MAY 2016 FEDERAL PROJECT STATE PROJECT ORDER OF SHEETS STATE OF WISCONSIN **PROJECT** CONTRACT 4992-01-71 Section No. 1 DEPARTMENT OF TRANSPORTATION Typical Sections and Details (Includes Erosion Control Plan) Section No. 2 Section No. 3 Estimate of Quantities Section No. 3 Miscellaneous Quantities PLAN OF PROPOSED IMPROVEMENT Section No. 4 Right of Way Plat Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings C MENASHA, THIRD ST 0 0 Section No. 9 Computer Earthwork Data **LAKE WINNEBAGO SLOUGH & APPROACHES** Section No. 9 Cross Sections **LOC STR** TOTAL SHEETS = 52 WINNEBAGO COUNTY PROJECT LOCATION STATE PROJECT NUMBER 4992-01-71 R 17 E ACCEPTED FOR CITY OF MENASHA ROOSEVELT S END PROJECT **BEGIN PROJECT** STA. 11+20 ORIGINAL PLANS PREPARED BY STA. 8+40 **AYRES** Y=541698.013 X=822958.725 **DESIGN DESIGNATION** CONS A.A.D.T. 2036 = 330 D.H.V. 2036 = 112 D.D. = 59/41 MENASHA CHANNEL = 2.5% DESIGN SPEED = 30 MPH STRUCTURE B-70-323 **ESALS** = 15.000 T 20 N WINNEBA CONVENTIONAL SYMBOLS PLAN PROFILE DOTY ISLAND CORPORATE LIMITS GRADE LINE LAKE WINNEBAGO PROPERTY LINE MARSH OR ROCK PROFILE (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH EXISTING RIGHT OF WAY STATE OF WISCONSIN GRADE ELEVATION PROPOSED OR NEW R/W LINE DEPARTMENT OF TRANSPORTATION CULVERT (Profile View) SLOPE INTERCEPT PREPARED BY UTILITIES AYRES ASSOCIATES REFERENCE LINE Surveyor ELECTRIC AYRES ASSOCIATES Dealgne EXISTING CULVERT FIBER OPTIC PROPOSED CULVERT JT ENGINEERING (Box or Pipe) SANITARY SEWER COMBUSTIBLE FLUIDS STORM SEWER 2000 FT TELEPHONE WATER MARSH AREA HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, WINNEBAGO COUNTY, NADB3 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. UTILITY PEDESTAL TOTAL NET LENGTH OF CENTERLINE = 0.053 MI. POWER POLE WOODED OR SHRUB AREA TELEPHONE POLE FILE NAME : N:\C3D\45040300 THIRD STREET\SHEETSPLAN\010101\_TI.DWG PLOT NAME :

### **GENERAL NOTES**

THE LOCATION OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

FILL EXPANSION FACTOR IS 30%. PROPERTY LINES AS SHOWN ARE APPROXIMATE. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER. BEARINGS SHOWN ON THIS PLAN ARE TRUE BEARINGS TO THE NEAREST SECOND. ALL TIES ON THIS PLAN ARE HORIZONTAL UNLESS DESCRIBED OTHERWISE. PLACE EROSION CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN.

THE EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SUBGRADE SHOULDER POINTS ARE TO BE FERTILIZED, SEEDED, AND EROSION MAT AS DIRECTED BY THE ENGINEER.

ELEVATIONS SHOWN ON THE ROADWAY CROSS SECTIONS ARE SUBGRADE ELEVATIONS AT THE CENTERLINE OF THE ROADWAY.

ALL ELEVATIONS ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD 88 (2012).

WISDOT WILL FURNISH A BENCHMARK MONUMENT TO BE SET BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER IN THE FIELD

SAW CUT LOCATIONS SHOWN ON THE PLAN ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD. THE LINE OF SUCH SAW CUTS WILL BE NEATLY DELINEATED THROUGH THE ASPHALT WITHOUT ANY DAMAGE TO THE REMAINING PORTION OF THE EXISTING PAVEMENT. FERTILIZER NOT TO BE PLACED WITHIN 20' OF LAKE WINNEBAGO SLOUGH.

### UTILITIES

*WE ENERGIES-GAS  800 S. LYNDALE DRIVE PO BOX 1699 APPLETON, WI. 54912-1699 ATTN: MR. CODY BECKMAN E-MAIL: CODY.BECKMAN@WE-ENERGIES.COM	TELEPHONE MOBILE	920-380-3422 920-428-1038	*TIME WARNER CABLE  3520 EAST DESTINATION DRIVE APPLETON, WI 54911 ATTN: MR. VINCE ALBIN E-MAIL: VINCE.ALBIN@TWCABLE.COM
*MENASHA UTILITIES-ELECTRIC 321 MILWAUKEE STREET P.O. BOX 340 MENASHA, WI 54952-0340 ATTN: MR. GREG SHULL E-MAIL: GSHULL@WPPIENERGY.ORG	TELEPHONE MOBILE	920-967-3430 920-475-4733	* WE ENERGIES-ELECTRIC  800 S. LYNDALE DRIVE PO BOX 1699 APPLETON, WI. 54912-1699 ATTN: MR. ZACH DUGA E-MAIL: ZACHARY DUGA@WE-ENERGIES.COM
* MENASHA UTILITIES-WATER 321 MILWAUKEE STREET PO BOX 340 MENASHA, WI 54952-0340 ATTN: MR. SCOTT MAUER E-MAIL: SMAUER@WPPIENERGY.ORG	TELEPHONE MOBILE	920-967-3400 920-707-3733	* AT&T  221 W. WASHINGTON ST. FLOOR 4  APPLETON, WI 54911  ATTN: MR. JOE KASSAB E-MAIL: JK572K@ATT.COM
* CITY OF MENASHA-SEWER  140 MAIN STREET  MENASHA, WI 54952	TELEPHONE	920-967-3610	
ATTN: MR. MARK RADTKE-DIRECTOR OF PUBLIC	WORKS		*-MEMBER OF DIGGER'S HOTLINE

<sup>\*-</sup>MEMBER OF DIGGER'S HOTLINE

# www.DiggersHotline.com

### RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
	А			В			С			D		
	SLOPE	RANGE	(PERCENT)	SL0PE	SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08	.16 .30	.22 .38	.12	.20 .34	.27	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24	.19 .25	.22	.26 .33	.20 .26	.23	.30 .37	.20 .27	.25	.30
SIDE SLOPE- TURF			.25 .32			.27 .34			.28			.30
PAVEMENT:									•	•		•
ASPHALT						.7095						
CONCRETE						.8095						
BRICK		•		_		.7080						
DRIVES, WALKS				•		.7585						
R00FS						.7595						
GRAVEL ROADS,	SHOULDE	RS				.4060						

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.25 ACRES SOIL GROUP C

### STANDARD ABBREVIATIONS

	920-831-9249 920-378-0444	ADT AC AGG ASPH BM C/L	AVERAGE DAILY TRAFFIC ASPHALT CEMENT AGGREGATE ASPHALT BENCH MARK CENTERLINE	NC PT PC PI PE R	NORMAL CROWN POINT OF TANGENCY POINT OF CURVATURE POINT OF INTERSECTION PRIVATE ENTRANCE RADIUS
TELEPHONE MOBILE	920-380-3458 920-450-9314	CONC CMP CR. D DHV ESALS EXIST	CONCRETE CORRUGATED METAL PIPE CREEK DEGREE OF CURVE DESIGN HOUR VOLUME EQUIVALENT SINGLE AXIS LOADS EXISTING	REM R/L OR RL RCCP RCPSS R.O. R/W STA	REMOVE REFERENCE LINE REINFORCED CONCRETE CULVERT PIPE REINFORCED CONCRETE PIPE STORM SEWER RUNOUT RIGHT-OF-WAY STATION
TELEPHONE MOBILE	920-735-3206 920-202-4002	FE HYD IP L LC LR MH	FIELD ENTRANCE HYDRANT IRON PIPE OR PIN LENGTH OF CURVE LONG CHORD OF CURVE LENGTH OF RUNOFF MANHOLE	SE SS T TEL TLE T VC	SUPER ELEVATION STORM SEWER TANGENT TELEPHONE TEMPORARY LIMITED EASEMENT TRUCKS VERTICAL CURVE WELL

### DEPARTMENT OF NATURAL RESOURCES

WDNR

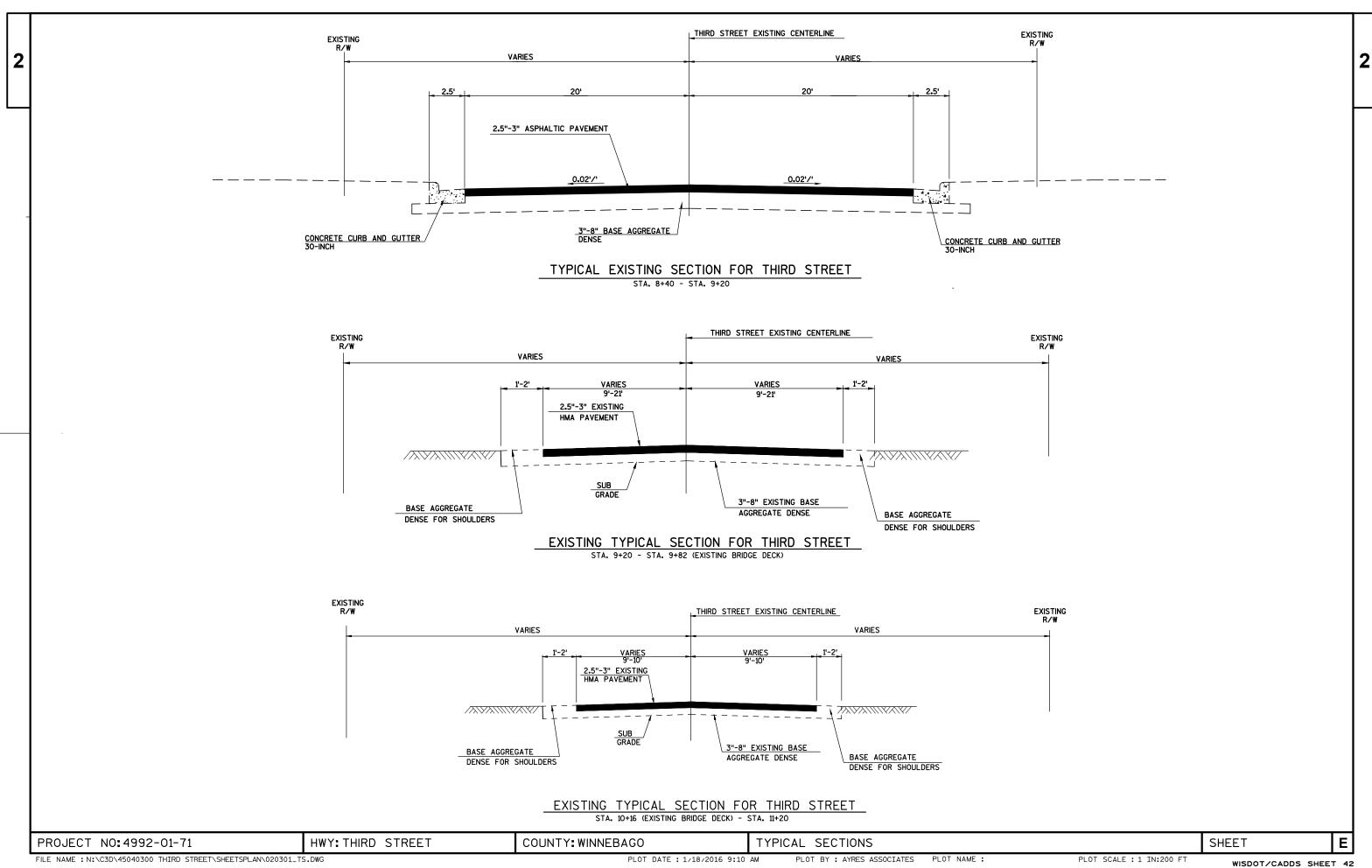
TELEPHONE 920-360-3784

2984 SHAWANO AVE. GREEN BAY, WISCONSIN 54313 ATTENTION: JAY SCHIEFELBEIN E-MAIL: JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV

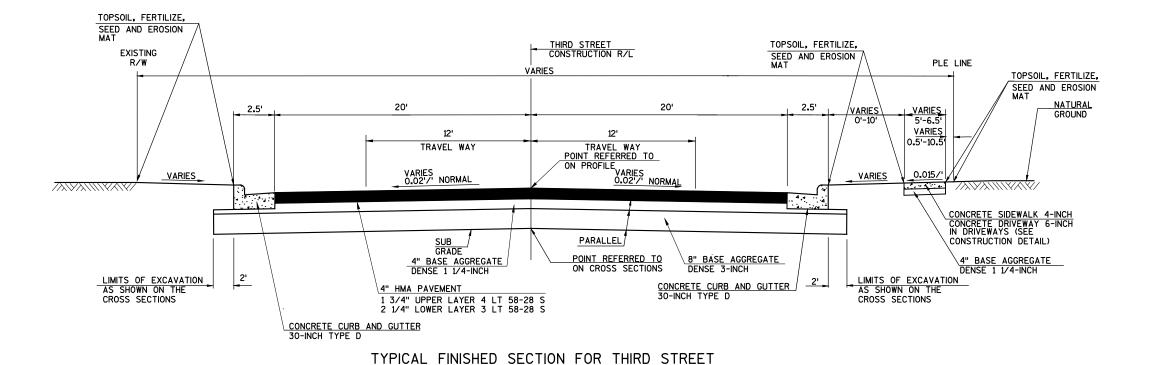
COUNTY: WINNEBAGO PROJECT NO: 4992-01-71 HWY: THIRD STREET GENERAL NOTES SHEET

E-MAIL: MRADTKE@CI.MENASHA.WI.US

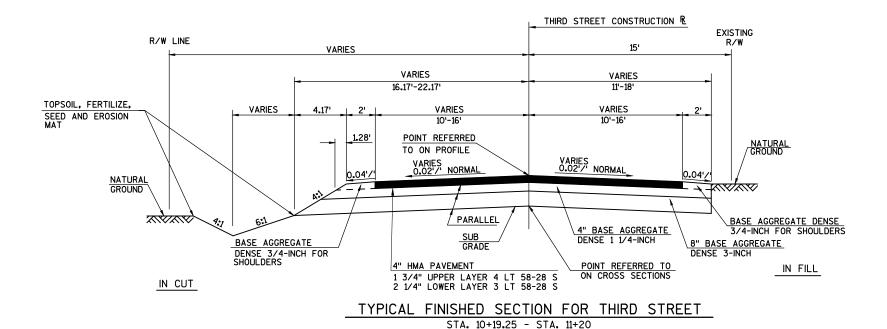
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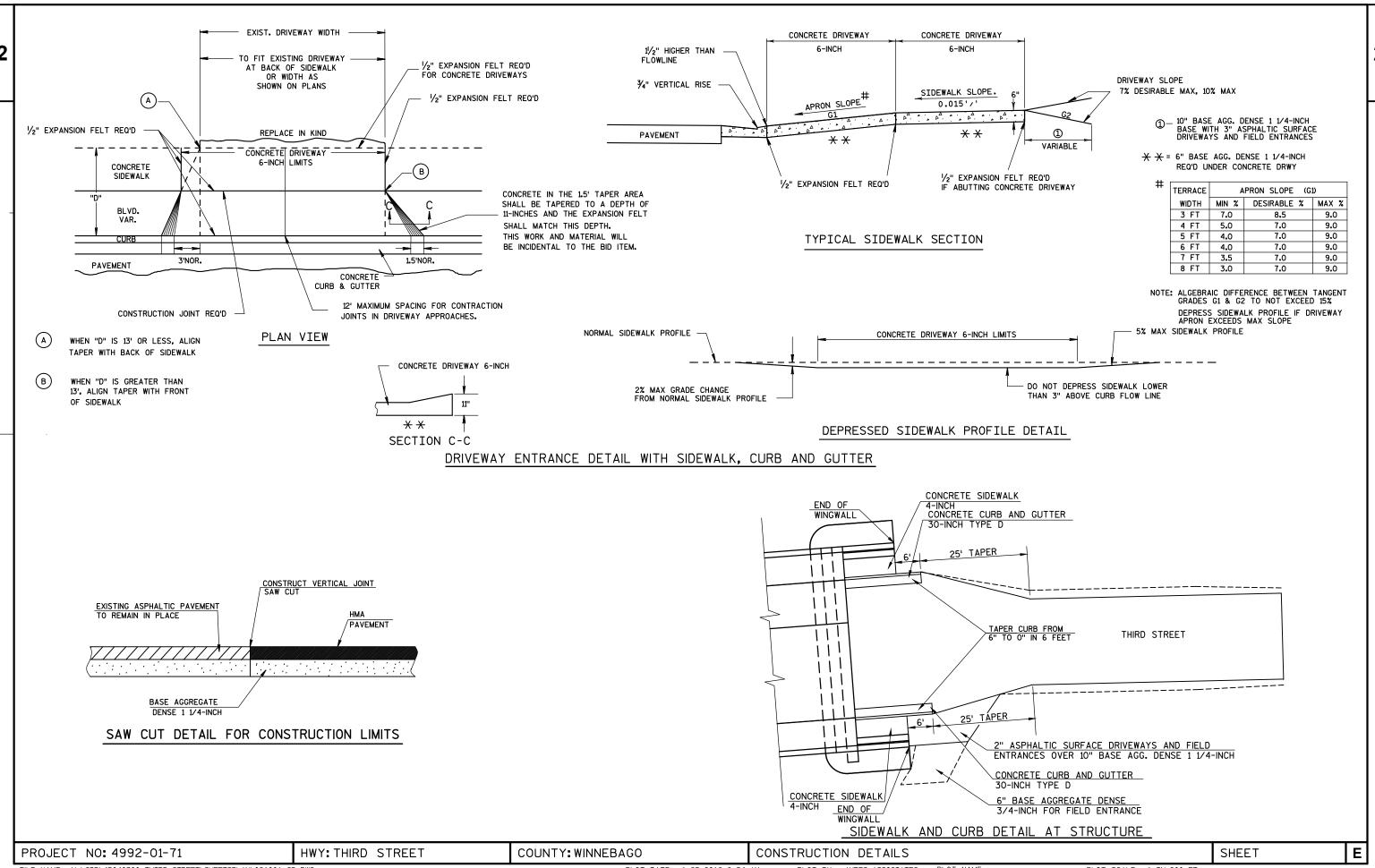




