刀 S

SEPTEMBER 2016 ORDER OF SHEETS

Section No. 1 Title

Typical Sections and Details Section No. 2 Estimate of Quantities Section No. 3 Miscellaneous Ouantities

Section No. 4

Plan and Profile (includes erosion control plan)

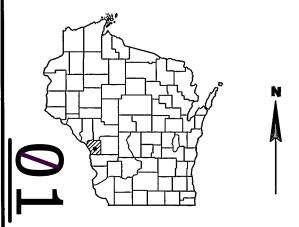
Standard Detail Drawings

Section No. 8 Structure Plans

Section No. 9 Computer Earthwork Data

Section No. 9 Cross Sections

TOTAL SHEETS = 38



DESIGN DESIGNATION

A.A.D.T. 20	17 =	760
A.A.D.T. 20	37 =	880
D.H.V. 20	37 =	145
D.	=	60/40
Т.	=	7.2%
DESIGN SPE	ED =	55 mph
ESALS	=	116,800

CONVENTIONAL SYMBOLS

PLAN

RPORATE LIMITS	<u> </u>
OPERTY LINE	
T LINE	
IITED HIGHWAY EASEMENT	L
ISTING RIGHT OF WAY	
OPOSED OR NEW R/W LINE	
OPE INTERCEPT	

REFERENCE LINE

EXISTING CULVERT PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA EDGE OF STREAM RAILROAD FENCE

PROFILE

GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such)

SPECIAL DITCH

GRADE ELEVATION

CULVERT (Profile View)

UTILITIES ELECTRIC FIBER OPTIC SANITARY SEWER STORM SEWER TELEPHONE UTILITY PEDESTAL POWER POLE TELEPHONE POLE

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

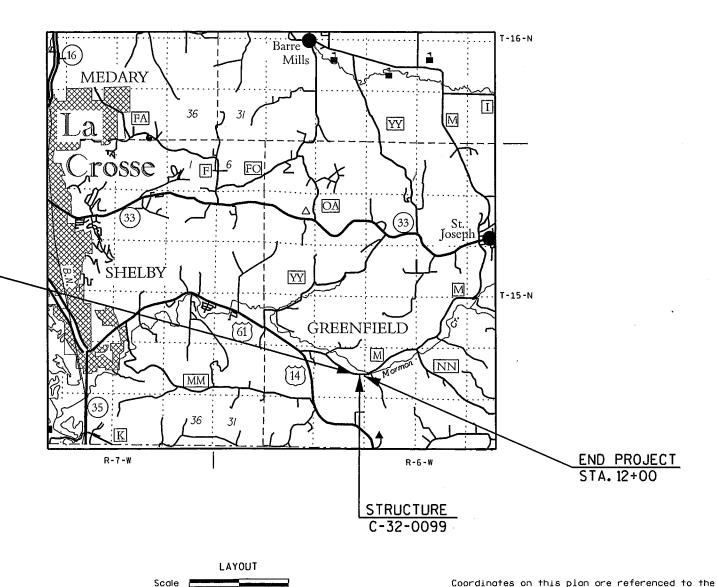
PLAN OF PROPOSED IMPROVEMENT

USH 14 - CTH NN

(BRANCH MORMON CREEK BRIDGE C-32-0099)

CTH M LA CROSSE COUNTY

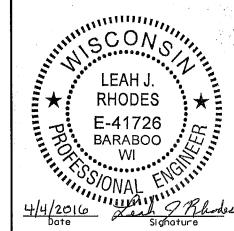
> STATE PROJECT NUMBER 5436-00-70



FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 5436-00-70 WISC 2016304







STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor

MSA Professional Services, Inc. MSA Professional Services, Inc.

Designer

PLOT DATE: 3/30/2016

BEGIN PROJECT

__ LABEL____

STA. 9+00 Y = 107.801.14

X = 486.769.17

PLOT BY: jsnyder

TOTAL NET LENGTH OF CENTERLINE = 0.057 MI.

PLOT NAME: 09262007TS.DGN

PLOT SCALE: 1:20000

Wisconsin County Coordinate System

(WCCS), La Crosse County.

WISDOT/CADDS SHEET 10

STANDARD ABBREVIATIONS

AC	ACRE	F/L	FLOW LINE	SALV	SALVAGED
AGG	AGGREGATE	FT	FOOT	SAN	SANITARY SEWER
<	ANGLE	GN	GRID NORTH	SECT	SECTION
ASPH	ASPHALTIC	HR	HANDICAP RAMP	SHLDR	SHOULDER
AC	ASPHALT CEMENT	HT	HEIGHT	SW	SIDEWALK
ADT	AVERAGE DAILY TRAFFIC	CWT	HUNDREDWEIGHT	S	SOUTH
B & B	BALLED AND BURLAPPED	HYD	HYDRANT	SB	SOUTHBOUND
ВМ	BENCH MARK	IN DIA	INCH DIAMETER	SPECS	SPECIFICATIONS
CB	CATCH BASIN	INL	INLET	SO	SQUARE
© OR C/L	CENTER LINE	ID	INSIDE DIAMETER	SF OR SQ FT	SQUARE FEET
C-C	CENTER TO CENTER	I	INTERSECTION ANGLE	SY	SQUARE YARD
CONC	CONCRETE	ΙE	INVERT ELEVATION	SSPRC	STORM SEWER
CO	COUNTY	IP	IRON PIPE OR PIN		PIPE REINFORCED CONCRETE
СТН	COUNTY TRUNK HIGHWAY	JCT	JUNCTION	STD	STANDARD
CY	CUBIC YARD	L	LENGTH OF CURVE	SDD	STANDARD DETAIL DRAWINGS
CULV	CULVERT	LF	LINEAR FOOT	STH	STATE TRUNK HIGHWAYS
CP	CULVERT PIPE	LC	LONG CHORD OF CURVE	STA	STATION
CPRC	CULVERT PIPE	LCB	LONG CHORD BEARING	SS	STORM SEWER
	REINFORCED CONCRETE	LS	LUMP SUM	T	TANGENT
C & G	CURB AND GUTTER	MH	MANHOLE	TEL	TELEPHONE
D	DEGREE OF CURVE	N	NORTH	TEMP	TEMPORARY
DHV	DESIGN HOUR VOLUME	Ϋ́	NORTH GRID COORDINATE	TLE	TEMPORARY LIMITED EASEMENT
DIA OR ø	DIAMETER	0E	OUTLET ELEVATION	Т	TON
DIST	DISTRICT	OL OL	OUT LOT	TC	TOP OF CURB
DWY	DRIVEWAY	OD	OUTSIDE DIAMETER	TN	TOWN
E	EAST	0H	OVERHEAD LINES	TRANS	TRANSITION
x	EAST GRID COORDINATE	PAVT	PAVEMENT	Т	TRUCKS (percent of)
EB	EASTBOUND	PLE	PERMANENT LIMITED EASEMENT	TYP	TYPICAL
ELEC	ELECTRIC	PC	POINT OF CURVATURE	UNCL	UNCLASSIFIED
EL OR ELEV	ELEVATION	PI	POINT OF INTERSECTION	USH	UNITED STATES HIGHWAY
EMB	EMBANKMENT	PT	POINT OF TANGENCY	VAR	VARIABLE
EW	ENDWALL	PCC	PORTLAND CEMENT CONCRETE	VERT	VERTICAL
ESALS	EQUIVALENT SINGLE	LB	POUND	VC	VERTICAL CURVE
	AXLE LOADS	PE	PRIVATE ENTRANCE	VOL	VOLUME
EXC	EXCAVATION	R OR RAD	RADIUS	WM	WATER MAIN
EBS	EXCAVATION BELOW	RR	RAILROAD	wv	WATER VALVE
	SUBGRADE	R	RANGE	w ·	WEST
EXIST	EXISTING	₹ OR R/L	REFERENCE LINE	 WB	WESTBOUND
EXP	EXPANSION	REQD	REQUIRED	YD	YARD
F-F	FACE TO FACE	RT	RIGHT		1800
FERT	FERTILIZER	R/W	RIGHT-OF-WAY		
FE	FIELD ENTRANCE	RD	ROAD		
_					

RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
		A B				С			D			
	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08	.16	.22	.12	.20	.27 .44	.15	.24	.33	.19	.28	.38
MEDIAN STRIP- TURF	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:						•			•	•	•	
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585						
ROOFS						.7595						
GRAVEL ROADS,	SHOULDE	RS				.4060						

TOTAL PROJECT AREA = 1.11 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.82 ACRES

HWY: CTH M

GENERAL NOTES, ABBREVIATIONS & UTILITIES

PLOT NAME :

SHEET

DNR LIAISON

DEPARTMENT OF NATURAL RESOURCES KAREN KALVELAGE ENVIRONMENTAL REVIEW AND ANALYSIS SPECIALIST 3550 MORMON COULEE ROAD LA CROSSE, WI 54601 PHONE: 608-785-9115 karen.kalvelage@wisconsin.gov

UTILITIES

BURIED TELEPHONE: CENTURYLINK ATTN: TOM MURRAY 333 NORTH FRONT STREET LA CROSSE, WI 54601 PHONE: 608-796-7869 tom.l.murray@centurylink.com

DESIGN CONTACT

ATTN: LEAH J. RHODES, P.E.

1230 SOUTH BOULEVARD

BARABOO, WI 53913 PHONE: 608-355-8945

Irhodes@msa-ps.com

LA CROSSE COUNTY ATTN: RON CHAMBERLAIN 301 CARLSON ROAD WEST SALEM, WI 54669 PHONE: 608-786-3810

MSA PROFESSIONAL SERVICES, INC.

COUNTY CONTACT

rchamberlain@lacrossecounty.com

OVERHEAD ELECTRIC: VERNON ELECTRIC COOPERATIVE ATTN: MARK SEE 110 SAUGSTAD ROAD WESTBY, WI 54667 PHONE: 608-632-1602 msee@vernonelectric.org

or (800) 242-8511 www.DiggersHotline.com

* - NOT A MEMBER OF DIGGERS HOTLINE.

GENERAL NOTES

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER, OVERSOW PERMANENT SEEDING AREAS WITH TEMPORARY SEED AT 3 LBS PER 1000 SOUARE FEET.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE AREA THAT ARE

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO USGS NAVD 88 (96 ADJUSTED). BENCHMARK REFERENCES AT THE PROJECT SITE WERE LOCATED USING GPS TECHNOLOGY.

THE $4/\!\!/_2"$ ASPHALTIC SURFACE SHALL CONSIST OF A 2" UPPER LAYER WITH 12.5MM NOMINAL SIZE AGGREGATE AND A $2/\!\!/_2"$ LOWER LAYER WITH 19.0MM NOMINAL SIZE AGGREGATE.

SILT FENCE TO BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER AND IN PLACE PRIOR TO CONSTRUCTION OR BRIDGE REMOVAL.

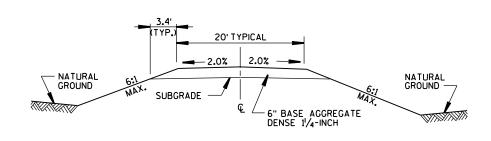
SLOPES STEEPER THAN 3:1 REQUIRE EROSION MAT.

WETLANDS ARE PRESENT ON THE RIVER BANKS. AREAS OUTSIDE THE SLOPE INTERCEPTS SHALL NOT BE DISTURBED IN THIS AREA.

