

Madison, Wisconsin

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CITY OF MADISON
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

WESTWIND

CITY PROJECT NO. 13910
CONTRACT NO. 9126

PROJECT
LOCATION



PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE: MARCH 1, 2022

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature]

May 23, 2023

City Engineer

Date

STREET
DESIGNED BY:



May 23, 2023

GEOMETRICS
DESIGNED BY:



May 23, 2023

STORM SEWER
DESIGNED BY:



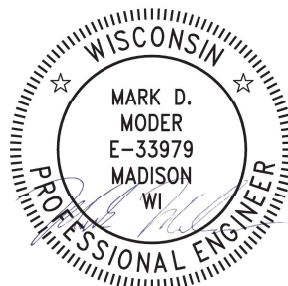
May 23, 2023

WATER
DESIGNED BY:



May 23, 2023

SANITARY SEWER
DESIGNED BY:



May 23, 2023

PLOT SCALE: 1 IN=1 FT_XREF

PLOT NAME: ---

REV. DATE: 4/27/2023 11:19 AM

ORIGINATOR: CITY_OF_MADISON

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

ALL PAVEMENT IN THE EMERALD ELM ROAD, WISTERIA STREET, GOLDEN EAGLE DRIVE, AND HYDRANGEA ROAD RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE ELDERBERRY ROAD AND PIONEER ROAD RIGHT-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD
DETAIL DRAWING 4.02.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT. THE CITY PROJECT ENGINEER IS FADI EL MUSA, EMAIL: FELMUSAGONZALEZ@CITYOFMADISON.COM

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION.

FIELD VERIFY ALL UTILITY LOCATIONS

STORM SEWER — ST —

SANITARY SEWER ——— SAN ———

WATER ——— W ———

BURIED ELECTRIC — E —

OVERHEAD ELECTRIC — OH —

POWER POLE 

ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD

COMBUSTIBLE FLUIDS 



13910

D-1

STANDARD NOTES

WEST WIND

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13910

MADISON, WI

0716

CONTRACT NO.

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REVISION
DATE: 4/24/2023

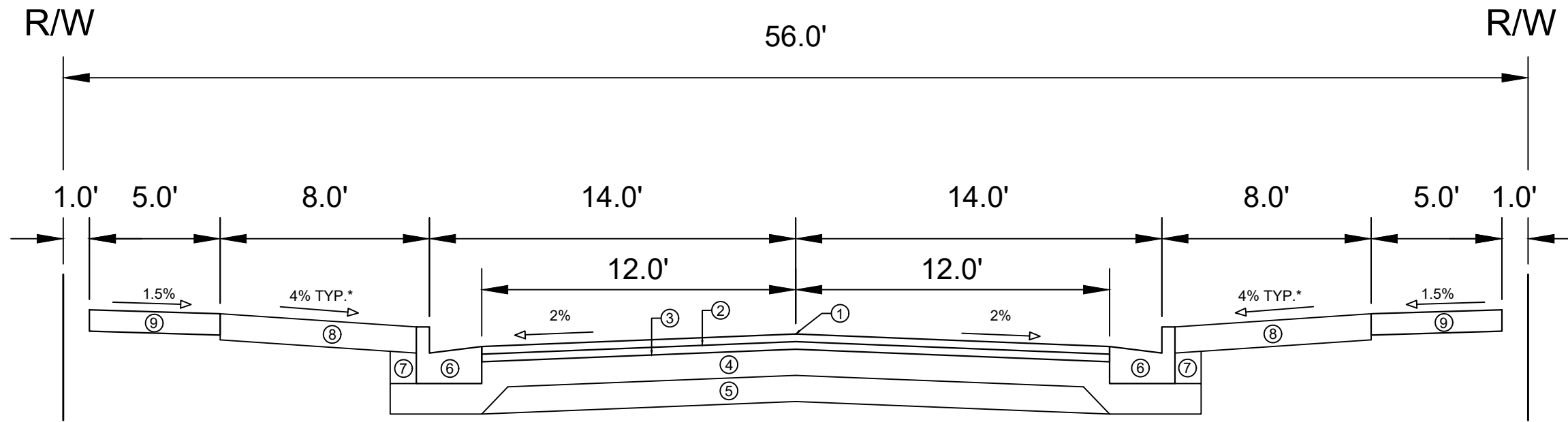
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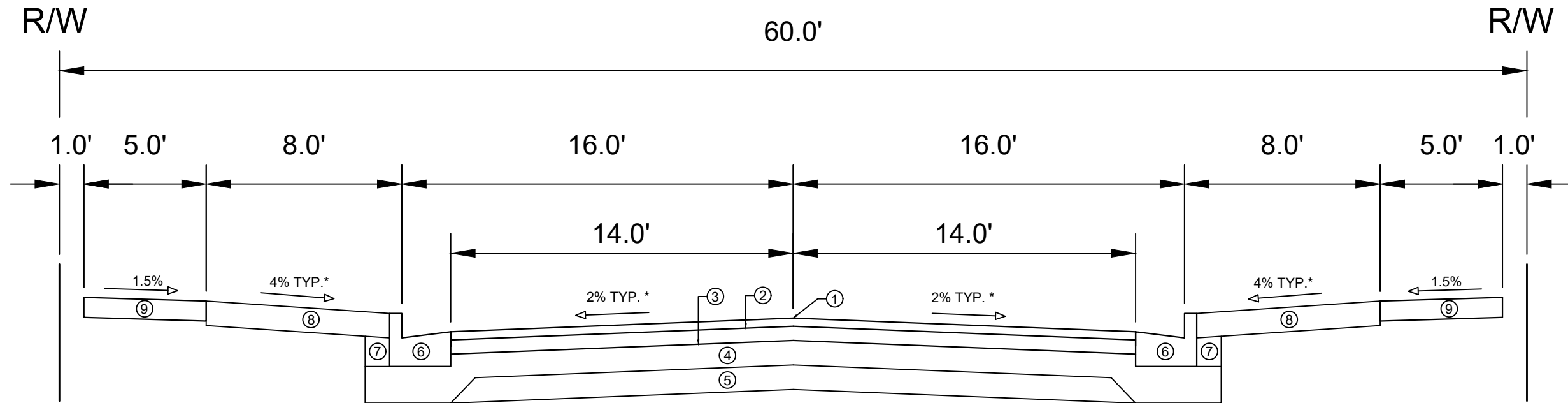
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- ③ 3.5" H.M.A. PAVEMENT- TYPE 3 MT 58-28 S
- ④ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- ⑤ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A'.
- ⑦ FILL
- ⑧ 6" TOPSOIL, SEED AND MATTING
- ⑨ 5" CONCRETE SIDEWALK



D-2



TYPICAL SECTION
CLEAR POND WAY
(STA 608+00 TO STA 610+07)



TYPICAL SECTION
CLEAR POND WAY
(STA 593+51 TO STA 608+00)

SPECIAL NOTES:

- * SEE P AND X SHEETS FOR CROSS SLOPES
- ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

- ① POINT REFERRED TO ON PROFILE
- ② 2.0" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S**
- ③ 2.5" H.M.A. PAVEMENT- TYPE 3 LT 58-28 S
- ④ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- ⑤ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A'.
- ⑦ FILL
- ⑧ 6" TOPSOIL, SEED AND MATTING
- ⑨ 5" CONCRETE SIDEWALK

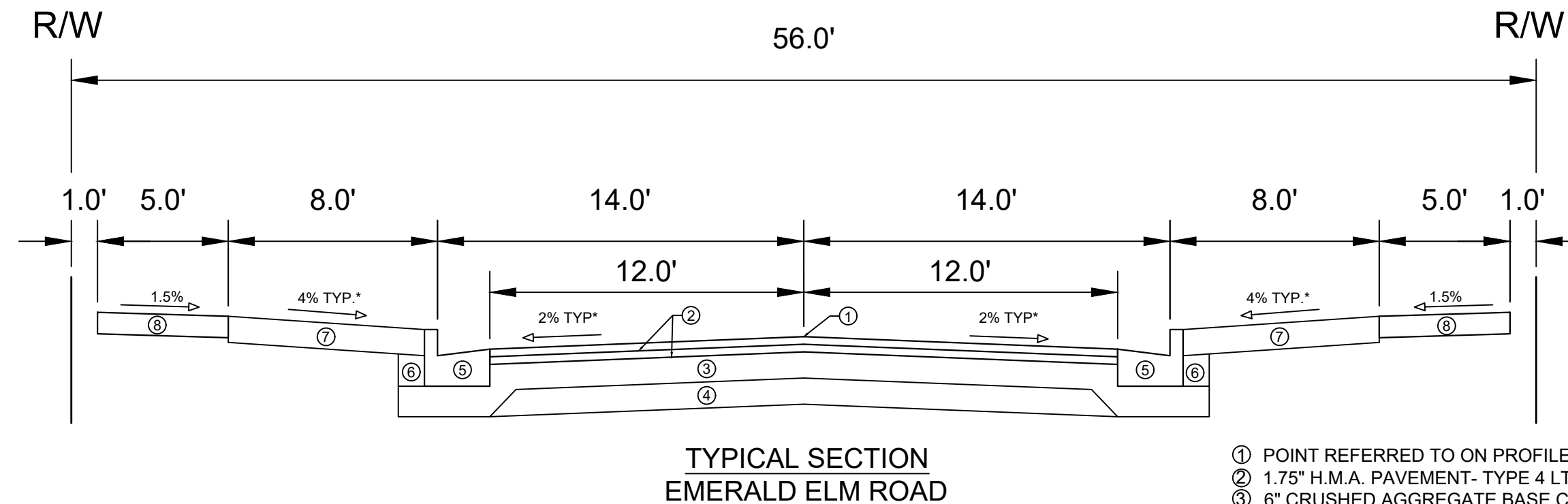
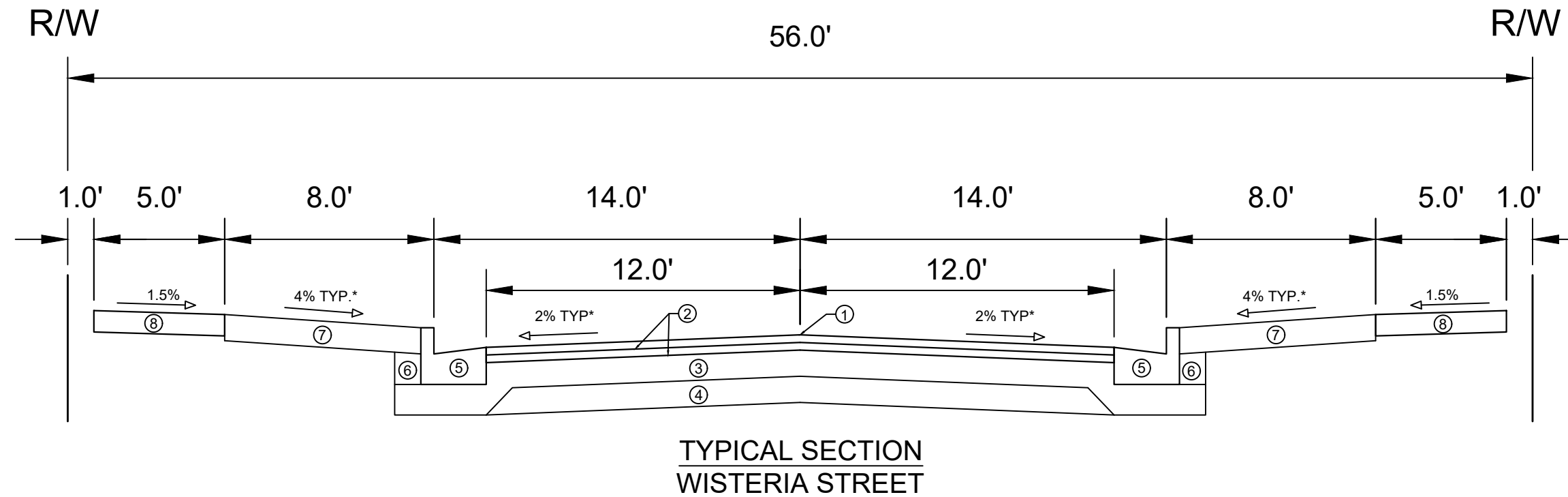
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MADISON, WI
9126
CONTRACT NO:

TYPICAL SECTIONS
WESTWIND
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D-3



SPECIAL NOTES:

- * SEE P AND X SHEETS FOR CROSS SLOPES
 ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S**
- ③ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- ④ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- ⑤ CONCRETE CURB AND GUTTER TYPE 'A'.
- ⑥ FILL
- ⑦ 6" TOPSOIL, SEED AND MATTING
- ⑧ 5" CONCRETE SIDEWALK

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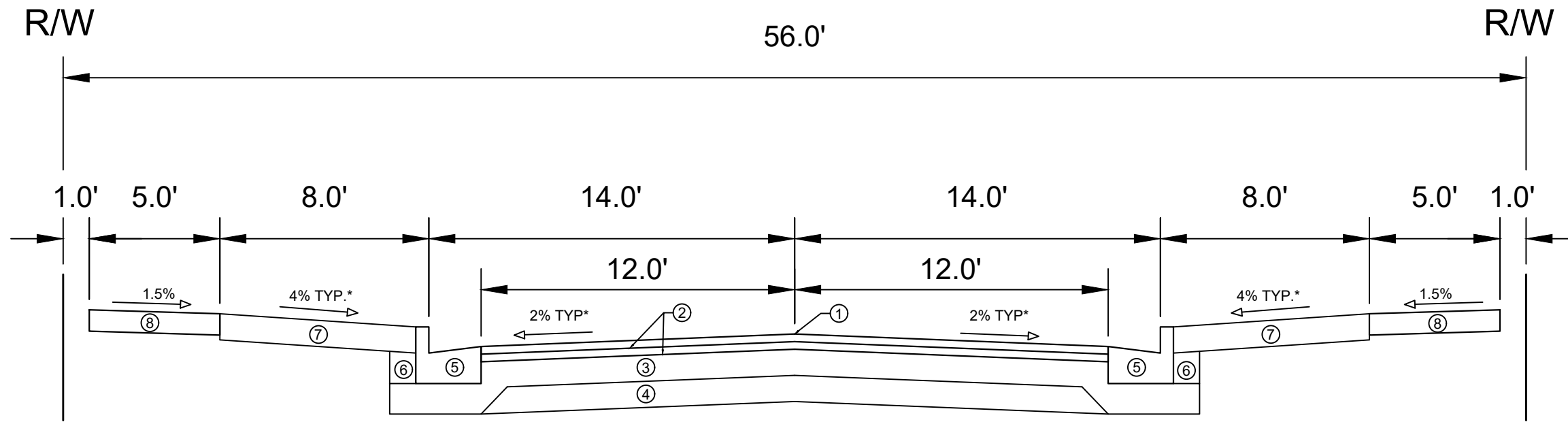
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CONTRACT NO: 9126	

TYPICAL SECTIONS
WESTWIND

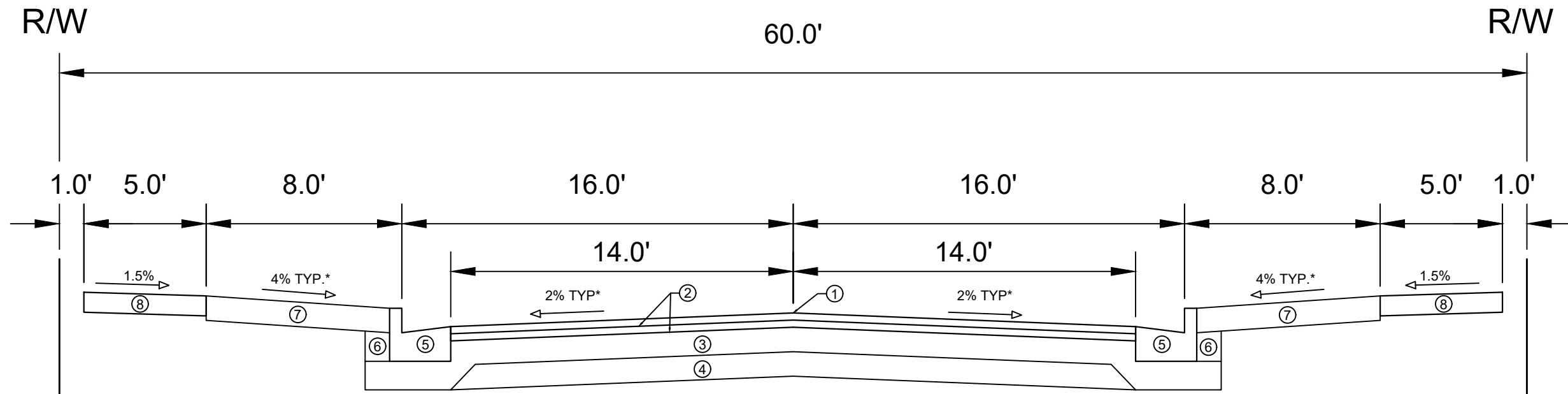
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D-4



TYPICAL SECTION
HYDRANGEA ROAD



TYPICAL SECTION
GOLDEN EAGLE DRIVE

SPECIAL NOTES:

- * SEE P AND X SHEETS FOR CROSS SLOPES
- ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S**
- ③ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- ④ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- ⑤ CONCRETE CURB AND GUTTER TYPE 'A'.
- ⑥ FILL
- ⑦ 6" TOPSOIL, SEED AND MATTING
- ⑧ 5" CONCRETE SIDEWALK

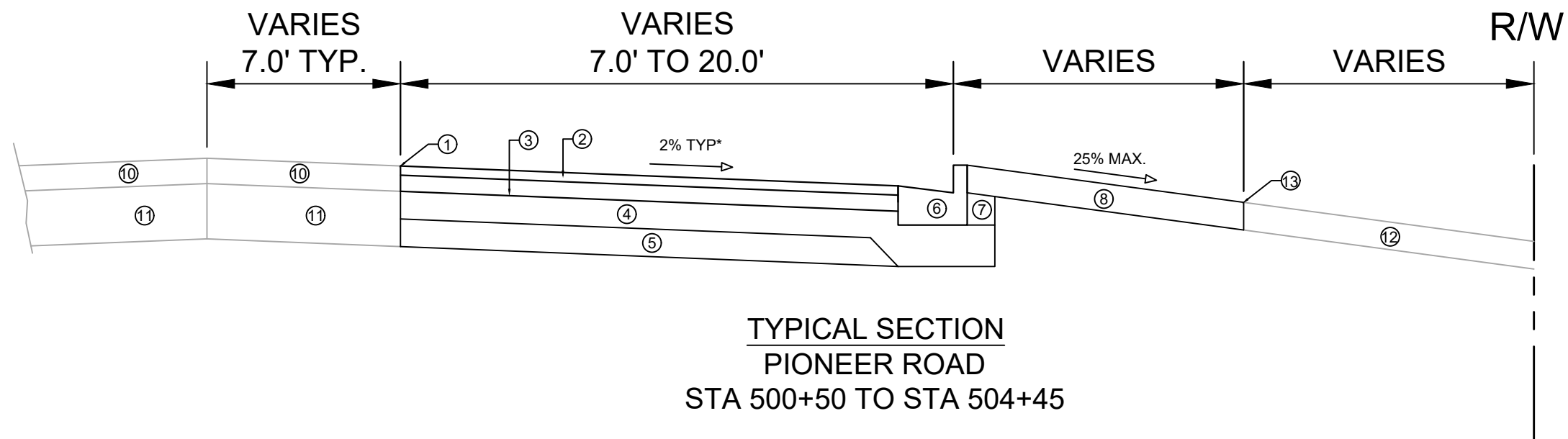
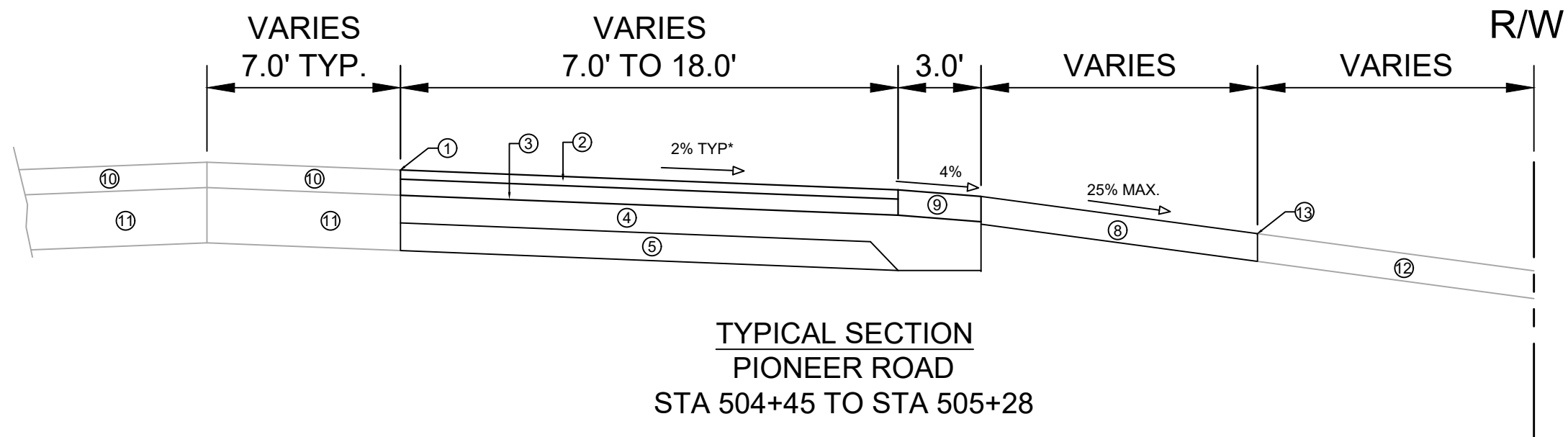
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MADISON, WI
9126
CONTRACT NO:

TYPICAL SECTIONS
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D-5

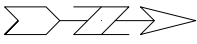


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- ③ 3.5" H.M.A. PAVEMENT- TYPE 3 MT 58-28 S
- ④ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- ⑤ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A'.
- ⑦ FILL
- ⑧ 6" TOPSOIL, SEED AND MATTING
- ⑨ 5" CRUSHED AGGREGATE BASE COURSE GRADATION 2, TOPPED WITH 1/2" CRUSHED AGGREGATE BASE COURSE GRADATION 3
- ⑩ EX. PAVEMENT TO REMAIN
- ⑪ EX. PAVEMENT BASE TO REMAIN
- ⑫ EX. GROUND
- ⑬ MATCH EX. GROUND

SPECIAL NOTES:

- * X SHEETS FOR CROSS SLOPES
- ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

13910	MADISON, WI	9126	13910	D-6
TYPICAL SECTIONS	WESTWIND	CONTRACT NO:	DESIGNED BY: 13910	DATE: 9/22/2023 10:31 AM
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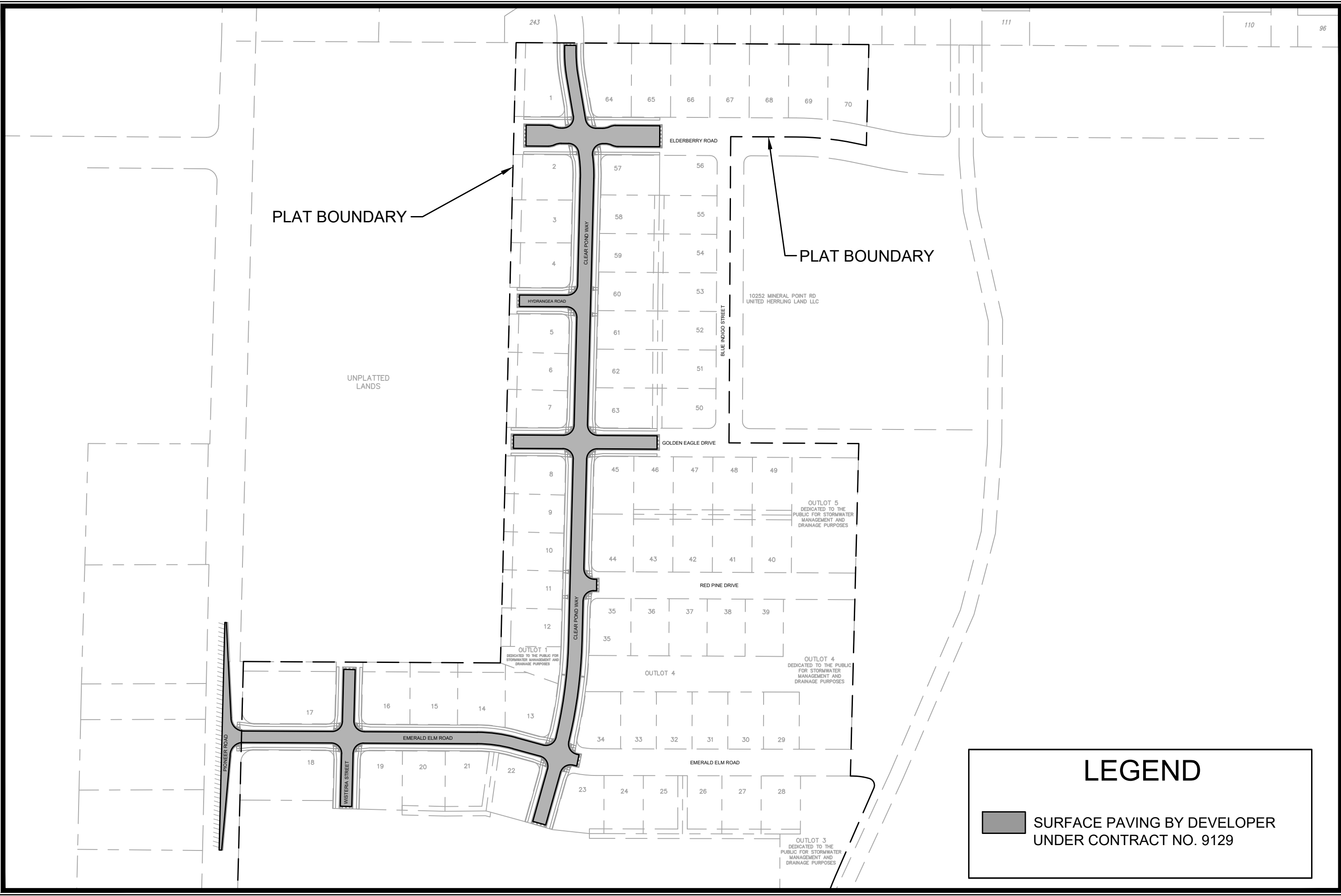
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9126

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13910			M-1	

M-1



LEGEND

SURFACE PAVING BY DEVELOPER
UNDER CONTRACT NO. 9129

OVERVIEW PLAN

WESTWIND

13910

O-1

13910

MADISON, WI

CONTRACT NO: 9126

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REVISION

DATE

BY

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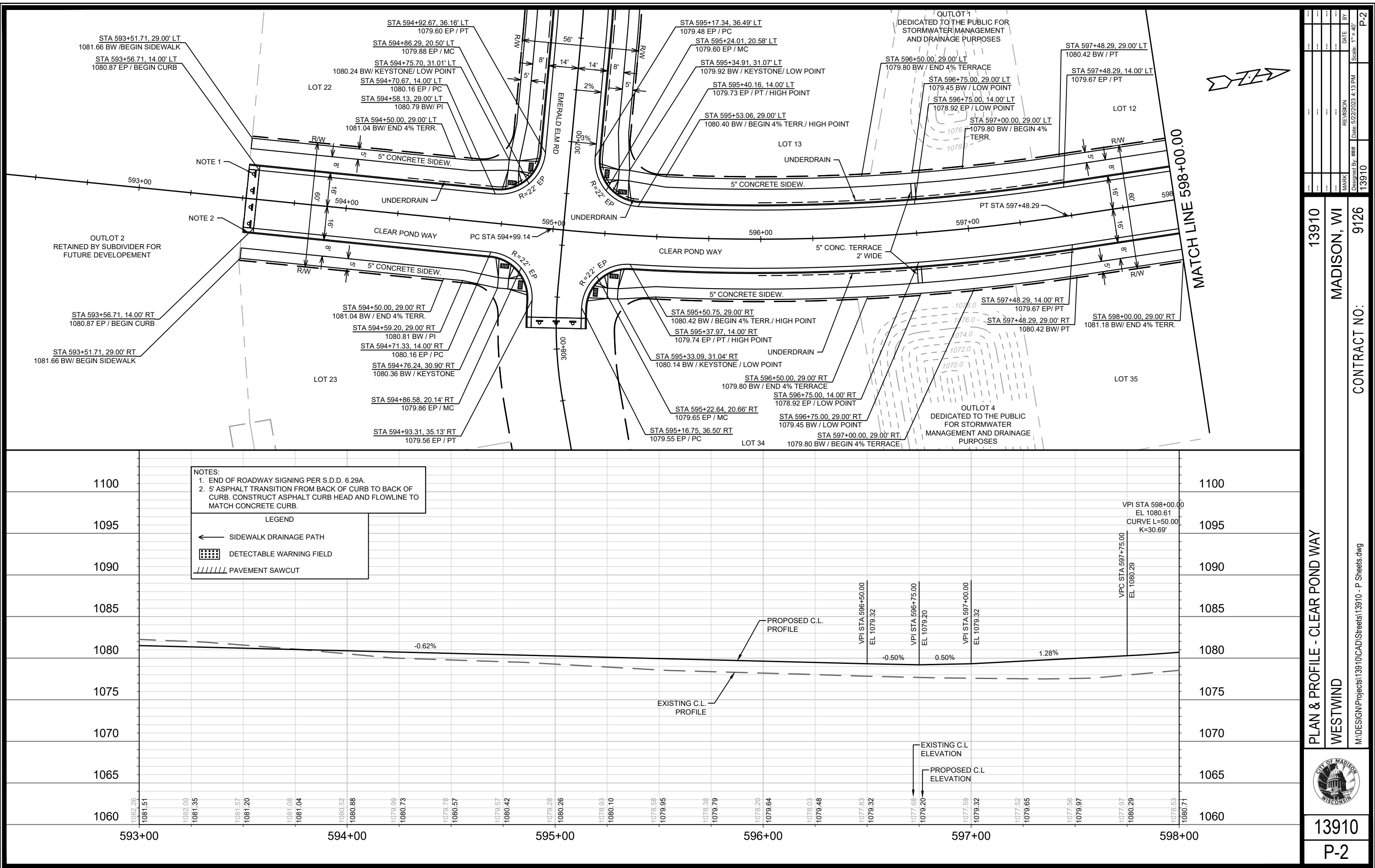
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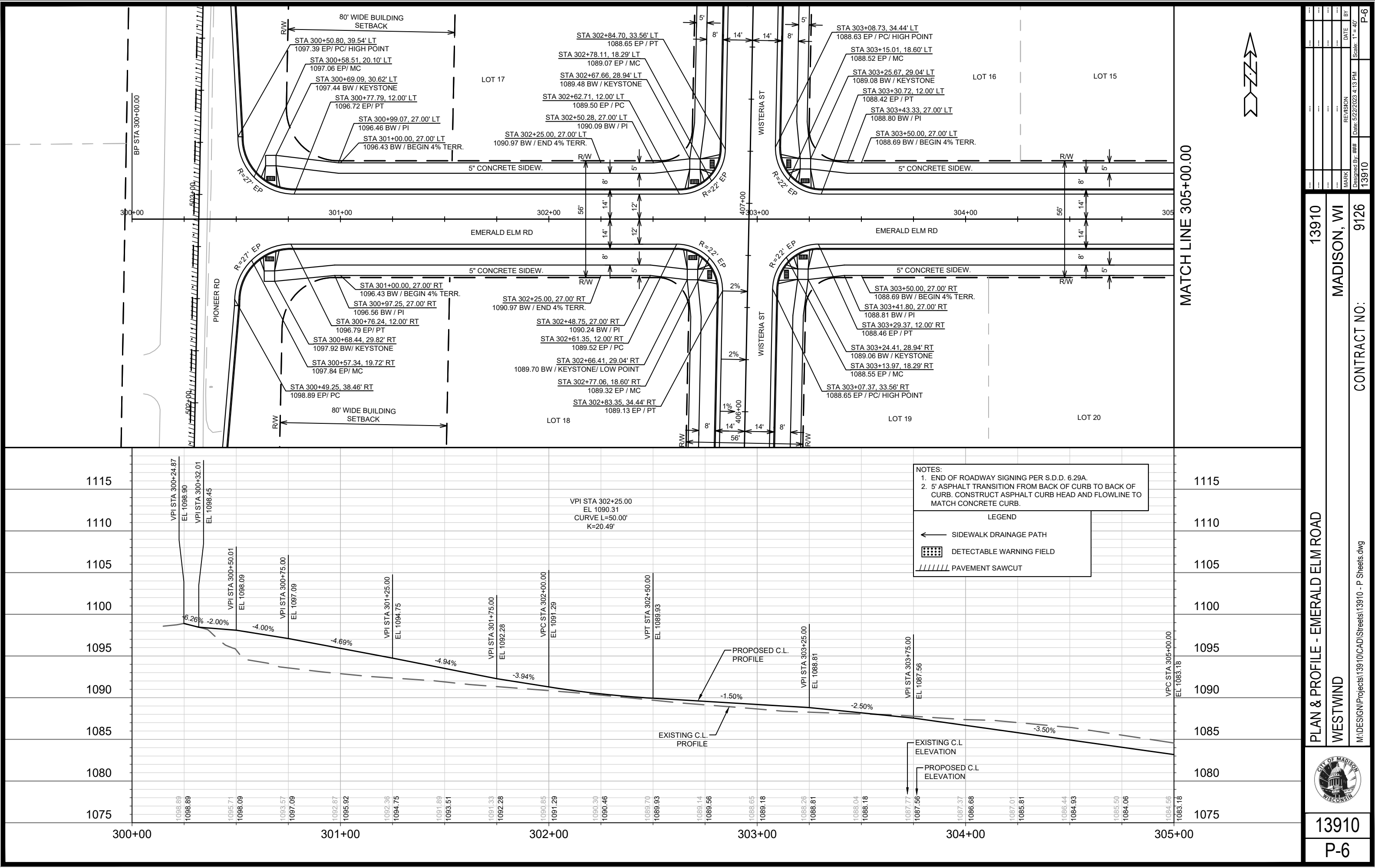
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MADISON, WI

CONTRACT NO: 9126

PLAN & PROFILE - EMERALD ELM ROAD

WESTWIND

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P-6

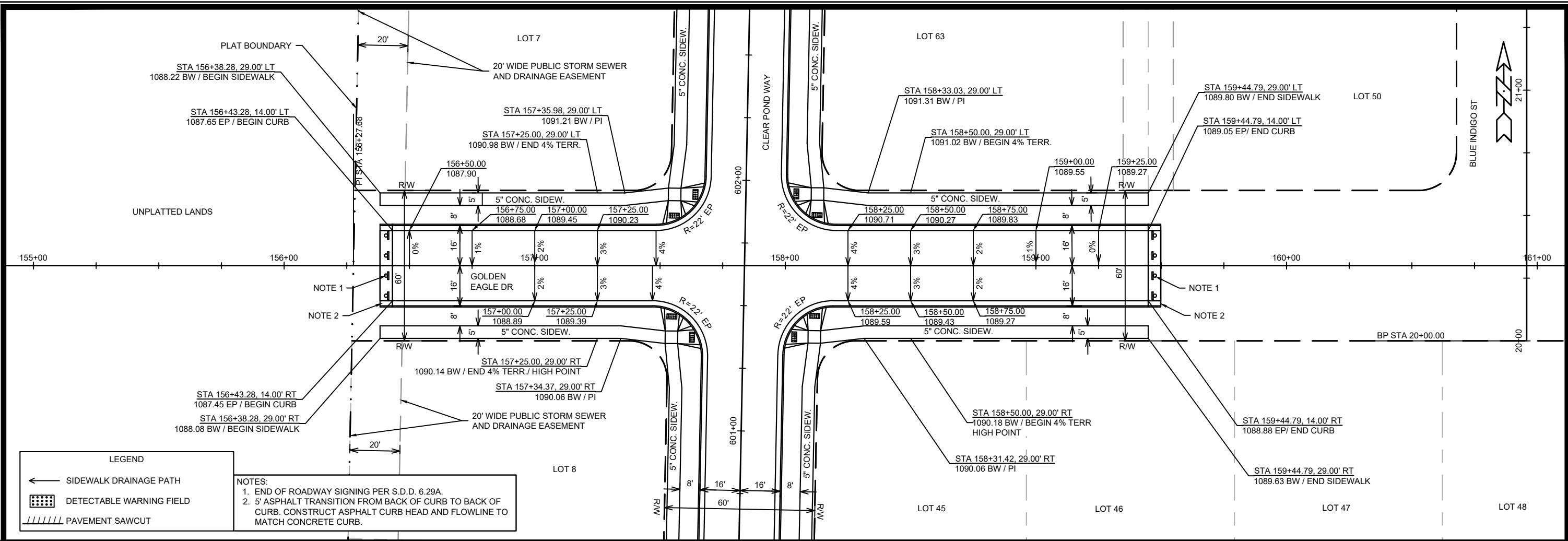
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P-6



LEGEND

← SIDEWALK DRAINAGE PATH

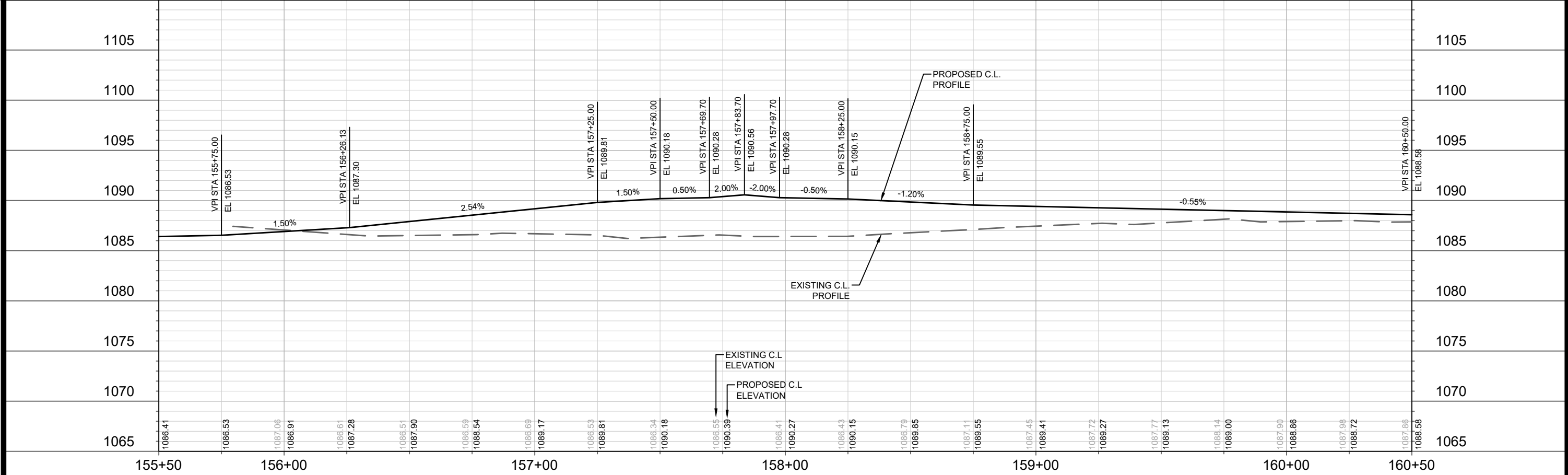
DETECTABLE WARNING FIELD

PAVEMENT SAWCUT

NOTES:

1. END OF ROADWAY SIGNING PER S.D.D. 6.29A.

2. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.



