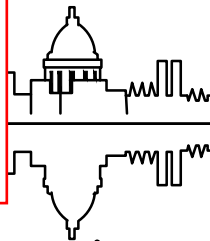


ADDENDUM 1 - 02/19/2024
 UPDATED SHEETS: D-3, U-5, U-8, U-10, W-1, W-2, W-3
 REVISION 1 - 05/02/2024
 UPDATED SHEETS: P1-P3, P5-P8, U1-U5, U7, U9, U11-12



Madison, Wisconsin

INDEX OF SHEETS

SHEET NO. D1-D3	TYPICAL SECTIONS & DETAILS
SHEET NO. G11-G16	GREEN INFRASTRUCTURE
SHEET NO. EC1-EC3	EROSION CONTROL PLANS
SHEET NO. P1-P4	STREET PLAN & PROFILES
SHEET NO. P5-P8	BUS PULLOUT PLANS
SHEET NO. U1-U8	UTILITY PLAN & PROFILES
SHEET NO. U9	SANITARY SEWER SCHEDULE
SHEET NO. U10-U12	STORM SEWER SCHEDULE
SHEET NO. W1-W3	WATER PLANS
SHEET NO. PM1	PAVEMENT MARKING PLANS
SHEET NO. TC1-TC4	TRAFFIC CONTROL PLANS
SHEET NO. X1-X14	CROSS SECTIONS
SHEET NO. MN-1	MAINTENANCE MAP (CITY USE ONLY)

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 WHERE STREET GRADES EXCEED 5.00%.

CITY OF MADISON

CITY ENGINEERING DIVISION

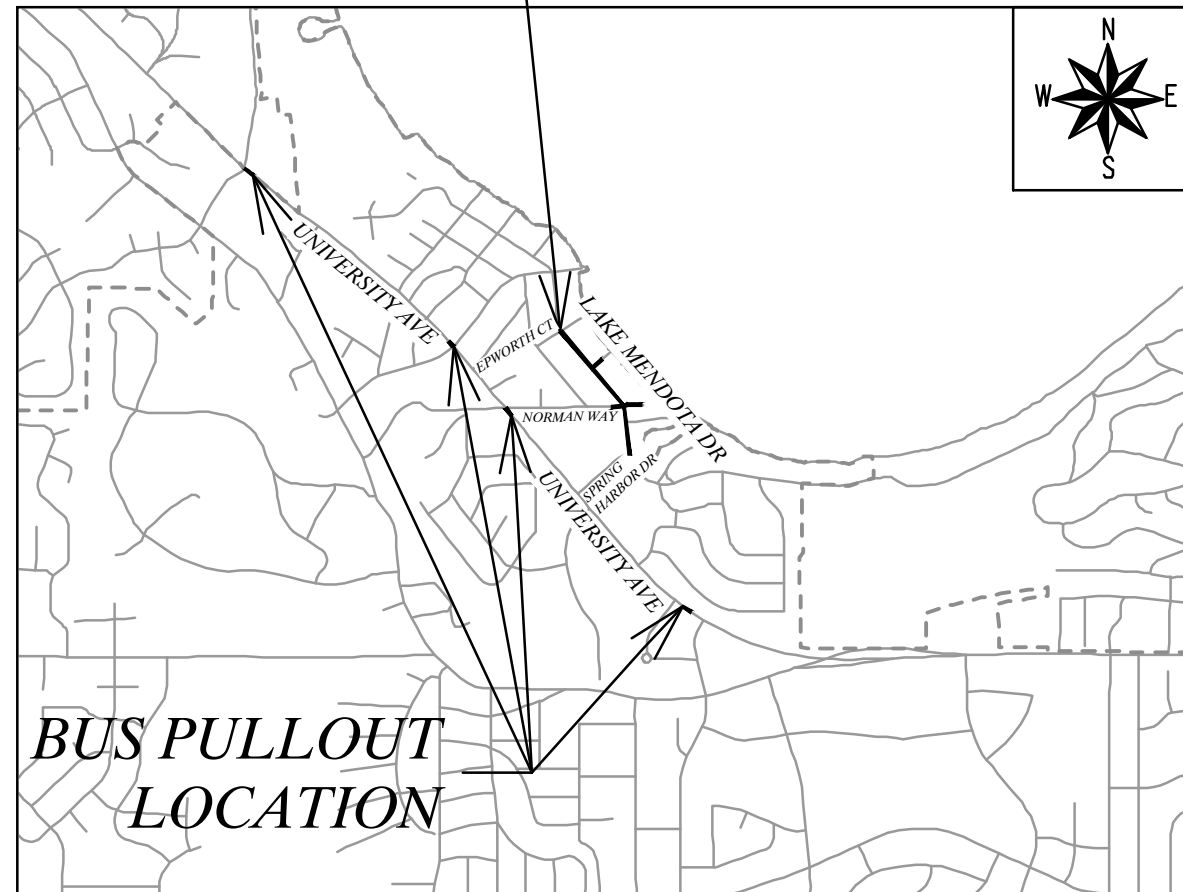
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

PROJECT LOCATION

CITY PROJECT NO. 14083
 CONTRACT NO. 8743



BUS PULLOUT LOCATION

EARTHWORK SUMMARY (GENERAL):

EXCAVATION CUT (MEASURED PLAN QUANTITY)	3,300 CY
ESTIMATED UNDISTRIBUTED UNDERCUT	760 CY
TOTAL UNCLASSIFIED EXCAVATION CUT	4,060 CY

EARTHWORK SUMMARY (FOR STORMWATER FEATURES ONLY):

EXCAVATION CUT (MEASURED PLAN QUANTITY)	154 CY
---	--------

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 23, 2024

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] Feb 6, 2024

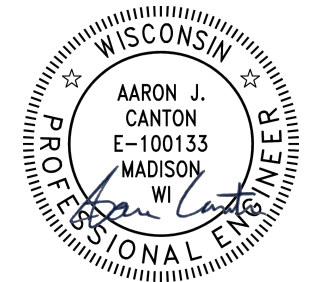
City Engineer Date

WATER DESIGNED BY:



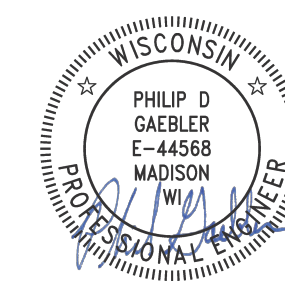
Feb 6, 2024

STREET DESIGNED BY:



Feb 6, 2024

GREEN INFRASTRUCTURE DESIGNED BY:



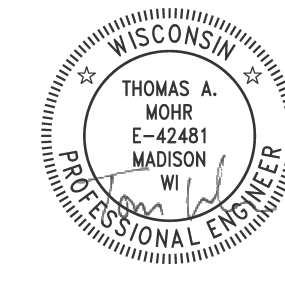
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SANITARY SEWER DESIGNED BY:



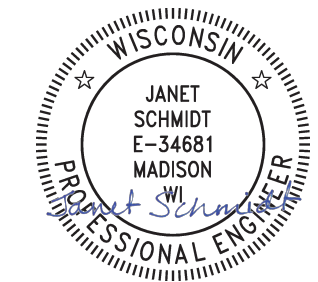
Feb 6, 2024

STREET GEOMETRICS, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DESIGNED BY:



Feb 6, 2024

STORM SEWER DESIGNED BY:



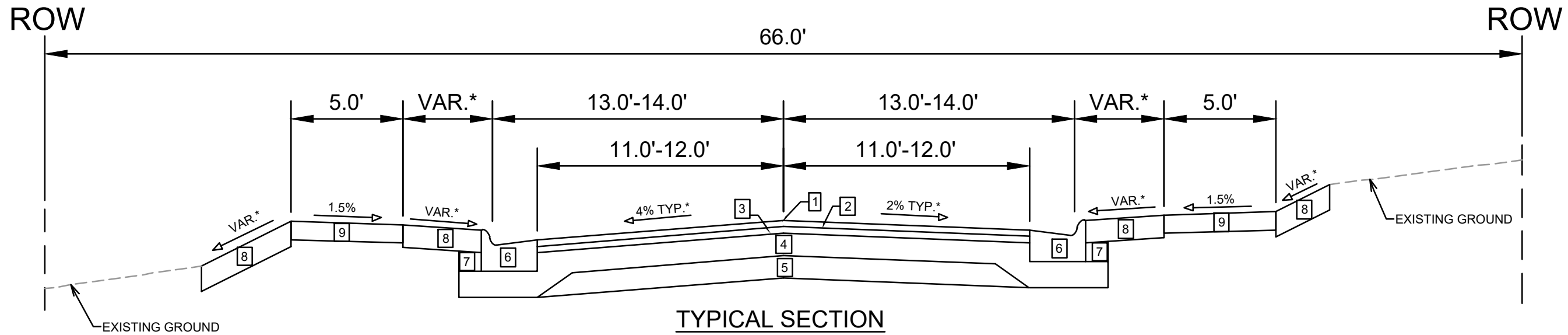
Feb 6, 2024

PLOT SCALE: 1" = 100'

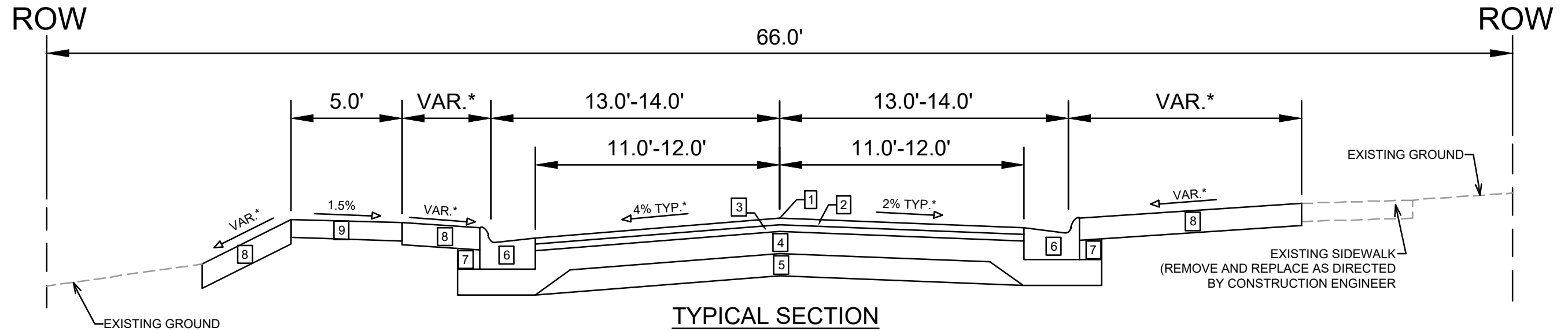
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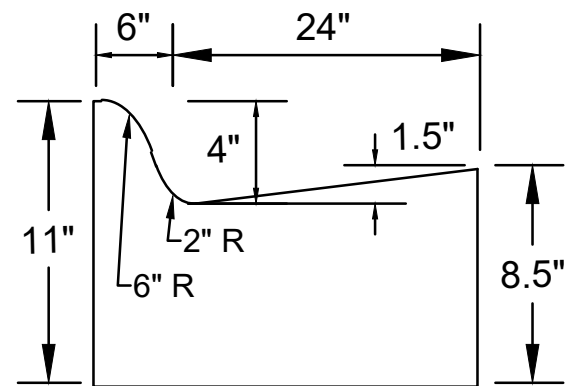
ORIGINAL FOR: CITY OF MADISON



**TYPICAL SECTION
LAKE MENDOTA DRIVE
(WESTERLY PROJECT LIMITS TO NORMAN WAY)**



**TYPICAL SECTION
LAKE MENDOTA DRIVE
(NORMAN WAY TO EASTERLY PROJECT LIMITS)**



**MODIFIED TYPE 'A'
CONCRETE CURB & GUTTER
(PAY AS TYPE 'A' CONC C&G)**

NOTES:

- * SEE P-SHEETS AND X-SHEETS FOR DIMENSIONING AND CROSS SLOPES
- *** INSTALL EROSION MATTING, CLASS I, TYPE B - ORGANIC FOR RESTORATION SLOPES GREATER THAN 3:1

- 1 POINT REFERRED TO ON PROFILE
- 2 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- 3 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- 4 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- 5 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- 6 MODIFIED TYPE 'A' CONCRETE CURB & GUTTER (SEE INSET DETAIL)**
- 7 FILL INCIDENTAL TO CURB & GUTTER INSTALLATION
- 8 6" TOPSOIL, SEED, & MAT***
- 9 5" CONCRETE SIDEWALK

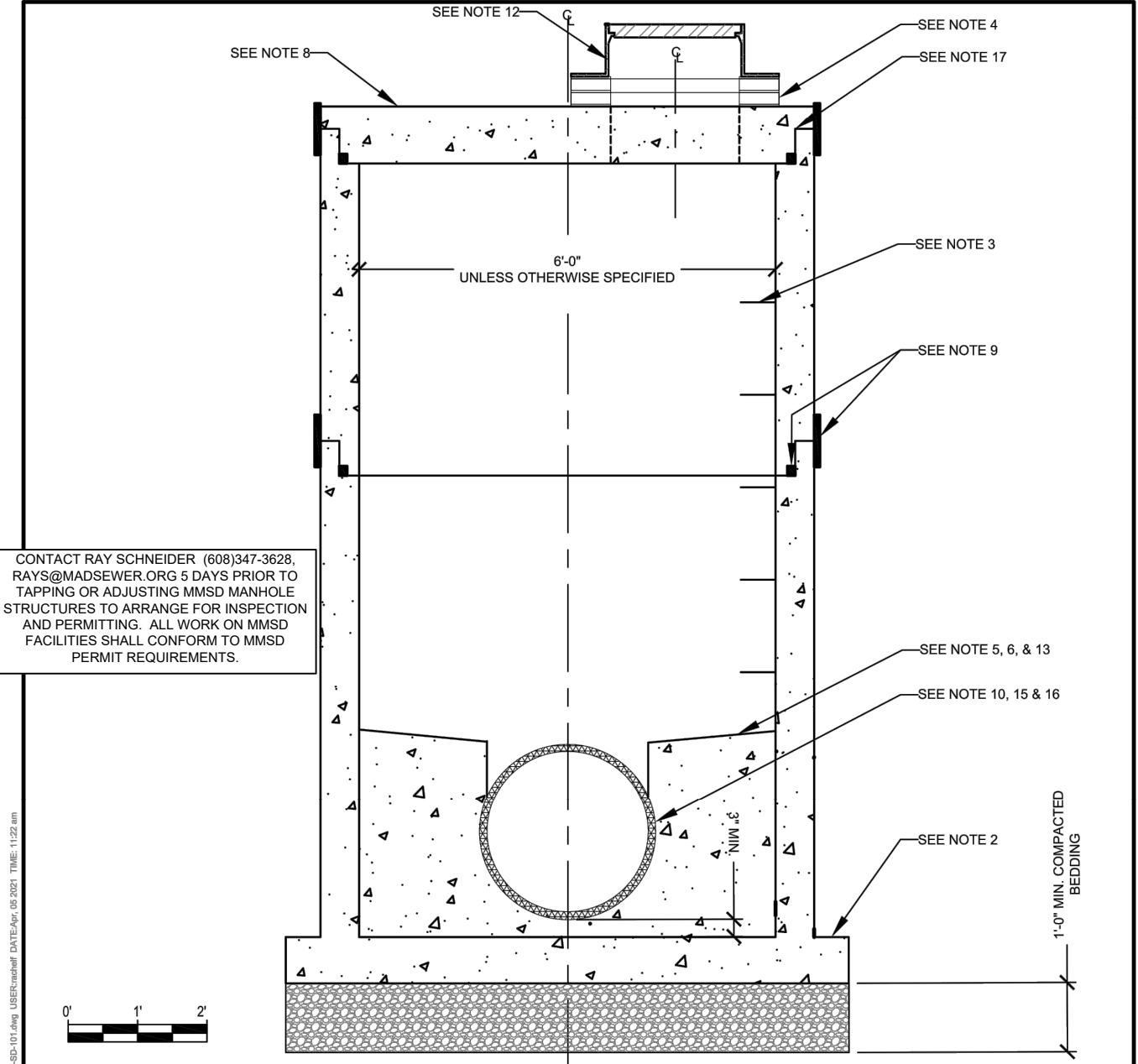
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MADISON, WI
8625
CONTRACT NO:

TYPICAL SECTIONS
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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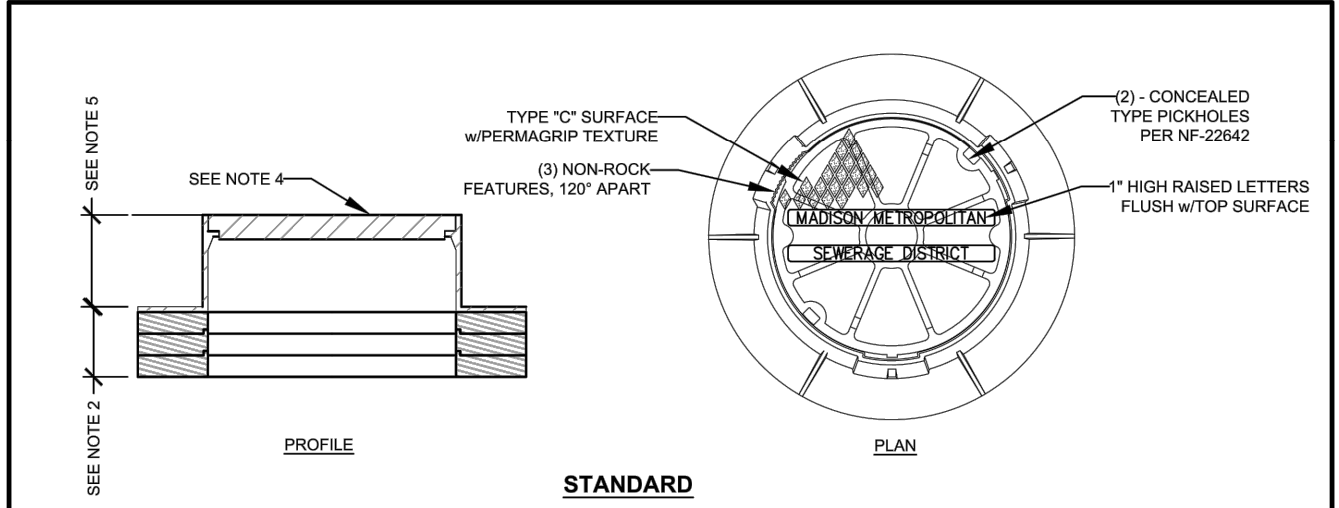
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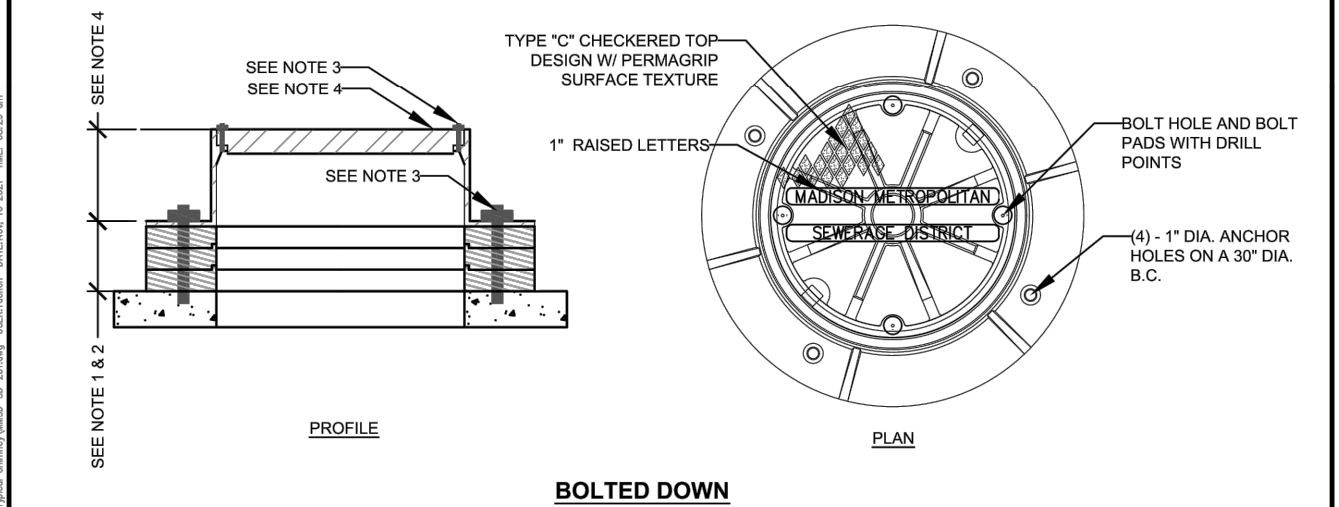
CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

- NOTES:**
- MANHOLE SECTIONS AND THICKNESSES SHALL BE PRECAST REINFORCED CONCRETE, CONSTRUCTED PER ASTM C-478 (ROUND) OR C-913 (SQUARE).
 - THE BASE THICKNESS SHALL BE 8 INCHES FOR DEPTHS 10 FEET OR LESS AND 12 INCHES FOR DEPTHS OVER 10 FEET.
 - 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.
 - MANHOLE CHIMNEYS SHALL HAVE FROM 3 TO 9 INCHES OF ADJUSTING RINGS. OPENING SHALL BE 24" OFFSET, CENTERED OVER MANHOLE STEPS.
 - 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. BENCH SHALL BE SLOPED 1" - 2" PER FOOT.
 - THE INVERT CHANNEL SHALL BE TOWELED TO SMOOTH, DENSE SURFACE AND A SEMICIRCULAR SHAPE CONFORMING TO THE INSIDE OF THE ADJACENT SEWER.
 - TOP DECK SHOULD BE A FLAT TOP UNLESS OTHERWISE NOTED.
 - 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.
 - PROVIDE WATERTIGHT FLEXIBLE PIPE CONNECTOR FOR ALL CONNECTIONS UNLESS OTHERWISE NOTED.
 - MANHOLE INTERIOR COATINGS TO BE DIRECTED BY THE DISTRICT.
 - CHIMNEY, FRAME, & COVER **PER SHEET SD-201**.
 - MINIMUM HEIGHT FROM TOP OF BENCH TO DECK UNDERSIDE SHALL BE 7'-0".
 - PICKHOLES SHALL UNDER NO CIRCUMSTANCES PENETRATE THRU CONCRETE. EARHOLE STYLE PICKHOLES OR USE SUPERFICIAL LIFTING HOOKS SHOULD BE USED INSTEAD. ALL PICKHOLES SHALL BE MORTARED PRIOR TO BACKFILLING.
 - BOOT EXPANDERS SHALL BE PLACED AND INSTALLED AT THE 12 O'CLOCK POSITION WITH SCREW ENDS CAPPED, UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER.
 - 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).
 - 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.

		DRAWING TITLE		REV. DATE DSGN DRWN CHCK APPV DRAWING NUMBER			
STANDARD TYPICAL MANHOLE		1	03/27/2020	ALL	R/JF	BAR, TG & JH	SD-101
		2	04/05/2021	ALL	R/JF	TG & JH	



- NOTES:**
- STANDARD MANHOLE, ACCESS HOLE, LADDER, CONNECTORS & BENCH SHALL BE **PER SHEET SD-101**.
 - CHIMNEY SHALL HAVE A MINIMUM HEIGHT OF 3" AND A MAXIMUM HEIGHT OF 9" OF ADJUSTING RINGS. ADJUSTING RINGS SHALL BE CRETEX PRO-RING OR EQUAL.
 - SEAL BETWEEN RINGS, CASTING, AND TOP DECK PER MANUFACTURER REQUIREMENTS.
 - MANHOLE CHIMNEYS SHALL OPENING SHALL BE 24" OFFSET, CENTERED OVER MANHOLE STEPS.
 - MANHOLE FRAME AND COVER SHALL BE CAST IRON WITH HEAVY DUTY, INDENTED TOP WITH SOLID LIDS AND MACHINED BEARING SURFACES, NON-ROCKING,
 - SELF SEALING, WITH CONCEALED PICK HOLES, STAMPED WITH THE LETTERING "MADISON METROPOLITAN SEWERAGE DISTRICT", NF-10500151.
 - 9" HEIGHT (NF-10502301 OR EQUAL) IS STANDARD. 4" HEIGHT (NF-16892301 OR EQUAL) MAY BE PERMITTED PER MADISON METROPOLITAN DISTRICT APPROVAL.
 - CHIMNEY SEALS DETERMINED ON A CASE-BY-CASE BASIS.
 - BROKEN OR CRACKED ADJUSTING RINGS ARE NOT PERMITTED AND WILL BE REJECTED.

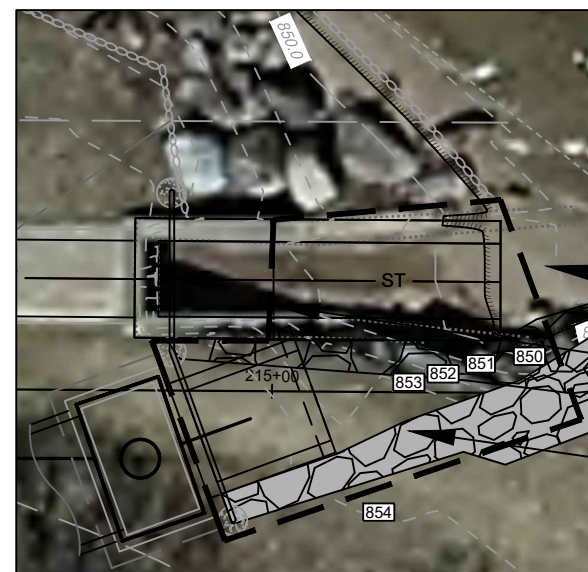


- NOTES:**
- FOLLOW STANDARD CHIMNEY DETAIL REQUIREMENTS UNLESS OTHERWISE SUPERCEDED BY FOLLOWING NOTES.
 - INSTALL ADHESIVE AT RING FACES PER MANUFACTURER REQUIREMENTS.
 - SECURE CASTING TO MANHOLE TOP DECK, MINIMUM 2" EMBEDMENT, IN FOUR LOCATIONS WITH HEX HEAD SCREWS. ALL HARDWARE TO BE STAINLESS STEEL.
 - LID SHALL BE NF-19160436 OR EQUAL. 9" FRAME SHALL BE NF-19160280 OR EQUAL.

		DRAWING TITLE		REV. DATE DSGN DRWN CHCK APPV DRAWING NUMBER			
STANDARD MANHOLE CHIMNEY		1	03/27/2020	ALL	R/JF	BAR, TG & JH	SD-201
		2	04/05/2021	ALL	R/JF	TG & JH	
		3	11/10/2021	GW	R/JF	GW	

MADISON METROPOLITAN SEWERAGE DISTRICT - STANDARD DETAIL DRAWING	14083
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024	MADISON, WI
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IF MOVED, RESTORE RIPRAP ADJACENT TO BEACH TO EXISTING CONDITIONS

FIELD-POUR (S-1) ENDWALL & (S-2) 4'X7' STORM SAS. RIM = 854.96 SET ROOF AT GRADE, NO CASTINGS

REMOVE STUMP

INSTALL RAILING. INSTALL FOOTINGS OUTSIDE OF STRUCTURES.

PROP ENDWALL WITH 8" WIDE HEADWALL & WINGWALLS W/8" THICK SPLASHPAD

INSTALL CUT OFF WALL (PRECAST OK), AND INSTALL RIPRAP PER S.D.D. 5.4.4. MATCH LAKE BED GRADE.

EX RCBC FUNTIONS AS PATH. DO NOT DAMAGE.

SALVAGE ALL BOULDERS & RIPRAP. REPLACE W/ RESTORATION

PROP ENDWALL HEADER = 854.96

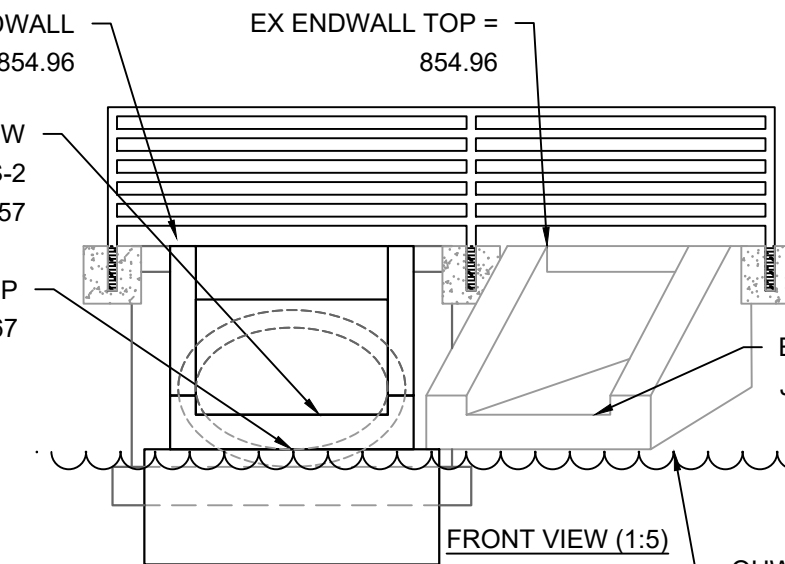
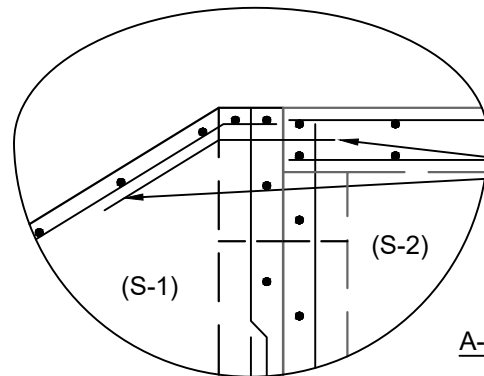
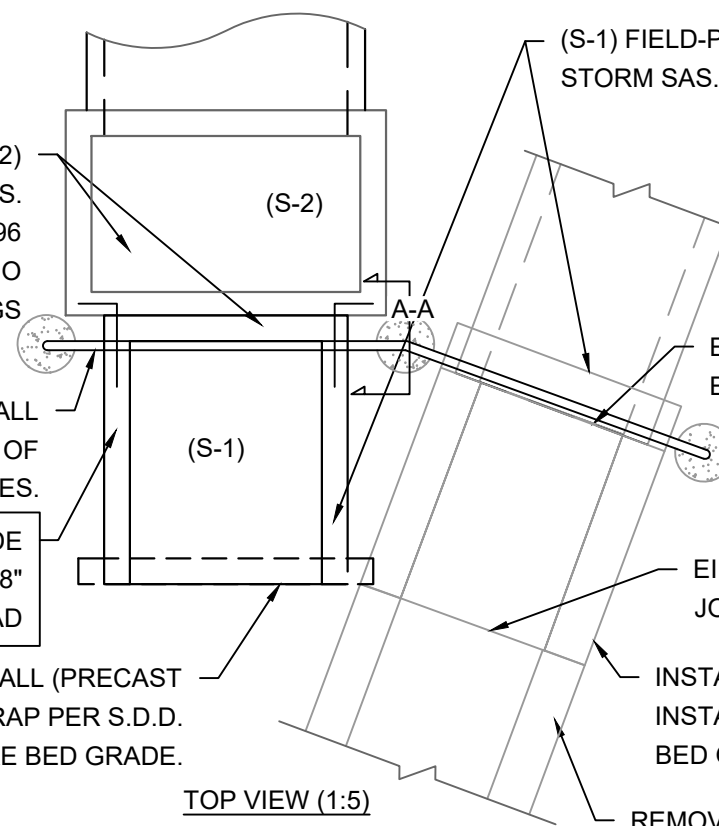
INSTALL 3'H X 5'W OPENING AT S-2 EI = 850.57

PROP 38"X60" HERCP EI = 849.67

849.09

851.29

APPROX 240 SF AREA. REGRADE SHORE TO ACCOMODATE ENDWALL. INSTALL RIPRAP TO MATCH EX LAKE BED ELEVATION.



(S-1) FIELD-POUR ENDWALL. FORM EDGES TO MATCH STYLE OF EXISTING ENDWALL. TIE INTO 4'X7' STORM SAS. EXTEND ENDWALL LENGTH TO MATCH EX ENDWALL JOINT. (APPROX 7' FROM S-2 TO END)

NO WORK MAY TAKE PLACE ALONG THE LAKE MENDOTA SHORELINE BETWEEN MARCH 15 - MAY 15.

INSTALL EROSION CONTROL MEASURES AND WATERBODY PROTECTION PRIOR TO DISTURBING SEDIMENT ALONG THE SHORELINE OR WITHIN THE LAKE BOUNDARY. CONTRACTOR MUST DETERMINE APPROPRIATE WATERBODY PROTECTION TO IMPLEMENT. MUST PROVIDE TURBIDITY BARRIER AND/OR SHEETPILE COFFERDAM (OR EQUIVALENT) AT MINIMUM.

ENDWALL CONSTRUCTION INCLUDES PROPOSED ENDWALL & MODIFICATIONS TO EXISTING ENDWALL.

PROPOSED ENDWALL TO BE FIELDPOURED & CONNECTED TO PROPOSED 4'X7' STM SAS (S-2).

PROCURE & INSTALL RAILING ACROSS BOTH HEADWALLS (BID ITEM 90040).

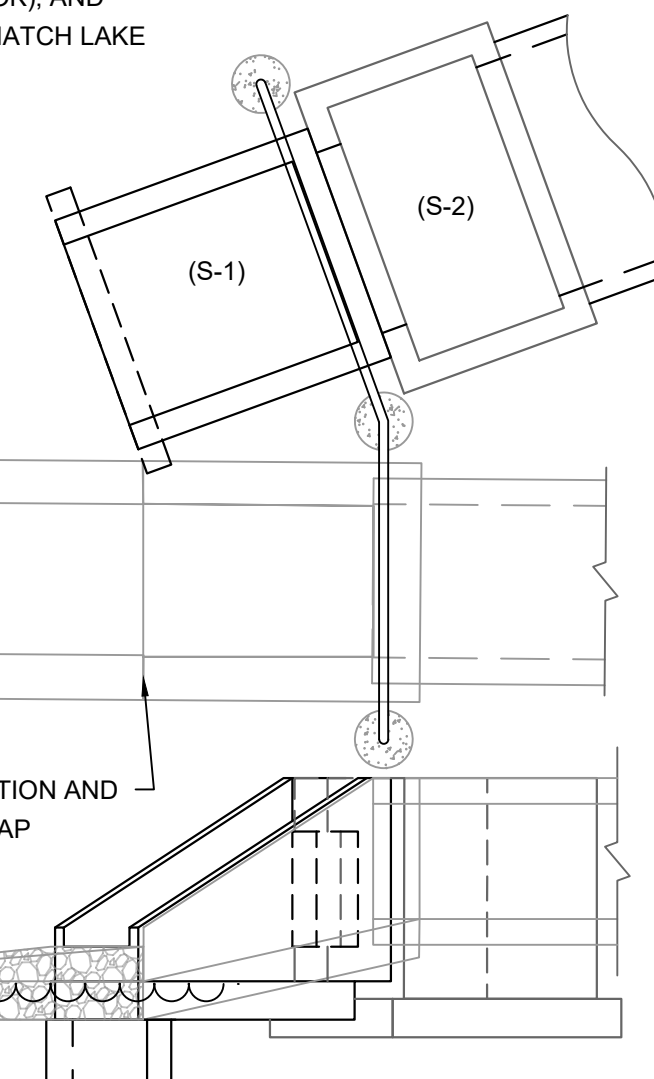
EX 4'X3' RCBC EI = 851.29

EI AT ENDWALL JOINT = 850.57

INSTALL CUT OFF WALL (PRECAST OK), AND INSTALL RIPRAP PER S.D.D. 5.4.4. MATCH LAKE BED GRADE.

REMOVE CONCRETE FLUME PAST JOINT & DISPOSE OF CONCRETE

INSTALL DOWEL TO CONNECT HEADWALL TO 4'X7' SAS ROOF. EXTEND INTO ENDWALL 2' (MIN).



REMOVE SECTION AND INSTALL RIPRAP

EI AT ENDWALL JOINT = 850.57

OHHM = 849.60

LAKE MENDOTA SURFACE WATER ELEVATION MANAGED BY DANE COUNTY
 SUMMER MINIMUM = 849.60
 SUMMER MAXIMUM = 850.10
 WINTER MINIMUM = 848.20

ISO PROFILE VIEW



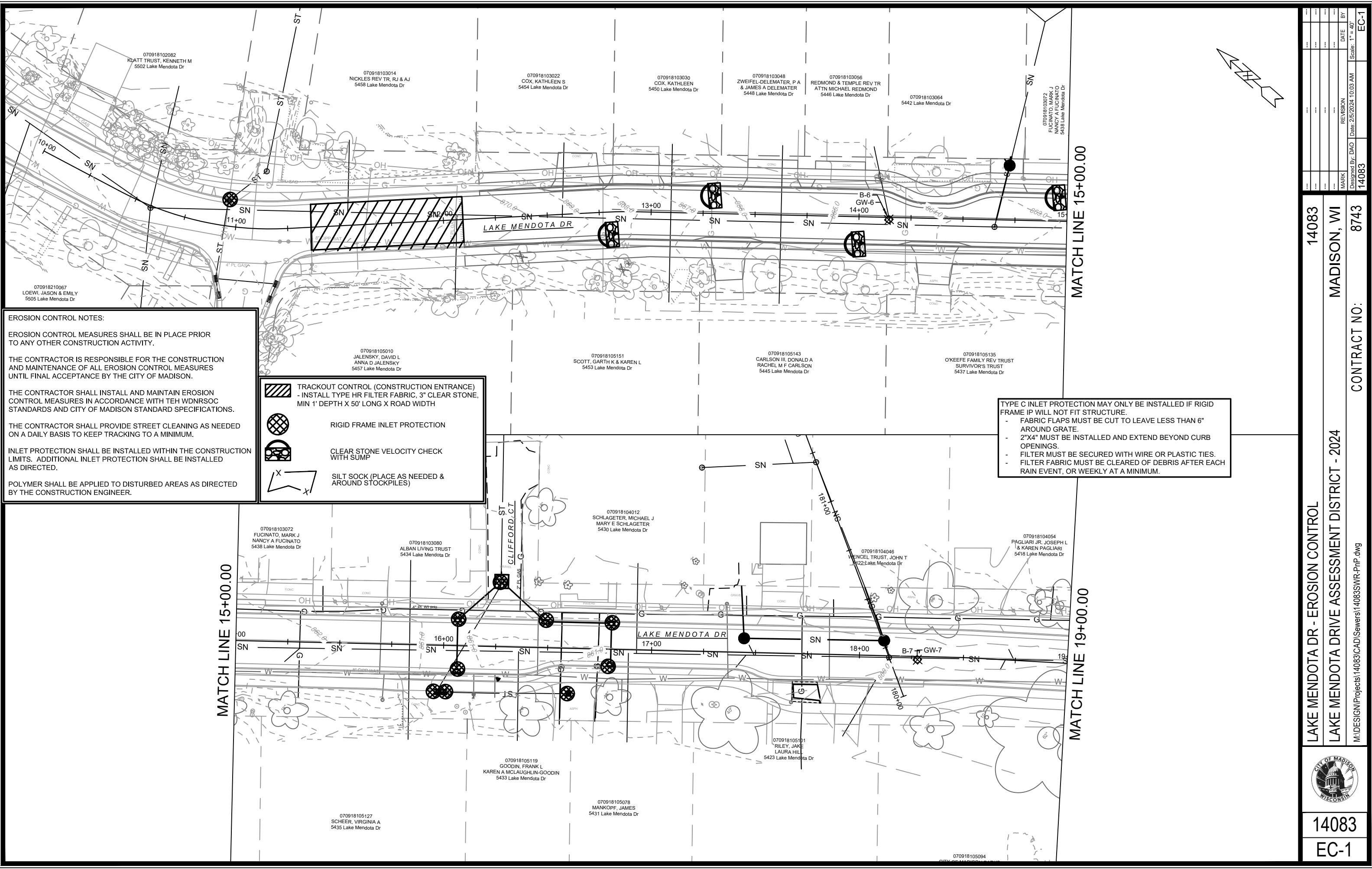
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14083
 MADISON, WI
 8743
 CONTRACT NO:

NORMAN WAY - ENDWALL DETAIL
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
 D-3



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 TEH WDRSOC 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 INSTALLED AS DIRECTED.

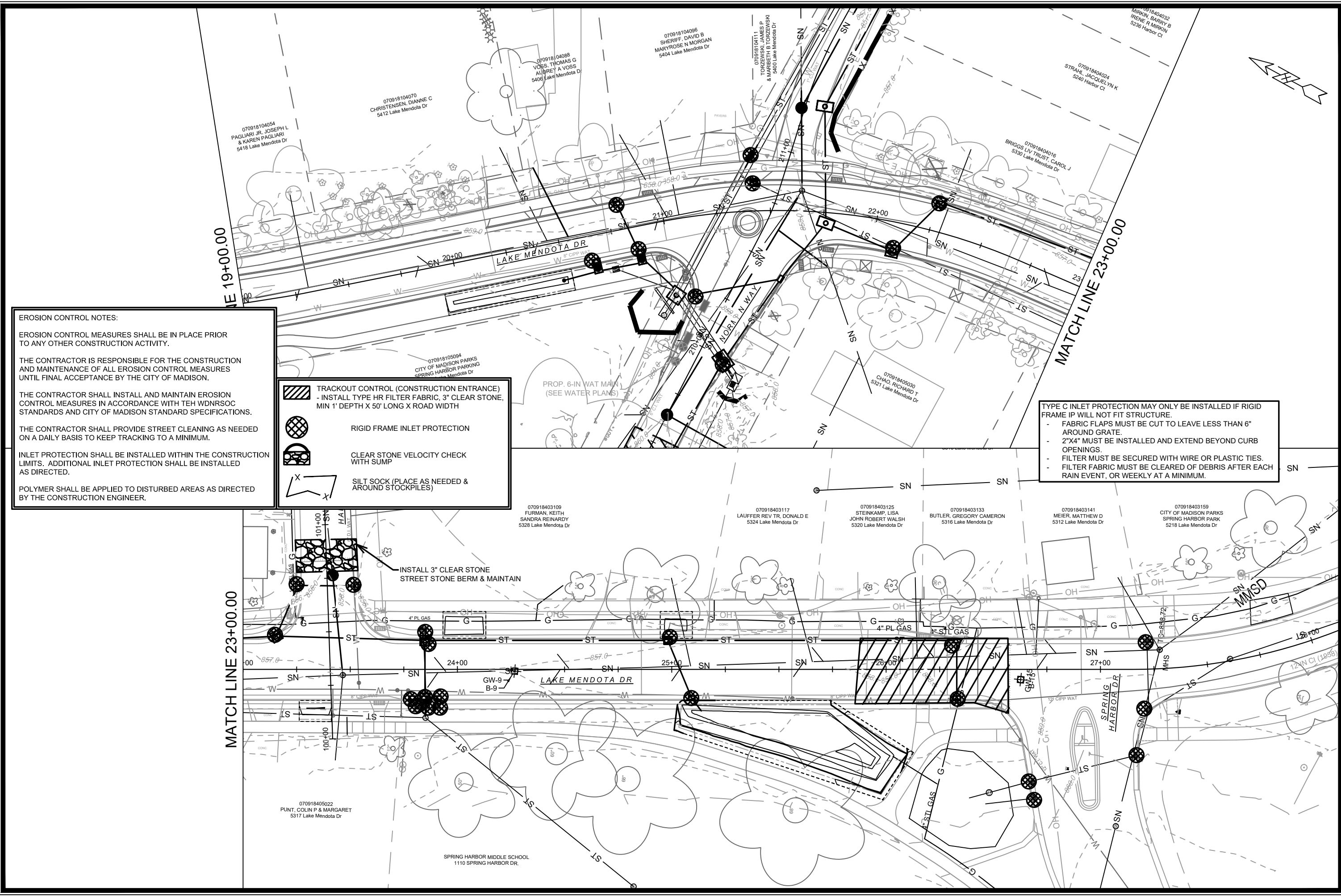
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

- 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
- CLEAR STONE VELOCITY CHECK WITH SUMP
- SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)

TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME IP 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.

14083	MADISON, WI	8743	CONTRACT NO:	14083
LAKE MENDOTA DR - EROSION CONTROL				
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024				
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MARK	REVISION	DATE	BY

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MADISON, WI
8743
CONTRACT NO:

LAKE MENDOTA DR - EROSION CONTROL
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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EROSION CONTROL NOTES:

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
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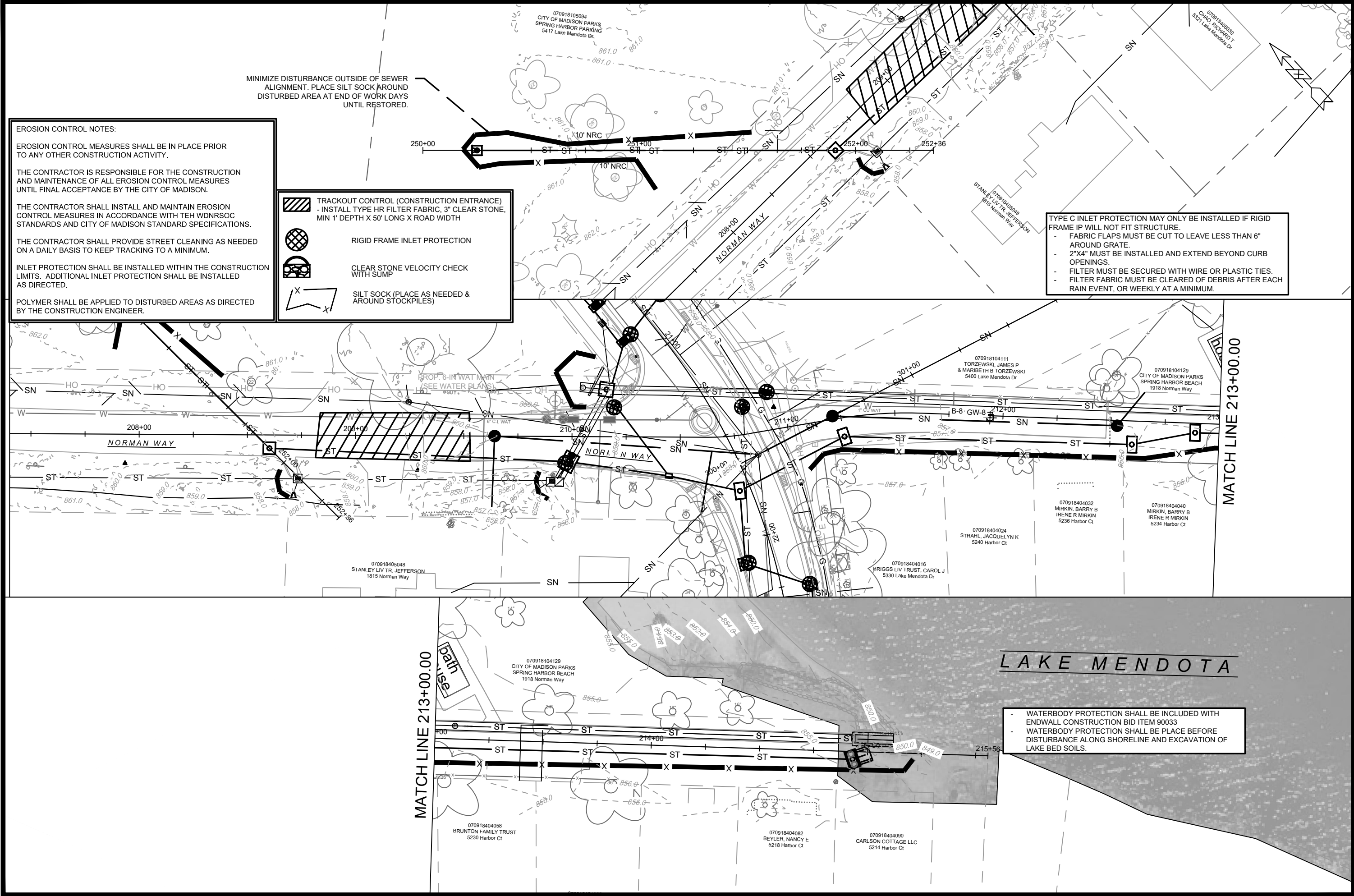
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-  SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)

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- 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.



LAKE MENDOTA

WATERBODY PROTECTION SHALL BE INCLUDED WITH ENDWALL CONSTRUCTION BID ITEM 90033
WATERBODY PROTECTION SHALL BE PLACE BEFORE DISTURBANCE ALONG SHORELINE AND EXCAVATION OF LAKE BED SOILS.

