

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

### PLAN OF PROPOSED IMPROVEMENT

#### EMERSON STREET AND LOWELL STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2018

MUNIS #11183  
CONTRACT NO. 8107

PUBLIC IMPROVEMENT PROJECT APPROVED

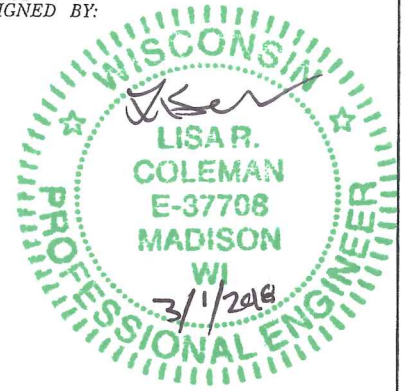
FEBRUARY 27, 2018

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

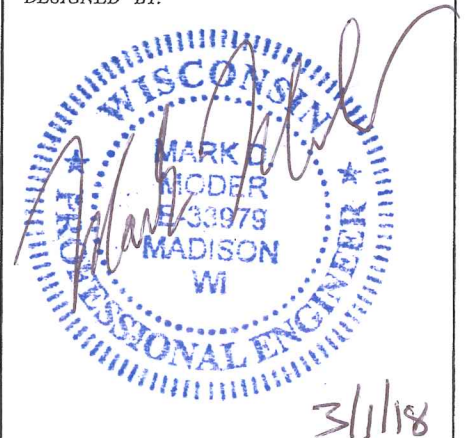
PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*[Signature]* 3/2/18  
City Engineer Date

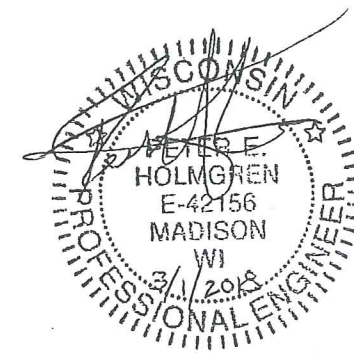
STREET  
DESIGNED BY:



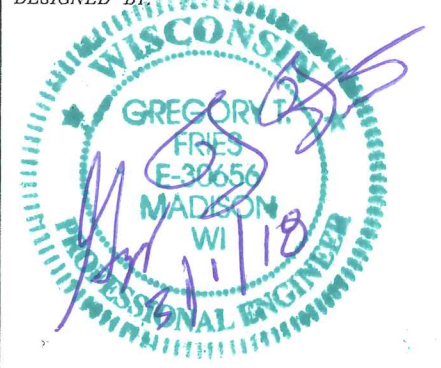
SANITARY SEWER  
DESIGNED BY:



WATER MAIN  
DESIGNED BY:



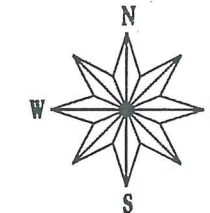
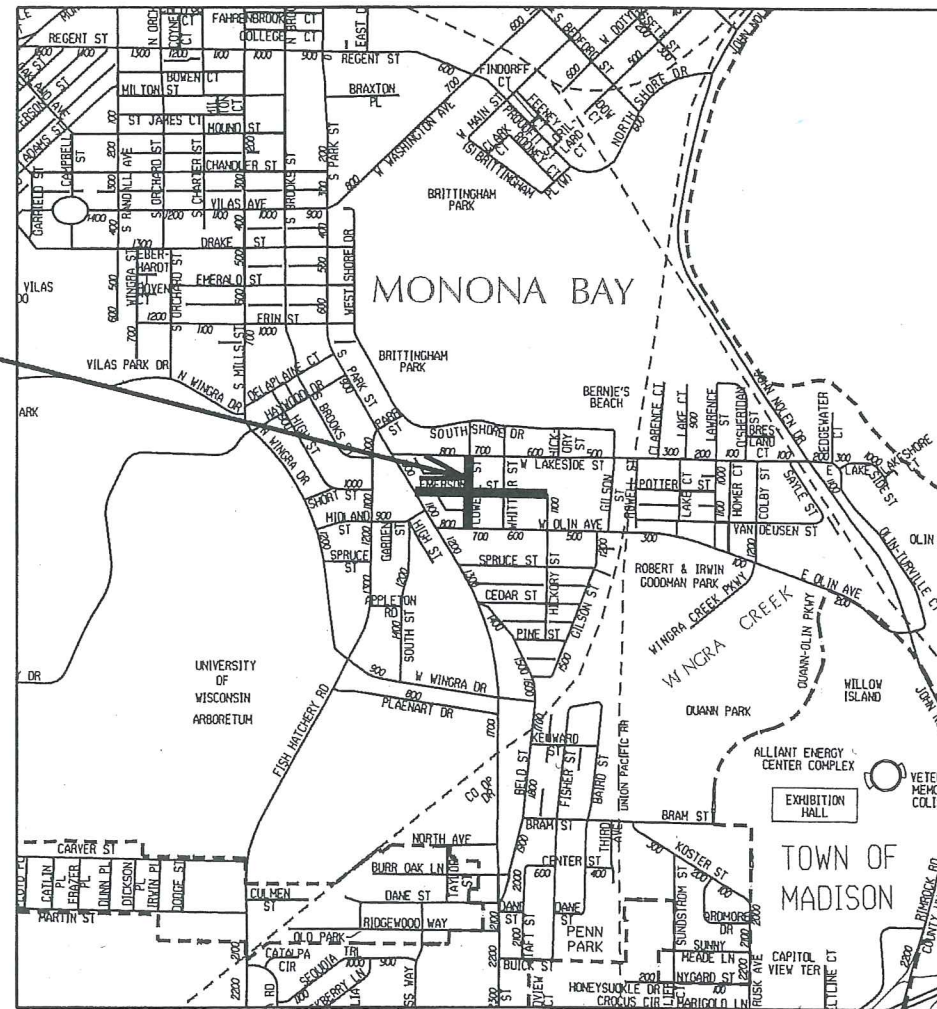
STORM SEWER  
DESIGNED BY:



INDEX OF SHEETS

SHEET NO.	TITLE
1	TYPICAL SECTIONS AND DETAILS
D1	RAIN GARDEN DETAILS
RG1-RG2	EROSION CONTROL PLANS
EC1-EC5	EMERSON STREET PLAN & PROFILES
P1-P3	LOWELL STREET PLAN & PROFILES
P4-P5	EMERSON STREET UTILITY PLAN & PROFILES
U1-U3	LOWELL STREET UTILITY PLAN & PROFILES
U4-U5	SANITARY SEWER SCHEDULE
U6	STORM SEWER SCHEDULE
U7-U8	EMERSON STREET WATER PLAN & PROFILE
W1-W3	LOWELL STREET WATER PLAN & PROFILE
W4-W5	WATER IMPACT PLAN
W6	WATER ESTIMATE OF MATERIALS
W7	CROSS SECTIONS
X1-X14	

PROJECT  
LOCATION



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	⊕

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU 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%

EARTH WORK SUMMARY:

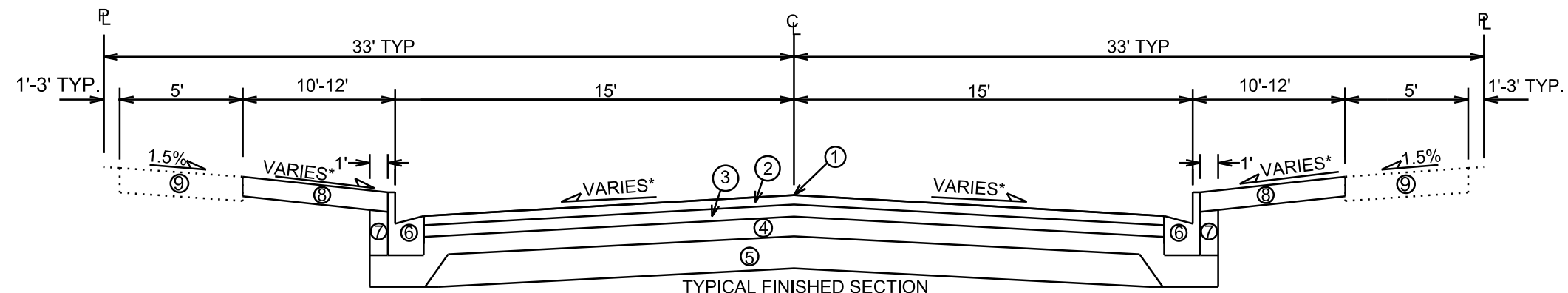
EXCAVATION CUT (MEASURED PLAN QUANTITY).....3089 C.Y.  
ESTIMATED UNDISTRIBUTED UNDERCUT.....1028 C.Y.  
TOTAL UNCLASSIFIED EXCAVATION CUT.....4117 C.Y.

PLOT SCALE:

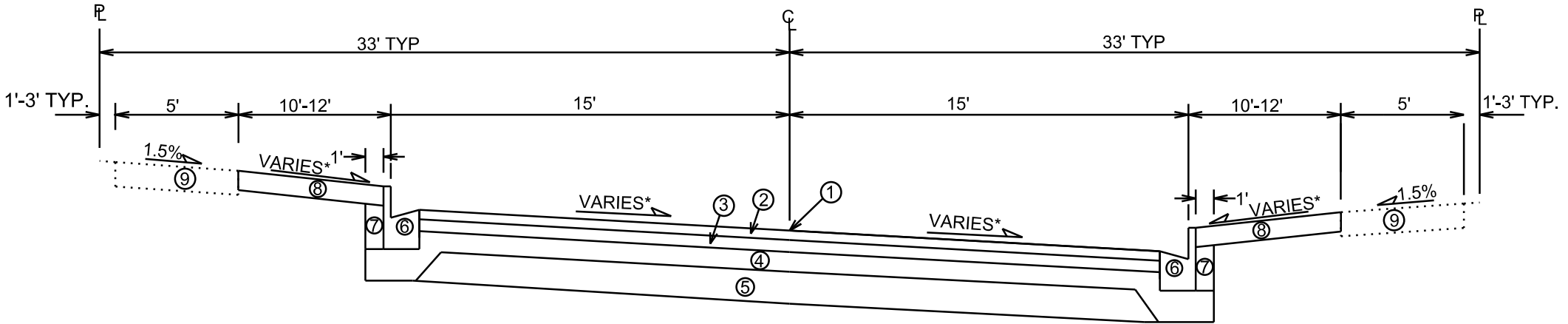
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REV. DATE:

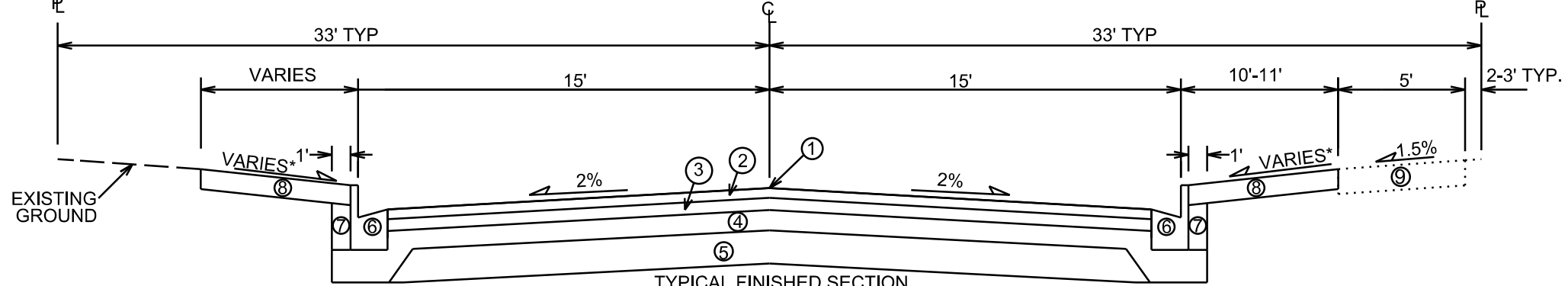
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



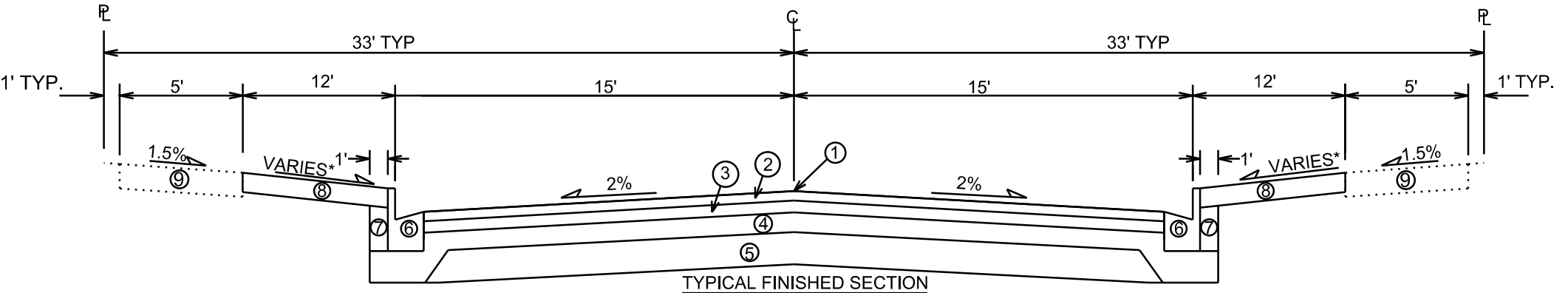
TYPICAL FINISHED SECTION  
EMERSON STREET  
STA 2+00 TO STA 13+50



TYPICAL FINISHED SECTION  
EMERSON STREET  
STA 13+50 TO STA 14+50



TYPICAL FINISHED SECTION  
LOWELL STREET  
STA 20+75 TO STA 24+50



TYPICAL FINISHED SECTION  
LOWELL STREET  
STA 24+50 TO STA 27+50

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" BITUMINOUS UPPER LAYER, 4 LT 58-28 S
- ③ 1.75" BITUMINOUS LOWER LAYER, 4 LT 58-28 S
- ④ 6" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER  
(TYPE 'X' CURB WHERE NOTED ON PLAN)
- ⑦ FILL, INCIDENTAL
- ⑧ 6" TOPSOIL, SEED & MAT
- ⑨ 5" CONCRETE SIDEWALK, REPLACE AS NOTED ON PLAN

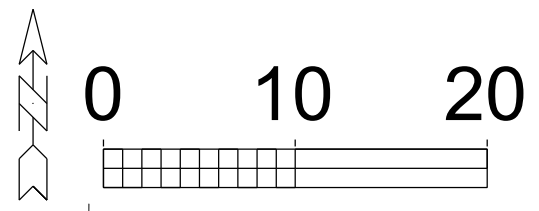
\* SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS. TYPICAL SECTIONS NOT TO SCALE

PLOT SCALE: \_\_\_\_\_  
PLOT NAME: \_\_\_\_\_  
REV. DATE: \_\_\_\_\_  
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



RAINGARDEN PLAN

EMERSON ST CITY OF MADISON



# 2' CONCRETE FLUME IN 8' HAND POURED CURB SECTION

STA 5+51.46, RT 16.50'  
853.14 @ POINT

STA 5+55.57  
STA 5+67.27, RT 16.50'  
853.05 @ POINT

STA 5+54.46, RT 19.50'  
852.14 @ POINT

STA 5+64.53, RT 19.23'  
852.14 @ POINT

STA 5+55.66, RT 21.50'  
852.14 @ POINT

STA 5+63.53, RT 21.96'  
852.14 @ POINT

STA 5+51.46, RT 25.71'  
853.54 @ POINT

STA 5+67.24, RT 25.67'  
853.38 @ POINT

0709-262-0603-2  
RONDINI, LISA A  
809 Emerson St

0709-262-0602-4  
DARLINGTON, SONJA R  
805 Emerson St

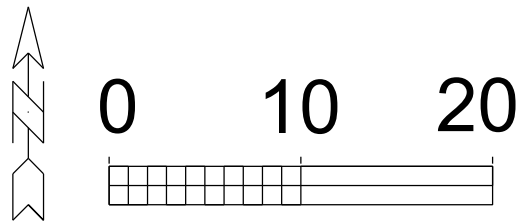
0709-262-0601-6  
COLEMAN, DONALD A  
& KATHRYN A COLEMAN  
801 Emerson St

PLOT SCALE: 10

PLOT NAME: RG1

REV. DATE: 01/25/2017

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**2' CONCRETE FLUME IN 8'  
HAND POURED SECTION  
CENTER @ STA 7+27.48**

**EMERSON STREET**

**LOWELL STREET**

24+00

STA 7+16.57, RT 16.50'  
852.95 @ POINT

STA 7+31.57, RT 16.50'  
853.03 @ POINT

STA 7+19.34, RT 19.26'  
852.03 @ POINT

STA 7+28.58, RT 19.50'  
852.03 @ POINT

STA 7+27.29, RT 21.47'  
852.03 @ POINT

STA 7+20.54, RT 21.79'  
852.03 @ POINT

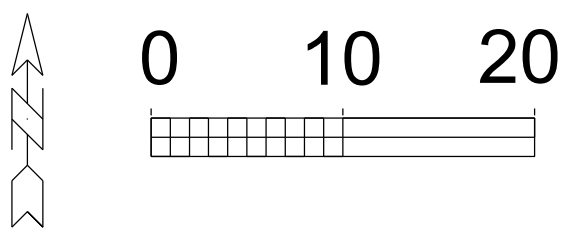
STA 7+16.59, RT 25.75'  
853.32 @ POINT

STA 7+31.59, RT 25.77'  
853.43 @ POINT

0709-262-0506-8  
WESTFALL, JOHN C  
& KRISTIN M WESTFALL  
721 Emerson St

0709-262-0505-0  
CASTILLO, ELIAS O RIVERA  
REYNA M JARQUIN  
717 Emerson St

PLOT SCALE: 10  
PLOT NAME: RG1  
REV. DATE:  
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA 25+96.27, RT 16.50'  
851.82 @ POINT

STA 25+93.26, RT 19.50'  
850.82 @ POINT

STA 25+96.26, RT 26.23'  
852.26 @ POINT

STA 25+91.94, RT 21.94'  
850.82' @ POINT

2' CONCRETE FLUME  
IN 8' HAND POURED  
SECTION  
CENTER AT STA 25+80.63

REMOVE WALK

STA 25+76.27, RT 19.92'  
850.82 @ POINT

0709-262-0409-4  
OSTERBERG, ERIK T  
1013 Lowell St

STA 25+77.47, RT 21.51'  
850.82 @ POINT

STA 25+72.75, RT 16.50'  
851.97 @ POINT

STA 25+72.95, RT 26.11'  
852.36 @ POINT

PLOT SCALE: 10






PLOT NAME: RG3

REV. DATE:

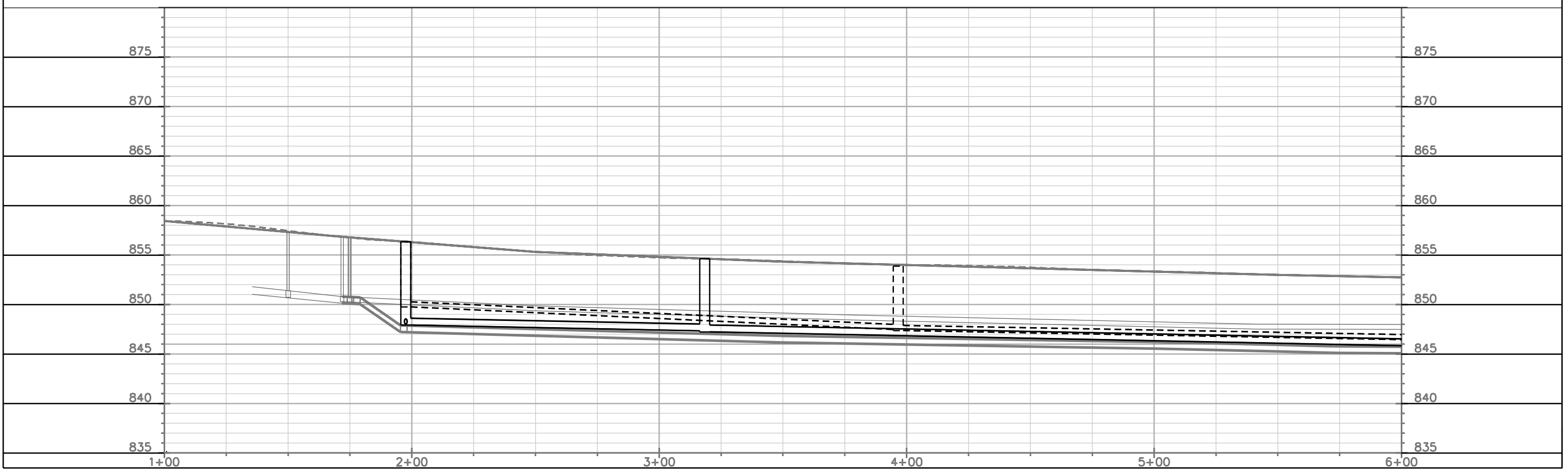
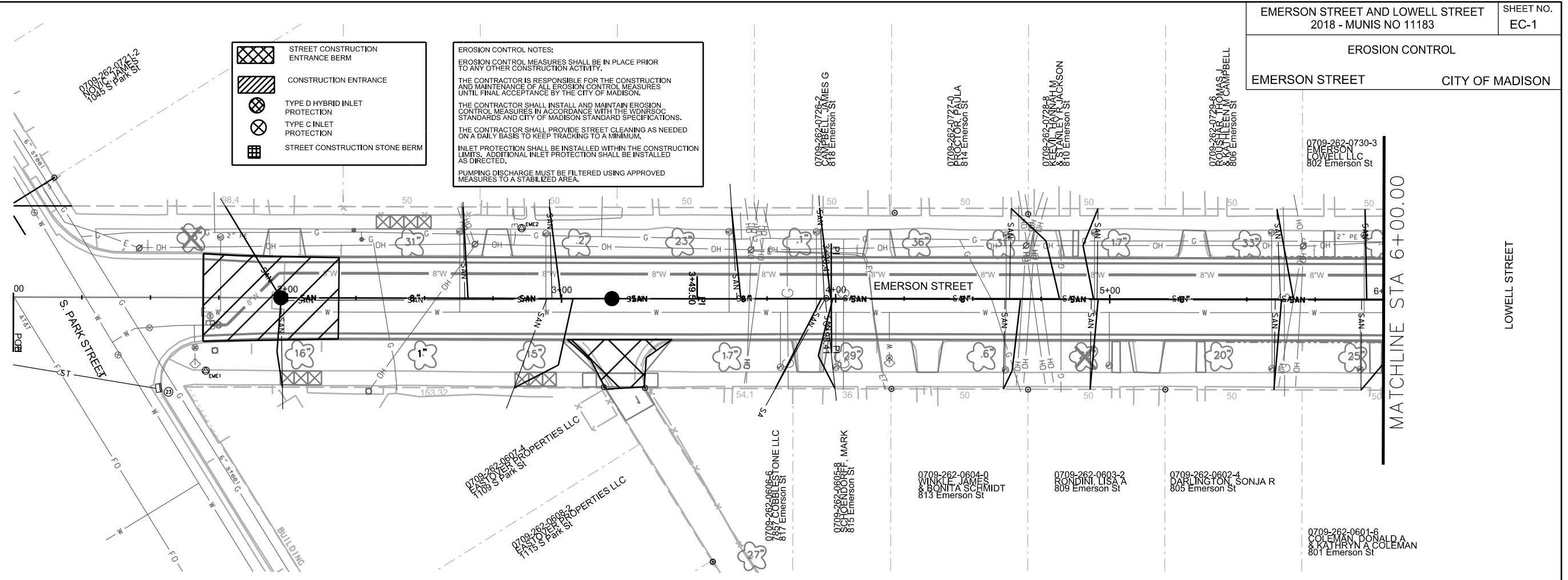
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t

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL  
EMERSON STREET CITY OF MADISON

-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM

**EROSION CONTROL NOTES:**  
EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.  
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.  
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDMRSOC 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.  
PUMPING DISCHARGE MUST BE FILTERED USING APPROVED MEASURES TO A STABILIZED AREA.



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL  
EMERSON STREET  
CITY OF MADISON

MATCHLINE STA 6+00.00

MATCHLINE STA 11+00.00

0709-262-0730-3  
EMERSON ST  
802 Emerson St

0709-262-0901-6  
COLEMAN, DOUGLAS  
801 Emerson St

0709-262-0500-8  
JOHN C  
WESTFALL  
721 Emerson St

0709-262-0505-0  
CASTILLO, ELIAS  
RIVERA  
RYANA M JARQUIN  
717 Emerson St

0709-262-0504-2  
GILL, RYAN D  
BLEFANNI  
REBEKAH MARSHALL  
713 Emerson St

0709-262-0503-4  
LAFAYE, MICHAEL A  
GAVIN J LAFAYE  
709 Emerson St






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ZECKEL, LYNN S

0709-262-0414-3  
OLDENBURG, JOANNE C  
706 Emerson St

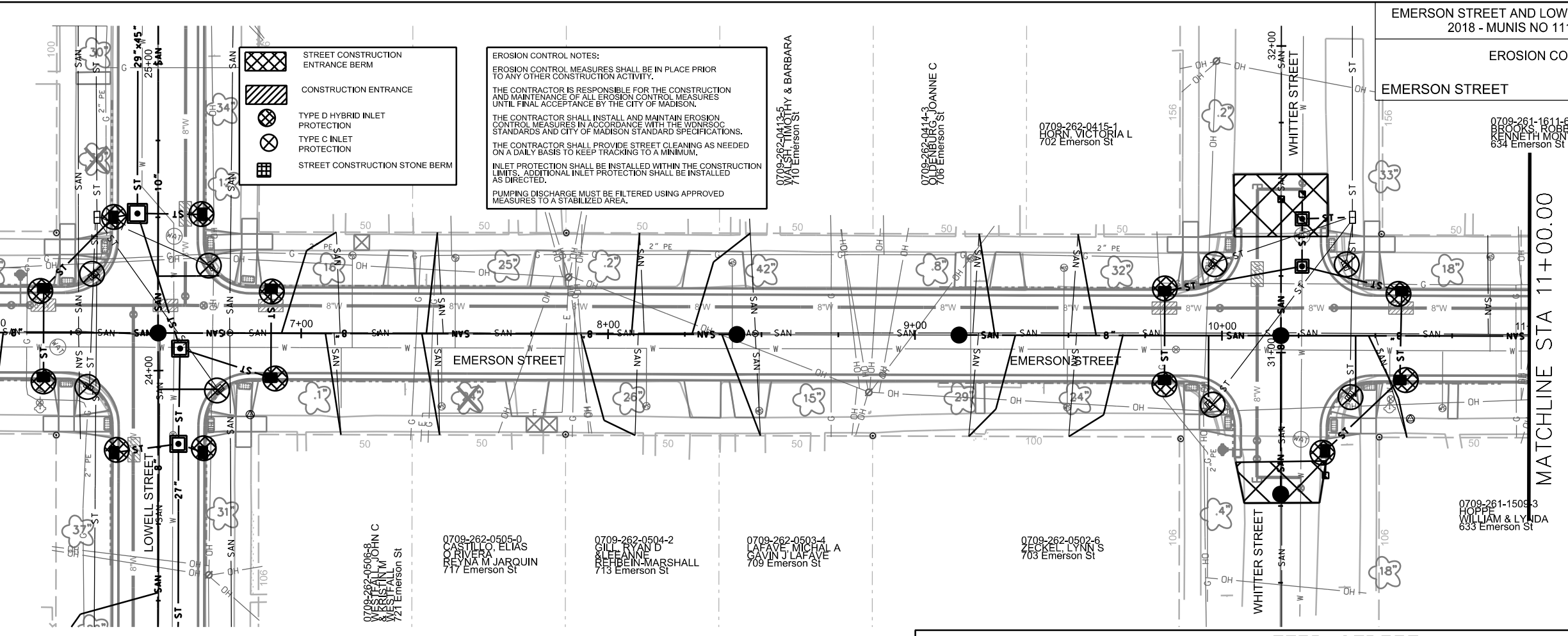
0709-262-0415-1  
HORN, VICTORIA L  
702 Emerson St

0709-261-1611-6  
BROOKS, ROBBIE R  
KENNETH MONTELEONE  
634 Emerson St

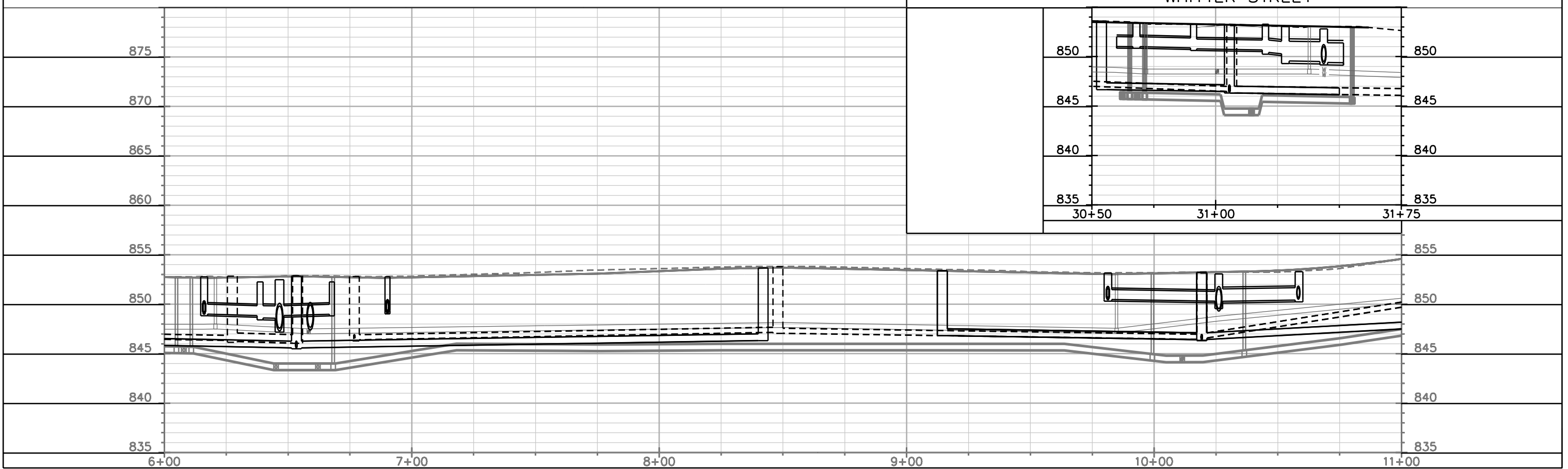
0709-261-1509-3  
HOPPE  
WILLIAM & LYNDIA  
633 Emerson St

-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
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WHITTER STREET








PLOT SCALE: \_\_\_\_\_

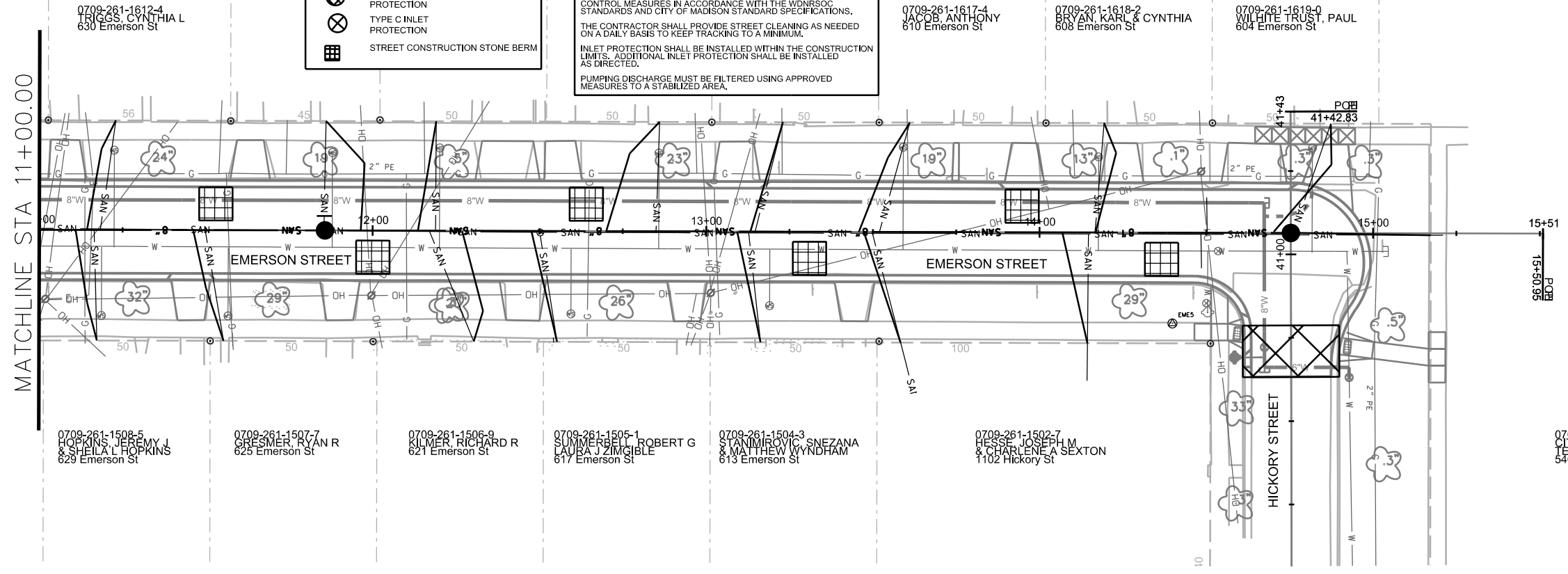
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

**LEGEND**

-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
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MATCHLINE STA 11+00.00

0709-261-1612-4  
TRIGGS, CYNTHIA L  
630 Emerson St

0709-261-1617-4  
JACOB, ANTHONY  
610 Emerson St

0709-261-1618-2  
BRYAN, KARL & CYNTHIA  
608 Emerson St

0709-261-1619-0  
WILHITE TRUST, PAUL  
604 Emerson St

0709-261-1508-5  
HOPKINS JEREMY J  
& SHEILA L HOPKINS  
629 Emerson St

0709-261-1507-7  
GRESMER, RYAN R  
625 Emerson St

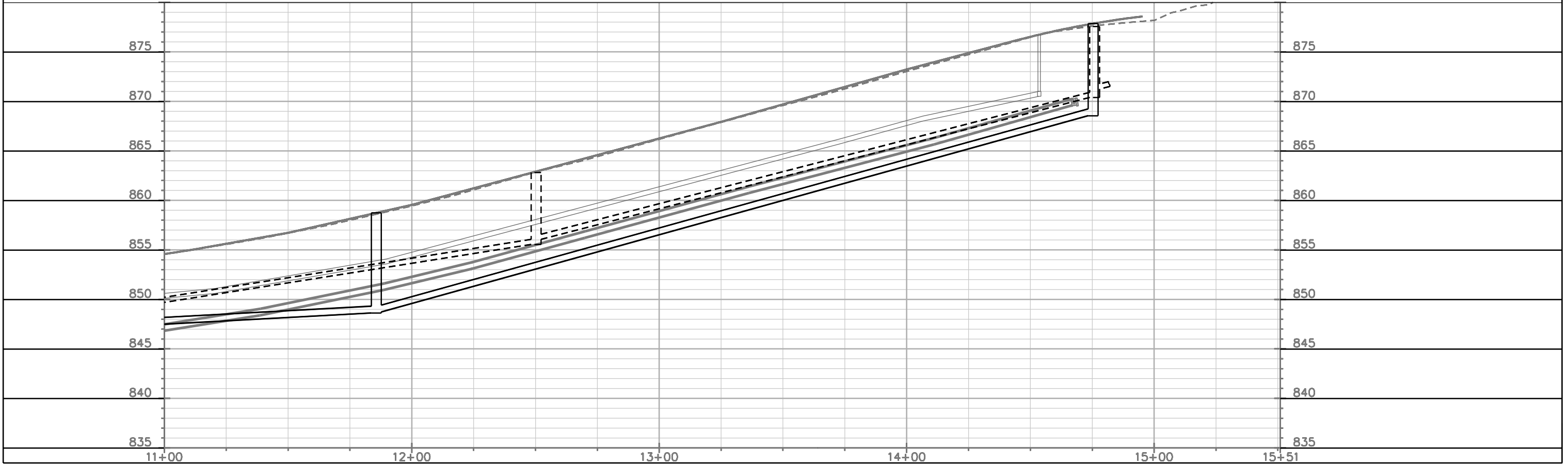
0709-261-1506-9  
KILMER, RICHARD R  
621 Emerson St