COUNTY: LA CROSSE

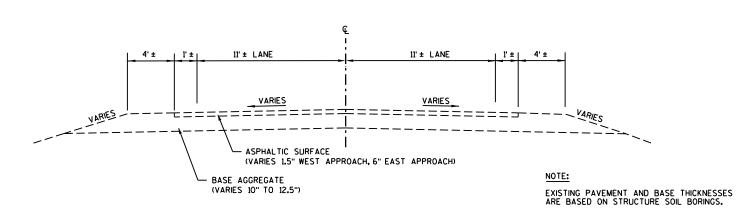
PROJECT NO:5436-00-70

FIELD ENTRANCE PLAN

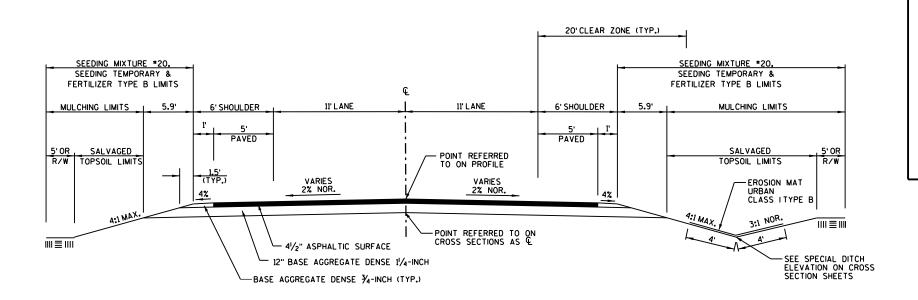


FIELD ENTRANCE TYPICAL SECTION

FIELD ENTRANCE DETAILS



TYPICAL EXISTING SECTION



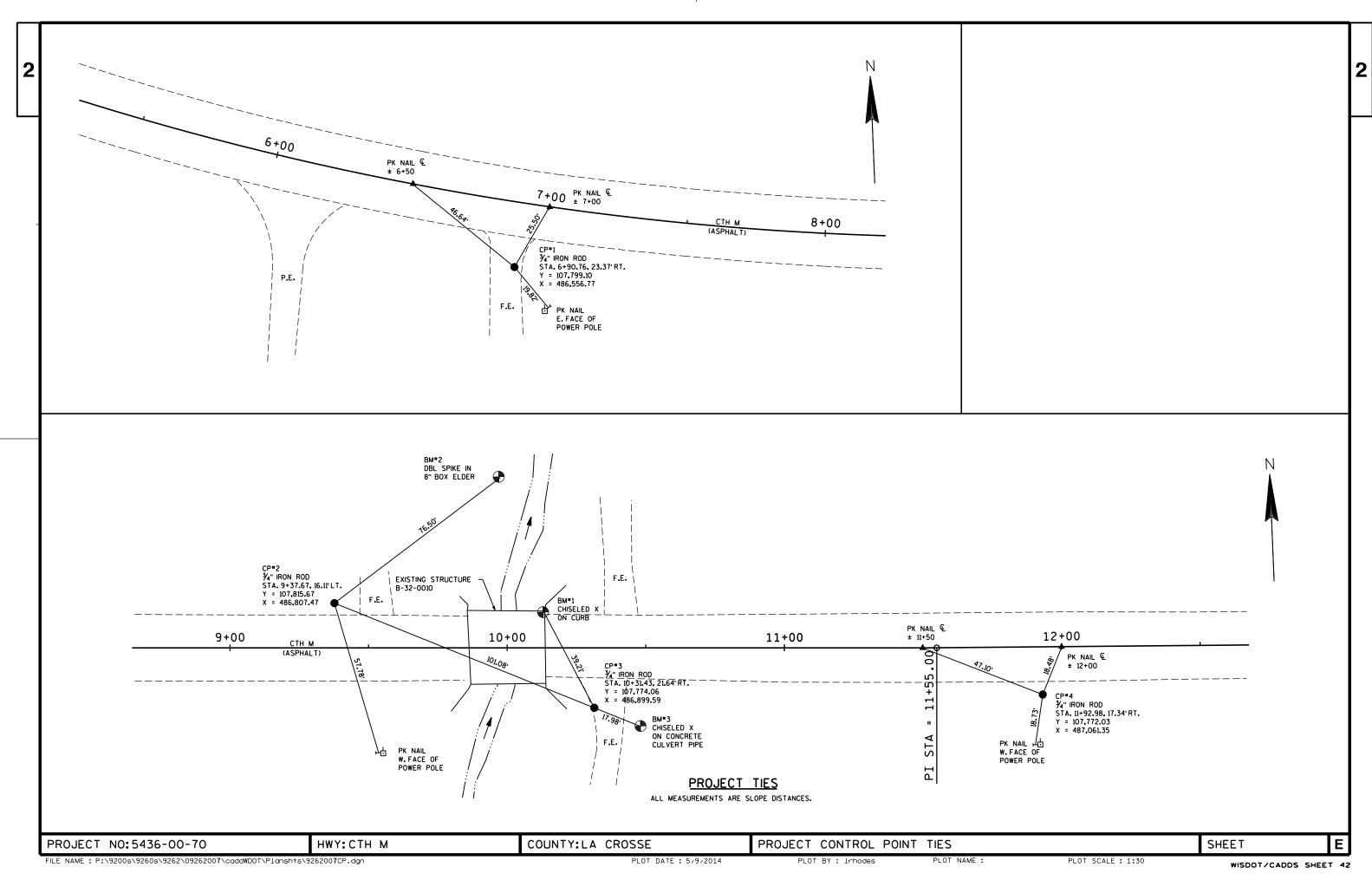
TYPICAL FINISHED SECTION

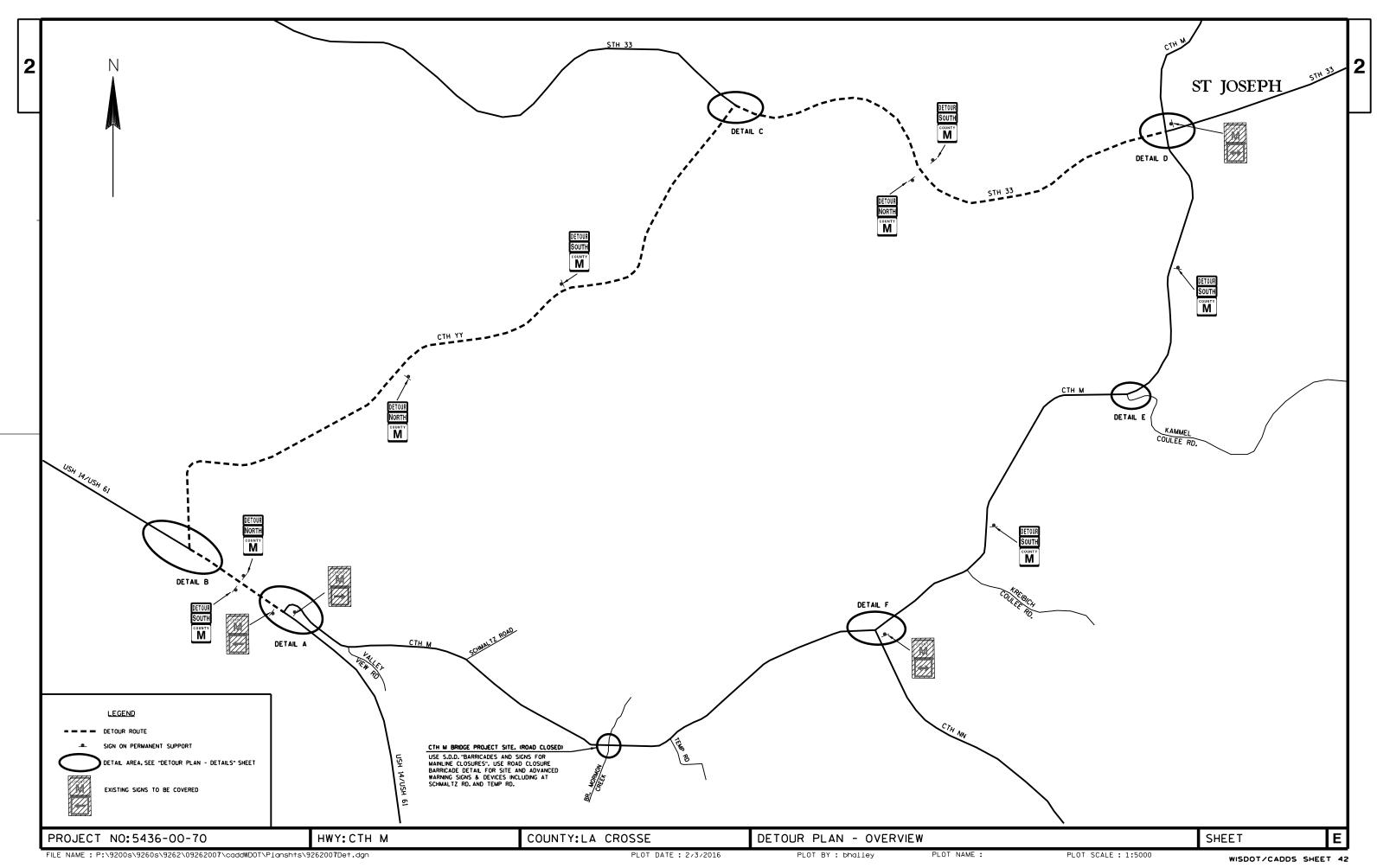
STA 9+00 - STA 12+00

TYPICAL SECTIONS & CONSTRUCTION DETAILS

PLOT BY : bhalley

WISDOT/CADDS SHEET 42







LEGEND

- SIGN ON PERMANENT SUPPORT
- +++ TYPE III BARRICADE AND 2 TYPE A LIGHTS WITHOUT SIGN
- ₩ TYPE III BARRICADE AND 2 TYPE A LIGHTS WITH SIGN
- --- DETOUR ROUTE

TRAFFIC CONTROL NOTES

- THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- 2. ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.
- 3. TYPE III BARRICADES SHOWN ON THIS SHEET SHALL BE PLACED AT A 50' OFFSET ALONG THE ROADWAY.





M5-1L 21" × 21"









M6-1 21" X 21"



M5-1R 21" X 21"



END DETOUR M4-8A 24" X 18"



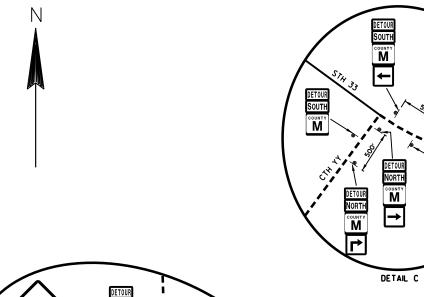


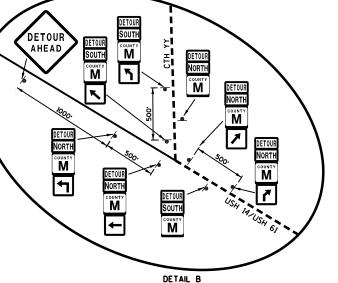
M5-2R 21" X 21"

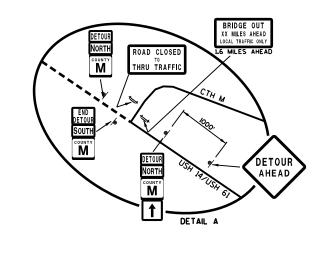


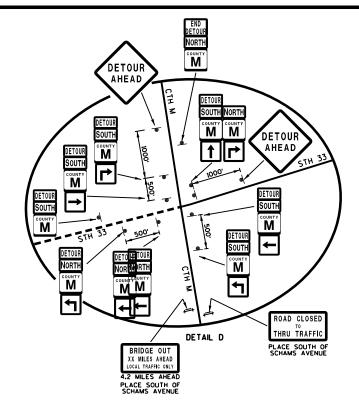
BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY

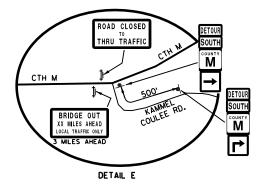


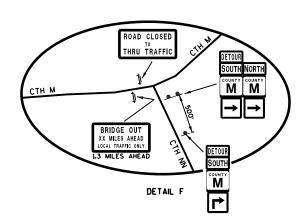












PROJECT NO:5436-00-70

HWY: CTH M

COUNTY: LA CROSSE

PLOT DATE: 4/11/2016

DETOUR PLAN - DETAILS PLOT NAME :

PLOT SCALE : 1:5000

SHEET

Ε

DETOUR SOUTH

百

DETOUR NORTH

DATE 27	JUN16	EST	IMAT	E OFQUAN		
LI NE NUMBER	LTEM	ITEM DESCRIPTION	UNI T	TOTAL	5436-00-70 QUANTI TY	
0010	201. 0105		STA	2. 000	2. 000	
		Clearing	STA			
0020	201. 0205	Grubbi ng		2. 000	2.000	
0030	203. 0100	Removing Small Pipe Culverts	EACH	2. 000	2. 000	
0040	203. 0600. S	Removing Old Structure Over Waterway	LS	1. 000	1. 000	
		With Minimal Debris (station) 01. 10+00	0).			
0050	205. 0100	Excavation Common	CY	992. 000	992. 000	
0060	206. 2000	Excavation for Structures Culverts	LS	1. 000	1. 000	
0000	200. 2000	(structure) 01. C-32-99	L3	1.000	1.000	
0070	210. 0100	Backfill Structure	CY	1, 195. 000	1, 195. 000	
0080	213. 0100	Finishing Roadway (project) 01.	EACH	1, 173, 000	1, 173, 000	
0000	213.0100	5436-00-70	LACIT	1.000	1.000	
0090	305. 0110	Base Aggregate Dense 3/4-Inch	TON	33.000	33.000	
0100	305. 0110	Base Aggregate Dense 1 1/4-Inch	TON	1, 028. 000	1, 028. 000	
0100	303. 0120	base Aggregate belise i 174-illeli	TON	1, 020. 000	1,020.000	
0110	311. 0115	Breaker Run	CY	390.000	390. 000	
0120	455. 0605	Tack Coat	GAL	53. 000	53. 000	
0130	465. 0105	Asphaltic Surface	TON	261. 000	261. 000	
0130	504. 0100	Concrete Masonry Culverts	CY	131. 000	131. 000	
		Bar Steel Reinforcement HS Structures				
0150	505. 0400	bai Steel kermorcement no Structures	LB	19, 450. 000	19, 450. 000	
0160	516. 0500	Rubberized Membrane Waterproofing	SY	23. 000	23. 000	
0160	520. 1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	2. 000	23.000	
0180	520. 1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	2.000	2.000	
0190	520. 3318	Culvert Pipe Class III-A 18-Inch	LF	44. 000	44.000	
0200	520. 3330	Culvert Pipe Class III-A 30-Inch	LF	44. 000	44. 000	
0210	606. 0300	Ri prap Heavy	CY	280. 000	280. 000	
0210	619. 1000	Mobilization	EACH	1. 000	1. 000	
0230	624. 0100	Water	MGAL	85. 000	85. 000	
0230	625. 0500	Salvaged Topsoil	SY	1, 910. 000	1, 910. 000	
0250	627. 0200	Mul chi ng	SY	2, 330. 000	2, 330. 000	
0230	027.0200	war chi rig	31	2, 330. 000	2, 330. 000	
0260	628. 1504	Silt Fence	LF	500.000	500. 000	
0270	628. 1520	Silt Fence Maintenance	LF	500. 000	500. 000	
0280	628. 1905	Mobilizations Erosion Control	EACH	2. 000	2. 000	
0290	628. 1910	Mobilizations Emergency Erosion Control	EACH	2. 000	2. 000	
0300	628. 2008	Erosion Mat Urban Class I Type B	SY	650. 000	650. 000	
0300	020. 2000	El osi oli mat ol ball ol ass i Type b	31	030.000	030.000	
0310	628. 7504	Temporary Ditch Checks	LF	60. 000	60. 000	
0320	629. 0210	Fertilizer Type B	CWT	1. 800	1. 800	
0330	630. 0120	Seeding Mixture No. 20	LB	75. 000	75. 000	
0340	630. 0200	Seeding Temporary	LB	75. 000	75. 000	
0350	633. 5100	Markers Row	EACH	10. 000	10. 000	
5555	200.0100		2,1011	10.000	10.000	
0360	633. 5200	Markers Culvert End	EACH	4. 000	4. 000	
0370	638. 2602	Removing Signs Type II	EACH	4. 000	4. 000	
0380	638. 3000	Removing Small Sign Supports	EACH	4. 000	4. 000	
0390	642. 5001	Field Office Type B	EACH	1. 000	1. 000	
0400	643. 0100	Traffic Control (project) 01. 5436-00-70	EACH	1. 000	1. 000	
J-00	545. 0100	(project) 01. 3430-00-70	LAUII	1.000	1.000	
0410	643. 0420	Traffic Control Barricades Type III	DAY	1, 534. 000	1, 534. 000	
0420	643. 0705	Traffic Control Warning Lights Type A	DAY	2, 596. 000	2, 596. 000	
0420	643. 0900	Traffic Control Signs	DAY	1, 180. 000	1, 180. 000	
0430	643. 0920	Traffic Control Covering Signs Type II	EACH	8. 000	8. 000	
0440	643. 2000	Traffic Control Detour (project) 01.	EACH	1. 000	1. 000	
0730	J7J. ZUUU	5436-00-70	LACII	1.000	1.000	
		0.000 00 70				
0460	643. 3000	Traffic Control Detour Signs	DAY	8, 614. 000	8, 614. 000	
0470	645.0105	Geotextile Type C	SY	382.000	382. 000	
0480	645. 0120	Geotextile Type HR	SY	530.000	530.000	
0490	646. 0106	Pavement Marking Epoxy 4-Inch	LF	1, 200. 000	1, 200. 000	
0500	650. 4500	Construction Staking Subgrade	LF	400. 000	400. 000	
2000	1000	dot. o otali. i.g odbyl ddo		.50.000	.55. 555	

DATE 27JUN16		E S	ESTIMATE OF QUANTITIES							
LINE					5436-00-70					
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY					
0510	650. 5000	Construction Staking Base	LF	300.000	300.000					
0520	650. 6500	Construction Staking Structure Layout (structure) 01. C-32-99	LS	1. 000	1. 000					
0530	650. 9910	Construction Staking Supplemental Control (project) 01. 5436-00-70	LS	1. 000	1. 000					
0540	650. 9920	Construction Staking Slope Stakes	LF	400.000	400.000					
0550	690. 0150	Sawi ng Asphal t	LF	49. 000	49. 000					
0560	715. 0502	Incentive Strength Concrete Structures	DOL	786. 000	786. 000					
0570	SPV. 0105	Special O1. Temporary Water Diversion, Culvert C-32-99	LS	1. 000	1. 000					

P - PAY PLAN QUANTITY

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010.

