Section No. 2 Section No. 3

Section No. 3 Section No. 4

Section No. 5

Section No. 6

Section No. 9

TOTAL SHEETS = 92

Estimate of Quantitles

Right of Way Plat Plan and Profile

Cross Sections

Miscellaneous Quantities

Standard Detail Drawings

Computer Earthwork Data

APRIL 2019 STATE OF WISCONSIN ORDER OF SHEETS Section No. 1 **DEPARTMENT OF TRANSPORTATION** Section No. 2 Typical Sections and Details Erosion Control

PLAN OF PROPOSED IMPROVEMENT

FEDERAL PROJECT STATE PROJECT **PROJECT** CONTRACT WISC 2019231 6997-03-70

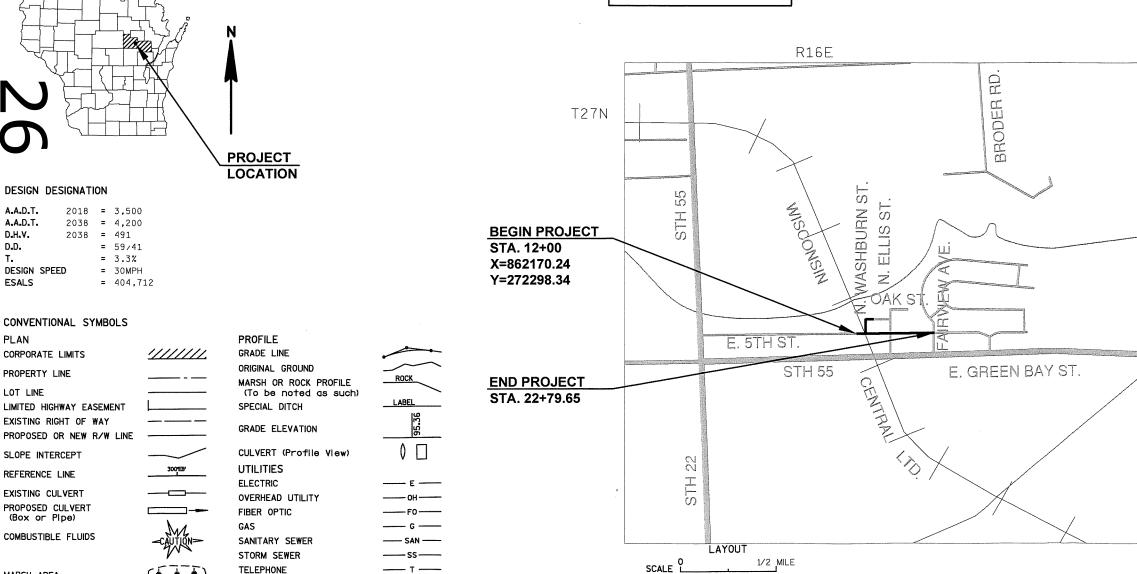
C SHAWANO, EAST FIFTH STREET

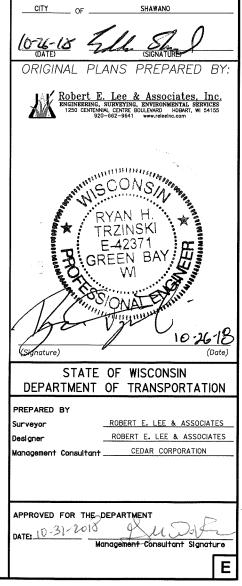
WASHBURN STREET TO FAIRVIEW AVENUE

LOCAL STREET

SHAWANO COUNTY

STATE PROJECT NUMBER 6997-03-70





WATER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

TOTAL NET LENGTH OF CENTERLINE = 0.204 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, SHAWANO COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

MARSH AREA

WOODED OR SHRUB AREA



TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

UTILITIES

CONTACTS

FRONTIER COMMUNICATIONS JAMES JASKOLSKI 26W. 12TH STREET CLINTONVILLE, WI 54929 (715) 823-1227

ROBERT E. LEE & ASSOCIATES, INC. MARK SCHUSTER 1250 CENTENNIAL CENTRE BOULEVARD HOBART, WI. 54155 (920) 662-9641

CITY OF SHAWANO EDDIE SHEPPARD 2905 E. RICHMOND STREET SHAWANO, WI 54166 (715) 526-3512

WE ENERGIES (GAS) KENNETH BODE 800 S. LINDALE P.O. BOX 1699 APPLETON, WI 54912 (920) 380-3214

WDNR CONTACT JIM DOPERALSKI 2984 SHAWANO AVENUE GREEN BAY, WI 54313 (920) 662-5119

CHARTER COMMUNICATIONS RUDI RUDIGER 5024 HEFFRON STREET STEVENS POINT, WI 54481 (715) 204-5339

SHAWANO MUNICIPAL UTILITIES (ELECTRIC) ROB KOEPP 122 N. SAWYER STREET SHAWANO, WI 54166 (715) 701-8903

SHAWANO MUNICIPAL UTILITIES (SEWER AND WATER) BRIAN KNAPP 122 N. SAWYER STREET SHAWANO, WI 54166 (715) 526-3132

WINDSTREAM DENNIS RUESS 13935 BISHOPS DRIVE BROOKFIELD, WI 53005 (608) 512-5587

SECTION 2 ORDER OF SHEETS GENERAL NOTES TYPICAL SECTION CONSTRUCTION DETAILS PROJECT OVERVIEW PLAN DETAIL INTERSECTION DETAIL EROSION CONTROL PLAN STORM SEWER PERMANENT SIGNING AND PAVEMENT MARKING PEDESTRIAN DETOUR PLAN

ALIGNMENT PLAN

GENERAL NOTES

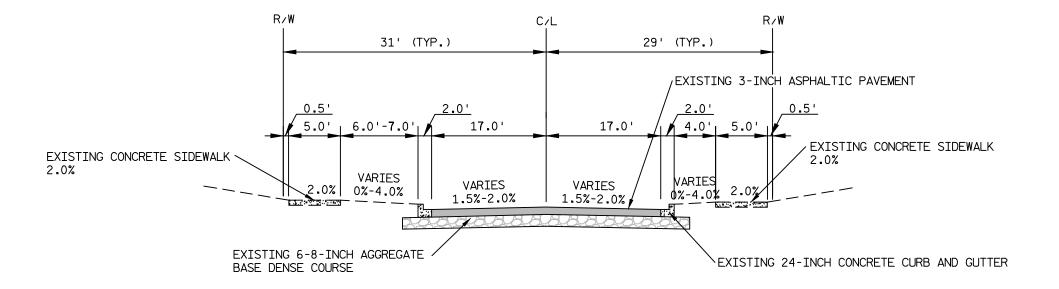
- 1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- 2. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
- 3. ALL DISTURBED AREAS SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH EROSION MAT AS NOTED ON THE PLAN OR AS DETERMINED BY THE ENGINEER.
- 4. EROSION CONTROL ITEMS SHOWN ON THE PLAN ARE AT SUGGESTED LOCATIONS. THE EXACT LOCATIONS AND DIMENSIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER, ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN PLACE UNTIL SUCH TIME AS THE ENGINEER DETERMINES THAT THEY ARE NO LONGER REQUIRED.
- 5. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST M.U.T.C.D MANUAL.
- 6. PROPERTY LINES AS SHOWN ARE APPROXIMATE.
- 7. ALL CURB RADII DIMENSIONS ON THE PLAN ARE MEASURED TO FLANGE LINE.
- 8. ALL CONCRETE SIDEWALKS SHALL HAVE TRANSVERSE JOINTS SPACED AT A MAXIMUM OF 5-FOOT INTERVALS.

STANDARD ABBREVIATIONS

GR	GRAVEL	WM	WATERMAIN	VPC	VERTICAL POINT OF CURVATURE	R/W	RIGHT OF WAY
BIT	BITUMINOUS	HYD	HYDRANT	VPI	VERTICAL POINT OF INTERSECTION	T/C	TOP OF CURB
ASPH	ASPHALT PAVEMENT	WV	WATER VALVE	VPT	VERTICAL POINT OF TANGENCY	F/L	FLOW LINE
CONC	CONCRETE	SAN	SANITARY SEWER	PC	POINT OF CURVATURE	C/L	CENTERLINE
SW	SIDEWALK	МН	MANHOLE	PI	POINT OF INTERSECTION	P/L	PROPERTY LINE
BLDG	BUILDING	ST	STORM SEWER	PT	POINT OF TANGENCY	R/L	REFERENCE LINE
HSE	HOUSE	СВ	CATCH BASIN	R	RADIUS	INV	INVERT
PED	PEDESTAL	TELE	TELEPHONE	EX	EXISTING	CMP	CORRUGATED METAL PIPE
PP	POWER POLE	ELEC	ELECTRIC	PR	PROPOSED	RCP	REINFORCED CONCRETE PIPE
LP	LIGHT POLE	TV	TELEVISION	EOR	END OF RADIUS	CULV	CULVERT
ВМ	BENCH MARK	STA	STATION	В-В	BACK TO BACK (OF CURB)	PE	PERSONAL ENTRANCE
CE	COMMERCIAL ENTRANCE	FE	FIELD ENTRANCE	E.O.P.	EDGE OF PAVEMENT		

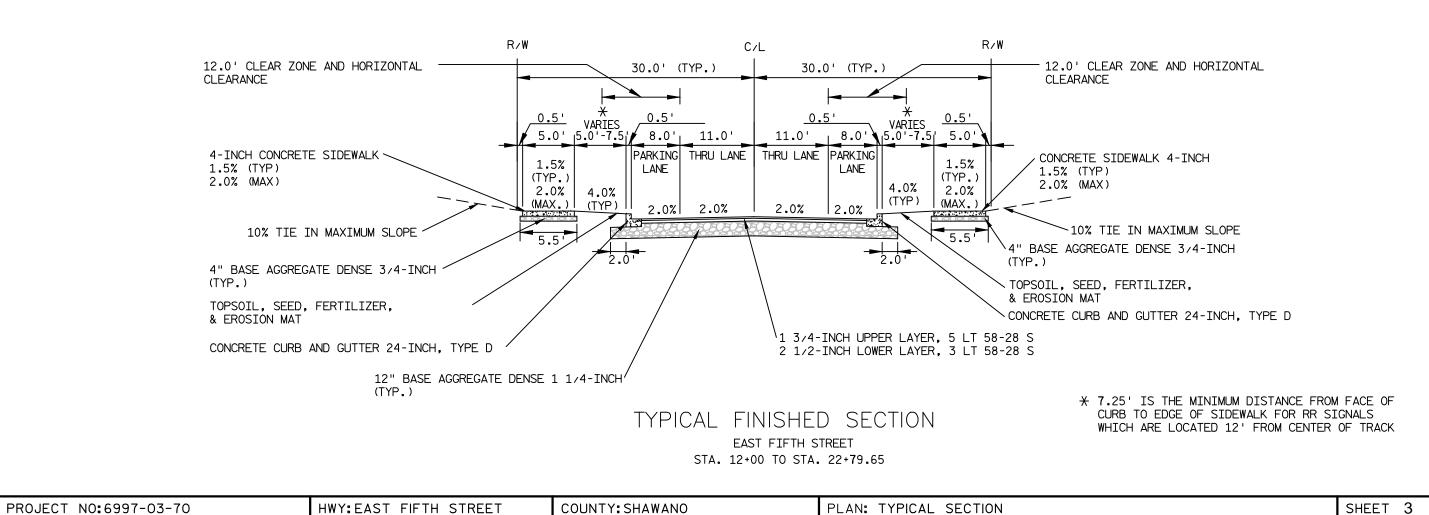
SHEET 2 E PROJECT NO:6997-03-70 HWY: EAST FIFTH STREET COUNTY: SHAWANO PLAN: GENERAL NOTES





TYPICAL EXISTING SECTION EAST FIFTH STREET

STA. 12+00 TO STA. 22+79.65

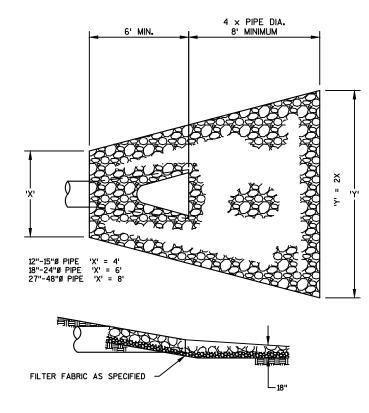


E

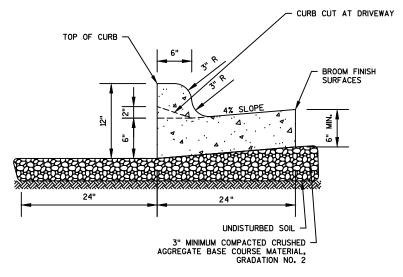
2

ROCK BAGS * OR AS DIRECTED END VIEW BY THE ENGINEER APRON ENDWALL 6" MIN. ∗ ROCK BAGS

SIDE VIEW CULVERT PIPE CHECK DETAIL



ENDWALL RIP RAP DETAIL

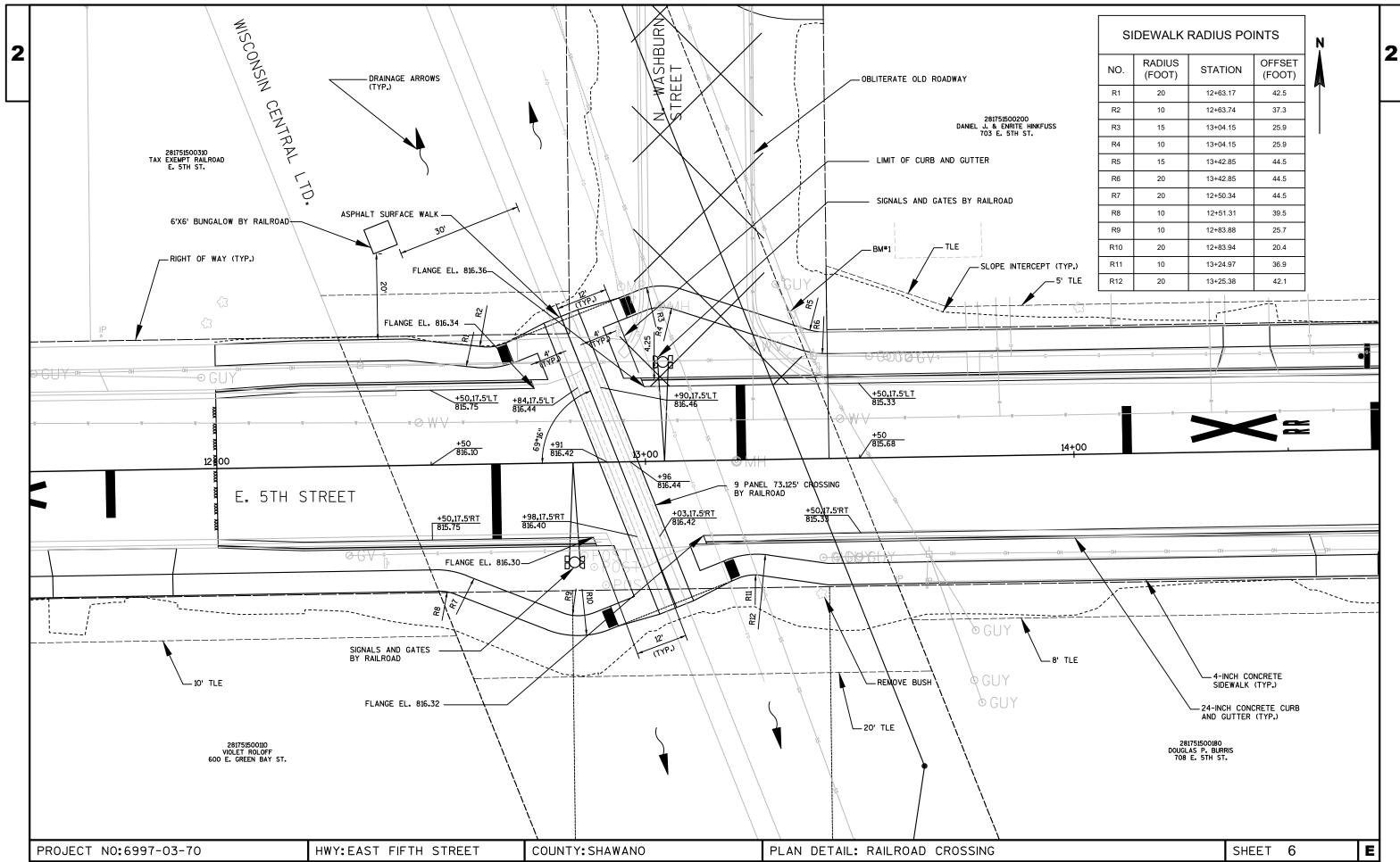


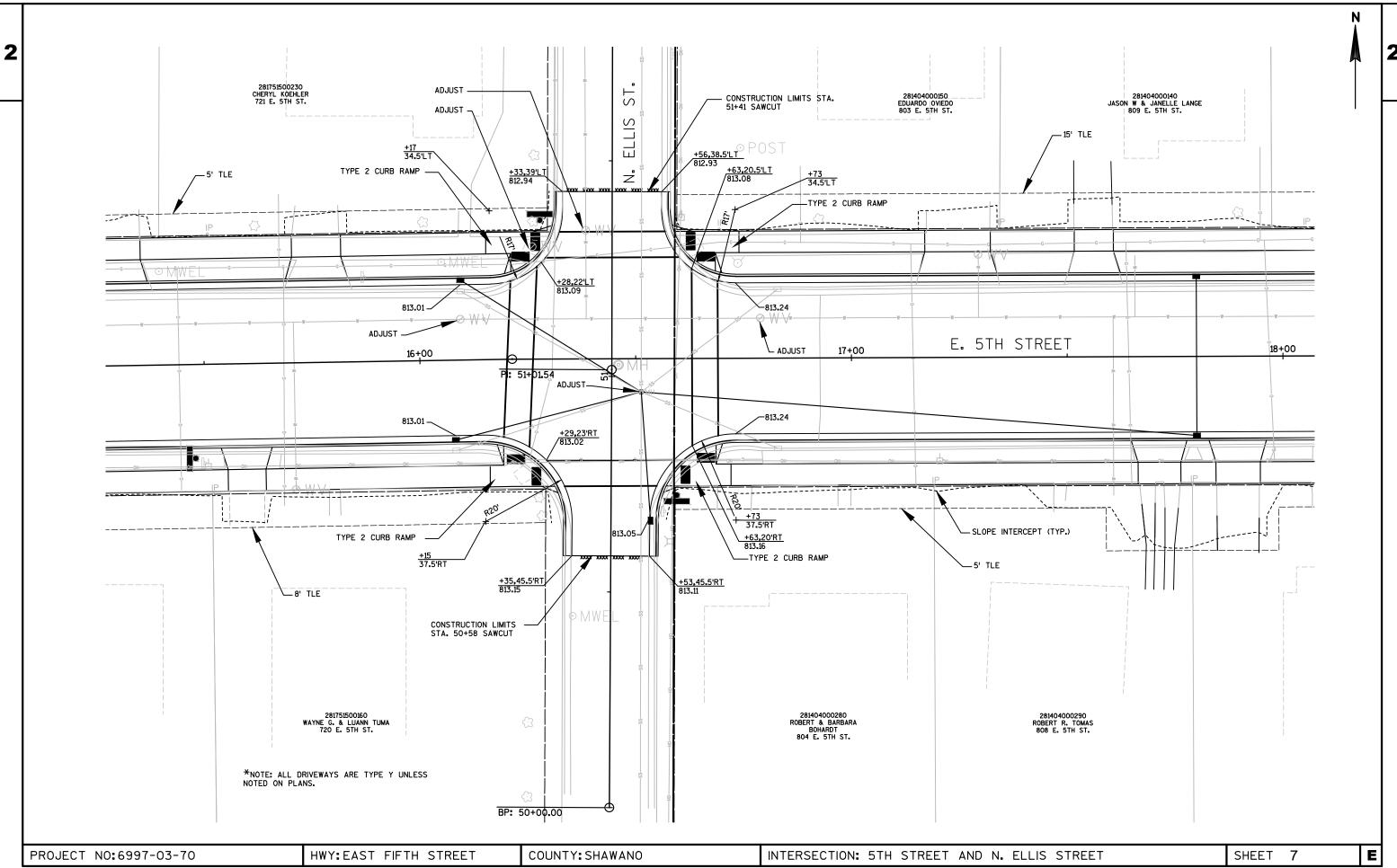
- NOTES:
 1. PROVIDE 1" EXPANSION JOINTS AT 300' INTERVALS OR AS SPECIFIED. PROVIDE CONTRACTION JOINTS EVERY 30' OR AS DIRECTED.
- 2. AT REMOVAL AND REPLACEMENT AREAS AND AT TIE-INS TO EXISTING CURB AND GUTTER, PROVIDE (2) *5 BARS, 18" LONG. DRILL AND GROUT INTO EXISTING CURB AND GUTTER 9". MATCH EXISTING SLOPE OF EXISTING GUTTER PAN.

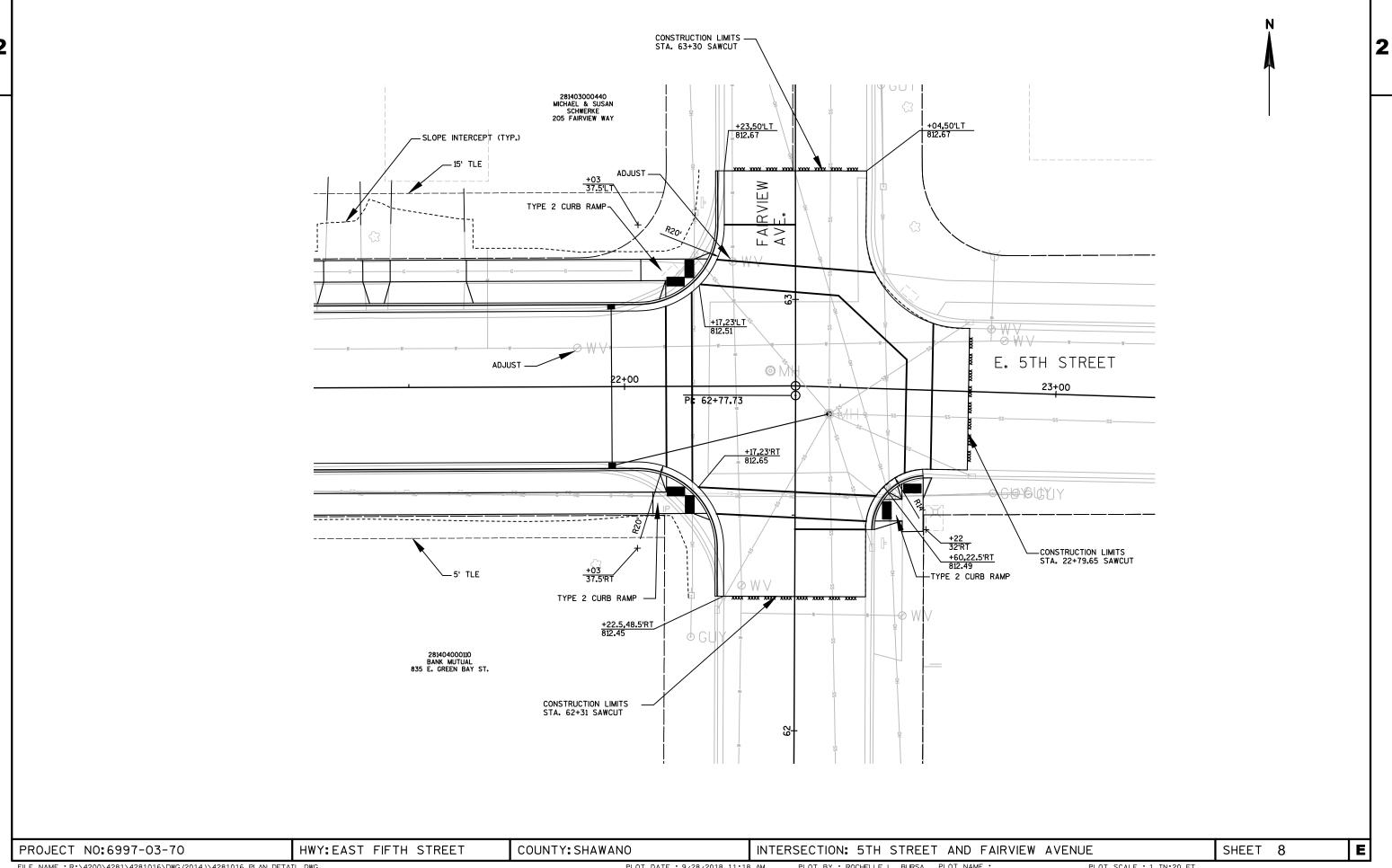
CONCRETE CURB AND GUTTER 24-INCH, TYPE D

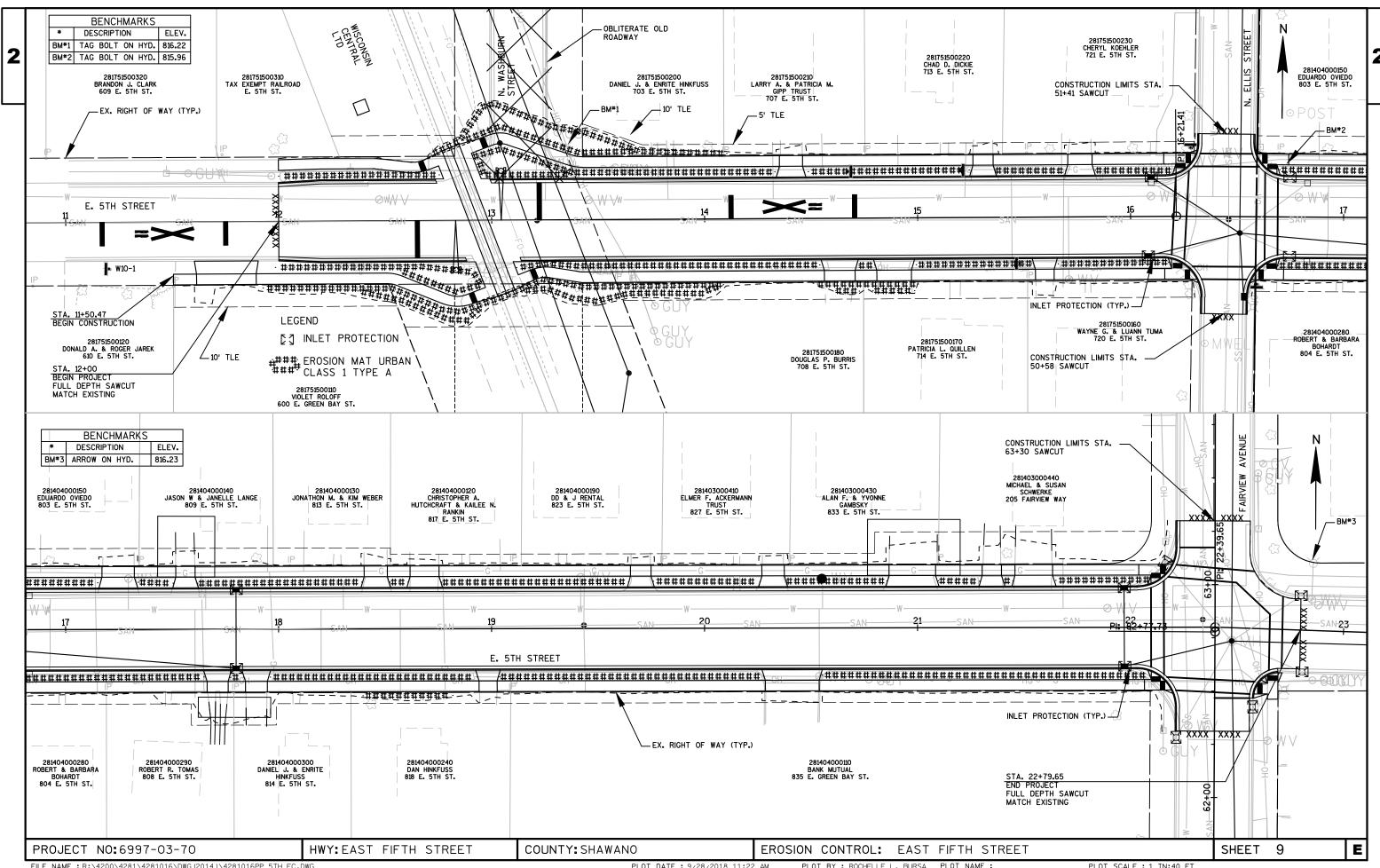
PROJECT NO:6997-03-70 HWY: EAST FIFTH STREET COUNTY: SHAWANO SHEET 4 E PLAN: CONSTRUCTION DETAILS PLOT DATE: 10/31/2018 1:56 PM PLOT BY: ROCHELLE L. BURSA PLOT NAME: PLOT SCALE : ######## WISDOT/CADDS SHEET 42

