

Madison, Wisconsin

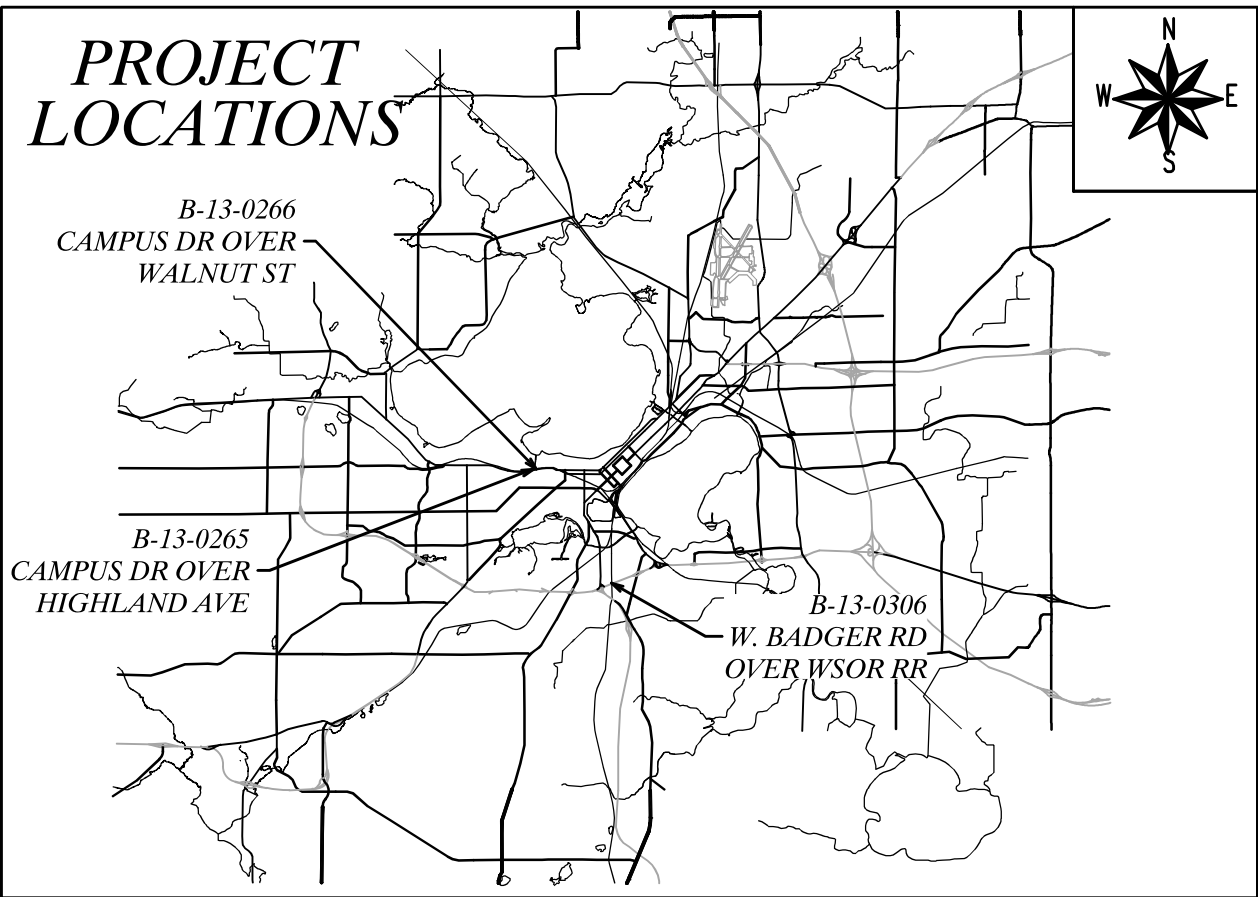
CITY OF MADISON
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS

SHEET NO.	1	TITLE
SHEET NO.	D1	TYPICAL SECTIONS - W. BADGER RD
SHEET NO.	EC1	EROSION CONTROL PLAN - W. BADGER RD
SHEET NO.	S1-S9	STRUCTURE PLAN - W. BADGER RD
SHEET NO.	P1	STREET PLAN & PROFILE - W. BADGER RD
SHEET NO.	U1	SEWER PLAN & PROFILE - W. BADGER RD
SHEET NO.	U2	STORM SEWER SCHEDULE - W. BADGER RD
SHEET NO.	PM1	PAVEMENT MARKING PLAN - W. BADGER RD
SHEET NO.	X1-X2	CROSS SECTIONS - W. BADGER RD
SHEET NO.	P2	STREET PLAN - CAMPUS DR OVER HIGHLAND AVE
SHEET NO.	P3	STREET PLAN - CAMPUS DR OVER WALNUT ST
SHEET NO.	PM2	PAVEMENT MARKING PLAN - CAMPUS DR OVER HIGHLAND AVE
SHEET NO.	PM3	PAVEMENT MARKING PLAN - CAMPUS DRIVE OVER WALNUT ST
SHEET NO.	MN1	MAINTENANCE PLAN (CITY USE ONLY)

BRIDGE REPAIRS - 2026

CITY PROJECT NO. 15791
CONTRACT NO. 8830



EARTH WORK SUMMARY:

EXCAVATION CUT(MEASURED PLAN QUANTITY) = 25 C.Y.

ESTIMATED UNDISTRIBUTED UNDERCUT = 100 C.Y.

TOTAL UNCLASSIFIED EXCAVATION CUT = 125 C.Y.

CONVENTIONAL SIGNS
FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

NOTES:

- ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.
- SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12", SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT HERE STREET GRADES EXCEED 5.00%.

PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE: MARCH 24, 2026

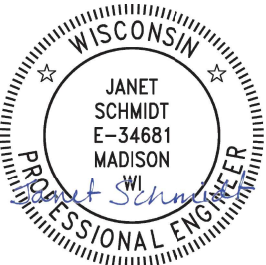
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

ENG- Greg Fries 05/15/2026
ENG- Greg Fries (May 15, 2026 11:17:44 CDT)

City Engineer Date

STORM SEWER
DESIGNED BY:



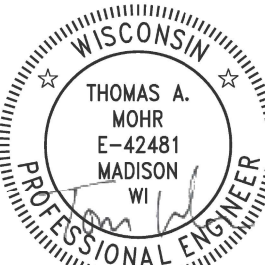
05/15/2026

STREET GRADES
DESIGNED BY:



05/15/2026

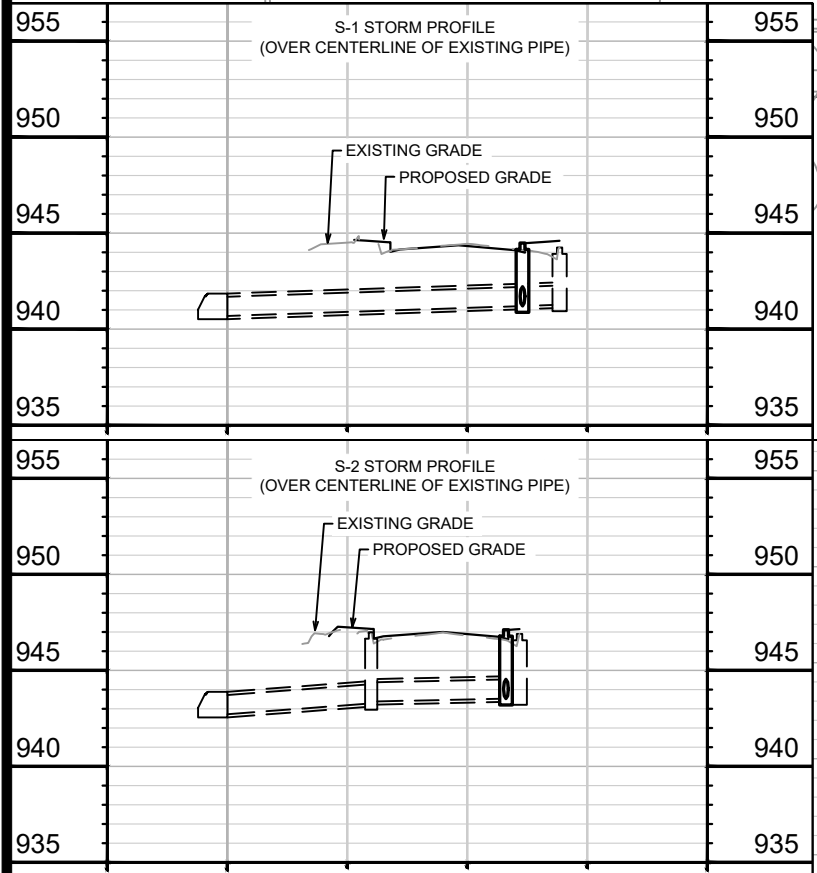
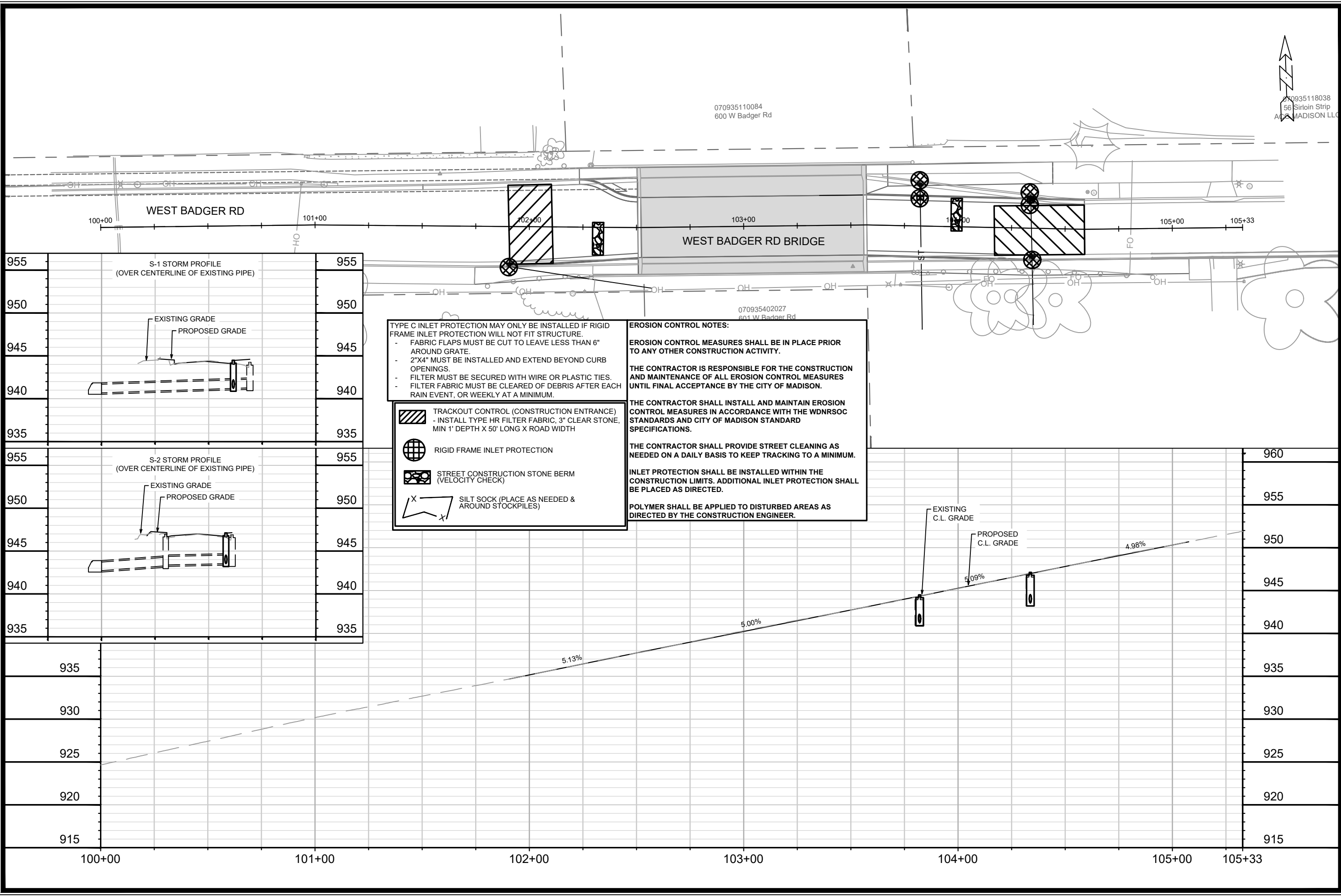
PAVEMENT MARKINGS
DESIGNED BY:



05/15/2026



15791
D-1



- TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION WILL NOT FIT STRUCTURE.
- FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRATE.
 - 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
 - FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
 - FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.
- TRACKOUT CONTROL (CONSTRUCTION ENTRANCE)
- INSTALL TYPE HR FILTER FABRIC, 3" CLEAR STONE, MIN 1' DEPTH X 50' LONG X ROAD WIDTH
- RIGID FRAME INLET PROTECTION
- STREET CONSTRUCTION STONE BERM (VELOCITY CHECK)
- SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)

EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

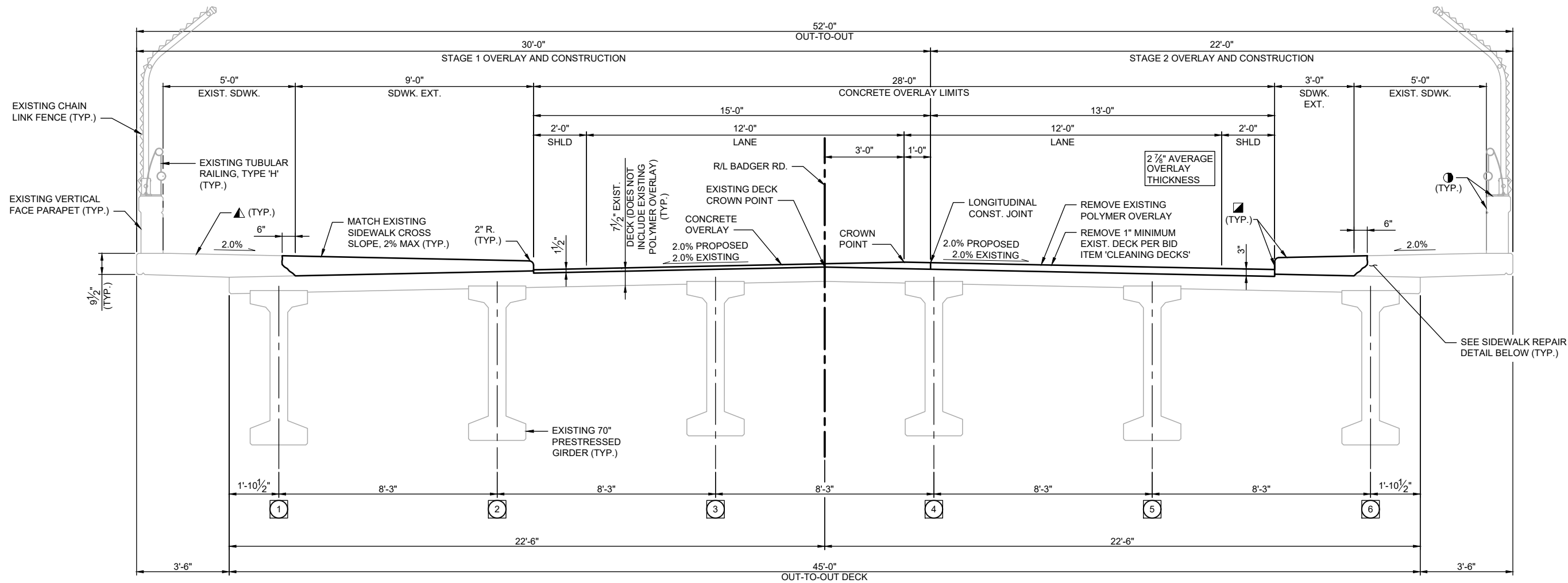
INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

15791		MADISON, WI		CONTRACT NO: 8830	
EROSION CONTROL PLAN - W. BADGER RD		BRIDGE REPAIRS 2026		M:\DESIGN\Projects\15791\SWR-ErosionControl.dwg	
		15791		EC-1	
REVISION		DATE		BY	
15791		5/6/2026 8:30 AM		AD	



HEET
S-1



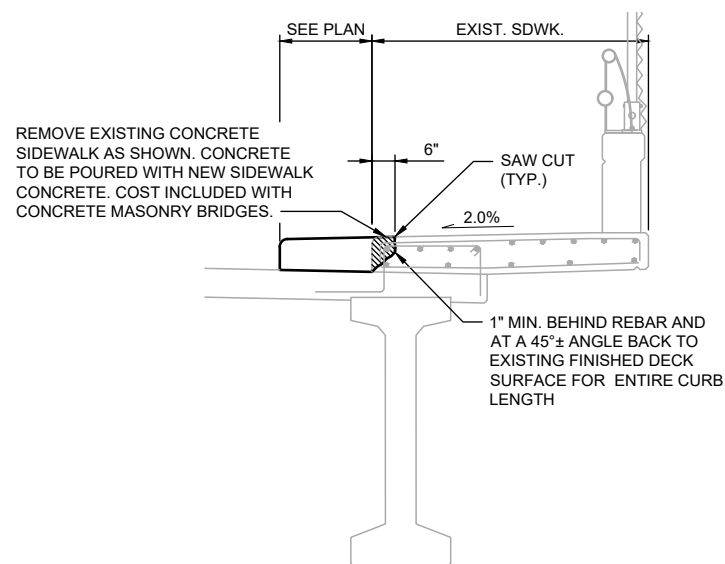
CROSS SECTION THRU ROADWAY
(LOOKING EAST)

TOTAL ESTIMATED QUANTITIES

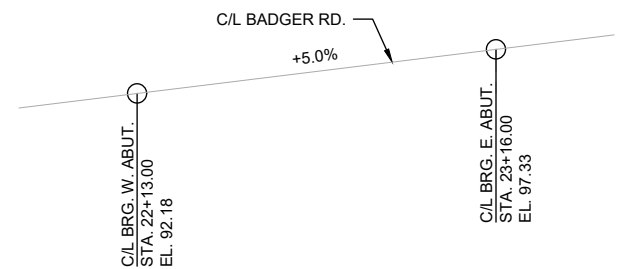
BID ITEM NUMBER	REFERENCE WISDOT BID ITEM NUMBER	BID ITEMS	UNIT	W. ABUT	E. ABUT	SUPER.	TOTAL
90001	203.0220	REMOVING STRUCTURE B-13-306	EACH	---	---	---	1
90002	502.0100	CONCRETE MASONRY BRIDGES	CY	---	---	35	35
90003	502.3101	EXPANSION DEVICE	LF	---	---	100	100
90004	502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	166	166
90005	502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	---	---	104	104
90006	502.3215	PROTECTIVE SURFACE TREATMENT RESEAL	SY	---	---	98	98
90007	502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	12	12	344	368
90008	502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	54	54	---	108
90009	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	---	---	2,210	2,210
90010	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	490	490	2,110	3,090
90011	505.0904	BAR COUPLERS NO. 4	EACH	---	---	4	4
90012	505.0906	BAR COUPLERS NO. 6	EACH	---	---	20	20
90013	509.0301	PREPARATION DECKS TYPE 1	SY	---	---	44	44
90014	509.0302	PREPARATION DECKS TYPE 2	SY	---	---	18	18
90015	509.0500	CLEANING DECKS	SY	---	---	462	462
90016	509.1000	JOINT REPAIR	SY	---	---	42	42
90017	509.1500	CONCRETE SURFACE REPAIR	SF	---	---	50	50
90018	509.2000	FULL-DEPTH DECK REPAIR	SY	---	---	2	2
90019	509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	---	---	46	46
90020	502.0180.S	BRIDGE DECK CRACK SEALING	LF	---	---	100	100
90021	509.9006.S	REMOVING AND RESETTING TUBULAR RAILING B-13-306	EACH	---	---	1	1
90022	509.9015.S	REMOVING POLYMER OVERLAY B-13-306	SY	---	---	462	462
90023	SPV.0060	CLEANING AND PAINTING BEARINGS	EACH	6	6	---	12
90024	SPV.0180	ABUTMENT SEAT CLEANING AND SEALING	SY	12	12	---	24

LEGEND

- # INDICATES EXISTING GIRDER NUMBER.
- PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO INSIDE AND TOP FACE OF PROPOSED SIDEWALK EXTENSIONS.
- ▲ PROTECTIVE SURFACE TREATMENT RESEAL SHALL BE APPLIED TO TOP FACE OF EXISTING SIDEWALK.
- PIGMENTED SURFACE SEALER RESEAL SHALL BE APPLIED TO THE INSIDE, TOP, AND ENDS OF VERTICAL FACE PARAPET AFTER CONCRETE SURFACE REPAIR WORK IS COMPLETE.



SIDEWALK REPAIR
(SOUTH SIDEWALK SHOWN, NORTH SIMILAR)



EXISTING PROFILE GRADE LINE

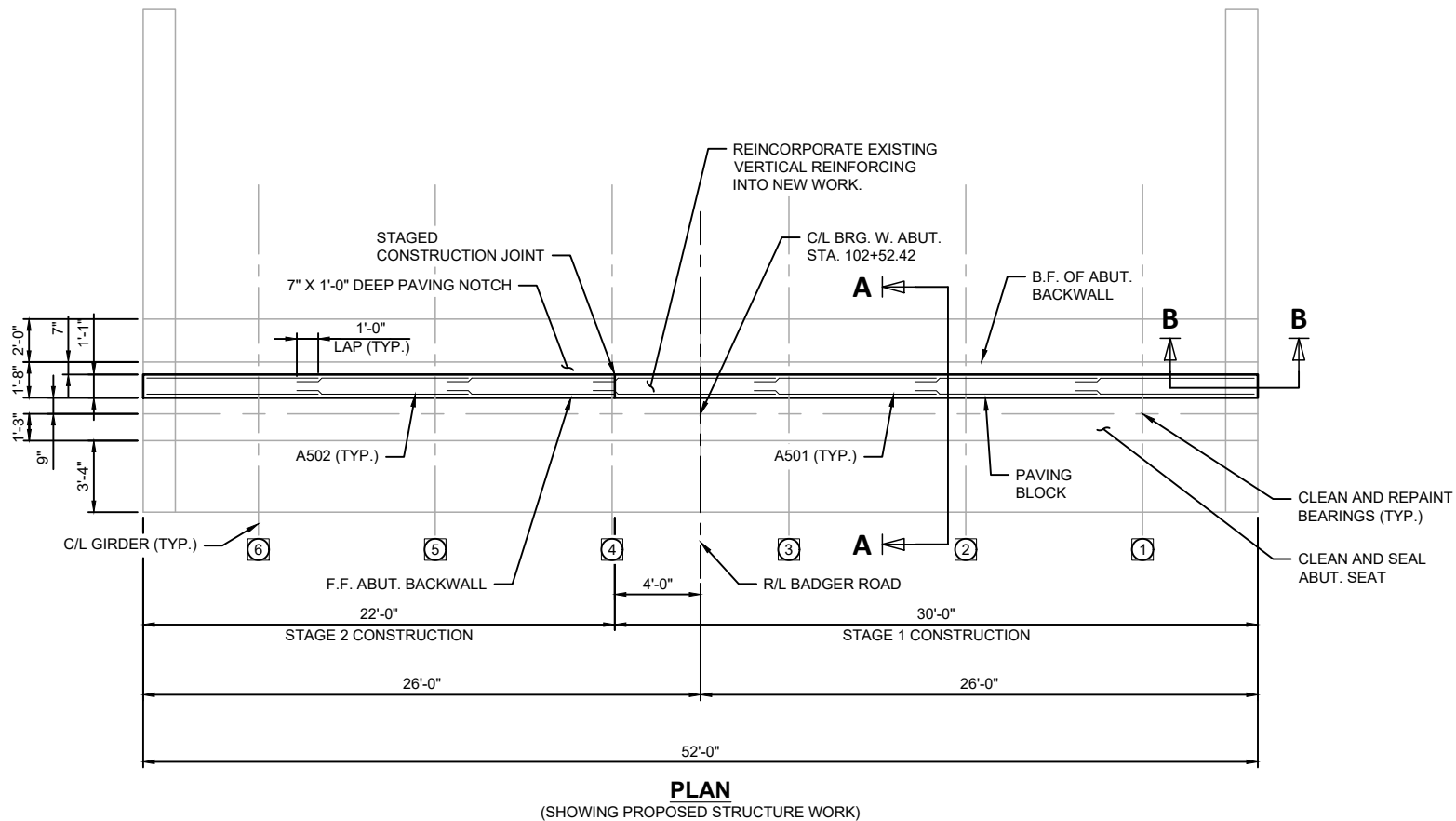
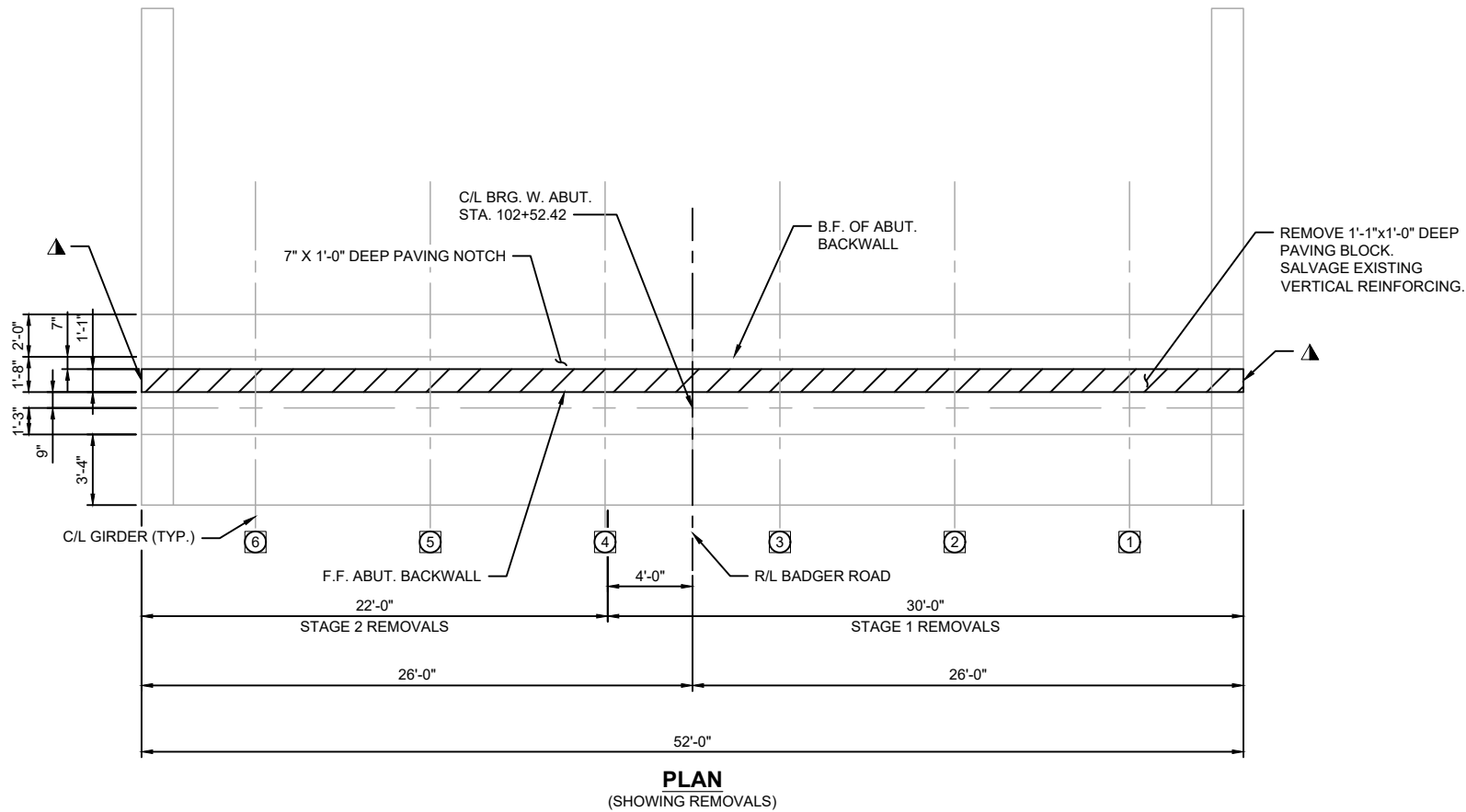
CROSS SECTION & QUANTITIES