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MADISON, WI

CONTRACT NO: 9126

PLAN & PROFILE - GOLDEN EAGLE DRIVE

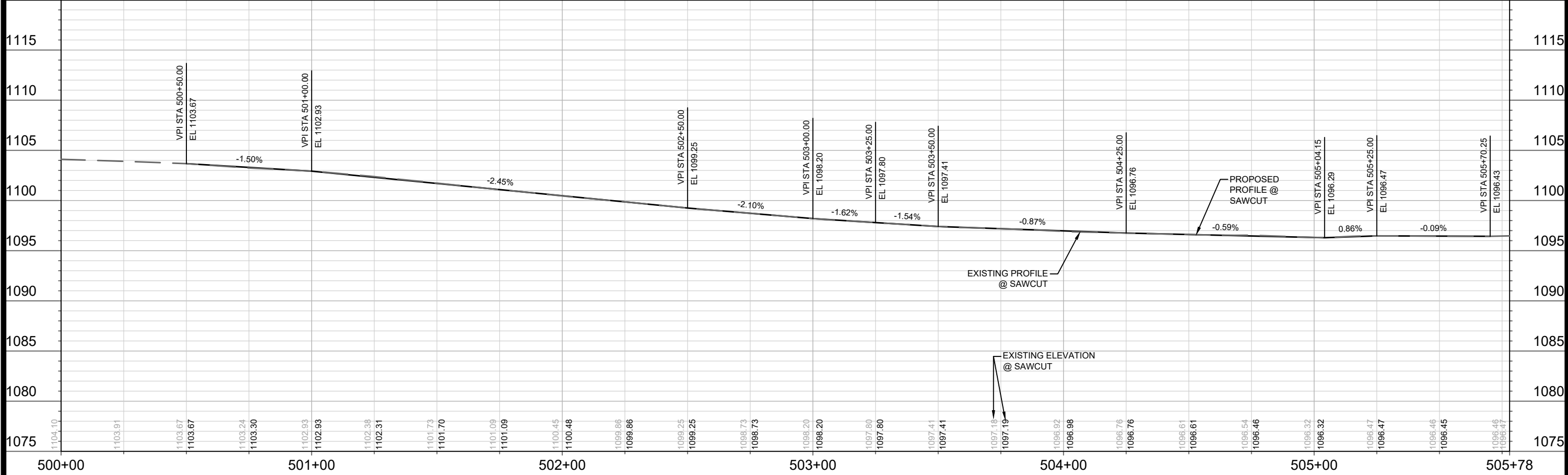
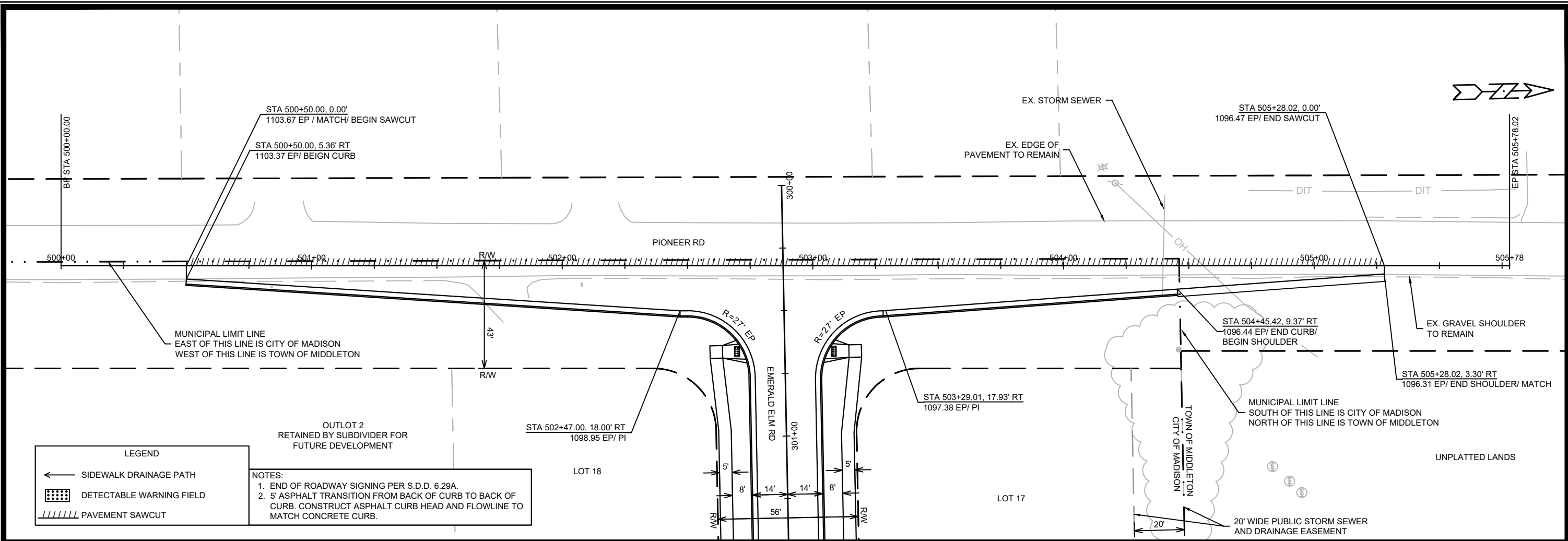
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P-9



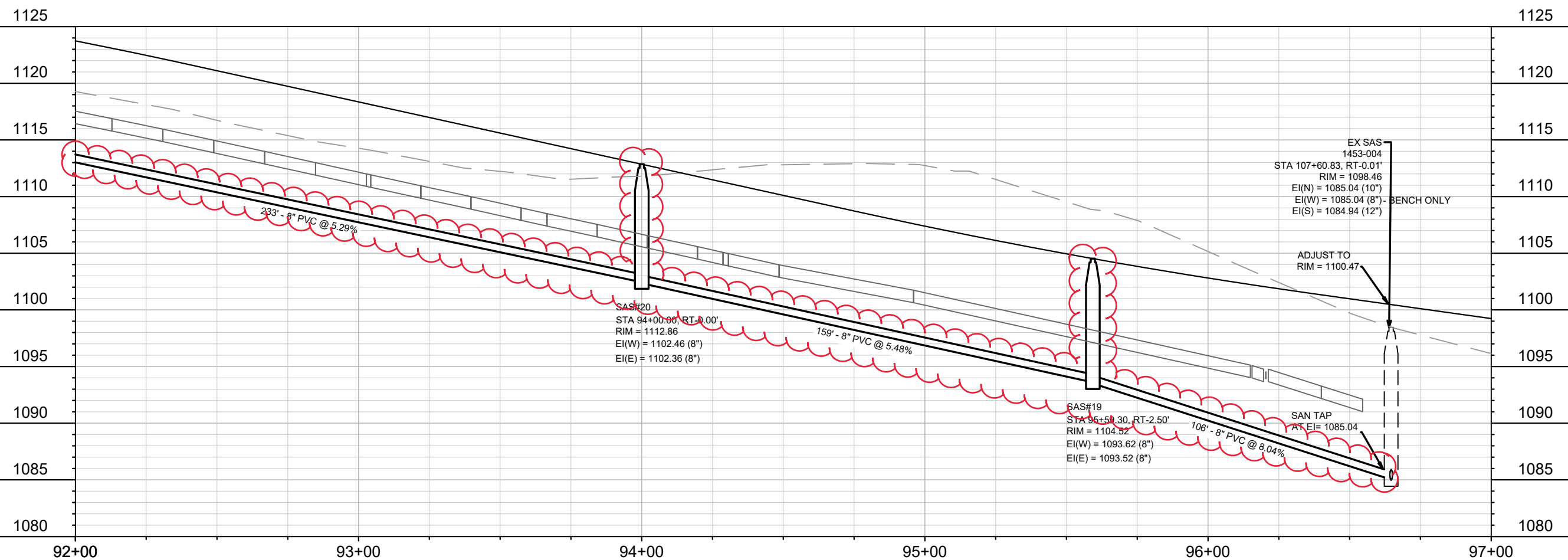
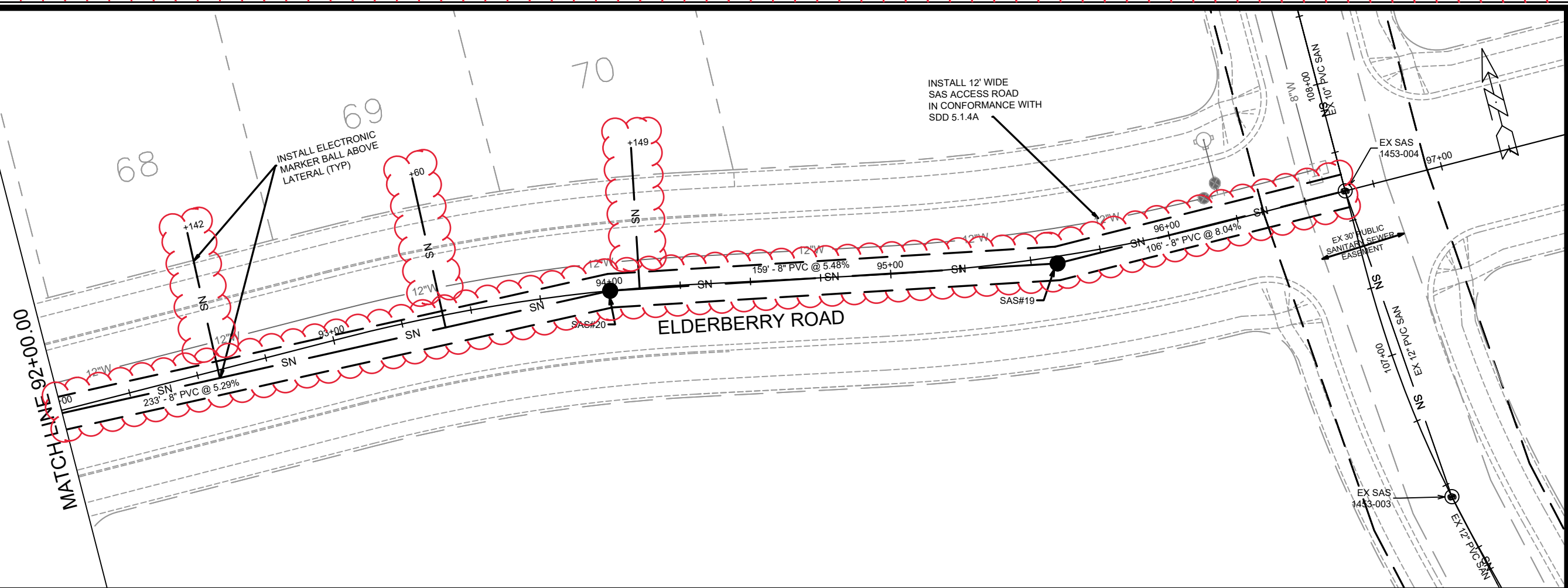
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- ← SIDEWALK DRAINAGE PATH
- DETECTABLE WARNING FIELD
- PAVEMENT SAWCUT

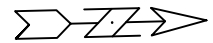
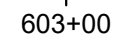
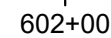
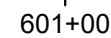
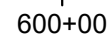
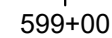
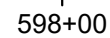
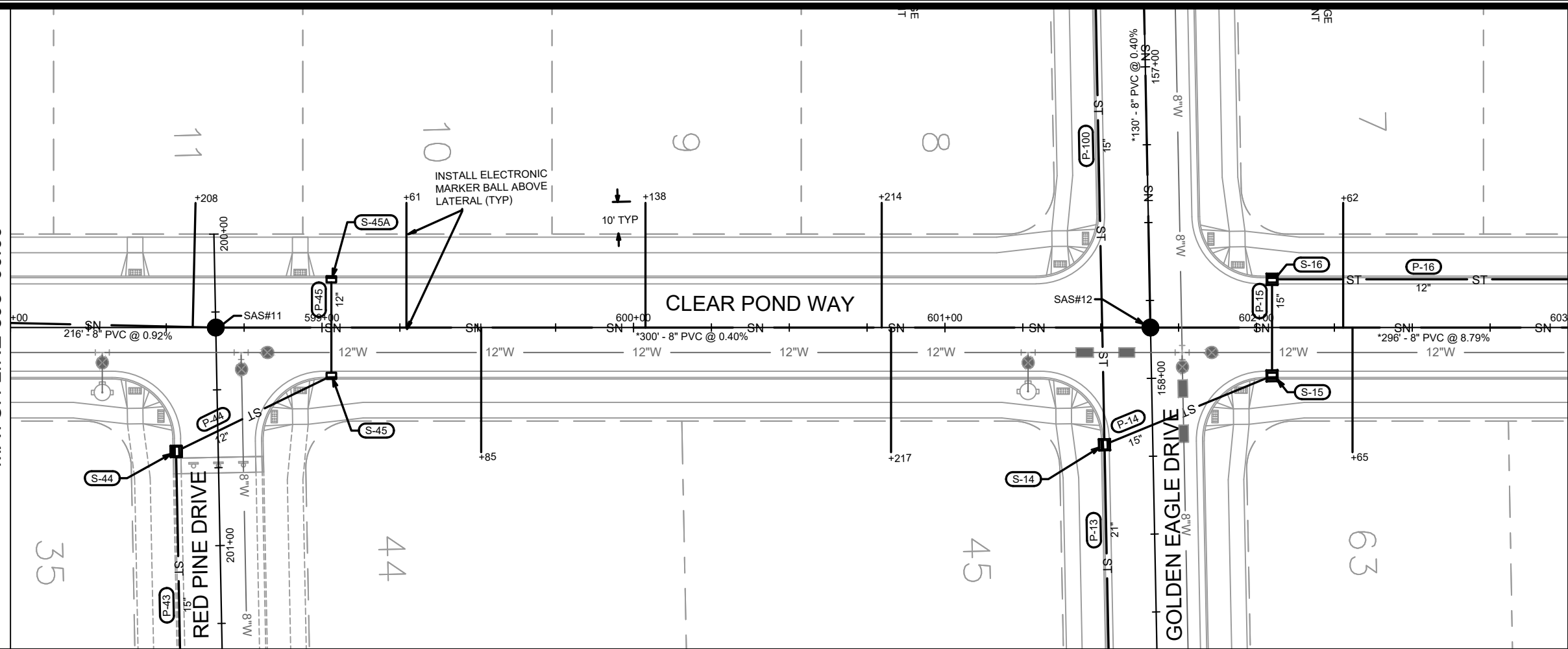
NOTES:

- END OF ROADWAY SIGNING PER S.D.D. 6.29A.
- 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.

13910	MADISON, WI	9126	CONTRACT NO:
PLAN & PROFILE - PIONEER ROAD			WESTWIND
13910			P-11
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13910	MADISON, WI	9126	U-2
ELDERBERRY ROAD - UTILITIES PLAN & PROFILE			
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CLEAR POND WAY - UTILITIES PLAN & PROFILE

WESTWIND



13910

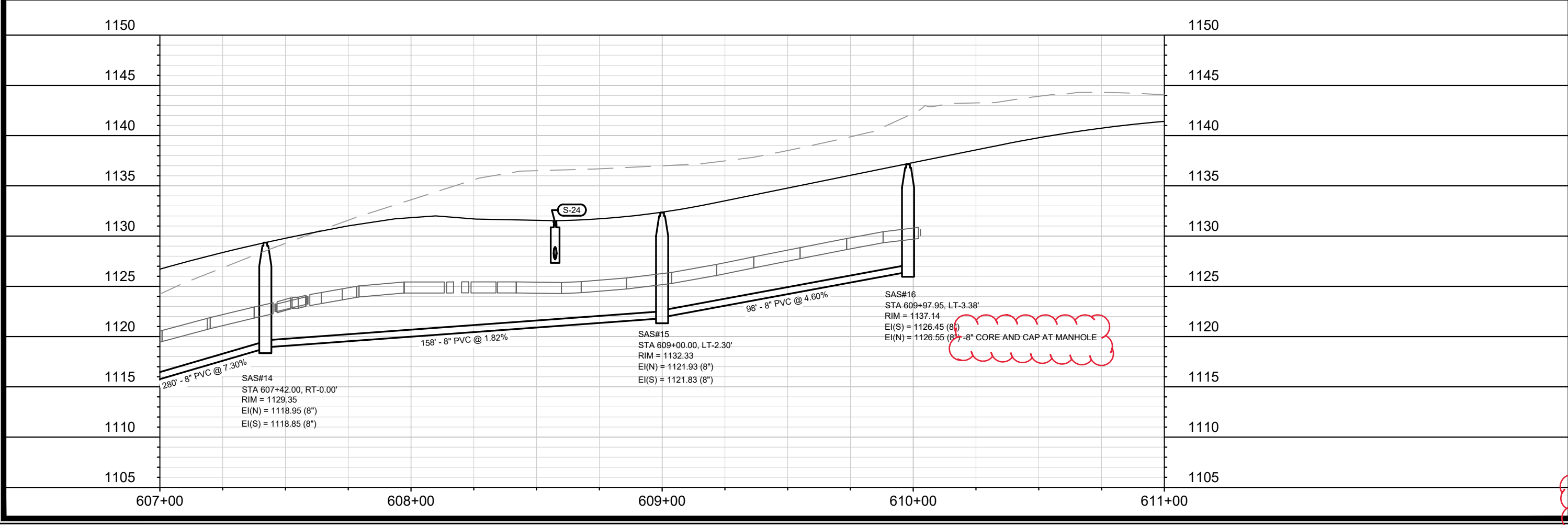
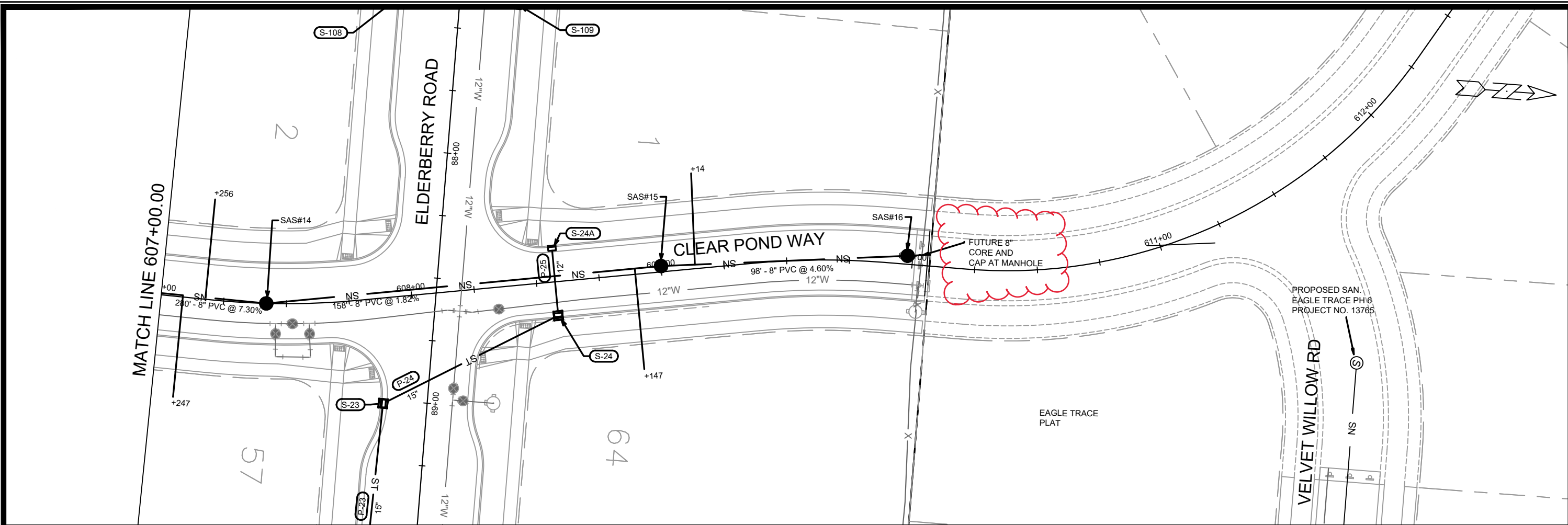
MADISON, WI

CONTRACT NO: 9126

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13910	Designed By: 	Date: 7/19/2023 3:19 PM	U-4



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CLEAR POND WAY - UTILITIES PLAN & PROFILE

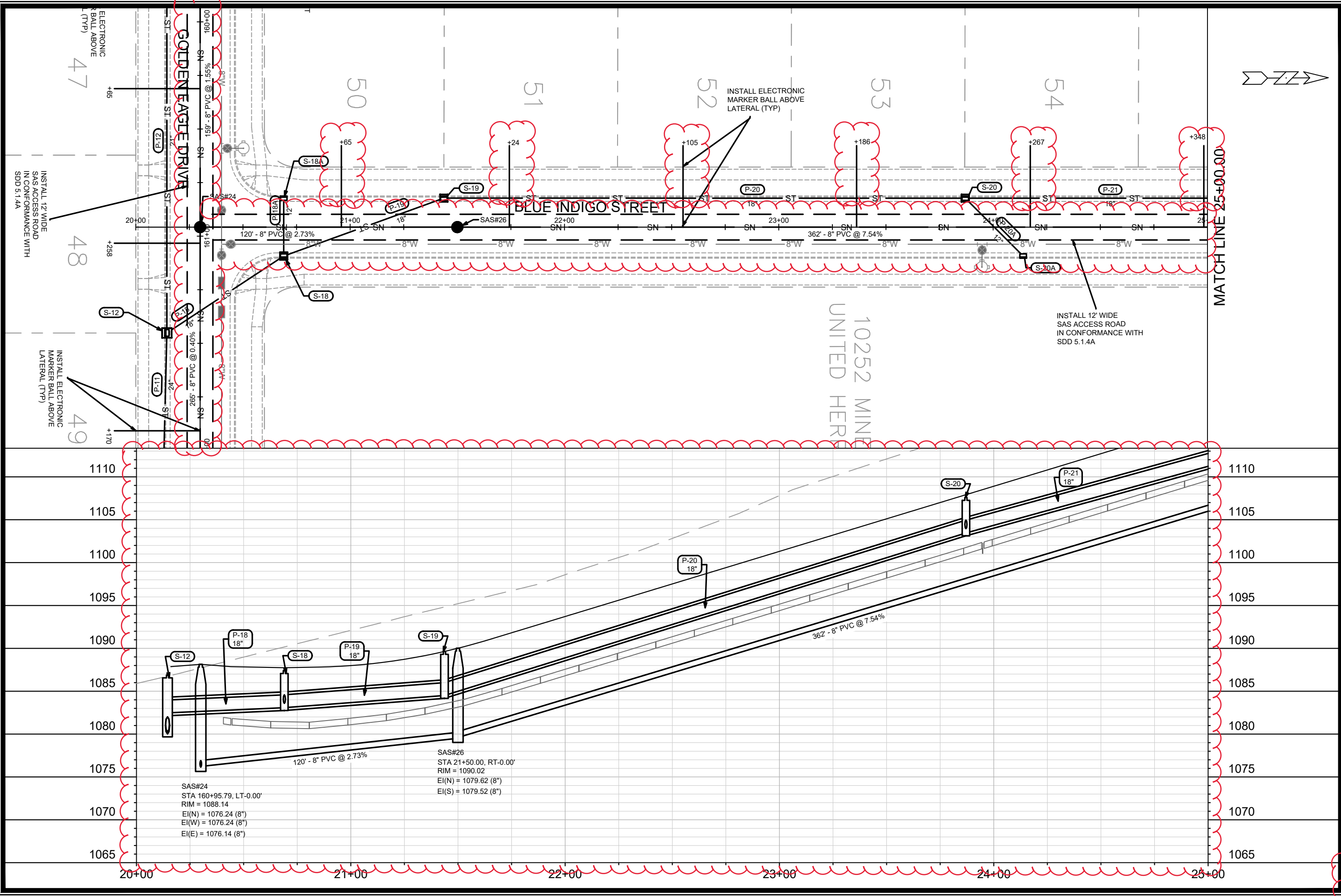
WESTWIND

CITY OF MADISON WISCONSIN

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MADISON, WI

WESTWIND

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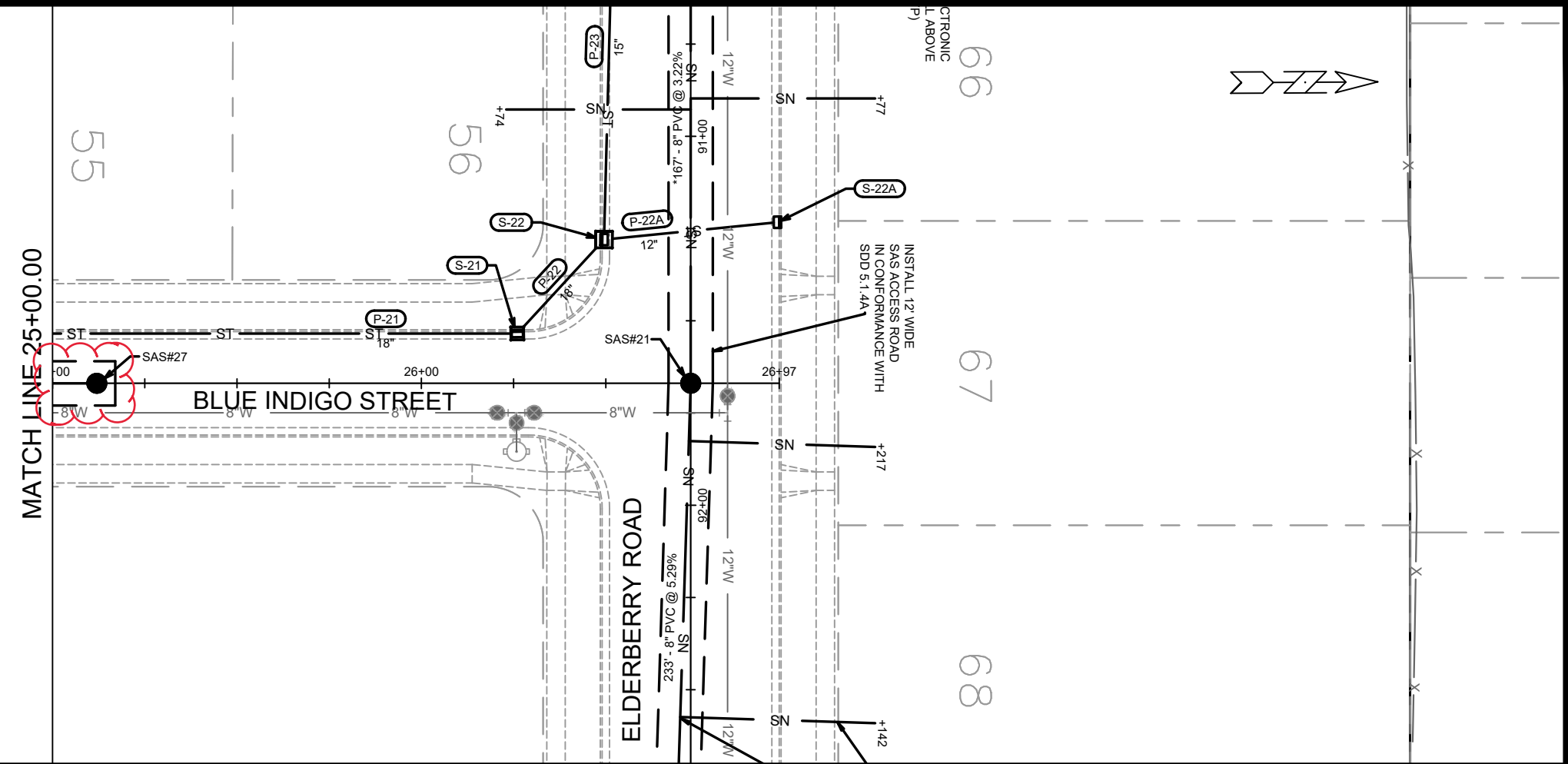
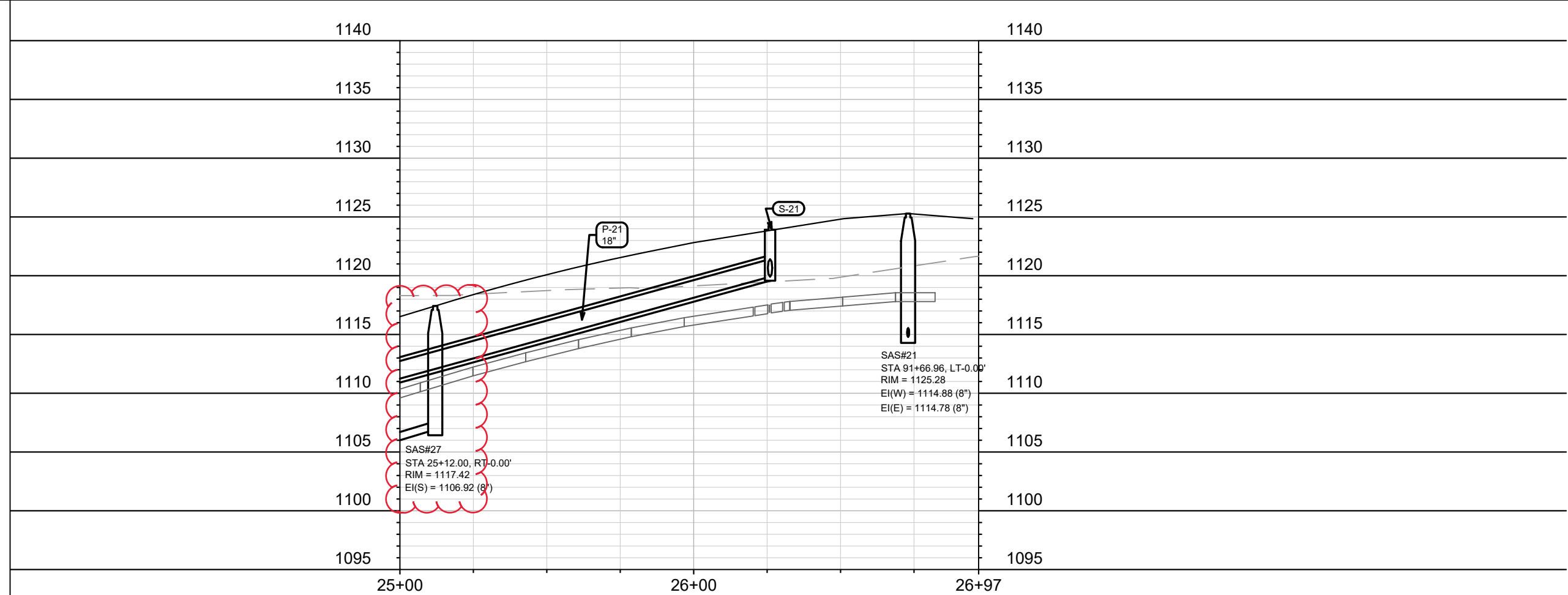
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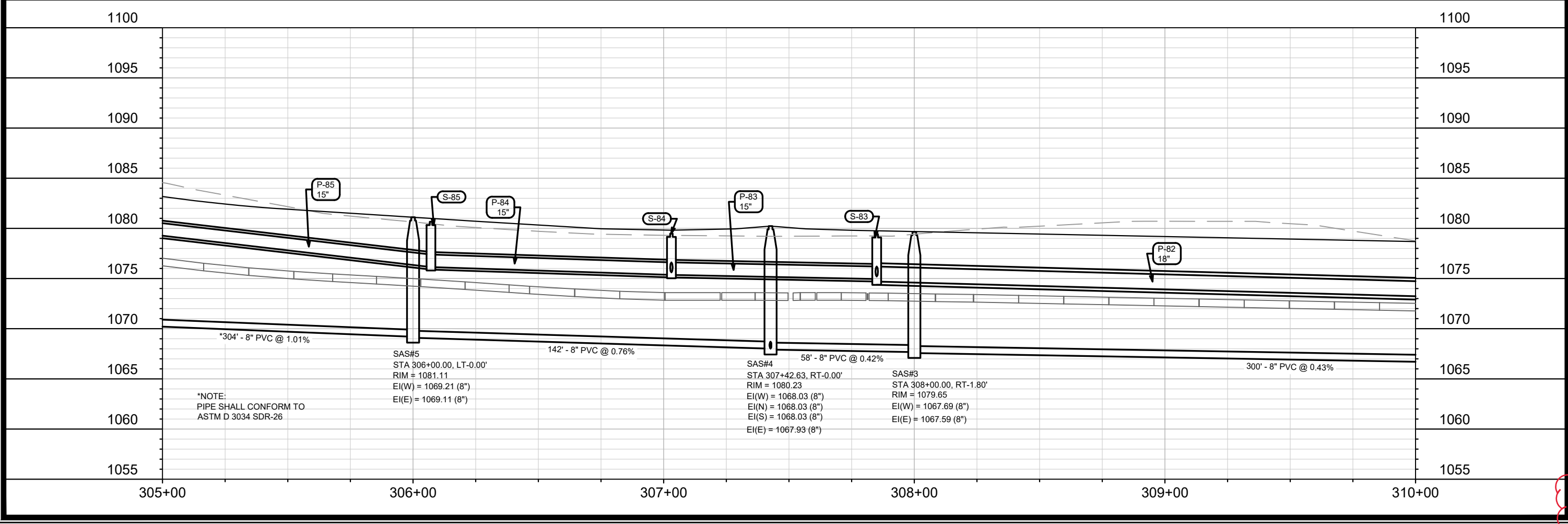
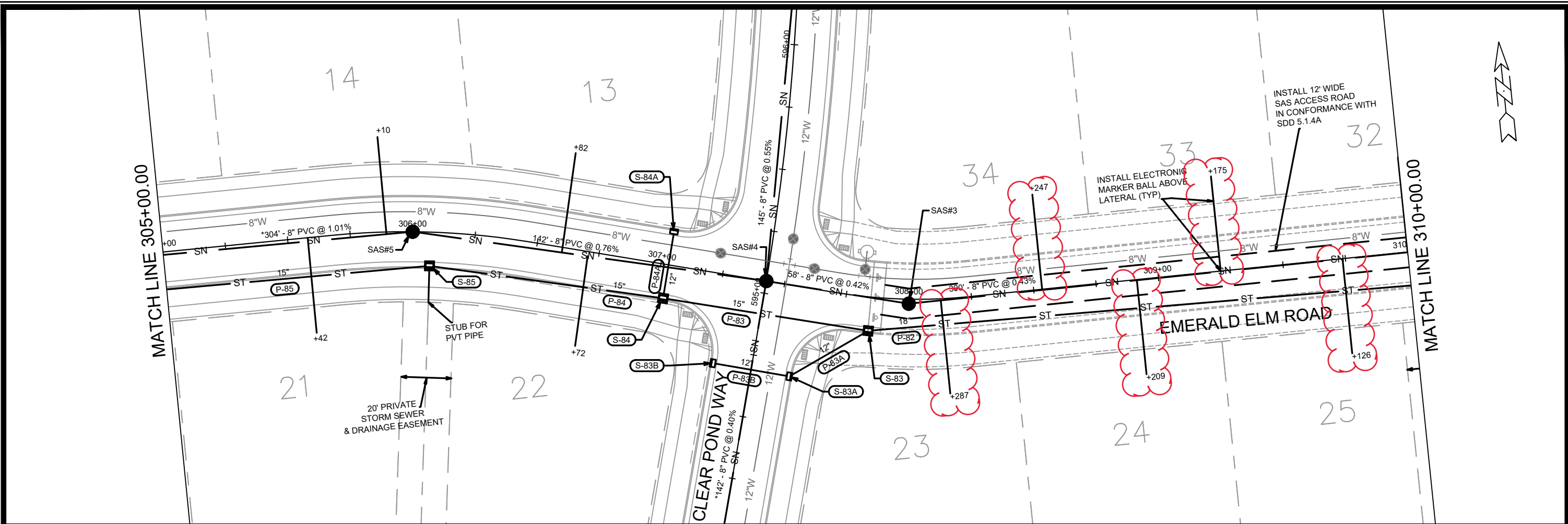
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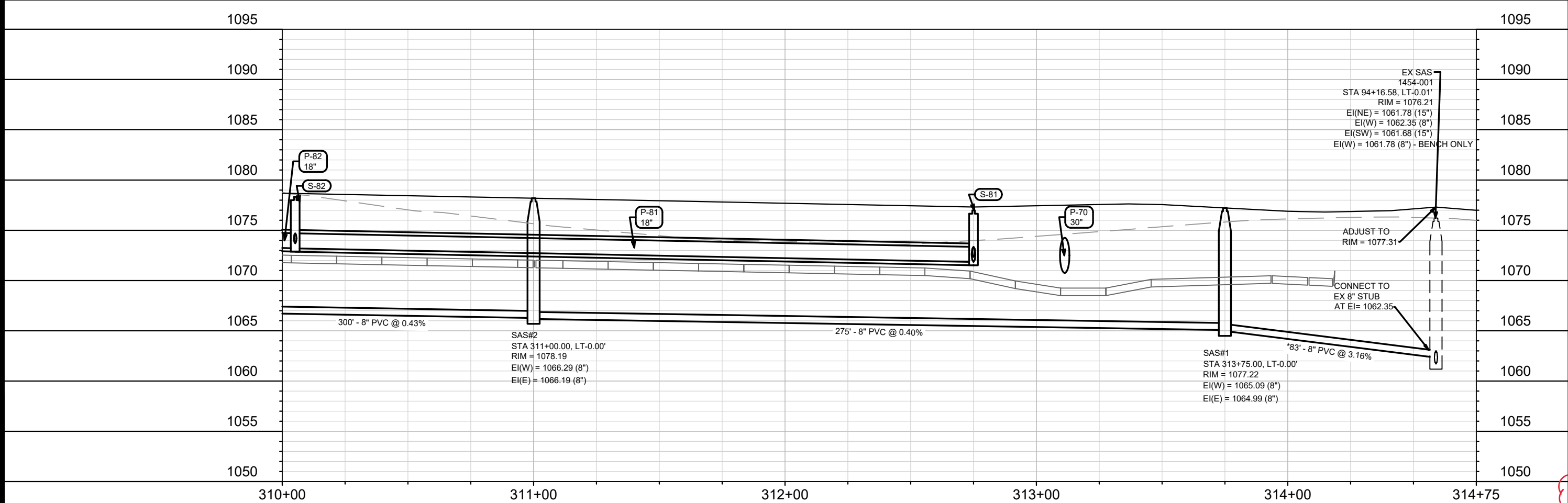
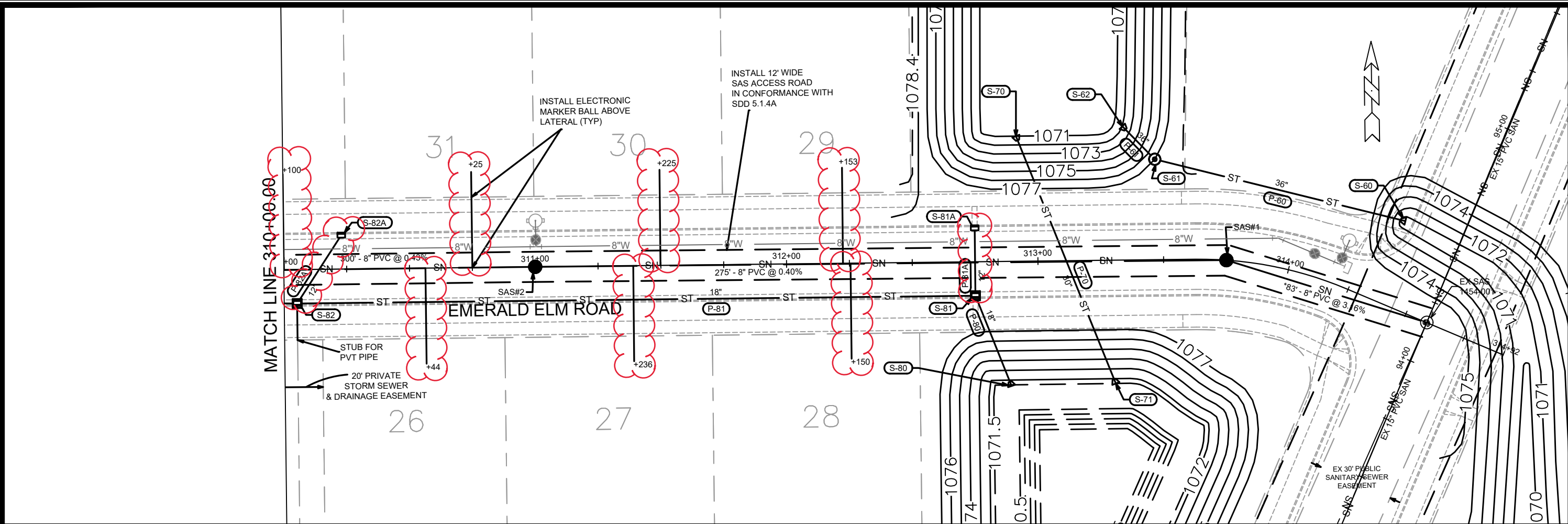




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EMERALD ELM ROAD - UTILITIES PLAN & PROFILE			
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MADISON, WI
9126
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EMERALD ELM ROAD - UTILITIES PLAN & PROFILE
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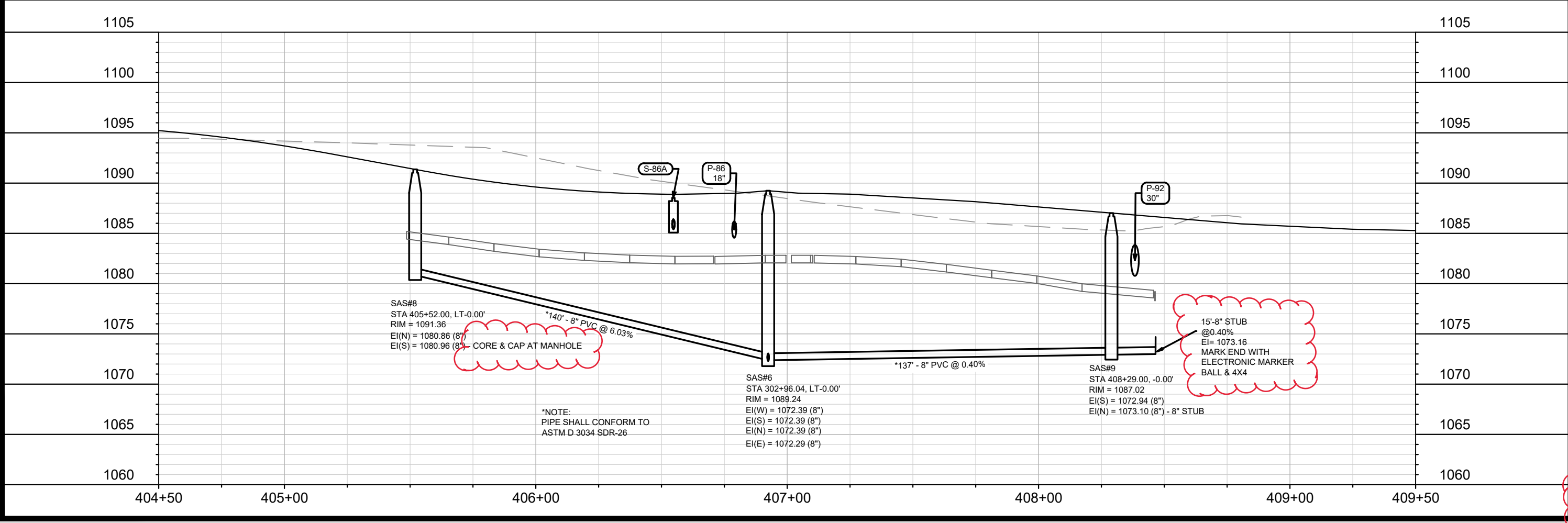
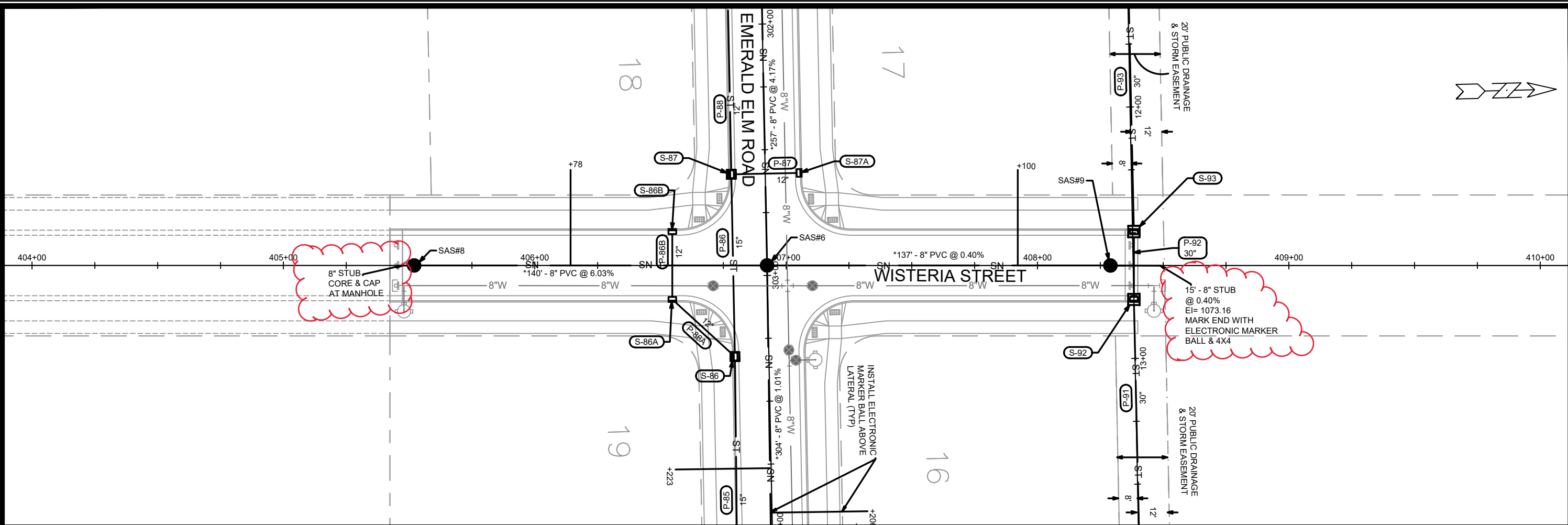
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MADISON, WI
CONTRACT NO: 9126

EMERALD ELM ROAD - UTILITIES PLAN & PROFILE
WESTWIND

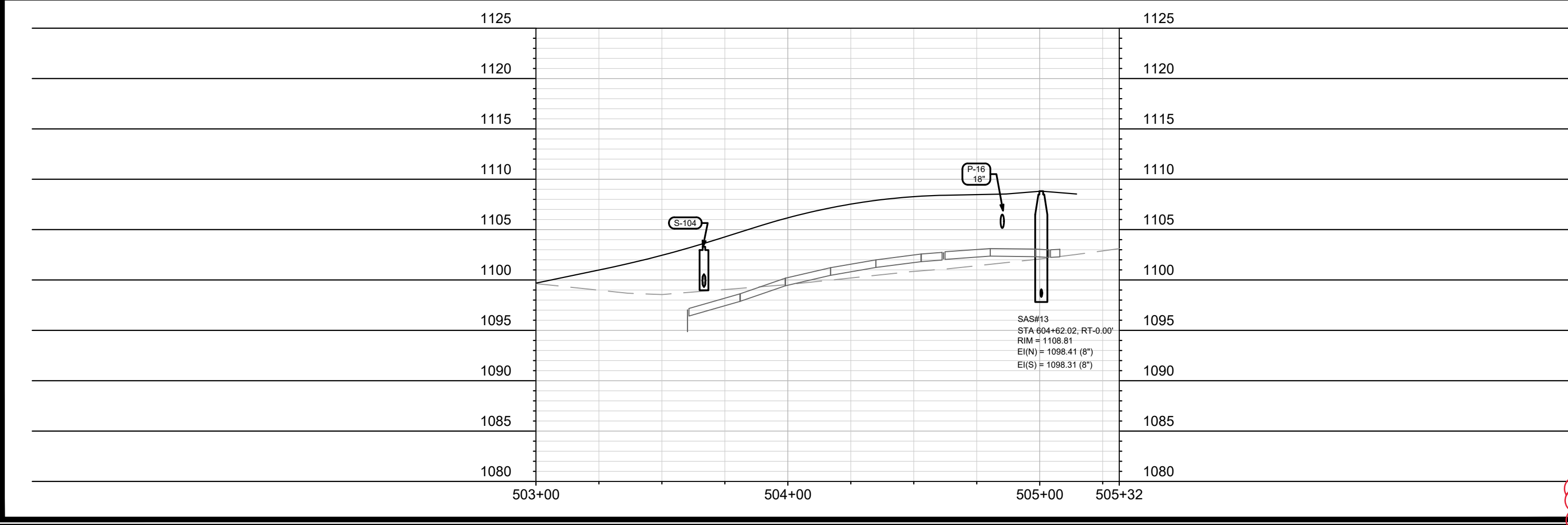
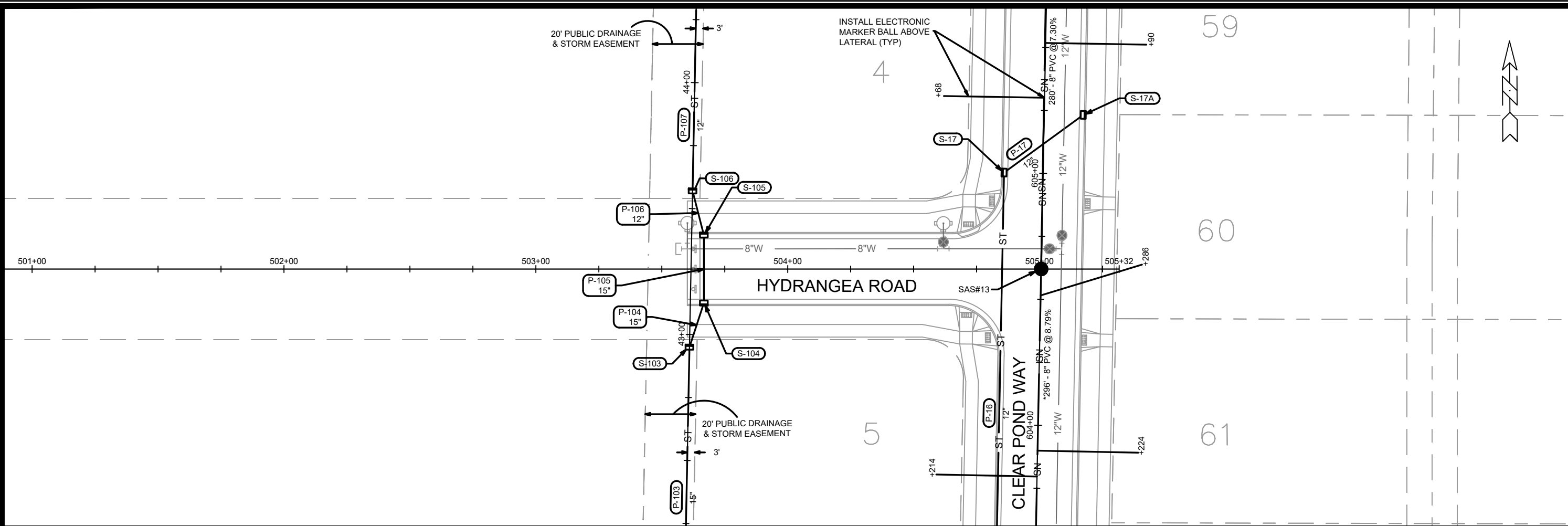
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CITY OF MADISON
WISCONSIN