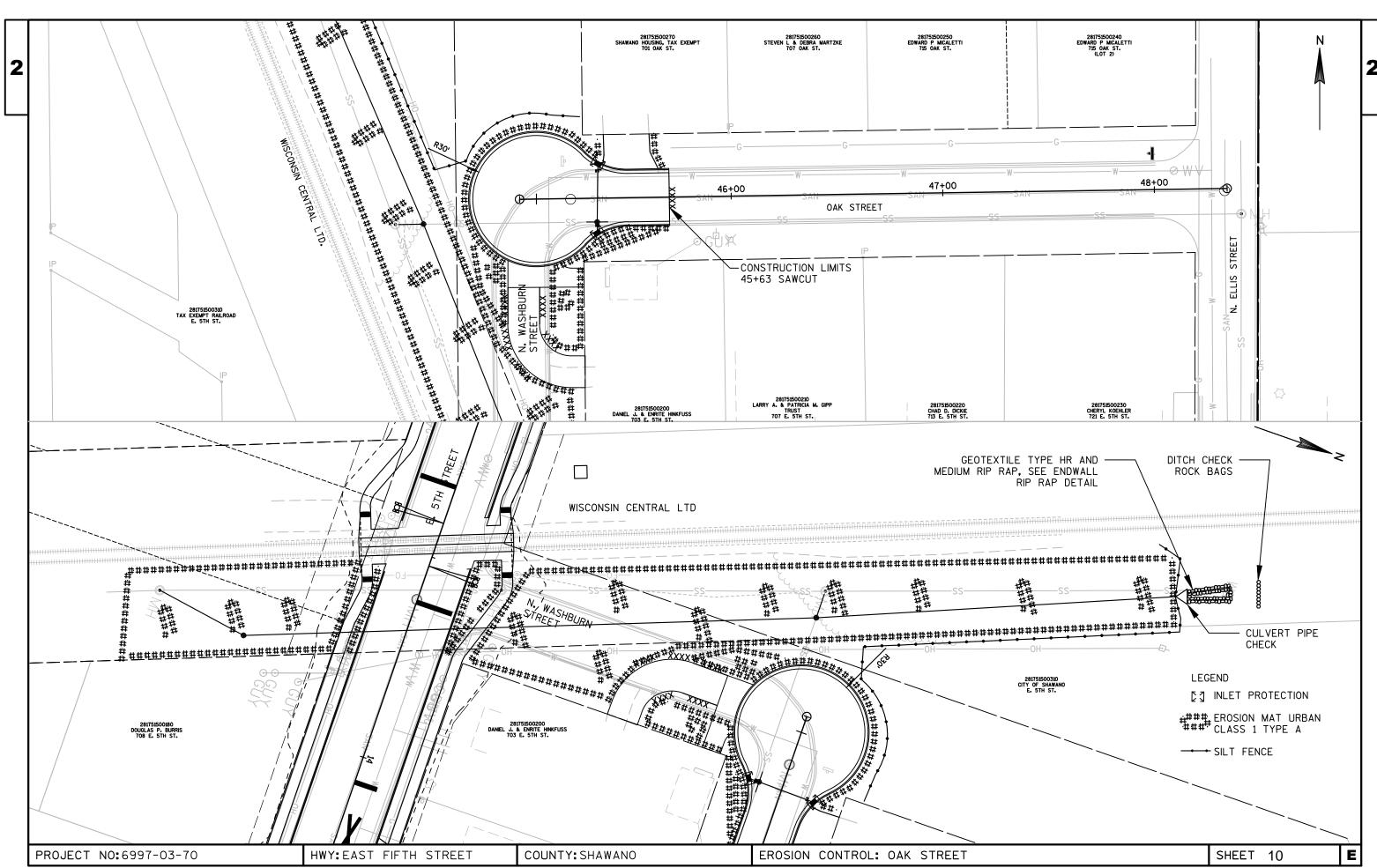


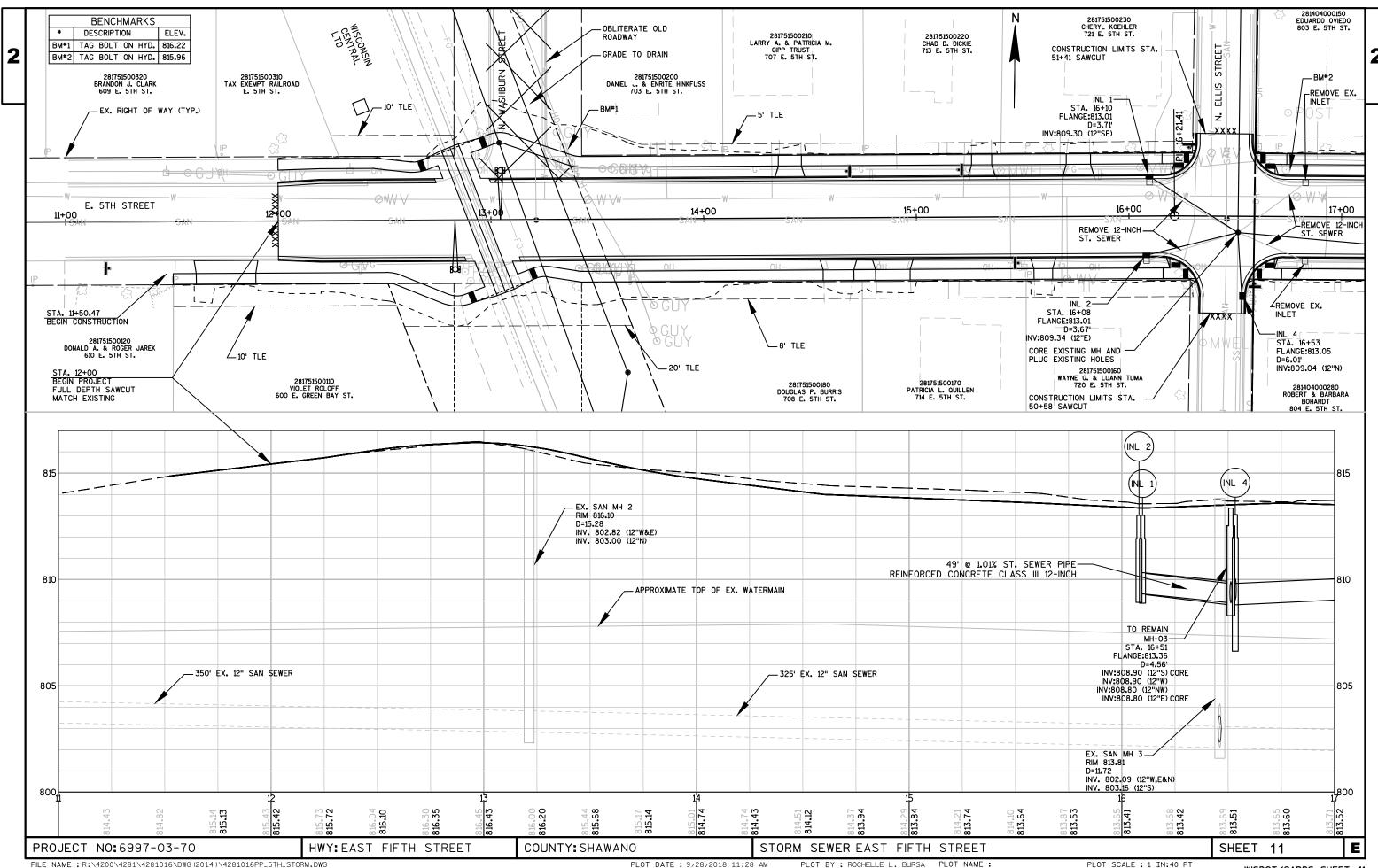


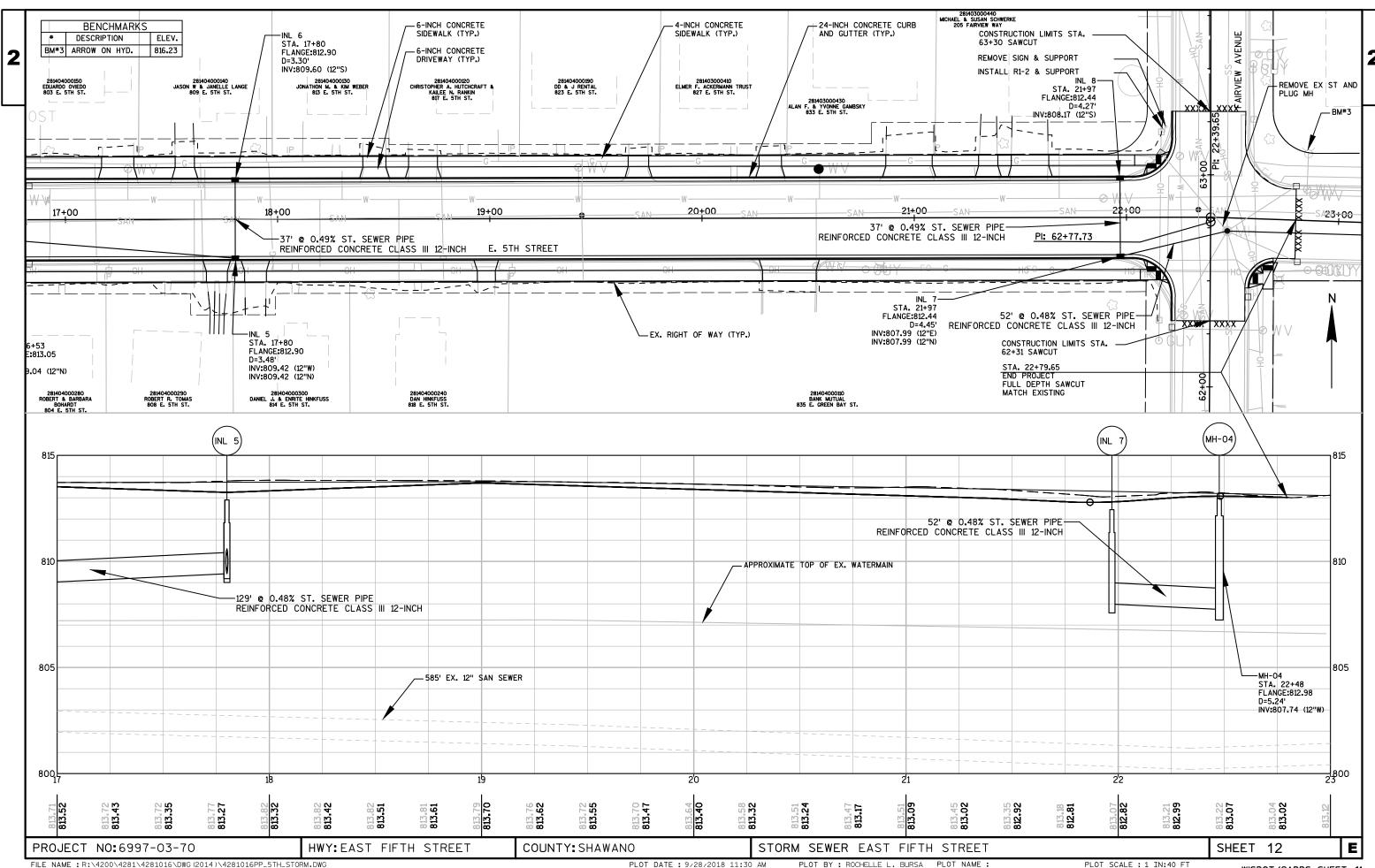


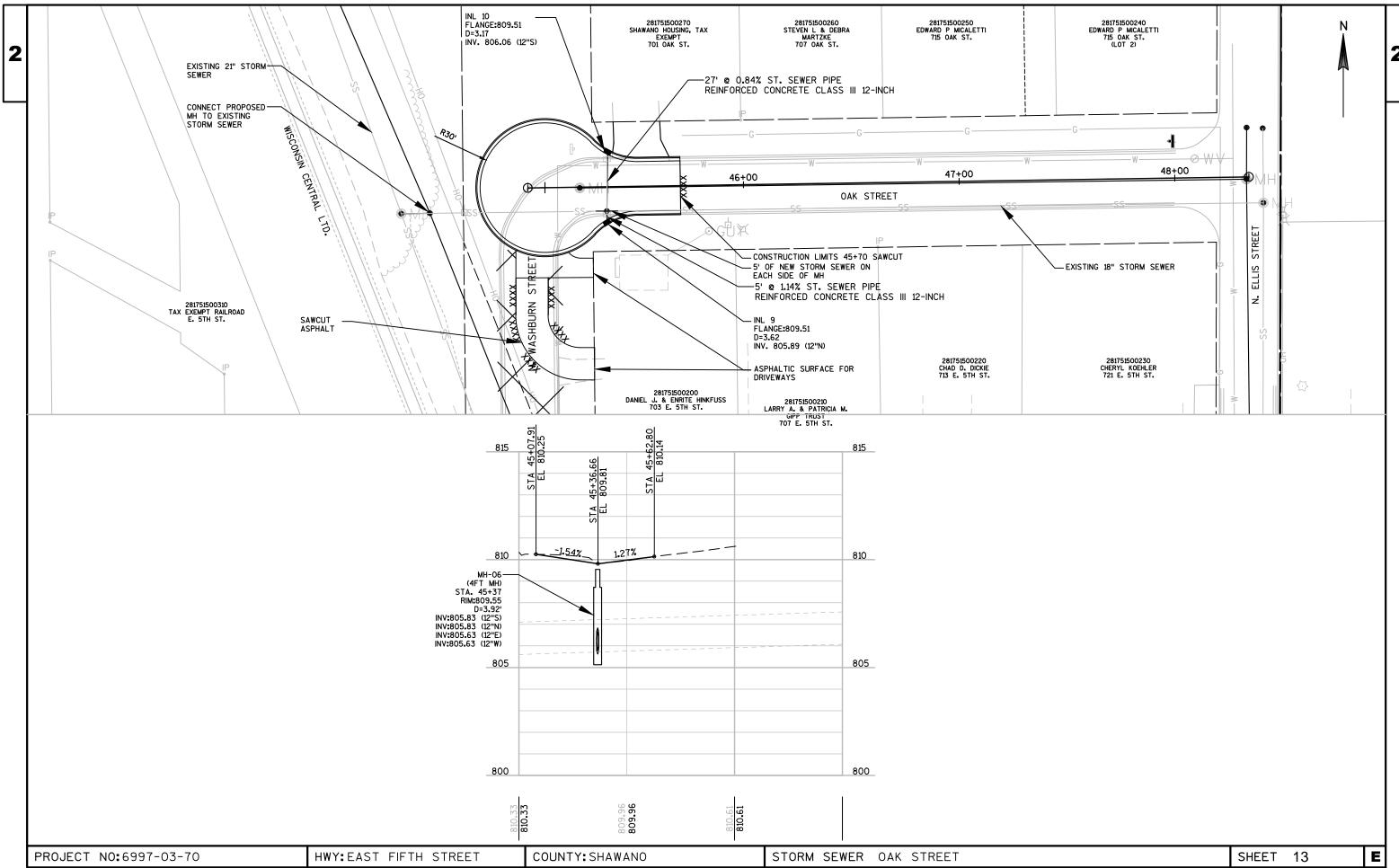


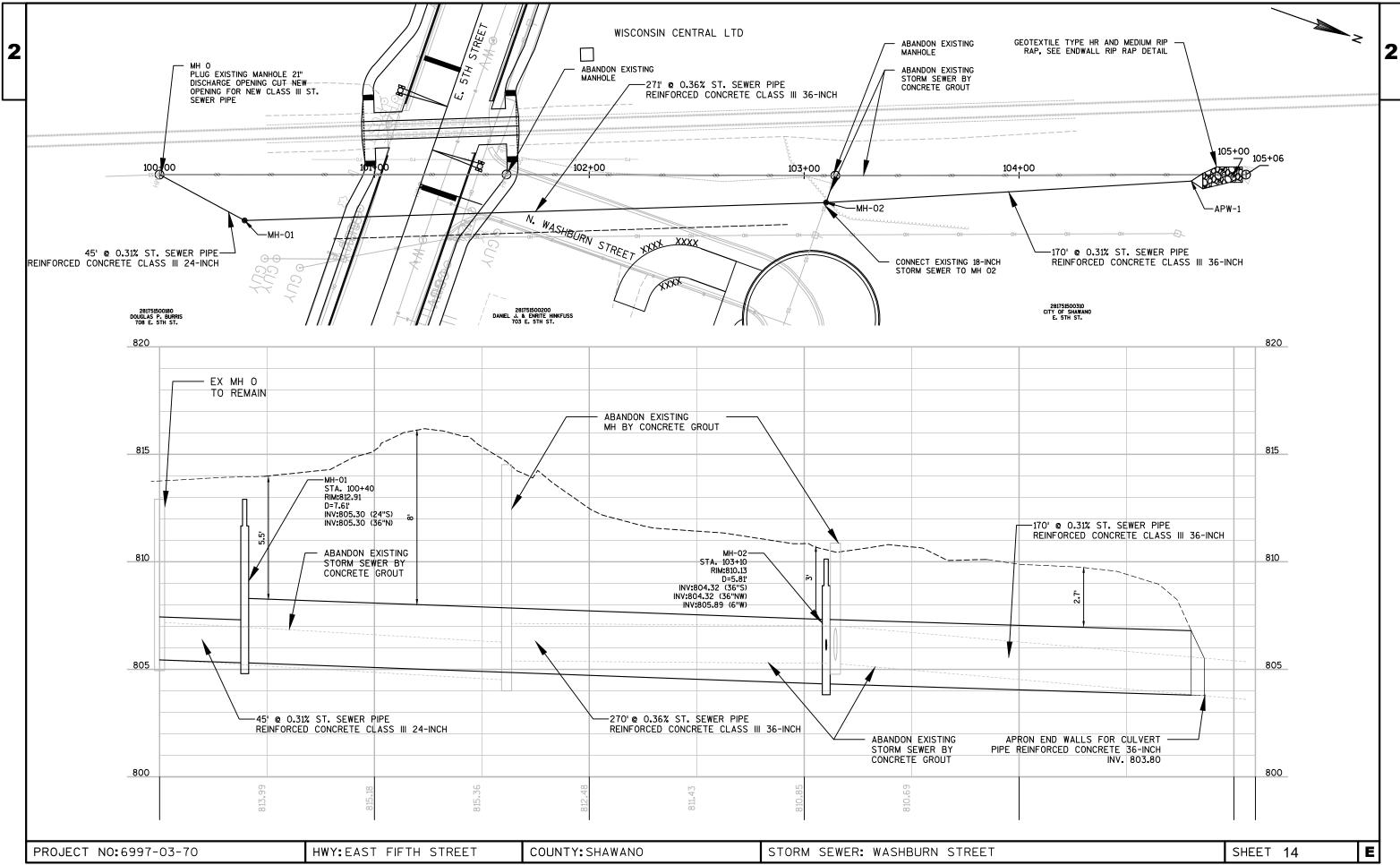


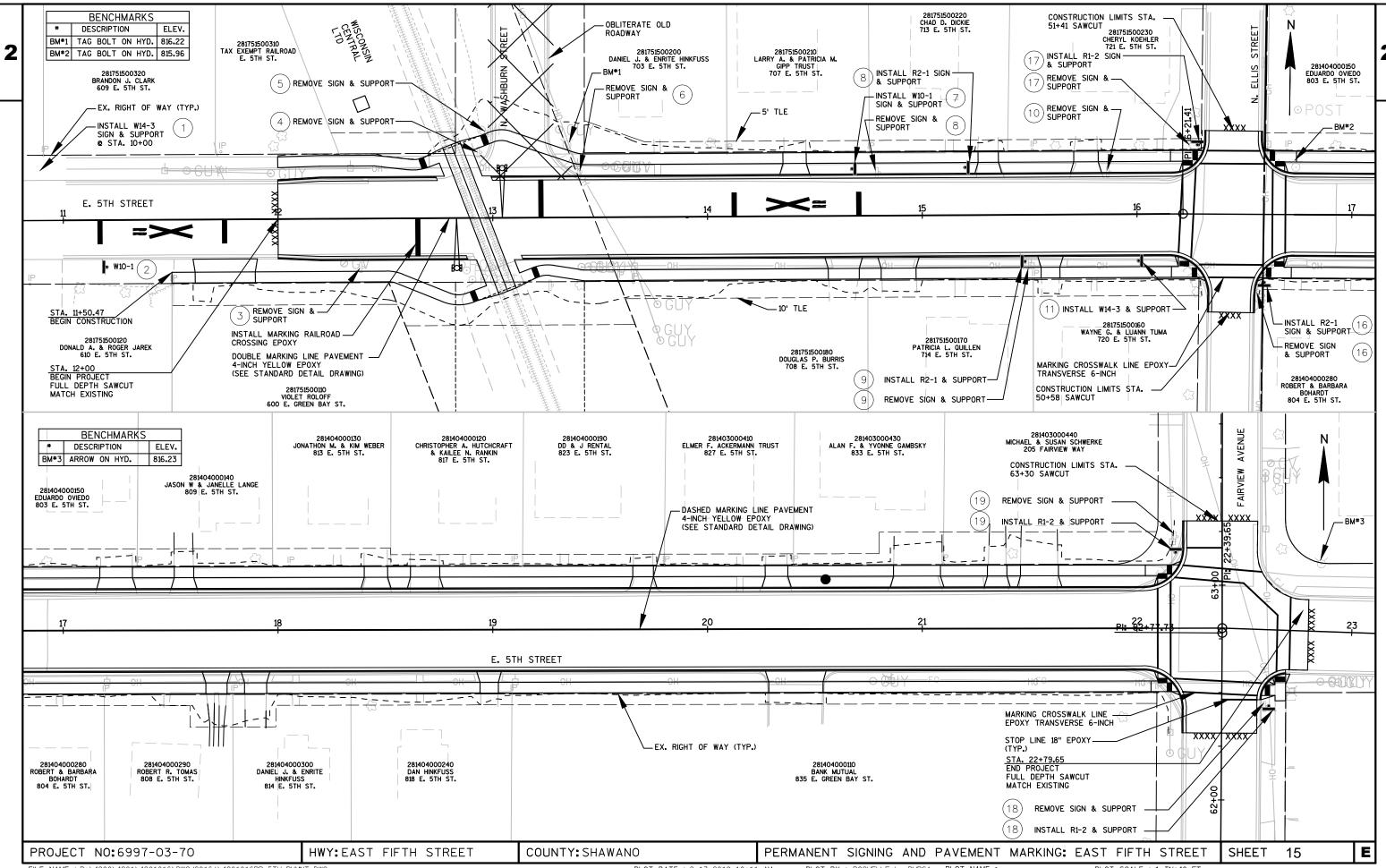


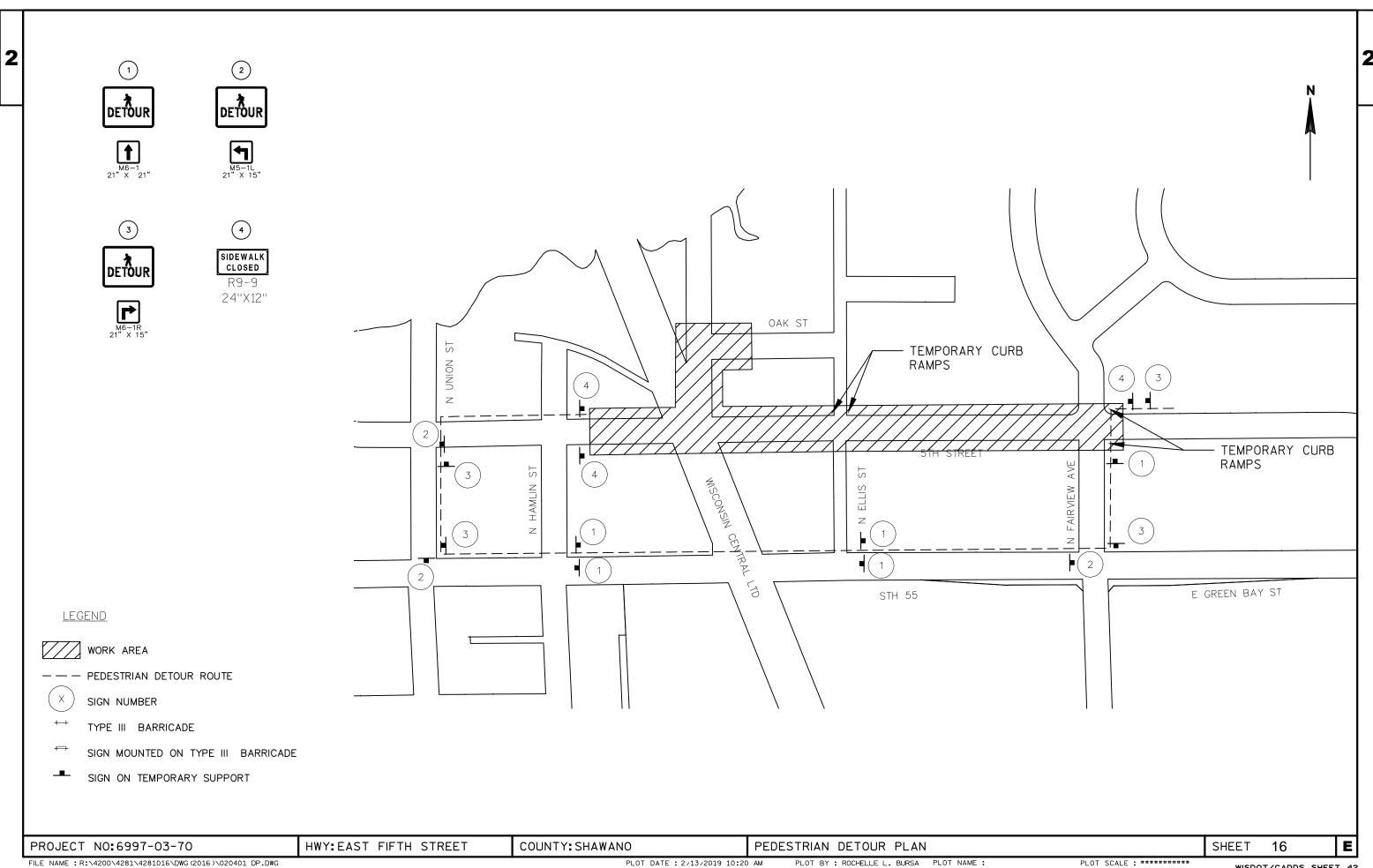


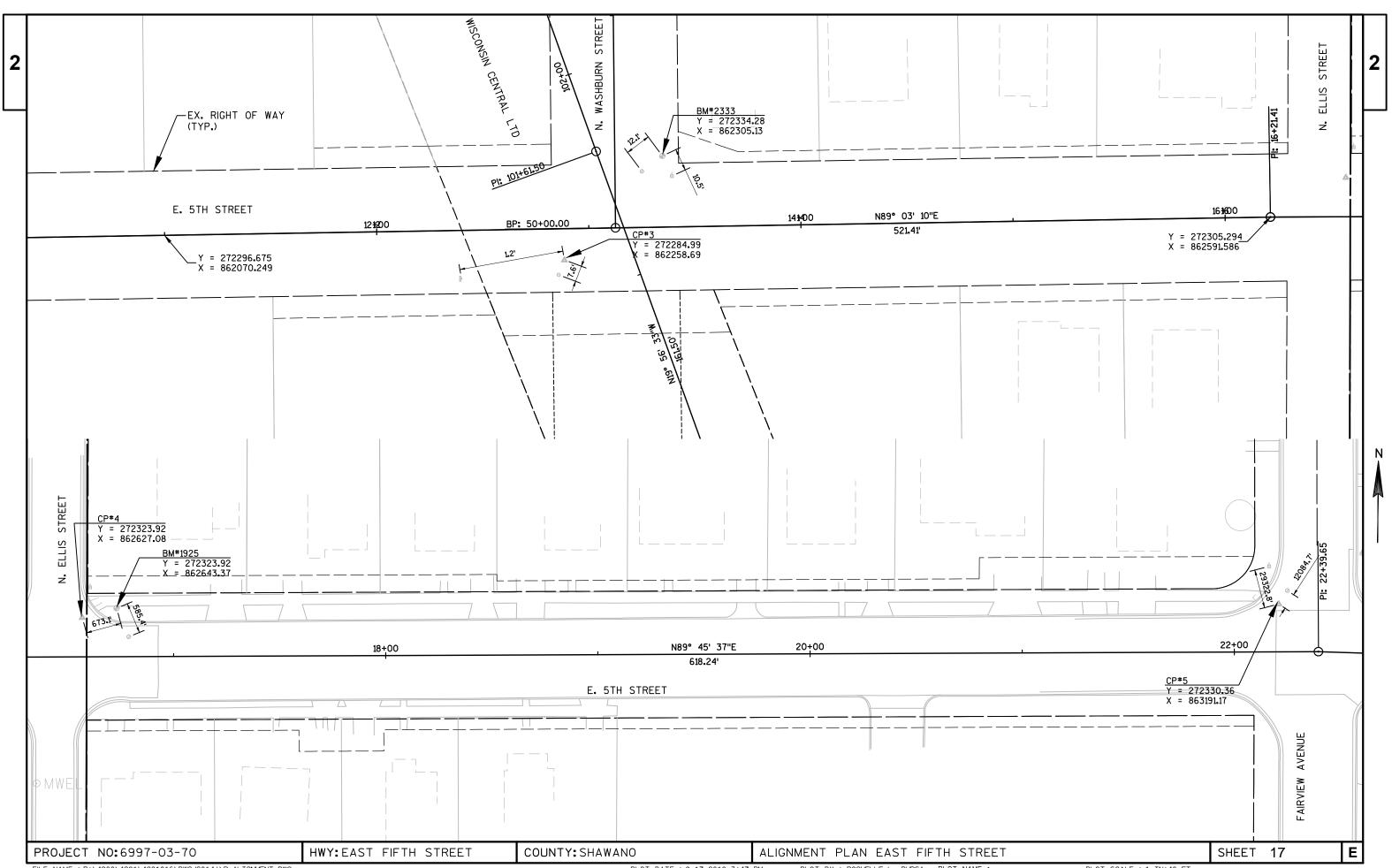


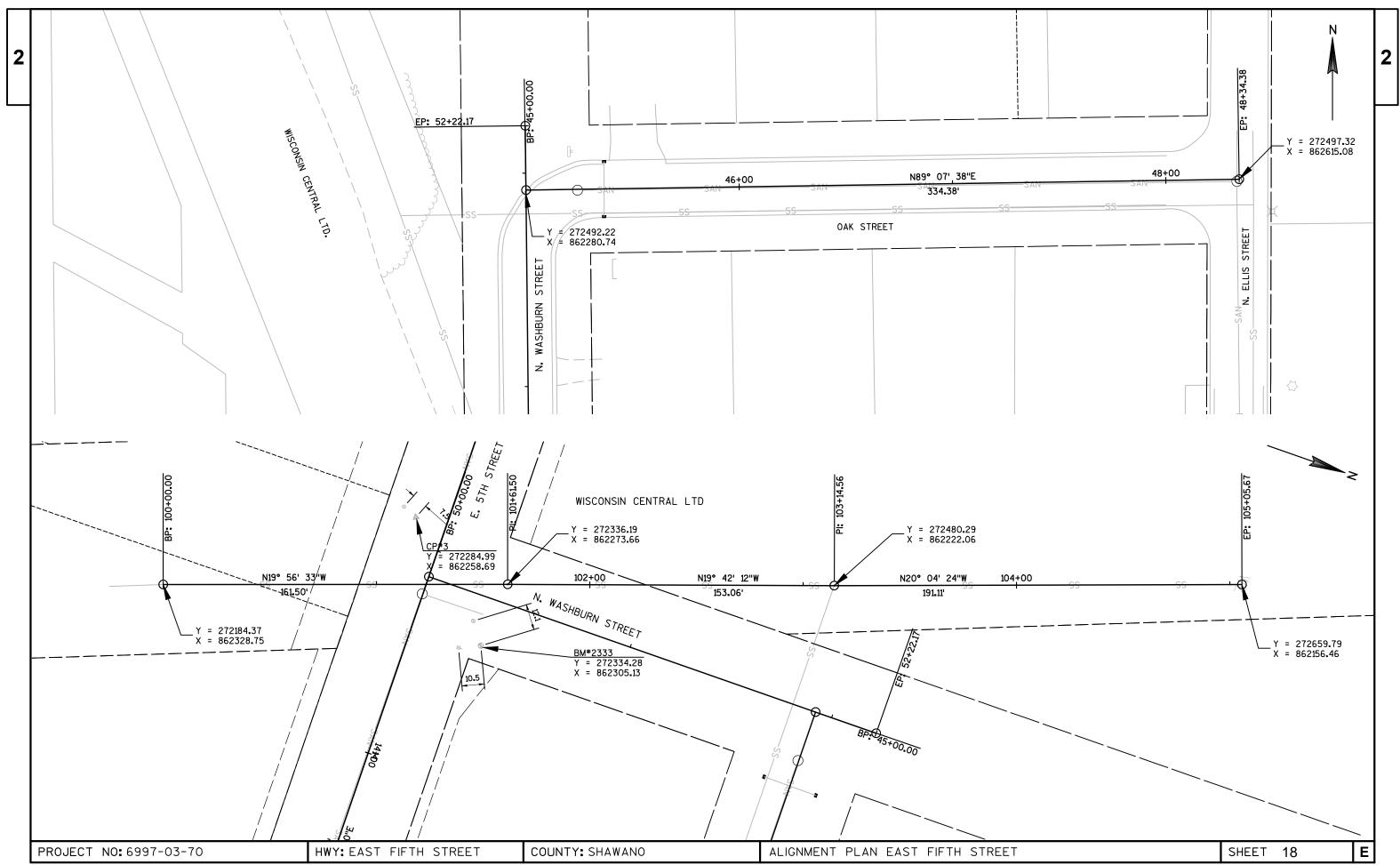












0074

611.8110 Adjusting Manhole Covers

					LStilliate Of
					6997-03-70
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	2.000	2.000
0004	201.0205	Grubbing	STA	2.000	2.000
0006	204.0100	Removing Pavement	SY	210.000	210.000
8000	204.0110	Removing Asphaltic Surface	SY	4,670.000	4,670.000
0010	204.0150	Removing Curb & Gutter	LF	2,350.000	2,350.000
0012	204.0155	Removing Concrete Sidewalk	SY	900.000	900.000
0014	204.0215	Removing Catch Basins	EACH	7.000	7.000
0016	204.0245	Removing Storm Sewer (size) 01. 12-inch	LF	207.000	207.000
0018	204.0245	Removing Storm Sewer (size) 02. 18-inch	LF	10.000	10.000
0020	204.0245	Removing Storm Sewer (size) 03. 21-Inch	LF	15.000	15.000
0022	204.0250	Abandoning Manholes	EACH	2.000	2.000
0024	204.0291.S	Abandoning Sewer	CY	42.000	42.000
0026	205.0100	Excavation Common	CY	3,460.000	3,460.000
0028	213.0100	Finishing Roadway (project) 01. 6997-03-70	EACH	1.000	1.000
0030	214.0100	Obliterating Old Road	STA	1.400	1.400
0032	305.0110	Base Aggregate Dense 3/4-Inch	TON	350.000	350.000
0034	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	4,000.000	4,000.000
0036	416.0160	Concrete Driveway 6-Inch	SY	415.000	415.000
0038	455.0605	Tack Coat	GAL	300.000	300.000
0040	460.2000	Incentive Density HMA Pavement	DOL	770.000	770.000
0042	460.5223	HMA Pavement 3 LT 58-28 S	TON	700.000	700.000
0044	460.5225	HMA Pavement 5 LT 58-28 S	TON	500.000	500.000
0046	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	20.000	20.000
0048	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	1.000	1.000
0050	602.0405	Concrete Sidewalk 4-Inch	SF	8,920.000	8,920.000
0052	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	180.000	180.000
0054	606.0200	Riprap Medium	CY	12.000	12.000
0056	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	45.000	45.000
0058	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	440.000	440.000
0060	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	401.000	401.000
0062	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	10.000	10.000
0064	611.0530	Manhole Covers Type J	EACH	3.000	3.000
0066	611.0624	Inlet Covers Type H	EACH	9.000	9.000
0068	611.1230	Catch Basins 2x3-FT	EACH	9.000	9.000
0070	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0072	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000

EACH

2.000

2.000

Estimate Of Quantities Page 3

					6997-03-70
Line	Item	Item Description	Unit	Total	Qty
0154	650.9000	Construction Staking Curb Ramps	EACH	17.000	17.000
0156	650.9910	Construction Staking Supplemental Control (project) 01. 6997-03-70	LS	1.000	1.000
0158	650.9920	Construction Staking Slope Stakes	LF	1,080.000	1,080.000
0160	690.0150	Sawing Asphalt	LF	350.000	350.000
0162	690.0250	Sawing Concrete	LF	240.000	240.000
0164	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
0166	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
0168	SPV.0090	Special 01. Concrete Curb and Gutter 24-inch, Type D	LF	2,330.000	2,330.000
0170	SPV.0120	Special 01. Water for Seeded Areas	MGAL	76.000	76.000
0172	SPV.0195	Special 01. Asphalt Surface Sidewalk	TON	7.000	7.000

DE	мо	/ A I	•
RE	יטואו	VAL	

204 0100 204.0110 204.0150 204.0155

SURFACE GUTTER SIDE	CRETE WALK SY
, , , , , , , , , , , , , , , , , , , ,	
PEMENT ASPHALTIC CURB& CONC	REIE
EMENT ASSUMPTION OF SOME	
MOVING REMOVING REMOVING REM	OVING
-4.0100 204.0110 204.0100 204	.0100
20 1.0 1 10	204

CLEARING AND GRUBBING

PROJECT TOTAL

				201.0105	201.0205
				CLEARING	GRUBBING
CATEGORY	STA	TC	STA	STA	STA
0010	103+00	-	105+00	2	2
SUBTOTAL (0010)		2	2	

AGGREGATE

			305.0110	305.0120	624.010
			BASE	BASE	
			AGGREGATE	AGGREGATE	WATER
			DENSE 3/4-	DENSE 1 1/4-	VVAILIN
			INCH	INCH	
CATEGORY	STA TC	STA	TON	TON	MGAL
0010	12+00	12+90	0	300	3.0
	12+97	16+40	0	1,143	11.4
	16+40	22+80	0	2,133	21.3
0010	N ELI	LIS	0	116	1.2
	FAIRV	IEW	0	202	2.0
0010	N WASH	IBURN	0	78	8.0
	12+97	ALKS	278	0	2.8
0010		VAYS	57	0	0.6
	UNDISTR	BUTED	15	27	7.0
SUBTOTAL (0010)			350	4,000	50

350

4,000

50

					SURFACE	GUITER	SIDEWALK
CATEGORY	STA	STA	OFFSET	SY	SY	LF	SY
	12+00	12+90	CL		340		
	12+97	22+80	CL		3712		
	50+58	50+85	N ELLIS		60	20	
	51+19	51+41	N ELLIS		61	16	
	62+31	62+61	FAIRVIEW		113	40	75
	62+95	63+30	FAIRVIEW		132	10	
	44+93	45+63	N		240	334	
	12+00	12+90	LT			42	39
	12+00	12+90	RT			90	
	12+97	16+40	LT			305	167
	12+97	16+40	RT			334	152
	16+40	22+80	LT			573	309
	16+40	22+80	RT			573	147
	14+40		LT	9			
	14+65		RT	6			
	14+90		RT	7			
	15+30		LT	7			
	15+60		RT	4			
	15+75		LT	9			
	17+25		LT	12			
	17+55		LT	8			
	17+72		RT	5			
	17+90		RT	5			
	18+45		LT	9			
	18+70		LT	10			
	19+00		RT	5			
	19+70		LT	8			
	20+35		LT	9			
	20+50		RT	11			
	21+00		LT	16			
	21+35		LT	7			
	21+50		LT	12			
	45+50		N	43			
				_			

210

OBLITERATING OLD ROAD 214.0100 OBILTERATING OLD ROAD OLD ROAD STA N WASHBURN ST 1.4 TOTAL 1.4					
	OBILTERATING				
LOCATION	STA				
N WASHBURN ST	1.4				
TOTAL	1.4				

Division	From/To Station	Location	Common Excavation (1) Cut (2)	(item # 205.0100) EBS Excavation (3)	Salvaged/ Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13) Factor	Mass Ordinate +/- (14)	Waste	Borrow	Comment:
0010	11+50 / 22+90	5th St. Mainline	3142		0	3142	63	1.25	3063	3063	(item #208.0100)	
	44+85 / 45+70		205	0		205	03	/ 9	205	205		
0010	Undistributed	Oak Street	113	0	0	113	0	0	0	0	0	
Division 0010 Subtotal			3460	0	0	3460	63	79	3268			
Grand Total			3460	0	0	3460	63	79	3268	3268	0	
			Total Common Exc	3460								

- 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.

13

2350

- 3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
- 4) Salvaged/Unusable Pavement Material
- 5) Available Material = Cut Salvaged/Unusuable Pavement Material
- 6) Expanded Fill. Factor = 1.25

Depending on selections:

- $\underline{\textbf{Expanded Fill} = (\textbf{Unexpanded Fill} \textbf{Rock*} \ \textbf{Rock Factor} \textbf{Reduced Marsh} \textbf{Reduced EBS}) * \textbf{Fill Factor}}$ Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
- Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
- Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
- 7) The Mass Ordinate + or Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.
- 8) Use 281 CY of material from Division 0010. Borrow Excavation item number 208.0100

PROJECT NO:6997-03-70 HWY: EAST FIFTH STREET MISCELLANEOUS QUANTITIES SHEET 19 Ε COUNTY: SHAWANO

45+50 UNDISTRIBUTED

PROJECT TOTAL

PROJECT TOTAL

SEWER	

											APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36- INCH	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	DIDE CLASS III A 12	STORM SEWER PIPE CLASS III-A 18 INCH	MANHOLE COVERS TYPE J	INLET COVERS TYPE H	CATCH BASINS 2X3 FT		MANHOLES 6- FT DIAMETER	CONSTRUCTION STAKING STORM SEWER	ADJUSTING MANHOLE COVERS
		DIRA (EL ANIGE	TOP OF	STRUCTURE	athuature	FROM	TO OTRUCTURE	.	151) (FDT 151	INVEST OUT	522.1036	608.0324	608.0336	608.3012	608.3018	611.0530	611.0624	611.123	611.2004	611.2006	650,4000	611.8110
STRUCTURE NO.	LOCATION	RIM / FLANGE ELEVATION	STRUCTURE	INVERT	STRUCTURE DEPTH		TO STRUCTURE		INVERT IN ELEVATION	INVERT OUT ELEVATION	EACH	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH
STRUCTURE NO.	LOCATION	ELEVATION	ELEVATION	ELEVATION	DEPTH	NO.	NO.	% SLOPE	ELEVATION	ELEVATION	EACH	l r		LF	LF	EACH	EACH	LEACH	EACH	EACH	EACH	EACH
INL 1	16+10	813.01	812.01	809.30	2.71	INL 1	MH 3	1.00	809.30	808.80				50			1	1			1	
INL 2	16+10	813.01	812.01	809.34	2.67	INL 2	MH 3	1.00	809.34	808.90				44			1	1			1	
	16+80																					
INL 4	16+54	813.05	812.05	809.04	3.01	INL 4	MH 3	1.00	809.04	808.80				24			1	1			1	
MH 3	16+51	813.36																				1
INL 5	17+80	812.90	811.90	809.42	2.48	INL 5	MH 3	0.40	809.42	808.90				129			1	1			1	
INL 6	17+80	812.90	811.90	809.60	2.30	INL 6	INL 5	0.50	809.60	809.42				36			1	1			1	
INL 7	21+97	812.44	811.44	807.99	3.45	INL 7	MH 4	0.50	807.99	807.74				50	-		1	1			1	
INL 8	21+97	812.44	811.44	808.17	3.27	INL 8	INL 7	0.50	808.17	807.99				36			1	1			1	
MH 4	22+39	812.98									-			-	-							1
MH 0	100+00	812.91		805.44		MH 0	MH 1	0.31	805.44	805.30		45				1				1	1	
MH 1	100+40	814.00	812.75	805.30	7.45	MH 1	MH 2	0.31	805.30	804.46			270			1				1	1	
	101+62															-					-	
MH 2	103+10	810.80	809.55	805.46	4.09	MH 2	APW 1	0.31	804.46	803.93			170	-								
APW 1	104+80			803.80					803.93	803.80	1										1	
INL 9	45+37	809.47	808.47	805.89	2.58	INL 9	MH 6	2.00	805.89	805.79				5			1	1			1	
INL 10	45+37	809.47	808.47	806.06	2.41	INL 10	MH 6	1.00	806.06	805.79				27			1	1			1	
MH 6	45+37	809.55	808.30	805.63	2.67	MH 6	MH 2	MATCH					-		10	1			1		1	-
PROJECT TOTAL		I		1		1				1	1	45	440	401	10	3	9	9	1	2	13	2

STATION AND OFFSET MEASURED TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED. TOP OF STRUCTURE ELEVATION MEASURED AS FOLLOWS:

INLET: TYPE H COVERS = RIM - 6" CASTING - 6" ADJUSTMENT = 12" (1.00')

MANHOLE: TYPE J COVERS = RIM - 9" CASTING - 6" ADJUSTMENT = 15" (1.25')

STRUCTURE DEPTH MEASURED AS TOP OF STRUCTURE ELEVATION - STRUCTURE INVERT ELEVATION.

RIM / FLANGE ELEVATION TAKEN FROM FLANG LINE OR CENTER OF MANHOLE COVER

ENDWALL STATION AND OFFSET MEASURED TO END OF SLOPED SECTION OF STRUCTURE UNLESS OTHERWISE NOTED.