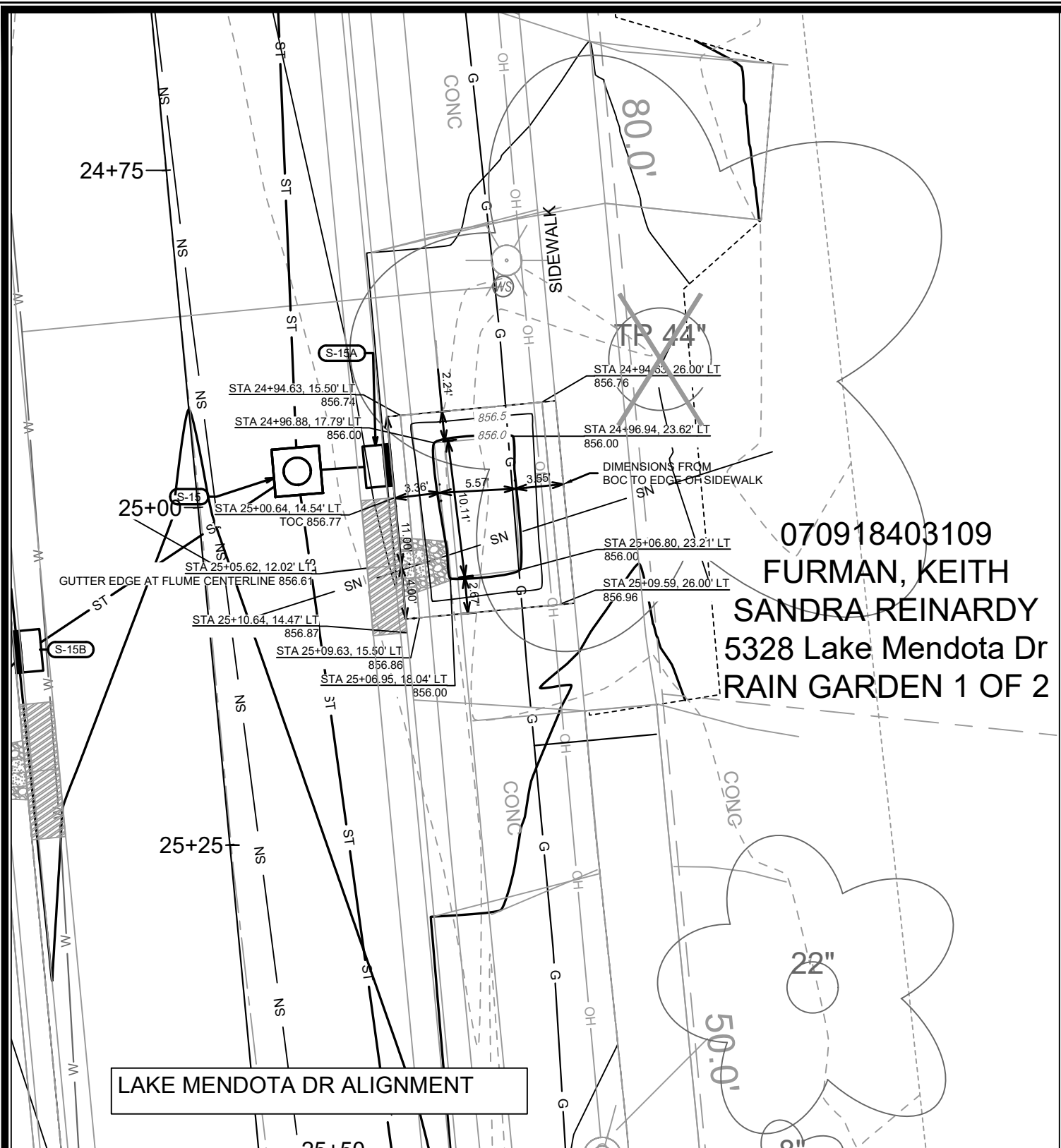
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MADISON, WI
8743

CONTRACT NO.:
NORMAN WAY - EROSION CONTROL
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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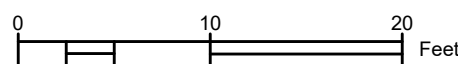
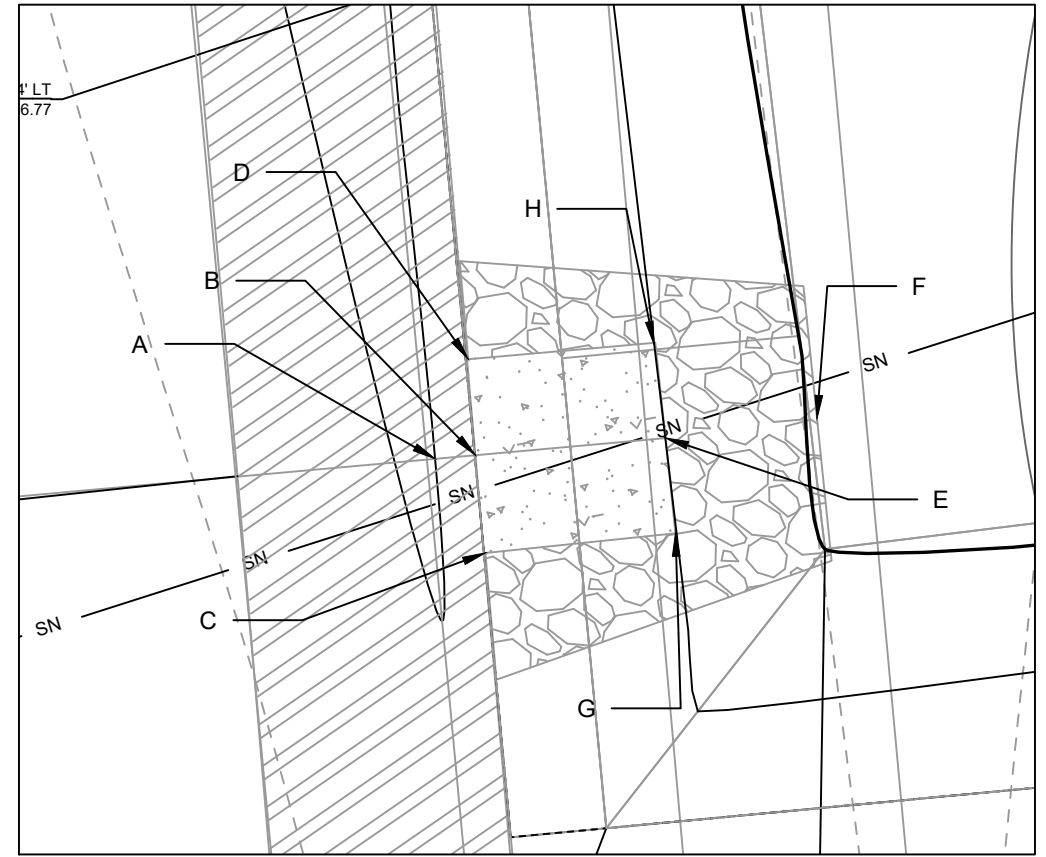
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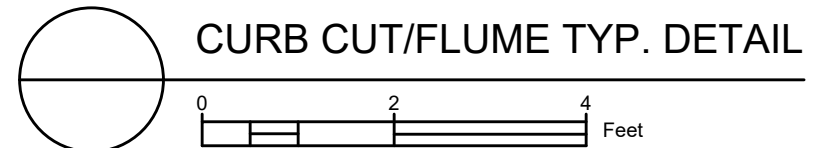
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 FURMAN, KEITH
 SANDRA REINARDY
 5328 Lake Mendota Dr
 RAIN GARDEN 1 OF 2

DETAIL POINT ELEVATIONS/DESCRIPTIONS

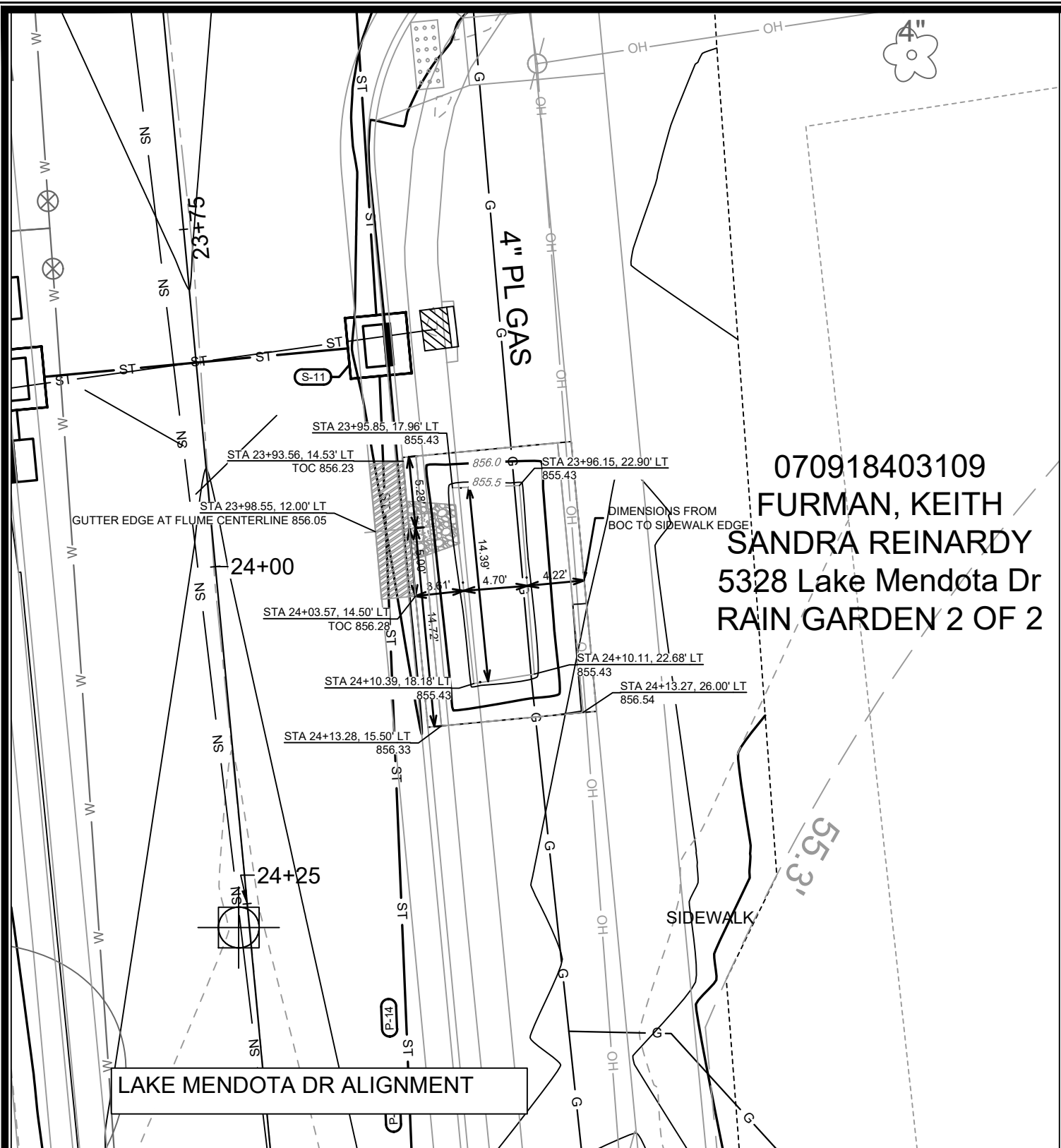
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		Distance from Existing FlowLine (ft)	Elevation
	Ex. EOG at CL of Flume	+0.125	856.61
A	Ex. Flow Line at CL of Flume	0	856.49
B	Pro. Gutter Flow Line at CL of Flume	-0.17	856.32
C	Edge of Flume @ Gutter (Uphill)	varies	856.51
D	Edge of Flume @ Gutter (Downhill)	varies	856.46
E	Bottom of Flume at CL	varies	856.15
F	Bottom of Stone/Pond	varies	856.00
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	856.43
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	856.38



NOTES:
 1. ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS
 2. ALL AREAS OUTSIDE OF TOP OF BASIN SHALL RECEIVE TERRACE SEED MIX, DO NOT SEED WITHIN SIDE SLOPES OR BOTTOM OF BASIN.
 3. SEE DETAIL D-1 AND D-2.

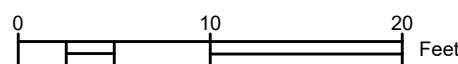
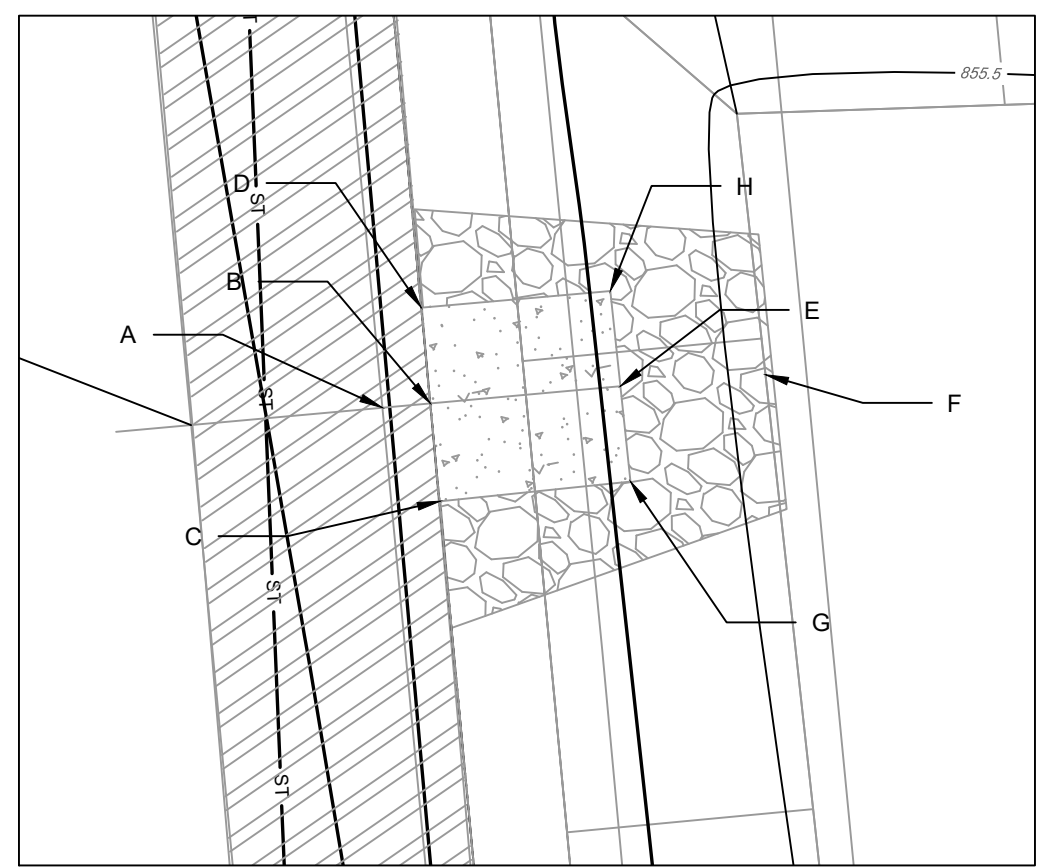


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 MADISON, WI
 CONTRACT NO.:
 GREEN INFRA 5324 LMD RG1
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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 CITY OF MADISON WISCONSIN
 14083
 G1-1

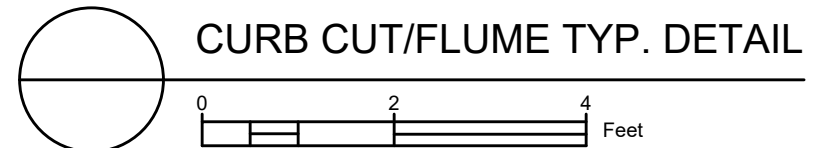


070918403109
 FURMAN, KEITH
 SANDRA REINARDY
 5328 Lake Mendota Dr
 RAIN GARDEN 2 OF 2

DETAIL POINT ELEVATIONS/DESCRIPTIONS			
Point	Point Description	Distance from Existing FlowLine (ft)	Elevation
		Pond depth (inches)	6
	Ex. EOG at CL of Flume	+0.125	856.05
A	Ex. Flow Line at CL of Flume	0	855.93
B	Pro. Gutter Flow Line at CL of Flume	-0.17	855.76
C	Edge of Flume @ Gutter (Uphill)	varies	855.94
D	Edge of Flume @ Gutter (Downhill)	varies	855.91
E	Bottom of Flume at CL	varies	855.59
F	Bottom of Stone/Pond	varies	855.43
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	855.86
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	855.83

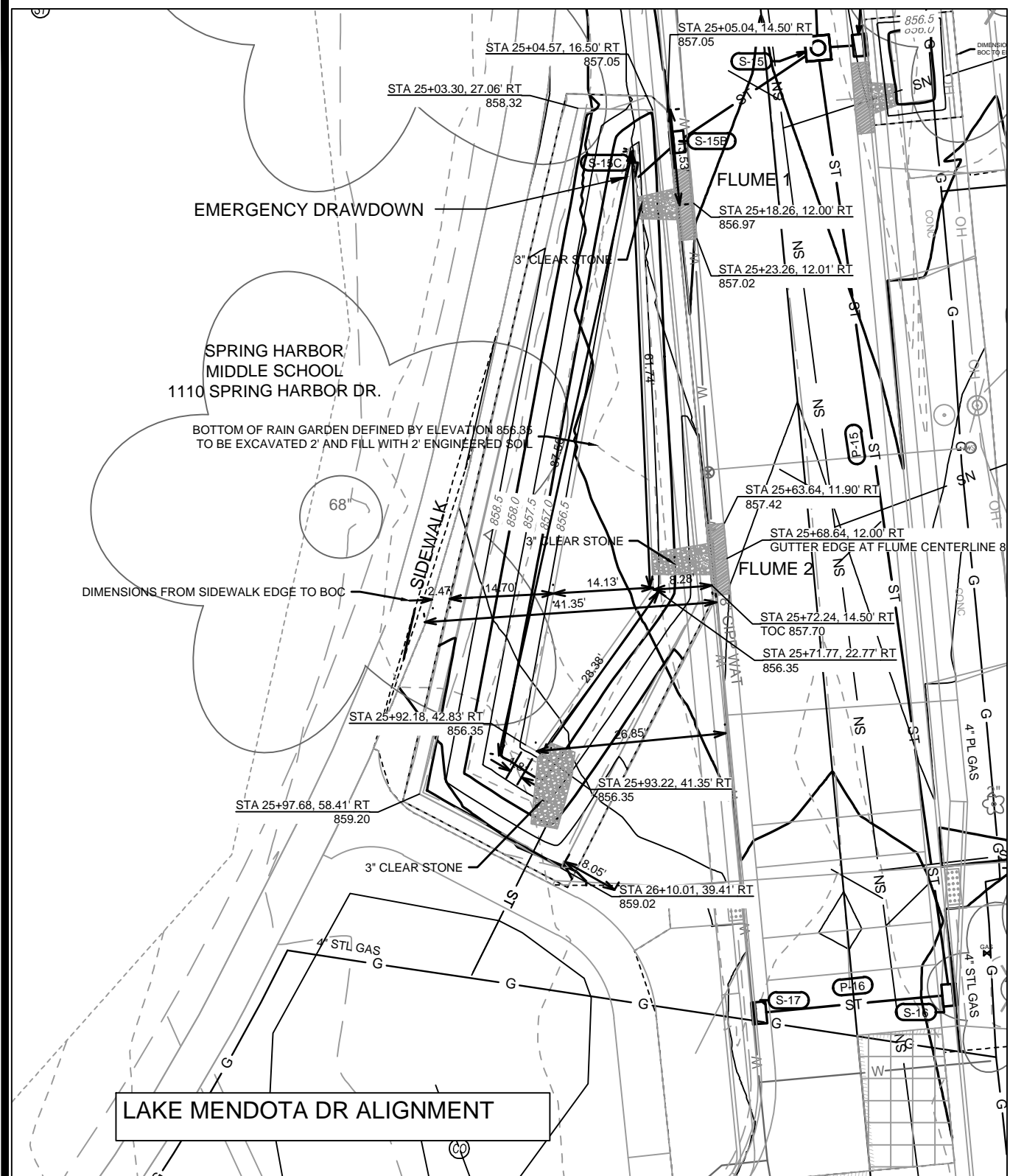


NOTES:
 1. ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS
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 3. SEE DETAIL D-1 AND D-2.



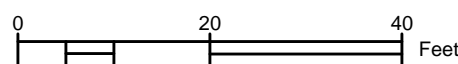
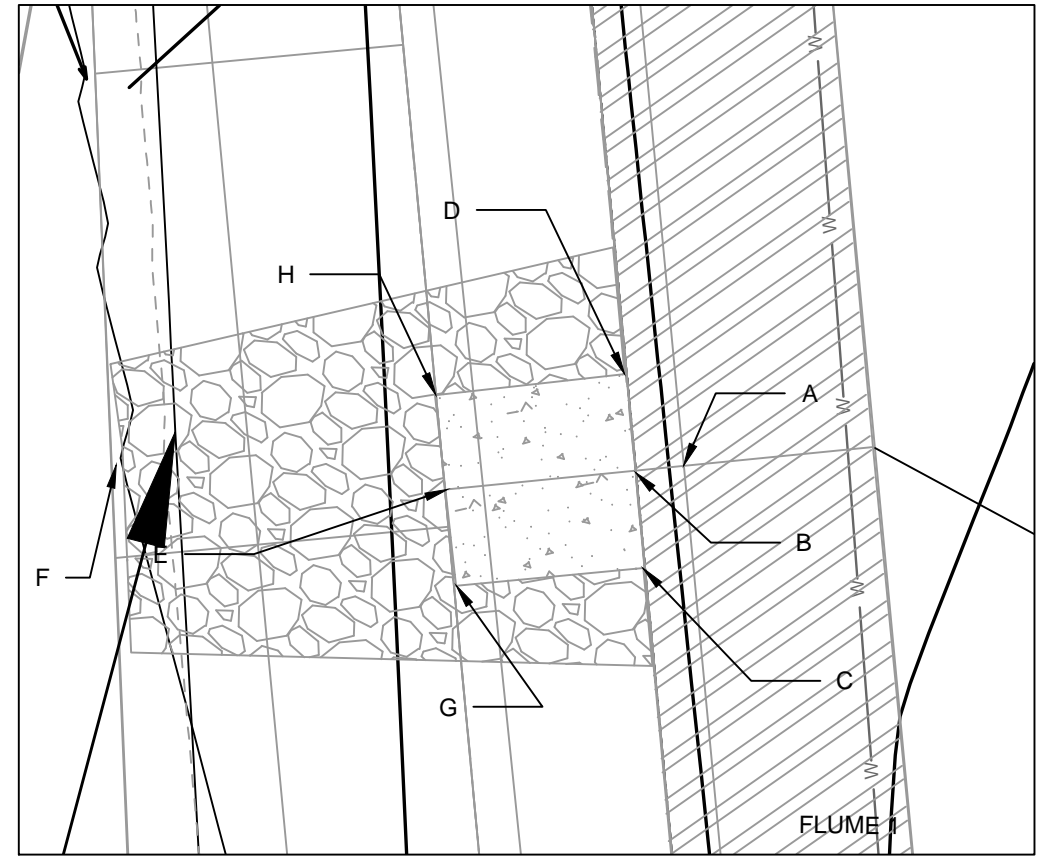
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 MADISON, WI
 CONTRACT NO.: 8622
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 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
 GI-2

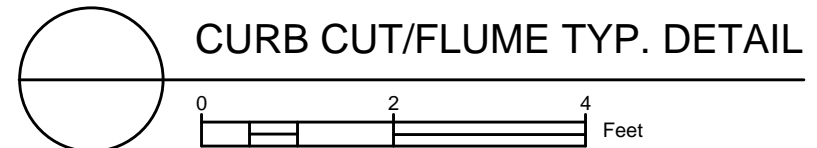


DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Distance from Existing FlowLine (ft)	Flume 1 Elevation	Flume 2 Elevation
		Pond depth (inches)	6	
		Distance from Existing FlowLine (ft)		
			Flume 1 Elevation	Flume 2 Elevation
	Ex. EOG at CL of Flume	+0.125	856.97	857.46
A	Ex. Flow Line at CL of Flume	0	856.85	857.34
B	Pro. Gutter Flow Line at CL of Flume	-0.17	856.68	857.17
C	Edge of Flume @ Gutter (Uphill)	varies	856.87	857.36
D	Edge of Flume @ Gutter (Downhill)	varies	856.82	857.32
E	Bottom of Flume at CL	varies	856.51	857.00
F	Bottom of Stone/Pond	varies	856.35	856.35
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	856.79	857.28
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	856.74	857.23



NOTES:
 1. ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS
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 3. SEE DETAIL D-1 AND D-2.



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 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
 MADISON, WI
 CONTRACT NO.: 8622
 14083
 GI-3

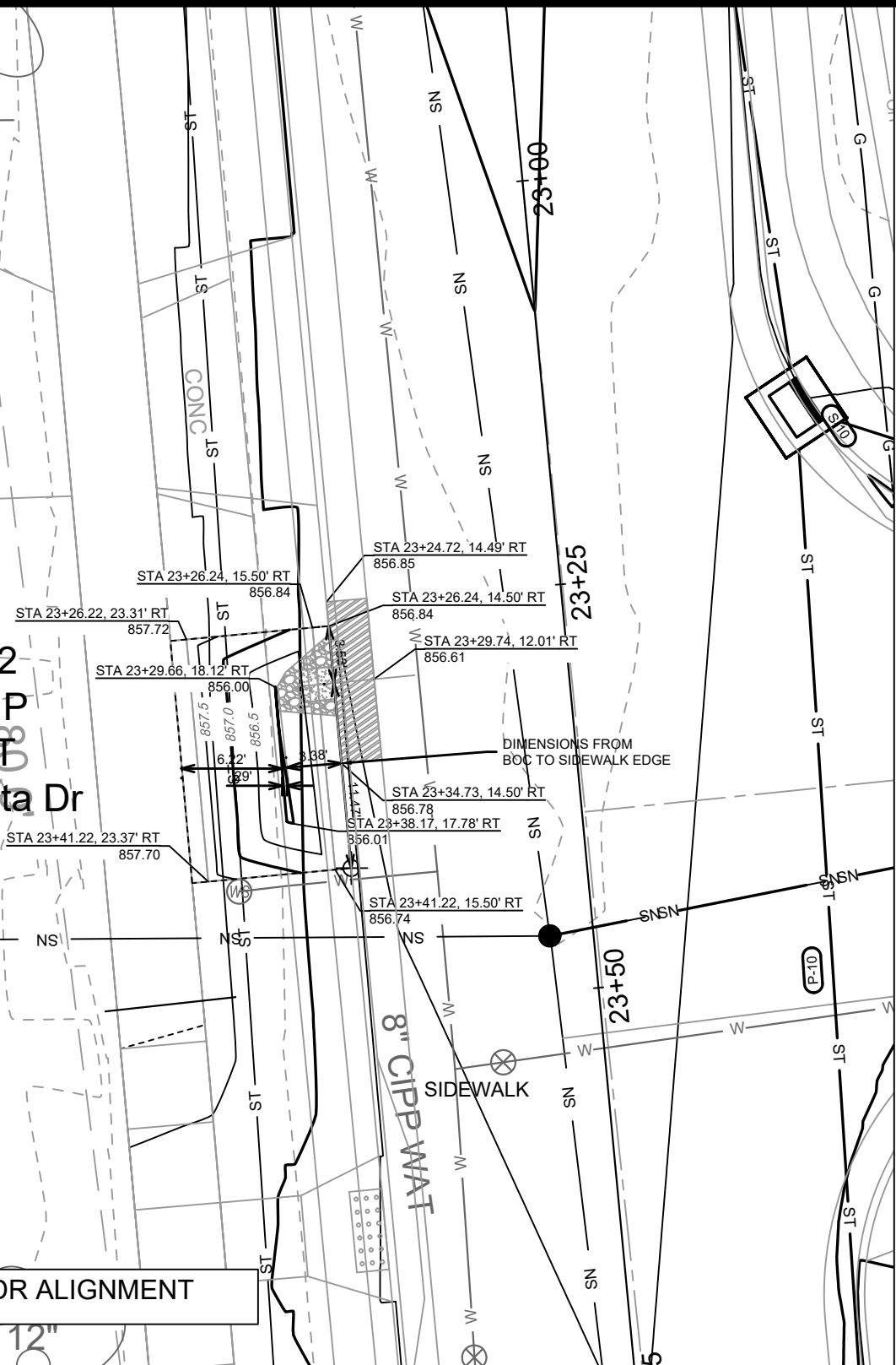
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 2/21/23
 PDG
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REVISION
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 GI-3

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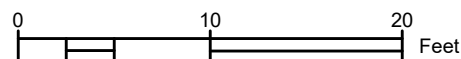
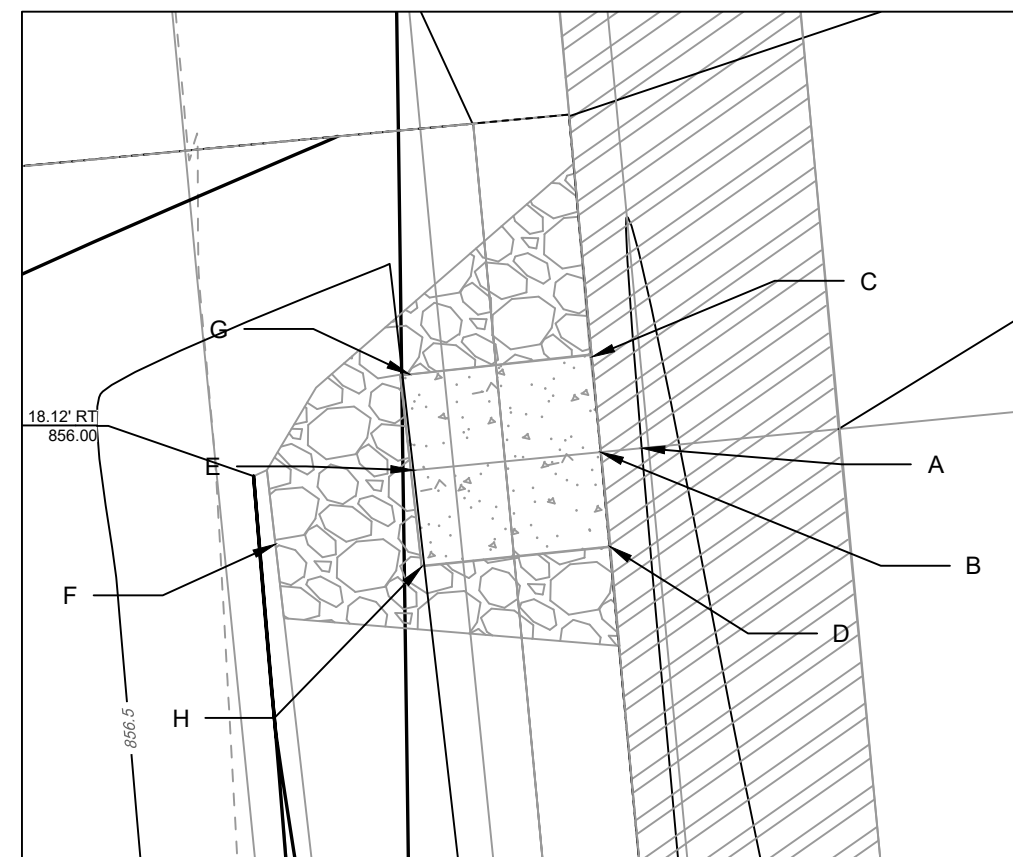
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 & MARGARET
 5317 Lake Mendota Dr

LAKE MENDOTA DR ALIGNMENT



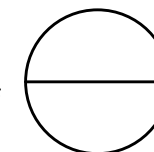
DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Distance from Existing FlowLine (ft)	Pond depth (inches)	Elevation
	Ex. EOG at CL of Flume	+0.125	6	856.61
A	Ex. Flow Line at CL of Flume	0		856.49
B	Pro. Gutter Flow Line at CL of Flume	-0.17		856.32
C	Edge of Flume @ Gutter (Uphill)	varies		856.50
D	Edge of Flume @ Gutter (Downhill)	varies		856.47
E	Bottom of Flume at CL	varies		856.15
F	Bottom of Stone/Pond	varies		855.99
G	Edge of Flume @ Bottom of Basin (Uphill)	varies		856.42
H	Edge of Flume @ Bottom of Basin (Downhill)	varies		856.38

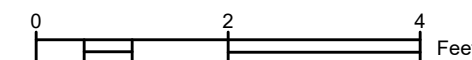


NOTES:

- ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS
- ALL AREAS OUTSIDE OF TOP OF BASIN SHALL RECEIVE TERRACE SEED MIX, DO NOT SEED WITHIN SIDE SLOPES OR BOTTOM OF BASIN.
- SEE DETAIL D-1 AND D-2.



CURB CUT/FLUME TYP. DETAIL



14083

MADISON, WI

8622

CONTRACT NO:

14083SWR-GI-5317 LMD

LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

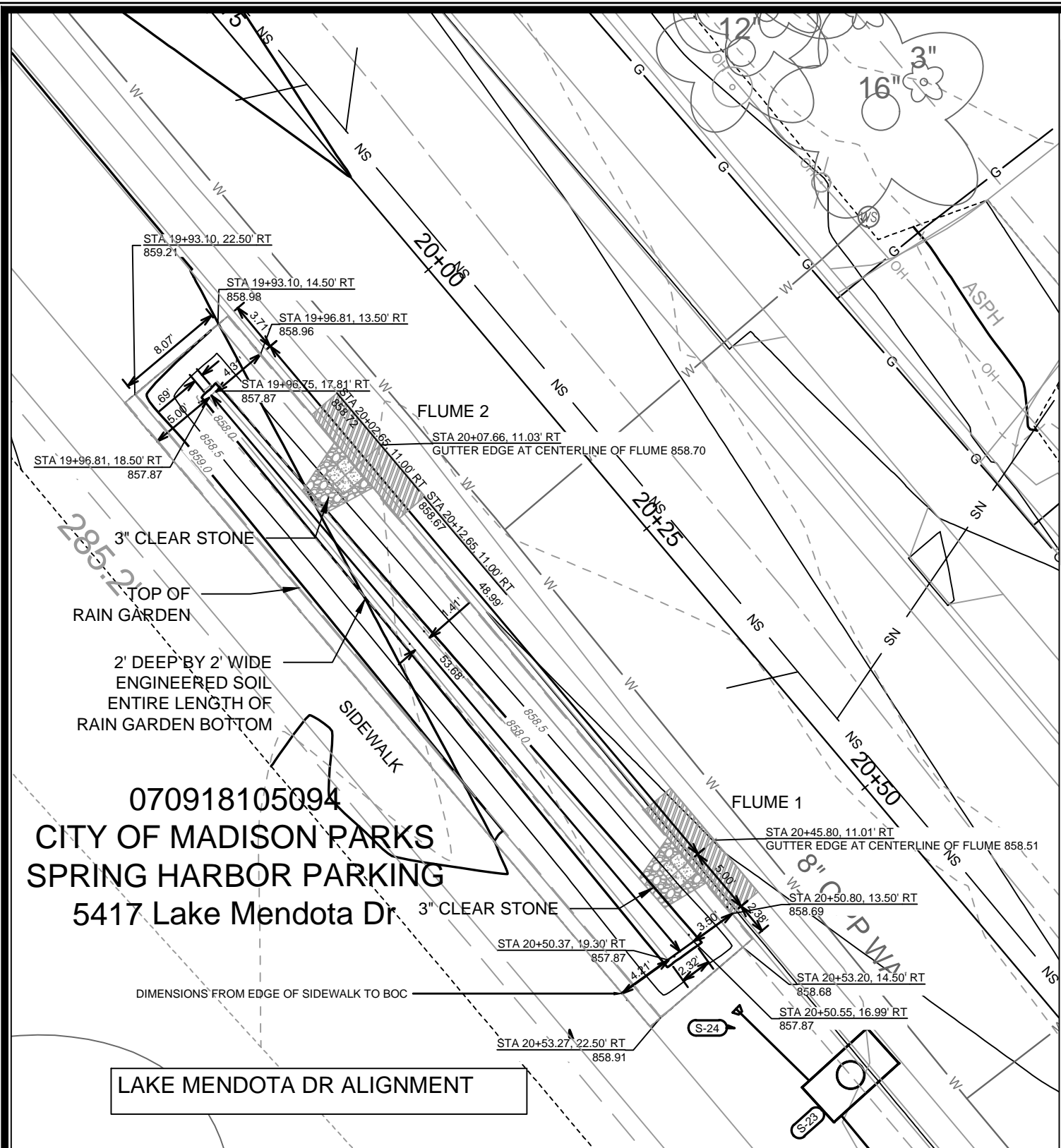
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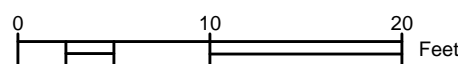
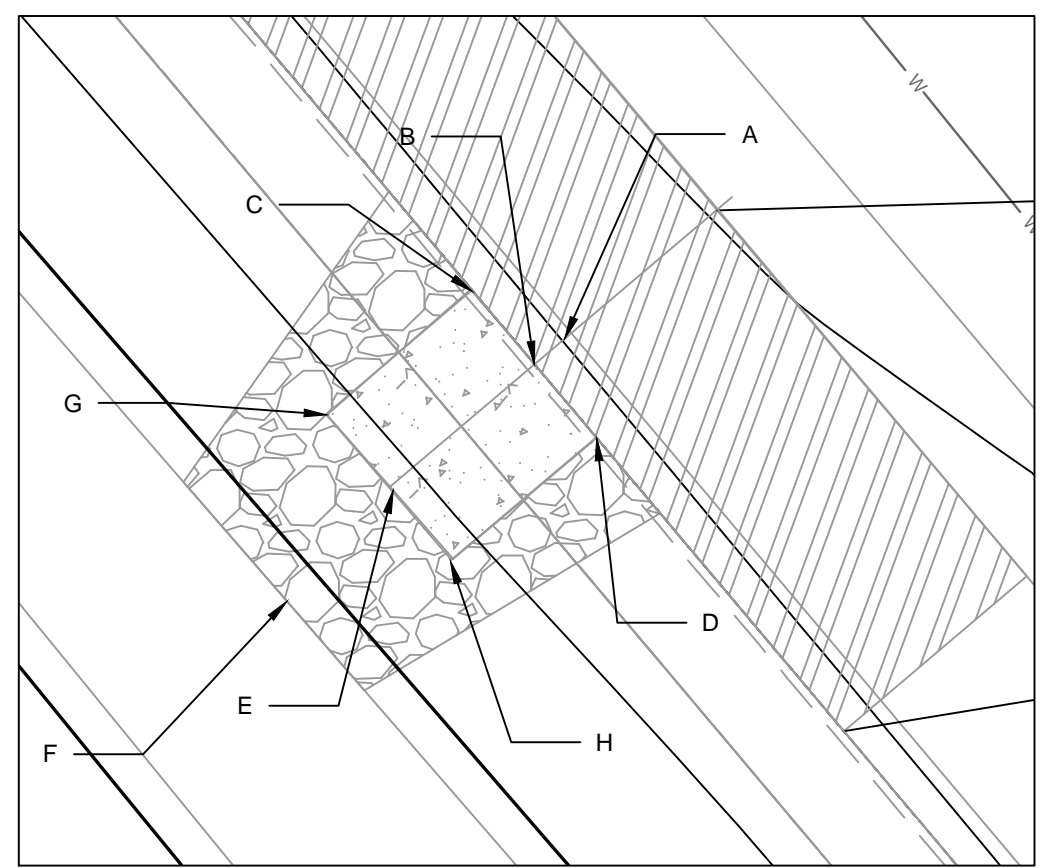
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NO.	DATE	BY
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DESIGNED BY	DATE	SCALE
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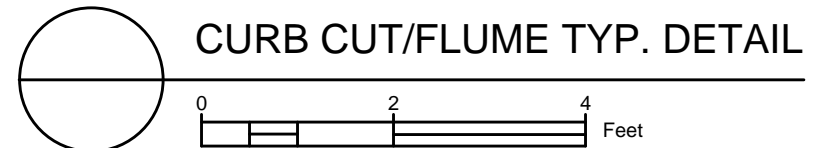


DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Distance from Existing FlowLine (ft)	Flume 1 Elevation	Flume 2 Elevation
		Pond depth (inches)	6	
		Distance from Existing FlowLine (ft)	Flume 1 Elevation	Flume 2 Elevation
	Ex. EOG at CL of Flume	+0.125	858.50	858.70
A	Ex. Flow Line at CL of Flume	0	858.38	858.58
B	Pro. Gutter Flow Line at CL of Flume	-0.17	858.21	858.41
C	Edge of Flume @ Gutter (Uphill)	varies	858.39	858.59
D	Edge of Flume @ Gutter (Downhill)	varies	858.37	858.56
E	Bottom of Flume at CL	varies	858.04	858.24
F	Bottom of Stone/Pond	varies	857.87	857.87
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	858.31	858.50
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	858.28	858.48



NOTES:
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 3. SEE DETAIL D-1 AND D-2.



14083SWR-GI - 5417 LMD
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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 MADISON, WI
 CONTRACT NO.: 8622

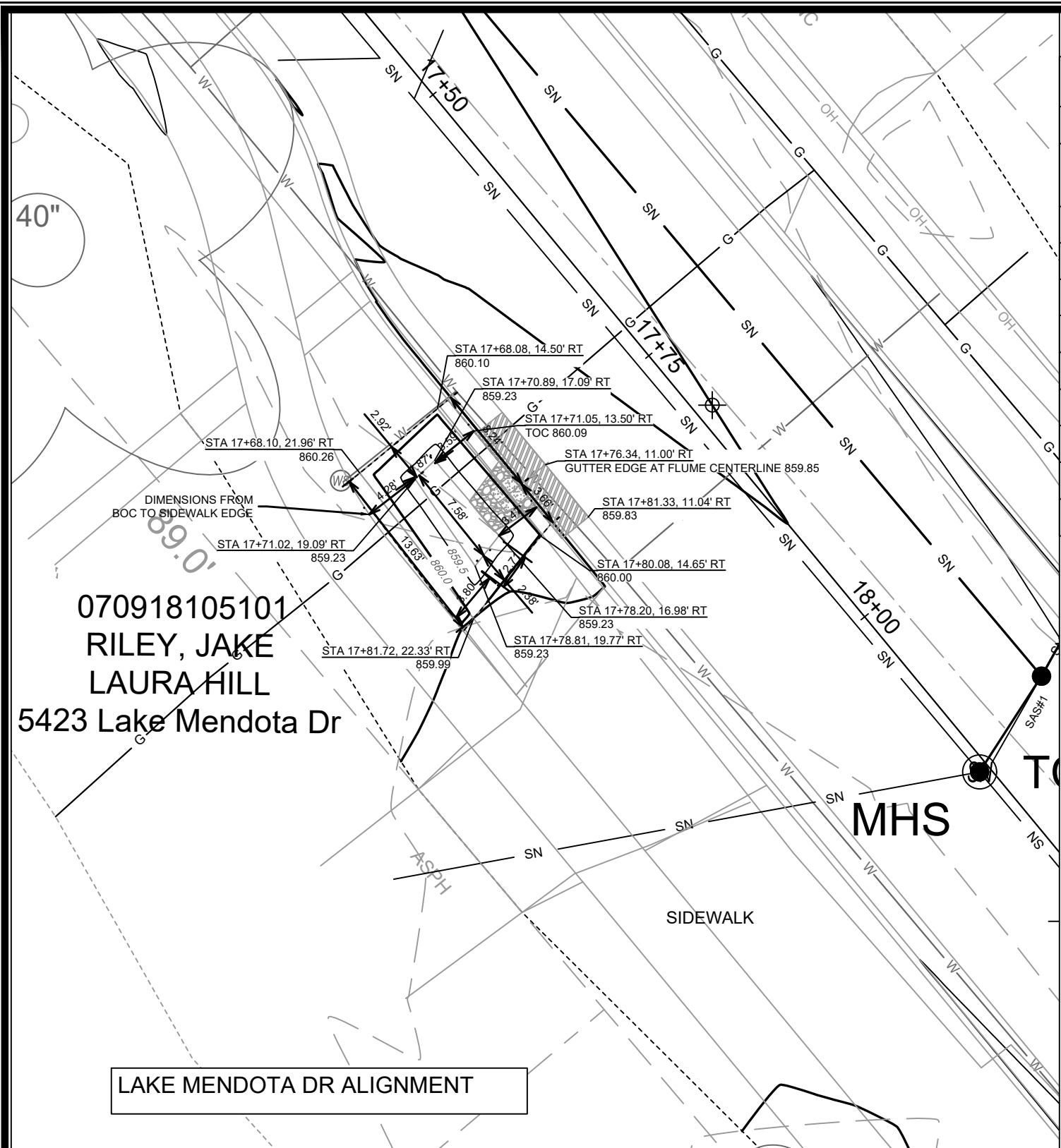
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 PGD
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REVISION
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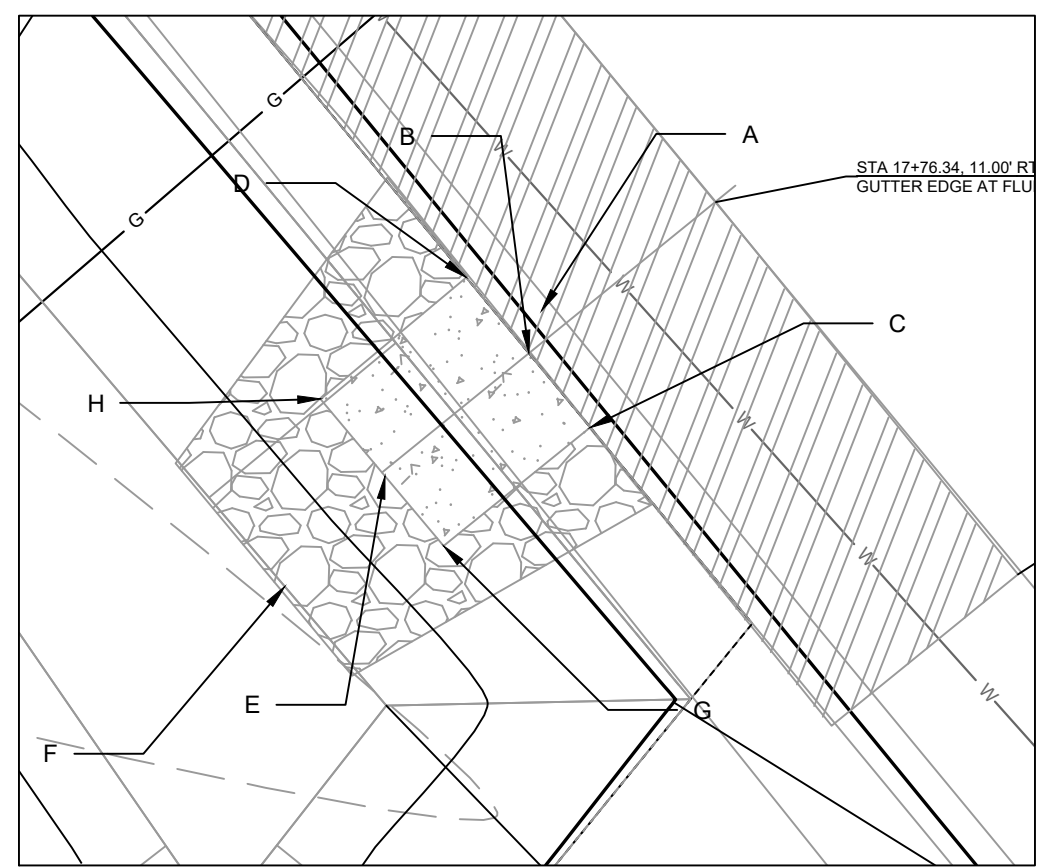


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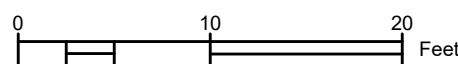
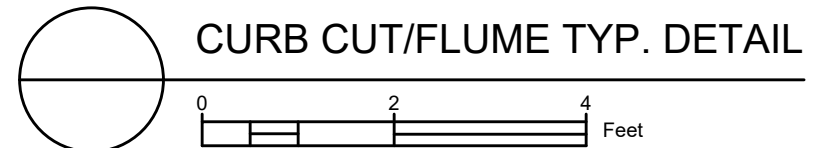


DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Distance from Existing FlowLine (ft)	Elevation
		Pond depth (inches)	6
		Distance from Existing FlowLine (ft)	Elevation
	Ex. EOG at CL of Flume	+0.125	859.85
A	Ex. Flow Line at CL of Flume	0	859.73
B	Pro. Gutter Flow Line at CL of Flume	-0.17	859.56
C	Edge of Flume @ Gutter (Uphill)	varies	859.74
D	Edge of Flume @ Gutter (Downhill)	varies	859.72
E	Bottom of Flume at CL	varies	859.39
F	Bottom of Stone/Pond	varies	859.23
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	859.66
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	859.63



NOTES:
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 3. SEE DETAIL D-1 AND D-2.



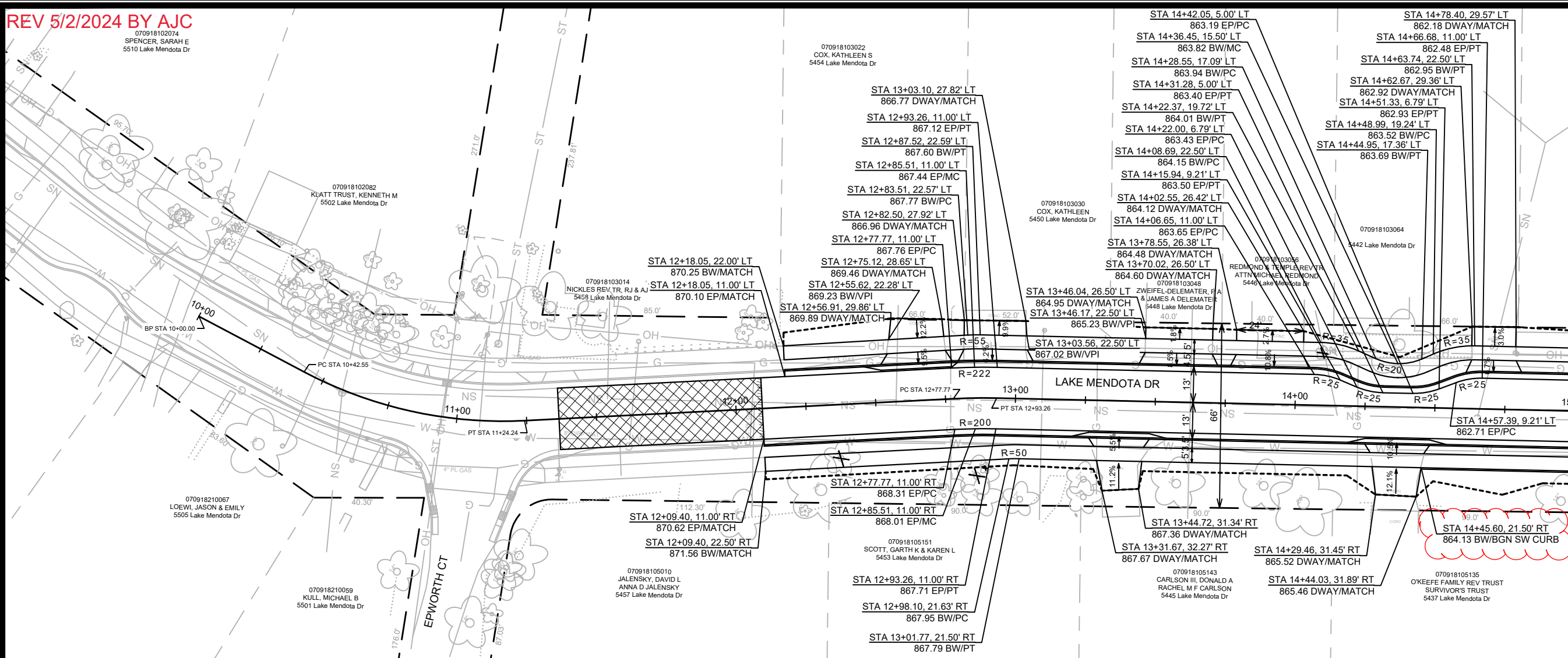
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 RILEY, JAKE
 LAURA HILL
 5423 Lake Mendota Dr

LAKE MENDOTA DR ALIGNMENT

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14083 GI-6					

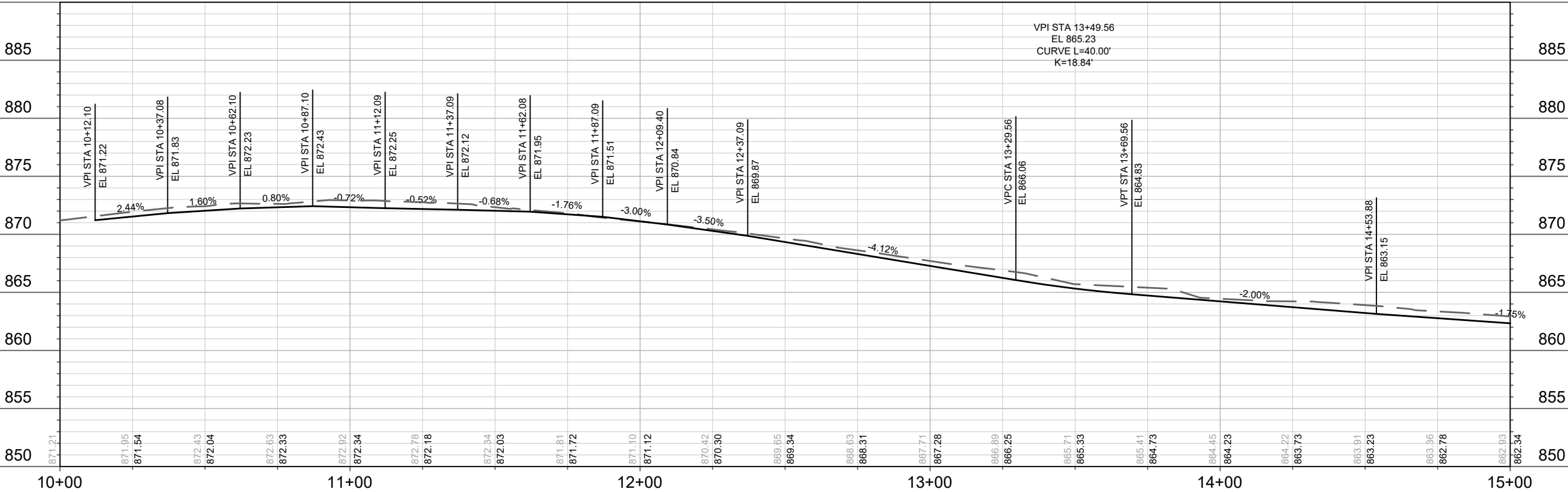
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SPENCER, SARAH E
5510 Lake Mendota Dr



MATCH LINE 15+00.00

890



10+00 11+00 12+00 13+00 14+00 15+00

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BY	AJC
REVISION	
MARK	
DESIGNED BY	AJC
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PROJECT NO.	14083

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MADISON, WI
8743
CONTRACT NO.

