

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

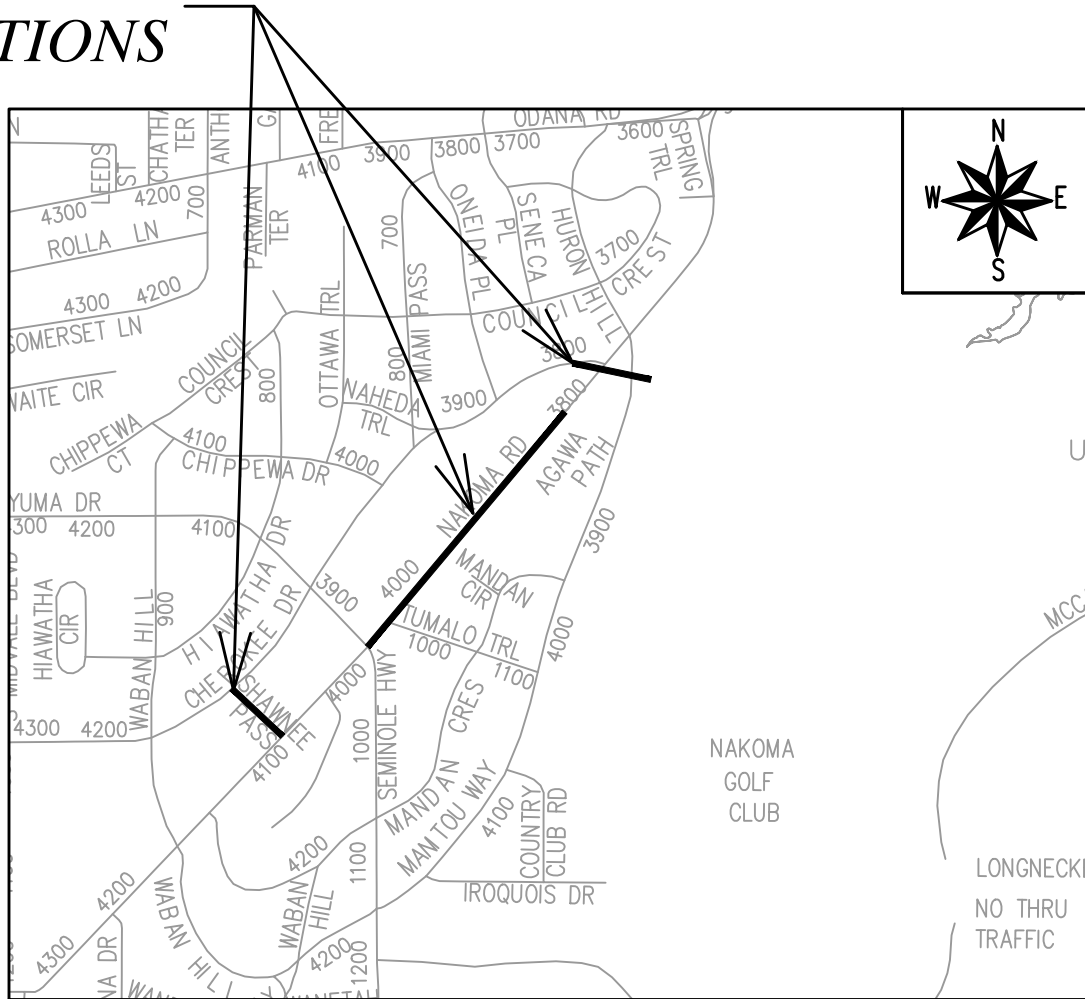
INDEX OF SHEETS

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SHEET NO.	MN1	MAINTENANCE PLAN (CITY USE ONLY)

SHAWNEE PASS ASSESSMENT DISTRICT 2025, NAKOMA SIDEWALK, AND NAKOMA CULVERT

CITY PROJECT NO. 11822
CONTRACT NO. 8783

PROJECT LOCATIONS



- ADDENDUM #1 - 4/8/25
REVISED THE FOLLOWING:
D-3, D-5, P-5, U-5, U-7
- REVISION #1 - 7/8/25
REVISED THE FOLLOWING:
P1-P5
- REVISION #2 - 7/29/25
REVISED THE FOLLOWING:
D3, D4, U5, U6, U9

EARTH WORK SUMMARY:
EXCAVATION CUT (MEASURED PLAN QUANTITY) =1,410 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT = 80 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT =1,490 C.Y.

PUBLIC IMPROVEMENT PROJECT
APPROVED

FEBRUARY 11, 2025

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

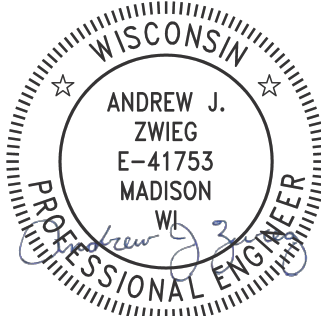
Julie

Apr 4, 2025

City Engineer

Date

STREET
DESIGNED BY:



Apr 4, 2025

STORM SEWER
DESIGNED BY:



Apr 4, 2025

PAVEMENT MARKING
DESIGNED BY:



Apr 4, 2025

SANITARY SEWER
DESIGNED BY:

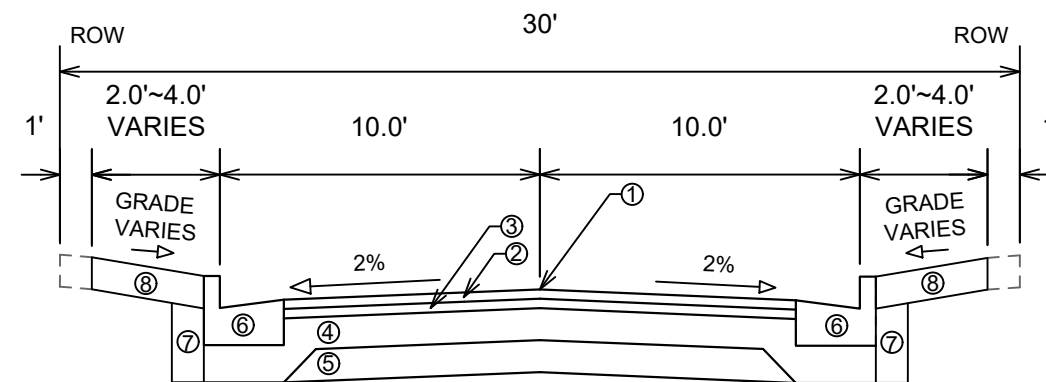


Apr 4, 2025

PLOT SCALE: 1 IN=1 FT_XREF
PLOT NAME: ---

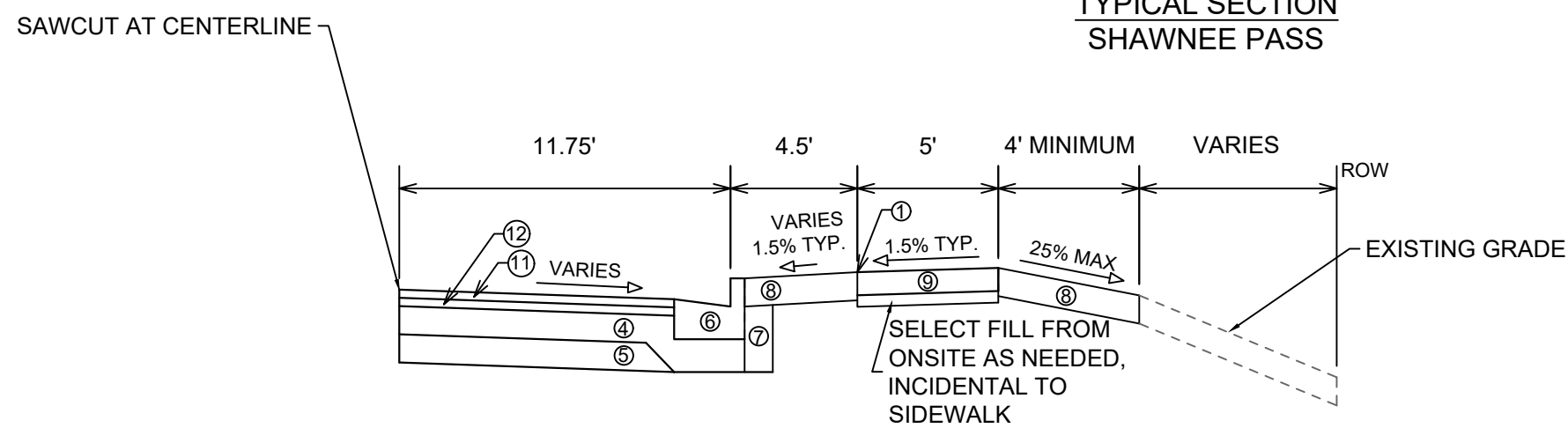
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ORIGINATOR: CITY_OF_MADISON

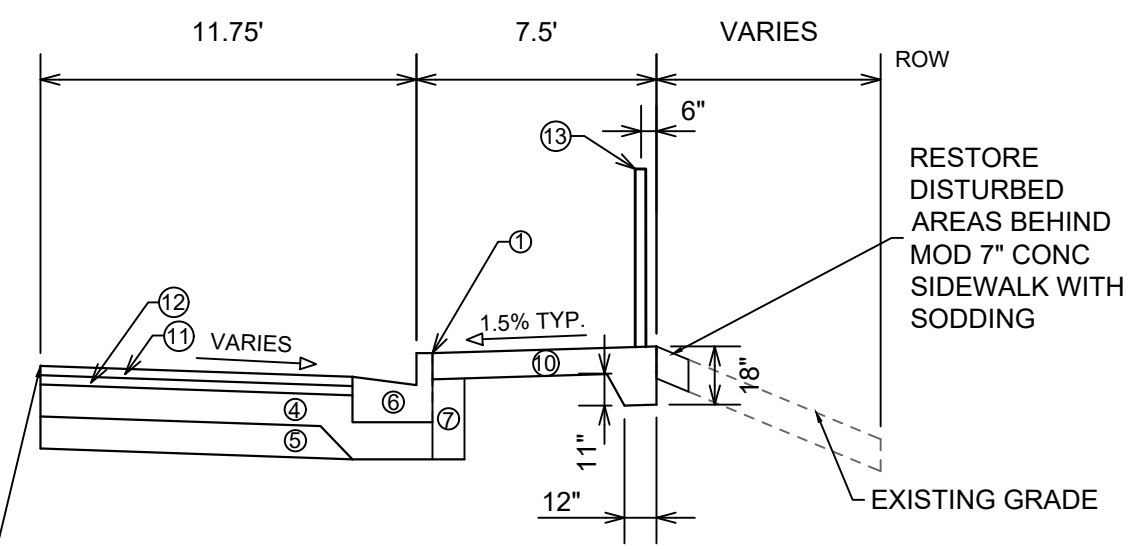


- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (UPPER LAYER)
- ③ 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (LOWER LAYER)
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A'
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑨ 5" CONCRETE SIDEWALK
- ⑩ MODIFIED 7" CONCRETE SIDEWALK WHERE SHOWN ON PLANS
- ⑪ 2" HMA PAVEMENT, TYPE 4 MT 58-28 S (UPPER LAYER)
- ⑫ 3.5" HMA PAVEMENT, TYPE 3 MT 58-28 S (LOWER LAYER)
- ⑬ PEDESTRIAN RAILING WHERE SHOWN ON PLANS

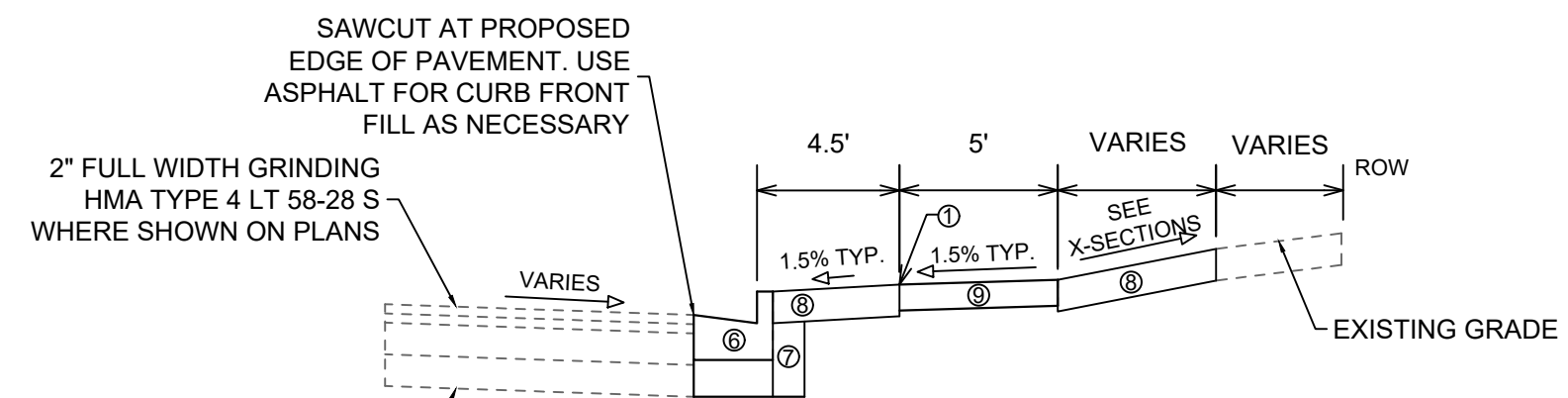
TYPICAL SECTION SHAWNEE PASS



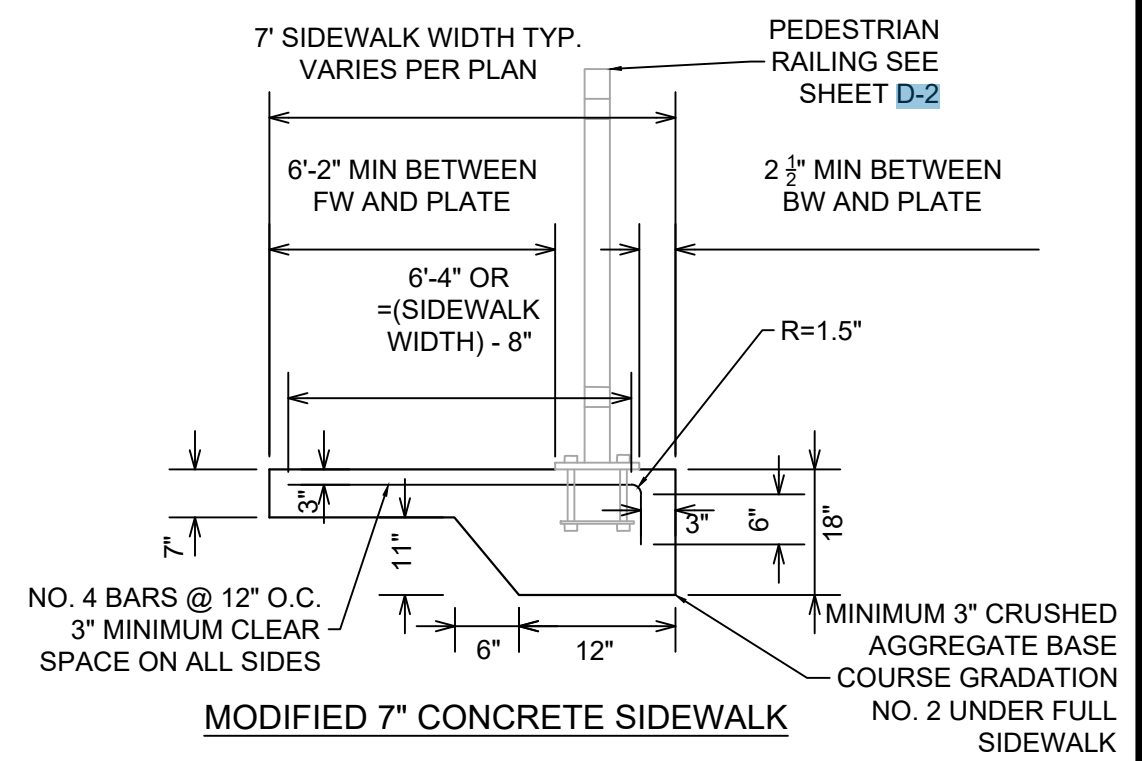
TYPICAL SECTION
NAKOMA ROAD SIDEWALK
STA 12+04.81 TO STA 12+77.22
STA 14+22.90 TO STA 14+42.97

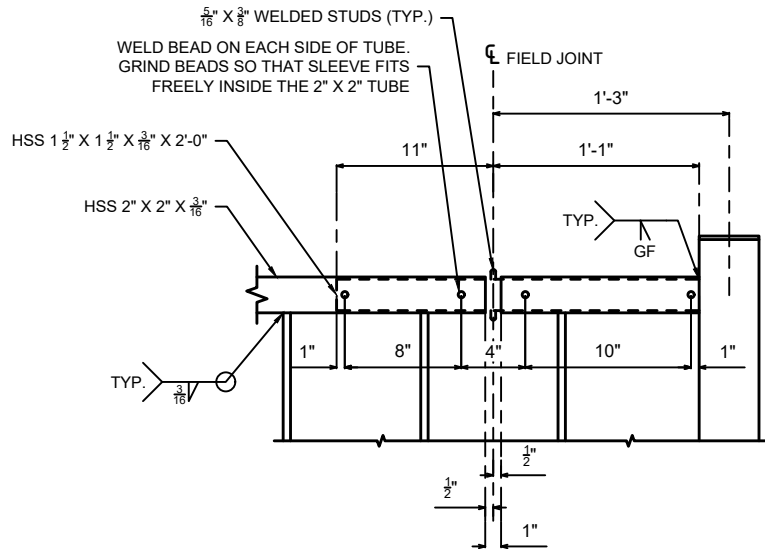


TYPICAL SECTION
NAKOMA ROAD SIDEWALK
STA 9+47.06 TO STA 12+04.81
STA 12+77.22 TO STA 14+22.90

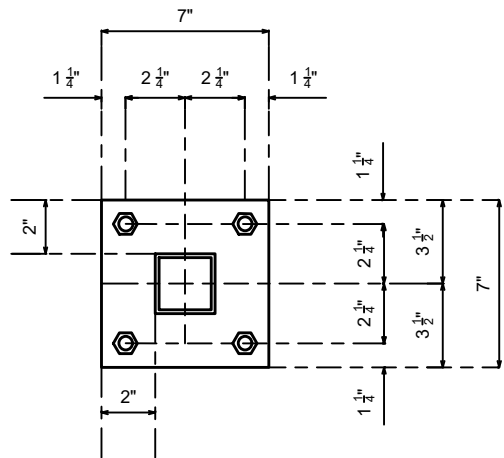


TYPICAL SECTION
NAKOMA ROAD SIDEWALK
STA 14+42.97 TO STA 23+84.67

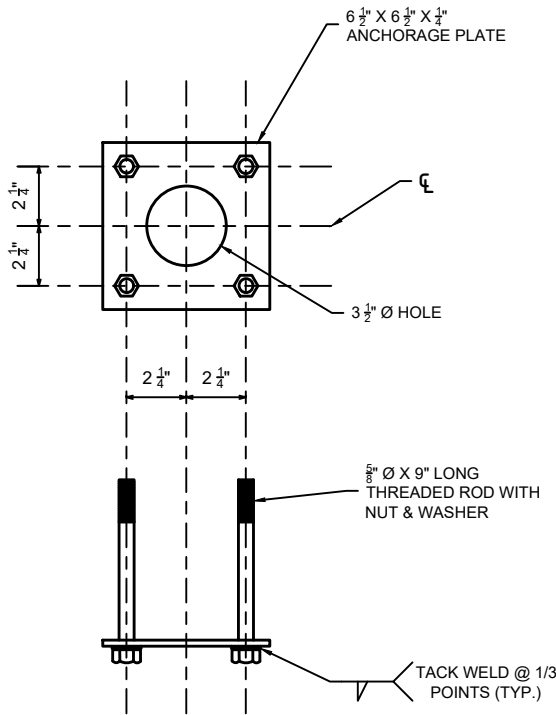




RAILING EXPANSION JOINT DETAIL



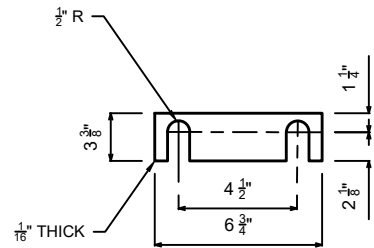
BASE PLATE DETAIL



ANCHORAGE DETAIL

$\frac{3}{16}$ " $\varnothing$ X 9" LONG TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF THE SAME ALLOY GROUP.

ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS $\frac{3}{8}$ ". EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF WISDOT STANDARD SPECIFICATIONS



SHIM PLATE DETAIL
TWO PER POST

NOTES:

ITEM SHALL BE "PEDESTRIAN RAILING", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET POSTS NORMAL TO GRADE. CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED. CAULK AROUND PERIMETER OF BASE PLATES, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

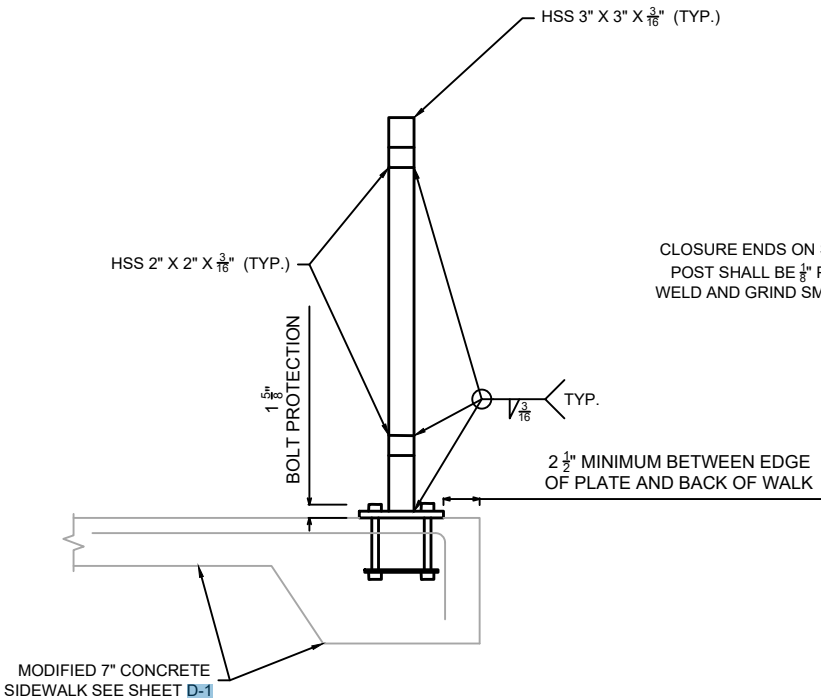
ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038.

ANCHOR BOLTS, NUTS AND WASHERS SHALL BE STAINLESS STEEL TYPE 316.

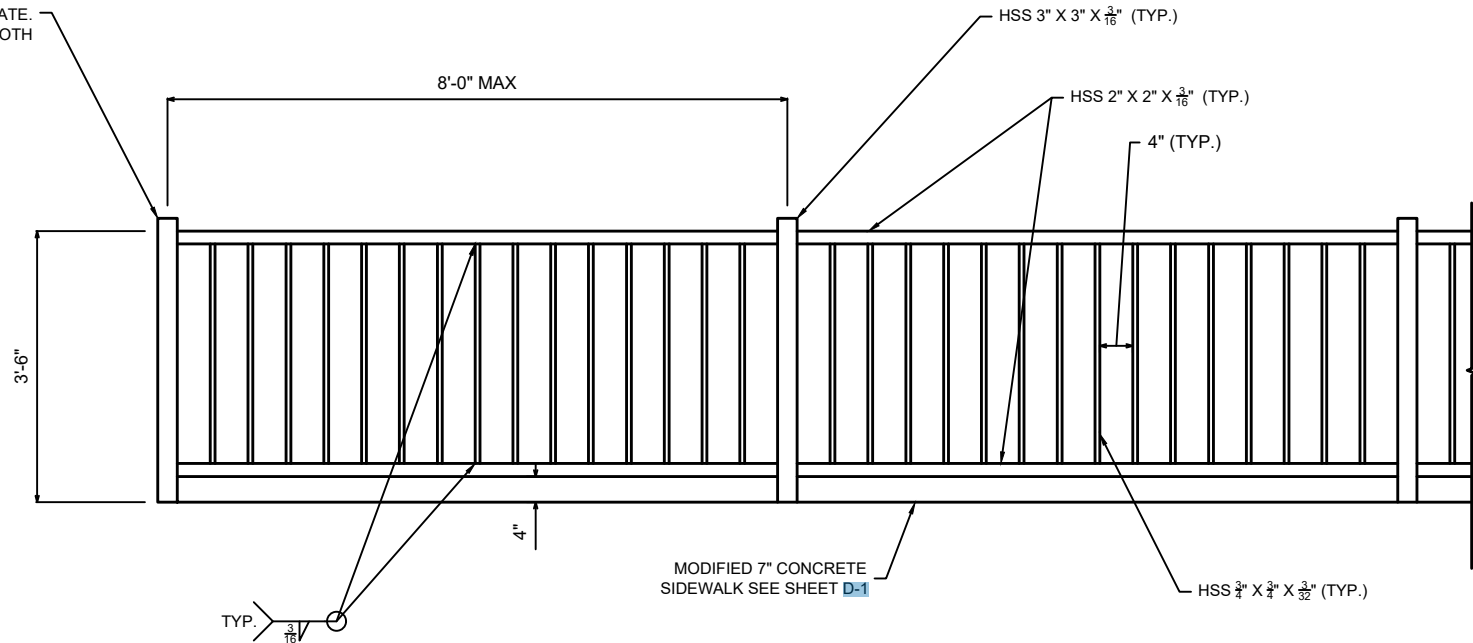
VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



PEDESTRIAN RAILING: SECTION VIEW



PEDESTRIAN RAILING: PROFILE VIEW

DATE	BY
REVISION	BY
MARK	BY
Scale: #####	11822
Designed By: MFG	11822

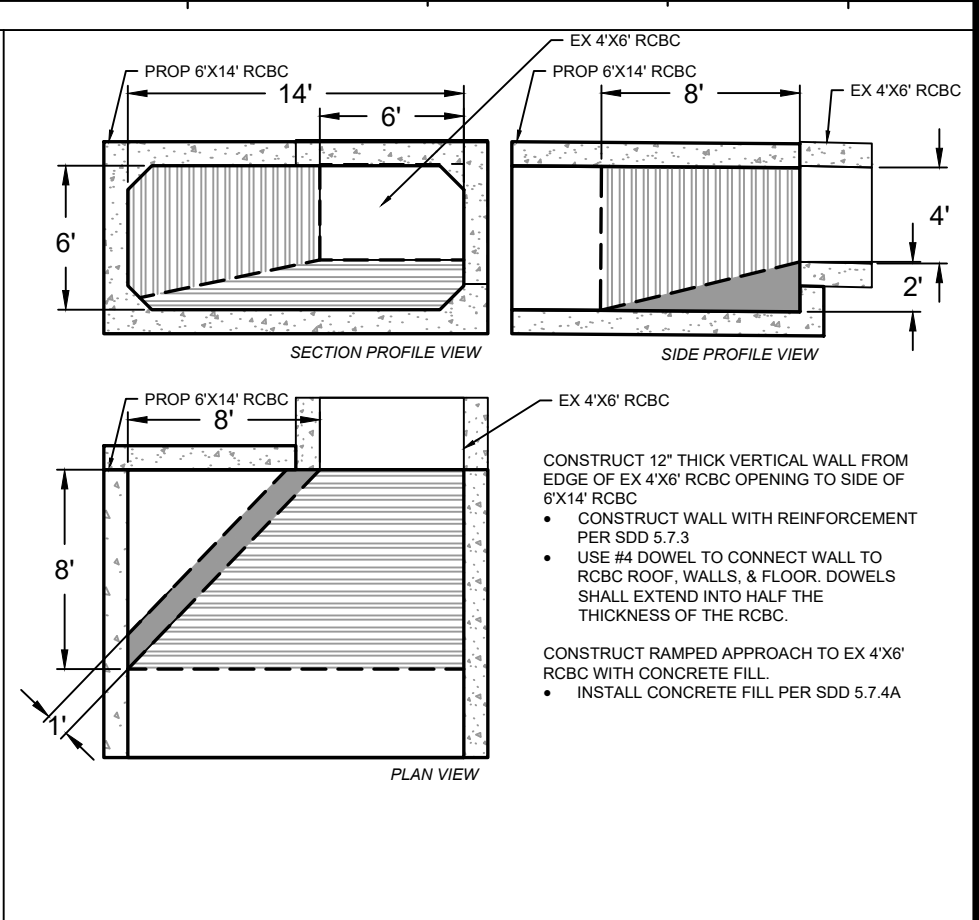
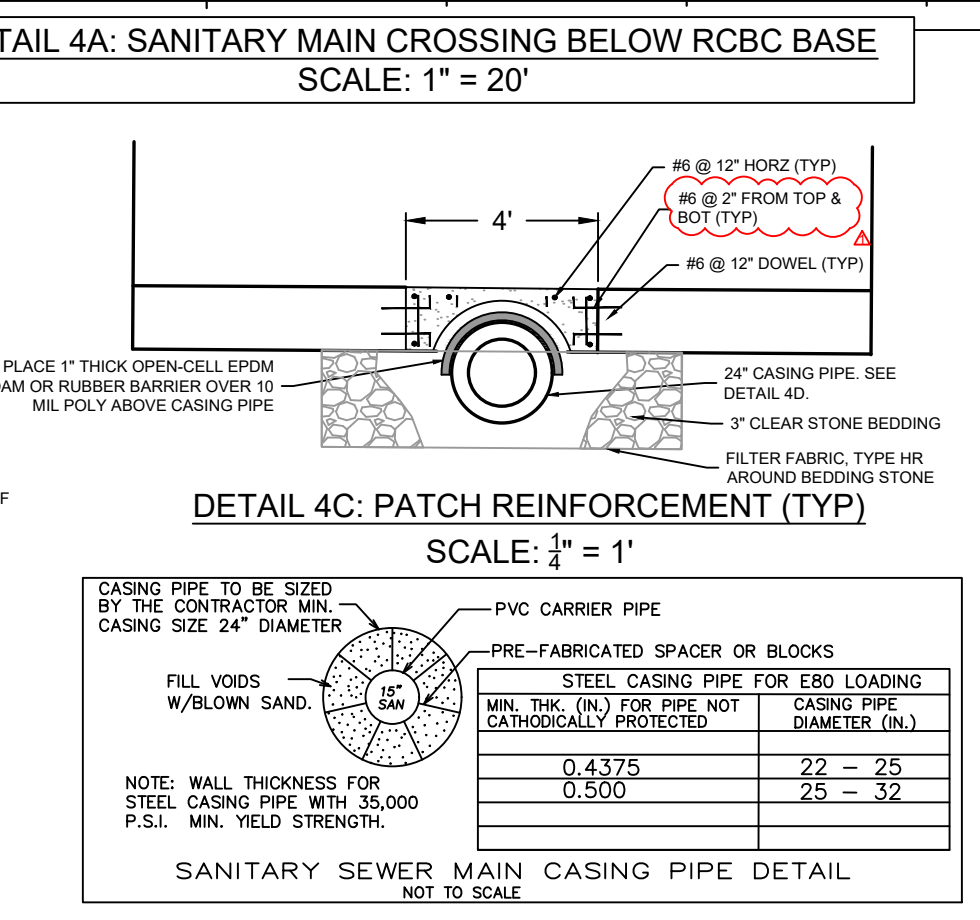
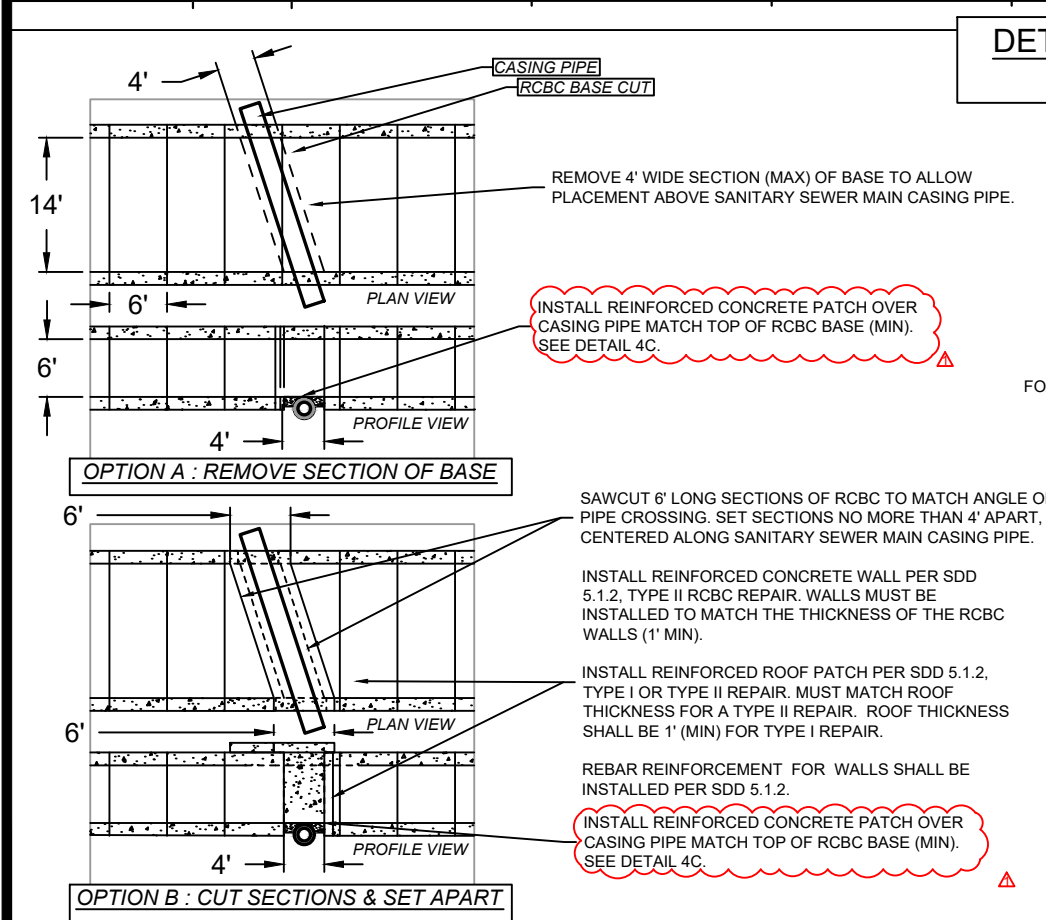
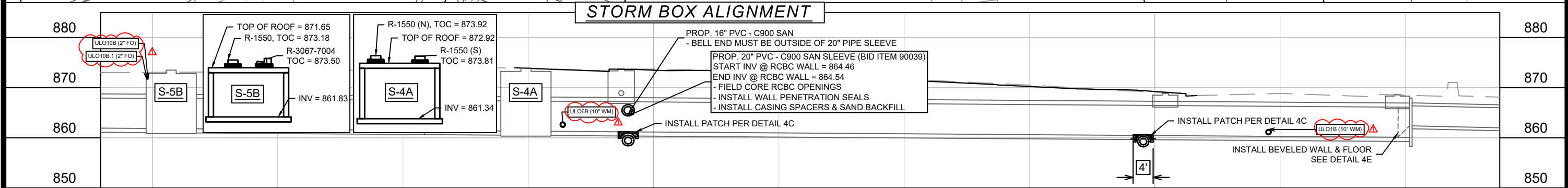
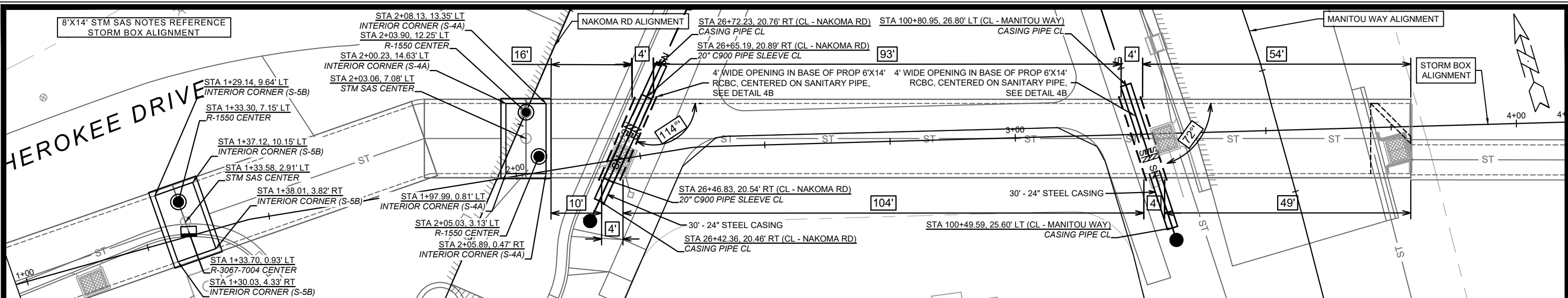
11822
MADISON, WI

CONTRACT NO: 8783

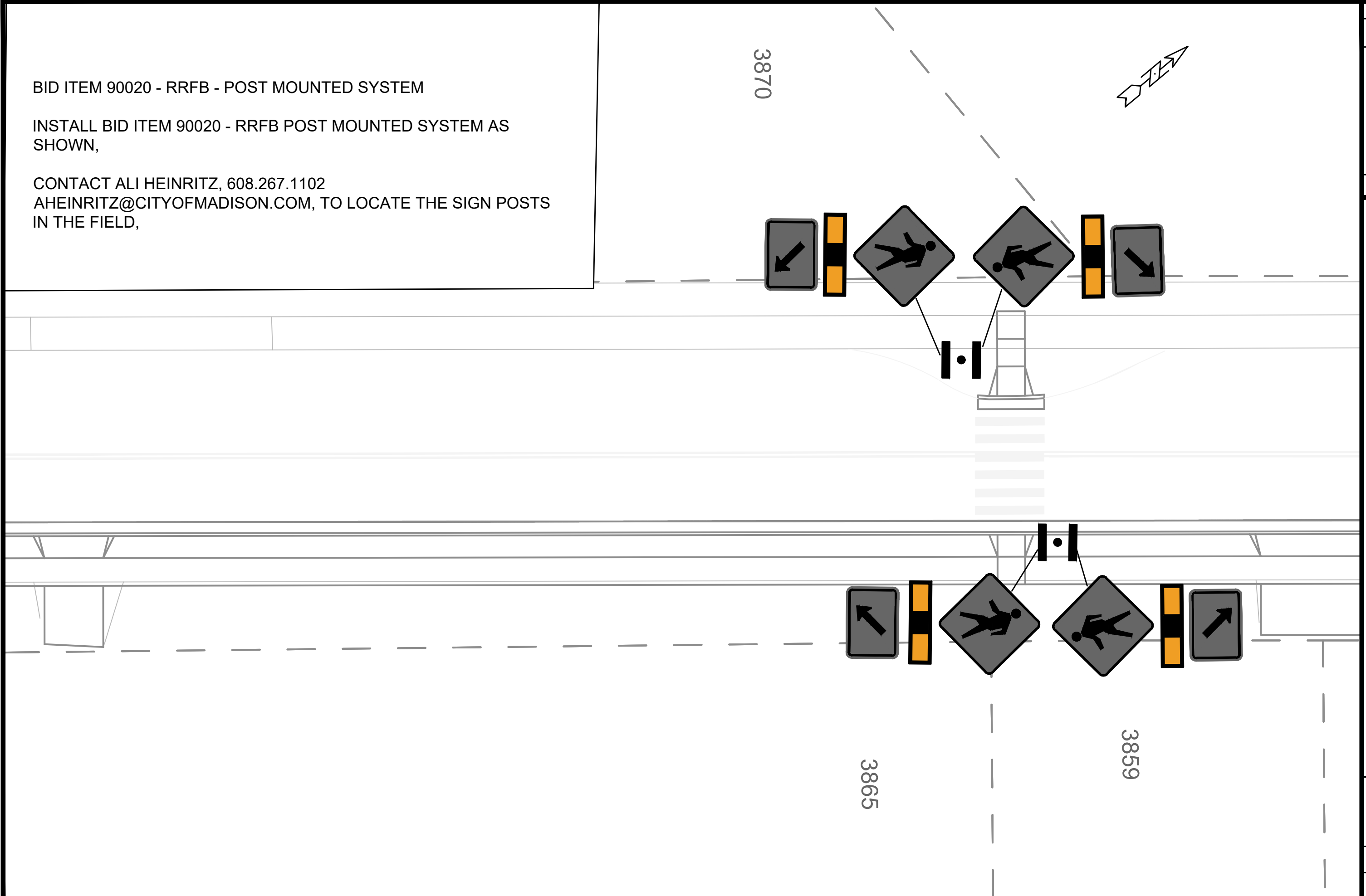
PEDESTRIAN RAILING DETAIL
SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT



11822
D-2



CONTACT ALI HEINRITZ, 608.267.1102
AHEINRITZ@CITYOFMADISON.COM, TO LOCATE THE SIGN POSTS
IN THE FIELD,



0-6

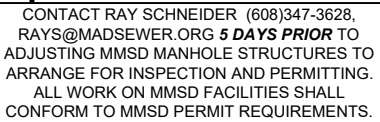
MADISON, WI

CONTRACT NO:

IM, WI

8783

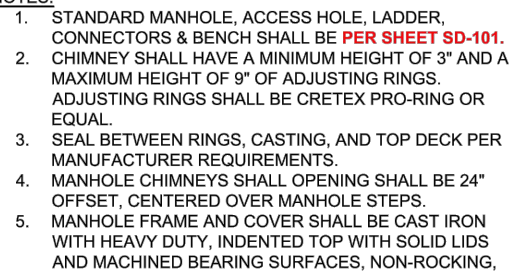
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			D-6



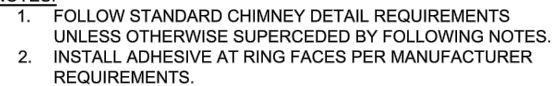
1. MANHOLE SECTIONS AND THICKNESSES SHALL BE PRECAST REINFORCED CONCRETE, CONSTRUCTED PER ASTM C-478 (ROUND) OR C-913 (SQUARE).
2. THE BASE THICKNESS SHALL BE 8 INCHES FOR DEPTHS 10 FEET OR LESS AND 12 INCHES FOR DEPTHS OVER 10 FEET.
3. STEPS, M.A. INDUSTRIES OR EQUAL, SHALL BE PLACED 16" ON CENTER IN ALL MANHOLES AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. STEPS SHALL BE CENTERED ON BENCH. TOP STEP SHALL BE INSTALLED 24" FROM DECK UNDERSIDE.
4. MANHOLE CHIMNEYS SHALL HAVE FROM 3 TO 9 INCHES OF ADJUSTING RINGS. OPENING SHALL BE 24" OFFSET, CENTERED OVER MANHOLE STEPS.
5. THE BENCH SHALL BE 75% OF THE HEIGHT OF THE PIPE WITH A MAX HEIGHT OF 24" FOR PIPES 24" DIA. OR LARGER, OR TO THE PIPE CROWN FOR PIPES LESS THAN 24" DIA.
6. BENCH SHALL BE SLOPED 1" - 2" PER FOOT.
7. THE INVERT CHANNEL SHALL BE TOWELED TO SMOOTH, DENSE SURFACE AND A SEMICIRCULAR SHAPE CONFORMING TO THE INSIDE OF THE ADJACENT SEWER.
8. TOP DECK SHOULD BE A FLATTOP UNLESS OTHERWISE NOTED.
9. JOINTS SHALL RECEIVE NON-HARDENING BUTYL RUBBER SEALANT MINIMUM THICKNESS 3/4". TYP. EXTERIOR JOINTS SHALL RECEIVE JOINT PROTECTION SUCH AS MACWRAP OR APPROVED EQUAL TO A MINIMUM WIDTH OF 9", TYP.
10. PROVIDE WATERTIGHT FLEXIBLE PIPE CONNECTOR FOR ALL CONNECTIONS UNLESS OTHERWISE NOTED.

11. MANHOLE INTERIOR COATINGS TO BE DIRECTED BY THE DISTRICT.
12. CHIMNEY, FRAME, & COVER **PER SHEET SD-201**.
13. MINIMUM HEIGHT FROM TOP OF BENCH TO DECK UNDERSIDE SHALL BE 7'-0".
14. PICKHOLES SHALL UNDER NO CIRCUMSTANCES PENETRATE THRU CONCRETE. EARTHLOE STYLE PICKHOLES OR USE SUPERFICIAL LIFTING HOOKS SHOULD BE USED INSTEAD. ALL PICKHOLES SHALL BE MORTARED PRIOR TO BACKFILLING.
15. BOOT EXPANDERS SHALL BE PLACED AND INSTALLED AT THE 12 O'CLOCK POSITION WITH SCREW ENDS CAPPED, UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER.
16. CONCRETE OPENINGS MUST BE CORED FOR SURFACE APPLIED WATERTIGHT FLEXIBLE PIPE CONNECTORS (I.E. KOR-N-SEAL BOOTS), POURING ONLY ACCEPTABLE IF CONNECTOR IS DESIGNED TO BE POURED-IN-PLACE (I.E. A-LOK).
17. FOR A RECONSTRUCTED MANHOLE, IF A JOINT BETWEEN MANHOLE SECTIONS IS NOT A TONGUE AND GROOVE CONFIGURATION, THE CONTRACTOR SHALL INSTALL DOWELS AT A MINIMUM OF THREE LOCATIONS AROUND THE PERIMETER OF THE MANHOLE. THE DOWELS SHALL BE #4 REBAR EMBEDDED 3-INCHES INTO EACH SECTION OF THE MANHOLE. IN LIEU OF THIS, THE CONTRACTOR MAY INSTALL 6"x6" SST PLATES AT A MINIMUM OF THREE LOCATIONS ON THE OUTSIDE OF THE MANHOLE. THE PLATES SHALL BE ANCHORED WITH TWO 3/8" DIAMETER SST BOLTS ON EACH SIDE OF THE JOINT AT ALL LOCATIONS.

REV	DATE	DSGN	DRWN	CHCK	APPV	DRAWING NUMBER
1	03/27/2020	ALI	RJF	BAB	TG. & JH	
2	04/05/2021	ALI	RJF	TG & JH		



- SELF SEALING, WITH CONCEALED PICK HOLES, STAMPED WITH THE LETTERING "MADISON METROPOLITAN SEWERAGE DISTRICT", NF-10500151.
6. 9" HEIGHT (NF-10502301 OR EQUAL) IS STANDARD. 4" HEIGHT (NF-16892301 OR EQUAL) MAY BE PERMITTED PER MADISON METROPOLITAN DISTRICT APPROVAL.
7. CHIMNEY SEALS DETERMINED ON A CASE-BY-CASE BASIS.
8. BROKEN OR CRACKED ADJUSTING RINGS ARE NOT PERMITTED AND WILL BE REJECTED.



3. SECURE CASTING TO MANHOLE TOP DECK, MINIMUM 2" EMBEDMENT, IN FOUR LOCATIONS WITH HEX HEAD SCREWS. ALL HARDWARE TO BE STAINLESS STEEL.
4. LID SHALL BE NF-19160436 OR EQUAL. 9" FRAME SHALL BE NF-19160280 OR EQUAL.

REV	DATE	DSGN	DRWN	CHCK	APPV	DRAWING NUMBER
1	03/27/2020	ALL	R/JF	BAB	TG & JH	SD-201
2	04/05/2021	ALL	R/JF	TG & JH		
3	11/10/2021	CW	R/JF	CW		

NAKOMA RD, CHEROKEE DR, & MANITOU WAY

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 COMPLETE REMOVAL OF TRACKED SEDIMENT FREQUENTLY AND SWEEPING OF STREETS & GUTTERS WHEN AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM. ALL STREETS AND GUTTERS MUST BE SWEEPED CLEAR AT THE END OF EACH WORK DAY.

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

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

LEGEND:

- RIGID FRAME INLET PROTECTION
- TYPE C INLET FILTER - MUST INSTALL 2X4 ACROSS CURB OPENINGS. 2X4 & FABRIC MUST BE CONNECTED TO FRAME W/ WIRE. FABRIC MUST BE TRIMMED TO 2" FROM EDGE OF GRATE. FILTER MUST BE CLEAR OF DEBRIS BY THE END OF EACH WORK DAY.
- SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)

STATIONING AND ALIGNMENTS:

- CHEROKEE DRIVE: 0+00 to 10+00
- NAKOMA RD ALIGNMENT: 24+00 to 28+00
- MANITOU WAY ALIGNMENT: 10+00 to 10+77
- STORM BOX ALIGNMENT: 0+00 to 4+00

PROPERTY OWNERS AND ADJACENT STREETS:

- 070928232012, 3800 Nakoma Rd, CITY OF MADISON PARKS, NAKOMA PARK
- 070933201265, 3805 Nakoma Rd, BAKER, DANIEL J & CARROLL A BAKER
- 070933201267, 3802 Manitou Way, LOBBEGGIO, TARA
- 070933201273, 3809 Nakoma Rd, GALLAGHER, BERNARD F & KAREN M GALLAGHER

RIGID FRAME INLET PROTECTION

TYPE C INLET FILTER - MUST INSTALL 2X4 ACROSS CURB OPENINGS. 2X4 & FABRIC MUST BE CONNECTED TO FRAME W/ WIRE. FABRIC MUST BE TRIMMED TO 2" FROM EDGE OF GRATE. FILTER MUST BE CLEAR OF DEBRIS BY THE END OF EACH WORK DAY.

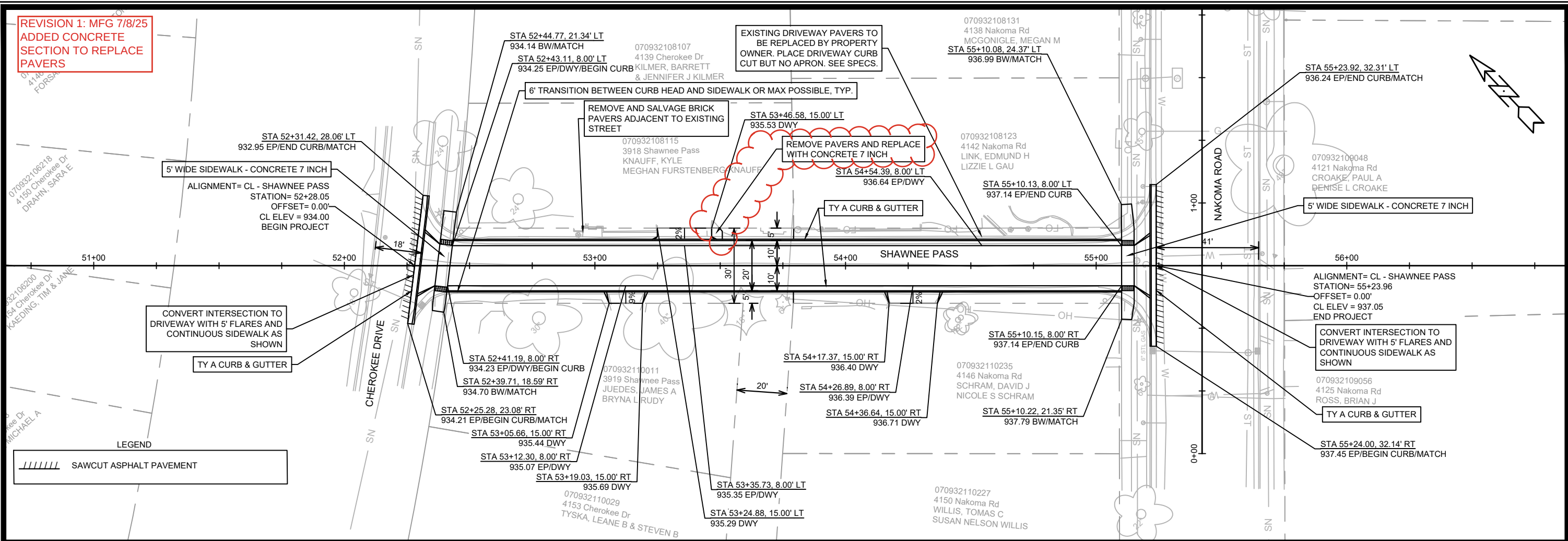
SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)

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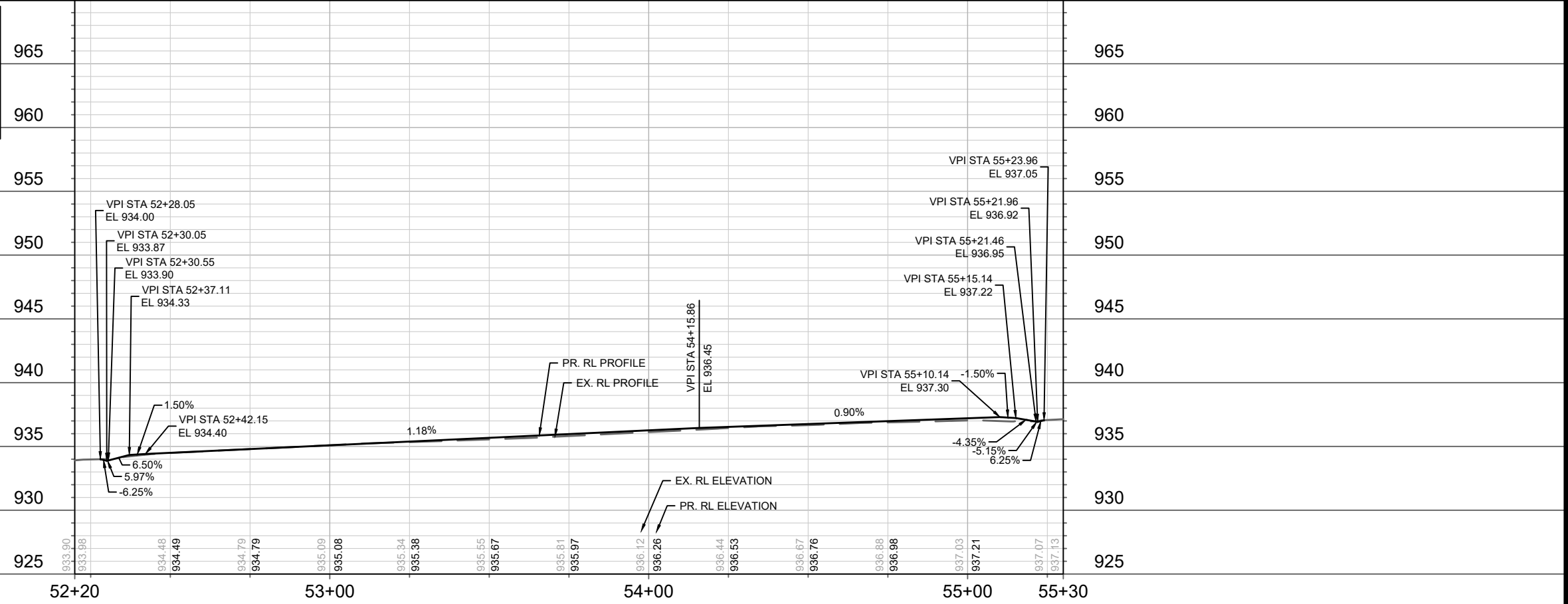


11822
EC-2

REVISION 1: MFG 7/8/25
ADDED CONCRETE
SECTION TO REPLACE
PAVERS



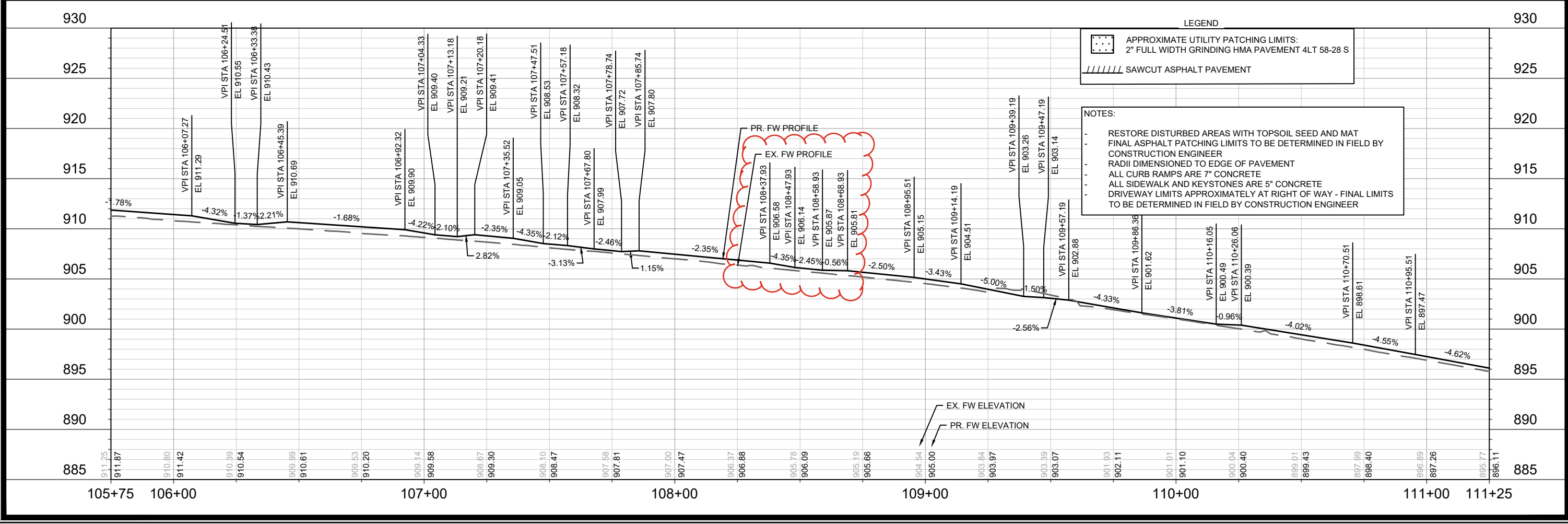
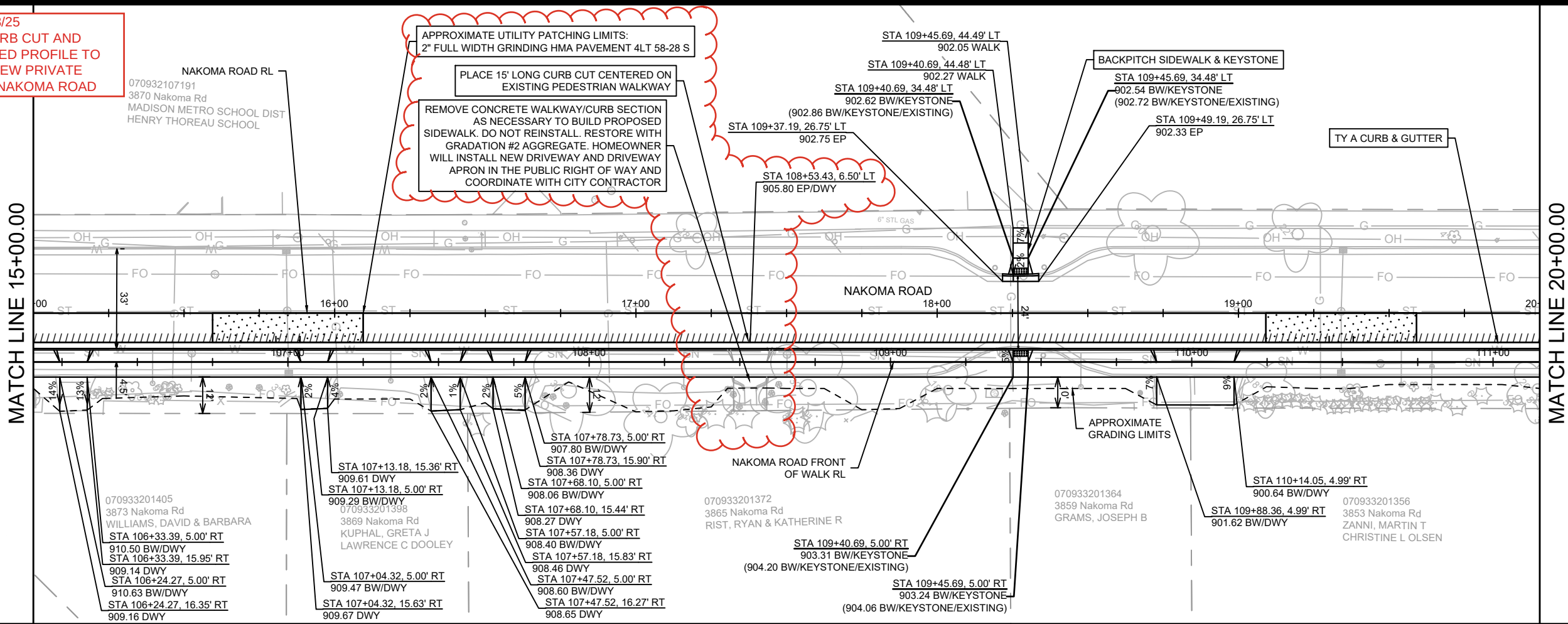
- NOTES:
- RESTORE DISTURBED AREAS WITH TOPSOIL SEED AND MAT
 - FINAL ASPHALT PATCHING LIMITS TO BE DETERMINED IN FIELD BY CONSTRUCTION ENGINEER
 - ALL SIDEWALK IS 7" CONCRETE
 - BEGIN AND END SHAWNEE PASS TY A CURB WITH ~2' TRANSITIONS BETWEEN 6" CURB HEAD AND FLAT SIDEWALK
 - 2' TRANSITION BETWEEN CURB HEAD AND SIDEWALK, TYP.



11822	MADISON, WI	8783	CONTRACT NO:
SHAWNEE PASS PLAN & PROFILE			
SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT			
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11822			
P-1			

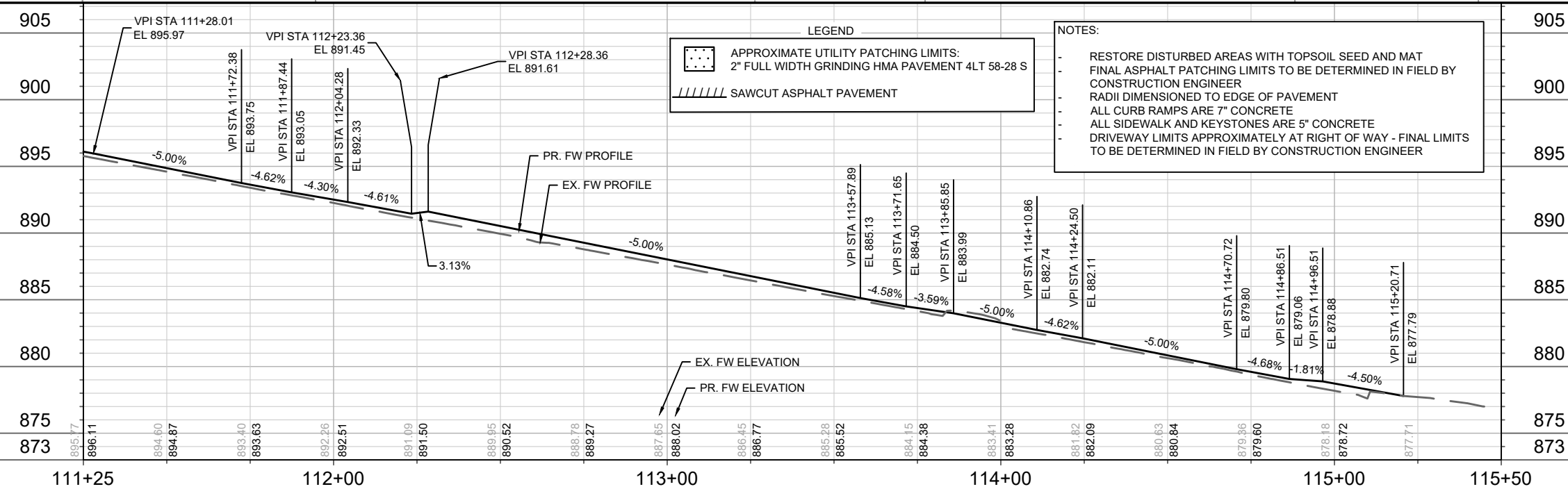
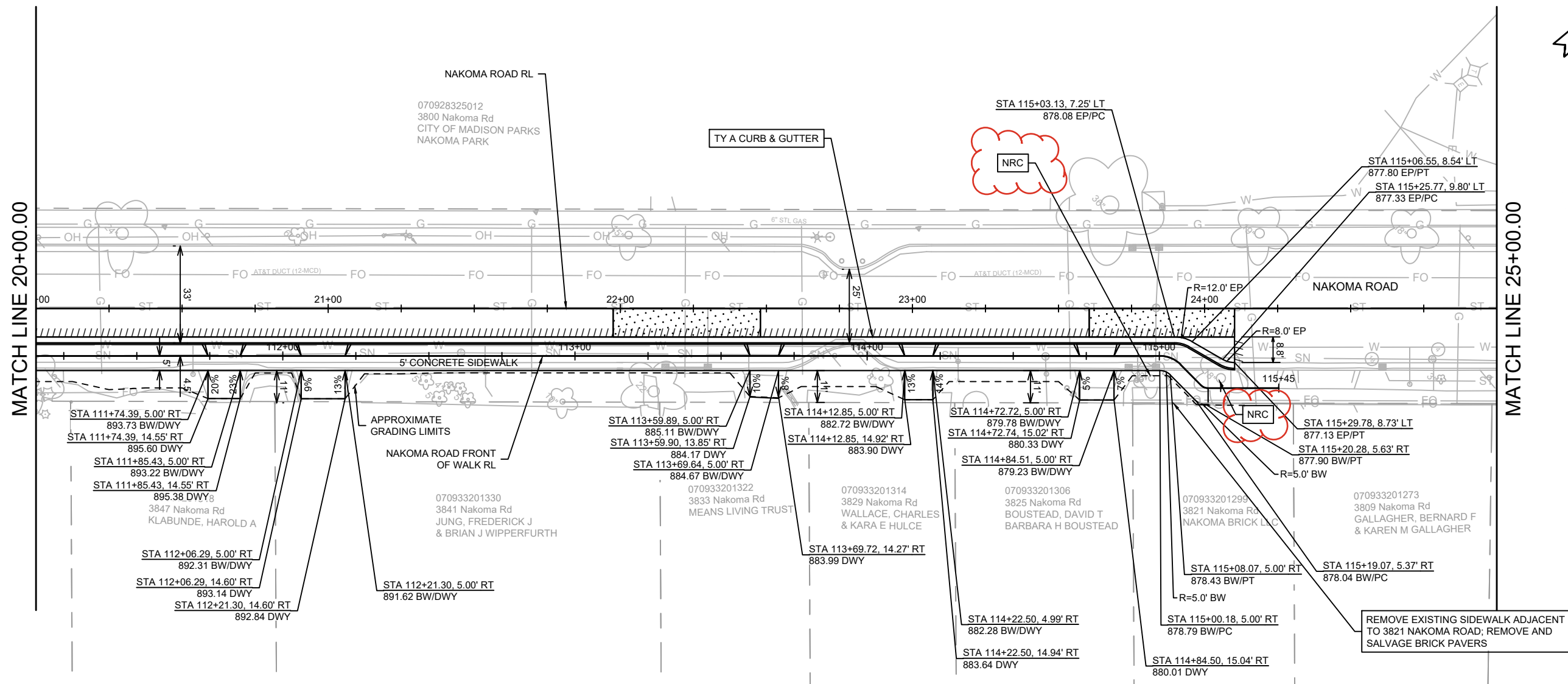
BY	DATE	REVISION	Scale: 1" = 40'
MARK	11/22/2025	11822	

REVISION 1: MFG 7/8/25
ADDED 15' LONG CURB CUT AND
ADJUSTED PROPOSED PROFILE TO
ACCOMMODATE A NEW PRIVATE
DRIVEWAY AT 3865 NAKOMA ROAD



11822	MADISON, WI	CONTRACT NO: 8783
NAKOMA ROAD SIDEWALK PLAN & PROFILE		
SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT		
M:\DESIGN\Projects\11822\CAD\Streets\11822EN-PnP.dwg		
11822		
P-3		

REVISION 1: MFG 7/8/25
ADDED NRC NOTES



MARK	REVISION	DATE	BY
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Designed By: MFG			P-4

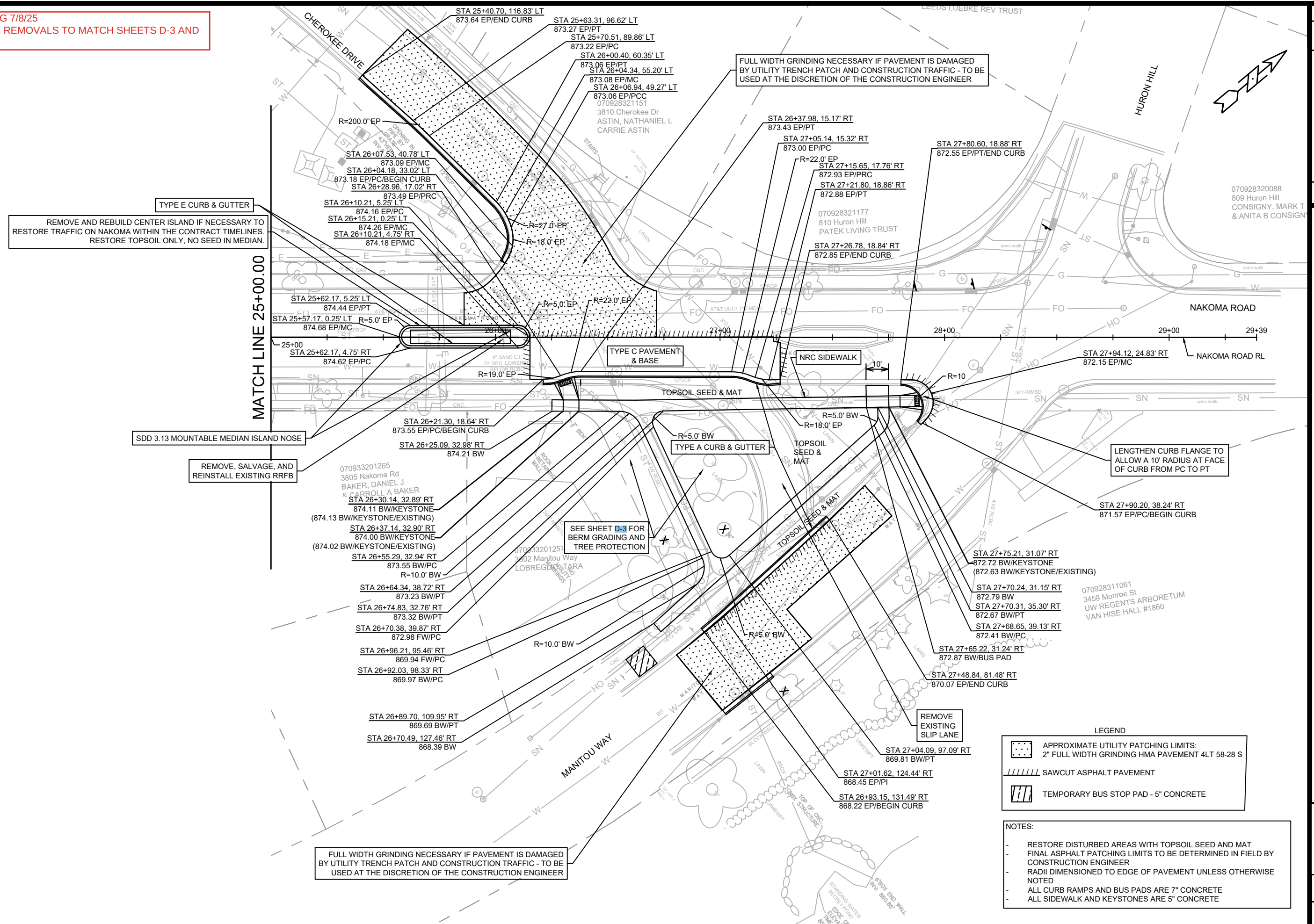
11822	
PORT	MADISON, WI
CONTRACT NO:	8783

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1822
P-4

REVISION 1: MFG 7/8/25
UPDATED TREE REMOVALS TO MATCH SHEETS D-3 AND
U-5

[illegible]

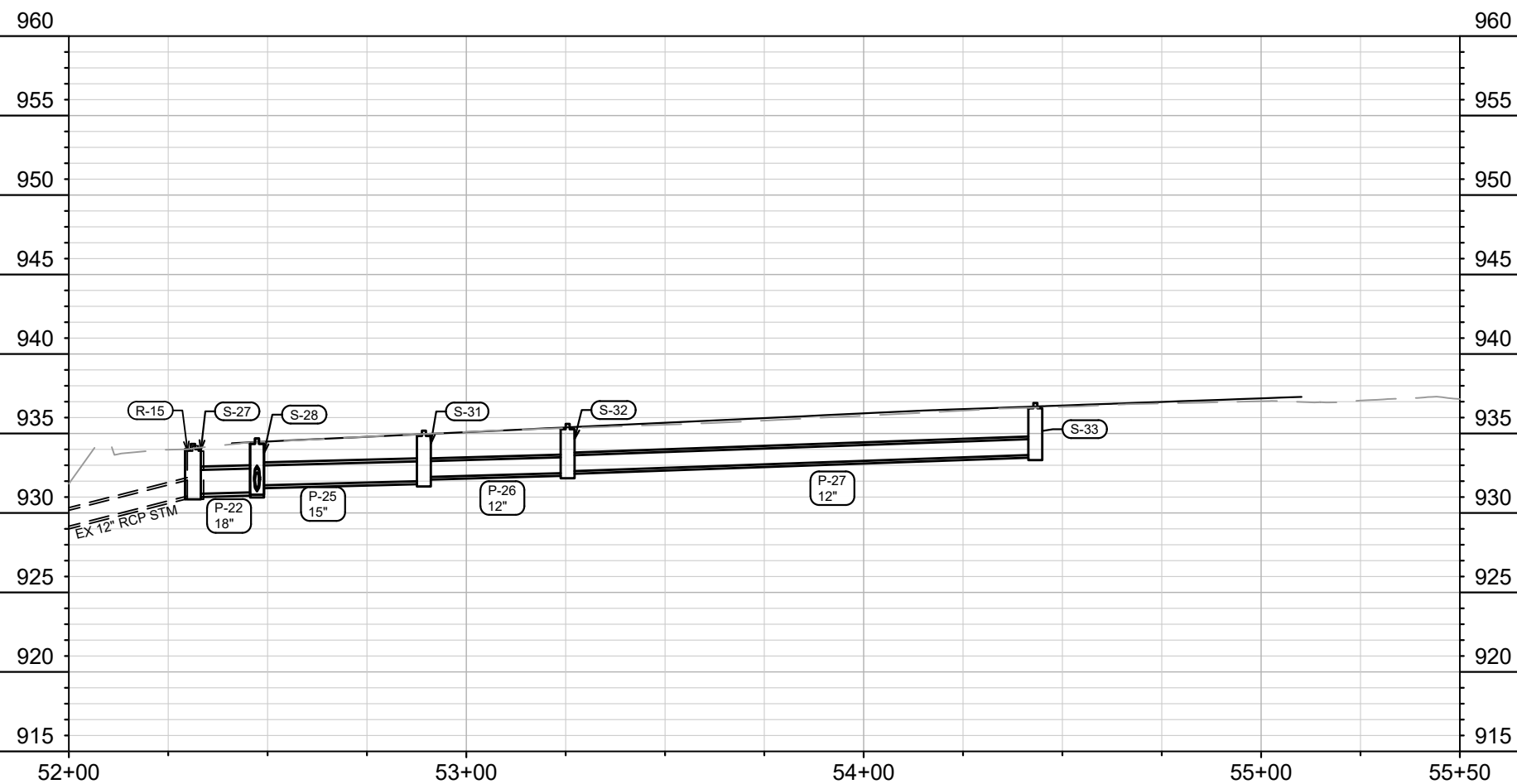
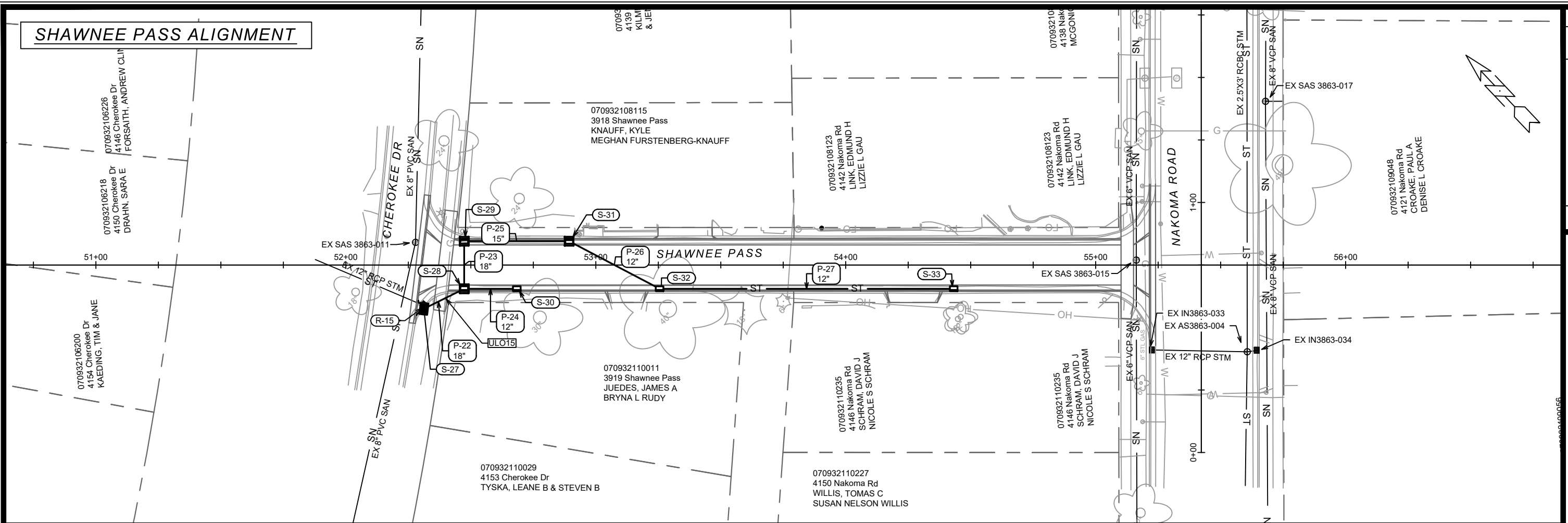
11822	
PORT	MADISON, WI
CONTRACT NO:	8783

NAKOMA ROAD PLAN
SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT
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11822
P-5

SHAWNEE PASS ALIGNMENT



SHAWNEE PASS SEWER PLAN & PROFILE

SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT MADISON, WI

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11822

MADISON, WI

CONTRACT NO: 8783

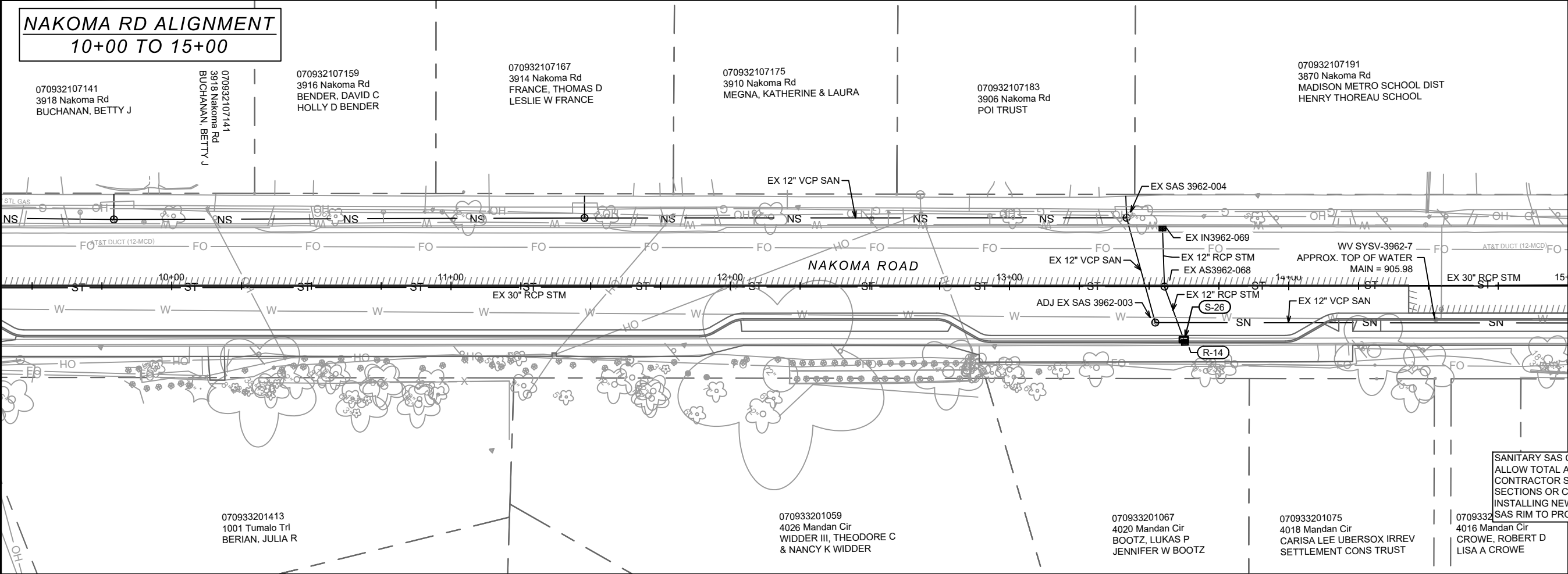
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11822

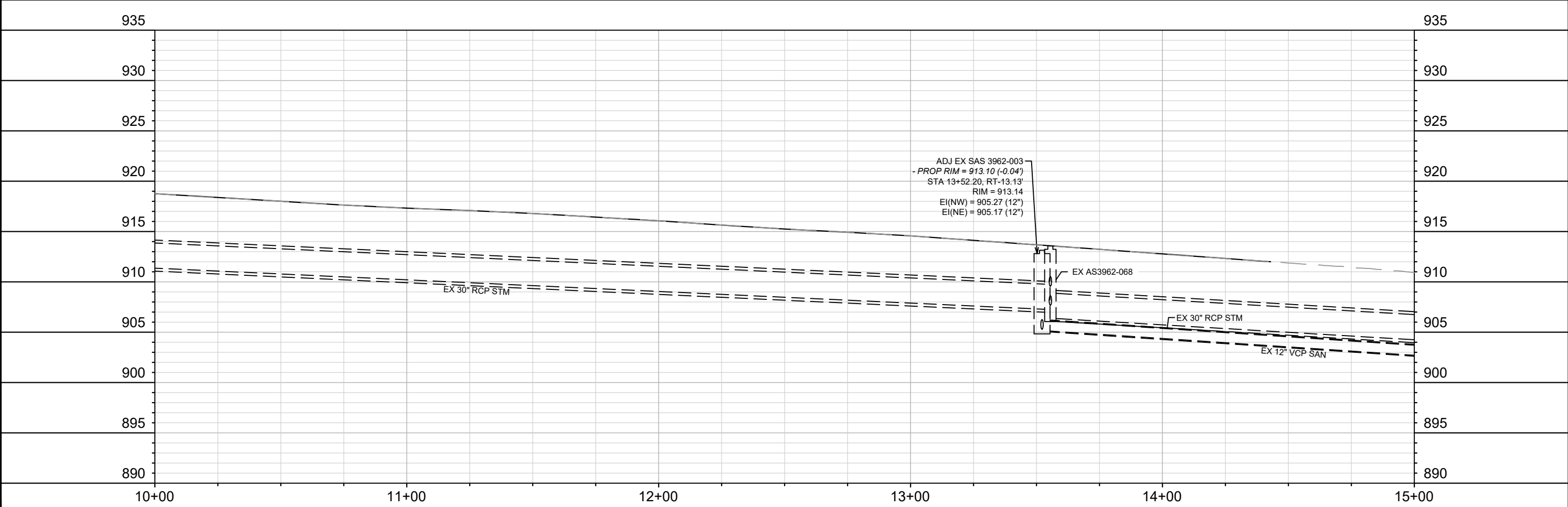
U-1

NAKOMA RD ALIGNMENT
10+00 TO 15+00



MATCH LINE 15+00.00

SANITARY SAS CASTING ADJUSTMENT MUST NOT ALLOW TOTAL ADJUSTMENT TO EXCEED 0.75'. CONTRACTOR SHALL INSTALL 1' BARREL SECTIONS OR CONSTRUCT 1' RISER BEFORE INSTALLING NEW ADJUSTMENT RINGS TO SET THE SAS RIM TO PROPOSED GRADES.



11822		MADISON, WI		8783	
NAKOMA RD SEWER PLAN & PROFILE		SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT		CONTRACT NO:	
11822		U-2		U-2	

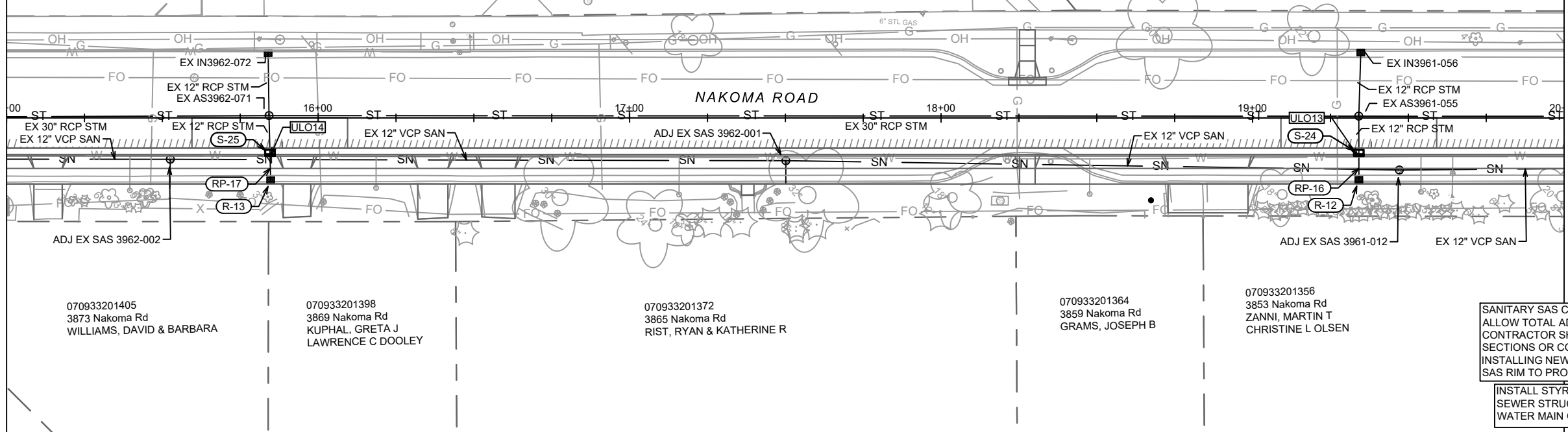
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CITY OF MADISON
WISCONSIN

NAKOMA RD ALIGNMENT
15+00 TO 20+00

MATCH LINE 15+00.00

MATCH LINE 20+00.00

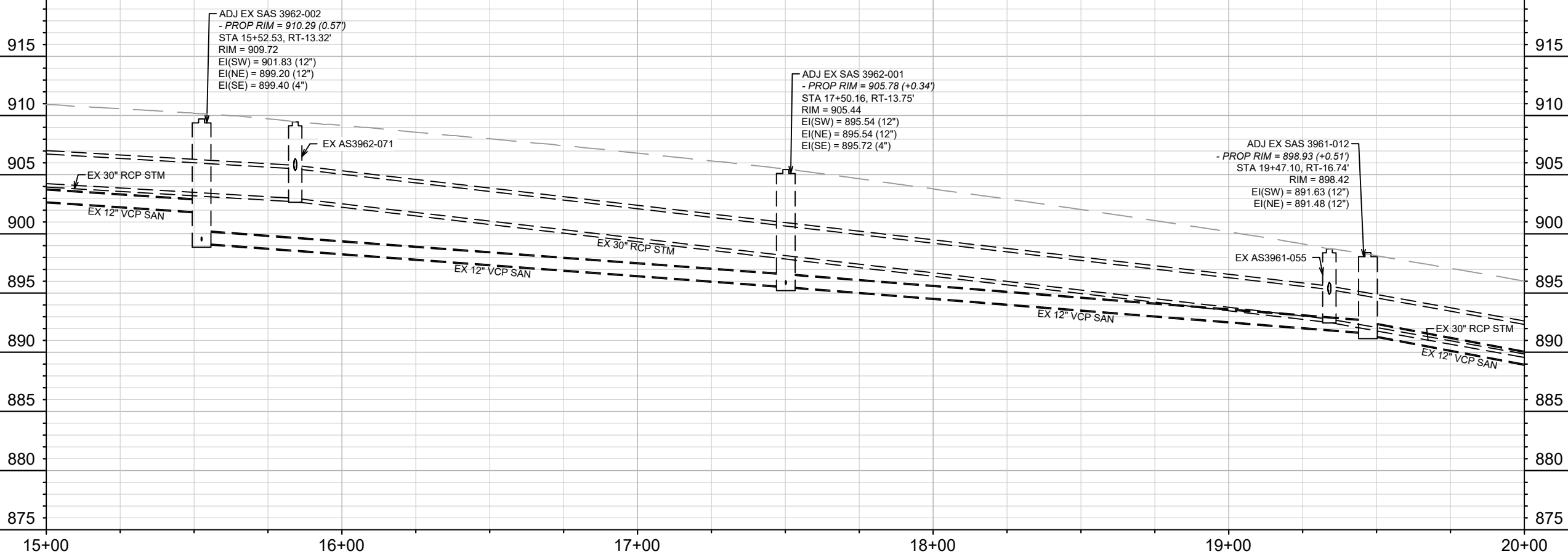


SANITARY SAS CASTING ADJUSTMENT MUST NOT ALLOW TOTAL ADJUSTMENT TO EXCEED 0.75'. CONTRACTOR SHALL INSTALL 1' BARREL SECTIONS OR CONSTRUCT 1' RISER BEFORE INSTALLING NEW ADJUSTMENT RINGS TO SET THE SAS RIM TO PROPOSED GRADES.

INSTALL STYROFOAM PER SDD 7.03 BELOW SEWER STRUCTURES INSTALLED ABOVE WATER MAIN OR LATERALS (TYP)

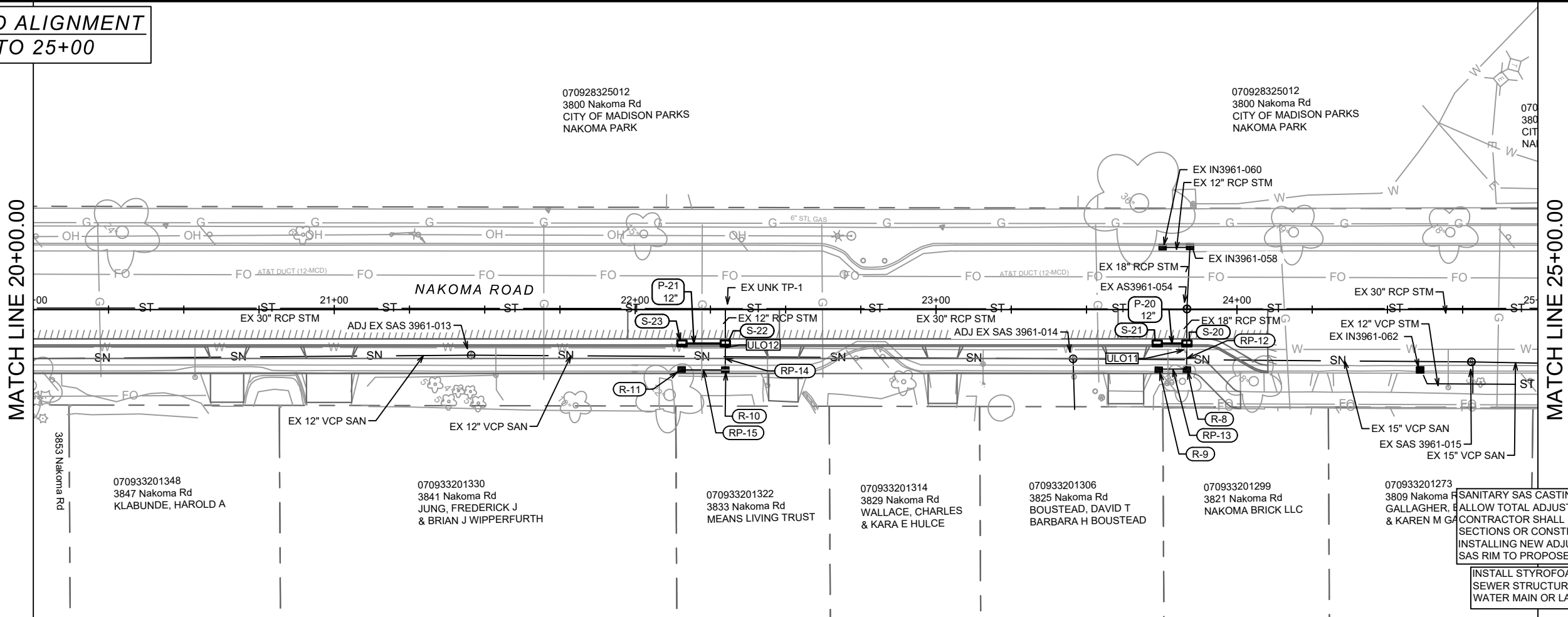
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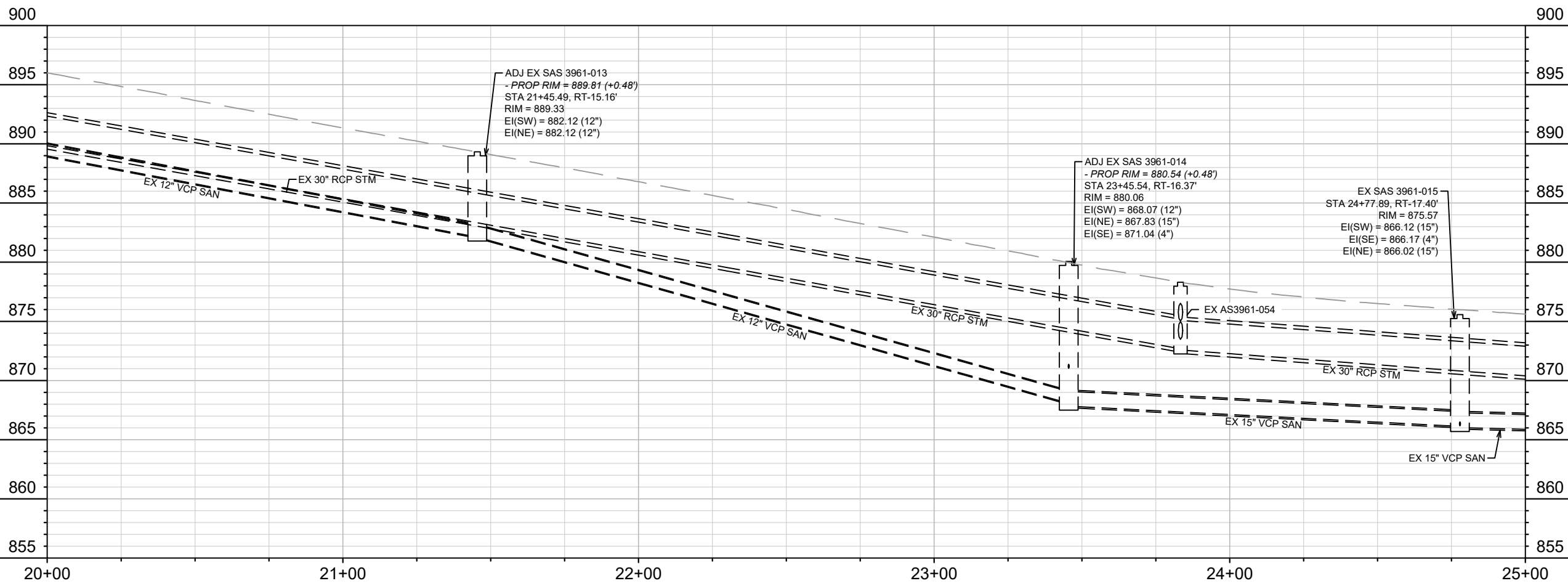
11822	MADISON, WI	8783	U-3
CONTRACT NO:			
NAKOMA RD SEWER PLAN & PROFILE			
SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT			
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11822			
U-3			

NAKOMA RD ALIGNMENT
20+00 TO 25+00

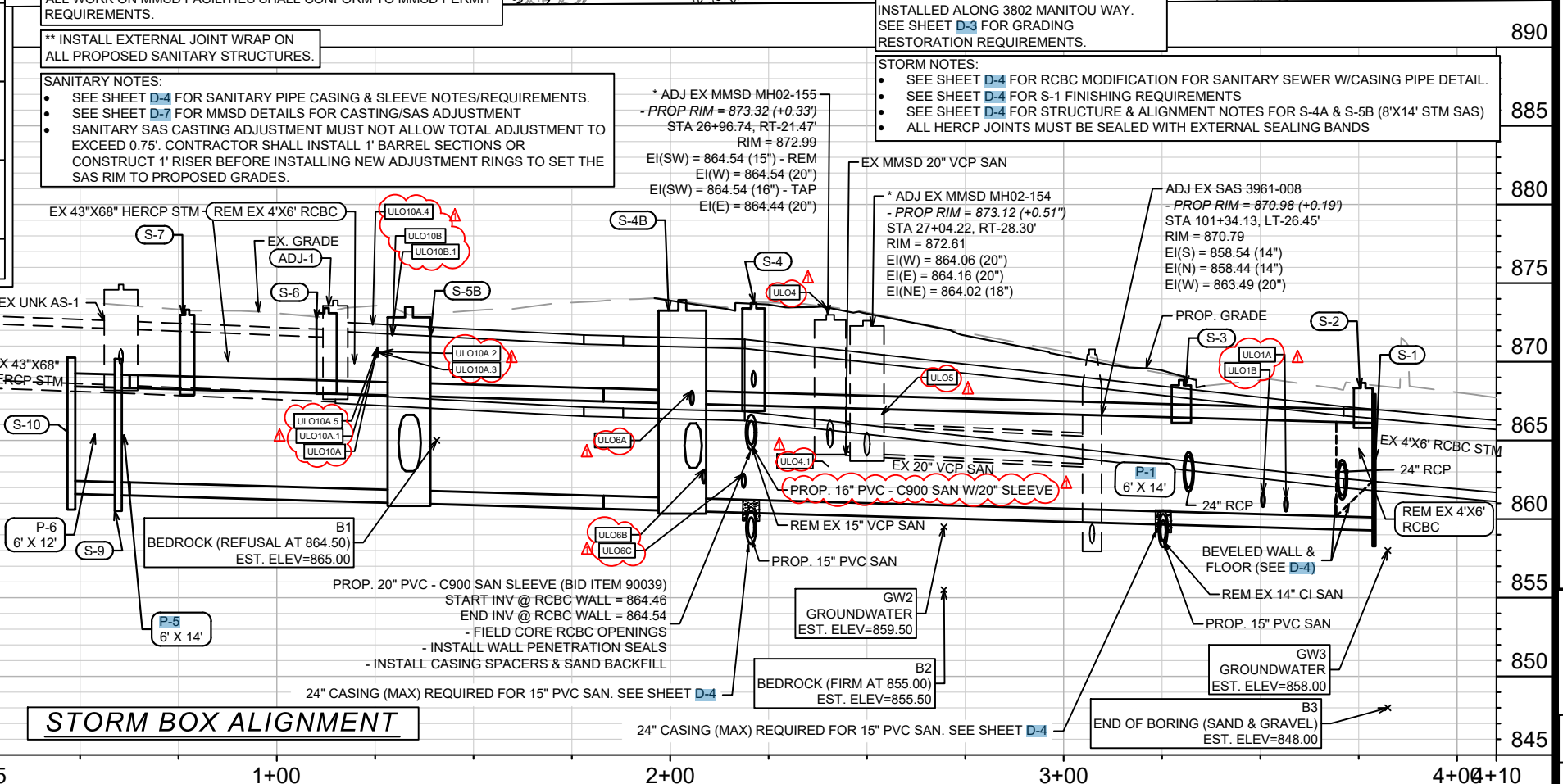
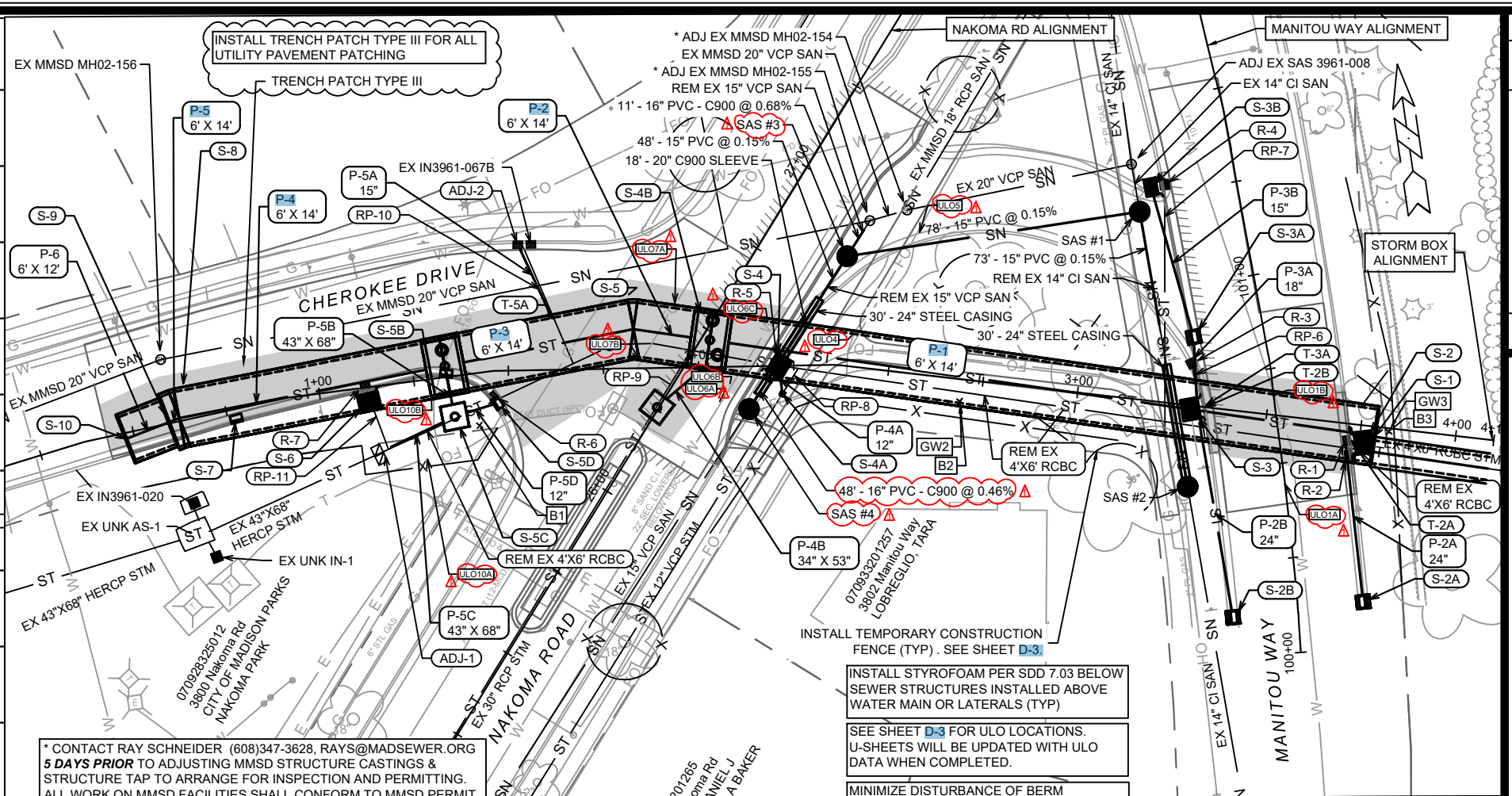


SANITARY SAS CASTING ADJUSTMENT MUST NOT ALLOW TOTAL ADJUSTMENT TO EXCEED 0.75'. CONTRACTOR SHALL INSTALL 1' BARREL SECTIONS OR CONSTRUCT 1' RISER BEFORE INSTALLING NEW ADJUSTMENT RINGS TO SET THE SAS RIM TO PROPOSED GRADES.

INSTALL STYROFOAM PER SDD 7.03 BELOW SEWER STRUCTURES INSTALLED ABOVE WATER MAIN OR LATERALS (TYP)



11822	MADISON, WI	8783	U-4
CONTRACT NO:			
NAKOMA RD SEWER PLAN & PROFILE			
SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT			
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CITY OF MADISON WISCONSIN			
11822			
U-4			



SANITARY SEWER SCHEDULE

* REVISION 1 - 7/11/2025 DAO

NAKOMA SIDEWALK PROJECT NO. 11822	SHEET NO. U-6
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

U-6

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
<u>MANITOU WAY</u>						
SAS #1	101+21.78	LT-26.41	870.61	858.56	12.05	5' DIA; [1]
SAS #2	100+47.06	LT-25.49	868.52	858.67	9.85	5' DIA; [1]
<u>NAKOMA RD (26+00 TO 27+00)</u>						
SAS #3	26+85.66	RT-21.26	873.39	858.73	14.66	5' DIA; [1][14]
SAS #4	26+37.92	RT-20.38	873.84	858.85	14.99	5' DIA; [1][2][14]

SANITARY STRUCTURE ADJUSTMENTS

STRUC ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	PROP TOC	EX ADJ	ADJ (FT)	TOP OF CHIMNEY	NOTES
MANITOU WAY								
SAS 3961-008	101+34.13	LT-26.45	870.79	870.98	0.78	0.19	869.30	[8]
NAKOMA RD (10+00 TO 25+00)								
SAS 3962-003	13+52.20	RT-13.13	913.14	913.10	0.23	-0.04	912.19	[10]
SAS 3962-002	15+52.53	RT-13.32	909.72	910.29	0.20	0.57		[13]
SAS 3962-001	17+50.16	RT-13.75	905.44	905.78	0.18	0.34	904.55	[12]
SAS 3961-012	19+47.10	RT-16.74	898.42	898.93	0.67	0.51	896.94	
SAS 3961-013	21+45.49	RT-15.16	889.33	889.81	0.85	0.48	887.62	[9]
SAS 3961-014	23+45.54	RT-16.37	880.06	880.54	0.30	0.48	878.95	[11]
NAKOMA RD (26+00 TO 27+00)								
MMSD MH02-155	26+96.74	RT-21.47	872.99	873.32	0.25	0.33		[4][5][6]
MMSD MH02-154	27+04.22	RT-28.30	872.61	873.12	0.50	0.51		[4][6]

SPECIFIC NOTES

- [1] INSTALL EXTERNAL JOINT WRAP
- [2] INSTALL OUTSIDE DROP, VF = 5.46'
- [3] INSTALL CASING PIPE, APPROX. 30' LONG, BELOW PROP RCBC STORM CROSSING; SEE SHEET D-4; SEE BID ITEM 90034
- [4] CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS
- [5] INSTALL WATERTIGHT PLUG, EX 15" (SW)
- [6] SEE SHEET D-7 FOR MMSD CASTING & CHIMNEY ADJUSTMENT REQUIREMENTS
- [7] VERIFY EX PIPE SIZE PRIOR TO SAS INSTALLATION. UPDATE AS-BUILT FOR MAPPING.
- [8] BRICK & MORTAR ADJUSTMENT/CHIMNEY, TOP OF ROOF IS 868.89
- [9] CONCRETE RINGS ON BRICK CHIMNEY, TOP OF ROOF = 886.84
- [10] MORTAR ON BRICK CHIMNEY, TOP OF ROOF = 911.9
- [11] CONCRETE RINGS ON BRICK CHIMNEY, TOP OF ROOF = 878.17
- [12] CONCRETE RINGS ON BRICK CHIMNEY, TOP OF ROOF = 904.17
- [13] MORTAR ON ROOF, TOP OF ROOF = 908.85
- [14] SAS HAS UPPER & LOWER MAIN CONNECTIONS. LOWER MAIN IS PRIMARY FLOW PATH. UPPER SHALL BE INSTALLED FOR EMERGENCY OPERATION/MAINTENANCE.
- [15] SLEEVE INSTALLATION SHALL BE PAID UNDER BID ITEM 90039. TAPS MUST BE MACHIINE CORED IN THE FIELD

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
MANITOU WAY								
SAS #1	SAS #2	858.56	858.67	73	0.15%	15"	SDR-26	[3]
NAKOMA RD (26+00 TO 27+00)								
MH02-155	SAS#3	864.54	864.62	11	0.68%	16"	C900	
SAS #1	SAS #3	858.61	858.73	78	0.15%	15"	SDR-26	
SAS #3	SAS #4	858.78	858.85	48	0.15%	15"	SDR-26	[3]
* SAS #3	SAS #4	864.67	864.89	48	0.46%	16"	C900	
STA 26+65.19, RT-20.89	STA 26+46.83, RT-20.54	864.50	864.62	18	0.68%	20"	C900	[15]

SANITARY PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM PAID (FT)	LGTH-ABN (FT)	LGTH	SLURRY CY	PIPE SIZE	PIPE TYPE	NOTES
MANITOU WAY										
SAS #1	SAS #2	73	N	0	0		0.00	15"	CI	[7]
NAKOMA RD (26+00 TO 27+00)										
MMSD MH02-155	SAS #4	59	N	0	0		0.00	15"	VCP	

STORM SEWER SCHEDULE

+ ADDENDUM 1 - 4/8/2025 DAO

NAKOMA SIDEWALK PROJECT NO. 11822	SHEET NO. U-7
STORM SEWER SCHEDULE	
MANITOU WAY STORM BOX REPLACEMENT	CITY OF MADISON

U-7

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
MANITOU WAY							
S-1	100+53.94	RT-24.98	6'X14' RCBC WALL	-	860.11	-	[1]
S-2	100+52.55	RT-21.82	MOD TERRACE INL TYPE 2	868.66	866.13	2.53	FP; [2][3]
T-2A	100+56.12	RT-17.19	24" BOX TAP	-	861.50	-	[10]
S-2A	100+12.03	RT-17.20	3'X3' STM SAS	867.57	862.82	4.75	W/R-3067-7004-V
T-2B	100+66.47	LT-20.38	24" BOX TAP	-	862.00	-	[10]
S-2B	100+10.53	LT-17.19	3'X3' STM SAS	867.54	862.79	4.75	W/R-3067-7004-V
S-3	100+66.89	LT-22.18	MOD TERRACE INL TYPE 2	868.83	866.45	2.38	FP; [2][4]
T-3A	100+66.47	LT-20.38	18" BOX TAP	-	863.95	-	[10]
S-3A	100+86.83	LT-18.41	3'X3' STM SAS	869.35	864.05	5.30	W/R-3067-7004-V
S-3B	101+27.17	LT-22.36	TERRACE INLET TYPE 3	870.44	865.44	5.00	LP; FP; [4]
NAKOMA RD (26+00 TO 27+00)							
S-4	26+51.74	RT-21.15	MOD TERRACE INL TYPE 2	873.72	867.20	6.52	FP; [2][4]
S-4A	26+45.97	RT-25.71	12" COLLAR	-	868.55	-	-
S-4B	26+48.16	RT-2.00	8'X14' STM SAS	873.92	861.34	12.58	FP; W/TWO R-1550; [7]
S-4C	26+25.66	LT-0.46	6'X6' CATCHBASIN	874.15	863.75	10.40	FP; W/TWO R-1550; [5]
S-5	26+39.90	LT-16.52	6'X14' RCBC BEND	-	861.34	-	[6]
STORM BOX ALIGNMENT (WEST OF NAKOMA RD)							
T-5A	1+62.48	LT-11.92	15" BOX TAP	-	866.13	-	[10]
S-5B	1+33.58	LT-2.91	8'X14' STM SAS	873.50	861.83	11.67	FP; W/R-1550 & R-3076-7004; [7]
S-5C	1+34.44	RT-10.62	6'X6' CATCHBASIN	874.44	863.28	11.16	FP; W/TWO R-1550; [5]
S-5D	1+46.94	RT-8.47	H INLET	873.50	870.00	3.50	LP; W/R-3067-7004-VB
S-6	1+12.65	RT-3.77	MOD TERRACE INL TYPE 2	873.42	868.30	5.12	LP;FP; [2][4]
S-7	0+77.22	RT-2.52	SADDLED INLET TYPE 2	873.65	868.23	5.42	FP; W/R-3067-7004-V
S-8	0+62.59	LT-0.80	6'X14' RCBC BEND	-	861.48	-	[6]
S-9	0+59.70	LT-0.31	6'X14'TO 6'X12' TRANSITION	-	861.83	-	[6]
S-10	0+47.78	RT-1.55	6'X12' RCBC WALL	-	862.33	-	[6]

SPECIFIC NOTES:

- [1] CONNECT PROP 6'X14' RCBC TO EX 4'X6' RCBC WITH FIELD-POURED REINFORCED WALL; INSTALL BEVELED WALL & FLOOR, SEE SHEET D-4; SEE BID ITEM 90033
- + [2] MODIFIED SADDLED STRUCTURE; CONSTRUCT PER SDD 5.7.9A (TYPE B) W/ #4 DOWELS CONNECTING TO RCBC ROOF; EI = RCBC CROWN; OPENINGS FOR 2'X3' SHALL BE 1.5'X1.5', FOR TERRACE INLETS SHALL BE 3'X4'
- [3] SET GRATE TO MATCH TOP OF CURB ELEVATION. INSTALL HAND-FORMED 6" W X 6" H CURB HEAD AT GRADE, AROUND GRATE, & MATCH INTO PAVEMENT CURB
- [4] SET GRATE 0.2' BELOW TOP OF CURB; TOC ELEVATION SHOWN IN SCHEDULE TABLE
- [5] INSTALL 3' SUMP; RECONNECT EX 30" RCP (SW) = 868.05 (NCM)
- + [6] RCBC WALLS, TRANSITION SECTIONS, & PRECAST BEND SHALL BE PAID AS STORM PIPE INSTALLATION; SEE BID ITEMS 50501 & 50502
- [7] CONSTRUCT 8'X14' STM SAS BASE, WALLS, ROOF, & ROOF OPENINGS PER SDD 5.7.39A & 5.7.39B, SEE SHEET D-4 FOR STM SAS NOTES; SEE BID ITEM 90035
- [8] TWO SANITARY MAIN CROSSINGS BELOW BOX CULVERT BASE; SEE SHEET D-4; SEE BID ITEM 90034
- [9] EXTERNAL SEALING BANDS REQUIRED FOR ALL PIPE JOINTS
- [10] STORM FIELD TAP MUST BE MACHINE CORED IN THE FIELD, AND INCLUDE WATERTIGHT CORE & SEAL BOOT
- + [13] RCBC PAY LENGTH SHALL NOT INCLUDE LENGTH THROUGH STM SAS

STANDARD NOTES:

- PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATE

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
STORM BOX ALIGNMENT										
+ P-1	S-1	S-4B	860.11	861.34	177	172	0.71%	6'X14'	RCBC	[8][13]
+ P-2	S-4B	S-5	861.34	861.48	20	16	0.86%	6'X14'	RCBC	[13]
+ P-3	S-5	S-5B	861.48	861.83	51	47	0.75%	6'X14'	RCBC	-
+ P-4	S-5A	S-8	861.83	862.33	71	67	0.74%	6'X14'	RCBC	-
P-5	S-8	S-9	862.33	862.35	3	3	0.73%	6'X14'	RCBC	-
P-6	S-9	S-10	862.35	862.43	12	12	0.69%	6'X12'	RCBC	-
MANITOU WAY										
P-2A	T-2A	S-2A	861.50	862.82	45	41	3.26%	24"	TYPE 2	[13]
P-2B	T-2B	S-2B	862.00	862.79	55	51	1.56%	24"	TYPE 2	[13]
P-3A	T-3A	S-3A	863.95	864.05	19	15	0.68%	18"	TYPE 2	-
P-3B	S-3A	S-3B	864.30	865.44	41	39	2.96%	15"	TYPE 2	-
NAKOMA RD (26+00 TO 27+00)										
P-4A	S-4	S-4A	868.40	868.55	7	4	3.64%	12"	TYPE 2	-
P-4B	S-4B	S-4C	863.25	863.75	22	15	3.36%	34"X53"	HERCP	[9]
P-5A	T-5A	ADJ-1	866.13	869.31	23	21	15.48%	15"	RCP	-
P-5B	S-5B	S-5C	863.04	863.28	11	5	5.08%	43"X68"	HERCP	[9]
P-5C	S-5C	ADJ-2	867.28	867.95	22	19	3.49%	43"X68"	HERCP	NCM; [9]
P-5D	S-5C	S-5D	869.87	870.00	12	8	1.69%	12"	TYPE 2	NCM

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS 3 UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

NAKOMA SIDEWALK PROJECT NO. 11822	SHEET NO. U-8
STORM SEWER SCHEDULE	
NAKOMA RD SW & SHAWNEE PASS	CITY OF MADISON

U-8

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
NAKOMA RD (10+00 TO 25+00)							
S-20	23+83.36	RT-11.23	H INLET	878.72	874.16	4.56	W/R-3067-7004-V; [11]
S-21	23+73.48	RT-11.23	H INLET	879.16	875.16	4.00	W/R-3067-7004-V
S-22	22+29.96	RT-11.23	H INLET	885.87	881.76	4.11	W/R-3067-7004-V; [11]
S-23	22+15.55	RT-11.23	H INLET	886.54	883.29	3.25	W/R-3067-7004-V
S-24	19+34.08	RT-11.23	H INLET	899.39	895.26	4.13	W/R-3067-7004-V; [11]
S-25	15+84.53	RT-11.23	H INLET	909.71	905.72	3.99	W/R-3067-7004-V; [11]
S-26	13+62.43	RT-19.22	H INLET	913.10	909.96	3.14	W/R-3067-7004-V; [11]
SHAWNEE PASS (52+00 TO 55+50)							
S-27	52+31.24	RT-17.49	TERRACE INLET TYPE 3	934.34	931.19	3.15	FP; [11][12]
S-28	52+47.36	RT-9.50	3'X3' STM SAS	934.68	931.31	3.37	LP; FP; W/R-3067-7004-VB
S-29	52+47.36	LT-9.50	3'X3' STM SAS	934.68	931.48	3.20	LP; FP; W/R-3067-7004-VB
S-30	52+68.40	RT-9.50	H INLET	934.93	931.67	3.26	FP; W/R-3067-7004-V
S-31	52+89.34	LT-9.50	3'X3' STM SAS	935.17	932.00	3.17	FP; W/R-3067-7004-V
S-32	53+25.50	RT-9.50	H INLET	935.60	932.52	3.08	W/R-3067-7004-V
S-33	54+43.18	RT-9.50	H INLET	936.91	933.66	3.25	W/R-3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
NAKOMA RD (10+00 TO 25+00)										
P-20	S-20	S-21	874.66	875.16	10	7	7.18%	12"	TYPE 2	-
P-21	S-22	S-23	881.82	883.29	14	12	12.63%	12"	TYPE 2	-
SHAWNEE PASS (52+00 TO 55+50)										
P-22	S-27	S-28	931.19	931.31	18	14	0.83%	18"	TYPE 2	-
P-23	S-28	S-29	931.36	931.48	19	17	0.73%	18"	RCP	-
P-24	S-28	S-30	931.56	931.67	21	18	0.61%	12"	TYPE 2	NCM
P-25	S-29	S-31	931.73	932.00	42	39	0.69%	15"	TYPE 2	-
P-26	S-31	S-32	932.25	932.52	41	37	0.72%	12"	RCP	-
P-27	S-32	S-33	932.62	933.66	118	115	0.91%	12"	TYPE 2	-

SPECIFIC NOTES:

[11] CONNECT TO EX 12" RCP (NW)
[12] SET GRATE 0.2' BELOW TOP OF CURB; TOC ELEVATION SHOWN IN SCHEDULE TABLE

STANDARD NOTES:

- PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATEE
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS 3 UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

* REVISION 1 - 7/11/2025 DAO

NAKOMA SIDEWALK PROJECT NO. 11822	SHEET NO. U-9
STORM SEWER SCHEDULE	
CITY OF MADISON	

U-9

STORM STRUCTURE ADJUSTMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	EX TOC	PROP TOC	ADJ (FT)	NOTES
STORM BOX ALIGNMENT							
ADJ-1	UNK IN-2	1+14.87	RT-16.99				[1]
ADJ-2	IN3961-067	1+53.24	LT-32.77				[2]

STORM STRUCTURE REMOVALS & ABANDONMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	DEPTH (FT)	NOTES
MANITOU WAY						
R-1	IN4061-005	100+53.60	RT-17.42	SADDLED INLET	-	[3]
R-2	IN4061-005	100+49.83	RT-17.38	SADDLED INLET	-	[3]
R-3	IN3961-073	100+80.29	LT-19.37	INLET	2.77	
R-4	IN3961-072	101+27.27	LT-18.52	INLET	3.45	
NAKOMA RD (26+00 TO 27+00)						
R-5	IN3961-066	26+52.67	RT-20.11	SADDLED INLET	-	[3]
R-6	IN3961-005	26+05.82	LT-38.61	SADDLED INLET	-	[3]
STORM BOX ALIGNMENT						
R-7	IN3961-027	1+11.57	LT-0.56	INLET	3.90	-
NAKOMA RD (10+00 TO 25+00)						
R-8	IN3961-059	23+83.36	RT-19.72	INLET	3.84	-
R-9	IN3961-061	23+74.07	RT-20.10	INLET	3.56	-
R-10	UNK IN-3	22+29.96	RT-20.07	INLET	3.00	-
R-11	UNK IN-4	22+15.43	RT-20.06	INLET	2.80	-
R-12	IN3961-057	19+34.12	RT-20.90	INLET	3.82	-
R-13	IN3962-073	15+84.78	RT-21.04	INLET	3.40	-
R-14	IN3962-070	13+62.81	RT-21.22	INLET	2.91	-
SHAWNEE PASS						
R-15	IN3863-058	52+31.86	RT-16.50	INLET	3.04	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
* ULO10A	25+82.75	LT-45.03	4" FO	TOP = 870.93
- ULO10A.1			4" FO	TOP = 870.93
- ULO10A.2			4" FO	TOP = 870.62
- ULO10A.3			4" FO	TOP = 870.60
- ULO10A.4			1.5" WIRE	TOP = 872.35
- ULO10A.5			4" FO	TOP = 870.89
* ULO10B	25+97.04	LT-52.11	2" FO	TOP = 871.66
- ULOB.1			2" FO	TOP = 871.71

SPECIFIC NOTES

- [1] SAWCUT & REMOVE RCBC LEAVING SUFFICIENT SIDEWALL LENGTH. LEAVE CASTING IN PLACE. FIELD POUR NEW WALL WITH HERCP IN PLACE; SEE BID ITEM 90036
- [2] REMOVE EX 12", TAP FOR PROP 15" STM.
- [3] INCIDENTAL TO PIPE REMOVAL
- [4] PAID UNDER BID ITEM 90038

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
STORM BOX ALIGNMENT										
REM 4'X6' RCBC	S-1	ADJ-1	268	Y	268	0	0	4'X6'	RCBC	[4]

MANITOU WAY

RP-6	S-3	R-3	15	N	0	0	0	12"	VCP
RP-7	S-3	R-4	60	Y	24	0	0	12"	RCP

NAKOMA RD (26+00 TO 27+00)

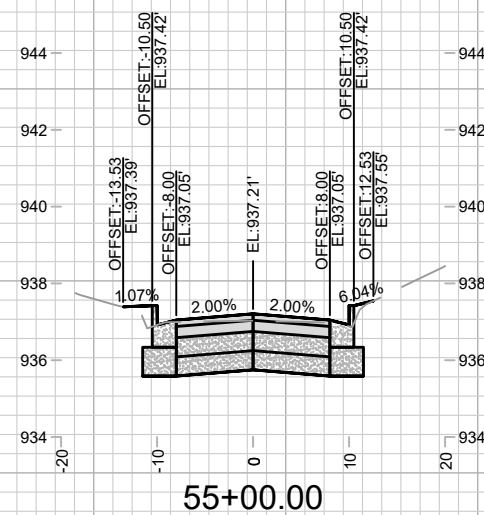
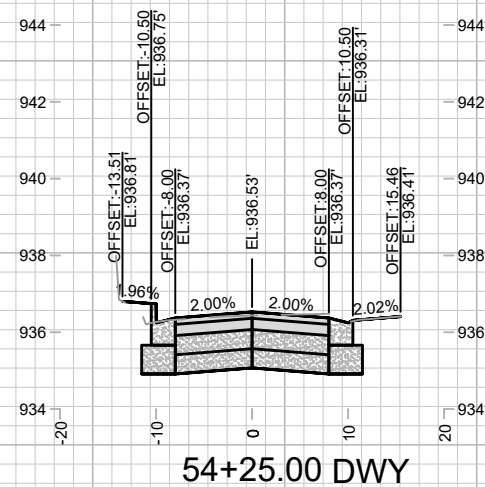
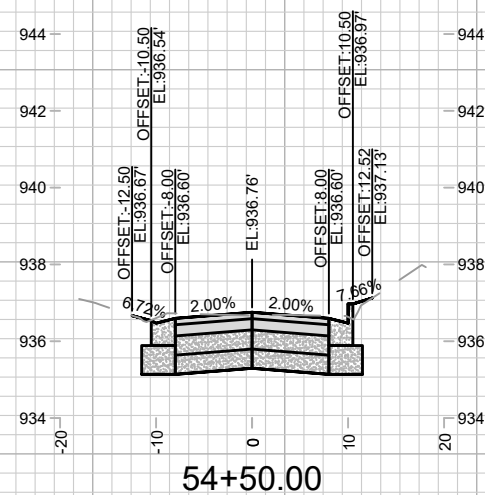
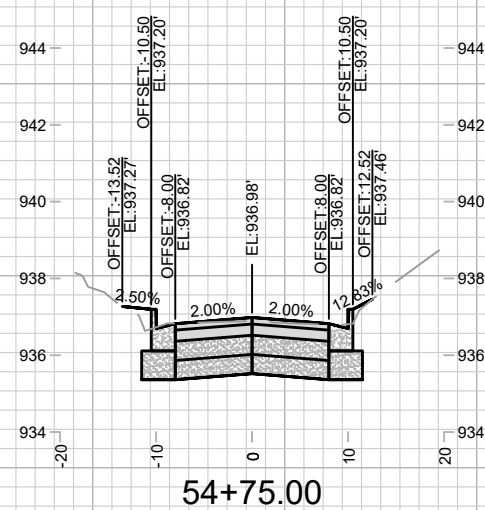
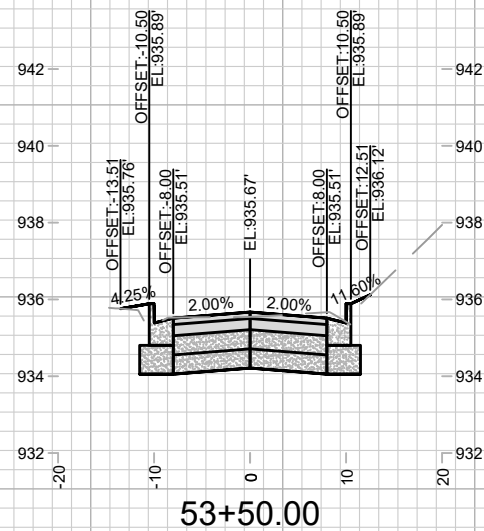
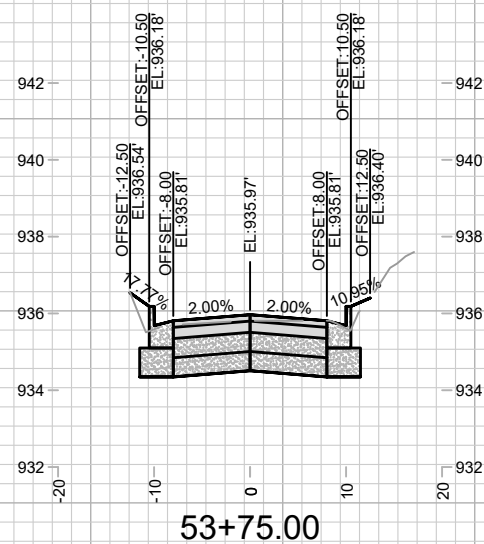
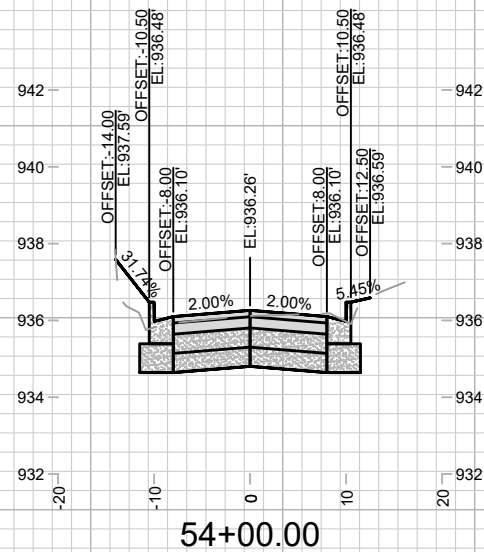
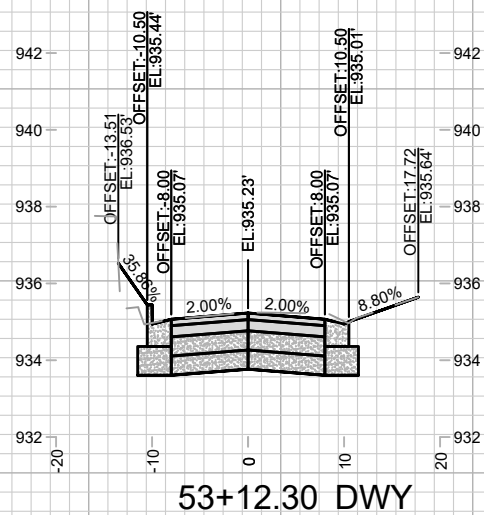
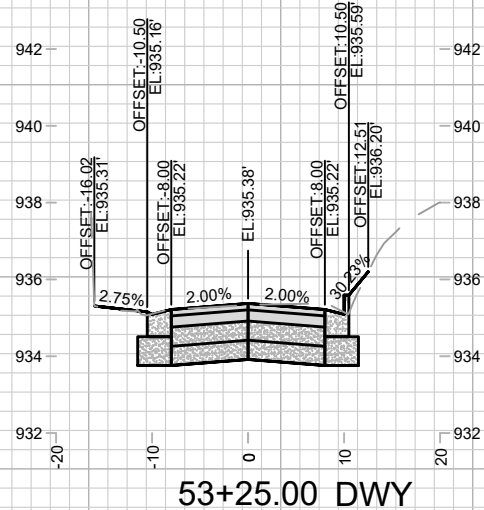
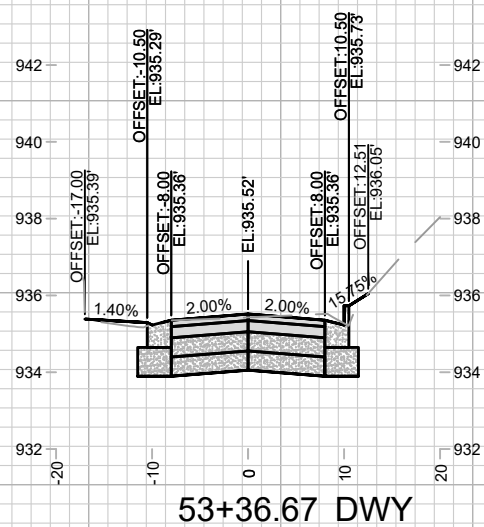
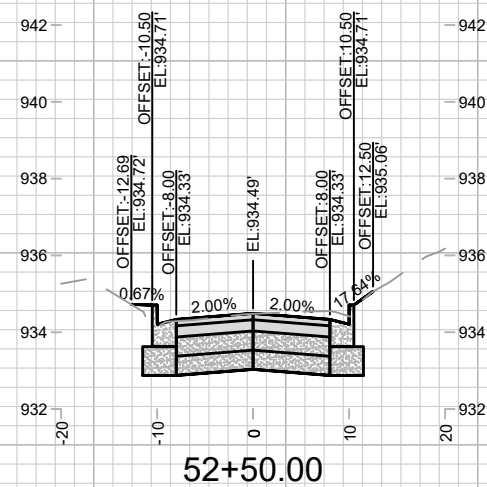
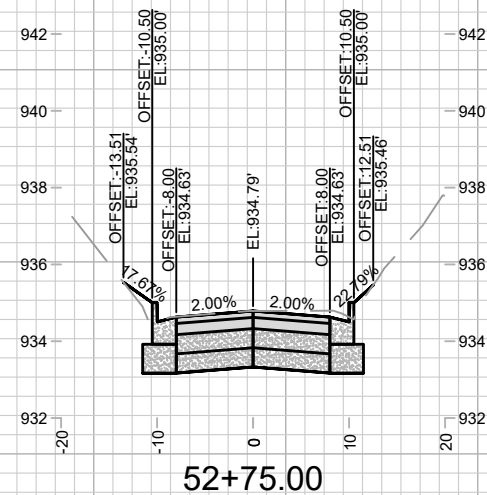
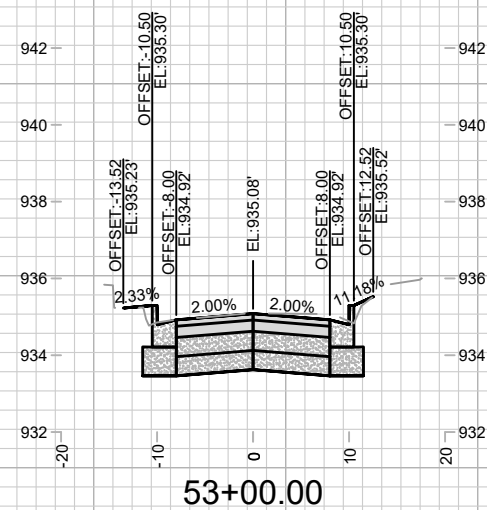
RP-8	S-4A	S-4B	8	N	0	0	0	12"	VCP
RP-9	T-4C	S-4C	15	N	0	0	0	30"	RCP
RP-10	T-5A	ADJ-2	34	N	0	0	0	12"	RCP
RP-11	ADJ-1	R-7	18	N	0	0	0	12"	RCP

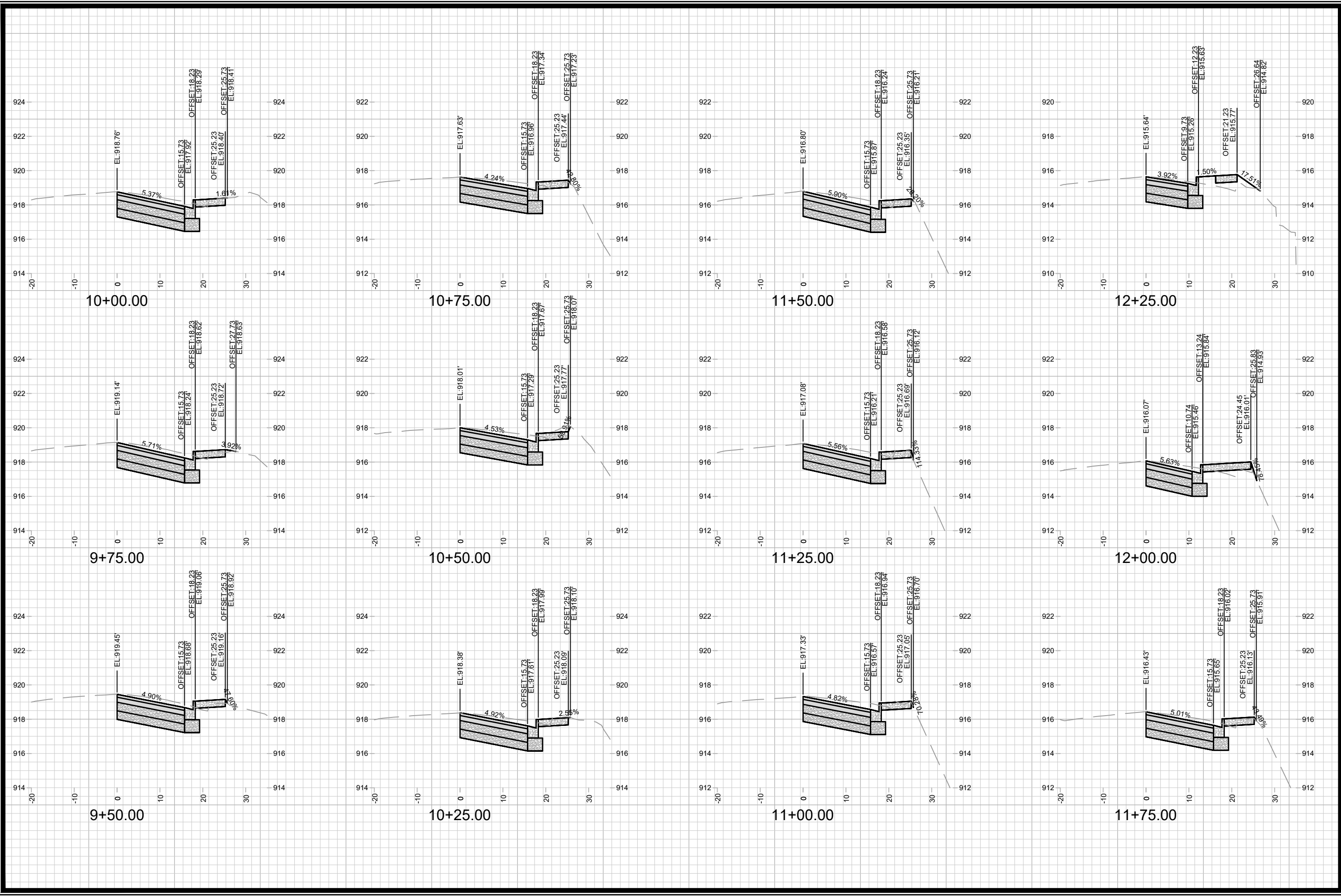
NAKOMA RD (10+00 TO 25+00)

RP-12	S-20	R-8	9	Y	9	0	0	18"	RCP
RP-13	R-8	R-9	9	N	0	0	0	12"	RCP
RP-14	S-22	R-10	10	Y	10	0	0	12"	RCP
RP-15	R-10	R-11	15	Y	5	0	0	12"	RCP
RP-16	S-24	R-12	10	Y	10	0	0	12"	RCP
RP-17	S-25	R-13	10	Y	10	0	0	12"	RCP

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
MANITOU WAY				
* ULO1A	100+67.77	LT-0.63	10" WAT	TOP = 861.65
ULO1B	100+44.88	LT-0.30	10" WAT	TOP = 861.36
ULO2	100+69.23	LT-31.78	GAS MAIN	
ULO3	100+69.98	LT-34.67	FO	
NAKOMA RD (26+00 TO 27+00)				
* ULO4	26+68.93	RT-33.53	2" FO & 1" C	TOP FO = 873.36, TOP CONDUIT (UNK)= 863.34
* ULO5	27+00.51	RT-34.15	2" FO	TOP = 866.65
* ULO6A	26+35.21	RT-13.13	10" WM BEND	TOP = 868.14
* ULO6B	26+40.97	RT-13.10	10" WM BEND	TOP = 863.14
* ULO6C	26+60.26	RT-12.74	10" WAT	TOP = 862.87
* ULO7A	26+51.11	LT-10.53	FO	
* ULO7B	26+33.86	LT-10.34	FO	
ULO8	26+29.63	LT-27.65	GAS MAIN	
ULO9	26+05.37	LT-53.93	FO	
NAKOMA RD (10+00 TO 25+00)				
ULO11	23+82.75	RT-13.28	8" WAT MAIN	
ULO12	22+29.49	RT-12.80	8" WAT MAIN	
ULO13	19+34.10	RT-12.57	8" WAT MAIN	
ULO14	15+84.57	RT-12.33	8" WAT MAIN	
SHAWNEE PASS				
ULO15	52+39.81	RT-13.24	GAS MAIN	





11822

NAKOMA ROAD CROSS SECTIONS

SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT

MADISON, WI



11822

X-2

11822

8783

CONTRACT NO:

MARK

REVISION

DATE

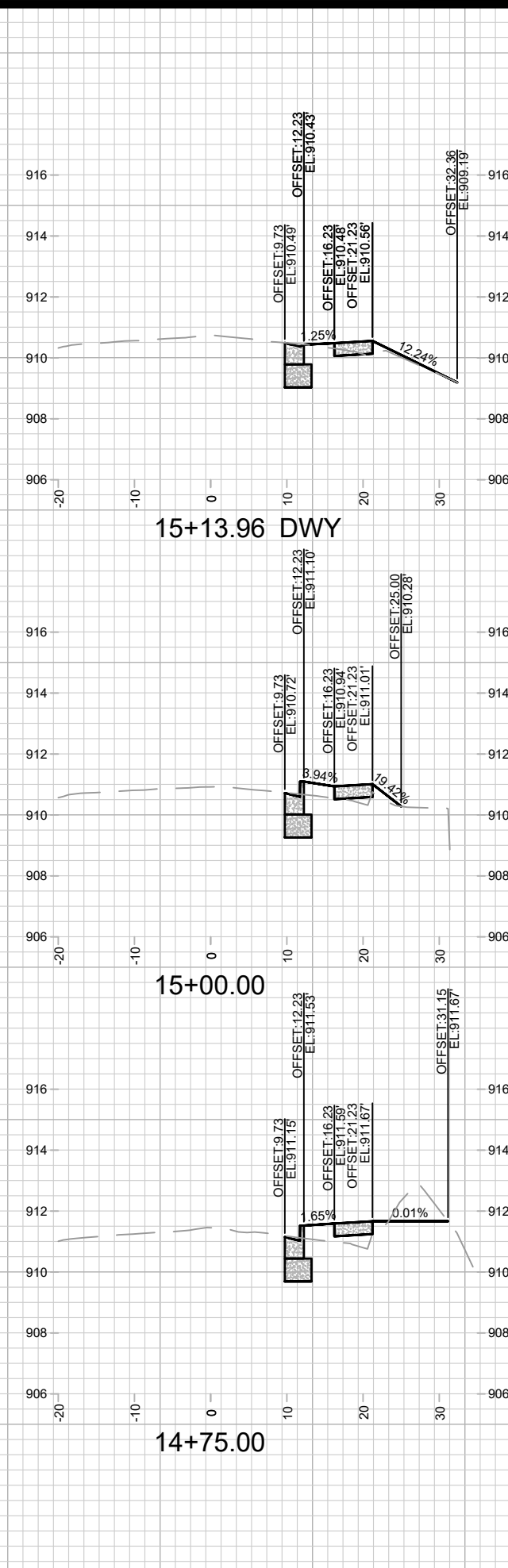
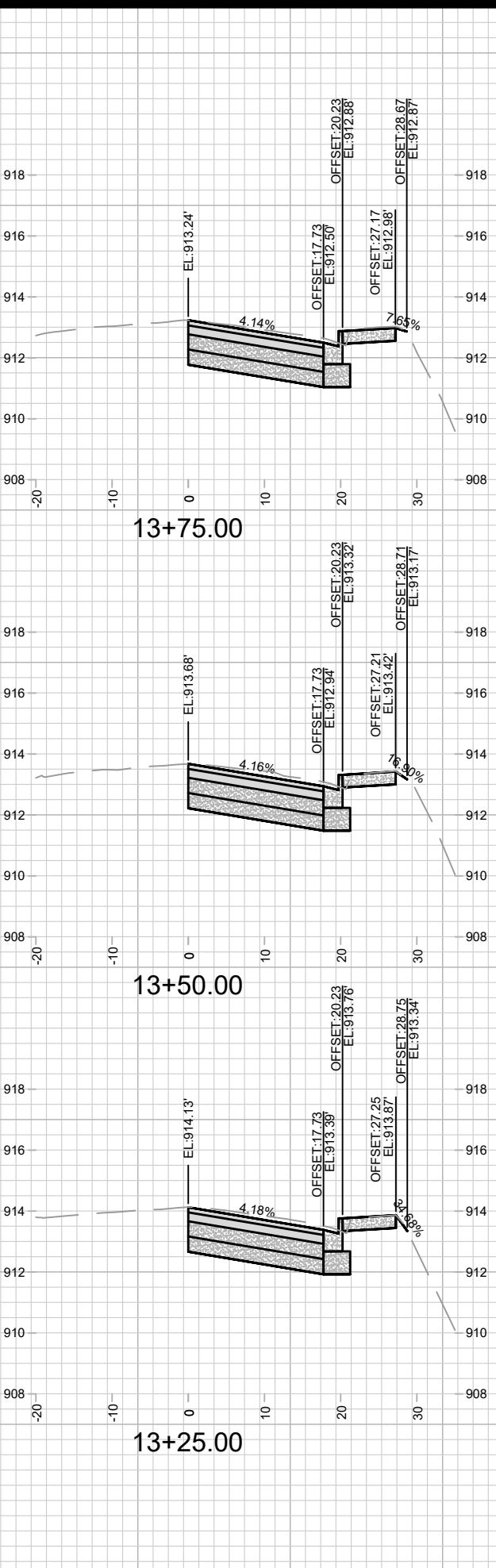
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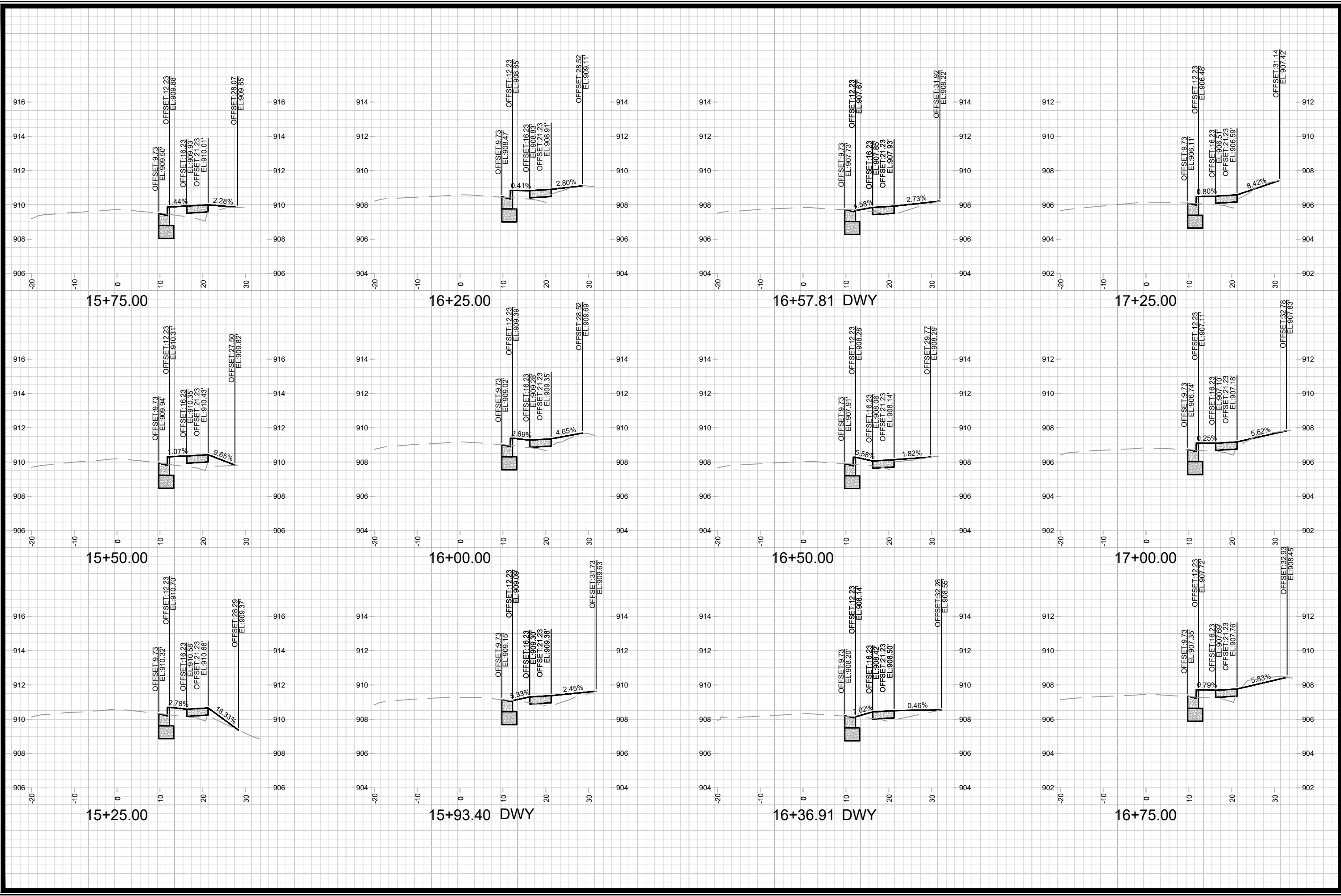
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X-2







11822

X-4

NAKOMA ROAD CROSS SECTIONS

SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT

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11822

MADISON, WI

CONTRACT NO: 8783

MARK

REVISION

DATE

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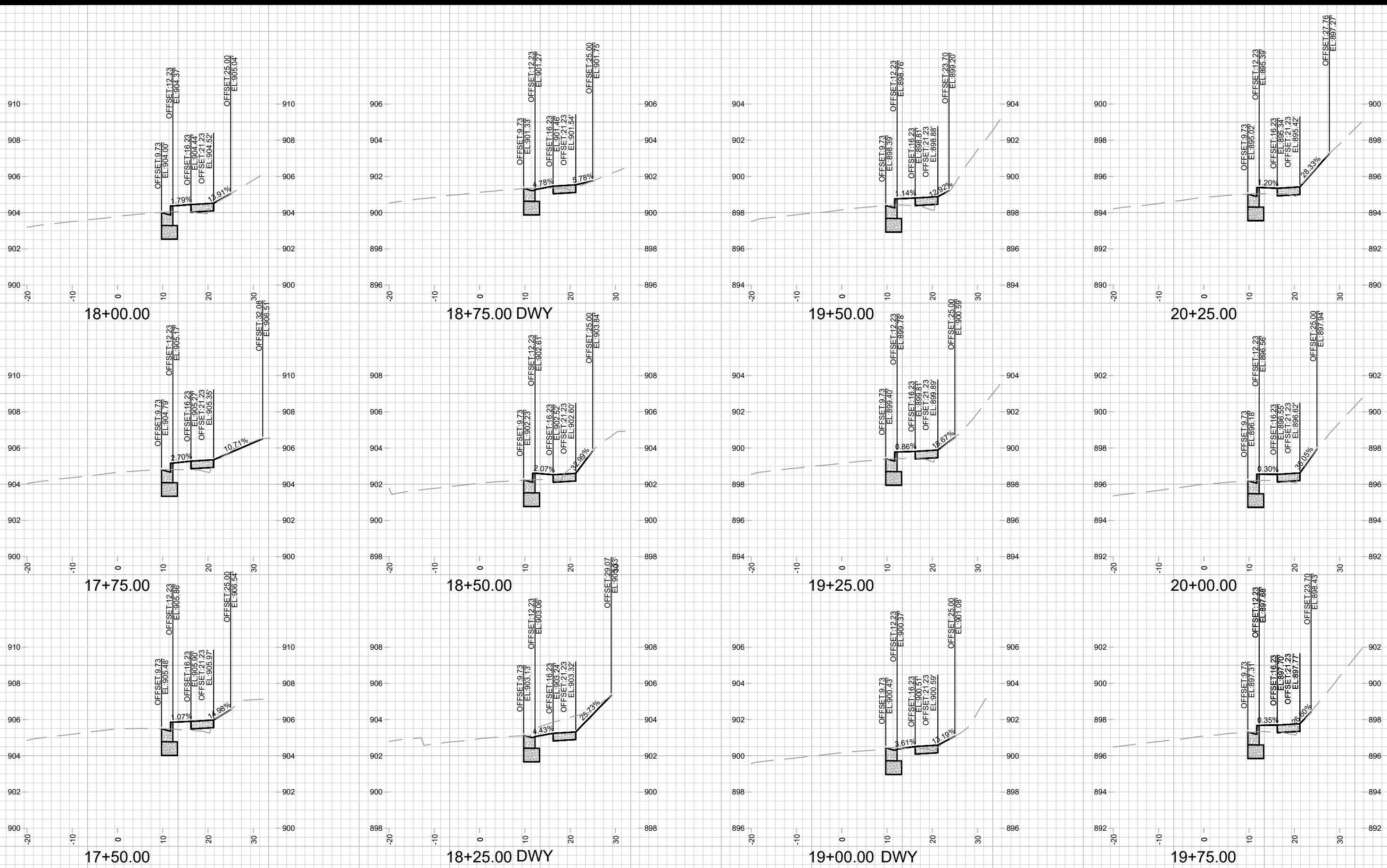
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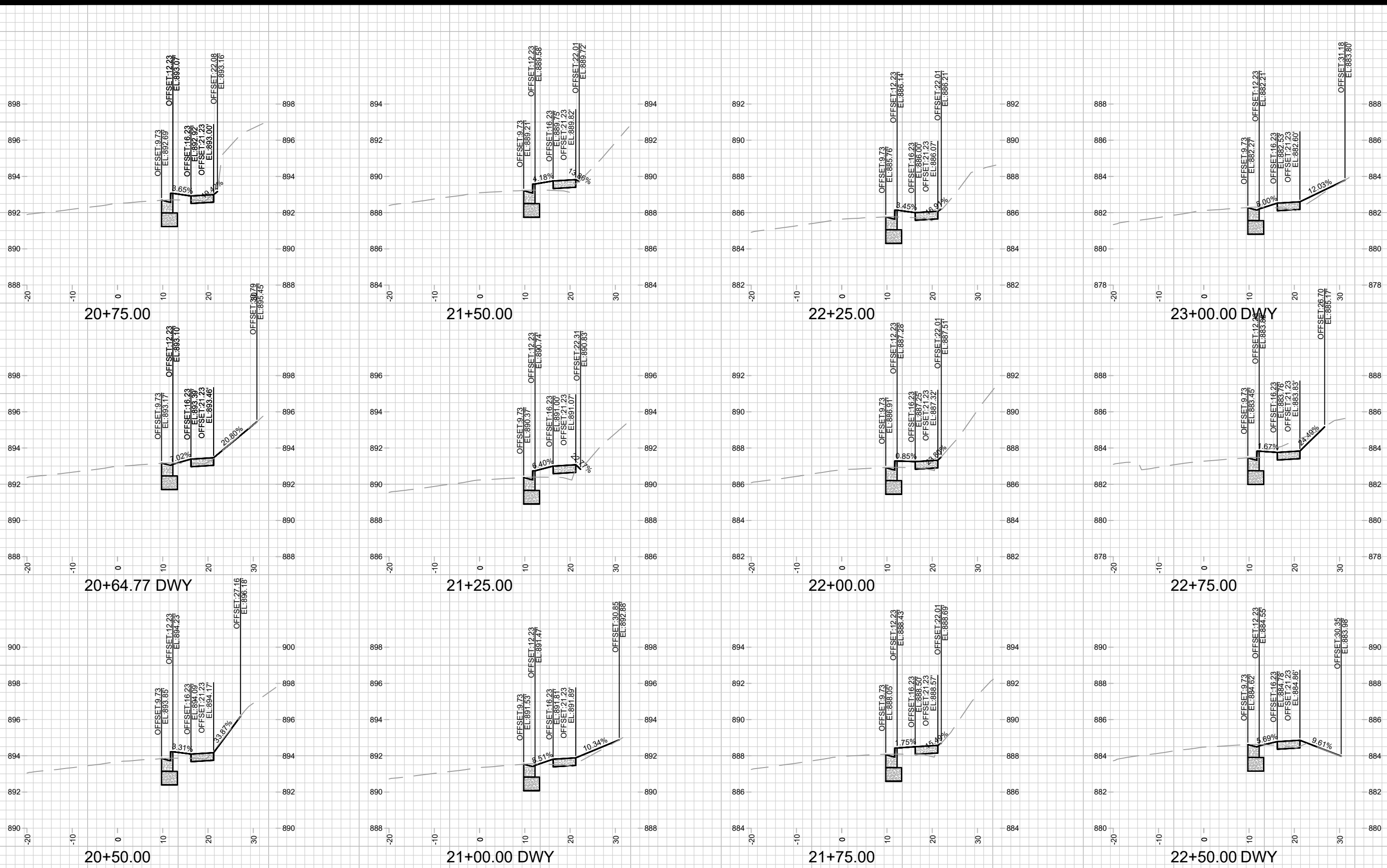
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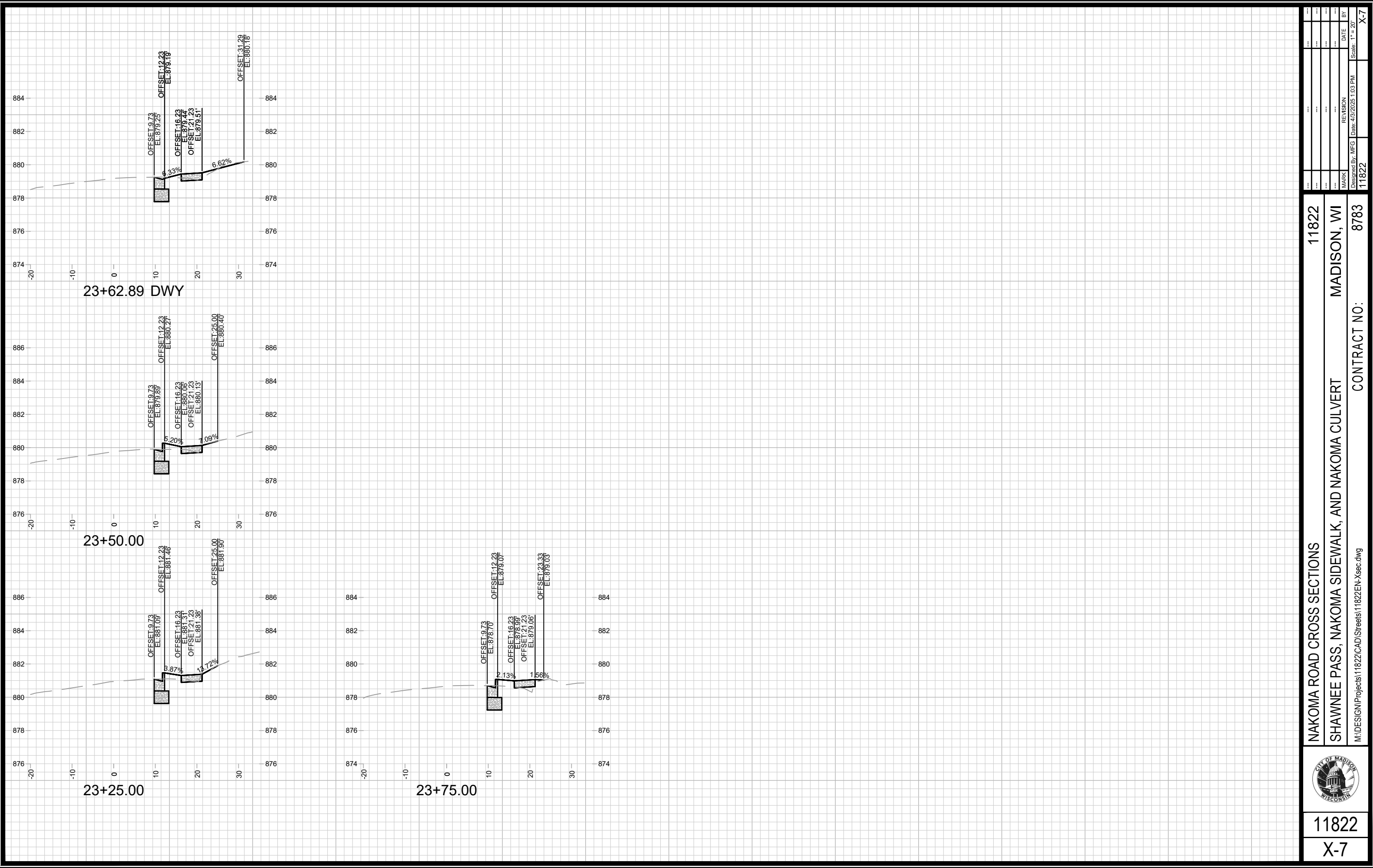
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X-4







	11822		X-7	
	NAKOMA ROAD CROSS SECTIONS			
	SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT			
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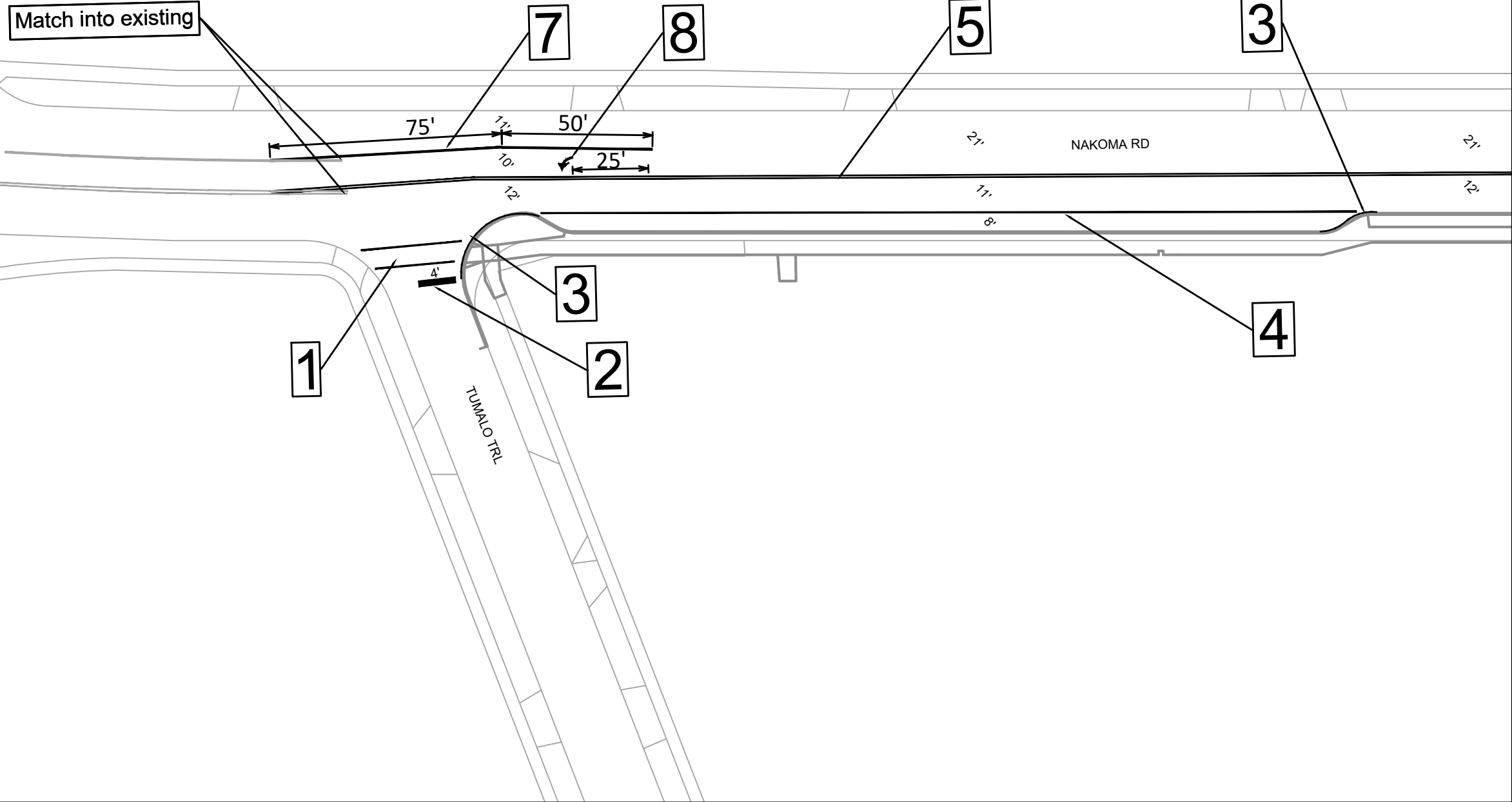
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PAVEMENT MARKINGS	
1	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH
2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
3	PAVEMENT MARKING EPOXY, YELLOW CURB
4	PAVEMENT MARKING EPOXY, WHITE LINE, 6-INCH
5	PAVEMENT MARKING EPOXY, YELLOW DOUBLE LINE, 4-INCH
6	PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH
7	PAVEMENT MARKING EPOXY, WHITE LINE, 8-INCH
8	PAVEMENT MARKING EPOXY, SYMBOL, LEFT ARROW

Notes: All dimensions are to center of marking and face of curb, for layout questions, contact
Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102

Match into existing



MARK	REVISION	DATE	BY
11822	11822	3/27/2025	M-1

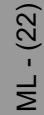
PAVEMENT MARKING PLAN	11822
SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT	MADISON, WI
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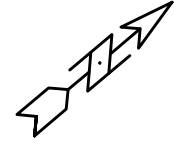
PAVEMENT MARKINGS	
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2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
3	PAVEMENT MARKING EPOXY, YELLOW CURB
4	PAVEMENT MARKING EPOXY, WHITE LINE, 6-INCH
5	PAVEMENT MARKING EPOXY, YELLOW DOUBLE LINE, 4-INCH
6	PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH
7	PAVEMENT MARKING EPOXY, WHITE LINE, 8-INCH
8	PAVEMENT MARKING EPOXY, SYMBOL, LEFT ARROW

Notes: All dimensions are to center of marking and face of curb, for layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102

Diagram illustrating a stepped profile with dimensions: 12' (total width), 18" (first step height), and 24" (second step height).



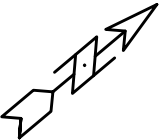
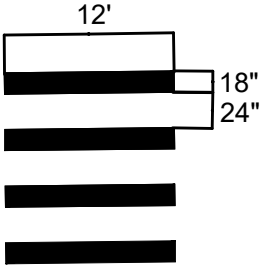
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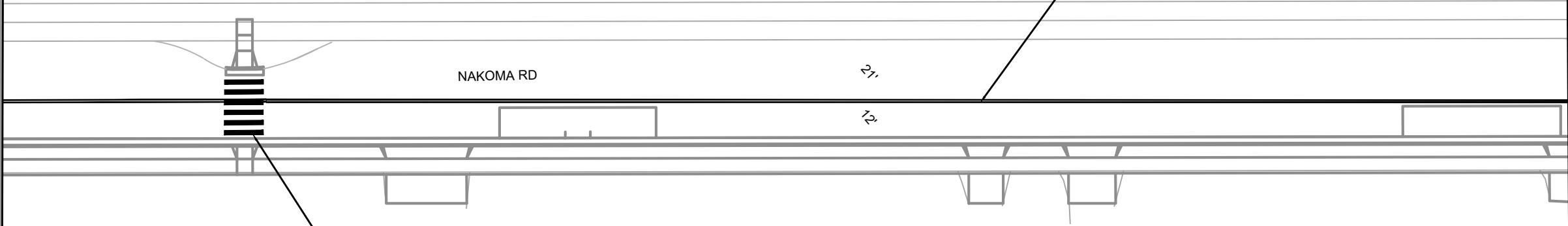
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2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
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8	PAVEMENT MARKING EPOXY, SYMBOL, LEFT ARROW

Notes: All dimensions are to center of marking and face of curb, for layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102

DETAIL:



ML - (23)



ML - (24)



11822

M-3

PAVEMENT MARKING PLAN

SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT

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11822

MADISON, WI

8783

CONTRACT NO:

11822

DESIGNED BY: MFG

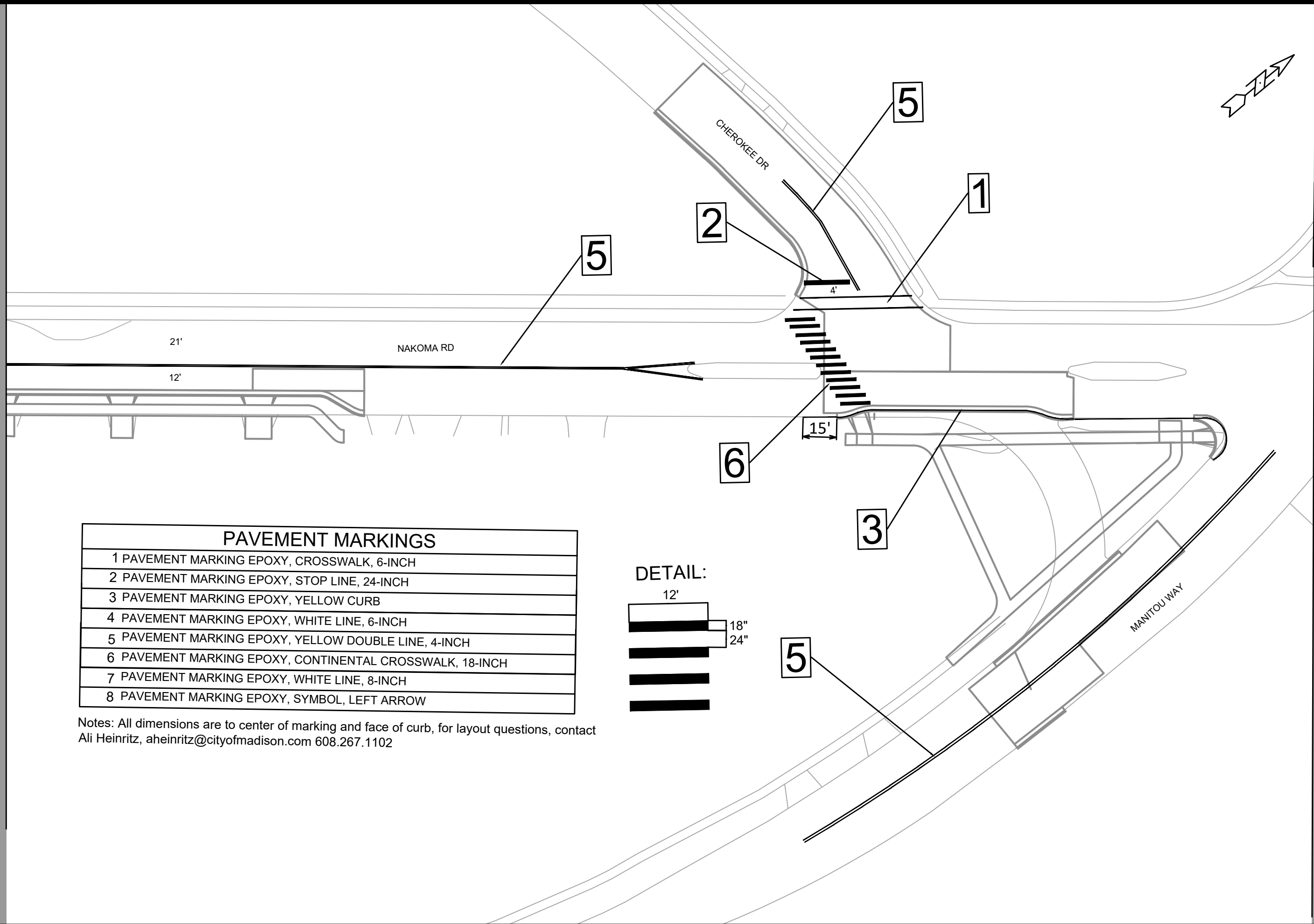
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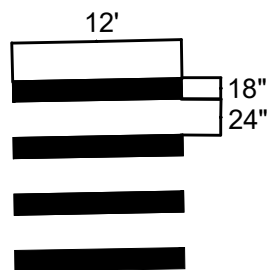
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M-3



PAVEMENT MARKINGS	
1	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH
2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
3	PAVEMENT MARKING EPOXY, YELLOW CURB
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7	PAVEMENT MARKING EPOXY, WHITE LINE, 8-INCH
8	PAVEMENT MARKING EPOXY, SYMBOL, LEFT ARROW

DETAIL:



5

MARK	REVISION	DATE	BY
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000-0	000-0	00-00	
000-0	000-0	00-00	
000-0	000-0	00-00	
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11822 M-4

PAVEMENT MARKING PLAN	11822
SHAWNEE PASS, NAKOMA SIDEWALK, AND NAKOMA CULVERT	MADISON, WI
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11822
M-4