STA. 8+40 - STA. 9+82.75



PROJECT NO:4992-01-71 HWY:THIRD STREET COUNTY:WINNEBAGO TYPICAL SECTIONS SHEET **E** 



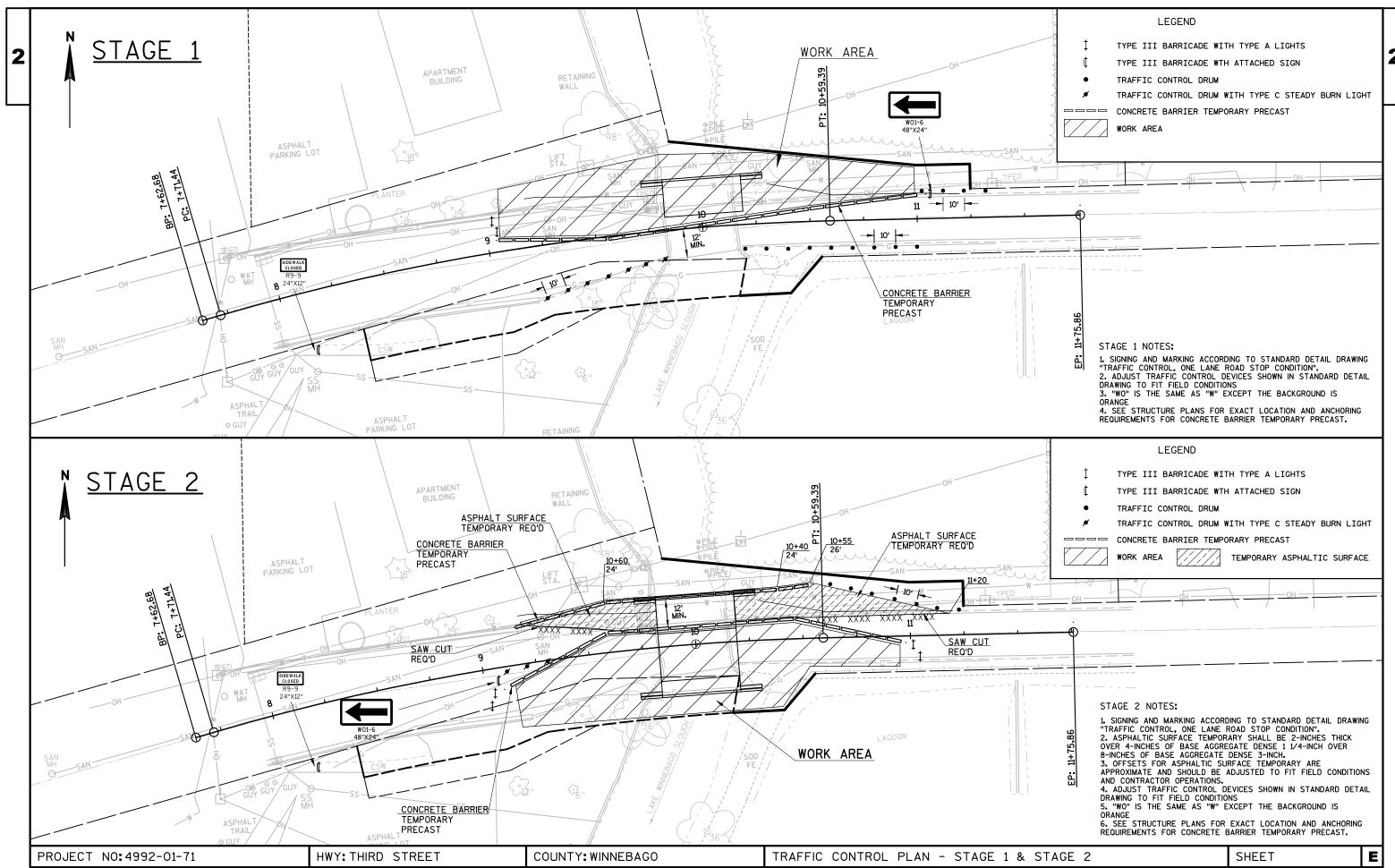
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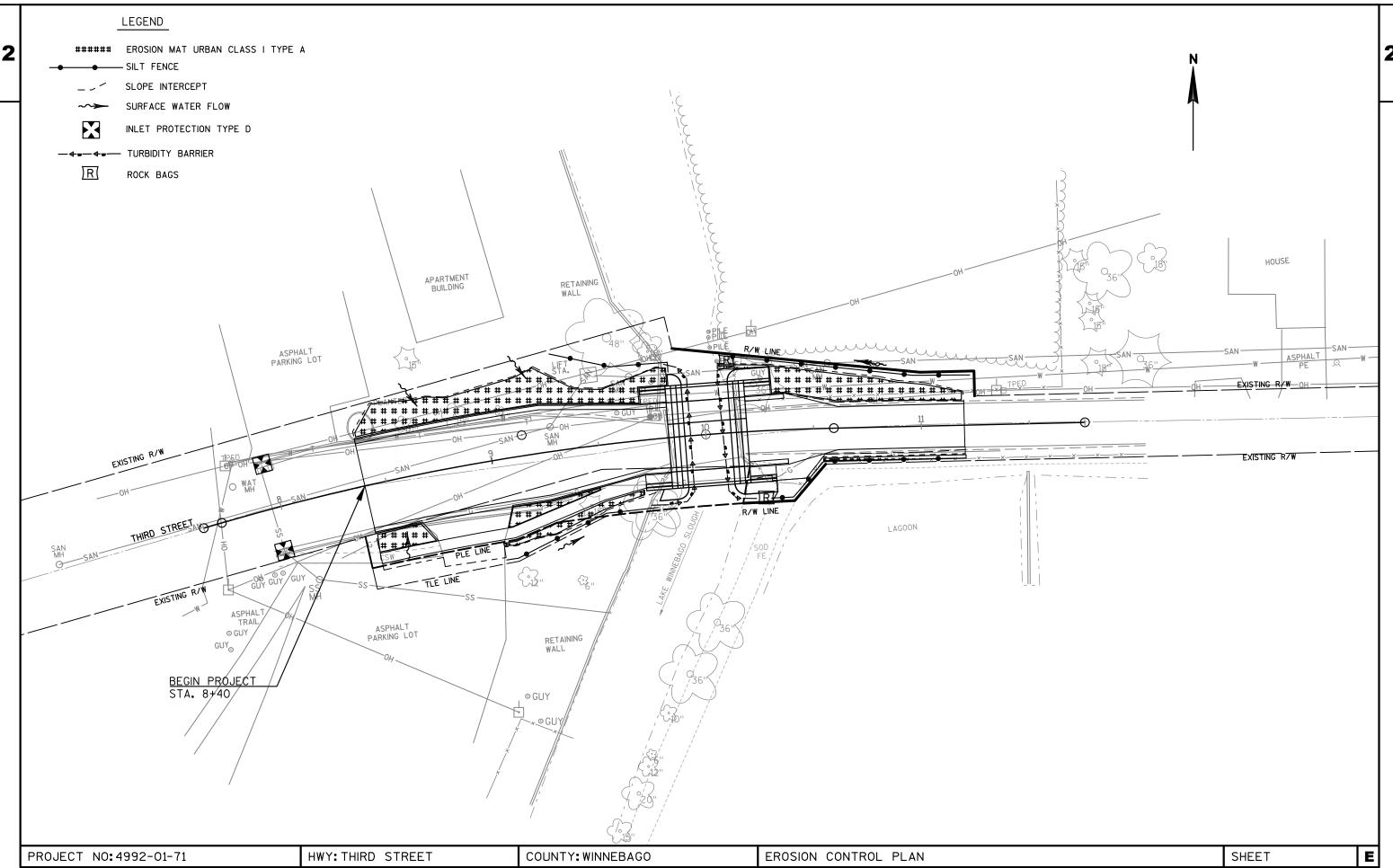
PLOT DATE : 1/25/2016 6:54 AM

PLOT BY: AYRES ASSOCIATES PLOT NAME:

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42





DATE 01MAR16 LINE		TIMAT	E OF QUAN	T I T I E S 4992-01-71
	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
628. 7020	Inlet Protection Type D	EACH	2.000	2. 000
				20.000
629. 0210	Fertilizer Type B	CWT	0. 600	0. 600
630. 0140	Seeding Mixture No. 40	LB	15. 000	15. 000
				10. 000
				4. 000
				2. 000
642. 5001	Field Office Type B	EACH	1. 000	1. 000
643. 0100	Traffic Control (project) 01. 4992-01-71	EACH	1.000	1. 000
				2, 650. 000
				650. 000
				960. 000
643.0715	Traffic Control Warning Lights Type C	DAY	975.000	975. 000
643. 0900	Traffic Control Signs	DAY	3, 000. 000	3, 000. 000
645. 0120	Geotextile Fabric Type HR	SY	165. 000	165. 000
649. 0400	Temporary Pavement Marking Removable	LF	540.000	540. 000
649. 1400	Temporary Pavement Marking Stop Line	LF	60. 000	60.000
650. 4500		LF	244.000	244. 000
				244. 000
650. 5500		LF	325.000	325. 000
650. 6500	Construction Staking Structure Layout	LS	1.000	1. 000
	(structure) 01. B-70-323			
650. 9910	Construction Staking Supplemental	LS	1.000	1. 000
650. 9920	Construction Staking Slope Stakes	LF	244. 000	244. 000
690. 0150	Sawing Asphal t	LF	225. 000	225. 000
690. 0250	Sawing Concrete	LF	10.000	10.000
715. 0502	Incentive Strength Concrete Structures	DOL	1, 362. 000	1, 362. 000
SPV. 0060	Special 01. Utility Line Opening	EACH	2.000	2. 000
SPV. 0060	Special O2. Adjusting Sanitary Manhole	EACH	2.000	2. 000
	Cover			
	1 TEM 628. 7020 628. 7570 629. 0210 630. 0140 630. 0200 638. 2602 638. 3000 642. 5001 643. 0300 643. 0420 643. 0705 643. 0715 643. 0900 645. 0120 649. 0400 650. 4500 650. 5500 650. 5500 650. 9910 650. 9920 690. 0150 690. 0250 715. 0502 SPV. 0060	ITEM ITEM DESCRIPTION 628.7020 Inlet Protection Type D 628.7570 Rock Bags 629.0210 Fertilizer Type B  630.0140 Seeding Mixture No. 40 630.0200 Seeding Temporary 638.2602 Removing Signs Type II 638.3000 Removing Small Sign Supports 642.5001 Field Office Type B  643.0100 Traffic Control (project) 01. 4992-01-71 643.0300 Traffic Control Barricades Type III 643.0705 Traffic Control Warning Lights Type A 643.0715 Traffic Control Warning Lights Type C  643.0900 Traffic Control Signs 645.0120 Geotextile Fabric Type HR 649.0400 Temporary Pavement Marking Removable Tape 4-Inch 649.1400 Temporary Pavement Marking Stop Line Removable Tape 24-Inch 650.4500 Construction Staking Subgrade  650.5000 Construction Staking Structure Layout (structure) 01. B-70-323 650.9910 Construction Staking Supplemental Control (project) 01. 6498-05-71 650.9920 Construction Staking Slope Stakes  690.0150 Sawing Asphalt 690.0250 Sawing Asphalt 690.0250 Incentive Strength Concrete Structures SPV.0060 Special 01. Utility Line Opening	ITEM DESCRIPTION UNIT 628.7020 Inlet Protection Type D EACH 628.7570 Rock Bags EACH 629.0210 Fertilizer Type B CWT  630.0140 Seeding Mixture No. 40 LB 630.0200 Seeding Temporary LB 638.2602 Removing Signs Type II EACH 643.3000 Removing Small Sign Supports EACH 642.5001 Field Office Type B EACH 643.0100 Traffic Control (project) 01. 4992-01-71 EACH 643.0300 Traffic Control Drums DAY 643.0420 Traffic Control Barricades Type III DAY 643.0705 Traffic Control Warning Lights Type A DAY 643.0715 Traffic Control Warning Lights Type A DAY 643.0705 Traffic Control Warning Lights Type C DAY  643.0900 Traffic Control Signs DAY 645.0120 Geotextile Fabric Type HR SY 649.0400 Temporary Pavement Marking Removable LF Tape 4-Inch 649.1400 Temporary Pavement Marking Stop Line LF Removable Tape 24-Inch 650.4500 Construction Staking Subgrade LF 650.5000 Construction Staking Subgrade LF 650.5000 Construction Staking Structure Layout (structure) 01. B-70-323 650.9910 Construction Staking Structure Layout (Structure) 01. B-70-323 650.9910 Construction Staking Supplemental LS Control (project) 01. 6498-05-71 650.9920 Construction Staking Slope Stakes LF  690.0150 Sawing Asphalt LF 690.0250 Sawing Asphalt LF 690.0250 Sawing Concrete Structures DOL SPV.0060 Special 01. Utility Line Opening EACH SPV.0060 Special 01. Utility Line Opening EACH SPV.0060 Special 01. Adjusting Sanitary Manhole	ITEM

STATION	то	STATION	LOCATION	201.0205 GRUBBING STA
8+40	-	11+65	THIRD STREET	4

**TOTAL** 

**GRUBBING** 

### REMOVING CURB AND GUTTER

	STATION	ТО	STATION	LOCATION	204.0150 LF		
•	8+40 8+40	-	9+20 9+20	THIRD STREET, LT THIRD STREET, RT	80 80		
		TOTAL			160		

REI	MO	ΝI	٧G	FΕ	NC

STATION	то	STATION	LOCATION	204.0170 LF
10+20	-	11+25	THIRD STREET, LT	130
	TOTAL			130

### EARTHWORK SUMMARY

Division	From/To Station	Location	Common Excavation (item #205.0100) Cut	Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13) Factor 1.30	Mass Ordinate +/- (14)	Waste
1	9+20 - 11+20 TEMPORARY WIDENING - STAGE 1 TRAFFIC CONTROL		55	0	55	0	0	55	55
	9+20 - 11+20	REMOVAL OF TEMPORARY WIDENING OUTSIDE OF RECONSTRUCTION WIDTH - STAGE 2 TRAFFIC CONTROL	20	5	15	0	0	15	20
	8+40 - 11+20	ROADWAY RECONSTRUCTION - STAGE 3 TRAFFIC CONTROL	400	82	318	42	55	263	345
		TOTALS	475	87	388	42	55	333	420

<sup>4)</sup> Unusable Pavement Material = Existing Asphaltic Pavement (To Be Wasted)

### REMOVING CONCRETE SIDEWALK

STATION	TO	STATION	LOCATION	204.0155 SY
8+40	-	8+70	THIRD STREET, RT	17
	TOTAL			17

### BASE AGGREGATE DENSE AND WATER

STATION	то	STATION	LOCATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON	305.0130 3-INCH TON	624.0100 WATER MGAL	COMMENT
8+40		9+82.75	THIRD STREET	_	180	330	5	
	-						3	TEMPODA DV MUDENINO
9+20	-	9+82.75	THIRD STREET	-	20	35	1	TEMPORARY WIDENING
10+19.25	-	11+20	THIRD STREET	-	30	55	1	TEMPORARY WIDENING
10+19.25	-	11+20	THIRD STREET	20	70	140	3	
7	OTALS	S		20	300	560	10	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

PROJECT NUMBER: 4992-01-71 HWY: THIRD STREET COUNTY: WINNEBAGO MISCELLANEOUS QUANTITIES SHEET **E** 

<sup>5)</sup> Available Material = Cut - Unusable Pavement Material

<sup>13)</sup> Expanded Fill. Factor = 1.3 Expanded Fill = Unexpanded Fill \* Fill Factor

<sup>14)</sup> 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.

### DRILLED TIE BARS

 STATION	LOCATION	416.0610 EACH	REMARKS			
8+40 8+40	THIRD STREET, LT THIRD STREET, RT	2 2	TIE INTO EXISTING CURB & GUTTER TIE INTO EXISTING CURB & GUTTER			
	TOTAL	4				

### HMA PAVEMENT & ASPHALTIC SURFACE

STATION	то	STATION	LOCATION	455.0605 TACK COAT GAL	460.4000 HMA COLD WEATHER PAVING	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0120 DRIVEWAYS AND FIELD ENTRANCES TON
8+40 10+19.25	-	9+82.75 11+20	THIRD STREET THIRD STREET	30 15	35 15	78 37	60 30	10 5
-	TOTALS	3		45	50	115	90	15

#### ASPHALTIC SURFACE

STATION	то	STATION	LOCATION	465.0125 ASPHALTIC SURFACE TEMPORARY TON	COMMENTS
9+20 10+19	-	9+82.75 11+20	THIRD STREET THIRD STREET	15 20	TEMPORARY WIDENING TEMPORARY WIDENING
-	TOTALS	3		35	

#### CONCRETE SIDEWALK & DRIVEWAY

STATION	то	STATION	LOCATION	602.0405 SIDEWALK 4-INCH SF	416.0160 DRIVEWAY 6-INCH SY	
8+40	-	9+82.75	THIRD STREET, RT	580	60	
7	TOTALS	6		580	60	

### CONCRETE CURB AND GUTTER 30-INCH TYPE ${\color{red} D}$

STATION	ТО	STATION	LOCATION	601.0411 LF
8+40 8+40 10+19.25 10+19.25	- - -	9+82.75 9+82.75 10+37 10+37	THIRD STREET, LT THIRD STREET, RT THIRD STREET, LT THIRD STREET, RT	147 142 18 18
-	TOTALS	3		325

### TOPSOIL, FERTILIZER, AND SEED

STATION	ТО	STATION	LOCATION	625.0100 TOPSOIL	629.0210 FERTILIZER TYPE B	630.0140 SEEDING MIXTURE NO. 40	630.0200 SEEDING TEMPORARY
				SY	CWT	LB	LB
8+40	-	9+82.75	THIRD STREET, LT	211	0.2	4	_
8+40	_	9+82.75	THIRD STREET, RT	103	0.1	2	_
10+19.25	-	11+20	THIRD STREET, LT	152	0.1	3	-
10+19.25	-	11+20	THIRD STREET, RT	34	0.1	1	-
UNE	DISTRIBU	TED	,	50	0.1	5	10
	TOTALS			550	0.6	15	10

### FENCE SAFETY

STATION	то	STATION	LOCATION	616.0700.S LF
8+40	-	9+75	THIRD STREET, LT	140
9+00	-	9+75	THIRD STREET, RT	70
UND	ISTRIB	JTED		90
	TOTALS	6		300

- FERTILIZER NOT TO BE PLACED WITHIN 20' OF LAKE WINNEBAGO SLOUGH.
- TEMPORARY SEEDING TO BE PLACED ONLY ON TEMPORARY STOCKPILES AND TEMPORARY EMBANKMENTS, IF NEEDED.