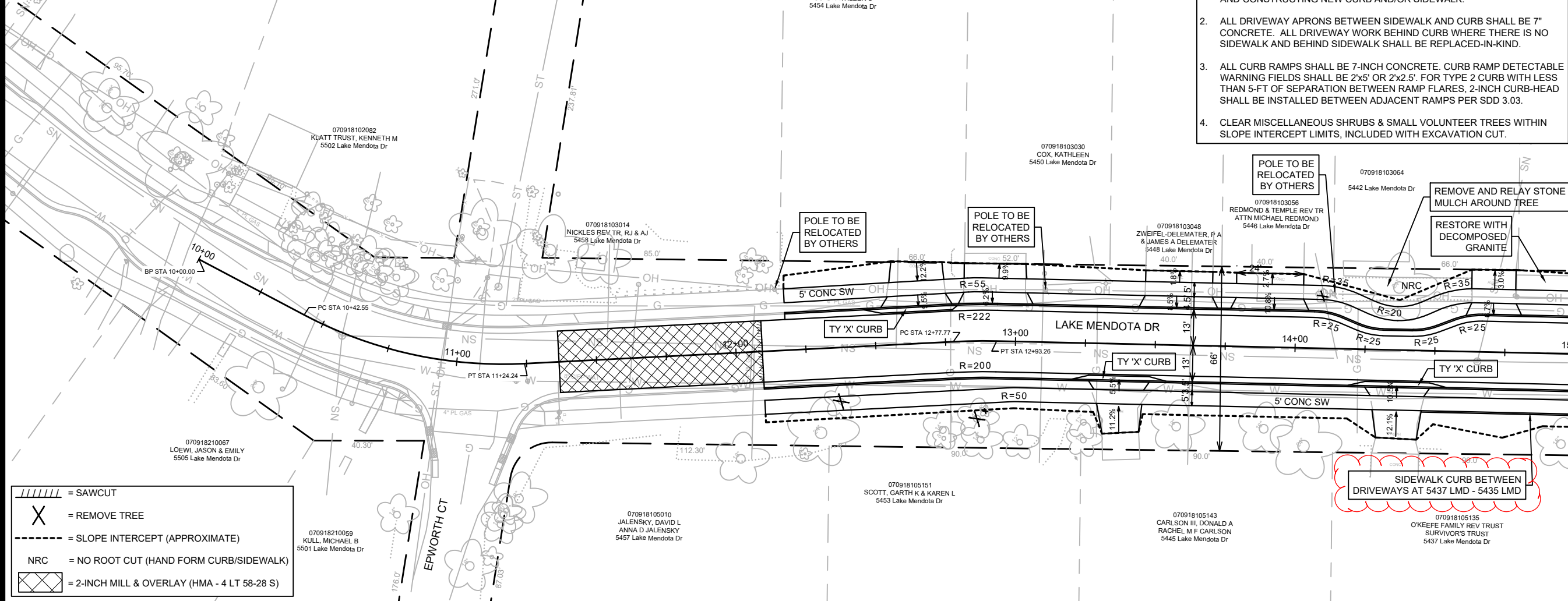
LAKE MENDOTA DRIVE - PLAN & PROFILE
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
P-1

REV 5/2/2024 BY AJC

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SPENCER, SARAH E
5510 Lake Mendota Dr



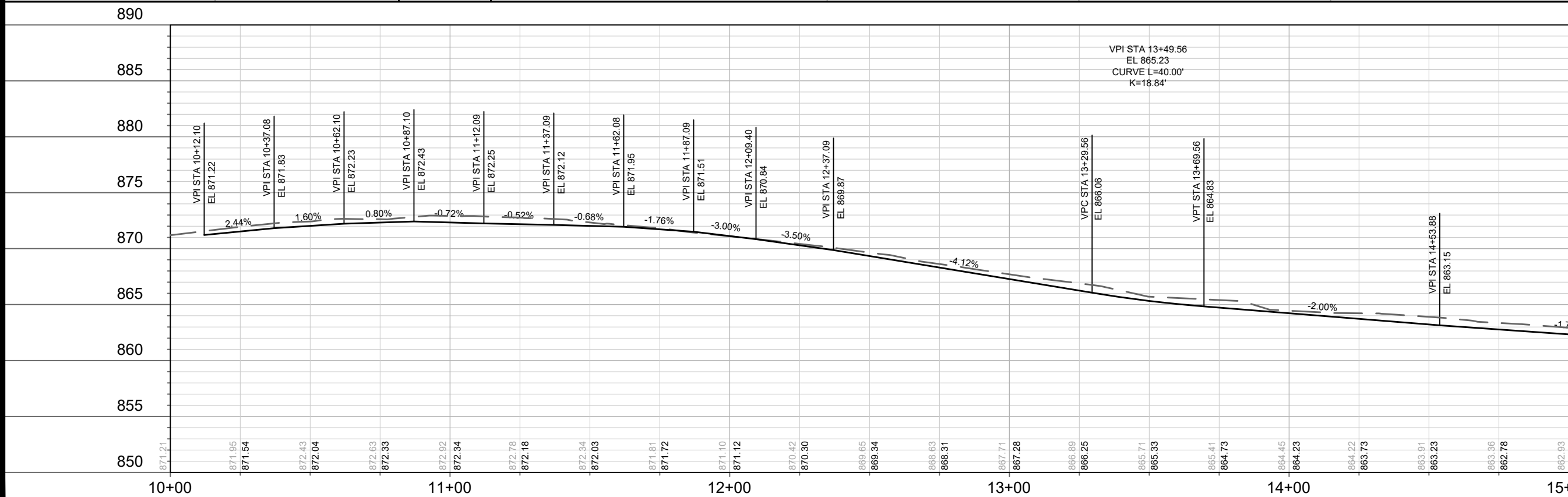
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X = REMOVE TREE

- - - = SLOPE INTERCEPT (APPROXIMATE)

NRC = NO ROOT CUT (HAND FORM CURB/SIDEWALK)

XXXX = 2-INCH MILL & OVERLAY (HMA - 4 LT 58-28 S)



NO.	DATE	BY
1	5/2/2024	AJC

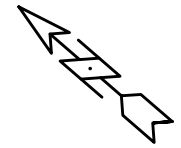
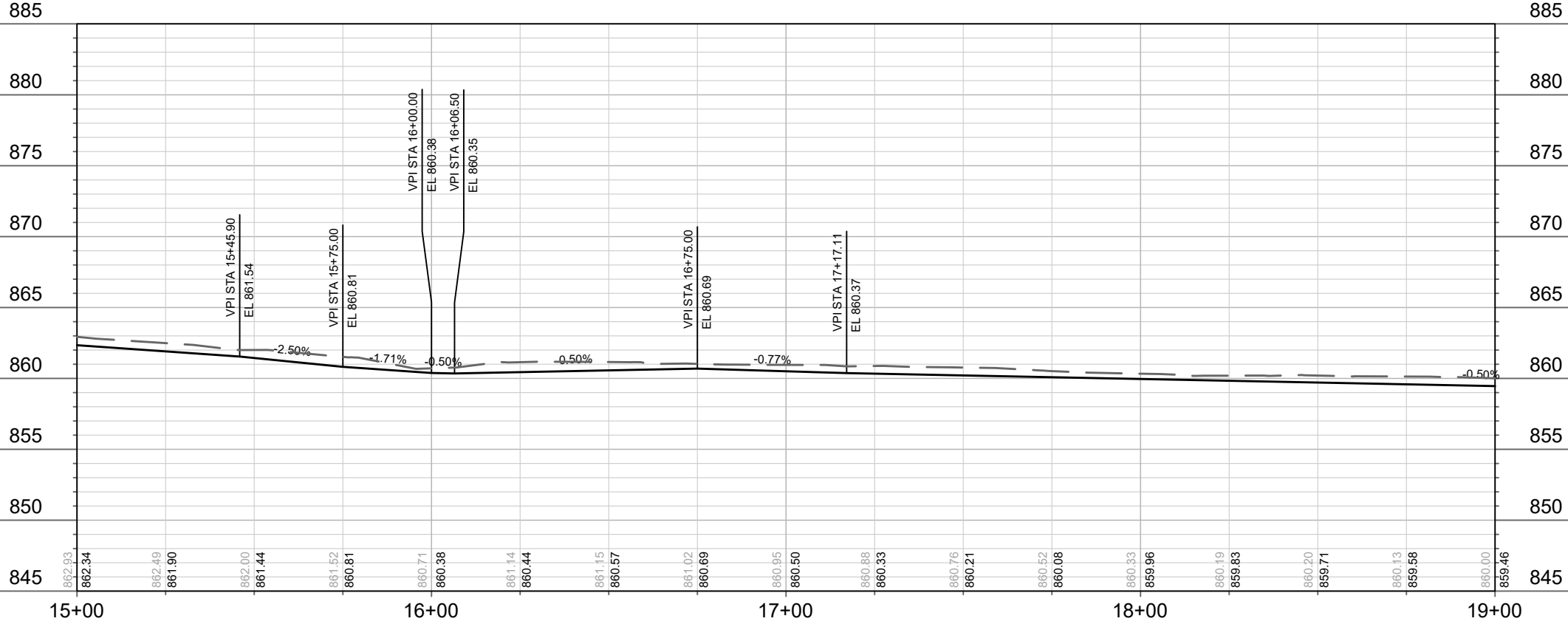
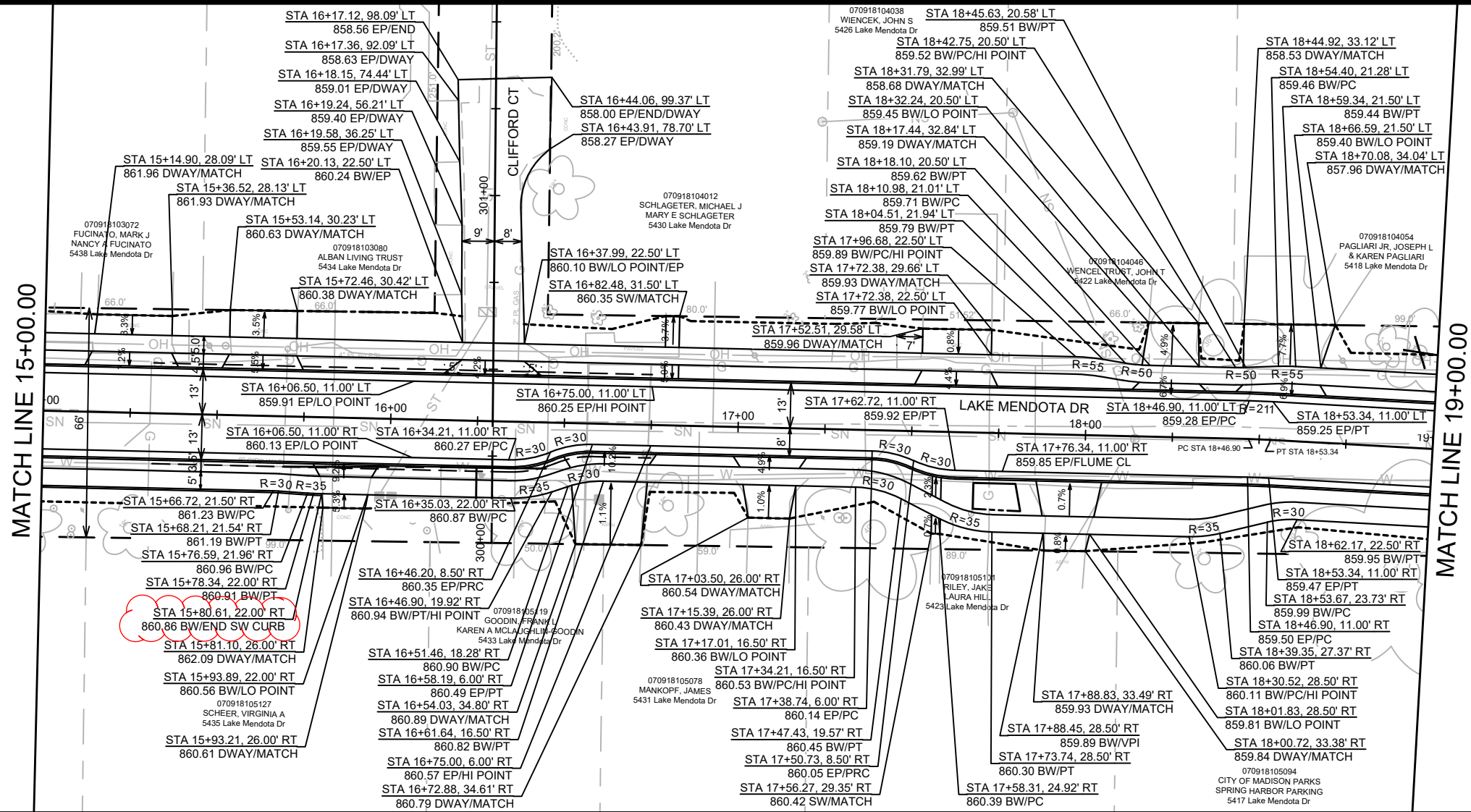
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MADISON, WI
CONTRACT NO: 8743

LAKE MENDOTA DRIVE - PLAN & PROFILE
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
P-1(+)

REV 5/2/2024 BY AJC



DATE	BY
5/2/2024	AJC
REVISION	
MARK	
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Contract No:	14083
Sheet:	P-2

14083
 MADISON, WI
 CONTRACT NO: 8743
 LAKE MENDOTA DRIVE - PLAN & PROFILE
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
 P-2

- NOTES:
1. PRECAUTION SHOULD BE TAKEN TO LIMIT SOIL DISTURBANCE BEHIND THE EXISTING CURB AROUND MATURE TREES WHILE REMOVING CURB AND CONSTRUCTING NEW CURB AND/OR SIDEWALK.
 2. ALL DRIVEWAY APRONS BETWEEN SIDEWALK AND CURB SHALL BE 7" CONCRETE. ALL DRIVEWAY WORK BEHIND CURB WHERE THERE IS NO SIDEWALK AND BEHIND SIDEWALK SHALL BE REPLACED-IN-KIND.
 3. ALL CURB RAMPS SHALL BE 7-INCH CONCRETE. CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'x5' OR 2'x2.5'. FOR TYPE 2 CURB WITH LESS THAN 5-FT OF SEPARATION BETWEEN RAMP FLARES, 2-INCH CURB-HEAD SHALL BE INSTALLED BETWEEN ADJACENT RAMPS PER SDD 3.03.
 4. CLEAR MISCELLANEOUS SHRUBS & SMALL VOLUNTEER TREES WITHIN SLOPE INTERCEPT LIMITS, INCLUDED WITH EXCAVATION CUT.

REV 5/2/2024 BY AJC

CLIFFORD CT - TYPICAL SECTION:
 3.5" HMA 4 LT 58-28 S
 6" GRADATION NO. 2 CBAC
 6" GRADATION NO. 1 CBAC
 (SEE CROSS SECTIONS)

RESTORE AREA 7-FT ADJACENT TO DRIVEWAY WITH DECOMPOSED GRANITE

RESTORE REMAINING GRAVEL AREA WITH TOPSOIL, SEED AND MAT

POLE TO BE RELOCATED BY OTHERS

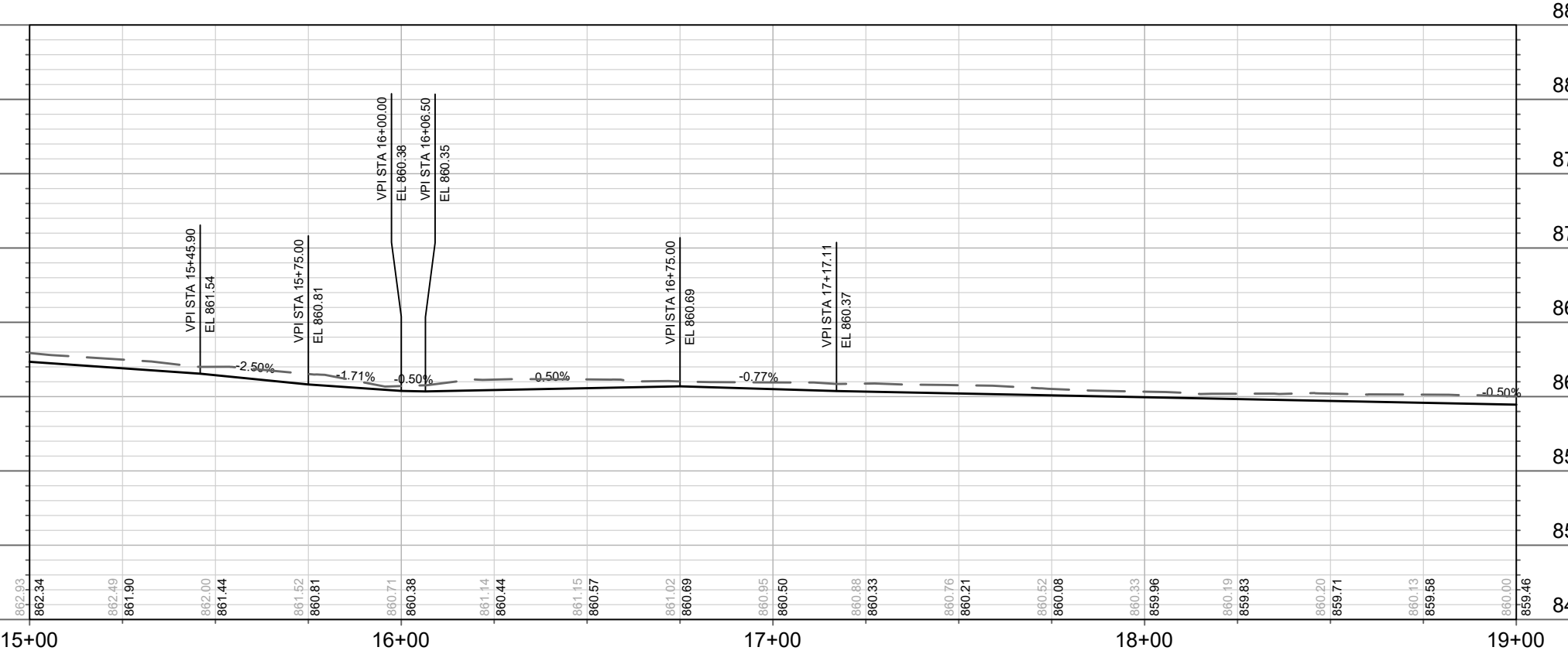
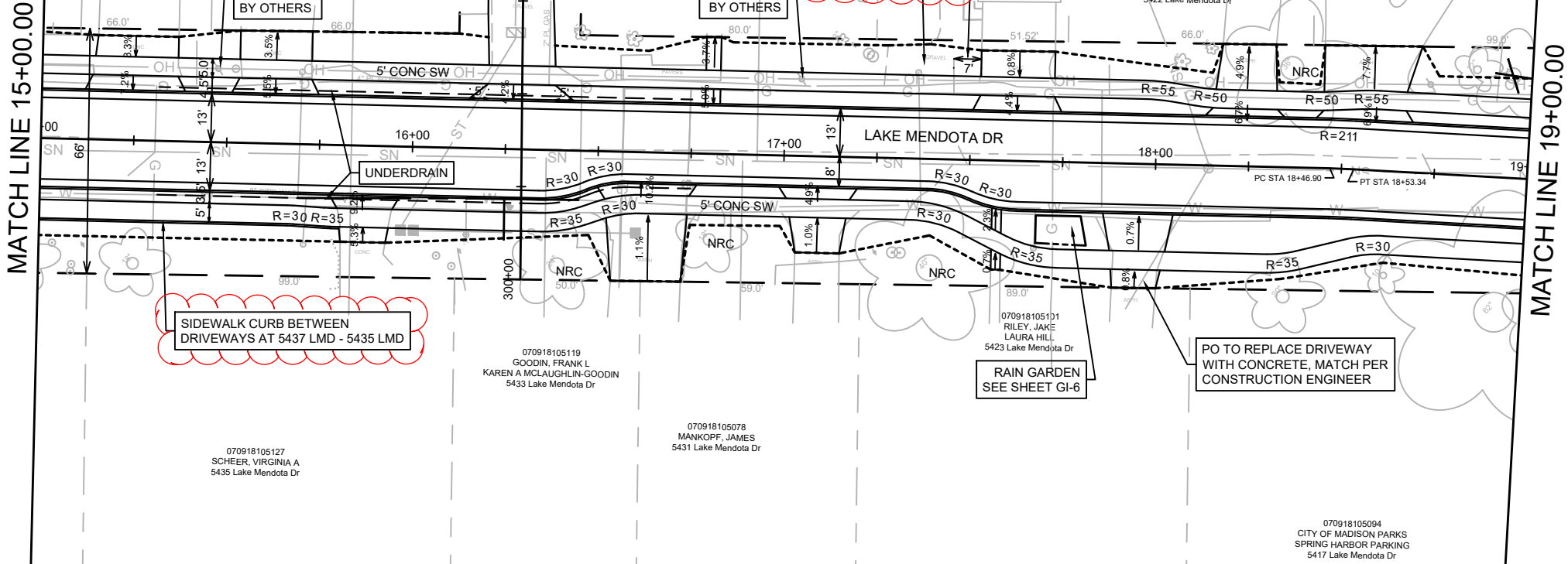
POLE TO BE RELOCATED BY OTHERS

SIDEWALK CURB BETWEEN DRIVEWAYS AT 5437 LMD - 5435 LMD

RAIN GARDEN SEE SHEET GI-6

PO TO REPLACE DRIVEWAY WITH CONCRETE, MATCH PER CONSTRUCTION ENGINEER

- ////// = SAWCUT
- X = REMOVE TREE
- - - - = SLOPE INTERCEPT (APPROXIMATE)
- NRC = NO ROOT CUT (HAND FORM CURB/SIDEWALK)



NO.	DATE	BY

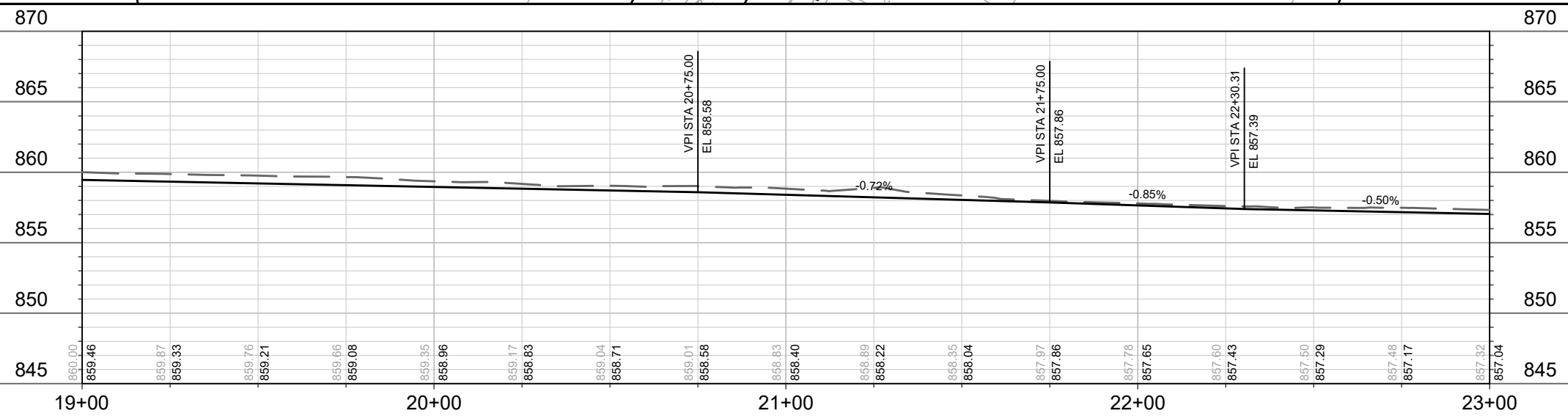
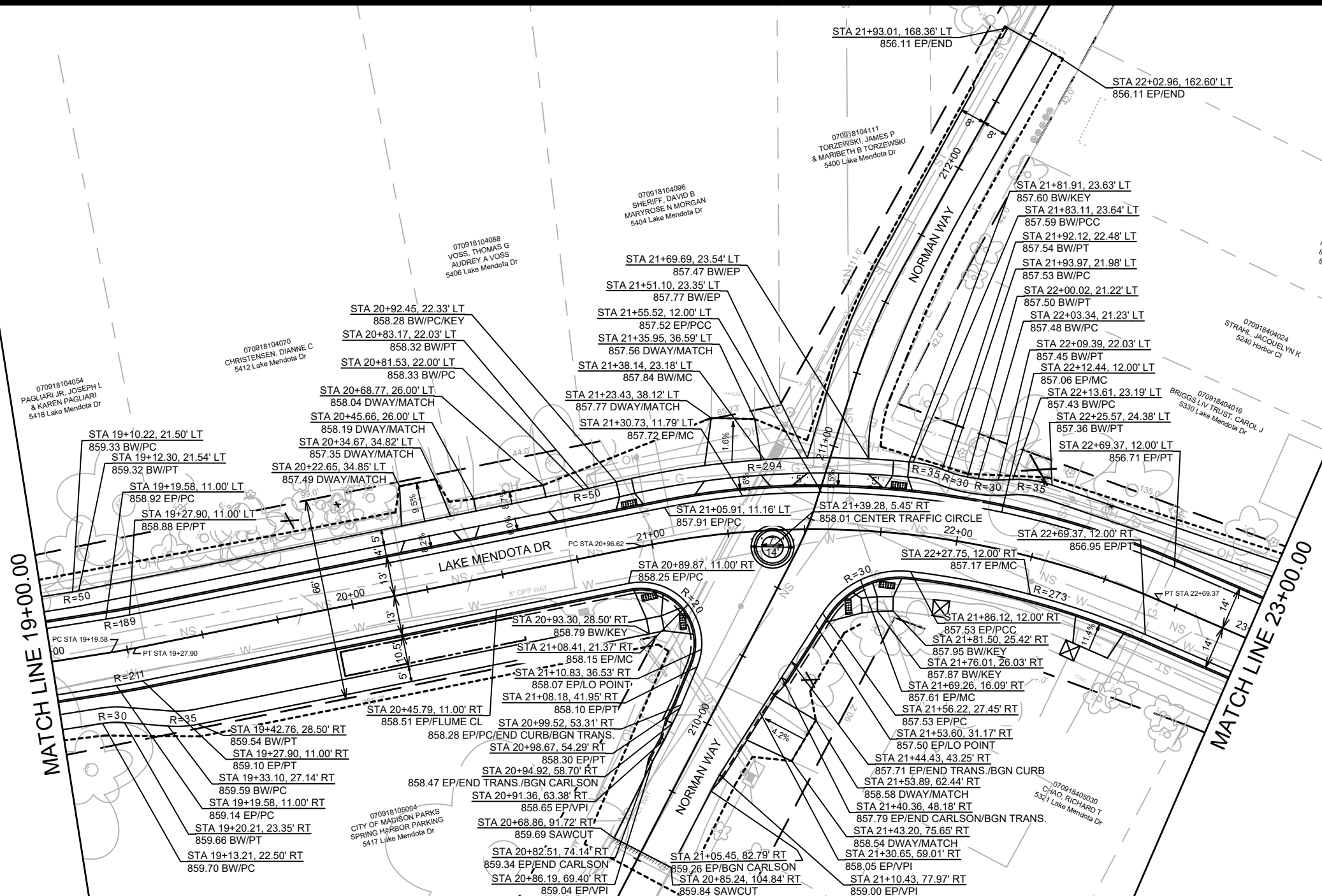
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 MADISON, WI
 8743
 CONTRACT NO:

LAKE MENDOTA DRIVE - PLAN & PROFILE
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
 P-2(+)

REV 5/2/2024 BY AJC
BASEMAP UPDATES



14083
MADISON, WI
CONTRACT NO: 8743

LAKE MENDOTA DRIVE - PLAN & PROFILE
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

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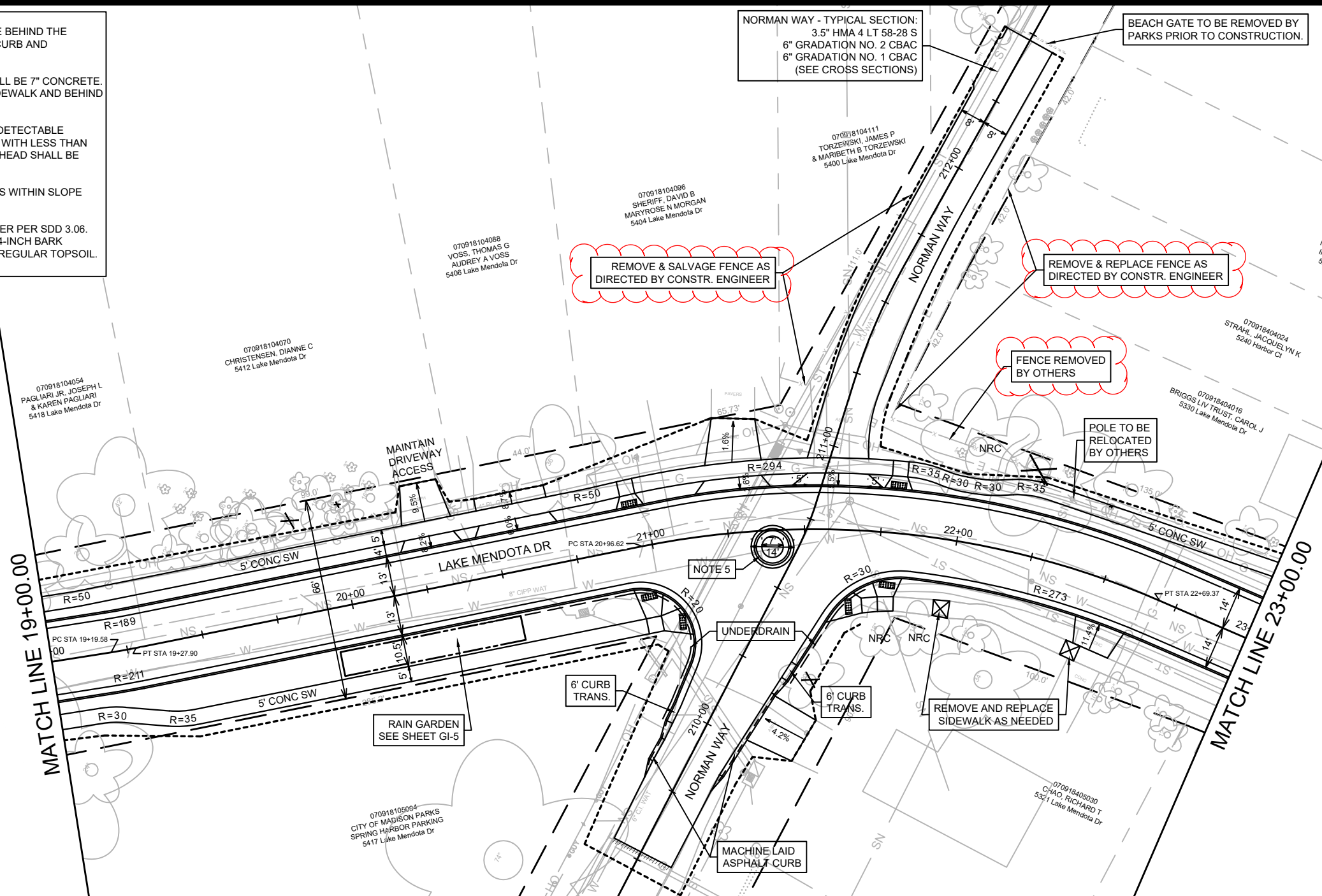
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NO.	DATE	BY
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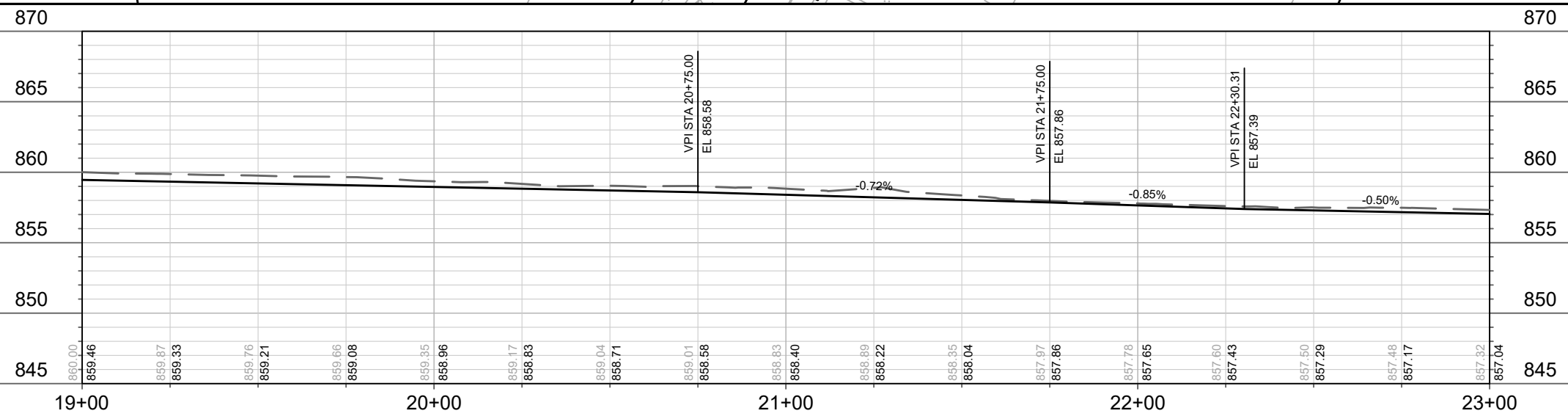
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- NOTES:
1. PRECAUTION SHOULD BE TAKEN TO LIMIT SOIL DISTURBANCE BEHIND THE EXISTING CURB AROUND MATURE TREES WHILE REMOVING CURB AND CONSTRUCTING NEW CURB AND/OR SIDEWALK.
 2. ALL DRIVEWAY APRONS BETWEEN SIDEWALK AND CURB SHALL BE 7" CONCRETE. ALL DRIVEWAY WORK BEHIND CURB WHERE THERE IS NO SIDEWALK AND BEHIND SIDEWALK SHALL BE REPLACED-IN-KIND.
 3. ALL CURB RAMPS SHALL BE 7-INCH CONCRETE. CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'x5' OR 2'x2.5'. FOR TYPE 2 CURB WITH LESS THAN 5-FT OF SEPARATION BETWEEN RAMP FLARES, 2-INCH CURB-HEAD SHALL BE INSTALLED BETWEEN ADJACENT RAMPS PER SDD 3.03.
 4. CLEAR MISCELLANEOUS SHRUBS & SMALL VOLUNTEER TREES WITHIN SLOPE INTERCEPT LIMITS, INCLUDED WITH EXCAVATION CUT.
 5. TRAFFIC CIRCLE WITH MOUNTABLE CONCRETE CURB & GUTTER PER SDD 3.06. RESTORE 7-FT DIAMETER CENTER OF TRAFFIC CIRCLE WITH 4-INCH BARK MULCH; OVER 6-INCH PLANTING MIX TOPSOIL; OVER 12-INCH REGULAR TOPSOIL. PLANTING BY OTHERS.

REV 5/2/2024 BY AJC
BASEMAP UPDATES



- //// = SAWCUT
- X = REMOVE TREE
- - - = SLOPE INTERCEPT (APPROXIMATE)
- NRC = NO ROOT CUT (HAND FORM CURB/SIDEWALK)



NO.	DATE	BY

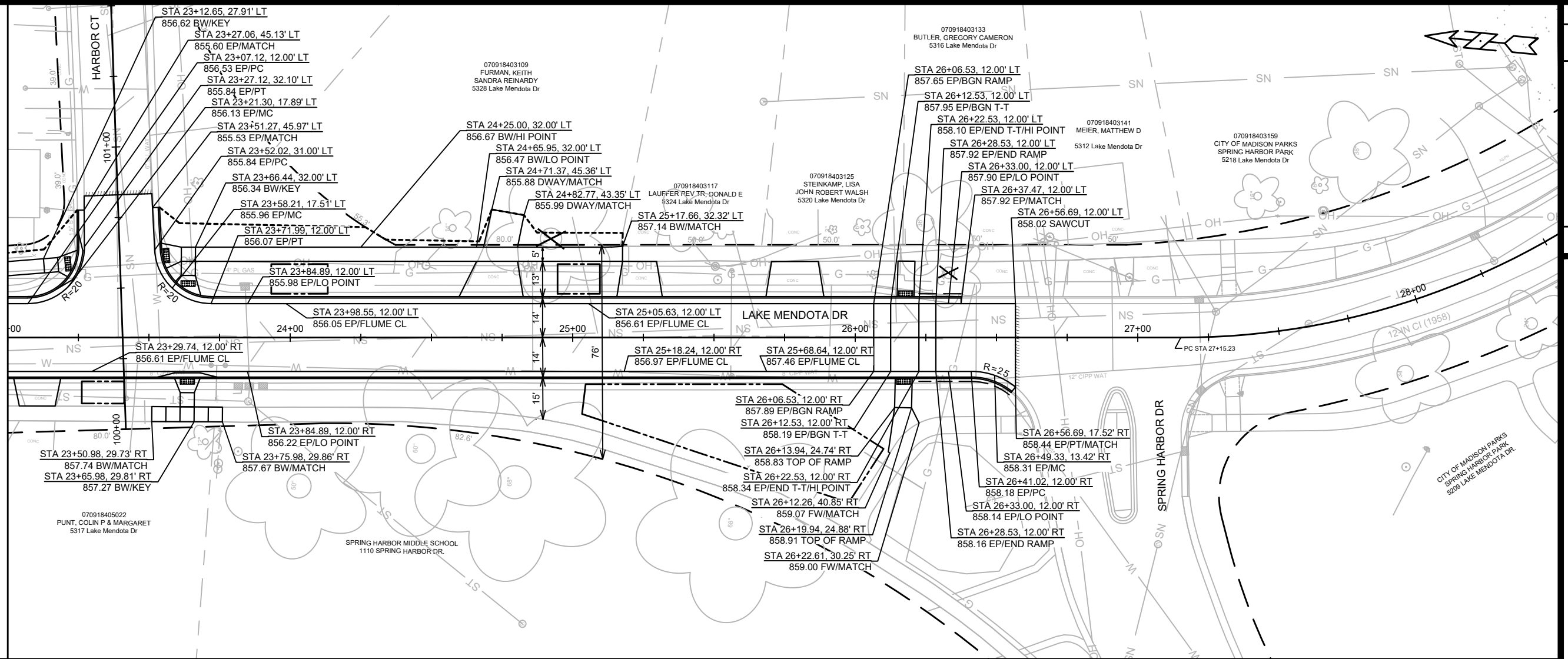
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MADISON, WI
8743
CONTRACT NO:

LAKE MENDOTA DRIVE - PLAN & PROFILE
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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P-3(+)

MATCH LINE 23+00.00



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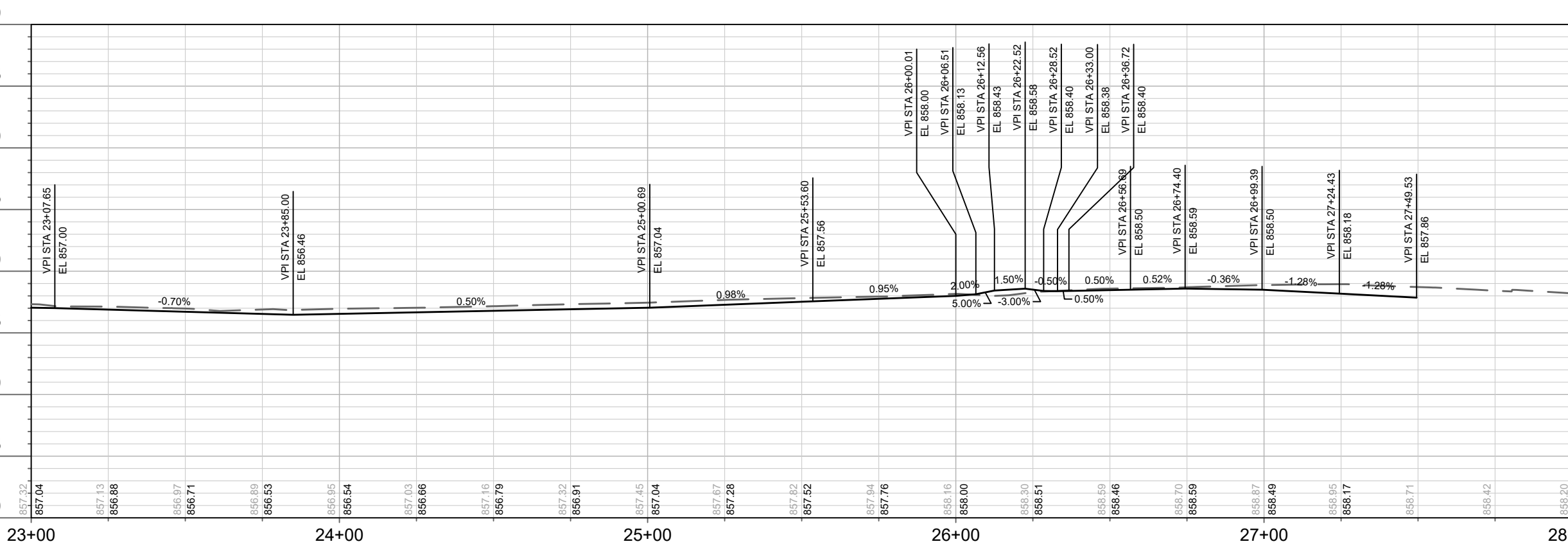
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23+00

24+00

25+00

26+00

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28+00

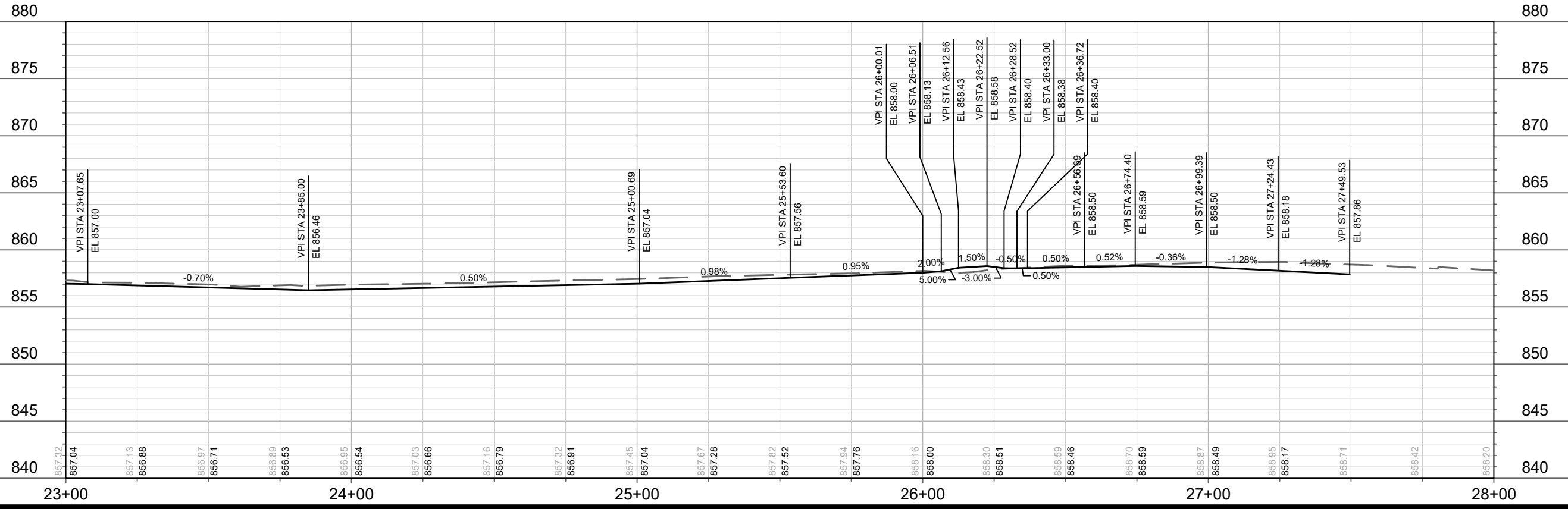
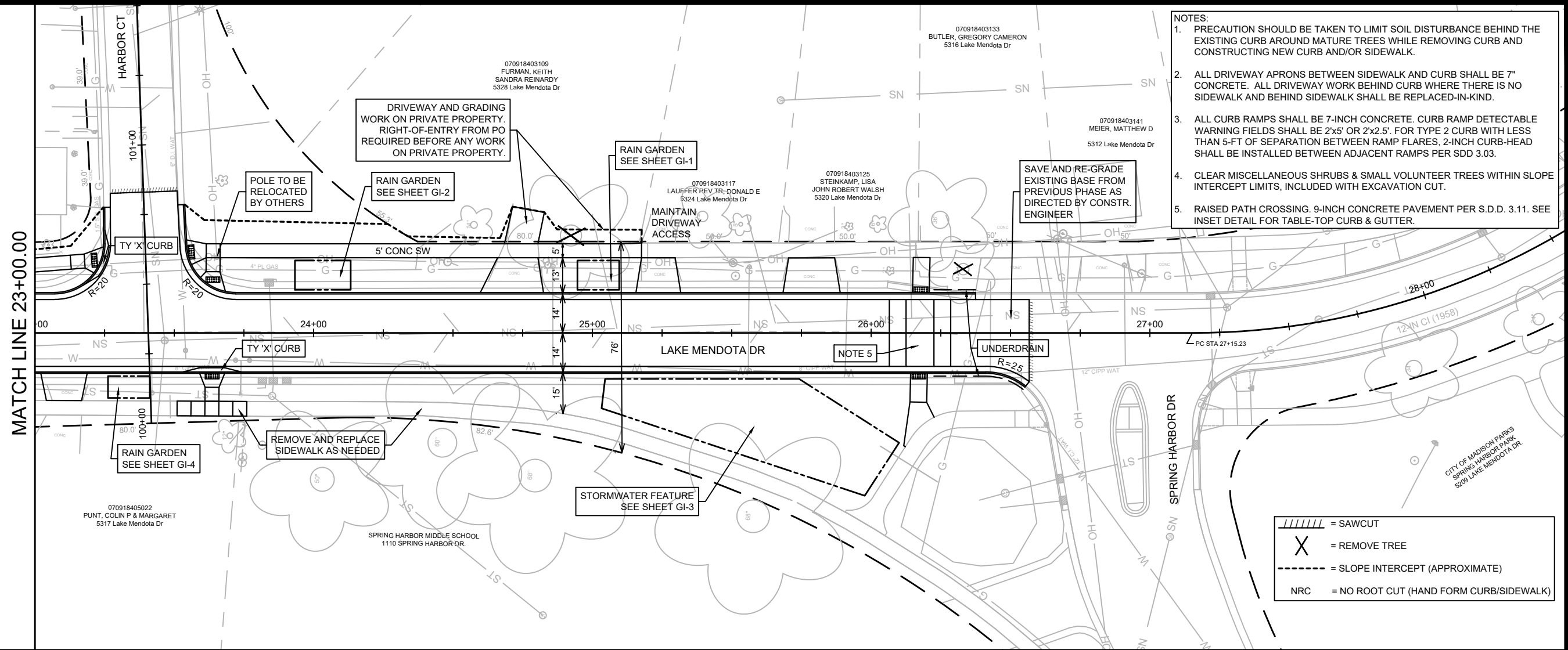
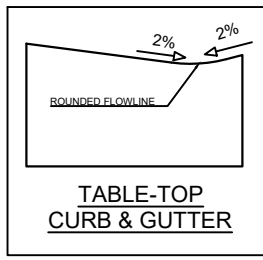
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PROJECT ADDRESS	14083
PROJECT CITY	MADISON, WI
PROJECT STATE	WI
PROJECT ZIP	
PROJECT COUNTY	
PROJECT DISTRICT	
PROJECT SHEET	P-4

14083
MADISON, WI
CONTRACT NO: 8743

LAKE MENDOTA DRIVE - PLAN & PROFILE
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
P-4



- NOTES:**
- PRECAUTION SHOULD BE TAKEN TO LIMIT SOIL DISTURBANCE BEHIND THE EXISTING CURB AROUND MATURE TREES WHILE REMOVING CURB AND CONSTRUCTING NEW CURB AND/OR SIDEWALK.
 - ALL DRIVEWAY APRONS BETWEEN SIDEWALK AND CURB SHALL BE 7" CONCRETE. ALL DRIVEWAY WORK BEHIND CURB WHERE THERE IS NO SIDEWALK AND BEHIND SIDEWALK SHALL BE REPLACED-IN-KIND.
 - ALL CURB RAMPS SHALL BE 7-INCH CONCRETE. CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'x5' OR 2'x2.5'. FOR TYPE 2 CURB WITH LESS THAN 5-FT OF SEPARATION BETWEEN RAMP FLARES, 2-INCH CURB-HEAD SHALL BE INSTALLED BETWEEN ADJACENT RAMPS PER SDD 3.03.
 - CLEAR MISCELLANEOUS SHRUBS & SMALL VOLUNTEER TREES WITHIN SLOPE INTERCEPT LIMITS, INCLUDED WITH EXCAVATION CUT.
 - RAISED PATH CROSSING. 9-INCH CONCRETE PAVEMENT PER S.D.D. 3.11. SEE INSET DETAIL FOR TABLE-TOP CURB & GUTTER.