STORM SEWER REMOVAL ITEMS

		ABANDONING MANHOLES	REMOVING CATCH BASINS	REMOVING STORM SEWER 12-INCH	REMOVING STORM SEWER 18- INCH	REMOVING STORM SEWER 21- INCH	ABANDONING SEWER
		204.0250	204.0215	204.0245	204.0245	204.0245	204.0291.S
STRUCTURE							
NO.	LOCATION	EACH	EACH	LF	LF	LF	CY
INL 1	16+10		1	47			-
INL 2	16+10		1	44			
	16+80		1	34			
INL 4	16+54		1	34			
MH 3	16+51						
INL 5	17+80						
INL 6	17+80						
INL 7	21+97						
INL 8	21+97		1	48			
MH 4	22+39						
MH 0	100+00						
MH 1	100+40						
	101+62	1					
MH 2	103+10	1					
APW 1	104+80	-				15	42
INL 9	45+37		1				
INL 10	45+37	-	1				-
MH 6	45+37		-		10	-	
	<u> </u>	2	7	207	10	15	42

	213.0100	618.0100	619.1000	642.5001	643.5000
	FINISHING	MAINTENANCE AND REPAIR	MOBILIZATION	FIELD	TRAFFIC
	ROADWAY	OF HAUL ROADS	WOBILIZATION	OFFICE	CONTROL
	6997-03-70	6997-03-70		TYPE B	
CATEGORY	EACH	EACH	EACH	EACH	EACH
0010	1	-	1	1	1
0020	-	1	-	-	-
SUBTOTAL (0010)	1	0	1	1	1
SUBTOTAL (0020)	0	1	0	0	0
PROJECT TOTAL	1	1	1	1	1

RIPRAP AND GEOTEXTILE FABRIC

				606.0200	645.0120
				RIPRAP	GEOTEXTILE
				MEDIUM	TYPE HR
CATEGORY	STATION	OFFSET	LOCATION	CY	SY
0010	105+00	CL	N WASHBURN	12	24
SUBTOTAL (0010)			12	24
	PROJECT '	TOTAL		12	24

CONCRETE ITEMS

				416.0160	602.0405	602.0515	644.1601.S	SPV.0090.01
					CONCRETE SIDEWALK 4- INCH	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	TEMPORARY CURB RAMP	CONCRETE CURB & GUTTER 24-INCH, TYPE D
CATEGORY	STAT	ION	LOCATION	SY	SF	SF	EACH	LF
0010	12+00 -	12+74	. LT		370	10		74
0010	11+47 -	12+92	RT	38	590	10		88
	12+95	16+30	LT	49	1505	10		342
	13+15	16+28	RT	54	1375	10		325
	16+60	22+20	LT	154	2260			593
	16+60	22+20	RT	74	2540			593
	NEL	.LIS			100	80	2	28
	FAIRV	/IEW			165	60	2	50
	N WASH	HBURN		40				230
	UNDISTR	IBUTE)	7	15			7
SUBTOTAL (0	010)			415	8920	180	4	2330
PROJECT TO	TAL			415	8920	180	4	2330

ASPHALT ITEMS

			455.0605	460.5223	460.5225	465.0120	SPV.0195.01
						ASPHALTIC	
			TACK	HMA	HMA	SURFACE	APHALT
			COAT	PAVEMENT	PAVEMENT	DRIVEWAYS	SURFACE
			COAI	3 LT 58-28 S	5 LT 58-28 S	AND FIELD	SIDEWALK
						ENTRANCES	
CATEGORY	STA T	O STA	GAL	TON	TON	TON	TON
0010	12+00	12+90	21	48	34		
0010	12+96	16+40	81	181	130		
0010	16+40	22+80	150	336	240		
0010	44+70	45+70	24	56	39		
0010	N El	LIS	8	27	12		
0010	FAIR'	VIEW	15	35	24		
0010	DRIVE	WAYS	-			15	
0010	RR CR	OSSING					7
0010	UNDISTE	RIBUTED	1	17	21	5	
SUBTOTAL (0	010)		300	700	500	20	7
PROJECT TO	TAL		300	700	500	20	7

COUNTY: SHAWANO HWY: EAST FIFTH STREET SHEET 20 Ε PROJECT NO:6997-03-70 MISCELLANEOUS QUANTITIES

FILE NAME : R:\4200\4281\4281016\DWG(2016)\030201_MQ.DWG LAYOUT NAME - ****

PLOT DATE: 10/31/2018 2:02 PM

PLOT BY: ROCHELLE L. BURSA PLOT NAME:

PLOT SCALE : ########

WISDOT/CADDS SHEET 42

	3
ı	v

								004.0012	SIGNIN	_	007.0000	000 0400	000 0000	000 0005						<u>\$</u>	SAWING		
								634.0810 POSTS	634.0814 POSTS	637.2210	637.2220	638.2102	638.2602	638.3000								0.0150	690.0250
								TUBULAR STEEL 2X2-	TUBULAR STEEL 2X2-	REFLECTIVE	I SIGNS TYPE II REFLECTIVE				I							AWING PHALT C	SAWING CONCRETE
0.01			a.c.					INCH X 10- FT	INCH X 14- FT	Н	SH	II	II	SUPPORTS					CATEGORY L			LF	<u>LF</u>
SIGN NO.	STATION L	OCATION	SIGN I CODE		SIGN MESSAGE		SIZE IN X IN	EACH	EACH	SF	SF	EACH	EACH	EACH	COMMENTS	3				FIFTH ST N ELLIS		65 42	
1	10+00	LT	W14-3	NO	PASSING ZOI	NE	48 36		1	5.56					2 3				0010 F	FAIRVIEW		60	
2	11+20 12+40	RT RT	W10-1 	ΕX	RR RR SIGN/YIEL	D	30 30		1	4.91 			 2	 1						WASHBURN SIDEWALK		130	 10
4	12+95	LT			EX RR SIGN								1	1					CUR	B & GUTTER			20
5	12+98	LT LT			STREET SIG								2	1						RIVEWAYS DISTRIBUTED		50 3	205 5
7	13+40 14+70	LT	 W10-1	EX	RR SIGN/YIEL RR	רח	30 30		1	 4.91			-	-					SUBTOTAL (00			350	240
8	15+20 15+45	LT	R2-1		25 MPH		24 30		1	5.00 5.00			1	1					PROJECT TO	TAL		350	240
9 10	15+45 15+88	RT LT	R2-1 		25 MPH EX RR SIGN		24 30		1 	5.00 			1 1	1						_			
11	16+00	RT	W14-3	NO	PASSING ZOI		48 36		1	5.56	 2.25												
12 13	44+72 44+72	LT CL	W5-56 W5-56		VE DOTS ON VE DOTS ON		18 18 18 18	1 1			2.25 2.25									PAVEMENT M	MARKING		
14	44+72	RT	W5-56	REFLECTI	VE DOTS ON	SQUARE	18 18	1			2.25		<u></u>		DEMOTALL EVICE	NAME OF STREET							
15 16	45+20 N ELLIS	LT RT	 R1-2	EX	STREET SIG	iΝ	30		1 2	 2.71		1 1	1 1	1 1	REINSTALL EX STREET REINSTALL EX STREET					646.1020	646.5320	646.6120	646.7420
17	N ELLIS	LT	R1-2		YIELD		30		2	2.71		1	1	1	REINSTALL EX STREET	NAME SIGNS				=		MARKING	
	FAIRVIEW FAIRVIEW	RT LT	R1-1 R1-1		STOP STOP		30 30 30 30		2 2	6.25 6.25		1 1	1 1	1 1	REINSTALL EX STREET REINSTALL EX STREET					MARKING LINE	MARKING RAILROAD	STOP LINE	CROSSWALK EPOXY
BTOTAL (2.3.			3	14	43.30	6.75	5	15	12		5,0,,0				EPOXY	CROSSING	EPOXY	TRANSVERSE
OJECT TO	OTAI							3	14	44.0	7.0	5	15	12						4-INCH	EPOXY	18-INCH	LINE 6-INCH
30L01 N	- 1/ 1							J	17		7.0	9	15	12				CATEOODY	OTA TO OTA	(YELLOW		. –	
																			STA TO STA 12+00 22+80	LF 0 870	EACH 2	LF 	<u>LF</u>
																		0010	N ELLIS				250
					FINIS	HING ITEM	ıs											0010 SUBTOTAL (0	FAIRVIEV	V 870	2	32 32	300 550
																		(· - /				
						628.2002 EROSION	629.0210	SEEDI	NG SEE	DING WAT	.0120.01 ER FOR							PROJECT TO		870	2	32	550
CATEGO 001 001 001 001 001	0 11+4 0 12+9 0 16+4 0 NW	ASHBURN) LT &) LT & N OBLITEF N 44+70-	T FT RT RT RT RATED 45+70	SY 202 574 959 557 245	EROSION IAT CLASS TYPE A SY 202 574 959 557 245	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.1	NG SEE E NO. TEMP I	EDING WAT SE ORARY AF	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4					DURATION	643.0300 TRAFFIC CONTROL	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES	DTAL DNTROL 643.0420 TRAFFIC CONTROL S BARRICADES	643.0705 TRAFFIC CONTROL WARNING	2 643.0 TRAF CONTROL	32 900 FIC	550
001 001 001 001	0 11+4 0 12+9 0 16+4 0 N.W. 0 N.W.	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN	B LT & D A4+70 - D 101+55 -	T FT RT RT RT RATED 45+70	SY 202 574 959 557	EROSION IAT CLASS TYPE A SY 202 574 959 557	629.021(FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.1	NG SEE NO. TEMP	EDING WAT SE ORARY AF	ER FOR EDED REAS IGAL 4.5 12.8 21.3						643.0300 TRAFFIC CONTROL DRUMS	PROJECT TO TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II	DTAL DNTROL 643.0420 TRAFFIC CONTROL S BARRICADES TYPE III	643.0705 TRAFFIC CONTROL S WARNING LIGHTS TYPE	2 643.0 TRAF CONTROL	32 900 FIC L SIGNS	550
001 001 001 001 001 001	0 11+4 0 12+9 0 16+4 0 N.W. 0 N.W.	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN	B LT & D A4+70 - D 101+55 -	TION RT RT RT RT RATED 45+70 105+00	OPSOIL M SY 202 574 959 557 245 844	EROSION IAT CLASS TYPE A SY 202 574 959 557 245 844	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.1 4.4 15.2	NG SEE NO. TEMP	EDING WAT ORARY AF _B M 5 15 26 15 7 23 9	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4				LOCATION E FIFTH ST	DAYS 58	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232	PROJECT TO TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0	DTAL DNTROL 643.0420 TRAFFIC CONTROLS S BARRICADES TYPE III S NO. DAYS 12 696	643.0705 TRAFFIC CONTROL 6 WARNING LIGHTS TYPE 6 NO. DAY: 18 1,04	2 643.09 TRAF CONTROL E.A S NO. [4 14	32 900 FIC L SIGNS DAYS 812	550
001 001 001 001 001 001 SUBTO	0 11+4 0 12+9 0 16+4 0 N W 0 N W 0 N W	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN	B LT & D A4+70 - D 101+55 -	TION RT RT RT RT RATED 45+70 105+00	SY 202 574 959 557 245 844 19	EROSION IAT CLASS TYPE A SY 202 574 959 557 245 844 19	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5	R SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.1 4.4 15.2 3.9	NG SEE NO. TEMP	EDING WAT SE ORARY AF AF M 5 5 15 26 26 22 15 7 223 9 00	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8				E FIFTH ST N ELLIS ST	DAYS 58 58	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS	OTAL ONTROL 643.0420 TRAFFIC CONTROL S BARRICADES TYPE III S NO. DAYS 12 696 4 232	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE S NO. DAYS 18 1,04- 8 464	2 643.09 TRAF CONTROL 5. A S NO. 1 4 14 . 8	32 900 FIC L SIGNS DAYS 812 464	550
001 001 001 001 001 001 SUBTO	0 11+. 0 12+. 0 16+. 0 N W. 0 N W. 0 N W. 0 UNDI	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN	B LT & D A4+70 - D 101+55 -	TION RT RT RT RT RATED 45+70 105+00	SY 202 574 959 557 245 844 19 3,400	EROSION IAT CLASS TYPE A SY 202 574 959 557 245 844 19 3,400	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.1 4.4 15.2 3.9 65	NG SEE NO. TEMP	EDING WAT SE ORARY AF	ER FOR EDED REAS IGAL 4.5 112.8 21.3 12.4 5.4 18.8 0.8				E FIFTH ST N ELLIS ST FAIRVIEW AVE N WASHBURN	DAYS 58 58 58 58	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58	PROJECT TO TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 0 0	643.0420 TRAFFIC CONTROL S BARRICADES TYPE III S NO. DAYS 12 696 4 232 4 232 1 58	643.0705 TRAFFIC CONTROL 6 WARNING LIGHTS TYPE 5 NO. DAYS 18 1,04 8 464 8 464 2 116	2 TRAF CONTROL E A S NO. I 4 14 . 8 . 8 . 8	32 900 FIC L SIGNS DAYS 812 464 464 116	550
001 001 001 001 001 001 SUBTO	0 11+. 0 12+. 0 16+. 0 N W. 0 N W. 0 N W. 0 UNDI	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN	B LT & D A4+70 - D 101+55 -	TION RT RT RT RT RATED 45+70 105+00	SY 202 574 959 557 245 844 19 3,400	EROSION IAT CLASS TYPE A SY 202 574 959 557 245 844 19 3,400	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.1 4.4 15.2 3.9 65	NG SEE NO. TEMP	EDING WAT SE ORARY AF	ER FOR EDED REAS IGAL 4.5 112.8 21.3 12.4 5.4 18.8 0.8				E FIFTH ST N ELLIS ST FAIRVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED	DAYS 58 58 58 58 58	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 12 696 24	DTAL 643.0420	643.0705 TRAFFIC CONTROLL S WARNING LIGHTS TYPE S NO. DAYS 18 1,04 8 464 8 464 2 116 12 696 6	2 643.0 TRAF CONTROL A S NO. [4 14	32 900 FIC L SIGNS DAYS 812 464 464 4116 464 110	550
001 001 001 001 001 001 SUBTO	0 11+. 0 12+. 0 16+. 0 N W. 0 N W. 0 N W. 0 UNDI	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN	B LT & D A4+70 - D 101+55 -	TION RT RT RT RT RATED 45+70 105+00	SY 202 574 959 557 245 844 19 3,400 3,400	EROSION IAT CLASS TYPE A SY 202 574 959 557 245 844 19 3,400 3,400	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.7 4.4 15.2 3.9 65	NG SEE NO. TEMP	EDING WAT SE ORARY AF	ER FOR EDED REAS 1GAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76				E FIFTH ST N ELLIS ST FAIRVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010	DAYS 58 58 58 58 58	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 0 10 0 12 696 24 720	DITAL 643.0420	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE S NO. DAY: 18 1,04. 8 464 8 464 2 116 12 696 6 2790	2 643.09 TRAF CONTROL A S NO. 10 4 14 8 8 8 2 18 8 10 0	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330	550
001 001 001 001 001 001 SUBTO	0 11+. 0 12+. 0 16+. 0 N W. 0 N W. 0 N W. 0 UNDI	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN	B LT & D LT & D LT & D LT & D SILTEI S 101+55 - ED 628.1504 SILT	TION RT RT RT RT RATED 45+70 105+00	SY 202 574 959 557 245 844 19 3,400 3,400 EROSION C	EROSION IAT CLASS TYPE A SY 202 574 959 557 245 844 19 3,400 3,400 CONTROL 1,1905 ZATIONS N DSION	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 IOBILIZATIO EMERGENCE EROSION	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.7 4.4 15.2 3.9 65 65 65 65 SEEDI SEDI S	NG SEE NO. TEMP	EDING WAT ORARY SE ORARY AF _B N 5 15 26 27 23 9 00 00 ERT ROCK E ROCK	ER FOR EDED REAS 1GAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76				E FIFTH ST N ELLIS ST FAIRVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED	DAYS 58 58 58 58 58	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 0 10 0 12 696 24 720	DITAL 643.0420	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE 6 NO. DAY: 18 1,04 8 464 8 464 2 116 12 696 6	2 643.09 TRAF CONTROL A S NO. 10 4 14 8 8 8 2 18 8 10 0	32 900 FIC L SIGNS DAYS 812 464 464 4116 464 110	550
001 001 001 001 001 001 001 SUBTOT	0 11+- 0 12+- 0 16+- 0 N W 0 N W 0 N W 0 UNDI AL (0010)	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURI ASHBURI ASHBURI STRIBUTI	B LT & D	TION RT RT RT RATED 45+70 105+00	SY 202 574 959 557 245 844 19 3,400 3,400 EROSION (20 628 NCE MOBILIA NCE CON	EROSION IAT CLASS TYPE A SY 202 574 959 557 245 844 19 3,400 3,400 CONTROL L1905 ZATIONS DSION JTROL	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 60BILIZATIO EMERGENC EROSION CONTROL	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.1 4.4 15.2 3.9 65 65 65 FF F F F F F F F F F F F F F F	NG SEE NO. TEMP	EDING WAT ORARY AF _B	ER FOR EDED REAS 1GAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76				E FIFTH ST N ELLIS ST FAIRVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010	DAYS 58 58 58 58 58	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 0 0 0 12 696 24 720	0TAL 0NTROL 643.0420 TRAFFIC CONTROL S BARRICADES TYPE III S NO. DAYS 12 696 4 232 4 232 1 58 0 0 22 1240	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE S NO. DAY: 18 1,04. 8 464 8 464 2 116 12 696 6 2790	2 643.09 TRAF CONTROL A S NO. 10 4 14 8 8 8 2 18 8 10 0	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330	550
001 001 001 001 001 001 SUBTO	0 11+4 0 12+5 0 16+4 0 N W 0 N W 0 UNDI CAL (0010)	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN	B LT & D LT & D LT & D LT & D SILTEI S 101+55 - ED 628.1504 SILT	TION RT RT RT RATED 45+70 105+00	SY 202 574 959 557 245 844 19 3,400 20 628 NCE EROSION (CONCEPT OF CONCEPT OF	EROSION IAT CLASS TYPE A SY 202 574 959 557 245 844 19 3,400 3,400 CONTROL 1,1905 ZATIONS N DSION	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 IOBILIZATIO EMERGENCE EROSION	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.7 4.4 15.2 3.9 65 65 65 65 SEEDI SEDI S	NG SEE NO. TEMP	EDING WAT ORARY AF _B	ER FOR EDED REAS 1GAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76				E FIFTH ST N ELLIS ST FAIRVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010	DAYS 58 58 58 58 58	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 0 10 0 12 696 24 720	0TAL 0NTROL 643.0420 TRAFFIC CONTROL S BARRICADES TYPE III S NO. DAYS 12 696 4 232 4 232 1 58 0 0 22 1240	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE S NO. DAY: 18 1,04. 8 464 8 464 2 116 12 696 6 2790	2 643.09 TRAF CONTROL A S NO. 10 4 14 8 8 8 2 18 8 10 0	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330	550
001 001 001 001 001 001 SUBTO PROJEC	0 11+4 0 12+5 0 16+4 0 N W 0 N W 0 UNDI TAL (0010) TAT TOTAL DRY ST 10 10	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN STRIBUTI 95+10 05+10 04+90	628.1504 SILT FENCE LF 250	TION RT RT RT RATED 45+70 105+00	SY 202 574 959 557 245 844 19 3,400 20 628 NCE EROSION (CONCEPT OF CONCEPT OF	EROSION IAT CLASS TYPE A SY 2002 574 959 557 245 844 19 3,400 3,400 CONTROL L1905 ZATIONS SION JTROL ACH	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 60BILIZATIO EMERGENCE EROSION CONTROL EACH	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.1 4.4 15.2 3.9 65 65 65 FY ROTEC TYPE EACL	NG SEE NO. TEMP	EDING WAT ORARY SE ORARY AF _B	ER FOR EDED REAS 1GAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76				E FIFTH ST N ELLIS ST FAIRVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010	DAYS 58 58 58 58 58	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 0 0 0 12 696 24 720	0TAL 0NTROL 643.0420 TRAFFIC CONTROL S BARRICADES TYPE III S NO. DAYS 12 696 4 232 4 232 1 58 0 0 22 1240	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE S NO. DAY: 18 1,04. 8 464 8 464 2 116 12 696 6 2790	2 643.09 TRAF CONTROL A S NO. 10 4 14 8 8 8 2 18 8 10 0	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330	550
001 001 001 001 001 001 SUBTOT PROJEC	0 11+ 0 12+- 0 16+- 0 N W 0 N W 0 N W 0 UND TAL (0010) TT TOTAL DRY ST 10 10 11 11	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN STRIBUTI 55+10 04+90 05+20	628.1504 SILT FENCE LF 250	TION RT RT RT RATED 45+70 105+00 628.15: SILT FEN MAINTENA	SY 202 574 959 557 245 844 19 3,400 20 628 NCE EROSION (CONCEPT OF CONCEPT OF	EROSION IAT CLASS TYPE A SY 2002 574 959 557 245 844 19 3,400 3,400 CONTROL L1905 ZATIONS SION JTROL ACH	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 60BILIZATIO EMERGENCE EROSION CONTROL EACH	SEEDI MIXTURE 40 LB 3.77 10.4 4.4 15.2 3.9 65 65 FF FOR EXAMPLE 1 PROTECT TYPE EACI	NG SEE NO. TEMP	EDING WAT SE AF	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76				E FIFTH ST N ELLIS ST FAIRVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010	DAYS 58 58 58 58 58 58 650.4500	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200 1200 CCC 650	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 12 696 24 720 720 DNSTRUCTIO	DITAL 643.0420	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE S NO. DAY: 18 1,04- 8 464 2 116 12 696 6 0 2790 2790	2 643.09 TRAF CONTROL SA NO. 16 4 14 8 8 8 2 8 8 0 0 0 650.9910 CONSTRUCTI	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330 2330	550.9920
0010 0011 0011 0011 0011 0011 SUBTOT PROJEC	0 11+4 0 12+5 0 16+4 0 N W 0 N W 0 N W 0 UNDI CAL (0010) CAT TOTAL DRY ST 10 11 11 11 N E FAIRV	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN STRIBUTI 410 41+90 41+90 41-90	628.1504 SILT FENCE LF 250	TION RT RT RT RATED 45+70 105+00 628.15: SILT FEN MAINTENA	SY 202 574 959 557 245 844 19 3,400 20 628 NCE EROSION (CONCEPT OF CONCEPT OF	EROSION IAT CLASS TYPE A SY 2002 574 959 557 245 844 19 3,400 3,400 CONTROL L1905 ZATIONS SION JTROL ACH	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 60BILIZATIO EMERGENCE EROSION CONTROL EACH	SEEDI MIXTURE 40 LB 3.77 10.4 4.4 15.2 3.9 65 65 FF FOR EXAMPLE 1 PROTECT TYPE EACI	NG SEE NO. TEMP	EDING WAT ORARY SE ORARY AF _B	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76				E FIFTH ST N ELLIS ST FAIRVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010	DAYS 58 58 58 58 58 58 0 CONSTRUCT	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200 1200 CC 650 CN CONSTI	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADE: TYPE II NO. DAYS 0 0 0 0 0 0 12 696 24 720 720 DISTRUCTION CO RUCTION CO CO TRAFFIC CO 643.0410 TRAFFIC CONTROL 643.0410 TRAFFIC 643.0410 TRAFFIC 643.0410 TRAFFIC 643.0410 TRAFFIC CO 643.0410 TRA	DITAL 643.0420	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE S NO. DAYS 18 1,04- 8 464 2 116 12 696 6 0 2790 2790 0 2790	2 643.09 TRAF CONTROL A NO. 10 4 14 8 8 8 2 8 8 0 0 CONSTRUCTI STAKING	32 900 FIC L SIGNS DAYS 812 464 464 116 2330 2330 6 ON CONS	950.9920 STRUCTION
O010 0011 0011 0011 0011 0010 SUBTOT PROJEC	0 11+ 0 12+ 0 16+ 0 N W. 0 N W. 0 N W. 0 UNDI TAL (0010) ET TOTAL DRY ST 10 10 11 11 11 11 11 11 11 11 11 11 11	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN STRIBUTI 5+10 15+10 15+20 LLIS ST IEW AVE SHBURN	628.1504 SILT FENCE LF 250	TION RT RT RT RATED 45+70 105+00 628.15: SILT FEN MAINTENA	SY 202 574 959 557 245 844 19 3,400 20 628 NCE EROSION (CONCEPT OF CONCEPT OF	EROSION IAT CLASS TYPE A SY 2002 574 959 557 245 844 19 3,400 3,400 CONTROL L1905 ZATIONS SION JTROL ACH	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 60BILIZATIO EMERGENCE EROSION CONTROL EACH	SEEDI MIXTURE 40 LB 3.77 10.4 4.4 15.2 3.9 65 65 FF FOR EXAMPLE 1 PROTECT TYPE EACI	NG SEE NO. TEMP	EDING WAT ORARY SE ORARY AF _B	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76				E FIFTH ST N ELLIS ST FAIRVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010	DAYS 58 58 58 58 58 58 650.4500	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200 1200 CCONSTI	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 12 696 24 720 720 DISTRUCTION 5000 RUCTION CO	DITAL 643.0420	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE S NO. DAY: 18 1,04- 8 464 2 116 12 696 6 0 2790 2790	643.04 TRAF CONTROL A S NO. [4 14 8 8 6 2 7 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330 2330 6 ON CONS FAL STAK	550.9920
0010 0011 0011 0011 0011 0011 SUBTOT PROJEC	0 11++ 0 12++ 0 16++ 0 N W 0 N W 0 N W 0 UND TAL (0010) TAT TOTAL DRY ST 10 11 11 11 NE FAIRV N WA N HA	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN ASHBURN STRIBUTI 410 41+90 41+90 41-90	628.1504 SILT FENCE LF 250	628.15; SILT FEN MAINTENA LF 250 0	SY 202 574 959 557 245 844 19 3,400 3,400 EROSION (20 628 NCE EROSION (CON EA	EROSION IAT CLASS TYPE A SY 2002 574 959 557 245 844 19 3,400 3,400 CONTROL L1905 ZATIONS SION JTROL ACH	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 60BILIZATIO EMERGENCE EROSION CONTROL EACH	SEEDI MIXTURE 40 LB 3.77 10.4 4.4 15.2 3.9 65 65 FF FOR EXAMPLE 1 PROTECT TYPE EACI	NG SEE NO. TEMP	EDING WAT ORARY SE ORARY AF _B	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76			CATEC	E FIFTH ST N ELLIS ST FARVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010	DAYS 58 58 58 58 58 58 650.4500 CONSTRUCT STAKING SUBGRADI	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200 1200 CC 650 ON CONSTI	PROJECT TO TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 12 696 24 720 720 DISTRUCTION STRUCTION IG BASE	DITAL 643.0420 TRAFFIC CONTROL 8 BARRICADES TYPE III S NO. DAYS 12 696 4 232 4 232 1 58 0 0 0 22 1240 1240 DI STAKING 650.5500 INSTRUCTION C TAKING CURB S & GUTTER	643.0705 TRAFFIC CONTROL S WARNING LIGHTS TYPE 6 NO. DAY: 18 1,04 8 464 2 1116 12 696 6 2790 0 2790 0 2790 0 00STRUCTION STAKING CURB RAMPS	643.04 TRAF CONTROL A S NO. [4 14 8 8 9 0 CONSTRUCTI STAKING SUPPLEMENT CONTROL (6997-03-70)	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330 2330 6 ON CONS FAL STAK	550.9920 STRUCTION KING SLOPE STAKES
O010 O010 O010 O010 O010 O010 O010 O010	0 11++ 0 12++ 0 16++ 0 N W 0 N W 0 N W 0 UND TAL (0010) TAT TOTAL DRY ST 10 11 11 11 NE FAIRV N WA N HA	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN STRIBUTI 55+10 16+90 1	628.1504 SILT FENCE LF 250	628.15: SILT FEN MAINTENA LF 250	SY 202 574 959 557 245 844 19 3,400 3,400 EROSION (20 628 NCE EROSION (CON EA	EROSION IAT CLASS TYPE A SY 2002 574 959 557 245 844 19 3,400 3,400 CONTROL L1905 ZATIONS SION JTROL ACH	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 60BILIZATIO EMERGENCE EROSION CONTROL EACH	SEEDI MIXTURE 40 LB 3.77 10.4 4.4 15.2 3.9 65 65 FF FOR EXAMPLE 1 PROTECT TYPE EACI	NG SEE NO. TEMP 1	EDING WAT ORARY SE ORARY AF _B	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76			CATEG 001	E FIFTH ST N ELLIS ST FARVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010 PROJECT TOTAL	DAYS 58 58 58 58 58 58) 650.4500 CONSTRUCT STAKING	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200 1200 CC 650 ON CONSTI	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 12 696 24 720 720 DISTRUCTION 5000 RUCTION CO	DITAL 643.0420 TRAFFIC CONTROL 8 BARRICADES TYPE III S NO. DAYS 12 696 4 232 4 232 4 232 1 58 0 0 22 1240 1240 DI STAKING 650.5500 INSTRUCTION C TAKING CURB S	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE 6 NO. DAY: 18 1,04. 8 464 2 116 12 696 6 2790 2790 650.9000 ONSTRUCTION STAKING CURB	643.04 TRAF CONTROL A S NO. [4 14 8 8 6 2 7 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330 2330 6 ON CONS FAL STAK	550.9920 STRUCTION KING SLOPE
O010 O010 O010 O010 O010 O010 O010 O010	0 11+4 0 12+5 0 16+4 0 N W 0 N W 0 N W 0 UNDI CAL (0010) CT TOTAL DRY ST 10 10 11 10 11 11 11 11 11 11 11 11 11	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN STRIBUTI 55+10 16+90 1	628.1504 SILT FENCE LF 250	628.15; SILT FEN MAINTENA LF 250 0	SY 202 574 959 557 245 844 19 3,400 3,400 EROSION (20 628 MOBILIA NCE ERC CON EA	EROSION IAT CLASS TYPE A SY 2002 574 959 557 245 844 19 3,400 3,400 CONTROL L1905 ZATIONS SION JTROL ACH	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 60BILIZATIO EMERGENCE EROSION CONTROL EACH	SEEDI MIXTURE 40	NG SEE NO. TEMP 1	EDING WAT ORARY SE ORARY AF	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76			001	E FIFTH ST N ELLIS ST FARVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010 PROJECT TOTAL	DAYS 58 58 58 58 58 58 650.4500 CONSTRUCT STAKING SUBGRADI	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200 1200 CC 650 ON CONSTI STAKIN	PROJECT TO TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 12 696 24 720 720 DISTRUCTION 5000 RUCTION CO IG BASE	DITAL 643.0420 TRAFFIC CONTROL S BARRICADES TYPE III S NO. DAYS 12 696 4 232 4 232 1 58 0 0 0 22 1240 DIN STAKING 650.5500 NSTRUCTION C TAKING CURB S & GUTTER LF	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE NO. DAY: 18 1,04 8 464 2 116 12 696 6 2790 2790 650.9000 ONSTRUCTION STAKING CURB RAMPS	643.04 TRAF CONTROL A S NO. I 4 14 A 8 A 8 A 9 A 9 A 9 A 9 A 9 A 9 A 9 A 9 A 9 A 9	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330 2330 6 ON CONS FAL STAK	550.9920 STRUCTION KING SLOPE STAKES LF
CATEGO O010 O010 O010 O010 SUBTOT PROJECT O010 O010	0 11+4 0 12+5 0 16+4 0 N W 0 N W 0 N W 0 UNDI CAL (0010) CT TOTAL DRY ST 10 10 11 10 11 11 11 11 11 11 11 11 11	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN STRIBUTI 55+10 16+90 1	628.1504 SILT FENCE LF 250 250	628.152 SILT FEN MAINTENA LF 250 250	SY 202 574 959 557 245 844 19 3,400 3,400 EROSION (20 628 MOBILIA NCE ERC CON EA	EROSION IAT CLASS TYPE A SY 202 574 959 557 245 844 19 3,400 3,400 CONTROL ACH 4 4	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 60BILIZATIO EMERGENC EMCSION CONTROL EACH 2 2	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.7 4.4 15.2 3.9 65 65 FOR SINLE PROTECT TYPE EACH 8 8 7 4 4 2 21	NG SEE NO. TEMP 1	EDING WAT ORARY SE ORARY AF	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76			SUBTO	E FIFTH ST N ELLIS ST FARVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010 PROJECT TOTAL ORY STA TO STA O 12+00 22+80	DAYS 58 58 58 58 58 58 0) 650.4500 CONSTRUCT STAKING SUBGRADI LF 1080	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200 1200 650 ON CONSTI	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADE: TYPE II NO. DAYS 0 0 0 0 0 0 12 696 24 720 720 DISTRUCTION 5000 RUCTION ST IG BASE F	DITAL 643.0420	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE S NO. DAY: 18 1,04. 8 464 2 116 12 696 6 0 2790 0 2790 0 0NSTRUCTION STAKING CURB RAMPS EACH 17	643.09 TRAF CONTROL A S NO. 16 4 14 8 8 8 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330 2330 6 ON CONS FAL STAK	S50.9920 STRUCTION KING SLOPE STAKES LF 1080
CATEGO O010 O010 O010 O010 SUBTOT PROJECT O010 O010	0 11+4 0 12+5 0 16+4 0 N W 0 N W 0 N W 0 UNDI CAL (0010) CT TOTAL DRY ST 10 10 11 10 11 11 11 11 11 11 11 11 11	47 - 12+93 93 - 16+40 40 - 22+80 ASHBURN ASHBURN STRIBUTI 55+10 16+90 1	628.1504 SILT FENCE LF 250 250	628.152 SILT FEN MAINTENA LF 250 250	SY 202 574 959 557 245 844 19 3,400 3,400 EROSION (20 628 MOBILIA NCE ERC CON EA	EROSION IAT CLASS TYPE A SY 202 574 959 557 245 844 19 3,400 3,400 CONTROL ACH 4 4	629.0210 FERTILIZE TYPE B CWT 0.2 0.4 0.7 0.4 0.2 0.6 0.5 3.0 3.0 628.1910 60BILIZATIO EMERGENC EMCSION CONTROL EACH 2 2	SEEDI MIXTURE 40 LB 3.7 10.4 17.3 10.7 4.4 15.2 3.9 65 65 FOR SINLE PROTECT TYPE EACH 8 8 7 4 4 2 21	NG SEE NO. TEMP 1	EDING WAT ORARY SE ORARY AF	ER FOR EDED REAS IGAL 4.5 12.8 21.3 12.4 5.4 18.8 0.8 76			SUBTO	E FIFTH ST N ELLIS ST FARVIEW AVE N WASHBURN SIDEWALK UNDISTRIBUTED SUBTOTAL (0010) PROJECT TOTAL O 12+00 22+80 TAL (0010)	DAYS 58 58 58 58 58 58) 650.4500 CONSTRUCT STAKING SUBGRADI LF 1080 1080	643.0300 TRAFFIC CONTROL DRUMS NO. DAYS 4 232 2 116 3 174 1 58 10 580 40 1200 1200 650 ON CONSTI	TRAFFIC CO 643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. DAYS 0 0 0 0 0 0 12 696 24 720 720 DISTRUCTION STRUCTION GRASS F. 280 280	DITAL Control Control	643.0705 TRAFFIC CONTROLL S WARNING LIGHTS TYPE NO. DAY: 18 1,04 8 464 2 116 12 696 6 2790 0 2790 0 2790 0 00NSTRUCTION STAKING CURB RAMPS EACH 17	643.00 TRAF CONTROL A S NO. [4 14 8 8 9 2 8 0 0 CONSTRUCTI STAKING SUPPLEMENT CONTROL (6997-03-70 LS 1	32 900 FIC L SIGNS DAYS 812 464 464 116 464 10 2330 2330 6 ON CONS FAL STAK	S50.9920 STRUCTION KING SLOPE STAKES LF 1080

Ε

					CUEST TOTAL
	Total Hang	BASIS OF EXISTING R/W	YEAR	R/W PROJECT	T NUMBER SHEET TOTAL NUMBER SHEETS
CONVENTIONAL SYMBOLS	ROAD NAME E. 5TH STREET Sh	anahan's Addition to the City of Shawa	ano 1873	R/W PROJECT	T NUMBER 4.01 4
SECTION LINE SECTION TO BE SET	E. 5TH STREET AS:	SESSORS PLAT OF THE CITY OF SHAWANO			7-03-00
SECTION LINE CORNER ((3615) NON-MONIMENTED O				1	OF RIGHT OF WAY REQUIRED FOR
CIVITENTH LINE SECTION ID				C SHAV	WANO, EAST FIFTH STREET
SECTION SECTION FOUND IRON PIN IP NEW REFERENCE LINE CORNER (4-INCH UNLESS NOTED) *		CAUTION THIS PLAT IS FOR ILLUSTRATIVE	PURPOSES	WASHBURN	N STREET TO FAIRVIEW AVENUE
NEW R/W LINE GEODETIC SURVEY MONUMENT		ONLY. DEEDS MUST BE CHECKED TO PROPERTY BOUNDARIES.	DETERMINE	LOCAL STREET	CLIAWAND COUNTY
PROPERTY LINE OFF-PREMISE (1)				CONSTRUC	TION PROJECT NUMBER 6997-03-70
LOT, TIE & OTHER ———— R/W POST © POST SIGN (1-29) SIGN		. 1		00110111100	
SLOPE INTERCEPT ELECTRIC POLE COMPENSABLE NON-COMPENSABLE		R16E			
CORPORATE LIMITS TELEPHONE POLE Ø Ø		, ,		*	
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)					
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER) ACCESS RESTRICTED BY ACQUISITION			GR GR		
TEMPORARY LIMITED EASEMENT AREA NO ACCESS (BY STATUTORY AUTHORITY)	T27N				
FASEMENT AREA ACCESS RESTRICTED (BY PREVIOUS	1211		16		
(PERMANENT LIMITED OR CALLED PROJECT OR CONTROL) RESTRICTED DEVELOPMENT) NO ACCESS (NEW HIGHWAY)			BRODER	*	
TRANSMISSION STRUCTURES — — — — — PARCEL MINNER (40)				,	THE DELOCATION
BUILDING TO BE REMOVED TO BE R		55 ST.			END RELOCATION
BRIDGE PARALLEL OFFSETS		Z Z			ORDER STA. 22+39.65
11AV 2.2 2018		STH			Y = 272307.888
CONVENTIONAL ABBREVIATIONS MAY 2 3 2016		SHBURN			X = 863209.821
ACCESS RIGHTS AR POINT OF INTERSECTION PI ACCESS RIGHTS AC PROPERTY LINE PL ACCESS RIGHTS AC PROPERTY LINE PL ACCESS RIGHTS ACCE		WAS	/ (b)		329.11 FEET NORTH OF AND 581.53 FEET EAST OF THE SOUTH QUARTER
ACRES AH RECORDED AS (100') PAMELA SCHIMIDI CHANANIO COLINTY CLERK	(S OAK	(st. \$		CORNER SECTION 30, T27N-R16E, CITY OF SHAWANO, SHAWANO COUNTY, WI
ALUMINUM ALUM NELE / IMPO					
BACK BK REMAINING REM		E. 5TH ST.	z		N
CENTERLINE C/L EASEMENT	y y	L. 3111 01.		VCT	A
CERTIFIED SURVET MAIL CONC. RIGHT OF WAY R/W		STH 55	E. GREEN BA	131.	
COUNTY TRUNK HIGHWAY CTH SEPTIC VENT SEPV					
DIST SQUARE FEET STATE TRUNK HIGHWAY STH					
DOCUMENT NUMBER DOC STATION TP = 2/2296.682					· •
EX TEMPORARY LIMITED TEE		22			Robert E. Lee & Associates, In
GRID NORTH GN TRANSPORTATION PROJECT TPP 5/14/3 FEET NORTH OF THE SW CORNER					ENGINERRING, BUNVEXING, ENVIRONMENTAL DESIRES 1250 CENTENNAL CENTRE BOULEMAD HOBERT, WI 84168
HIGHWAY EASEMENT HE PLAT TOPINTIFICATION ID UNITED STATES HIGHWAY USH SHAWANO, SHAWANO COUNTY, WI		HT S			Celebrating 60 Years of Excellence
LAND CONTRACT LC VOLUME V LEFT LT WARRANTY DEED WD				1	I SCOTT M. DEBAKER, REGISTERED LAND SURVEYOR, S-2483, HEREBY CERTIFY THAT
MONUMENT MON CLIDVE DATA					HAVE SURVEYED THE LAND DESCRIBED HEREON AND THAT THE MAP IS A CORRECT REPRESENTATION OF THAT SURVEY TO THE
NUMBER NO LONG CHORD LCH					BEST OF MY KNOWLEDGE AND BELIEF.
PAGE P RADIUS R					DATE: 5-10-10 DUM (Signoture)
POINT OF TANGENCY PT DEGREE OF CURVE D PERMANENT LIMITED PLE CENTRAL ANGLE			WINISCONS IN		((Signature)
EASEMENT LENGTH OF CURVE L TANGENT T			SCOTT M.		
POINT OF CIRVATURE PC DIRECTION AHEAD DA			DE BAKER S-2483	1	ADDROVED FOR THE CITY OF SHAWAND
POINT OF COMPOUND CURVE PCC DIRECTION BACK CONVENTIONAL UTILITY			S-2483 GREEN BAY		APPROVED FOR THE CITY OF SHAWAND
NOTES: SYMBOLS		SCALE 0 1/4 MILE	WI WI	V	DATE: Signature)
REFERENCE SYSTEM COORDINATES WISCASS, SHAWN ARE GRID GAS ——G—		WET LENGTH OF SENTERHINE - 0.246 MI		REVISION DATE	
COORDINATES, GRID BEARINGS, AND GRID DISTANCES. OVERHEAD TRANSMISSION LINES	TOTA	AL NET LENGTH OF CENTERLINE = 0.216 MI	SURVE		
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY ELECTRIC CABLE TELEVISION TV			ν		
1"X 24"IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT SANITARY SEWER SANITARY SEWER					
RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE STORM SEWER ——SSS—					

