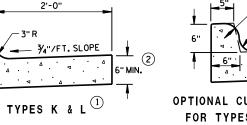
505.2.6.2 OF THE STANDARD SPECIFICATIONS.

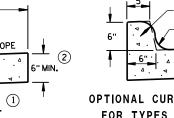
IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

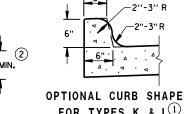
BEHIND BACK OF CURB.

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

FOR TYPES K & L⁽¹⁾ **CONCRETE CURB & GUTTER 30**"







1'-0''

1'-0"

5"

6"

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—10" R

2'-0"

¾"/FT.SLOPE

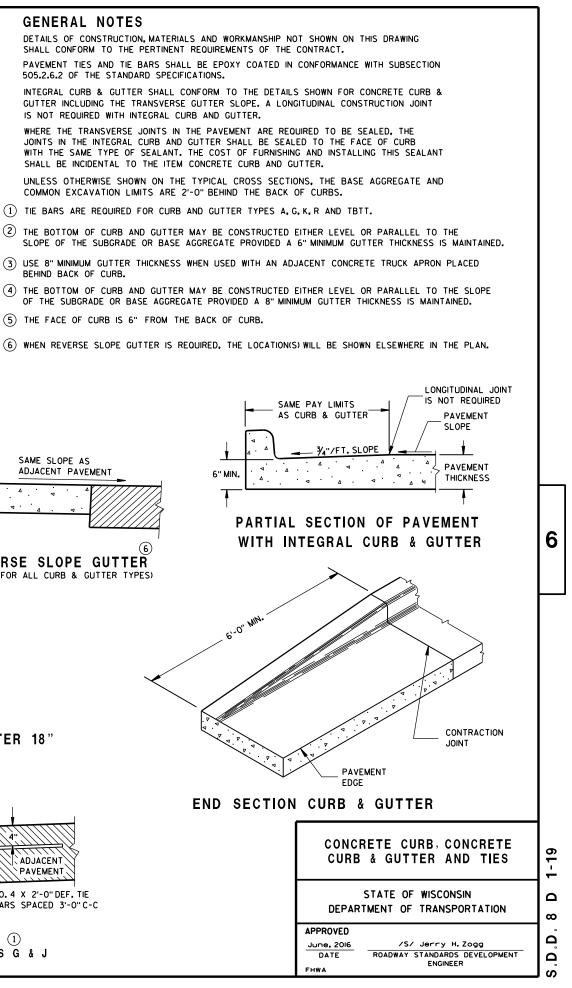
(6" SLOPED CURB)

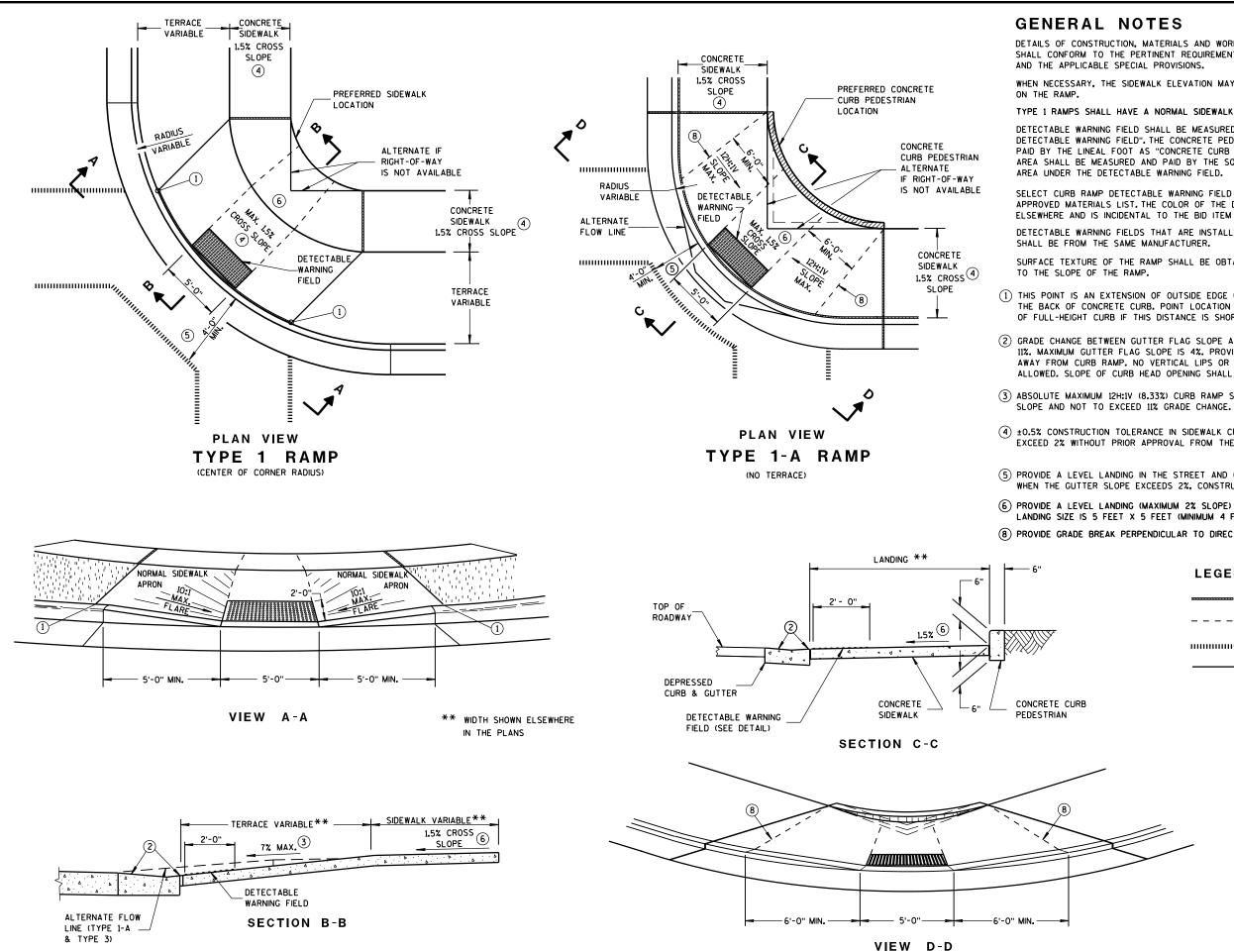
2"-3" R.

2'-0"

_ ¾"/FT.SLOPE

. 5" MIN. 2





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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE,

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

1/2" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

IIIIIIIIII PAVEMENT MARKING CROSSWALK (WHITE)

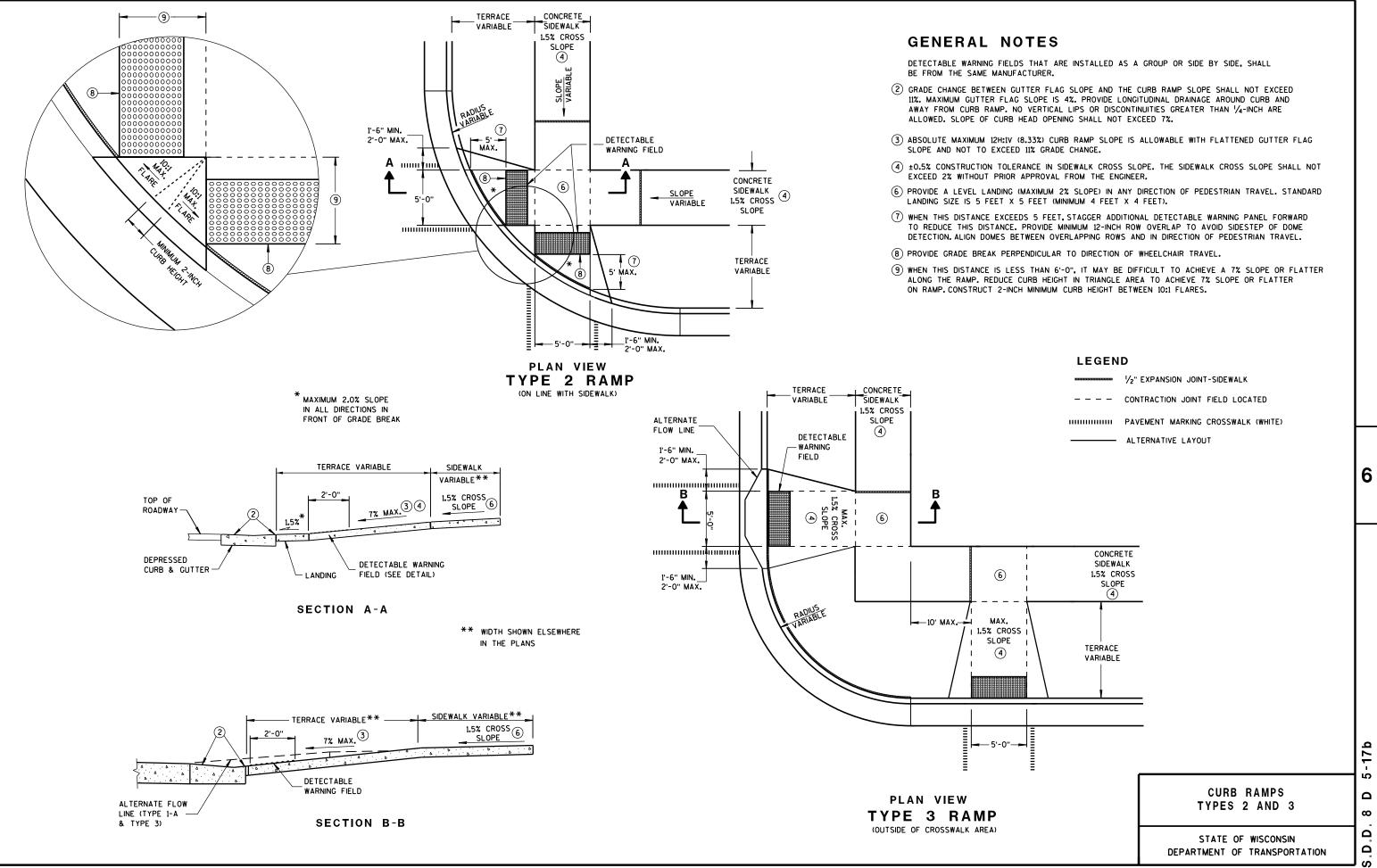
- ALTERNATIVE LAYOUT

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CURB RAMPS TYPES 1 AND 1-A

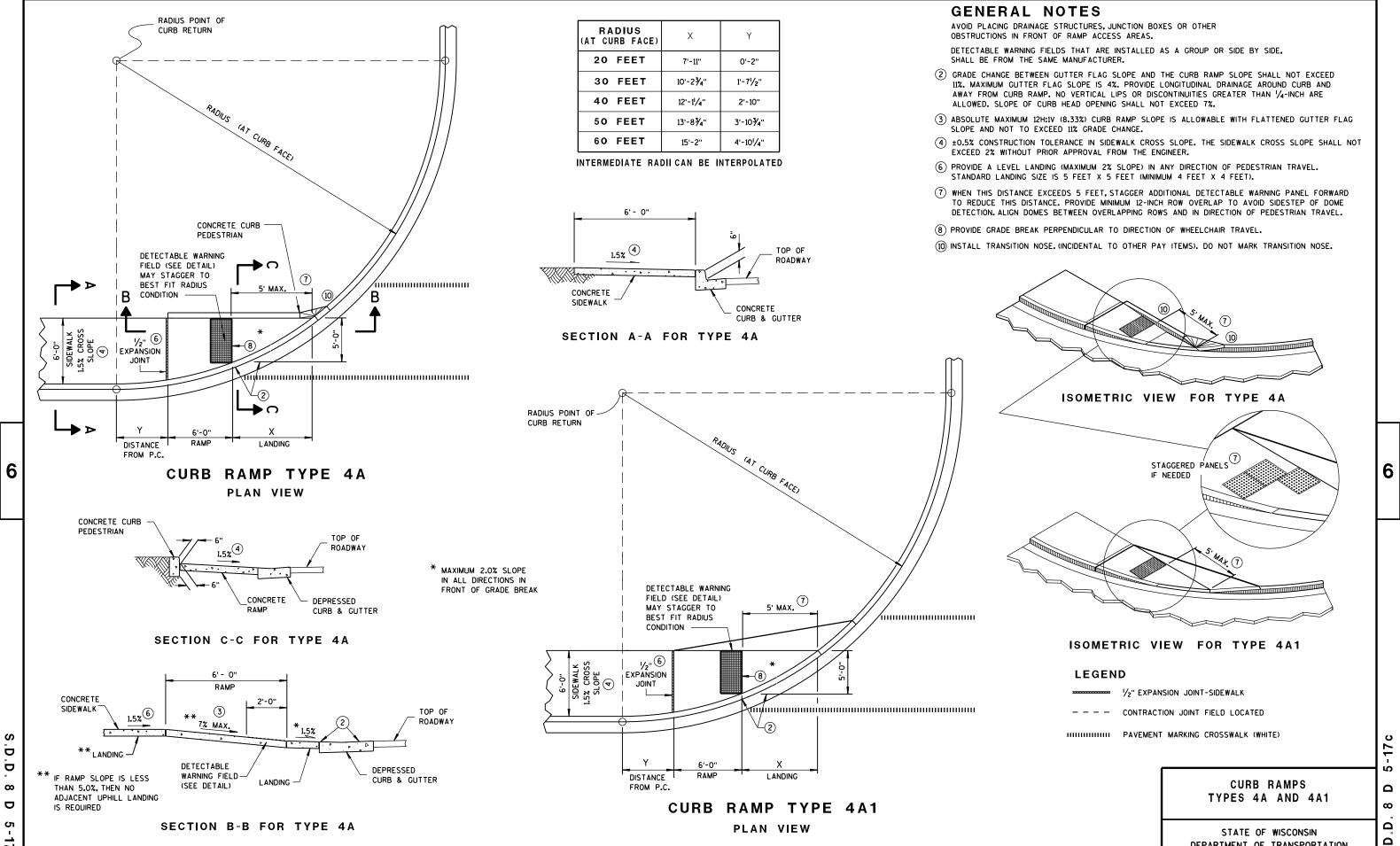
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



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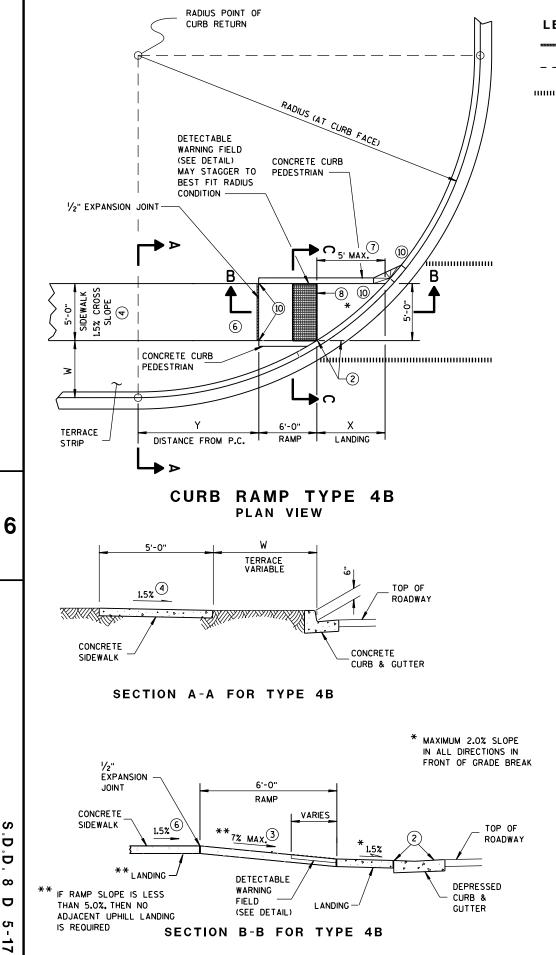




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DEPARTMENT OF TRANSPORTATION

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CONCRETE CURB

PEDESTRIAN

 V_2 " EXPANSION JOINT-SIDEWALK	
 CONTRACTION JOINT FIELD LOCATED	

5'-0" RAMP

VARIES

0 TO 6"

<u>1.5%</u>

SECTION C-C FOR TYPE 4B

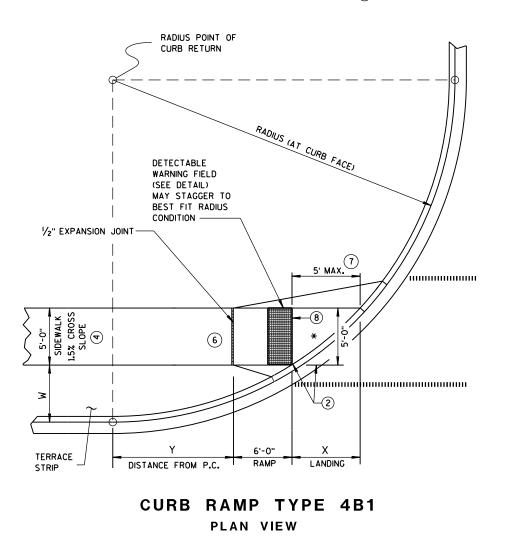
IIIIIIIII III PAVEMENT MARKING CROSSWALK (WHITE)

RADIUS	W =	3' - Ø"	W = 4' - Ø"		
(AT CURB FACE)	X	Y	Х	Y	
20 FEET	5'-9¾"	3'-6½"	4'-11 <mark>'/</mark> 2"	5'-1¾"	
30 FEET	7'-9'/4" 5'-10'/2"		6'-9 ^l /2"	7'-11 ¹ /4"	
40 FEET	9'-4"	7'-10"	8'-2¾"	10'-3"	
50 FEET	10'-8"	9'-6 ¹ /2"	9'-5 /2"	12'-31⁄4"	
60 FEET	11'-10'/4"	1I'-0 ∛ 4"	10'-6 ^l /2"	14'-1 [!] /4"	

GENERAL NOTES

- (2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.
- SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- (6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).
- (8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



TERRACE STRIP

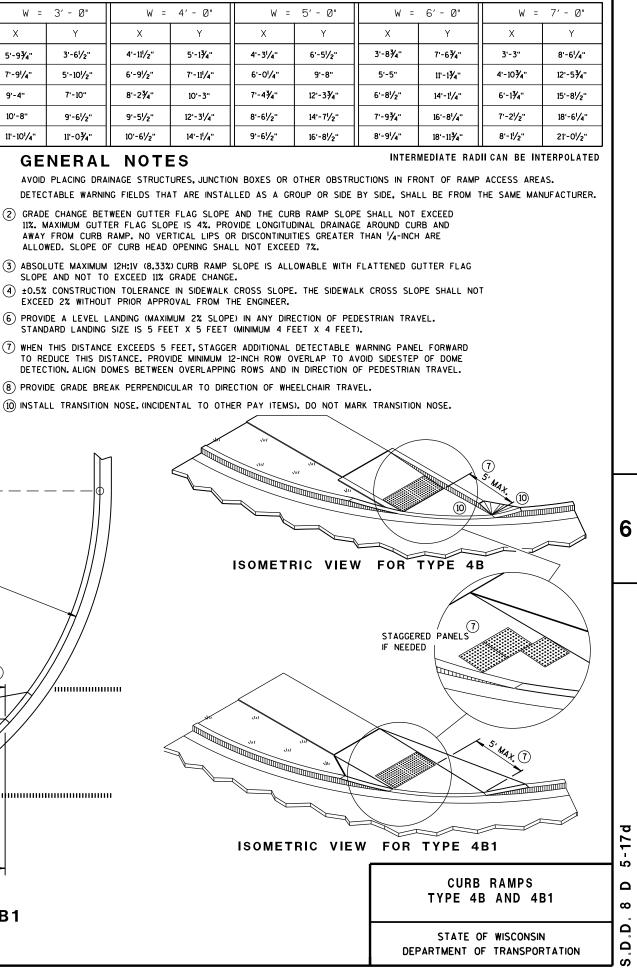
VARIES O TO W

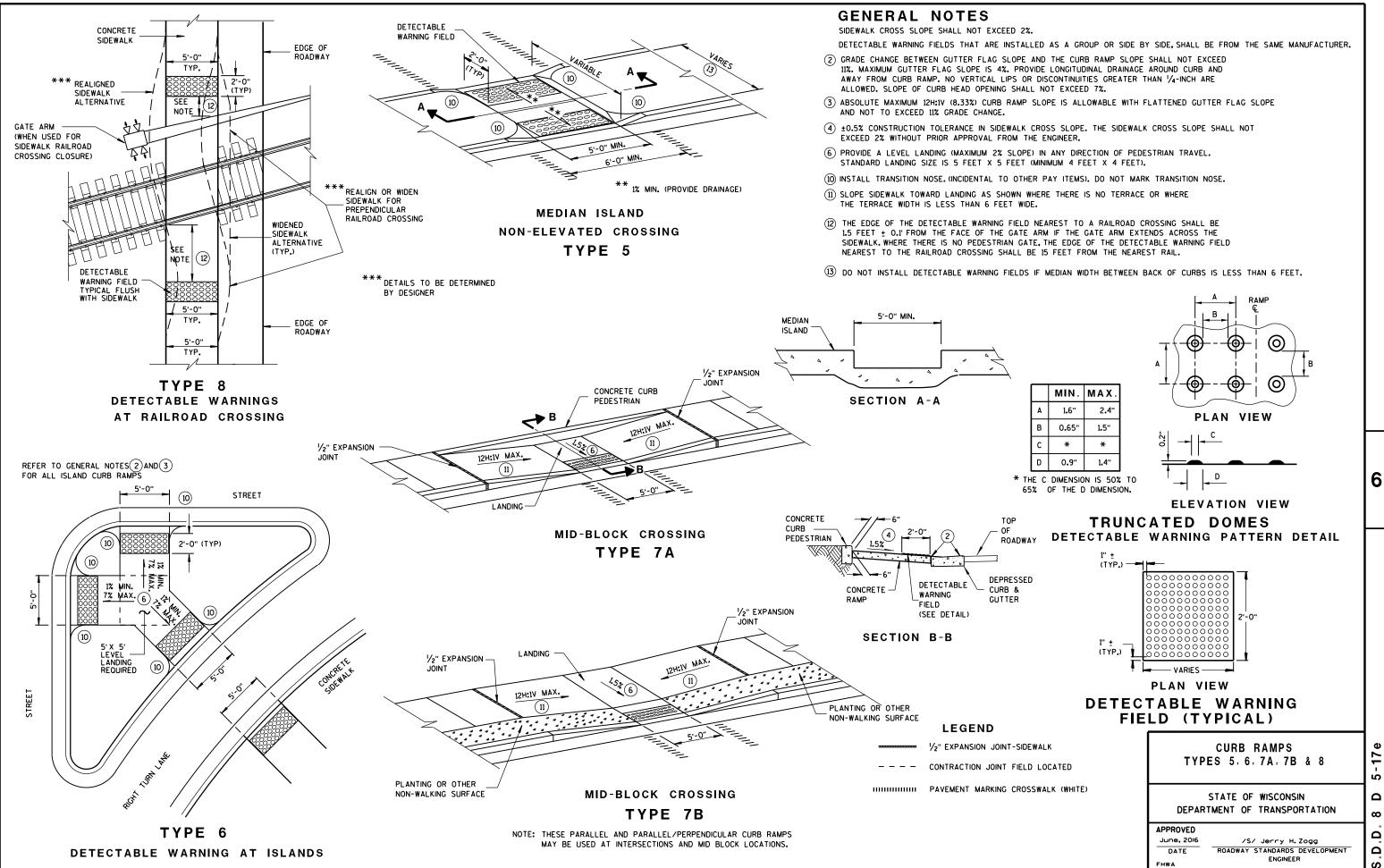
CONCRETE CURB & GUTTER

TOP OF

ROADWAY

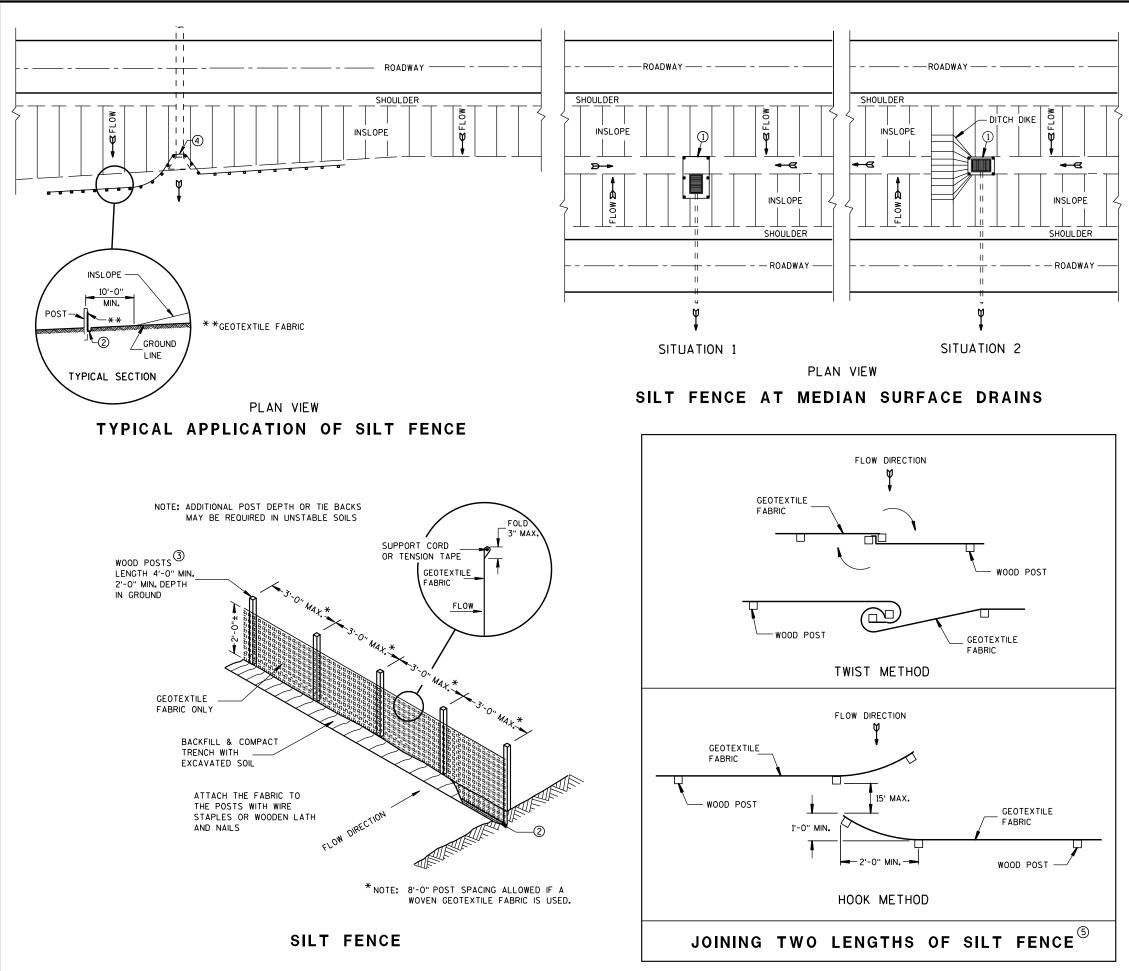
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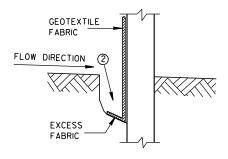
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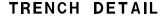
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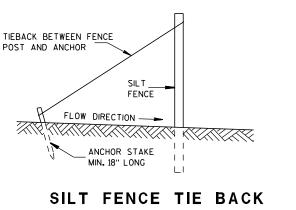
GENERAL NOTES

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

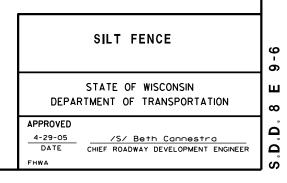
- $\textcircled{\sc 1}$ horizontal brace required with 2" x 4" wooden frame or equivalent at top of posts.
- (2) FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- (3) WOOD POSTS SHALL BE A MINIMUM SIZE OF $1/_8$ " X $1/_8$ " 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.

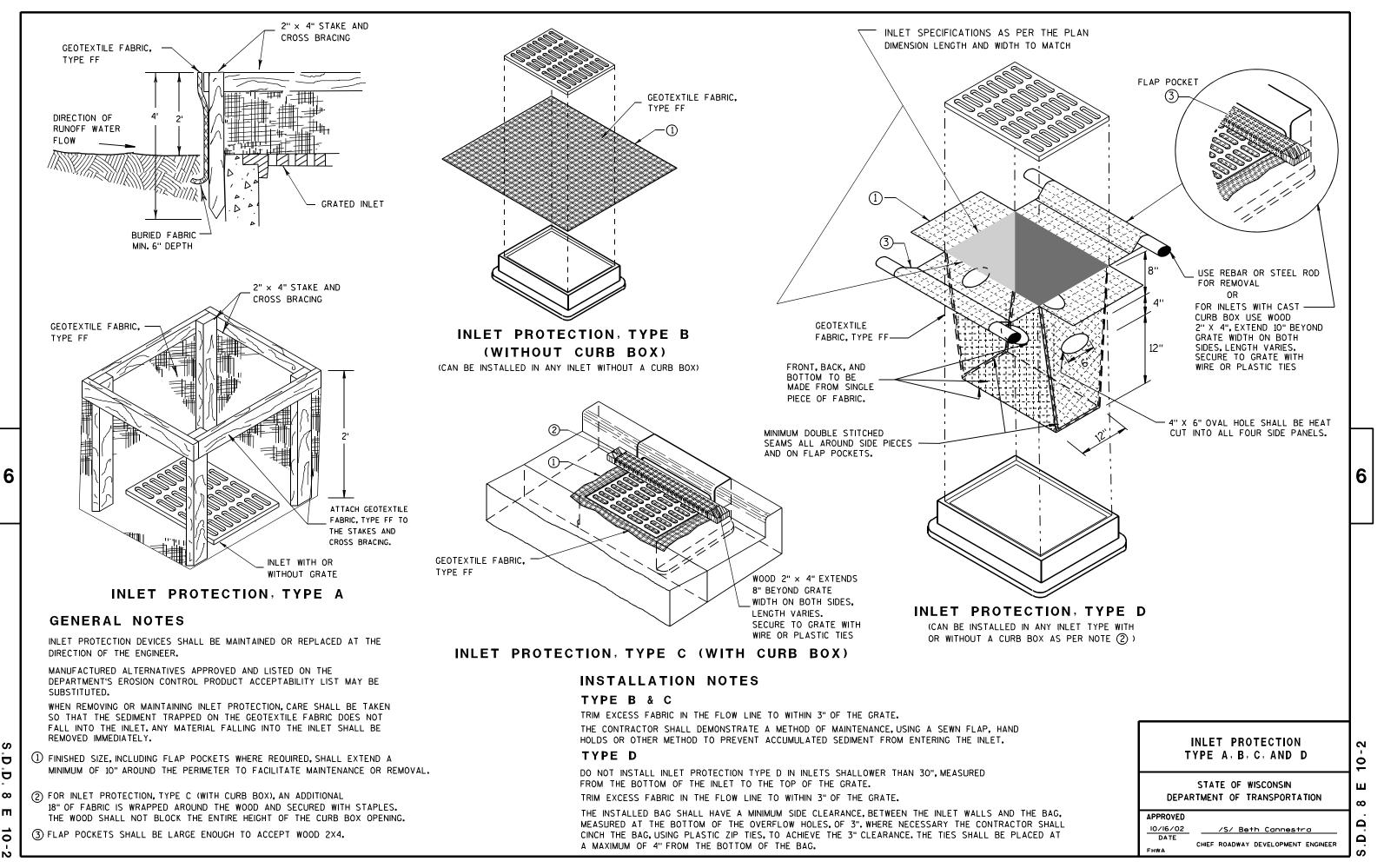




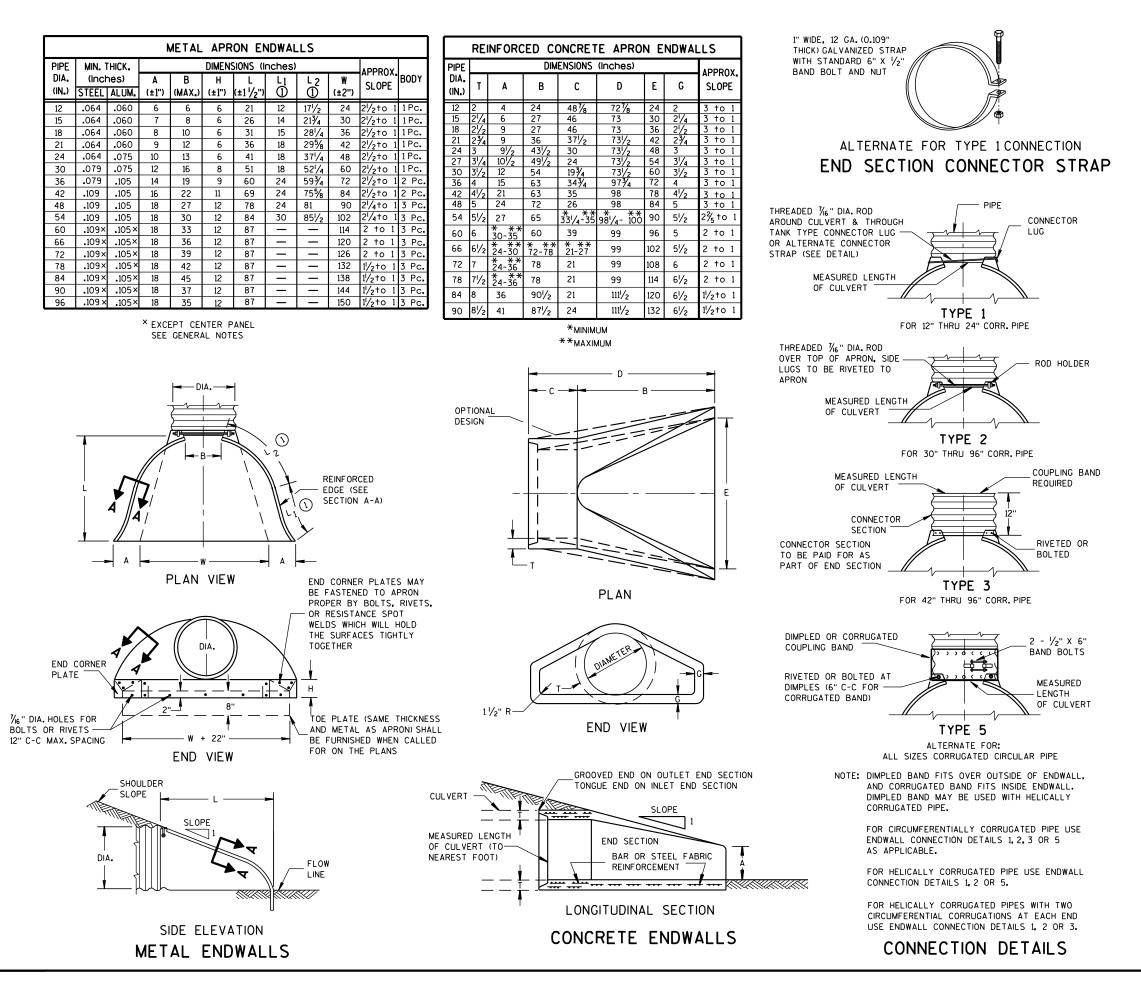


(WHEN REQUIRED BY THE ENGINEER)



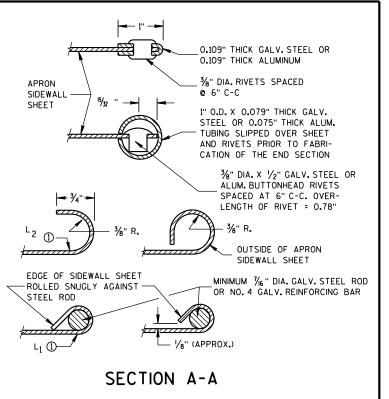


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GENERAL NOTES

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

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

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

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

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

 \bigoplus for PIPE SIZES UP to 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

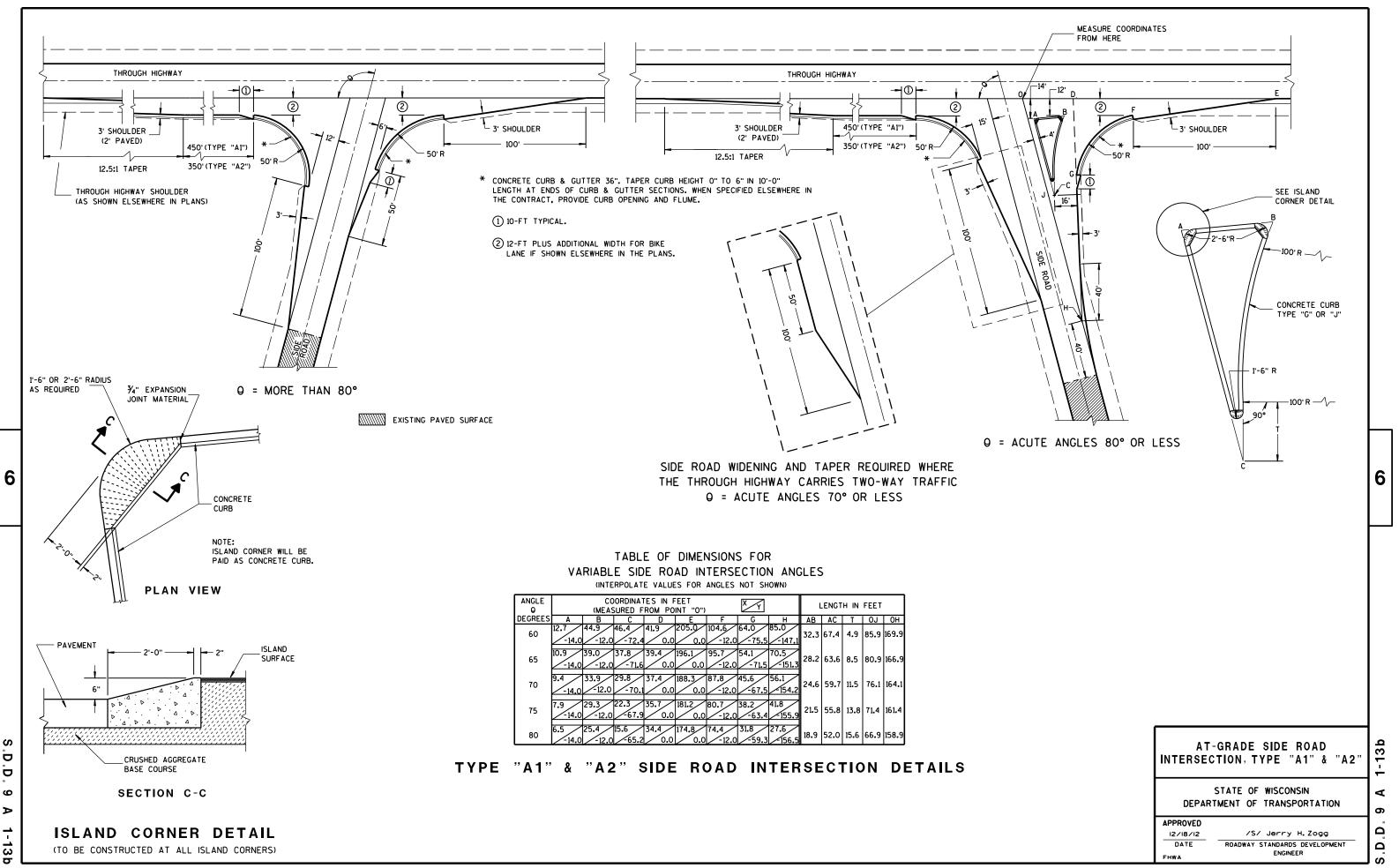
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED II/30/94 DATE FHWA

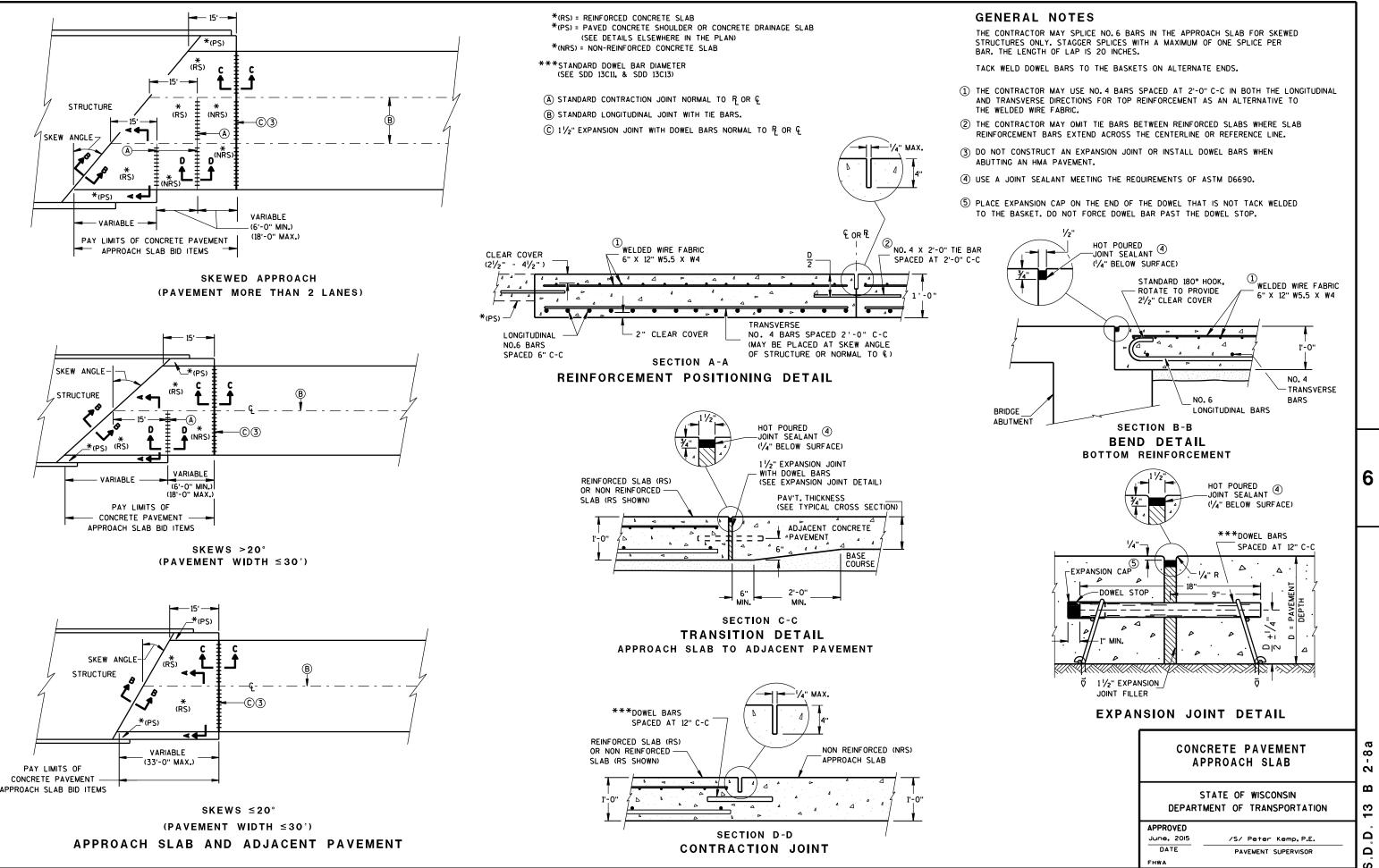
CHIEF ROADWAY DEVELOPMENT ENGINEER

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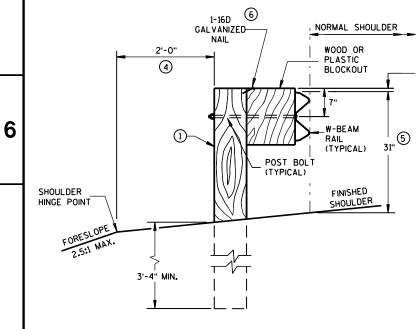


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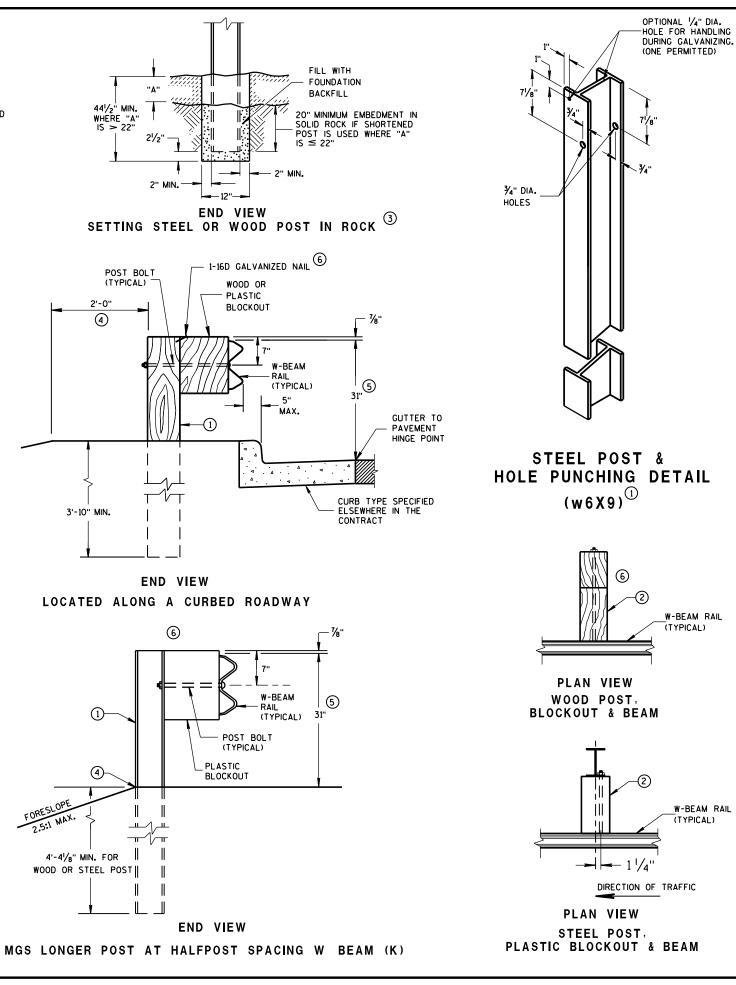
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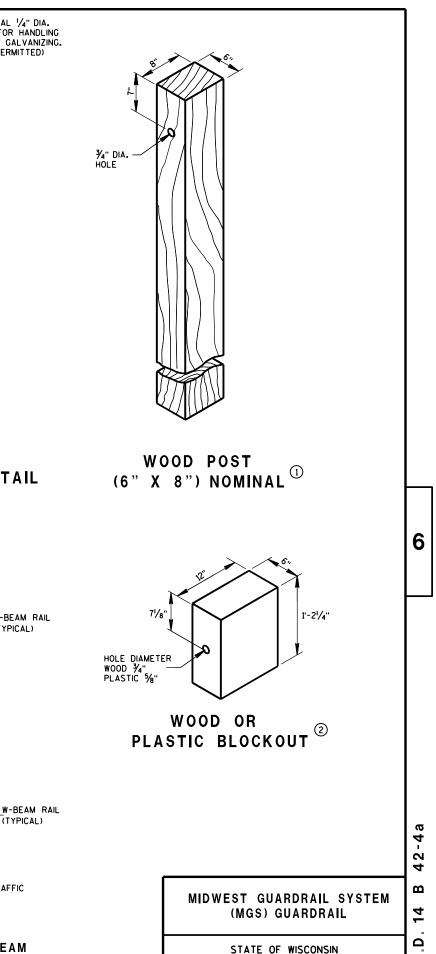
- (1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- (2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 21/2 INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 4 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS \pm 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

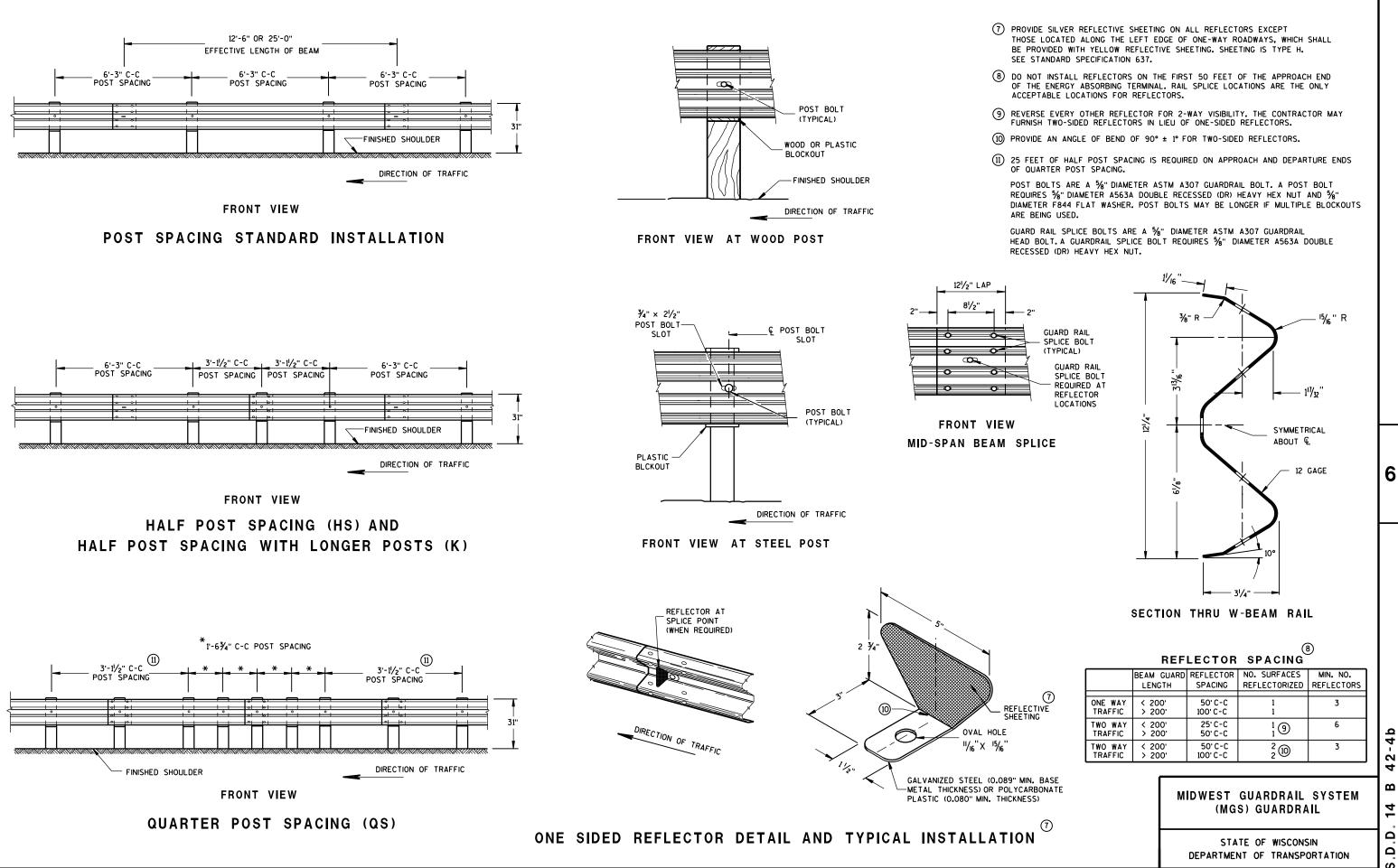




DEPARTMENT OF TRANSPORTATION

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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.

5∕8" POST BOLT

DETAIL FOR 36" BLOCKOUT DEPTH

¾" HOLE

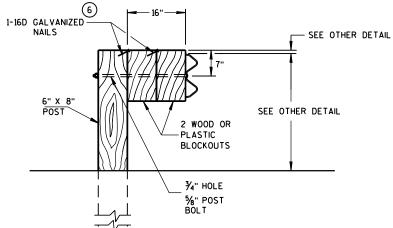
6) 1-16D GALVANIZED NAILS

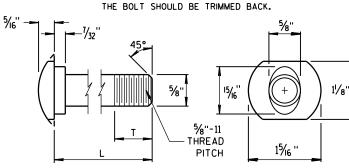
INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO







POST BOLT TABLE

11/4"

2"

10''

14''

18''

21'' 25"

SEE OTHER

DETAIL

SEE OTHER DETAIL

3 WOOD OR

BLOCKOUTS

PLASTIC

T (MIN.)

11/8"

13⁄4"

4"

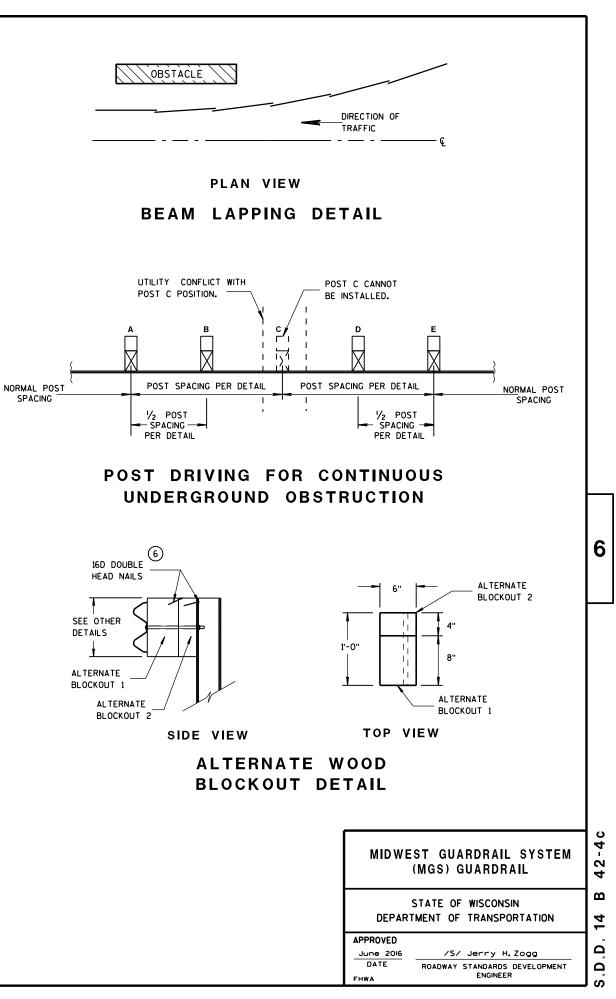
4¼₆ "

4"

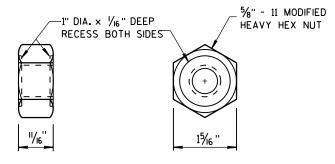
4¼₆ "

4"

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.



ALTERNATE BOLT HEAD



15/16

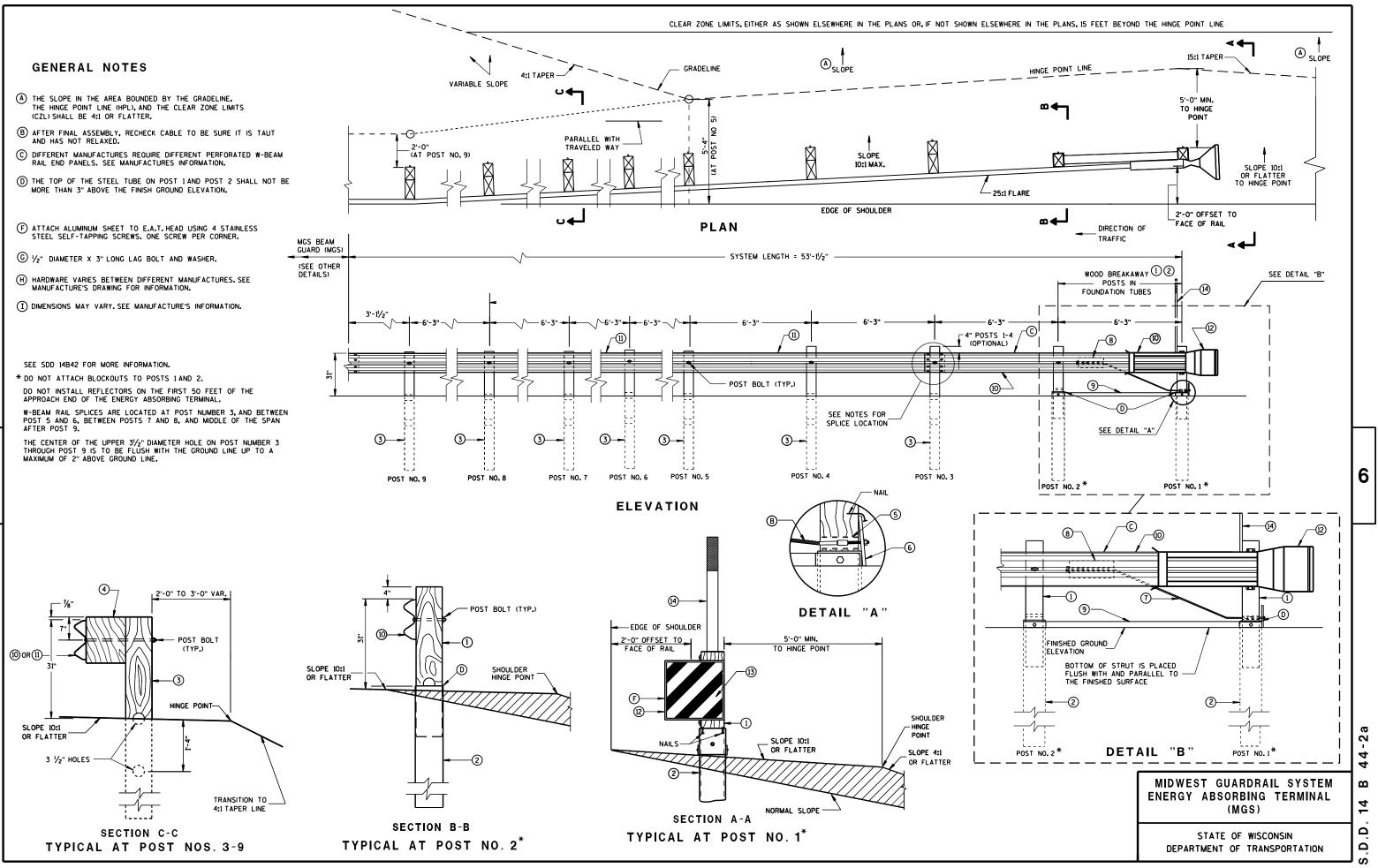
15/16 ''

POST BOLT, SPLICE BOLT AND RECESS NUT

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6" X 8"

POST



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GENERIC GROUND STRUT

SECTION B-B



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PLAN VIEW

SECTION A-A

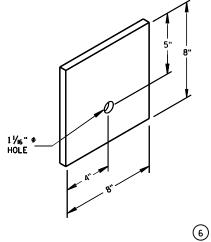
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FRONT VIEW

PART

BILL OF MATERIALS

DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
WOOD BREAKAWAY POST
6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1 AND 2
WOOD CRT
WOOD BLOCKOUT
PIPE SLEEVE
BEARING PLATE
BCT CABLE ASSEMBLY
ANCHOR CABLE BOX
GROUND STRUT
PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
END SECTION EAT
0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



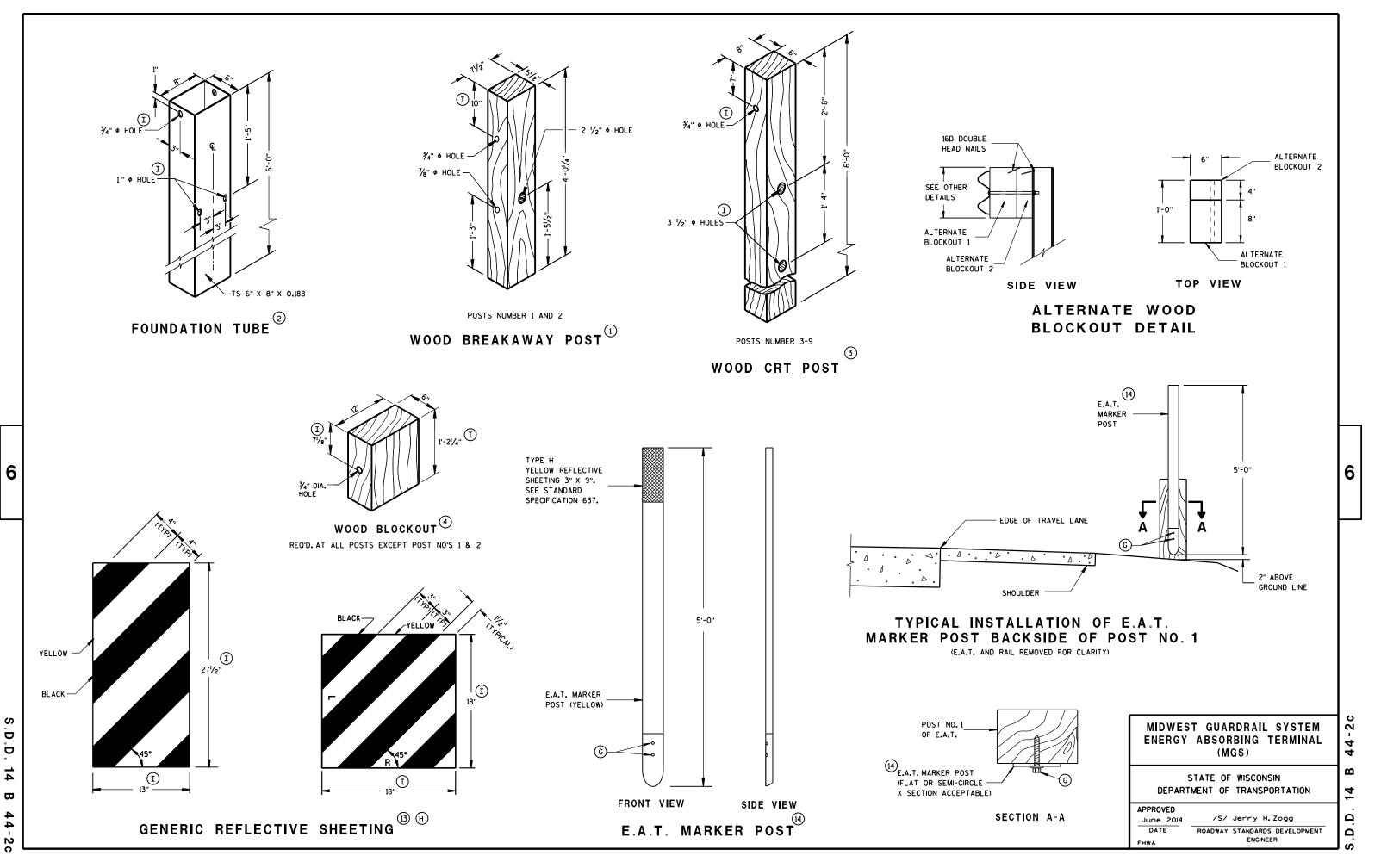
BEARING PLATE

MIDWEST GUARDRAIL SYSTEM Energy Absorbing terminal (MGS)

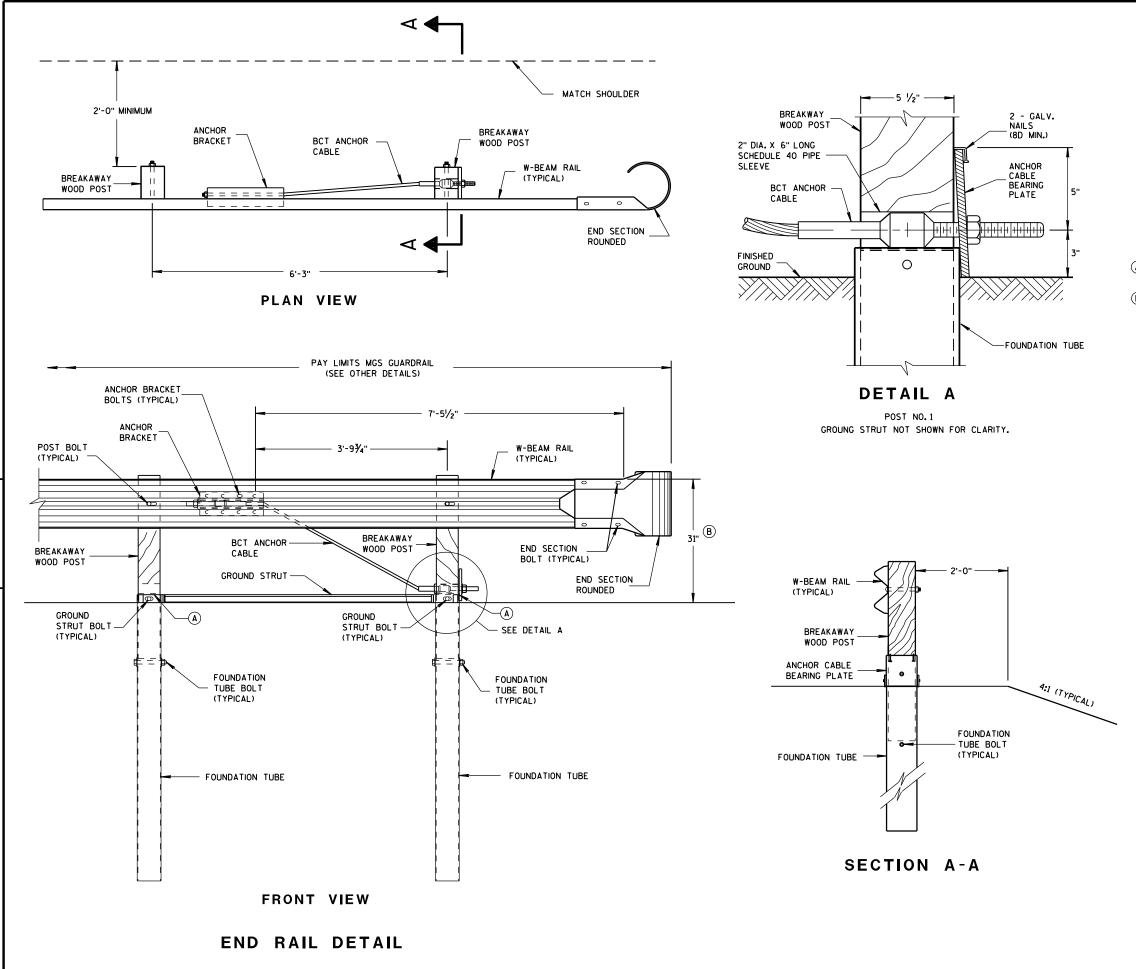
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GENERAL NOTES

SEE SDD 14 B 42 FOR MORE INFORMATION.