MARK	REVISION	DATE	BY

Scale: 1" = 40'

Designed By: AUC

Date: 2/27/2024 12:48 PM

14083

14083

MADISON, WI

8743

CONTRACT NO:

LAKE MENDOTA DRIVE - PLAN & PROFILE

LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

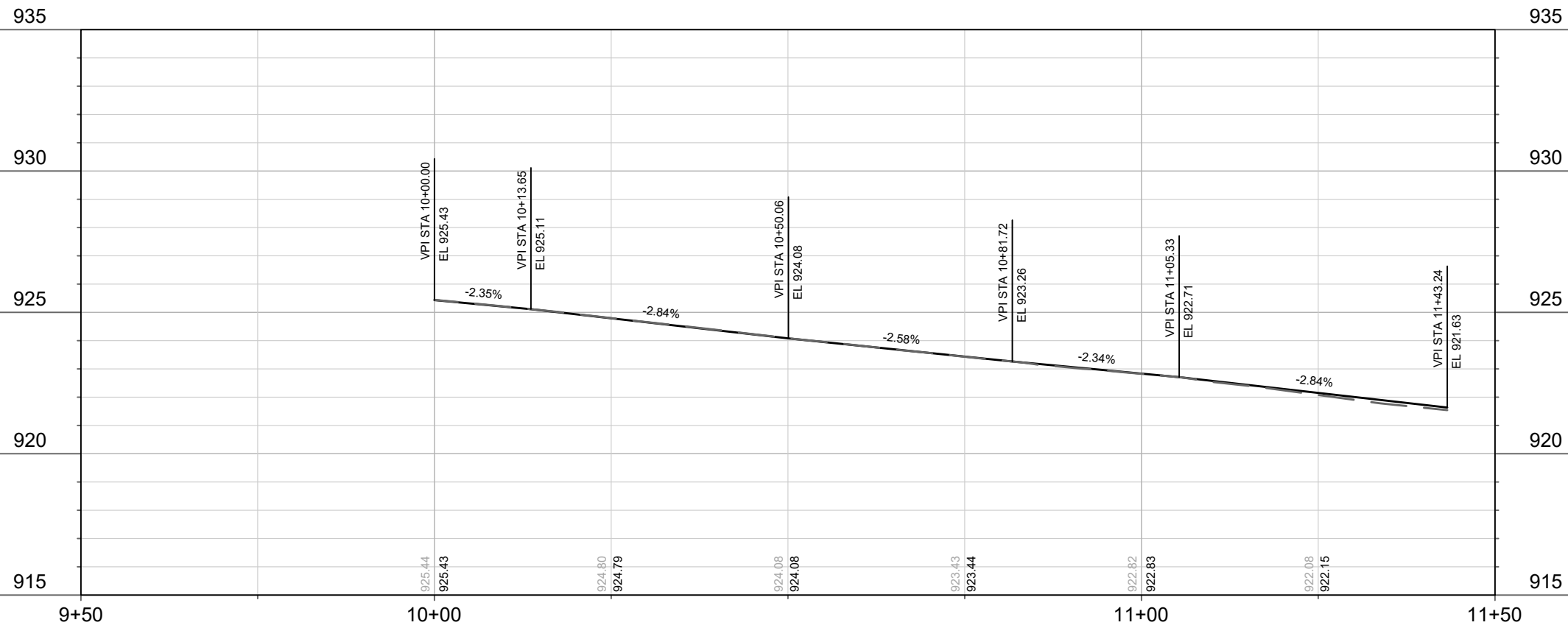
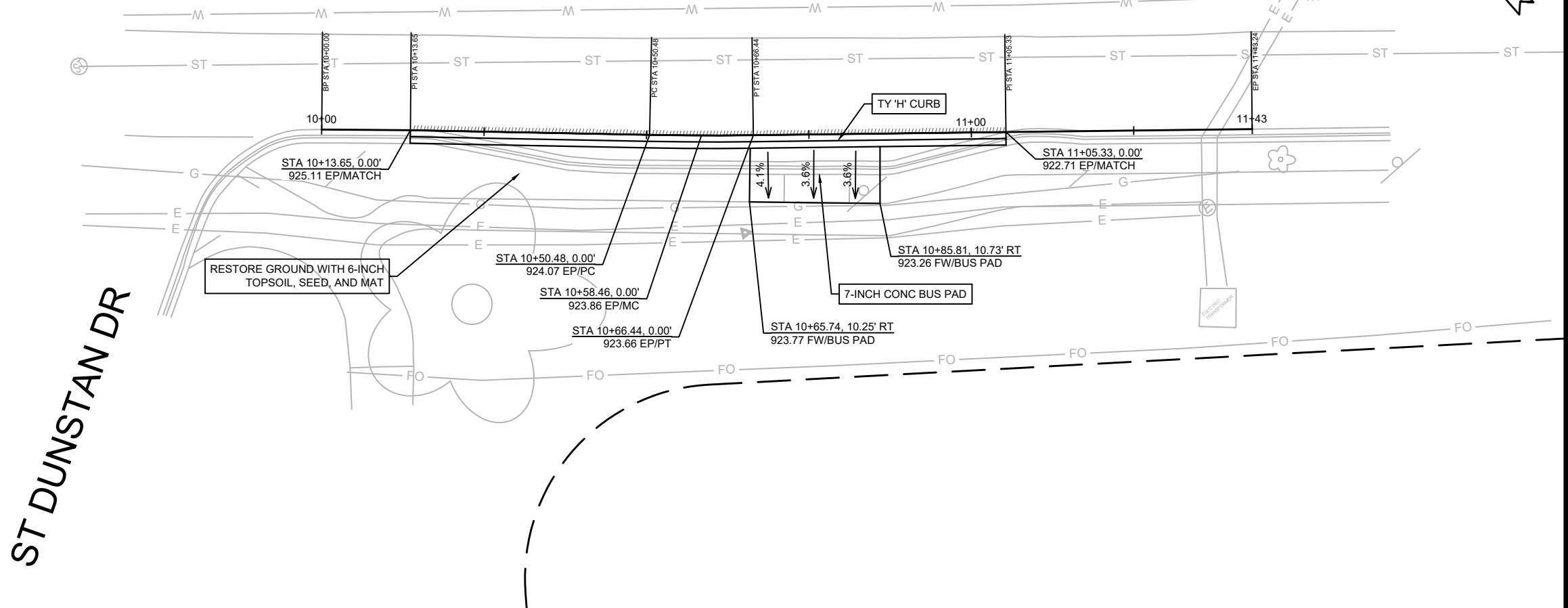
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P-4(+)

REV 5/2/2024 BY AJC
 UPDATED SHEET W/GRADES

UNIVERSITY AVE - EASTBOUND



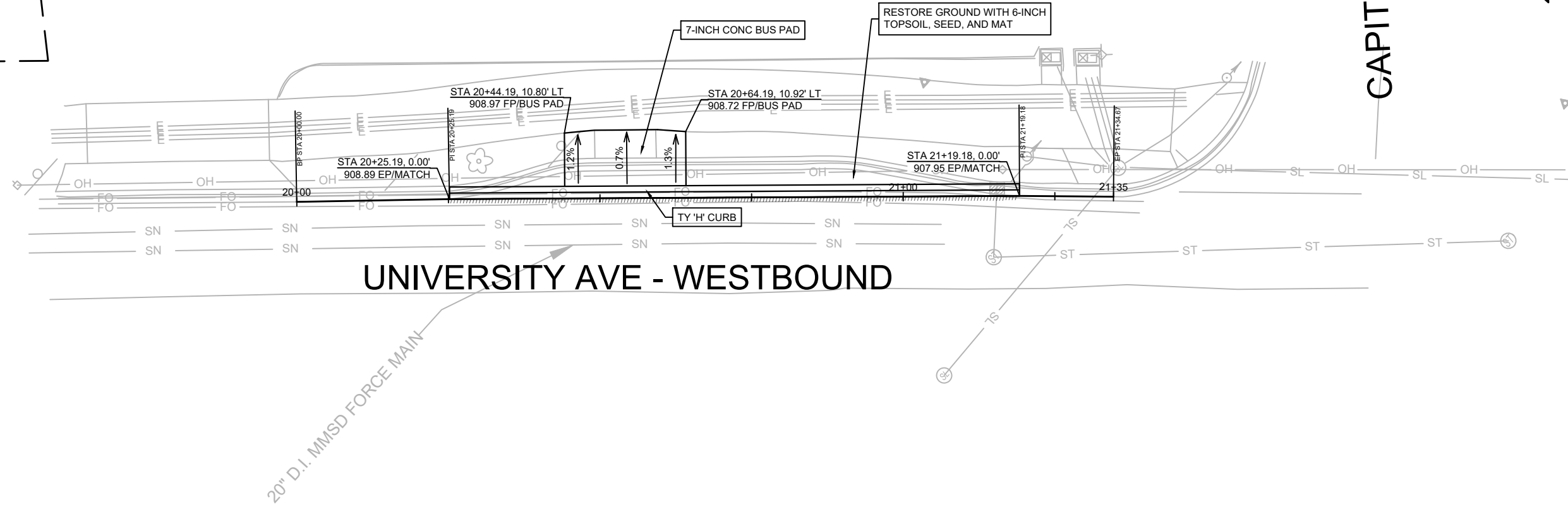
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 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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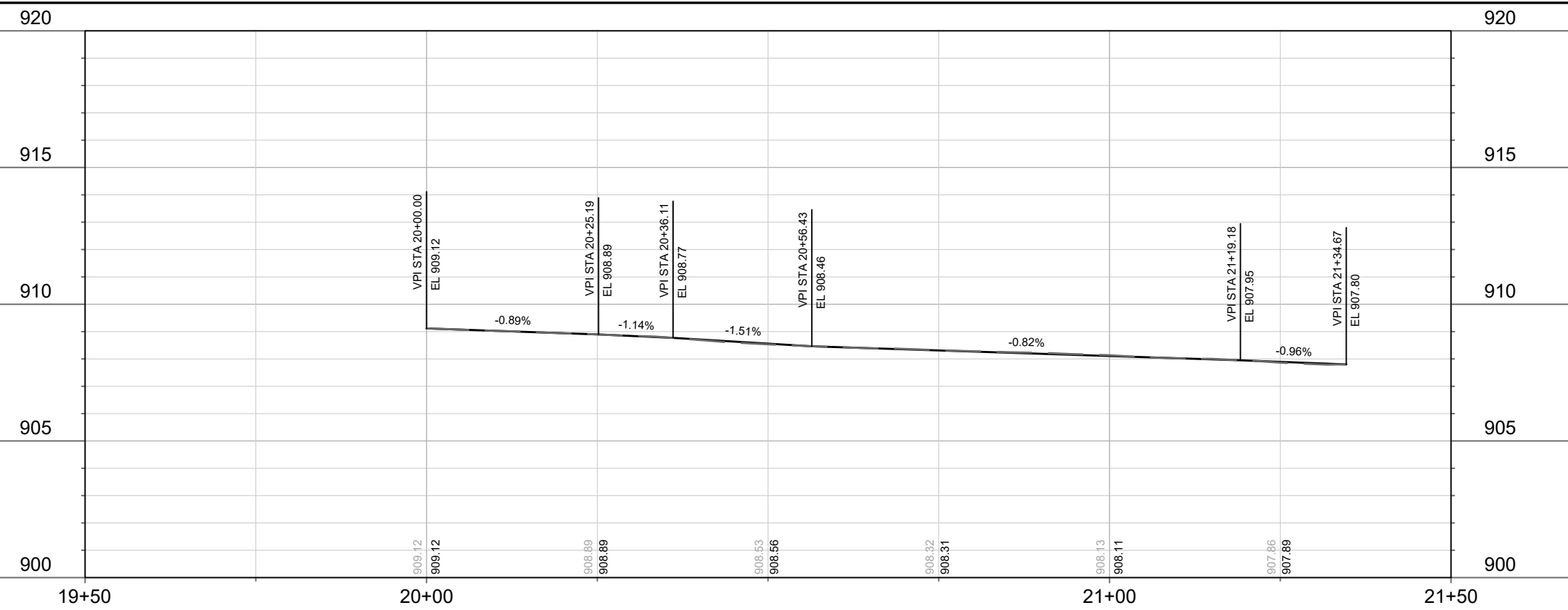
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 UPDATED SHEET W/GRADES



CAPITAL AVE

UNIVERSITY AVE - WESTBOUND

20" D.I. MMSD FORCE MAIN



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 MADISON, WI
 CONTRACT NO: 8743
 UNIVERSITY AVE @ CAPITAL AVE - BUS PULLOUT REMOVAL
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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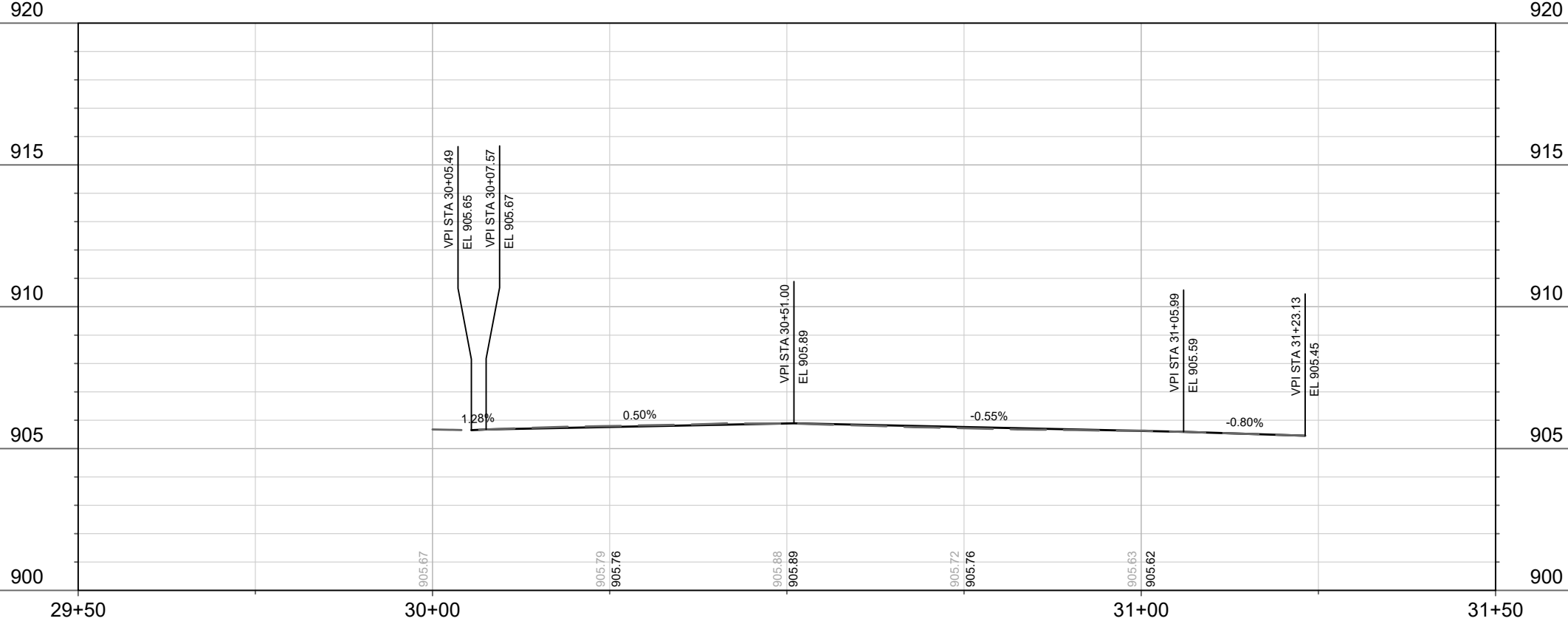
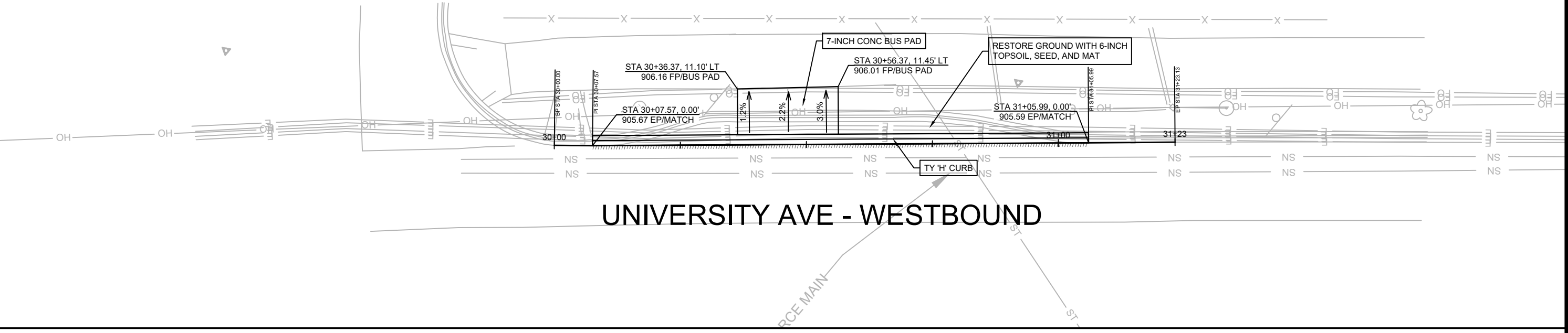
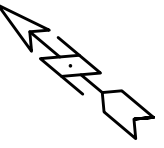


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 P-6

REV 5/2/2024 BY AJC
 UPDATED SHEET W/GRADES

NORMAN WAY

UNIVERSITY AVE - WESTBOUND



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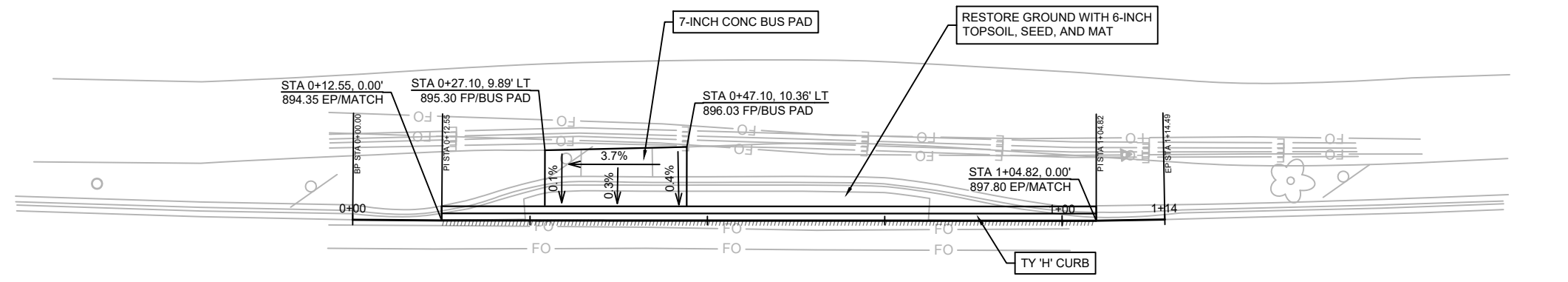
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 CONTRACT NO: 8743
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 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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 P-7

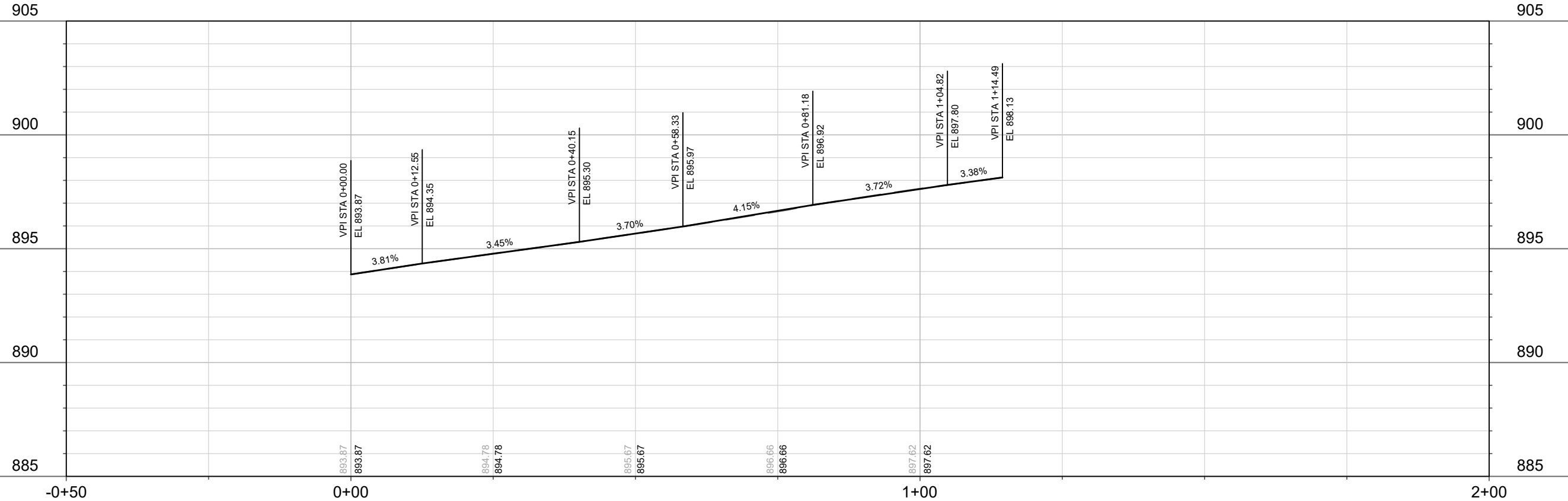
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REVISION	DATE
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14083	Scale: 1" = 20'
P-8	



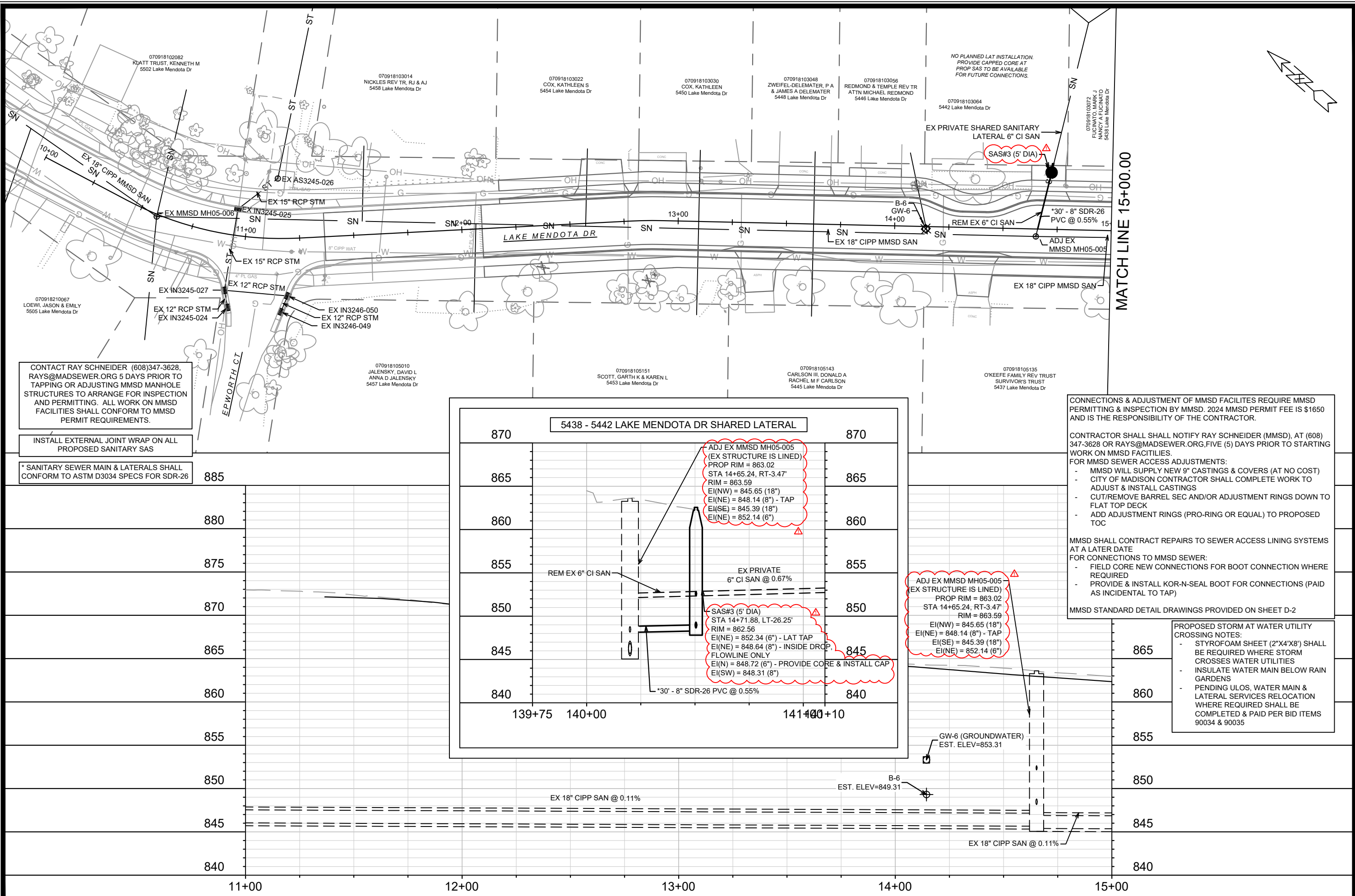
UNIVERSITY AVE - WESTBOUND



UNIVERSITY AVE @ N WHITNEY WAY - BUS PULLOUT REMOVAL
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
 CONTRACT NO: 8743
 14083
 P-8



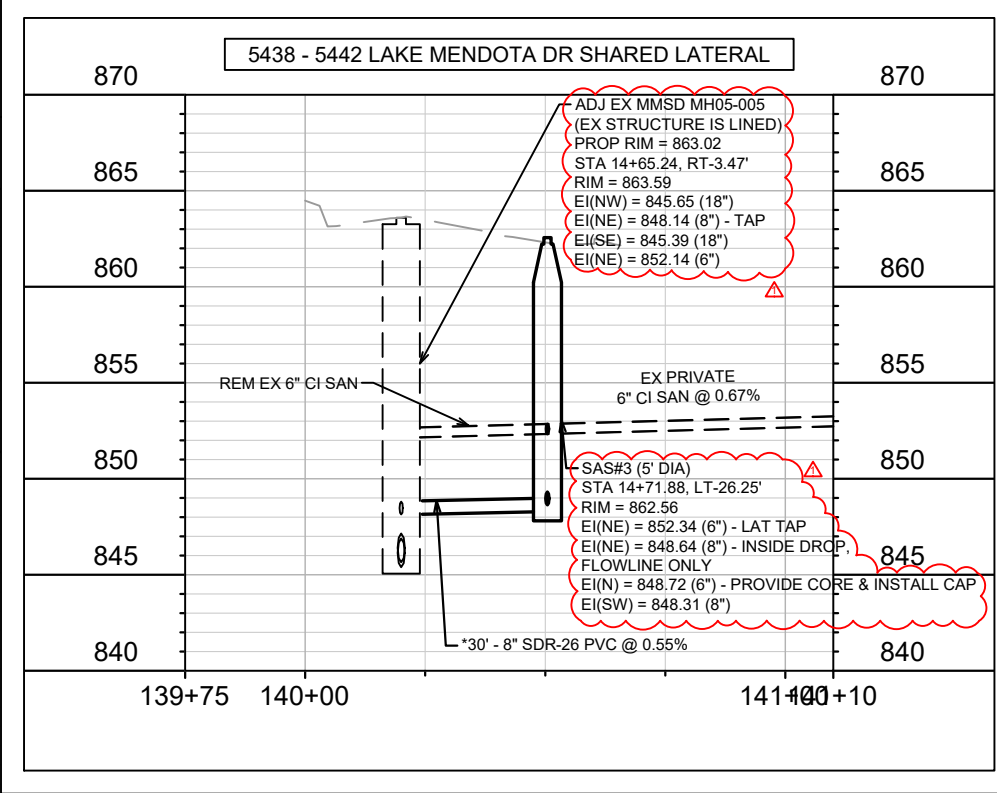
14083
 P-8



CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

* SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO ASTM D3034 SPECS FOR SDR-26



CONNECTIONS & ADJUSTMENT OF MMSD FACILITIES REQUIRE MMSD PERMITTING & INSPECTION BY MMSD. 2024 MMSD PERMIT FEE IS \$1650 AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SHALL NOTIFY RAY SCHNEIDER (MMSD), AT (608) 347-3628 OR RAYS@MADSEWER.ORG, FIVE (5) DAYS PRIOR TO STARTING WORK ON MMSD FACILITIES.
 FOR MMSD SEWER ACCESS ADJUSTMENTS:
 - MMSD WILL SUPPLY NEW 9" CASTINGS & COVERS (AT NO COST)
 - CITY OF MADISON CONTRACTOR SHALL COMPLETE WORK TO ADJUST & INSTALL CASTINGS
 - CUT/REMOVE BARREL SEC AND/OR ADJUSTMENT RINGS DOWN TO FLAT TOP DECK
 - ADD ADJUSTMENT RINGS (PRO-RING OR EQUAL) TO PROPOSED TOC

MMSD SHALL CONTRACT REPAIRS TO SEWER ACCESS LINING SYSTEMS AT A LATER DATE
 FOR CONNECTIONS TO MMSD SEWER:
 - FIELD CORE NEW CONNECTIONS FOR BOOT CONNECTION WHERE REQUIRED
 - PROVIDE & INSTALL KOR-N-SEAL BOOT FOR CONNECTIONS (PAID AS INCIDENTAL TO TAP)

MMSD STANDARD DETAIL DRAWINGS PROVIDED ON SHEET D-2

PROPOSED STORM AT WATER UTILITY CROSSING NOTES:
 - STYROFOAM SHEET (2"x4"x8") SHALL BE REQUIRED WHERE STORM CROSSES WATER UTILITIES
 - INSULATE WATER MAIN BELOW RAIN GARDENS
 - PENDING ULOS, WATER MAIN & LATERAL SERVICES RELOCATION WHERE REQUIRED SHALL BE COMPLETED & PAID FOR BID ITEMS 90034 & 90035

14083
 MADISON, WI
 CONTRACT NO.: 8743
 U-1

LAKE MENDOTA DR - SEWER PLAN & PROFILE
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

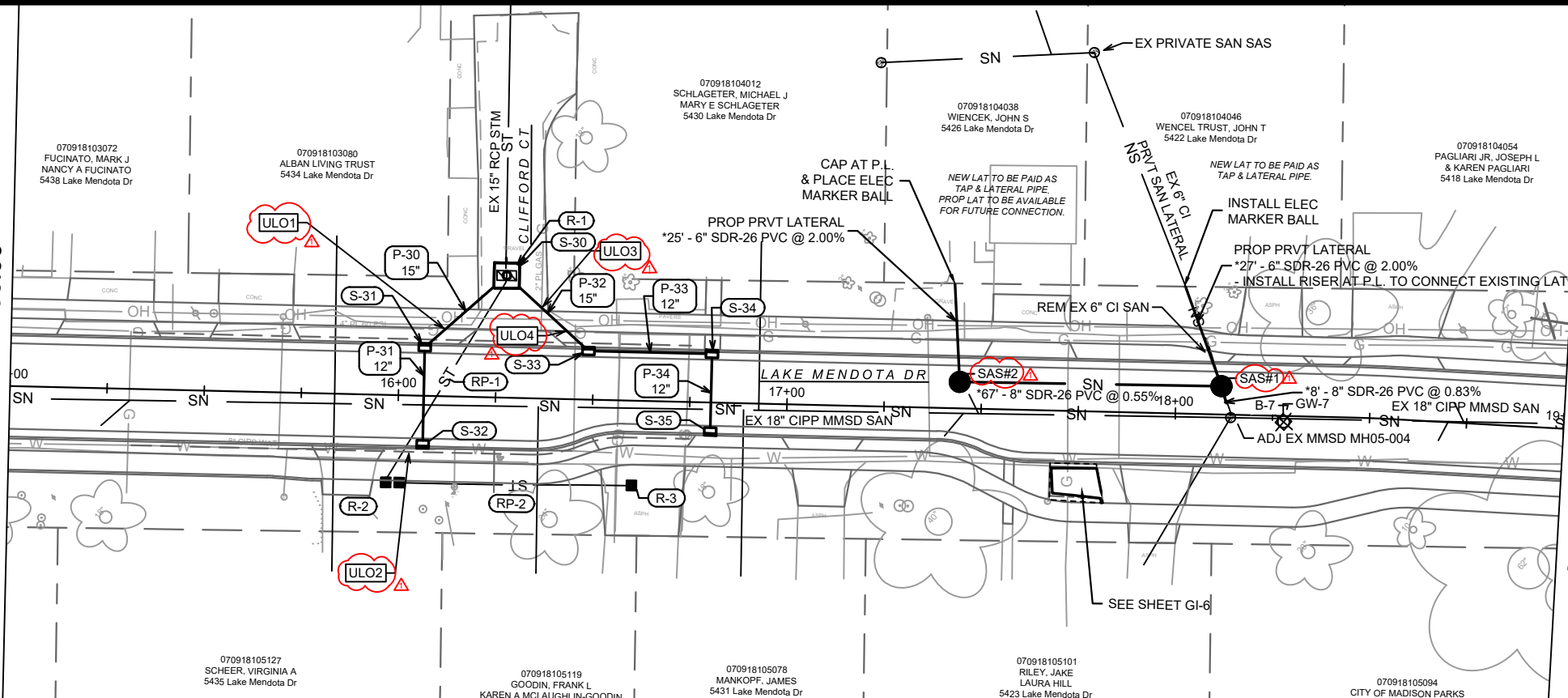
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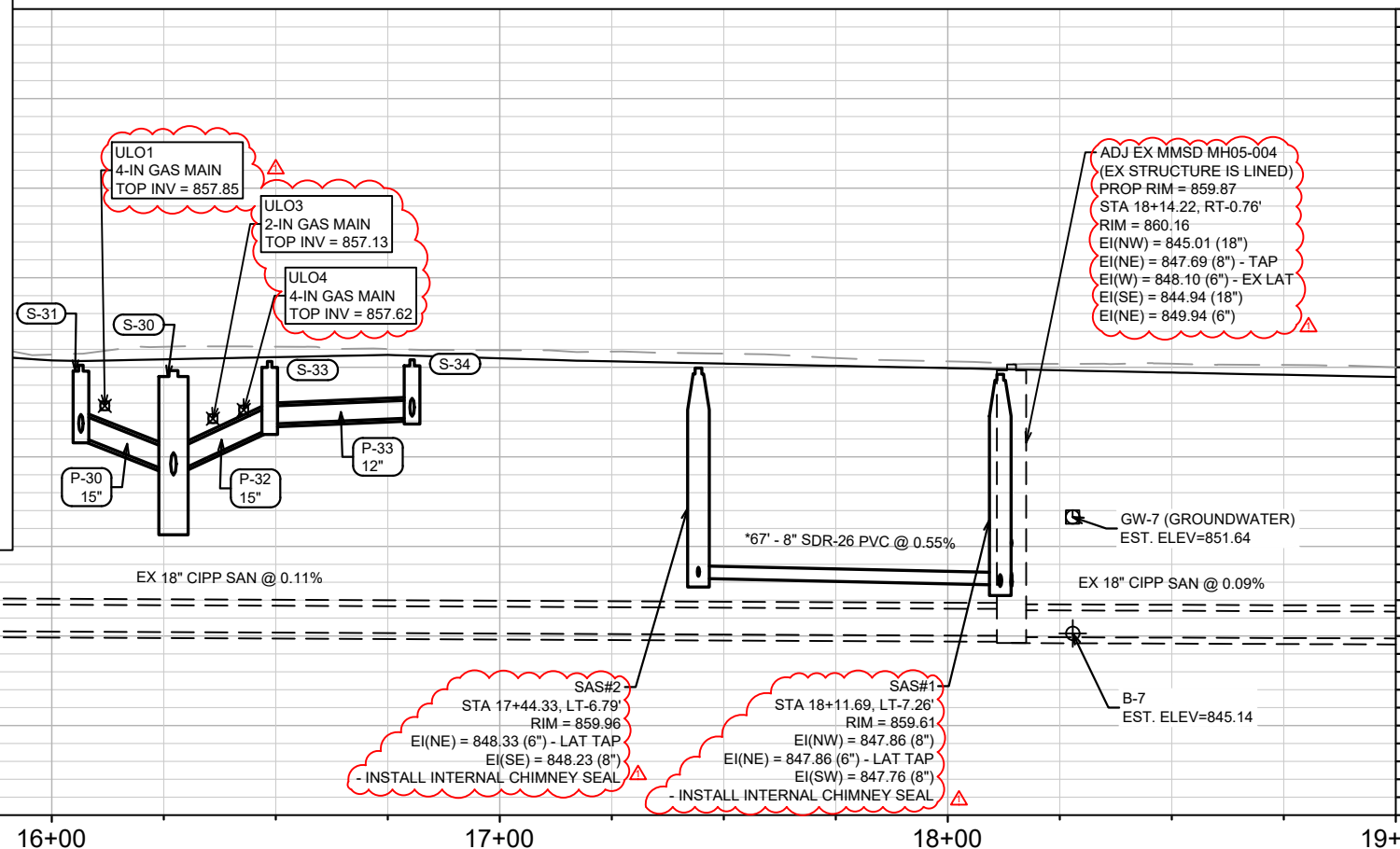
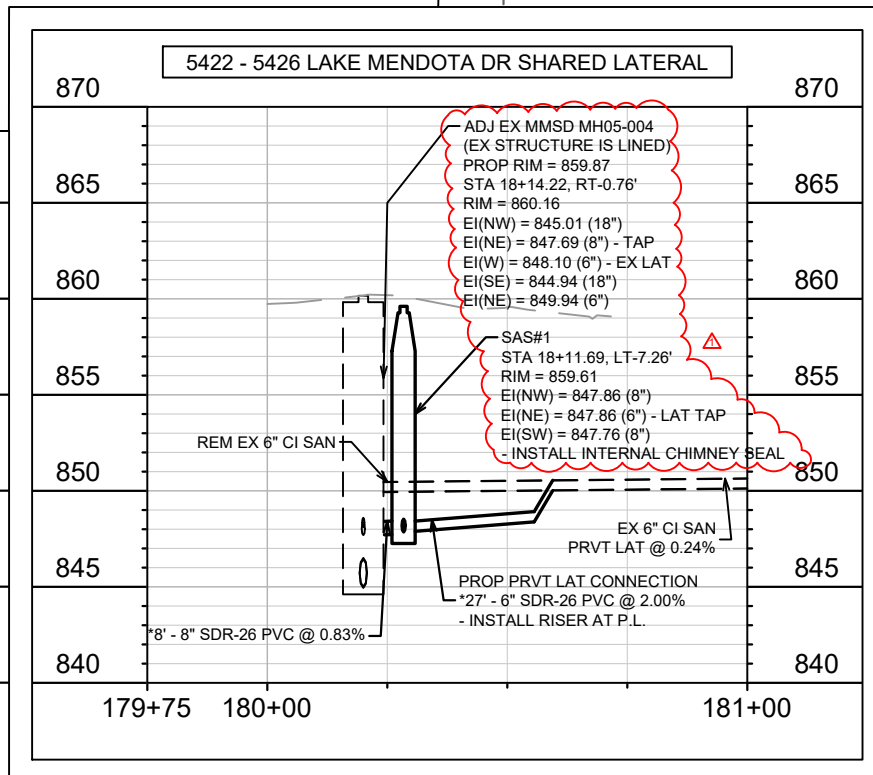
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CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

* SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO ASTM D3034 SPECS FOR SDR-26



PROPOSED STORM AT WATER UTILITY CROSSING NOTES:

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14083	U-2
MADISON, WI	U-2
14083	U-2
8743	U-2
CONTRACT NO:	U-2
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U-2	U-2

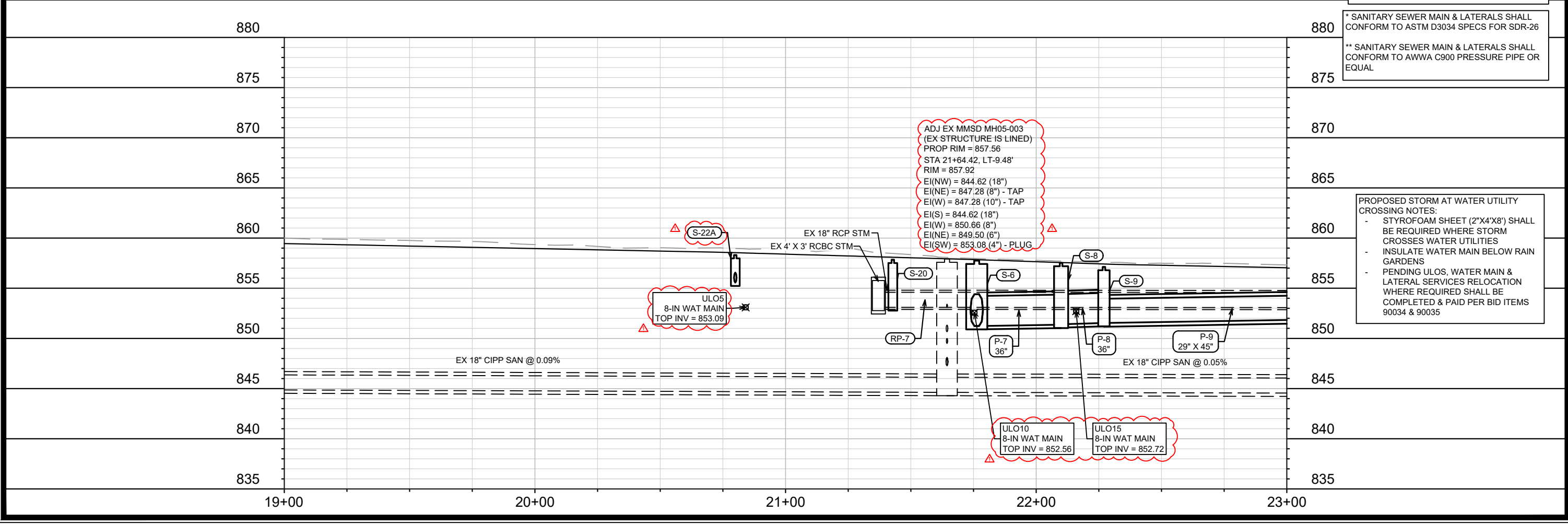
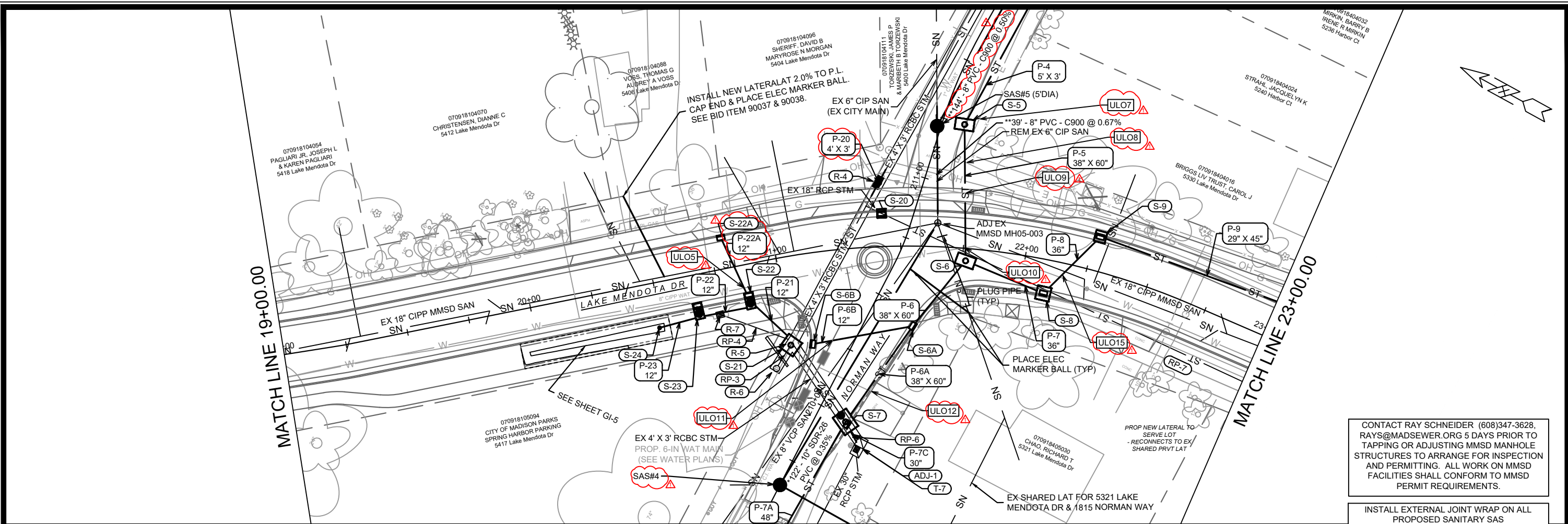
LAKE MENDOTA DR - SEWER PLAN & PROFILE

LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

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CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

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** SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO AWWA C900 PRESSURE PIPE OR EQUAL

PROPOSED STORM AT WATER UTILITY CROSSING NOTES:

- STYROFOAM SHEET (2\"/>

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U-3	U-3	U-3	U-3

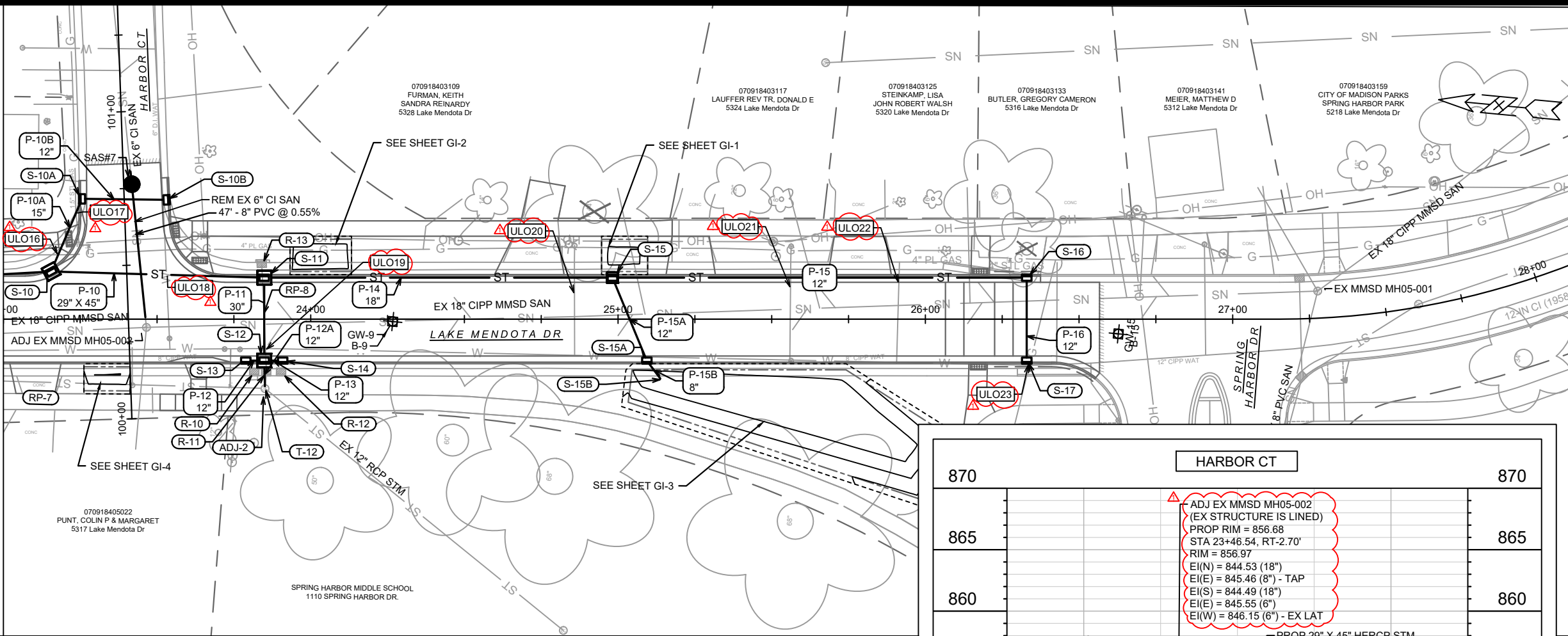
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LAKE MENDOTA DR - SEWER PLAN & PROFILE
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

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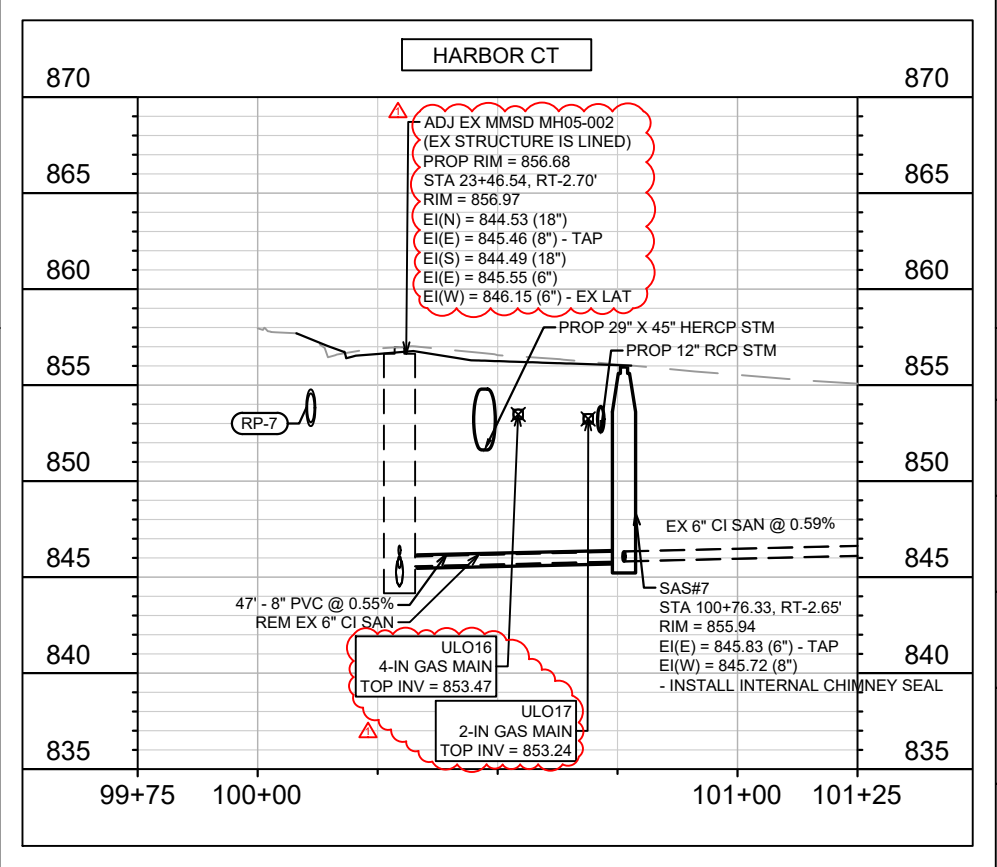


CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

070918405022
PUNT, COLIN P & MARGARET
5317 Lake Mendota Dr

SPRING HARBOR MIDDLE SCHOOL
1110 SPRING HARBOR DR.