CLEARING GRUBBING STATION LOCATION STATION 11+00 LT 9+00 TOTALS:

205.0100 EXCAVATION COMMON **P**

LOCATION	EXC. COMMON CY (3)	FILL CY (1)	EXPANDED FILL CY (2)	WASTE CY
STA 8+00 - STA 9+70	383	80	104	279
STA 10+24 - STA 12+00	609	207	269	340
TOTALS:	992	287	373	619

(1) - NOT A BID ITEM - FOR INFORMATIONAL PURPOSES ONLY.

(2) - FILL EXPANSION 30%

(3) - EXISTING ASPHALTIC PAVEMENT IS INCLUDED IN COMMON EXCAVATION TOTALS. SEE EARTHWORK TABLE.

305.0110 BASE AGGREGATE DENSE 3/4-INCH

305.0120 BASE AGGREGATE DENSE 1 1/4-INCH

624.0100 WATER

			3/4-INCH	1 1/4-INCH	WATER*
STATION	-	STATION	TON	TON	MGAL
9+00.00	-	12+00.00	33	955	20
FE S	TA. 9+5	3, LT	0	13	0
FE S	TA. 10+7	70, LT	0	31	1
FE S	TA. 10+7	70, RT	0	29	1
		TOTALS:	33	1028	22

*ADDITIONAL QUANTITY INCLUDED WITH EROSION CONTROL ITEMS

455.0605 TACK COAT

465.0105 ASPHALTIC SURFACE

STATION	_	STATION	TACK COAT GAL	ASPHALTIC SURFACE TON
 9+00	9+00 - 12+00		53	261
		TOTALS:	53	261

203.0100 REMOVING SMALL PIPE CULVERTS

520.3318 CULVERT PIPE CLASS III-A 18-INCH

520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH

520.3330 CULVERT PIPE CLASS III-A 30-INCH

520.1030 APRON ENDWALLS FOR CULVERT PIPE 30-INCH

		MINIMUM T	THICKNESS (IN.)	REMOVING SMALL PIPE CULVERTS	CULVERT PIPE CLASS III-A 18-INCH	APRON ENDWALLS FOR CULVERT PIPE 18-INCH	CULVERT PIPE CLASS III-A 30-INCH	APRON ENDWALLS FOR CULVERT PIPE 30-INCH
STATION	LOCATION	STEEL	ALUMINUM	EACH	LF	EACH	LF	EACH
10+35	28' RT	-	-	1	-	-	-	-
10+45	30' LT	-	-	1	-	-	-	-
10+70	46' RT	0.079	0.075	-	-	-	44	2
10+70	49' LT	0.064	0.060	-	44	2	-	-
	TOTAL:			2	44	2	44	2

625.0500 SALVAGED TOPSOIL 627.0200 MULCHING

629.0210 FERTILIZER TYPE B

630.0120 SEEDING MIXTURE NO. 20

630.0200 SEEDING TEMPORARY

624.0100 WATER

					SALVAGED TOPSOIL	MULCHING	FERTILIZER	SEEDING #20	SEEDING TEMPORARY	WATER*
	STATION	-	STATION	LOCATION	SY	SY	CWT	LB	LB	MGAL
	8+00	-	12+00	RT	1140	1345	1.00	43	43	36
	9+00	-	12+00	LT	595	775	0.60	25	25	21
UNDISTRIBUTED					175	210	0.20	7	7	6
TOTALS:					1910	2330	1.80	75	75	63

*ADDITIONAL QUANTITY INCLUDED WITH BASE AGGREGATE ITEMS.

628.1504 SILT FENCE

628.1520 SILT FENCE MAINTENANCE

				FENCE	MAINT.
STATION	-	STATION	LOCATION	LF	LF
9+00	-	10+09	LT	140	140
9+50	-	9+83	RT	70	70
9+90	-	10+58	RT	120	120
10+16	-	10+60	LT	70	70
UNDI	STRIB	UTED		100	100
			TOTALS:	500	500

628.2008 EROSION MAT URBAN CLASS I TYPE B

	URBAN
	CLASS I
	TYPE B
LOCATION	SY
STA 8+00 - STA 9+53, RT	138
C-32-0099 INLET	142
C-32-0099 OUTLET	77
STA 10+95 - STA 12+00, LT	94
STA 10+95 - STA 12+00, RT	94
UNDISTRIBUTED	105
TOTALS:	650

628.1905 MOBILIZATIONS EROSION CONTROL

PLOT NAME :

628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL

	MOBILIZATION	EMERGENCY MOB.
DESCRIPTION	EACH	EACH
PROJECT 5436-00-70	2	2
TOTALS:	2	2

PROJECT NO: 5436-00-70

HWY: CTH M

COUNTY: LA CROSSE

MISCELLANEOUS QUANTITIES

SHEET

FILE NAME F: #9200s#9260s#9262cm09262007#Estimote#9262007_MiscOty & Earthwork Borders.dgn

PLOT DATE :2/1/2016

PLOT BY : janyder

ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010.

643.0420 TRAFFIC CONTROL BARRICADES TYPE III 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A

				TRAFFIC	TRAFFIC
		TRAFFIC	TRAFFIC	CONTROL	CONTROL
		CONTROL	CONTROL	WARNING	WARNING
		BARRICADES	BARRICADES	LIGHTS	LIGHTS
DESCRIPTION		TYPE III	TYPE III	TYPE A	TYPE A
	DAYS	EACH	DAYS	EACH	DAYS
PROJECT 5436-00-70	59	26	1534	44	2596
TOTALS:			1534	•	2596

643.0900 TRAFFIC CONTROL SIGNS 643.3000 TRAFFIC CONTROL DETOUR SIGNS 643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II

				TRAFFIC	TRAFFIC	TRAFFIC
		TRAFFIC	TRAFFIC	CONTROL	CONTROL	CONTROL
		CONTROL	CONTROL	DETOUR	DETOUR	COVERING
DESCRIPTION		SIGNS	SIGNS	SIGNS	SIGNS	SIGNS TYPE II
	DAYS	EACH	DAYS	EACH	DAYS	EACH
PROJECT 5436-00-70	59	20	1180	146	8614	8
TOTALS:			1180		8614	8

646.0106 PAVEMENT MARKING EPOXY 4-INCH

				PAVEMENT	PAVEMENT
				MARKING	MARKING
				YELLOW	WHITE
STATION	-	STATION	LOCATION	LF	LF
9+00	-	12+00	CENTERLINE - DOUBLE SOLID	600	-
9+00	-	12+00	EDGELINE LT & RT - SOLID	-	600
			TOTAL:	600	600

650.4500 CONSTRUCTION STAKING SUBGRADE 650.5000 CONSTRUCTION STAKING BASE 650.9920 CONSTRUCTION STAKING SLOPE STAKES 650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL 5436-00-70

					SLOPE	SUPPLEMENTAL
			SUBGRADE	BASE	STAKES	CONTROL
STATION	-	STATION	LF	LF	LF	LS
8+00	-	12+00	400	-	400	-
9+00	-	12+00	-	300	-	-
		TOTALS:	400	0	400	1

690.0150 SAWING ASPHALT

STATION	LF
9+00	24
12+00	25
TOTAL:	49

628.7504 TEMPORARY DITCH CHECKS

		TEMPORARY DITCH CHECKS
STATION	LOCATION	LF
8+00	RT	20
12+00	RT	20
UNDISTR	RIBUTED	20
	TOTAL:	60

633.5100 MARKERS ROW

STATION	OFFSET	LOCATION	EACH
7+75	41.75	RT	1
7+75	39.92	LT	1
8+78.33	38.92	LT	1
9+50	65.00	RT	1
9+65	39.65	LT	1
9+85	67.00	LT	1
10+50	65.00	RT	1
10+50	67.00	LT	1
12+00	38.83	RT	1
12+00	43.91	LT	1
		TOTAL:	10

633.5200 MARKERS CULVERT END

STATION	LOCATION	EACH
9+83	32' RT	1
9+94	33' LT	1
10+00	32' RT	1
10+11	33' LT	1
	TOTAL:	4
·	·	

638.2602 REMOVING SIGNS TYPE II 638.3000 REMOVING SMALL SIGN SUPPORTS

			REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS	
	STATION	LOCATION	EACH	EACH	COMMENTS
	9+85	LT	1	1	EXISTING OBJECT MARKER
	9+85	RT	1	1	EXISTING OBJECT MARKER
	10+15	LT	1	1	EXISTING OBJECT MARKER
	10+15	RT	1	1	EXISTING OBJECT MARKER
-		TOTALS:	4	4	

HWY: CTH M

FILE NAME F: #9200a#9260a#9262#09262007#Estimote#9262007_MiscOty & Eorthwork Borders.dgn

COUNTY: LA CROSSE

MISCELLANEOUS QUANTITIES

PLOT SCALE :1:20

9262007_MiscQty & Earthwork Borders.dgn 2/1/2016 1:05:39 PM jsnyder

PROJECT NO: 5436-00-70

PLOT DATE :2/1/2016 PLOT BY : janyder PLOT NAME :

WISOUT/CADDS SHEET 43

SHEET

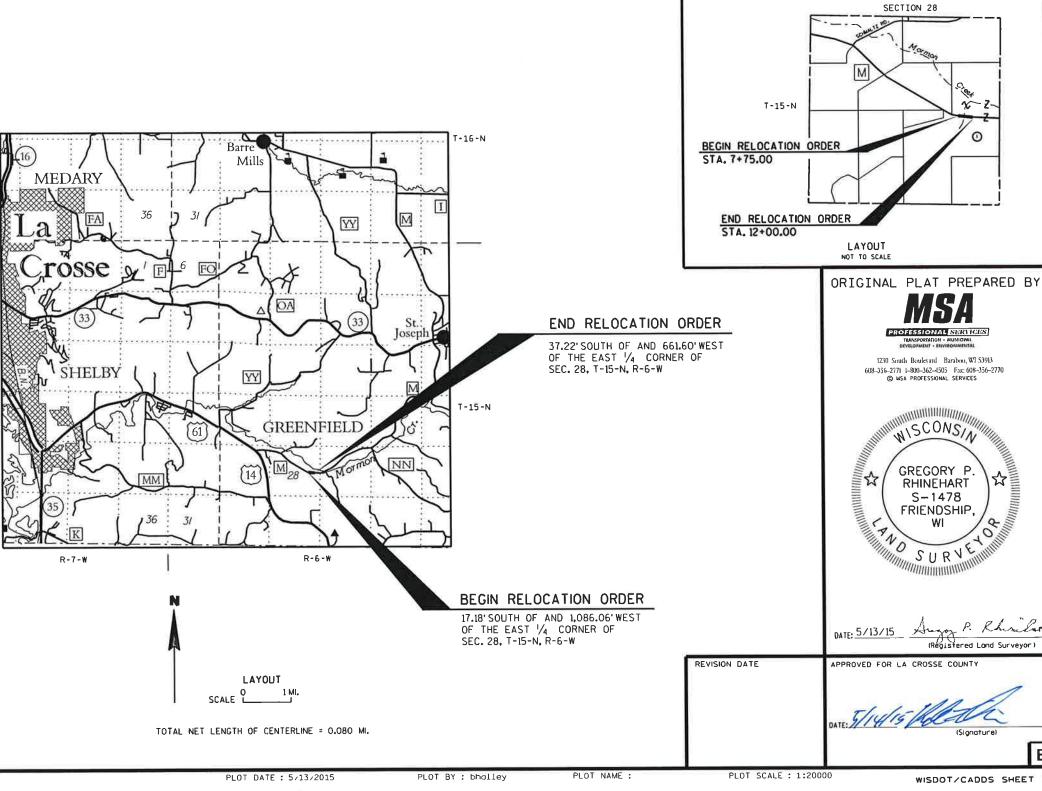


NOTES

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES. LA CROSSE COUNTY NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPCIALLY 3/4" X 24" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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



FILE NAME: P:\9200s\9260s\9262\09262007\caddWDOT\Planshts\RW-TS.dgn

WISDOT/CADDS SHEET 50

R/W PROJECT NUMBER

5436-00-00 FEDERAL PROJECT NUMBER

CONSTRUCTION PROJECT NUMBER

5436-00-70

PLAT OF RIGHT-OF-WAY REQUIRED FOR USH 14 - CTH NN

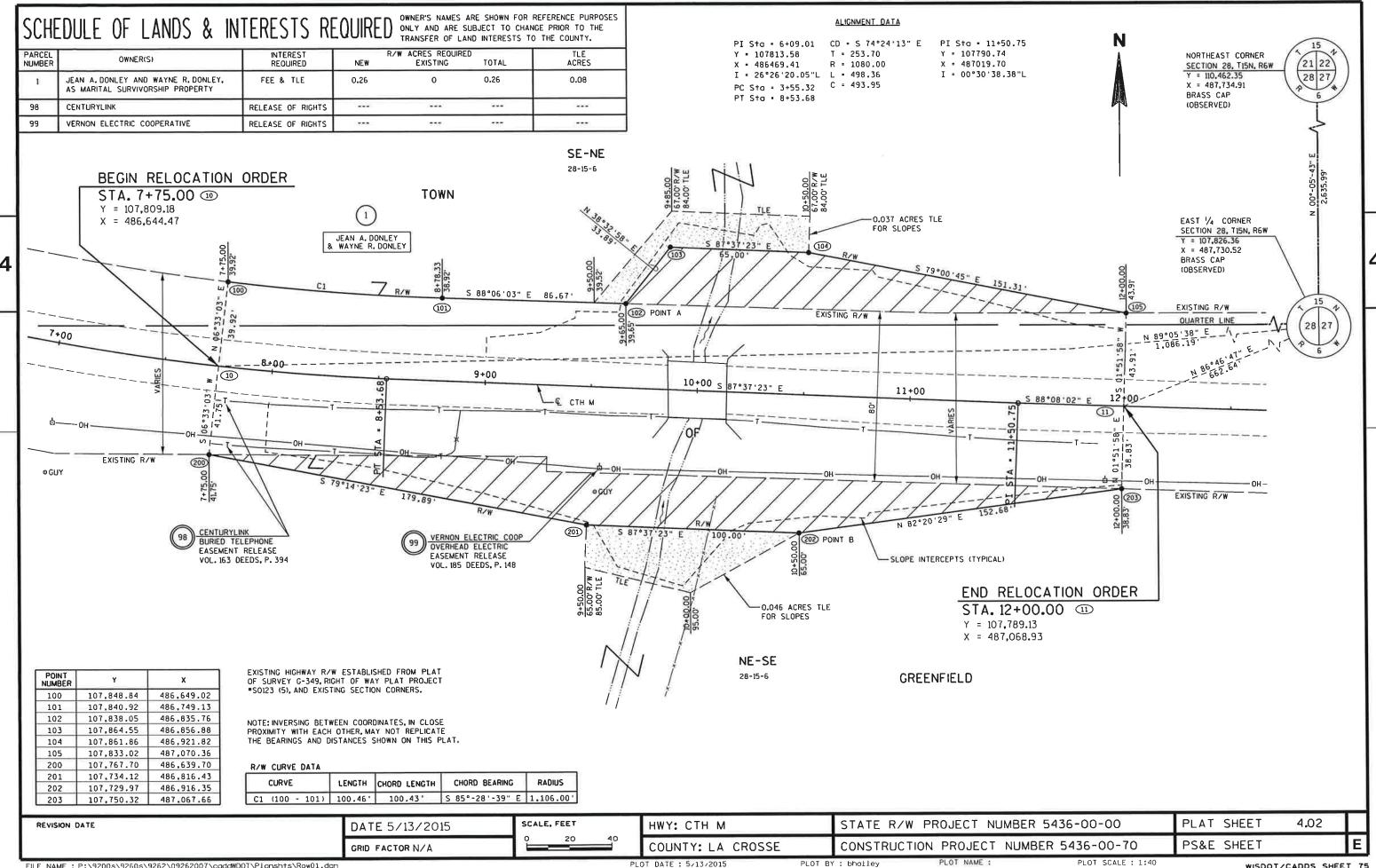
(BRANCH MORMON CREEK BRIDGE C-32-0099)