BADGER ROAD BRIDGE B-13-306
CITY OF MADISON
DANE COUNTY, WISCONSIN

JOB NO.
1020.139
PROJECT MGR.
KRB



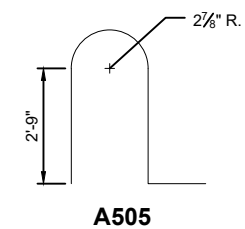
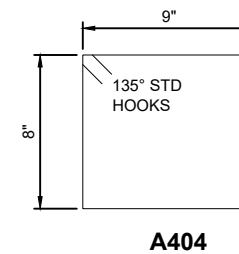
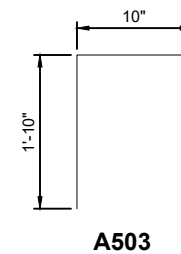
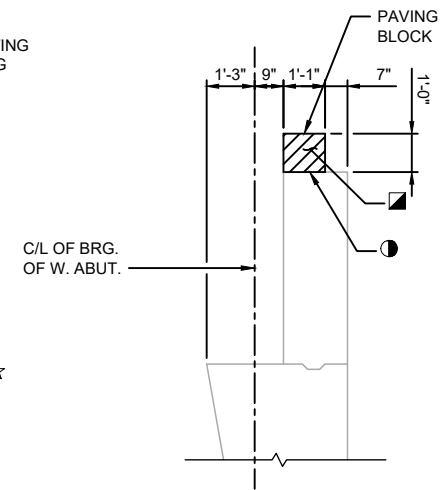
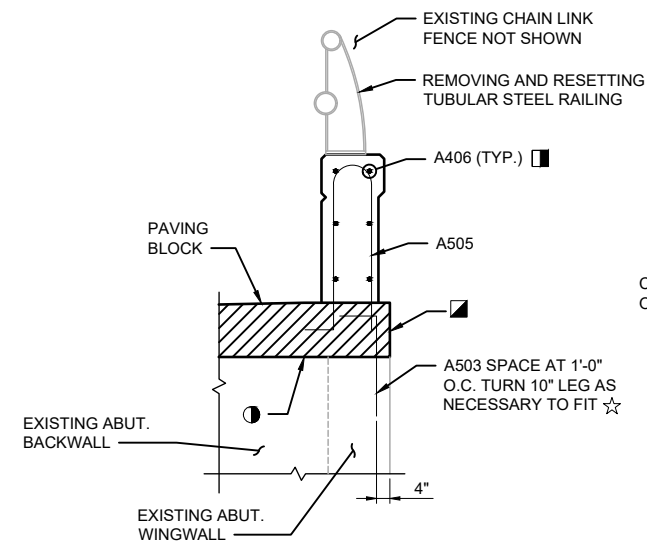
SHEET
S-2



WEST ABUTMENT BILL OF BARS

COATED: 490 LBS

BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	LOCATION
A501	12	8'-6"		X	PAVING BLOCK - HORIZ. - STAGE 1
A502	9	8'-0"		X	PAVING BLOCK - HORIZ. - STAGE 2
☆ A503	54	2'-7"	X	X	PAVING BLOCK - VERT. - DOWELS
A404	54	3'-4"	X	X	PAVING BLOCK - VERT.
A505	4	7'-5"	X	X	PARAPET - VERT.
■ A406	12	1'-4"		X	PAPAPET - HORIZ



LEGEND:

- ⑥ INDICATES EXISTING GIRDER NUMBER.
- ▲ REMOVE PORTION OF PARAPET ABOVE PAVING BLOCK. SALVAGE AND INCORPORATE EXISTING VERTICAL AND HORIZONTAL REINFORCING INTO NEW WORK. SEE SHEET S-7 FOR DETAILS.
- ☆ ADHESIVE ANCHOR NO. 5 BAR. EMBED 1'-0" MIN. IN EXISTING CONCRETE.
- ADHESIVE ANCHOR NO. 4 BAR. EMBED 5" MIN. IN EXISTING CONCRETE.
- ▣ POUR CONCRETE IN HATCHED REGION AFTER SUPERSTRUCTURE IS IN PLACE.
- ROUGHEN SURFACE OF EXISTING CONCRETE TO 1/2" AMPLITUDE (ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT).

NOTES:

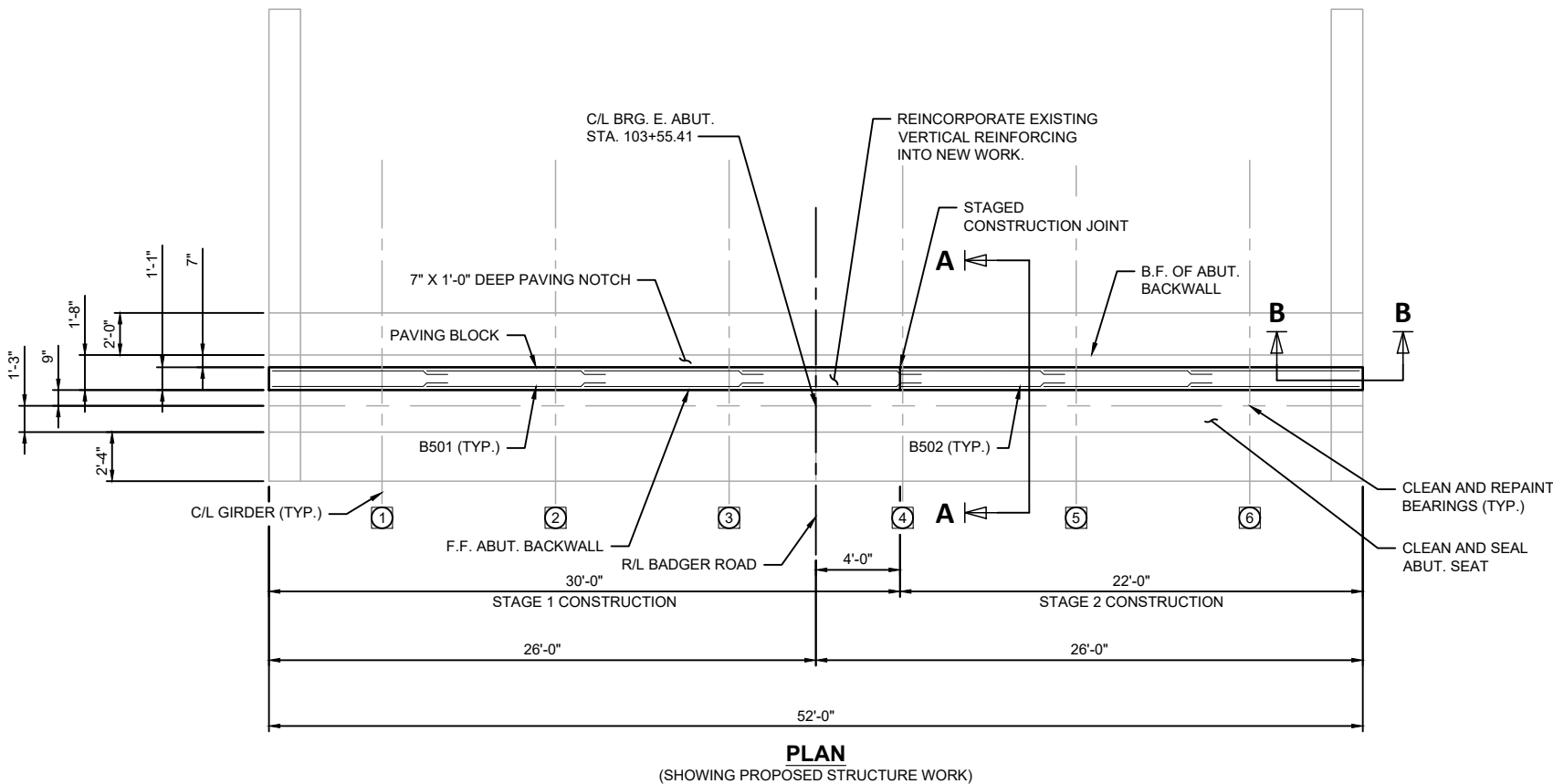
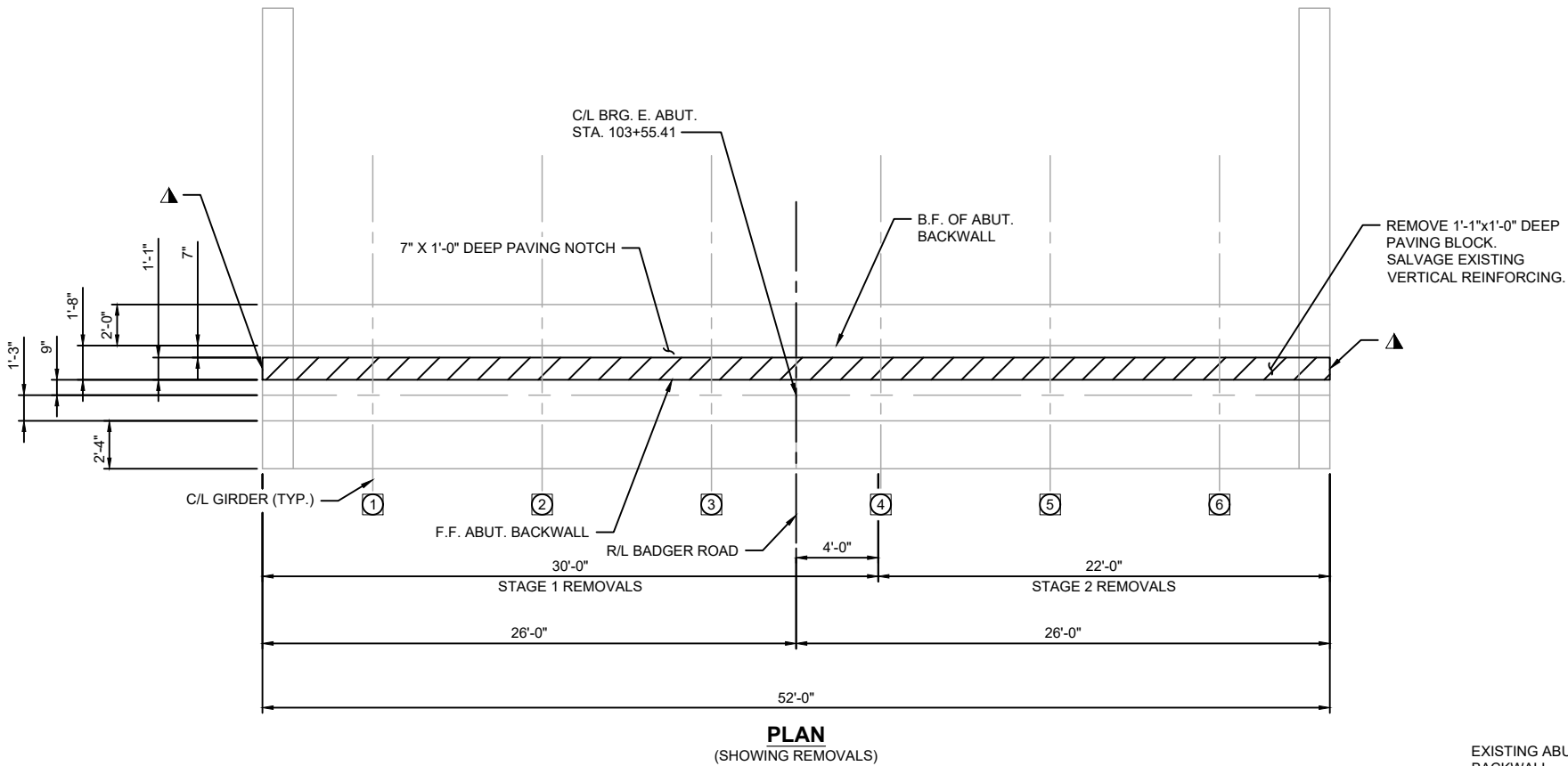
SEE SHEET S-7 FOR PAVING BLOCK REINFORCING DETAILS.

WEST ABUTMENT
BADGER ROAD BRIDGE B-13-306
CITY OF MADISON
DANE COUNTY, WISCONSIN

JOB NO.
1020.139
PROJECT MGR.
KRB

SA
STRAND
ASSOCIATES®

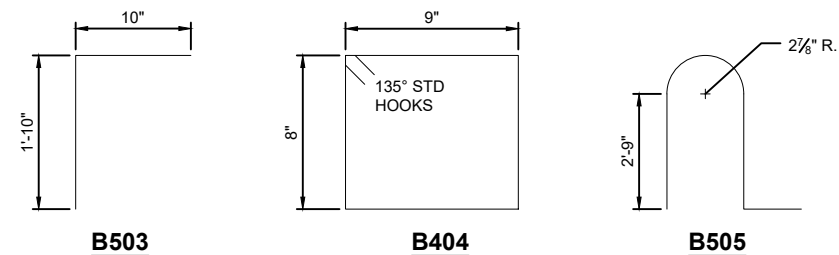
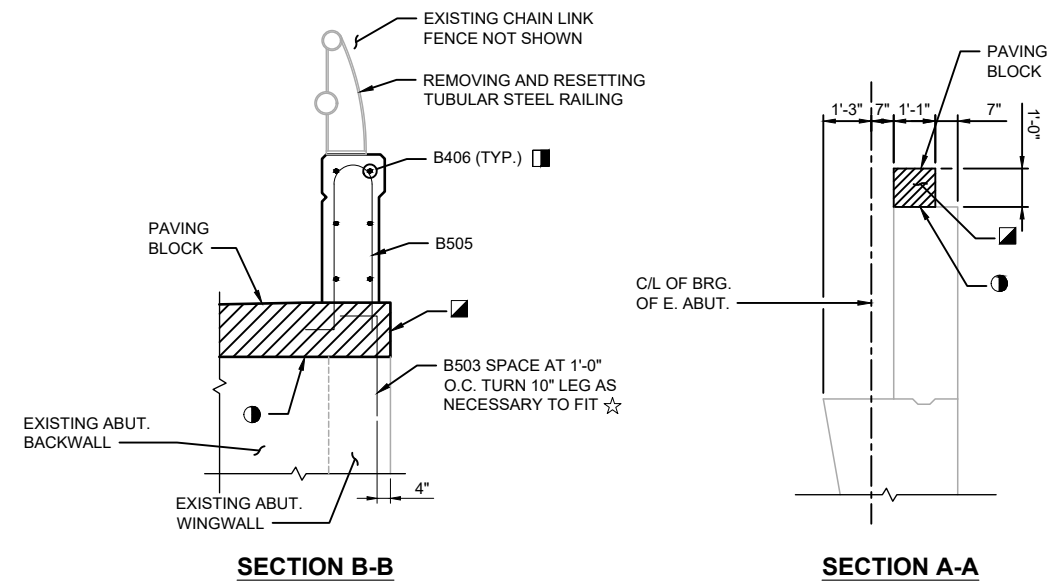
SHEET
S-4



EAST ABUTMENT BILL OF BARS

COATED: 490 LBS

BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	LOCATION
B501	12	8'-6"		X	PAVING BLOCK - HORIZ. - STAGE 1
B502	9	8'-0"		X	PAVING BLOCK - HORIZ. - STAGE 2
B503	54	2'-7"	X	X	PAVING BLOCK - VERT. - DOWELS
B404	54	3'-4"	X	X	PAVING BLOCK - VERT.
B505	4	7'-5"	X	X	PARAPET - VERT.
B406	12	1'-4"		X	PARAPET - HORIZ.



LEGEND:

- ① INDICATES EXISTING GIRDER NUMBER.
- ▲ REMOVE PORTION OF PARAPET ABOVE PAVING BLOCK. SALVAGE AND INCORPORATE EXISTING VERTICAL AND HORIZONTAL REINFORCING INTO NEW WORK. SEE SHEET S-7 FOR DETAILS.
- ☆ ADHESIVE ANCHOR NO. 5 BAR. EMBED 1'-0" MIN. IN EXISTING CONCRETE.
- ADHESIVE ANCHOR NO. 4 BAR. EMBED 5" MIN. IN EXISTING CONCRETE.
- POUR CONCRETE IN HATCHED REGION AFTER SUPERSTRUCTURE IS IN PLACE.
- ROUGHEN SURFACE OF EXISTING CONCRETE TO 1/4" AMPLITUDE (ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT).

NOTES:

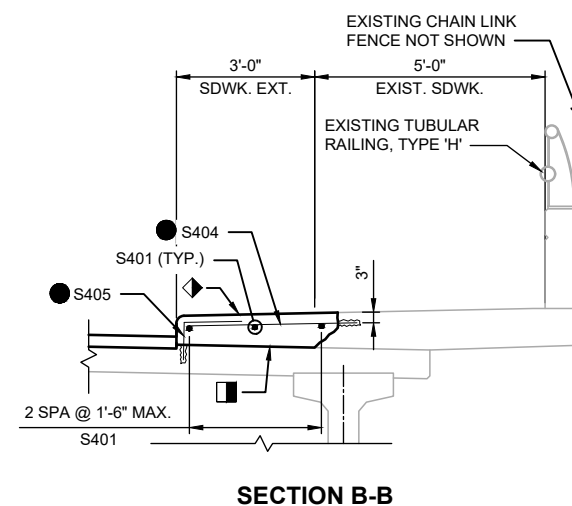
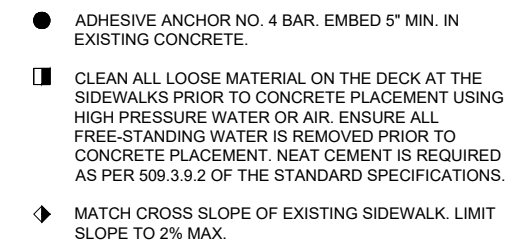
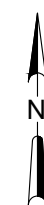
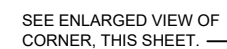
SEE SHEET S-7 FOR PAVING BLOCK REINFORCING DETAILS.

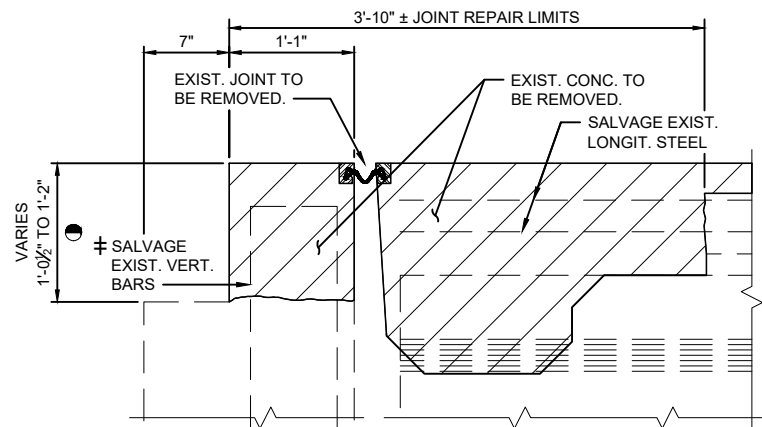
EAST ABUTMENT
BADGER ROAD BRIDGE B-13-306
CITY OF MADISON
DANE COUNTY, WISCONSIN

JOB NO.
1020.139
PROJECT MGR.
KRB

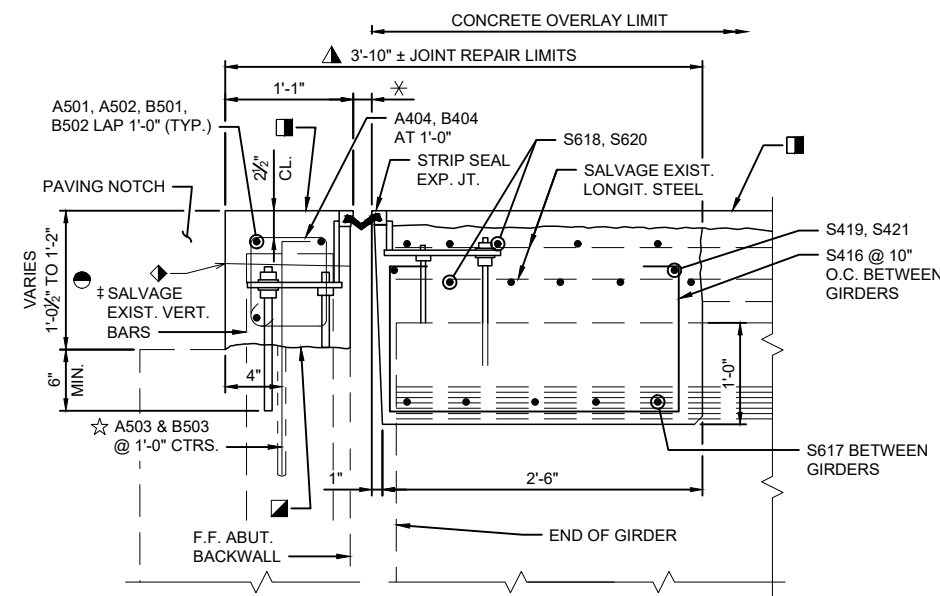
SA
STRAND
ASSOCIATES®

SHEET
S-5

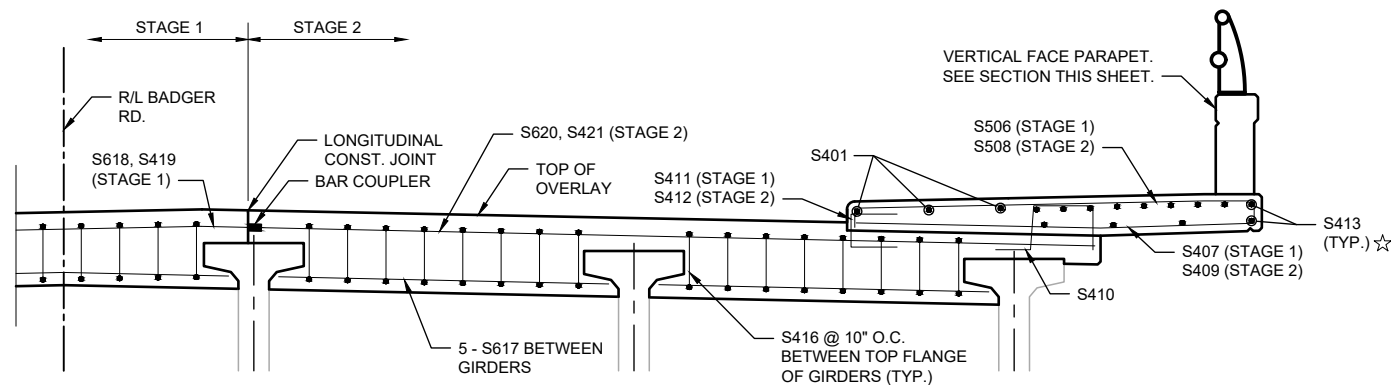




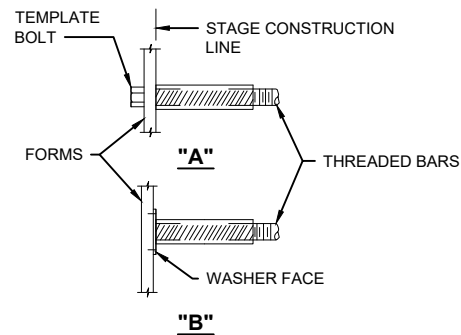
JOINT REPAIR-REMOVAL PRESTRESSED GIRDER



SECTION THRU PROPOSED JOINT PRESTRESSED GIRDER WITH END DIAPHRAGM CONCRETE OVERLAY



PART TRANSVERSE SECTION AT ABUTMENT DIAPHRAGM

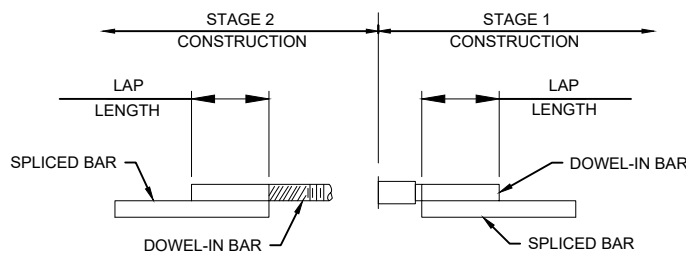


INSTALLATION AND SETTING METHODS

"A" SET COUPLER BY MEANS OF A TEMPLATE BOLT.
"B" SET COUPLER BY NAILING TO WOOD FORMS OR CEMENTING TO STEEL FORMS.

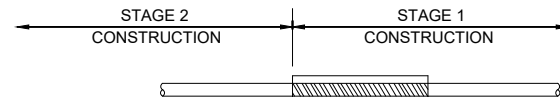
BAR COUPLER NOTES

FOR DOWEL BAR COUPLERS, ALL DOWEL BARS SHALL BE LAPPED AND TIED TO THE REINFORCEMENT BARS.



DOWEL BAR COUPLER

STAGE 2 DOWEL SCREWS INTO COUPLER PLACED IN STAGE 1



ONE-PIECE THREADED COUPLER

BAR COUPLER ALTERNATIVES

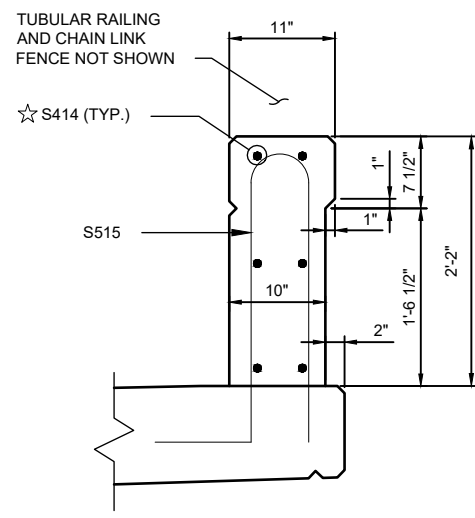
SUPERSTRUCTURE BILL OF BARS

COATED: 2,110 LBS
UNCOATED: 2,350 LBS

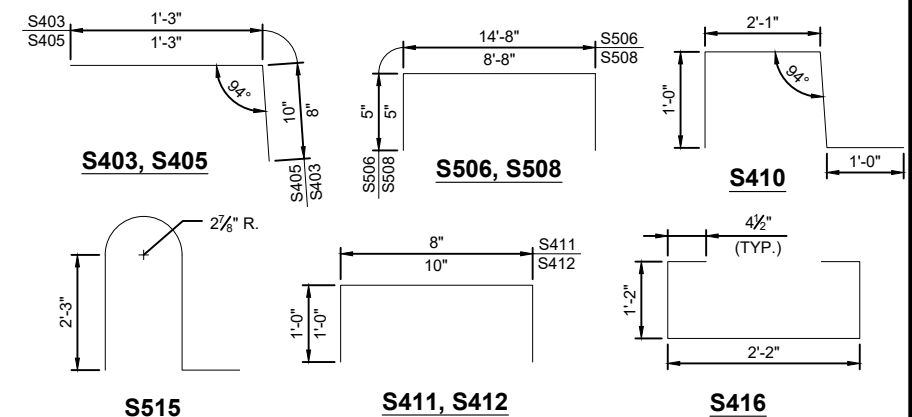
BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	LOCATION
S401	30	35'-8"		X	SIDEWALK - LONGIT.
☆ S402	67	9'-9"		X	SIDEWALK - TRANSVERSE - DOWEL
☆ S403	67	1'-10"	X	X	SIDEWALK - TRANSVERSE - DOWEL
☆ S404	67	3'-9"		X	SIDEWALK - TRANSVERSE - DOWEL
☆ S405	67	2'-0"	X	X	SIDEWALK - TRANSVERSE - DOWEL
S506	8	15'-3"	X	X	SIDEWALK - TRANSVERSE - TOP
S407	6	14'-8"		X	SIDEWALK - TRANSVERSE - BOTTOM
S508	8	9'-3"	X	X	SIDEWALK - TRANSVERSE - TOP
S409	6	8'-8"		X	SIDEWALK - TRANSVERSE - BOTTOM
S410	16	4'-10"	X	X	SIDEWALK - TRANSVERSE - VERTICAL
S411	8	2'-6"	X	X	SIDEWALK - TRANSVERSE - VERTICAL
S412	8	2'-8"	X	X	SIDEWALK - TRANSVERSE - VERTICAL
☆ S413	52	2'-10"		X	SIDEWALK - LONGIT. - DOWEL
☆ S414	24	2'-10"		X	PARAPET - LONGIT. - DOWEL
S515	16	6'-1"	X	X	PARAPET - VERT.
S416	80	4'-11"	X		SLAB - VERT. - BETWEEN GIRDERS
S617	50	7'-3"			SLAB - TRANSVERSE - BETWEEN GIRDERS
✱ ✱ S618	20	26'-4"			SLAB - TRANSVERSE - OVER GIRDERS STAGE 1
✱ ✱ S419	4	26'-4"			SLAB - TRANSVERSE - OVER GIRDERS STAGE 1
✱ ✱ S620	20	18'-4"			SLAB - TRANSVERSE - OVER GIRDERS STAGE 2
✱ ✱ S421	4	18'-4"			SLAB - TRANSVERSE - OVER GIRDERS STAGE 2
S422	20	5'-9"			SLAB - TRANSVERSE - STRIP SEAL

LEGEND

- ✱ SEE SHEET S-8 FOR STRIP SEAL OPENING.
- ⊕ EXISTING BARS ARE LIKELY TO BE CORRODED AND/OR DAMAGED DURING CONCRETE REMOVAL. SALVAGE AND INCORPORATE AS MUCH REBAR AS PRACTICAL. SUPPLEMENT WITH A503 AND B503 BARS.
- ▲ VOLUME OF NEW CONCRETE USED FOR JOINT REPAIR WILL BE PAID FOR UNDER "CONCRETE MASONRY OVERLAY" BID ITEM.
- ◆ OPTIONAL CONST. JOINT 1" MIN. BELOW EXISTING REINFORCING
- ☆ ADHESIVE ANCHOR NO. 4 BAR EMBED 5" MIN. IN EXISTING CONCRETE. LOCATE 3" FROM EXISTING CONCRETE FACE.
- ▣ ROUGHEN SURFACE OF EXISTING CONCRETE TO 1/4" AMPLITUDE.
- COAT WITH "PROTECTIVE SURFACE TREATMENT".
- HEIGHT OF PAVING BLOCK INDICATED ASSUMES REMOVAL OF EXISTING THIN POLYMER OVERLAY AND 1" OF EXISTING DECK AND ADDITION OF NEW CONC. OVERLAY. ADJUST AS NECESSARY FOR FIELD CONDITIONS. POUR AFTER SUPERSTRUCTURE IS IN PLACE AND CONFORM TO SUPERSTRUCTURE DECK ELEVATIONS.
- ✱ ✱ BAR WITH COUPLER, SEE DETAILS THIS SHEET. BAR LENGTH COMPUTED TO C/L STAGED CONSTRUCTION JOINT AND SHALL BE MODIFIED IF REQUIRED TO BAR COUPLER MANUFACTURER RECOMMENDATIONS.



SECTION THRU PARAPET



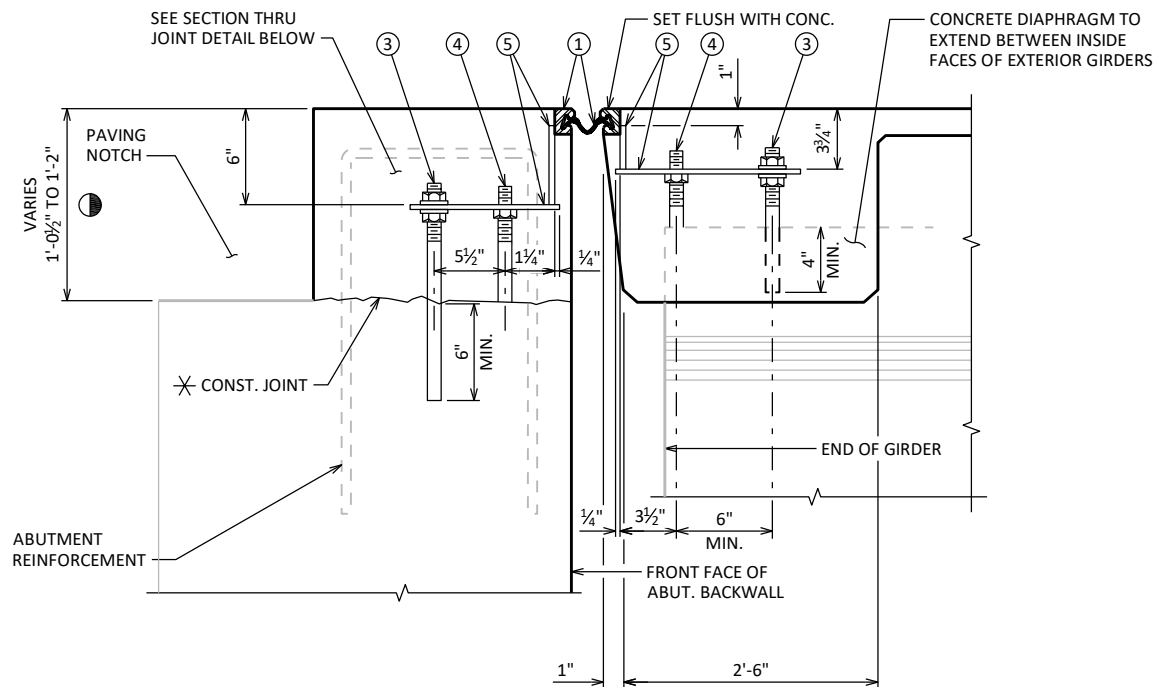
JOINT REPAIR DETAILS

BADGER ROAD BRIDGE B-13-306
CITY OF MADISON
DANE COUNTY, WISCONSIN

JOB NO.
1020.139
PROJECT MGR.
KRB

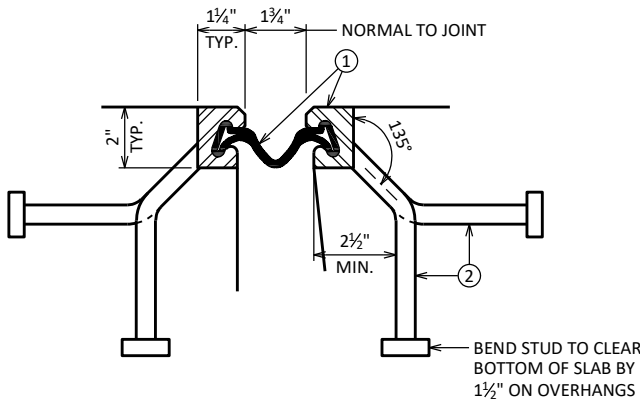
SA
STRAND
ASSOCIATES®

SHEET
S-7



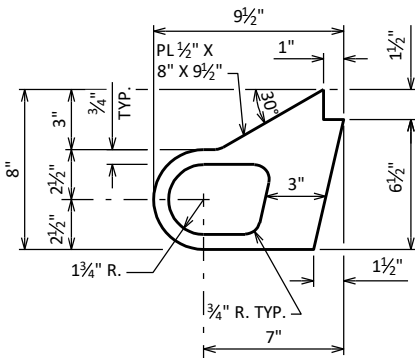
SECTION THRU JOINT AT ABUTMENT

NORMAL TO C/L SUBSTRUCTURE

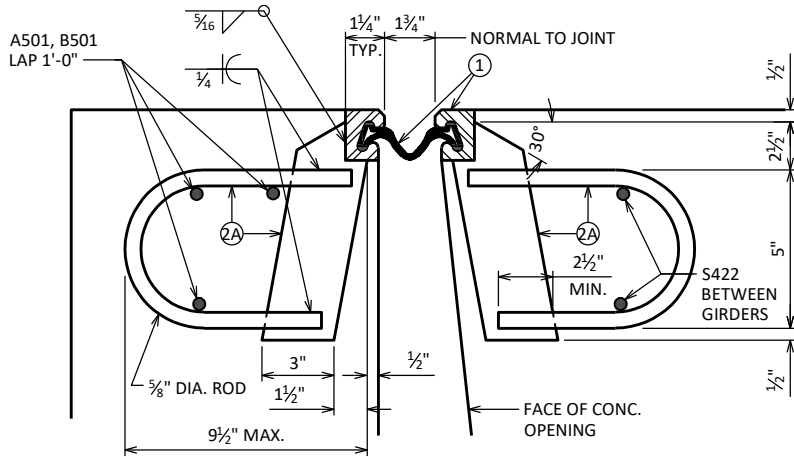


SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK AND AT PARAPETS, MEDIANS AND SIDEWALKS

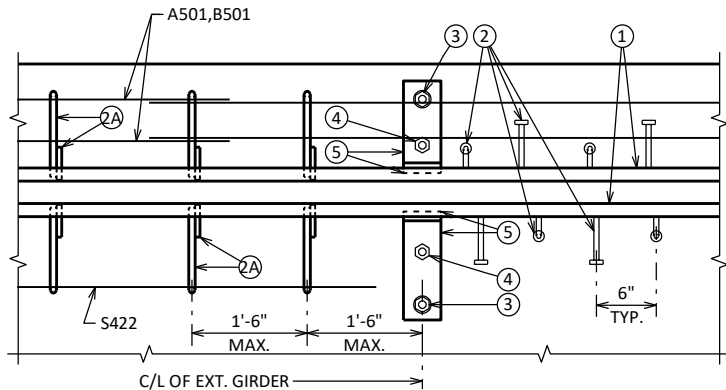


ALTERNATE STRIP SEAL ANCHOR



SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS



PART PLAN

LEGEND

- ① NEOPRENE STRIP SEAL (4- INCH) AND STEEL EXTRUSIONS.
- ② STUDS 5/8" DIA. X 6 3/8" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.
- ②A 1/2" THICK ANCHOR PLATE WITH 5/8" DIA. ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE, WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CENTERS BETWEEN GIRDERS.
- ③ 3/4" DIA. THREADED ROD WITH 2 NUTS AND PLATE WASHERS. GROUT THREADED ROD INTO FIELD DRILLED HOLES ON C/L OF GIRDER. ON ABUTMENT SIDE GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACKWALL AS SHOWN.
- ④ 3/4" DIA. THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.
- ⑤ FABRICATE SUPPORT FROM 3" X 1/2" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1 1/2" DIA. HOLE FOR NO. 3 AND 1" DIA. HOLE FOR NO. 4.
- HEIGHT OF PAVING BLOCK INDICATED ASSUMES REMOVAL OF EXISTING THIN POLYMER OVERLAY AND 1" OF EXISTING DECK AND ADDITION OF NEW CONC. OVERLAY. ADJUST AS NECESSARY FOR FIELD CONDITIONS. POUR AFTER SUPERSTRUCTURE IS IN PLACE AND CONFORM TO SUPERSTRUCTURE DECK ELEVATIONS.
- ✱ POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS IN PLACE, STRIKE OFF AND LEAVE ROUGH.

NOTES

- ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, HANDLING OR GALVANIZING REQUIREMENTS. IF USED, ANCHOR PLATES SHALL BE PROVIDED 3" FROM EACH SIDE OF THE FIELD SPLICE. DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.
- AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST AND SWEEP.
- FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.
- SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED. SLIP-RESISTANT SURFACE IS APPLIED TO SIDEWALK COVER PLATES BY THE MANUFACTURER AND THEN HOT DIPPED GALVANIZED TO THEIR RECOMMENDATIONS TO MAINTAIN THE INTEGRITY OF THIS SURFACE.
- ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C AND D.
- ALL MATERIAL IN THE EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE PAID AT THE UNIT PRICE BID FOR "EXPANSION DEVICE", LF.

STRIP SEAL EXPANSION JOINT

BADGER ROAD BRIDGE B-13-306
CITY OF MADISON
DANE COUNTY, WISCONSIN

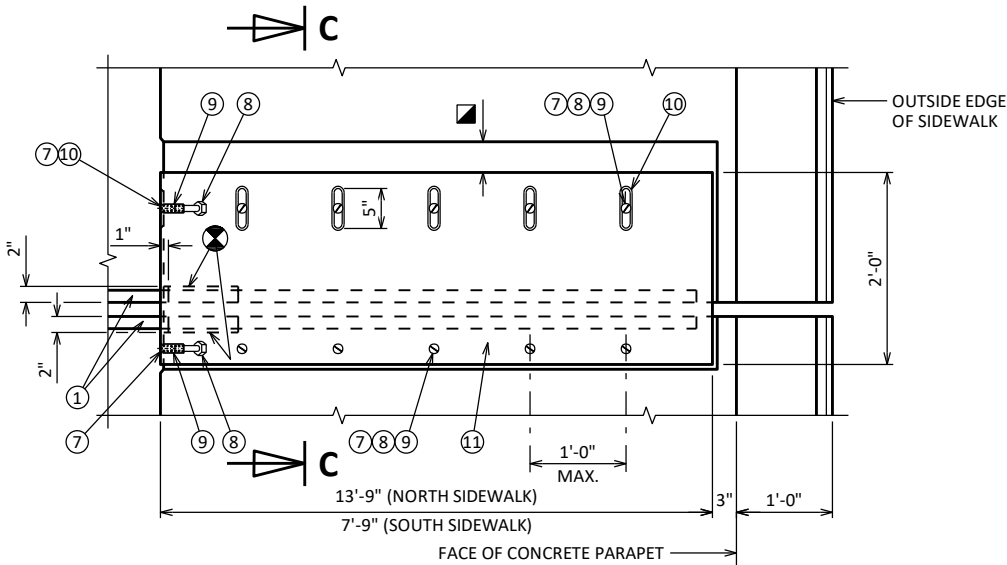
JOB NO.
1020.139
PROJECT MGR.
KRB

SA
STRAND
ASSOCIATES®

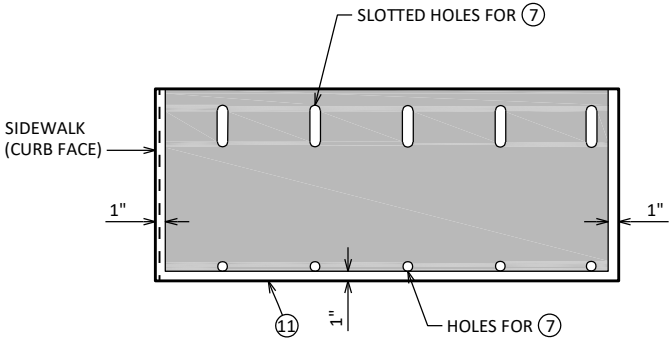
SHEET
S-8

LEGEND

- ①
- NEOPRENE STRIP SEAL (4 - INCH) AND STEEL EXTRUSIONS.
- ②
- STUDS 3⁄8" DIA. X 6 3⁄8" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.
- ⑦
- 3⁄4" DIA. X 1 1⁄2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1⁄16" BELOW PLATE SURFACE.
- ⑧
- 3⁄4" DIA. X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.
- ⑨
- 3⁄4" DIA. X 2 1⁄4" GALVANIZED THREADED COUPLING.
- ⑩
- 1" X 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.
- ⑪
- SIDEWALK COVER PLATE 3⁄8" X 2'-0" X LIMITS SHOWN. BEND DOWN FACE OF SIDEWALK WITH HOLES FOR NO. 7. GALVANIZE PLATE AFTER SLIP-RESISTANT SURFACE IS APPLIED.
- ⊗
- BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.
- ◻
- JOINT OPENING DIMENSION PLUS 1⁄2"



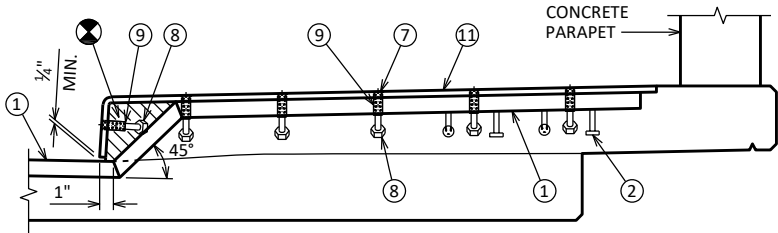
PLAN AT SIDEWALK



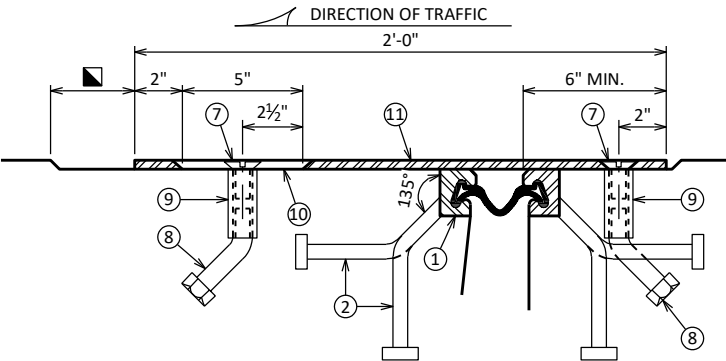
PLAN OF SIDEWALK COVER PLATE WITH SLIP-RESISTANT SURFACE

PLACE SLIP-RESISTANT SURFACE ON TOP WALKING SURFACE IN SHADED AREA ONLY.

APPROVED SLIP-RESISTANT APPLIED SURFACES FOR STEEL PLATES		
PRODUCT	MANUFACTURER	CONTACT AT
SLIPNOT GRADE 2, STEEL	W. S. MOLNAR COMPANY	1-800-SLIPNOT
ALGRIP, STEEL	ROSS TECHNOLOGY CORP.	1-800-345-8170



SECTION AT SIDEWALK



SECTION C-C

COVER PLATE DETAILS

BADGER ROAD BRIDGE B-13-306

CITY OF MADISON

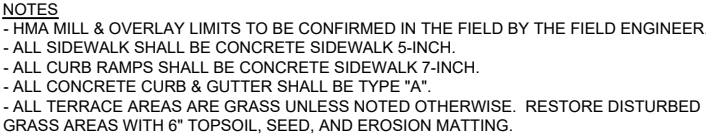
DANE COUNTY, WISCONSIN

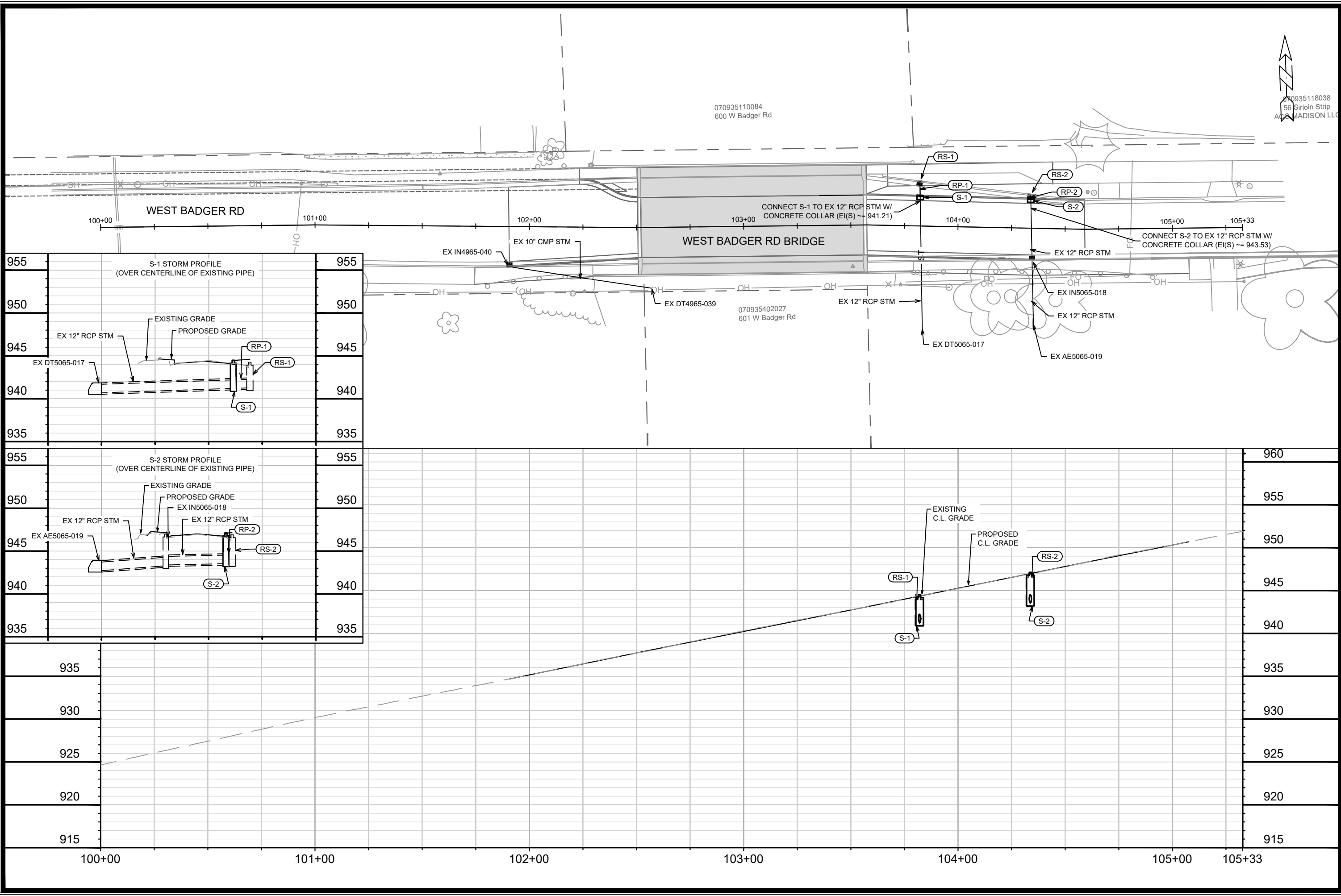
JOB NO.
1020.139

PROJECT MGR.
KRB



SHEET
S-9





15791		MADISON, WI		CONTRACT NO: 8830	
SEWER PLAN & PROFILE - W. BADGER RD		BRIDGE REPAIRS 2026		M:\DESIGN\Projects\15791\CAD\Sewers\15791SWR-PipeNetwork.dwg	
		15791		U-1	
REVISION		DATE		BY	
15791		5/6/2026 8:34 AM		U-1	
Designed By: ##		Scale: 1" = 40'			

STORM SEWER SCHEDULE

BRIDGE REPAIRS 2026	SHEET NO.	U-2
PROJECT NO. 15791	U-2	
STORM SEWER SCHEDULE		
CITY OF MADISON		

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
WEST BADGER ROAD							
S-1	103+82.11	LT-13.35	H-INLET	944.49	941.21	3.28	[1]; W/R-3067-7004-V
S-2	104+33.73	LT-13.07	H-INLET	947.12	943.53	3.59	[2]; W/R-3067-7004-V

STORM STRUCTURE REMOVALS & ABANDONMENTS

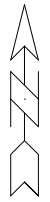
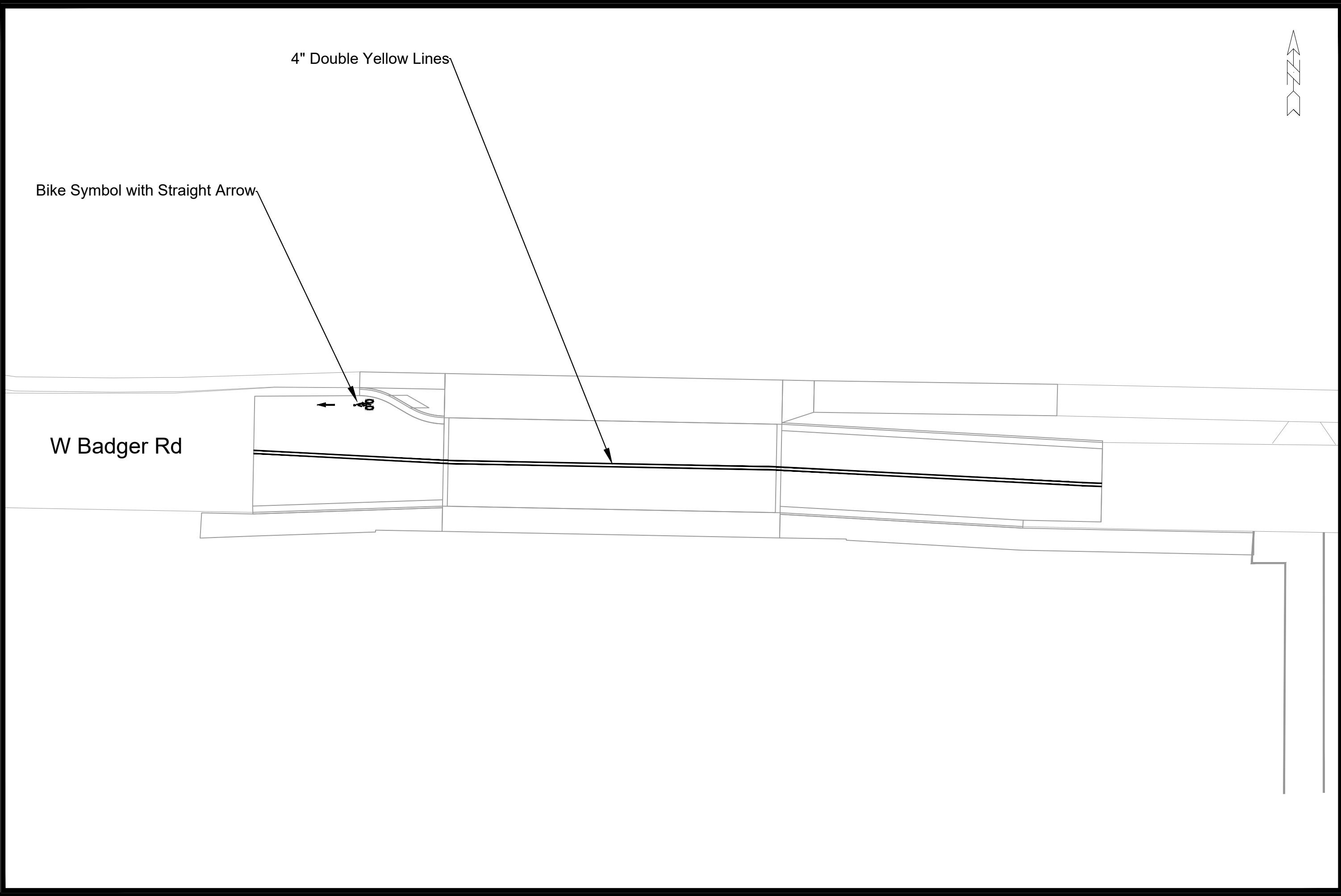
STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	DEPTH (FT)	NOTES
WEST BADGER ROAD						
RS-1	IN5064-010	103+81.83	LT-21.07	H-INLET	2.98	
RS-2	IN5064-011	104+33.62	LT-15.89	H-INLET	3.36	

STORM PIPE REMOVALS & ABANDONMENTS

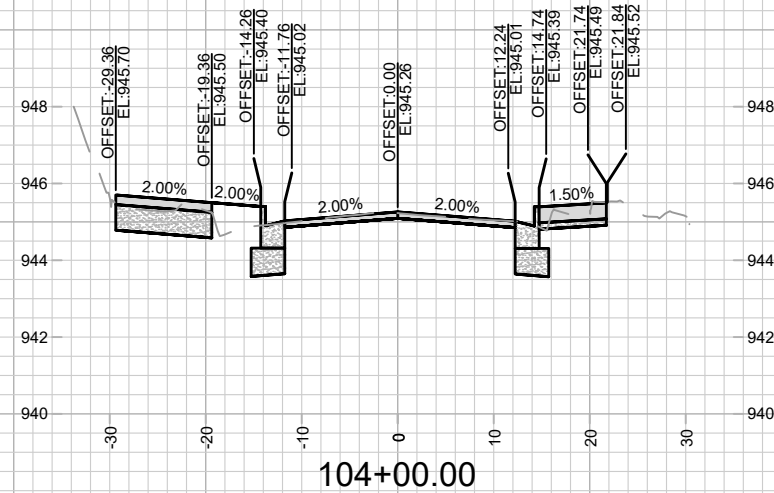
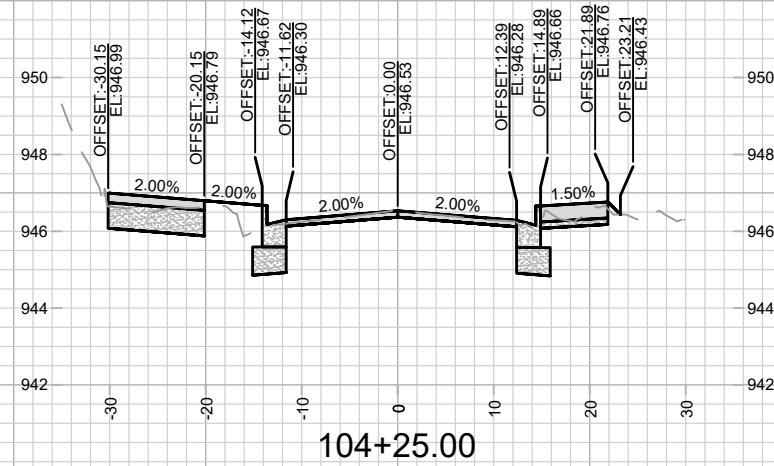
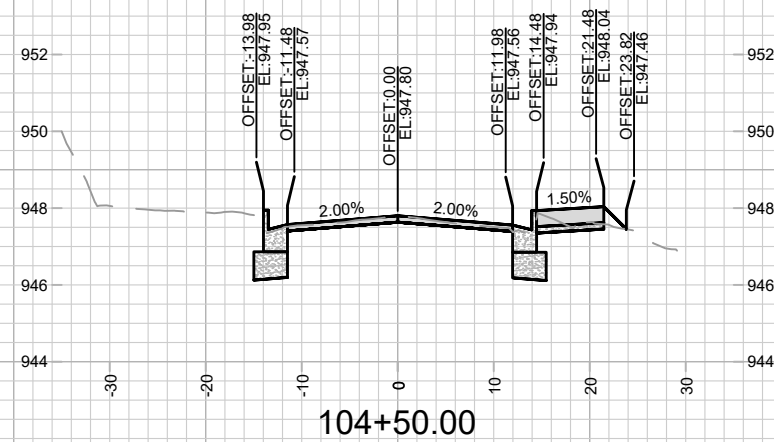
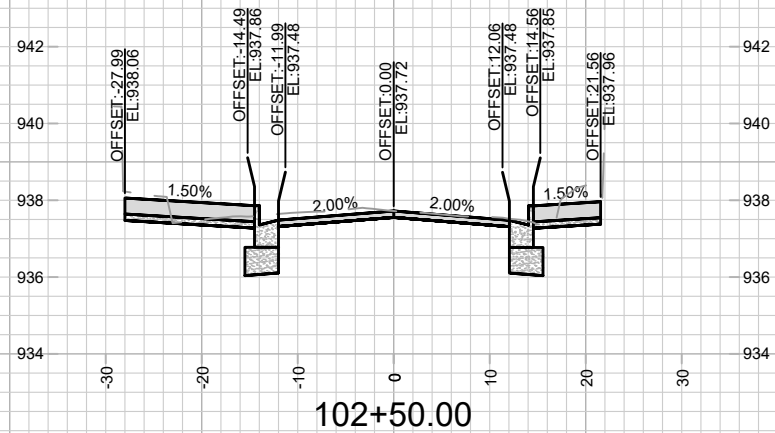
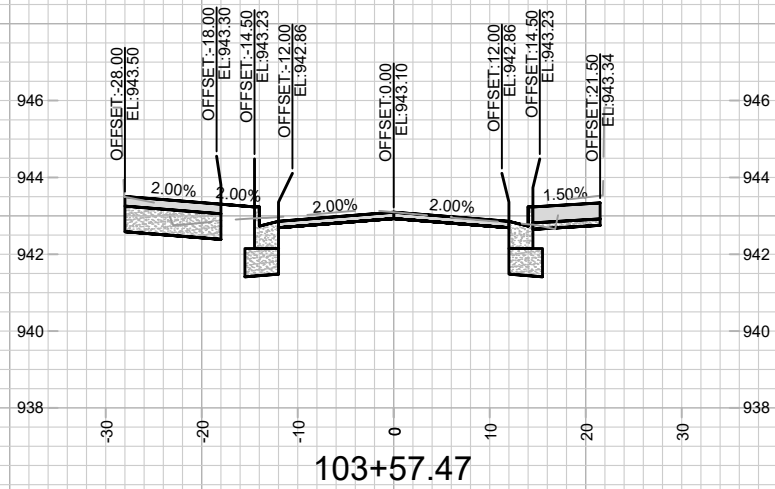
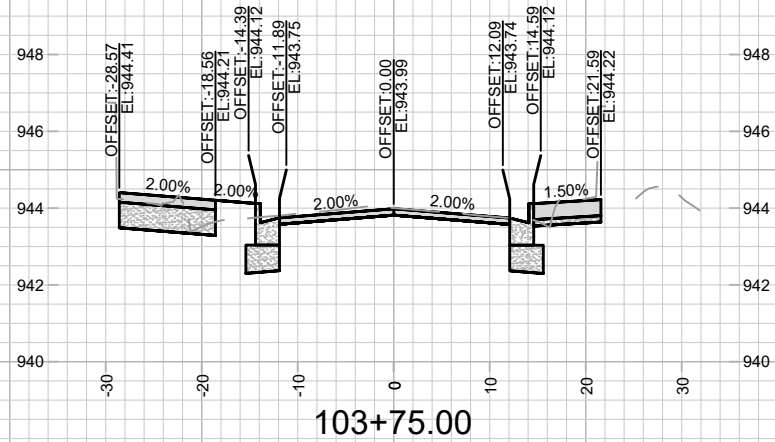
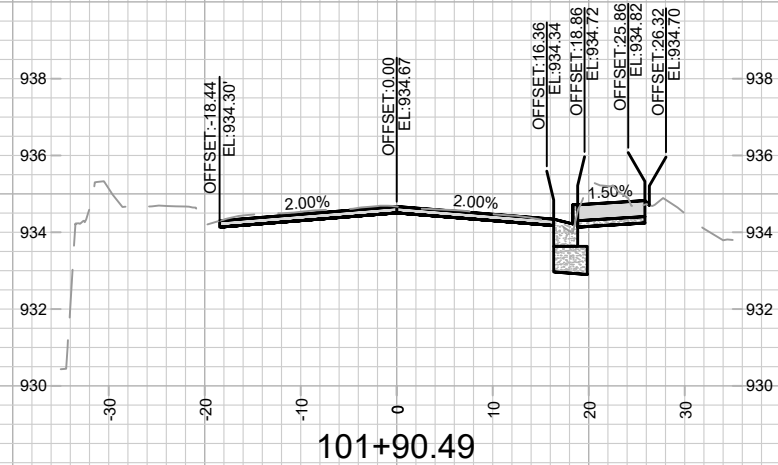
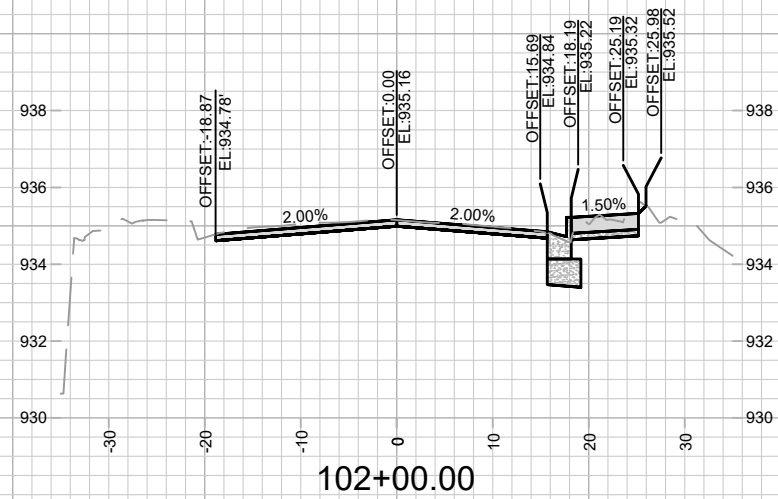
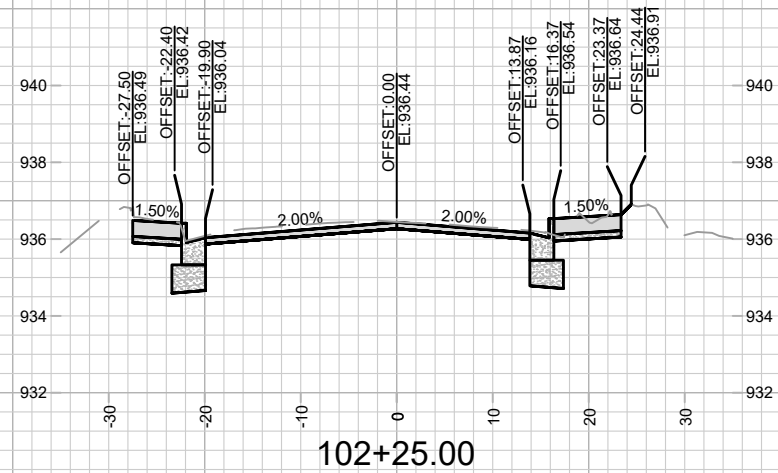
PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH PAID (FT)	ABN LGTH (FT)	SLURRY (CY)	PIPE SIZE	PIPE TYPE	NOTES
WEST BADGER ROAD										
RP-1	S-1	RS-1	7	Y	7	-	-	12"	RCP	
RP-2	S-2	RS-2	3	Y	3	-	-	12"	RCP	

SPECIFIC NOTES

- [1] CONNECT TO EX 12" RCP STM WITH CONCRETE COLLAR, APPROX EI(S) = 941.21
- [2] CONNECT TO EX 12" RCP STM WITH CONCRETE COLLAR, APPROX EI(S) = 943.53



	15791		15791	
	PM-1		PM-1	
PAVEMENT MARKING PLAN - W. BADGER RD		MADISON, WI		
BRIDGE REPAIRS 2026		CONTRACT NO: 8830		
M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg		Designed By: 15791		
		Date: 5/7/2026 5:24 PM		
		Scale: Custom		
		BY		



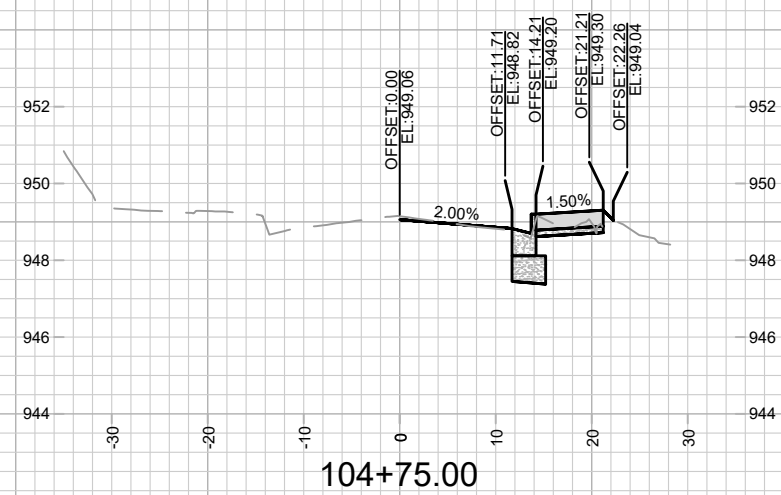
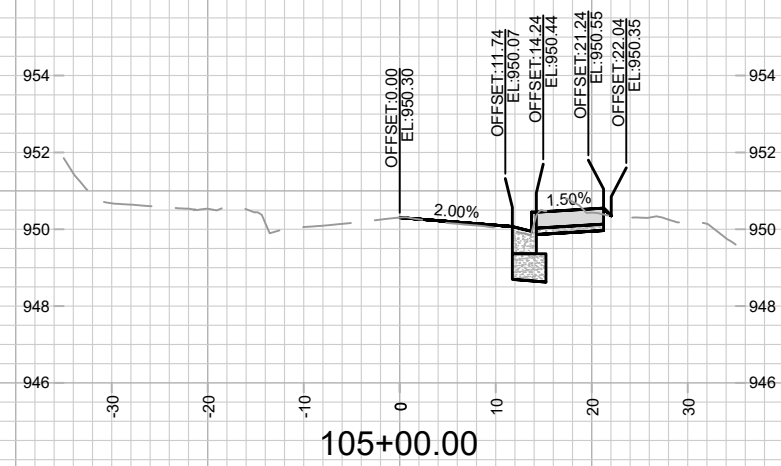
CROSS SECTIONS - W. BADGER RD
BRIDGE REPAIRS 2026

15791
MADISON, WI

CONTRACT NO: 8830

MARK	REVISION	DATE	BY
15791	5/15/2026 9:02 AM	Scale: 1" = 20'	X-1

15791
X-1



15791

X-2

CROSS SECTIONS - W. BADGER RD

BRIDGE REPAIRS 2026

M:\DESIGN\Projects\15791\CAD\Streets\15791EN-Corridor.dwg

15791

MADISON, WI

CONTRACT NO: 8830

MARK	REVISION	DATE	BY
Designed By: ###	Date: 5/15/2026 9:02 AM	Scale: 1" = 20'	
15791		X-2	





15791

P-3

STREET PLAN - CAMPUS DRIVE OVER WALNUT ST

BRIDGE REPAIRS 2026

M:\DESIGN\Projects\15791\CAD\Streets\15791\EN-PnP - Campus Drive.dwg

15791

MADISON, WI

CONTRACT NO: 8830

MARK

DESIGNED BY: ###

DATE

REVISION

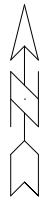
BY

15791

5/7/2026 12:24 PM

1" = 40'

P-3





15791

PM-2

PAVEMENT MARKING PLAN - CAMPUS DR

BRIDGE REPAIRS 2026

M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg

15791

15791

MADISON, WI

CONTRACT NO:

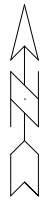
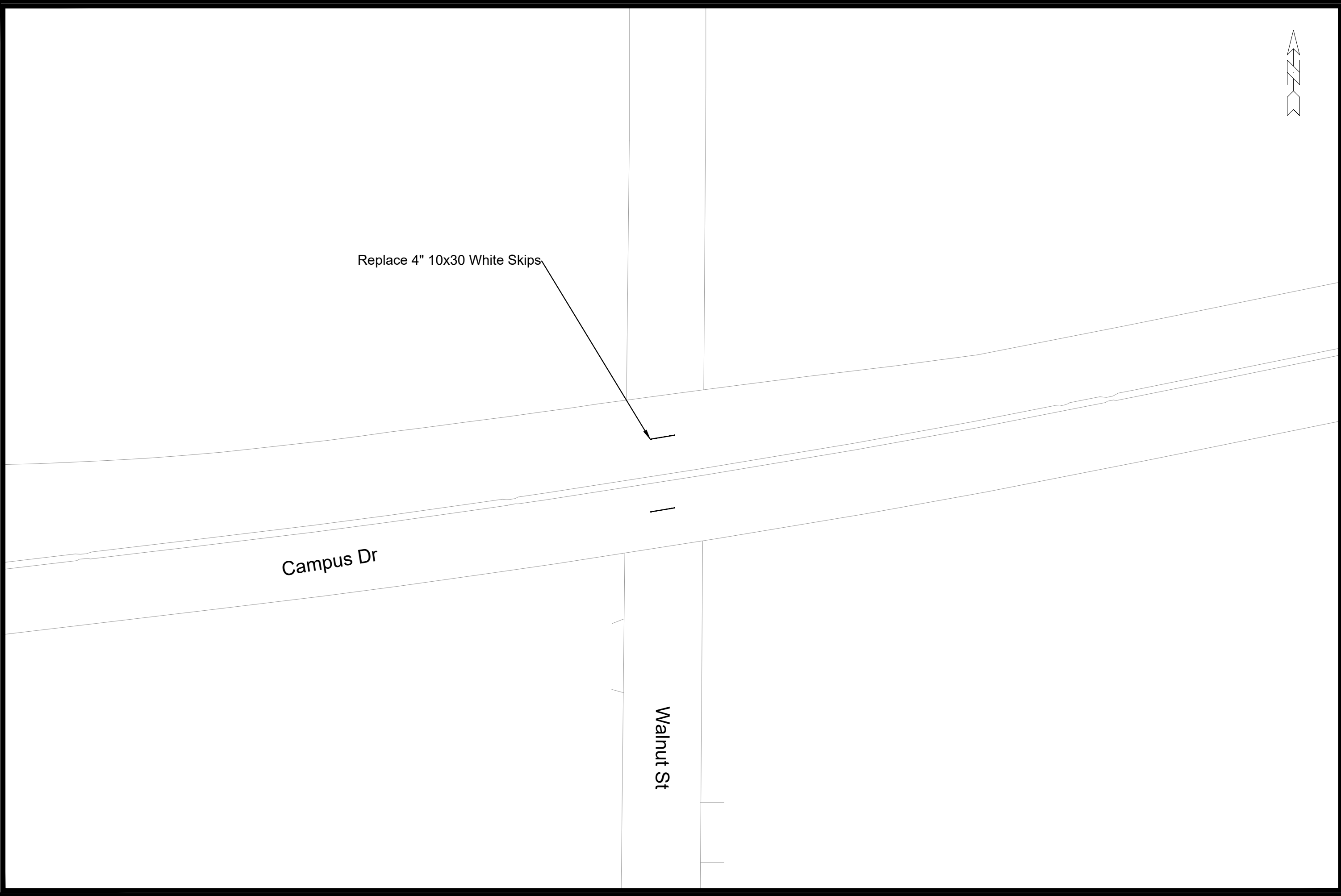
8830

15791

15791

PM-2

PM-2



	15791		15791	
	PM-3		PM-3	
PAVEMENT MARKING PLAN - CAMPUS DR		MADISON, WI		
BRIDGE REPAIRS 2026		CONTRACT NO: 8830		
M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg		Scale: Custom		
M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg		Date: 5/7/2026 5:26 PM		
M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg		Designed By: ###		
M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg		MARK		
M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg		REVISION		
M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg		DATE		
M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg		BY		
M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg		Scale: Custom		
M:\DESIGN\Projects\15791\CAD\Traffic\15791TE-Pavement Markings.dwg		PM-3		