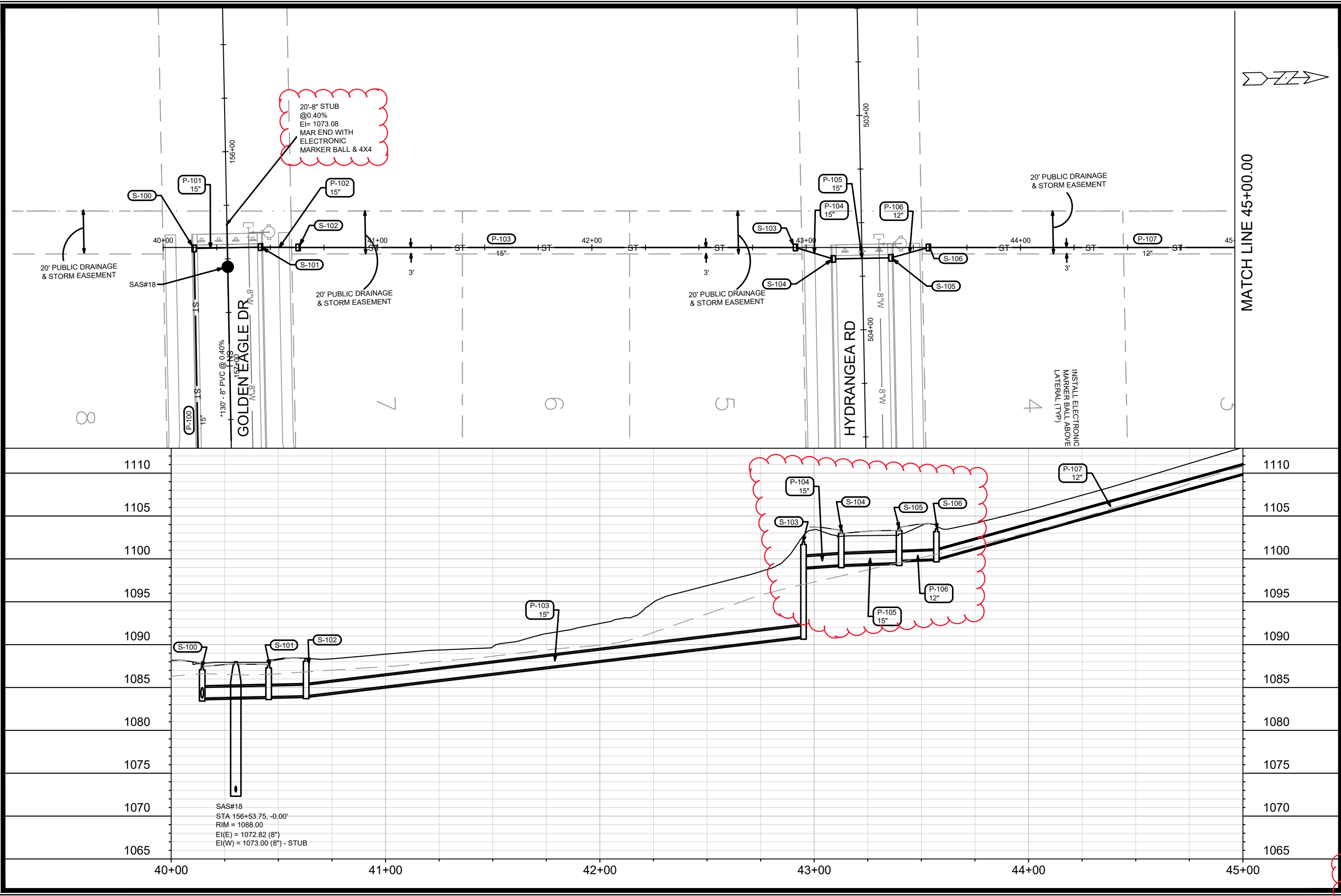
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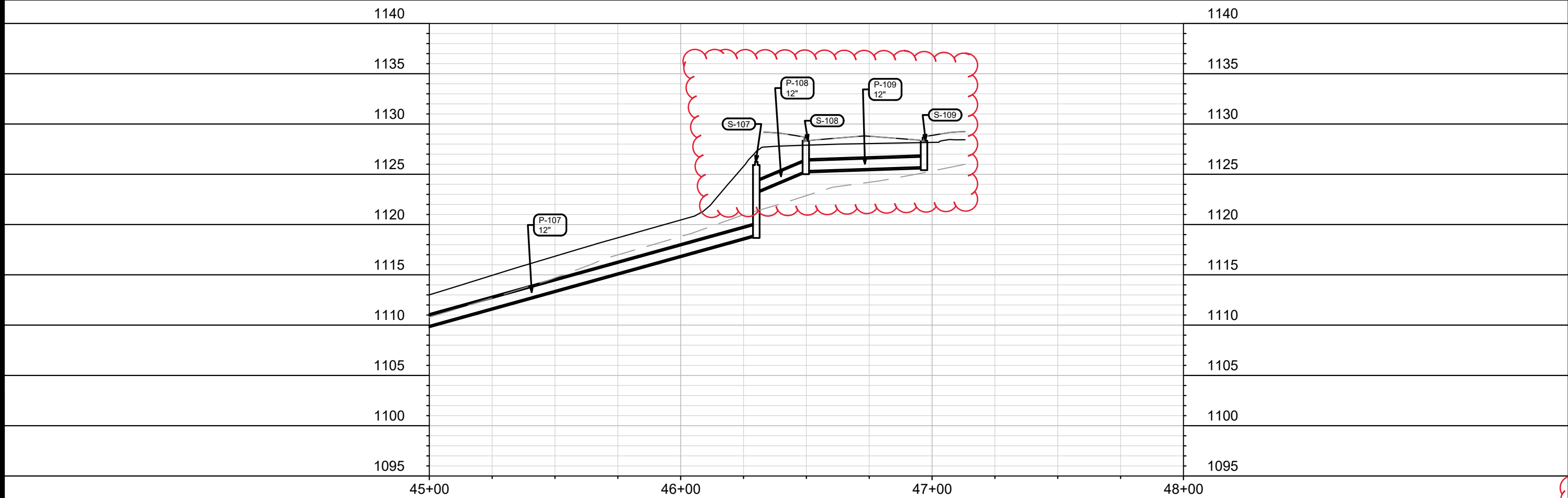
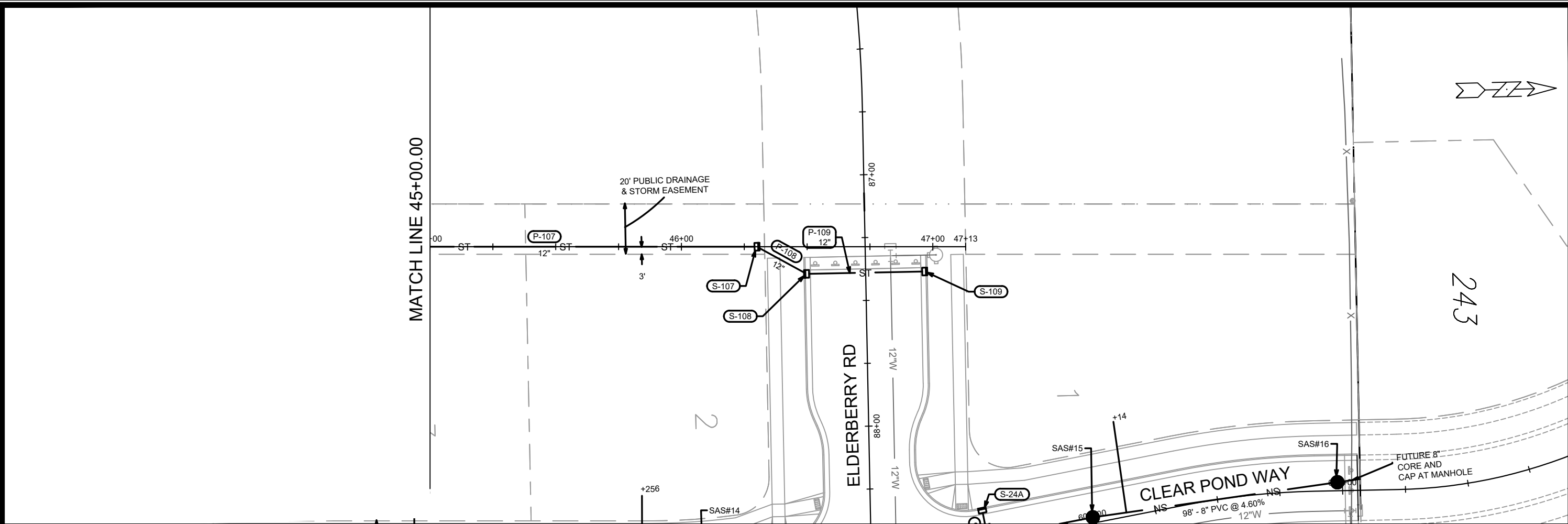
13910		MADISON, WI		CONTRACT NO: 9126	
WISTERIA STREET - UTILITIES PLAN & PROFILE		WESTWIND		U-12	
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13910		U-12		U-12	



13910		MADISON, WI		CONTRACT NO: 9126	
HYDRANGEA ROAD - UTILITIES PLAN & PROFILE		WESTWIND		U-17	
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MARK		REVISION		DATE	
13910		13910		13910	
U-17		U-17		U-17	



PUBLIC DRAINAGE & STORM SEWER EASEMENT - PLAN & PROFILE		13910	U-20
WESTWIND		MADISON, WI	
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CONTRACT NO:		13910	
DESIGNED BY: EEA		DATE: 8/22/2023 3:23 PM	
REVISION		BY	
MARK		DATE	
U-20			



PUBLIC DRAINAGE & STORM SEWER EASEMENT - PLAN & PROFILE	
13910	13910
MADISON, WI	9126
CONTRACT NO:	U-21
WESTWIND	
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CITY OF MADISON WISCONSIN	
13910	
U-21	

SANITARY SEWER SCHEDULE

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
EMERALD ELM ROAD						
SAS#1	313+75.00	CL	1077.22	1064.99	12.23	-
SAS#2	311+00.00	CL	1078.19	1066.19	12.00	-
SAS#3	308+00.00	RT-1.80	1079.65	1067.59	12.06	-
SAS#4	307+42.63	CL	1080.23	1067.93	12.30	-
SAS#5	306+00.00	CL	1081.11	1069.11	12.00	-
SAS#6	302+96.04	CL	1089.24	1072.29	16.95	-
SAS#7	300+39.40	CL	1098.30	1083.10	15.20	-
WISTERIA STREET						
SAS#8	405+52.00	CL	1091.36	1080.86	10.50	-
SAS#9	408+29.00	CL	1087.02	1072.94	14.08	-
CLEAR POND WAY						
SAS#10	596+50.00	CL	1079.32	1068.82	10.50	INSTALL CHIMNEY SEAL
SAS#11	598+65.90	CL	1082.53	1070.90	11.63	-
SAS#12	601+65.95	CL	1090.59	1072.20	18.39	-
SAS#13	604+62.02	CL	1108.81	1098.31	10.50	-
SAS#14	607+42.00	CL	1129.35	1118.85	10.50	-
SAS#15	609+00.00	LT-2.30	1132.33	1121.83	10.50	-
SAS#16	609+97.95	LT-3.38	1137.14	1126.45	10.69	-
SAS#17	593+63.00	CL	1081.11	1068.60	12.51	-
GOLDEN EAGLE DRIVE						
SAS#18	156+53.75	CL	1088.00	1072.82	15.18	-

ADJUST SANITARY STRUCTURES

STRUC. ID NO.	STATION	LOCATION (OFFSET)	EX. RIM	PROP. RIM	NOTES
EMERALD ELM ROAD					
1454-001	94+16.58	LT-0.01	1076.21	1077.31	ADJ. RING MAX HEIGHT 9"

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EMERALD ELM ROAD								
EX SAS 1454-001	SAS#1	1062.35	1064.99	83	3.16%	8"	SDR-26	-
SAS#1	SAS#2	1065.09	1066.19	275	0.40%	8"	SDR-35	-
SAS#2	SAS#3	1066.29	1067.59	300	0.43%	8"	SDR-35	-
SAS#3	SAS#4	1067.69	1067.93	58	0.42%	8"	SDR-35	-
SAS#4	SAS#5	1068.03	1069.11	142	0.76%	8"	SDR-35	-
SAS#5	SAS#6	1069.21	1072.29	304	1.01%	8"	SDR-26	-
SAS#6	SAS#7	1072.39	1083.10	257	4.17%	8"	SDR-26	-
WISTERIA STREET								
SAS#6	SAS#8	1072.39	1080.86	140	6.03%	8"	SDR-26	-
SAS#6	SAS#9	1072.39	1072.94	137	0.40%	8"	SDR-26	-
CLEAR POND WAY								
SAS#4	SAS#10	1068.03	1068.82	145	0.55%	8"	SDR-35	-
SAS#10	SAS#11	1068.92	1070.90	216	0.92%	8"	SDR-35	-
SAS#11	SAS#12	1071.00	1072.20	300	0.40%	8"	SDR-26	-
SAS#12	SAS#13	1072.30	1098.31	296	8.79%	8"	SDR-26	-
SAS#13	SAS#14	1098.41	1118.85	280	7.30%	8"	SDR-35	-
SAS#14	SAS#15	1118.95	1121.83	158	1.82%	8"	SDR-35	-
SAS#15	SAS#16	1121.93	1126.45	98	4.60%	8"	SDR-35	-
SAS#4	SAS#17	1068.03	1068.60	142	0.40%	8"	SDR-26	-
GOLDEN EAGLE DRIVE								
SAS#12	SAS#18	1072.30	1072.82	130	0.40%	8"	SDR-26	-

NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

SANITARY SEWER SCHEDULE

* REVISED 7/19/2023 EEA

WESTWIND
PROJECT NO. 13910

SHEET NO.
U-SAN2

SANITARY SEWER SCHEDULE 2

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
ELDERBERRY ROAD						
* SAS#19	95+59.30	RT-2.50	1104.52	1093.52	11.00	-
* SAS#20	94+00.00	CL	1112.86	1102.36	10.50	-
* SAS#21	91+66.96	CL	1125.28	1114.78	10.50	-
* SAS#22	90+00.00	CL	1130.76	1120.26	10.50	-

GOLDEN EAGLE DRIVE

* SAS#23	163+61.00	CL	1085.74	1074.98	10.76	INSTALL CHIMNEY SEAL
* SAS#24	160+95.79	CL	1088.14	1076.14	12.00	-
* SAS#25	159+37.00	CL	1089.20	1078.70	10.50	-

BLUE INDIGO STREET

* SAS#26	21+50.00	CL	1090.02	1079.52	10.50	-
* SAS#27	25+12.00	CL	1117.42	1106.92	10.50	-

RED PINE DRIVE

* SAS#28	207+00.00	LT-1.30	1077.80	1066.04	11.76	-
* SAS#29	204+25.00	CL	1077.97	1067.24	10.73	-
* SAS#30	201+90.00	CL	1080.50	1070.00	10.50	-

ADJUST SANITARY STRUCTURES

STRUC. ID NO.	STATION	LOCATION (OFFSET)	EX. RIM	PROP. RIM	NOTES
ELDERBERRY ROAD					
* 1453-004	107+60.83	RT-0.01	1098.46	1100.47	-
RED PINE DRIVE					
* 1454-002	97+89.70	LT-0.01	1074.92	1077.30	-
GOLDEN EAGLE DRIVE					
* 1453-001	101+49.14	RT-0.01	1080.56	1083.52	-

NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
ELDERBERRY ROAD								
* EX SAS 1453-004	SAS#19	1085.04	1093.52	106	8.04%	8"	SDR-35	-
* SAS#19	SAS#20	1093.62	1102.36	159	5.48%	8"	SDR-35	-
* SAS#20	SAS#21	1102.46	1114.78	233	5.29%	8"	SDR-35	-
* SAS#21	SAS#22	1114.88	1120.26	167	3.22%	8"	SDR-35	-
GOLDEN EAGLE DRIVE								
* EX SAS 1453-001	SAS#23	1071.52	1074.98	292	1.18%	8"	SDR-35	-
* SAS#23	SAS#24	1075.08	1076.14	265	0.40%	8"	SDR-35	-
* SAS#24	SAS#25	1076.24	1078.70	159	1.55%	8"	SDR-35	-
BLUE INDIGO STREET								
* SAS#24	SAS#26	1076.24	1079.52	120	2.73%	8"	SDR-35	-
* SAS#26	SAS#27	1079.62	1106.92	362	7.54%	8"	SDR-35	-
RED PINE DRIVE								
* EX SAS 1454-002	SAS#28	1064.31	1066.04	159	1.09%	8"	SDR-35	-
* SAS#28	SAS#29	1066.14	1067.24	275	0.40%	8"	SDR-35	-
* SAS#29	SAS#30	1067.34	1070.00	235	1.13%	8"	SDR-35	-

STORM SEWER SCHEDULE

* REVISED 8/22/2023 EEA

WESTWIND	SHEET NO.
PROJECT NO. 13910	U-STM1
STORM SEWER SCHEDULE 1	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
GOLDEN EAGLE DRIVE							
S-10	162+92.27	RT-88.28	21" RCP APRON END	-	1071.50	-	W/ GATE
S-11	163+00.00	RT-19.30	TERRACE INLET TYPE II	1085.34	1079.10	6.24	LP; PER S.D.D. 5.7.12A; (3)
* S-11A	163+00.00	LT-15.50	H INLET	1085.54	1081.74	3.80	LP; W/ R-3067-7004-VB
S-12	161+45.17	RT-15.50	4X4 SAS	1087.37	1080.01	7.36	W/ R-3067-7004-V
S-13	159+79.22	RT-15.50	3X3 SAS	1089.07	1081.25	7.82	W/ R-3067-7004-V
S-13A	159+43.24	LT-15.50	H INLET	1089.45	1085.85	3.60	W/ R-3067-7004-V
S-14	158+21.00	RT-15.50	3X3 SAS	1089.99	1082.20	7.79	W/ R-3067-7004-V

CLEAR POND WAY

S-24	608+57.39	RT-13.50	3X3 SAS	1131.67	1127.67	4.00	LP; W/ R-3067-7004-VB
S-24A	608+57.39	LT-13.50	H INLET	1131.67	1128.27	3.40	LP; W/ R-3067-7004-VB
S-15	602+05.00	RT-15.50	3X3 SAS	1092.29	1087.41	4.88	W/ R-3067-7004-V
S-16	602+05.00	LT-15.50	3X3 SAS	1092.29	1087.69	4.60	W/ R-3067-7004-V
S-17	605+00.00	LT-15.50	H INLET	1111.52	1107.92	3.60	W/ R-3067-7004-V
S-17A	605+23.50	RT-15.50	H INLET	1113.16	1109.36	3.80	W/ R-3067-7004-V

BLUE INDIGO STREET

S-18	20+69.00	RT-13.50	3X3 SAS	1087.88	1083.08	4.80	LP; W/ R-3067-7004-VB; (4)
* S-18A	20+69.00	LT-13.50	3X3 SAS	1088.36	1084.28	4.08	LP; W/ R-3067-7004-VB
S-19	21+43.70	LT-13.50	3X3 SAS	1090.10	1084.50	5.60	W/ R-3067-7004-V; (1)
S-20	23+87.00	LT-13.50	3X3 SAS	1108.06	1103.46	4.60	W/ R-3067-7004-V; (1); (5)
* S-20A	24+14.00	RT-13.50	H INLET	1110.12	1105.52	4.60	W/ R-3067-7004-V
S-21	26+26.00	LT-13.50	3X3 SAS	1124.71	1119.91	4.80	W/ R-3067-7004-V

ELDERBERRY ROAD

S-22	91+28.00	RT-23.50	4X4 SAS	1126.86	1122.06	4.80	W/ R-3067-7004-V; (2)
* S-22A	91+23.30	LT-23.50	H INLET	1127.04	1123.44	3.60	W/ R-3067-7004-V
S-23	89+01.50	RT-17.50	3X3 SAS	1132.20	1126.92	5.28	W/ R-3067-7004-V

RED PINE DRIVE

S-30	205+56.16	RT-49.37	36" RCP APRON END	-	1070.96	-	W/ GATE; (6); (7)
S-31	205+67.90	LT-57.92	36" RCP APRON END	-	1071.50	-	W/ GATE; (6); (7)

STORM EASEMENT

* S-90	16+43.50	CL	30" RCP APRON END	-	1074.00	-	W/ GATE; (6); (7)
S-91	15+75.00	CL	4X4 SAS	1080.32	1074.52	5.80	W/ R-1550 OPEN CASTING
* S-92	12+76.53	CL	4X4 SAS	1086.96	1078.96	8.00	W/ R-3067-7004-V
S-93	12+49.54	LT-0.55	4X4 SAS	1086.96	1081.16	5.80	W/ R-3067-7004-V
* S-94	10+10.72	CL	4X4 SAS	1096.87	1087.87	9.00	W/ R-3067-7004-V
* S-94A	10+10.42	LT-5.45	H INLET	1096.85	1093.27	3.58	W/ R-3067-7004-V; (12)

SPECIFIC NOTES:

- (1) BOX OUT TO WEST FOR FUTURE PVT PIPE
(2) BOX OUT FOR FUTURE 12" TO NORTH AT EI = 1122.56
(3) BOX OUT TO NORTH FOR FUTURE 12" AT EI = 1080.89
(4) BOX OUT FOR FUTURE 12" TO WEST AT EI = 1083.58
(5) BOX OUT TO EAST FOR FUTURE 12" AT EI = 1103.96
(6) CUT OFF WALL REQUIRED PER SDD 5.4.4
(7) INSTALL RIPRAP OVER HR FABRIC PER SDD 5.4.4
* (12) CONNECT 15" EXISTING PIPE TO WEST

STANDARD NOTES:

- 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.
- 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.
- 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.

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
GOLDEN EAGLE DRIVE										
P-10	S-10	S-11	1071.50	1079.10	69	68	11.18%	24"	TYPE II	-
P-11	S-11	S-12	1079.10	1080.01	155	151	0.60%	24"	TYPE II	-
* P-11A	S-11	S-11A	1080.10	1081.74	35	32	5.13%	12"	TYPE I	-
P-12	S-12	S-13	1080.26	1081.25	166	162	0.61%	21"	TYPE II	-
P-13	S-13	S-14	1081.25	1082.20	158	155	0.61%	21"	TYPE II	-
* P-13A	S-13	S-13A	1085.41	1085.85	47	44	1.00%	12"	TYPE I	-
* P-14	S-14	S-15	1086.86	1087.41	58	55	1.00%	15"	TYPE I	-

CLEAR POND WAY

P-25	S-24	S-24A	1127.92	1128.27	27	25	1.40%	12"	TYPE I	-
P-15	S-15	S-16	1087.41	1087.69	31	28	1.00%	15"	TYPE I	-
P-16	S-16	S-17	1087.94	1107.92	295	292	6.84%	12"	TYPE I	-
P-17	S-17	S-17A	1107.92	1109.36	39	36	4.00%	12"	TYPE I	-

BLUE INDIGO STREET

* P-18	S-12	S-18	1082.47	1083.08	65	61	1.00%	18"	TYPE I	-
* P-18A	S-18	S-18A	1083.58	1084.28	27	25	2.80%	12"	TYPE I	-
P-19	S-18	S-19	1083.08	1084.50	79	76	1.87%	18"	TYPE II	-
P-20	S-19	S-20	1084.50	1103.46	243	240	7.90%	18"	TYPE II	-
* P-20A	S-20	S-20A	1103.96	1105.52	38	35	4.46%	12"	TYPE I	-
P-21	S-20	S-21	1103.46	1119.91	239	236	6.97%	18"	TYPE II	-
P-22	S-21	S-22	1119.91	1122.06	35	30	7.17%	18"	TYPE II	-

ELDERBERRY ROAD

* P-22A	S-22	S-22A	1122.56	1123.44	47	44	2.00%	12"	TYPE I	-
P-23	S-22	S-23	1122.31	1126.92	227	223	2.07%	15"	TYPE I	-
P-24	S-23	S-24	1126.92	1127.67	78	75	1.00%	15"	TYPE I	-

RED PINE DRIVE

P-30	S-30	S-31	1070.96	1071.50	108	108	0.50%	36"	TYPE I	-
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STORM EASEMENT

* P-90	S-90	S-91	1074.00	1074.52	68	67	0.78%	30"	TYPE II	-
* P-91	S-91	S-92	1074.52	1078.96	298	295	1.51%	30"	TYPE II	-
P-92	S-92	S-93	1080.96	1081.16	27	23	0.87%	30"	TYPE I	-
* P-93	S-93	S-94	1081.16	1087.87	239	235	2.86%	30"	TYPE II	-
* P-94	S-94	S-94A	1092.89	1093.27	5	2	18.54%	15"	TYPE II	NCM

-ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.

- 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 ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

-FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

STORM SEWER SCHEDULE

* REVISED 8/22/2023 EEA

WESTWIND	SHEET NO.
PROJECT NO. 13910	U-STM2
STORM SEWER SCHEDULE 2	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
RED PINE DRIVE							
S-40	205+26.91	LT-53.46	18" RCP APRON END	-	1071.50	-	W/ GATE
S-41	205+19.59	LT-13.50	3X3 SAS	1077.58	1072.78	4.80	LP; W/ R-3067-7004-VB
S-42	205+19.59	RT-13.50	3X3 SAS	1077.58	1072.98	4.60	LP; W/ R-3067-7004-VB
S-43	203+06.00	RT-13.50	3X3 SAS	1079.25	1074.65	4.60	W/ R-3067-7004-V; (8)
* S-43A	203+13.00	LT-13.50	H INLET	1079.17	1075.57	3.60	W/ R-3067-7004-V
S-44	200+69.50	RT-13.50	3X3 SAS	1082.24	1077.64	4.60	W/ R-3067-7004-V

CLEAR POND WAY

S-45	599+03.00	RT-15.50	H INLET	1083.72	1079.92	3.80	W/ R-3067-7004-V
S-45A	599+03.00	LT-15.50	H INLET	1083.72	1080.12	3.60	W/ R-3067-7004-V
S-50	596+92.92	RT-55.43	36" RCP APRON END	-	1073.00	-	W/ GATE; (6); (7)
S-50A	597+00.19	LT-54.02	36" RCP APRON END	-	1074.00	-	W/ GATE
S-51	596+89.68	RT-55.22	24" RCP APRON END	-	1073.00	-	W/ GATE; (6); (7)
S-51A	596+96.58	LT-54.25	24" RCP APRON END	-	1074.00	-	W/ GATE
S-52	596+79.28	RT-56.26	12" RCP APRON END	-	1073.00	-	W/ GATE
S-53	596+75.00	RT-15.50	H INLET	1079.30	1074.30	5.00	LP; W/ R-3067-7004-VB
S-53A	596+67.00	RT-15.50	H INLET	1079.34	1075.54	3.80	W/ R-3067-7004-V
S-54	596+75.00	LT-15.50	H INLET	1079.30	1075.70	3.60	LP; W/ R-3067-7004-VB
S-54A	596+67.00	LT-15.50	H INLET	1079.34	1075.94	3.40	W/ R-3067-7004-V
S-83A	594+69.00	RT-15.50	H INLET	1080.55	1076.95	3.60	W/ R-3067-7004-VB
S-83B	594+69.00	LT-15.50	H INLET	1080.55	1077.15	3.40	W/ R-3067-7004-VB

EMERALD ELM ROAD

S-60	314+35.48	LT-33.91	36" RCP APRON END	-	1070.75	-	W/ GATE; (6); (7)
S-61	313+46.93	LT-39.93	4X4 SAS	1077.50	1070.90	6.60	W/ R-1550
S-62	313+34.18	LT-53.19	36" RCP APRON END	-	1072.00	-	W/ GATE
S-70	312+91.82	LT-49.77	30" RCP APRON END	-	1071.00	-	W/ GATE
S-71	313+30.44	RT-49.02	30" RCP APRON END	-	1071.50	-	W/ GATE
S-80	312+88.96	RT-49.53	18" RCP APRON END	-	1071.50	-	W/ GATE
S-81	312+75.00	RT-13.50	3X3 SAS	1077.45	1071.85	5.60	LP; W/ R-3067-7004-VB; (9)
* S-81A	312+75.00	LT-13.50	H INLET	1077.45	1073.85	3.60	LP; W/ R-3067-7004-VB
S-82	310+05.15	RT-13.50	3X3 SAS	1078.80	1073.20	5.60	W/ R-3067-7004-V; (10); (11)
* S-82A	310+23.00	LT-13.50	H INLET	1078.71	1075.11	3.60	W/ R-3067-7004-V
S-83	307+85.00	RT-13.50	3X3 SAS	1079.90	1074.70	5.20	W/ R-3067-7004-V
S-84	307+03.08	RT-13.50	3X3 SAS	1079.96	1075.36	4.60	LP; W/ R-3067-7004-VB
S-84A	307+03.08	LT-13.50	H INLET	1079.84	1076.24	3.60	LP; W/ R-3067-7004-VB
S-85	306+07.15	RT-13.50	3X3 SAS	1081.14	1076.14	5.00	W/ R-3067-7004-V; (11)
S-86	303+32.00	RT-13.50	3X3 SAS	1088.77	1084.17	4.60	FP; W/ R-3067-7004-V
S-87	302+59.50	RT-13.50	3X3 SAS	1089.93	1085.33	4.60	W/ R-3067-7004-V
S-87A	302+59.50	LT-13.50	H INLET	1089.93	1086.33	3.60	W/ R-3067-7004-V
S-88	300+80.50	RT-13.50	H INLET	1096.97	1093.16	3.81	W/ R-3067-7004-V
S-88A	300+80.50	LT-13.50	H INLET	1096.97	1093.37	3.60	W/ R-3067-7004-V
S-88B	300+50.54	RT-43.33	H INLET	1099.38	1095.58	3.80	W/ R-3067-7004-V
* S-88C	300+61.82	RT-53.48	H INLET	1098.00	1095.64	2.36	FP; W/ R-1878-B7G

WISTERIA STREET

S-86A	406+54.73	RT-13.50	H INLET	1089.01	1085.41	3.60	LP; W/ R-3067-7004-VB
S-86B	406+54.73	LT-13.50	H INLET	1089.49	1085.89	3.60	LP; W/ R-3067-7004-VB

SPECIFIC NOTES:

- (6) CUT OFF WALL REQUIRED PER SDD 5.4.4
(7) INSTALL RIPRAP OVER HR FABRIC PER SDD 5.4.4
(8) BOX OUT TO NORTH FOR FUTURE 12" AT EI = 1075.15
(9) BOX OUT TO NORTH FOR FUTURE 12" AT EI = 1072.35
(10) BOX OUT TO NORTH FOR FUTURE 12" AT EI = 1073.70
(11) BOX OUT TO SOUTH FOR PVT PIPE

STANDARD NOTES:

- 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.
- 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.
- 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.

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
RED PINE DRIVE										
P-40	S-40	S-41	1071.50	1072.78	41	39	3.28%	18"	TYPE II	-
P-41	S-41	S-42	1072.78	1072.98	27	24	0.83%	18"	TYPE I	-
P-42	S-42	S-43	1072.98	1074.65	214	211	0.79%	18"	TYPE II	-
P-43	S-43	S-44	1074.90	1077.64	237	234	1.17%	15"	TYPE II	-
* P-43A	S-43	S-43A	1075.15	1075.57	28	25	1.68%	12"	TYPE I	-
P-44	S-44	S-45	1077.89	1079.92	55	52	3.90%	12"	TYPE I	-

CLEAR POND WAY

P-45	S-45	S-45A	1079.92	1080.12	31	29	0.69%	12"	TYPE I	-
P-50	S-50	S-50A	1073.00	1074.00	110	110	0.91%	36"	TYPE I	-
P-51	S-51	S-51A	1073.00	1074.00	110	110	0.91%	24"	TYPE I	-
P-52	S-52	S-53	1073.00	1074.30	41	40	3.25%	12"	TYPE II	-
P-53	S-53	S-54	1075.30	1075.70	31	29	1.38%	12"	TYPE I	NCM
P-53A	S-53	S-53A	1075.30	1075.54	8	5	4.80%	12"	TYPE II	-
P-54	S-54	S-54A	1075.70	1075.94	8	5	4.80%	12"	TYPE II	-
P-83A	S-83	S-83A	1075.20	1076.95	36	33	5.30%	12"	TYPE II	-
P-83B	S-83A	S-83B	1076.95	1077.15	31	29	0.69%	12"	TYPE I	-

EMERALD ELM ROAD

P-60	S-60	S-61	1070.75	1070.90	103	101	0.15%	36"	TYPE I	-
P-61	S-61	S-62	1070.90	1072.00	18	17	6.47%	36"	TYPE I	-
P-70	S-70	S-71	1071.00	1071.50	106	106	0.50%	30"	TYPE I	-
P-80	S-80	S-81	1071.50	1071.85	39	37	0.95%	18"	TYPE II	-
P-81	S-81	S-82	1071.85	1073.20	270	267	0.51%	18"	TYPE II	-
* P-81A	S-81	S-81A	1072.35	1073.85	27	25	6.00%	12"	TYPE I	-
P-82	S-82	S-83	1073.20	1074.70	223	220	0.68%	18"	TYPE I	-
* P-82A	S-82	S-82A	1073.70	1075.11	32	29	4.86%	12"	TYPE I	-
P-83	S-83	S-84	1074.95	1075.36	83	80	0.51%	15"	TYPE I	-
P-84	S-84	S-85	1075.36	1076.14	94	91	0.86%	15"	TYPE II	-
P-84A	S-84	S-84A	1075.61	1076.24	27	25	2.52%	12"	TYPE I	-
P-85	S-85	S-86	1076.14	1084.17	273	270	2.97%	15"	TYPE II	-
P-86	S-86	S-87	1084.17	1085.33	73	70	1.66%	15"	TYPE I	-
P-87	S-87	S-87A	1085.58	1086.33	27	25	3.00%	12"	TYPE I	-
P-88	S-87	S-88	1085.58	1093.16	179	176	4.31%	12"	TYPE II	-
P-88A	S-88	S-88A	1093.16	1093.37	27	25	0.84%	12"	TYPE I	-
P-88B	S-88	S-88B	1093.16	1095.58	42	39	6.21%	12"	TYPE II	-
* P-88C	S-88B	S-88C	1095.58	1095.64	15	12	0.50%	12"	TYPE II	-

WISTERIA STREET

P-86A	S-86	S-86A	1084.42	1085.41	34	30	3.30%	12"	TYPE II	-
P-86B	S-86A	S-86B	1085.41	1085.89	27	25	1.92%	12"	TYPE I	-

- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- 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 ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.
-FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

STORM SEWER SCHEDULE

* REVISED 8/22/2023 EEA

WESTWIND	SHEET NO.
PROJECT NO. 13910	U-STM3
STORM SEWER SCHEDULE 3	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
STORM EASEMENT 2							
S-100	40+14.45	RT-0.44	H INLET	1087.87	1083.76	4.11	W/ R-3067-7004-V
S-101	40+45.45	LT-0.17	H INLET	1088.09	1083.93	4.16	W/ R-3067-7004-V
S-102	40+62.95	CL	H INLET	1088.38	1084.03	4.35	W/ R-1878-B7G
* S-103	42+95.00	CL	H INLET	1102.00	1090.96	11.04	FP; W/ R-1878-B7G
* S-104	43+12.61	RT-5.36	H INLET	1103.78	1099.31	4.47	W/ R-3067-7004-V
S-105	43+39.59	RT-4.83	H INLET	1104.10	1099.56	4.54	W/ R-3067-7004-V
* S-106	43+57.01	CL	H INLET	1103.50	1099.99	3.51	W/ R-1878-B7G
* S-107	46+30.06	CL	H INLET	1126.25	1119.00	7.25	FP; W/ R-1878-B7G
S-108	46+49.77	RT-10.79	H INLET	1129.14	1125.34	3.80	W/ R-3067-7004-V
S-109	46+96.79	RT-9.86	H INLET	1129.14	1125.74	3.40	W/ R-3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
STORM EASEMENT 2										
P-100	S-14	S-100	1082.70	1083.76	176	173	0.61%	15"	TYPE I	-
P-101	S-100	S-101	1083.76	1083.93	31	29	0.59%	15"	TYPE I	-
P-102	S-101	S-102	1083.93	1084.03	18	16	0.62%	15"	TYPE II	-
P-103	S-102	S-103	1084.03	1090.96	232	230	3.01%	15"	TYPE II	-
* P-104	S-103	S-104	1099.00	1099.31	18	16	1.94%	15"	TYPE II	-
P-105	S-104	S-105	1099.31	1099.56	27	25	1.00%	15"	TYPE I	-
P-106	S-105	S-106	1099.81	1099.99	18	16	1.13%	12"	TYPE II	-
P-107	S-106	S-107	1099.99	1119.00	273	271	7.01%	12"	TYPE II	-
* P-108	S-107	S-108	1123.25	1125.34	23	20	10.45%	12"	TYPE II	-
P-109	S-108	S-109	1125.34	1125.74	47	45	0.89%	12"	TYPE I	-

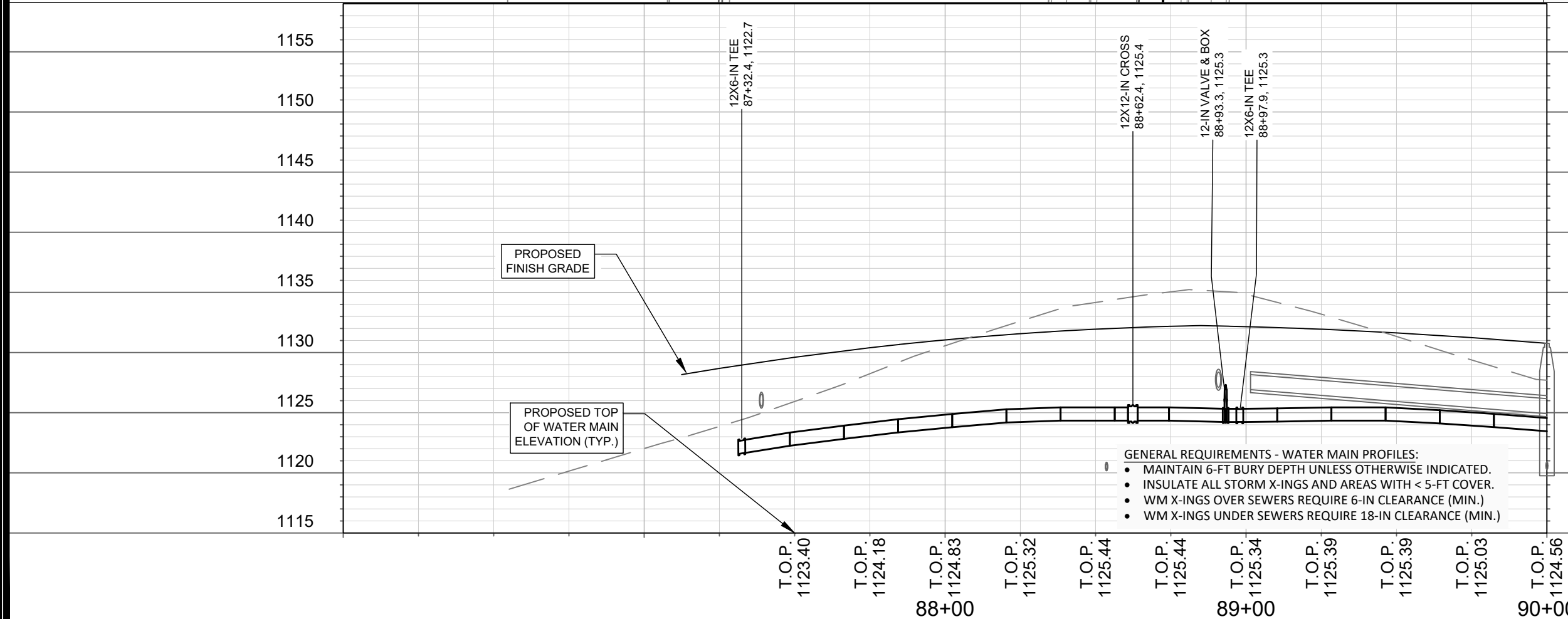
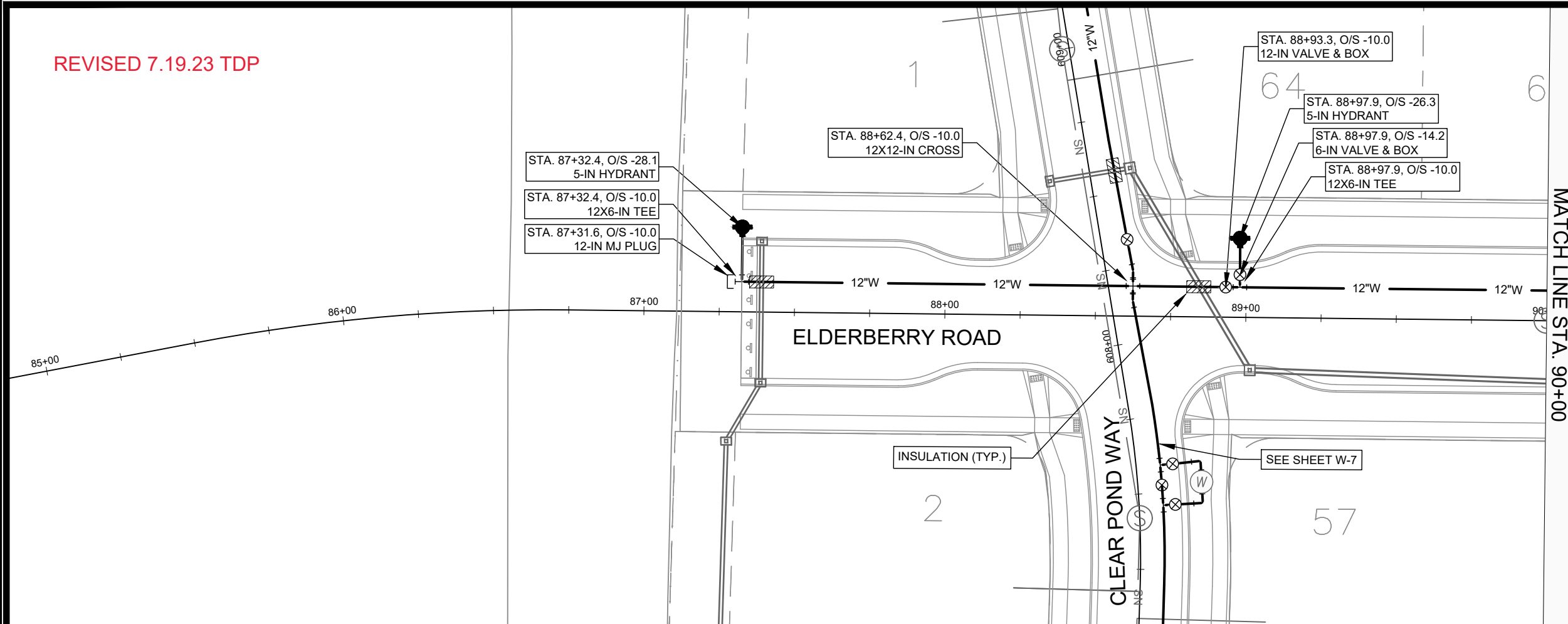
SPECIFIC NOTES:

STANDARD NOTES:

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- 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.
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- FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

REVISÉD 7.19.23 TDP



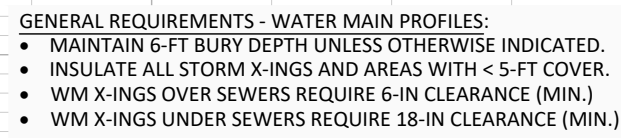
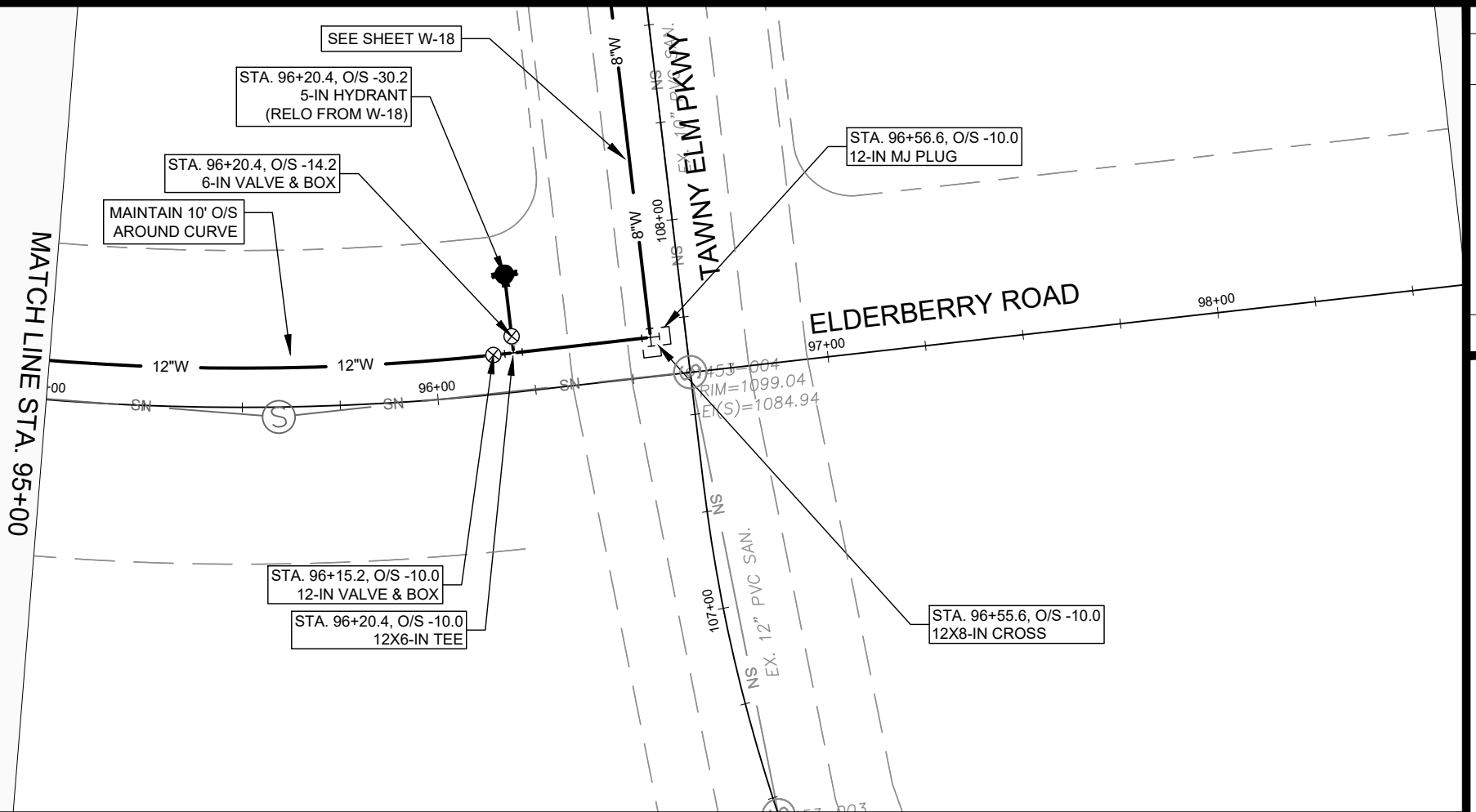
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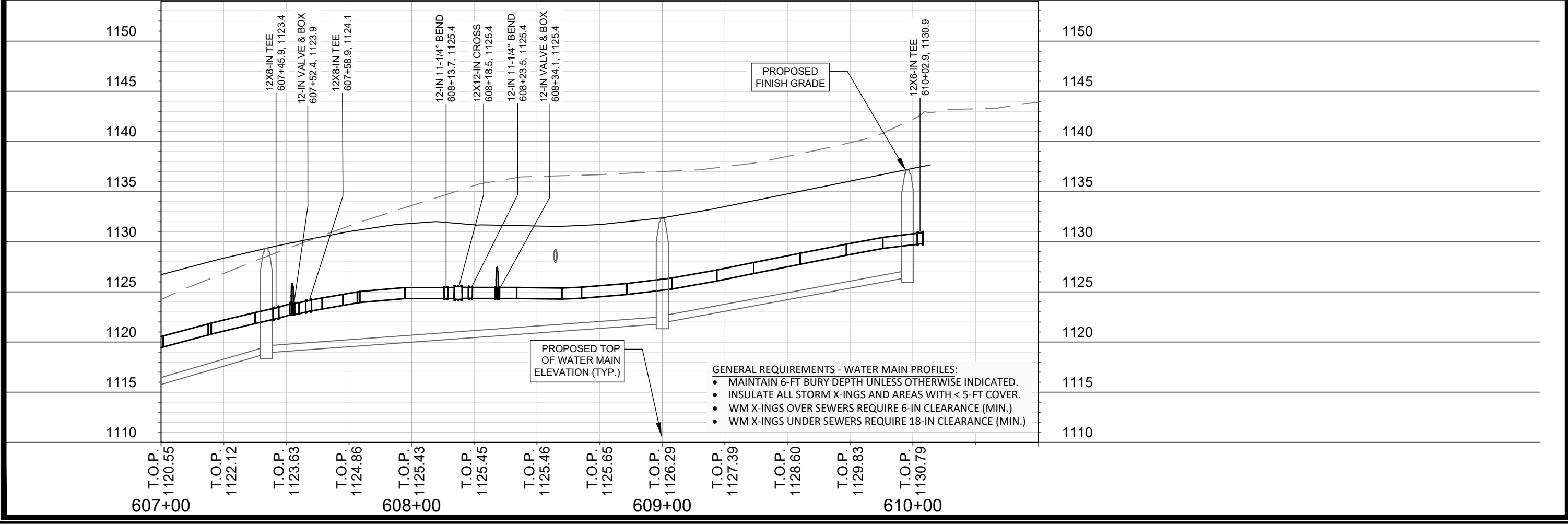
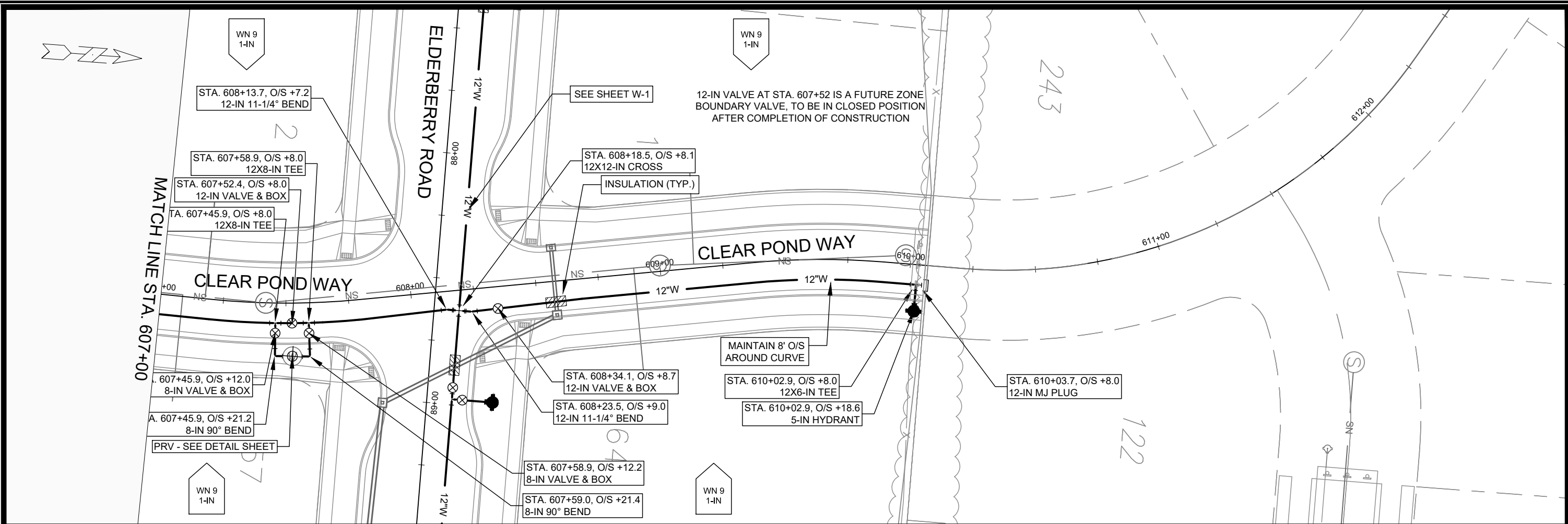
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CONTRACT NO:		

ELDERBERRY ROAD - WATER PLAN & PROFILE
WESTWIND
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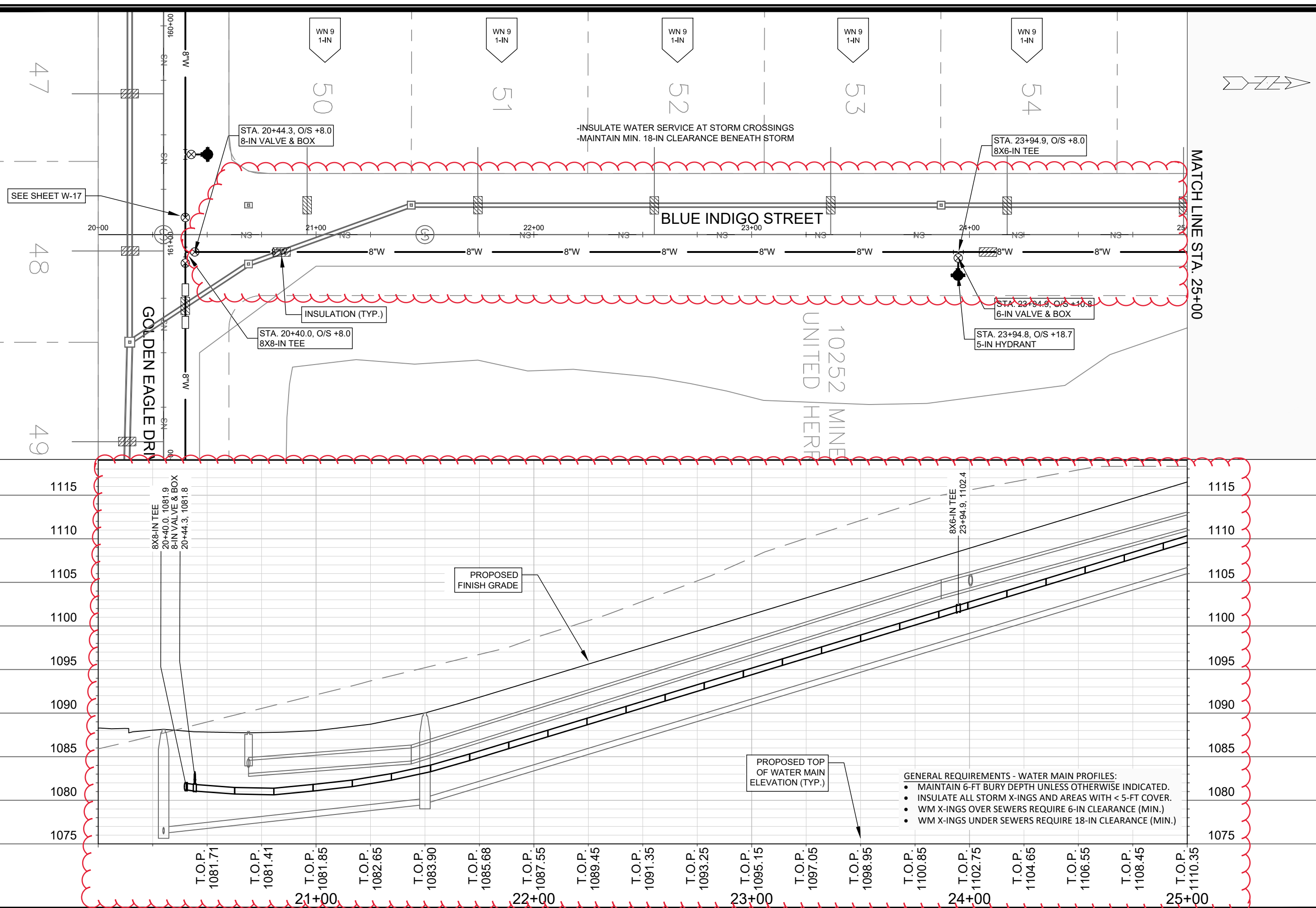


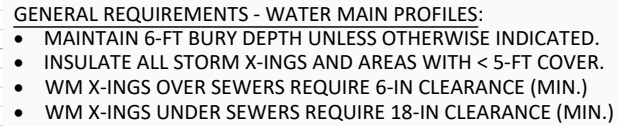
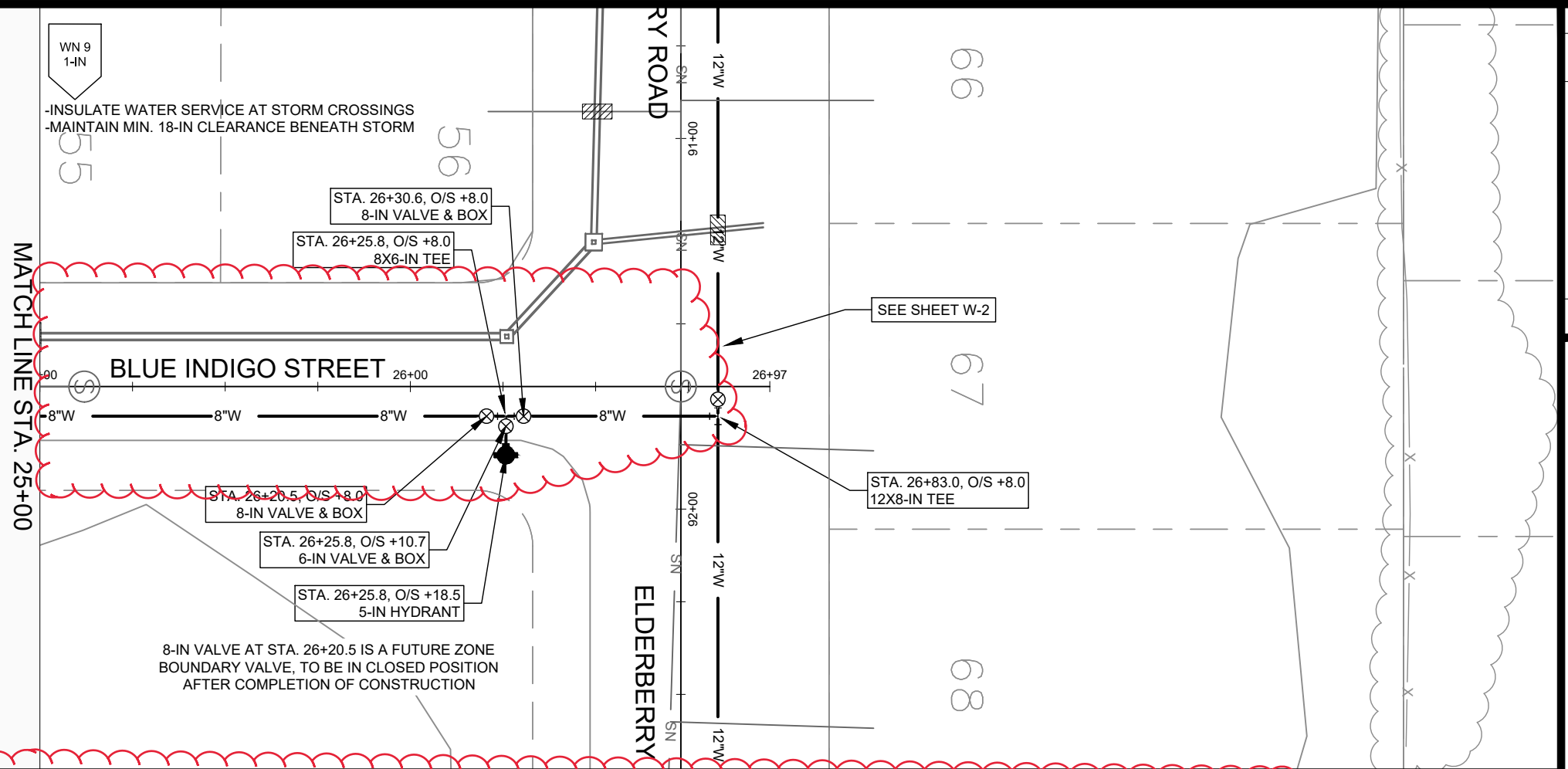
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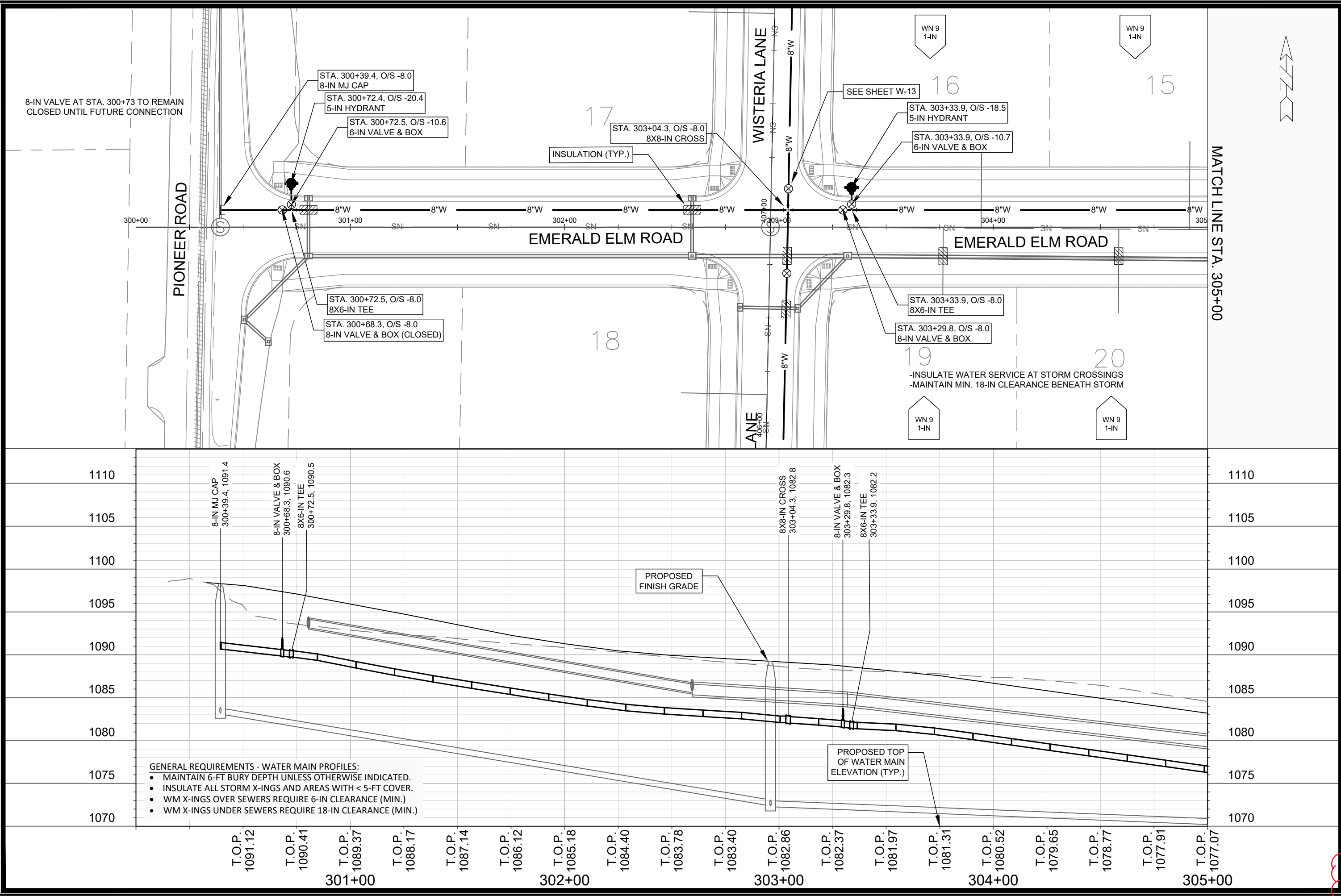




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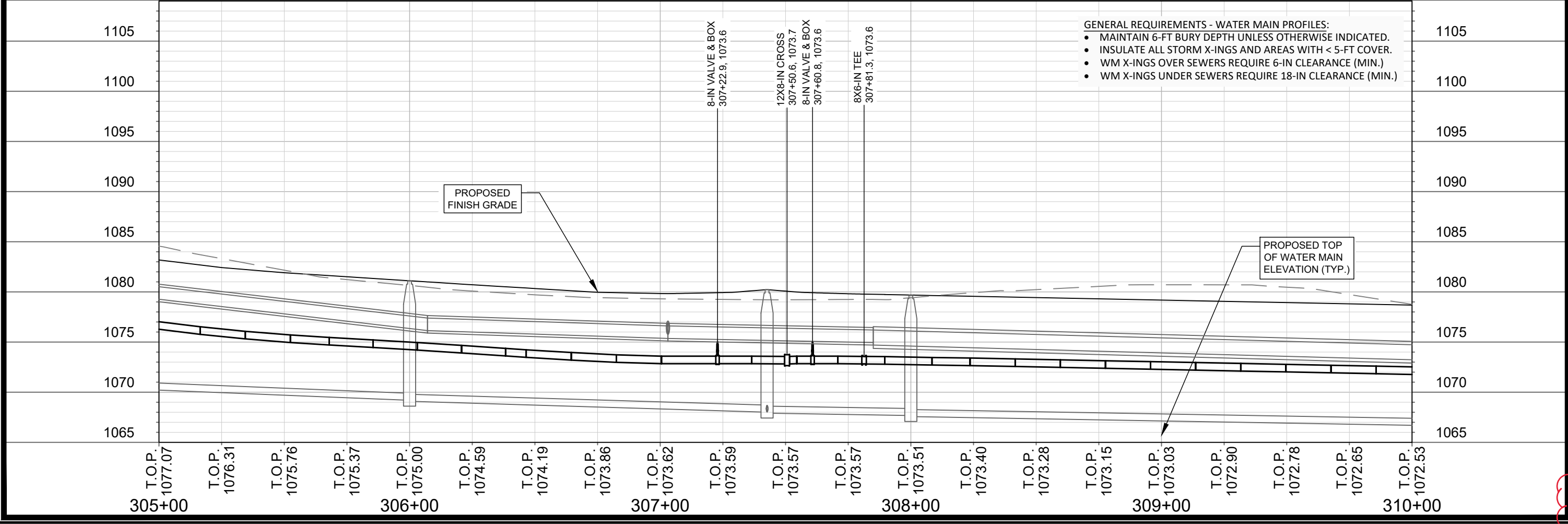
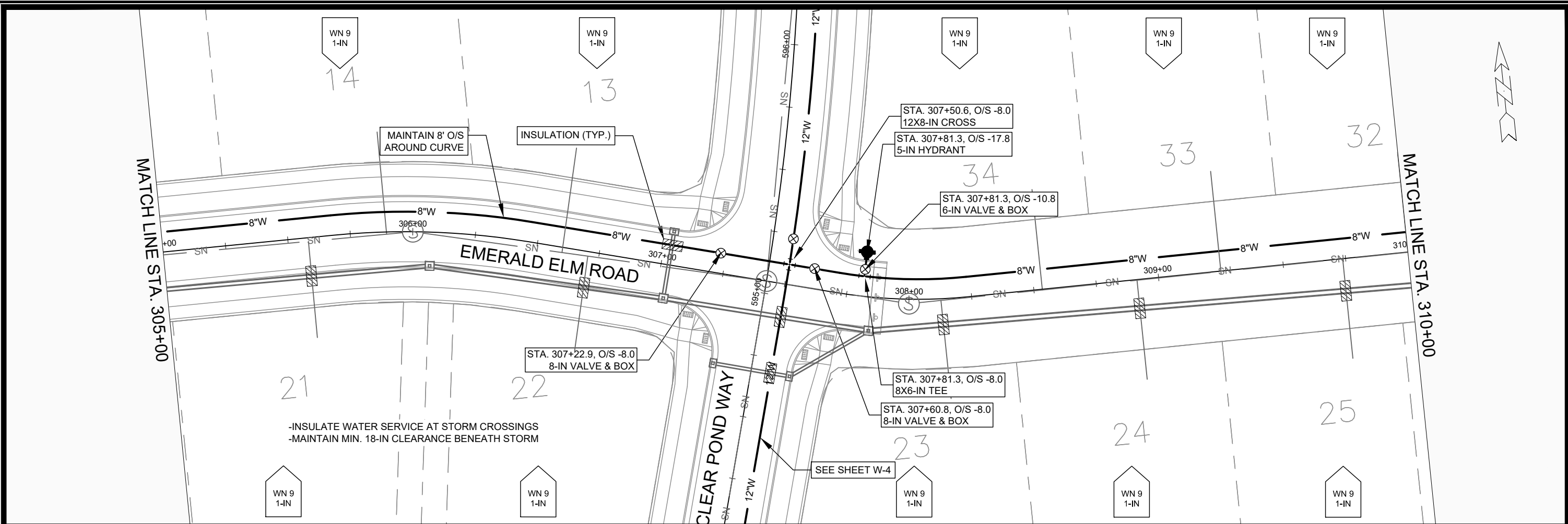
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CONTRACT NO: 9126

EMERALD ELM ROAD - WATER PLAN & PROFILE
WESTWIND

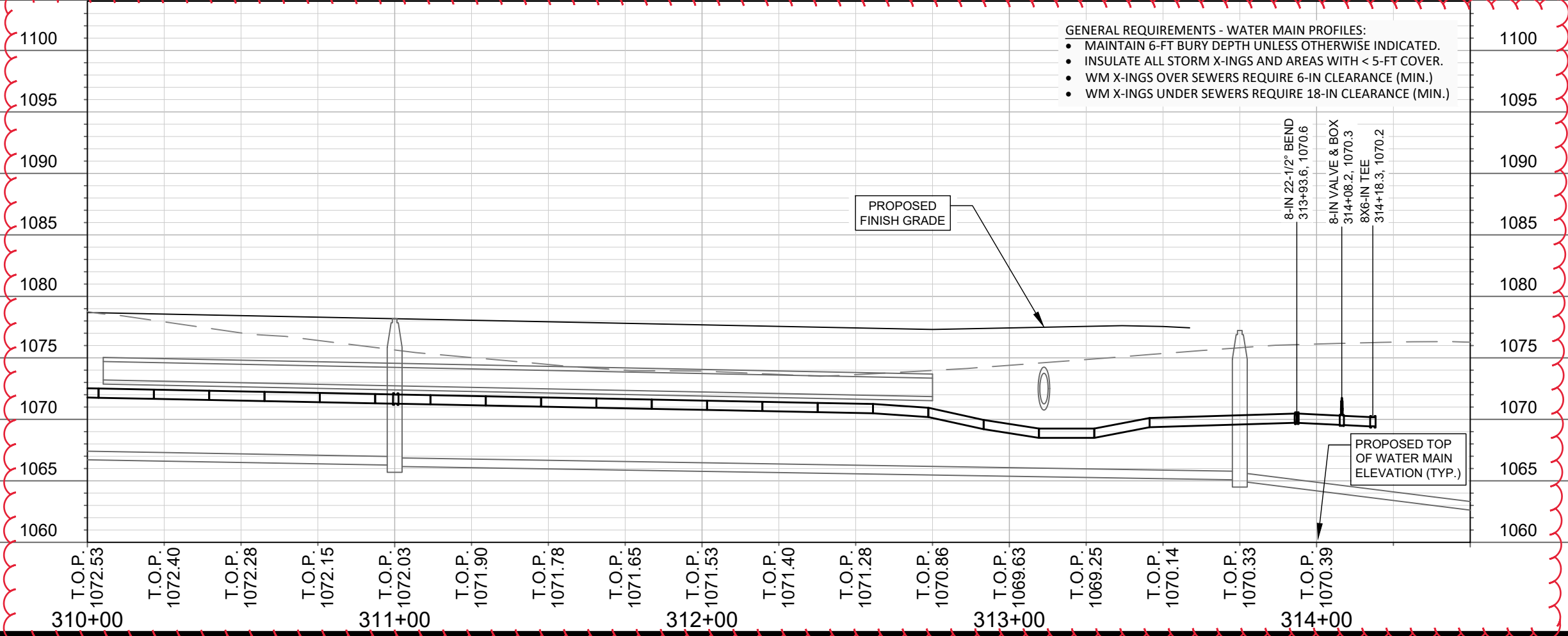
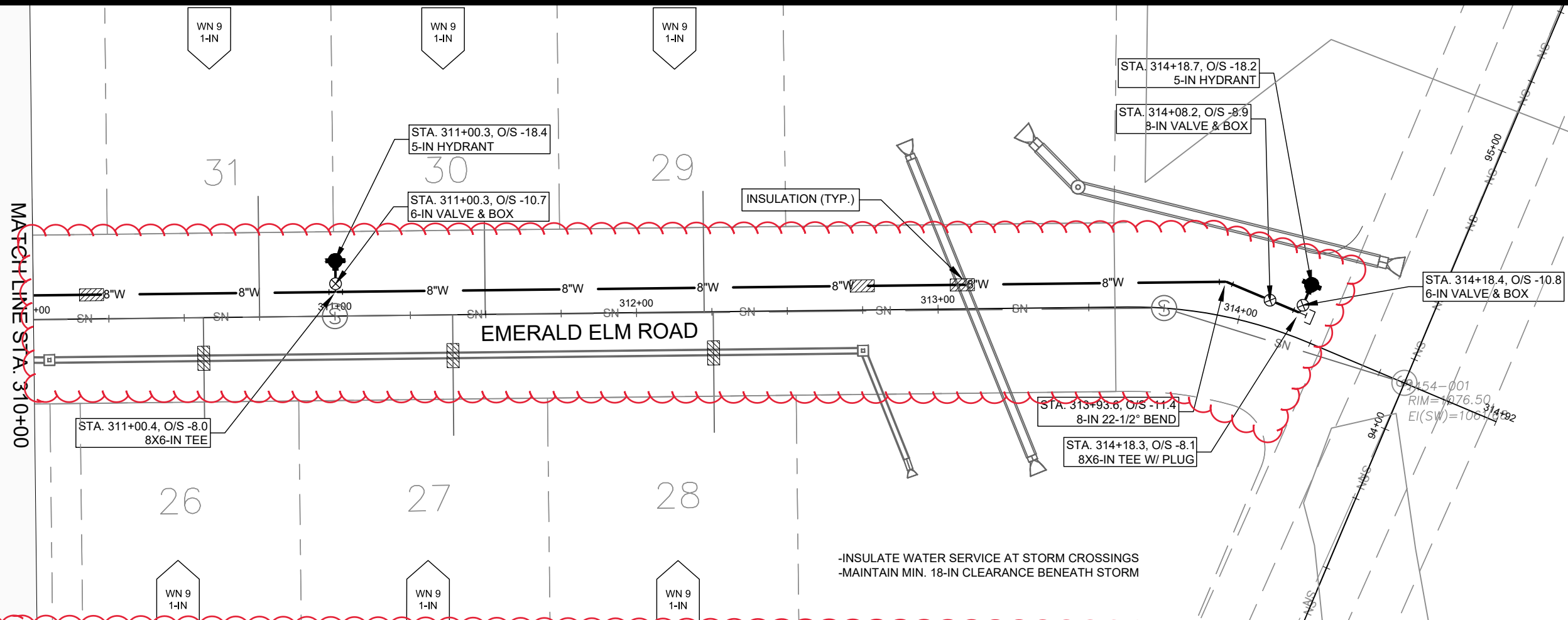
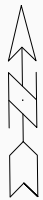
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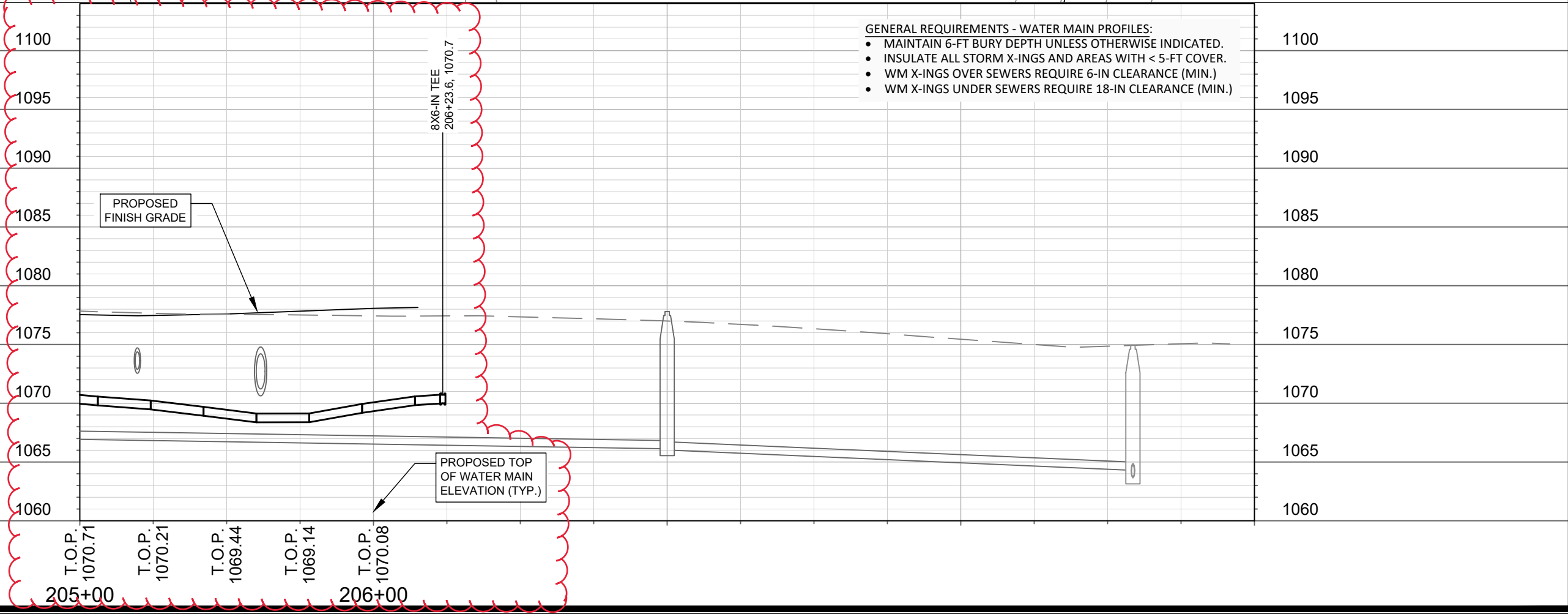
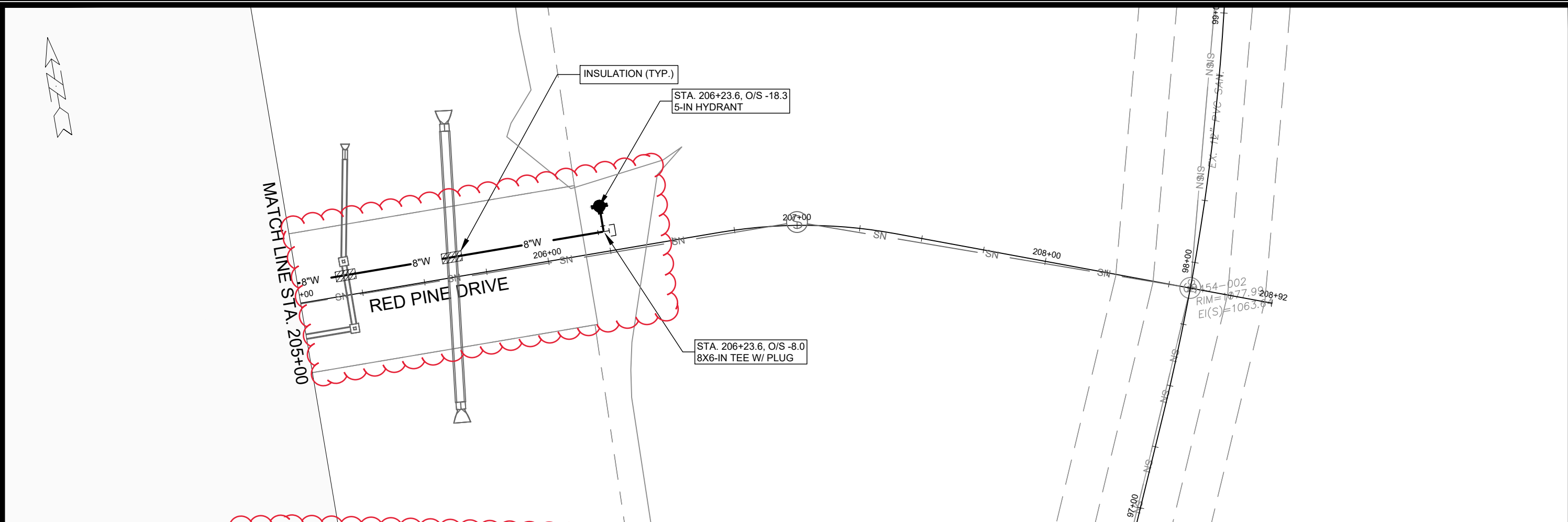


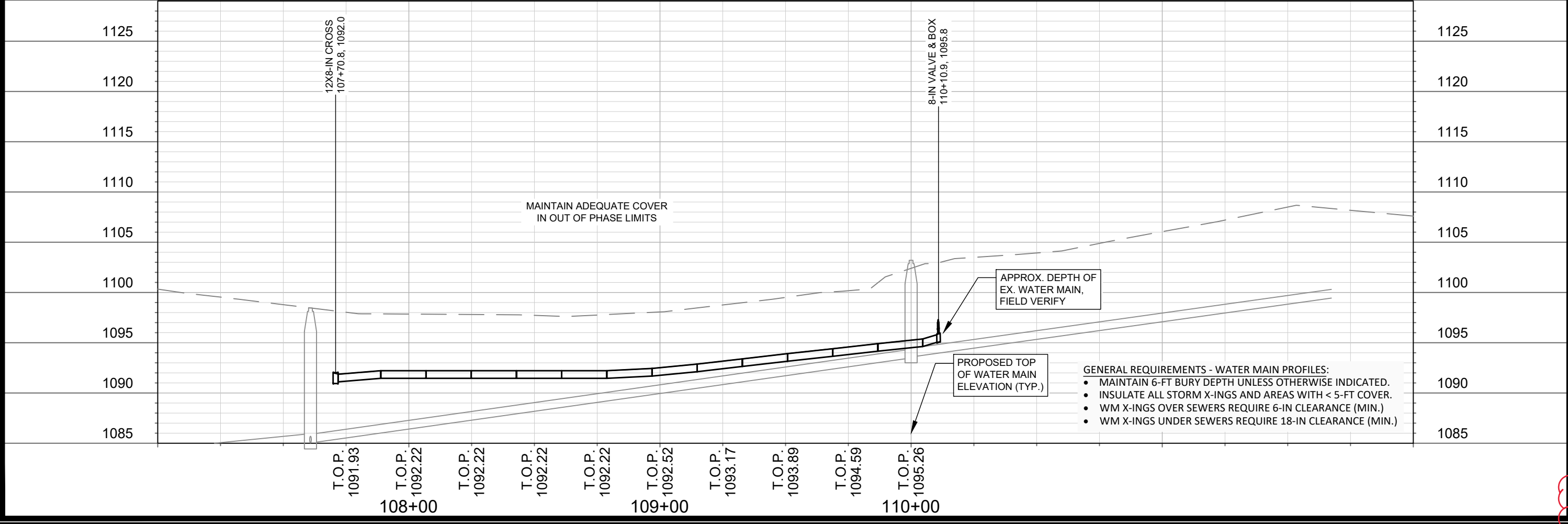
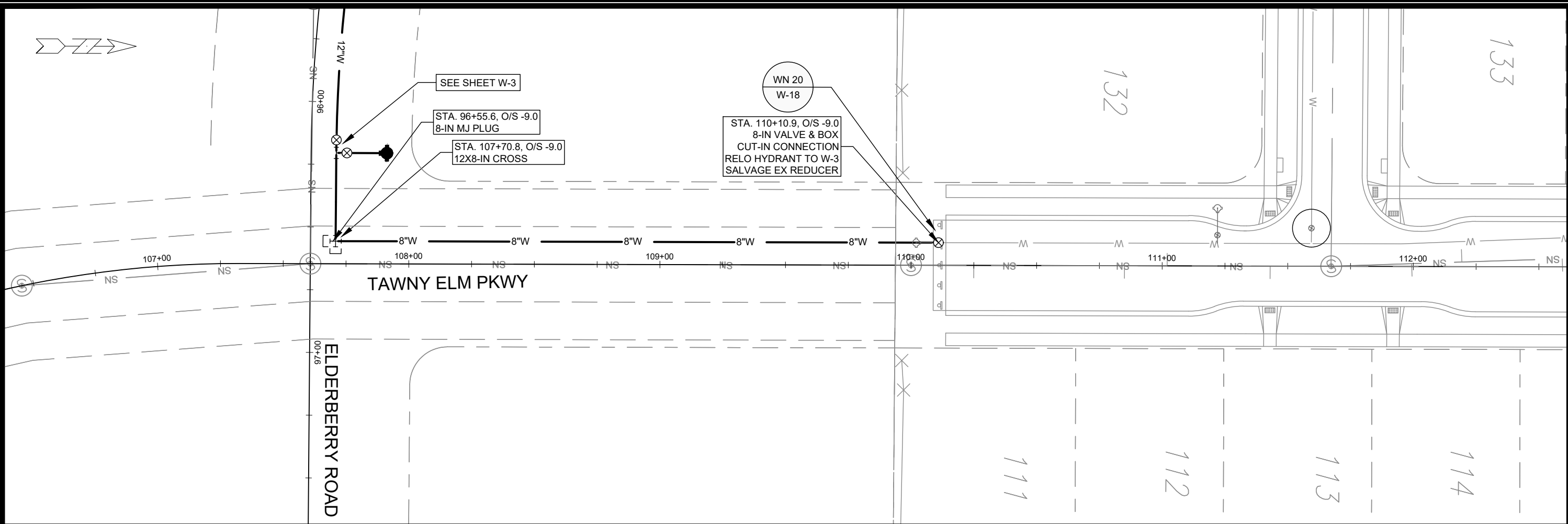
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- GENERAL REQUIREMENTS - WATER MAIN PROFILES:
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE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

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EMERALD ELM ROAD - WATER PLAN & PROFILE		WESTWIND		13910	
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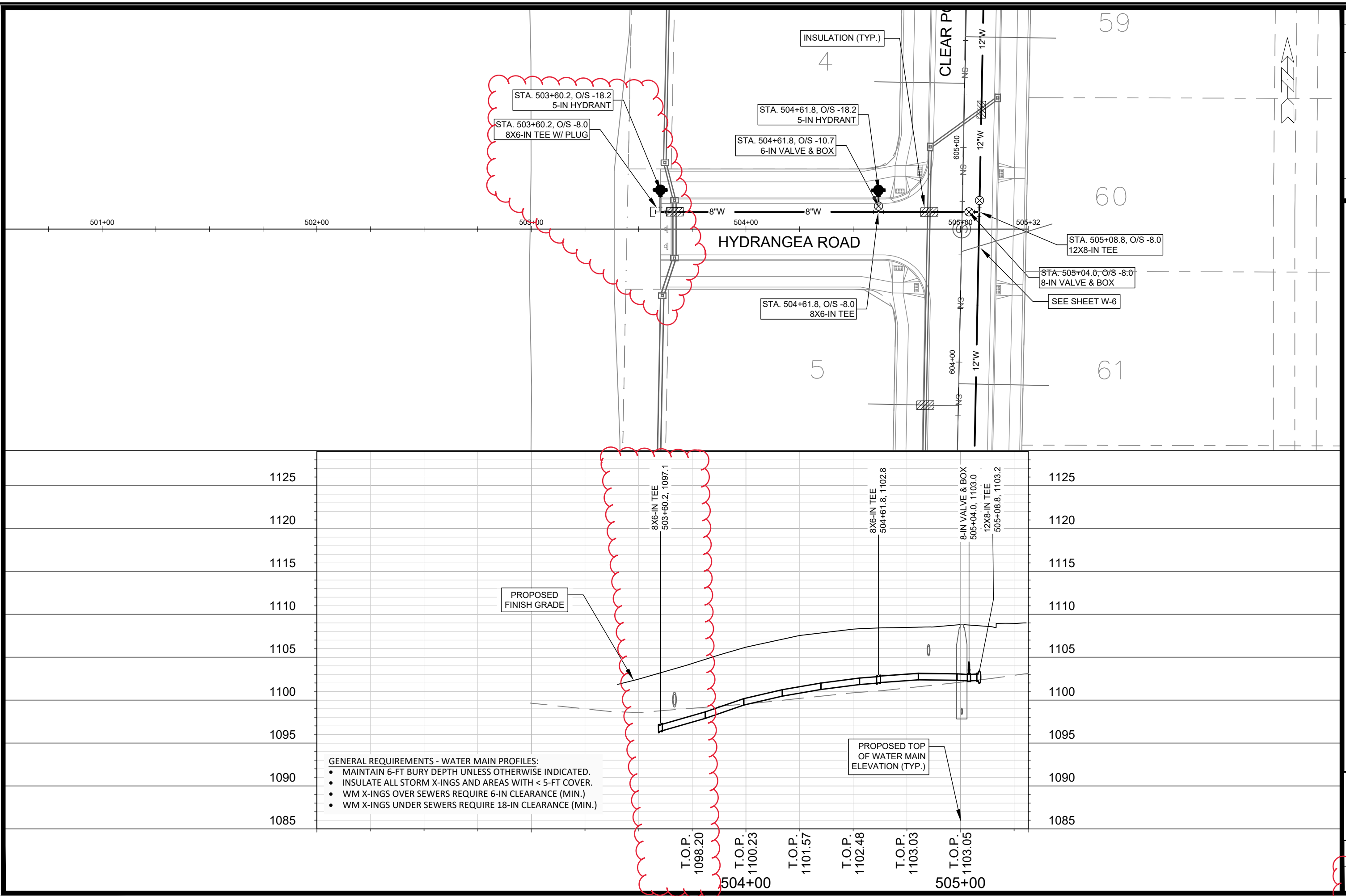




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CONTRACT NO: 9126
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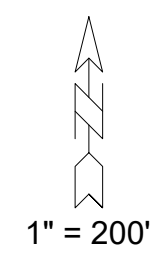
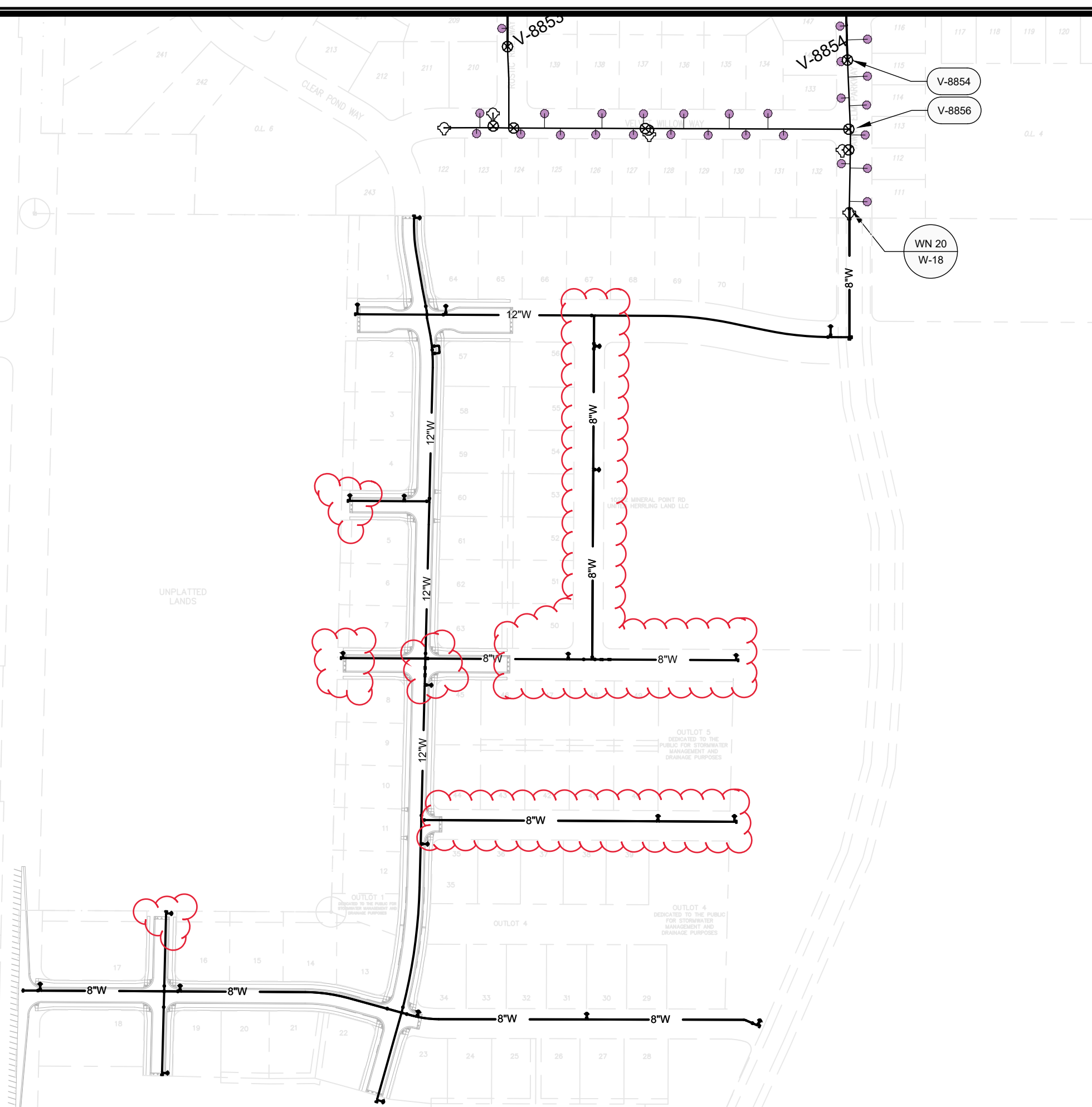
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		W-19	

13910	MADISON, WI
CONTRACT NO: 9126	

HYDRANGEA ROAD - WATER PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\139\10\CAD\Water\13910 WU-Water 6.21.23.dwg



13910
W-19



WN20: CUT-IN CONNECTION AT TAWNY ELM PKWY 8-IN, SEE SHEET W-18
ISOLATION VALVES: V-8854 AT TAWNY ELM PKWY & V-8856 AT TAWNY ELM PKWY AND VELVET WILLOW WAY
NOTIFY: 415 THROUGH 432 TAWNY ELM PKWY & 10401 VELVET WILLOW WAY.

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

SCALE: 1" = 200'	
DESIGNED BY: TDP MADISON WATER UTILITY 119 E OLIN AVE, MADISON, WI 53713 PRINTING DATE: 07/17/2023	
CONTRACT NO: 9126	
WESTWIND WATER IMPACT PLAN CITY OF MADISON, WISCONSIN	
	13910 W-20

PROJECTS\13910\CAD\WATER\13910 WU IMPACT PLAN V2.DWG



1. WORK SHALL INCLUDE FURNISHING AND PLACING THE LEVELING BASE AND STRUCTURE, AS SPECIFIED; AND ALSO ALL ASSOCIATED CONSTRUCTION OF THE PIPING, AS SPECIFIED (D.I. PIPE, VALVES, VALVE BOXES, THRUST RESTRAINT, JOINT RESTRAINT, OFFSET FITTINGS, FLANGE PIPE/ADAPTORS, TAPS, ETC).
2. ALL PIPE, FITTINGS, AND APPURTENANCES SHALL BE NEWLY FURNISHED UNLESS OTHERWISE NOTED.
3. SEE THE SPECIAL PROVISIONS FOR MORE INFORMATION REGARDING THE CLA-VAL PRESSURE REDUCING VALVE.
4. MANHOLE AND STRUCTURE SHALL BE WATER-TIGHT.



PRESSURE REDUCING VALVE MANHOLE / STANDARD PIPING CONFIGURATION (PLAN VIEW - NTS)

13910
W-21

DESIGNED BY: TDP
MADISON WATER U
1119 E OLIN AVE, MA
PRINTING DATE: 5/1

CONTRACT NO: 9126

\\PDC01NIPROJ\ECTS\13910\CAD\WATER\13910 WJ-PRV DETAIL DWG



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 CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS 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.

*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

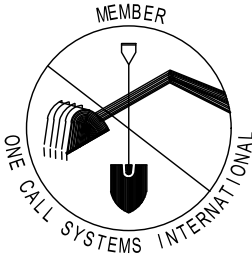
PAY ITEM ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	280	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	4140	LNFT
70005	FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	2700	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	14	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	18	EACH
70034	FURNISH AND INSTALL 12-INCH WATER VALVE	9	EACH
70040	FURNISH AND INSTALL AND SALVAGE HYDRANT	22	EACH
70041	RELOCATE HYDRANT	1	EACH
70050	FURNISH AND INSTALL 1-INCH SERVICE LATERALS	70	EACH
70080	CUT-IN OR CONNECT TO EXISTING WATER SYSTEM	1	EACH
70101	FURNISH AND INSTALL STYROFOAM	64	EACH
71002	8-IN MJ CAP	1	EACH
71014	8-IN MJ PLUG	10	EACH
71016	12-IN MJ PLUG	4	EACH
71041	8X8-IN CROSS	1	EACH
71048	12X8-IN CROSS	3	EACH
71050	12X12-IN CROSS	1	EACH
71111	8-IN 90° BEND	2	EACH
71135	8-IN 22-1/2° BEND	1	EACH
71149	12-IN 11-1/4° BEND	2	EACH
71210	8X6-IN TEE	16	EACH
71211	8X8-IN TEE	1	EACH
71217	12X6-IN TEE	7	EACH
71218	12X8-IN TEE	5	EACH
71340	8X12-IN OFFSET	2	EACH
71346	12X24-IN OFFSET	2	EACH
*ESTIMATE OF MATERIALS SALVAGED:			
70041	HYDRANT (RELO)	1	EACH
71159	8X6 REDUCER	1	EACH
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.			

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN-5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN-8 ABANDON THE VALVE BOX.
- WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN-10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

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.

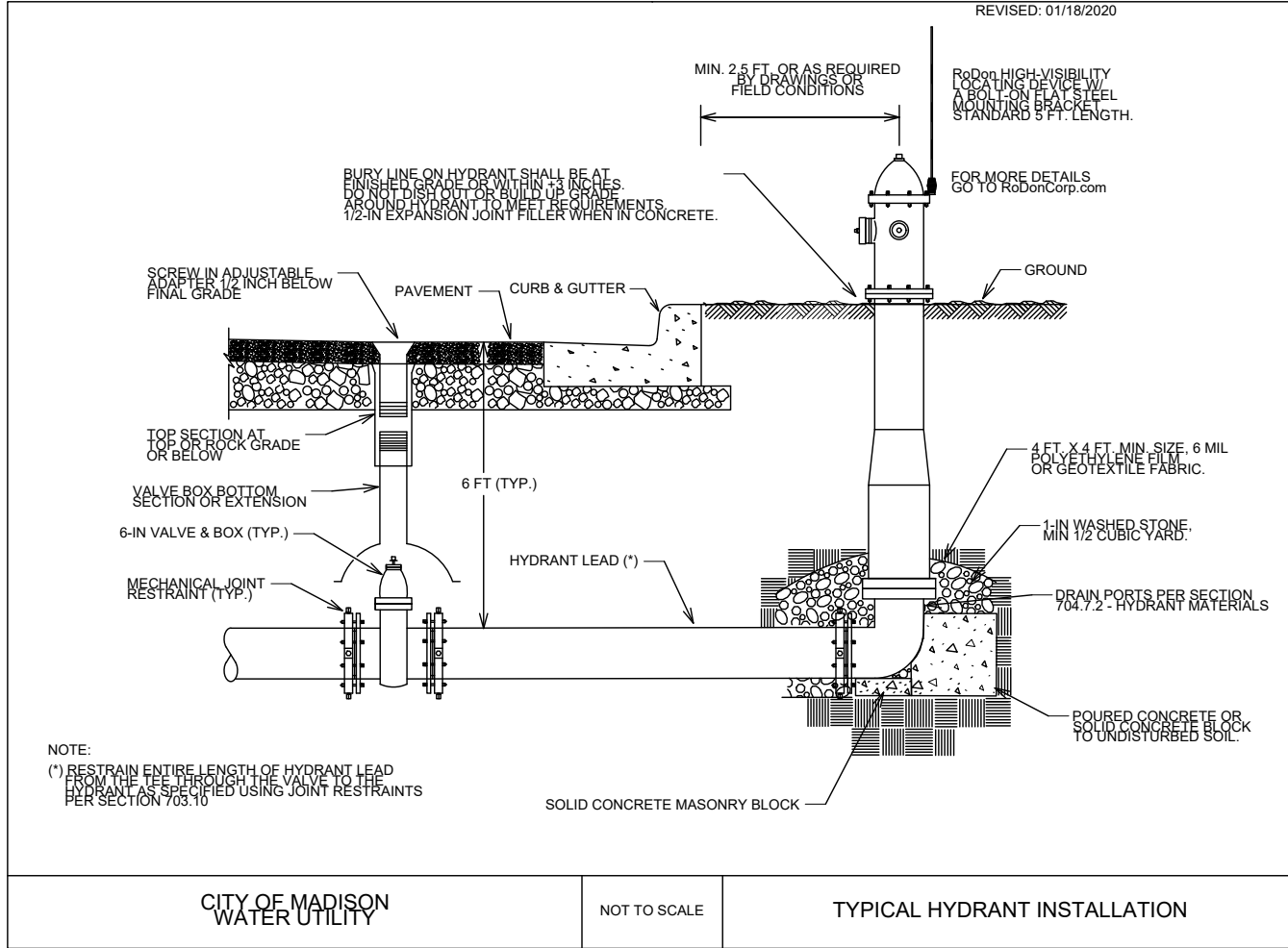
WATER UTILITY ULO SCHEDULE

ULO	UTILITY	STATION	OFFSET	SHEET
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PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 01/18/2020



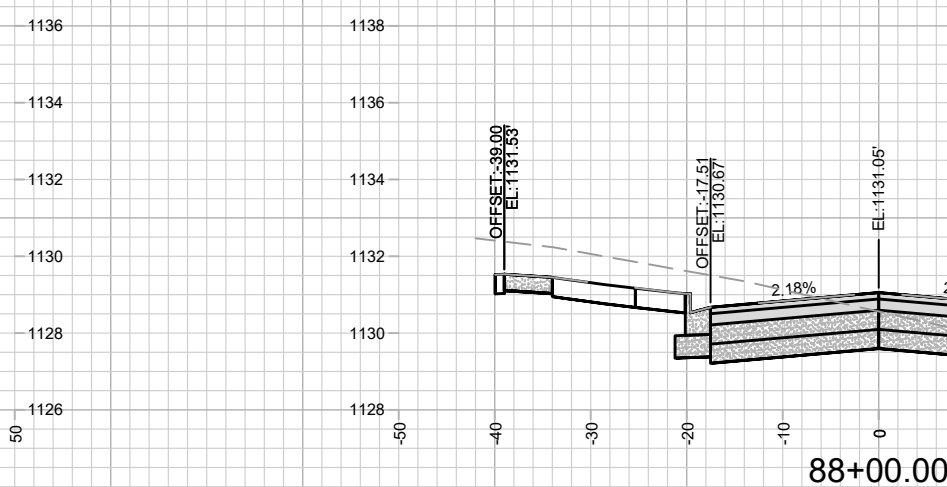
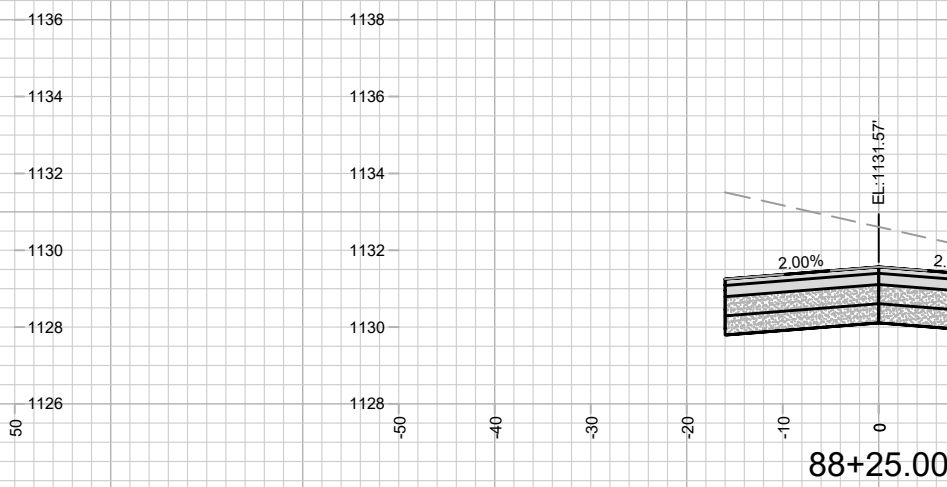
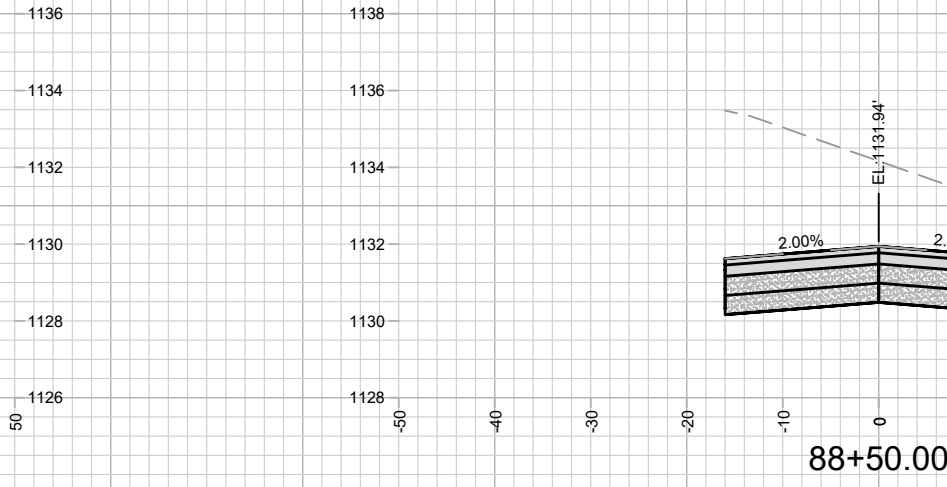
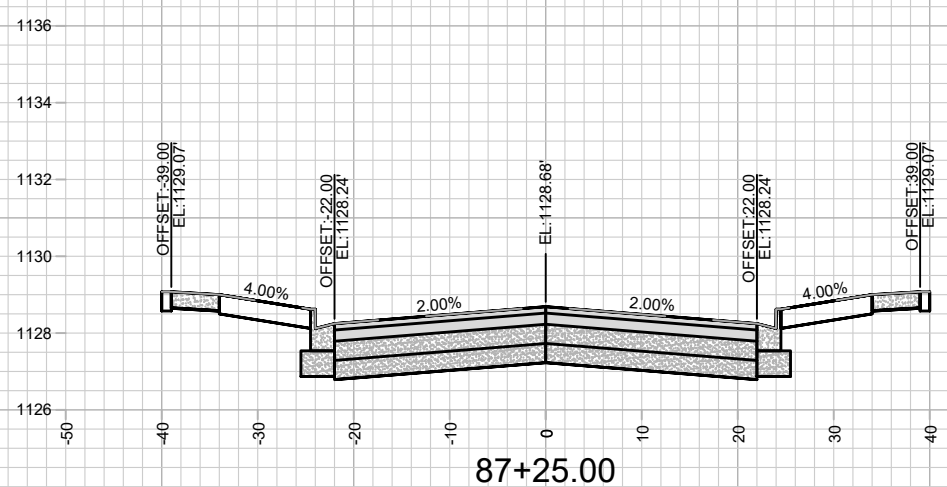
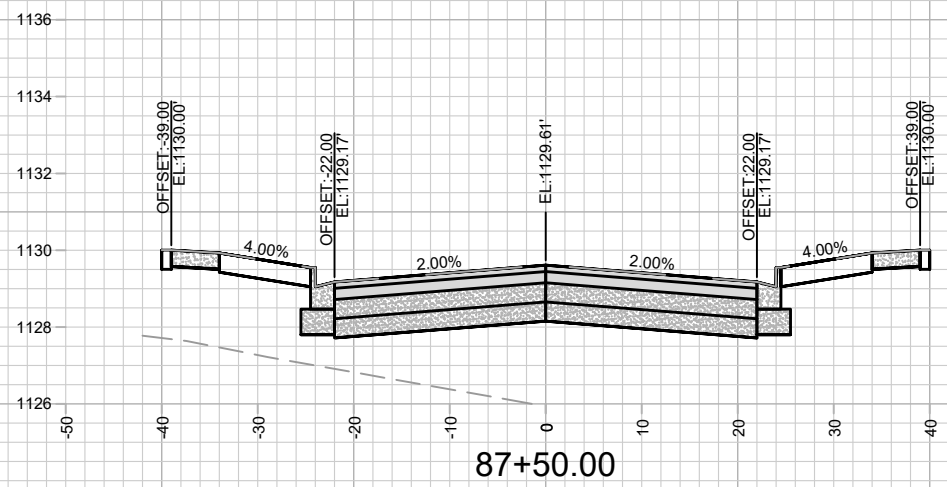
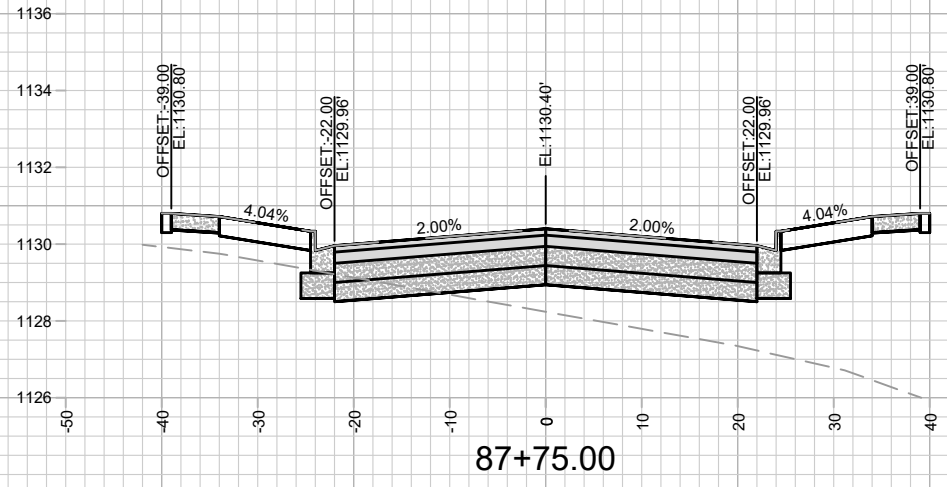
WESTWIND
WATER ESTIMATE OF MATERIALS
CITY OF MADISON, WISCONSIN

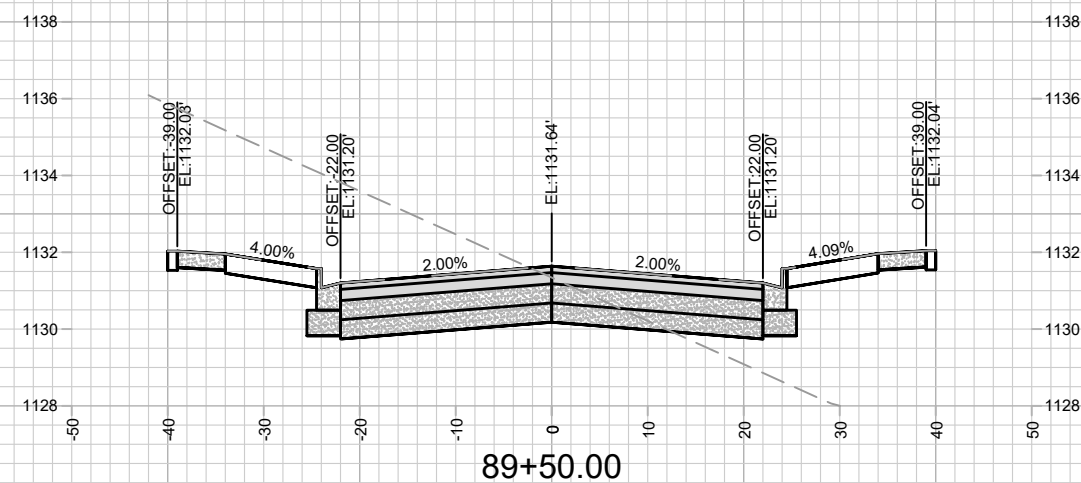
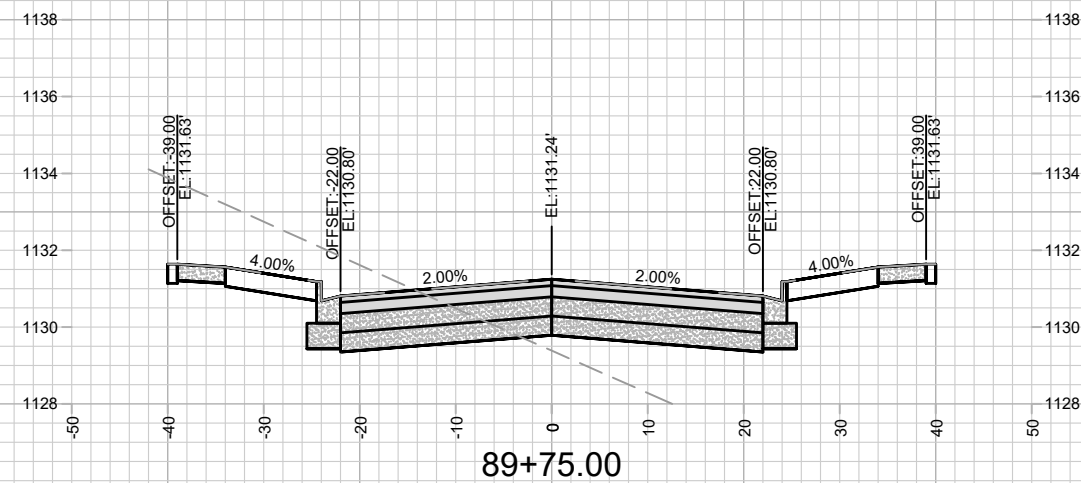
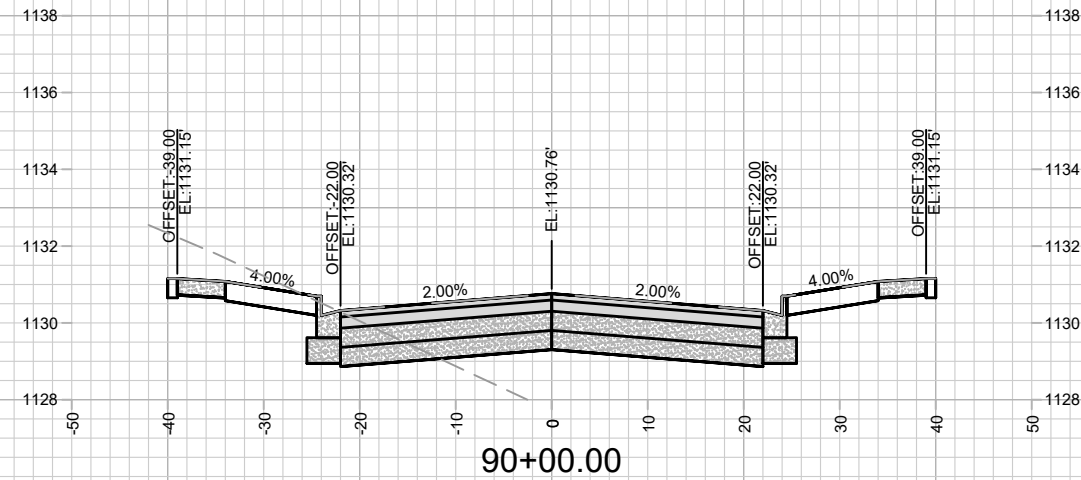
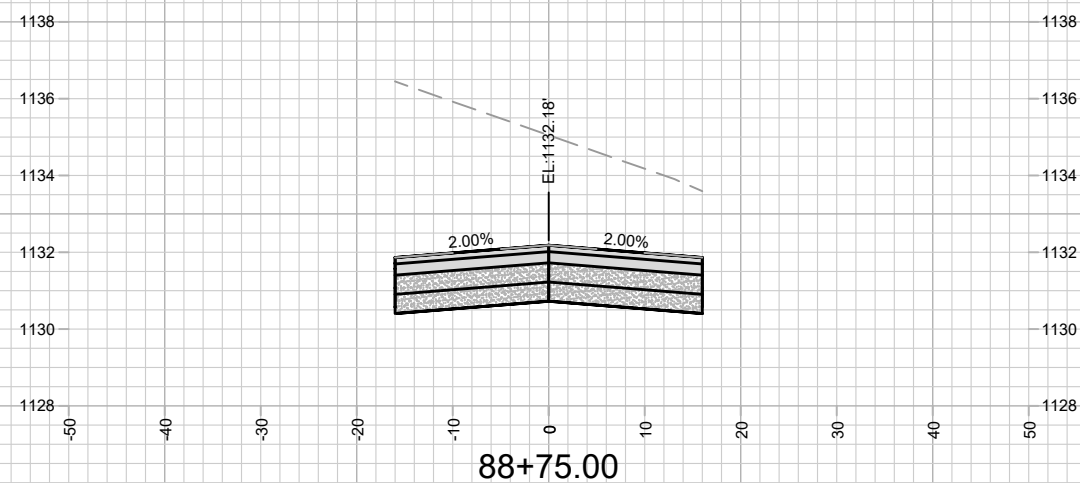
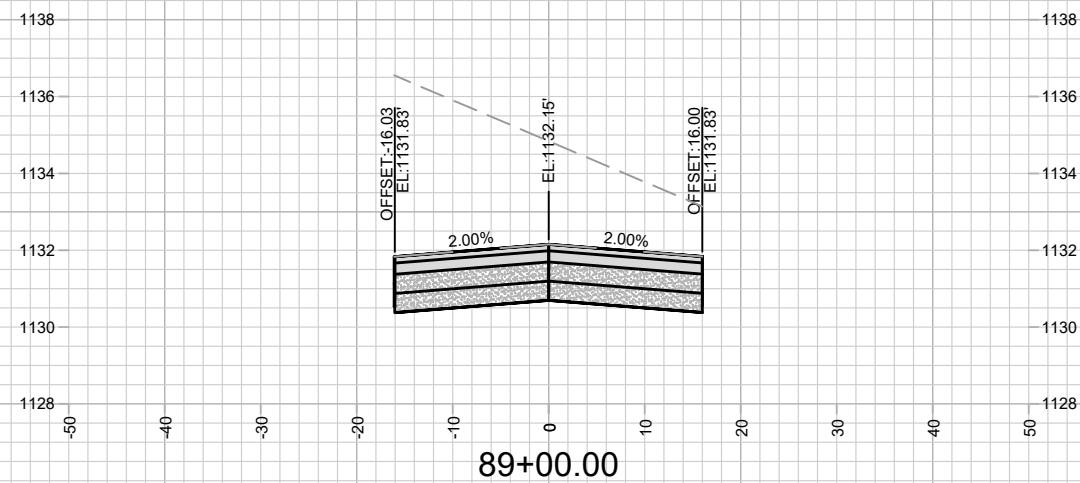
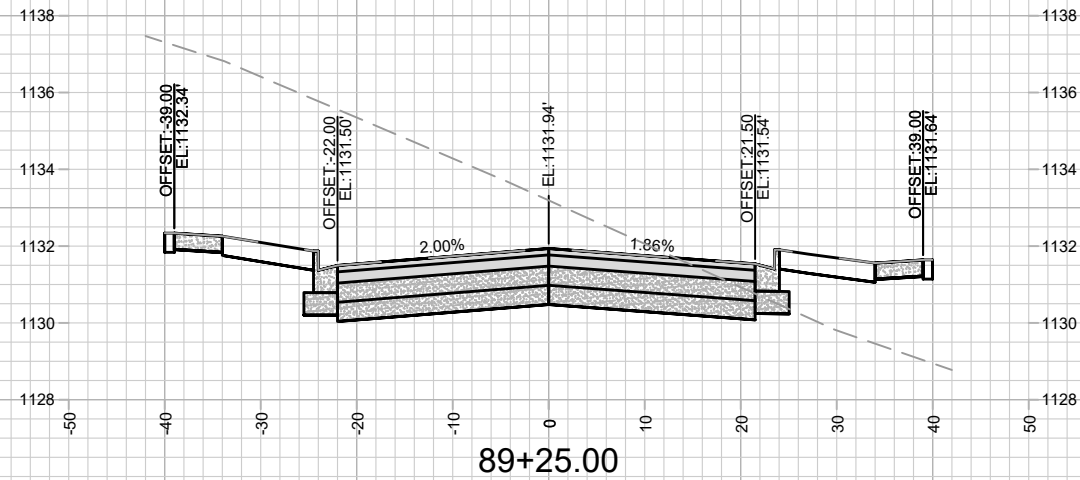


13910
W-22

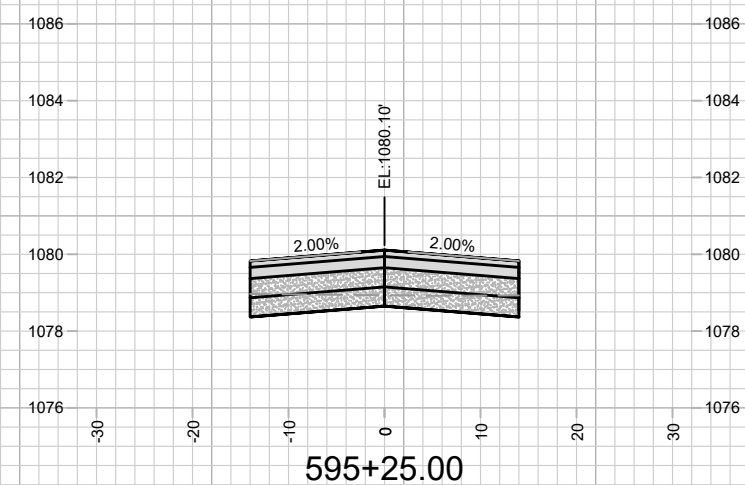
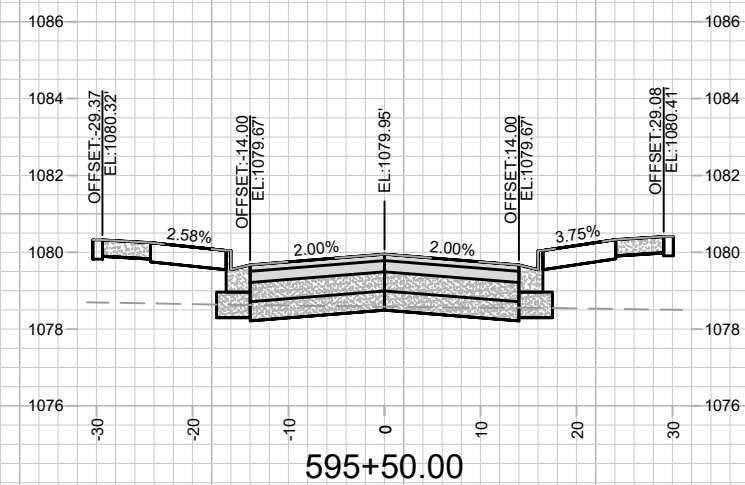
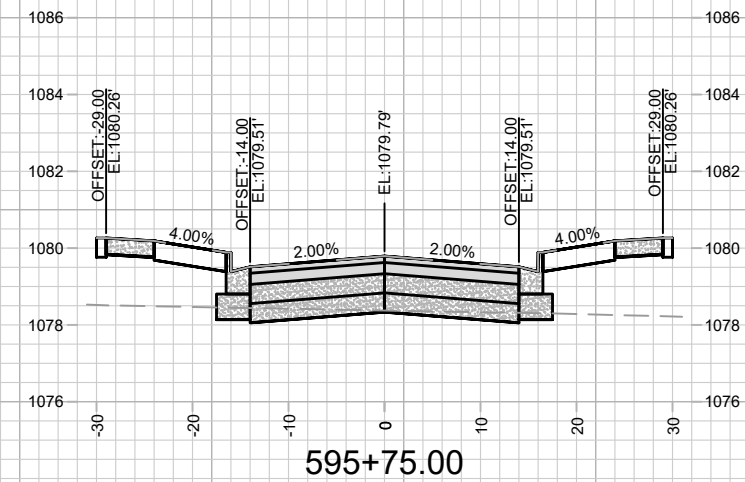
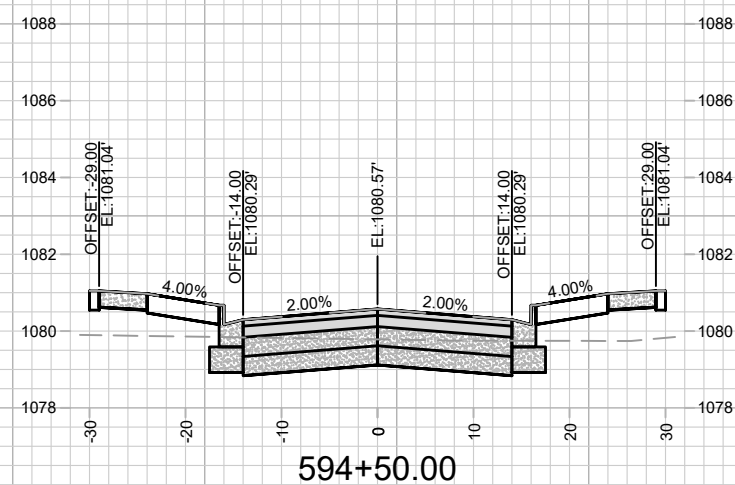
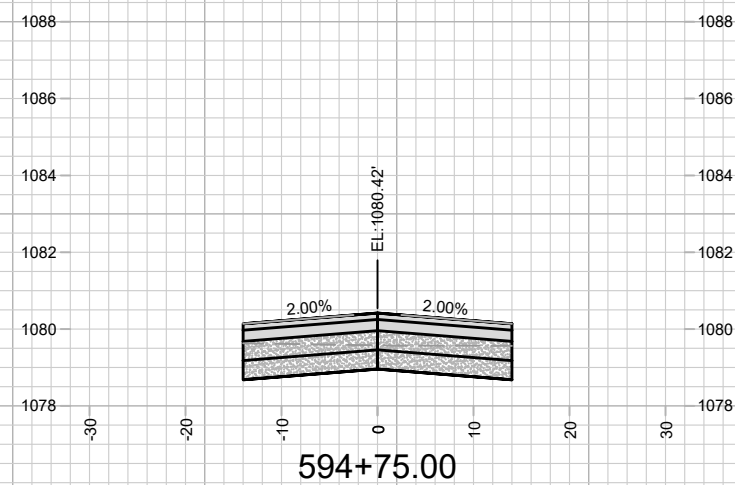
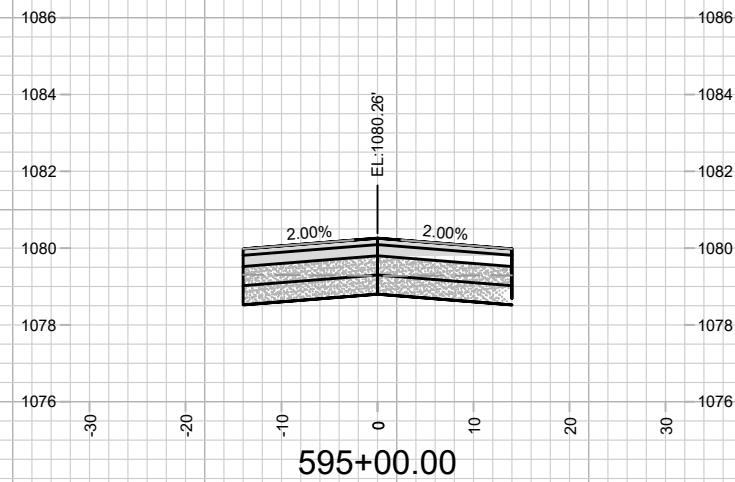
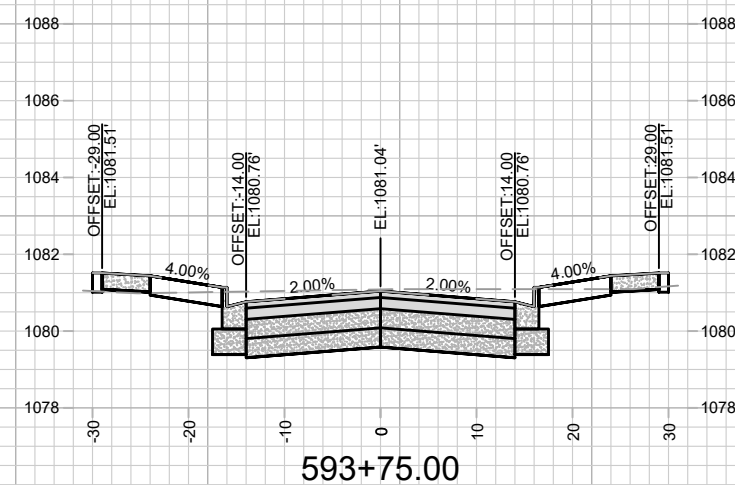
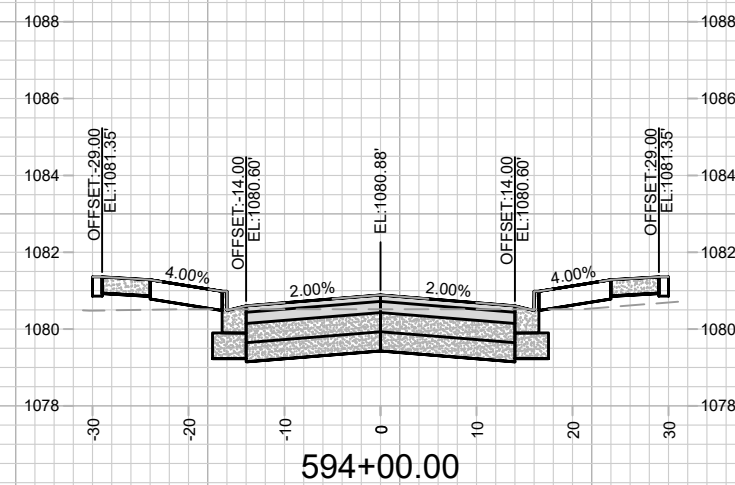
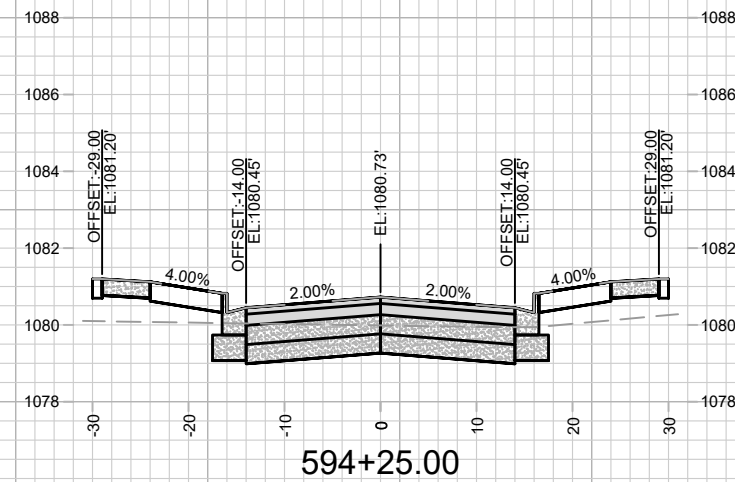
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DESIGNED BY: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 7/18/23

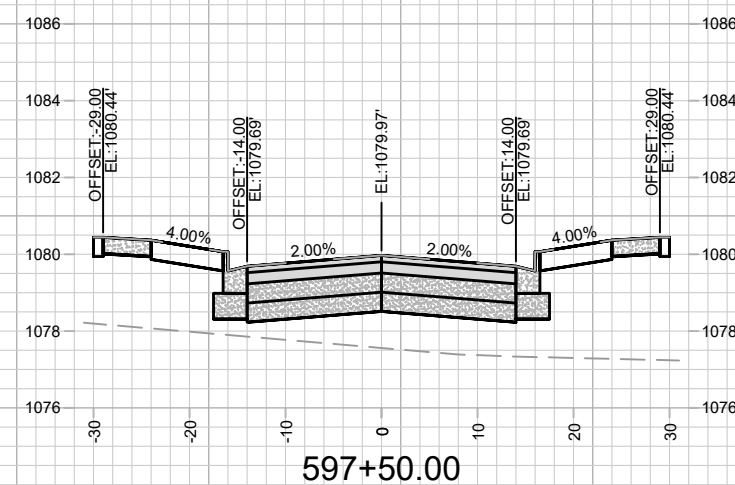
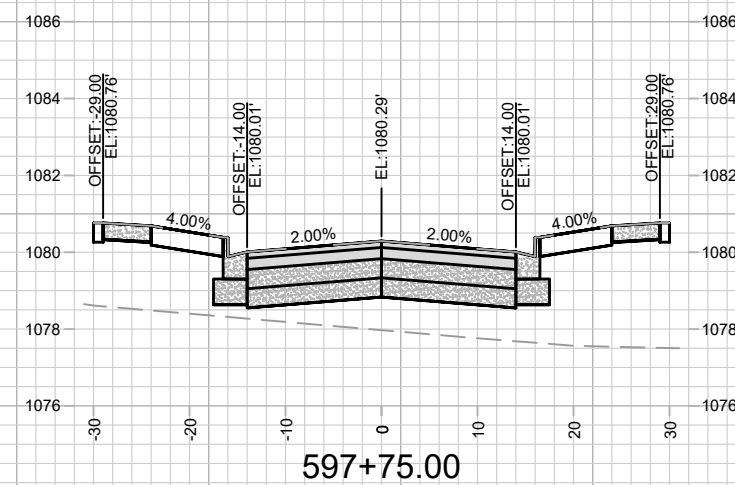
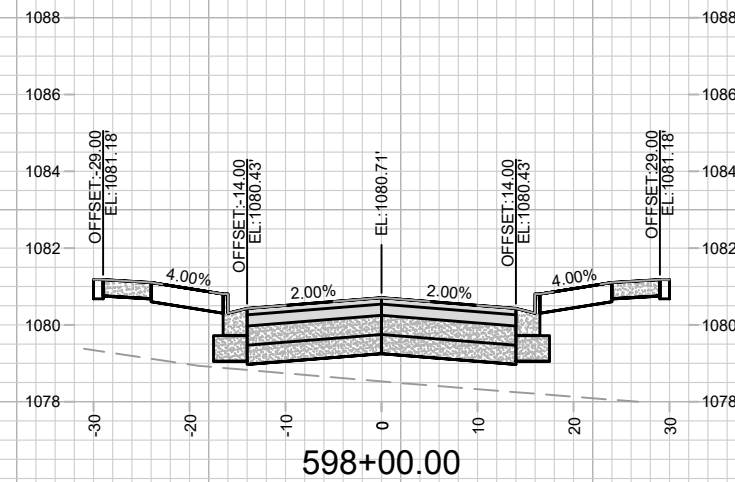
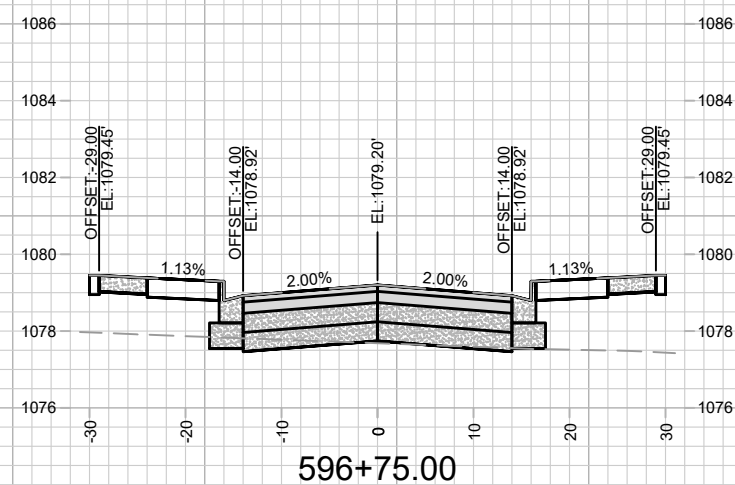
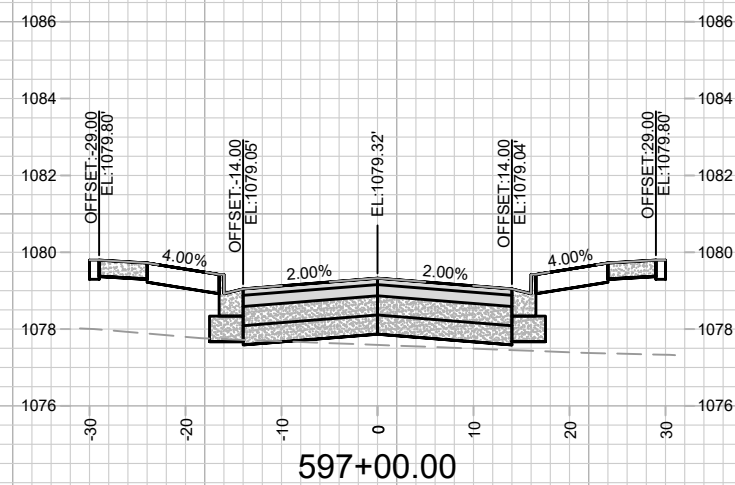
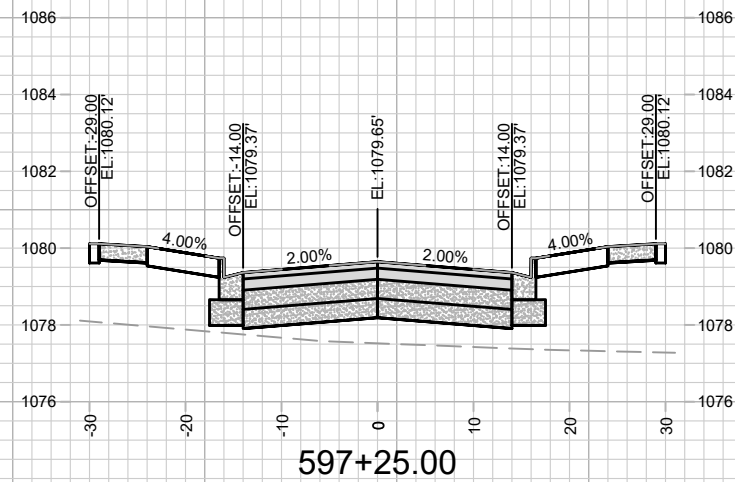
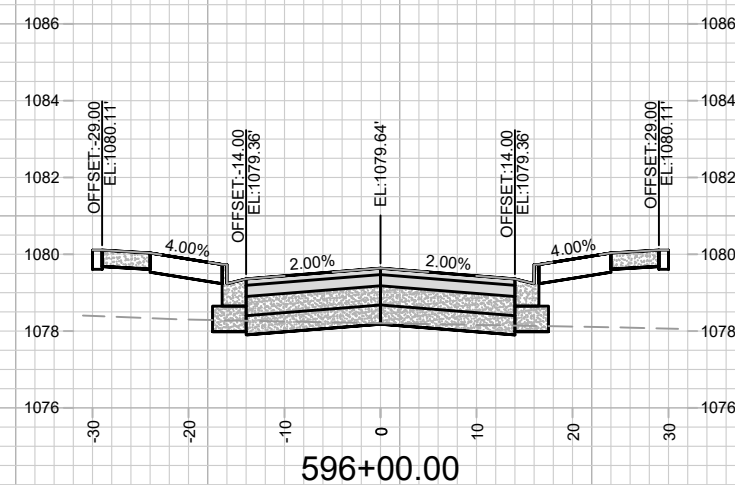
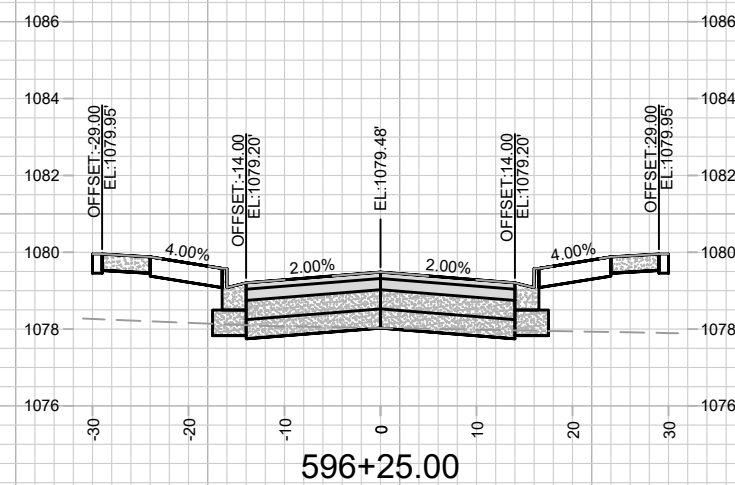
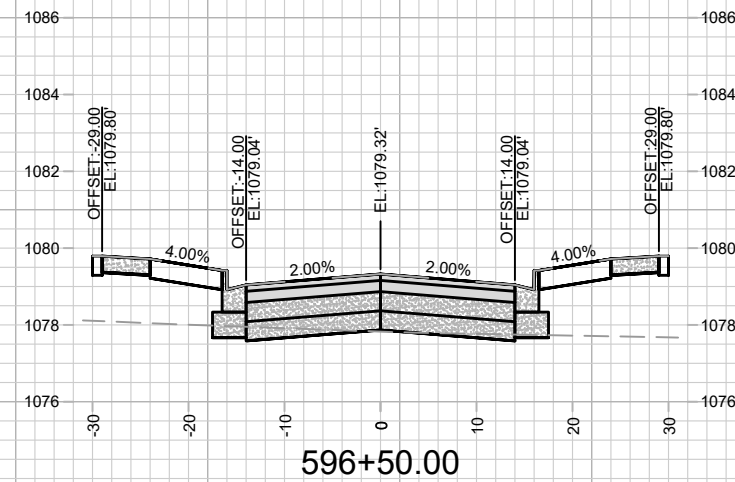
CONTRACT NO: 9126

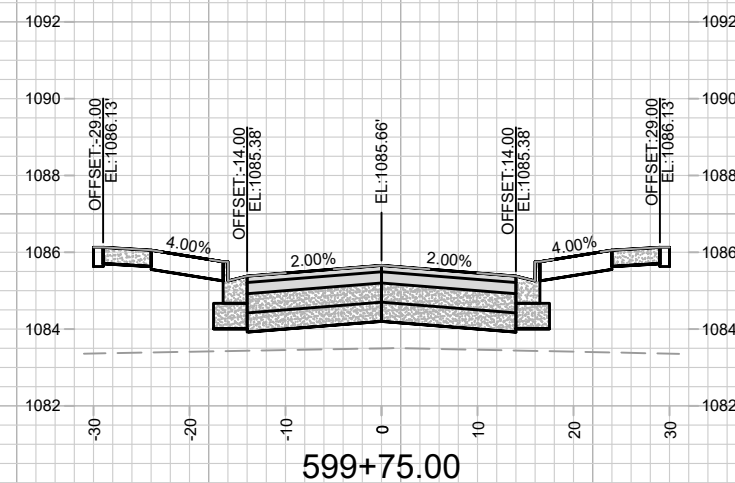
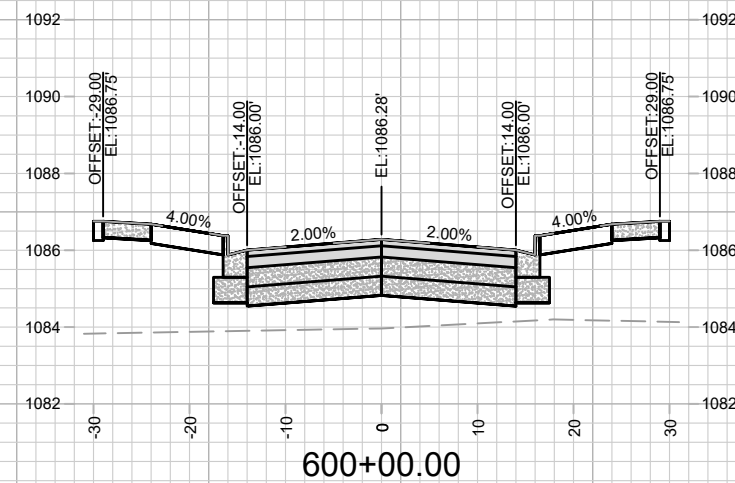
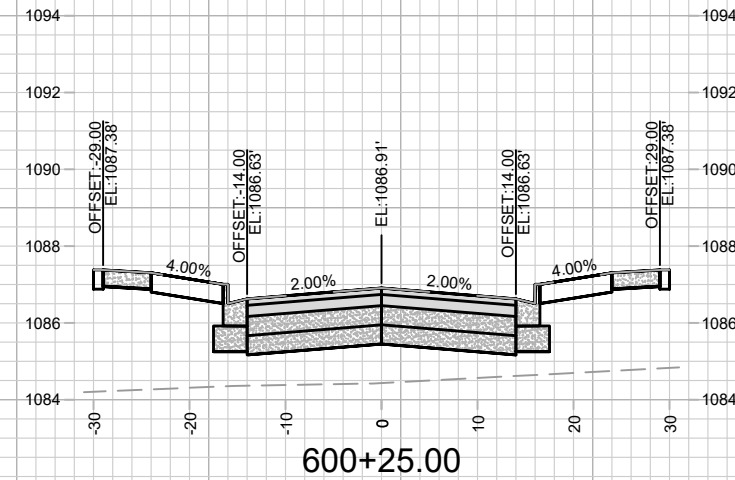
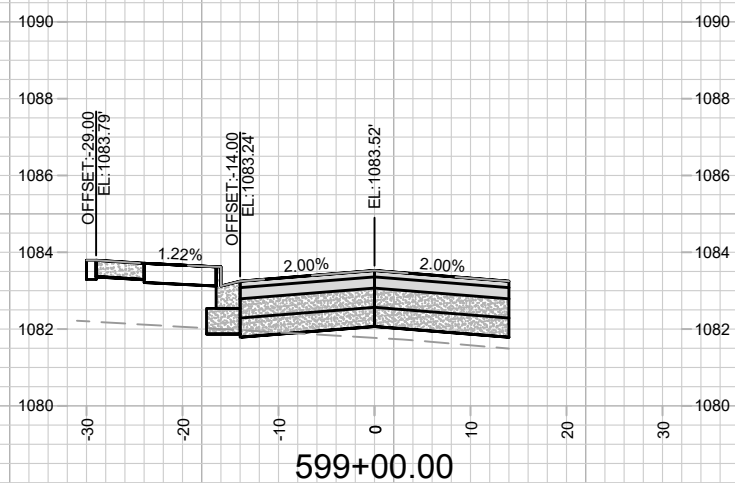
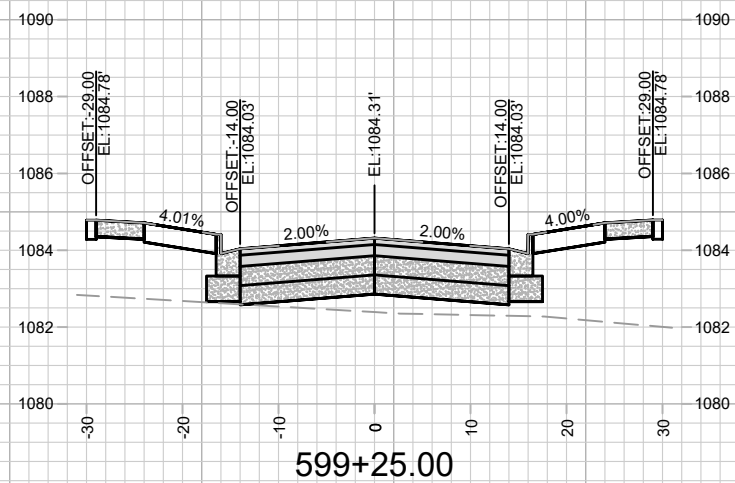
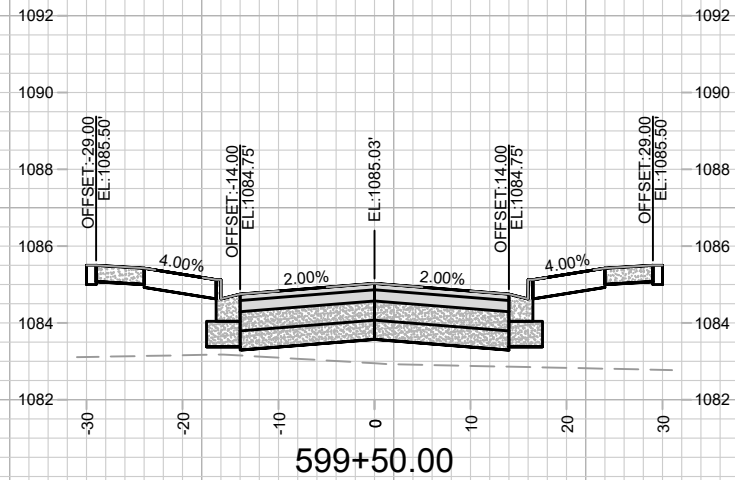
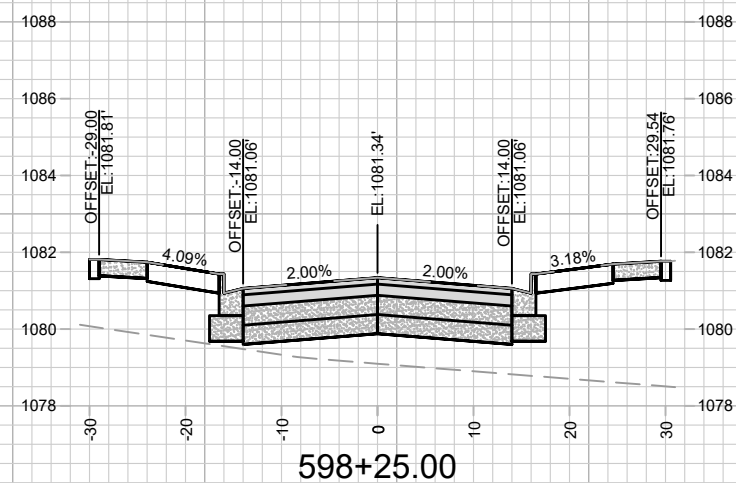
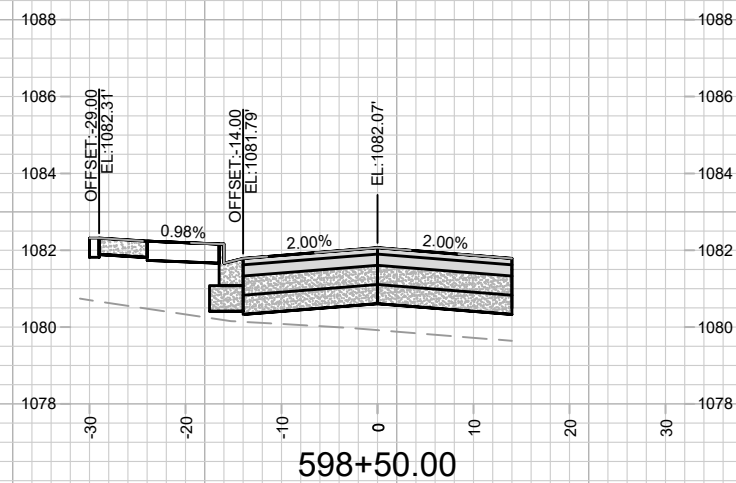
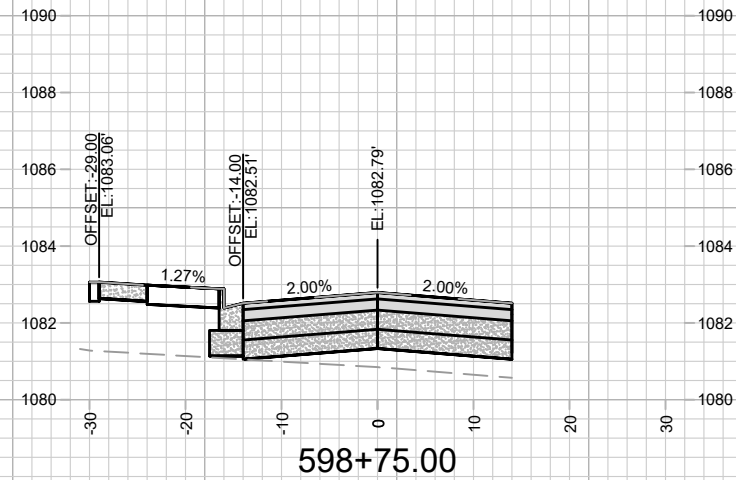


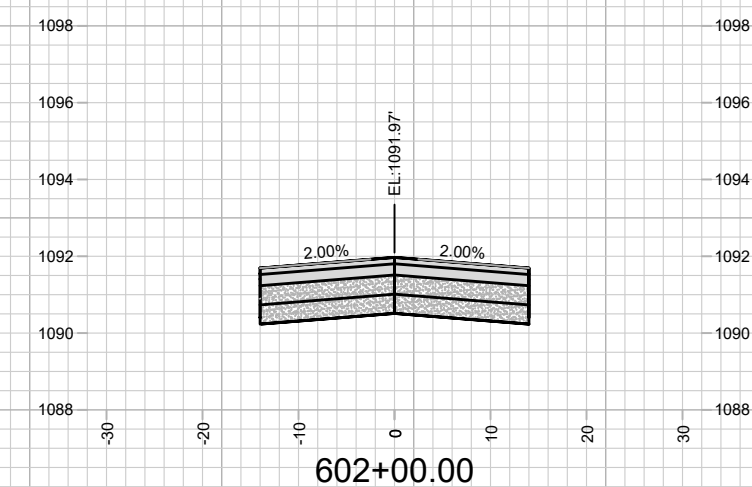
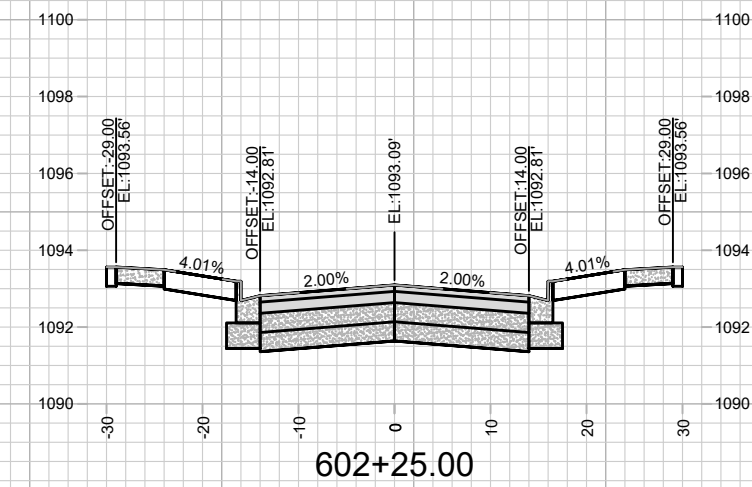
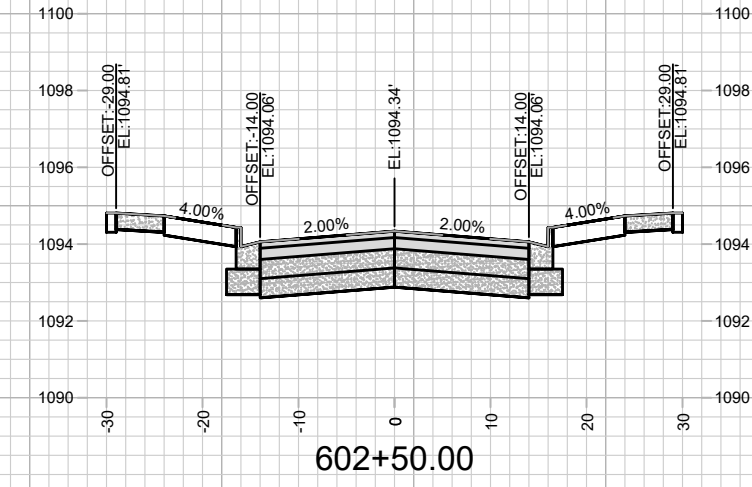
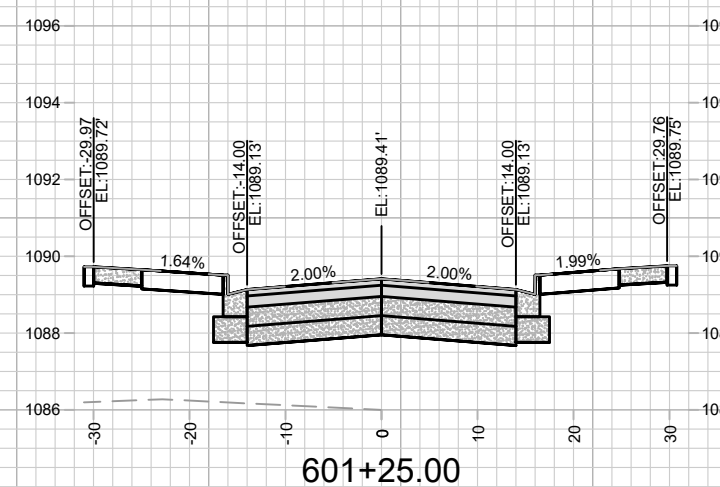
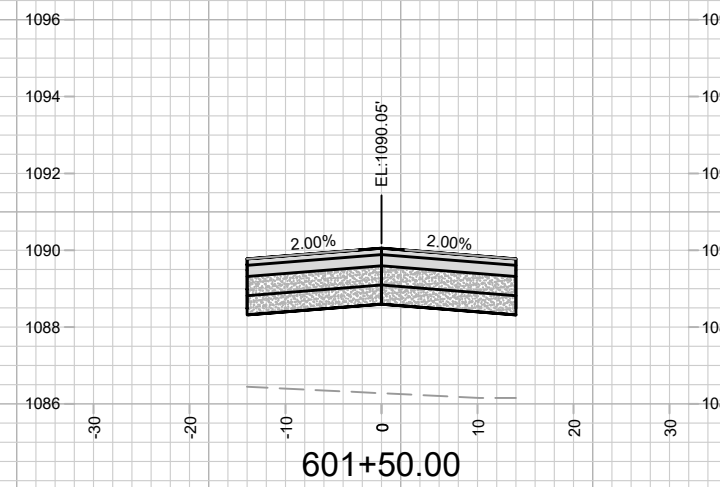
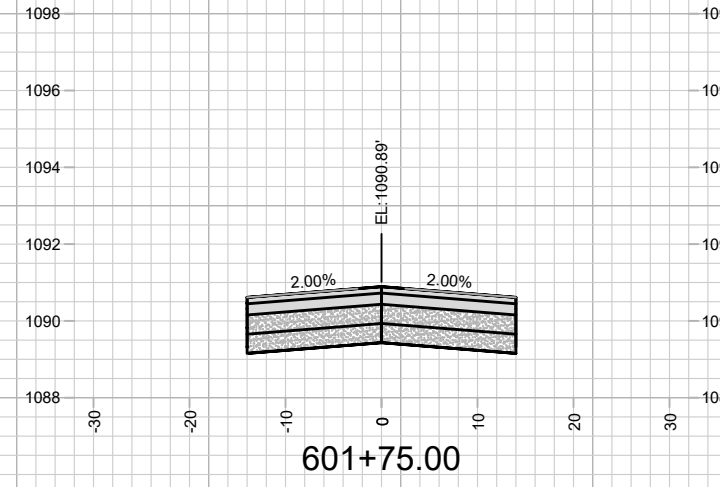
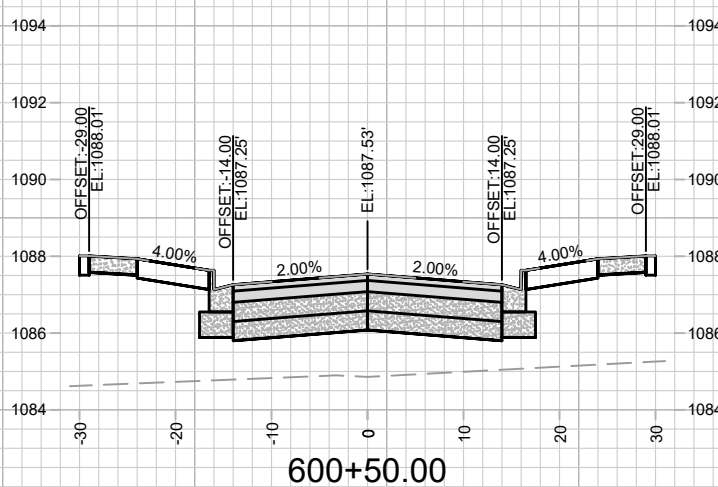
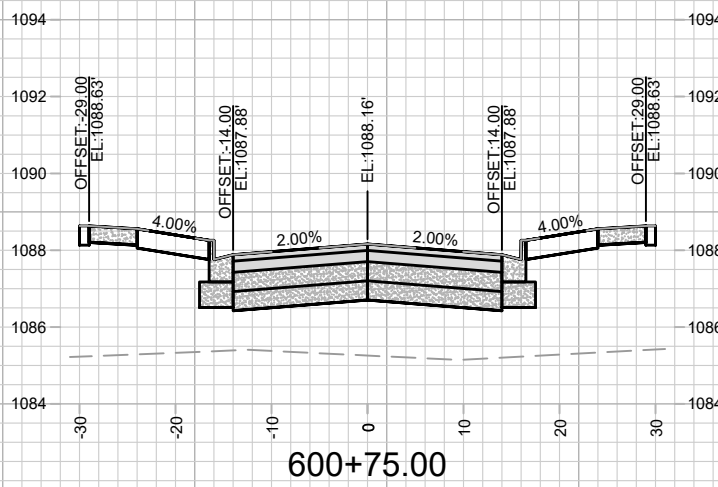
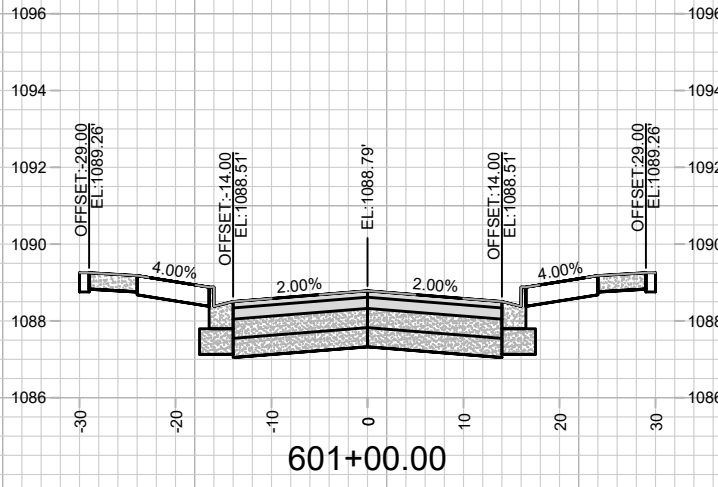


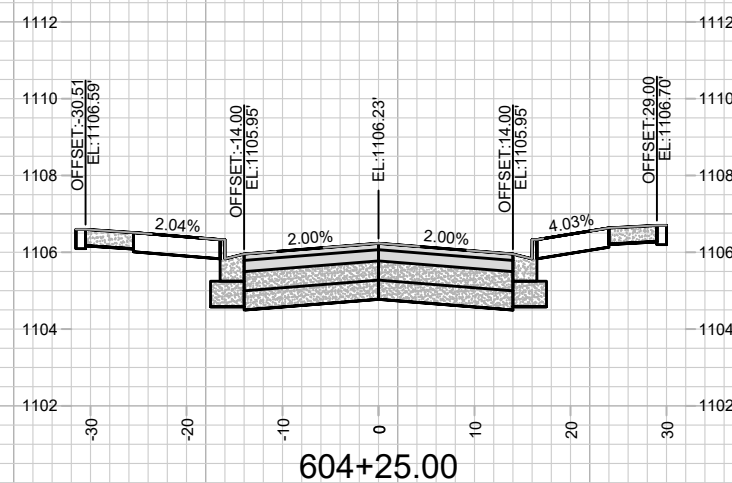
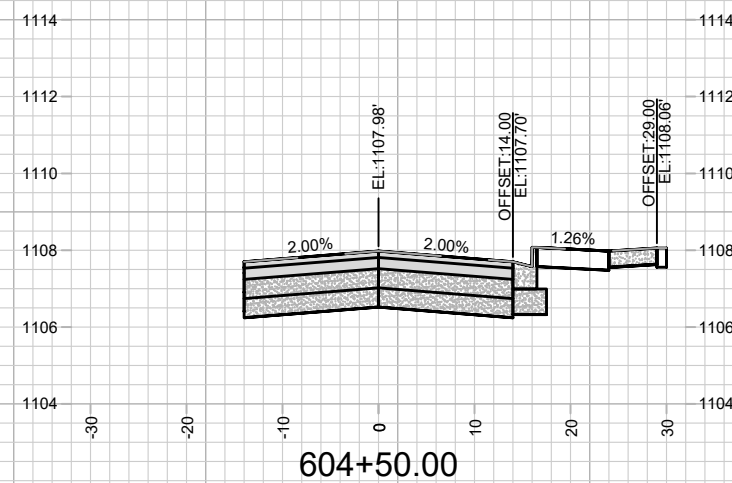
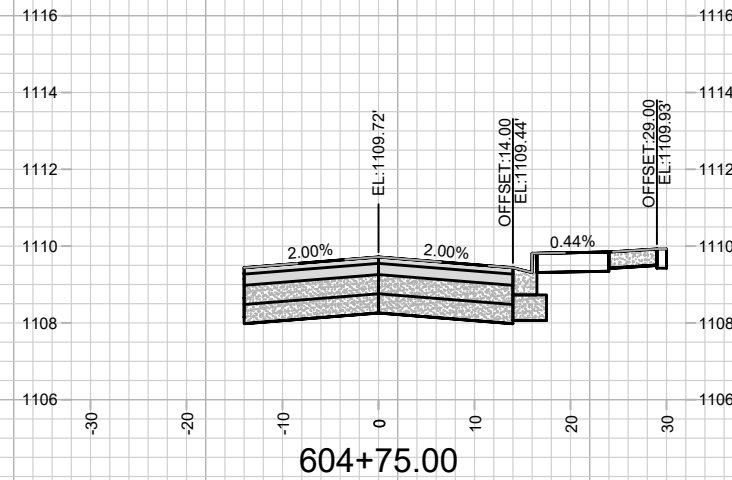
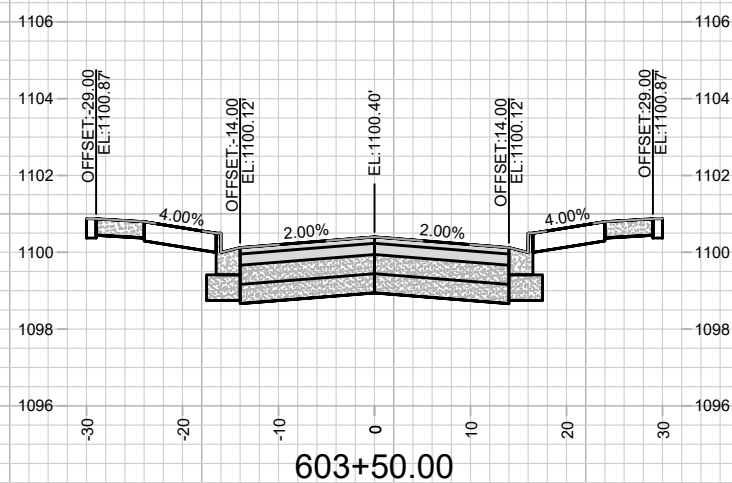
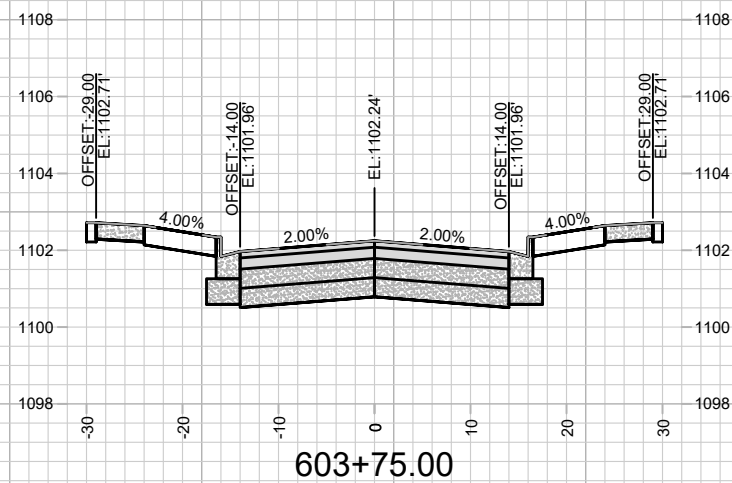
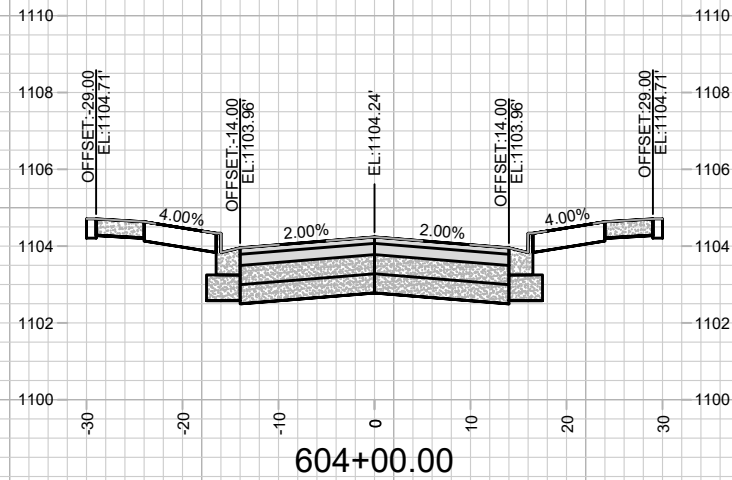
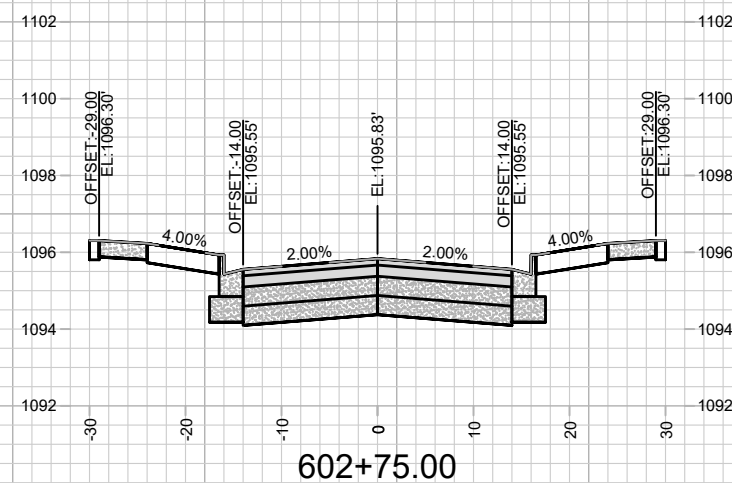
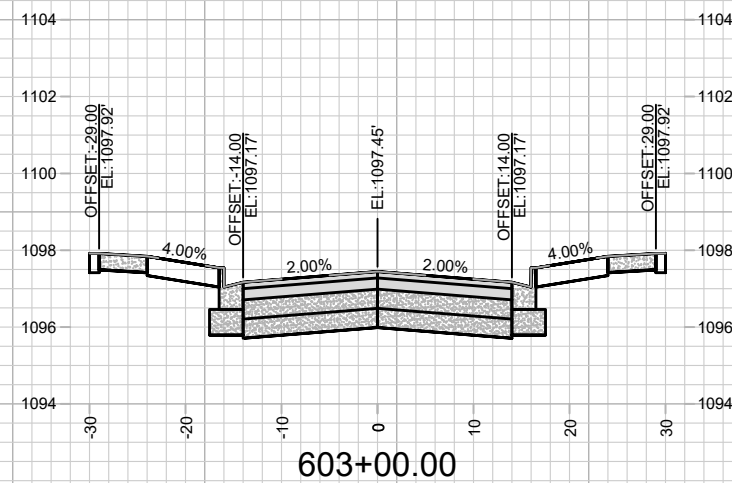
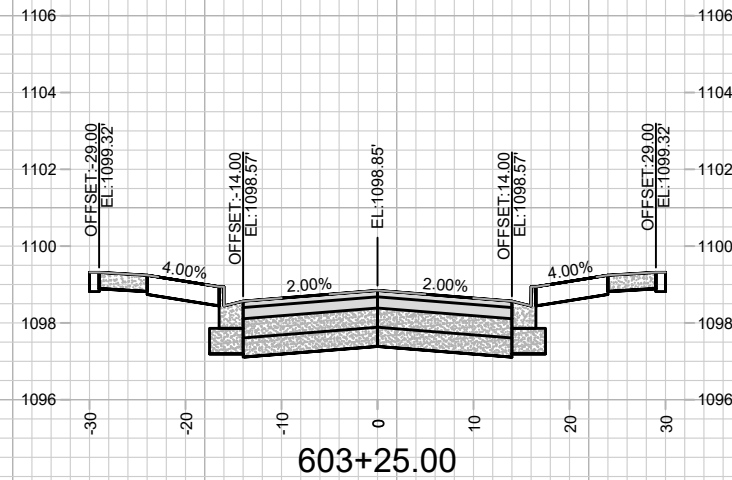
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	WESTWIND		MADISON, WI						
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				Designed By: ---		Date: 4/25/2023 6:01 AM		Scale: #####	
				13910				X-2	











CROSS SECTIONS - CLEAR POND WAY

WESTWIND



13910

X-7

13910

MADISON, WI

CONTRACT NO: 9126

MARK

REVISION

DATE

BY

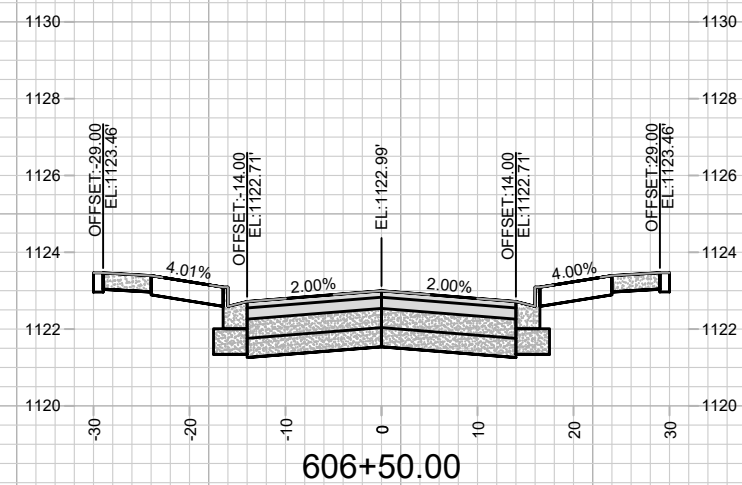
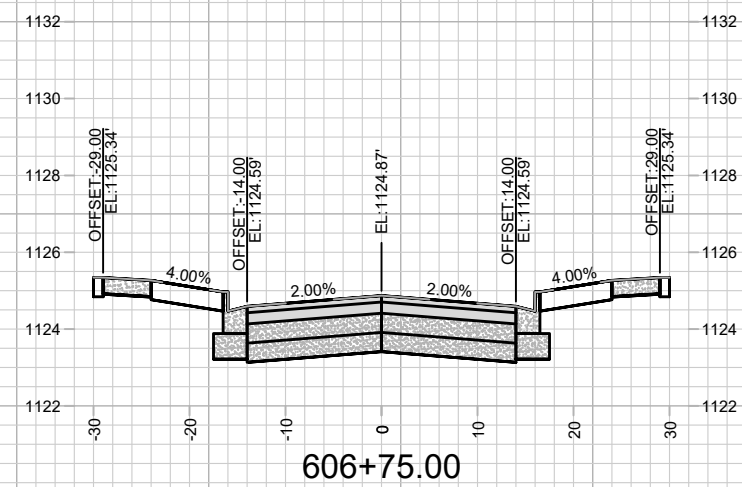
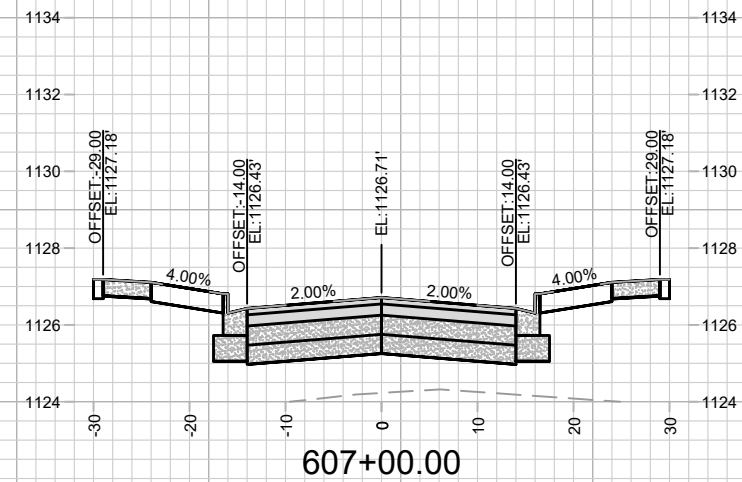
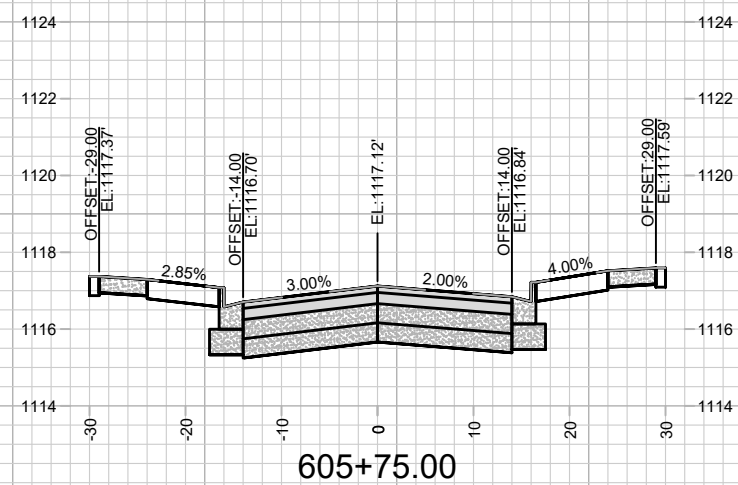
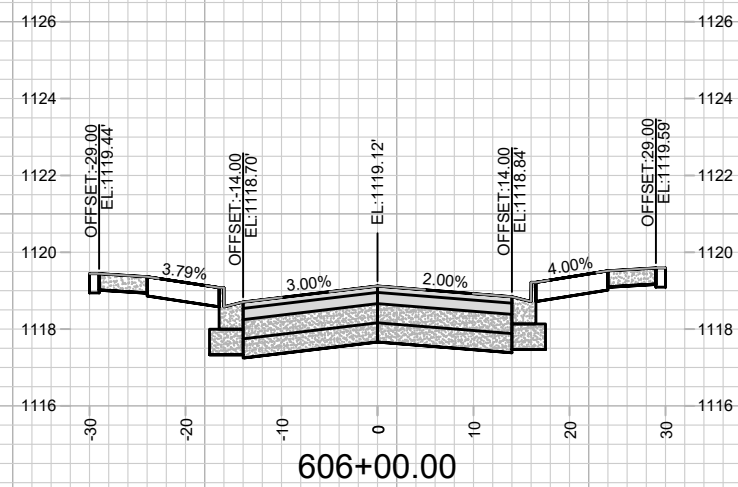
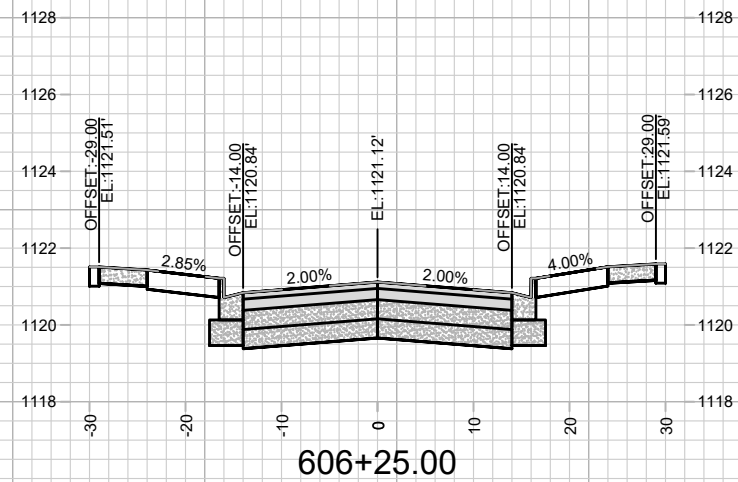
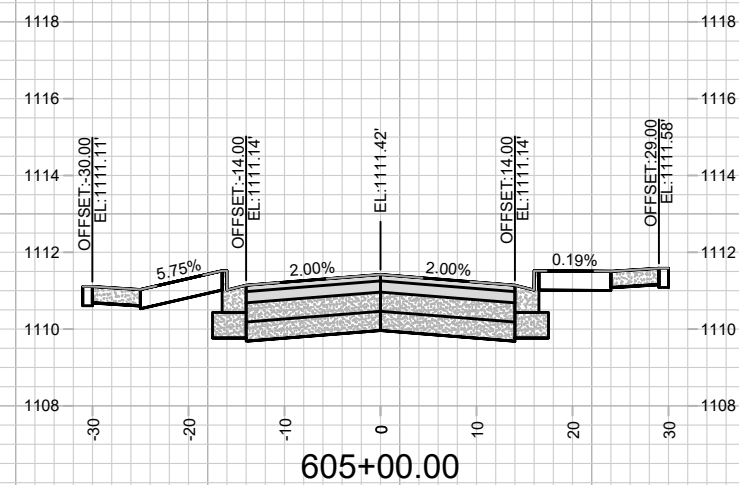
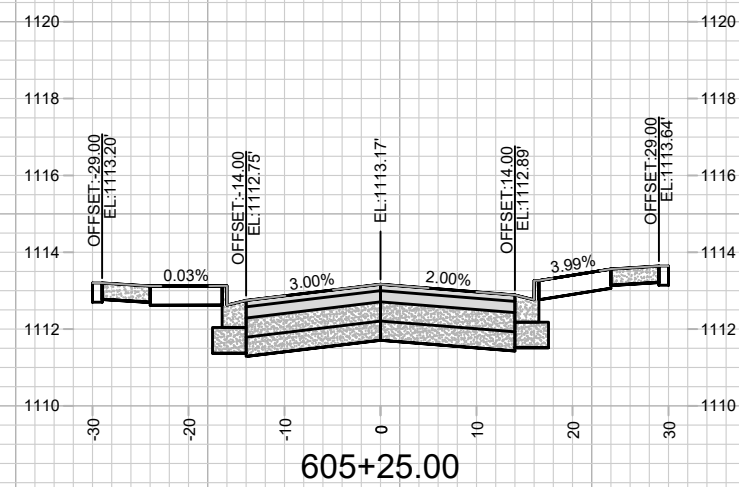
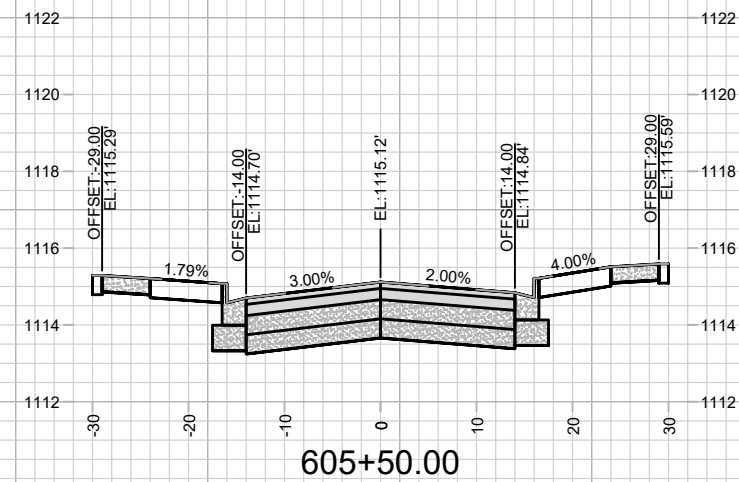
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Date: 4/25/2023 6:02 AM

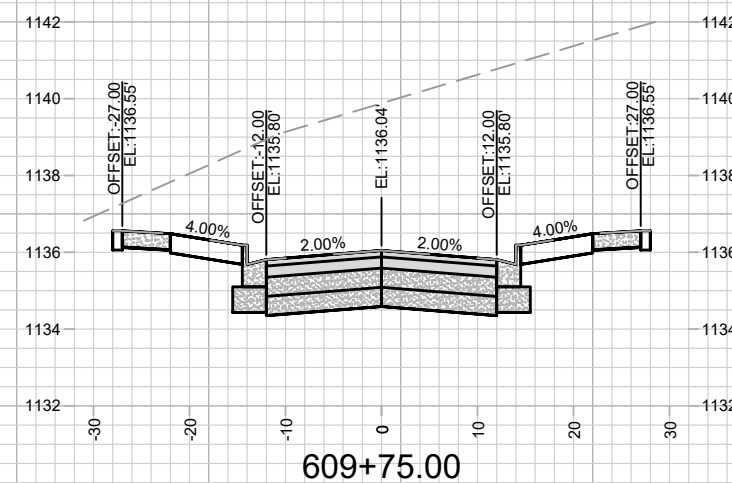
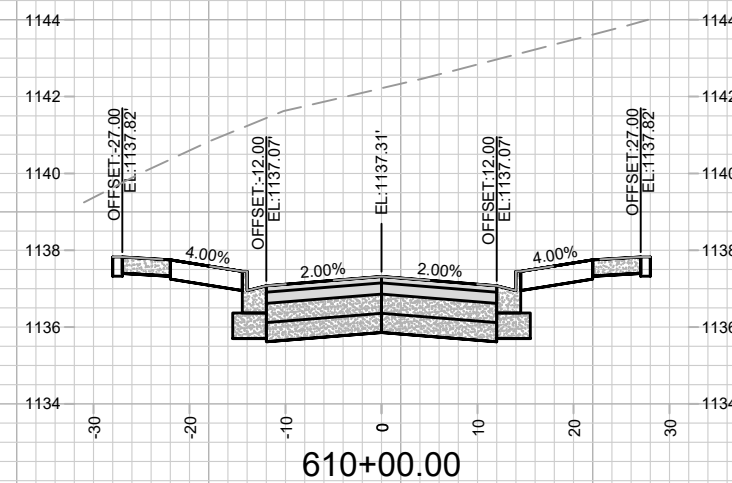
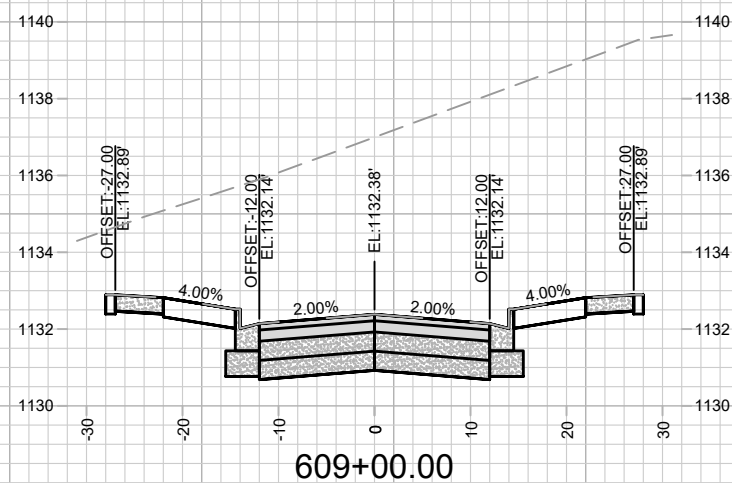
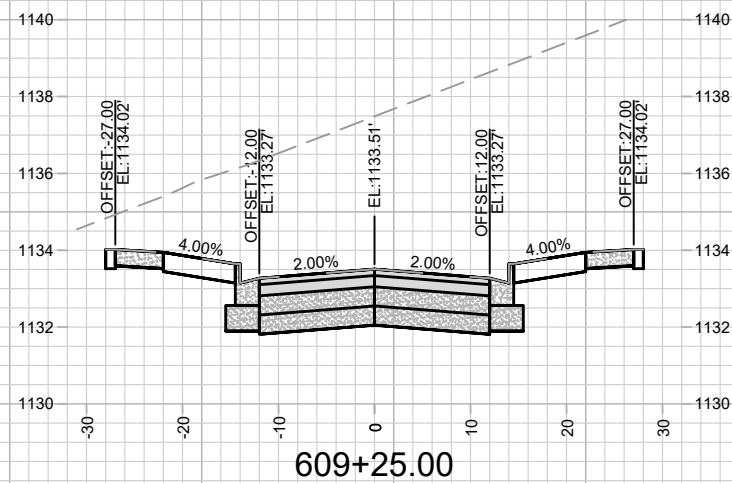
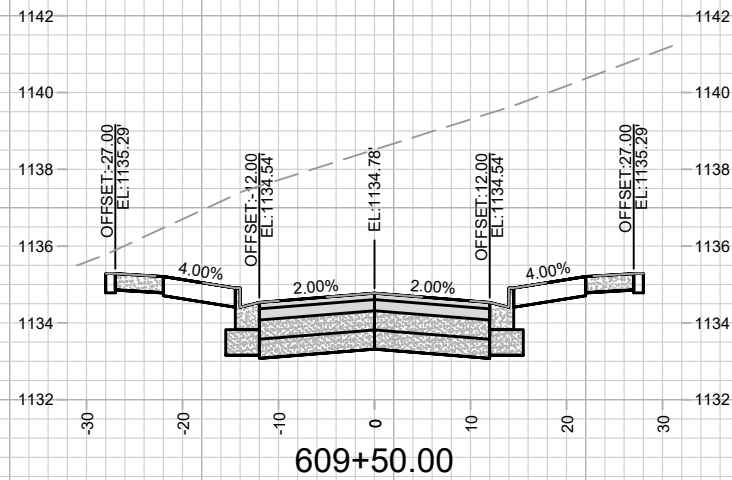
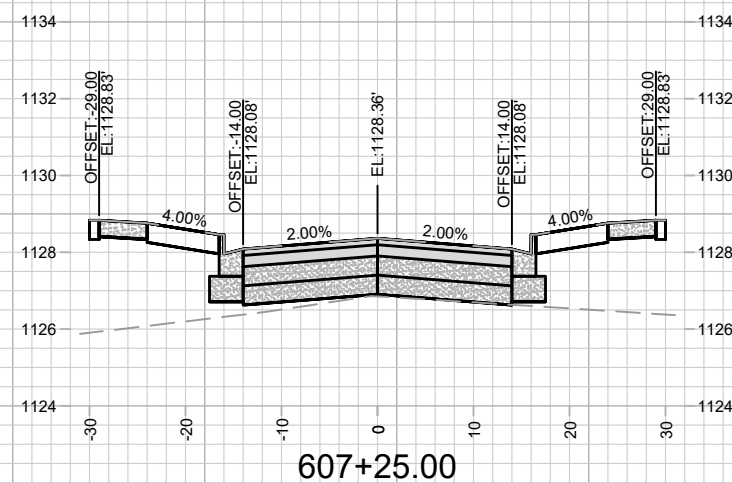
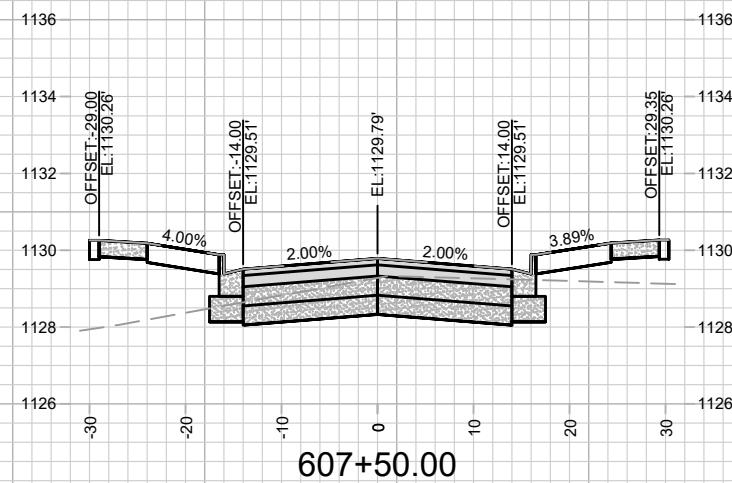
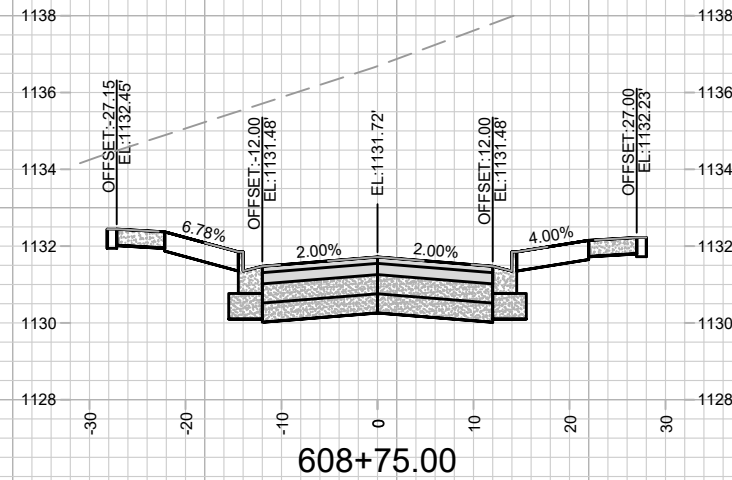
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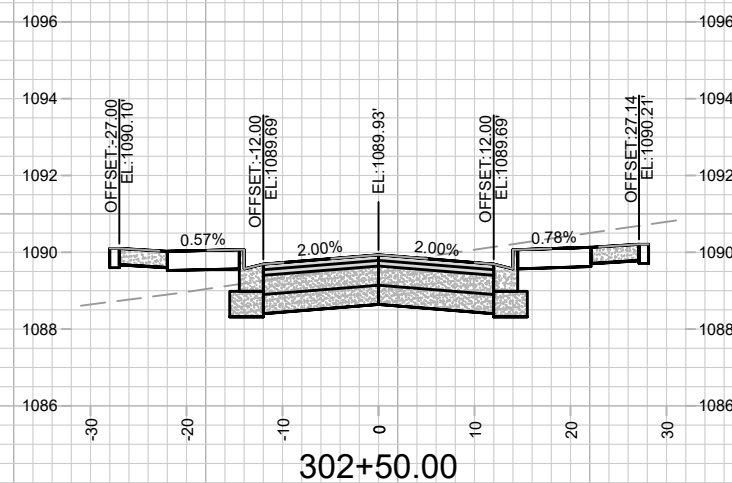
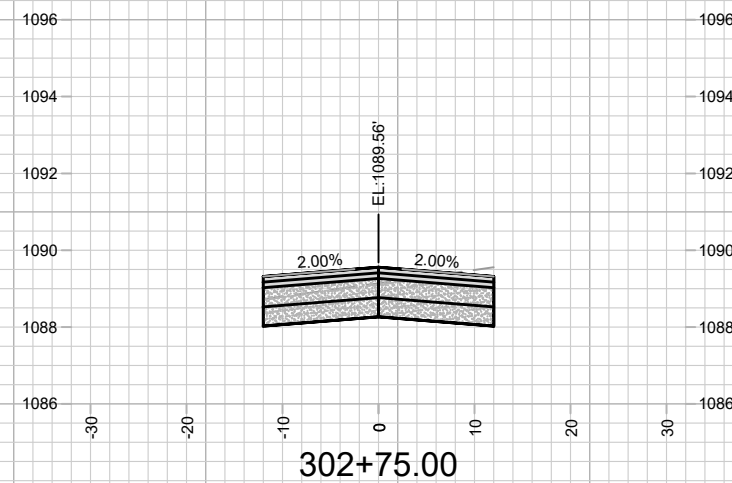
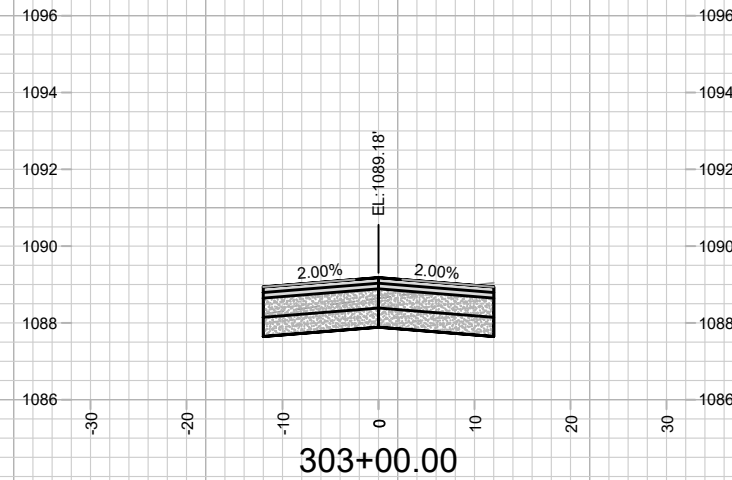
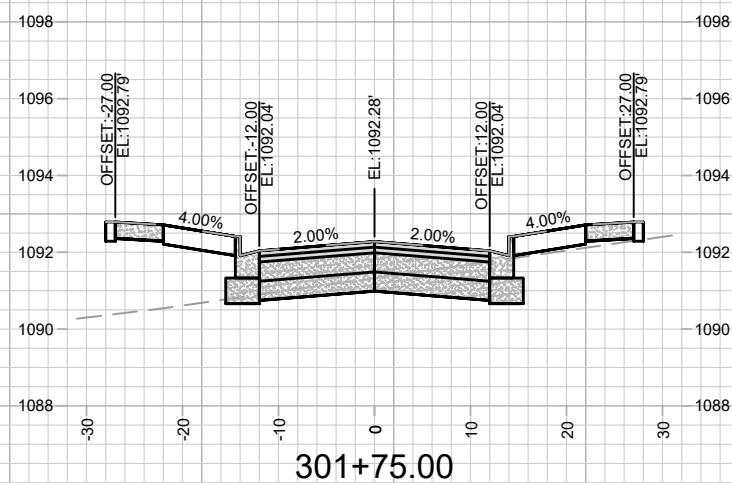
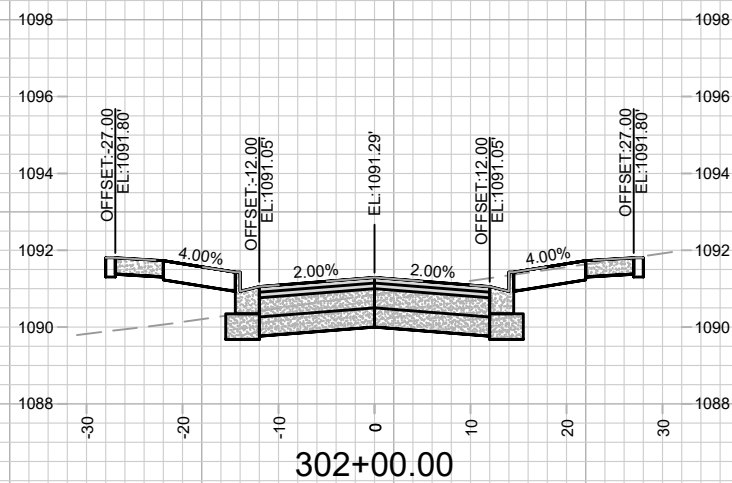
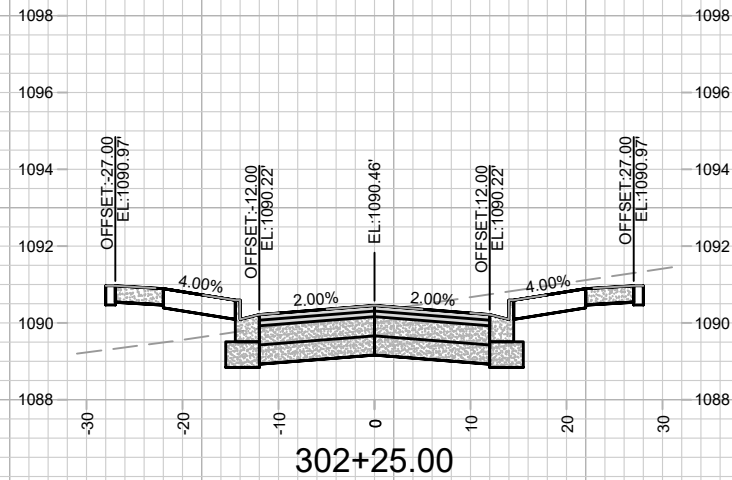
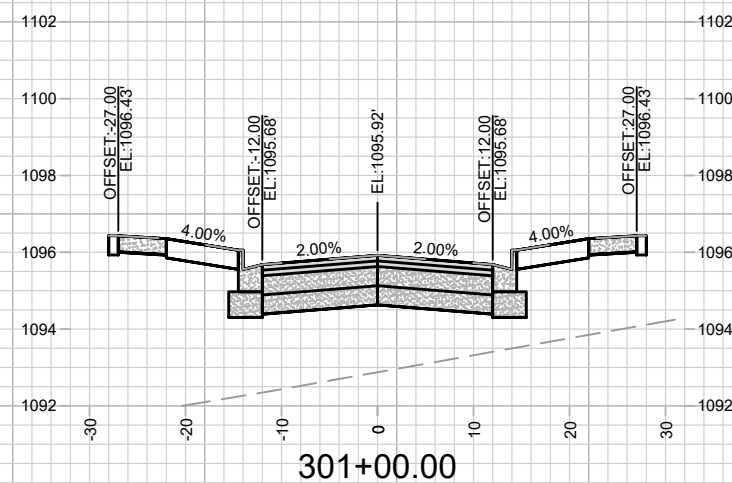
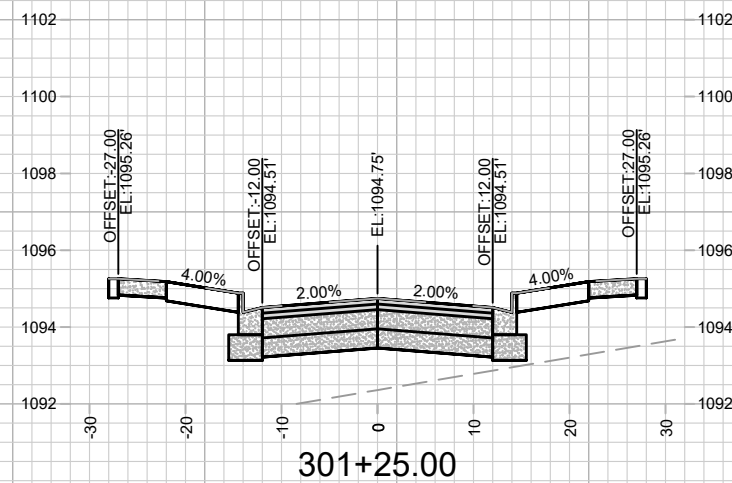
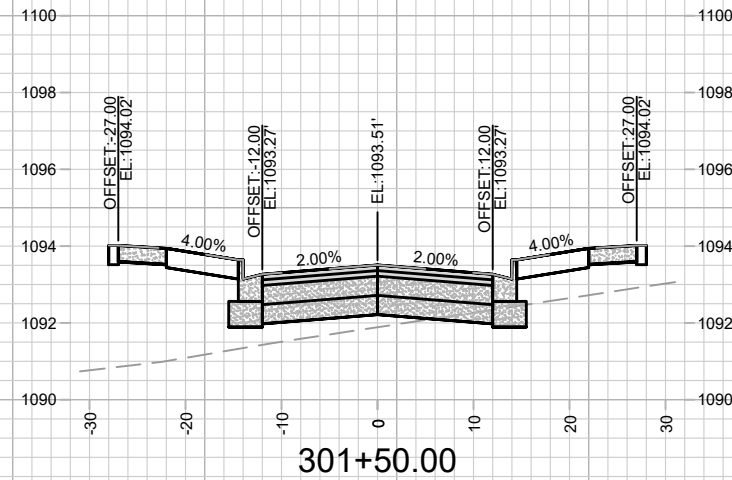
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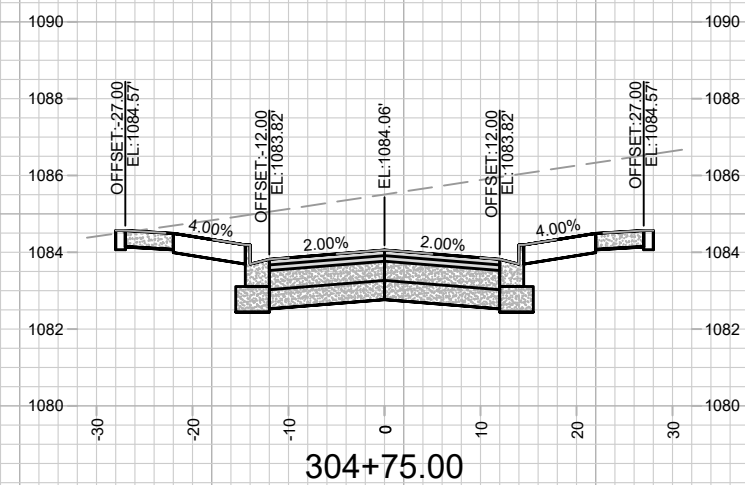
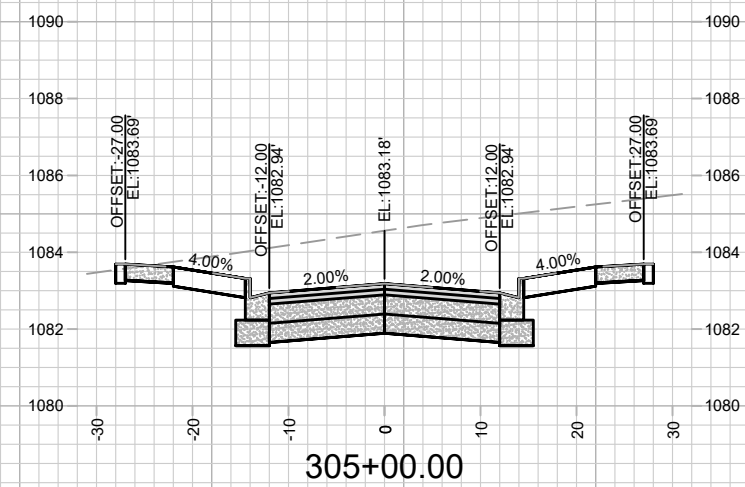
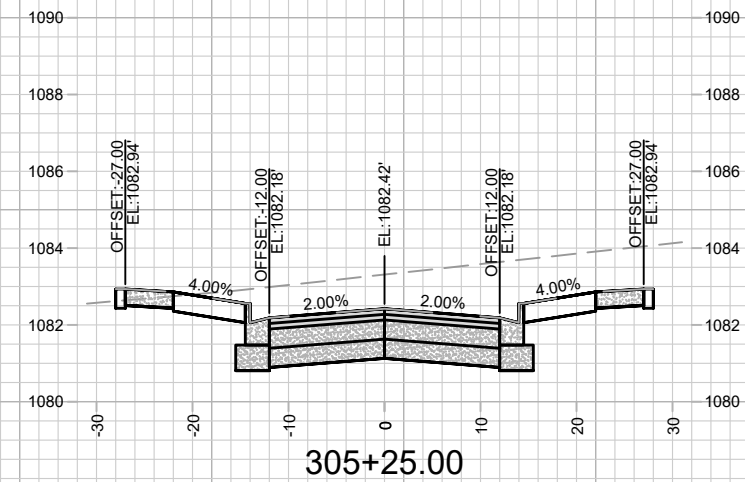
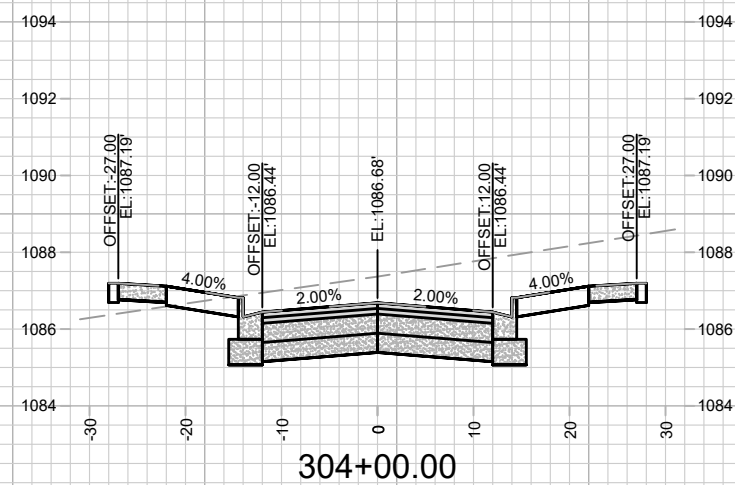
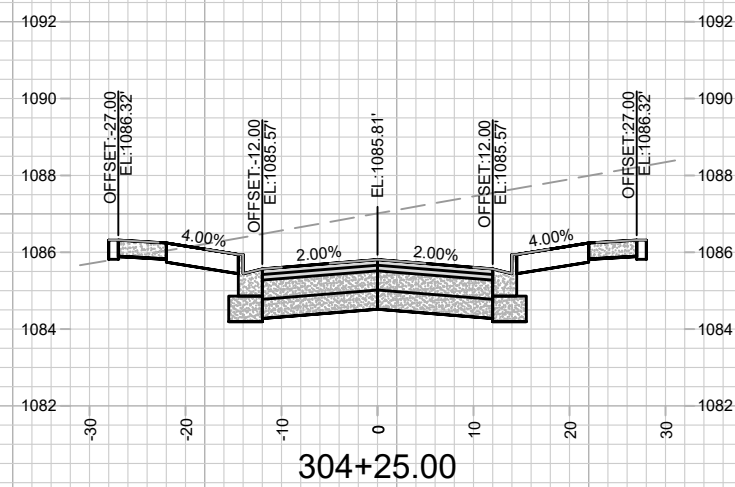
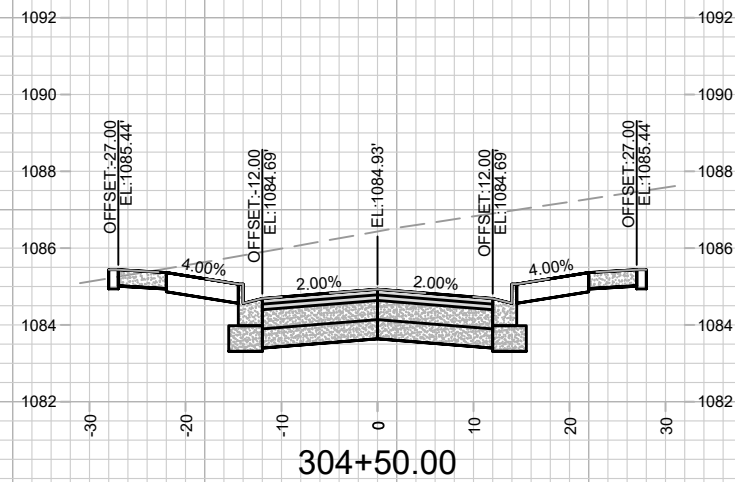
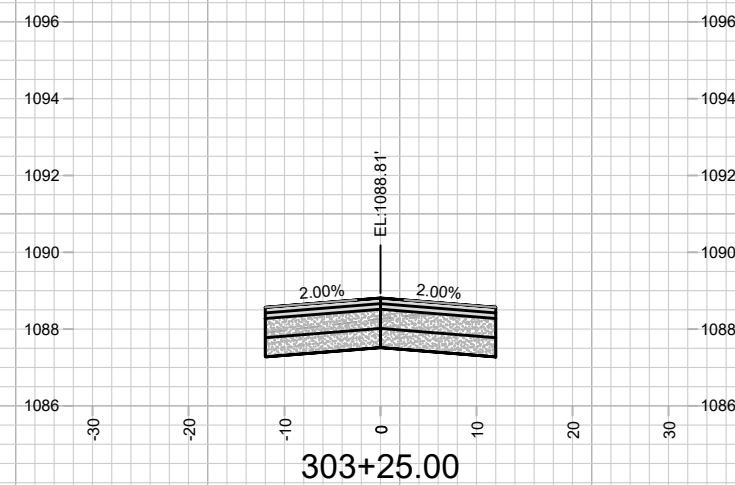
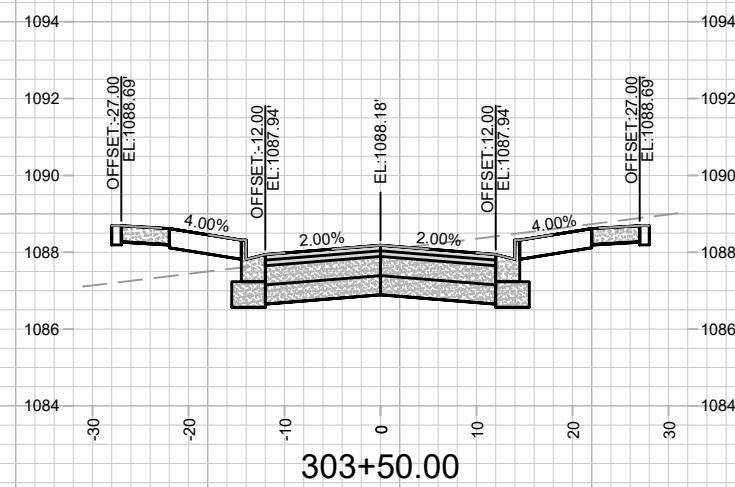
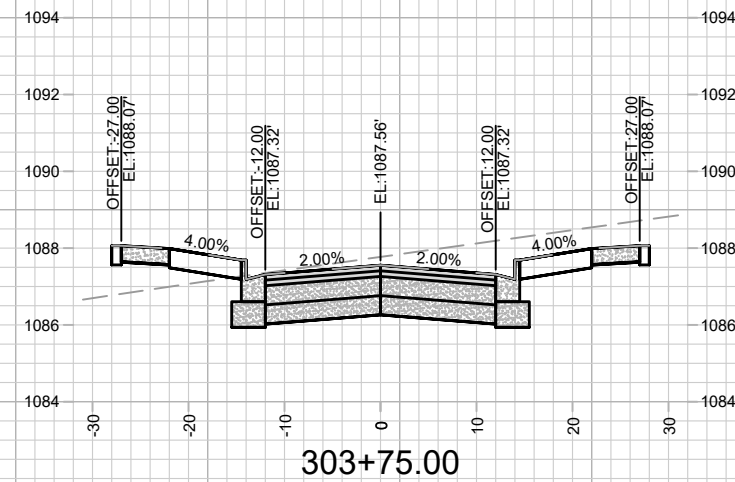
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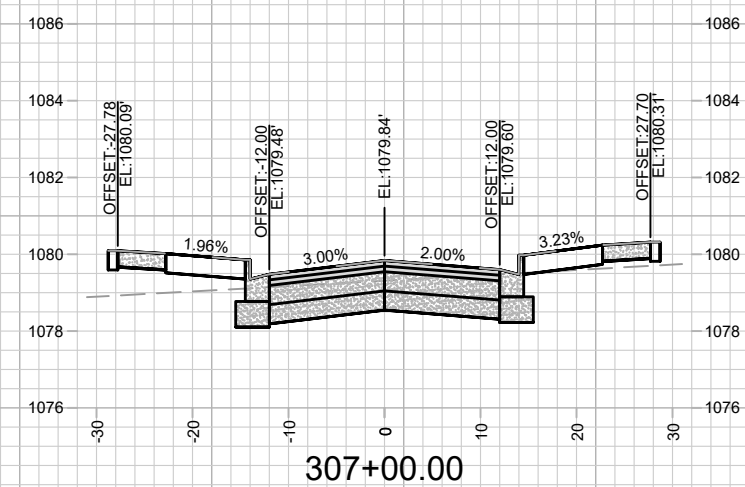
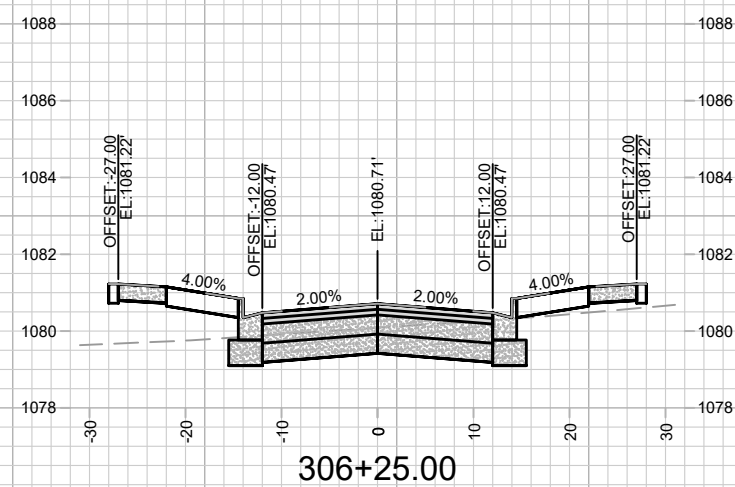
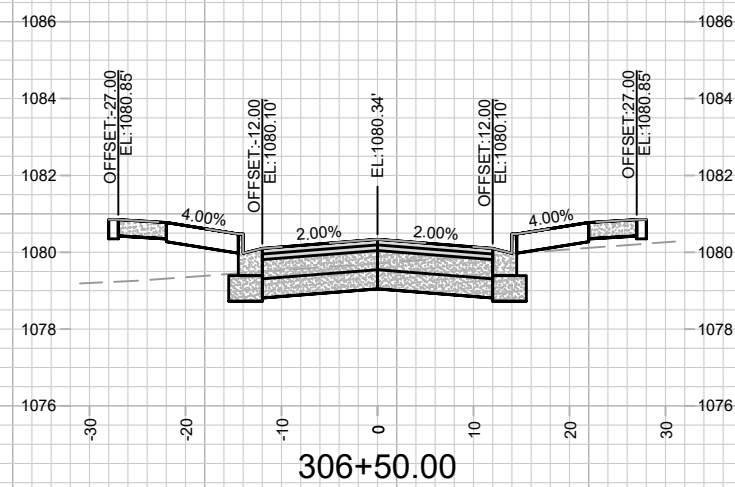
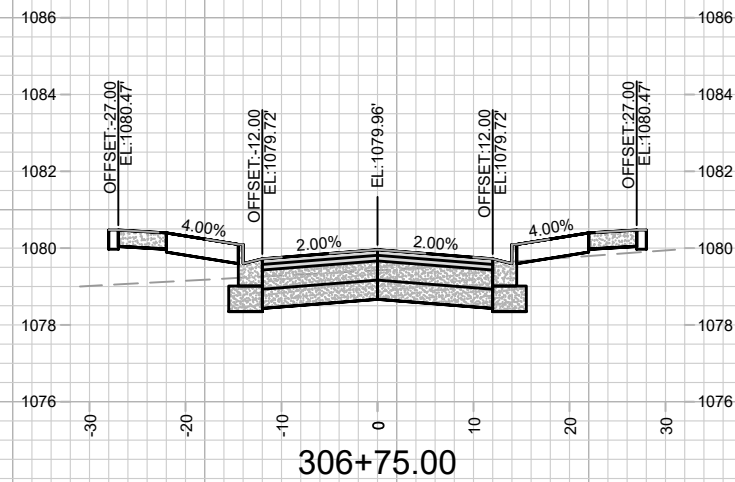
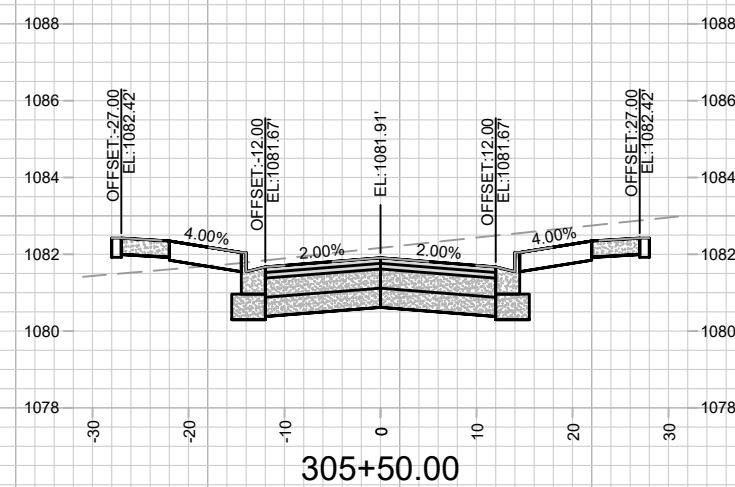
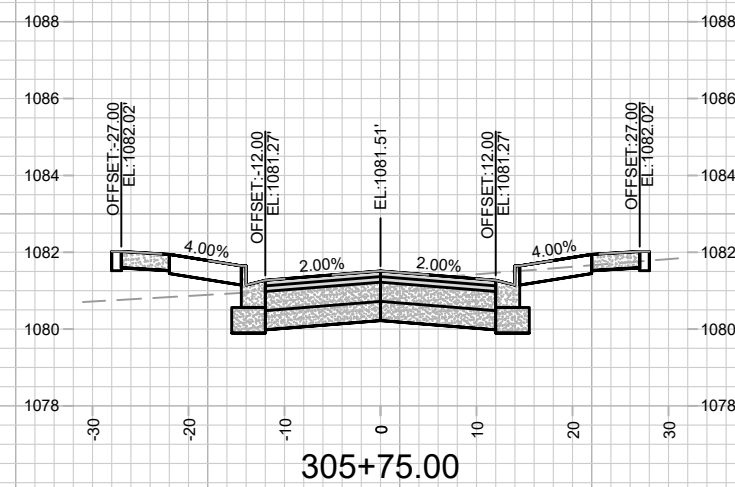
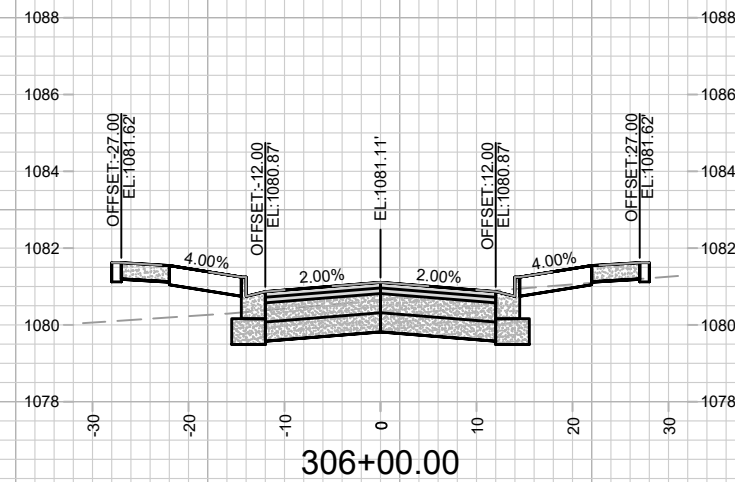
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MADISON, WI
CONTRACT NO: 9126