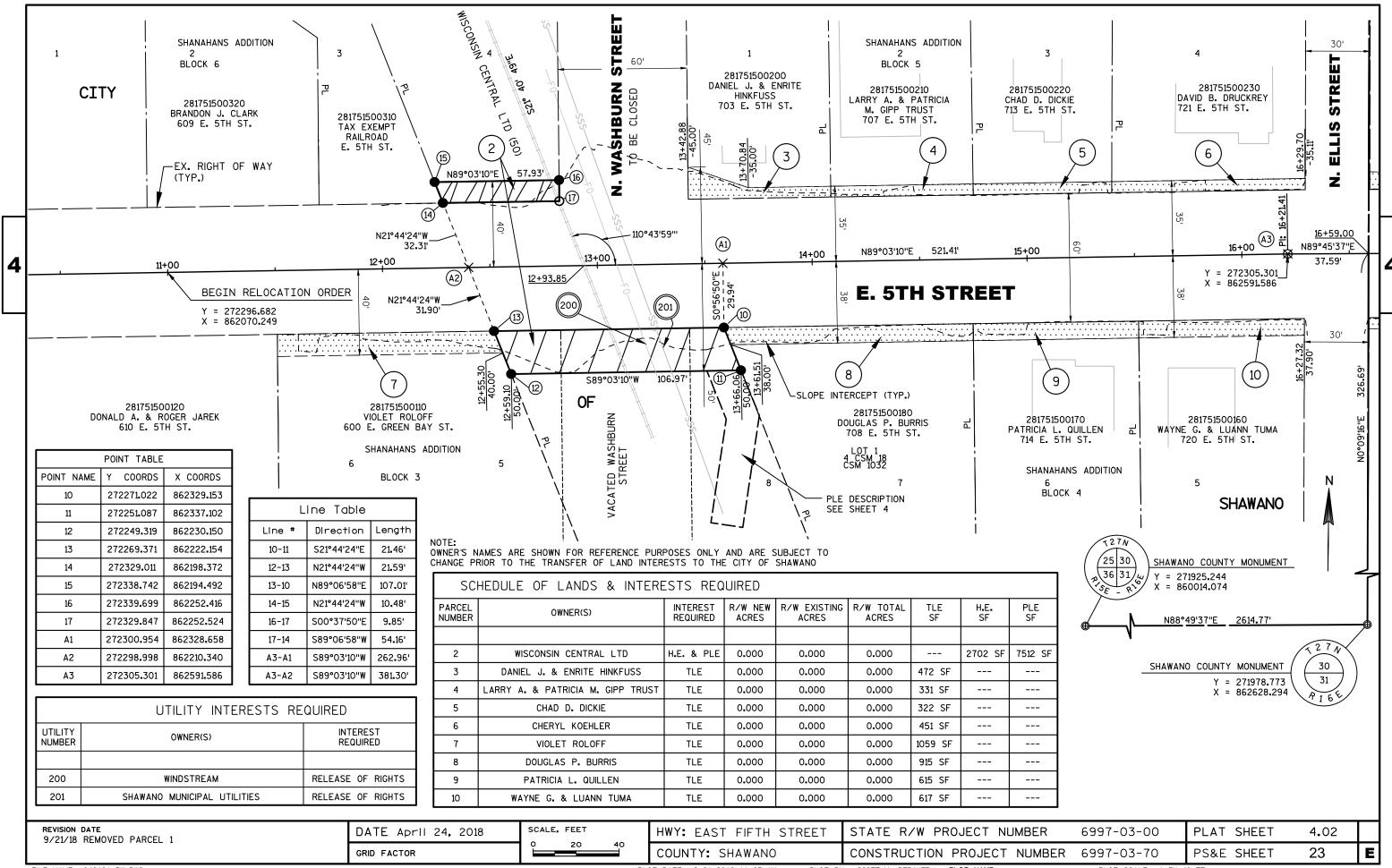
PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

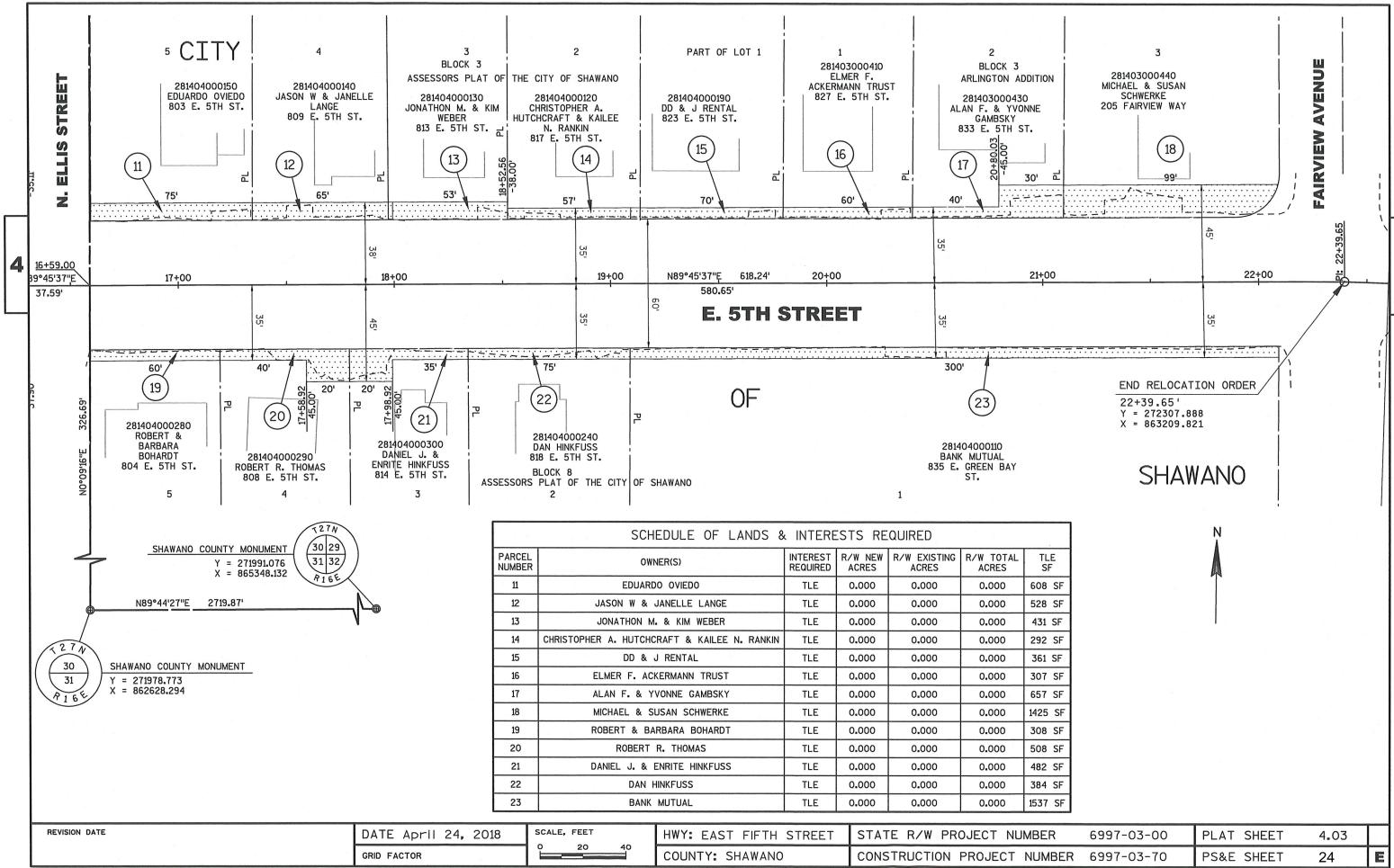
FILE NAME: R:\4200\4281\4281016\DWG (2014)\040101_TI.DWG

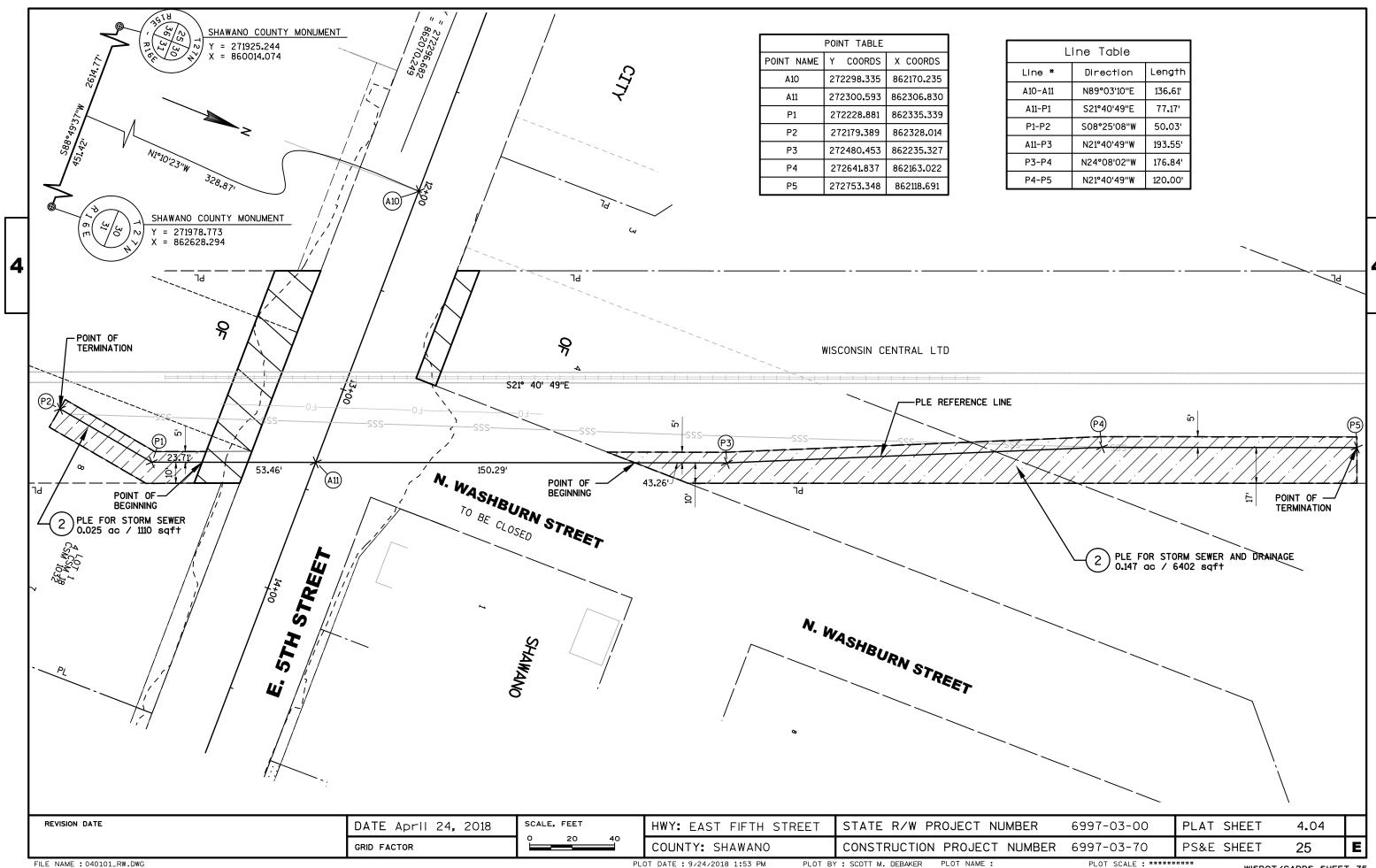
PLOT DATE : 4/24/2018 8:41 AM

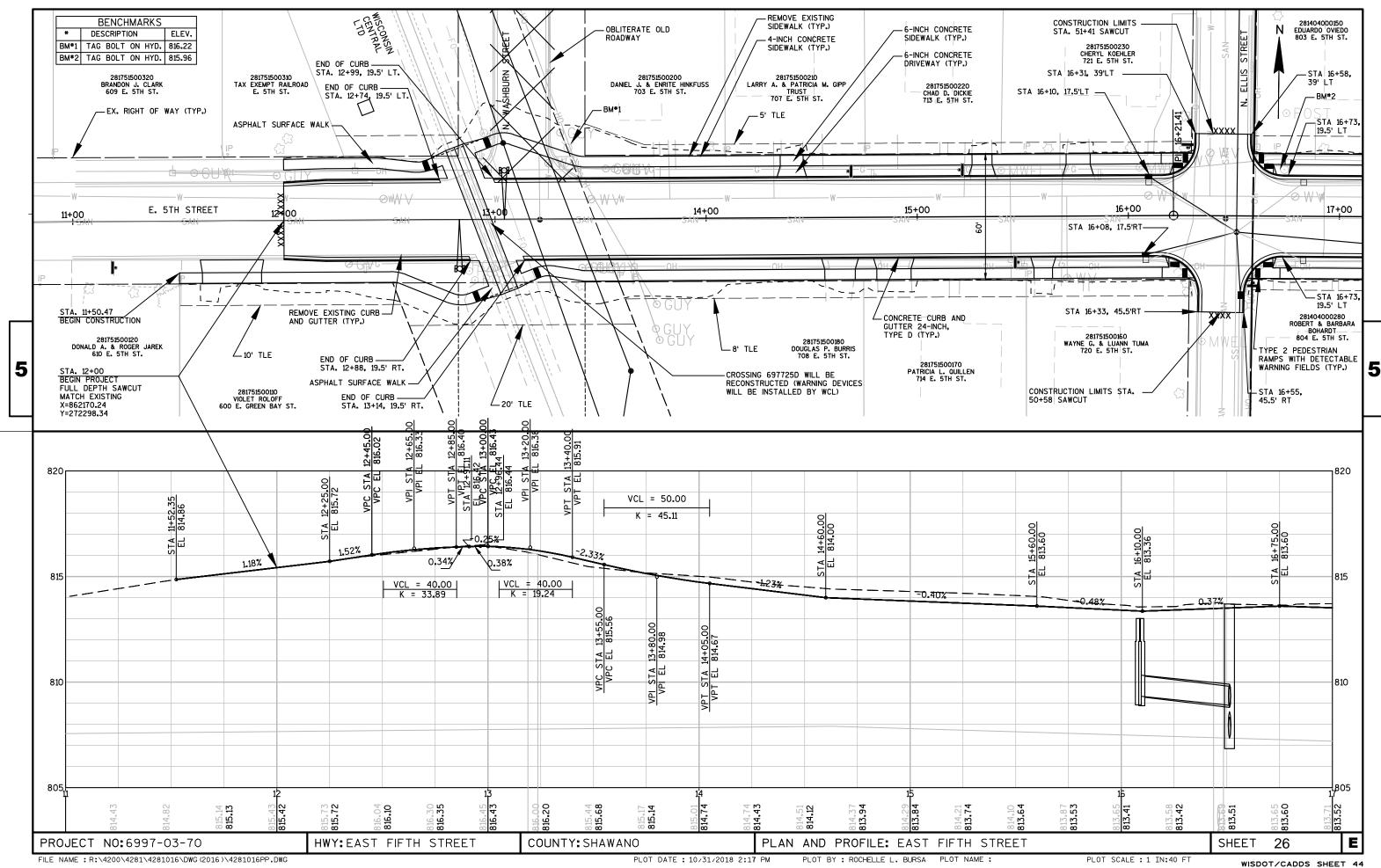
PLOT BY : SCOTT M. DEBAKER PLOT NAME :

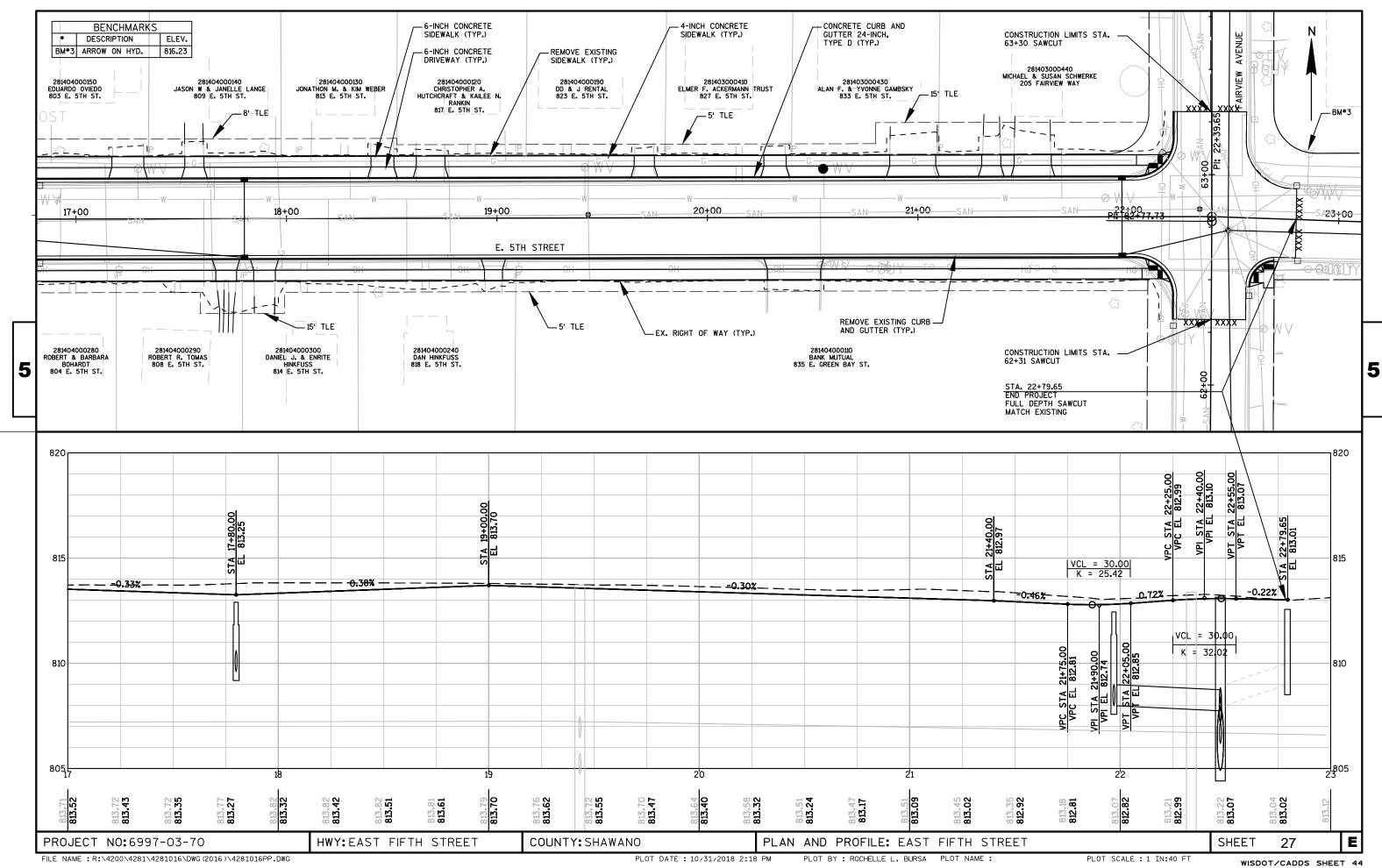
WISDOT/CADDS SHEET 50

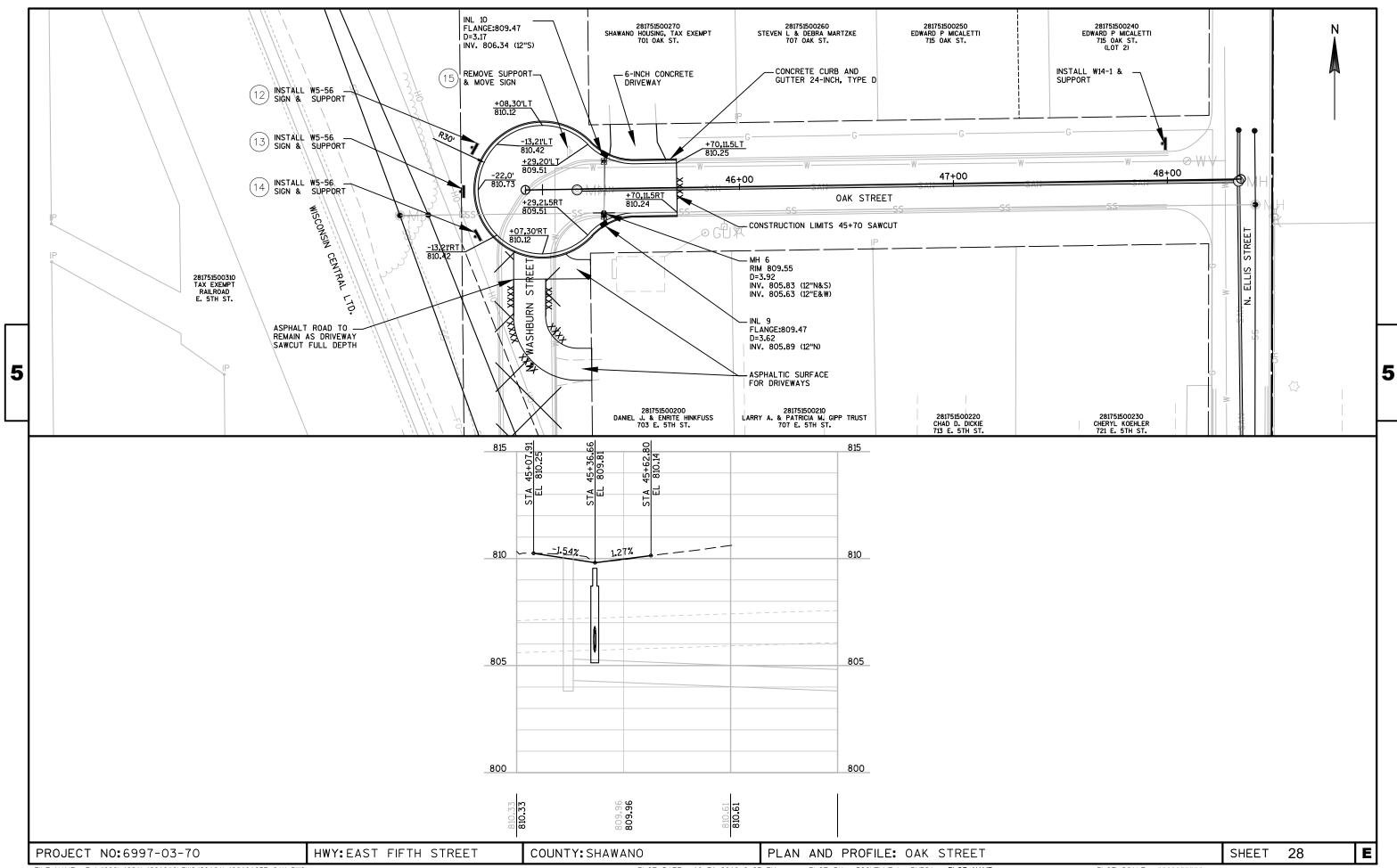






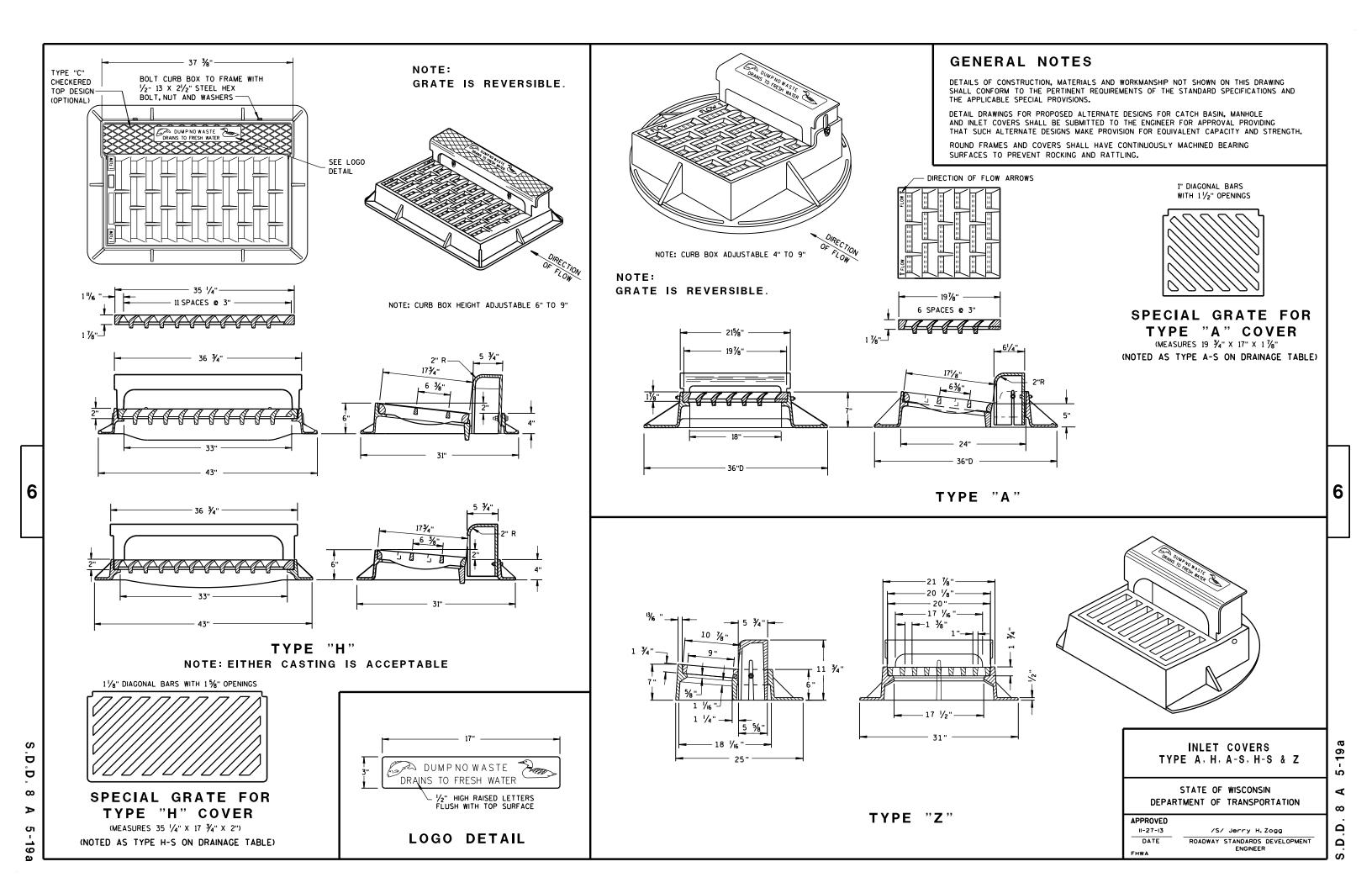


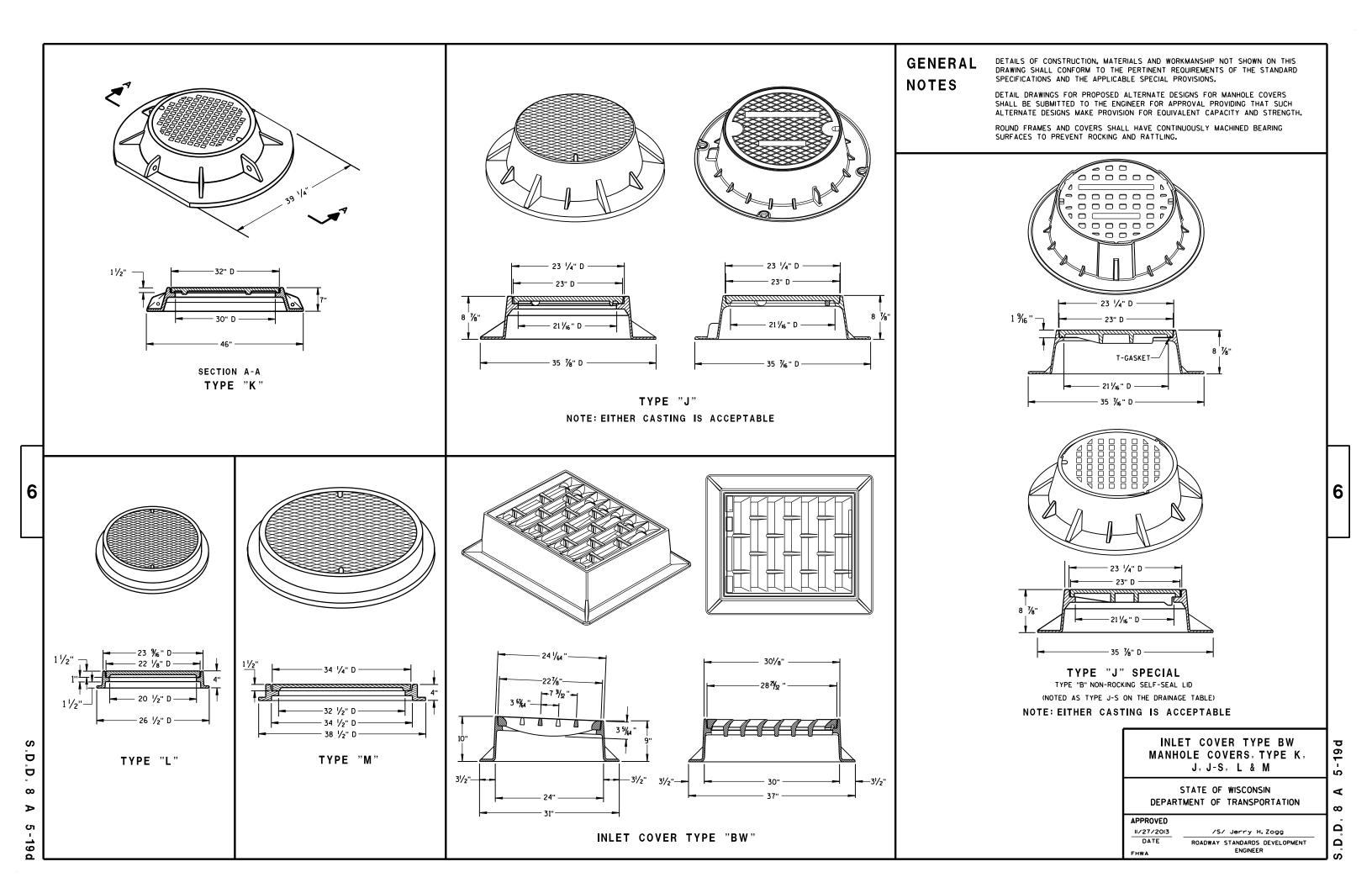


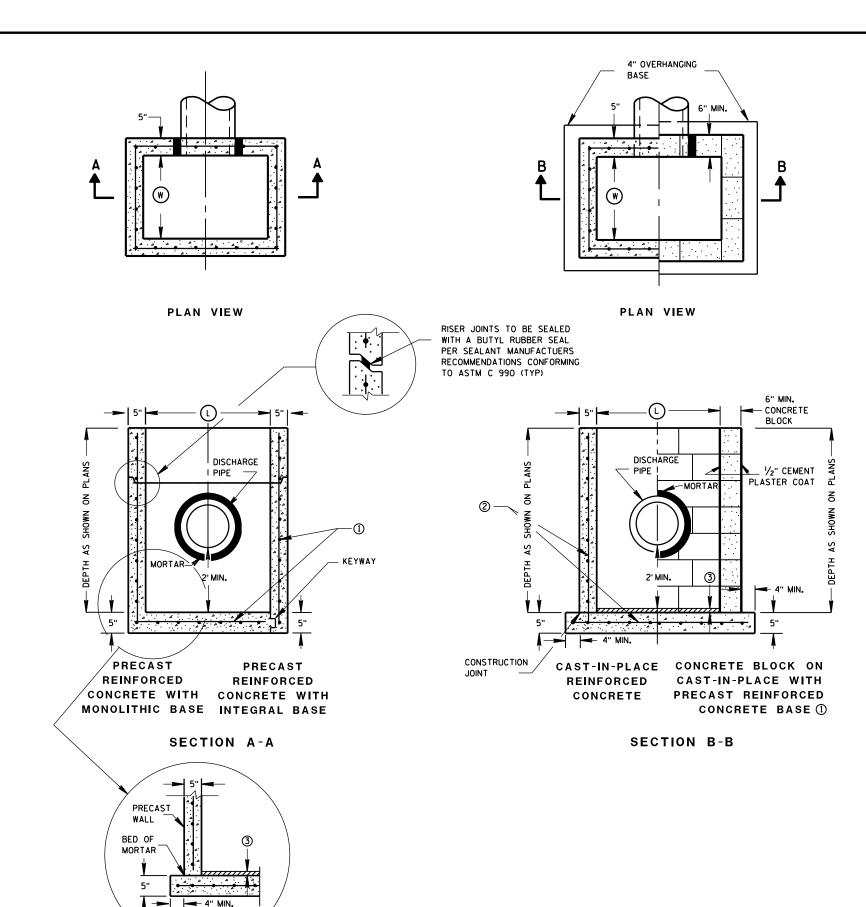


Standard Detail Drawing List

INLET COVERS TYPE A, H, A-S, H-S & Z
INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
CATCH BASINS 2X3-FT AND 2.5X3-FT
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
CONCRETE CURB & GUTTER
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
CURB RAMPS TYPES 1 AND 1-A
CURB RAMPS TYPES 2 AND 3
CURB RAMPS TYPES 4A AND 4A1
CURB RAMPS TYPE 4B AND 4B1
CURB RAMPS TYPES 5, 6, 7A, 7B & 8
CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
SILT FENCE
INLET PROTECTION TYPE A, B, C AND D
APRON ENDWALLS FOR CULVERT PIPE
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
PAVEMENT DETAILS FOR RAILROAD APPROACH
FLEXIBLE MARKER POST FOR CULVERT END
FLEXIBLE MARKER POST FOR CULVERT END
BARRICADES AND SIGNS FOR MAINLINE CLOSURES
BARRICADES AND SIGNS FOR MAINLINE CLOSURES
BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
LONGITUDINAL MARKING (MAINLINE)
SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
STOP LINE AND CROSSWALK PAVEMENT MARKING
PAVEMENT MARKING (INTERSECTIONS)
TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
ATTACHMENT OF SIGNS TO POSTS







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 CATCH BASIN 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 STRENGTH.

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES 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 FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

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

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.

OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

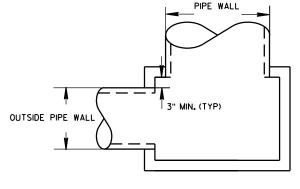
- (1) FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.
- ② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.
- (3) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		х
2.5X3-FT	2.5	3	Х	

PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES					
CATCH BASIN SIZE	WIDTH (IN)	LENGTH (IN)				
2X3-FT	12	24				
2.5X3-FT	18	24				



DETAIL "A"

OUTSIDE

CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

⋖

ω

Ω

APPROVED Sept., 2016

Sept. 2016 /S/ Rodney Taylor

DATE ROADWAY STANDARDS DEVELOPMENT

HWA UNIT SUPERVISOR

CATCH BASINS 2X3-FT AND 2.5X3-FT

SEPARATE PRECAST REINFORCED

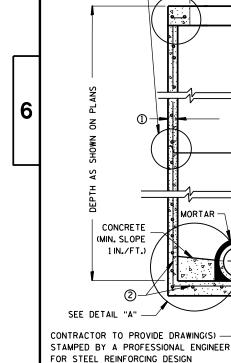
CONCRETE BASE OPTION

6



 ∞

Δ



S

b

D

 ∞

 $\boldsymbol{\varpi}$

SEE DETAIL "B"

PLANS

S

AS

CONCRETE

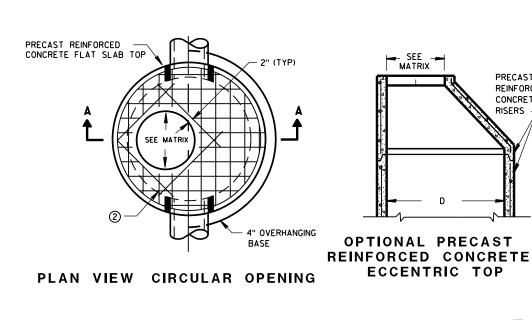
(MIN. SLOPE 1 IN./FT.

2-

FOR CAST-IN-PLACE STRUCTURES

CONCRETE WITH

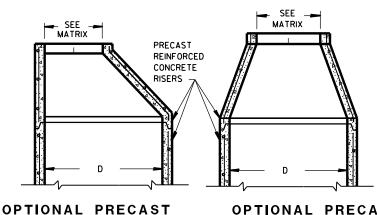
MONOLITHIC BASE



SEE

MORTAR

MATRIX



ECCENTRIC TOP

PRECAST

WALL

PRECAST REINFORCED

CONCRETE FLAT SLAB TOP

└/2" CEMENT

PLASTER COAT

- MORTAR

BEVEL 45°

2 COURSES

3

SPLIT PIPE OR FORM CONCRETE TO FIT

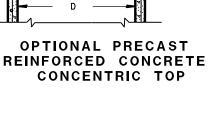
CAST-IN-PLACE OR

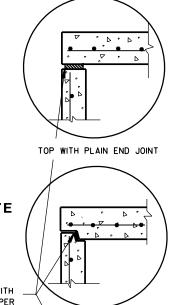
PRECAST REINFORCED

CONCRETE BASE 2

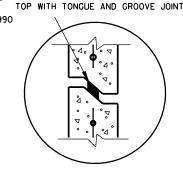
6" BLOCK

' MIN.



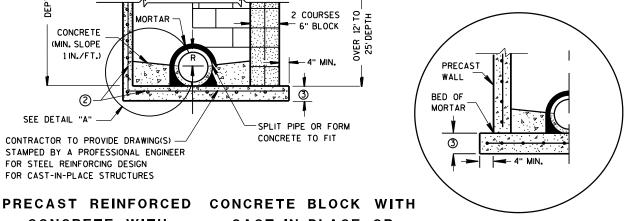


JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)



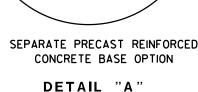
RISER WITH TONGUE AND GROOVE JOINT

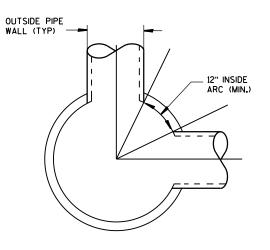
DETAIL "B'



PRECAST REINFORCED

CONCRETE WITH INTEGRAL BASE OPTION





DETAIL "C"

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

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 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 STRENGTH.