PROPOSED STORM AT WATER UTILITY CROSSING NOTES:
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 - INSULATE WATER MAIN BELOW RAIN GARDENS
 - PENDING ULOS, WATER MAIN & LATERAL SERVICES RELOCATION WHERE REQUIRED SHALL BE COMPLETED & PAID PER BID ITEMS 90034 & 90035

ADJ EX MMSD MH05-002 (EX STRUCTURE IS LINED)
 PROP RIM = 856.68
 STA 23+46.54, RT-2.70'
 RIM = 856.97
 EI(N) = 844.53 (18")
 EI(E) = 845.46 (8") - TAP
 EI(S) = 844.49 (18")
 EI(E) = 845.55 (6")
 EI(W) = 846.15 (6") - EX LAT

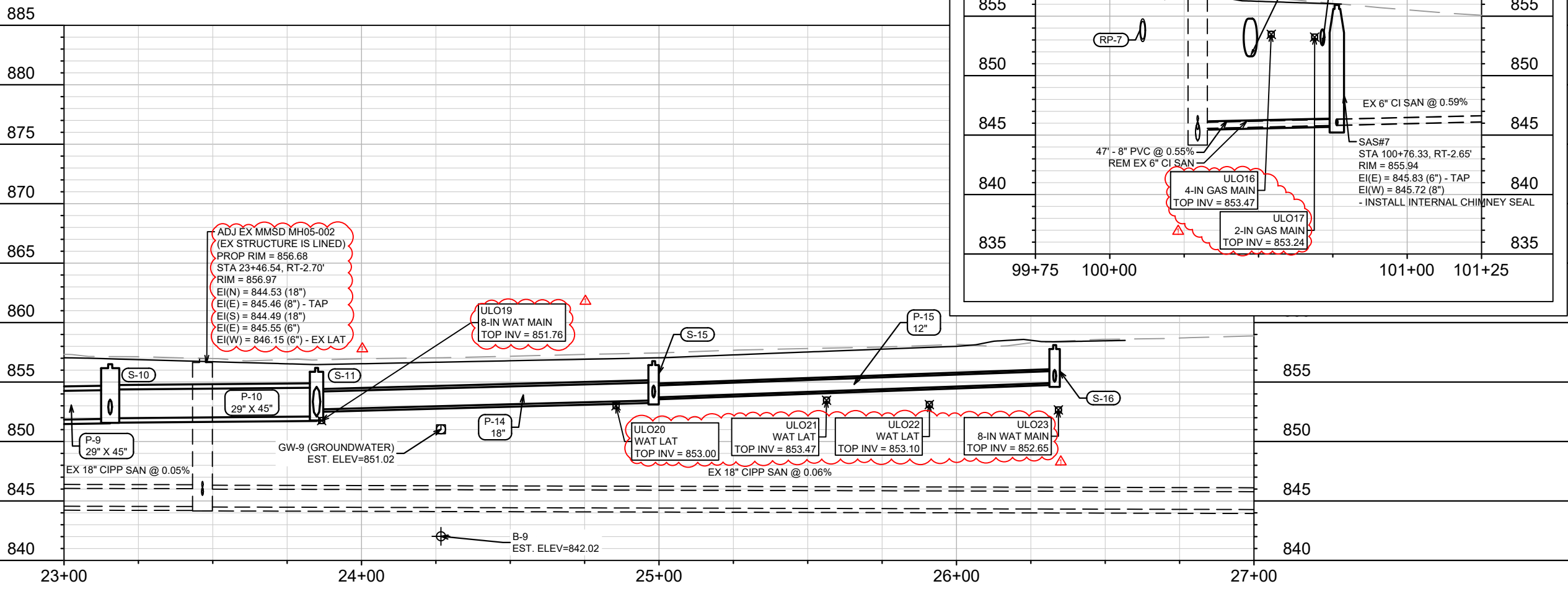
ULO19
 8-IN WAT MAIN
 TOP INV = 851.76

ULO20
 WAT LAT
 TOP INV = 853.00

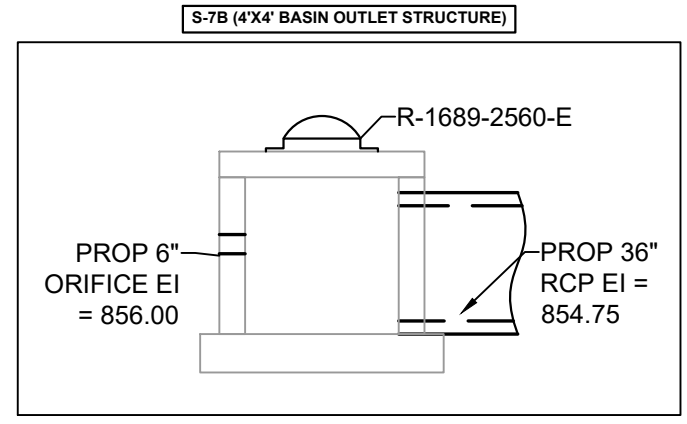
ULO21
 WAT LAT
 TOP INV = 853.47

ULO22
 WAT LAT
 TOP INV = 853.10

ULO23
 8-IN WAT MAIN
 TOP INV = 852.65

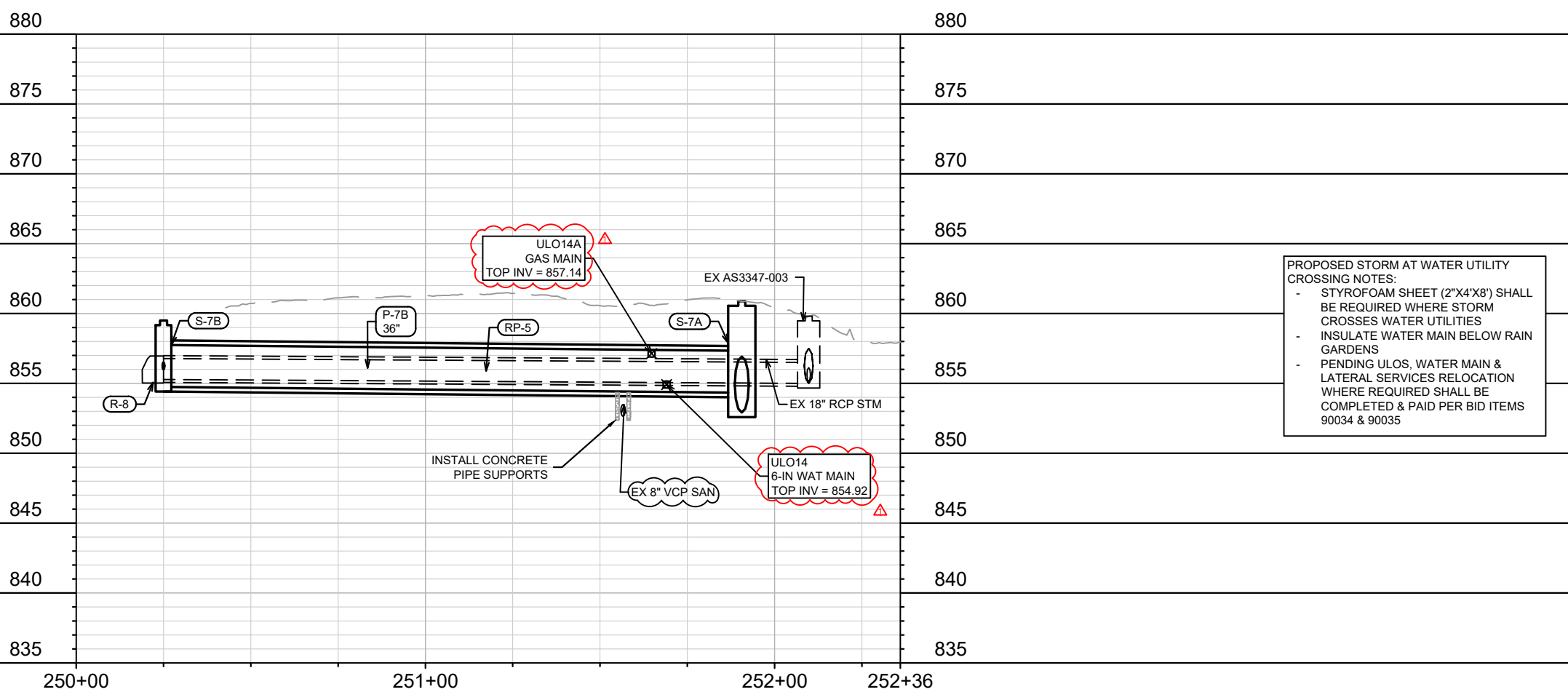
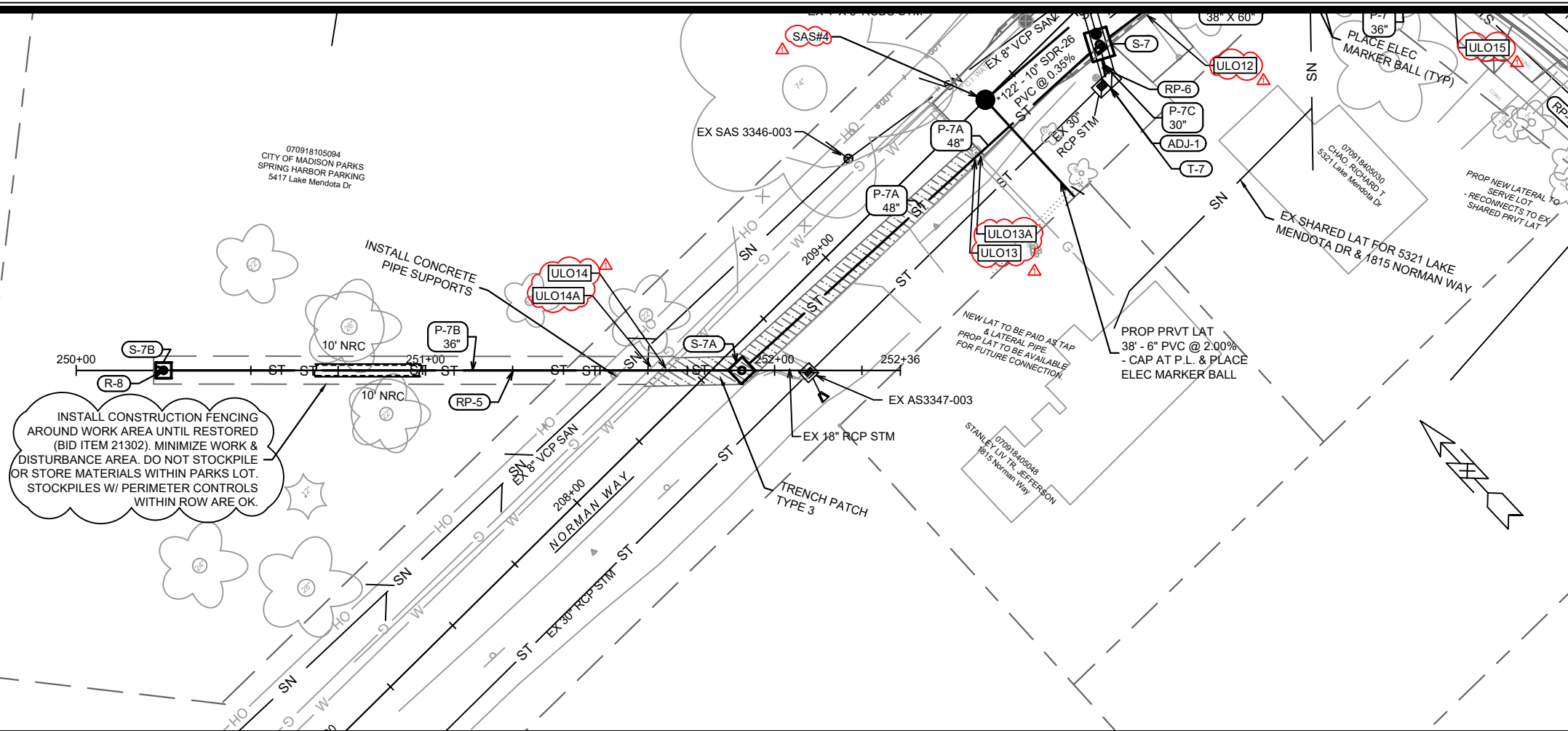


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 MADISON, WI
 CONTRACT NO: 8743
 LAKE MENDOTA DR - SEWER PLAN & PROFILE
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
 U-4
 City of Madison Wisconsin logo
 14083
 U-4



INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

* SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO ASTM D3034 SPECS FOR SDR-26



REV	DATE	BY
ULOS UPDATE SAN	04/19/24	DAO
UPDATE NOTES	02/19/24	DAO
MARK	REVISION	DATE
14083	U-5	02/19/24

Scale: 1" = 40'

Designed By: AJC Date: 5/27/2024 5:11 PM

14083

MADISON, WI

8743

CONTRACT NO.:

14083

U-5

NORMAN WAY (PARKS-SPRING HARBOR PARKING) - SEWER PLAN & PROFILE

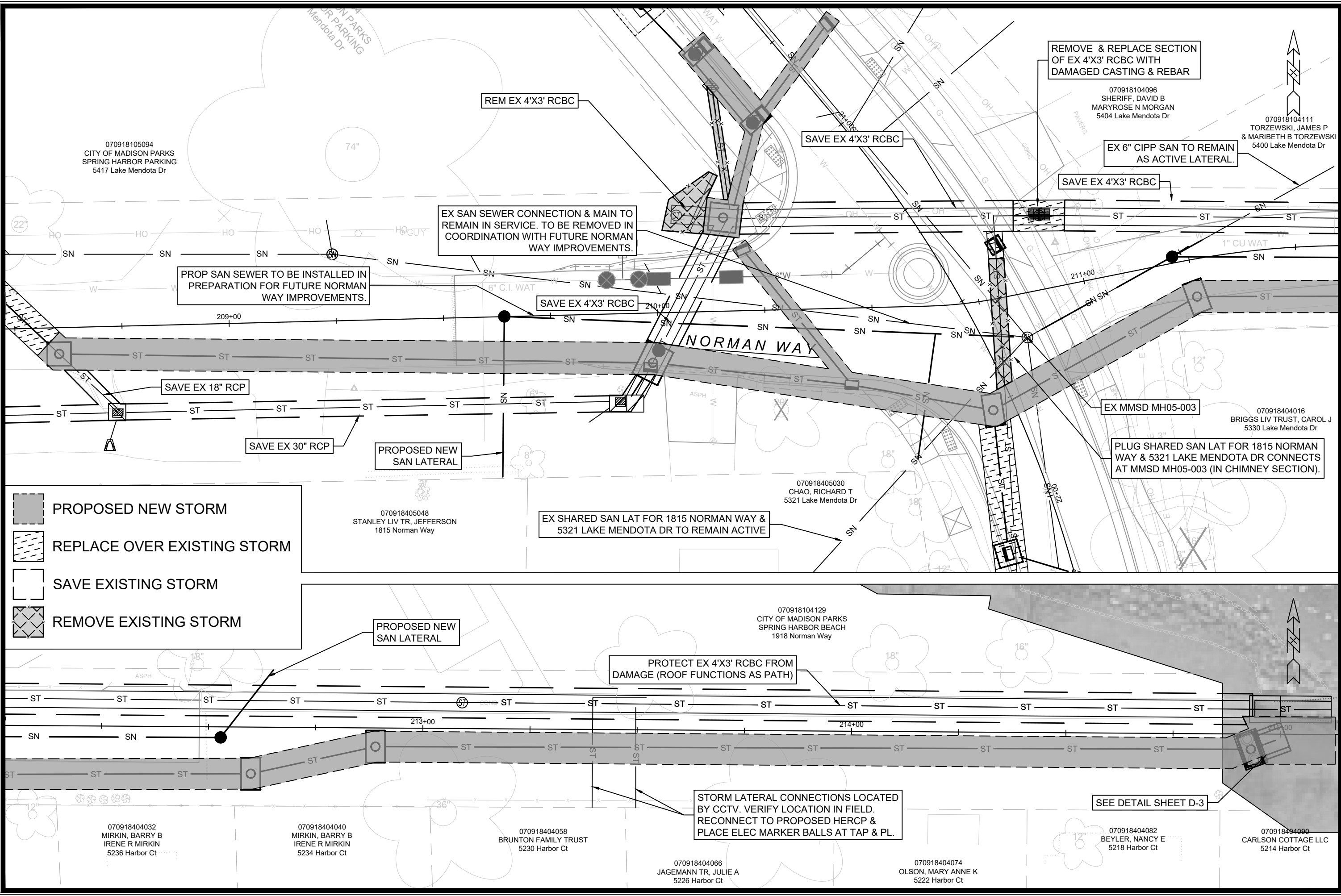
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

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14083

U-5



PROPOSED NEW STORM

REPLACE OVER EXISTING STORM

SAVE EXISTING STORM

REMOVE EXISTING STORM

REMOVE & REPLACE SECTION OF EX 4'X3' RCBC WITH DAMAGED CASTING & REBAR

070918104096
SHERIFF, DAVID B
MARYROSE N MORGAN
5404 Lake Mendota Dr

EX 6" CIPP SAN TO REMAIN AS ACTIVE LATERAL.

070918104111
TORZEWSKI, JAMES P & MARIBETH B TORZEWSKI
5400 Lake Mendota Dr

EX SAN SEWER CONNECTION & MAIN TO REMAIN IN SERVICE. TO BE REMOVED IN COORDINATION WITH FUTURE NORMAN WAY IMPROVEMENTS.

PROP SAN SEWER TO BE INSTALLED IN PREPARATION FOR FUTURE NORMAN WAY IMPROVEMENTS.

EX MMSD MH05-003

070918404016
BRIGGS LIV TRUST, CAROL J
5330 Lake Mendota Dr

PLUG SHARED SAN LAT FOR 1815 NORMAN WAY & 5321 LAKE MENDOTA DR CONNECTS AT MMSD MH05-003 (IN CHIMNEY SECTION).

EX SHARED SAN LAT FOR 1815 NORMAN WAY & 5321 LAKE MENDOTA DR TO REMAIN ACTIVE

070918405030
CHAO, RICHARD T
5321 Lake Mendota Dr

070918405048
STANLEY LIV TR, JEFFERSON
1815 Norman Way

PROTECT EX 4'X3' RCBC FROM DAMAGE (ROOF FUNCTIONS AS PATH)

070918104129
CITY OF MADISON PARKS
SPRING HARBOR BEACH
1918 Norman Way

STORM LATERAL CONNECTIONS LOCATED BY CCTV. VERIFY LOCATION IN FIELD. RECONNECT TO PROPOSED HERCP & PLACE ELEC MARKER BALLS AT TAP & PL.

SEE DETAIL SHEET D-3

070918404032
MIRKIN, BARRY B
IRENE R MIRKIN
5236 Harbor Ct

070918404040
MIRKIN, BARRY B
IRENE R MIRKIN
5234 Harbor Ct

070918404058
BRUNTON FAMILY TRUST
5230 Harbor Ct

070918404066
JAGEMANN TR, JULIE A
5226 Harbor Ct

070918404074
OLSON, MARY ANNE K
5222 Harbor Ct

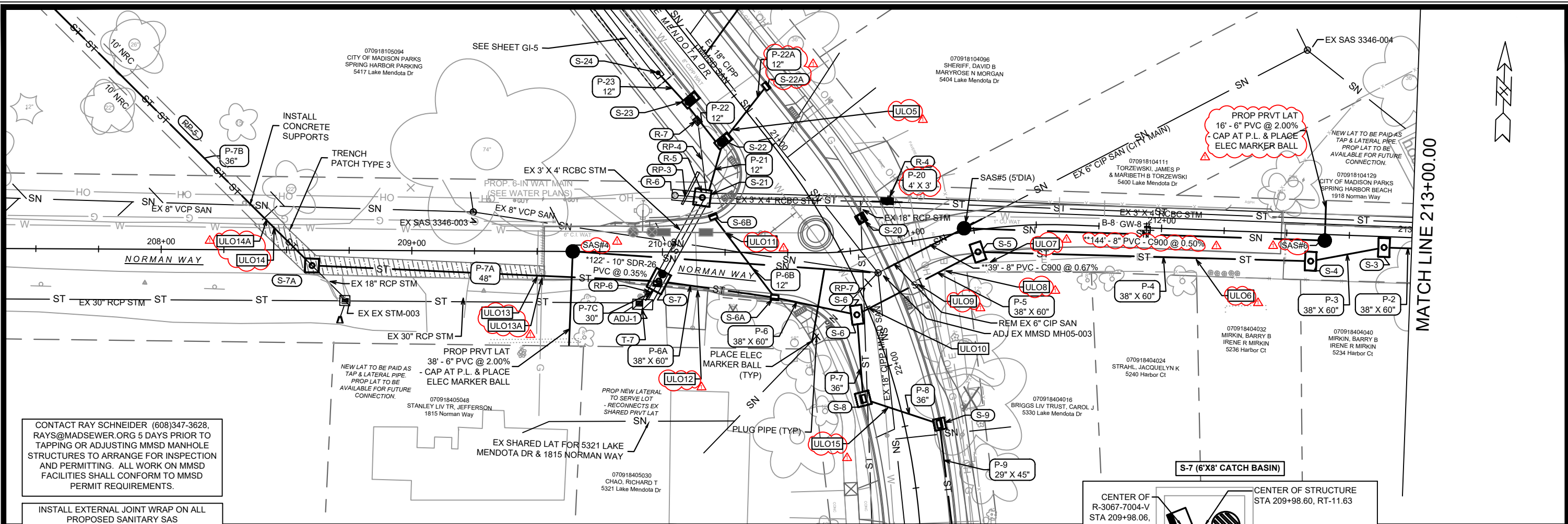
070918404082
BEYLER, NANCY E
5218 Harbor Ct

070918404090
CARLSON COTTAGE LLC
5214 Harbor Ct

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REVISION	Scale: 1:20
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Designed By: AUC	
Contract No:	8743
Project No:	14083
City:	MADISON, WI
District:	14083
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14083
 MADISON, WI
 CONTRACT NO: 8743
 NORMAN WAY - SEWER NOTES
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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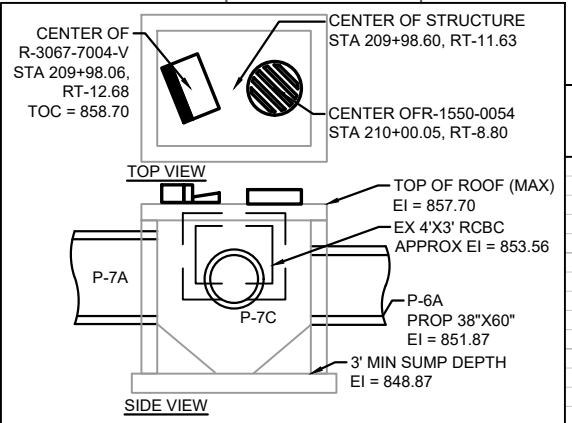
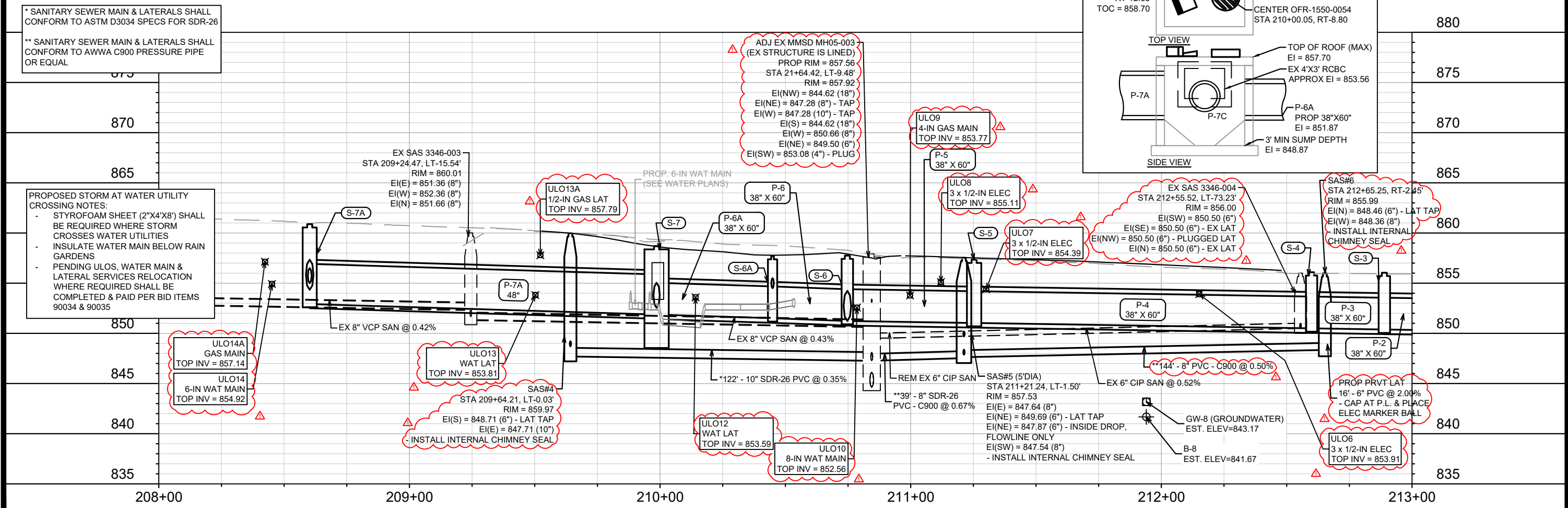
CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO TAPPING OR ADJUSTING MMSD MANHOLE STRUCTURES TO ARRANGE FOR INSPECTION AND PERMITTING. ALL WORK ON MMSD FACILITIES SHALL CONFORM TO MMSD PERMIT REQUIREMENTS.

INSTALL EXTERNAL JOINT WRAP ON ALL PROPOSED SANITARY SAS

* SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO ASTM D3034 SPECS FOR SDR-26

** SANITARY SEWER MAIN & LATERALS SHALL CONFORM TO AWWA C900 PRESSURE PIPE OR EQUAL

PROPOSED STORM AT WATER UTILITY CROSSING NOTES:
 - STYROFOAM SHEET (2'X4'X8") SHALL BE REQUIRED WHERE STORM CROSSES WATER UTILITIES
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 - PENDING ULOS, WATER MAIN & LATERAL SERVICES RELOCATION WHERE REQUIRED SHALL BE COMPLETED & PAID PER BID ITEMS 90034 & 90035

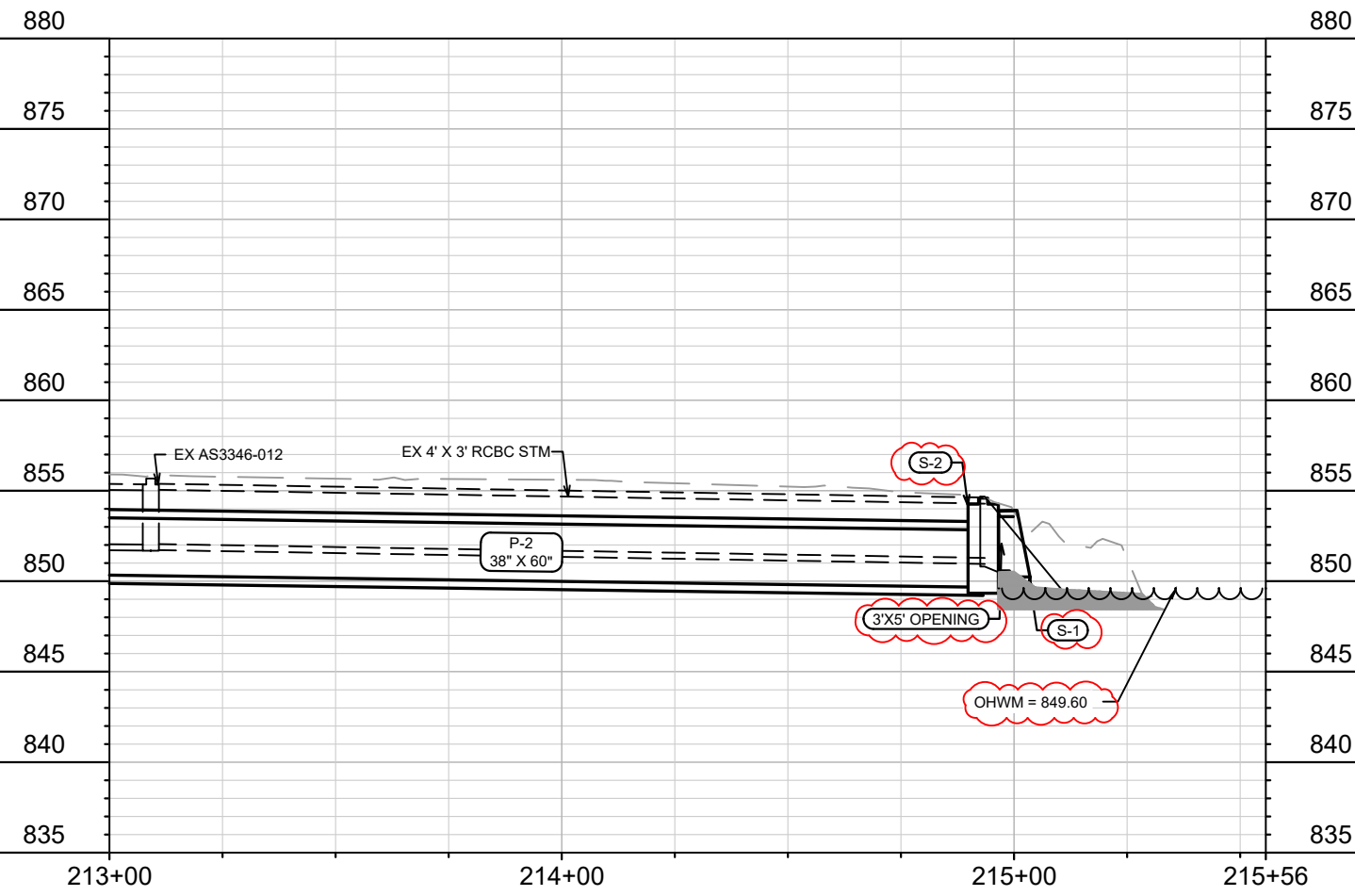
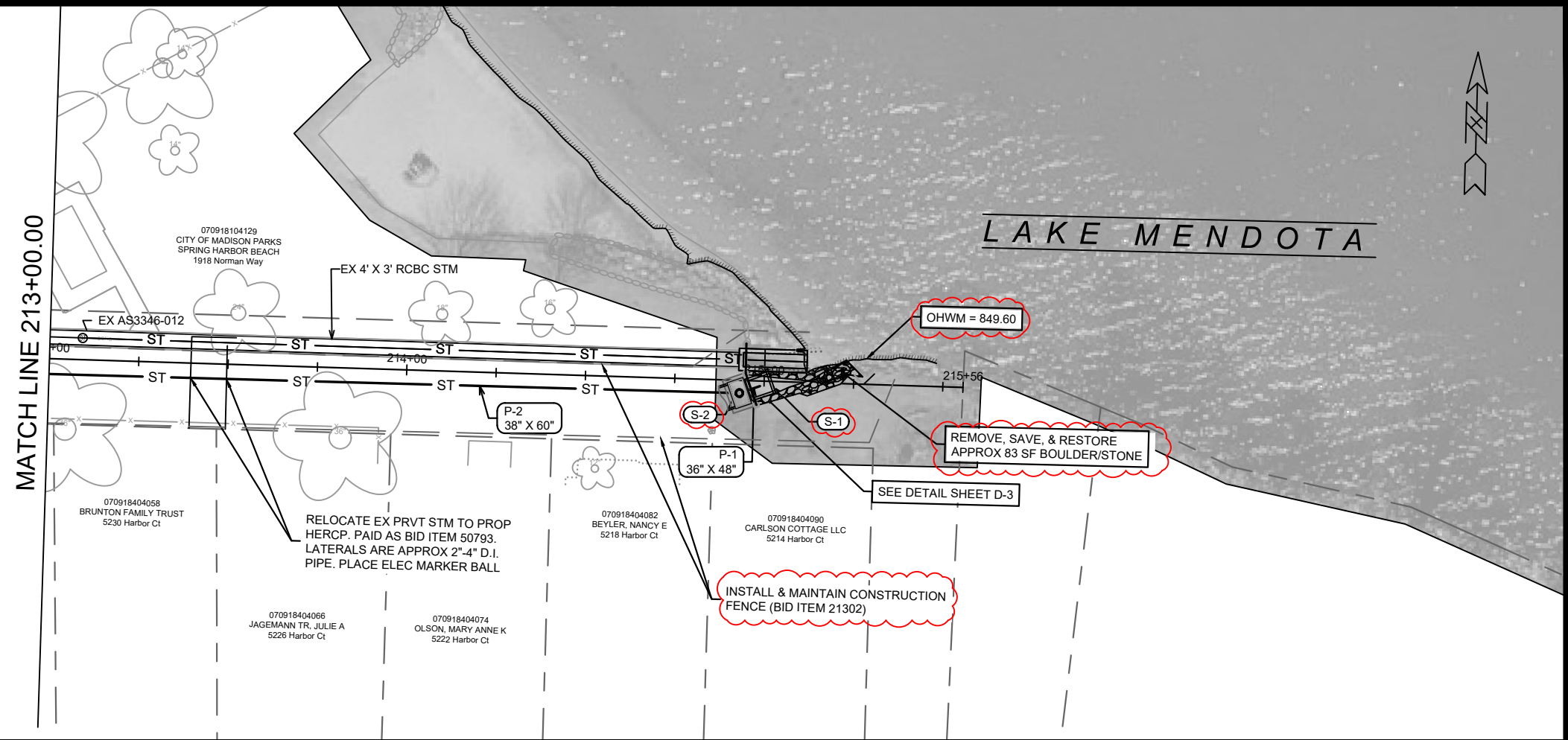
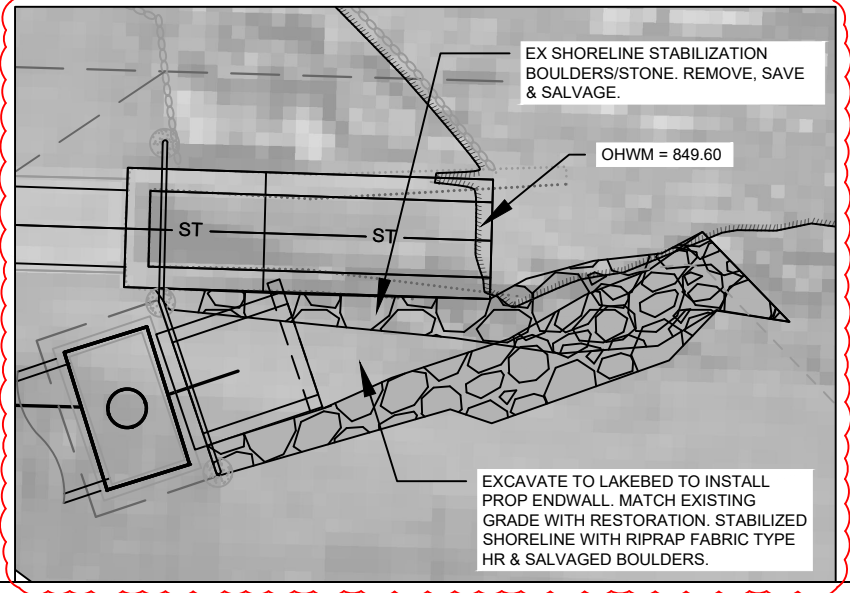


MATCH LINE 213+00.00

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MADISON, WI	REVISION	DATE
CONTRACT NO: 8743	ULOS REVISED SAN & STM	04/15/24 DAO
	DESIGNED BY	DATE
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	SCALE	1" = 40'

NORMAN WAY - SEWER PLAN & PROFILE
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
U-7



ADD1	NOTES UPDATE	02/19/24	DAO	BY
MARK	REVISION			
Designed By: DAO	Date: 2/20/2024	12:06 PM	Scale: 1" = 40'	U-8

14083
MADISON, WI
8743
CONTRACT NO:

NORMAN WAY - SEWER PLAN & PROFILE
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
U-8

SANITARY SEWER SCHEDULE

Δ REVISION 1 - 4/15/2024 DAO

LAKE MENDOTA DR ASMNT DISTRICT - 2024	SHEET NO.
PROJECT NO. 14083	U-9
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

U-9

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
LAKE MENDOTA DR						
Δ SAS#1	18+11.69	LT-7.26	859.61	847.76	11.85	[1][8][9]
Δ SAS#2	17+44.33	LT-6.79	859.96	848.23	11.73	[2][8][9][11]
Δ SAS#3	14+71.88	LT-26.25	862.56	848.31	14.25	5' DIA SAS; [3][8]
NORMAN WAY						
Δ SAS#4	209+64.21	LT-0.03	859.97	847.71	12.26	[4][8][9][11]
SAS#5	211+21.24	LT-1.50	857.53	847.54	9.99	5' DIA SAS; [5][8][9]
Δ SAS#6	212+65.25	RT-2.45	855.99	848.36	7.63	[6][8][9][11]
HARBOR CT						
SAS#7	100+76.33	RT-2.65	855.94	845.72	10.22	[8][9]

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
LAKE MENDOTA DR								
MMSD MH05-004	SAS#1	847.69	847.76	8	0.83%	8"	SDR-26	-
SAS#1	SAS#2	847.86	848.23	67	0.55%	8"	SDR-26	-
MMSD MH05-005	SAS#3	848.14	848.31	30	0.55%	8"	SDR-26	-
NORMAN WAY								
MMSD MH05-003	SAS#4	847.28	847.71	122	0.35%	10"	SDR-26	[7]
MMSD MH05-003	SAS#5	847.28	847.54	39	0.67%	8"	C900	-
Δ SAS#5	SAS#6	847.64	848.36	144	0.50%	8"	C900	-
HARBOR CT								
MMSD MH05-002	SAS#7	845.46	845.72	47	0.55%	8"	SDR-35	-

SANITARY STRUCTURE ADJUSTMENTS

STRUC ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	PROP TOC	ADJ (FT)	NOTES
LAKE MENDOTA DR						
Δ MMSD MH05-002	23+46.54	RT-2.70	856.97	856.68	-0.29	[10]
Δ MMSD MH05-003	21+64.42	LT-9.48	857.92	857.56	-0.36	[10]
Δ MMSD MH05-004	18+14.22	RT-0.76	860.16	859.87	-0.29	[10]
Δ MMSD MH05-005	14+65.24	RT-3.47	863.59	863.02	-0.57	[10]

SANITARY PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH PAID (FT)	ABN LGTH (FT)	CY SLURRY	PIPE SIZE	PIPE TYPE	NOTES
LAKE MENDOTA DR									
MMSD MH05-002	SAS#7	47	N	0	0	0	6"	C.I.	-
MMSD MH05-003	SAS#6	39	N	0	0	0	6"	CIPP-C.I.	-
MMSD MH05-004	STA 18+02.13, LT-32.79	38	N	0	0	0	6"	C.I. LAT	-
MMSD MH05-005	STA 14+72.90, LT-30.79	35	N	0	0	0	6"	C.I. LAT	-

SPECIFIC NOTES

- [1] PROP SAN LATERAL TAP SET LOWER THAN EXISTING 6" C.I. LATERAL INVERT; INSTALL NEW PVC LATERAL AT 2% TOWARD P.L. & INSTALL RISER TO CONNECT TO EX 6" C.I. LATERAL; PLACE ELEC MARKER BALL AT RISER & P.L.
- [2] INSTALL PROP SAN LATERAL AT 2% FROM SAS & CAP AT P.L.; PLACE ELEC MARKER BALL AT P.L.; PROP LATERAL INSTALLED FOR FUTURE CONNECTION, NO PROPOSED RECONNECT
- [3] INSTALL INSIDE DROP; RECONNECT EX SHARED 6" C.I. LAT TO PROP SAS; PROVIDE CORE & CAP (NE) FOR FUTURE CONNECTION, NO PROPOSED RECONNECT
- [4] PROP SAS DESIGNED FOR FUTURE NORMAN WAY ROW IMPROVEMENTS; EX NORMAN WAY SAN SHALL REMAIN IN SERVICE
- [5] INSTALL INSIDE DROP; RECONNECT EX 6" CIPP-CI SANITARY MAIN
- [6] INSTALL PROP SAN LATERAL AT 2% FROM SAS & CAP AT P.L.; PLACE ELEC MARKER BALL AT P.L.; PROP LATERAL INSTALLED FOR FUTURE CONNECTION, NO PROPOSED RECONNECT
- [7] PROP NEW MAIN; TWO PROPOSED LATERALS (PAID AS RECONNECT & LATERAL PIPE) ON NEW MAIN
- [8] INSTALL EXTERNAL JOINT WRAP
- [9] INSTALL INTERNAL CHIMNEY SEAL
- [10] ADJUST CHIMNEY PER MMSD DETAIL SD-201; SEE SHEET D-2
- * [11] PROVIDE FLOWLINE THROUGH PRECAST STRUCTURE; INTENDED FOR MAINTENANCE OF SAS

STORM SEWER SCHEDULE

Δ REVISION 1 - 4/15/2024 DAO

LAKE MENDOTA DR ASMNT DISTRICT - 2024	SHEET NO.
PROJECT NO. 14083	U-11
STORM SEWER SCHEDULE	
CITY OF MADISON	

U-11

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
LAKE MENDOTA DR (NORTH OF NORMAN WAY)							
S-20	21+42.79	LT-13.25	3X3 STORM SAS	857.85	853.10	4.75	W/R-3067-7004-V; [7]
S-22	20+86.41	RT-14.51	3X6 STORM SAS	858.54	853.97	4.57	FP; W/R-1550-0054 & R-3067-7004; [9]
Δ S-22A	20+79.94	LT-12.50	H INLET	858.31	855.56	2.75	FP; W/R-3067-7004-V
S-23	20+65.54	RT-14.51	3X6 STORM SAS	858.67	854.17	4.50	FP; W/R-1550-0054 & R-3067-7004; [10]
S-24	20+56.34	RT-17.80	12" PVC BEND & RISER	858.00	854.55	3.45	[14]
NORMAN WAY (NW CORNER AT LMD)							
S-21	210+15.79	LT-21.81	6X6 STORM SAS	859.06	852.85	6.21	FP; W/TWO R-1550-0054; [8]
LAKE MENDOTA DR (AT CLIFFORD CT)							
S-30	16+27.15	LT-31.40	6X6 CATCHBASIN W/3' SUMP	859.82	853.98	5.84	FP; W/TWO R-1550-2578; [11]
S-31	16+06.50	LT-12.50	H INLET	860.12	856.12	4.00	LP; W/R-3067-7004-VB
S-32	16+06.52	RT-12.47	H INLET	860.04	856.84	3.20	LP; W/R-3067-7004-VB
S-33	16+48.63	LT-12.50	H INLET	860.33	856.58	3.75	W/R-3067-7004-V
S-34	16+80.42	LT-12.50	H INLET	860.42	857.17	3.25	W/R-3067-7004-V
S-35	16+80.43	RT-7.50	H INLET	860.74	858.20	2.54	FP; 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
LAKE MENDOTA DR (NORTH OF NORMAN WAY)										
Δ P-20	STA 21+44.91, LT-30.70	STA 21+39.29, LT-20.38	852.58	852.61	12	12	0.25%	4'X3'	RCBC	[13][15]
P-21	S-21	S-22	853.85	853.97	24	18	0.67%	12"	RCP	-
P-22	S-22	S-23	854.07	854.17	21	18	0.56%	12"	RCP	[9]
Δ P-22A	S-22	S-22A	855.12	855.56	28	24	1.85%	12"	RCP	NCM
P-23	S-23	S-24	854.27	854.55	17	15	1.84%	12"	PVC	[10]
LAKE MENDOTA DR (AT CLIFFORD CT)										
P-30	S-30	S-31	854.08	856.12	28	22	9.09%	15"	RCP	-
P-31	S-31	S-32	856.37	856.84	25	23	2.04%	12"	RCP	-
P-32	S-30	S-33	854.08	856.58	29	23	10.83%	15"	RCP	-
P-33	S-33	S-34	856.83	857.17	32	29	1.18%	12"	RCP	-
P-34	S-34	S-35	857.27	858.20	20	18	5.14%	12"	RCP	-

SPECIFIC NOTES:

ALL CURB CASTINGS TOC SET FOR 'MOD' TYPE A CURB (FRAME = ~11" HEIGHT)

[7] CONNECT TO EX 18" RCP, EI(N) = 853.10

[8] RECONNECT EX 4'X3' RCBC, EI(E) = 852.85, EI(S) = 852.85

[9] OFFSET P-22 C.L. 8' FROM EX WATER MAIN; CENTER OF STRUCTURE SHOWN IN TABLE; INSTALL R-3067-7004-V, TOC = 858.49, CENTER AT STA 20+86.41, RT-12.50; INSTALL R-1550-0054, TOC = 858.54, CENTER AT STA 20+86.43, RT-15.61

[10] OFFSET P-23 C.L. 8' FROM EX WATER MAIN; CENTER OF STRUCTURE LOCATION SHOWN IN TABLE; INSTALL R-3067-7004-V, TOC = 858.62, CENTER AT STA 20+65.48, RT-12.50; INSTALL R-1550-0054, TOC = 858.67, CENTER AT STA 20+65.51, RT-15.61

[11] RECONNECT EX 15" RCP, EI(NE) = 853.98

[13] REPLACE SECTION OF 4'X3' RCBC; CONTRACTOR TO VERIFY DIMENSION, PRECAST OK; CONNECT TO EX W/MACWRAP JOINT WRAP & JOINT TIES; PROP LENGTH OF NEW RCBC WAS DESIGNED TO REMOVE THE CASTING & SECTION OF EX RCBC WITH DAMAGED/EXPOSED REBAR

[14] CONSTRUCT 12" PVC SWEEP & RISER WITH 1/4 GASKETED PVC PIPE BEND & 1.75' 12" PVC PIPE; BEND & PIPE TO BE PAID AS UNDER BID ITEM 50323, APPROXIMATELY 3.5 L.F

Δ [15] FIELD POUR RCBC OK. INSTALL #6 BAR DOWELS 6" INTO EXISTING RCBC SECTIONS, PROVIDE CONCRETE REINFORCEMENT FOR WALLS PER SDD 5.7.3, INSTALL ROOF PER SDD 5.1.2 FOR TYPE 2 RCBC REPAIR, INSTALL W/R-1050-1550-0054 CASTING, SEAL ALL JOINTS WITH SEALTIGHT COLD PLASTIC SEWER JOINT COMPOUND IN THE INTERIOR AND EXTERIOR OF THE BOX CULVERT

STORM SEWER SCHEDULE

Δ REVISION 1 - 4/15/2024 DAO

LAKE MENDOTA DR ASMNT DISTRICT - 2024	SHEET NO.
PROJECT NO. 14083	U-12
STORM SEWER SCHEDULE	
CITY OF MADISON	

U-12

STORM STRUCTURE ADJUSTMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	EX TOC	PROP TOC	ADJ (FT)	NOTES
NORMAN WAY							
ADJ-1	AS3347-025	209+92.24	RT-20.97	858.54	858.54	0.00	TAP (T-7)
LAKE MENDOTA DR (SOUTH OF NORMAN WAY)							
ADJ-2	AS3347-004	23+85.13	RT-22.60	857.68	857.68	0.00	TAP (T-12); [3]

STORM STRUCTURE REMOVALS & ABANDONMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	DEPTH (FT)	NOTES
LAKE MENDOTA DR (NEAR CLIFFORD CT)						
R-1	AS3346-005	16+27.15	LT-31.31	5X7 STORM SAS	5.24	-
R-2	IN3346-004	15+98.94	RT-22.49	5X7 STORM SAS	5.26	-
R-3	IN3346-016	16+60.48	RT-21.90	INLET	2.80	-
LAKE MENDOTA DR (NEAR NORMAN WAY)						
R-4	AS3346-011	21+42.12	LT-25.54	4'X3' RCBC W/ CASTING	4.56	[1]
R-5	TP3346-009	21+00.03	RT-34.30	4'X3' RCBC	5.13	[1]
R-6	DT3346-010	20+91.47	RT-43.12	4'X3' RCBC	5.13	[1]
R-7	UNK INL	20+73.47	RT-17.37	INLET	2.27	-
NORMAN WAY						
R-8	AS3346-008	207+42.29	LT-110.12	18" ENDWALL	-	[2]
LAKE MENDOTA DR (SOUTH OF NORMAN WAY)						
R-10	IN3347-005	23+81.60	RT-17.47	INLET	3.25	-
R-11	IN3347-008	23+85.61	RT-17.49	INLET	3.28	-
R-12	IN3347-006	23+90.45	RT-17.53	INLET	2.82	-
R-13	IN3347-007	23+84.14	LT-18.06	INLET	1.75	-

ULO SCHEDULE

- Δ GREYED ULOS REQUIRE UTILITY ADJUSTMENTS

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
LAKE MENDOTA DR				
Δ ULO1	16+11.62	LT-17.19	4" GAS	TOP = 857.85; NO CONFLICT
Δ ULO2	16+03.14	RT-14.49	8" WAT MAIN	TOP = 854.08; NO CONFLICT
Δ ULO3	16+36.32	LT-23.34	2" GAS	TOP = 857.13; NO CONFLICT
Δ ULO4	16+42.95	LT-17.50	4" GAS	TOP = 857.62; NO CONFLICT
Δ ULO5	20+85.11	RT-9.08	8" WAT MAIN	TOP = 853.09; NO CONFLICT
Δ ULO10	21+75.34	LT-0.19	8" WAT MAIN	TOP = 852.56; LOWER WAT ~3.5'
Δ ULO15	22+16.01	RT-4.55	8" WAT MAIN	TOP = 852.72; LOWER WAT ~3.25.
Δ ULO16	23+17.83	LT-20.95	4" GAS	TOP = 853.47; MG&E TO RELOC OR RAISE 1.5'
Δ ULO18	23+53.06	LT-14.42	6" WAT MAIN	TOP = 851.38; ONLY 3" CLEAR, LOWER WAT ~1.5'
Δ ULO19	23+85.30	RT-10.07	8" WAT MAIN	TOP = 851.76; ONLY 1/2" CLEAR, LOWER WAT ~1.5'
Δ ULO20	24+85.82	LT-8.18	WAT SERVICE LAT	TOP = 853.00; ONLY 2" CLEAR, LOWER WAT ~1.5'
Δ ULO21	25+56.13	LT-10.10	WAT SERVICE LAT	TOP = 853.47; ONLY 7" CLEAR, LOWER WAT ~1'
Δ ULO22	25+91.39	LT-11.66	WAT SERVICE LAT	TOP = 853.10; NO CONFLICT
Δ ULO23	26+33.69	RT-14.50	4" GAS, 8" WAT MAIN	TOP = 852.65; NO CONFLICT

SPECIFIC NOTES

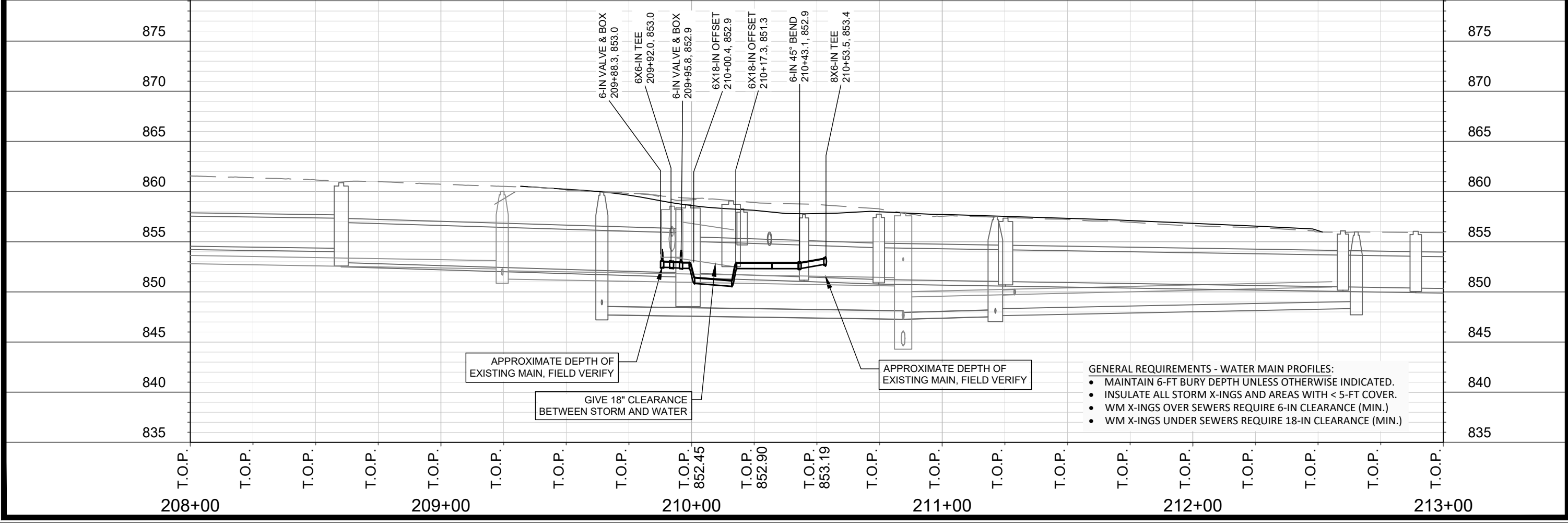
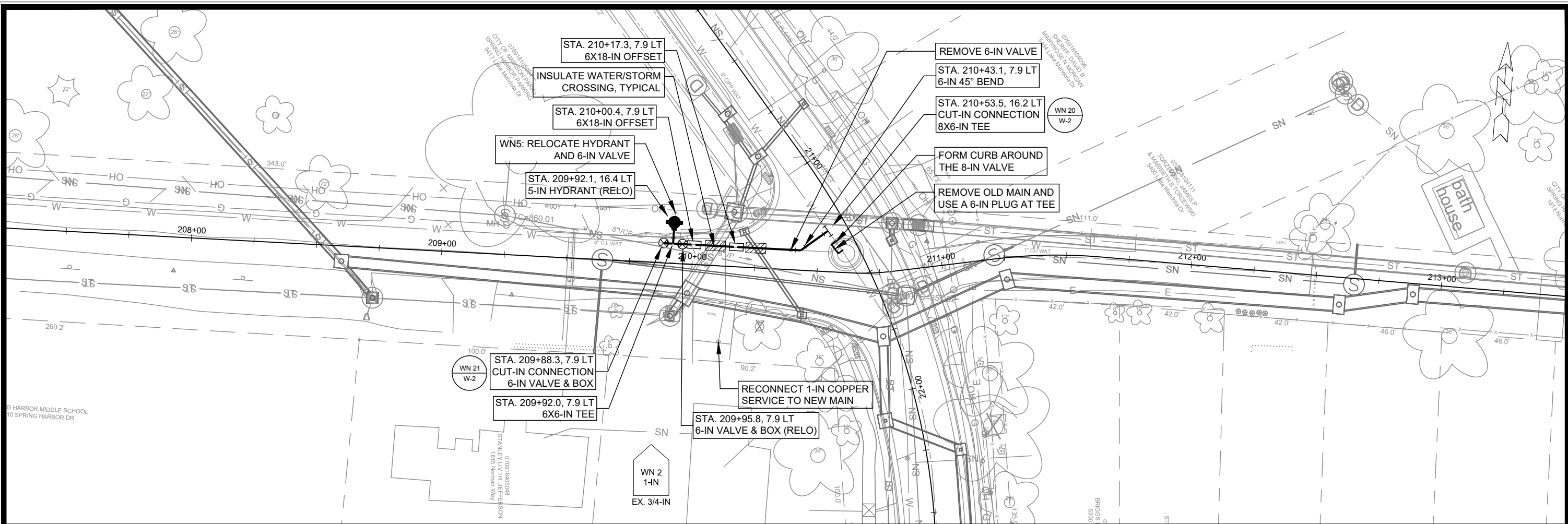
- [1] PAID AS BID ITEM 20311 - REMOVE SEWER ACCESS STRUCTURE
- [2] INCIDENTAL TO PIPE REMOVAL
- [3] PROP TAP, 4 PIPE PLUGS

STORM PIPE REMOVALS & ABANDONMENTS

PIPE REM NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH PAID (FT)	ABN LGTH (FT)	SLURRY (CY)	PIPE SIZE	PIPE TYPE	NOTES
LAKE MENDOTA DR (NEAR CLIFFORD CT)										
RP-1	R-1	R-2	61	Y	61	-	-	12"	RCP	-
RP-2	R-2	R-3	61	Y	61	-	-	8"	PVC	-
LAKE MENDOTA DR (NEAR NORMAN WAY)										
RP-3	R-5	R-6	12	Y	0	-	-	4'X3'	RCBC	[1]
RP-4	R-5	R-7	31	Y	31	-	-	12"	RCP	-
NORMAN WAY										
RP-5	S-7A	R-8	166	N	0	-	-	18"	RCP	-
RP-6	R-5	ADJ-1	14	Y	0	-	-	4'X3'	RCBC	[1]
LAKE MENDOTA DR (SOUTH OF NORMAN WAY)										
RP-7	S-20	R-9	243	Y	206	-	-	18"	RCP	-
RP-8	R-11	R-13	36	Y	36	-	-	12"	RCP	-

ULO SCHEDULE

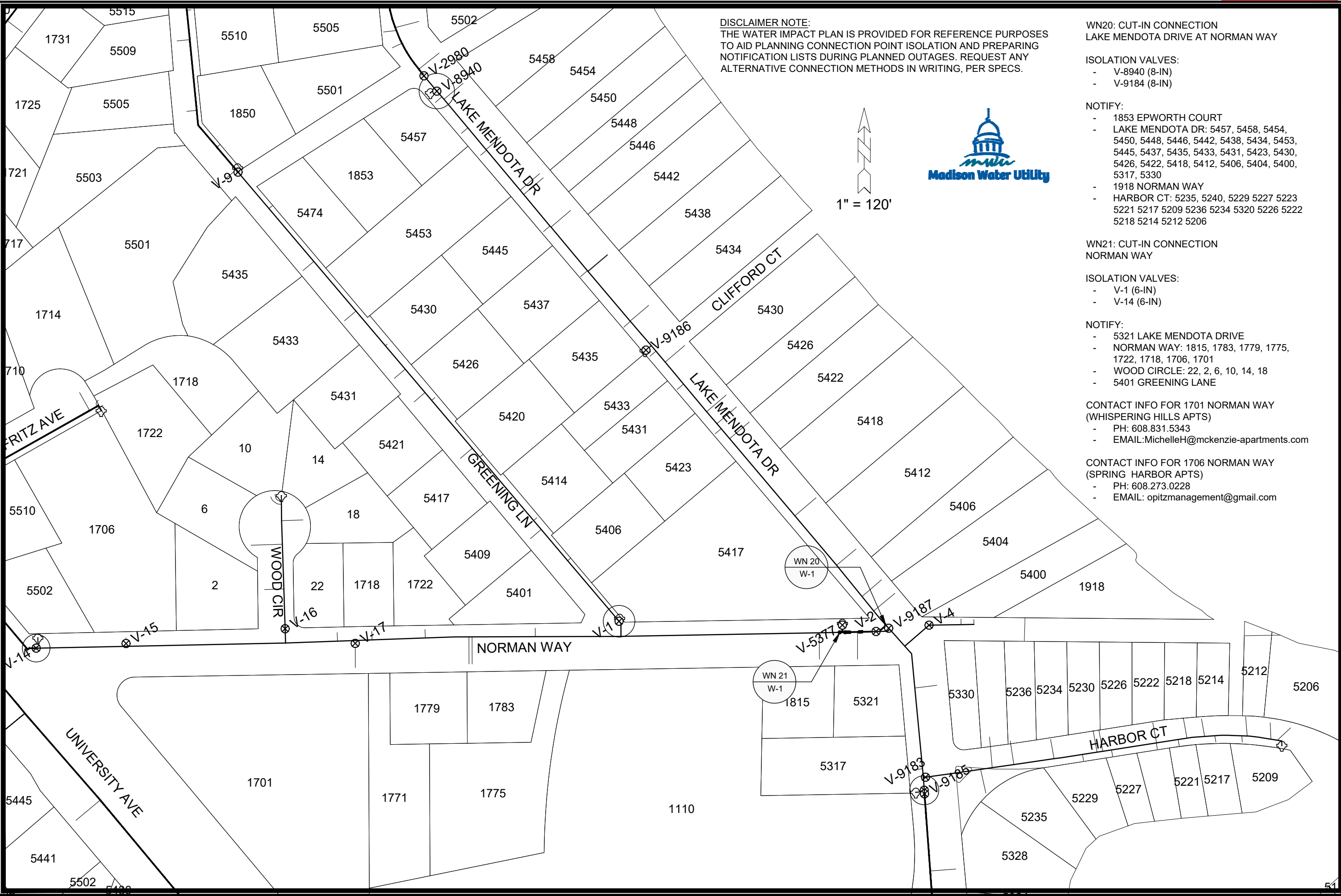
ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
NORMAN WAY				
Δ ULO6	212+13.97	RT-11.57	UG ELEC	TOP = 853.91; MG&E TO TEMP DE-ENERGIZE & REPLACE
Δ ULO7	211+29.42	RT-13.55	UG ELEC	TOP = 854.39; MG&E TO TEMP DE-ENERGIZE & REPLACE
Δ ULO8	211+10.81	RT-13.87	UG ELEC	TOP = 855.11; MG&E TO TEMP DE-ENERGIZE & REPLACE
Δ ULO9	210+99.15	RT-17.27	UG ELEC	TOP = 853.77; MG&E TO TEMP DE-ENERGIZE & REPLACE
Δ ULO11	210+25.13	LT-7.80	6" WAT MAIN	TOP = 852.15; NO CONFLCT
Δ ULO12	210+14.14	RT-14.89	WAT SERVICE LAT	TOP = 853.59; LOWER WAT ~3.5'
Δ ULO13	209+50.24	RT-9.87	WAT SERVICE LAT	TOP = 853.81; LOWER WAT ~3.5'
Δ ULO13A	209+52.21	RT-10.27	GAS LAT	TOP = 857.79; TO BE RELOC PER MG&E PLANS
Δ ULO14	208+45.09	LT-9.21	6" WAT MAIN	TOP = 854.92; LOWER WAT ~2.5'
Δ ULO14A	208+42.36	LT-12.53	GAS MAIN	TOP = 857.14; TO BE ABAN PER MG&E PLANS
HARBOR CT				
Δ ULO17	100+67.54	LT-15.85	1.5" GAS	TOP = 853.24; MG&E TO RELOC OR RAISE 1.5'



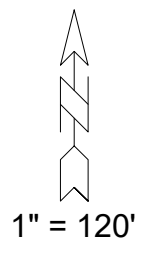
- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

14083	14083	W-1
MADISON, WI	REVISION	DATE
CONTRACT NO: 8743	Designed By: AUC	Date: 5/27/2024 3:52 PM
Scale: #####	MARK	BY
14083	14083	W-1

14083
 MADISON, WI
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
 CONTRACT NO: 8743
 M:\DESIGN\Projects\14083\CAD\Water\14083WU.dwg
 CITY OF MADISON WISCONSIN
 14083
 W-1



DISCLAIMER NOTE:
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.