END SECTION BOLTS AND NUTS HAVE THE SAME MATERIAL REQUIREMENTS AS SPLICE BOLTS.

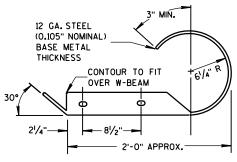
FOUNDATION TUBE BOLTS ARE $\frac{7}{8}$ " DIAMETER ASTM A307 HEX HEAD BOLT. FOUNDATION TUBE BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 $\frac{7}{8}$ " DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

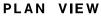
ANCHOR BRACKET AND GROUND STRUT BOLTS ARE A 5/8" DIAMETER ASTM A307 HEX HEAD BOLT. ANCHOR BRACKET BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 5%" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

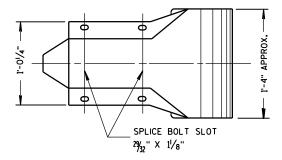
W-BEAM END SECTION ROUNDED HAS THE SAME MATERIAL PROPERTIES AS STANDARD STEEL RAIL.

(A) TOP OF FOUNDATION TUBE SHALL BE NO MORE THAN 3" ABOVE FINISHED GROUND.

(B) FOR NEW CONSTRUCTION TOP OF RAIL IS 31" ± 1". FOR EXISTING INSTALLATIONS TOP OF RAIL IS BETWEEN 273/4" TO 32" ± 1".

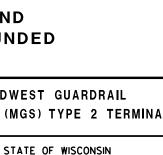








W BEAM END SECTION ROUNDED



MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

DEPARTMENT OF TRANSPORTATION

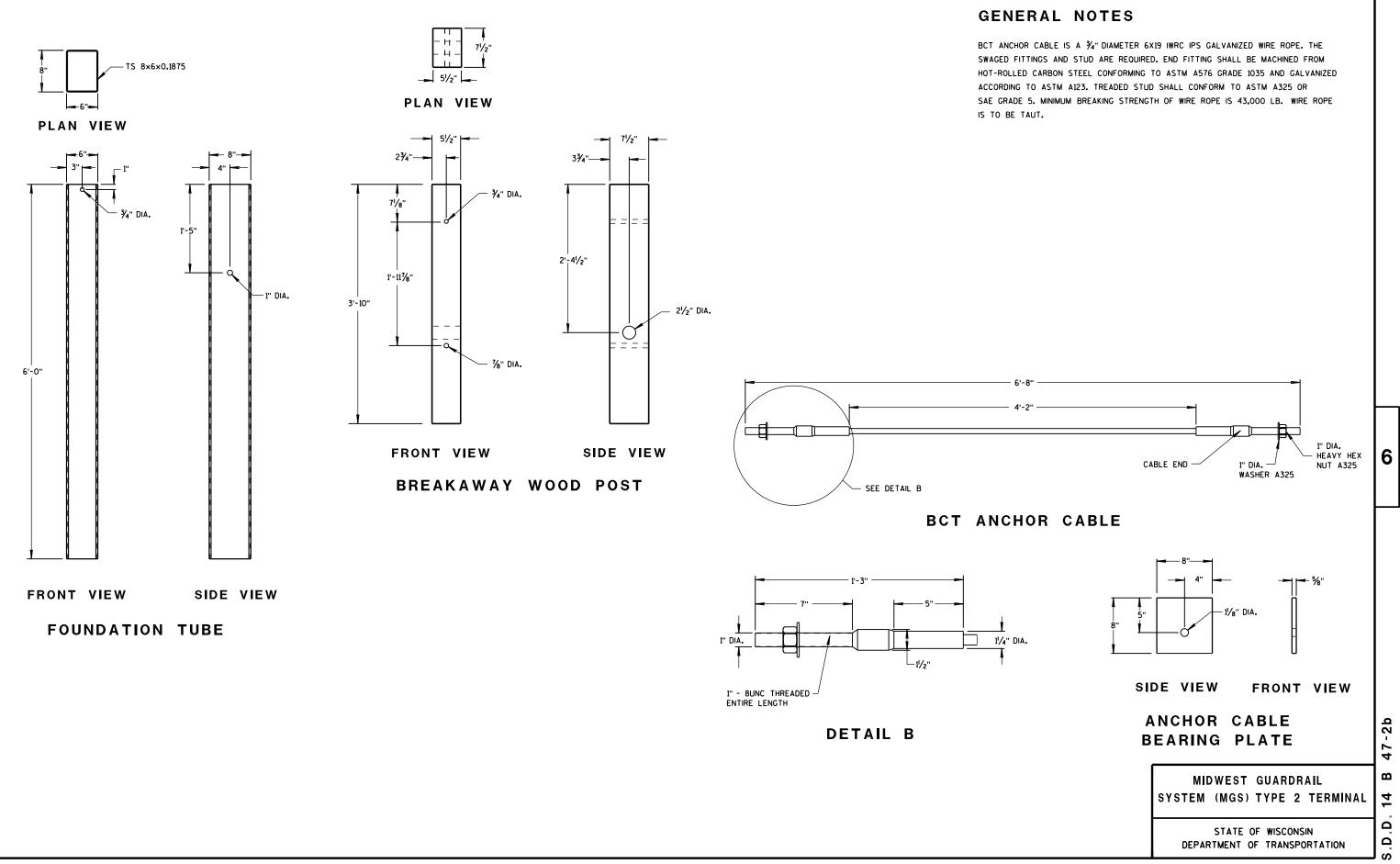
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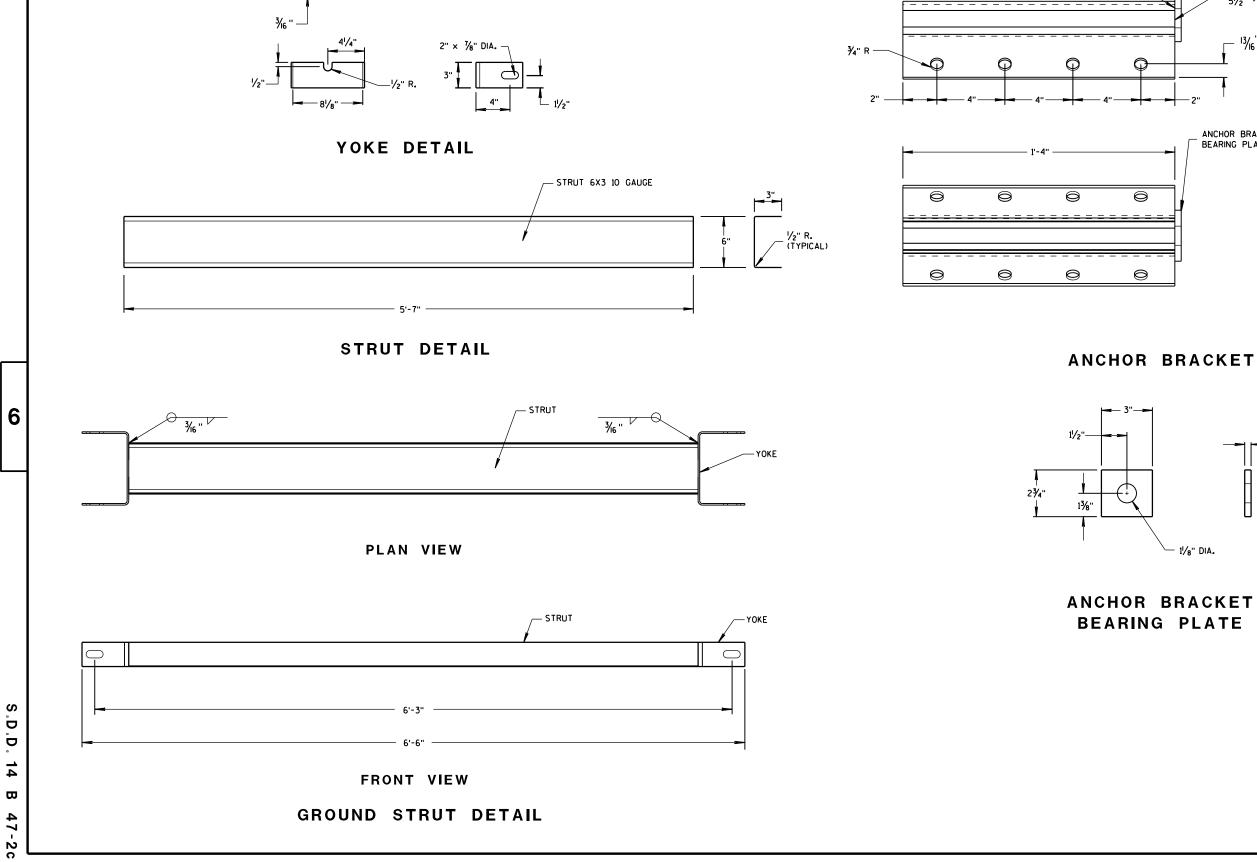
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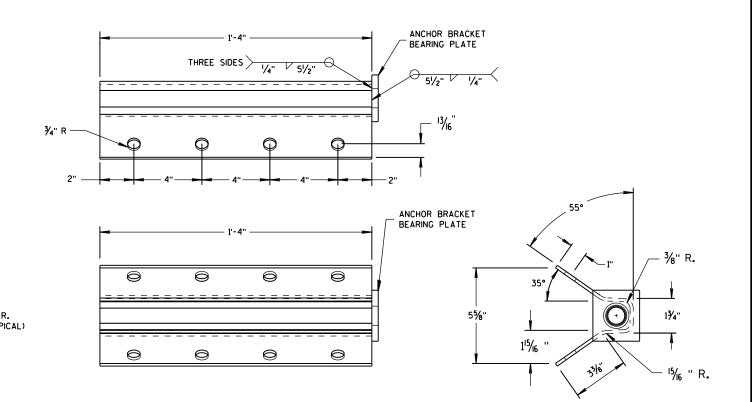




8¹/8"

5½"

5⁄16 " R. (TYPICAL)



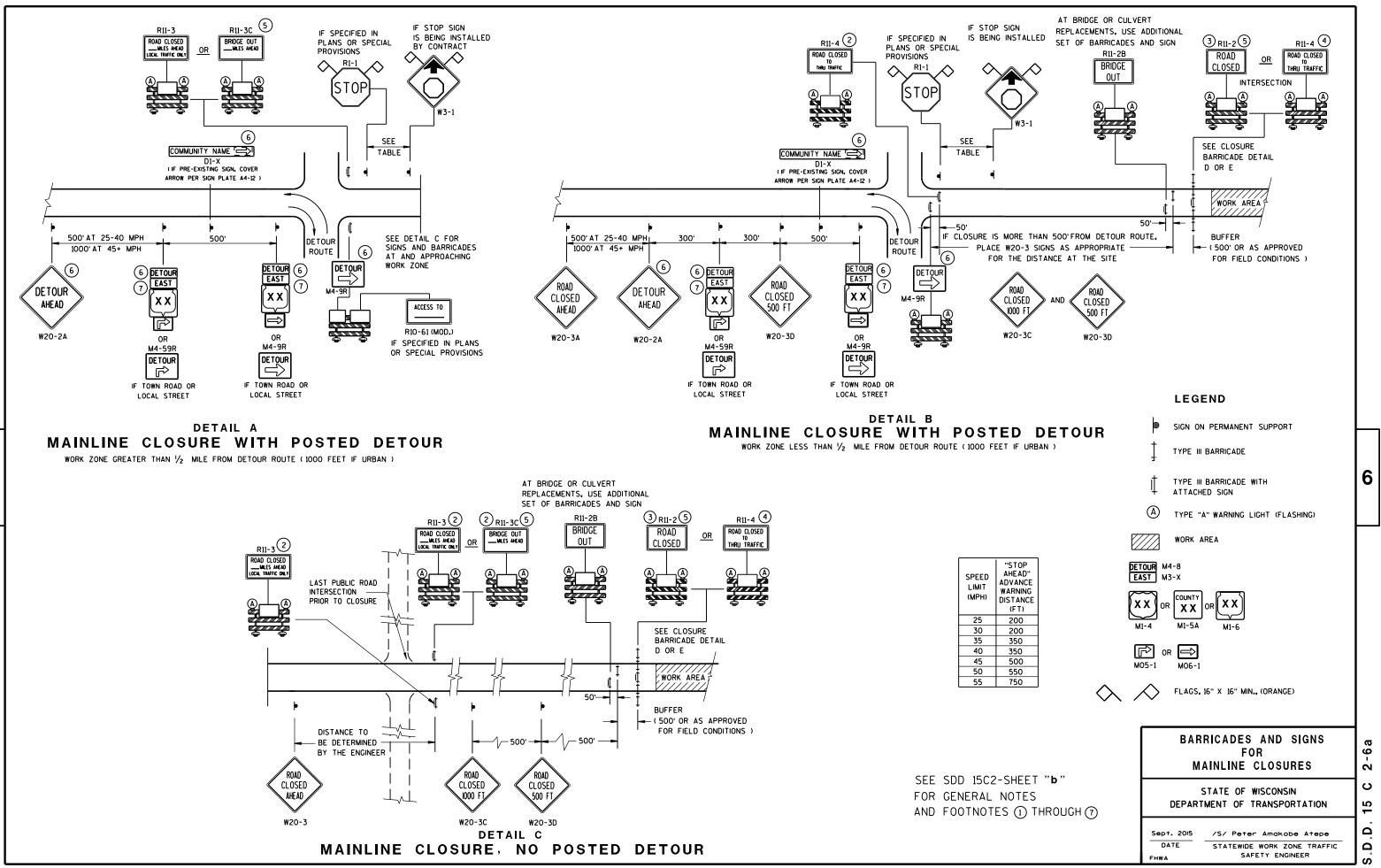
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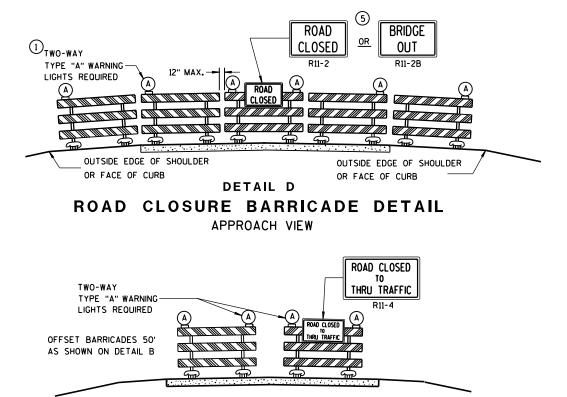


- 11/8" DIA.

2 C MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVED /S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER June 2014 DATE FHWA S

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DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE. BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY. SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS. ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES. TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE. THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS. "WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE. ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36". LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING). R11-2 AND R11-3 SIGNS. INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN. DIRECTIONS AND ARROWS AS APPROPRIATE. BARRICADES AND SIGNS

THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION. FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D. FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E. FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING

- (2)
- (3)
- (4)
- (5)
- (6)
- (7)

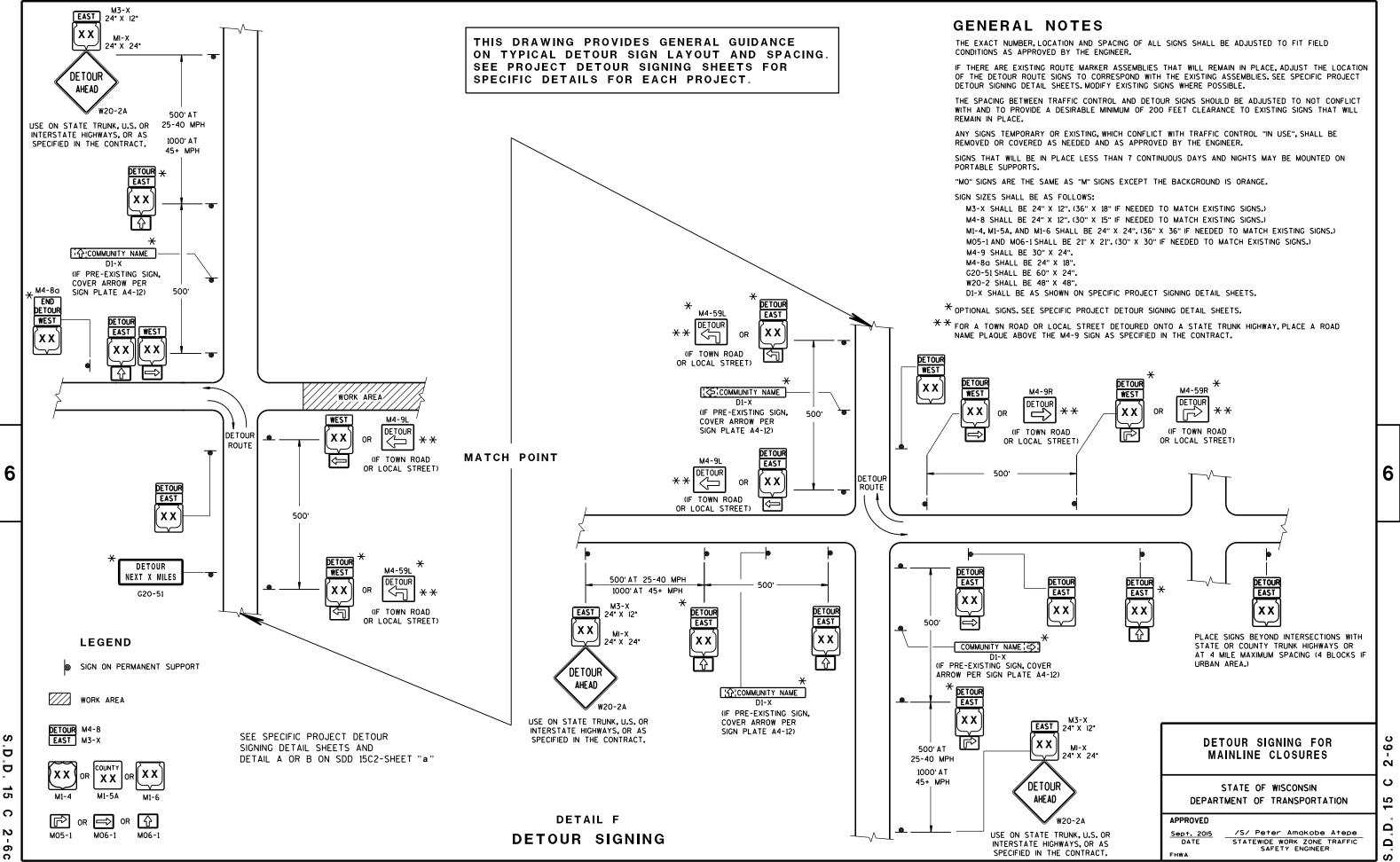
FOR MAINLINE CLOSURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

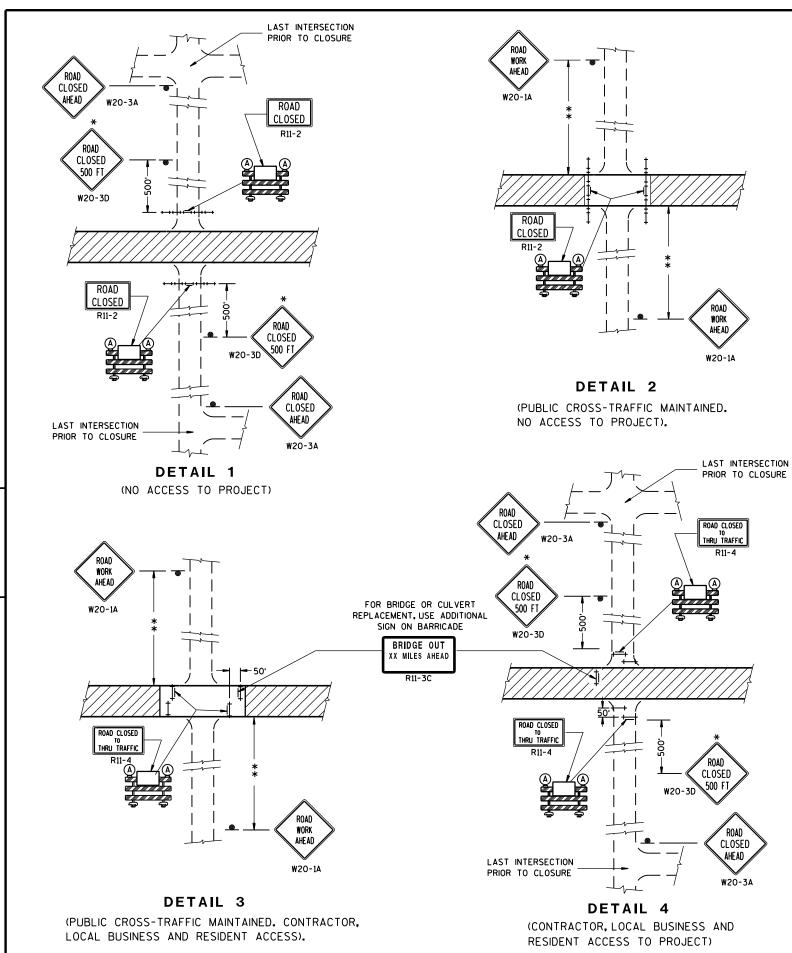
Sept. 2015 DATE FHWA

/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

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GENERAL NOTES

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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE. IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS

RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY. SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30". R11-4 AND R11-3 SHALL BE 60" X 30".

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

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

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

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

WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

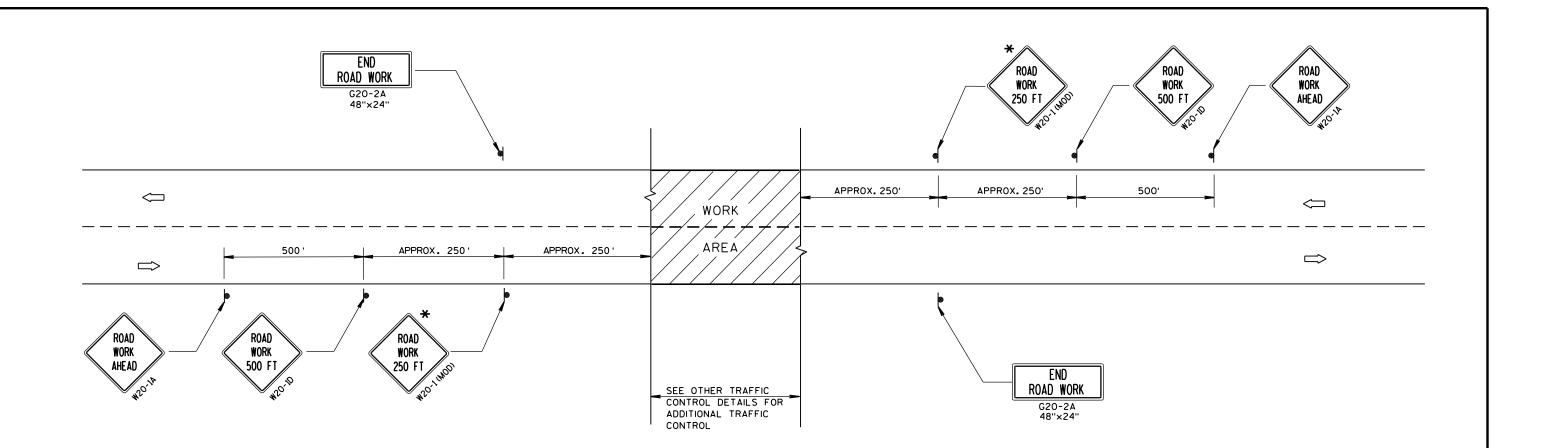
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED Sept. 2015 DATE

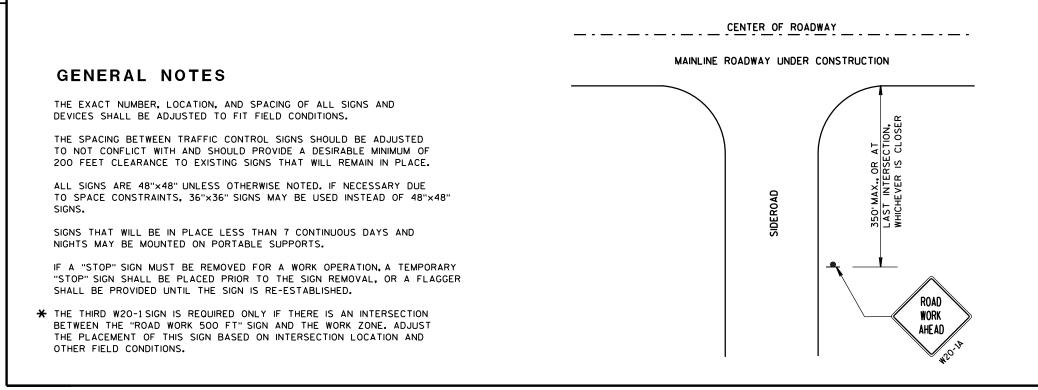
FHWA

/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER 6

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TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



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LEGEND



SIGN ON PERMANENT SUPPORT



DIRECTION OF TRAFFIC



WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

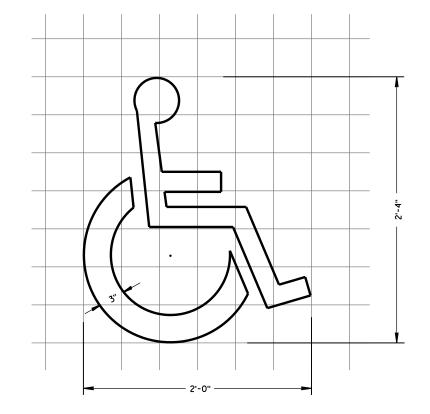
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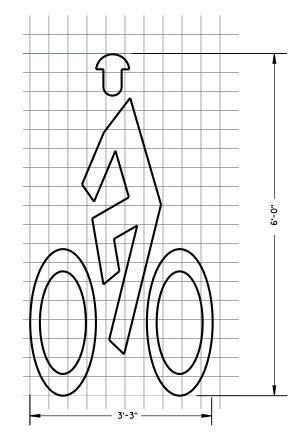
APPROVED Sept. 2015 DATE

FHWA

/S/ Peter Amokobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER D.D. 15 C 5-3

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

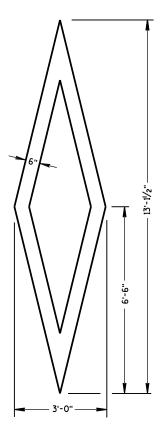




BIKE CROSSING SYMBOL

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PREFERENTIAL LANE SYMBOL

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 4/18/16

/S/ Matthew R.Rauch DATE STATE SIGNING AND MARKING ENGINEER

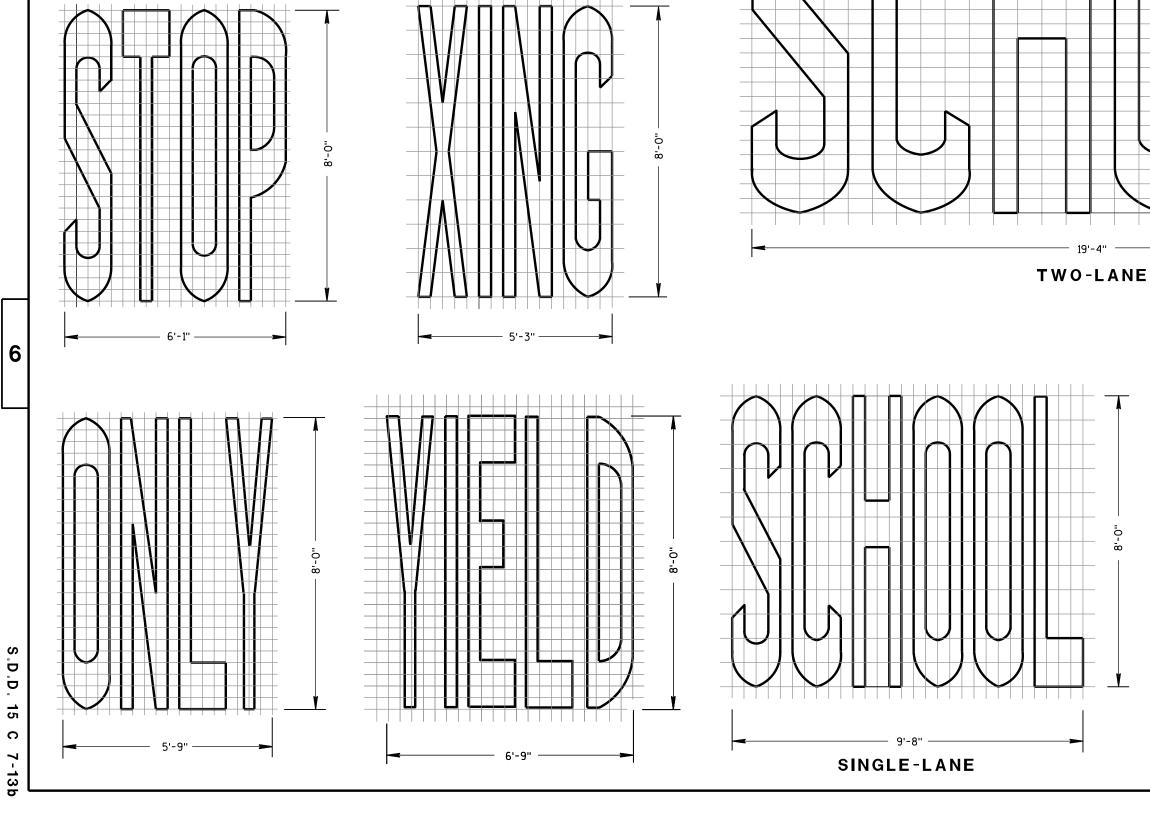
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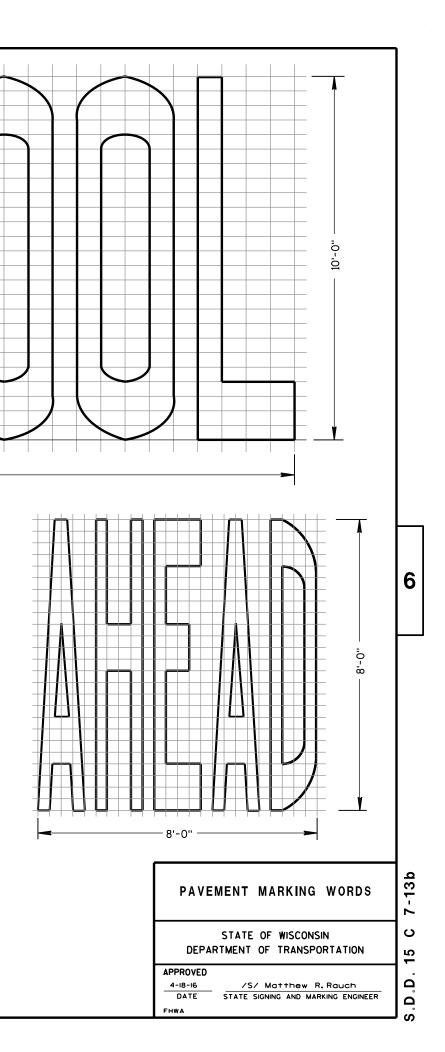
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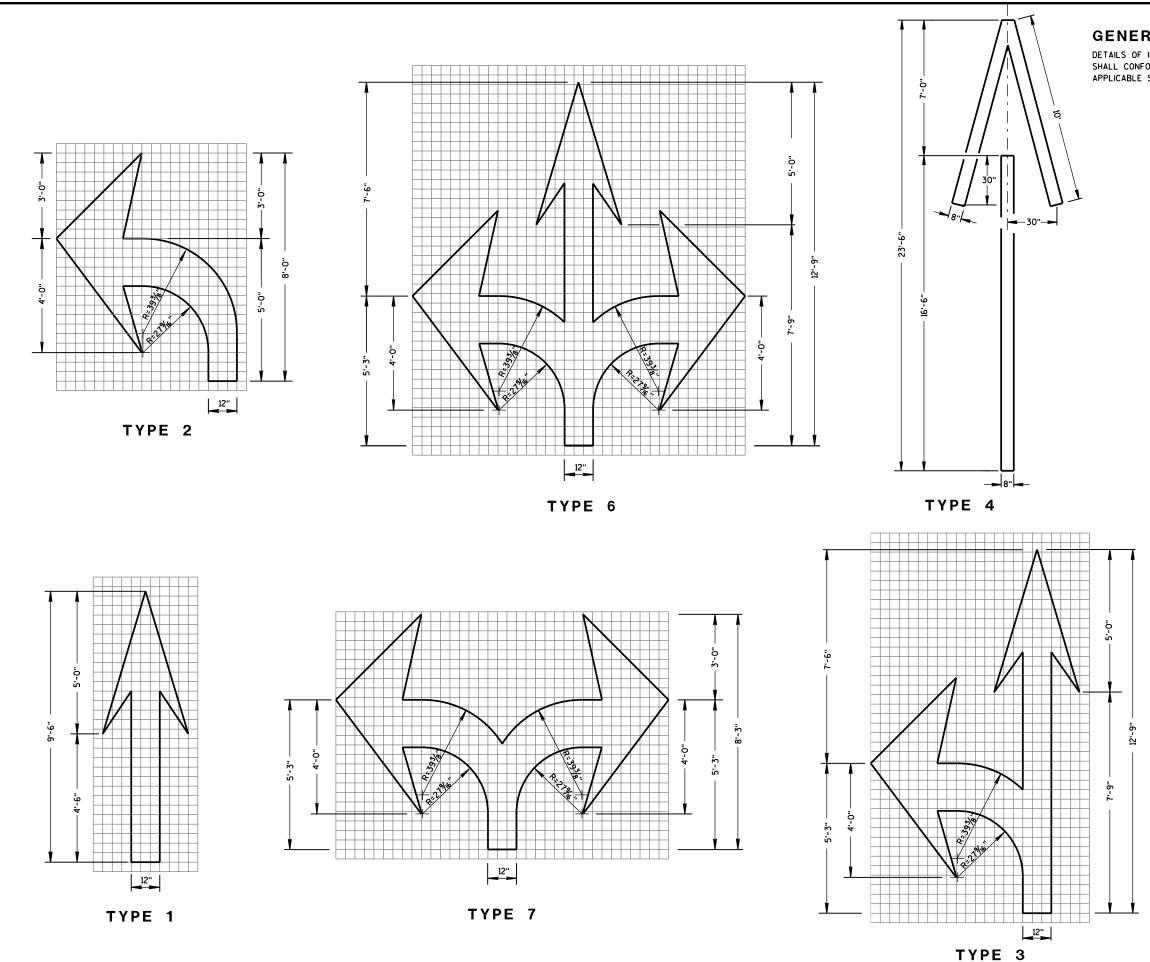




GENERAL NOTES

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





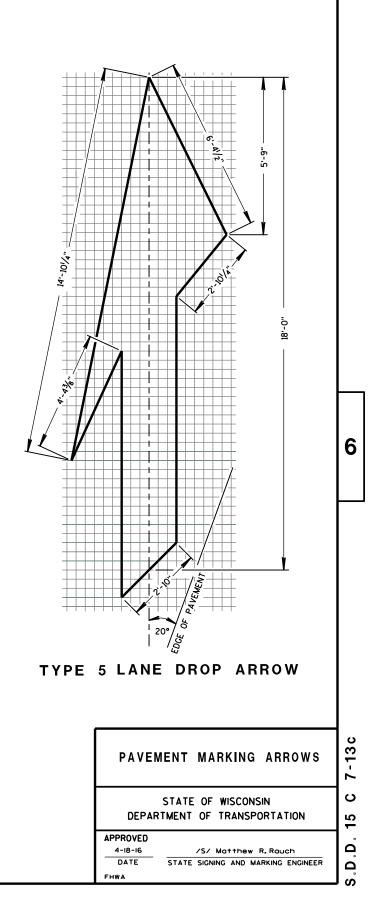
.D.D. 15 C 7-13c

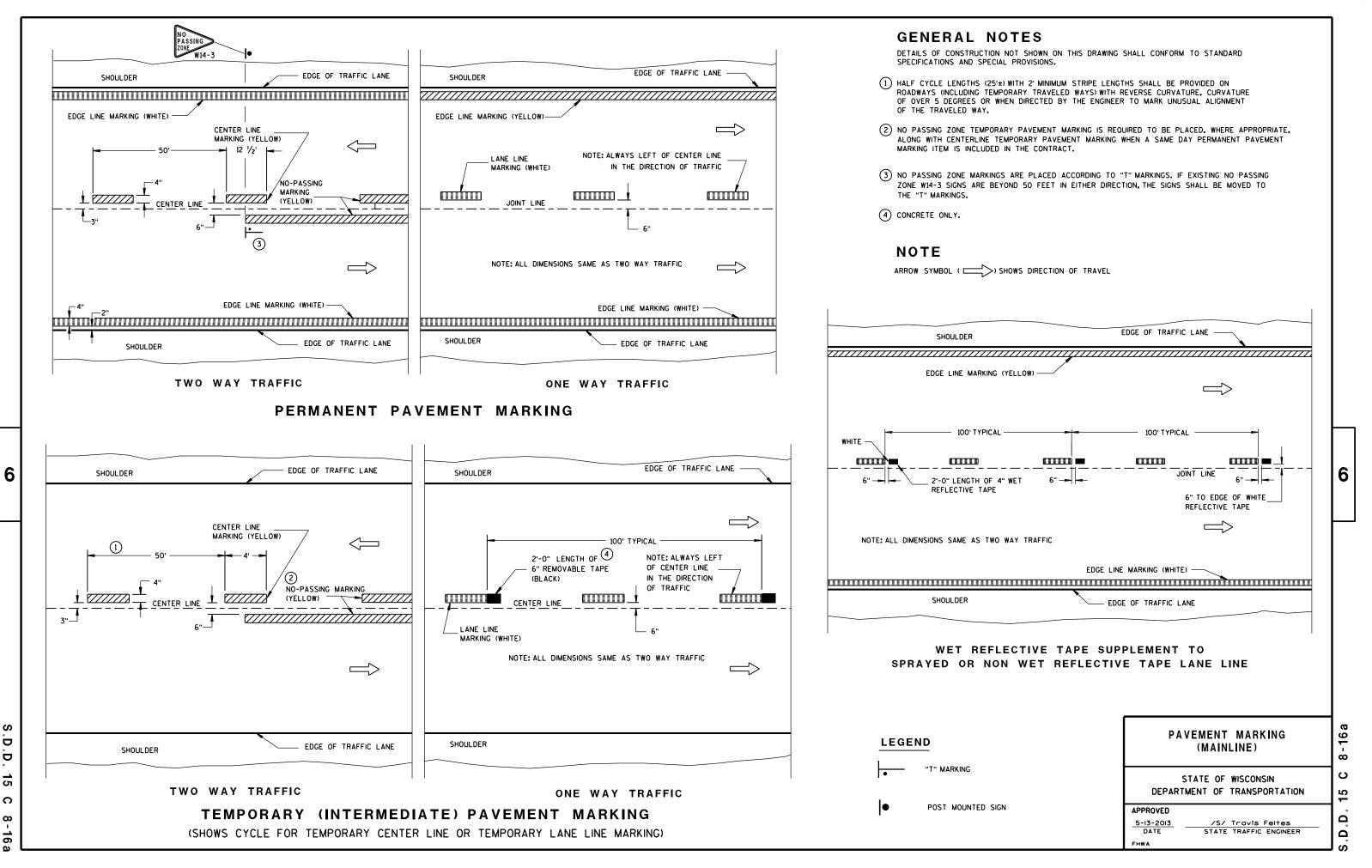
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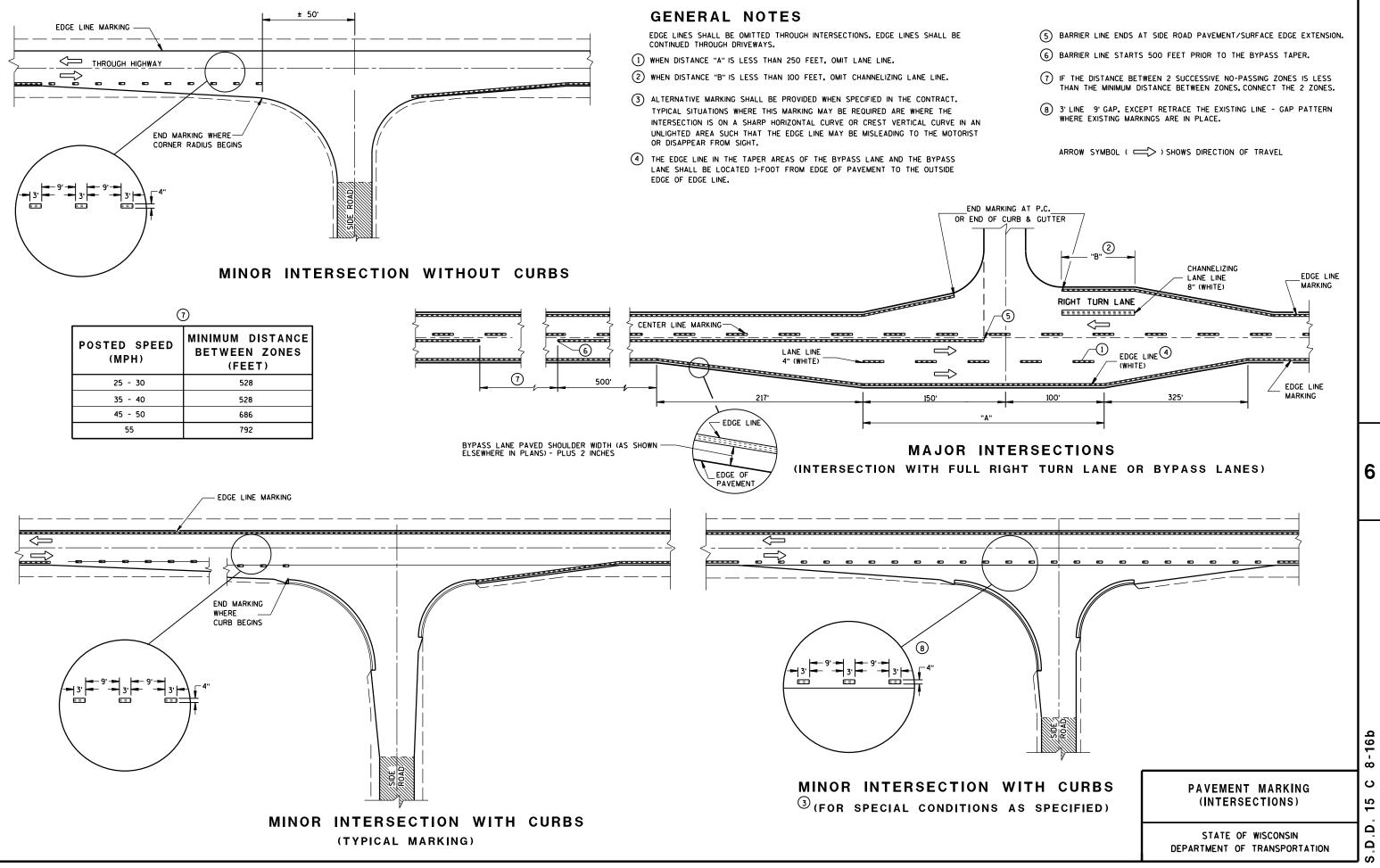
GENERAL NOTES

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



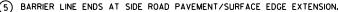


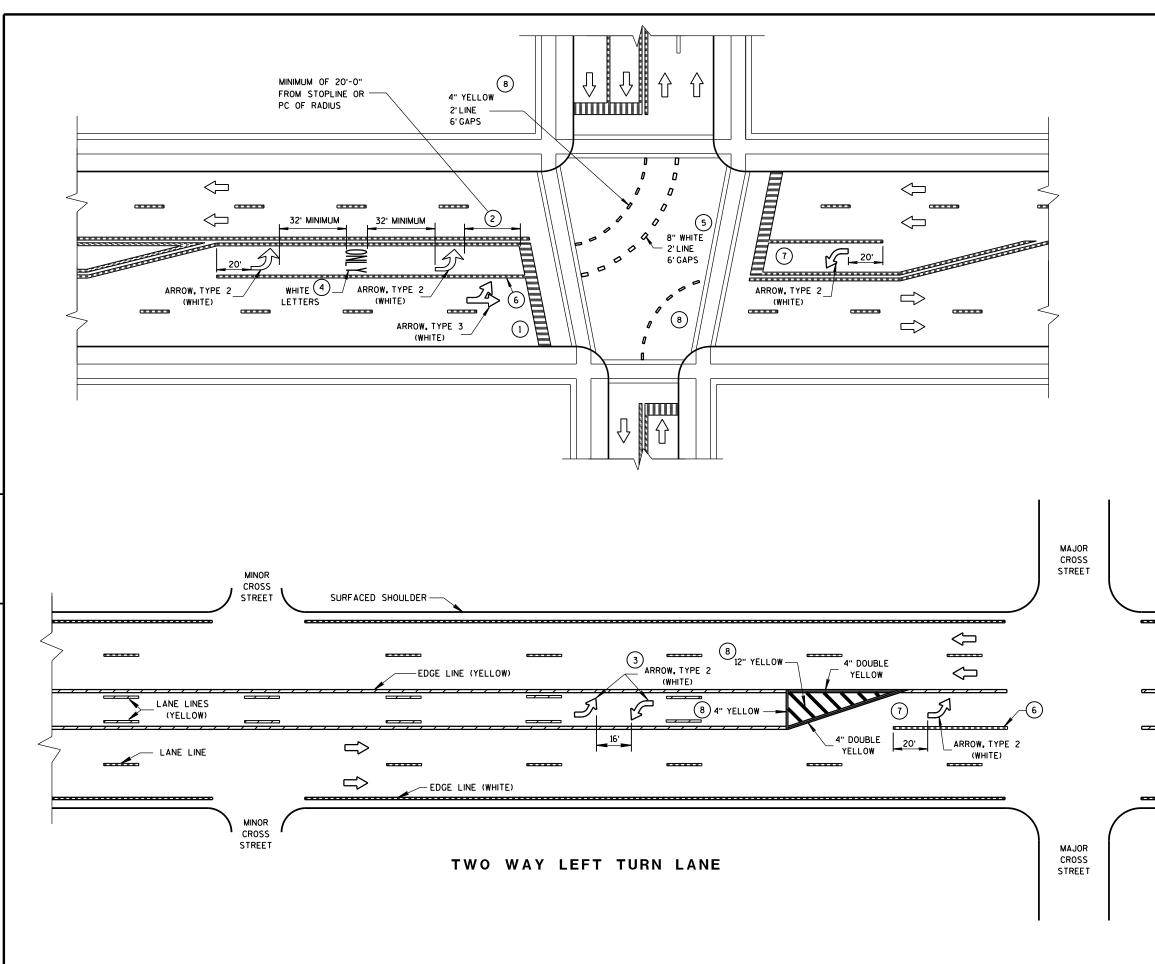
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.D.D. 15 C 8-16

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GENERAL NOTES

- 1 STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- (2) DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
- (3) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- (4) ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
- (5) 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
- (6) 8" WHITE
- $\fbox{7}$ add second arrow when turn bay is greater than or equal to 108 feet.
- (8) REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

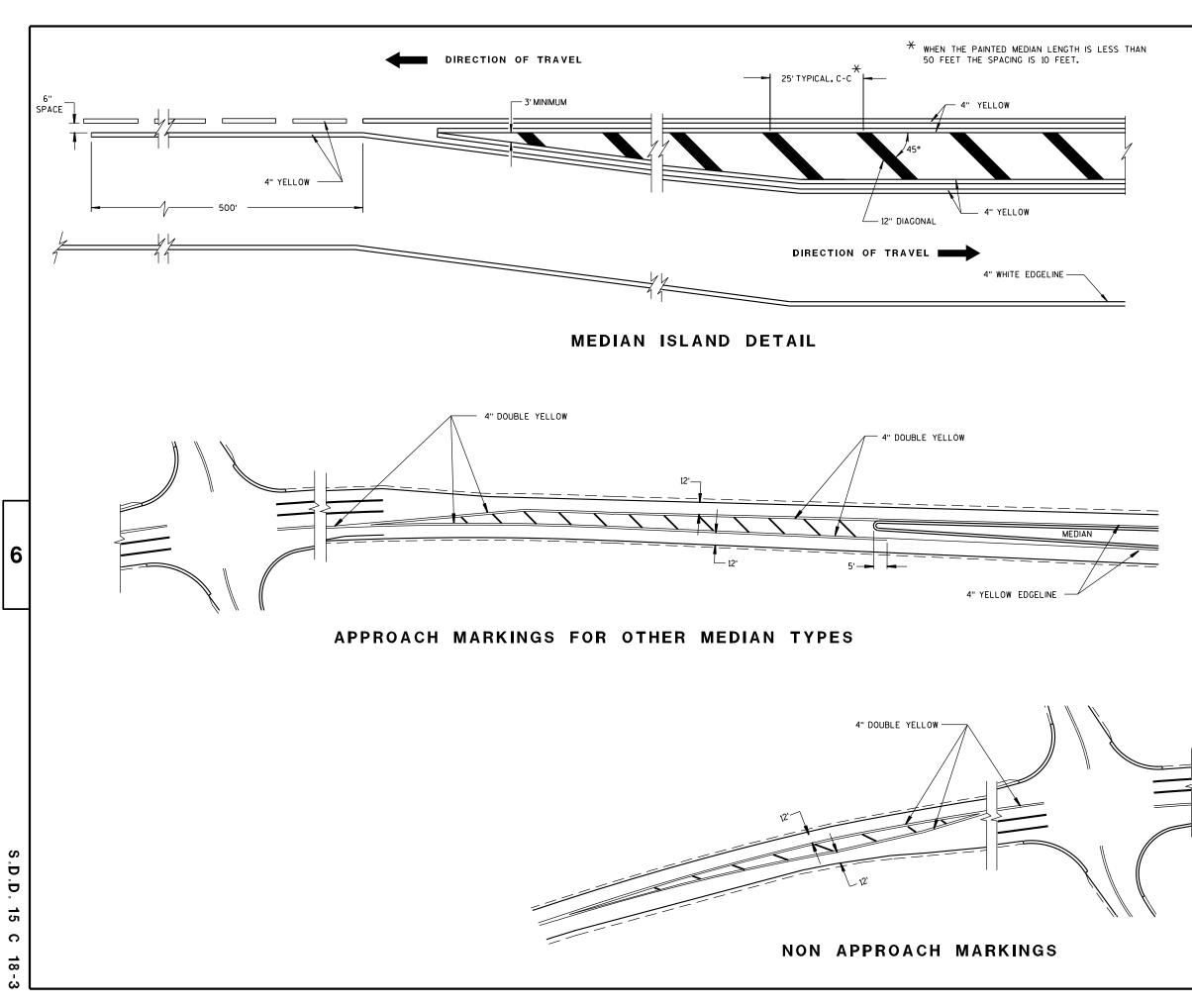
NOTE: ARROW SYMBOL (SHOWS DIRECTION OF TRAVEL

_____ ___ _____

PAVEMENT MARKING (LEFT TURN LANE)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

S.D.D. 15 C 8-16e



GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

6

MEDIAN ISLAND MARKING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 2-5-09 DATE

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

FHWA

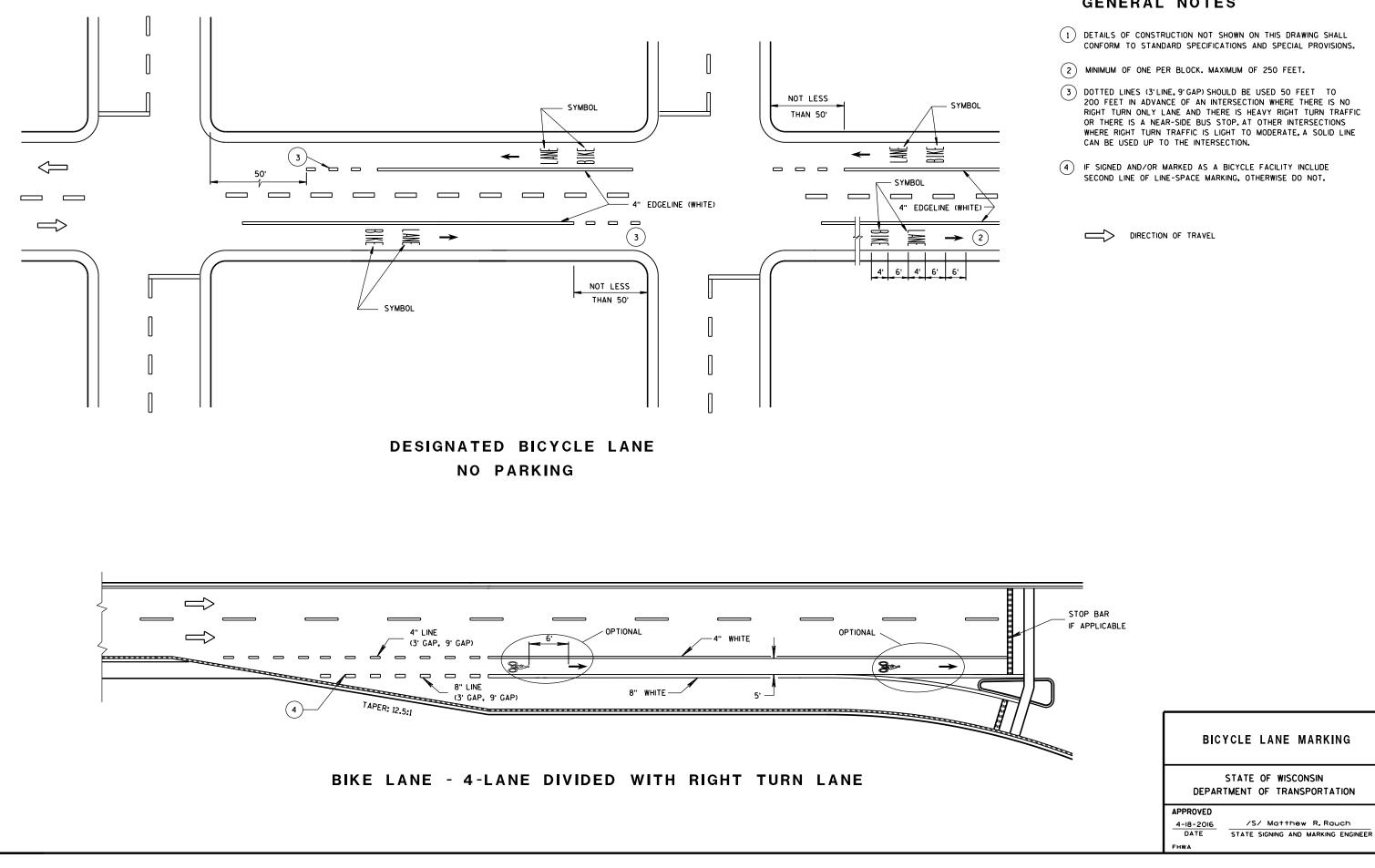
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GENERAL NOTES

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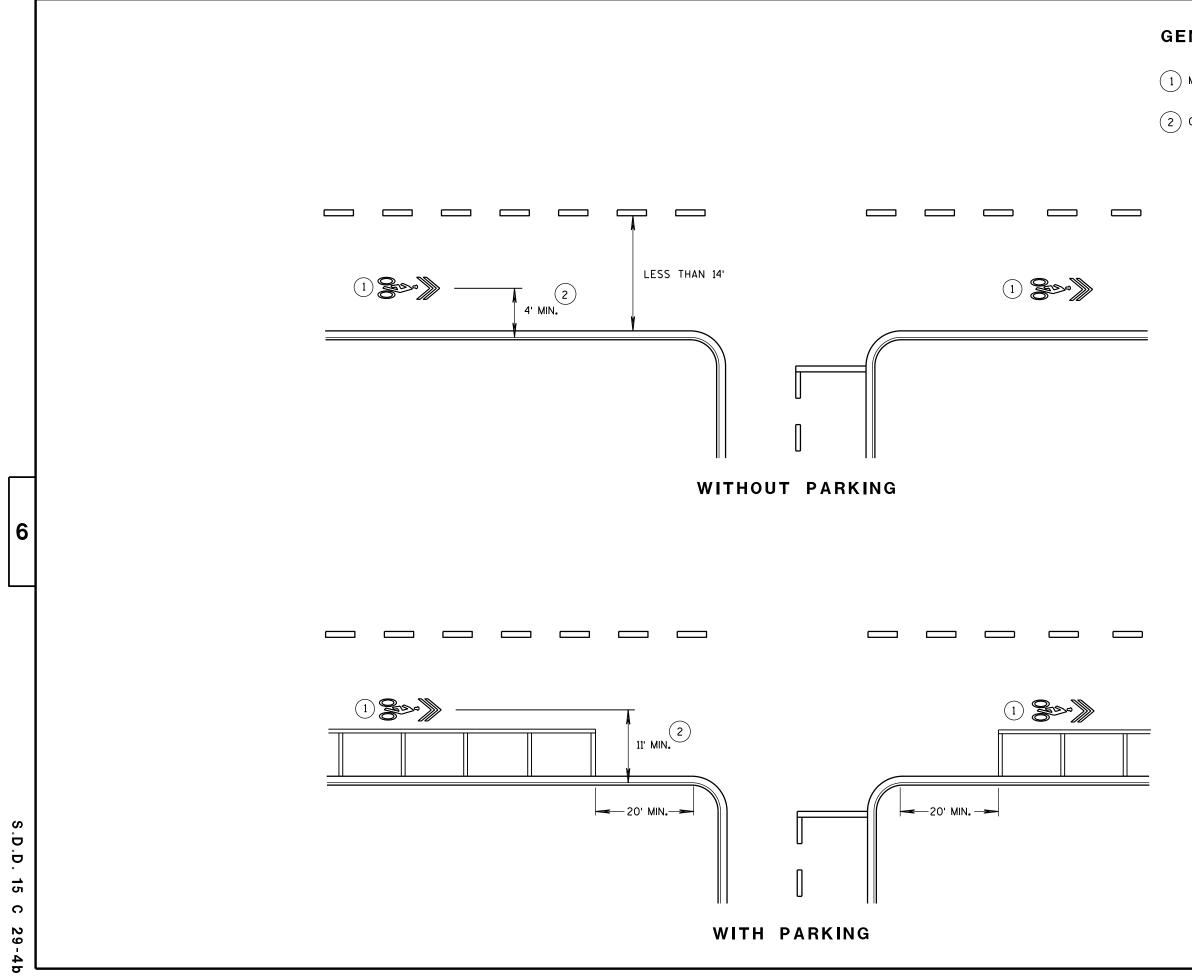
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GENERAL NOTES

(1) MINIMUM OF ONE PER BLOCK, MAXIMUM OF 250 FEET.