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 FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

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 SECTIONAL DIMENSION OF 1 INCH.

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 DESIGNATION M 199.

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 INTEGRAL OR MONOLITHIC BASE.

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 O MINIMUM WALL IHICKNESS SHALL DE 4 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

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	С	ALL J'S	К	L	М
OPENING SIZE (FT)					
2 DIA.	×	х		Х	
3 DIA.			Х		Х

PIPE MATRIX

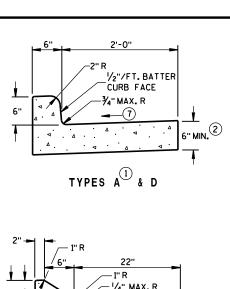
MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

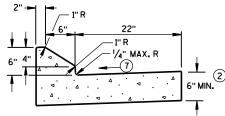
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT 7-FT AND 8-FT DIAMETER

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

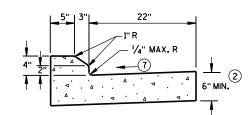
APPROVED DATE UNIT SUPERVISOR

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT

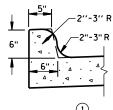




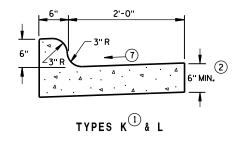
6" SLOPED CURB TYPES G 4 J



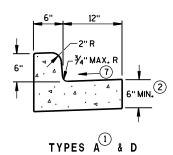
4" SLOPED CURB TYPES G 4 J



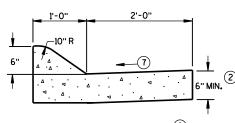
TYPES K (1) & L (OPTIONAL CURB SHAPE)



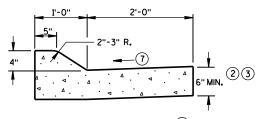
CONCRETE CURB & GUTTER 30"



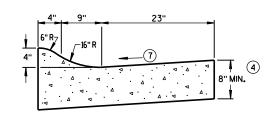
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A & D

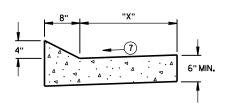


4" SLOPED CURB TYPES A D



4" SLOPED CURB TYPES R T & T

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

GENERAL NOTES

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURBS.

- (1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.
- 2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED
- (4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- (6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
- (7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
- (8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'

6

20a

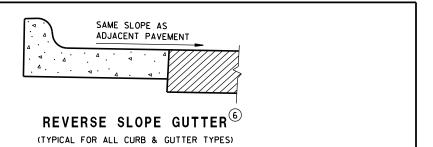
Ω

 ∞

Ω

CONCRETE PANEL WIDTH SAME PAY LIMITS TRAFFIC TRAFFIC LANE -AS CURB & GUTTER LANE PAVEMENT SLOPE PAVEMENT THICKNESS

PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



CONCRETE CURB & GUTTER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

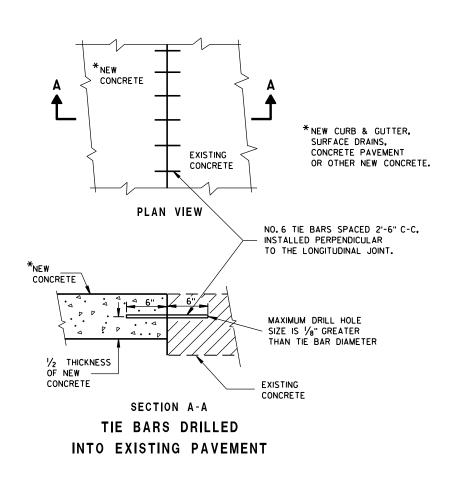
Ö D ∞ D 20a

^{*} BIKE LANE IS NOT SHOWN.

DETAIL OF CURB AND GUTTER AT INLETS (TYPE H INLET COVER SHOWN)

CONTRACTION PAVEMENT

END SECTION CURB & GUTTER



GENERAL NOTES

_ 1/2"/FT.BATTER,FACE OF CURB (ABOVE ADJACENT PAVEMENT)

ADJACENT

PAVEMENT

NO. 4 X 2'-0" DEF. TIE

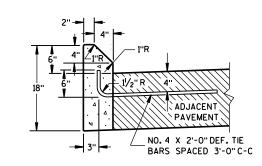
BARS SPACED 3'-0" C-C

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURBS.

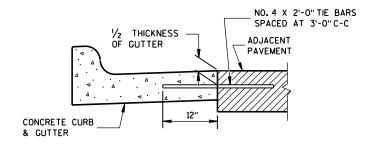
- 1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A.G.K.R AND TBTT.
- 2 THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



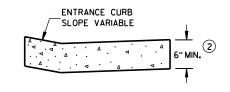
TYPES A D

TYPES G 4 J

CONCRETE CURB



TYPICAL TIE BAR LOCATION 1



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Rodney Taylor June, 2017 DATE

ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

6

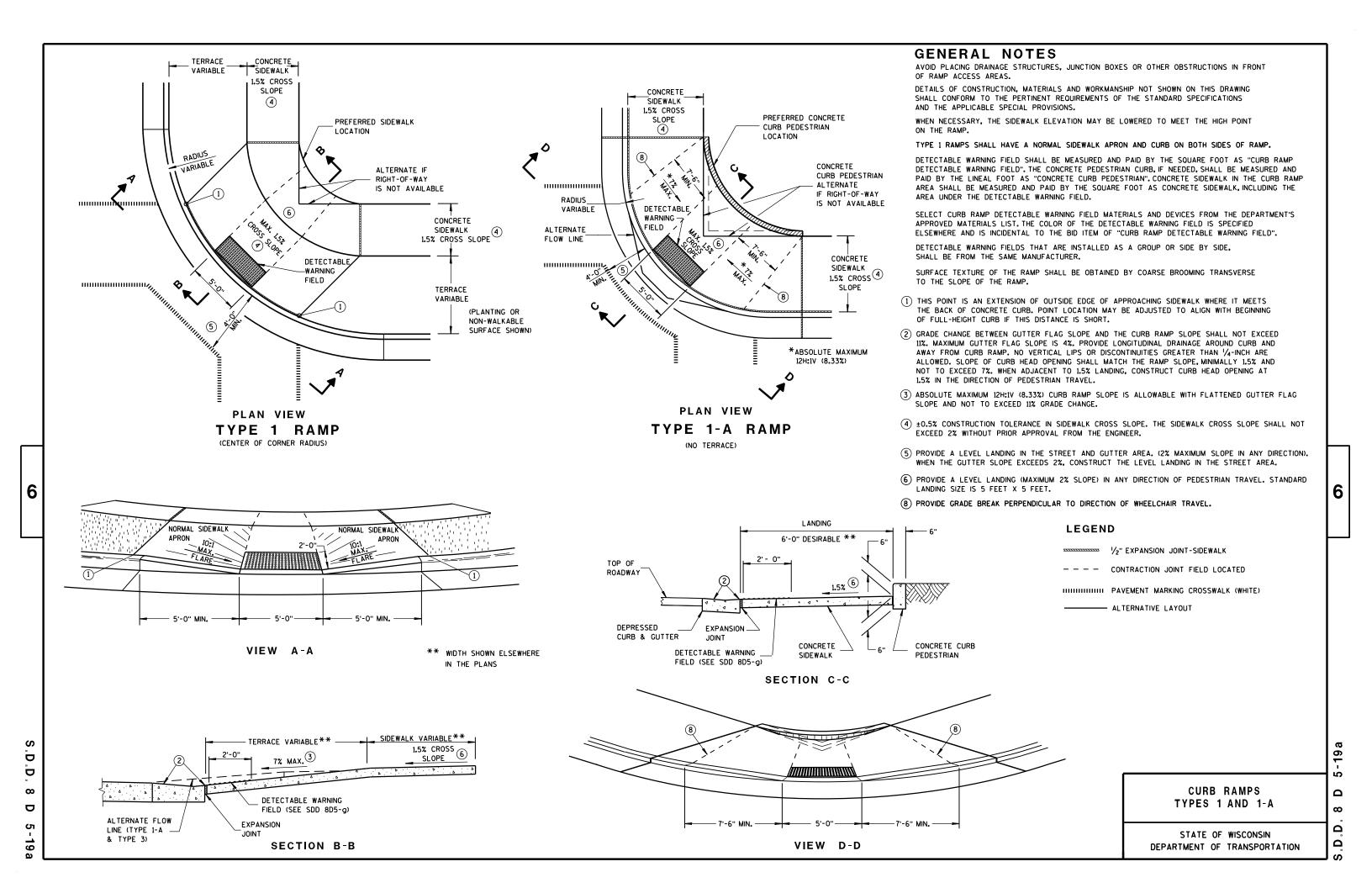
6

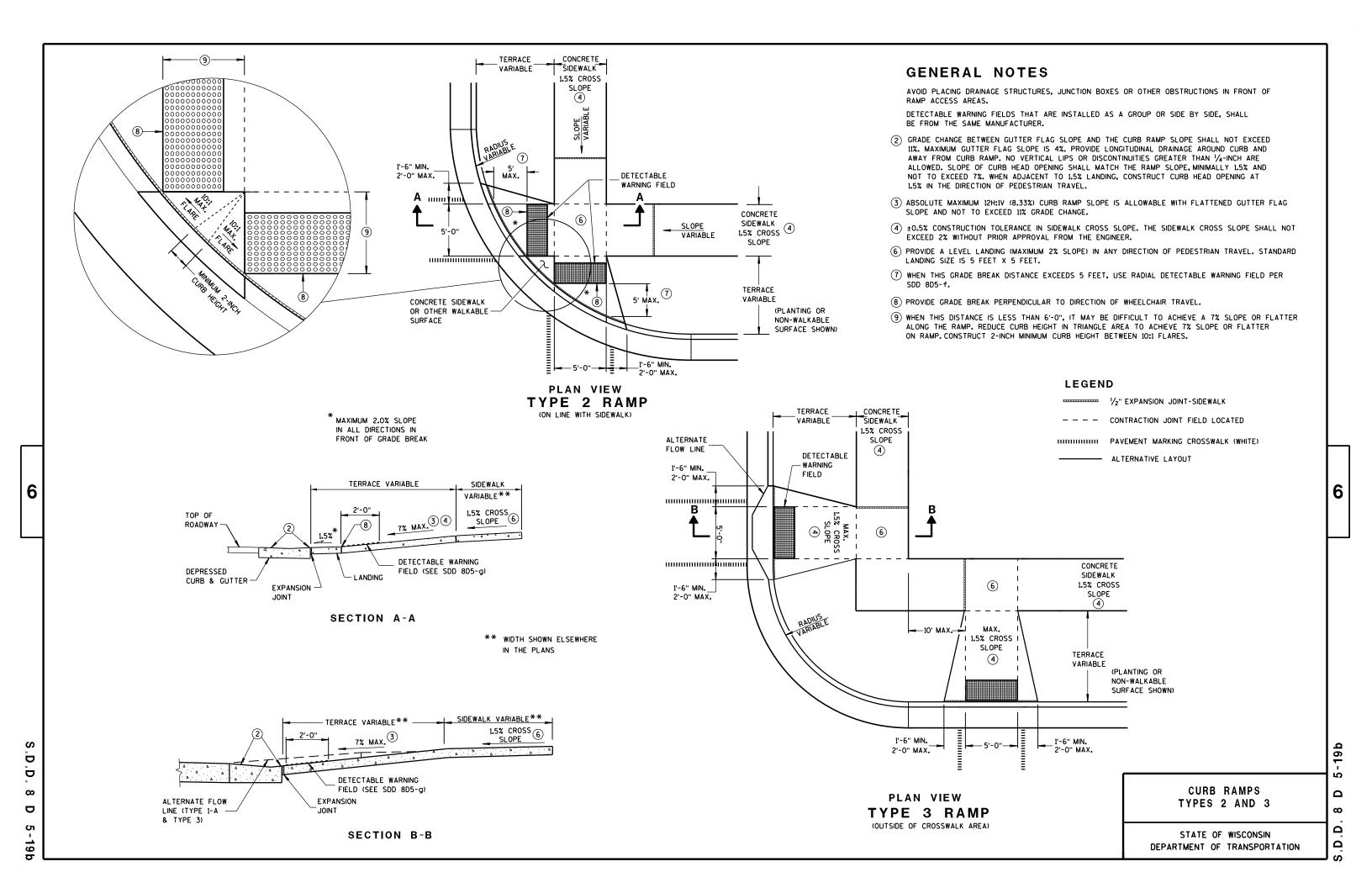
D Ď ∞

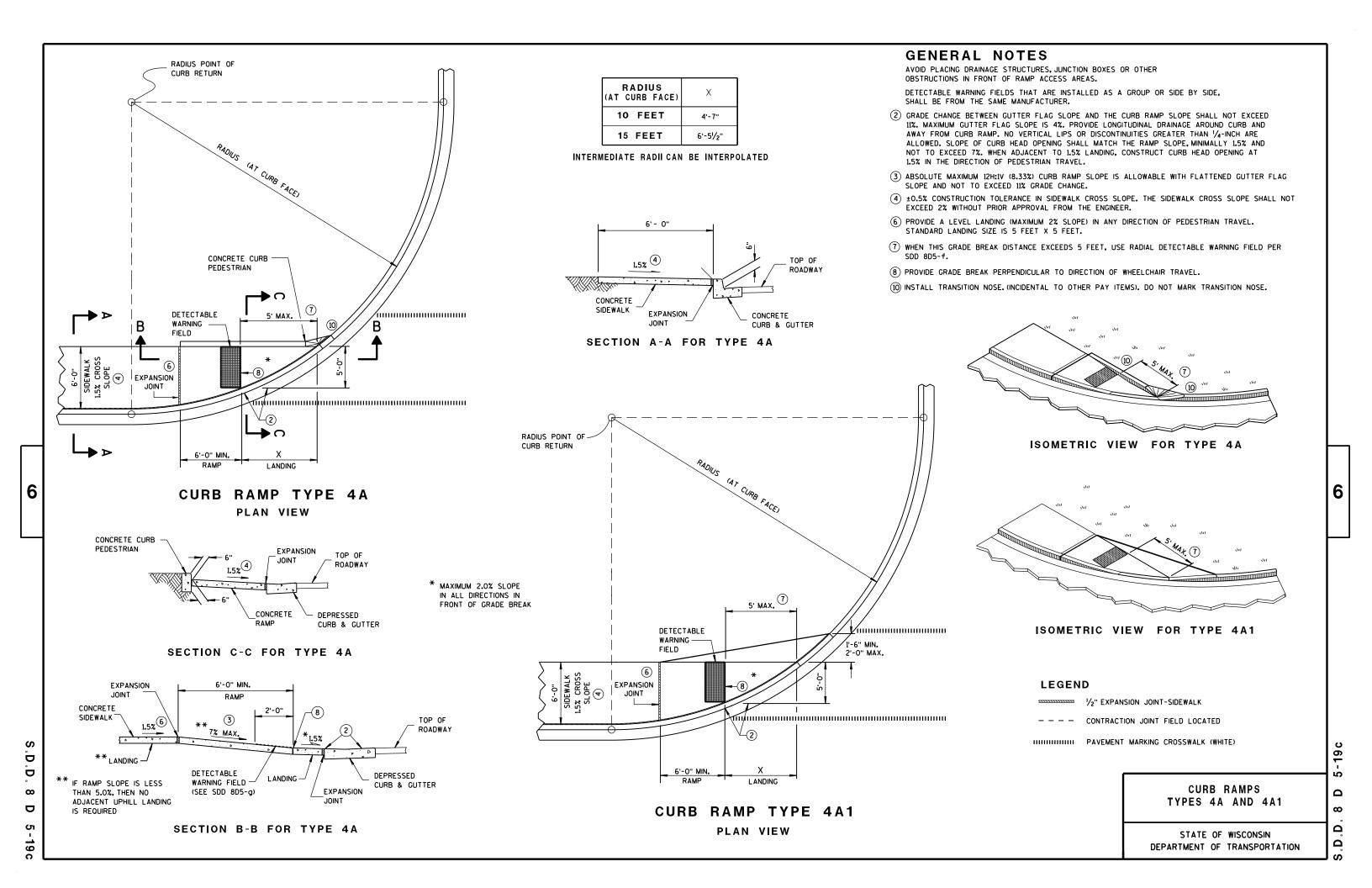
D

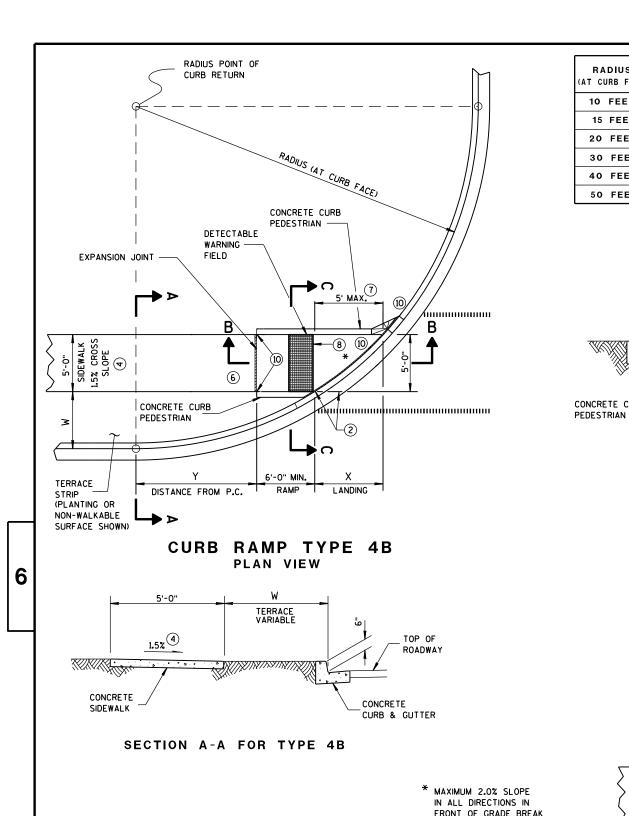
20b

 ∞ Ω Ω









6'-0" MIN.

RAME

7% MAX.3

DETECTABLE

(SEE SDD 8D5-g)

SECTION B-B FOR TYPE 4B

WARNING

FIELD

EXPANSION

** LANDING

JOINT

F IF RAMP SLOPE IS LESS

ADJACENT UPHILL LANDING

THAN 5.0%, THEN NO

IS REQUIRED

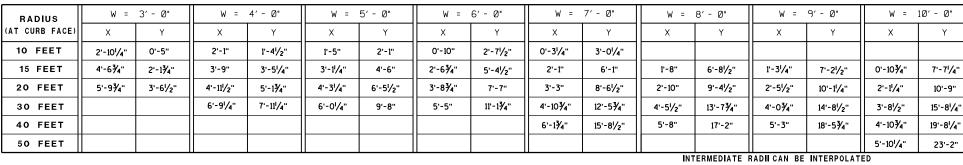
CONCRETE SIDEWALK

O D

 ∞

D

19 d



GENERAL NOTES

5'-0" RAMP

VARIES

0 TO 6"

<u>1.5%</u>

SECTION C-C FOR TYPE 4B

CONCRETE CURB

TOP OF

DEPRESSED

CURB &

GUTTER

EXPANSION

ROADWAY

TERRACE STRIP

VARIES O TO W

CONCRETE

CURB & GUTTER

ROADWAY

DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

6

-19

2

Ω

ω

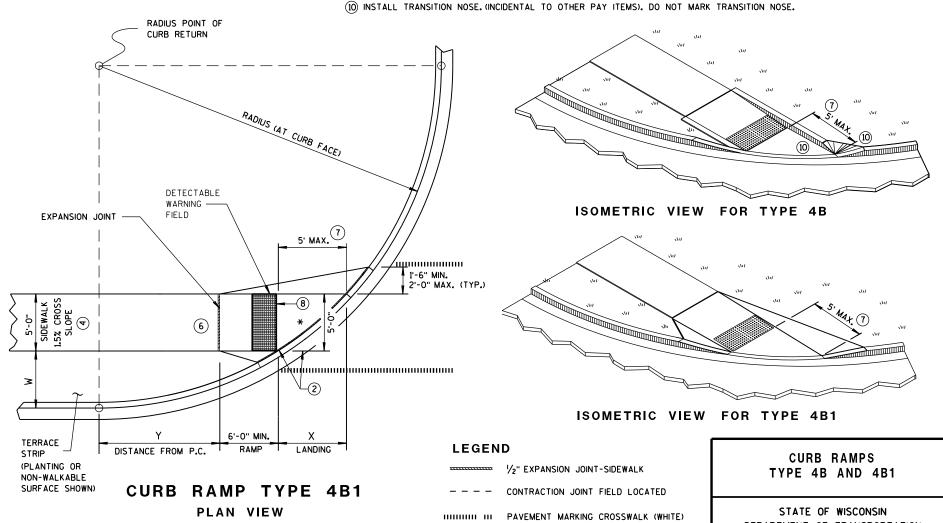
Ω

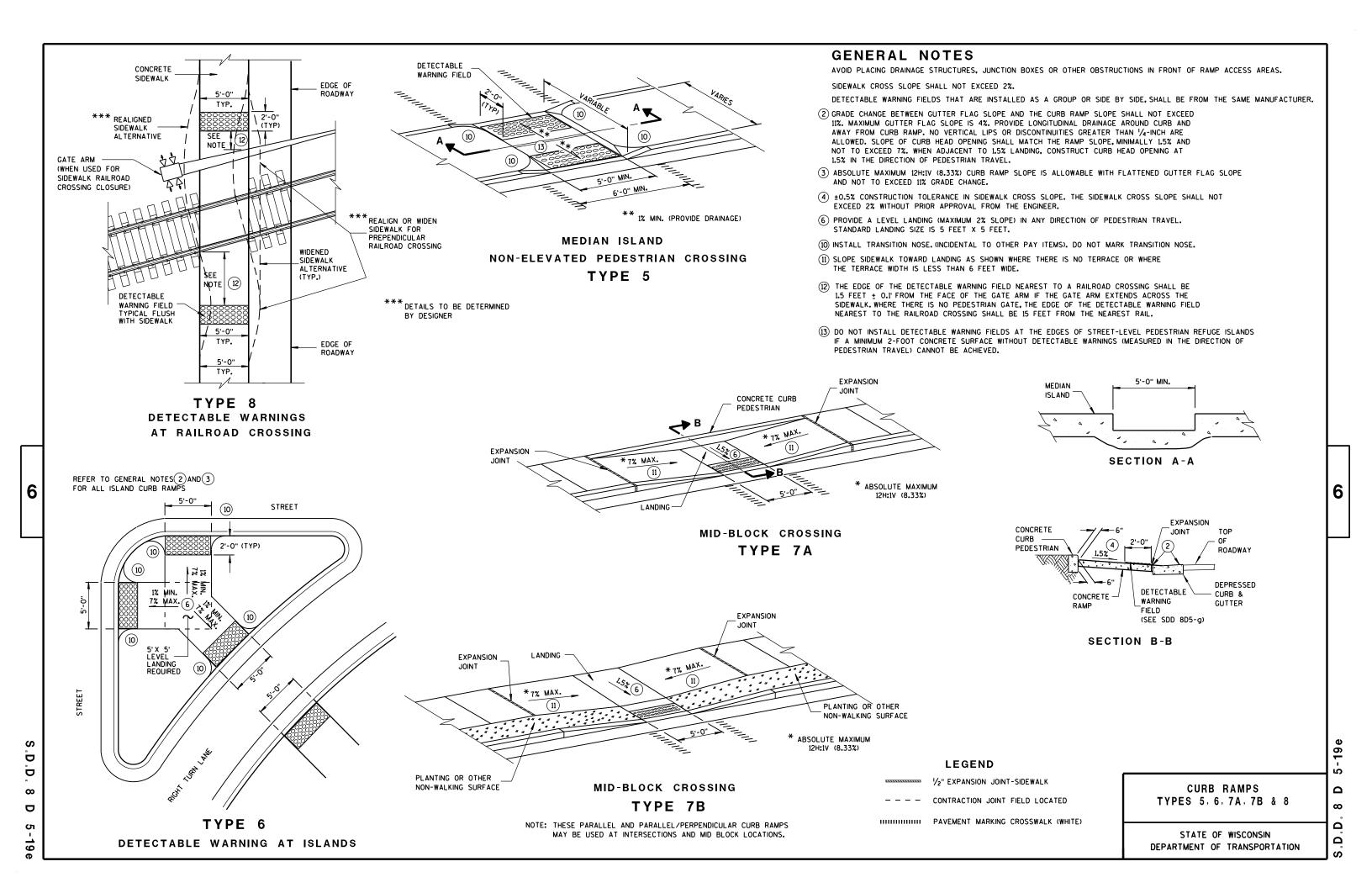
Ω

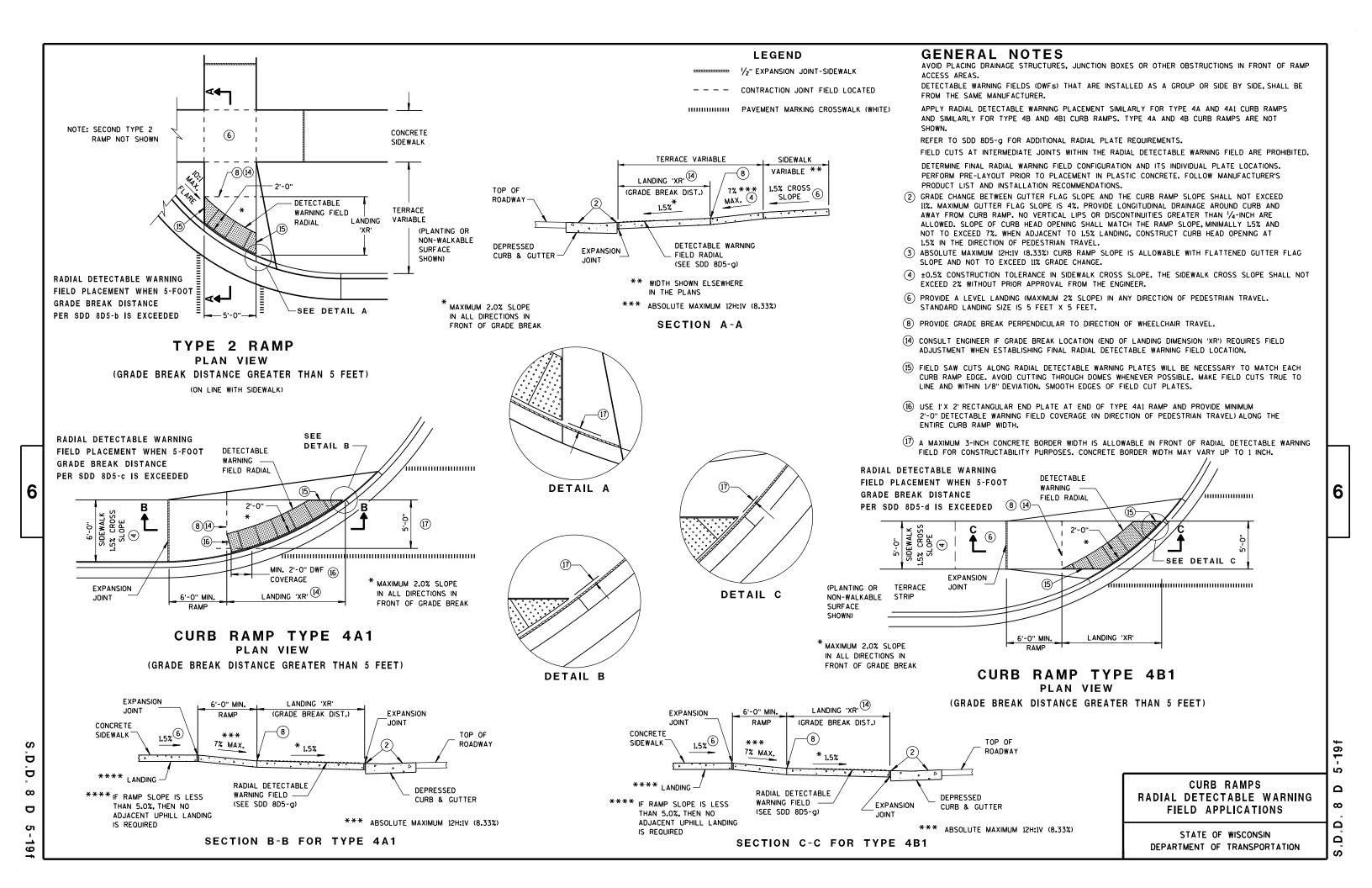
DEPARTMENT OF TRANSPORTATION

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS. DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

- (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 MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- (3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- 4 ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT 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.
- (7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.
- 8 PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.







6

A B	RAN	(a)
A		(B

PLAN VIEW

00 C	
ELEVATION	VIEW

THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

MIN.

1.6"

0.65"

В

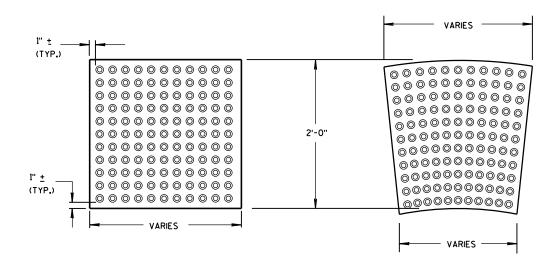
MAX

2.4"

1.5"

1.4"

TRUNCATED DOMES DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR **PLATES**

RADIAL **PLATES**

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

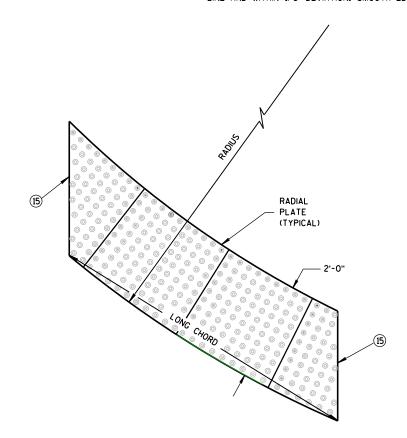
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGES IN COMBINATION WITH SQUARE PANELS ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



RADIAL DETECTABLE **WARNING FIELD ATTRIBUTES**

CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

6

S

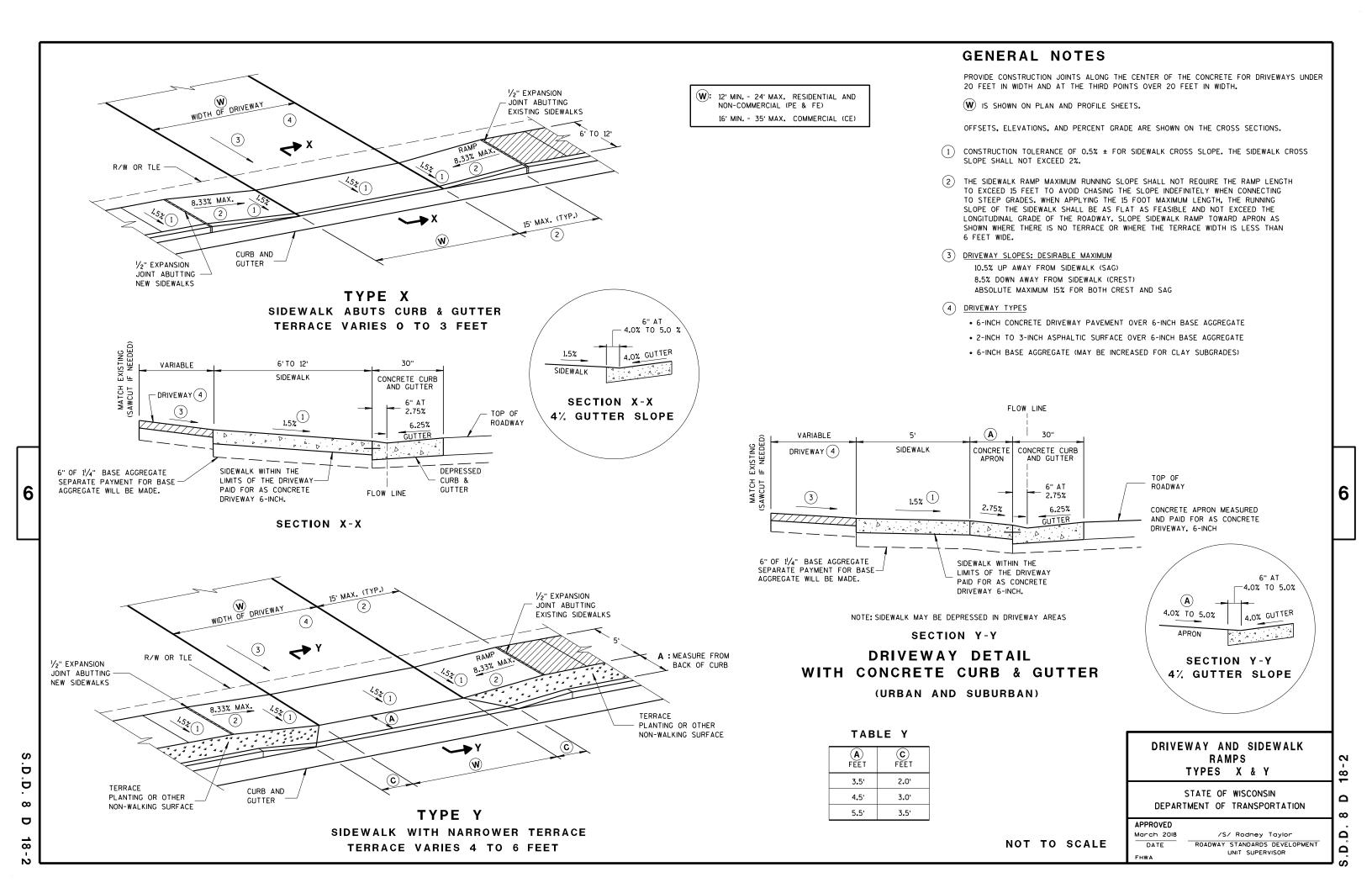
ω

Ω

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR



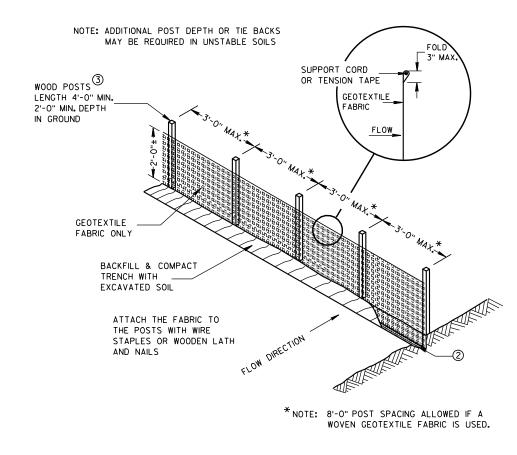
TYPICAL APPLICATION OF SILT FENCE

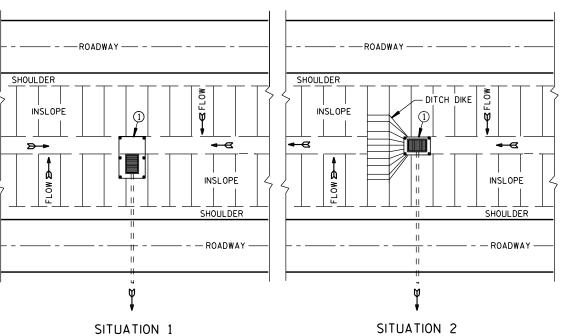
6

b

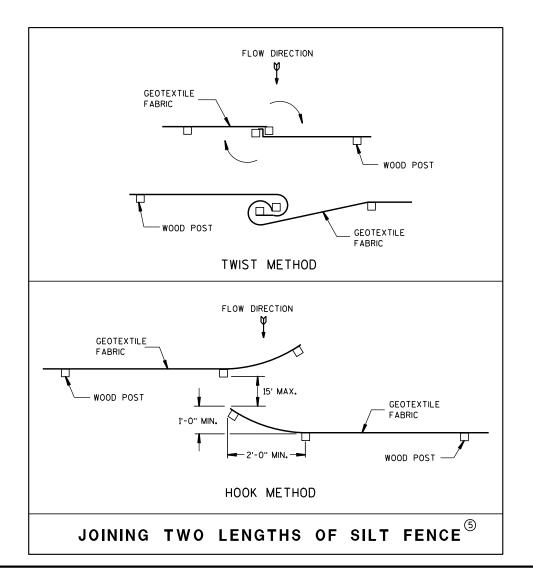
Ō

Ш





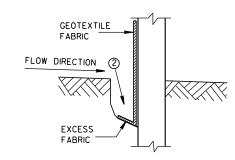
PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



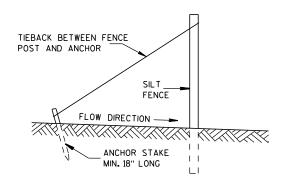
GENERAL NOTES

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

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

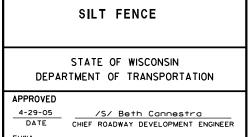


TRENCH DETAIL



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE

S.D.D. 8 E 9-6





INLET PROTECTION, TYPE A

GENERAL NOTES

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

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

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

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



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

0

ш

 ∞

 ∞

Δ

6

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

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

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







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

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

DIMPLED BAND MAY BE USED WITH HELICALLY

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

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

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

* EXCEPT CENTER PANEL SEE GENERAL NOTES





SHOULDER

SLOPE



SIDE ELEVATION METAL ENDWALLS



**MAXIMUM





CONCRETE ENDWALLS

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

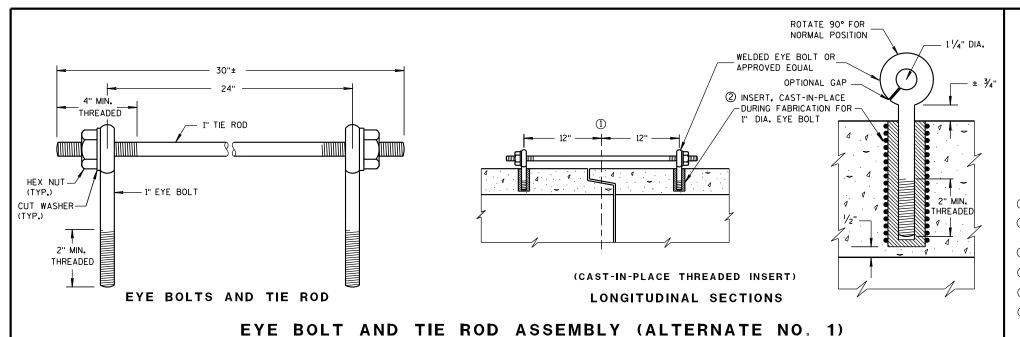
LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES.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

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

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



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



GENERAL NOTES

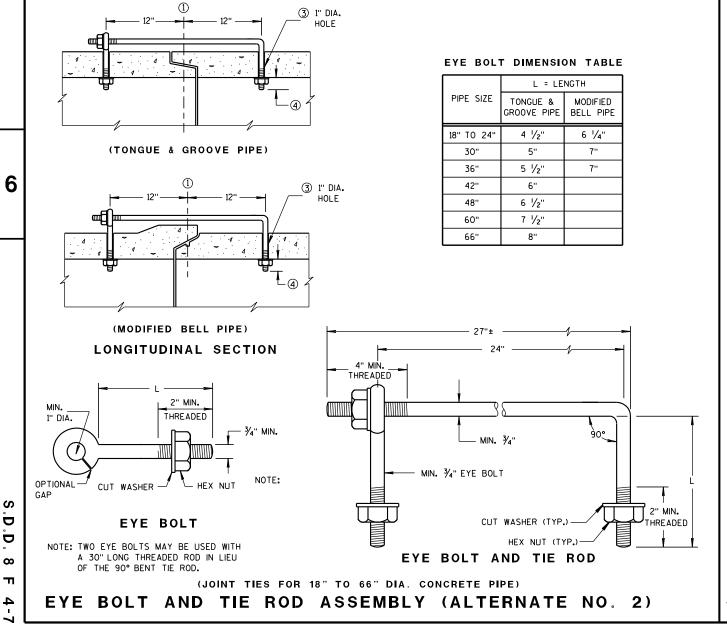
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES, ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

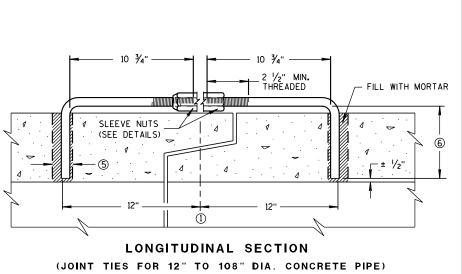
DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

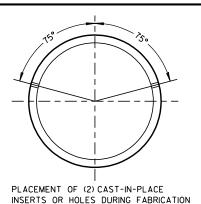
- (1) & OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE
- ${\mathfrak S}$ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ${\mathfrak L}$ OF TONGUE AND GROOVE.
- 4 BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.
- (5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.
- ⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN $rac{1}{2}$ INCH OF THE INNER SURFACE OF THE PIPE.