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

PROJECT NUMBER: 4992-01-71 HWY: THIRD STREET COUNTY: WINNEBAGO MISCELLANEOUS QUANTITIES SHEET **E** 

SILT FENCE

LOCATION

STATION

TO

STATION

628.1504

LF

628.1520

LF

SILT FENCE MAINTENANCE

### ROCK BAGS INLET PROTECTION REMOVING SIGNS & SUPPORTS

TO

STATION

EROSION MAT URBAN CLASS I TYPE A

STATION

LOCATION

628.2006

SY

STATION	LOCATION	628.7570 EACH	STATION	LOCATION	628.7015 TYPE C EACH	628.7020 TYPE D EACH	REMARKS	_	STATION	LOCATION	638.2602 SIGNS TYPE II	638.3000 SMALL SIGN SUPPORTS
10+30	THIRD STREET, LT & RT UNDISTRIBUTED	10 10	7+95	THIRD STREET, LT & RT	_	2	WEST OF PROJECT LIMITS	_			EACH	EACH
				UNDISTRIBUTED	2	-	WEST ST TROSEST EMMIS		9+82	THIRD STREET	2	2
	TOTAL	20		TOTAL	0	2		_	10+16	THIRD STREET	2	-
				IOIAL	2	2			TOTALS		4	2

<sup>-</sup> OTHER EXISTING SIGNS & SUPPORTS WITHIN THE PROJECT TO BE REMOVED BY THE CITY OF MENASHA

STATION

WEST ABUTMENT

TURBIDITY BARRIERS

LOCATION

THIRD STREET

628.6005

SY

85

85

170

#### TRAFFIC CONTROL SUMMARY

	APPROXIMATE		603.8125 E BARRIER RY PRECAST	643.03 DRUM		643.04 BARRICA TYPE	DES	643.07 WARNING TYPE	LIGHTS	643.07 WARNING TYPE	LIGHTS	643.09 SIGN		
LOCATION	SERVICE DAYS	DELIVERED LF	INSTALLED LF	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	
STAGE 1	35	200	200	20	700	4	140	6	210	7	245	25	875	SEE TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION DETAIL
STAGE 2	60	130	330	10	600	6	360	10	600	3	180	25	1,500	SEE TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION DETAIL
STAGE 3	25	-	-	30	750	6	150	6	150	10	250	25	625	SEE TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION DETAIL
INDISTRIBUTED	60	-	-	10	600	-	-	-	-	5	300	-	-	
TOTALS		330	530		2,650		650		960		975		3,000	

<sup>-</sup> STAGE 3 USE BARRELS TO DIRECT TRAFFIC. TRAFFIC MAY BE REDUCE TO ONE LANE. SHIFT CONDITIONS AS NECESSARY TO CONSTRUCT RAILING/BRIDGE SIDEWALK ON NORTH SIDE AND/OR ROADWAY.

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

E
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### TEMPORARY PAVEMENT MARKING

LOCATION	649.0400 REMOVABLE TAPE 4-INCH LF	649.1400 STOP LINE REMOVABLE TAPE 24-INCH LF
STAGE 1 STAGE 2 STAGE 3 UNDISTRIBUTED	140 300 - 100	30 30 - -
TOTALS	540	60

- DURING STAGE 3 ROADWAY RECONSTRUCTION IS ANTICIPATED THEREFORE TEMPOARY PAVEMENT MARKING WILL NOT BE ABLE TO BE INSTALLED ON BASE AGGREGATE.

### CONSTRUCTION STAKING

STATION	ТО	STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB & GUTTER LF	650.6500 STRUCTURE LAYOUT LS	650.9910 SUPPLEMENTAL CONTROL LS	650.9920 SLOPE STAKES LF	CATEGORY
8+40 10+19.25	- -	9+82.75 11+20	THIRD STREET THIRD STREET	143 101	143 101	289 36	- -	1 -	143 101	0010 0010
S	UBTOTAL	LS		244	244	325	0	1	244	0010
	10+00		THIRD STREET	-	-	-	1	-	-	0020
S	UBTOTAL	LS		0	0	0	1	0	0	0020
	TOTALS			244	244	325	1	1	244	

### <u>SAWING</u>

STATION	LOCATION	ASPHALT 690.0150 LF	CONCRETE 690.0250 LF
0 : 40	TUDD OTDEET	00	40
8+40	THIRD STREET	39	10
9+50	THIRD STREET, LT	66	-
10+50	THIRD STREET, LT	100	-
11+20	THIRD STREET	20	-
	TOTAL	225	10

### UTILITY LINE OPENINGS

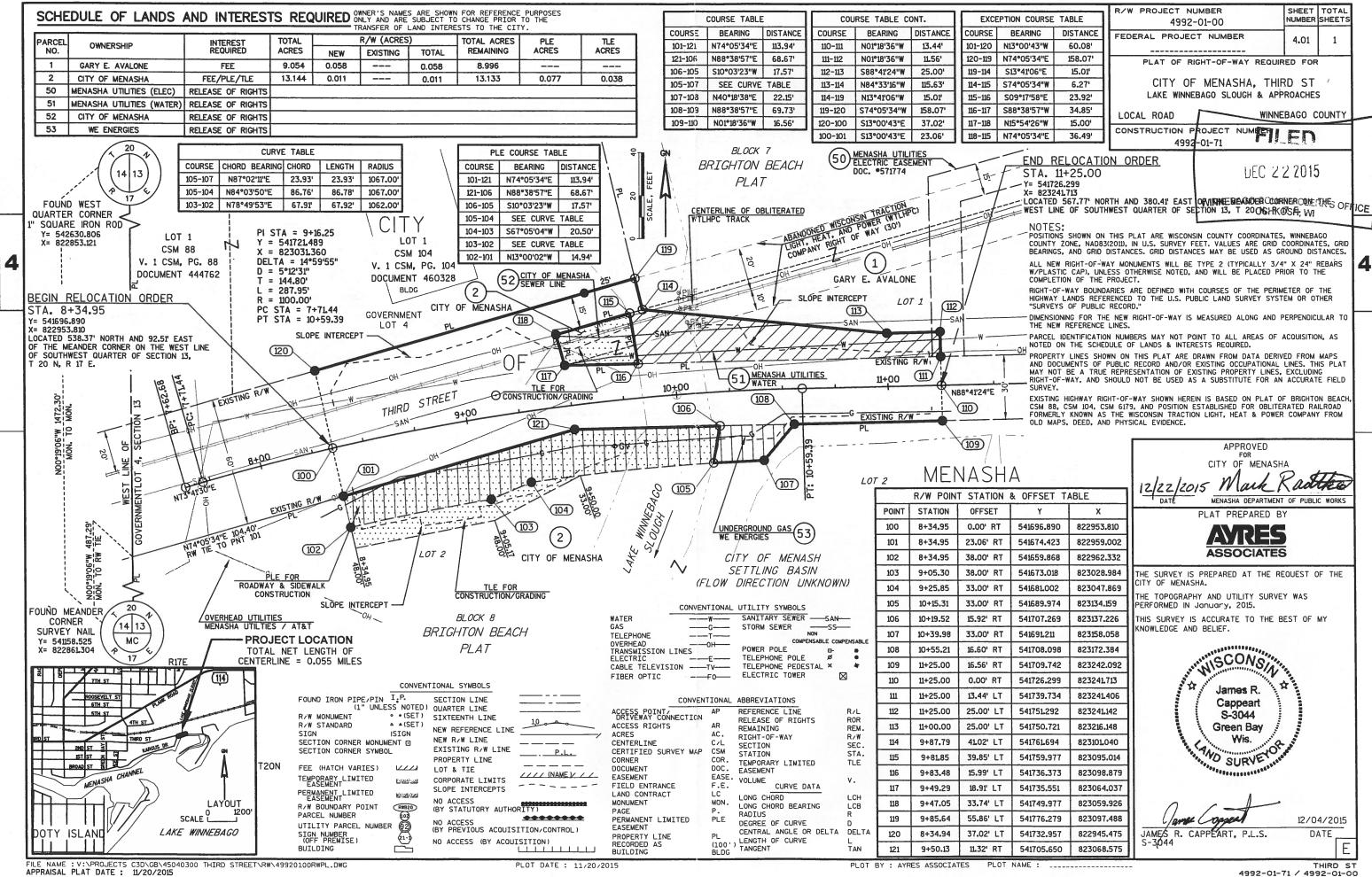
STATION	LOCATION	SPV.0060.01	REMARKS
		EACH	
9+75 10+25	THIRD STREET, RT THIRD STREET, RT	1 1	LOCATING GAS LINE LOCATING GAS LINE
	TOTAL	2	

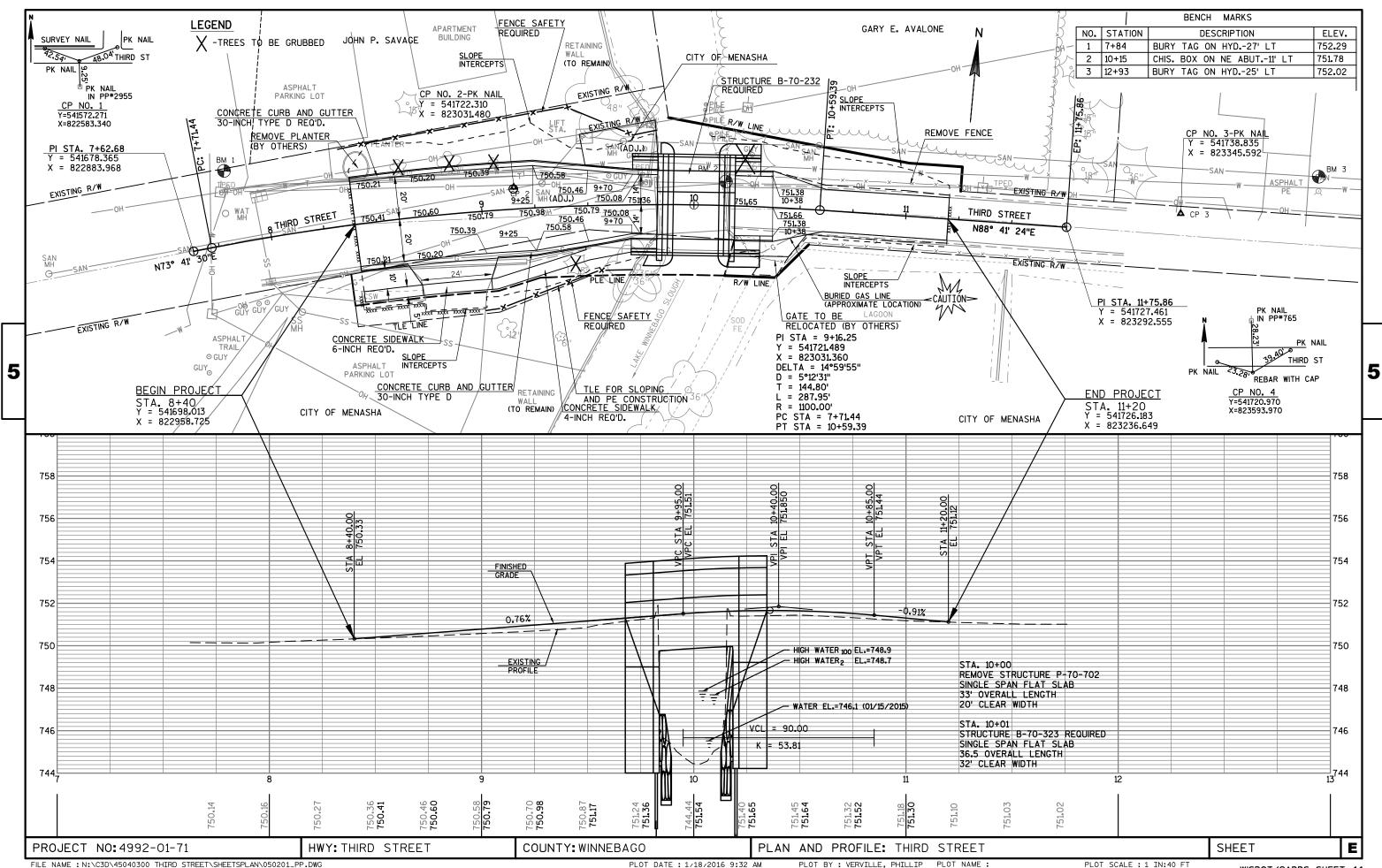
### ADJUSTING SANITARY MANHOLE COVER

STATION	LOCATION	SPV.0060.02 EACH	CATEGORY
9+29 9+67	THIRD STREET, LT THIRD STREET, LT	1 1	0030 0030
TOTAL		2	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

PROJECT NUMBER: 4992-01-71 HWY: THIRD STREET COUNTY: WINNEBAGO MISCELLANEOUS QUANTITIES SHEET **E** 

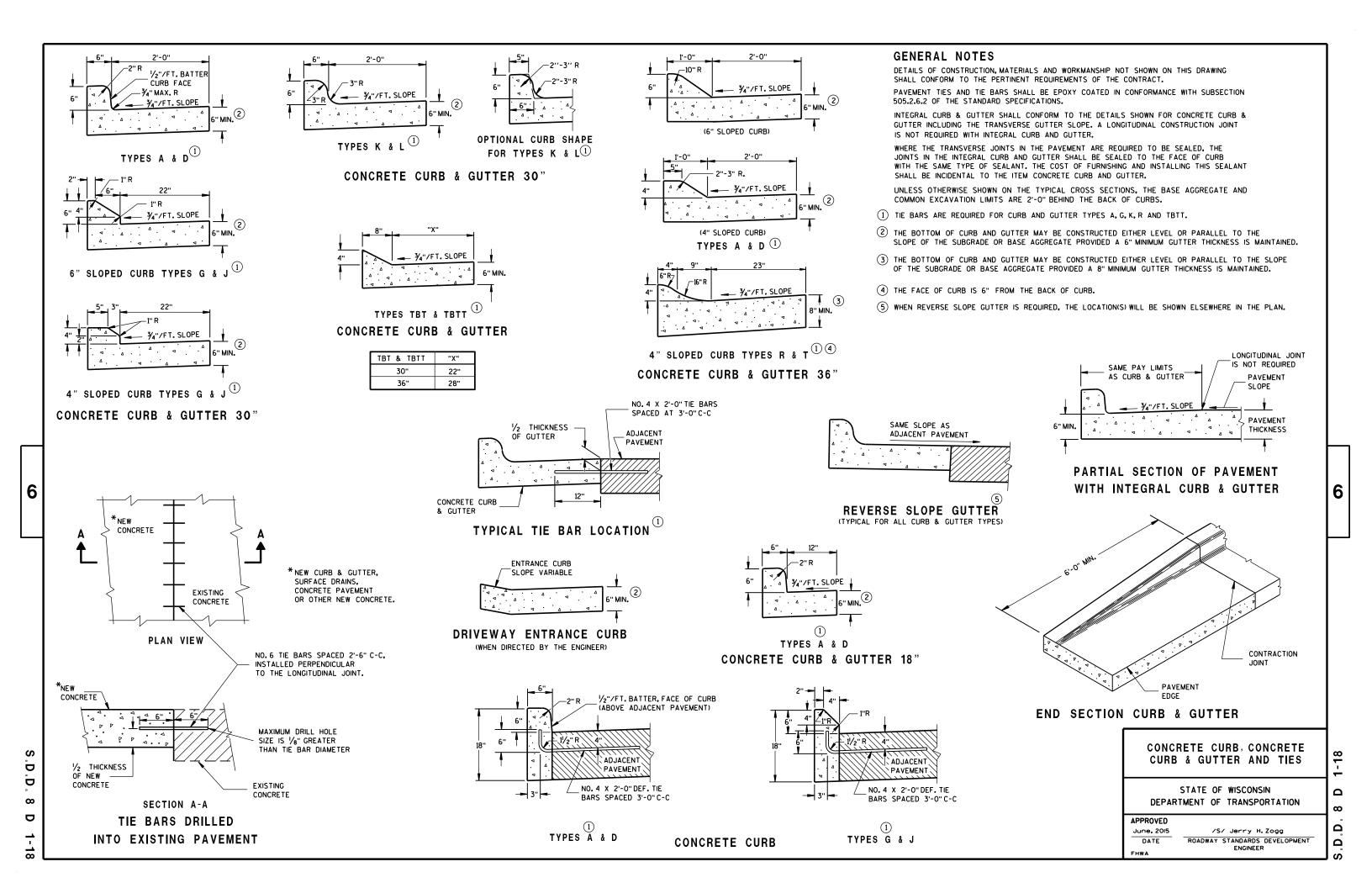




### Standard Detail Drawing List

08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBI DI TY BARRI ER
12A03-10	NAME PLATE (STRUCTURES)
14B07-14A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D32-04	TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION

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### TYPICAL APPLICATION OF SILT FENCE

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## PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



### **GENERAL NOTES**

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

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



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

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

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INLET PROTECTION, TYPE A

### **GENERAL NOTES**

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

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

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

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



### INLET PROTECTION, TYPE C (WITH CURB BOX)

#### **INSTALLATION NOTES**

### TYPE B & C

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

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

#### TYPE D

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

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

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

#### INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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### **GENERAL NOTES**

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

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- 2 SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT, H. EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.
- (4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE 02 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.





SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

### TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER  $\infty$ 

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### TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

### **GENERAL NOTES**

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- (2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SPREAD OPEN SO THE TOP OF LUG IS 11/4" WIDE

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

### NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

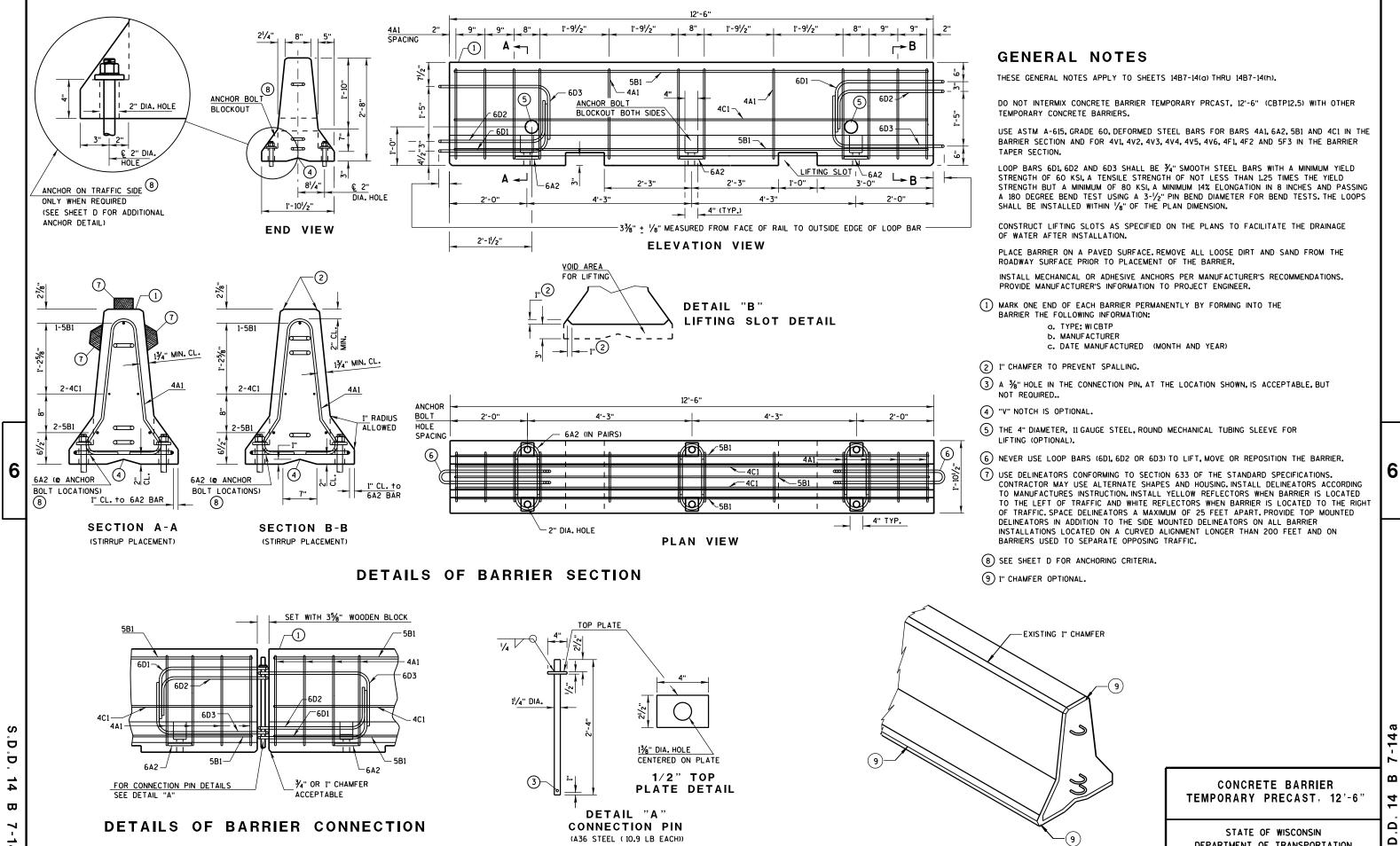
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3/26/IO /S/ SCOT BECKET

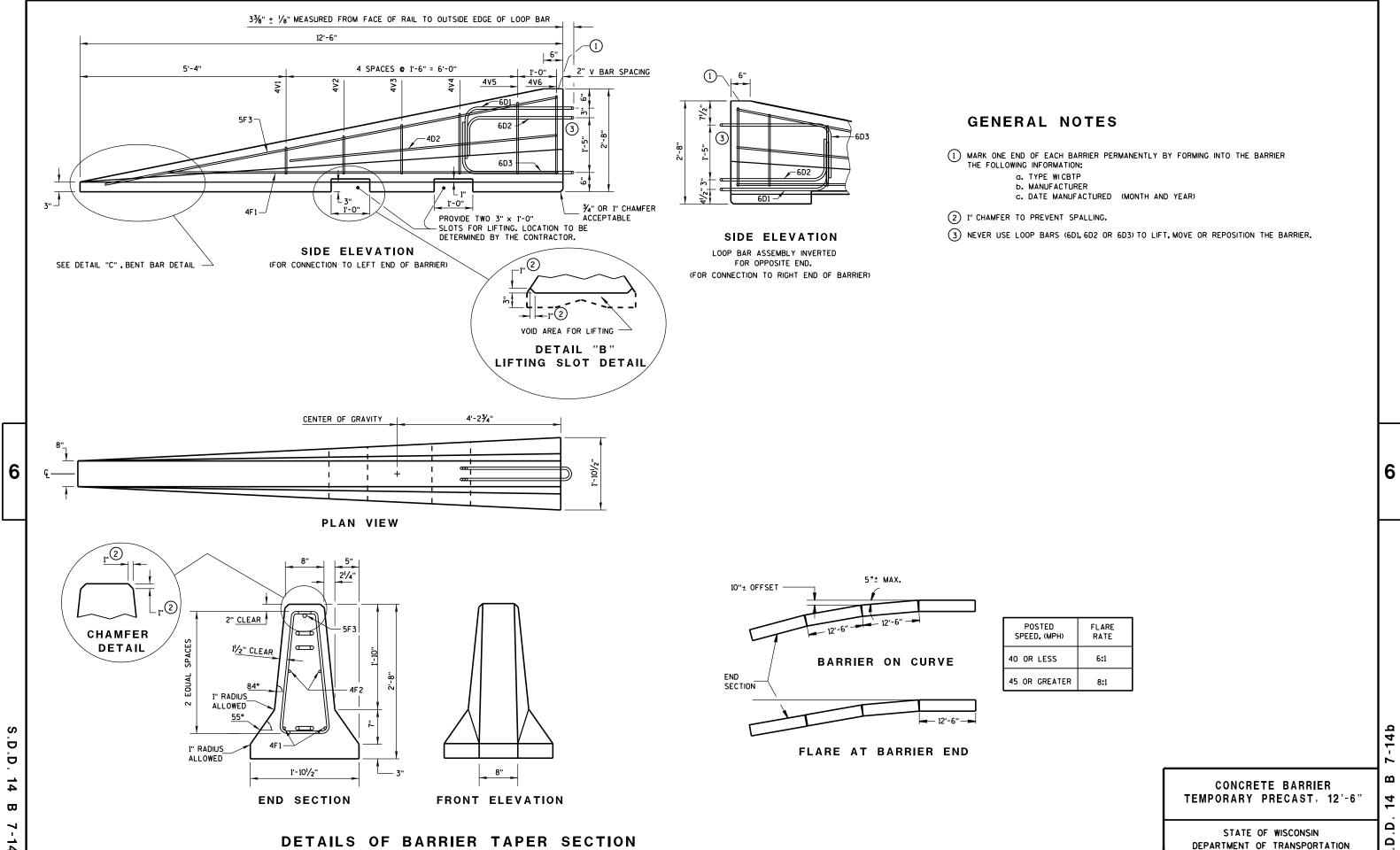
CHIEF STRUCTURAL DEVELOPMENT ENGINEER

D.D. 12 A

3-10



DEPARTMENT OF TRANSPORTATION



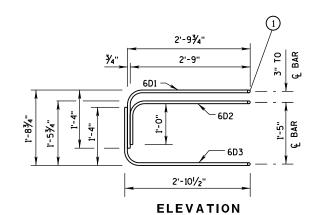
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1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

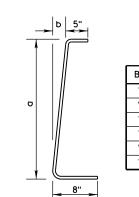
### BARRIER TAPER SECTION BILL OF MATERIALS

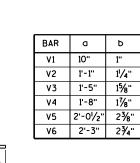
(PER 12'-6" BARRIER TAPER SECTION)

TEN IE O BANNEN PAREN SEOTION						
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.			
4V1	4	2	1'-11"			
4V2	4	2	2'-2"			
4٧3	4	2	2'-6"			
4V4	4	2	2'-9"			
4V5	4	2	3'-2"			
4V6	4	2	3'-4"			
4F1	4	2	12'-0"			
4F2	4	2	7'-6"			
5F3	5	1	11'-9"			
LOOP ASSEMBLY						
6D1	6	1	8'-5"			
6D2	6	1	7'-7"			
6D3	6	1	8'-6"			
		•	•			



LOOP BAR ASSEMBLY





DETAIL "C" BENT BAR DETAIL

2" MIN. CLEAR

2" MIN. CLEAR

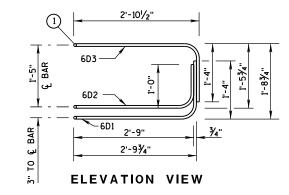
4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

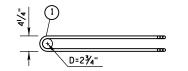
TAPER BARRIER SECTION

### BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

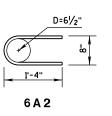
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.					
4A1	4	12	6'-0"					
6A2	6	6	2'-11"					
5B1	5	3	12'-2"					
4C1	4	2	12'-2"					
LOOP ASSEMBLY								
6D1	6	2	8'-5"					
6D2	6	2	7'-7"					
6D3	6	2	8'-6"					

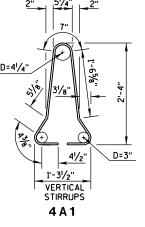




PLAN VIEW Loop bar assembly

(MARKED END SHOWN, INVERT FOR OTHER END)





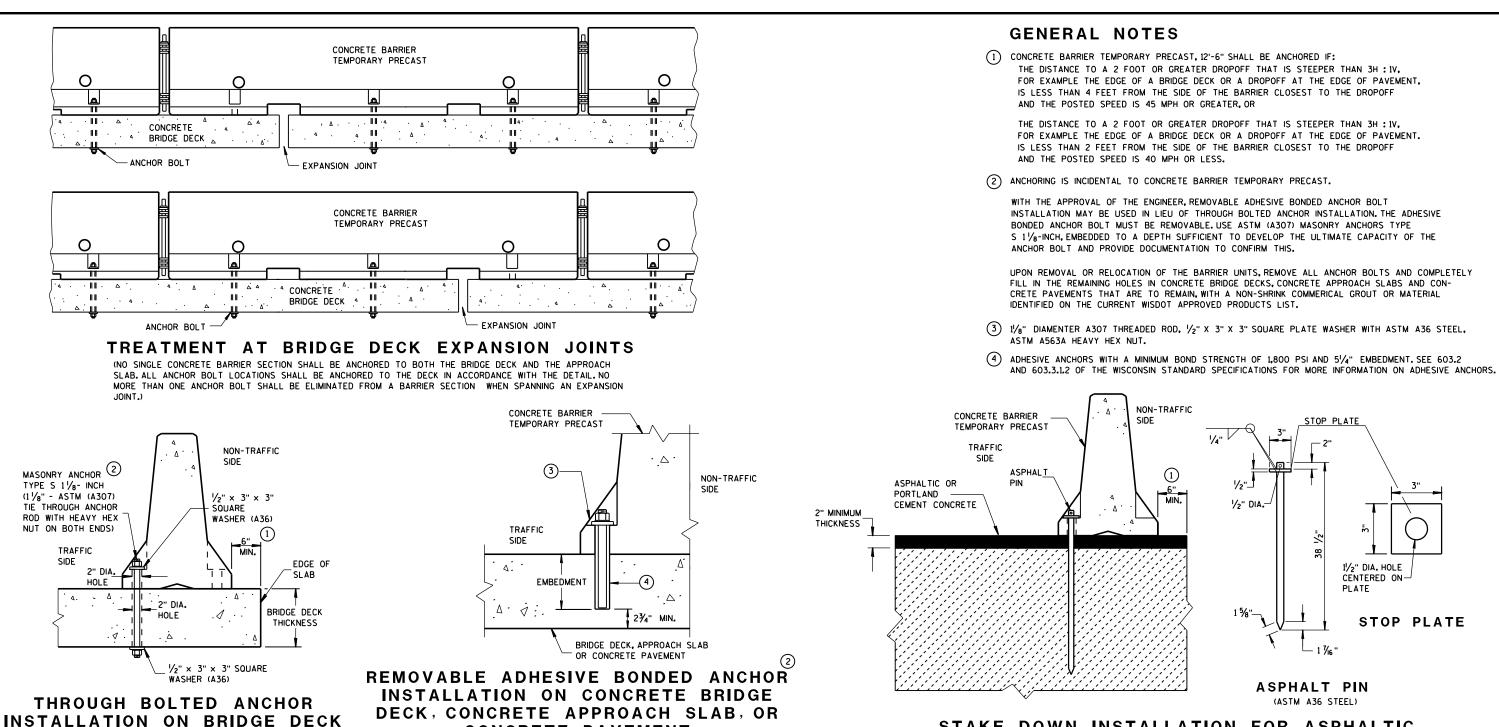
### BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

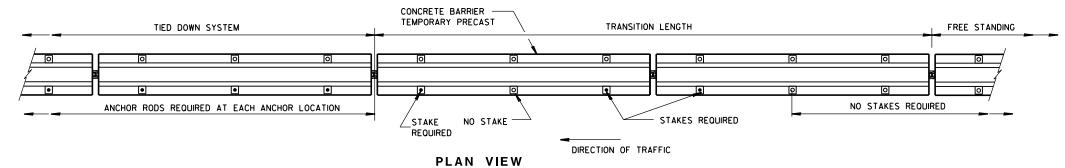
.D.D. 14 B 7-14c

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### STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



**CONCRETE PAVEMENT** 

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

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 $\Box$ 

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY, IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN,)