0709-261-1505-1  
SUMMERBELL, ROBERT G  
LAUBA J ZIMGIBL  
617 Emerson St

0709-261-1504-3  
STANDIROVIC, SNEZANA  
& MATTHEW WYNDHAM  
613 Emerson St

0709-261-1502-7  
HESSE, JOSEPH M  
& CHARLENE A SEXTON  
1102 Hickory St

0709-261-1415-2  
CITY OF MADISON CDA  
TELEPHONE 266-4675  
540 W Olin Ave



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_






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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

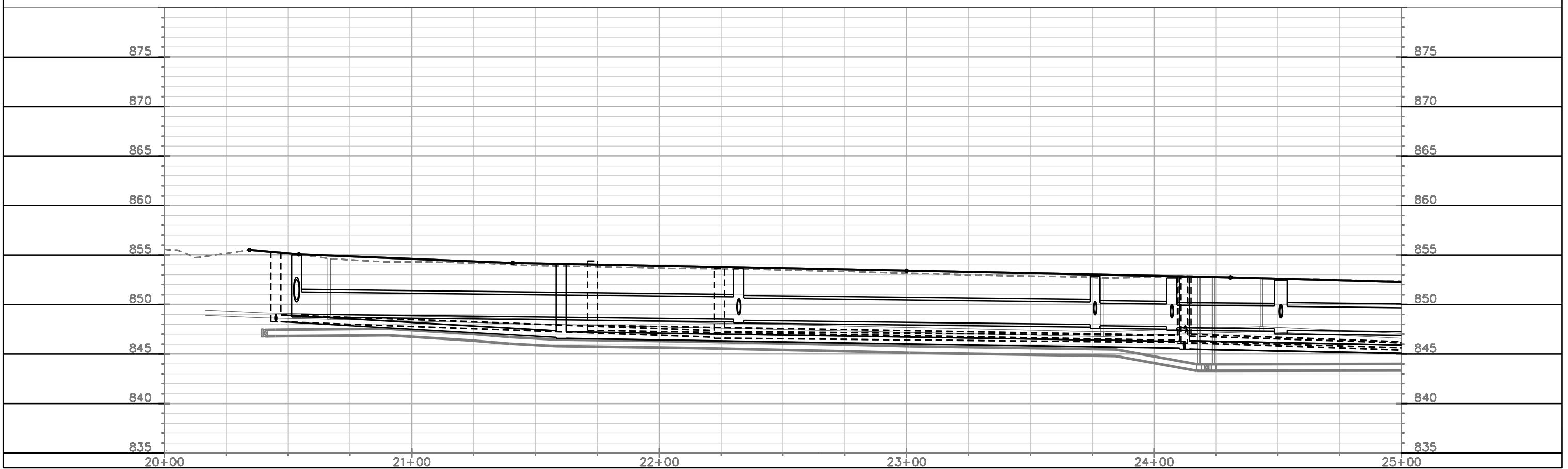
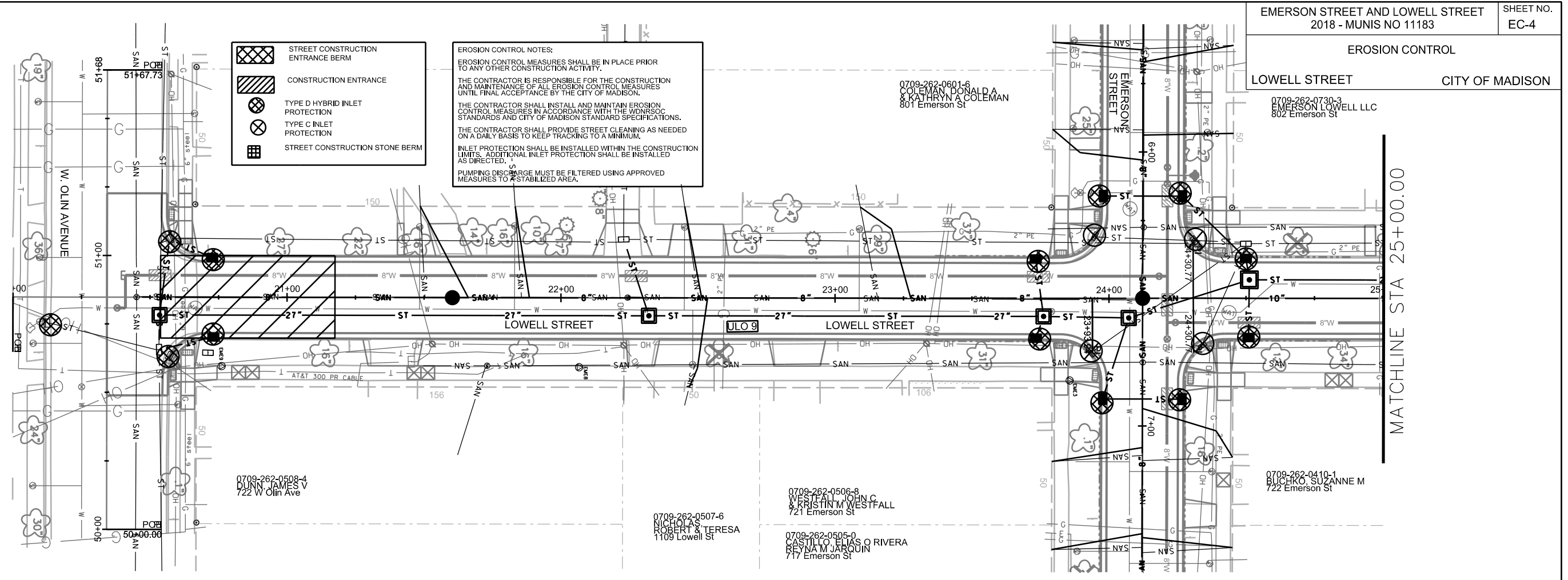


EROSION CONTROL  
LOWELL STREET CITY OF MADISON

0709-262-0730-3  
EMERSON LOWELL LLC  
802 Emerson St

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-  CONSTRUCTION ENTRANCE
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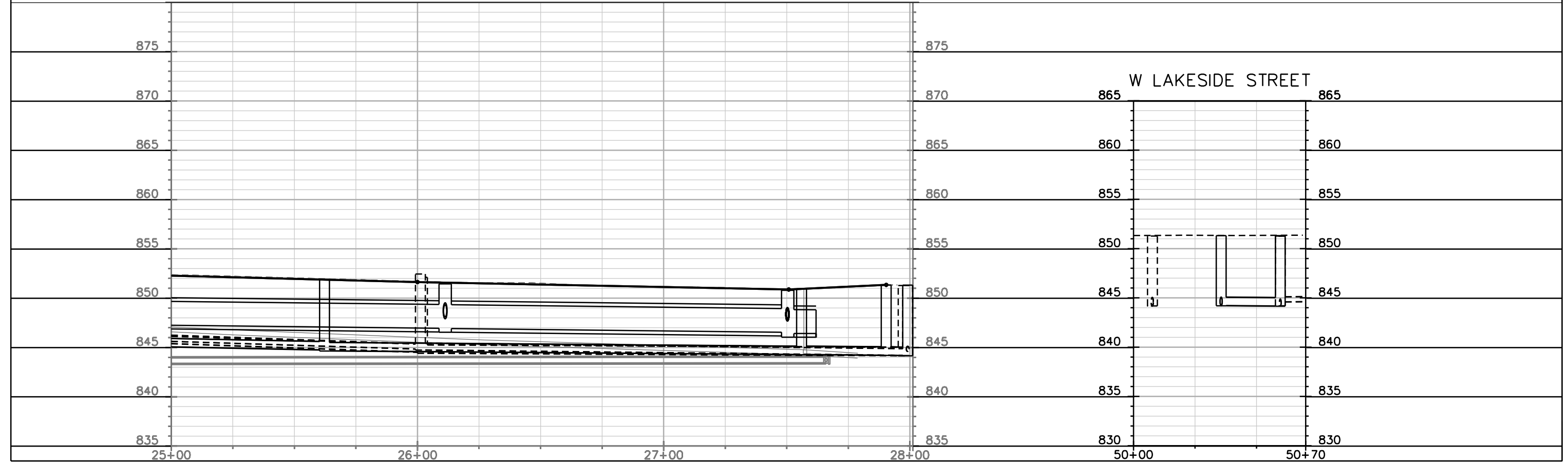
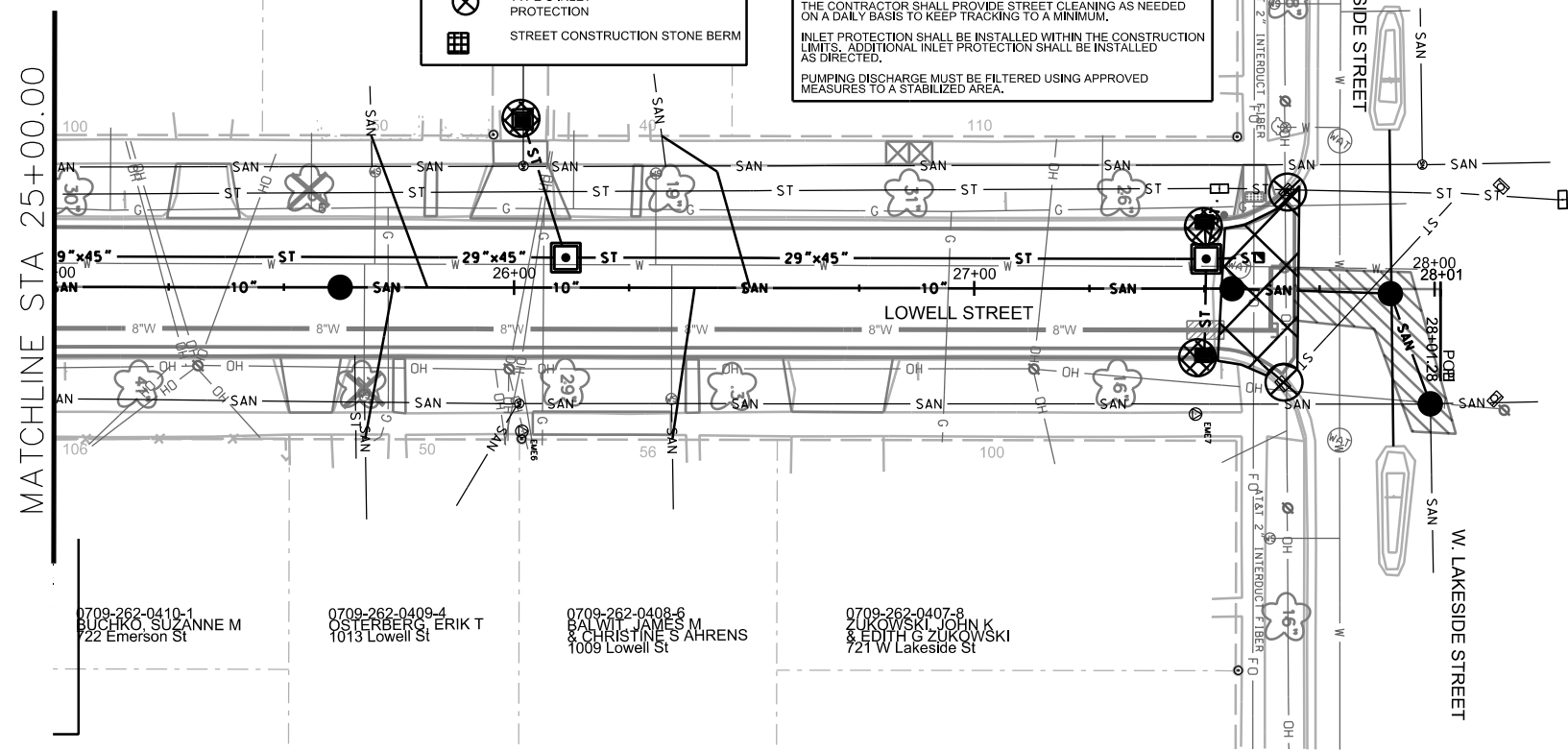
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- STREET CONSTRUCTION ENTRANCE BERM
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- TYPE D HYBRID INLET PROTECTION
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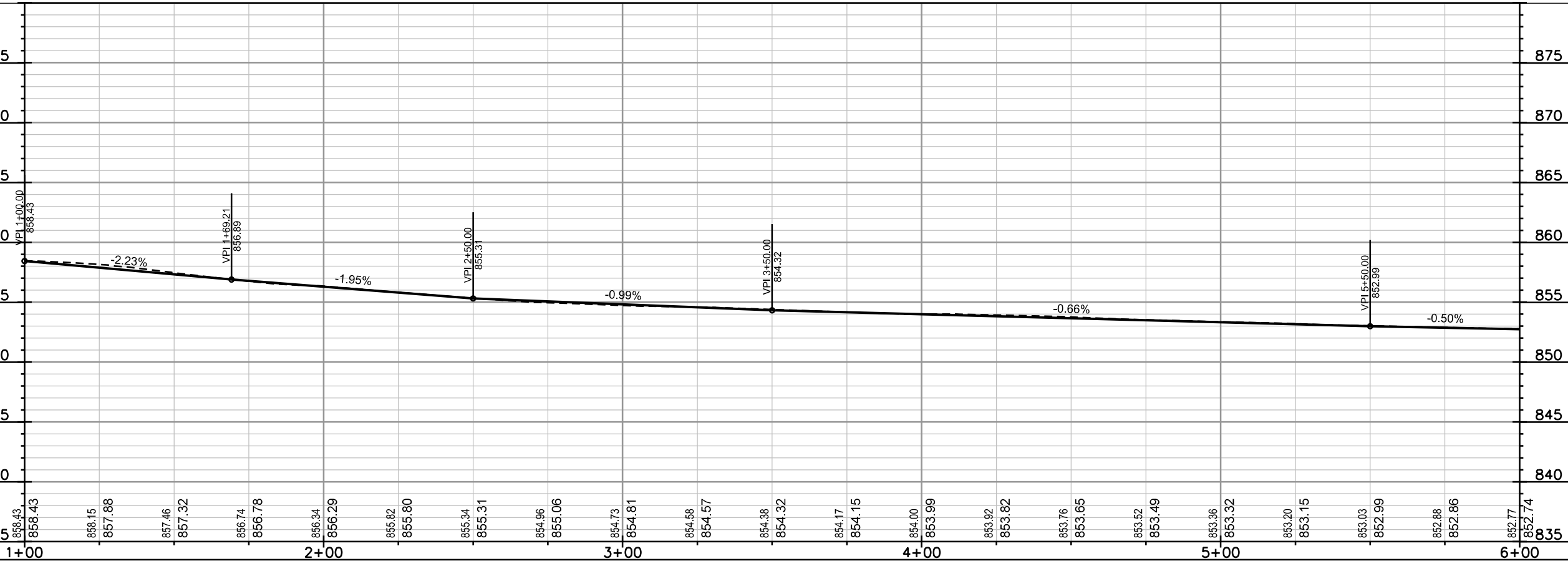
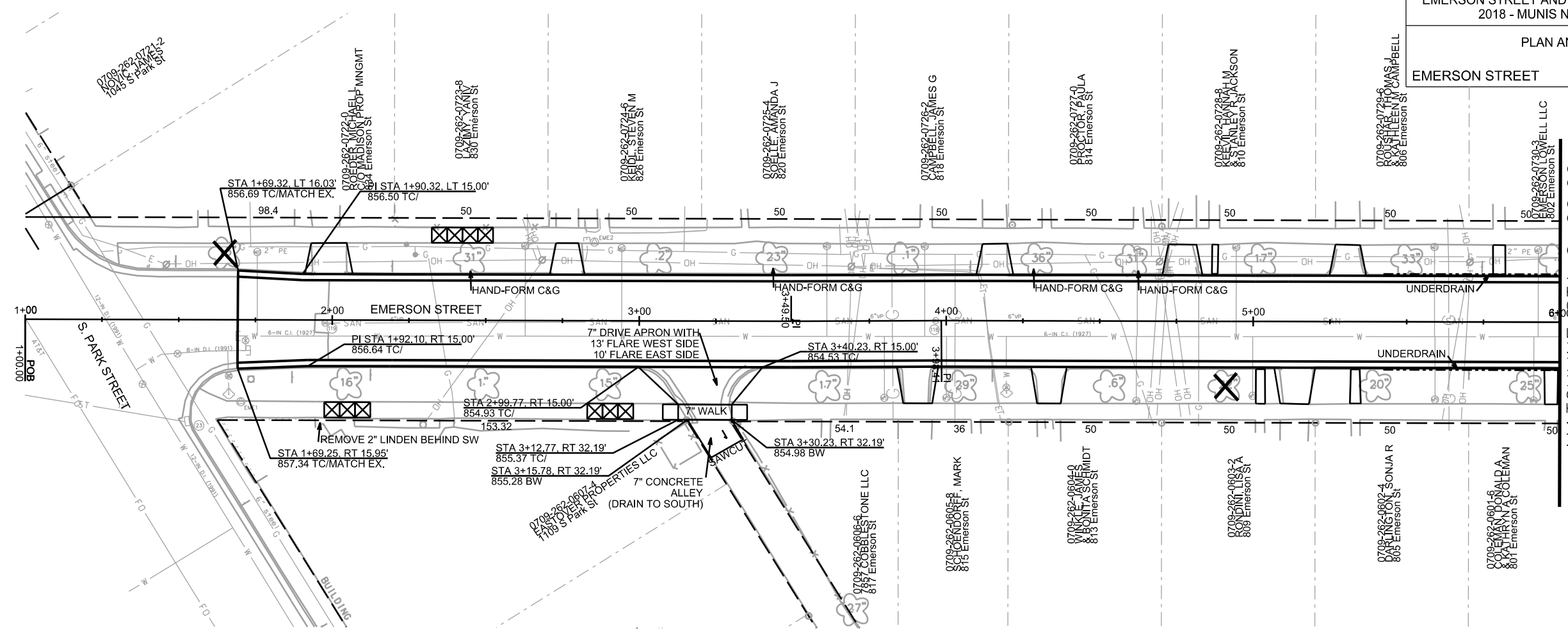


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PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



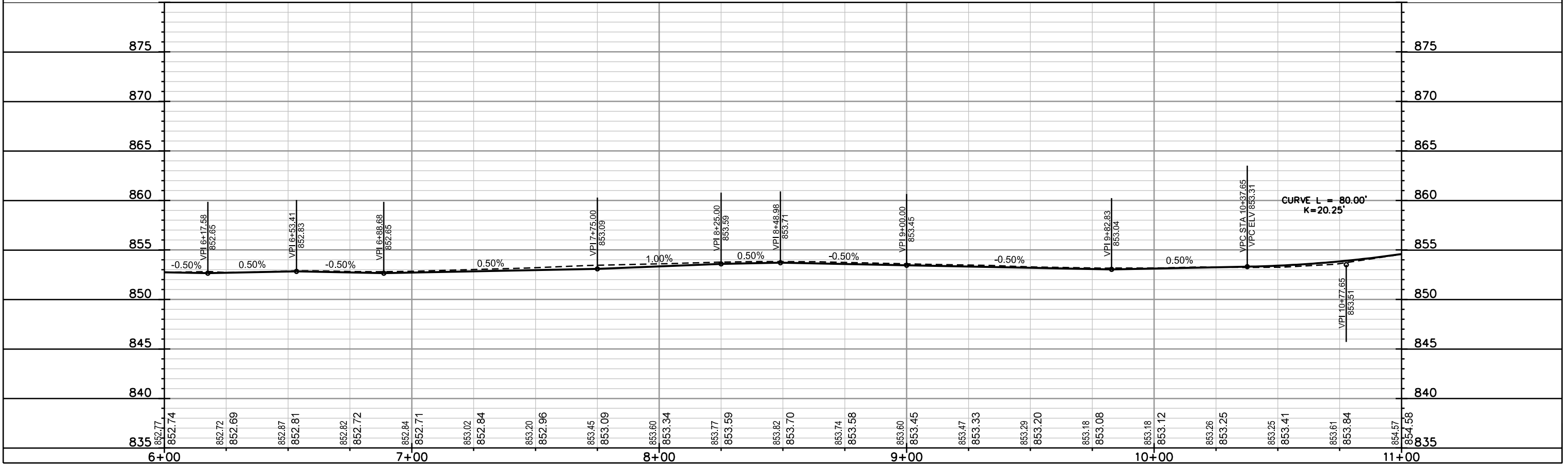
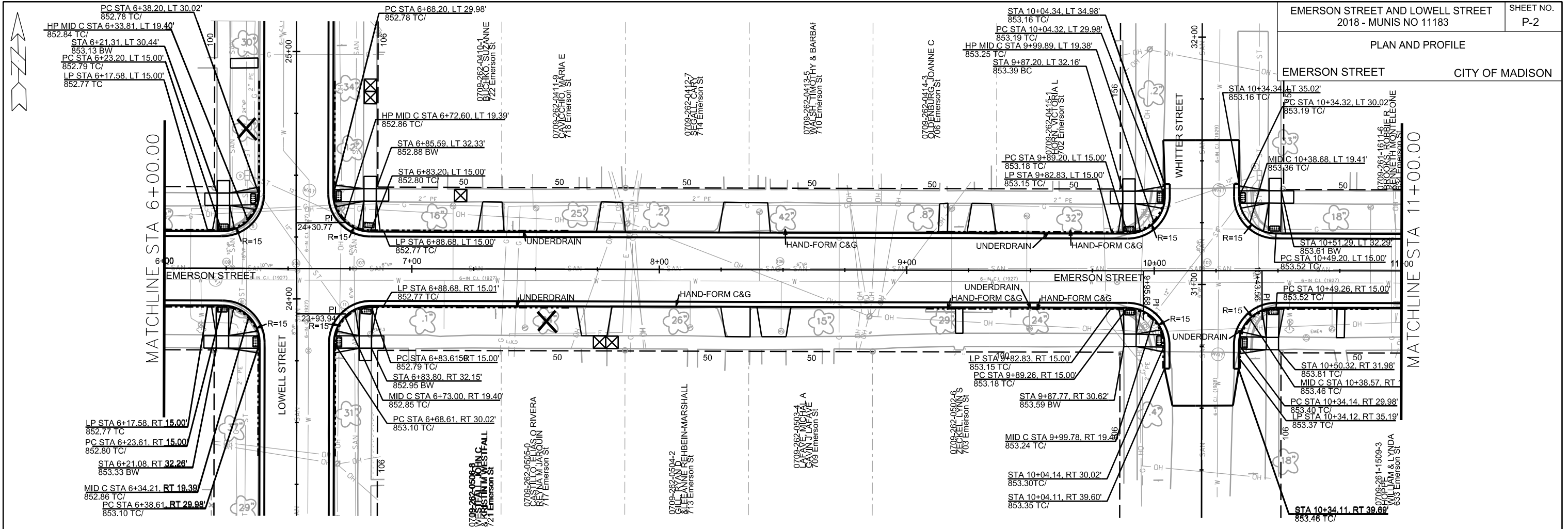
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PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

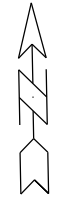
PLAN AND PROFILE  
EMERSON STREET CITY OF MADISON



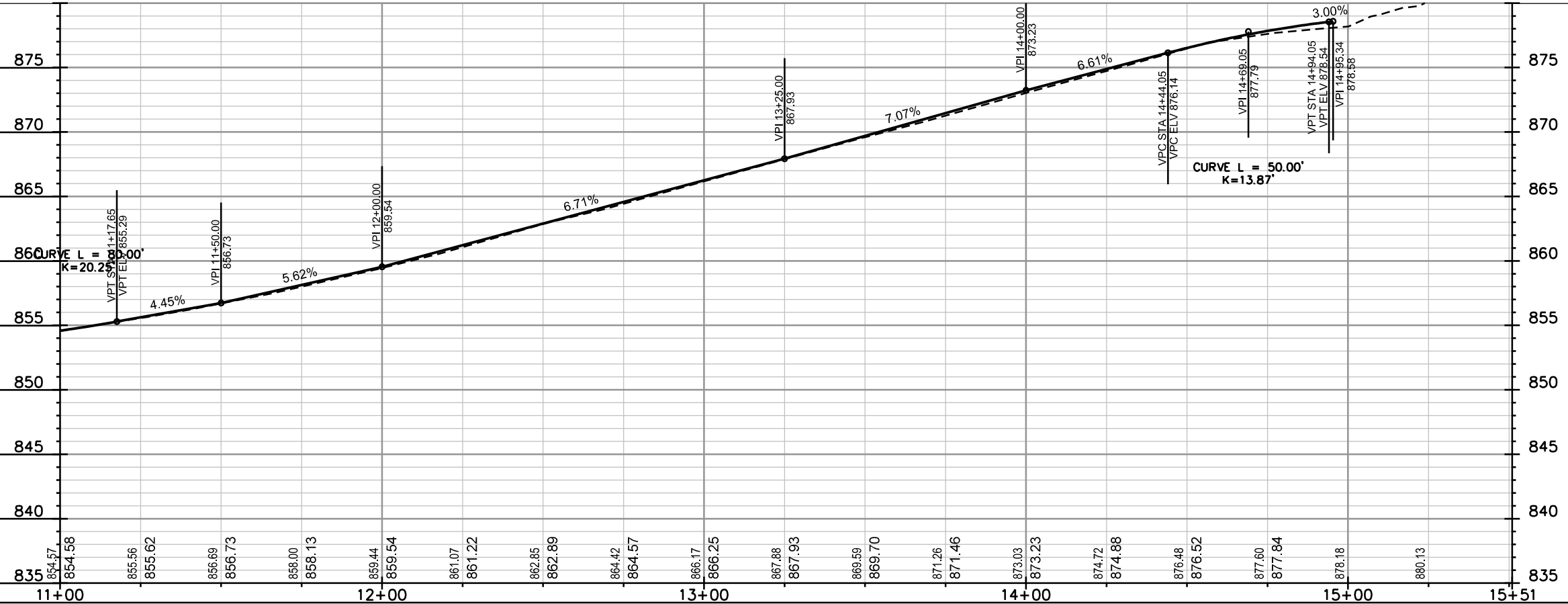
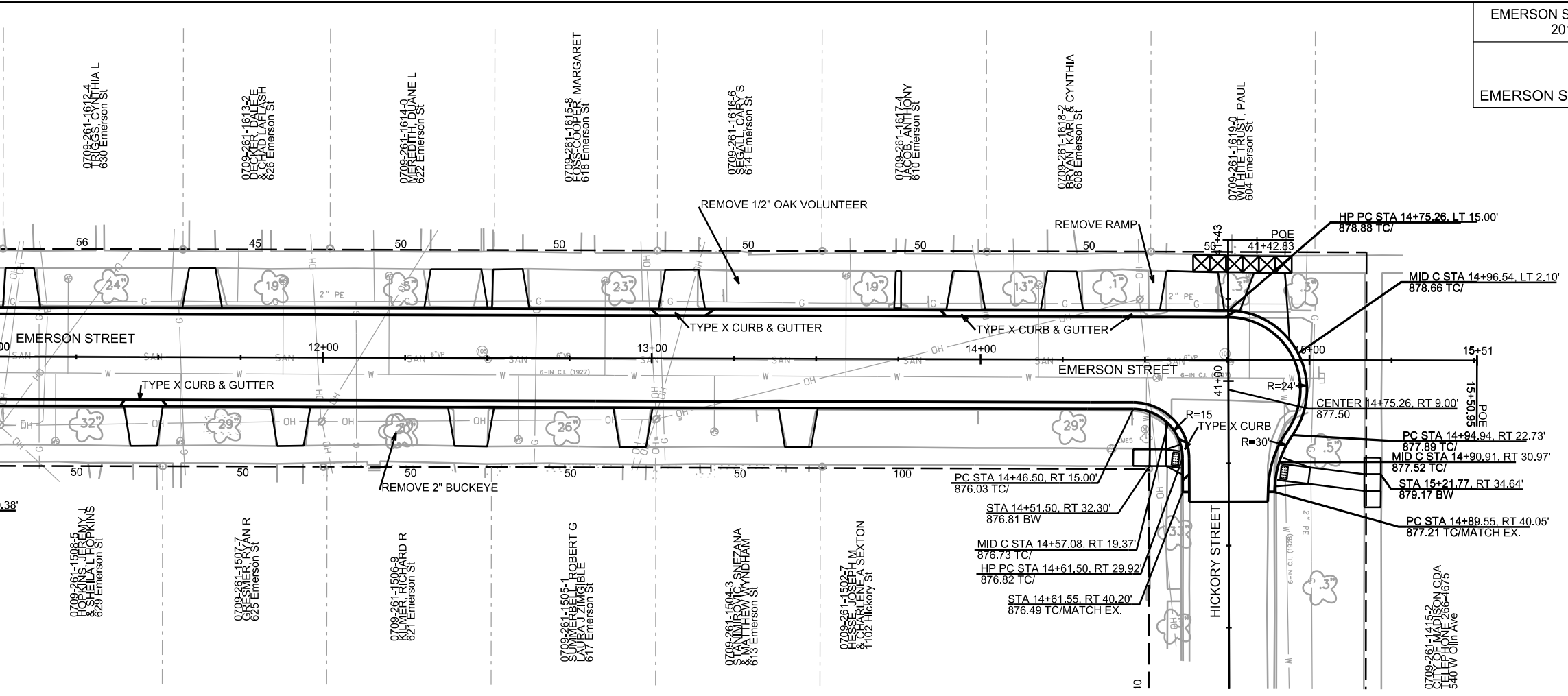
PLOT SCALE: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 11+00.00



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

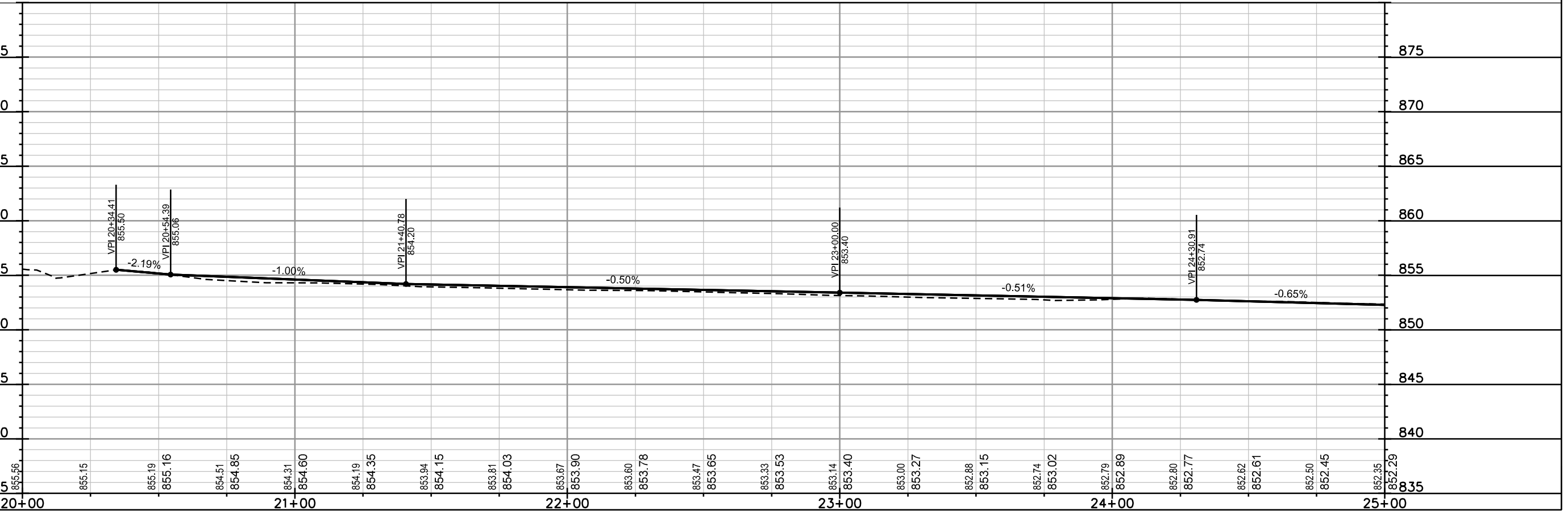
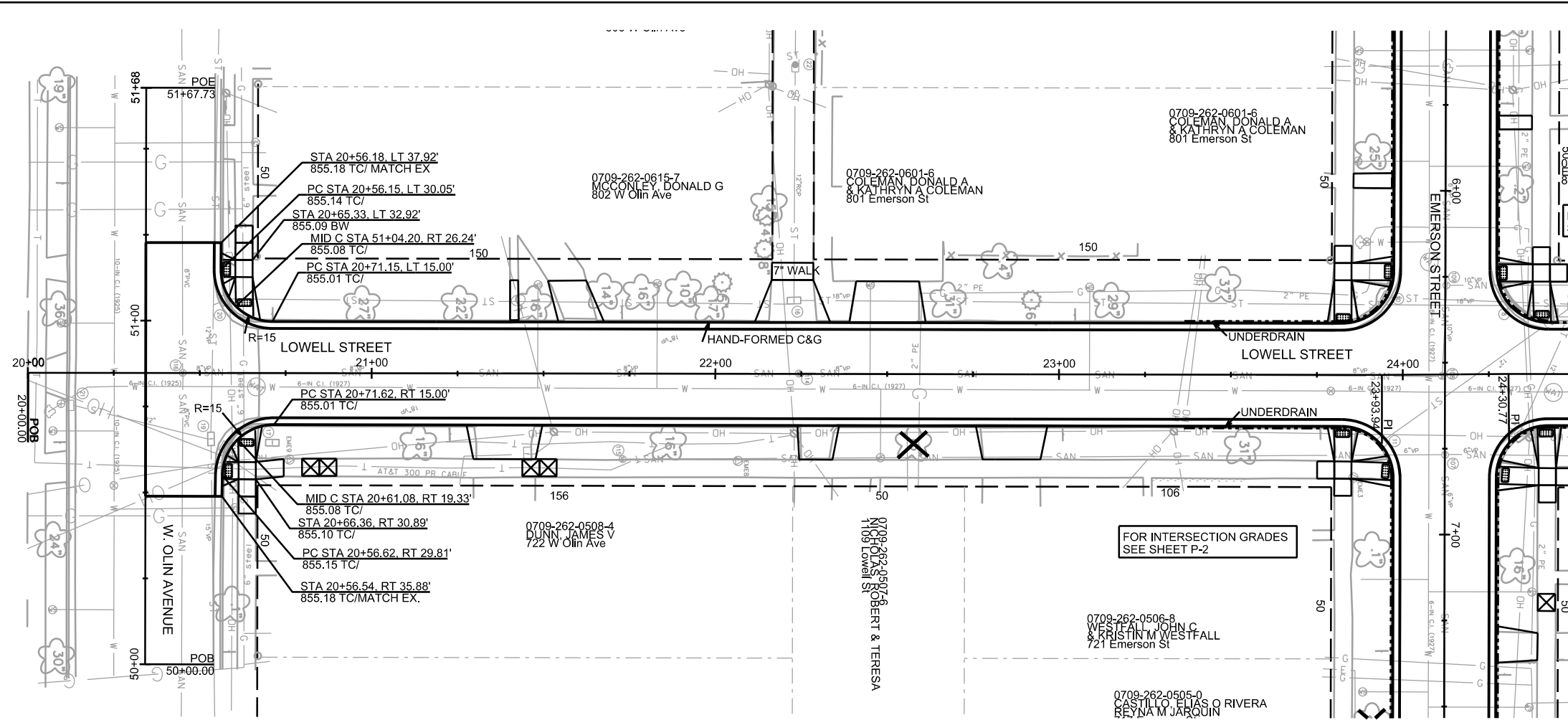
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

LOWELL STREET CITY OF MADISON



PLOT SCALE: \_\_\_\_\_

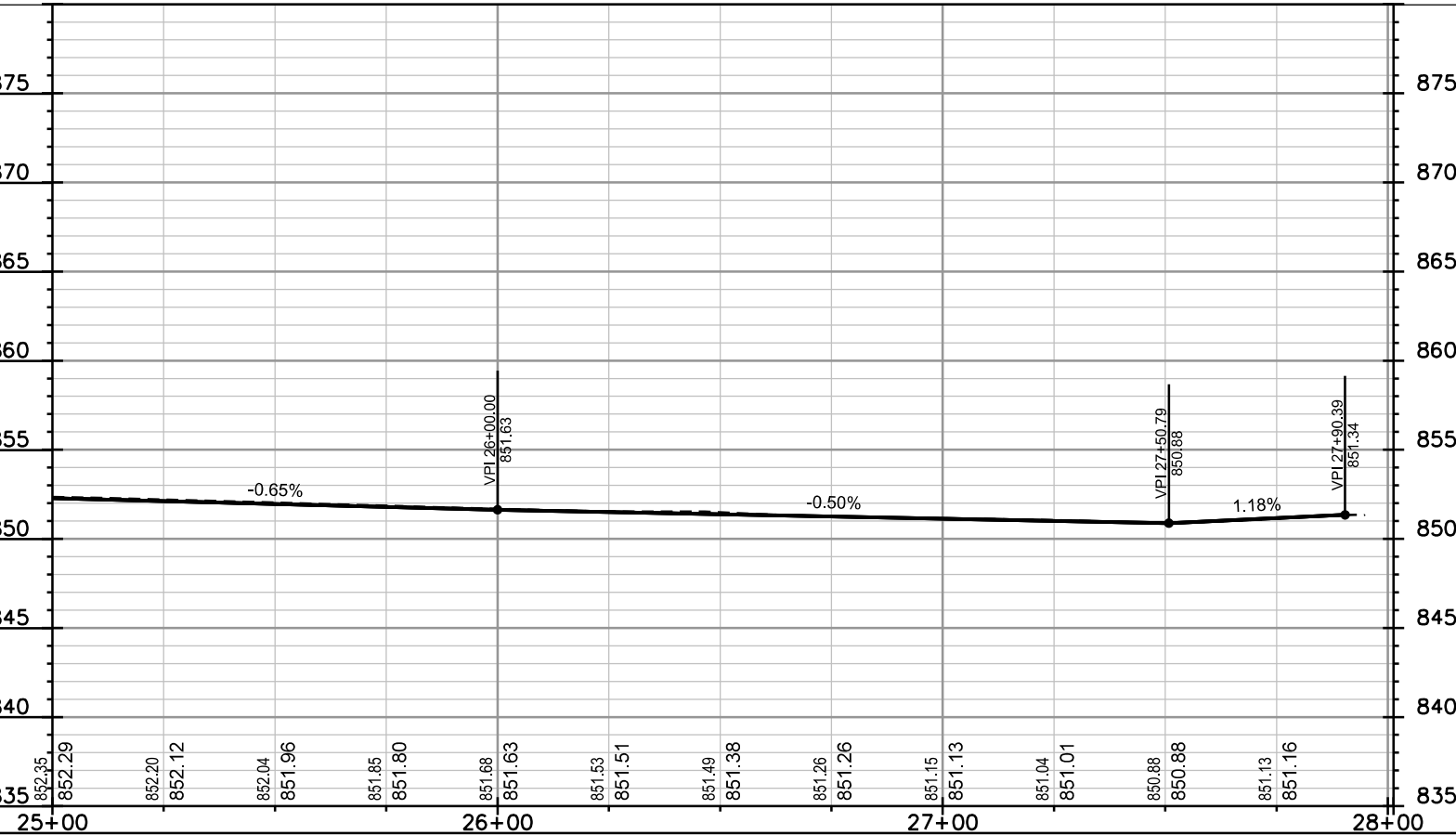
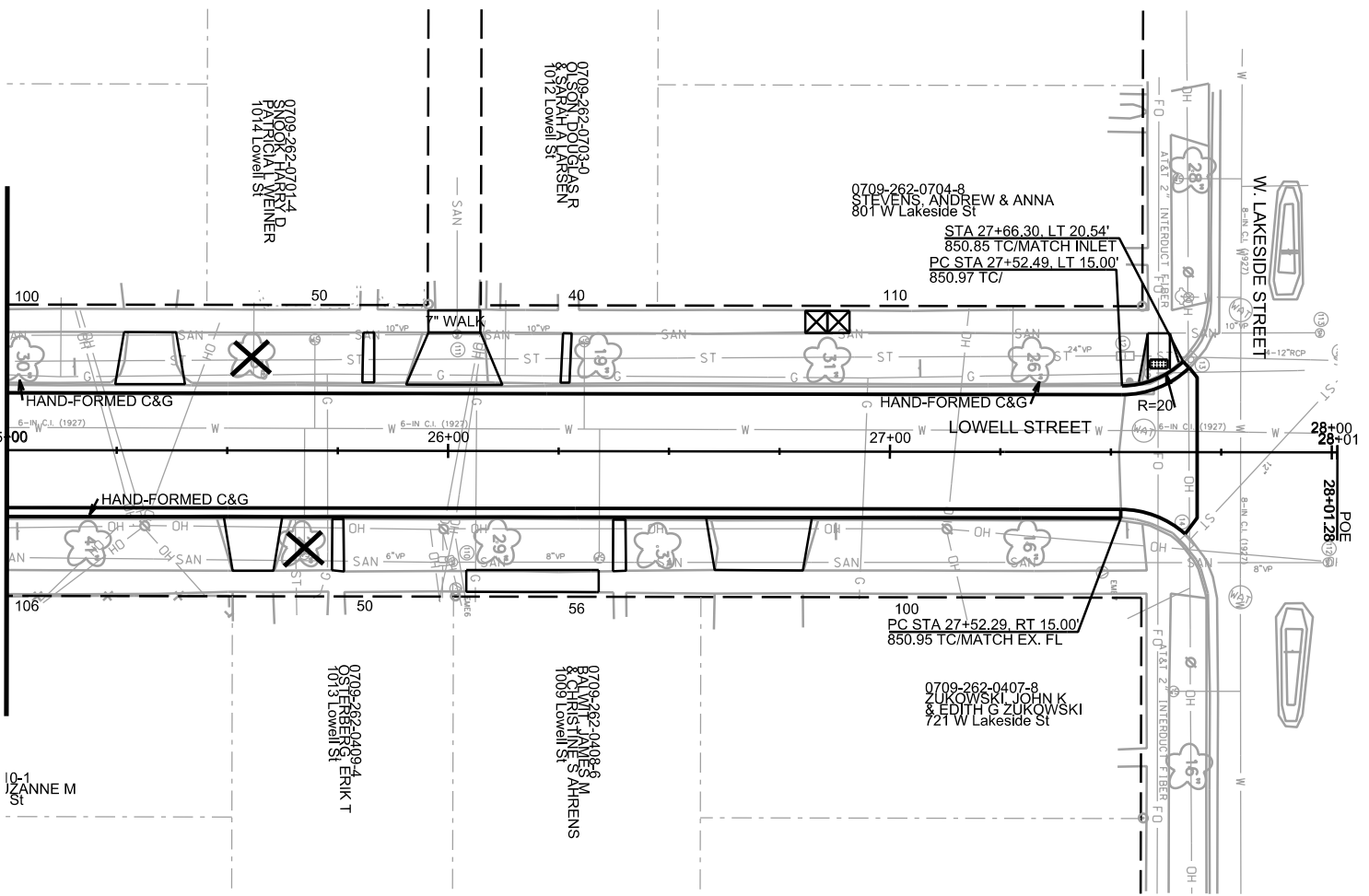
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 25+00.00



PLOT SCALE: \_\_\_\_\_

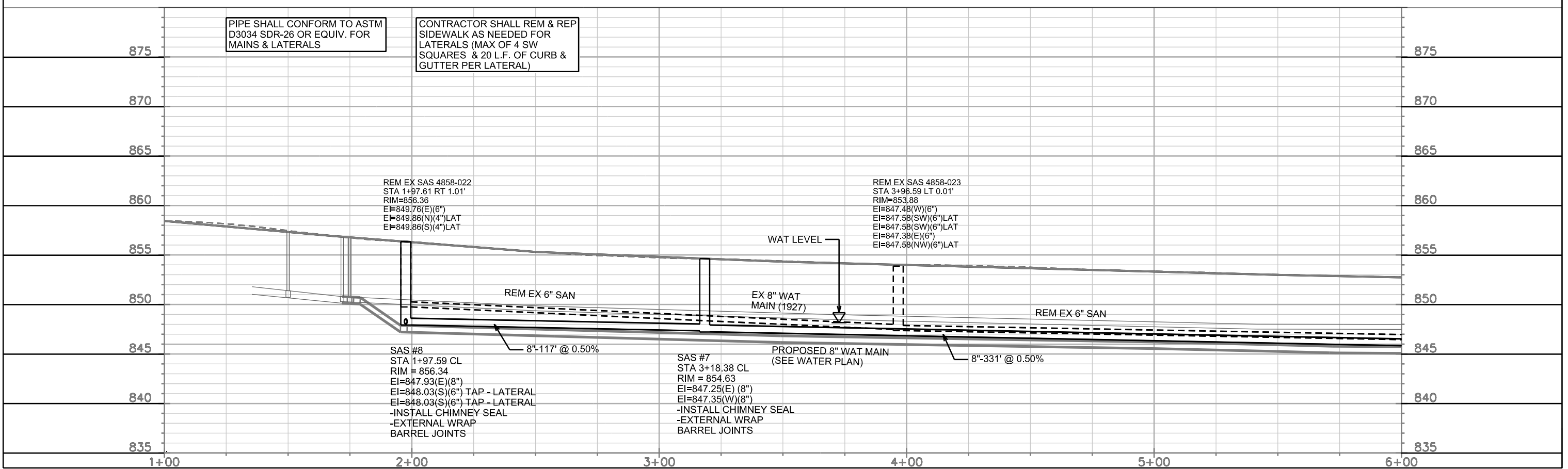
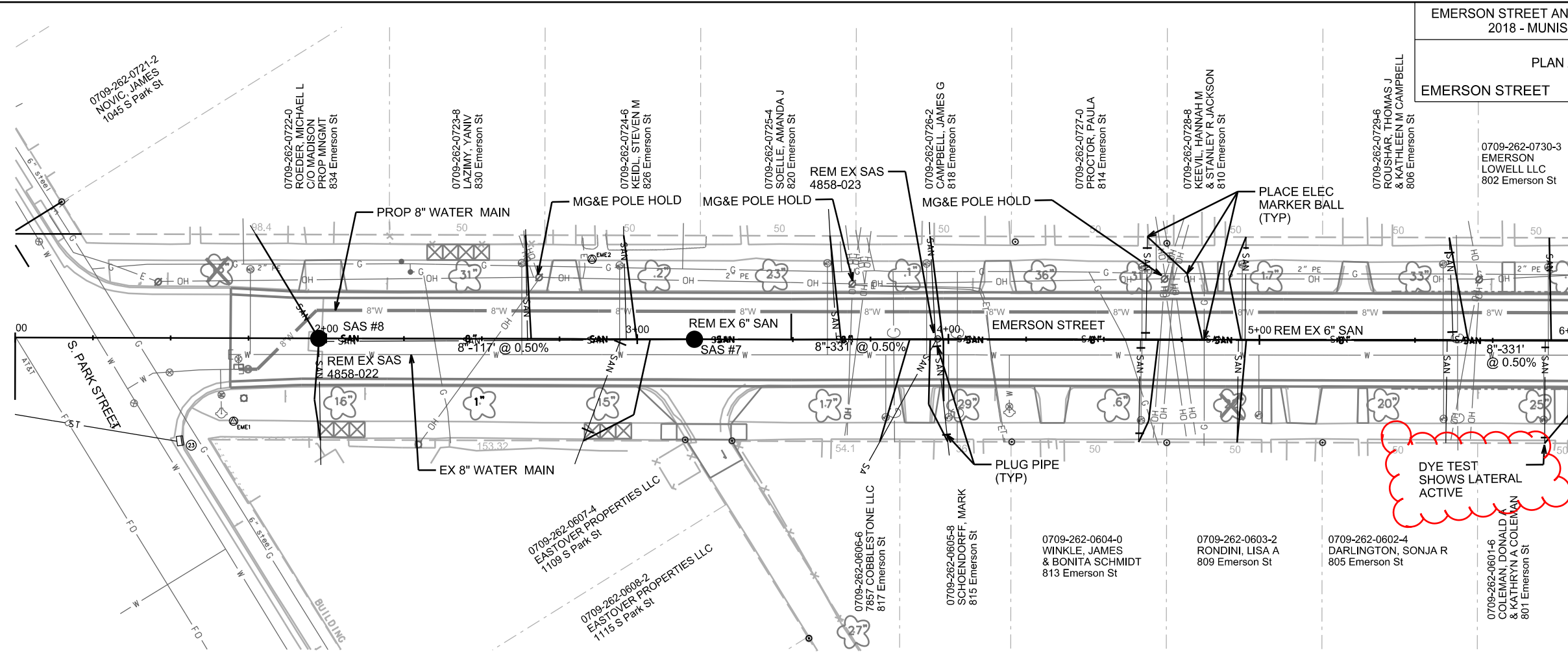
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 5/2/2018 DAO

MATCHLINE STA 6+00.00



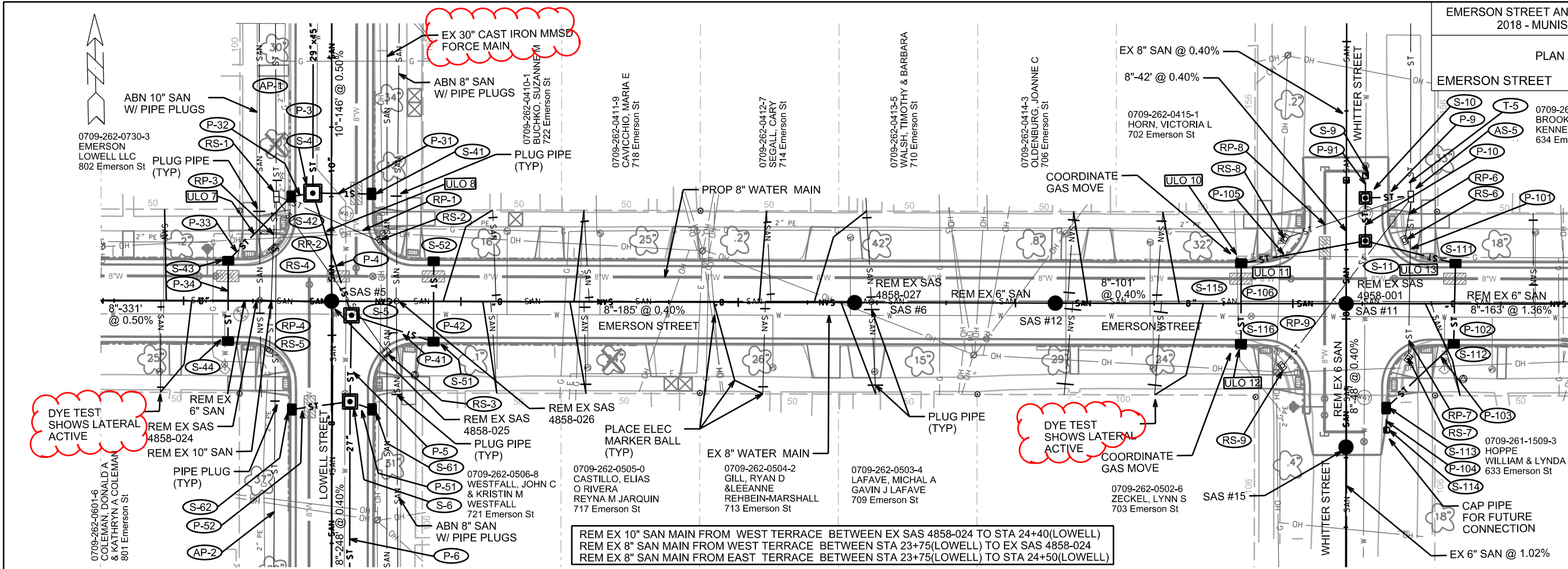
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PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

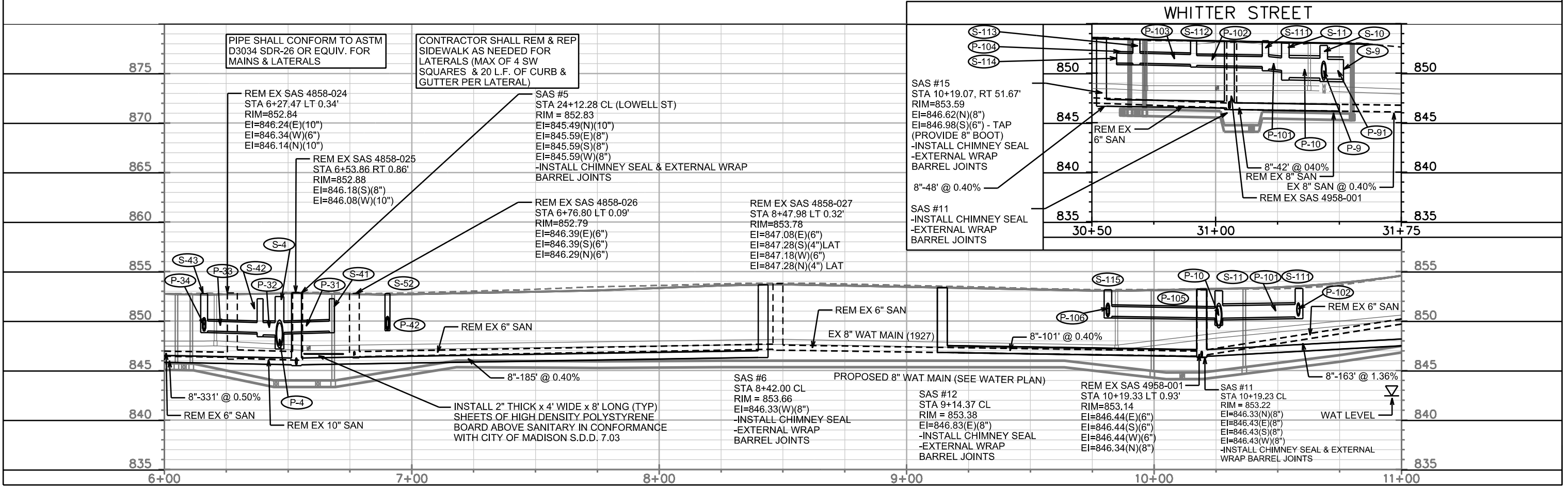
MATCHLINE STA 11+00.00



DYE TEST SHOWS LATERAL ACTIVE

DYE TEST SHOWS LATERAL ACTIVE

REM EX 10" SAN MAIN FROM WEST TERRACE BETWEEN EX SAS 4858-024 TO STA 24+40(LOWELL)  
REM EX 8" SAN MAIN FROM WEST TERRACE BETWEEN STA 23+75(LOWELL) TO EX SAS 4858-024  
REM EX 8" SAN MAIN FROM EAST TERRACE BETWEEN STA 23+75(LOWELL) TO STA 24+50(LOWELL)



PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR MAINS & LATERALS

CONTRACTOR SHALL REM & REP SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SW SQUARES & 20 L.F. OF CURB & GUTTER PER LATERAL)

REM EX SAS 4858-024  
STA 6+27.47 LT 0.34'  
RIM=852.84  
EI=846.24(E)(10")  
EI=846.34(W)(6")  
EI=846.14(N)(10")

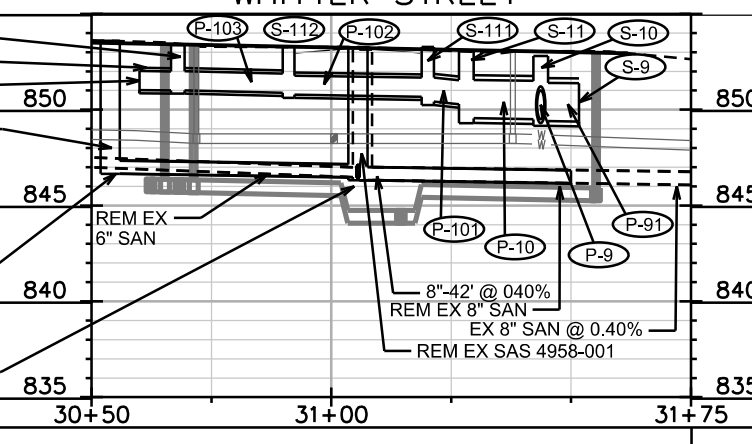
REM EX SAS 4858-025  
STA 6+53.86 RT 0.86'  
RIM=852.88  
EI=846.18(S)(8")  
EI=846.08(W)(10")

SAS #5  
STA 24+12.28 CL (LOWELL ST)  
RIM = 852.83  
EI=845.49(N)(10")  
EI=845.59(E)(8")  
EI=845.59(S)(8")  
EI=845.59(W)(8")

REM EX SAS 4858-026  
STA 6+76.80 LT 0.09'  
RIM=852.79  
EI=846.39(E)(6")  
EI=846.39(S)(6")  
EI=846.29(N)(6")

REM EX SAS 4858-027  
STA 8+47.98 LT 0.32'  
RIM=853.78  
EI=847.08(E)(6")  
EI=847.28(S)(4")LAT  
EI=847.18(W)(6")  
EI=847.28(N)(4")LAT

SAS #15  
STA 10+19.07, RT 51.67'  
RIM=853.59  
EI=846.62(N)(8")  
EI=846.98(S)(6") - TAP (PROVIDE 8" BOOT)  
-INSTALL CHIMNEY SEAL  
-EXTERNAL WRAP BARREL JOINTS  
8"-48" @ 0.40%



REM EX SAS 4858-026  
STA 6+76.80 LT 0.09'  
RIM=852.79  
EI=846.39(E)(6")  
EI=846.39(S)(6")  
EI=846.29(N)(6")

REM EX SAS 4858-027  
STA 8+47.98 LT 0.32'  
RIM=853.78  
EI=847.08(E)(6")  
EI=847.28(S)(4")LAT  
EI=847.18(W)(6")  
EI=847.28(N)(4")LAT

REM EX SAS 4958-001  
STA 10+19.33 LT 0.93'  
RIM=853.14  
EI=846.44(E)(6")  
EI=846.44(S)(6")  
EI=846.44(W)(6")  
EI=846.34(N)(8")

SAS #11  
STA 10+19.23 CL  
RIM = 853.22  
EI=846.33(N)(8")  
EI=846.43(E)(8")  
EI=846.43(S)(8")  
EI=846.43(W)(8")  
-INSTALL CHIMNEY SEAL & EXTERNAL WRAP BARREL JOINTS

REM EX SAS 4858-024  
STA 6+27.47 LT 0.34'  
RIM=852.84  
EI=846.24(E)(10")  
EI=846.34(W)(6")  
EI=846.14(N)(10")

REM EX SAS 4858-025  
STA 6+53.86 RT 0.86'  
RIM=852.88  
EI=846.18(S)(8")  
EI=846.08(W)(10")

SAS #6  
STA 8+42.00 CL  
RIM = 853.66  
EI=846.33(W)(8")  
-INSTALL CHIMNEY SEAL  
-EXTERNAL WRAP BARREL JOINTS

INSTALL 2" THICK x 4' WIDE x 8' LONG (TYP) SHEETS OF HIGH DENSITY POLYSTYRENE BOARD ABOVE SANITARY IN CONFORMANCE WITH CITY OF MADISON S.D.D. 7.03

PROPOSED 8" WAT MAIN (SEE WATER PLAN)

SAS #12  
STA 9+14.37 CL  
RIM = 853.38  
EI=846.83(E)(8")  
-INSTALL CHIMNEY SEAL  
-EXTERNAL WRAP BARREL JOINTS

REM EX SAS 4958-001  
STA 10+19.33 LT 0.93'  
RIM=853.14  
EI=846.44(E)(6")  
EI=846.44(S)(6")  
EI=846.44(W)(6")  
EI=846.34(N)(8")

SAS #11  
STA 10+19.23 CL  
RIM = 853.22  
EI=846.33(N)(8")  
EI=846.43(E)(8")  
EI=846.43(S)(8")  
EI=846.43(W)(8")  
-INSTALL CHIMNEY SEAL & EXTERNAL WRAP BARREL JOINTS

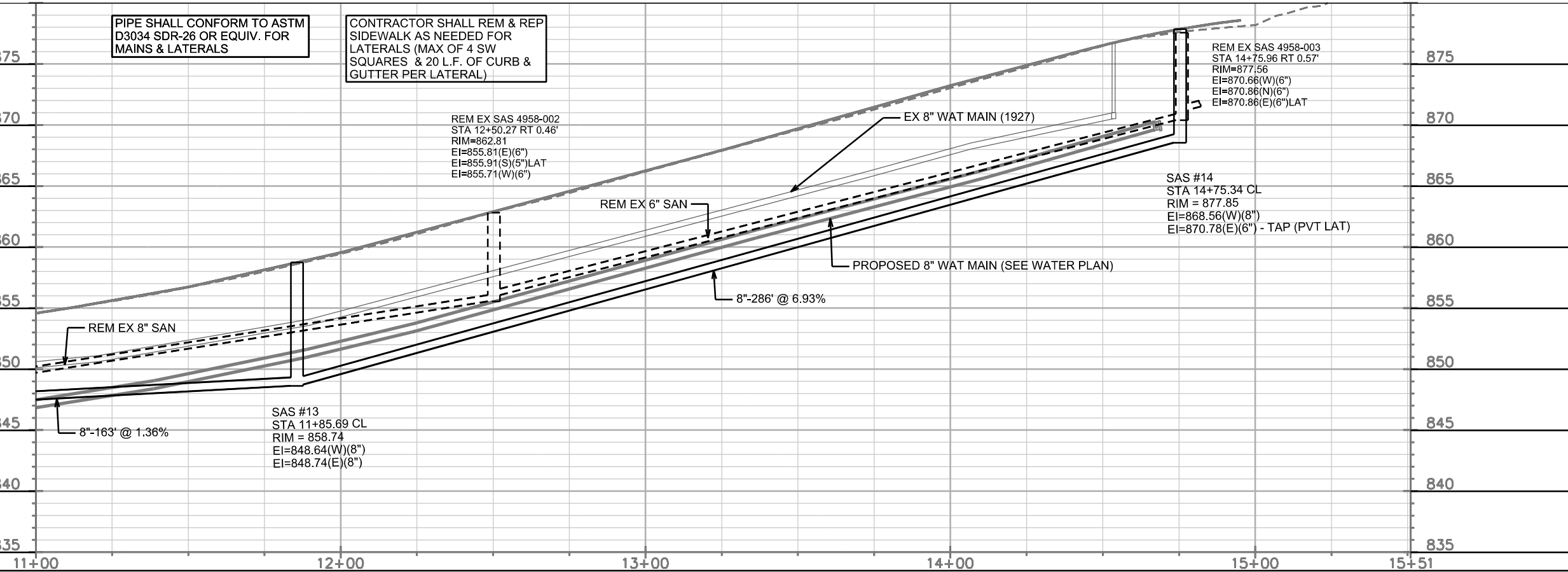
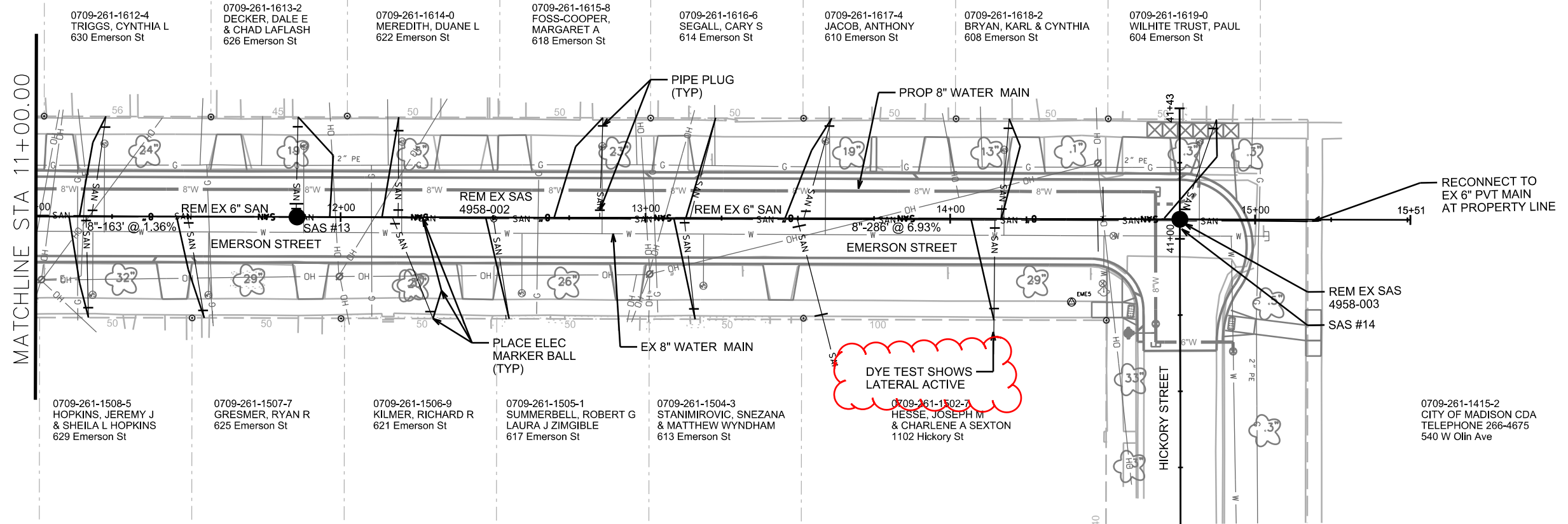
PLOT SCALE: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



REV 5/2/2018 DAO



PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR MAINS & LATERALS

CONTRACTOR SHALL REM & REP SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SW SQUARES & 20 L.F. OF CURB & GUTTER PER LATERAL)

REM EX SAS 4958-002  
STA 12+50.27 RT 0.46'  
RIM=862.81  
EI=855.81(E)(6")  
EI=855.91(S)(5")LAT  
EI=855.71(W)(6")

REM EX SAS 4958-003  
STA 14+75.96 RT 0.57'  
RIM=877.56  
EI=870.66(W)(6")  
EI=870.86(N)(6")  
EI=870.86(E)(6")LAT

SAS #14  
STA 14+75.34 CL  
RIM = 877.85  
EI=868.56(W)(8")  
EI=870.78(E)(6") - TAP (PVT LAT)

SAS #13  
STA 11+85.69 CL  
RIM = 858.74  
EI=848.64(W)(8")  
EI=848.74(E)(8")

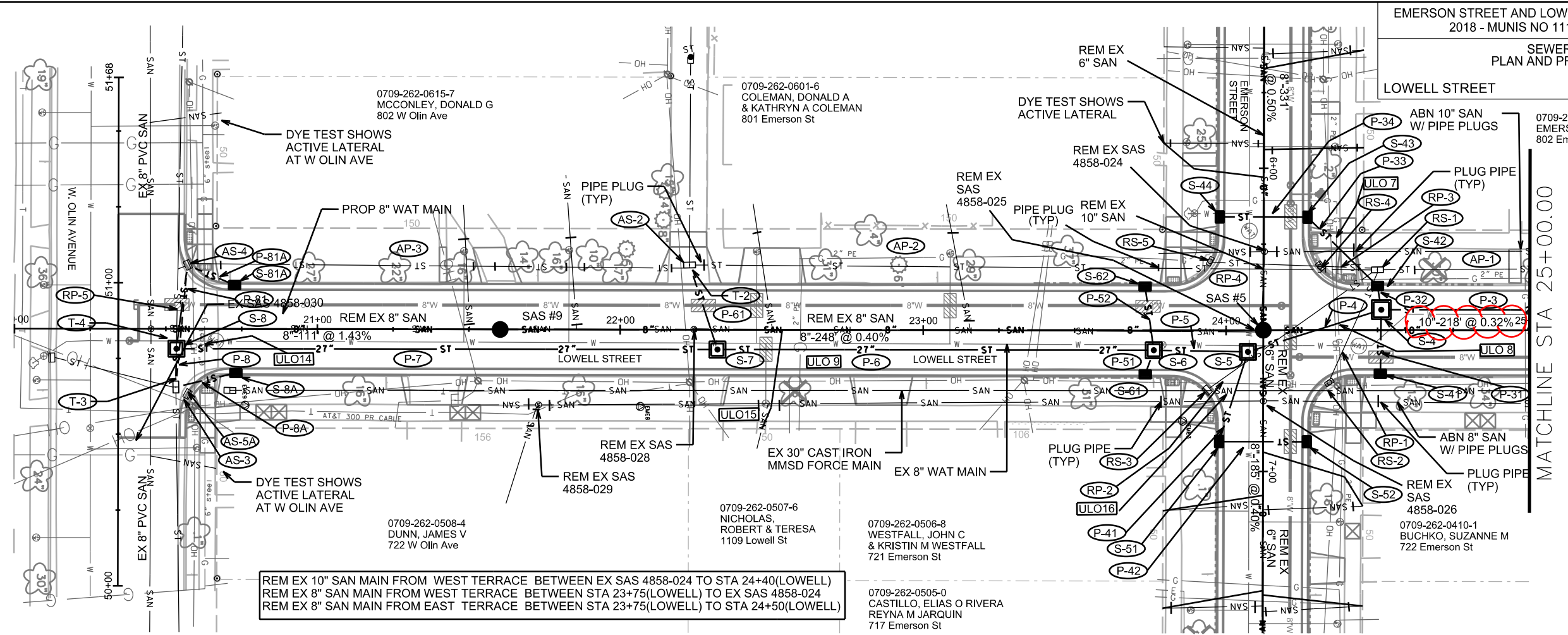
PLOT SCALE: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



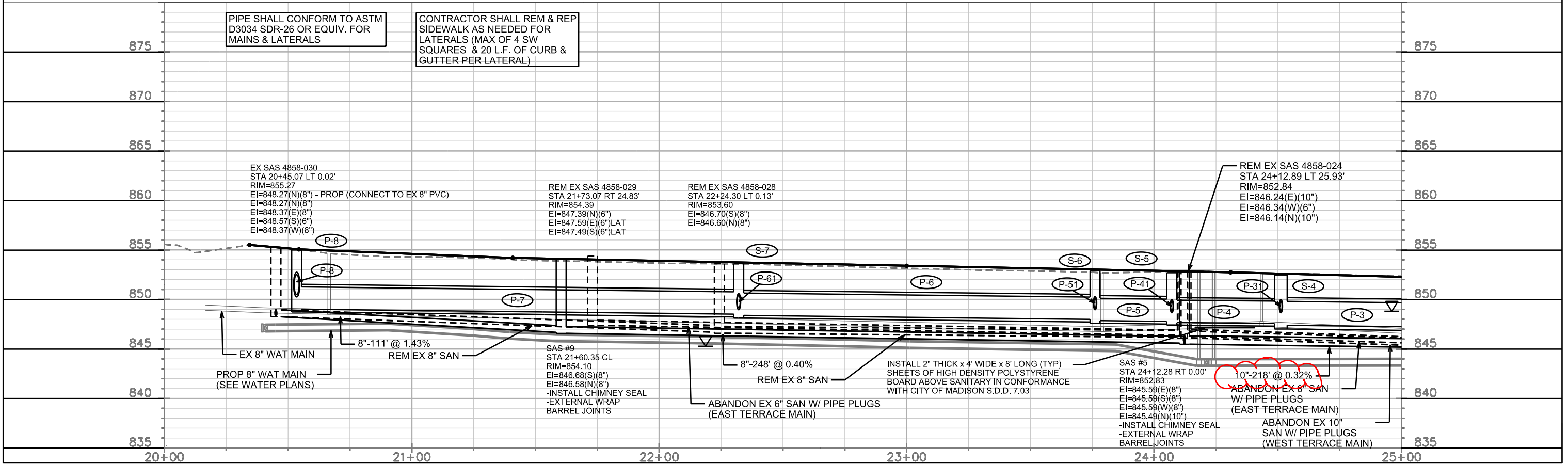
SEWER PLAN AND PROFILE  
LOWELL STREET  
CITY OF MADISON



REM EX 10" SAN MAIN FROM WEST TERRACE BETWEEN EX SAS 4858-024 TO STA 24+40(LOWELL)  
REM EX 8" SAN MAIN FROM WEST TERRACE BETWEEN STA 23+75(LOWELL) TO EX SAS 4858-024  
REM EX 8" SAN MAIN FROM EAST TERRACE BETWEEN STA 23+75(LOWELL) TO STA 24+50(LOWELL)

PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR MAINS & LATERALS

CONTRACTOR SHALL REM & REP SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SW SQUARES & 20 L.F. OF CURB & GUTTER PER LATERAL)



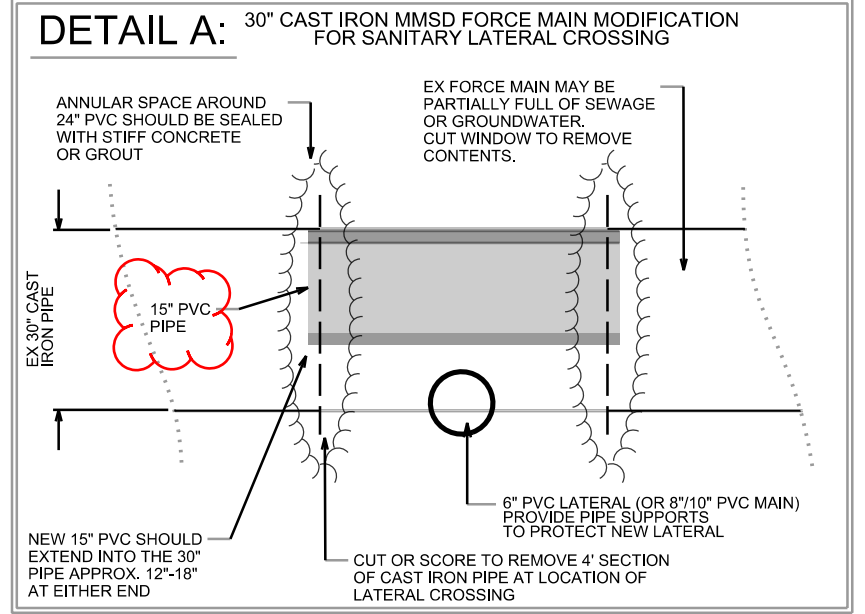
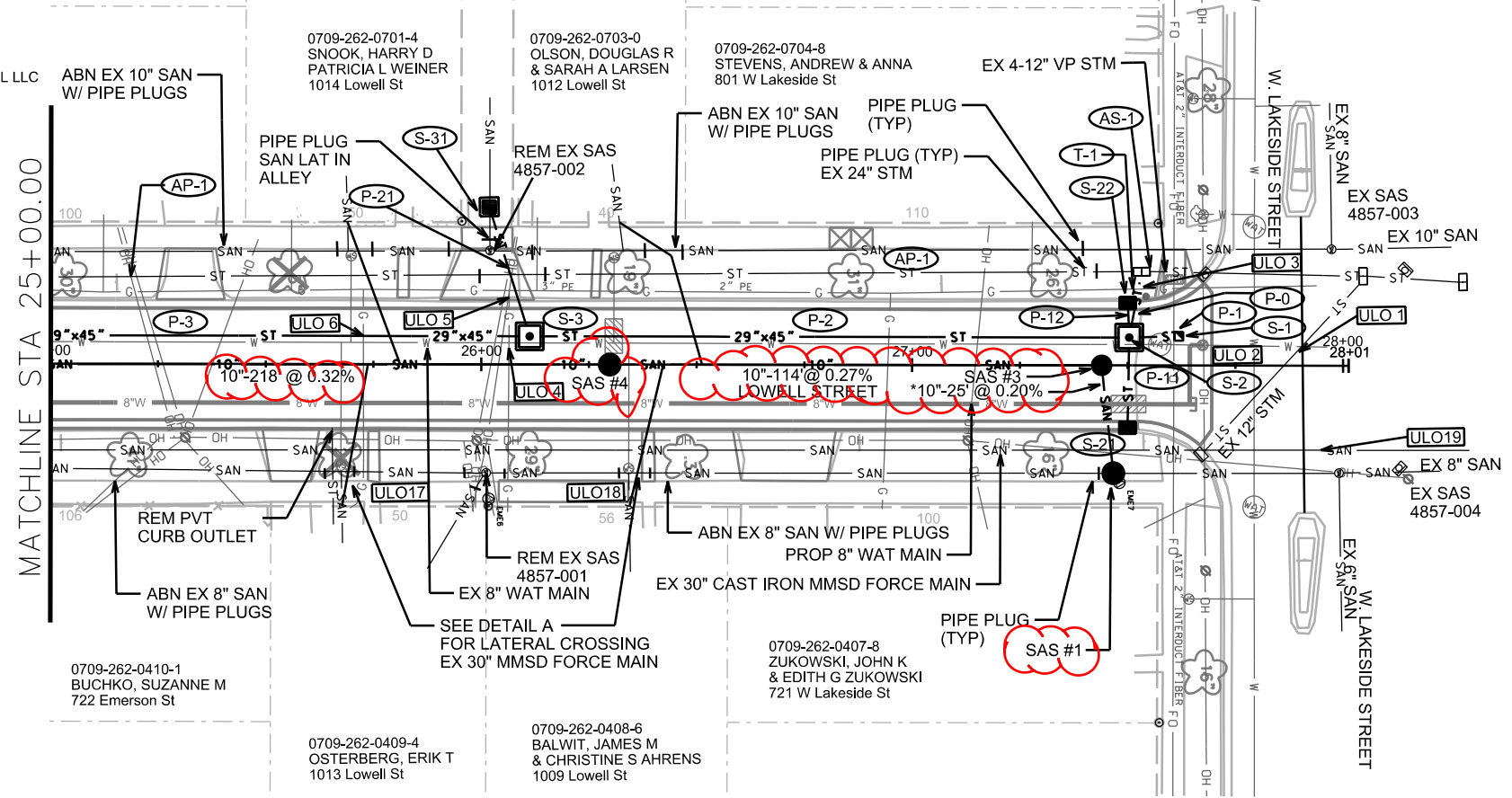
10"-218' @ 0.32%  
ABANDON EX 8" SAN W/ PIPE PLUGS (EAST TERRACE MAIN)  
ABANDON EX 10" SAN W/ PIPE PLUGS (WEST TERRACE MAIN)

PLOT SCALE: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

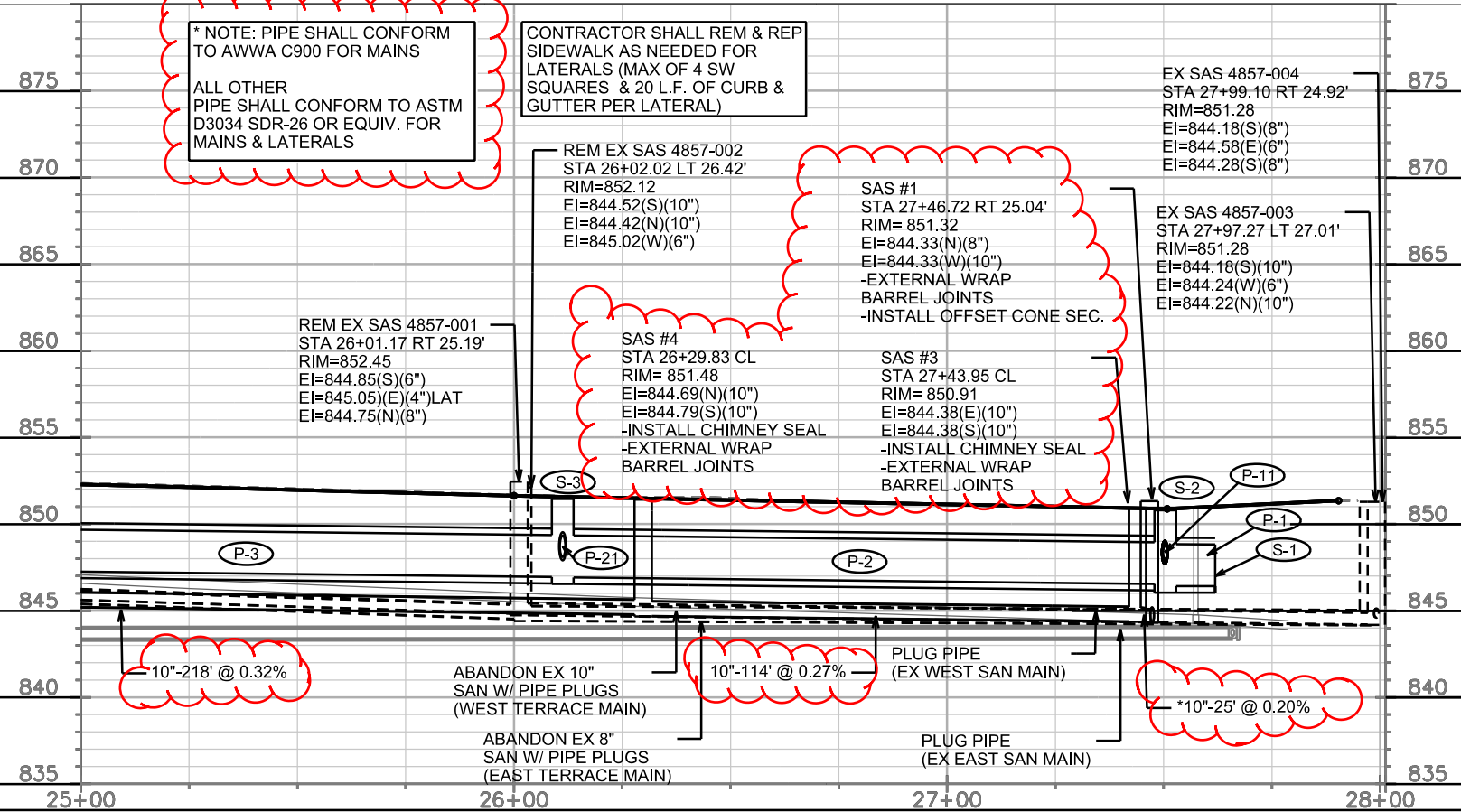
REV 5/2/2018 DAO  
REV 6/26/2018 DAO



CONTRACTOR SHALL CONTACT RAY SCHNEIDER  
((608) 347-3628 OR RAYS@MADSEWER.ORG) 24 HOURS  
IN ADVANCE OF STARTING WORK REQUIRING  
MODIFICATION OF MMSD FORCE MAIN.

\* NOTE: PIPE SHALL CONFORM TO AWWA C900 FOR MAINS  
ALL OTHER PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR MAINS & LATERALS

CONTRACTOR SHALL REM & REP SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SW SQUARES & 20 L.F. OF CURB & GUTTER PER LATERAL)



PLOT SCALE: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SEWER SCHEDULE

\* REV 5/2/2018 DAO

\*\* REV 6/26/2018 DAO

EMERSON STREET AND LOWELL STREET	SHEET NO.
2018 - MUNIS NO 11183	U-6
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>LOWELL ST</b>						
** SAS #1	27+46.72	RT-25.04	850.91	844.33	6.58	(2)(3); 4' DIA SAS
* SAS #2	27+90.39	RT-1.00	851.32	844.22	7.10	(1)(2); 4' DIA SAS
** SAS #3	27+43.95	CL	850.91	844.38	6.53	(1)(2); 4' DIA SAS
** SAS #4	26+29.83	CL	851.48	844.69	6.79	(1)(2); 4' DIA SAS
SAS #5	24+12.28	CL	852.83	845.49	7.34	(1)(2); 4' DIA SAS
SAS #9	21+60.35	CL	854.10	846.58	7.52	(1)(2); 4' DIA SAS
<b>EMERSON ST</b>						
SAS #6	8+42.00	CL	853.66	846.33	7.33	(1)(2); 4' DIA SAS
SAS #7	3+18.38	CL	854.63	847.25	7.38	(1)(2); 4' DIA SAS
SAS #8	1+97.59	CL	856.34	847.93	8.41	(1)(2); 4' DIA SAS
SAS #11	10+19.23	CL	853.22	846.33	6.89	(1)(2); 4' DIA SAS
SAS #12	9+14.37	CL	853.38	846.83	6.55	(1)(2); 4' DIA SAS
SAS #13	11+85.69	CL	858.74	848.64	10.10	4' DIA SAS
SAS #14	14+75.34	CL	877.85	868.56	9.29	4' DIA SAS
SAS #15	10+19.07	RT-51.67	853.59	846.62	6.97	(1)(2); 4' DIA SAS

## REMOVE SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP OF CASTING	EX E.I.	DEPTH	NOTES
<b>LOWELL ST</b>						
* SAS 4857-004	27+99.10	RT-24.92	851.28	844.42	6.86	4X4 SAS
SAS 4857-001	26+01.17	RT-25.19	852.45	844.75	7.70	4X4 SAS
SAS 4857-002	26+02.02	LT-26.42	852.12	844.42	7.70	4X4 SAS
SAS 4858-028	22+24.30	LT-0.13	853.6	846.6	7.00	4X4 SAS
SAS 4858-029	21+73.07	RT-24.83	854.39	847.39	7.00	4X4 SAS
<b>EMERSON ST</b>						
SAS 4858-022	1+97.61	RT-1.01	856.36	849.76	6.60	4X4 SAS
SAS 4858-023	3+96.59	LT-0.01	853.88	847.38	6.50	4X4 SAS
SAS 4858-024	6+27.47	LT-0.34	852.84	846.14	6.70	4X4 SAS
SAS 4858-025	6+53.86	RT-0.86	852.88	846.08	6.80	4X4 SAS
SAS 4858-026	6+76.80	LT-0.09	852.79	846.29	6.50	4X4 SAS
SAS 4858-027	8+47.98	LT-0.32	853.78	847.18	6.60	4X4 SAS
SAS 4958-001	10+19.33	LT-0.93	853.14	846.34	6.80	4X4 SAS
SAS 4958-002	12+50.27	RT-0.46	862.81	855.71	7.10	4X4 SAS
SAS 4958-003	14+75.96	RT-0.57	877.56	870.66	6.90	4X4 SAS

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PIPE LGTH (ft)	SLOPE (%)	PIPE SIZE (in)	PIPE TYPE
<b>LOWELL ST</b>							
** SAS #1	SAS #3	844.33	844.38	25.0	0.20%	10"	C900
* SAS #2	SAS #3	844.22	844.28	30.0	0.20%	10"	C900
** SAS #3	SAS #4	844.38	844.69	114.0	0.27%	10"	SDR-26
** SAS #4	SAS #5	844.79	845.49	218.0	0.32%	10"	SDR-26
SAS #5	SAS #9	845.59	846.58	1.0	99.00%	8"	SDR-26
SAS #9	SAS 4858-030	846.68	848.27	111.0	1.43%	8"	SDR-26 CONNECT TO EX 8" PVC
<b>EMERSON ST</b>							
SAS #5	SAS #6	845.59	846.33	185.0	0.40%	8"	SDR-26
SAS #5	SAS #7	845.59	847.25	331.0	0.50%	8"	SDR-26
SAS #7	SAS #8	847.35	847.93	117.0	0.50%	8"	SDR-26
10+19.37, LT-44.45	SAS #11	846.16	846.33	42.0	0.40%	8"	SDR-26 PROVIDE COMPRESSION COUPLING
SAS #11	SAS #12	846.43	846.83	101.0	0.40%	8"	SDR-26
SAS #11	SAS #13	846.43	848.64	163.0	1.36%	8"	SDR-26
SAS #13	SAS #14	848.74	868.56	286.0	6.93%	8"	SDR-26
SAS #11	SAS #15	846.43	846.62	48.0	0.40%	8"	SDR-26 PROVIDE 8" CHANNEL & BOOT

## REMOVE SANITARY PIPES

REMOVE FROM	REMOVE TO	LENGTH (ft)	PAID (Y/N)	SIZE (DIA)	NOTES
<b>LOWELL ST</b>					
SAS 4858-024	SAS 4858-025	22.5	N	10"	
SAS 4858-025	SAS 4858-028	183	N	8"	
SAS 4858-028	SAS 4858-030	175	N	8"	
* 23+75.00, RT 23.80	24+50.00, RT 23.80	75	Y	8"	CROSSES EMERSON IN EAST TERRACE
* 23+75.00 LT 25.44	SAS 4858-024	37	Y	8"	CROSSES EMERSON IN WEST TERRACE
* SAS 4858-024	24+40.00, LT 25.84	28	Y	10"	CROSSES EMERSON IN WEST TERRACE
<b>EMERSON ST</b>					
SAS 4858-024	SAS 4858-023	227	N	6"	
SAS 4858-023	SAS 4858-022	195	N	6"	
SAS 4858-026	SAS 4858-027	167	N	6"	
SAS 4958-001	SAS 4858-027	167.5	N	6"	
SAS 4958-001	SAS 4958-002	227	N	6"	
SAS 4958-002	SAS 4958-003	222	N	6"	
<b>WHITTER ST</b>					
SAS 4957-008	SAS 4958-001	42.5	N	8"	
SAS 4958-001	SAS 4958-004	48.0	N	6"	

## ABANDON SANITARY PIPES

FROM	TO	LENGTH (ft)	PAID (Y/N)	SIZE (DIA)	NOTES
<b>LOWELL ST</b>					
SAS 4857-004	SAS 4857-001	194	N	8"	ABN W/ PIPE PLUGS
SAS 4857-001	SAS 4858-026	185	N	6"	ABN W/ PIPE PLUGS
SAS 4858-026	SAS 4858-029	235	N	6"	ABN W/ PIPE PLUGS
SAS 4857-003	SAS 4857-002	191	Y	10"	ABN W/ PIPE PLUGS
SAS 4857-002	SAS 4858-024	185	Y	10"	ABN W/ PIPE PLUGS

## SPECIFIC NOTES

- (1) INSTALL CHIMNEY SEAL
- (2) EXTERNAL WRAP BARREL JOINTS
- (3) INSTALL OFFSET CONC CONE

# STORM SEWER SCHEDULE

EMERSON STREET AND LOWELL STREET 2018 - MUNIS NO 11183	SHEET NO. U-7
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>LOWELL ST</b>							
T-1	27+53.22	LT-21.75	STORM TAP	-	847.50	-	TAP EX AS 4857-026
S-1	27+61.88	LT-6.75	PIPE CAP	846.41	-	-	PLACE MARKER BALL
S-2	27+50.35	LT-6.47	5'x5' SAS	850.79	846.43	4.36	w/R-1550-0054
S-21	27+50.00	RT-14.50	H INLET	850.95	847.93	3.02	LP;FP; w/ R-3067-7004-VB
S-22	27+50.00	LT-14.50	H INLET	850.97	847.86	3.11	LP;FP; w/ R-3067-7004-VB
S-3	26+11.24	LT-6.53	5'x5' SAS	851.45	846.93	4.52	w/R-1550-0054
S-31	26+01.82	LT-36.54	3'x3' SAS	852.00	848.59	3.41	FP; w/ R-3067-7004-V
S-4	24+51.22	LT-6.65	5'x5' SAS	852.47	847.40	5.07	w/R-1550-0054
S-41	24+50.97	RT-14.50	H INLET	852.25	849.00	3.25	FP; w/ R-3067-7004-V
S-42	24+49.96	LT-14.50	H INLET	852.26	848.60	3.66	w/ R-3067-7004-V
S-43	24+27.17	LT-37.17	H INLET	852.77	849.00	3.77	LP;w/ R-3067-7004-VB
S-44	23+98.17	LT-37.48	H INLET	852.77	849.23	3.54	LP;w/ R-3067-7004-VB
S-5	24+07.14	RT-7.13	4'x4' SAS	852.70	847.67	5.03	w/R-1550-0054
S-51	23+97.39	RT-36.62	H INLET	852.77	849.09	3.68	LP;w/ R-3067-7004-VB
S-52	24+26.39	RT-36.93	H INLET	852.77	849.37	3.40	LP;w/ R-3067-7004-VB
S-6	23+76.14	RT-6.50	4'x4' SAS	852.89	847.88	5.01	w/R-1550-0054
S-61	23+73.32	RT-14.50	H INLET	852.68	849.20	3.48	FP; w/ 1878-B7G
S-62	23+73.24	LT-14.50	H INLET	852.68	849.32	3.36	FP; w/ R-3067-7004-V
S-7	22+32.10	RT-6.50	4'x4' SAS	853.61	848.40	5.21	w/R-1550-0054
T-2	22+22.85	LT-21.36	STORM TAP	-	849.37	-	TAP EX AS 4858-035
S-8	20+53.48	RT-6.50	4'x4' SAS	854.99	849.02	5.97	w/R-1550-0054
T-3	20+53.32	RT-19.16	STORM TAP	-	850.00	-	TAP EX AS 4858-006
T-4	20+53.48	RT-6.50	STORM TAP	-	848.72	-	TAP EX IN 4858-008)
S-8A	20+73.12	RT-14.50	H INLET	854.53	851.46	3.07	FP; w/ R-3067-7004-V
S-81A	20+72.65	LT-14.50	H INLET	854.52	850.13	4.39	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
<b>LOWELL ST</b>										
P-0	AS-1	S-2	847.50	847.52	15.5	10.5	0.19%	24"	RCP	
P-1	S-1	S-2	846.41	846.43	11.5	9.0	0.22%	29"x45"	HERCP	
P-11	S-2	S-21	847.84	847.93	21.0	17.5	0.51%	12"	RCP	
P-12	S-2	S-22	847.84	847.86	8.0	4.5	0.44%	12"	RCP	
P-2	S-2	S-3	846.52	846.93	139.0	134.1	0.31%	29"x45"	HERCP	
P-21	S-3	S-31	848.09	848.59	31.5	27.3	1.83%	15"	RCP	
P-3	S-3	S-4	846.93	847.40	160.0	155.0	0.30%	29"x45"	HERCP	
P-31	S-4	S-41	848.82	849.00	21.0	17.7	1.02%	12"	RCP	
P-32	S-4	S-42	848.58	848.60	8.0	4.4	0.45%	15"	RCP	
P-33	S-42	S-43	848.85	849.00	32.5	29.6	0.51%	12"	RCP	
P-34	S-43	S-44	849.10	849.23	29.0	27.0	0.48%	12"	RCP	
P-4	S-4	S-5	847.57	847.67	46.0	41.5	0.24%	27"	RCP	
P-41	S-5	S-51	848.82	849.09	31.0	27.4	0.99%	12"	RCP	
P-42	S-51	S-52	849.19	849.37	29.0	27.0	0.67%	12"	RCP	
P-5	S-5	S-6	847.77	847.88	31.0	27.1	0.41%	27"	RCP	
P-51	S-6	S-61	849.13	849.20	8.5	5.3	1.32%	12"	RCP	
P-52	S-6	S-62	849.13	849.32	21.0	18.2	1.04%	12"	RCP	
P-6	S-6	S-7	847.98	848.40	144.0	140.0	0.30%	27"	RCP	
P-61	S-7	AS-2	849.15	849.37	29.5	23.6	0.93%	15"	RCP	NCM
P-7	S-7	S-8	848.50	849.02	178.5	174.6	0.30%	27"	RCP	
P-8	S-8	AS-3	849.50	850.00	13.0	7.2	6.94%	18"	RCP	NCM
P-81	S-8	AS-4	849.50	849.72	28.0	23.5	0.94%	18"	RCP	NCM
P-8A	AS-3	S-8A	851.30	851.46	20.5	16.3	0.98%	12"	RCP	
P-81A	AS-4	S-81A	850.00	850.13	17.0	12.6	1.03%	12"	RCP	
<b>EMERSON ST</b>										
P-9	AS-5	S-10	849.45	849.50	16.5	11.9	0.42%	18"	RCP	
P-91	S-9	S-10	849.38	849.40	8.0	6.0	0.33%	24"	RCP	
P-10	S-10	S-11	849.50	849.55	15.5	11.5	0.43%	24"	RCP	
P-101	S-11	S-111	850.30	850.42	33.5	29.9	0.40%	15"	RCP	
P-102	S-111	S-112	850.67	850.78	29.0	27.0	0.41%	12"	RCP	
P-103	S-112	S-113	850.88	851.00	33.5	30.7	0.39%	12"	RCP	
P-104	S-113	S-114	851.00	851.03	8.0	6.5	0.46%	12"	RCP	
P-105	S-11	S-115	850.30	850.47	45.5	41.9	0.41%	12"	RCP	NCM
P-106	S-115	S-116	850.57	850.68	29.0	27.0	0.41%	12"	RCP	

**NOTE:** PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

## STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN

- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.

- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS'S.

- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.

- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

## SPECIFIC NOTES

# STORM SEWER SCHEDULE

\* REV 5/2/2018 DAO

EMERSON STREET AND LOWELL STREET 2018 - MUNIS NO 11183	SHEET NO. U-8
STORM SEWER SCHEDULE	
CITY OF MADISON	

## REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>LOWELL ST</b>					
RS-1	AS 4858-001	24+49.92	LT-19.79	5'x7' SAS	
RS-2	IN 4858-002	24+34.10	RT-17.36	TUB INLET	
RS-3	IN 4858-003	23+93.79	RT-19.65	TUB INLET	
RS-4	IN 4858-004	24+31.12	LT-20.98	TUB INLET	
RS-5	IN 4858-005	23+94.93	LT-22.87	TUB INLET	
* RS-5A	IN 4858-007	20+57.26	RT-21.49	H INLET	SEE ADJUSTMENTS (NAME CHANGED TO AS-5A)
<b>EMERSON ST</b>					
RS-6	IN 4958-004	10+40.17	RT-38.53	TUB INLET	
RS-7	IN 4958-005	10+41.67	RT-19.74	TUB INLET	
RS-8	IN 4958-003	9+97.38	LT-23.34	TUB INLET	
RS-9	IN 4958-006	9+96.21	RT-22.39	TUB INLET	

## STORM SEWER ULOS

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>LOWELL ST</b>				
* ULO 1	27+93.20	LT-5.00	6" WAT; TOP @ 845.06 & 12" STM (EI=847.54) - NO CONFLICT	
* ULO 2	27+63.40	LT-7.00	3" PVC ATT; TOP @ 846.21	ADJ ATT (BOT OF 29"x45" @ 846.04)
* ULO 3	27+52.00	LT-16.10	3" PVC GAS; TOP @ 848.66	ADJ GAS (TOP OF 29"x45" @ 849.75)
* ULO 4	26+09.40	LT-6.70	1" PVC GAS; TOP @ 848.61	ADJ GAS (TOP OF 29"x45" @ 849.72)
* ULO 5A	26+10.70	LT-17.00	3" PVC GAS; TOP @ 849.18	ADJ GAS (TOP OF 15" @ 850.66)
* ULO 5B	26+10.7	LT-16.80	2" PVC GAS; TOP @ 849.32	ADJ GAS (TOP OF 15" @ 850.66)
* ULO 6	25+72.40	LT-6.90	1" PVC GAS; TOP @ 848.01	ADJ GAS (TOP OF 29"x45" @ 849.72)
* ULO 7	24+36.70	LT-25.90	3" PVC GAS; TOP @ 850.27	TOP OF 12" @ 850.09 - NO CONFLICT
* ULO 8	24+36.50	LT-2.30	3" PVC GAS; TOP @ 849.44	ADJ GAS (TOP OF 29"x45" @ 850.40)
* ULO 9	22+59.20	RT-5.00	1" PVC GAS; TOP @ 850.80	ADJ GAS (TOP OF 27" @ 850.84)
* ULO 14	20+61.7	RT-7.80	6" STL GAS; TOP @ 852.92	TOP OF 27" @ 851.54 - NO CONFLICT
<b>EMERSON ST</b>				
* ULO 10	9+79.40	LT-16.30	3" PVC GAS; TOP @ 849.92	ADJ GAS TO PLACE INLET IF NEEDED
* ULO 11	9+95.80	LT-16.90	3" PVC GAS; TOP @ 850.02	BOT OF 12" @ 850.24 - NO CONFLICT
* ULO 12	9+79.80	RT-16.20	3" PVC GAS; TOP @ 849.52	ADJ GAS TO PLACE INLET IF NEEDED
* ULO 13	10+52.50	LT-16.50	3" PVC GAS; TOP @ 849.42	BOT OF 12" @ 850.20 - NO CONFLICT
* ULO 15	22+49.00	RT-20.40	EX 30" MMSD FORCE MAIN	TOP @ 850 - NO CONFLICT
* ULO 16	24+00.00	RT-20.30	EX 30" MMSD FORCE MAIN	TOP @ 848.27 - NO CONFLICT
* ULO 17	25+78.30	RT-20.20	EX 30" MMSD FORCE MAIN	TOP @ 847.34 (INTERSECTS W/ TOP OF LATERAL)
* ULO 18	26+35.80	RT-20.40	EX 30" MMSD FORCE MAIN	TOP @ 846.95 (INTERSECTS W/ TOP OF LATERAL)
* ULO 19	27+94.00	RT-19.60	EX 30" MMSD FORCE MAIN	TOP @ 846.73 - NO CONFLICT

## REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
<b>LOWELL ST</b>							
RP-1	AS 4858-001	IN 4858-002	38.5	12"	STM VP	Y	
RP-2	AS 4858-001	IN 4858-003	66	12"	STM VP	Y	
RP-3	AS 4858-001	IN 4858-004	19	12"	STM VP	Y	
RP-4	AS 4858-001	IN 4858-005	56	18"	RCP	Y	
RP-5	AS 4858-008	AS 4858-006	40	15"	RCP	N	
<b>EMERSON ST</b>							
RP-6	AS 4958-002	IN 4958-004	12	12"	STM VP	Y	
RP-7	AS 4958-002	IN 4958-005	54.5	12"	STM VP	Y	
RP-8	AS 4958-002	IN 4958-003	73.5	12"	STM VP	Y	
RP-9	AS 4958-002	IN 4958-006	45	12"	STM VP	Y	

## STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES	NOTES
<b>LOWELL ST</b>							
AS-1	27+53.22	LT-21.75	851.49	851.49	0.00	(1)	AS 4857-026
AS-2	22+22.85	LT-21.36	853.77	853.77	0.00	(1)	AS 4858-035
AS-3	20+53.32	RT-19.16	855.00	855.00	0.00	(1)	AS 4858-006
AS-4	20+52.59	LT-21.18	855.14	855.08	-0.06	(1)	IN 4858-008
* AS-5A	20+57.26	RT-21.49	855.18	855.05	-0.13		IN 4858-007 - ADJUST FOR NEW C&G
<b>EMERSON ST</b>							
AS-5	10+42.59	LT-38.53	852.90	852.90	0.00	(1)	AS 4958-002

## ABANDON STORM PIPES

PIPE NO.	FROM	TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
<b>LOWELL ST</b>							
AP-1	AS 4857-026	AS 4858-001	300	24"	RCP	Y	ABANDON WITH PIPE PLUGS
AP-2	AS 4858-001	AS 4858-035	223	18"	RCP	Y	ABANDON WITH PIPE PLUGS
AP-3	AS 4858-035	AS 4858-008	167	18"	RCP	Y	ABANDON WITH PIPE PLUGS

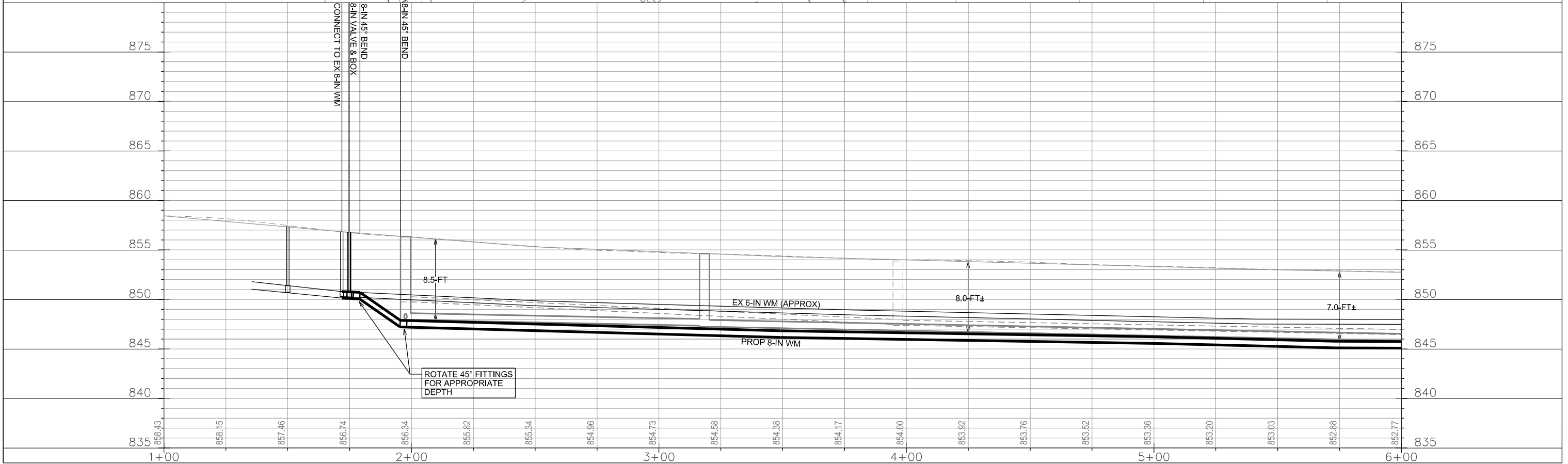
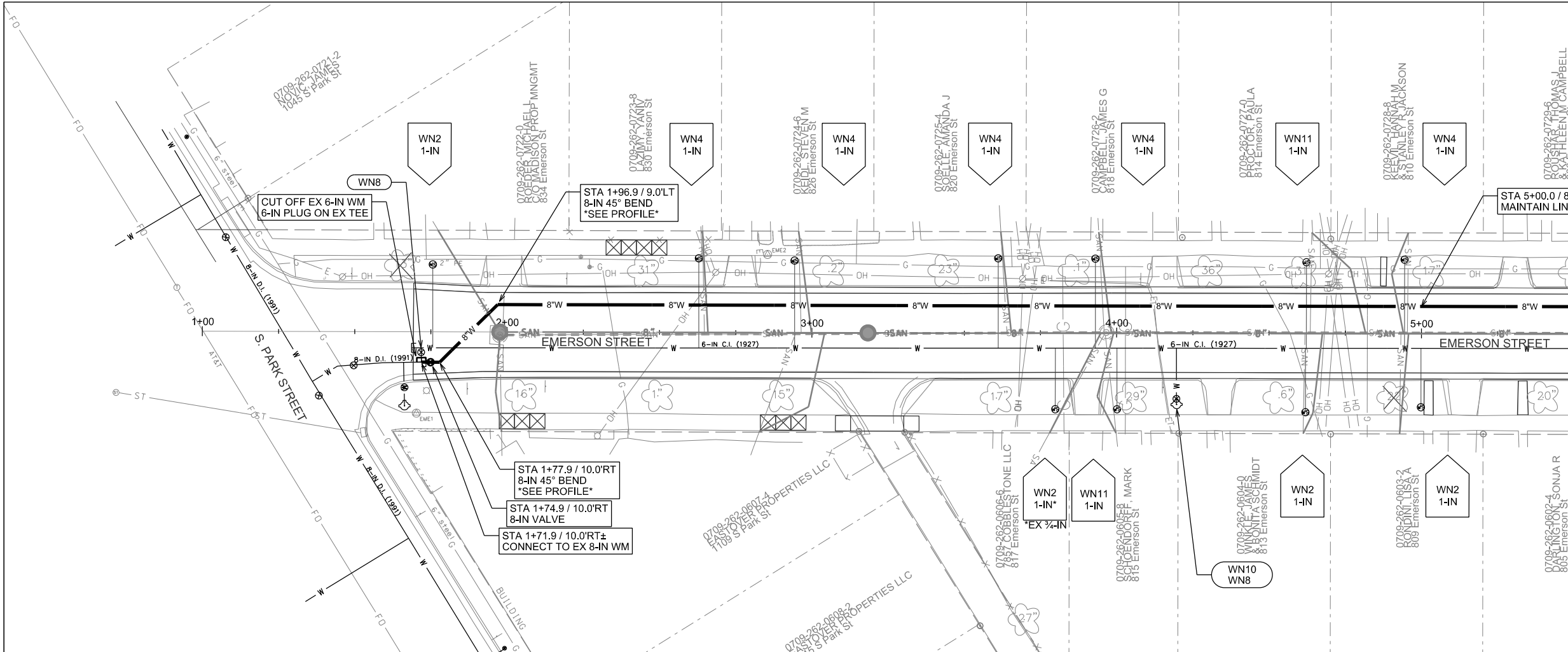
## STANDARD NOTES:

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## SPECIFIC NOTES

- (1) MODIFY EXISTING ROOF; INSTALL R-1550-0054 CASTING





PLOT SCALE:

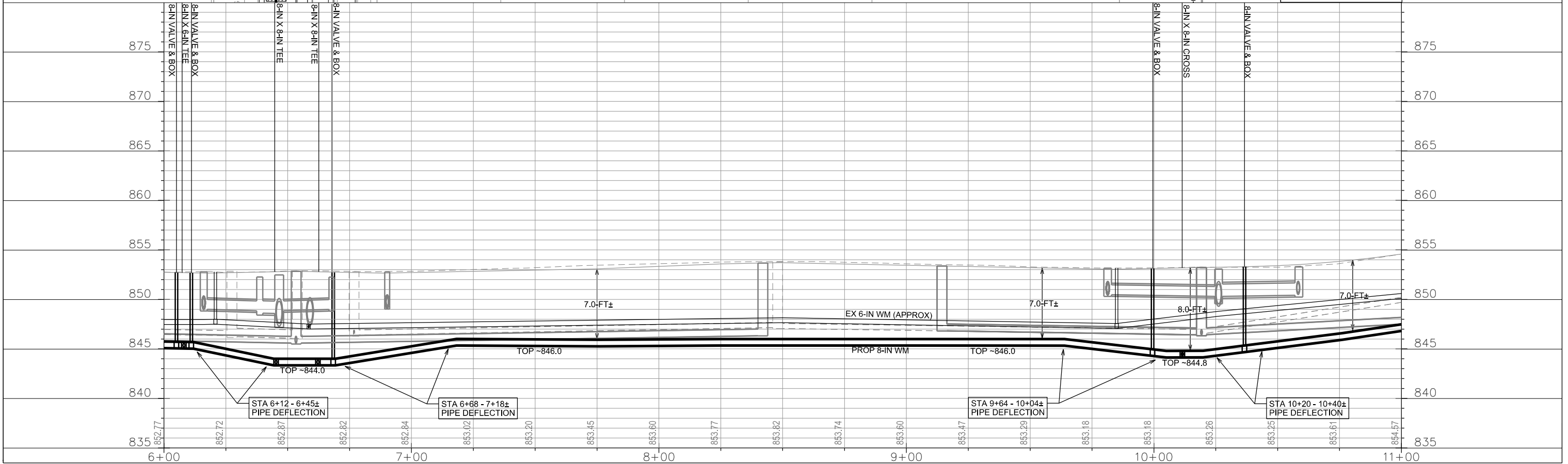
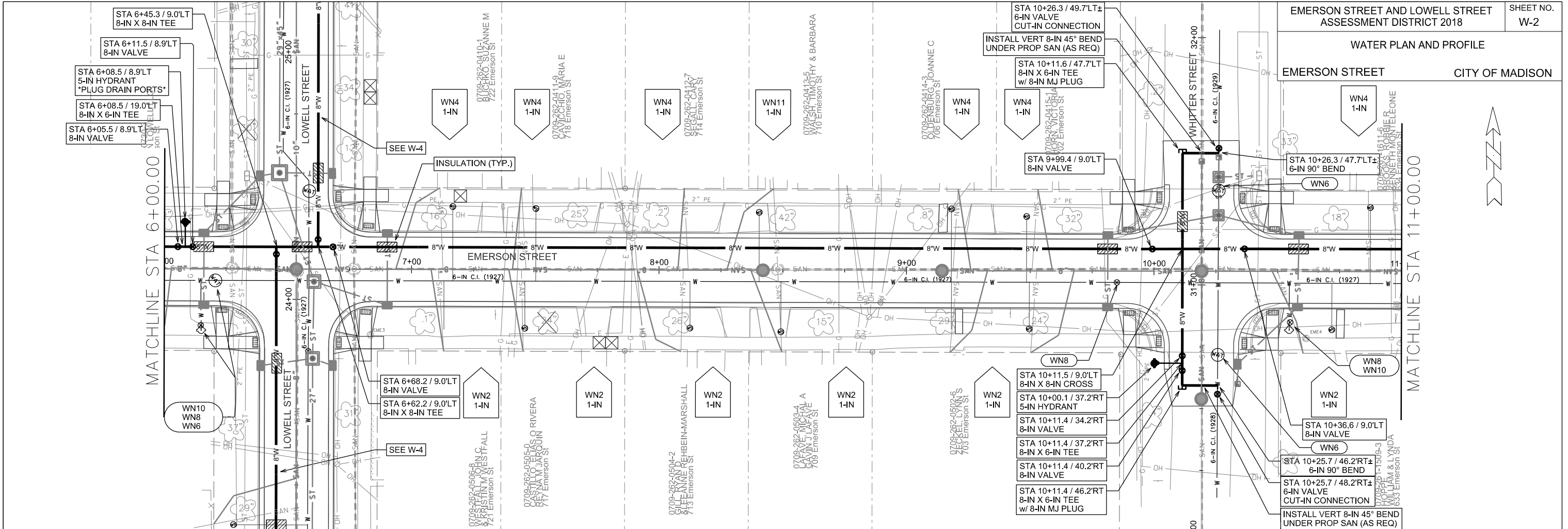
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

MATCHLINE STA 6+00.00

WATER PLAN AND PROFILE  
EMERSON STREET CITY OF MADISON

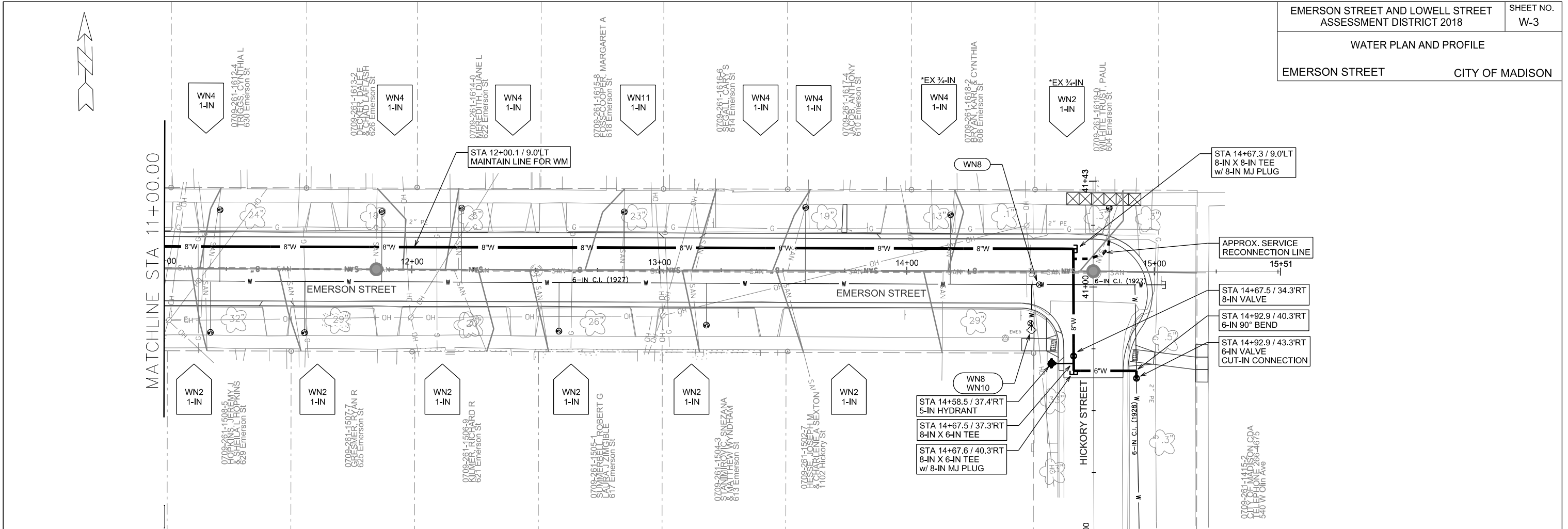


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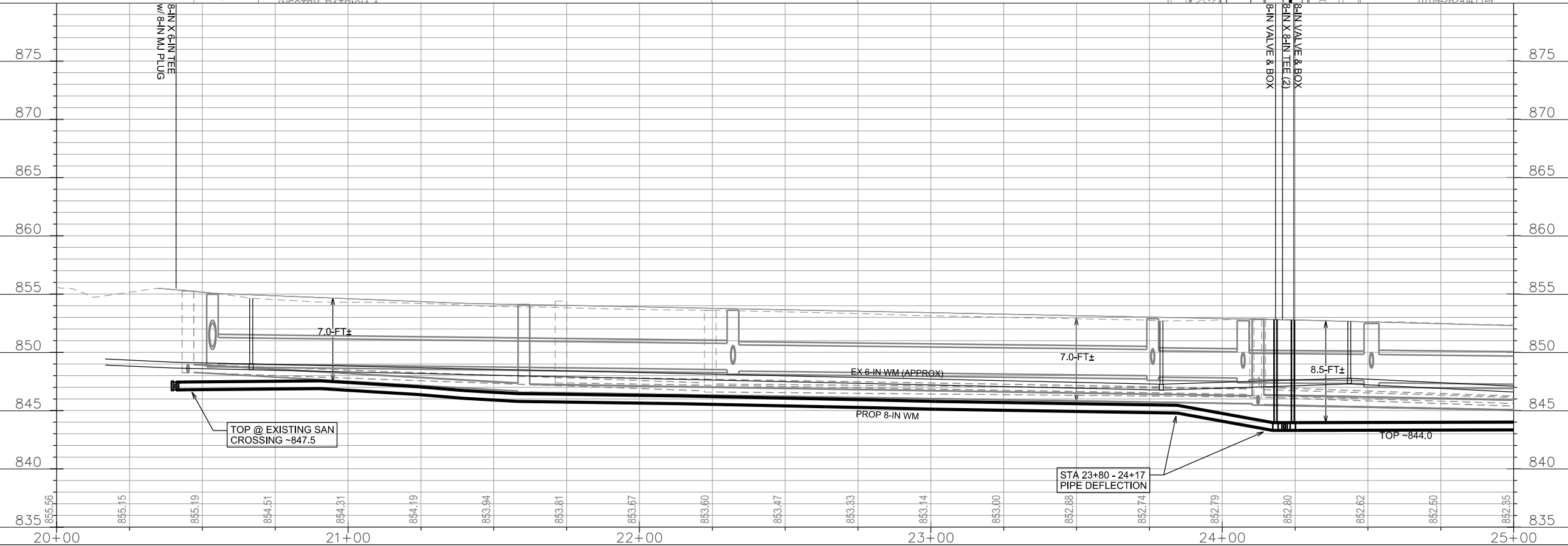
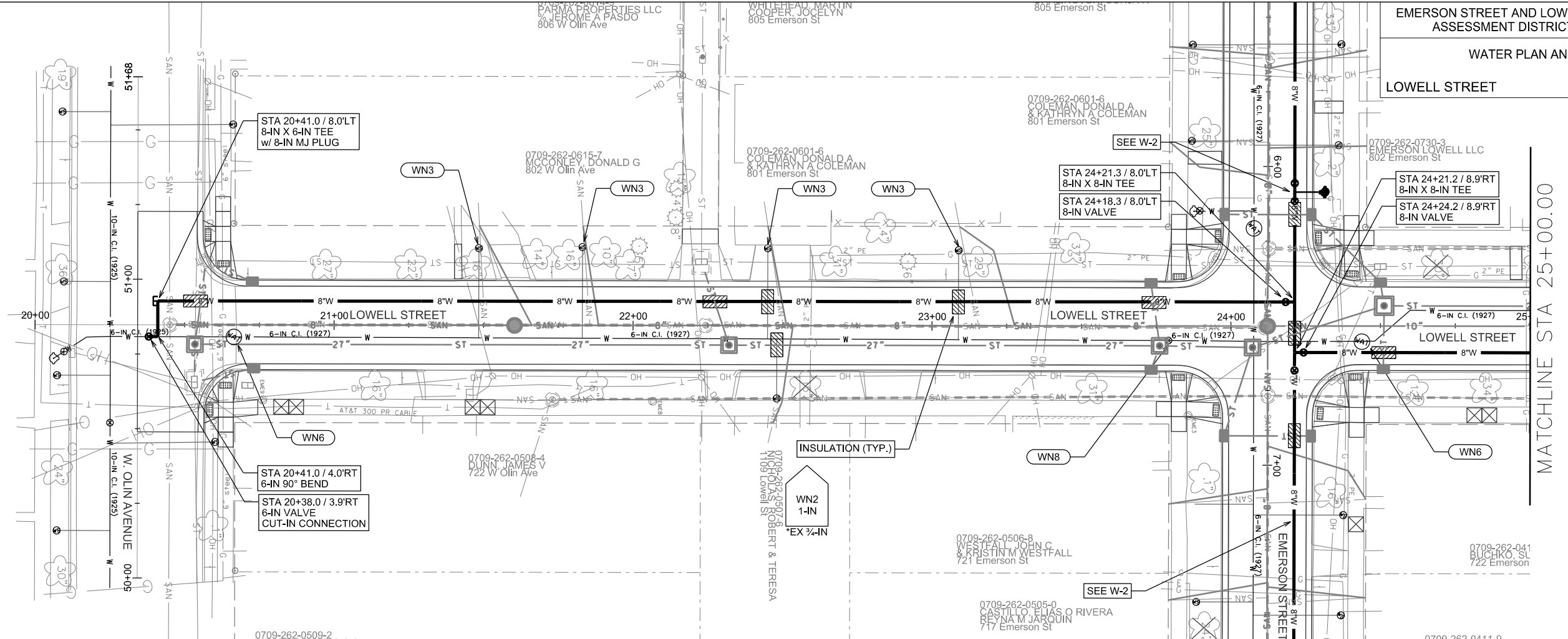
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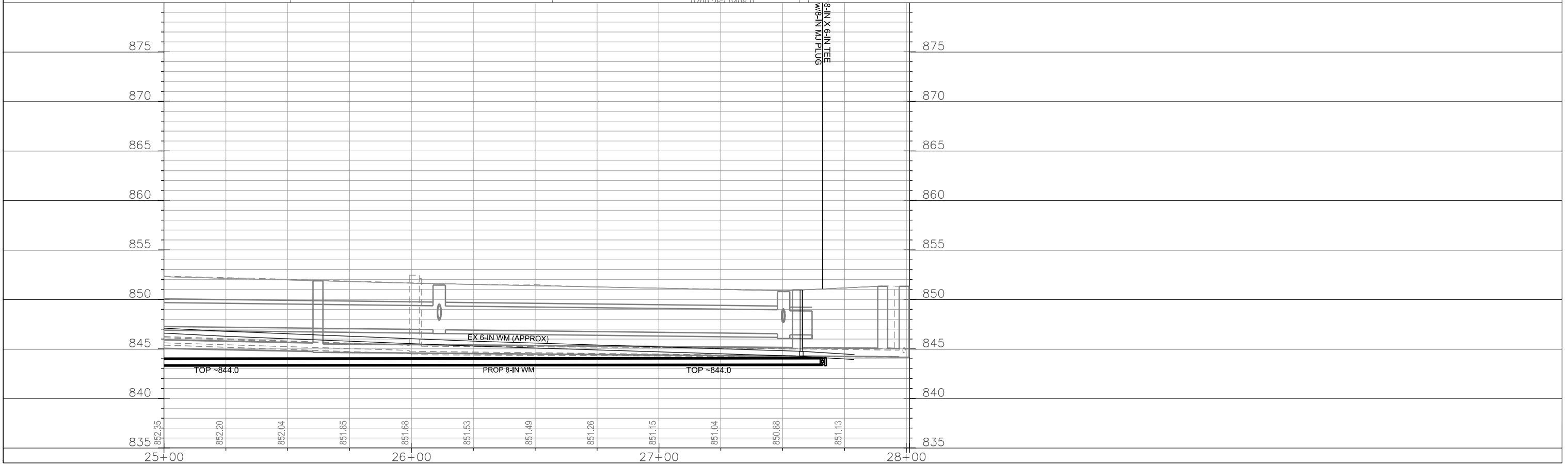
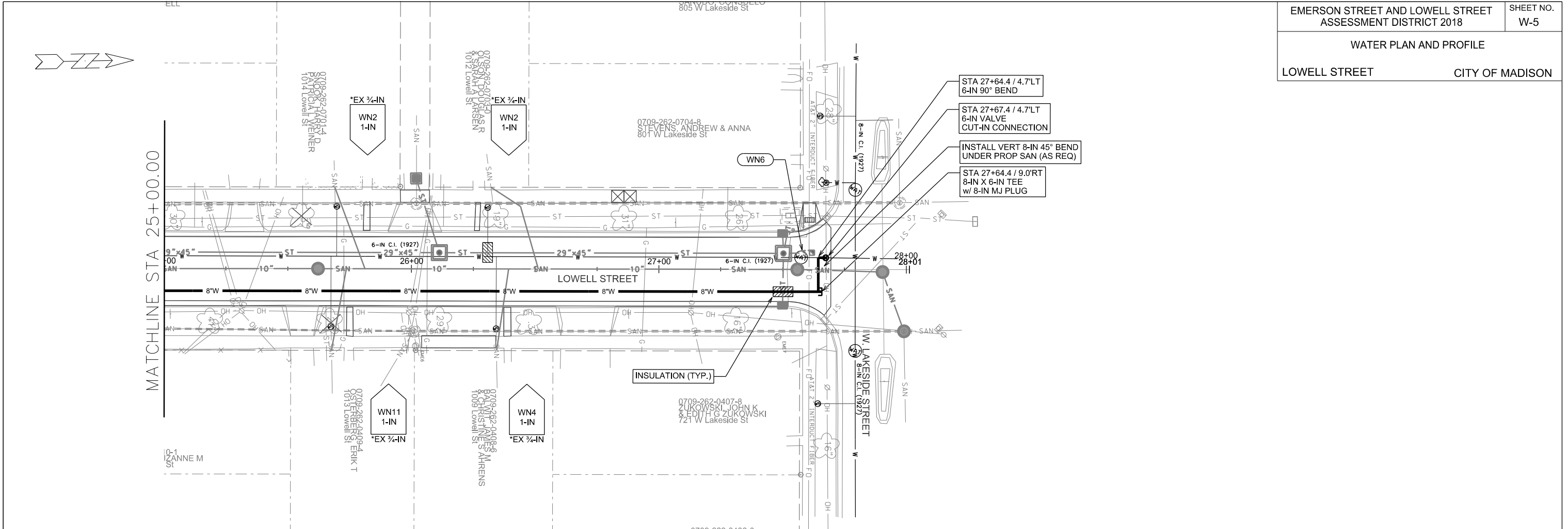
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION







EMERSON STREET AND LOWELL STREET RECONSTRUCTION - 2018 W-6

PROJECT NO. 11183 WATER IMPACT PLAN

CITY OF MADISON

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

CUT-IN CONNECTION (W-5)  
 -ISOLATION VALVES:  
 -V-25, V-26 A, V-27 A, V-36  
 -NOTIFY:  
 -908, 909 LOWELL  
 -722 LAKESIDE

CUT-IN CONNECTION (W-3)  
 -ISOLATION VALVES:  
 -V-26, V-12  
 -NOTIFY:  
 -604 EMERSON  
 -1102, 1114 HICKORY  
 -540 W OLIN (APT)

CUT-IN CONNECTION (W-2)  
 -ISOLATION VALVES:  
 -V-10, V-2  
 -NOTIFY:  
 -1009, 1010 WHITTER

CONNECT TO EX WM (W-1)  
 -ISOLATION VALVES:  
 -V-4, V-6  
 -NOTIFY:  
 -NONE

CUT-IN CONNECTION (W-4)  
 -ISOLATION VALVES:  
 -V-26 B, V-27 B, V-24  
 -NOTIFY:  
 -800 BLOCK, 725 W OLIN  
 -1201 S PARK

CUT-IN CONNECTION (W-2)  
 -ISOLATION VALVES:  
 -V-3, V-8  
 -NOTIFY:  
 -1110, 1109 WHITTER  
 -630 W OLIN

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

**CONSTRUCTION NOTES:**

1. CONSTRUCT NEW WATER MAIN BELOW FINISHED GRADE AS NOTED ON THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
  2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
  3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
  4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.
- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
  - WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE FROM THE OLDER WATER MAIN TO THE NEWER WATER MAIN.
  - WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF; ABANDON CURB BOX AS REQUIRED.
  - WN4 DISCONNECT FROM THE OLDER WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEWER WATER MAIN.
  - WN5 RELOCATE THE EXISTING FIRE HYDRANT.
  - WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
  - WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
  - WN8 ABANDON THE VALVE BOX.
  - WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
  - WN10 REMOVE AND SALVAGE EXISTING HYDRANT
  - WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

**ESTIMATE OF PROJECT WATER MATERIALS:**

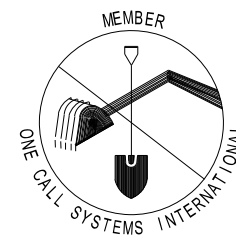
*\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.*

WATER MAINS	TOTAL
6-IN PIPE (LF)	120
8-IN PIPE (LF)	2180
POLY WRAP	2600
6-IN VALVE & BOX	5
8-IN VALVE & BOX	11
8-IN - 45° BEND	5
6-IN - 90° BEND	5
8-IN X 6-IN TEE	8
8-IN X 8-IN TEE	3
8-IN X 8-IN CROSS	1
5-IN HYDRANT	3
8-IN MJ PLUG	7
6-IN MJ CAP	6
2-IN STYROFOAM (LF)	112
1-IN COPPER PIPING	AS REQ.

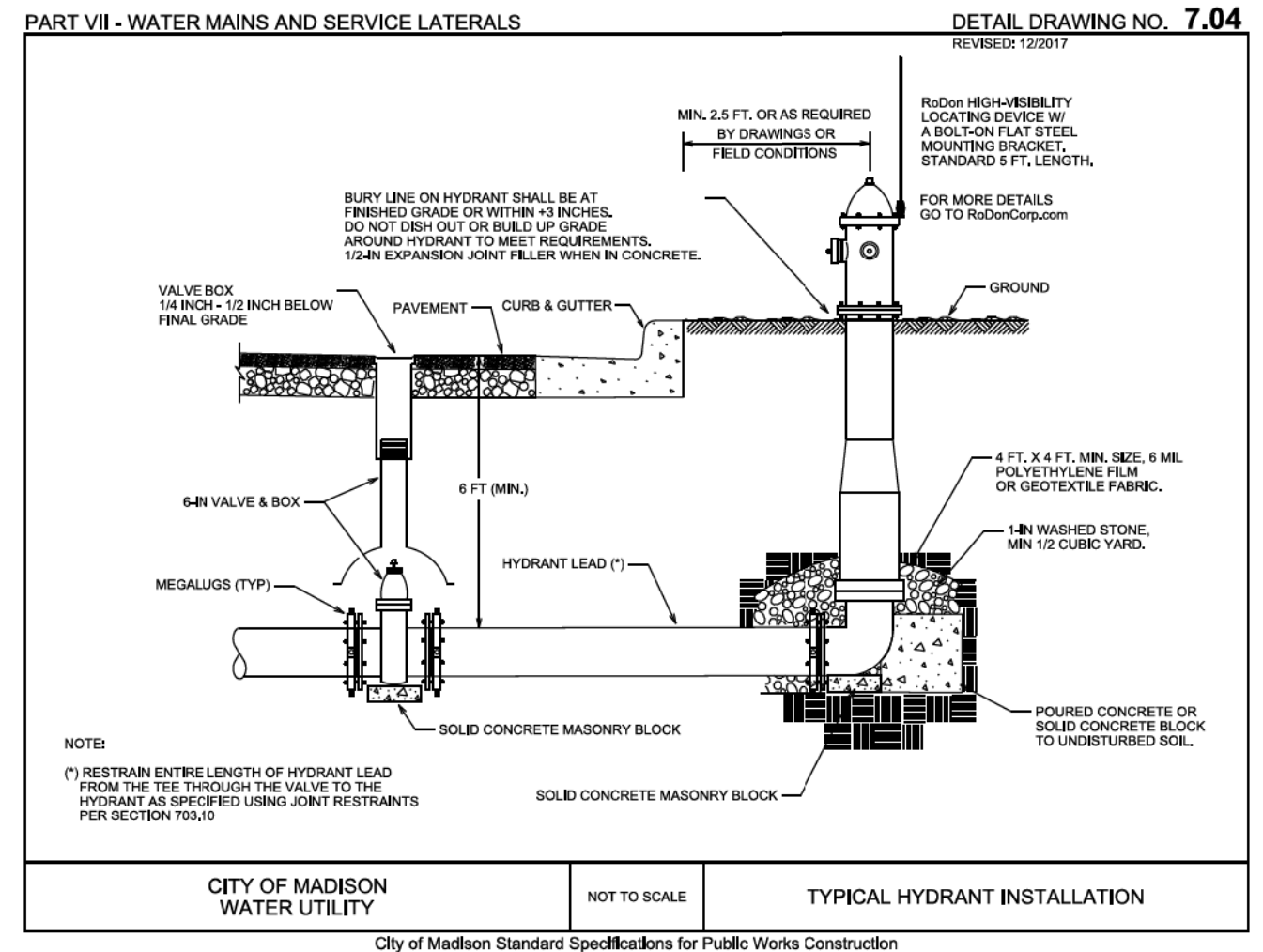
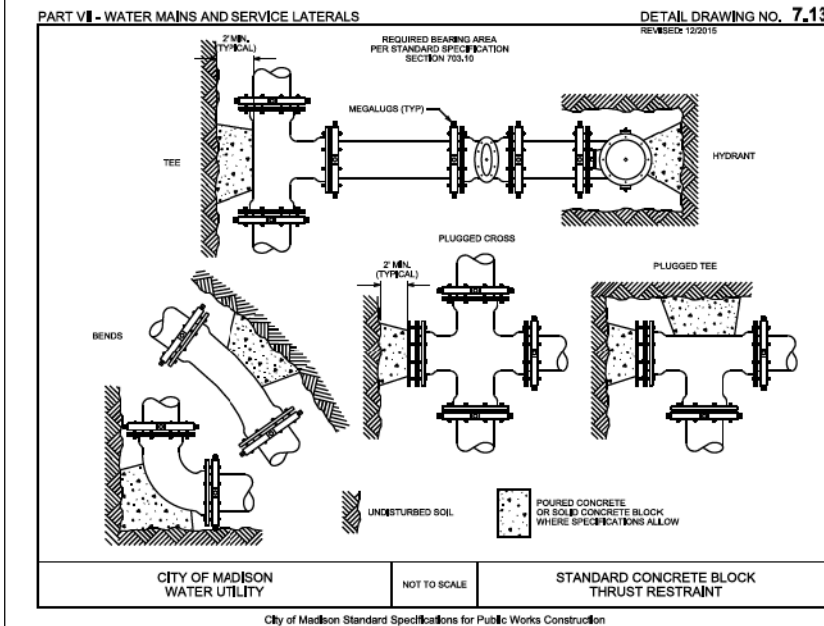
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.



**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.

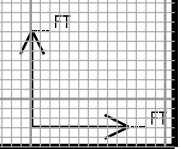
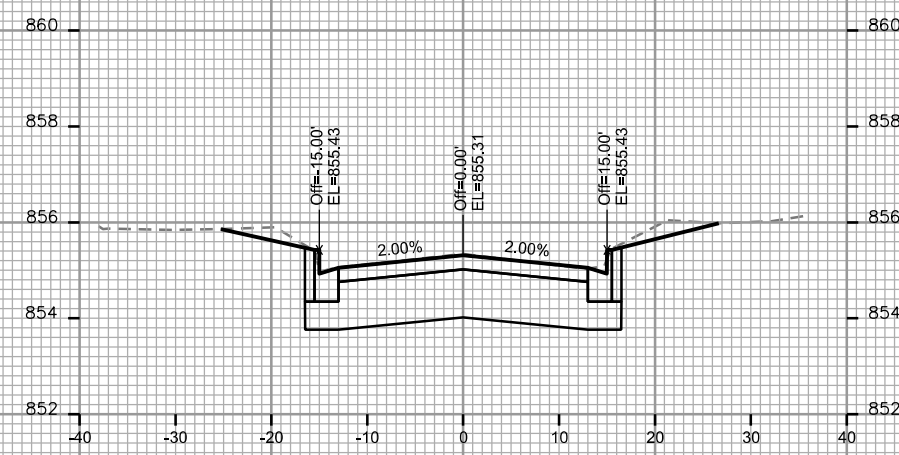
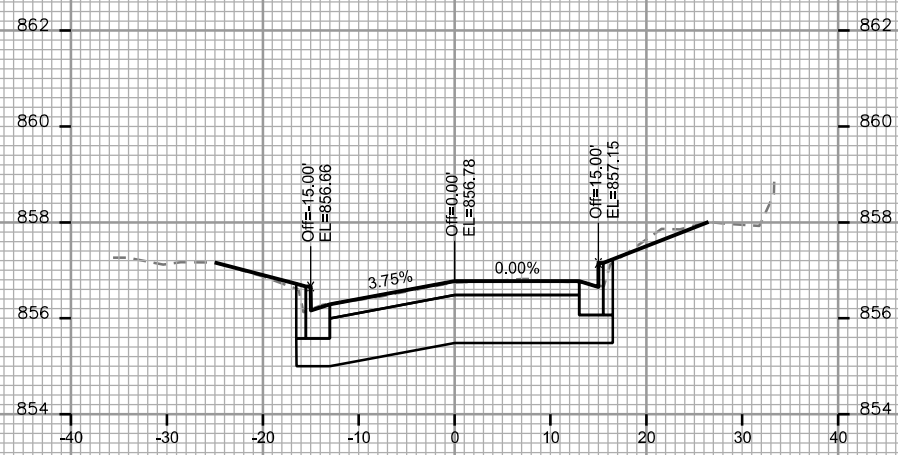
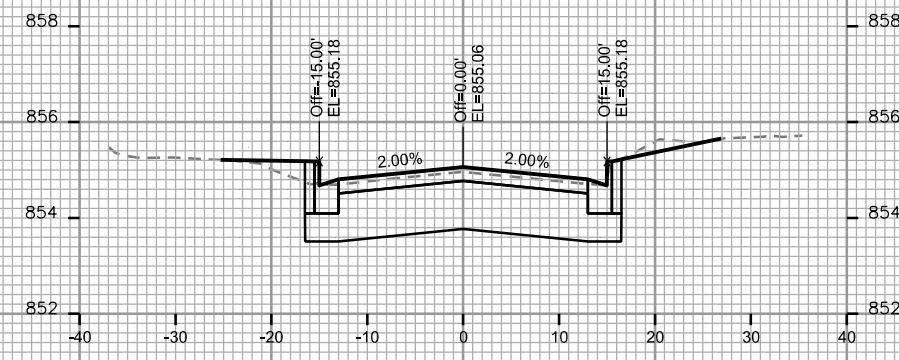
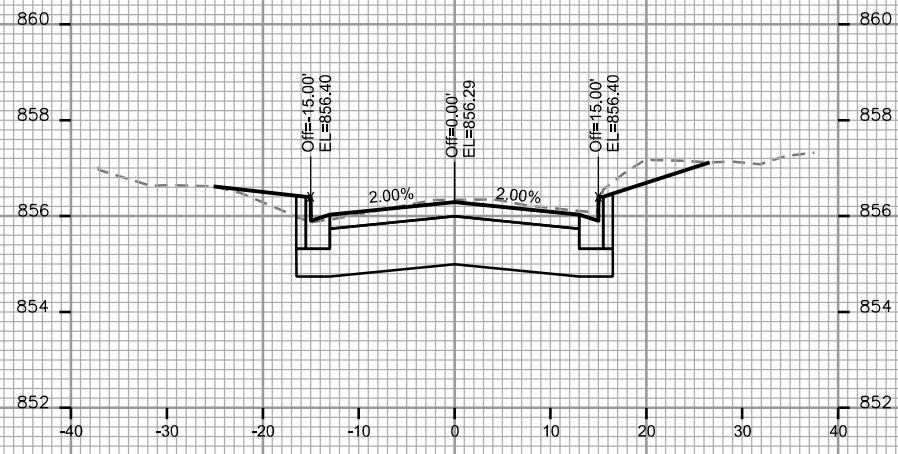
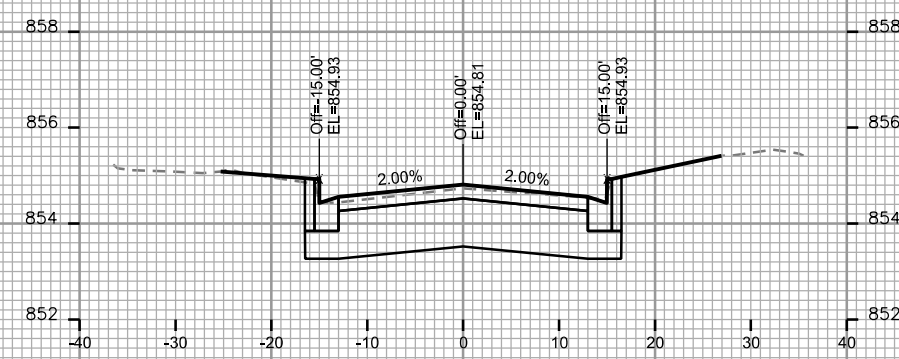
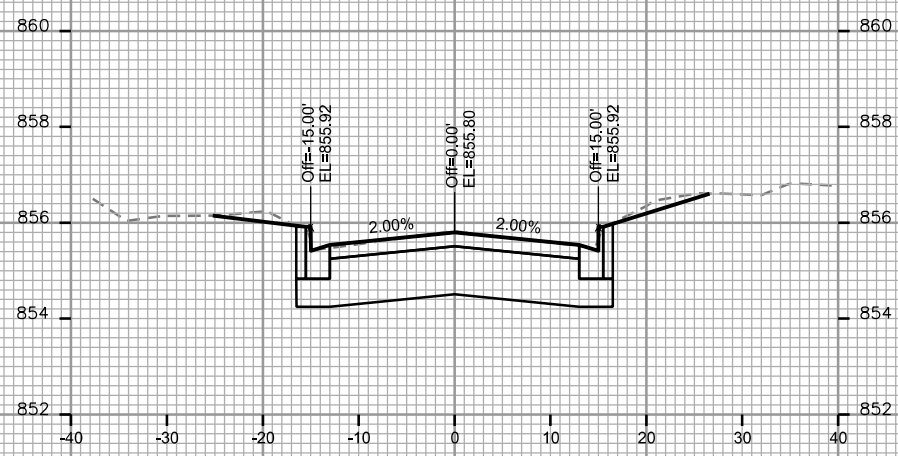


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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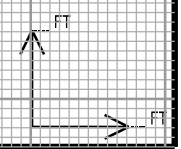
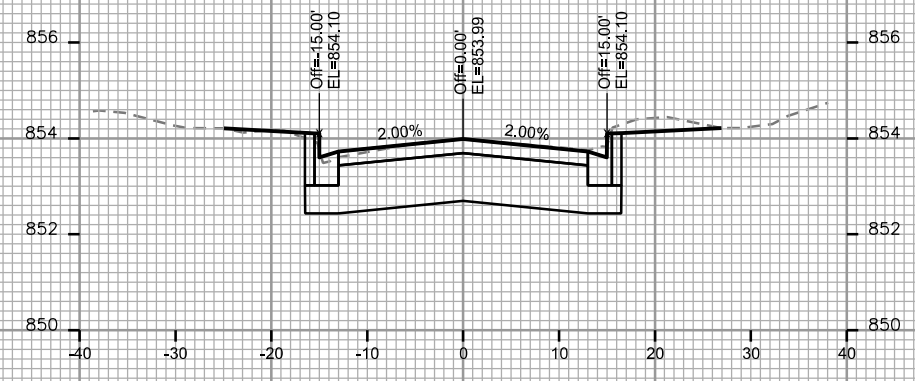
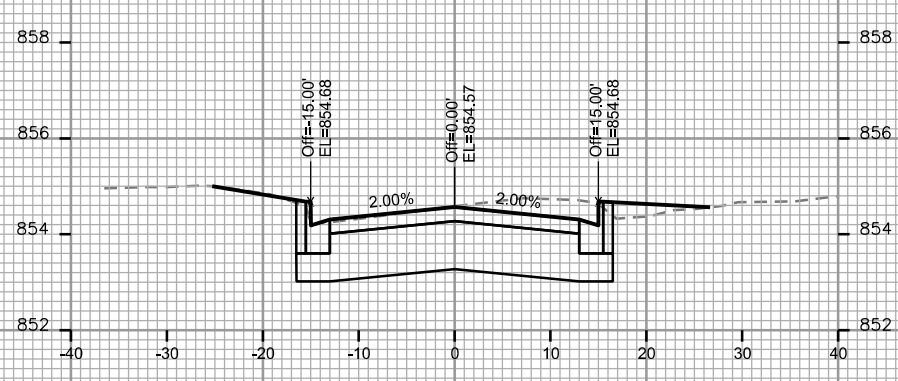
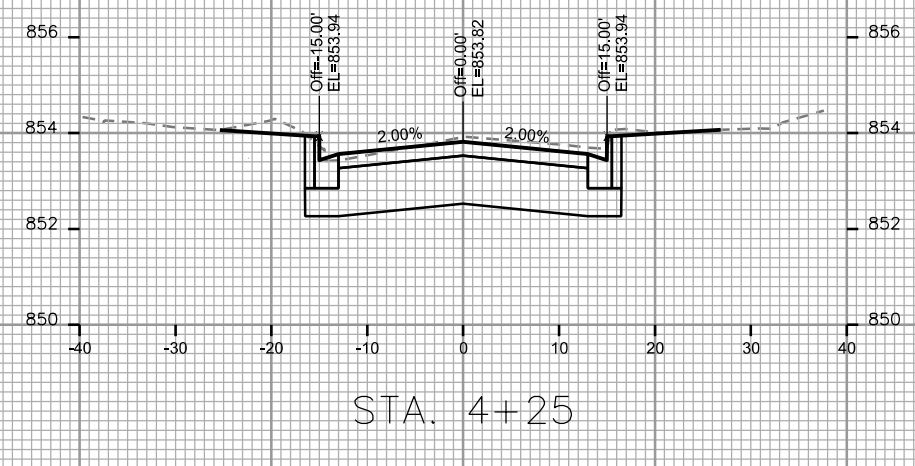
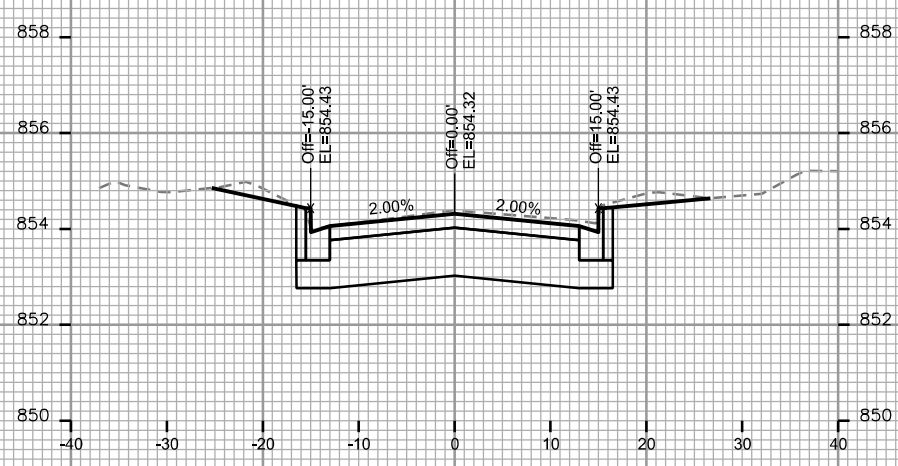
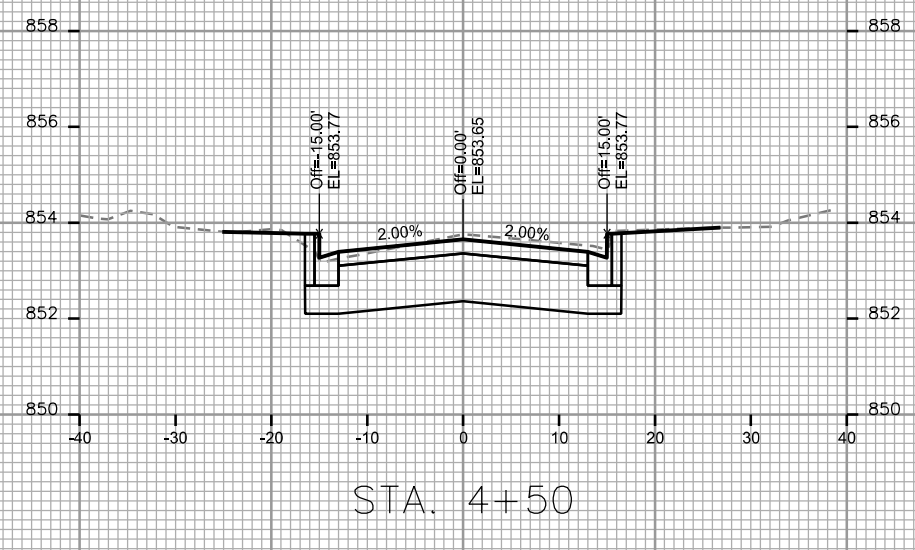
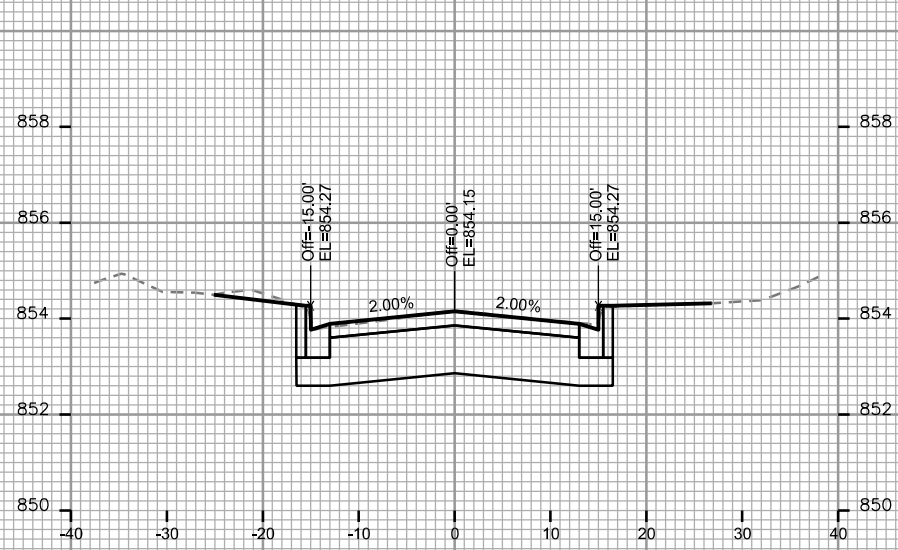
CROSS SECTIONS  
EMERSON STREET CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

EMERSON STREET

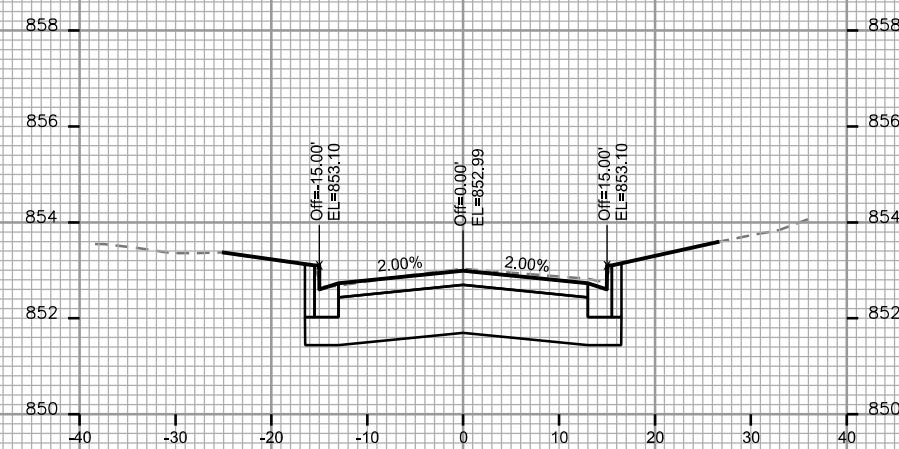
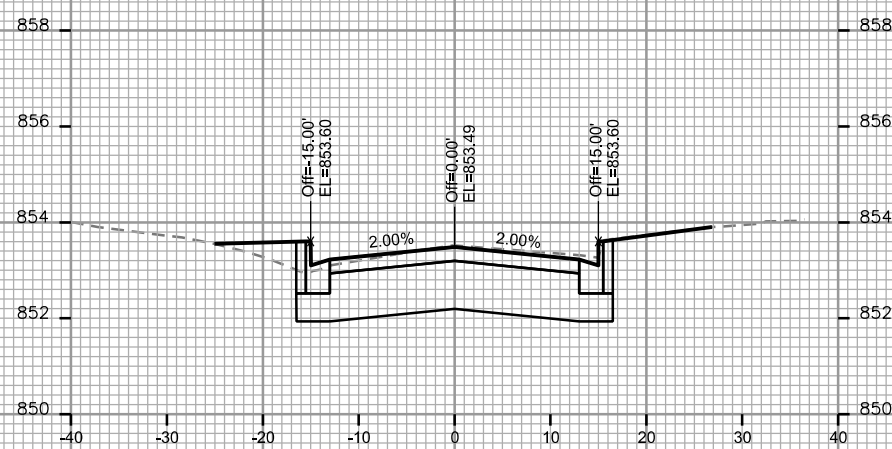
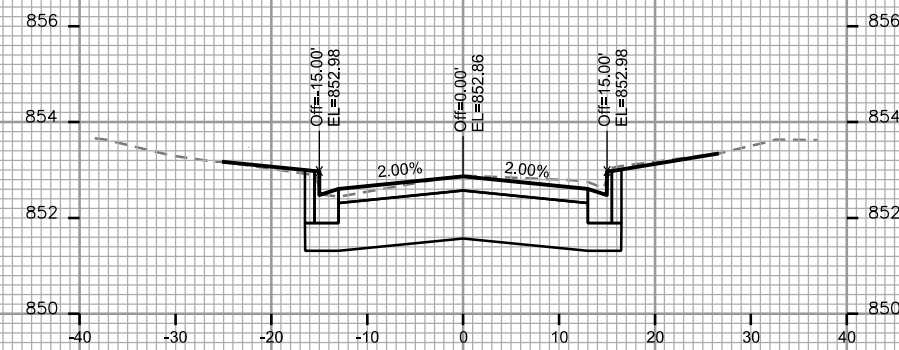
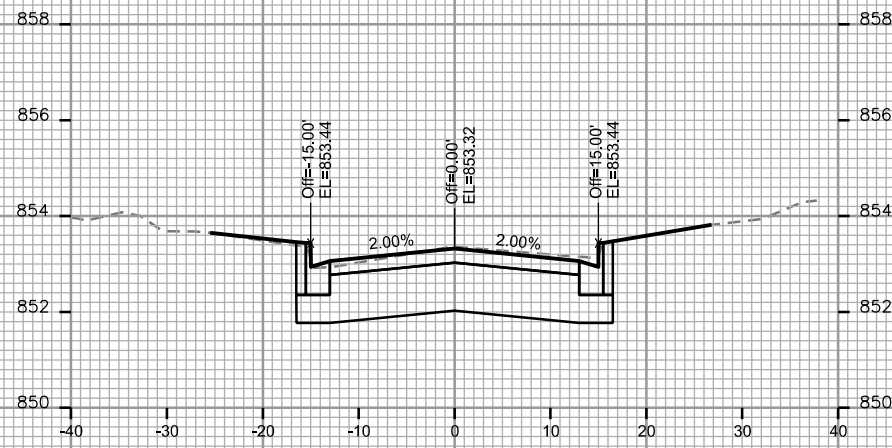
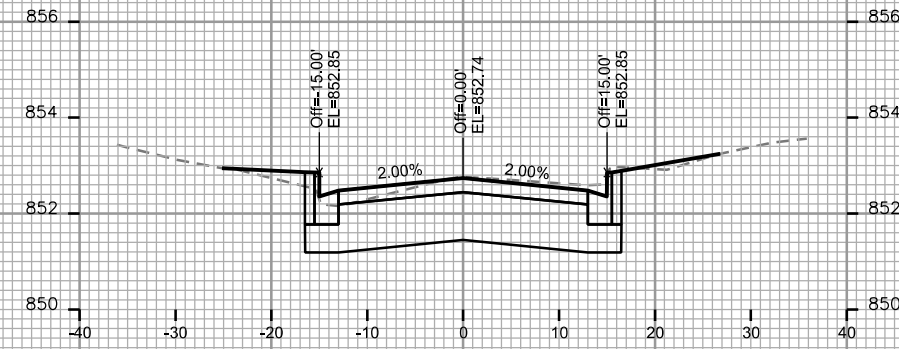
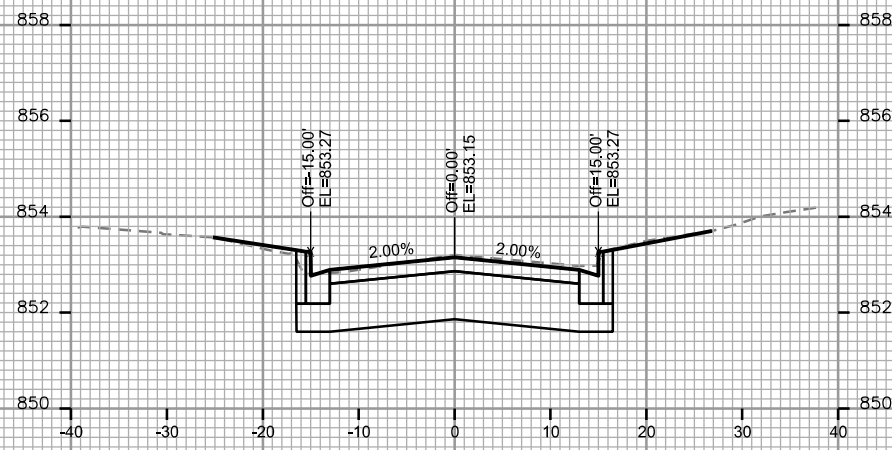
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

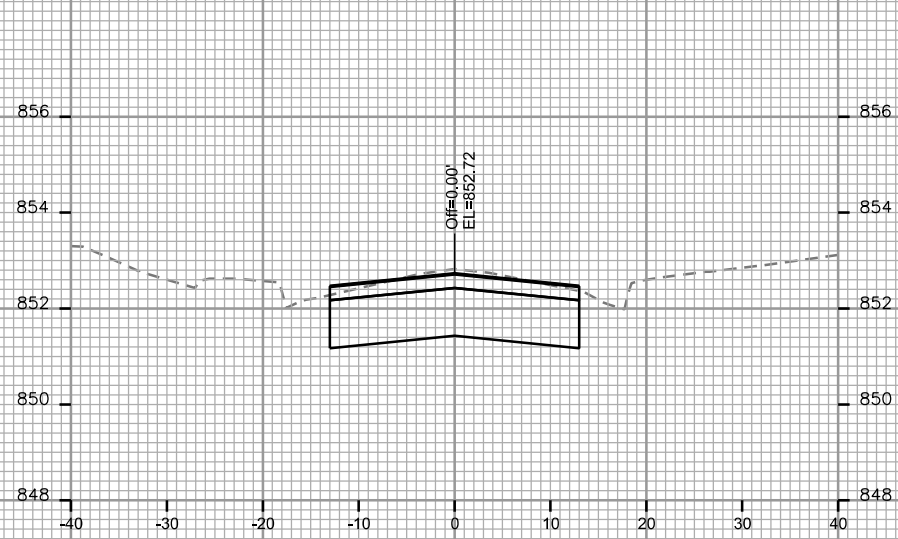


PLOT SCALE: \_\_\_\_\_

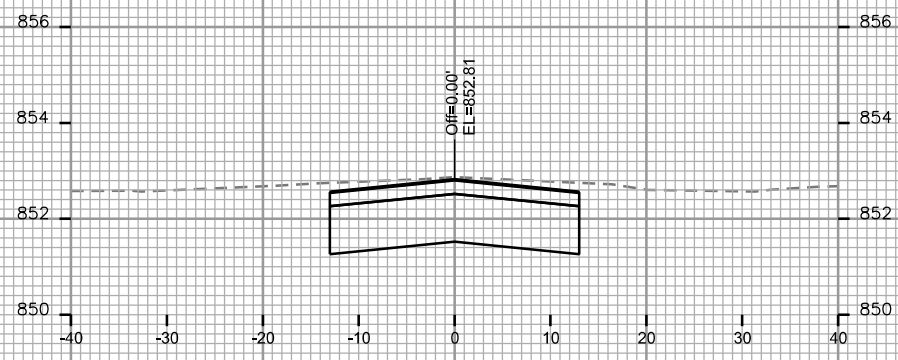
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

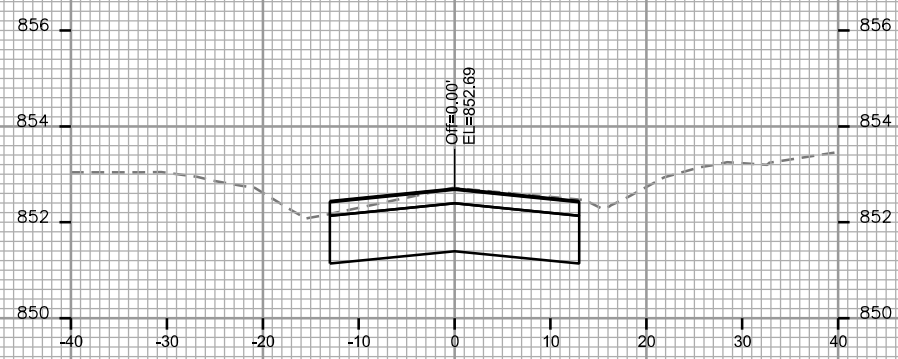
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



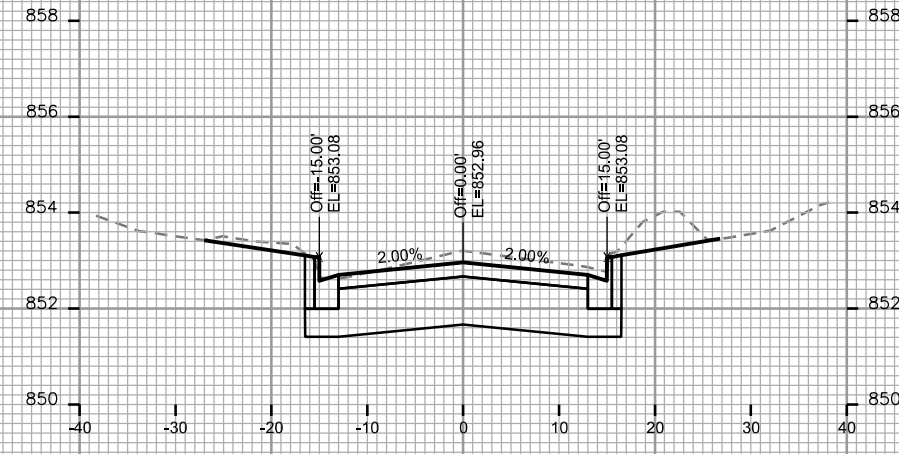
STA. 6+75



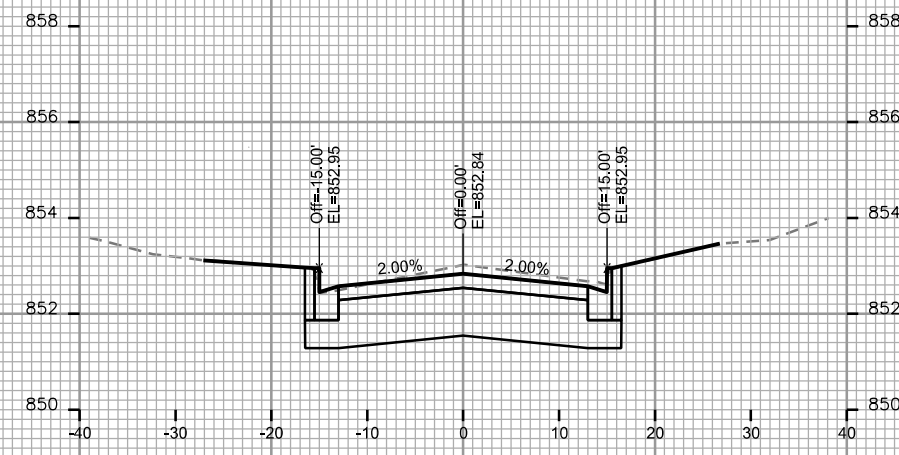
STA. 6+50



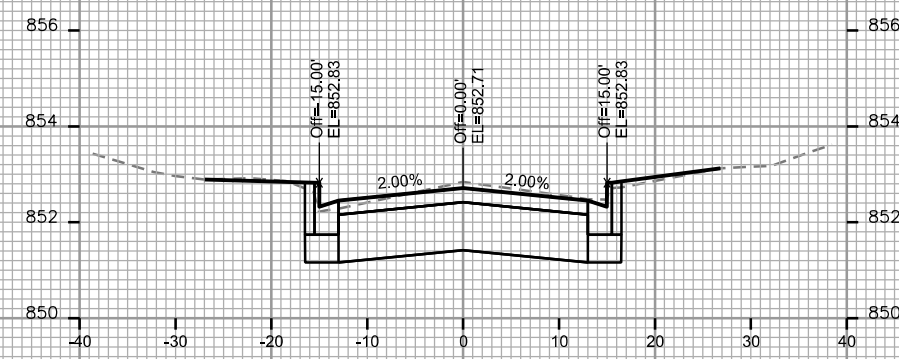
STA. 6+25



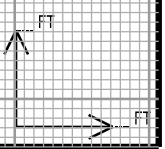
STA. 7+50



STA. 7+25



STA. 7+00

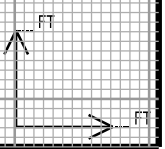
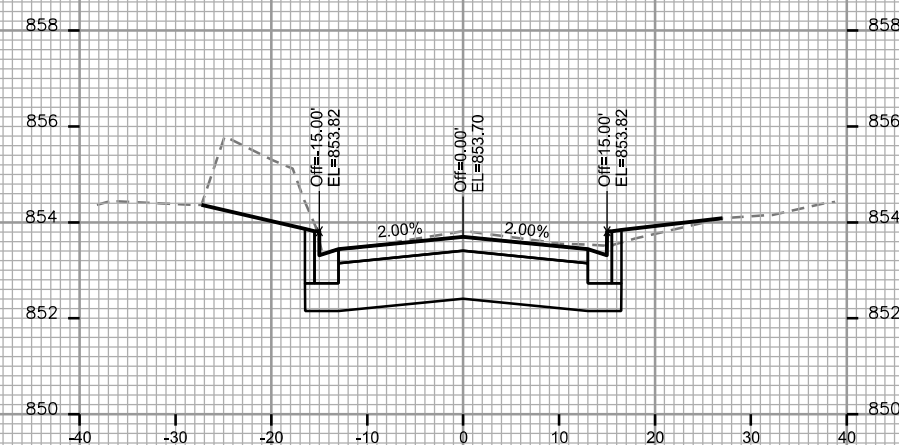
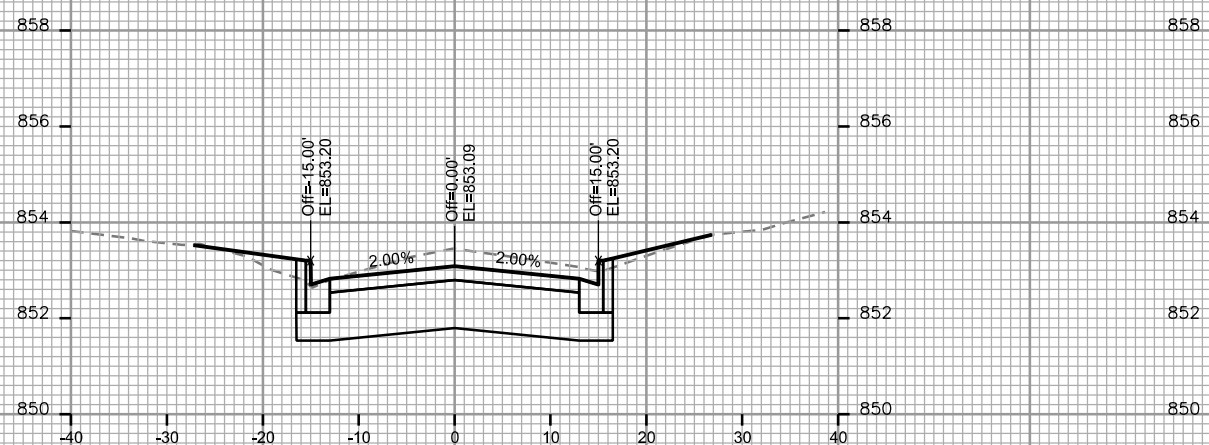
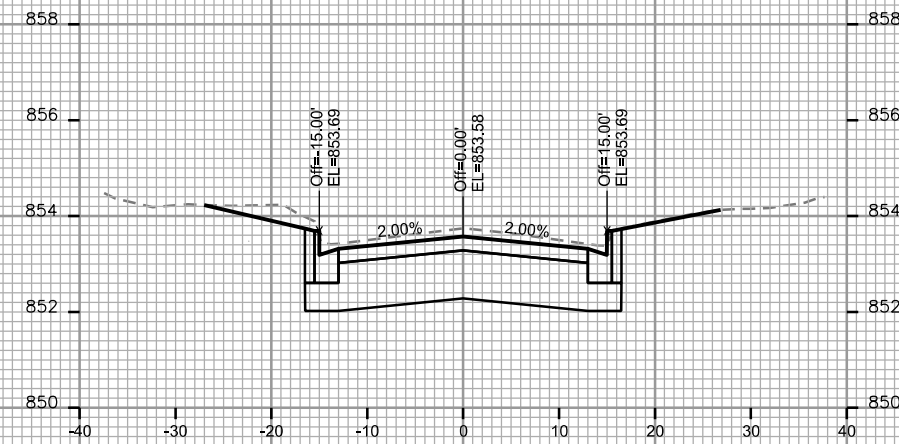
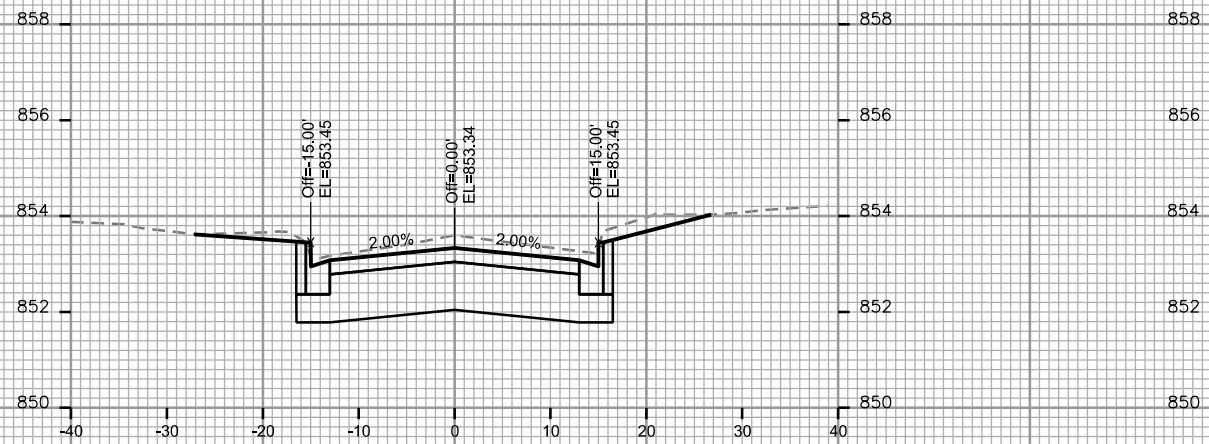
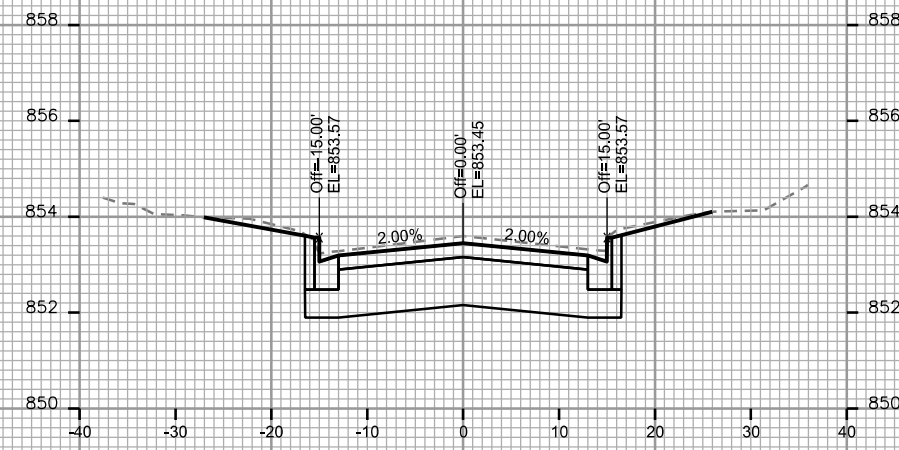
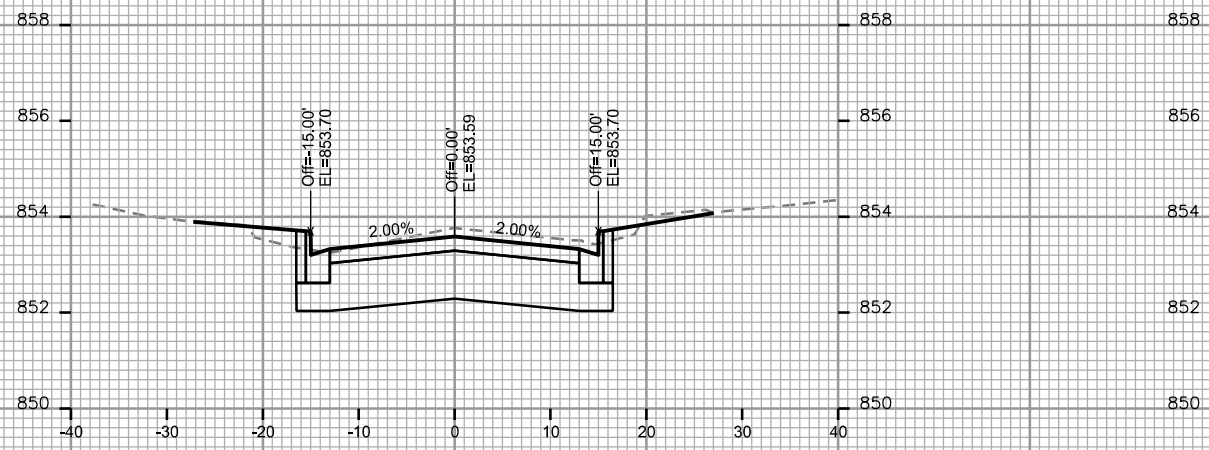




CROSS SECTIONS

EMERSON STREET

CITY OF MADISON



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

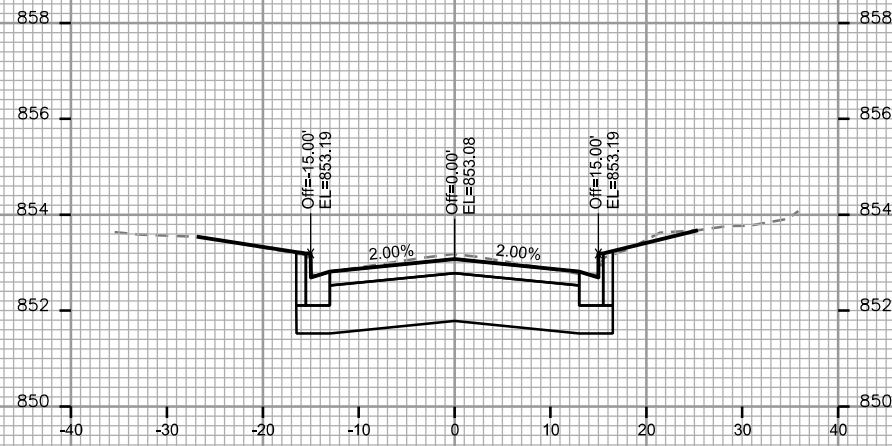
CROSS SECTIONS  
EMERSON STREET CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

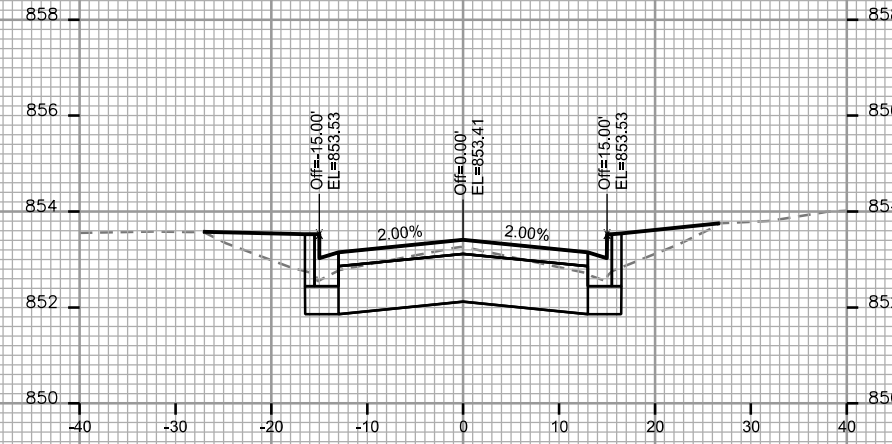
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

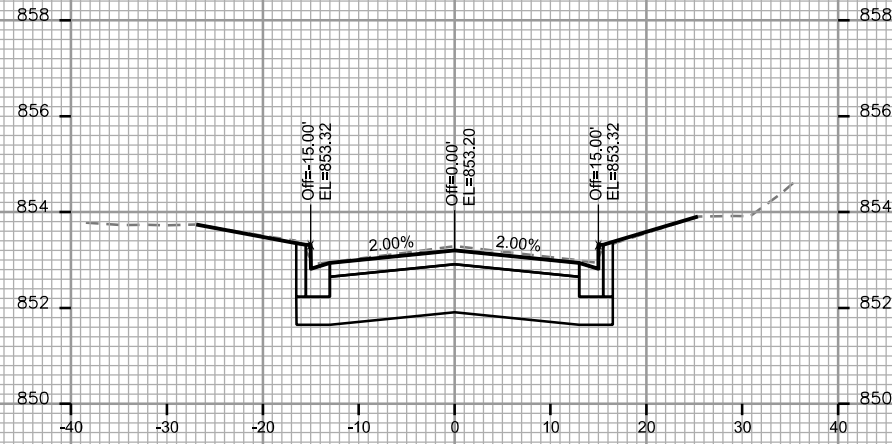
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



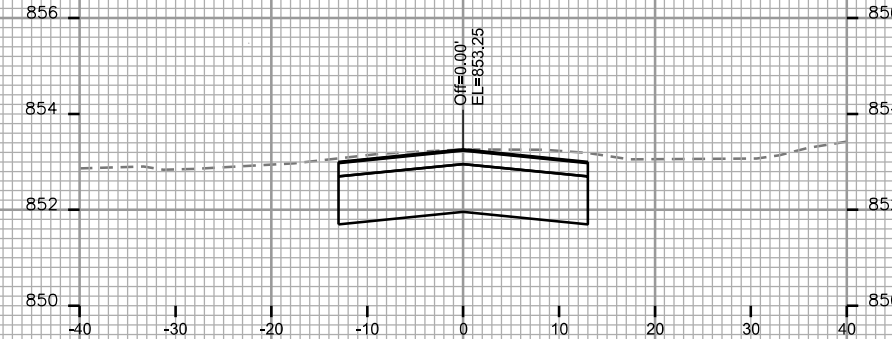
STA. 9+75



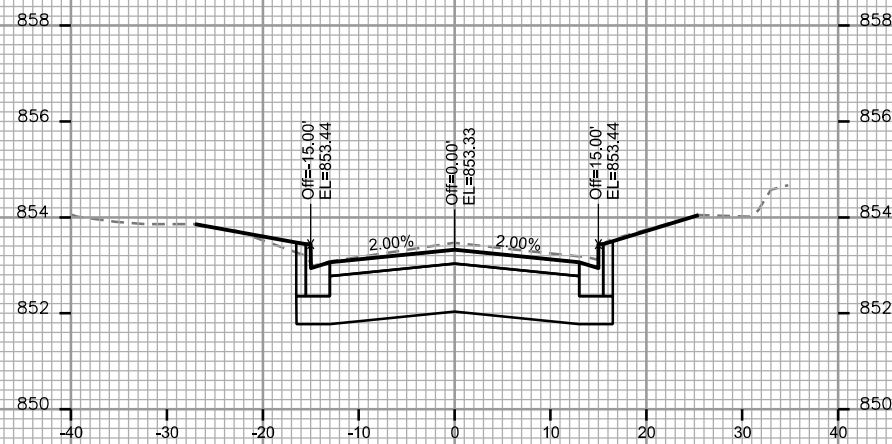
STA. 10+50



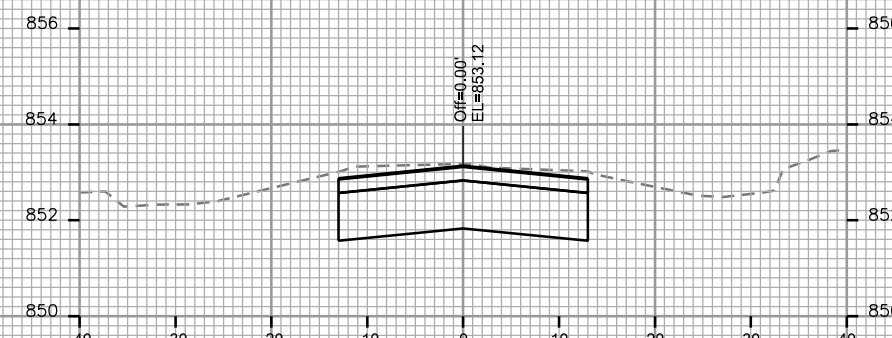
STA. 9+50



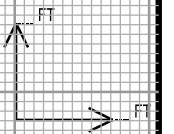
STA. 10+25

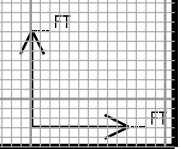
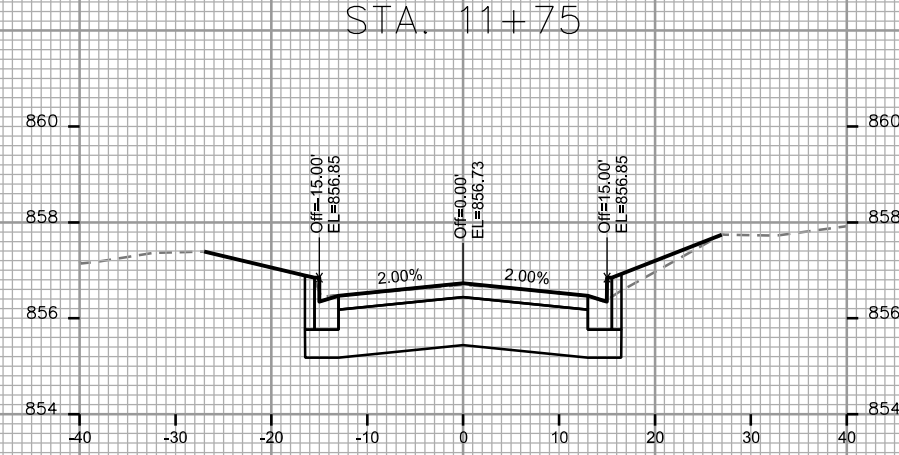
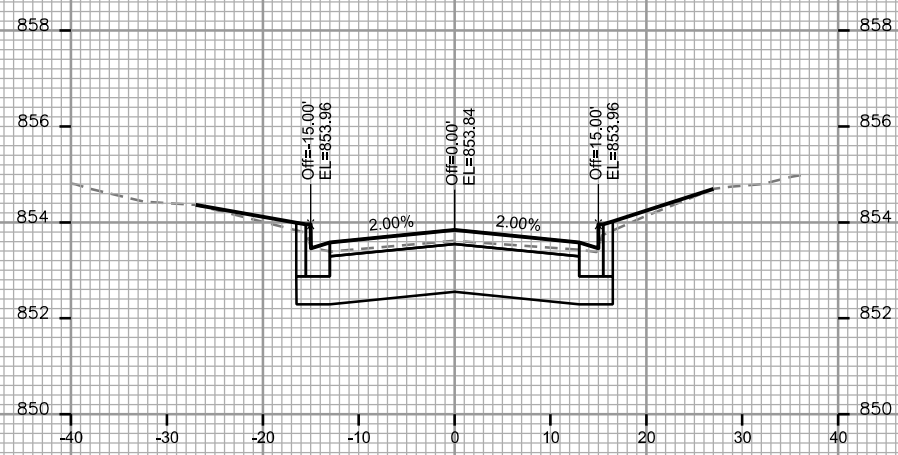
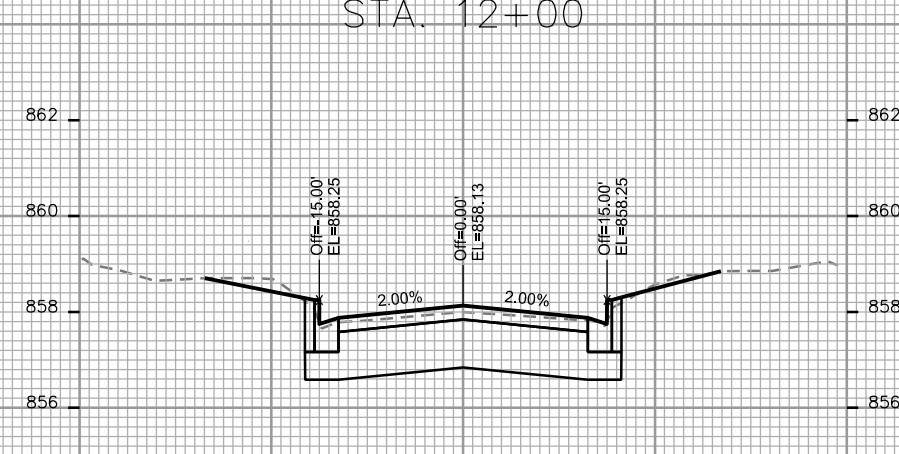
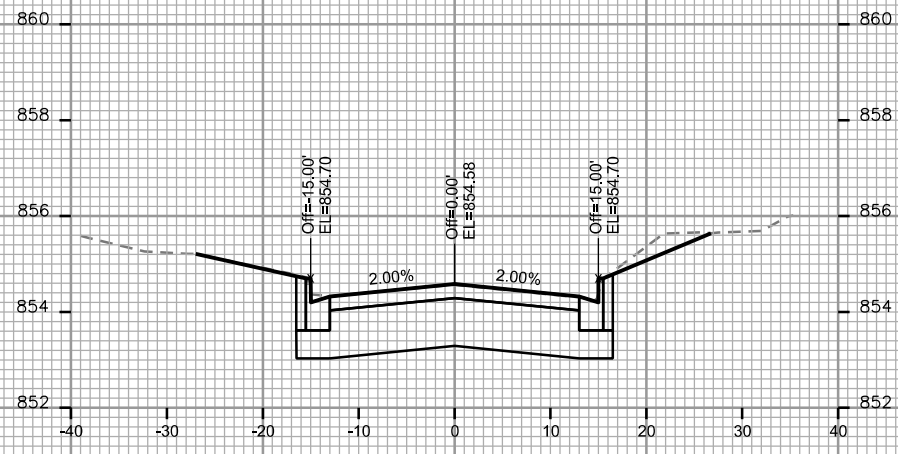
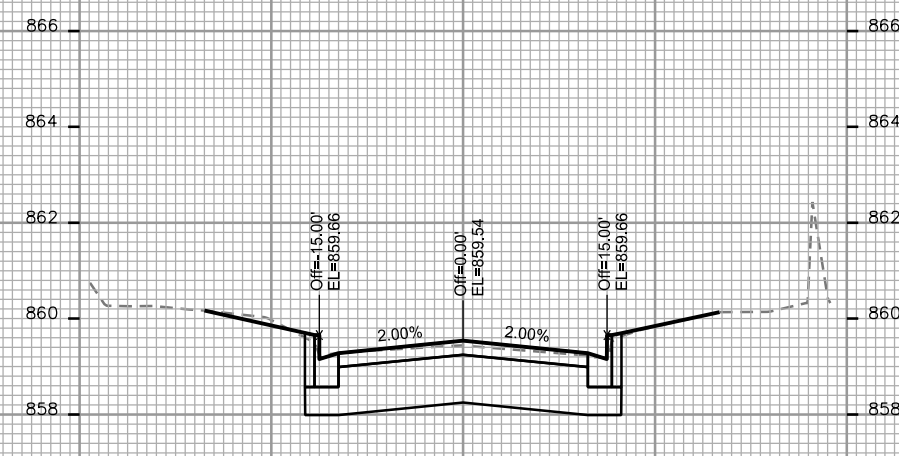
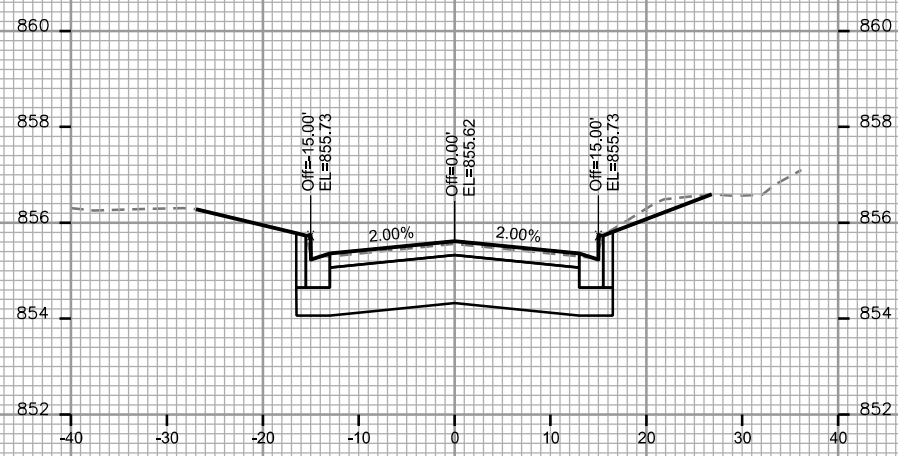


STA. 9+25



STA. 10+00





PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

EMERSON STREET

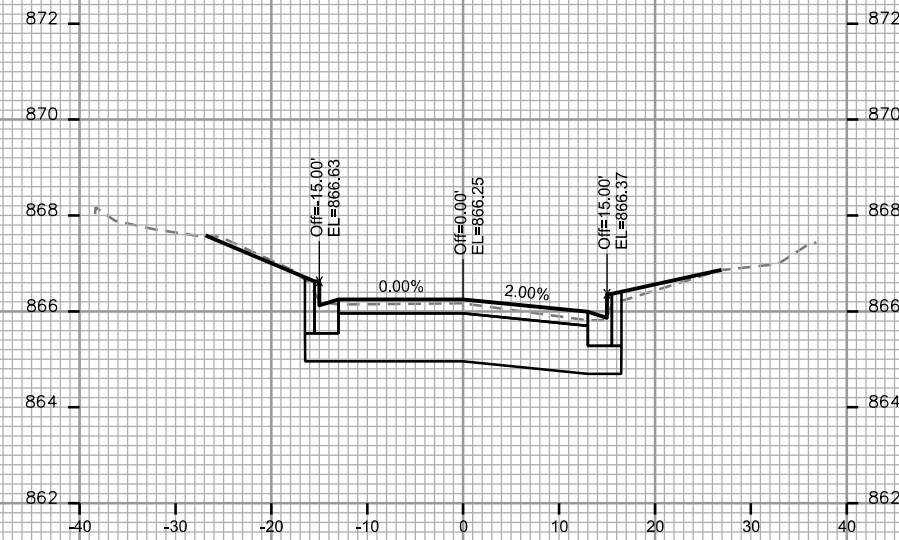
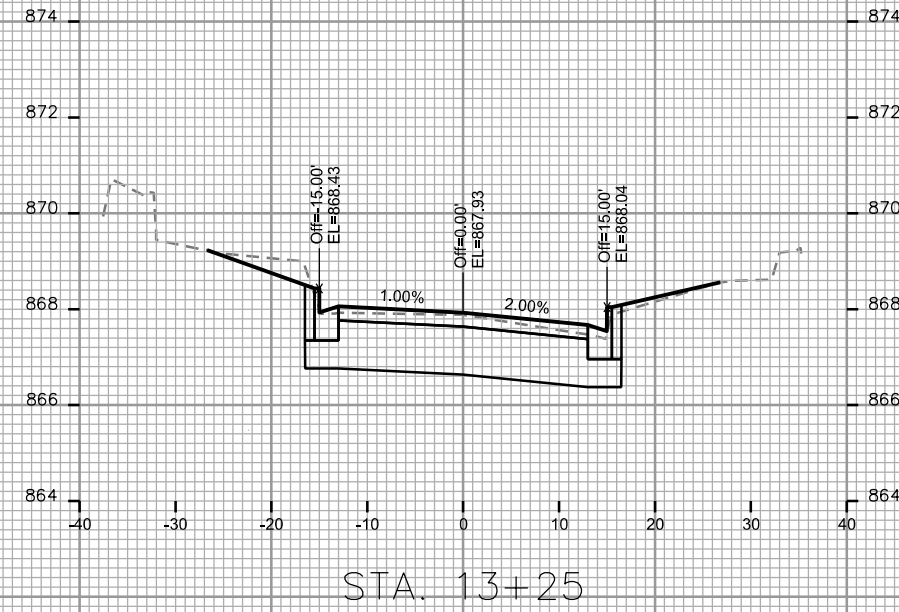
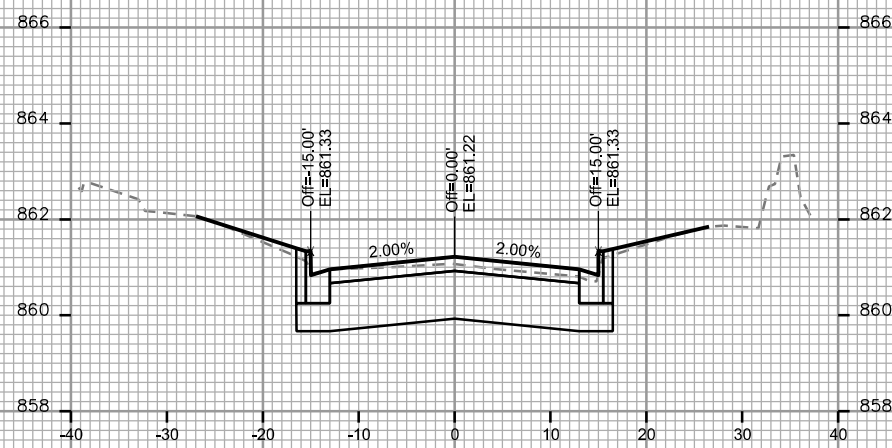
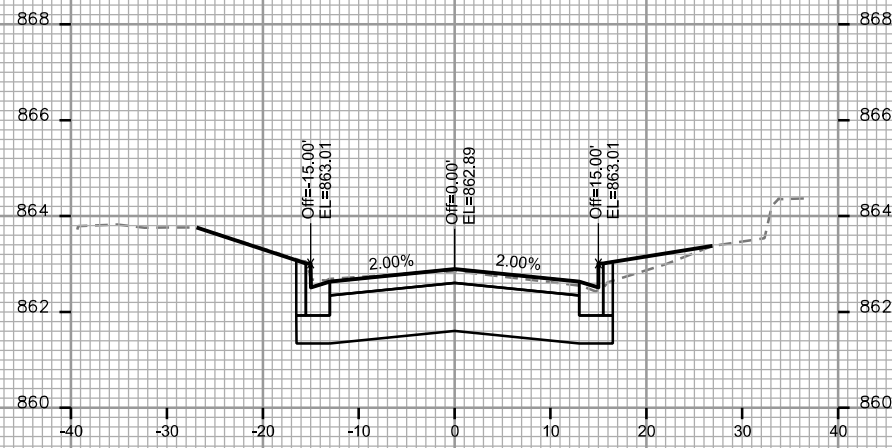
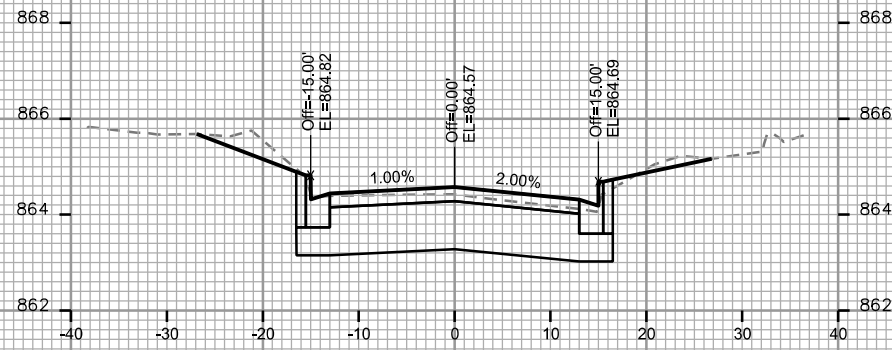
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON STREETS DIVISION

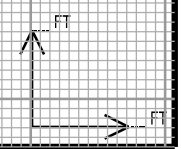
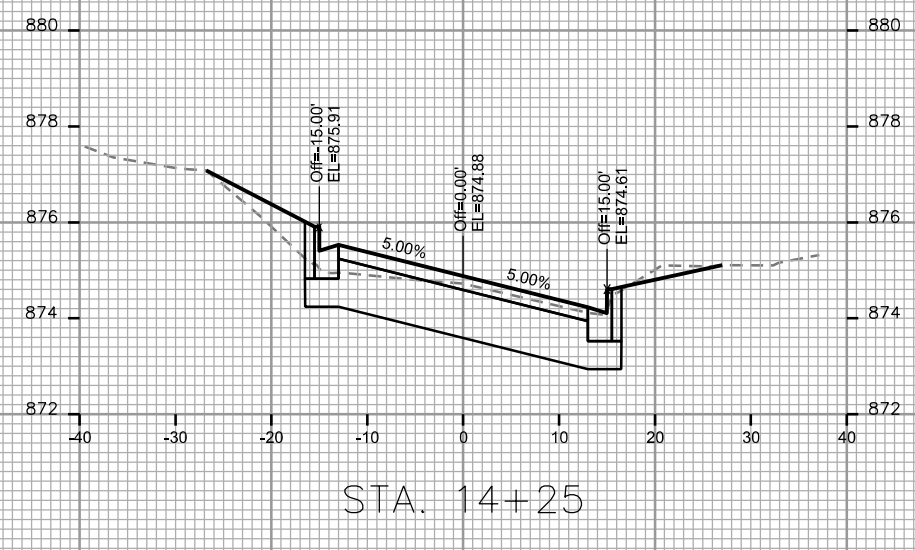
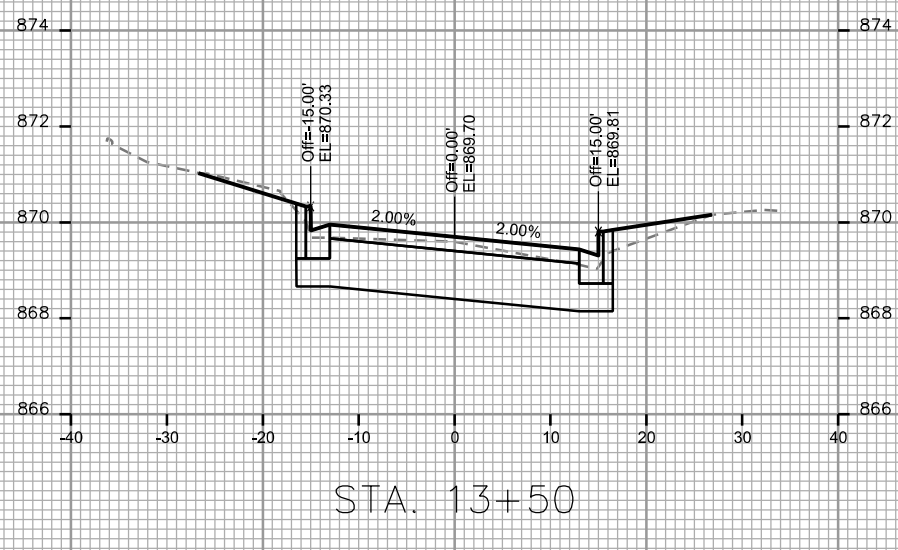
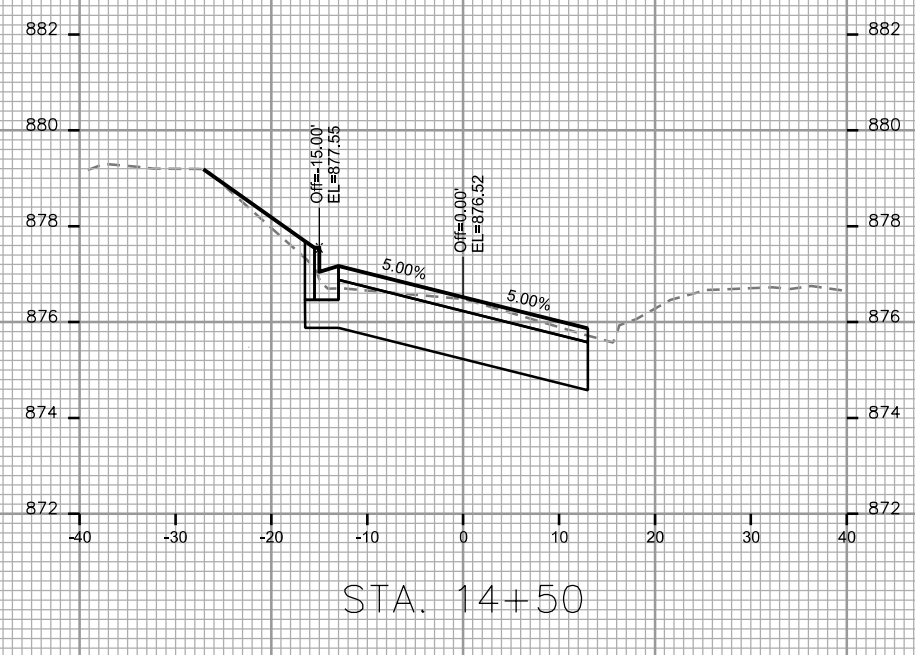
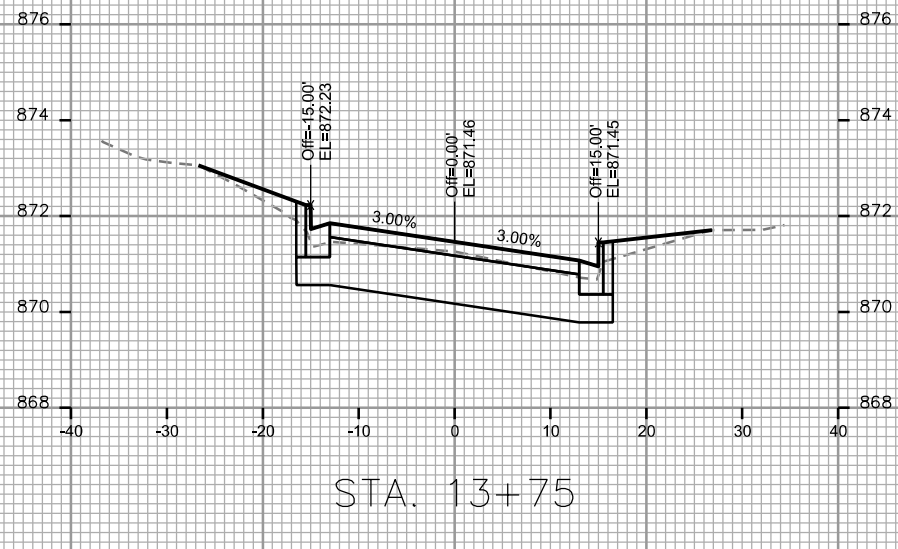
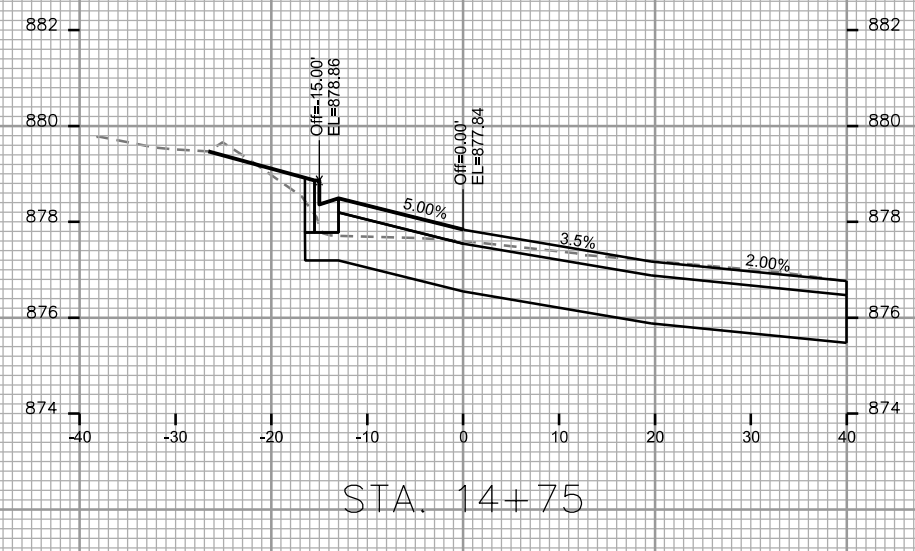
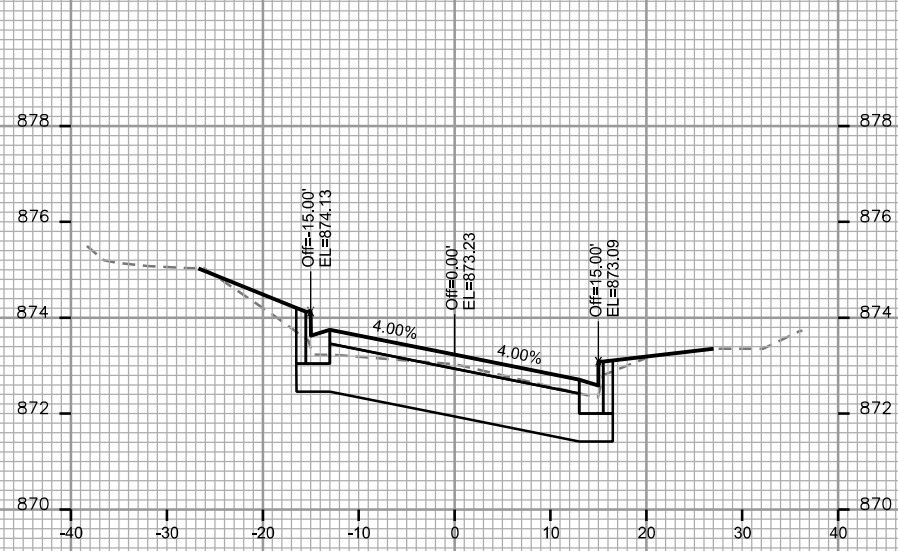


PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

LOWELL STREET

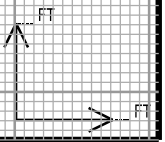
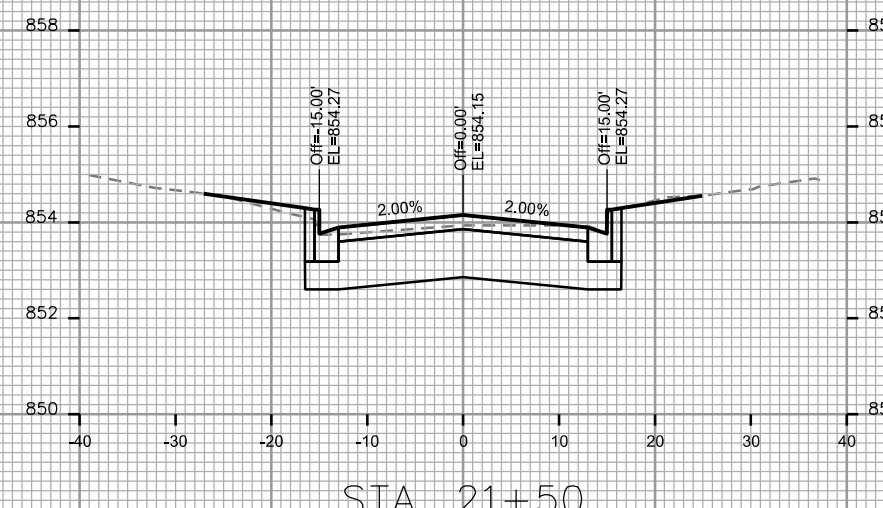
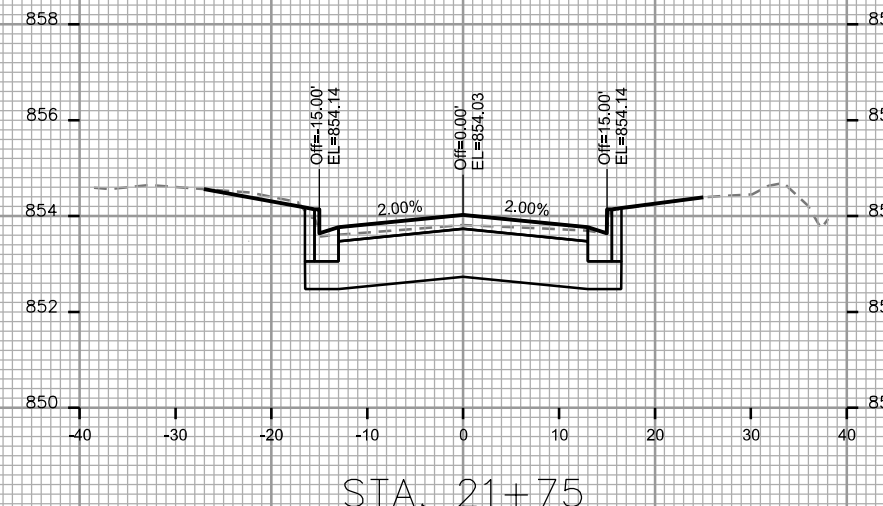
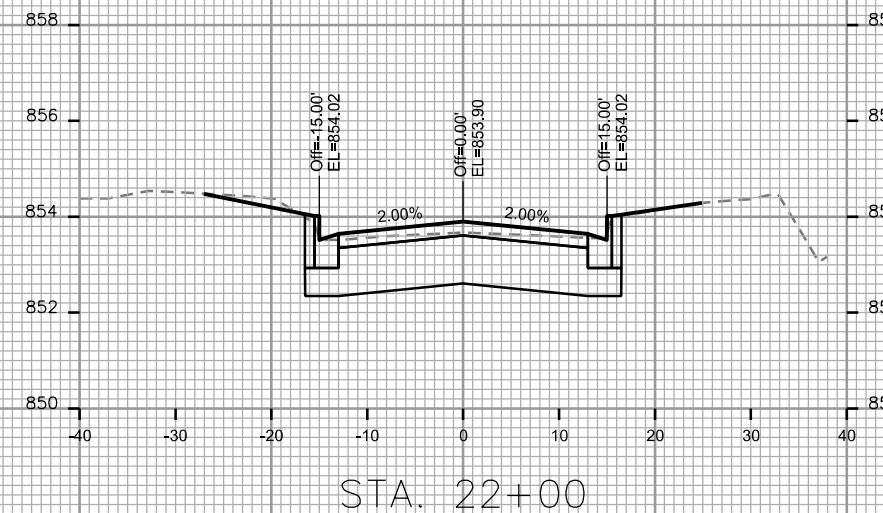
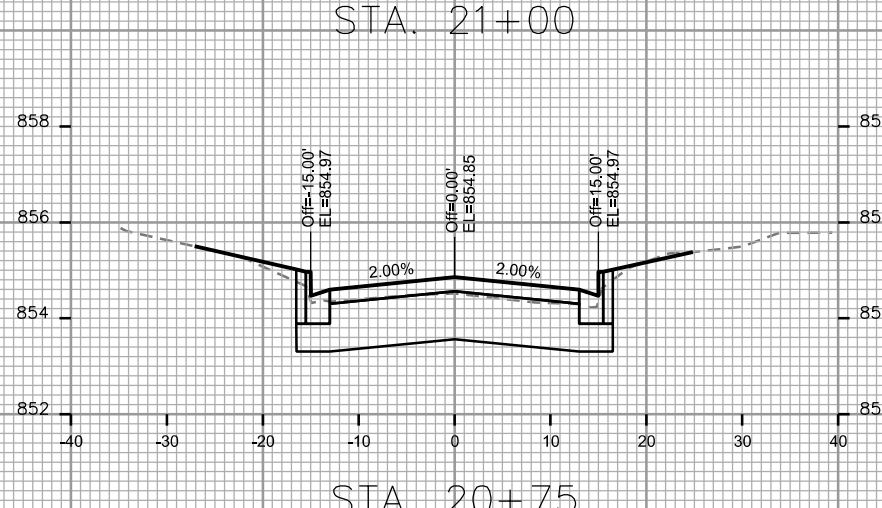
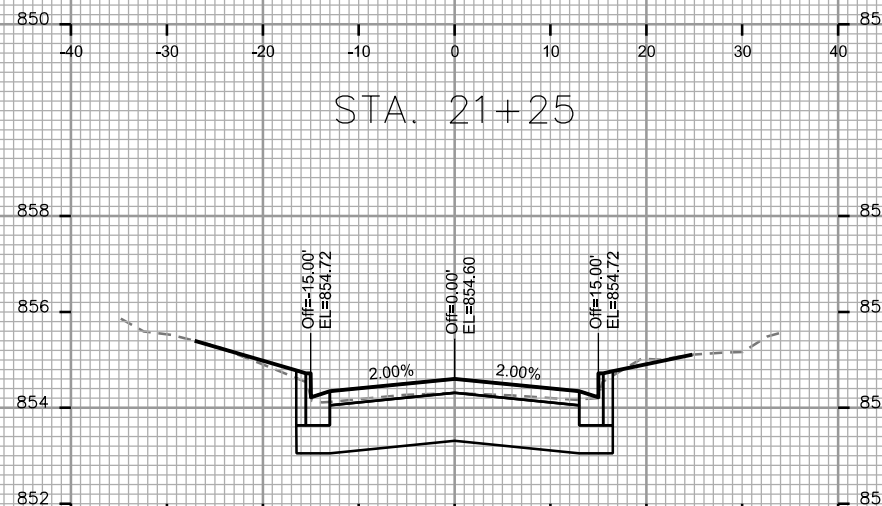
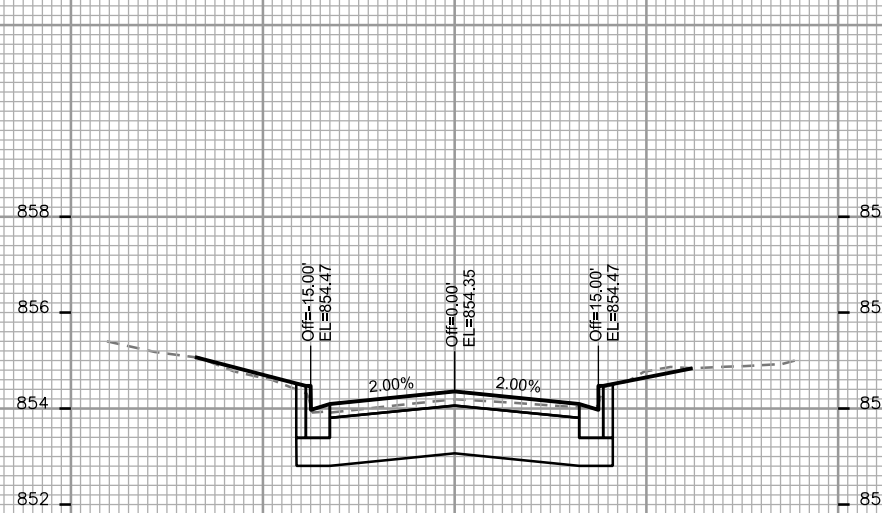
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON - STREETS DIVISION





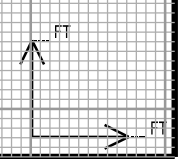
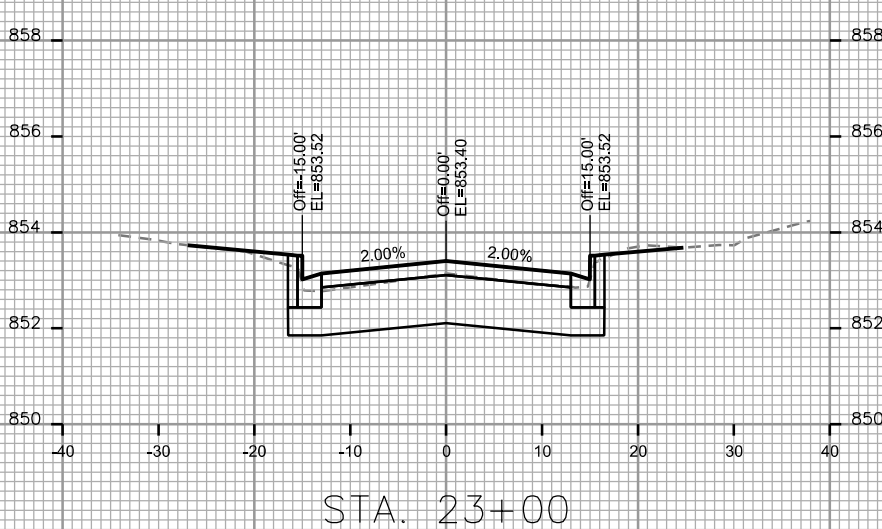
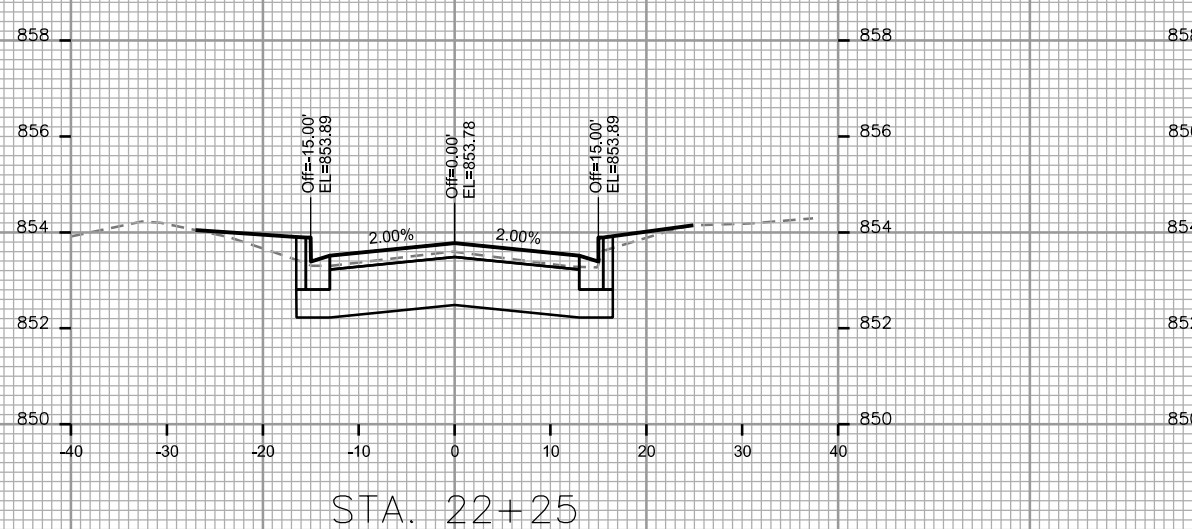
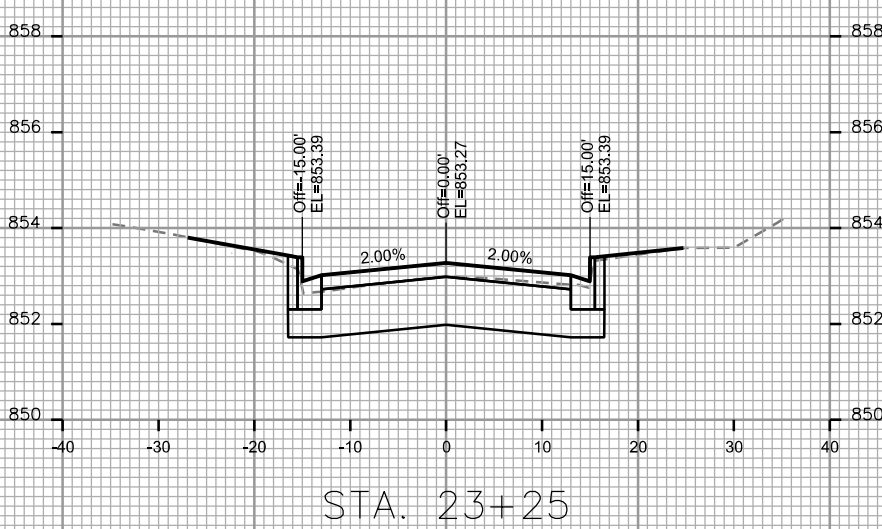
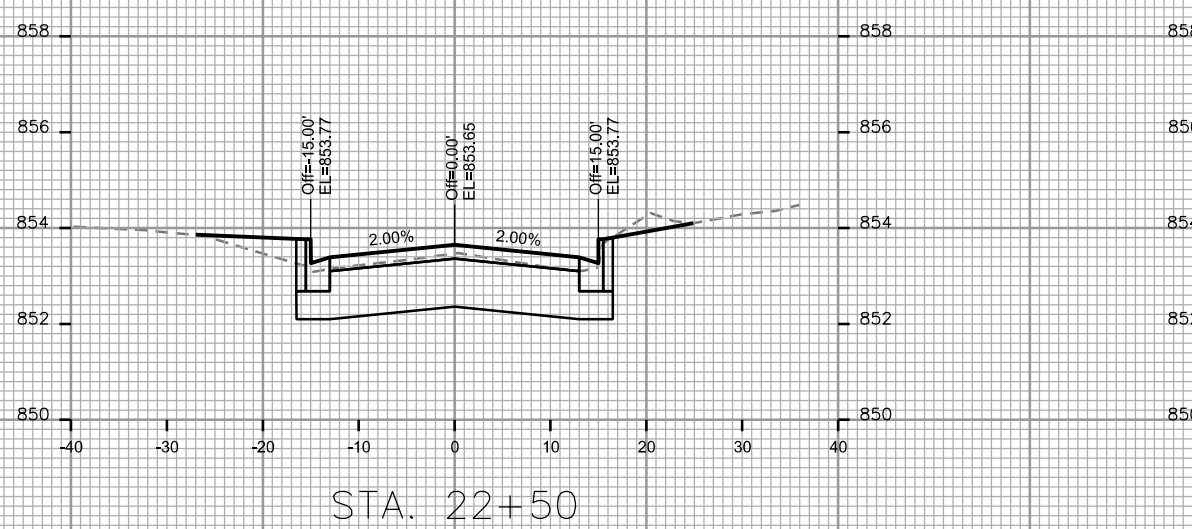
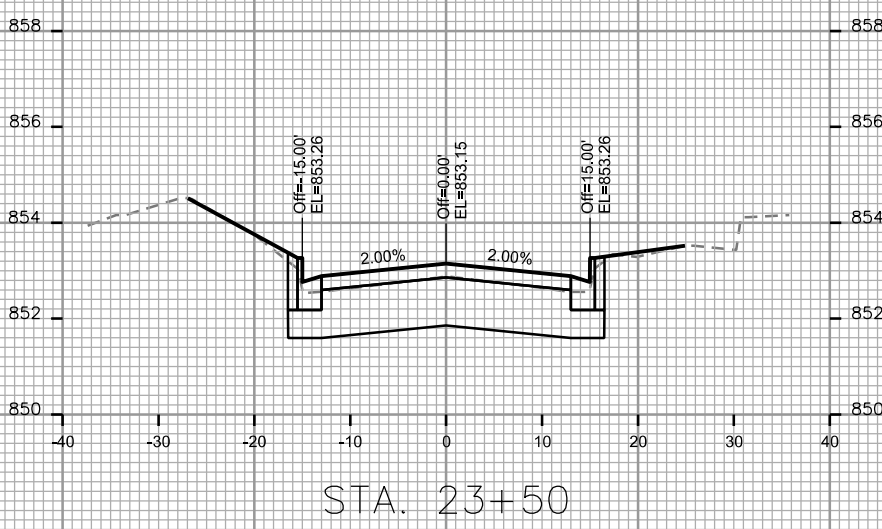
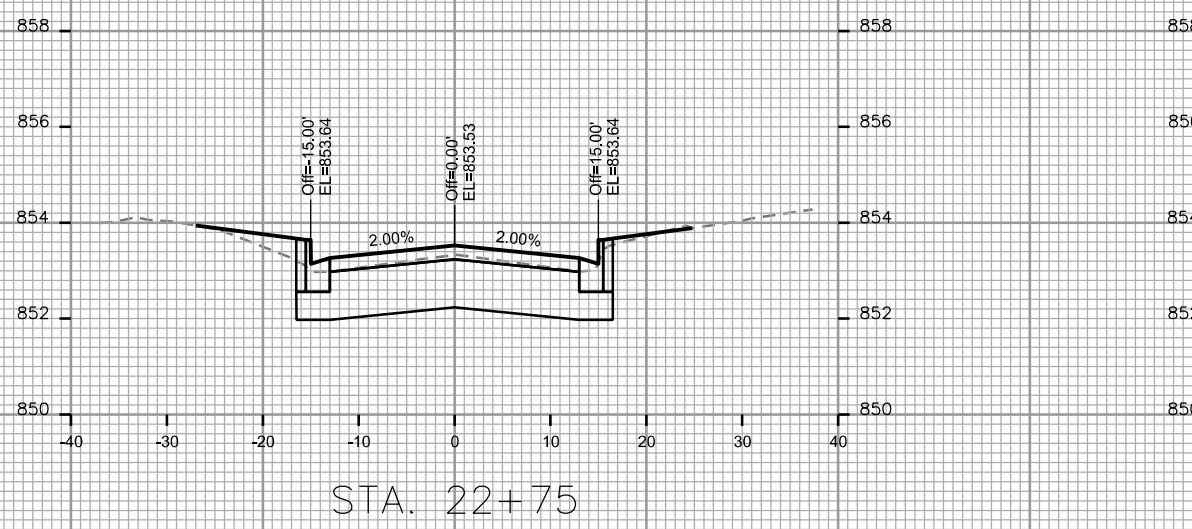
CROSS SECTIONS  
LOWELL STREET CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

LOWELL STREET

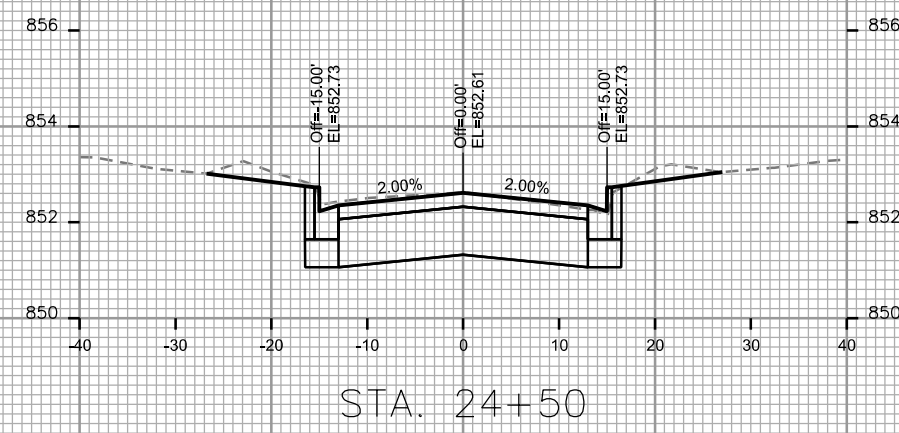
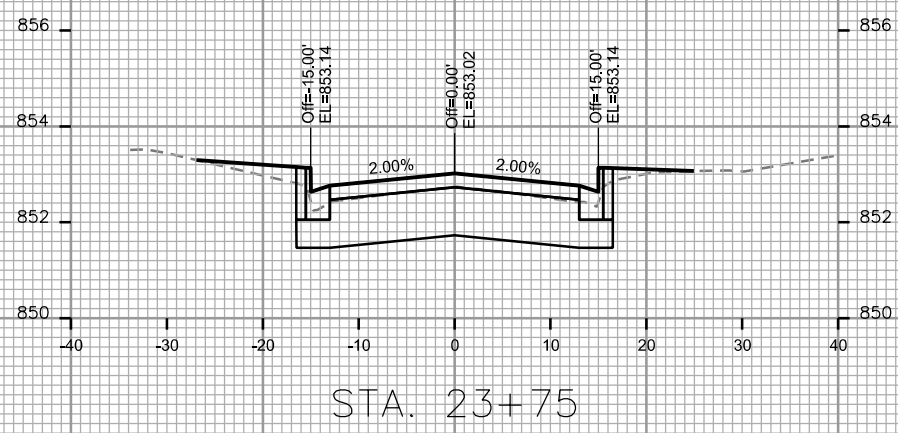
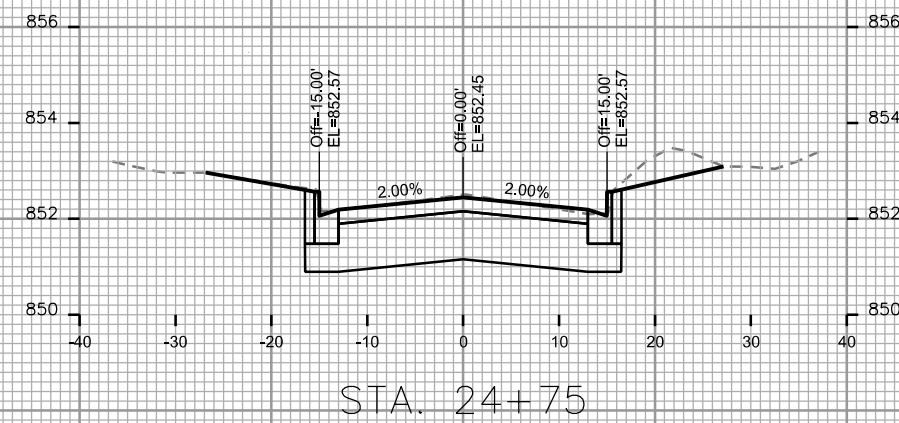
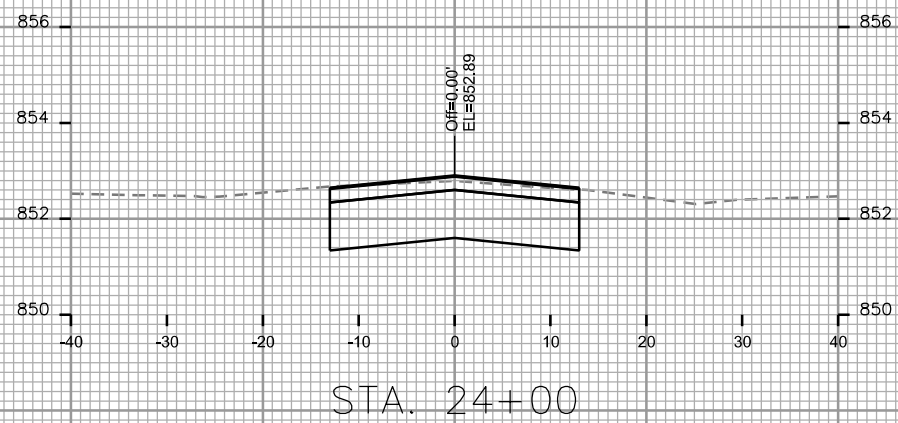
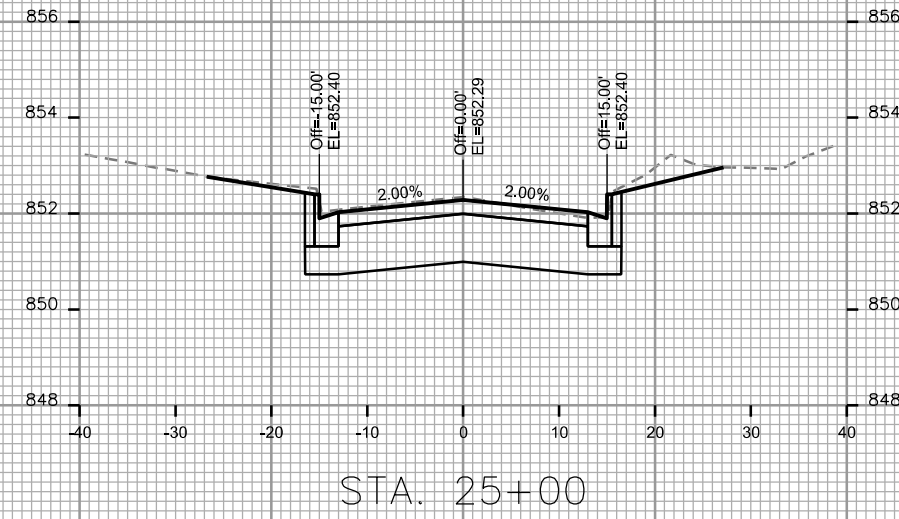
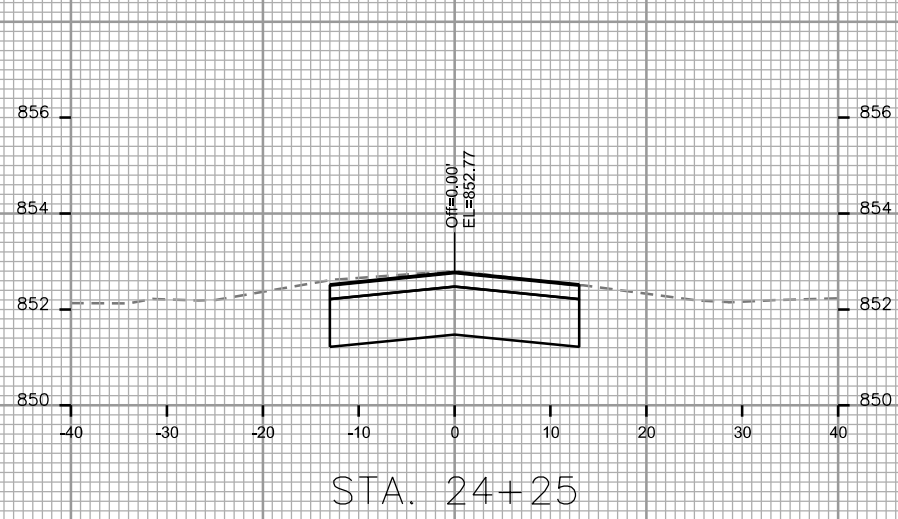
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

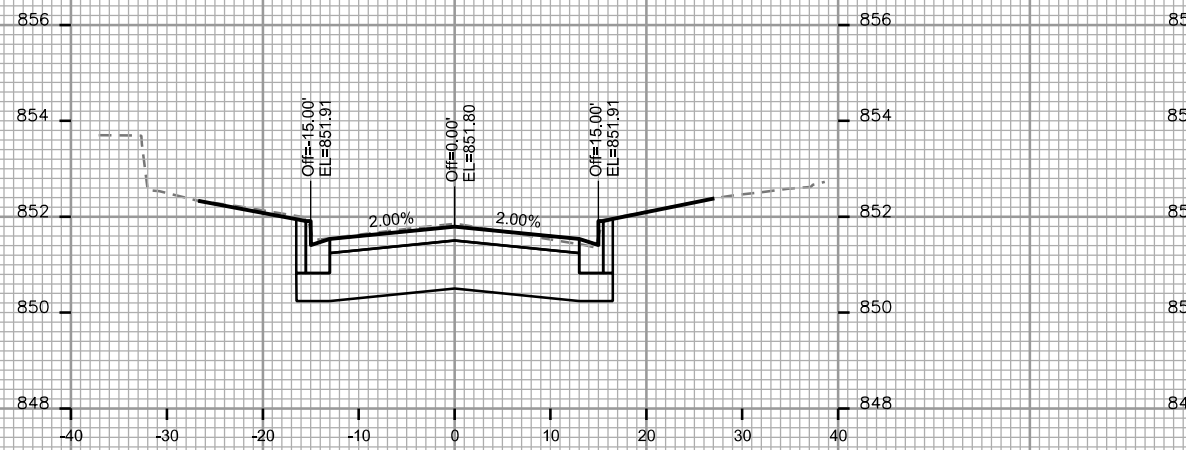
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



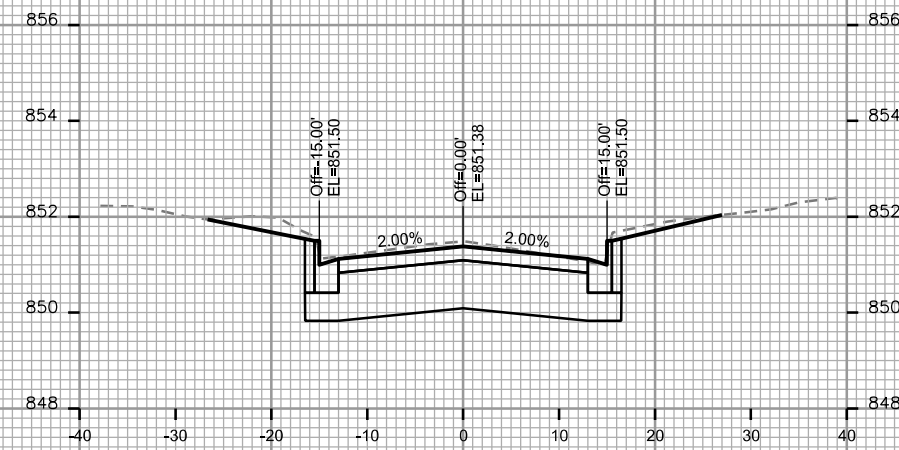
CROSS SECTIONS

LOWELL STREET

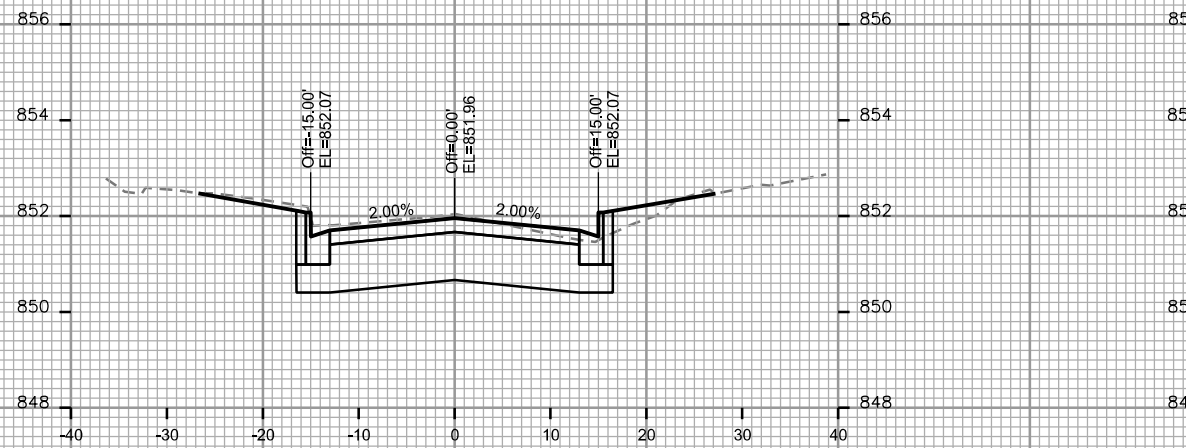
CITY OF MADISON



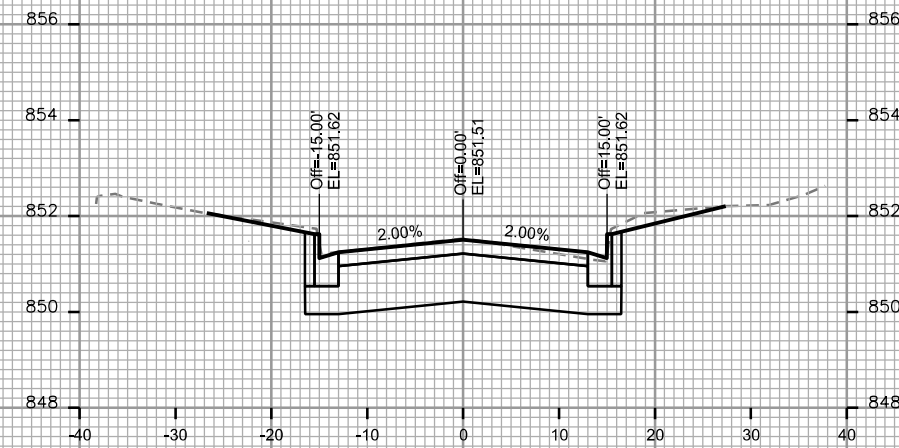
STA. 25+75



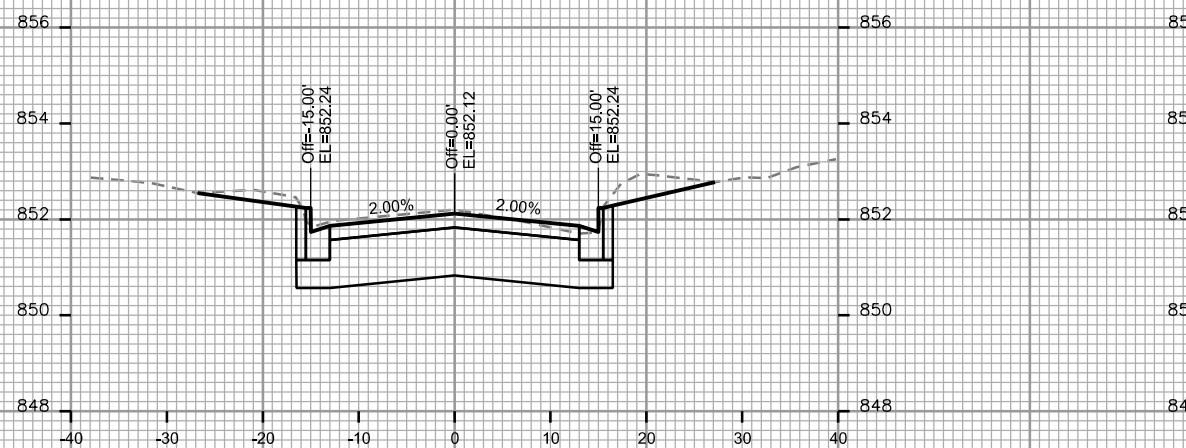
STA. 26+50



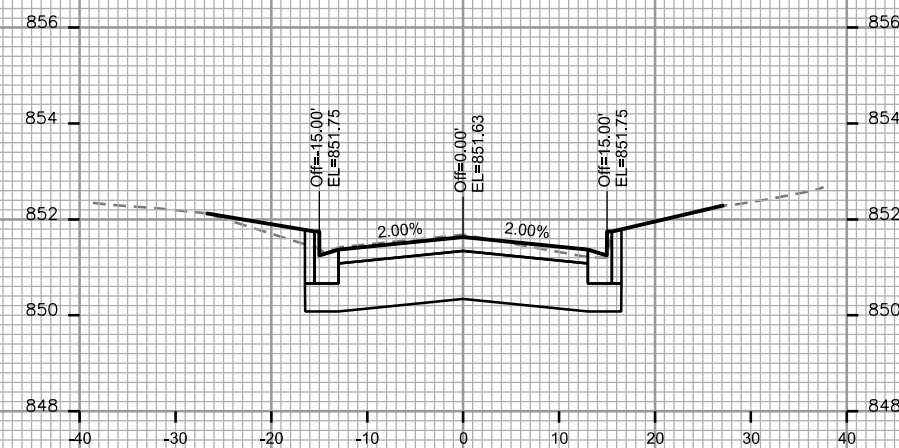
STA. 25+50



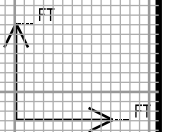
STA. 26+25



STA. 25+25



STA. 26+00



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS  
LOWELL STREET CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