ADJUSTABLE TIE ROD TABLE 5/8 5 12-60 3/4 5 1/2 3/4 90-108 DIMENSIONS SHOWN ARE IN INCHES **TAPERED** PLAIN RIGHT AND LEFT THREADS **SLEEVE NUTS** 2 1/2" MIN. THREADED

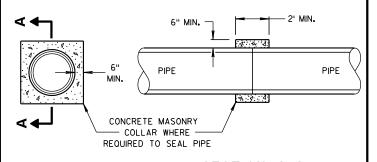


ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

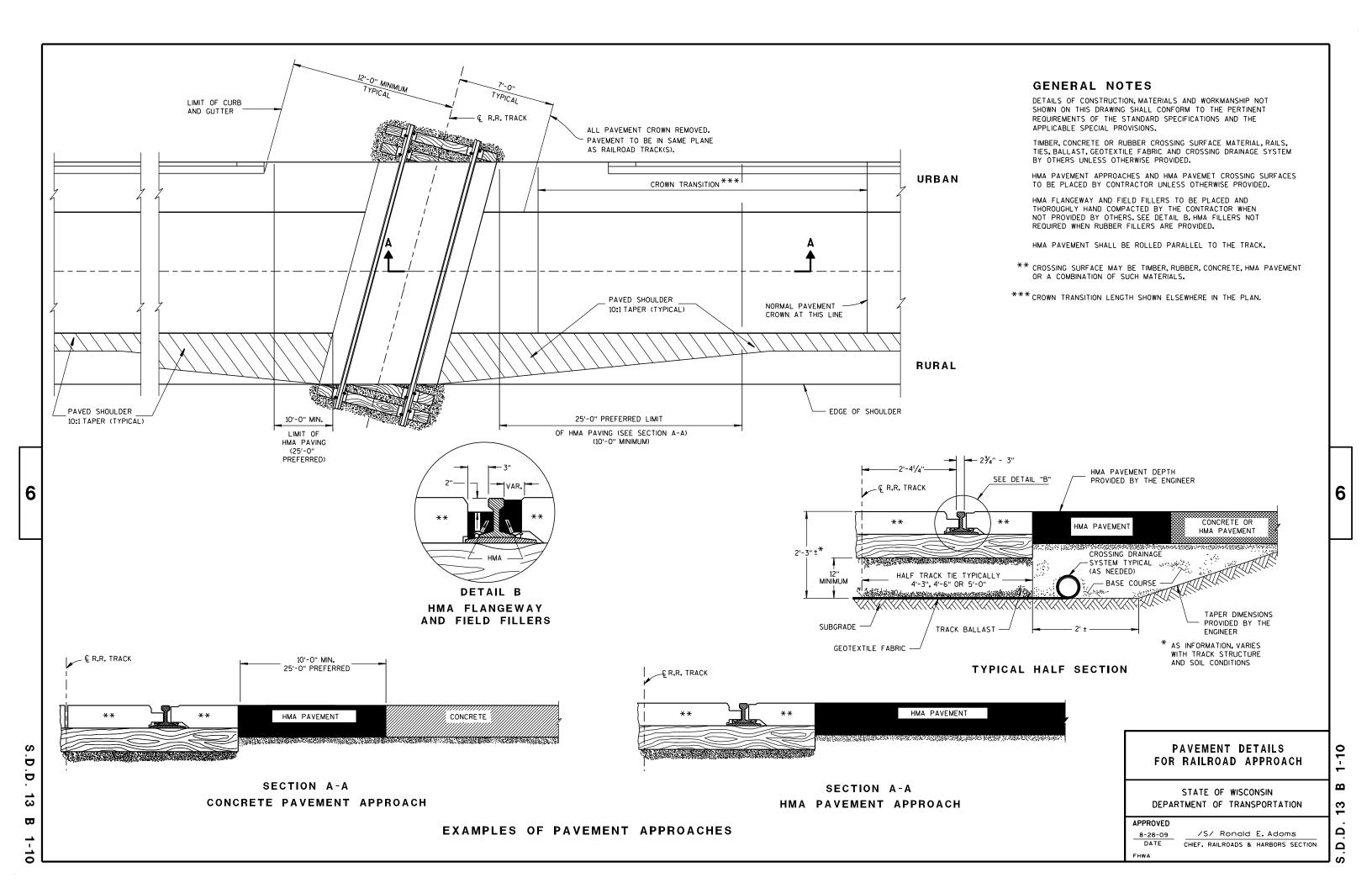
CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

6/5/2012 /S/ Jerry H. Zogg DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

 ∞ Ω









ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

2

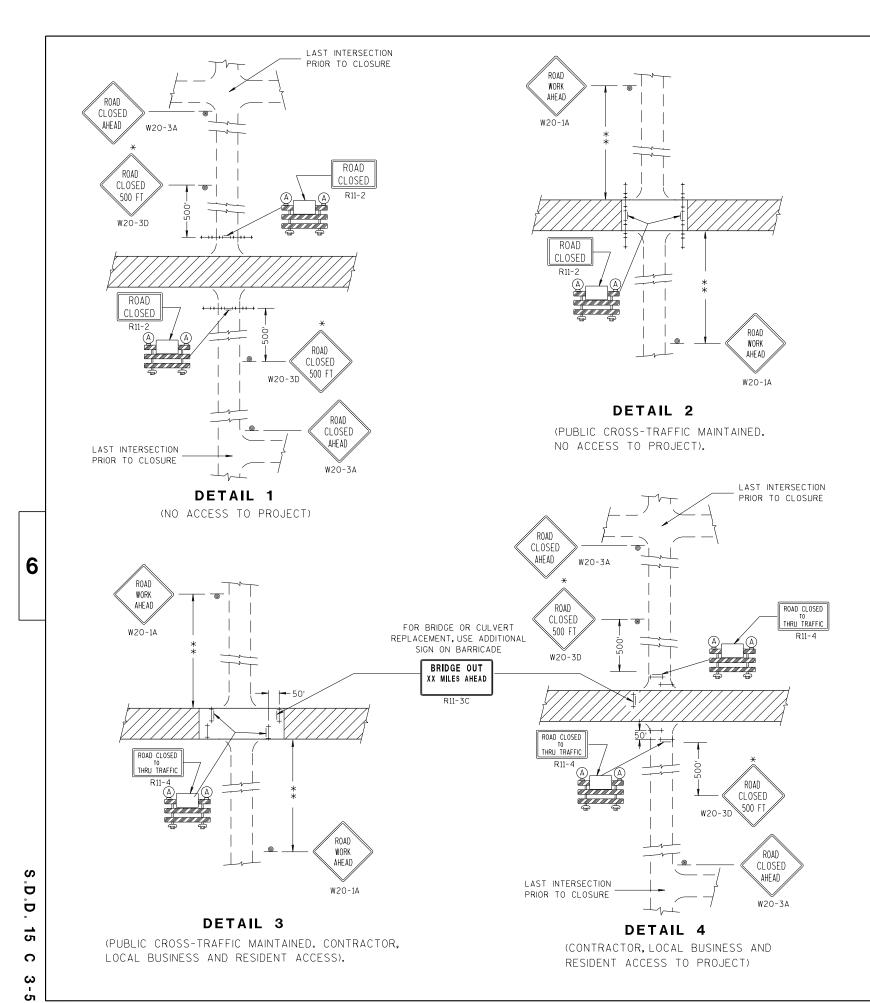
2

Ω

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER



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

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)



BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 /S/ Andrew Heid+ke
DATE WORK ZONE ENGINEER

S.D.D. 15 C 3

MAINLINE ROADWAY UNDER CONSTRUCTION

ROAD

WORK

AHEAD

CENTER OF ROADWAY

GENERAL NOTES

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

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

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48"

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

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

imes The Third W20-1Sign is required only if there is an intersection BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED 6

15

Ω

Ω

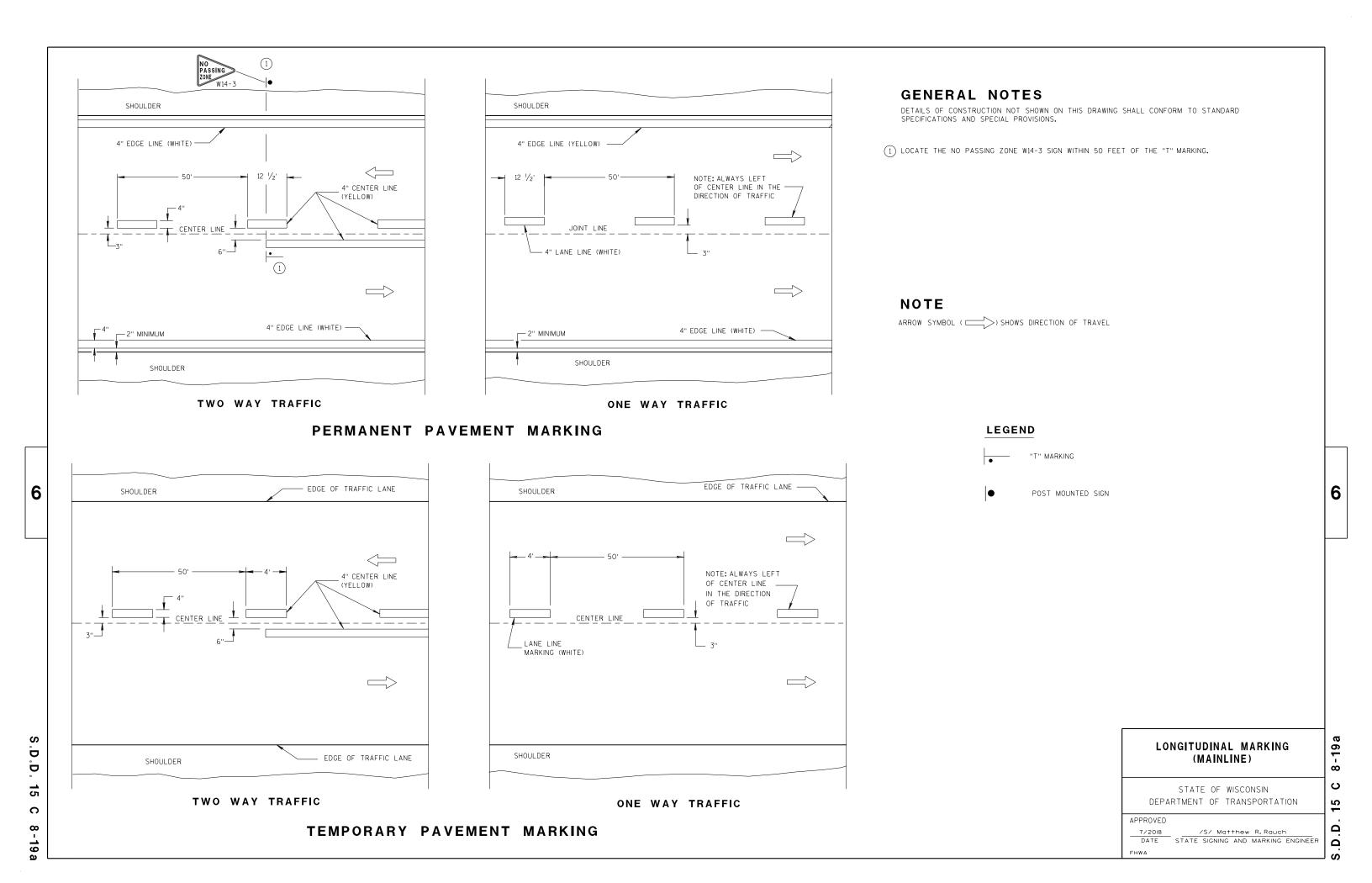
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

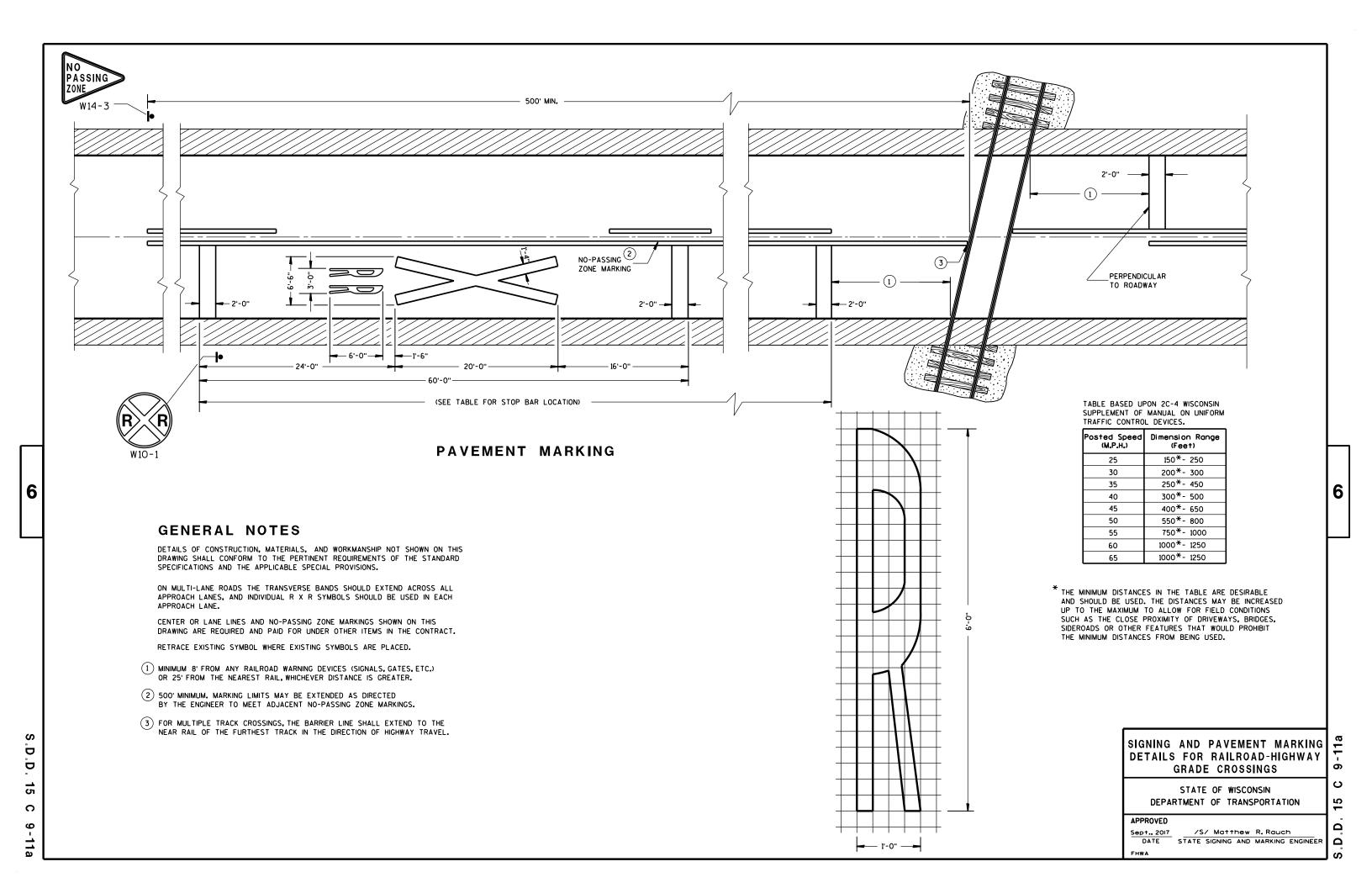
ROAD OPEN TO TRAFFIC

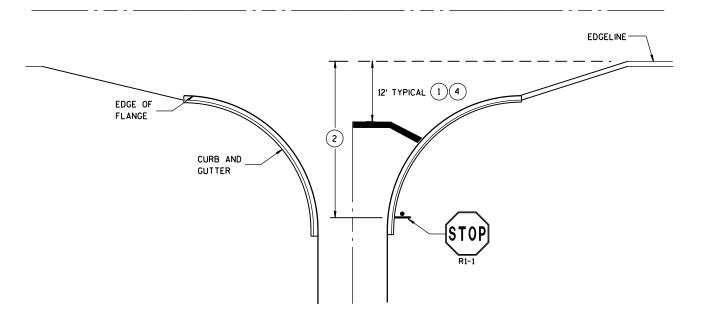
APPROVED

7/2018 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER

D D 15 C S



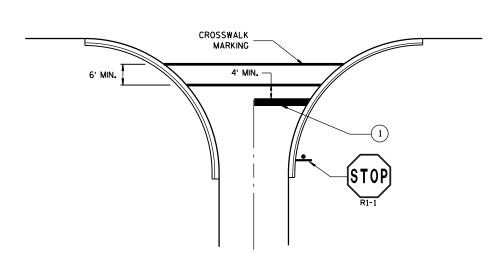




8" CHANNELIZATION WHITE FLANGELINE (EXTENSION) WHITE EDGELINE 4' TYPICAL (4)

TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



- EDGELINE 12' TYPICAL (1)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- (4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK **PAVEMENT MARKING**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED						
Sept., 2017		/S/ I	Matth	ew R.	Ro	uch
DATE	STATE	SIGNIN	G AND	MARKI	NG	ENGINEER
FHWA						

6

6

D D

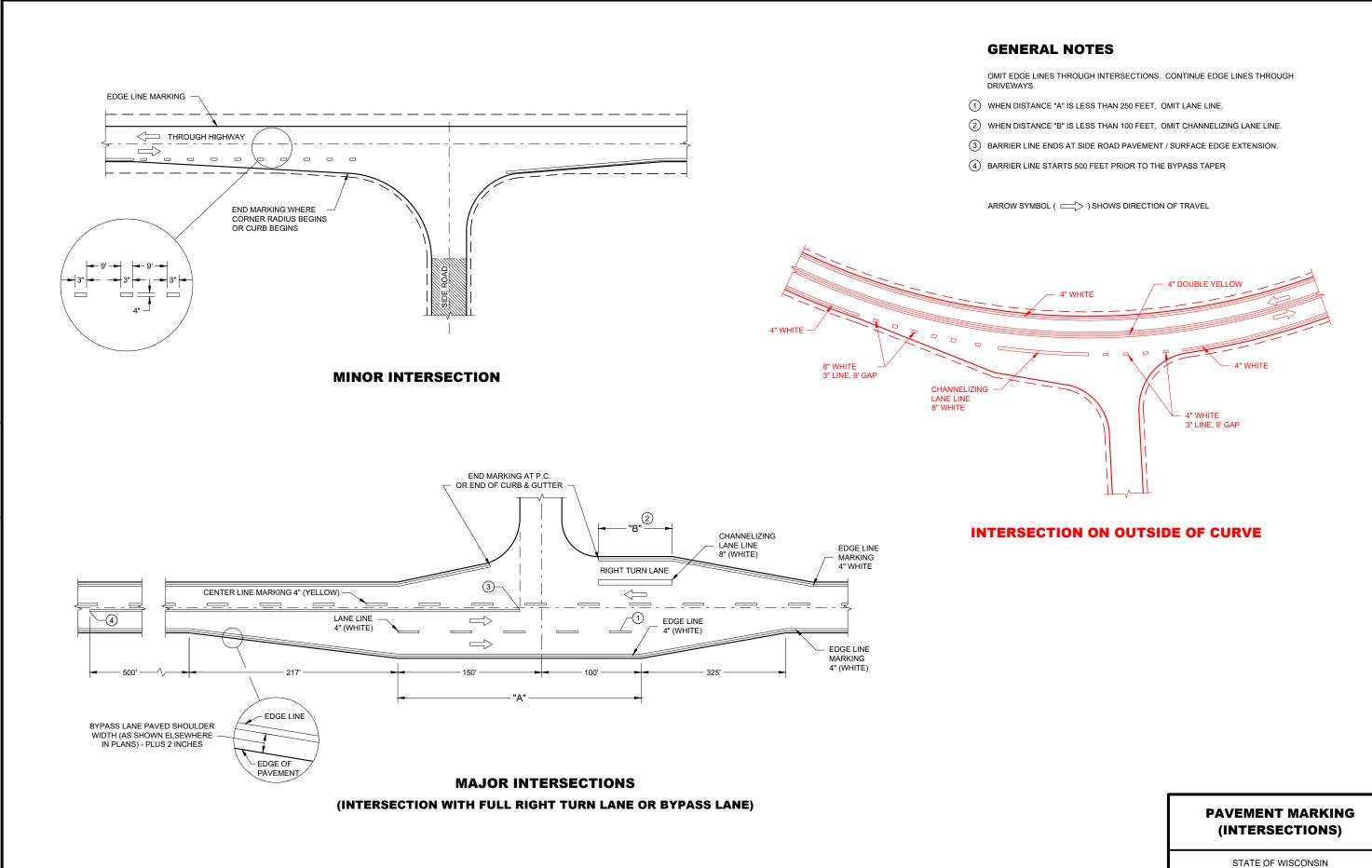
15

C

15 Ω

ပ

Ω



SDD 15C35

6

03a

15C35

SDD

DEPARTMENT OF TRANSPORTATION



TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREM	NUMBER OF		
L	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	٤
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

RURAL AREA

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

-11

D D 15 D ∞

6

Δ

 ∞

6

- 11/2" DIAMETER HOLES

Ω

Ω

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 1/6" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

> ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER FHWA

Ω Ω

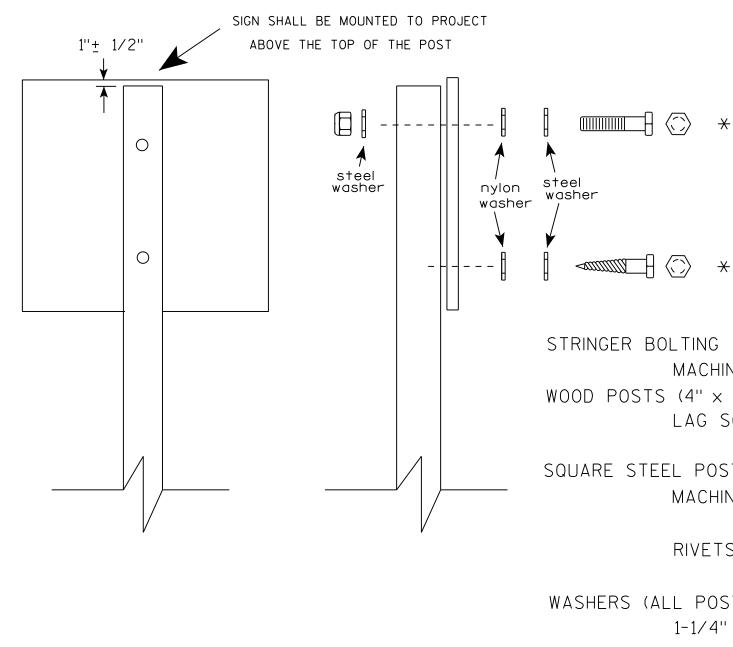
6

2 b

18

က

38-2b



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either:

- a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
- b. Electro-galvanized in accordance with ASTM Designation: B 633. TYPE III. SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - $\frac{3}{8}$ " X 3" (NO STRINGERS ON BACK OF SIGN) 3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/4" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - $\frac{1}{32}$ " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther For State Traffic Engineer

DATE 8/11/16

PLATE NO. __A4-8.8

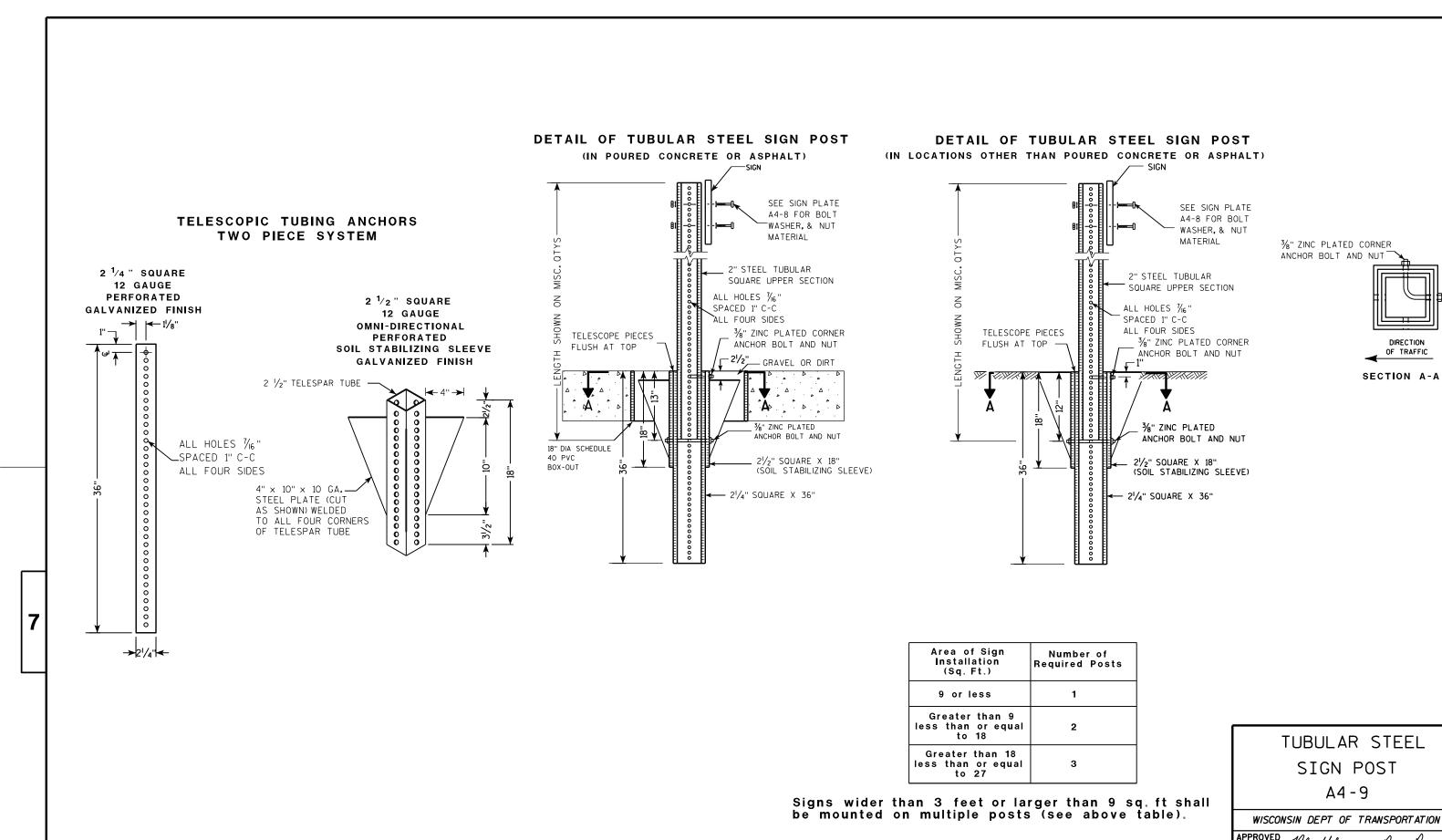
FILE NAME . C.\CAFfiles\Projects\tr stdplate\A48 DCN

PROJECT NO:

PLOT DATE . 11-416-2016 11:35

PLOT RY * \$\$ plotuser \$\$

SHEET NO: 29



FILE NAME: C:\CAEFiles\Projects\tr_stdplate\A49.DGN

PLOT DATE: 05-FEB-2015 17:09

PLOT BY: mscsja

PLOT NAME:

PLOT SCALE: 13.659812:1.000000

WISDOT/CADDS SHEET 42

COUNTY:

PROJECT NO:

HWY:

For State Traffic Engineer

SHEET NO: 30

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

DATE 2/05/15



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

Background - Red Message - White

3. Message Series - C

	F A
--	-----

												L/ 1.	⁻ 1														
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	V	W	Х	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

COUNTY:

STANDARD SIGN R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rawl For State Traffic Engineer

DATE <u>11/12/15</u>

PLATE NO. ____R1-1.13

SHEET NO: 31

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

HWY:

PROJECT NO:

PLOT DATE: 22-AUG-2017 07:19

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

PLOT SCALE: 4.427909:1.000000

NOTES

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

Background - White Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. The border strip and word message are reflectorized red.

A	
c	
H - I - J - J - J - J - J - J - J - J - J	<u>, </u>
	2
E	B
R1-2	

SIZE	Δ	В	C	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7 /8	4	3 %																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 1/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 1/8	5/8	2 3/8	2 1/4																	0.97

COUNTY:

STANDARD SIGN R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

/17 /14

DATE 10/13/14

PLATE NO. R1-2.12
SHEET NO: 32

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN

HWY:

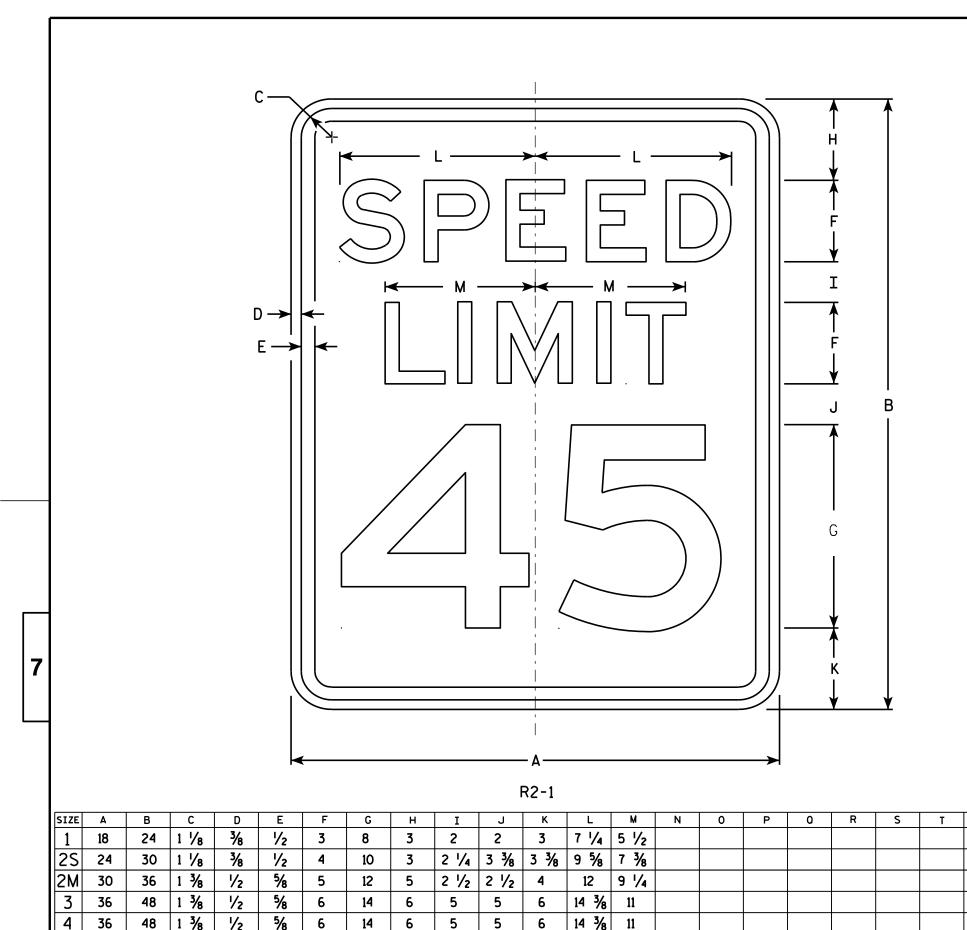
PROJECT NO:

PLOT DATE: 13-OCT-2014 15:12

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE : 5.837526:1.000000



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

COUNTY:

20

HWY:

6

NOTES

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

Background - White Message - Black

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

3.0 5.0 7.5 12.0 12.0 20.0

R2-1

STANDARD SIGN

DATE 5/26/10 PLATE NO. R2-1.13

SHEET NO: 33

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

2 1/4

60

5

48

PROJECT NO:

PLOT DATE: 28-MAY-2010 08:32

PLOT BY : ditjph

PLOT NAME :

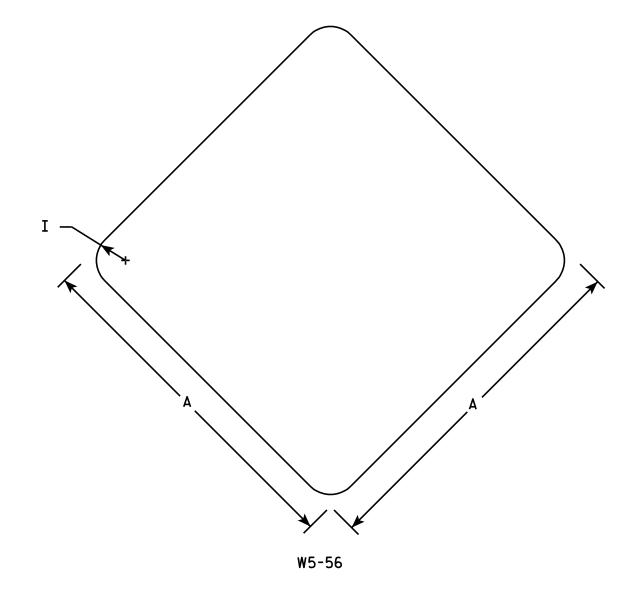
PLOT SCALE: 4.717577:1.000000

NOTES

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

Background - Red

3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 1/2																		2.25
2M	18								1 1/2																		2.25
3																											
4																											
5																											
													_														

COUNTY:

STANDARD SIGN W5-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther & Rawl

DATE 11/2/10 PLATE NO. W5-56.6

SHEET NO: 34

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W556.DGN

HWY:

PROJECT NO:

PLOT DATE: 03-NOV-2010 09:53

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 4.965868:1.000000

NOTES

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

Background - Yellow Message - Black

3. Message Series - E

W10	D-1

SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Р	0	R	S	T	U	v	W	х	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
25	36			5/8	3/4	8	4	45°	14 3/8	8 %	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 %	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 %	5	2 1/2															12.57
5																·			·		·						

COUNTY:

STANDARD SIGN W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 3/13/13 State Traffic Engineer PLATE NO. W10-1.8

SHEET NO: 35

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W101.DGN

PROJECT NO:

HWY:

PLOT DATE: 13-MAR-2013 11:06

PLOT BY : mscj9h

PLOT NAME :

PLOT SCALE: 6.946657:1.000000



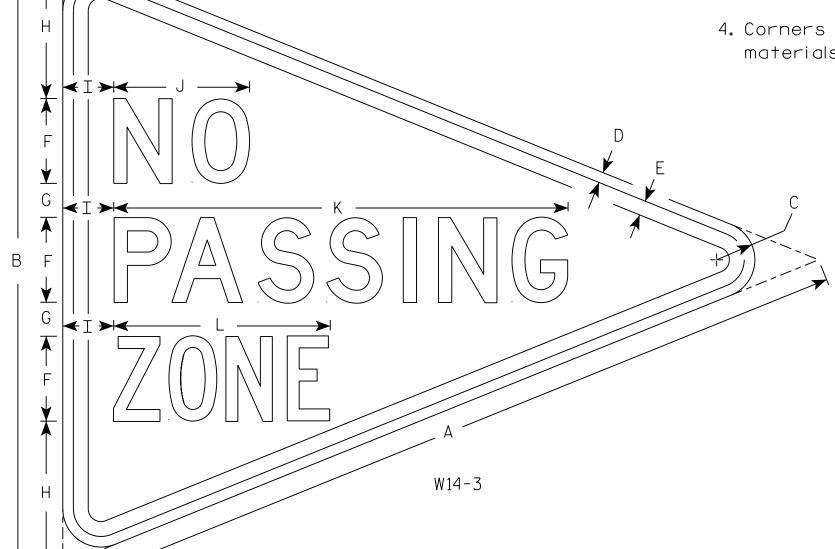
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Message – Black

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

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



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Ρ	0	R	S	Т	U	٧	w	X	Y	Z	Area sq. ft.
1																											
25	48	36	2 1/4	5/8	<i>7</i> ⁄8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											
PRO)JECT	NO:					Тн	WY:	•					JNTY:				•				•	•				•

STANDARD SIGN W14-3

WISCONSIN DEPT OF TRANSPORTATION

//latt/ For

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

SHEET NO: 36

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

PLOT DATE: 21-MAR-2017 08:48

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

PLOT SCALE: 5.650195:1.000000

urban area

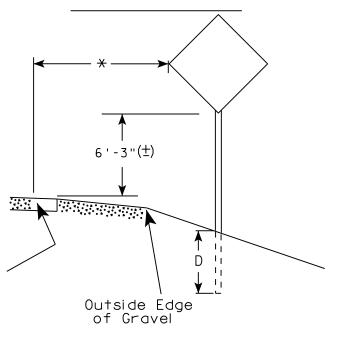
2' Min - 4' Max (See Note 6)

** Curb Flowline

D

White Edgeline Location

RURAL AREA (See Note 2)



or larger, shall be mounted on multiple posts. Refer to plate A4-4.