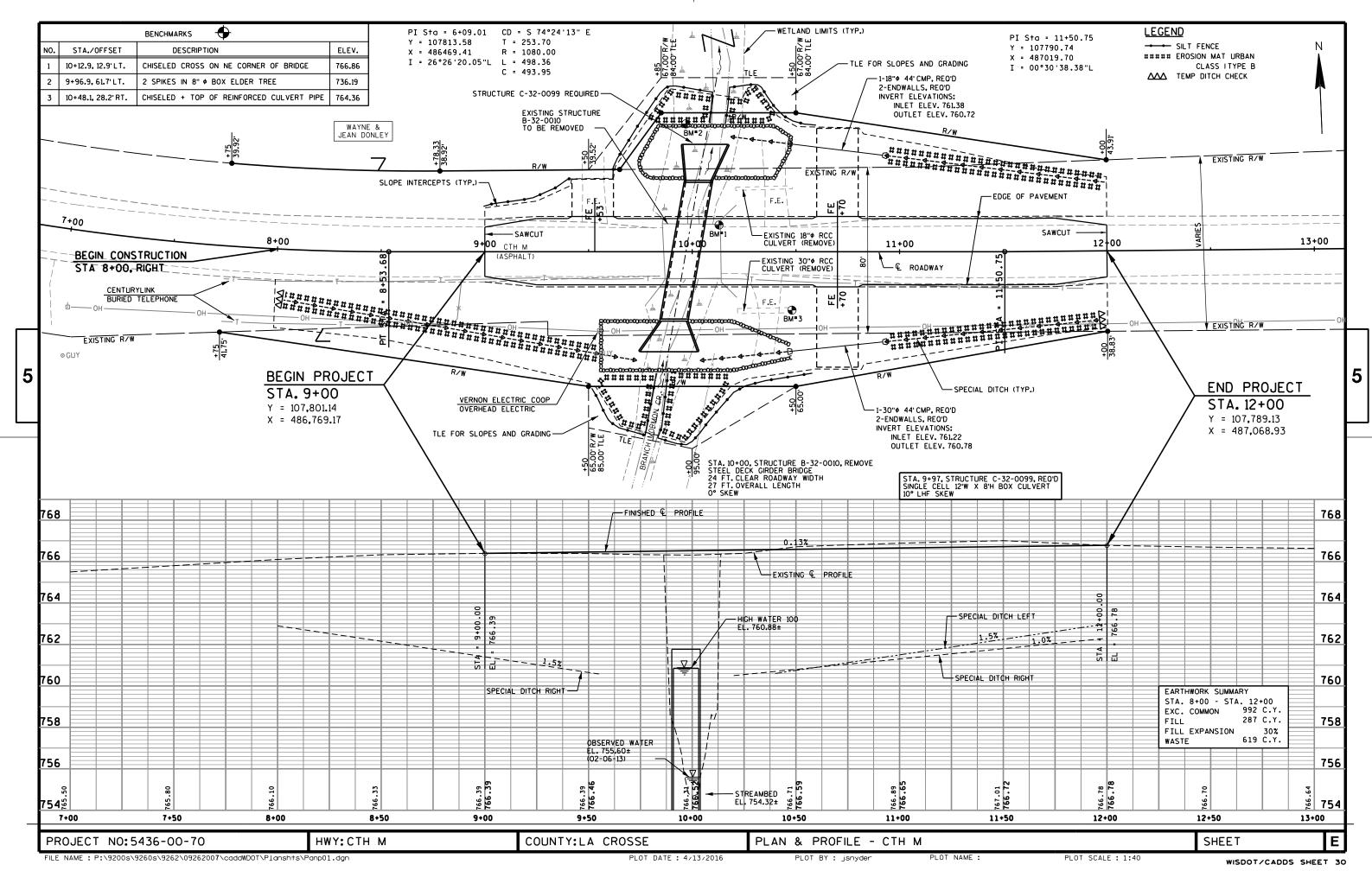
R-6-W

SHEET TOTAL NUMBER SHEET

4.01

LA CROSSE COUNTY





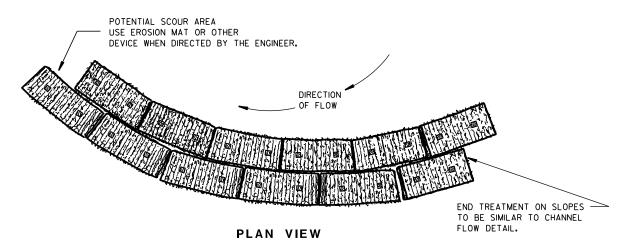
Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
I2A03-10	NAME PLATE (STRUCTURES)
I5A01-12A	MARKER POST FOR RIGHT-OF-WAY
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
I5A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
I5C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-16A	PAVEMENT MARKING (MAINLINE)

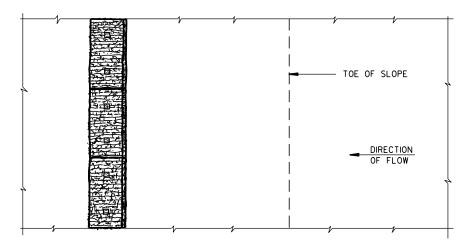
GENERAL NOTES

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.

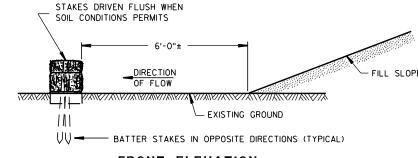
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF **EROSION BALES / TEMPORARY** DITCH CHECKS

6

 ∞

 ∞

Ω

Δ

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

6

Ō Ö

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.

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 2 FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 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

တ ∞

 ∞

Δ

	METAL APRON ENDWALLS										
PIPE	MIN. 1	THICK.			DIMENS	SIONS (II	nches)			APPROX.	
DIA.	(Incl		A	В	Н	L	Lį	L ₂	W	SLOPE	BODY
(IN.)	STEEL	ALUM.	(±]")	(MAX.)	(±]")	(±1½")	①	0	(±2")		
12	.064	.060	6	6	6	21	12	171/2	24	21/2+o 1	1Pc.
15	.064	.060	7	8	6	26	14	213/4	30	2½+o 1	1Pc.
18	.064	.060	8	10	6	31	15	281/4	36	2½+o 1	1Pc.
21	.064	.060	9	12	6	36	18	29%	42	$2\frac{1}{2}$ to 1	1Pc.
24	.064	. 075	10	13	6	41	18	371/4	48	$2\frac{1}{2}$ to 1	1Pc.
30	.079	. 075	12	16	8	51	18	521/4	60	$2\frac{1}{2}$ to 1	1Pc.
36	.079	. 105	14	19	9	60	24	59¾	72	$2\frac{1}{2}$ to 1	2 Pc.
42	.109	. 105	16	22	11	69	24	75%	84	$2\frac{1}{2}$ 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	21/4+0 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×		18	45	12	87	_	_	138	1/2+0 1	3 Pc.
90	.109×	.105×	18	37	12	87	_	_	144	1/2+0 1	3 Pc.
96	.109×	.105×	18	35	12	87	_		150	11/2+0 1	3 Pc.

* EXCEPT CENTER PANEL

SEE GENERAL NOTES

PLAN VIEW

END VIEW

SIDE ELEVATION

METAL ENDWALLS

SHOULDER

SLOPE

	REINFORCED CONCRETE APRON ENDWALLS									
PIPE		DIMENSIONS (Inches)								
DIA.	Т	A	В	С	D	E	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	$2\frac{1}{2}$	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	$49^{1/2}$	24	731/2	54	31/4	3 to 1		
30	31/2	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	* ** 33 ¹ / ₄ -35	* 98 ¹ / ₄ - 100	90	51/2	2% to 1		
60	6	* ** 30-35	60	39	99	96	5	2 to 1		
66	61/2		* ** 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	11/2+0 1		
90	81/2	41	871/2	24	1111/2	132	61/2	11/2+0 1		

*MINIMUM

PLAN

END VIEW

END SECTION

GROOVED END ON OUTLET END SECTION TONGUE END ON INLET END SECTION

BAR OR STEEL FABRIC

REINFORCEMENT

LONGITUDINAL SECTION

CONCRETE ENDWALLS

OPTIONAL

1 1/2" R

CULVERT

MEASURED LENGTH

OF CULVERT (TO-

NEAREST FOOT)

DESIGN

REINFORCED

SECTION A-A)

END CORNER PLATES MAY

BE FASTENED TO APRON

THE SURFACES TIGHTLY

TOGETHER

PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD

TOE PLATE (SAME THICKNESS

AND METAL AS APRON) SHALL

BE FURNISHED WHEN CALLED

FOR ON THE PLANS

FDGE (SFE

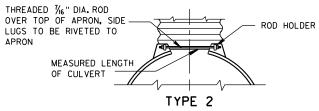
END SECTION CONNECTOR STRAP LUG

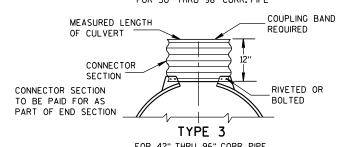
1" WIDE, 12 GA. (0.109"

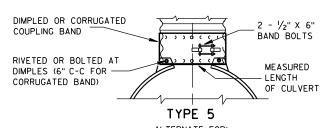
THICK) GALVANIZED STRAP

WITH STANDARD 6" X 1/2" BAND BOLT AND NUT

TYPE 1 FOR 12" THRU 24" CORR. PIPE





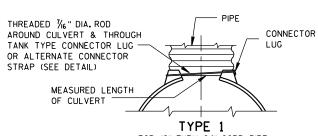


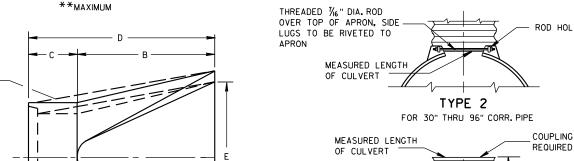
ALTERNATE FOR: ALL SIZES CORRUGATED CIRCULAR PIPE

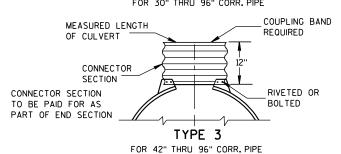
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

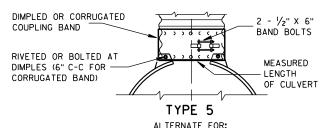
CONNECTION DETAILS 1, 2 OR 5.

ALTERNATE FOR TYPE 1 CONNECTION







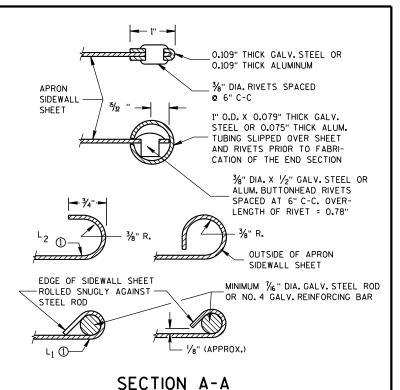


FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5

FOR HELICALLY CORRUGATED PIPE USE ENDWALL

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

CONNECTION DETAILS



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.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

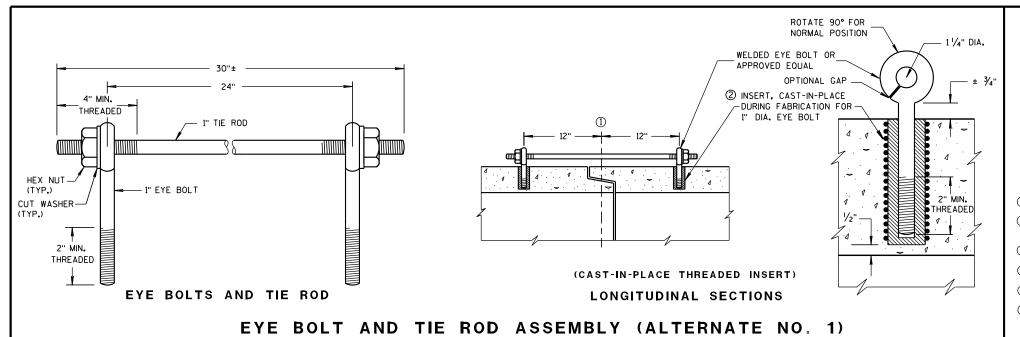
11/30/94 /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER

END CORNER

1/16" DIA. HOLES FOR

BOLTS OR RIVETS -

12" C-C MAX. SPACING



GENERAL NOTES

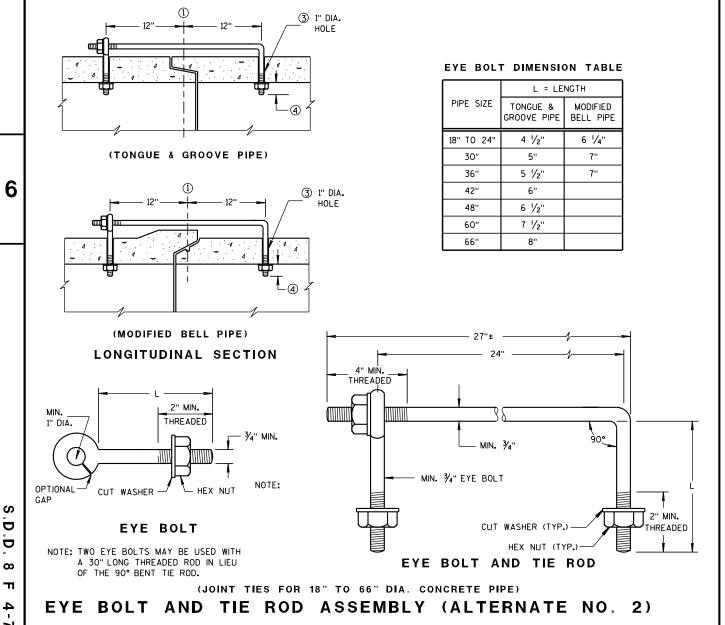
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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.