- WN20: CUT-IN CONNECTION**
 LAKE MENDOTA DRIVE AT NORMAN WAY
- ISOLATION VALVES:**
- V-8940 (8-IN)
 - V-9184 (8-IN)
- NOTIFY:**
- 1853 EPWORTH COURT
 - LAKE MENDOTA DR: 5457, 5458, 5454, 5450, 5448, 5446, 5442, 5438, 5434, 5453, 5445, 5437, 5435, 5433, 5431, 5423, 5430, 5426, 5422, 5418, 5412, 5406, 5404, 5400, 5317, 5330
 - 1918 NORMAN WAY
 - HARBOR CT: 5235, 5240, 5229 5227 5223 5221 5217 5209 5236 5234 5320 5226 5222 5218 5214 5212 5206

- WN21: CUT-IN CONNECTION**
 NORMAN WAY
- ISOLATION VALVES:**
- V-1 (6-IN)
 - V-14 (6-IN)
- NOTIFY:**
- 5321 LAKE MENDOTA DRIVE
 - NORMAN WAY: 1815, 1783, 1779, 1775, 1722, 1718, 1706, 1701
 - WOOD CIRCLE: 22, 2, 6, 10, 14, 18
 - 5401 GREENING LANE

- CONTACT INFO FOR 1701 NORMAN WAY**
 (WHISPERING HILLS APTS)
- PH: 608.831.5343
 - EMAIL: MichelleH@mckenzie-apartments.com
- CONTACT INFO FOR 1706 NORMAN WAY**
 (SPRING HARBOR APTS)
- PH: 608.273.0228
 - EMAIL: opitzmanagement@gmail.com

SCALE: #####
 DESIGNED BY: NGM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 2/5/24

CONTRACT NO: 8743

LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
 WATER IMPACT PLAN
 CITY OF MADISON, WISCONSIN



14083
 W-2



CONSTRUCTION NOTES:

- | | |
|---|--|
| <ol style="list-style-type: none"> CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM CROSSINGS AND OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE. | <p>WN-1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|---|--|

WATER UTILITY ULO SCHEDULE

*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	80	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	1	EACH
70056	RECONNECT 1-INCH SERVICE LATERAL	1	EACH
70101	FURNISH AND INSTALL STYROFOAM	5	EACH
71013	6-IN MJ PLUG	1	EACH
71122	6-IN 45° BEND	1	EACH
71208	6X6-IN TEE	1	EACH
71210	8X6-IN TEE	1	EACH
71338	6X18-IN OFFSET	2	EACH

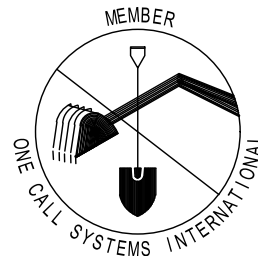
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE TOLL FREE 811 OR 1-800-242-8511

FAX-A-LOCATE 1-800-338-3860

TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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



*ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:

*ESTIMATE OF MATERIALS SALVAGED:

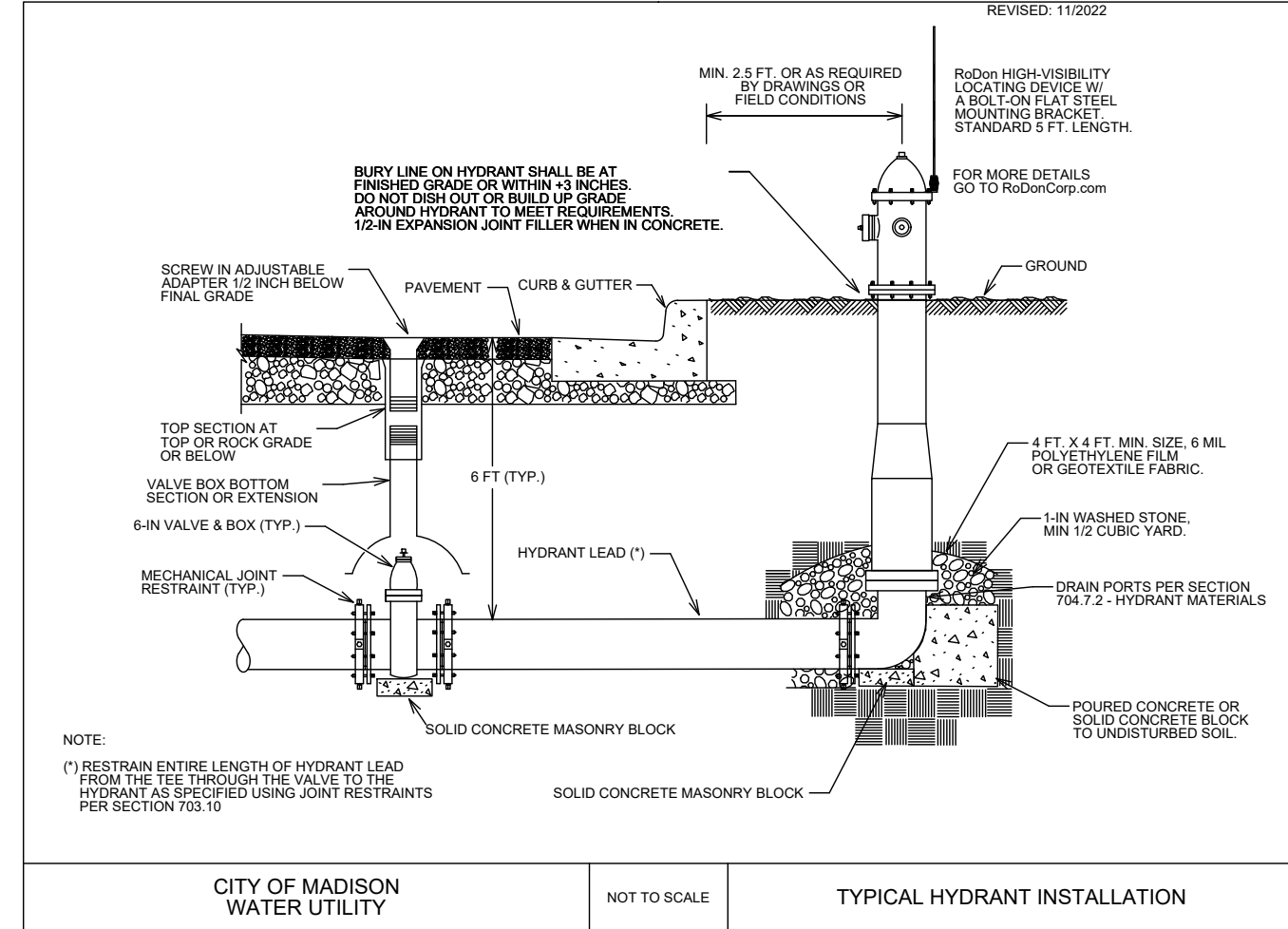
RELOCATED HYDRANT	1	EACH
RELOCATED 6-IN VALVE	1	EACH

* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04
REVISED: 11/2022



CITY OF MADISON WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024

WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN

SCALE: N/A

DESIGNED BY: NGM

MADISON WATER UTILITY

119 E OLIN AVE, MADISON, WI 53713

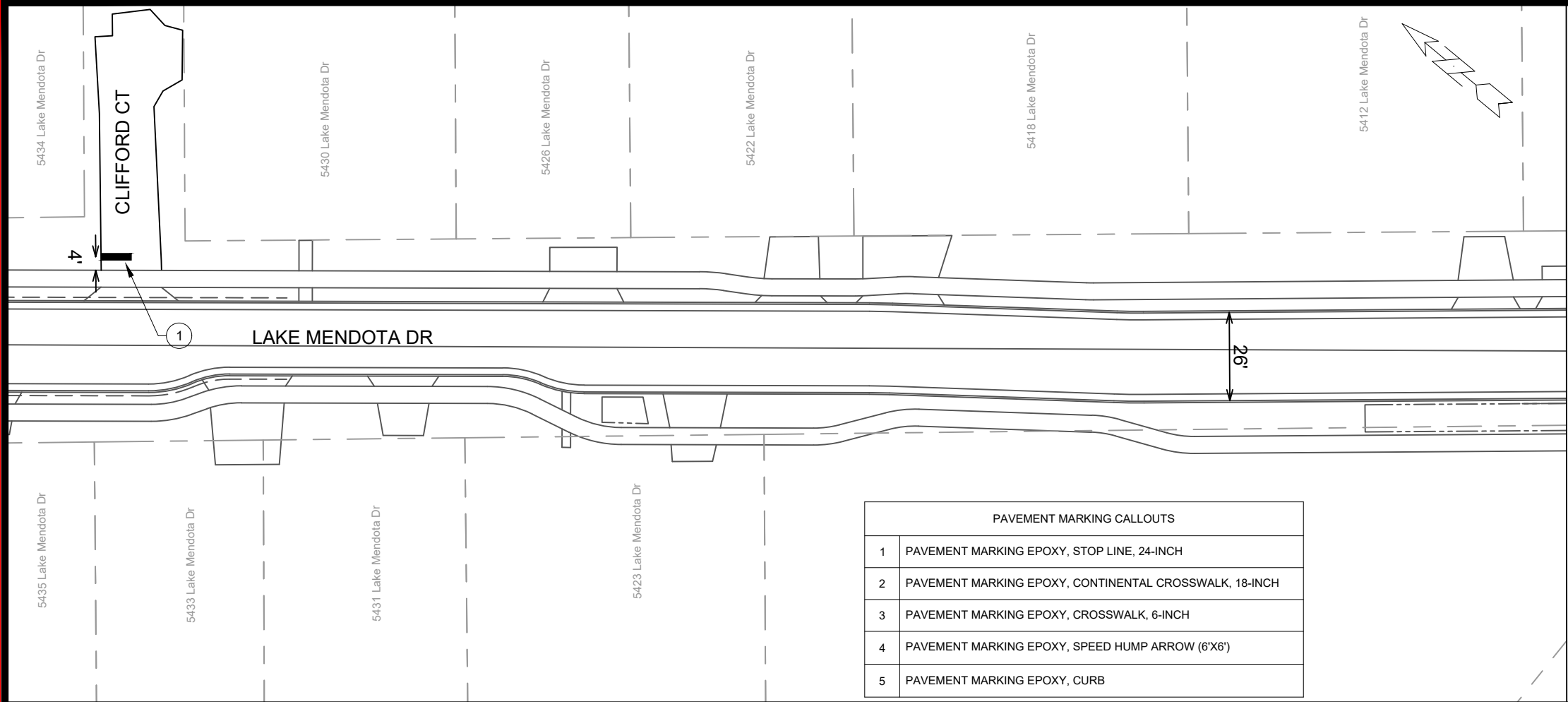
PRINTING DATE: 2/5/24

CONTRACT NO: 8743

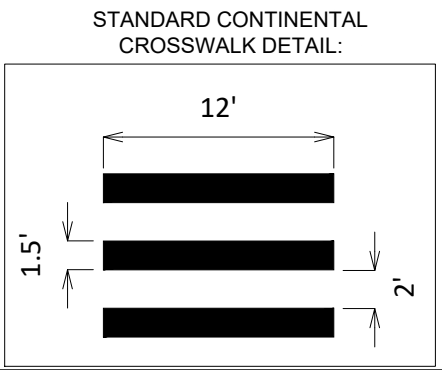
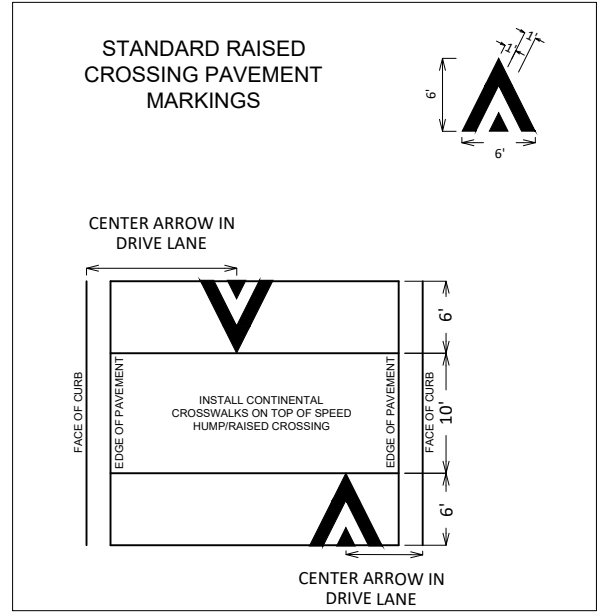


14083

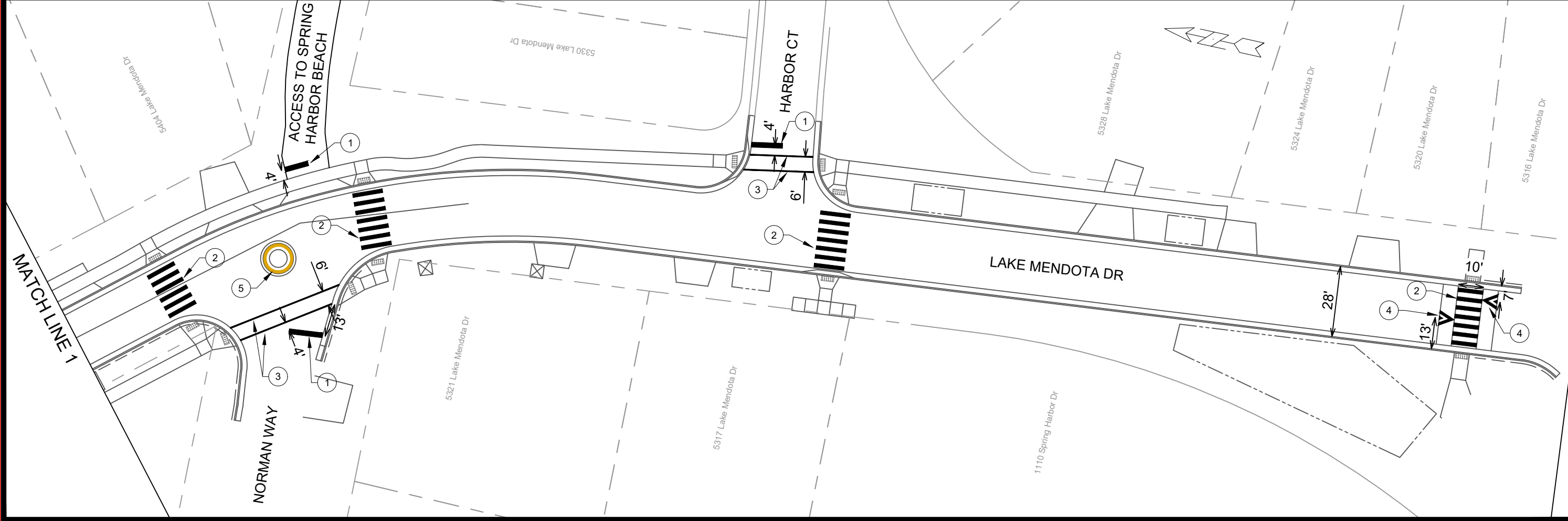
W-3



MATCH LINE 1



PAVEMENT MARKING CALLOUTS	
1	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
2	PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH
3	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH
4	PAVEMENT MARKING EPOXY, SPEED HUMP ARROW (6'X6')
5	PAVEMENT MARKING EPOXY, CURB



MATCH LINE 1

MARK	REVISION	DATE	BY
14083	2024/02/26	3:19 PM	PM-1

14083
MADISON, WI
8743
CONTRACT NO:

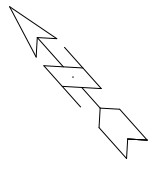
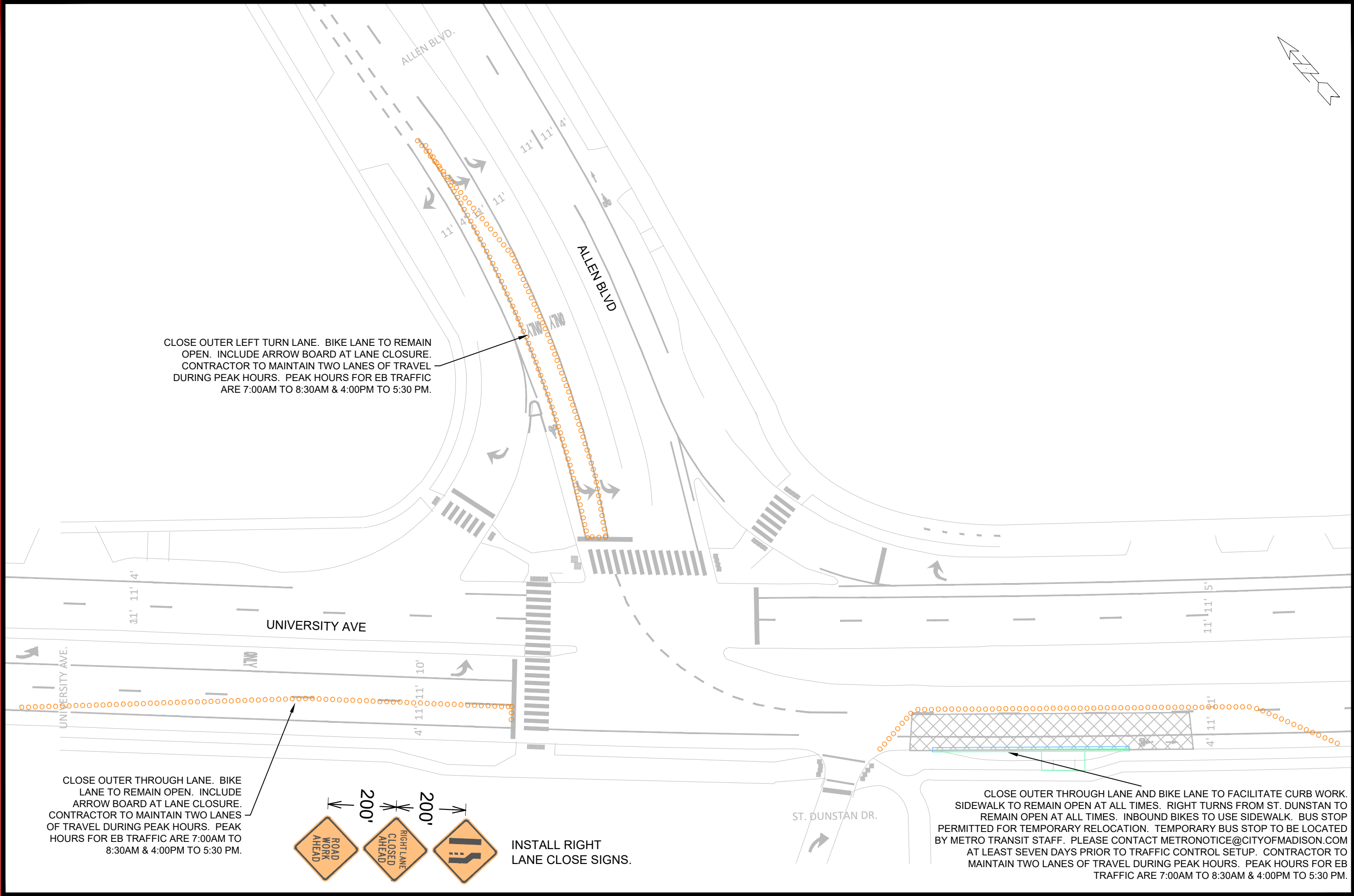
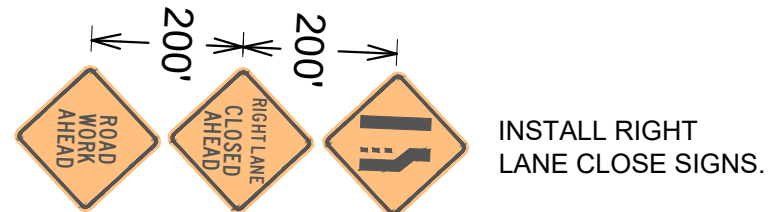
PAVEMENT MARKING PLAN
LAKE MENDOTA DRIVE - PHASE 3
M:\DESIGN\Projects\14083\CAD\Traffic\14083TE-PavementMarking.dwg

14083
PM-1

CLOSE OUTER LEFT TURN LANE. BIKE LANE TO REMAIN OPEN. INCLUDE ARROW BOARD AT LANE CLOSURE. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR EB TRAFFIC ARE 7:00AM TO 8:30AM & 4:00PM TO 5:30 PM.

CLOSE OUTER THROUGH LANE. BIKE LANE TO REMAIN OPEN. INCLUDE ARROW BOARD AT LANE CLOSURE. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR EB TRAFFIC ARE 7:00AM TO 8:30AM & 4:00PM TO 5:30 PM.

CLOSE OUTER THROUGH LANE AND BIKE LANE TO FACILITATE CURB WORK. SIDEWALK TO REMAIN OPEN AT ALL TIMES. RIGHT TURNS FROM ST. DUNSTAN TO REMAIN OPEN AT ALL TIMES. INBOUND BIKES TO USE SIDEWALK. BUS STOP PERMITTED FOR TEMPORARY RELOCATION. TEMPORARY BUS STOP TO BE LOCATED BY METRO TRANSIT STAFF. PLEASE CONTACT METRONOTICE@CITYOFMADISON.COM AT LEAST SEVEN DAYS PRIOR TO TRAFFIC CONTROL SETUP. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR EB TRAFFIC ARE 7:00AM TO 8:30AM & 4:00PM TO 5:30 PM.



MARK	REVISION	DATE	BY

Designed By: LMC
Date: 10/12/2024 11:46 AM
Scale: 1" = 40'
14083
TC-1

14083
MADISON, WI
8743
CONTRACT NO:

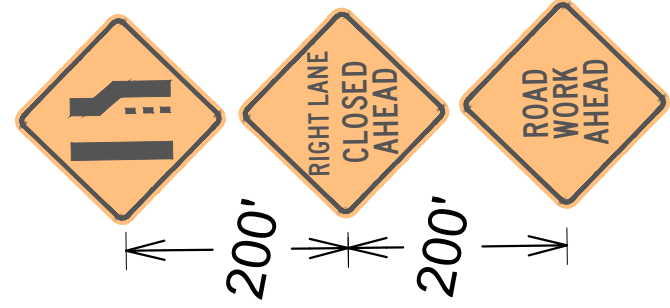
TRAFFIC CONTROL - UNIVERSITY AVE & ALLEN BLVD
LAKE MENDOTA DRIVE - PHASE 3

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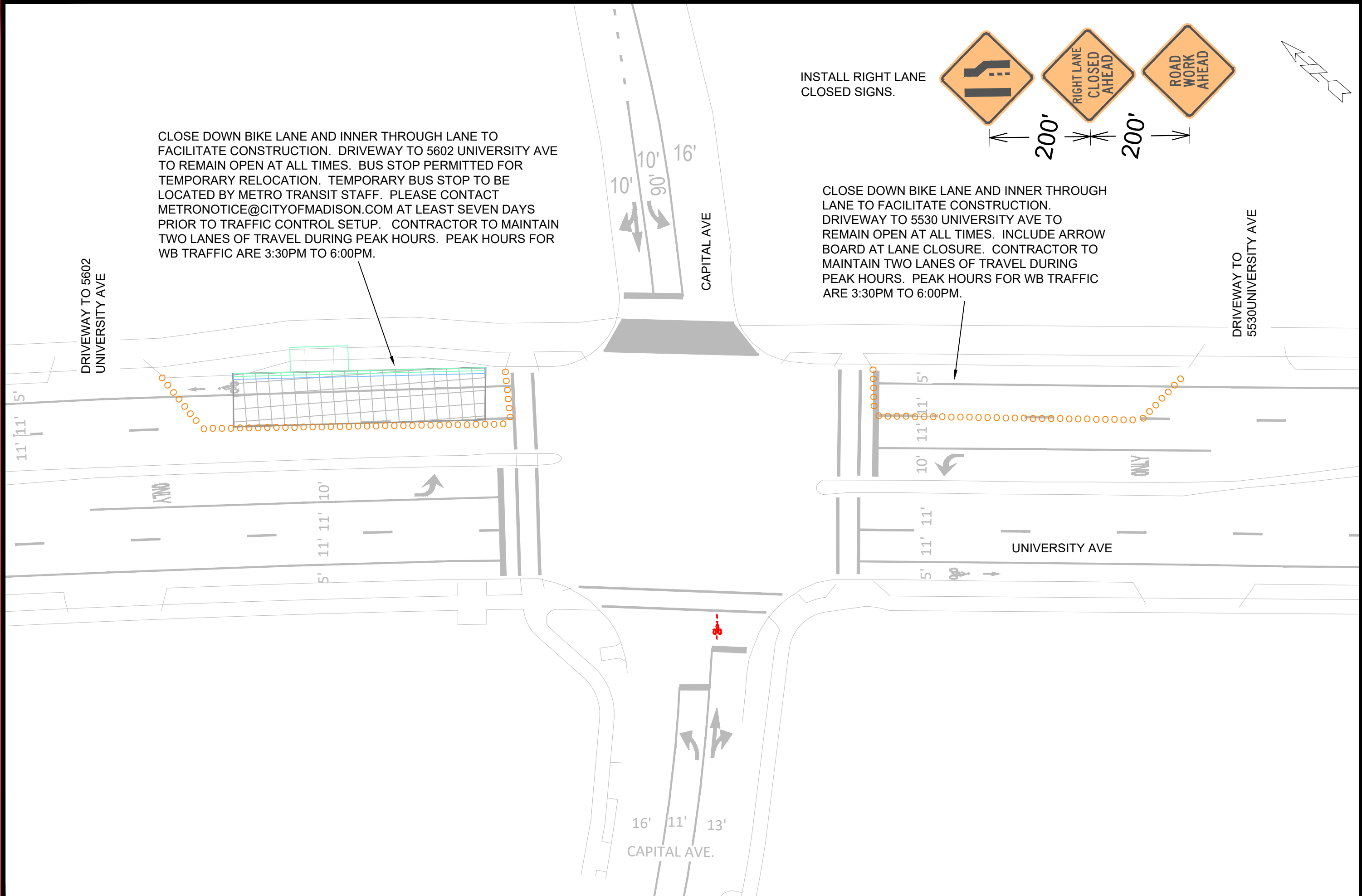
14083
TC-1

CLOSE DOWN BIKE LANE AND INNER THROUGH LANE TO FACILITATE CONSTRUCTION. DRIVEWAY TO 5602 UNIVERSITY AVE TO REMAIN OPEN AT ALL TIMES. BUS STOP PERMITTED FOR TEMPORARY RELOCATION. TEMPORARY BUS STOP TO BE LOCATED BY METRO TRANSIT STAFF. PLEASE CONTACT METRONOTICE@CITYOFMADISON.COM AT LEAST SEVEN DAYS PRIOR TO TRAFFIC CONTROL SETUP. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.

INSTALL RIGHT LANE CLOSED SIGNS.



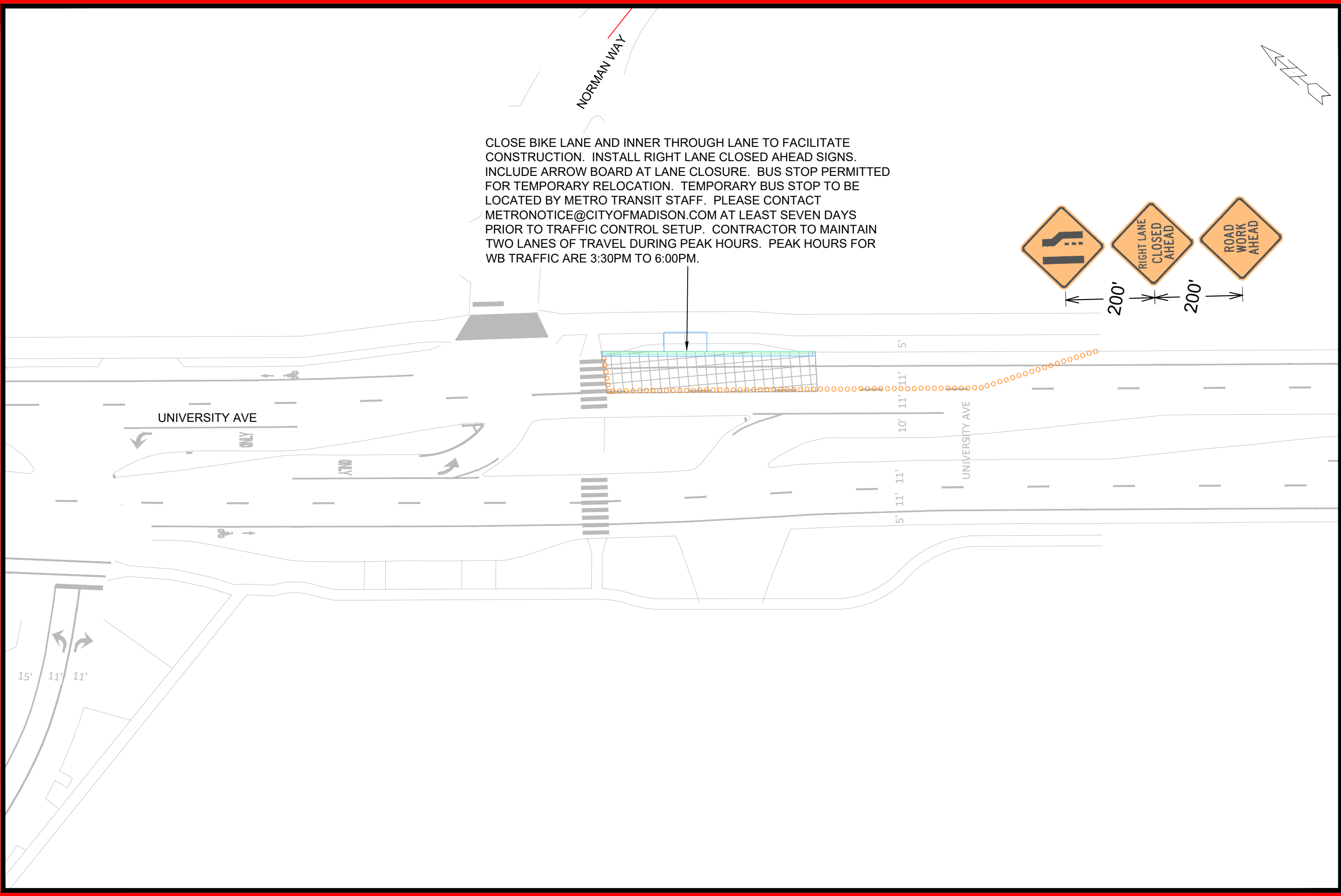
CLOSE DOWN BIKE LANE AND INNER THROUGH LANE TO FACILITATE CONSTRUCTION. DRIVEWAY TO 5530 UNIVERSITY AVE TO REMAIN OPEN AT ALL TIMES. INCLUDE ARROW BOARD AT LANE CLOSURE. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.



TRAFFIC CONTROL - UNIVERSITY AVE & CAPITAL AVE		14083
LAKE MENDOTA DRIVE - PHASE 3		MADISON, WI
M:\DESIGN\Projects\14083\CAD\Traffic\14083TE-TrafficControl.dwg		8743
CONTRACT NO:		TC-2

MARK	REVISION	DATE	BY

Designed By: LMC Date: 10/12/2024 11:47 AM Scale: 1/30



CLOSE BIKE LANE AND INNER THROUGH LANE TO FACILITATE CONSTRUCTION. INSTALL RIGHT LANE CLOSED AHEAD SIGNS. INCLUDE ARROW BOARD AT LANE CLOSURE. BUS STOP PERMITTED FOR TEMPORARY RELOCATION. TEMPORARY BUS STOP TO BE LOCATED BY METRO TRANSIT STAFF. PLEASE CONTACT METRONOTICE@CITYOFMADISON.COM AT LEAST SEVEN DAYS PRIOR TO TRAFFIC CONTROL SETUP. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.

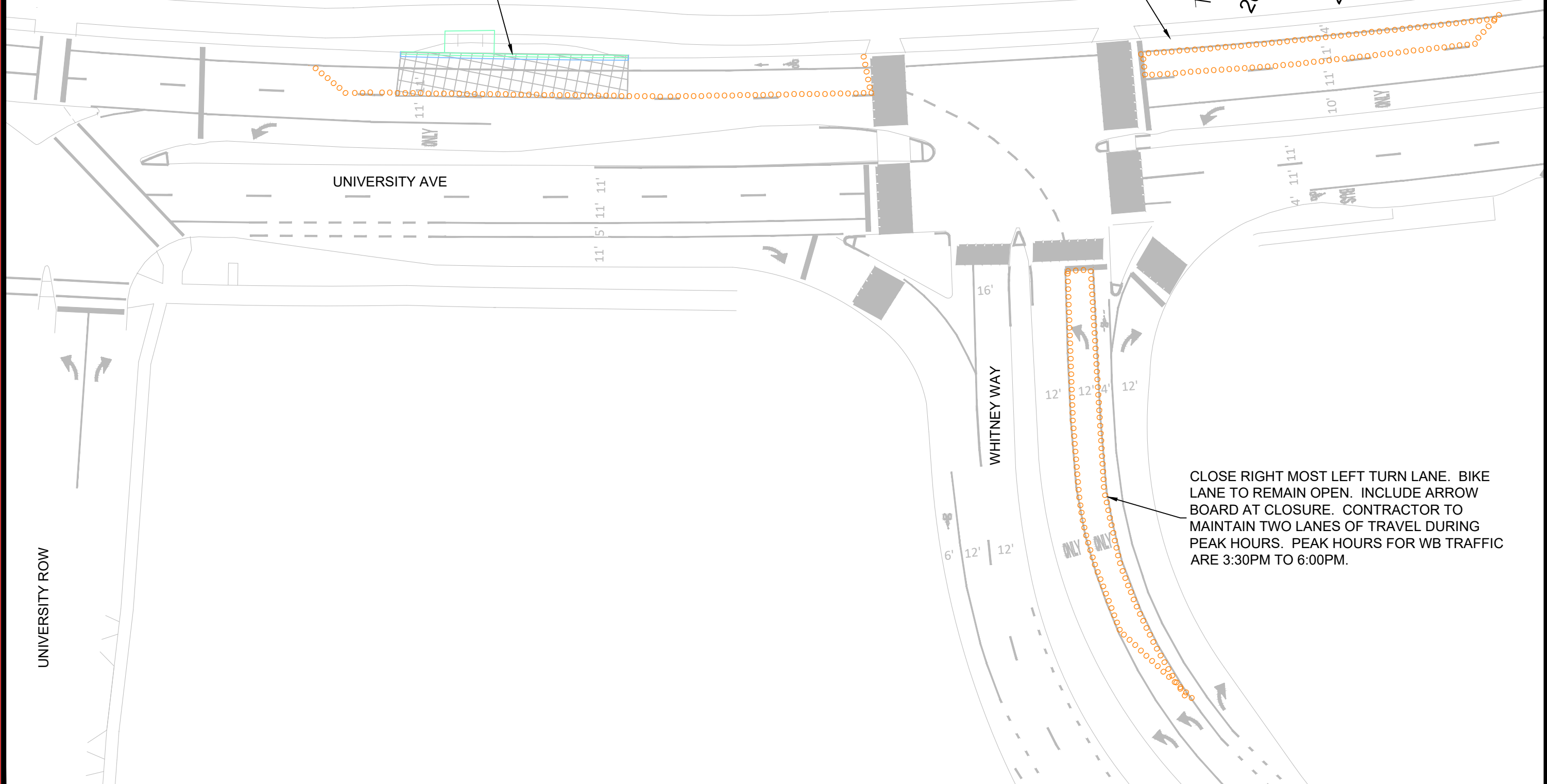
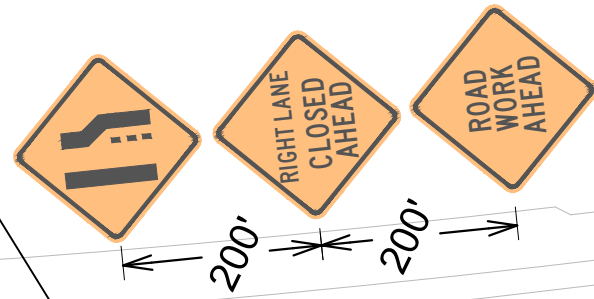
MARK	REVISION	DATE	BY
14083	TC-3	11/14/2024	LMC

14083
 MADISON, WI
 8743
 CONTRACT NO:
 14083TE-TrafficControl.dwg


 14083
 TC-3

CLOSE BIKE LANE AND THROUGH LANE TO FACILITATE CONSTRUCTION. BUS STOP PERMITTED FOR TEMPORARY RELOCATION. TEMPORARY BUS STOP TO BE LOCATED BY METRO TRANSIT STAFF. PLEASE CONTACT METRONOTICE@CITYOFMADISON.COM AT LEAST SEVEN DAYS PRIOR TO TRAFFIC CONTROL SETUP. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.

CLOSE BIKE LANE AND THROUGH LANE TO FACILITATE CONSTRUCTION. INSTALL ARROW BOARD AT LANE CLOSURE. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.



CLOSE RIGHT MOST LEFT TURN LANE. BIKE LANE TO REMAIN OPEN. INCLUDE ARROW BOARD AT CLOSURE. CONTRACTOR TO MAINTAIN TWO LANES OF TRAVEL DURING PEAK HOURS. PEAK HOURS FOR WB TRAFFIC ARE 3:30PM TO 6:00PM.

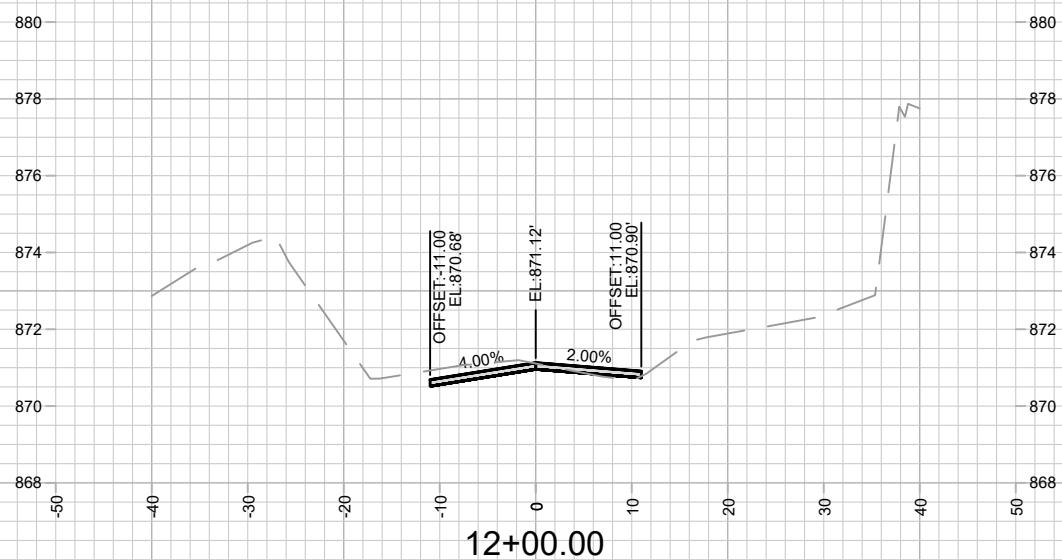
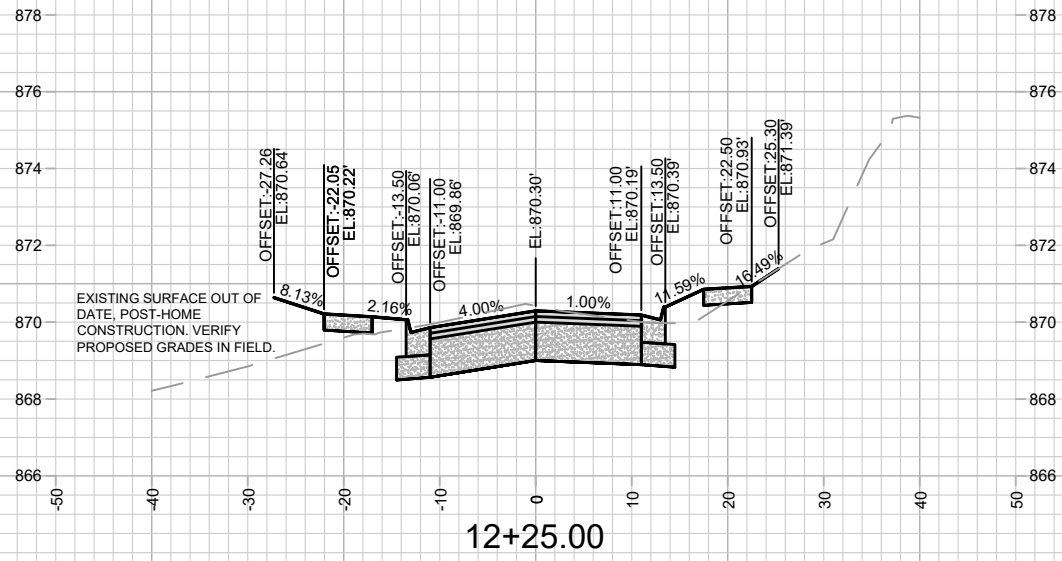
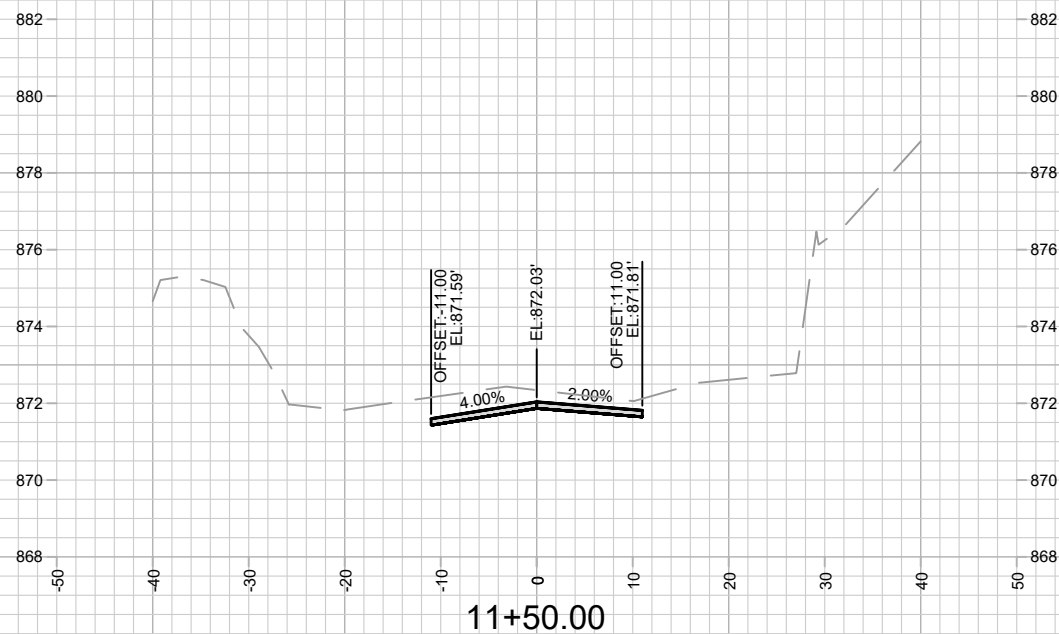
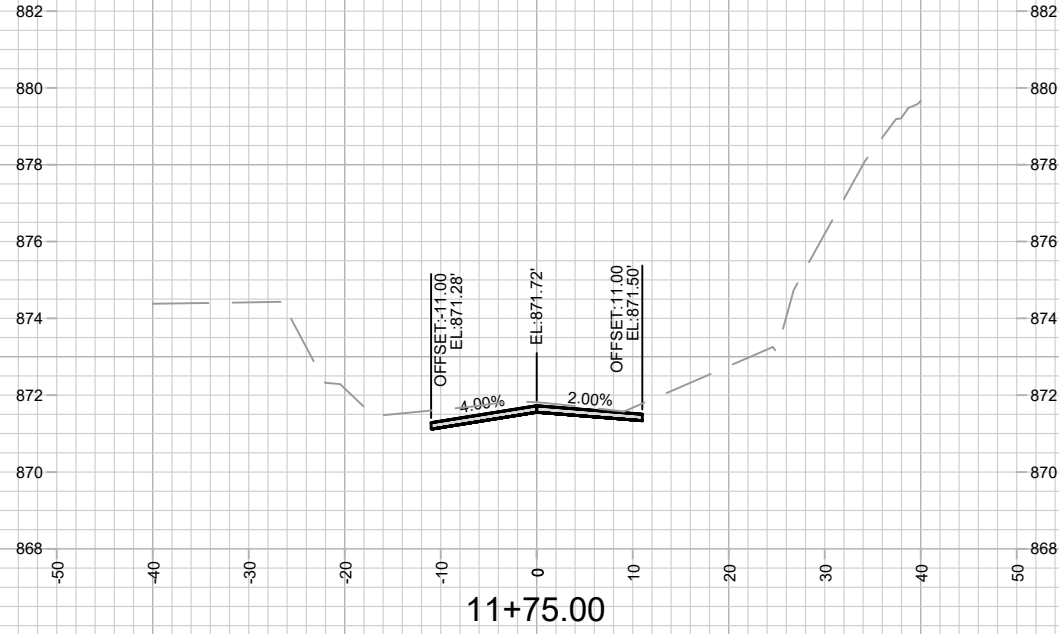
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 14083
 TC-4

14083
 MADISON, WI
 CONTRACT NO.: 8743
 TRAFFIC CONTROL - UNIVERSITY AVE & WHITNEY WAY
 LAKE MENDOTA DRIVE - PHASE 3
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14083
 TC-4



MARK	REVISION	DATE	BY

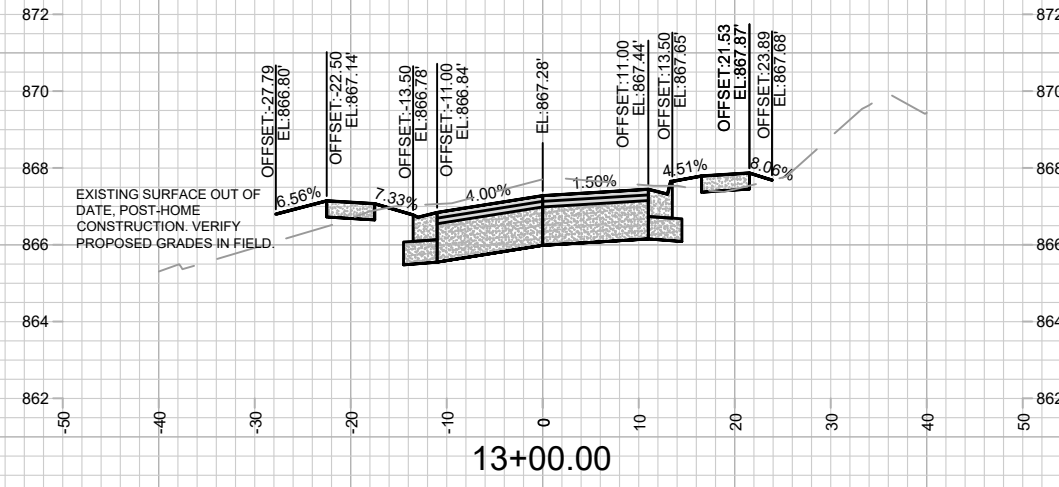
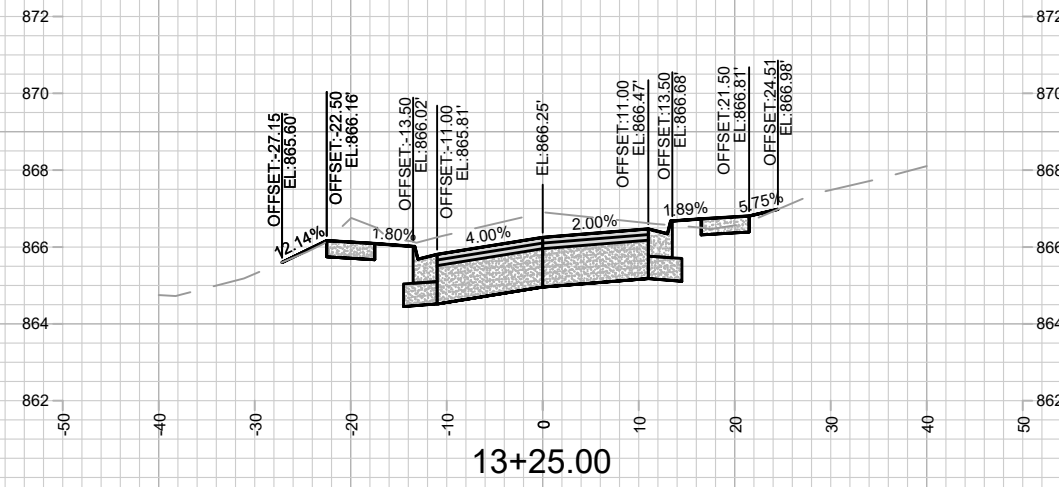
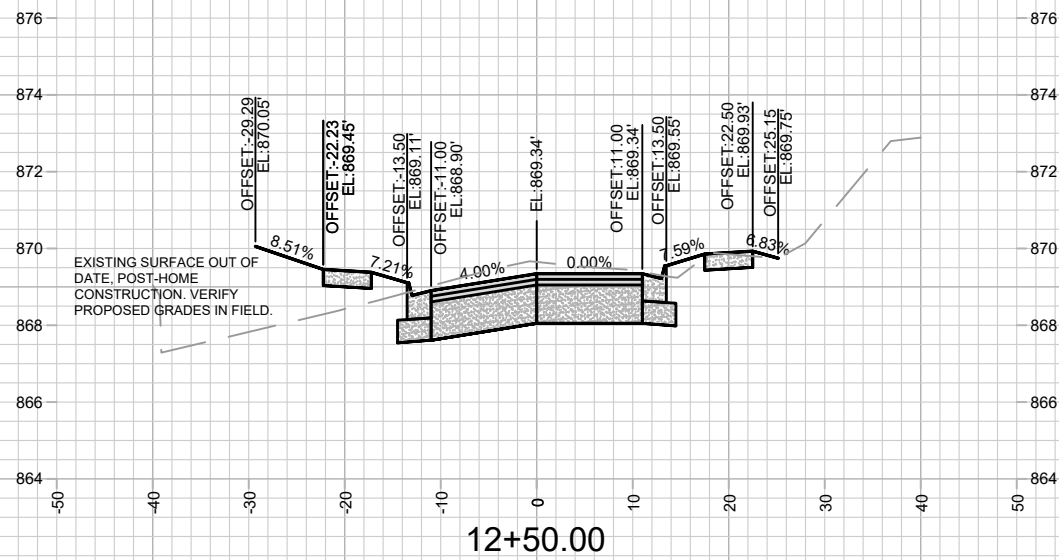
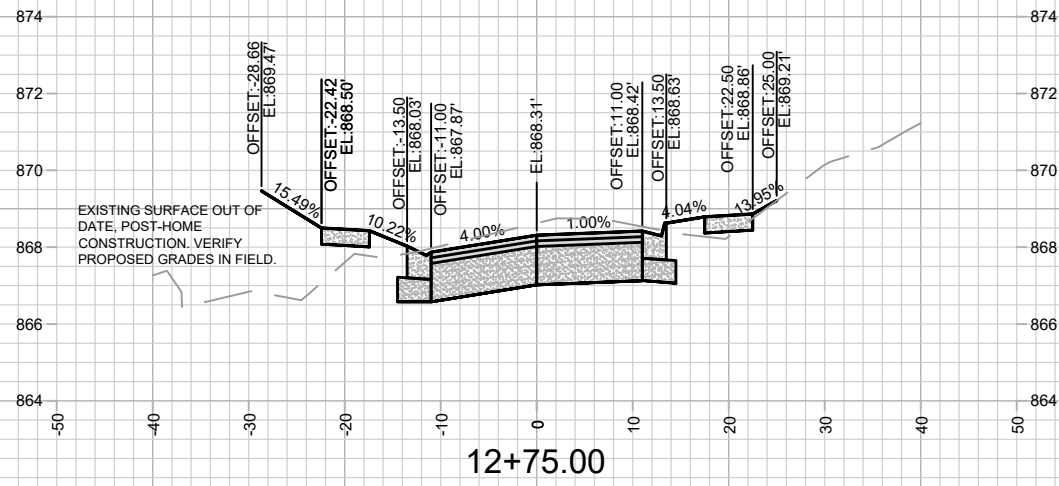
14083
MADISON, WI
8743
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
X-1

Designed By: AJC
Date: 2/6/2024 6:29 AM
Scale: 1" = 20'
X-1



MARK	REVISION	DATE	BY

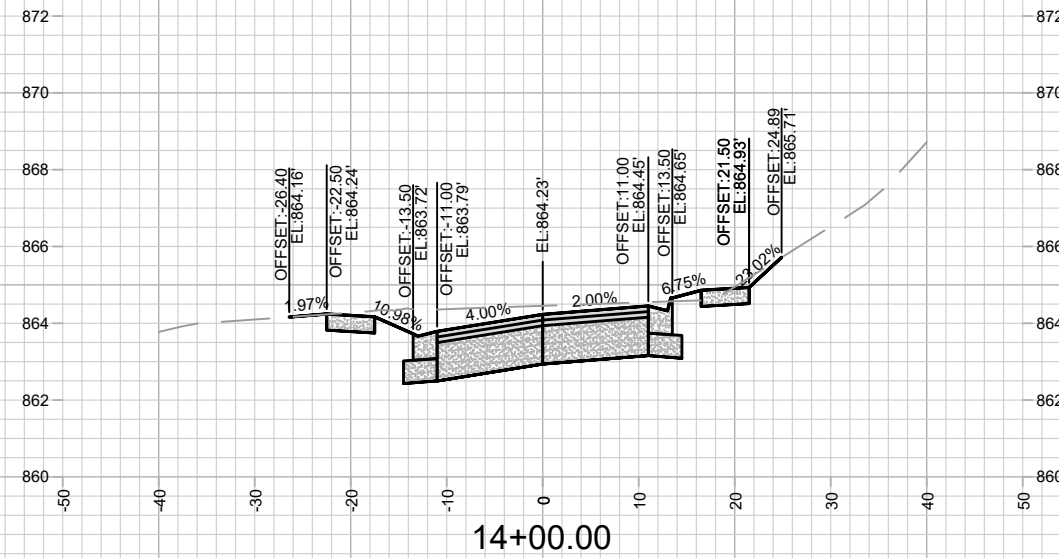
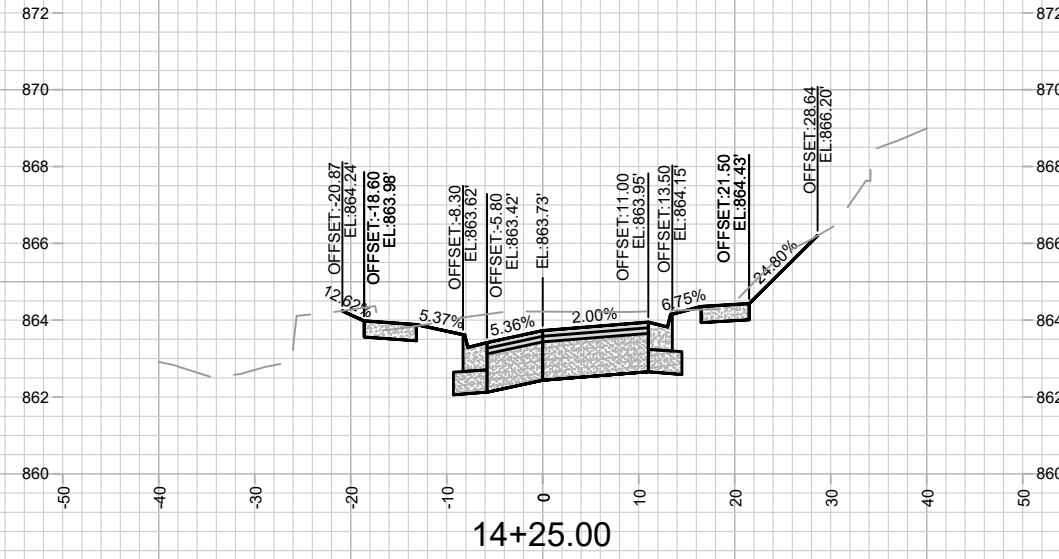
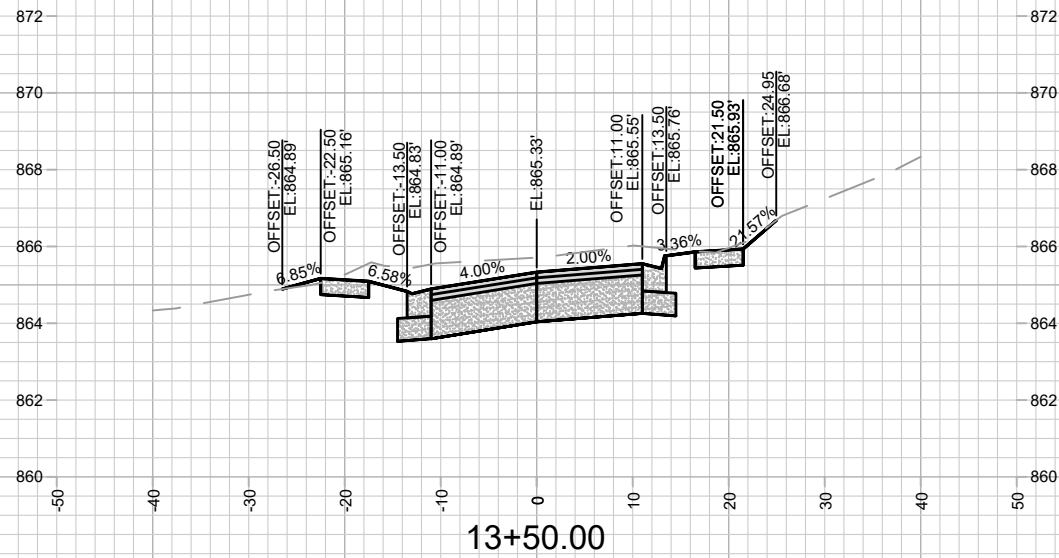
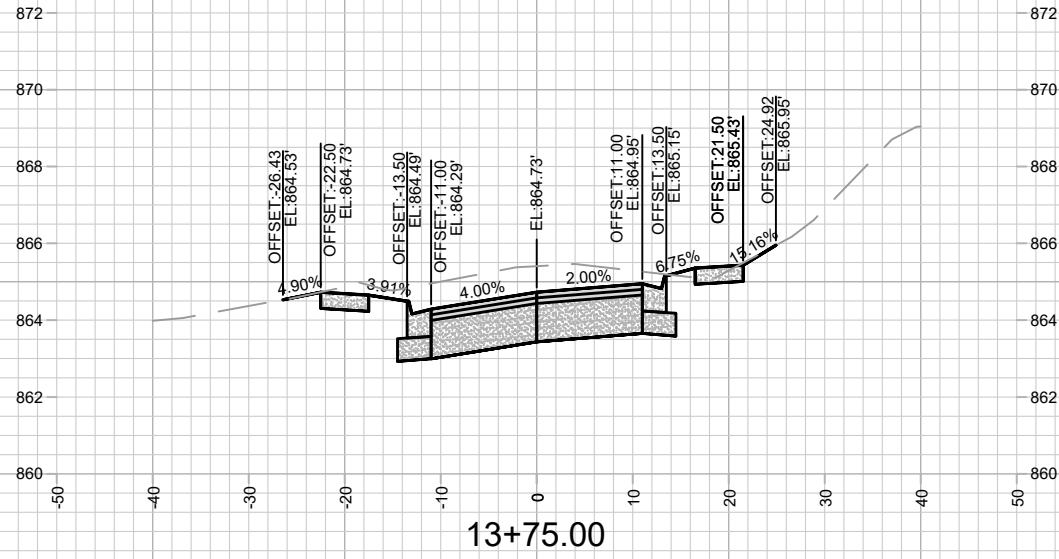
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14083
MADISON, WI
8743
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
X-2

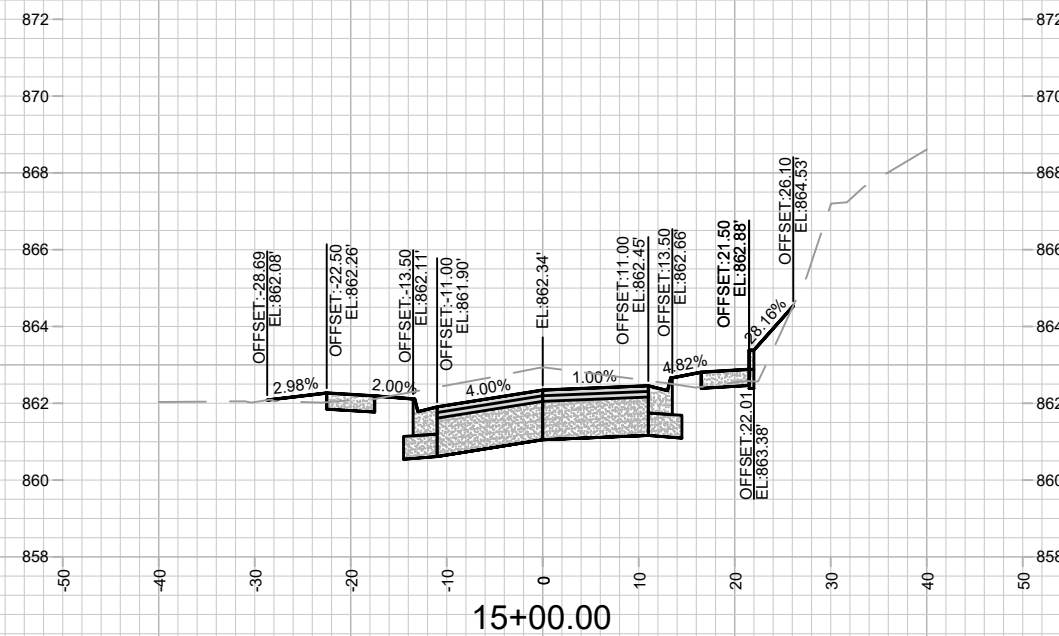
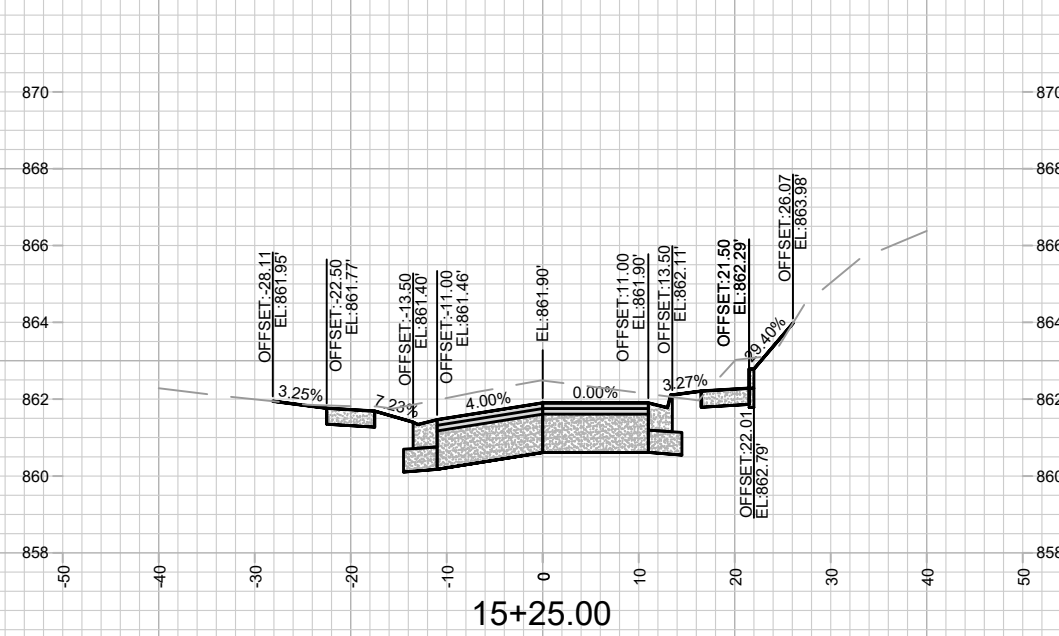
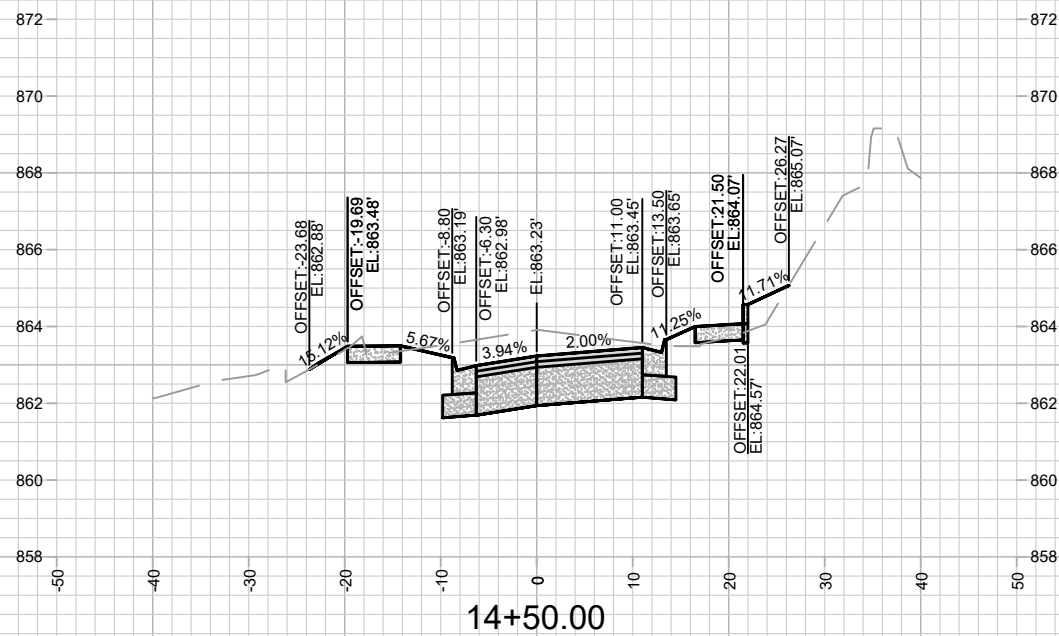
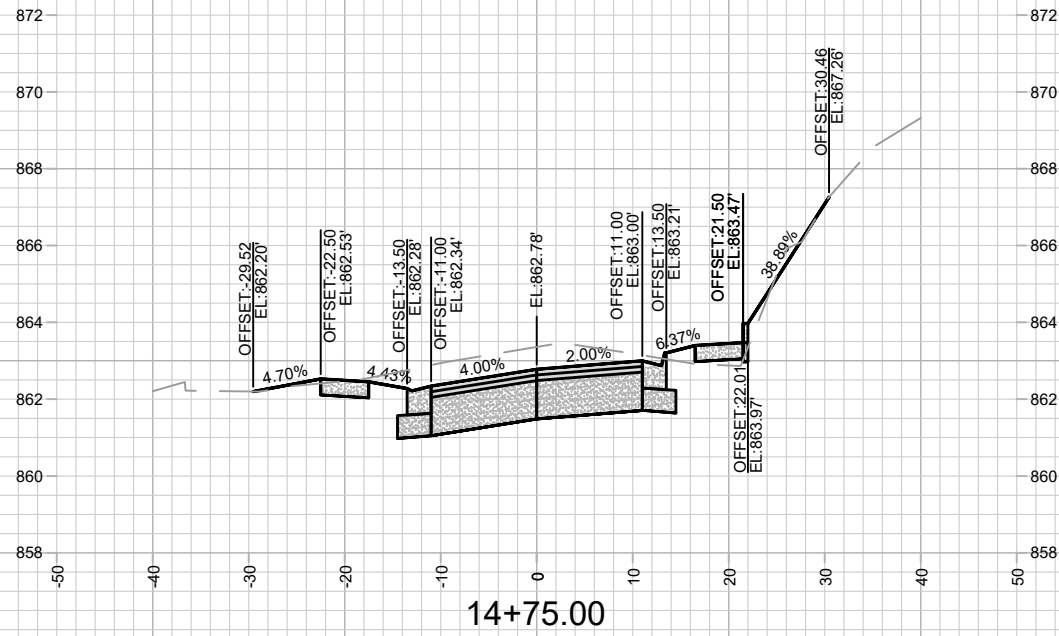


MARK	REVISION	DATE	BY

14083
 MADISON, WI
 8743
 CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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MARK	REVISION	DATE	BY

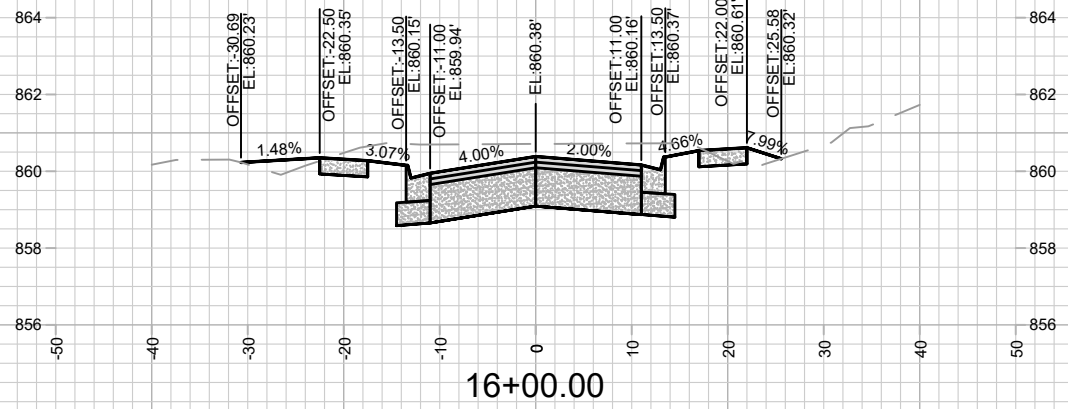
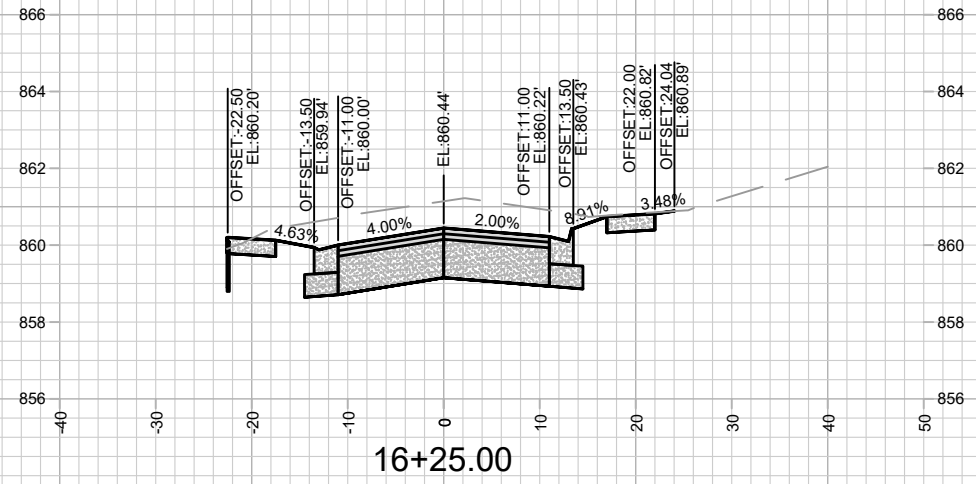
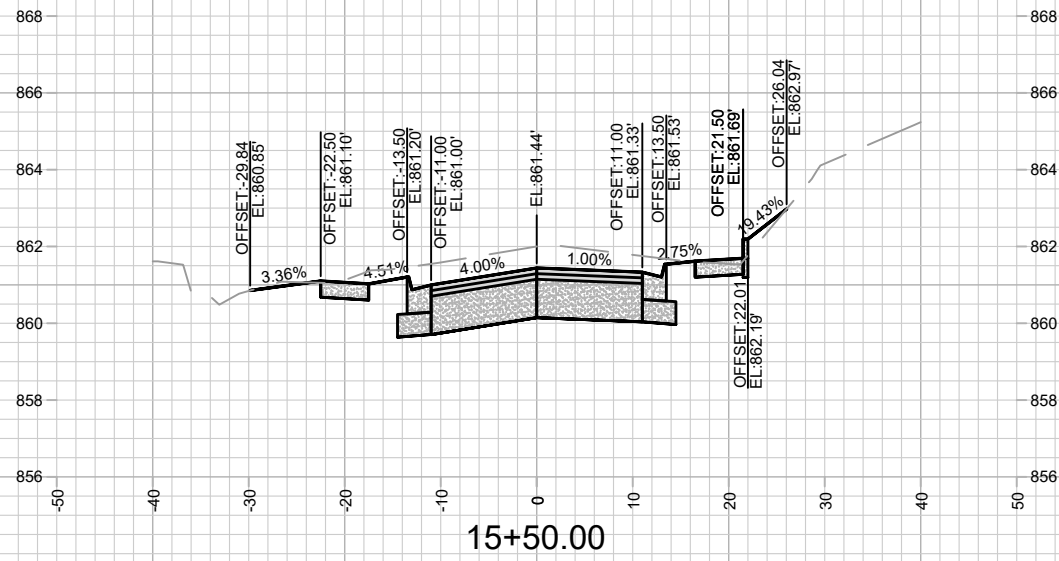
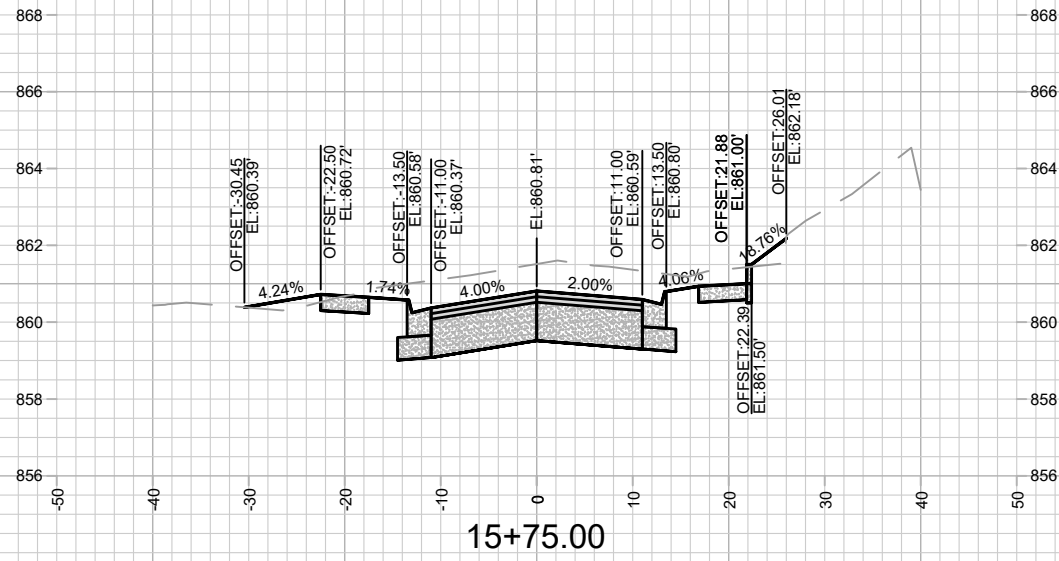
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MADISON, WI
8743
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
X-4

Designed By: AJC
Date: 2/6/2024 6:30 AM
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X-4



MARK	REVISION	DATE	BY

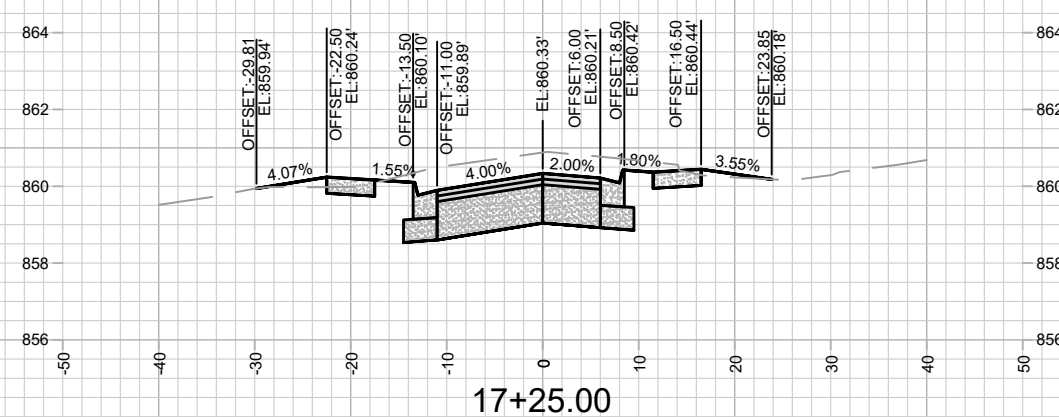
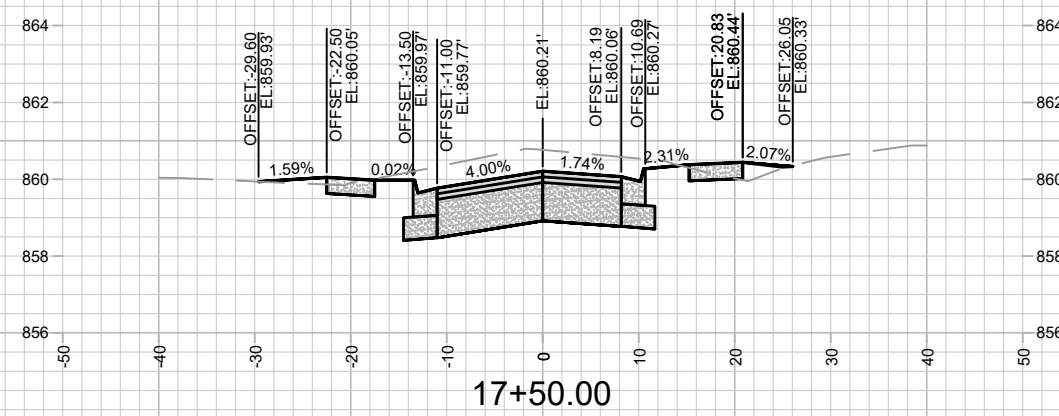
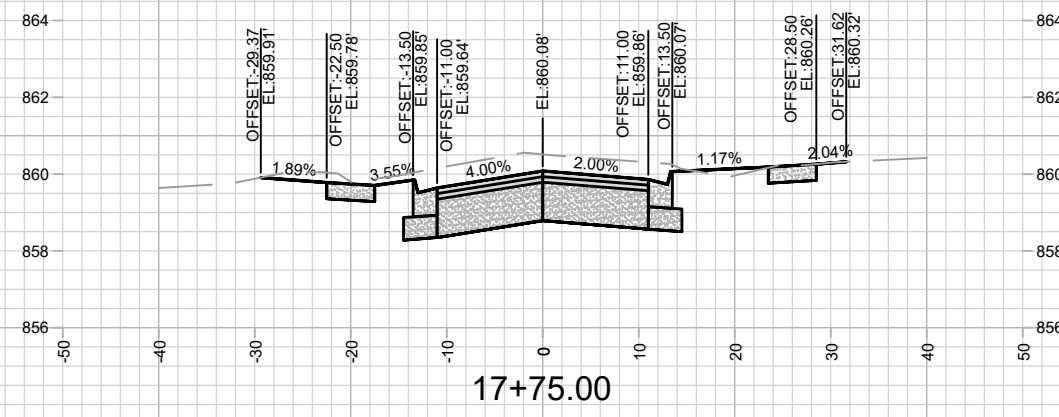
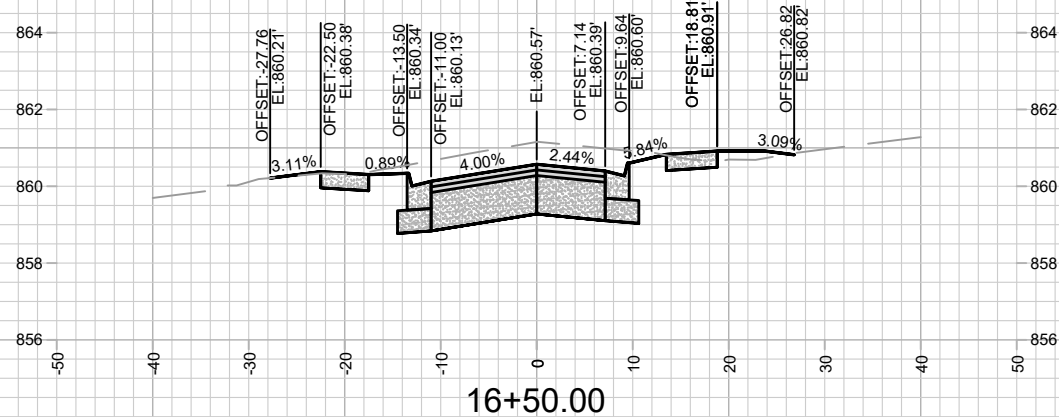
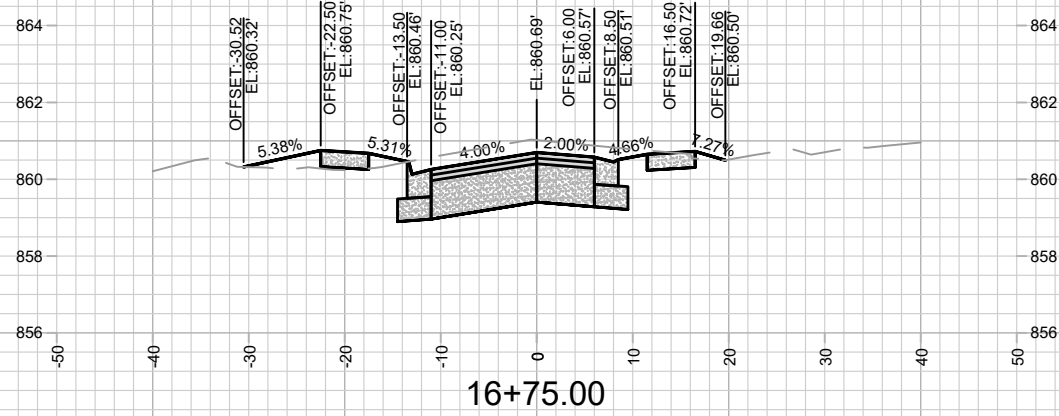
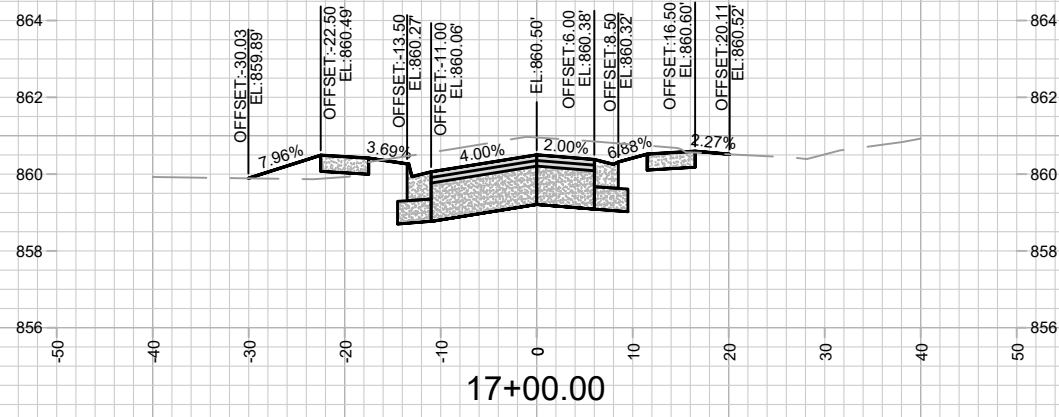
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MADISON, WI
8743
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
X-5

Scale: 1" = 20'



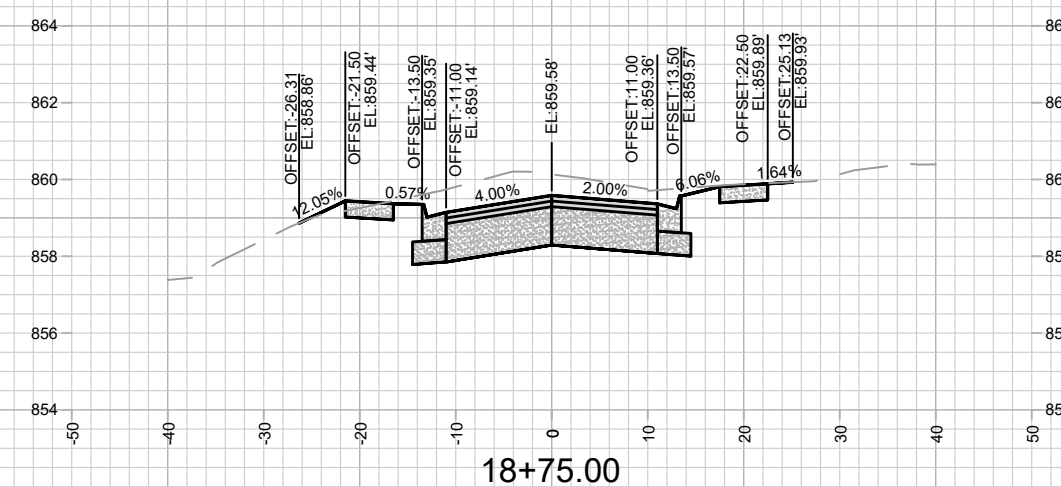
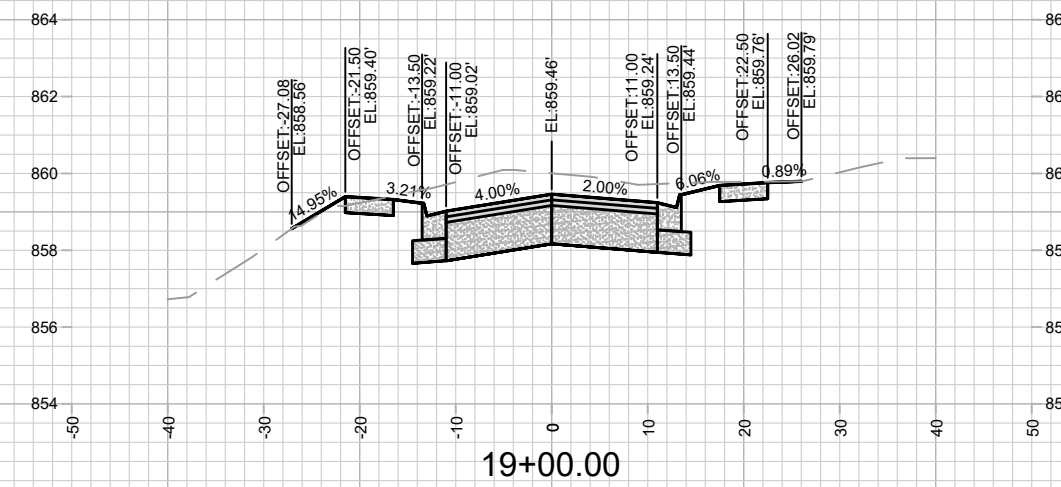
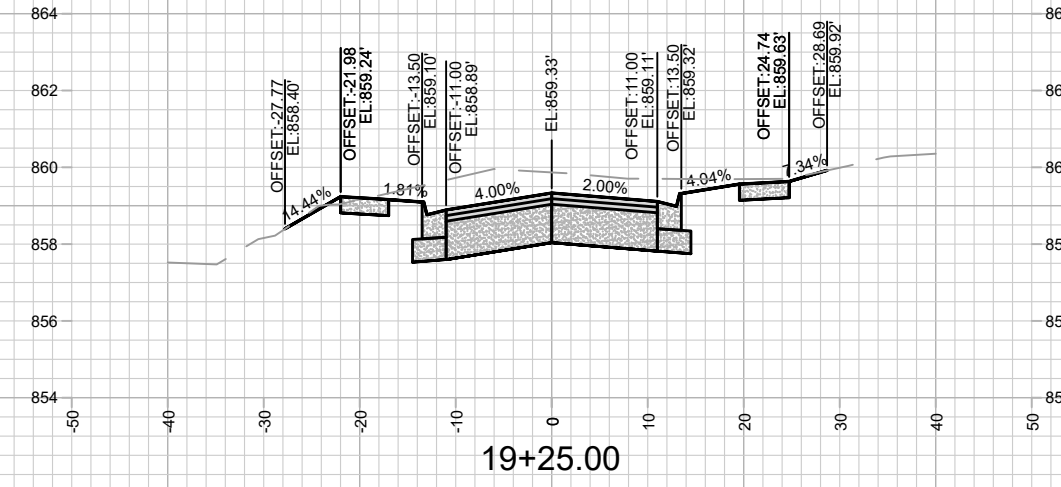
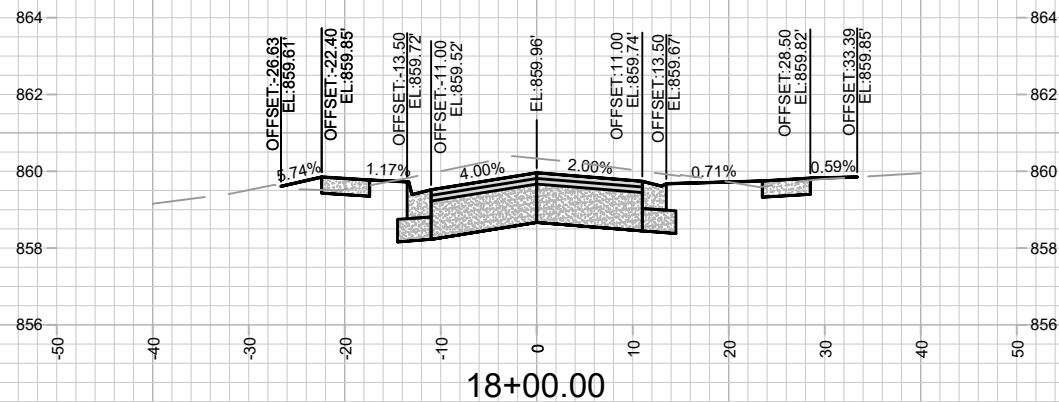
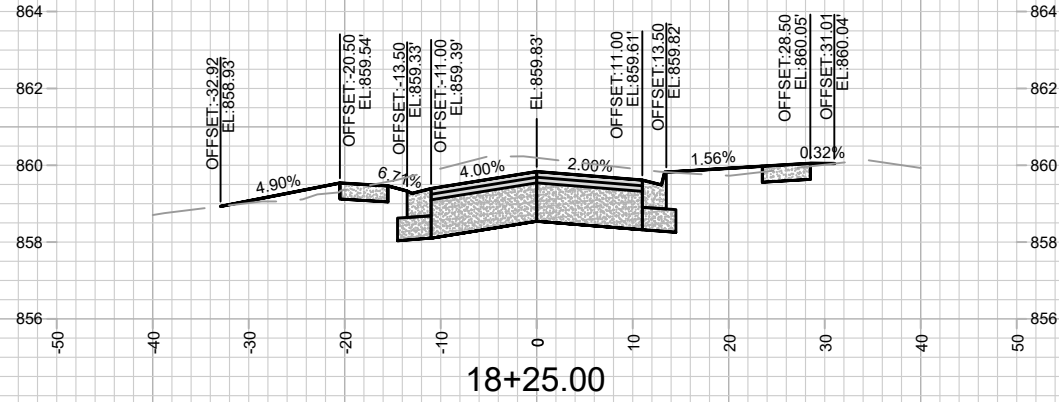
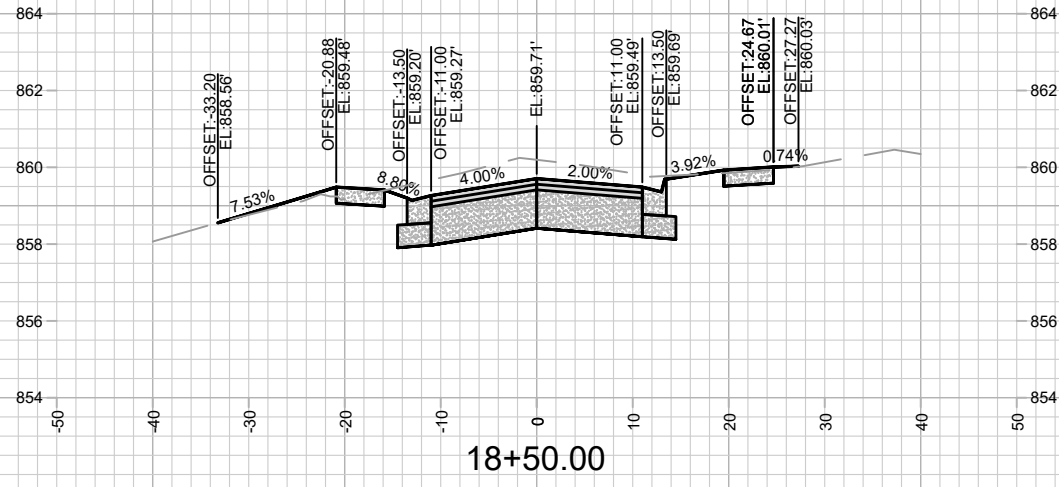
MARK	REVISION	DATE	BY

14083
MADISON, WI
8743
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
X-6



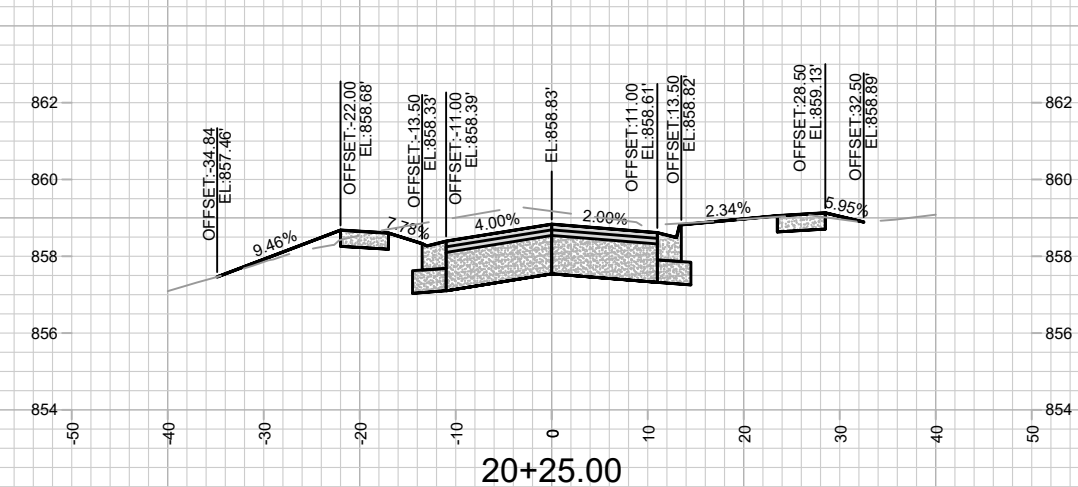
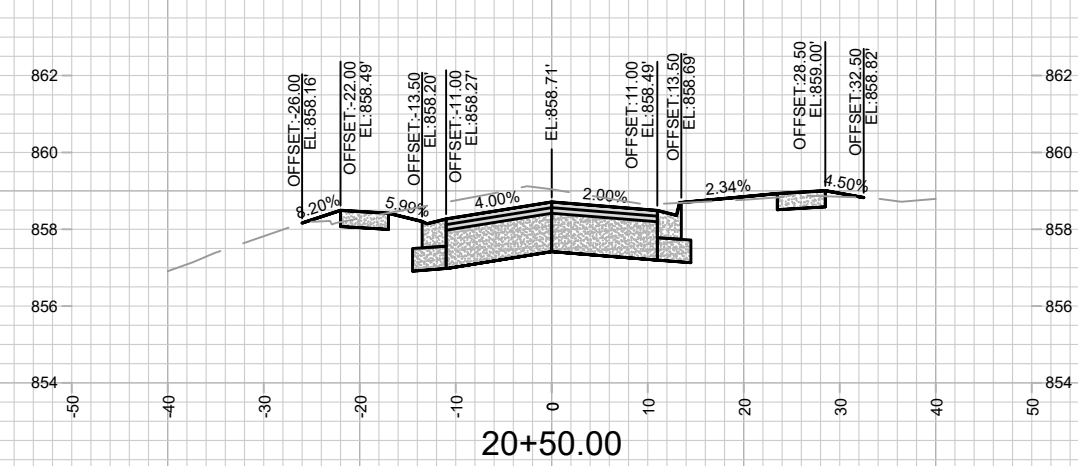
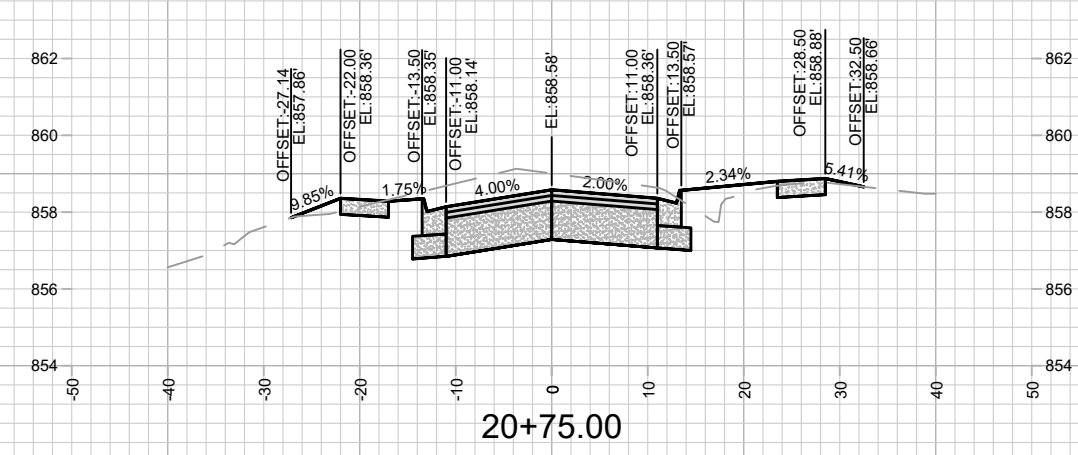
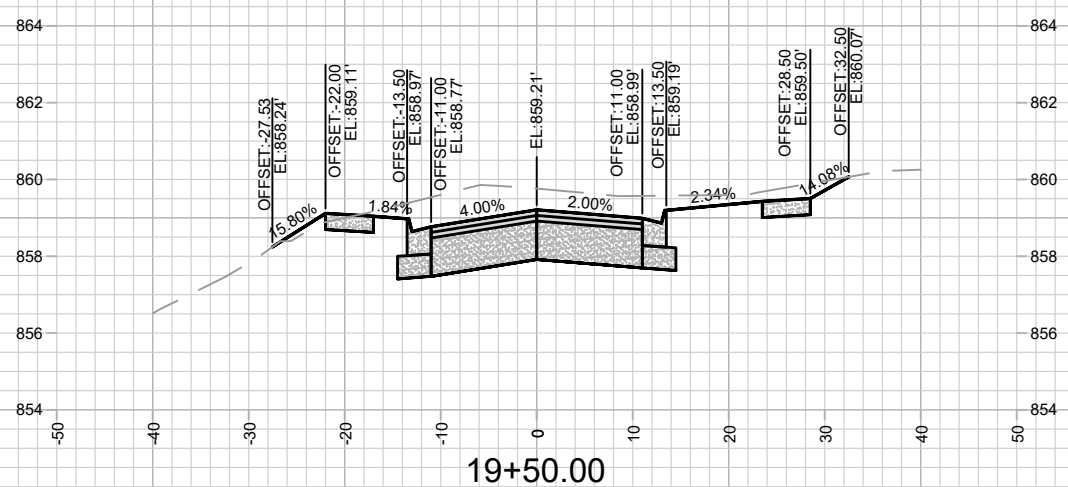
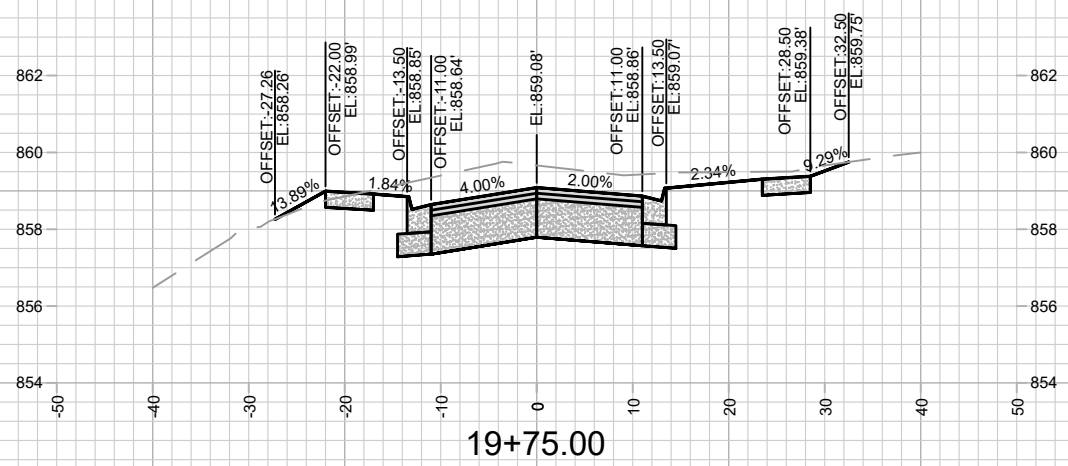
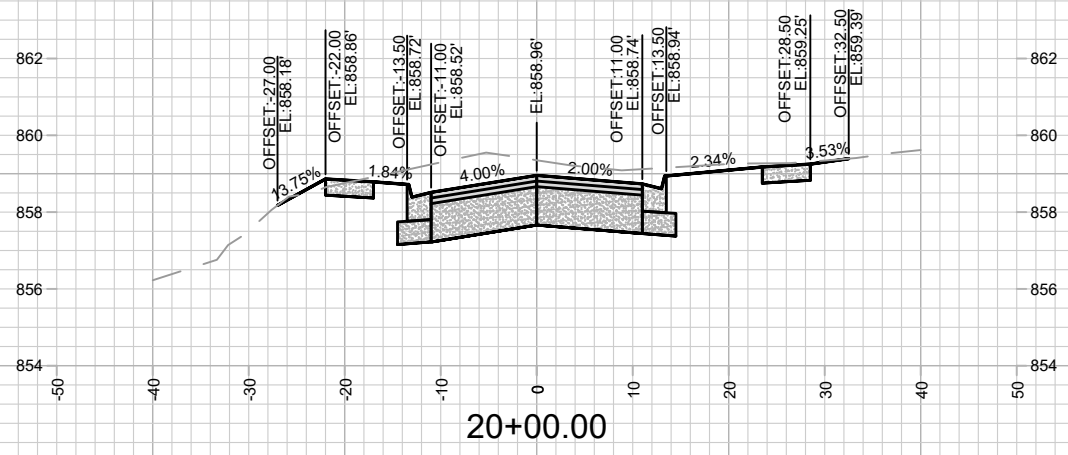
MARK	REVISION	DATE	BY

14083
 MADISON, WI
 CONTRACT NO: 8743

LAKE MENDOTA DRIVE - CROSS SECTIONS
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
 X-7



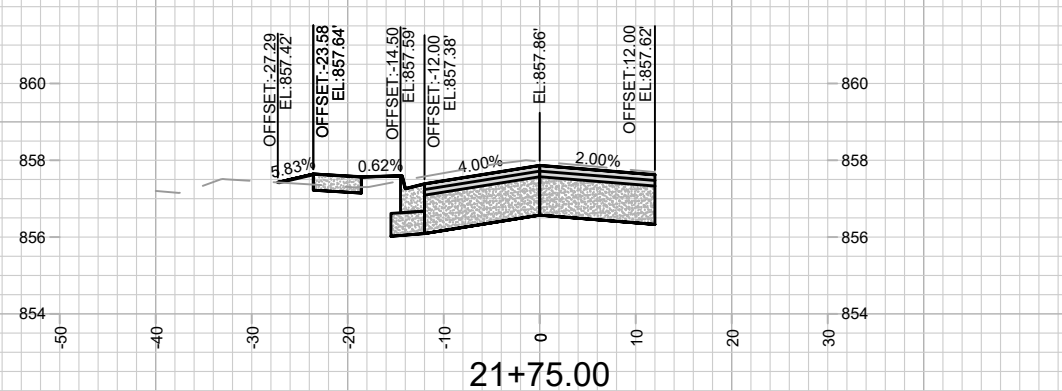
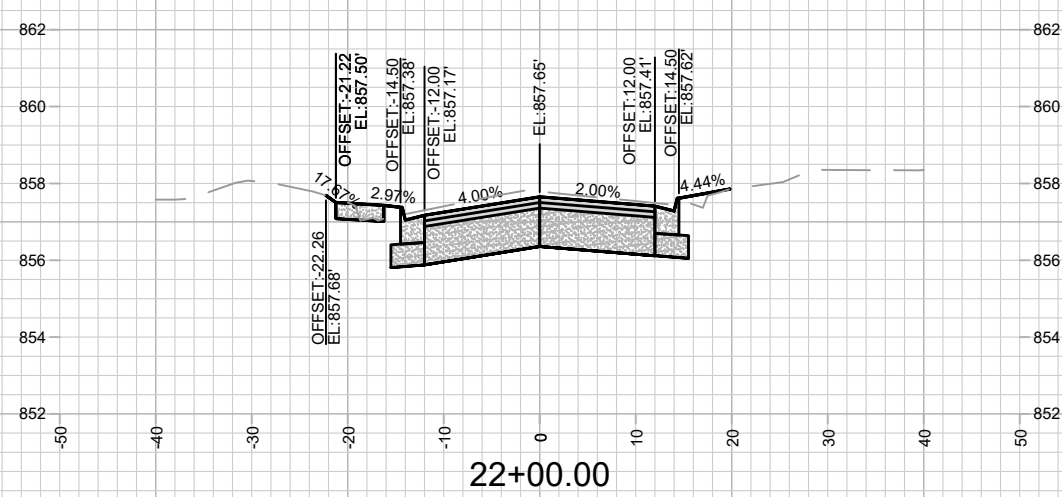
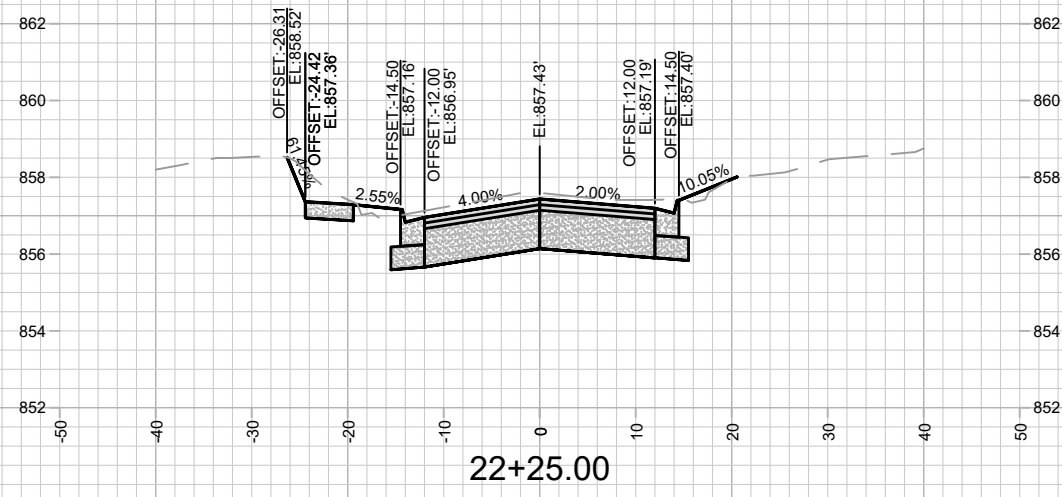
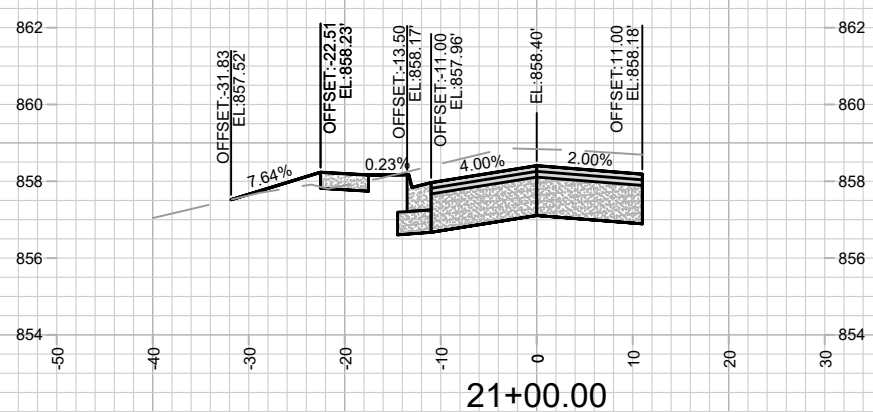
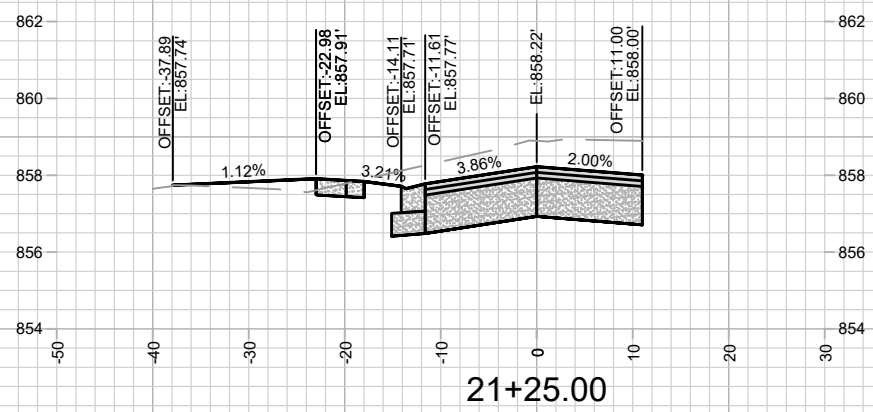
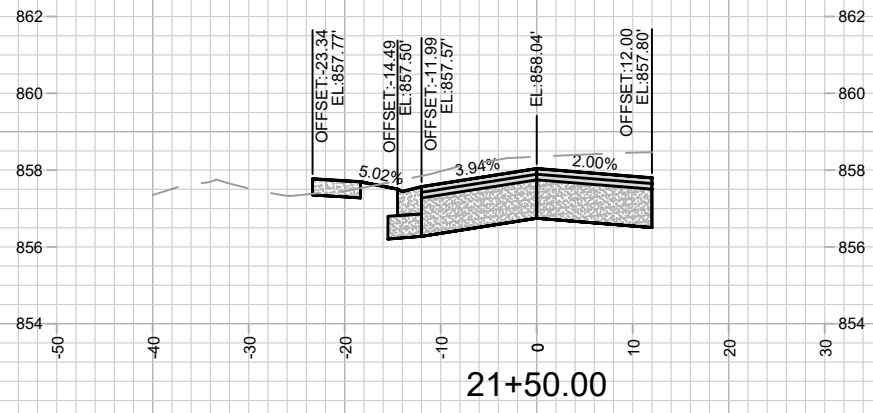
MARK	REVISION	DATE	BY

14083
 MADISON, WI
 8743
 CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS
 LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
 X-8



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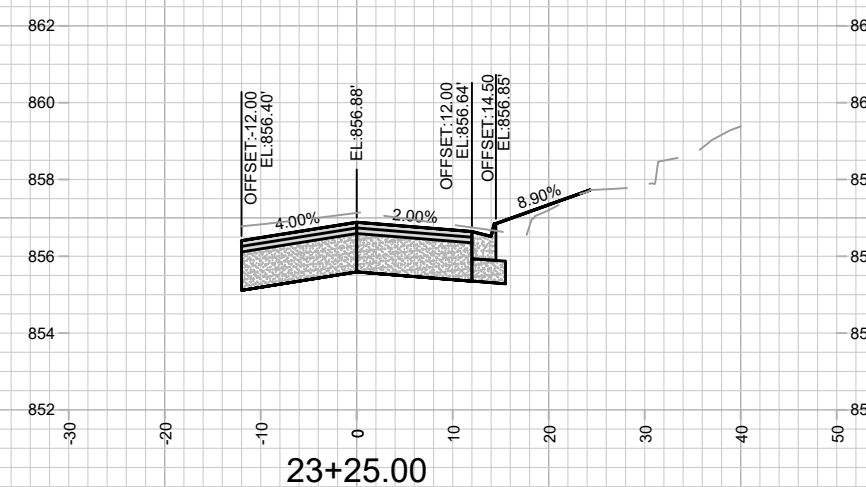
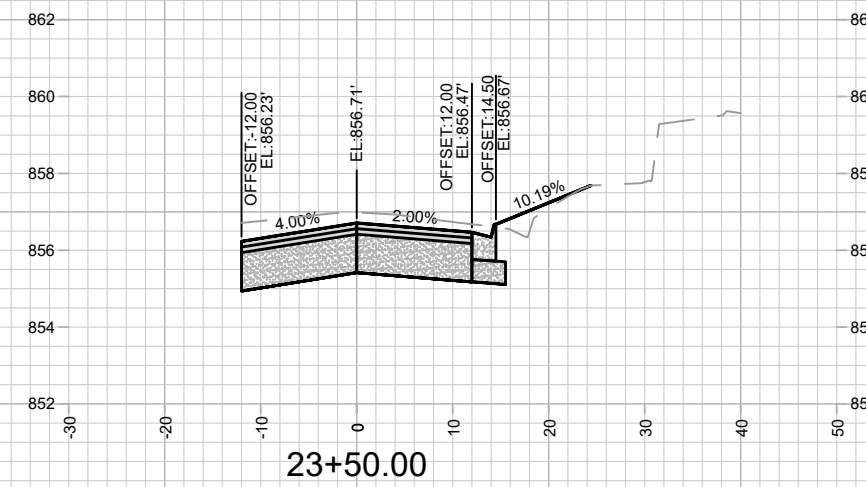
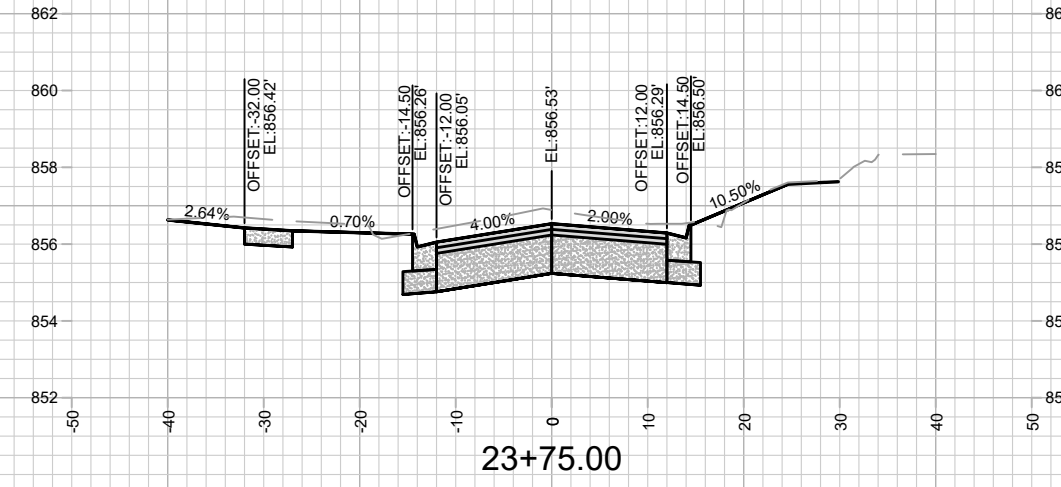
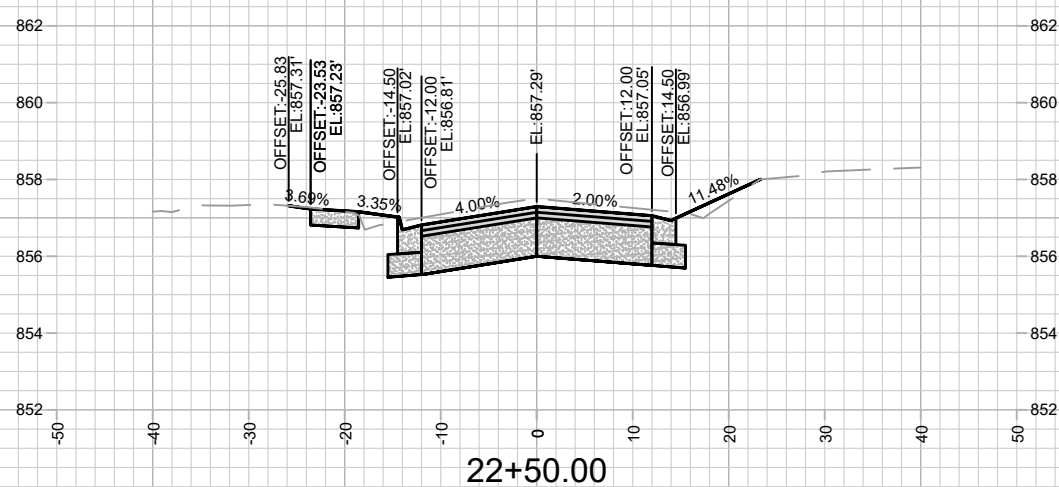
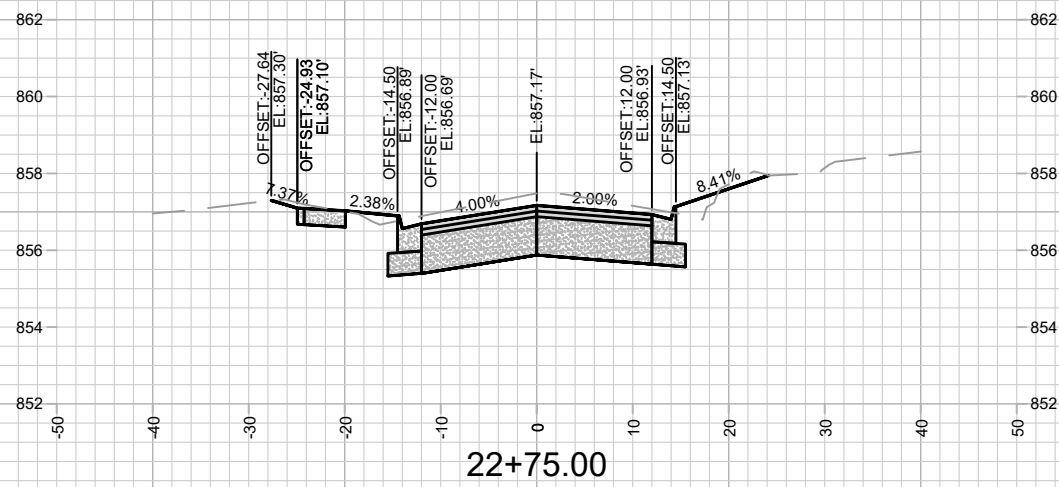
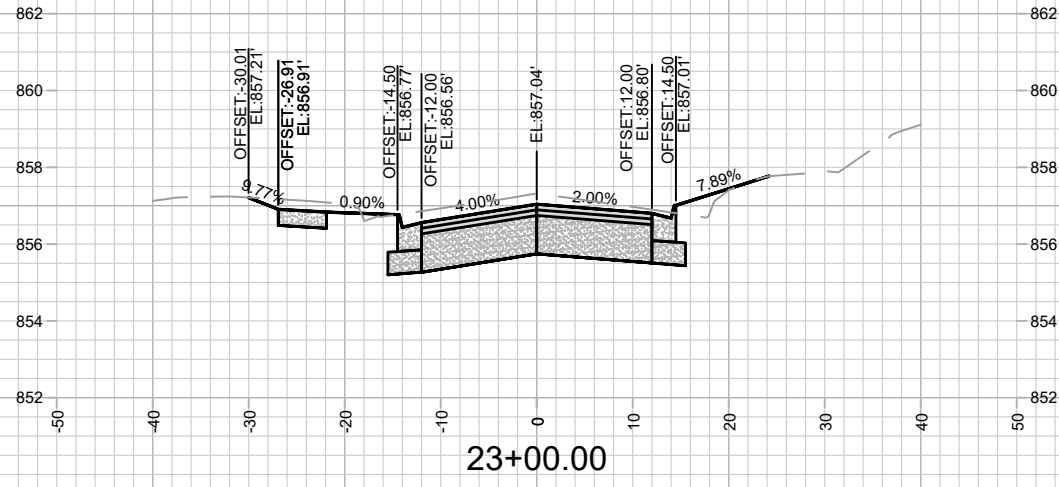
Designed By: AJC
Date: 2/6/2024 6:30 AM
Scale: 1" = 20'

14083
MADISON, WI
8743
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
X-9



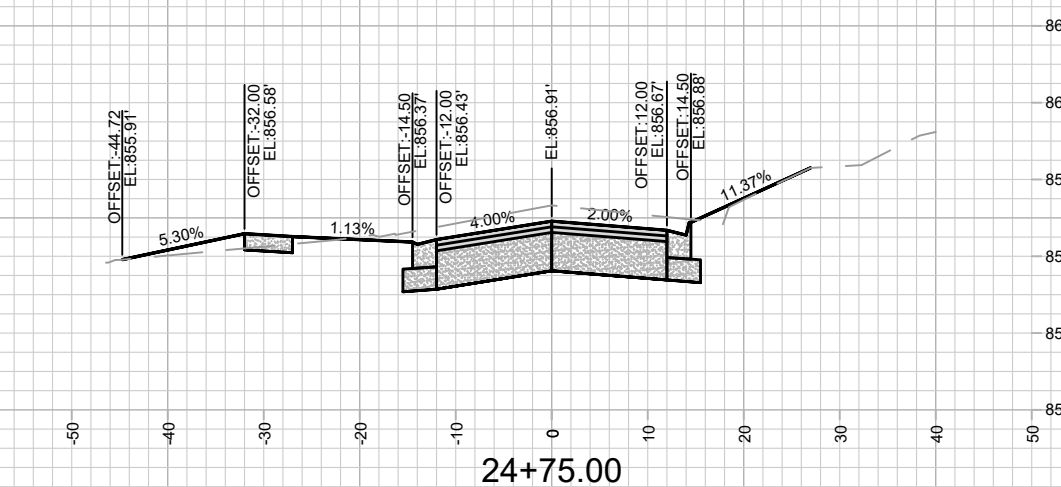
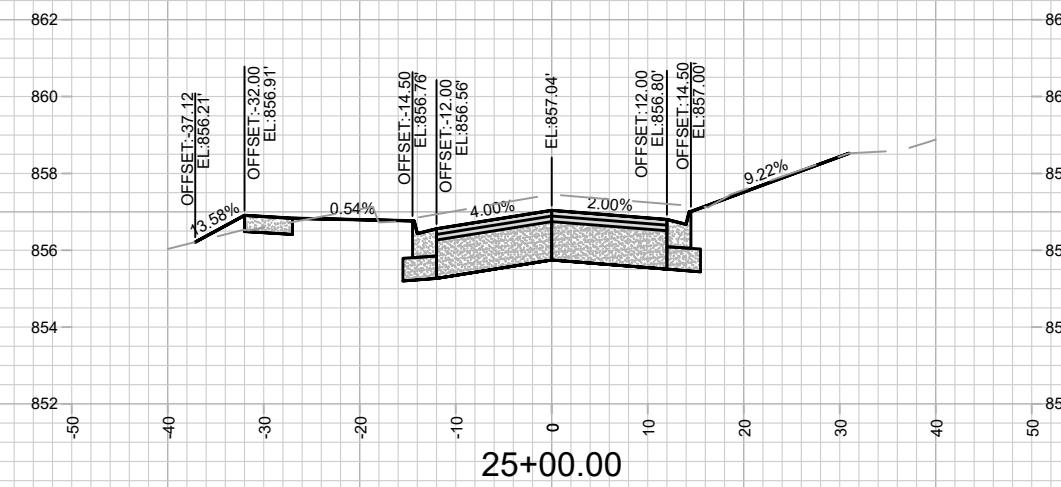
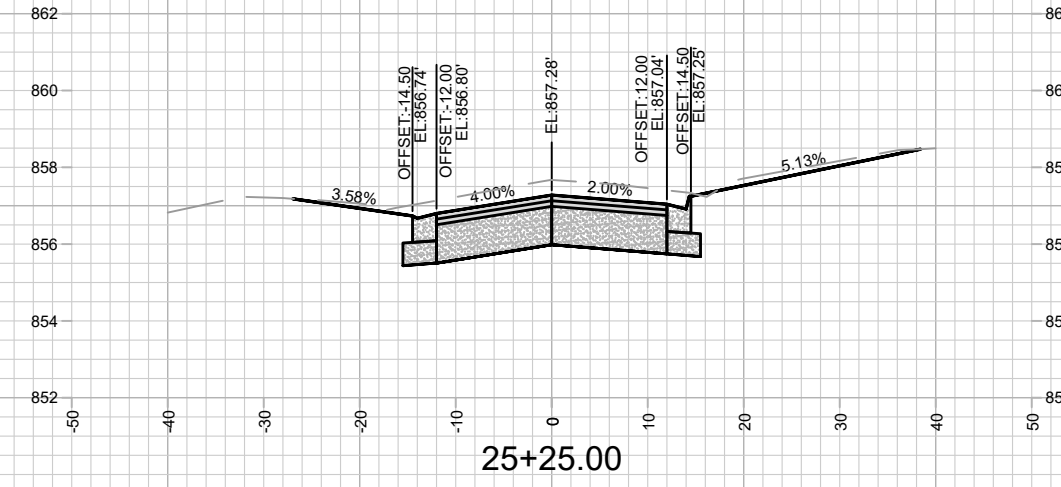
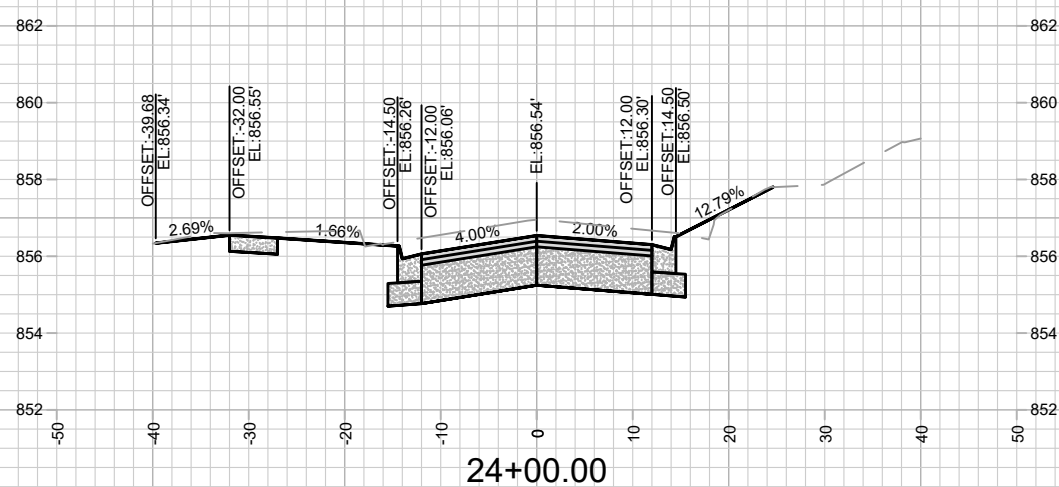
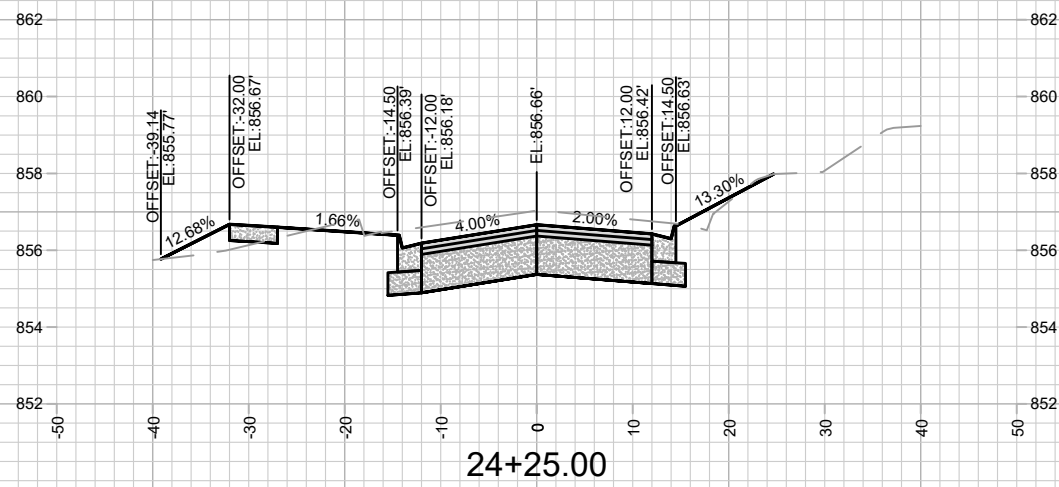
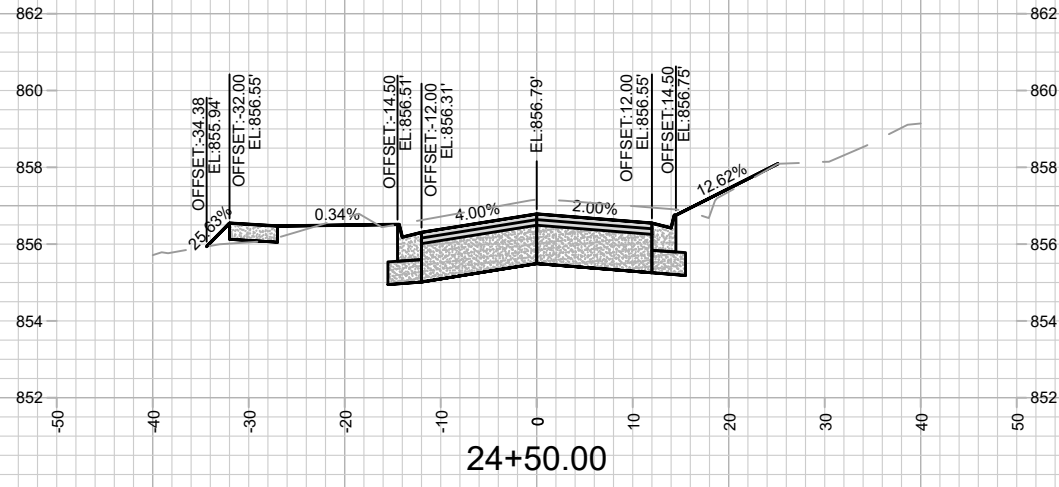
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Date: 2/6/2024 6:30 AM
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14083
X-10

14083
MADISON, WI
CONTRACT NO: 8743

LAKE MENDOTA DRIVE - CROSS SECTIONS
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
M:\DESIGN\Projects\14083\CAD\Streets\14083EN-XSections.dwg

14083
X-10



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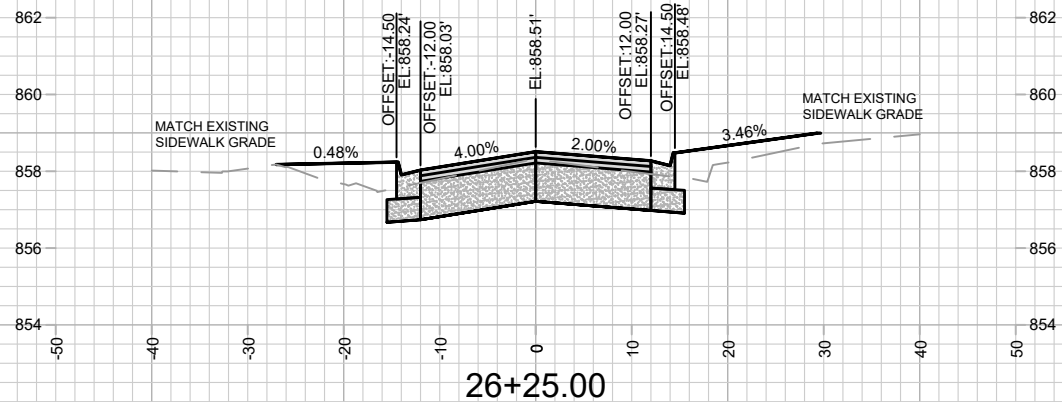
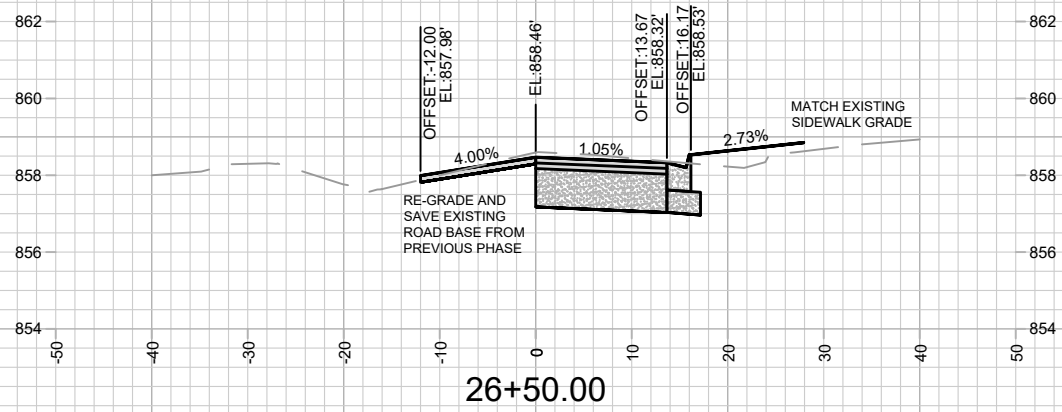
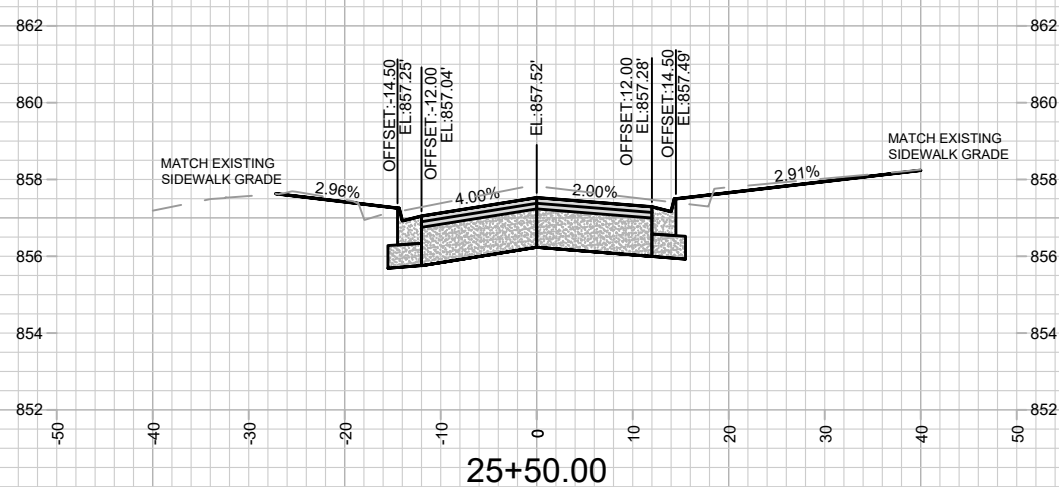
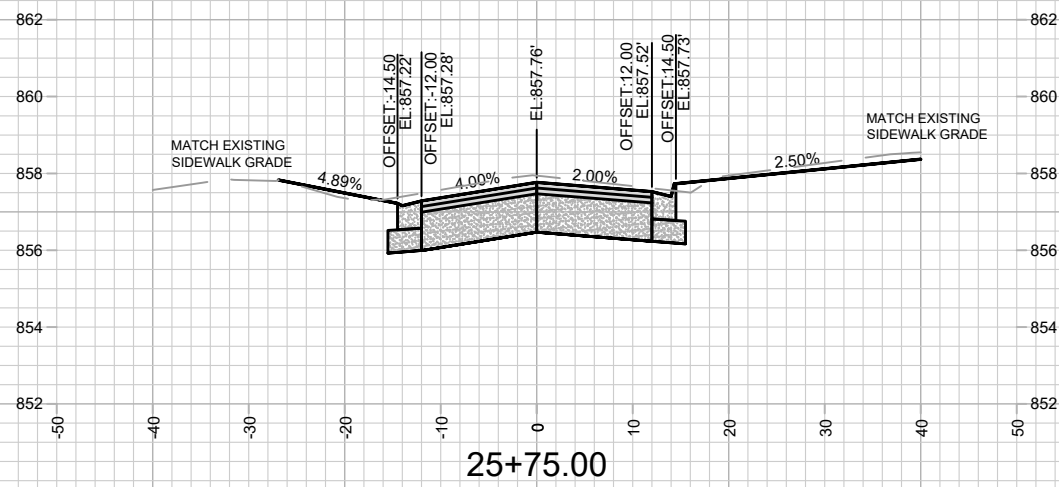
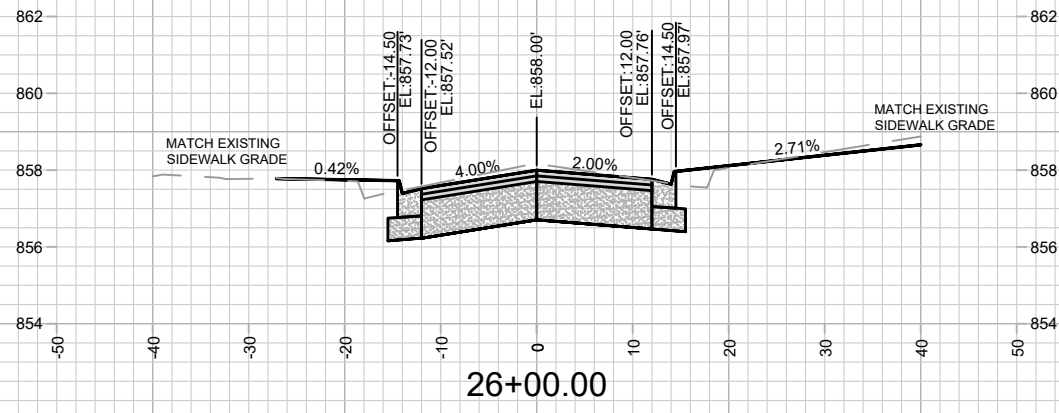
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14083
X-11

14083
MADISON, WI
CONTRACT NO: 8743

LAKE MENDOTA DRIVE - CROSS SECTIONS
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
X-11



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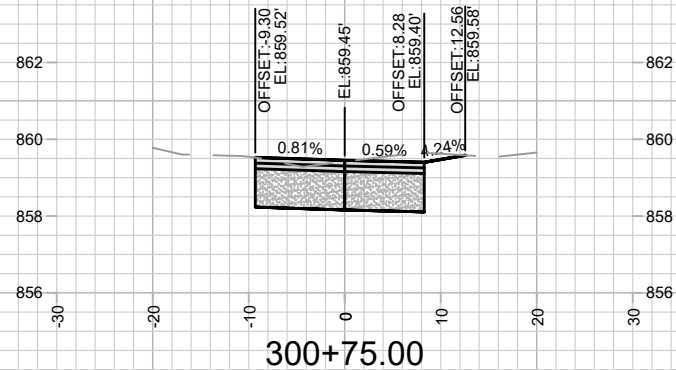
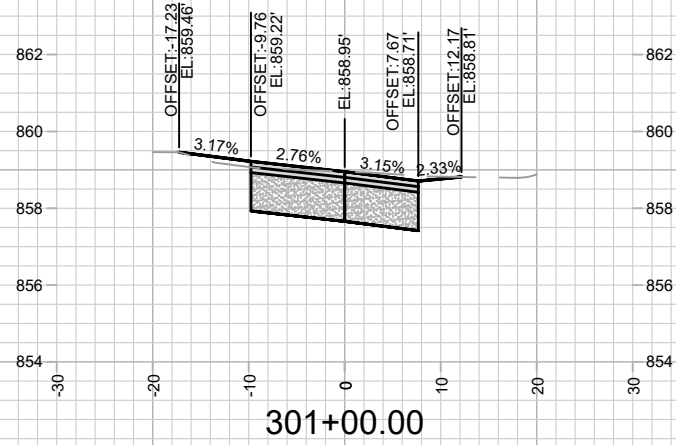
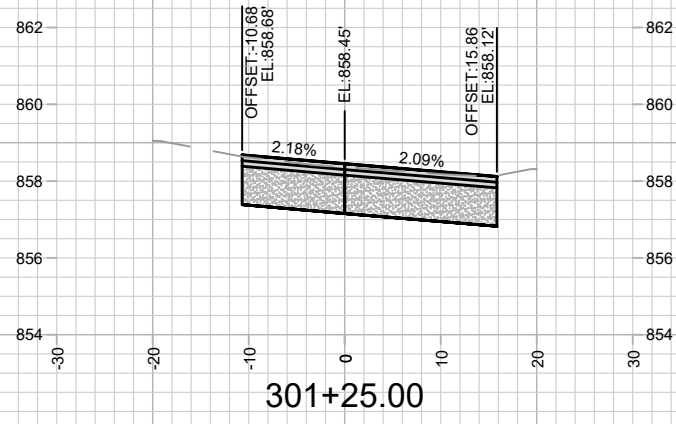
14083
MADISON, WI
8743
CONTRACT NO:

LAKE MENDOTA DRIVE - CROSS SECTIONS
LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
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14083
X-12

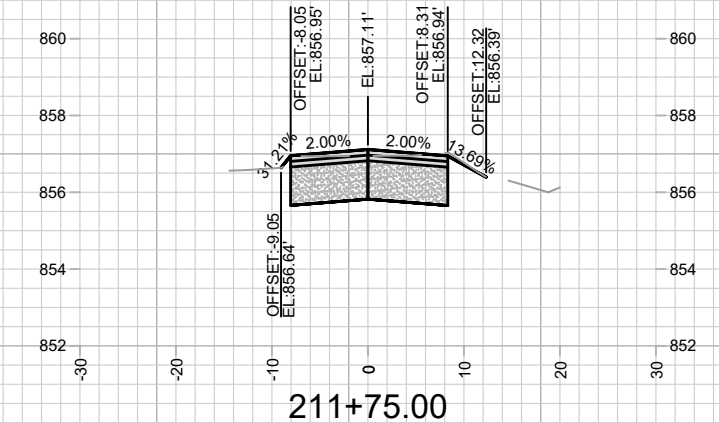
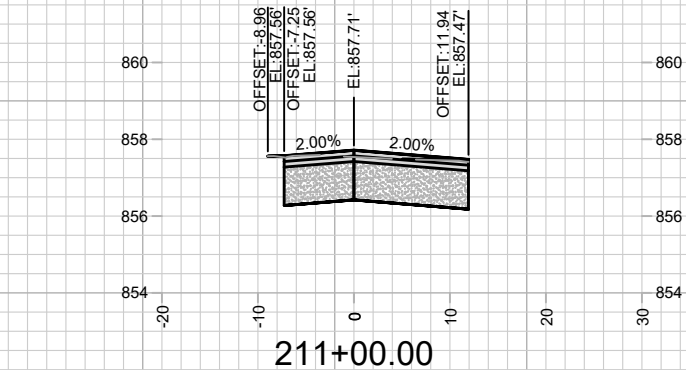
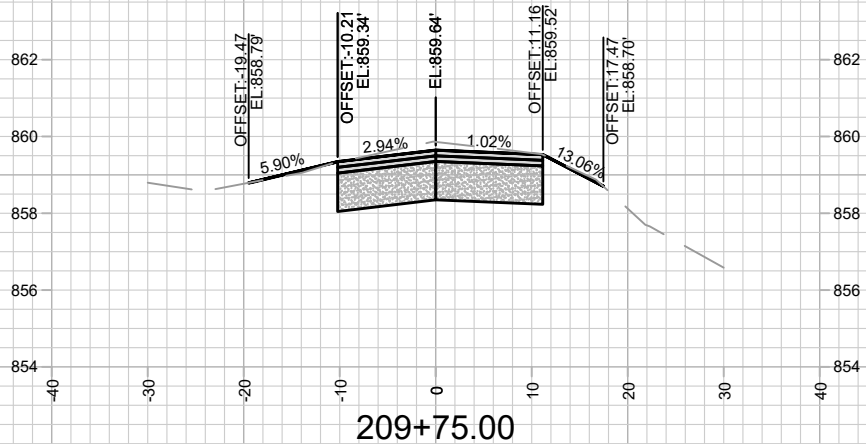
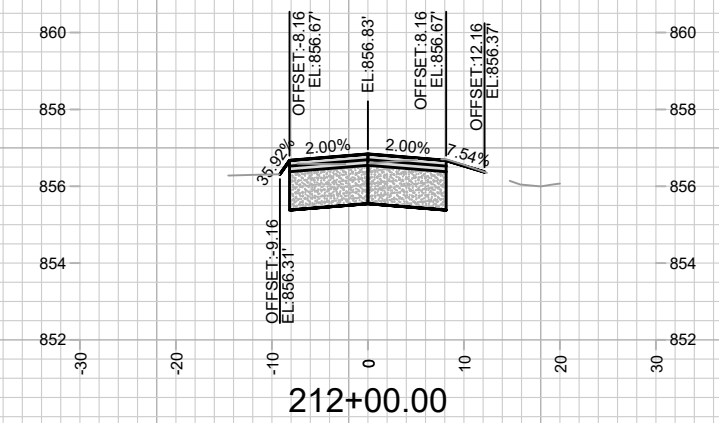
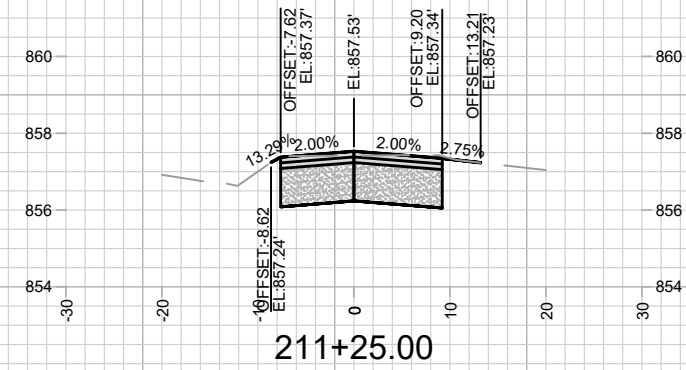
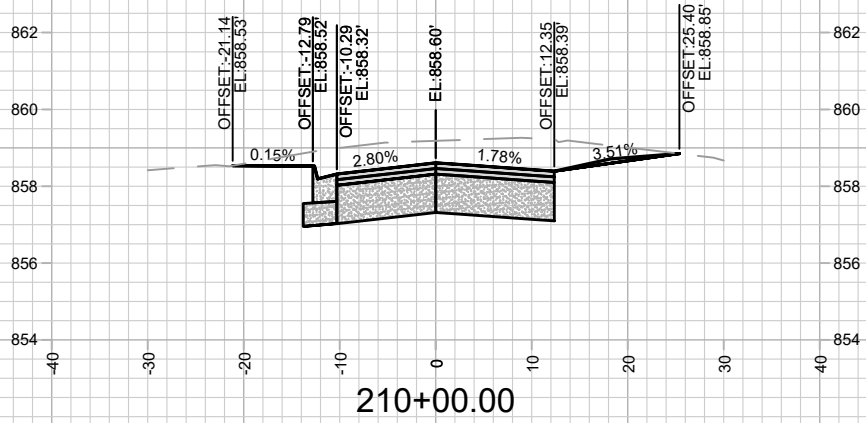
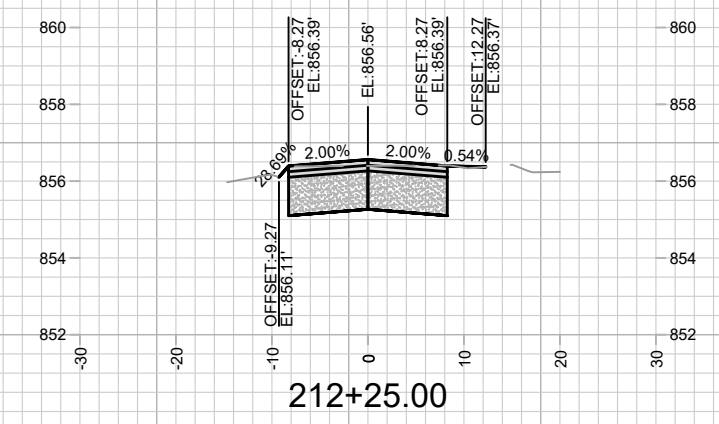
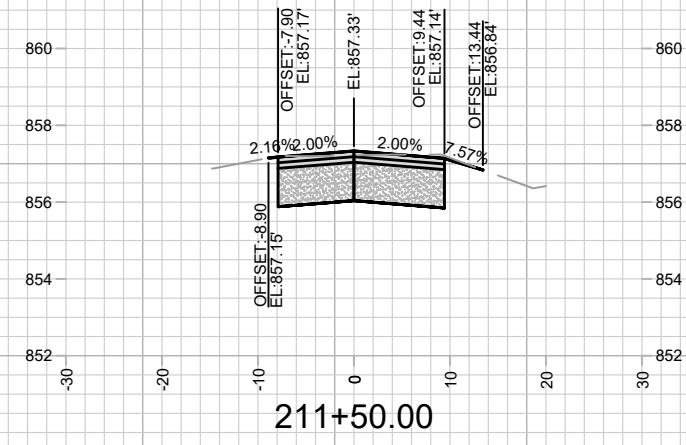
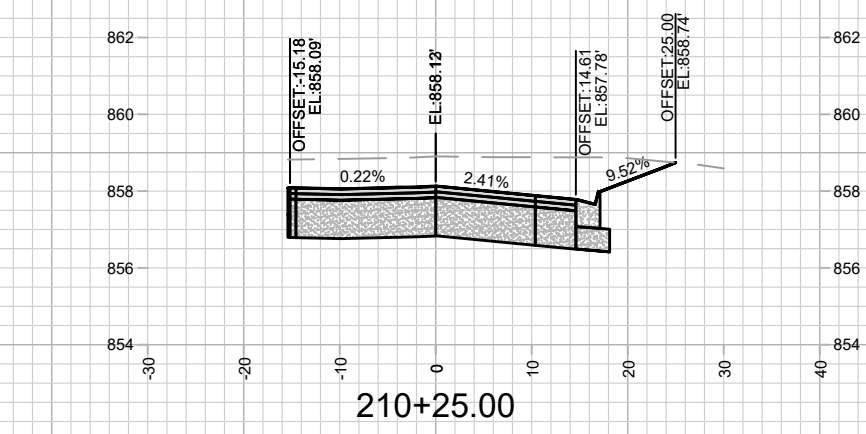
Scale: 1" = 20'
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Date: 2/2/2024 6:30 AM
Scale: 1" = 20'
14083
X-13

14083
CLIFFORD COURT - CROSS SECTIONS
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LAKE MENDOTA DRIVE ASSESSMENT DISTRICT - 2024
CONTRACT NO: 8743
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 8743
 CONTRACT NO:

NORMAN WAY - CROSS SECTIONS
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SCALE 1" = 150'



MAINTENANCE LEGEND:

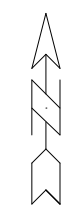
- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- = CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY)
- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)

SPECIAL FEATURES LEGEND:

- = SUSPENDED PAVEMENT SYSTEM
- = STORM WATER FEATURE
- = UNDERDRAIN

- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = PUBLIC CITY PARK PROPERTY
- = PRIVATE OUTLOT
- = PHASE BOUNDARY

NOT FOR CONSTRUCTION - CITY RECORDS ONLY



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 8743
 CONTRACT NO:

MAINTENANCE MAP
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14083
 MN-1