2 OR TO EDGE OF PAVEMENT WITHOUT CURB.

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PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS

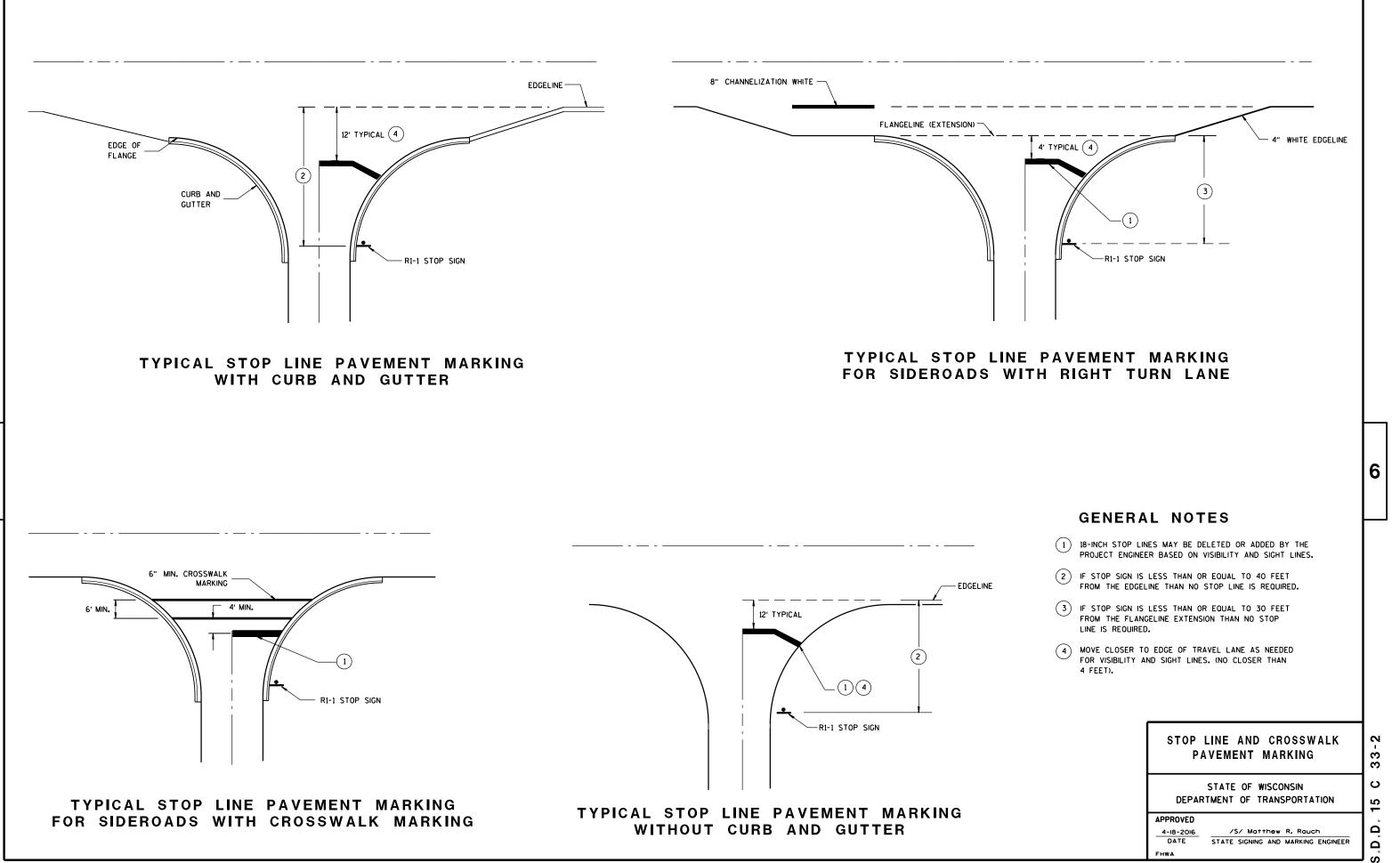
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

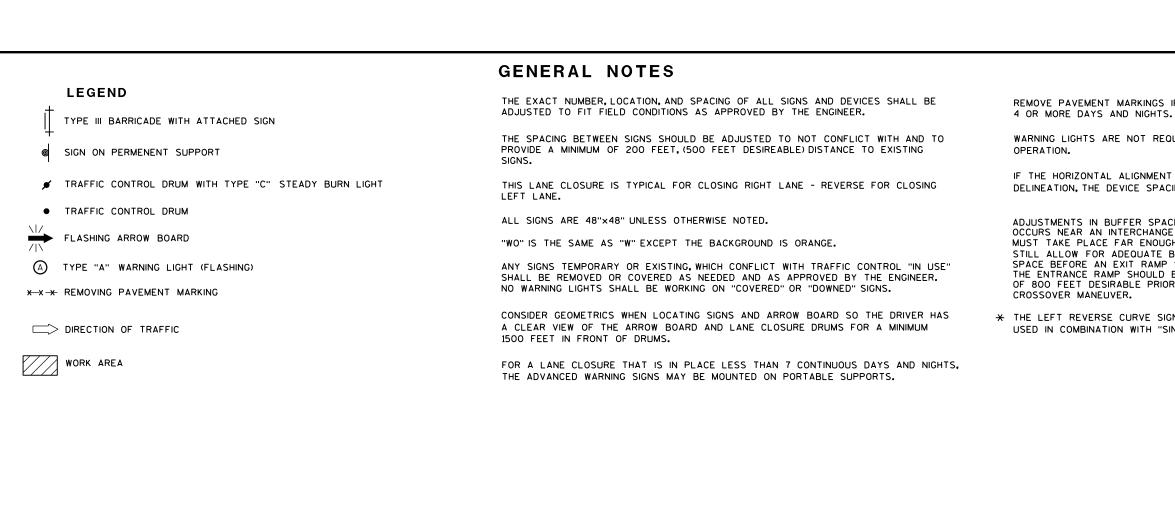
APPROVED

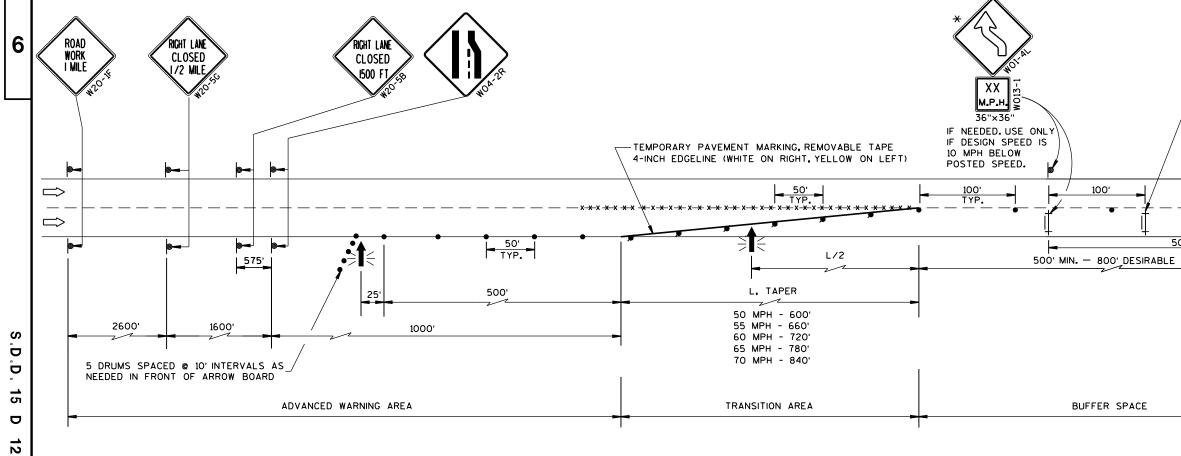
4-18-2016 /S/ Matthew R. Rauch DATE STATE SIGNING AND MARKING ENGINEER /S/ Matthew R.Rauch

FHWA

29-4b S 15 Q Δ S







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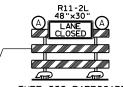
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

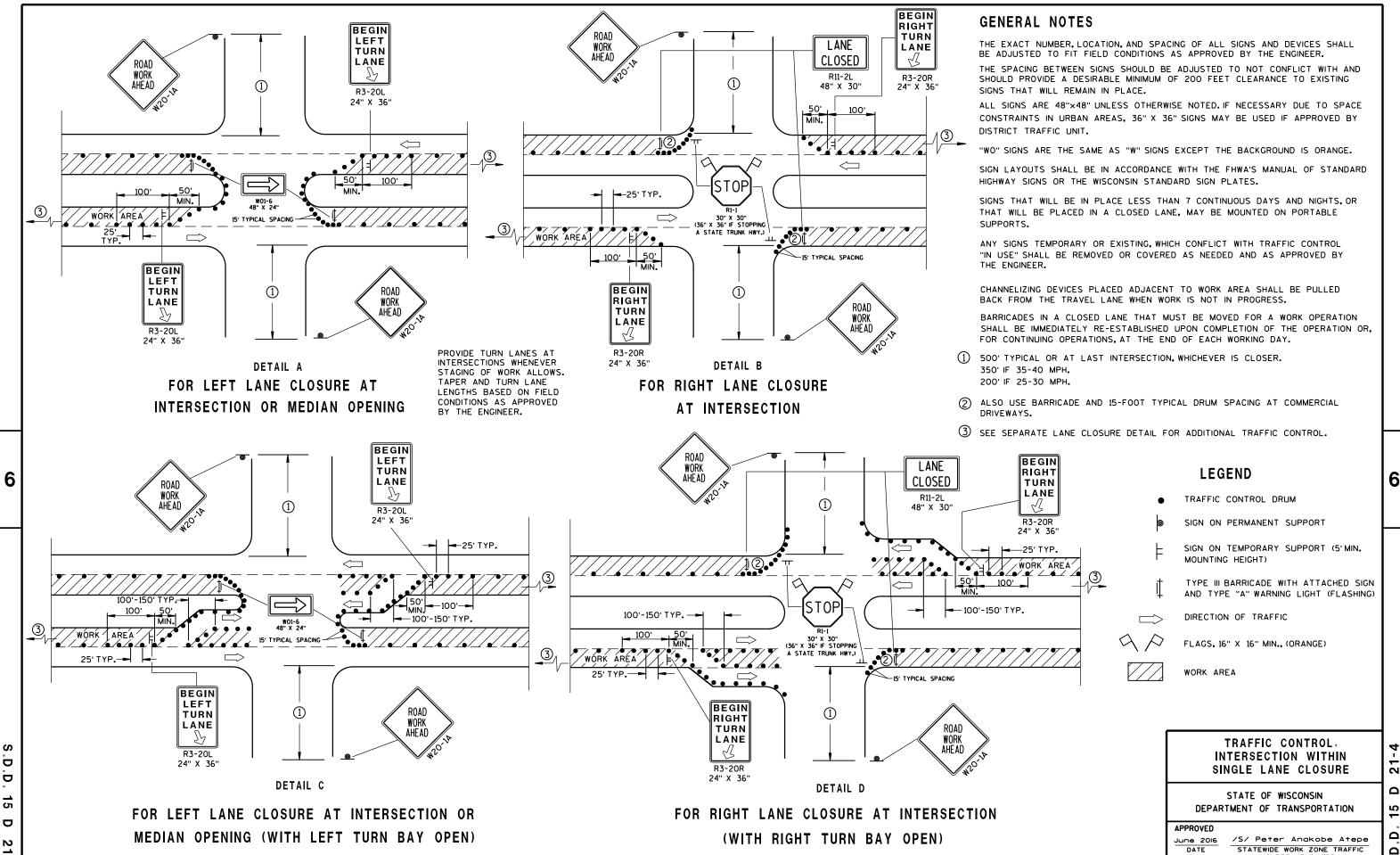
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TYPE III BARRICADE SPACED EVERY 1/4 MILE.

	WORK AREA	
	TRAFFIC CONTROL, Lane Closure	12-6a
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	15 D
1	APPROVED March 2016 /S/ Peter Amakobe Atepe DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER FHWA	S D D



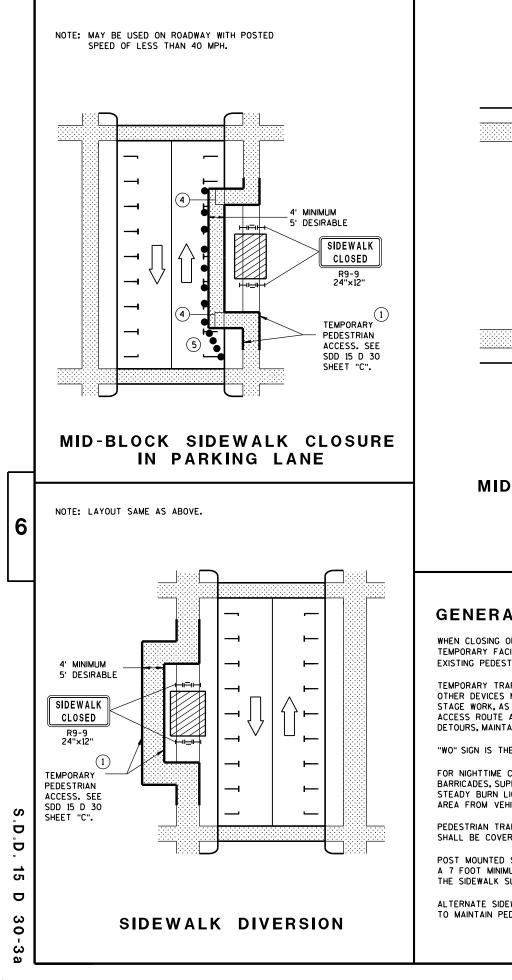
D <mark>1</mark>5 Ν

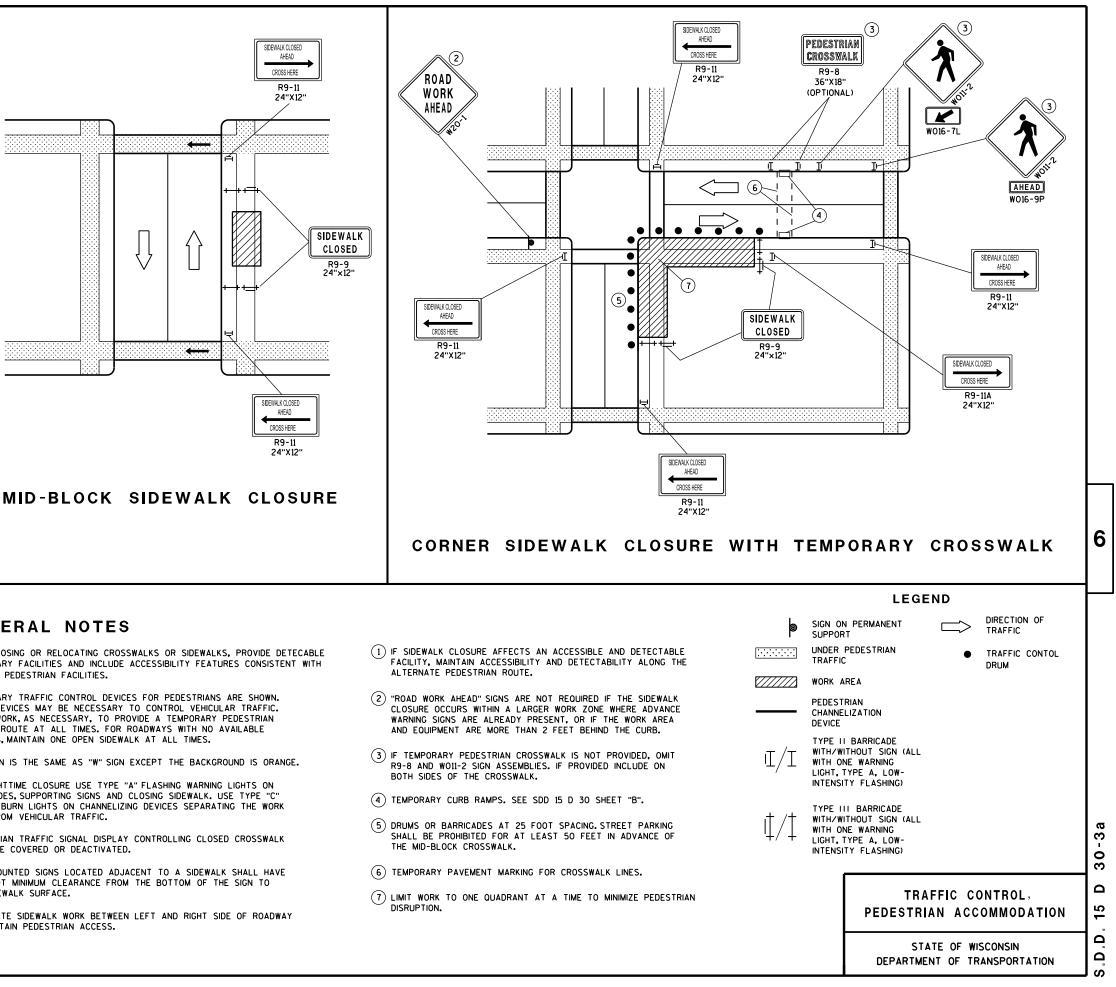
FHWA

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

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GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

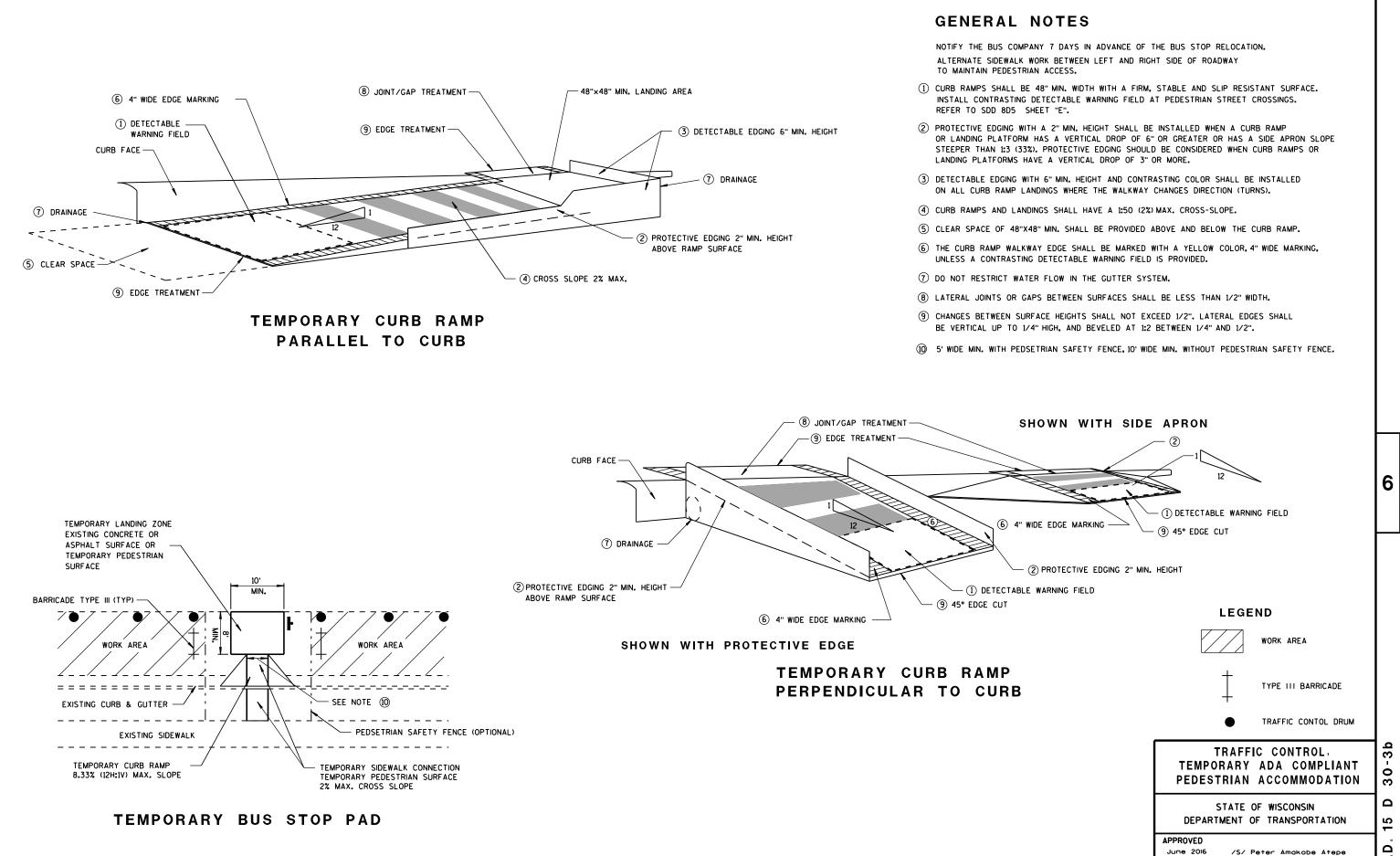
"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.



6

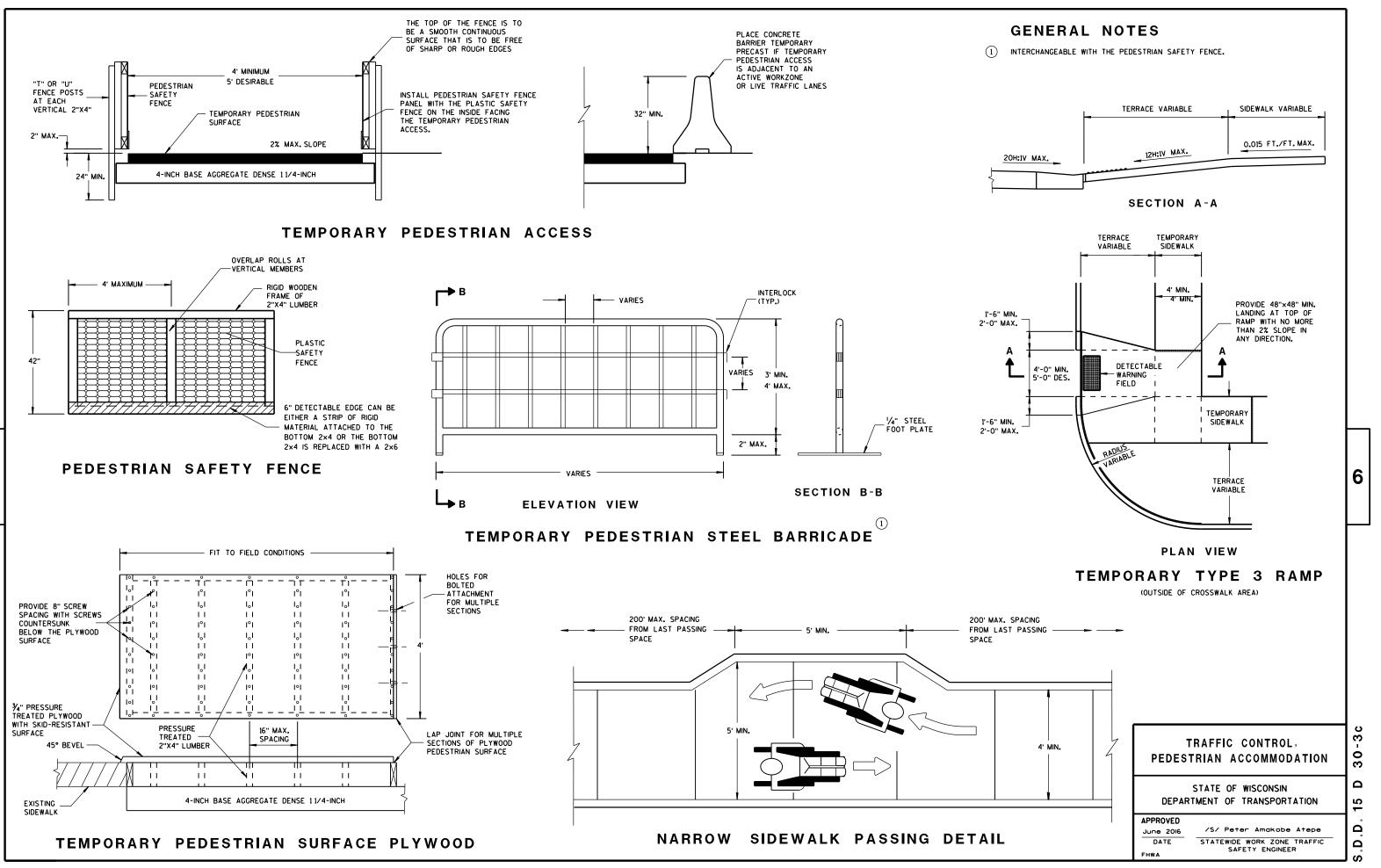
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STATEWIDE WORK ZONE TRAFFIC

SAFETY ENGINEER

DATE

FHWA



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TYPICAL ASSEMBLIES

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North

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J1-2

J2-2

EASI

INTERSTATE

WEST

INTERSTATE





J2-1

J3-1

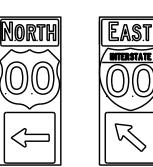
J4-1

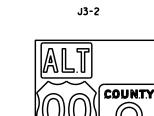
FRONTAGE

ROAD

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J12-1





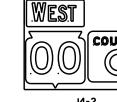
TO

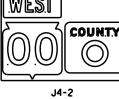
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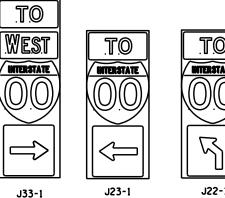
INTERSTATE

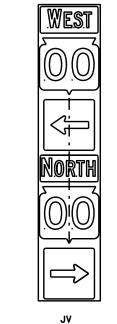
J32-1

J4-2









END

COUNTY

EAST

WES

<u>. J. L.</u>

J1-3

North

J2-3

South

J3-3

<u>v</u>.

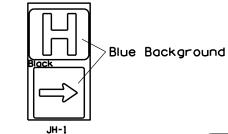
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INTERSTATE

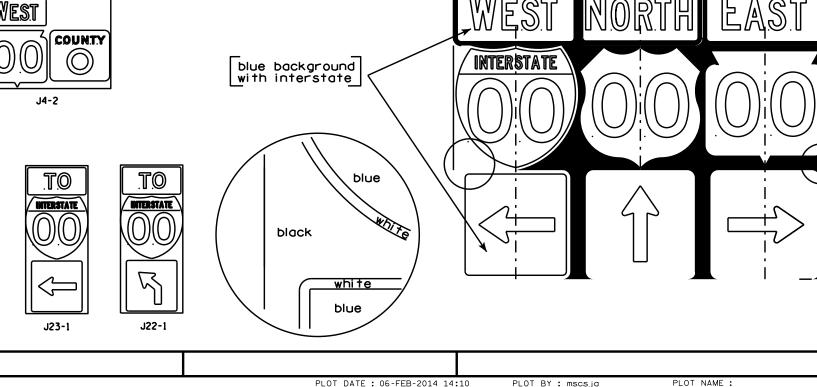
(Typical Vertical J-Assembly See Note 10 and 11)



NOTES

2. Color:

- Background Black Non-reflective Message - see Note 5
- 3. Message Series See Note 5
- material is metal the corners shall be rounded.
- marker shall be blue.
- use multiple piece component.
- the joint shall be between route shields.
- shall be between route shields.
- 10. All Vertical J Assemblies are given a Sign Code of JV



FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN

COUNTY

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J13-1

PROJECT NO:

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

4. Corners shall be square or rounded if base material is plywood. If base

5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.

6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate

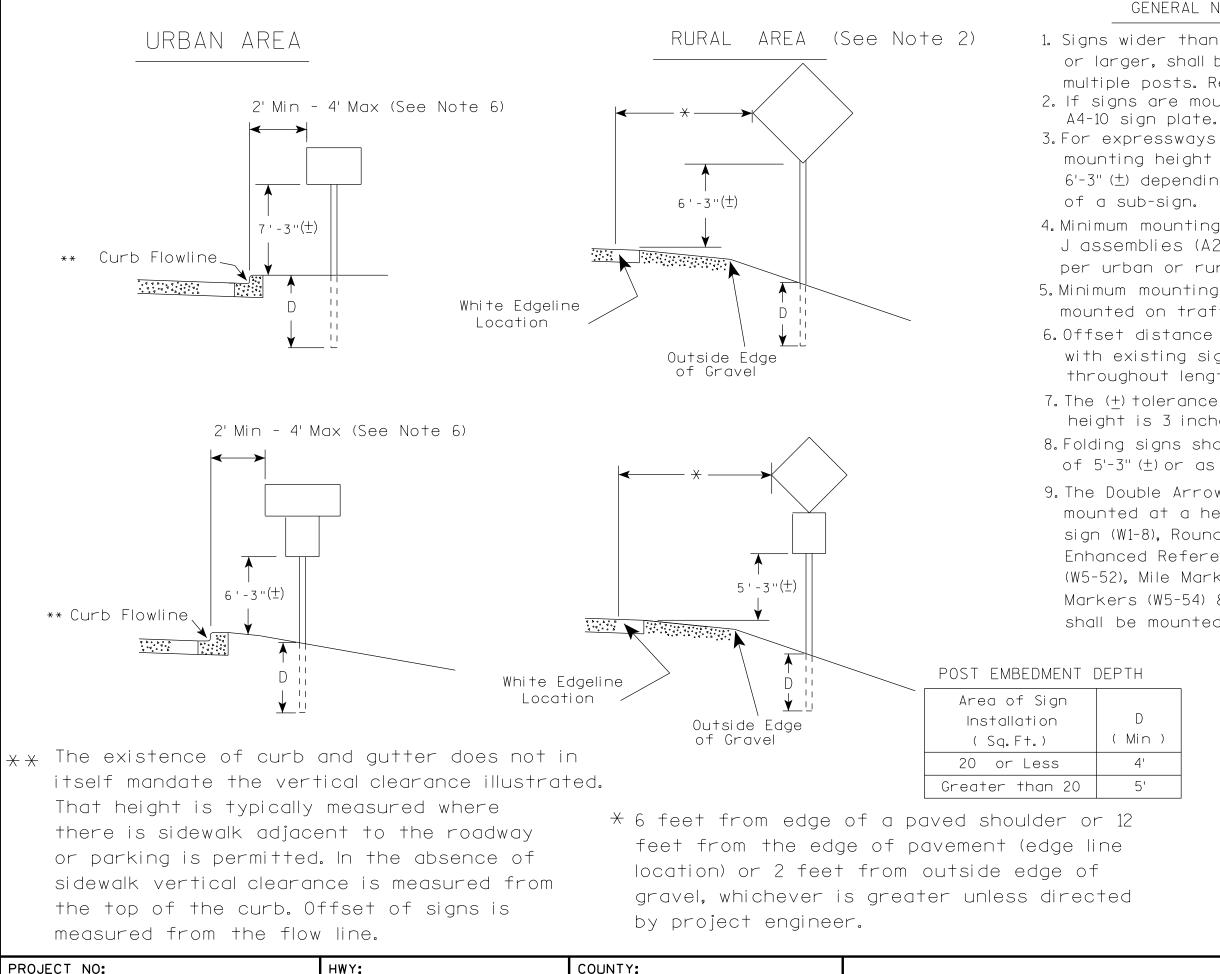
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size

8. Route assemblies that have 24 inch route shields and have dimensions 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

9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint

11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

		L
ST		
	white	ŀ
- -	black background	
∺>	ROUTE MARKERS & COMPONENTS	
	IN TYPICAL ASSEMBLIES	
	WISCONSIN DEPT OF TRANSPORTATION	
	APPROVED Matther & Rauch For state Traffic Engineer	
	DATE 2/06/14 PLATE NO. 42-15.8	
	SHEET NO: E	
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FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

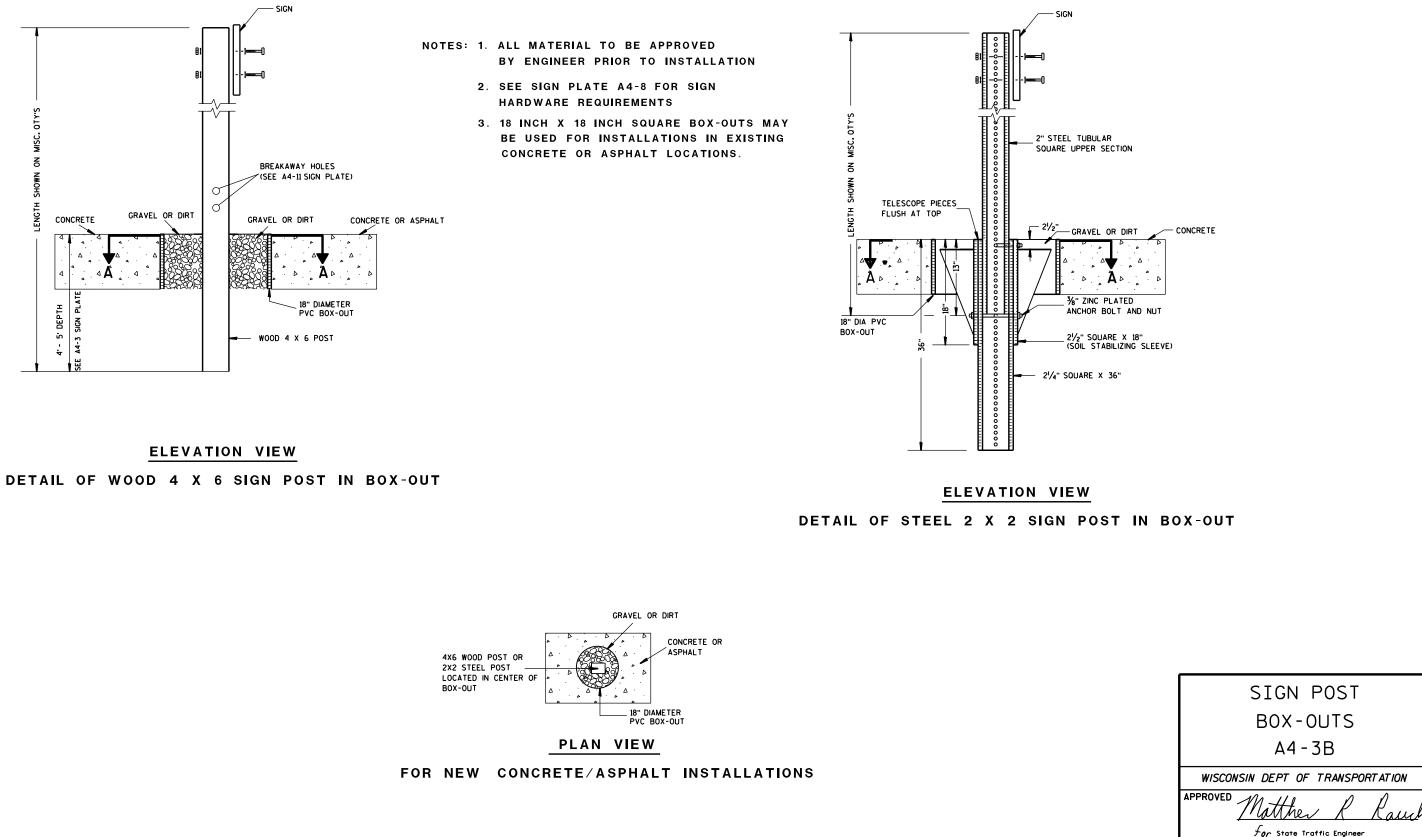
7

PLOT DATE : 23-JUL-2015 15:21 PLOT NAME : PLOT BY : mscj9h

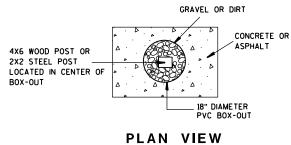
GENERAL NOTES

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 3. For expressways and freeways, mounting height is 7'- 3" (\pm) or $6'-3''(\pm)$ depending upon existence 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'' (±). 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 $4'-3''(\pm)$.

))	
	TYPICAL INSTALLATION
	OF PERMANENT TYPE II
	SIGNS ON SINGLE POSTS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matther & Rauch For state Traffic Engineer
	DATE _7/23/15 PLATE NO44-3.20_
	SHEET NO: E
PLO	DT SCALE : 99.237937:1.000000 WISDOT/CADDS SHEET 42



7



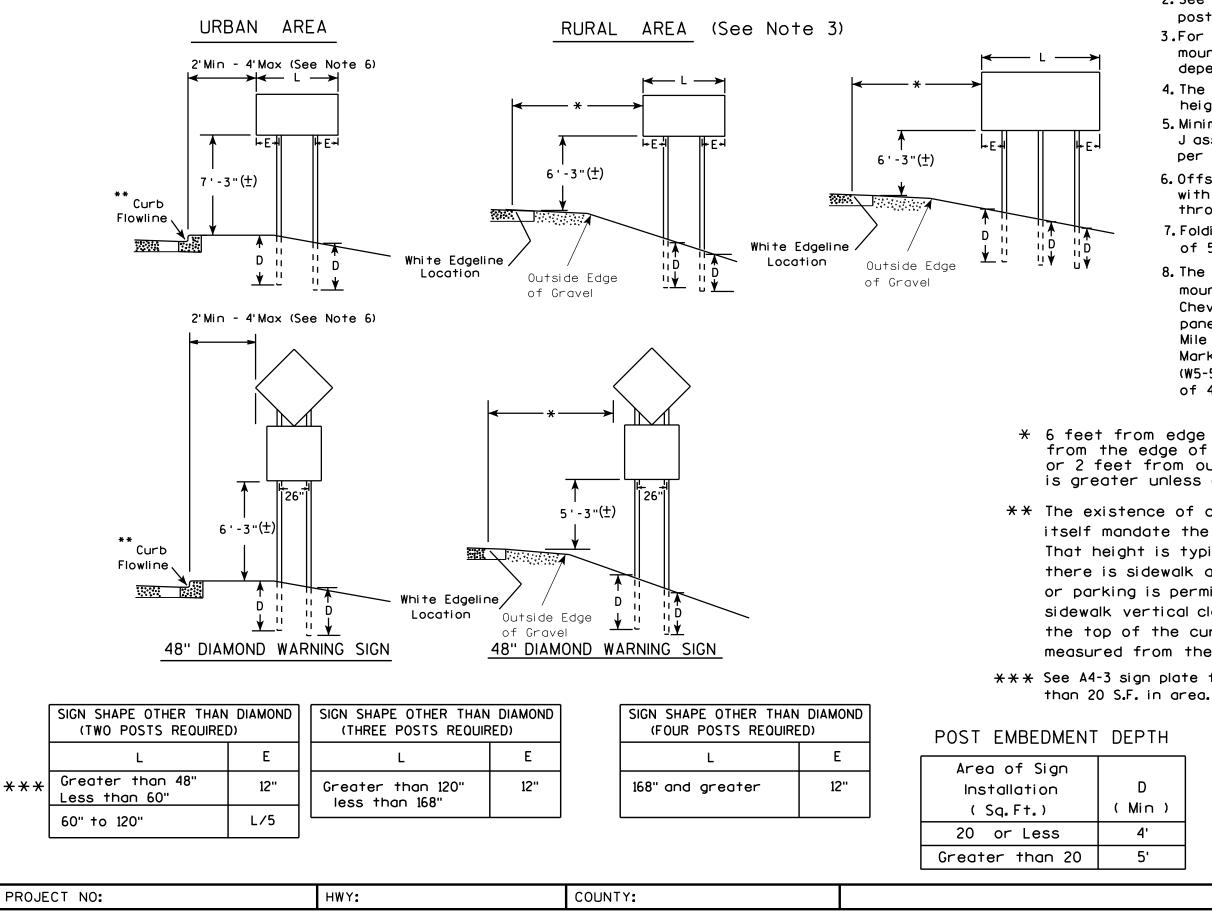
PROJECT NO:	HWY:	COUNTY:				
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN			PLOT DATE : 27-JAN-2014 09:4	8	PLOT BY : mscsja	PLOT NAME :

DATE <u>1/27/14</u>

SHEET NO:

PLATE NO. <u>A4-3B.1</u>

Ε



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

7

PLOT BY : mscj9h PLOT NAME :

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.

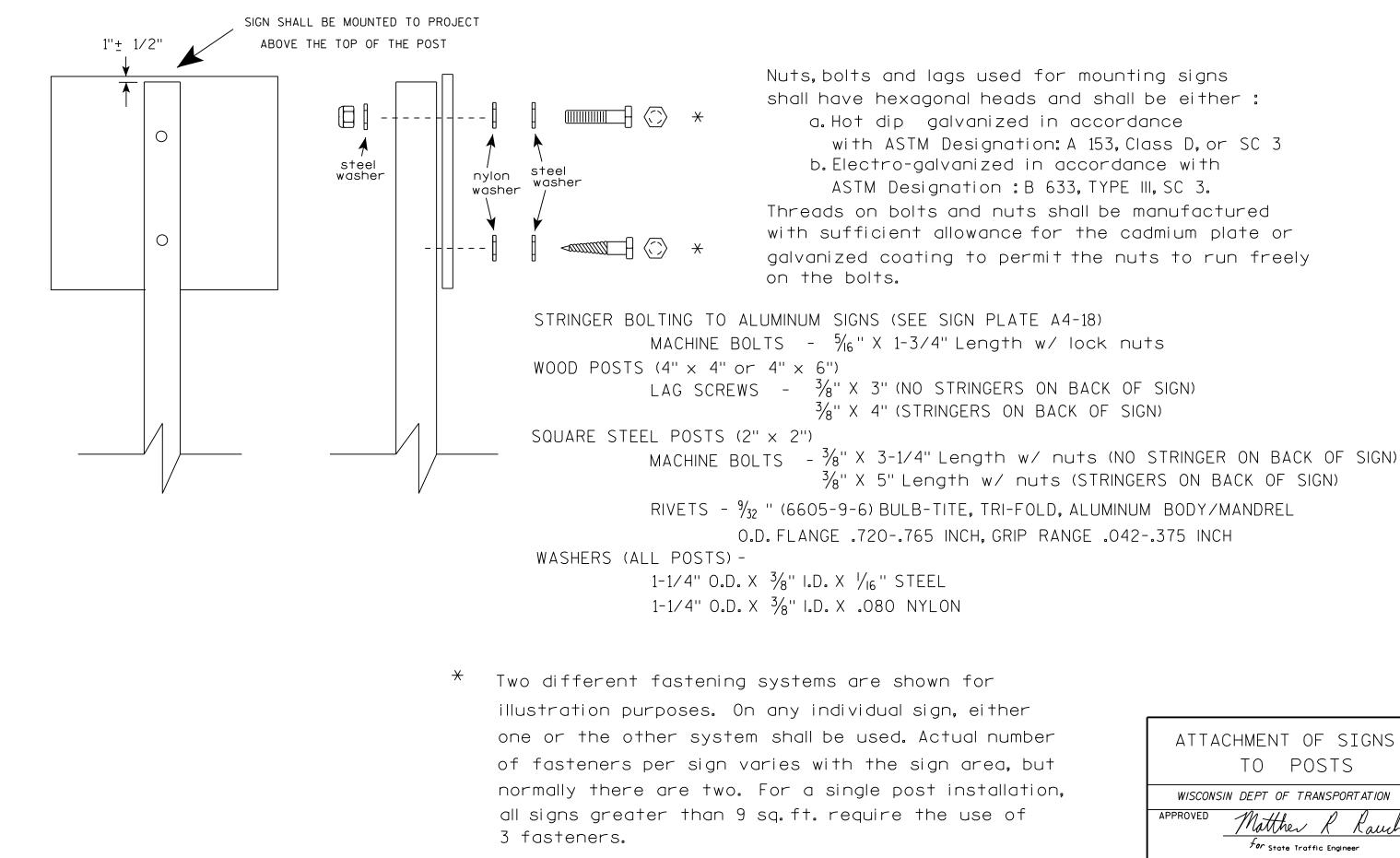
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

7

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

ТН	TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS	
n)	WISCONSIN DEPT OF TRANSPORTATION	
I	APPROVED Matthew R Rauch	
ı	for State Traffic Engineer	
	DATE 7/23/15 PLATE NO. 44-4.14	
	SHEET NO:	E

PLOT DATE : 23-JUL-2015 15:23



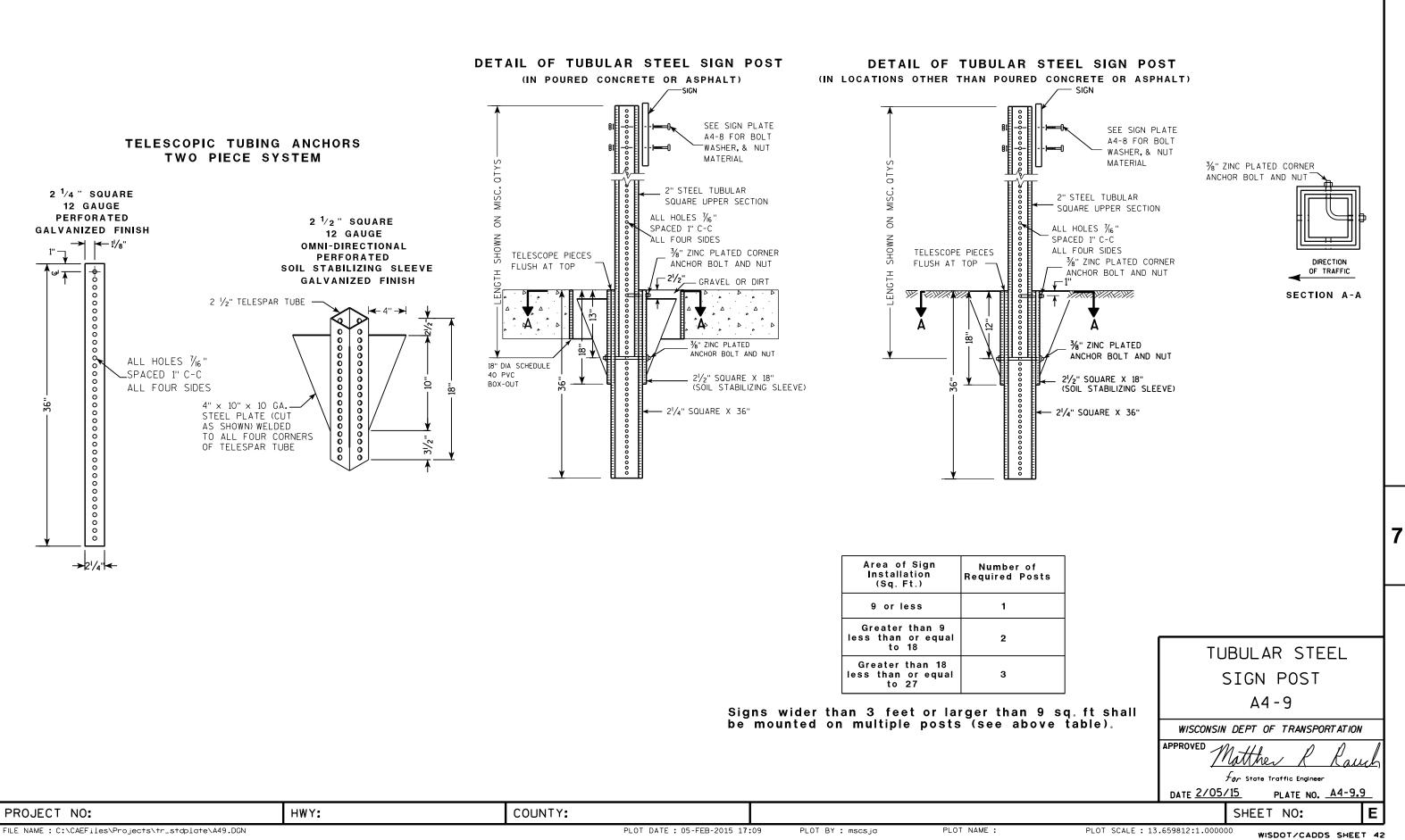
PROJECT NO:

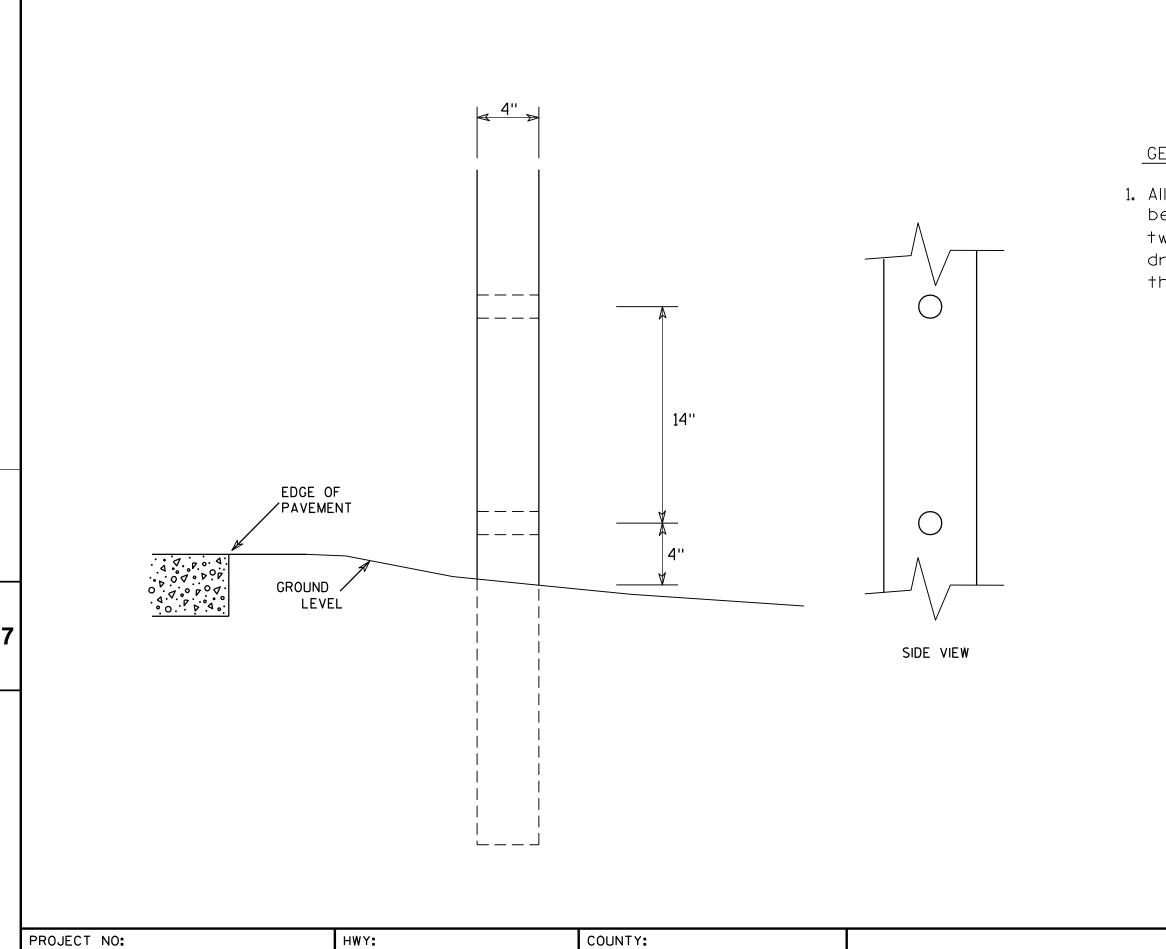
7

with ASTM Designation: A 153, Class D, or SC 3

 $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

er	ATTACHMENT OF SIGNS
1+	TO POSTS
)n,	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew R Rauch
	for State Traffic Engineer
	DATE <u>8/11/16</u> PLATE NO. <u>A4-8.8</u>
	SHEET NO: E



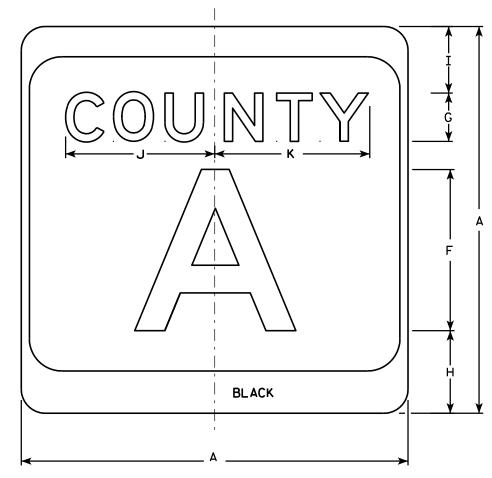


FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN

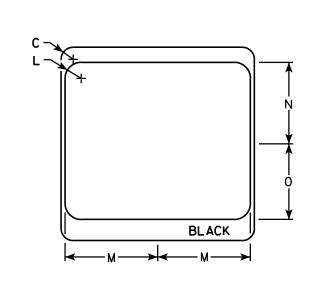
GENERAL NOTES

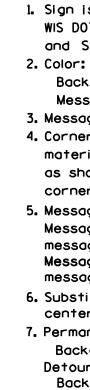
1. All 4 x 6 Wood Posts shall be modified by having two $1\frac{1}{2}$ " diameter holes drilled perpendicular to the roadway centerline.

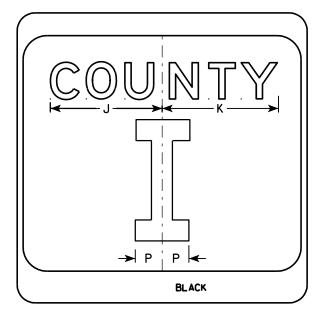
	4	Х	6	WOO	DF	POST	
		MOD	IF	FICA	ΤI	ONS	
	WISC	onsin l	DEF	PT OF T	RANS	PORT AT IO	N
	APPROVE	D		nester .	Γź	Spang	
			tor	State Tr	affic E	ngineer	
	DATE 3	/27/9	<u>17</u>	PLA	TE N	D. <u>44-11</u>	2
				SHEET	N0:		E
OT SCALE	E:6.20 7 33	8:1.0000	000	WISD	от/с	ADDS SHE	ET 42

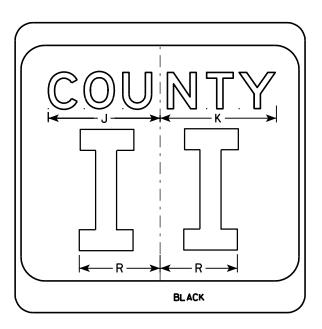












SIZE	Α	В	С	D	E	F	G	н	I	J	ĸ	L	м	N	0	Р	0	R	S	Т	U	v	W	X	Y	
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2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8								
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1⁄4	12 7/8	3	17 1/8	15 1⁄4	14	3 3/8		10								
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1⁄4	12 7/8	3	17 1/8	15 1⁄4	14	3 3/8		10								
5	36		2 1/4			16	4	7 5/8	5 5%	12 1⁄4	12 7/8	3	17 1/8	15 1⁄4	14	3 3/8		10								
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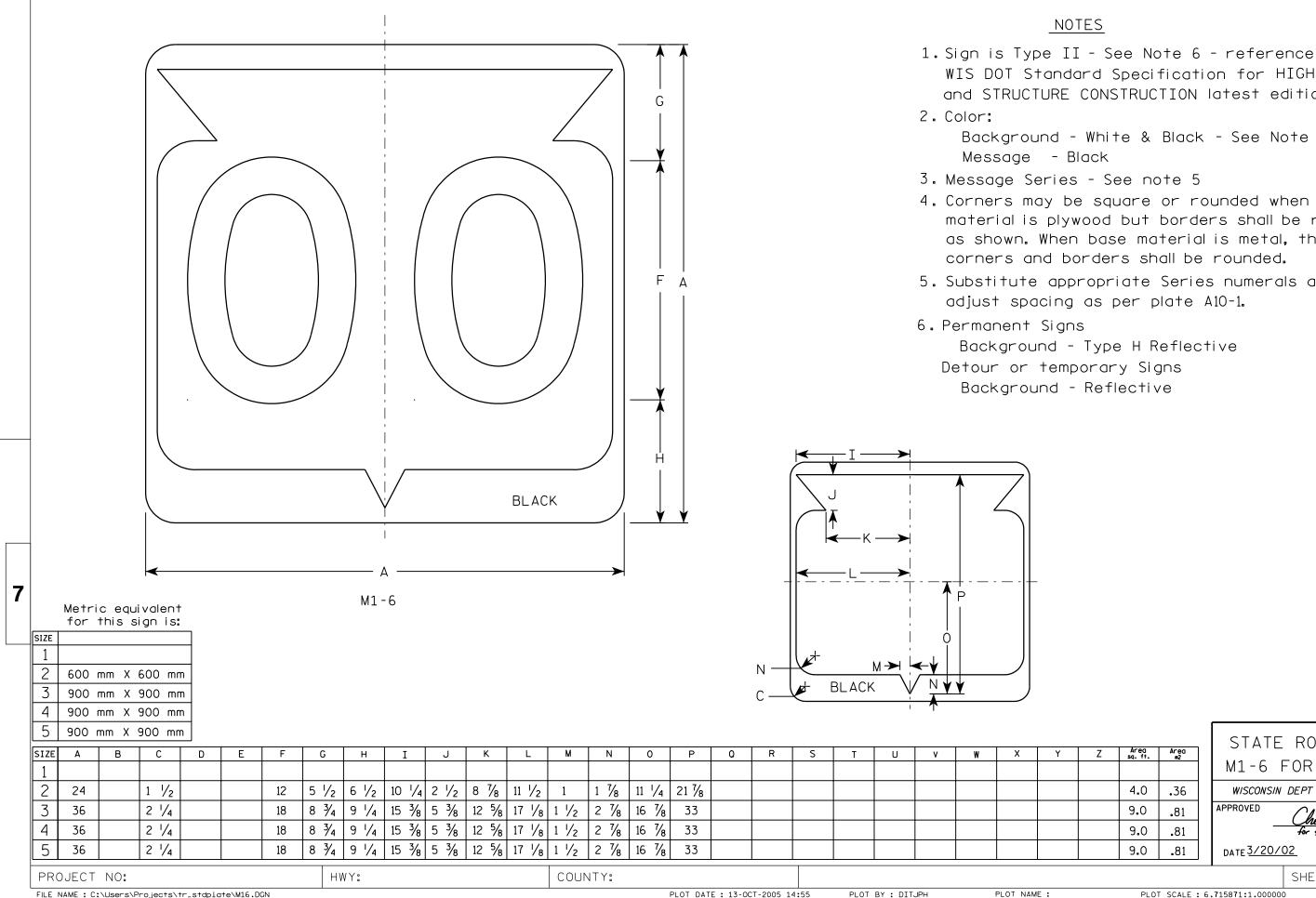
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PLOT DATE : 29-SEP-2011 11:25

NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. Background - White & Black - See Note 7 Message - Black 3. Message Series - see Note 5 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded. 5. Message Series E for 1 letter. Message Series D for 2 letters unless message is too big then Series C. Message Series C for 3 letters unless message is too big then Series B. 6. Substitute appropriate letters & optically center to achieve proper balance. 7. Permanent Signs Background - Type H Reflective Detour or temporary Signs Background - Reflective

Z	Area sq. ft.		CTH N	MARKER		
		M1-5	A FOR	ASSEMBL	IES	5
	4.0	WISCONS	SIN DEPT C	F TRANSPORT	ATION	1
	9.0	APPROVED	M-II		2	/
	9.0			her R R e Traffic Engineer	and	ý
	9.0	DATE 9/2		PLATE NO. MI	-54.8	<u> </u>
			SHEET	N0:		Ε
	DI OT	47.1 000000	\			



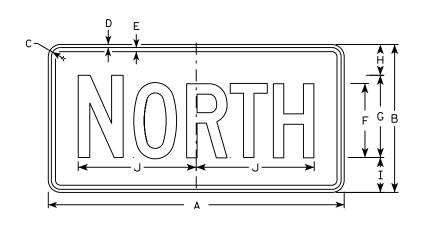
FILE NAME : C:\Users\Projects\tr_stdplate\M16.DGN

PLOT NAME :

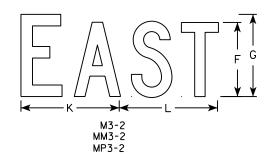
WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. Background - White & Black - See Note 6 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded. 5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1. Background - Type H Reflective

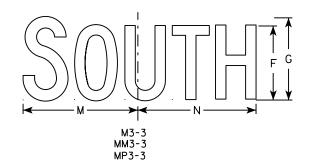
Z	Area sq. ft.	Area m2	STATE ROUTE MARKER M1-6 FOR ASSEMBLIES
	4.0	.36	WISCONSIN DEPT OF TRANSPORTATION
	9.0	.81	APPROVED J Spany
	9.0	.81	for State Traffic Engineer
	9.0	.81	DATE 3/20/02 PLATE NO. M1-6.9
			SHEET NO: E

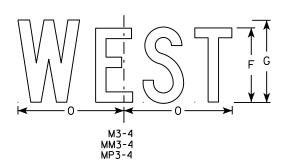
PLOT DATE : 13-0CT-2005 14:55











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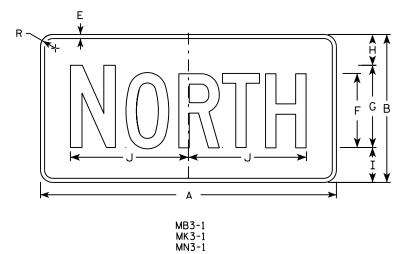
Е

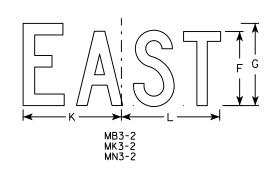
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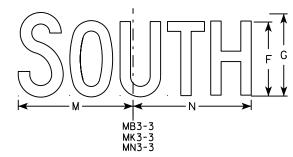
1/2

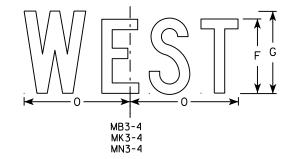
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- All Signs Type I
 Color:
 - Background -Message - Se
- 3. Message Series
- 4. Corners may be material is plyw as shown. When corners and bo
- 5. M3-1 thru M3-4

MB3-1 thru MB3.