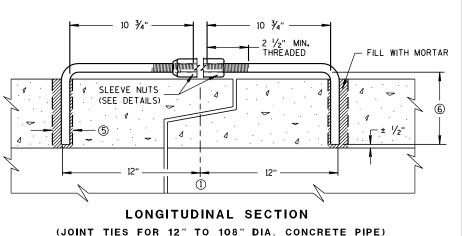
JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

- (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.

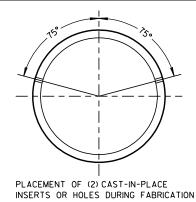


D

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

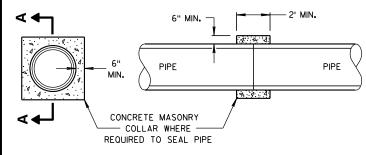


ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

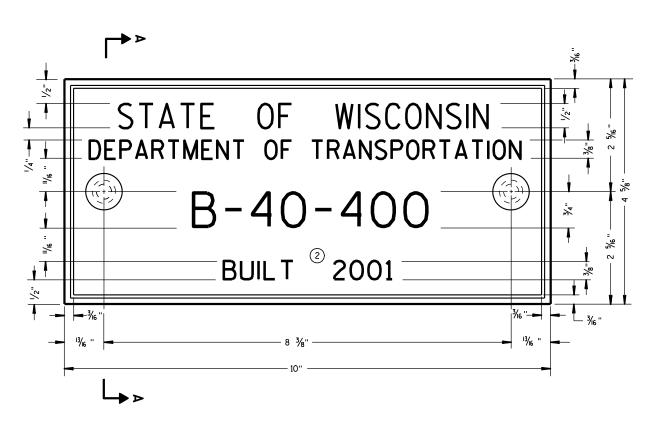
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

 ∞

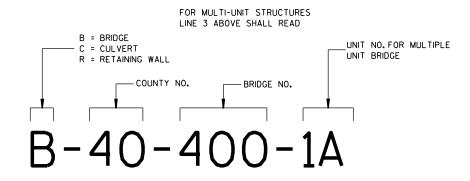
Ω





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



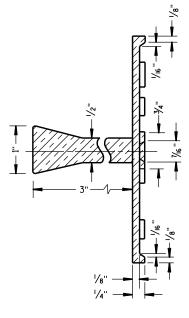
NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

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.

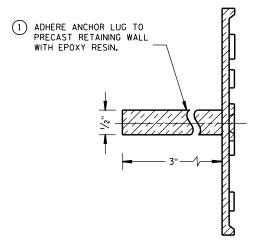
- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- (2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

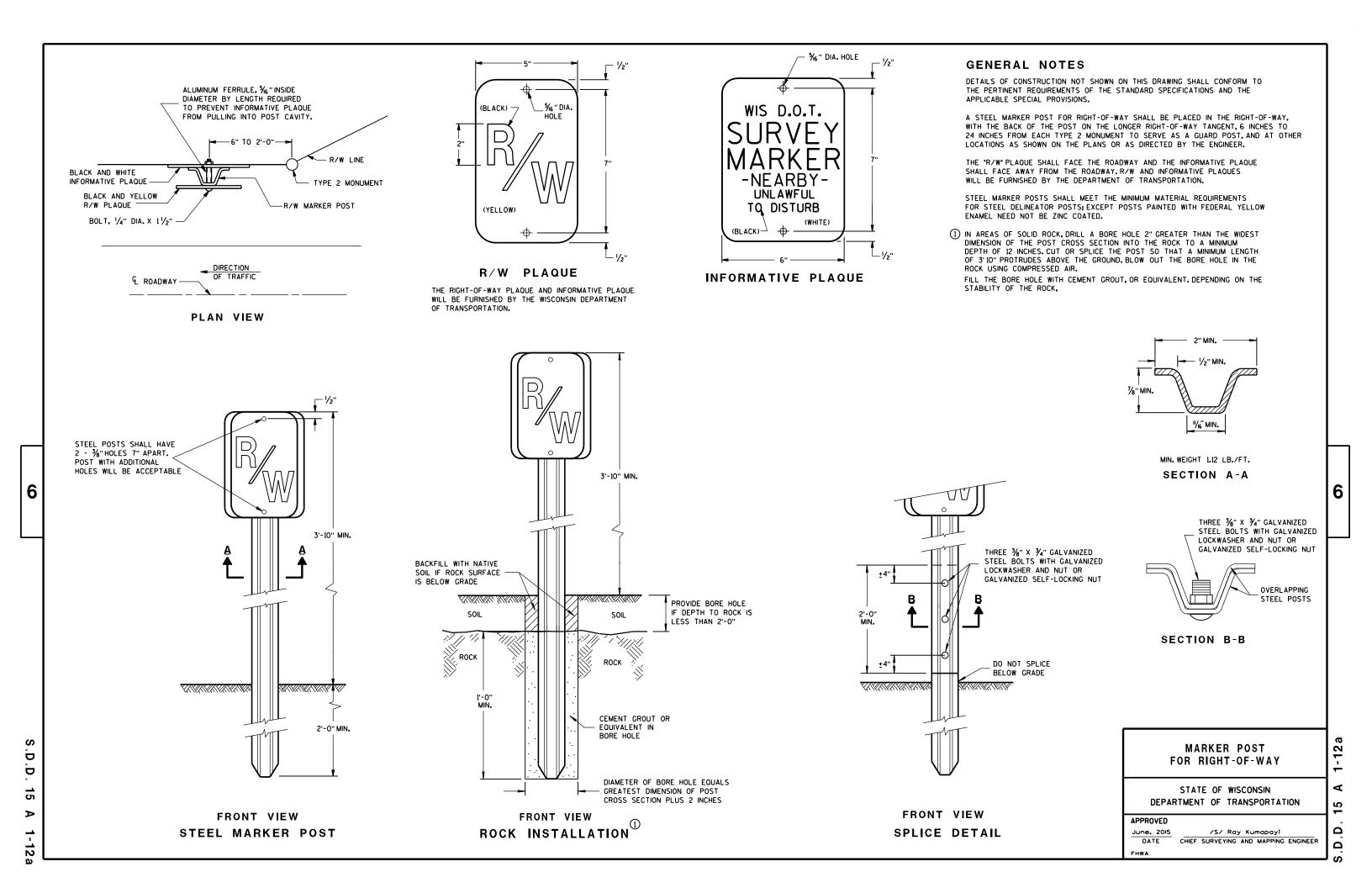
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

 D. 12 A 3-10









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

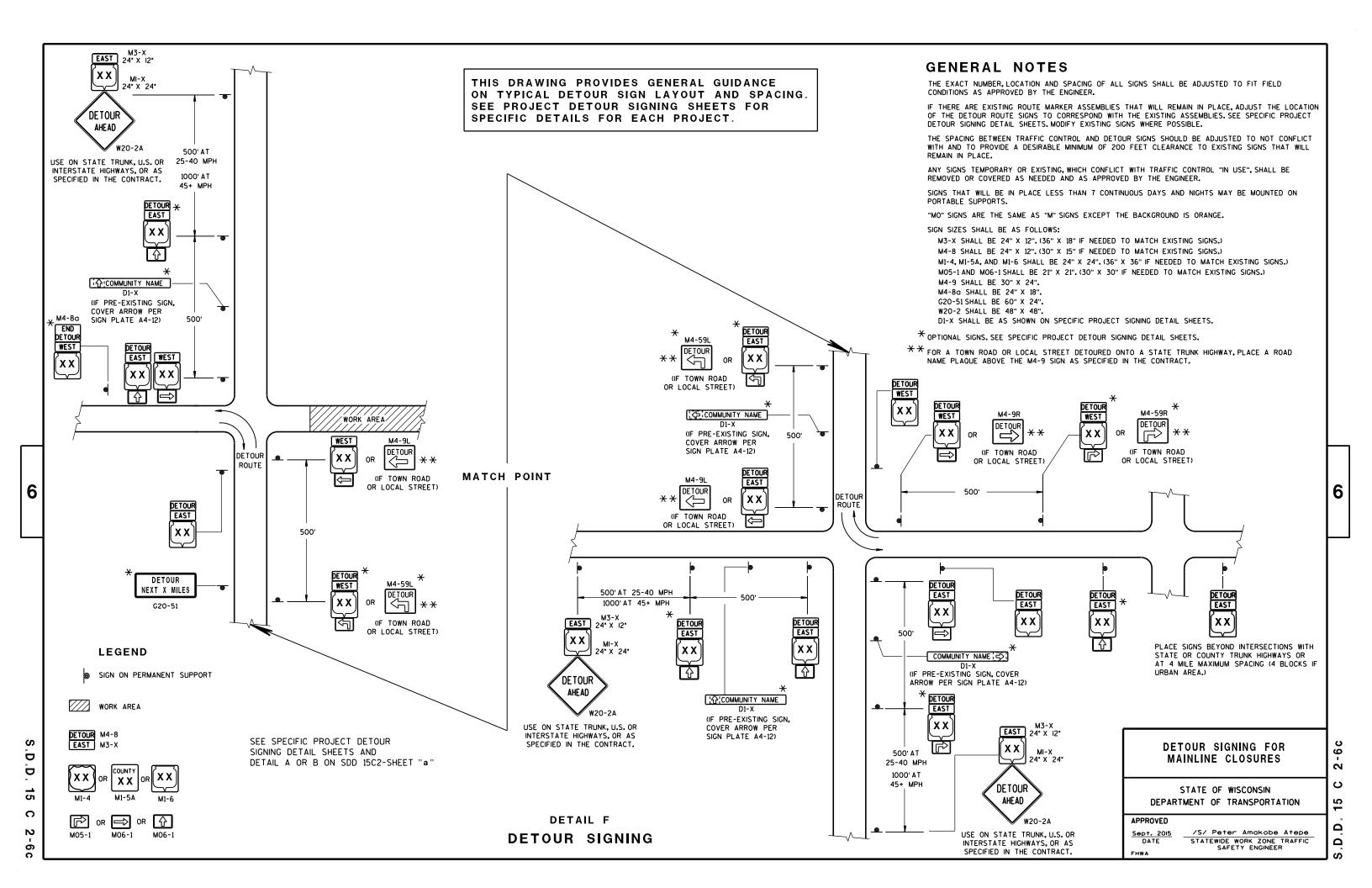
2

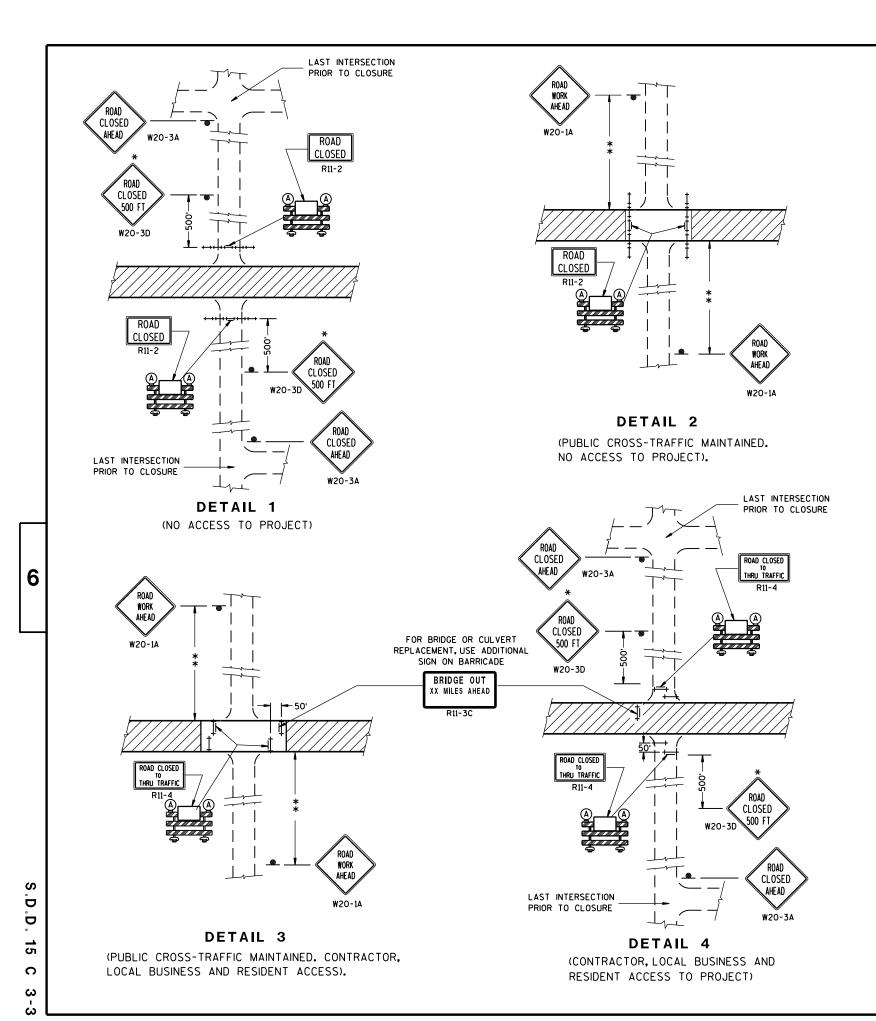
Ω

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 PORTABLE SUPPORTS.

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

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

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

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

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

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

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH
ATTACHED SIGN

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

WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

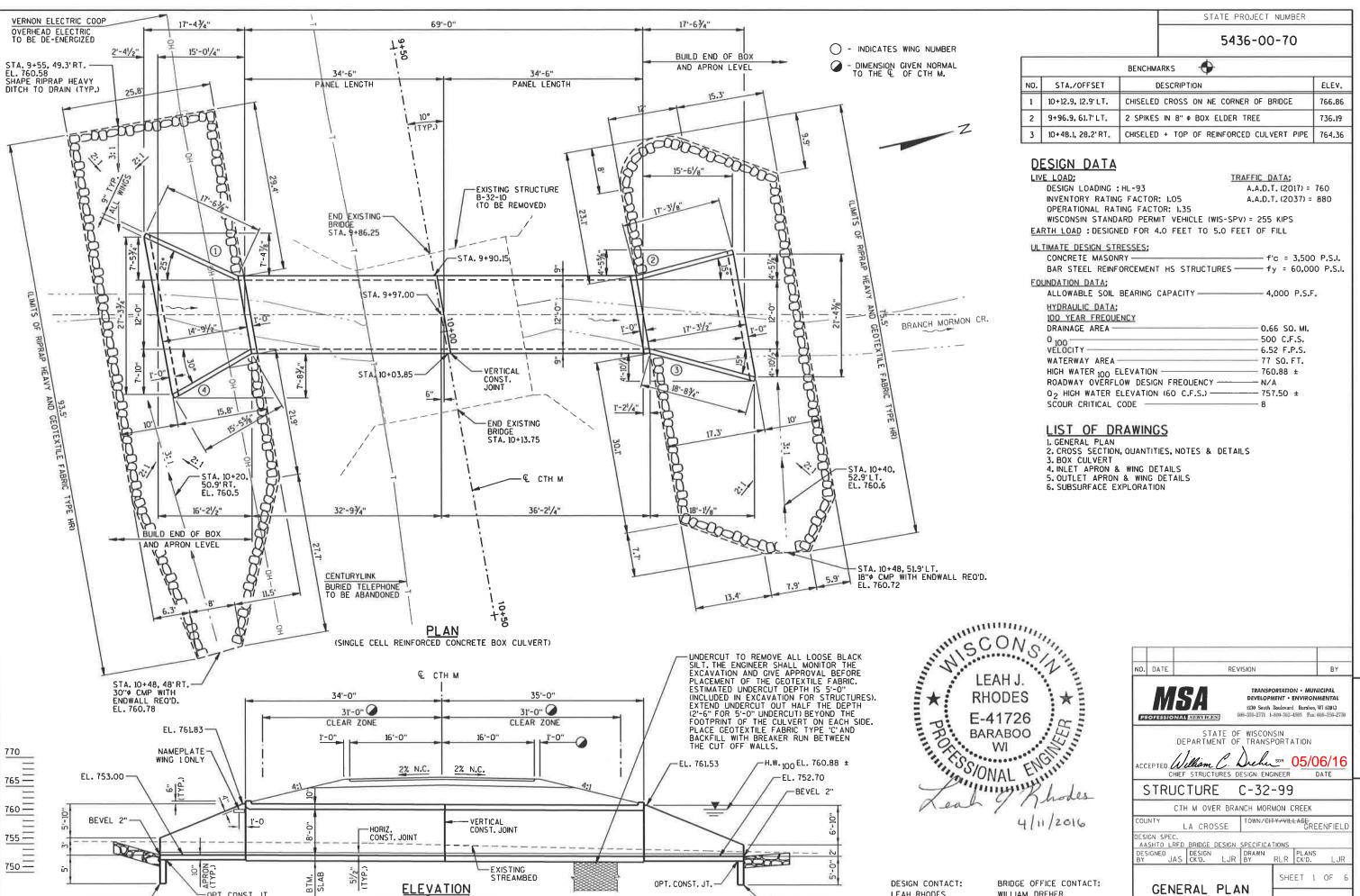
APPROVED

Sept. 2015

DATE
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

S.D.D. 15 C 3





OUTLET

LEAH RHODES

(608) 355-8945

CUT OFF WALL

WILLIAM DREHER

(608) 266-8489

8

-OPT. CONST. JT.

INLET

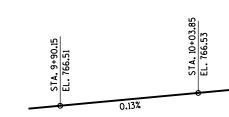
(NORMAL TO € BOX CULVERT) (LOOKING EAST)

CUT OFF WALL

5436-00-70

STRUCTURE ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
203.0600.S.01	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 10+00	LS	1
206.2000.01	EXCAVATION FOR STRUCTURES CULVERTS C-32-99	LS	1
210.0100	BACKFILL STRUCTURE	CY	1195
311.0115	BREAKER RUN	CY	390
504.0100	CONCRETE MASONRY CULVERTS	CY	131
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	19,450
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	23
606.0300	RIPRAP HEAVY	CY	280
645.0105	GEOTEXTILE FABRIC TYPE C	SY	382
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	530
SPV.0105.01	TEMPORARY WATER DIVERSION, CULVERT C-32-99	LS	1
	NON-BID ITEMS		
	PREFORMED FILLER	SIZE	3/4"



PROFILE GRADE LINE - CTH M

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 MARK SIGNIFIES THE BAR SIZE.

THE CONCRETE IN THE CUT OFF WALL MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

THE ALTERNATE CUT OFF WALL MAY BE USED IN LIEU OF THE CAST IN PLACE CUT OFF WALLS. PAYMENT SHALL BE BASED ON CONCRETE CUT OFF WALLS.

REMOVE THE EXISTING TIMBER PILING TO EL. 757.0 OR BELOW.

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE AND BREAKER RUN SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TO THE ELEVATION OF THE ROADWAY SUBGRADE. THE BACKFILL STRUCTURE ESTIMATED QUANTITIES ASSUMED A 1½: 1 EXCAVATION SLOPE. BACKFILL STRUCTURE IS REQUIRED BEHIND ALL WING WALLS.

THIS STRUCTURE WILL REPLACE EXISTING BRIDGE B-32-10, A 27 FT. LONG SINGLE SPAN STEEL DECK GIRDER BRIDGE ON TIMBER BACKED ABUTMENTS AND TIMBER PILING.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS (C-32-99)" SHALL BE THE EXISTING GROUND LINE.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS IN CHAPTER 36 STANDARDS OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "STRUCTURE ESTIMATED QUANTITIES".

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO NAVD 88 (1996 ADJUSTED), AND WERE ESTABLISHED AT THE SITE USING GPS TECHNOLOGY.

APRONS AND BOTTOM SLAB MAY BE POURED CONTINUOUSLY.

NO. DATE REVISION BY

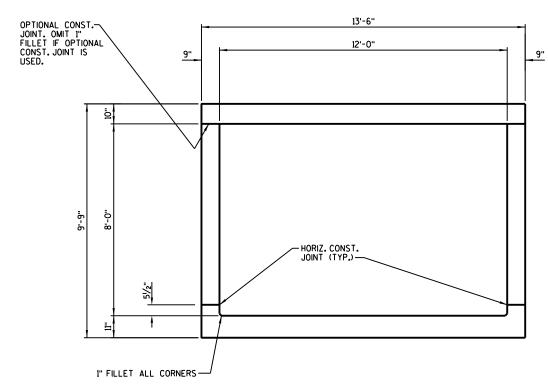
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-32-99

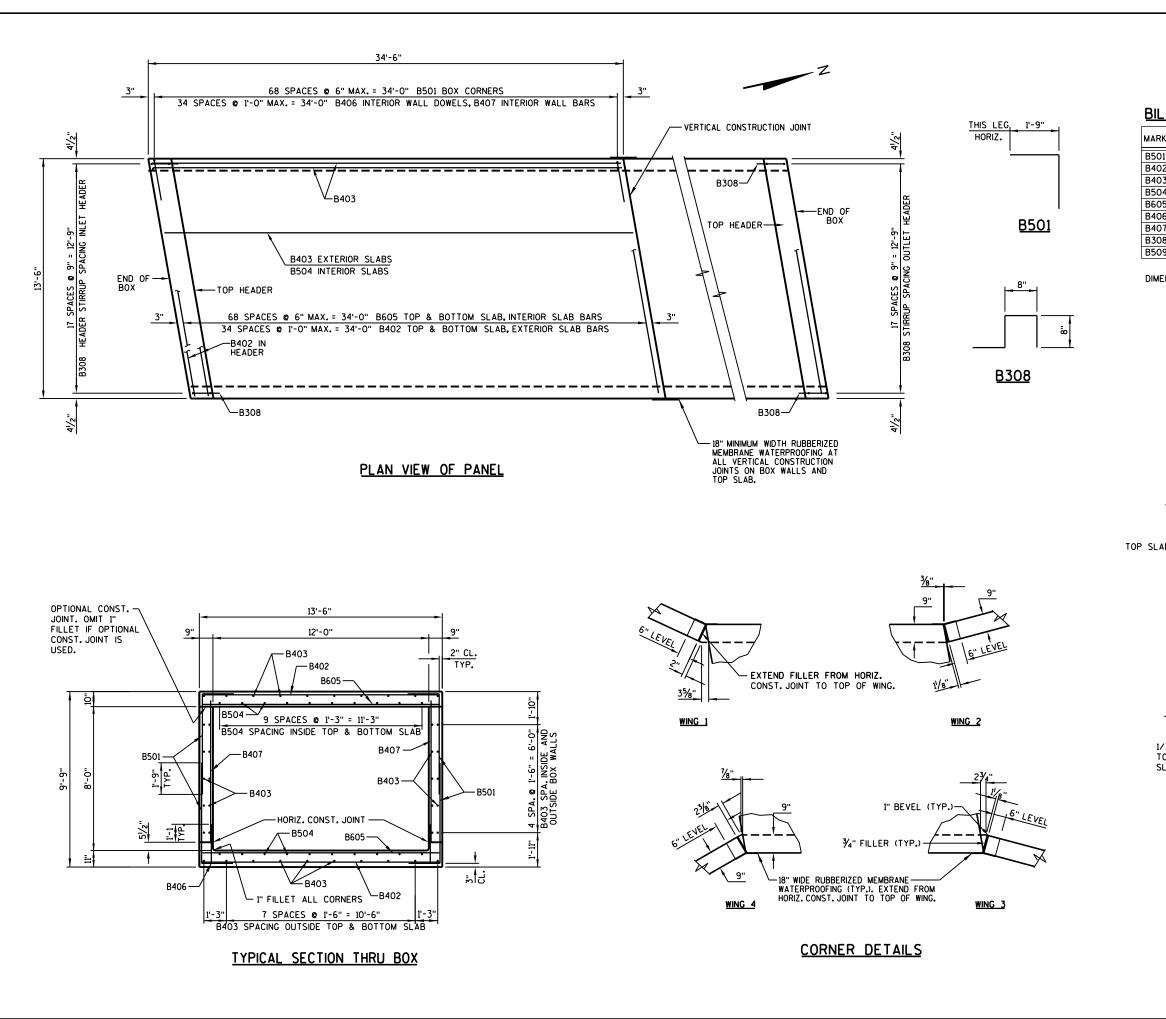
DRAWN BY RLR PLANS CKD. LJR

CROSS SECTION, OUANTITIES, NOTES
& DETAILS

8



TYPICAL SECTION THRU BOX



5436-00-70

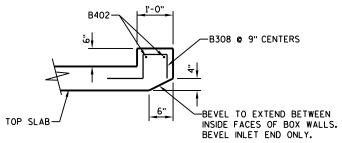
STATE PROJECT NUMBER

BILL OF BARS

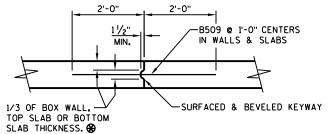
UNCOATED 15,385 LBS.

MARK	NO. REO'D.	LENGTH	BENT	LOCATION
B501	552	7'-3"	Х	BOX CORNERS - TOP & BOTTOM - TRANS.
B402	144	13'-4"		BOX EXTERIOR SLABS & HEADERS - TRANS.
B403	80	34'-2"		BOX EXTERIOR SLABS & WALLS - LONGIT.
B504	40	34'-2"		BOX INTERIOR SLABS - LONGIT.
B605	276	13'-4"		BOX INTERIOR SLABS - TRANS.
B406	140	2'-2"		BOX INTERIOR WALL DOWELS - VERT.
B407	140	7'-10''		BOX INTERIOR WALLS - VERT.
B308	36	2'-3"	X	BOX HEADER STIRRUPS - VERT.
B509	44	4'-0"		BOX VERT. CONST. JOINT DOWELS - VERT.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.



SECTION THRU TOP HEADER



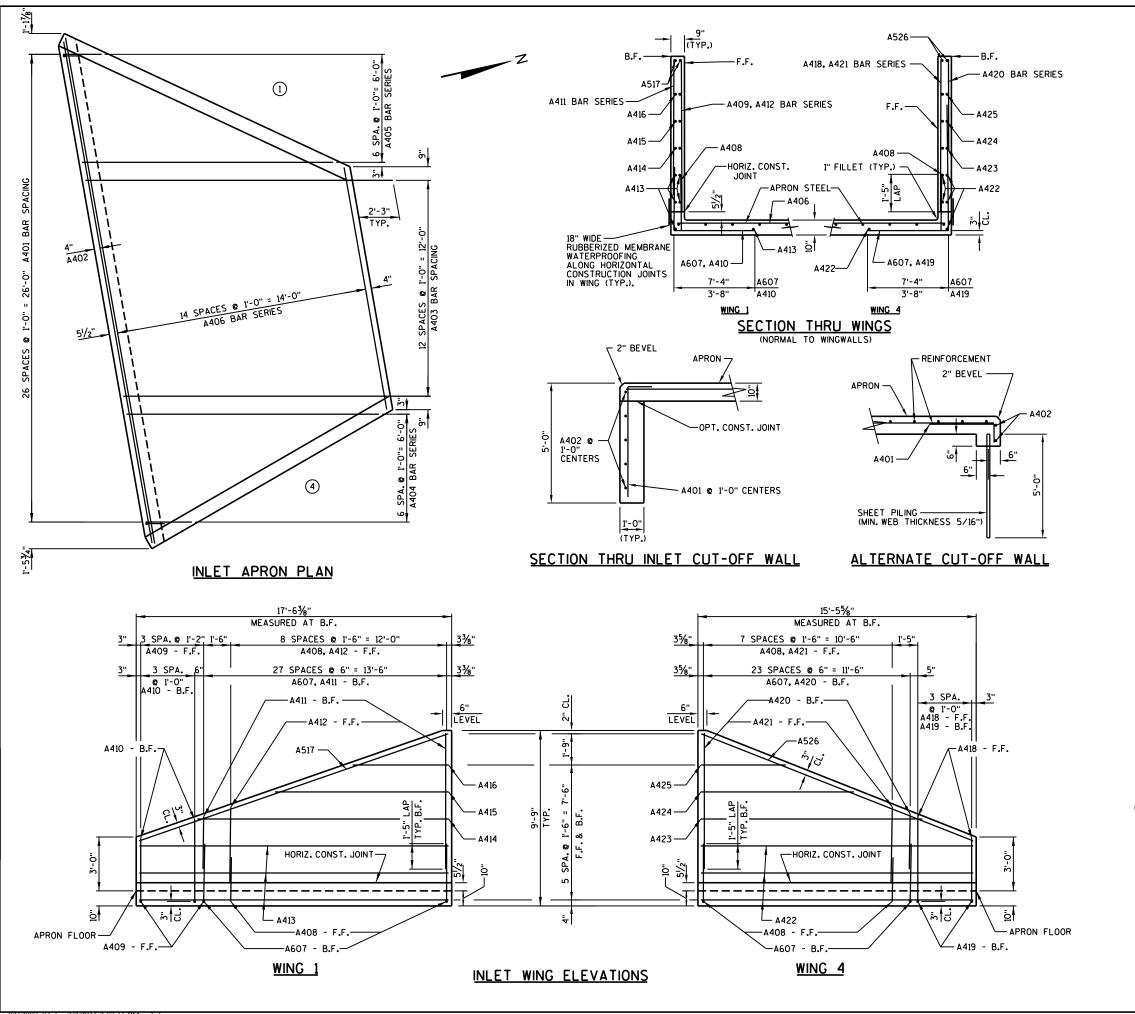
♣ -IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.

VERTICAL CONSTRUCTION JOINT

NO.	IO. DATE REVISION						
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION							
STRUCTURE C-32-99							
			DRAWN	RLR	PLANS CK'D.	JAS	

BOX CULVERT

SHEET 3 OF 6



STATE PROJECT NUMBER

5436-00-70

BILL OF BARS

UNCOATED 2060 LBS.

			1		
MARK	NUMBER REQUIRED	LENGTH	BENT	BAR SERIES	LOCATION
A401	27	5'-6"	x		INLET APRON CUT-OFF WALL - VERT.
A402	5	28'-3"			INLET APRON CUT-OFF WALL - TRANS.
A403	13	17'-1"			INLET APRON - LONGIT.
A404	7	8'-3"		*	INLET APRON @ WING 4 - LONGIT.
A405	7	8'-0"		*	INLET APRON @ WING 1 - LONGIT.
A406	15	21'-1"		*	INLET APRON - TRANS.
A607	52	10'-5"	X		WINGS 1 & 4 - B.F. DOWELS - VERT.
A408	17	2'-6"			WINGS 1 & 4 - F.F. DOWELS - VERT.
A409	4	4'-1"		*	WING 1 - F.F END - VERT.
A410	4	7'-7"	X	*	WING 1 - B.F END - VERT.
A411	28	5'-3"		*	WING 1 - B.F VERT.
A412	9	6'-3"		*	WING 1 - F.F VERT.
A413	6	17'-2"			WING 1 & INLET APRON - LONGIT.
A414	2	13'-11"			WING 1 - F.F. & B.F LONGIT.
A415	2	9'-7"			WING 1 - F.F. & B.F LONGIT.
A416	2	5'-4"			WING 1 - F.F. & B.F LONGIT.
A517	2	18'-2"			WING 1 - F.F. & B.F TOP - LONGIT.
A418	4	4'-1"		*	WING 4 - F.F END - VERT.
A419	4	7'-8"	х	*	WING 4 - B.F END - VERT.
A420	24	5'-4"		*	WING 4 - B.F VERT.
A421	8	6'-3"		*	WING 4 - F.F VERT.
A422	6	15'-1"			WING 4 & INLET APRON - LONGIT.
A423	2	12'-3"			WING 4 - F.F. & B.F LONGIT.
A424	2	8'-6"			WING 4 - F.F. & B.F LONGIT.
A425	2	4'-8"			WING 4 - F.F. & B.F LONGIT.
A526	2	16'-2"			WING 4 - F.F. & B.F TOP - LONGIT.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

* - LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS. BENT BARS IF USED IN BAR SERIES TABLE SHALL BE BENT AFTER CUTTING.

BAR SERIES TABLE



MARK	Α
A401	1'-0''
A607	7'-4"
A410	3'-8"
ΔΔ19	

MARK	NO. REQUIRED	LENGTH
A404	1 SERIES OF 7	2'-6" TO 14'-0"
A405	1 SERIES OF 7	2'-1" TO 13'-11"
A406	1 SERIES OF 15	13'-8" TO 28'-6"
A409	1 SERIES OF 4	3'-6" TO 4'-8"
A410	1 SERIES OF 4	7'-1" TO 8'-1"
A411	1 SERIES OF 28	2'-11" TO 7'-7"
A412	1 SERIES OF 9	4'-2" TO 8'-4"
A418	1 SERIES OF 4	3'-6" TO 4'-8"
A419	1 SERIES OF 4	7'-1" TO 8'-3"
A420	1 SERIES OF 24	3'-1" TO 7'-7"
A421	1 SERIES OF 8	4'-2" TO 8'-4"

BUNDLE AND TAG EACH SERIES SEPARATELY

LEGEND

— INDICATES WING NUMBER

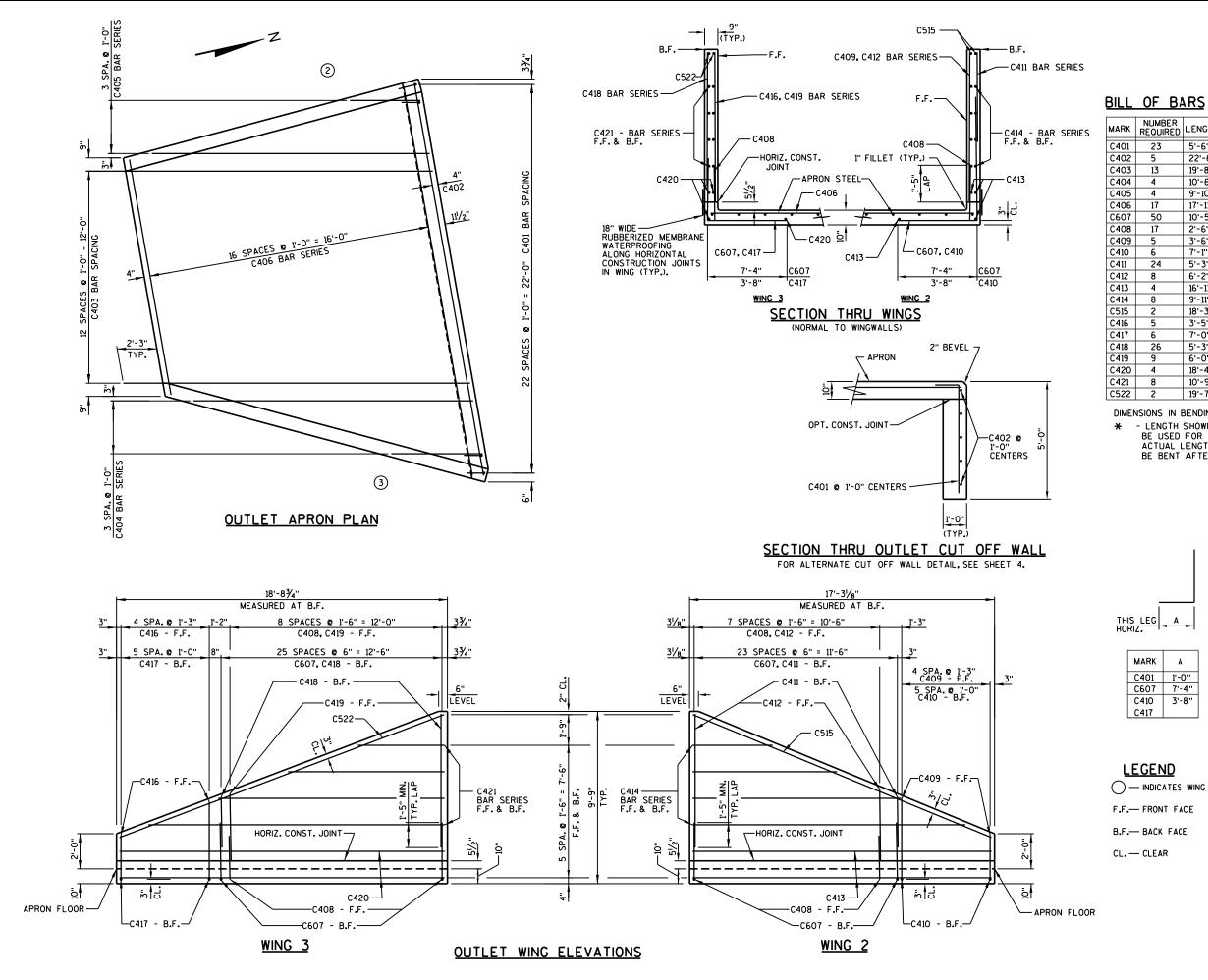
F.F. FRONT FACE

B.F.— BACK FACE

CL. — CLEAR

NO.	NO. DATE REVISION							Y	
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION								
_ (STRL	JC 1	TURE	C-32-	-99				04.49
				DRAWN BY RLR		PLANS CK'D.	JA	S	
	INLET APRON & SHEET 4 OF 6								3262007

WING DETAILS



UNCOATED 2005 LBS.

STATE PROJECT NUMBER

5436-00-70

MARK	NUMBER REQUIRED	LENGTH	BENT	BAR SERIES	LOCATION
C401	23	5'-6"	x		OUTLET APRON CUT-OFF WALL - VERT.
C402	5	22'-6"			OUTLET APRON CUT-OFF WALL - TRANS.
C403	13	19'-8"			OUTLET APRON - LONGIT.
C404	4	10'-6"		*	OUTLET APRON @ WING 3 - LONGIT.
C405	4	9'-10"		*	OUTLET APRON @ WING 2 - LONGIT.
C406	17	17'-11"		*	OUTLET APRON - TRANS.
C607	50	10'-5"	X		WINGS 2 & 3 - B.F. DOWELS - VERT.
C408	17	2'-6"			WINGS 2 & 3 - F.F. DOWELS - VERT.
C409	5	3'-6"		*	WING 2 - F.F END - VERT.
C410	6	7'-1"	X	*	WING 2 - B.F END - VERT.
C411	24	5'-3"		*	WING 2 - B.F VERT.
C412	8	6'-2"		*	WING 2 - F.F VERT.
C413	4	16'-11"			WING 2 & OUTLET APRON - LONGIT.
C414	8	9'-11"		*	WING 2 - F.F. & B.F LONGIT.
C515	2	18'-3"			WING 2 - F.F. & B.F TOP - LONGIT.
C416	5	3'-5"		*	WING 3 - F.F END - VERT.
C417	6	7'-0"	X	*	WING 3 - B.F END - VERT.
C418	26	5'-3"		*	WING 3 - B.F VERT.
C419	9	6'-0"		*	WING 3 - F.F VERT.
C420	4	18'-4"			WING 3 & OUTLET APRON - LONGIT.
C421	8	10'-9"		*	WING 3 - F.F. & B.F LONGIT.
C522	2	19'-7"			WING 3 - F.F. & B.F TOP - LONGIT.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

- LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS. BENT BARS IF USED IN BAR SERIES TABLE SHALL BE BENT AFTER CUTTING.

BAR SERIES TABLE

THIS LEG

MARK	Α
C401	1'-0"
C607	7'-4"
C410	3'-8"
C417	

MARK	NO. REQUIRED	LENGTH
C404	1 SERIES OF 4	5'-2" TO 15'-10"
C405	1 SERIES OF 4	4'-0" TO 15'-8"
C406	1 SERIES OF 17	13'-6" TO 22'-4"
C409	1 SERIES OF 5	2'-6" TO 4'-6"
C410	1 SERIES OF 6	6'-1" TO 8'-1"
C411	1 SERIES OF 24	2'-11" TO 7'-7"
C412	1 SERIES OF 8	4'-0" TO 8'-4"
C414	2 SERIES OF 4	4'-6" TO 15'-4"
C416	1 SERIES OF 5	2'-6" TO 4'-4"
C417	1 SERIES OF 6	6'-1" TO 7'-11"
C418	1 SERIES OF 26	2'-11" TO 7'-7"
C419	1 SERIES OF 9	3'-9" TO 8'-3"
C421	2 SERIES OF 4	4'-10" TO 16'-8"

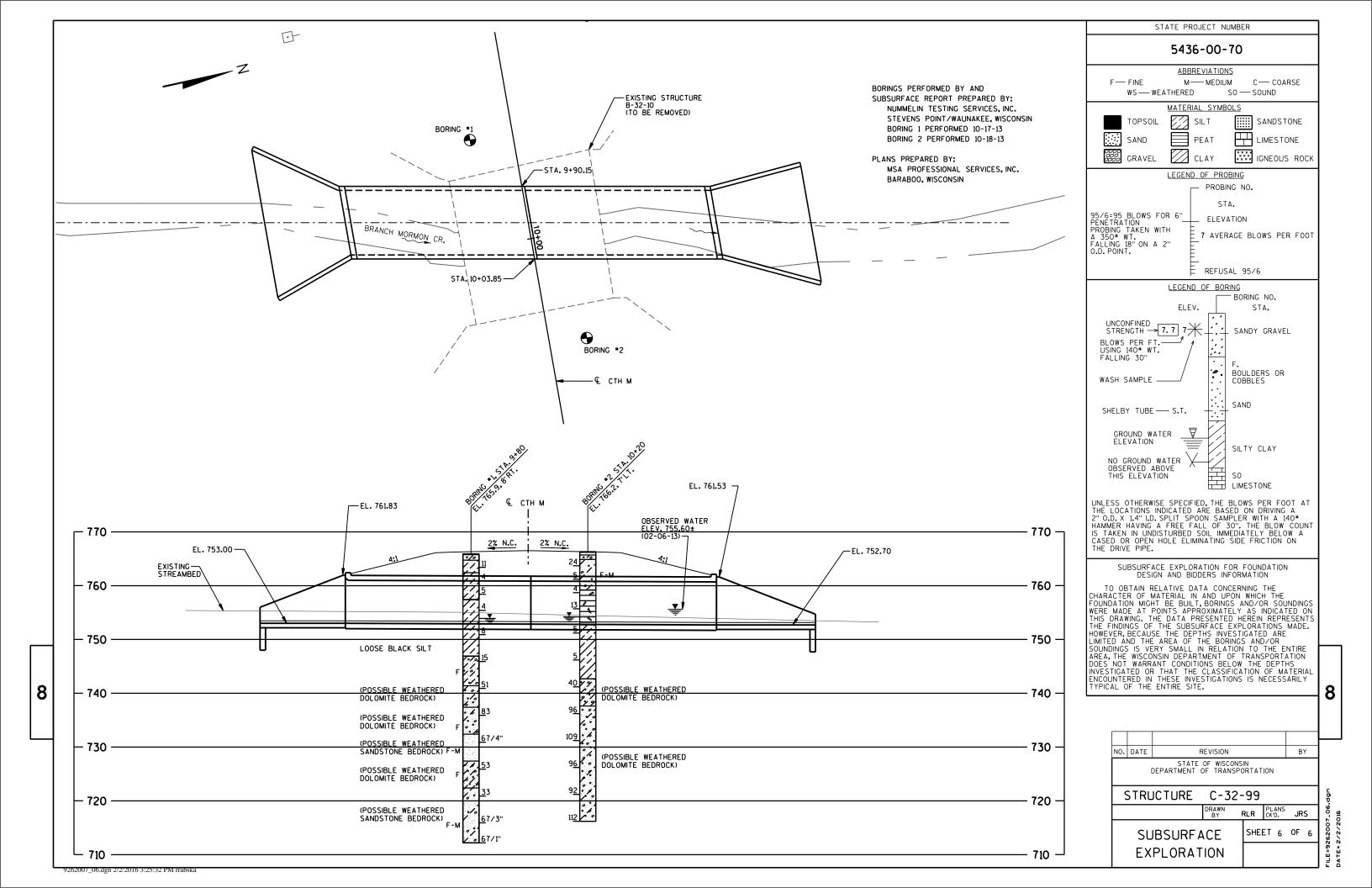
BUNDLE AND TAG EACH SERIES SEPARATELY

— INDICATES WING NUMBER

F.F. FRONT FACE

B.F.— BACK FACE

REVISION STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE C-32-99 DRAWN BY RLR PLANS CK'D. JAS SHEET 5 OF 6 **OUTET APRON &** WING DETAILS



PROJECT I.D. 5436-00-70 EARTHWORK SUMMARY

	EXCAVATION	EXCAVATION		EXPANDED		
	COMMON	ROCK	FILL (1)	FILL (2)	WASTE	BORR
STA	CY	CY	CY	CY	CY	CY
8+00.00						
	16	0	3	4	12	-12
8+50.00						
	92	0	11	14	78	-78
9+00.00						
	88	0	13	17	71	-71
9+25.00						
	118	0	20	26	92	-92
9+50.00						
	69	0	33	43	26	-26
9+70.00						
		STRUCTURE C-32	-0099			
10+25.00						
	183	0	31	40	143	-14
10+50.00						
	73	0	40	52	21	-21
10+70.00						
	86	0	60	78	8	-8
11+00.00						
	162	0	48	62	100	-10
11+50.00						
	59	0	19	25	34	-34
11+75.00						
	46	0	9	12	34	-34
12+00.00						
SUBTOTALS						
SOUTH APPROACH	383	0	80	104	279	-27
NORTH APPROACH	609	0	207	269	340	-34
UNUSABLE PAVEMENT (3)						93
TOTALS	992	0	287	373	619	-52

(1) - NOT A BID ITEM - FOR INFORMATIONAL PURPOSES ONLY.

(2) - FILL EXPANSION 30%
(3) - EXISTING PAVEMENT BASED ON AVERAGE ASPHALT THICKNESS OF 1.5" AT WEST APPR & 6" AT EAST APPR PER BORING LOG.

PROJECT NO: 5436-00-70

HWY: CTH M

COUNTY: LA CROSSE

EARTHWORK

PLOT BY : jsnyder

PLOT NAME :

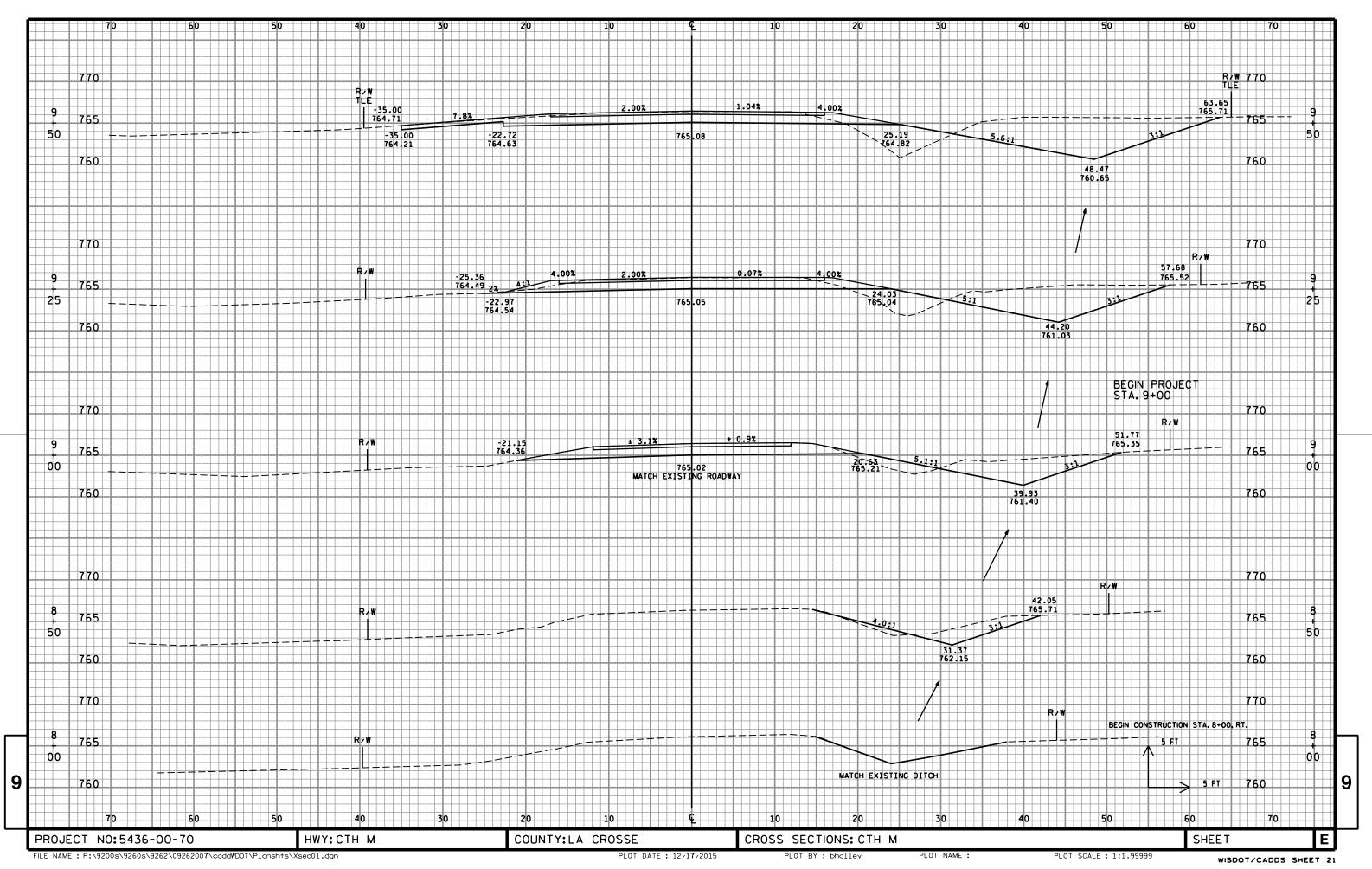
PLOT SCALE :1:20

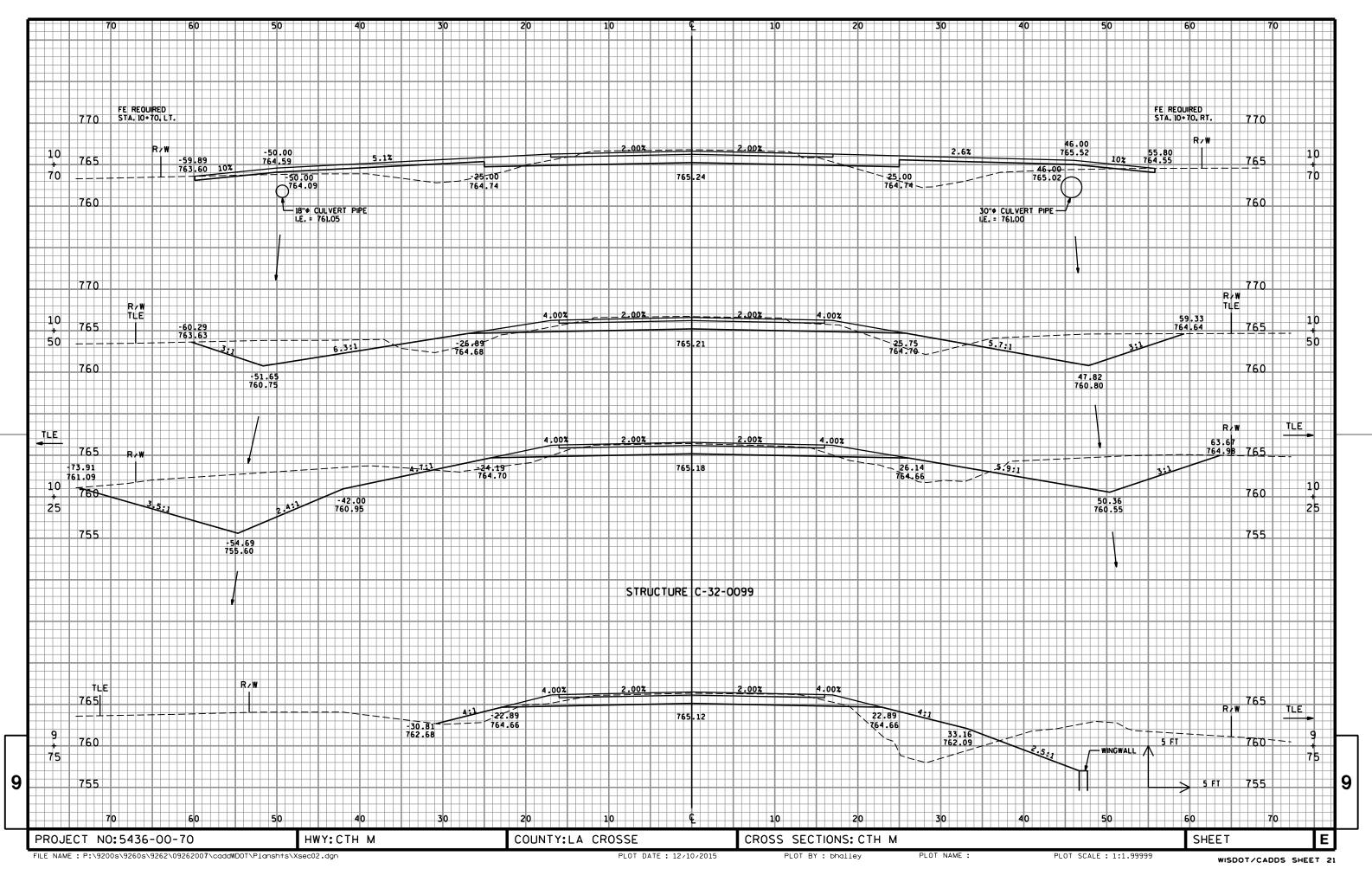
SHEET

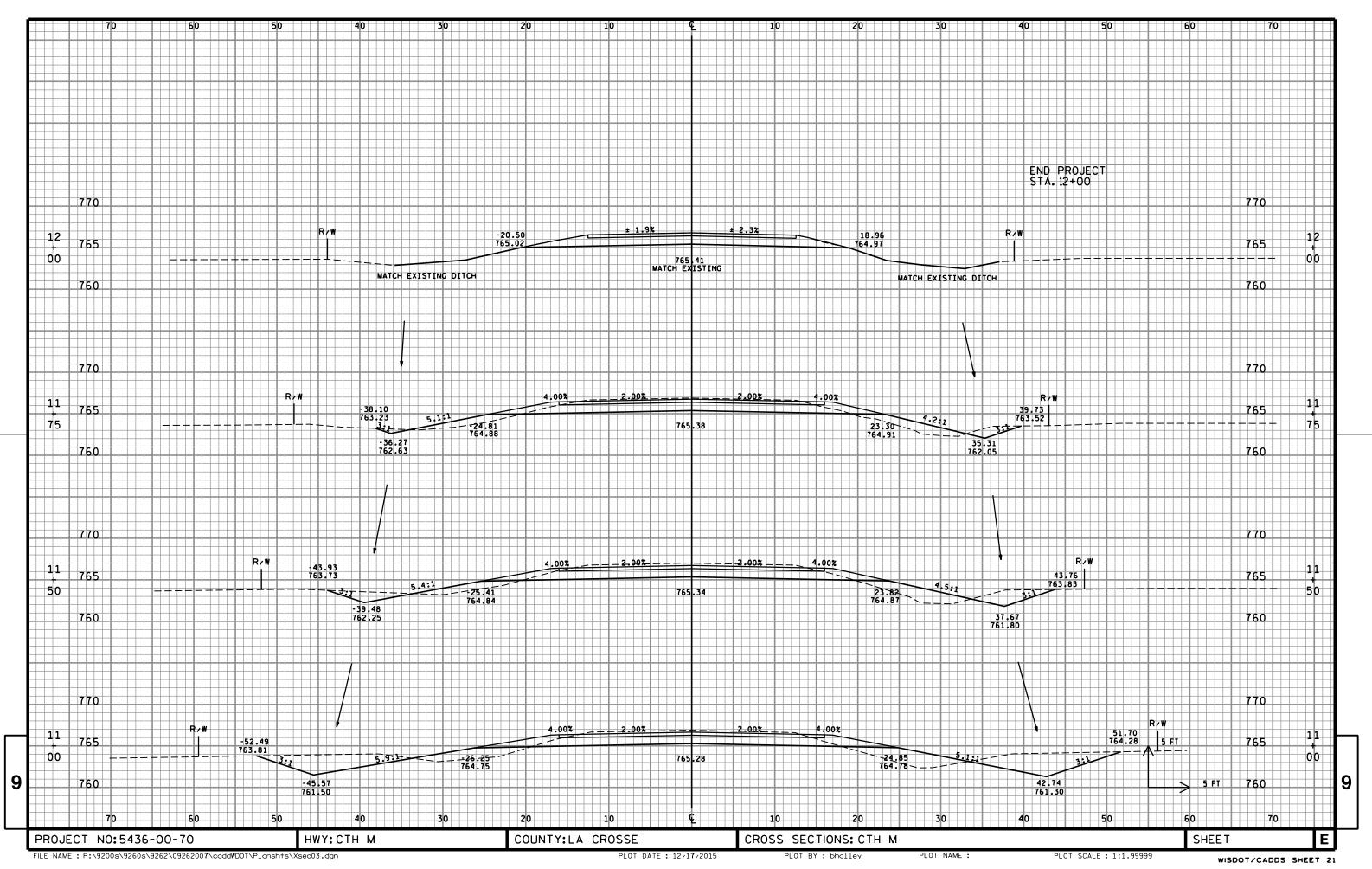
FILE NAME P: #9200s#9260s#9262#09262007#Estimote#9262007_MiscOty & Earthwork Borders.dgn

PLOT DATE :2/1/2016

WISOUT/CADDS SHEET 49









Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov