

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS **REVISED 7/15/2015**

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DI	EROSION CONTROL PLANS
EC1-EC7	STREET PLAN & PROFILES
PI-P7	RAIN GARDEN DETAIL
RG1-RG2	UTILITY PLAN & PROFILES
UI-U7	SANITARY SEWER SCHEDULE
U8	STORM SEWER SCHEDULE
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MADISON STREET RECONSTRUCTION & OAKLAND AVENUE
RESURFACING ASSESSMENT DISTRICT - 2015
BLOCK 1 WINGRA PARK ALLEY
RECONSTRUCTION ASSESSMENT DISTRICT-2015
CITY PROJECT NO. 53W1511 MUNIS 101206
CITY CONTRACT NO. 7395

PUBLIC IMPROVEMENT PROJECT APPROVED

DECEMBER 2, 2014

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

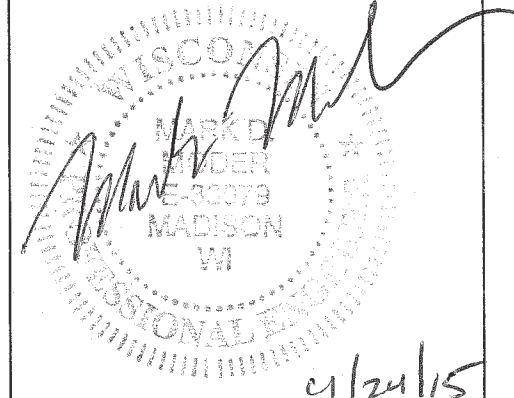
PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Michael R. Driley 4/24/2015
City Engineer Date

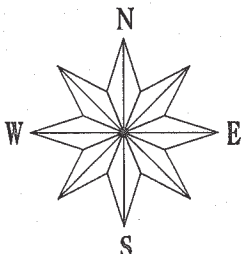
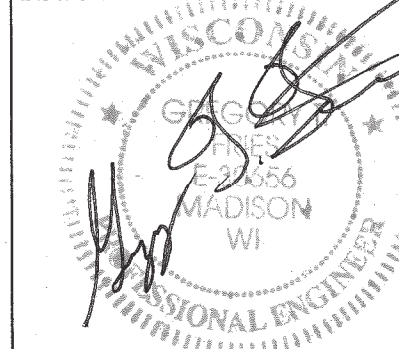
STREET DESIGNED BY:



SANITARY SEWER DESIGNED BY:



STORM SEWER DESIGNED BY:

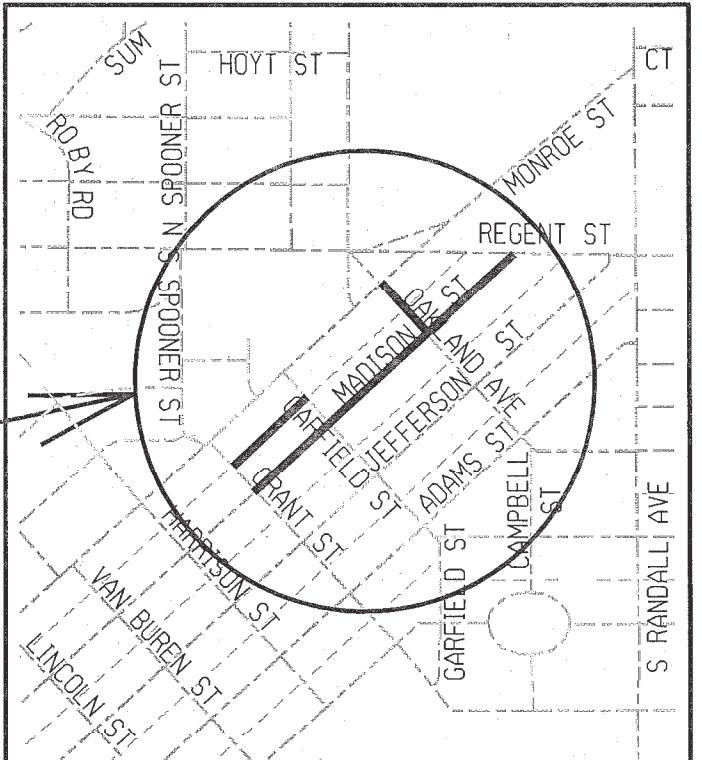


CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

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

CONSTRUCTION PROJECT LOCATION



NOTES:

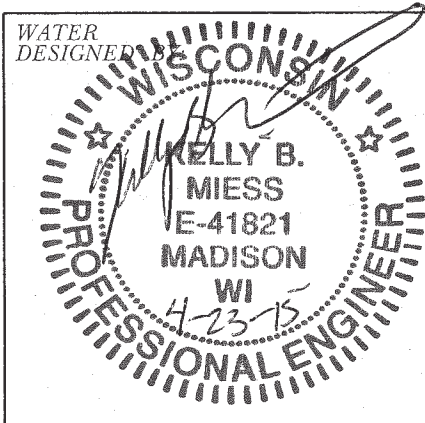
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

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%.

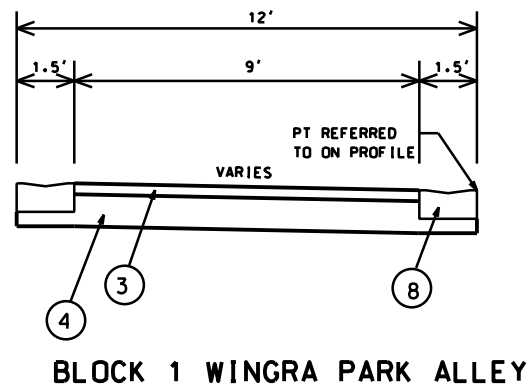
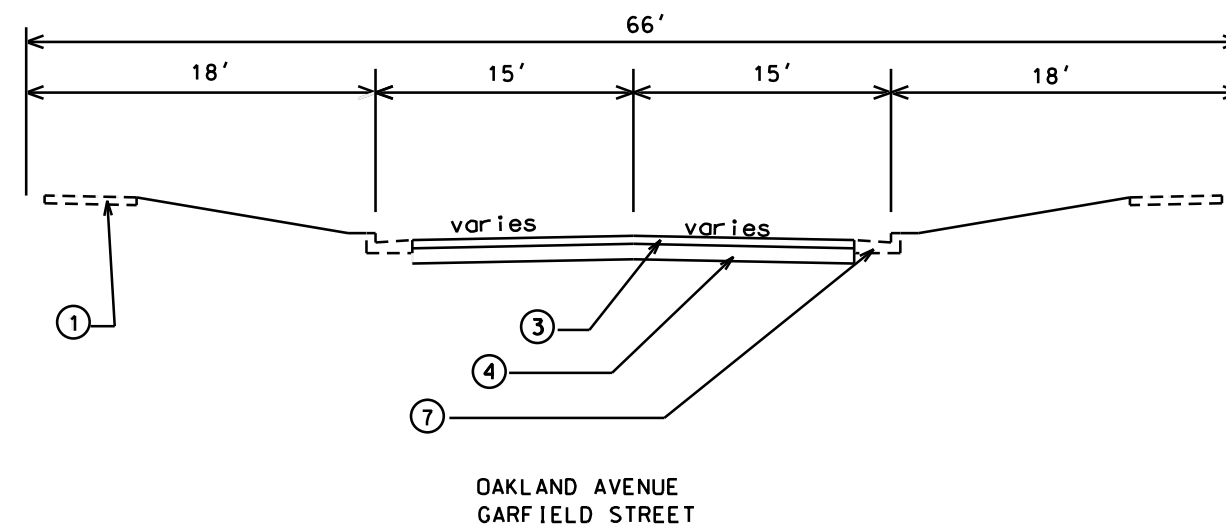
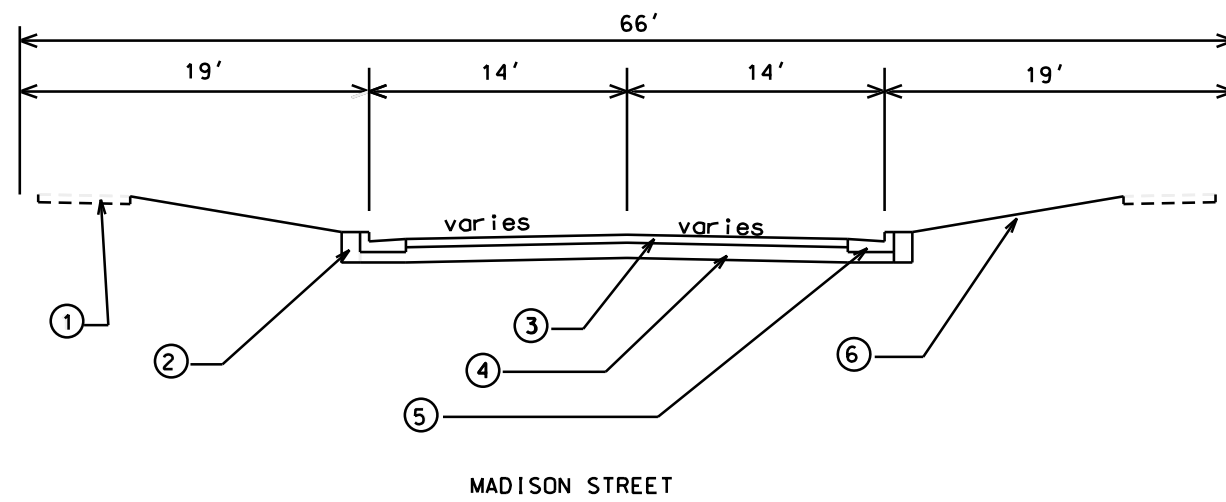
SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

EARTH WORK SUMMARY:

EXCAVATION CUT-MADISON (MEASURED PLAN QUANTITY).....	1979 C.Y.
EXCAVATION CUT-OAKLAND (MEASURED PLAN QUANTITY).....	318 C.Y.
EXCAVATION CUT-GARFIELD (MEASURED PLAN QUANTITY).....	255 C.Y.
EXCAVATION CUT-ALLEY (MEASURED PLAN QUANTITY).....	176 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....	1648 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....	4376 C.Y.



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



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


LE EL. 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


PLOT SCALE: _____


PLOT NAME: _____

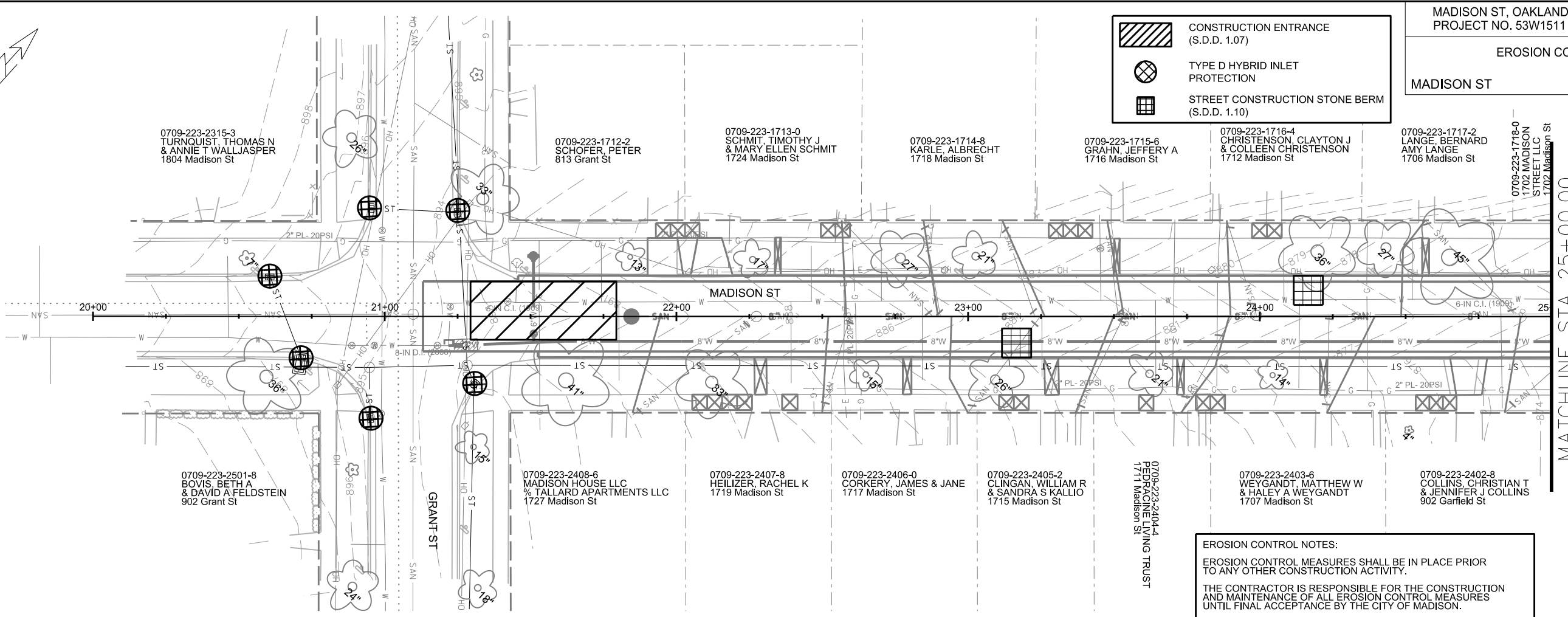
REV. DATE: _____

ORIGINATOR: _____

 CONSTRUCTION ENTRANCE (S.D.D. 1.07)

 TYPE D HYBRID INLET PROTECTION

 STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)



EROSION CONTROL NOTES:

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

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

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

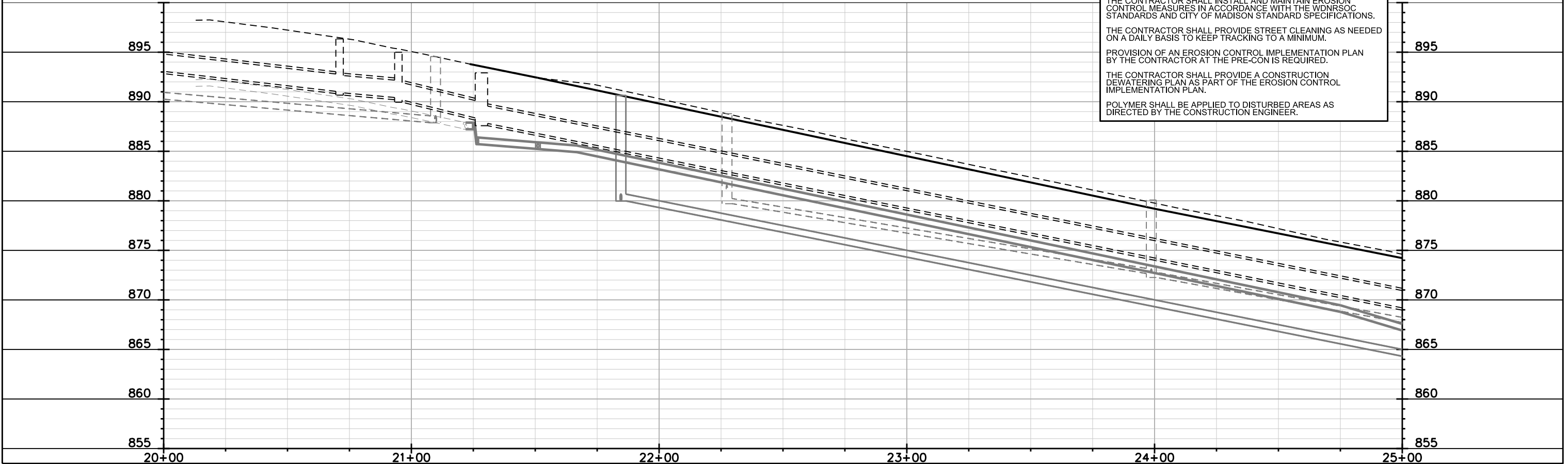
THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

PROVISION OF AN EROSION CONTROL IMPLEMENTATION PLAN BY THE CONTRACTOR AT THE PRE-CON IS REQUIRED.

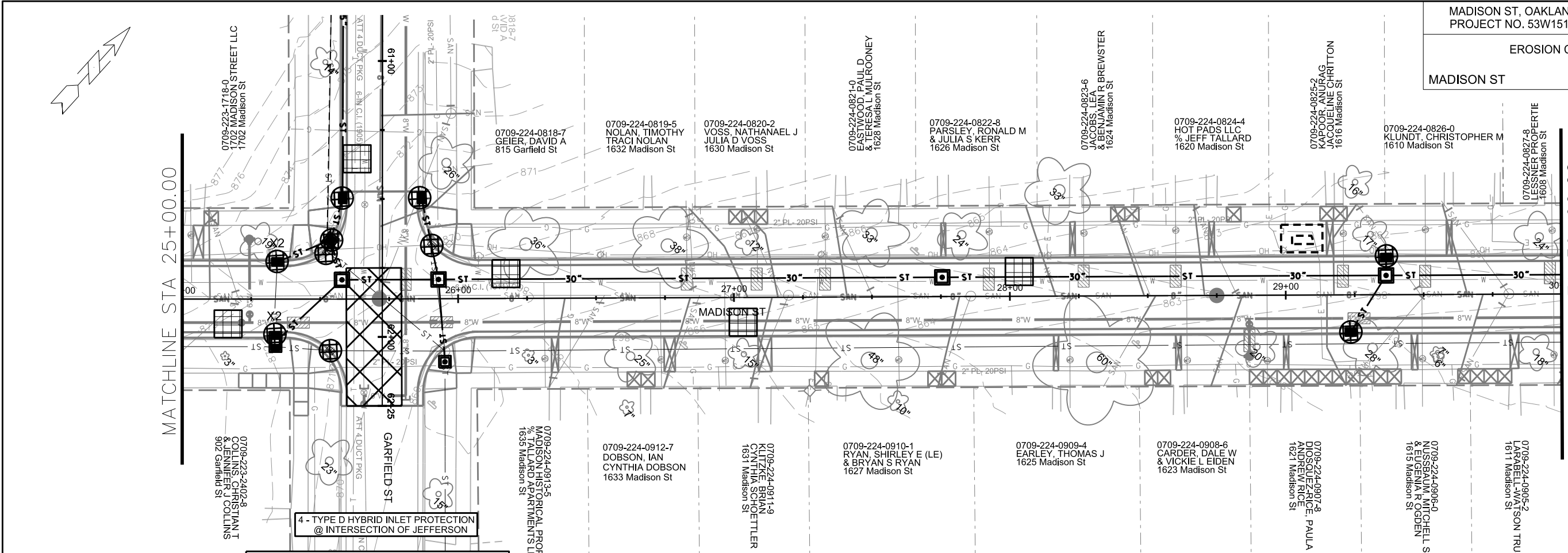
THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION DEWATERING PLAN AS PART OF THE EROSION CONTROL IMPLEMENTATION PLAN.

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

MATCHLINE STA 25+00.00



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



- STREET CONSTRUCTION ENTRANCE BERM (S.D.D. 1.08)
- TYPE D HYBRID INLET PROTECTION
- TYPE C INLET PROTECTION
- STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)

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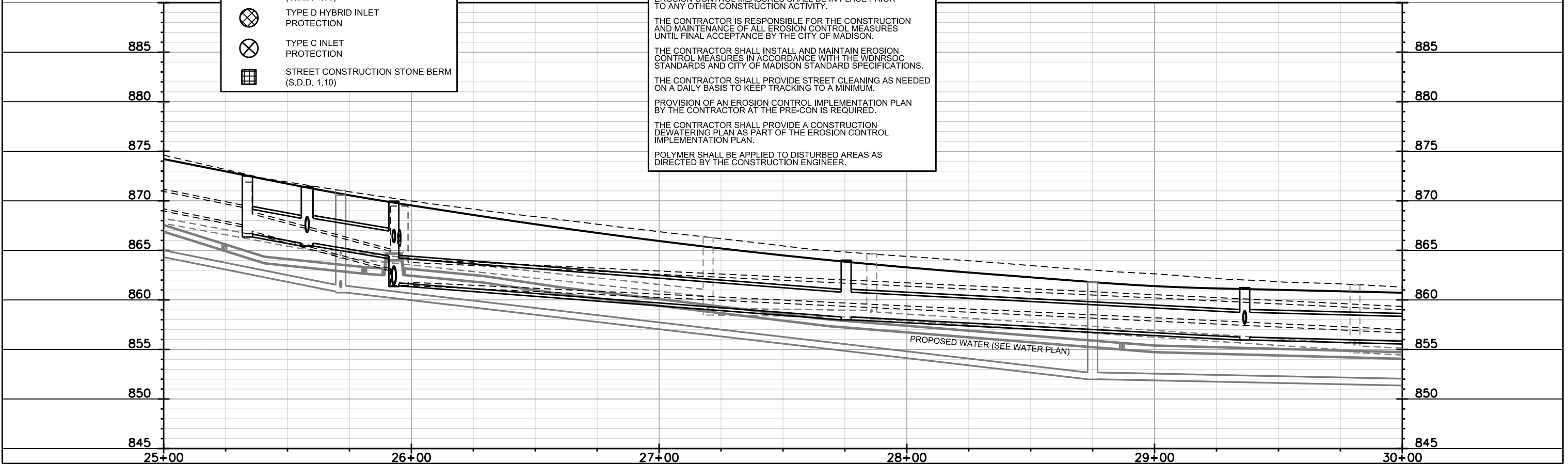
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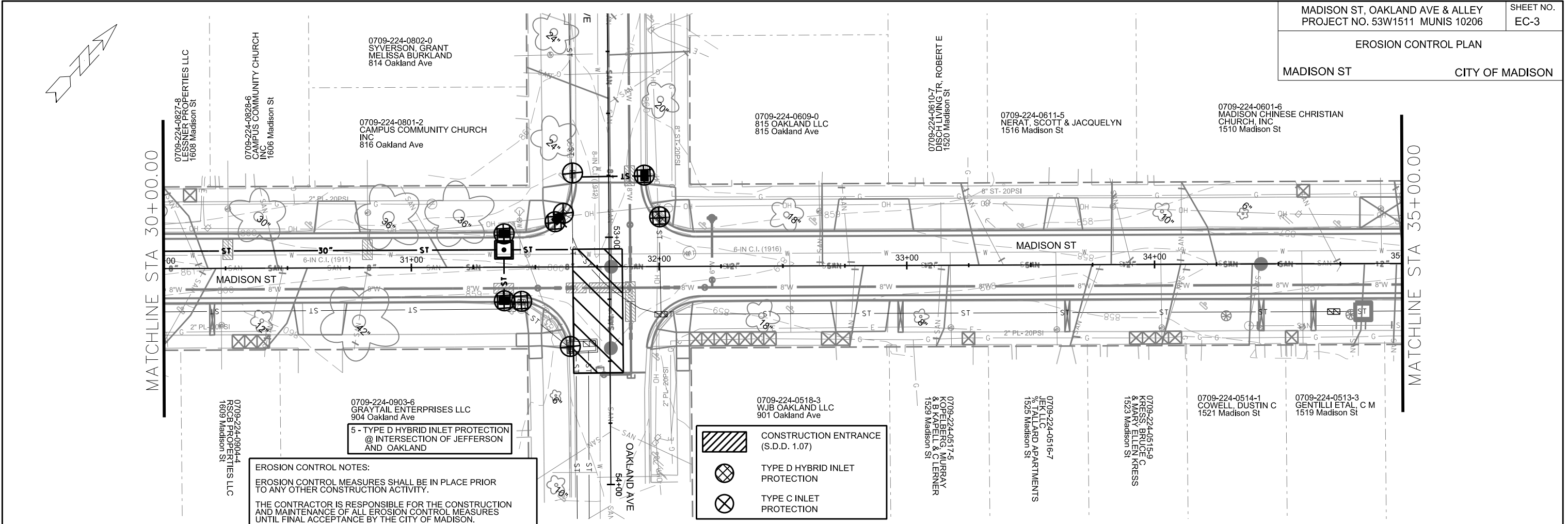


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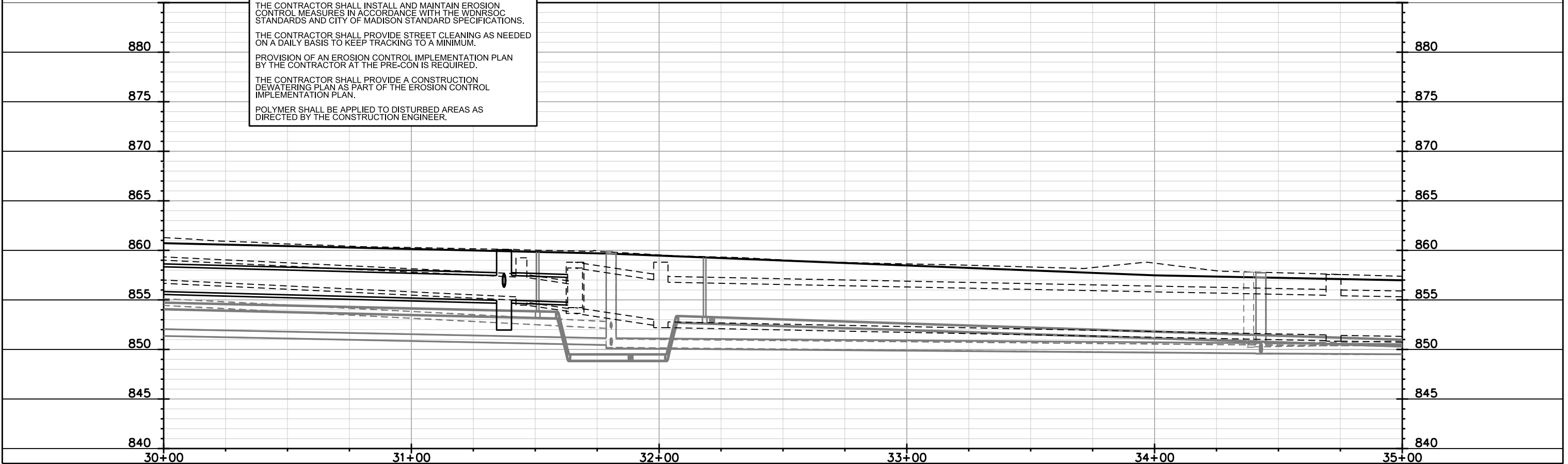
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



5 - TYPE D HYBRID INLET PROTECTION @ INTERSECTION OF JEFFERSON AND OAKLAND

	CONSTRUCTION ENTRANCE (S.D.D. 1.07)
	TYPE D HYBRID INLET PROTECTION
	TYPE C INLET PROTECTION

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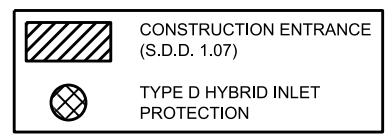
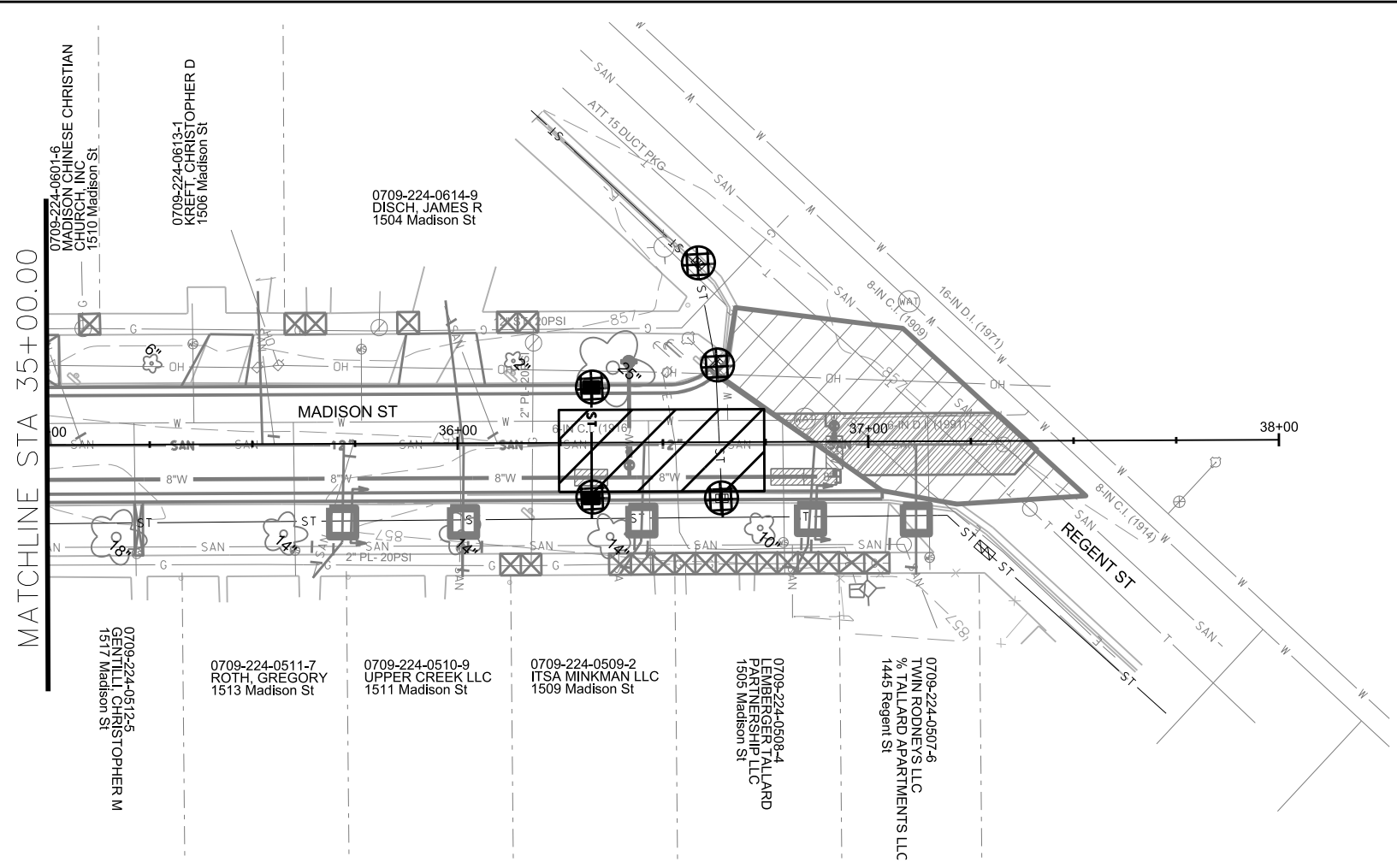
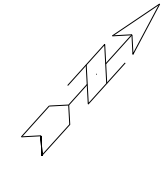


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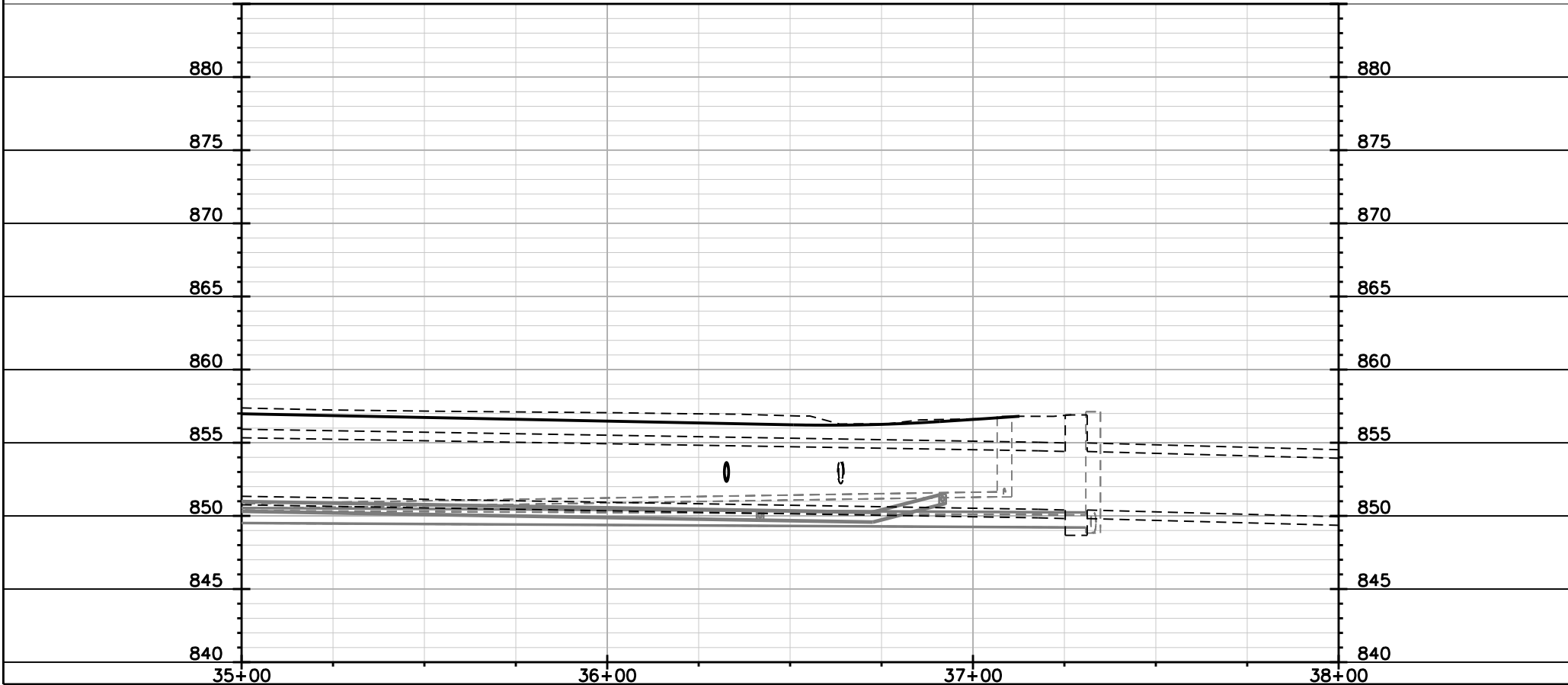
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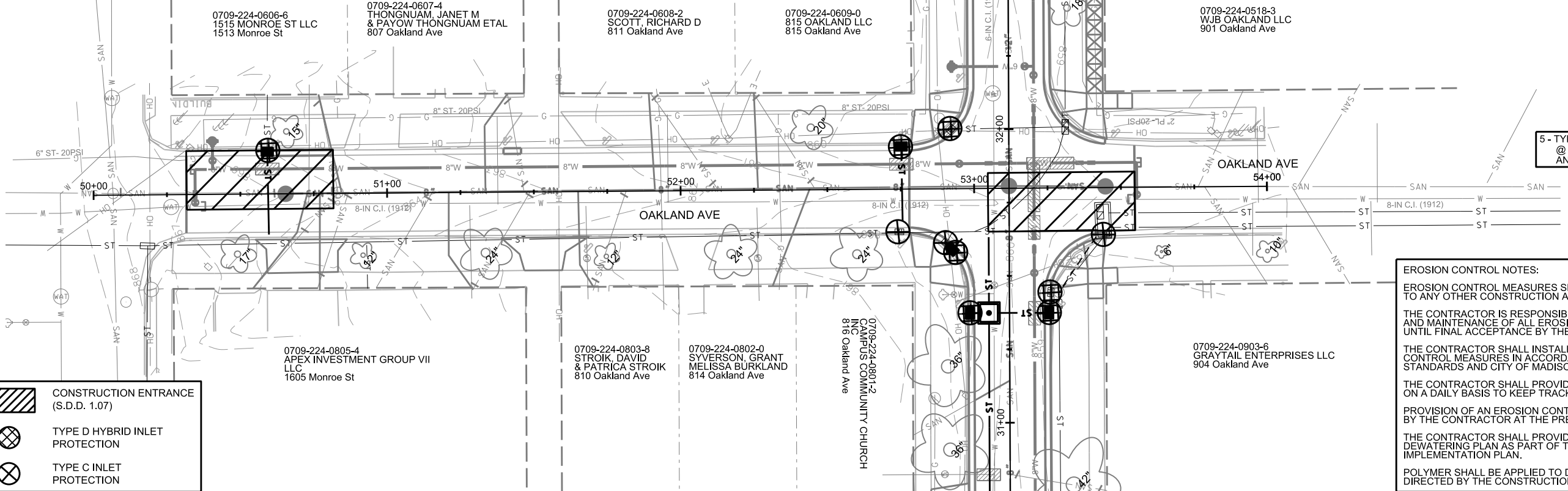
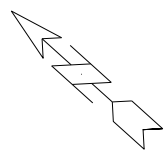
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	CONSTRUCTION ENTRANCE (S.D.D. 1.07)
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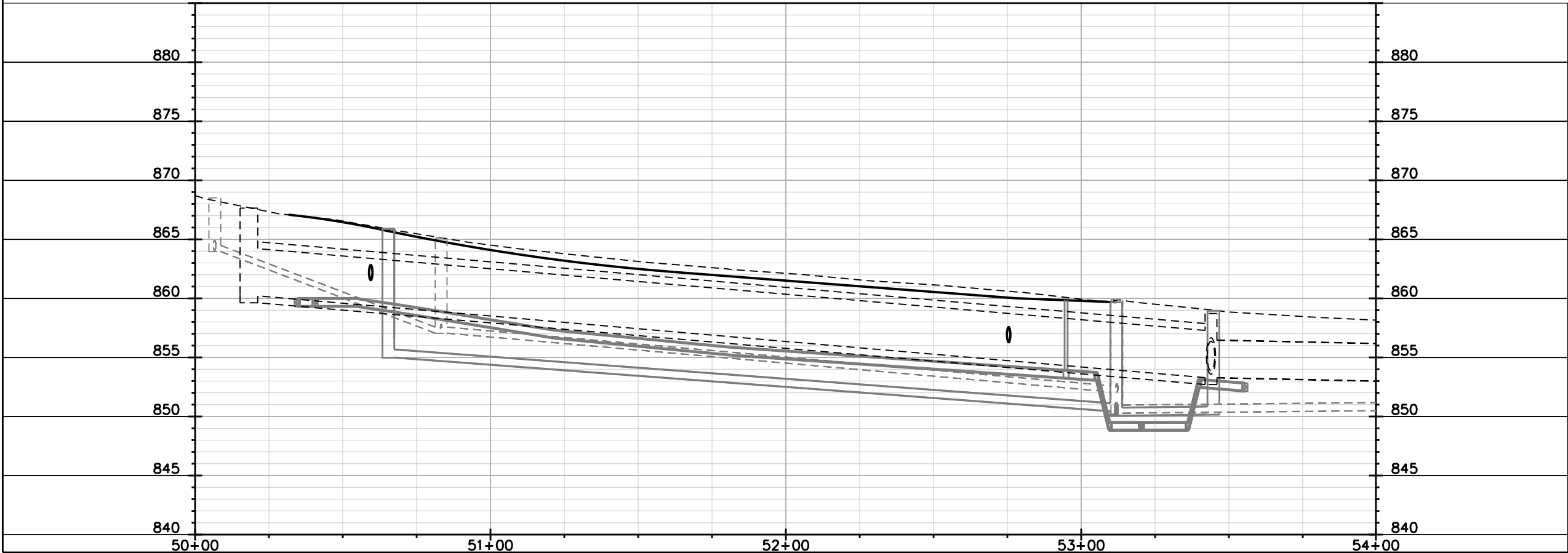
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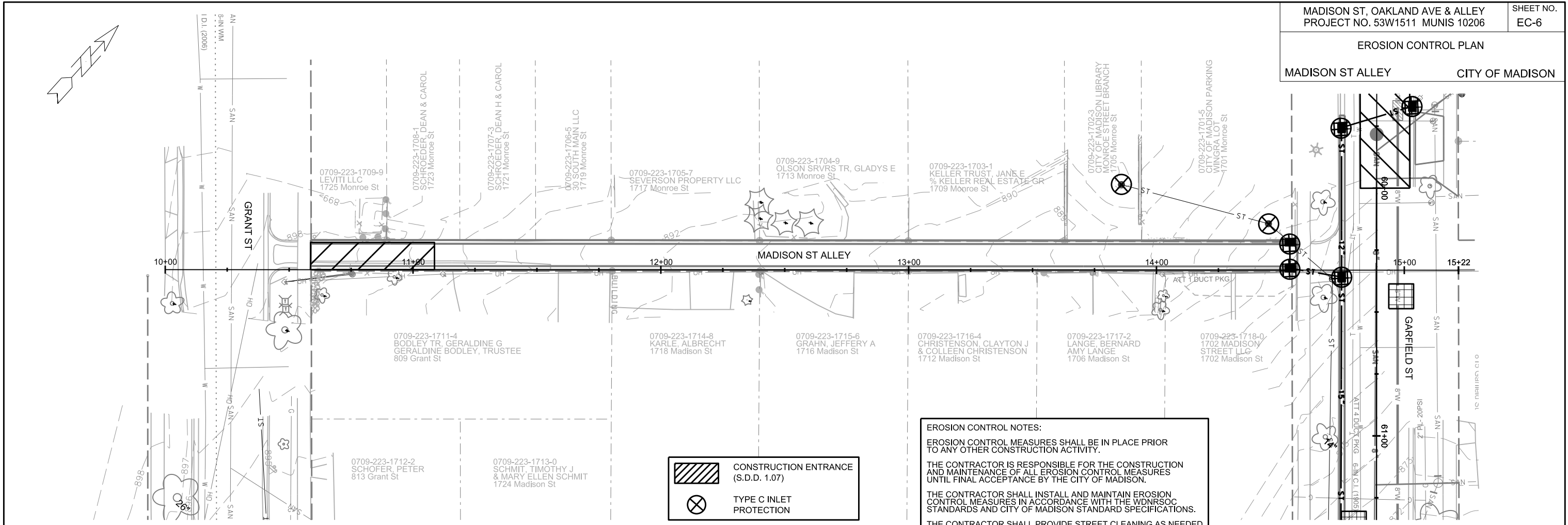
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL PLAN
MADISON ST ALLEY CITY OF MADISON



	CONSTRUCTION ENTRANCE (S.D.D. 1.07)
	TYPE C INLET PROTECTION

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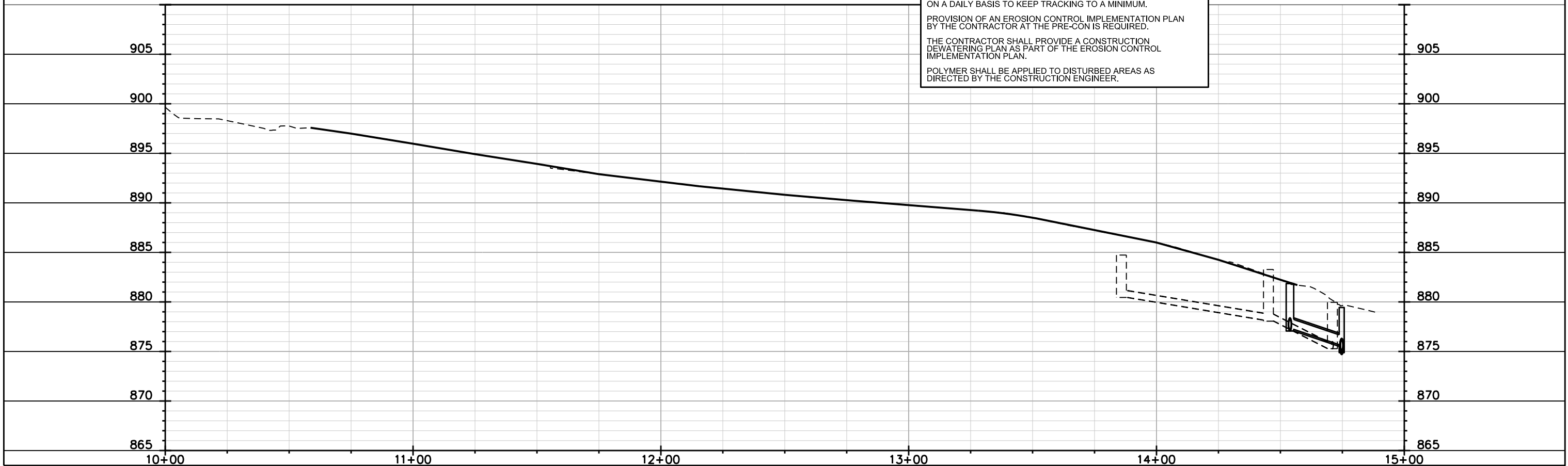
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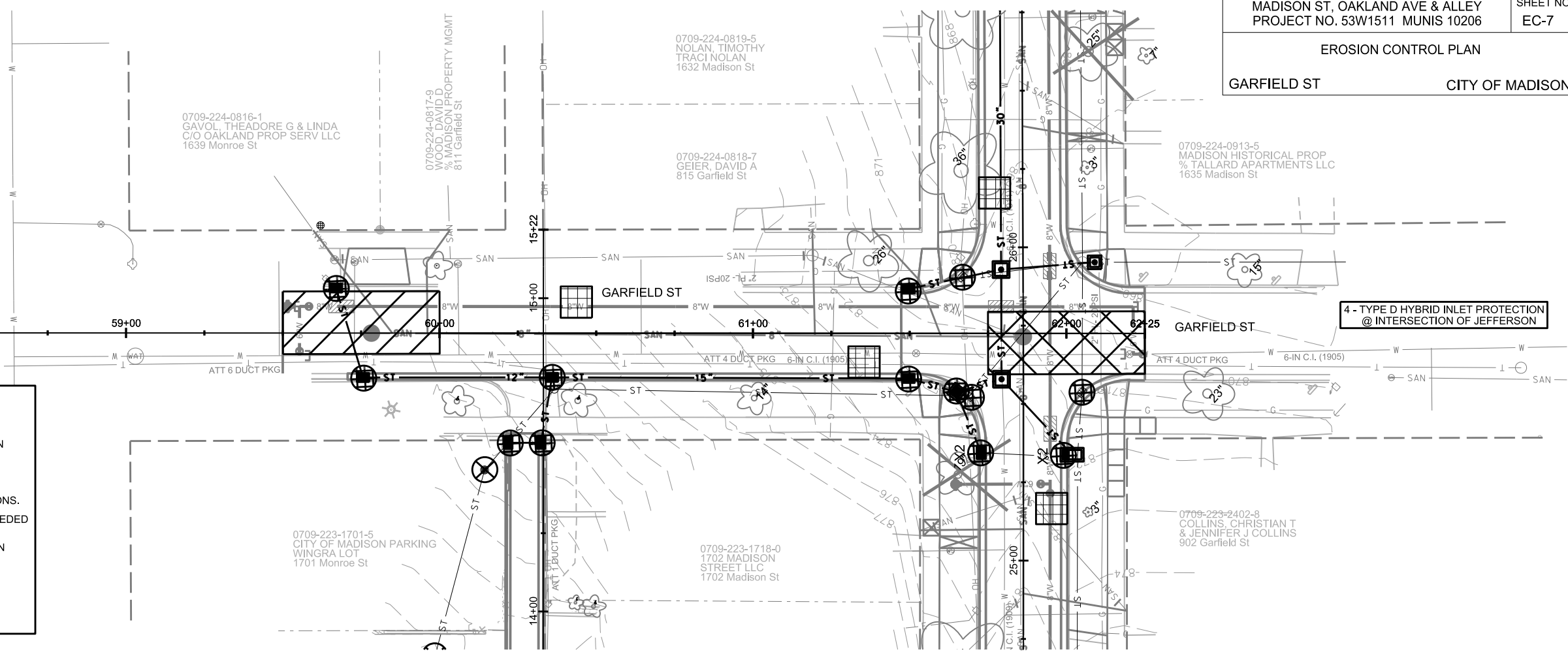
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

-  CONSTRUCTION ENTRANCE (S.D.D. 1.07)
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4 - TYPE D HYBRID INLET PROTECTION @ INTERSECTION OF JEFFERSON



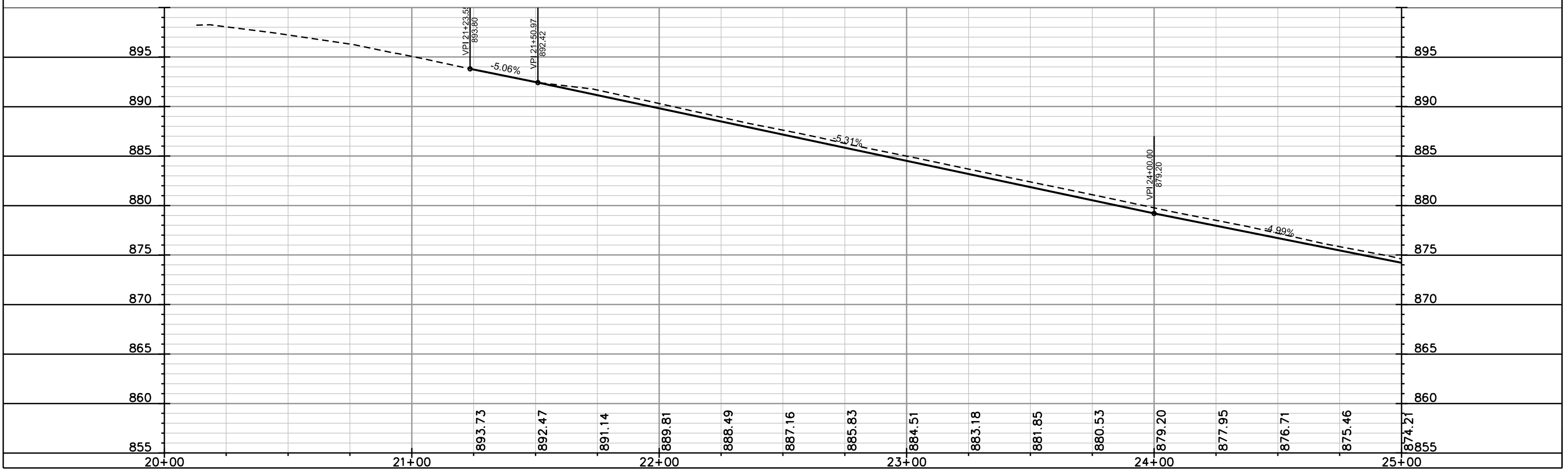
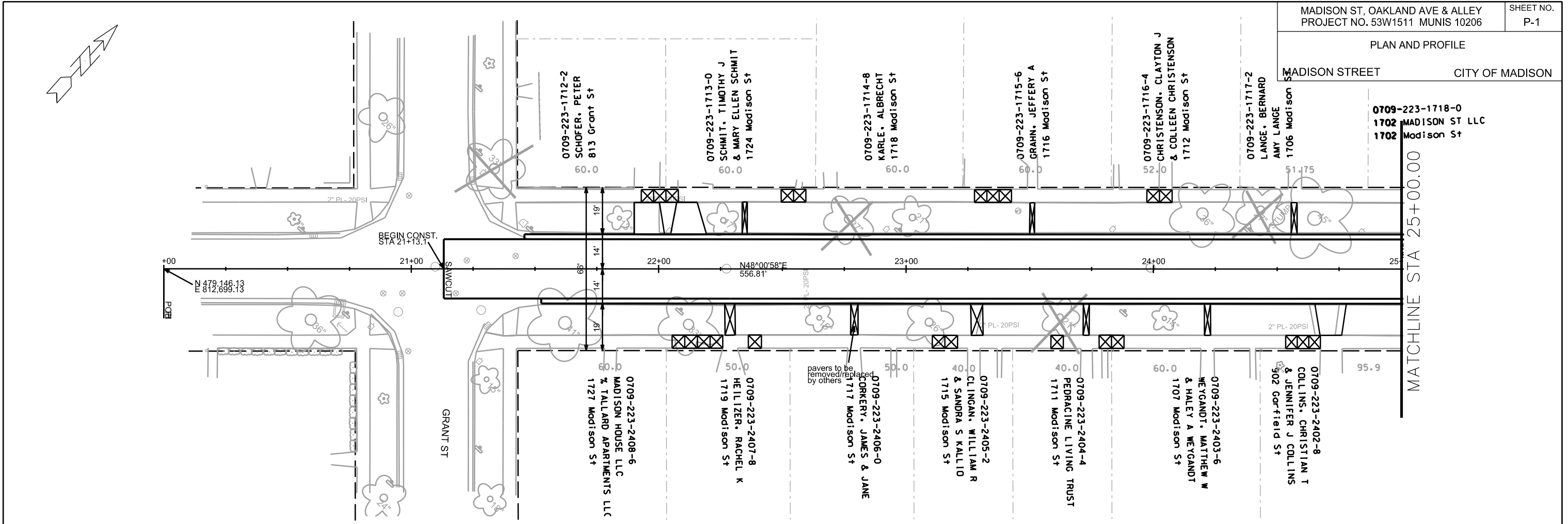
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PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
MADISON STREET
CITY OF MADISON



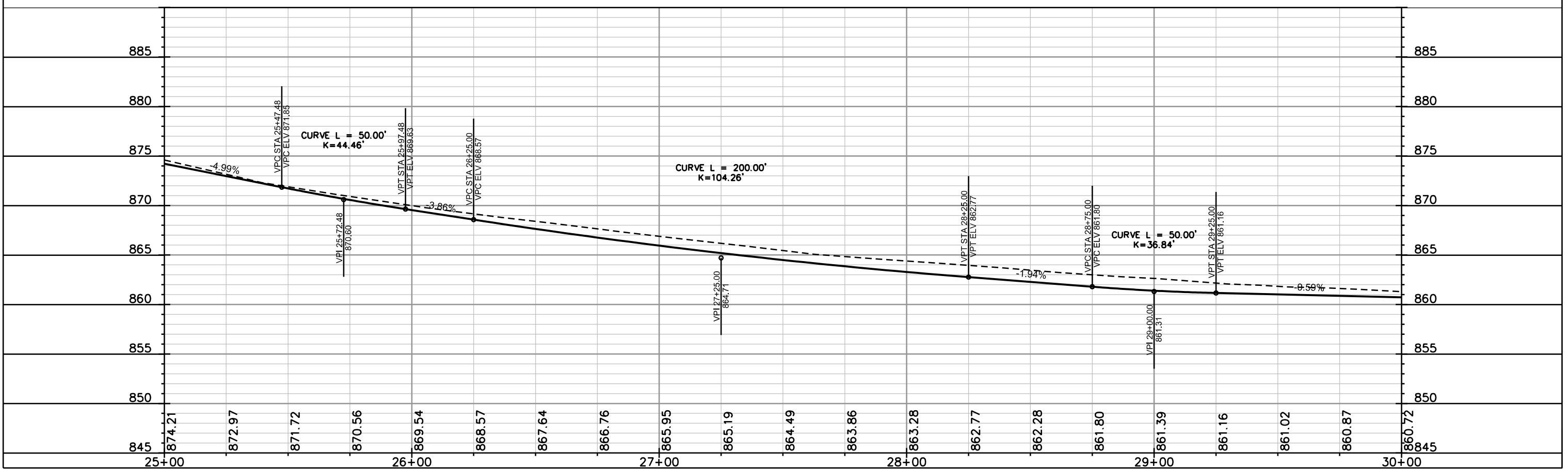
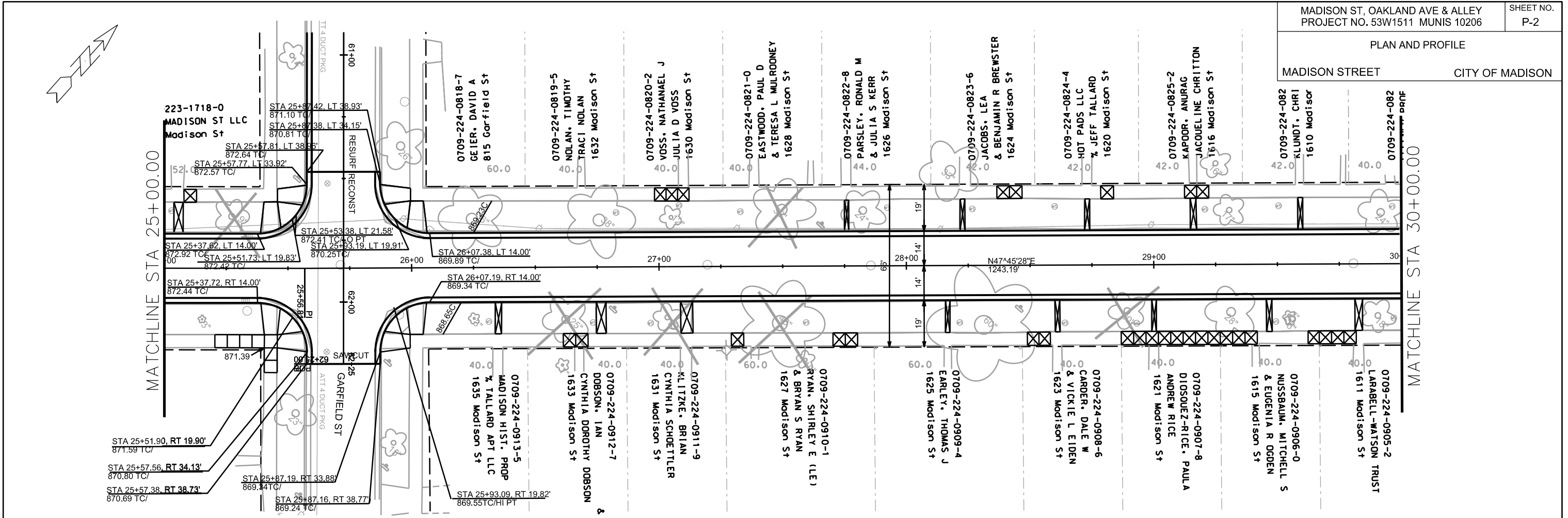
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
MADISON STREET CITY OF MADISON

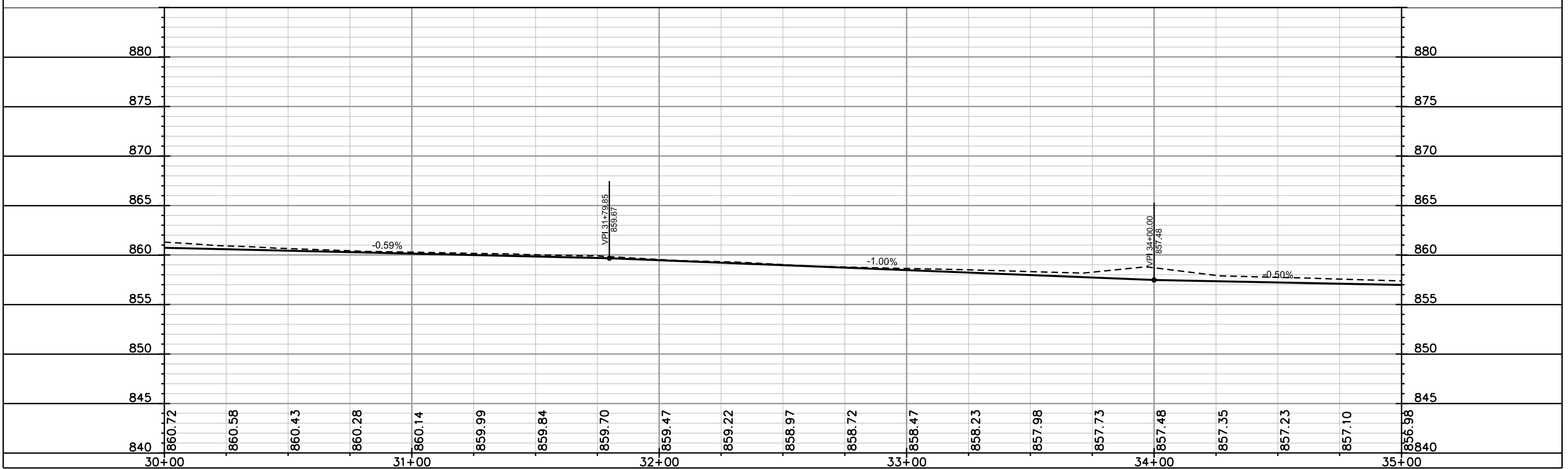
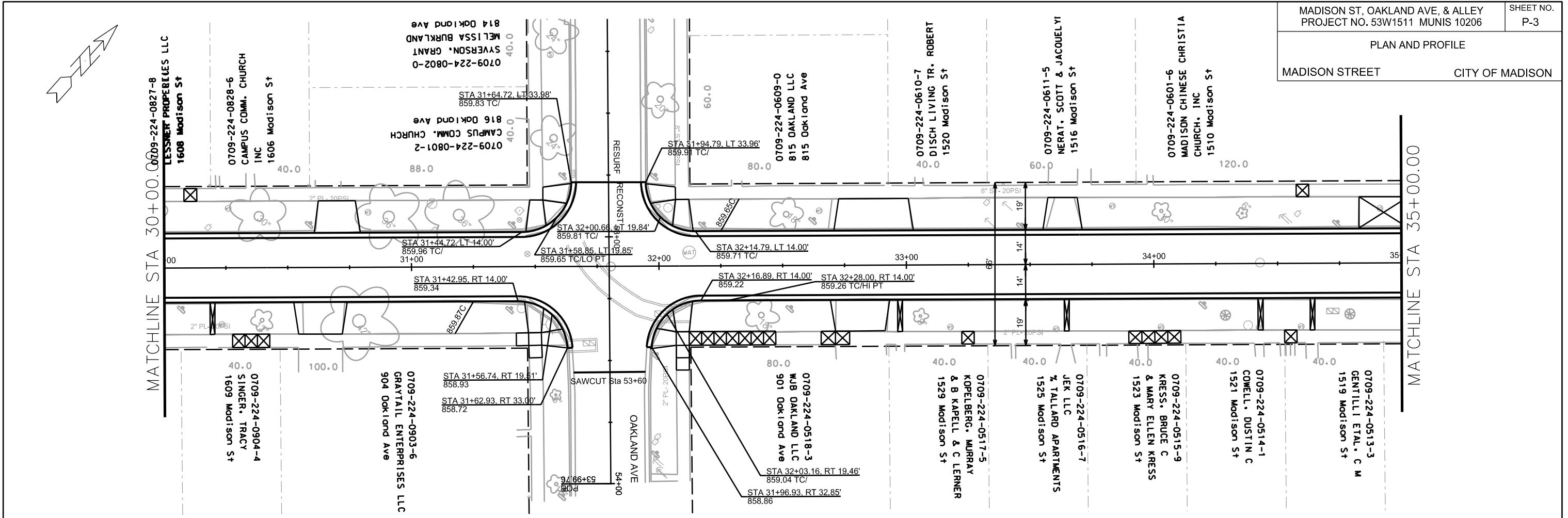


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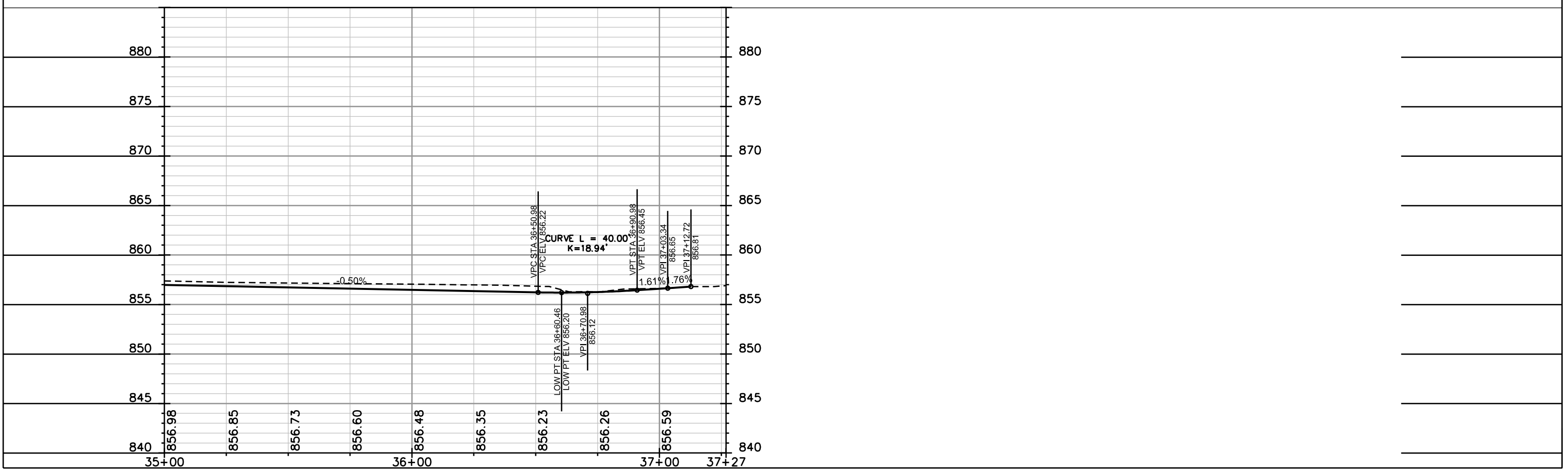
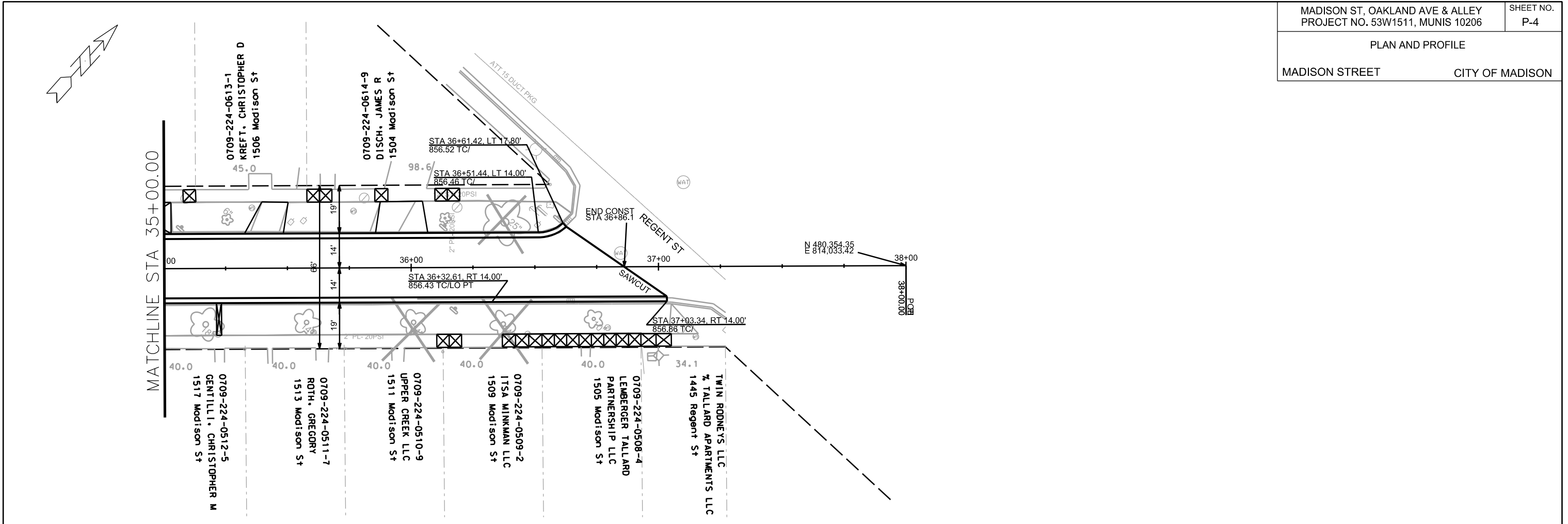


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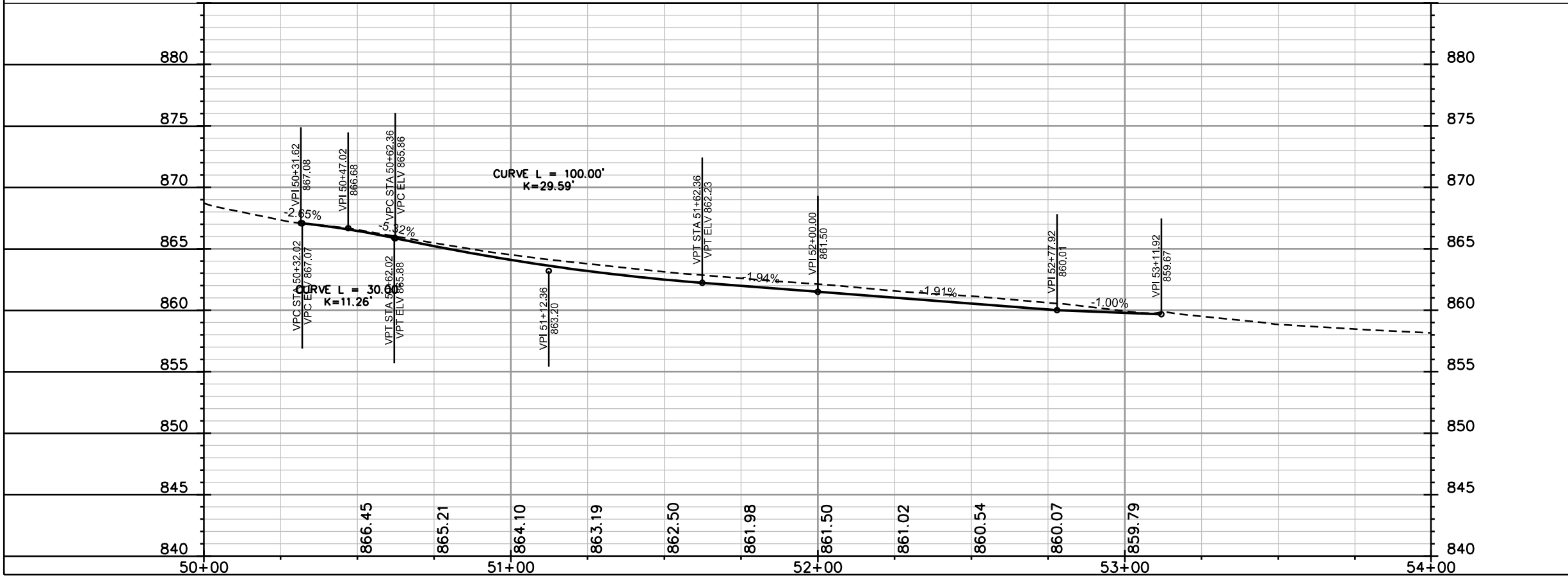
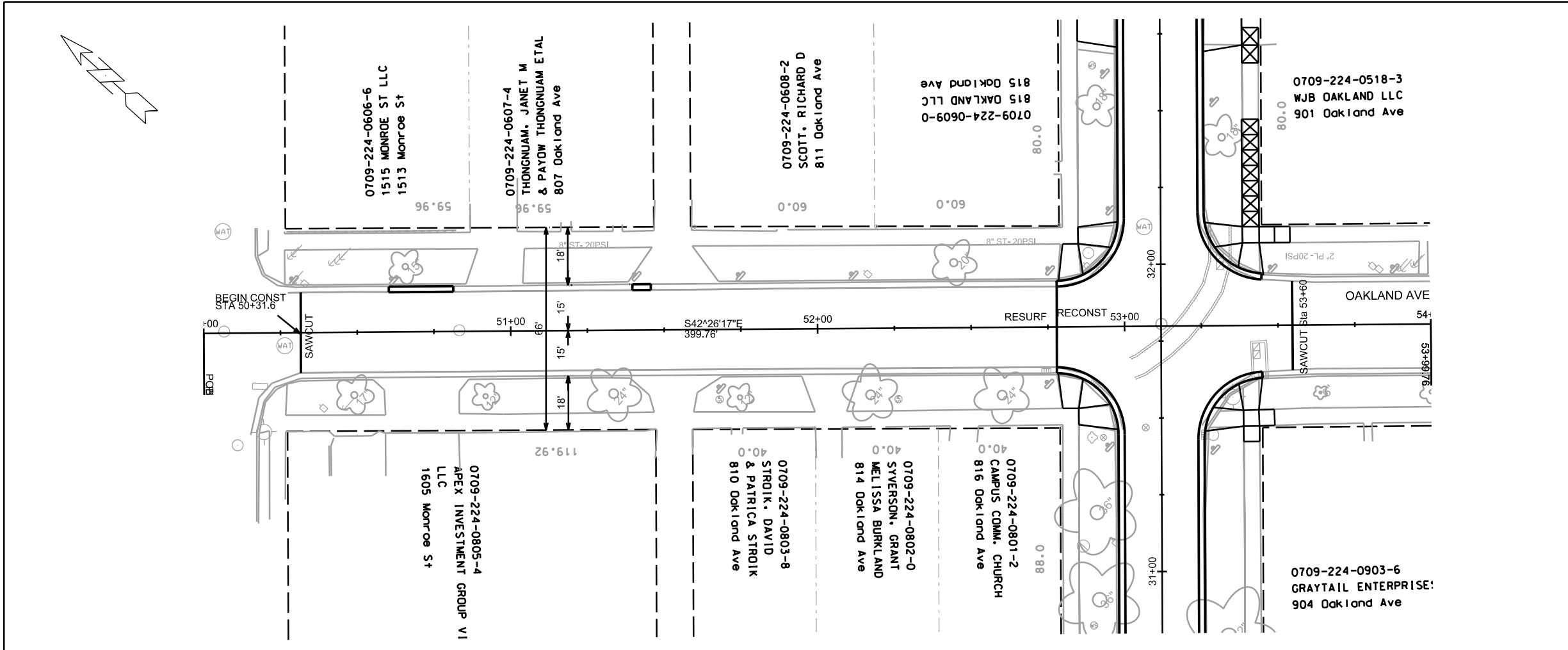


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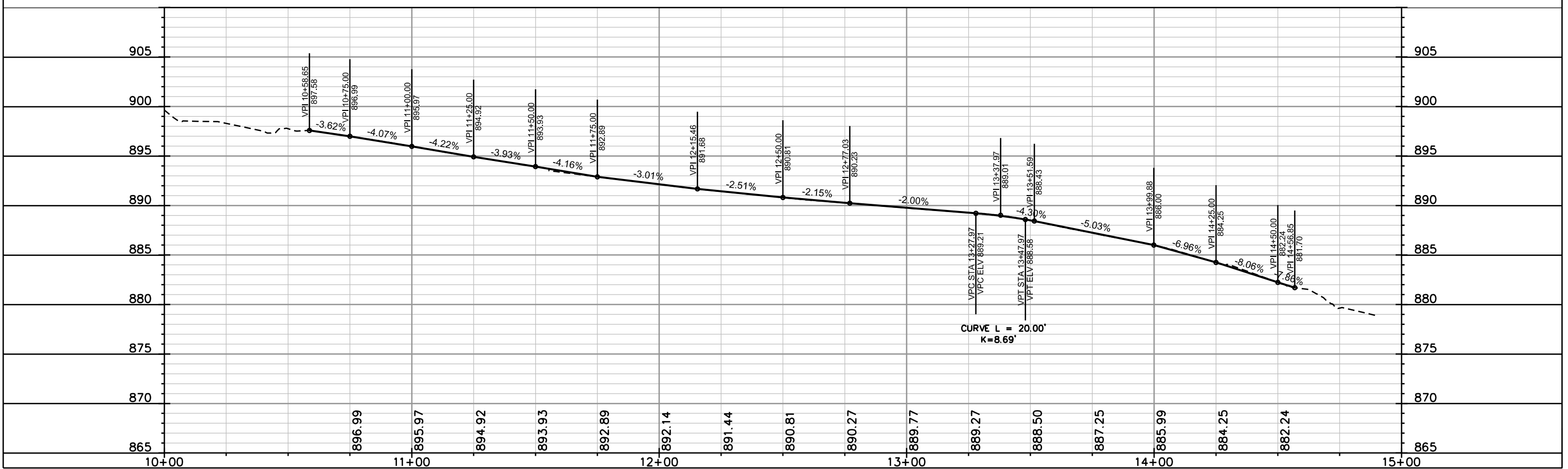
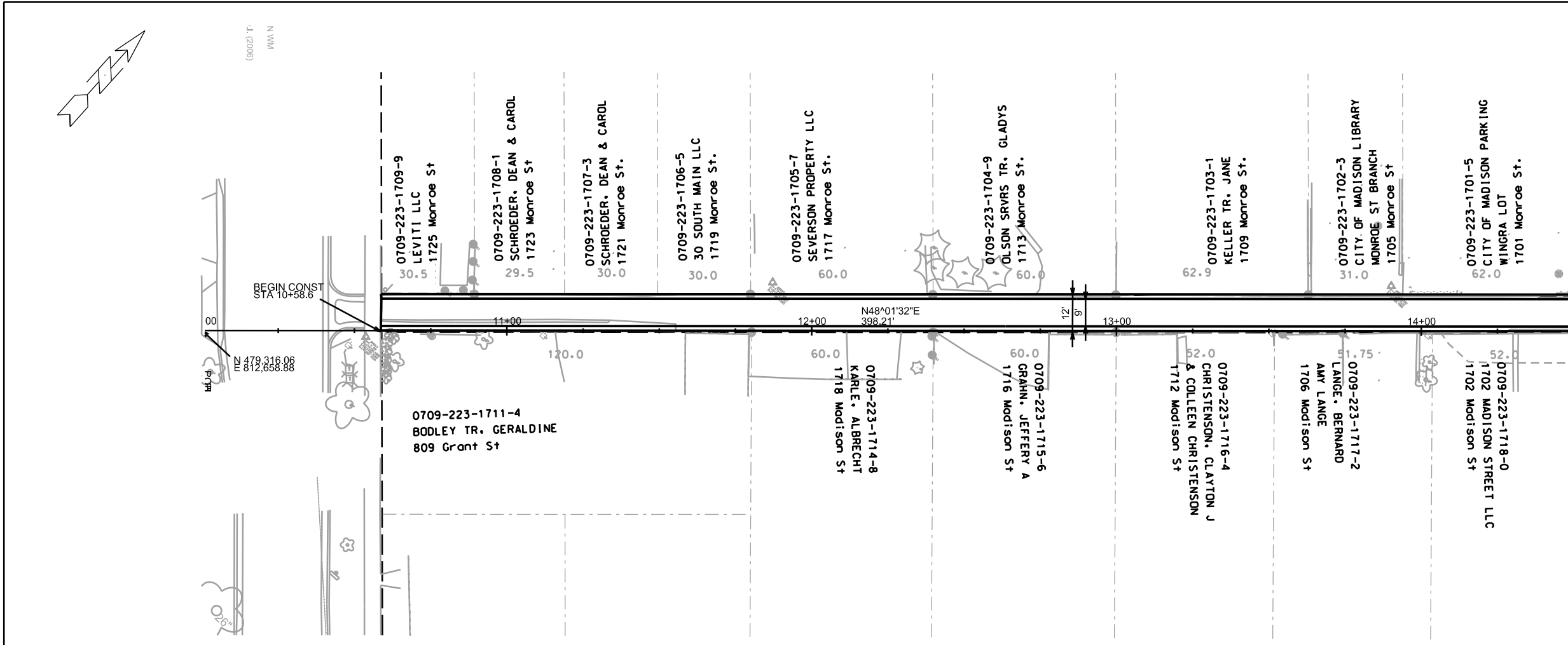


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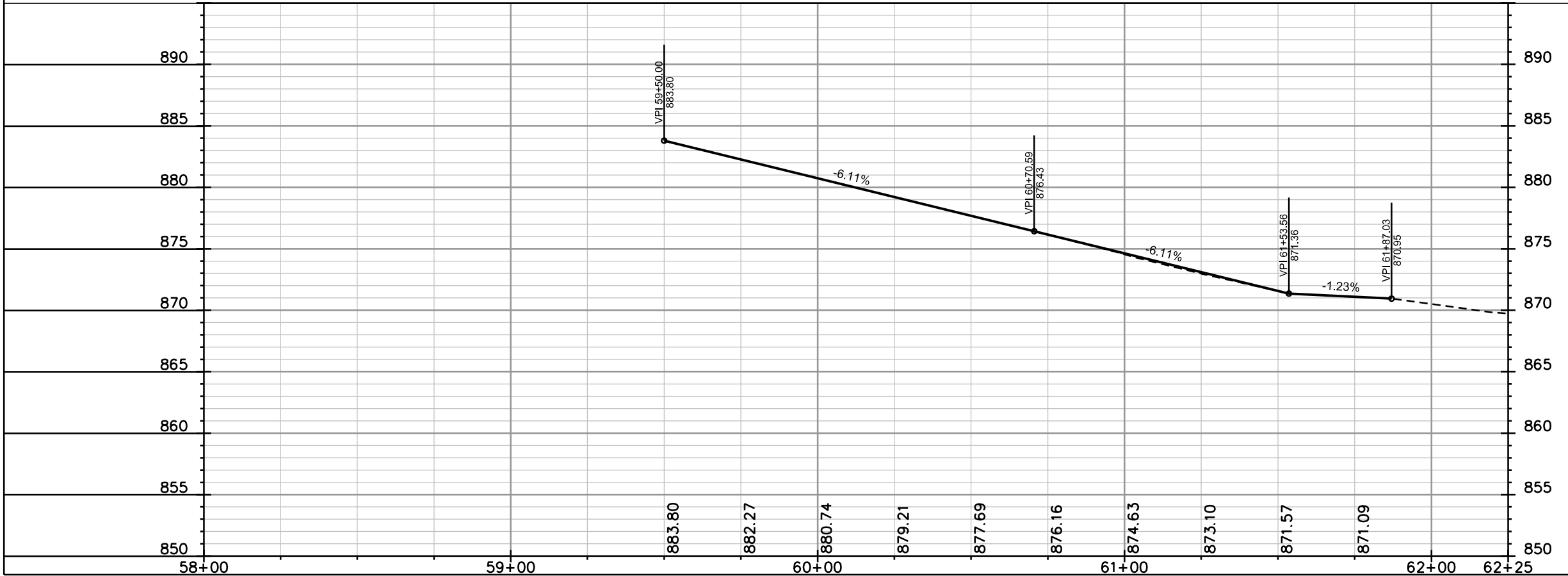
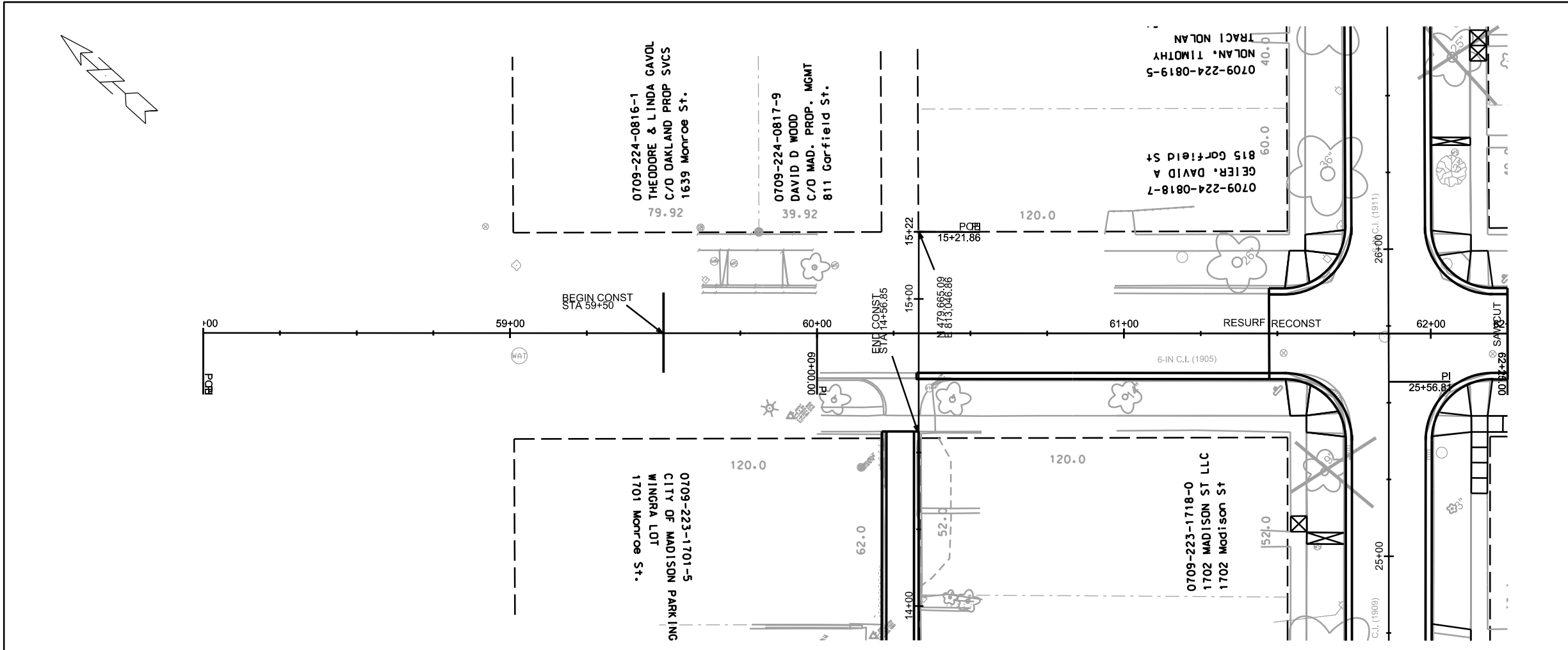


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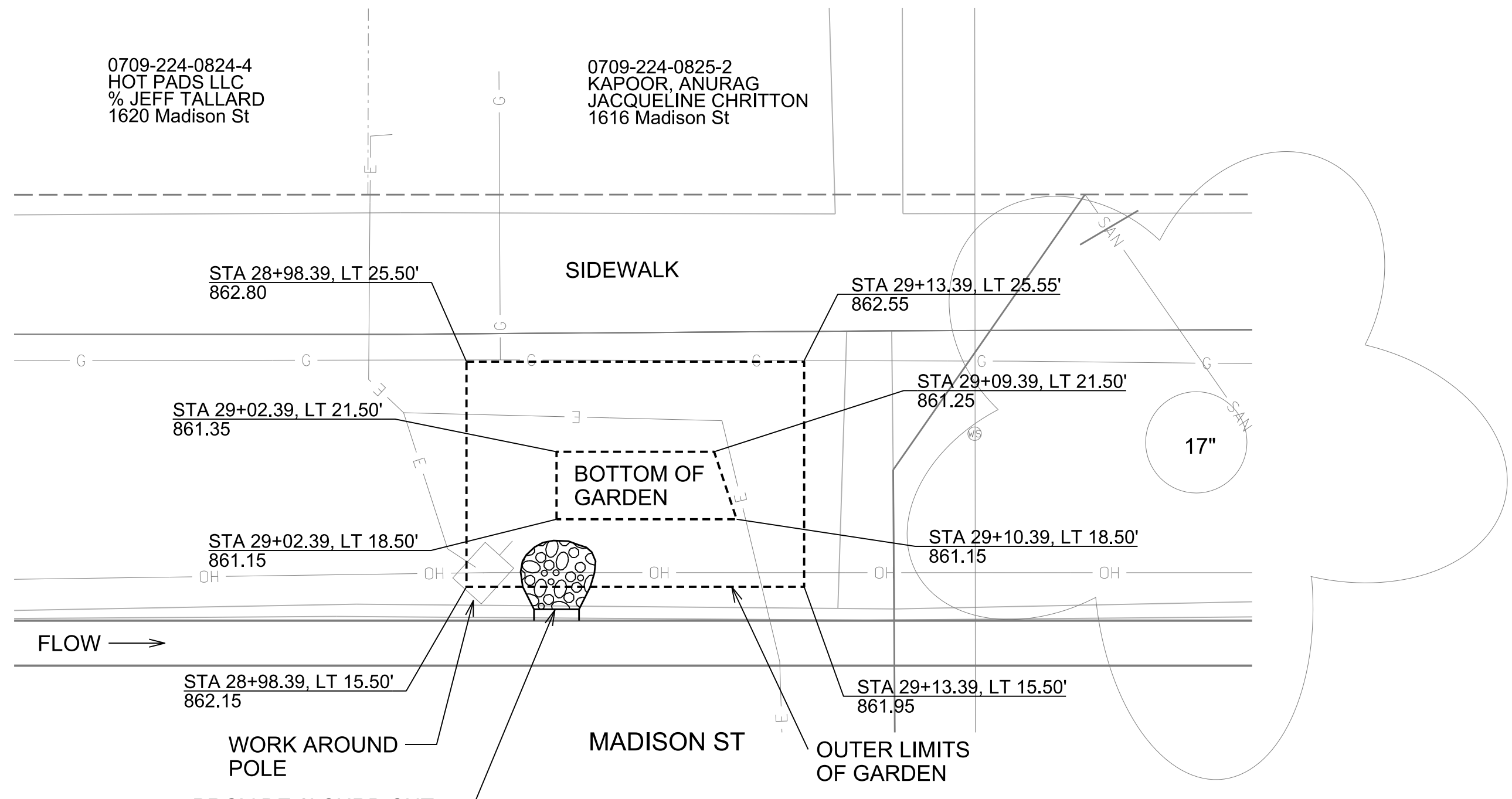
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0709-224-0824-4
HOT PADS LLC
% JEFF TALLARD
1620 Madison St

0709-224-0825-2
KAPOOR, ANURAG
JACQUELINE CHRITTON
1616 Madison St



STA 28+98.39, LT 25.50'
862.80

SIDEWALK

STA 29+13.39, LT 25.55'
862.55

STA 29+02.39, LT 21.50'
861.35

STA 29+09.39, LT 21.50'
861.25

BOTTOM OF GARDEN

17"

STA 29+02.39, LT 18.50'
861.15

STA 29+10.39, LT 18.50'
861.15

FLOW →

STA 28+98.39, LT 15.50'
862.15

STA 29+13.39, LT 15.50'
861.95

WORK AROUND
POLE

MADISON ST

OUTER LIMITS
OF GARDEN

PROVIDE 2' CURB CUT
AND 3" CLEAR STONE
(GRADE AS NECESSARY)

NOTE: SEE STANDARD DETAIL DRAWING 2.09
FOR CONSTRUCTION DETAILS AND MATERIALS

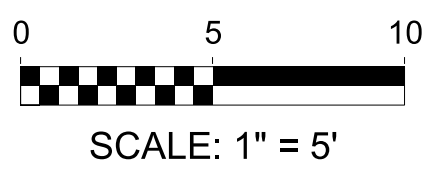
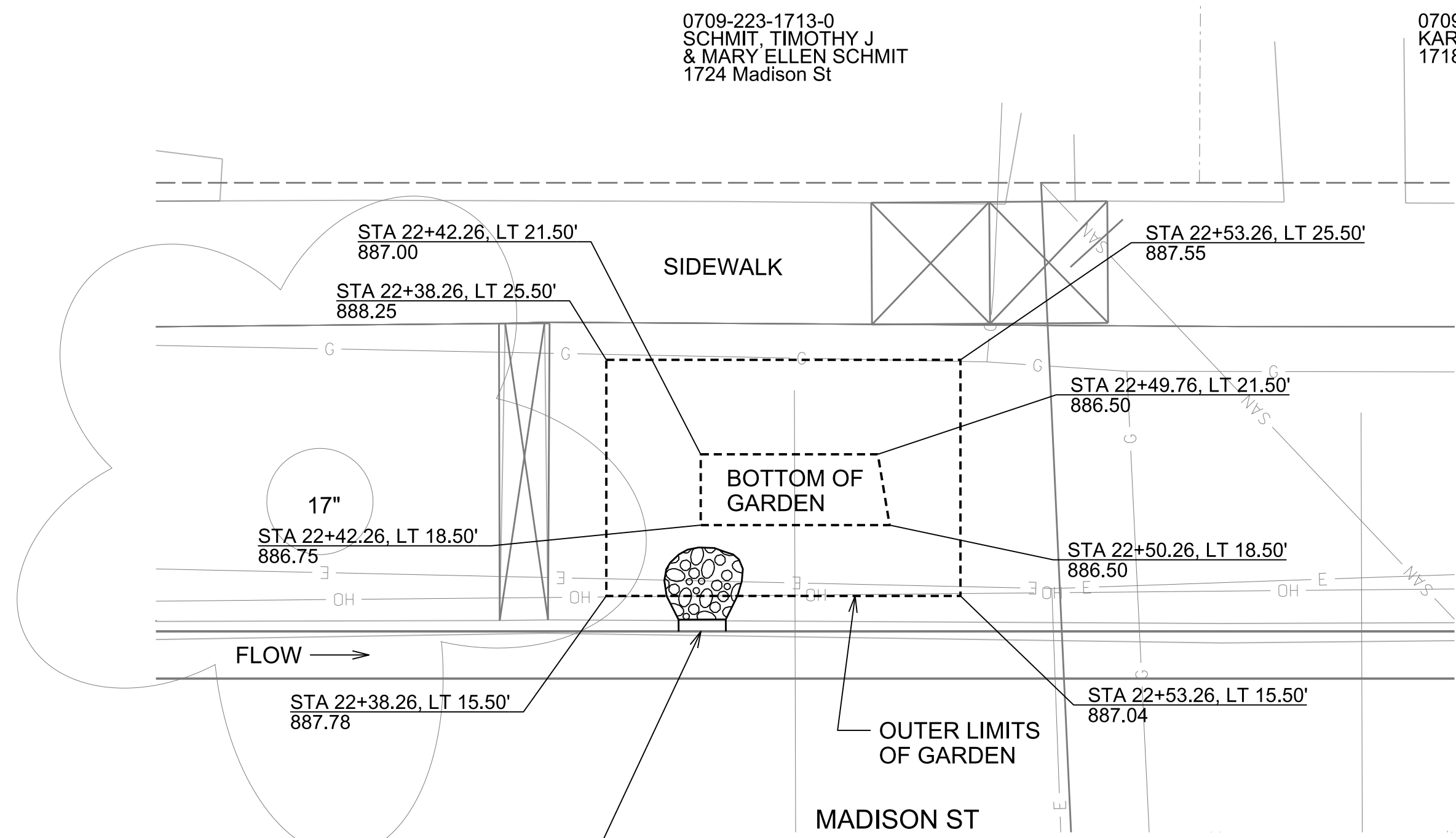


SCALE: 1" = 5'

PLOT SCALE:
PLOT NAME:
REV. DATE:
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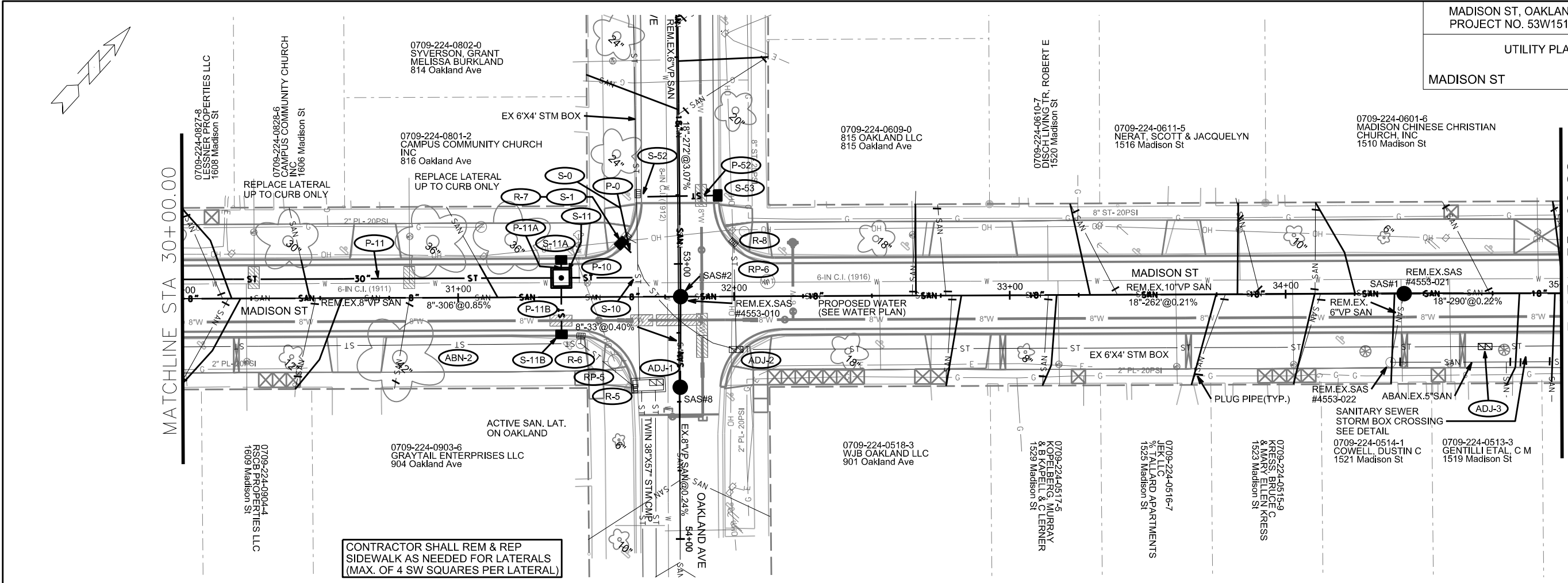
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SCHMIT, TIMOTHY J
& MARY ELLEN SCHMIT
1724 Madison St

0709-223-1714-8
KARLE, ALBRECHT
1718 Madison St

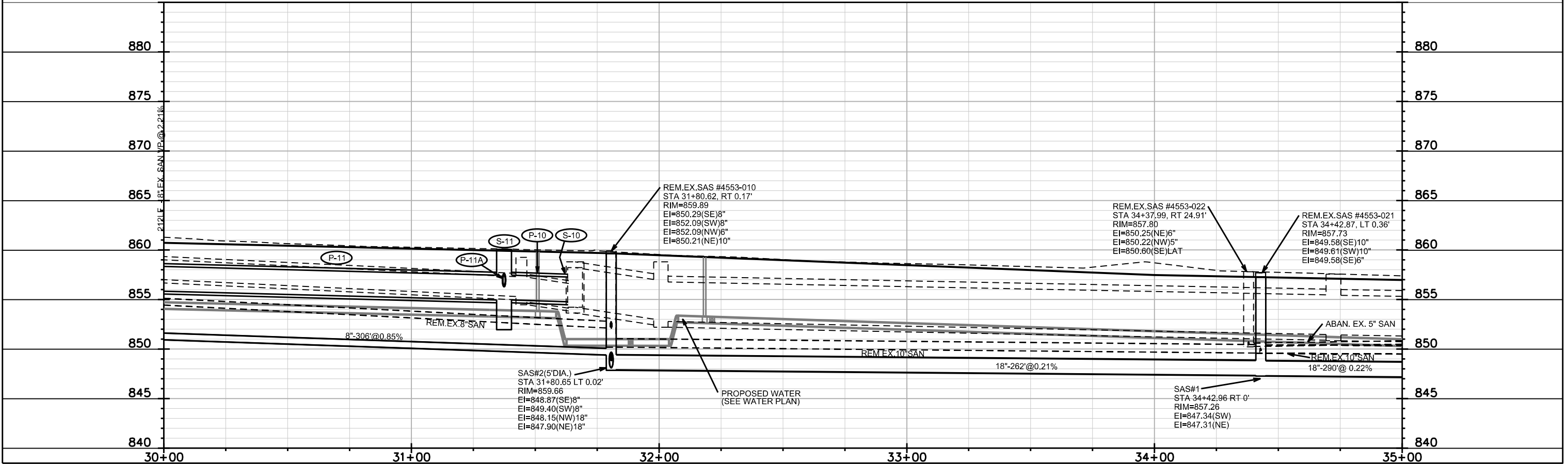


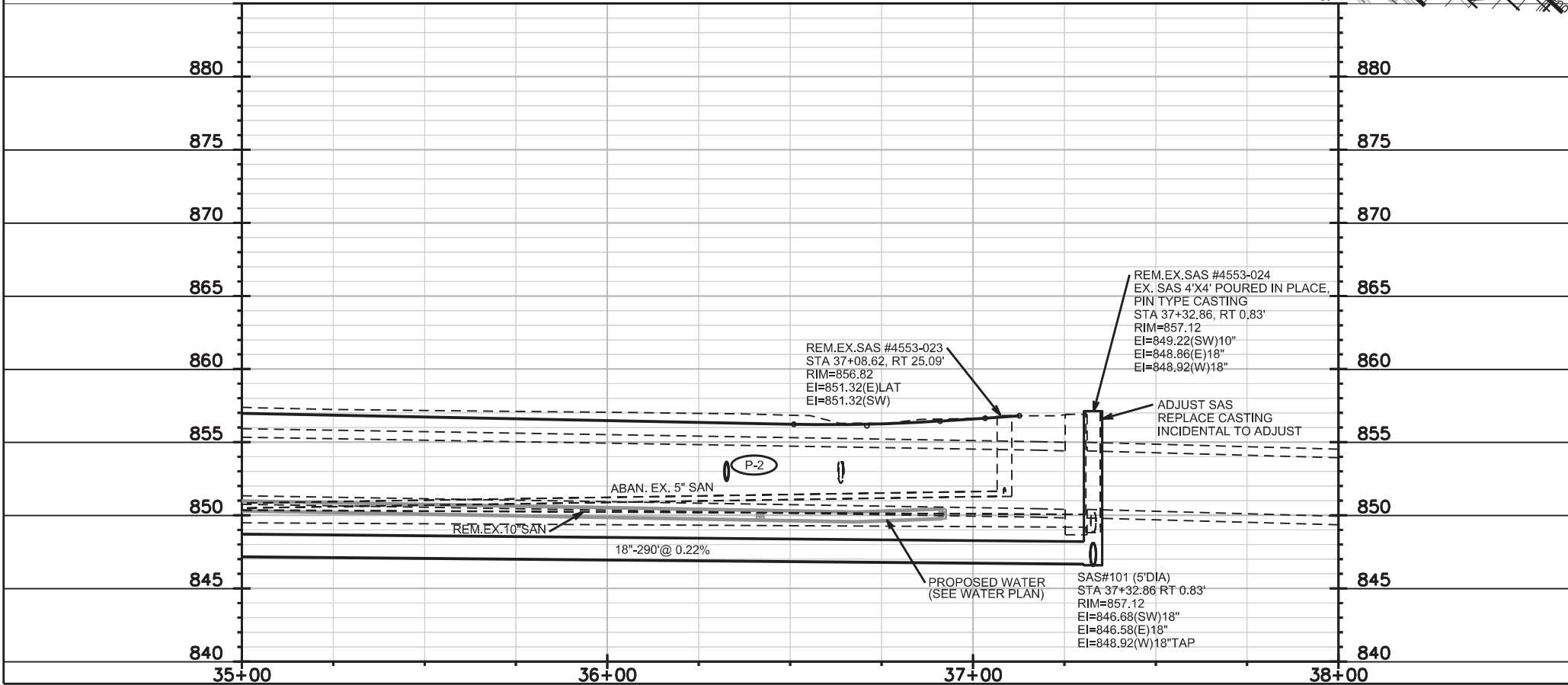
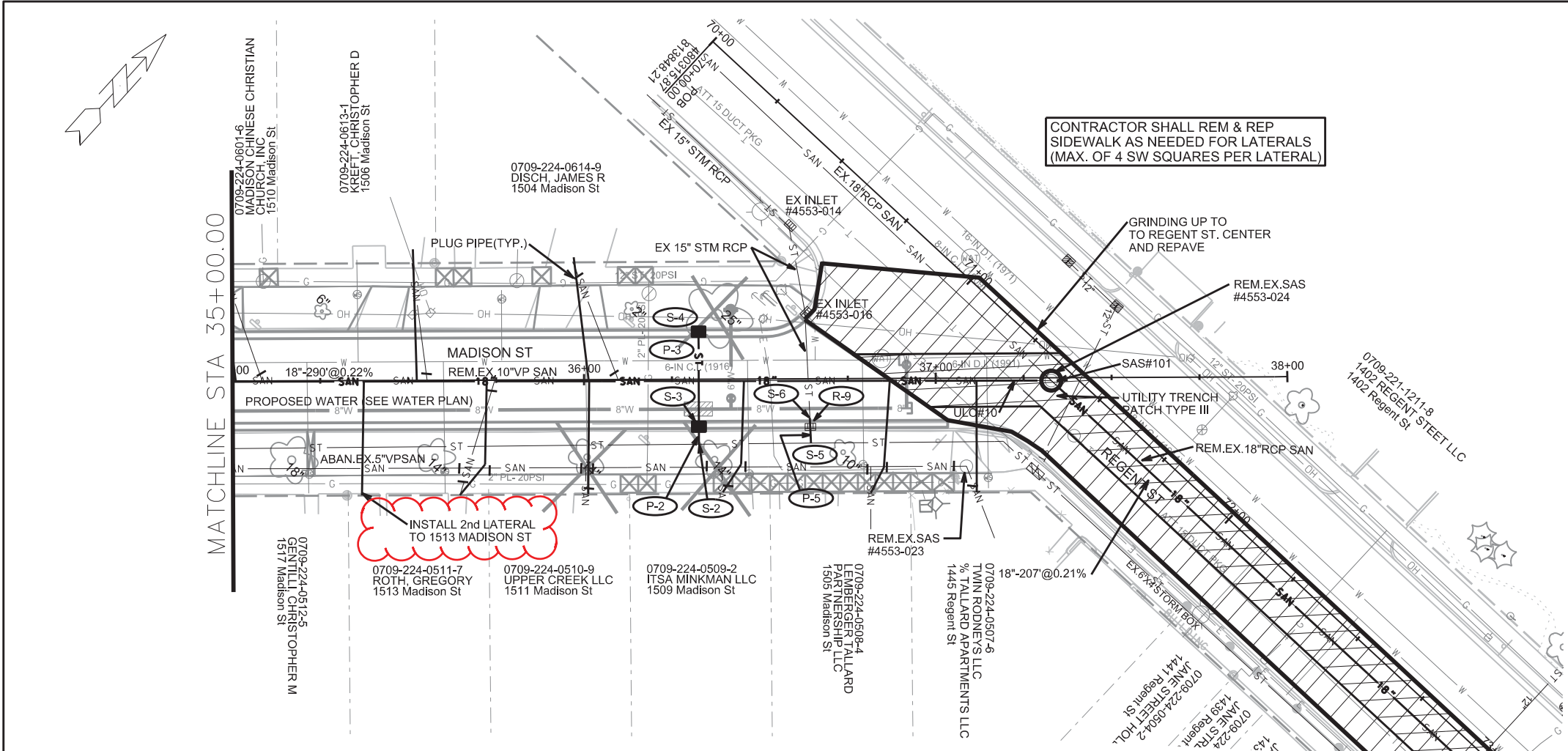
NOTE: SEE STANDARD DETAIL DRAWING 2.09
FOR CONSTRUCTION DETAILS AND MATERIALS

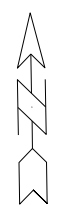
PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



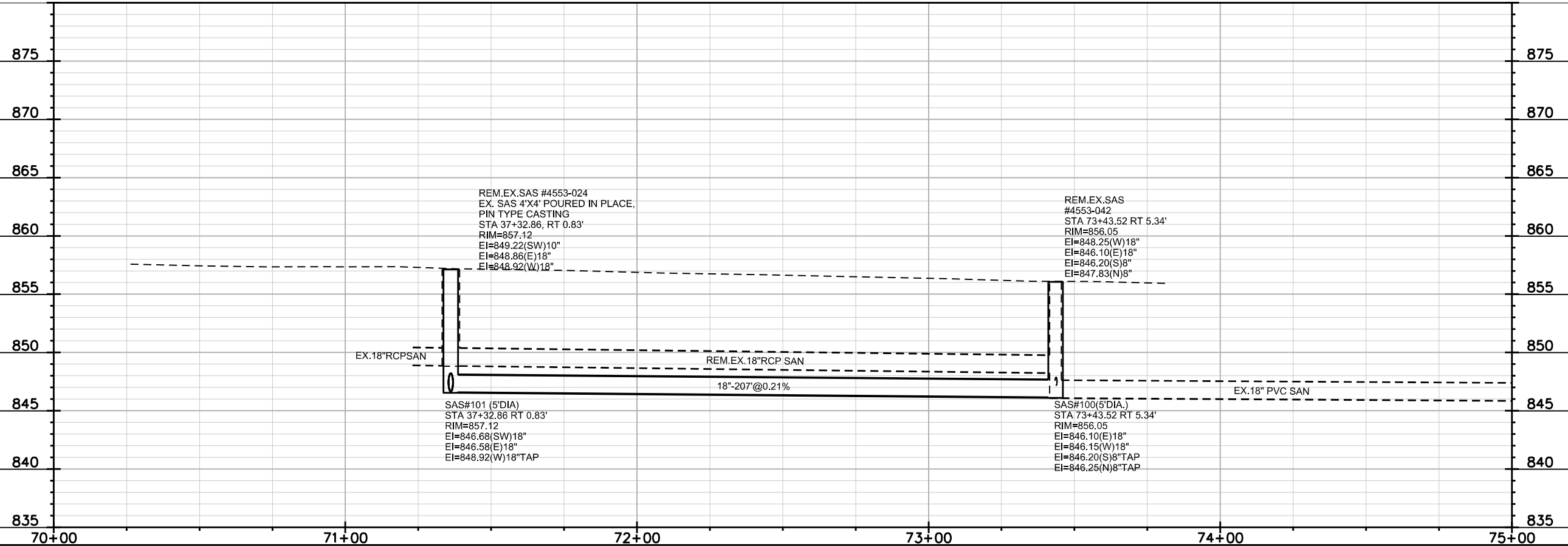
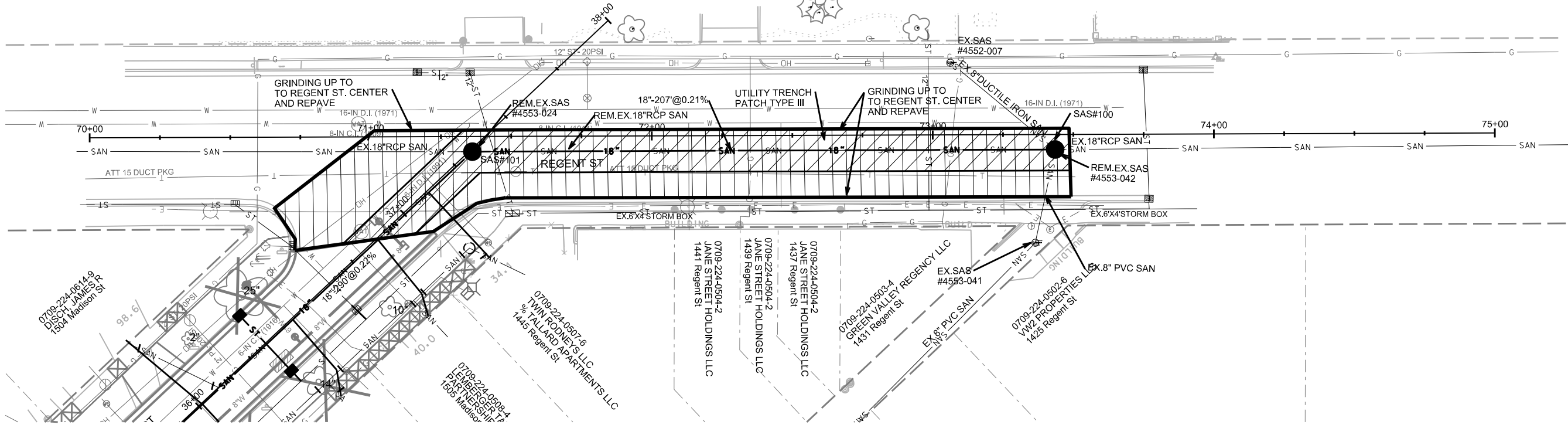
CONTRACTOR SHALL REM & REP SIDEWALK AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL)



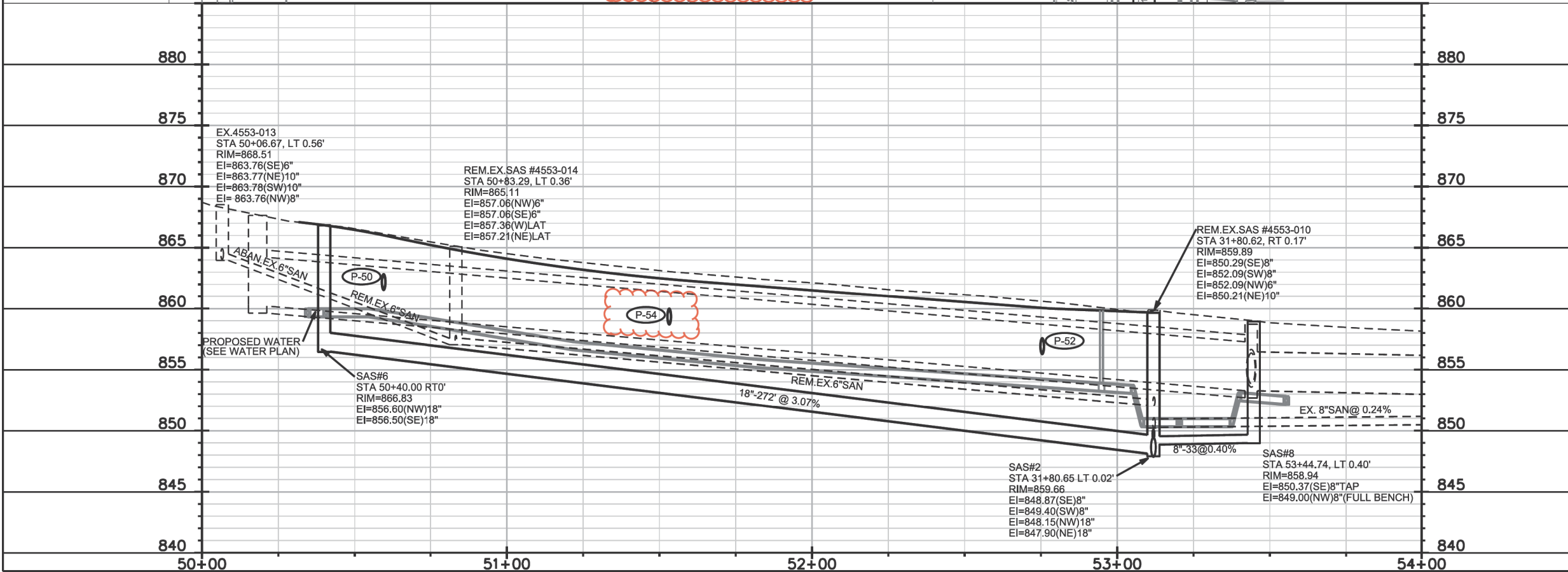
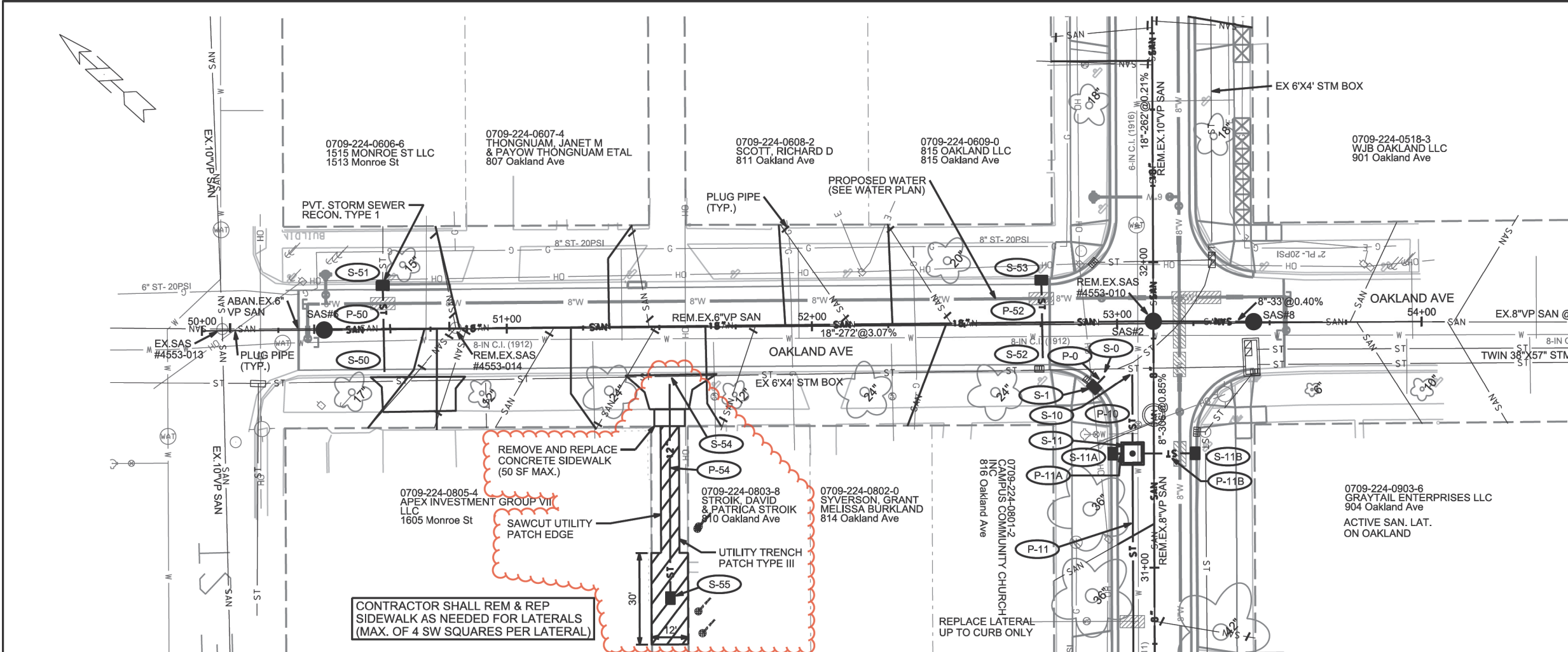




0709-221-1211-8
 1402 REGENT STEET LLC
 1402 Regent St



PLOT SCALE: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

REMOVE AND REPLACE CONCRETE SIDEWALK (50 SF MAX.)
 SAWCUT UTILITY PATCH EDGE
 UTILITY TRENCH PATCH TYPE III

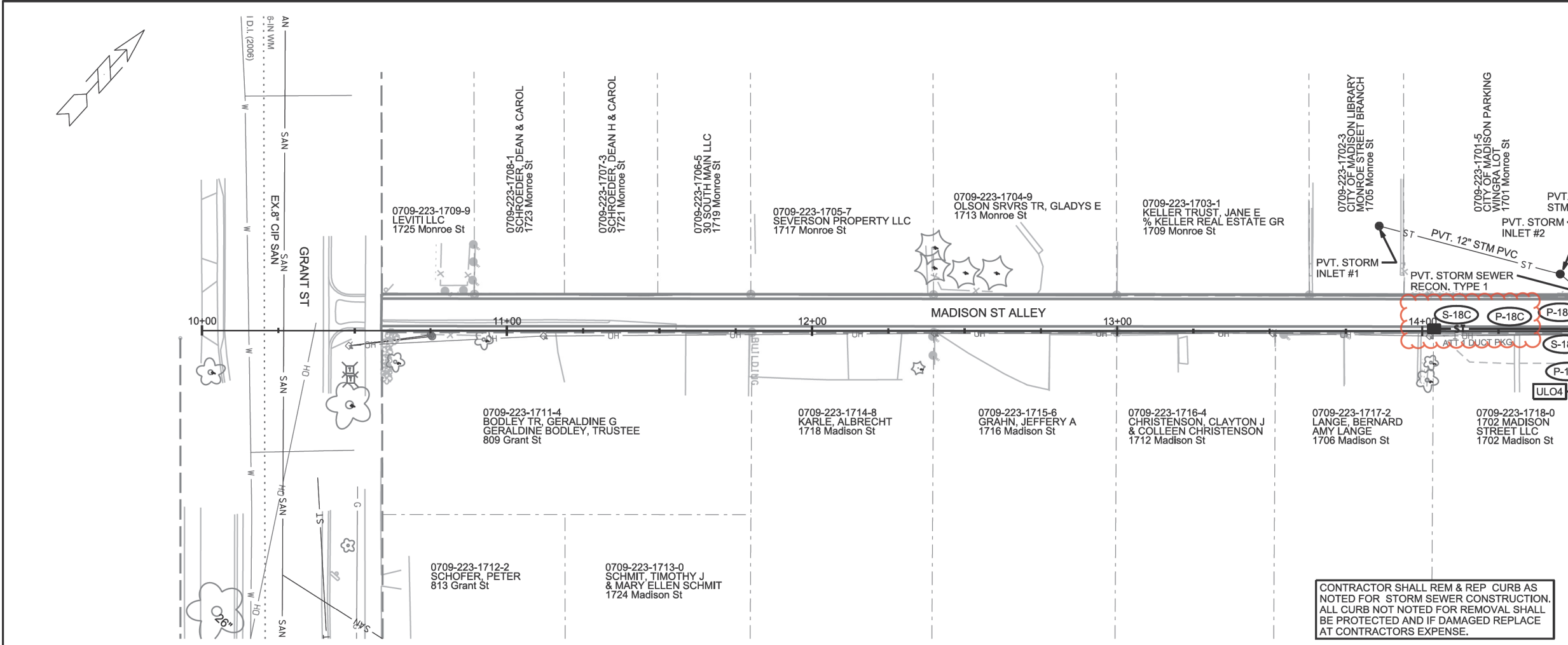
REPLACE LATERAL UP TO CURB ONLY

PLOT SCALE:

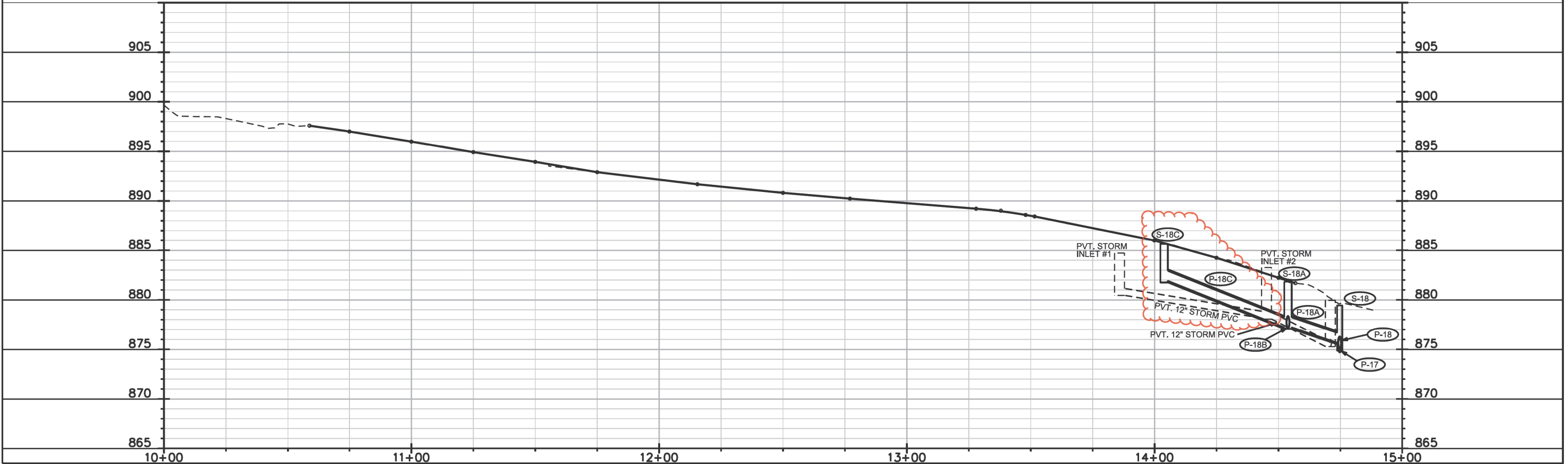
PLOT NAME:

REV. DATE:

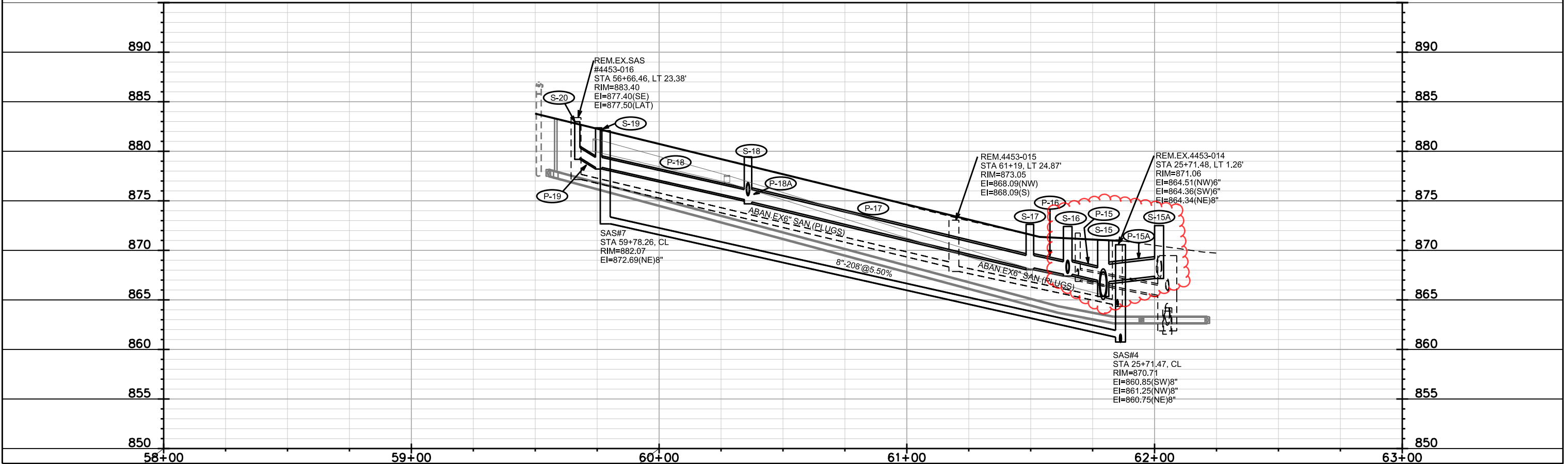
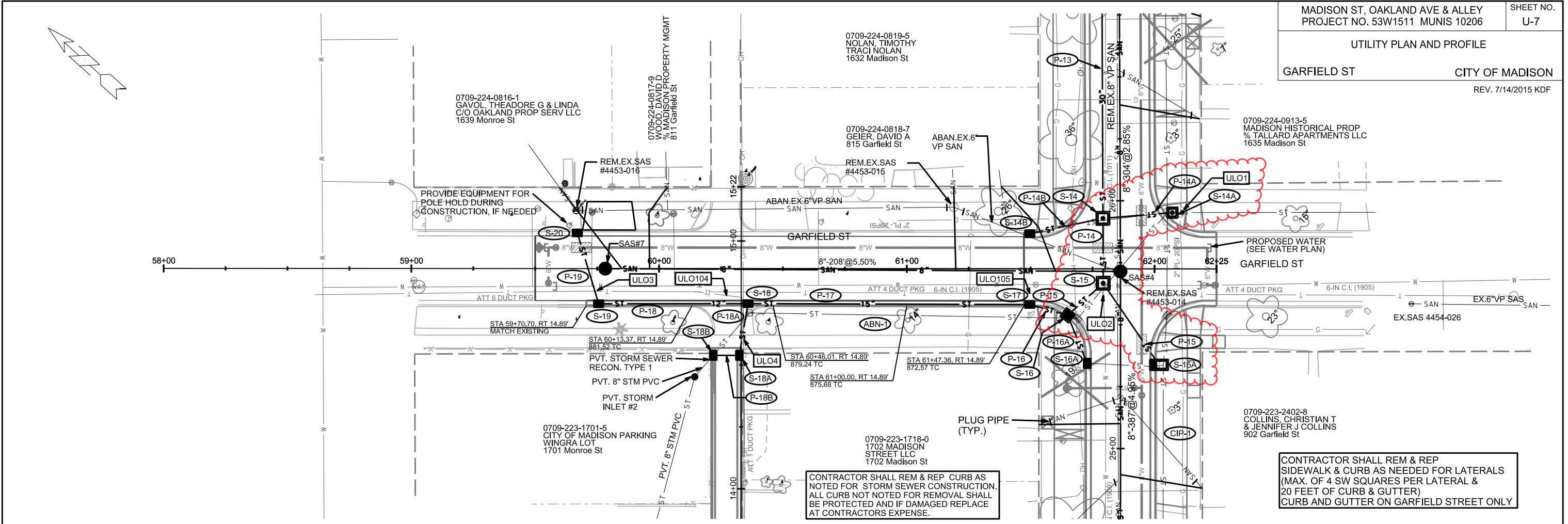
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CONTRACTOR SHALL REM & REP CURB AS NOTED FOR STORM SEWER CONSTRUCTION. ALL CURB NOT NOTED FOR REMOVAL SHALL BE PROTECTED AND IF DAMAGED REPLACE AT CONTRACTORS EXPENSE.



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



SANITARY SCHEDULE

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
REGENT STREET						
+ SAS#100	73+43.52	RT 5.34	856.05	846.10	9.95	5' DIAMETER
+ SAS#101	37+32.86	RT-.83	857.12	846.58	10.54	5' DIAMETER
MADISON STREET						
+ SAS#1	34+42.96	CL	857.26	847.31	9.95	
+ SAS#2	31+80.65	LT-0.02	859.66	847.90	11.76	5' DIAMETER
SAS#3	28+75.00	CL	861.79	852.00	9.79	
SAS#4	25+71.47	CL	870.71	860.75	9.96	
SAS#5	21+84.58	CL	890.63	880.00	10.63	
OAKLAND AVE.						
+ SAS#6	50+40.00	CL	866.83	856.50	10.33	
+ SAS#8	53+44.74	LT-.40	858.94	849.00	9.94	
GARFIELD STREET						
SAS#7	59+78.26	CL	882.07	872.69	9.38	

REMOVE SANITARY STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	EX. RIM (FT)	EI	DEPTH	NOTES
REGENT STREET						
+ 4453-024	37+32.86	RT-0.83	857.12	848.86	8.26	
+ 4453-042	73+43.52	RT-5.34	856.05	846.10	9.95	
MADISON STREET						
4454-024	22+27.42	RT-0.02	888.79	879.89	8.90	
4454-025	23+98.69	LT-0.45	880.08	872.46	7.62	
4453-014	25+71.48	LT-1.26	871.06	864.34	6.72	
4553-007	27+19.78	LT-0.73	866.30	858.50	7.80	
4553-008	27+85.85	LT-0.15	864.66	858.16	6.50	
4553-009	29+80.89	LT-0.17	861.50	854.72	6.78	
4553-010	31+80.62	RT-0.17	859.89	850.21	9.68	
4553-022	34+37.99	RT-24.91	857.80	850.22	7.58	
4553-021	34+42.87	LT-0.36	857.73	849.58	8.15	
4553-023	37+08.62	RT-25.09	856.82	851.32	5.50	
OAKLAND AVE.						
4553-014	50+83.29	LT-0.36	865.11	857.06	8.05	
GARFIELD STREET						
4453-016	59+66.46	LT-23.38	883.40	877.40	6.00	
4453-015	61+19.00	LT-24.87	873.05	868.09	4.96	

ADJUST SANITARY STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	STRUCTURE TYPE/SIZE	EX. ADJ. HEIGHT (FT)	EX. RIM	PROP. RIM	NOTES
4553-024	37+32.86	RT-0.83	EX. 4X4 POURED	0.58	857.12	857.12	ADJUST SAS, REPLACE CASTING INCIDENTAL

SANITARY SEWER ULOs

ULO NUMBER	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO #10	37+21.93	RT-0.79	15 DUCT AT&T	

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PIPE TYPE
REGENT STREET							
+ SAS#100	SAS#101	846.15	846.58	207	0.21%	18"	PVC ASTM F679 PS 46
MADISON STREET							
+ SAS#101	SAS#1	846.68	847.31	290	0.22%	18"	PVC ASTM F679 PS 46
+ SAS#1	SAS#2	847.34	847.90	262	0.21%	18"	PVC ASTM F679 PS 46
+ SAS#2	SAS#3	849.40	852.00	306	0.85%	8"	SDR-35 PVC
SAS#3	SAS#4	848.87	860.75	304	3.91%	8"	SDR-35 PVC
SAS#4	SAS#5	860.85	880.00	387	4.95%	8"	SDR-35 PVC
OAKLAND AVE.							
+ SAS#2	SAS#6	848.15	856.50	272	3.07%	18"	PVC ASTM F679 PS 46
+ SAS#2	SAS#8	848.87	849.00	33	0.39%	8"	SDR-35 PVC
GARFIELD STREET							
SAS#4	SAS#7	861.25	872.69	208	5.50%	8"	SDR-35 PVC

SANITARY PIPES REMOVAL AND ABANDONMENTS

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	OVERALL LENGTH (FT)	PAY LENGTH (FT)	SIZE (DIA) INCH	PIPE TYPE	PAYABLE (Yes/No)	NOTES
REGENT STREET							
+ 4453-042	4453-024	206	0.00	18"	RCP	No	(1)
MADISON STREET							
4553-024	4553-021	290	0	10"	VP	No	(1)
4553-021	4553-022	26	0	6"	VP	No	(1)
4553-022	4553-023	271	-	5"	VP	No	ABANDON WITH PLUGS(NO PAY FOR PLUGS)
4553-021	4553-010	262	0	10"	VP	No	(1)
4553-010	4553-009	200	0	8"	VP	No	(1)
4553-009	4553-008	195	0	8"	VP	No	(1)
4553-008	4553-007	66	0	8"	VP	No	(1)
4553-007	4453-014	148	0	8"	VP	No	(1)
4453-014	4454-025	173	0	6"	VP	No	(1)
4454-025	4454-024	171	0	6"	VP	No	(1)
OAKLAND AVE.							
4553-010	STA 50+65.43 RT 0'	247	0	6"	VP	No	(1)
STA 50+65.43 RT 0'	4553-013	59	-	6"	VP	YES	ABAN. W/ PLUGS PAY FOR ONE PLUG AT 4553-013
4553-010	SAS#8	33	0	8"	VP	No	(1)
GARFIELD STREET							
4453-014	4453-015	71	-	6"	VP	No	ABANDON WITH PLUGS(NO PAY FOR PLUGS)
4453-015	4453-016	152	-	6"	VP	No	ABANDON WITH PLUGS(NO PAY FOR PLUGS)

NOTE: (1) PIPE REMOVAL WITHIN 3' OF PROPOSED SANITARY SEWER MAIN CONSIDERED INCIDENTAL TO NEW SEWER MAIN

STORM SEWER SCHEDULE

*REV. 7/14/2015 KDF

**REV. 9/21/2015 KDF

MADISON ST, OAKLAND AVE & ALLEY
PROJECT NO. 53W1511 MUNIS 10206

SHEET NO.
U-9

STORM SEWER SCHEDULE

MADISON ST

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
MADISON ST							
S-0	31+63.11	LT-15.70	TAP	-	856.61	-	-
S-1	31+59.20	LT-19.50	H INLET	859.65	856.65	3.00	LP, W/R-3067-7004-VB
S-2	36+32.61	RT-16.15	TAP	-	852.25	-	-
S-3	36+32.61	RT-13.50	H INLET	856.43	852.30	4.13	LP, W/R-3067-7004-VB
S-4	36+32.61	LT-13.50	H INLET	856.60	852.70	3.90	W/R-3067-7004-V
S-5	3664.39	RT-16.10	TAP	-	851.75	-	-
S-6	36+64.18	RT-11.12	COLLAR	-	851.90	-	-
S-10	31+63.26	LT-7.00	TAP	-	854.77	-	-
S-11	31+37.41	LT-7.00	6X6 SAS	860.05	854.96	5.09	(1), (2)
S-11A	31+37.41	LT-13.50	H INLET	860.50	856.50	4.00	W/R-3067-7004-V
S-11B	31+37.41	RT-13.50	H INLET	859.92	856.60	3.32	W/R-3067-7004-V
S-12	29+36.39	LT-7.00	4X4 SAS	861.24	856.24	5.00	W/R-1050-0054
S-12A	29+36.39	LT-13.50	H INLET	861.74	857.80	3.94	W/R-3067-7004-V
S-12B	29+23.49	RT-13.50	H INLET	861.07	857.85	3.22	W/R-3067-7004-V
S-13	27+75.50	LT-7.00	4X4 SAS	864.01	858.28	5.73	W/R-1050-0054
S-14	25+92.93	LT-7.00	4X4 SAS	869.96	861.71	8.25	W/R-1050-0054
* S-14A	25+95.14	RT-21.04	3X3 SAS	869.65	861.92	7.73	W/R-1050-0054
* S-15	25+66.75	LT-7.00	4X4 SAS	871.04	865.34	5.70	W/R-1050-0054
* S-15A	25+33.82	RT-15.50	3X6 SAS	872.50	867.39	5.11	W/R-3067-7004-V
S-16	25+53.78	LT-21.39	3X3 SAS	872.41	867.59	4.82	LP, W/R-3067-7004-VB
S-16A	25+34.40	LT-13.50	H INLET	872.93	868.71	4.22	W/R-3067-7004-V
GARFIELD ST							
S-14B	61+49.64	LT-14.21	H INLET	870.95	867.20	3.75	W/R-3067-7004-V
S-17	61+49.67	RT-14.40	H INLET	872.62	868.23	4.39	W/R-3067-7004-V
S-18	60+35.88	RT-14.10	H INLET	879.44	874.88	4.56	W/R-3290-A
S-19	59+75.61	RT-14.17	H INLET	882.36	878.37	3.99	W/R-3067-7004-V
S-20	59+66.98	LT-14.41	H INLET	882.98	879.35	3.63	W/R-3067-7004-V
MADISON ST ALLEY							
S-18A	14+53.85	LT-0.75	H INLET	881.85	877.23	4.62	W/R-3362-L
S-18B	14+53.85	LT-11.25	H INLET	882.03	877.28	4.75	W/R-3362-L
** S-18C	14+03.85	LT-0.75	H INLET	885.64	881.93	3.71	W/R-3362-L
OAKLAND AVE							
S-50	50+59.65	RT-13.85	TAP	-	861.43	-	-
S-51	50+59.27	LT-14.38	H INLET	865.60	861.93	3.67	W/R-3067-7004-V
S-52	52+75.56	RT-10.98	TAP	-	856.21	-	-
S-53	52+75.27	LT-14.52	H INLET	859.95	856.70	3.25	W/R-3067-7004-V
** S-54	51+53.22	RT-18.61	TAP	-	858.85	-	-
** S-55	51+52.96	RT-88.61	H INLET	863.95	860.22	3.73	W/R-1878-B7G

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
MADISON ST										
P-0	S-0	S-1	856.61	856.65	5.5	4.5	0.89%	12"	RCP	-
P-2	S-2	S-3	852.25	852.30	5	2.5	2.00%	12"	RCP	-
P-3	S-3	S-4	852.30	852.70	27	25	1.60%	12"	RCP	-
P-5	S-5	S-6	851.75	851.90	5	5	3.00%	15"	RCP	-
P-10	S-10	S-11	854.77	854.96	26	22.8	0.83%	30"	RCP	-
P-11	S-11	S-12	854.96	856.24	201	196	0.65%	30"	RCP	-
P-11A	S-11	S-11A	856.46	856.50	6.5	2.5	1.60%	12"	RCP	-
P-11B	S-11	S-11B	856.46	856.60	20.5	16.5	0.85%	12"	RCP	-
P-12	S-12	S-13	856.24	858.28	161	156.9	1.30%	30"	RCP	-
P-12A	S-12	S-12A	857.74	857.80	6.5	3.5	1.71%	12"	RCP	-
P-12B	S-12	S-12B	857.74	857.85	24.5	20.7	0.53%	12"	RCP	-
P-13	S-13	S-14	858.28	861.71	182.5	178.6	1.92%	30"	RCP	-
* P-14	S-14	S-15	864.45	865.34	26.5	22.2	4.01%	30"	RCP	-
* P-14A	S-14	S-14A	861.71	861.92	28	24.6	0.85%	18"	RCP	-
P-14B	S-14	S-14B	865.95	867.20	30	26.6	4.70%	12"	RCP	-
* P-15	S-15	S-16	866.98	867.59	19.5	15.1	4.04%	15"	RCP	-
* P-15A	S-15	S-15A	866.84	867.39	40	35.6	1.54%	21"	RCP	-
P-16	S-16	S-17	867.59	868.23	16	12.7	5.04%	15"	RCP	-
P-16A	S-16	S-16A	867.84	868.71	21	17.6	4.94%	12"	RCP	-
GARFIELD ST										
P-17	S-17	S-18	868.23	874.88	114	110.8	6.00%	15"	RCP	-
P-18	S-18	S-19	875.13	878.37	60.5	57.3	5.65%	12"	RCP	-
P-19	S-19	S-20	878.37	879.35	30	27.8	3.53%	12"	RCP	-
MADISON ST ALLEY										
P-18A	S-18	S-18A	875.68	877.23	21	18.6	8.33%	12"	RCP	-
P-18B	S-18A	S-18B	877.23	877.28	10.5	8.5	0.59%	12"	RCP	-
** P-18C	S-18A	S-18C	877.23	881.93	50	47	10.00%	12"	RCP	-
OAKLAND AVE										
P-50	S-50	S-51	861.43	861.93	28.5	27.2	1.84%	12"	RCP	-
P-52	S-52	S-53	856.21	856.70	25.5	24.5	2.00%	12"	RCP	-
** P-54	S-54	S-55	858.85	860.22	70	68.5	2.00%	12"	RCP	-

PROPOSED CIPP STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	NOTES
CIP-1	S-15A	AS #4454-009	400	21	VP	-

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 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) W/ 3' SUMP BELOW LISTED E.I. PER S.D.D 5.7.4
- (2) TWO CASTINGS, TWO R-1050-0054 PER S.D.D. 5.7.4

STORM SEWER SCHEDULE

*REV. 7/14/2015 KDF

MADISON ST, OAKLAND AVE & ALLEY PROJECT NO. 53W1511 MUNIS 10206	SHEET NO. U-10
STORM SEWER SCHEDULE	
MADISON ST	CITY OF MADISON

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
MADISON ST					
R-1	AS 4453-041	25+95.15	RT-19.00	CATCHBASIN	-
R-2	IN 4453-042	25+53.75	RT-18.60	INLET	-
R-2A	EX AS 1	25+33.75	RT-17.25	SAS & INLET	-
R-2B	EX IN 1	23+34.40	LT-13.55	INLET	-
R-3	IN 4453-043	25+52.45	LT-17.35	INLET	-
R-4	IN 4453-044	25+90.70	LT-19.50	INLET	-
R-5	AS 4553-031	31+63.95	RT-33.25	TUB INLET	(1)
R-6	AS 4553-032	31+44.40	RT-16.90	SAS & INLET	-
R-7	AS 4553-030	31+61.25	LT-21.60	TUB INLET	(6)
R-8	IN 4553-034	32+00.00	LT-19.70	INLET	-
R-9	IN 4553-015	36+64.30	RT-13.70	INLET	(2)
MADISON ST ALLEY					
R-10	PVT. AS	14+71.00	RT-3.50	SAS	-

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
MADISON ST							
RP-1	R-1	R-2	37	21"	VP	Y	-
RP-2	R-2	R-2A	17	21"	VP	Y	-
RP-2A	R-2A	R-2B	28	12"	VP	Y	-
RP-3	R-1	R-3	50	12"	VP	Y	-
RP-4	R-1	R-4	35	12"	VP	Y	-
RP-5	R-5	R-6	22	30"	VP	Y	-
RP-6	ADJ-2	R-8	34	12"	VP	Y	-
MADISON ST ALLEY							
RP-7	R10	S-20	18	8"	PVC	Y	-

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
MADISON ST						
ADJ-1	31+71.75	RT-31.00	858.72	858.73	0.01	(3)
ADJ-2	32+00.70	RT-19.25	858.81	858.66	-0.15	(3)
ADJ-3	34+72.25	RT-19.30	857.56	857.40	-0.16	(3)

STORM SEWER ABANDONMENTS

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	NOTES
MADISON ST						
ABN-1	R-3	R-10	125	8"	PVC	(4)
ABN-2	R-6	R-1	545	30"X20"	RCP BOX	(5)

STORM SEWER ULOs

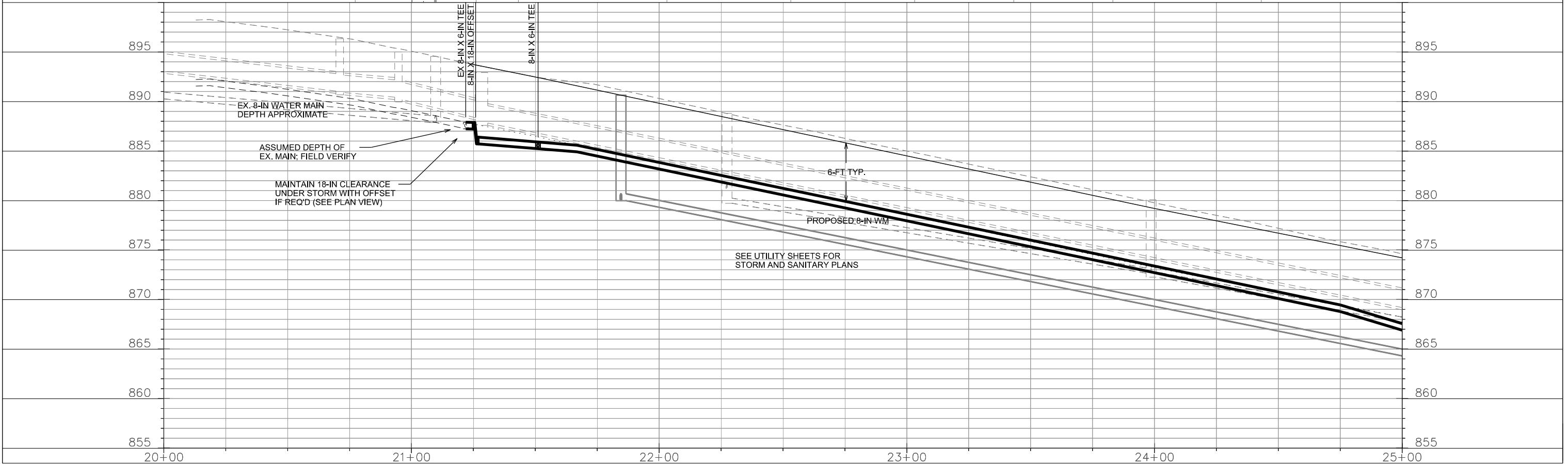
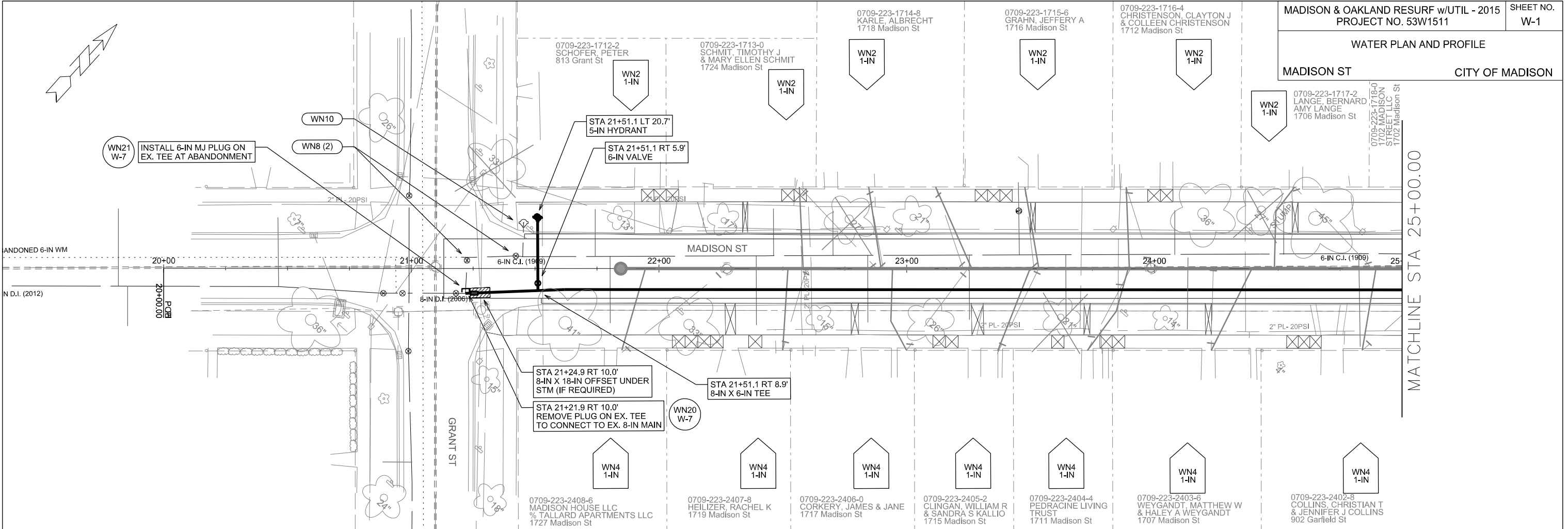
ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
MADISON ST					
* ULO1	25+94.45	RT-24.25	GAS	866.60	2" PLASTIC, CONFLICT (STORM REVISED)
* ULO2	25+61.70	LT-8.25	ATT DUCT	866.48	BTM=865.48, CONFLICT (STORM REVISED)
* ULO101	27+30.45	LT-7.70	ELECTRIC	863.59	4" PLASTIC, NO CONFLICT
* ULO102	29+11.60	LT-7.10	ELECTRIC	858.23	(7), 2" PLASTIC, CONFLICT
* ULO103	29+11.25	LT-20.95	ELECTRIC	859.49	1" PLASTIC, 1.66' OF COVER
GARFIELD ST					
* ULO3	59+74.00	RT-11.95	ATT DUCT	881.26	BTM=879.96, NO CONFLICT
* ULO104	60+27.40	RT-11.55	ATT DUCT	877.58	BTM=876.54, NO CONFLICT
* ULO105	61+49.60	RT-12.10	ATT DUCT	868.16	BTM=867.43, NO CONFLICT
MADISON ST ALLEY					
* ULO4	14+62.05	RT-0.60	ATT DUCT	-	DID NOT FIND

SPECIFIC NOTES

- (1) TUB INLET TO BE REMOVED OR CAPPED, PAID UNDER BID ITEM 90031
- (2) REMOVE INLET AND EXTEND PIPE TO BOX TO TAP AT EXISTING PIPE ELEVATION
- (3) ADJUST CASTING BY RECONSTRUCT CATCHBASIN TO SAS CASTING, PAID UNDER BID ITEM 90032
- (4) PIPE PLUGS ARE INCIDENTAL TO PIPE ABANDONMENT (LESS THAN 10" IN DIAMETER)
- (5) PIPE ABANDONMENT SHALL BE PAID FOR UNDER BID ITEM 90033-ABANDON STORM SEWER BOX
- (6) PLUGGING OF PIPE INCIDENTAL TO STRUCTURE REMOVAL
- * (7) CONTACT JEFF STAIFEL OF MGE AT (608) 235-0246 TO COORDINATE THE RELOCATION OF ELECTRIC SERVICE

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 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.



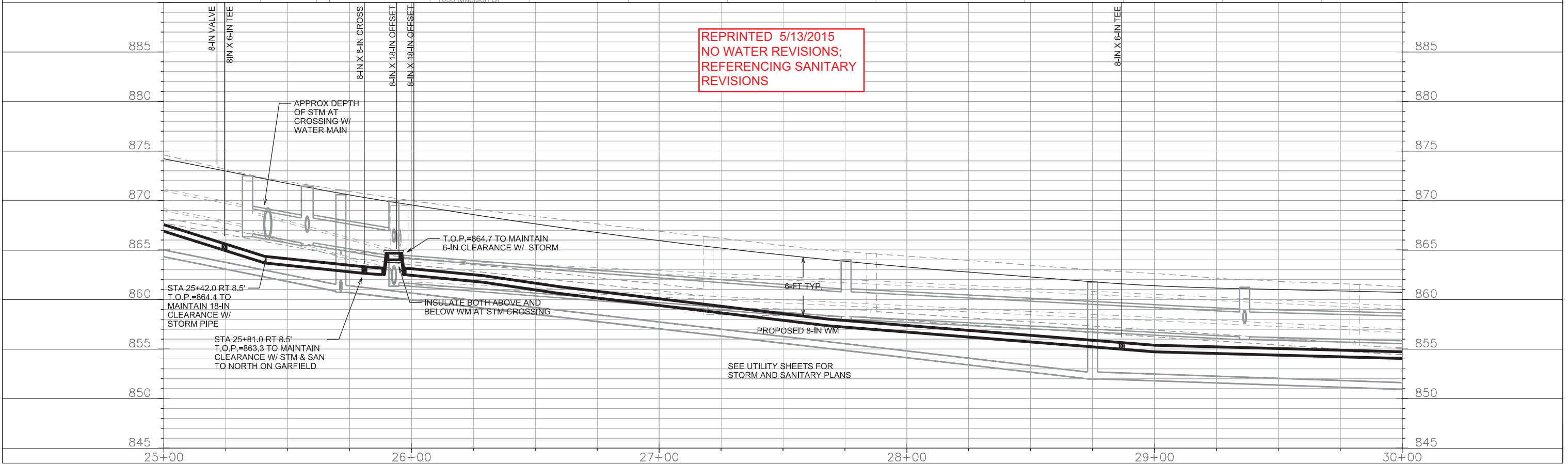
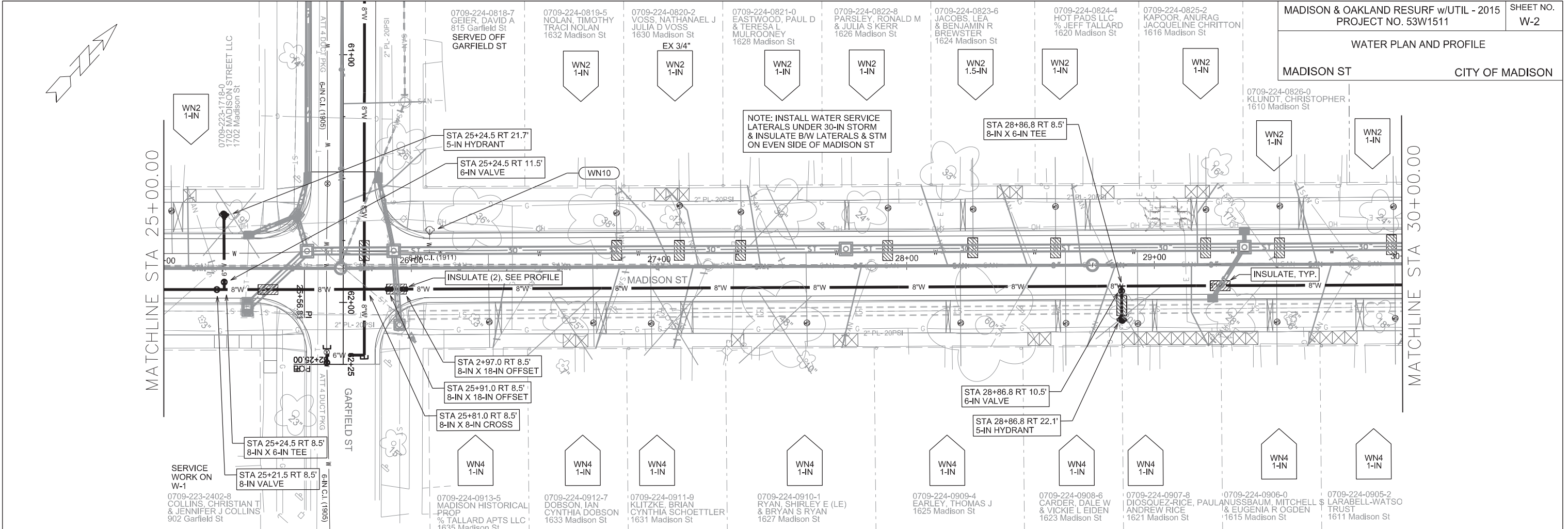
MATCHLINE STA 25+00.00

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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

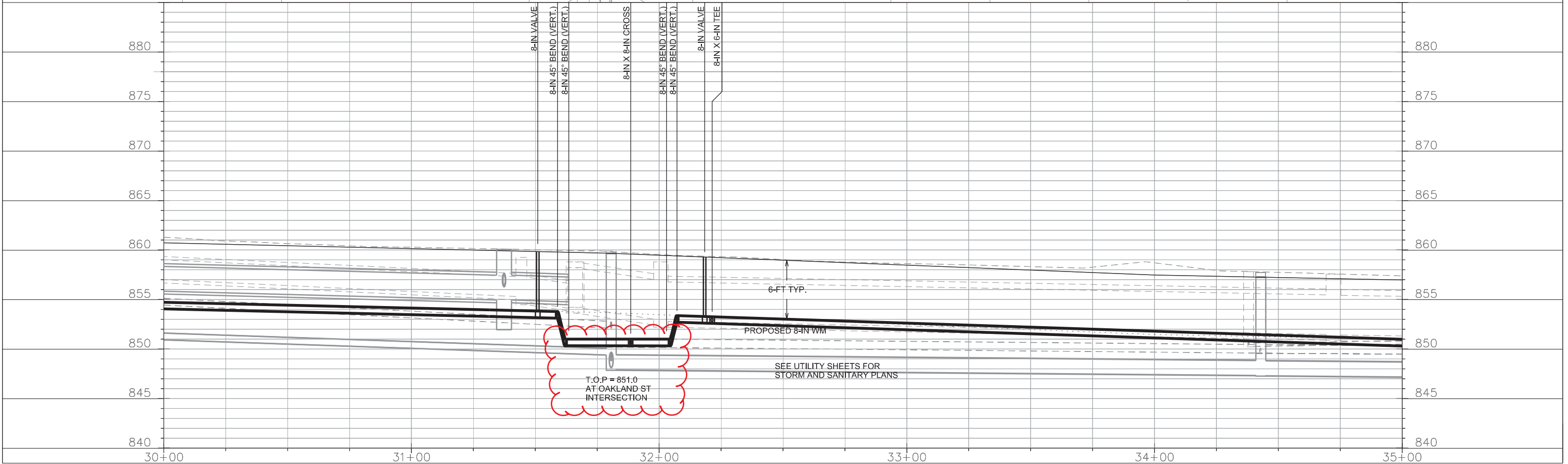
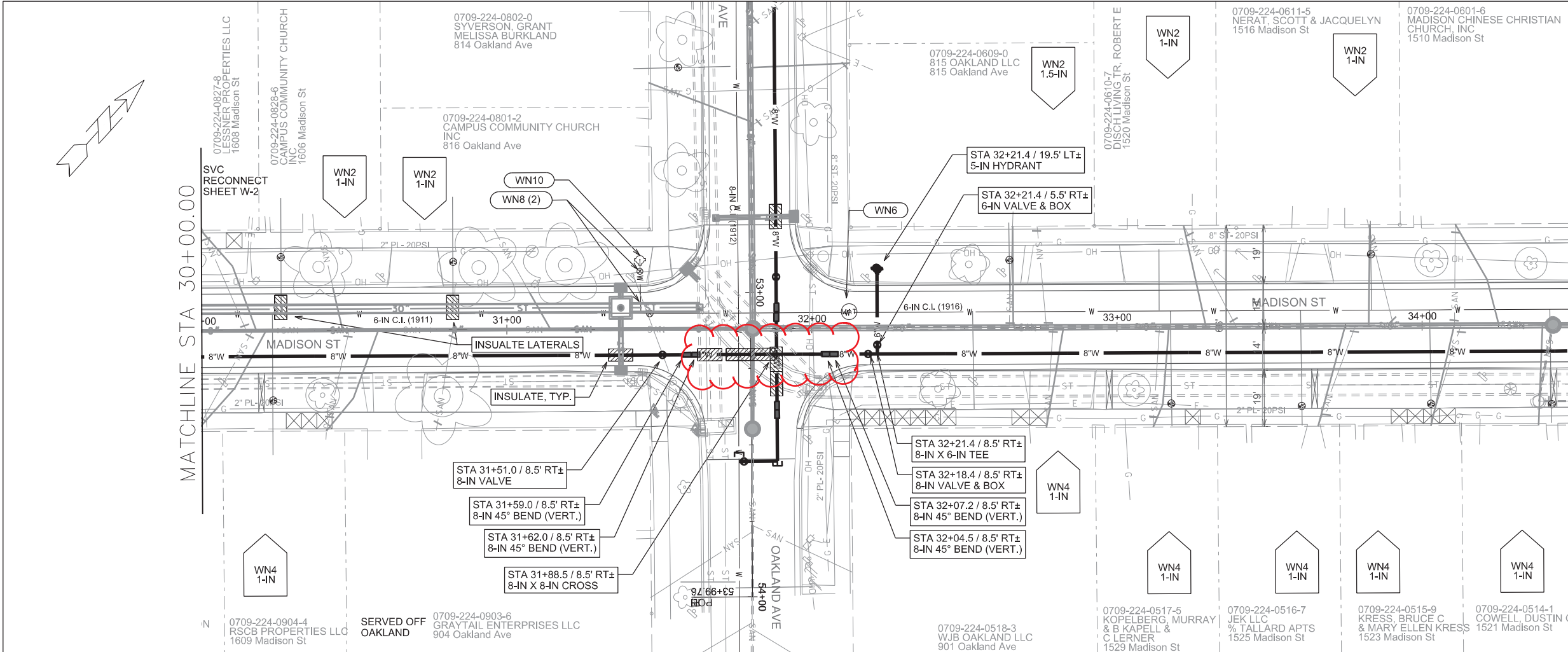


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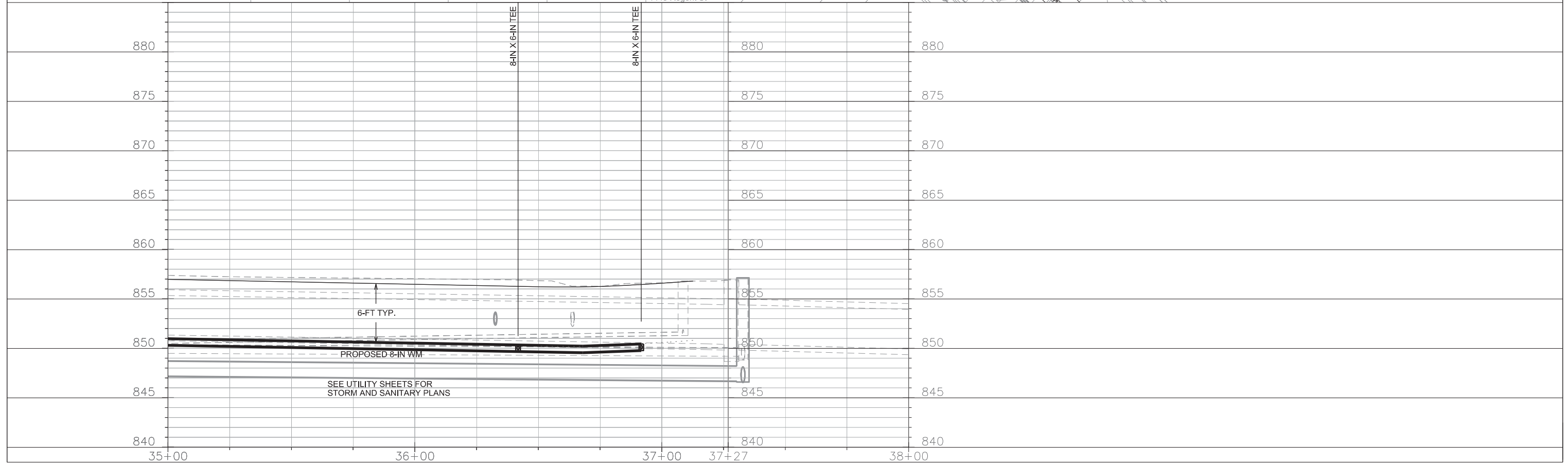
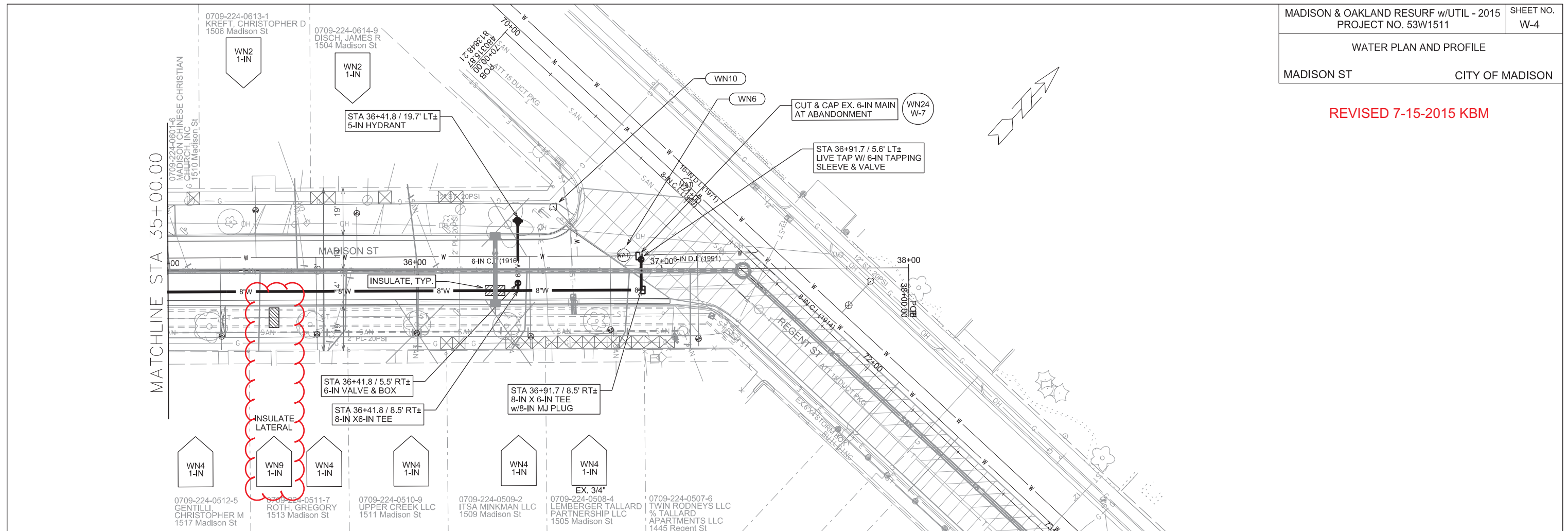
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REVISED 7-15-2015 KBM



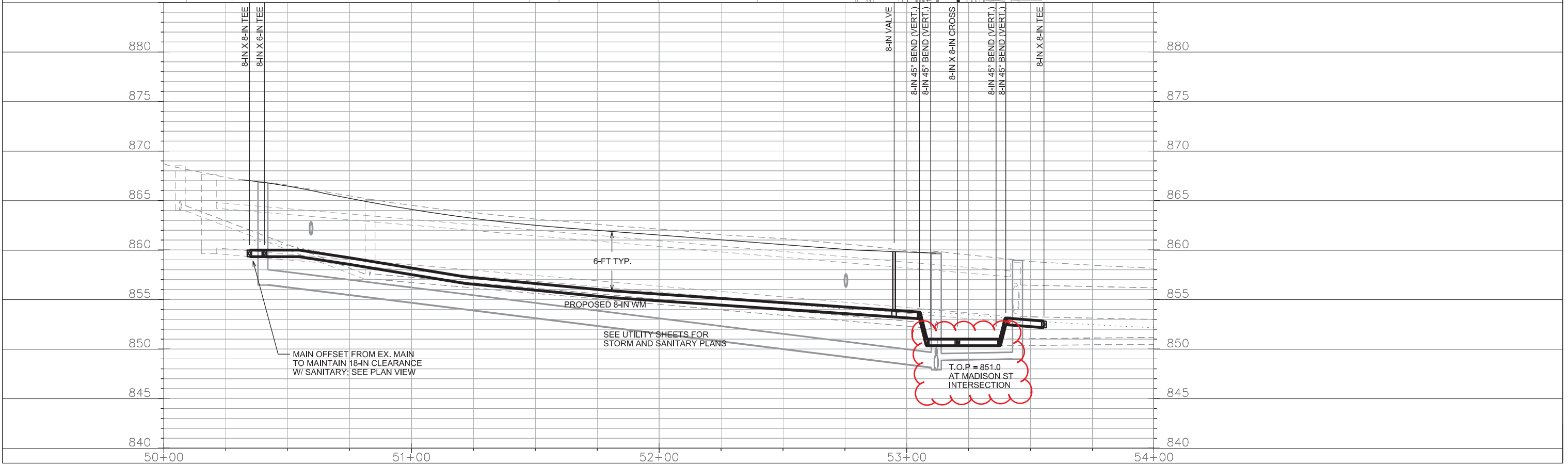
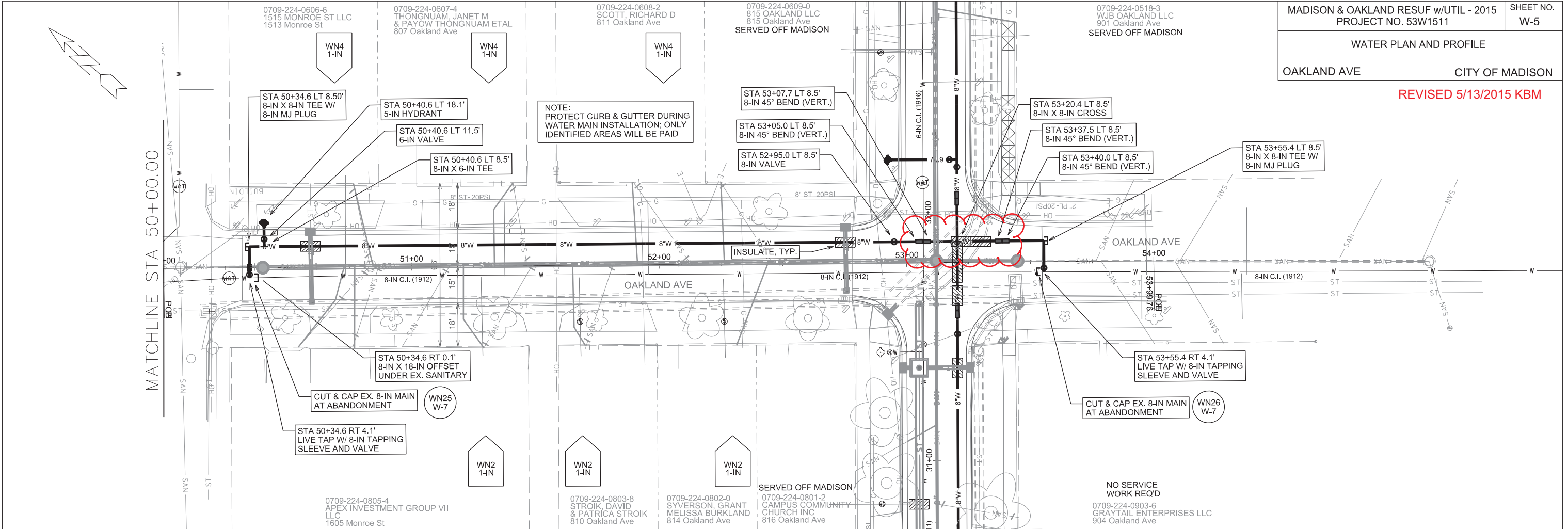
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REVISED 5/13/2015 KBM

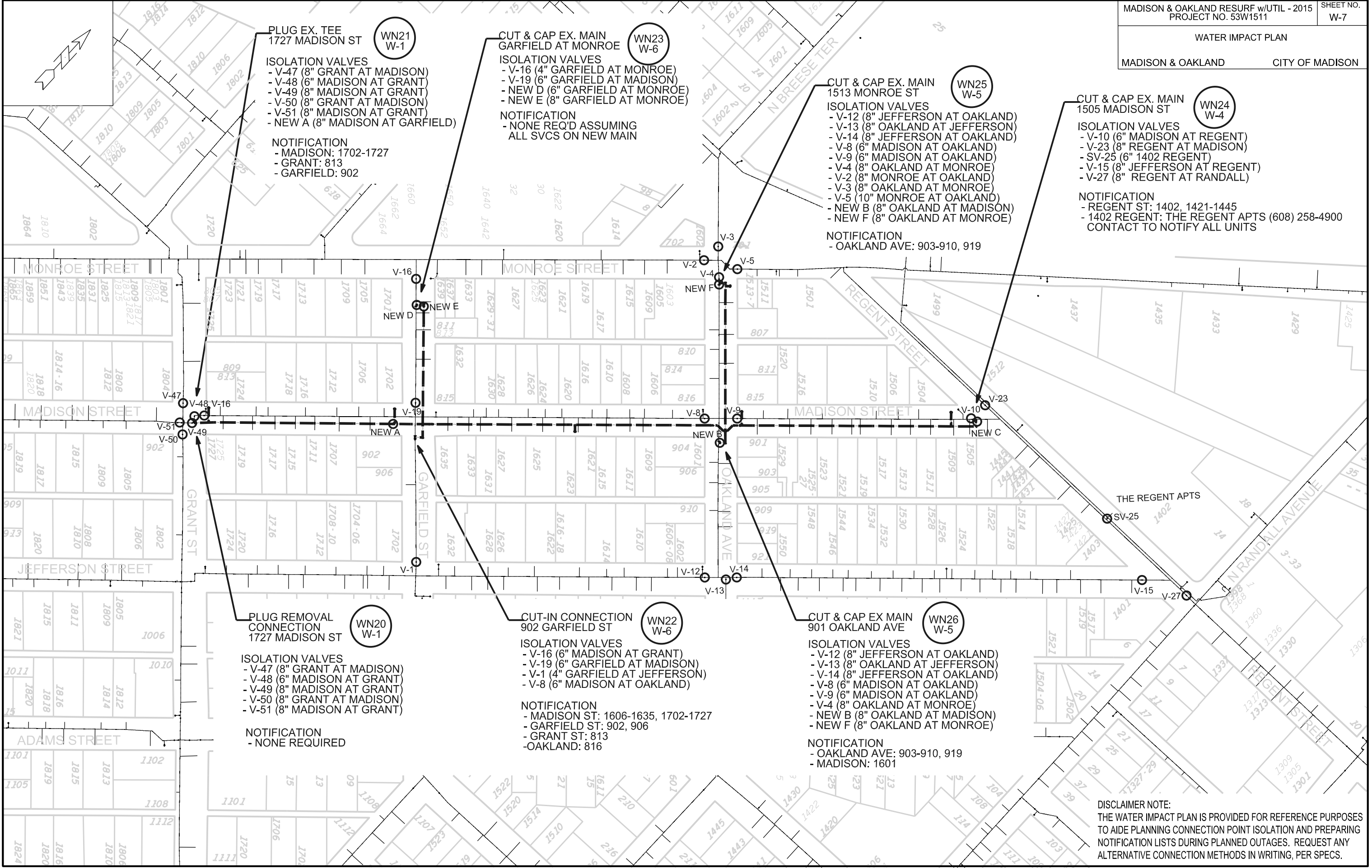


PLOT SCALE:

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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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.

PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, WATER UTILITY.

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. 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 TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW 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
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- | | |
|------------------------------------|--|
| 200-FT - 6-IN PIPE | 1 - 6-IN MJ PLUG |
| 2200-FT - 8-IN PIPE | 3 - 6-IN MJ CAP |
| 2760-FT - POLYWRAP | 5 - 8-IN MJ PLUG |
| 7 - 6-IN VALVE & BOX | 2 - 8-IN MJ CAP |
| 5 - 8-IN VALVE & BOX | 6 - HYDRANT |
| 1 - 6-IN 90° BEND | 180 240 -FT - 2-IN STYROFOAM INSULATION |
| 8 - 8-IN 45° BEND | 1-IN COPPER SERVICE PIPING (AS REQUIRED) |
| 9 - 8-IN X 6-IN TEE | 1½-IN COPPER SERVICE PIPING (AS REQUIRED) |
| 2 - 8-IN X 8-IN TEE | 2-IN COPPER SERVICE PIPING (AS REQUIRED) |
| 2 - 8-IN X 8-IN CROSS | |
| 1 - 6-IN X 18-IN OFFSET | |
| 1 - 8-IN X 12-IN OFFSET | |
| 4 - 8-IN X 18-IN OFFSET | |

ESTIMATE OF MATERIALS SALVAGED:

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

- 4 - HYDRANT

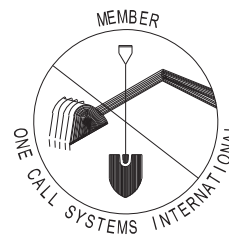
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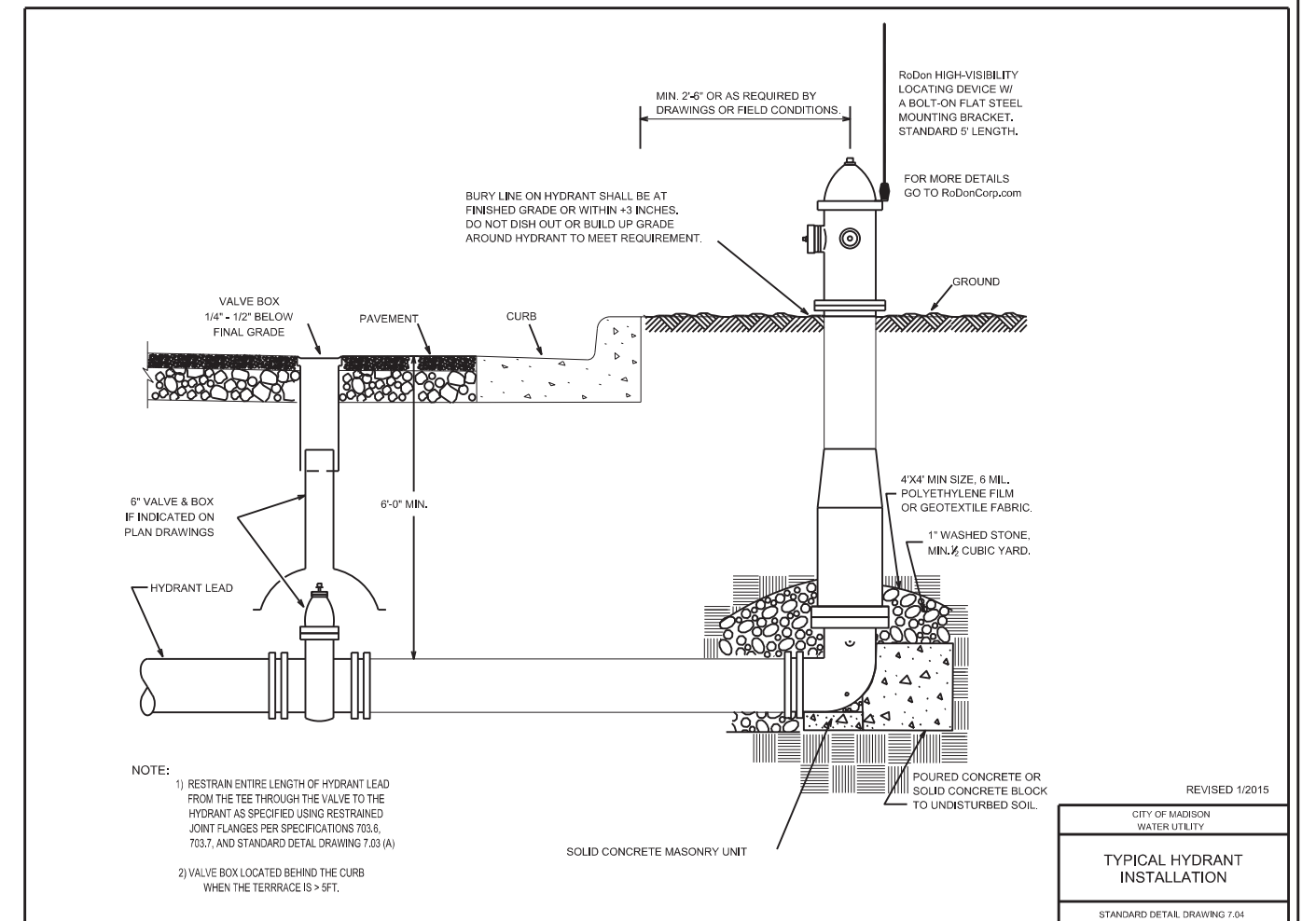
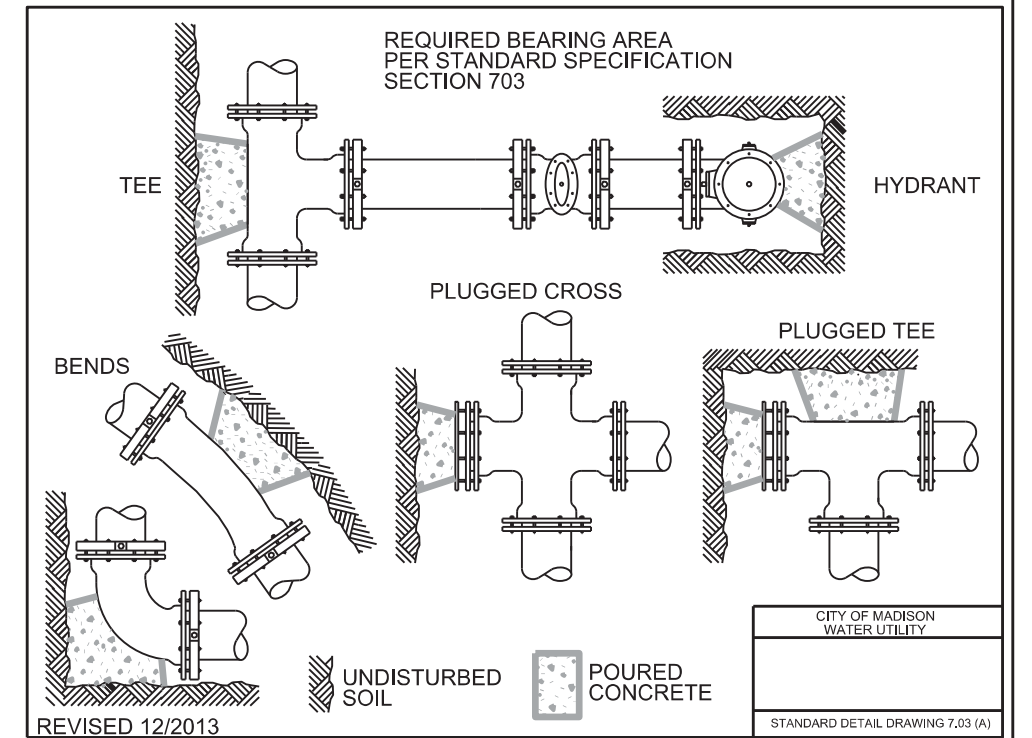
- 2 - 8-IN TAPPING VALVE AND SLEEVE
- 2 - 6-IN TAPPING VALVE AND SLEEVE

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

CROSS SECTIONS

MADISON STREET

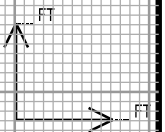
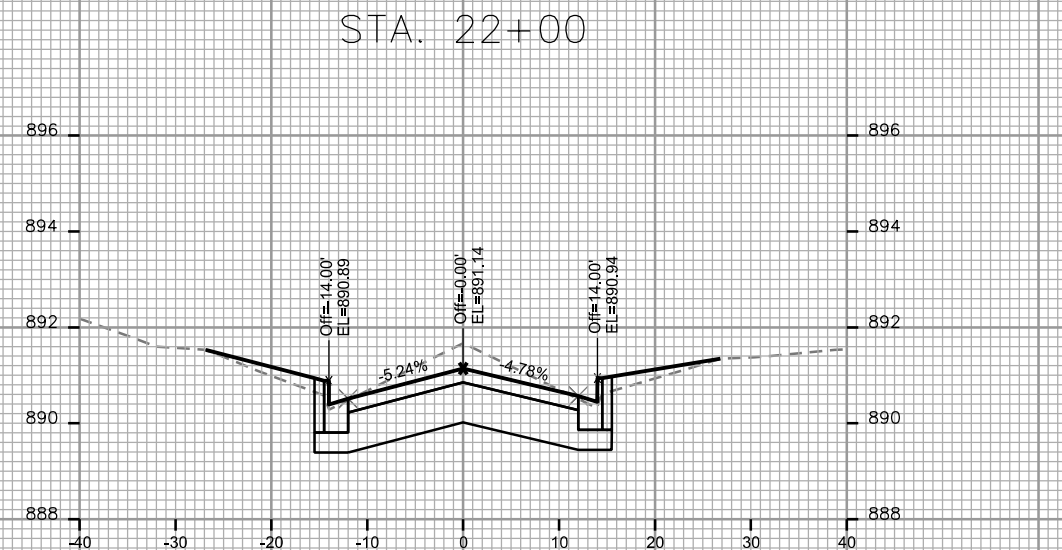
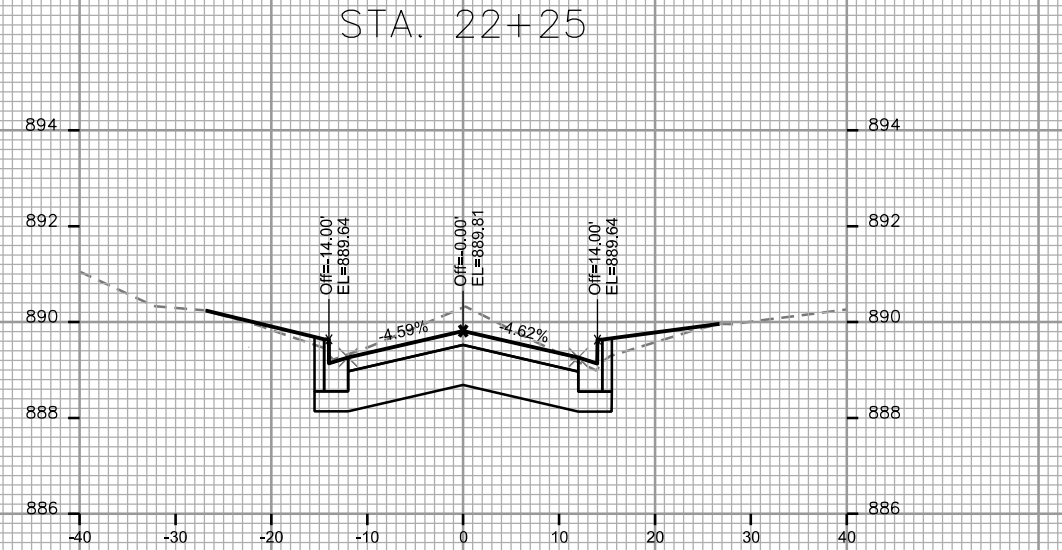
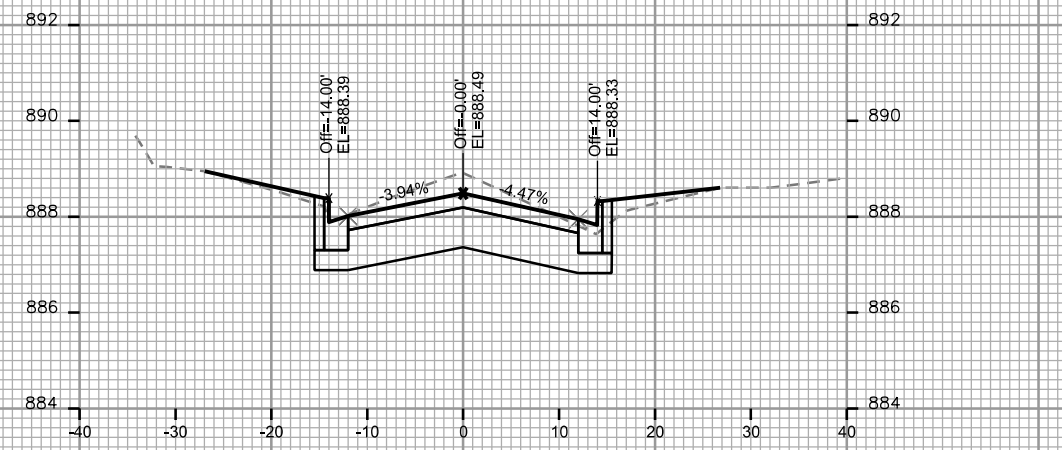
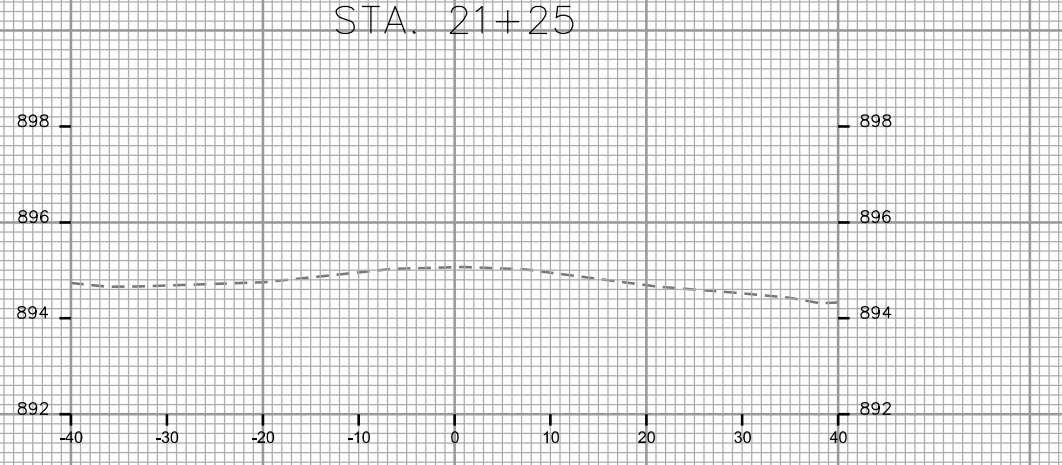
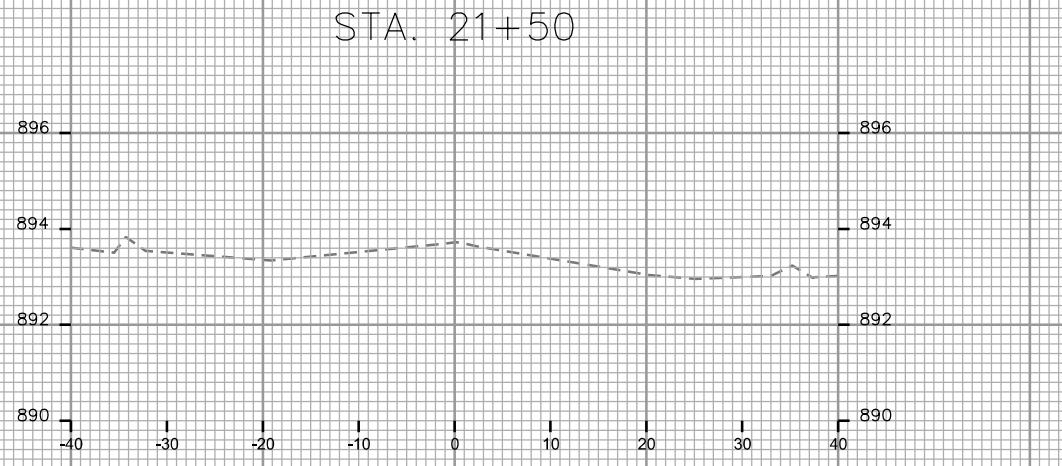
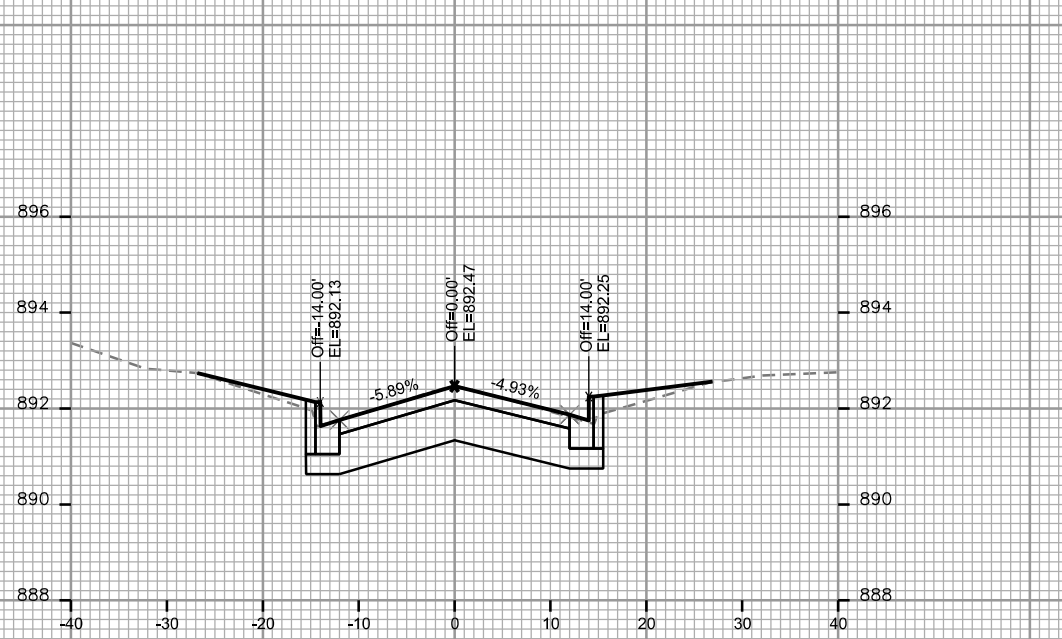
CITY OF MADISON

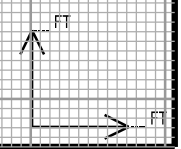
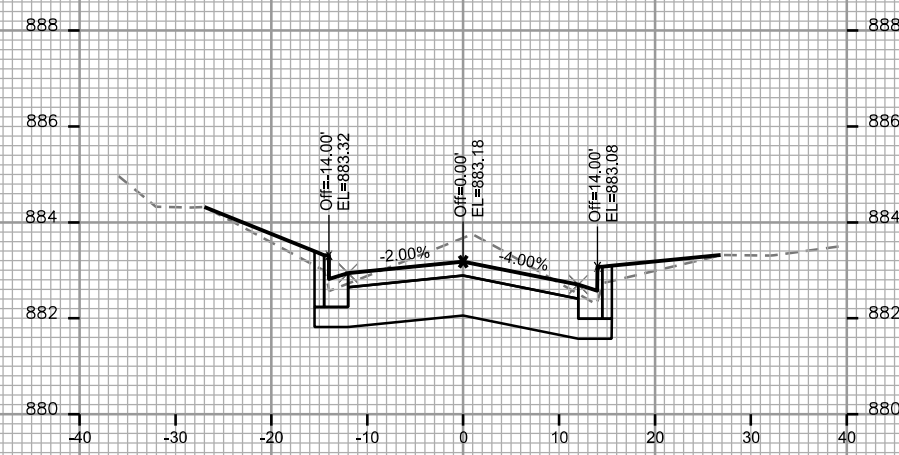
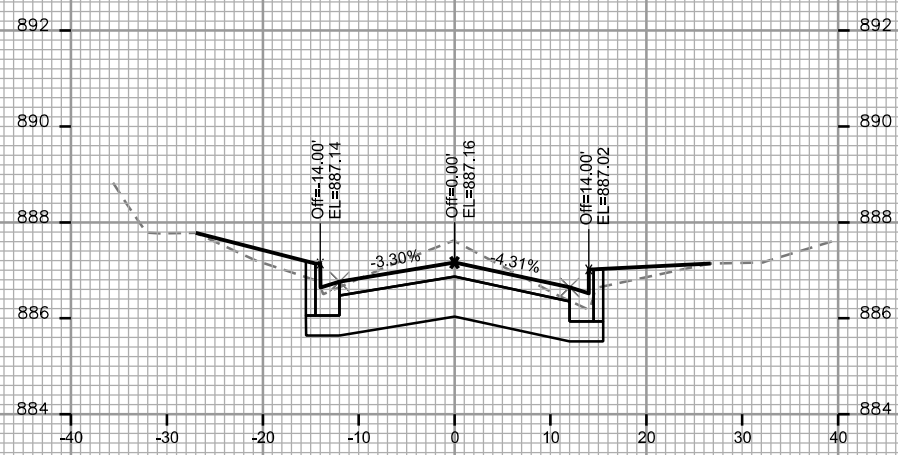
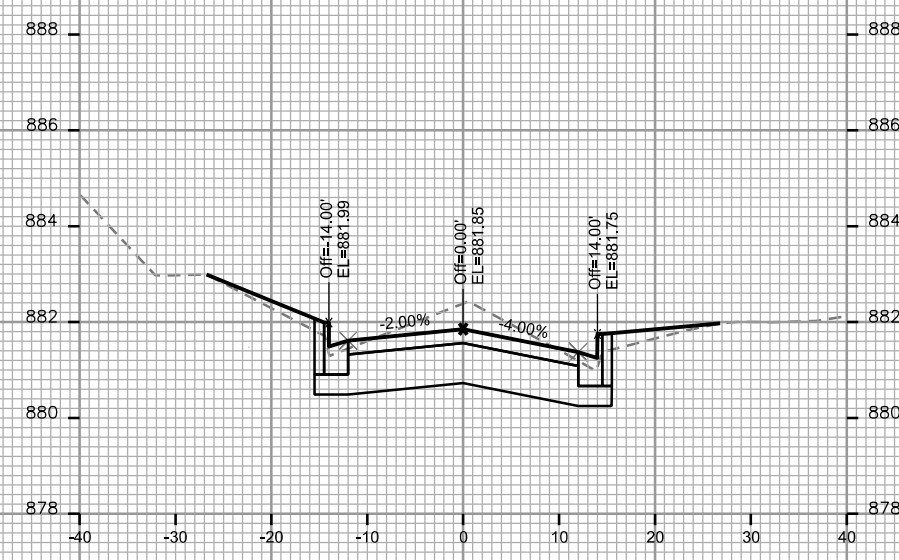
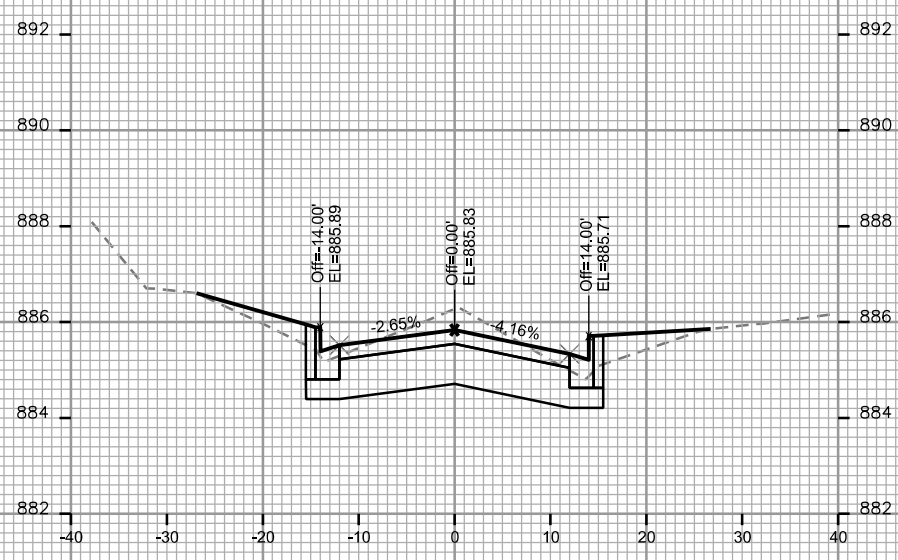
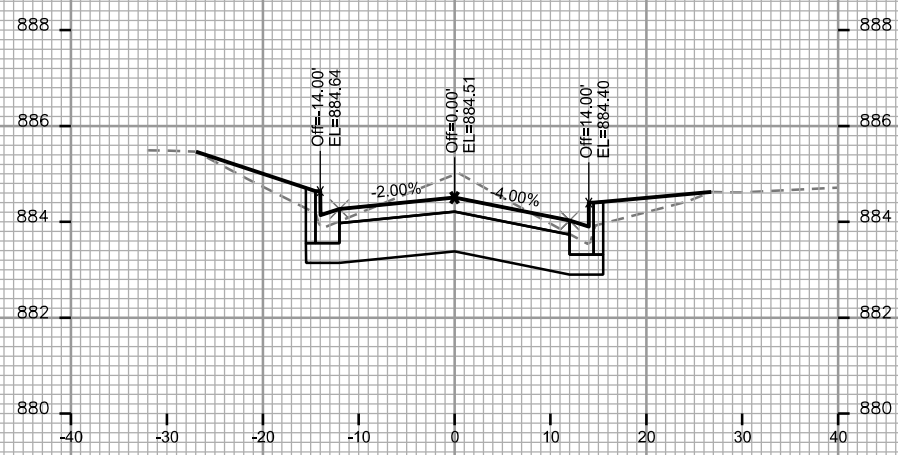
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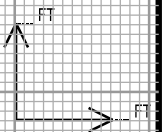
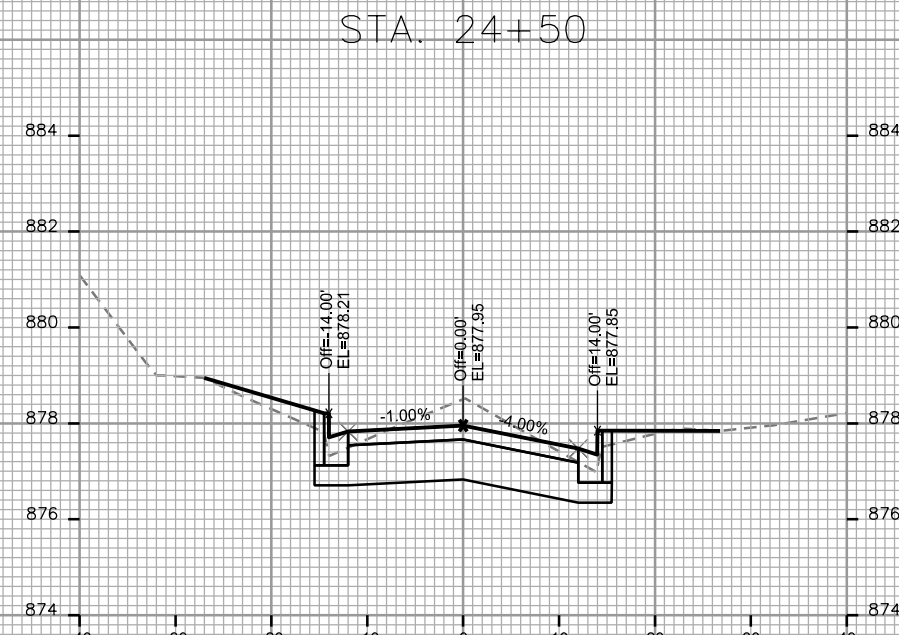
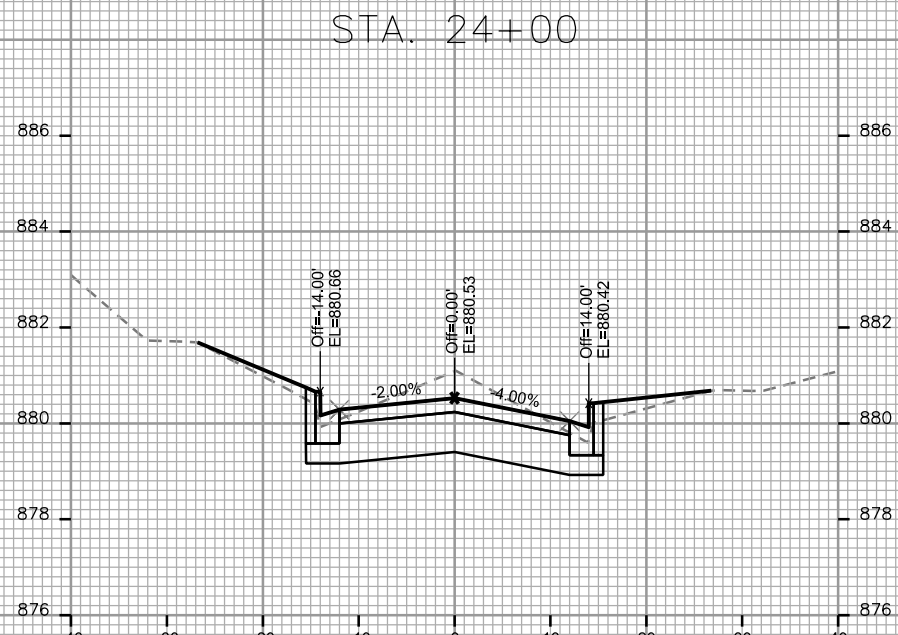
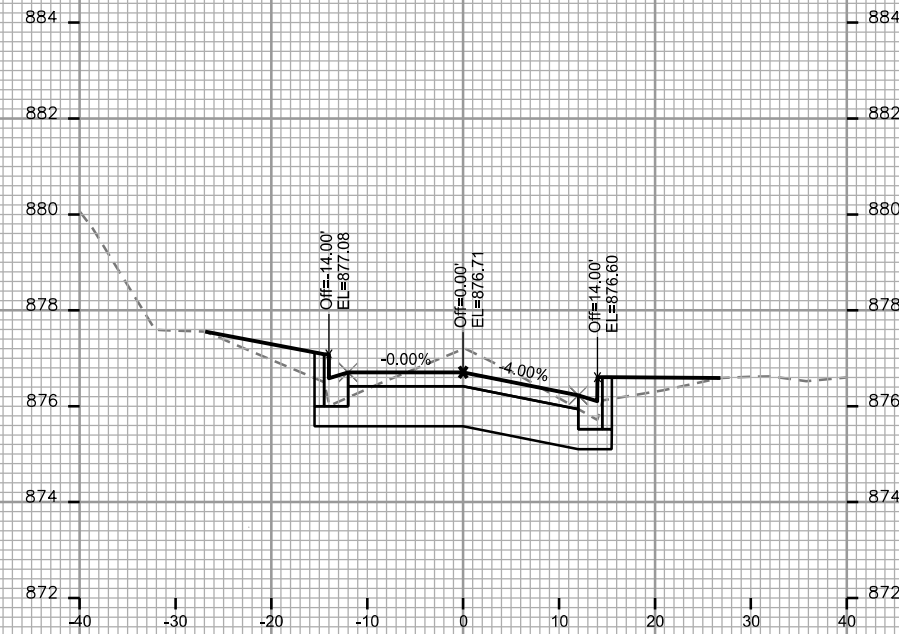
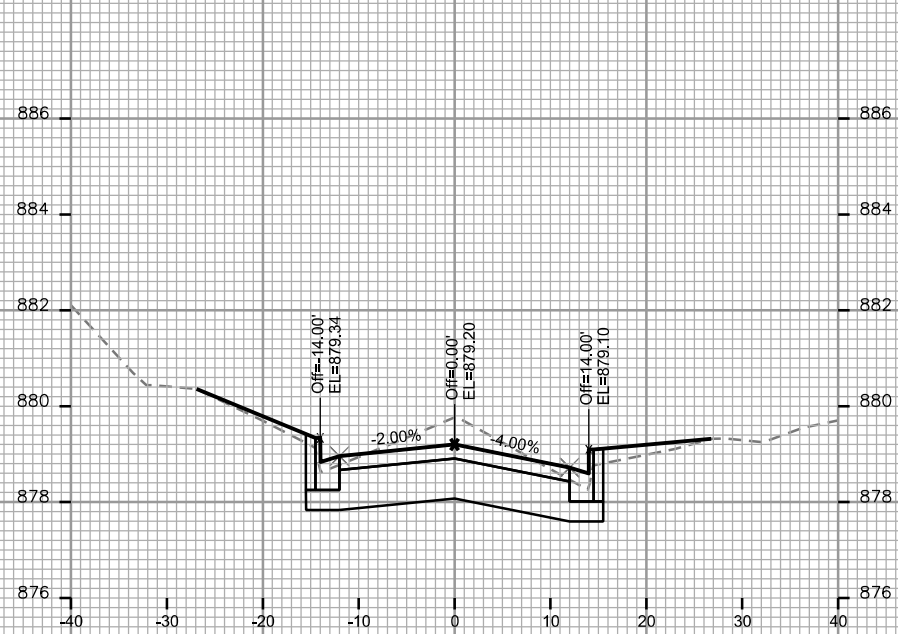
CROSS SECTIONS
MADISON STREETE CITY OF MADISON

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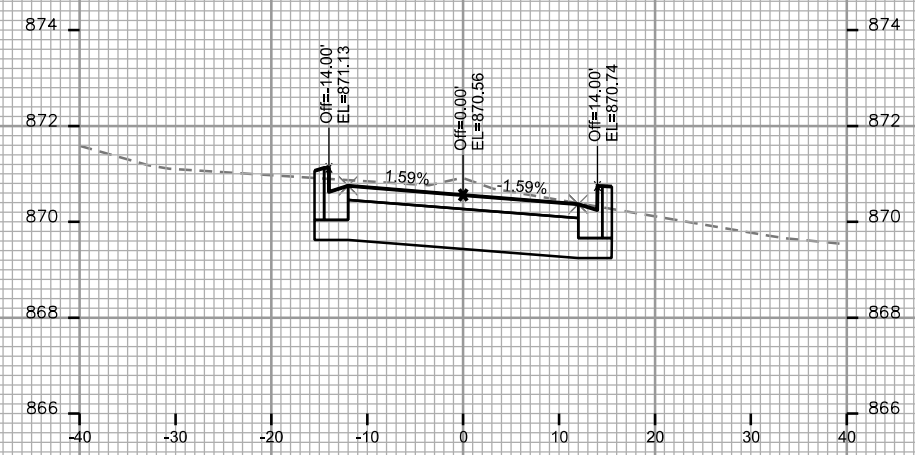


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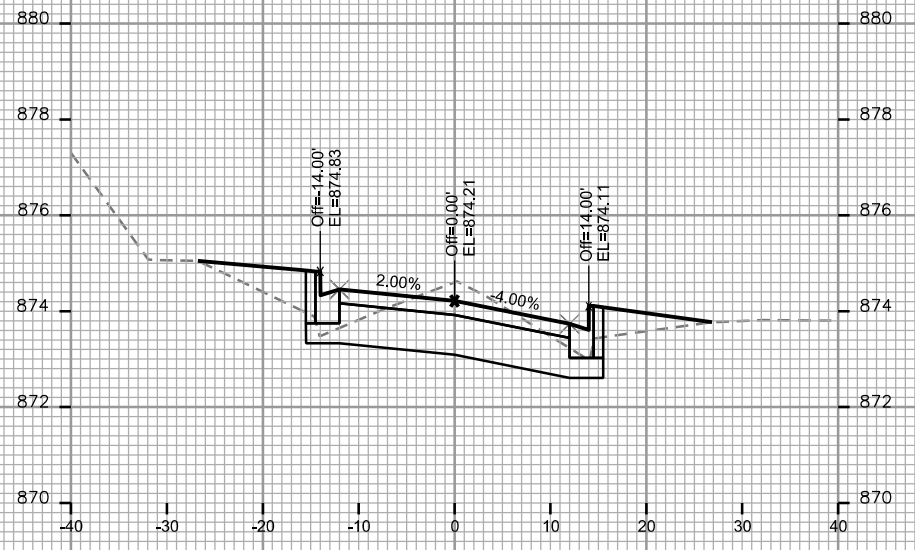
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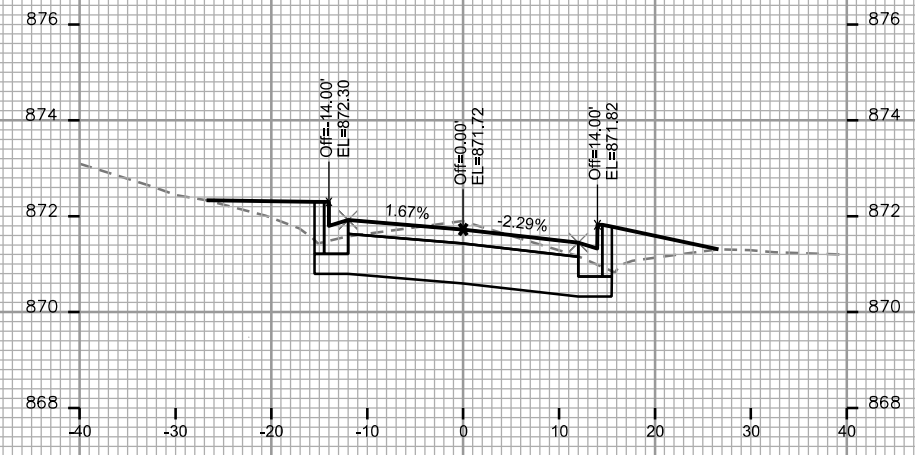
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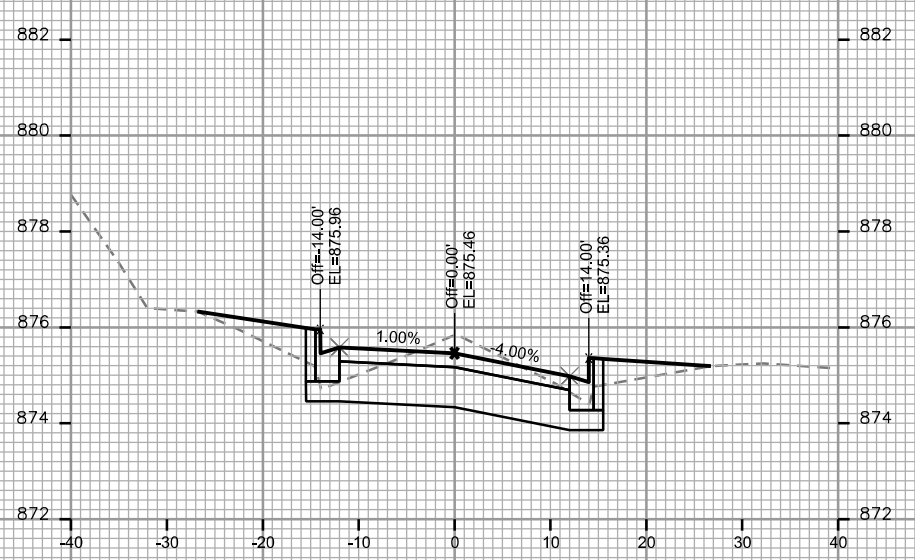
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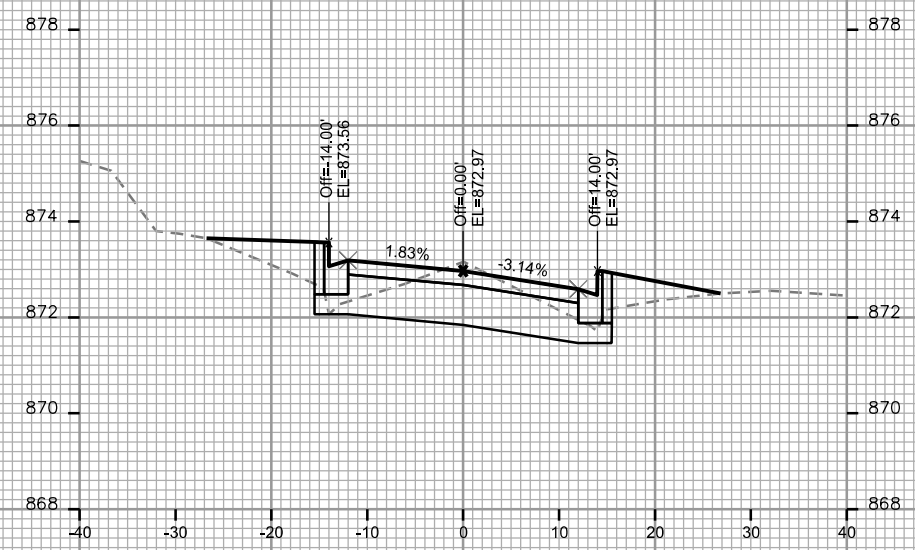
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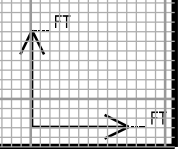
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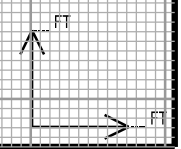
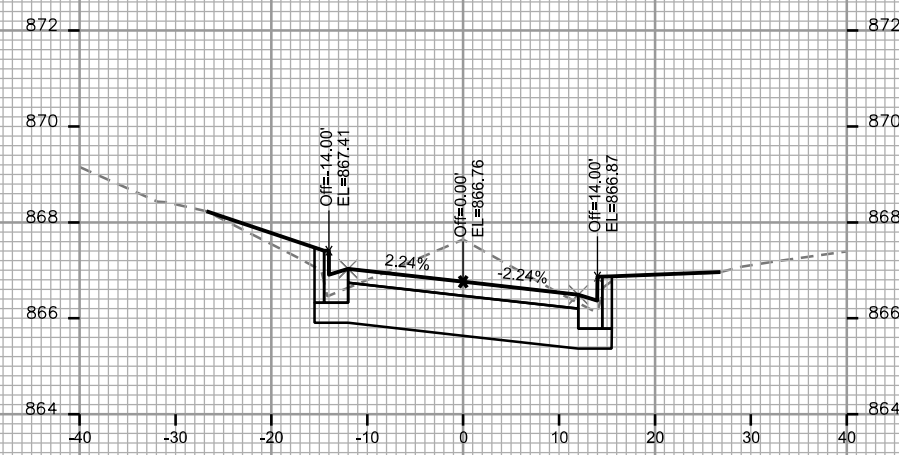
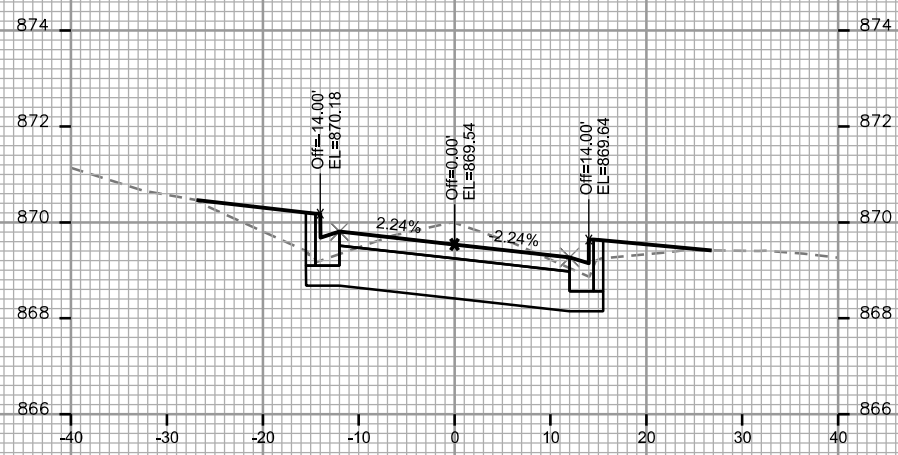
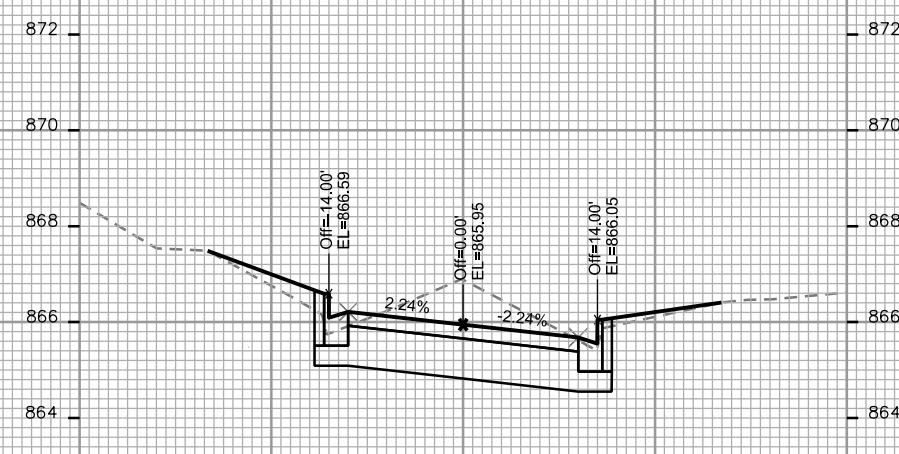
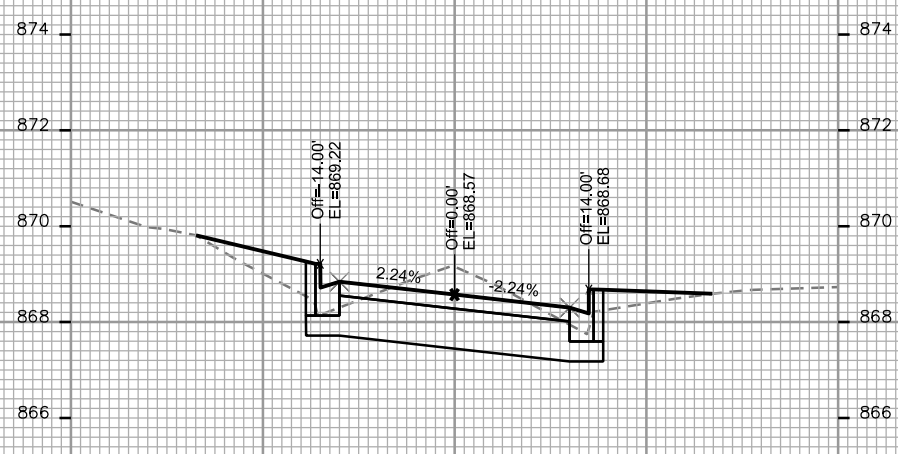
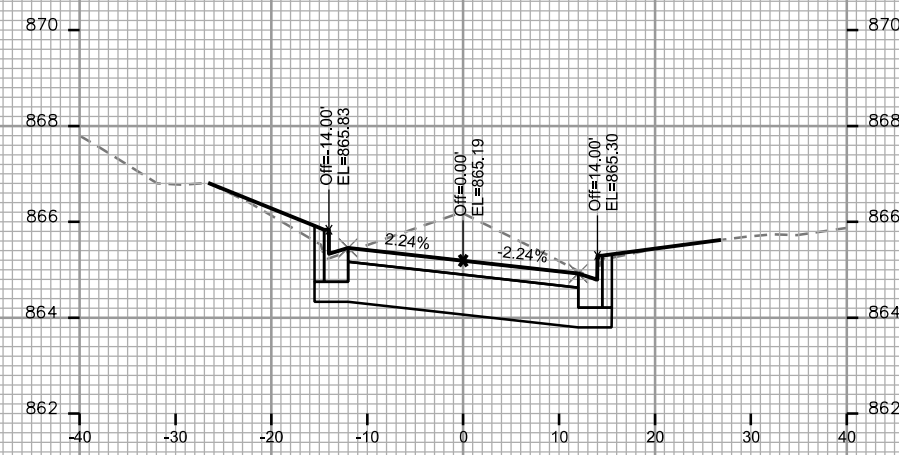
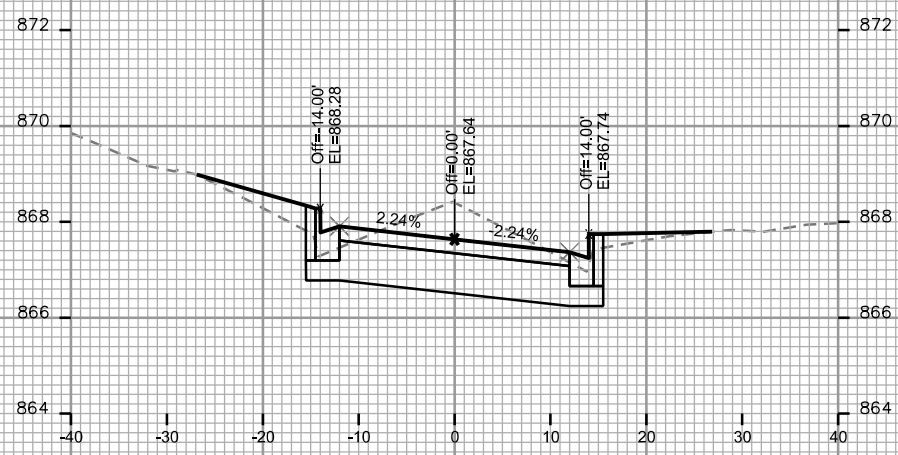


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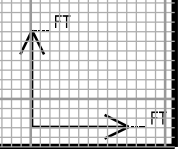
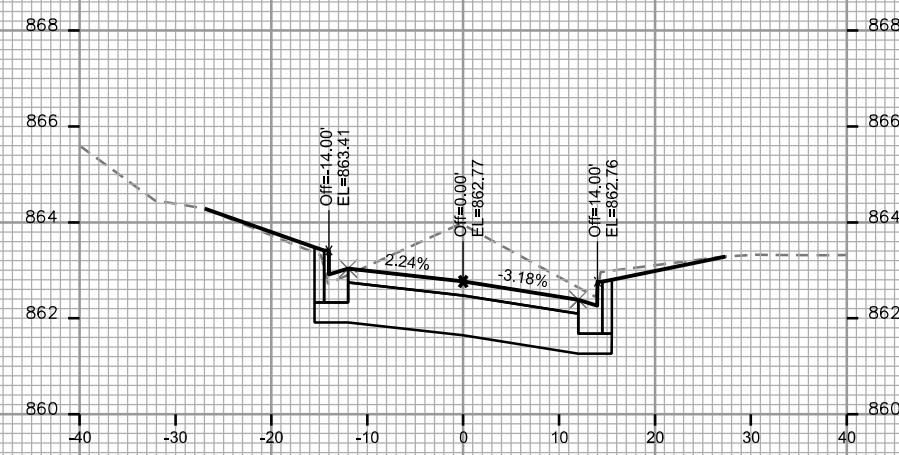
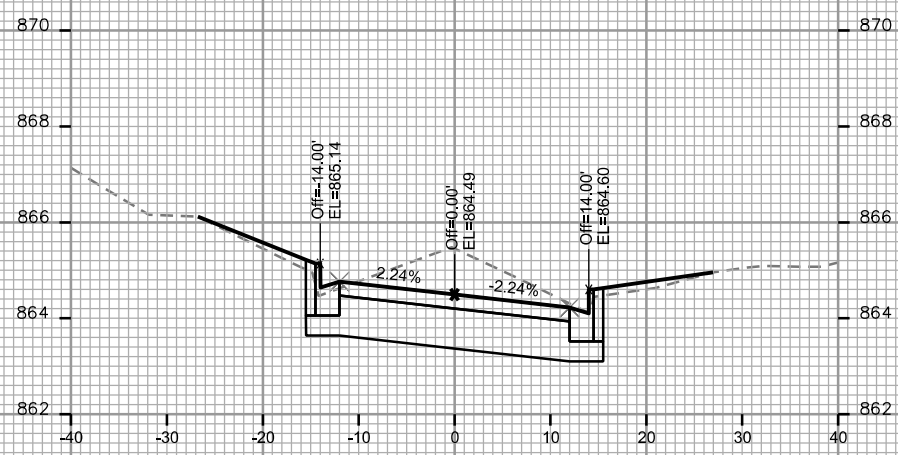
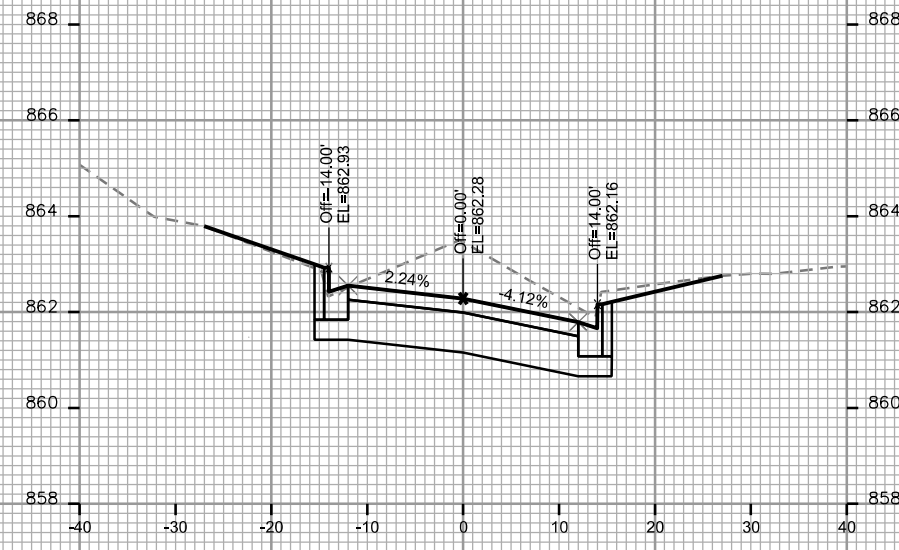
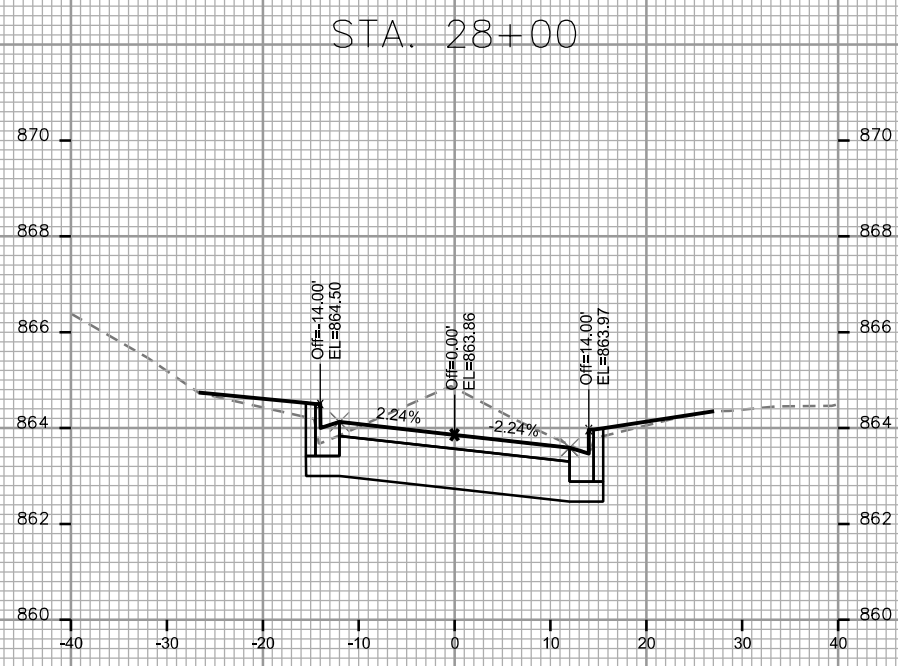
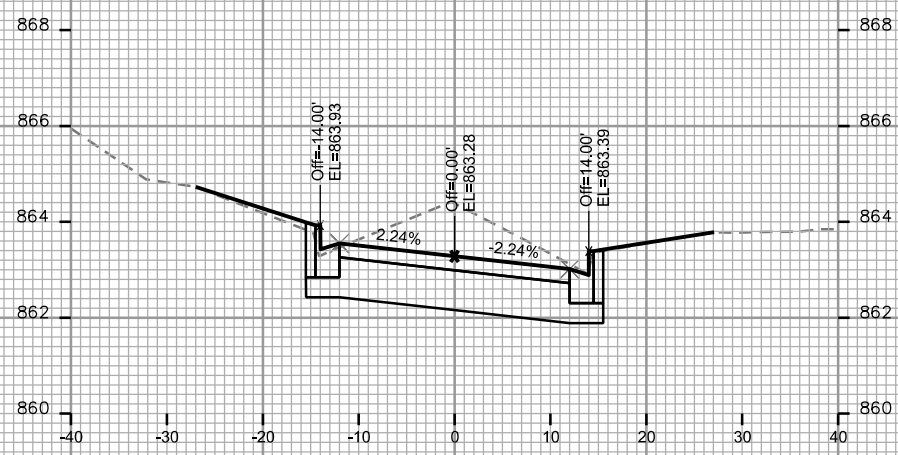


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CROSS SECTIONS

MADISON STREET

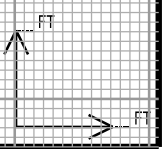
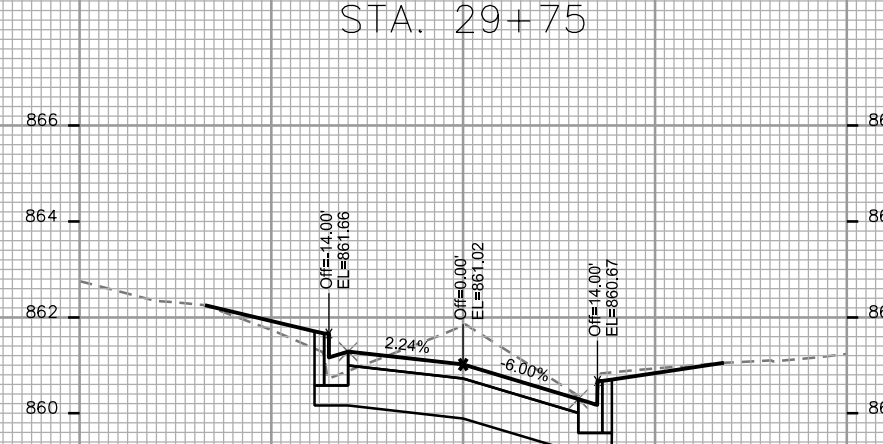
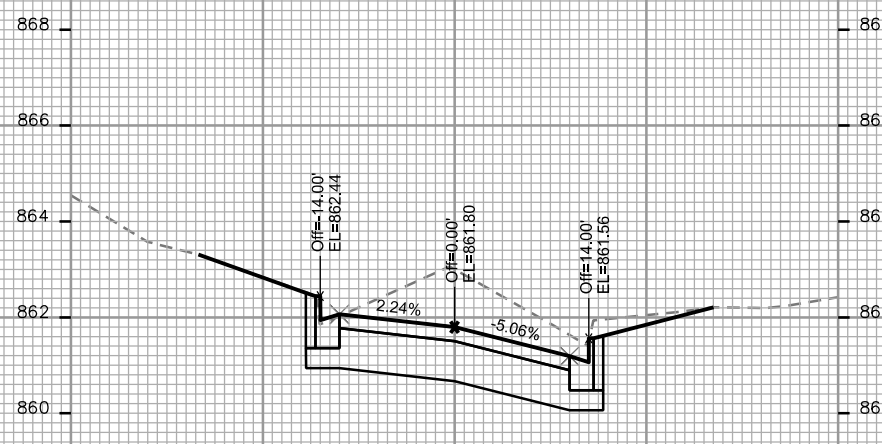
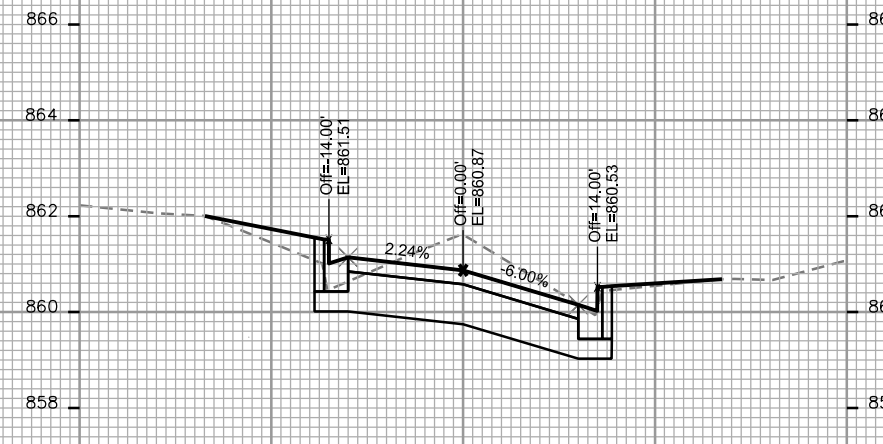
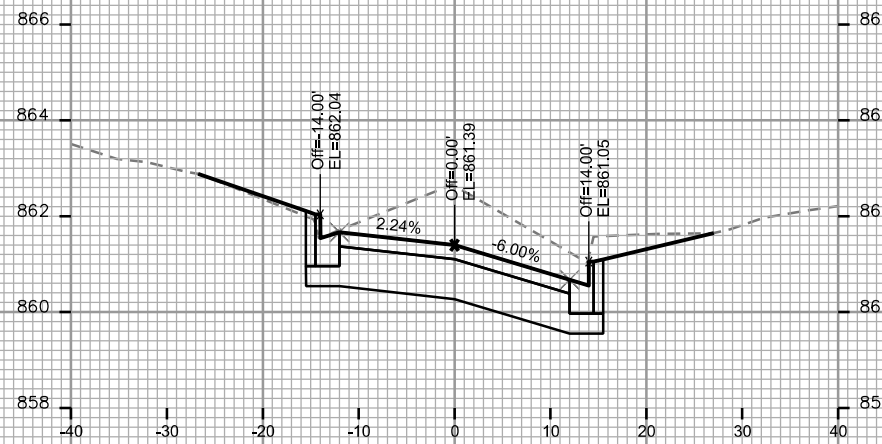
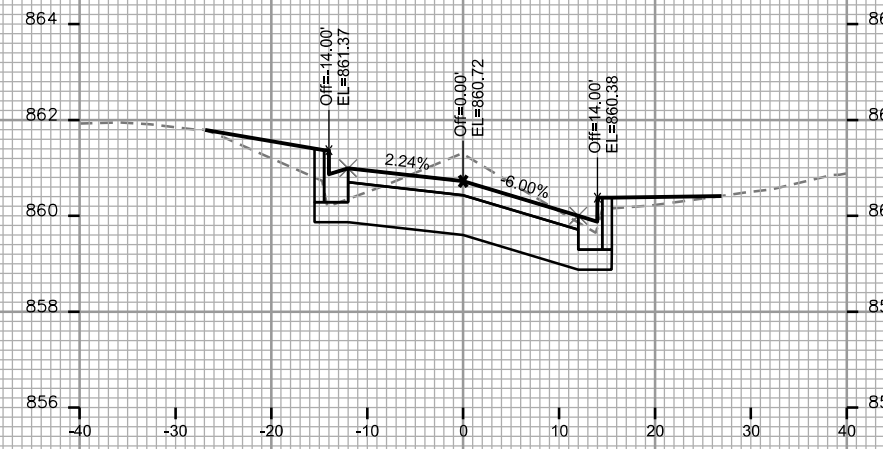
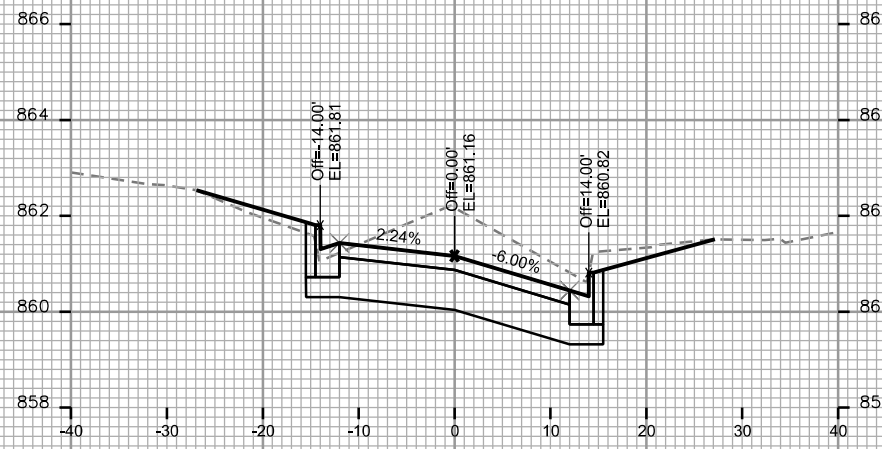
CITY OF MADISON

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CROSS SECTIONS

MADISON STREET

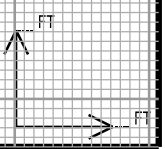
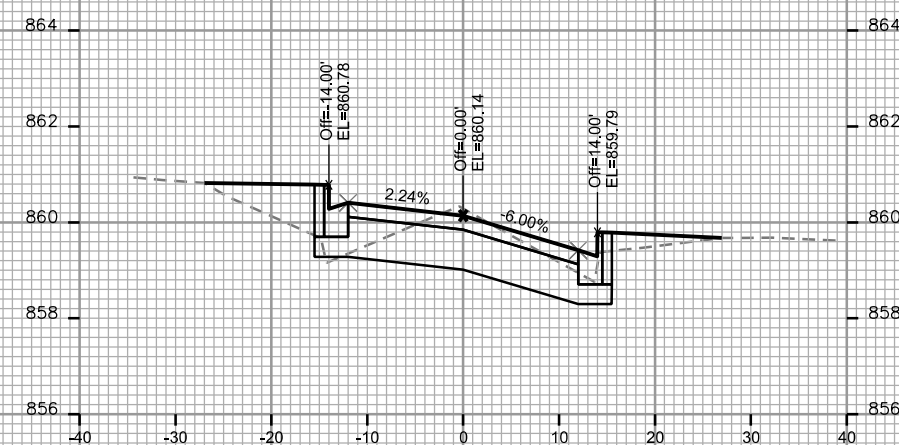
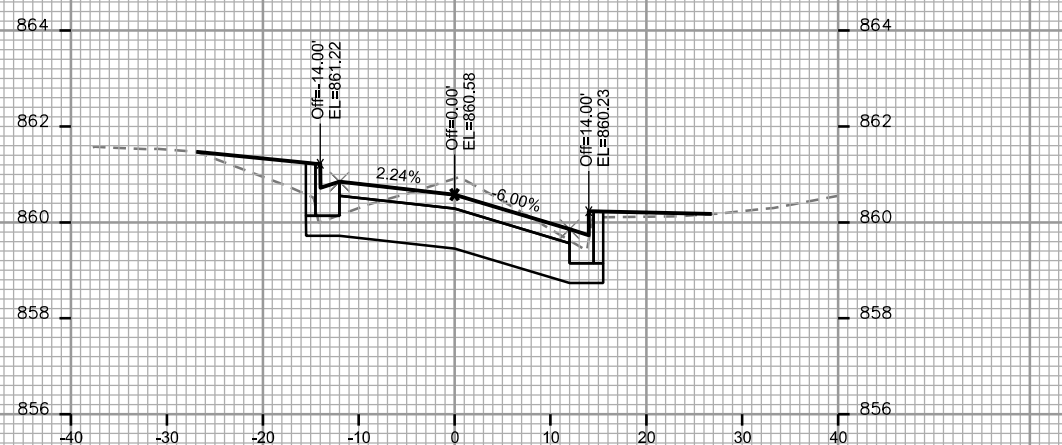
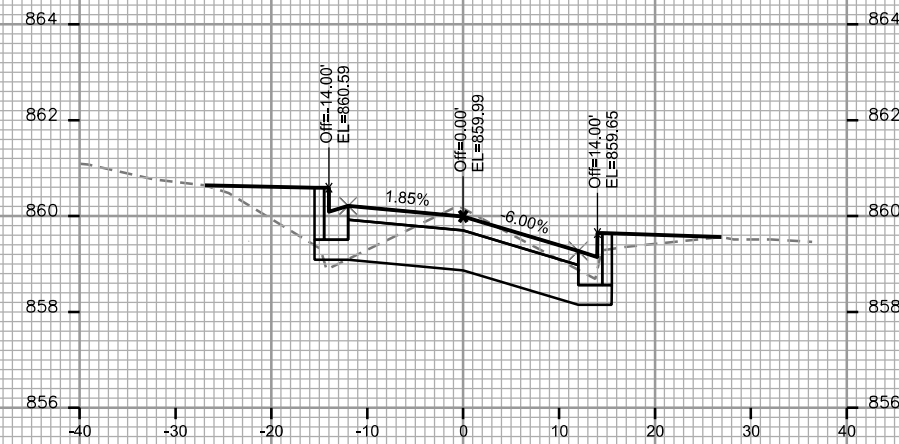
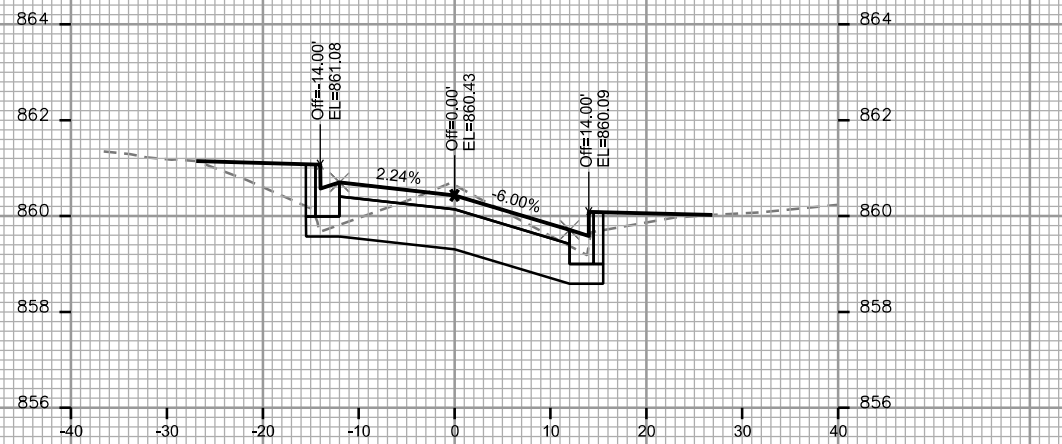
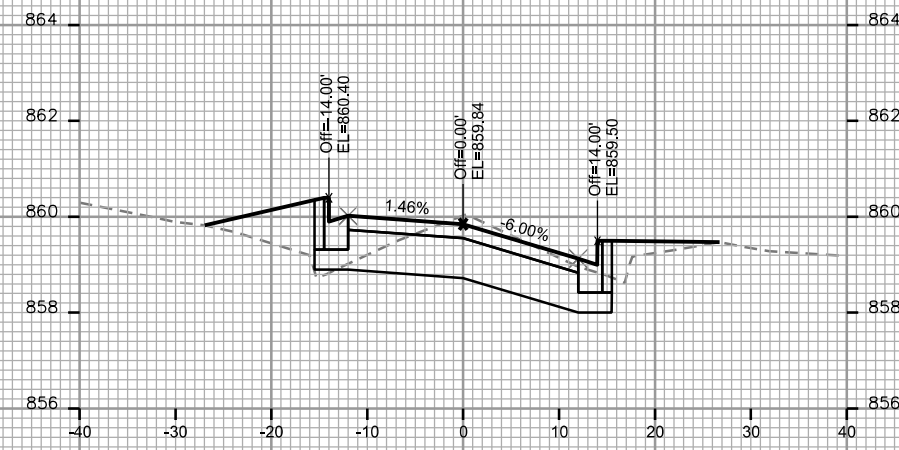
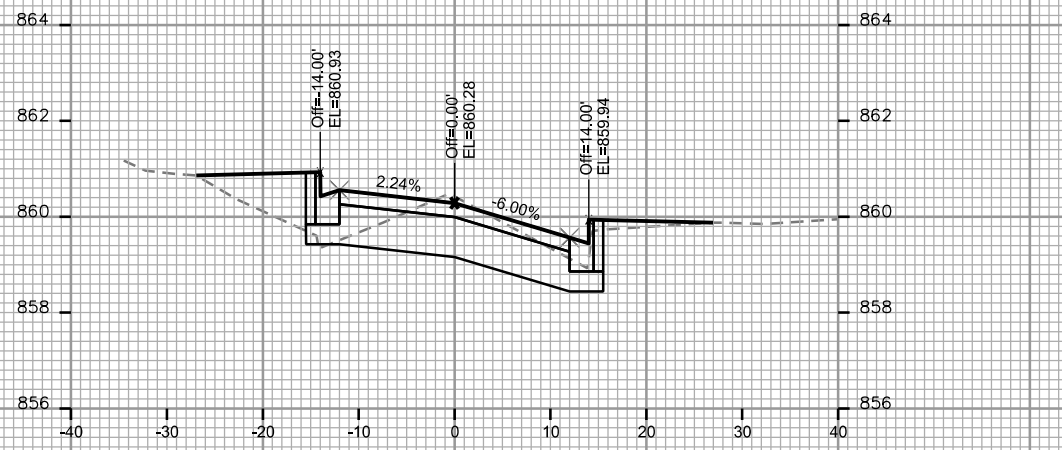
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

MADISON STREET

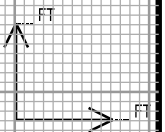
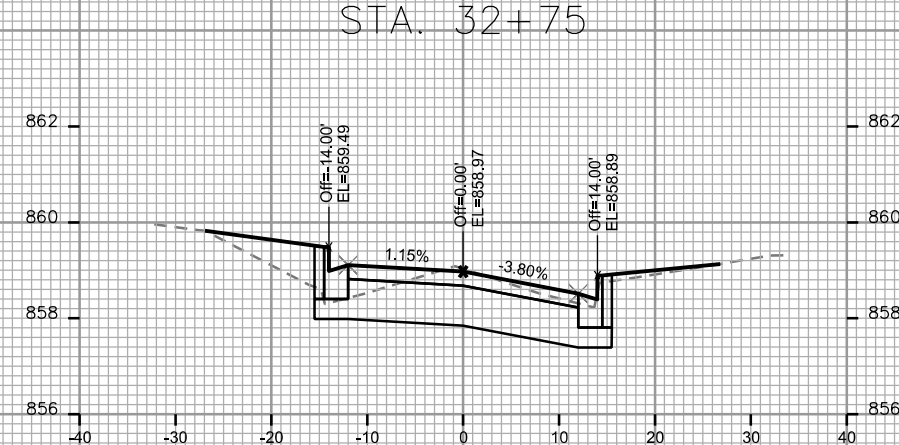
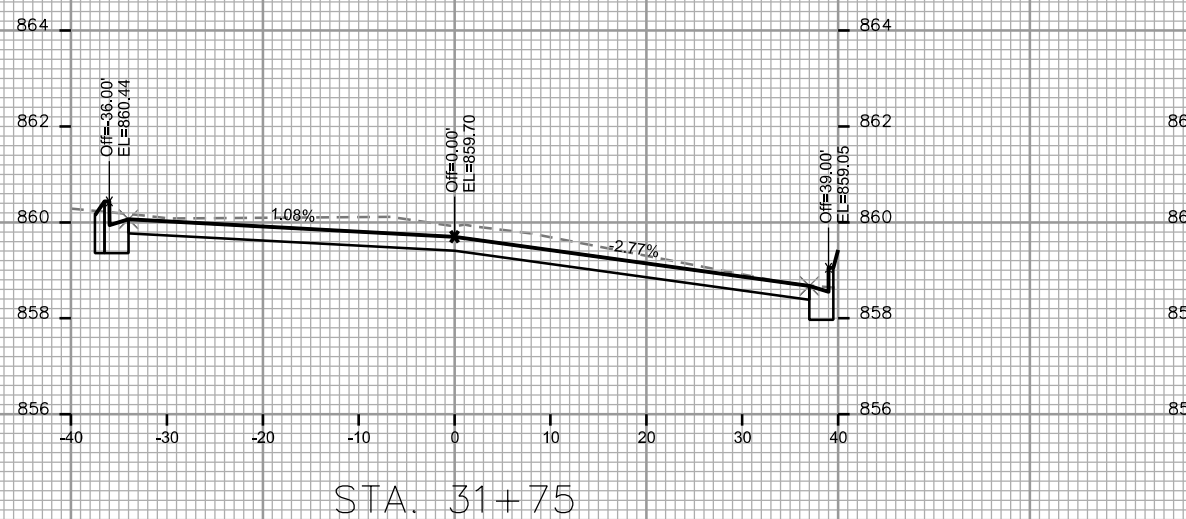
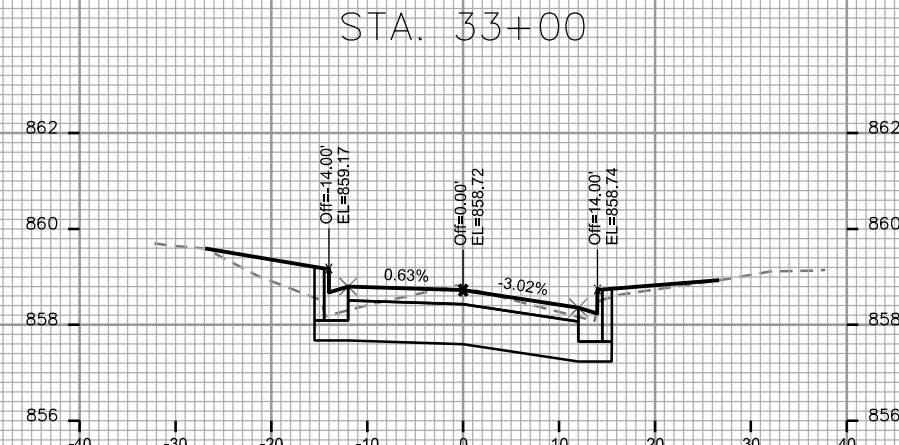
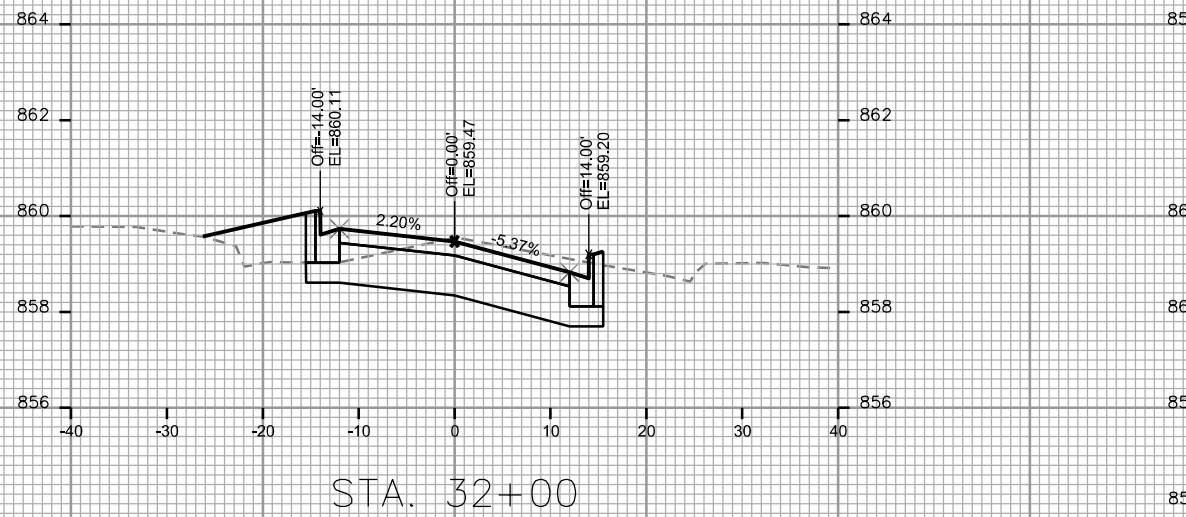
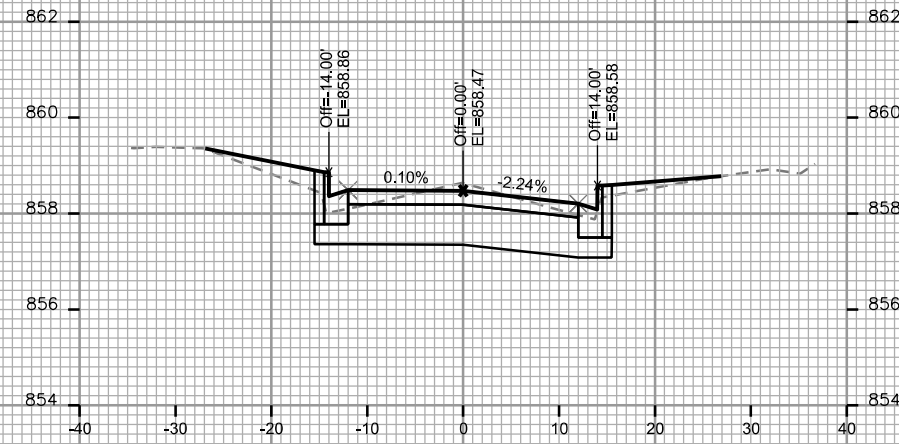
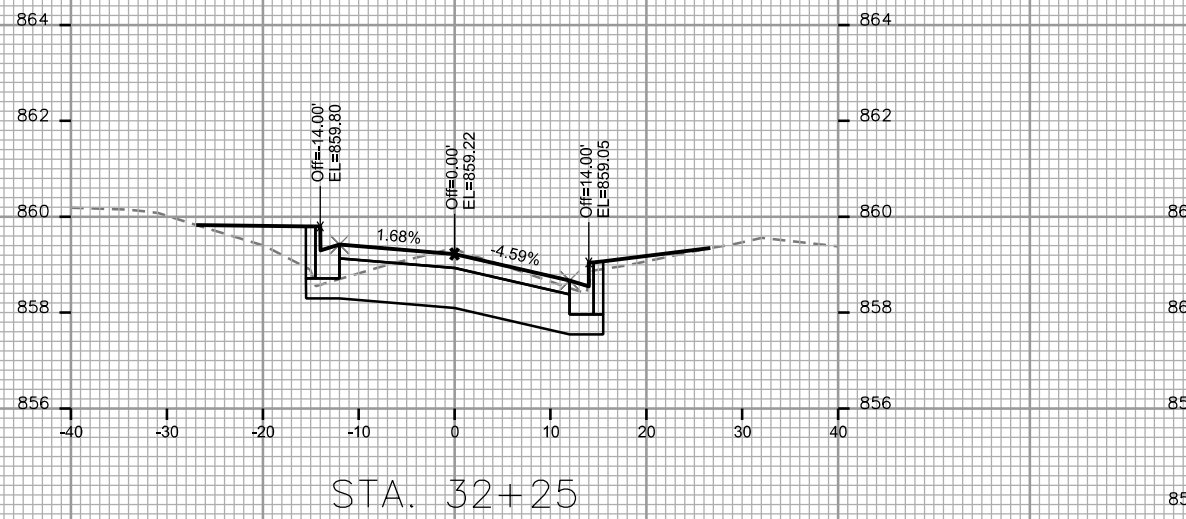
CITY OF MADISON

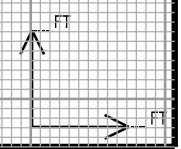
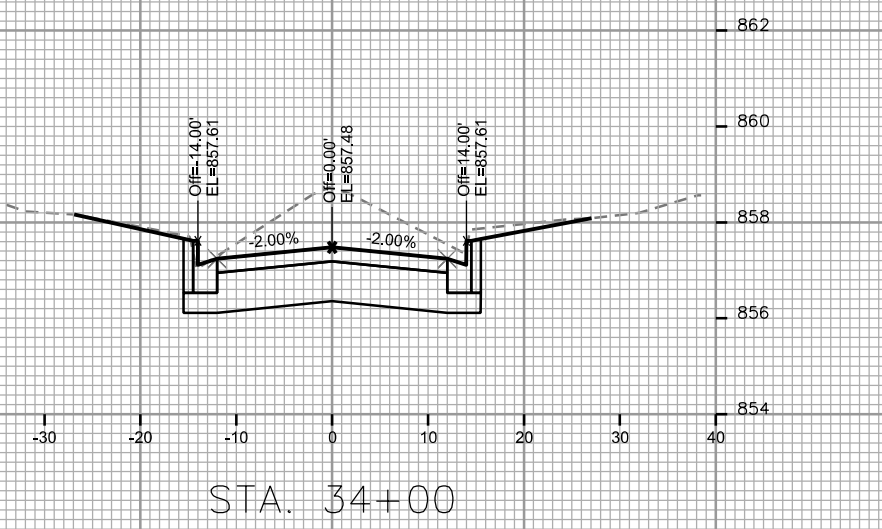
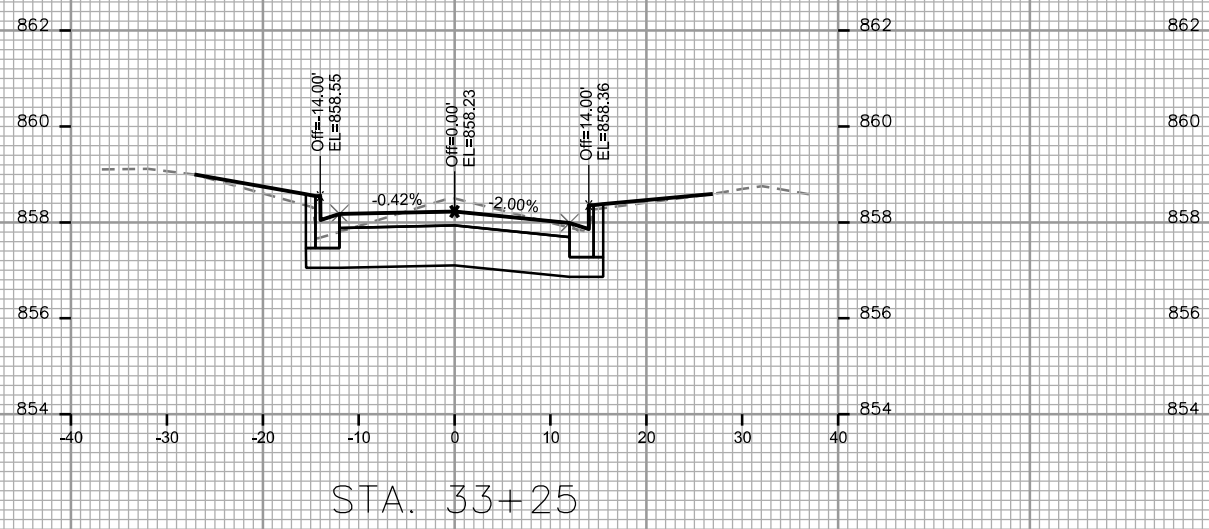
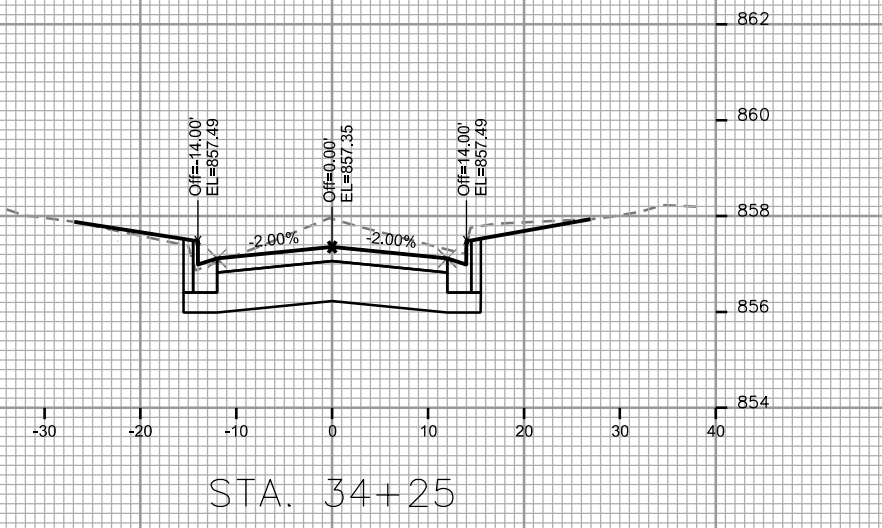
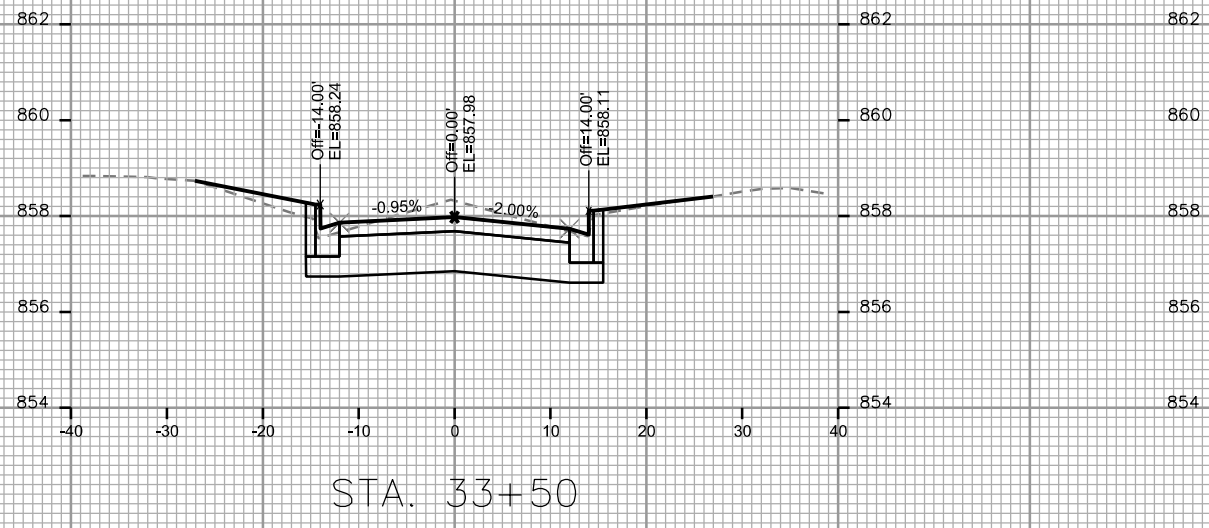
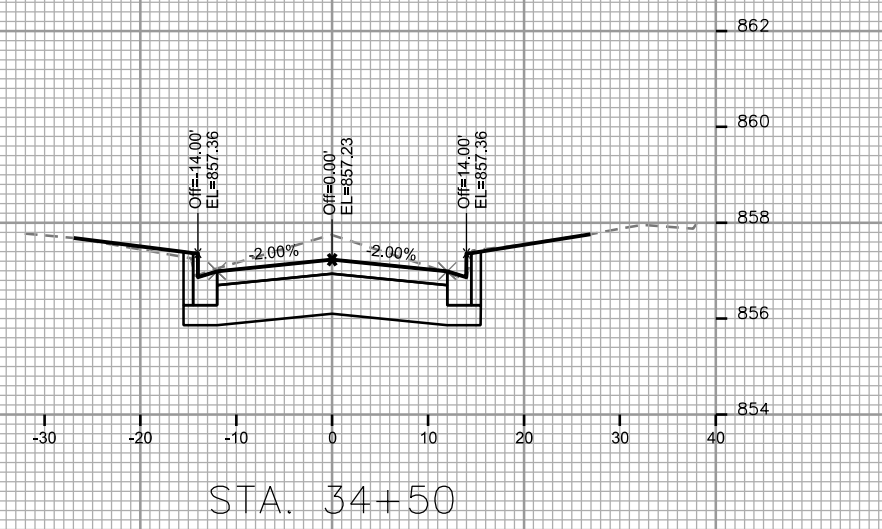
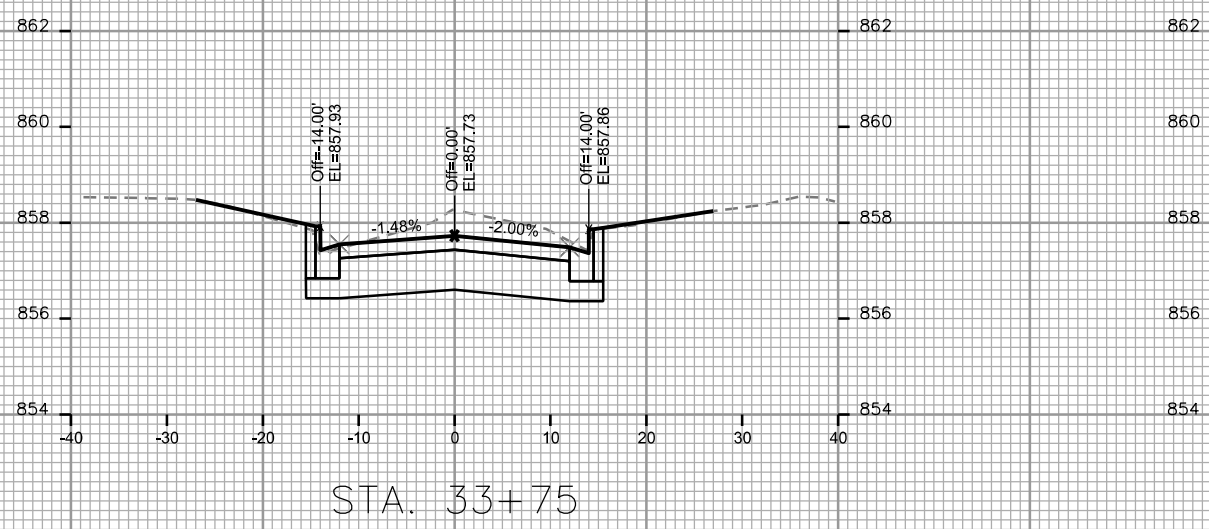
PLOT SCALE: _____

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CROSS SECTIONS

MADISON STREET

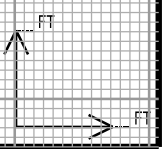
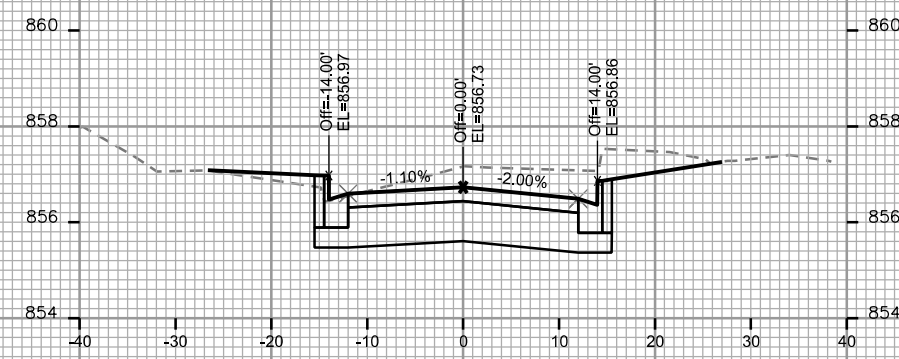
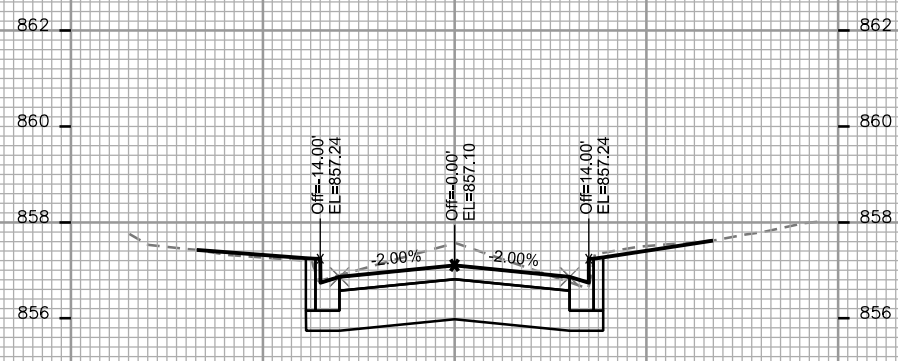
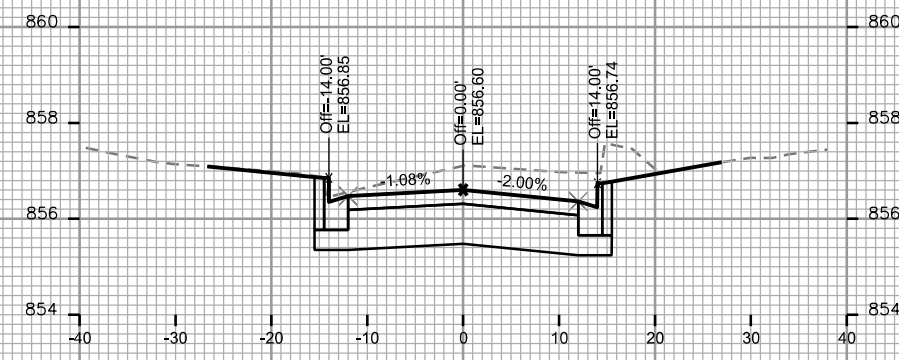
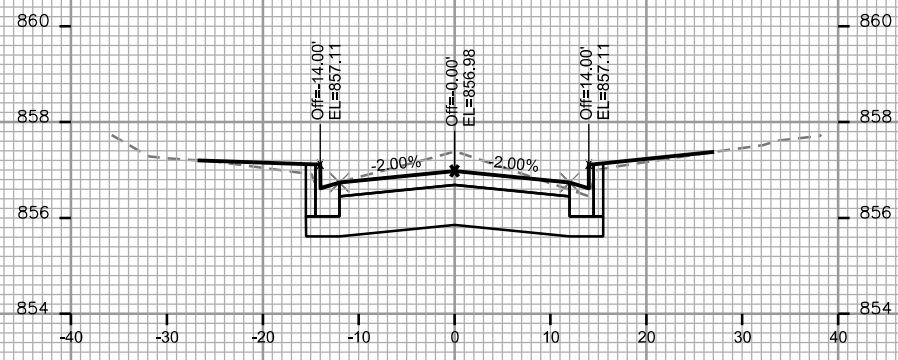
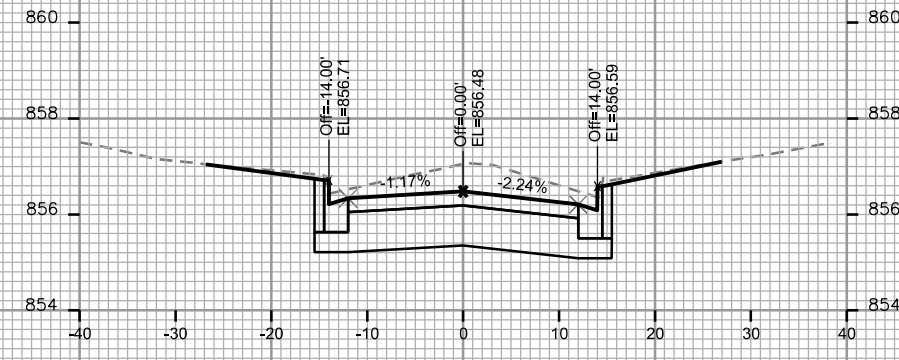
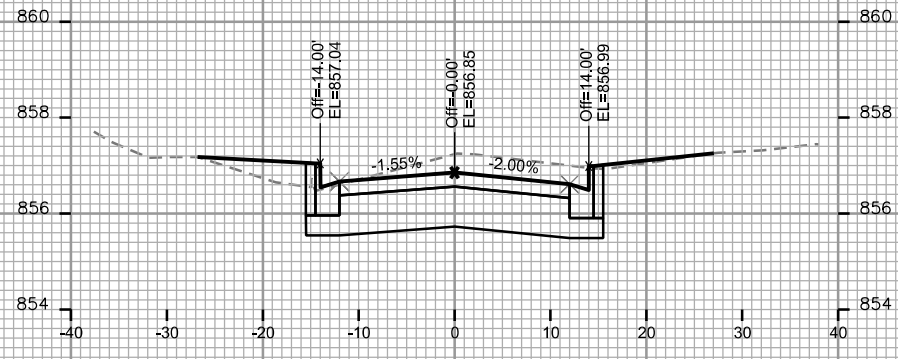
CITY OF MADISON

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CROSS SECTIONS

MADISON STREET

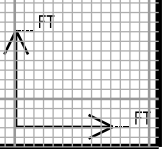
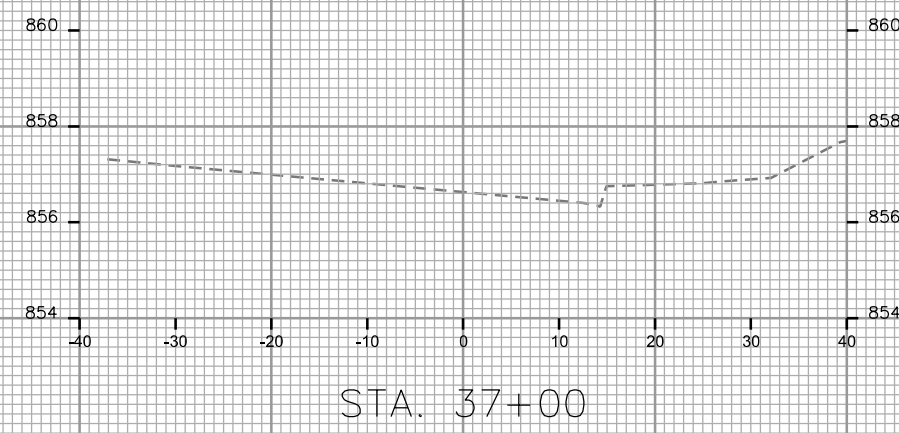
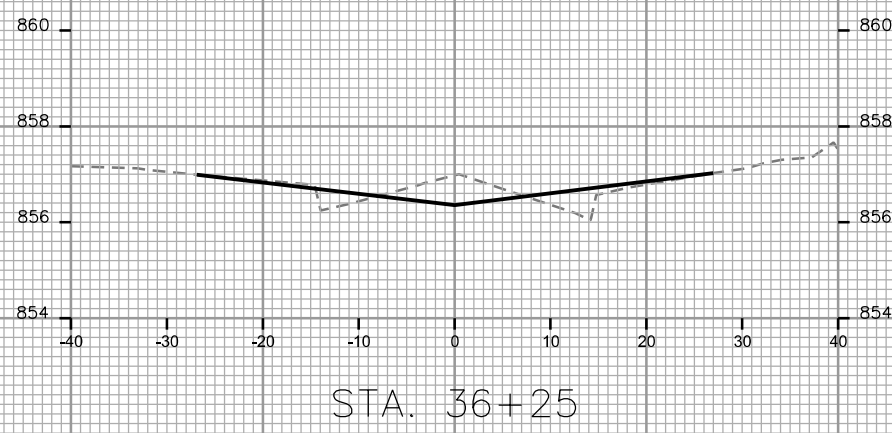
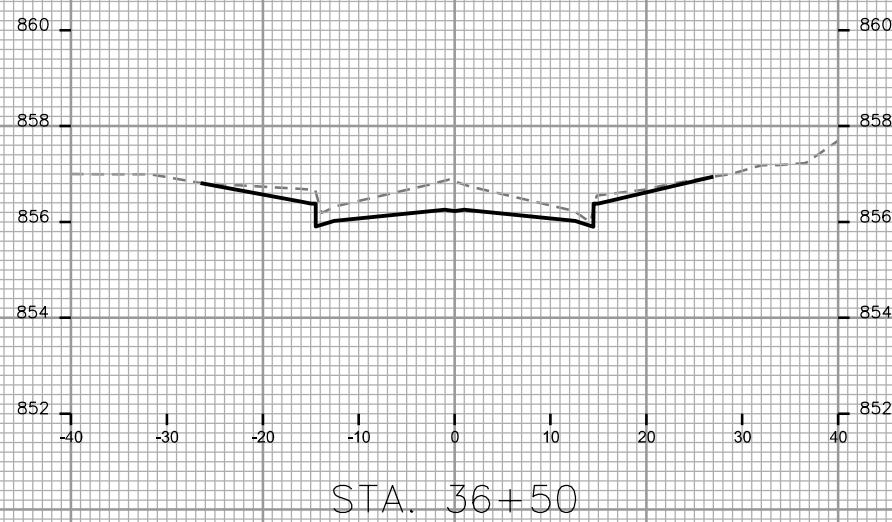
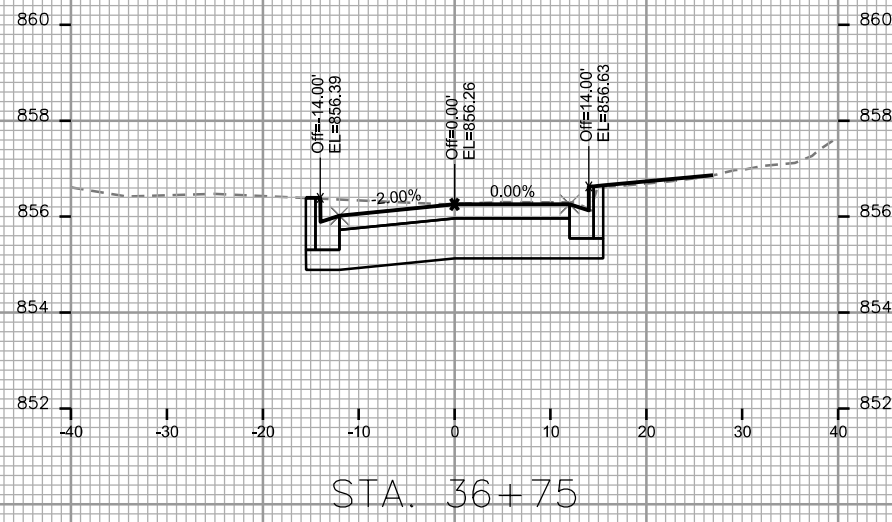
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OAKLAND AVENUE

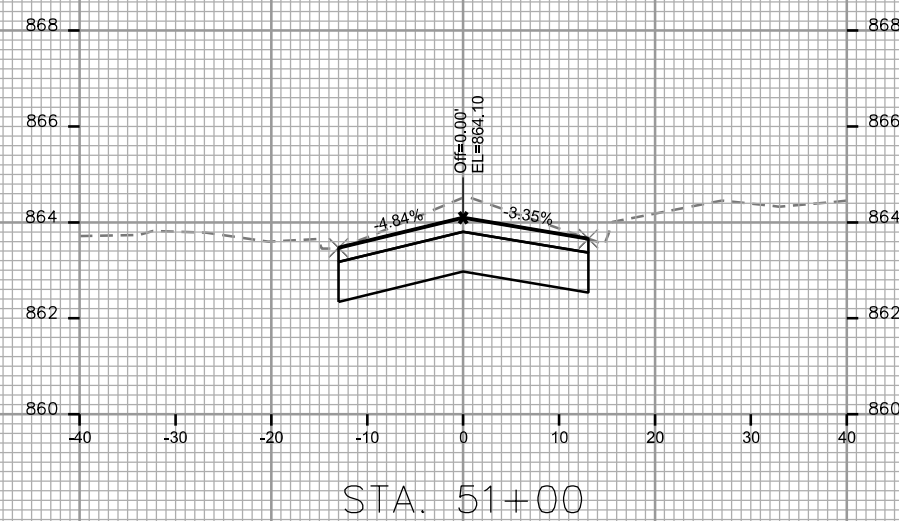
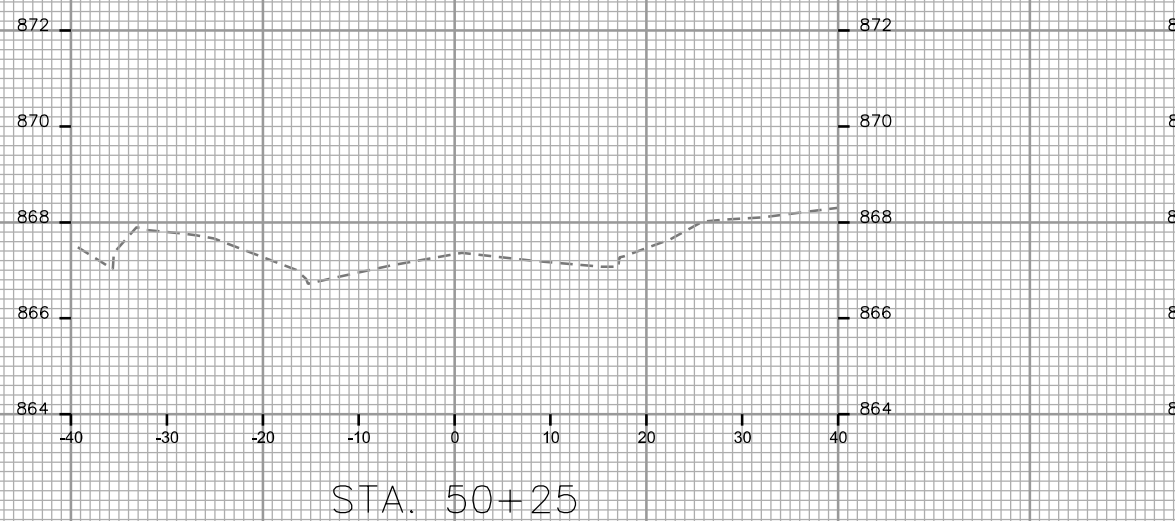
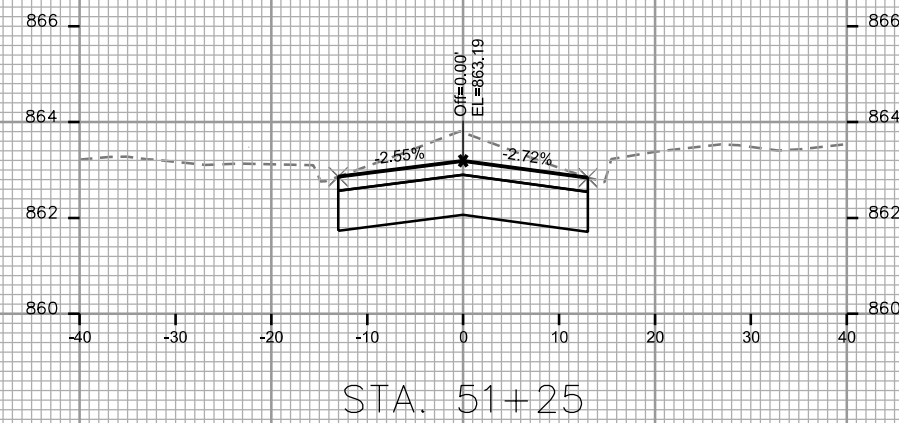
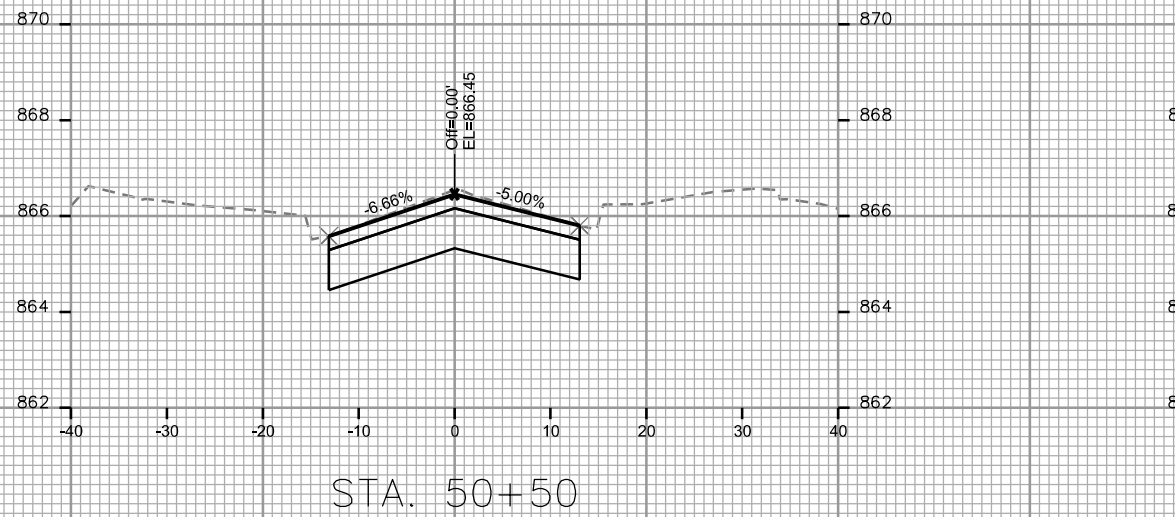
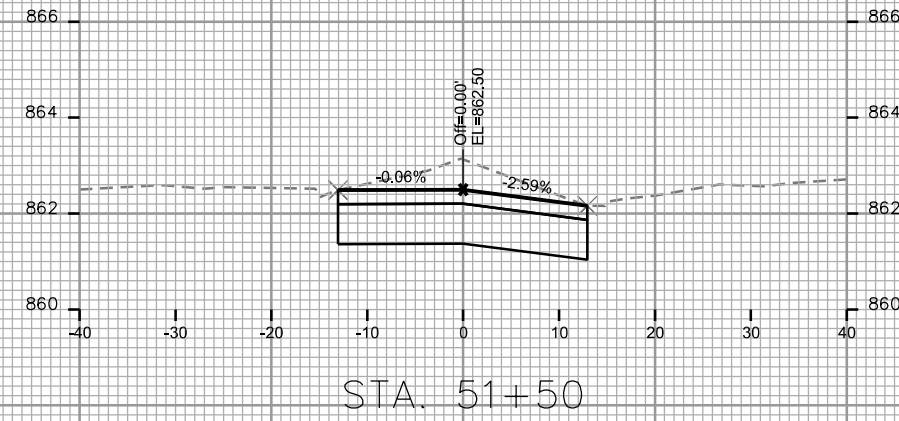
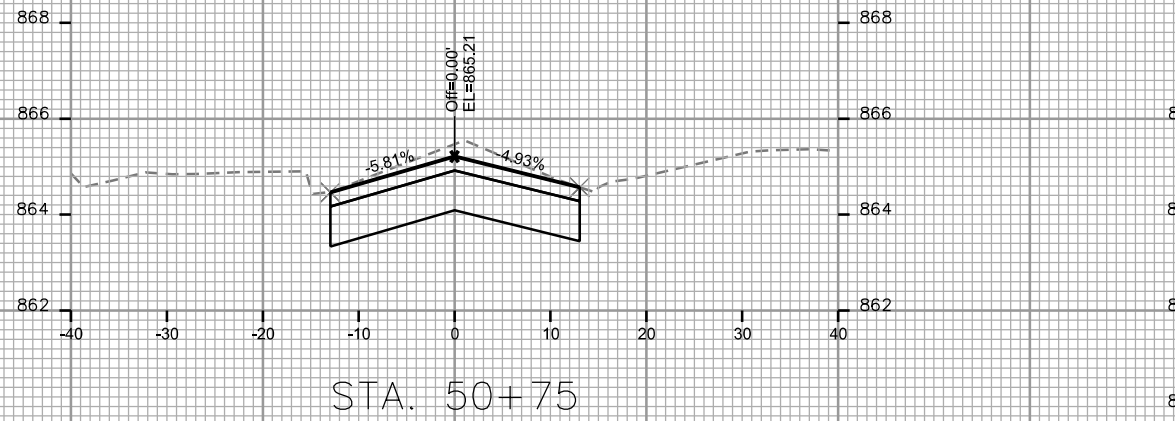
CITY OF MADISON

PLOT SCALE: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

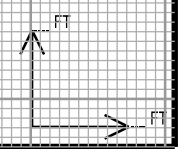
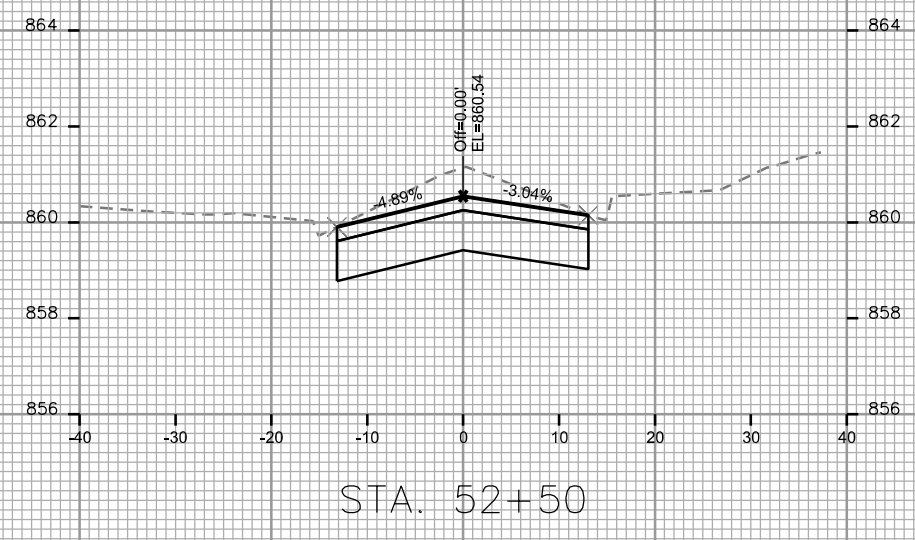
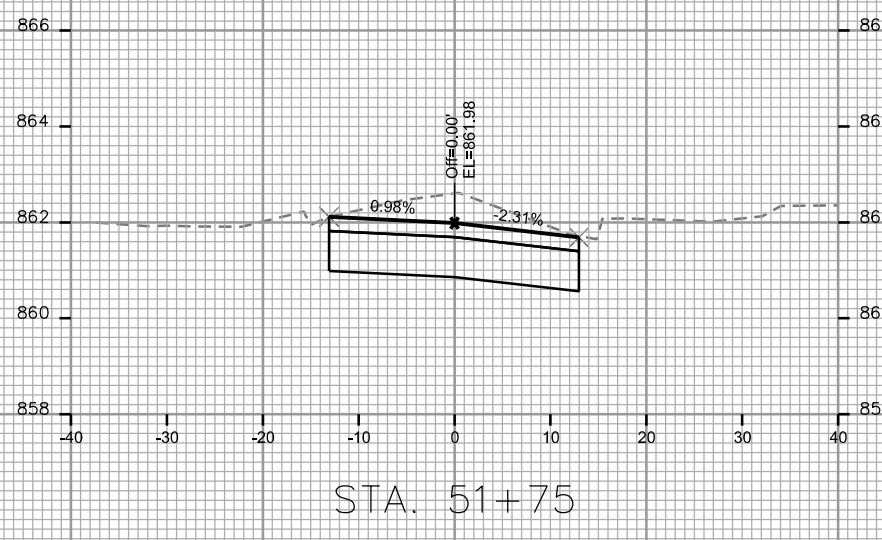
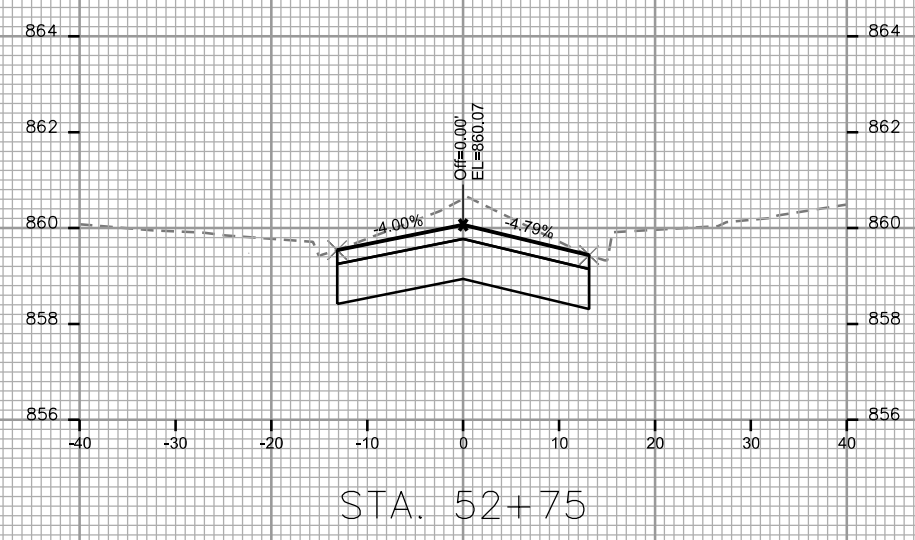
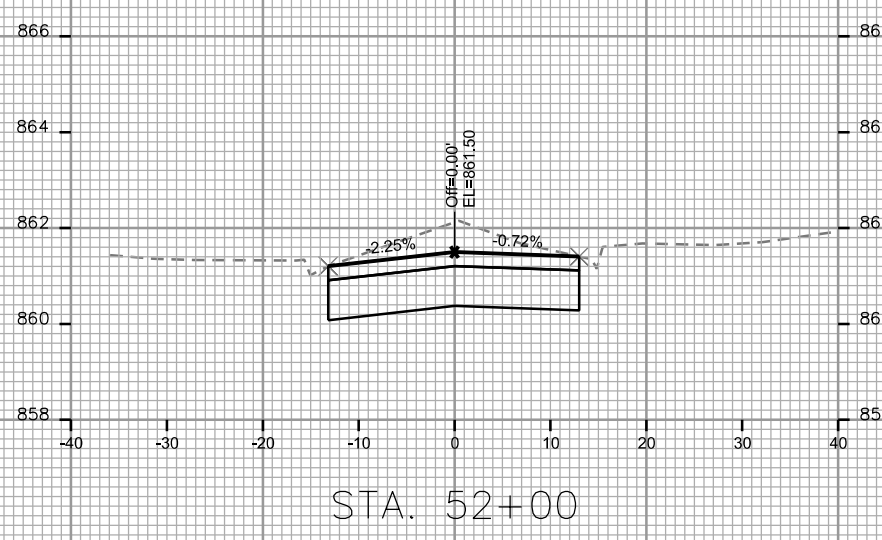
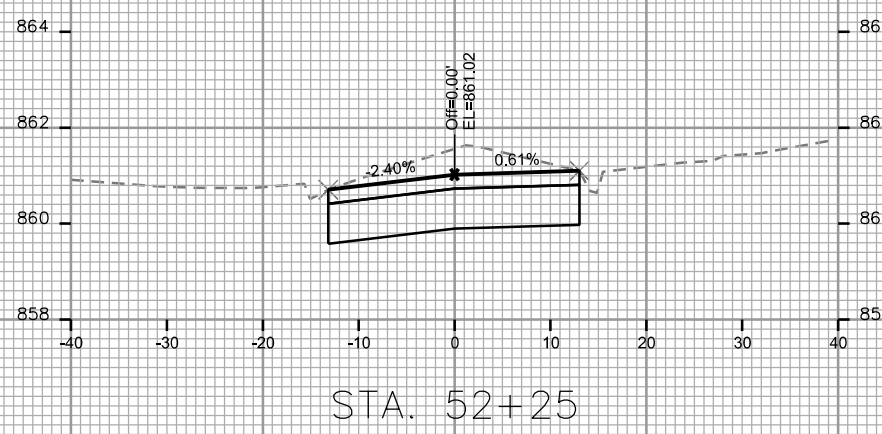


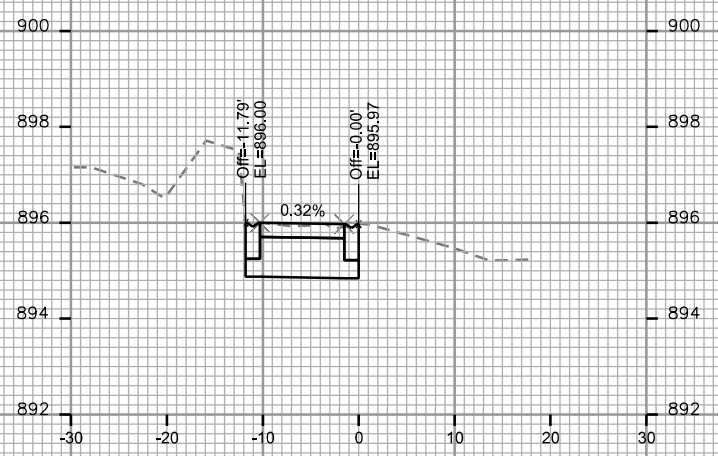
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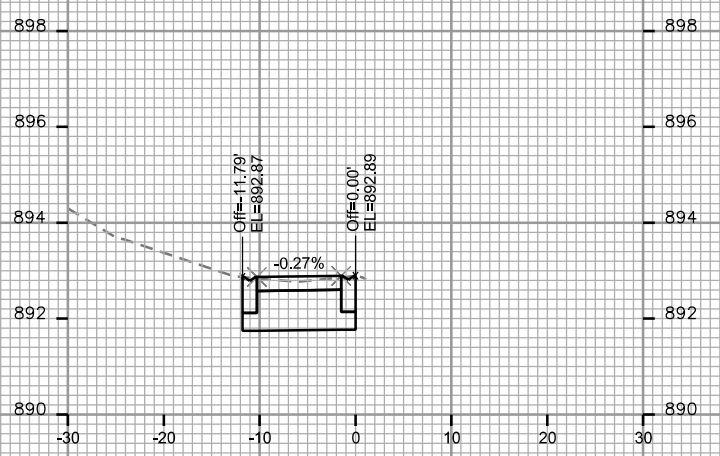
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

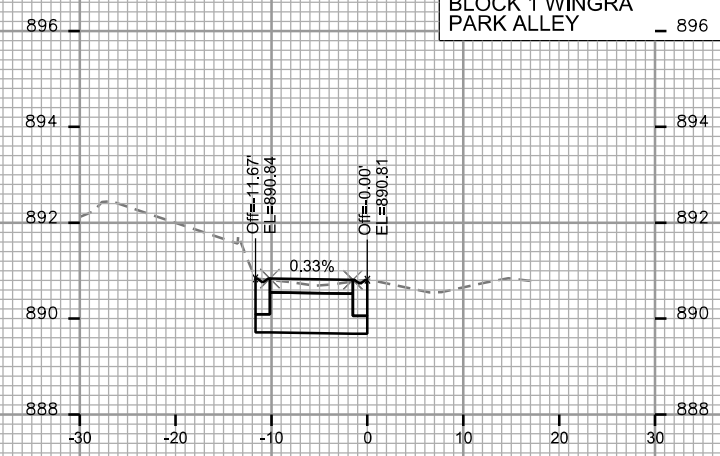




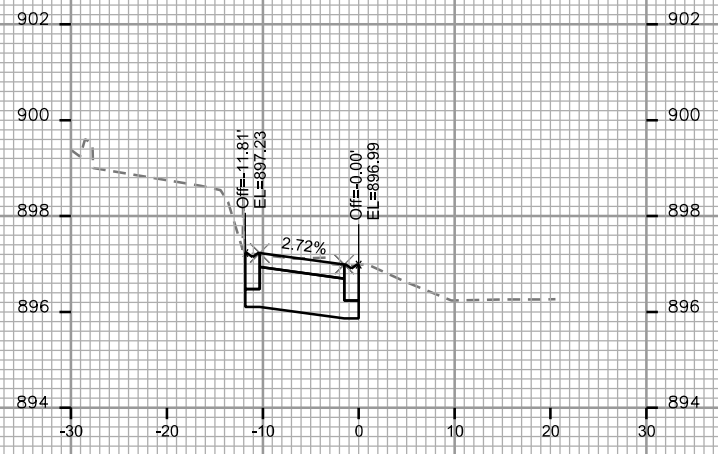
STA. 11+00



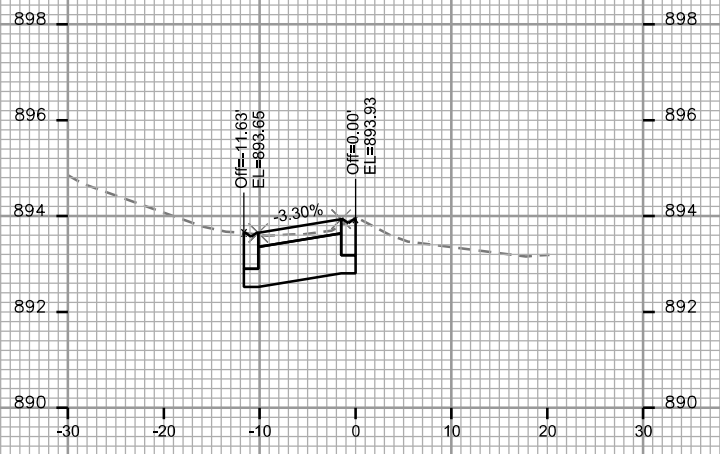
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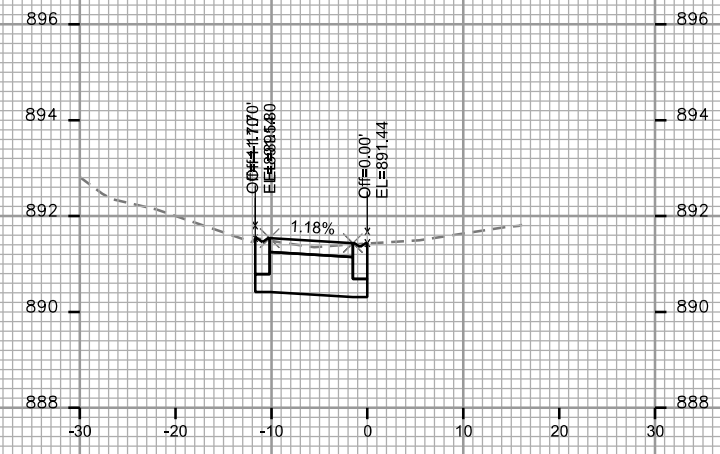
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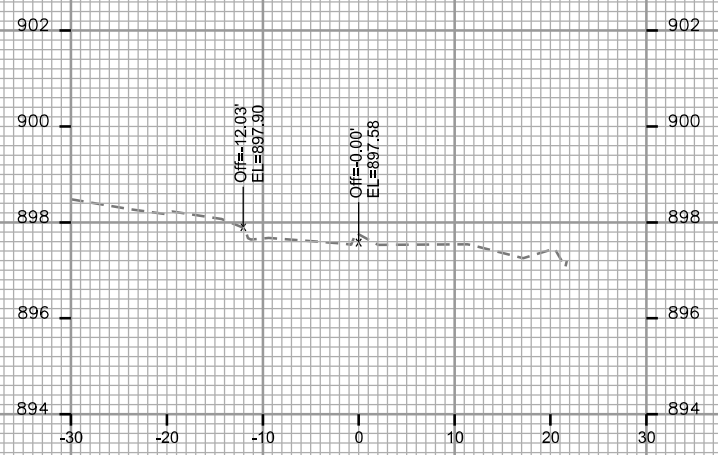
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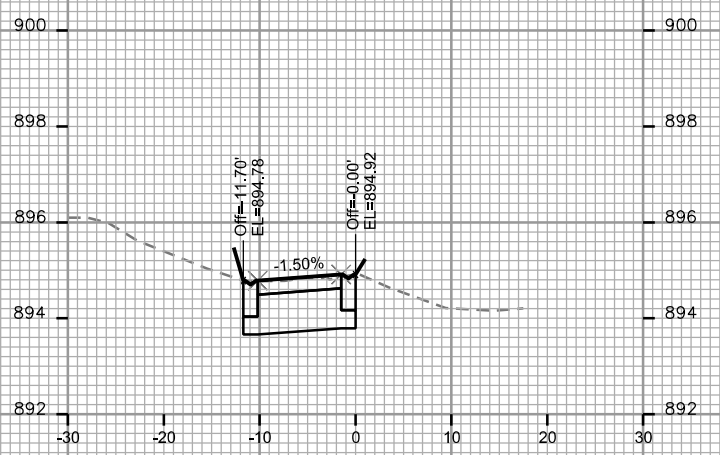
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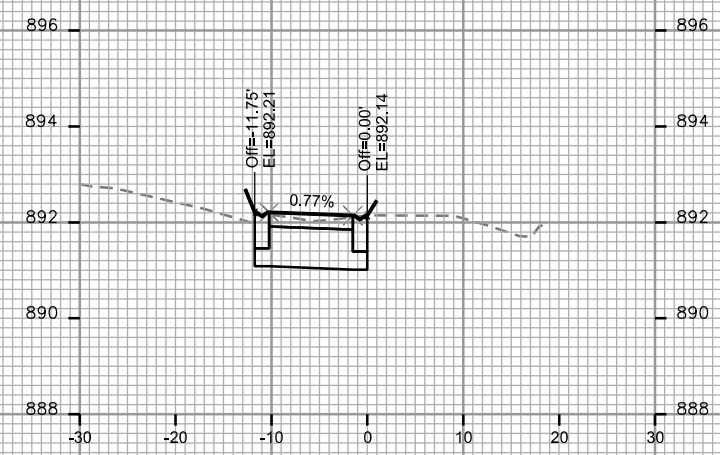
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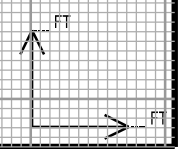
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STA. 11+25



STA. 12+00



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

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