- MK3-1 thru MK3-
- MM3-1 thru MM3-
- MN3-1 thru MN3-
- MP3-1 thru MP3
- 6. Note the first than the remai

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PLAT DATE . AL-DEC-2015 17.54 PLAT RY . \$\$ Diatuser \$\$ PLAT NAME :

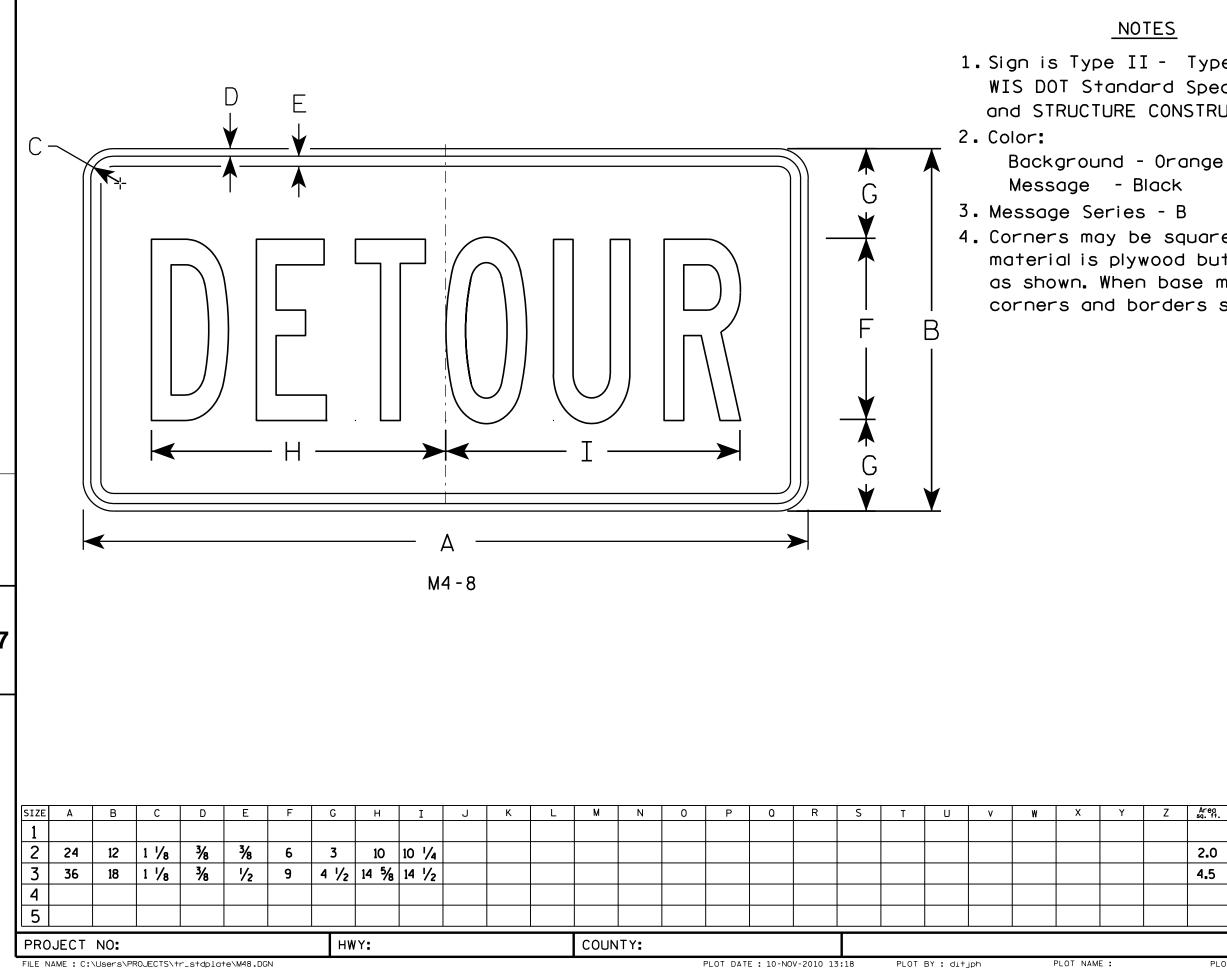
U

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<u>TES</u> II - Type H
See note 5 See note 5 s - C e square or rounded when base wood but borders shall be rounded n base material is metal, the orders shall be rounded.
Background - White Message - Black -4 Background - Blue Message - White
-4 Background - Green
Message - White -4 Background - White
Message - Green -4 Background - Brown
Message - White -4 Background - White
Message – Blue t letter of each direction is larger inder of the message.

		STANDARD SIGNS
Z	Area sq. ft.	M3-1thur M3-4
		SERIES
	2.00	WISCONSIN DEPT OF TRANSPORTATION
	4.5	APPROVED Matthew P Paul
	4.5	for State Traffic Engineer
	4.5	DATE 10/15/15 PLATE NO. M3-1.14
		SHEET NO:

-



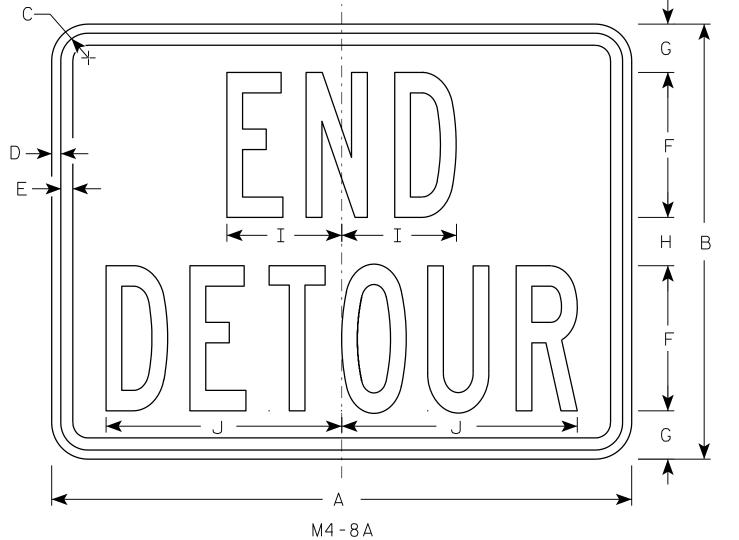
1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

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.

Z Area sq. ft.	STANDARD SIGN							
<u> </u>	M4 - 8							
2.0	WISCONSIN DEPT OF TRANSPORTATION							
4.5	APPROVED Matthew & Rauch							
	⁵⁰ state Traffic Engineer DATE <u>11/10/10</u> PLATE NO. <u>M4-8.2</u>							
	SHEET NO: E							
PLOT SCALE : 4	.767233:1.000000 WISDOT/CADDS SHEET 42							



- WIS DOT Standard and STRUCTURE CON
- 2. Color:
 - Background Or Message – Black
- 3. Message Series -
- 4. Corners may be so material is plywood as shown. When ba corners and borde

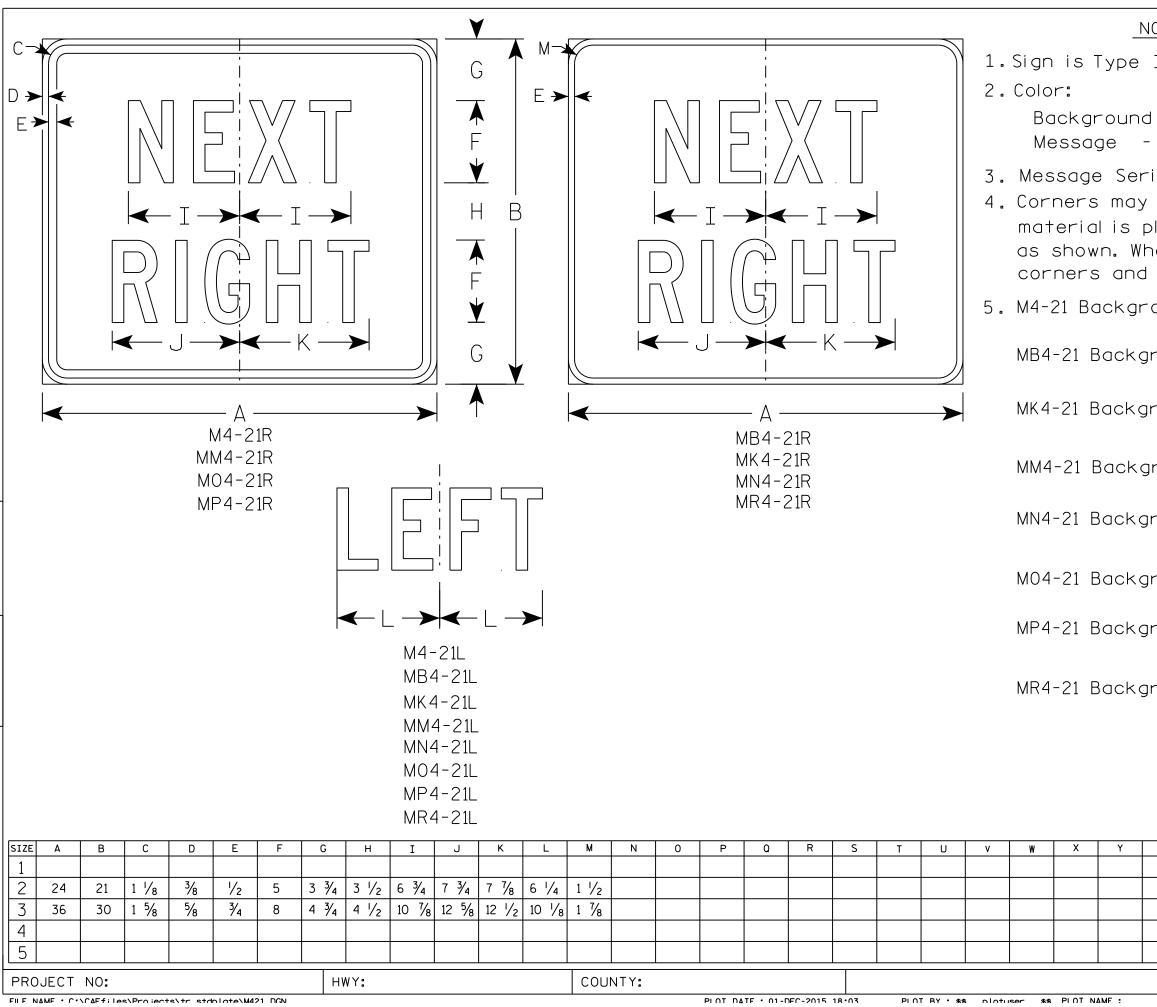


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ZE	A	В	С	D	E	F	G	Н	I	J	К	L	м	N	0	Р	0	R	S	Т	U	v	W	X	Y
2	24	18	1 1/8	3⁄8	1/2	6	2	2	4 3⁄4	9 3⁄4															
3	30	24	1 1/8	3⁄8	1/2	8	2 1/2	3	6 3⁄4	13															
5																									

NOTES

Specificatio	ective - reference on for HIGHWAY latest edition.
ange <	
d but borde	unded when base rs shall be rounded is metal, the rounded.
	-
	STANDARD SIGN
Z Area sq. ft.	M4 - 8 A
3.0	WISCONSIN DEPT OF TRANSPORTATION
5.0	Matther R Rauch
	DATE <u>3/9/11</u> PLATE NO. <u>M4-8A.2</u>
	SHEET NO: E
PLOT SCALE :	3.972696:1.000000 WISDOT/CADDS SHEET 42



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PLOT DATE . 01-DEC-2015 18.03

NOTES
II - Type H except as Shown
d - See note 5 - See note 5
ries - C be square or rounded when base blywood but borders shall be rounded hen base material is metal, the I borders shall be rounded.
ound – White Message – Black
pround - Blue Message - White
pround - Green Message - White
ground - White Message - Green
pround - Brown Message - White
pround – Orange – Type F Reflective Message – Black
pround - White Message - Blue
pround – Brown Message – Yellow
STANDARD SIGN
Z Area sq. ft. M4 - 21
3.5 WISCONSIN DEPT OF TRANSPORTATION

7.5

APPROVED

DATE <u>10/15/15</u>

Matther

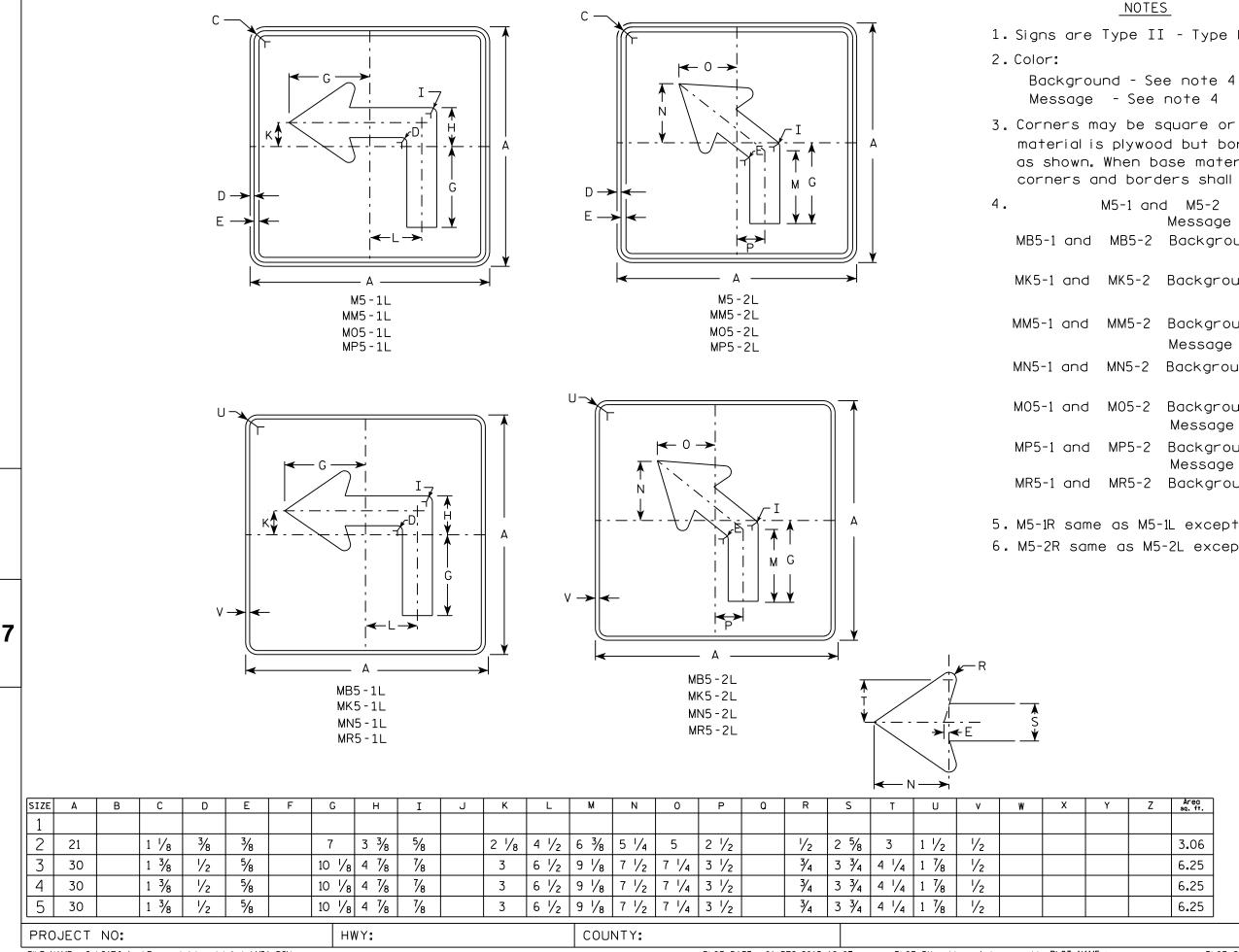
for State Traffic Engineer

SHEET NO:

Rauch

Ε

PLATE NO. <u>M4-21.4</u>



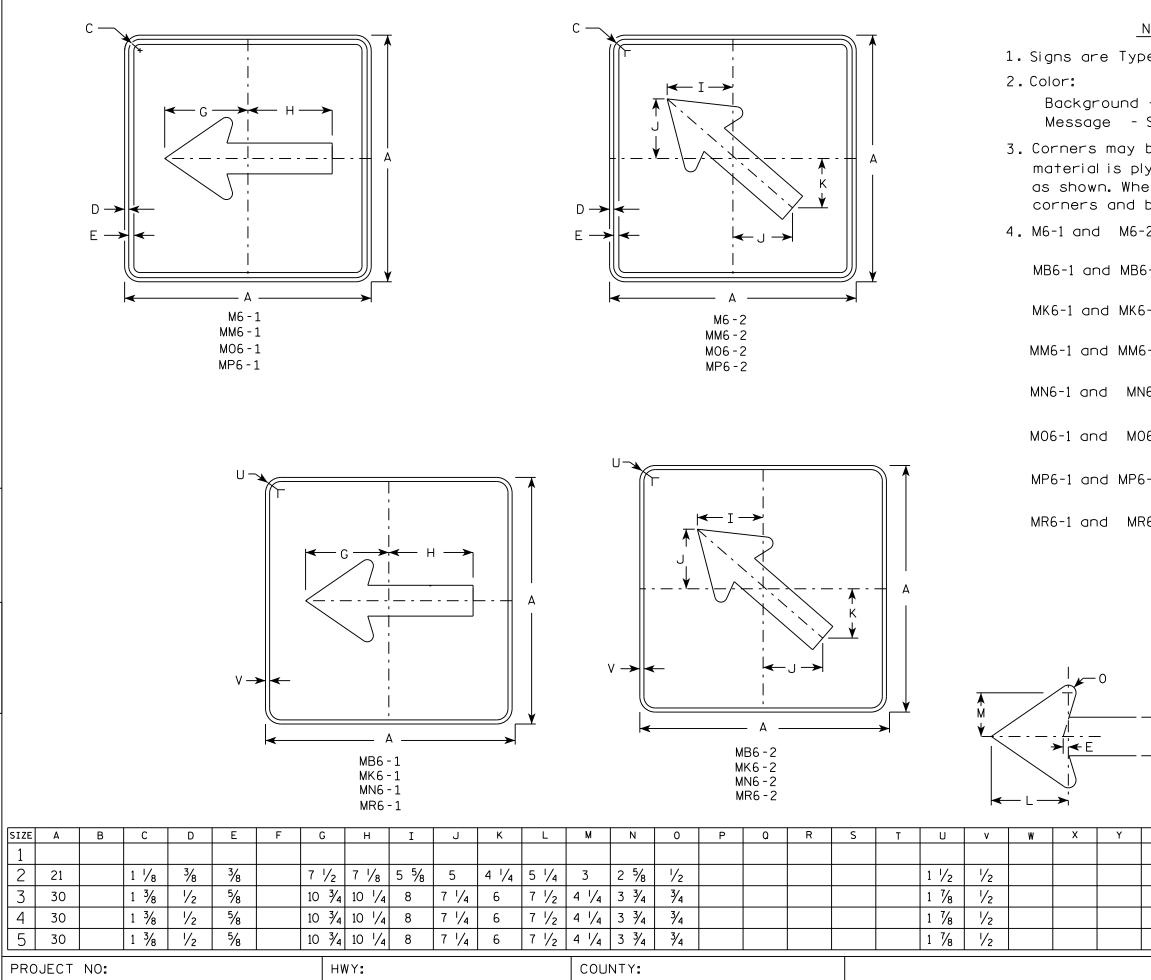
FILE NAME . C.\CAEfiles\Projects\tr_stdplate\M51 DGN

PLOT DATE . 01-DEC-2015 18.07

PLOT BY . \$\$ DIOTUSER \$\$ PLOT NAME :

```
NOTES
1. Signs are Type II - Type H reflective except as shown
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.
            M5-1 and M5-2
                             Background - White
                    Message - Black
  MB5-1 and MB5-2 Background - Blue
                              Message - White
  MK5-1 and MK5-2 Background - Green
                             Message - White
  MM5-1 and MM5-2 Background - White
                    Message - Green
  MN5-1 and MN5-2 Background - Brown
                             Message - White
  M05-1 and M05-2 Background - Orange - Type F Reflective
                    Message - Black
  MP5-1 and MP5-2 Background - White - Type H Reflective
                    Message - Blue
  MR5-1 and MR5-2 Background - Brown
                             Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.
```

	Aree	STA		ND SIGN	1	
Z	Area sq. ft.	М	5-1 8	& M5-2		
	3.06	WISCONSIN	DEPT OF	TRANSPORT	ATION	
	6.25	APPROVED	Matthe	r R Ra		1
	6.25	<u>ــــــــــــــــــــــــــــــــــــ</u>		Traffic Engineer	MA	<u> </u>
	6.25	DATE <u>10/15</u> /		PLATE NO. ME	5-1.13	
			SHEET	NO:		Ε



FILE NAME · C·\CAEfiles\Projects\tr_stdplate\M61_DCN

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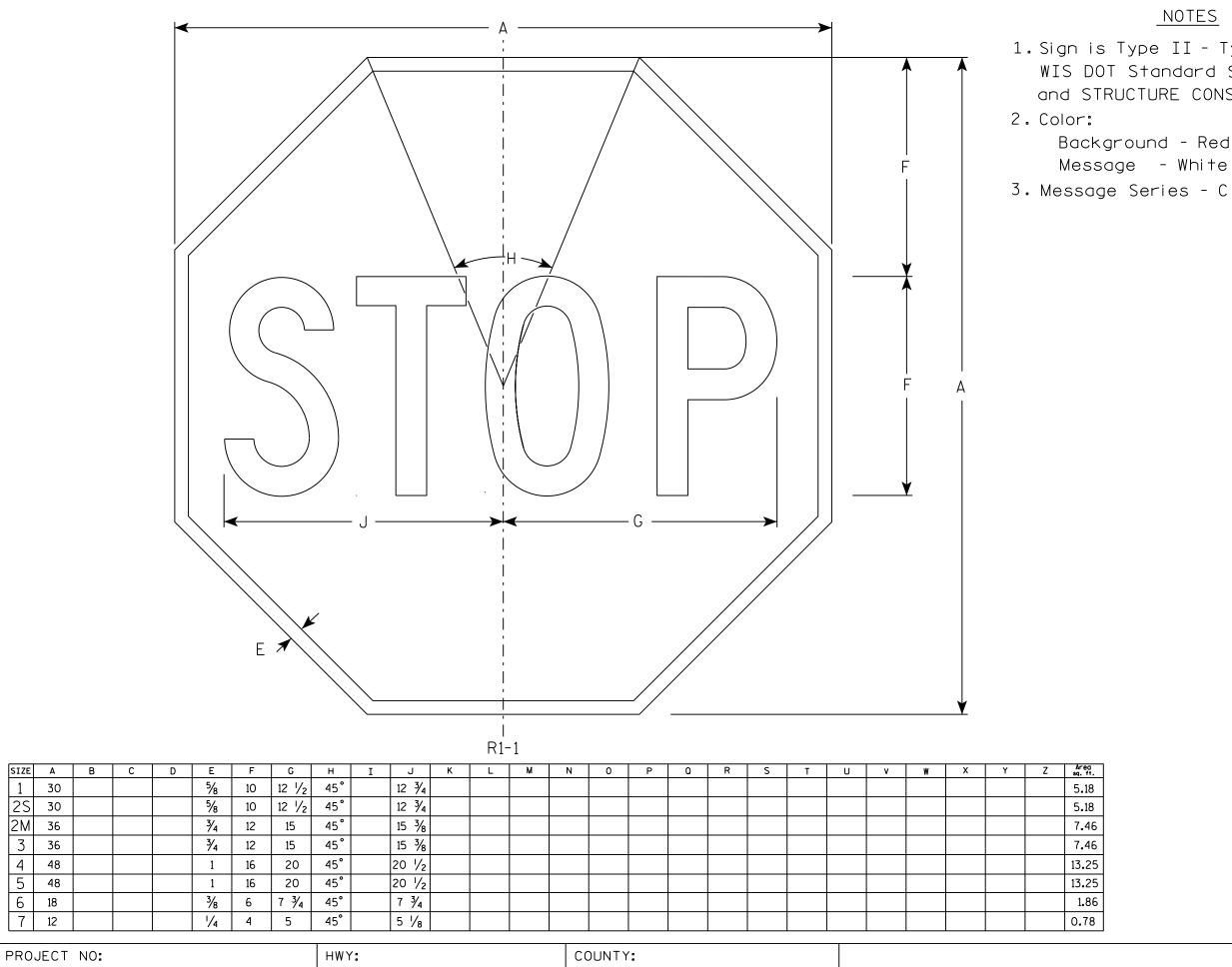
PINT DATE . 01-DEC-2015 17.57 PINT RY . \$\$ 010

PLOT BY . \$\$ DIOTUSER \$\$ PLOT NAME :

NOTES
e II - Type H except as Shown
- See note 4 See note 4
be square or rounded when base ywood but borders shall be rounded en base material is metal, the borders shall be rounded.
2 Background – White Message – Black
5-2 Background - Blue Message - White
-2 Background - Green Message - White
-2 Background - White Message - Green
6-2 Background - Brown Message - White
6-2 Background - Orange - Type F Reflective Message - Black
-2 Background - White Message - Blue
6-2 Background – Brown Message – Yellow

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Z	Årea sq. ft.		5-1 8	RD SIC (M6-2 RIES		
	3.06	WISCONSIN	DEPT OF	TRANSPOR	RTATION	r
	6.25	APPROVED	Matthe	, P M	0	1
	6.25			Traffic Engineer	- autor	,
	6.25	DATE <u>10/15</u> .	/15	PLATE NO	M6-1.1	5
			SHEET	NO:		Ε



FILE NAME · C·\CAEfiles\Projects\tr_stdplate\R11_DGN

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SIZE A

2S 30

2M 36

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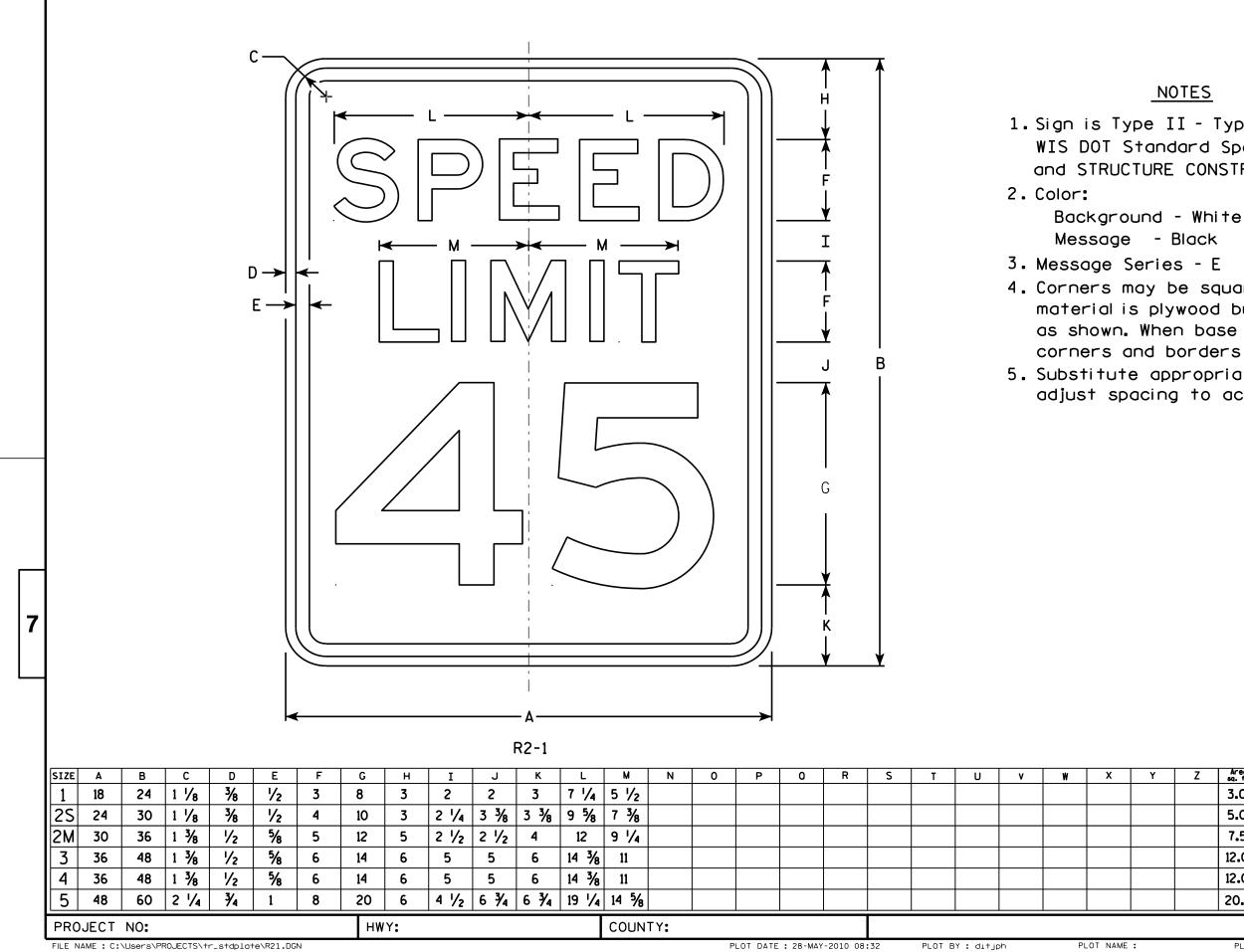
7

NOTES

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

Message - White

STANDARD SI	IGN	
R1-1		
WISCONSIN DEPT OF TRANS	PORTATION	
APPROVED Matther R	Rauc	h
<i>for</i> State Traffic En	gineer	
DATE <u>11/12/15</u> PLATE N	o. <u>R1-1.1</u>	3
SHEET NO:		Ε

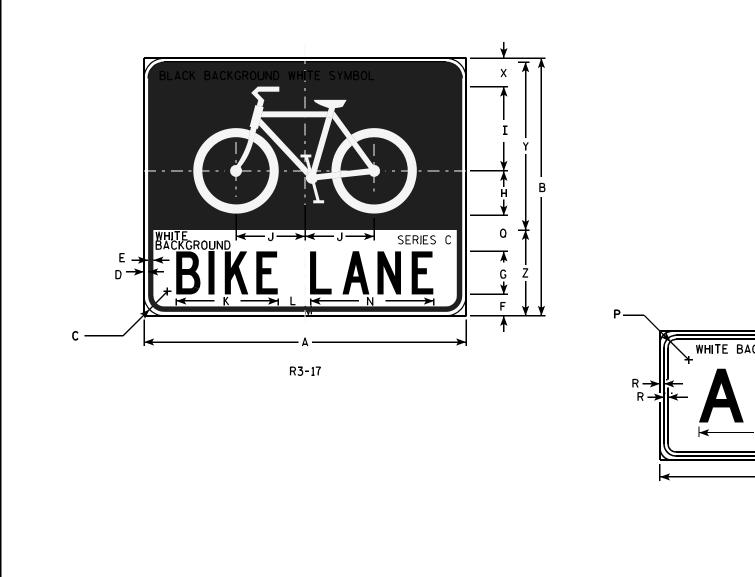


1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

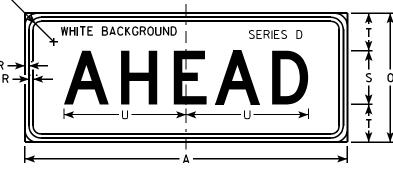
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal. the corners and borders shall be rounded. 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

	4700	
Z	Areo sq. ft.	
	3.0	STANDARD SIGN
	5.0	R2 - 1
	7.5	WISCONSIN DEPT OF TRANSPORTATION
	12.0	APPROVED Matther R Rauch
	12.0	For State Traffic Engineer
	20.0	DATE 5/26/10 PLATE NO. R2-1.13
		SHEET NO: E

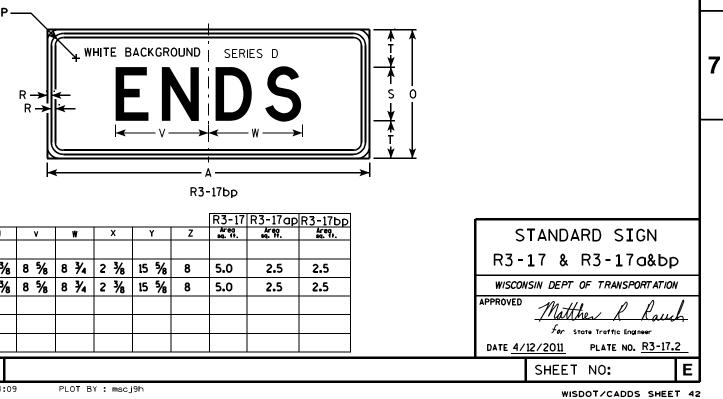
WISDOT/CADDS SHEET 42



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color: Background - AS SHOWN
- Message BLACK
- 3. Message Series C or as noted on the Signs.
 - material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



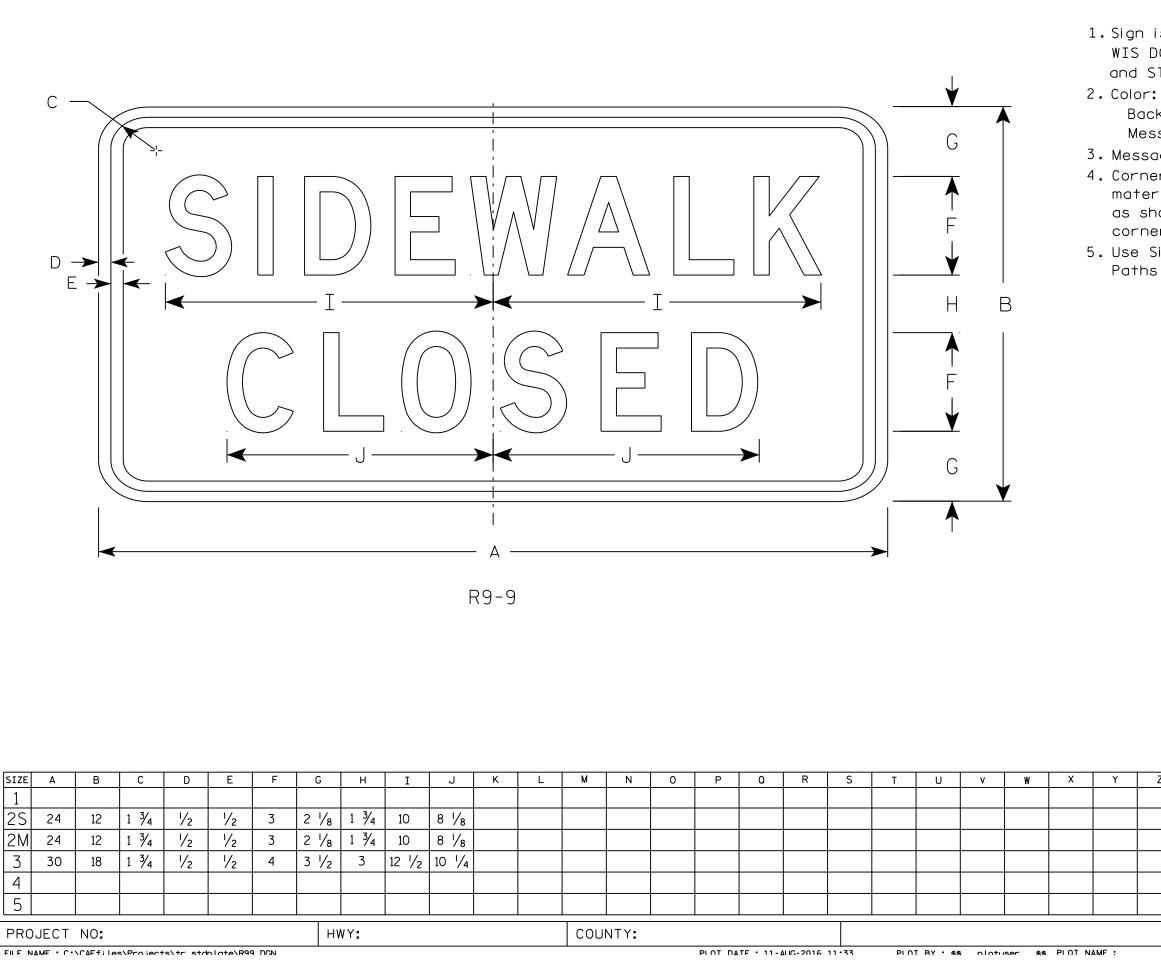
R3-17ap



																											R3-17	(R3-17ap	R3
SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	Ŵ	X	Y	Z	Area sq. ft.	Area sq. it.	
1																													
2S	30	<u>2</u> 4	1 1/8	3⁄8	1/2	2	4	4 ½	7 7/8	6 3/8	9 ½	2 5/8	7∕8	13	12	1 1/8	3 3/8	3⁄8	5	3 ½	11 3/8	8 5/8	8 ¾	2 3/8	15 5%	8	5.0	2.5	
2M	30	24	1 1/8	3⁄8	1/2	2	4	4 1⁄8	7 1/8	6 3/8	9 ½	2 5/8	7∕8	13	12	1 1/8	3 3/8	3%	5	3 1/2	11 3/8	8 5/8	8 ¾	2 3/8	15 5/8	8	5.0	2.5	
3																													
4																													
5																													
PRO	JECI	NO:																											
FILE N	IAME : C	CAEF.	iles\Pro	jects\tr	stoplo	ote∖R317	.DGN											PLOT D	ATE : 02	2-APR-20	13 14:09	9	PLOT B	Y : msc	j9h				

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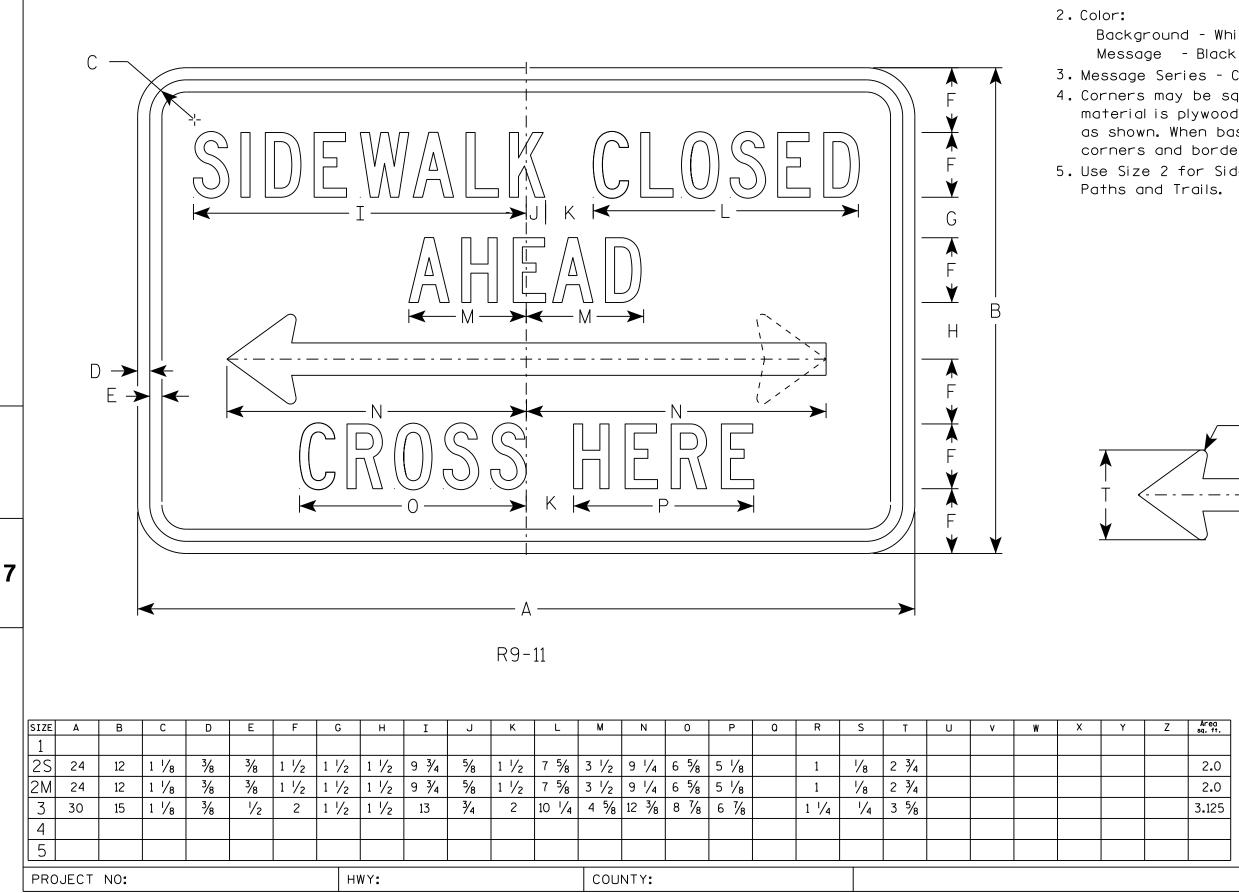
4. Corners may be square or rounded when base



NOTES

 Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
 Color: Background - White Message - Black
 Message Series - C
 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.
 Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

Z	Area sq. ft.	STA) SIGN	
	2.0		R9 -	9	
	2.0	WICCONCIN		TRANSPORTATIO	
	2.0		DEFIOR		//v
	3.75	APPROVED 2	Natther	R Rain	6
			for State Tr	affic Engineer	
		DATE <u>8/11/1</u>	<u>6</u> PL	ATE NO	9.6
			SHEET	NO:	E



FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R911.DGN

PLOT DATE : 01-DEC-2016 11:45

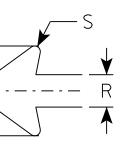
PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

NOTES

1. Sign is Type II - Type H Reflective

Background - White

3. Message Series - C except Size 1 is 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. Use Size 2 for Sidewalks. Use Size 3 for

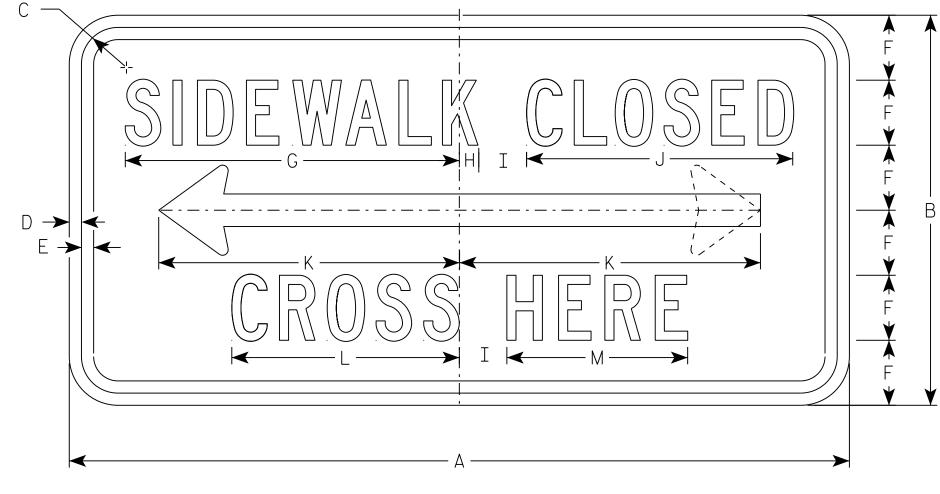


Area sq. ft.	STANDARD SIGN R9-11
2.0	WISCONSIN DEPT OF TRANSPORTATION
2.0	
3.125	APPROVED Matther R Rauch For State Traffic Engineer
	DATE <u>11/29/16</u> PLATE NO. <u>R9-11.3</u>
	SHEET NO: E
PL OT	SCALE • 5 927195•1 000000

PLOT SCALE : 5.927195:1.000000

WISDOT/CADDS SHEET 42

SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	М	N	0	P	0	R	S	Т	U	v	w	x	Y	
1																										
2S	24	12	1 1/8	3⁄8	3⁄8	2	10 1/4	5⁄8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8										
2M	24	12	1 1/8	3⁄8	3⁄8	2	10 1/4	5⁄8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8										
3	30	15	1 1/8	3⁄8	1/2	2	13	∛4	2	10 1/4	12 3/8	8 7/8	6 1/8	1 1/4	3 5/8	1/4										
4																										
5																										
PRO	JECT	NO:					HV	VY:					COUI	NTY:												
FILE N	AME : C:	\CAEfile	es\Project	ts\tr_std	iplate∖R9	11A.DGN										PLOT D	ATE : 01-1	DEC-2016	11:44	PLO	T BY : \$	\$plotu	Jser\$\$	PLOT N	AME :	



R9-11A

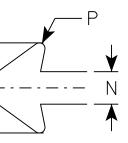
7

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

0

Background - White Message – Black 3. Message Series - C 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded. 5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.

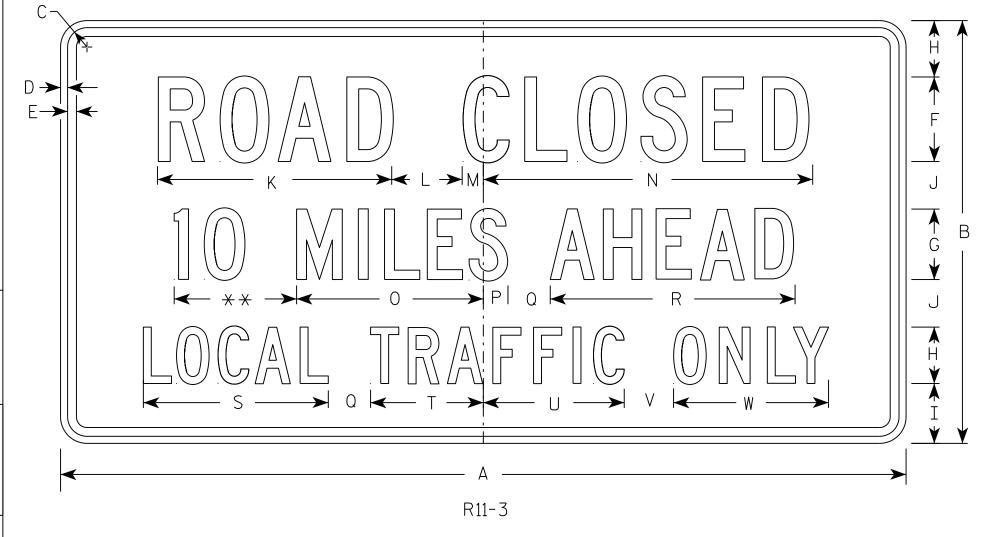
NOTES



Z	Area	ו	STANDARD SIGN
2	sq. ft.		R9-11A
	2.0		WISCONSIN DEPT OF TRANSPORTATION
	2.0		
			APPROVED MA 1/A A
	3.125		Matthew & Rauch
			For State Traffic Engineer
		J	DATE <u>11/29/16</u> PLATE NO. <u>R9-11A.3</u>
			SHEET NO: E
	Р	LOT SCAL	E : 5.904805:1.000000 WISDOT/CADDS SHEET 42

NOTES 1. Sign is Type II - Type H Reflective 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded. 5. Substitute appropriate numerals to nearest quarter

- 2. Color: Background - White Message – Black
- 3. Message Series C
- mile and optically adjust spacing to achieve proper balance.



^{**} See Note 5

		60 30 1 3 / ₈ ¹ / ₂ 5 / ₈ 6 5 4 4 ¹ / ₄ 3 ³ / ₈ 16 ⁵ / ₈ 5 1 ¹ / ₂																									
SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	м	N	0	Р	Q	R	S	Т	U	v	W	Х	Y	Z	Ĺ
1	36	18	1 3/8	1/2	5⁄8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3⁄4	8 3/8	4 ¾	6 1⁄2	2	6 ³ ⁄4				
25	60	30	1 3/8	1/2	5⁄8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3⁄4	3	17 3/8	13 1/8	8	10	3 1/2	11				
2M	60	30	1 3/8	1/2	5⁄8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3⁄4	3	17 3/8	13 1/8	8	10	3 1/2	11				
3																											
4																											
5																											
PR	DJECT	NO:						HWY:					С	OUNTY	` •												-
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FILE NAME · C·\CAEfiles\Projects\tr_stdplate\R113_DGN

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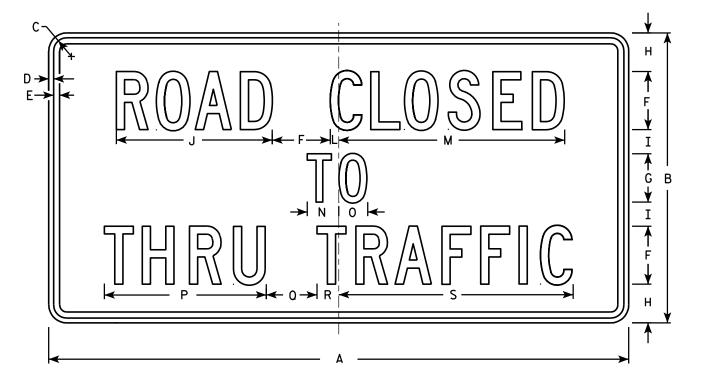
PLOT DATE . 28-. ... -2016 16.25

Area sq. ft.	S	TANDAF	RD SIGN	
4.5 12.5		R1	1-3	
12.5	WISCON: APPROVED		er R Rauch	N /
	DATE <u>7/2</u>	For stat	e Traffic Engineer PLATE NO. <u>R11-3.</u>	, <u>7</u>
		SHEET	NO:	E

- 2. Color:

Background - White Message - Black

- 3. Message Series C



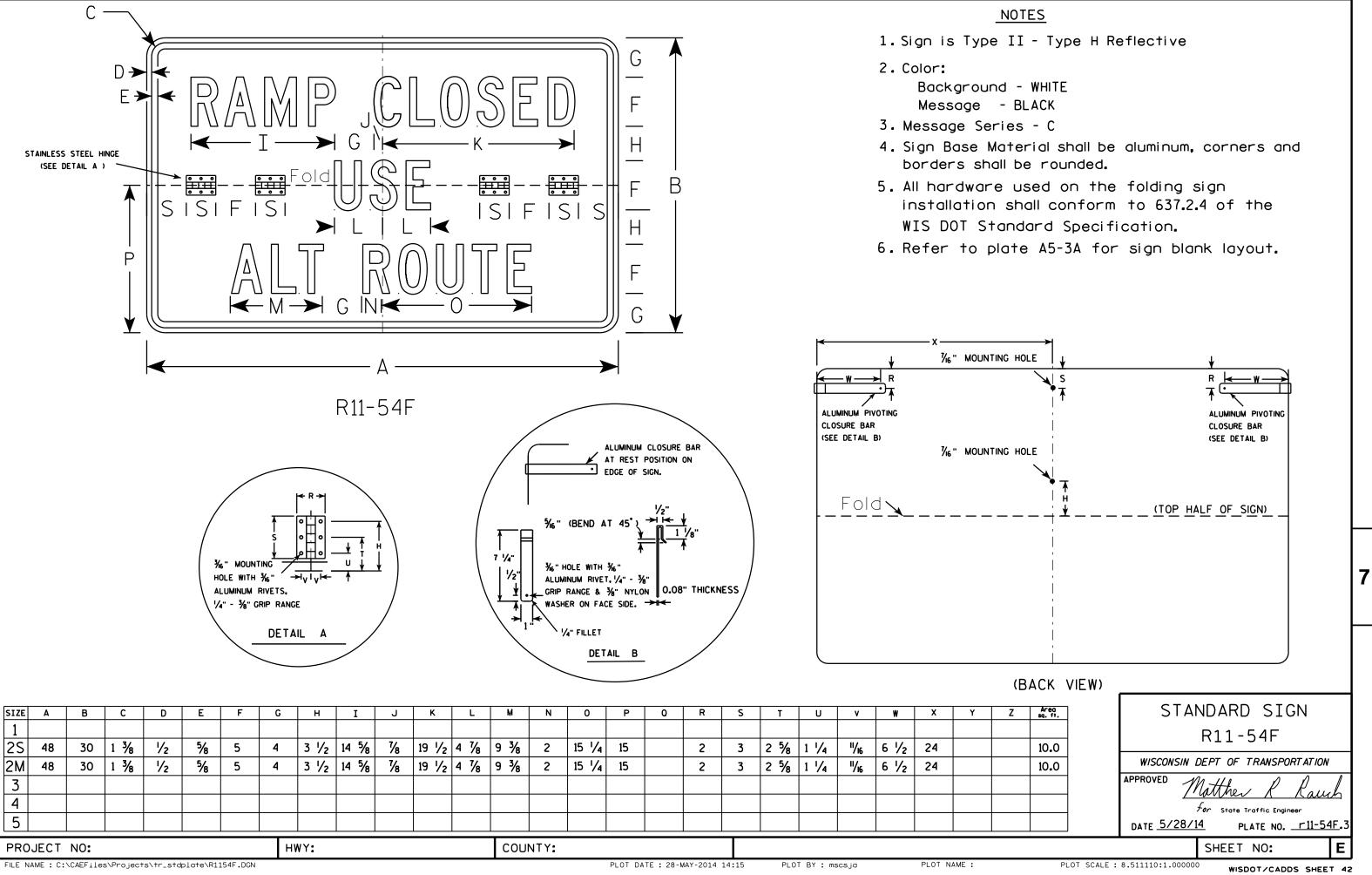
R11-4

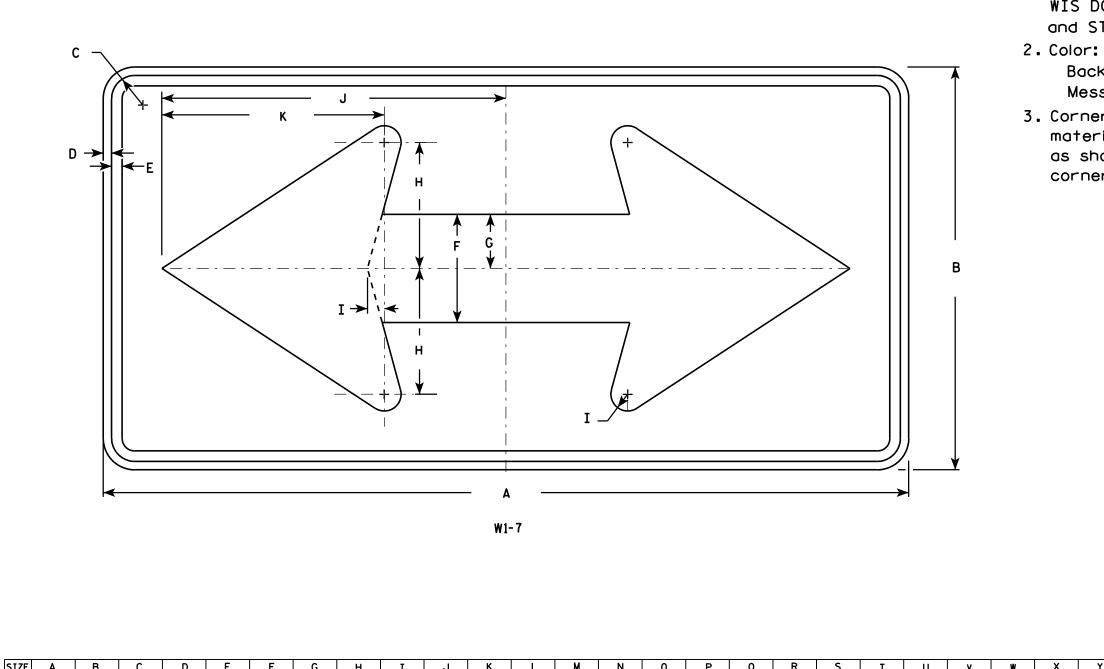
SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	M	N	0	P	0	R	S	Т	U	v	W	X	Y	
1																										
2S	60	30	1 3/8	1/2	5%	6	5	4	2 1/2	16 1⁄8		1⁄8	23 ¾	3 1⁄4	3	16 3⁄4	5 1⁄4	2 1/4	24 ¼							
2M	60	30	1 3/8	1/2	5⁄8	6	5	4	2 1/2	16 1⁄8		1⁄8	23 ¾	3 1⁄4	3	16 3⁄4	5 1⁄4	2 1/4	24 1/4							
3																										
4																										
5																										
PRO	JECT	NO:					н	WY:					COU	NTY:												
FILE N	AME : C:	\Users\P	ROJECTS\1	r_stdpla	te\R114.	DGN										PLOT DA	TE : 01-4	APR-2011	14:11	PLO	T BY : ms	scj9h		PLOT N	AME :	

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

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.

		Area	
STANDARD SIGN		sq. ft.	Z
R11 - 4		12.5	
WISCONSIN DEPT OF TRANSPORTATION	WISCON	12.5	
APPROVED Matther & Rauch	APPROVED		
DATE 4/1/11 PLATE NO. R11-4.3	DATE 4/1		
SHEET NO: E			
39:1.000000 WISDOT/CADDS SHEET 4	_OT SCALE : 9.931739:1.00000	PL	





SI.	ZE	A	В	C	D	E	F	G	н	I	J	K	L	M	N	0	P	0	R	S	T	U U	V	Ŵ	Х	Y
1		36	18	1 1/8	3⁄8	1/2	5	2 1/2	5 3⁄4	3⁄4	15 5%	10 1/8														
2	S 4	48	24	1 3/8	1/2	5⁄8	6 ½	3 1/4	7 1/2	1	20 1/2	13 1/4														
21	V 4	48	24	1 3/8	1/2	5⁄8	6 ½	3 1/4	7 1/2	1	20 ½	13 1/4														
3	3 6	60	30	1 3/8	1/2	5⁄8	8	4	9 1/4	1 1/4	25 3/8	16 1⁄4														
	6	60	30	1 3/8	1/2	5⁄8	8	4	9 1/4	1 1/4	25 3/8	16 1⁄4														
5	5 9	96	48	2 1/4	3⁄4	1	13	6 ½	15	2	41	26 1/2														
								_												-						
PR	OJE	CT N	10:					н₩	Y:					COUN	ΤΥ:											
FILE	NAME	: C:\L	Jsers\PR(0JECTS\tr	_stdplat	e∖W17.DG	N									F	PLOT DAT	E:07-JU	N-2010 12	:35	PLOT	BY : dit_	iph	F	PLOT NAME	E :

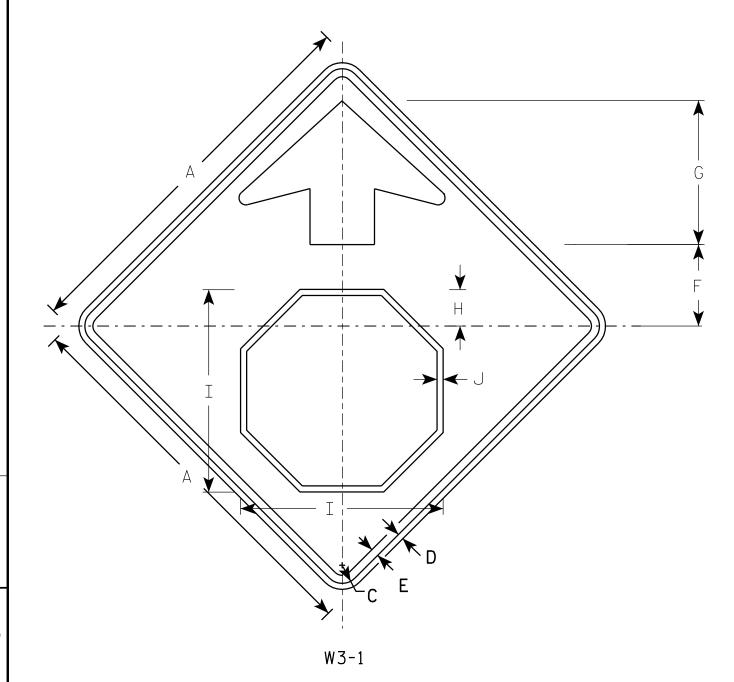
NOTES

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

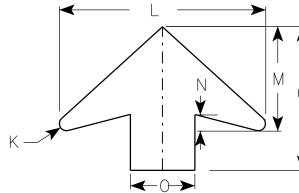
Background - Yellow Message – Black

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.

Z	Areo sq. ft.	г		
	4.5		ST	FANDARD SIGN
	8.0			W1-7
	8.0	F	WISCONSI	SIN DEPT OF TRANSPORTATION
	12.5	7	APPROVED	M.44 D.D.
	12.5		-	Far State Traffic Engineer
	32.0		DATE _6/7.	7/10 PLATE NO. <u>W1-7.7</u>
				SHEET NO: E
	PLOT	SCALE : 5.7208	579:1.000000	WISDOT/CADDS SHEET 42



- 1. All Signs Type II -WIS DOT Standard and STRUCTURE CON
- 2. Color:
 - Background YEL Arrow & Border
 - Stop Symbol WHI

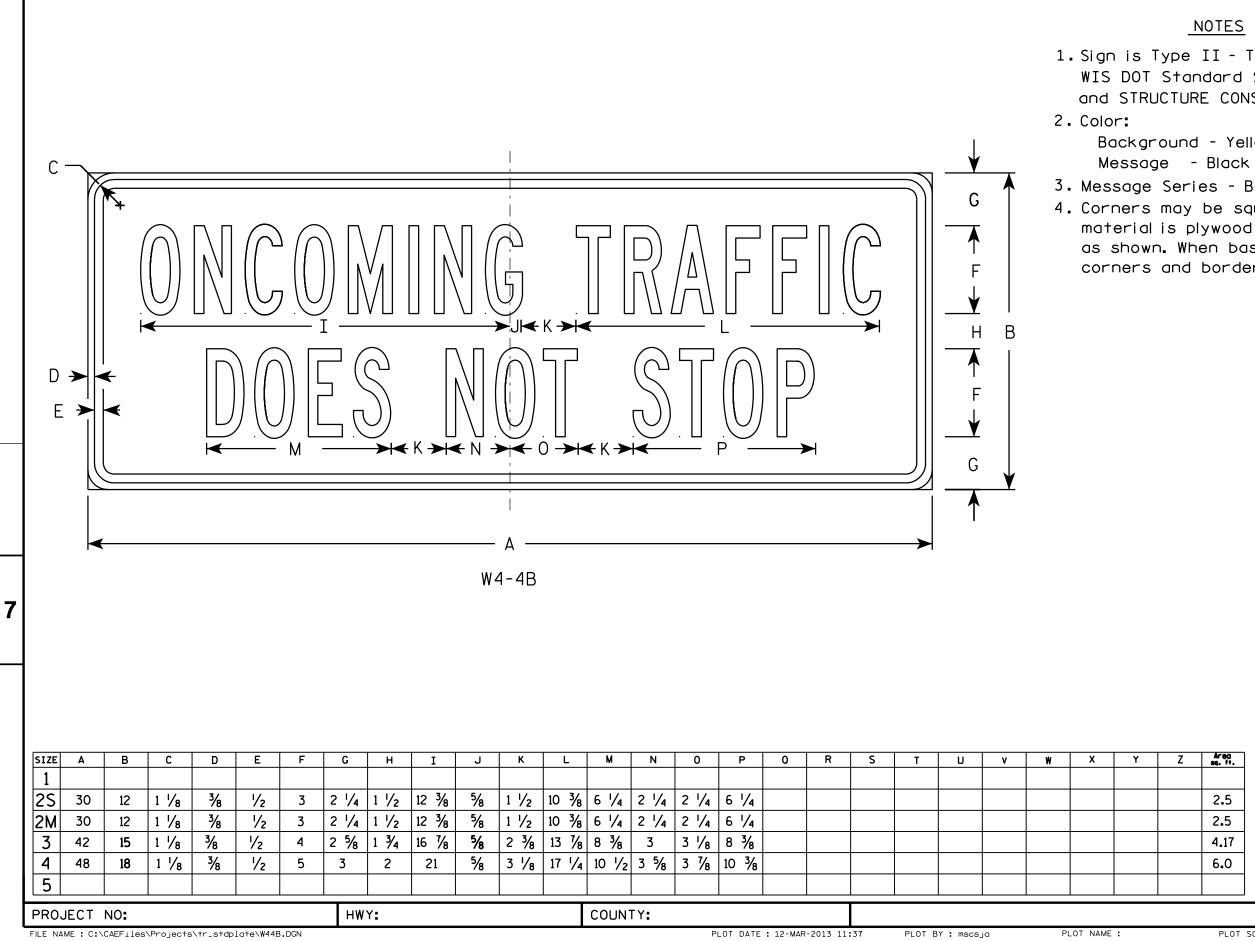




SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	м	N	0	Р	0	R	S	Т	U	v	W	X	Y	
1	30		1 3/8	1/2	5%8	6 1⁄4	11 1/4	2 1/8	15 3⁄4	1/2	1/2	16	8	1 1/4	5											
2S	36		1 5/8	5⁄8	3⁄4	7 1/2	13 1/2	3 1/2	19	5⁄8	5⁄8	19 1⁄4	9 ¾	1 5/8	6											
2M	36		1 5/8	5⁄8	3⁄4	7 1/2	13 1/2	3 1/2	19	5⁄8	5⁄8	19 1⁄4	9 3⁄4	1 5/8	6											
3	36		1 5/8	5⁄8	3⁄4	7 1/2	13 1/2	3 1/2	19	5⁄8	5⁄8	19 1⁄4	9 ¾	1 5/8	6											
4	48		2 1/4	3⁄4	1	10	17 7/8	4 1/2	25 1⁄8	∛₄	7⁄8	25 5/8	13	2	8											
5	48		2 1/4	3⁄4	1	10	17 7/8	4 1/2	25 1⁄8	∛₄	7∕8	25 5/8	13	2	8											
PRO	JECT	NO•																								
FILE N	NAME: C:\Users\PROJECTS\tr_stdplate\W31.DGN PLOT DATE: 07-JUN-2010 12:59 PLOT BY: ditjph																									

|7

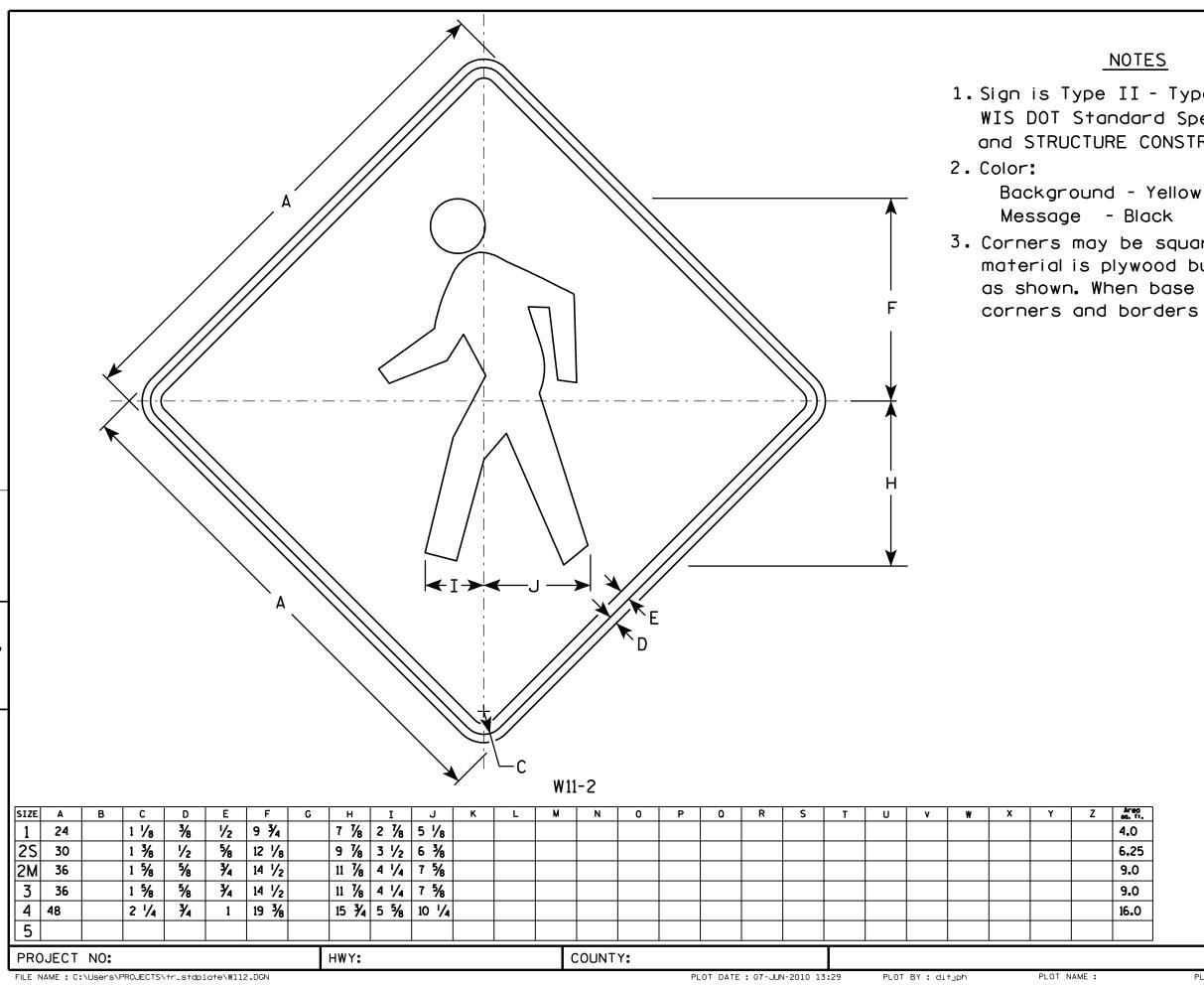
Type F Reflective - reference Specification for HIGHWAY NSTRUCTION latest edition.	
LLOW - BLACK TE BORDER ON RED BACKGROUND	
7	
G	
Y	7
Z Areo	
6.25 STANDARD SIGN	
9.0 W3-1	
9.0 WISCONSIN DEPT OF TRANSPORTATION	-1
	1
16.0 APPROVED Matthew R Rauch	
16.0 DATE 6/7/10 PLATE NO. W3-1.12	
SHEET NO:	
l l	_



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

```
Background - Yellow
    Message - Black
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.
```

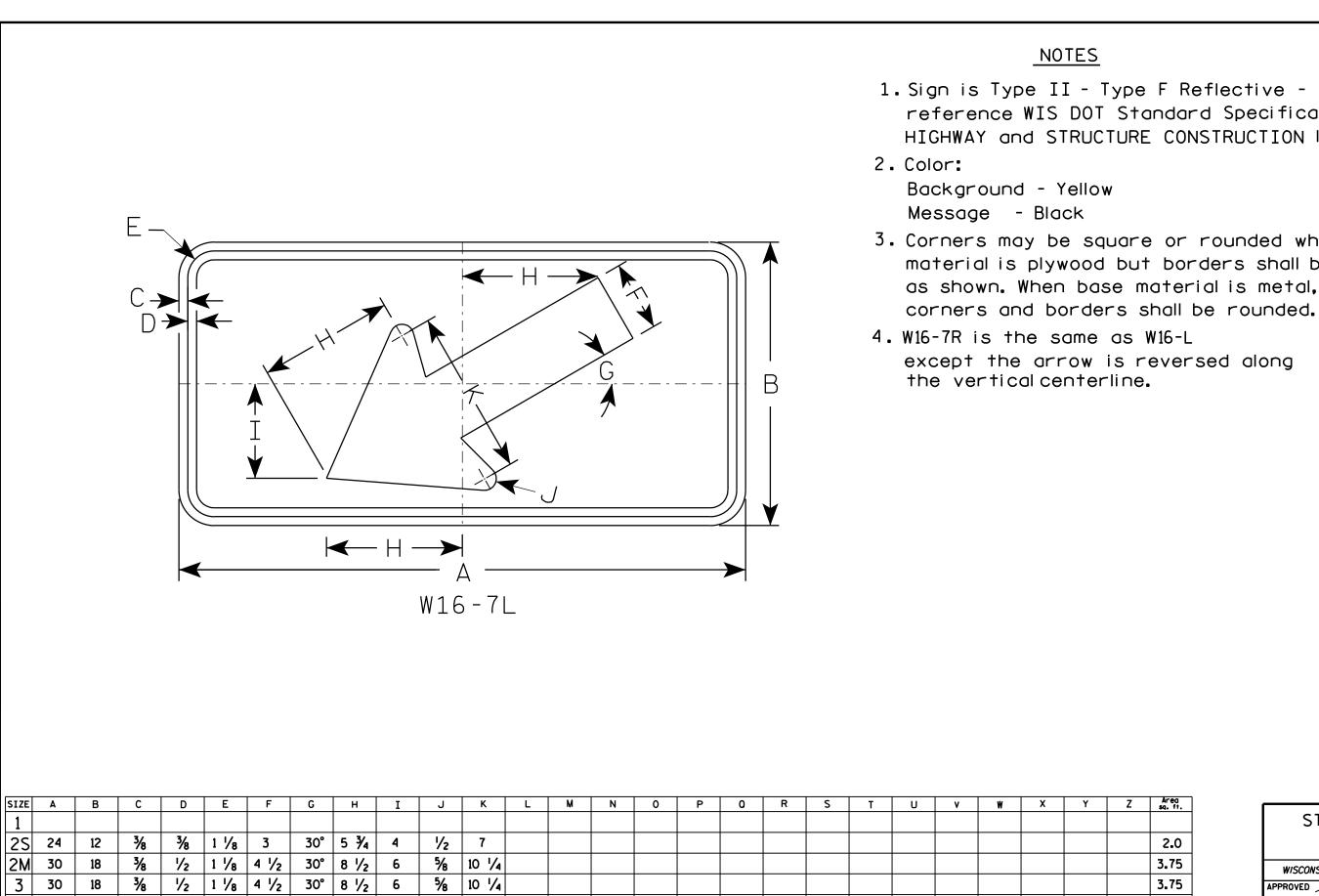
Z Areo STANDARD SIGN
2.5 W4-4B
2.5 WISCONSIN DEPT OF TRANSPORTATION
4.17 APPROVED Matthew of Paul
6.0 For State Traffic Engineer
DATE 03/12/13 PLATE NO. W4-4B.2
SHEET NO:
PLOT SCALE : 5.458087:1.000000 WISDOT/CADDS SHEET 4



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

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.

		STANDARD SIGN					
% . 0		W11-2					
25		WISCONSIN DEPT OF TRANSPORTATION					
0 0		APPROVED Matther R Rauch					
.0		for State Traffic Engineer					
		DATE <u>6/7/10</u> PLATE NO. <u>W11-2.7</u>					
		SHEET NO: E					
	PLOT S	SCALE : 5.700818:1.000000 WISDOT/CADDS SHEET 42					



COUNTY:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W167.DGN

HWY:

4 5

PROJECT NO:

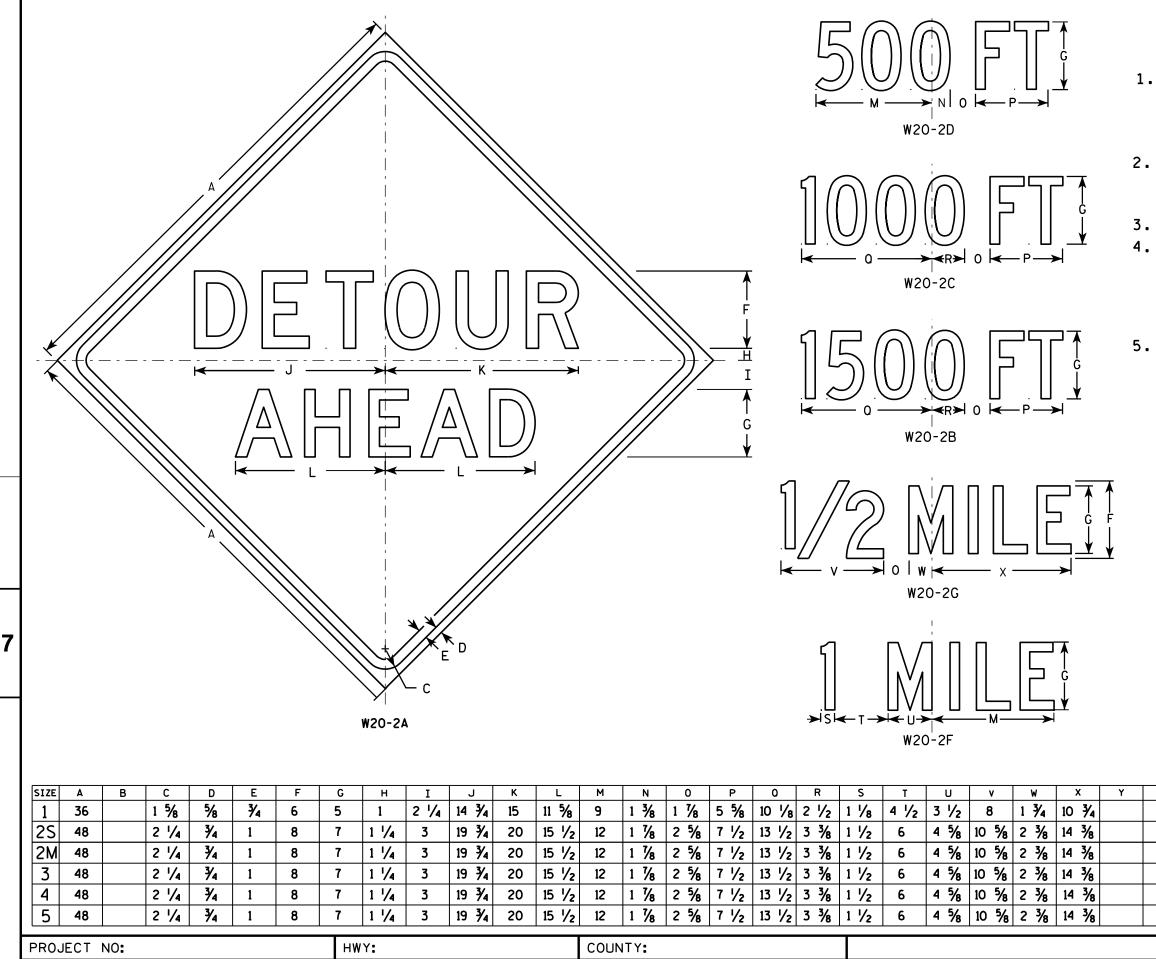
PLOT DATE : 02-NOV-2010 09:34

PLOT BY : dotsja PLOT NAME :

```
reference WIS DOT Standard Specification for
HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
```

```
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
```

Z	Area sq. ft.	1				
-	SQ. 11.		5		ARD SIGN	
			5			
	2.0			W1	.6 - 7	
	3.75		WISCON:	SIN DEPT	OF TRANSPORTATIO	N
	3.75		APPROVED	M -11		
	8			r	er R Rauch	
	8			vor s	tate frattic Engineer	
	0		DATE <u>11/</u>	02/10	PLATE NO. W16-7.	5
				SHEE	T NO:	Ε
	PLOT	SCALE : 3.9726	96:1.000000) w i	SDOT/CADDS SHEE	т 42



FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN

PLOT DATE : 18-MAR-2011 10:00

PLOT NAME :

PLOT BY : mscj9h

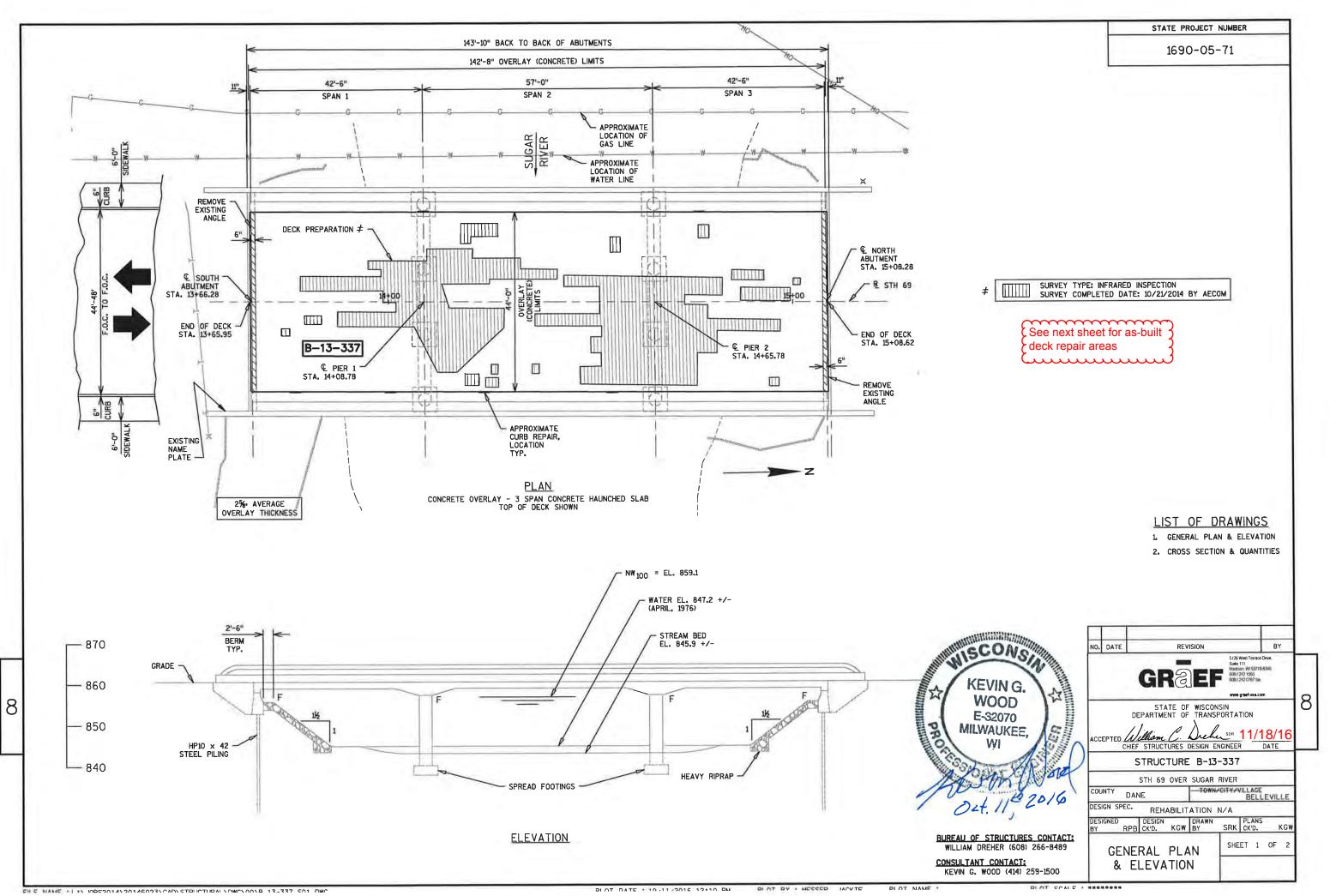
NOTES

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

Message - Black

 Message Series - See note 5
 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.
 Line 1 is Series D. Line 2 is Series D for AHEAD and Series C for all other distances.

Z	Areo	1		
۷.	sq. ft. 9.0			STANDARD SIGN
	16.0			-2A,B,C,D,F & G
	16.0			ONSIN DEPT OF TRANSPORTATION
	16.0		APPROVED	
	16.0			Matther & Rauch
	16.0		DATE 3.	Fer State Traffic Engineer 3/18/11 PLATE NO. W20-2.6
			1	SHEET NO: E
	PLO	DT SCALE : 9.93173	9:1.000000	WISDOT/CADDS SHEET 4





3.8 SF

0.7 SF

1.0 SF

2.5 SF

9.8 SF

1.4 SF

17.0 SF

0.9 SF

0.4 SY

0.1 SY

0.1 SY

0.3 SY

1.1 SY

0.2 SY

1.9 SY

0.1 SY

PREPARATION DECKS TYPE 1 ------

8	9.6 SF	1.1 SY		TOTAL	215.4 SY
7	21.7 SF	2.4 SY	15	889.0 SF	98.8 SY
6	2.1 SF	0.2 SY	14	881.4 SF	97.9 SY
5	21.2 SF	2.4 SY	13	15.6 SF	1.7 SY
4	8.7 SF	1.0 SY	12	12.8 SF	1.4 SY
3	6.8 SF	0.8 SY	11	38.3 SF	4.3 SY
2	13.9 SF	1.5 SY	10	7.2 SF	0.8 SY
1	4.0 SF	0.4 SY	9	7.5 SF	0.8 SY

1	0.4 SF	0.1 SY	9
2	1.3 SF	0.1 SY	10
3	2.1 SF	0.2 SY	11
4	1.0 SF	0.1 SY	12
5	1.8 SF	0.2 SY	13
6	0.5 SF	0.1 SY	14
7	0.6 SF	0.1 SY	15
8	0.6 SF	0.1 SY	16

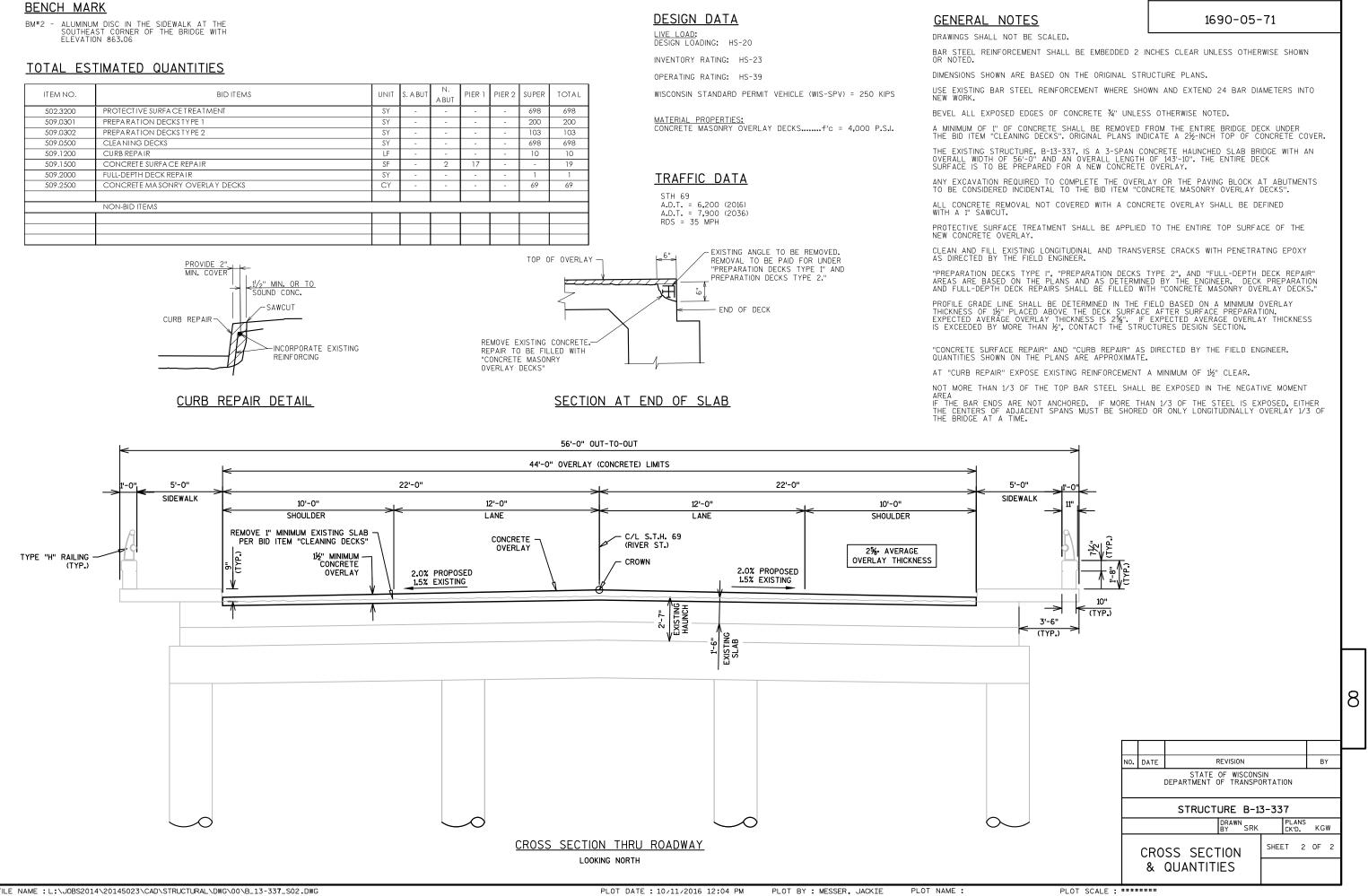
PREPARATION	DECKS	TYPE	2	
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17	106.7 SF	11.9 SY
18	2.9 SF	0.3 SY
19	3.1 SF	0.3 SY
20	1.6 SF	0.2 SY
21	73.2 SF	8.1 SY
22	2.1 SF	0.2 SY
23	23.6 SF	2.6 SY
24	4.6 SF	0.5 SY

_ _ _ _ _ _ _

25	7.4 SF	0.8 SY
26	9.1 SF	1.0 SY
27	0.8 SF	0.1 SY
28	4.1 SF	0.5 SY
29	2.1 SF	0.2 SY
30	1.4 SF	0.2 SY
31	128.4 SF	14.3 SY
32	1.6 SF	0.2 SY

	TOTALS	51.4 SY
40	1.4 SF	0.2 SY
39	13.3 SF	1.5 SY
38	1.0 SF	0.1 SY
37	13.6 SF	1.5 SY
36	2.3 SF	0.3 SY
35	3.3 SF	0.4 SY
34	2.4 SF	0.3 SY
33	4.8 SF	0.5 SY
33	4.8 SF	0.5 SY



STATE PROJECT NUMBER

STH 69 CATEGORY 10

9

		AREA (SF)			Incremental Vo	I (CY) (Unadjusted)		Cumulative V	ol (CY)	4
STATION	Distance	Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Cut 1.00 Note 1	Expanded Fill 1.11	Mass Ordinat
10+19		389	107	0	0	0	0	0	0	0
10+50	31	210	31	0	343	79	0	343	0	264
11+00	50	123	25	6	308	51	6	652	6	515
11+50	50	118	33	0	224	53	6	875	13	679
12+00	50	130	40	0	229	68	0	1105	13	841
12+50	50	123	32	0	234	67	0	1339	13	1008
13+00	50	122	38	0	226	65	0	1565	13	1170
13+50	50	118	23	0	222	57	0	1787	13	1335
13+66	16	123	23	18	71	14	5	1859	19	1387
					STRUCTURE E	3-13-337				
15+09		114	23	25	0	0	0	1859	19	1387
15+50	41	124	23	1	181	35	20	2039	41	1510
15+80	30	161	30	1	158	29	1	2198	42	1638
16+00	20	164	27	0	121	21	0	2318	42	1737
16+26	26	99	29	0	126	27	0	2445	42	1836
16+50	24	158	20	0	114	22	0	2559	42	1928
16+79	29	214	23	0	200	23	0	2758	42	2105
17+00	21	208	20	1	164	17	0	2923	43	2252
17+14	14	180	24	1	101	11	0	3023	43	2341
17+32	18	153	20	1	111	15	1	3135	44	2437
17+50	18	111	23	2	88	14	1	3223	45	2509
17+75	25	116	21	1	105	21	1	3328	46	2593
17+87	12	150	25	0	59	10	0	3387	46	2641
18+00	13	210	46	0	87	17	0	3474	47	2711
18+50	50	101	20	0	288	60	1	3762	47	2938
19+00	50	113	20	0	198	37	0	3960	47	3099
19+50	50	111	26	1	207	42	1	4167	49	3262
19+60	10	110	26	2	41	10	1	4208	49	3293
20+00	40	110	20	1	164	34	2	4371	51	3421
20+50	50	103	20	1	198	37	1	4569	53	3581
20+30 20+75	25	97	23	0	93	20	0	4662	53	3653
20+75 21+00	25 25	97 96	23	2	93 90	20	1	4002	55	3720
21+00 21+50	23 50	90 111	23	2 1	90 192	40	3	4943	58	3868
				1			3			
22+00	50	101	20	0	196	37	1	5139	59	4026
22+50	50	96	20	1	182	37	1	5322	60	4171
22+66	16	93	23	1	56	13	0	5377	61	4213
23+00	34	101	20	1	122	27	1	5499	62	4307
23+50	50	109	23	6	195	40	6	5694	69	4455
24+00	50	117	23	4	209	43	9	5903	79	4610
24+21	21	142	29	1	101	20	2	6004	81	4688
24+50	29	171	23	0	168	28	1	6172	82	4827
25+00	50	185	23	0	329	43	0	6501	82	5113
25+50	50	233	28	0	388	48	0	6889	82	5453
26+00	50	444	87	0	628	106	0	7516	83	5974
26+50	50	150	22	27	550	101	25	8067	111	6395
27+00	50	133	0	4	262	21	28	8329	142	6605
27+50	50	120	0	3	234	0	6	8563	149	6833
27+89	39	102	0	0	160	0	2	8723	151	6991
28+00	11	97	0	2	41	0	1	8763	152	7031
28+29	29	90	0	15	100	0	9	8864	162	7121
28+50	21	91	0	26	70	0	16	8934	179	7174
			-	olumn totals	8934	1581	162			

16+50 16+79 17+00	Distance 0	Cut	Salvaged/Unusable			I (CY) (Unadjusted)					Cumulative V		
16+79 17+00	0		Pavement Material	Fill	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Marsh Exc	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.11	Mass Ordinate
16+79 17+00		15	4	0	0	0	0	0	0	0	0	0	0
17+00	29	15	4	0	16	4	0	0	0	0	16	0	12
	21	15	4	0	11	3	0	0	0	0	27	0	20
17+14	14	15	4	0	8	2	0	0	0	0	34	0	26
17+32	18	15	4	0	10	2	0	0	0	0	44	0	33
17+50	18	15	4	0	10	2	0	0	0	0	54	0	41
17+75	25	15	4	0	13	3	0	0	0	0	67	0	51
17+87	12	15	4	0	6	2	0	0	0	0	74	0	56
18+00	13	15	4	0	7	2	0	0	0	0	81	0	61
18+50	50	15	4	0	27	6	0	0	0	0	107	0	81
19+00	50	15	4	0	27	6	0	0	0	0	134	0	102
19+50	50	15	4	0	27	6	0	0	0	0	161	0	122
19+60	10	15	4	0	5	1	0	0	0	0	166	0	126
20+00	40	15	4	0	21	5	0	0	0	0	188	0	143
20+50	50	15	4	0	27	6	0	0	0	0	215	0	163
20+75	25	15	4	0	13	3	0	0	0	0	228	0	173
21+00	25	15	4	0	13	3	0	0	0	0	242	0	183
21+50	50	15	4	0	27	6	0	0	0	0	269	0	204
22+00	50	15	4	0	27	6	0	0	0	0	295	0	224
22+50	50	15	4	0	27	6	0	0	0	0	322	0	244
22+66	16	15	4	0	9	2	0	0	0	0	331	0	251
23+00	34	15	4	0	18	4	0	0	0	0	349	0	265
23+50	50	0	0	0	13	3	0	0	0	0	363	0	275
			Co	lumn totals	363	88	0	0	0	0			

STH 69 CATEGORY 10- BROSS CIRCLE AND EASTBOUND PARKING LANE

9

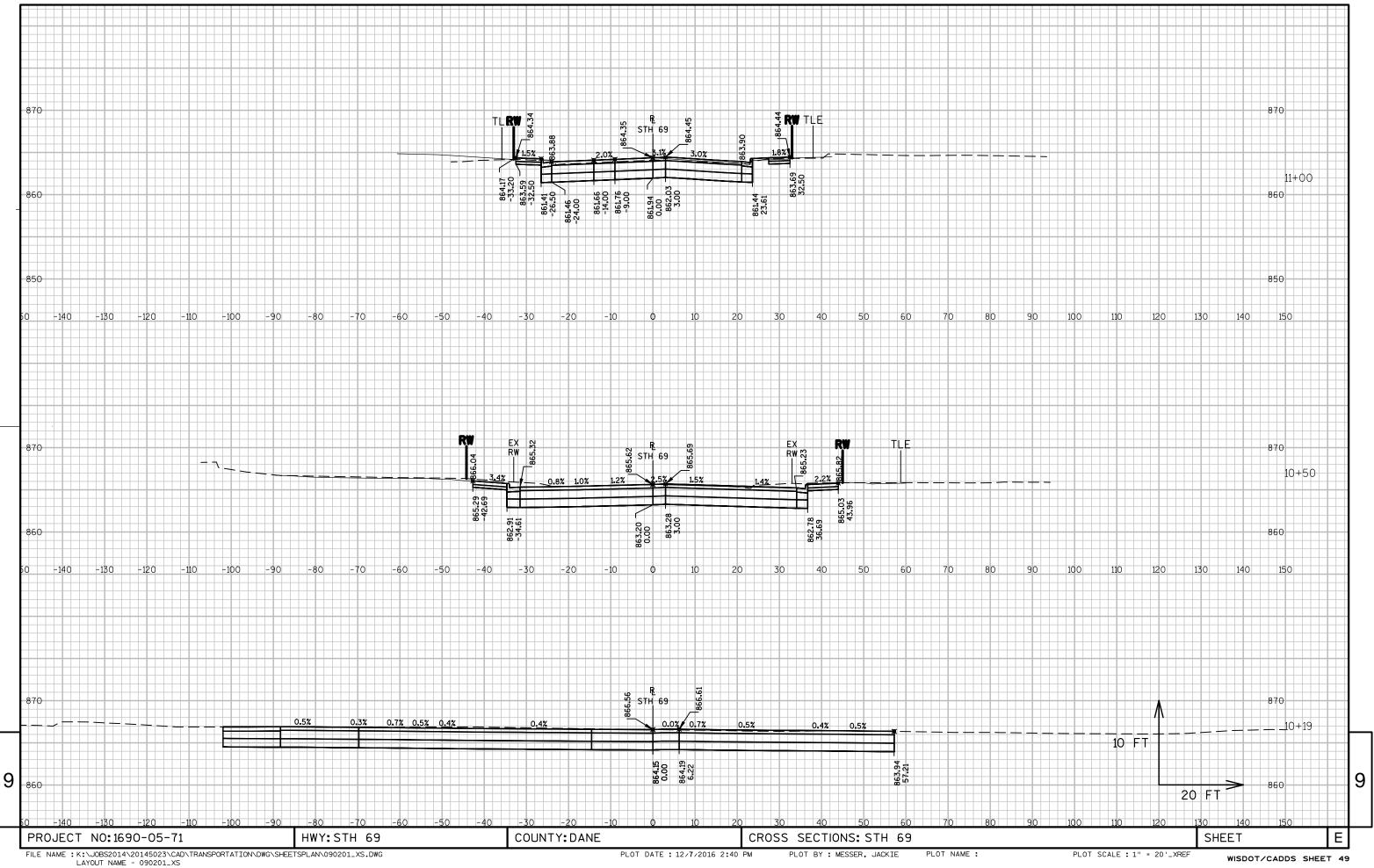
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FILE NAME :		PLOT DATE :	PLOT BY :	PLOT NAME :

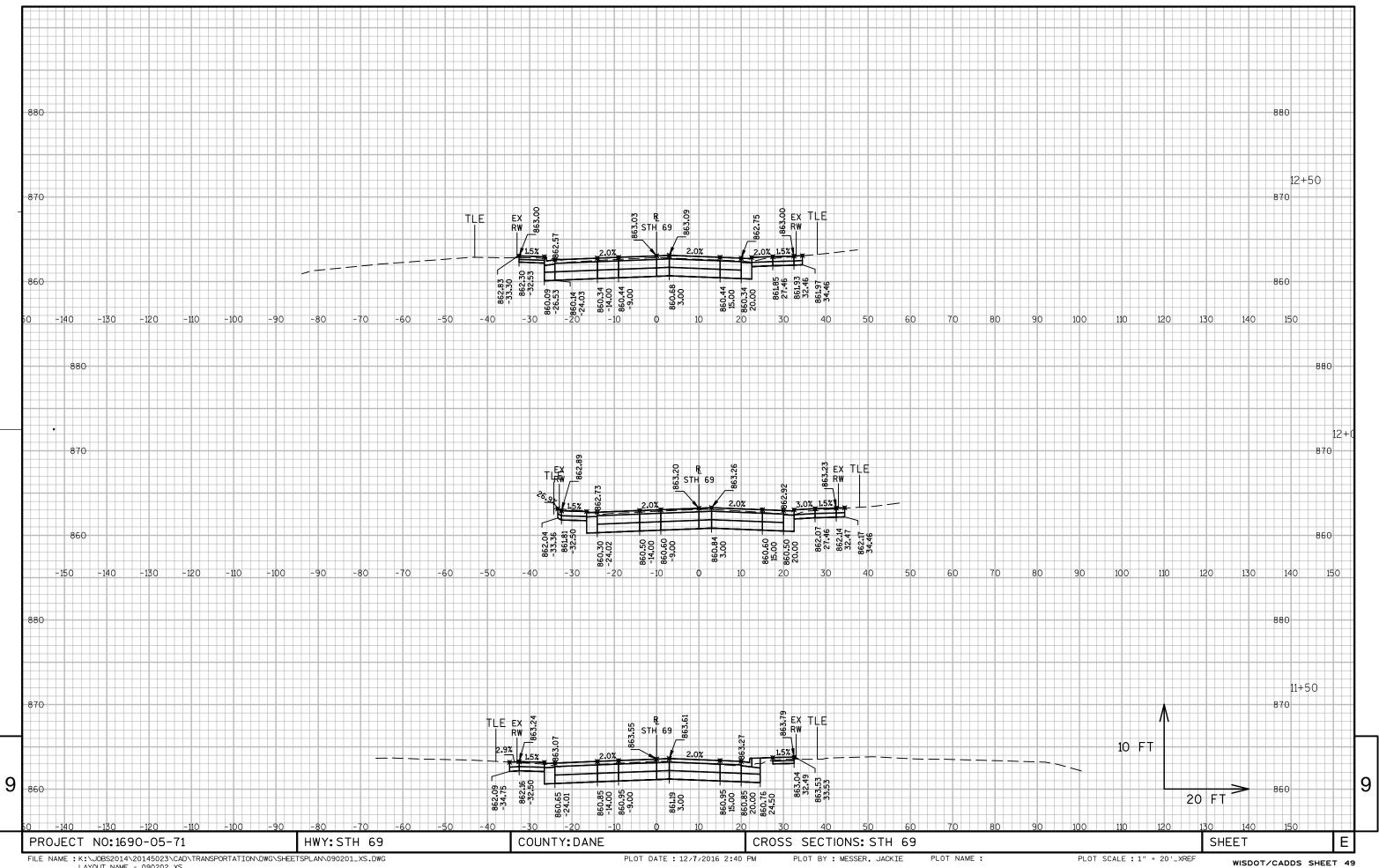
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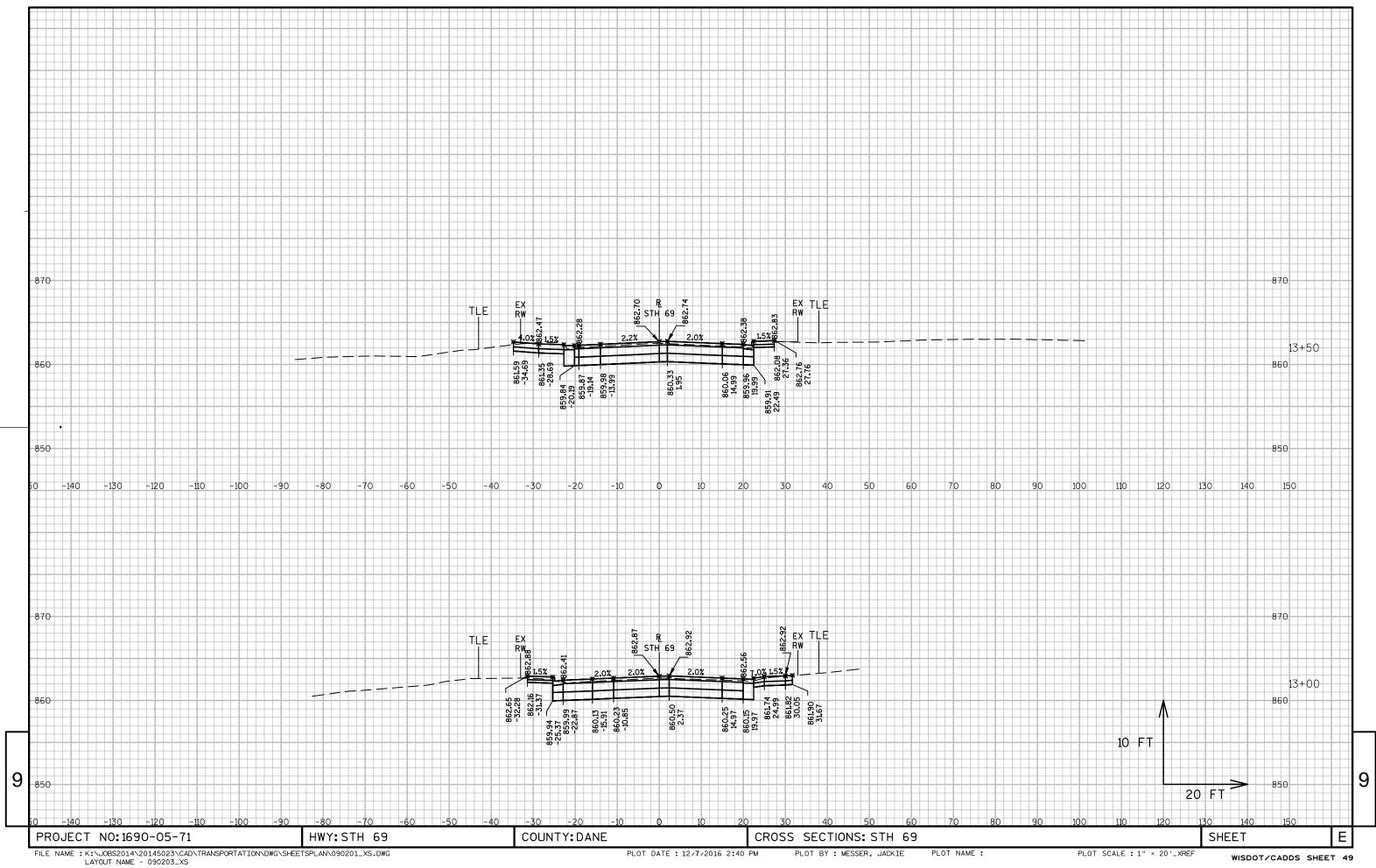
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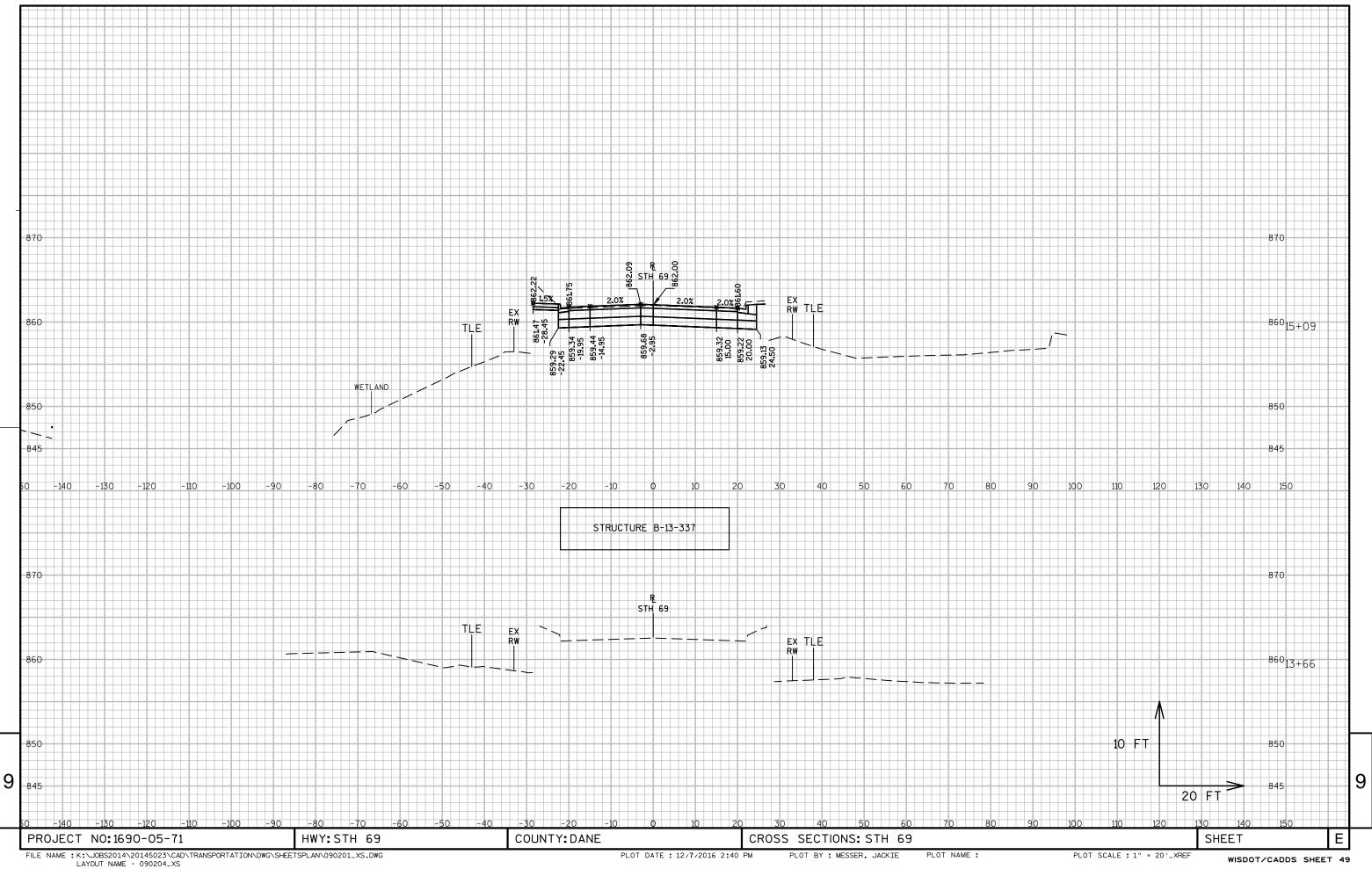
)					
	PROJECT NO: 1690-05-71	HWY: STH 69	COUNTY: DANE	EARTHWORK	
	FILE NAME :		PLOT DATE :	 PLOT BY :	PLOT NAME :

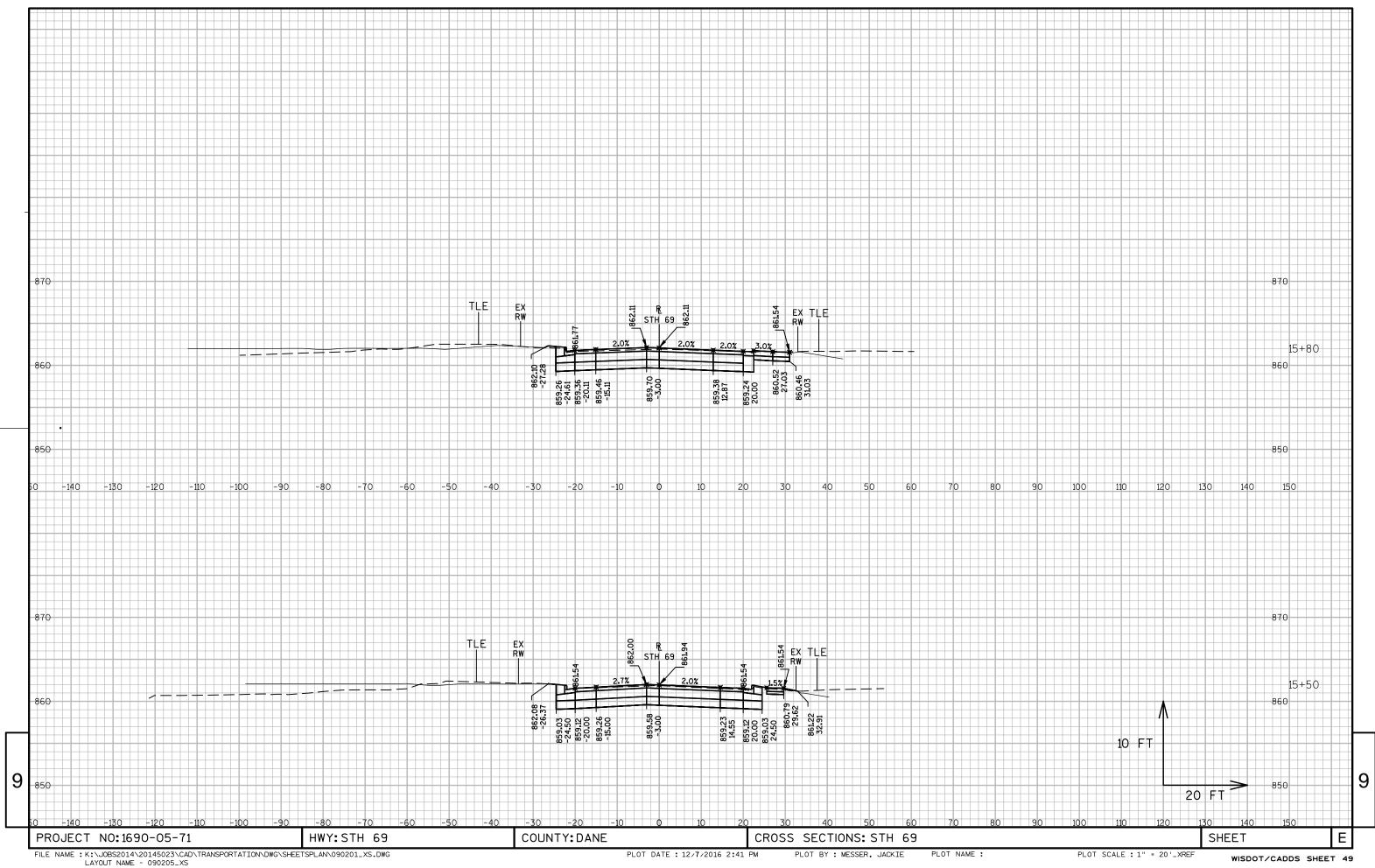
SF	IEET:	