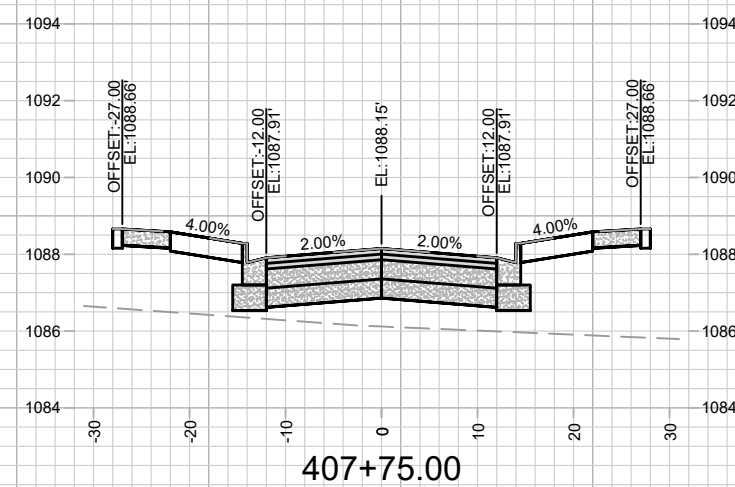
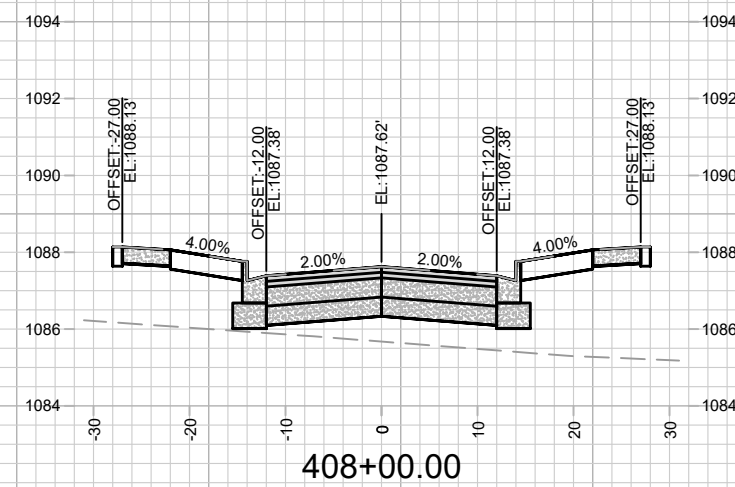
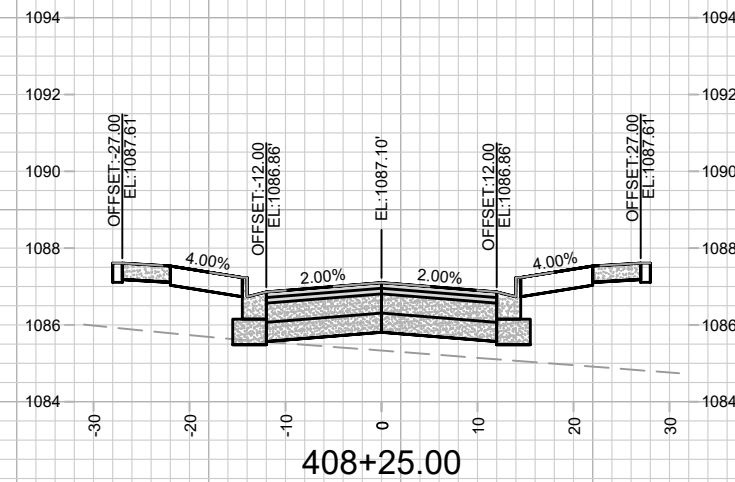
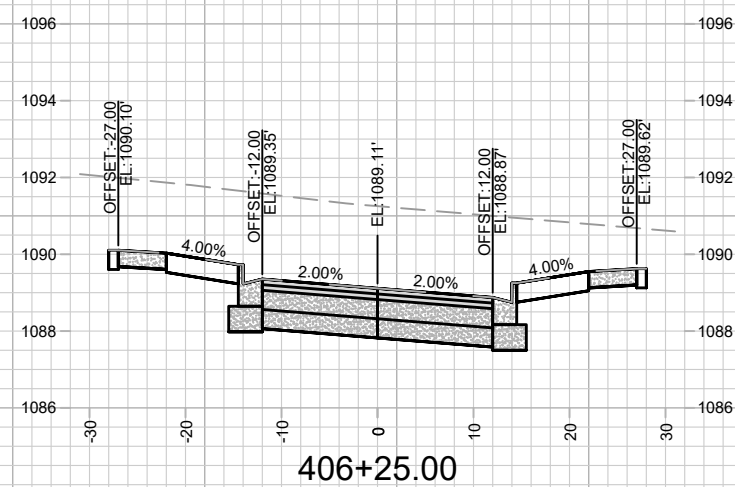
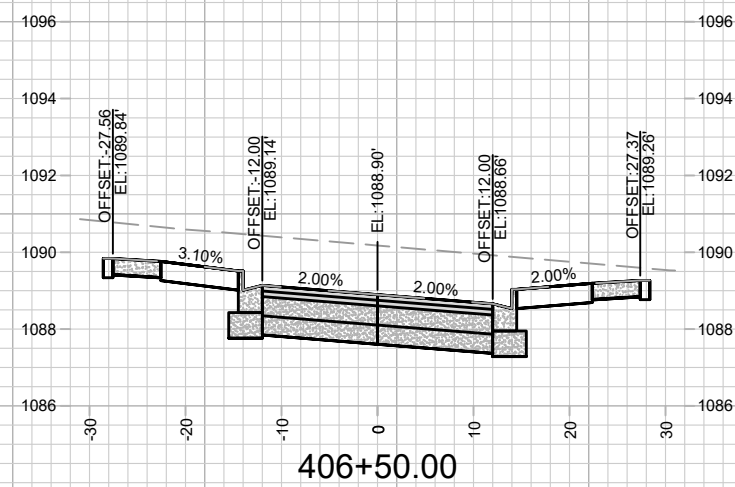
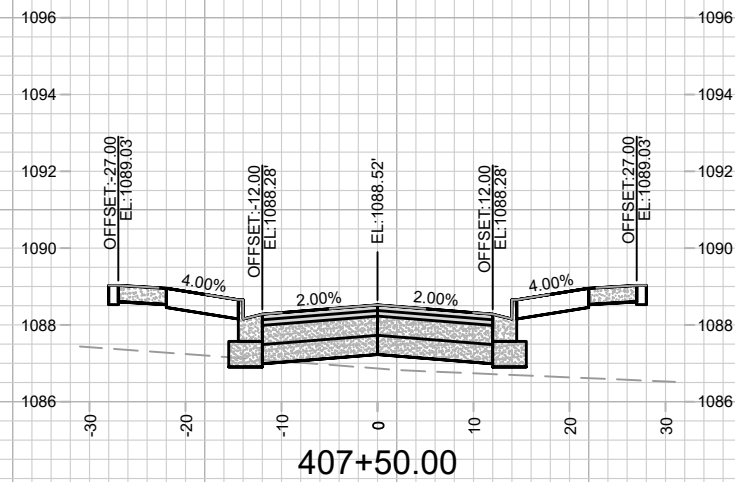
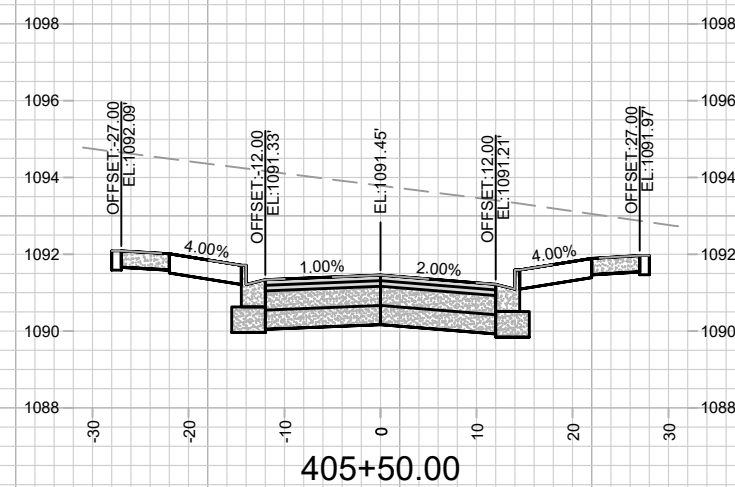
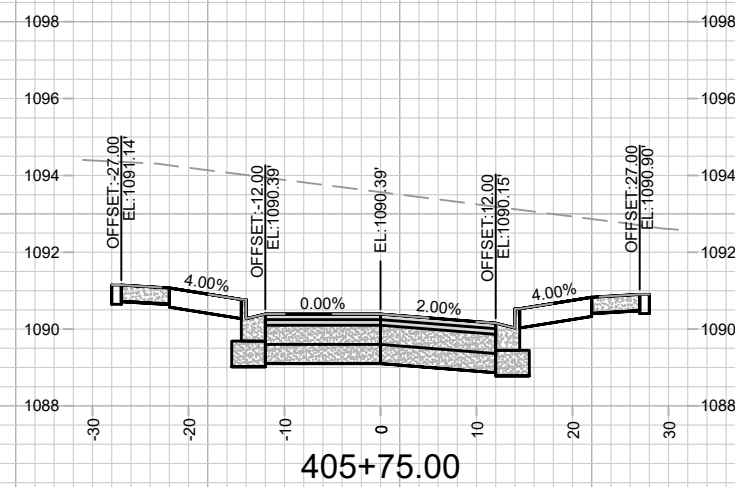
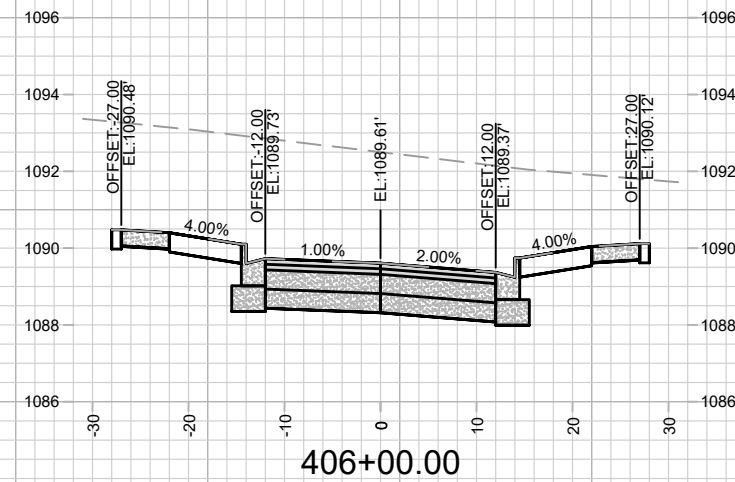
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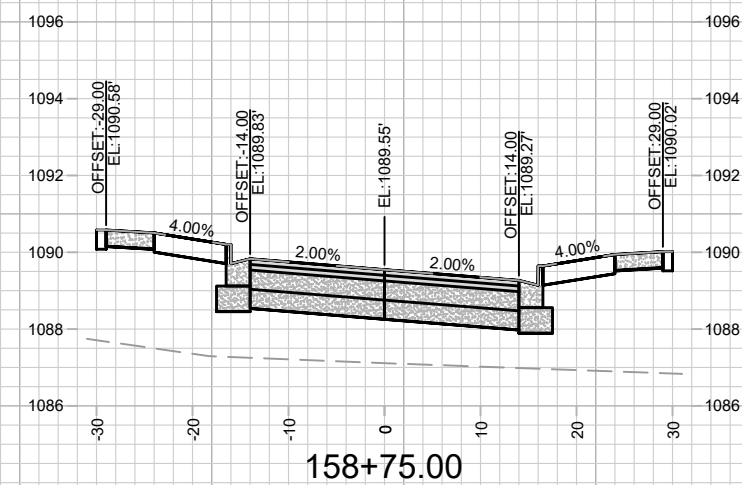
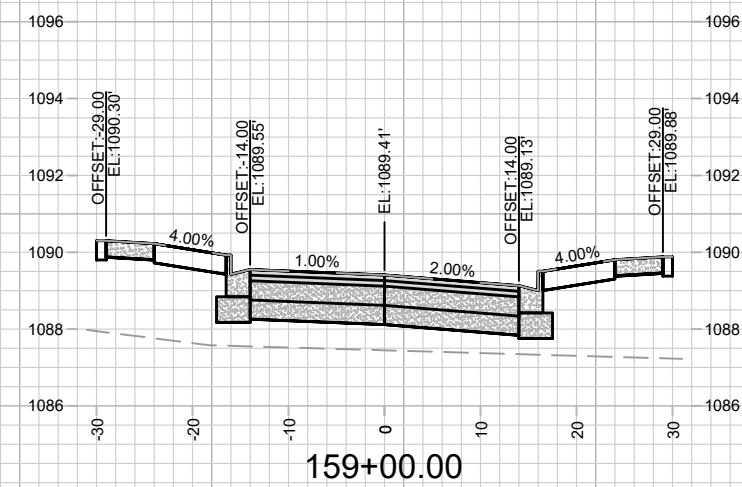
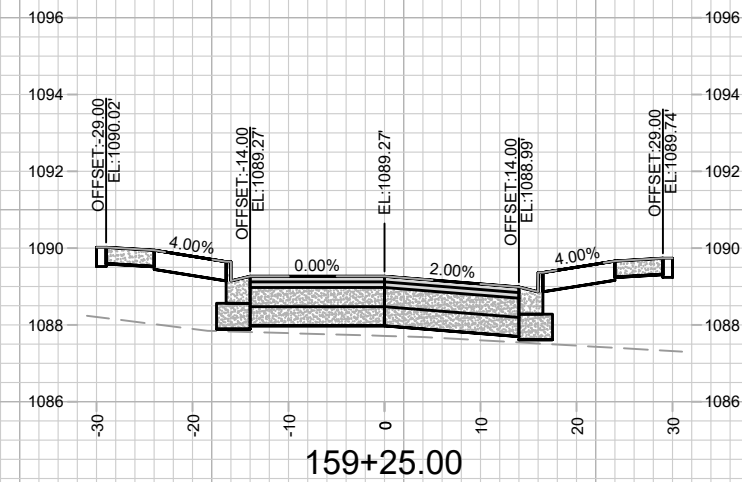
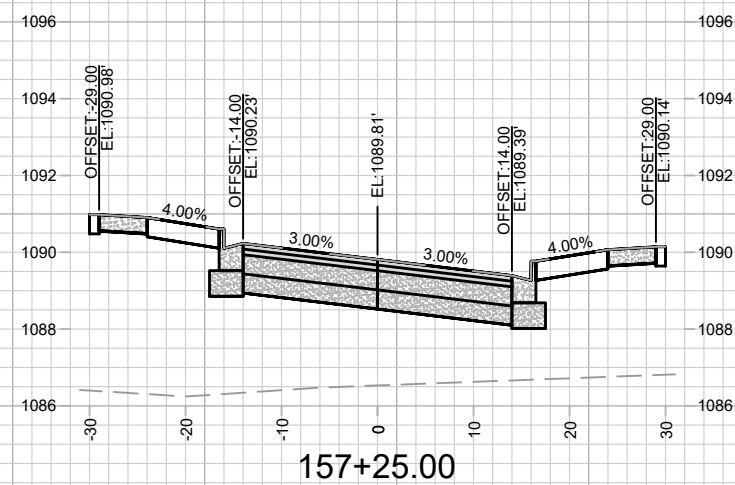
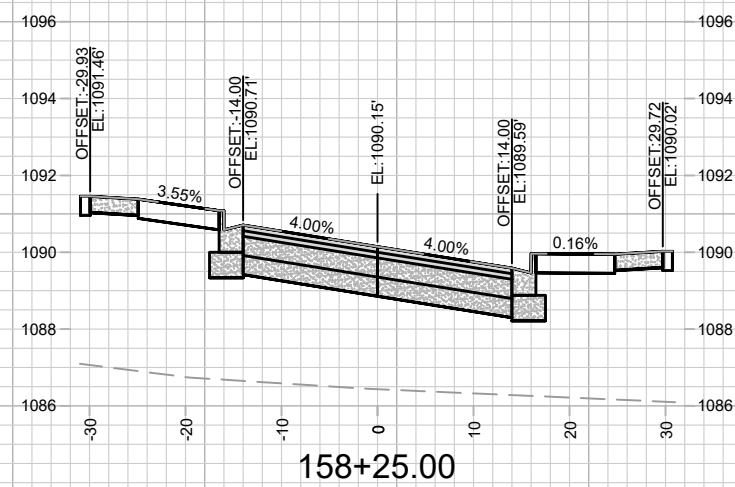
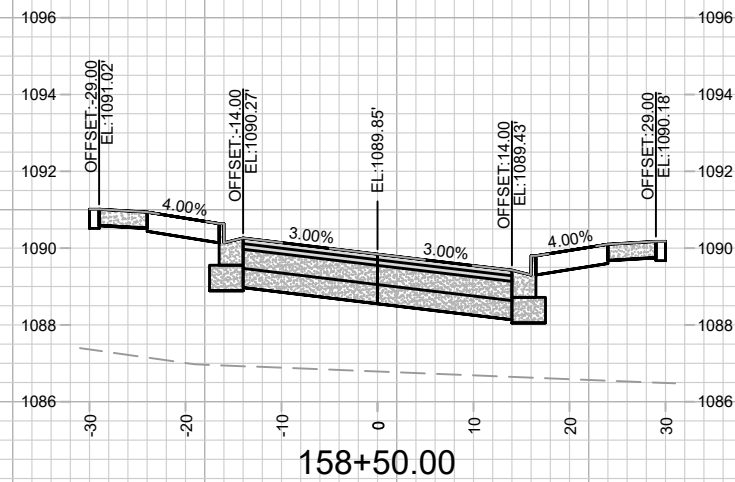
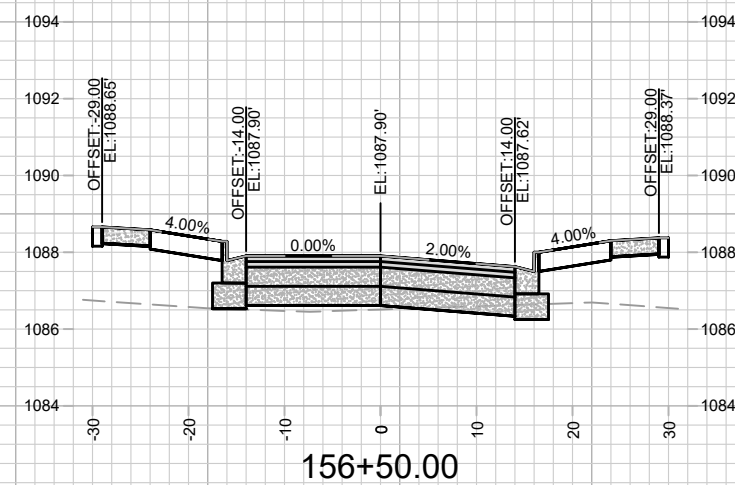
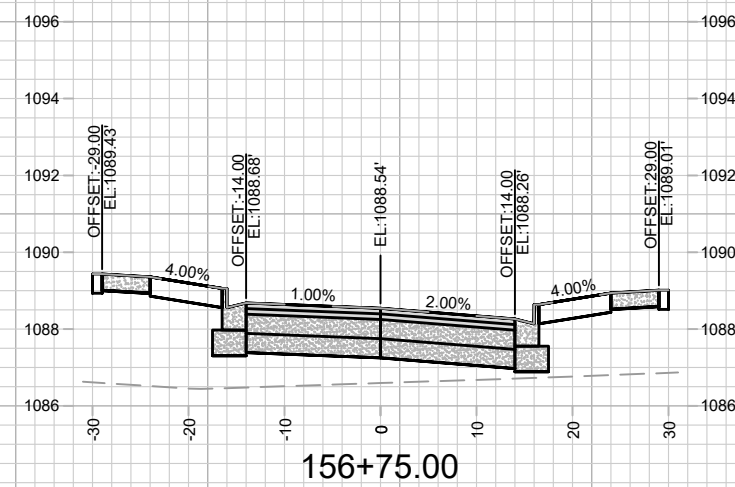
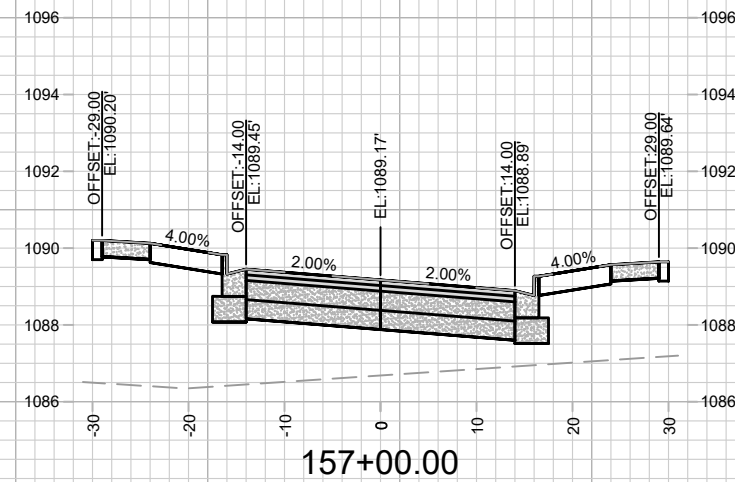


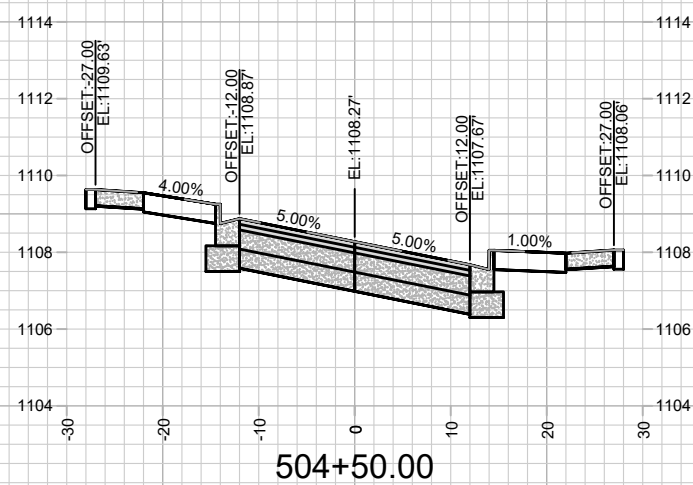
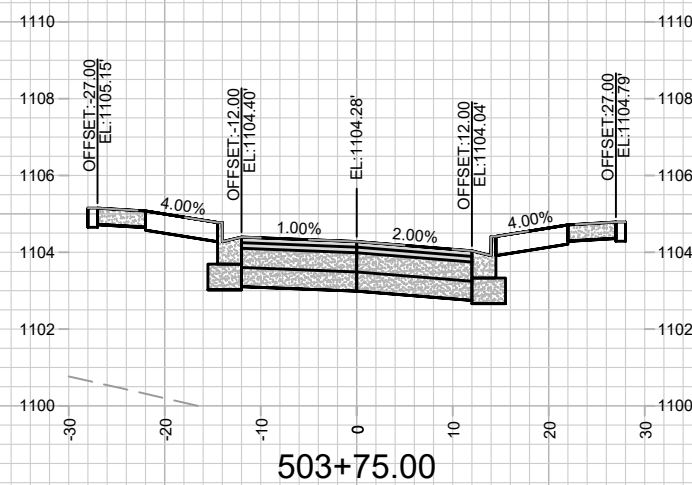
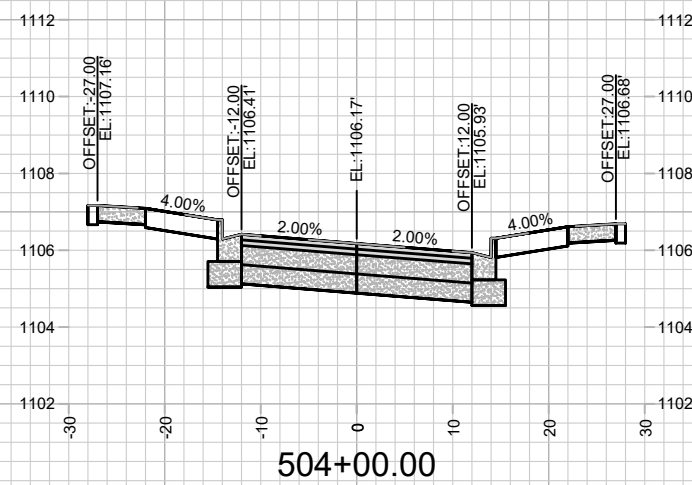
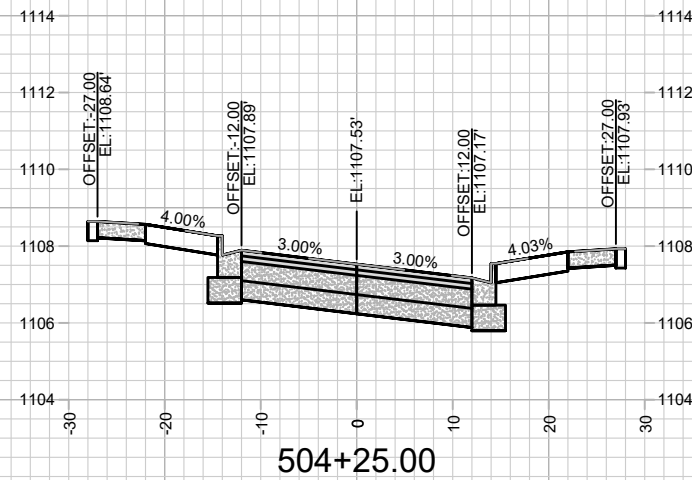
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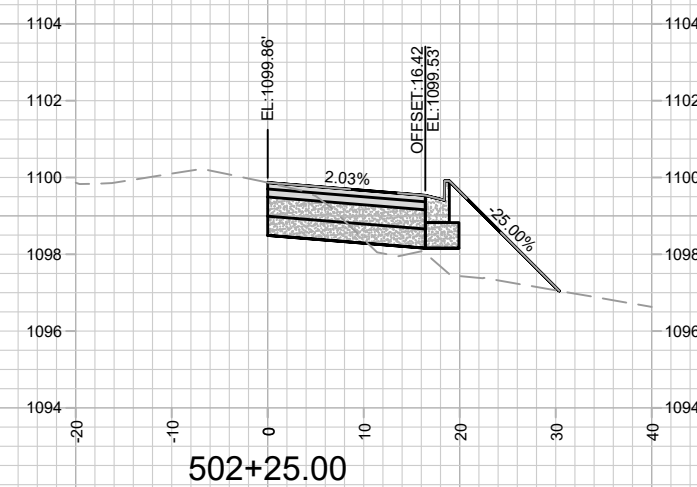
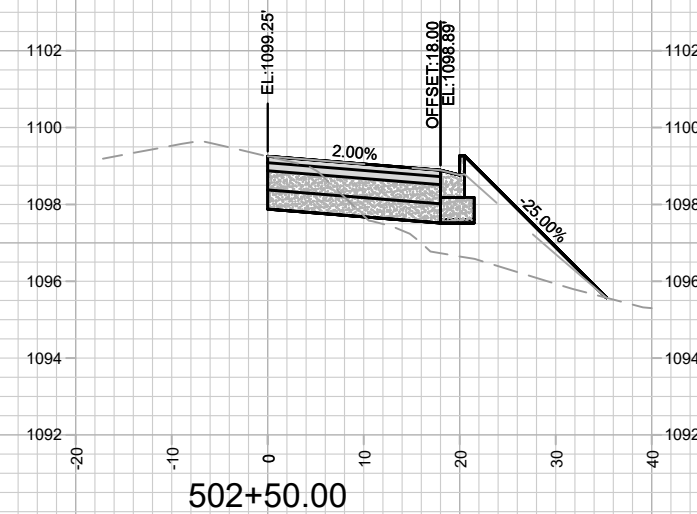
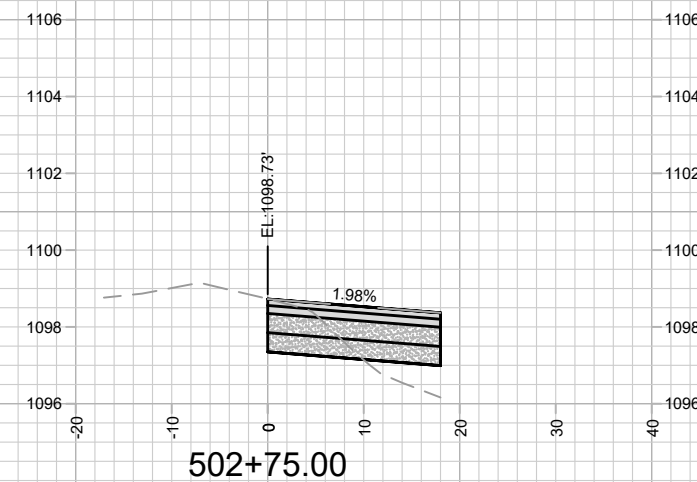
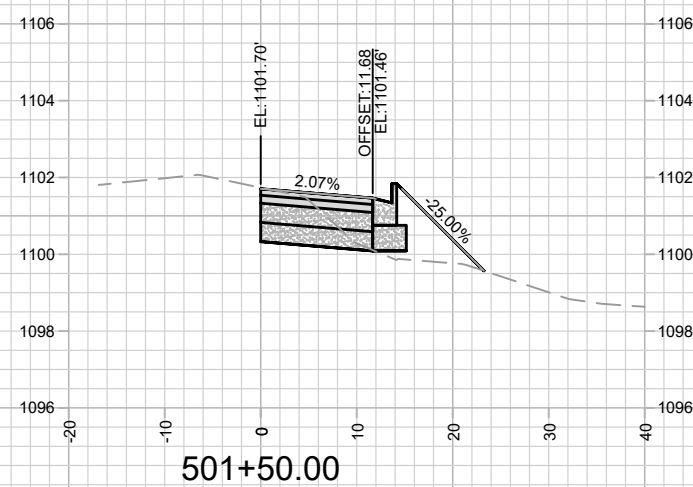
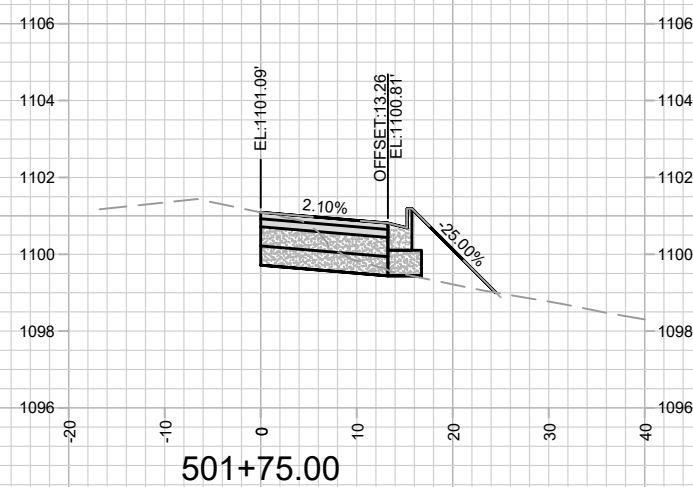
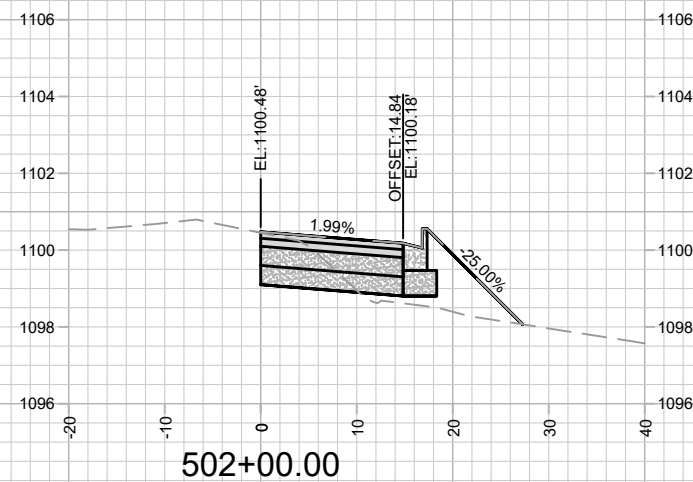
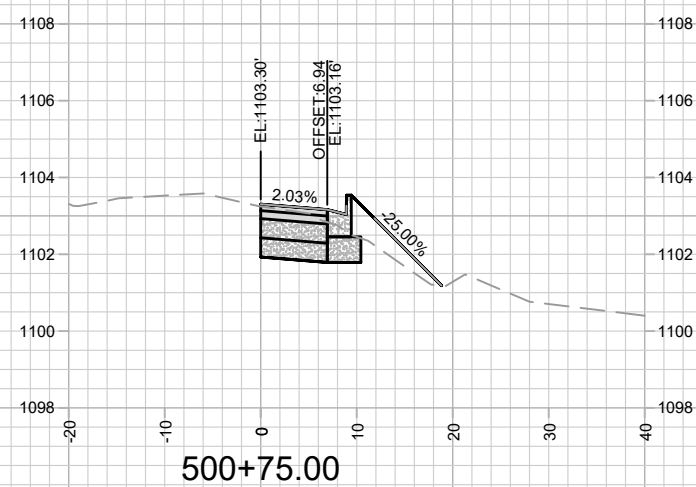
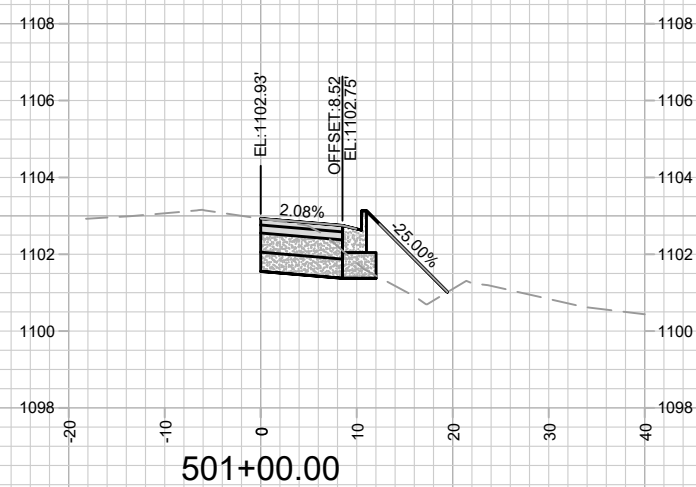








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X-16

CROSS SECTIONS - PIONEER ROAD

WESTWIND

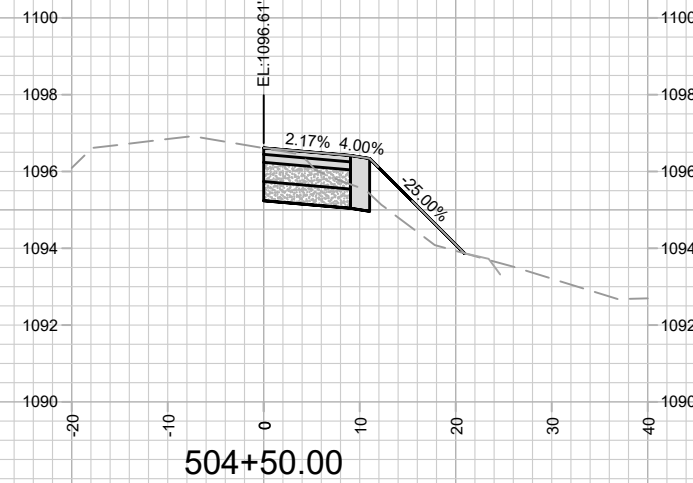
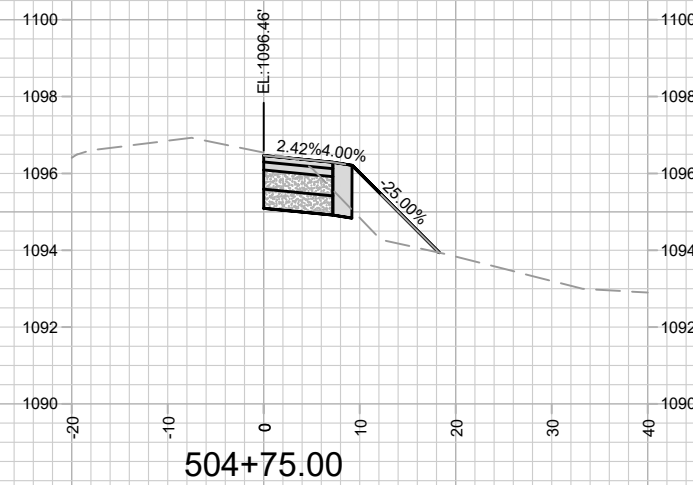
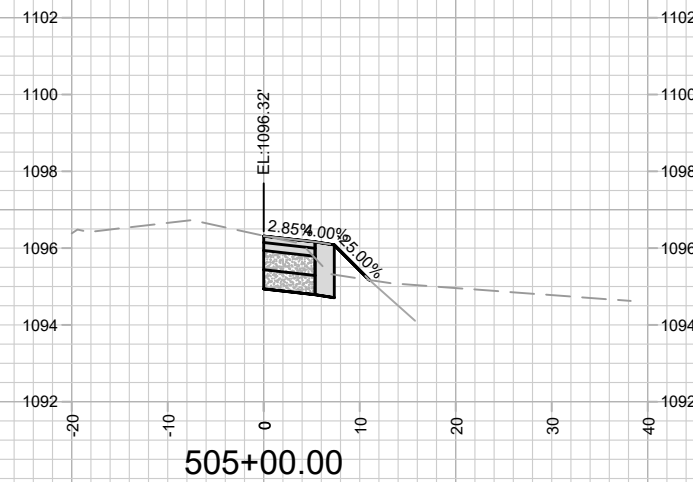
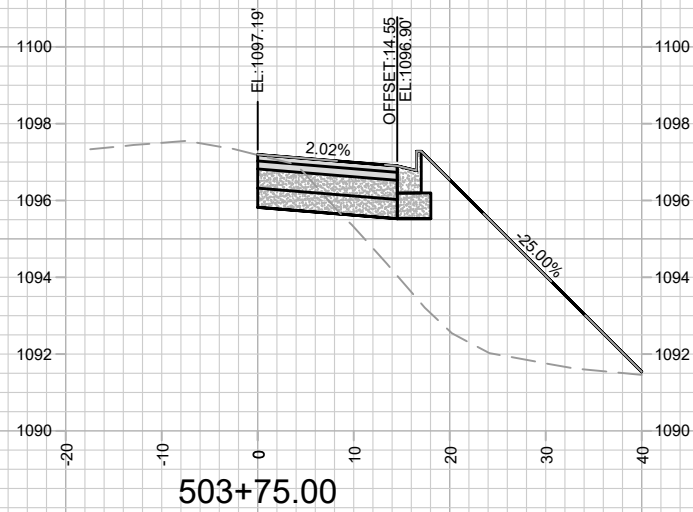
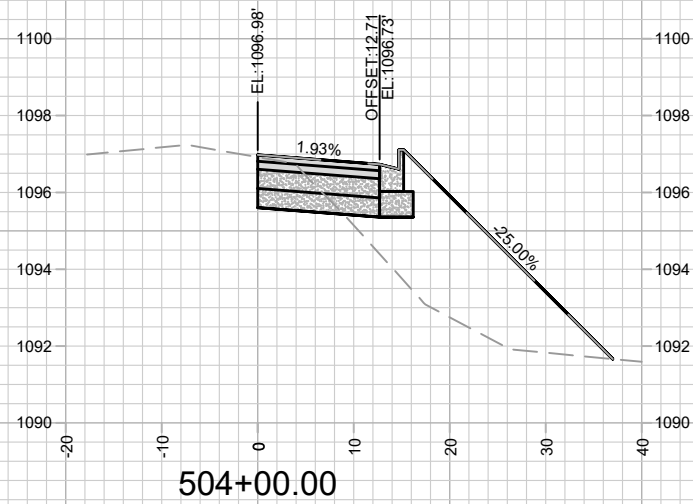
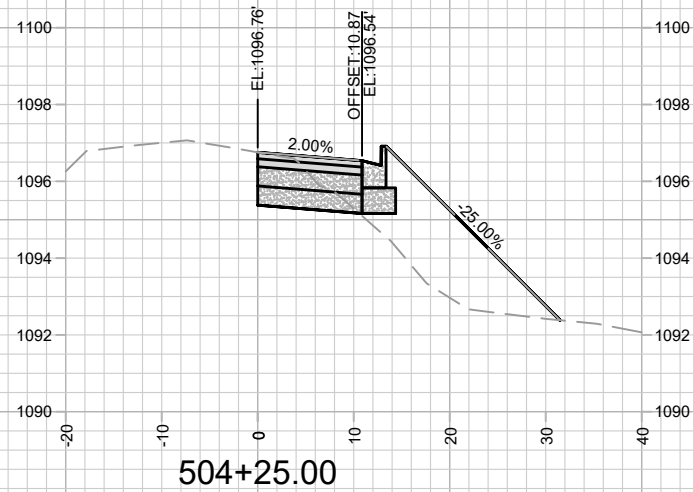
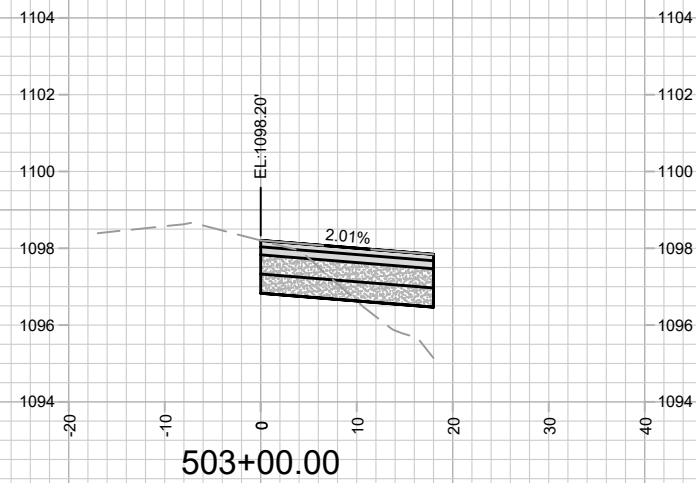
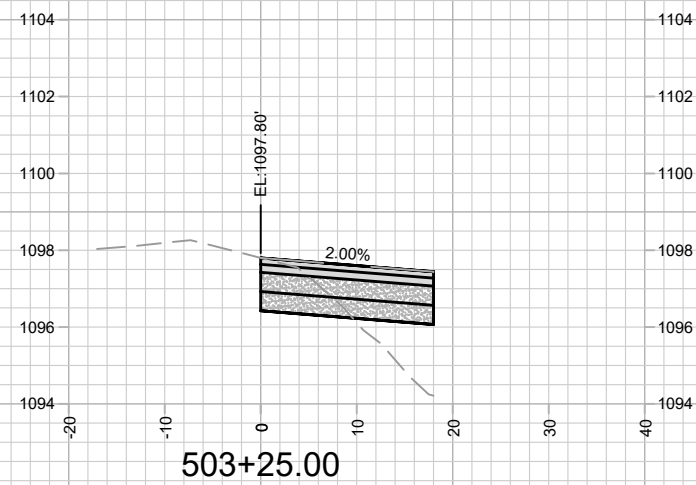
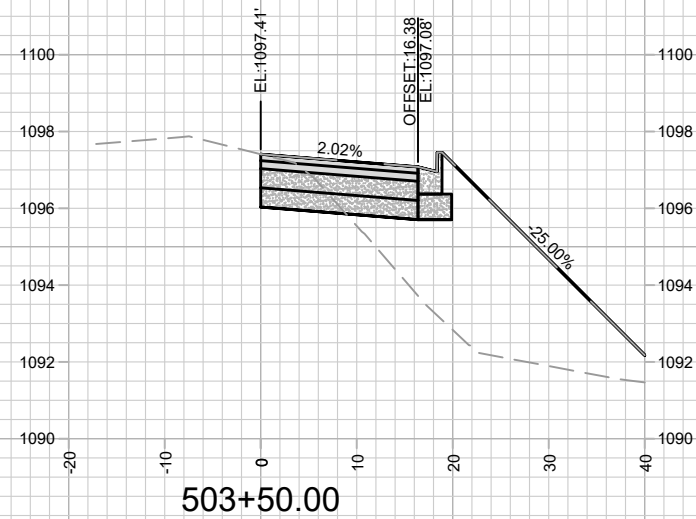
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MADISON, WI

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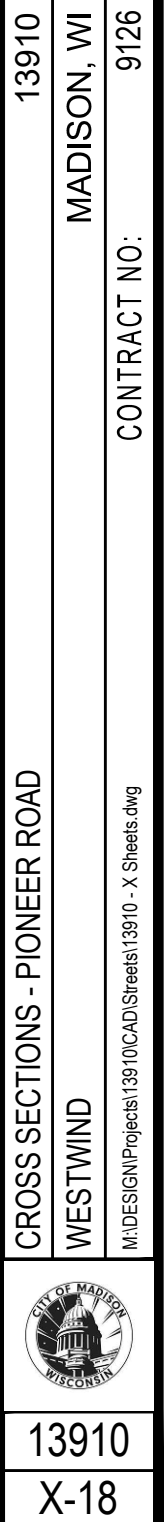
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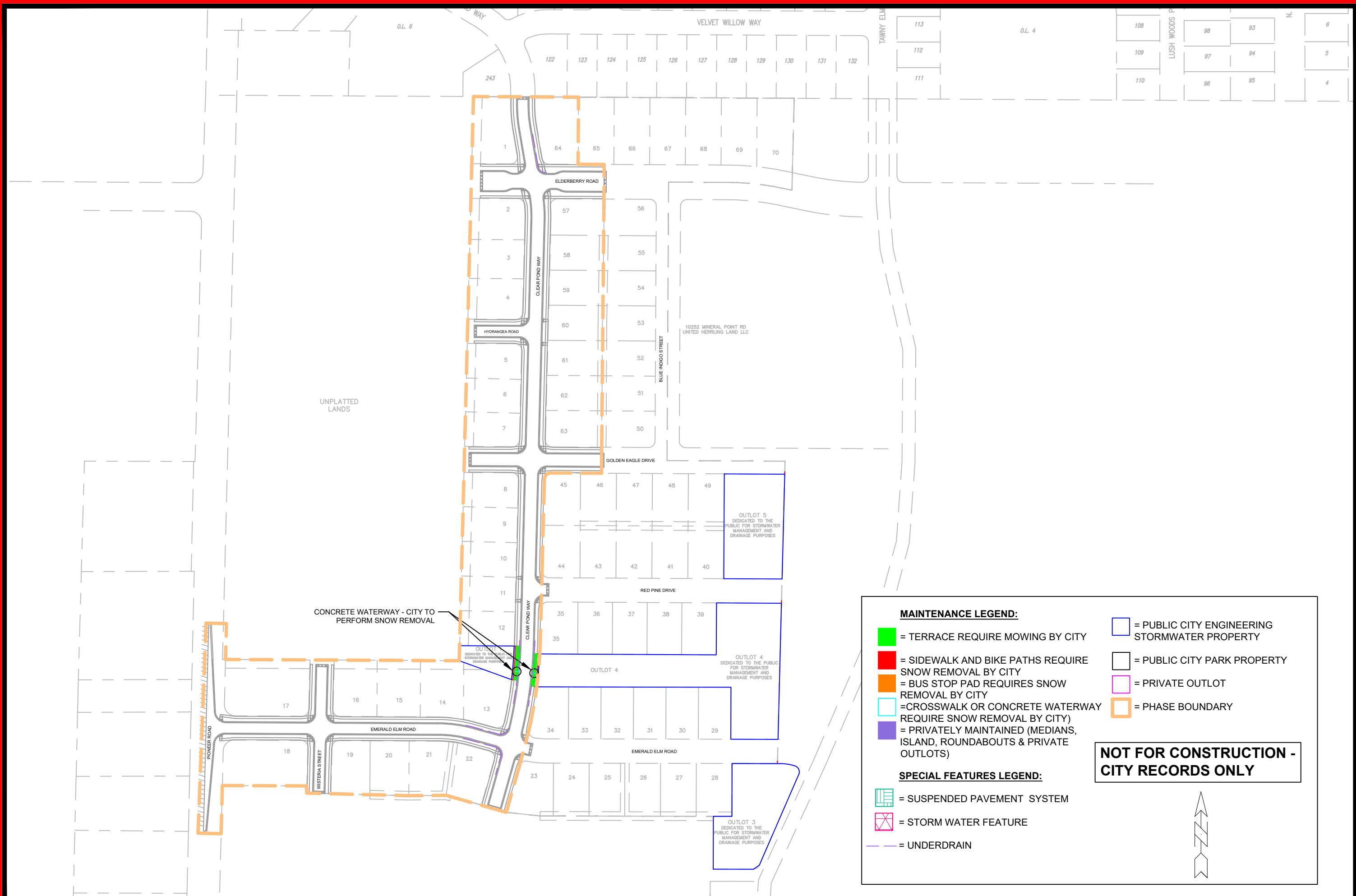
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MADISON, WI
CONTRACT NO: 9126

CROSS SECTIONS - PIONEER ROAD
WESTWIND
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CONCRETE WATERWAY - CITY TO PERFORM SNOW REMOVAL

MAINTENANCE LEGEND:

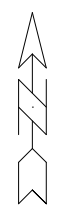
- [Green Box] = TERRACE REQUIRE MOWING BY CITY
- [Red Box] = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- [Orange Box] = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- [Cyan Box] = CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY
- [Purple Box] = PRIVATELY MAINTAINED (MEDIANS, ISLAND,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

- [Blue Outline Box] = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- [Black Outline Box] = PUBLIC CITY PARK PROPERTY
- [Pink Outline Box] = PRIVATE OUTLOT
- [Orange Outline Box] = PHASE BOUNDARY

SPECIAL FEATURES LEGEND:

- [Green Grid Box] = SUSPENDED PAVEMENT SYSTEM
- [Pink X Box] = STORM WATER FEATURE
- [Purple Line] = UNDERDRAIN

NOT FOR CONSTRUCTION - CITY RECORDS ONLY



MAINTENANCE MAP

WESTWIND

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MN-1

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CONTRACT NO: 9126

MARK	REVISION	DATE	BY
13910	5/18/2023 8:38 AM	Scale: #####	MN-1