

Madison, Wisconsin

# CITY OF MADISON

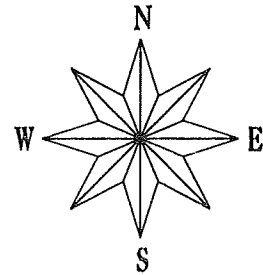
CITY ENGINEERING DIVISION  
DEPARTMENT OF PUBLIC WORKS

## PLAN OF PROPOSED IMPROVEMENT

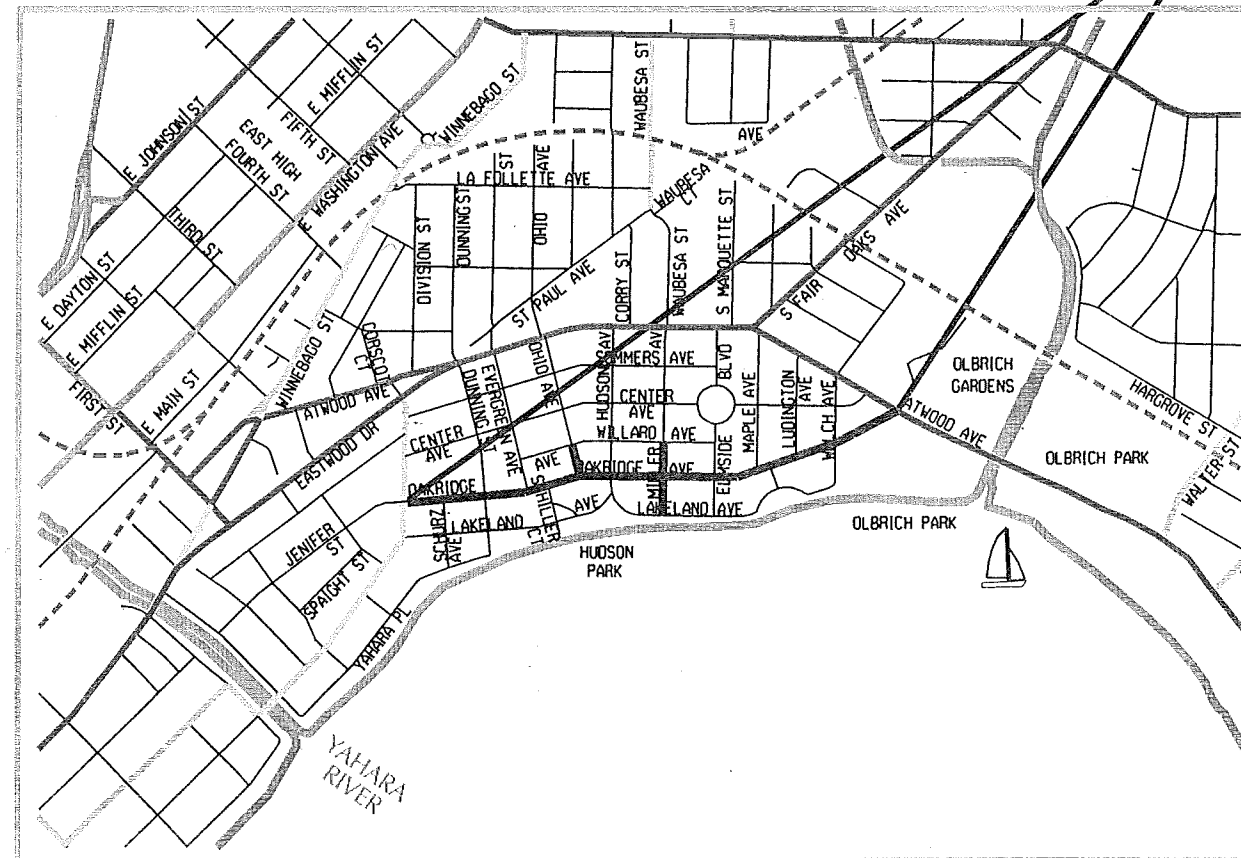
### OAKRIDGE AVE, OHIO AVE, & MILLER AVE RESURFACING ASSESSMENT DISTRICT-2013

DUNNING ST-ATWOOD AVE, OAKRIDGE AVE-WILLARD AVE, LAKELAND AVE-WILLARD AVE

PROJECT NO. 53W1544  
CONTRACT NO. 6999



PROJECT LOCATION



CONVENTIONAL SIGNS

COMBUSTIBLE FLUIDS



UNDERGROUND UTILITIES

NOTE: FIELD VERIFY UTILITIES

STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
POWER POLE	□
RAILROAD	▬

#### INDEX OF SHEETS

SHEET NO. D1	TYPICAL SECTIONS
SHEET NO. EC1-EC11	EROSION CONTROL PLAN
SHEET NO. P1-P8	PLAN/PROFILE-OAKRIDGE AVE
SHEET NO. P9	PLAN/PROFILE-OHIO AVE
SHEET NO. P10-P11	PLAN/PROFILE-MILLER AVE
SHEET NO. U1-U8	UTILITY PLAN/PROFILE-OAKRIDGE AVE
SHEET NO. U9	UTILITY PLAN/PROFILE-OHIO AVE
SHEET NO. U10-U11	UTILITY PLAN/PROFILE-MILLER AVE
SHEET NO. U12	UTILITY PLAN/PROFILE-MAPLE AVE
SHEET NO. U13	TREATMENT STRUCTURE DETAIL
SHEET NO. U14-U15	SANITARY SEWER SCHEDULE
SHEET NO. U16-U18	STORM SEWER SCHEDULE
SHEET NO. W1-W8	WATER PLAN/PROFILE-OAKRIDGE AVE
SHEET NO. W9	WATER PLAN/PROFILE-OHIO AVE
SHEET NO. W10-W11	WATER PLAN/PROFILE-MILLER AVE
SHEET NO. W12	WATER ESTIMATE OF MATERIAL
SHEET NO. X1-X15	CROSS-SECTIONS- OAKRIDGE
SHEET NO. X16-X17	CROSS-SECTIONS- OHIO
SHEET NO. X18-X22	CROSS-SECTIONS- MILLER

#### EARTHWORK SUMMARY

EXCAVATION CUT-OAKRIDGE (PAID AS PLAN QUANTITY)	3783 CY
EXCAVATION CUT-OHIO (PAID AS PLAN QUANTITY)	252 CY
EXCAVATION CUT-MILLER (PAID AS PLAN QUANTITY)	590 CY
UNDERCUT (EST.)	3494 CY
TOTAL	8119 CY

#### NOTES:

THE GROSS SLOPE OF SIDEWALK AND BARRIER FREE WALK RAMP SHALL NOT EXCEED 2%. THE LONGITUDINAL GRADE OF BARRIER FREE WALK RAMP SHALL NOT EXCEED 8.33%.

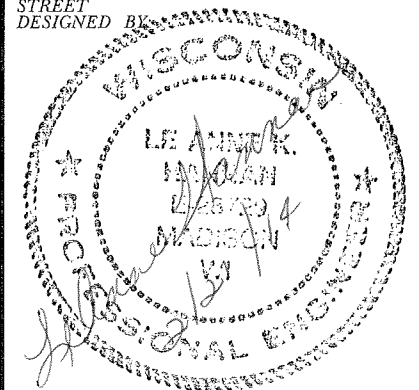
STREET PROJECT APPROVED  
FEB. 4, 2014  
BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

DESIGN APPROVED BY:

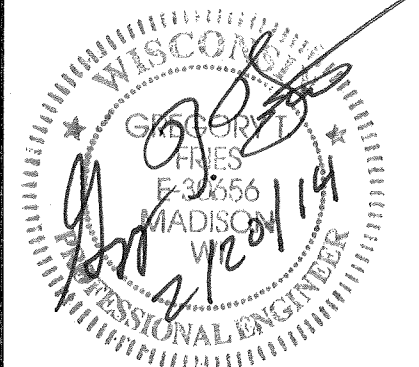
City Engineer

Date

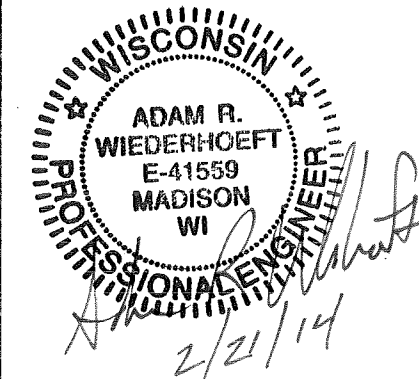
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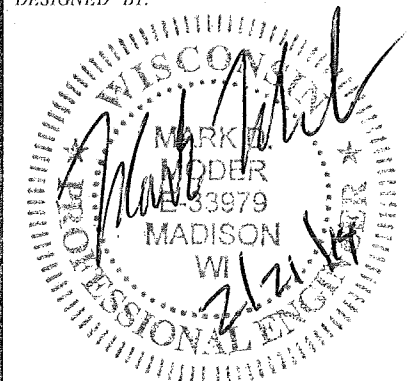
STORM SEWER DESIGNED BY:



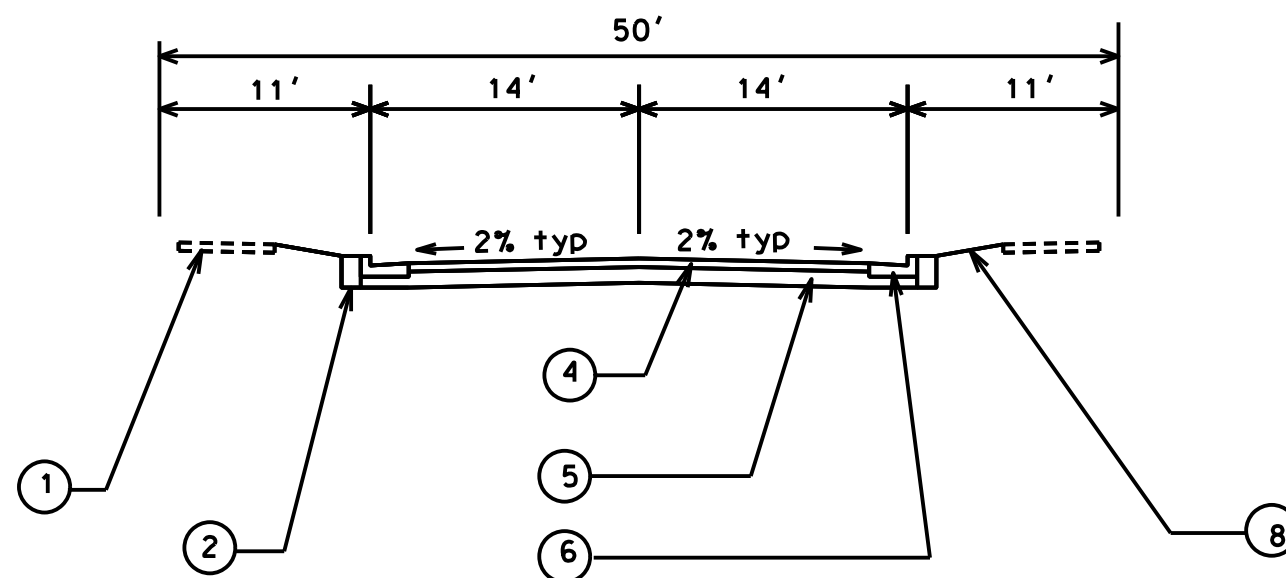
WATER DESIGNED BY:



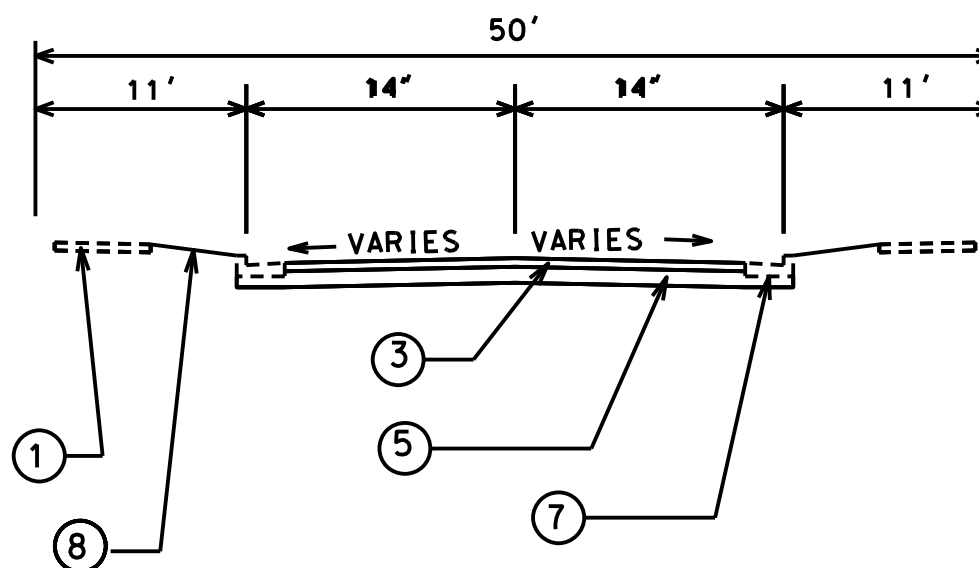
SANITARY SEWER DESIGNED BY:



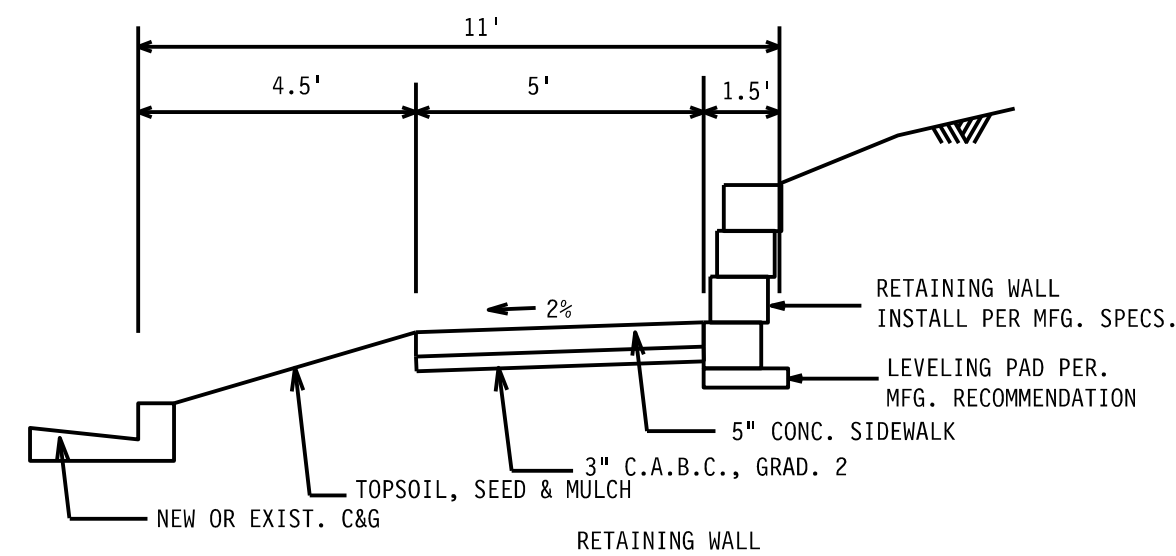
- ① EX. 5" CONC. SW
- ② FILL
- ③ 4-1/4" HMA PAV'T TYPE 1
- ④ 3-1/2" HMA PAV'T TYPE 0.3
- ⑤ 4" C.A.B.C. GR. 2  
6" C.A.B.C. GR. 1
- ⑥ TYPE "A" CONC. C&G
- ⑦ EXIST. CONC. C&G
- ⑧ 4" TOPSOIL, SEED & MULCH



OHIO AVENUE & MILLER AVENUE



OAKRIDGE AVENUE



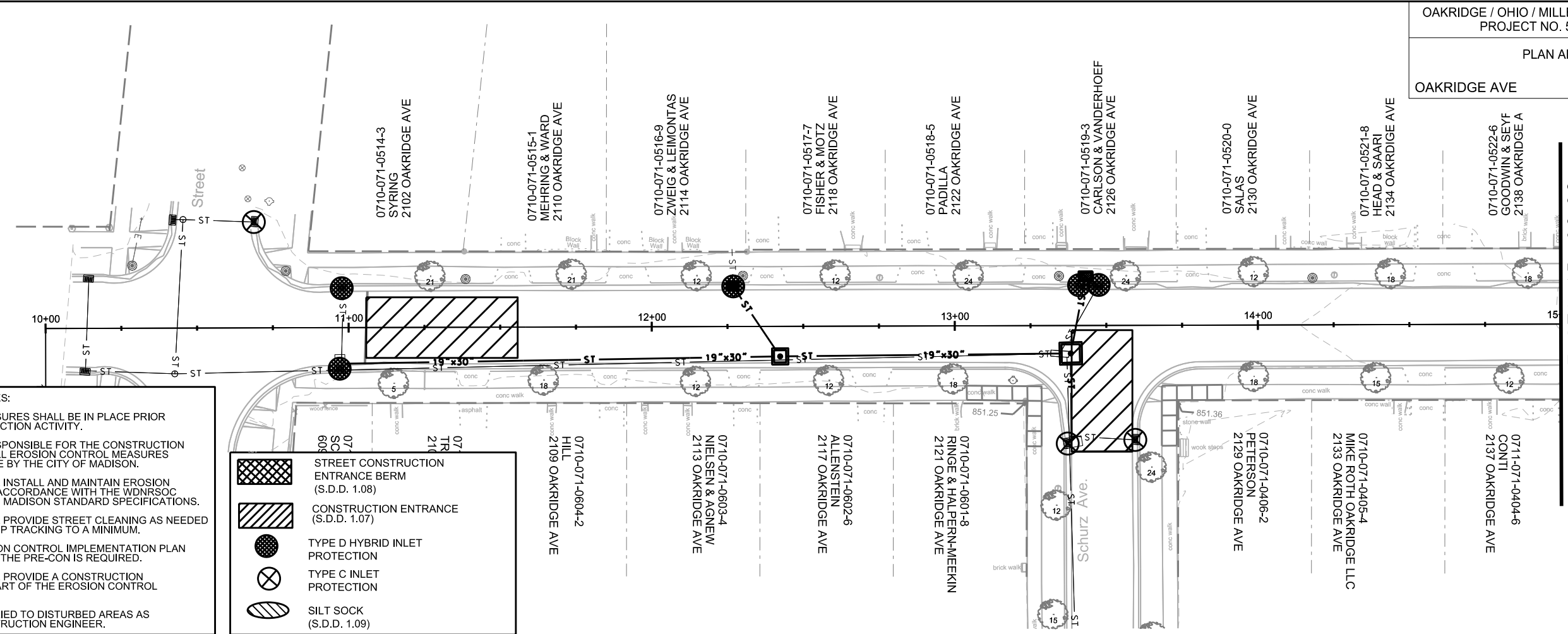
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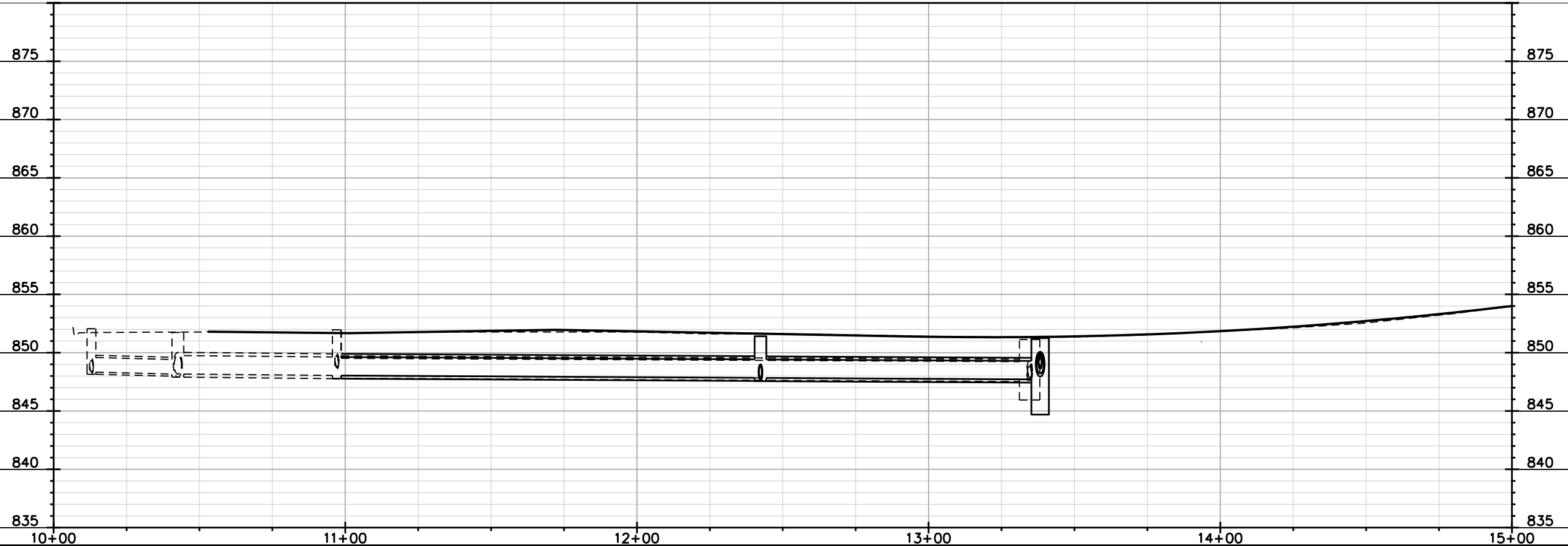
ORIGINATOR:

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



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	CONSTRUCTION ENTRANCE (S.D.D. 1.07)
	TYPE D HYBRID INLET PROTECTION
	TYPE C INLET PROTECTION
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MATCHLINE STA 15+00.00



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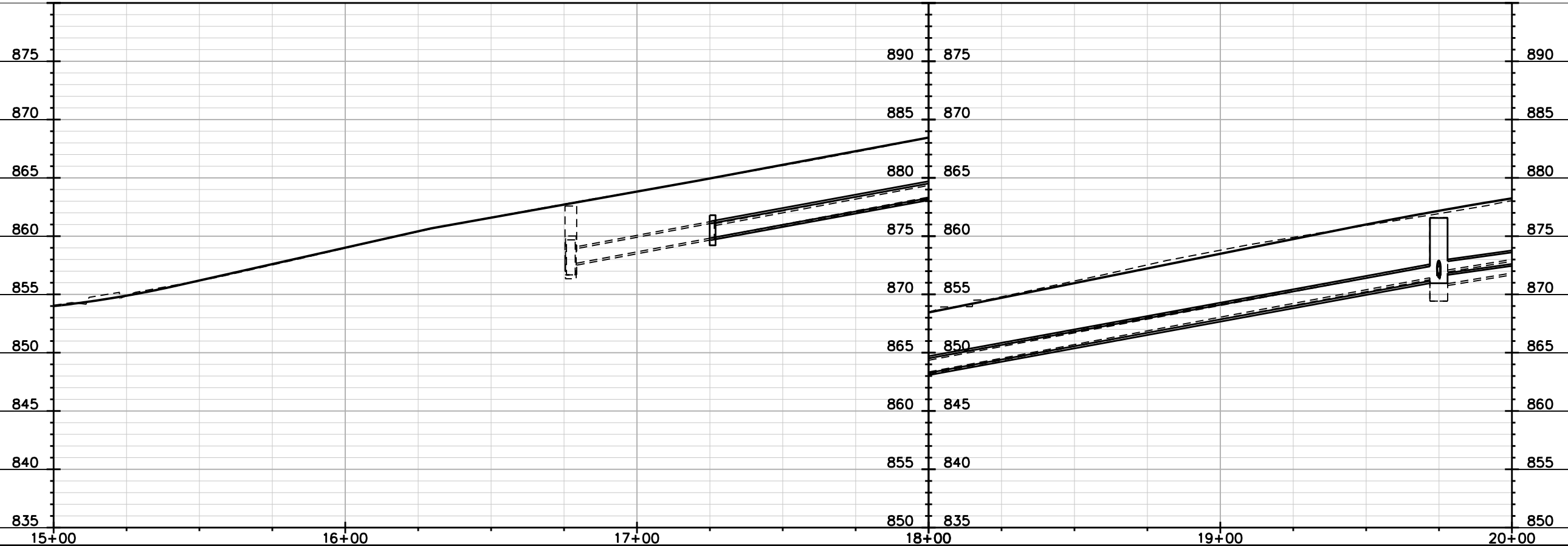
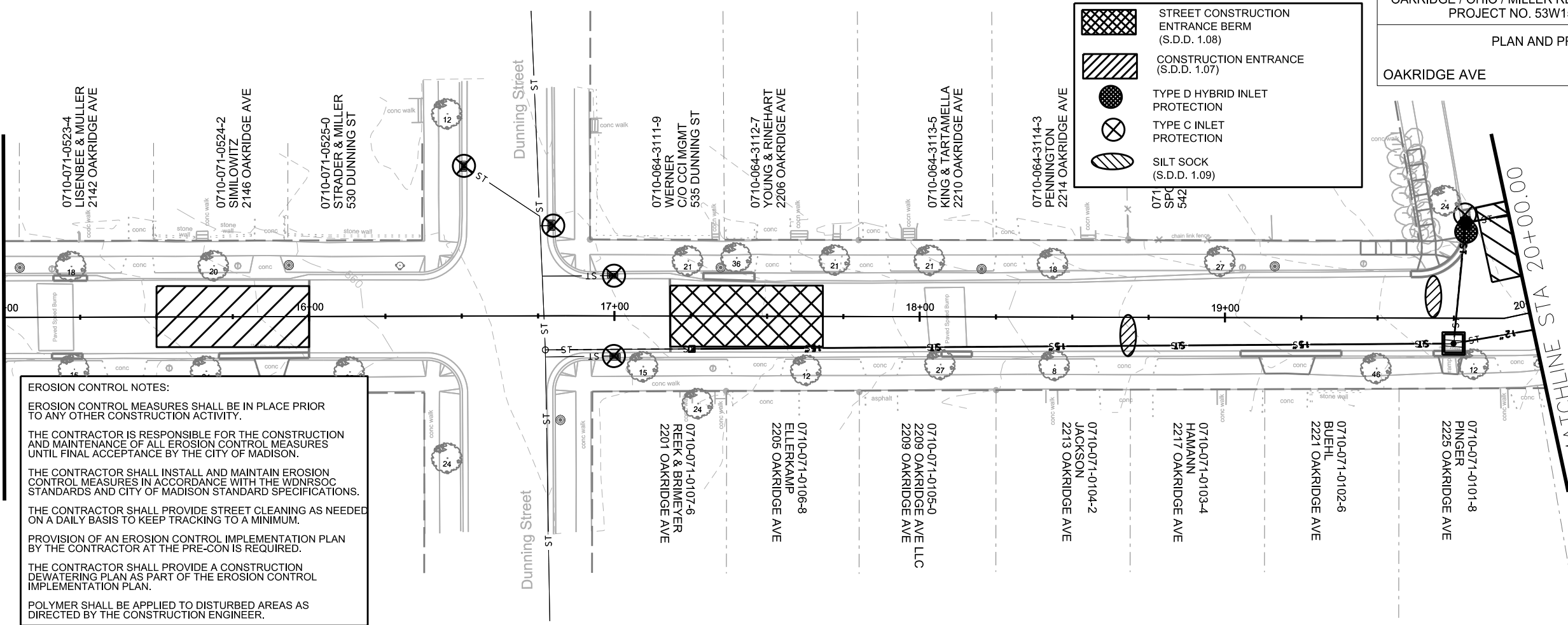
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
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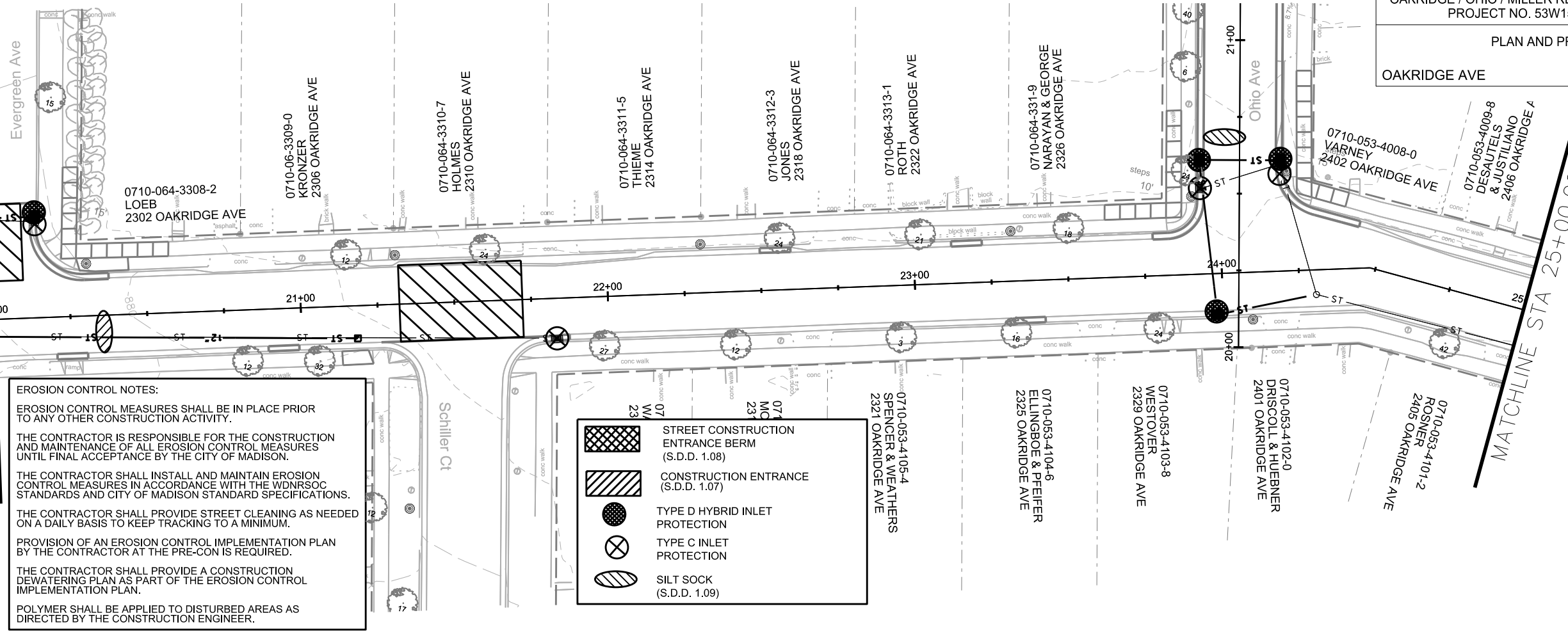
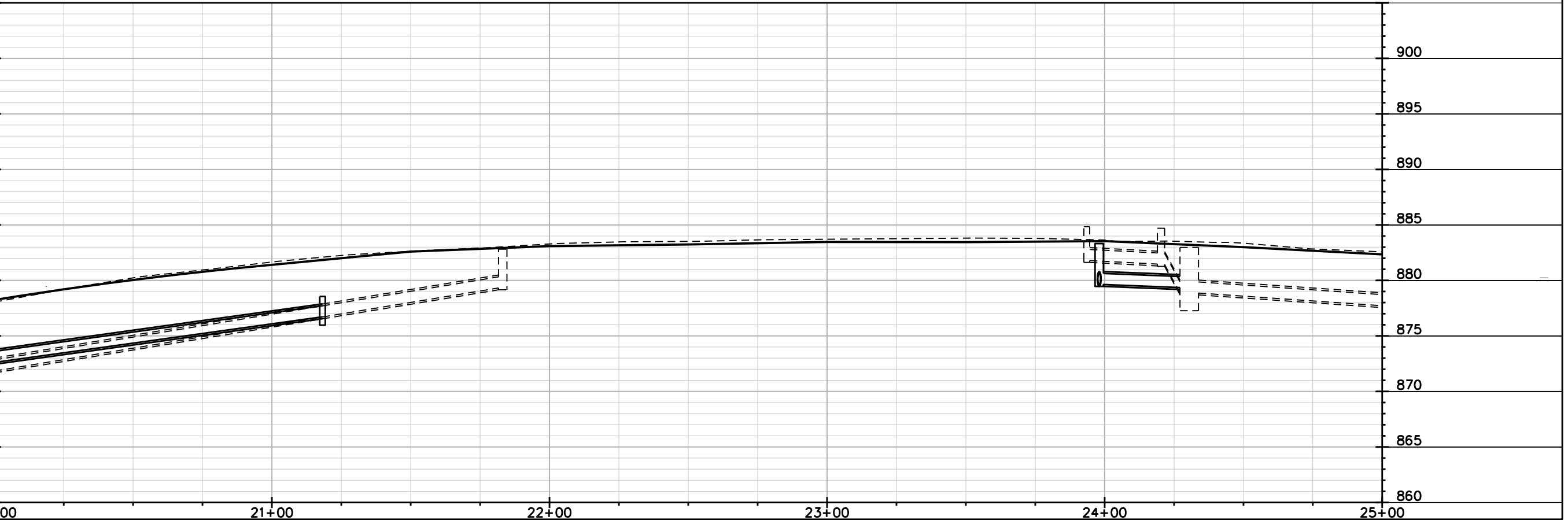
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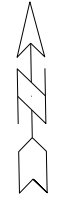


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MATCHLINE STA 30+00.00

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
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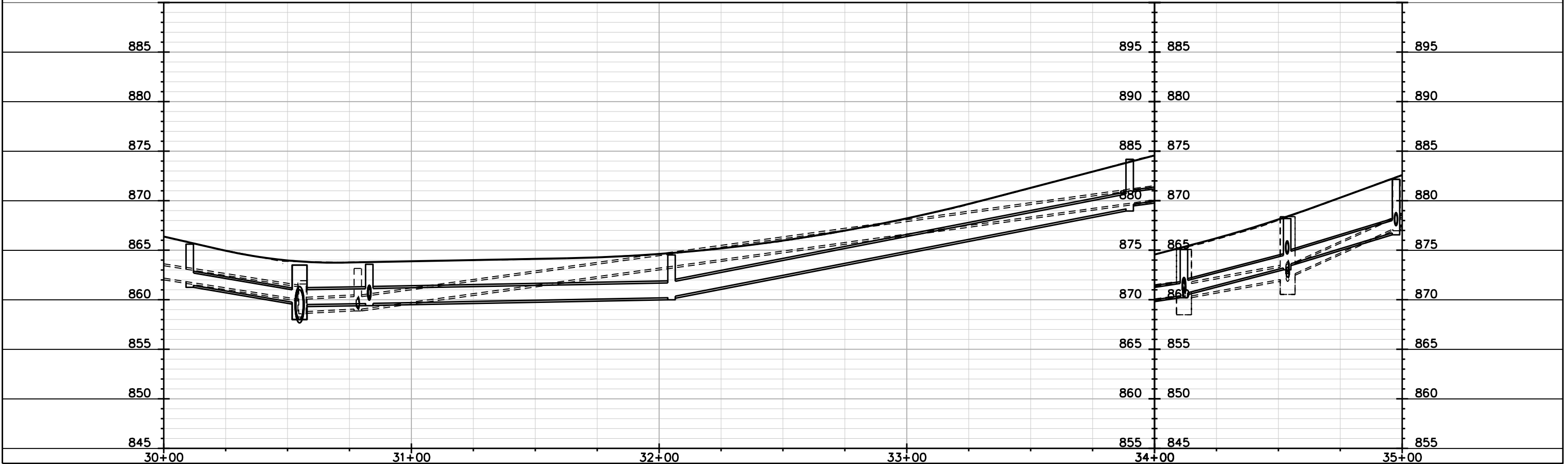
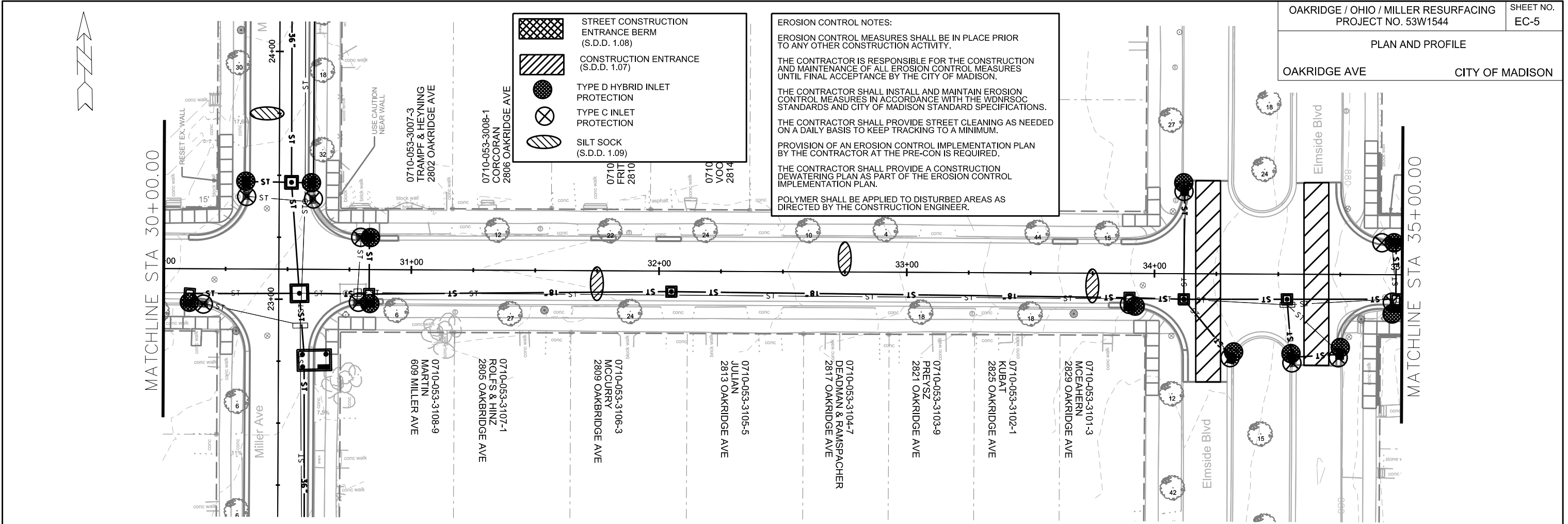
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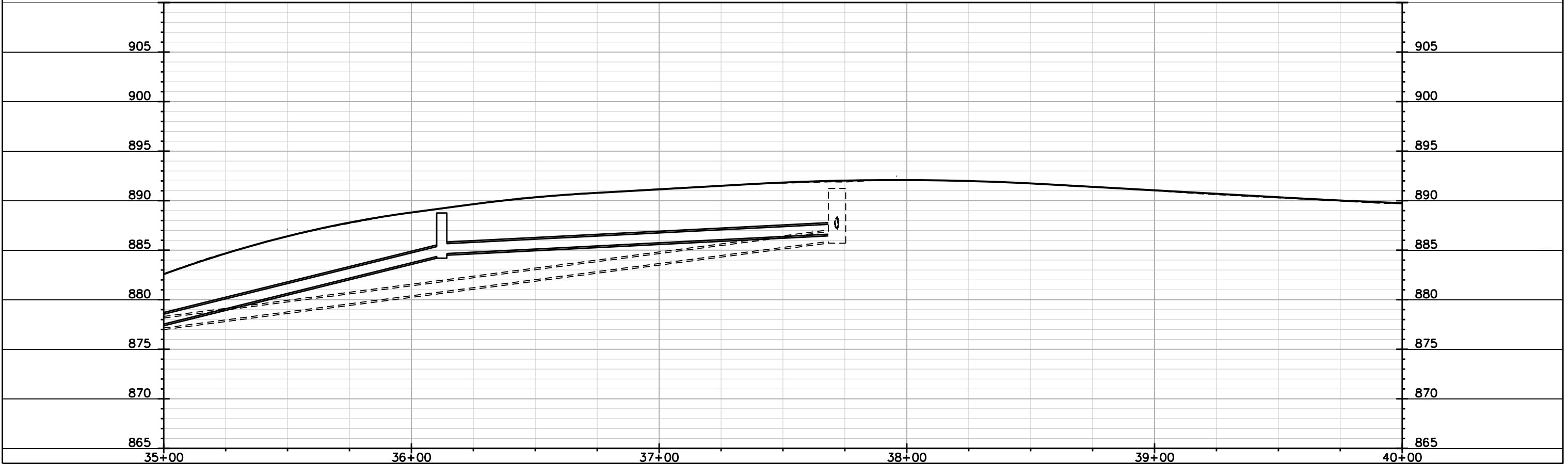
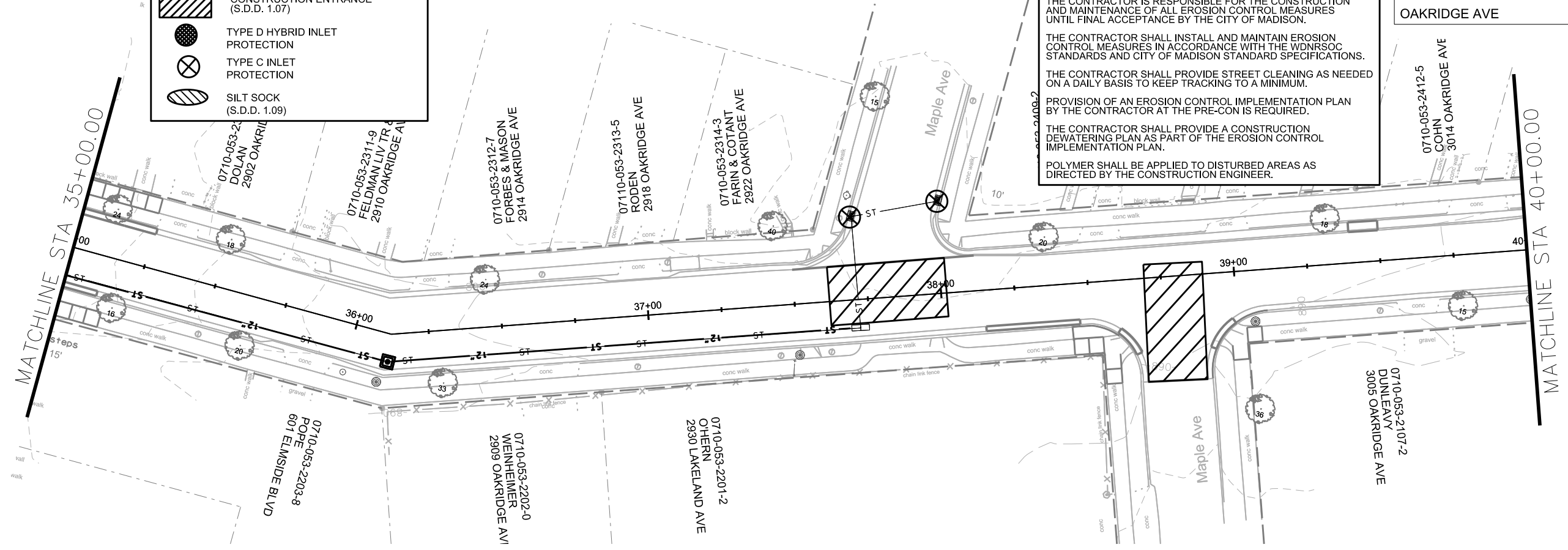
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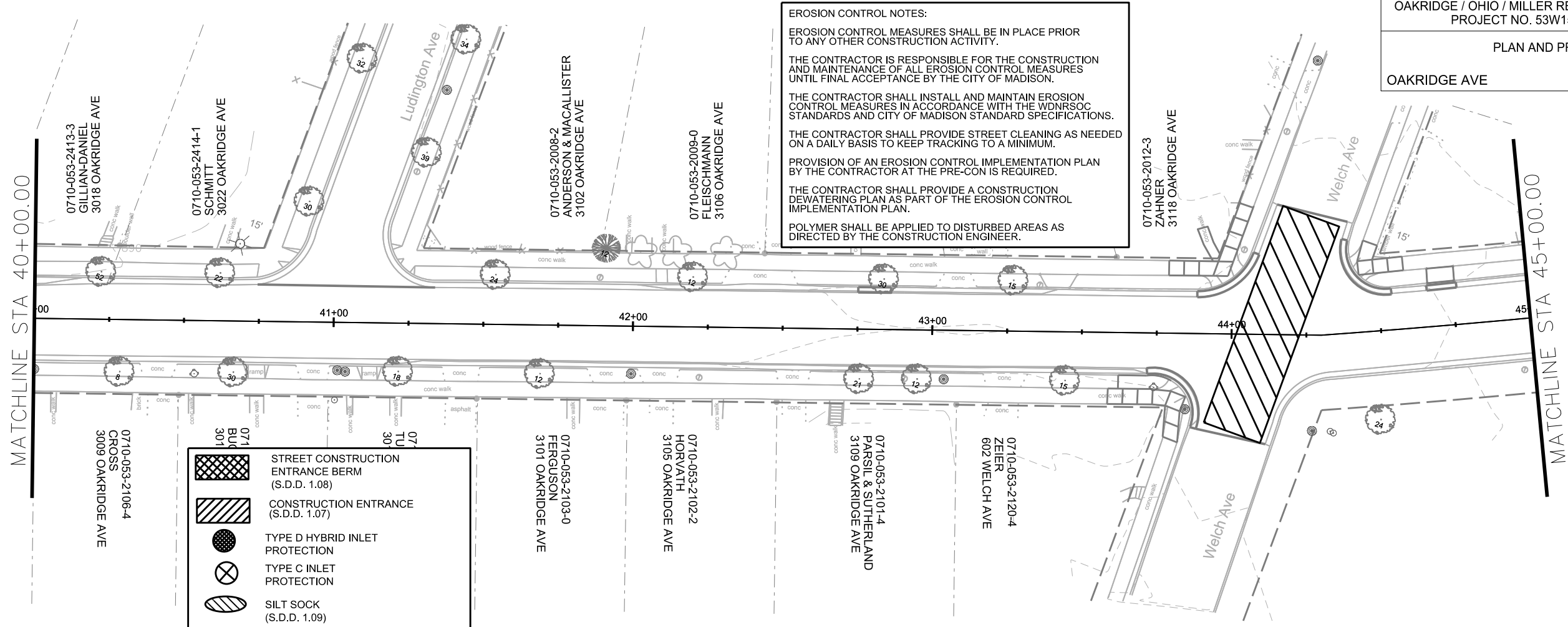
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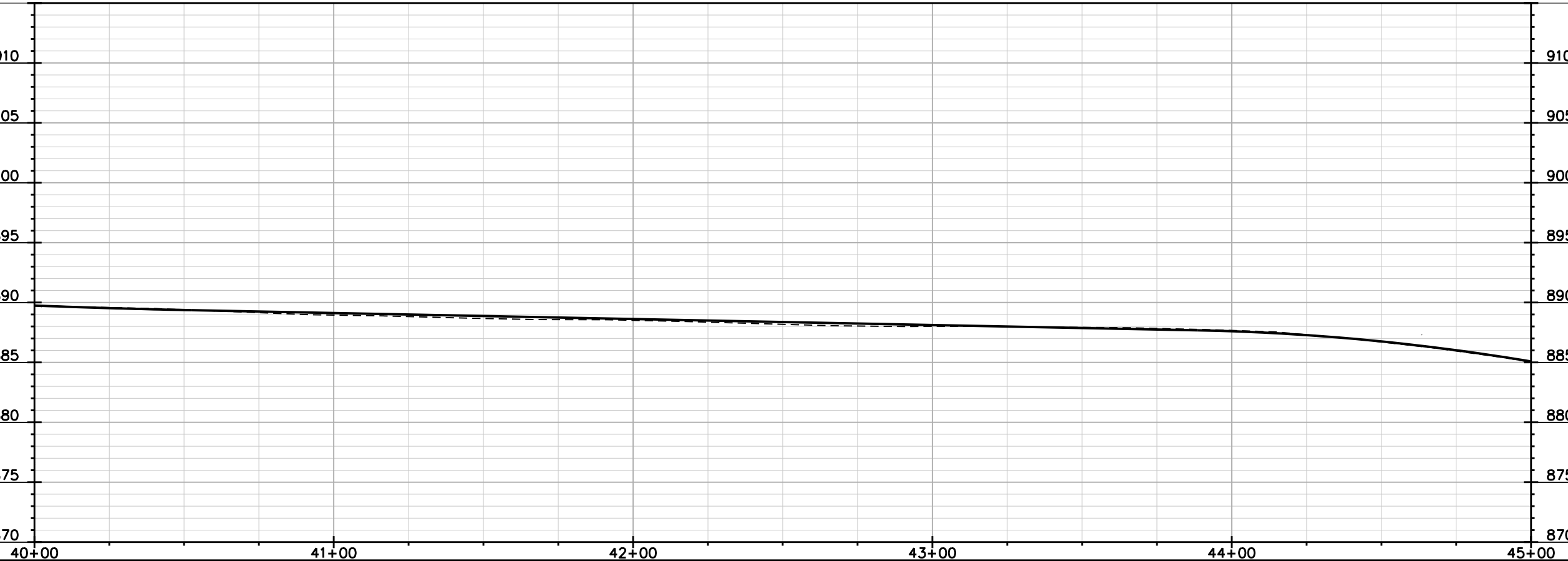
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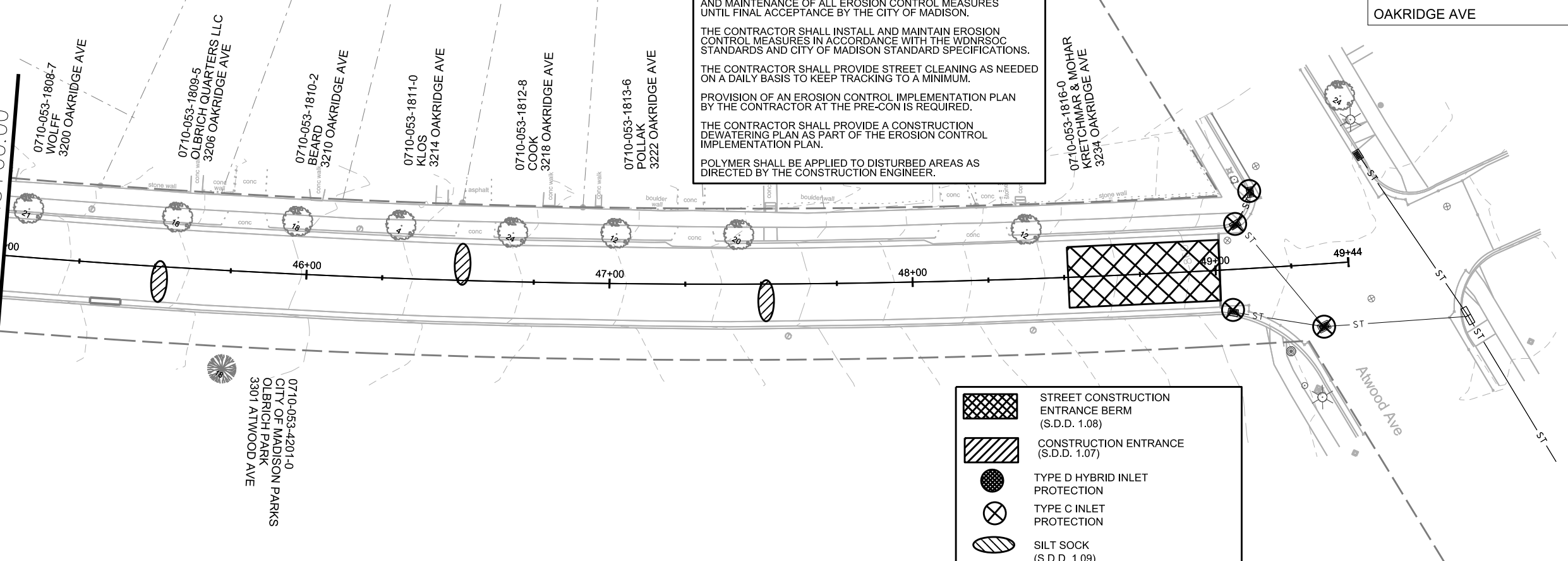
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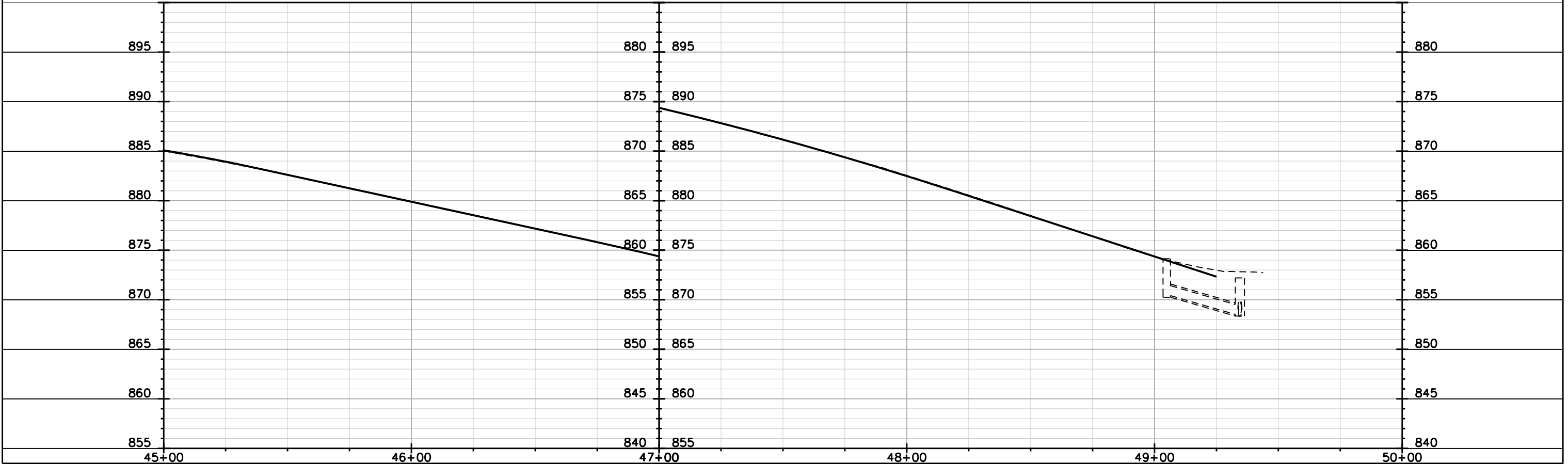
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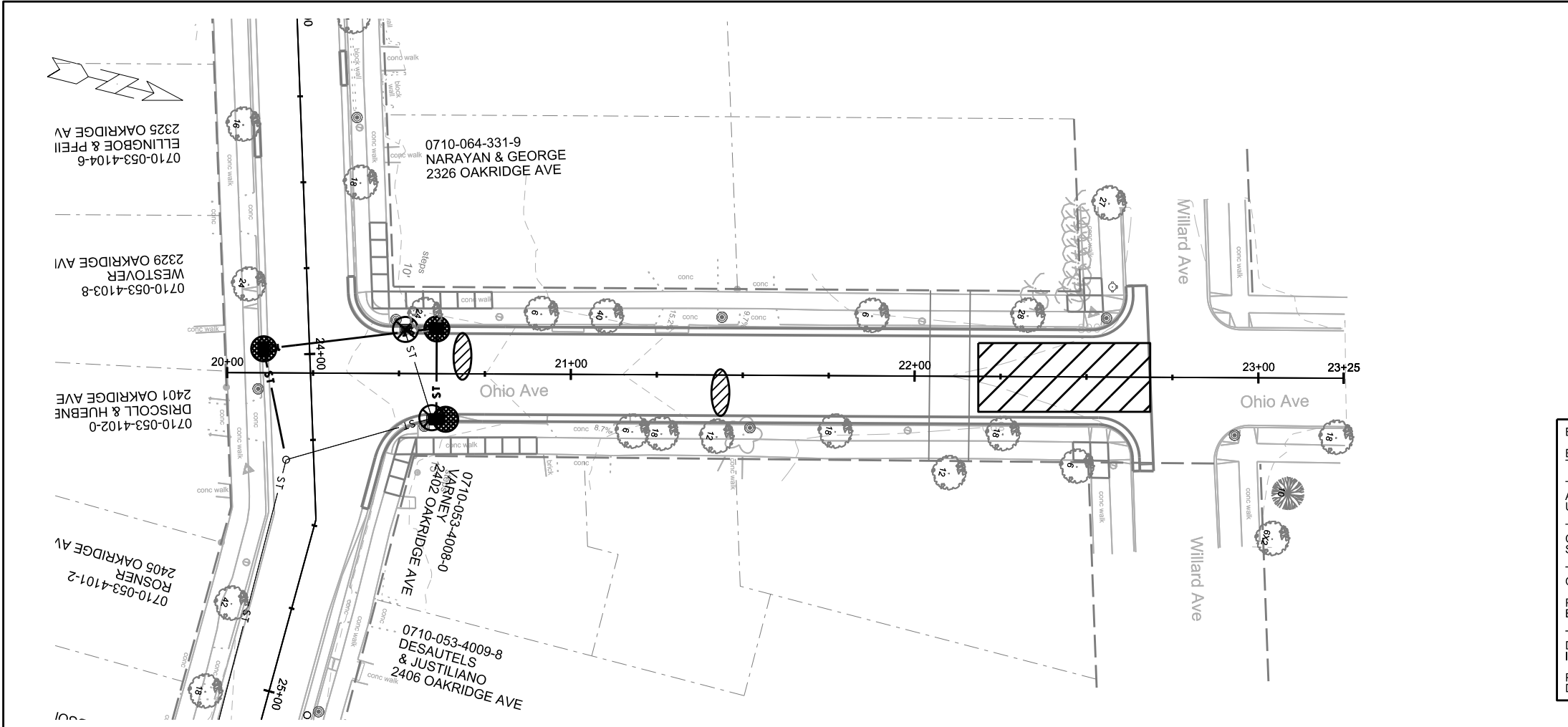







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PLAN AND PROFILE  
OHIO AVE CITY OF MADISON



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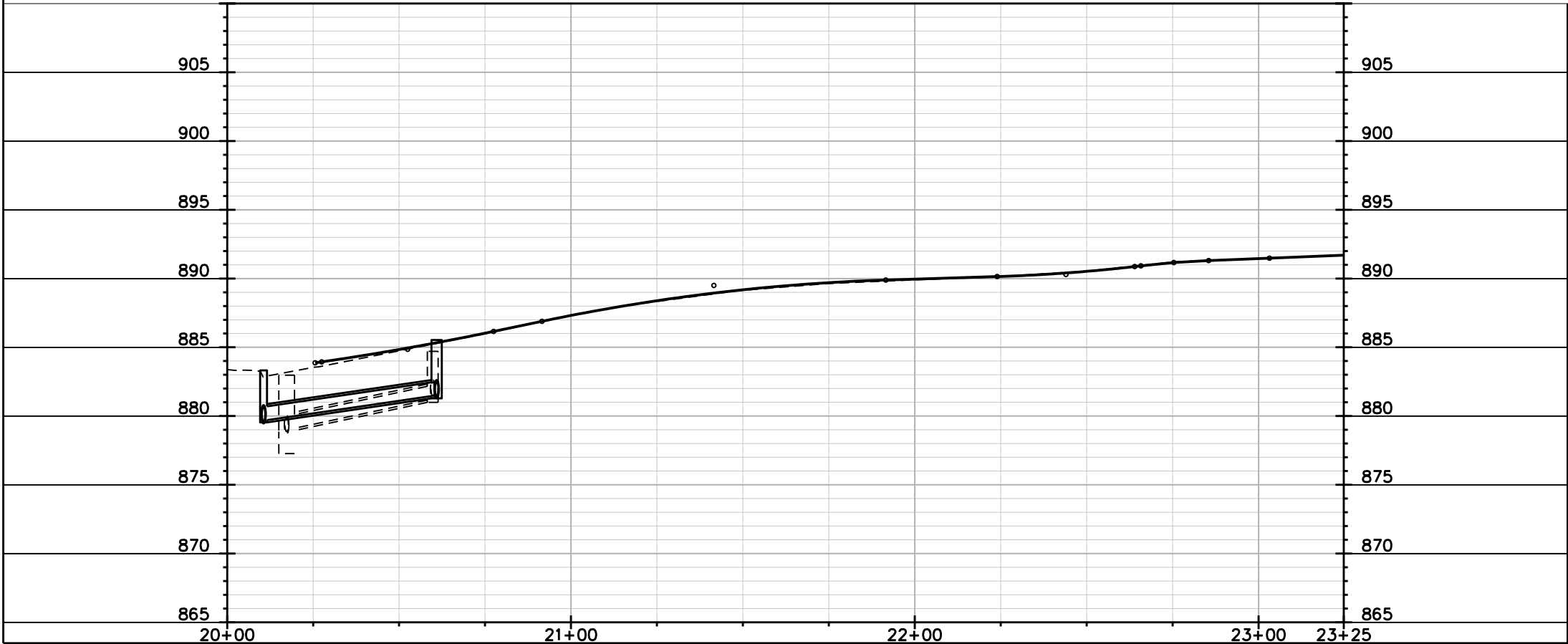
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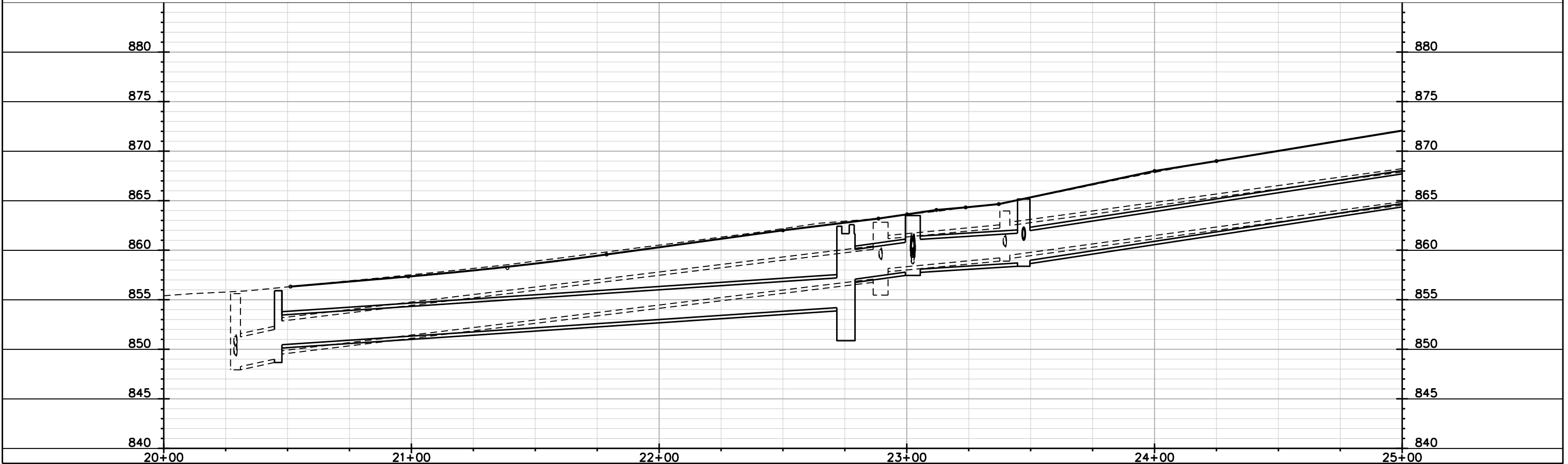
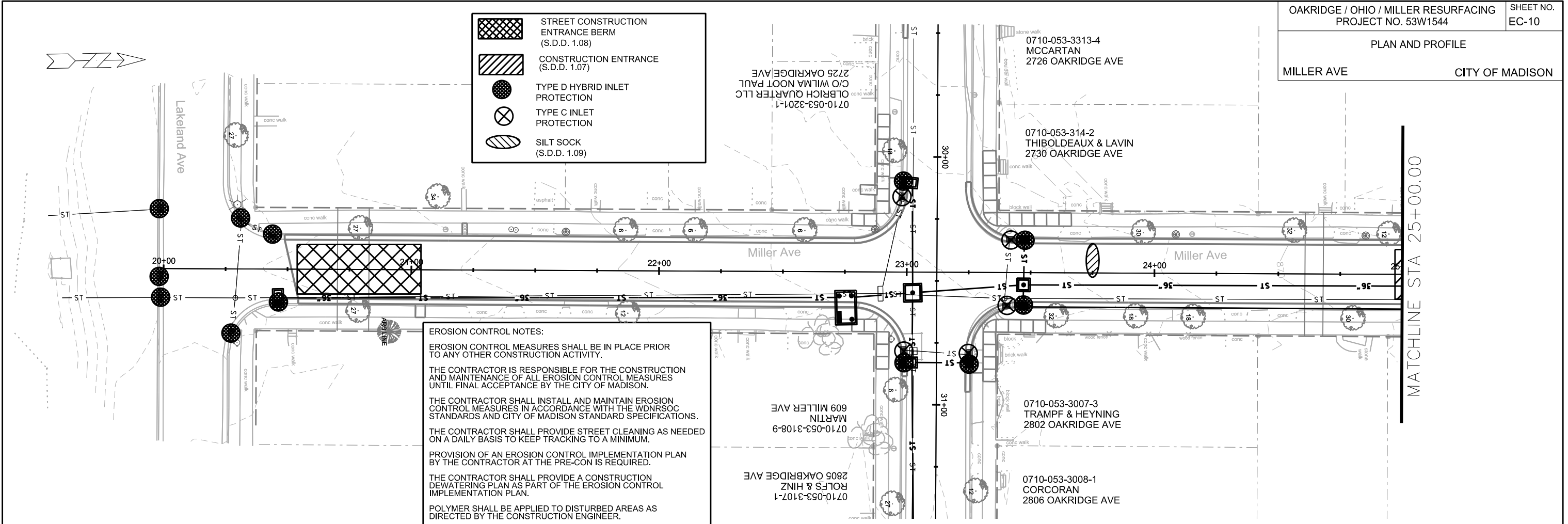
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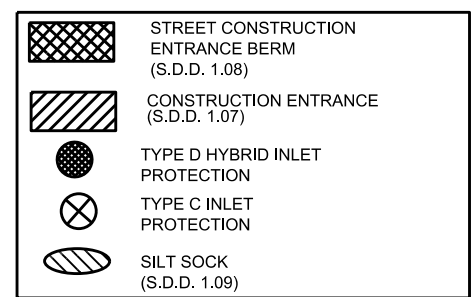
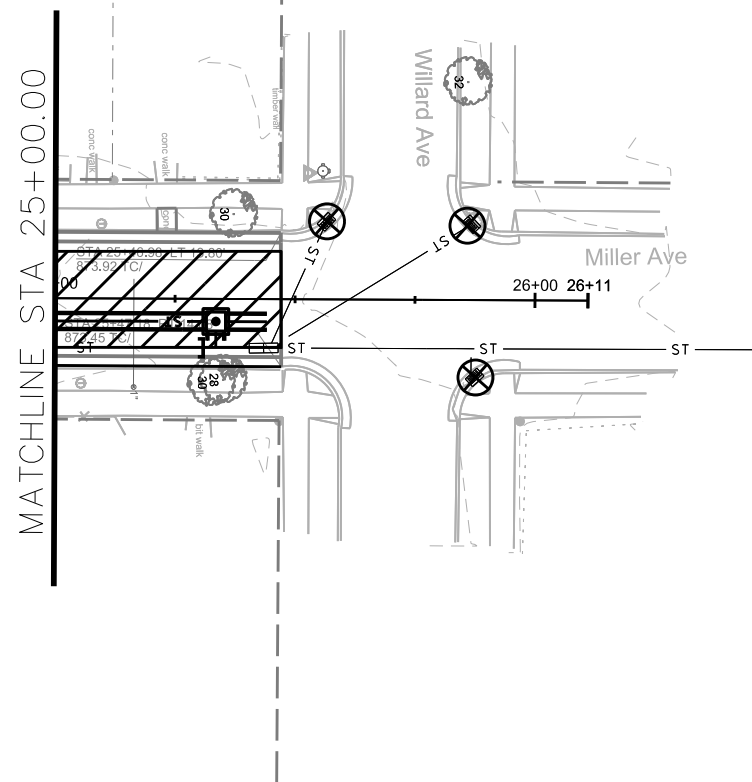
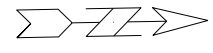


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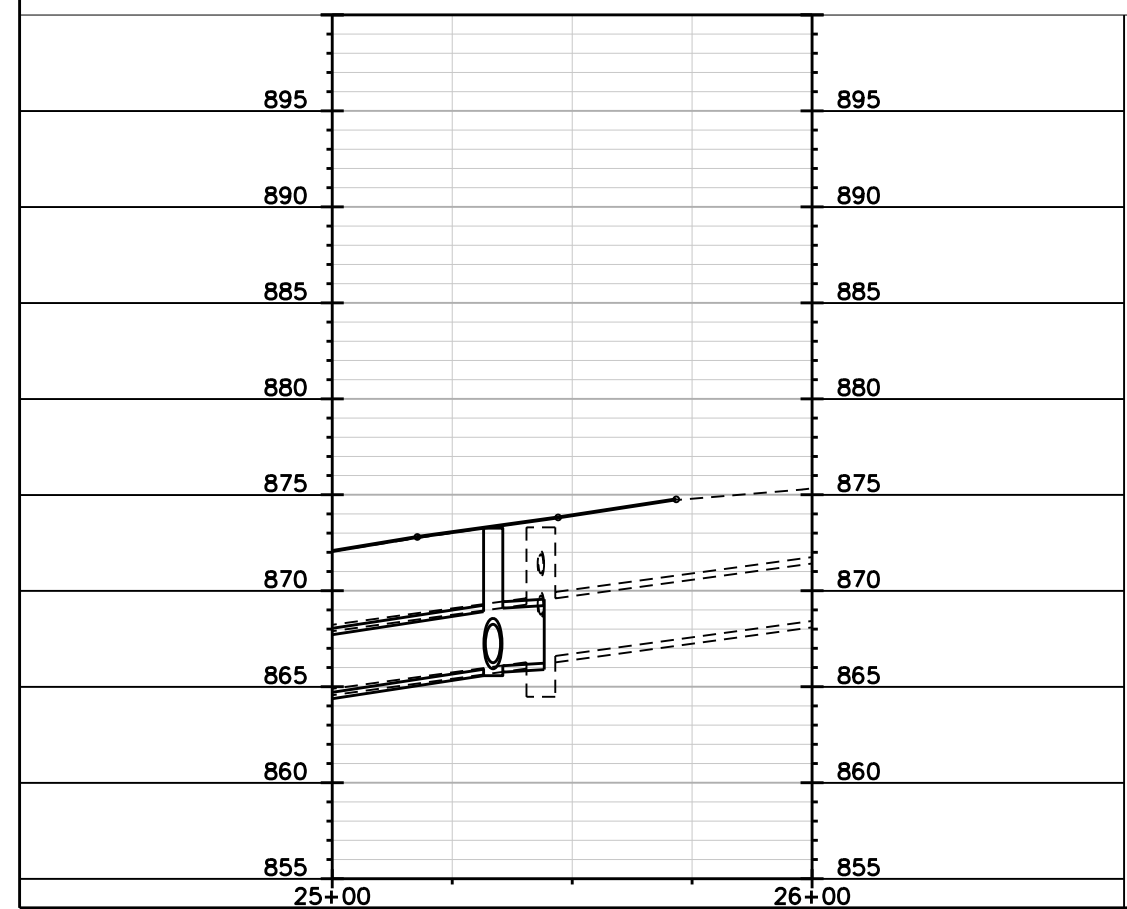
THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION DEWATERING PLAN AS PART OF THE EROSION CONTROL IMPLEMENTATION PLAN.

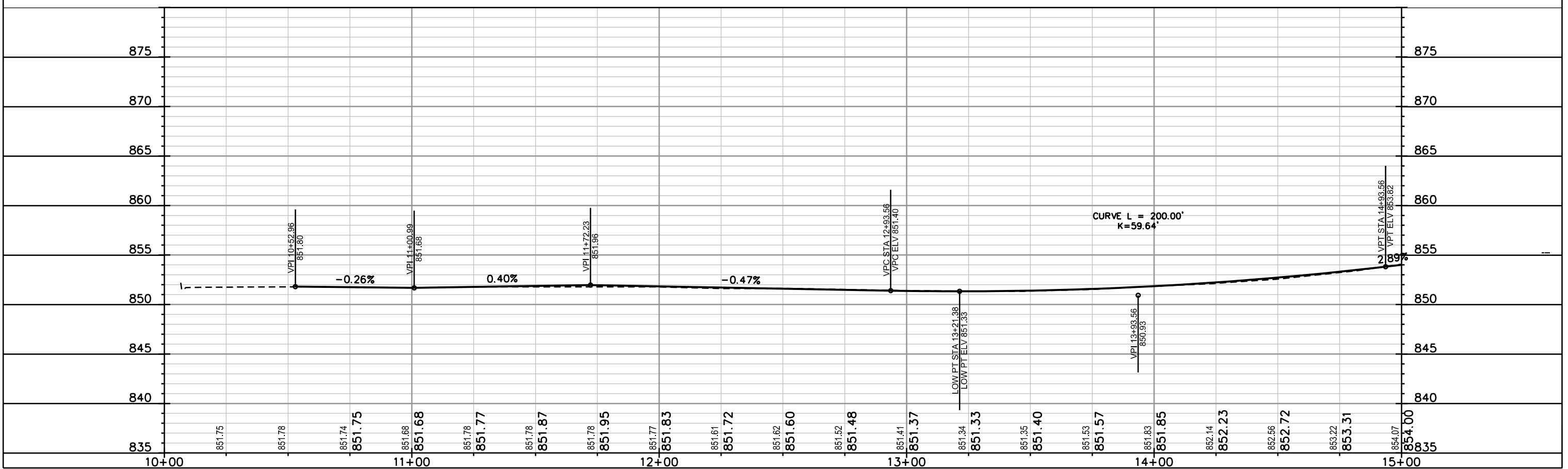
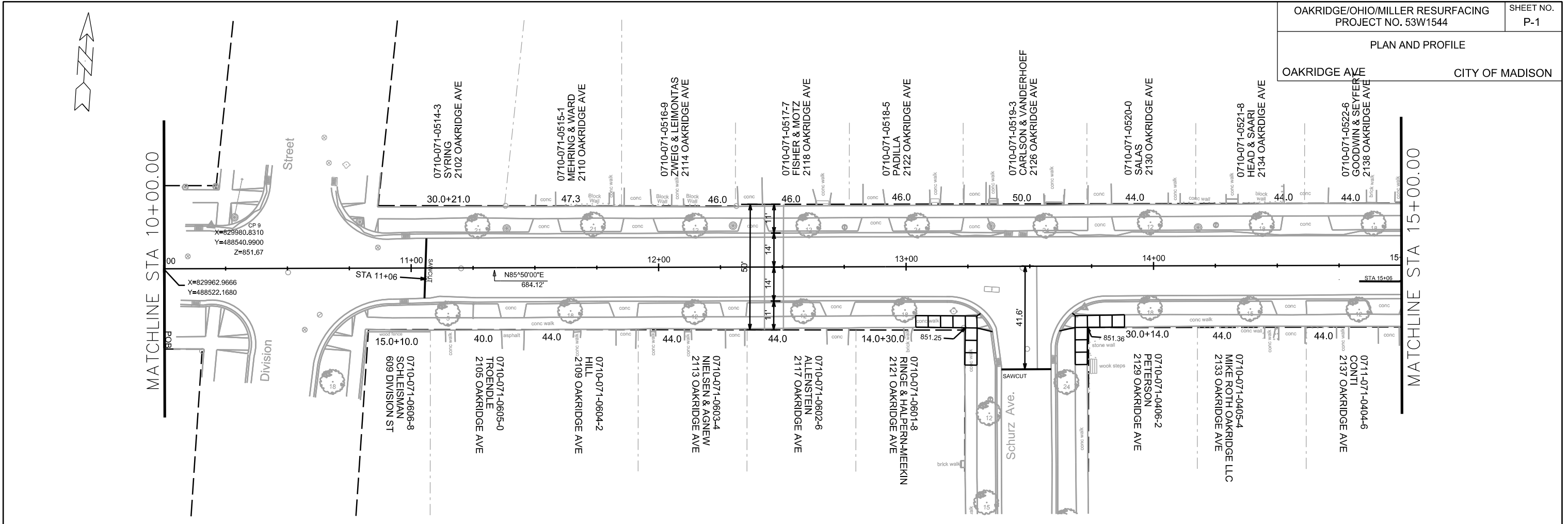
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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

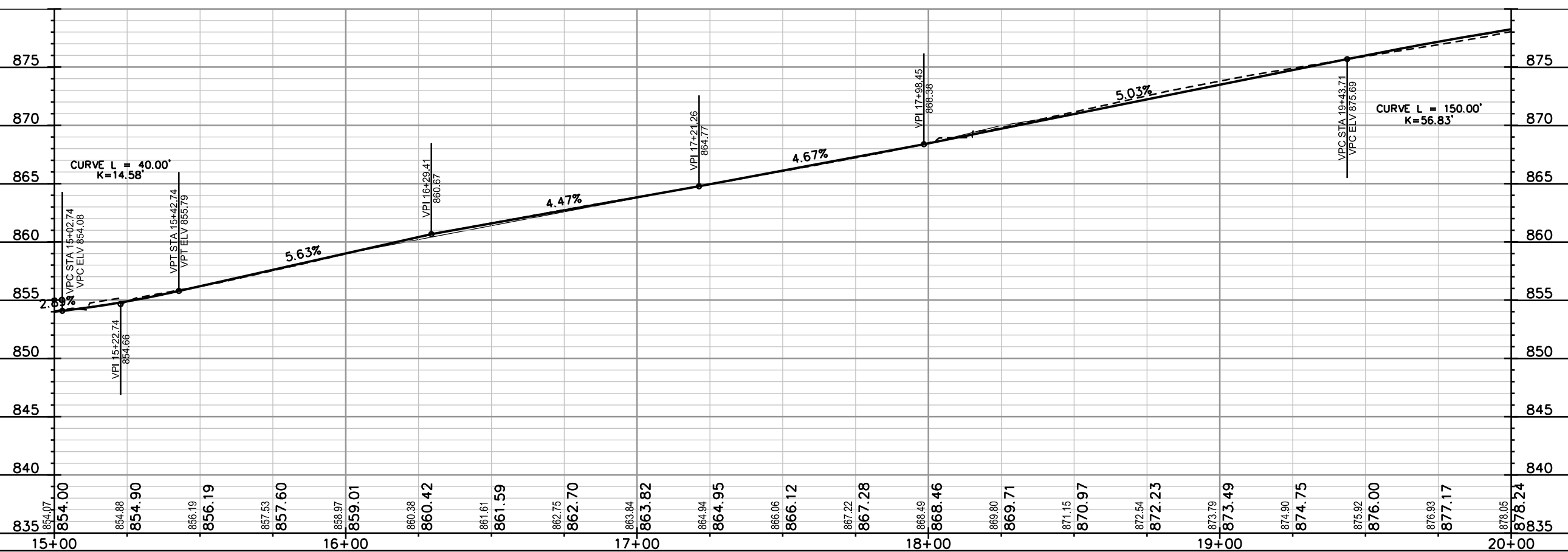
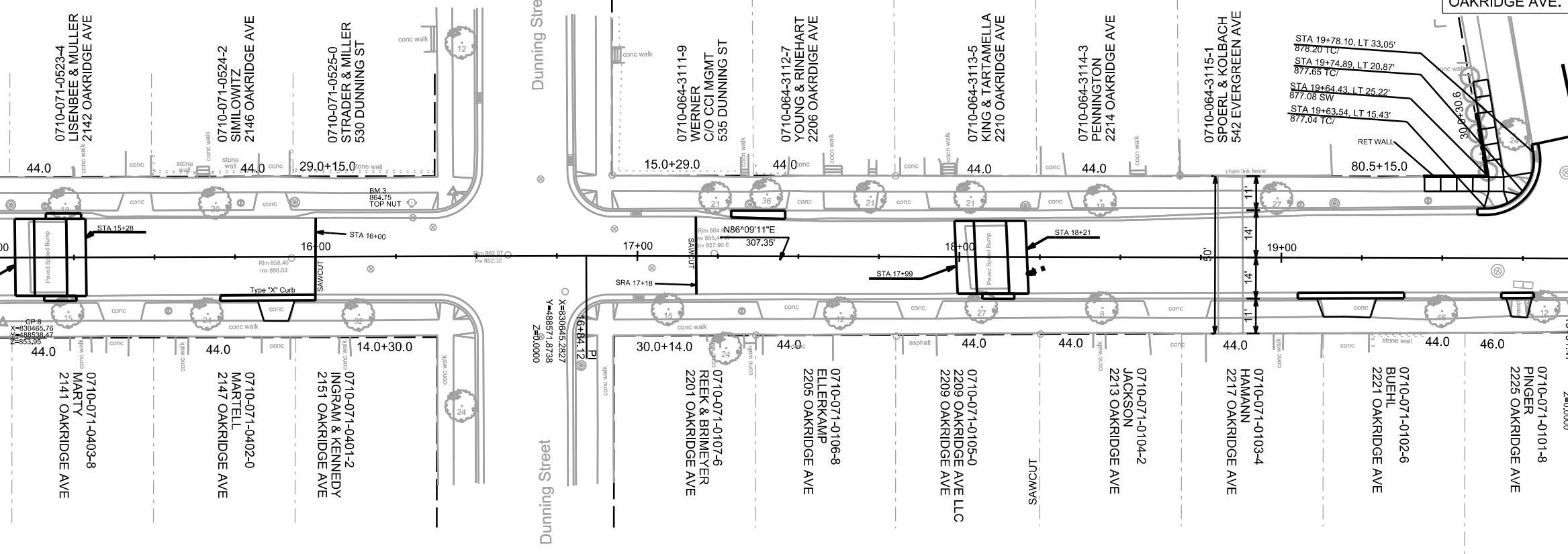
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 15+00.00

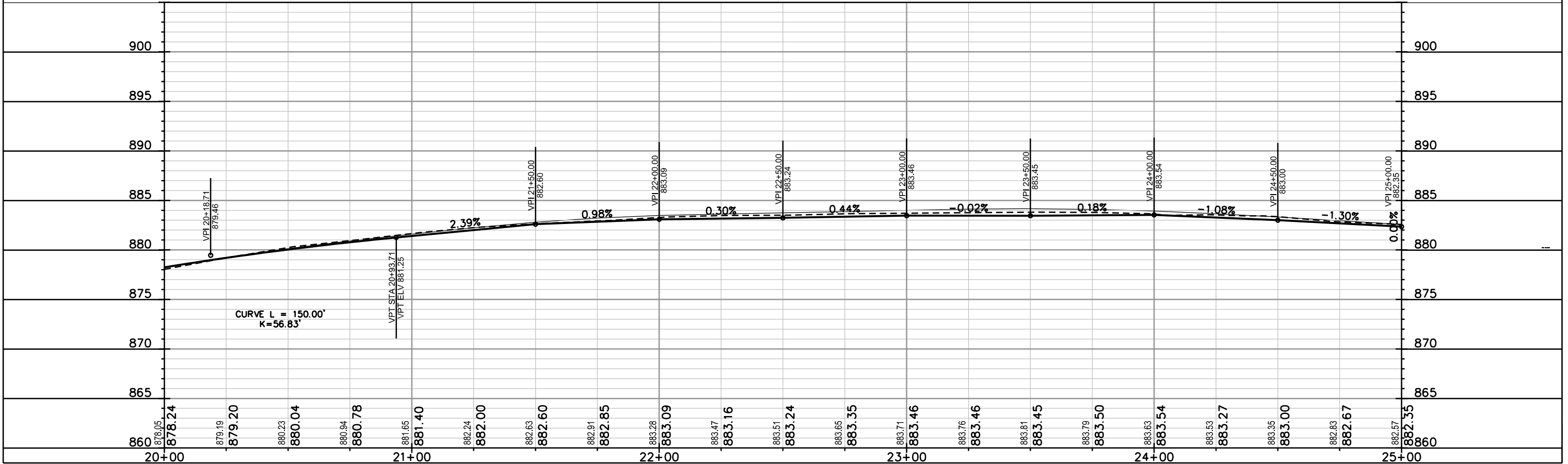
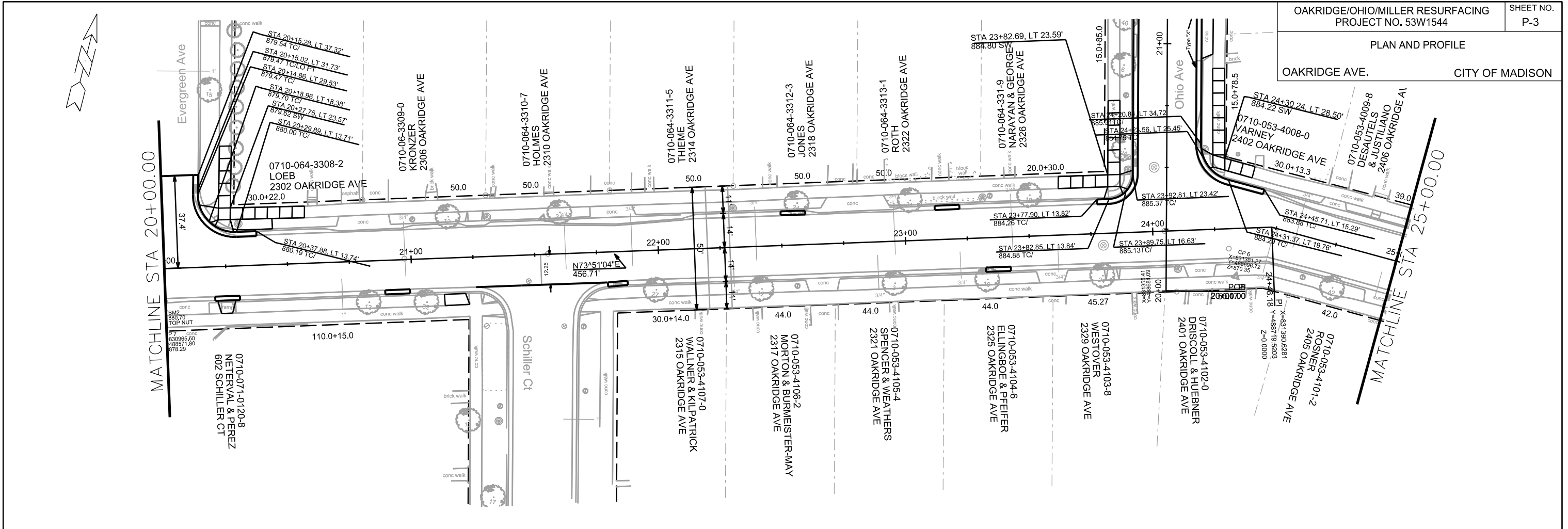
MATCHLINE STA 20+00.00



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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

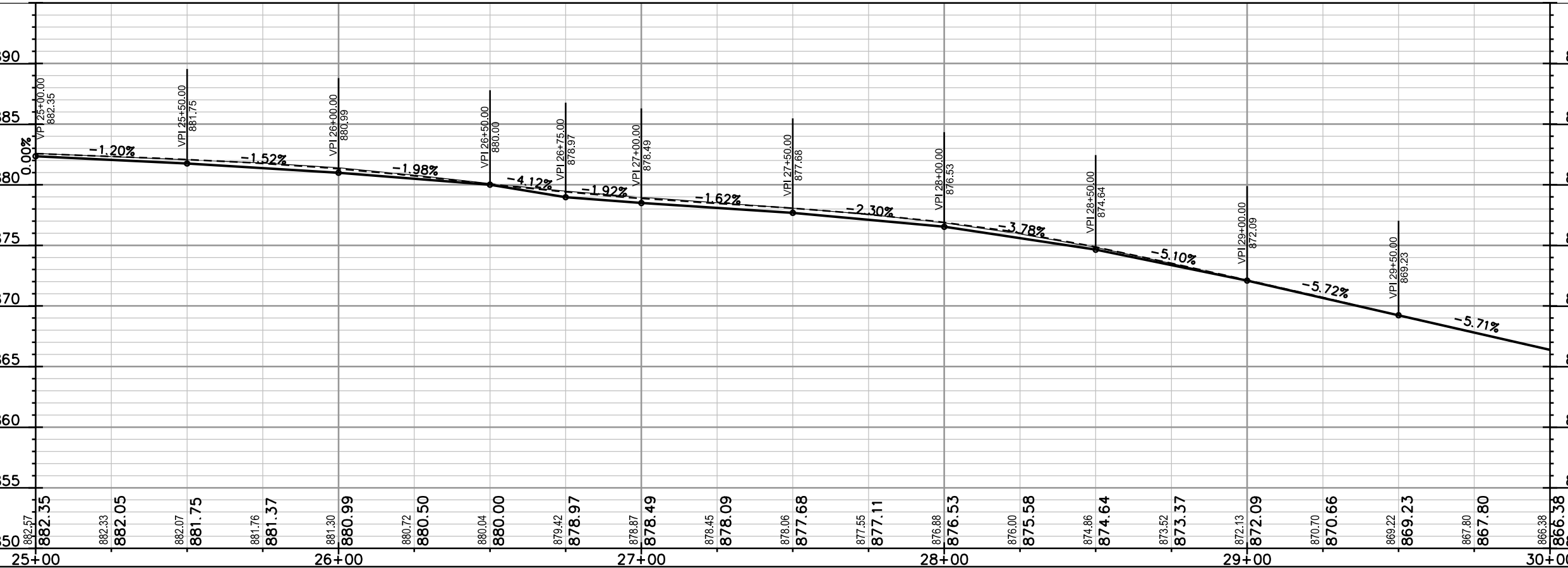
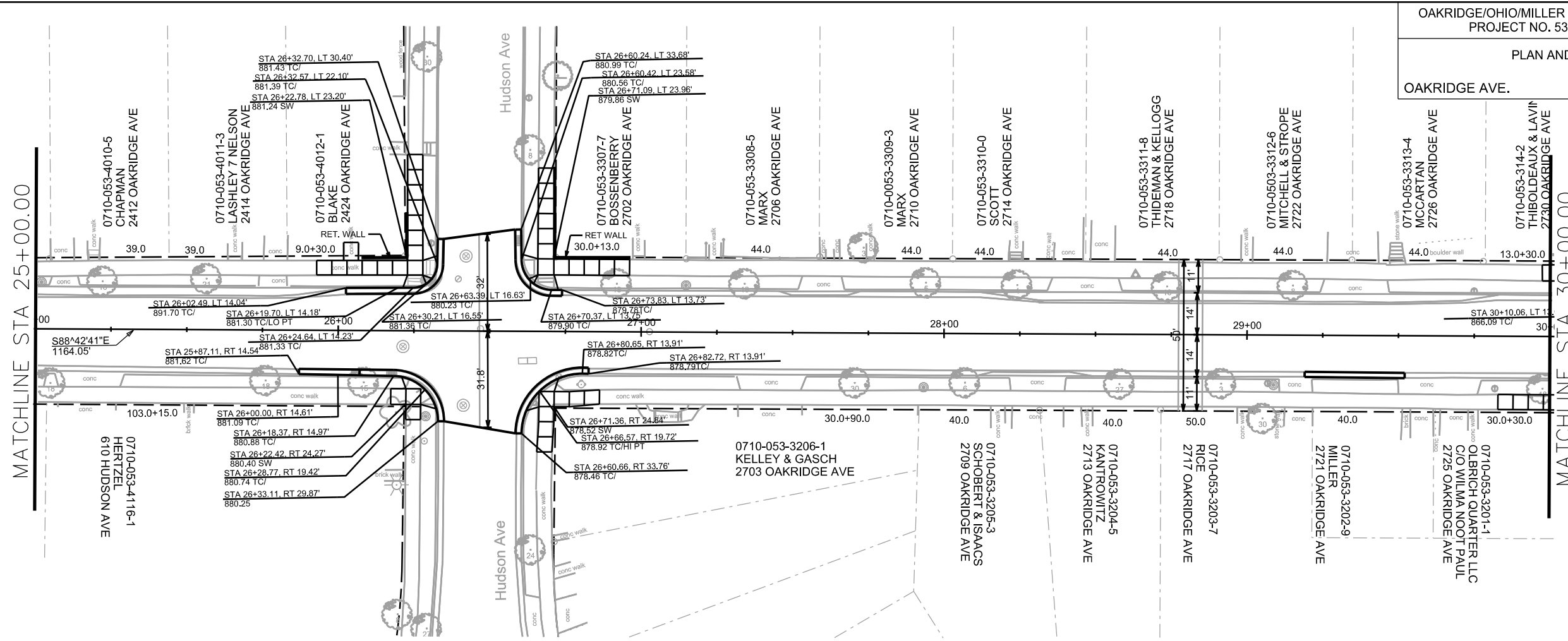
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE  
OAKRIDGE AVE. CITY OF MADISON



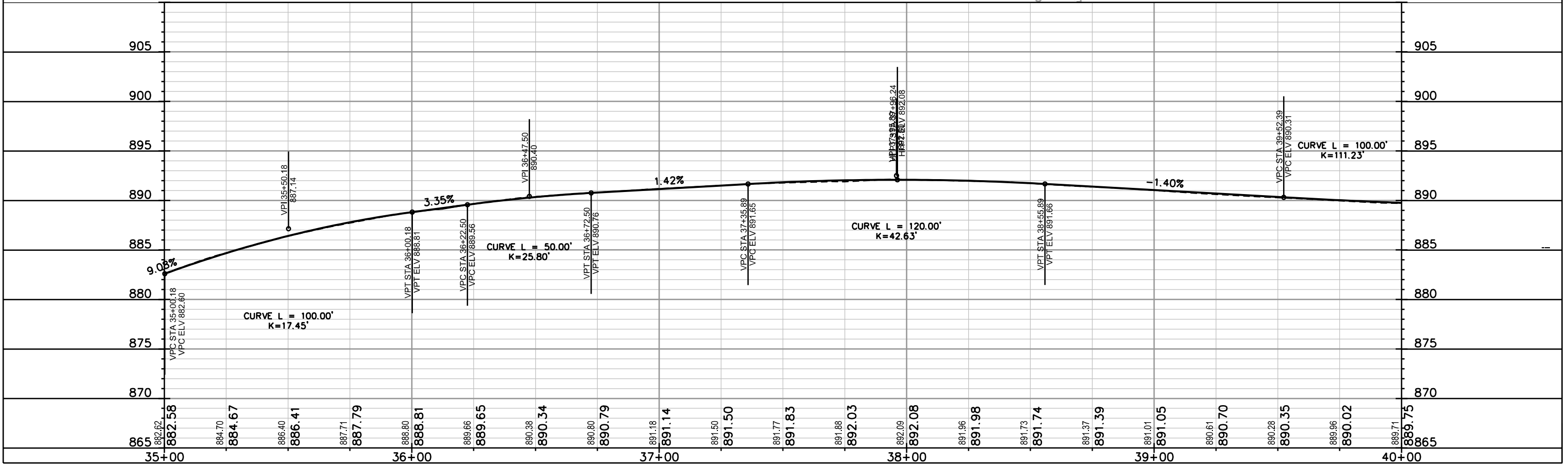
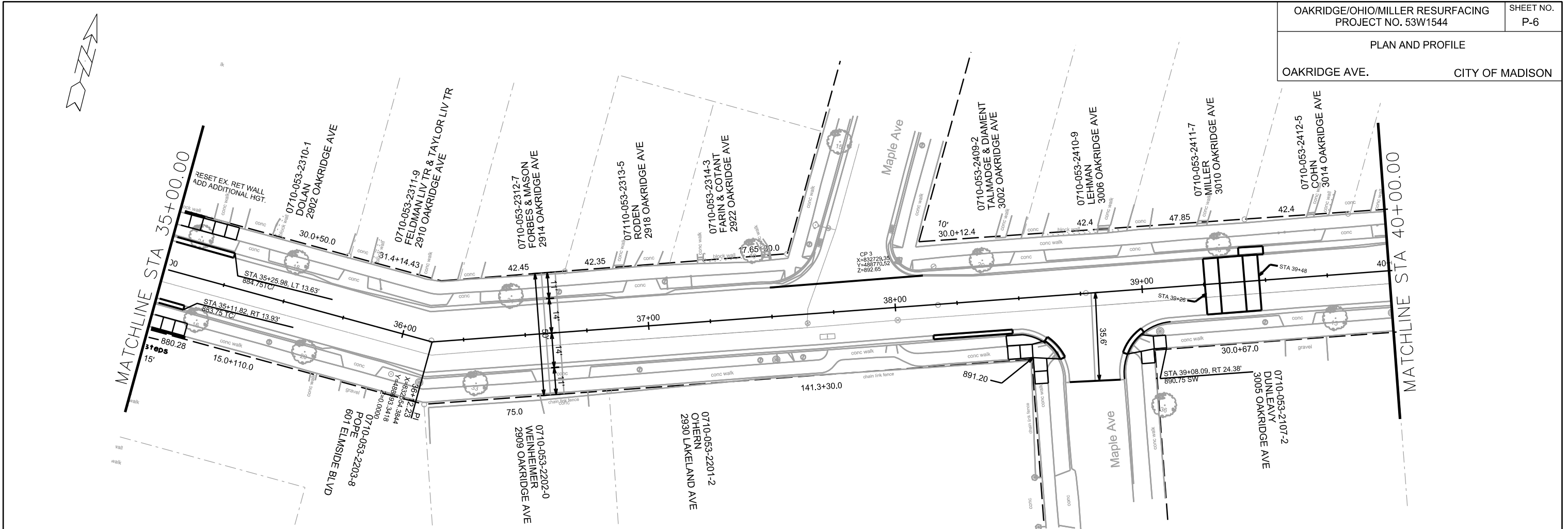
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PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



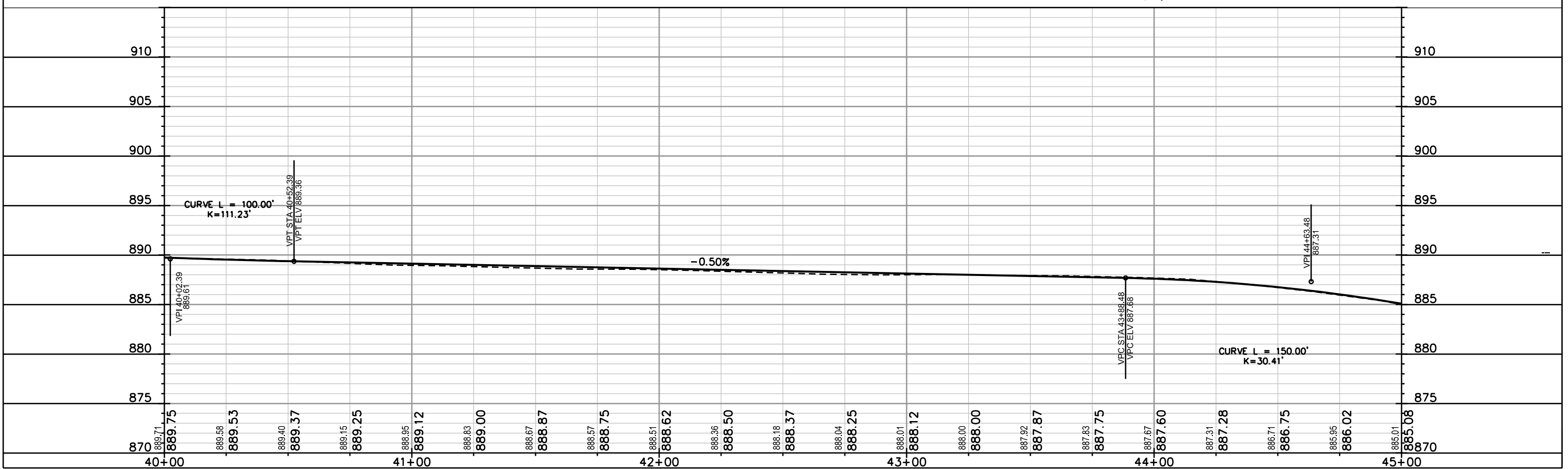
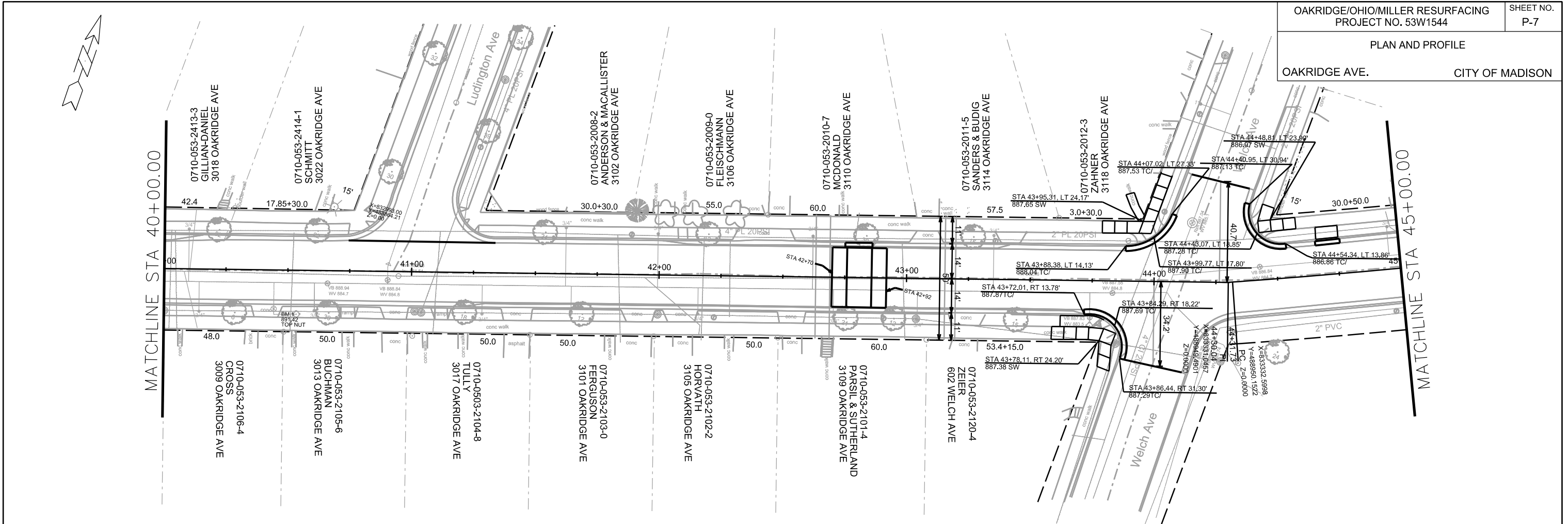


PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

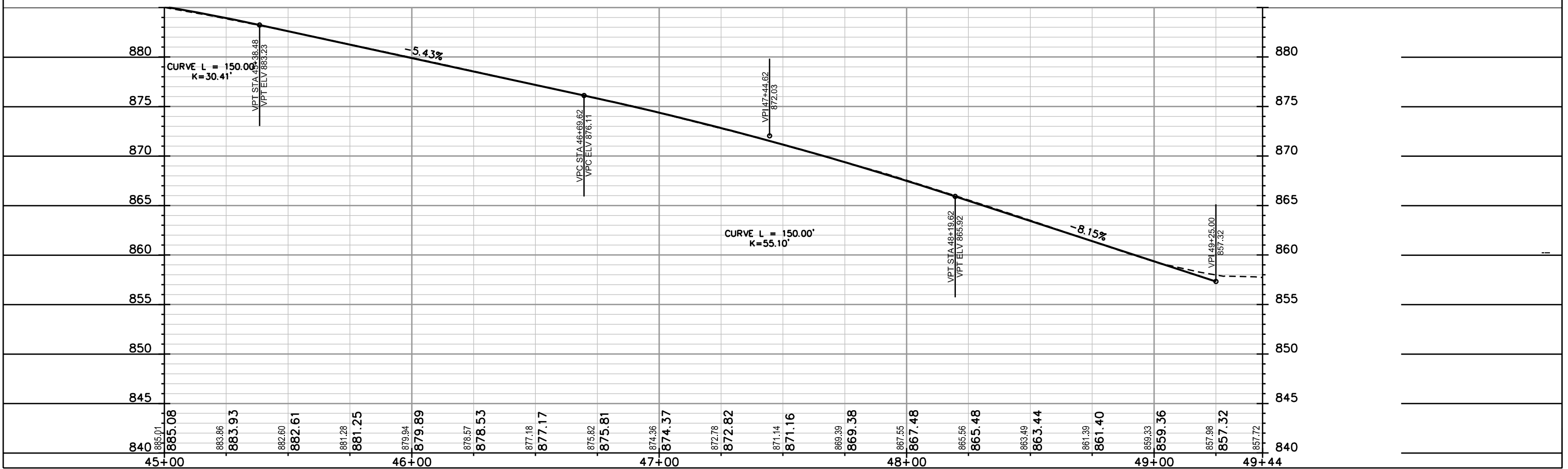
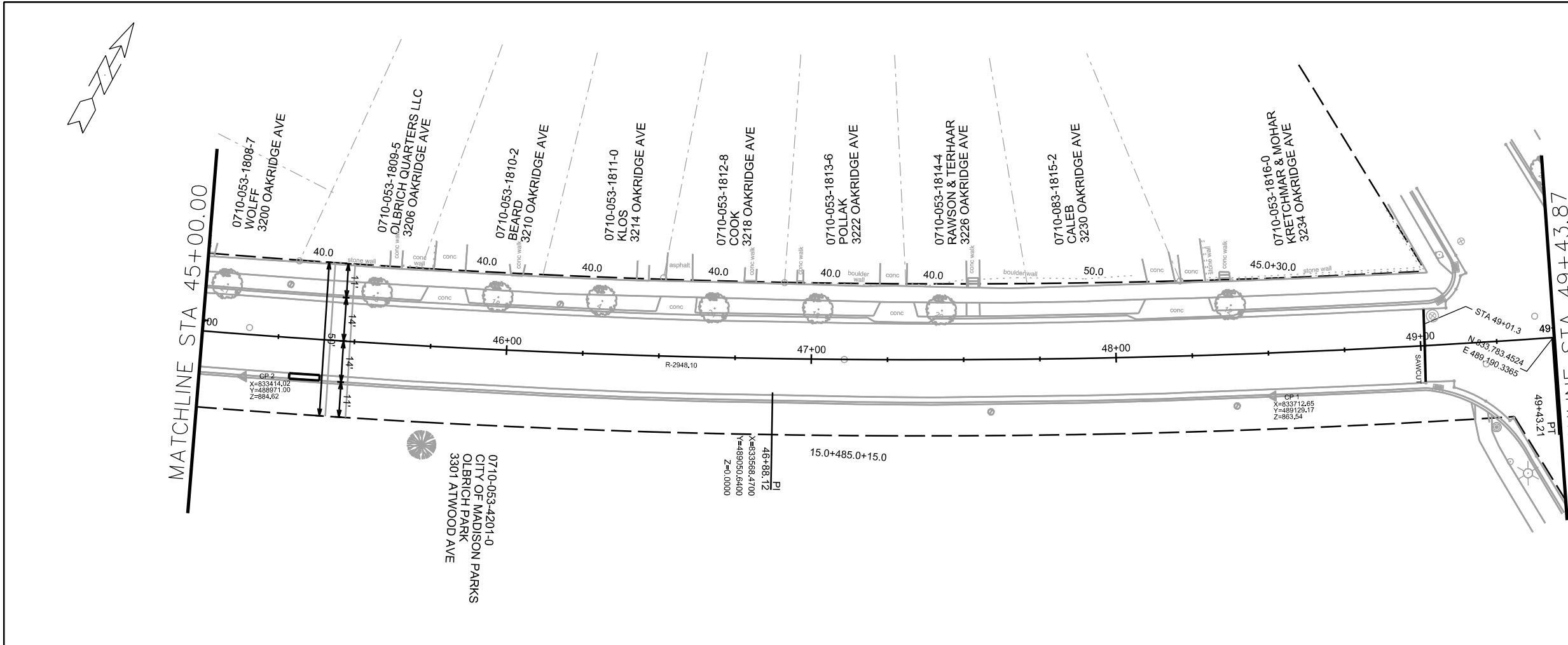


PLOT SCALE: \_\_\_\_\_

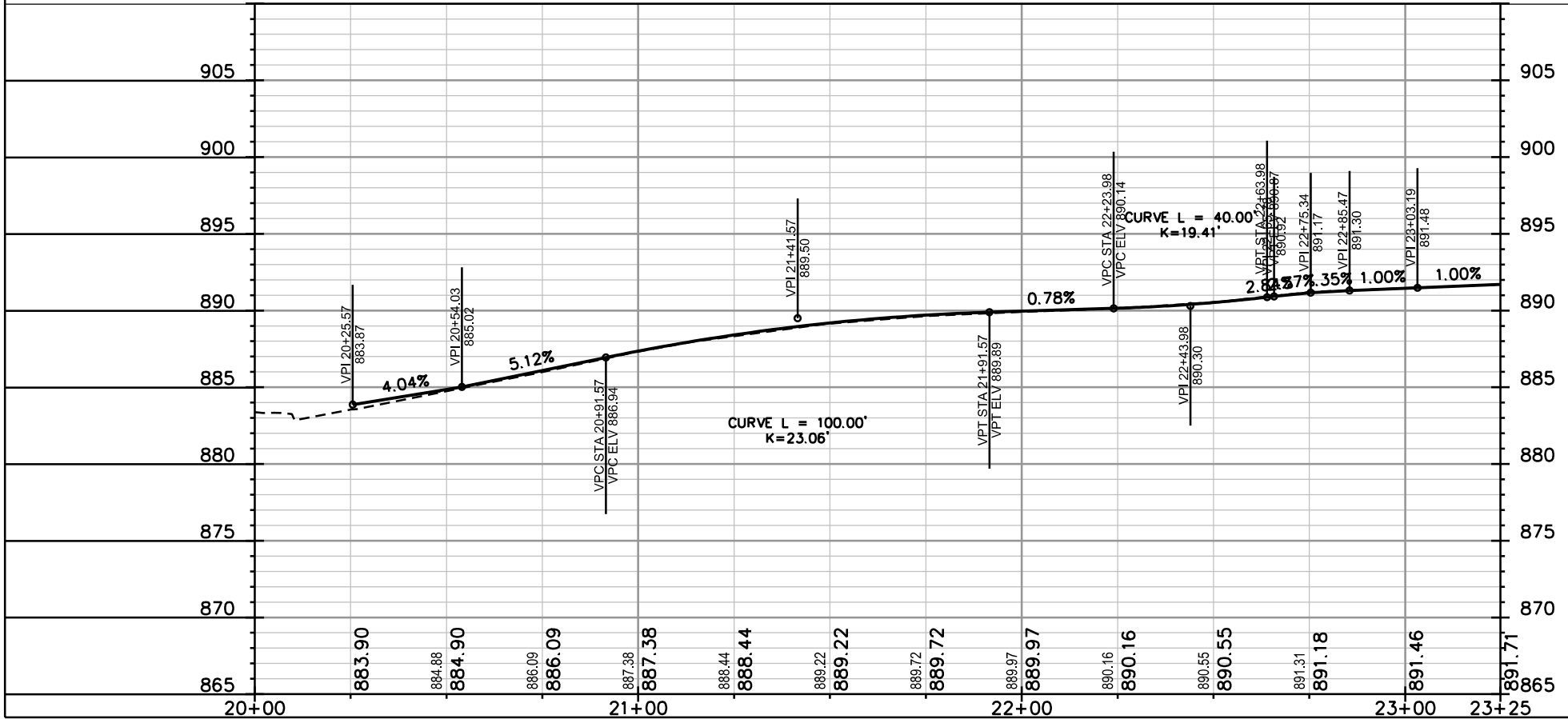
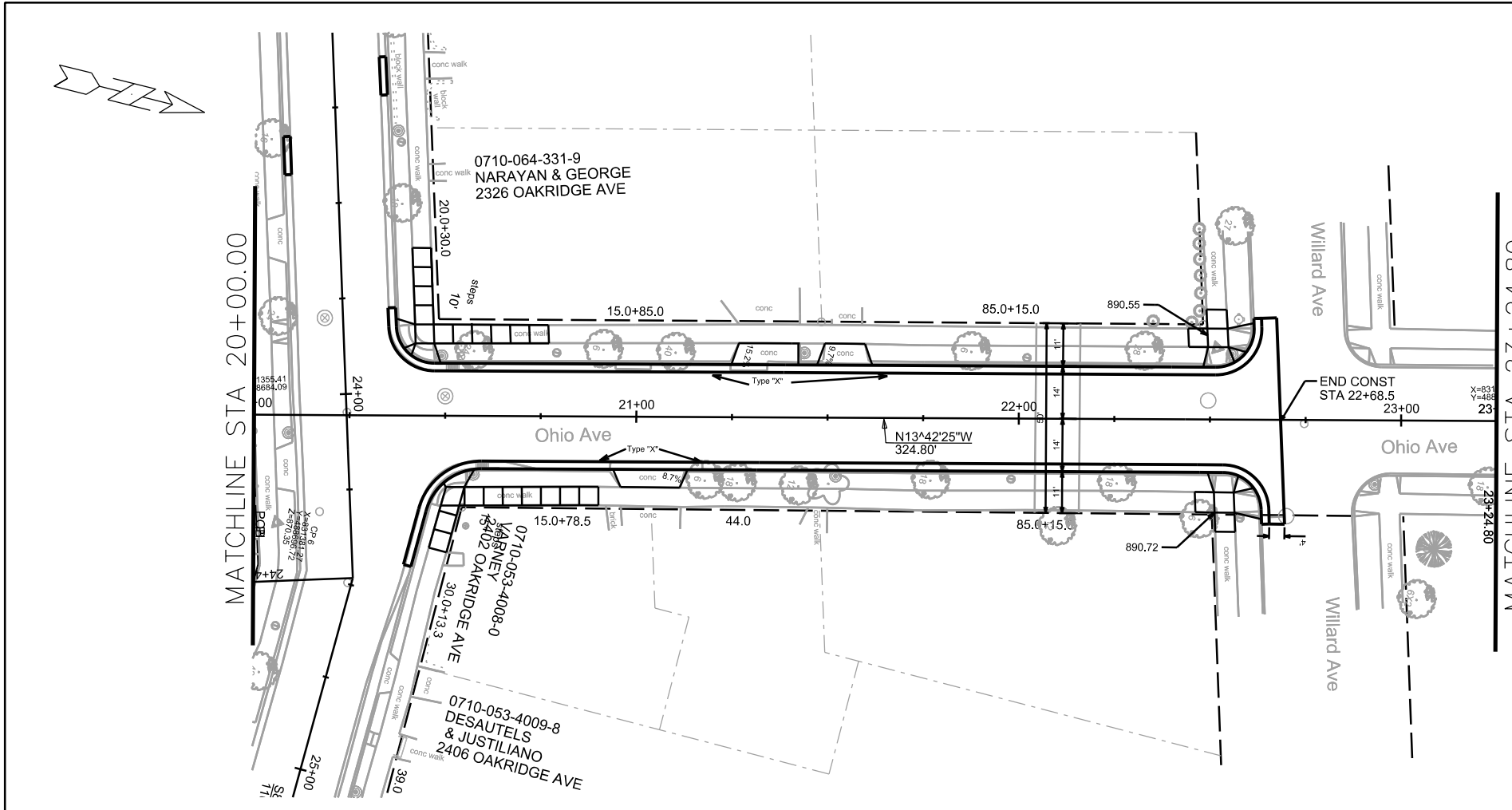
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

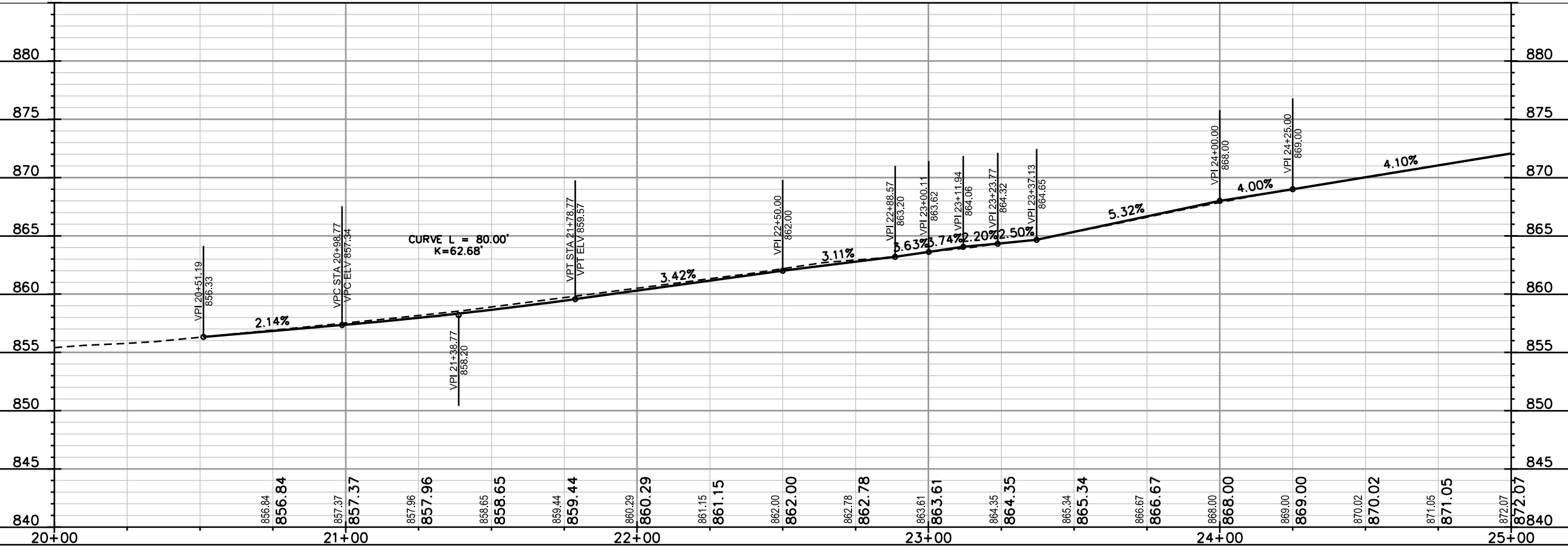
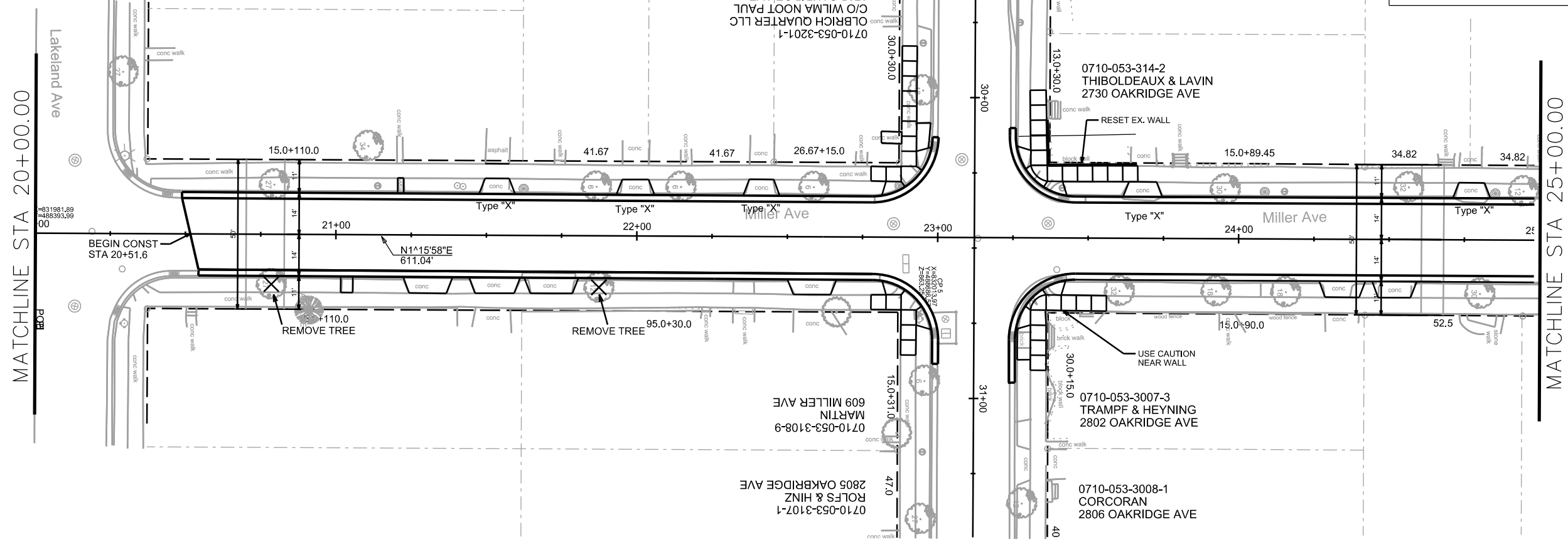


PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

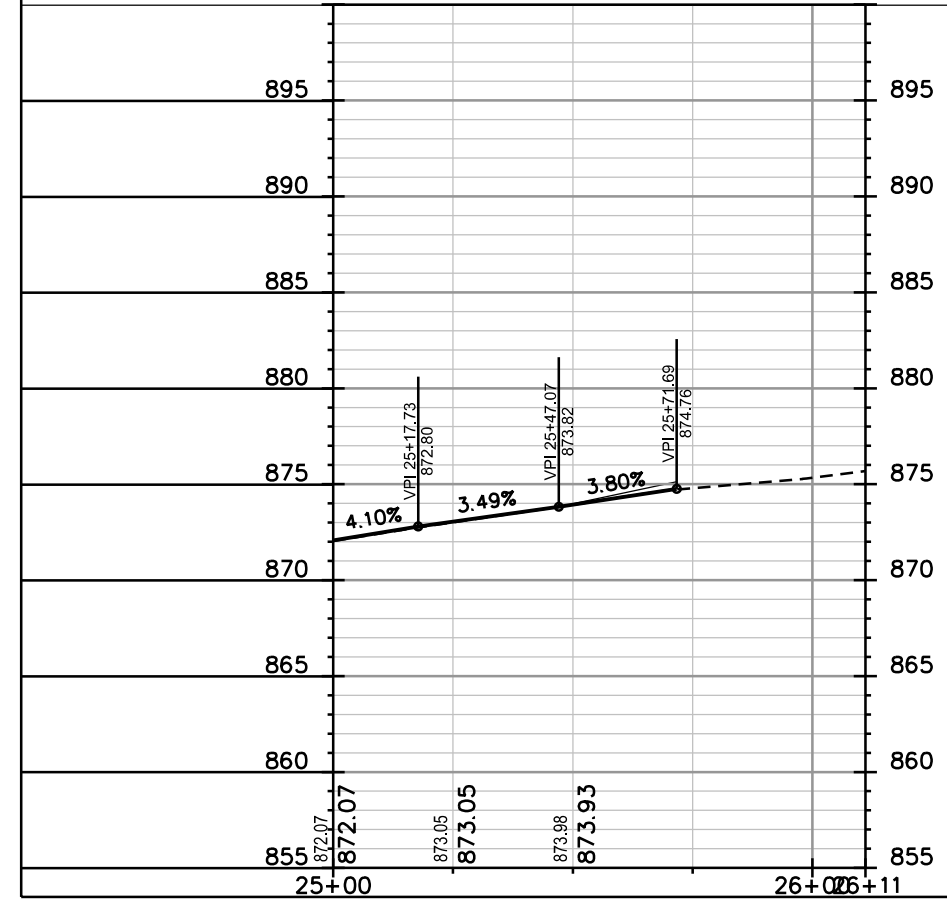
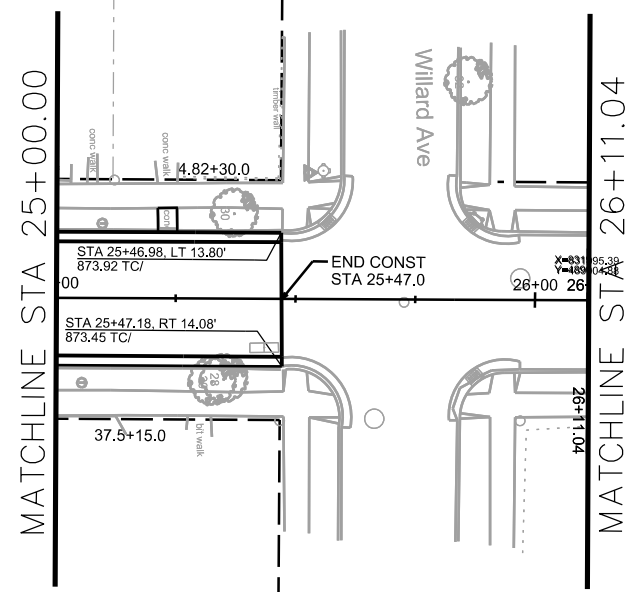


PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



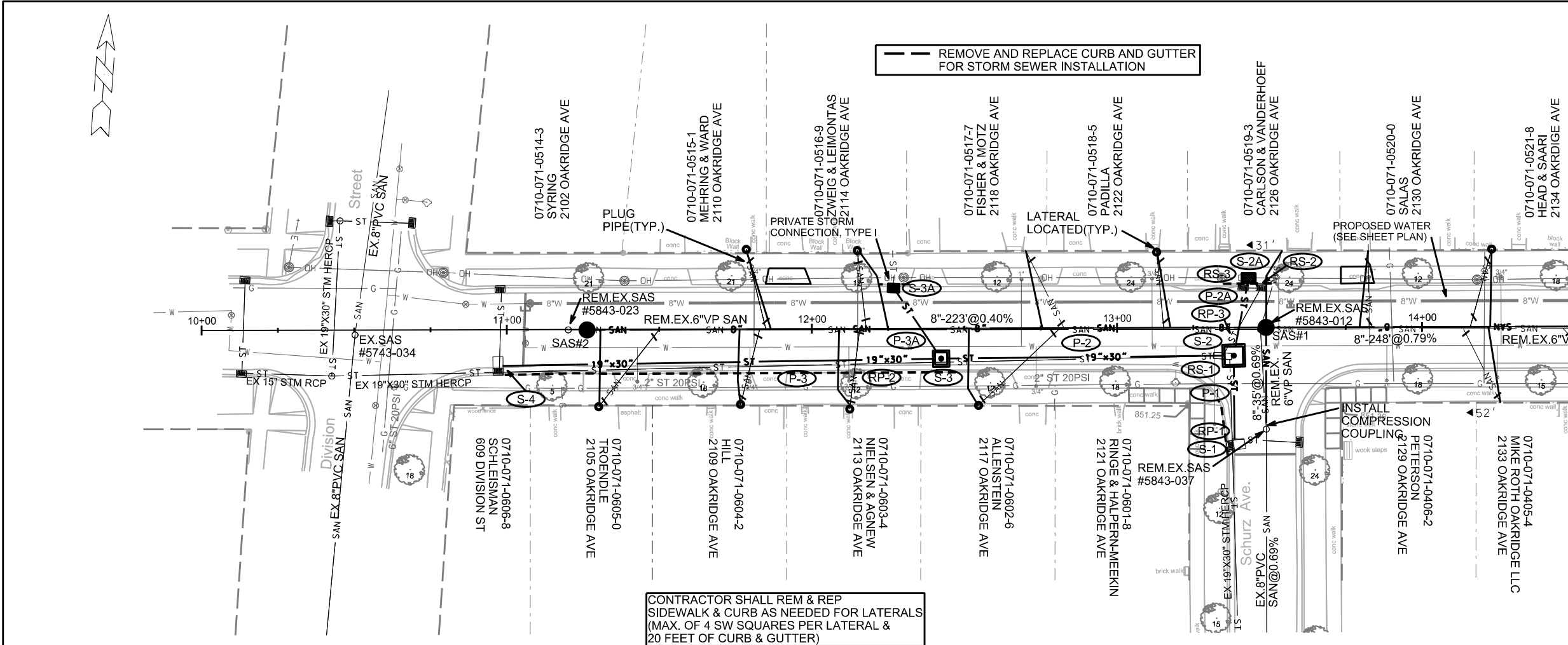
PLOT SCALE: \_\_\_\_\_

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

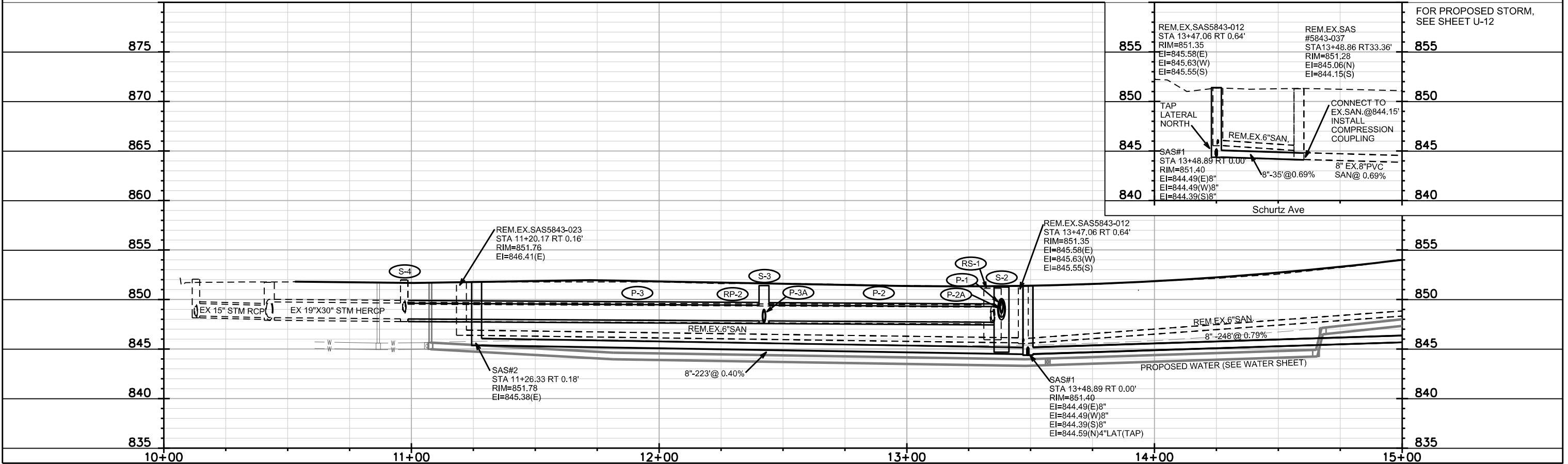
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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

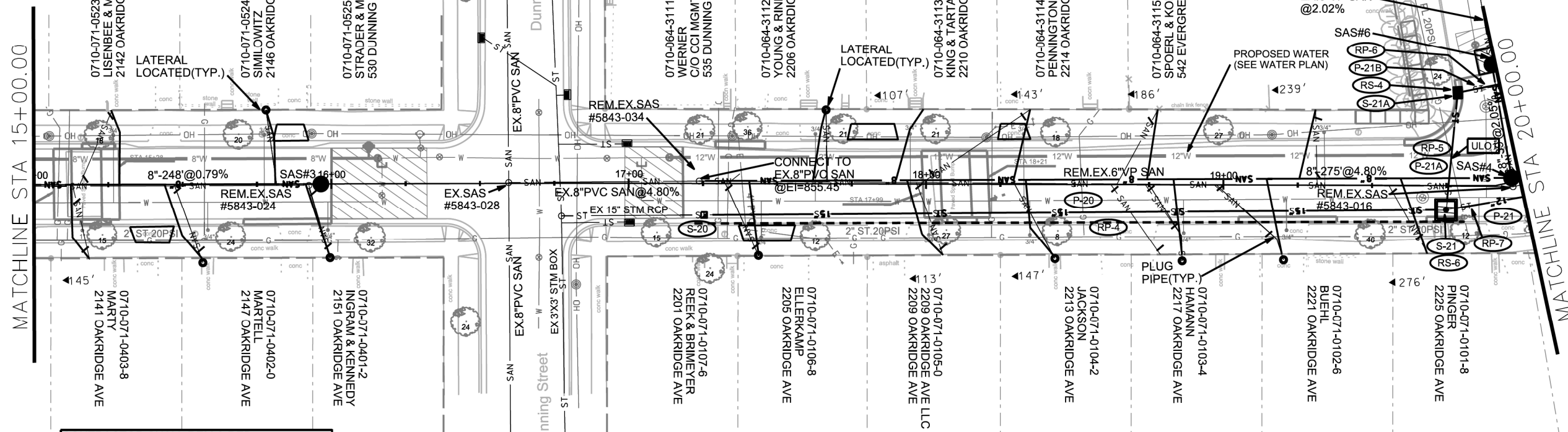


PLOT SCALE: \_\_\_\_\_

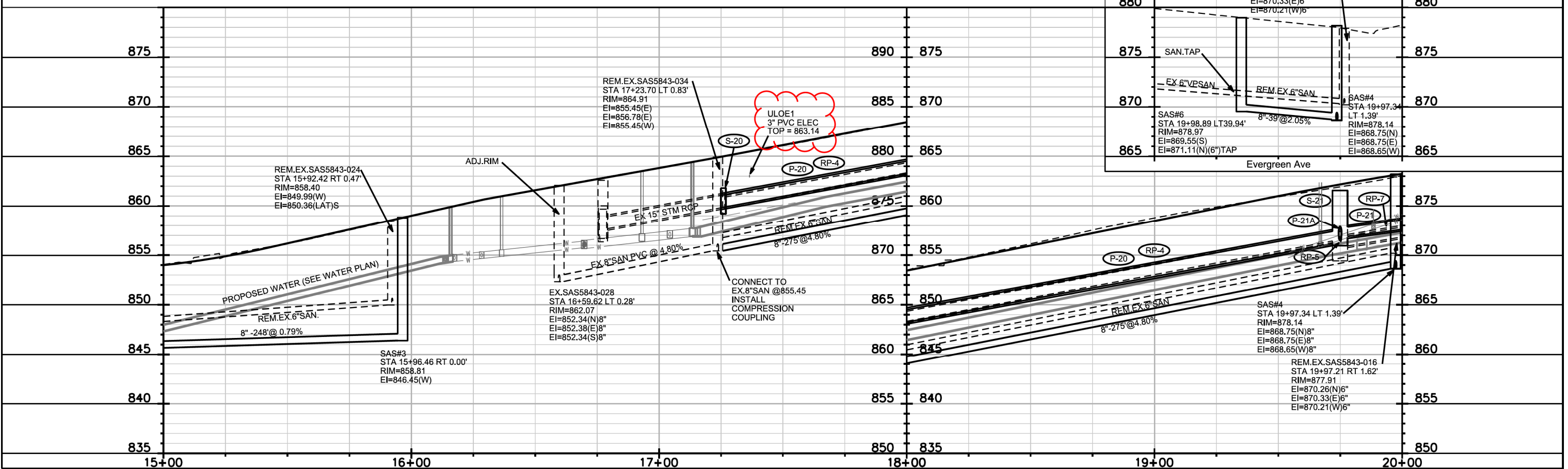
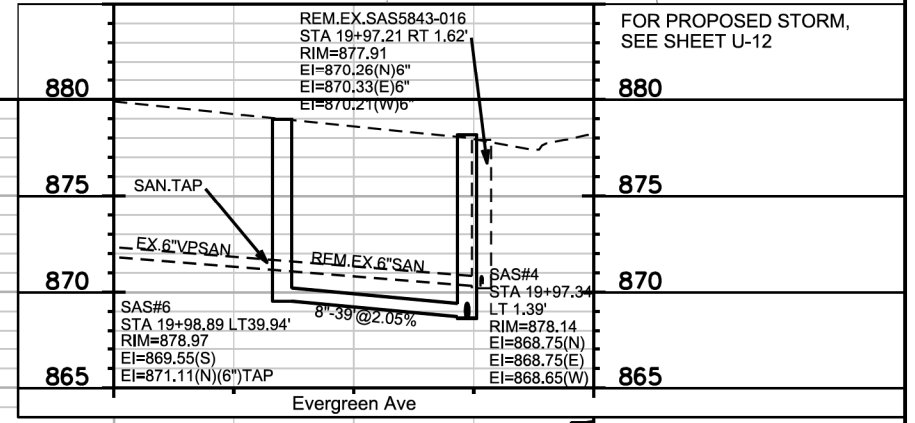
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REMOVE AND REPLACE CURB AND GUTTER FOR STORM SEWER INSTALLATION



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

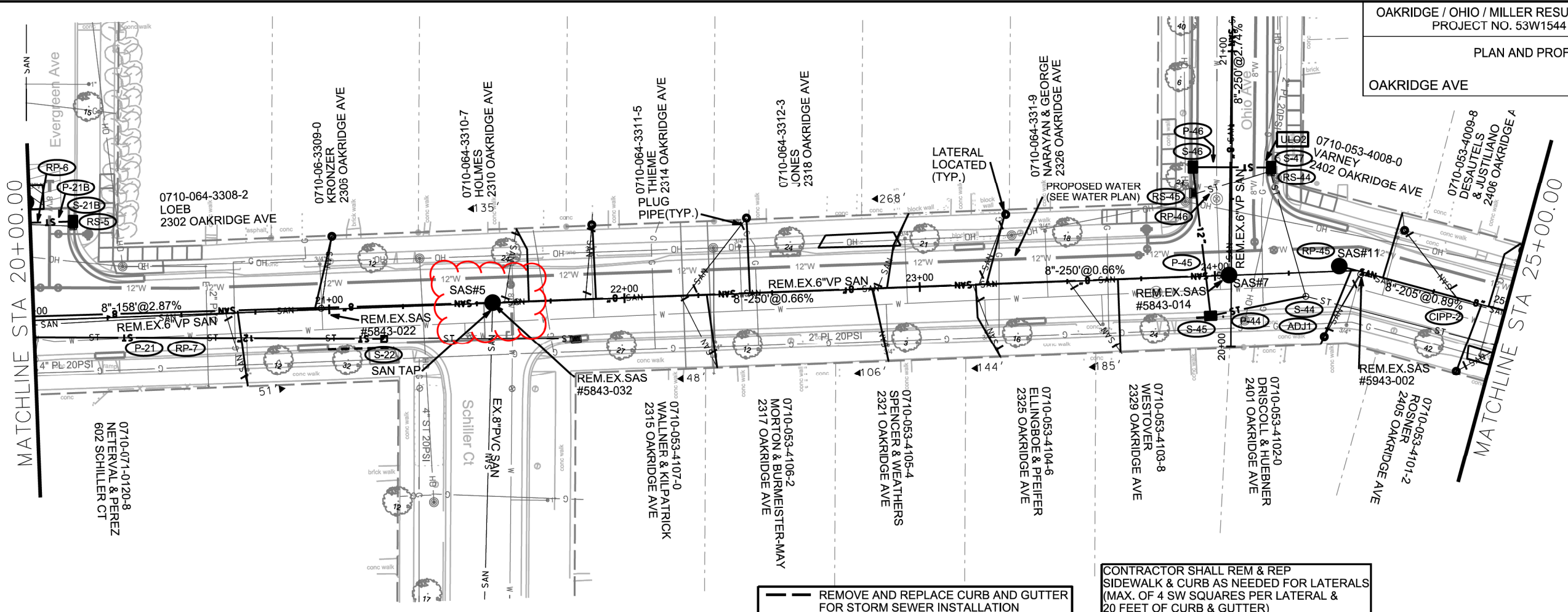


PLOT SCALE: \_\_\_\_\_

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

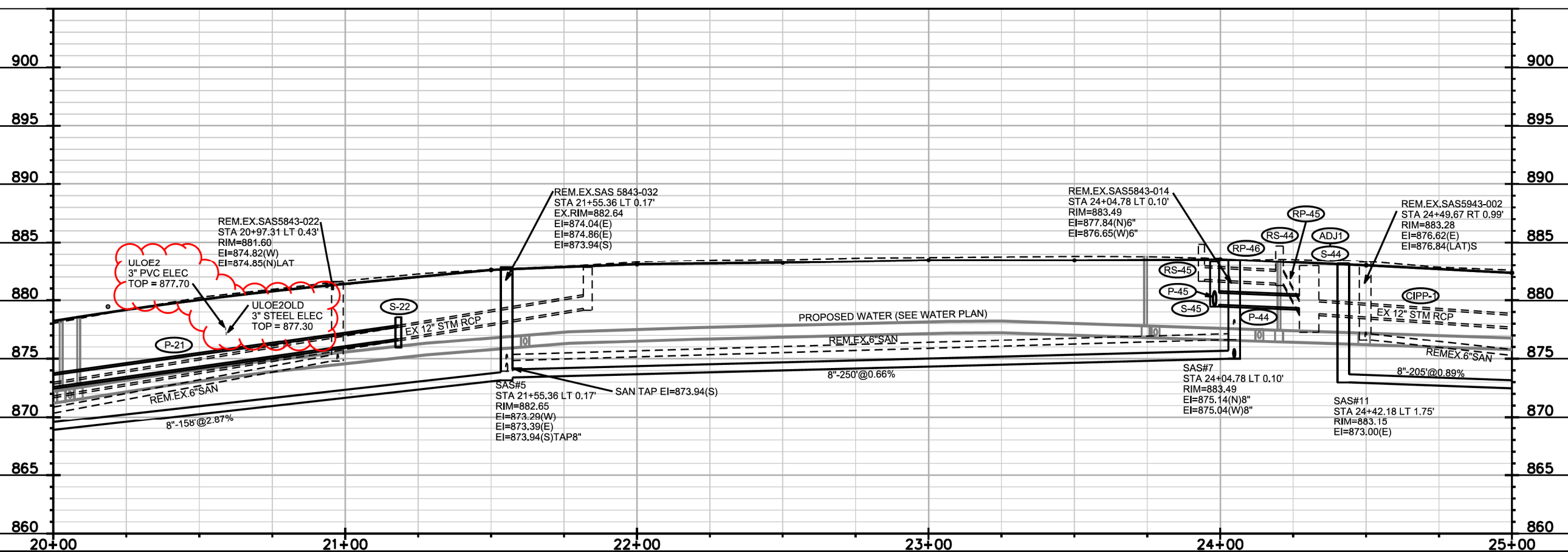
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISED 4/18/2014 KDF  
REVISED 4/18/2014 MDL  
(SAS #5 MOVED)



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

--- REMOVE AND REPLACE CURB AND GUTTER FOR STORM SEWER INSTALLATION



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

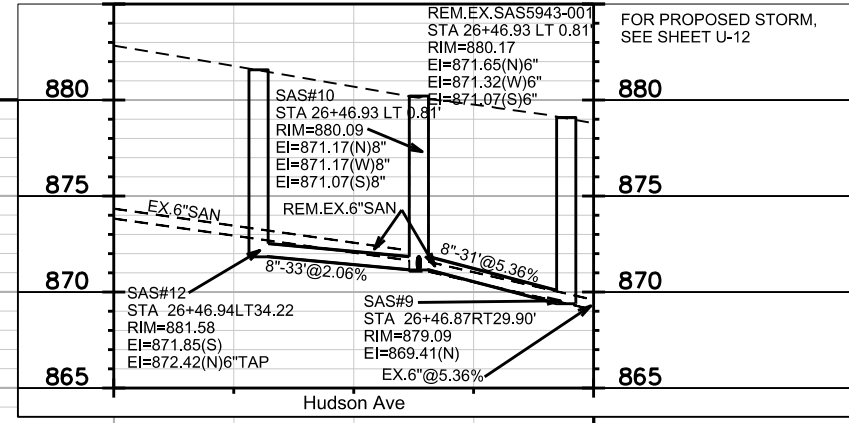
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

MATCHLINE STA 25+00.00

MATCHLINE STA 30+00.00

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

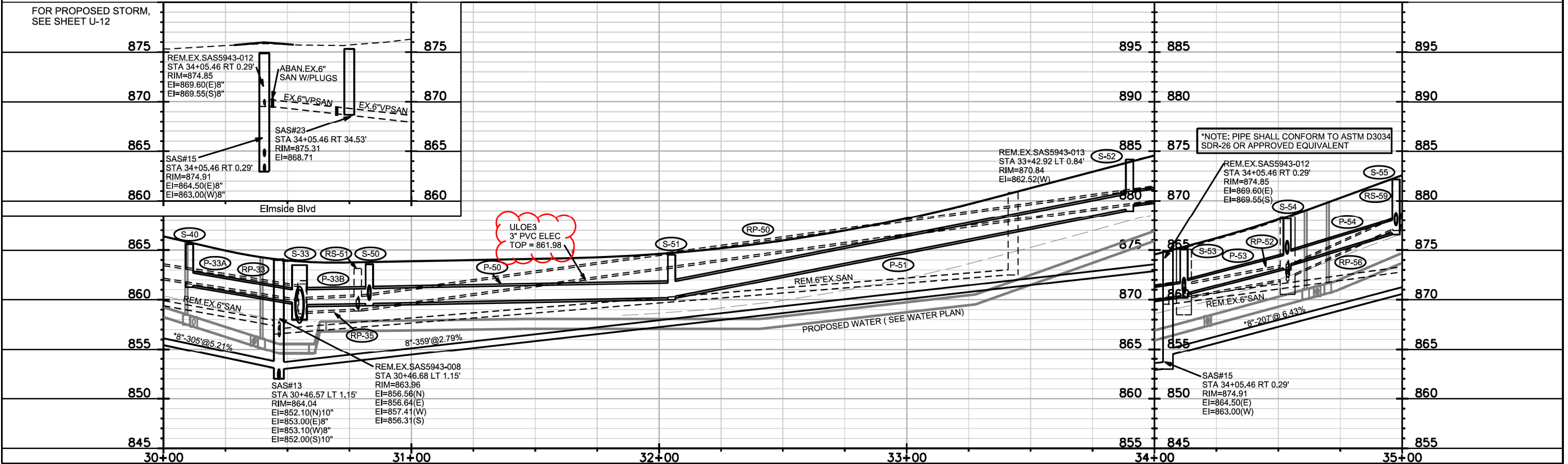
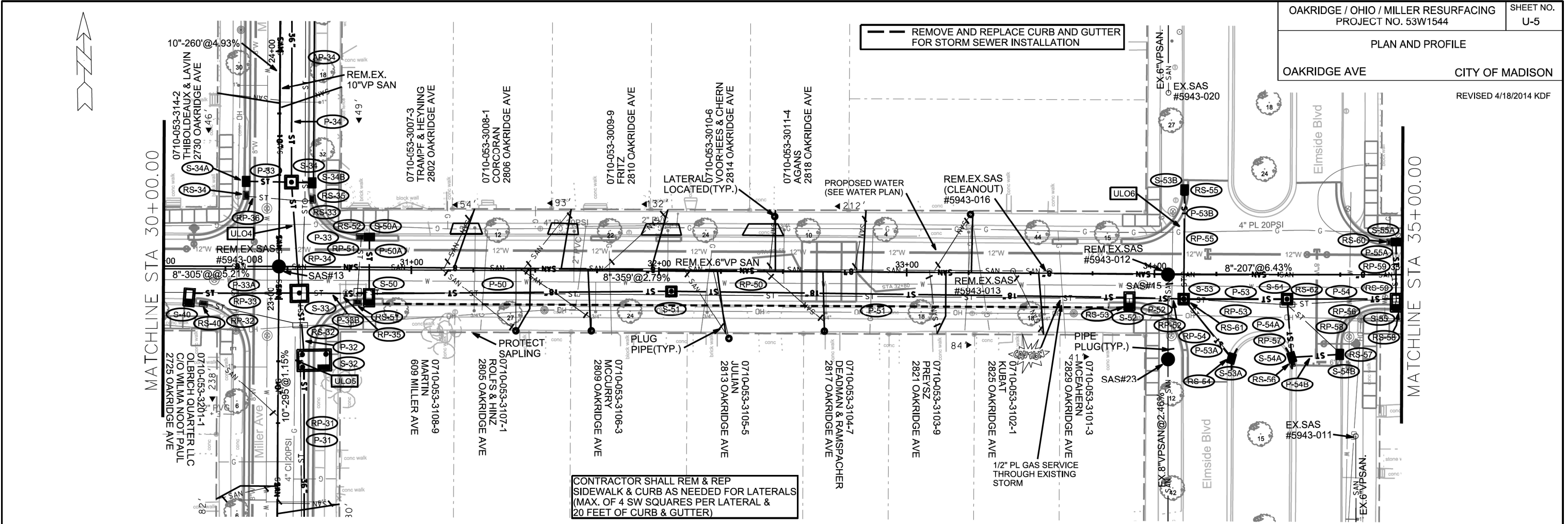


\*NOTE: PIPE SHALL CONFORM TO ASTM D3034  
SDR-26 OR APPROVED EQUIVALENT

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

REMOVE AND REPLACE CURB AND GUTTER  
FOR STORM SEWER INSTALLATION

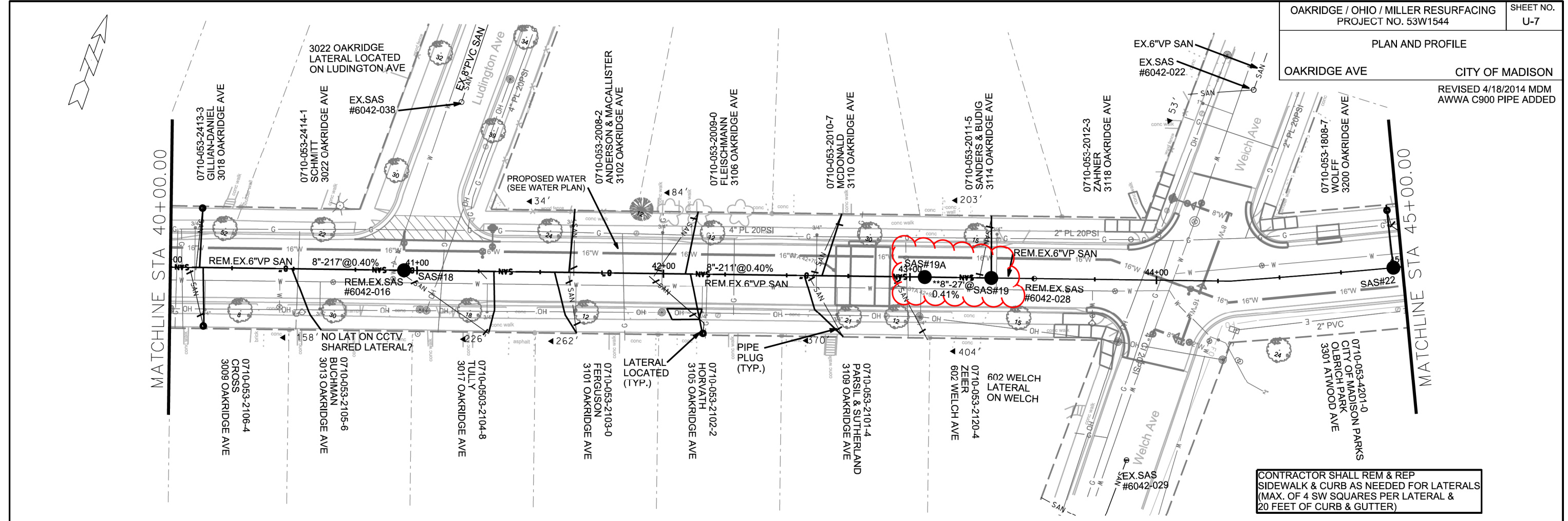
\*NOTE: PIPE SHALL CONFORM TO ASTM D3034  
SDR-26 OR APPROVED EQUIVALENT

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

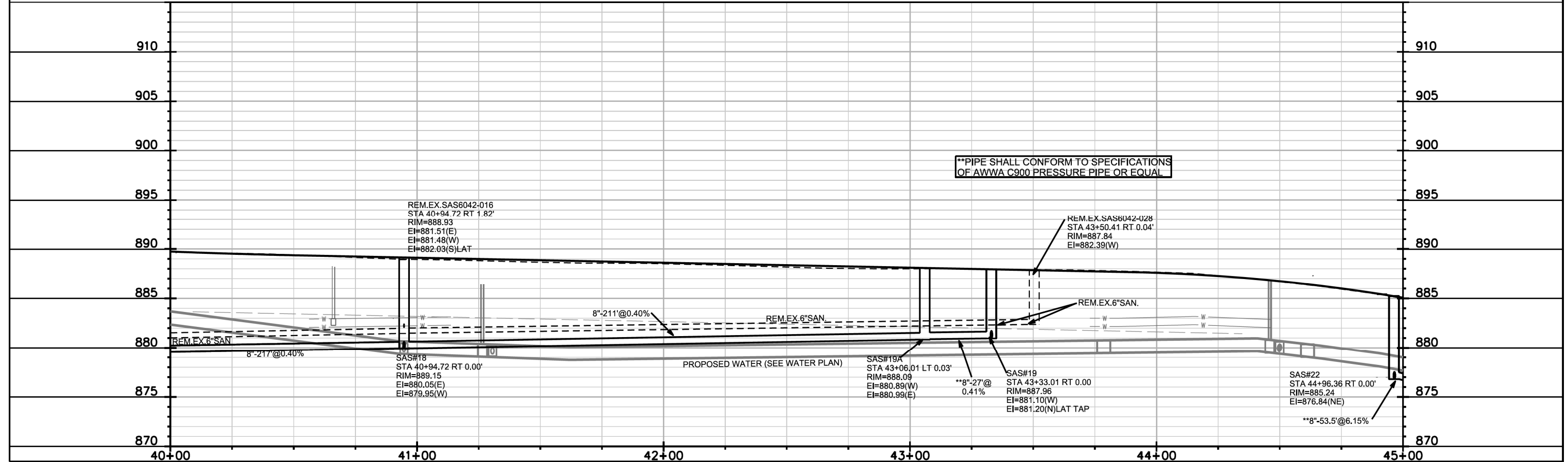
REV. DATE: \_\_\_\_\_

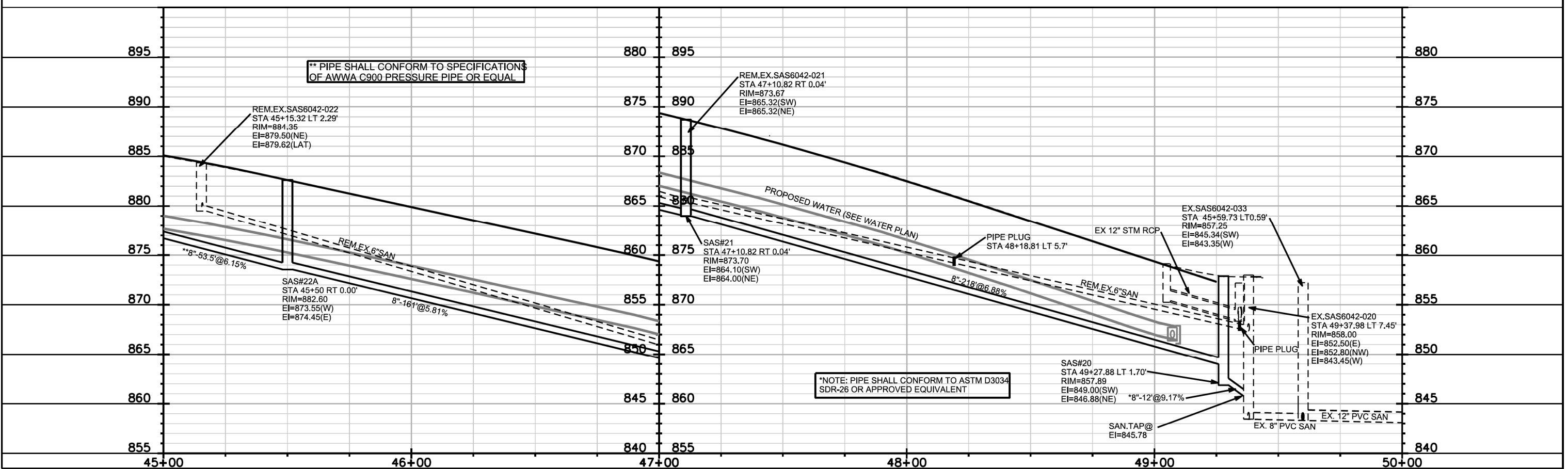
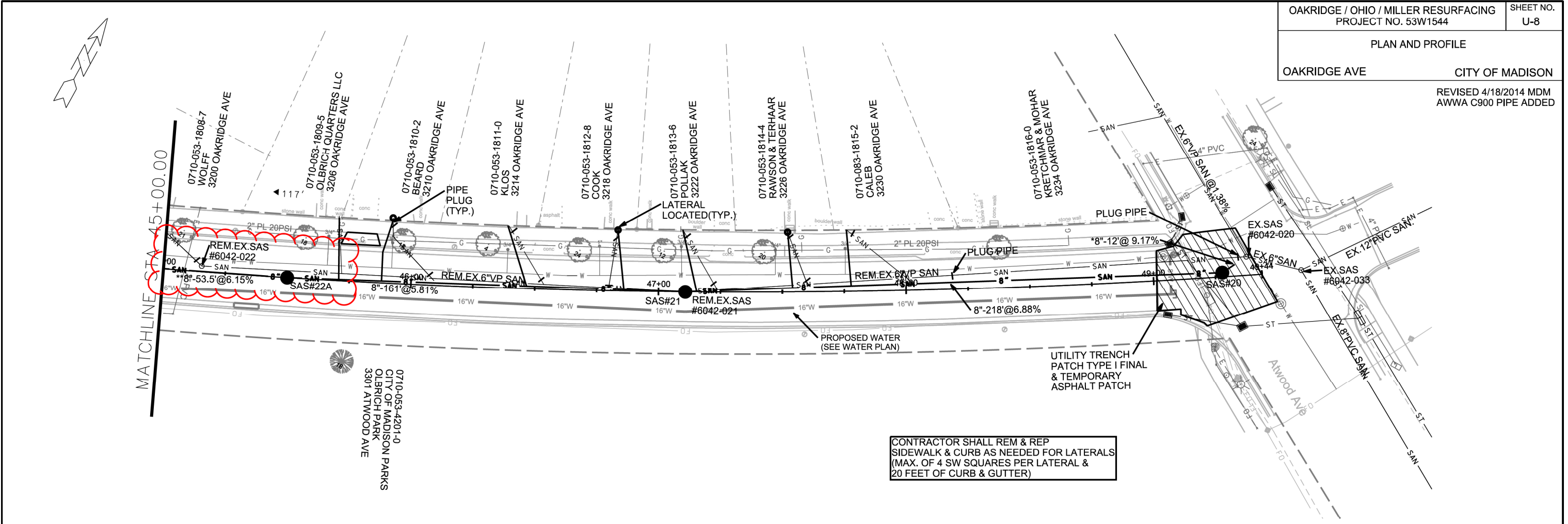
ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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



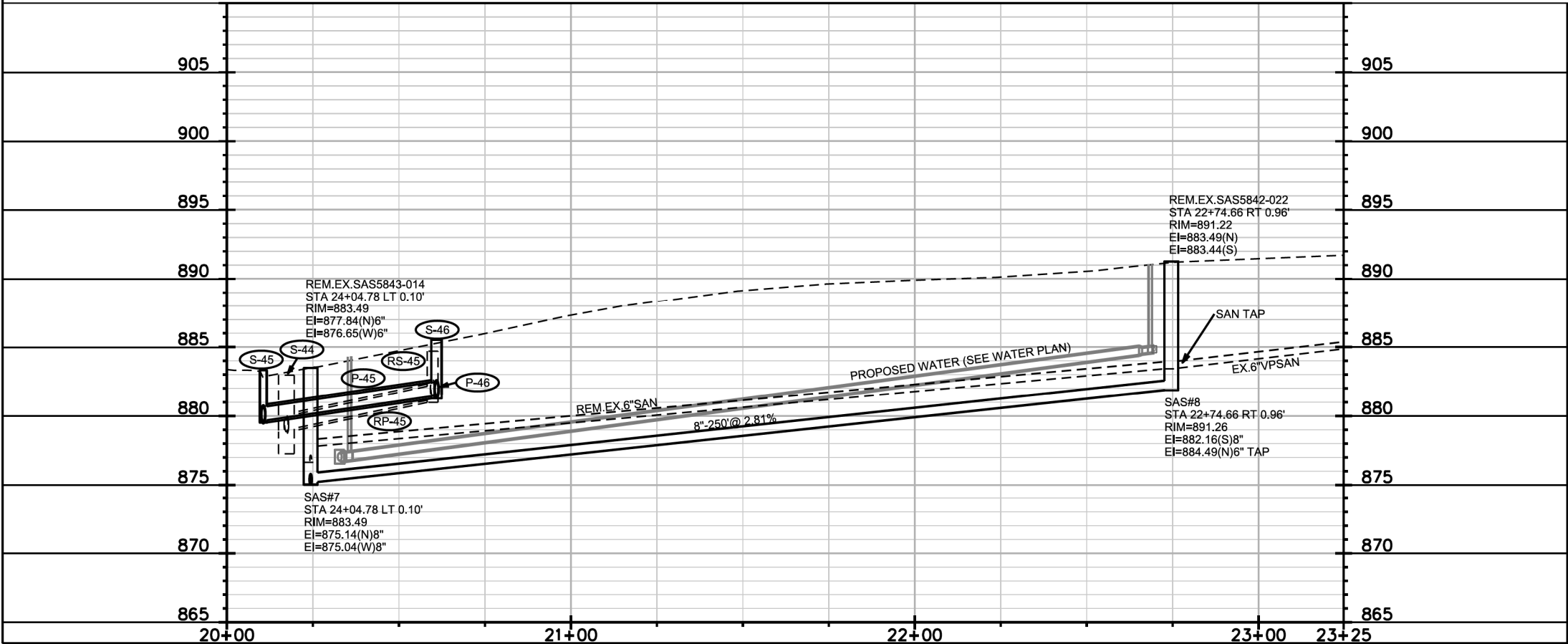
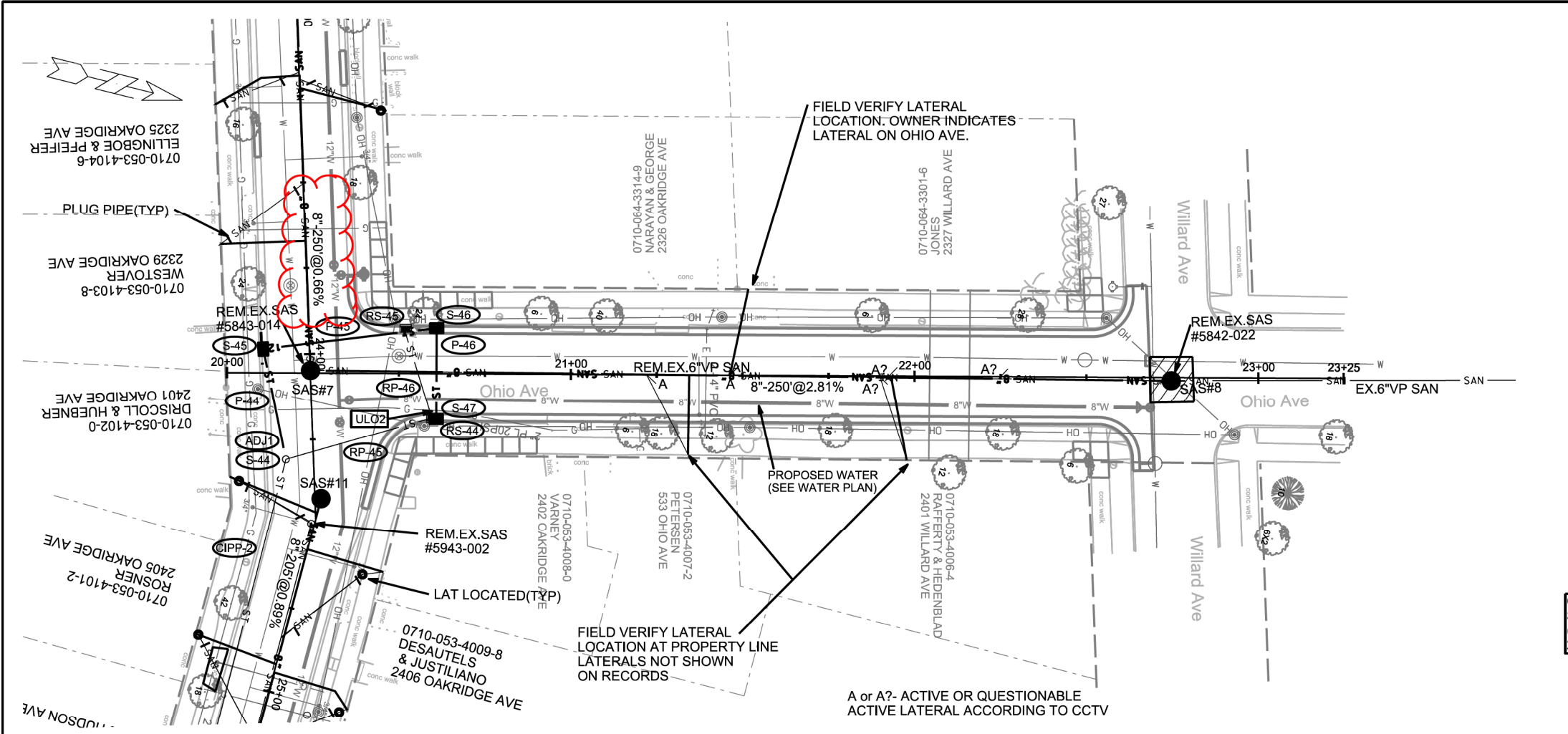


PLOT SCALE: \_\_\_\_\_

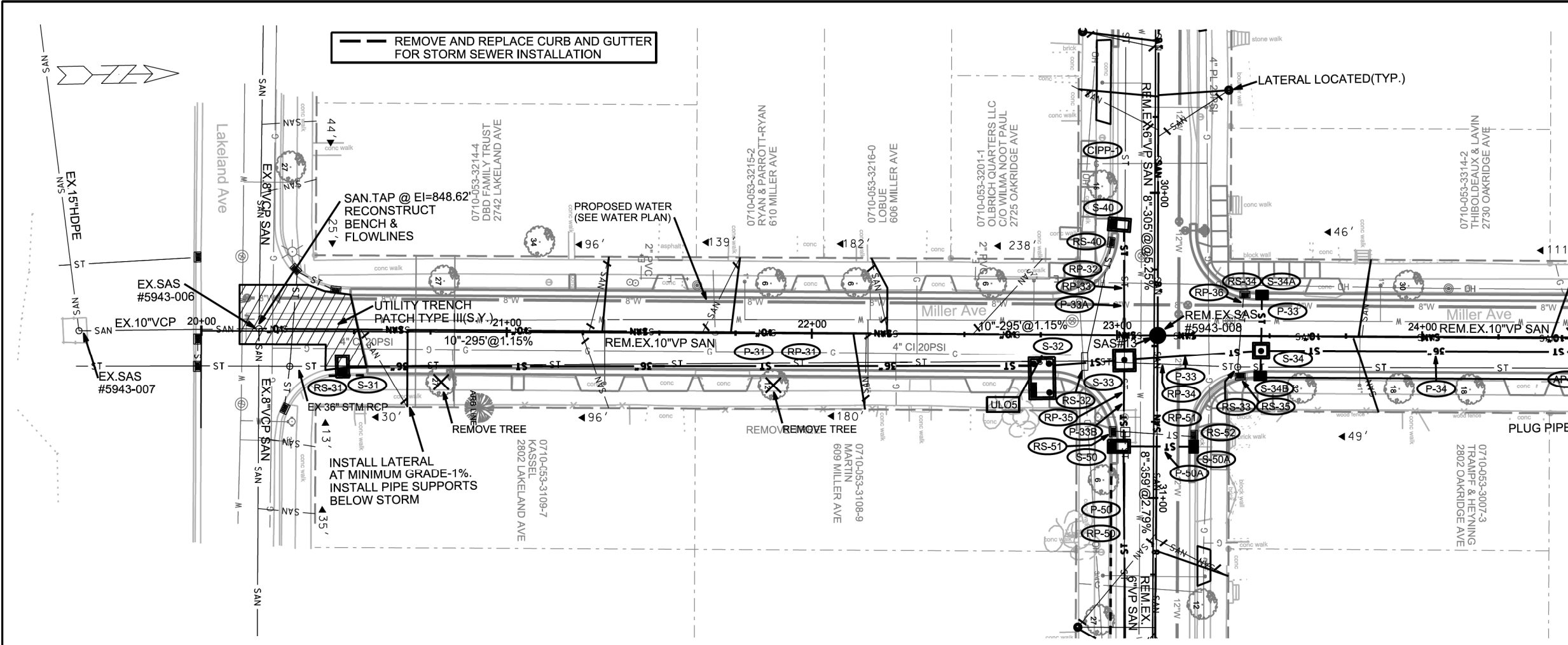
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

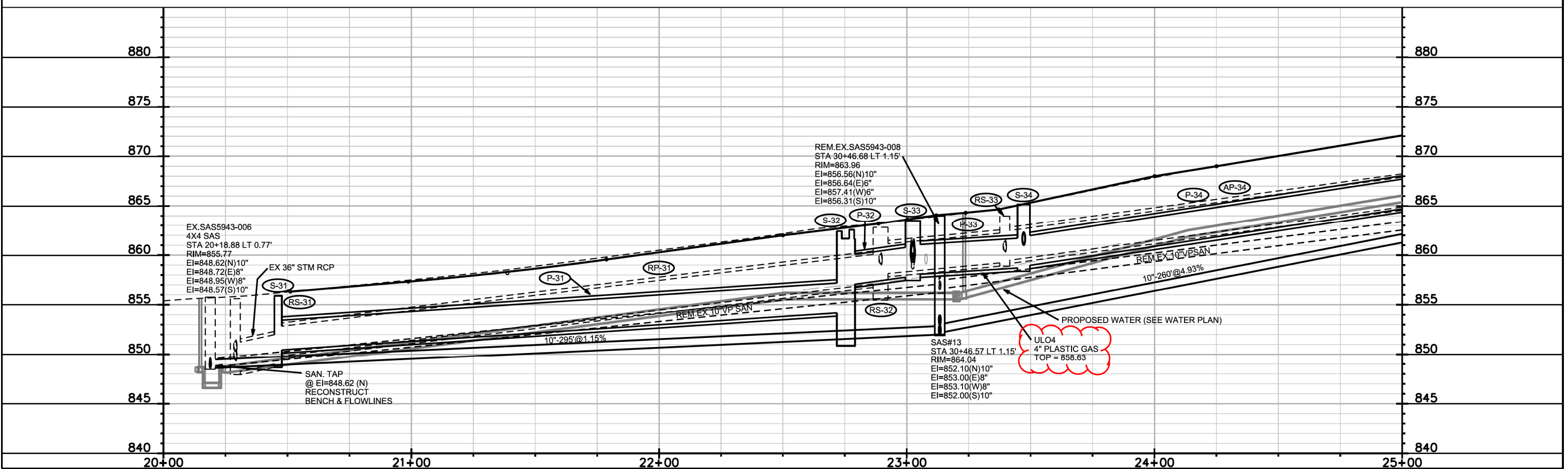




PLOT SCALE: \_\_\_\_\_ PLOT NAME: \_\_\_\_\_ REV. DATE: \_\_\_\_\_ ORIGINATOR: CITY OF MADISON, STREETS DIVISION



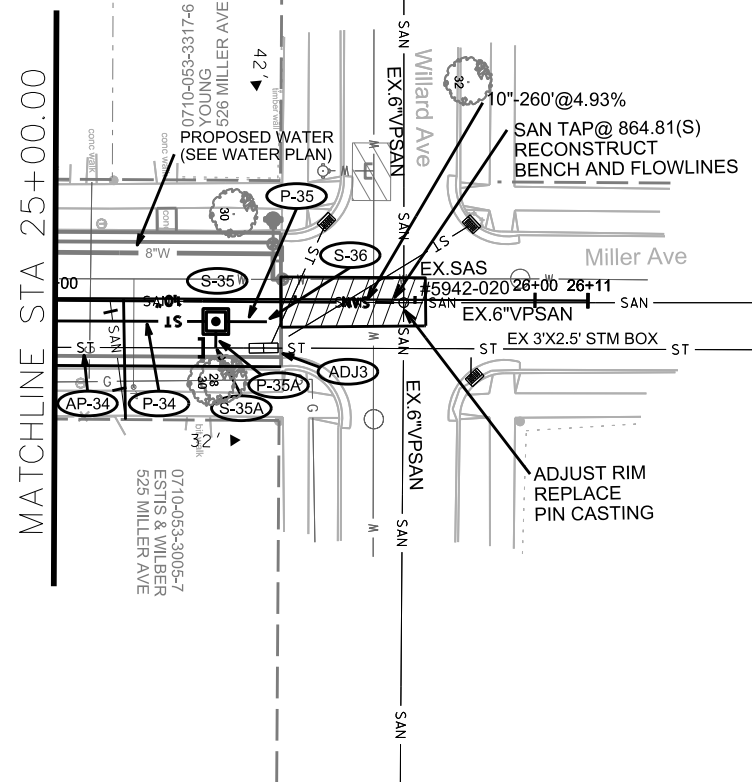
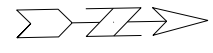
CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL & 20 FEET OF CURB & GUTTER)



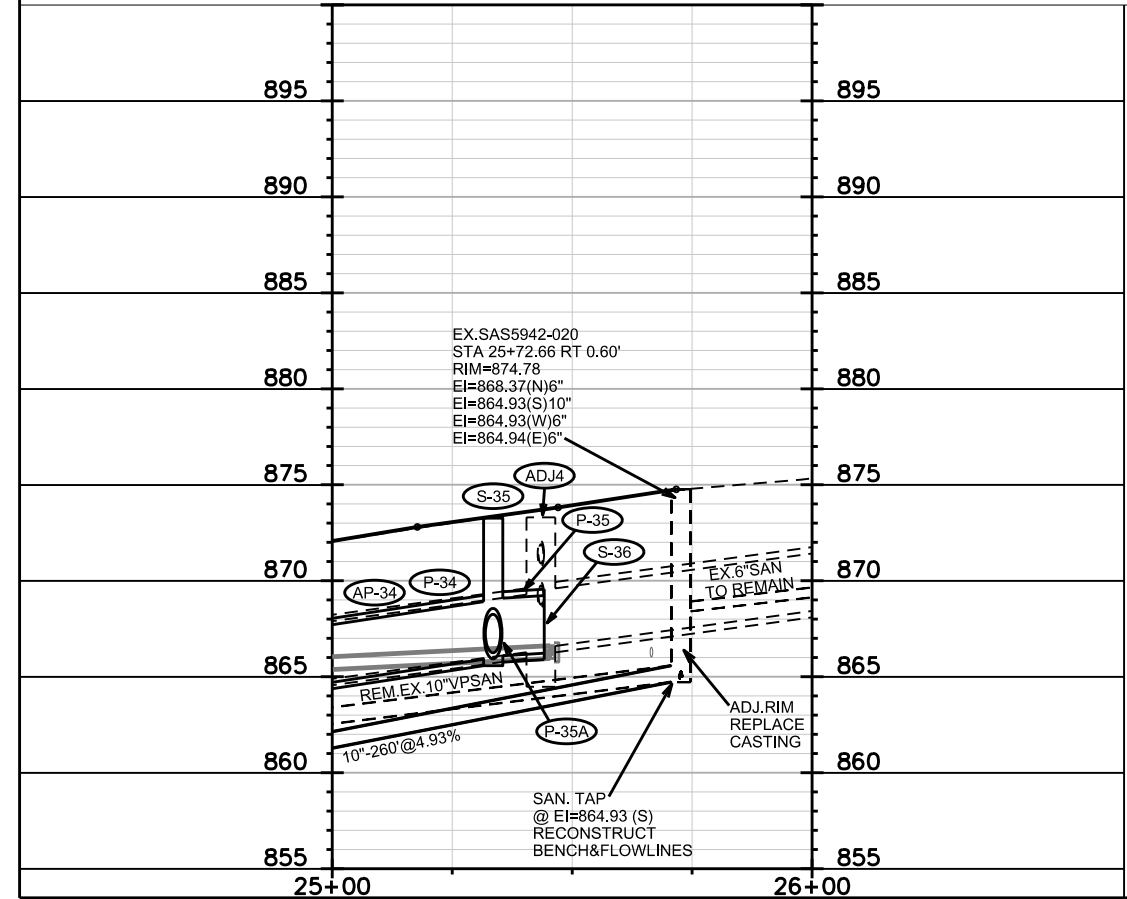
PLOT SCALE: \_\_\_\_\_

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

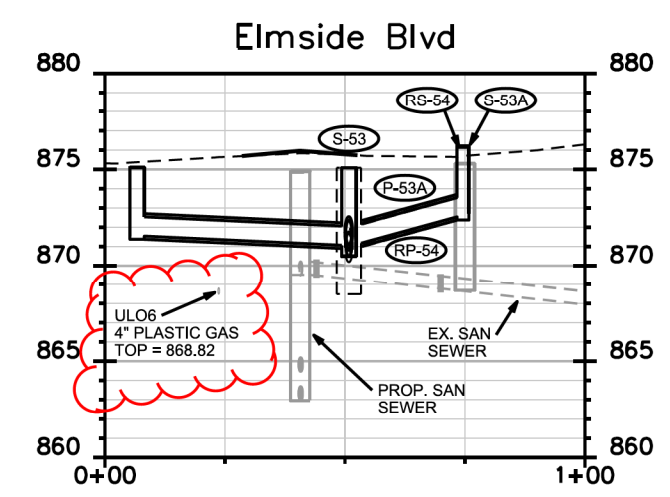
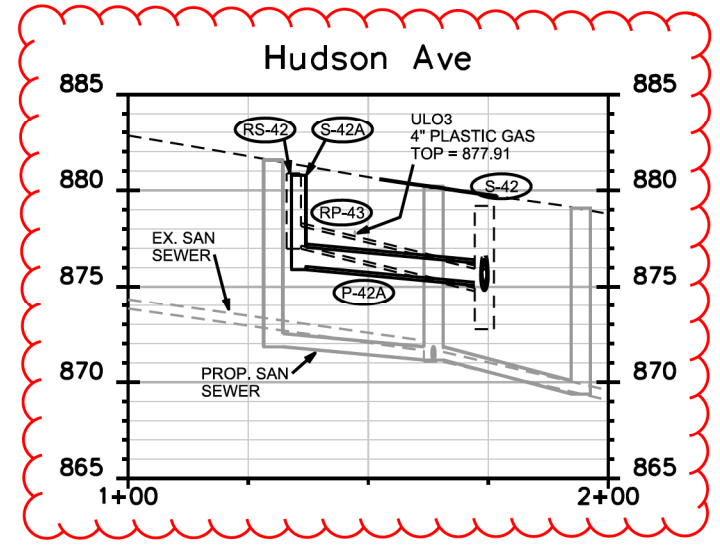
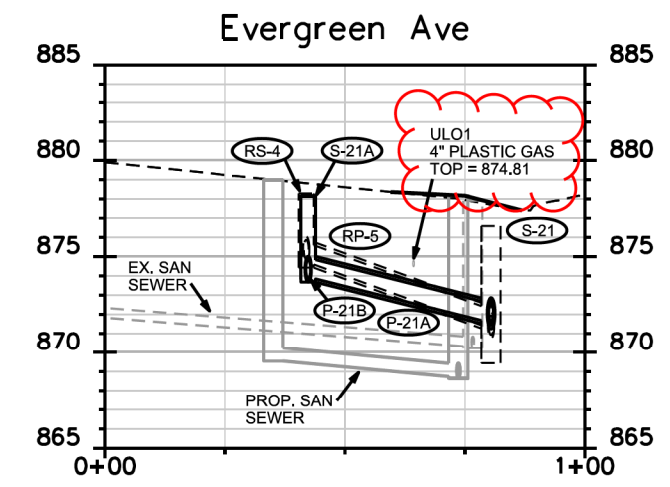
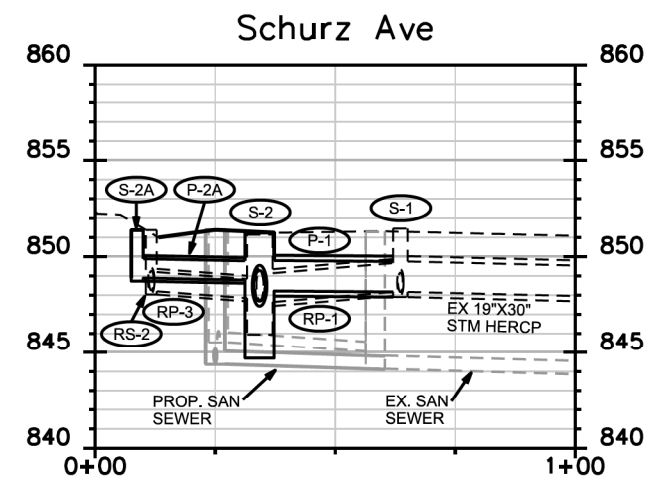
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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



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



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

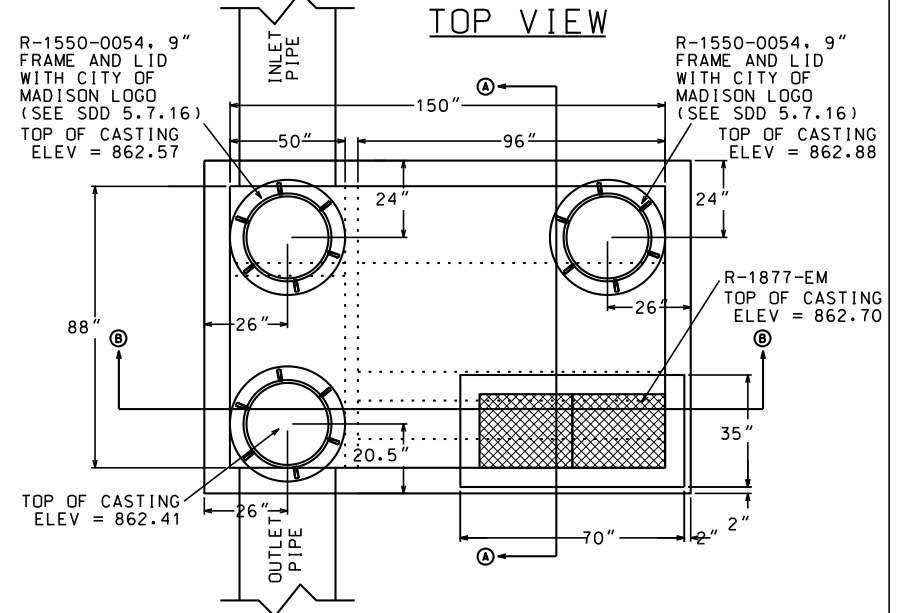
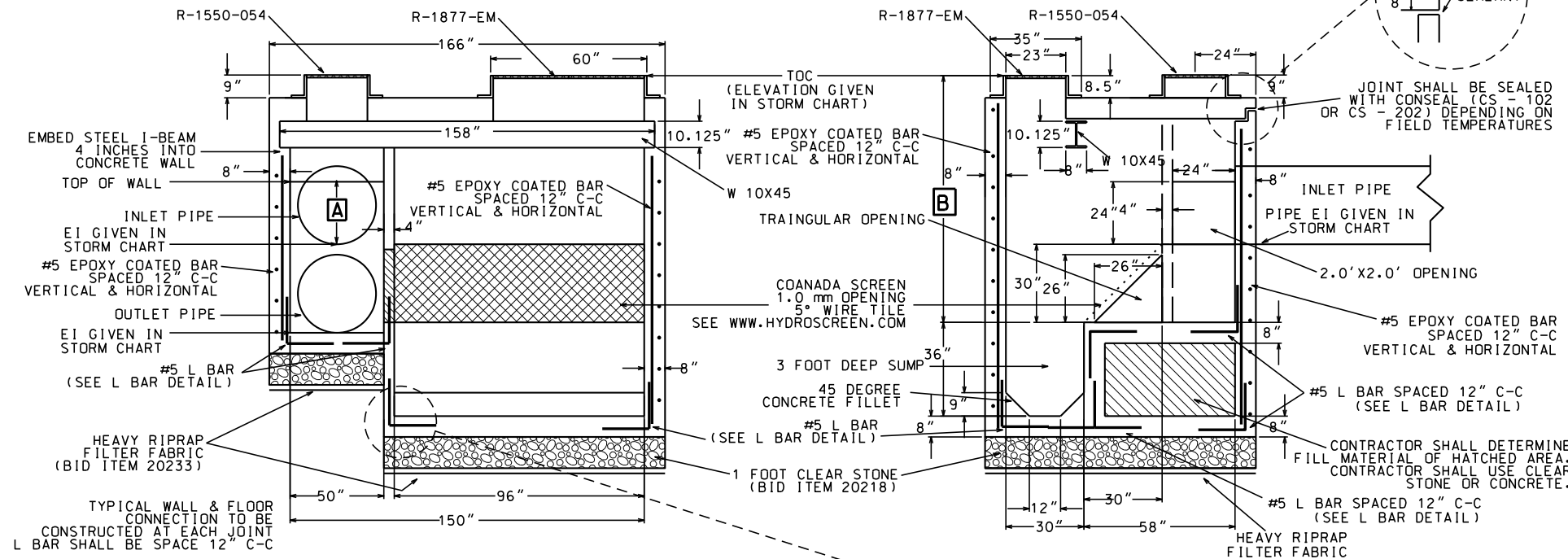
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SECTION B-B

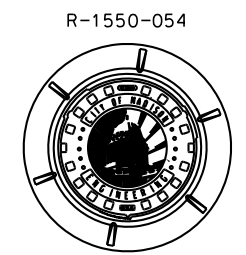
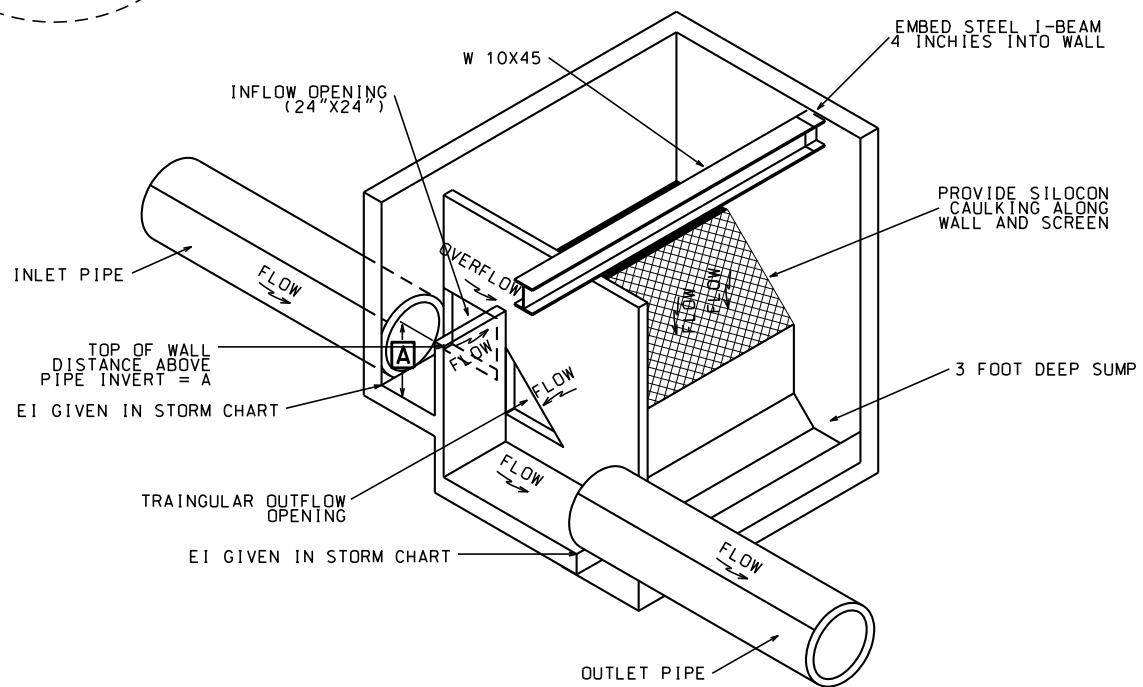
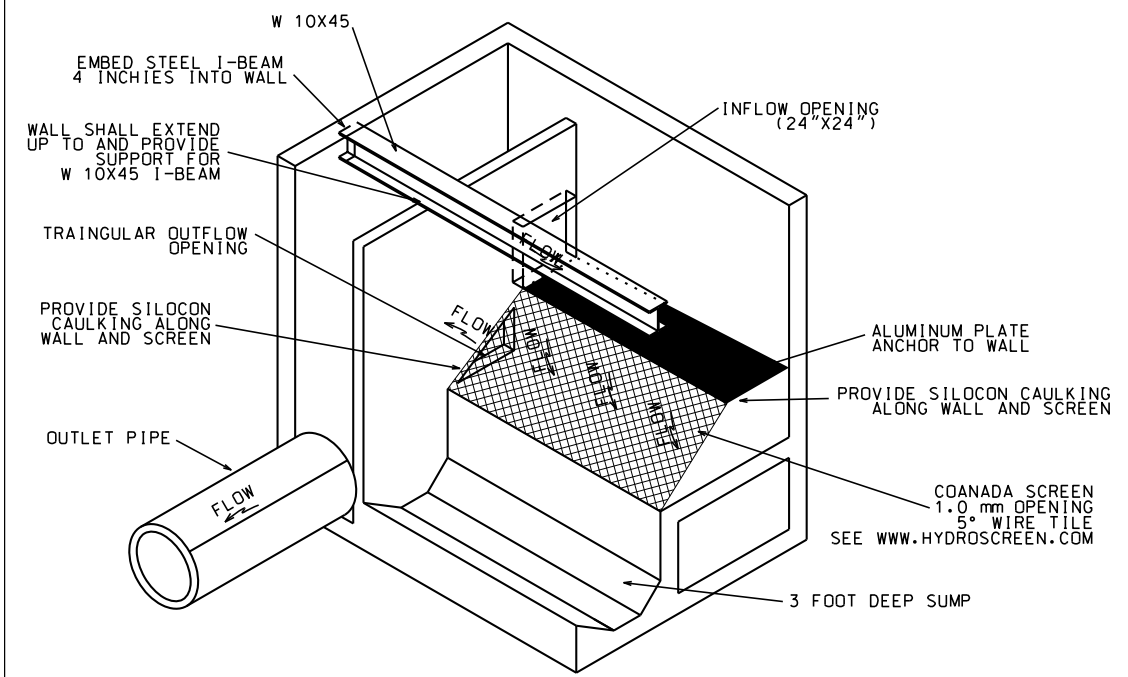
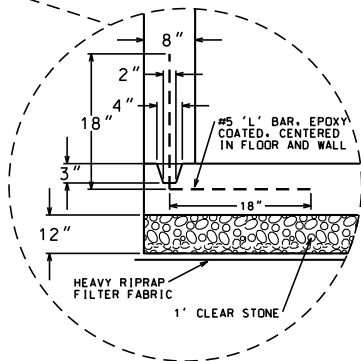
SECTION A-A



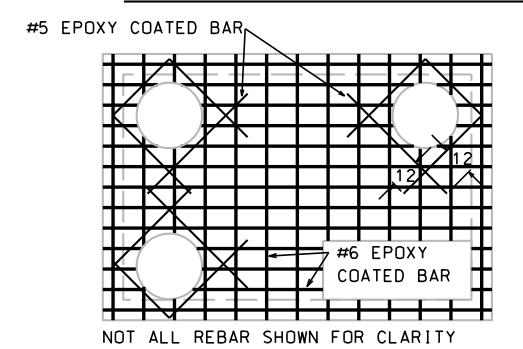
PIPE SIZE	DIMENSION A	DIMENSION B (MINIMUM)
36"	24"	93"

NE ISOMETRIC VIEW (SIDEWALLS & ROOF NOT SHOWN)

NW ISOMETRIC VIEW (SIDEWALLS & ROOF NOT SHOWN)



ROOF REINFORCEMENT



- ROOF REINFORCEMENT NOTES:
1. EPOXY COATED REBARS SHALL BE USED IN ALL CASES
  2. #6 REBARS PLACED ON 6" CENTERS
  3. 3" CLEAR SHALL BE MAINTAINED
  4. ROOF THICKNESS SHALL BE 8" MINIMUM

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SCHEDULE

## ALIGNMENT CODES:

- OAKRIDGE STREET  
'O'- OHIO Ave.  
'M'- MILLER AVE.

OAKRIDGE/ OHIO/ MILLER RESURFACING  
PROJECT NO. 53W1544

SHEET NO.  
U-14

SANITARY SEWER SCHEDULE CITY OF MADISON  
REVISED 4/18/2104 MDM(AWWA C900 PIPE ADDED)

### PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>OAKRIDGE AVE.</b>						
SAS#1	13+48.89	RT-0	851.40	844.39	7.01	
SAS#2	11+26.33	RT-0.18	851.78	845.38	6.40	
SAS#3	15+96.46	RT-0	858.81	846.45	12.36	
SAS#4	19+97.34	LT-1.39	878.14	868.65	9.49	
<b>SAS#5</b>	<b>21+55.36</b>	<b>LT-0.17</b>	<b>882.65</b>	<b>873.29</b>	<b>9.36</b>	
SAS#6	19+98.89	LT-39.94	878.97	869.55	9.42	
SAS#7	24+04.78	LT-0.10	883.49	875.04	8.45	
SAS#9	26+46.87	RT-29.90	879.09	869.41	9.68	
SAS#10	26+46.93	LT-0.81	880.09	871.07	9.02	
SAS#11	24+42.18	LT-1.75	883.15	873.00	10.15	
SAS#12	26+46.94	LT-34.22	881.58	871.85	9.73	
SAS#13	30+46.57	LT-1.15	864.04	852.00	12.04	
SAS#14	27+42.23	LT-0.48	877.82	869.00	8.82	
SAS#15	34+05.46	RT-0.29	874.91	863.00	11.91	
SAS#16	36+11.84	LT-0.60	889.13	877.82	11.31	
SAS#17	38+77.29	LT-0.19	891.36	878.98	12.38	
SAS#18	40+94.72	RT-0	889.15	879.95	9.20	
<b>SAS#19A</b>	<b>43+06.01</b>	<b>LT-0.03</b>	<b>888.09</b>	<b>880.89</b>	<b>7.20</b>	
<b>SAS#19</b>	<b>43+33.01</b>	<b>RT-0</b>	<b>887.96</b>	<b>881.10</b>	<b>6.86</b>	
SAS#20	49+27.88	LT-1.70	857.89	846.88	11.01	
SAS#21	47+10.82	RT-0.04	873.70	864.00	9.70	
<b>SAS#22</b>	<b>44+96.36</b>	<b>RT-0</b>	<b>885.24</b>	<b>876.84</b>	<b>8.40</b>	
<b>SAS#22A</b>	<b>45+50.00</b>	<b>RT-0</b>	<b>882.60</b>	<b>873.45</b>	<b>9.15</b>	
SAS#23	34+05.64	RT-34.53	875.31	868.71	6.60	

### OHIO AVE.

SAS#8	22+74.66	RT-0.96	891.26	882.16	9.10	
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### PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX.SAS#5843-037	SAS#1	844.15	844.39	35	0.69%	8"	SDR-35	INSTALL COMPRESSION COUPLING
SAS#1	SAS#2	844.49	845.38	223	0.40%	8"	SDR-35	
SAS#1	SAS#3	844.49	846.45	248	0.79%	8"	SDR-35	
EX.SAS#5843-034	SAS#4	855.45	868.65	275	4.80%	8"	SDR-35	INSTALL COMPRESSION COUPLING
SAS#4	SAS#6	868.75	869.55	39	2.05%	8"	SDR-35	
<b>SAS#4</b>	<b>SAS#5</b>	<b>868.75</b>	<b>873.29</b>	<b>158</b>	<b>2.87%</b>	<b>8"</b>	<b>SDR-35</b>	
<b>SAS#5</b>	<b>SAS#7</b>	<b>873.39</b>	<b>875.04</b>	<b>250</b>	<b>0.66%</b>	<b>8"</b>	<b>SDR-35</b>	
SAS#9	SAS#10	869.41	871.07	31	5.35%	8"	SDR-35	
SAS#10	SAS#11	871.17	873.00	205	0.89%	8"	SDR-35	
SAS#10	SAS#12	871.17	871.85	33	2.06%	8"	SDR-35	
SAS#13	SAS#14	853.10	869.00	305	5.21%	8"	SDR-26	
SAS#13	SAS#15	853.00	863.00	359	2.79%	8"	SDR-35	
SAS#15	SAS#16	864.50	877.82	207	6.43%	8"	SDR-26	
SAS#16	SAS#17	877.92	878.98	265	0.40%	8"	SDR-26	
SAS#17	SAS#18	879.08	879.95	217	0.40%	8"	SDR-35	
<b>SAS#18</b>	<b>SAS#19A</b>	<b>880.05</b>	<b>880.89</b>	<b>211</b>	<b>0.40%</b>	<b>8"</b>	<b>SDR-35</b>	
<b>SAS#19A</b>	<b>SAS#19</b>	<b>880.99</b>	<b>881.10</b>	<b>27</b>	<b>0.41%</b>	<b>8"</b>	<b>AWWA C900 DR 18</b>	
EX.SAS#6042-020	SAS#20	845.78	846.88	12	9.17%	8"	SDR-26	
SAS#20	SAS#21	849.00	864.00	218	6.88%	8"	SDR-35	
<b>SAS#21</b>	<b>SAS#22A</b>	<b>864.10</b>	<b>873.45</b>	<b>161</b>	<b>5.81%</b>	<b>8"</b>	<b>SDR-35</b>	
<b>SAS#22A</b>	<b>SAS#22</b>	<b>873.55</b>	<b>876.84</b>	<b>53.50</b>	<b>6.15%</b>	<b>8"</b>	<b>AWWA C900 DR 18</b>	
<b>MILLER AVE.</b>								
EX.SAS#5943-006	SAS#13	848.62	852.00	295	1.15%	10"	SDR-35	RECONSTRUCT BENCH AND FLOWLINES
SAS#13	EX.SAS#5942-020	852.10	864.93	260	4.93%	10"	SDR-35	RECONSTRUCT BENCH AND FLOWLINES
<b>OHIO AVE.</b>								
SAS#7	SAS#8	875.14	882.16	250	2.81%	8"	SDR-35	

### ADJUST SANITARY STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	EX. ADJ.HT (FT)	EX. RIM	PROP. RIM	NOTES
EX.SAS#5942-020	25'M+72.66	RT-.60	0.660	874.87	874.78	4X4, REPLACE PIN MANHOLE CASTING

# SANITARY REMOVAL SCHEDULE

## ALIGNMENT CODES:

- OAKRIDGE STREET  
 'O'- OHIO Ave.  
 'M'- MILLER AVE.

OAKRIDGE/ OHIO/ MILLER RESURFACING  
 PROJECT NO. 53W1544

SHEET NO.  
 U-15

SANITARY SEWER REMOVAL SCHEDULE CITY OF MADISON  
 REVISED 4/18/2014 MDM

### SANITARY SEWER PIPE REMOVAL

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	LENGTH Feet	PAID (Y/N)*	SIZE (DIA in)	PIPE TYPE	NOTE
5843-037	5843-012	33.00	N	6"	VP	SCHURZ AVE.
5843-012	5843-023	227.00	N	6"	VP	
5843-012	5843-024	245.00	N	6"	VP	
5843-034	5843-016	274.00	N	6"	VP	
5843-016	5843-022	100.00	N	6"	VP	
5843-016	SAS#6	42.00	N	6"	VP	EVERGREEN AVE.
5843-032	5843-014	250.00	N	6"	VP	
5843-014	5842-022	250.00	N	6"	VP	OHIO AVE.
SAS#9	5943-001	31.00	N	6"	VP	HUDSON AVE.
5943-001	SAS#12	33.00	N	6"	VP	HUDSON AVE.
5943-001	5943-002	197.00	N	6"	VP	
5943-006	5943-008	295.00	N	10"	VP	MILLER AVE.
5943-008	5942-020	260.00	N	10"	VP	MILLER AVE.
5943-008	SAS#14	305.00	N	6"	VP	
5943-008	5943-013	296.00	N	6"	VP	
5943-013	5943-016	15.00	N	6"	VP	
5943-012	5943-014	206.00	N	6"	VP	
5943-014	6043-001	205.00	N	6"	VP	
6042-008	6042-016	217.00	N	6"	VP	
6042-016	SAS#19	238.00	N	6"	VP	
SAS#19	6042-028	17.00	Y	6"	VP	
STA 48+18.81 LT 5.70'	6042-021	90.00	N	6"	VP	
6042-021	6042-022	195.00	N	6"	VP	

### REMOVE SEWER ACCESS STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	RIM	EI	DEPTH	NOTES
5843-037	13+48.86	RT-33.36	851.28	844.06	7.22	
5843-012	13+47.06	RT-.64	851.35	845.55	5.80	
5843-023	11+20.17	RT-.16	851.76	846.41	5.35	
5843-024	15+92.42	RT-.47	858.40	849.99	8.41	
5843-034	17+23.70	LT-.83	864.91	855.45	9.46	
5843-016	19+97.21	RT-1.62	877.91	870.21	7.70	
5843-022	20+97.31	LT-.43	881.60	874.82	6.78	
5843-014	24+04.78	LT-.10	883.49	876.65	6.84	OAKRIDGE @ OHIO
5842-022	22'O'+74.66	RT-.96	891.22	883.44	7.78	
5943-001	26+46.93	LT-.81	880.17	871.07	9.10	
5943-002	24+49.67	RT-.99	883.28	876.62	6.66	
5943-008	30+46.68	LT-1.15	863.96	856.31	7.65	
5943-018	27+02.71	LT-.09	878.81	872.61	6.20	
5943-013	33+42.92	LT-.84	870.84	862.52	8.32	
5943-016	33+57.60	LT-.84	871.78			CLEANOUT NOT SURVEYED
5943-012	34+05.46	RT-.29	874.85	869.55	5.30	
5943-014	36+11.84	LT-.60	889.25	880.05	9.20	
6043-001	38+17.36	RT-.16	891.98	884.24	7.74	
6042-008	38+77.29	LT-.19	891.33	880.38	10.95	
6042-016	40+94.72	RT-1.82	888.93	881.48	7.45	
6042-028	43+50.41	RT-.04	887.84	882.39	5.45	
6042-022	45+15.32	LT-2.29	884.35	879.5	4.85	
6042-021	47+10.82	RT-.04	873.67	865.32	8.35	
<b>5843-032</b>	<b>21+55.36</b>	<b>LT-.17</b>	<b>882.64</b>	<b>873.94</b>	<b>8.70</b>	<b>OAKRIDGE &amp; SCHILLER</b>

\*NOTE: IF PIPE SEPARATION GREATER THAN 3' FROM PIPE BEING REMOVED, PIPE REMOVAL COMPENSABLE.

### SANITARY SEWER PIPE ABANDONMENT

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	LENGTH Feet	PAID (Y/N)	SIZE (DIA in)	PIPE TYPE	NOTES
SAS#23	EX.SAS5943-012	34	N	8"	VP	PIPE PLUGS INCIDENTAL TO STRUCTURE REMOVAL AND NEW STRUCTURE < THAN 10" DIAMETER
6043-002(STA 38+77.75 RT173.21)	SAS#17	173	Y	6"	VP	PIPE PLUG(1 PAY)@SAS 6043-002
SAS#14	EX.SAS5943-018	40	N	6"	VP	PIPE PLUGS INCIDENTAL TO STRUCTURE REMOVAL AND NEW STRUCTURE < THAN 10" DIAMETER
6042-020	STA 48+18.81 LT 5.70'	119	Y	6"	VP	PIPE PLUG(1 PAY)@SAS 6042-020

# STORM SEWER SCHEDULE

\*REVISED 4/18/2014 KDF

OAKRIDGE / OHIO / MILLER RESURFACING		SHEET NO.
PROJECT NO. 53W1544		U-16
STORM SEWER SCHEDULE		
OAKRIDGE/OHIO/MILLER	CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>OAKRIDGE AVE</b>							
S-1	13+38.44	RT-38.57	STORM TAP	-	848.17	-	TAP EX IN 5843-083
S-2	13+38.25	RT-9.22	6X6 CATCHBASIN	851.25	847.70	3.55	(5), (FP), W/TWIN R-1550-0054
S-2A	13+43.21	LT-16.24	TERRACE INLET TYPE I	851.38	848.89	2.49	(FP), W/R-3067-7004-V
S-3	12+42.35	RT-9.91	4X4 SAS	851.41	847.84	3.57	(FP), W/R-1550-0054
S-3A	12+26.83	LT-13.30	H INLET	851.71	848.20	3.51	(4), W/R-30677-7004-V
S-4	10+97.10	RT-11.90	STORM TAP	-	848.05	-	-
S-20	17+25.35	RT-10.74	CONCRETE COLLAR	-	859.84	-	-
S-21	19+74.91	RT-8.31	6X6 CATCHBASIN	876.55	871.43	5.12	(5), W/TWIN R-1550-0054
S-21A	19+78.73	LT-31.12	H INLET	878.15	873.85	4.30	W/R-3067-7004-V
S-21B	20+14.54	LT-32.85	H INLET	879.41	875.19	4.22	W/R-3067-7004-V
S-22	21+18.22	RT-10.62	CONCRETE COLLAR	-	876.72	-	-
S-33	30+54.85	RT-9.72	6X6 CATCHBASIN	863.57	858.00	5.57	(5), W/TWIN R-1550-0054
S-40	30+10.41	RT-11.58	3X6 SAS	865.61	861.44	4.17	W/R-3067-7004-V
S-42	26+62.50	RT-9.73	STORM TAP	-	875.25	-	-
* S-42A	26+59.83	LT-28.97	H INLET	880.78	<b>876.07</b>	<b>4.71</b>	W/R-3067-7004-V
S-43	26+17.64	RT-12.39	3X6 SAS	880.88	875.65	5.23	W/R-3067-7004-V
S-43A	26+18.69	LT-13.70	H INLET	881.30	877.80	3.50	W/R-3067-7004-VB
S-44	24+30.48	RT-8.04	STORM TAP	-	879.35	-	TAP EX AS 5843-037
S-45	23+98.04	RT-13.38	H INLET	883.32	879.63	3.69	W/R-3067-7004-V
S-46	24+20.40	LT-36.06	H INLET	885.53	881.56	3.97	W/R-3067-7004-V
S-47	23+93.89	LT-37.19	H INLET	885.31	881.81	3.50	W/R-3067-7004-V
S-50	30+83.00	RT-11.36	3X6 SAS	863.58	859.62	3.96	W/R-3067-7004-VB
S-50A	30+83.00	LT-13.17	H INLET	864.03	860.53	3.50	W/R-3067-7004-V
S-51	32+05.00	RT-8.28	3X3 SAS	864.52	860.21	4.31	W/R-1550-0054
S-52	33+89.96	RT-11.31	3X6 SAS	874.16	869.31	4.85	W/R-3067-7004-V
S-53	34+11.89	RT-10.33	3X3 SAS	875.08	870.51	4.57	W/R-1550-0054
S-53A	34+31.25	RT-34.07	H INLET	876.22	872.22	4.00	W/R-3067-7004-VB
S-53B	34+11.97	LT-33.80	H INLET	875.10	871.55	3.55	W/R-3067-7004-V
S-54	34+53.75	RT-12.36	3X3 SAS	878.20	873.41	4.79	W/R-1550-0054
S-54A	34+55.59	RT-33.53	H INLET	878.79	875.29	3.50	W/R-3067-7004-VB
S-54B	34+74.96	RT-32.25	H INLET	880.20	875.72	4.48	W/R-3067-7004-VB
S-55	34+97.50	RT-11.36	3X6 SAS	882.16	876.97	5.19	W/R-3067-7004-V
S-55A	34+97.50	LT-13.26	H INLET	882.25	878.25	4.00	W/R-3067-7004-V
S-56	36+12.23	RT-9.49	3X3 SAS	888.72	884.64	4.08	W/R-1550-0054
S-57	37+71.82	RT-9.60	STORM TAP	-	886.56	-	TAP EX AS 6043-001
<b>MILLER AVE</b>							
S-31	20'M'+46.22	RT-11.62	3X6 SAS	855.91	849.16	6.75	(FP), W/R-3067-7004-V
S-32	22'M'+75.50	RT-14.47	TREATMENT STRUC	862.41	854.20	8.21	(3), (FP) SEE SHEET U12 FOR DETAIL
S-34	23'M'+47.20	RT-4.97	4X4 SAS	865.17	858.79	6.38	W/R-1550-0054
S-34A	23'M'+47.42	LT-13.32	H INLET	865.89	861.54	4.35	W/R-3067-7004-VB
S-34B	23'M'+46.97	RT-13.36	H INLET	865.25	861.25	4.00	W/R-3067-7004-V
S-35	25'M'+33.53	RT-4.71	4X4 SAS	873.26	866.06	7.20	W/R-1550-0054
S-35A	25'M'+33.53	RT-8.71	STORM TAP	-	866.25	-	-
S-36	25'M'+44.17	RT-4.70	STORM PLUG	-	866.23	-	-

## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>OAKRIDGE AVE</b>									
P-1	S-1	S-2	29.5	848.17	848.22	0.20%	19"X30"	HERCP	-
P-2	S-2	S-3	96.0	847.70	847.84	0.15%	19"X30"	HERCP	-
P-2A	S-2	S-2A	26.0	848.78	848.89	0.50%	12"	RCP	-
P-3	S-3	S-4	145.5	847.84	848.05	0.15%	19"X30"	HERCP	-
P-3A	S-3	S-3A	28.0	847.84	848.20	1.50%	12"	RCP	-
P-20	S-20	S-21	250.0	859.84	871.43	4.70%	15"	RCP	-
P-21	S-21	S-22	145.0	871.63	876.72	3.59%	12"	RCP	-
P-21A	S-21	S-21A	39.5	871.75	873.85	6.00%	12"	RCP	-
P-21B	S-21A	S-21B	29.0	873.85	875.19	5.00%	12"	RCP	-
P-32	S-32	S-33	23.5	857.08	858.00	4.50%	36"	RCP	-
P-33	S-33	S-34	45.0	858.00	858.79	2.00%	36"	RCP	-
P-33A	S-33	S-40	44.5	859.75	861.44	4.25%	15"	RCP	-
P-33B	S-33	S-50	28.5	859.50	859.62	0.50%	18"	RCP	-
* P-42A	S-42	S-42A	39.0	875.25	<b>876.07</b>	<b>2.32%</b>	12"	RCP	-
P-43A	S-43	S-43A	25.0	877.25	877.80	2.50%	12"	RCP	-
P-44	S-44	S-45	33.0	879.35	879.63	1.00%	12"	RCP	-
P-45	S-45	S-46	51.0	879.63	881.56	4.00%	12"	RCP	-
P-46	S-46	S-47	26.5	881.56	881.81	1.00%	12"	RCP	-
P-50	S-50	S-51	122.0	859.62	860.21	0.50%	18"	RCP	-
P-50A	S-50	S-50A	23.0	860.12	860.53	2.00%	12"	RCP	-
P-51	S-51	S-52	185.0	860.21	869.31	5.00%	18"	RCP	-
P-52	S-52	S-53	22.0	869.56	870.51	5.00%	15"	RCP	-
P-53	S-53	S-54	42.0	870.51	873.41	7.50%	15"	RCP	-
P-53A	S-53	S-53A	31.0	871.08	872.22	4.15%	12"	RCP	-
P-53B	S-53	S-53B	44.0	871.08	871.55	1.15%	12"	RCP	-
P-54	S-54	S-55	44.0	873.41	876.97	8.70%	15"	RCP	-
P-54A	S-54	S-54A	23.5	874.78	875.29	2.50%	12"	RCP	-
P-54B	S-54A	S-54B	19.5	875.29	875.72	2.50%	12"	RCP	-
P-55	S-55	S-56	116.0	877.30	884.64	6.50%	12"	RCP	-
P-55A	S-55	S-55A	23.5	877.22	878.25	5.00%	12"	RCP	-
P-56	S-56	S-57	162.0	884.64	886.56	1.25%	12"	RCP	-
<b>MILLER AVE</b>									
P-31	S-31	S-32	225.5	850.41	854.20	1.69%	36"	RCP	-
P-34	S-34	S-35	186.5	858.79	866.06	4.00%	36"	RCP	-
P-34A	S-34	S-34A	18.5	861.17	861.54	2.50%	12"	RCP	-
P-34B	S-34	S-34B	8.5	861.17	861.25	1.63%	12"	RCP	-
P-35	S-35	S-36	11.0	866.06	866.23	2.00%	36"	RCP	-
P-35A	S-35	S-35A	2.00	866.24	866.25	0.50%	24"X38"	HERCP	-

## 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 KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO kfrank@cityofmadison.com.

## SPECIFIC NOTES

- (1) E.I. IS FOR OUTGOING PIPE. SEE PROPOSED STORM PIPES FOR ALL TAP ELEVATIONS.
- (2) PIPE ALIGNMENT IS OFFSET FROM STRUCTURE CENTER TO PLACE PIPE UNDER STREET
- (3) FOUR CASTINGS, THREE R-1550-0054 AND R-1877-EM. STATION AND OFFSET FROM CENTER OF STRUCTURE, SEE DETAIL FOR TOP OF CASTING ELEVATION LOCATION
- (4) PRIVATE STORM CONNECTION, TYPE I
- (5) W/ 3' SUMP



# STORM SEWER SCHEDULE

OAKRIDGE / OHIO / MILLER RESURFACING		SHEET NO.
PROJECT NO. 53W1544		U-17
STORM SEWER SCHEDULE		
OAKRIDGE/OHIO/MILLER	CITY OF MADISON	

## REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>OAKRIDGE AVE</b>					
RS-1	AS 5843-011	13+34.65	RT-15.00	CATCHBASIN	-
RS-2	IN 5843-014	13+47.35	LT-13.80	INLET	-
RS-3	IN 5843-015	13+41.45	LT-13.80	INLET	-
RS-4	IN 5843-032	19+78.00	LT-31.50	INLET	-
RS-5	IN 5843-031	20+15.00	LT-31.70	INLET	-
RS-6	AS 5843-030	19+75.00	RT-8.30	CATCHBASIN	-
RS-32	AS 5943-003	30+55.25	RT-22.72	CATCHBASIN	-
RS-40	IN 5943-015	30+16.20	RT-14.25	INLET	-
RS-41	IN 5943-035	26+17.70	RT-14.40	INLET	-
RS-42	IN 5943-040	26+59.85	LT-30.00	INLET	-
RS-43	IN 5943-009	26+31.00	LT-15.90	INLET	-
RS-44	IN 5843-034	24+20.30	LT-35.00	INLET	-
RS-45	IN 5843-033	23+93.55	LT-28.00	INLET	-
RS-50	IN 5943-005	30+78.35	RT-9.30	SAS	-
RS-51	IN 5943-014	30+78.25	RT-13.50	INLET	-
RS-52	IN 5943-013	30+79.30	LT-13.35	INLET	-
RS-53	IN 5943-019	33+89.85	RT-13.50	INLET	-
RS-54	IN 5943-042	34+31.40	RT-34.00	INLET	-
RS-55	IN 5943-016	34+12.00	LT-33.10	INLET	-
RS-56	IN 5943-041	34+55.70	RT-35.60	INLET	-
RS-57	IN 5943-043	34+75.00	RT-31.80	INLET	-
RS-58	IN 5943-018	34+97.60	RT-13.20	INLET	-
RS-59	IN 5943-008	34+97.70	RT-9.60	SAS	-
RS-60	IN 5943-017	34+95.40	LT-13.40	INLET	-
RS-61	AS 5943-006	34+11.90	RT-10.25	CATCHBASIN	-
RS-62	AS 5943-007	34+53.75	RT-12.35	CATCHBASIN	-
<b>MILLER AVE</b>					
RS-31	IN 5943-037	20'M'+46.25	RT-11.60	SAS	INLET CASTING
RS-33	AS 5943-036	23'M'+39.50	RT-10.50	SAS	-
RS-34	IN 5943-011	23'M'+41.83	LT-13.50	INLET	-
RS-35	IN 5943-012	23'M'+40.40	RT-13.50	INLET	-

## REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
<b>OAKRIDGE AVE</b>							
RP-1	S-1	RS-1	29.5	18"	VP	N	-
RP-2	RS-1	S-4	237.5	18"	VP	N	-
RP-3	RS-1	RS-2	26.0	12"	VP	Y	-
RP-4	S-20	S-21	250.0	12"	VP	N	-
RP-5	S-21	RS-4	40.0	12"	VP	N	-
RP-6	RS-4	RS-5	29.0	12"	VP	N	-
RP-7	S-21	S-22	145.0	12"	VP	N	-
RP-33	S-33	S-40	44.0	15"	VP	N	-
RP-35	S-33	RS-50	21.0	15"	VP	N	-
RP-42	S-42	RS-41	45.0	12"	VP	Y	-
RP-43	S-42	RS-42	40.0	12"	VP	N	-
RP-44	S-42	RS-43	40.0	12"	VP	Y	-
RP-45	S-44	RS-44	44.0	12"	VP	Y	-
RP-46	RS-44	RS-45	28.0	12"	VP	Y	-
RP-50	RS-50	S-52	312.0	15"	VP	N	-
RP-51	RS-50	RS-52	23.0	12"	VP	Y	-
RP-52	S-52	S-53	22.0	15"	VP	N	-
RP-53	S-53	S-54	42.0	15"	VP	N	-
RP-54	S-53	RS-54	31.0	12"	VP	N	-
RP-55	S-53	RS-55	44.0	12"	VP	N	-
RP-56	S-54	S-55	44.0	12"	VP	N	-
RP-57	S-54	RS-56	23.0	12"	VP	N	-
RP-58	S-54	RS-57	29.0	12"	VP	Y	-
RP-59	S-55	RS-60	23.0	12"	VP	N	-
RP-60	S-55	S-57	277.0	12"	VP	N	-
<b>MILLER AVE</b>							
RP-31	RS-31	RS-32	243.0	36"X30"	BOX	N	-
RP-32	RS-32	RS-40	40.0	12"	VP	Y	-
RP-34	RS-32	RS-33	50.0	36"X30"	BOX	N	-
RP-36	RS-33	RS-34	24.0	12"	VP	Y	-

## SPECIFIC NOTES

## 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 KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO kfrank@cityofmadison.com.

# STORM SEWER SCHEDULE

OAKRIDGE / OHIO / MILLER RESURFACING PROJECT NO. 53W1544	SHEET NO. U-18
STORM SEWER SCHEDULE	
OAKRIDGE/OHIO/MILLER	CITY OF MADISON

## STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF UTILITY	NOTES
<b>OAKRIDGE AVE</b>					
* ULO1	19+76.60	LT-9.03	4" PLASTIC GAS	874.81	OK, STORM UNDER GAS, U-12
* ULO2	24+17.92	LT-36.16	4" PLASTIC GAS	888.19	OK, STORM OVER GAS
* ULO3	26+60.59	LT-17.25	4" PLASTIC GAS	877.91	IN CONFLICT, STORM SEWER REVISED, U-12
* ULO4	30+52.73	LT-17.97	4" PLASTIC GAS	858.63	IN CONFLICT, MGE TO RELOCATE, U-10
* ULO5	30+53.36	RT-37.00	6" STEEL GAS CASING	857.94	OK
* ULO6	34+11.90	LT-16.90	4" PLASTIC GAS	868.82	OK, STORM OVER GAS, U-12
<b>MILLER AVE</b>					
* ULOE1	17+36.50	RT-11.45	3" PVC ELEC	863.14	OK, STORM UNDER ELEC, U-2
* ULOE2	20+59.00	RT-8.45	3" PVC ELEC	877.70	OK, STORM UNDER ELEC, U-3
* ULOE2OLD	20+59.20	RT-8.45	3" STEEL ELEC ABAN	877.30	OK, STORM UNDER ELEC, U-3
* ULOE3	31+70.52	RT-10.48	3" PVC ELEC	861.98	IN CONFLICT, MGE TO RELOCATE, U-5

## PROPOSED CIPP STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	NOTES
<b>OAKRIDGE AVE</b>						
CIPP-1	S-40	S-42	348.00	15"	VP	-
CIPP-2	S-42	S-44	229.0	12"	VP	-

## CATCH BASIN ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
<b>OAKRIDGE AVE</b>						
ADJ1	24+30.50	RT-8.00	882.79	882.89	-0.10	-
ADJ2	37+71.75	RT-9.50	891.23	891.38	-0.15	-
<b>MILLER AVE</b>						
ADJ3	25+43.50	RT-10.00	873.30	873.49	-0.19	-

## ABANDON STORM SEWER BOX

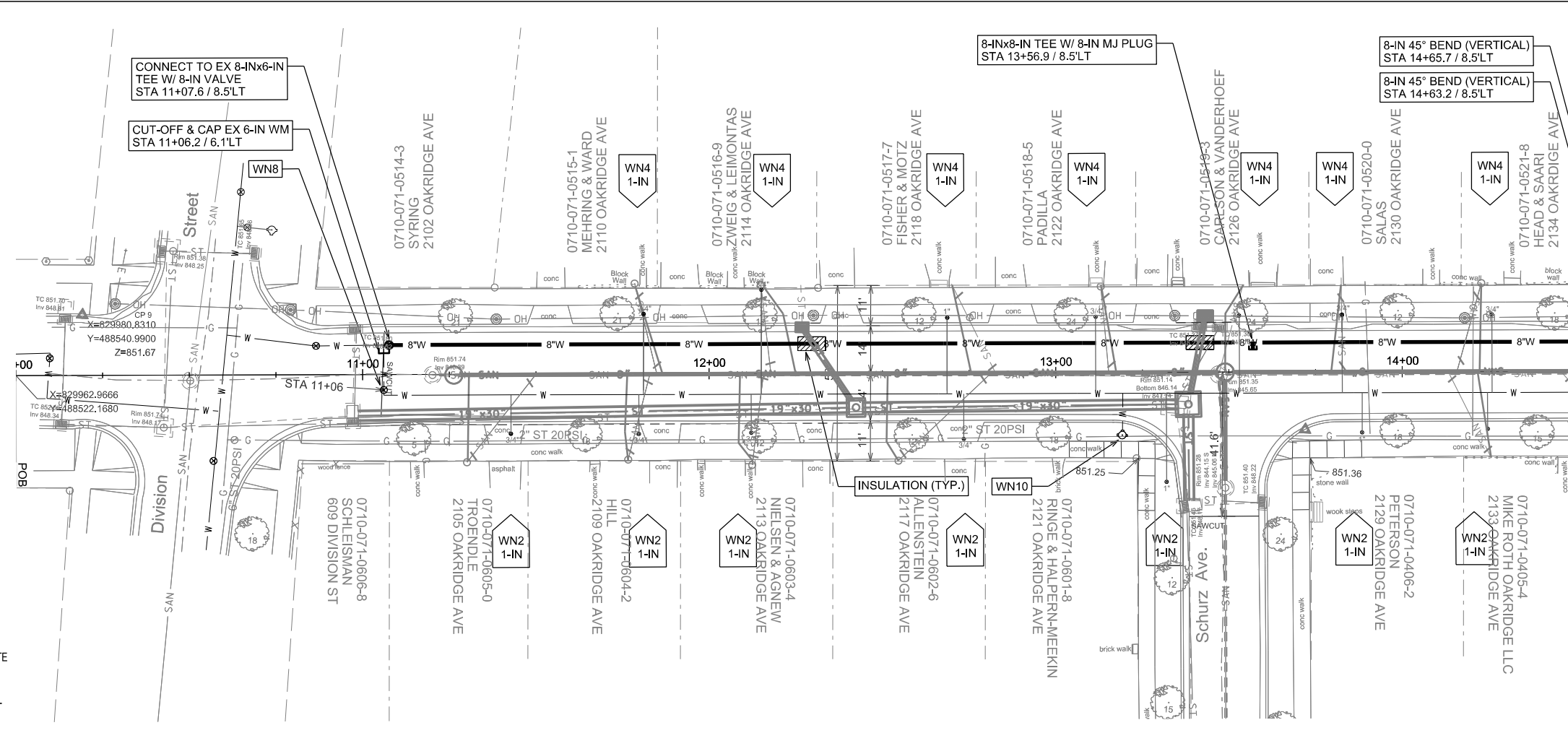
PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH	PIPE SIZE	TYPE	NOTES
<b>MILLER AVE</b>						
AP-34	RS-33	S-35A	192.00	36"X30"	BOX	(7)

## SPECIFIC NOTES

- (6) ULO TO BE COMPLETED PRIOR TO ANY SEWER WORK
- (7) BID ITEM 90030

## STANDARD NOTES:

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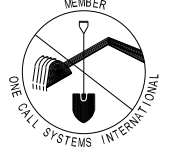


MATCHLINE STA 15+00.00

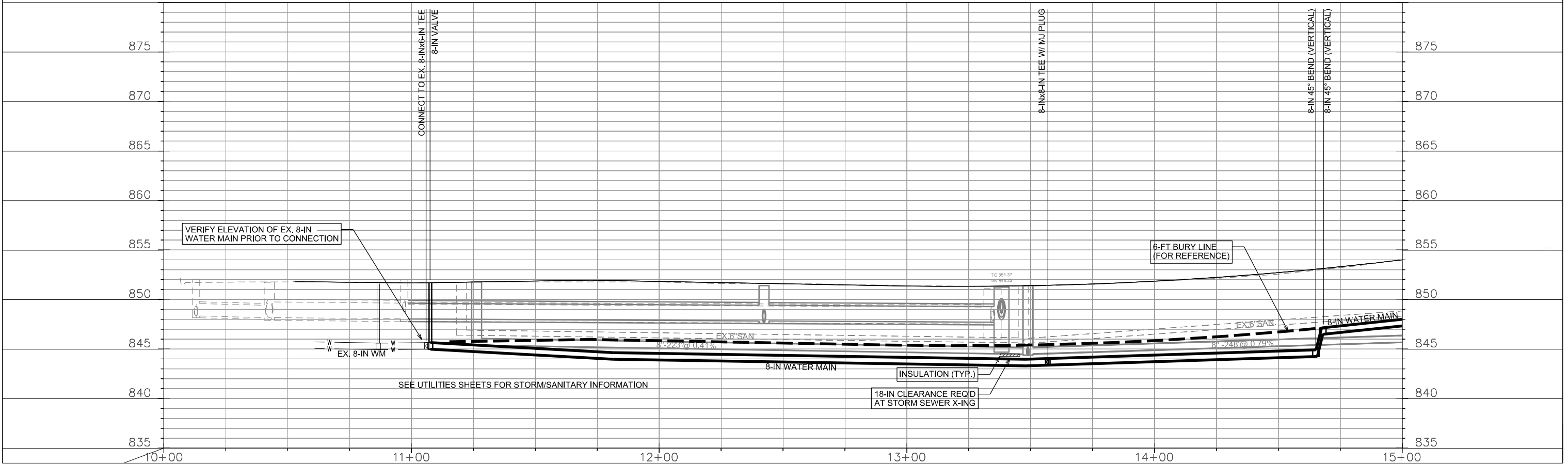
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TOLL FREE  
811 OR 1-800-242-9511  
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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



DISCLAIMER NOTE:  
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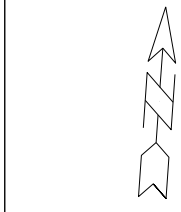


PLOT SCALE: \_\_\_\_\_

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

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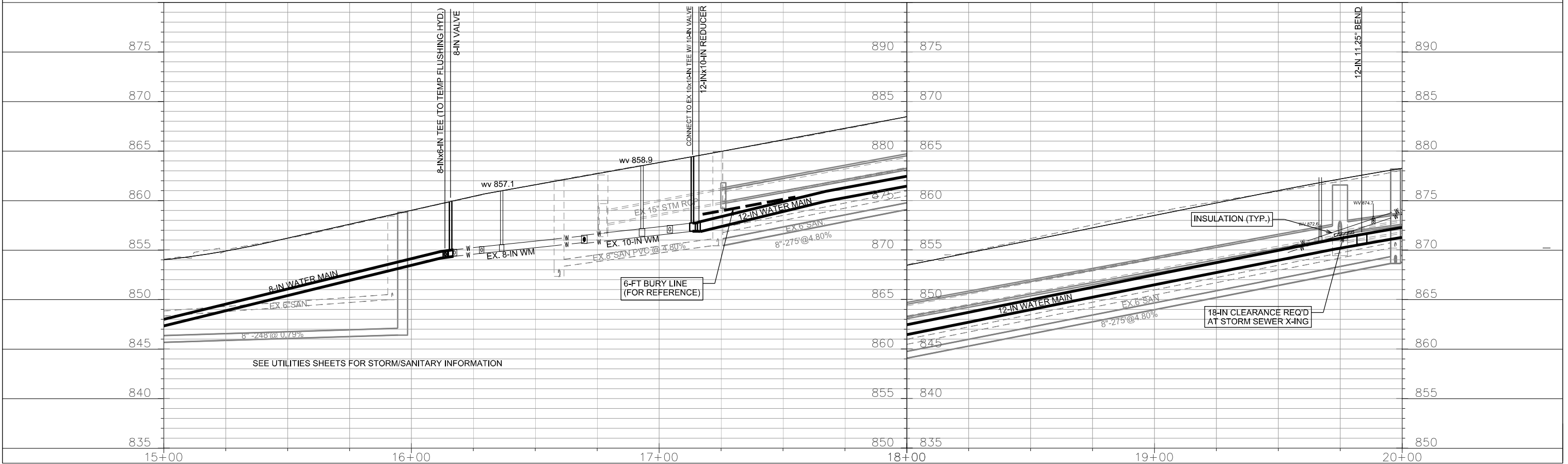
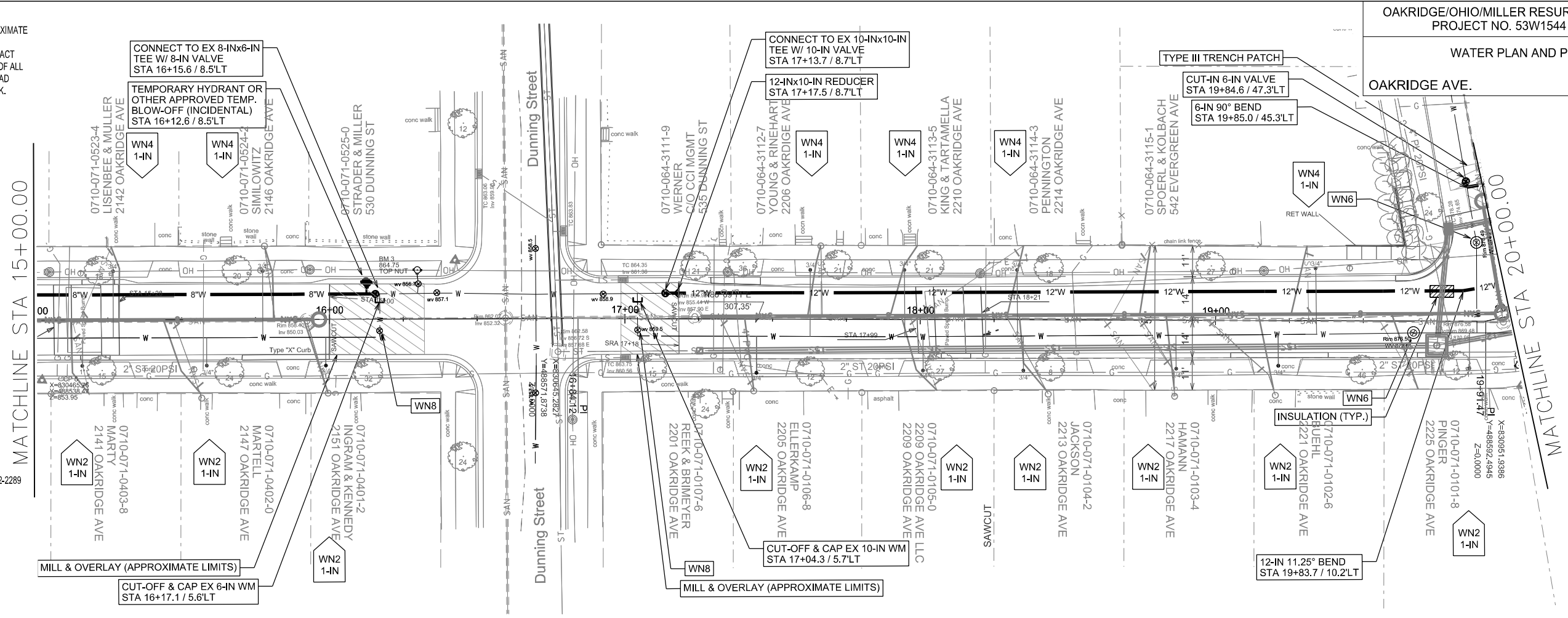
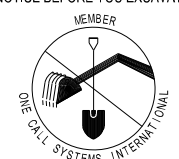
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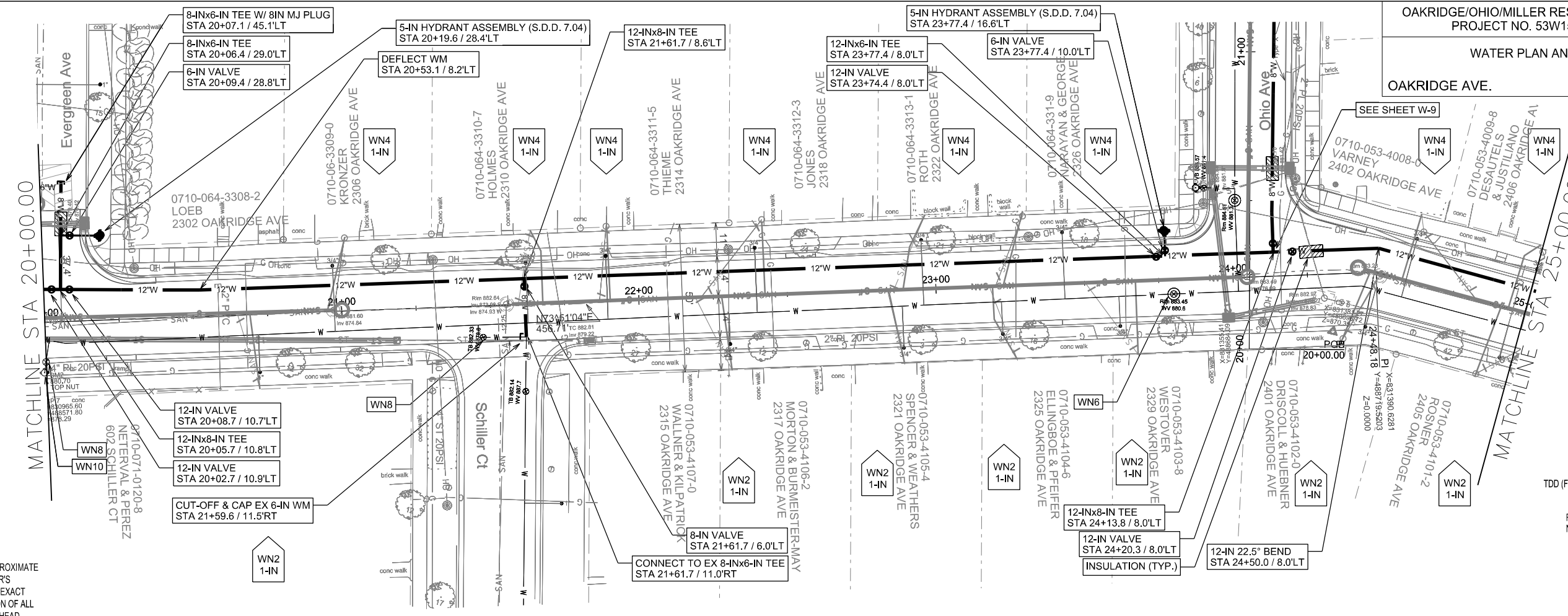


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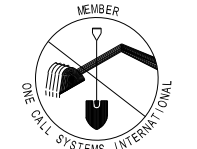
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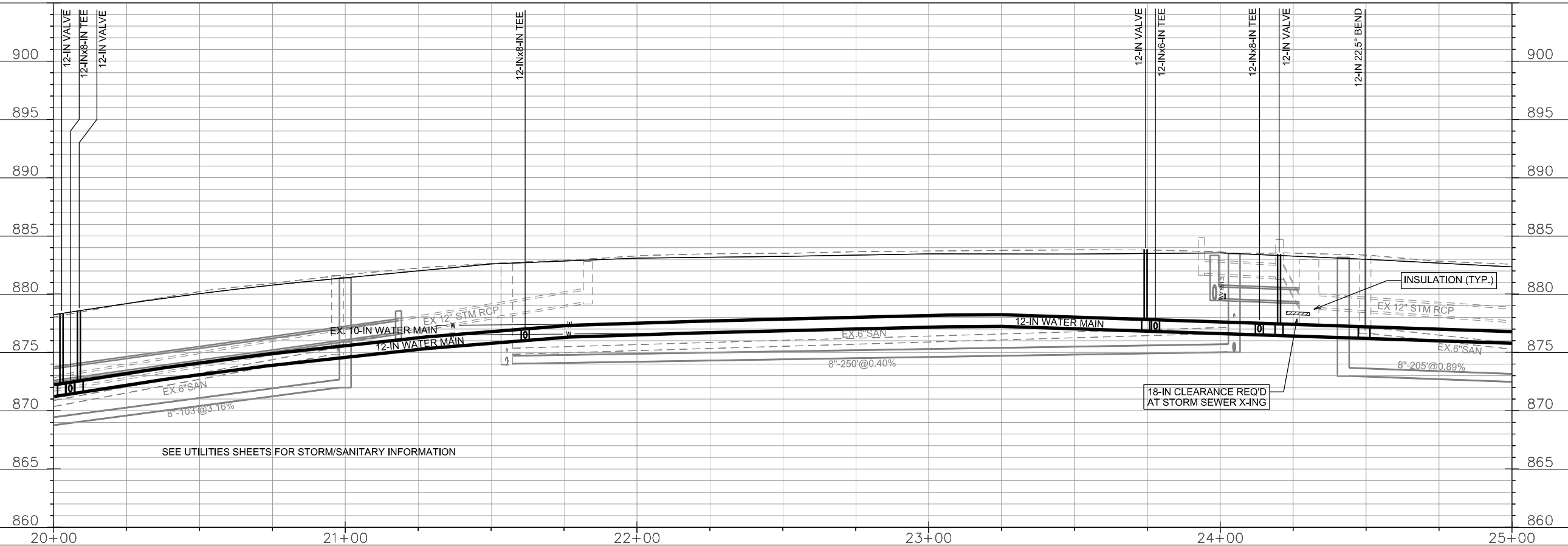
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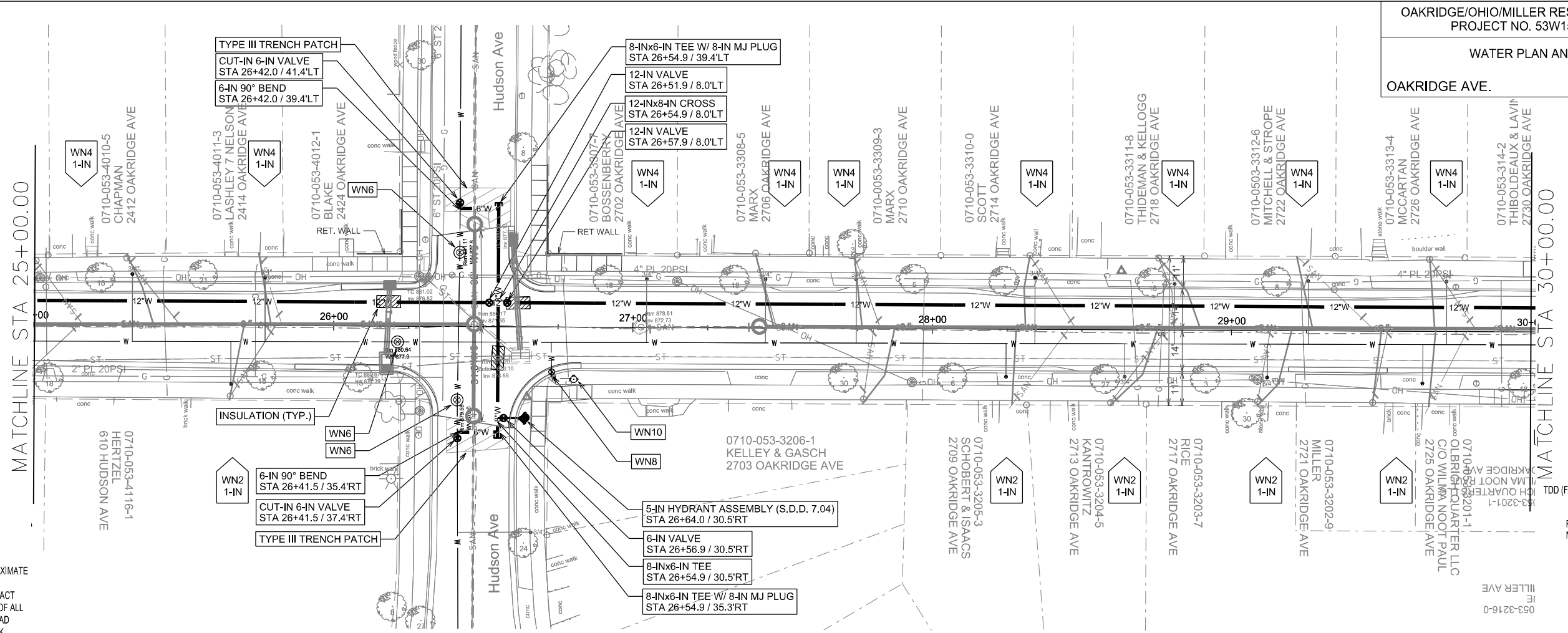


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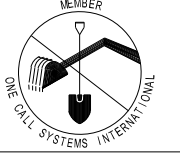
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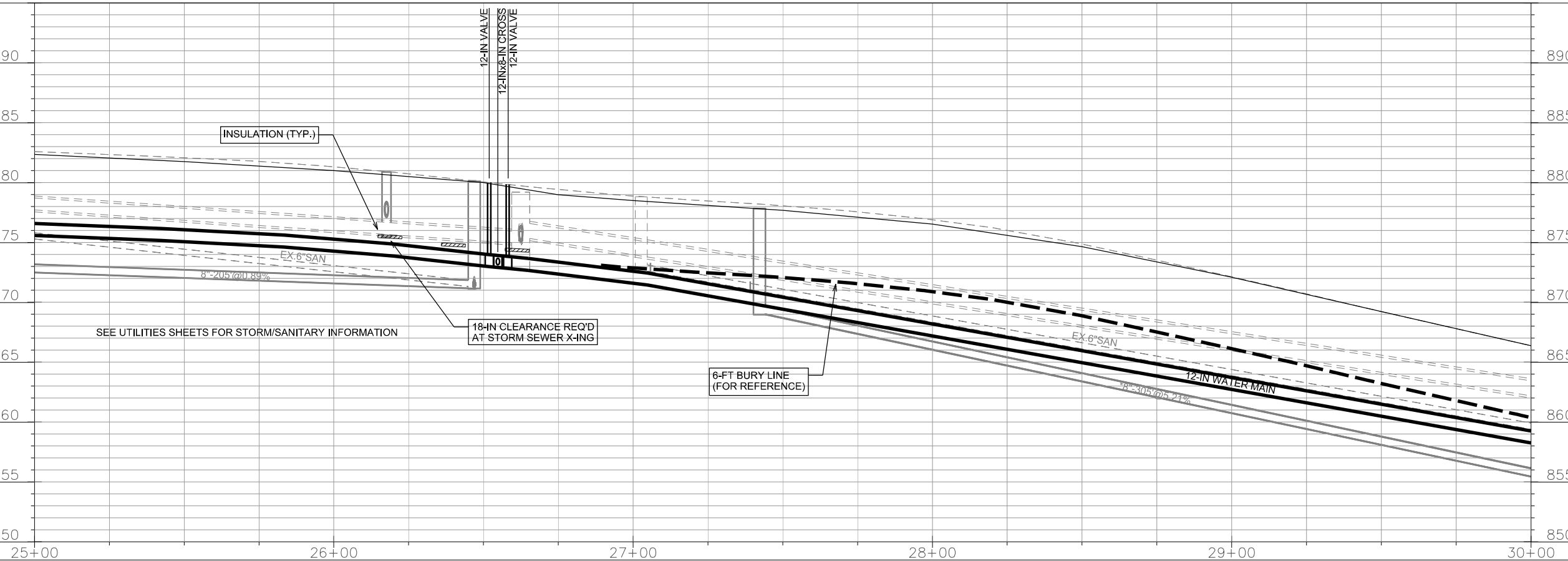
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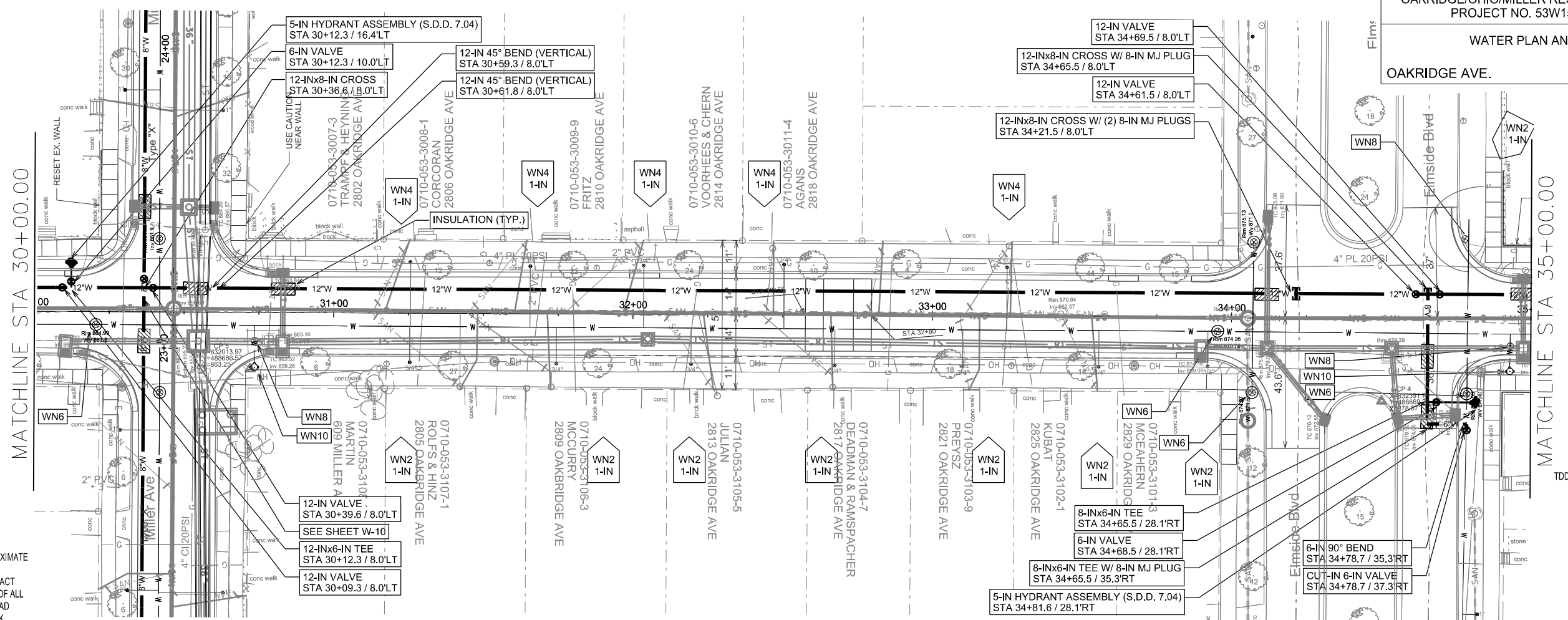
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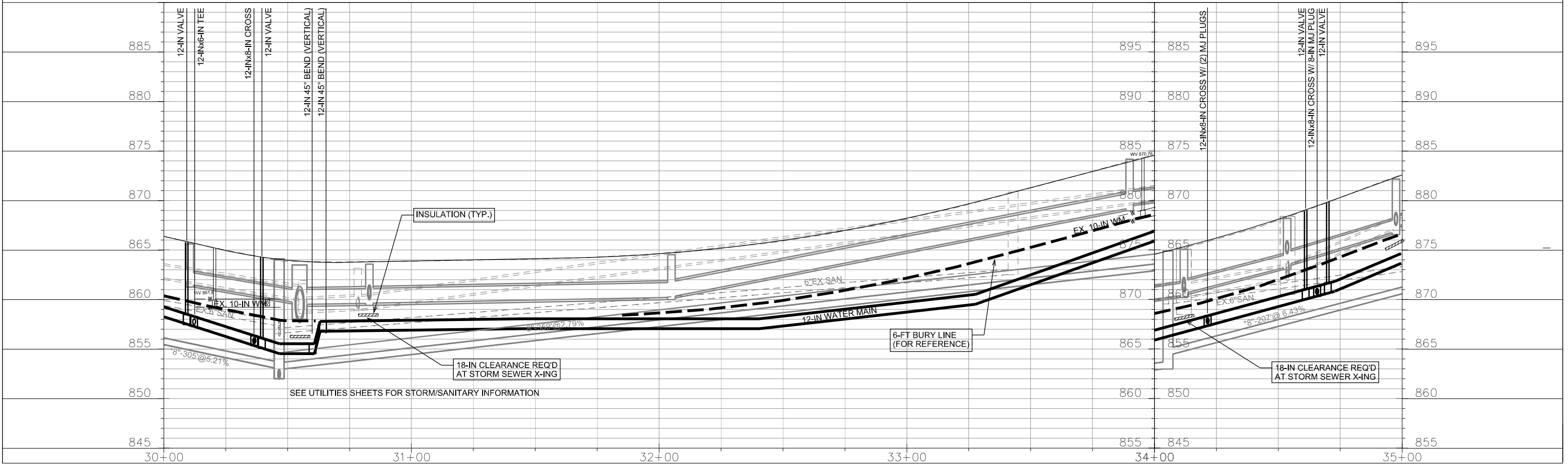
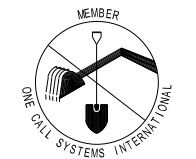


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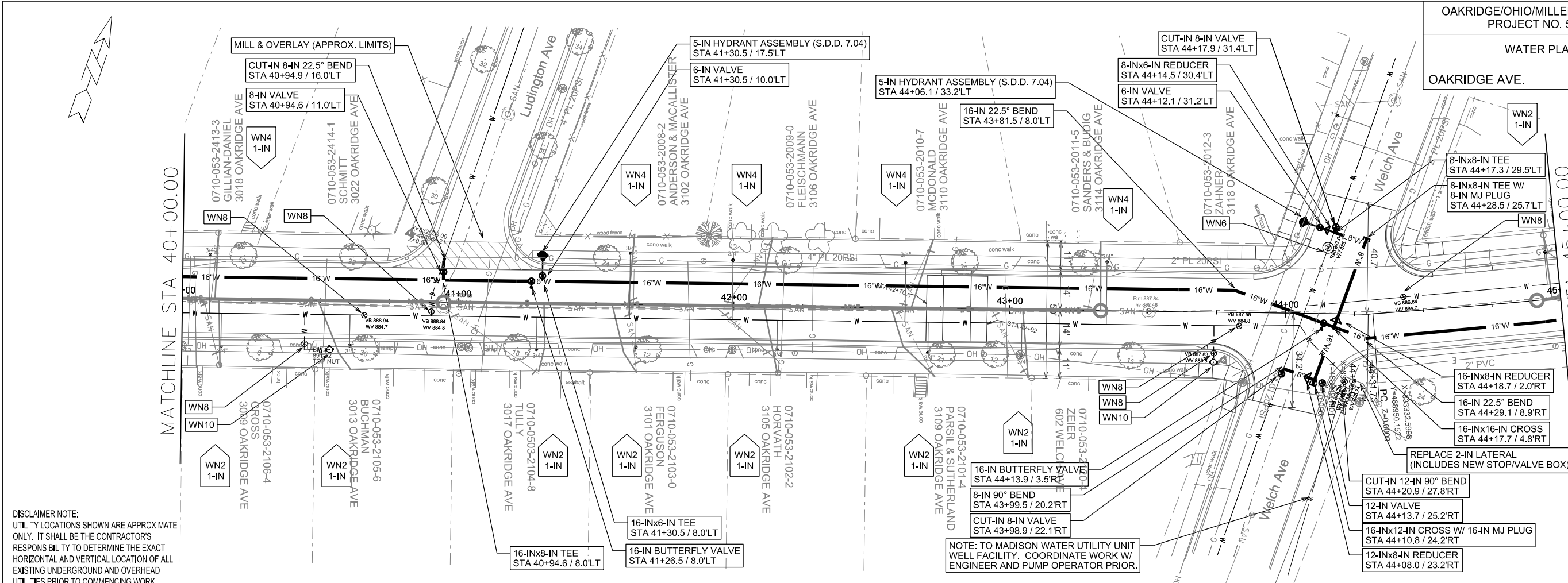
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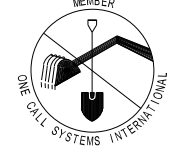
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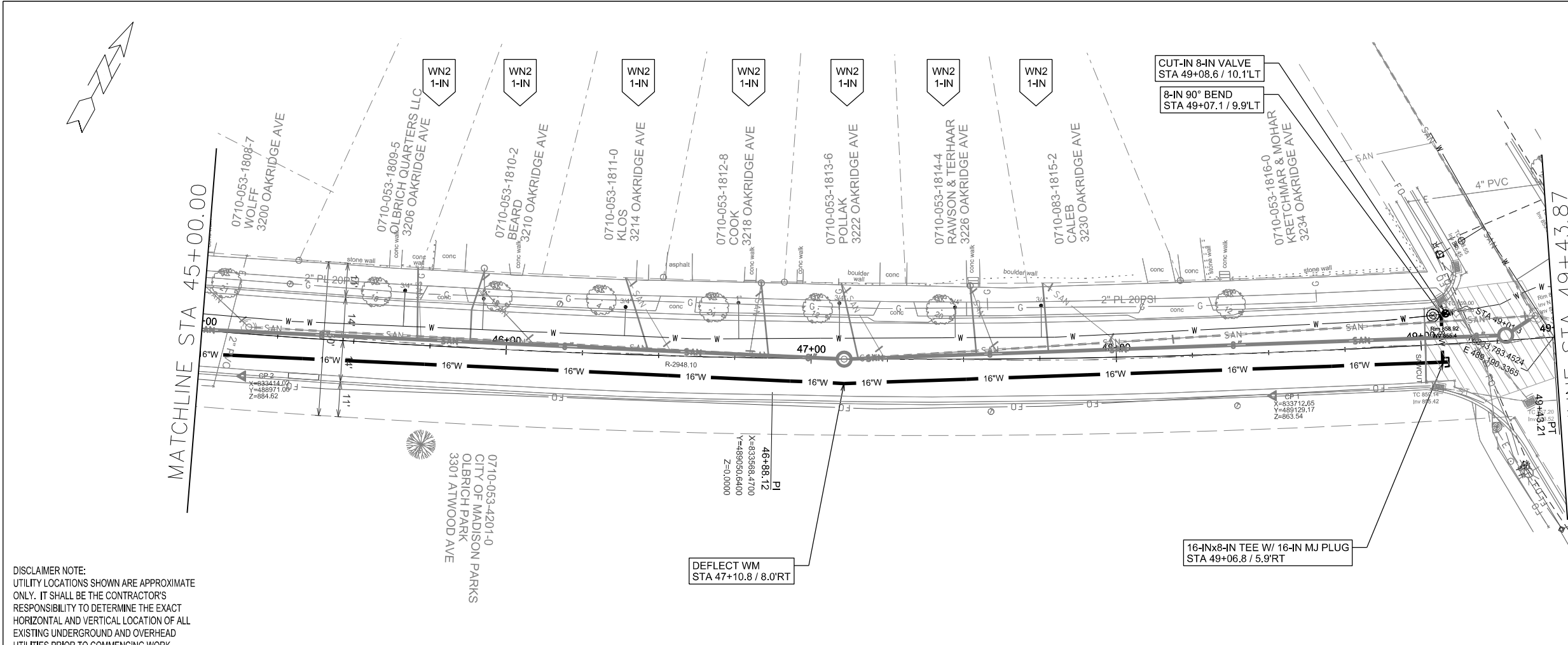
NOTE: TO MADISON WATER UTILITY UNIT WELL FACILITY. COORDINATE WORK W/ ENGINEER AND PUMP OPERATOR PRIOR.



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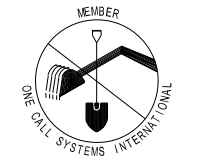
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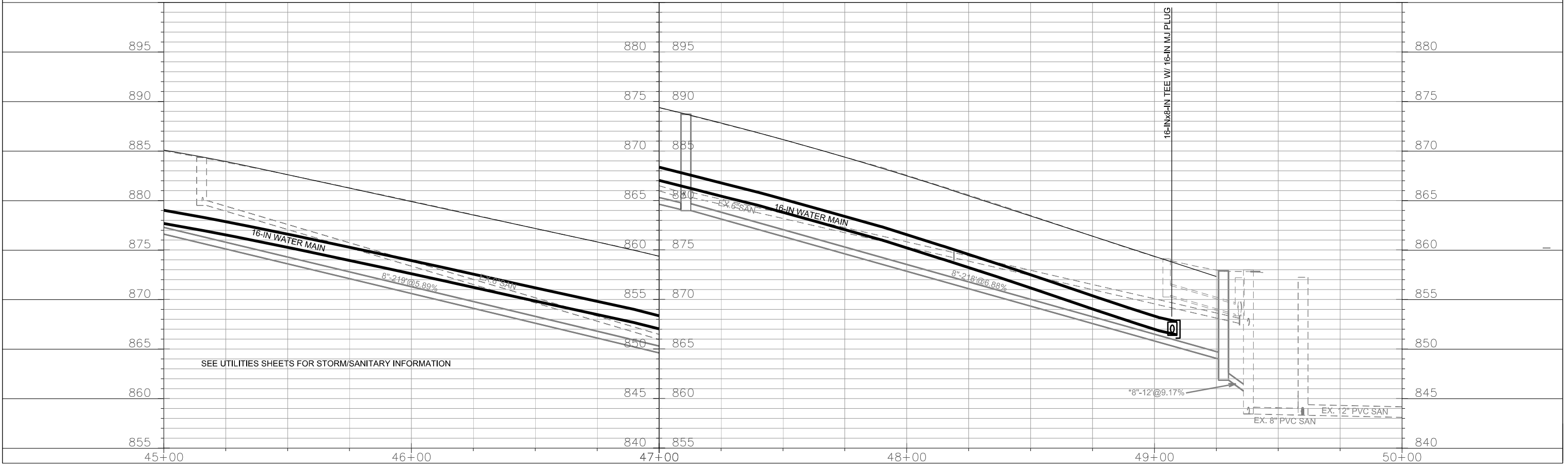
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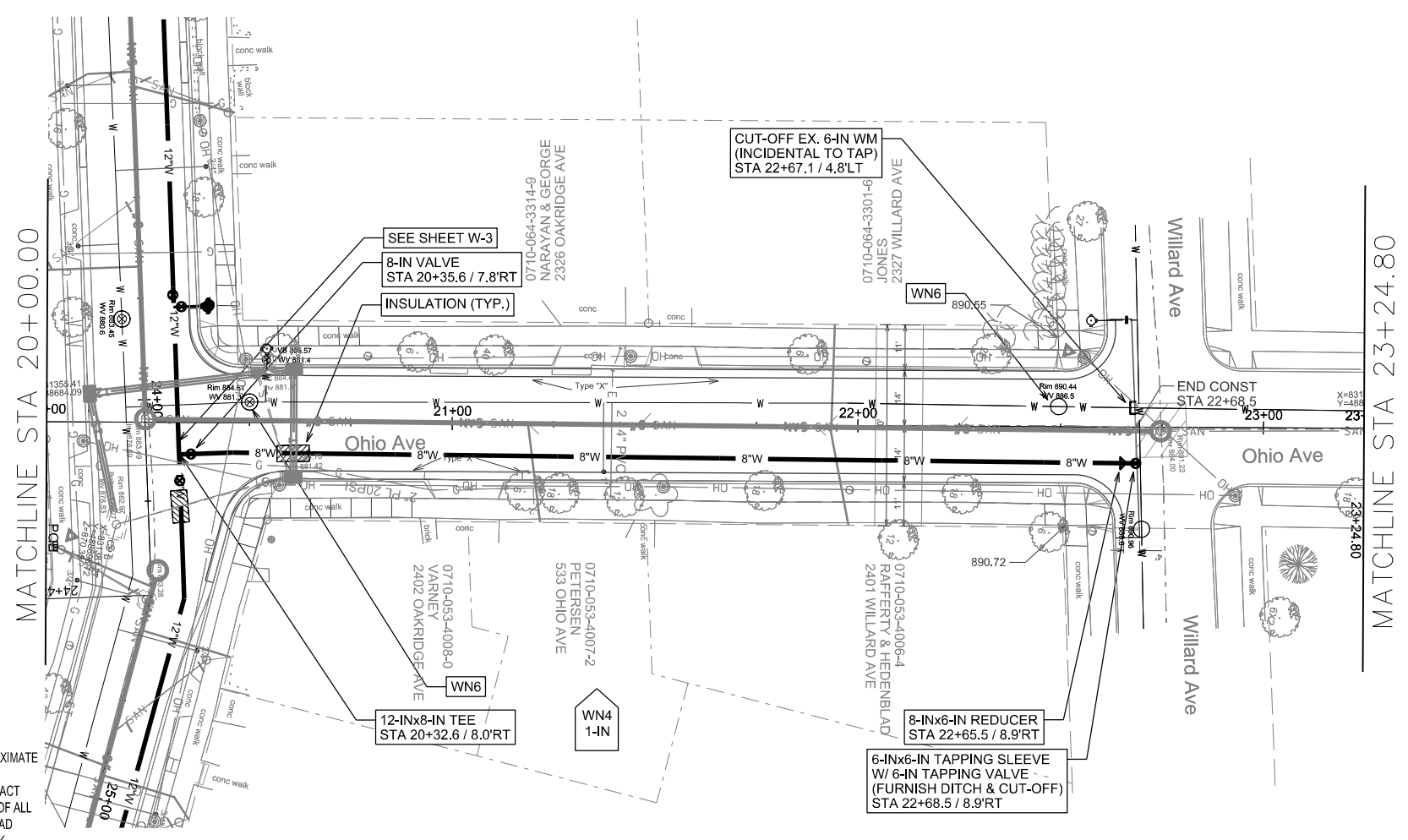


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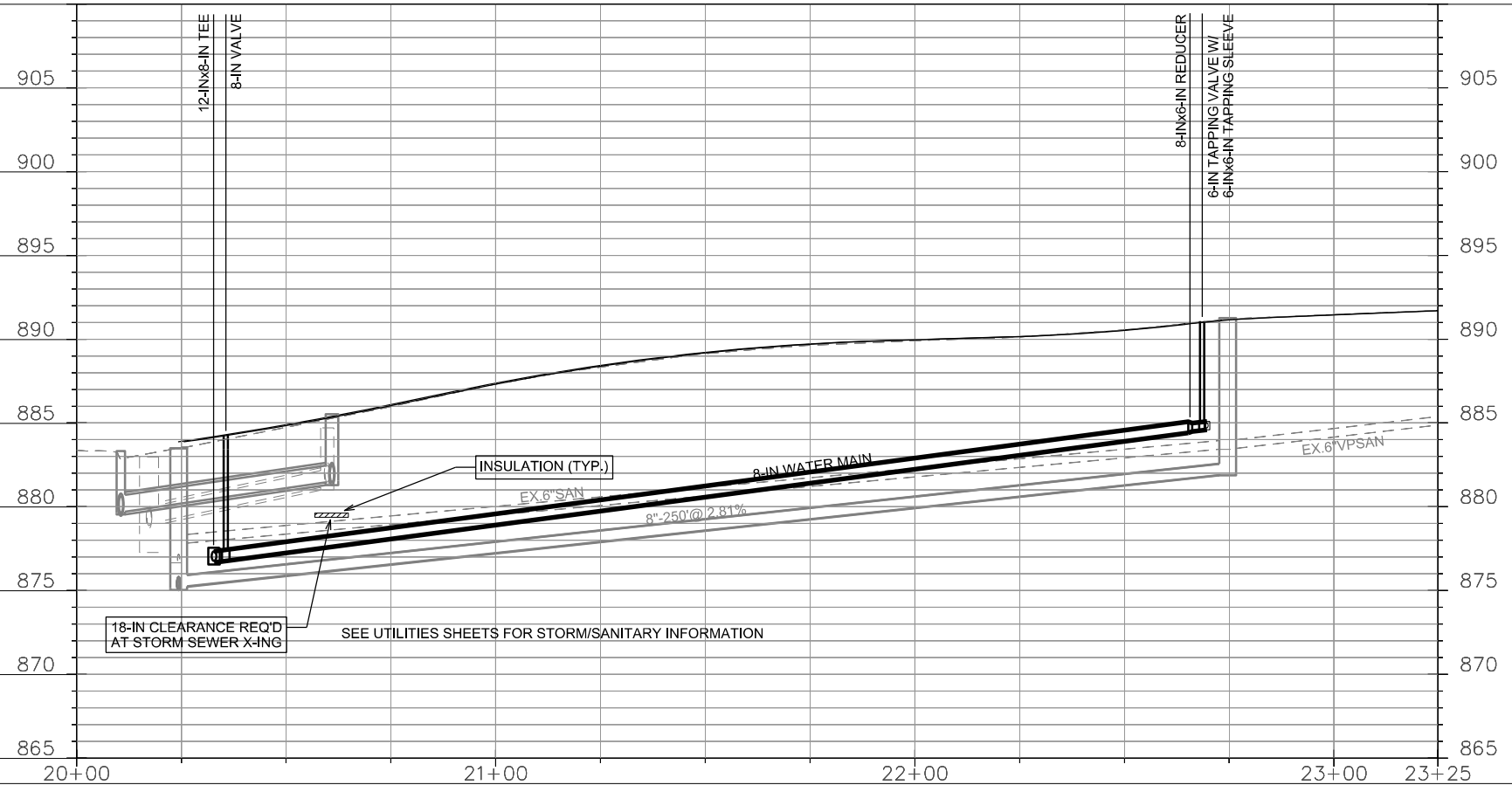
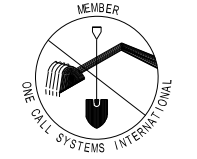


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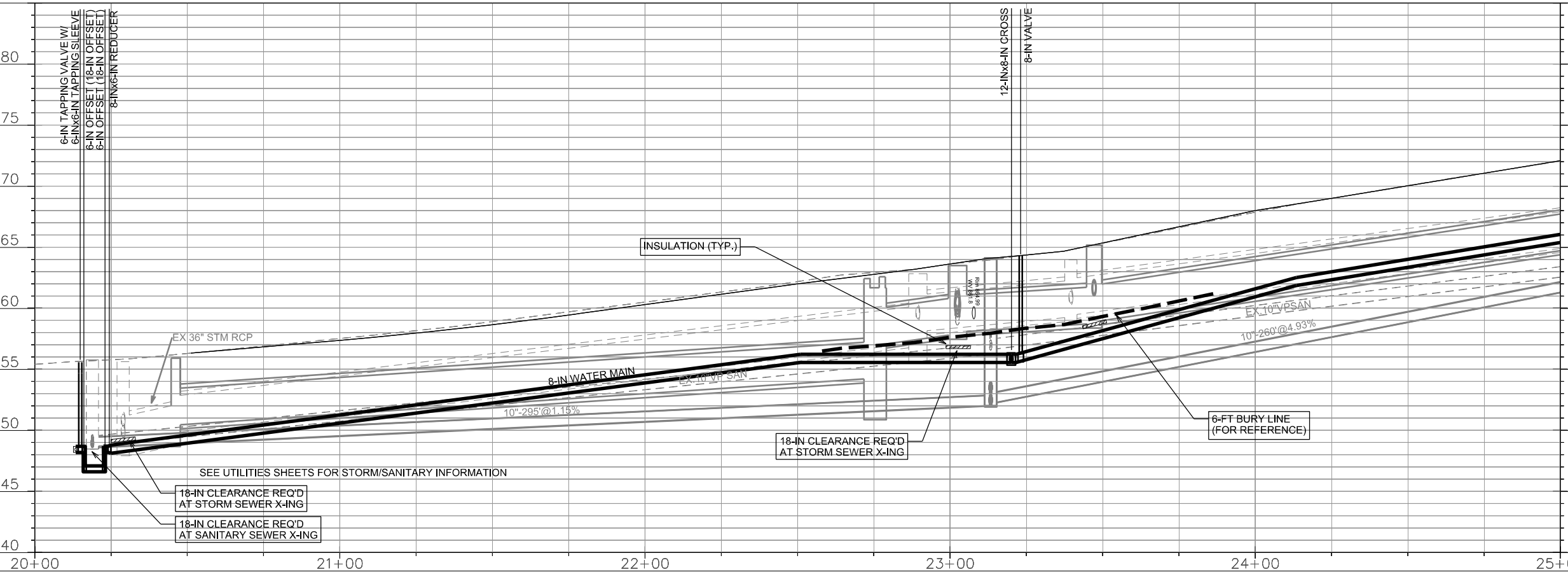
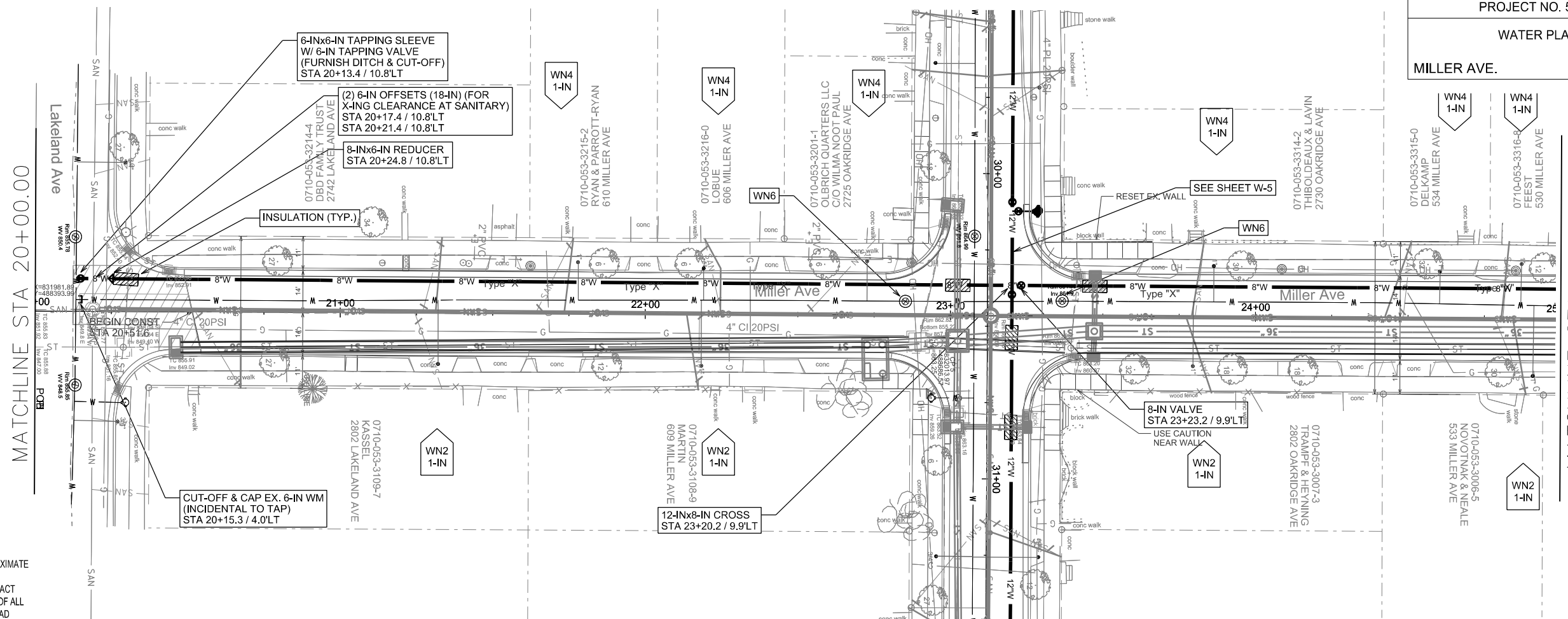
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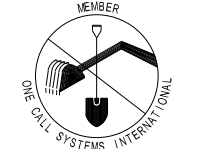


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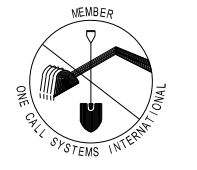
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WATER PLAN AND PROFILE  
MILLER AVE. CITY OF MADISON

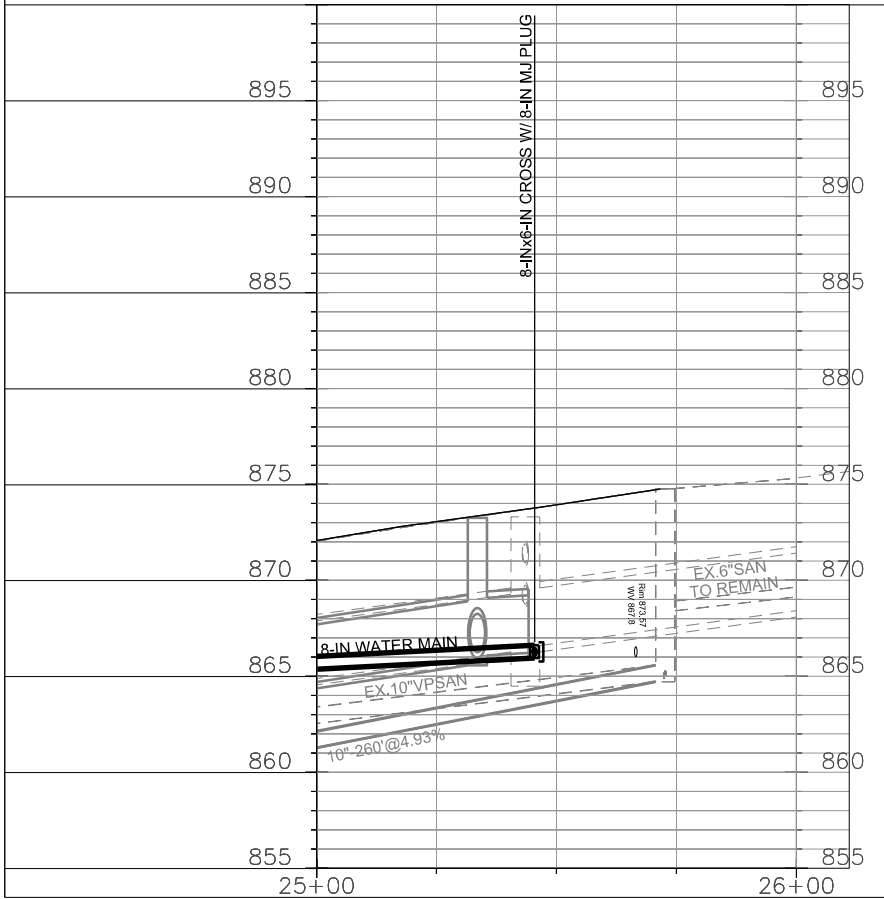
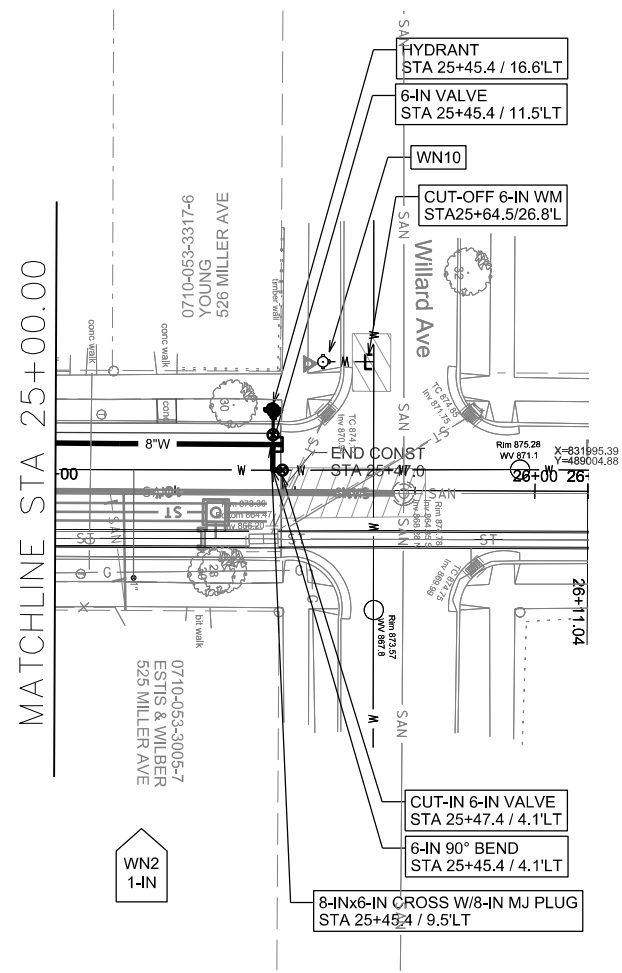


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 ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OAKRIDGE AVE

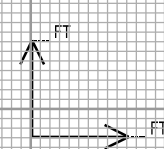
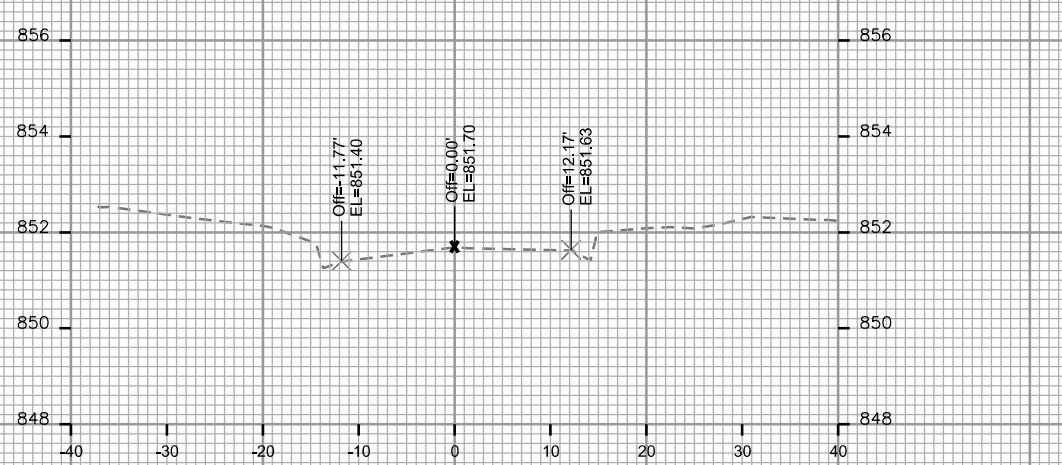
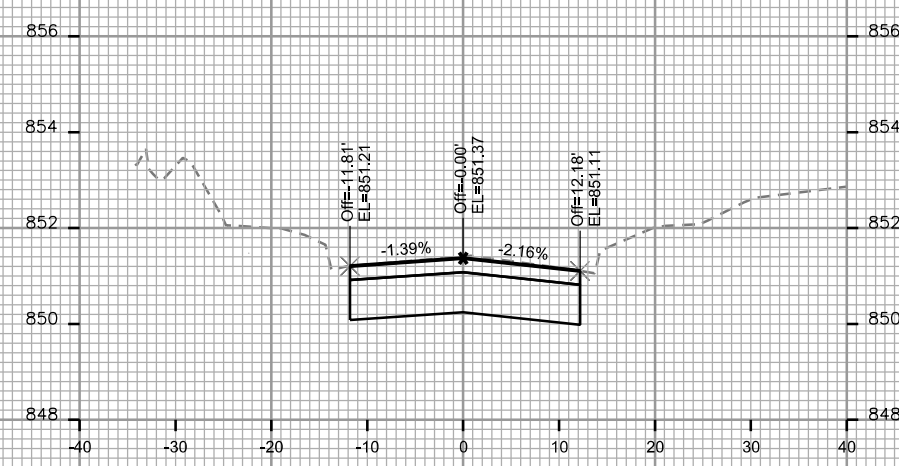
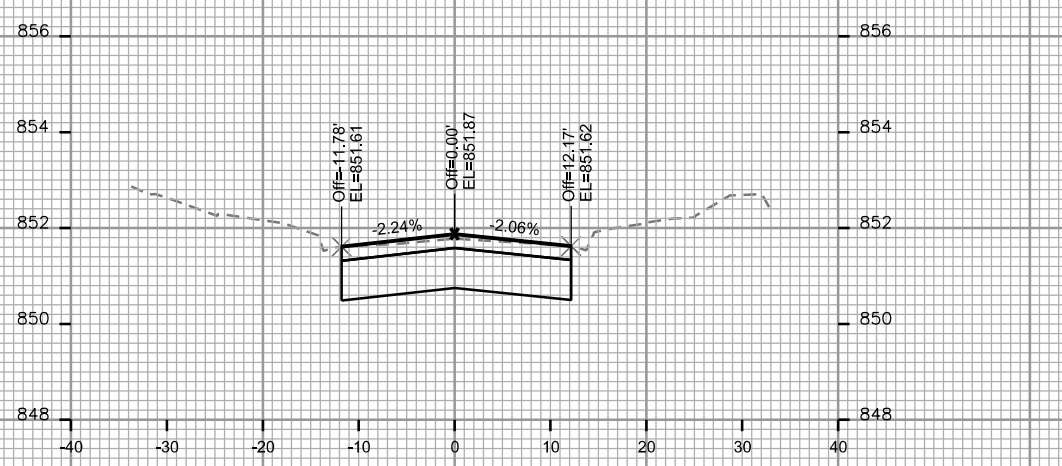
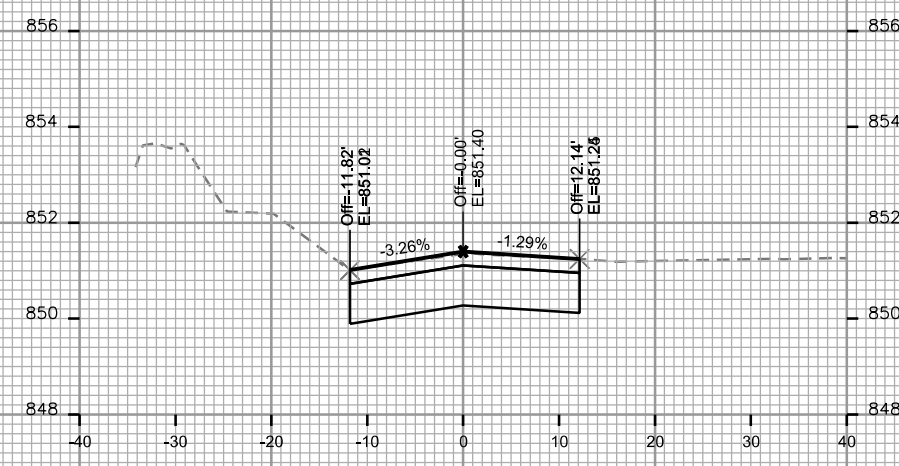
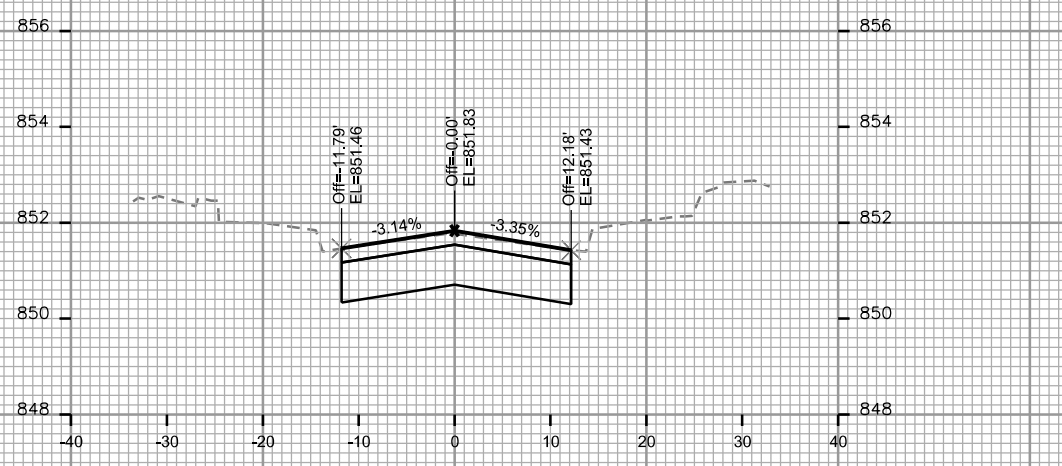
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OAKRIDGE AVE

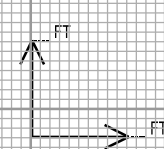
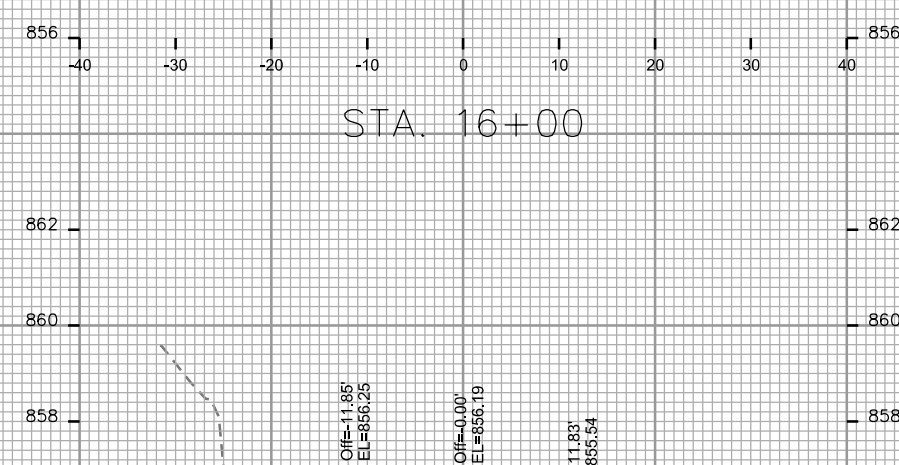
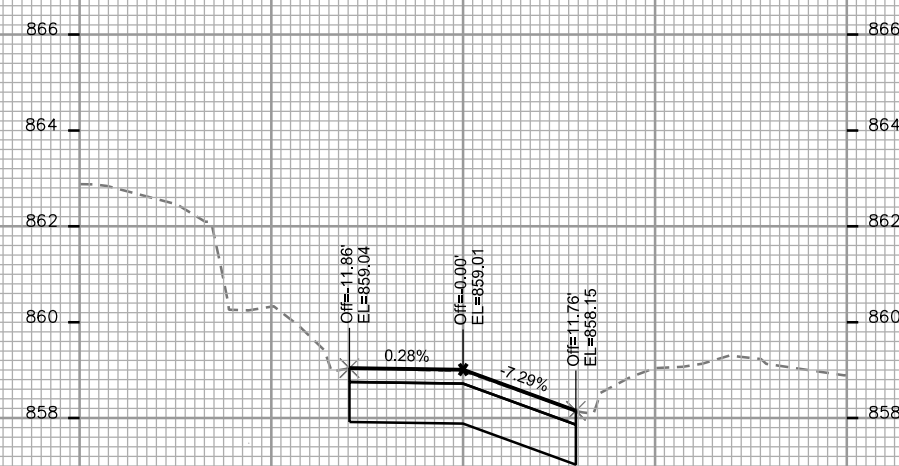
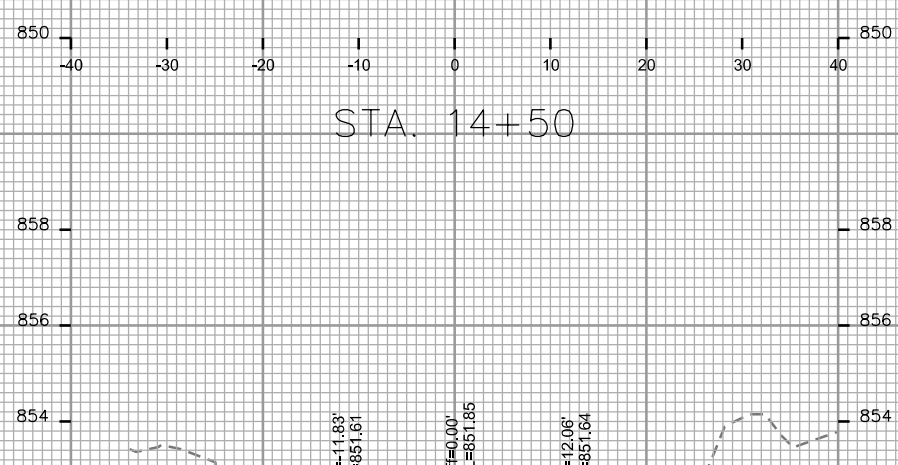
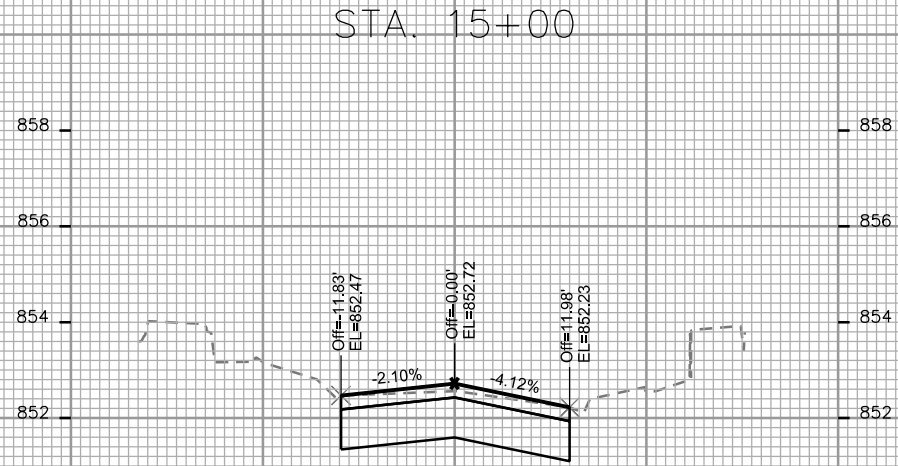
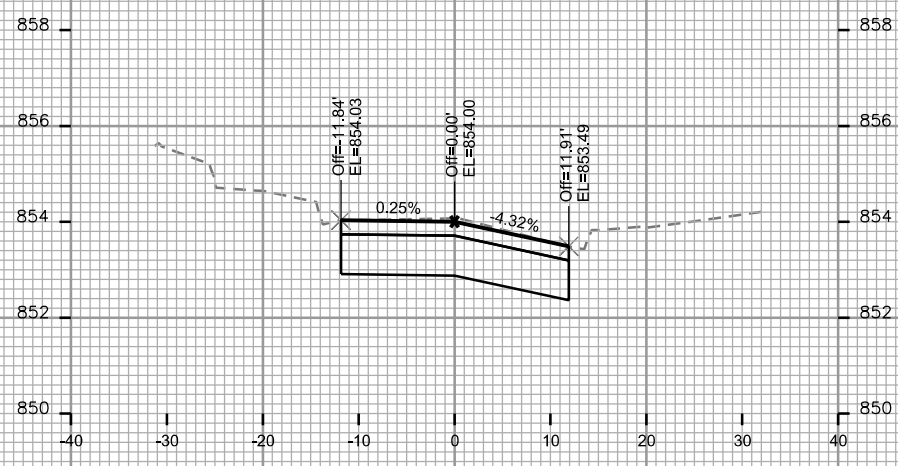
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





CROSS SECTIONS

OAKRIDGE AVE

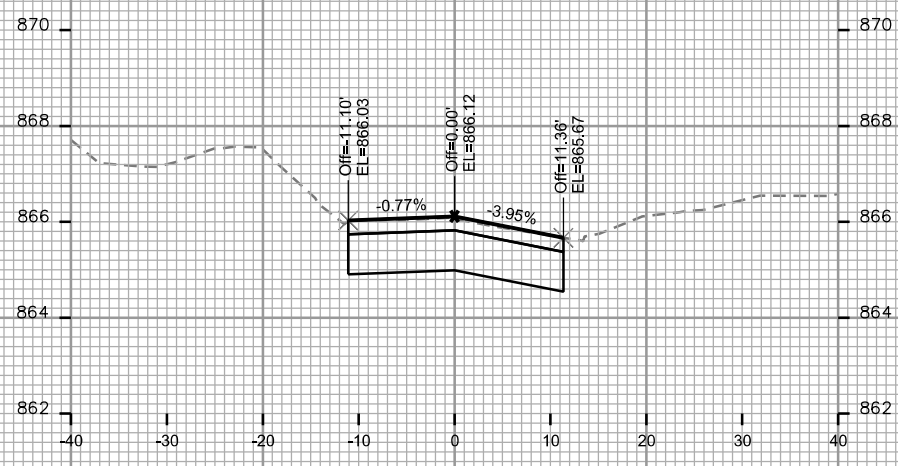
CITY OF MADISON

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

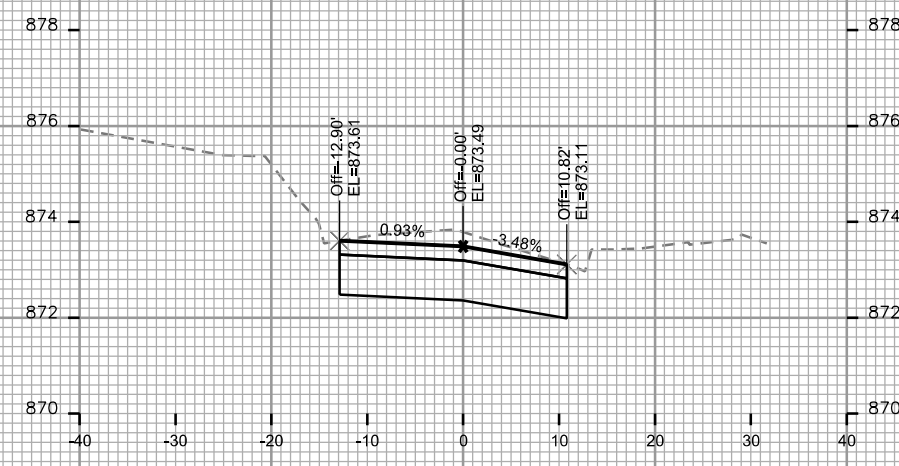
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REV. DATE: \_\_\_\_\_

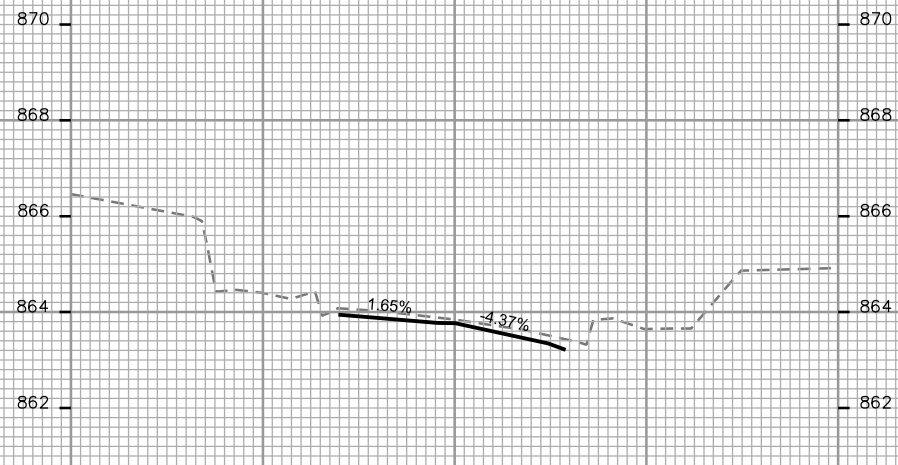
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



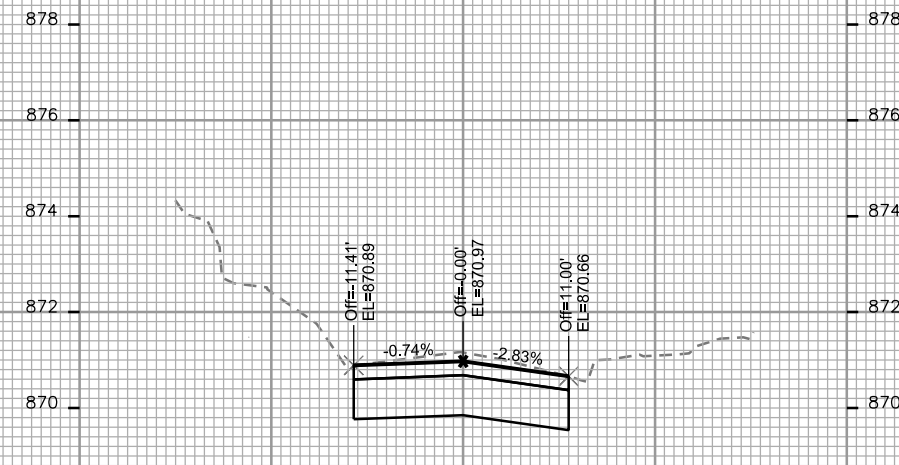
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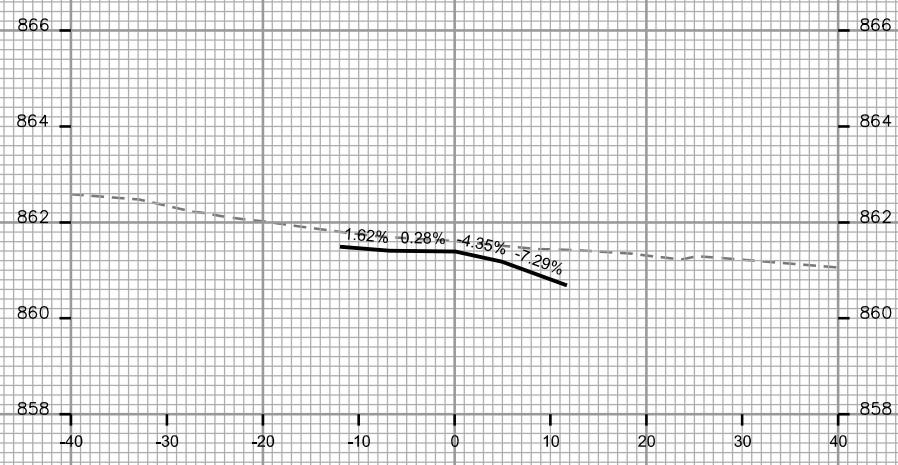
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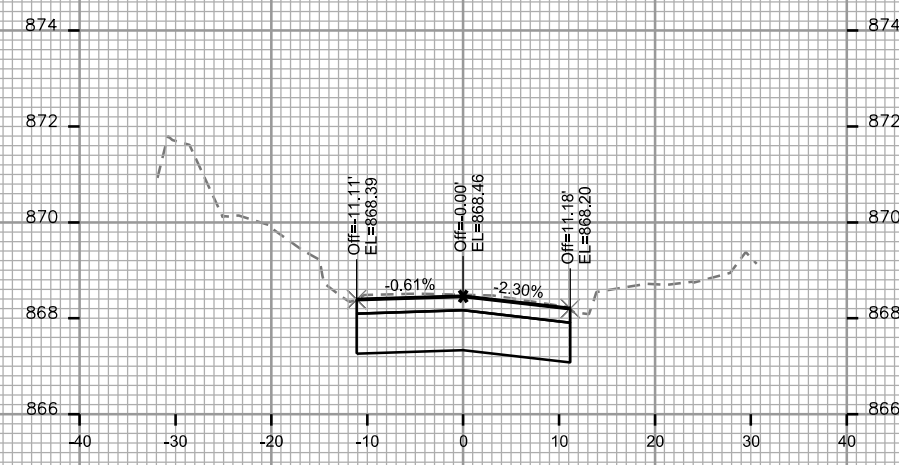
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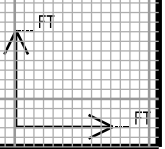
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STA. 16+50



STA. 18+00



CROSS SECTIONS

OAKRIDGE AVE

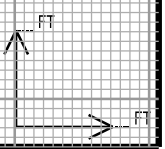
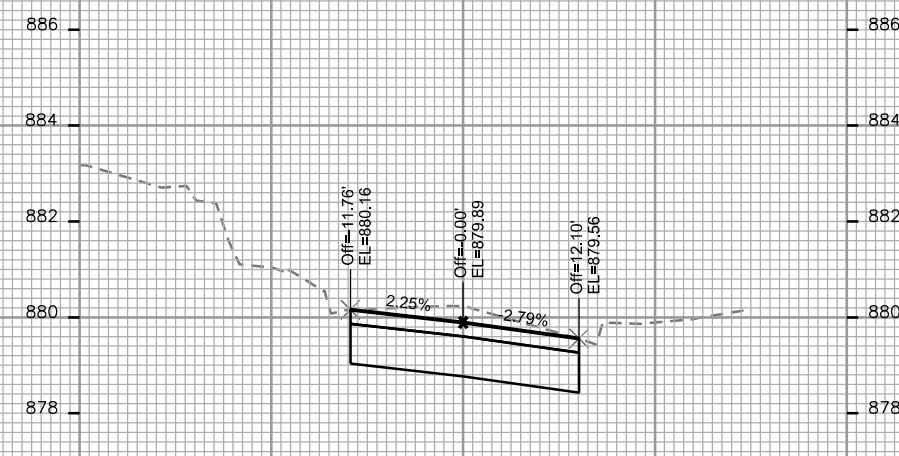
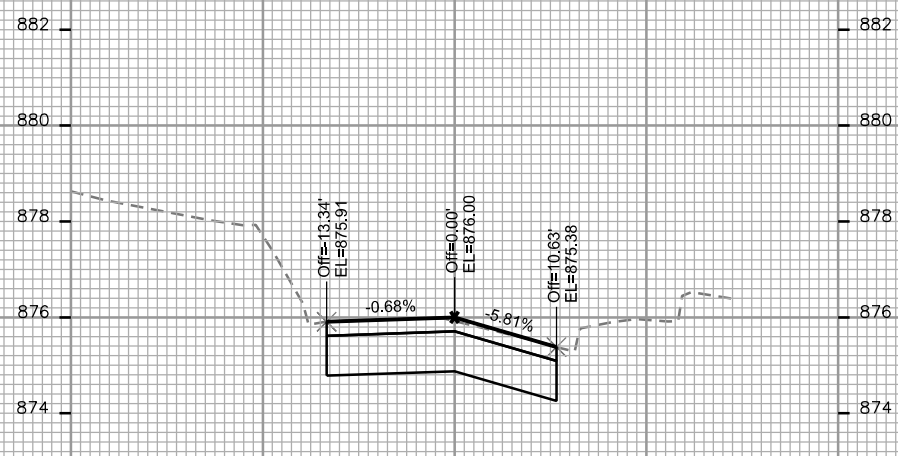
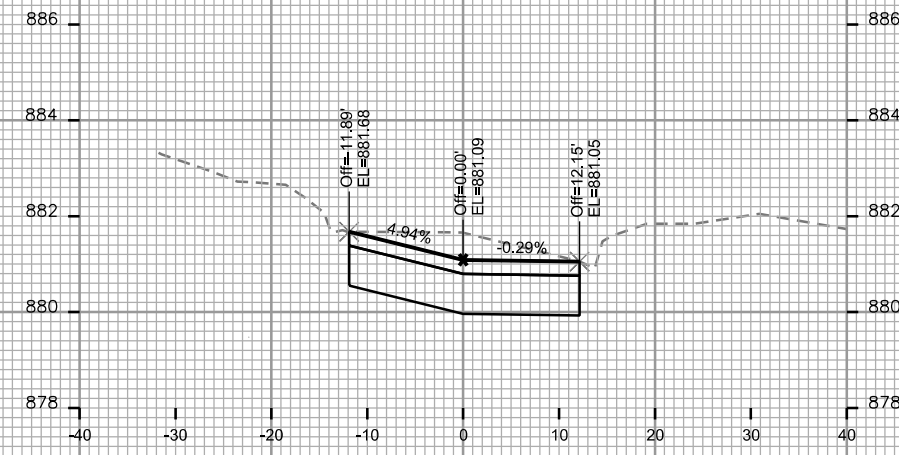
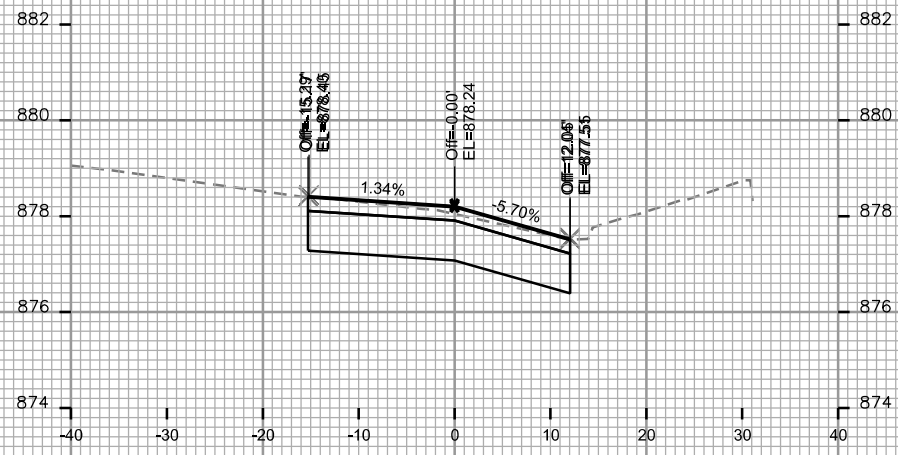
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OAKRIDGE AVE

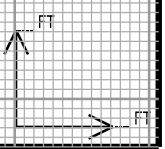
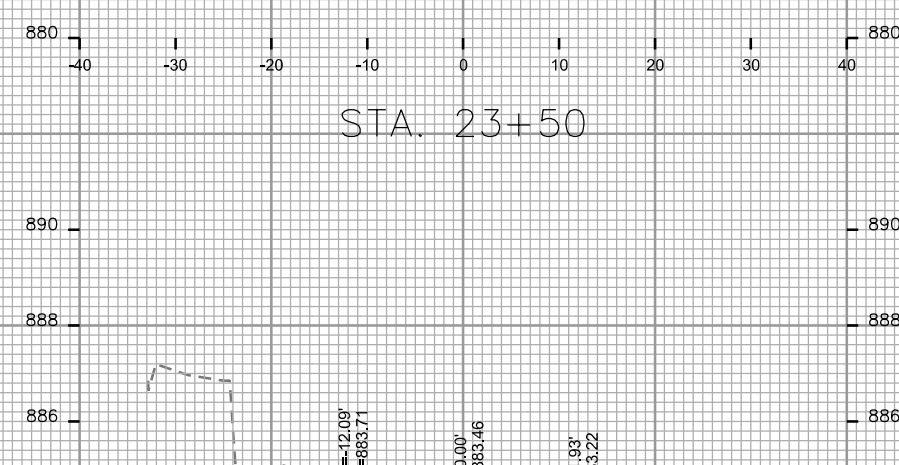
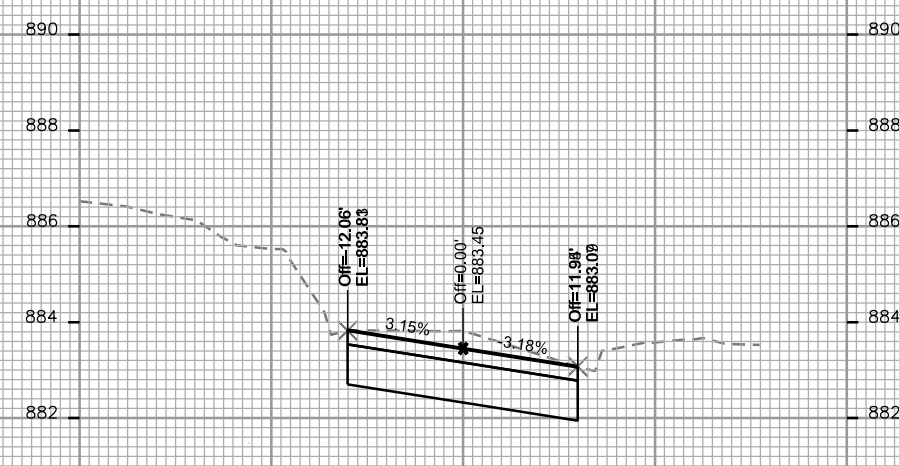
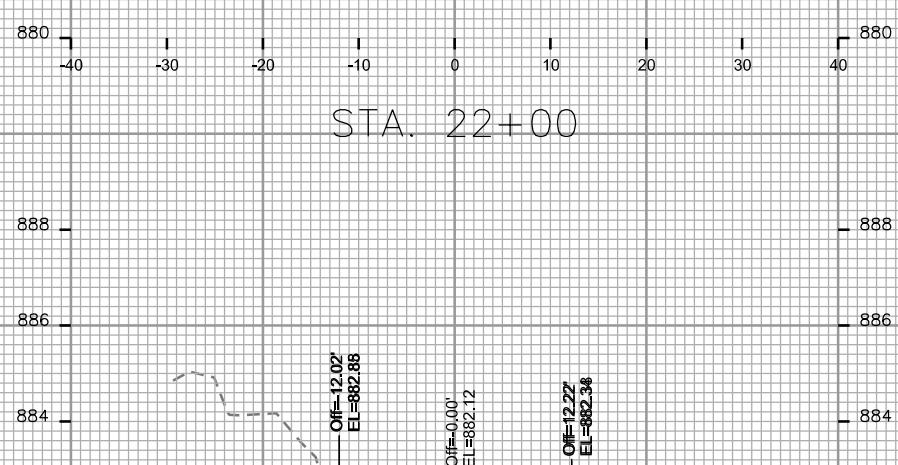
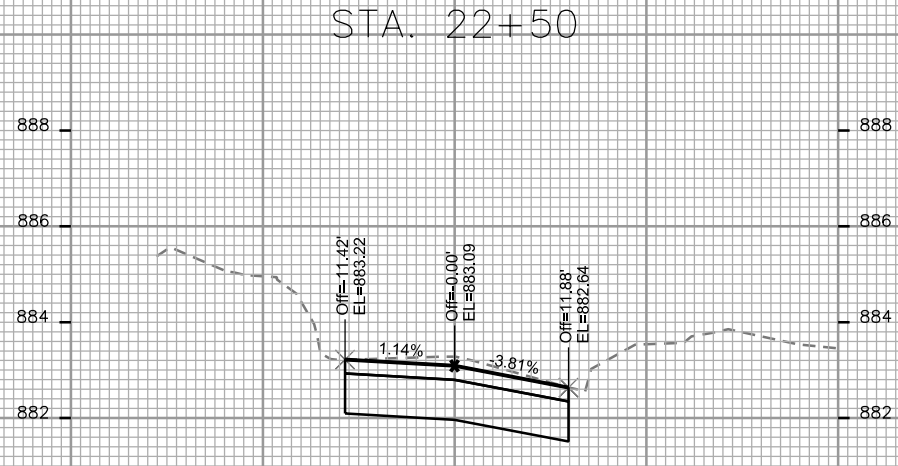
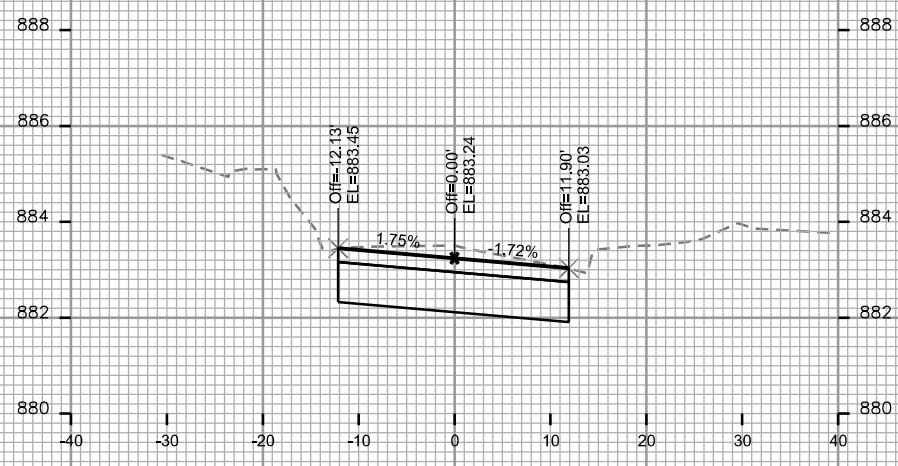
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OAKRIDGE AVE

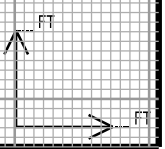
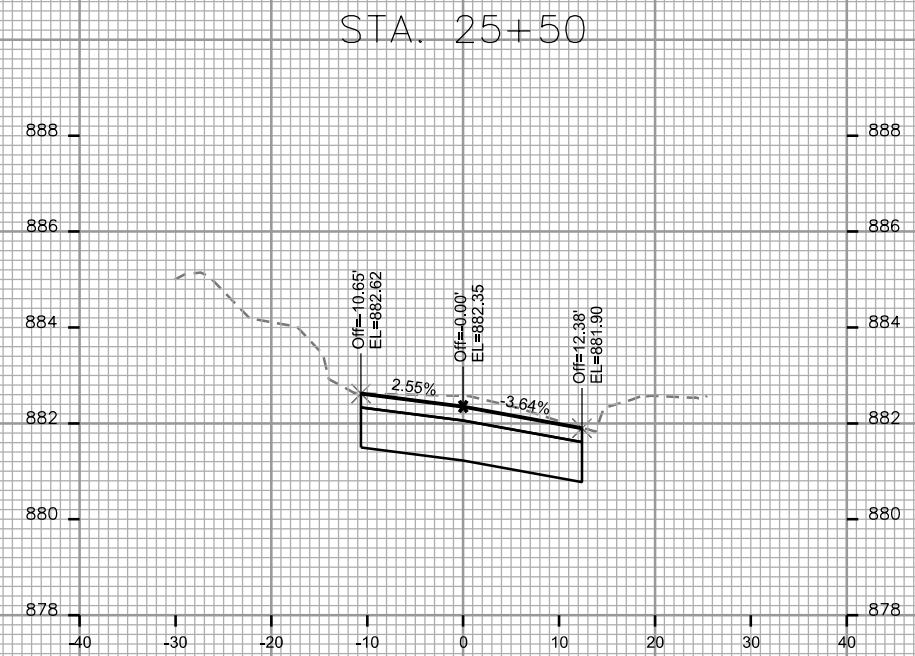
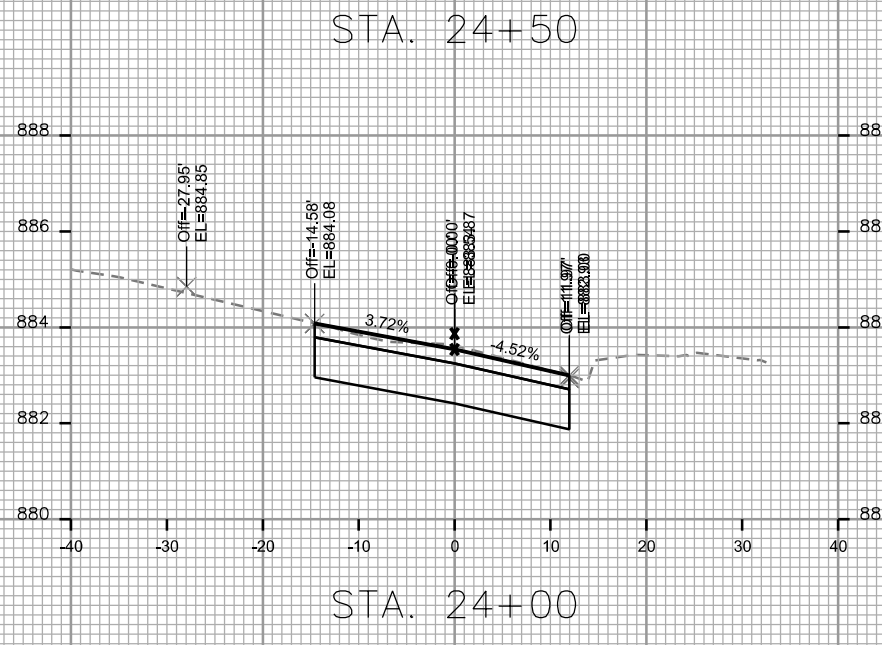
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

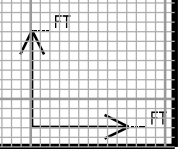
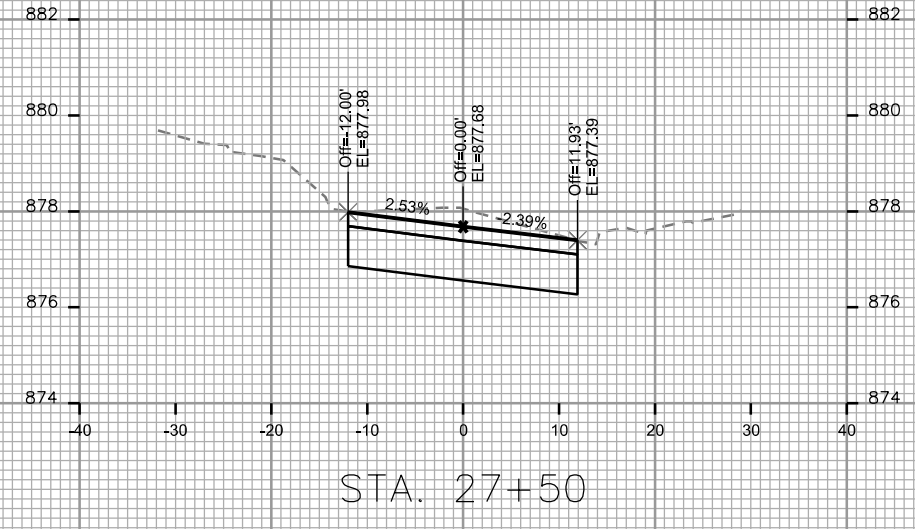
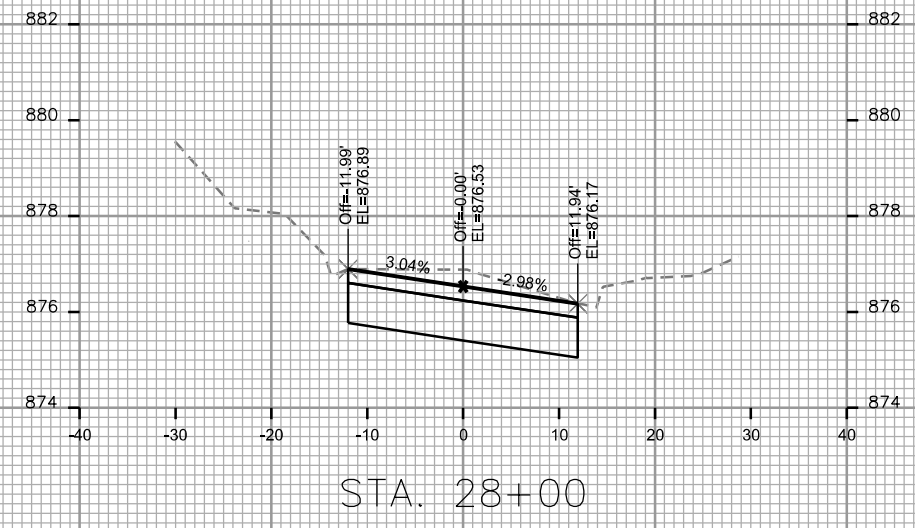
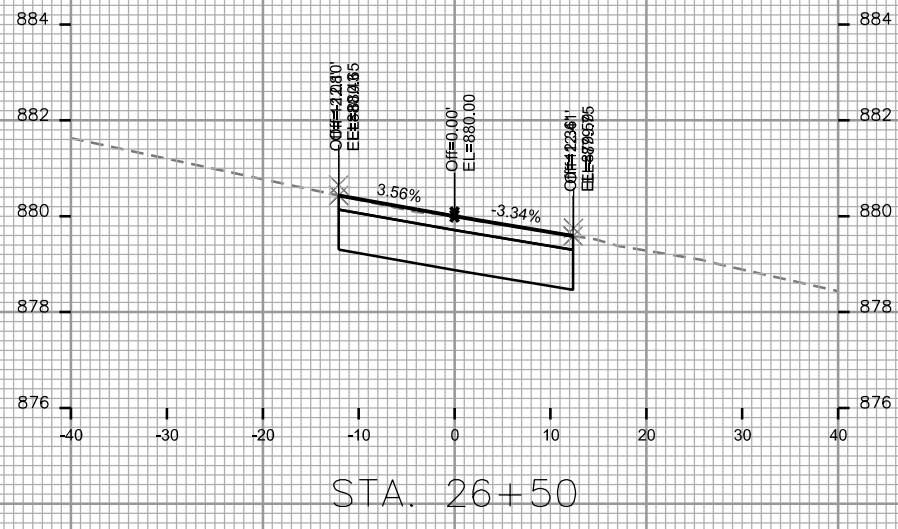
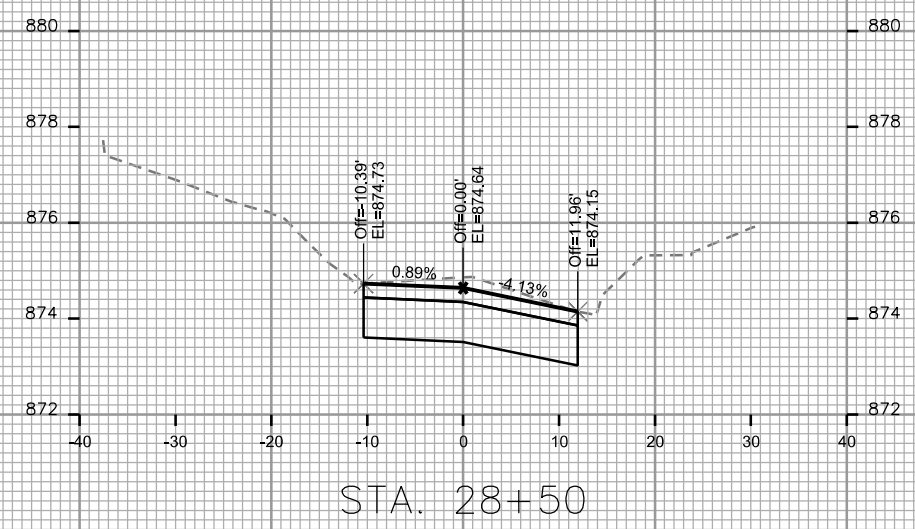
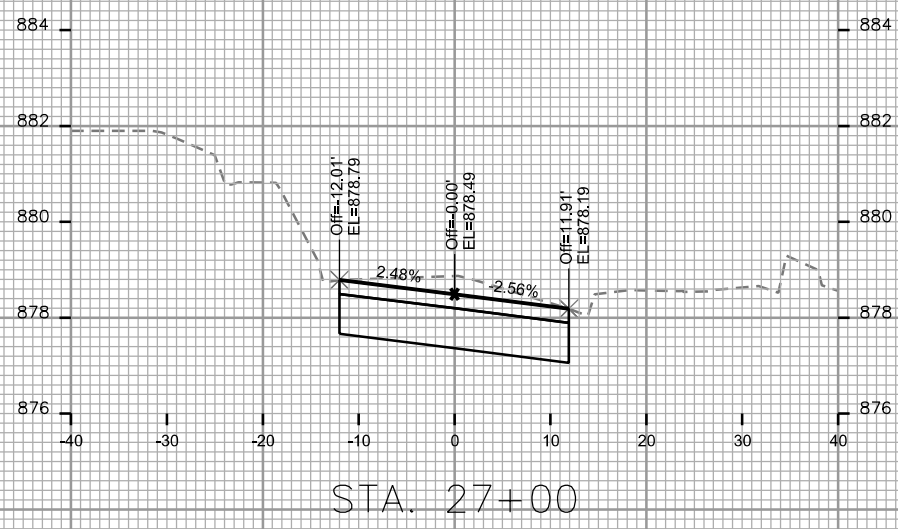


PLOT SCALE: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OAKRIDGE AVE.

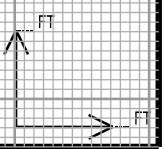
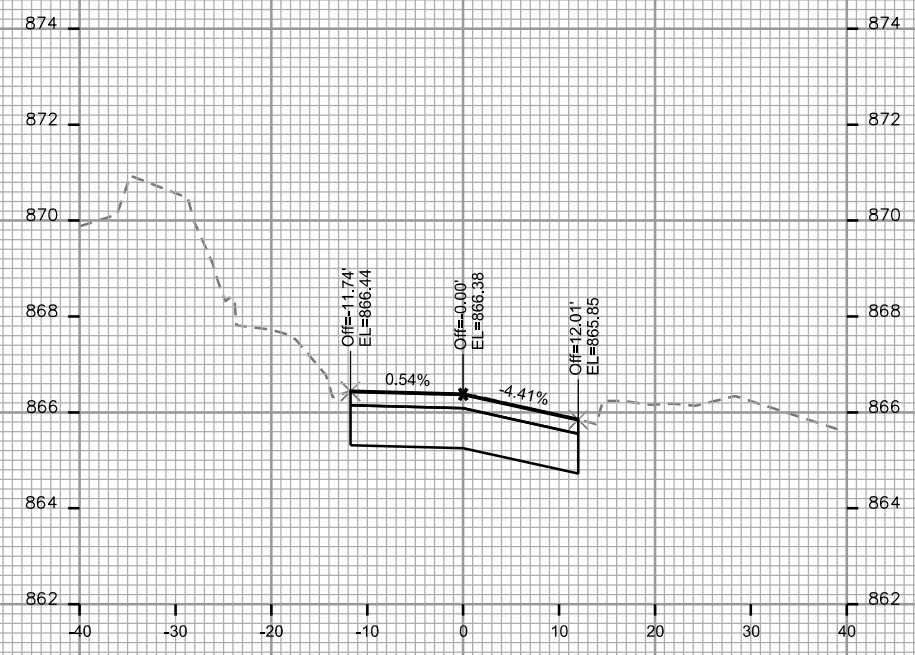
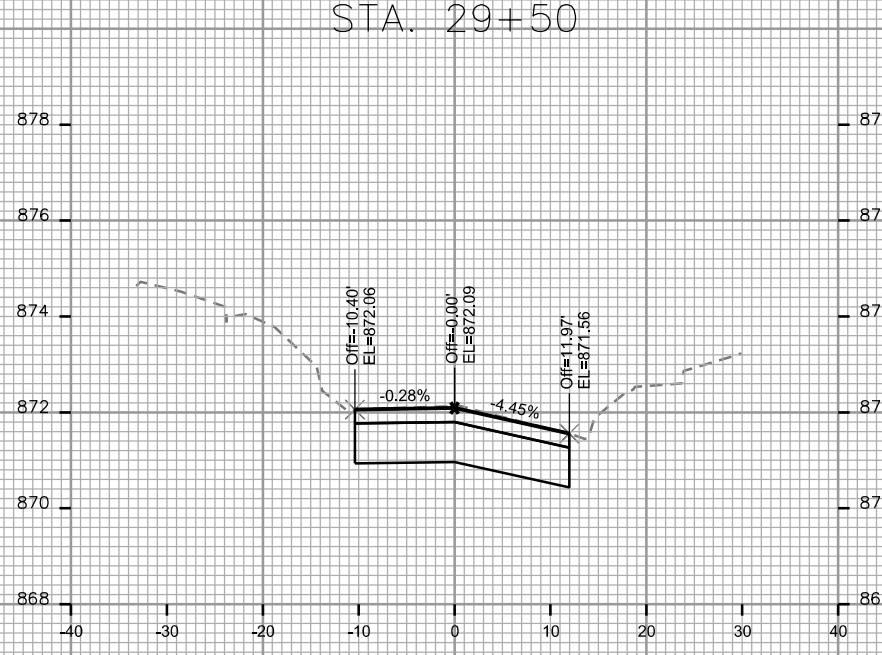
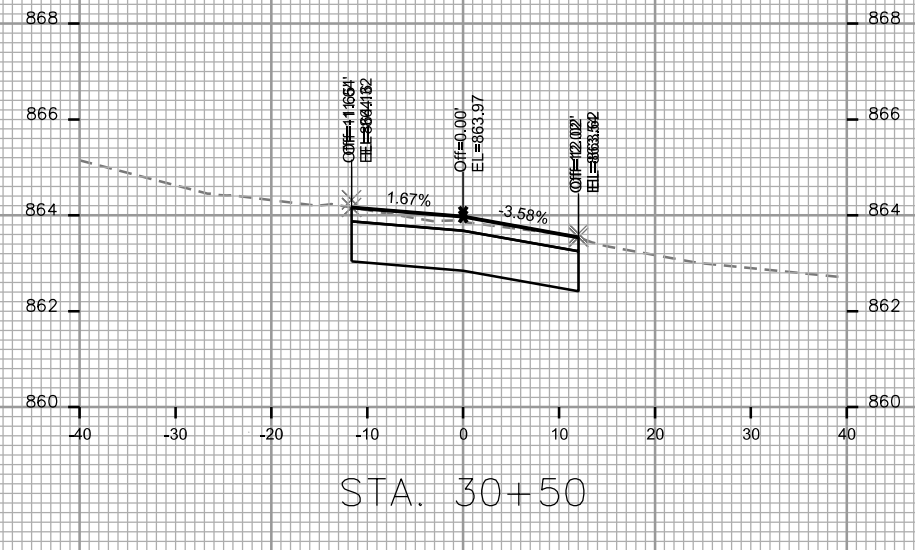
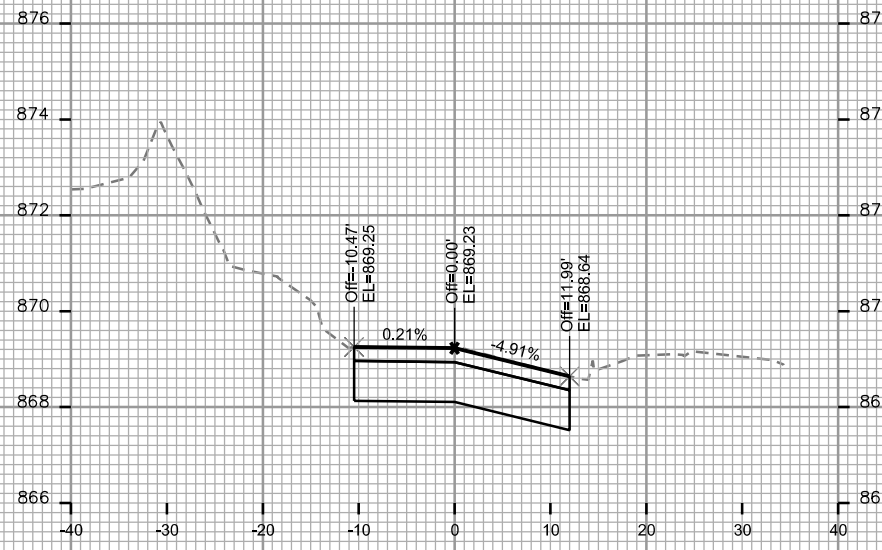
CITY OF MADISON

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

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

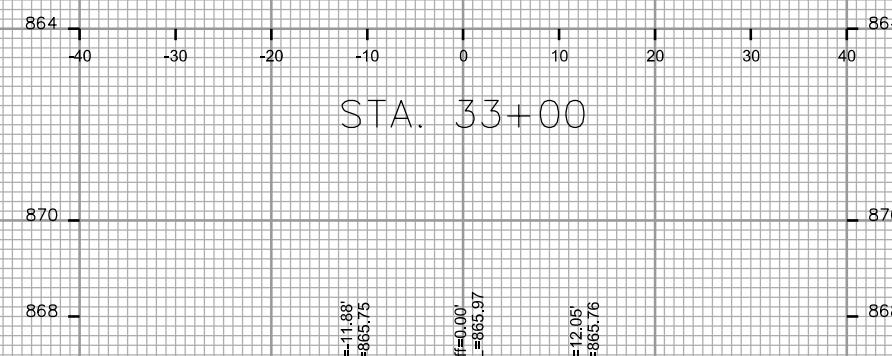
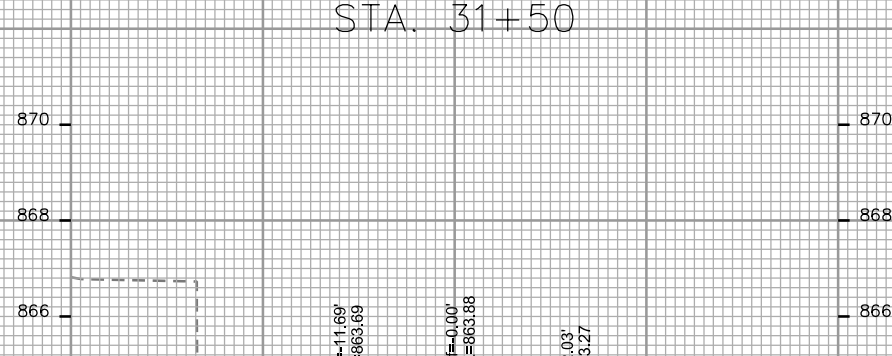
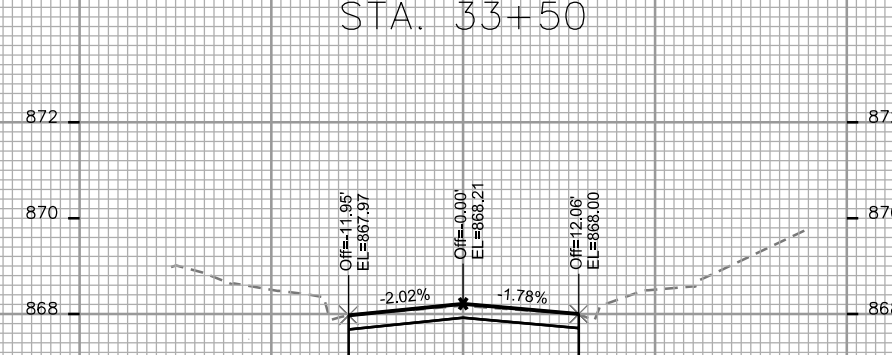
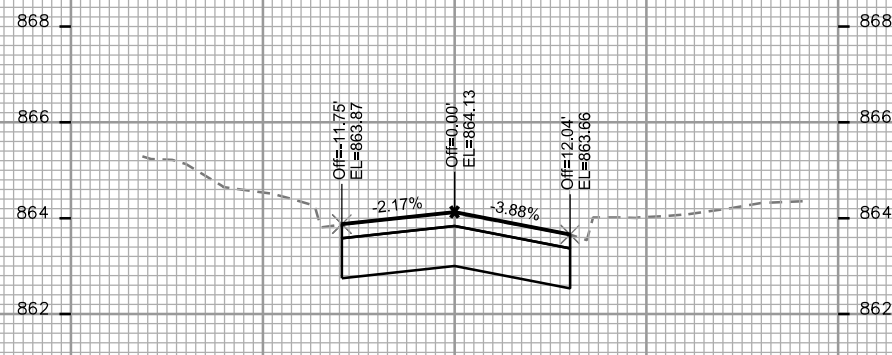
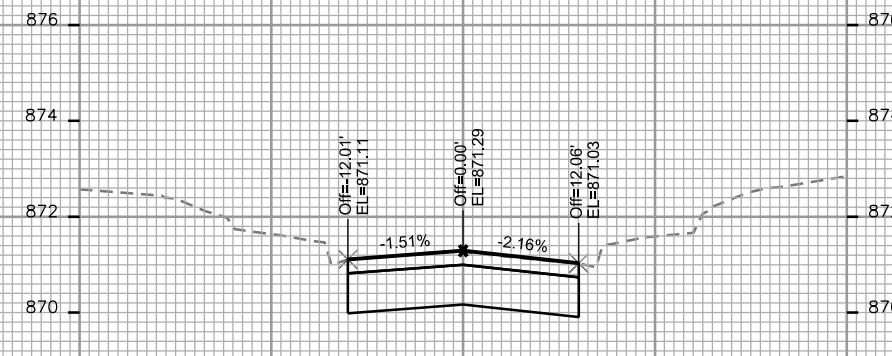
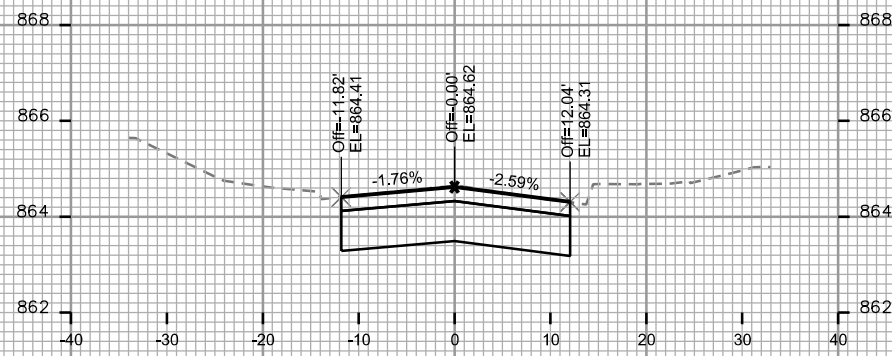
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OAKRIDGE AVE.

CITY OF MADISON

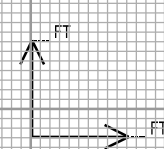


PLOT SCALE: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OAKRIDGE AVE

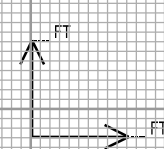
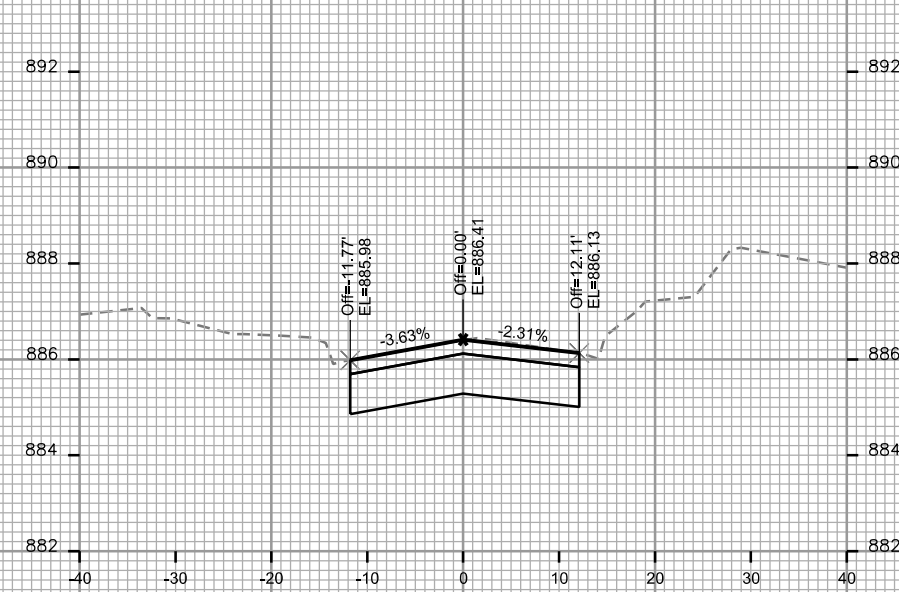
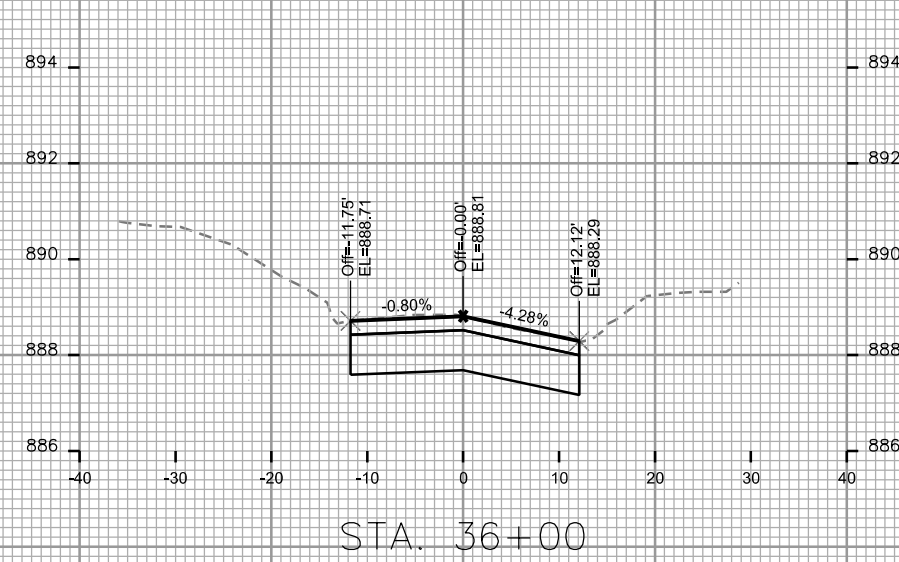
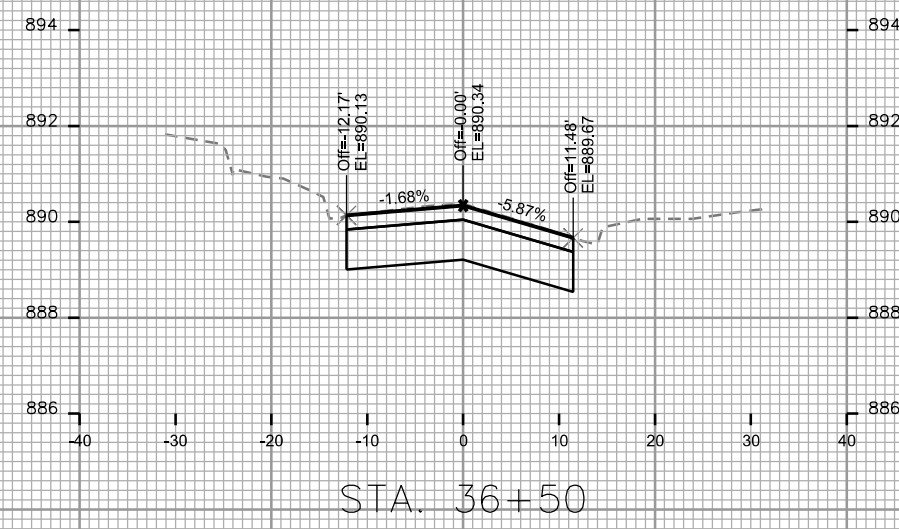
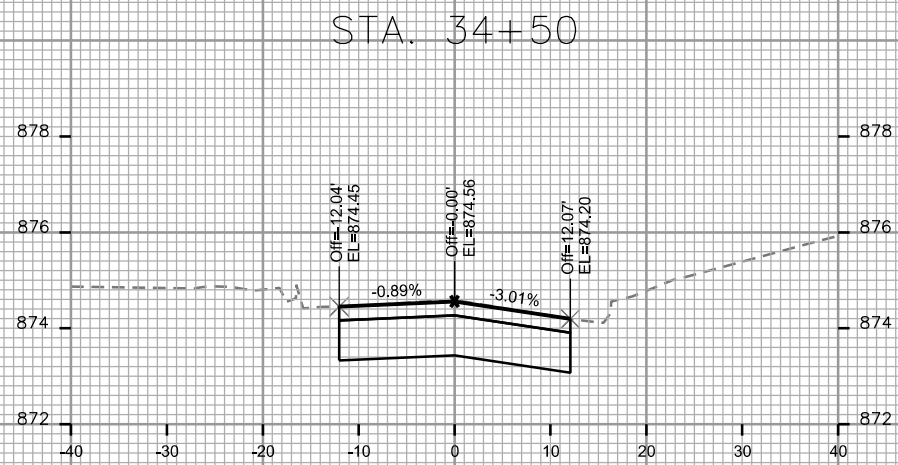
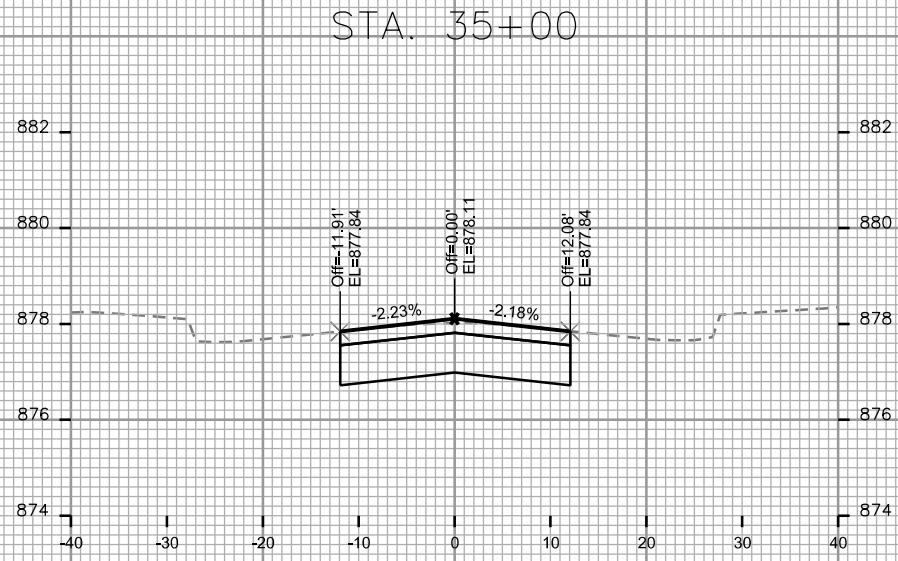
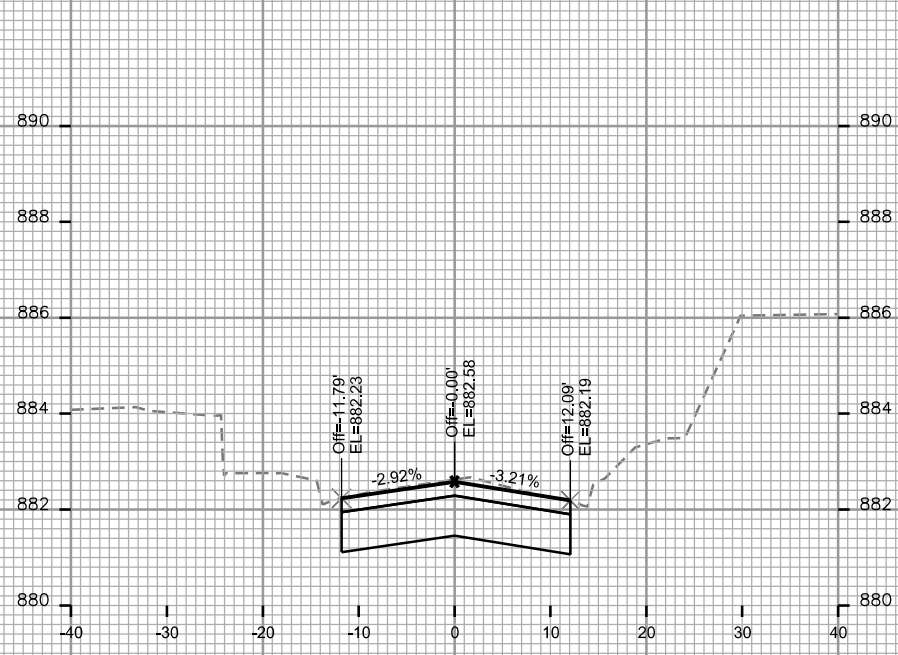
CITY OF MADISON

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

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION





CROSS SECTIONS

OAKRIDGE AVE.

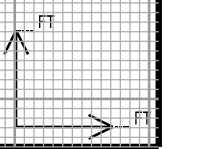
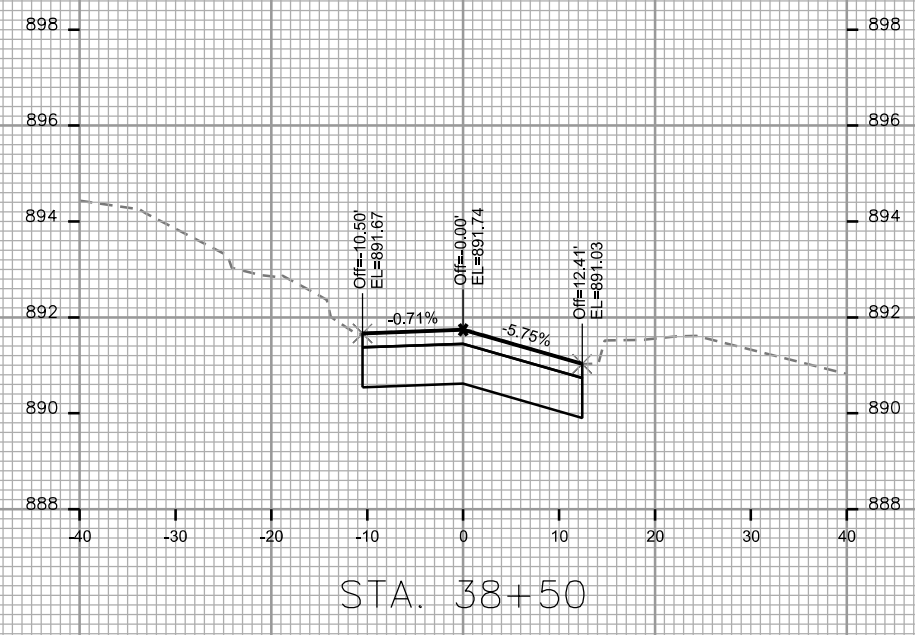
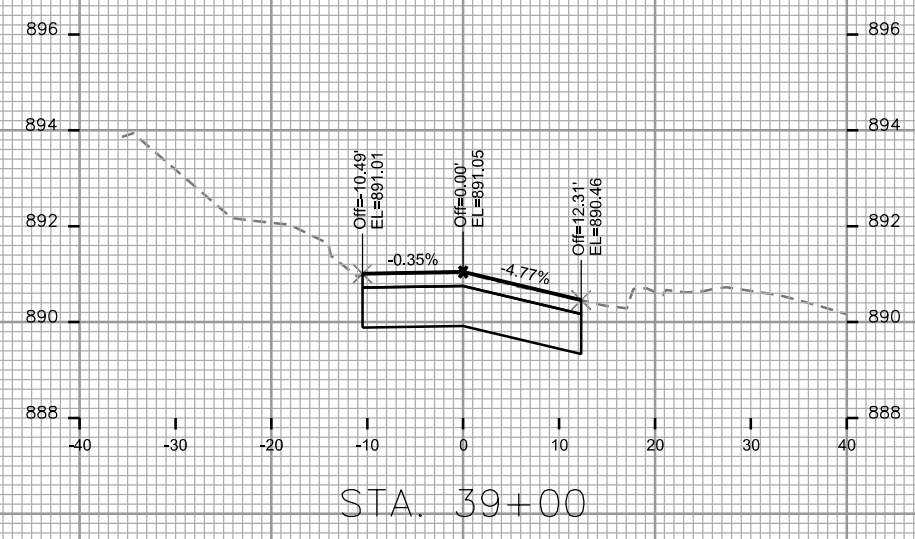
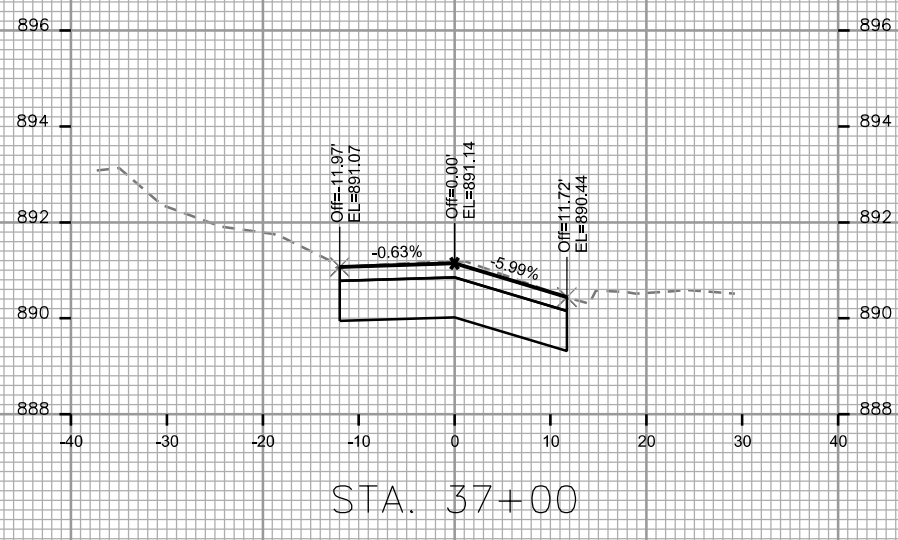
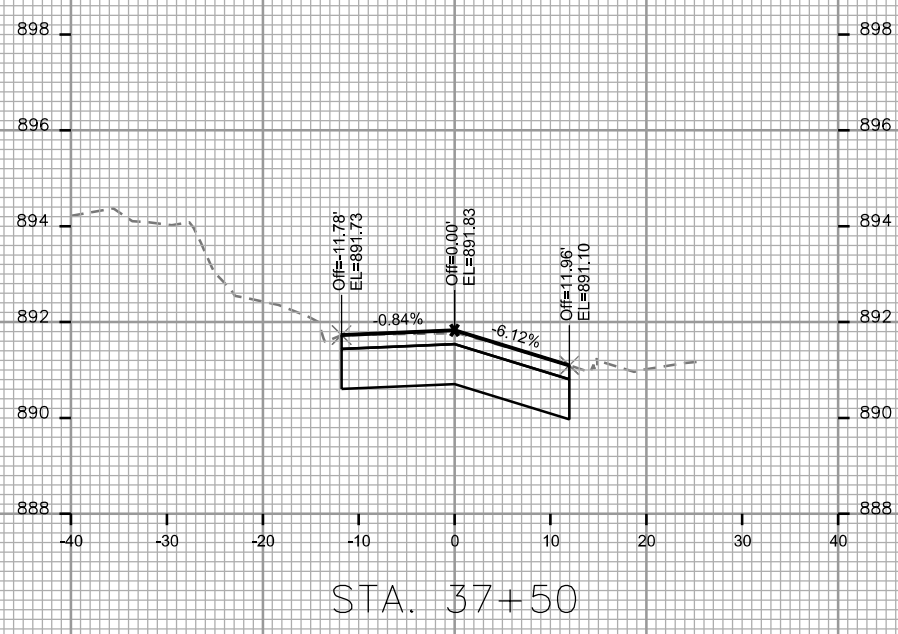
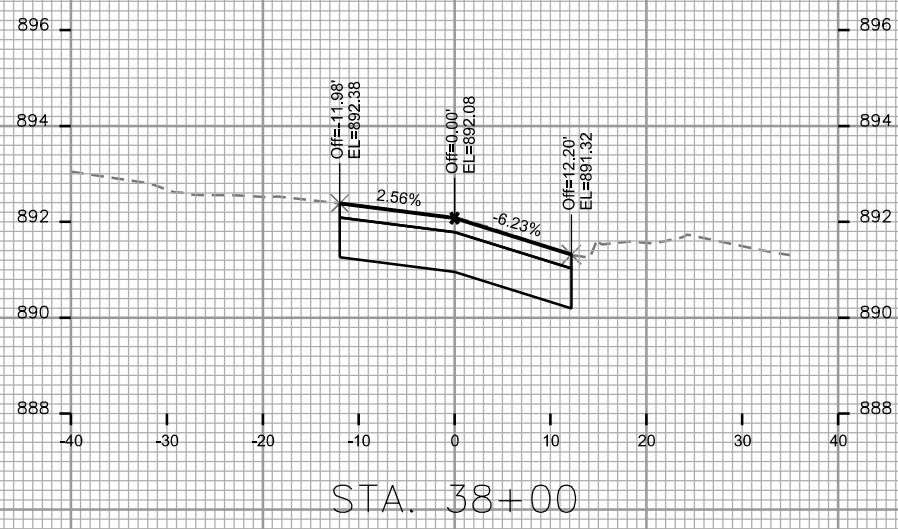
CITY OF MADISON

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OAKRIDGE AVE.

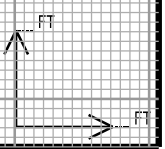
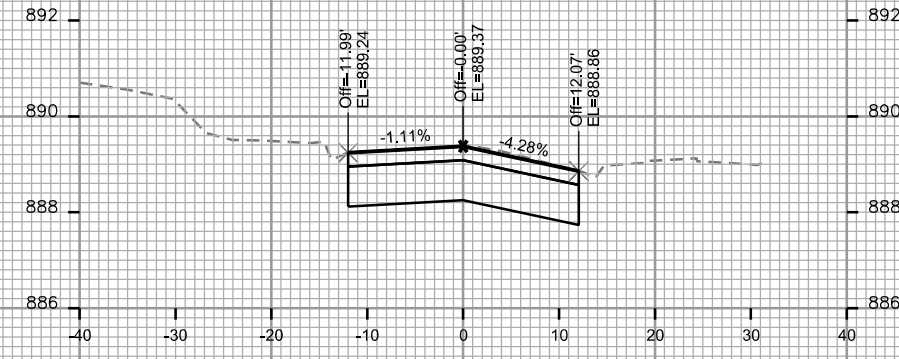
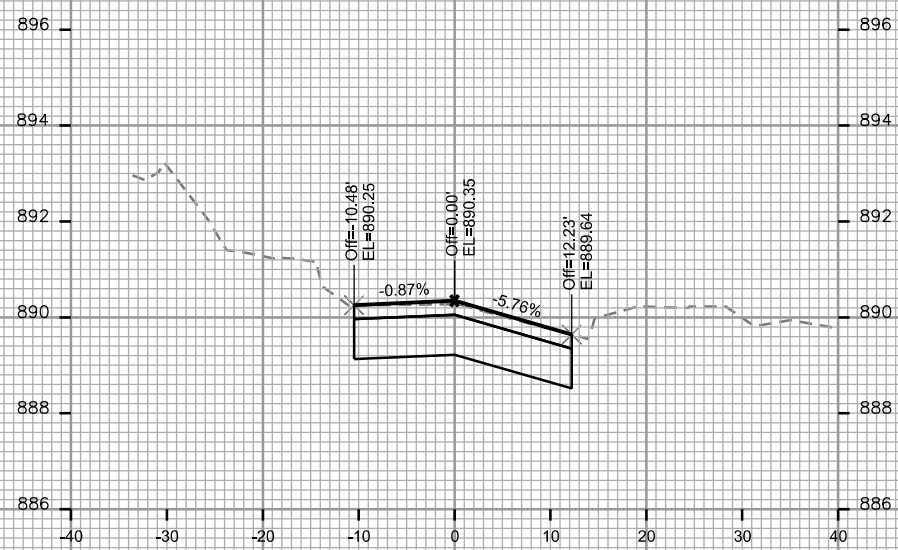
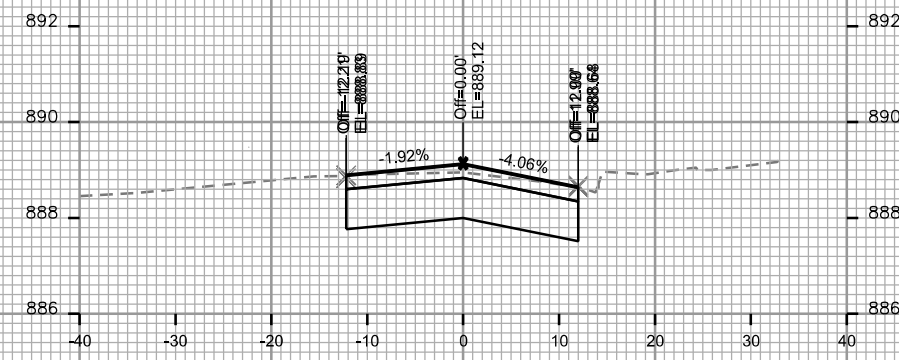
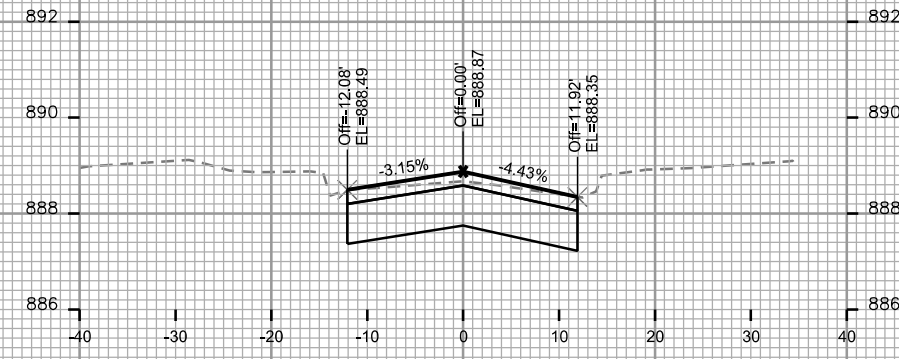
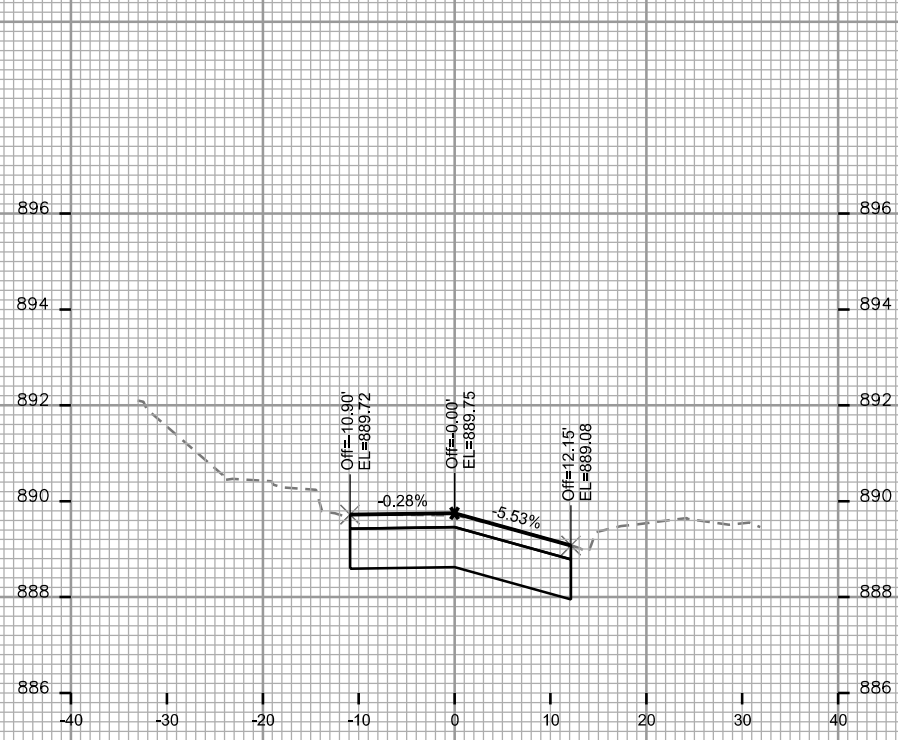
CITY OF MADISON

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CROSS SECTIONS

OAKRIDGE AVE

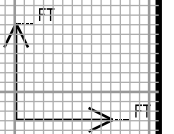
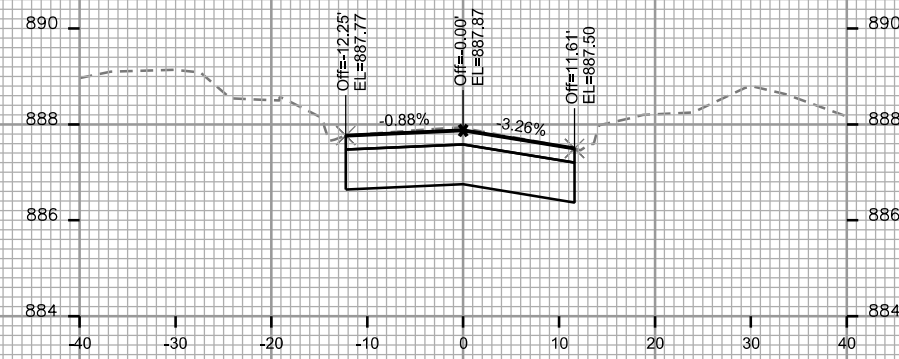
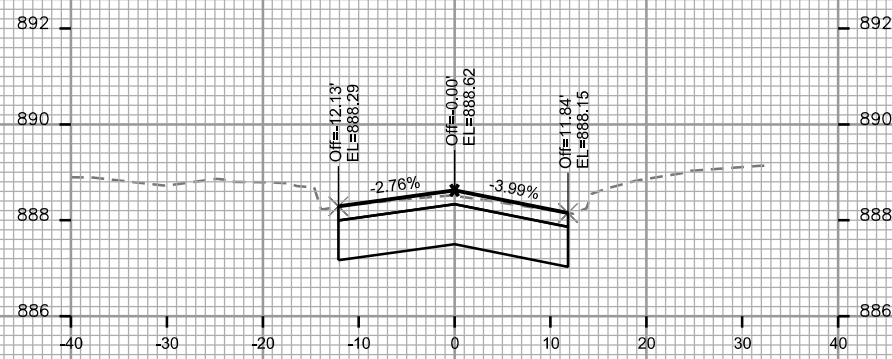
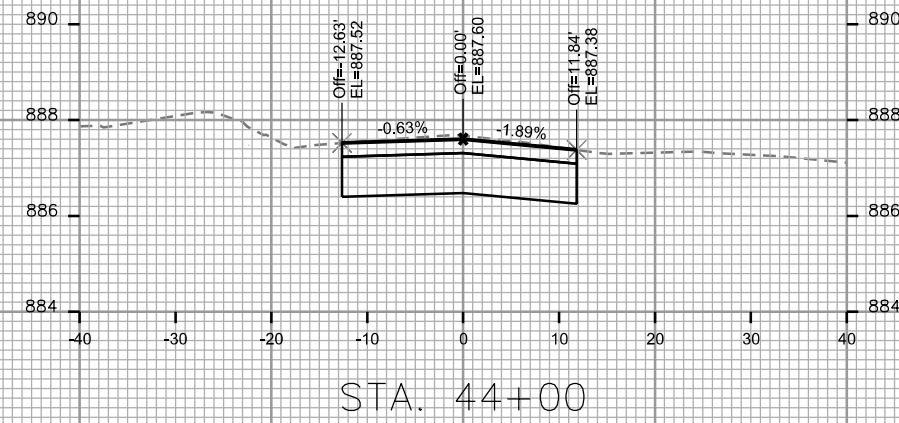
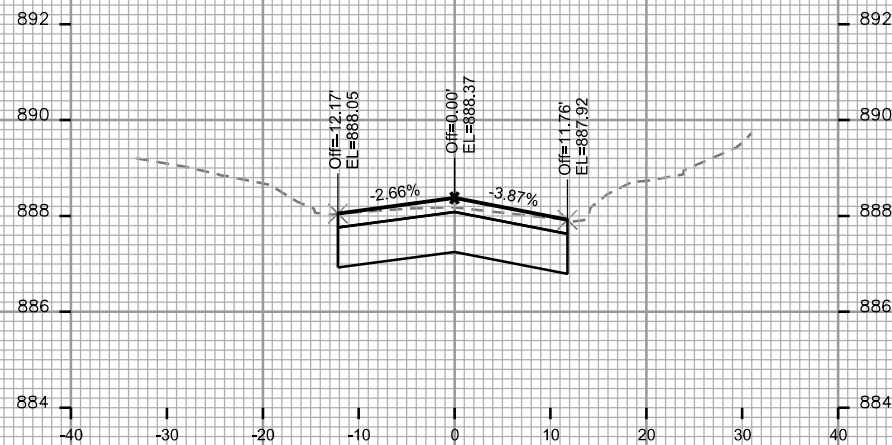
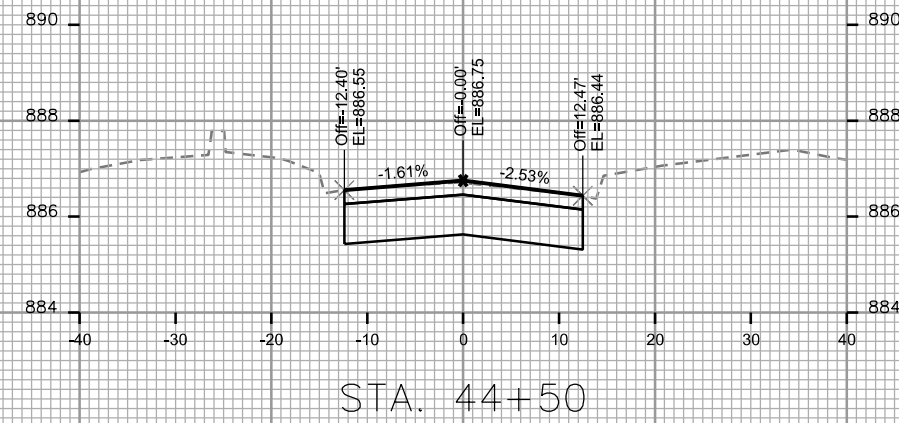
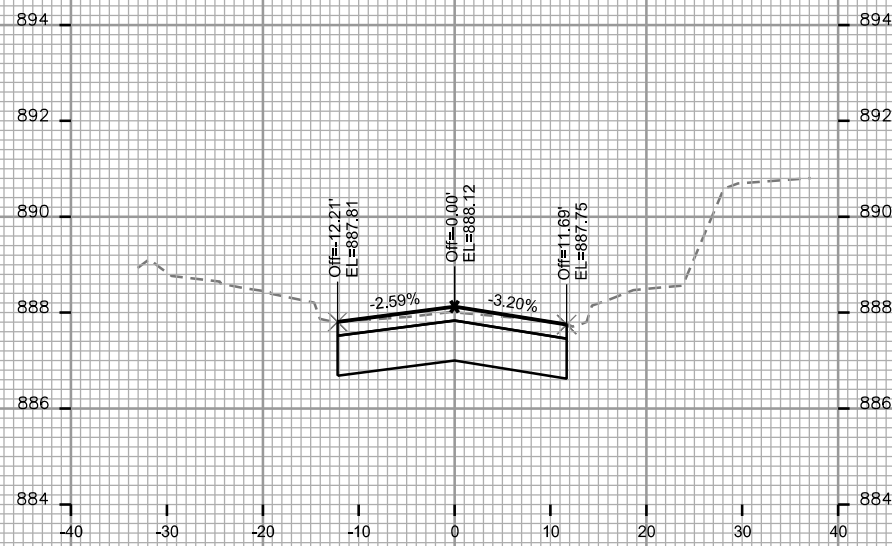
CITY OF MADISON

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OAKRIDGE AVE

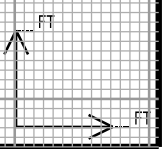
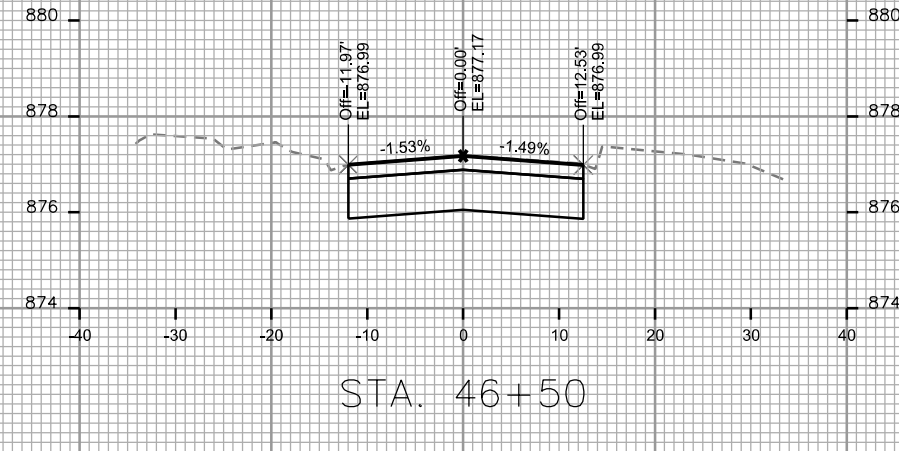
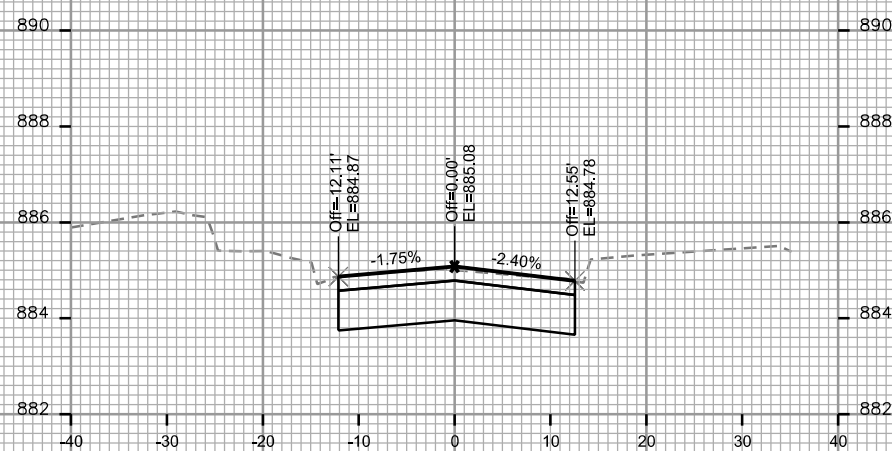
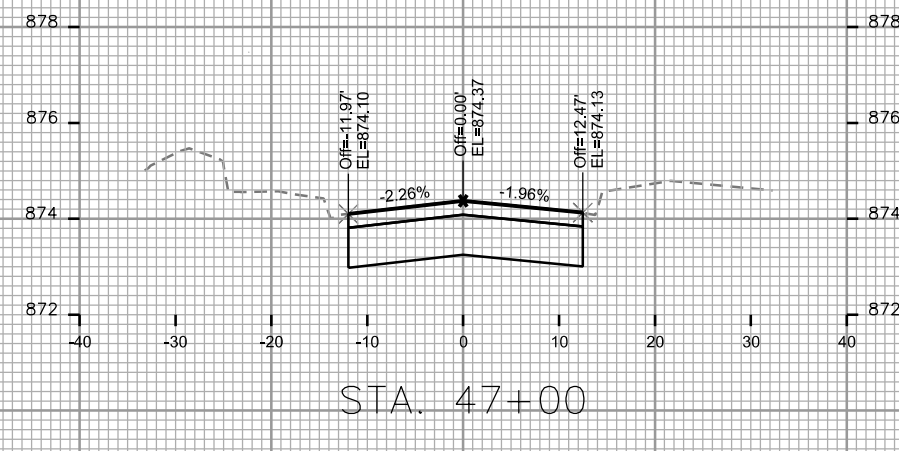
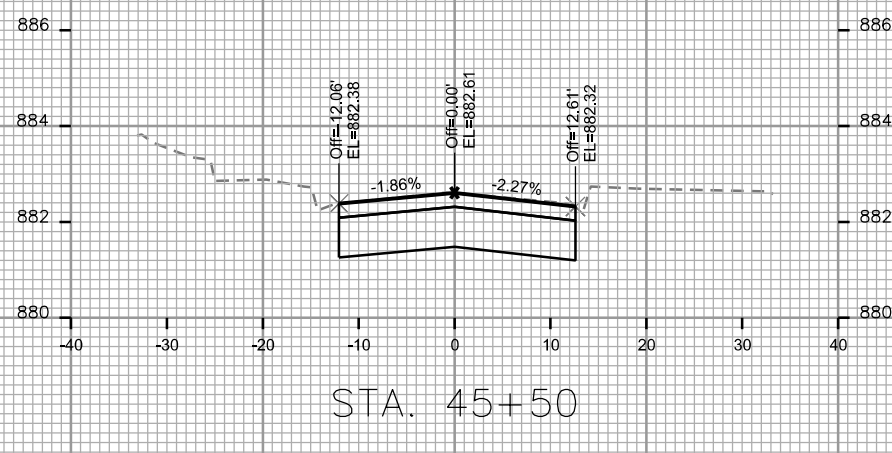
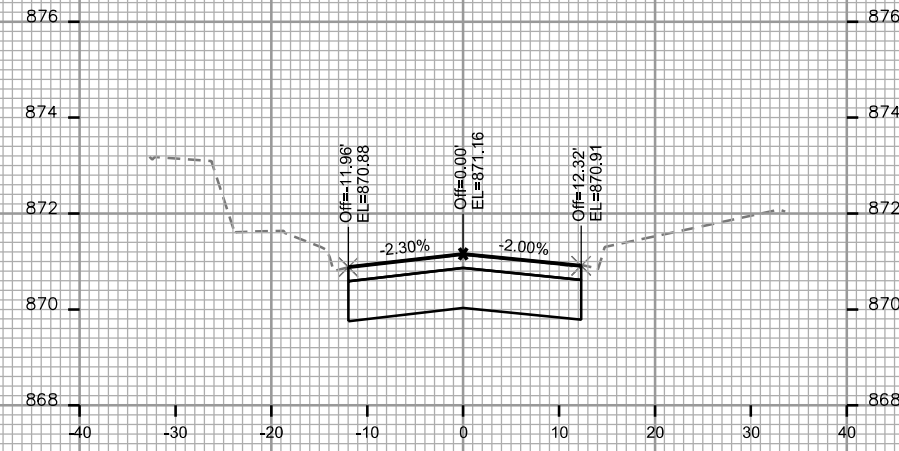
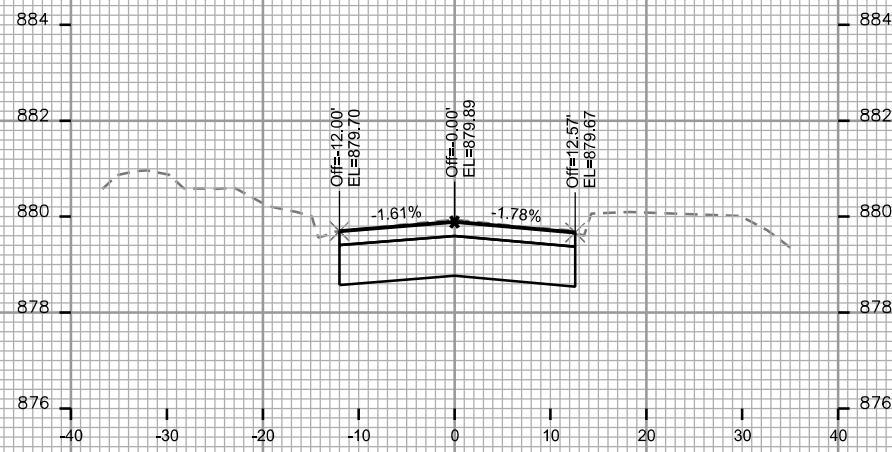
CITY OF MADISON

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CROSS SECTIONS

OAKRIDGE AVE

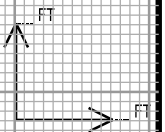
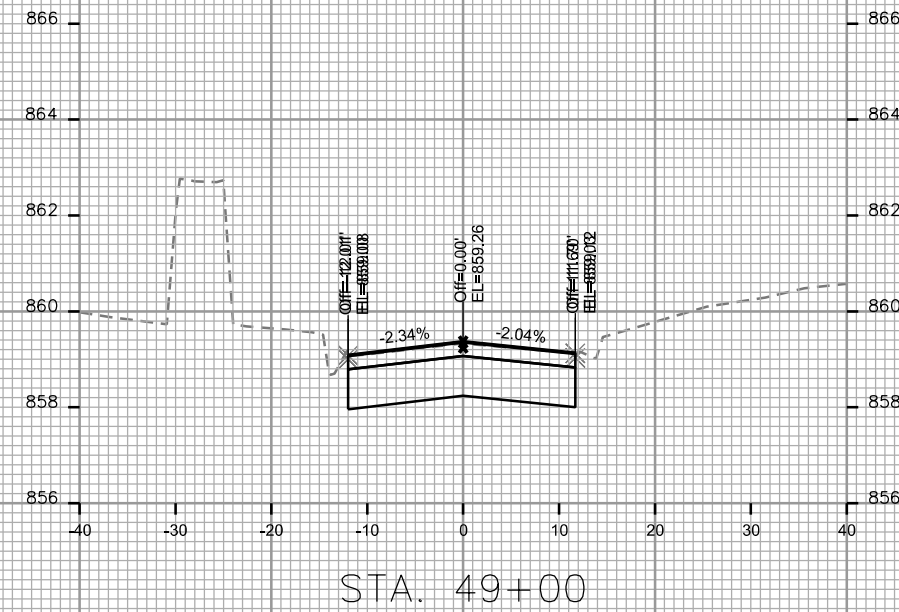
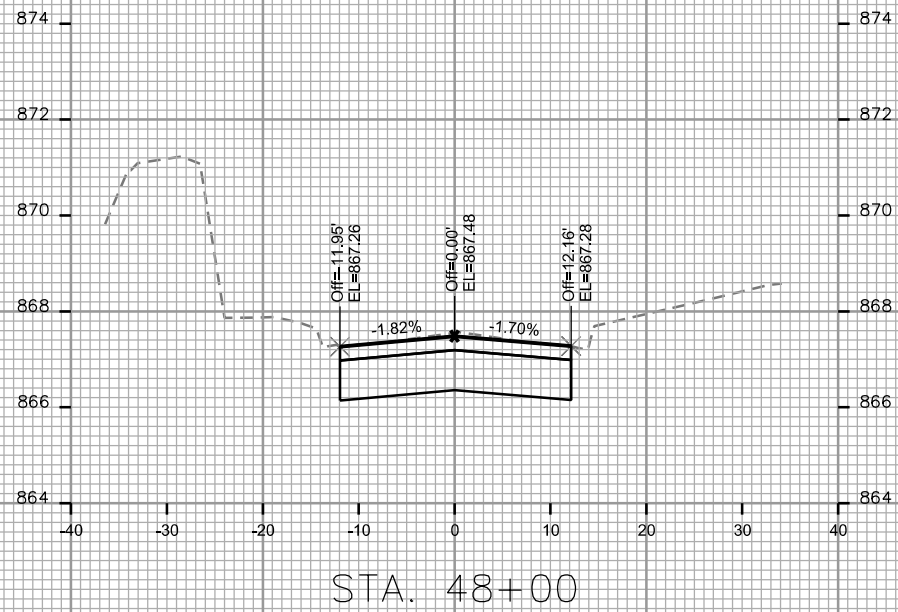
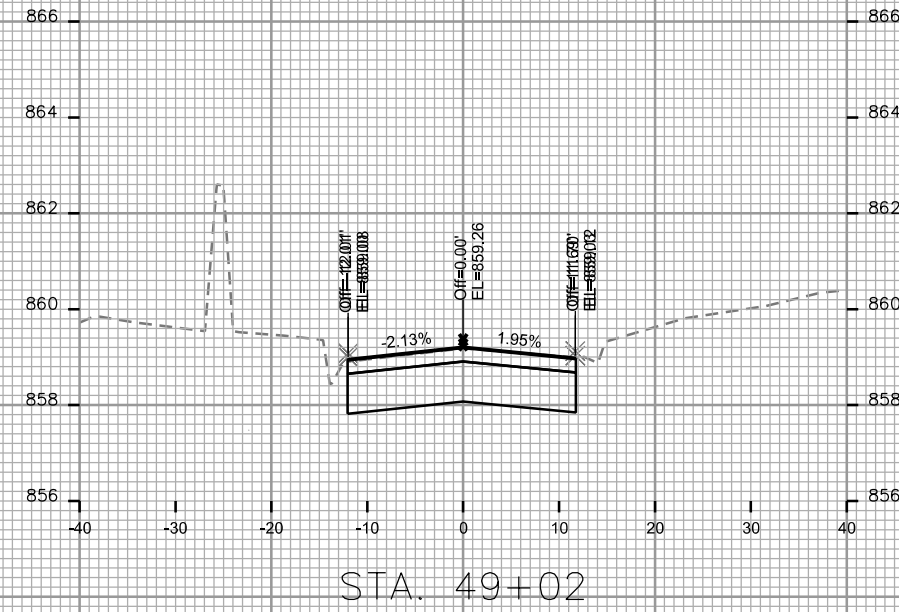
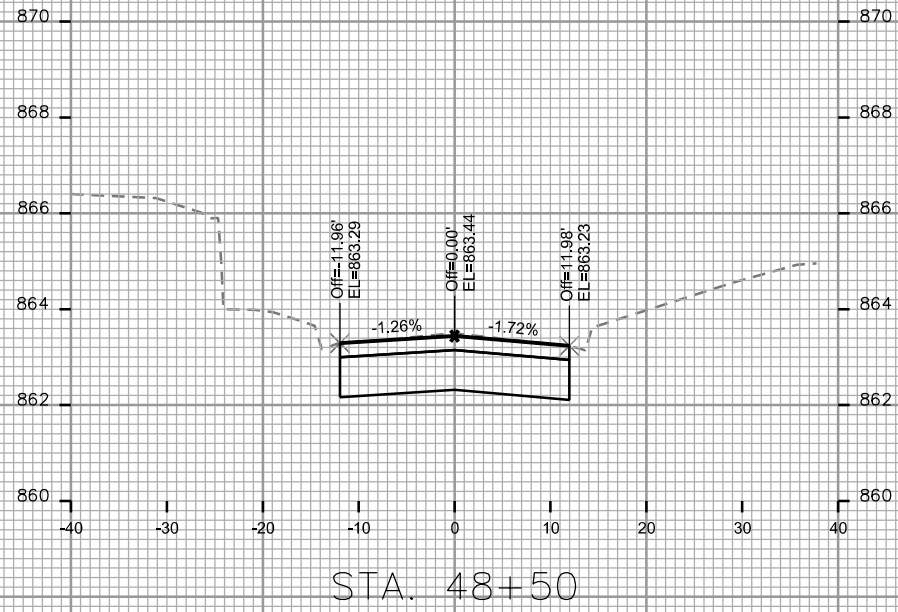
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

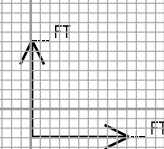
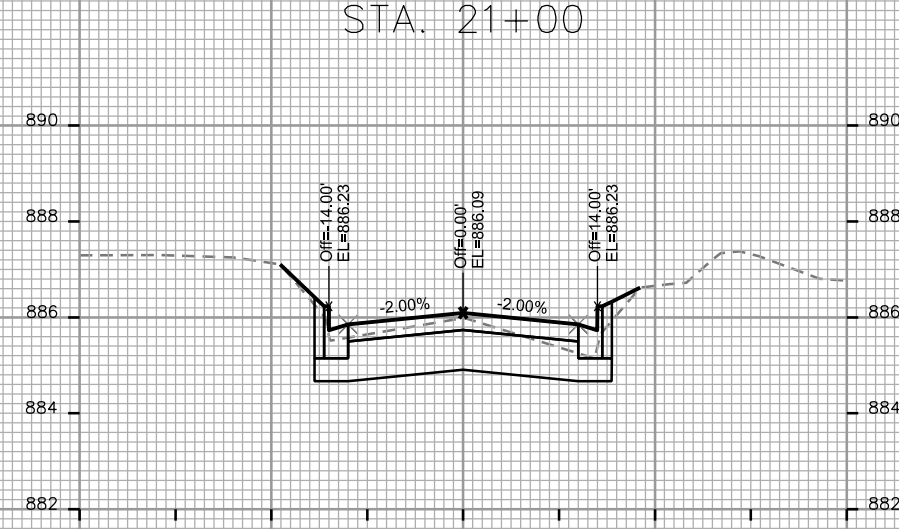
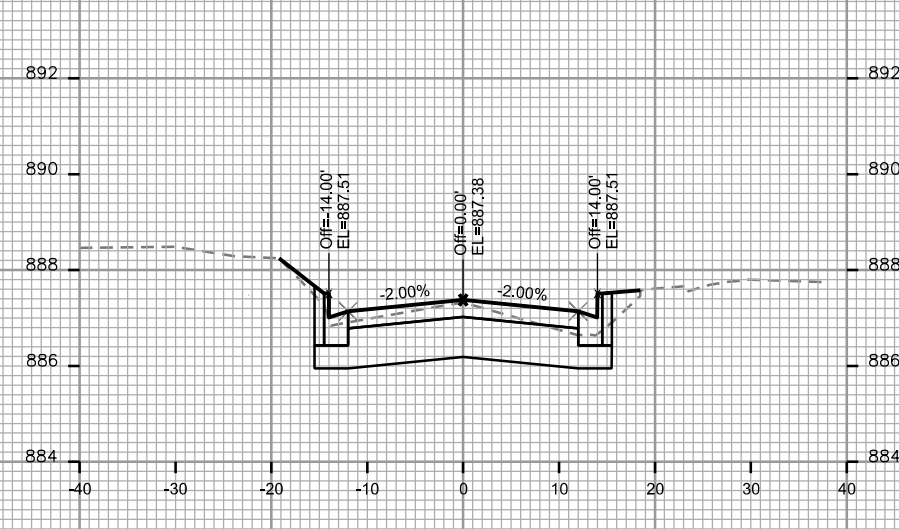
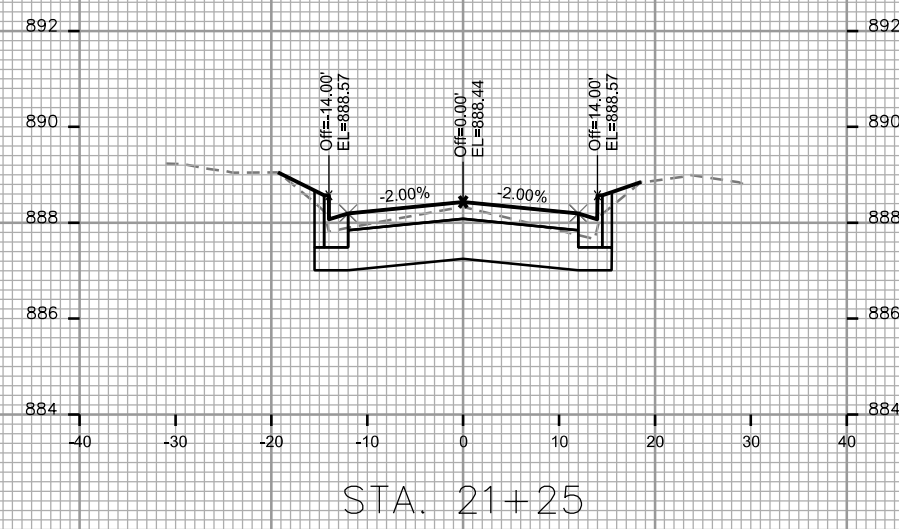
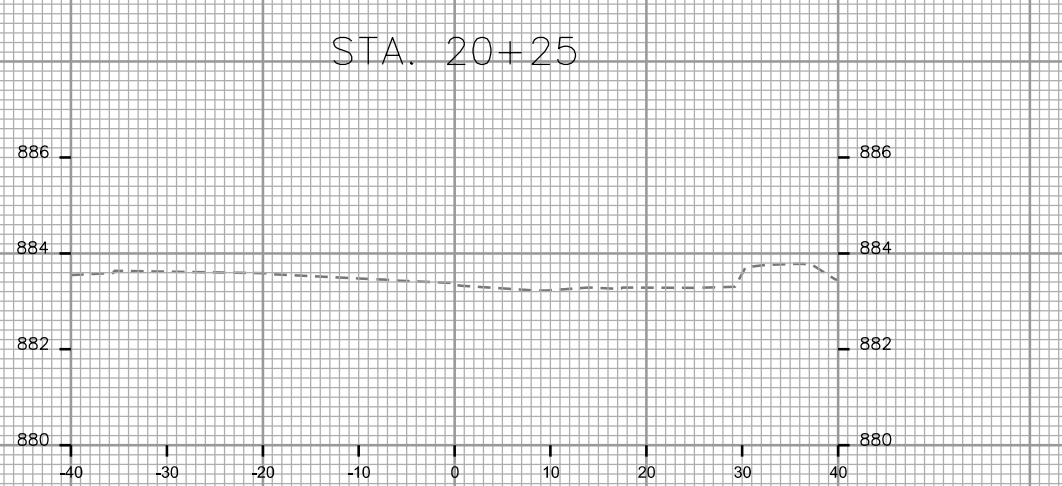
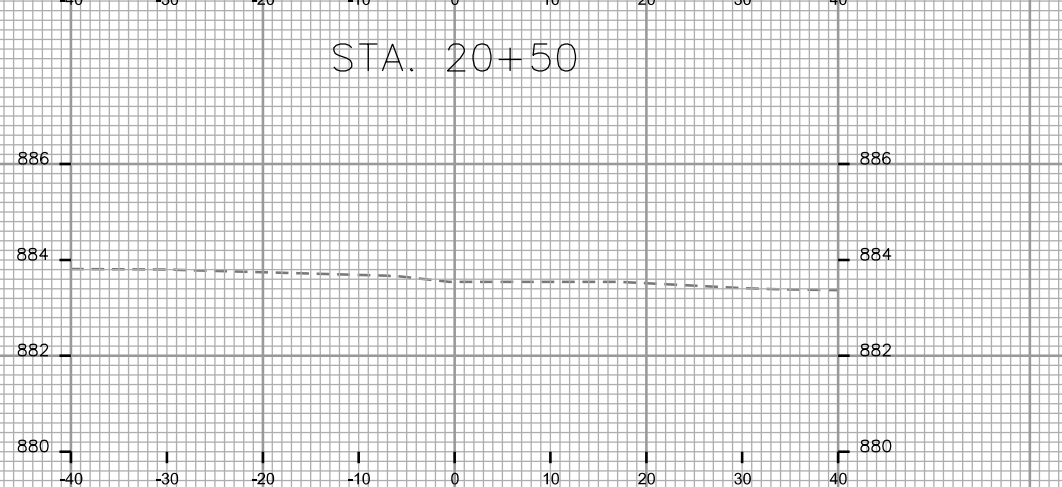
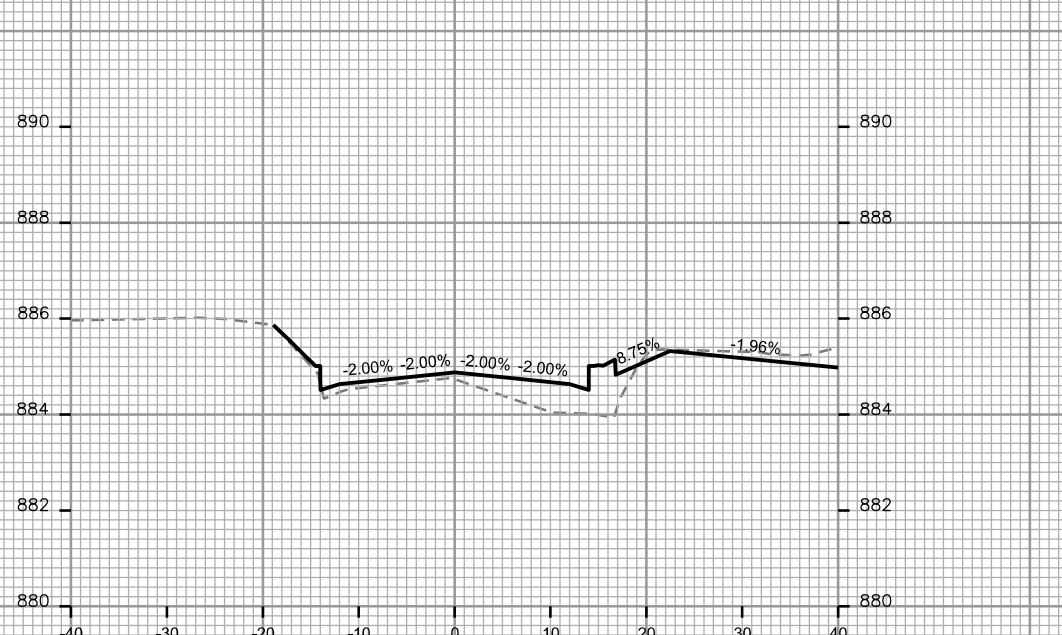
OHIO AVE. CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OHIO AVE.

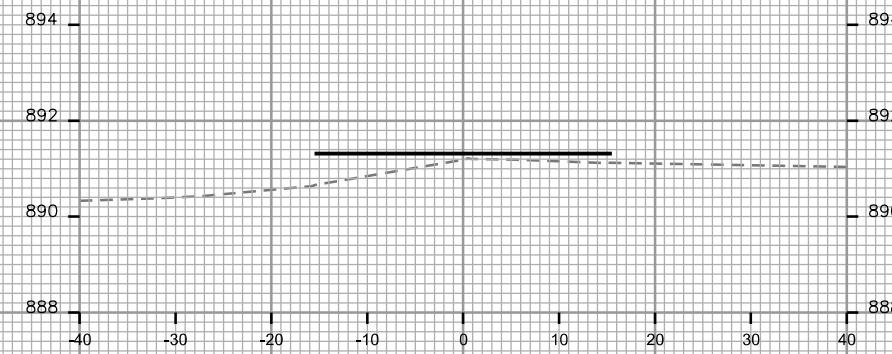
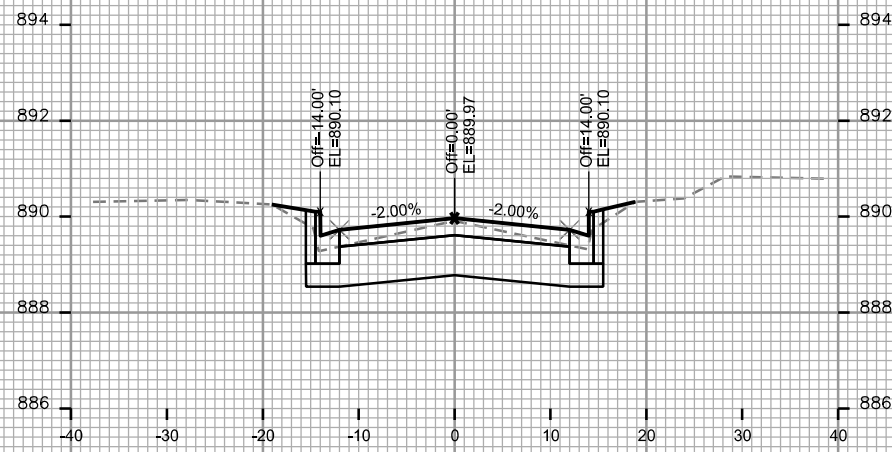
CITY OF MADISON

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

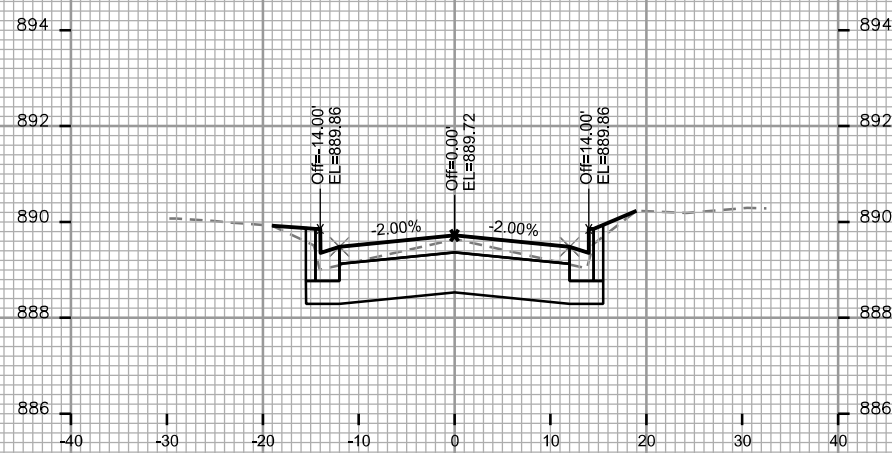
PLOT NAME: \_\_\_\_\_

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

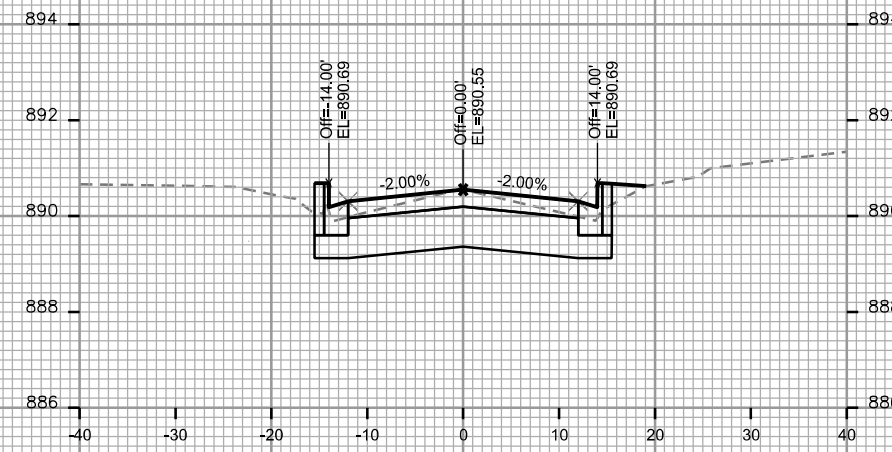
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



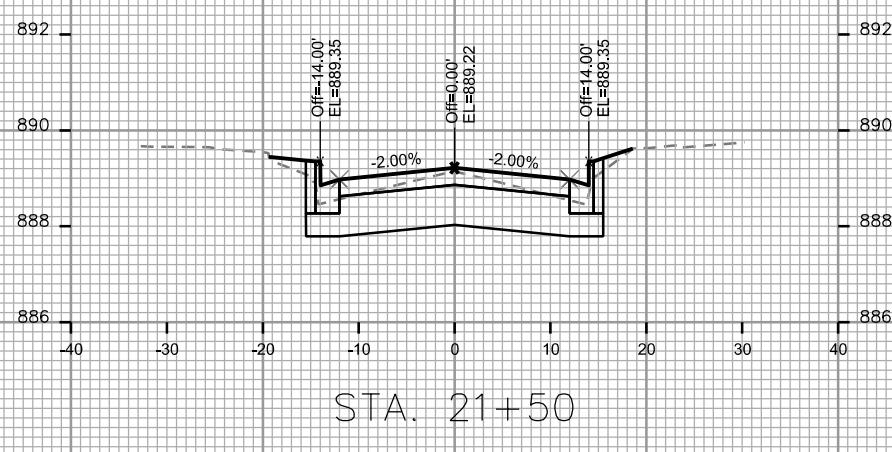
STA. 22+75



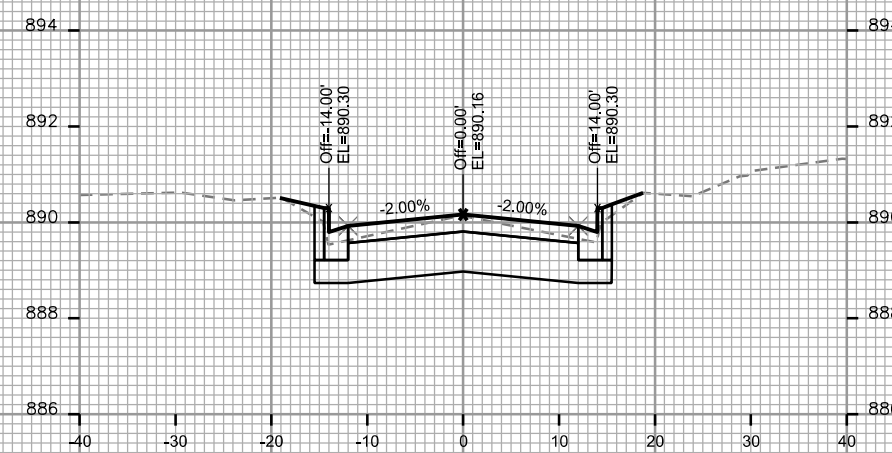
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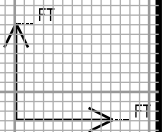
STA. 22+50



STA. 21+50



STA. 22+25



CROSS SECTIONS

MILLER AVE

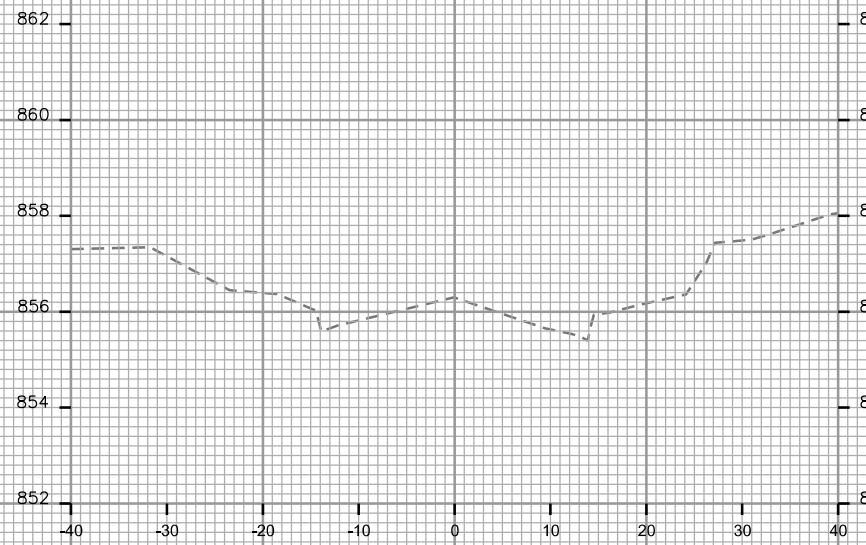
CITY OF MADISON

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

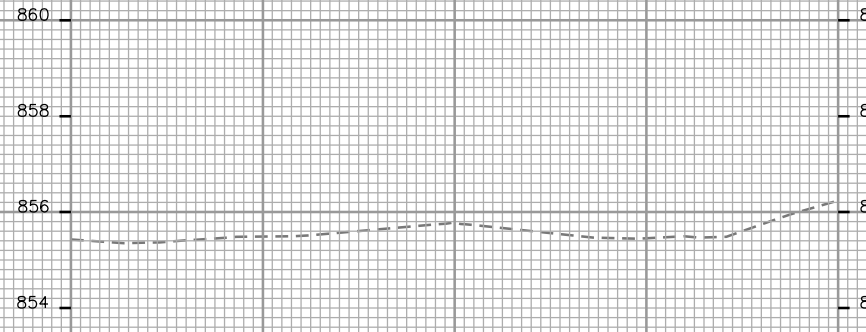
PLOT NAME: \_\_\_\_\_

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

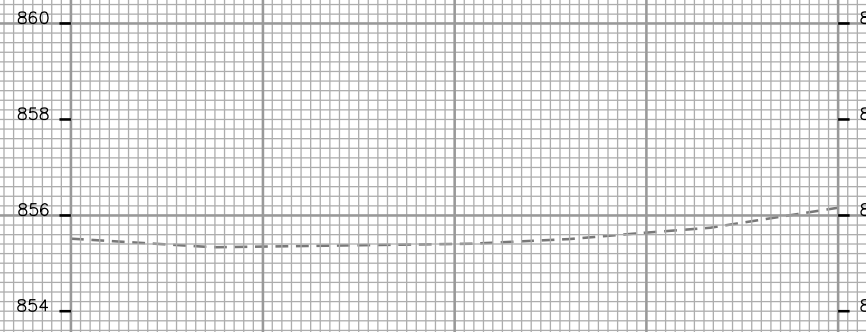
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



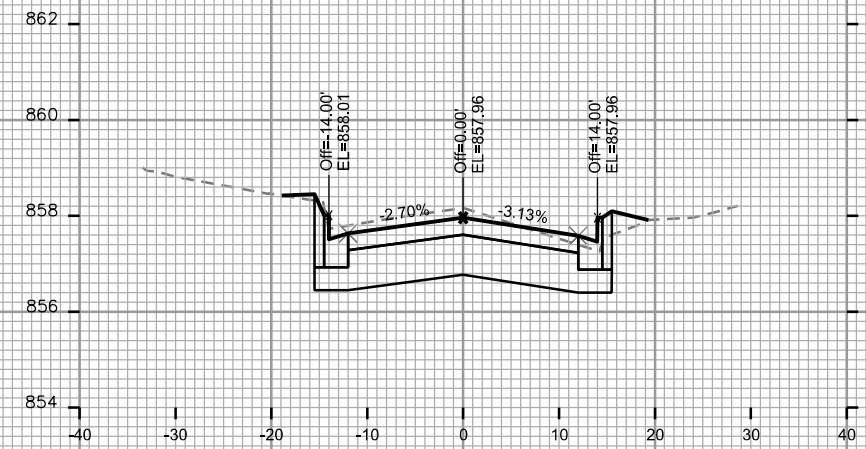
STA. 20+50



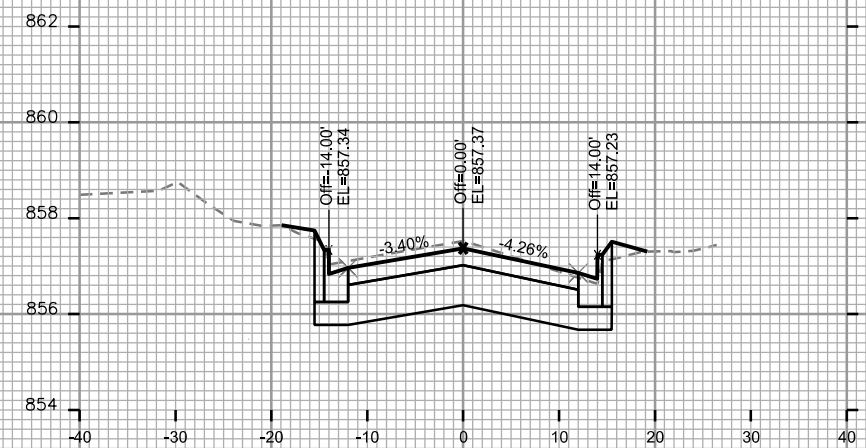
STA. 20+25



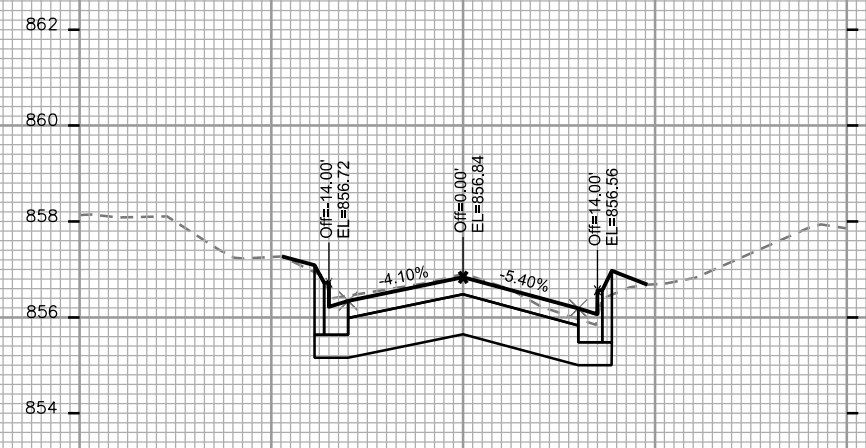
STA. 20+00



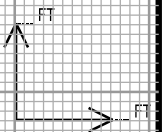
STA. 21+25



STA. 21+00



STA. 20+75





CROSS SECTIONS

MILLER AVE

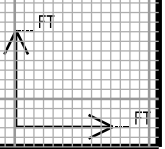
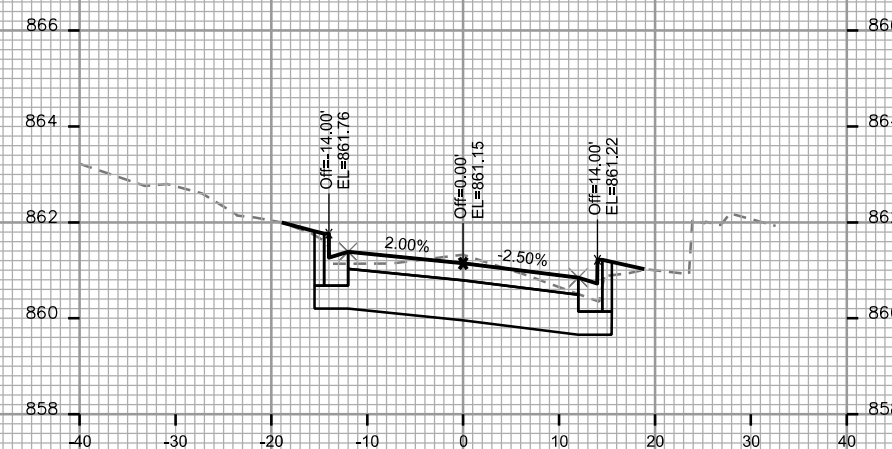
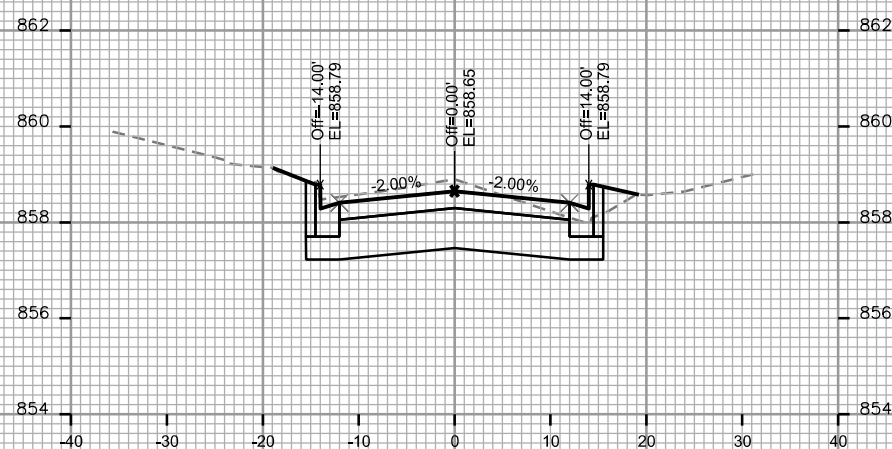
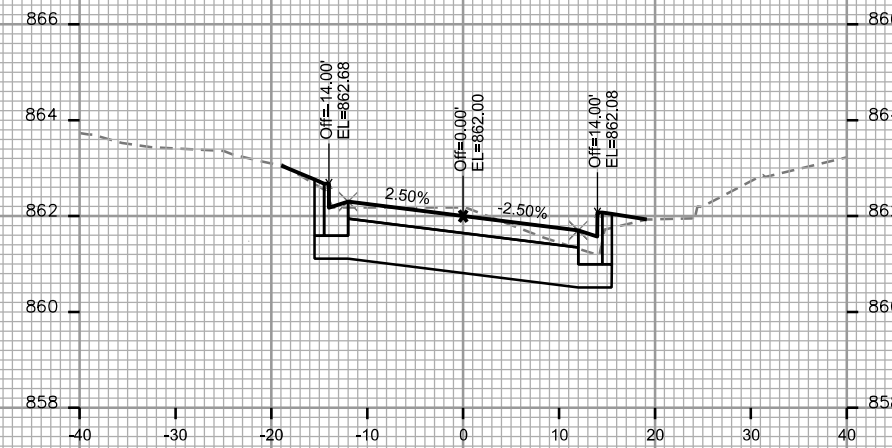
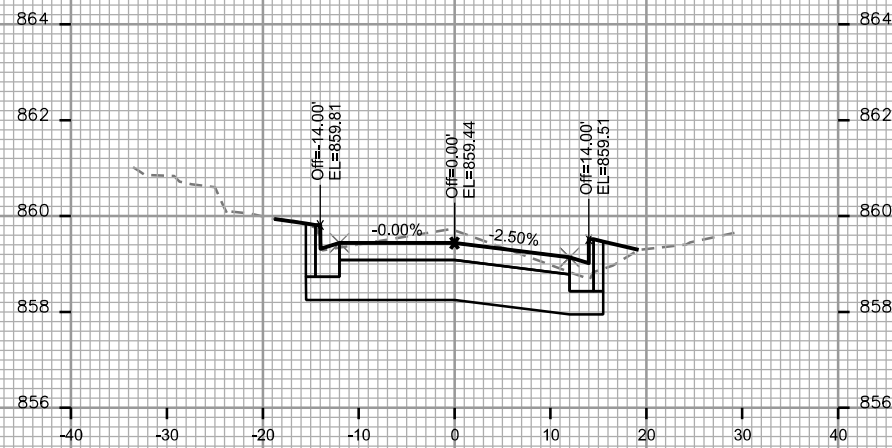
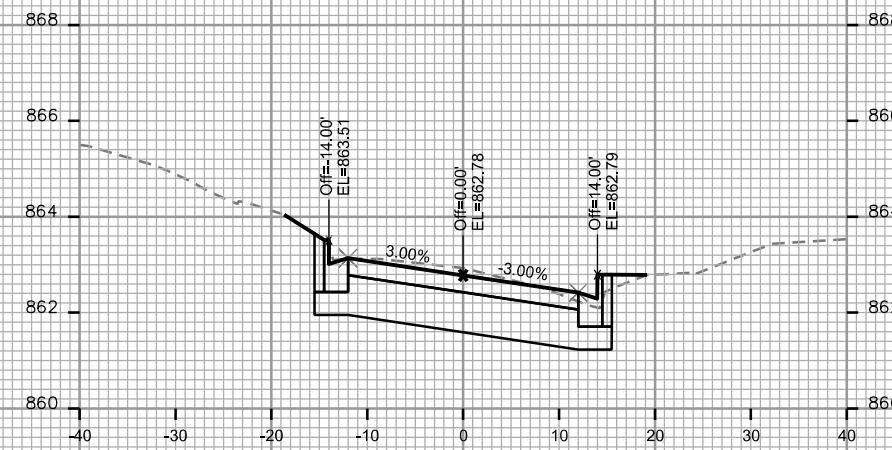
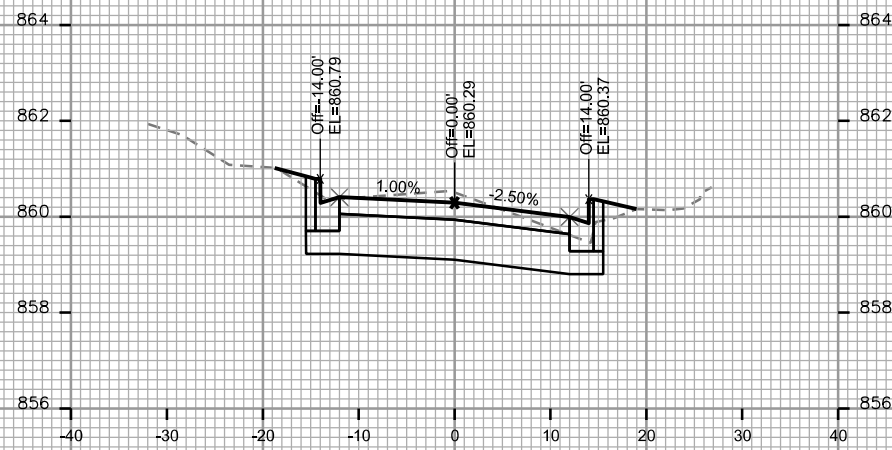
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

MILLER AVE

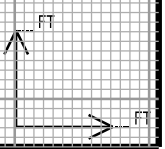
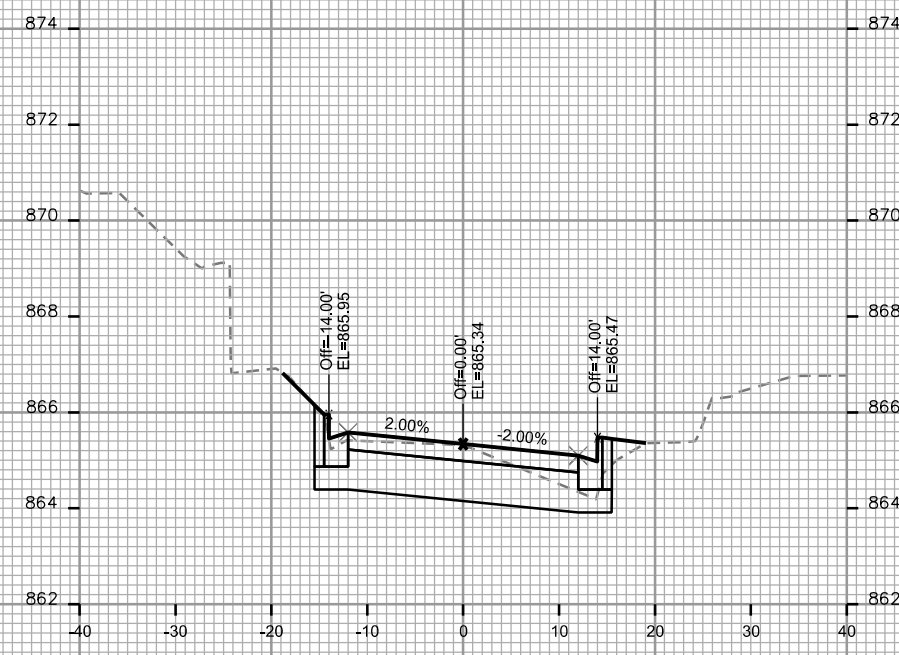
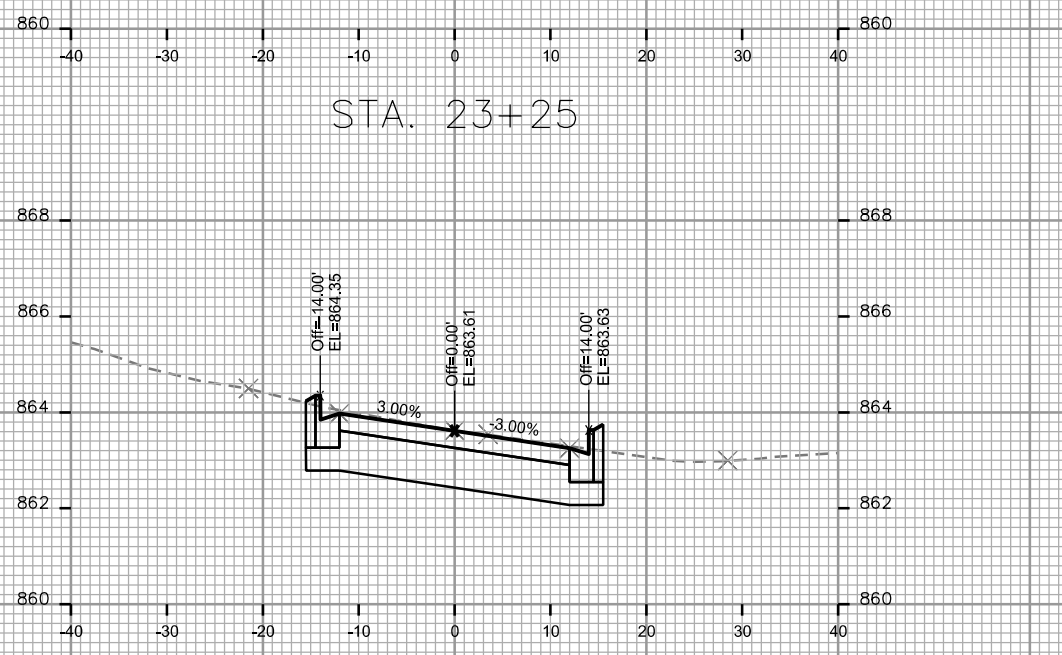
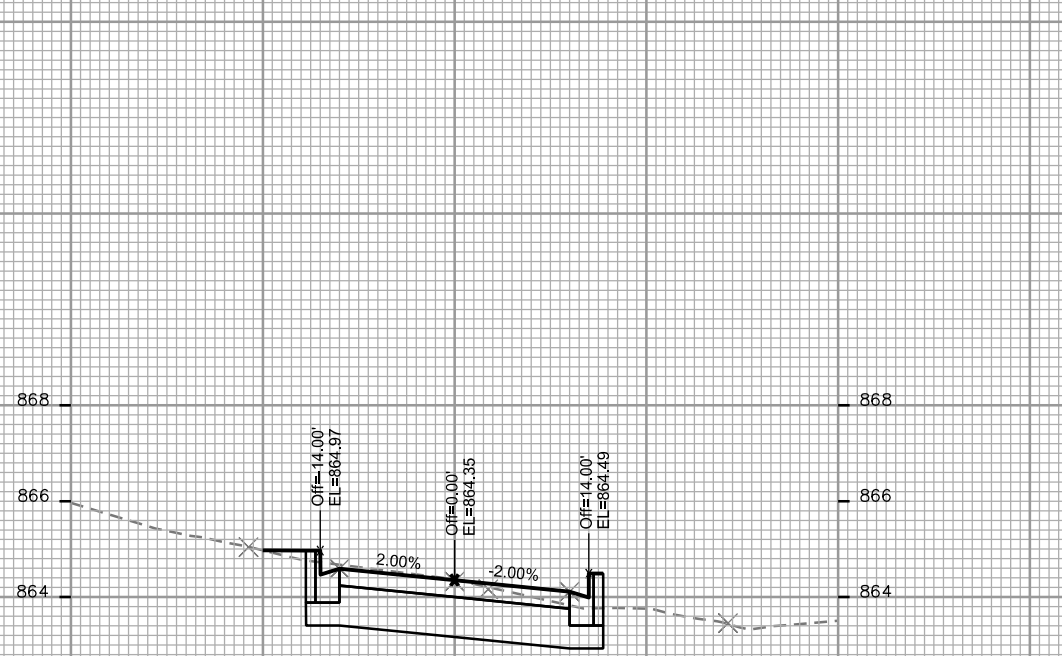
CITY OF MADISON

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

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

MILLER AVE

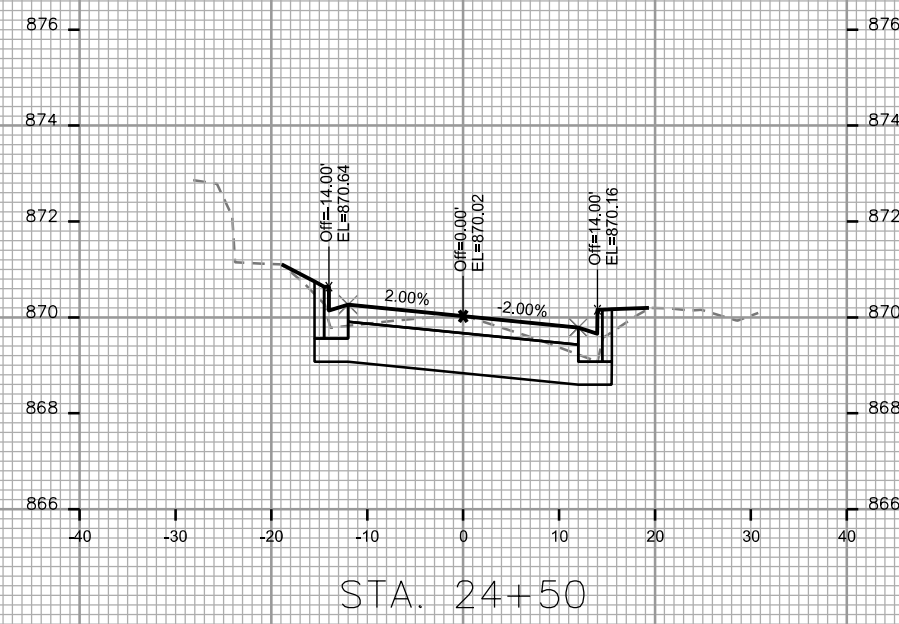
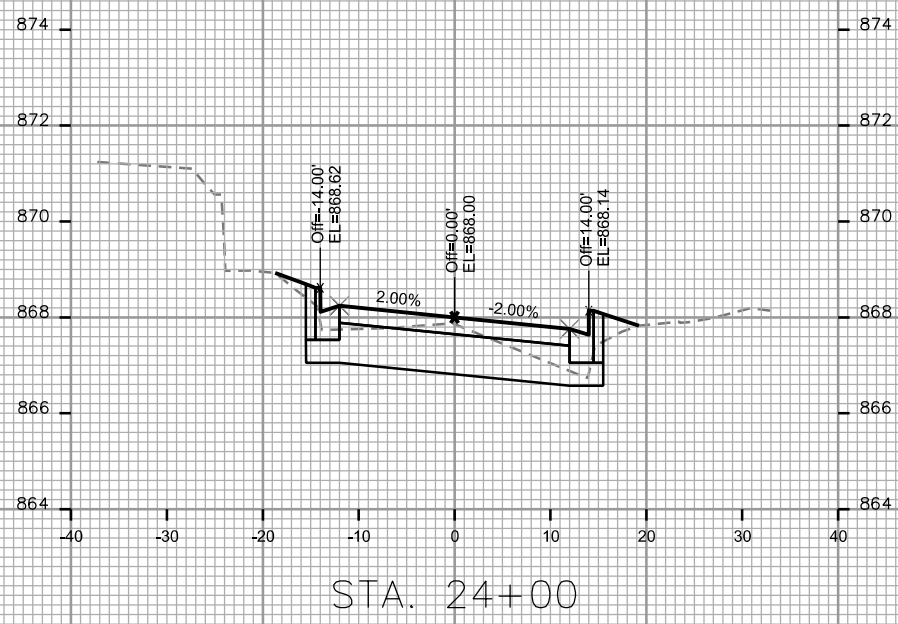
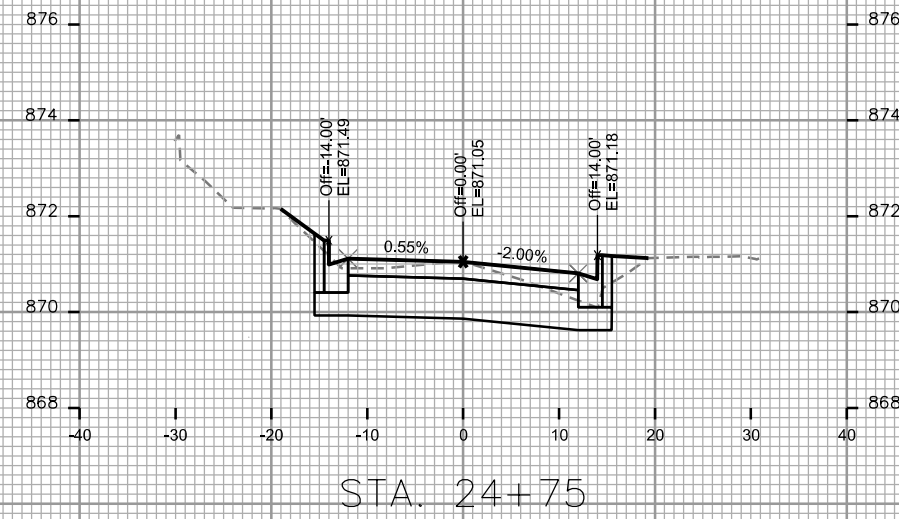
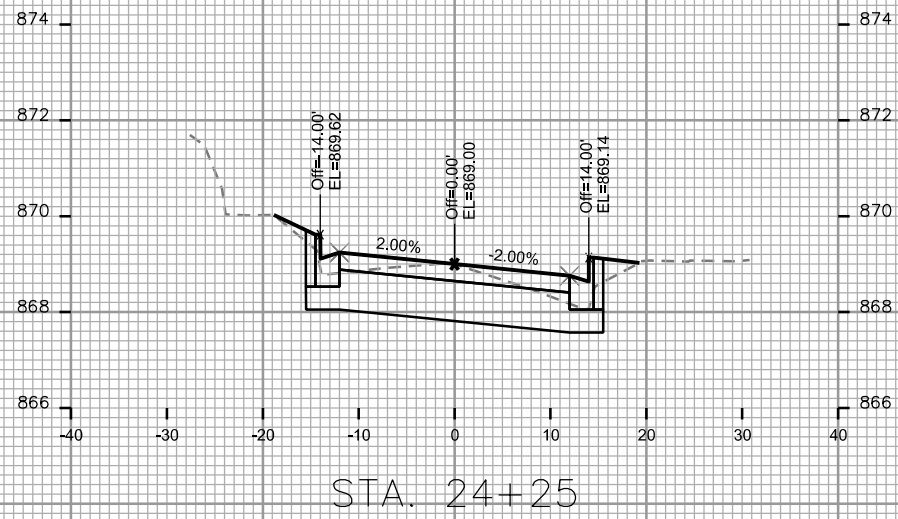
CITY OF MADISON

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CROSS SECTIONS

MILLER AVE

CITY OF MADISON

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

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