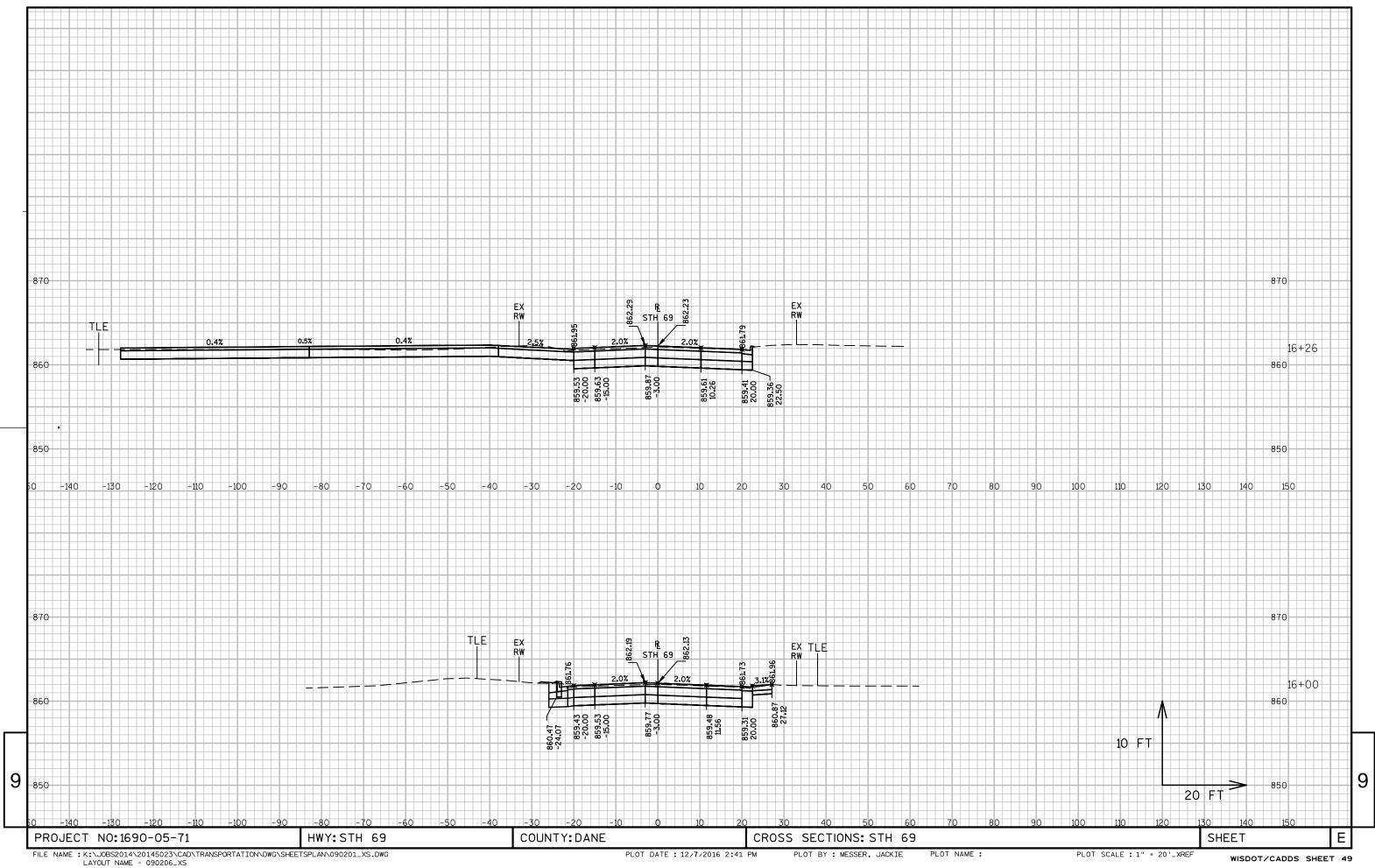


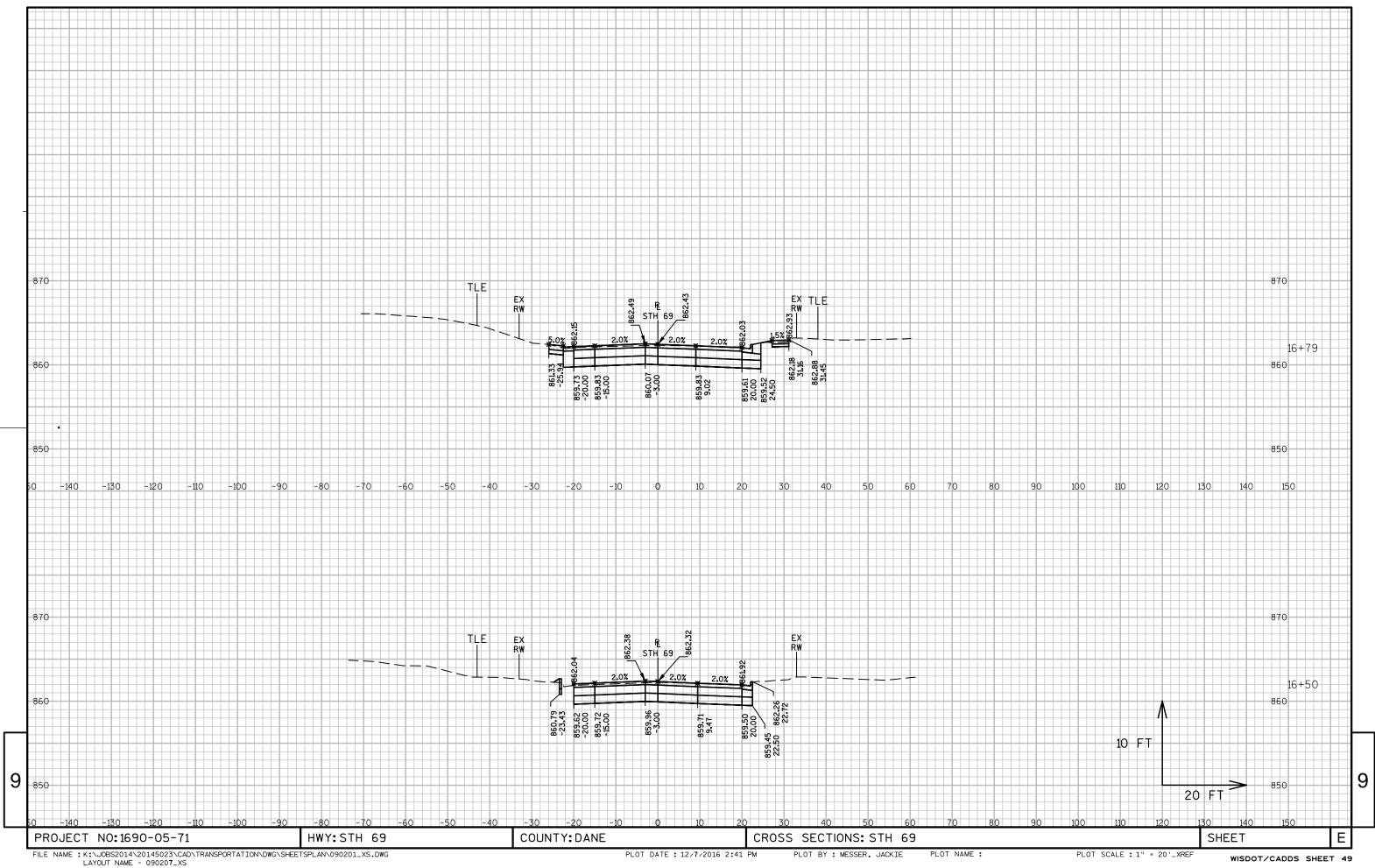


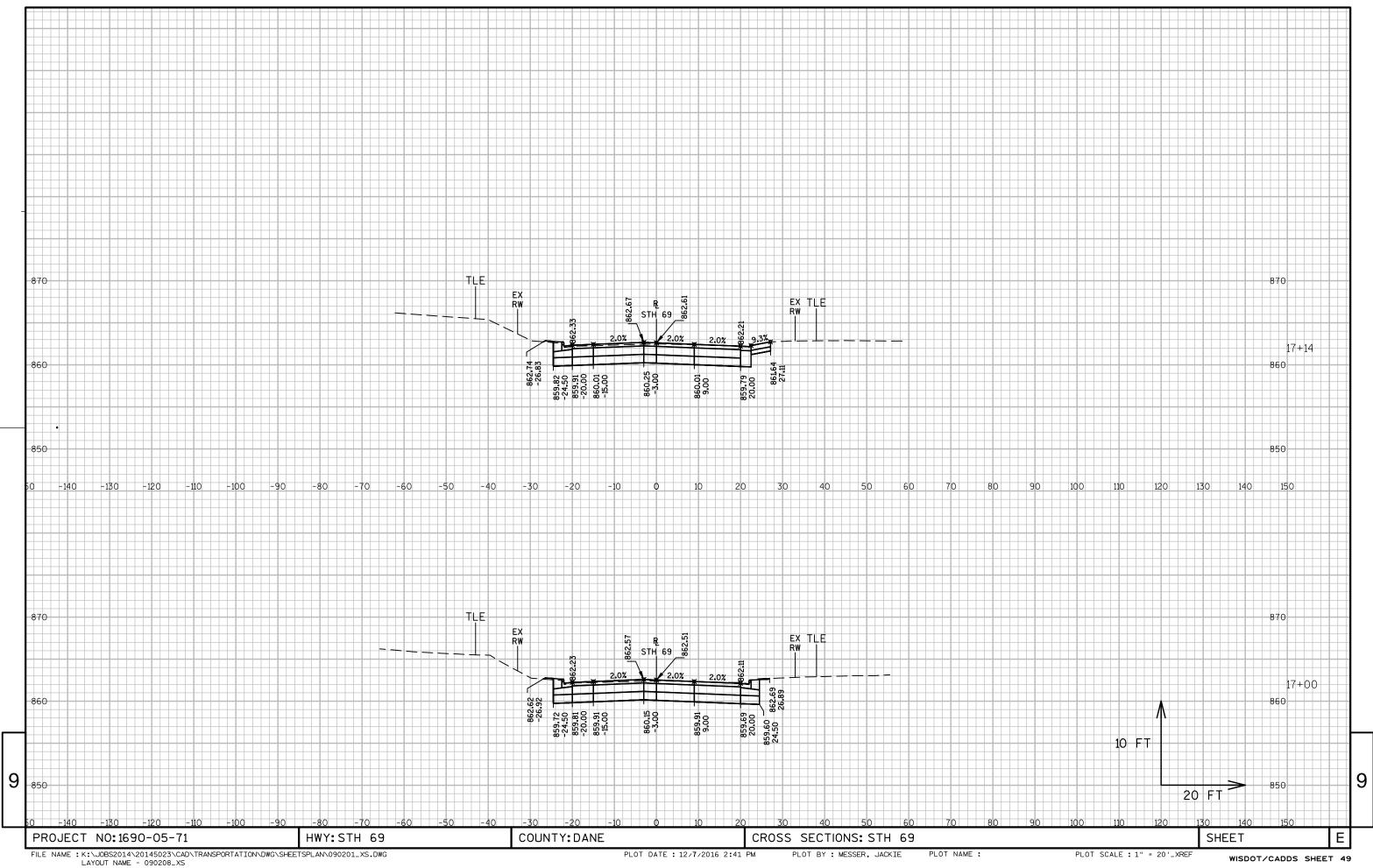


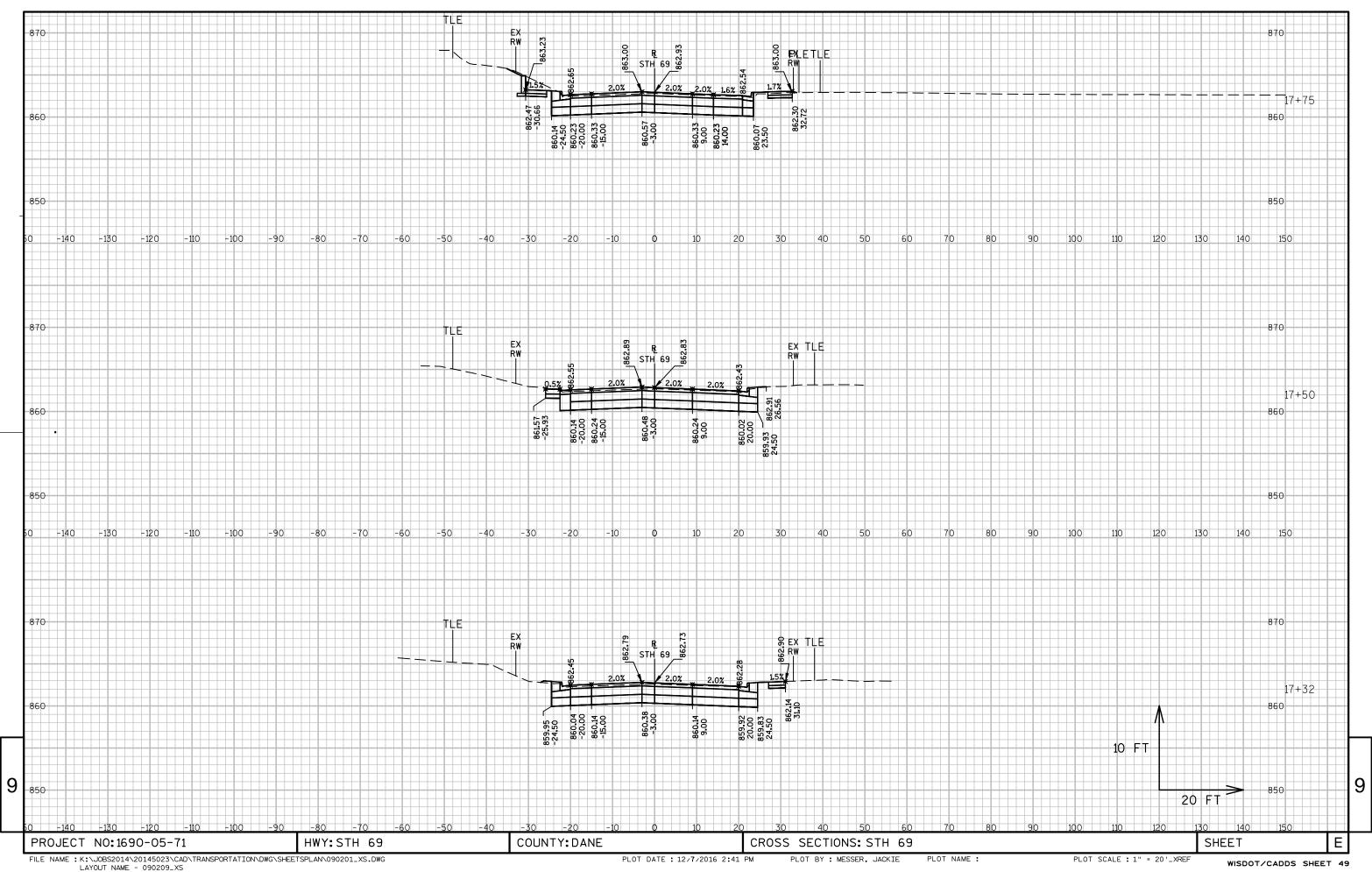


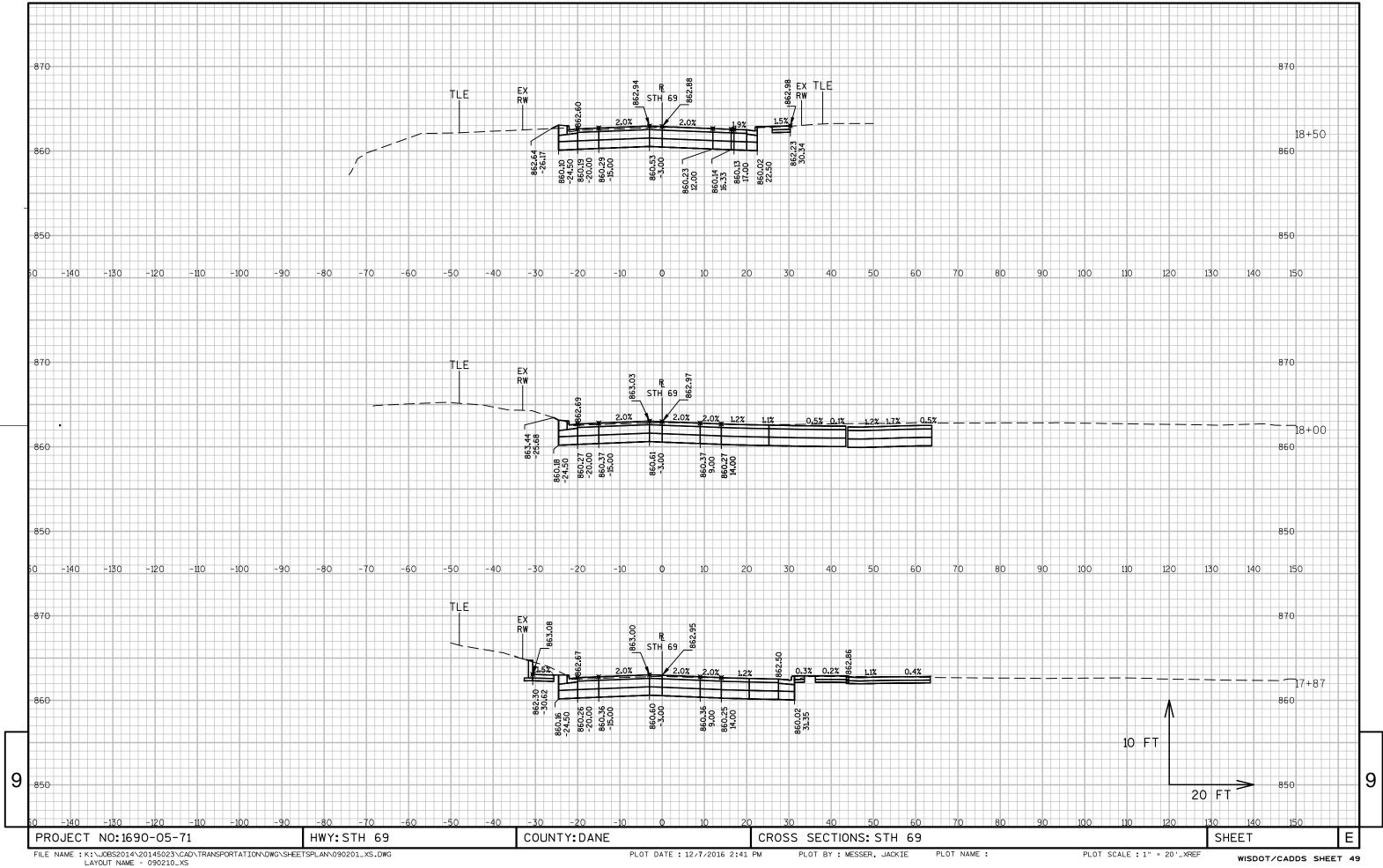


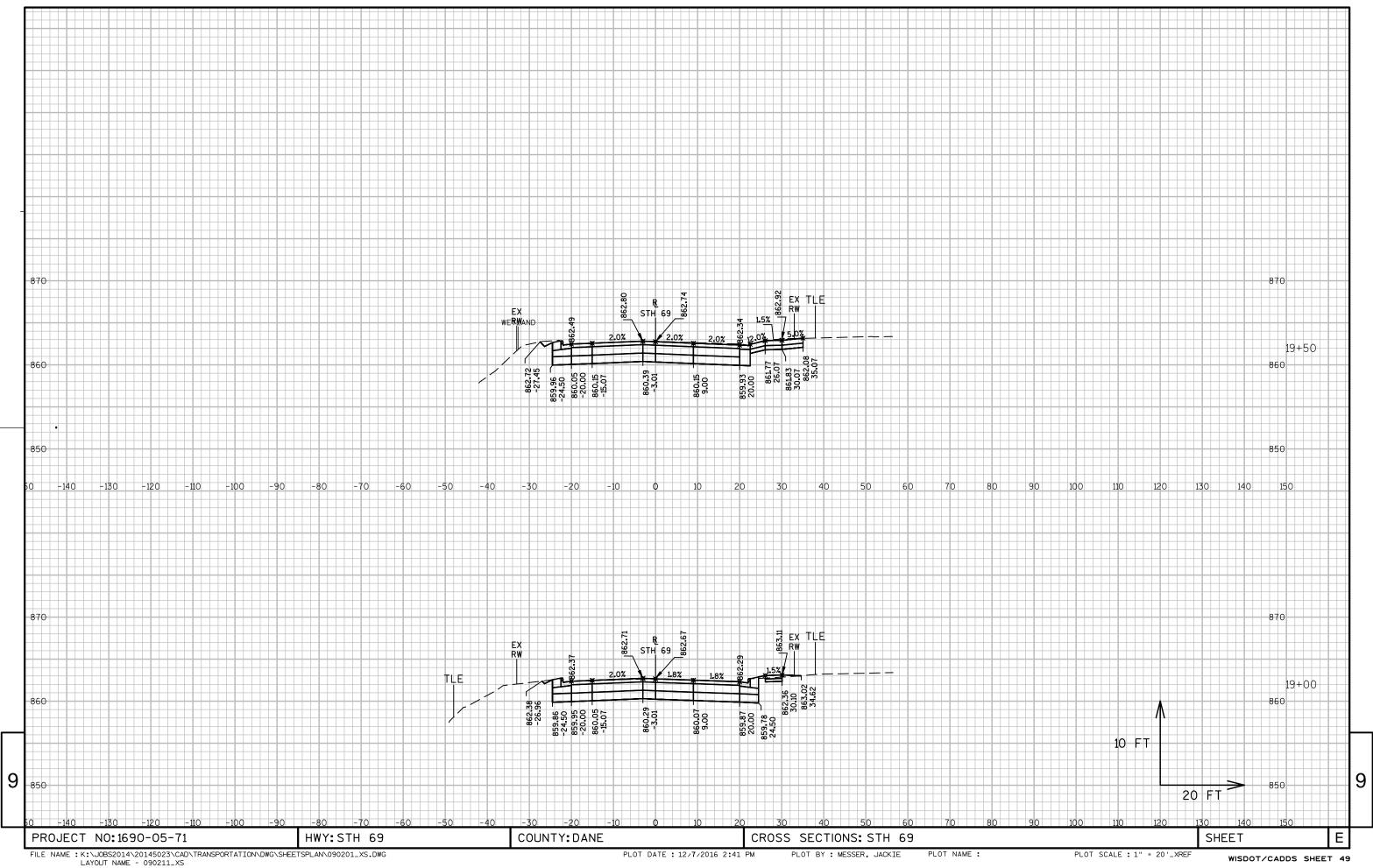


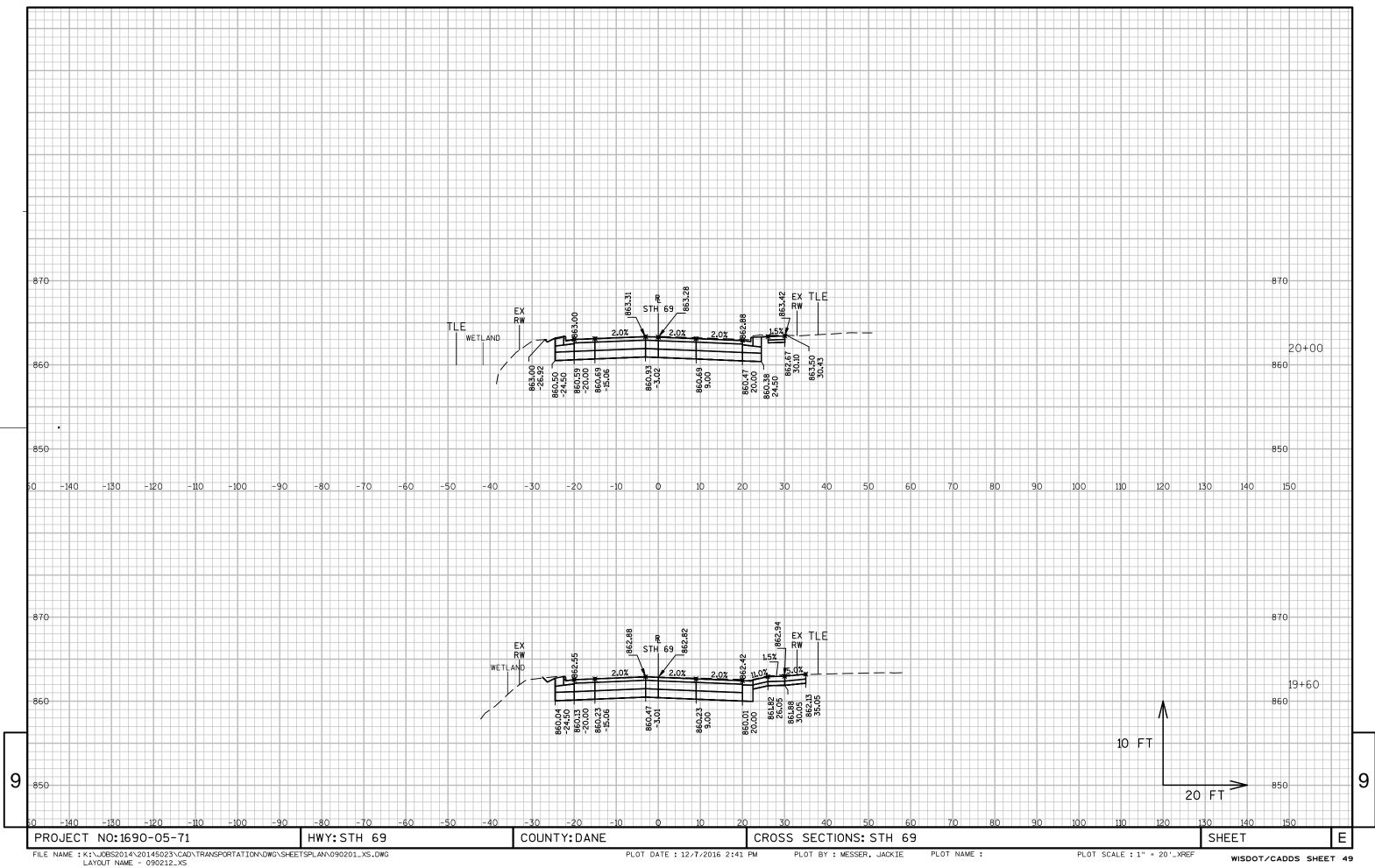


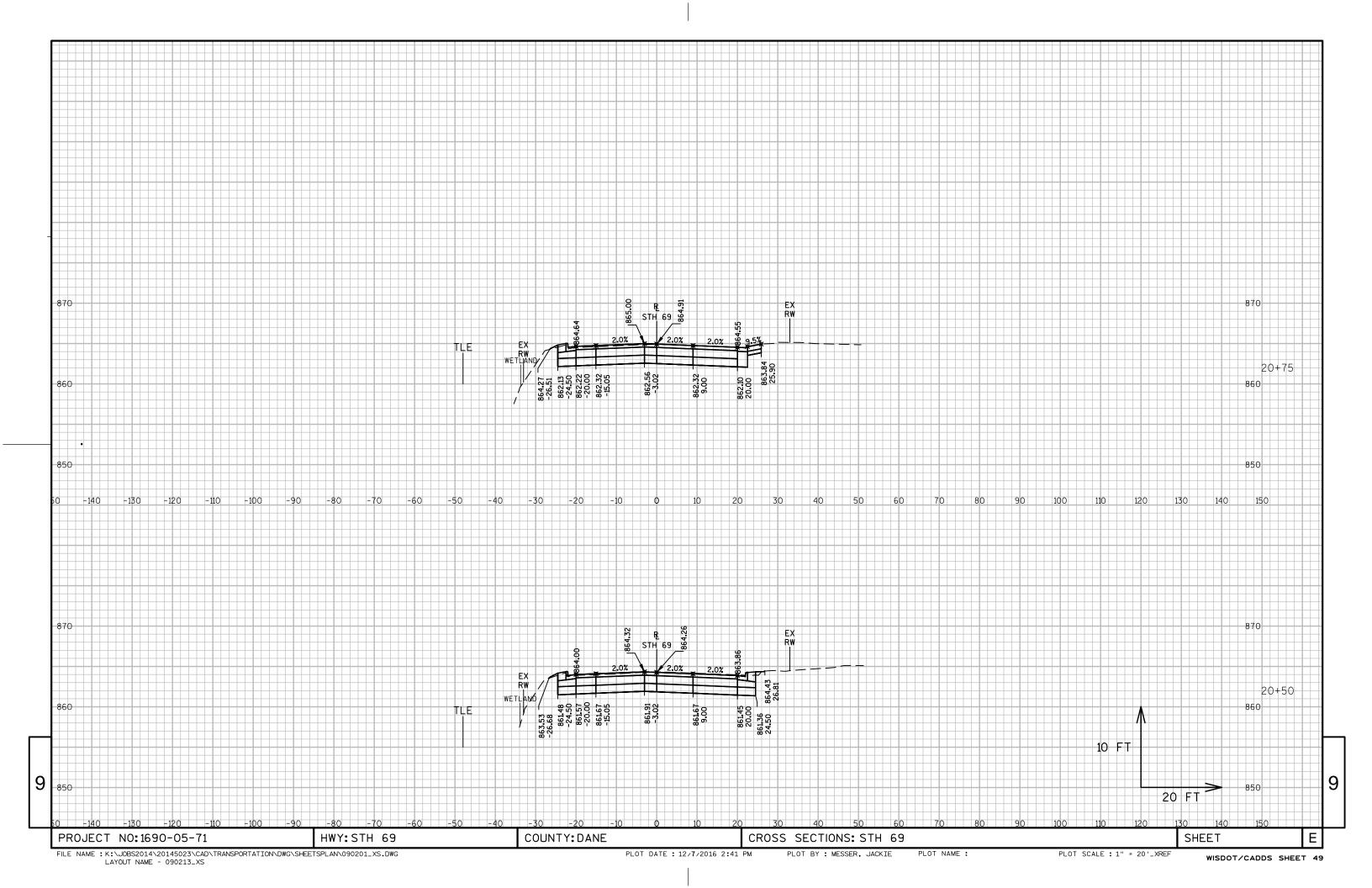


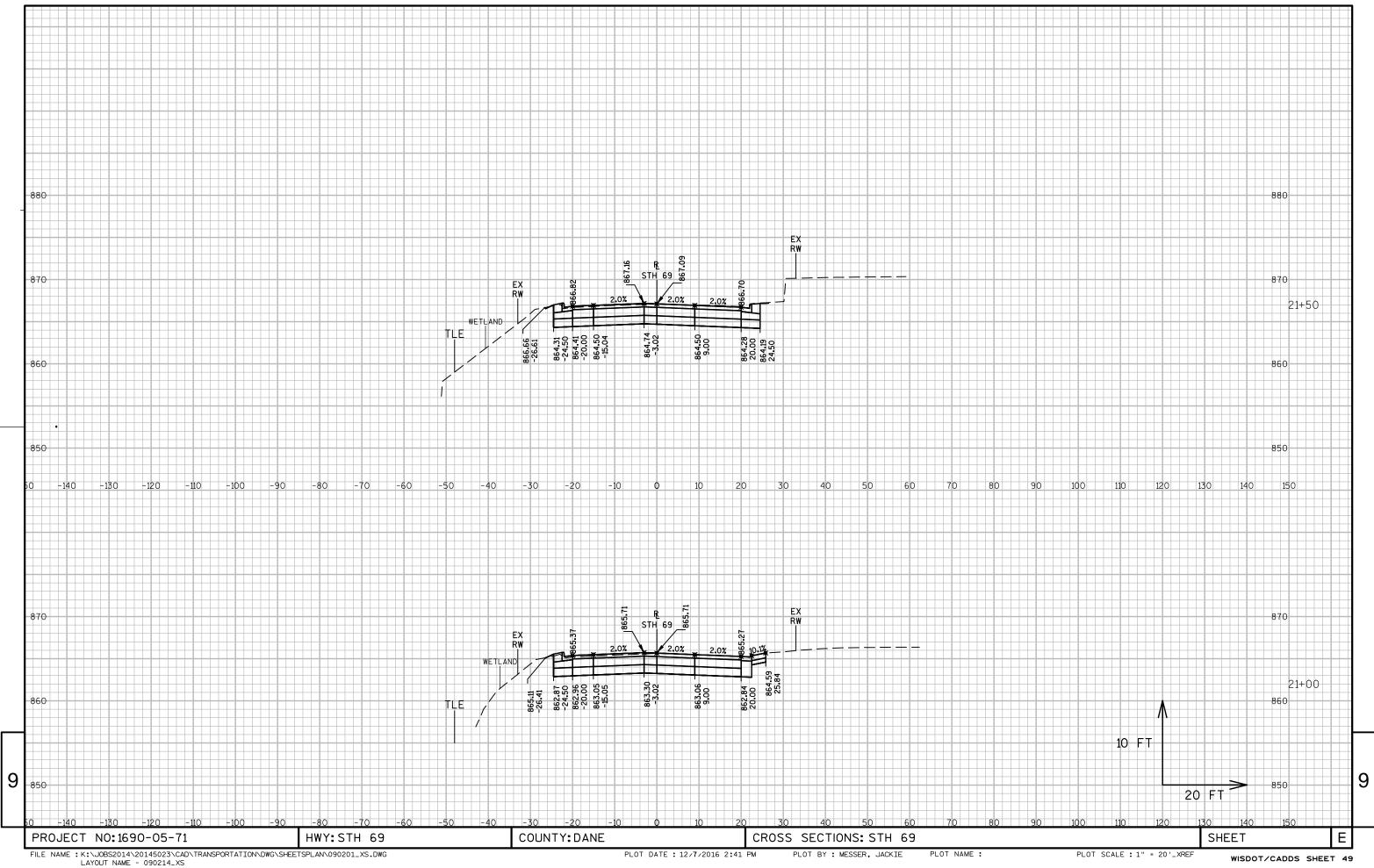


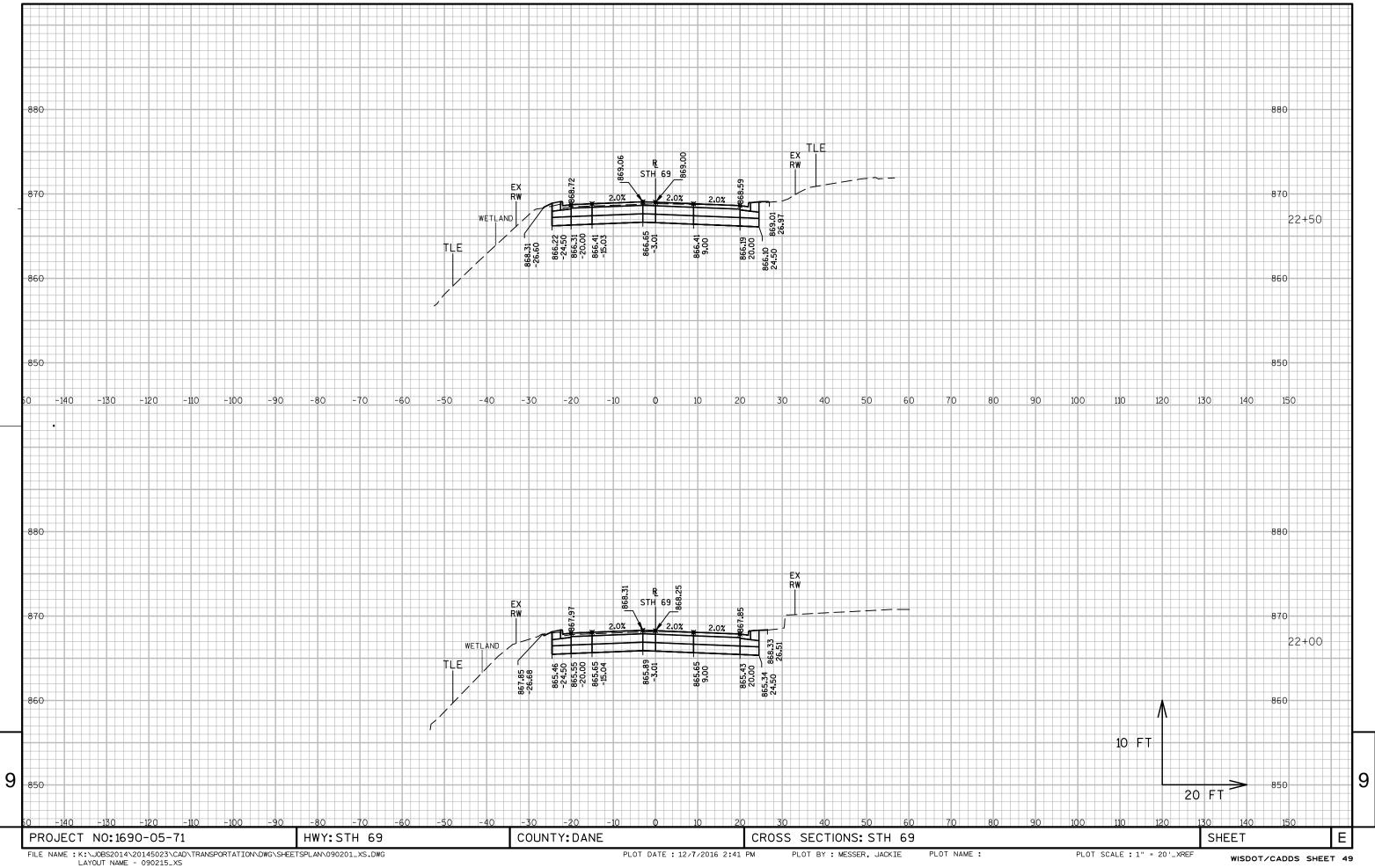


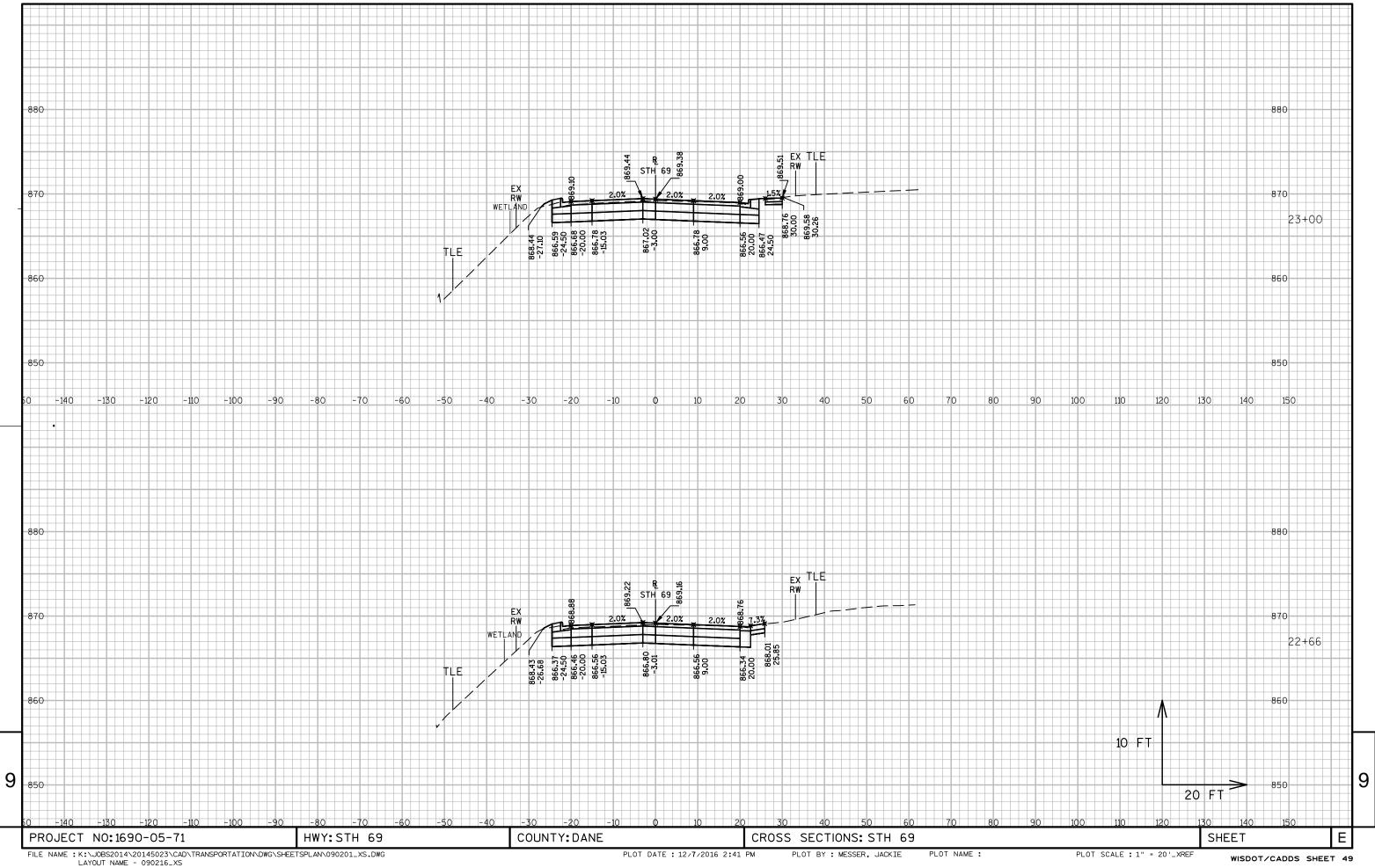


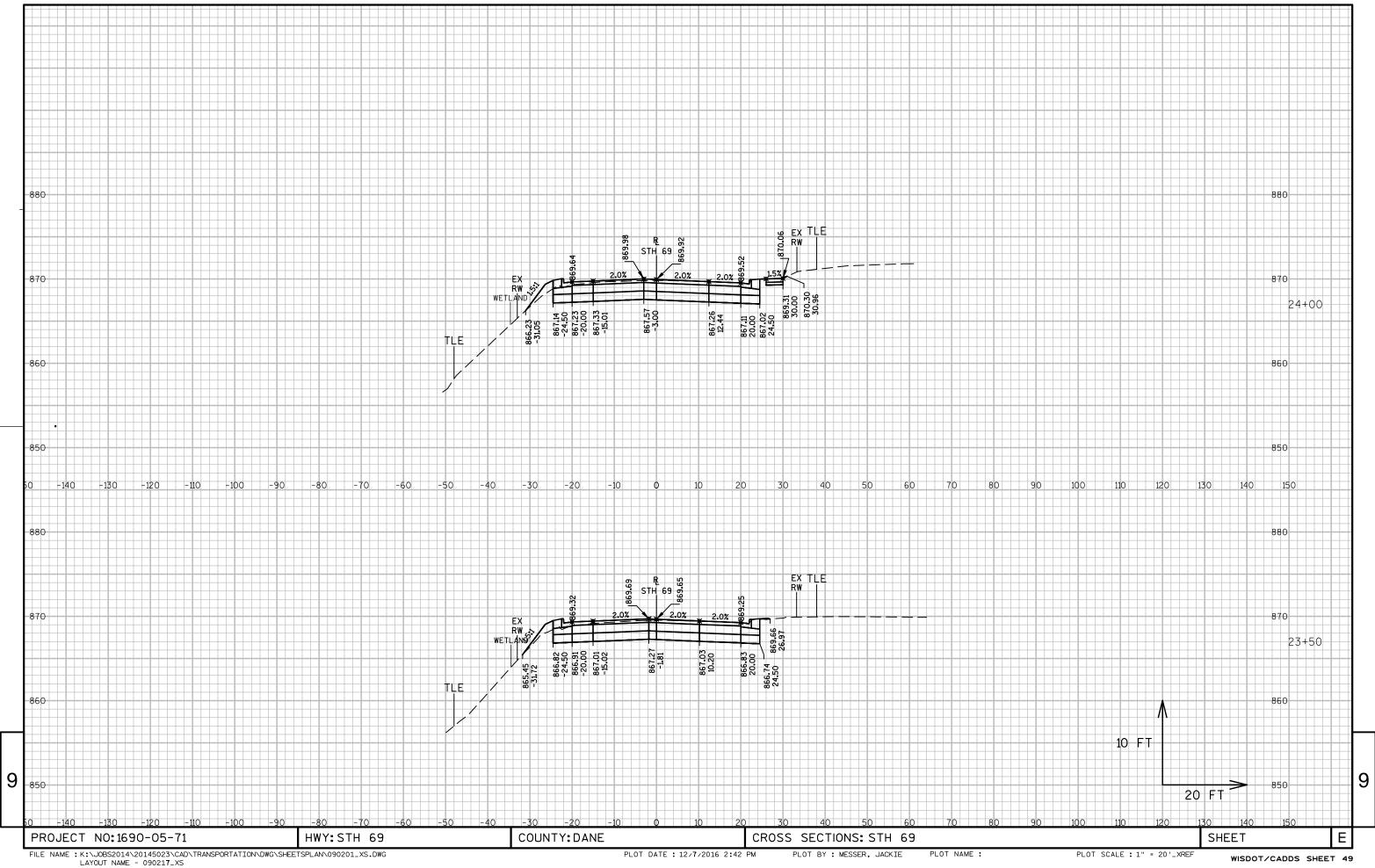


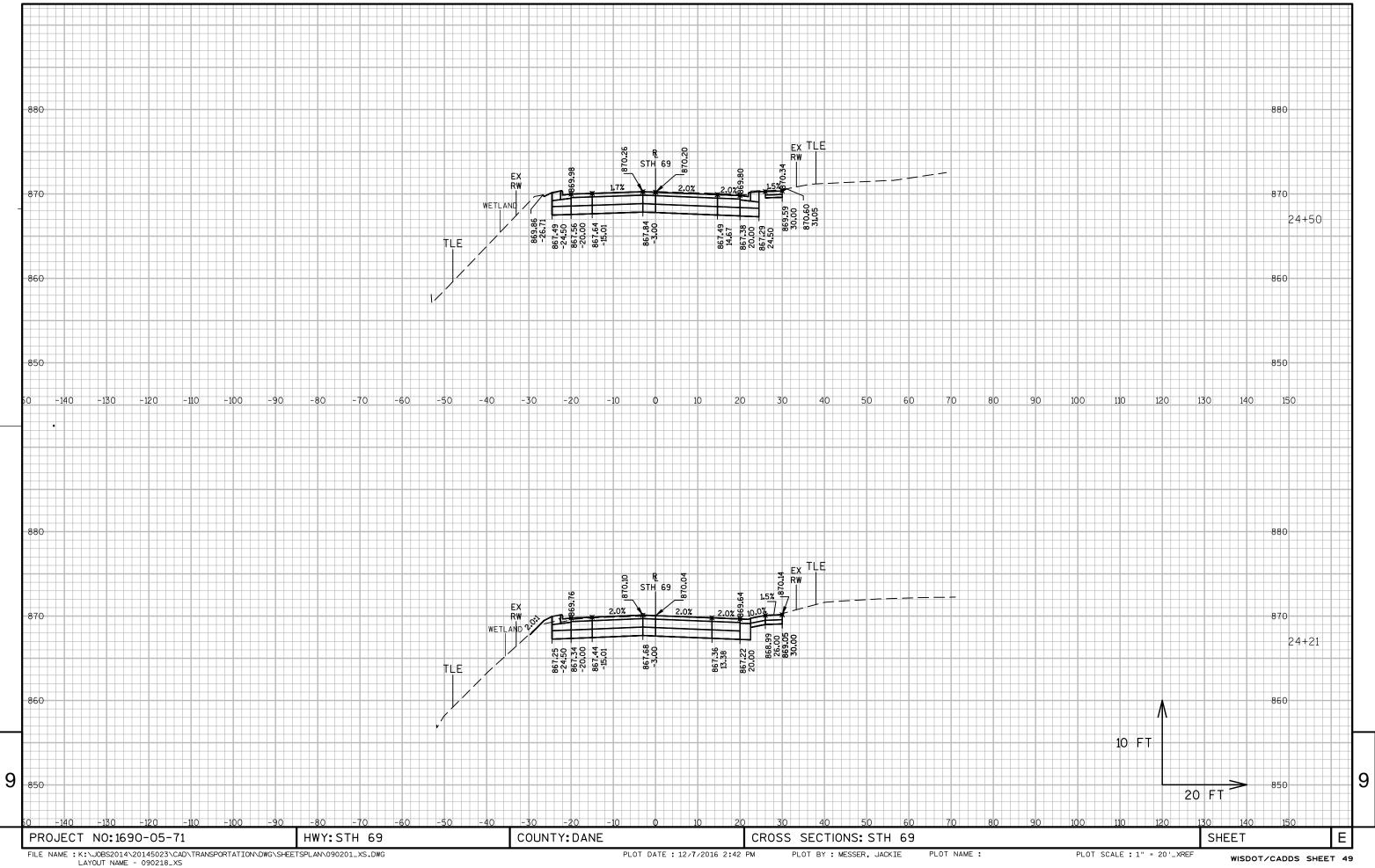


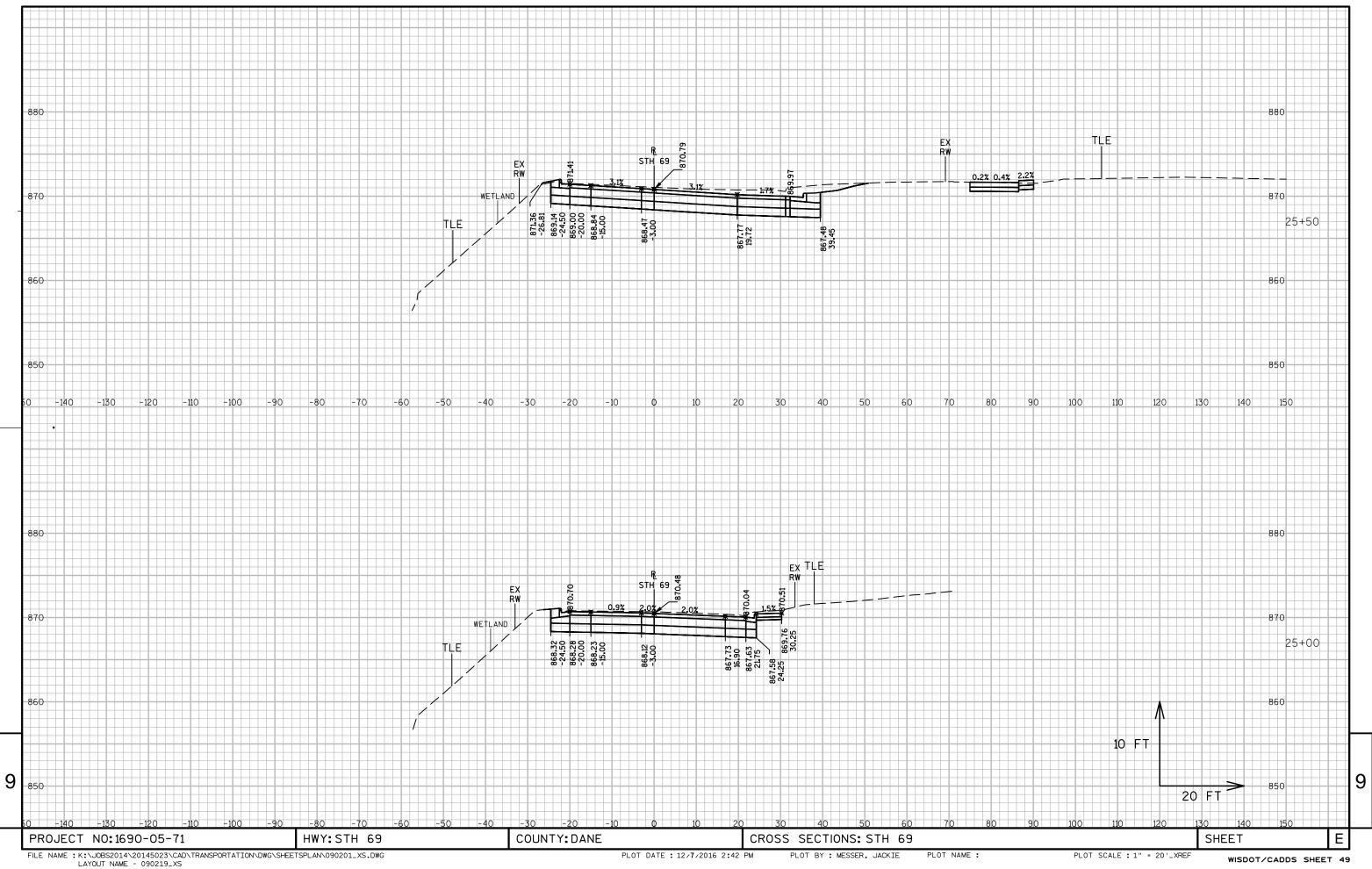


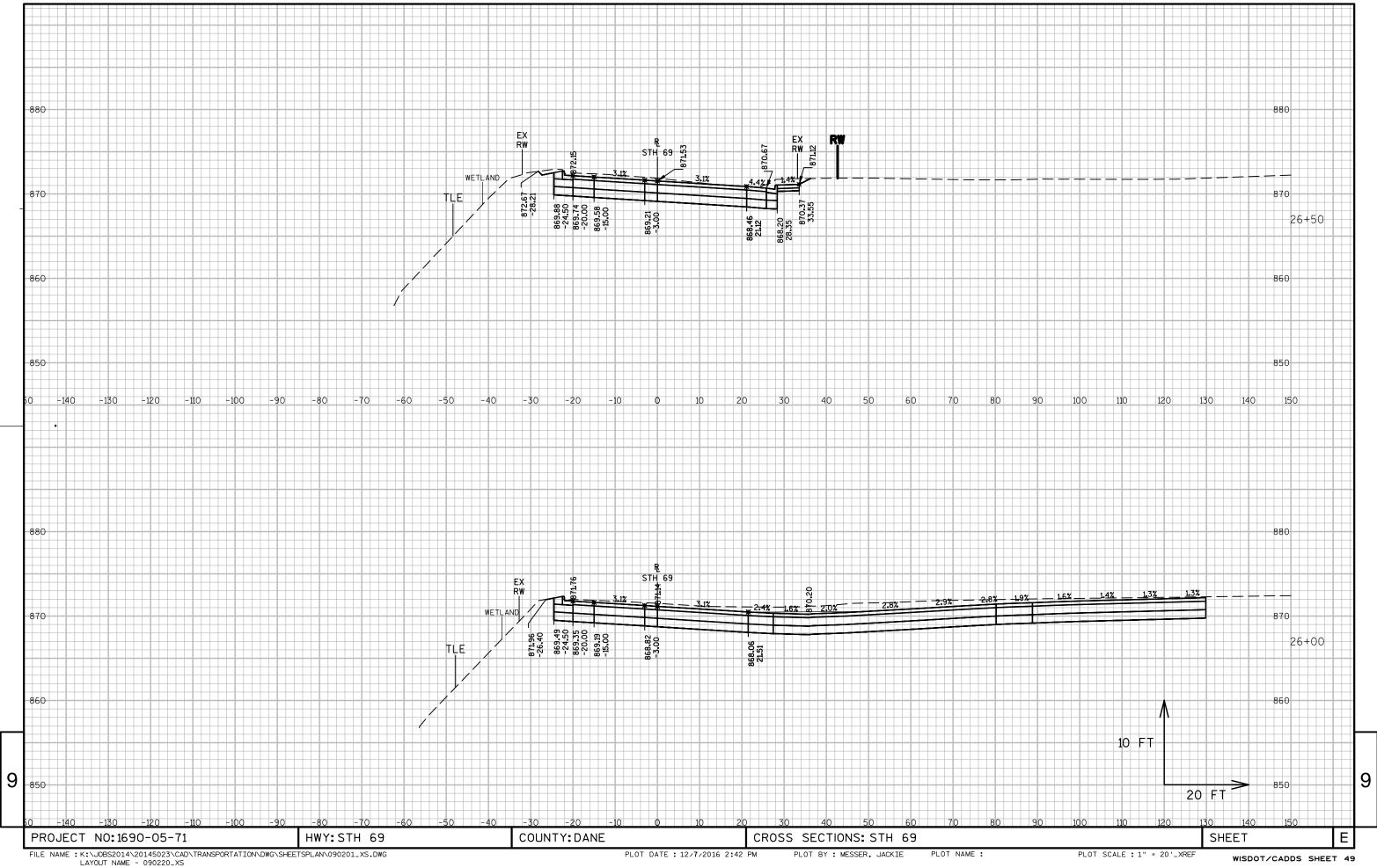


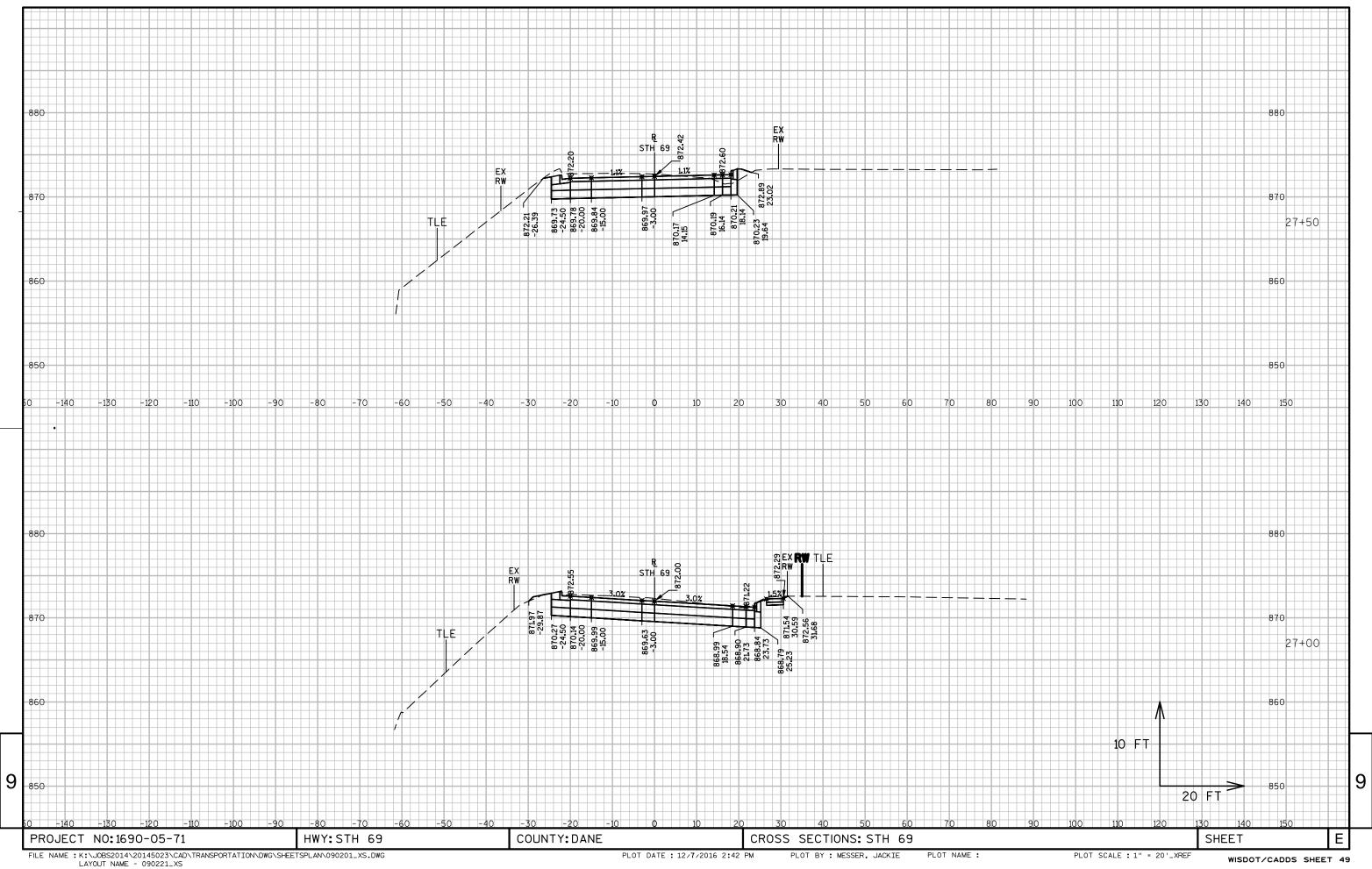


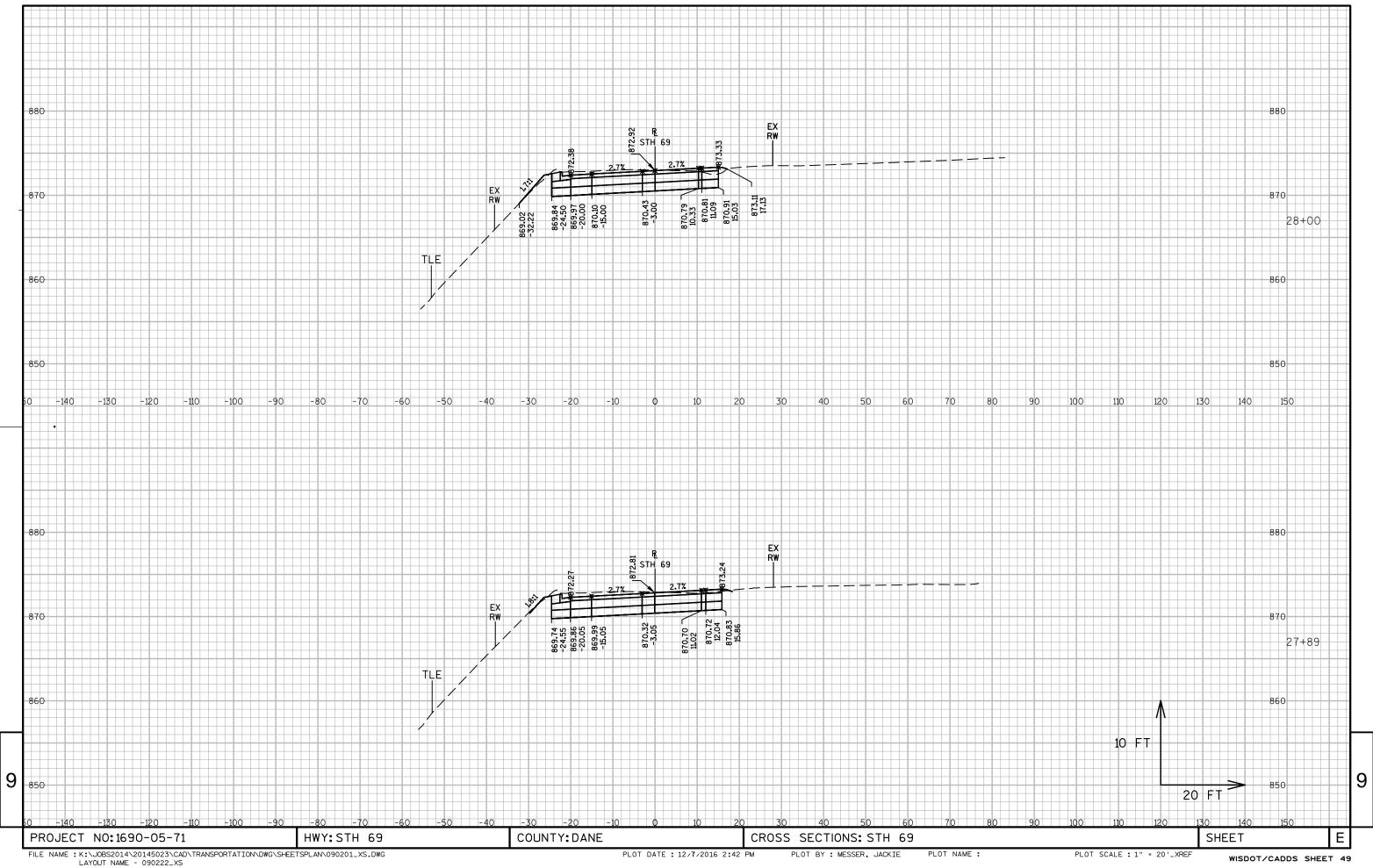


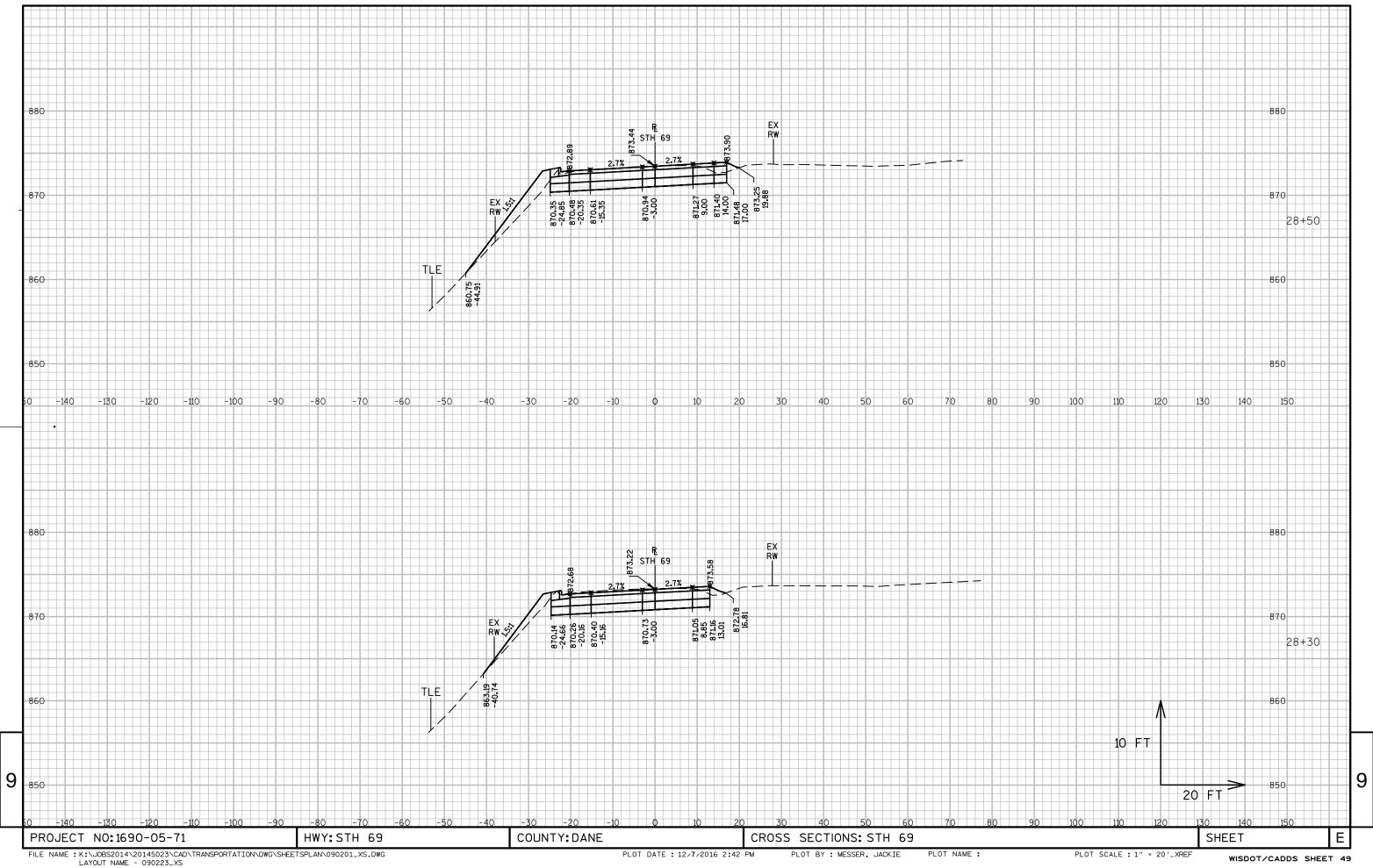


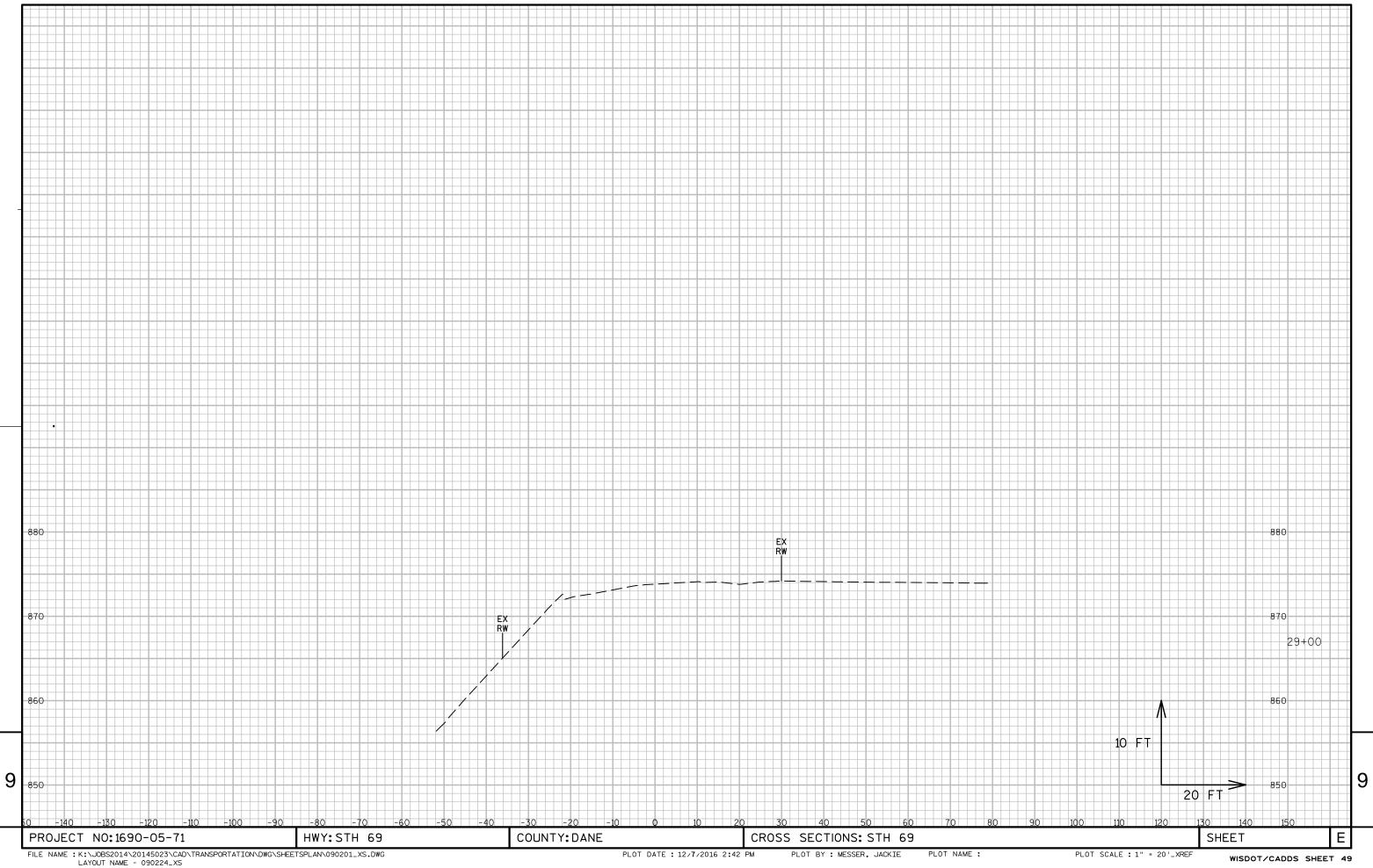


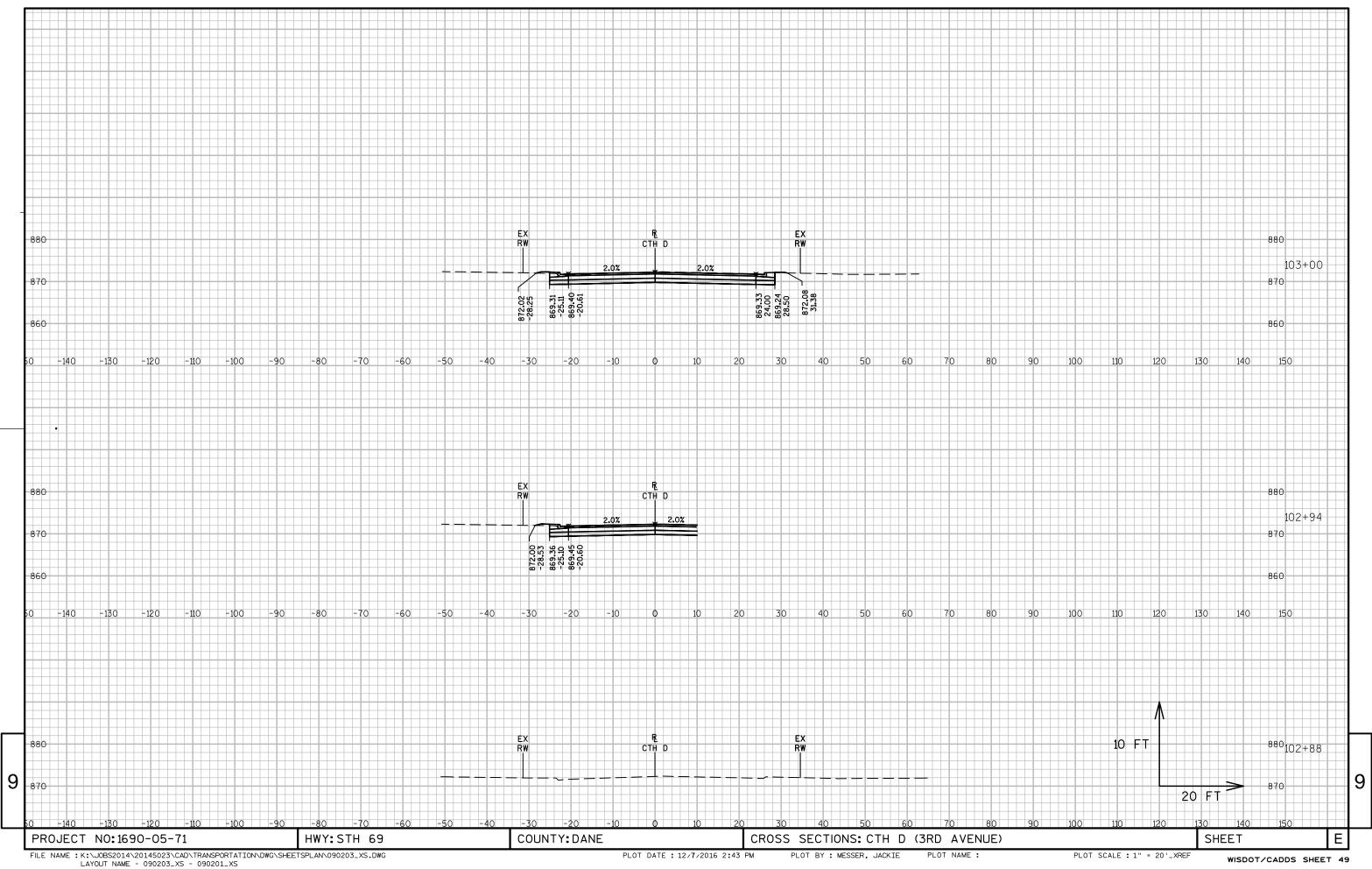


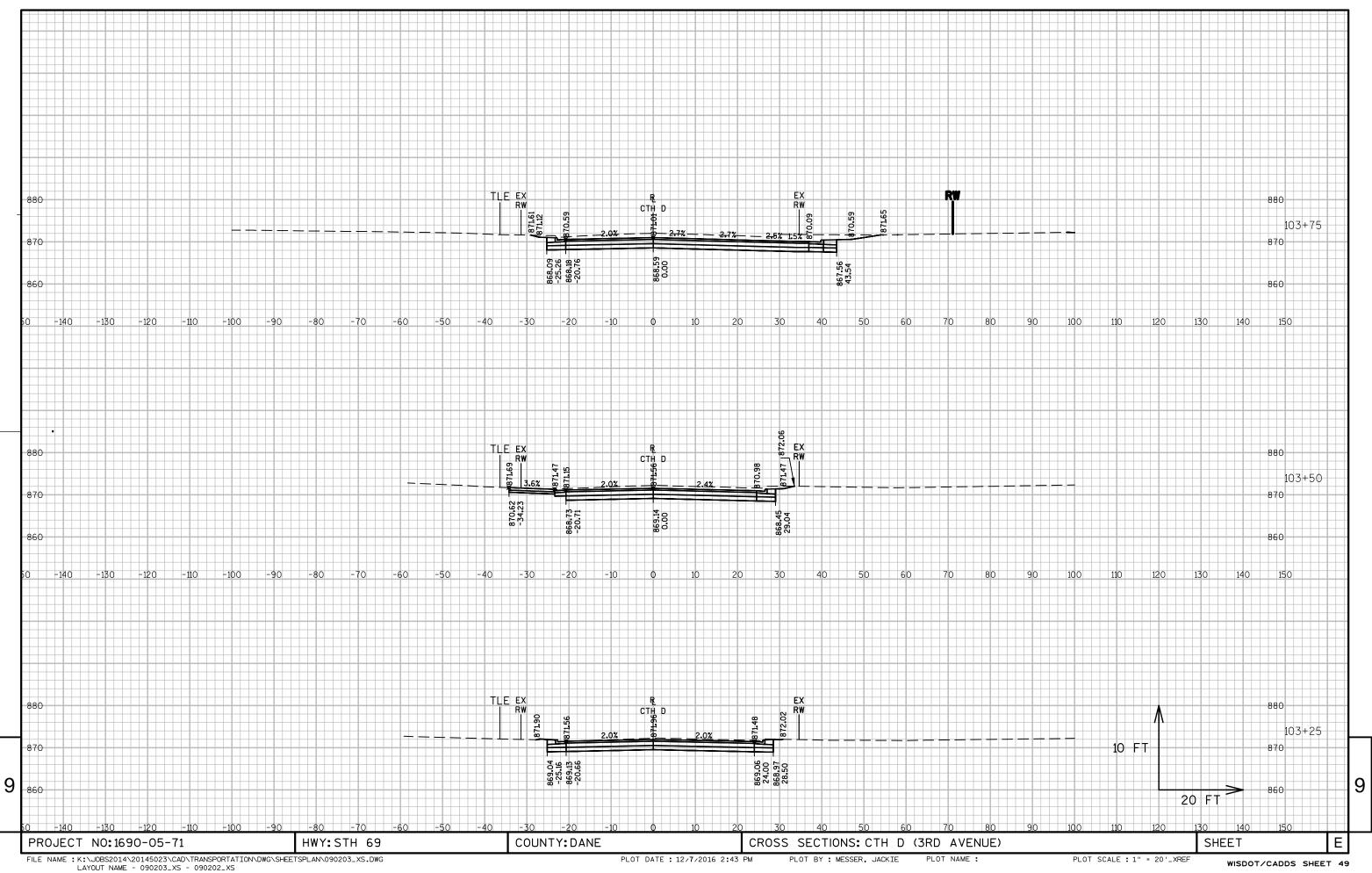


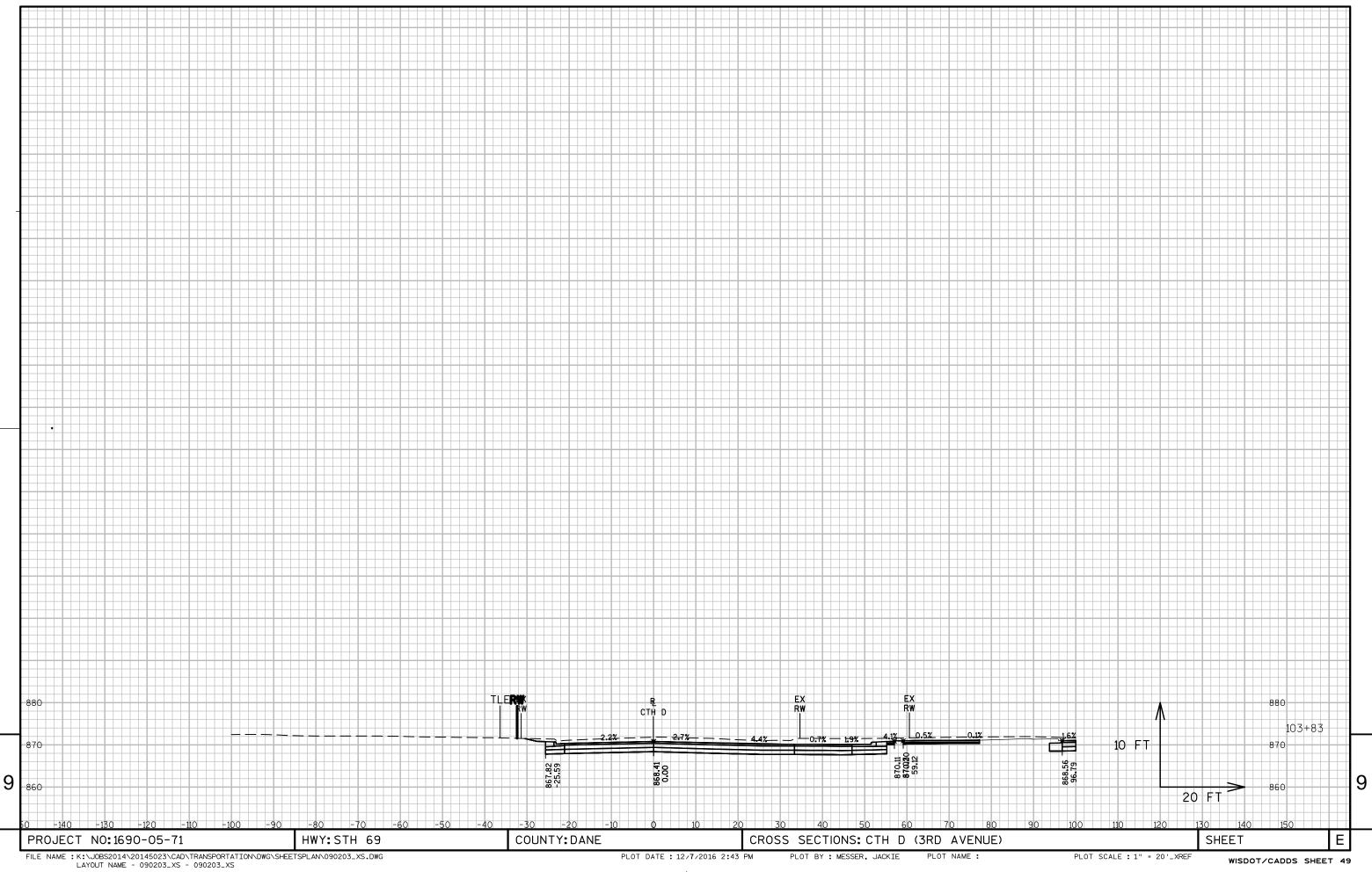


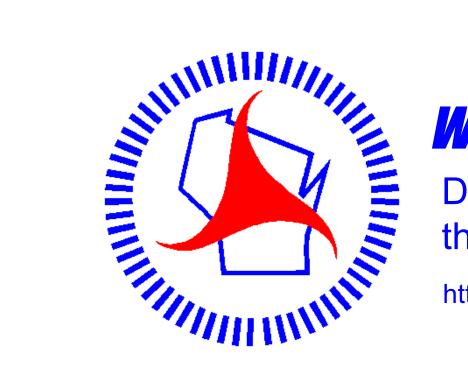










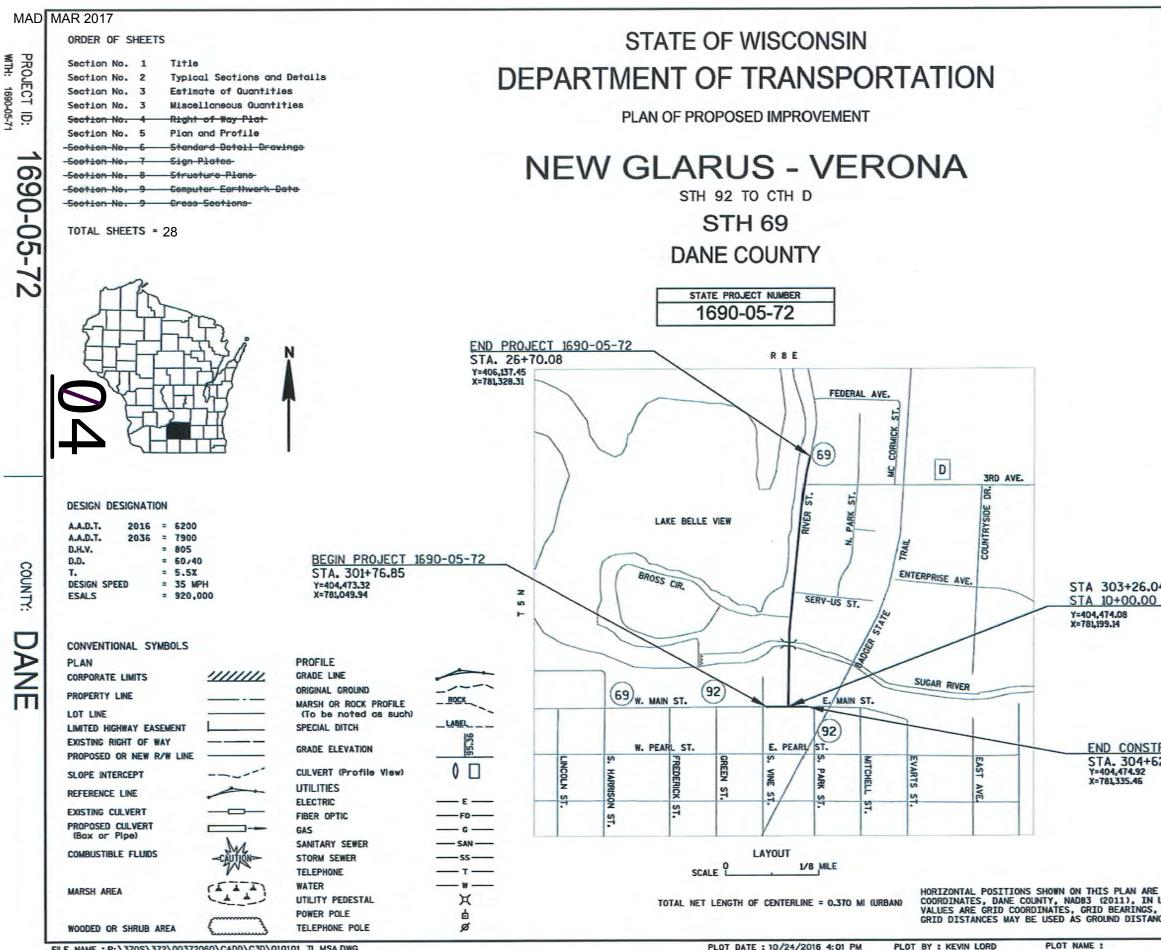


Wisconsin Department of Transportation

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<u>H 69</u>	KEVIN C LORD E-35533 MADISO WI SONAL (Date) STATE OF WIS DEPARTMENT OF TRA PREPARED BY Surveyor Designer Project Manoger Regional Examiner Regional Examiner Regional Supervisor BIL APPROVED FOR THE DEPARTMEN DATE: 10/2.4/2016	And Andrewson An

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM THE ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES OR FROM GRUBBING OF TREES OR STUMPS SHALL BE BACKFILLED WITH GRANULAR BACKFILL. BACKFILL GRANULAR MATERIAL IS INCIDENTAL TO THE REMOVAL ITEM.

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.

ALL FITTINGS USED FOR WATER MAIN INSTALLATION SHALL BE DUCTILE CAST IRON IN ACCORDANCE WITH AWWA C-110. STAINLESS STEEL OR COR-TEN BOLTS ARE TO BE USED ON ALL WATER MAIN FITTINGS. ALL JOINTS SHALL BE MEGA-LUG CLAMPS. MATERIAL SHALL BE INCIDENTAL AND PAID FOR ON THE SPECIFIC BID ITEM.

ALL DUCTILE IRON PIPE, FITTINGS, AND HYDRANT LEADS SHALL BE ENCASED IN 6 MIL POLYETHYLENE. POLYETHYLENE SHALL BE TAPED AT INTERVALS SUFFICIENT TO PREVENT SOIL FROM CONTACTING PIPE. MATERIAL SHALL BE INCIDENTAL TO THE PIPE AND FITTINGS PAID FOR ON SPECIFIC BID ITEMS.

ALL WATER MAIN SHALL BE DISINFECTED, TESTED, AND FLUSHED ACCORDING TO THE STANDARD SPECIFICATIONS. TESTING AND DISINFECTING SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE PIPE AND SHALL NOT BE PAID FOR SEPARATELY. REPEATING TESTING NECESSARY TO OBTAIN A CONFORMING TEST SHALL NOT BE CONSIDERED JUSTIFICATION FOR ANY EXTRA EXPENSE, CHANGE ORDER, OR CONTRACT TIME DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL TESTS WITHIN NORMAL WORKING HOURS, AND NO HYDROSTATIC PRESSURE TEST SHALL BE STARTED AFTER 4:00 PM.

HMA PAVEMENT WHERE INDICATED ON THE PLANS, SHALL CONSIST OF LAYERS AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.

5.0" DEPTH 3.0" OF HMA PAVEMENT 3MT 58-28 S, AS THE LOWER LAYER

2.0" OF HMA PAVEMENT 4MT 58-28 S, AS THE UPPER LAYER

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE OR PARKING LANE.

SILT FENCE SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

ASPHALT AND CONCRETE DRIVEWAYS SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PIROR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

INLET PROTECTION IS REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM TRAFFIC CONTROL COVERING SIGNS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

DISTANCE BEHIND CURB TO UTILITY POLES MAY REQUIRE CONCRETE CURB AND GUTTER TO BE HAND FORMED RATHER THAN SLIP FORMED. THIS WILL BE INCIDENTAL TO THE ITEM.

STANDARD	ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
ВМ	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CSCP	CORRUGATED STEEL CULVERT PIPE
CSPA	CORRUGATED STEEL PIPE ARCH
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
FE	FIELD ENTRANCE
HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
HMA	HOT MIX ASPHALT
INV	
	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
	NOT TO SCALE
PAVT	PAVEMENT
PB	PULL BOX
PC	POINT-OF-CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
	RIGHT OF WAY
	RADIUS
	REVERSE CROWN
	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL STORM SEWER
	REINFORCED CONCRETE PIPE - STORM SEWER
	REQUIRED
	RIGHT HAND FORWARD
	RUN OFF LENGTH
	RIGHT
SALV	SALVAGED
	SIGNAL BASE
SB	
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
	SQUARE FOOT
	STATION
	SQUARE YARD
	TANGENT LENGTH
	TOP OF CURB
TLE	TEMPORARY LIMITED EASEMENT

VILLAGE CONTACT VILLAGE OF BELLEVILLE TIM FRANCOIS 20 RIVER ST. PO BOX 79 BELLEVILLE, WI 53508 (608) 424-3666 TFRANCOIS VILLAGE OF BELLEVILLE.COM

DEPT. OF NATURAL RESOURCES

WISCONSIN DEPT. OF NATURAL RESOURCES ERIC HEGGELUND 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711 (608) 275-3301 ERIC.HEGGELUNDOWISCONSIN.GOV

WISDOT CONTACT WISCONSIN DEPT OF TRANSPORTATION, SW REGION MAHESH SHRESTHA 2101 WRIGHT STREET MADISON, WI 53704 (608) 245-2674 MAHESH.SHRESTHACDOT.WI.GOV

DESIGN CONTACT MSA PROFESSIONAL SERVICES KEVIN LORD 2901 INTERNATIONAL LANE, SUITE 300 MADISON, WI 53704 (608) 242-7779 KLORDEMSA-PS.COM

SECTION 2 ORDER OF SHEETS

GENERAL NOTES PROJECT OVERVIEW REMOVALS AND EROSION CONTROL WATER MAIN PLAN TYPICALS AND PAVEMENT MARKING CONSTRUCTION DETAILS TRAFFIC CONTROL/DETOUR ALIGNMENT PLAN

GENERAL NOTES



TLE

PLOT DATE : 9/30/2016 2:59 PM PLOT BY : KEVIN LORD PLOT NAME :

UTILITIES

COMMUNICATION LINE CHARTER COMMUNICATIONS BRANDON STORM 2701 DANIELS ST MADISON, WI 53718 (608) 274-3822 BRANDON.STORMCHARTERCOM.COM 2

COMMUNICATION LINE FRONTIER COMMUNICATIONS OF WI LLC. ROBERT CHURCH 2222 WEST WISCONSIN ST. PORTAGE, WI 53901 (608) 742-1817 ROBERT.CHURCHOFTR.COM

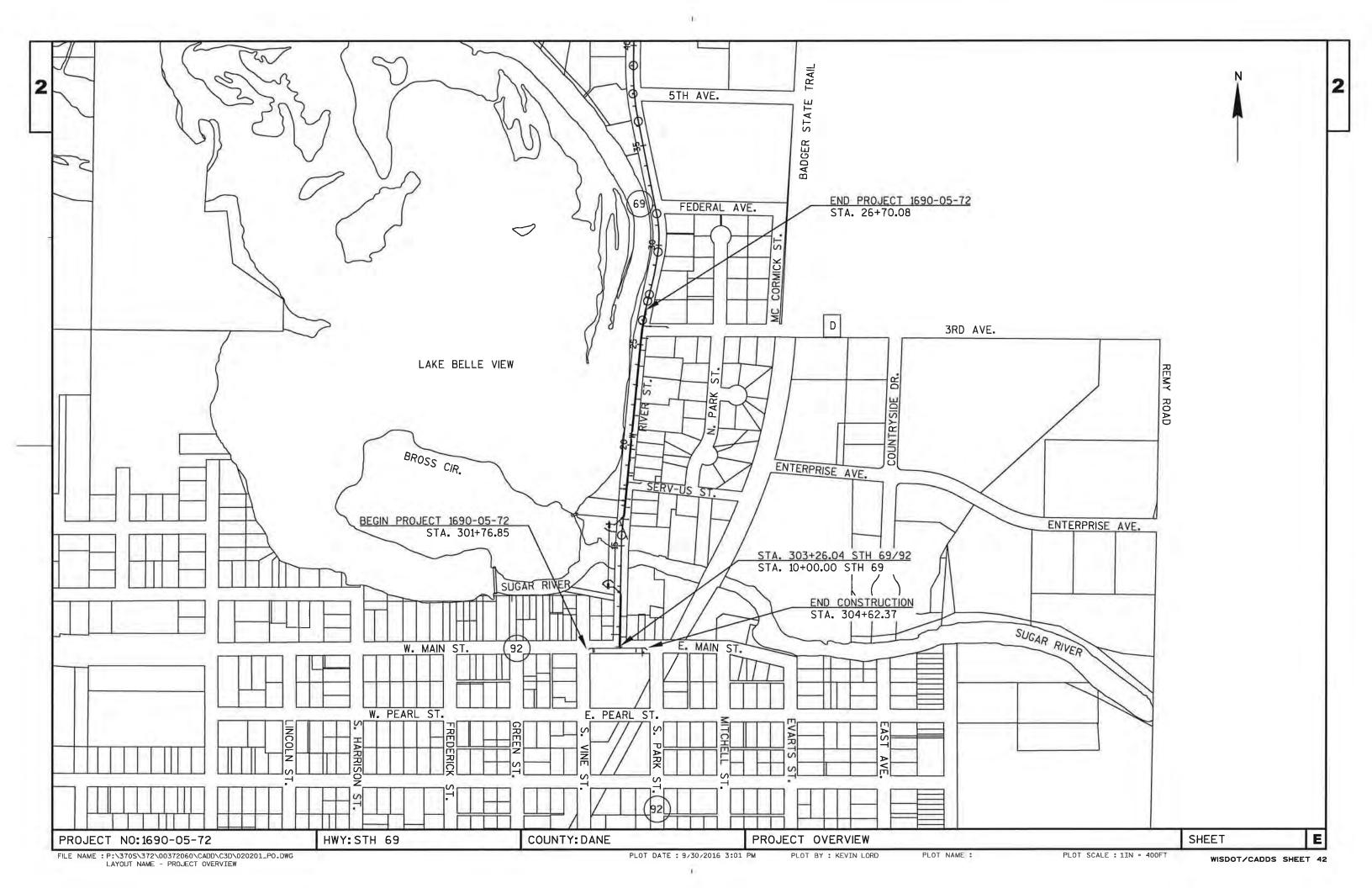
ELECTRICITY ALLIANT ENERGY JASON HOGAN 4902 N BILTMORE LN. SUITE 1000 MADISON, WI 53718 (608) 458-4871 JASONHOGAN@ALLIANTENERGY.COM

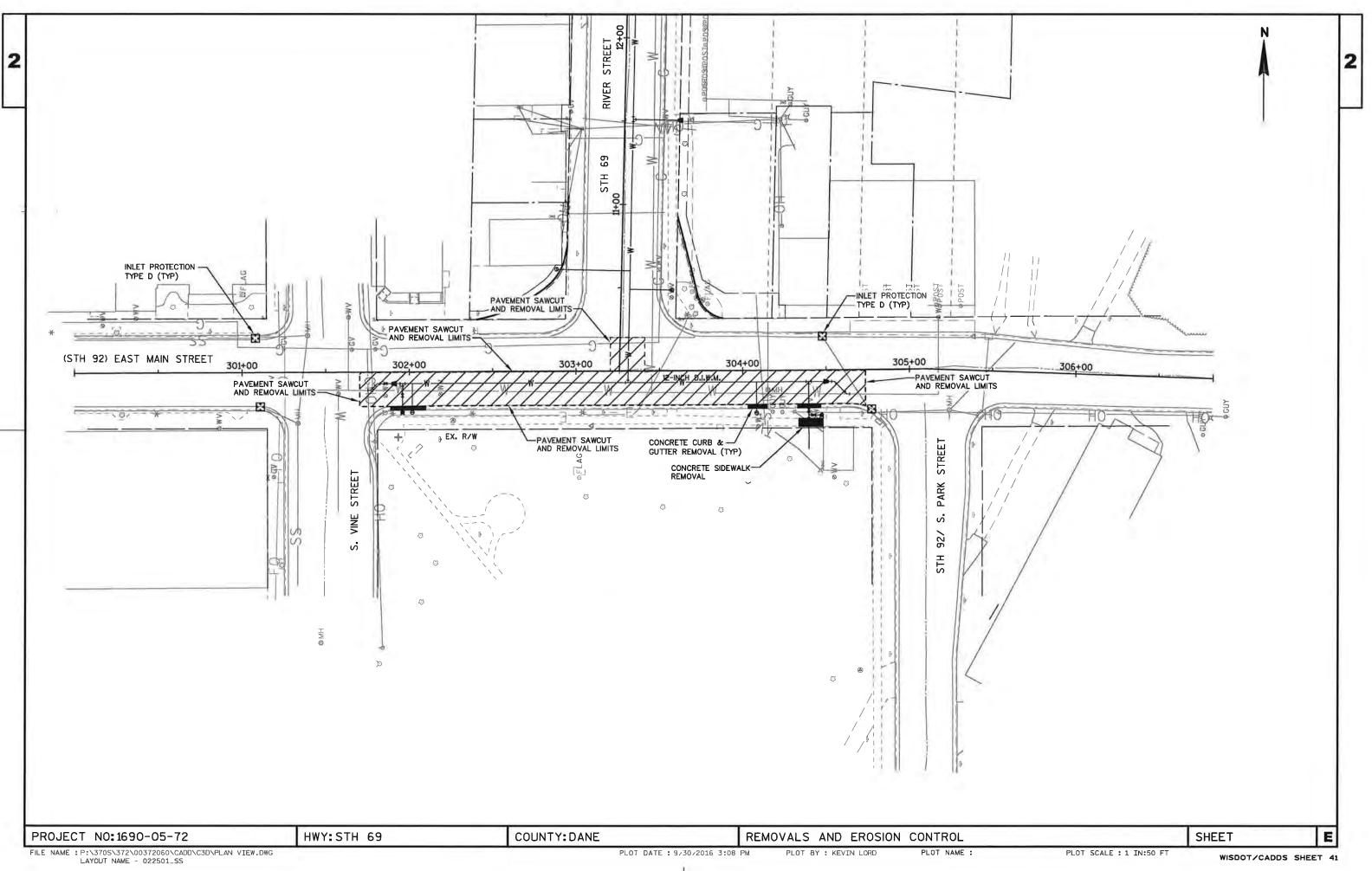
WE ENERGIES LATROY BRUMFIELD 333 WEST EVERETT ST. ROOM A299 MILWAUKEE, WI 53203 (414) 221-5617 LATROY.BRUMFIELDOWE-ENERGIES.COM

WATER/SANITARY VILLAGE OF BELLEVILLE TIM FRANCOIS 20 RIVER ST. PO BOX 79 BELLEVILLE, WI 53508 (608) 424-3666 TFRANCOIS@VILLAGEOFBELLEVILLE.COM

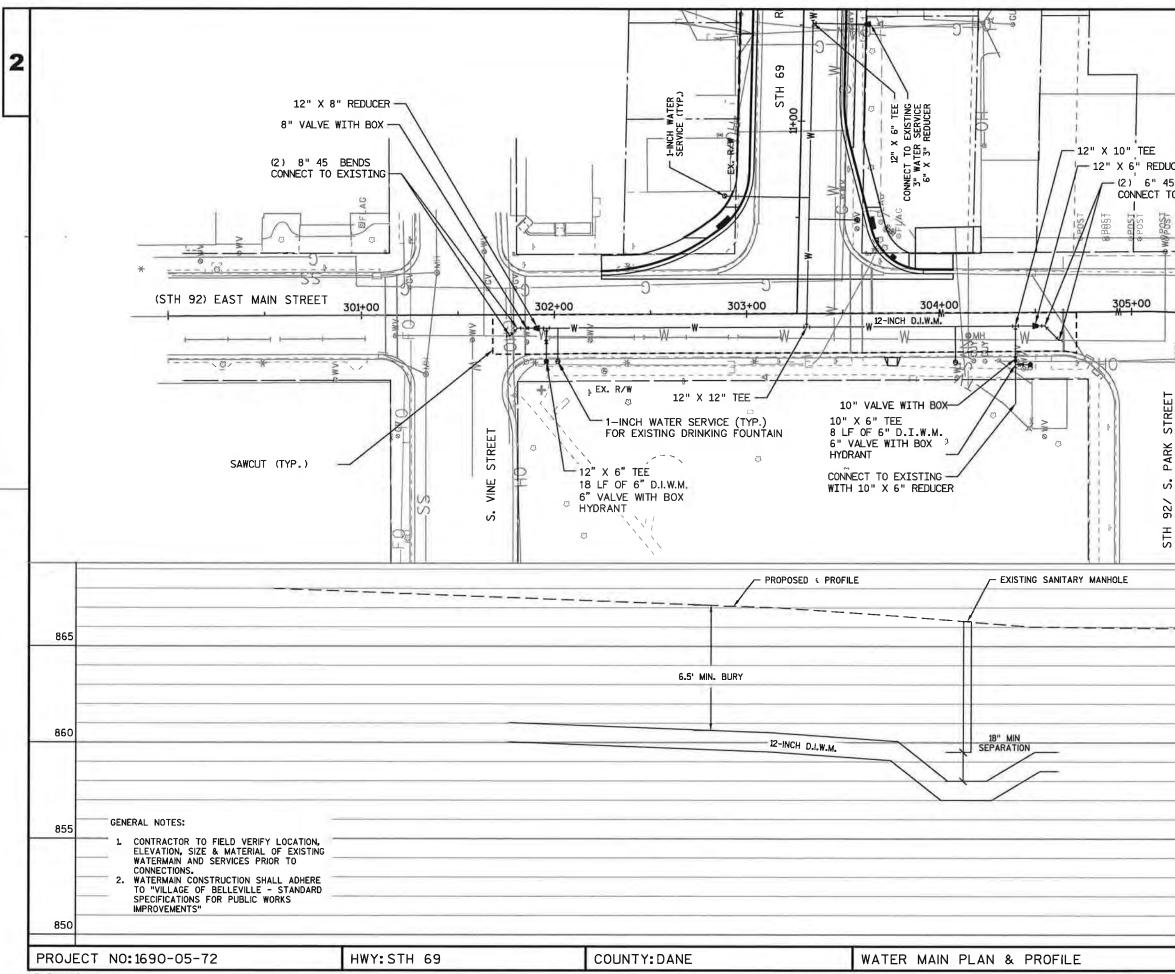
WHERE MENTIONED ELSEWHERE IN THE SPECIFICATIONS OR PLANS, THE "STANDARD SPECIFICATION" SHALL REFER TO THE LATEST EDITION OF THE STATE OF WISCONSIN: "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION," AND THE LATEST AMENDMENTS (STATE SPECIFICATIONS) AND THE "VILLAGE OF BELLEVILLE STANDARD SPECIFICATIONS FOR PUBLIC WORKS IMPROVEMENTS" LAST REVISED IN APRIL 2007, (VILLAGE SPECIFICATIONS). IN INSTANCES WHERE THE STATE AND VILLAGE SPECIFICATION CONFLICT, THE STATE SPECIFICATION SHALL SUPERSEDE.





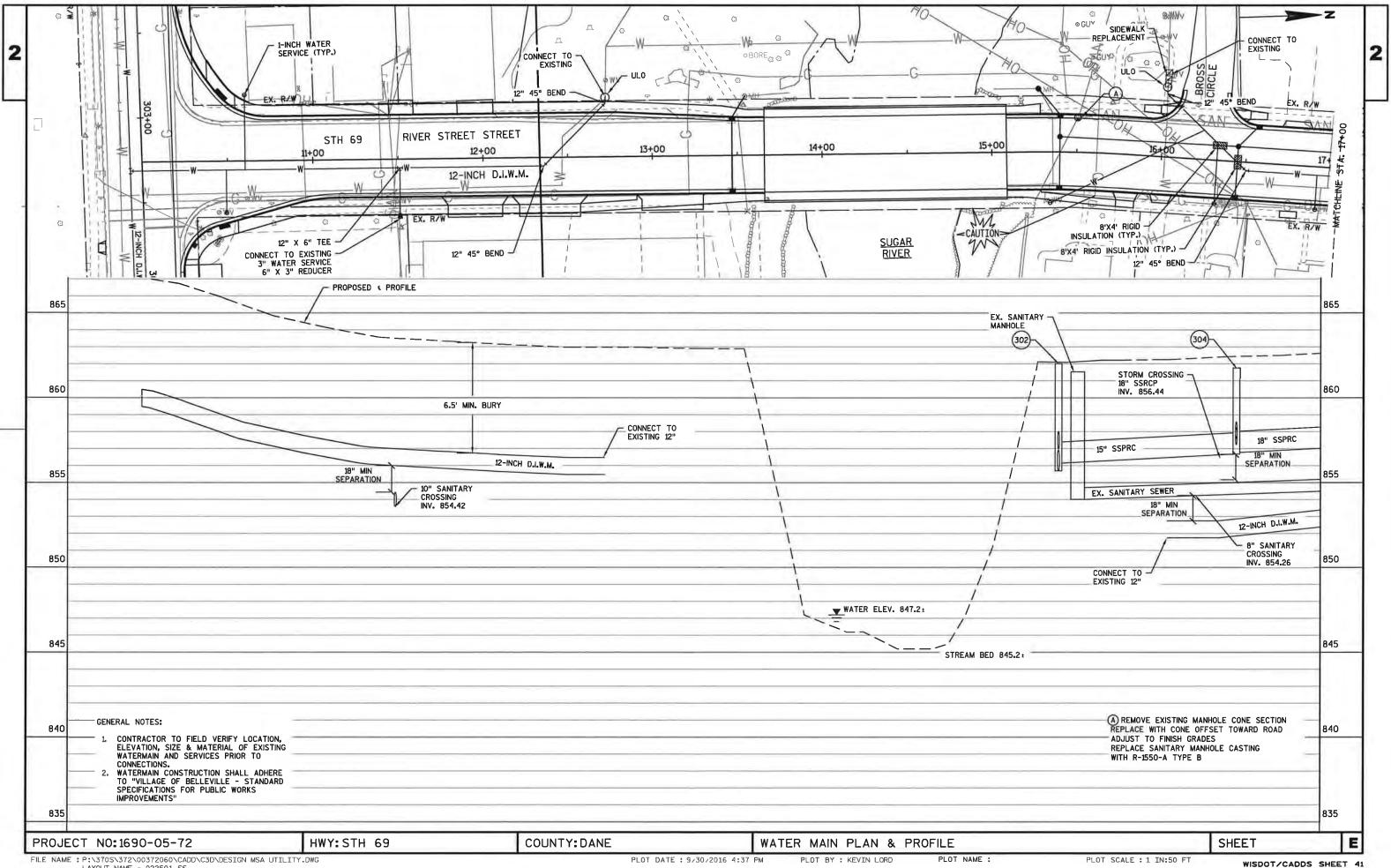


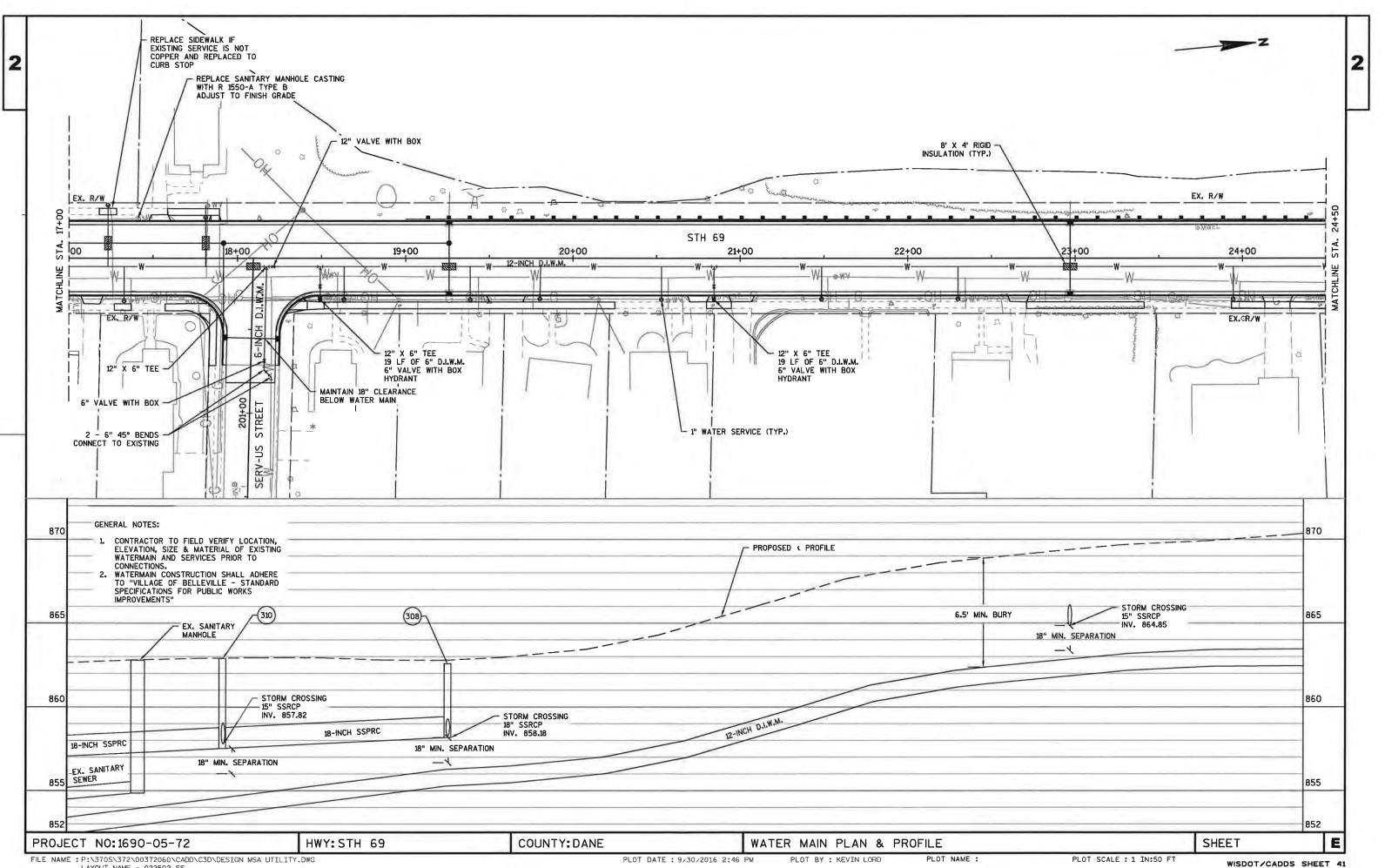
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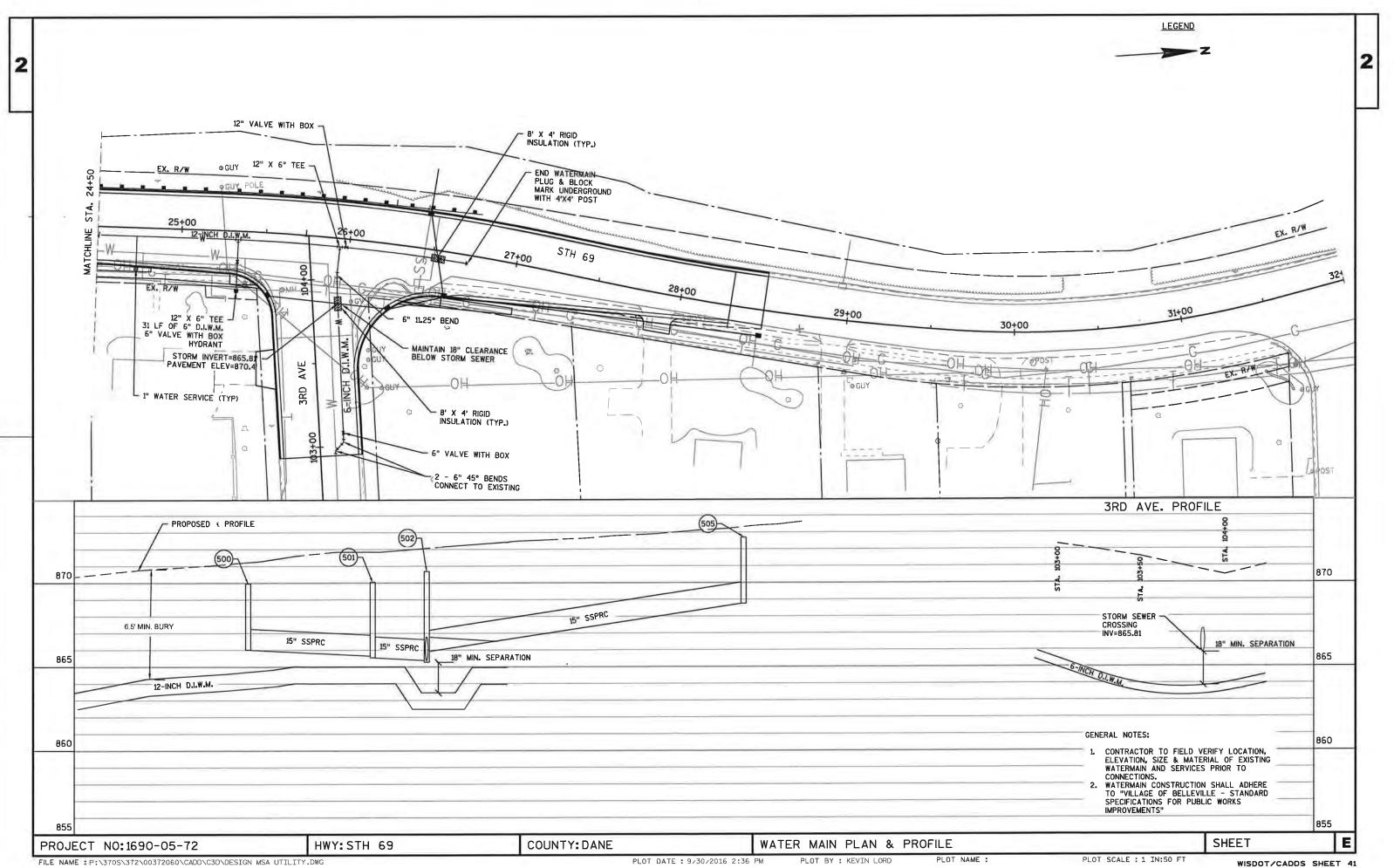
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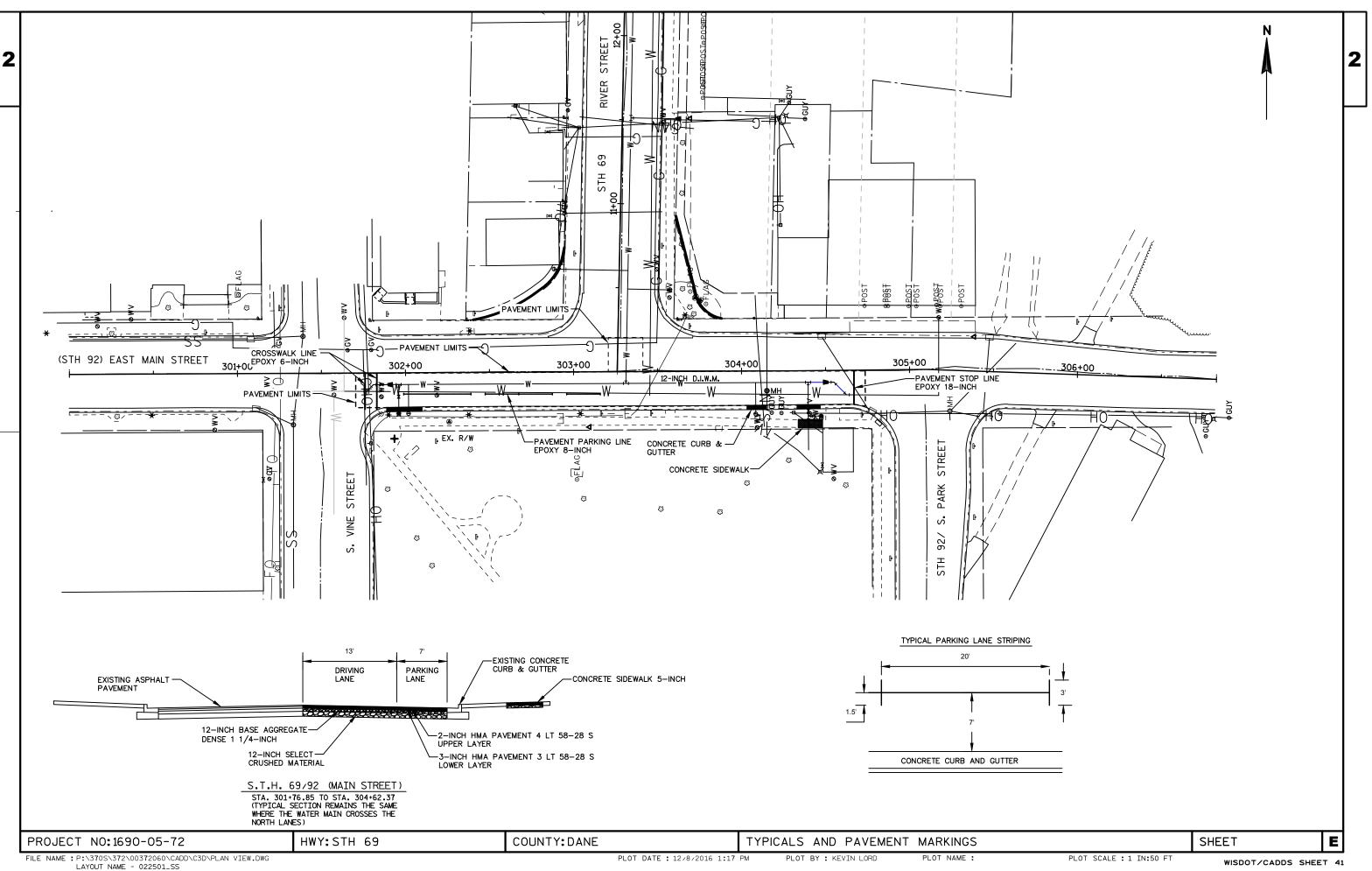
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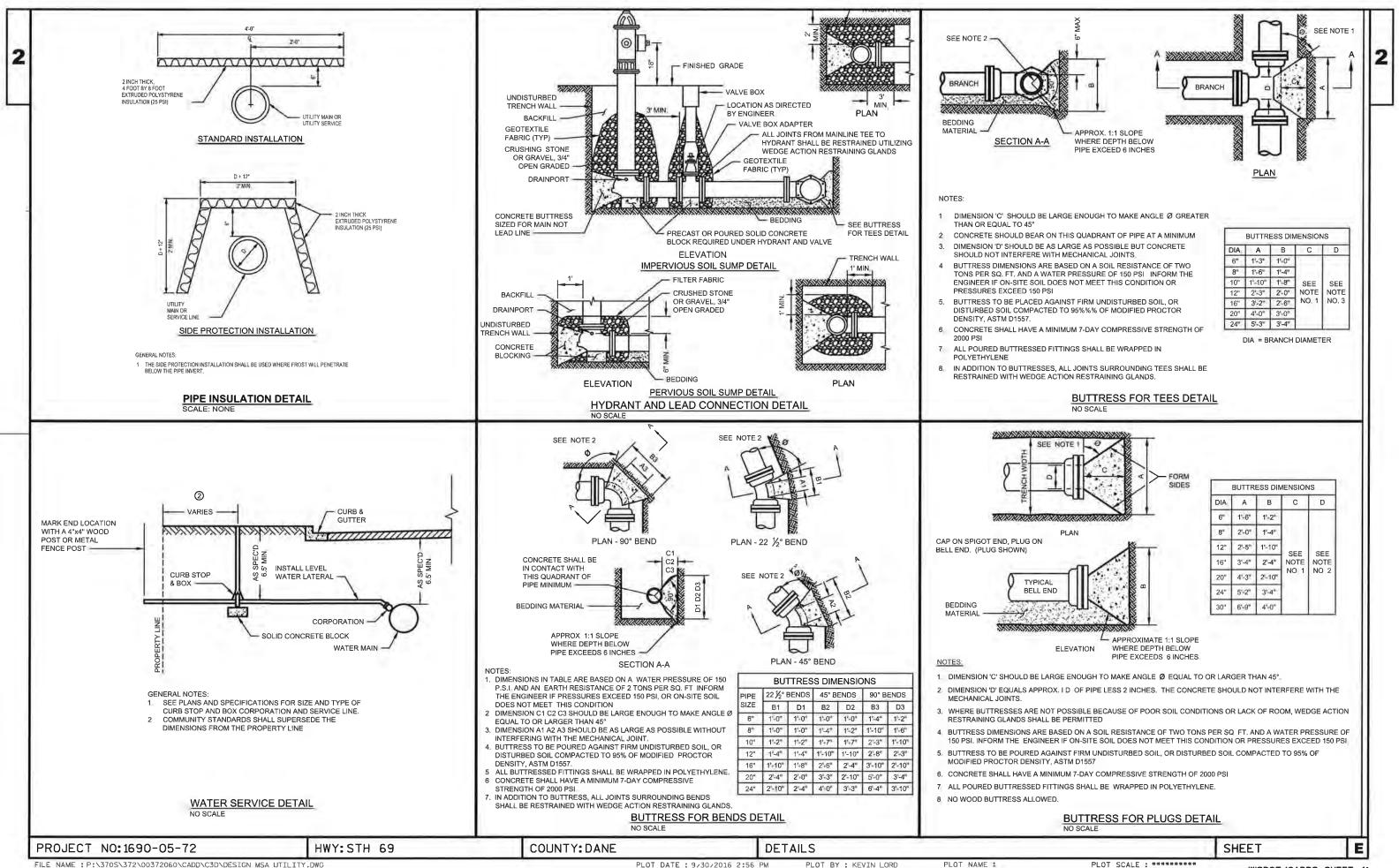


LAYOUT NAME - 022502_SS





PLOT DATE : 12/8/2016 1:17 PM PLOT BY : KEVIN LORD



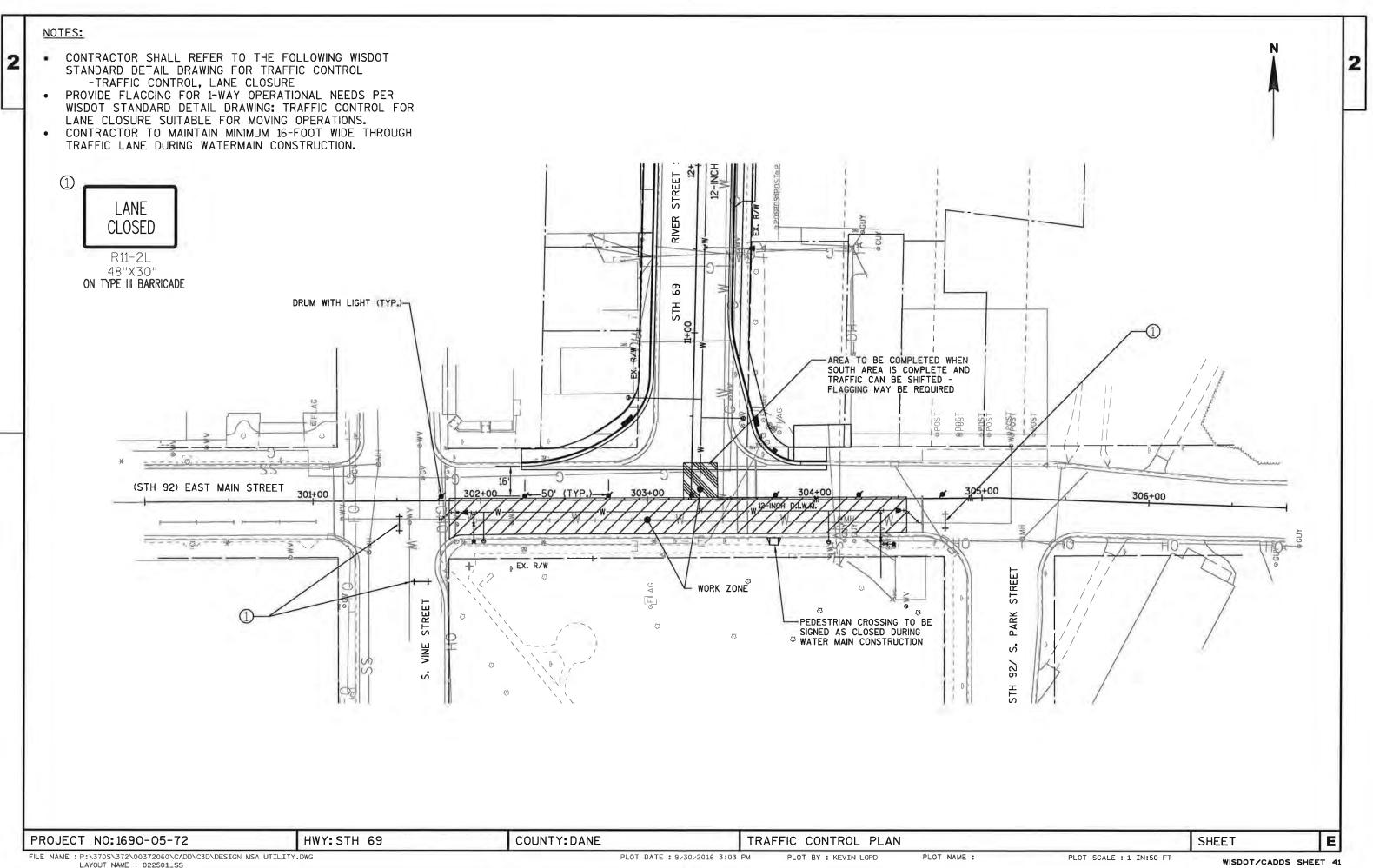
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12"	2'-3"	2.0	NOTE	NOTE				
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20"	4'-0"	3"-0"						
24"	5'-3"	3'-4"						

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AI	A	В	С	D			
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8	2'-0"	1"-4"		SEE NOTE			
2"	2°-5"	1-10	SEE				
6"	3'-4"	2-4	NOTE				
20"	4'-3"	2-10"	NO 1	NO 2			
4"	5"-2"	3°-4"					
0"	6"-9"	4"-0"					

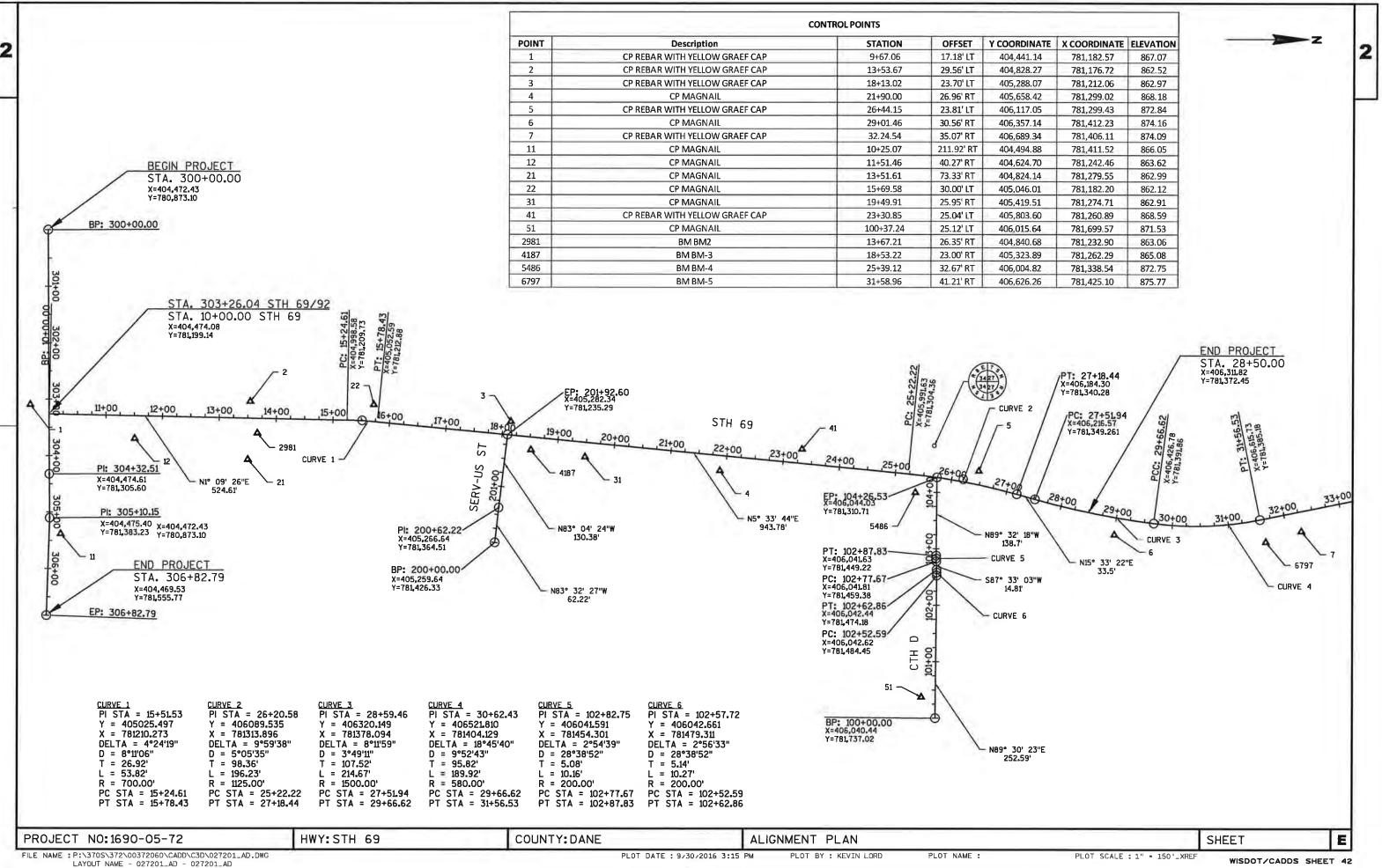
PLOT SCALE : **********

PLOT DATE : 9/30/2016 2:56 PM



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LAYOUT NAME - 022501_SS



					1690-05-72
Line	Item	Item Description	Unit	Total	Qty
0050	204.0100	Removing Pavement	SY	718.000	718.000
0070	204.0150	Removing Curb & Gutter	LF	35.000	35.000
0080	204.0155	Removing Concrete Sidewalk	SY	115.000	115.000
0170	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	600.000	600.000
0240	460.2000	Incentive Density HMA Pavement	DOL	130.000	130.000
0260	460.5223	HMA Pavement 3 LT 58-28 S	TON	117.000	117.000
0270	460.5224	HMA Pavement 4 LT 58-28 S	TON	78.000	78.000
0390	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	35.000	35.000
0410	602.0410	Concrete Sidewalk 5-Inch	SF	115.000	115.000
0620	619.1000	Mobilization	EACH	0.100	0.100
0640	625.0100	Topsoil	SY	200.000	200.000
0730	628.7020	Inlet Protection Type D	EACH	4.000	4.000
0750	629.0210	Fertilizer Type B	CWT	0.250	0.250
0760	630.0140	Seeding Mixture No. 40	LB	5.000	5.000
0910	643.0100	Traffic Control (project) 02. 1690-05-72	EACH	1.000	1.000
0920	643.0300	Traffic Control Drums	DAY	98.000	98.000
0930	643.0420	Traffic Control Barricades Type III	DAY	42.000	42.000
1110	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	20.000	20.000
1120	647.0656	Pavement Marking Parking Stall Epoxy	LF	124.000	124.000
1140	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	40.000	40.000
1230	690.0150	Sawing Asphalt	LF	400.000	400.000
1240	690.0250	Sawing Concrete	LF	30.000	30.000
1290	SPV.0060	Special 01. Remove & Salvage Existing Casting Frames & Grates	EACH	2.000	2.000
1300	SPV.0060	Special 02. Sanitary Manhole Casting R-1550-A	EACH	2.000	2.000
1310	SPV.0060	Special 03. Sanitary Manhole Chimney Seal	EACH	2.000	2.000
1320	SPV.0060	Special 04. Remove & Replace Sanitary Manhole Cone Section	EACH	1.000	1.000
1330	SPV.0060	Special 05. Adjust Casting	EACH	2.000	2.000
1340	SPV.0060	Special 06. Remove & Salvage Existing Hydrant	EACH	4.000	4.000
1350	SPV.0060	Special 07. Utility Line Opening - ULO	EACH	2.000	2.000
1360	SPV.0060	Special 08. 12-Inch D.I. 45 Deg. Bend	EACH	4.000	4.000
1370	SPV.0060	Special 09. 8-Inch D.I. 45 Deg. Bend	EACH	2.000	2.000
1380	SPV.0060	Special 10. 6-Inch D.I. 45 Deg. Bend	EACH	6.000	6.000
1390	SPV.0060	Special 11. 6-Inch D.I. 11.25 Deg. Bend	EACH	1.000	1.000
1400	SPV.0060	Special 12. 12-Inch x 12-Inch D.I. Tee	EACH	1.000	1.000
1410	SPV.0060	Special 13. 12-Inch x 10-Inch D.I. Tee	EACH	1.000	1.000
1420	SPV.0060	Special 14. 12-Inch x 6-Inch D.I. Tee	EACH	7.000	7.000
1430	SPV.0060	Special 15. 10-Inch x 6-Inch D.I. Tee	EACH	1.000	1.000
1440	SPV.0060	Special 16. 12-Inch D.I. Cap	EACH	1.000	1.000
		- I			

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					1690-05-72
Line	Item	Item Description	Unit	Total	Qty
1450	SPV.0060	Special 17. 12-Inch x 8-Inch D.I. Reducer	EACH	1.000	1.000
1460	SPV.0060	Special 18. 12-Inch x 6-InchD.I. Reducer	EACH	1.000	1.000
1470	SPV.0060	Special 19. 10-Inch x 6-Inch D.I. Reducer	EACH	1.000	1.000
1480	SPV.0060	Special 20. 6-Inch x 3-Inch D.I. Reducer	EACH	1.000	1.000
1490	SPV.0060	Special 21. Water Service Tap W/Corp Stop 1-Inch	EACH	18.000	18.000
1500	SPV.0060	Special 22. Curb Stop and Box 1-Inch	EACH	18.000	18.000
1510	SPV.0060	Special 23. 12-Inch Valve and Box W/Alignment Saddle	EACH	2.000	2.000
1520	SPV.0060	Special 24. 10-Inch Valve and Box W/Alignment Saddle	EACH	1.000	1.000
1530	SPV.0060	Special 25. 8-Inch Valve and Box W/Alignment Saddle	EACH	1.000	1.000
1540	SPV.0060	Special 26. 6-Inch Valve and Box W/Alignment Saddle	EACH	7.000	7.000
1550	SPV.0060	Special 27. Connect to Existing Water Main	EACH	8.000	8.000
1560	SPV.0060	Special 28. Fire Hydrant	EACH	5.000	5.000
1580	SPV.0090	Special 01. Water Service 1-Inch Copper	LF	516.000	516.000
1590	SPV.0090	Special 02. D.I.W.M. 12-Inch	LF	1,625.000	1,625.000
1600	SPV.0090	Special 03. D.I.W.M. 10-Inch	LF	40.000	40.000
1610	SPV.0090	Special 04. D.I.W.M. 8-Inch	LF	16.000	16.000
1620	SPV.0090	Special 05. D.I.W.M. 6-Inch	LF	319.000	319.000
1630	SPV.0090	Special 06. Trench Backfill - Water Main	LF	2,050.000	2,050.000
1650	SPV.0105	Special 01. Abandon Existing Water Main	LS	1.000	1.000
1660	SPV.0165	Special 01. Insulation	SF	288.000	288.000

Estimate Of Quantities By Plan Sets

Page 2

						<u>REMOVALS</u>]
					(204.0100) REMOVING PAVEMENT	REMOVIN	IG CURB	(204.0155) REMOVING CONO SIDEWALK	CRETE	(690.0150) SAWING ASPHALT)	(690.0250) SAWING CONCRETE				CON	<u>CRETE CL</u>	JRB & GUTTE		<u>WALK</u> .0411)	(602.0)410)	
CAT	TEGOR	Y STATION	TO STATION	LOCATI		AND GC		SIDEWALK		LF		LF						С	ONCRETE CU	JRB & GUTTER	CONCRETE	SIDEWALK	
002		301+71.00	304+74.00	RT		674					340		 CAT	EGORY STA	TION	ΤΟ STATIO	ON LO	OCATION		H TYPE D LF	5-IN SI		\vdash
002		301+89.00	302+11.00	RT			12						5 0020	0 301+8	9.00	302+11.00	RT			12			
002 002		303+21.00 304+02.00	303+41.00 304+10.00	LT RT		44	8				60		0020 5 0020			304+10.00 304+47.00	RT RT			8 15			3
002		304+02.00	304+10.00 304+47.00	RT			8 15						5 0020			304+49.00				13		75	
002		304+34.00	304+49.00	RT					75				10 0020			16+04.00	LT					40	
002		16+00.00	16+04.00	LT					40				5	ect 1690-05-72	TOTAL					35		115	_
Proj	ject 169	90-05-72 TOTA	\L			718	35		115	1	400		30										
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					•	47.0656)		(647.0566)		•	.0766)								INI	LET PROTECT	ION		
						ENT MARKING		EMENT MARKING		PAVEMEN										TYPE D			
C 4 T	TECOD					G STALL EPOXY	r L	INE EPOXY 18-INC LF	CH (CROSSWALK		6-INCH		CA	TEGO	RY STA	TION	LOCATIO	ON	EACH			
0020	TEGOR	Y STATION 301+76.00		RT	TION	LF		LF			LF	40		002	20	301+0	08.00	20' LT			1		
0020		301+98.00		RT			124					40		002		301+1		20' RT			1		
0020		304+67.00		RT					20					002		304+4		20' LT			1		
Proj	ject 16	90-05-72 TOT	AL				124		20			40		002 Dro		304+7 590-05-72		22' RT			1		
				Ī	RESTORATION											<u>JJJ-UJ-72</u>		L					
					(625.0)		.0210)	(630.0140)									M	OBILIZATIO					
					TOPS			SEEDING												519.1000)			
	ATEGO	RY STATIO	N TO STAT		ATION SY		PE B WT	MIXTURE NO. 40 LB)					C	ATEG		100	ATION	MO	BILIZATION EACH			
		301+87.0			ATION 31	C 15	0.02	0.4	4						020			690-05-72		0.	1		
002		304+00.0				10	0.01	0.2						P	roject	1690-05-7	72 TOT	AL		0.			
002		304+30.0				15	0.02	0.4						_							=		
002	20	304+30.0	0 304+50.00	RT		100	0.12	2.5	5					3	* MOB	ILIZATION	N = CON	MBINATION	N OF PROJ	ECT ID 1690-			
002		15+97.00		LT		60	0.08	1.5	5						05-71	AND 169	0-05-72	2. ADDITIO	NAL 0.9 Q	UANTITY OF			
Pro	oject 10	590-05-72 TO	TAL			200	0.25		5							MOBILIZ	ZATION	I IN PROJEC	CT 1690-05	5-71.			
					TRAFFIC	CONTROL									<u>HM</u>	A PAVEMEI	NT AND	BASE AGGRI	EGATE				
				(643.0100 TRAFFIC CO (1690-05	NTROL TRAF	(643.0300) FIC CONTROL DR	RUMS	TRAFFIC CONTRO	8.0420) 9L BARRICA 111	ADES TYPE		CATEGORY	STATION	ΤΟ STATIC	DN I	OCATION	BASE A	(305.0120) AGGREGATE 1/4-INCH TON	DENSE 1 F	(460.5223) IMA PAVEMEN 3 LT 58-28 S TON	T HMA PA 4 LT 5	.5224) AVEMENT 58-28 S ON	
			LOCATION	EACH	DRUI	VI D	DAYS	EACH	D	AYS		0020	301+71.00	304+74.00	RT				565	11		73	
)20	STH 92		1	7	98			42		0020 Project 169	303+21.00 0-05-72 TOTA	303+41.00	LT				35 600	11	7	5 78	
	Pr	oject 1690-05-	72 TUTAL		1	7	98	5 3	3	42		FT0Ject 109	0-03-72 TOTA	۱L					000	1	.,	/ð	
PROJE	ECT N	10:1690-05	-72		HWY:STH 69		cc	UNTY:DANE			MIS	CELLANEO	US QUAN	TITIES						SHEET	-	E	E

FILE NAME : P:\370S\372\00372060\CADD\C3D\DESIGN MSA UTILITY.DWG LAYOUT NAME - 022503_SS

3

PLOT DATE : 12/9/2016 7:35 AM PLOT BY : KEVIN LORD PLOT NAME :

							PROPOSED I	FITTINGS				
			(SPV.0060.08)	(SPV.0060.09)	(SPV.0060.10)	(SPV.0060.11)			(SPV.0060.14)	(SPV.0060.15)	(SPV.0060.16)	(SPV.0060.17
			12-INCH D.I. 45	8-INCH D.I. 45	6-INCH D.I. 45	6-inch D.I. 11.25			12-INCH X 6-INCH	10-INCH X 6-INCH	12-INCH	12-INCH X 8-IN
			DEG. BEND	DEG. BEND	DEG. BEND	DEG. BEND	D.I. TEE	D.I. TEE	D.I. TEE	D.I. TEE	D.I. CAP	D.I. REDUCE
CATEGOR		LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
0020 0020	11+51.11 11+51.15	5.0' RT 32.9' RT							1			
0020	12+58.01	52.9 KT	1									
0020	12+72.35	31.6' LT	1									
0020	16+01.25	37.3' LT	1									
0020	16+50.23	5.0' RT	1									
0020	18+17.45	5.0' RT							1			
0020	18+49.28	5.0' RT							1			
0020	20+85.00	5.0' RT							1			
0020	25+33.48	5.0' RT							1			
0020 0020	25+94.22 26+70.08	5.0' RT 5.0' RT							1		1	
0020	102+97.28	9.1' RT			1						T	
0020	103+02.26	14.2' RT			1							
0020	104+01.86	15.4' RT			-	1						
0020	201+26.03	8.0' RT			1							
0020	201+21.73	12.4' RT			1							
0020	301+76.85	13.3' RT		1								
0020	301+80.81	7.0' RT		1								
0020	301+89.48	7.0' RT										1
0020 0020	301+95.91 303+31.14	7.0' RT 7.0' RT					1		1			
0020	303+31.14 304+39.57	7.0' RT					1	1				
0020	304+39.44	47.2' RT						-				
0020	304+39.50	27.0' RT								1		
0020	304+51.42	7.0' RT										
0020	304+54.91	7.0' RT			1							
0020	304+62.37	14.6' RT			1							
Project 169	90-05-72 TOTAL		4	2	6	11	1	1	7	1	1	1
					SANITAR	RY SEWER						
					(((
	LOCATI	UN		(SPV.0060.01) MOVE & SALVAGE	(SPV.00 SANITARY		(SPV.0060.03) ANITARY MANHOLE	(SPV.0060.04) REMOVE & REPLACE	(SPV.0060.05)			
				G CASTINGS, FRAM		R-1550-A		SANITARY MANHOLE CONE	ADJUST CASTIN EACH			FROM
				& GRATES		.CH	EACH	SECTION	LACIT			
CATECON		(ГТ)	RIM	EACH	LA			EACH			CATECODY	STATION LOO
0010	Y STATION 15+50.39 21		EVATION 861.54	1		1	1	1	1			301+76.85 11.0
0010	17+41.12 23		862.78	1		1	1	Ŧ	1			303+45.32 13.0
	90-05-72 TOTAL			2		2	2	1	2			304+40.91 14.2
				-				-	L			12+46.39 16.6
												12+46.99 12.3
												16+01.26 37.1
											0020	16+01.84 15.3
												201+21.73 12.4
												102+97.28 9.1'
											Project 1690	-05-72 TOTAL
											0020 0020	201 102

FILE NAME : P:\370S\372\00372060\CADD\C3D\DESIGN MSA UTILITY.DWG LAYOUT NAME - 022503_SS

	(SPV.0060.20) 6-INCH X 3-INCH D.I. REDUCER EACH	PV.0060.19) NCH X 6-INCH I. REDUCER 10" x 6"	INCH 10-II	(SPV.0060. 12-INCH X 6- D.I. REDUC EACH	8-INCH 2 DUCER	PV.006 INCH X I. RED EAC
	1					
3						
L						
						1
		1				
				1		
	1	1		1		1
				NDON WATI		
	05.01)	(SPV.010	TO		OM ABAI	FRO
		ABANDON I				
		WATER LUMP S	LOCATION	STATION	LOCATION	ΓΙΟΝ
	• •	LOWIN		304+62.37	11.0' RT	6.85
			16.6' RT	12+46.39	13.0' RT	5.32
				304+39.49	14.2' RT	0.91
			12.3' LT 34.3' LT	12+46.99 12+72.45	16.6' RT 12.3' LT	5.39 5.99
			15.3' RT	12+72.45	37.1' LT	
			16.0' RT	25+88.05	15.3' RT	84
			10.8' RT	201+81.55	12.4' RT	1.73
			10.5' RT	104+08.67	9.1' RT	7.28
		1			L	ΤΟΤΑ
E	E	SHEET				
41	DOT/CADDS SHEET	wisc	: *******	PLOT SCALE	F	

PROPOSED VALVES

			WATER SERVICES		
			(SPV.0060.21)	(SPV.0060.22)	(SPV.0090.01)
			WATER SERVICE TAP	CURB STOP AND	WATER SERVICE
			W/CORP STOP 1-INCH	BOX 1-INCH	1-INCH COPPER
CATEGORY	STATION	LOCATION	EACH	EACH	LF
0020	10+49.33	30.4' RT	1	1	25
0020	10+60.25	38.8' LT	1	1	44
0020	15+34.39	29.9' RT	1	1	100
0020	16+32.74	25.5' RT	1	1	36
0020	16+92.34	25.2' RT	1	1	20
0020	17+23.29	31.7' LT	1	1	37
0020	17+32.87	25.4' RT	1	1	20
0020	17+78.41	31.4' LT	1	1	37
0020	18+63.42	24.5' RT	1	1	20
0020	19+38.57	24.7' RT	1	1	20
0020	19+80.25	24.2' RT	1	1	20
0020	20+52.91	24.7' RT	1	1	20
0020	21+48.58	24.3' RT	1	1	20
0020	22+30.10	24.3' RT	1	1	20
0020	23+94.45	24.3' RT	1	1	20
0020	24+73.44	24.7' RT	1	1	20
0020	302+01.79	24.3' RT	1	1	18
0020	304+08.38	25.5' RT	1	1	19
Project 1690)-05-72 TOTA	AL	18	18	516

CONNECT TO EXISTING WATER MAIN

			(SPV.0060.07)	(SPV.0060.27)
			UTILITY LINE	CONNECT TO EXISTING
			OPENING - ULO	WATER MAIN
CATEGORY	STATION	LOCATION	EACH	EACH
0020	11+51.15	32.9' RT		1
0020	12+72.35	35.6' LT		1
0020	12+72.47	35.6' LT	1	
0020	16+00.90	41.3' LT	1	
0020	16+00.94	46.3' LT		1
0020	102+97.28	9.1' RT		1
0020	201+21.73	12.4' RT		1
0020	301+76.85	10.9' RT		1
0020	304+39.44	47.2' RT		1
0020	304+62.76	14.9' RT		1
Project 1690)-05-72 TOT	AL	2	8

PROPOSED HYDRANTS

			(SPV.0060.06)	(SPV.0060.28)
			REMOVE & SALVAGE	FIRE HYDRANT
			EXISTING HYDRANT	EACH
CATEGORY	STATION	LOCATION	EACH	
0020	18+49.58	24.5' RT		1
0020	18+53.28	22.8' RT	1	
0020	20+85.00	24.4' RT		1
0020	25+33.45	35.8' RT		1
0020	25+38.67	31.6' RT	1	
0020	301+85.58	24.5' RT	1	
0020	301+95.90	24.2' RT		1
0020	304+47.13	28.6' RT	1	
0020	304+47.21	27.1' RT		1
Project 1690)-05-72 TOT	۹L	4	5

			(SPV.0060.23)	(SPV.0060.24)	(SPV.0060.25)	(SPV.0060.26)
			12-INCH VALVE AND BOX	10-INCH VALVE AND BOX	8-INCH VALVE AND BOX	
			W/ALIGNMENT SADDLE	W/ALIGNMENT SADDLE	W/ALIGNMENT SADDLE	W/ALIGNMENT SADDLE
			EACH	EACH	EACH	EACH
CATEGORY	STATION	LOCATION				
0020	12+71.65	8.7' LT				
0020	18+21.48	5.0' RT	1			
0020	18+49.28	16.8' RT				1
0020	20+85.00	17.0' RT				1
0020	25+33.46	18.2' RT				1
0020	25+98.07	5.0' RT	1			
0020	103+07.77	14.2' RT				1
0020	201+31.41	8.0' RT				1
0020	301+85.76	7.0' RT			1	
0020	301+95.90	14.2' RT				1
0020	304+39.51	23.9' RT				1
0020	304+42.64	27.0' RT		1		
Project	1690-05-72	2 TOTAL	2	1	1	7

					FR	OM	-	го	WATER MAIN (SPV.0090.02) D.I.W.M, 12-Ind
				CATEGORY	STATION	LOCATION	STATION	LOCATION	LF
				0020	303+31.14	7.0' RT	12+35.77	5.0' RT	242
		INSULATION		0020	11+51.15	5.0' RT	11+51.15	35.0' RT	
			(SPV.0165.01)	0020	12+35.77	5.0' RT	12+72.35	31.6' LT	52
			INSULATION	0020	12+72.35	31.6' LT	12+72.35	35.6' LT	4
CATEGORY	STATION	LOCATION	SF	0020	16+00.94	46.3' LT	16+01.25	37.3' LT	9
0020	16+35.00	8.0' LT	32	0020	16+01.25	37.3' LT	16+50.23	5.0' RT	64
				0020	16+50.23	5.0' RT	18+17.45	5.0' RT	167
0020	16+45.00	0.0' RT	32	0020	18+17.45	5.0' RT	25+33.47	5.0' RT	684
0020	17+23.00	8.0' LT	32	0020	18+50.00	5.0' RT	18+50.00	24.0' RT	
0020	17+78.00	8.0' LT	32	0020	25+33.47	5.0' RT	25+94.22	5.0' RT	61
0020	17+92.00	5.0' RT	32	0020	25+34.00	5.0' RT	35+34.00	36.0' RT	
0020	19+26.00	5.0' RT	32	0020	25+94.22	5.0' RT	26+70.08	5.0' RT	76
0020	22+97.00	5.0' RT	32	0020	102+97.28	9.1' RT	103+02.26		
				0020	103+02.26	14.1' RT	104+01.86		
0020	26+53.00	5.0' RT	32	0020	104+01.86 201+21.73	15.3' RT 12.4' RT	104+18.56 201+26.03		
0020	103+85.00	15.0' RT	32	0020	201+21.73	12.4 RT	201+26.03		
Project 1690)-05-72 TOT	AL	288	0020	301+76.85	13.3' RT	301+80.81		
				0020	301+80.81		301+89.48		
				0020			301+95.91		
				0020	301+95.91	7.0' RT	301+95.90		
				0020	301+95.91		303+31.14		135
				0020	303+31.14		304+50.00		119
				0020	304+39.57		304+39.50		
				0020	304+39.50		304+39.44		
				0020	304+39.50	27.1' RT	304+47.21	27.1' RT	
				0020	304+39.57	7.0' RT	304+51.42	7.0' RT	12
				0020	304+51.42	7.0' RT	304+54.91	7.0' RT	
				0020	304+54.91	7.0' RT	304+62.37	14.6' RT	
				Project 1690)-05-72 TOT/	AL			1625

PROJECT NO:1690-05-72	HWY:STH 69	COUNTY: DANE		MISCELLANEOUS QUANTITIES		5
FILE NAME : P:\370S\372\00372060\CADD\C3D\DESIGN MSA UTILITY.DWG		PLC	OT DATE : 12/9/2016 6:57 /	AM PLOT BY :	KEVIN LORD	PLOT NAME :

: P:\370S\372\00372060\CADD\C3D\DESIGN MSA UTILITY.DWG LAYOUT NAME - 022503_SS FILE NAME : F

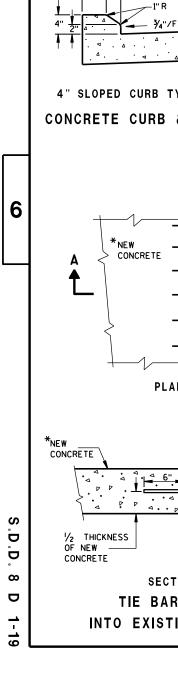
WATER WAIN				
(SPV.0090.02)	(SPV.0090.03)	(SPV.0090.04)	(SPV.0090.05)	(SPV.0090.06)
D.I.W.M. 12-Inch	D.I.W.M. 10-Inch	D.I.W.M. 8-Inch	D.I.W.M. 6-Inch	TRENCH BACKFILL
LF	LF	LF	LF	LF
242				242
			30	40
52				52
4				9
9				9
64				69
167				167
684				684
			19	19
61				61
			31	31
76				76
			7	12
			100	100
			17	17
			6	11
			62	62
			6	11
		9		9
		7		7
			18	18
135				135
119				119
	20			20
	20			30
			8	8
12				12
			4	4
			11	16
1625	40	16	319	2050

SHEET

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Standard Detail Drawing List

08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D21-04	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE



2'-0"

- ¾" MAX. R

TYPES A & $D^{(1)}$

22

1/2"/FT. BATTER

" MIN. 2

6

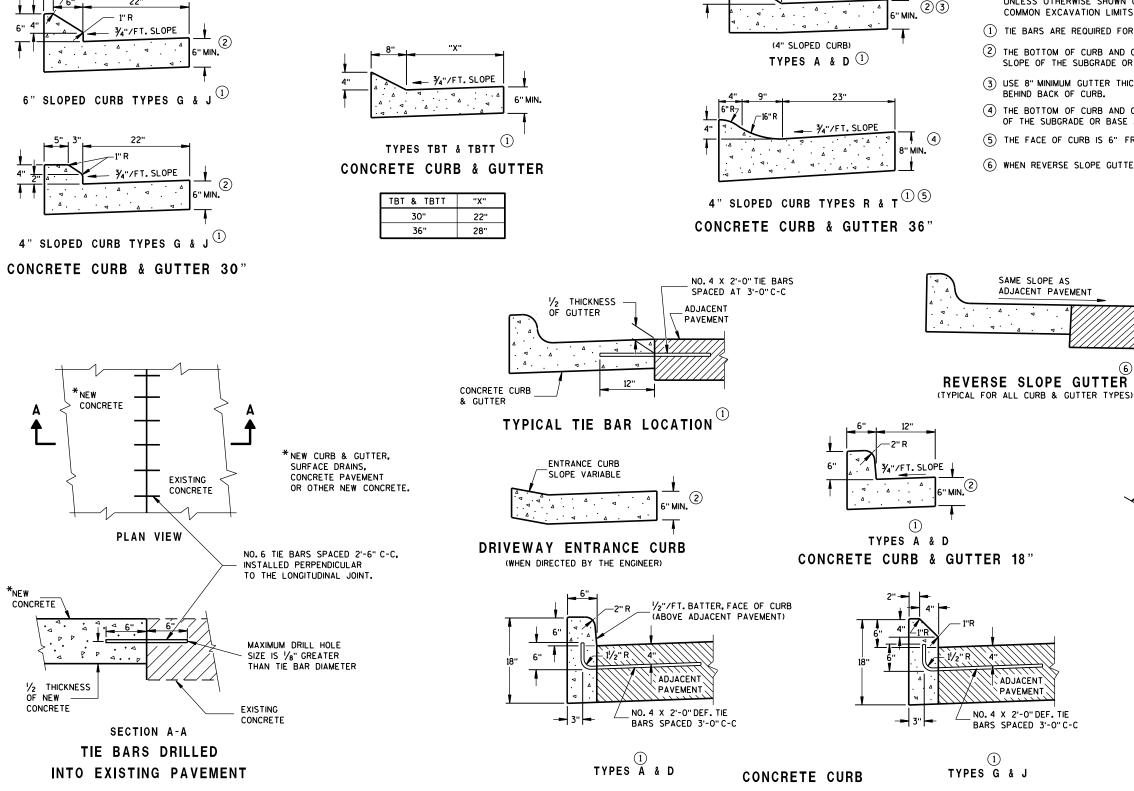
CURB FACE

¾"/FT. SLOPE

٩

~2" R

6"



GENERAL NOTES

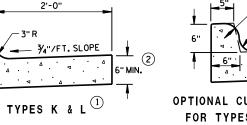
505.2.6.2 OF THE STANDARD SPECIFICATIONS.

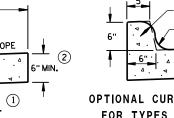
IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

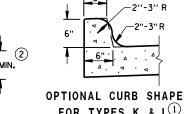
BEHIND BACK OF CURB.

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

FOR TYPES K & L⁽¹⁾ **CONCRETE CURB & GUTTER 30**"







1'-0''

1'-0"

5"

6"

~ч

—10" R

2'-0"

¾"/FT.SLOPE

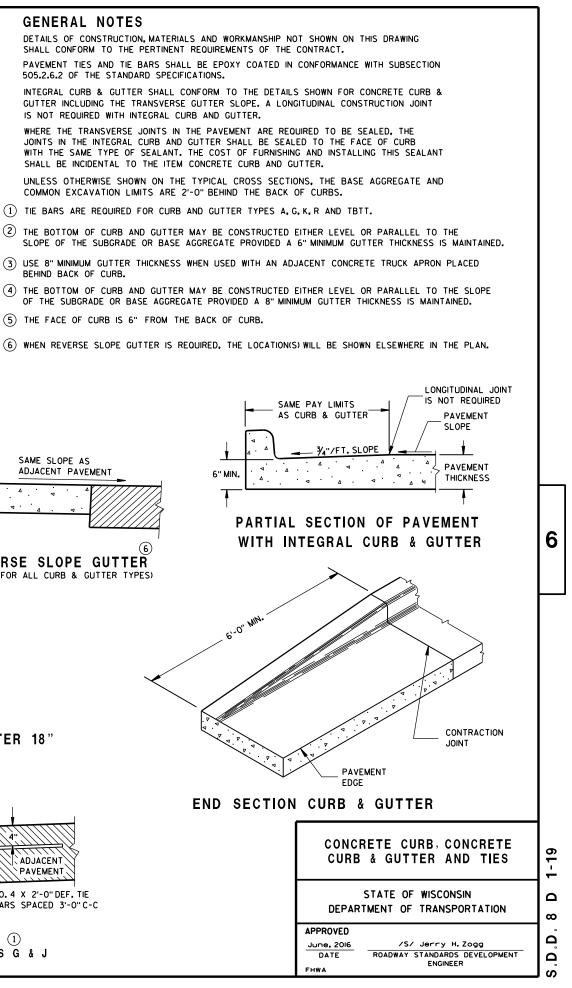
(6" SLOPED CURB)

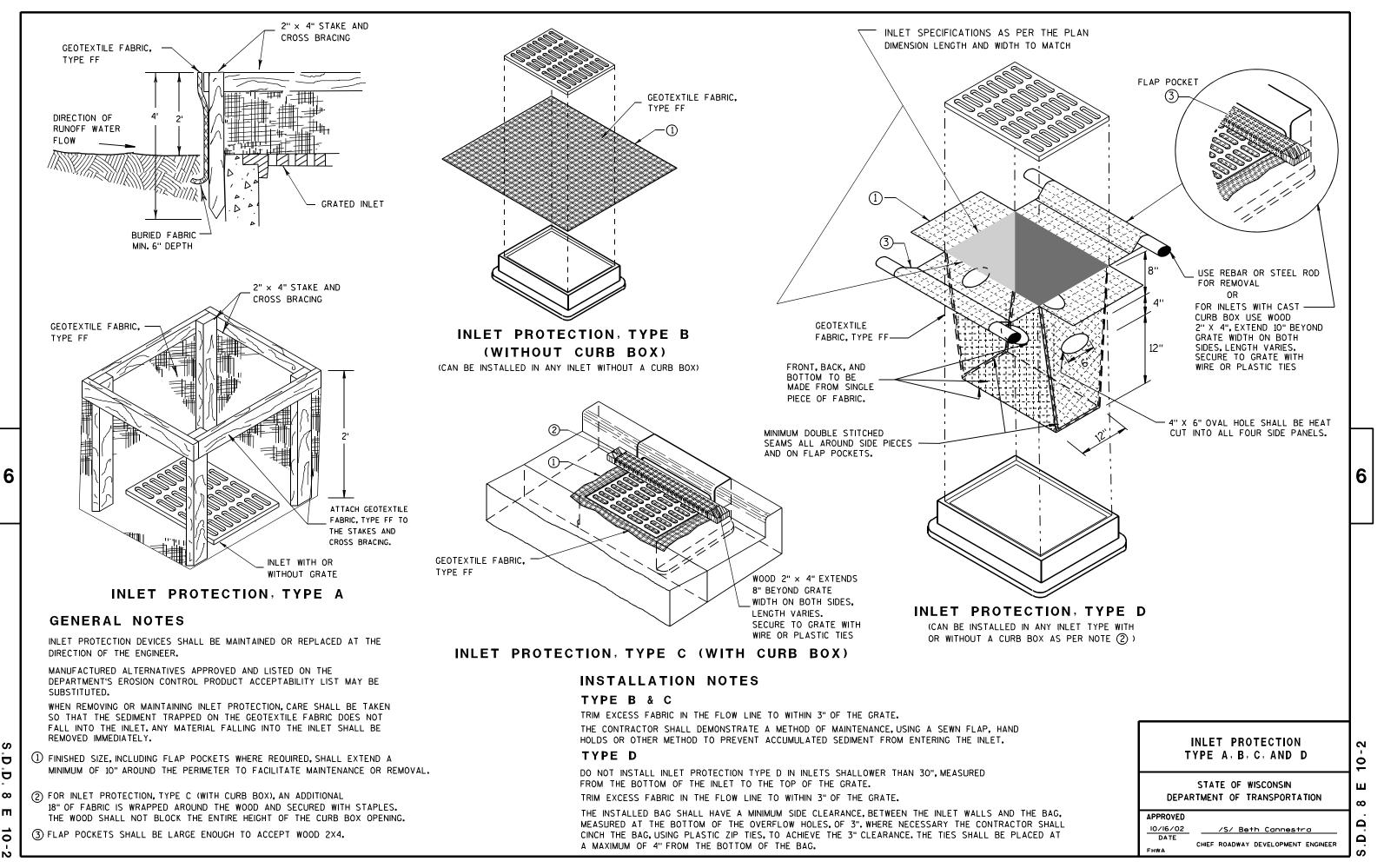
2"-3" R.

2'-0"

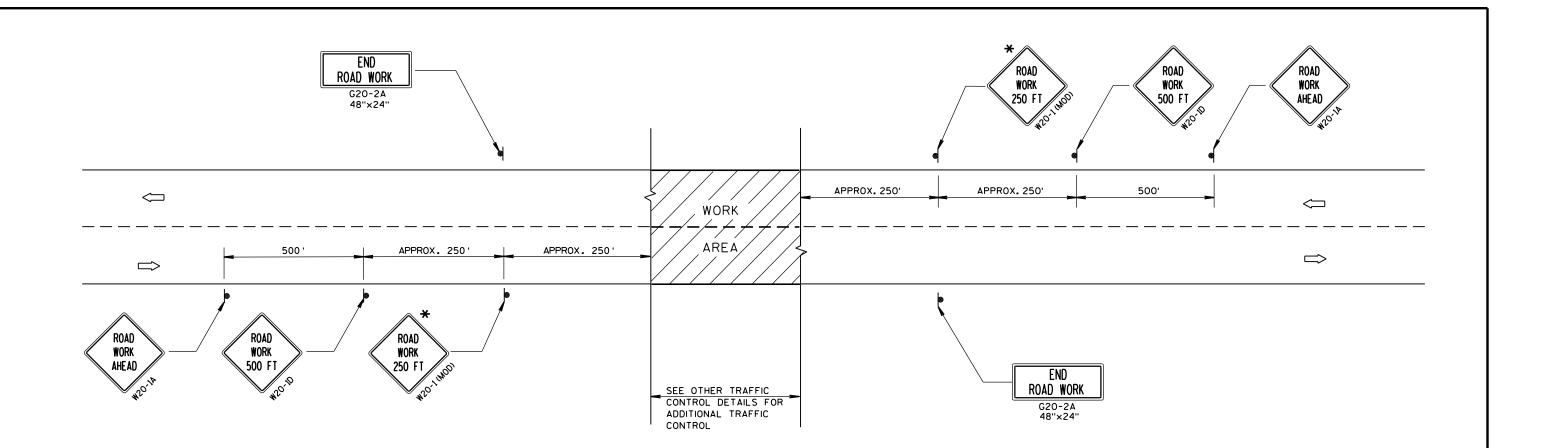
_ ¾"/FT.SLOPE

. 5" MIN. 2

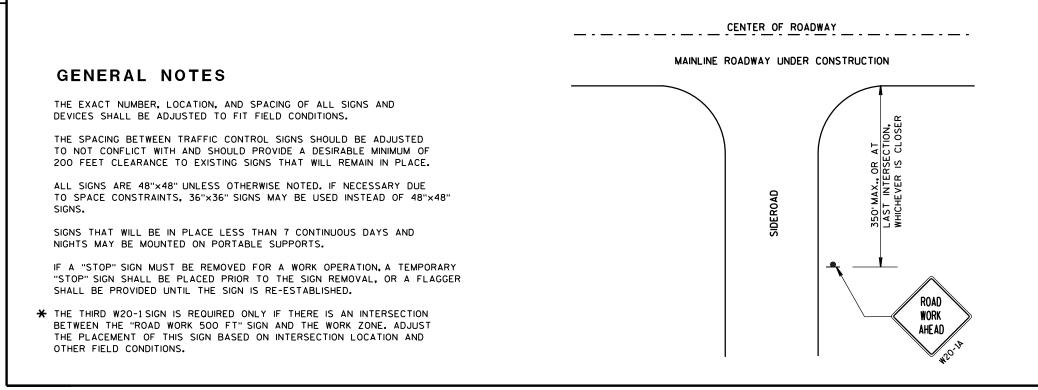




O



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



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6

LEGEND



SIGN ON PERMANENT SUPPORT



DIRECTION OF TRAFFIC



WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

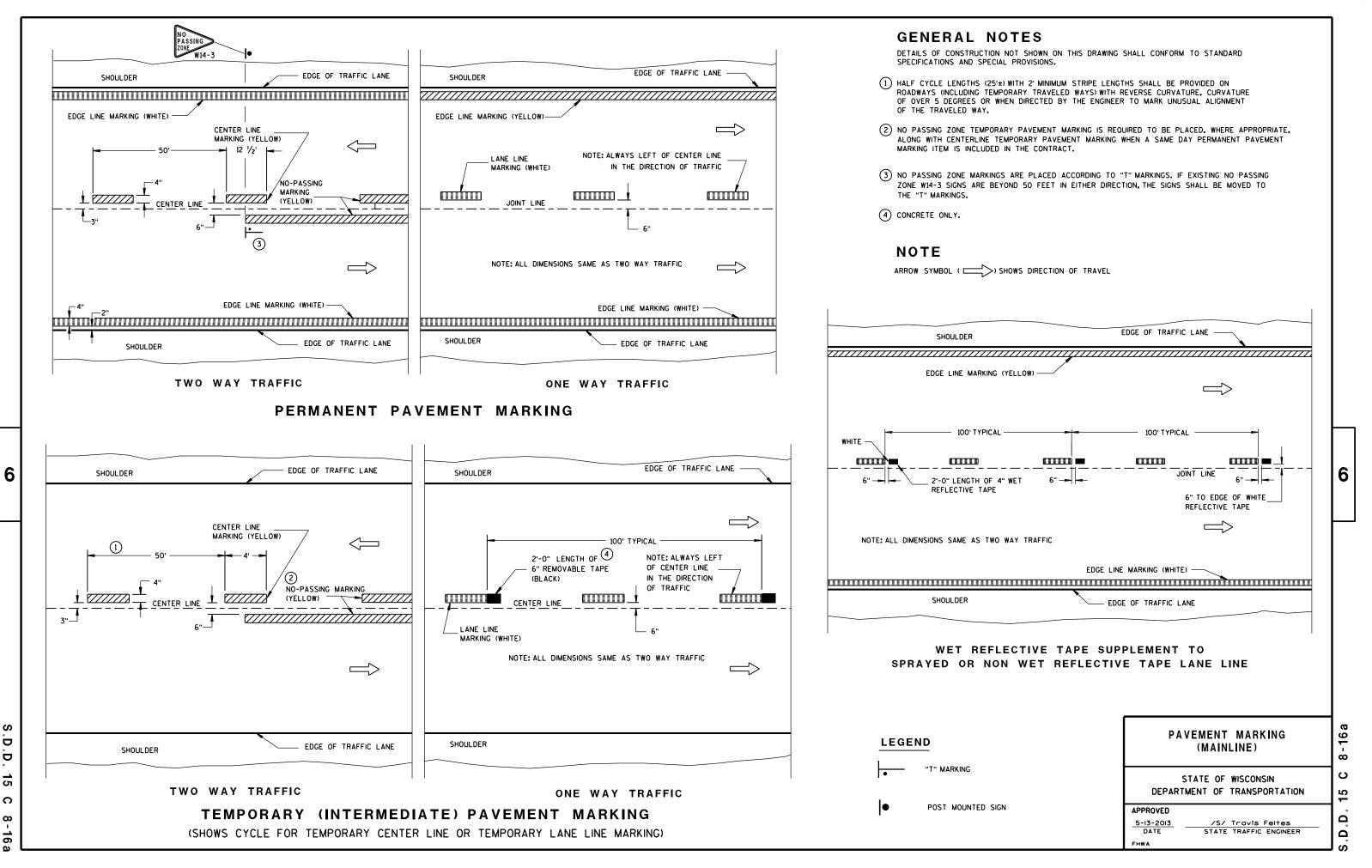
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED Sept. 2015 DATE

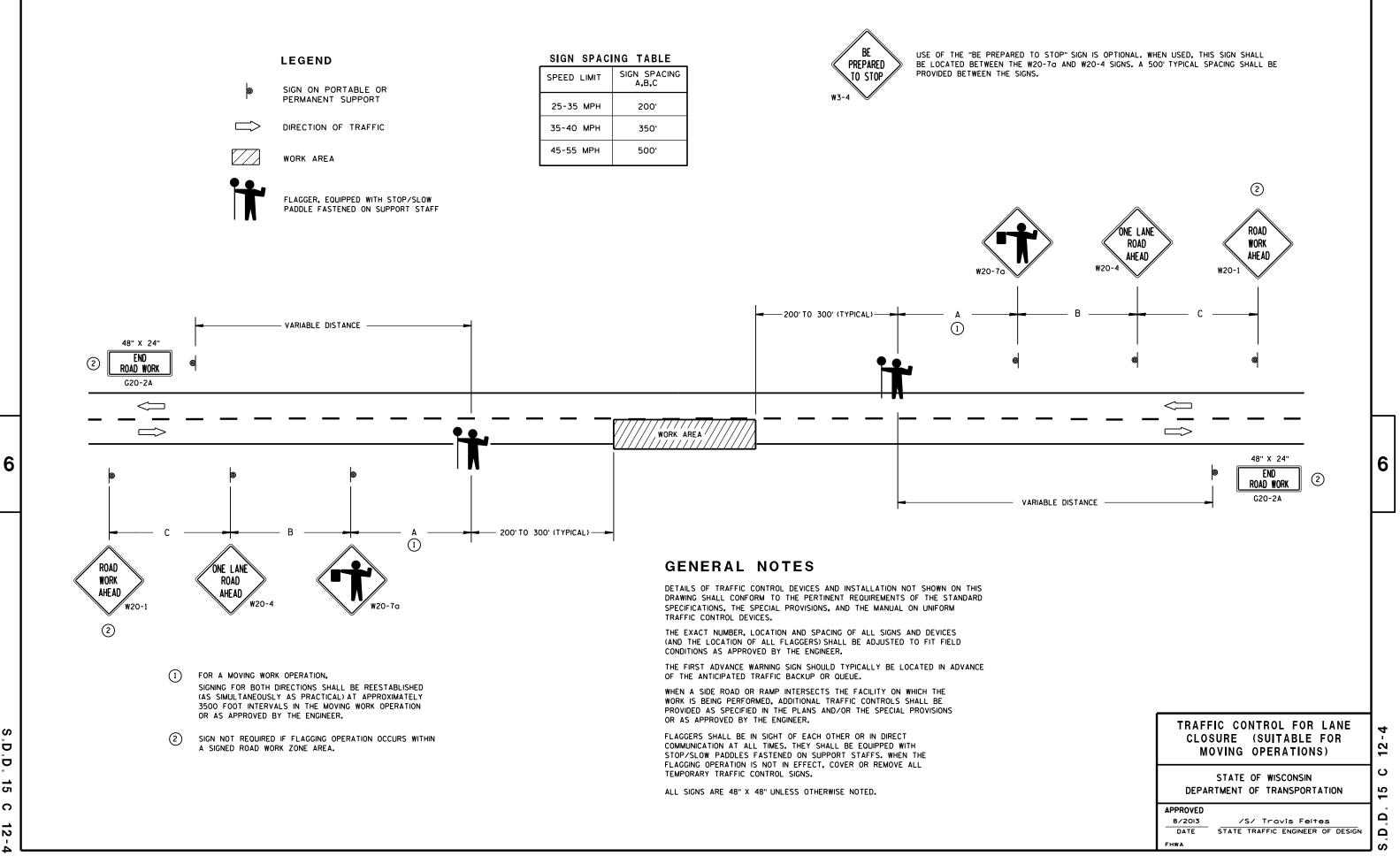
FHWA

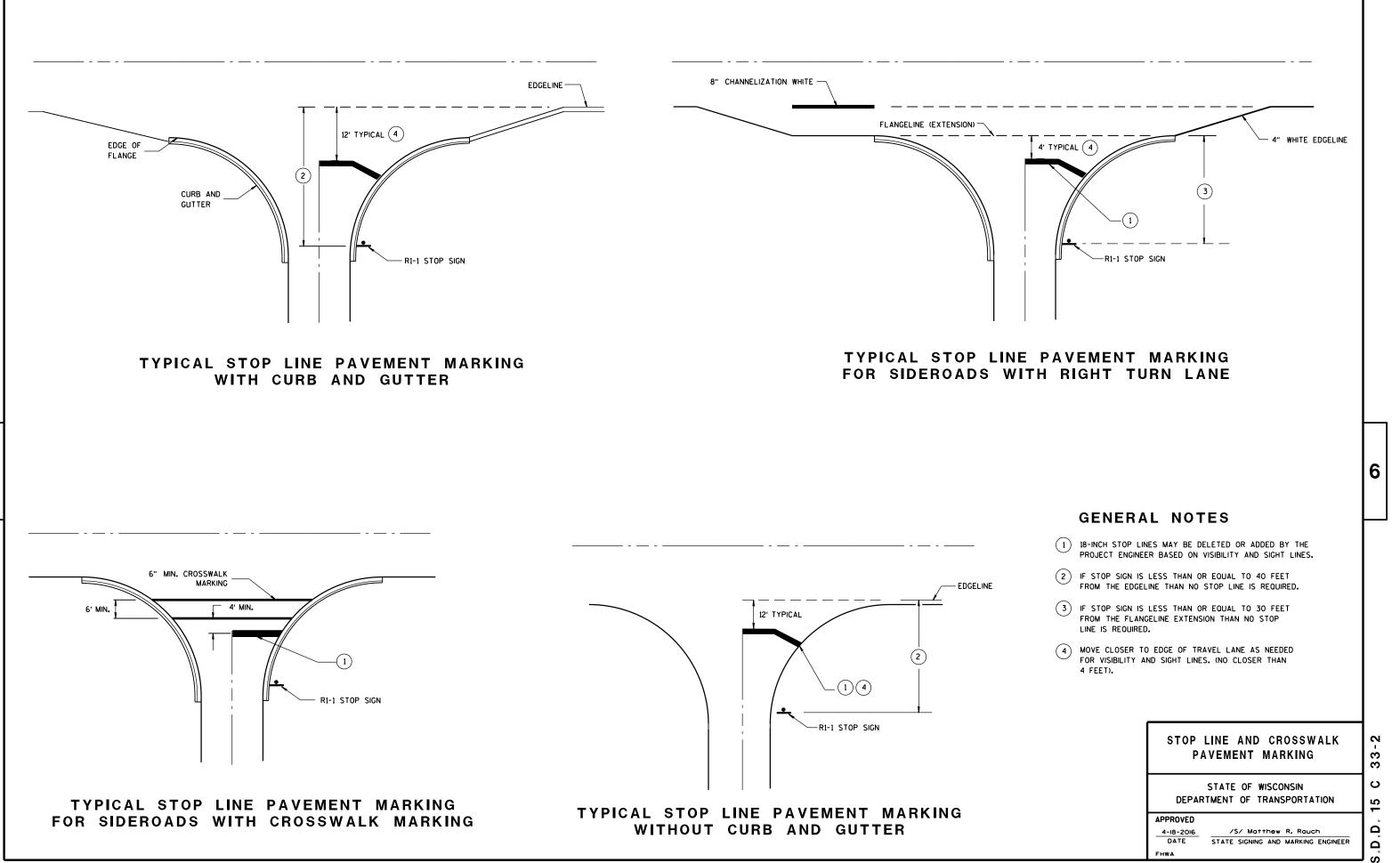
/S/ Peter Amokobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER D.D. 15 C 5-3

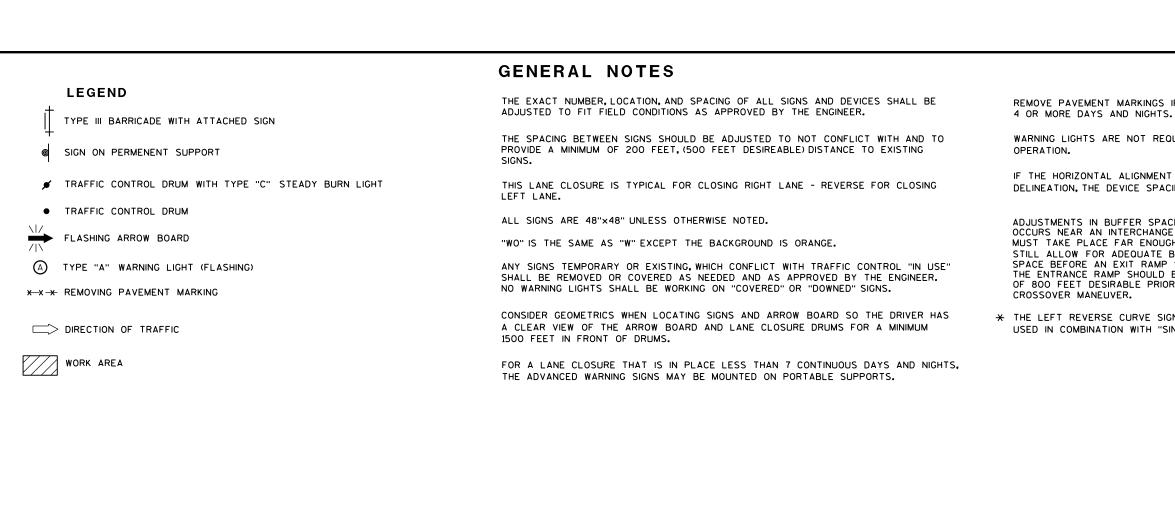
S

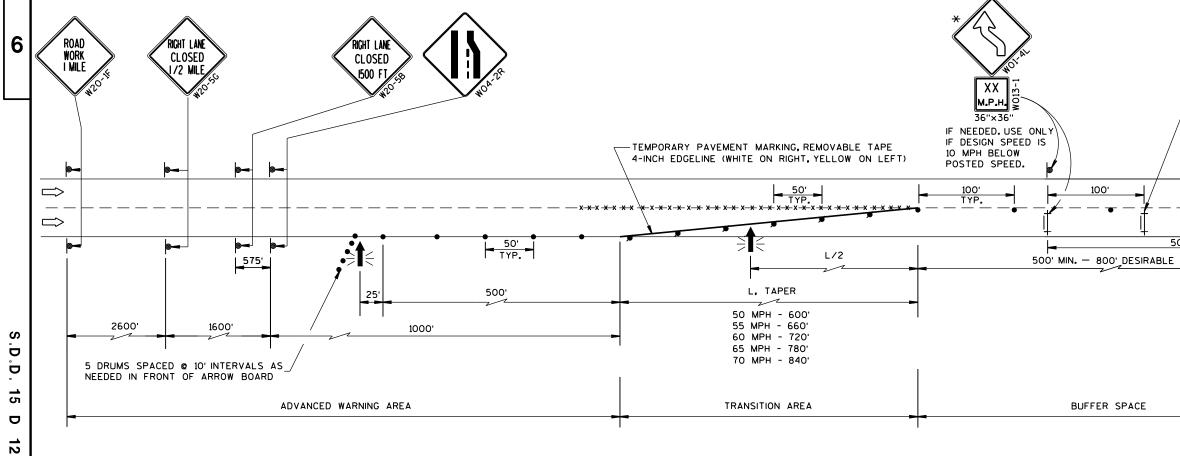


C ω 6 ۵









ō a

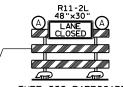
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

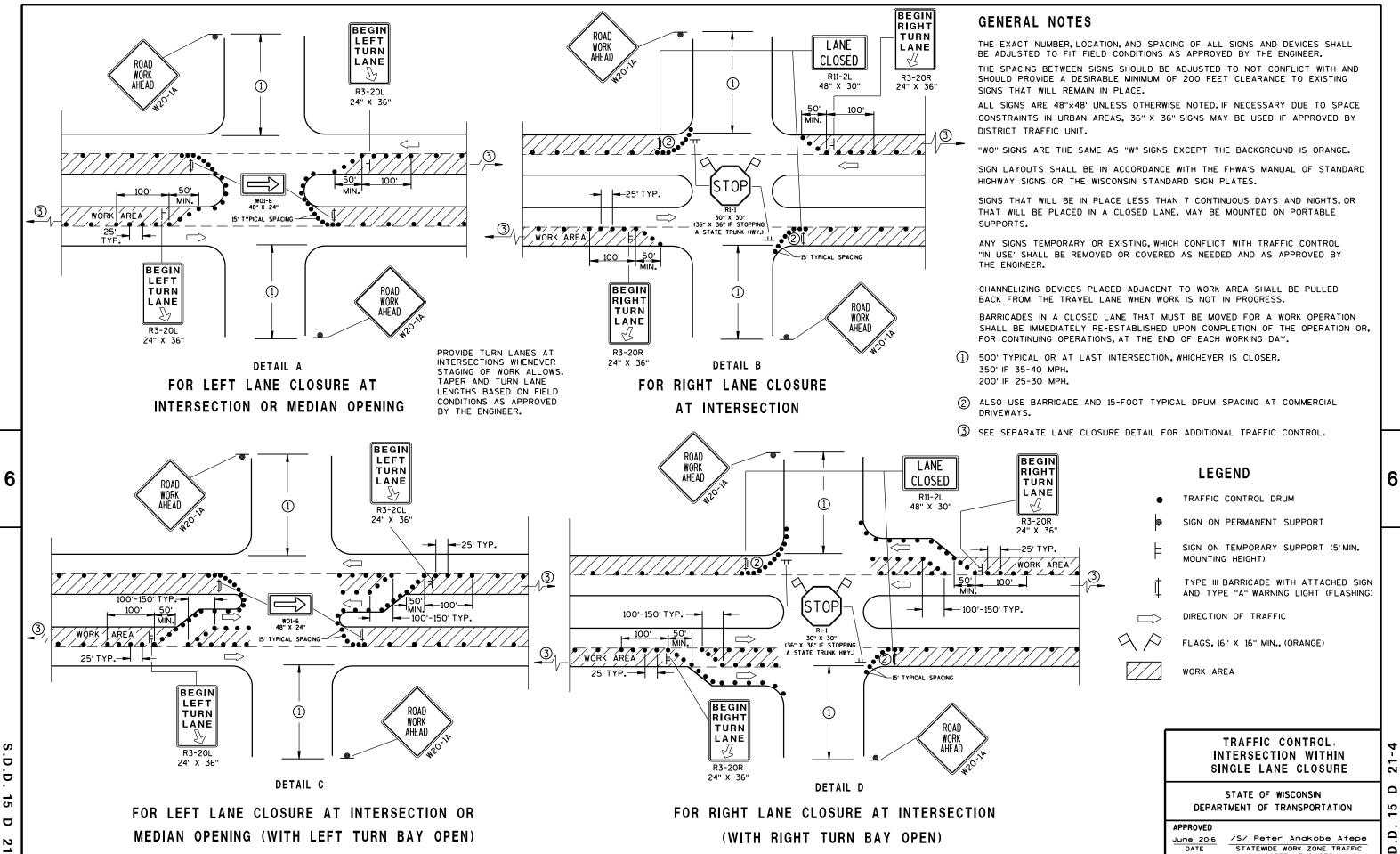
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TYPE III BARRICADE SPACED EVERY 1/4 MILE.

WORK AREA	
TRAFFIC CONTROL, Lane Closure	12-6a
 STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	15 D
APPROVED March 2016 /S/ Peter Amakobe Atepe DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER FHWA	S D D



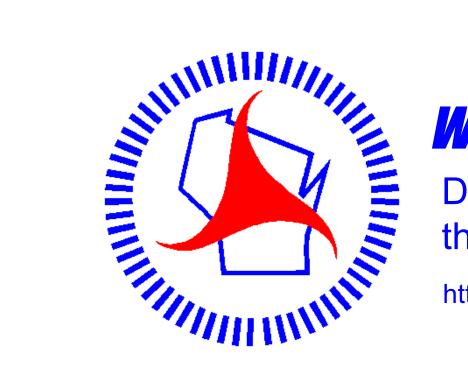
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