**CONCRETE BARRIER** TEMPORARY PRECAST, 12'-6"

11/2" DIA. HOLE

CENTERED ON-

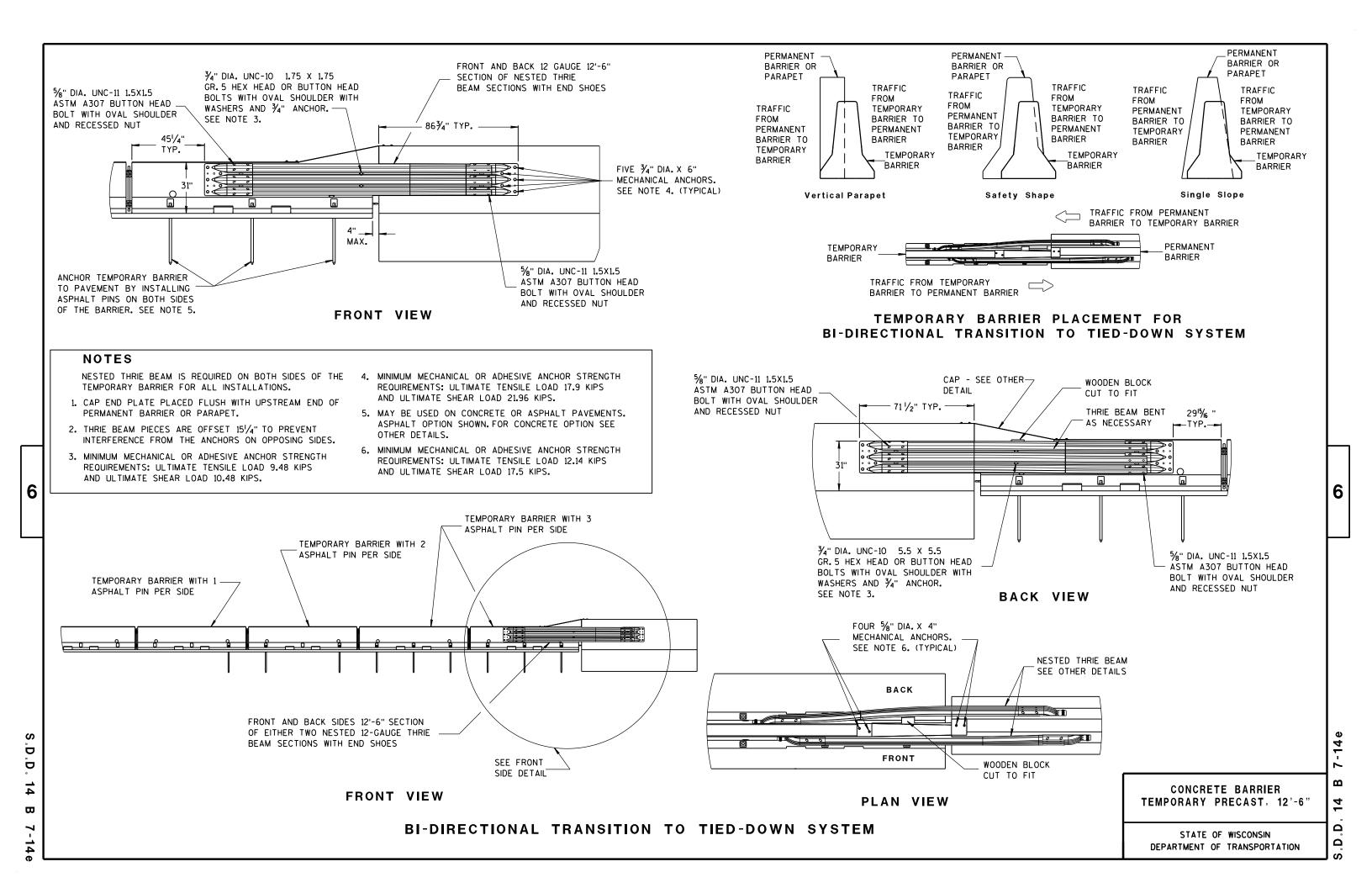
STOP PLATE

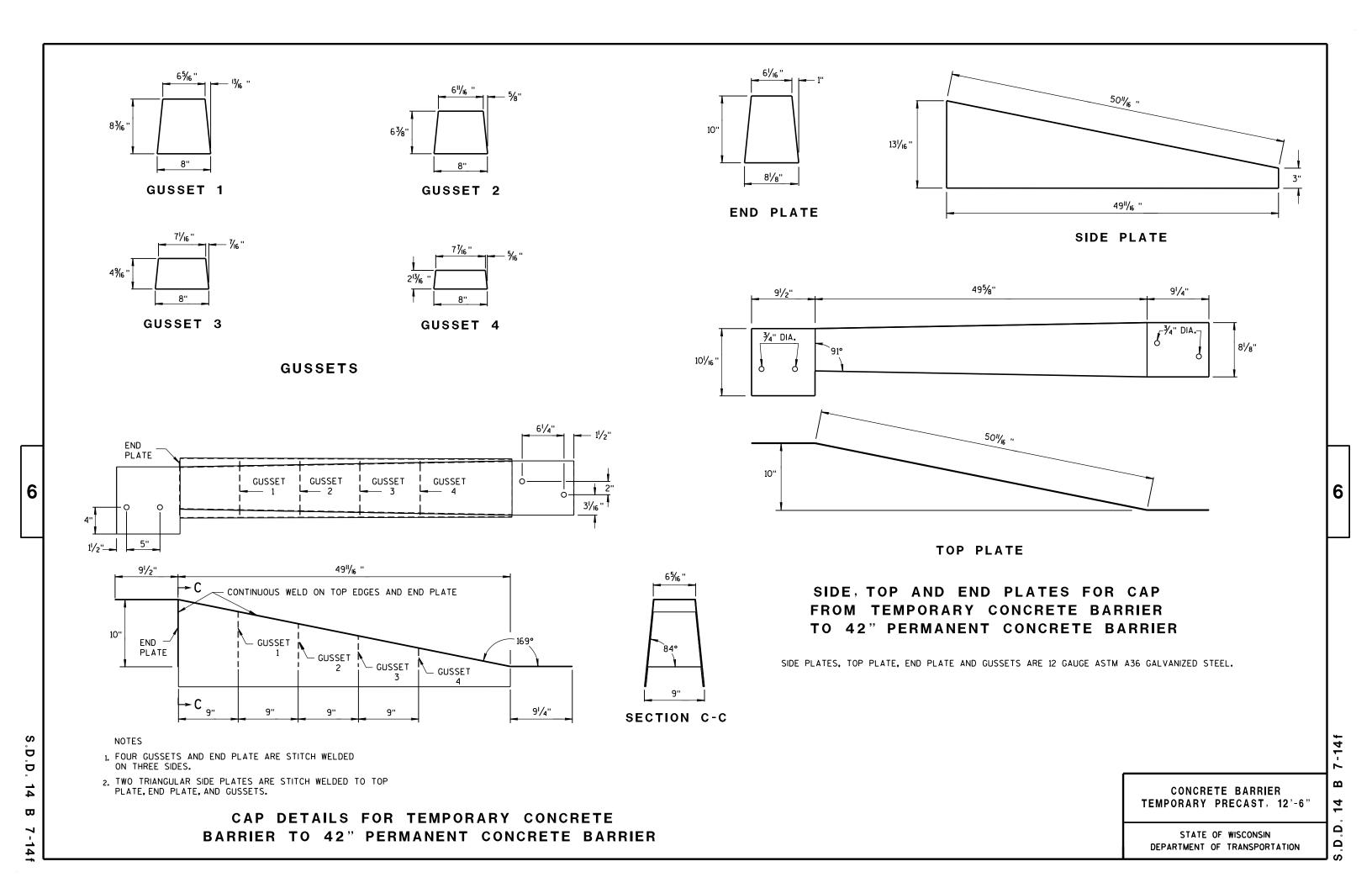
PLATE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

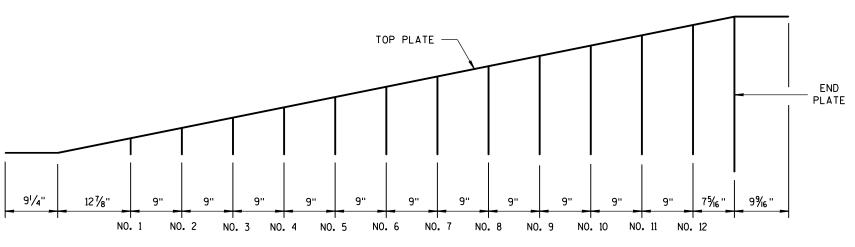
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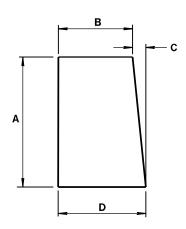


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**GUSSET LOCATION** 

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER



**GUSSETS 1 - 12** 

ALL GUSSETS 1/8" STEEL PLATE

GU	SSET	DIMEN	ISIONS	6
GUSSET NO.	A	В	С	D
1	21/8"	73/4"	1/4"	8
2	4"/16 "	7% "	1/2"	8
3	61/2"	73/8"	11/16 "	8½6"
4	85%"	73/16"	<b>⅓</b> "	81/16"
5	101/8"	7"	1 1/16 "	81/16"
6	11 <sup>15</sup> / <sub>16</sub> ''	6 <sup>13</sup> // <sub>6</sub> "	1 1/4"	81/16"
7	13¾"	65/8"	1 1/6"	81/16 "
8	15% "	6 ½ "	1 % "	81/16"
9	173/8"	61/4"	1 13/16 "	81/16"
10	193/6"	6½ <sub>6</sub> "	1 15/16 "	81/16 "
11	21"	5 1/8"	23/6"	8½ <sub>6</sub> "
12	22 <sup>13</sup> / <sub>16</sub> "	5 <sup>11</sup> / <sub>16</sub> "	25/6"	8½ <sub>6</sub> "

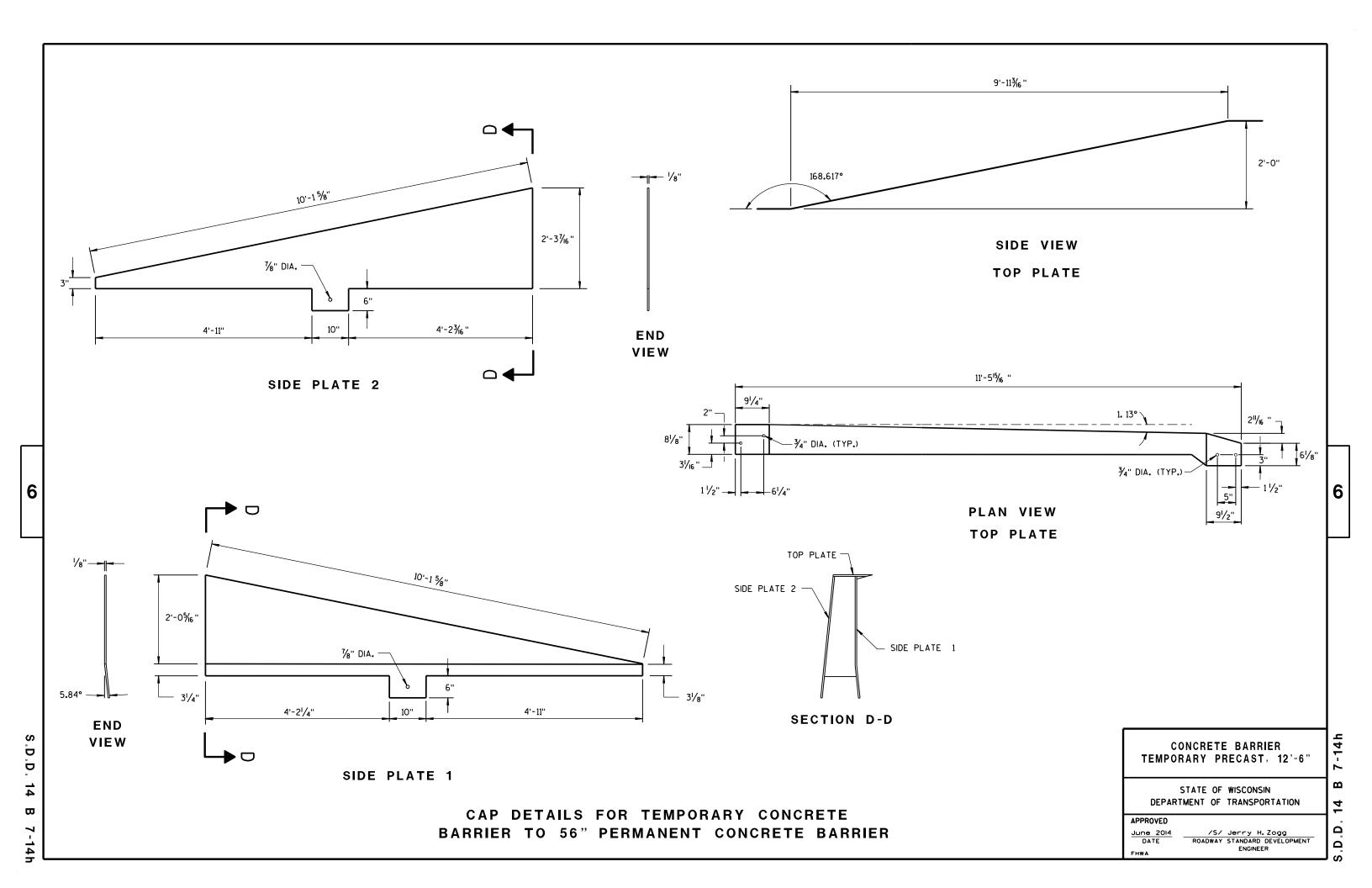
SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

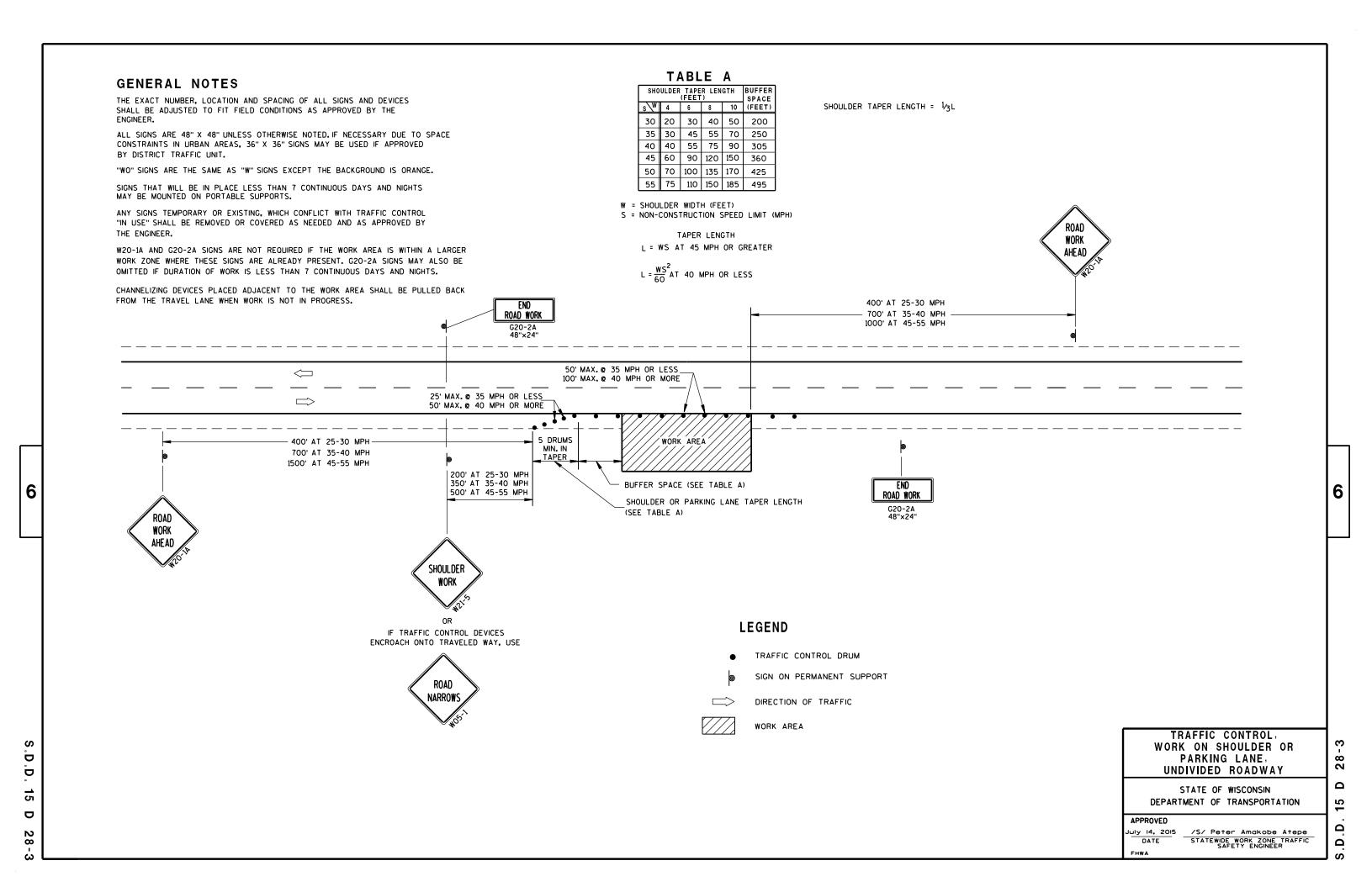
GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.

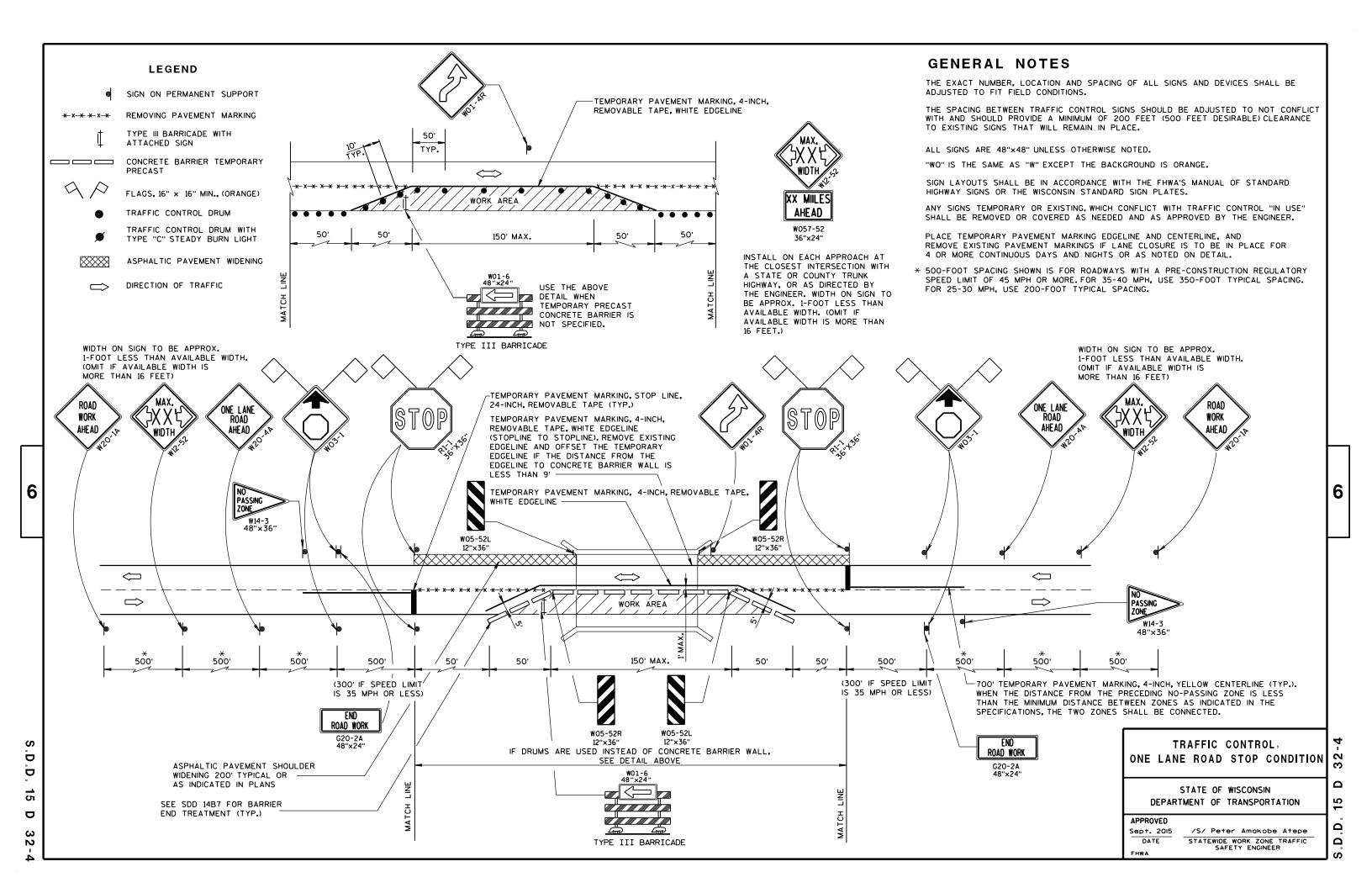
> CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

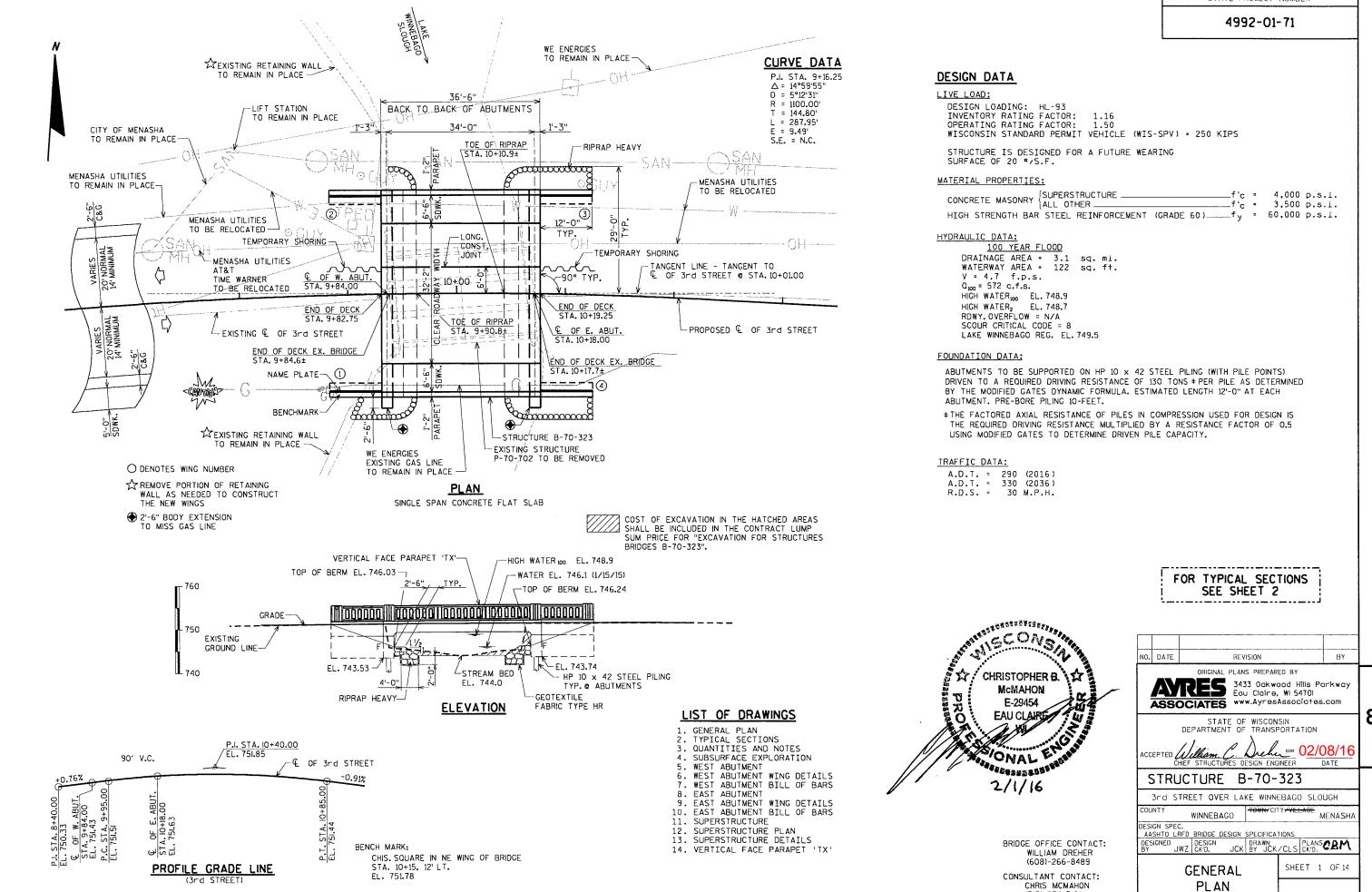
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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(715)-834-3161

I.D.