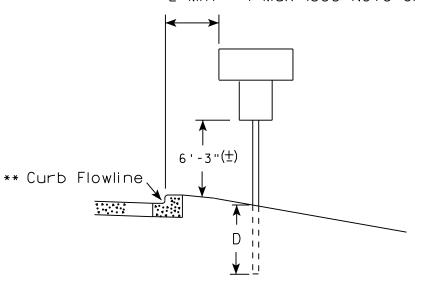
1. Signs wider than 4 feet or 20 sq.ft

GENERAL NOTES

2. If signs are mounted on barrier wall, see A4-10 sign plate.

- 3. For expressways and freeways, mounting height is 7'- 3" (\pm) or 6'-3" (\pm) depending upon existence of a sub-sign.
- 4. J-Assemblies are considered to be one sign for mounting height.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5'-3''(\pm)$.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (\pm) 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" (±). 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" (±).

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



White Edgeline
Location

Outside Edge
of Gravel

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated.

That beight is typically measured where

HWY:

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

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

Matther & Kaud For State Traffic Engineer

DATE 8/21/17 PLATE NO. 44-3.21

SHEET NO: 37

PROJECT NO:

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

COUNTY:

PLOT DATE: 21-AUG-2017 16:04 PLOT BY: \$\$..

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

PLOT SCALE: 100.601251:1.000000

APPROVED

	AREA (SF)							Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)								
			AREA (<u>3F)</u>					Increme	ental voi (C	T) (Una	ajustea			Cumui	ative voi (C	Expanded		Expanded	Reduced	Reduced	
																	Marsh		EBS	Marsh	EBS	
	Real		١	Salvaged/		Marsh			١	Salvaged/		Marsh	Rock		١	Expanded		Expande				Mass
	Station		Cut	Unusable Pavement	Fill	Exc	Exc	EBS	Cut	Unusable Pavement	Fill	Exc	Exc	EBS	Cut	Fill	Backfill	d Rock	Backfill	in Fill	In Fill	Ordinate
STATION		Distance		Material						Material					1.00	1.25	1.50	1.10	1.30	0.60	0.80	
									Note 1	Note 2	Note 3				Note 1		Note 4		Note 5	Note 6	Note 7	Note 8
11+50.000	1150		2.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11+80.000	1180	30	33.56	0	0	0	0	0	20	0	0	0	0	0	20	0	0	0	0	0	0	20
12+00.000	1200	20	59.24	0	2.19	0	0	0	34	0	1	0	0	0	55	1	0	0	0	0	0	54
12+50.000	1250	50	57.79	0	1.88	0	0	0	108	0	4	0	0	0	163	6	0	0	0	0	0	157
12+75.000	1275	25	61.55	0	11.49	0	0	0	55	0	6	0	0	0	218	13	0	0	0	0	0	205
12+94.000	1294	19	32.94	0	2.54	0	0	0	33	0	5	0	0	0	251	20	0	0	0	0	0	232
13+00.000	1300	6	68.17	0	8.32	0	0	0	11	0	1	0	0	0	263	21	0	0	0	0	0	241
13+17.230	1317	17	47.16	0	13.07	0	0	0	37	0	/	0	0	0	299	30	0	0	0	0	0	270
13+25.000	1325	8	39.71	0	20.68	0	0	0	12	0	5	0	0	0	312	36	0	0	0	0	0	276
13+50.000	1350	25	43.49	0	8.83	0	0	0	39	0	14	0	0	0	350	53	0	0	0 0	0	0	298
14+00.000	1400	50	68.92	0 0	3.06	0	0	0	104	0	11	0	0	0	455	67	0	0	0	0	0	388
14+40.000	1440 1450	40 10	77.93 76.39	0	0.11	0	0	0	109 29	0	2	0	0 0	0	563 592	70 70	0	0	0	0	0	494 522
14+50.000	1465	15	84.43	0	0.76	0	0	0	45	0	0	0	0	0	637	70 70	0	0	0	0	0	567
14+65.000 14+90.000	1490	25	86.89	0	0.15	0	0	0	79	0	0	0	0	0	716	70	0	0	0	0	0	646
15+00.000	1500	10	82.10	0	0	0	0	0	31	0	0	0	0	0	747	70	0	0	0	0	0	677
15+30.000	1530	30	87.21	0	0.04	0	0	0	94	0	0	0	0	0	841	70	0	0	0	0	0	771
15+50.000	1550	20	87.68	0	0.04	0	0	0	65	0	0	0	0	0	906	70	0	0	0	0	0	836
15+60.000	1560	10	81.96	0	0.07	0	0	0	31	0	0	0	0	0	937	70	0	0	0	0	0	867
15+75.000	1575	15	80.42	ō	0.14	0	0	0	45	0	0	0	0	0	983	70	0	0	0	0	0	912
16+00.000	1600	25	68.53	0	0.14	0	0	0	69	0	0	0	0	0	1051	70	0	0	0	0	0	981
16+50.000	1650	50	107.52		0.23	0	0	0	163	0	0	0	0	0	1214	71	0	0	0	0	0	1144
17+00.000	1700	50	70.00	0	0.47	0	0	0	164	0	0	0	0	0	1379	71	0	0	0	0	0	1308
17+25.000	1725	25	79.31	ō	1.1	0	0	0	69	0	1	0	0	0	1448	72	0	0	0	0	0	1376
17+50.000	1750	25	79.87	0	0.08	0	0	0	74	0	1	0	0	0	1522	73	0	0	0	0	0	1449
17+55.000	1755	5	84.01	0	0.55	0	0	0	15	0	0	0	0	0	1537	73	0	0	0	0	0	1464
17+72.000	1775	20	92.42	0	0.55	0	0	0	65	0	0	0	0	0	1602	73	0	0	0	0	0	1529
17+90.000	1790	15	102.25	0	0	0	0	0	54	0	0	0	0	0	1656	73	0	0	0	0	0	1583
18+00.000	1800	10	84.48	0	0.08	0	0	0	35	0	0	0	0	0	1691	73	0	0	0	0	0	1618
18+45.000	1845	45	72.33	0	0.25	0	0	0	131	0	0	0	0	0	1822	74	0	0	0	0	0	1748
18+50.000	1850	5	77.06	0	1.14	0	0	0	14	0	0	0	0	0	1835	74	0	0	0	0	0	1762
18+70.000	1870	20	72.96	0	1.33	0	0	0	56	0	1	0	0	0	1891	75	0	0	0	0	0	1816
19+00.000	1900	30	60.90	0	0.45	0	0	0	74	0	1	0	0	0	1965	76	0	0	0	0	0	1889
19+50.000	1950	50	70.69	0	0.37	0	0	0	122	0	1	0	0	0	2087	77	0	0	0	0	0	2010
19+70.000	1970	20	76.02	0	0.31	0	0	0	54	0	0	0	0	0	2141	77	0	0	0	0	0	2064
20+00.000	2000	30	73.30	0	0.71	0	0	0	83	0	1	0	0	0	2224	78	0	0	0	0	0	2146
20+35.000	2035	35	75.83	0	0.16	0	0	0	97	0	1	0	0	0	2321	79	0	0	0	0	0	2242
20+50.000	2050	15	75.16	0	0	0	0	0	42	0	0	0	0	0	2363	79	0	0	0	0	0	2284
21+00.000	2100	50	87.04	0	0.08	0	0	0	150	0	0	0	0	0	2513	79	0	0	0	0	0	2434
21+50.000	2150	50	90.17	0	0.06	0	0	0	164	0	0	0	0	0	2677	79	0	0	0	0	0	2598
22+00.000	2200	50	76.24	0	0.06	0	0	0	154	0	0	0	0	0	2831	79	0	0	0	0	0	2752
22+50.000	2250	50	145.68	0	0	0	0	0	205	0	0	0	0	0	3037	79	0	0	0	0	0	2958
22+79.650	2280	30	45.17	0	0	0	0	0	105	0	0	0	0	0	3142	79	0	0	0	0	0	3062
										0					ļ							
						C-	lume +-	talc	2142	0	62	0	0	0								
						Co	lumn to	cais	3142	U	63	U	0	U	1							

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

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

- Expanded Fill = (Unexpanded Fill Rock* Rock Factor Reduced EBS) * Fill Factor
- Or Expanded Fill = (Unexpanded Fill Rock* Rock Factor Reduced Marsh) * Fill Factor
- Or Expanded Fill = (Unexpanded Fill Rock* Rock Factor) * Fill Factor

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) Use 113,641 CY of material from Division 1. Borrow Excavation item number 208.0100

PROJECT NO:6997-03-70 HWY:EAST FIFTH STREET COUNTY:SHAWANO EARTHWORK SHEET 38 **E**

FILE NAME : R:\4200\4281\4281016\DWG(2014)\090101_EW.DWG LAYOUT NAME - ****

PLOT DATE: 9/26/2018 8:55 AM

PLOT BY: ROCHELLE L. BURSA PLOT NAME:

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 49

9

²⁾ Salvaged/Unsuable Pavement Material is included in Cut.

³⁾ EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.

⁴⁾ Salvaged/Unusable Pavement Material

⁵⁾ Available Material = Cut - Salvaged/Unusuable Pavement Material

⁶⁾ Marsh Excavation - to be backfilled with Select Borrow Material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well. Item number 205.0500

⁷⁾ Rock Excavation item number 205.0200

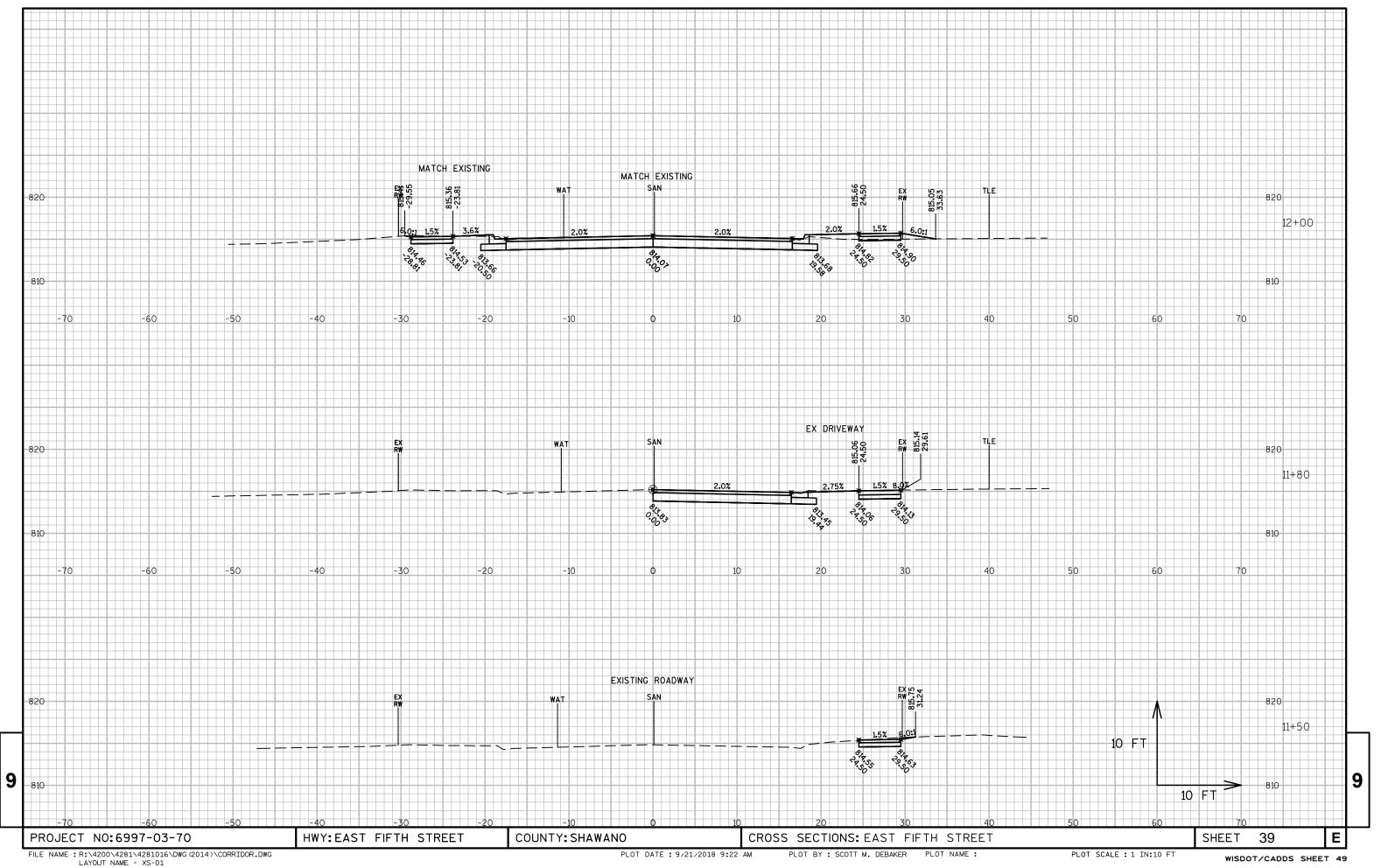
⁸⁾ Reduced Marsh in Fill - Excavated Marsh material is usuable in Fills outside the 1:1 slope. Marsh in Fill Reduction factor = 0.6 9) Reduced EBS in Fill - Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8

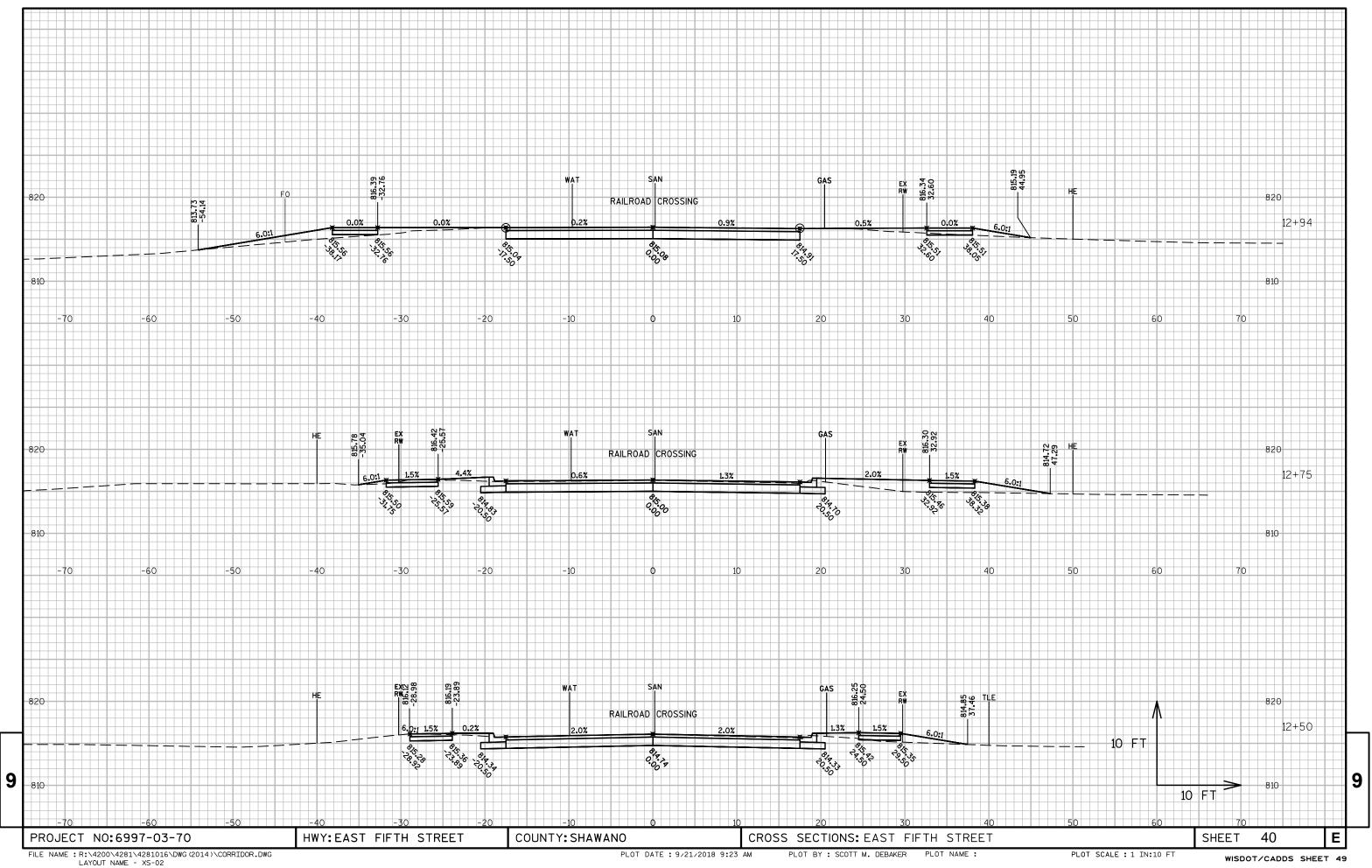
¹⁰⁾ Expanded Marsh Backfill - This is to be filled with Select Borrow material. Marsh Backfill Factor = 1.5. Item number 208.11

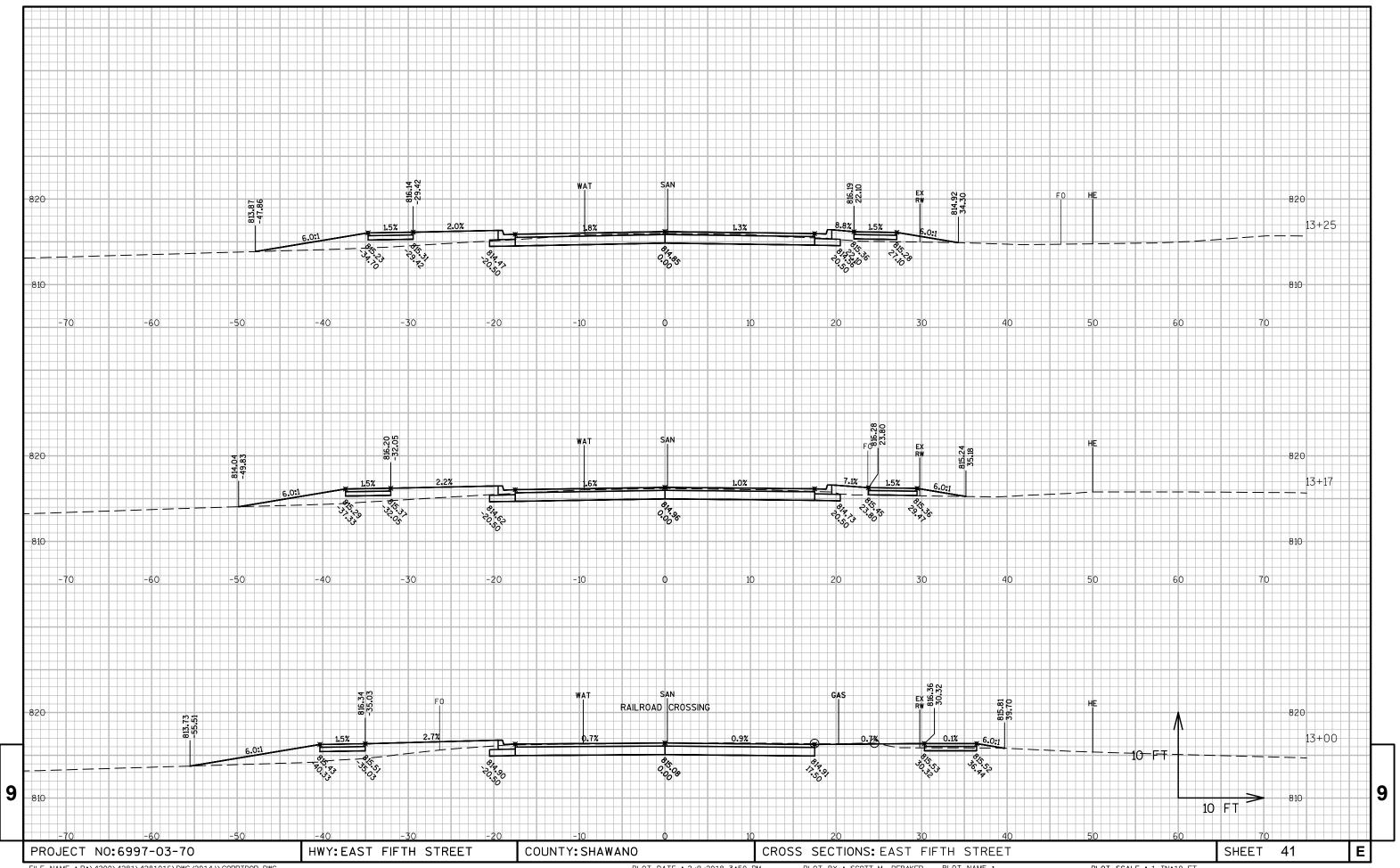
¹¹⁾ Expanded EBS Backfill - This is to be filled with Select Borrow material. EBS Backfill Factor = 1.3. Item number 208.11

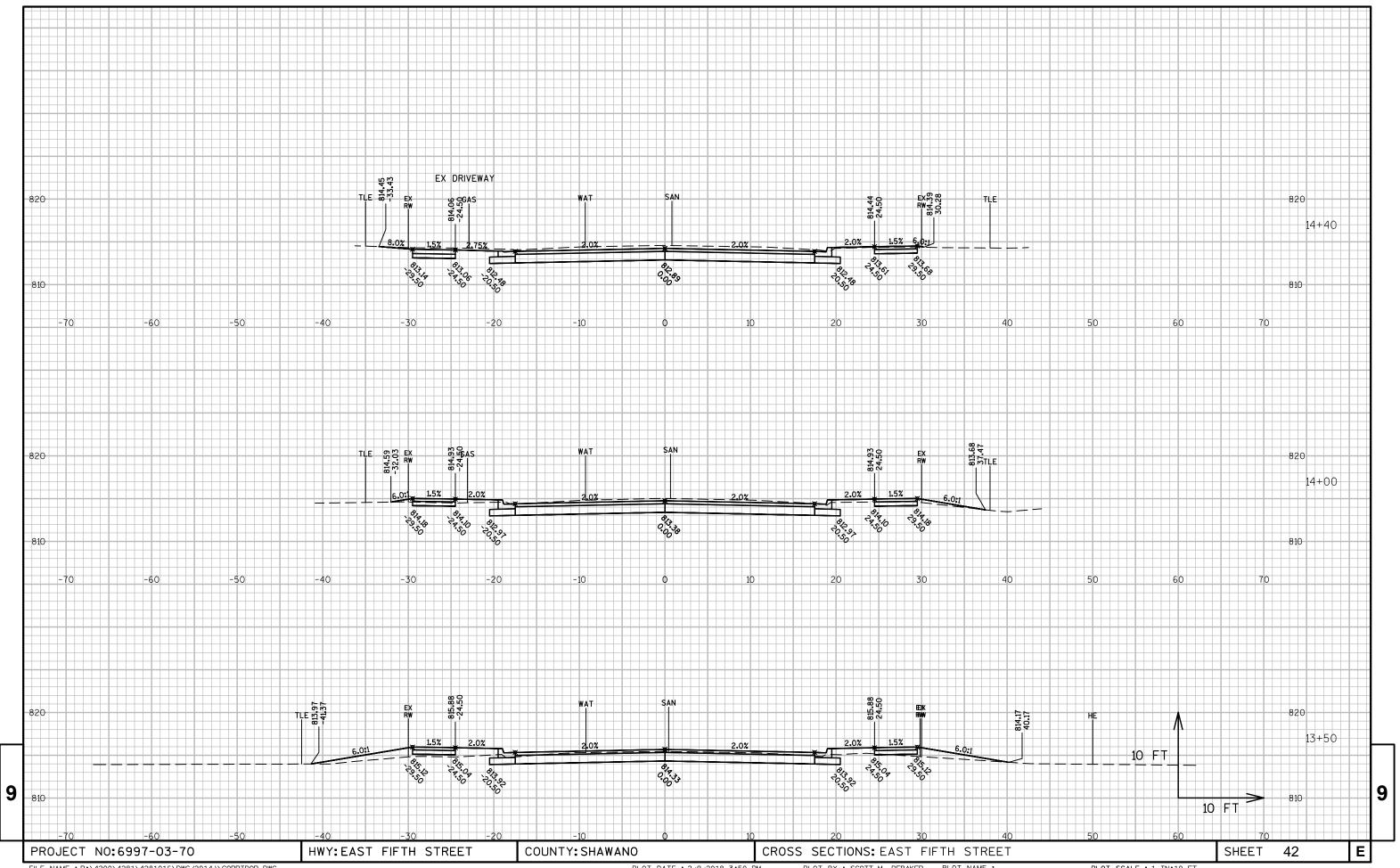
¹²⁾ Expanded Rock - Factor = 1.1.

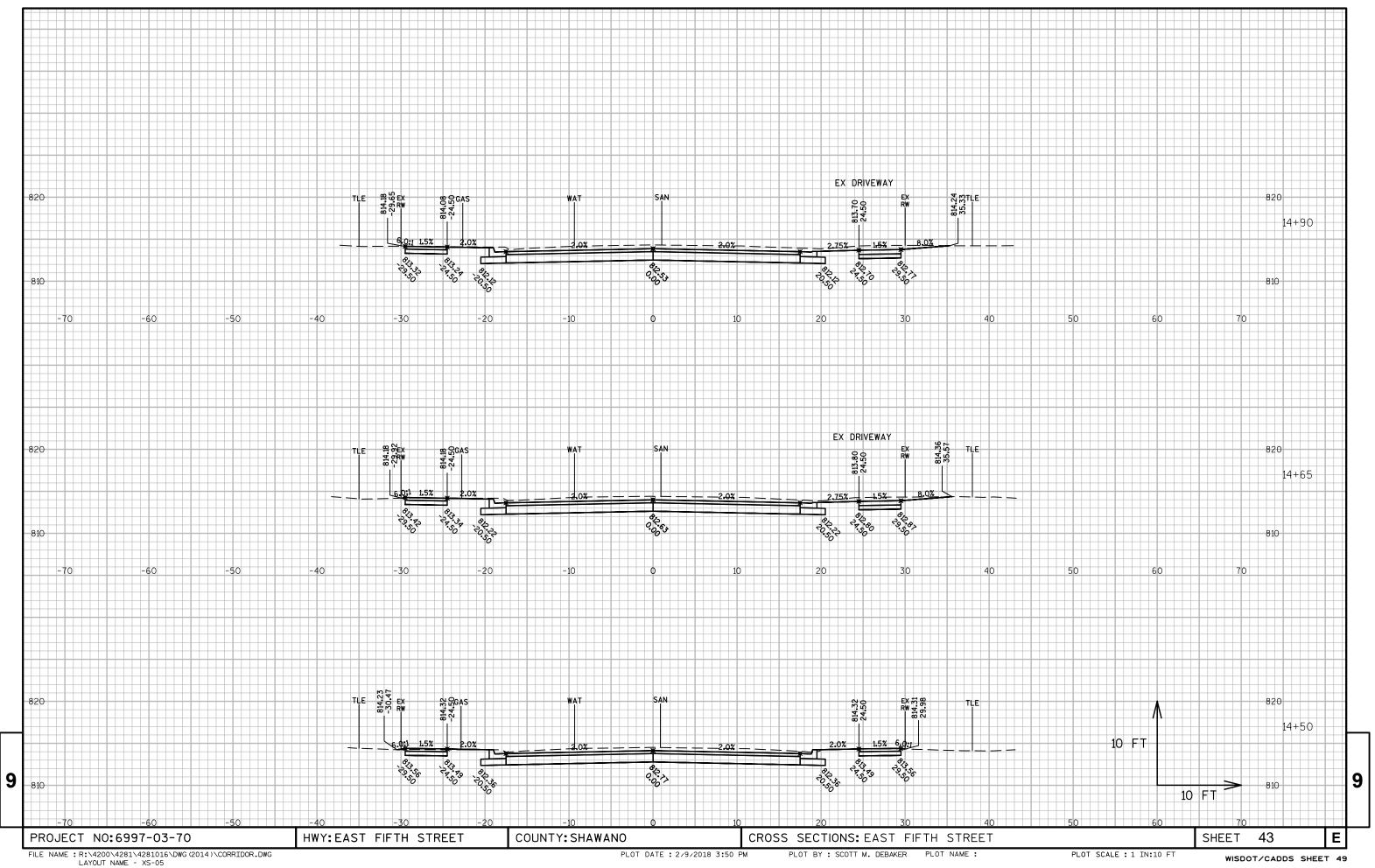
¹³⁾ Expanded Fill. Factor = 1.25 Depending on selections:

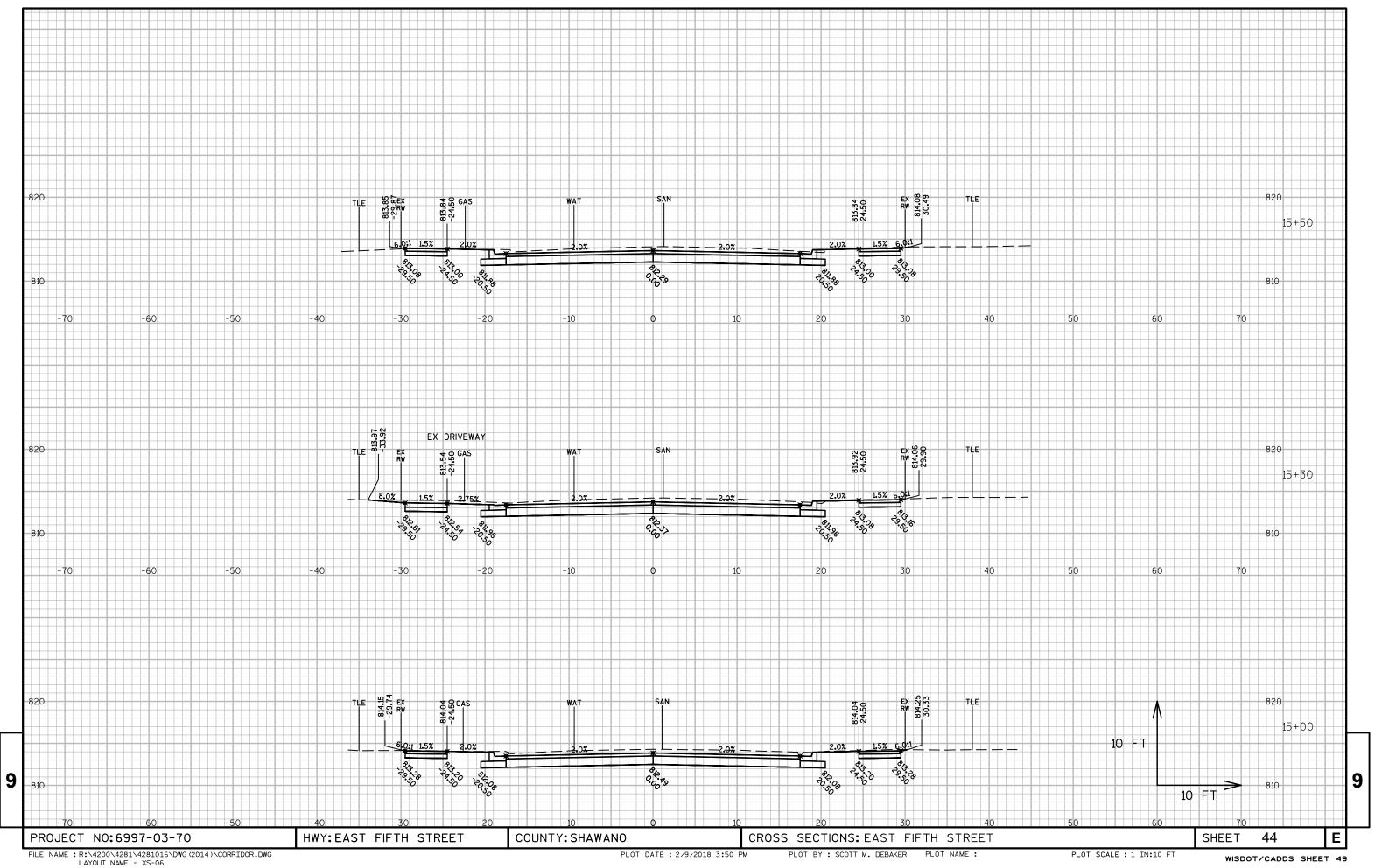


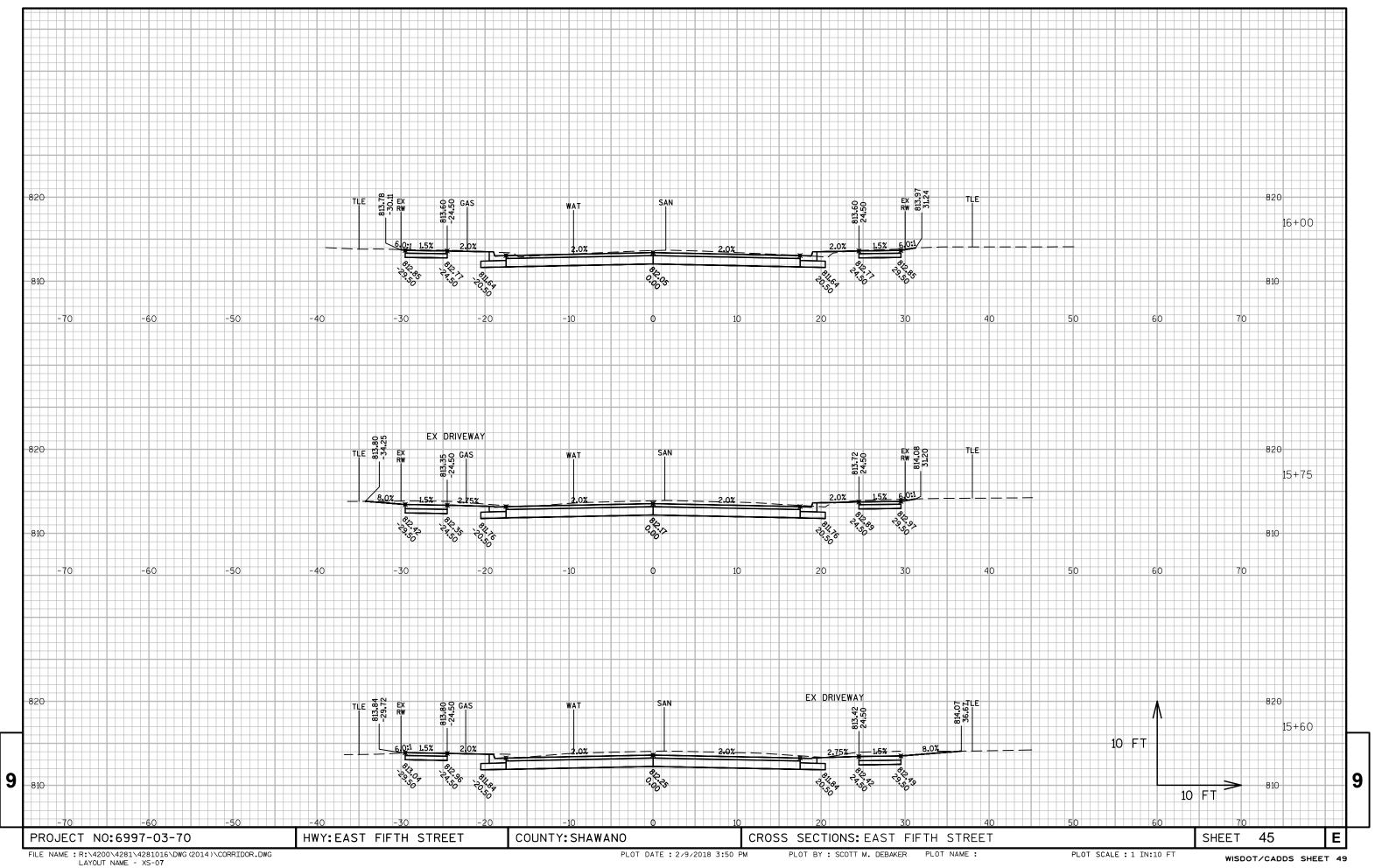


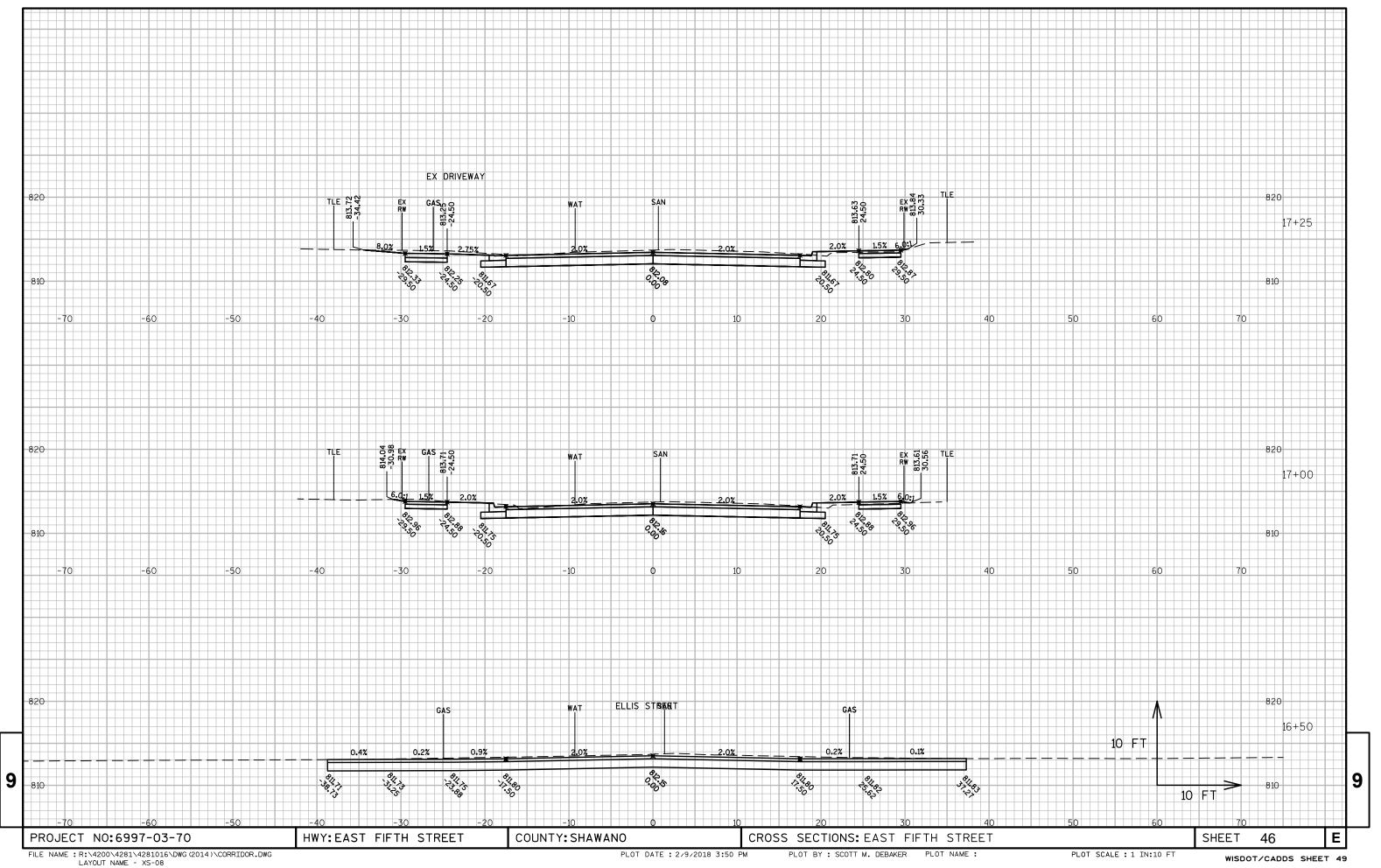


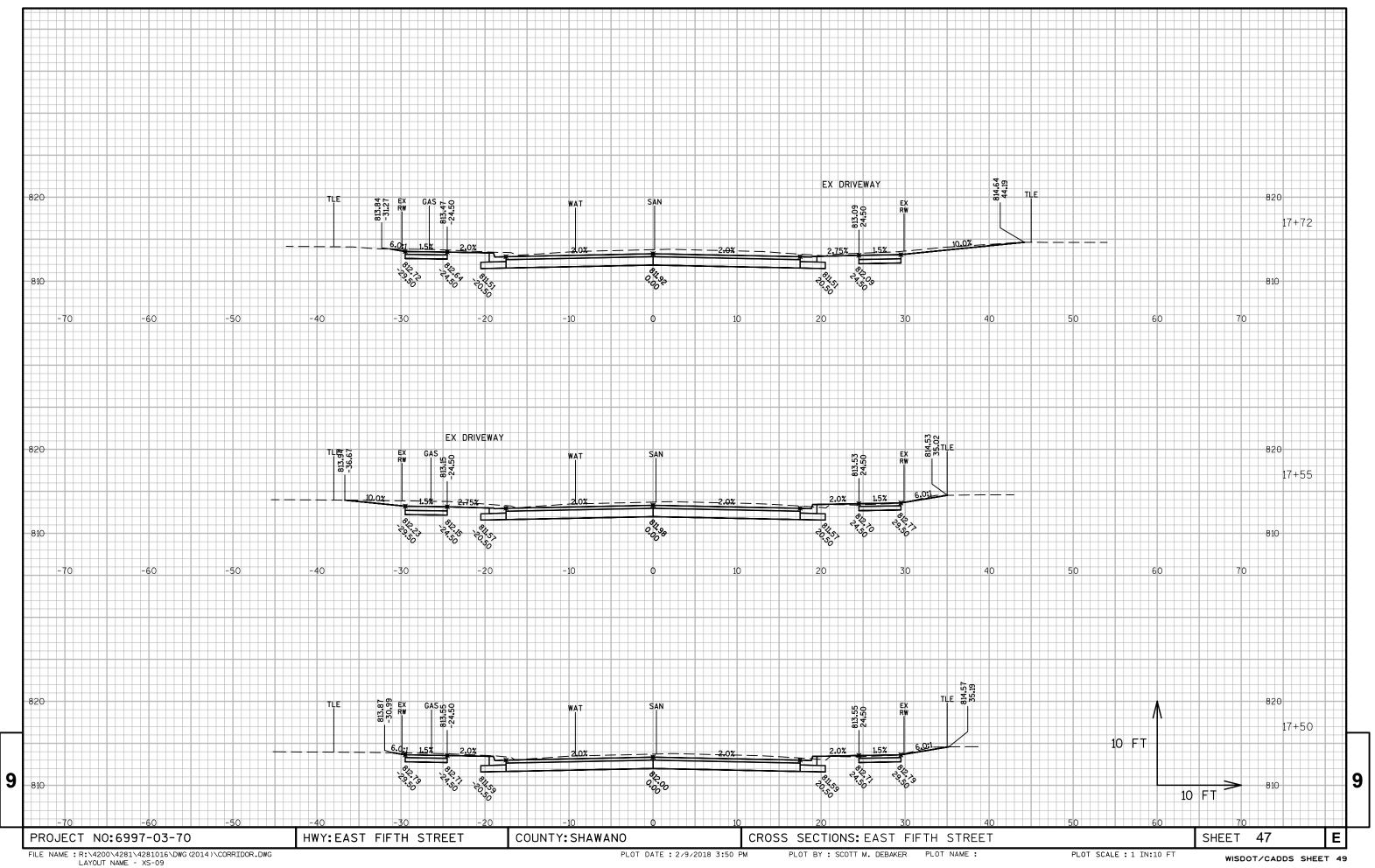


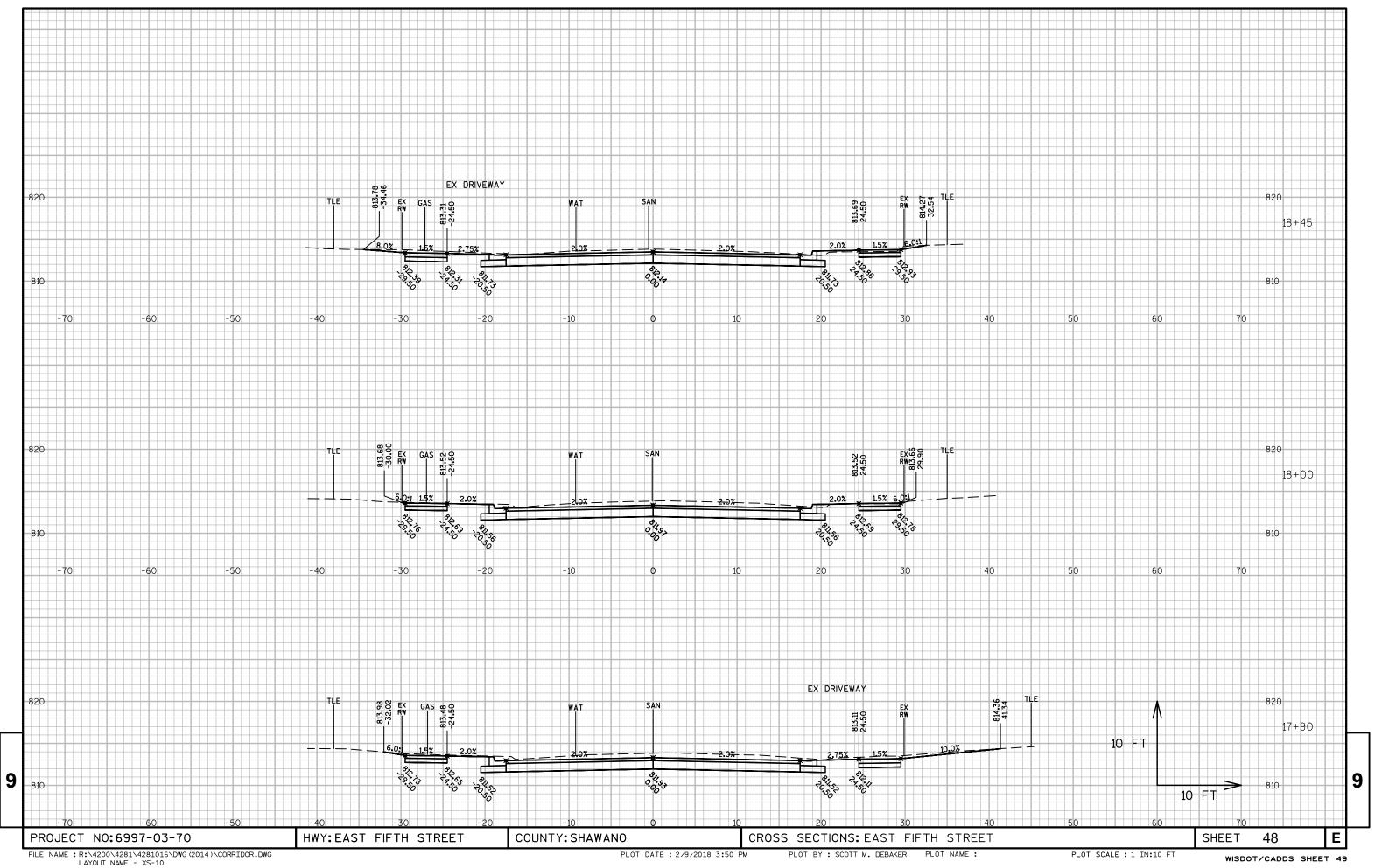


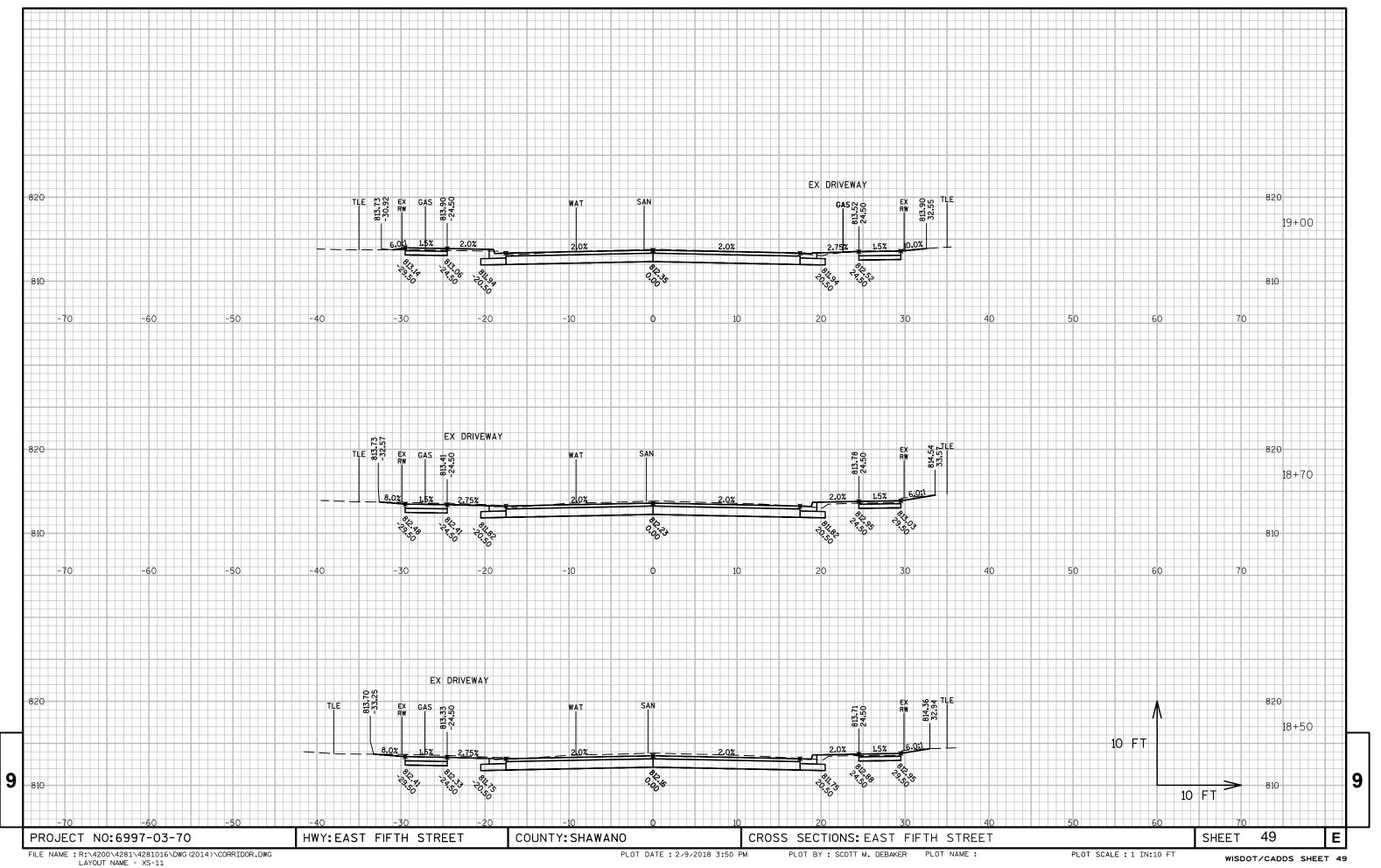


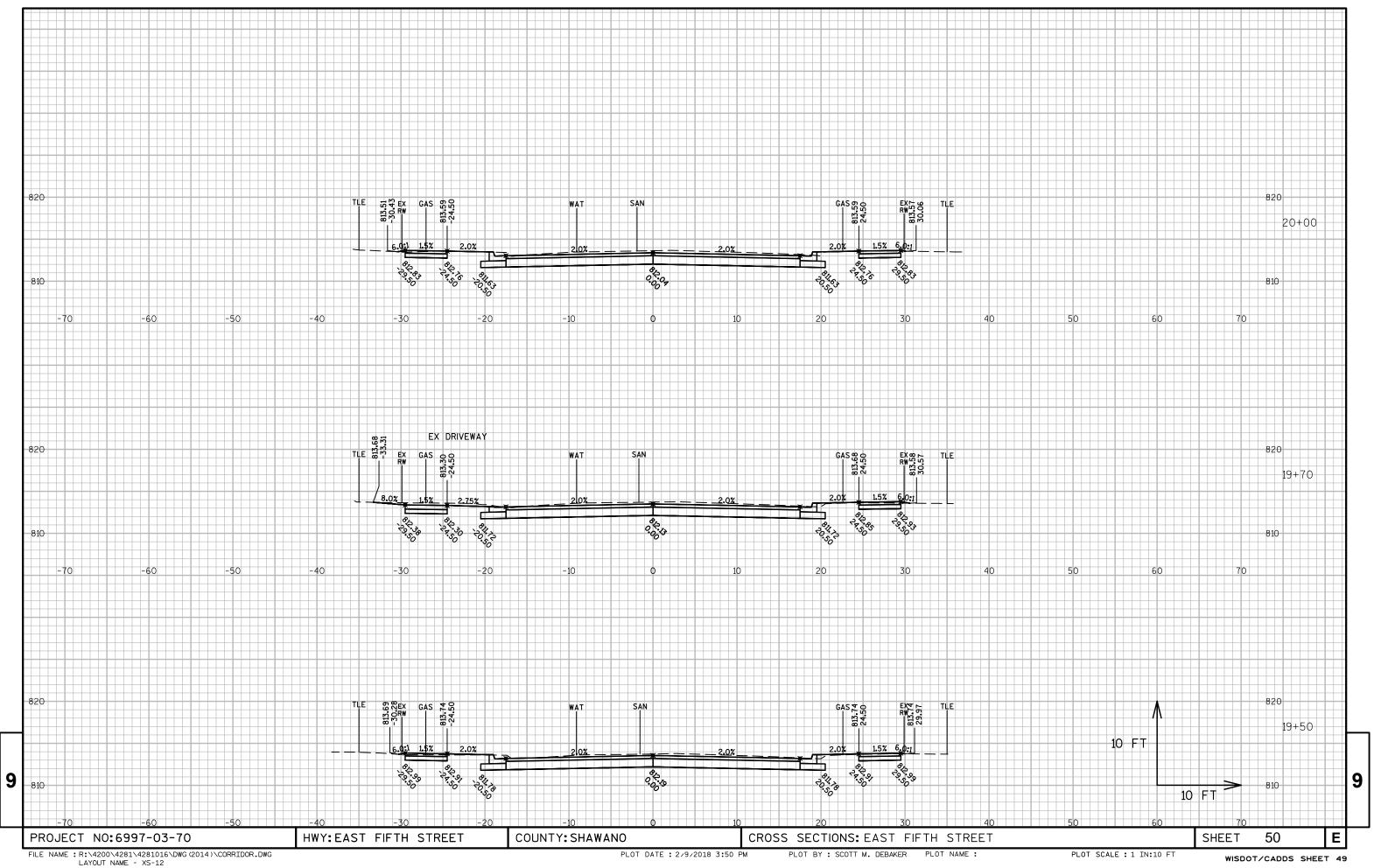


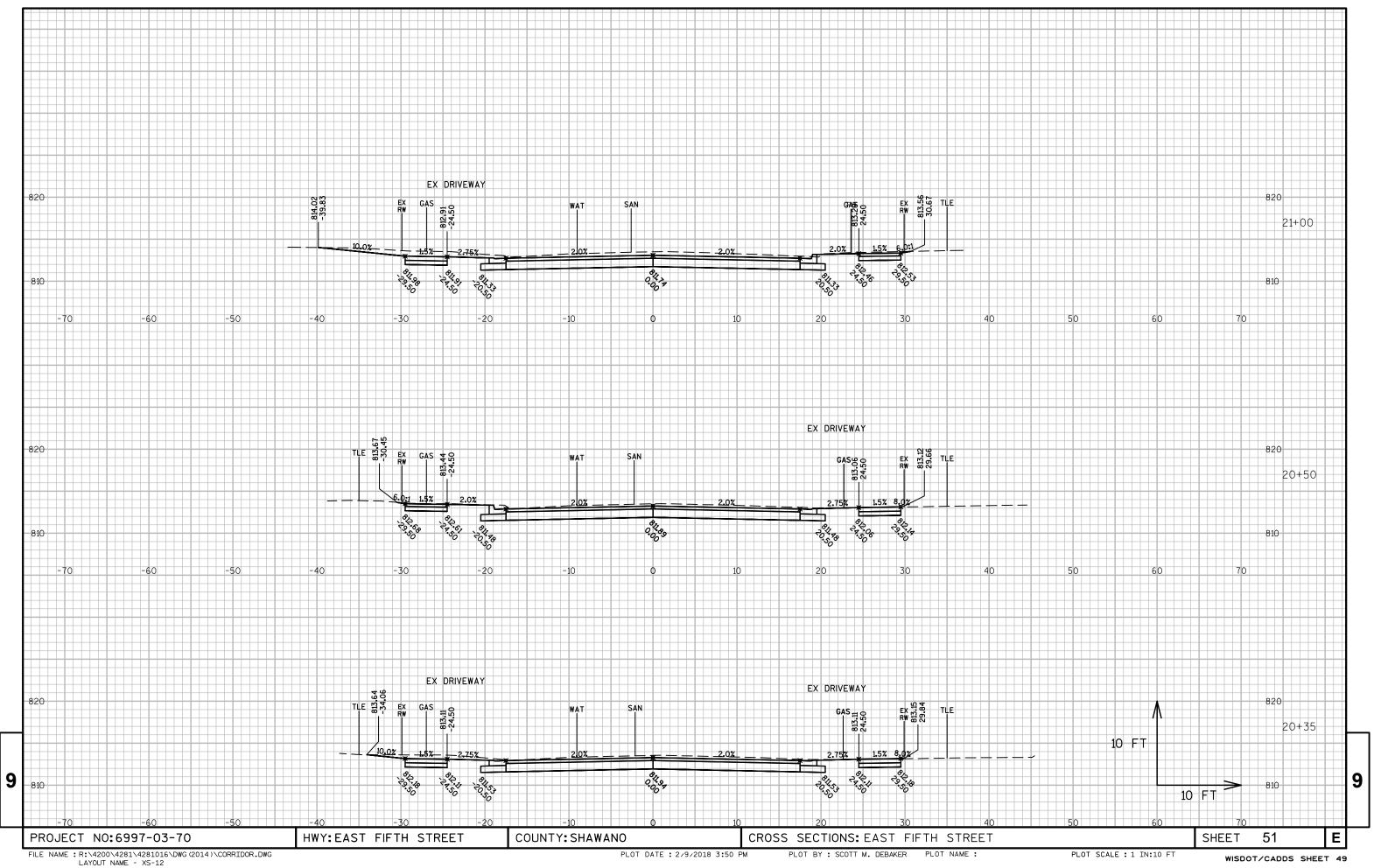


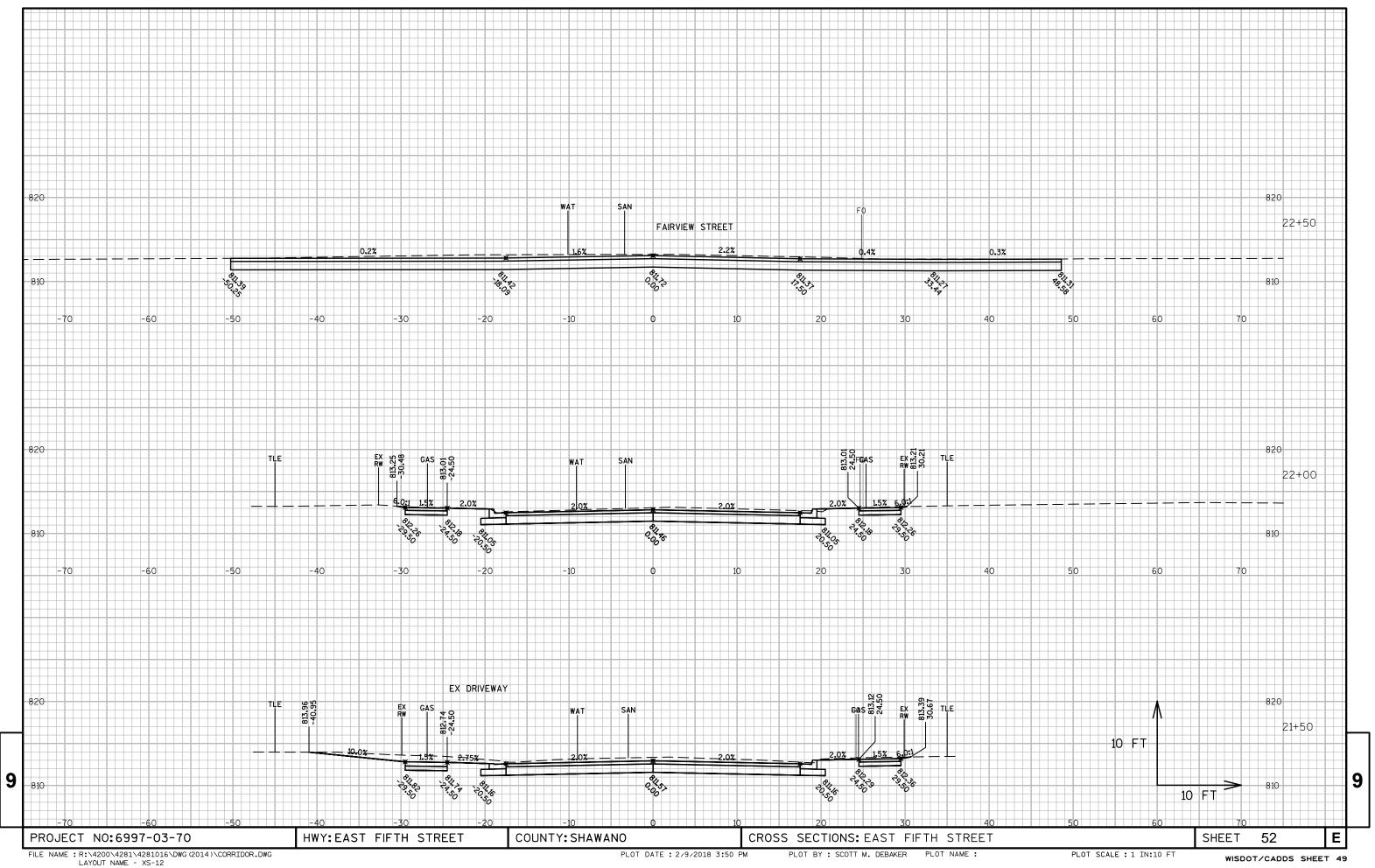


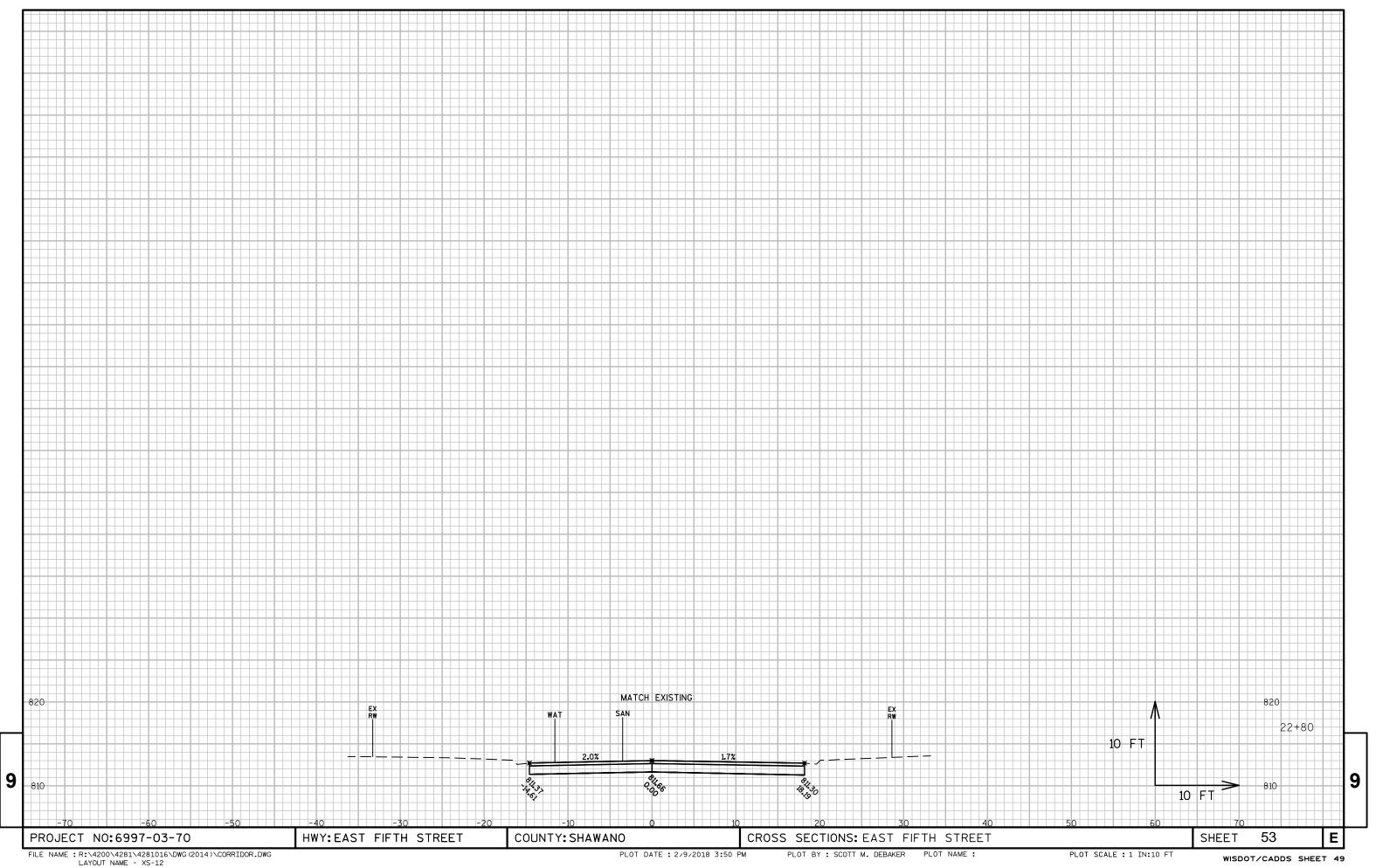


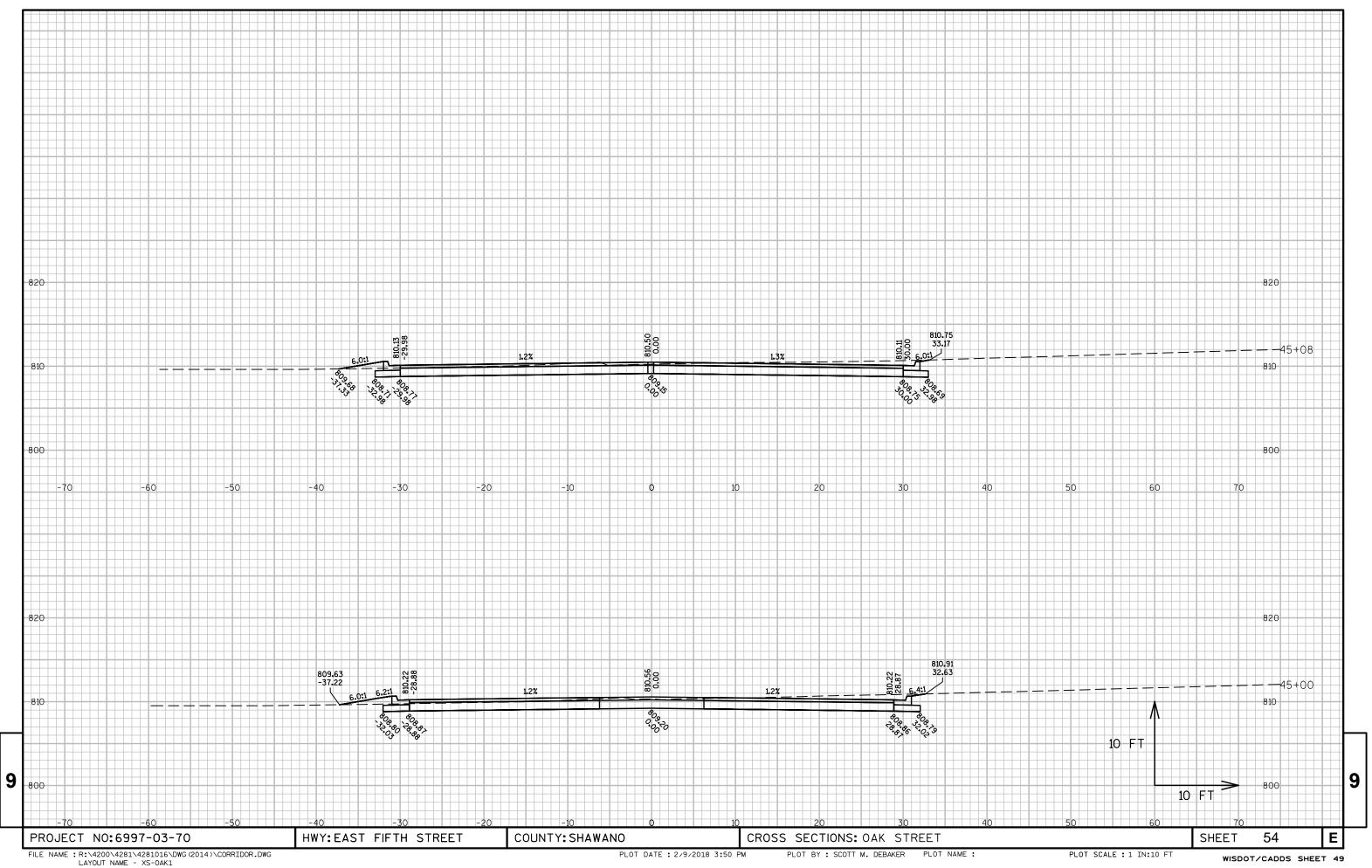


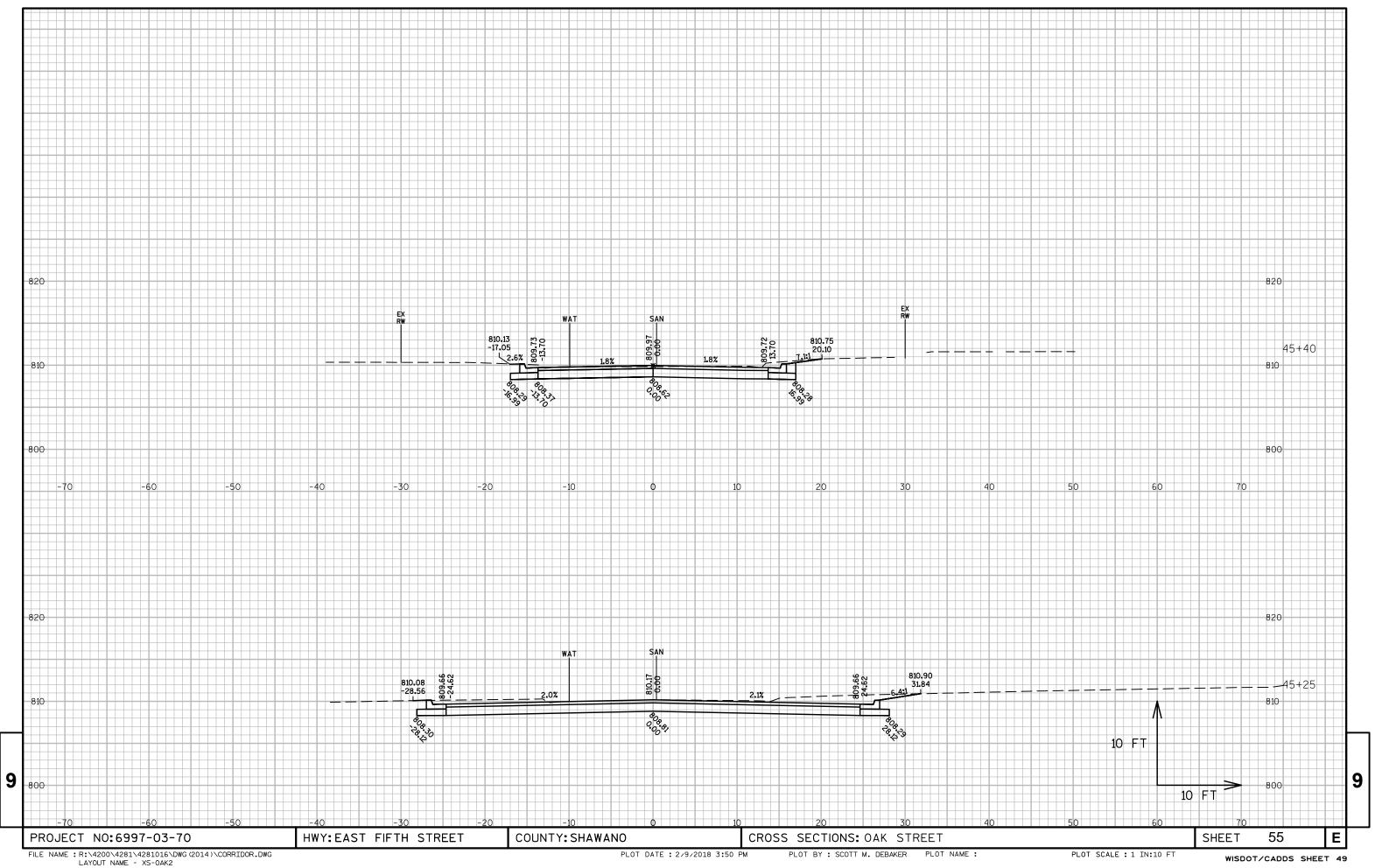


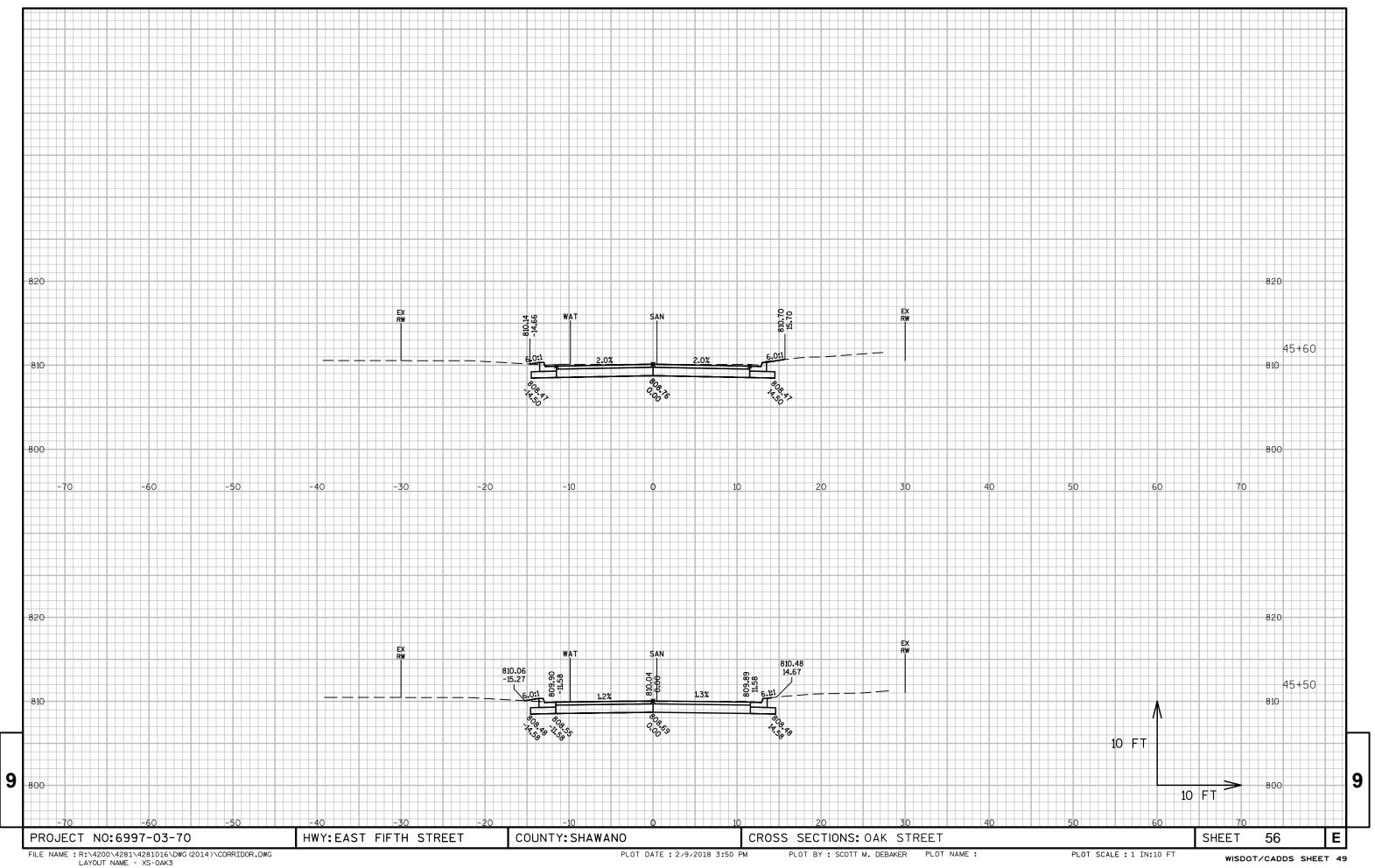














Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov