

Madison, Wisconsin


CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT
APPROVED
DECEMBER 2, 2014
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

City Engineer
12/2/14
Date

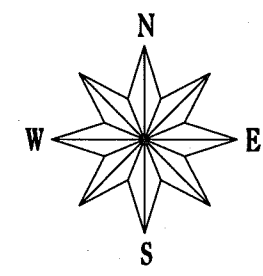
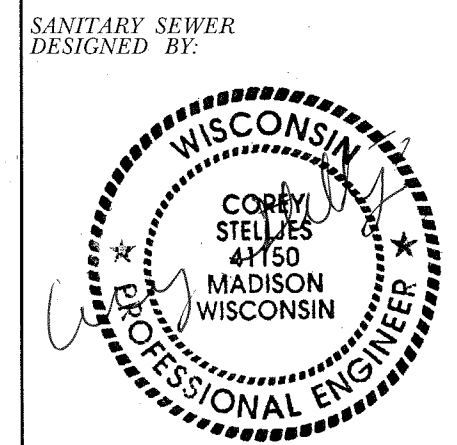
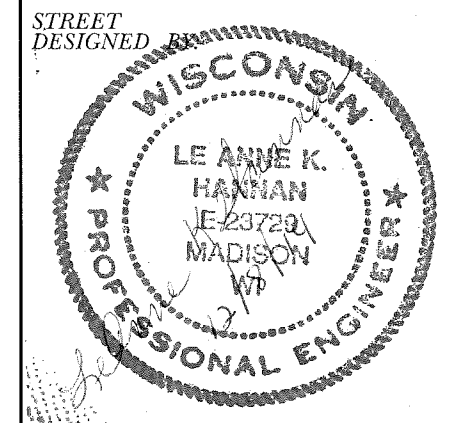
INDEX OF SHEETS

SHEET NO.	TITLE
1	ALIGNMENTS
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D1	EROSION CONTROL PLANS
EC1-EC5	STREET PLAN & PROFILES
P1-P5	UTILITY PLAN & PROFILES
U1-U5	SEWER SCHEDULES
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W6	WATER IMPACT PLANS
W7	WATER ESTIMATE OF MATERIALS
X1-X17	CROSS SECTIONS

BASCOM PLACE, BASCOM ST & CHAMBERLAIN AVENUE RECONSTRUCTION ASSESSMENT DISTRICT - 2015



CITY PROJECT NO. 53W1053

CITY CONTRACT NO. 7417

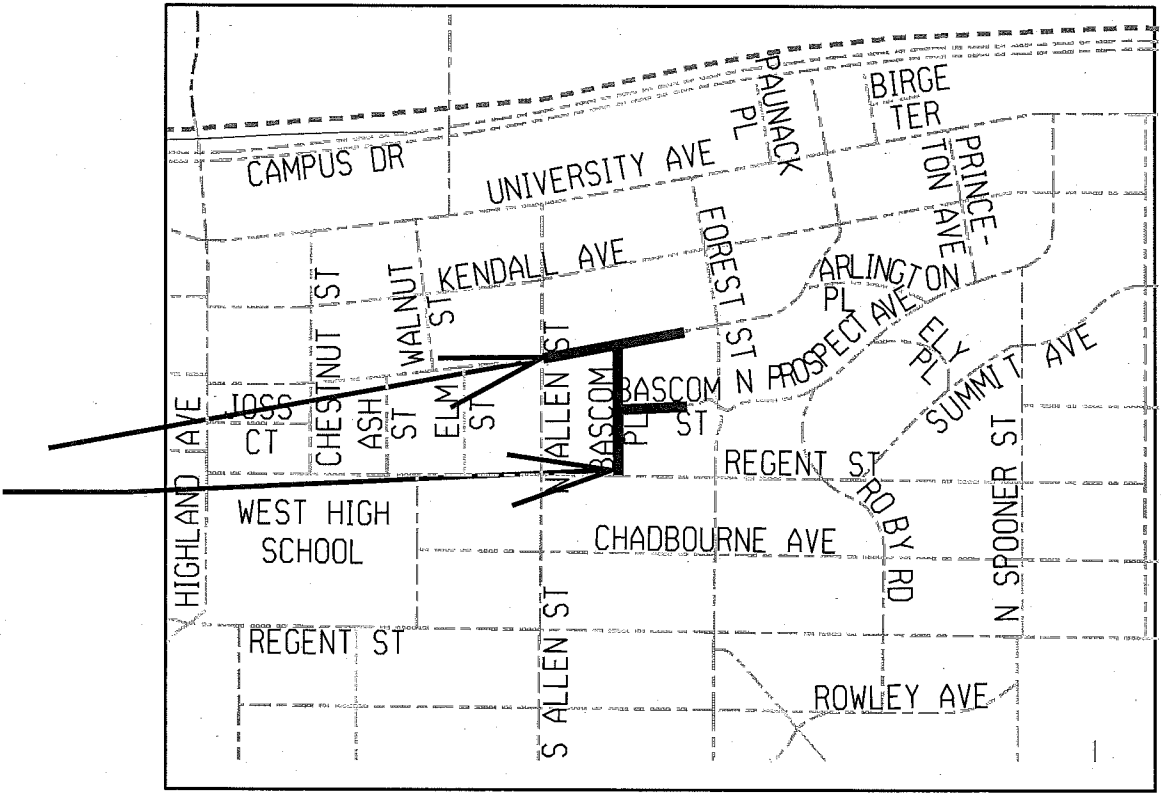


CONVENTIONAL SIGNS

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:

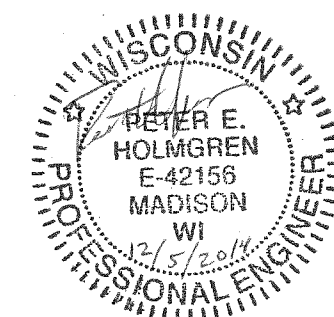
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

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 (MEASURED PLAN QUANTITY)..... 1000 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT..... 930 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT..... 1930 C.Y.

WATER
DESIGNED BY:



STORM SEWER
DESIGNED BY:

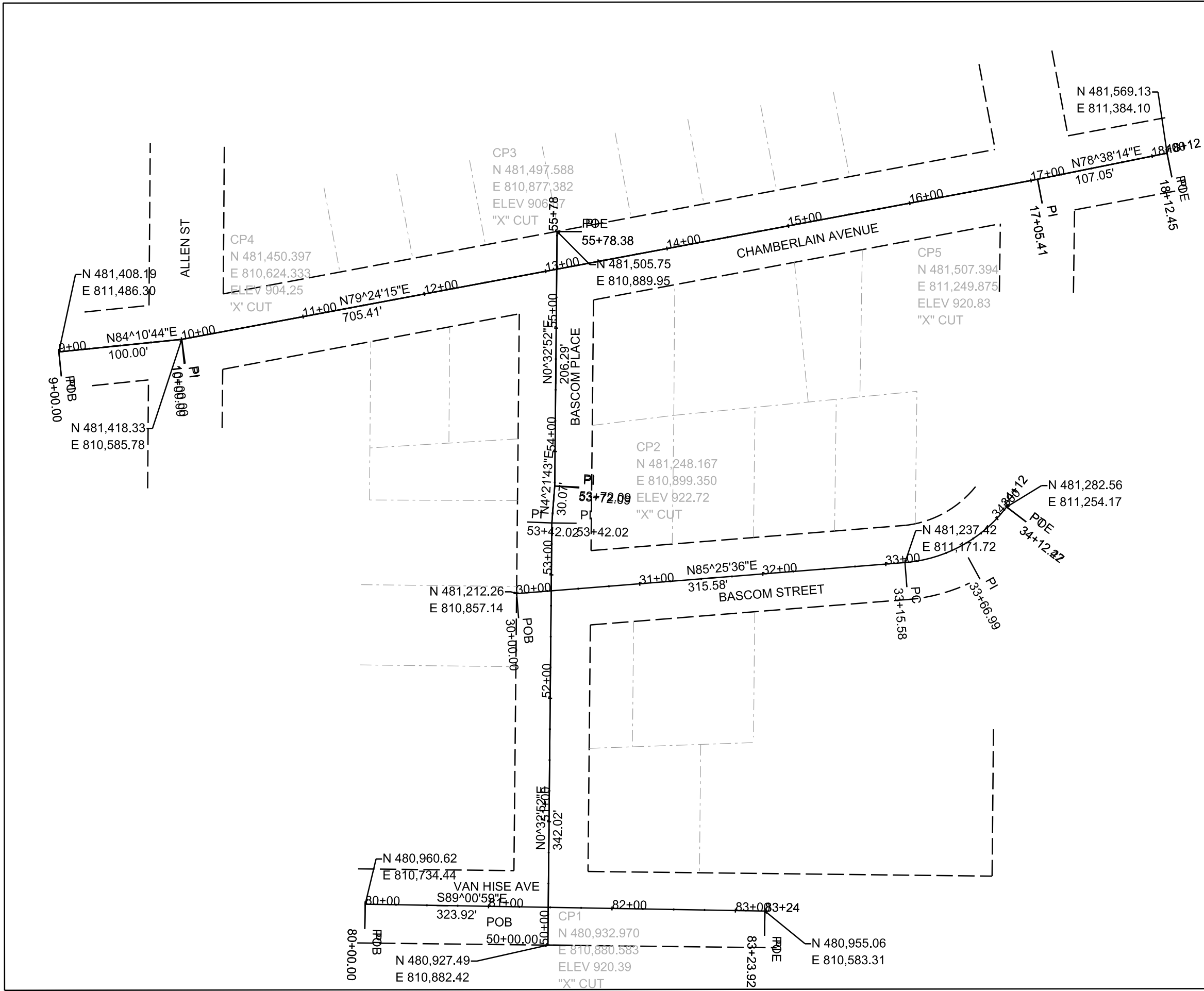


PLOT SCALE:

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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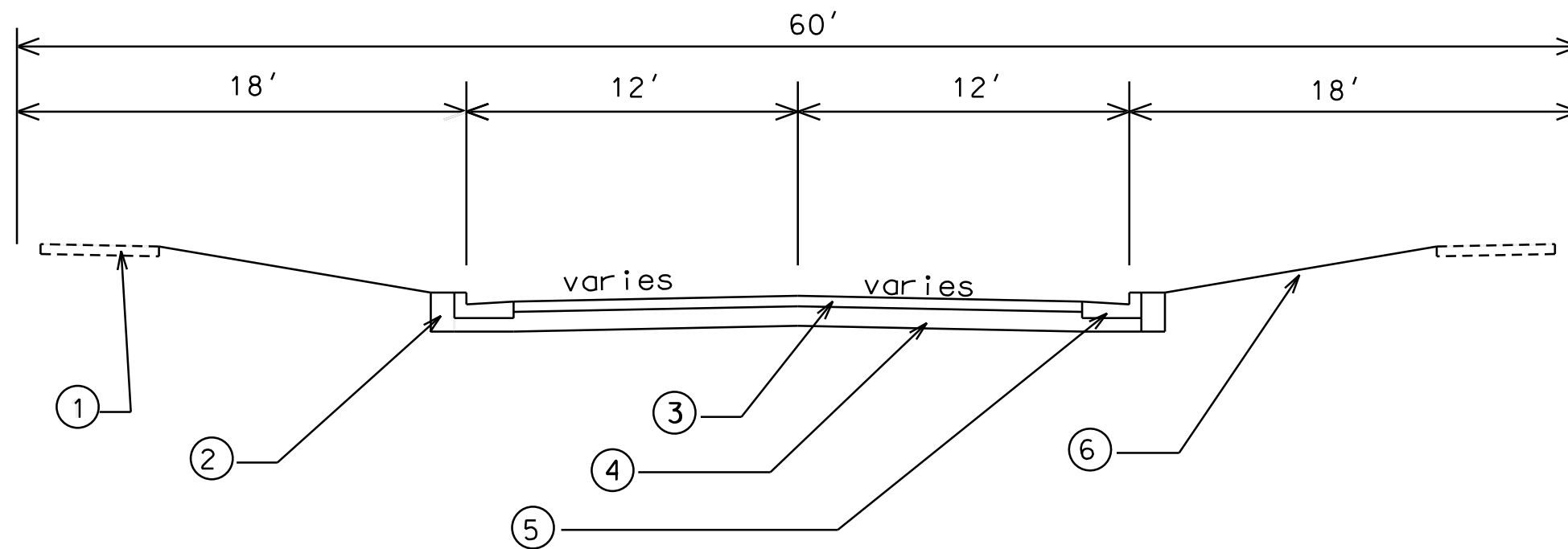
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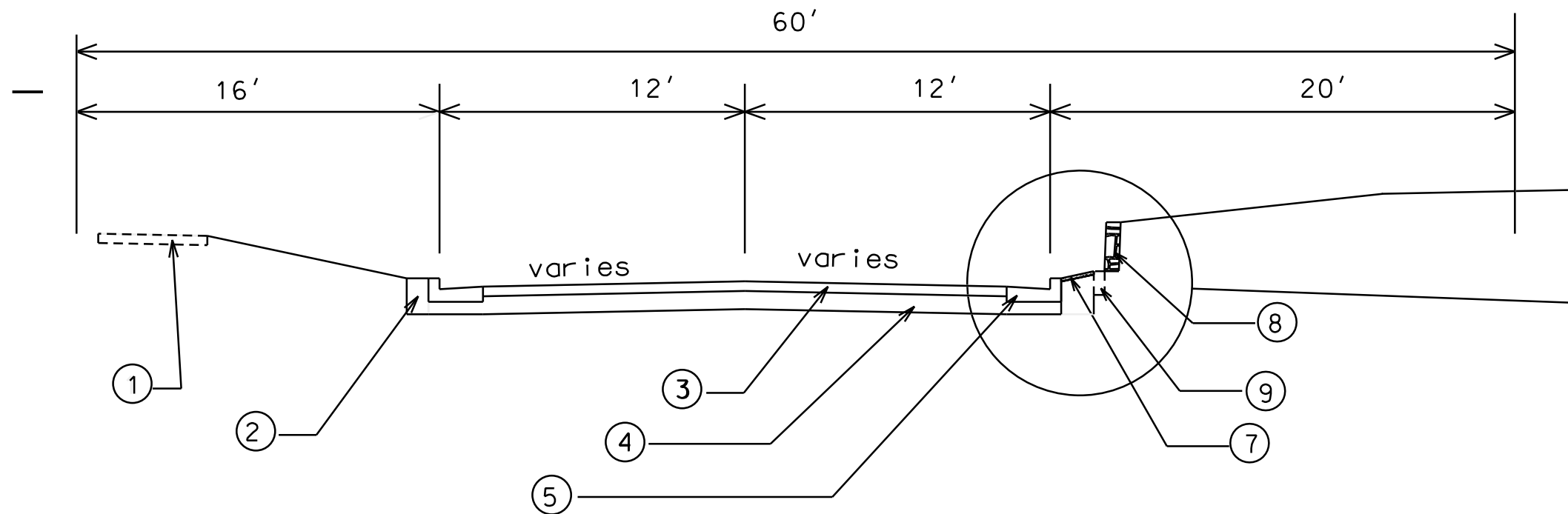
TYPICAL SECTIONS

Bascom Pl, Bascom St,
Chamberlain Ave Recon, CITY OF MADISON

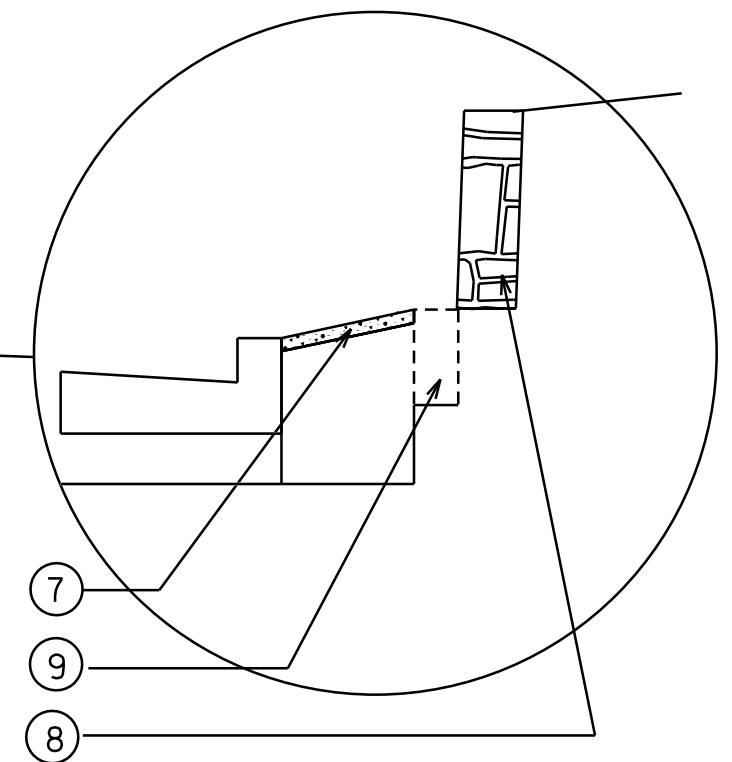


BASCOM PLACE
(Sta 53+72 - Sta 55+37)
BASCOM STREET
CHAMBERLAIN AVENUE

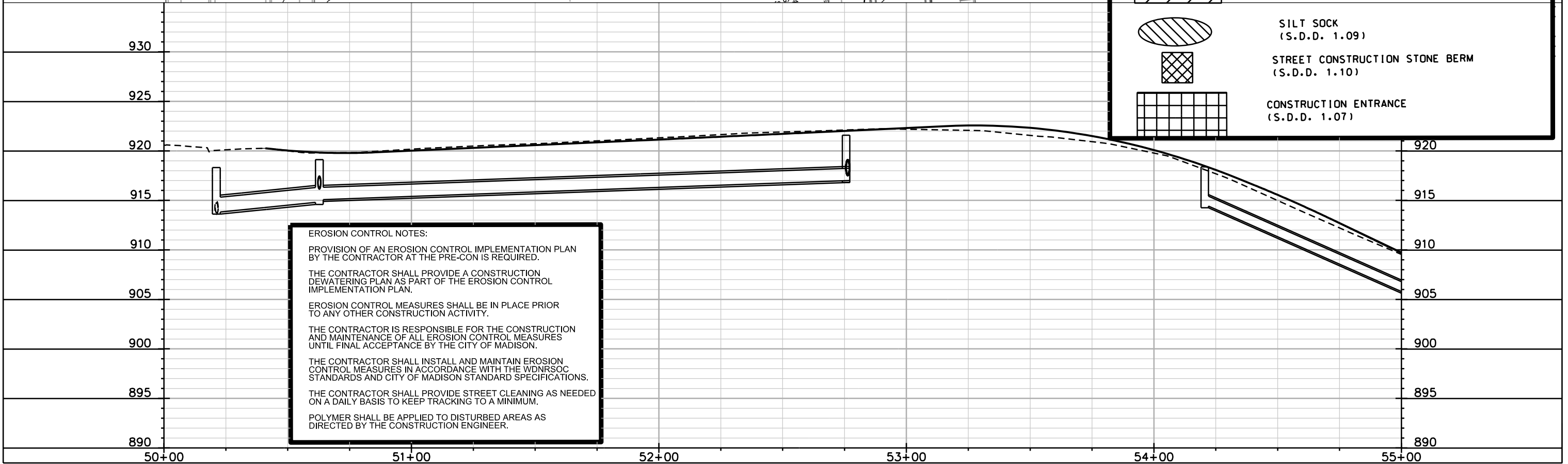
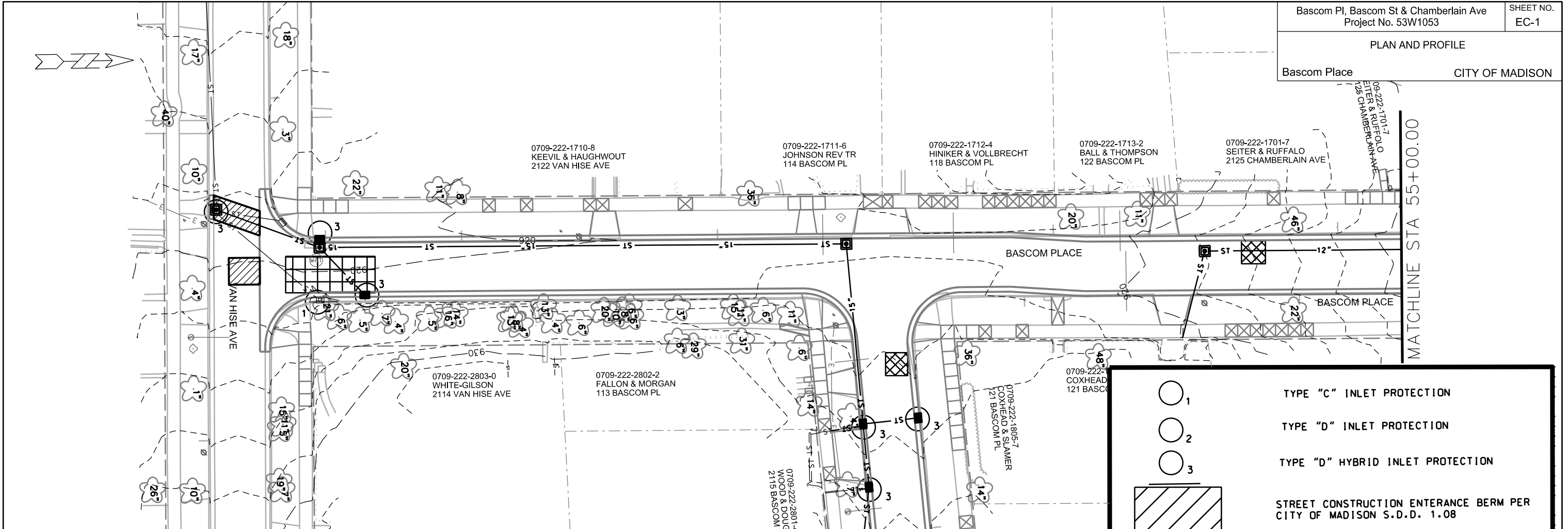
- ① EX. 5" CONC. SW
- ② FILL
- ③ 3-1/2" HMA PAV'T TYPE 0.3
- ④ 4" C.A.B.C.GR. 2
6" C.A.B.C.GR. 1
- ⑤ TYPE A CONC. C&G
- ⑥ 4" TOPSOIL, SEED & MATTING
- ⑦ 5" CONCRETE SIDEWALK
- ⑧ EXISTING STONE RETAINING WALL
- ⑨ EXISTING CURB HEAD, TO REMAIN



BASCOM PLACE
(Sta 50+38 - Sta 53+42)



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



EROSION CONTROL NOTES:

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.

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.

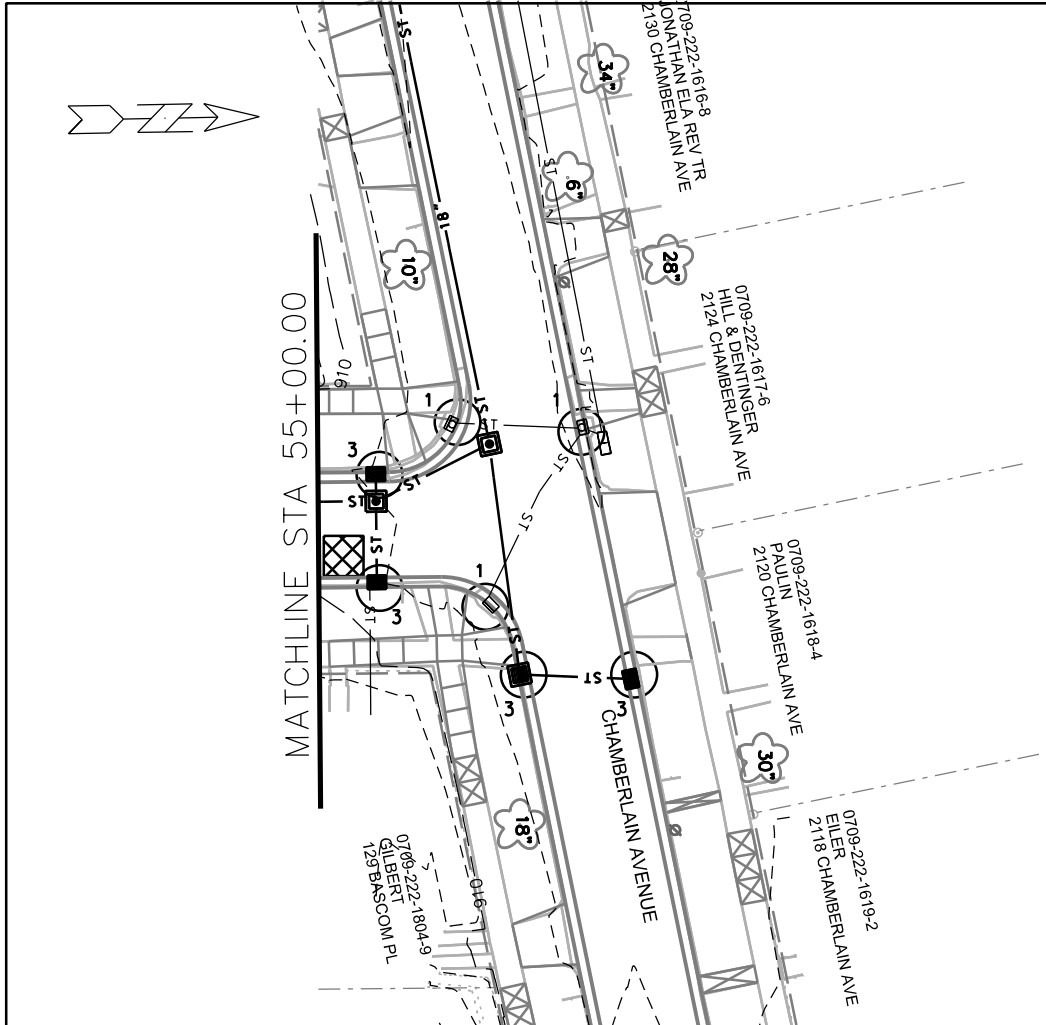
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

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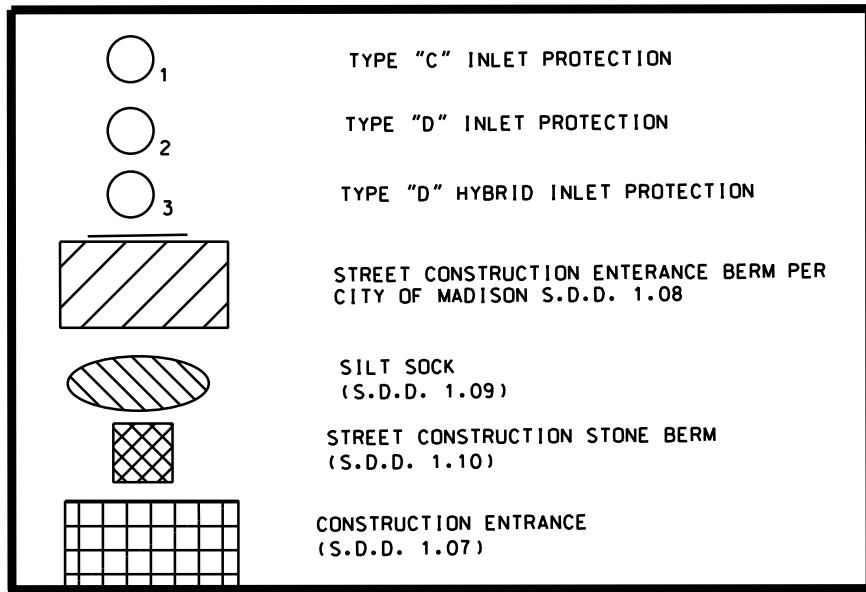
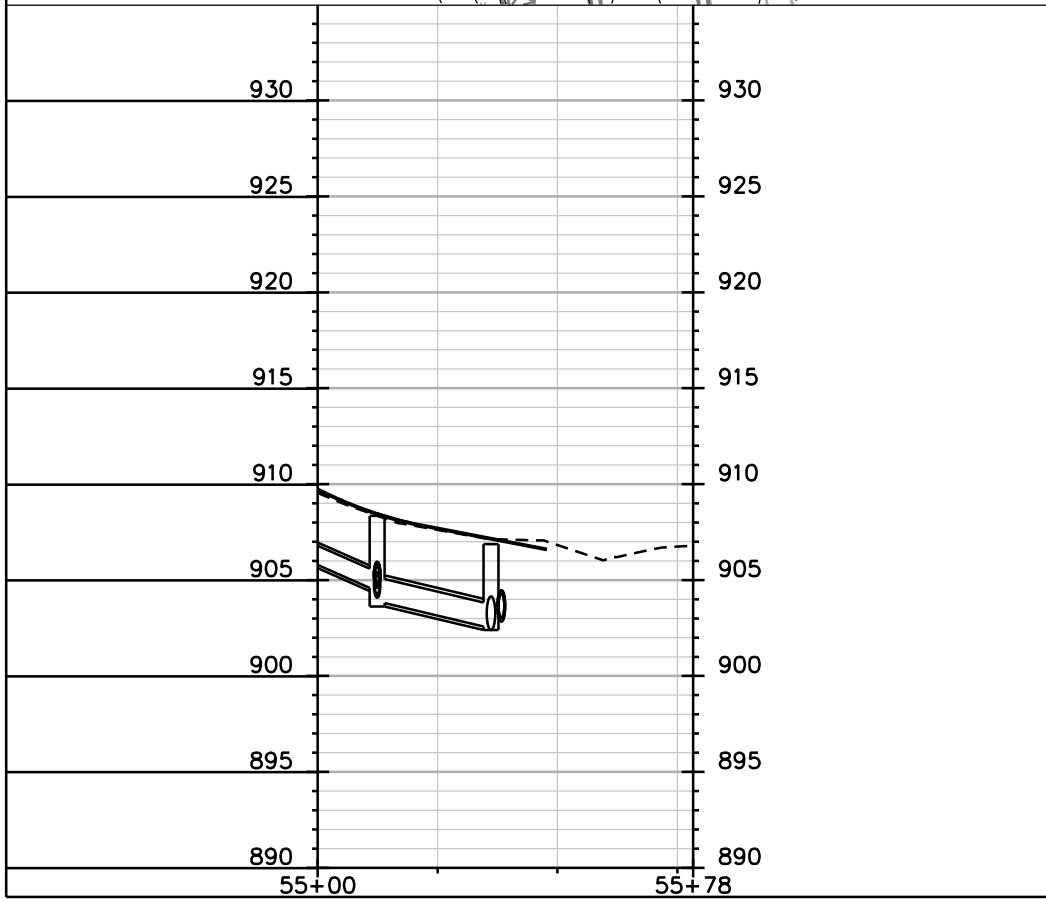
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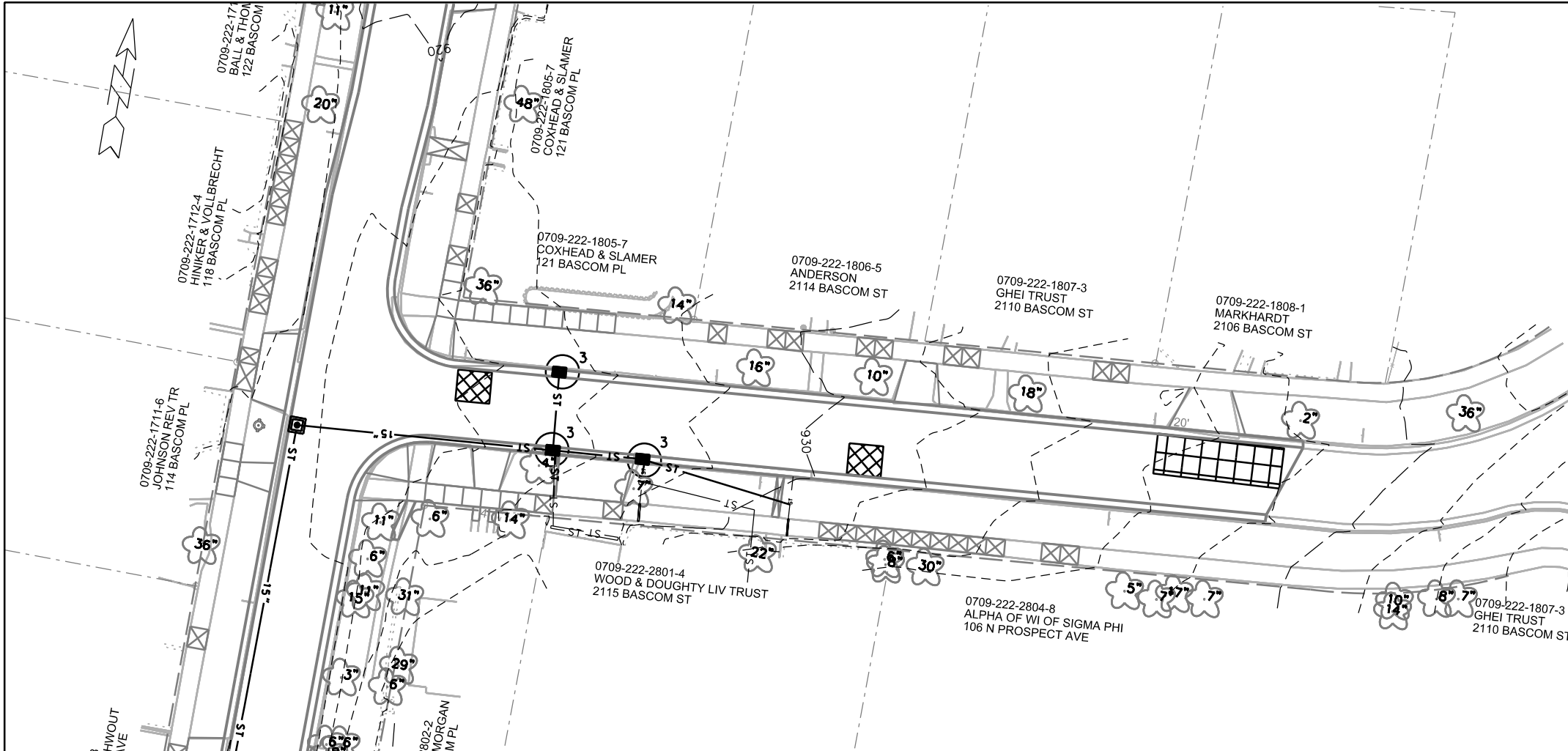


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



	TYPE "C" INLET PROTECTION
	TYPE "D" INLET PROTECTION
	TYPE "D" HYBRID INLET PROTECTION
	STREET CONSTRUCTION ENTRANCE BERM PER CITY OF MADISON S.D.D. 1.08
	SILT SOCK (S.D.D. 1.09)
	STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)
	CONSTRUCTION ENTRANCE (S.D.D. 1.07)



EROSION CONTROL NOTES:

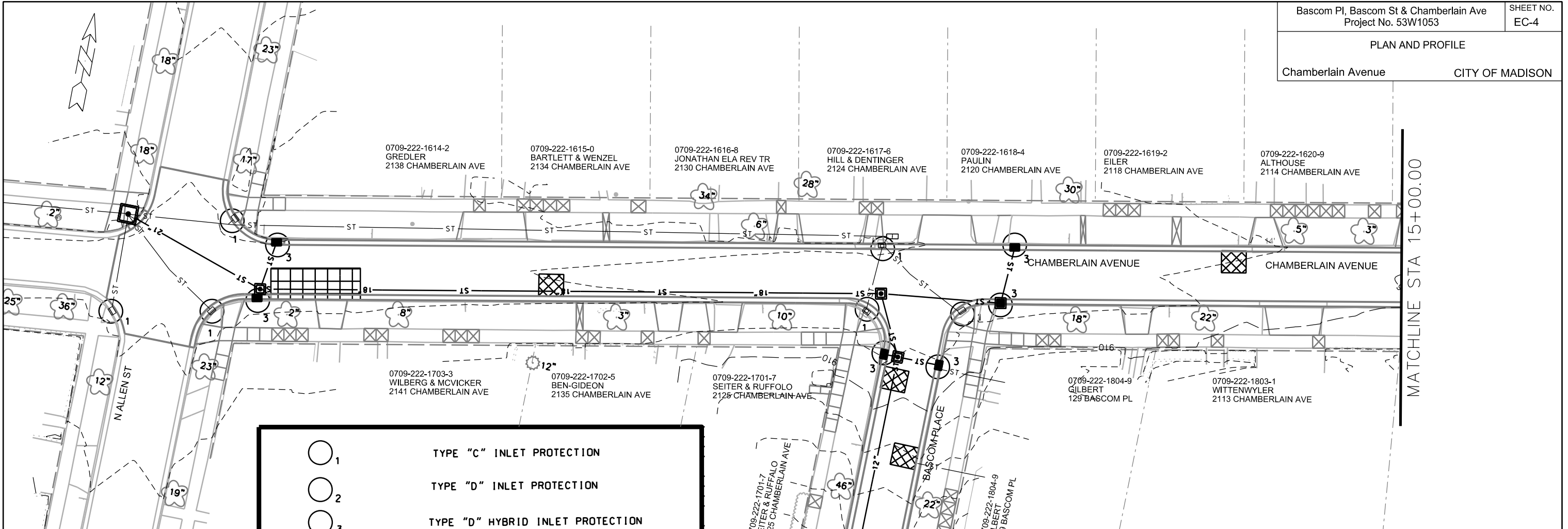
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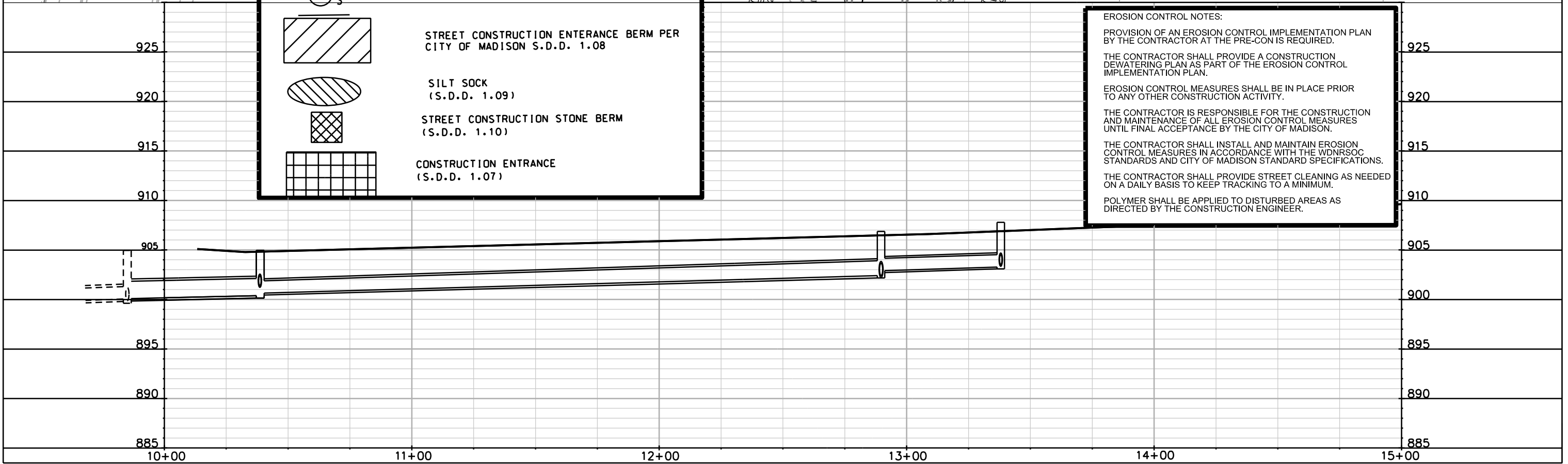
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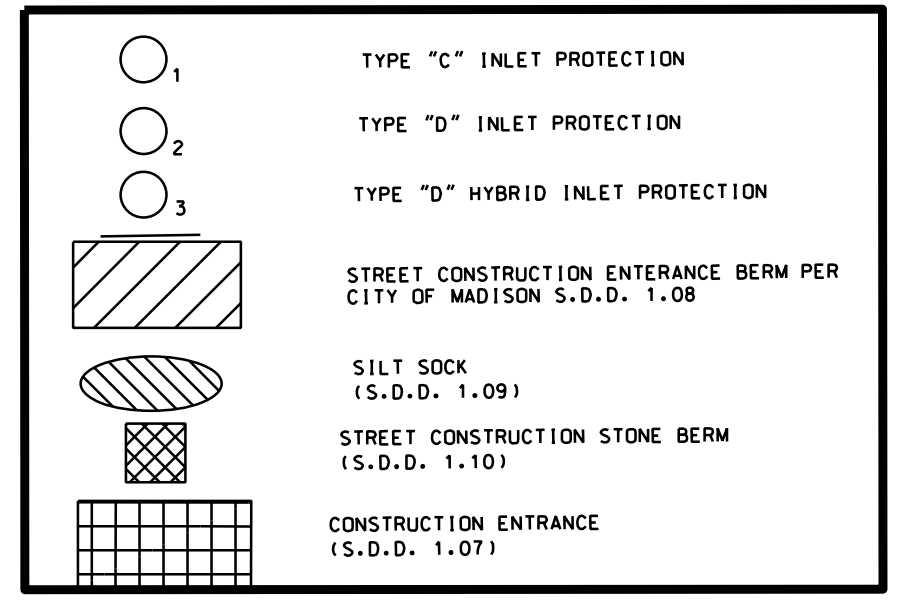
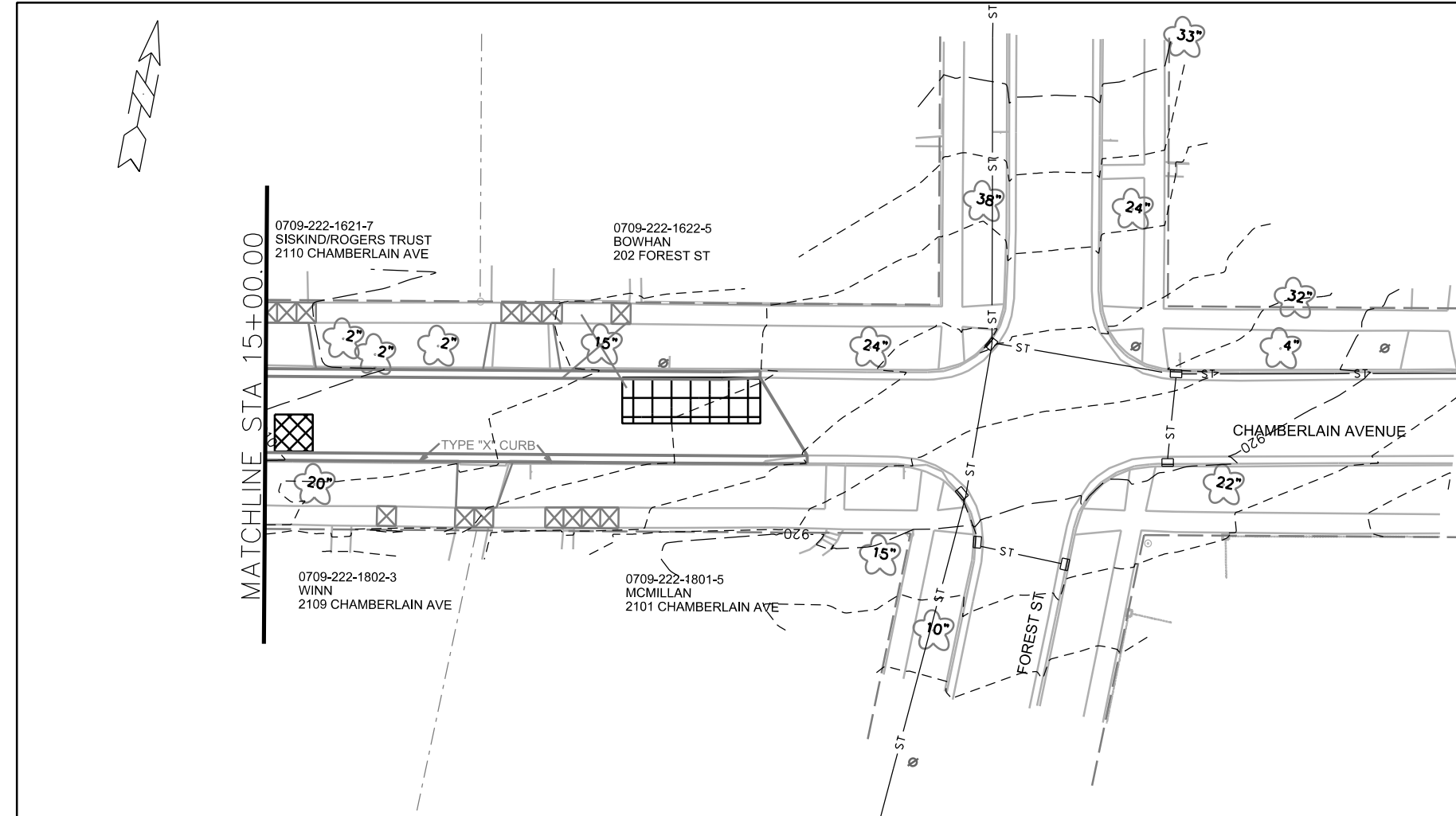


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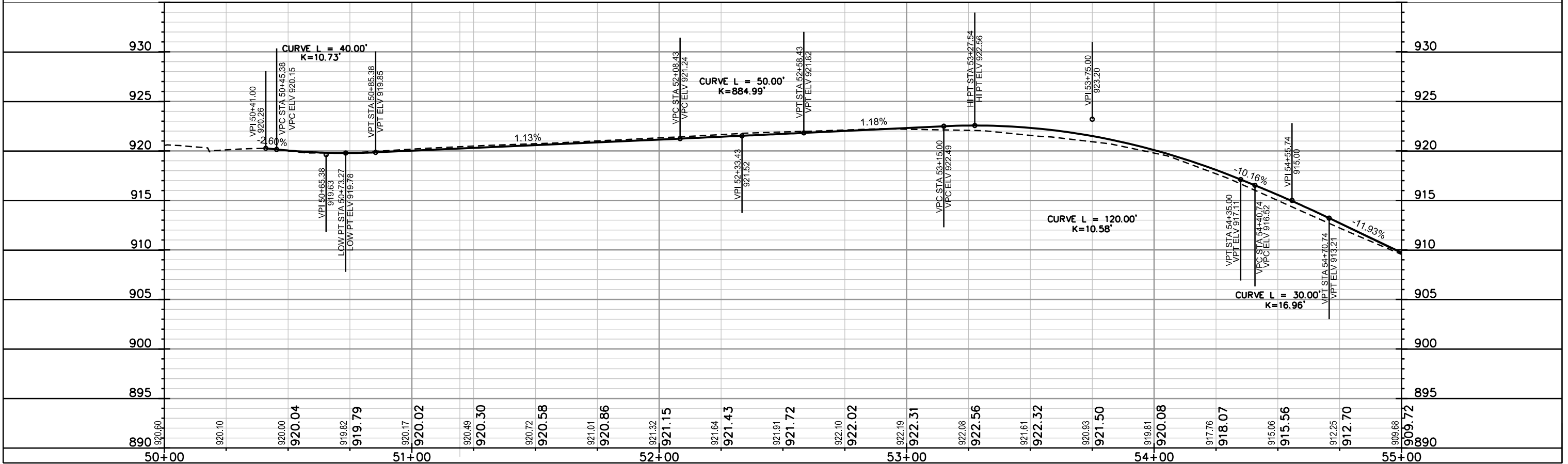
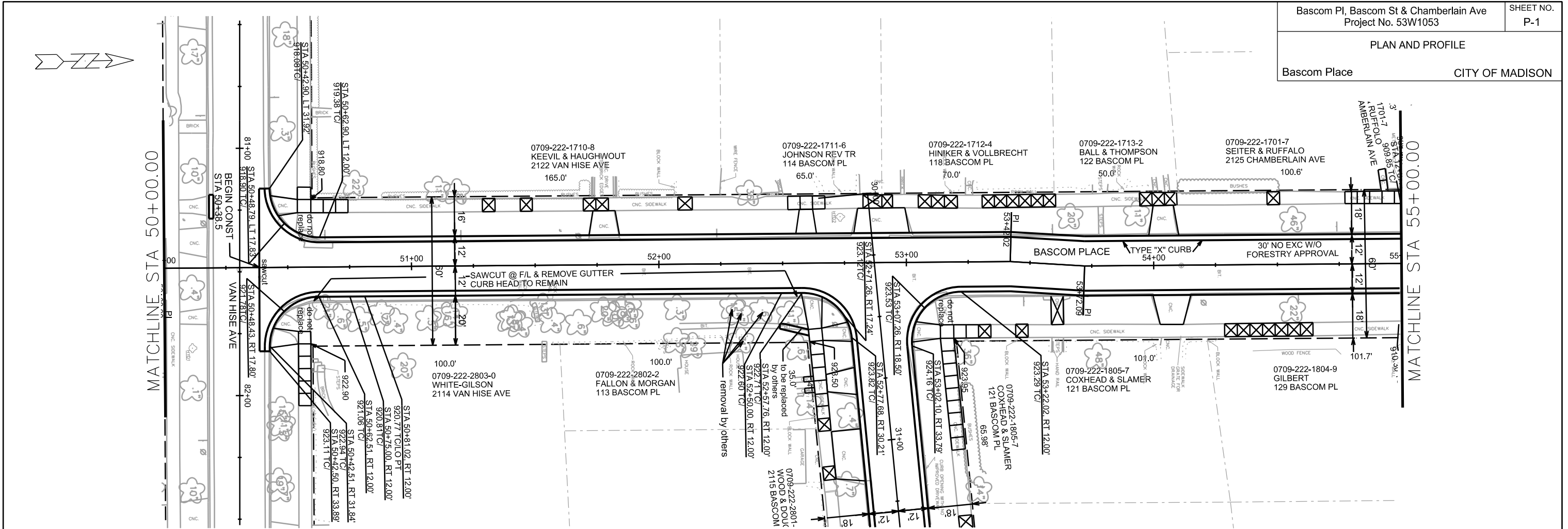
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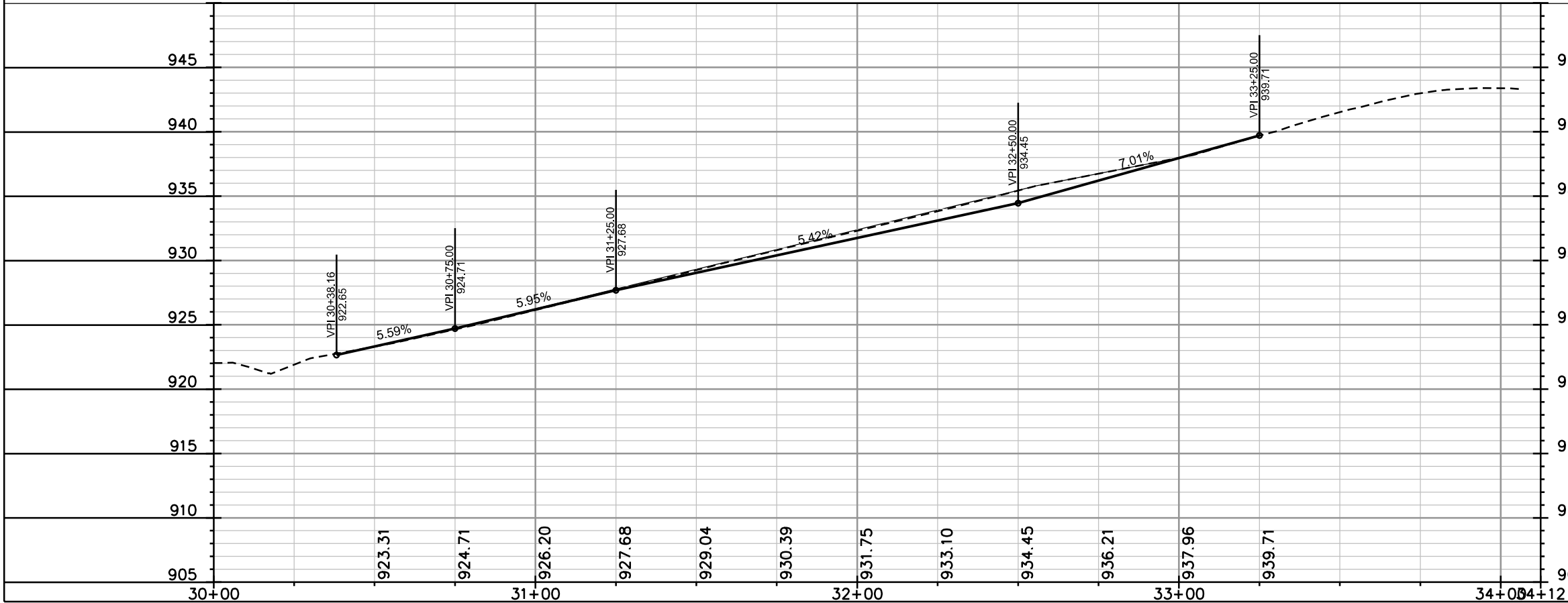
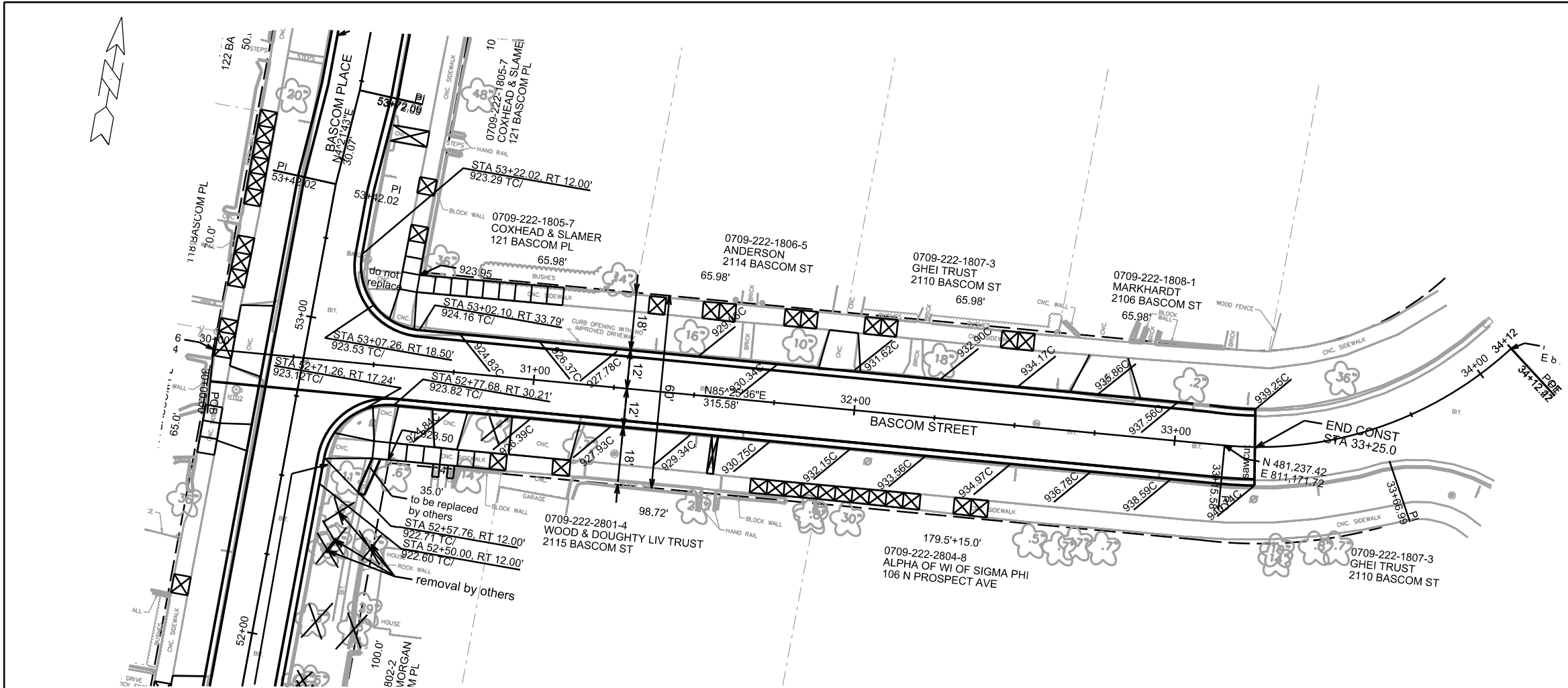
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. DATE:

PLOT NAME:

PLOT SCALE:

REV 4/8/15 LKH
ALL C/L AND CURB GRADES
HAVE BEEN REVISED

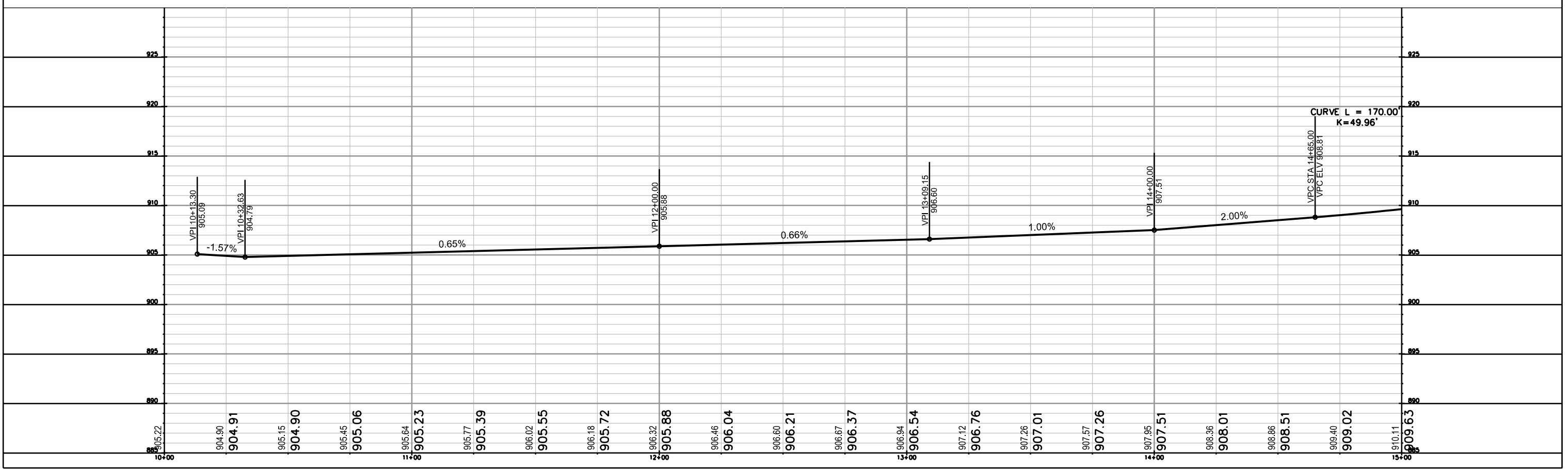
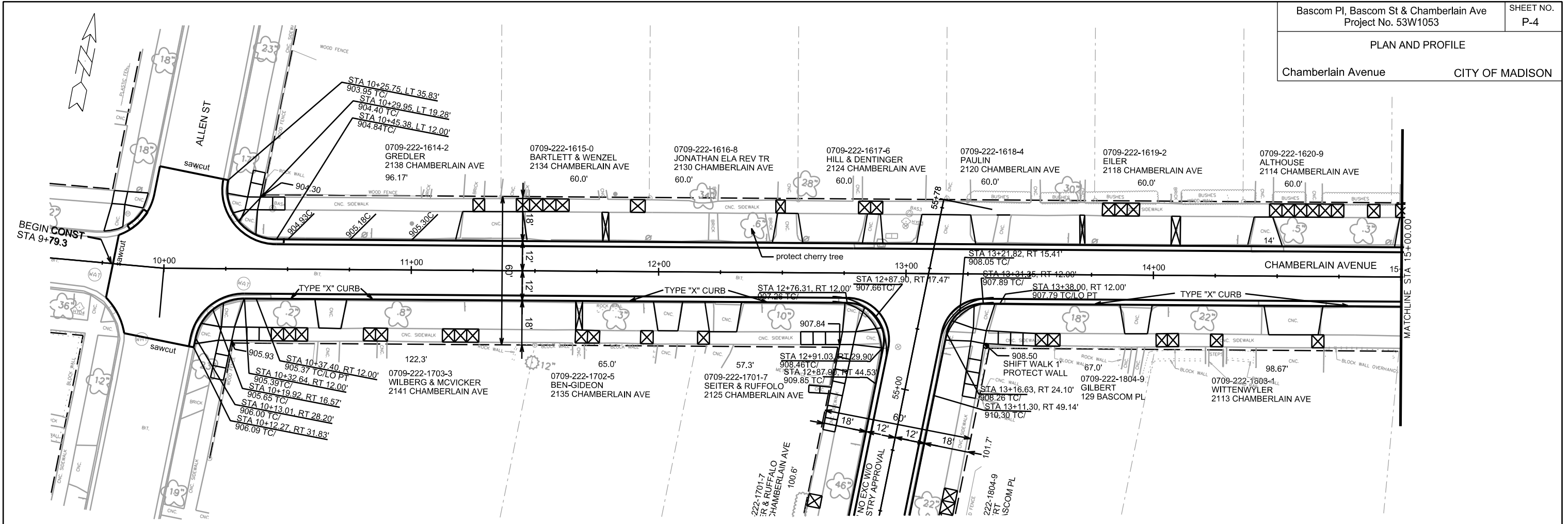


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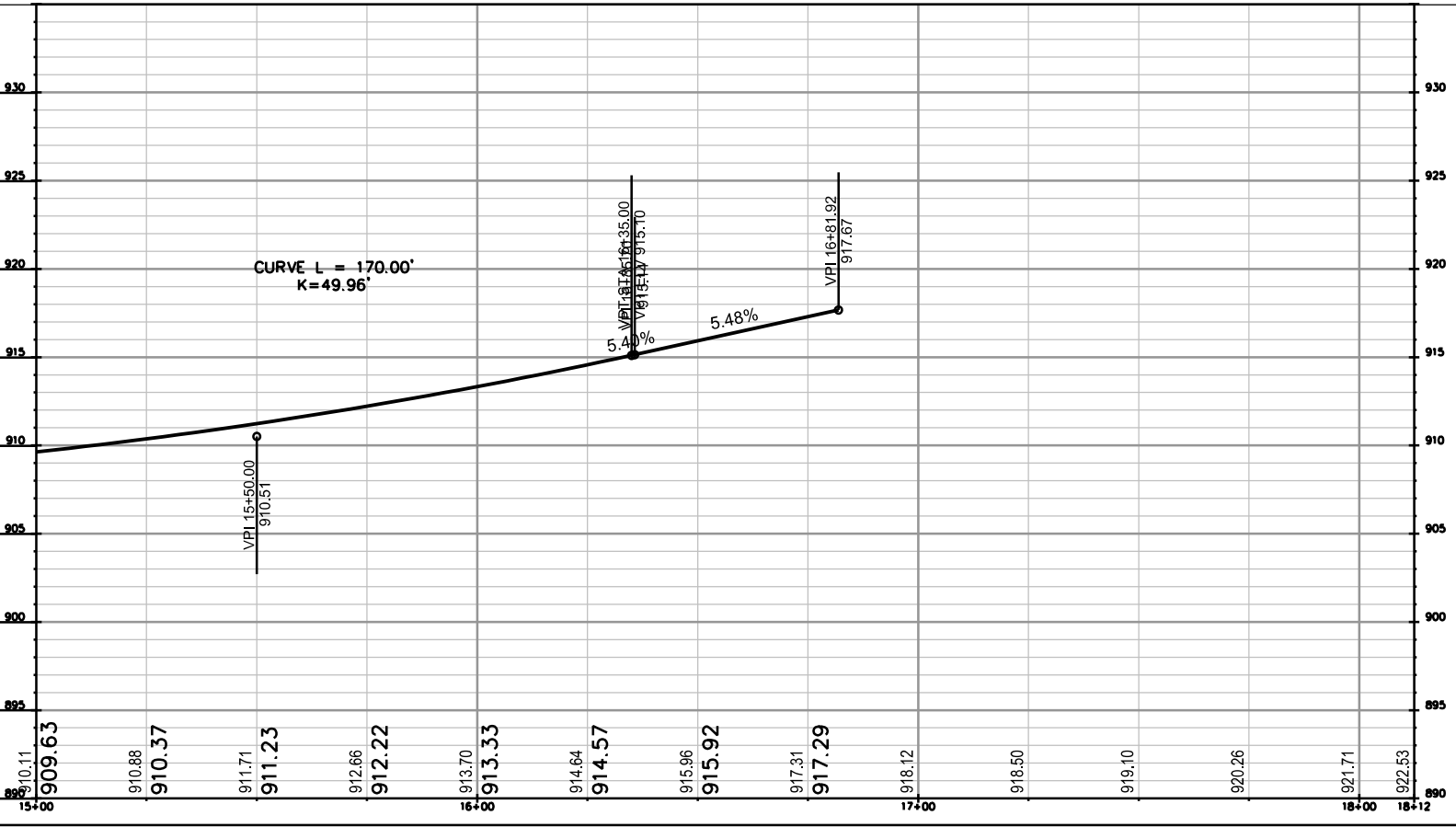
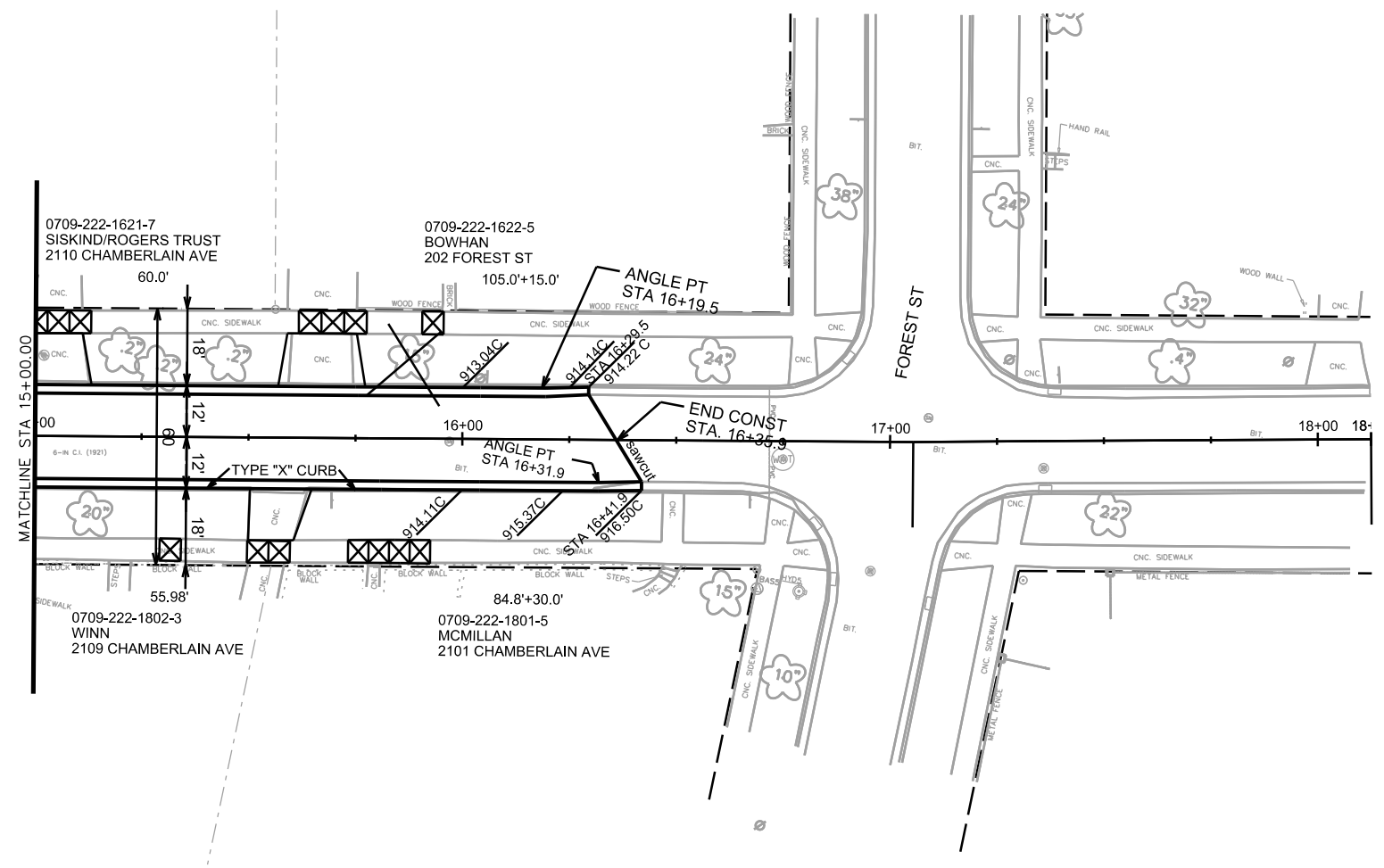
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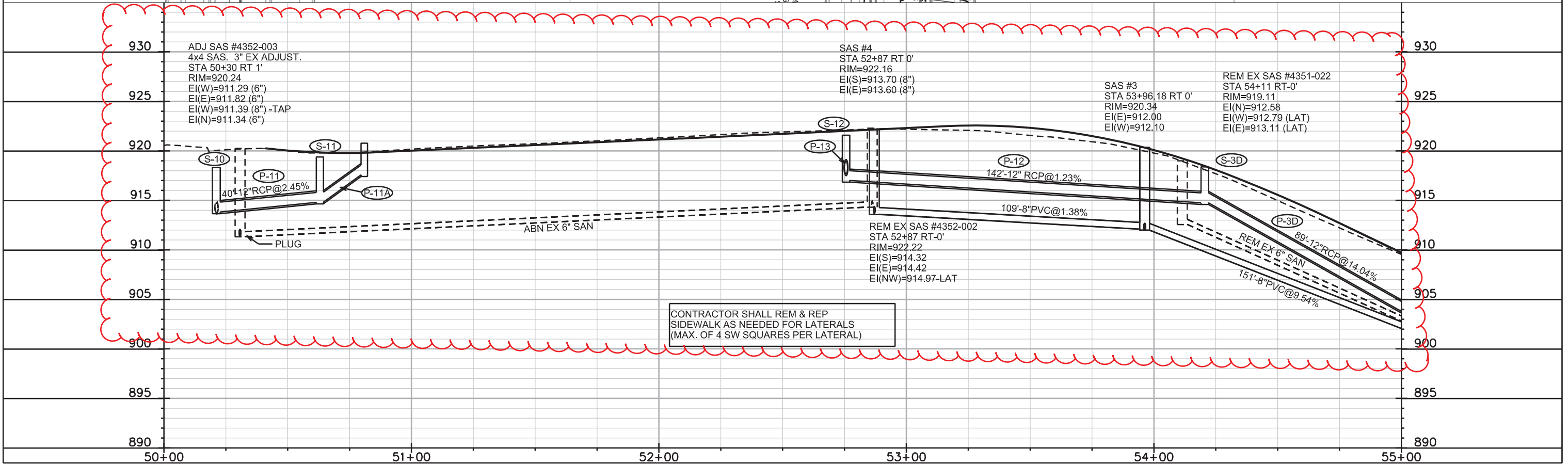
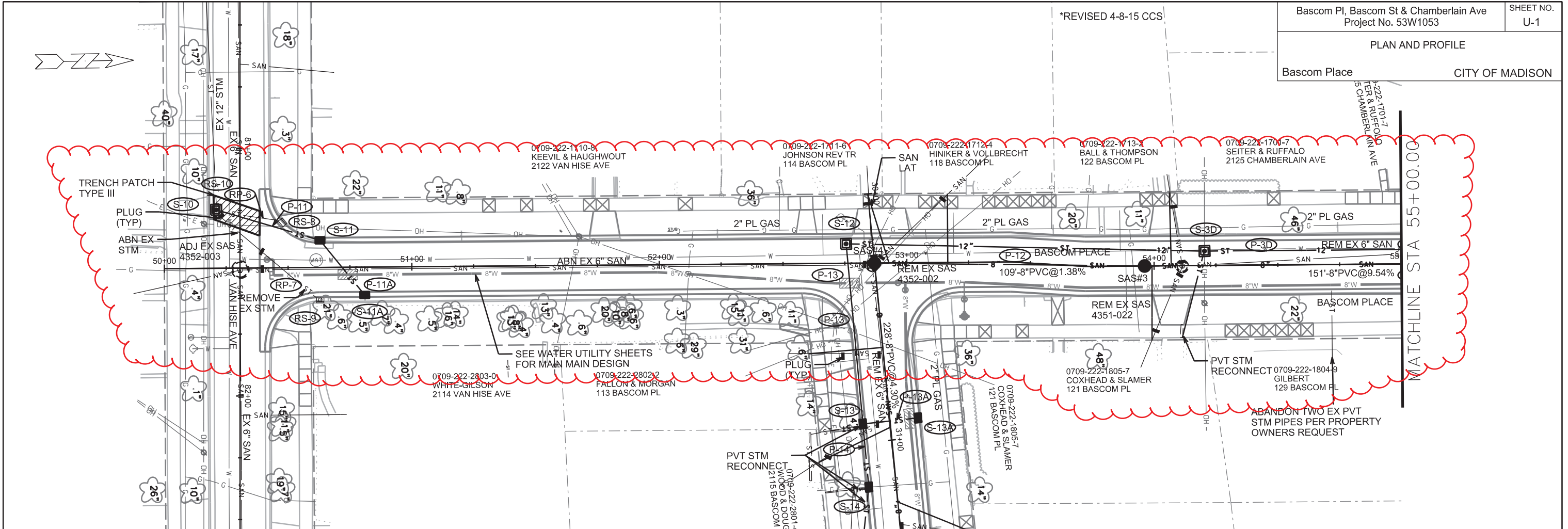
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*REVISED 4-8-15 CCS

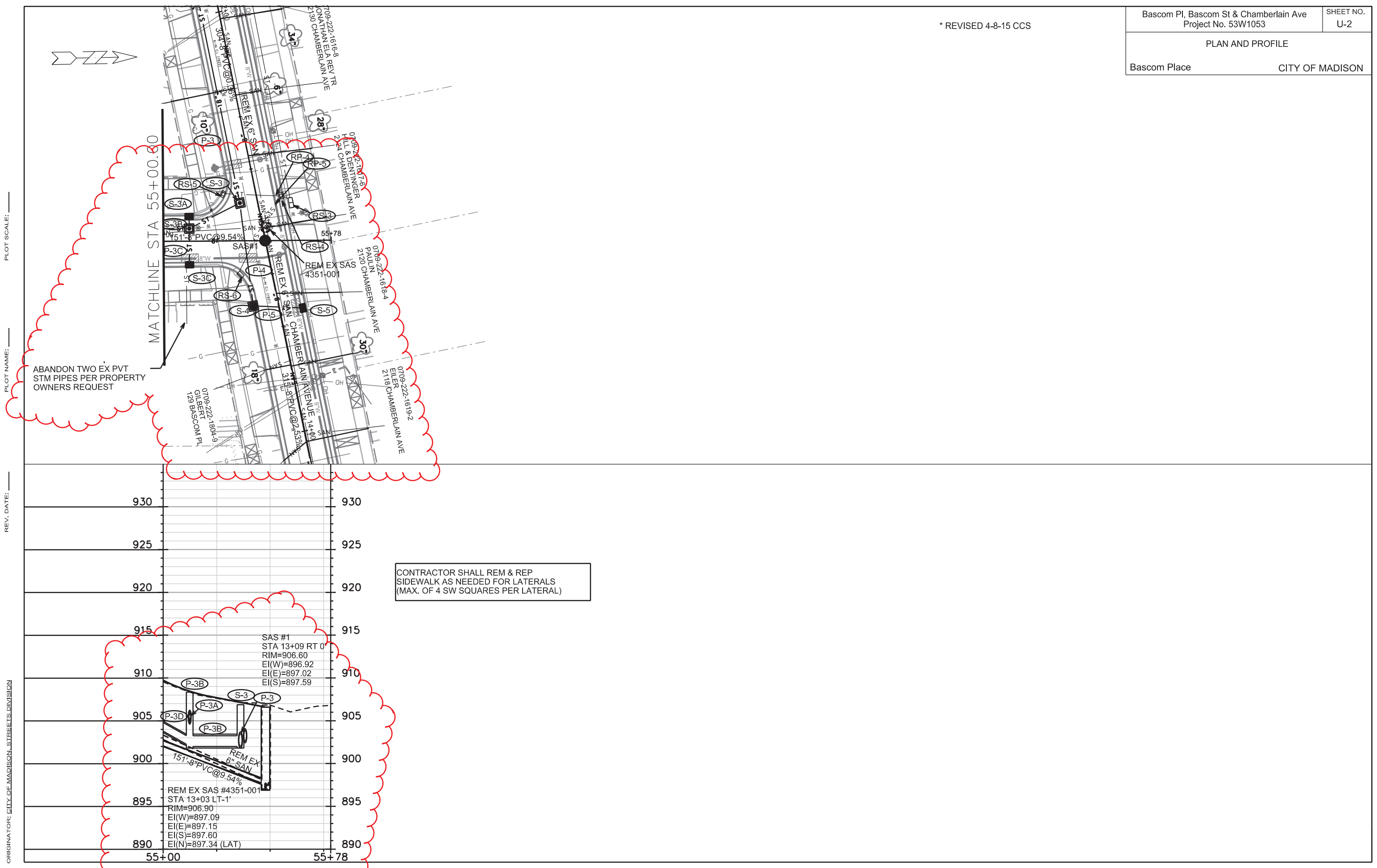


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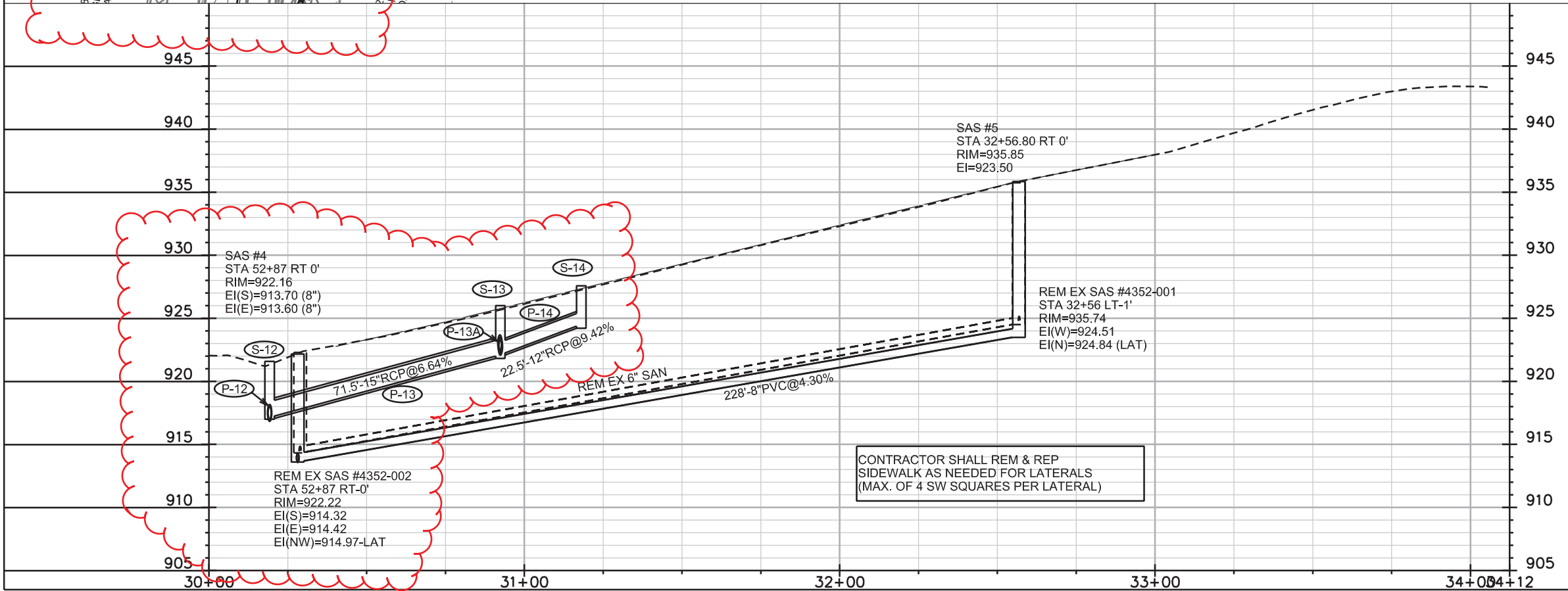
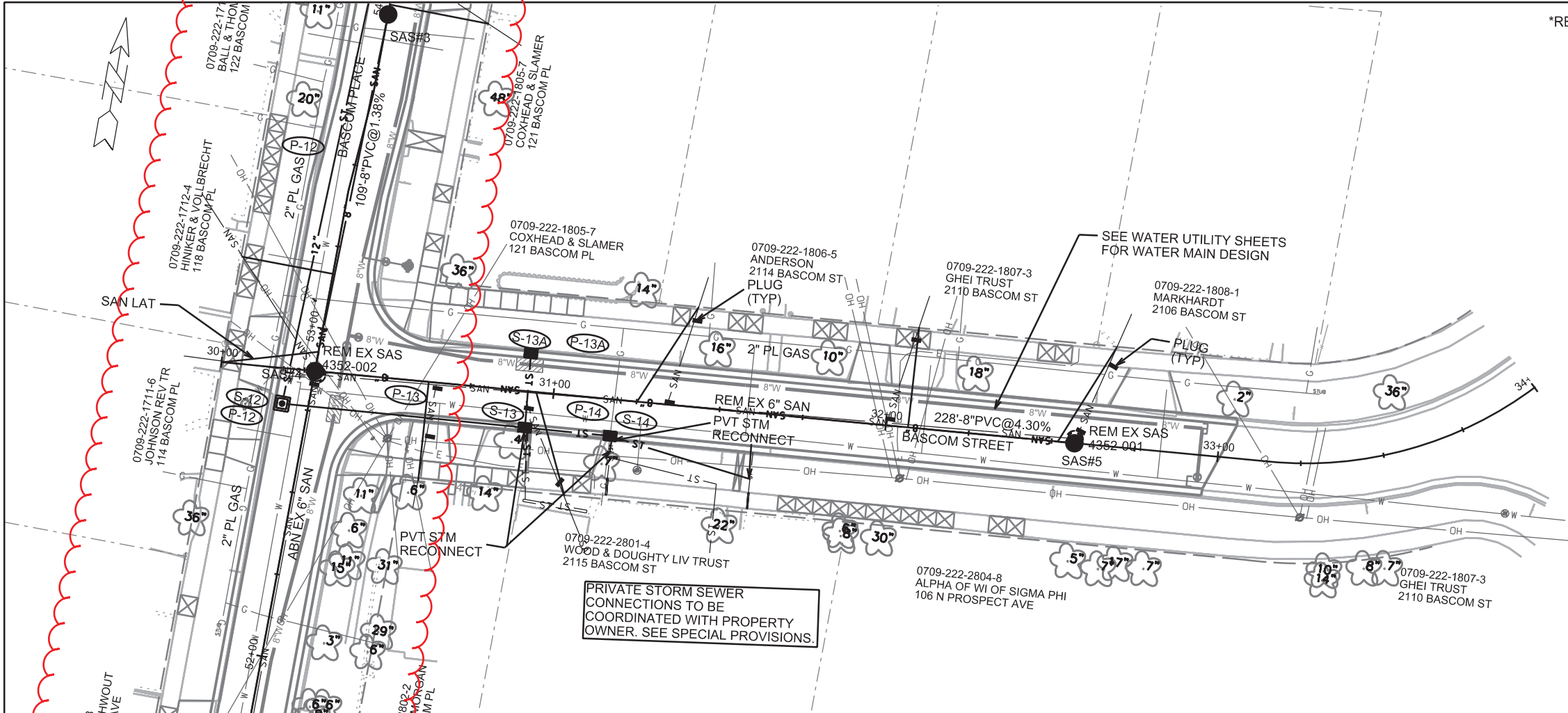
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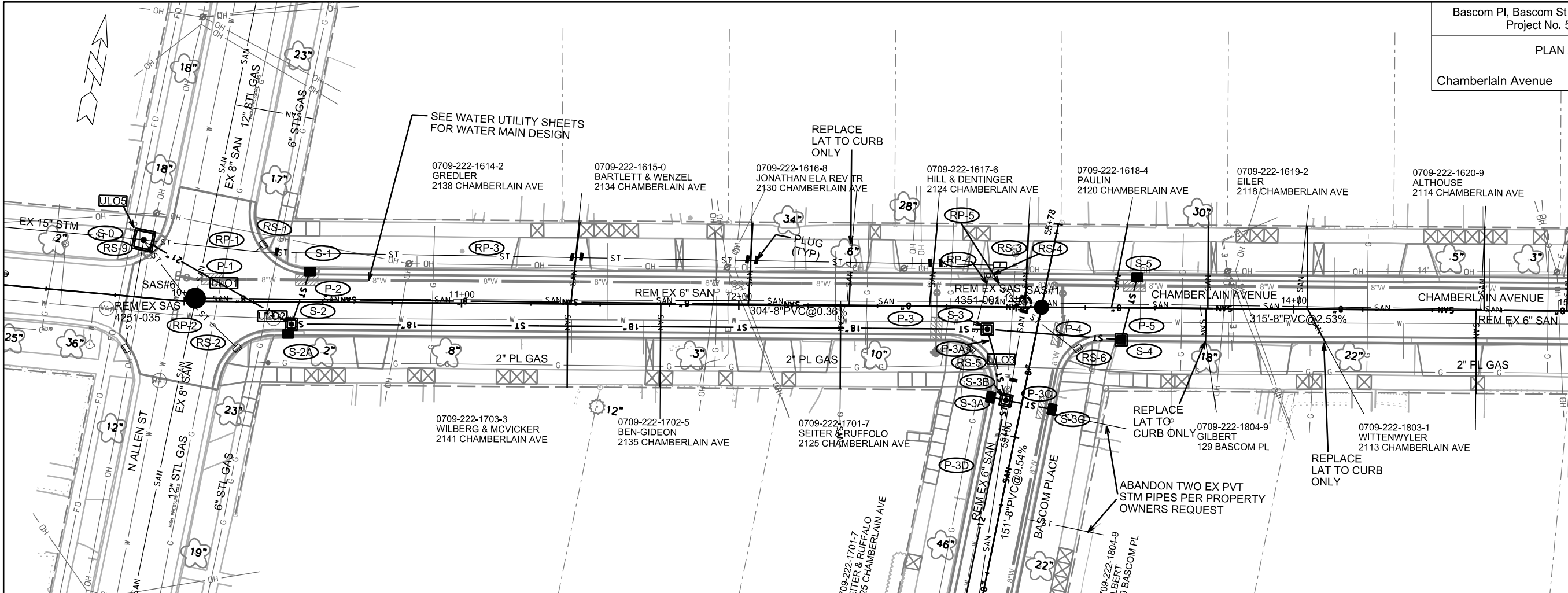
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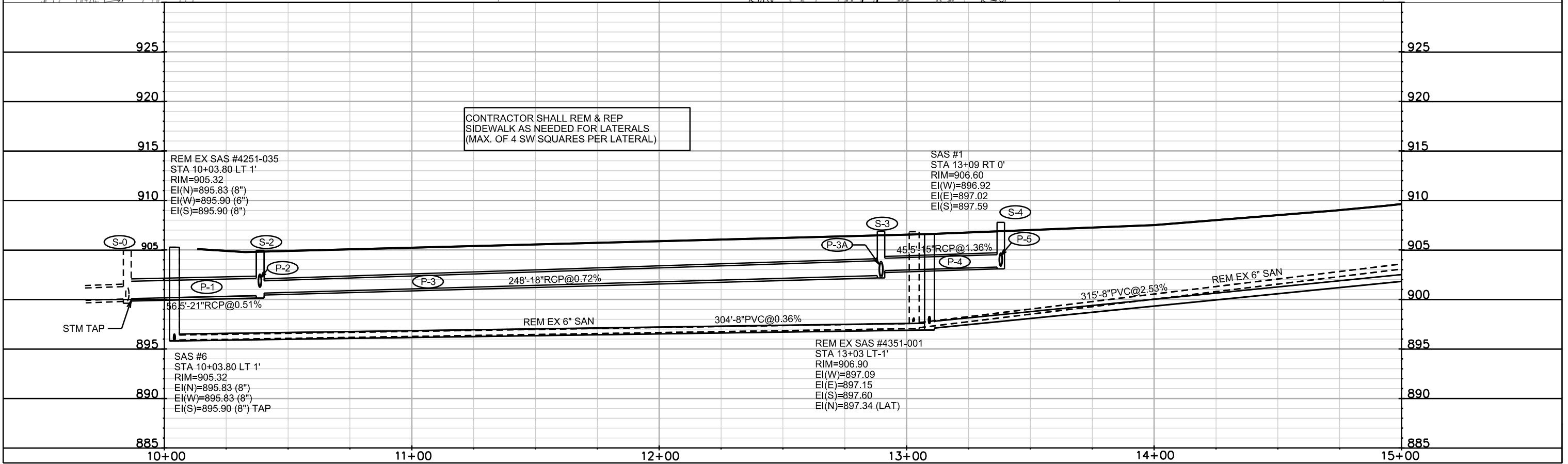
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MATCHLINE STA 15+00.00



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

REM EX SAS #4251-035
 STA 10+03.80 LT 1'
 RIM=905.32
 EI(N)=895.83 (8")
 EI(W)=895.90 (6")
 EI(S)=895.90 (8")

SAS #1
 STA 13+09 RT 0'
 RIM=906.60
 EI(W)=896.92
 EI(E)=897.02
 EI(S)=897.59

SAS #6
 STA 10+03.80 LT 1'
 RIM=905.32
 EI(N)=895.83 (8")
 EI(W)=895.83 (8")
 EI(S)=895.90 (8") TAP

REM EX SAS #4351-001
 STA 13+03 LT-1'
 RIM=906.90
 EI(W)=897.09
 EI(E)=897.15
 EI(S)=897.60
 EI(N)=897.34 (LAT)

PLOT SCALE: _____
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SANITARY SEWER SCHEDULE

SANITARY SEWER SCHEDULE CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
CHAMBERLAIN AVE						
* SAS #6	10+03.80	LT-1.00	905.32	895.83	SAS #9	
SAS #1	13+09.00	RT-0'	906.60	896.92	9.68	
SAS #2	16+25.00	RT-0'	914.57	905.00	9.57	
BASCOM PL						
SAS #3	53+96.18	RT-0'	920.34	912.00	8.34	
SAS #4	52+87.00	RT-0'	922.16	913.60	8.56	
* 4352-003	50+30.50	LT-1.00	920.24	911.29	8.95	EX SAS
BASCOM ST						
SAS #5	32+56.80	RT-0'	935.85	923.50	12.35	

PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
* 4251-035	SAS #1	304	895.83	896.92	0.36%	8"	SDR 35	TAP; RECONSTRUCT BENCH AND FL
SAS #1	SAS #2	315	897.02	905.00	2.53%	8"	SDR 35	
SAS #1	SAS #3	151	897.59	912.00	9.54%	8"	SDR 35	
* SAS #3	SAS #4	109	912.10	913.60	1.38%	8"	SDR 35	
SAS #4	SAS #5	228	913.70	923.50	4.30%	8"	SDR 35	

SANITARY STRUCTURE REMOVALS

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP CASTING	EX EI	DEPTH	NOTES
4351-001	13+03.00	LT-1.00	906.90	897.09	9.81	REMOVE
4351-002	15+98.00	RT-0'	913.69	905.95	7.74	REMOVE
4351-022	54+11.00	RT-0'	919.11	912.58	6.53	REMOVE
4352-002	52+87.00	RT-0'	922.22	914.32	7.90	REMOVE
4352-001	32+56.00	LT-1.00	935.74	924.51	11.23	REMOVE
4351-010	16+25.00	RT-0'	914.50	907.00	7.50	REMOVE STANDPIPE
* 4251-035	10+03.80	LT-1.00	905.32	895.83	9.49	REMOVE

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE (DIA)	NOTES
4251-035	4351-001	299	N	6"	REMOVE
4351-001	4351-002	293	N	6"	REMOVE
4351-001	4351-022	137	N	6"	REMOVE/ABANDON WITH PLUGS PER PLAN
* 4352-003	4352-002	254	N	6"	ABANDON WITH PLUGS
4352-002	4352-001	227	N	6"	REMOVE
4351-002	STANDPIPE	24	N	6"	REMOVE

SANITARY STRUCTURE ADJUSTMENTS

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP CASTING	PROP TOC	ADJUST AMOUNT (FT)	AVAILABLE ADJUSTMENT (IN)
4352-003	50+30.50	RT-1.00	920.24	920.24	0.00	3
* 4251-035	10+03.80	LT-1.00	905.32	905.32	0.00	20

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

ORIGINATOR: CITY OF MADISON STREETS DIVISION

STORM SEWER SCHEDULE

* REVISED 4-8-15

BASCOM/CHAMBERLAIN
PROJECT NO. 53W1053

SHEET NO.
U-7

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
CHAMBERLAIN AVE							
S-0	9+86.12	LT-19.52	6X6 CB	904.18	900.08	4.10	FP; (2)
S-1	10+45.38	LT-11.50	H INLET	904.84	901.64	3.20	W/3067-7004-V
S-2	10+37.40	RT-8.00	3X3 SAS	904.95	901.50	3.45	FP; W/1550-0054-OPEN
S-2A	10+37.40	RT-11.50	H INLET	905.37	902.17	3.20	LP; W/3067-7004-VB
S-3	12+89.73	RT-8.00	3X3 SAS	906.87	902.00	4.87	W/1550-0054-OPEN
S-4	13+38.00	RT-11.50	3X3 SAS	907.79	903.27	4.52	LP; W/3067-7004-VB
S-5	13+43.60	LT-11.50	H INLET	906.83	903.63	3.20	W/3067-7004-V
BASCOM PL							
S-3A	55+12.50	LT-11.50	H INLET	908.69	905.49	3.20	W/3067-7004-V
S-3B	55+12.50	LT-6.00	3X3 SAS	908.35	902.00	6.35	W/3067-7004-V
S-3C	55+12.50	RT-11.50	H INLET	909.20	906.00	3.20	W/3067-7004-V
S-3D	54+20.30	LT-6.00	3X3 SAS	918.38	914.75	3.63	(1); W/3067-7004-V
S-10	51+21.00	LT-23.75	3X3 SAS	918.32	913.82	4.50	W/1550-0054-OPEN
S-11	50+62.90	RT-8.00	3X3 SAS	919.12	914.80	4.32	FP; W/1550-0054-OPEN
S-11A	50+81.02	RT-11.50	H INLET	920.77	917.57	3.20	W/3067-7004-V
S-11	50+62.90	LT-11.50	H INLET	919.38	915.55	3.83	W/3067-7004-V
S-12	52+75.65	LT-8.00	3X3 SAS	921.58	916.50	5.08	W/1550-0054-OPEN
BASCOM ST							
S-13	30+93.00	RT-11.50	H INLET	926.00	922.00	4.00	FP; (1); W/3067-7004-V
S-13A	30+93.00	LT-11.50	H INLET	926.00	922.80	3.20	W/3067-7004-V
S-14	31+18.70	RT-11.50	H INLET	927.57	924.37	3.20	(1); W/3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	PLAN LGTH (FT)	PIPE LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
* P-1	S-0	S-2	59	54.0	900.33	901.50	2.17%	18"	RCP	STM TAP
* P-2	S-2	S-1	20	17.5	901.50	901.64	0.80%	12"	RCP	
* P-2A	S-2	S-2A	4	1.0	902.10	902.17	7.00%	12"	RCP	NCM
* P-3	S-2	S-3	251	248.0	901.50	902.00	0.20%	18"	RCP	
* P-4	S-3	S-4	49	45.5	902.25	903.27	2.24%	15"	RCP	
P-5	S-4	S-5	23	21.5	903.52	903.63	0.51%	12"	RCP	
P-3A	S-3B	S-3A	6	3.0	905.25	905.49	8.00%	12"	RCP	NCM
* P-3B	S-3	S-3B	27	23.0	902.00	902.00	0.00%	18"	RCP	
P-3C	S-3B	S-3C	17	14.5	904.25	906.00	12.07%	12"	RCP	
* P-3D	S-3B	S-3D	92	89.0	902.25	914.75	14.04%	12"	RCP	
* P-11	S-10	S-11	43	40.0	913.82	914.80	2.45%	12"	RCP	STM TAP
* P-11A	S-11	S-11A	29	26.0	914.80	917.57	10.65%	12"	RCP	
* P-11B	S-11	S-11B	3.50	1.00	916.10	#N/A	#N/A	12"	RCP	NCM
* P-12	S-3D	S-12	145	142.0	914.75	916.50	1.23%	12"	RCP	
P-13	S-12	S-13	73	71.5	917.25	922.00	6.64%	15"	RCP	
P-13A	S-13	S-13A	22	20.5	922.25	922.80	2.68%	12"	RCP	
P-14	S-13	S-14	26	22.5	922.25	924.37	9.42%	12"	RCP	

NOTE: PLAN 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.

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	ELEV TOP	ELEV BOTTOM	NOTES
* ULO-1	10+13.28	LT-6.00	12" HP STL GAS	899.58	898.20	STORM SEWER REVISED
* ULO-2	10+29.00	RT-3.00	6" STL GAS	900.81	900.20	STORM SEWER REVISED
* ULO-3	12+93.00	RT-22.00	2" PL GAS	904.28	904.00	STORM SEWER REVISED
* S-4	31+18.70	RT-11.50	GAS			ELIMINATED BY FIELD ENGINEER
* ULO-5	9+77.00	LT-21.00	FO	898.72		S-0 REVISED; RECONNECT EX STM
* ULO-6	53+08.00	LT-6.50	2" PL GAS	918.81	918.50	STORM SEWER REVISED

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 COREY OF CITY ENGINEERING AT (608) 266-9721 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO CSTELLJES@CITYOFMADISON.COM.

SPECIFIC NOTES

- (1) WITH TYPE II PRIVATE STORM RECONNECT
- (2) W/ 3' SUMP BELOW LISTED INVERT; ONE 3067-7004 CASTING IN CURB, 1550-0054 IN TERRACE

STORM SEWER REMOVAL SCHEDULE

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RS-1	IN 4351-002	10+28.00	LT-20.00	INLET	REMOVE
RS-2	IN 4351-003	10+19.00	RT-17.50	INLET	REMOVE
RS-3	AS 4351-030	12+93.00	LT-15.00	SAS	ABANDON
RS-4	IN 4351-031	12+89.00	LT-11.00	INLET	REMOVE
RS-5	IN 4351-033	12+83.00	RT-14.00	INLET	REMOVE
RS-6	IN 4351-032	13+22.00	RT-15.00	INLET	REMOVE
RS-7	IN 4352-012	50+62.00	RT-12.00	INLET	ABANDON; (2)
RS-8	IN 4352-013	50+47.00	LT-18.00	INLET	REMOVE
RS-9	AS 4351-054	9+83.44	LT-20.70	CB	REMOVE
RS-10	AS 4251-054	51+21.00	LT-23.75	CB	REMOVE
RS-11	IN 4251-055	9+86.12	LT-19.52	INLET	REMOVE

REMOVE STORM PIPES

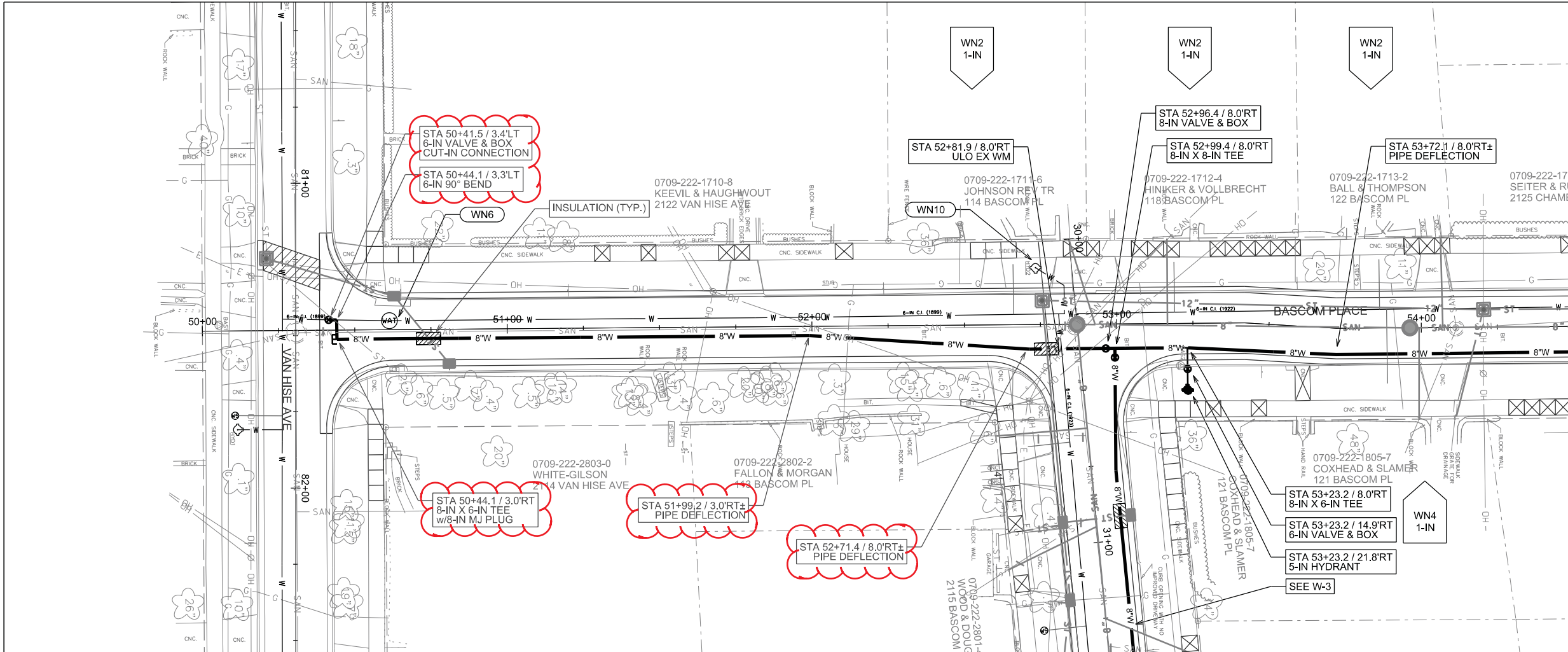
REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
RP-1	S-0	RS-1	38	12"	VP	Y	REMOVE
RP-2	S-0	RS-2	47	12"	VP	Y	REMOVE
RP-3	RS-1	RS-3	266	12"	RCP	N	ABANDON WITH PLUGS
RP-4	RS-4	RS-5	27	12"	VP	Y	REMOVE
RP-5	RS-4	RS-6	40	12"	VP	Y	REMOVE
RS-6	S-10	RS-8	25	12"	VP	N	REMOVE
RS-7	S-10	RS-7	51	12"	VP	Y/N	28' PIPE REMOVAL PAID

SPECIFIC NOTES

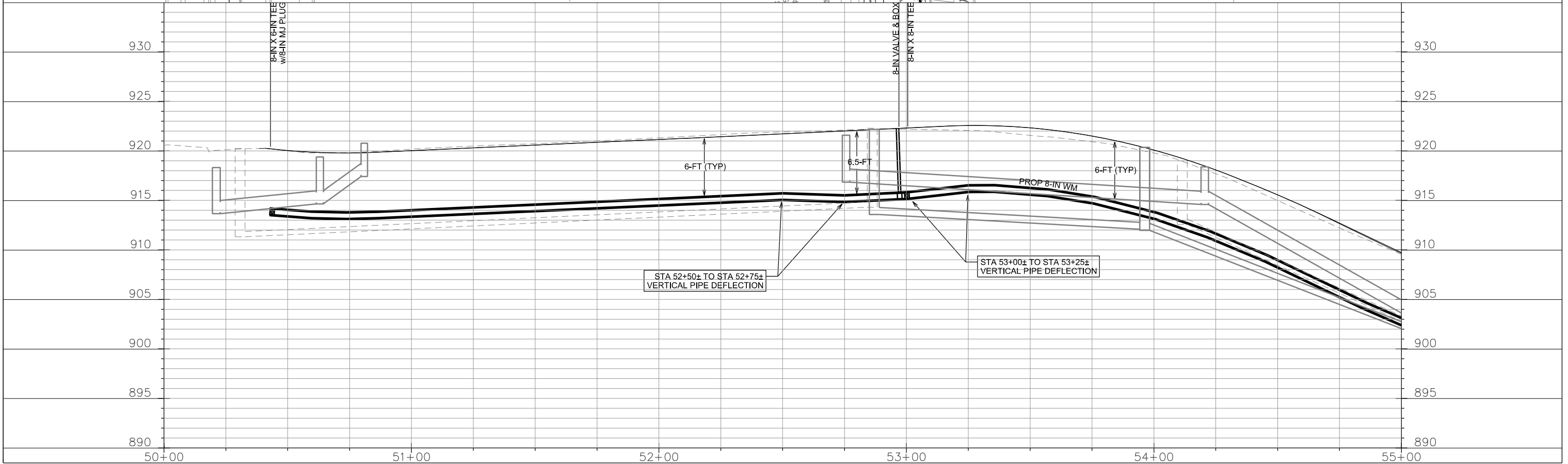
(2) INCLUDED IN THIS ITEM: INLET SHALL BE ABANDONED IN PLACE AND FILLED WITH CONCRETE OR SLURRY. CASTING MAY BE LEFT IN PLACE PER DIRECTION BY FIELD ENGINEER.

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
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MATCHLINE STA 55+00.00

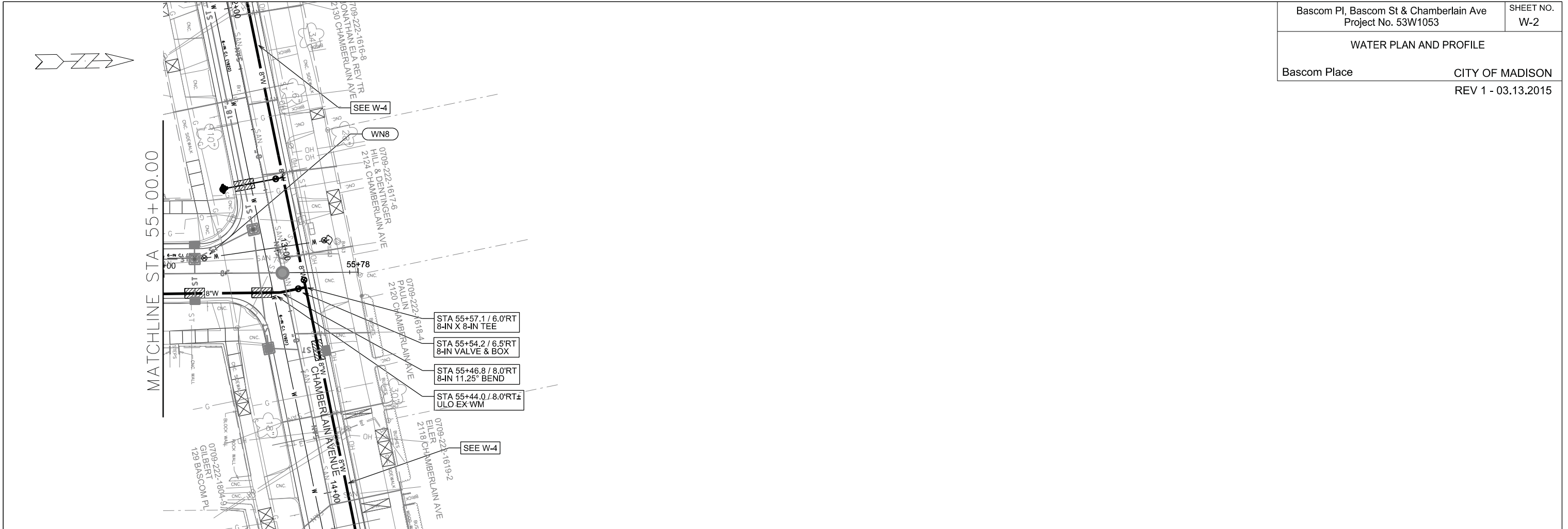


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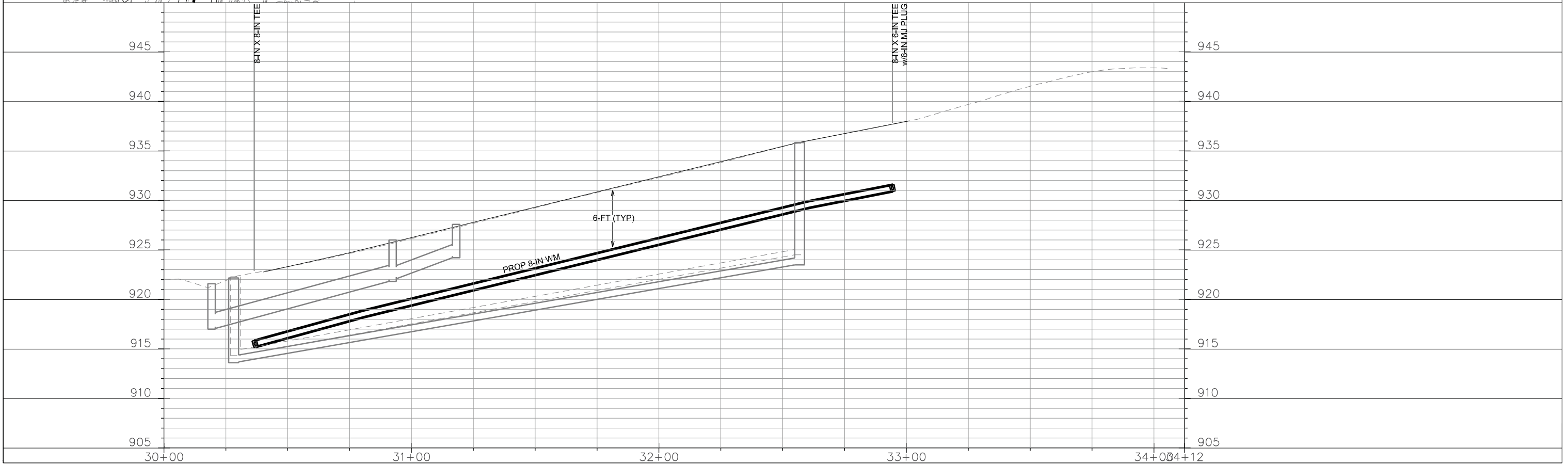
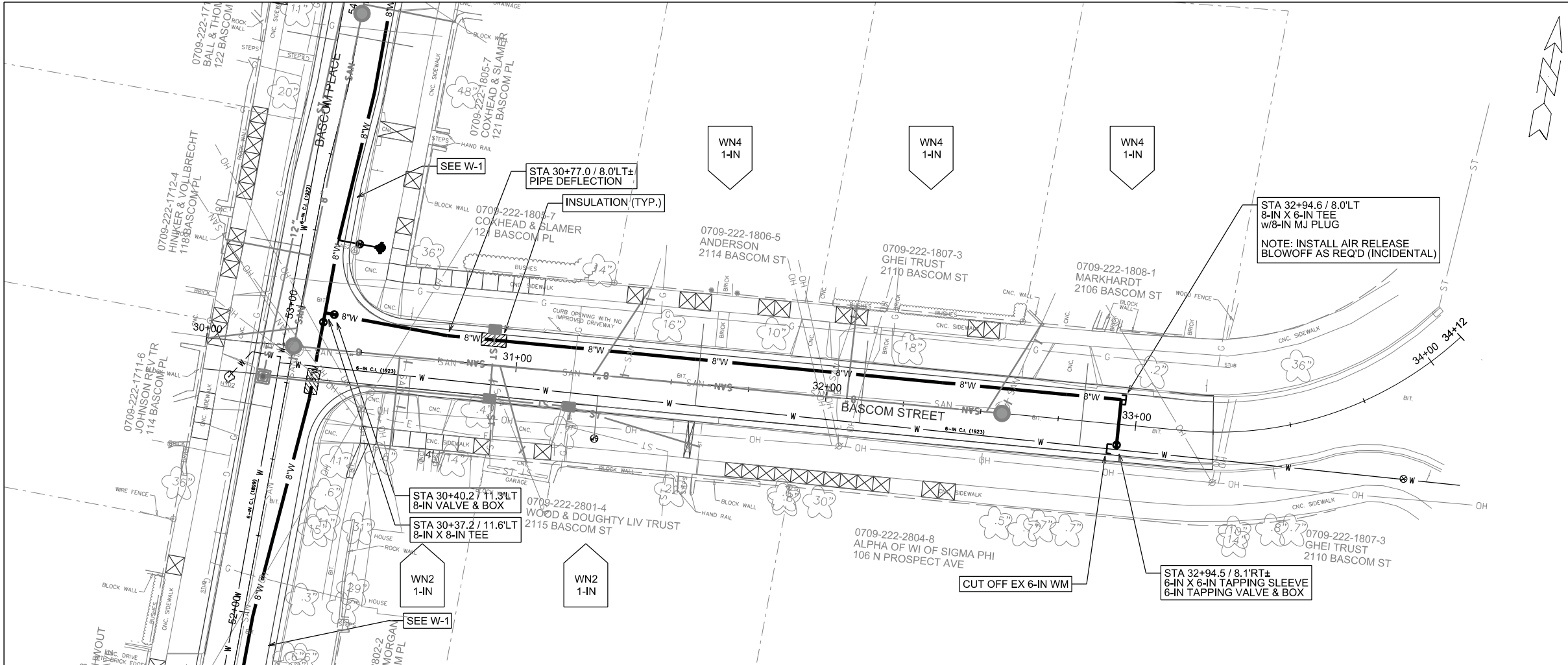
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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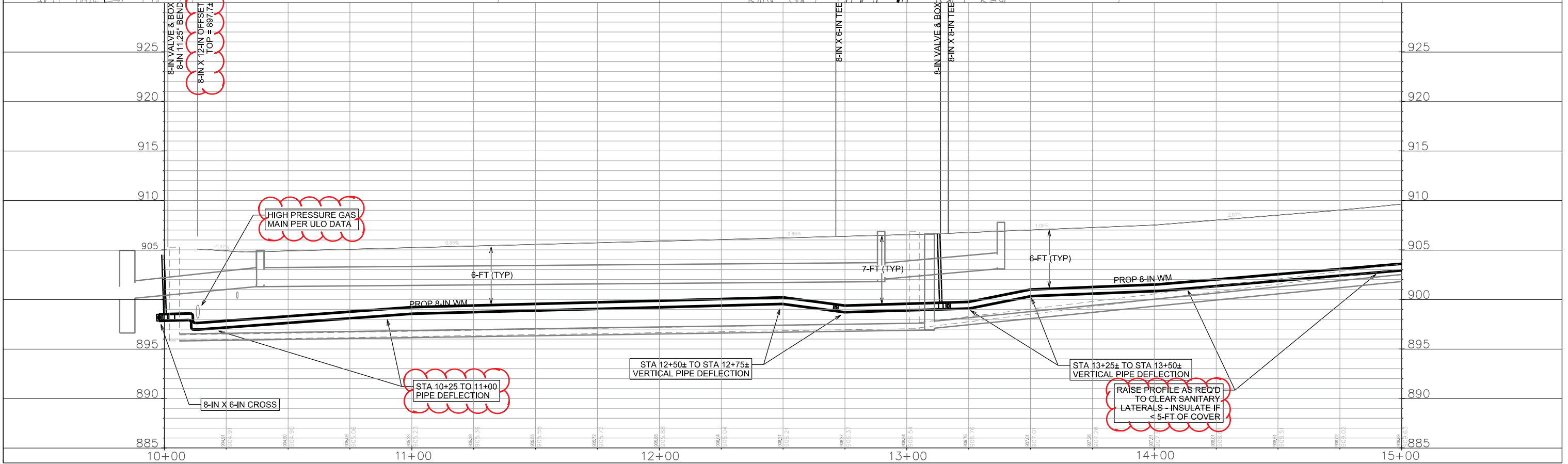
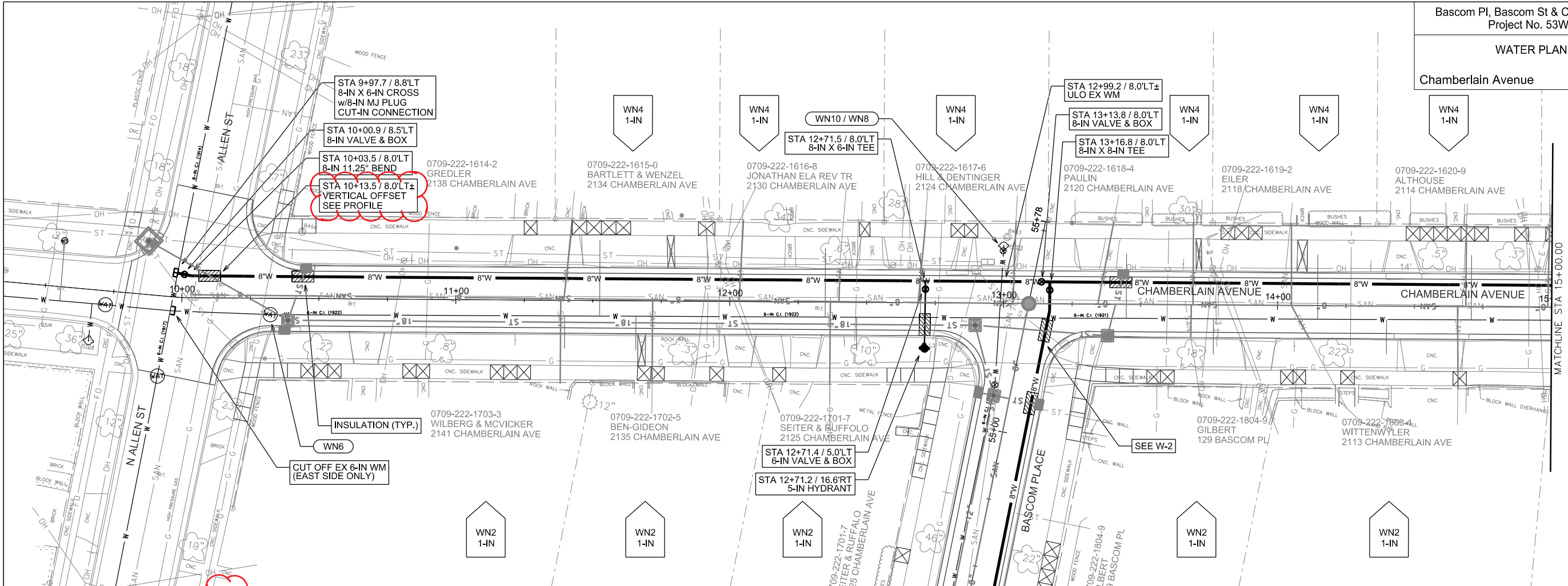


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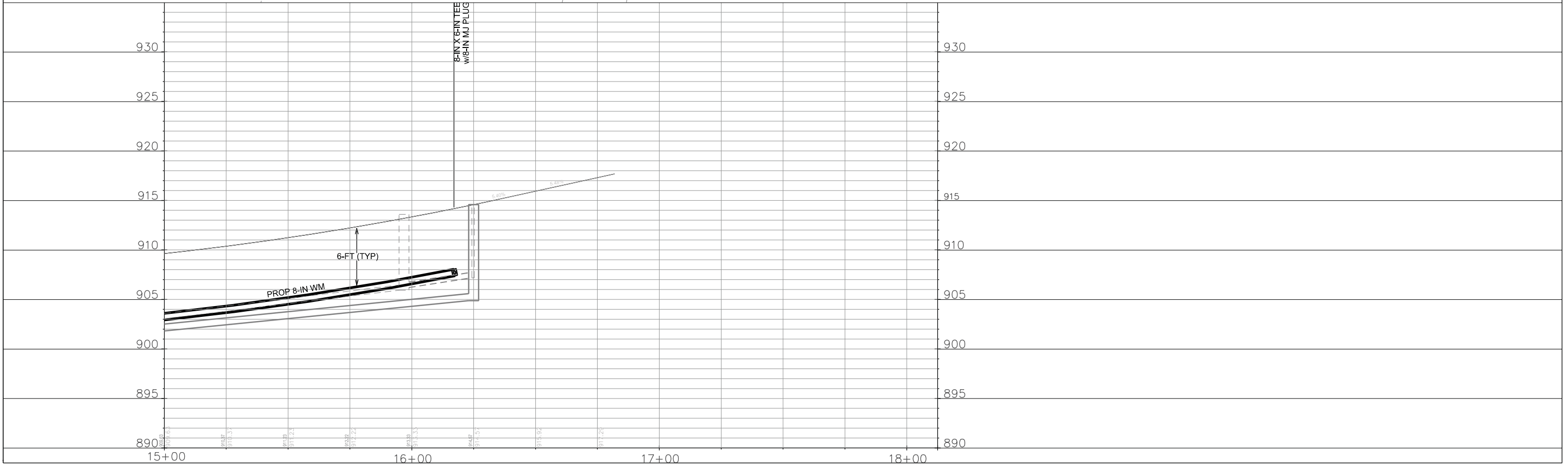
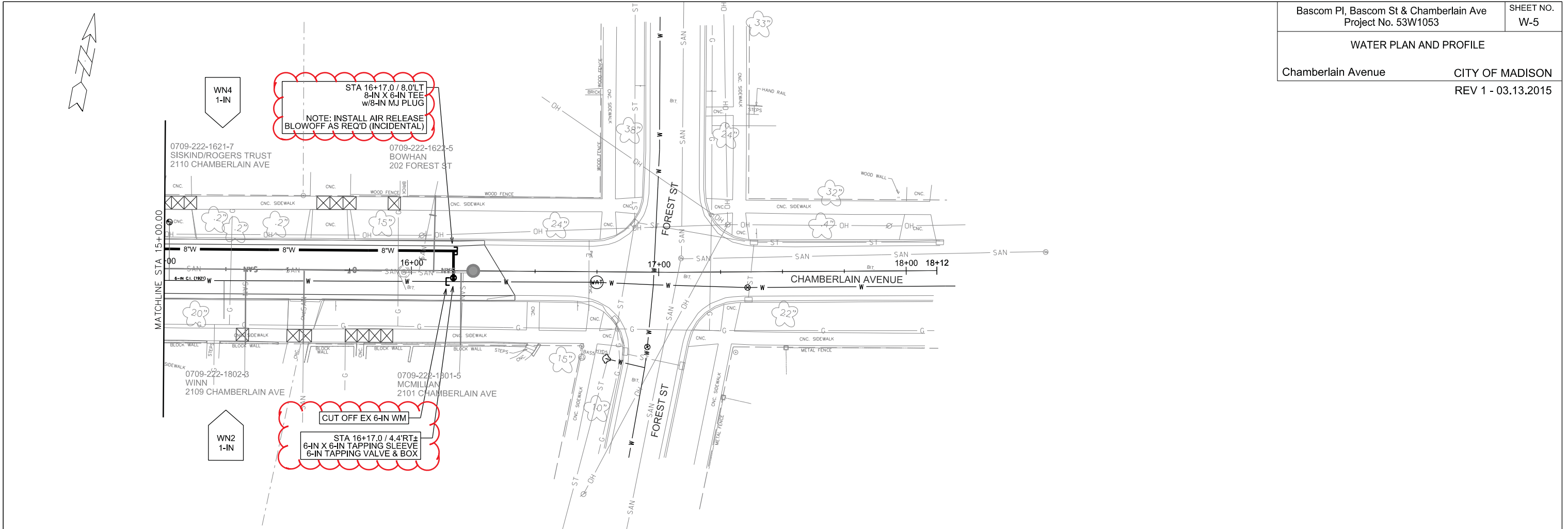


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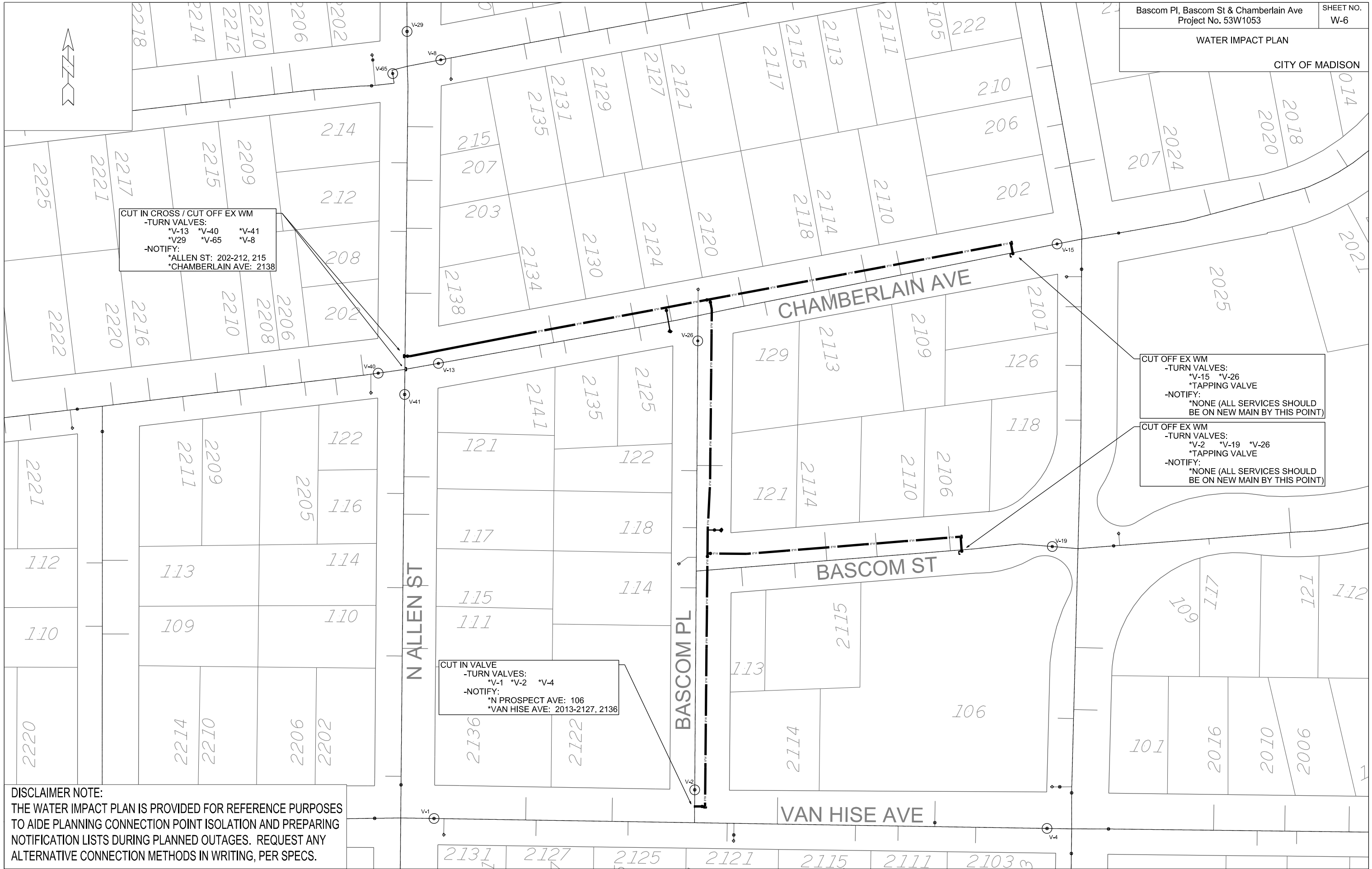
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER IMPACT PLAN
CITY OF MADISON



CUT IN CROSS / CUT OFF EX WM
-TURN VALVES:
*V-13 *V-40 *V-41
*V-29 *V-65 *V-8
-NOTIFY:
*ALLEN ST: 202-212, 215
*CHAMBERLAIN AVE: 2138

CUT OFF EX WM
-TURN VALVES:
*V-15 *V-26
*TAPPING VALVE
-NOTIFY:
*NONE (ALL SERVICES SHOULD
BE ON NEW MAIN BY THIS POINT)

CUT OFF EX WM
-TURN VALVES:
*V-2 *V-19 *V-26
*TAPPING VALVE
-NOTIFY:
*NONE (ALL SERVICES SHOULD
BE ON NEW MAIN BY THIS POINT)

CUT IN VALVE
-TURN VALVES:
*V-1 *V-2 *V-4
-NOTIFY:
*N PROSPECT AVE: 106
*VAN HISE AVE: 2013-2127, 2136

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, STREETS DIVISION

FILE NAME:

DATE:

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.

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 DISTRUPTION 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 NOTFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

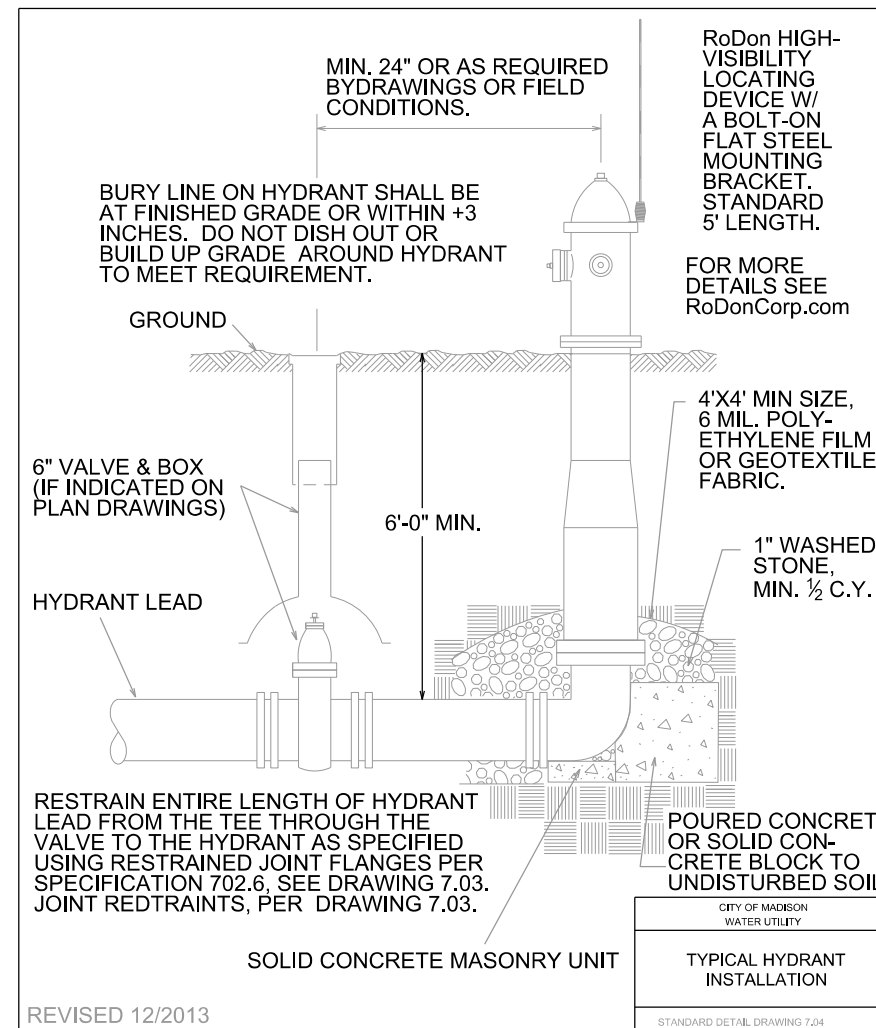
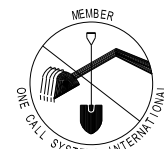
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

- 100-FT - 6-IN PIPE
- 1400-FT - 8-IN PIPE
- 4400-FT - POLYWRAP
- 4 - 6-IN VALVE & BOX
- 4 - 8-IN VALVE & BOX
- 1 - 6-IN 90° BEND
- 2 - 8-IN 11.25° BEND
- 5 - 8-IN X 6-IN TEE
- 2 - 8-IN X 8-IN TEE
- 1 - 8-IN X 6-IN CROSS
- 1 - 6-IN SLEEVE
- 4 - 8-IN MJ PLUG
- 4 - 6-IN CAP
- 2 - 5-IN HYDRANT
- 80-FT - 2-IN STYROFOAM INSULATION
- 1-IN COPPER SERVICE PIPING (AS REQUIRED)

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

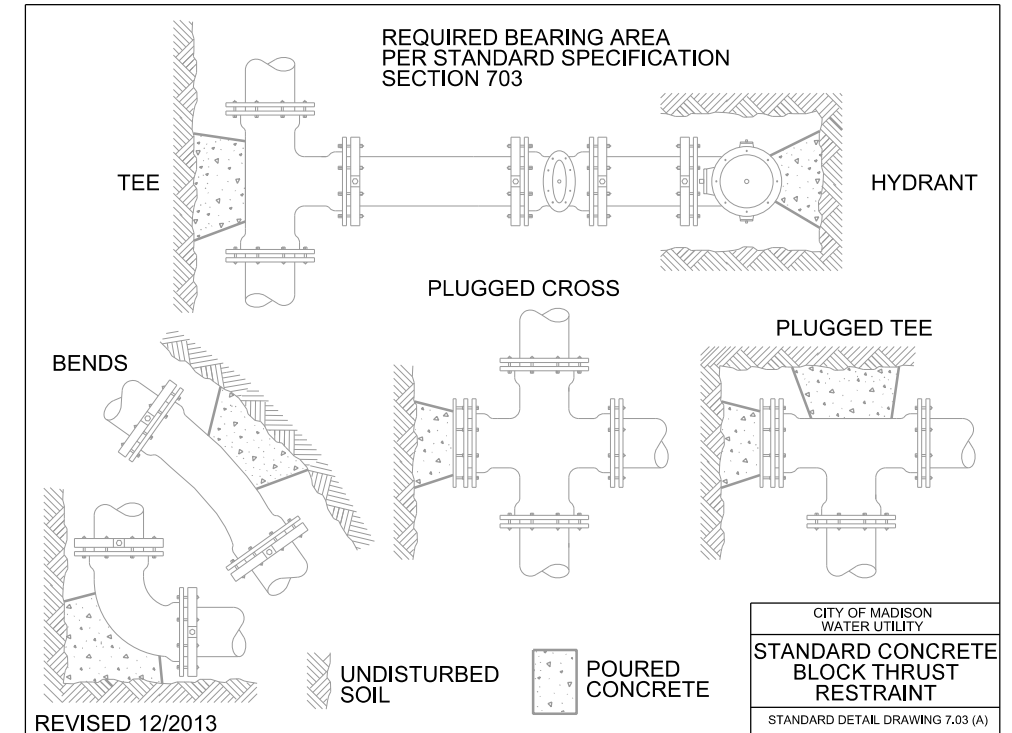
CALL DIGGERS HOTLINE TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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



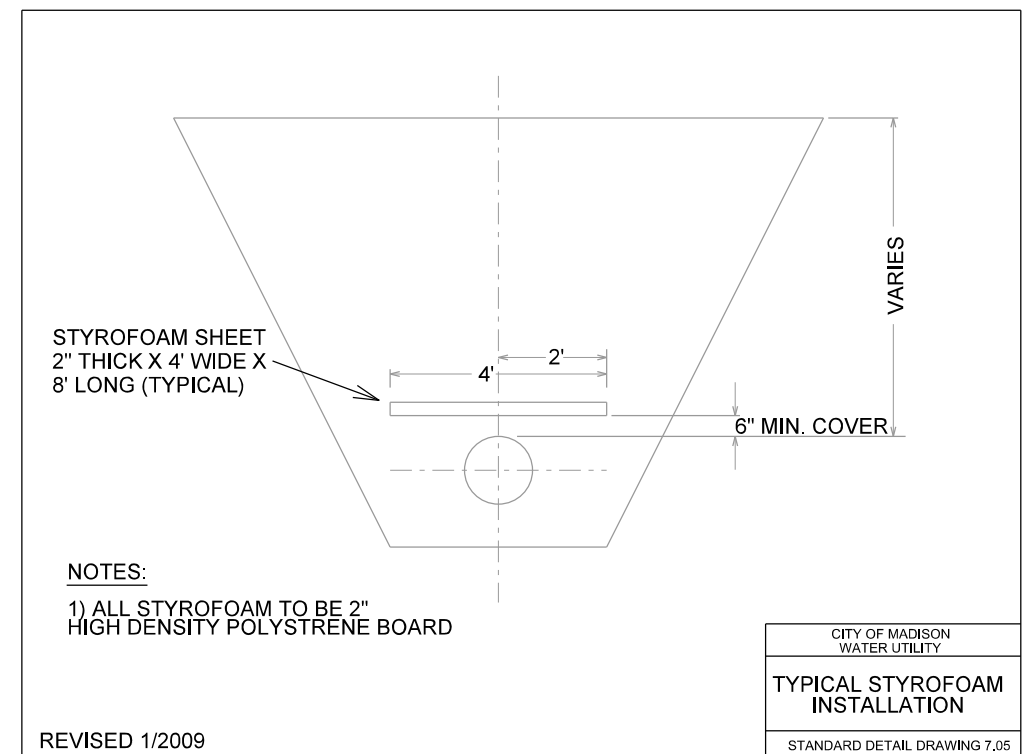
RoDon HIGH-VISIBILITY LOCATING DEVICE W/ A BOLT-ON FLAT STEEL MOUNTING BRACKET. STANDARD 5' LENGTH.

FOR MORE DETAILS SEE RoDonCorp.com



ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:

- 2 - 6-IN TAPPING VALVE & BOX
- 2 - 6-IN X 6-IN TAPPING SLEEVE



NOTES:
1) ALL STYROFOAM TO BE 2" HIGH DENSITY POLYSTYRENE BOARD

REVISED 1/2009

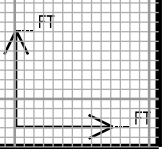
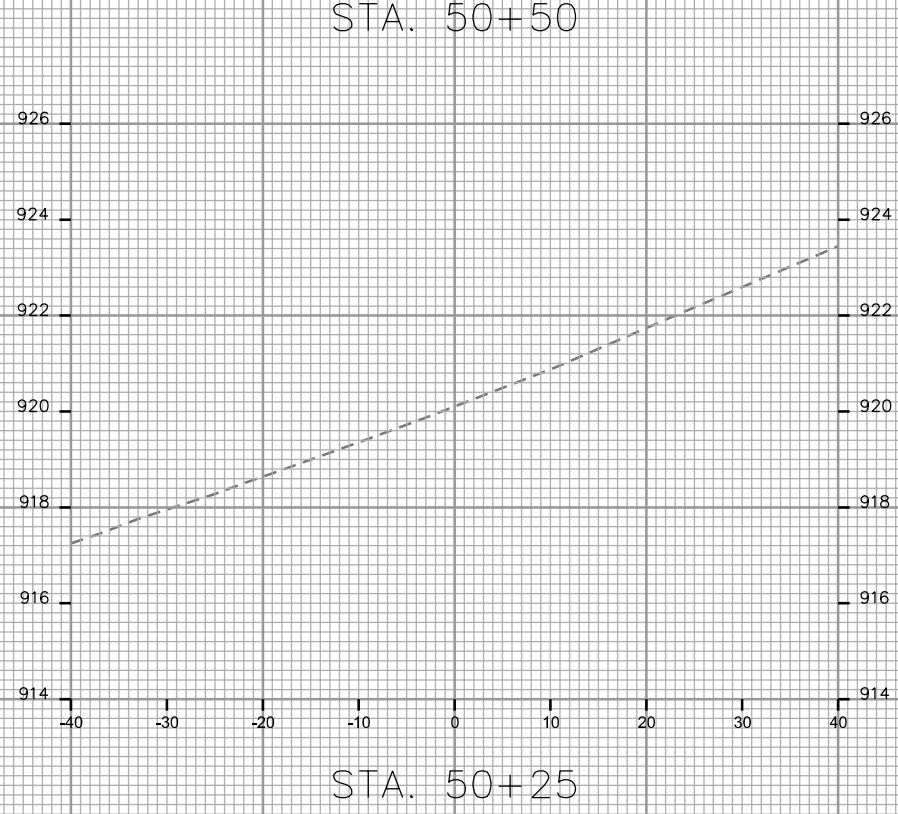
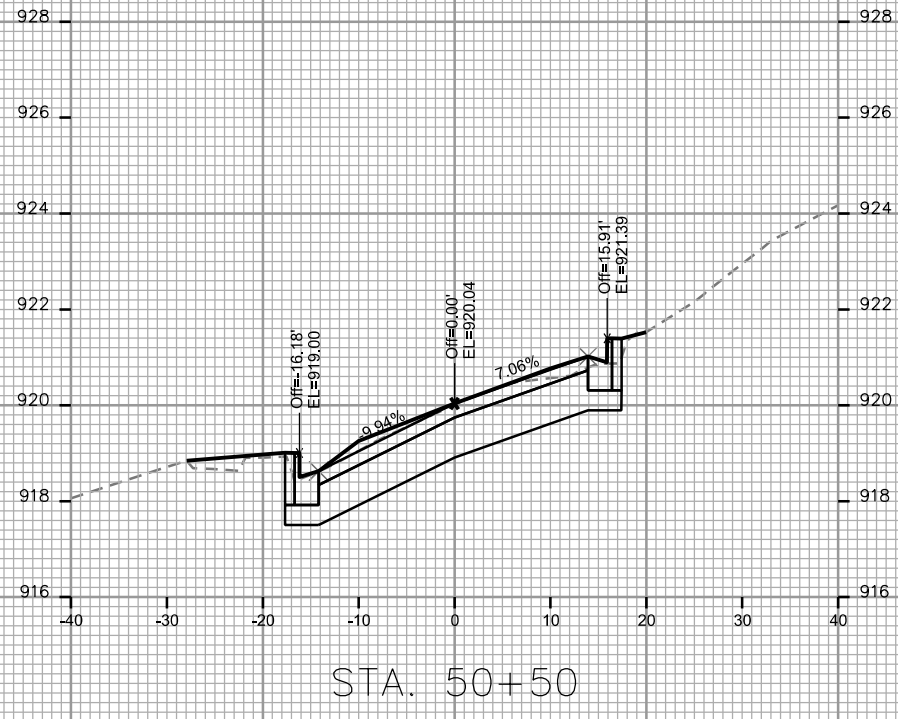
CITY OF MADISON WATER UTILITY
TYPICAL STYROFOAM INSTALLATION
STANDARD DETAIL DRAWING 7.05

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

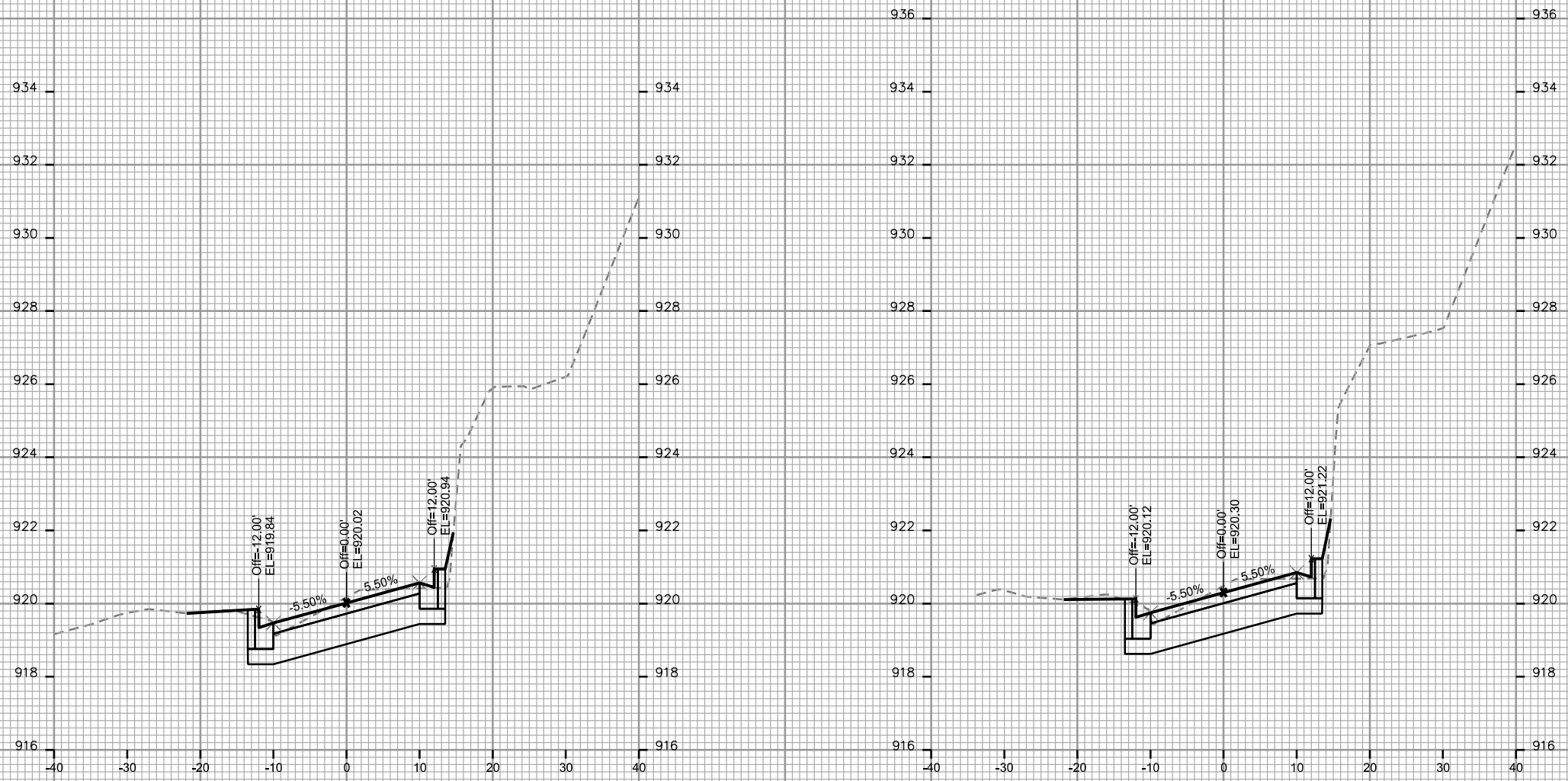


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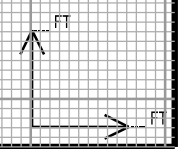
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 51+00

STA. 51+25

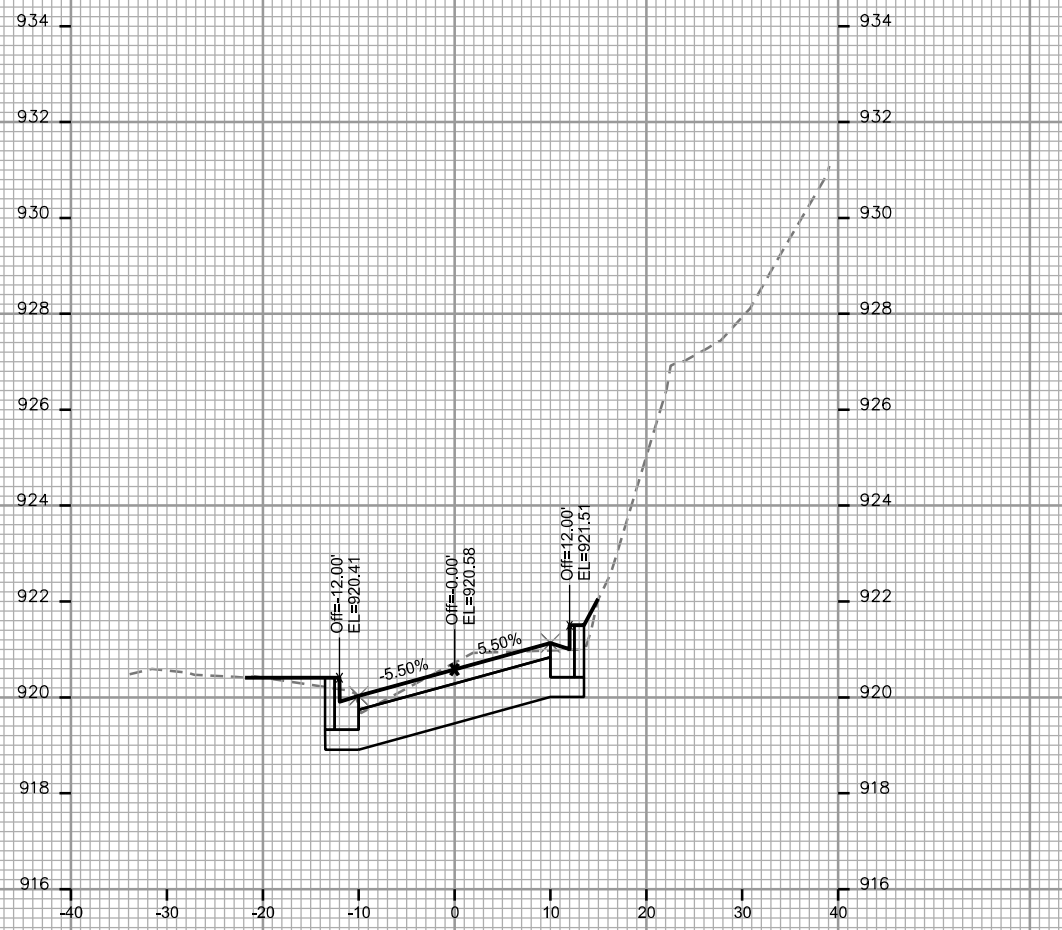


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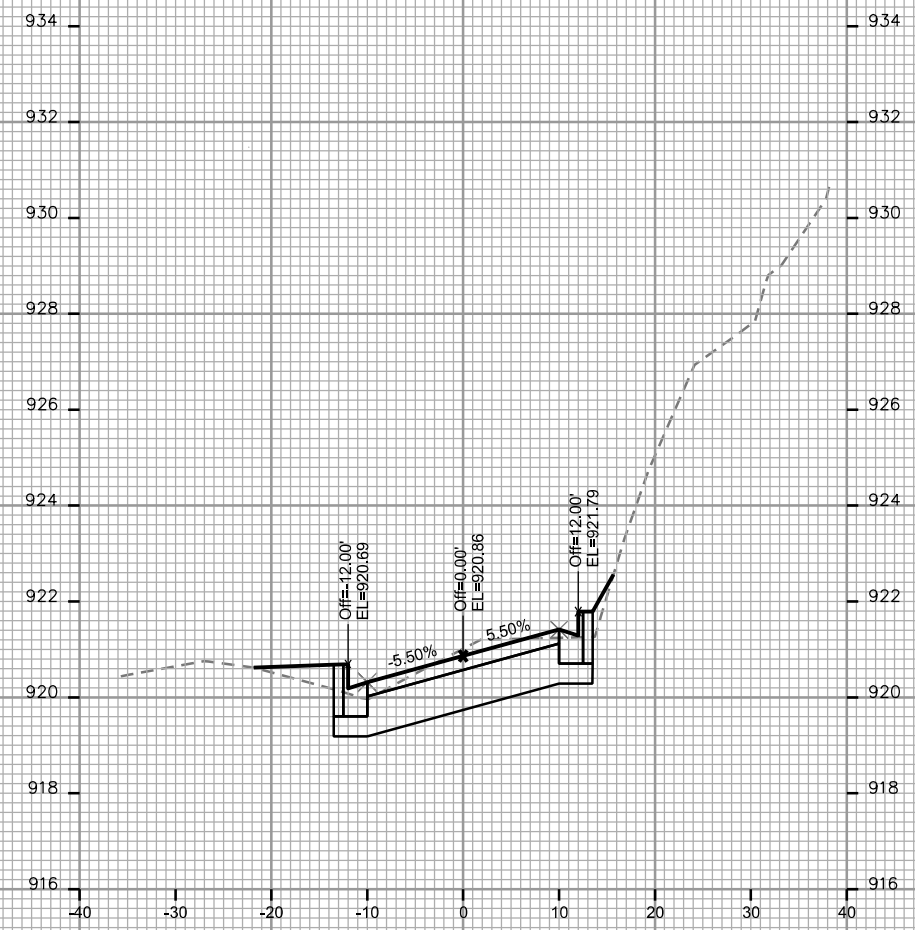
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REV. DATE: _____

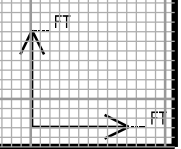
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



STA. 51+50



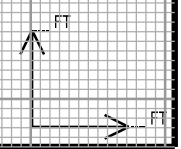
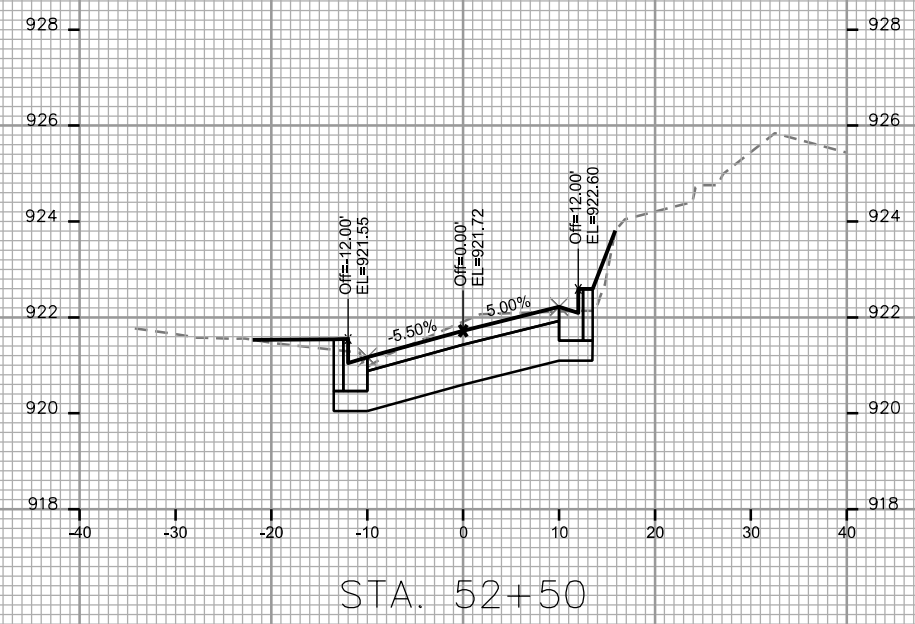
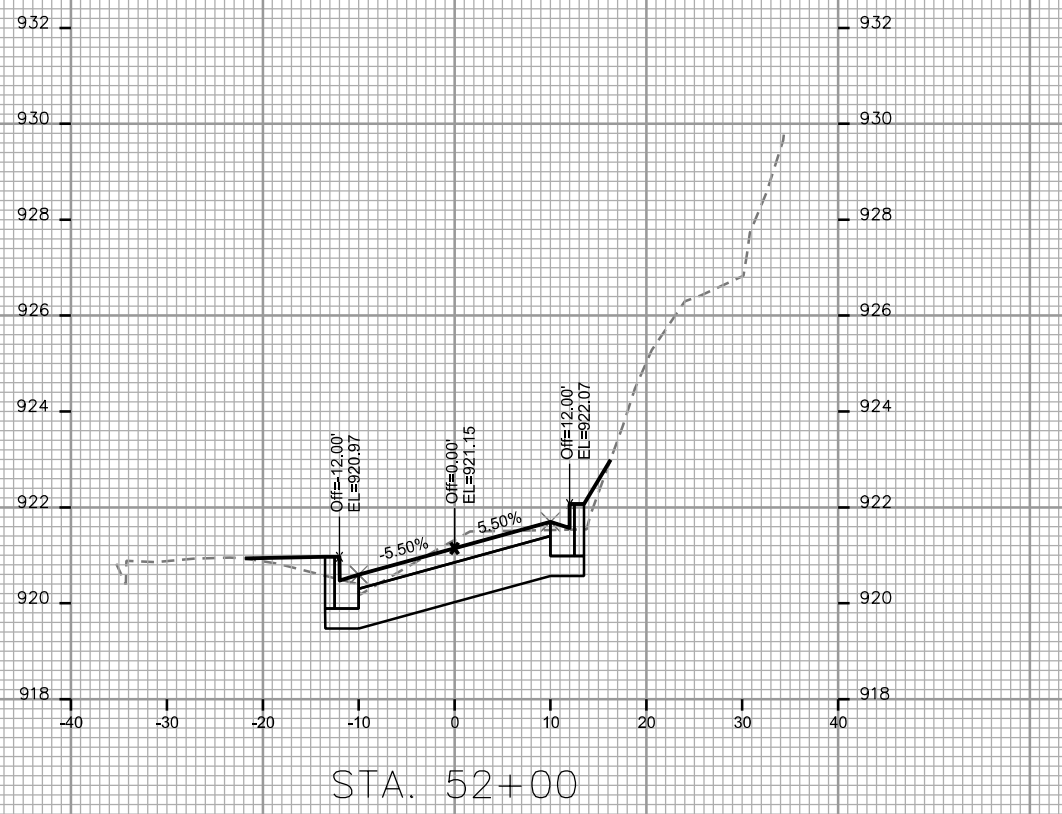
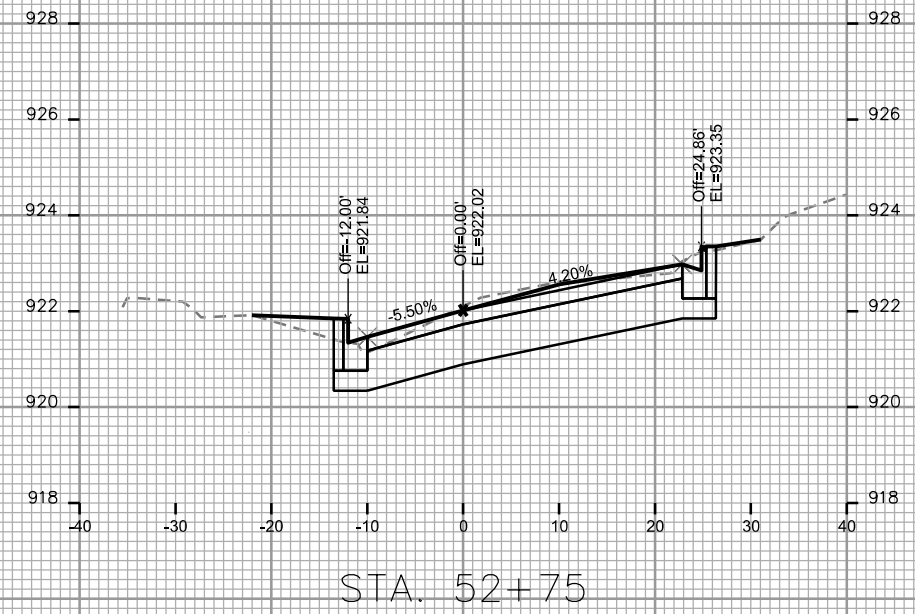
STA. 51+75



PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

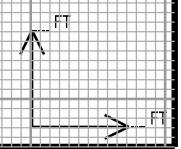
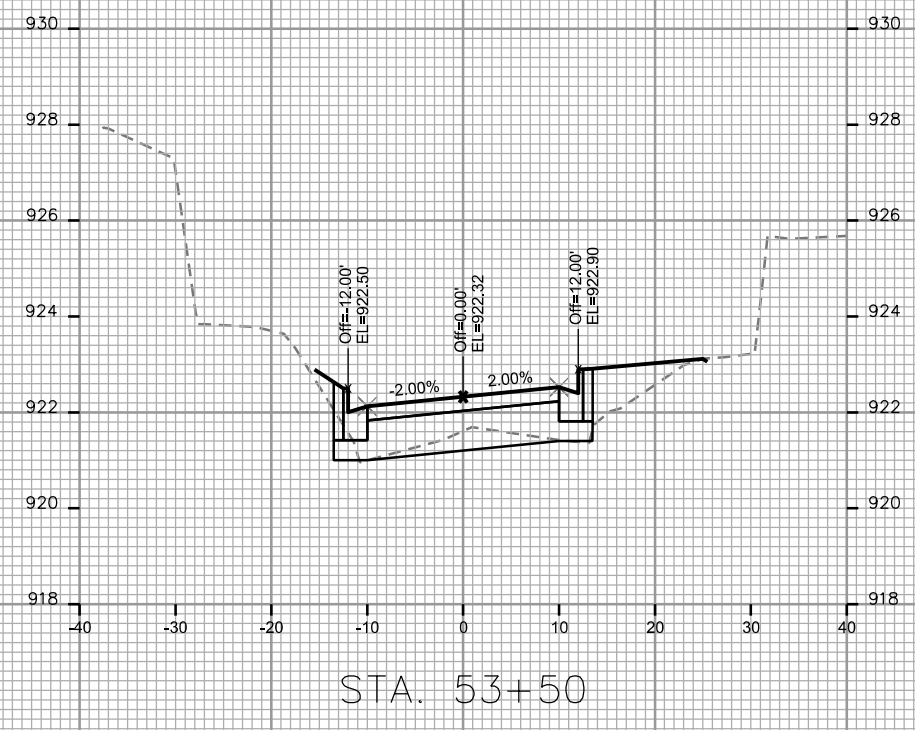
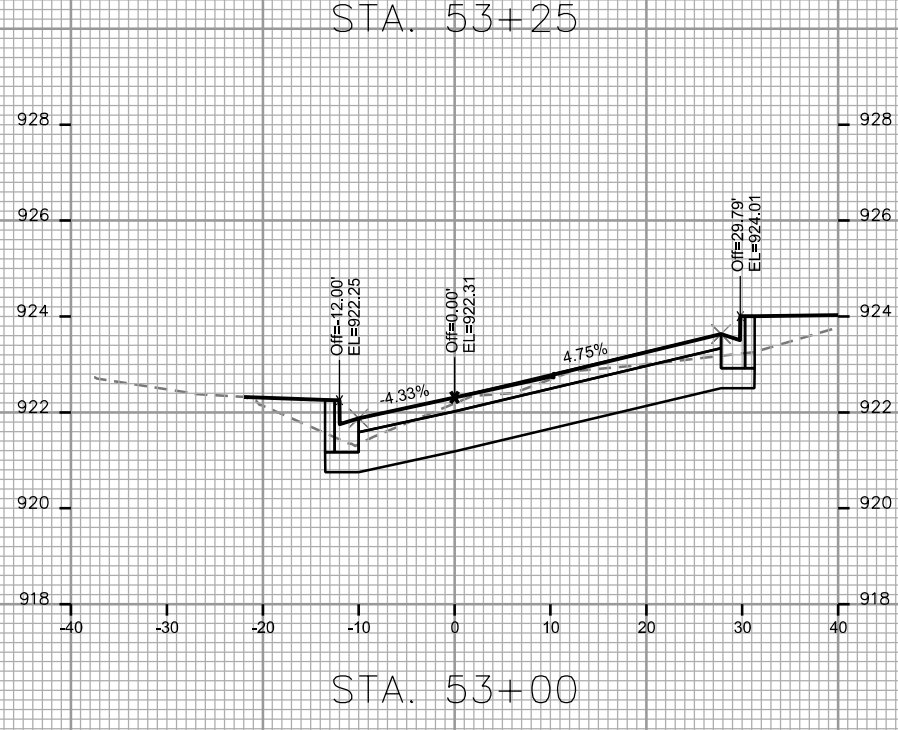
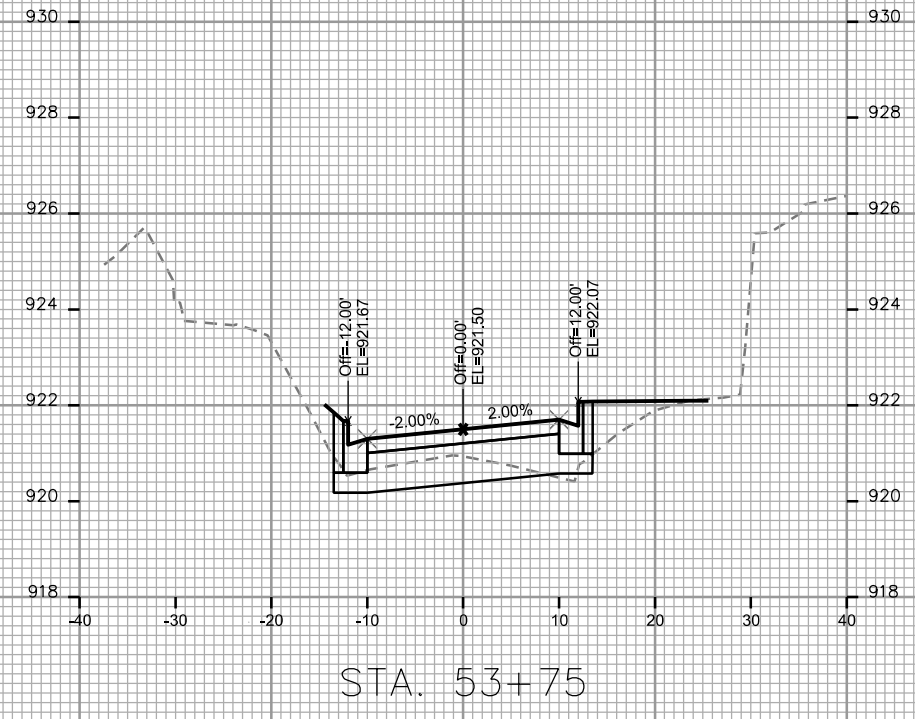
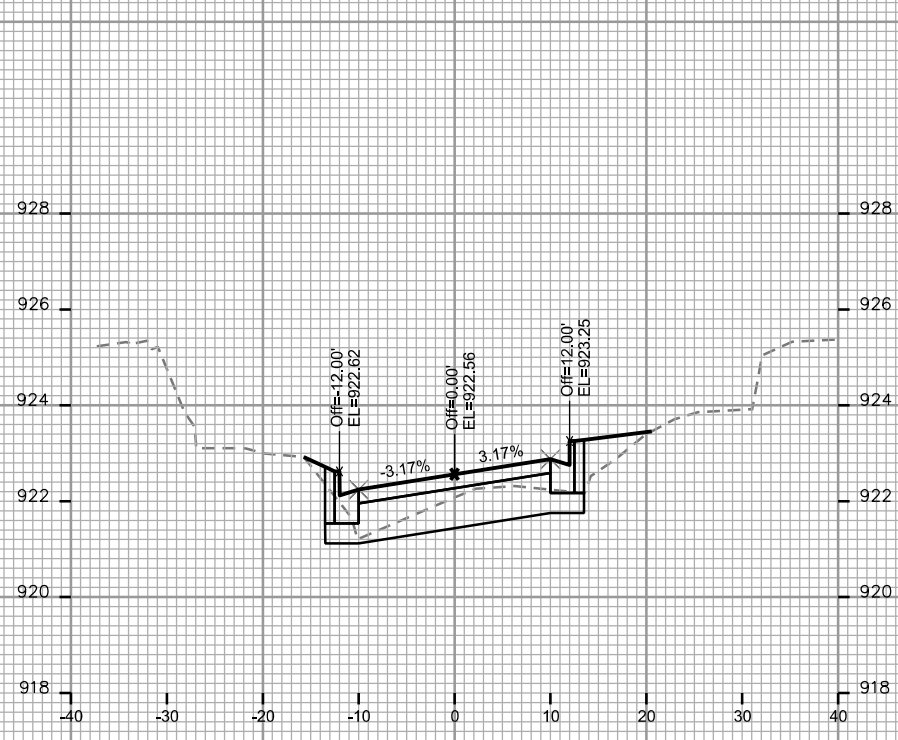


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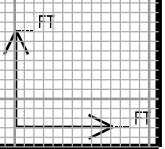
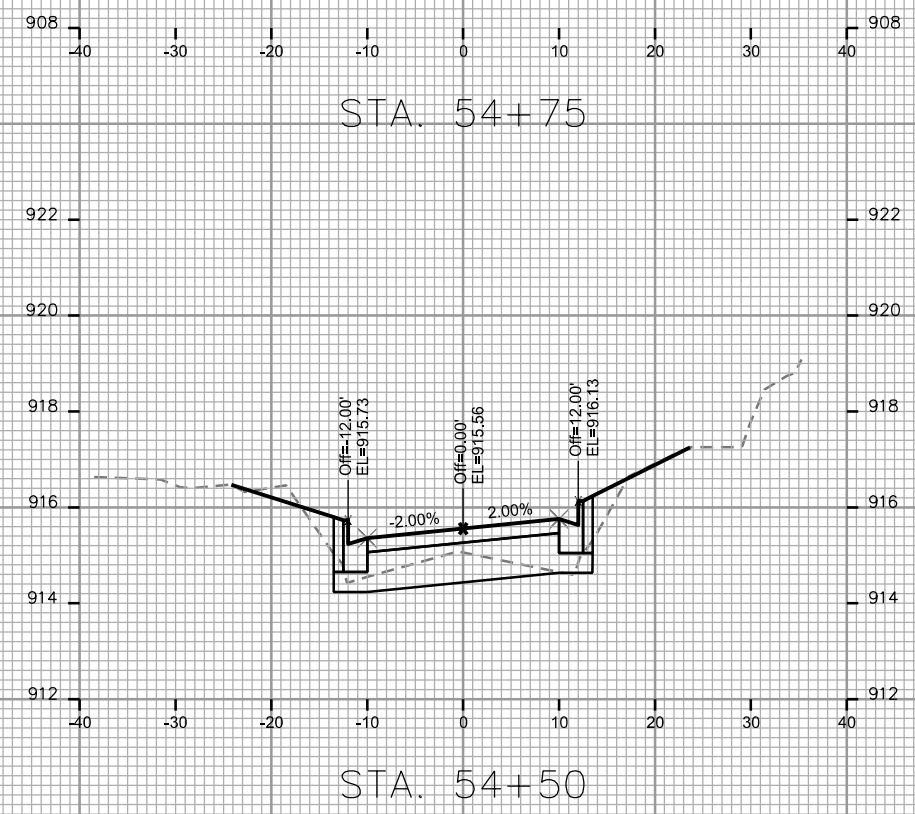
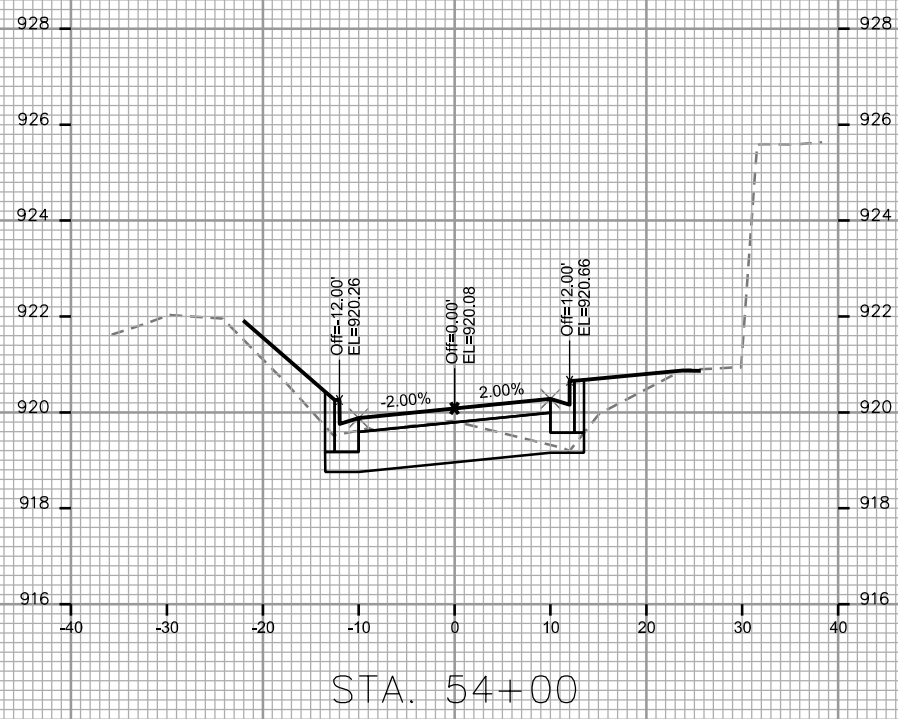
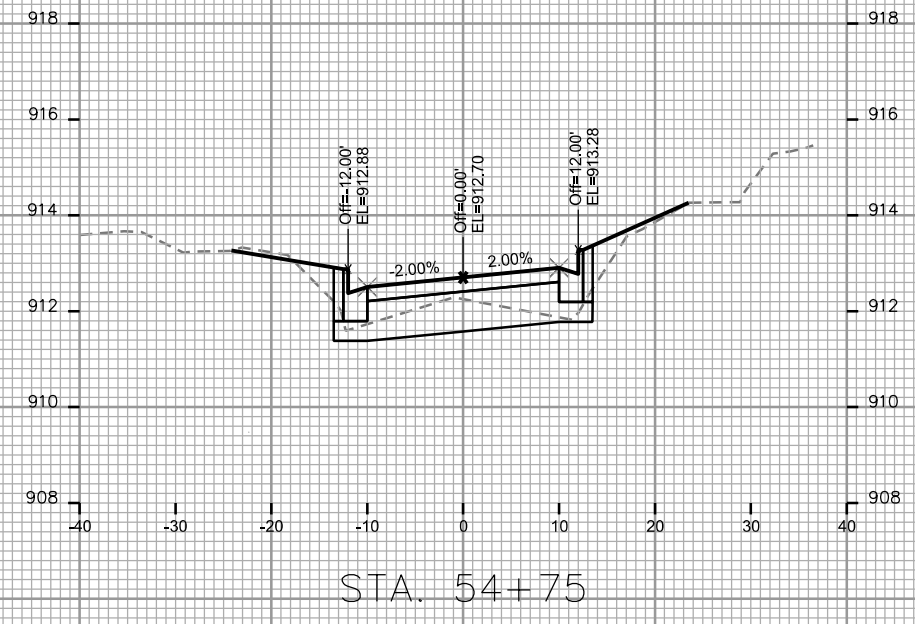
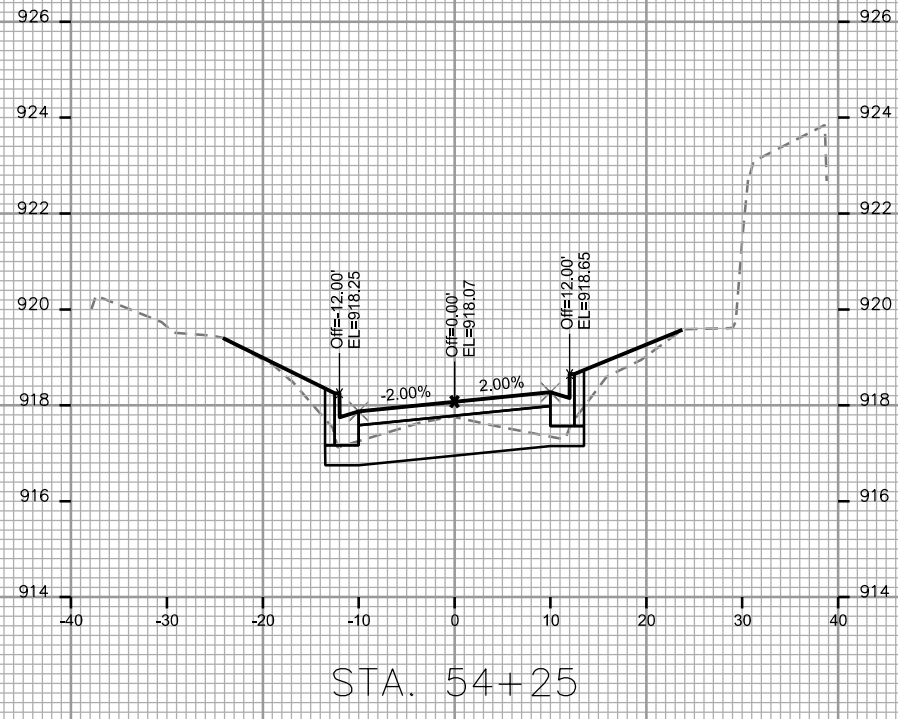
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

Bascom Place

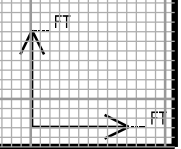
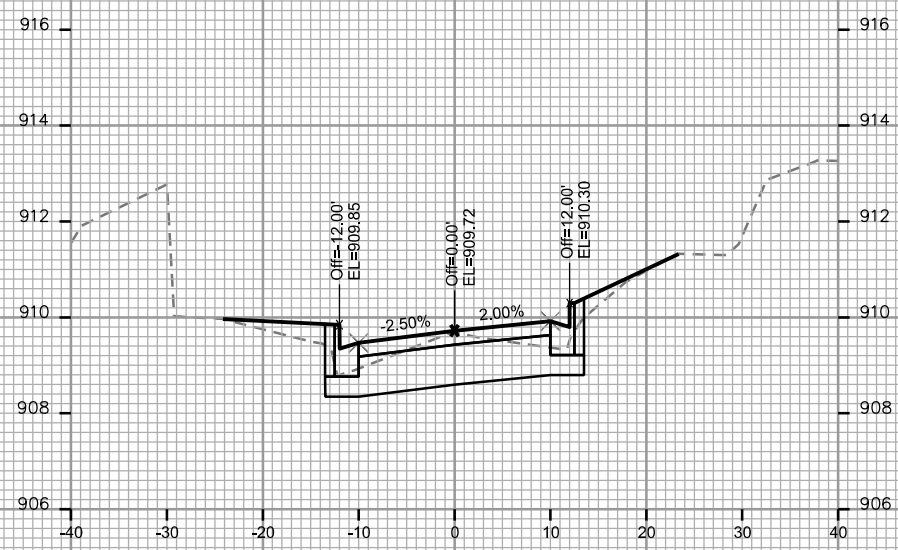
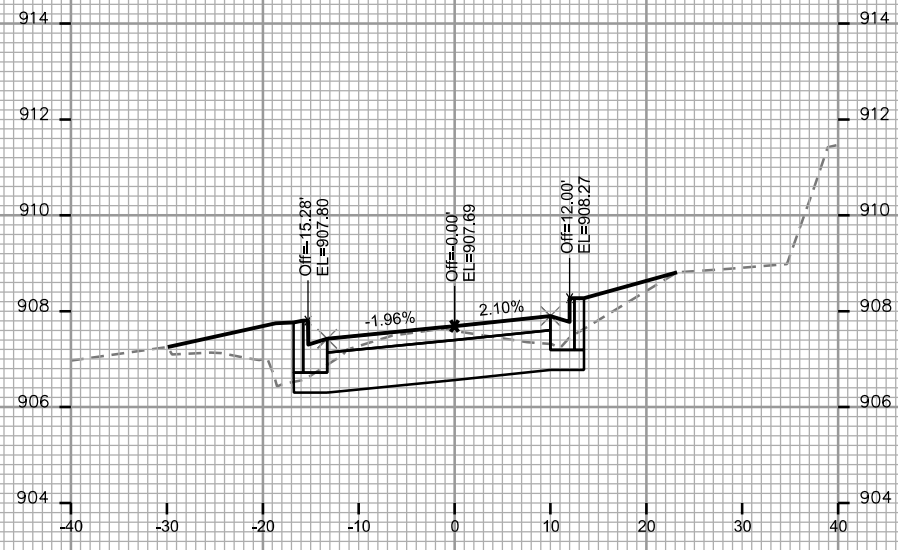
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



PLOT SCALE: _____

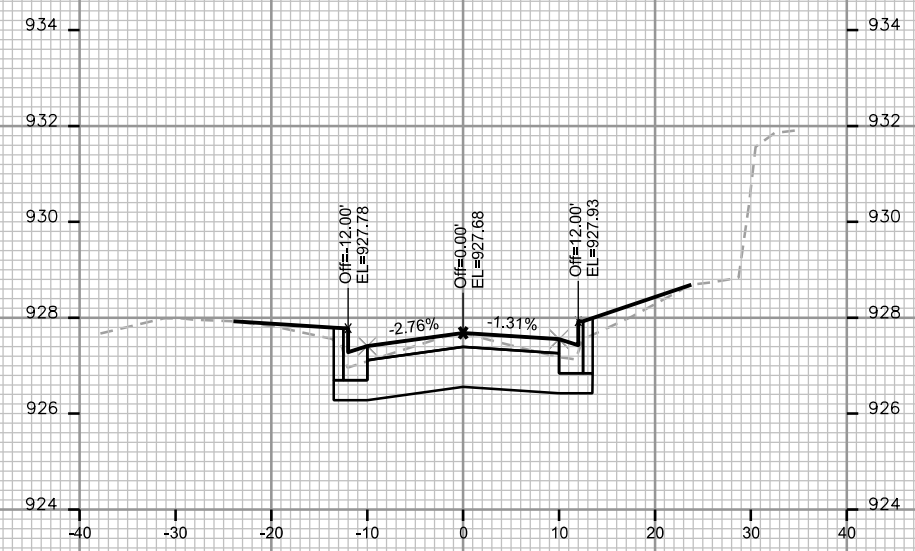
PLOT NAME: _____

REV. DATE: _____

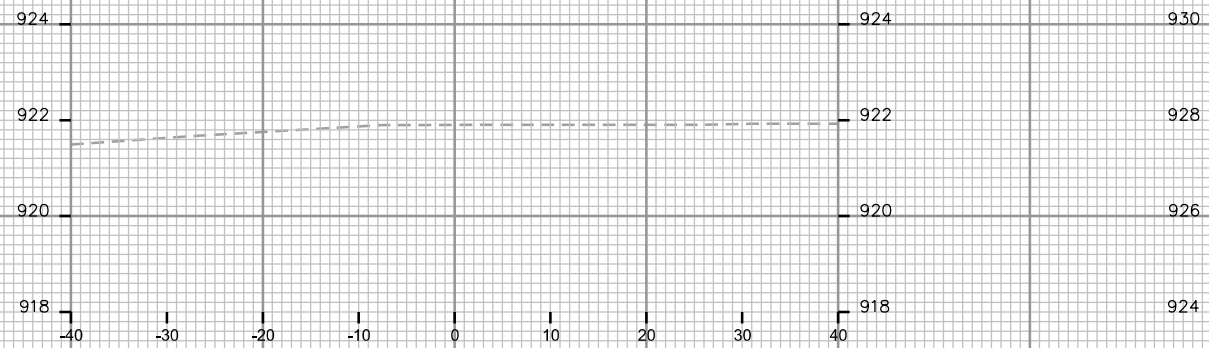
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



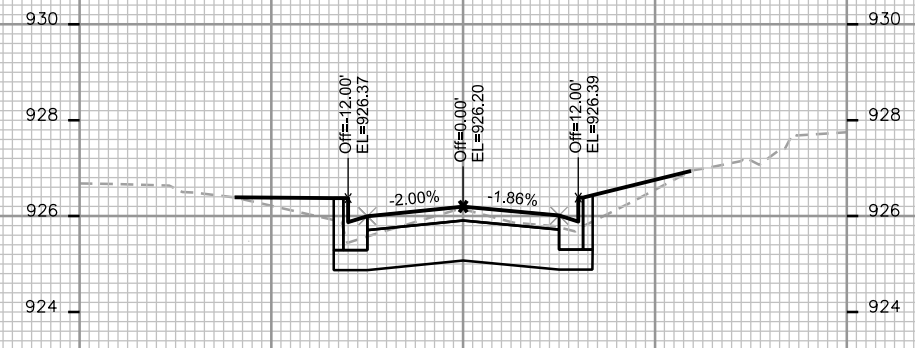
STA. 30+50



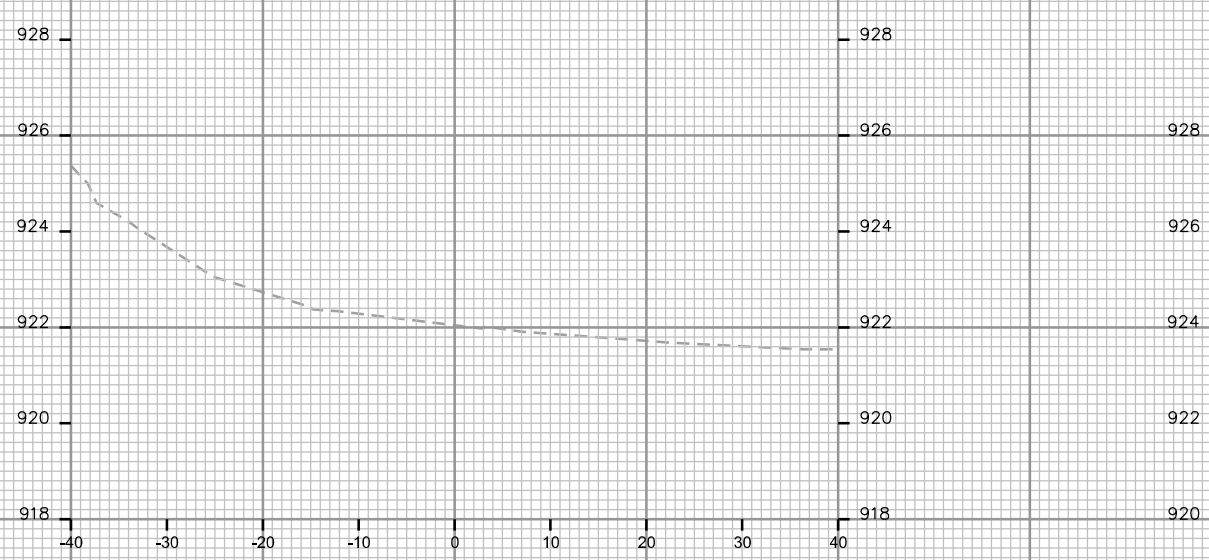
STA. 31+25



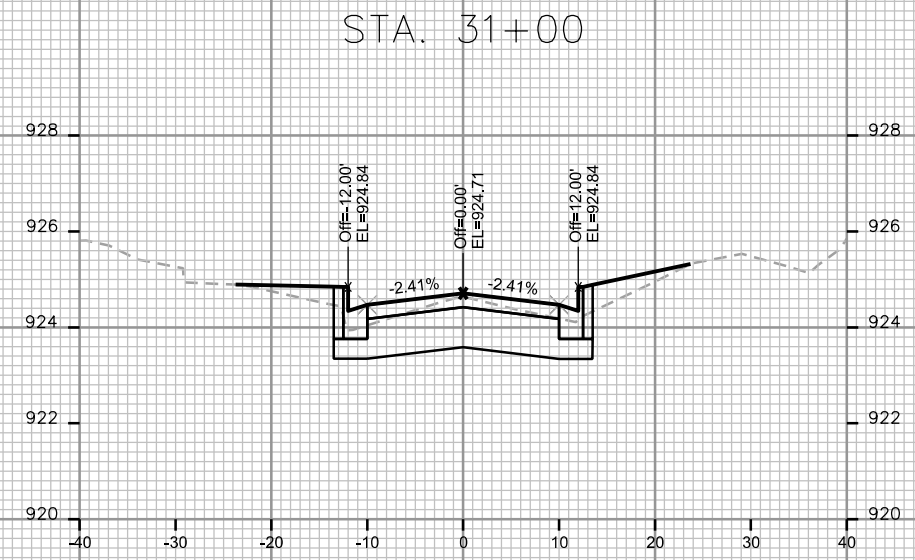
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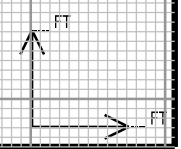
STA. 31+00



STA. 30+00



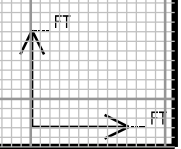
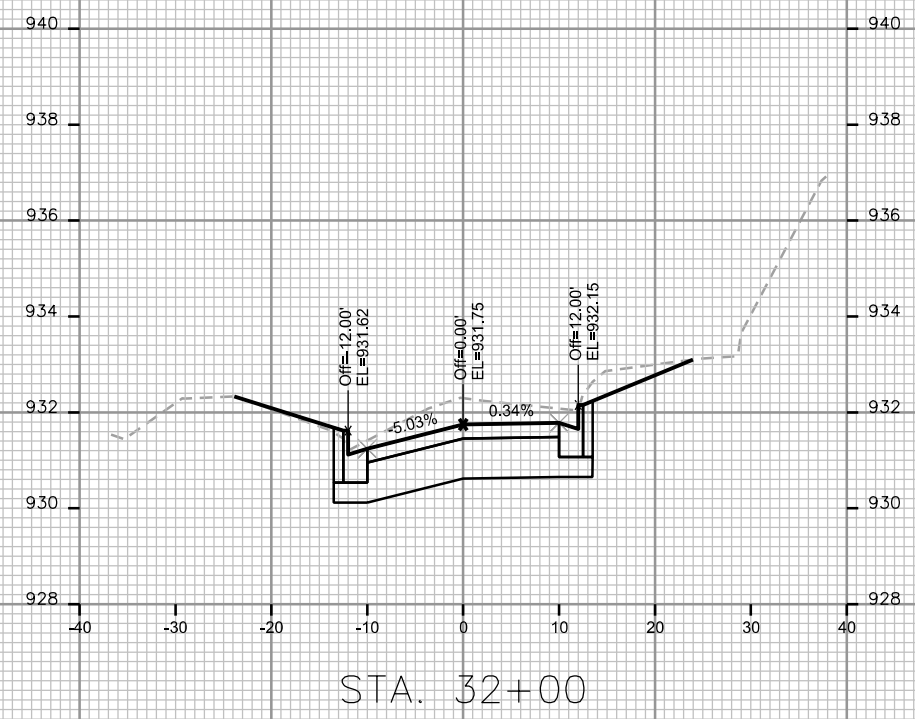
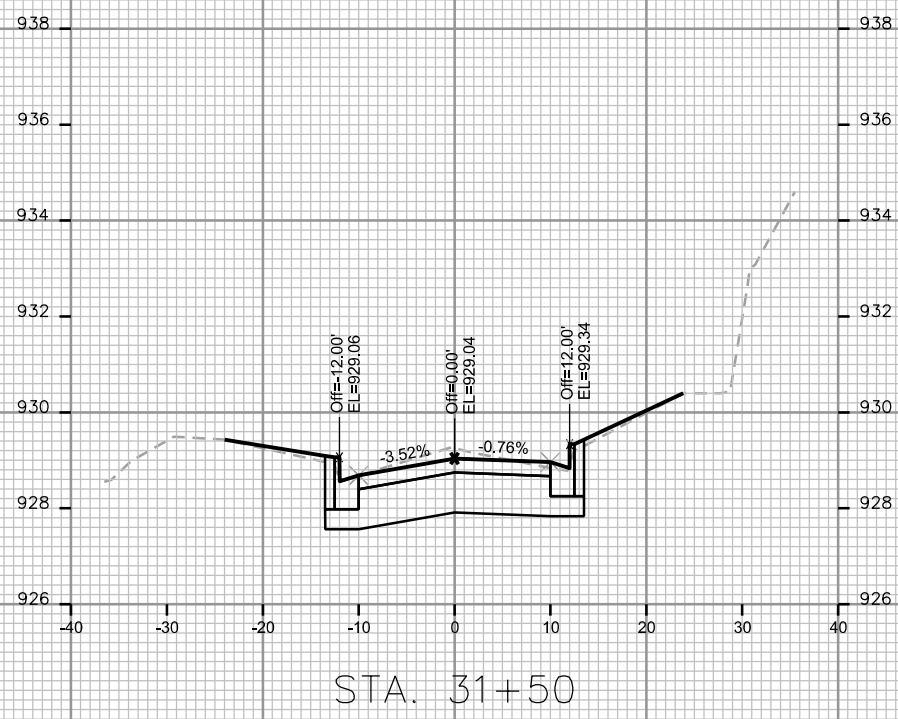
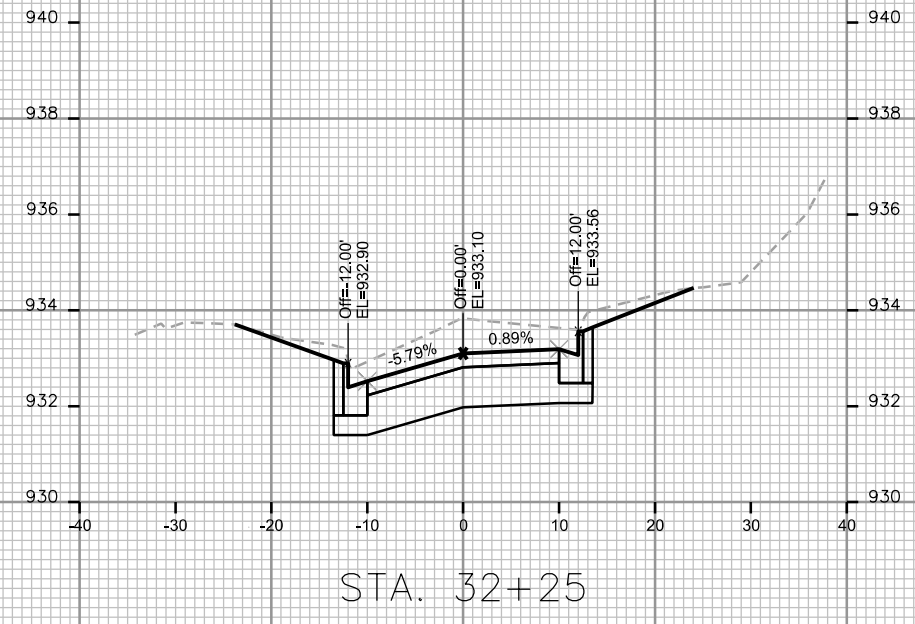
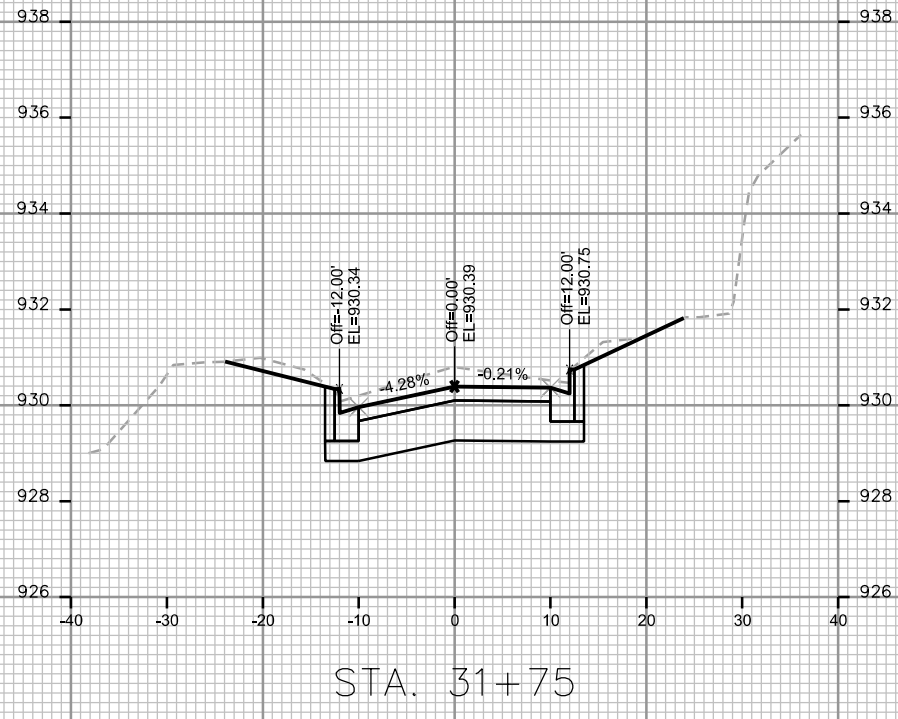
STA. 30+75



PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

Bascom Street

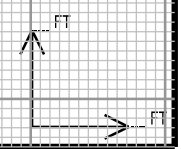
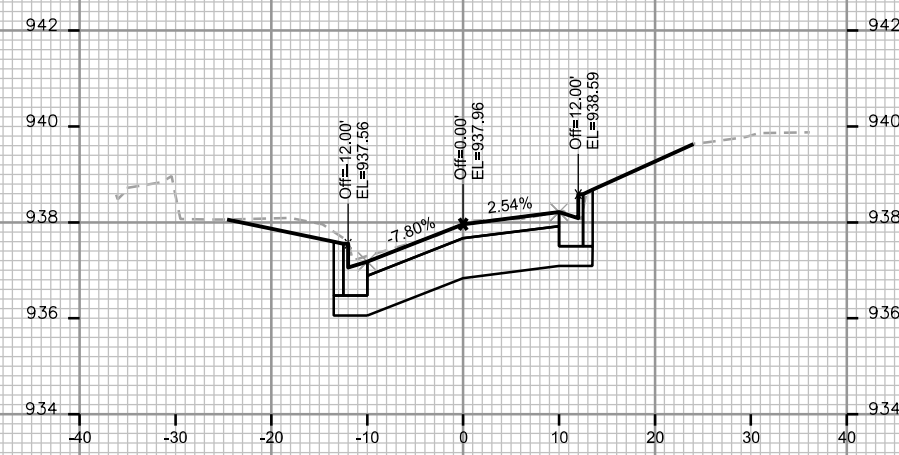
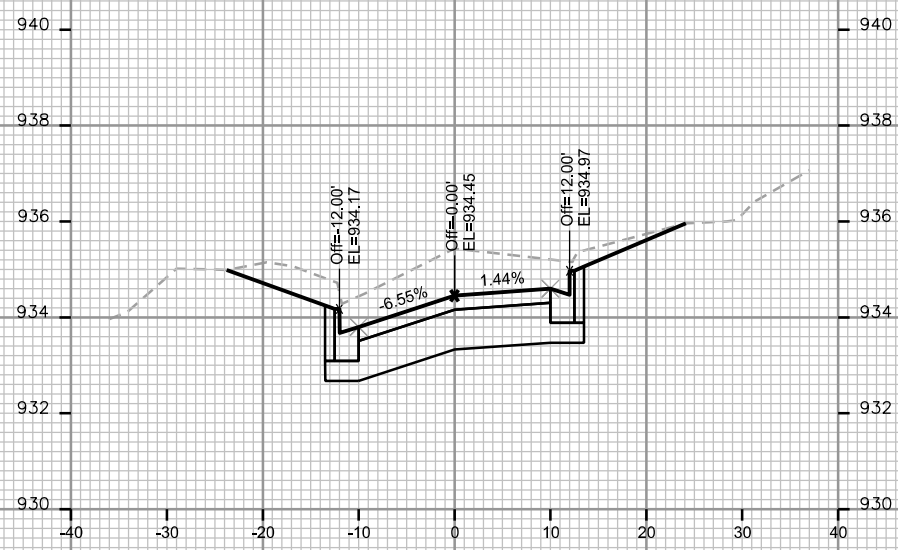
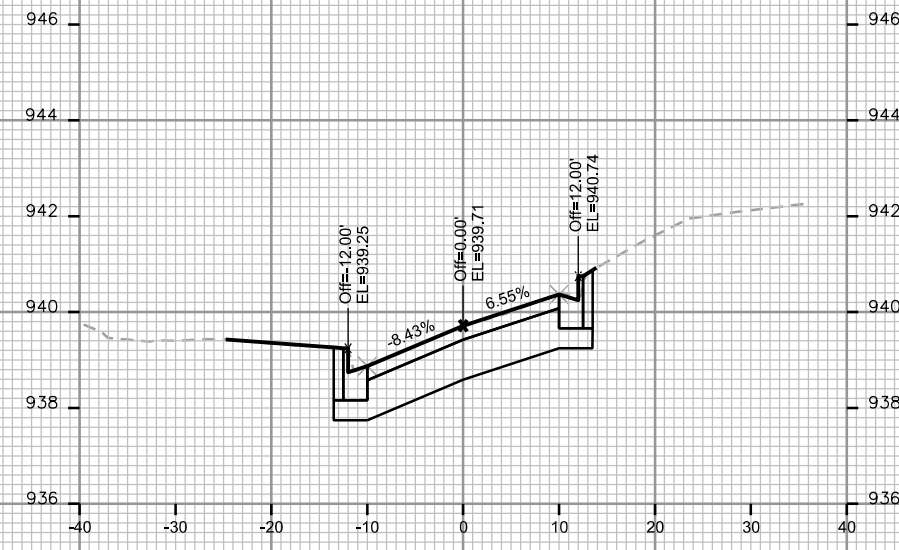
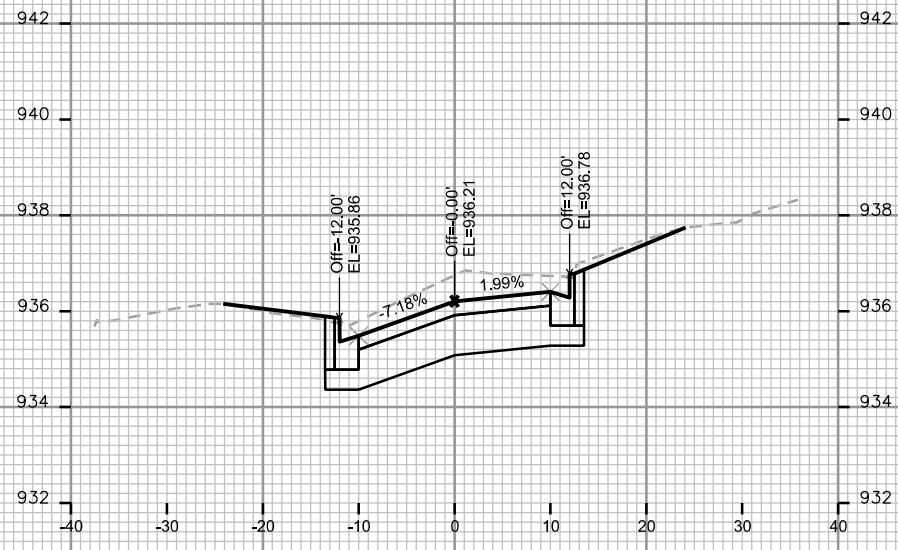
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

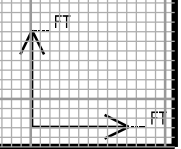
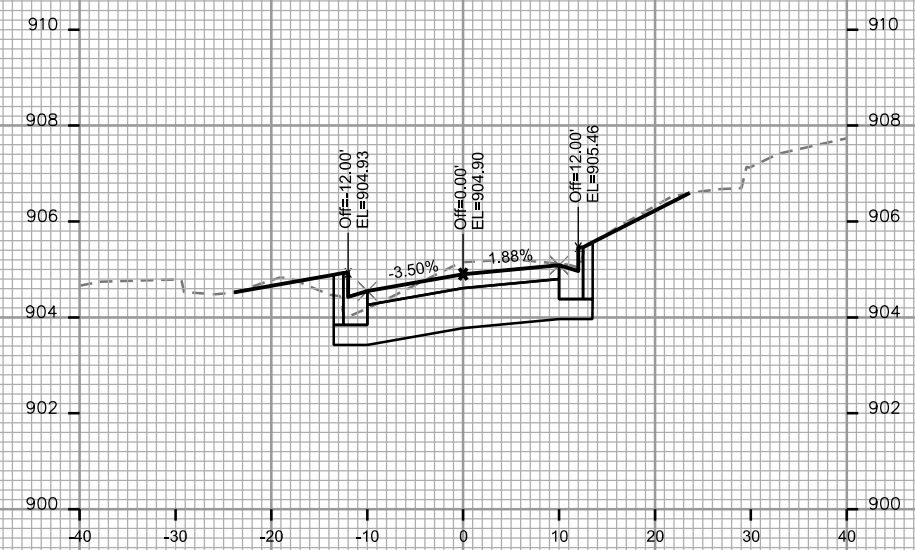
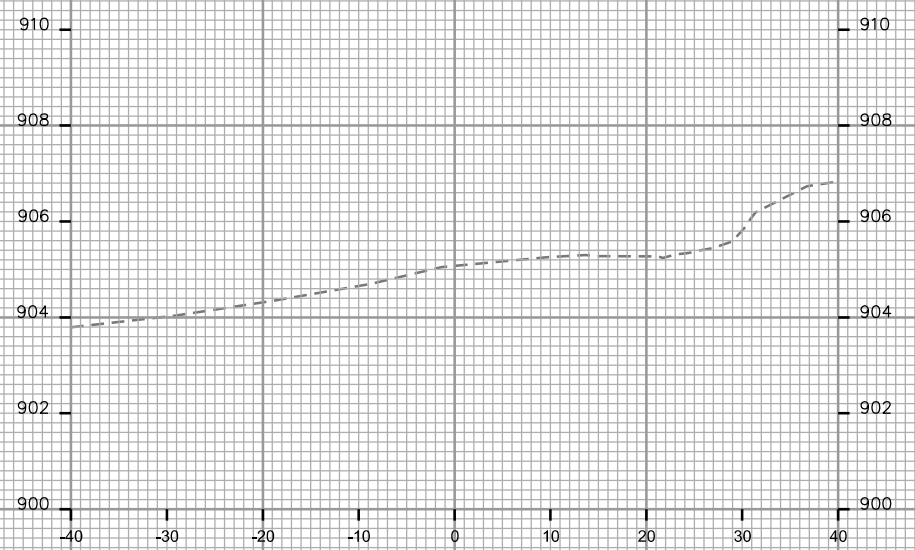
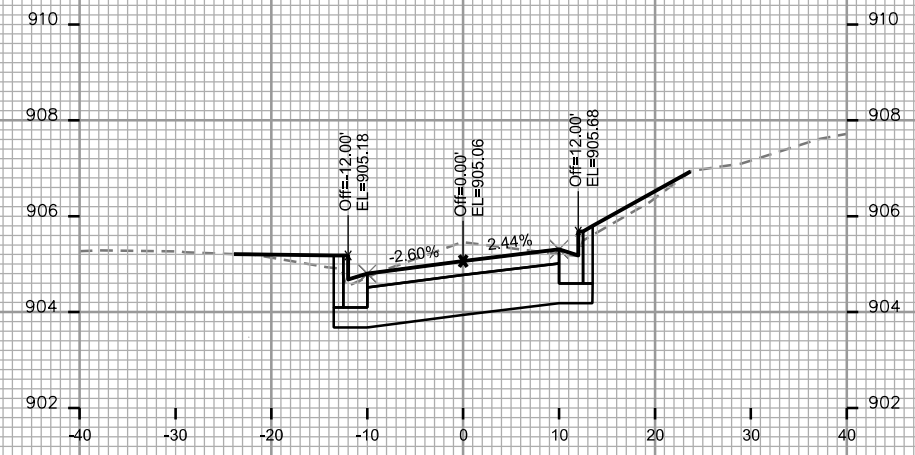
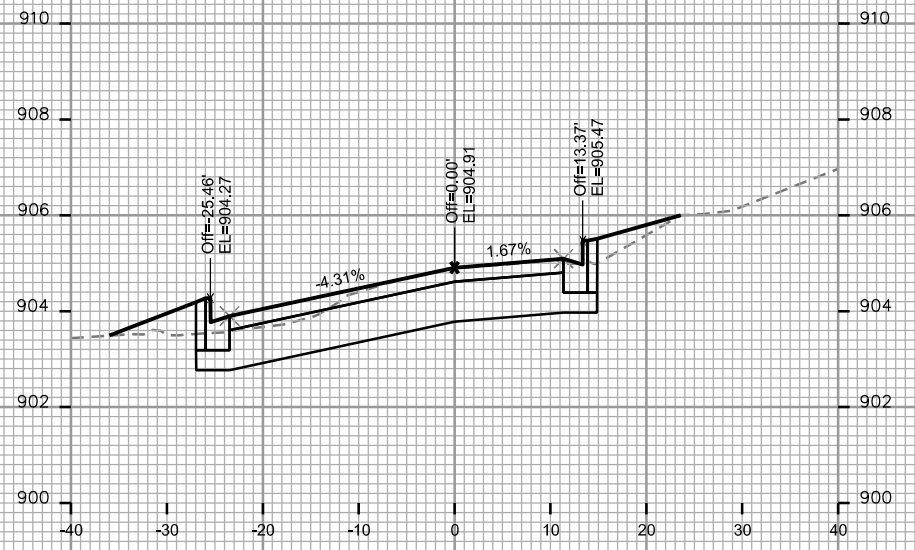
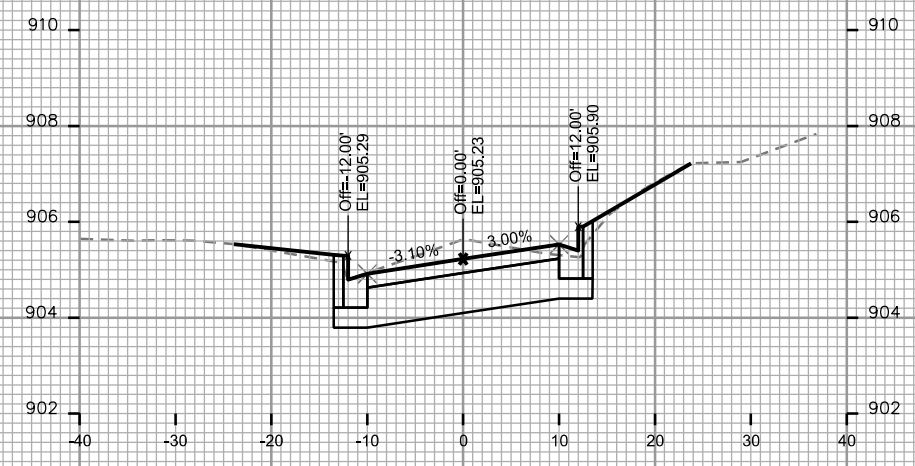


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

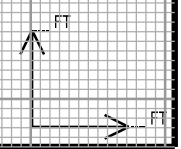
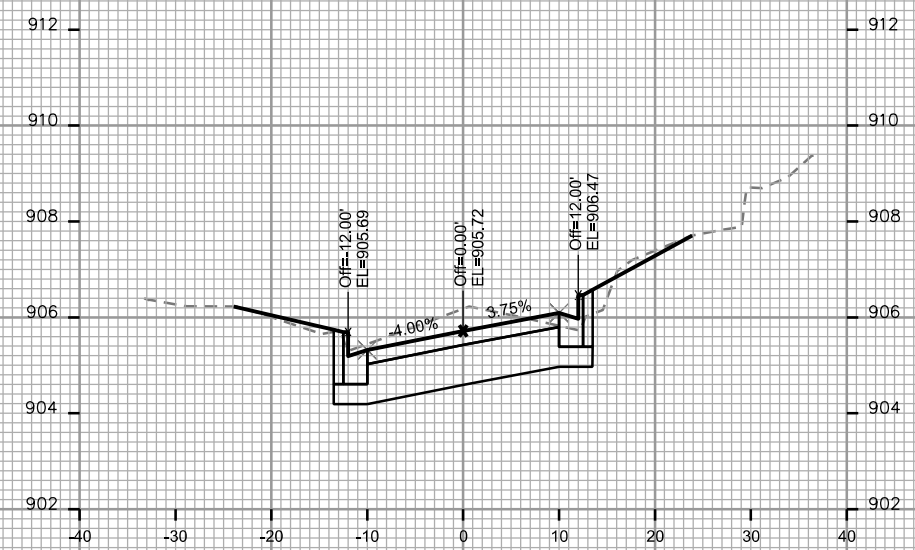
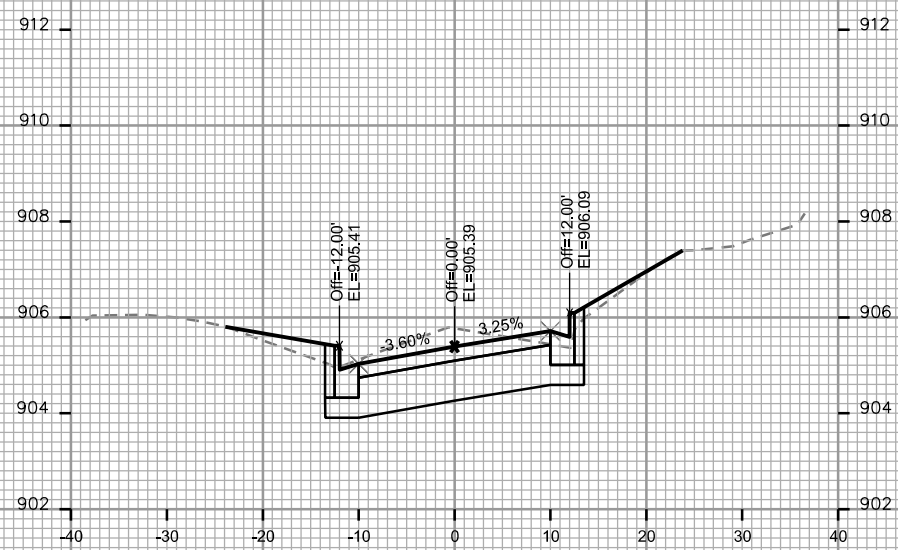
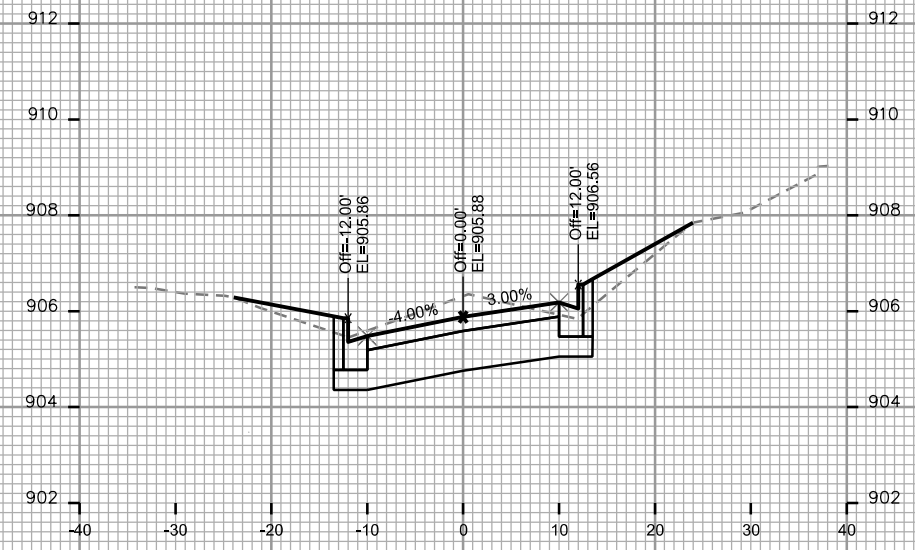
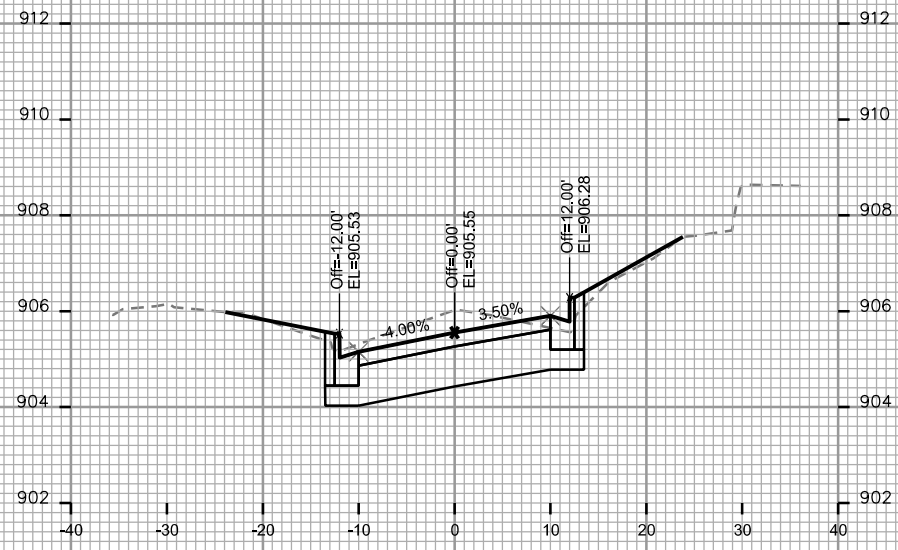


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

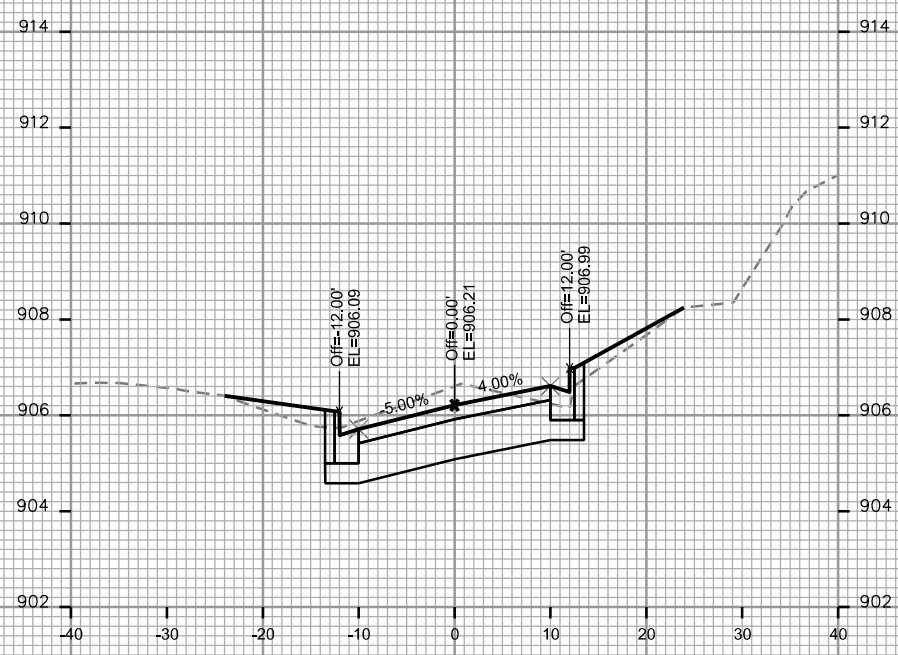


PLOT SCALE: _____

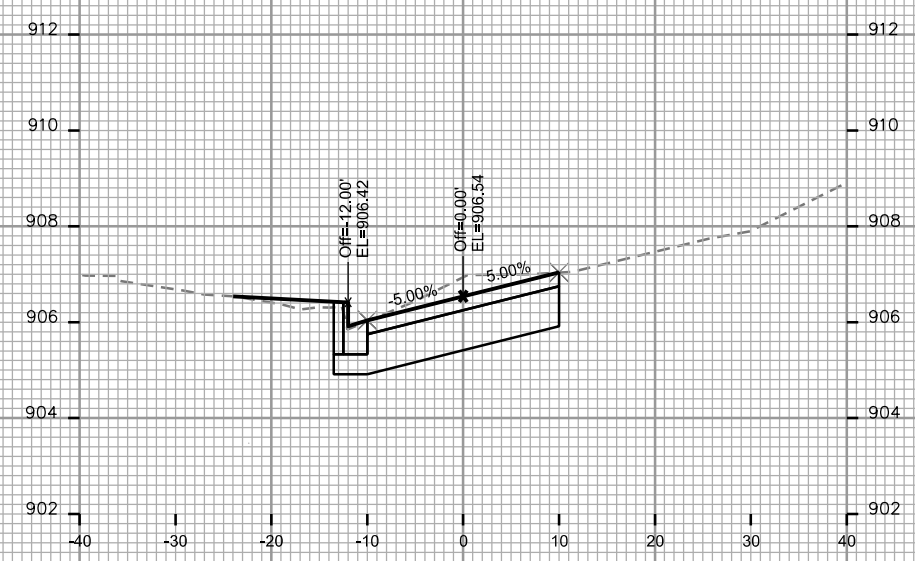
PLOT NAME: _____

REV. DATE: _____

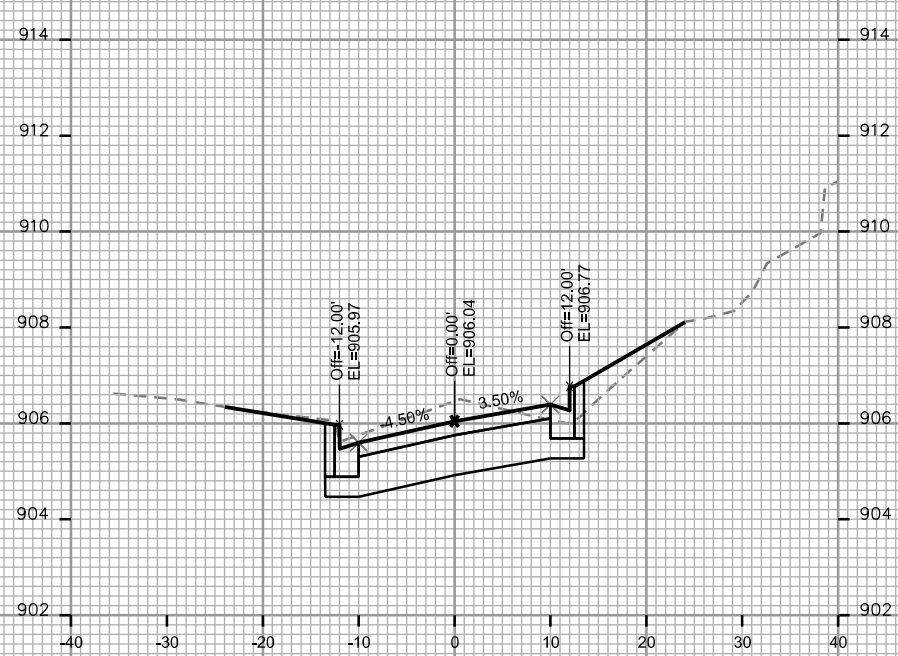
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



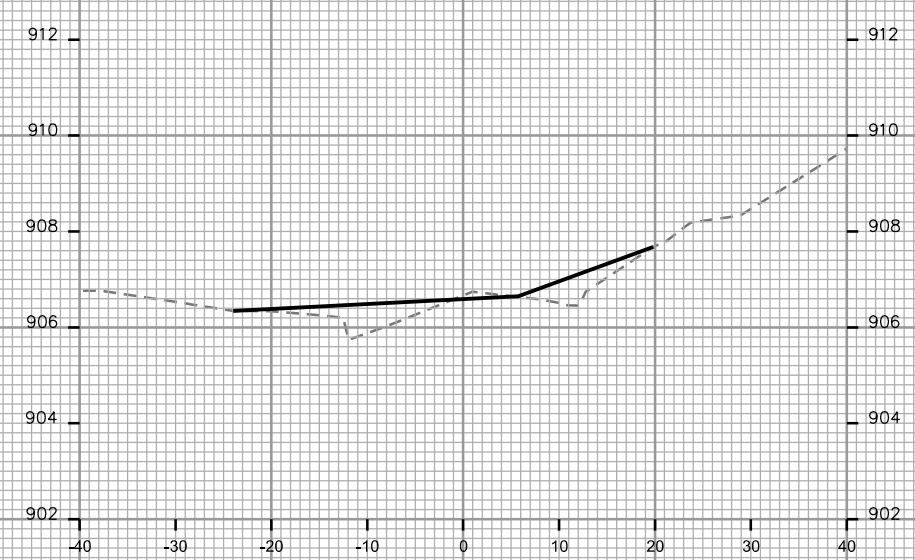
STA. 12+50



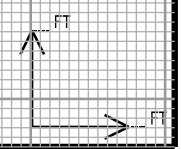
STA. 13+00



STA. 12+25



STA. 12+75

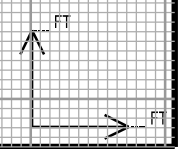
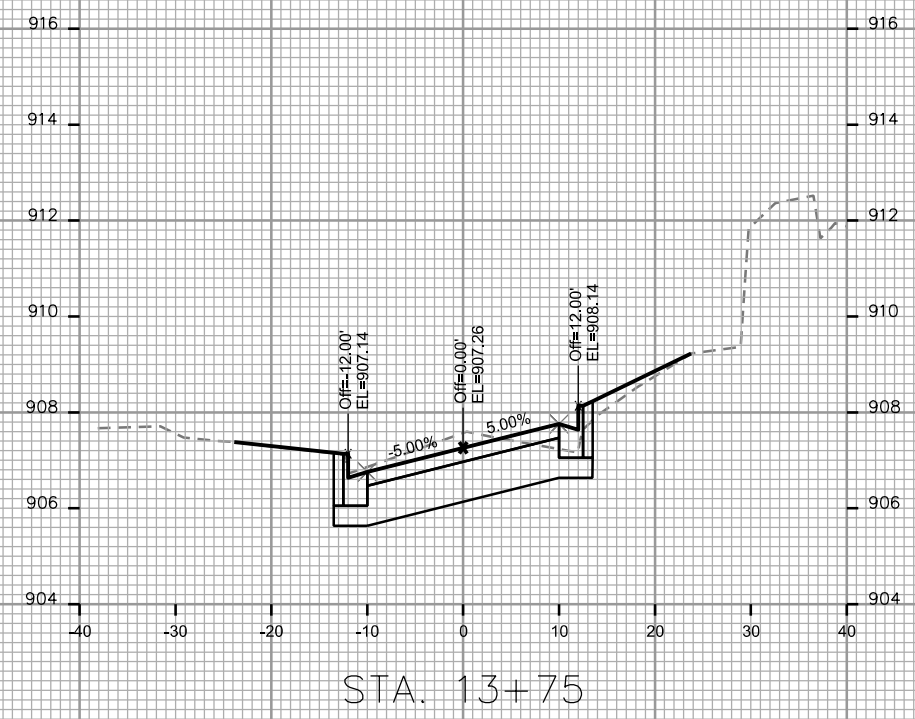
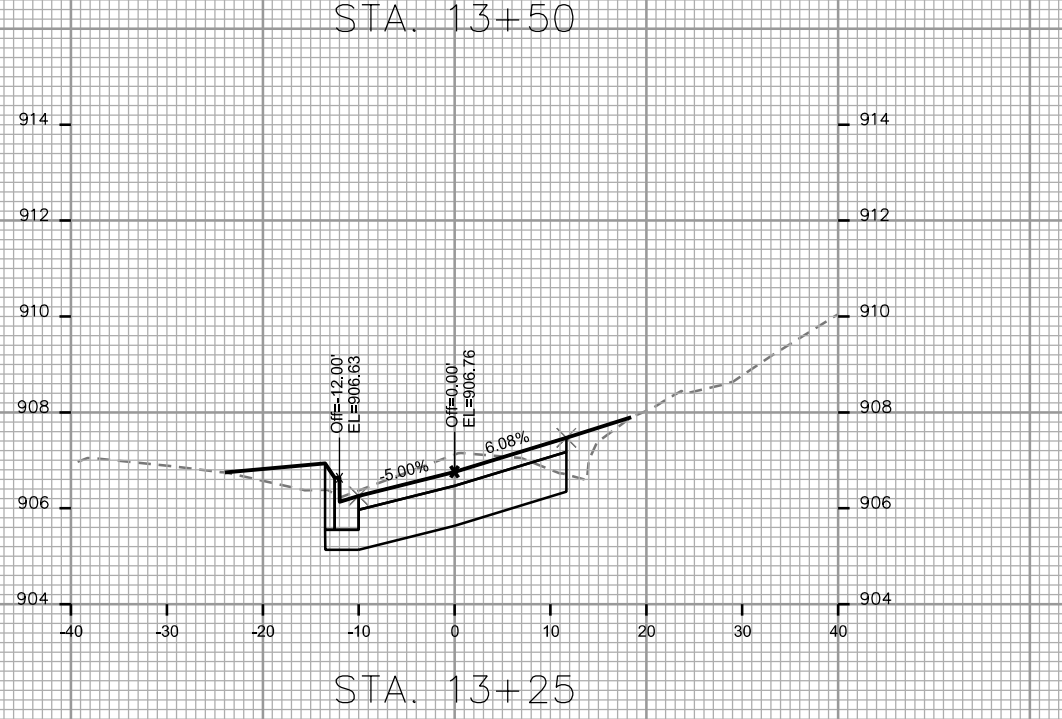
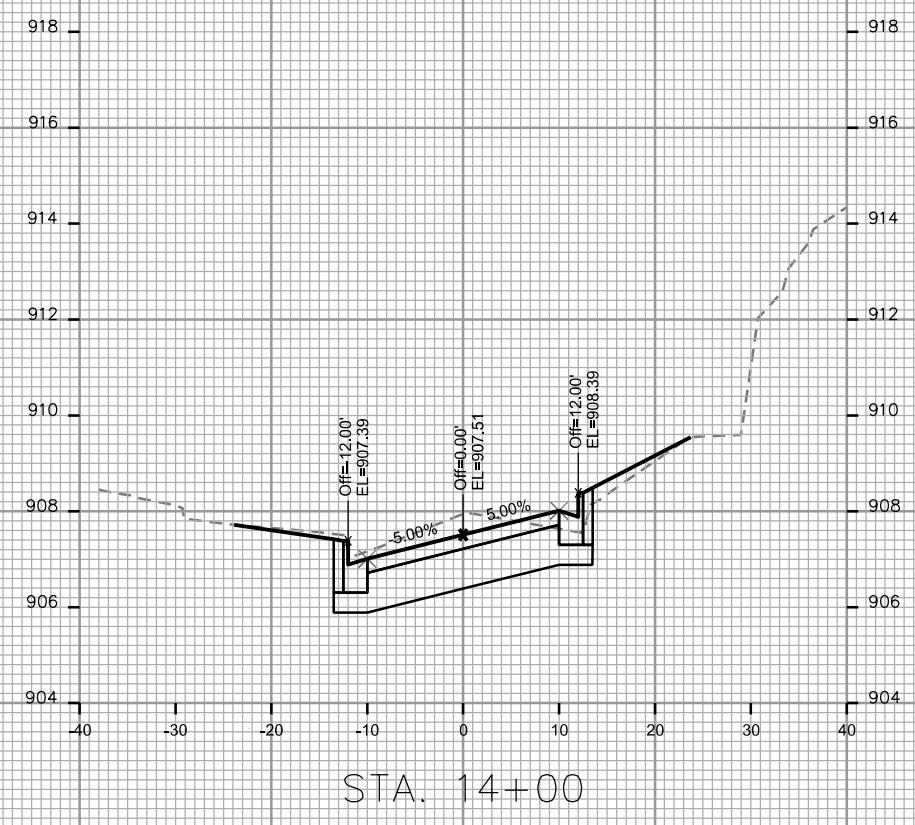


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

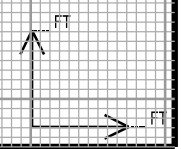
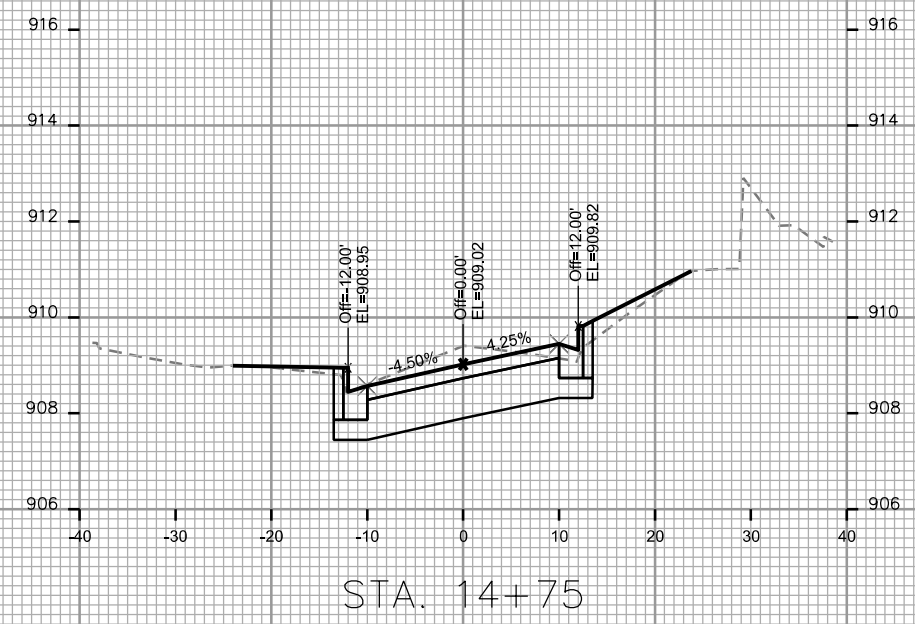
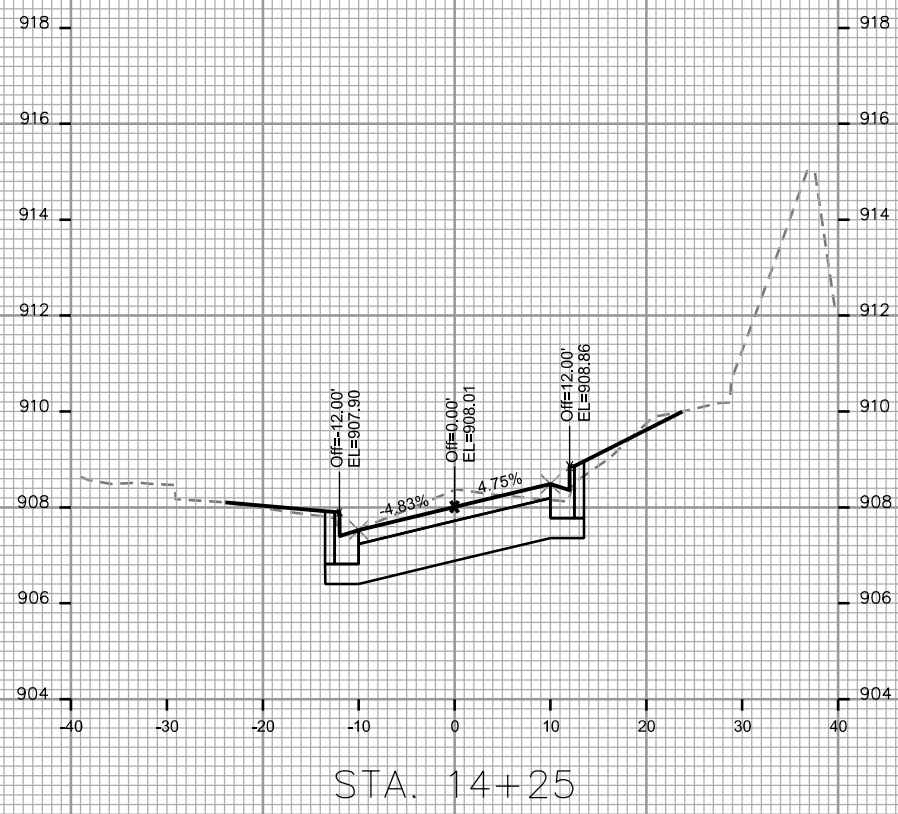
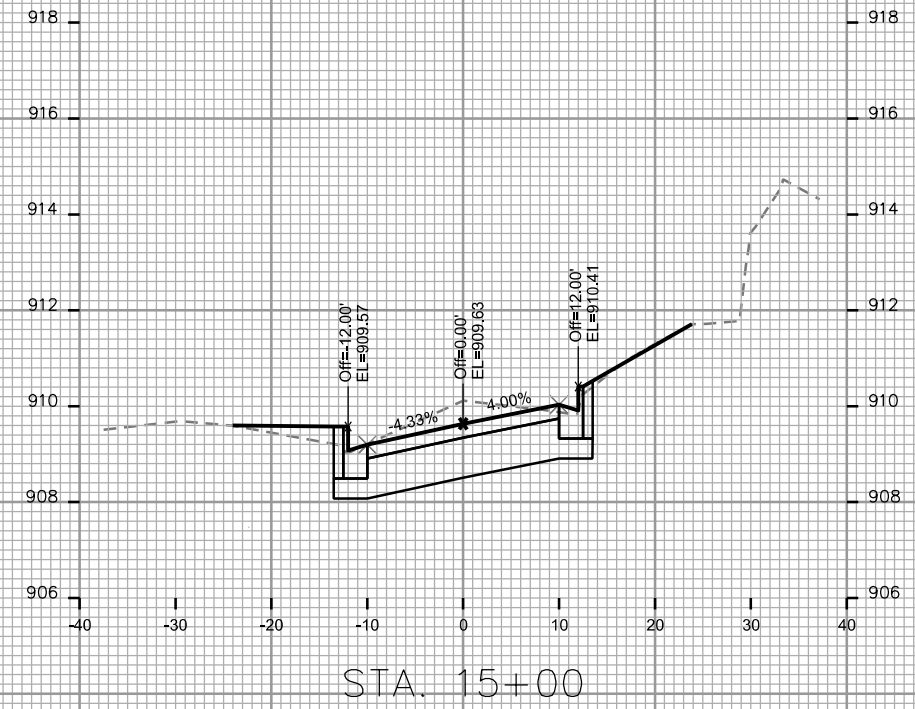
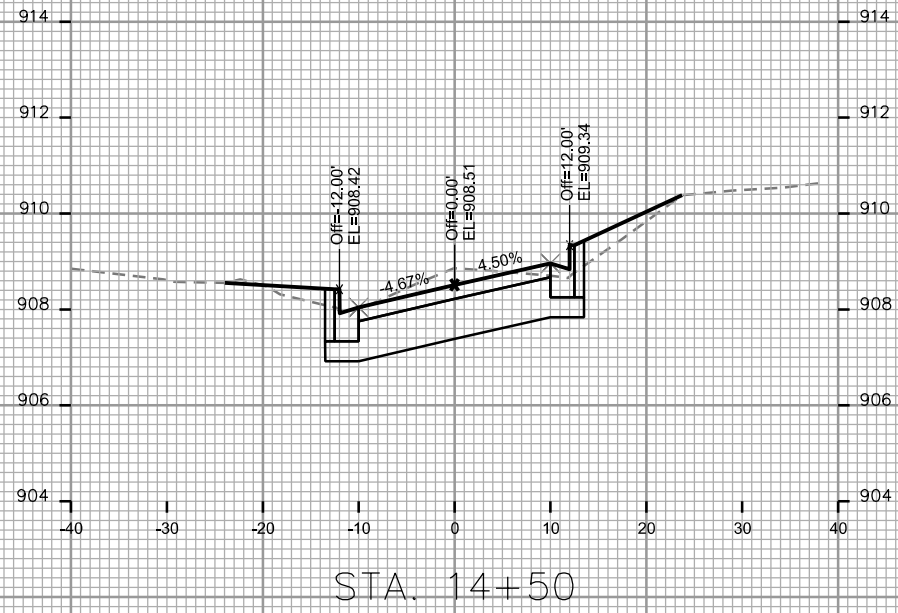


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

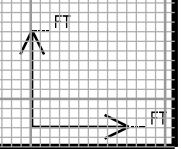
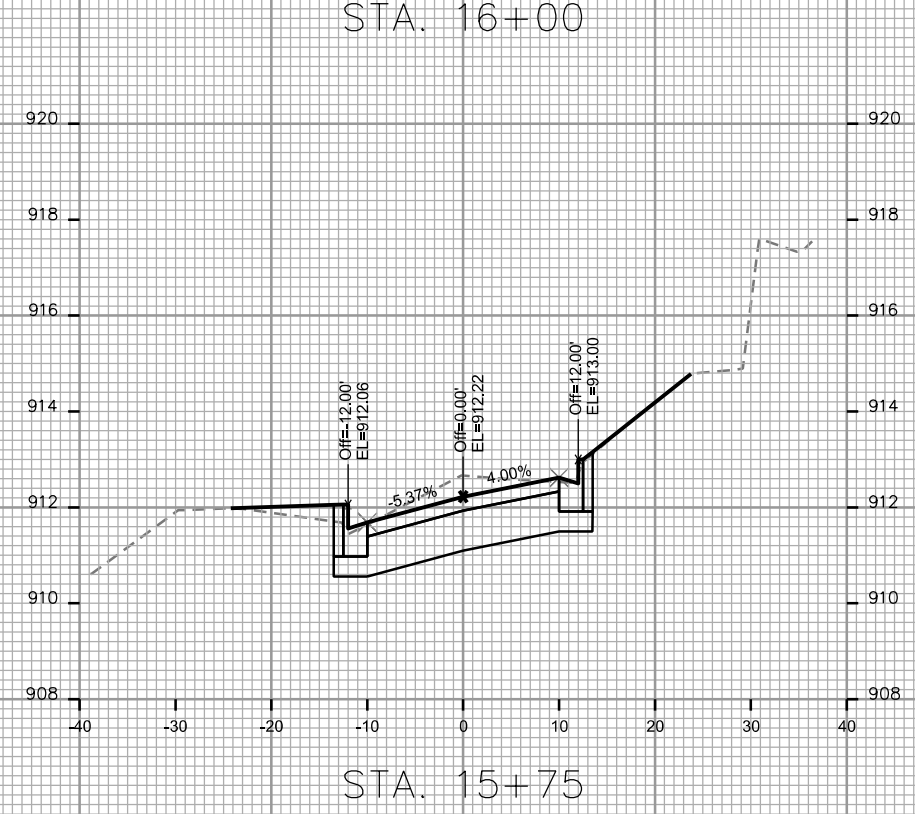
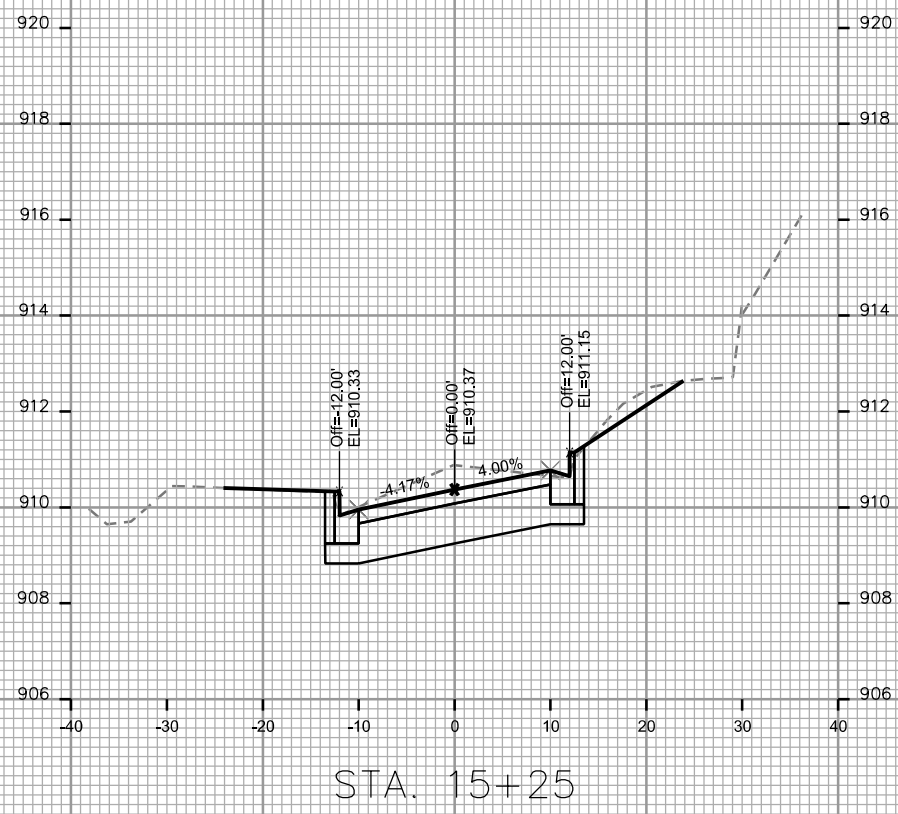
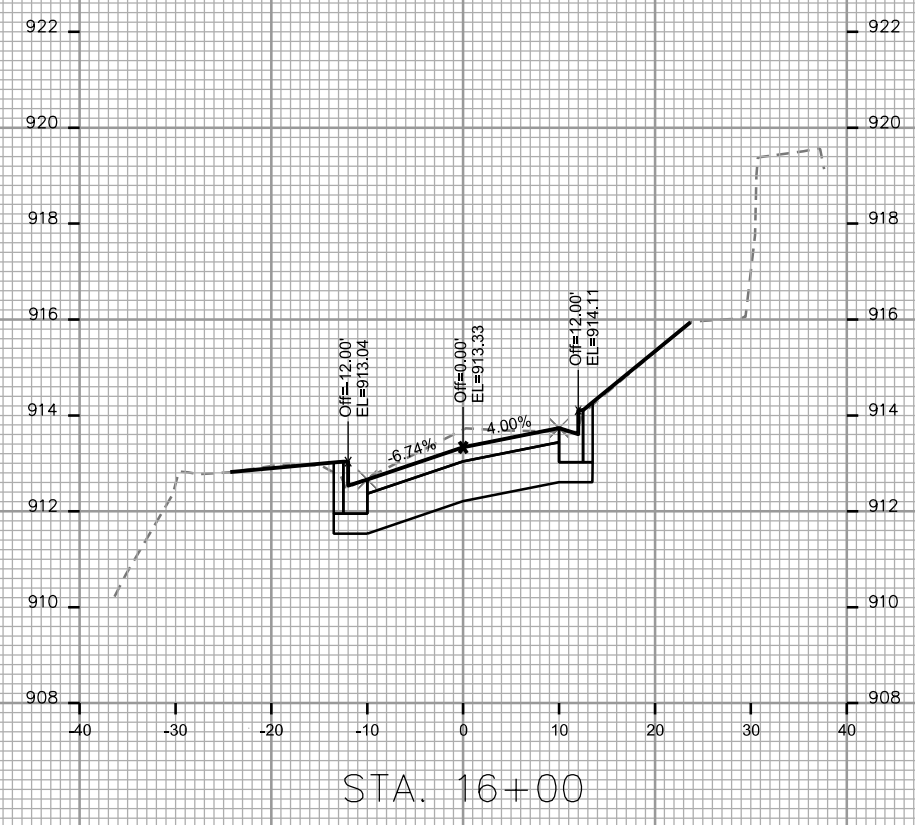
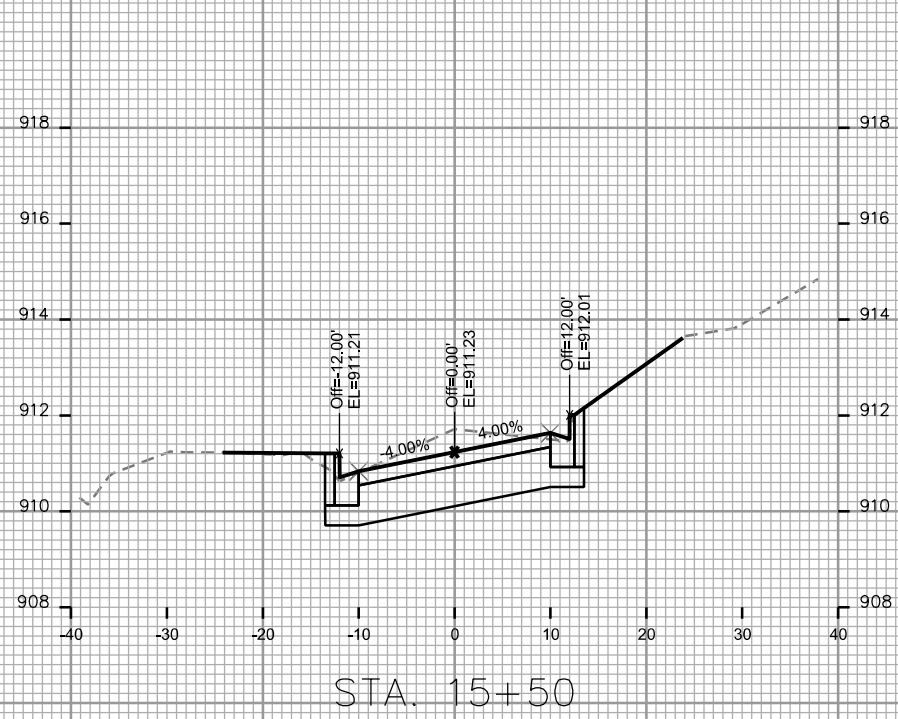


CROSS SECTIONS
 Chamberlain Avenue CITY OF MADISON

PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

Chamberlain Avenue

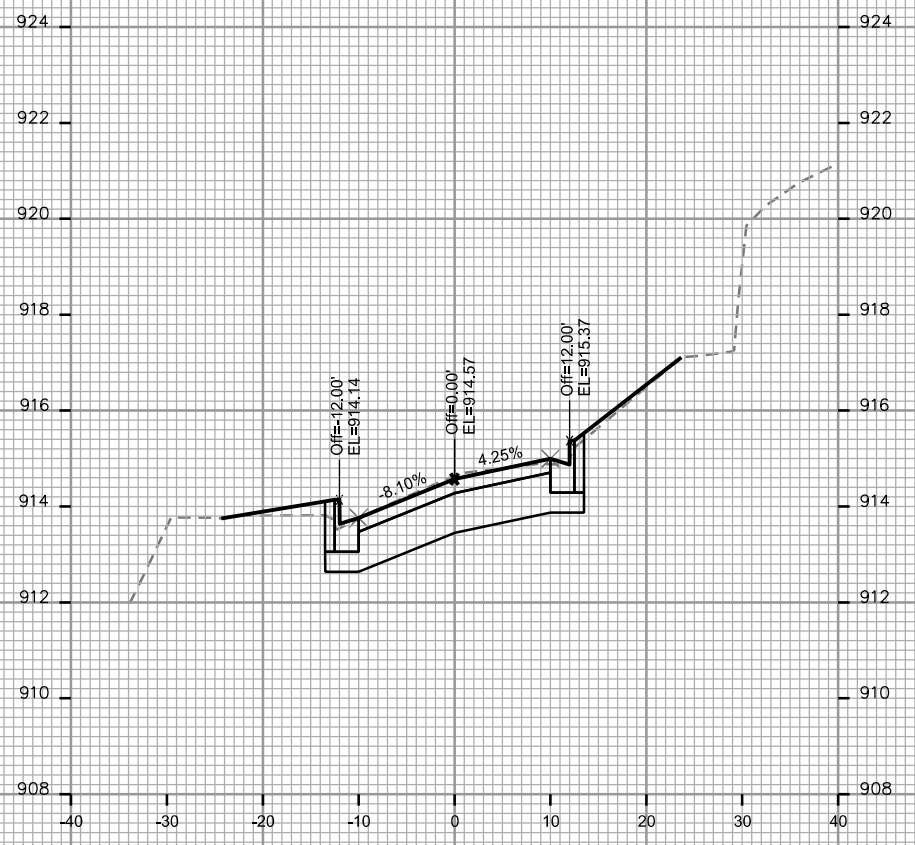
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 16+25