2/1/2016

CROSS SECTION THRU ROADWAY

(LOOKING EAST)

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SHEET 2 OF 14

**TYPICAL** 

**SECTIONS** 

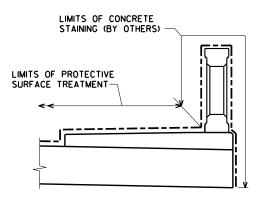
ASSOCIATES

3433 Ockwood Hills Parkway
Edu Claire, WI 5470I

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### TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	W. ABUT.	E. ABUT.	SUPER.	TOTAL
203.0600.5	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 10+00	LS				1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-70-323	LS				1
206.5000	COFFERDAMS B-70-323	LS				1
210.0100	BACKFILL STRUCTURE	CY	110	110		220
502.0100	CONCRETE MASONRY BRIDGES	CY	46	46	135	227
502.3200	PROTECTIVE SURFACE TREATMENT	SY			190	190
502.6102	MASONRY ANCHORS TYPE S 1/2-INCH	EACH			146	146
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,900	2,900		5,800
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2,240	2,240	22,330	26,810
505.0905	BAR COUPLERS NO. 5	EACH			100	100
505.0906	BAR COUPLERS NO. 6	EACH	18	18		36
511.1200	TEMPORARY SHORING B-70-323	SF	55	55		110
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	15	15		30
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIAL	LF	80	80		160
550.0500	PILE POINTS	EACH	8	8		16
550.1100	PILING STEEL HP 10-INCH × 42 LB	LF	96	96		192
606.0300	RIPRAP HEAVY	CY	35	50		85
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	90	90		180
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	75	90		165
	NON-BID ITEMS					
	10 1 === 1 = 11	SIZE				1/ 11 0 3/ 11
	FILLER	2175				1/2" & 3/4"



SURFACE TREATMENT DETAIL

### **GENERAL NOTES**

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR

A.A.S.H.T.O. DESIGNATION M 213.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS
SHALL BE COVERED WITH RIPRAP HEAVY TO THE EXTENT
SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAILS.

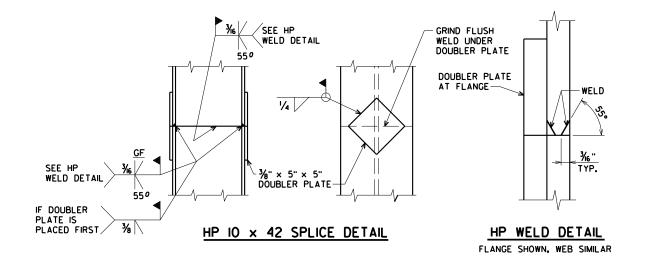
SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURES UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE EXISTING GROUND LINE SHALL BE THE UPPER LIMIT FOR EXCAVATION FOR STRUCTURES.

THE EXISTING STRUCTURE, P-70-702, TO BE REMOVED, IS A SINGLE SPAN CONCRETE DECK GIRDER BRIDGE, 33.0 FT. LONG WITH A 19.0 FT. CLEAR ROADWAY WIDTH.

AT BACKFACE OF ABUTMENTS ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.

PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED AS SHOWN IN DETAIL ON THIS SHEET.

THE QUANTITY OF BACKFILL STRUCTURE, BID ITEM 210.0100. IS CALCULATED BASED ON APPLICABLE FIGURES 12.6-1 AND 12.6-2 IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL.



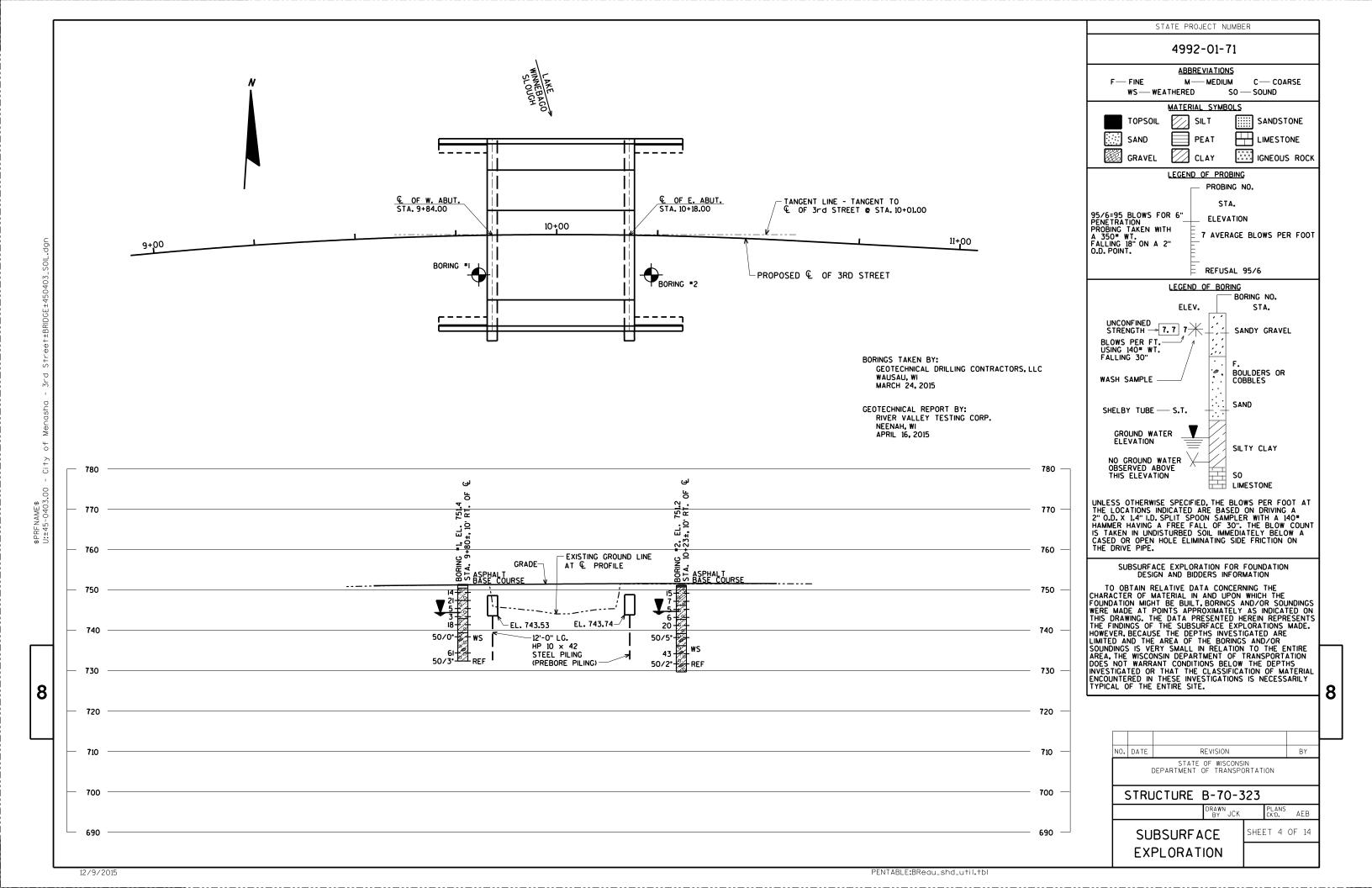
BY STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-70-323 PLANS CK'D. AEB SHEET 3 OF 14 QUANTITIES AND NOTES

8

ASSOCIATES

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Edu Claire, WI 5470I

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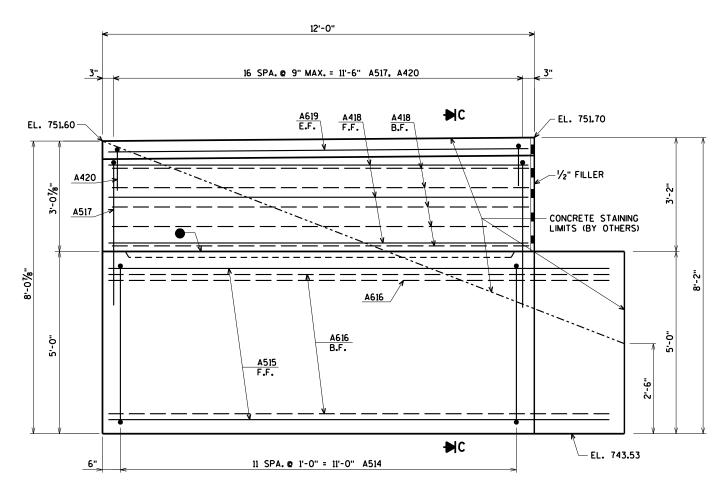


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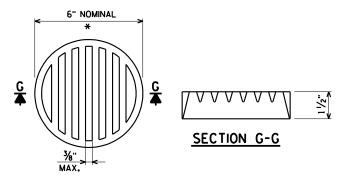
4992-01-71



1'-6" A521 4" WIDE SDWK. A420 PARAPET NOT SHOWN. PAVING NOTCH-FOR DETAILS SEE SHEET 14 A619 A517 A616 A514 3'-3" **SECTION C** 

- MATCH SIDEWALK DEPTH AT END OF BRIDGE DECK
- CONST. JOINT STRIKE OFF AS SHOWN AND LEAVE ROUGH.
- ⊕ ¾ "v" GROOVE ON FRONT FACE OF WINGWALL.
- OPT. KEYED CONST. JOINT FORMED BY A SURFACED BEVELED 2" x 6".
- ⊞ 18" RUBBERIZED MEMBRANE WATERPROOFING ON BACK FACE. NOT REQUIRED IF CONST. JT. IS NOT USED.
- OPT. CONST. JT. LEAVE ROUGH. IF USED,
   UTILIZE RUBBERIZED MEMBRANE WATERPROOFING (COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES").
  - B.F. DENOTES BACK FACE.
- F.F. DENOTES FRONT FACE.
- E.F. DENOTES EACH FACE.

**ELEVATION - WING 1** WING 2 SIMILAR



\* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

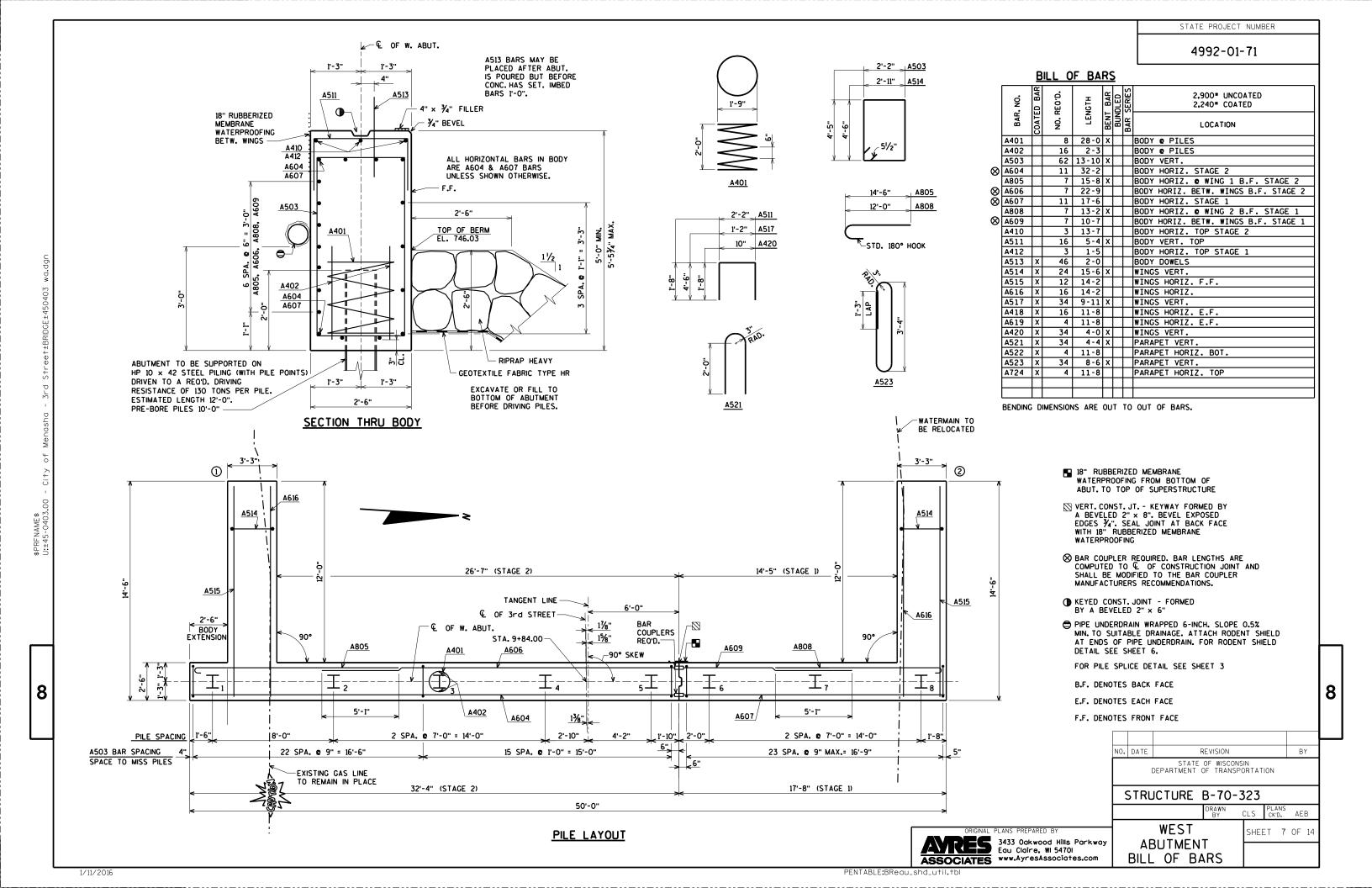


AYRES 3433 Oakwood Hills Parkway Eau Claire, WI 54701 ASSOCIATES www.AyresAssociates.com

2/1/2016

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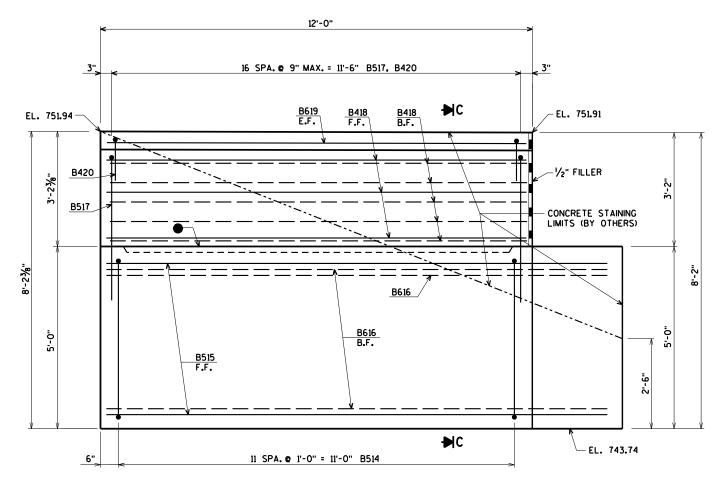
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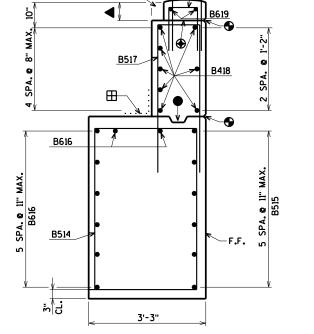
STATE PROJECT NUMBER

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4992-01-71





**SECTION C** 

1'-6"

4" WIDE SDWK. PAVING NOTCH-

B521

PARAPET NOT SHOWN.

FOR DETAILS SEE SHEET 14

B420

■ MATCH SIDEWALK DEPTH AT END OF BRIDGE DECK

CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

⊕ ¾ "v" GROOVE ON FRONT FACE OF WINGWALL.

 OPT. KEYED CONST. JOINT - FORMED BY A SURFACED BEVELED 2" x 6".

 ⊞ 18" RUBBERIZED MEMBRANE WATERPROOFING ON BACK FACE. NOT REQUIRED IF CONST. JT. IS NOT USED.

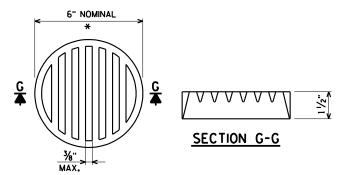
 OPT. CONST. JT. LEAVE ROUGH. IF USED,
 UTILIZE RUBBERIZED MEMBRANE WATERPROOFING (COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES").

B.F. DENOTES BACK FACE.

F.F. DENOTES FRONT FACE.

E.F. DENOTES EACH FACE.

## ELEVATION - WING 3 WING 4 SIMILAR

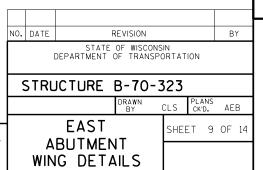


\* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

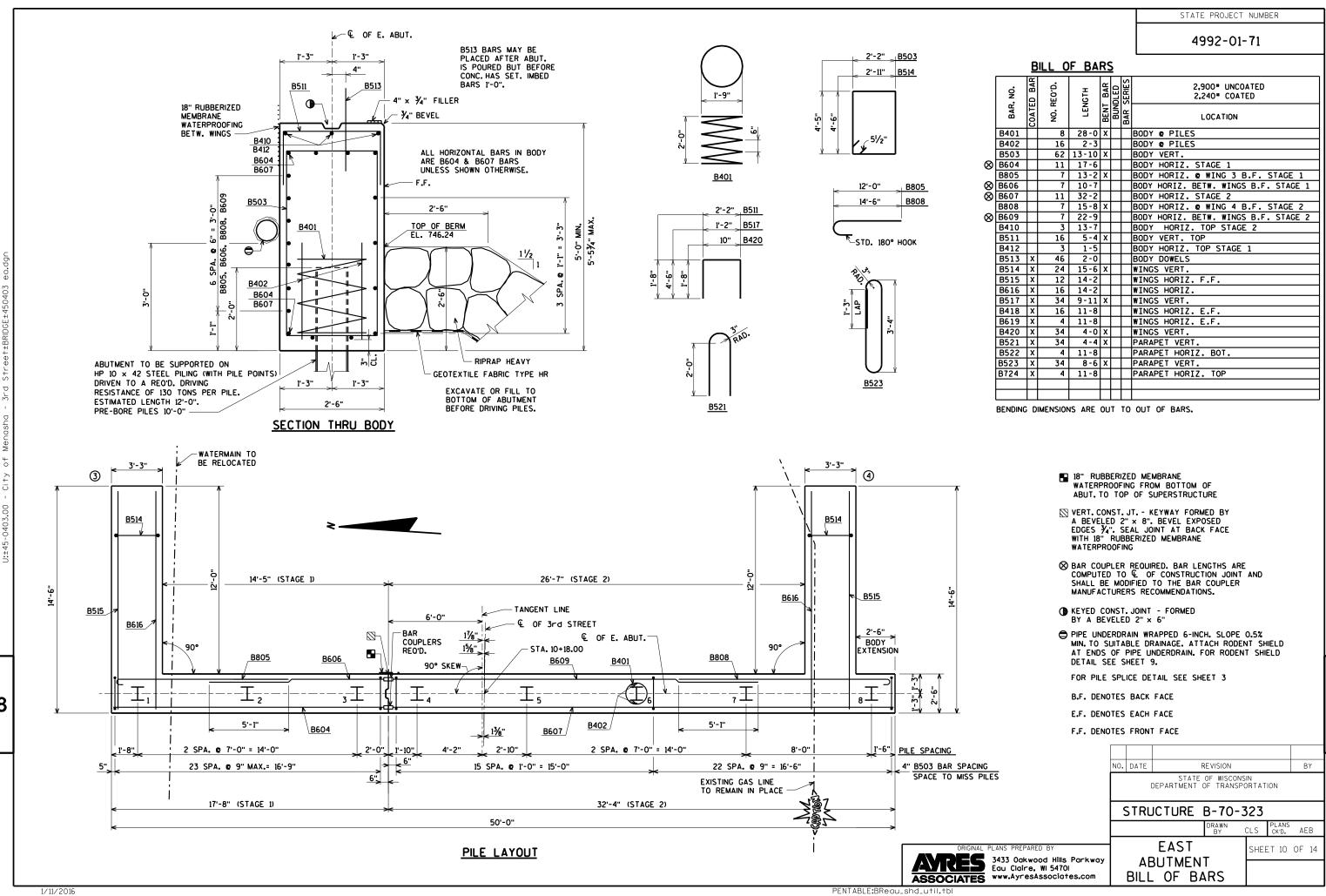


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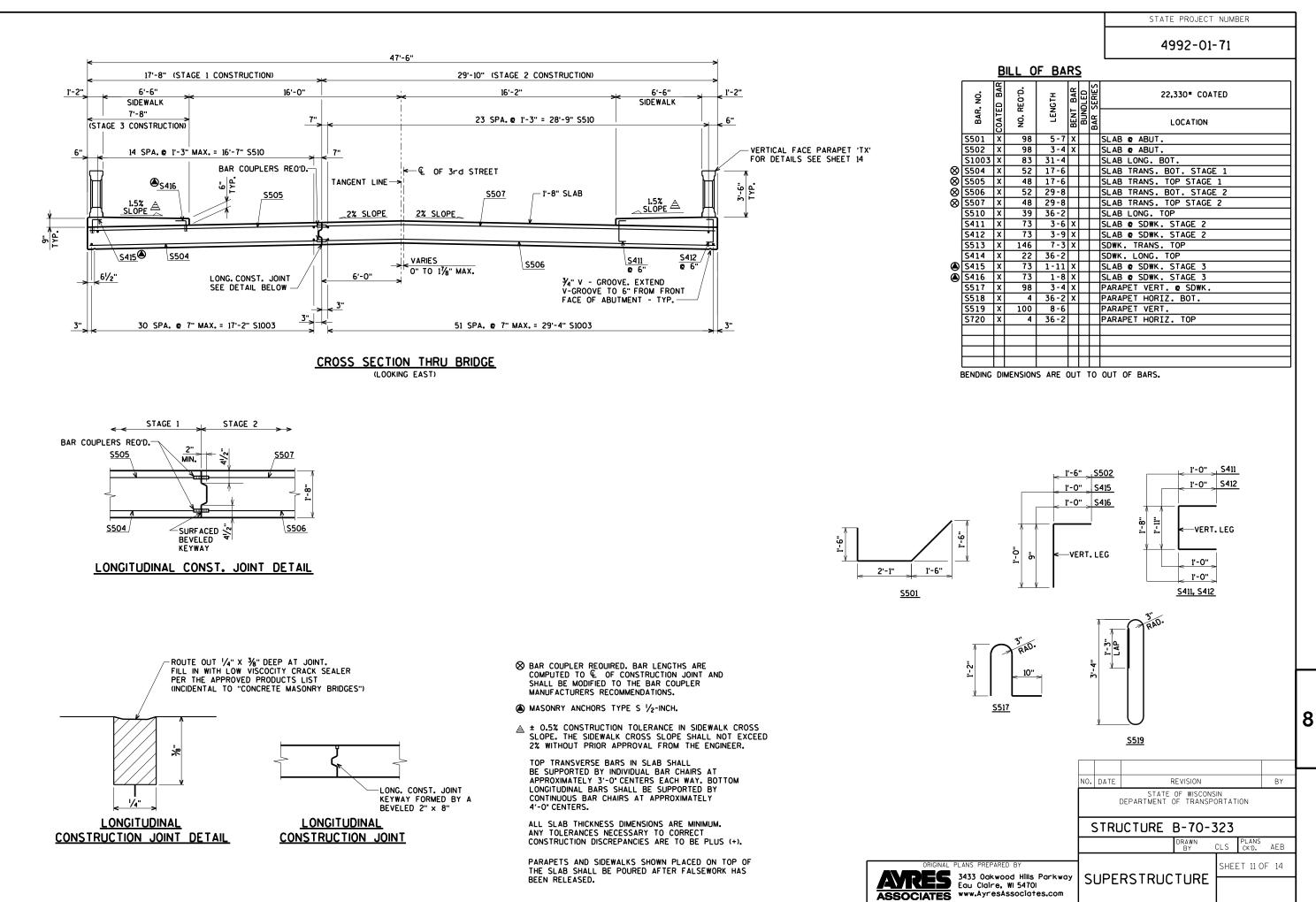
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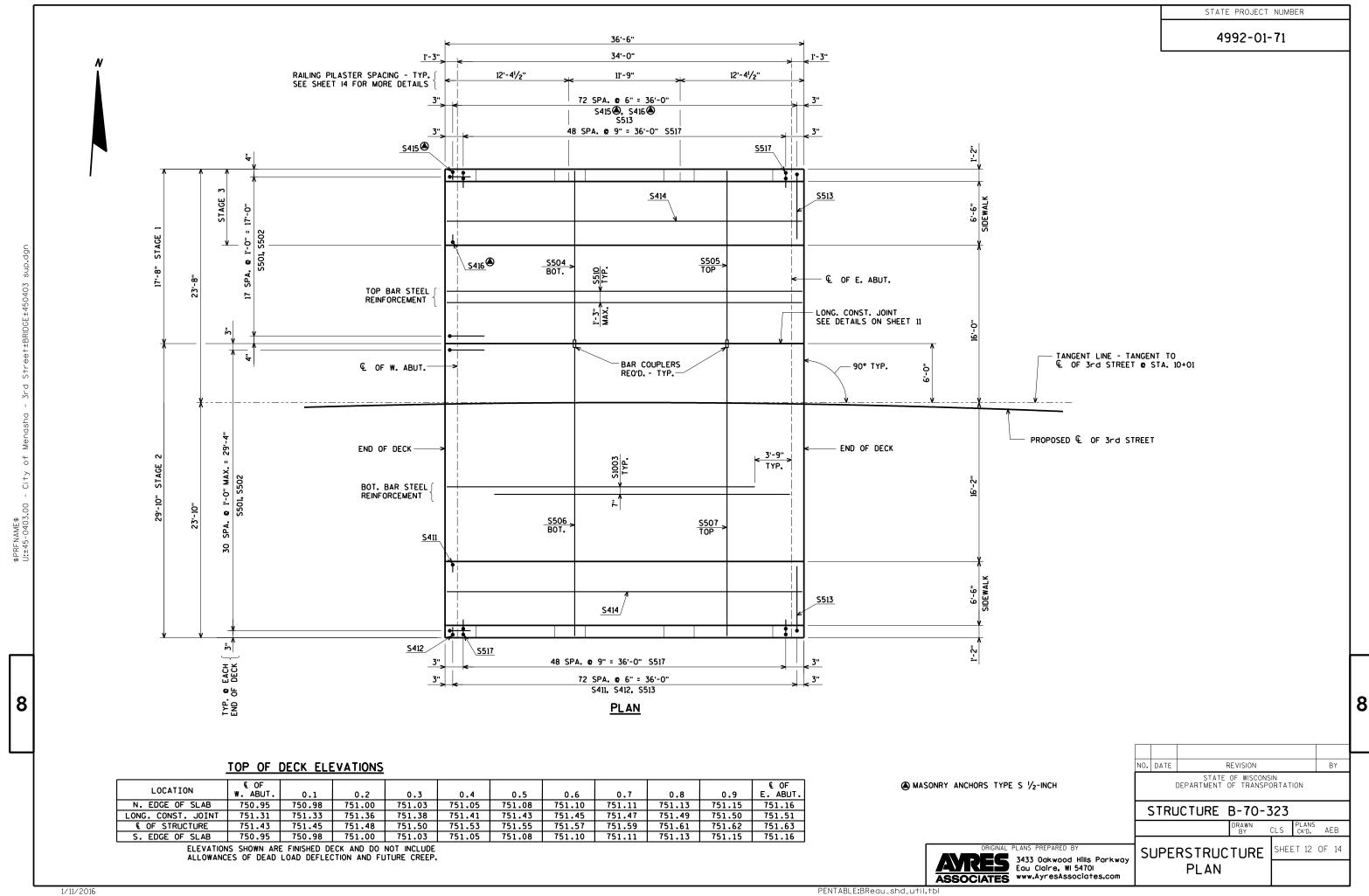
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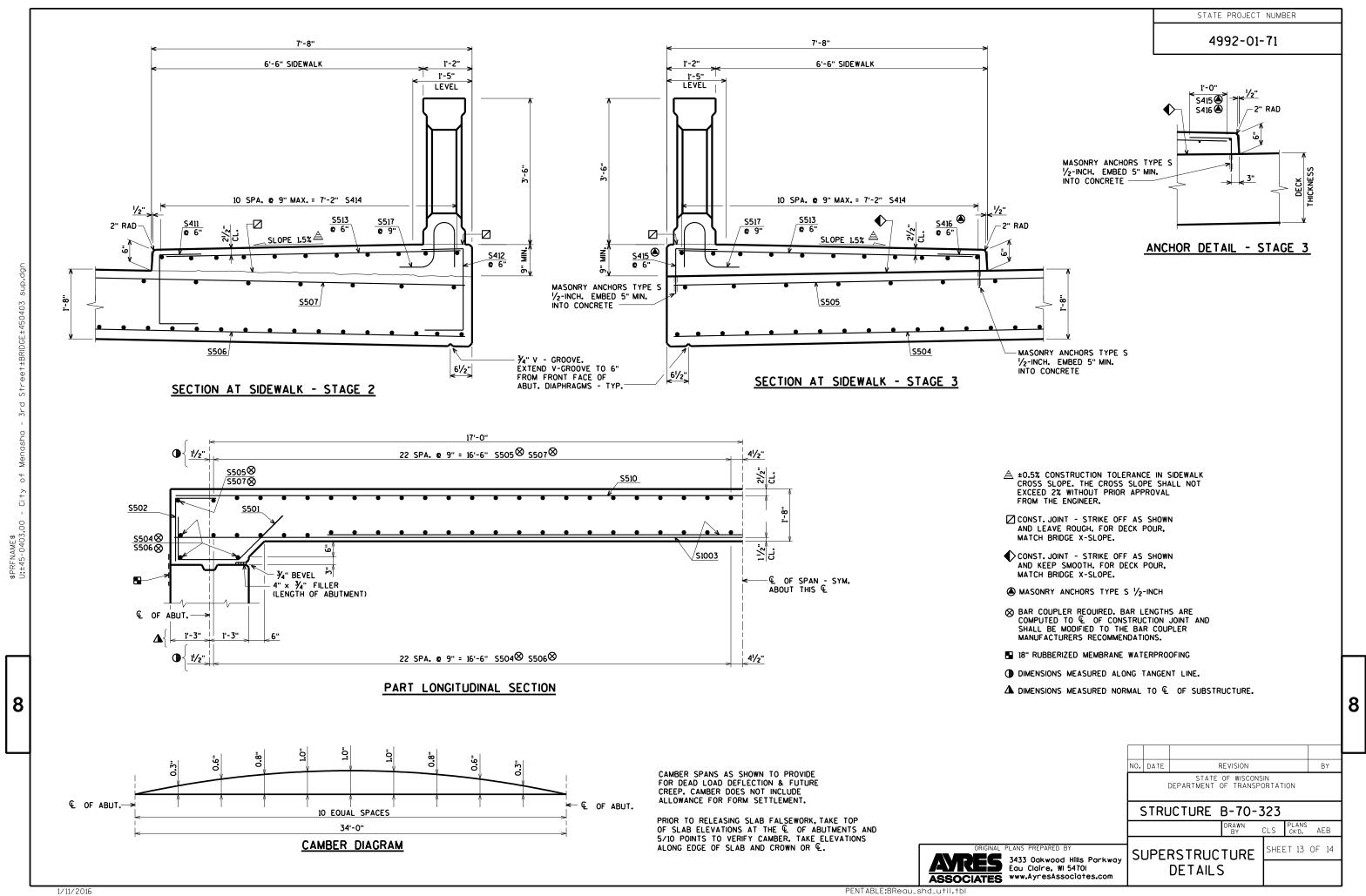
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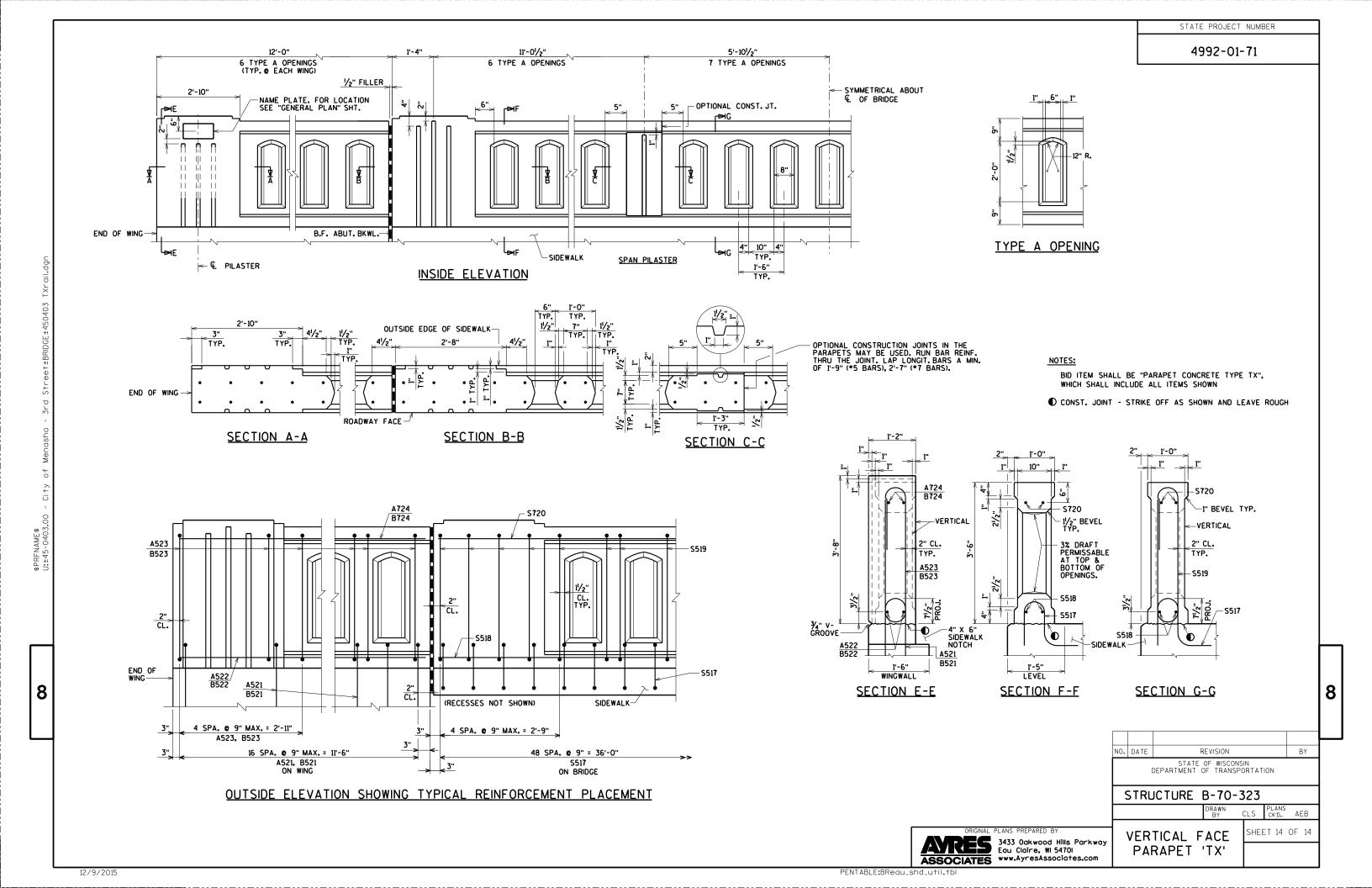












## EARTHWORK - THIRD STREET

	AREA (SF)			Incremental Vol	(CY) (Unadjusted)		Cumulative Vol (CY)		
STATION	Cut	Unusable Pavement Material	Fill	Cut Note 1	Unusable Pavement Material Note 2	Fill Note 3	<b>Cut</b> 1.00 <b>Note 1</b>	Expanded Fill 1.30	Mass Ordinate  Note 7
8+40.00	70.8	10.0	0.1						
8+50.00	63.0	10.0	7.2	25	4	1	25	2	19
8+84.00	62.5	10.0	3.1	79	13	6	104	10	77
9+00.00	54.2	10.0	11.8	35	6	4	138	16	100
9+50.00	47.1	10.5	4.0	94	19	15	232	35	156
9+72.00 9+82.75	40.9 40.9	9.0 9.0	12.9 12.9	36 16	8 4	7 5	268 284	44 51	175 181
10+19.25	36.6	9.0	2.1						
10+30.00	36.6	9.0	2.1	15	4	1	299	52	191
10+50.00	31.2	9.5	0.9	25	7	1	324	53	208
11+00.00	28.7	6.0	0.4	55	14	1	379	55	247
11+20.00	26.6	5.0	0.0	20	4	0	400	55	263

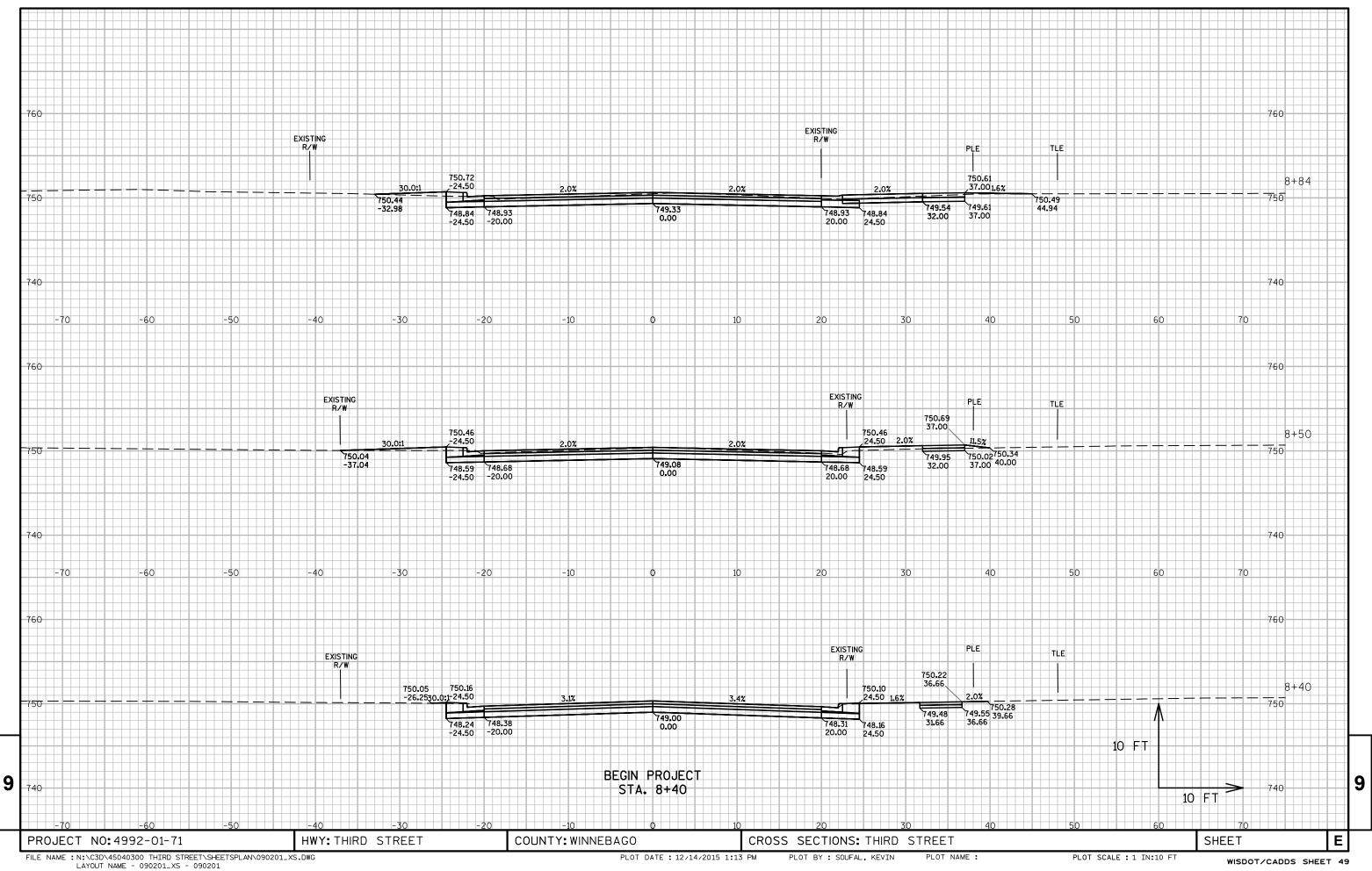
TOTALS: 400 82 42

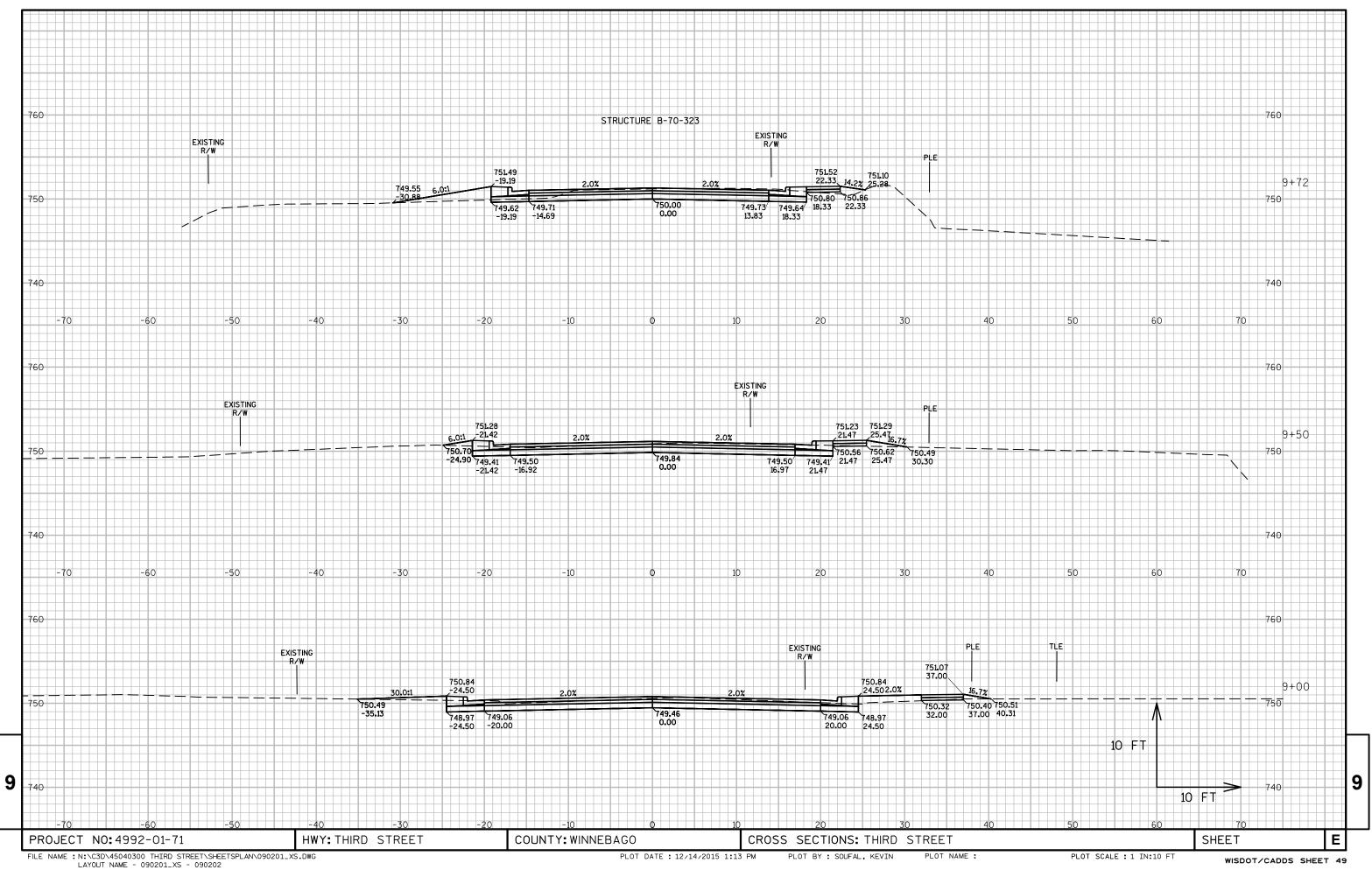
Notes:			
1 - Cut	Cut includes existing asphalt and base material.		
2 - Unusable Pavement Material	This does not show up in cross sections		
3 - Fill	Does not include Unusable Pavement Material volume		
7 - Mass Ordinate	Cut - (Unusable Pavement Material)-(Fill * Fill Factor)		

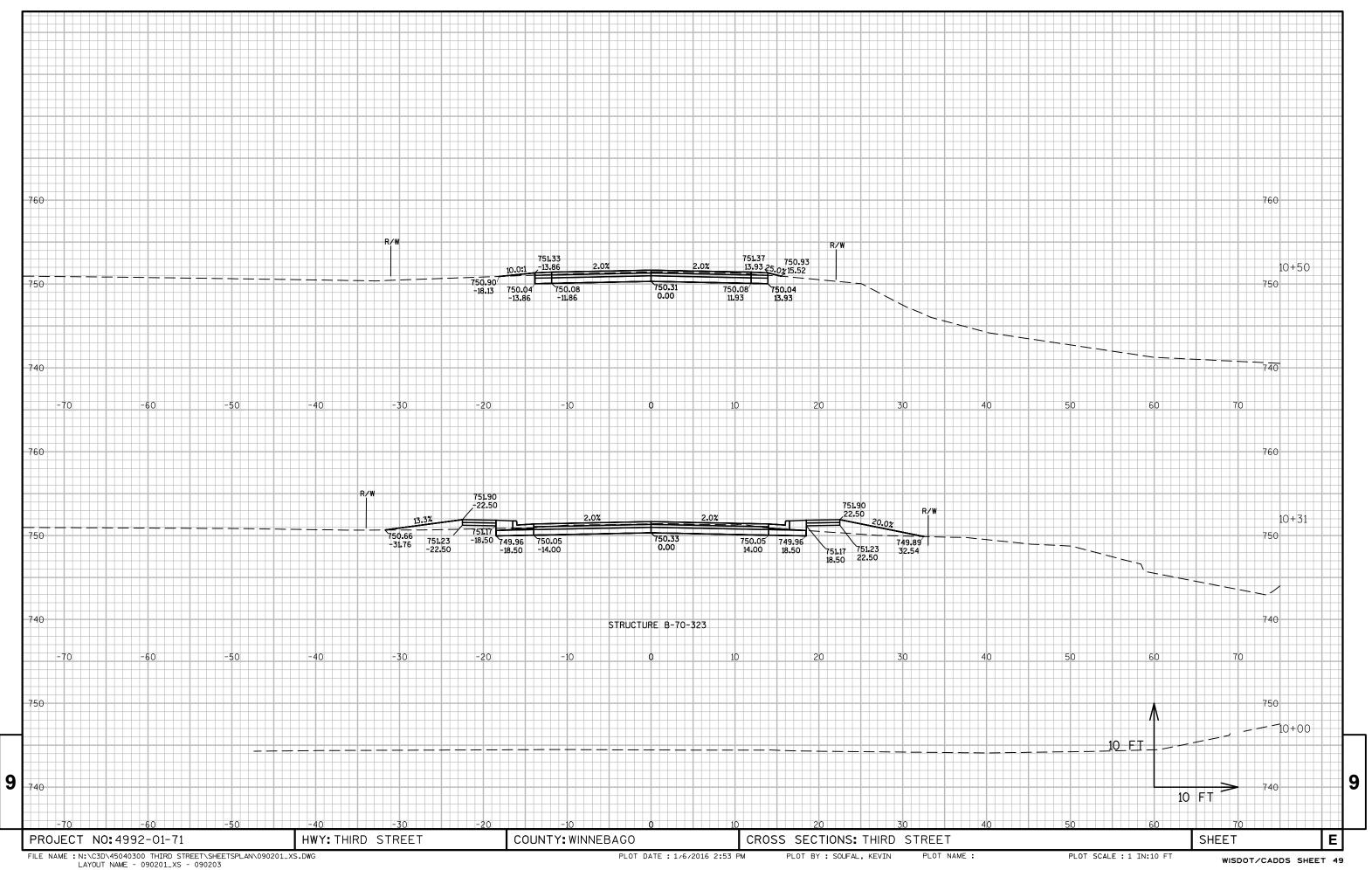
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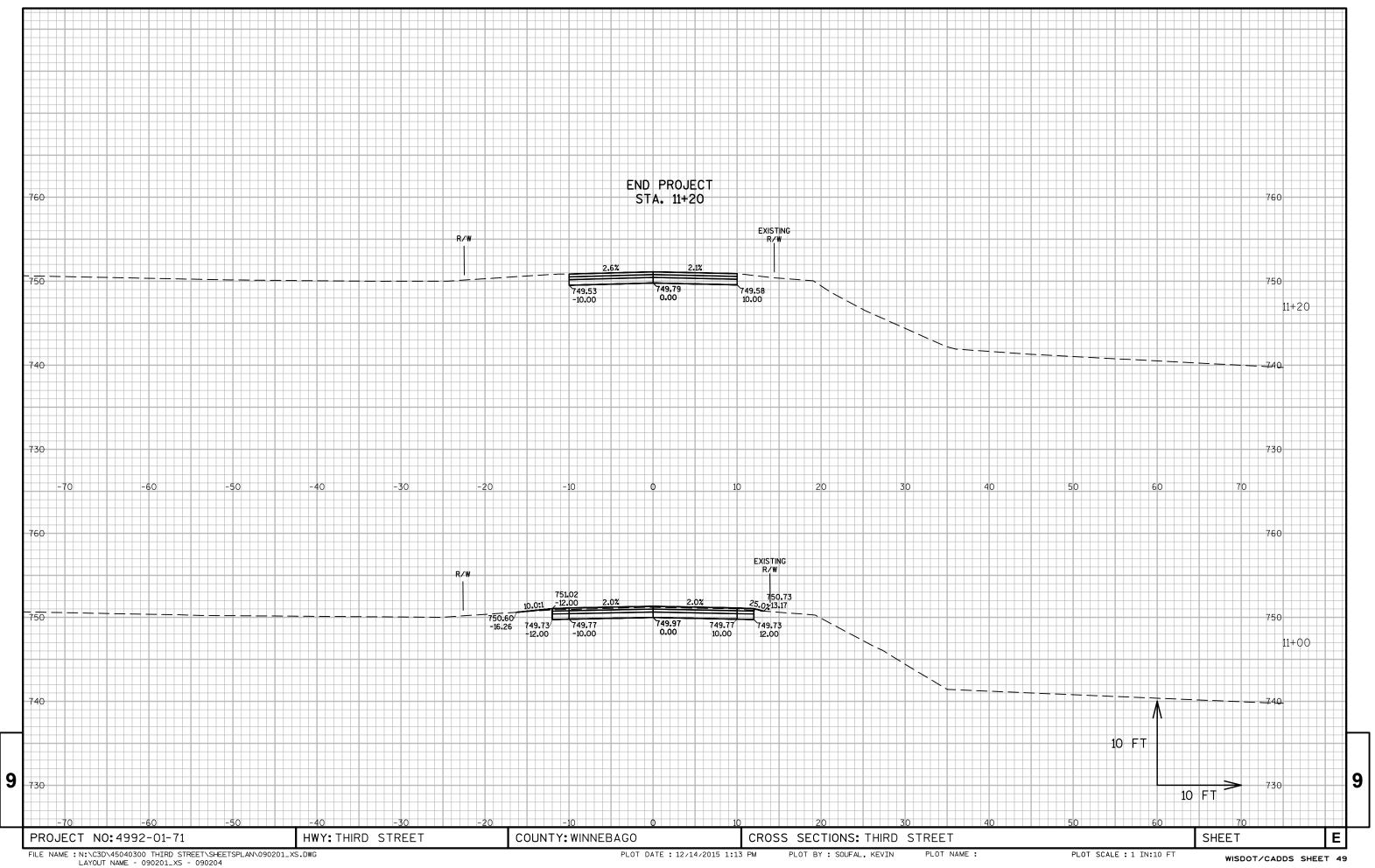
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PROJECT NUMBER: 4992-01-71 HWY: THIRD STREET COUNTY: WINNEBAGO COMPUTER EARTHWORK DATA SHEET E









Notes



## Wisconsin Department of Transportation

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