

Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

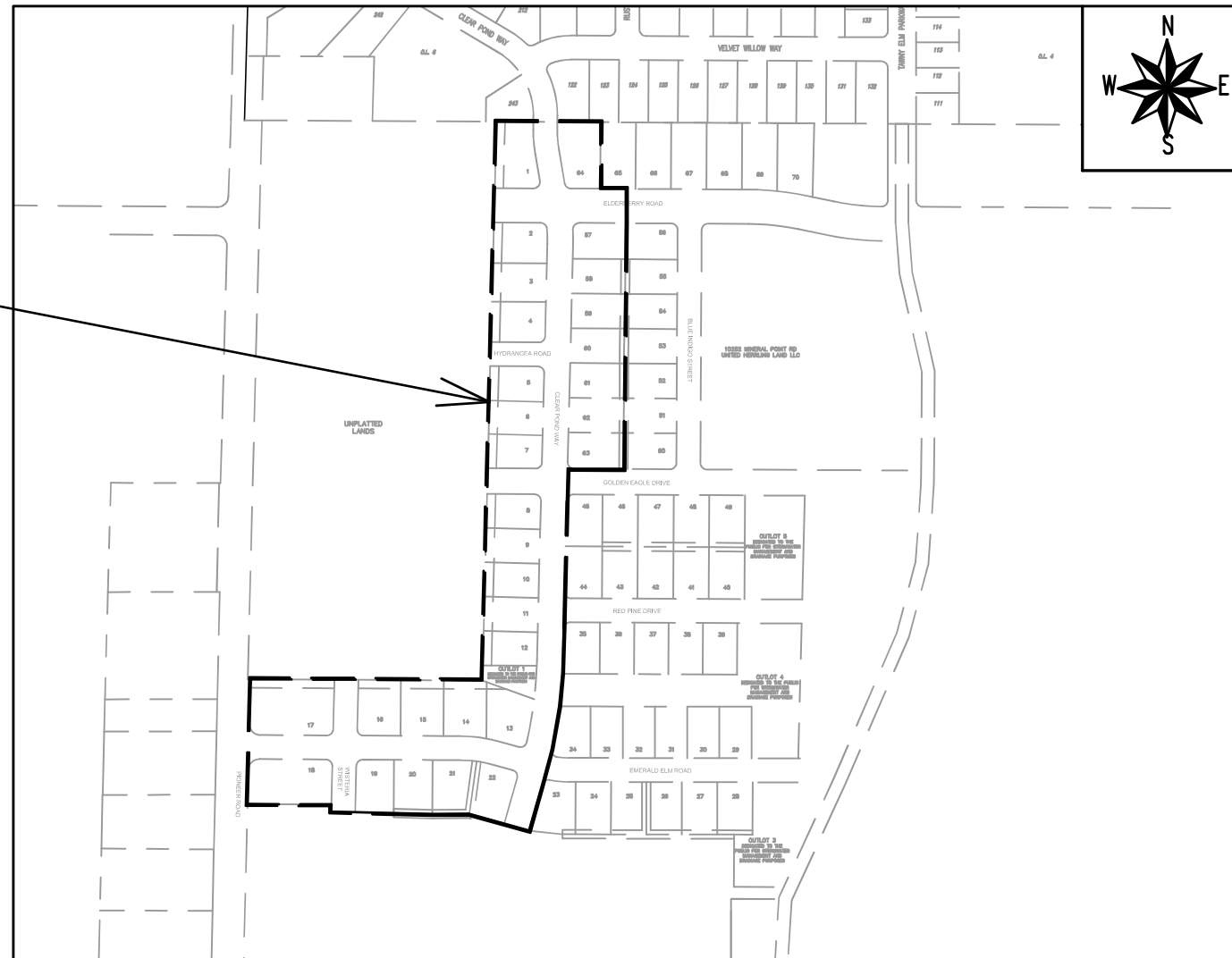
DEPARTMENT OF PUBLIC WORKS

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:

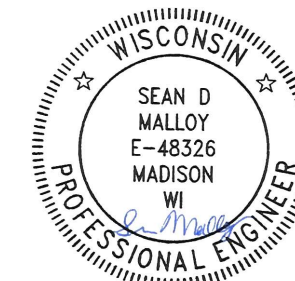
Julie May 23, 2023
 City Engineer Date

STREET DESIGNED BY:



May 23, 2023

GEOMETRICS DESIGNED BY:



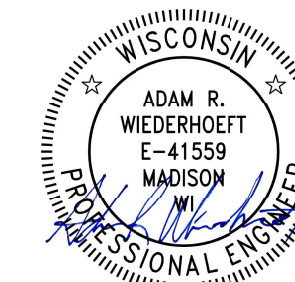
May 23, 2023

STORM SEWER DESIGNED BY:



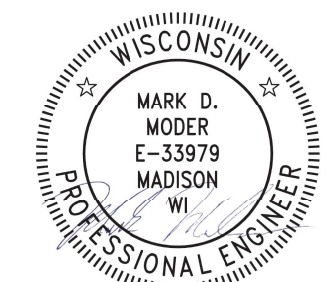
May 23, 2023

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

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

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.

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE

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 CLEAR POND WAY RIGHT-OF-WAY SHALL BE TYPE B 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.

UNDERDRAINS SHALL BE INSTALLED PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

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.

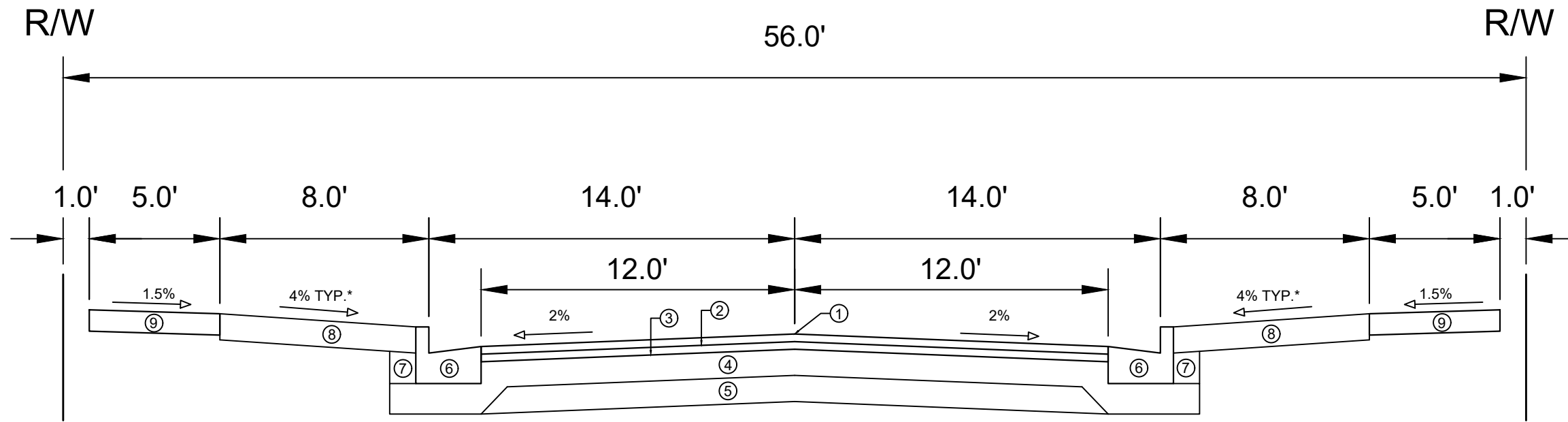
PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO S.D.D 3.05.

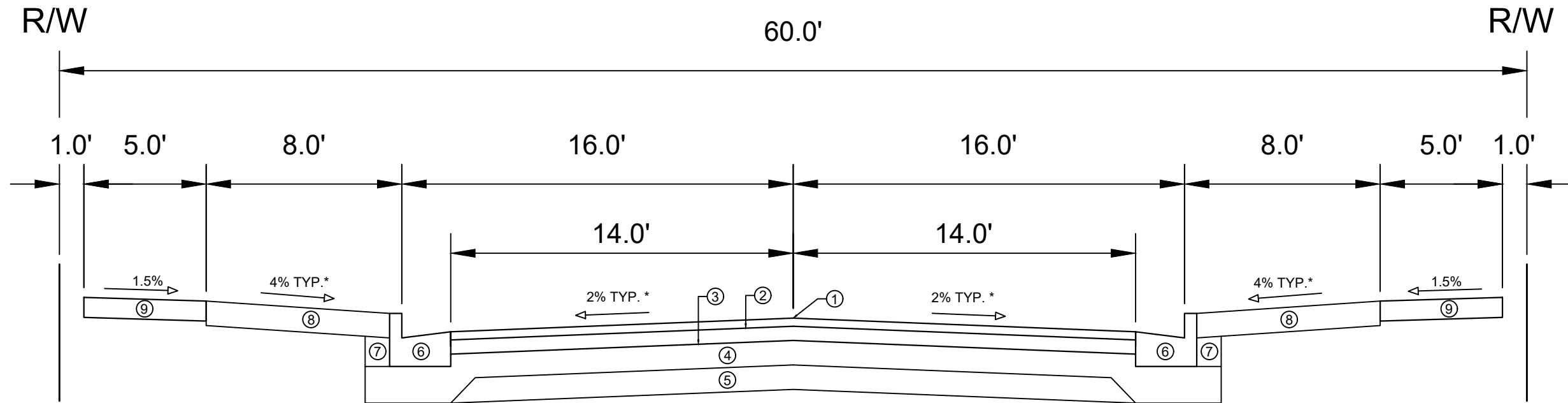
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION.

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	—— G ——
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	MADISON, WI	9126
CONTRACT NO:		
STANDARD NOTES	WESTWIND	M:\DESIGN\Projects\13910\CAD\Streets\13910 - D Sheets.dwg
		
13910	D-1	



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



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

- 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

SPECIAL NOTES:

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

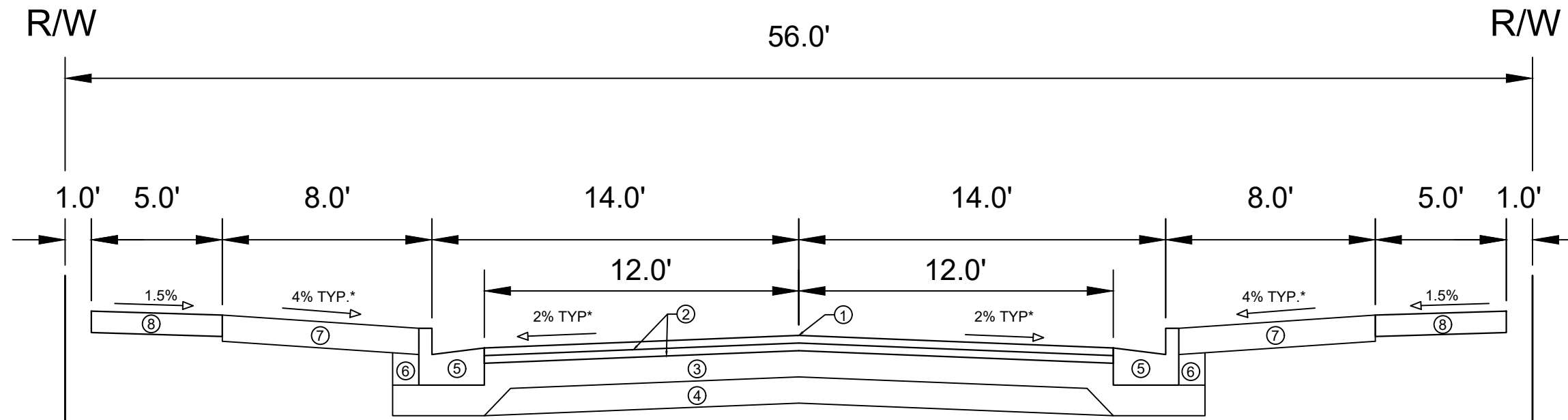
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MADISON, WI
9126
CONTRACT NO:

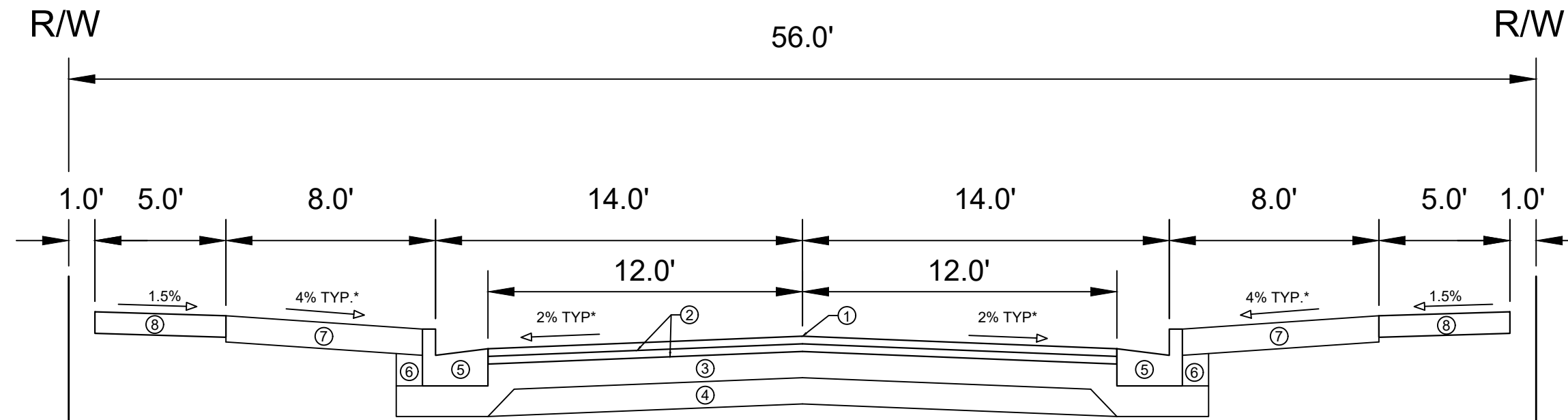
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WESTWIND
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13910
D-3



TYPICAL SECTION
WISTERIA STREET



TYPICAL SECTION
EMERALD ELM ROAD

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

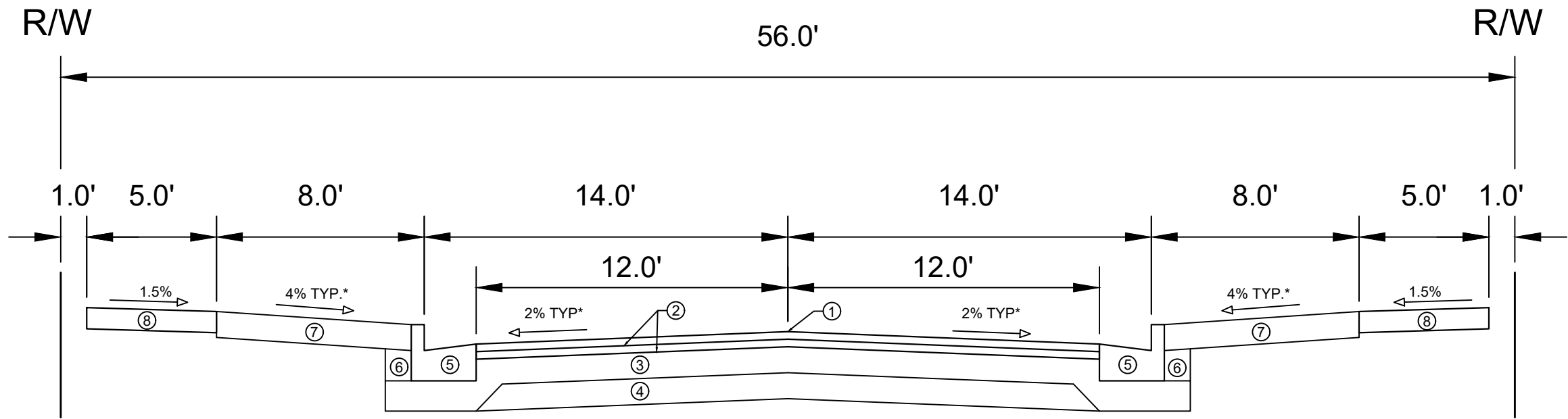
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9126
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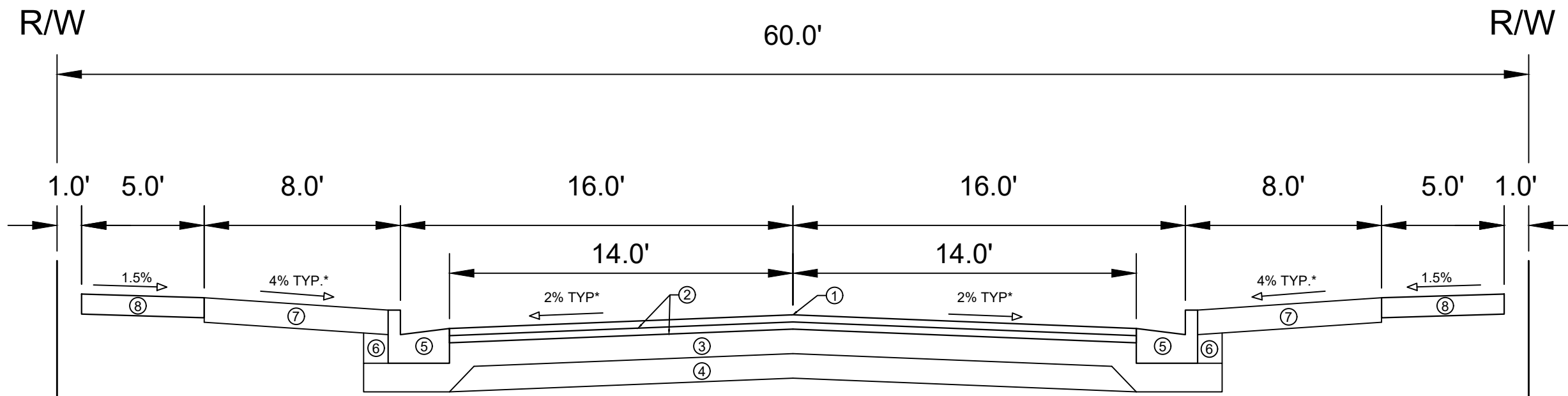
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13910
D-4



TYPICAL SECTION
HYDRANGEA ROAD



TYPICAL SECTION
GOLDEN EAGLE DRIVE

- 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

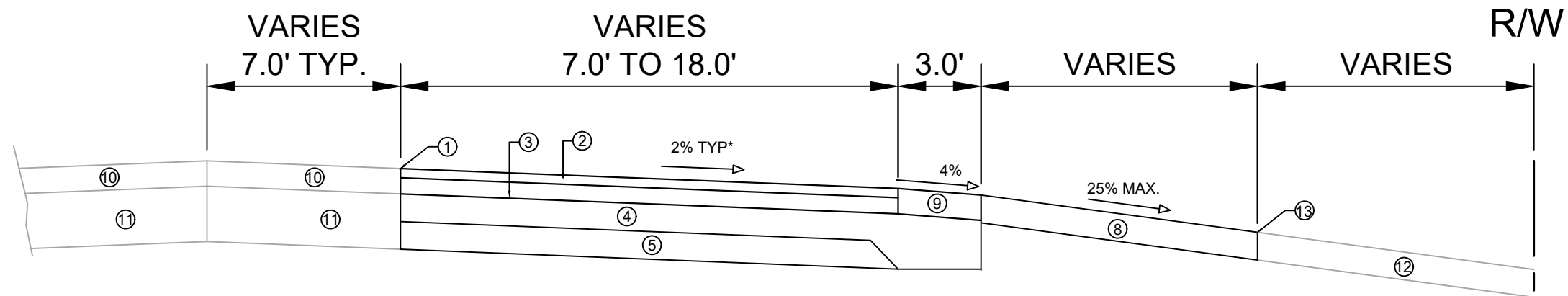
SPECIAL NOTES:

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

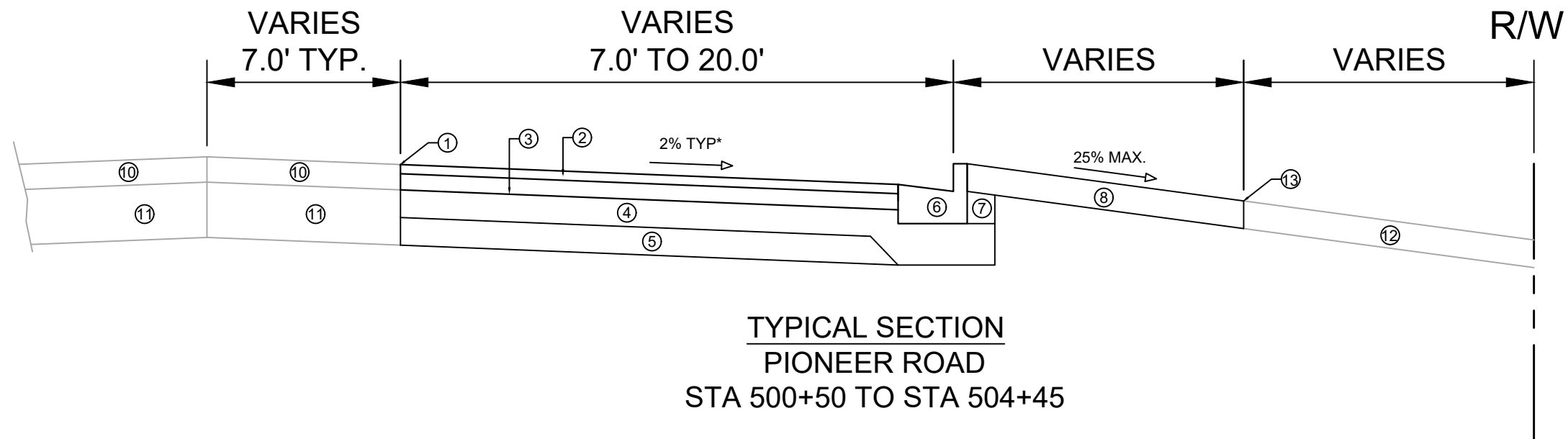
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MADISON, WI
CONTRACT NO: 9126
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TYPICAL SECTION
PIONEER ROAD
STA 504+45 TO STA 505+28



TYPICAL SECTION
PIONEER ROAD
STA 500+50 TO STA 504+45

- ① POINT REFERRED TO ON PROFILE
- ② 2.0" H.M.A. PAVEMENT- TYPE 4 MT 58-28 S**
- 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

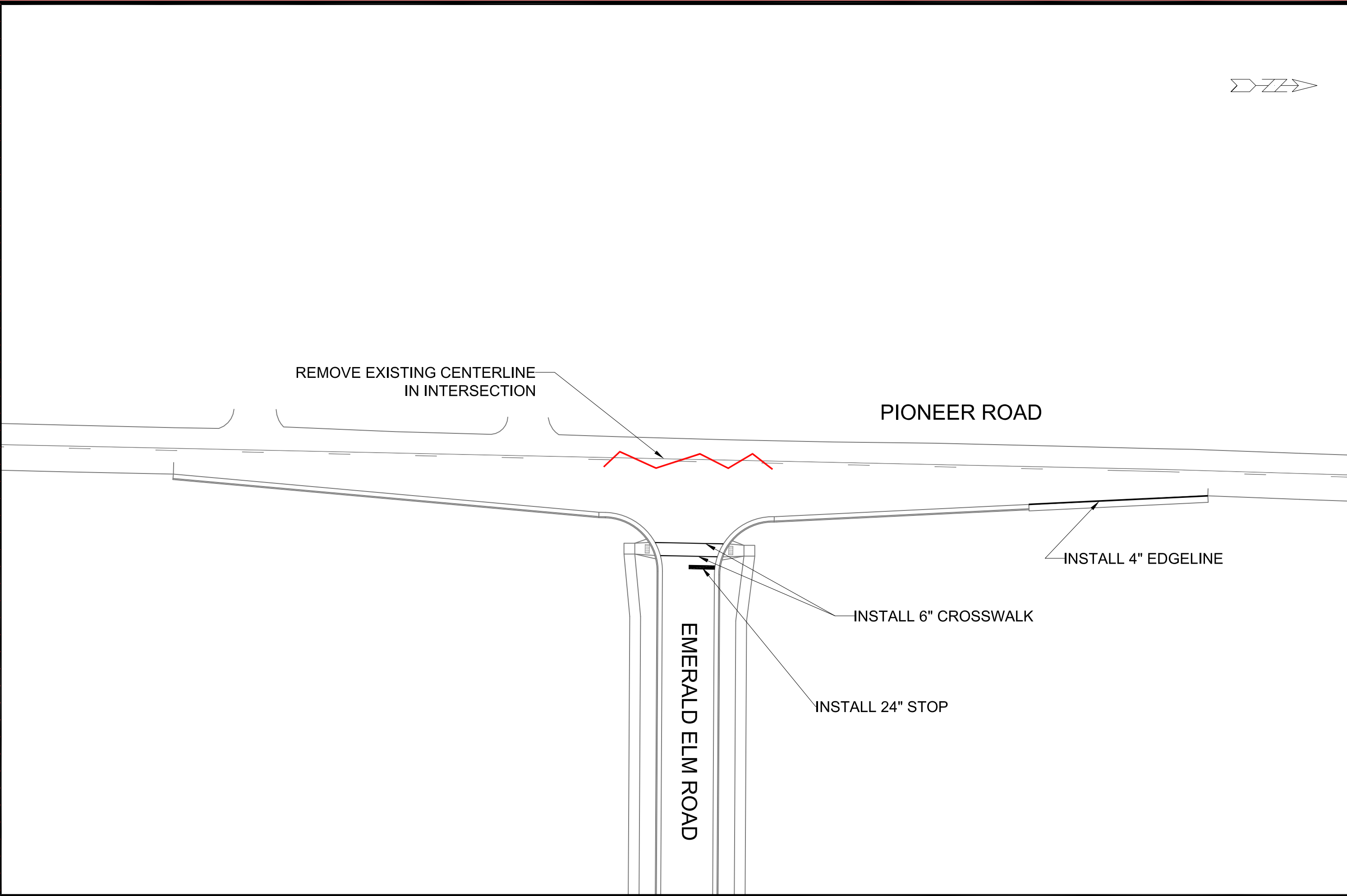
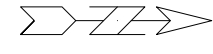
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MADISON, WI
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CONTRACT NO:

TYPICAL SECTIONS
WESTWIND
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13910
D-6



REMOVE EXISTING CENTERLINE
IN INTERSECTION

PIONEER ROAD

INSTALL 4" EDGELINE

INSTALL 6" CROSSWALK

INSTALL 24" STOP

EMERALD ELM ROAD

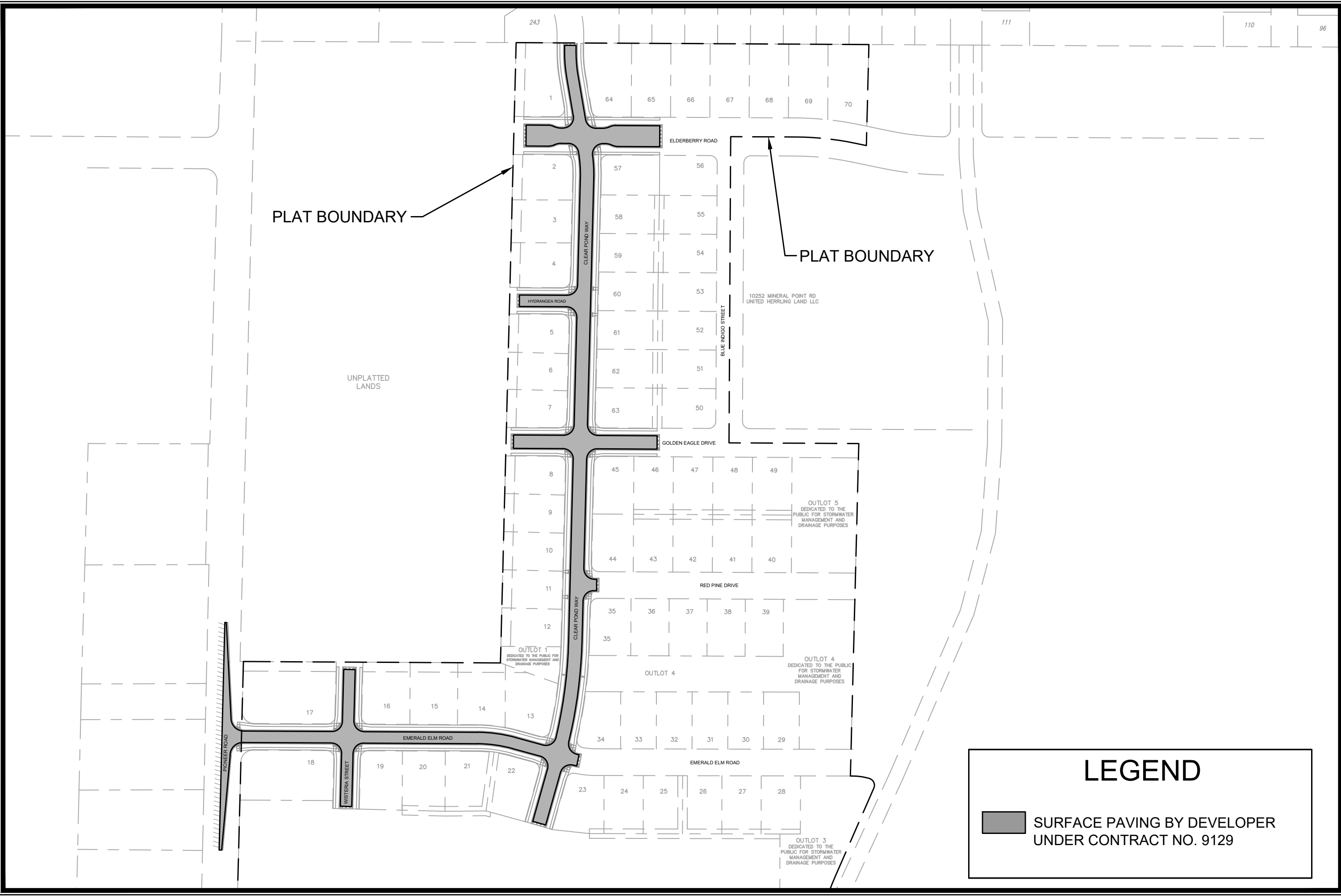
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MARKING PLAN
WESTWIND
13910
MADISON, WI
9126
CONTRACT NO:

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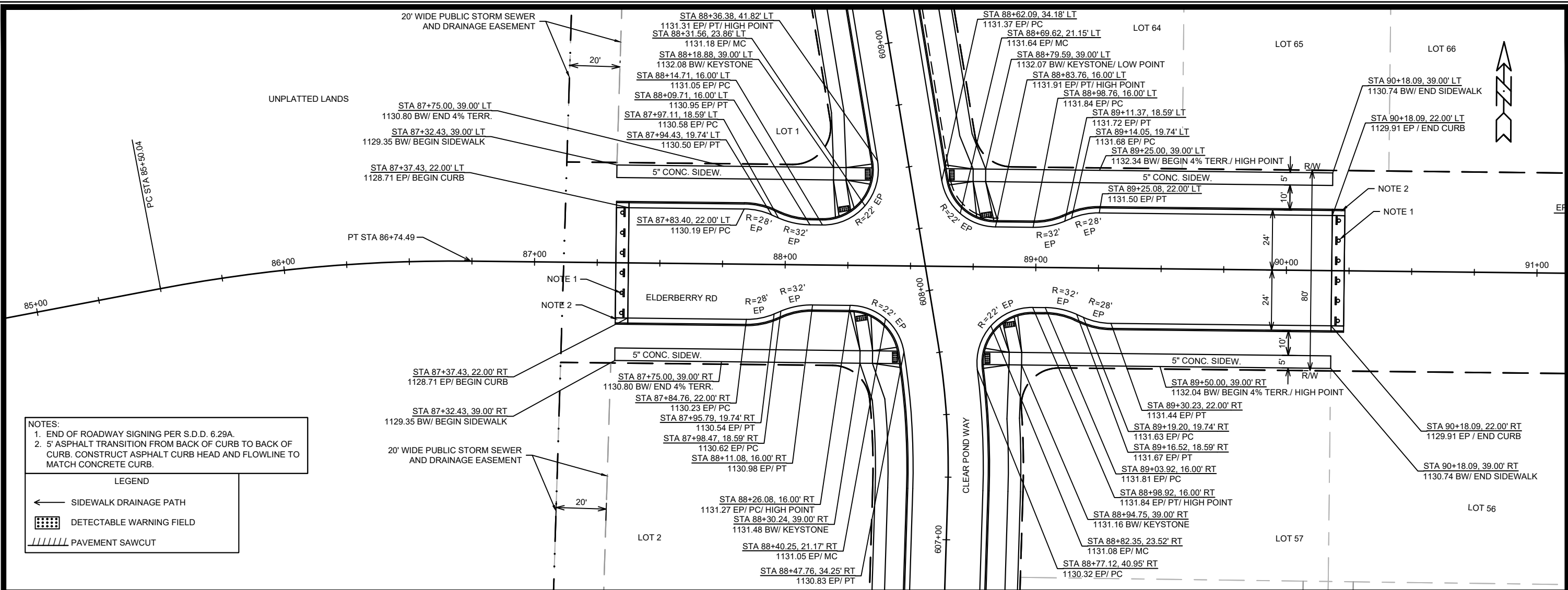
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M-1



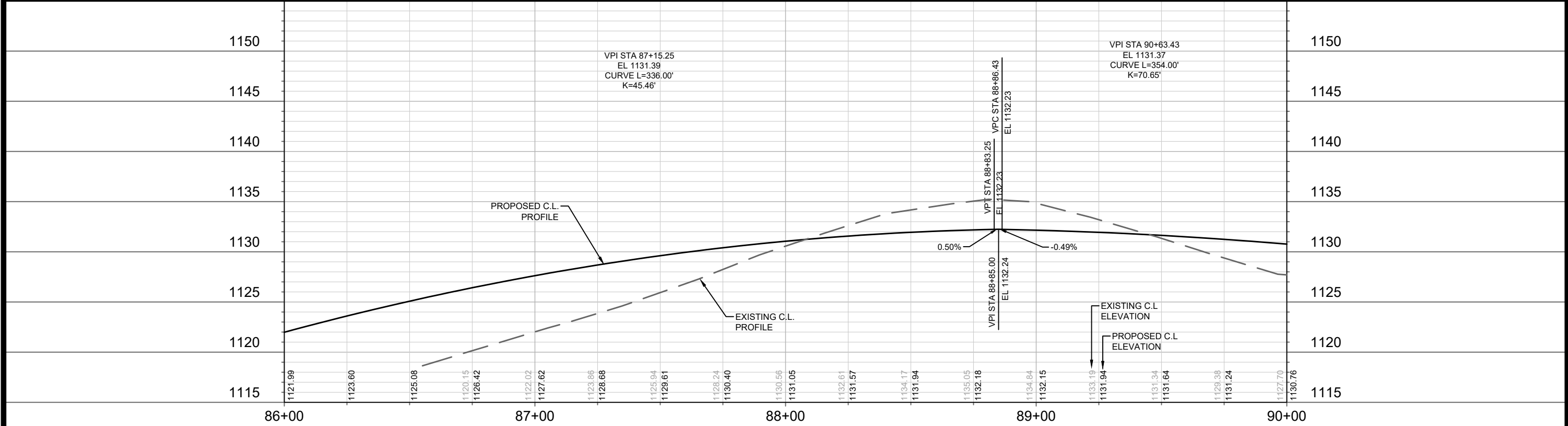
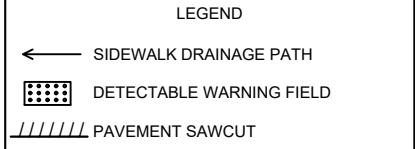
LEGEND

SURFACE PAVING BY DEVELOPER UNDER CONTRACT NO. 9129

OVERVIEW PLAN	13910	O-1
WESTWIND	MADISON, WI	CONTRACT NO: 9126
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	13910	0-1
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Designed By: 13910	Date: 5/18/2023 6:54 AM	Scale: #####



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.

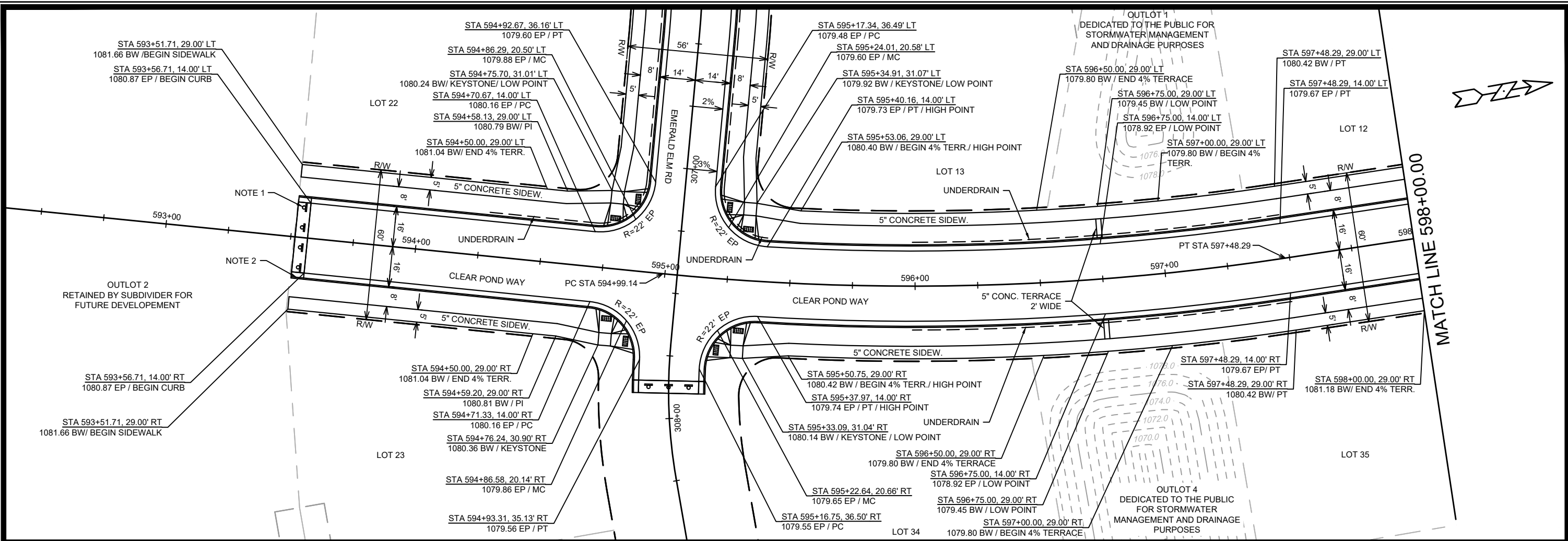


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13910
 MADISON, WI
 CONTRACT NO: 9126

PLAN & PROFILE - ELDERBERRY RD
 WESTWIND
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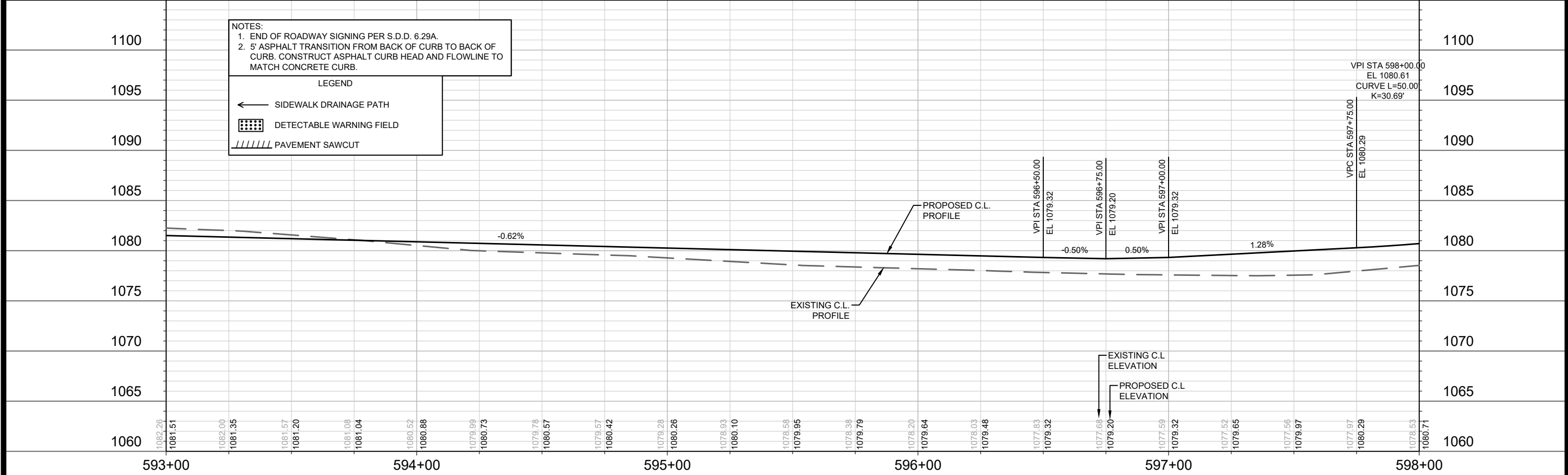




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LEGEND

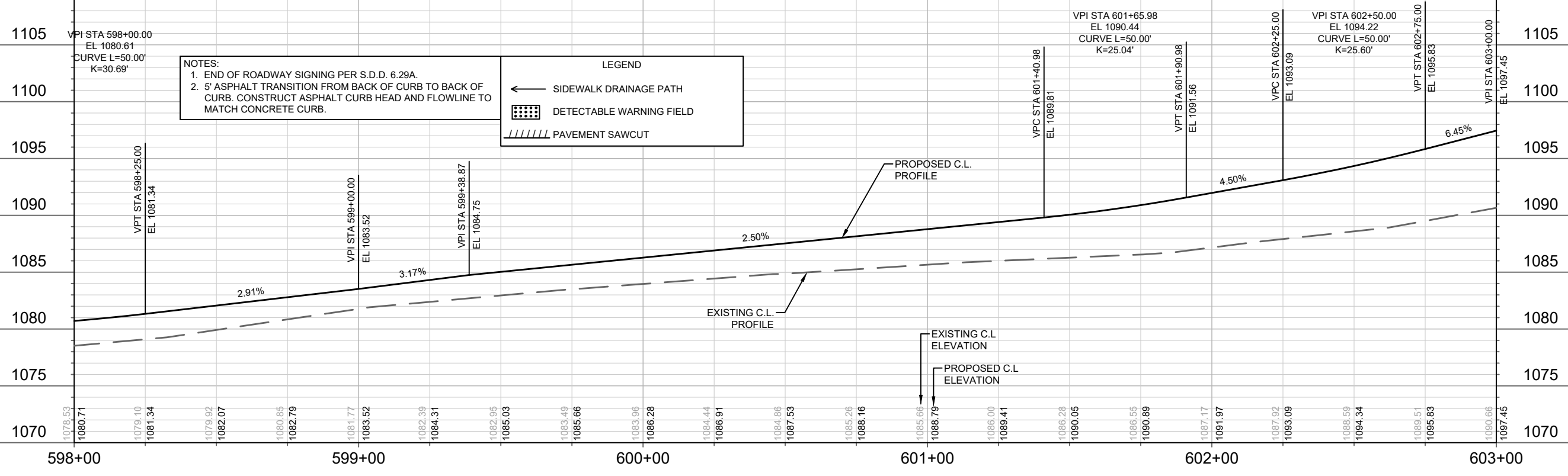
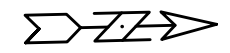
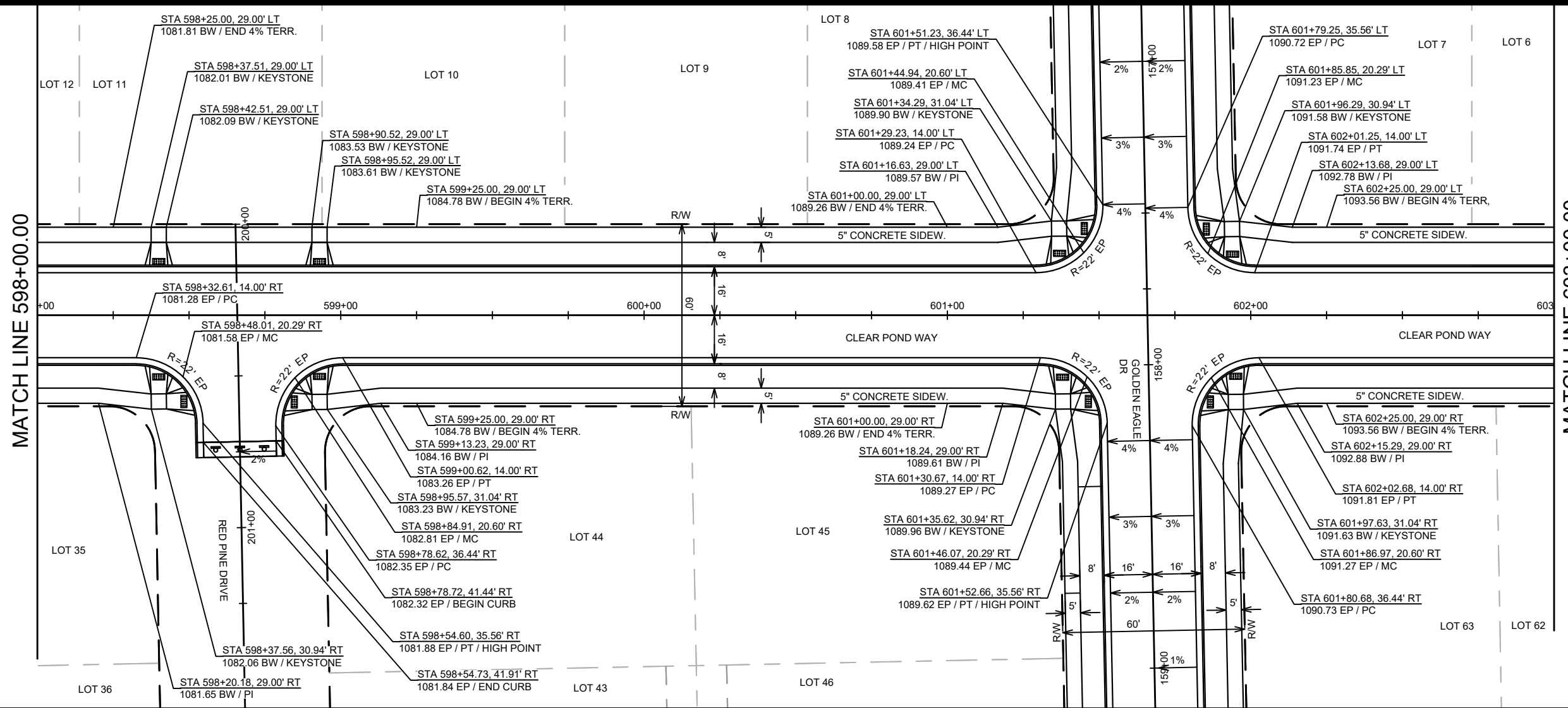
- ← SIDEWALK DRAINAGE PATH
- ▣ DETECTABLE WARNING FIELD
- ▨ PAVEMENT SAWCUT



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13910
 MADISON, WI
 CONTRACT NO: 9126

PLAN & PROFILE - CLEAR POND WAY
 WESTWIND
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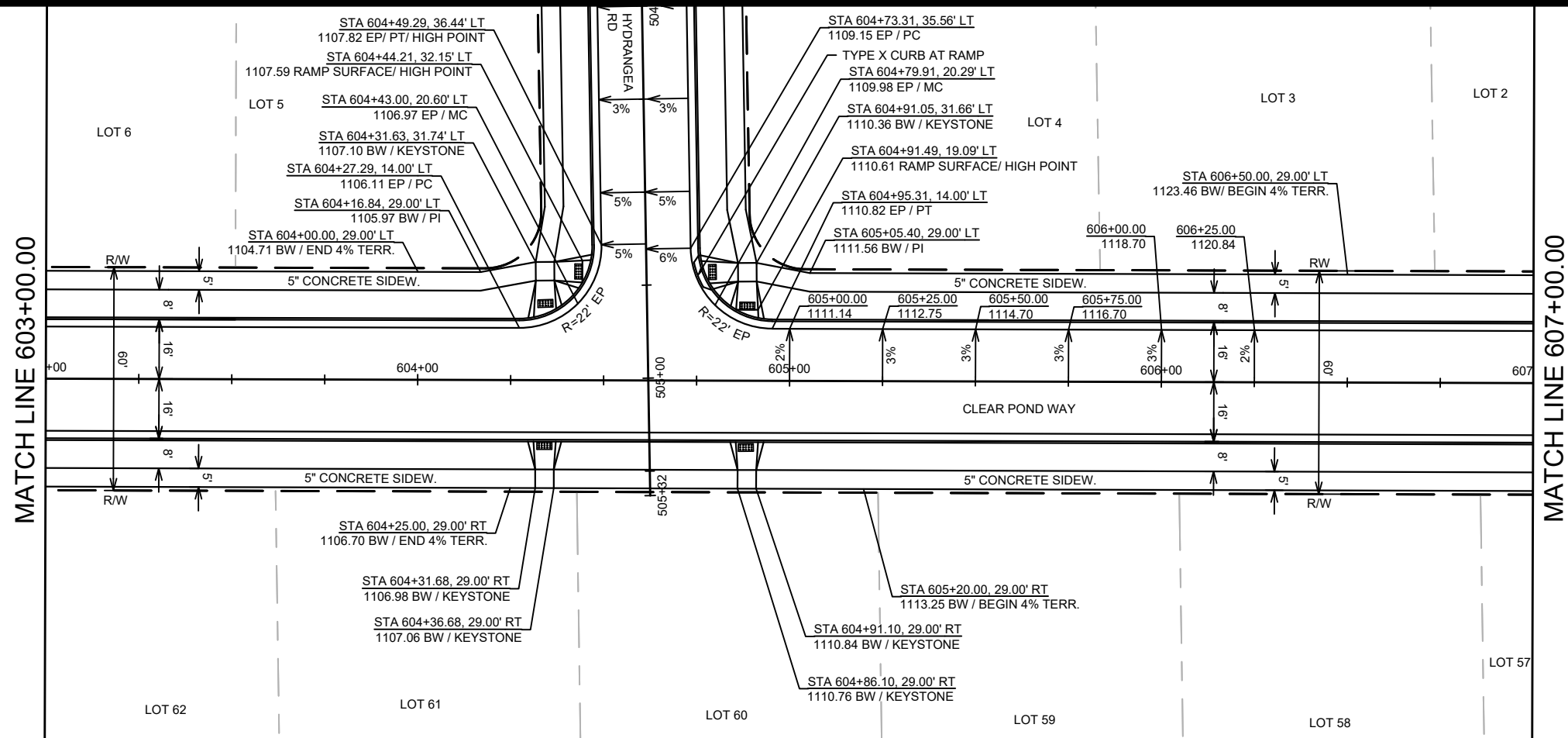


NOTES:
 1. END OF ROADWAY SIGNING PER S.D.D. 6.29A.
 2. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.

LEGEND

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

13910	MADISON, WI	9126	CONTRACT NO:
PLAN & PROFILE - CLEAR POND WAY		WESTWIND	
13910		P-3	
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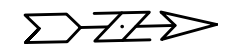
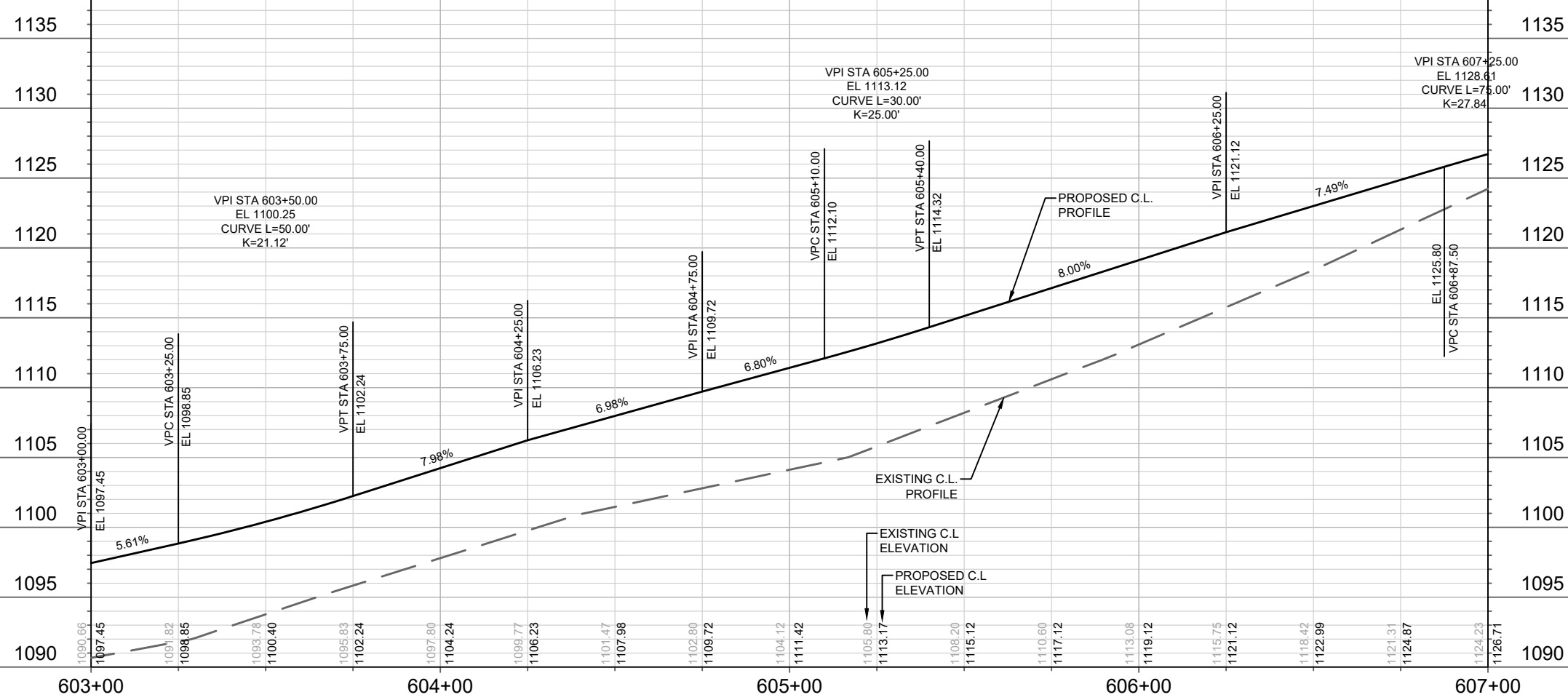


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2. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.

LEGEND

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

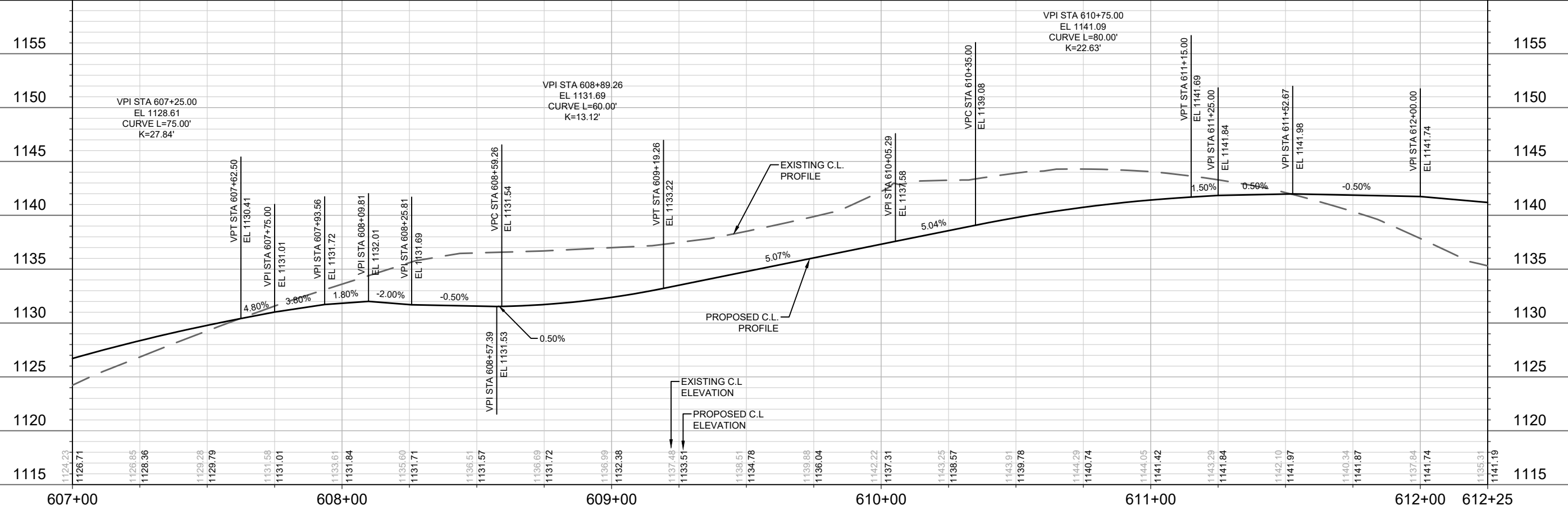
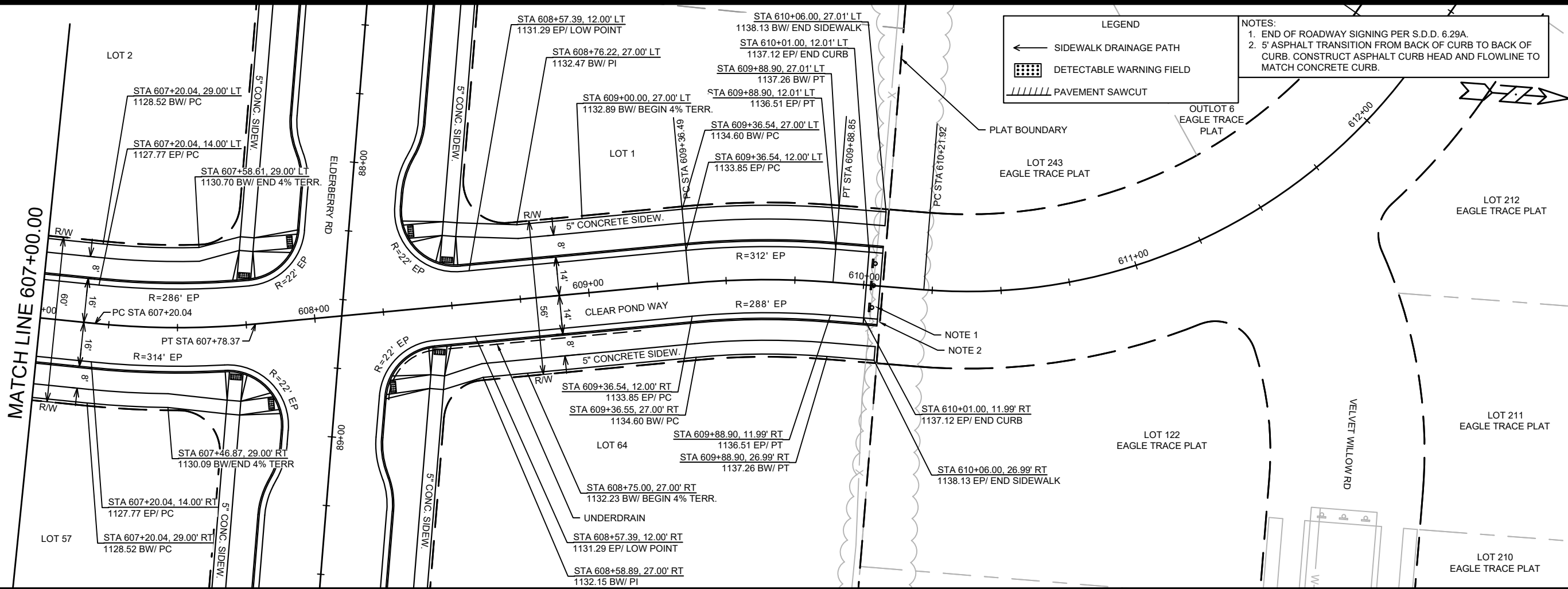


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13910
 MADISON, WI
 CONTRACT NO: 9126

PLAN & PROFILE - CLEAR POND WAY
 WESTWIND
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 P-4



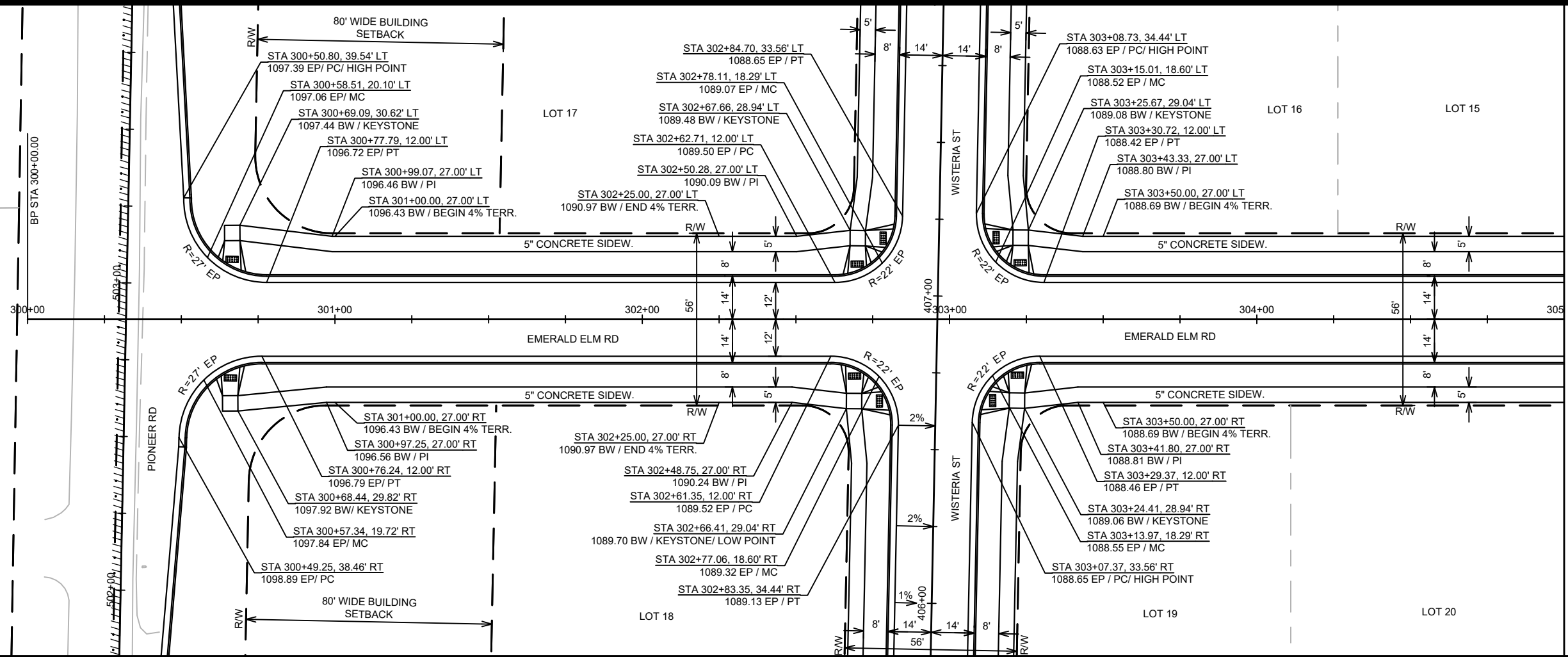
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MADISON, WI
CONTRACT NO: 9126

PLAN & PROFILE - CLEAR POND WAY
WESTWIND

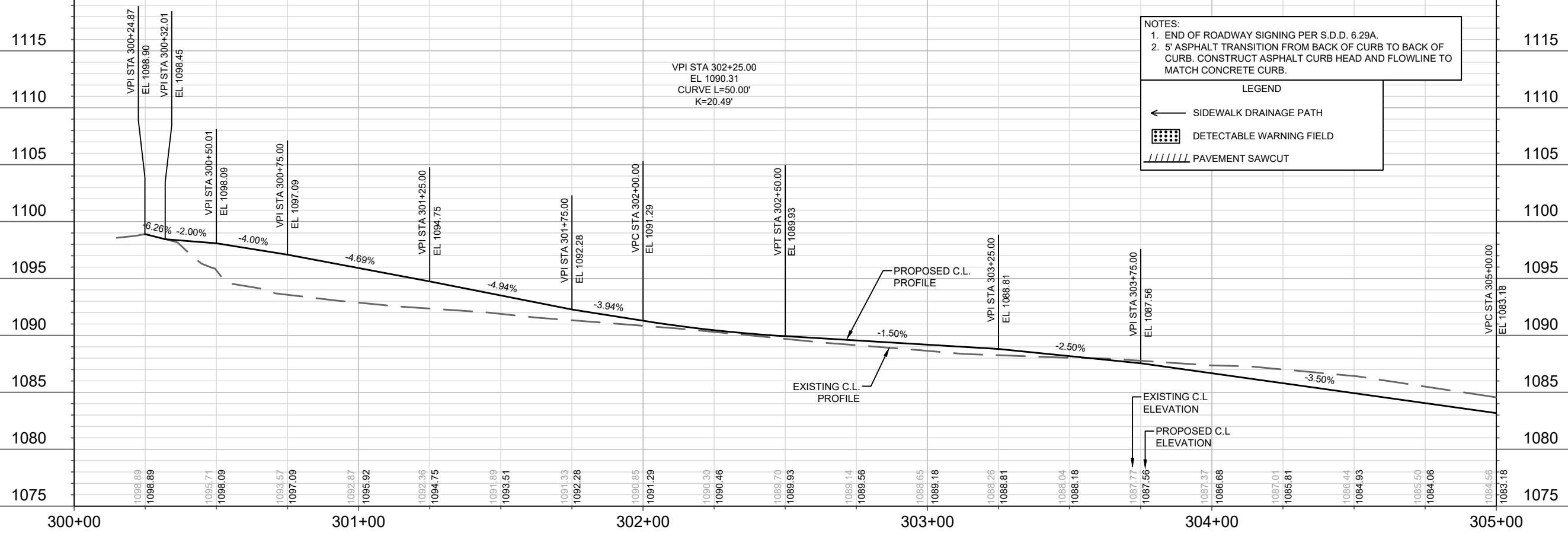
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P-5

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Designed By: ##	13910
Date: 5/22/2023 4:13 PM	Scale: 1" = 40'



MATCH LINE 305+00.00



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.

LEGEND

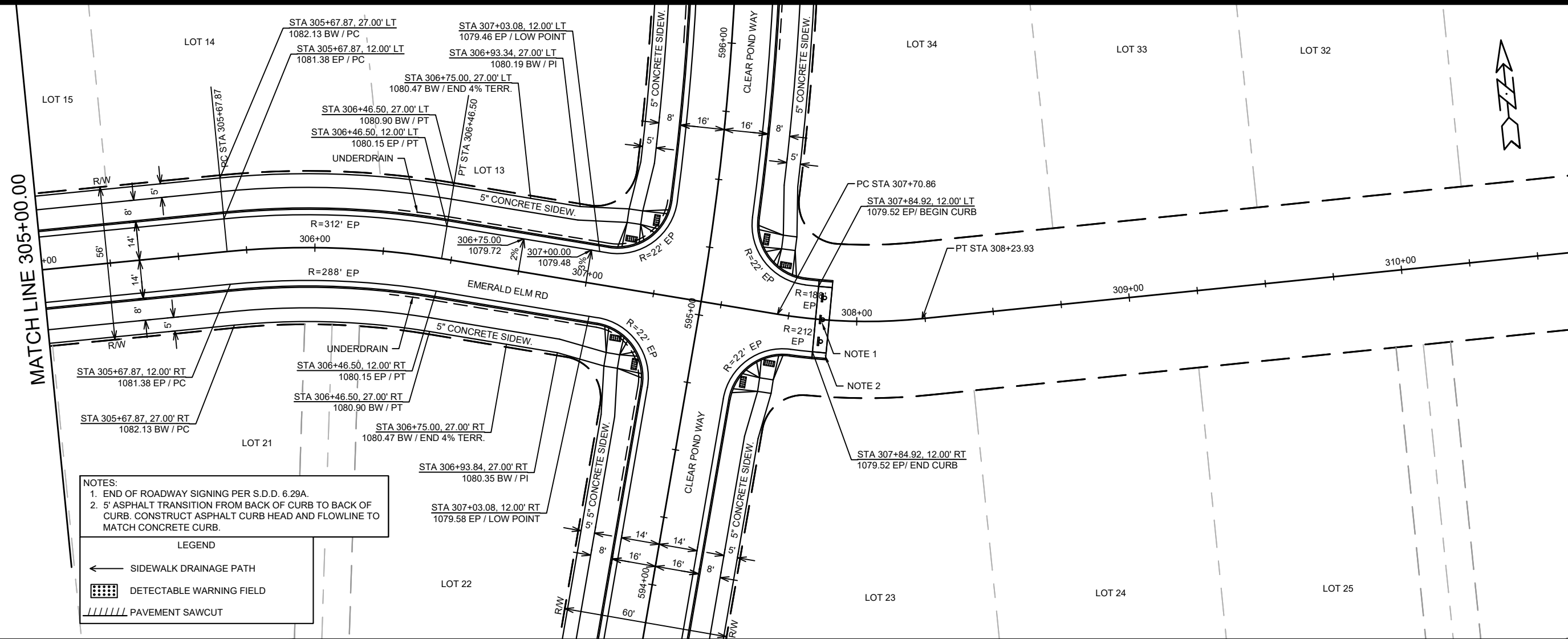
- ← SIDEWALK DRAINAGE PATH
- ▣ DETECTABLE WARNING FIELD
- ▨ PAVEMENT SAWCUT

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REVISION	
DESIGNED BY: ###	13910
DATE: 5/22/2023 4:13 PM	
SCALE: 1" = 40'	
PAGE	P-6

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 MADISON, WI
 CONTRACT NO: 9126

PLAN & PROFILE - EMERALD ELM ROAD
 WESTWIND
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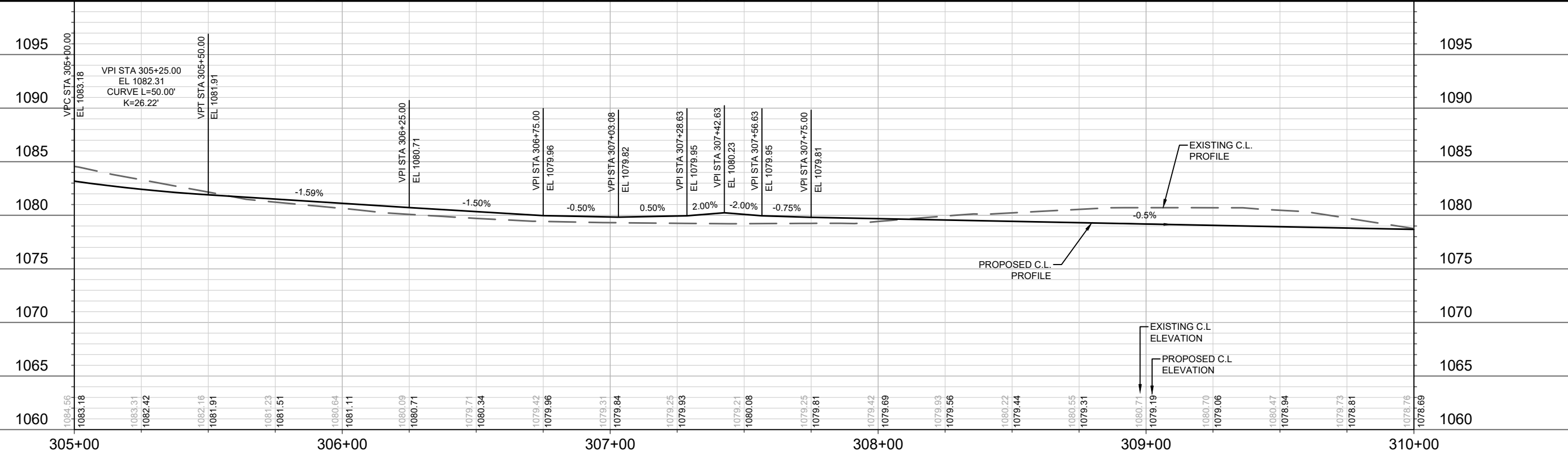
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NOTES:
 1. END OF ROADWAY SIGNING PER S.D.D. 6.29A.
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LEGEND

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

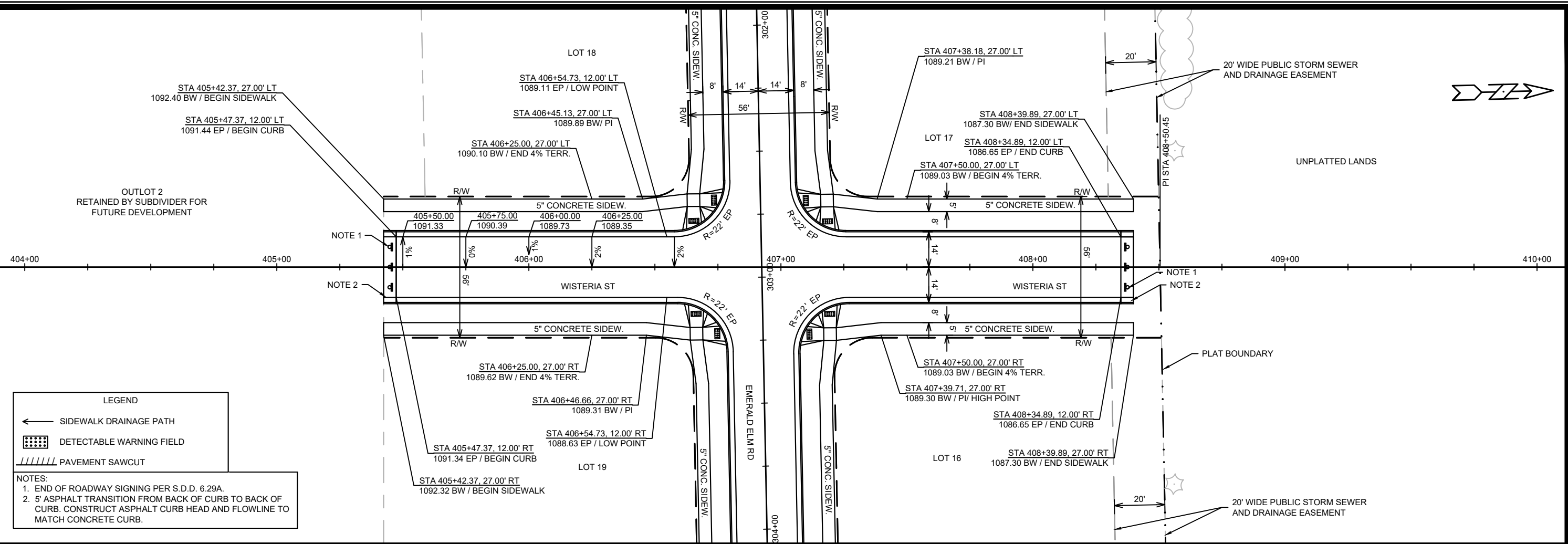


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REVISION	
DESIGNED BY: ##	13910
DATE: 5/22/2023 4:13 PM	
SCALE: 1" = 40'	
PAGE: P-7	

13910
MADISON, WI
9126
CONTRACT NO:

PLAN & PROFILE - EMERALD ELM ROAD
WESTWIND
 M:\DESIGN\Projects\13910\CAD\Streets\13910 - P Sheets.dwg

13910
P-7

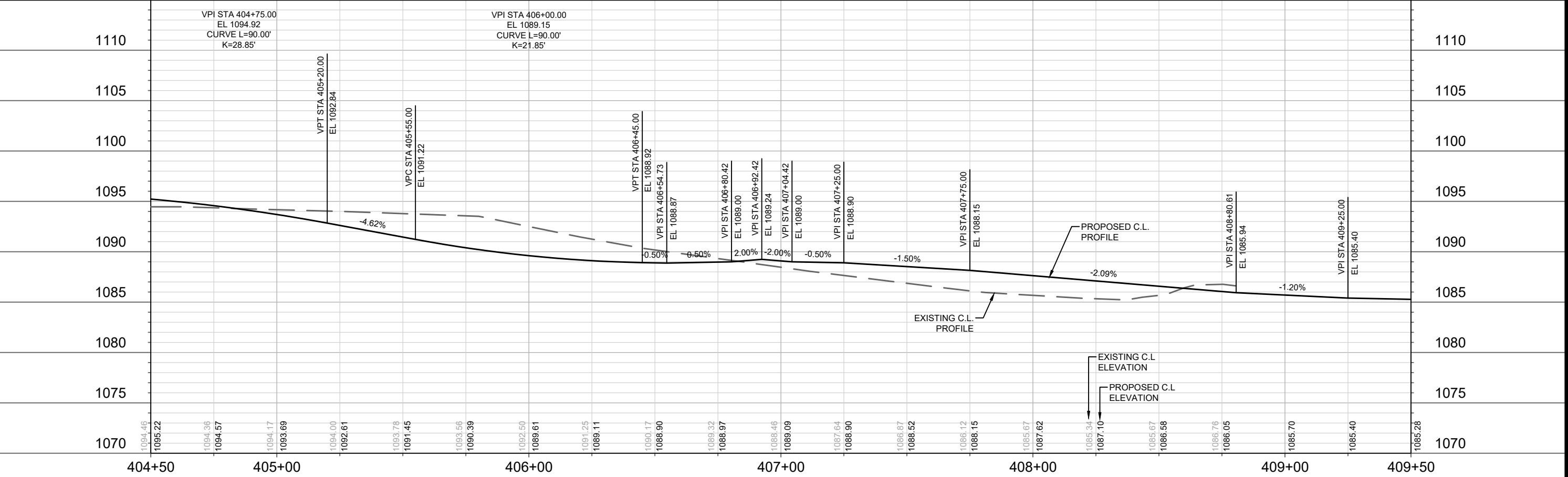


LEGEND

- 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.

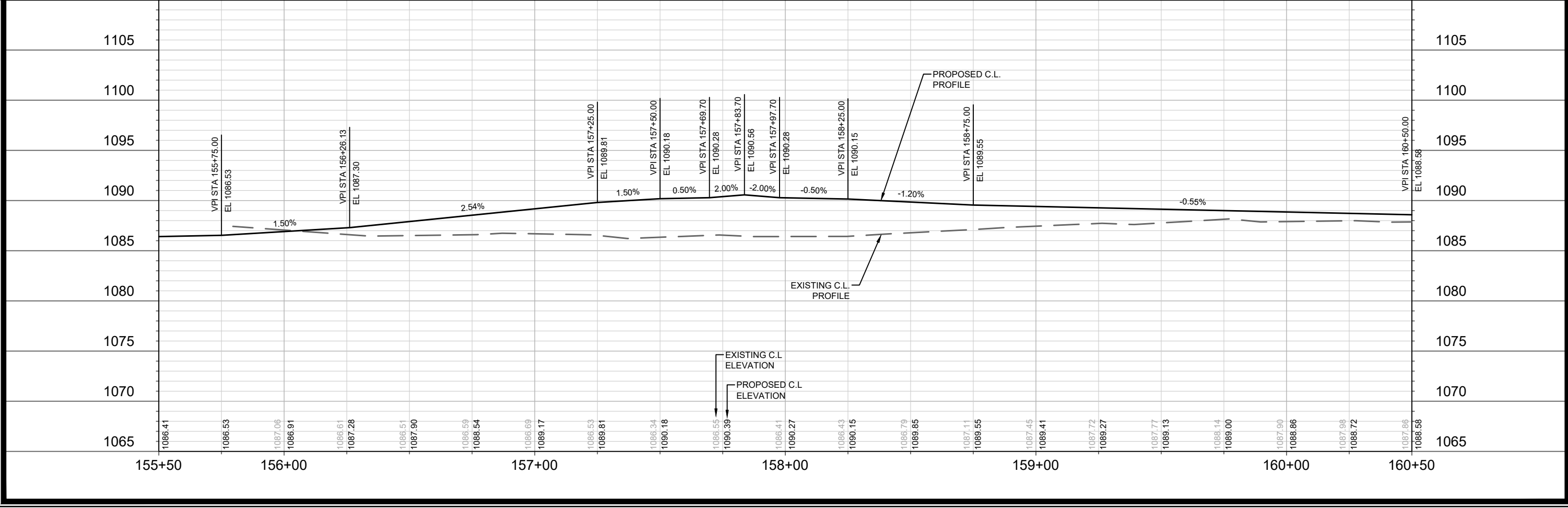
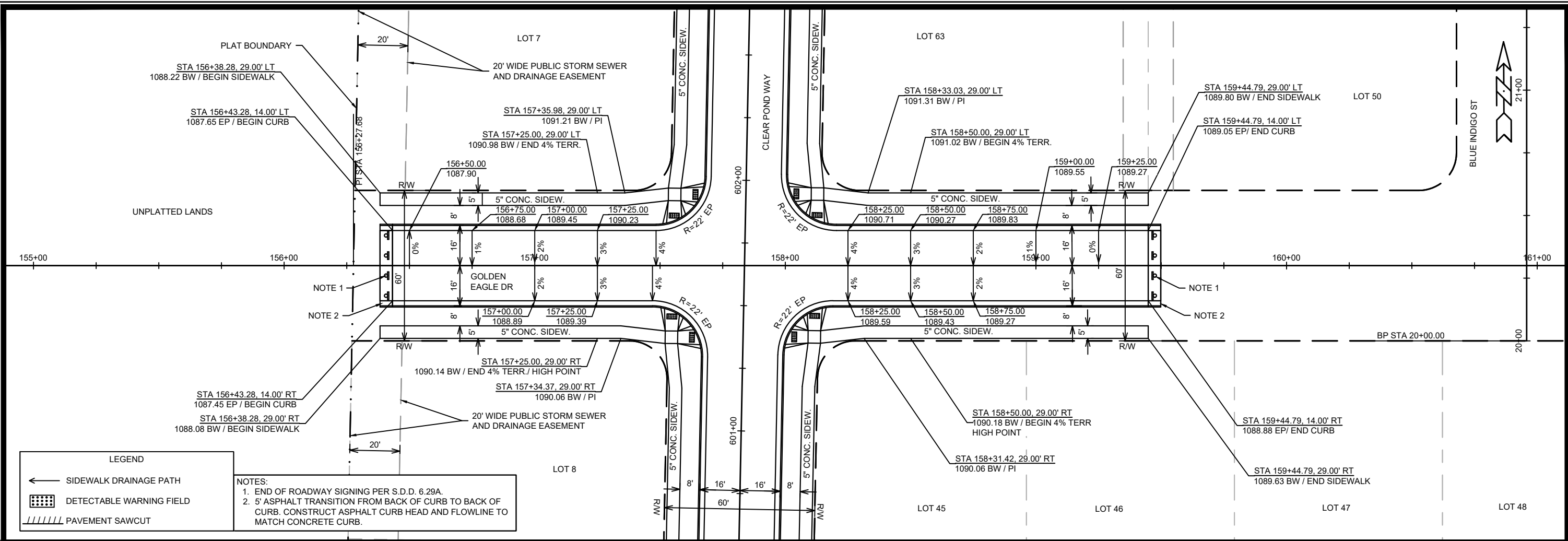


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REVISION	
DESIGNED BY: ###	Scale: 1" = 40'
13910	P-8

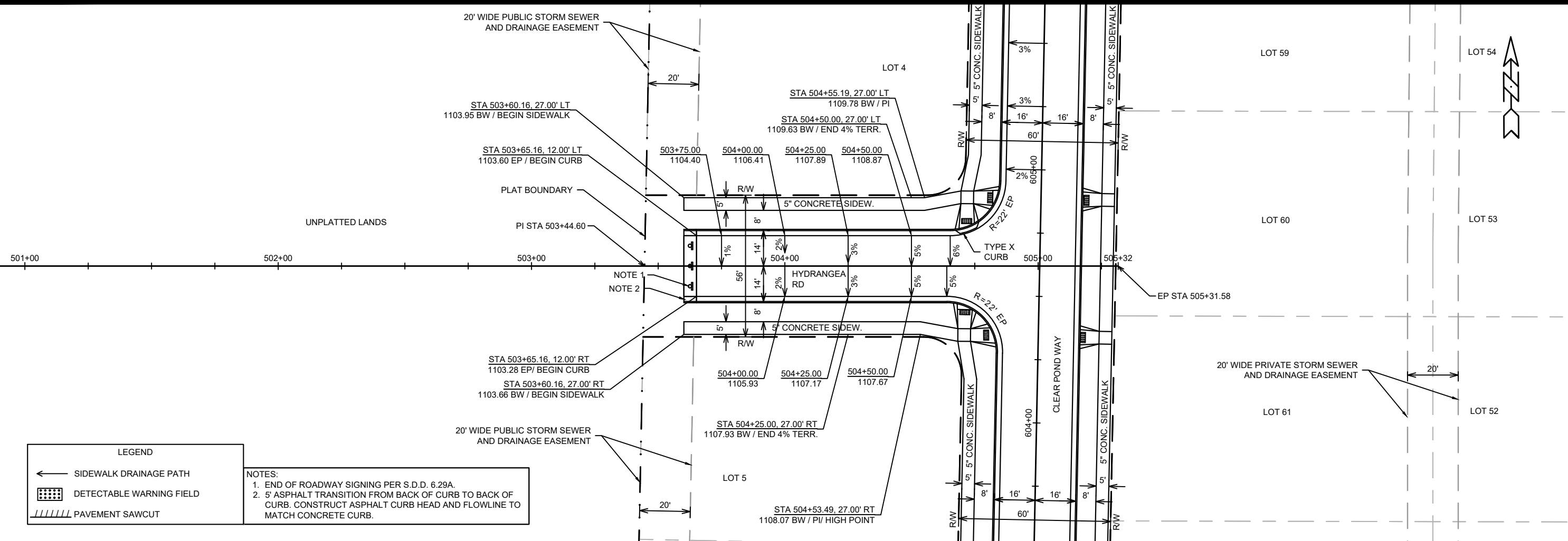
13910
 MADISON, WI
 CONTRACT NO: 9126

PLAN & PROFILE - WISTERIA STREET
 WESTWIND
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 P-8



DATE	BY	13910	P-9
REVISION	13910		
Scale: #####			
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Date: 5/22/2023 4:14 PM			
13910		9126	
MADISON, WI		CONTRACT NO:	
PLAN & PROFILE - GOLDEN EAGLE DRIVE			
WESTWIND			
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		P-9	

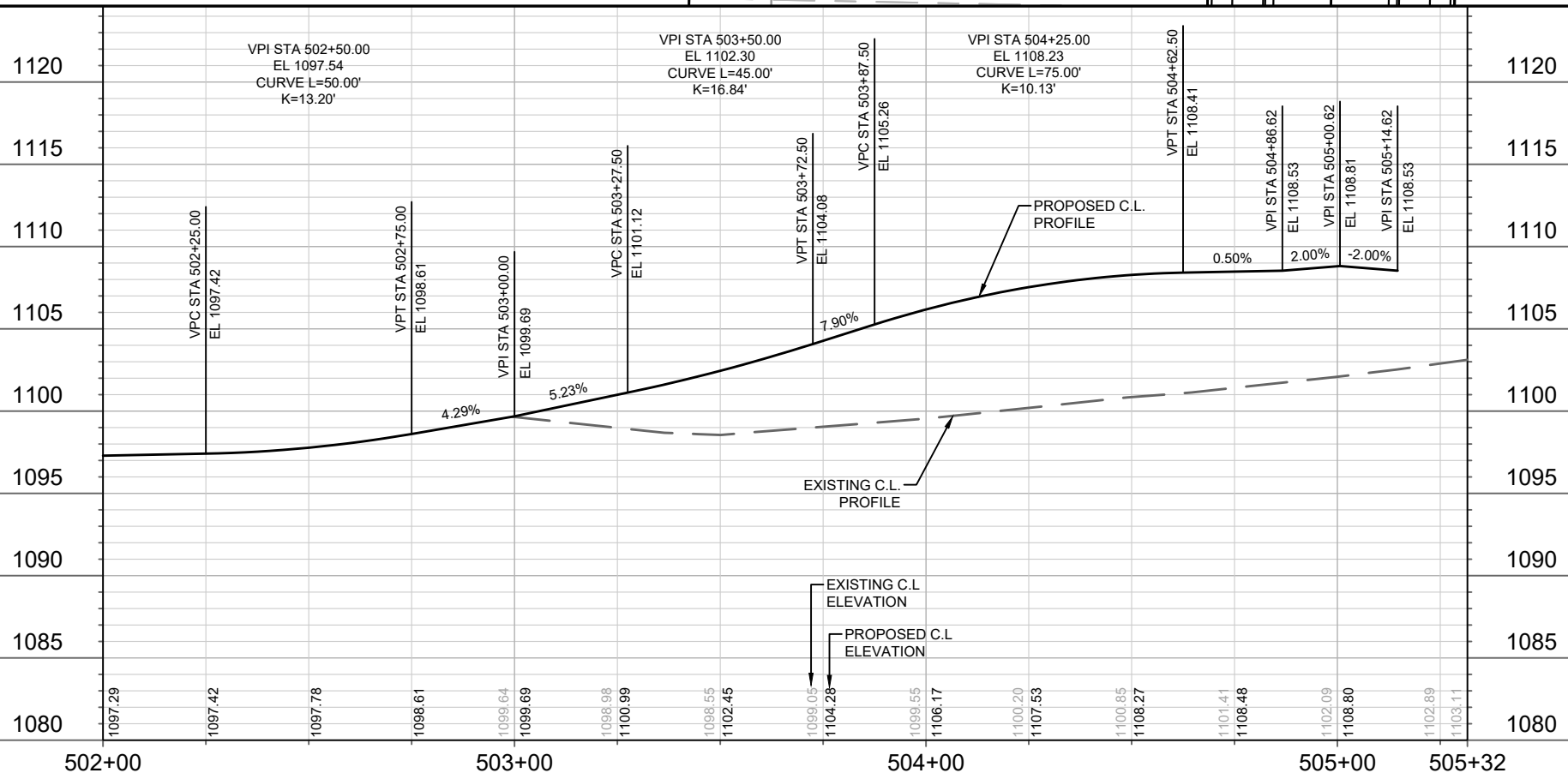


LEGEND

- ← 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.

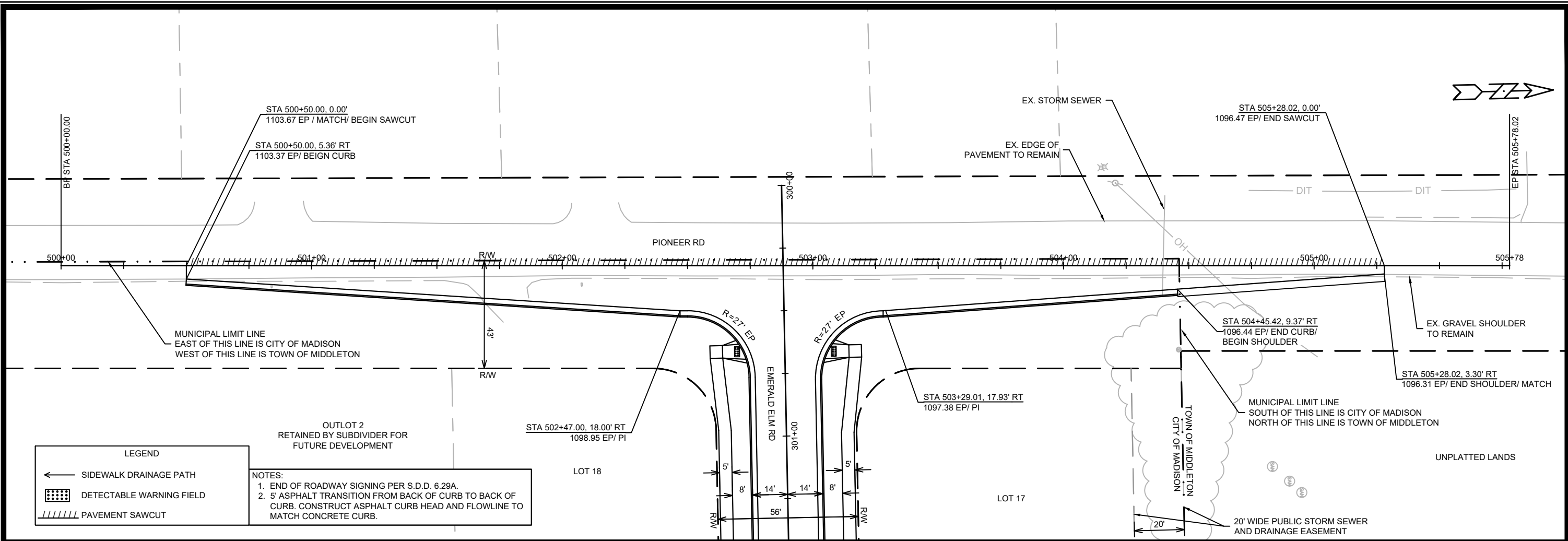


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 MADISON, WI
 CONTRACT NO: 9126

PLAN & PROFILE - HYDRANGEA ROAD
 WESTWIND
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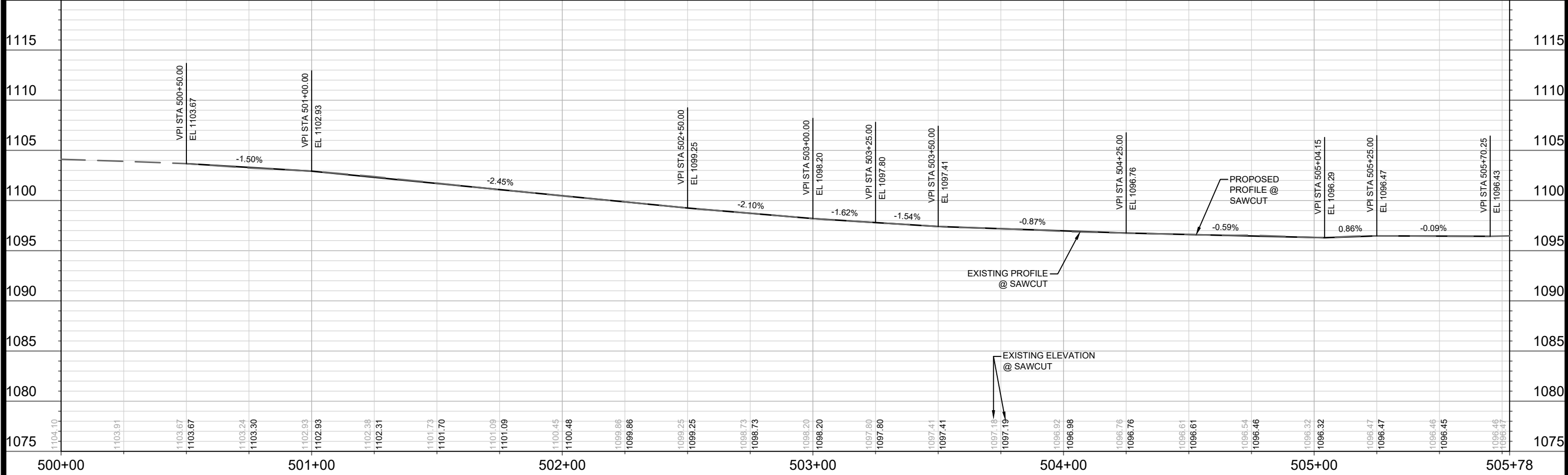


LEGEND

- ← 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.

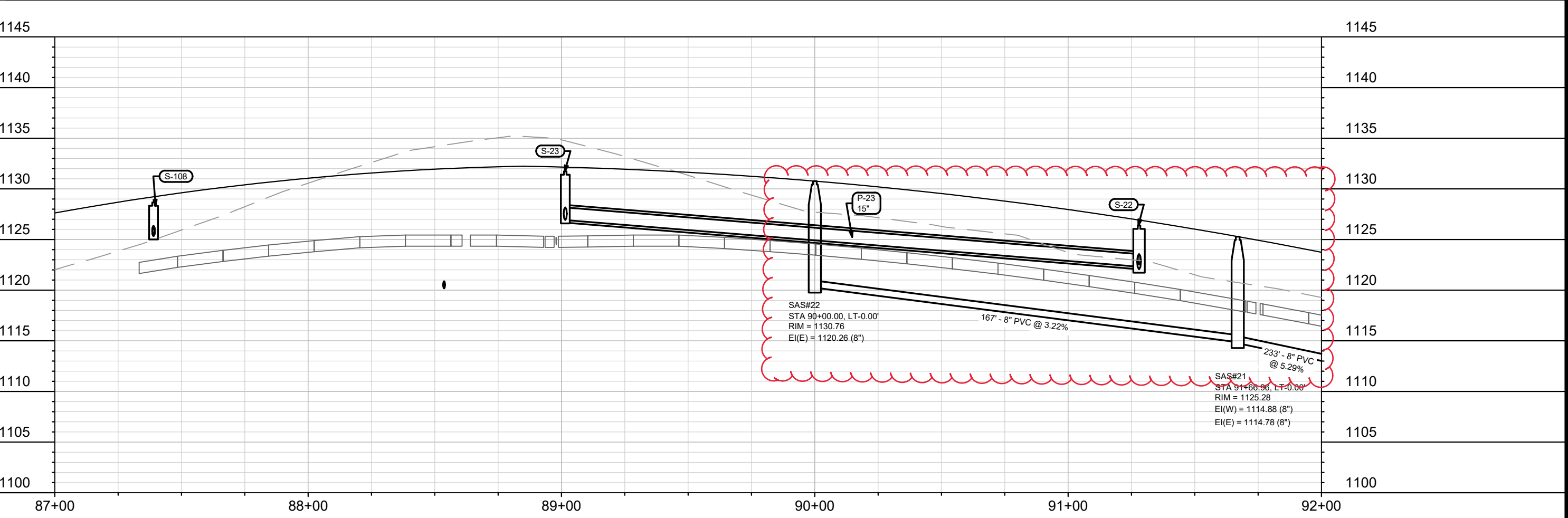
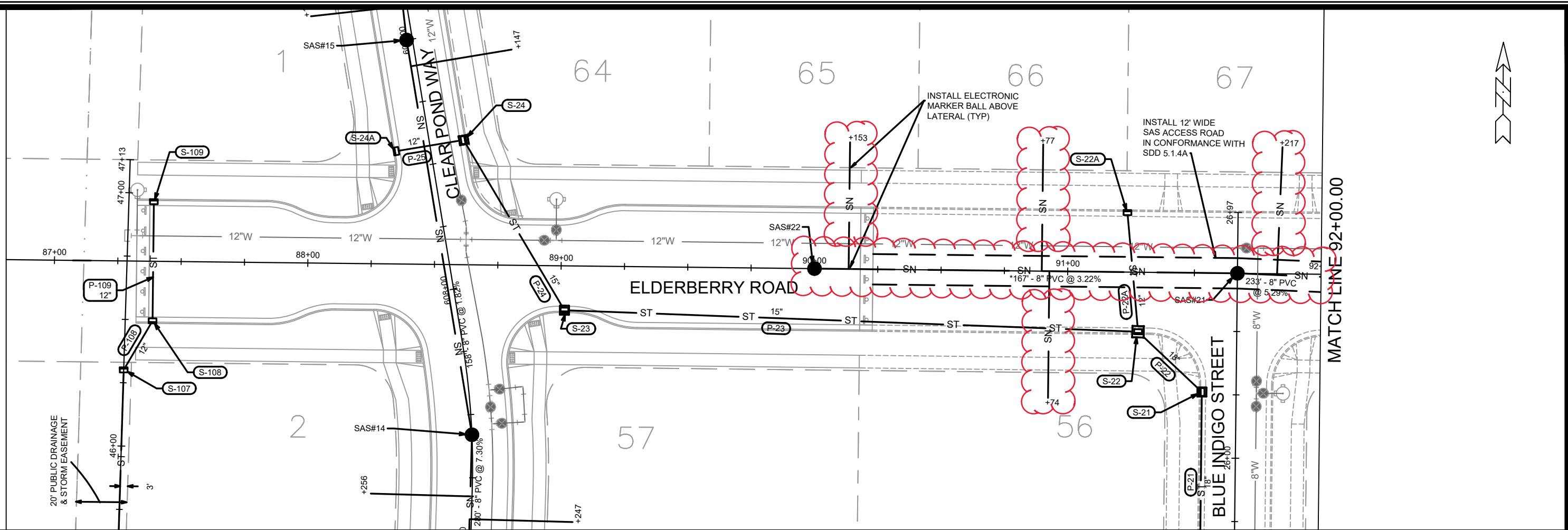


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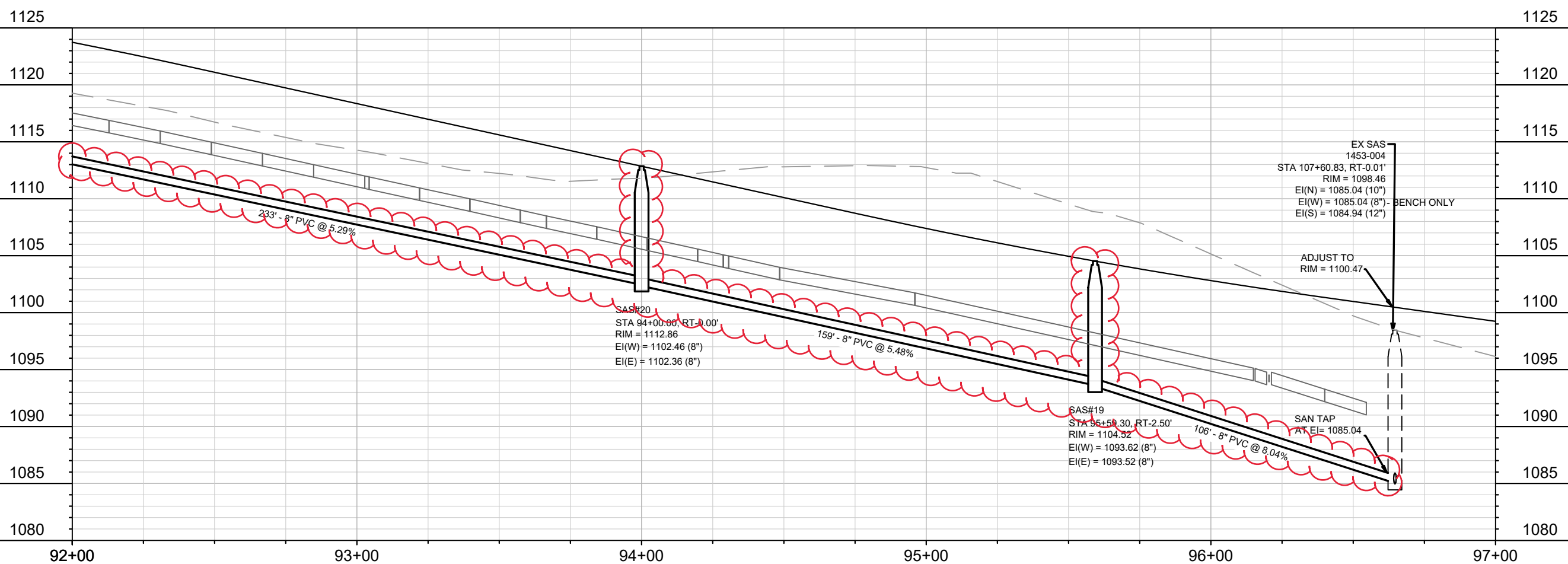
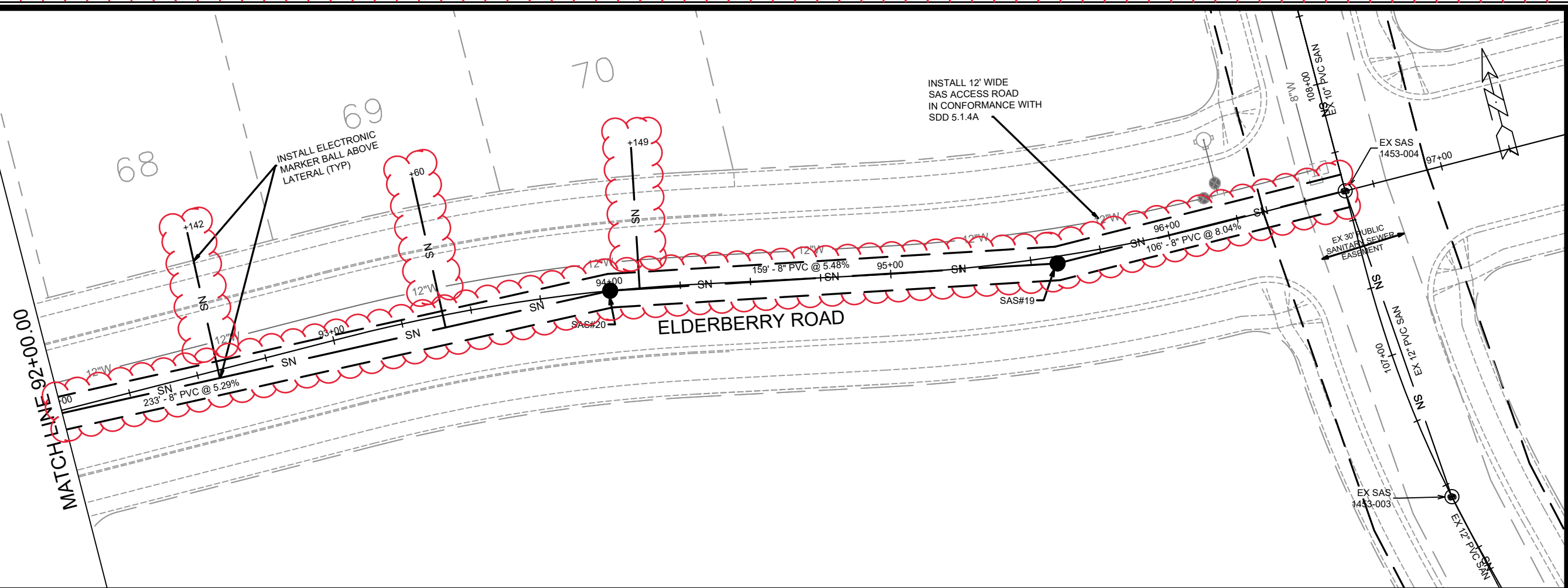
13910
 MADISON, WI
 CONTRACT NO: 9126

PLAN & PROFILE - PIONEER ROAD
 WESTWIND
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13910
 P-11



13910	13910	13910	U-1
MADISON, WI	9126	U-1	U-1
ELDERBERRY ROAD - UTILITIES PLAN & PROFILE			
WESTWIND			
M:\DESIGN\Projects\13910\CAD\Sewers\13910SWR-PipeNetwork.dwg			
13910			
U-1			

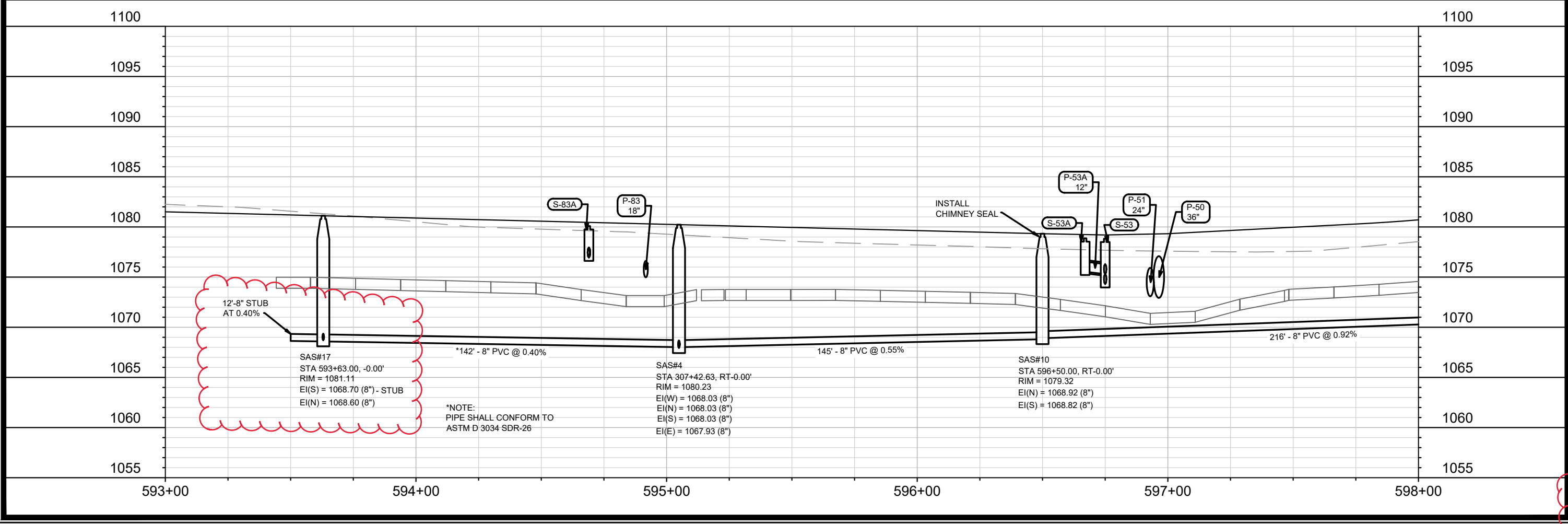
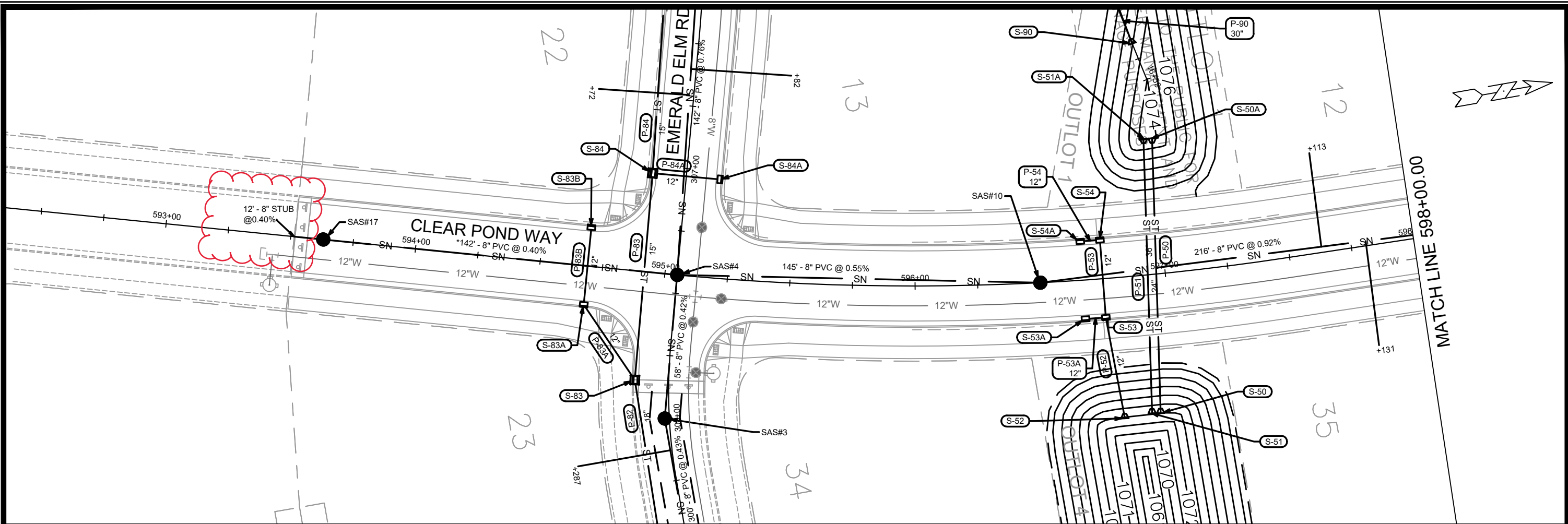


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Scale: 1" = 40'			

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 MADISON, WI
 CONTRACT NO: 9126

ELDERBERRY ROAD - UTILITIES PLAN & PROFILE
 WESTWIND
 M:\DESIGN\Projects\13910\CAD\Sewers\13910SWR-PipeNetwork.dwg

13910
 U-2



12'-8" STUB
AT 0.40%

SAS#17
STA 593+63.00, -0.00'
RIM = 1081.11
EI(S) = 1068.70 (8") - STUB
EI(N) = 1068.60 (8")

*NOTE:
PIPE SHALL CONFORM TO
ASTM D 3034 SDR-26

SAS#4
STA 307+42.63, RT-0.00'
RIM = 1080.23
EI(W) = 1068.03 (8")
EI(N) = 1068.03 (8")
EI(S) = 1068.03 (8")
EI(E) = 1067.93 (8")

SAS#10
STA 596+50.00, RT-0.00'
RIM = 1079.32
EI(N) = 1068.92 (8")
EI(S) = 1068.82 (8")

MARK	REVISION	DATE	BY
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13910
MADISON, WI
CONTRACT NO: 9126

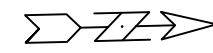
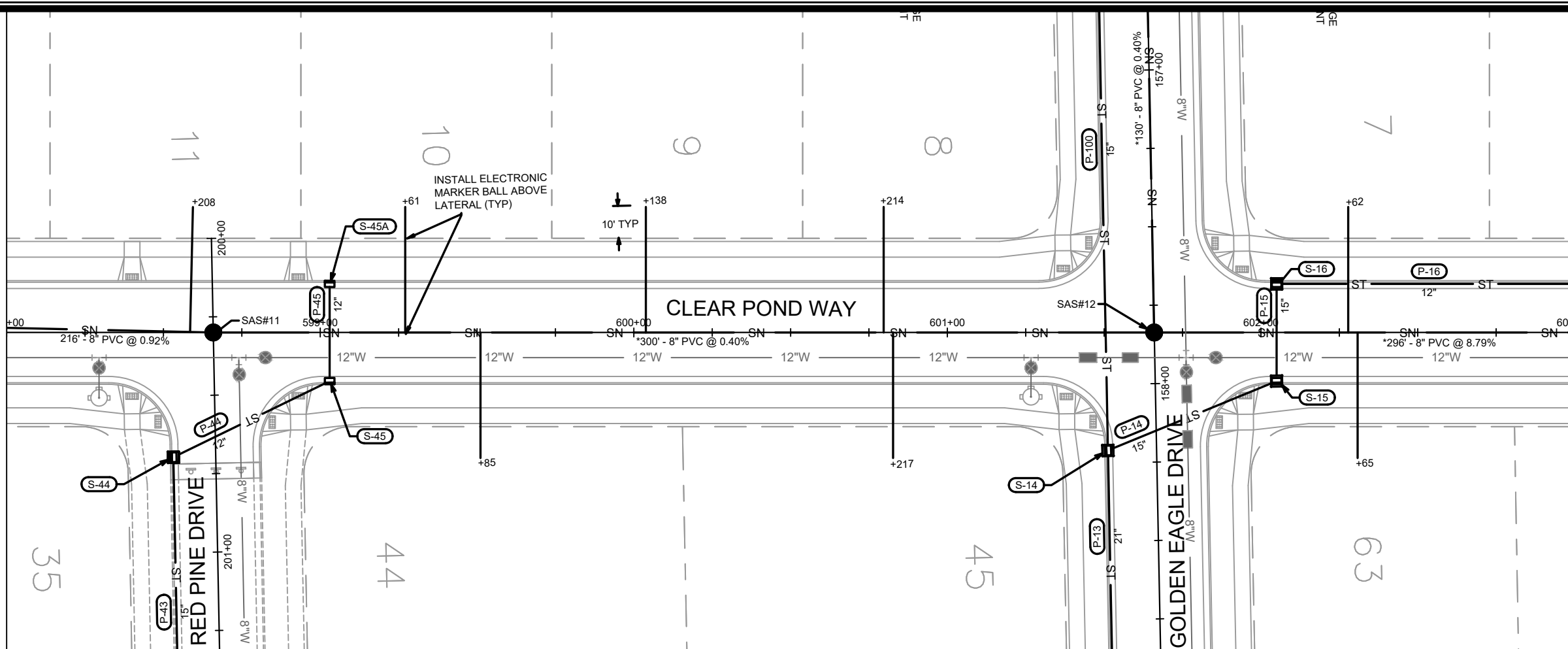
CLEAR POND WAY - UTILITIES PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\13910\CAD\Sewers\13910SWR-PipeNetwork.dwg



13910
U-3

MATCH LINE 598+00.00

MATCH LINE 603+00.00



1105

1105

1100

1100

1095

1095

1090

1090

1085

1085

1080

1080

1075

1075

1070

1070

1065

1065

1060

1060

598+00

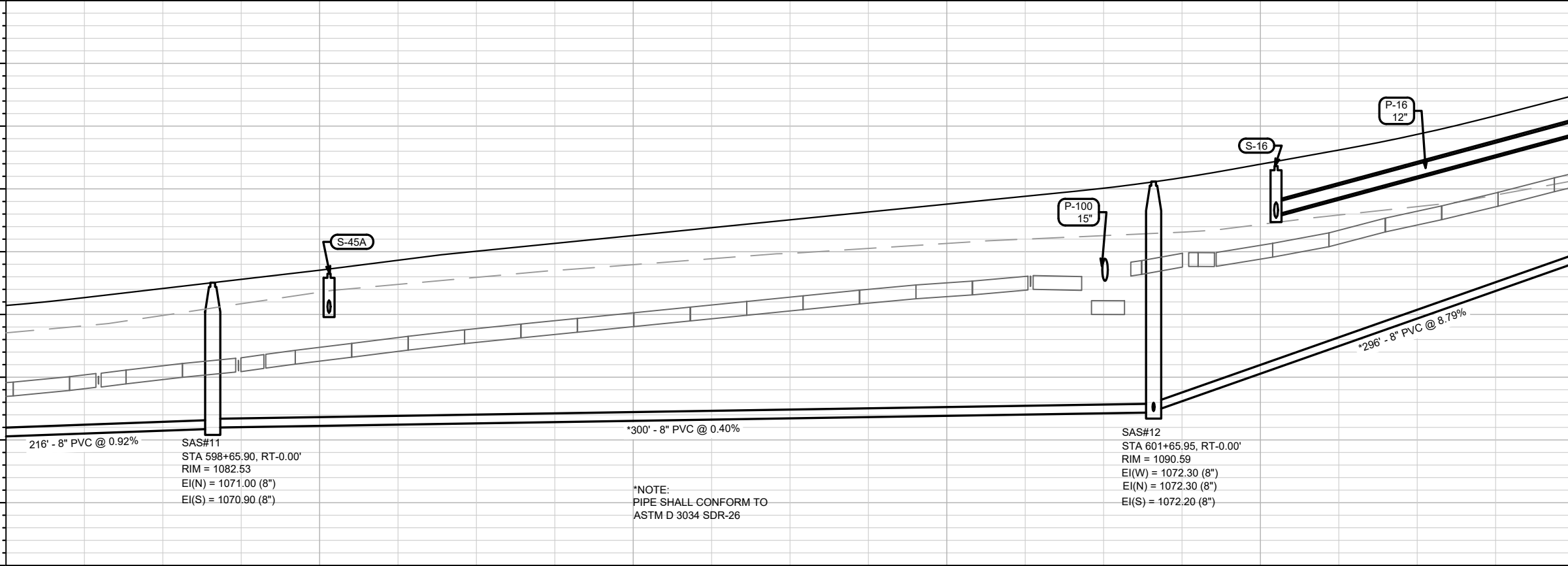
599+00

600+00

601+00

602+00

603+00



SAS#11
 STA 598+65.90, RT-0.00'
 RIM = 1082.53
 EI(N) = 1071.00 (8")
 EI(S) = 1070.90 (8")

*NOTE:
 PIPE SHALL CONFORM TO
 ASTM D 3034 SDR-26

SAS#12
 STA 601+65.95, RT-0.00'
 RIM = 1090.59
 EI(W) = 1072.30 (8")
 EI(N) = 1072.30 (8")
 EI(S) = 1072.20 (8")

CLEAR POND WAY - UTILITIES PLAN & PROFILE
 WESTWIND



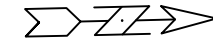
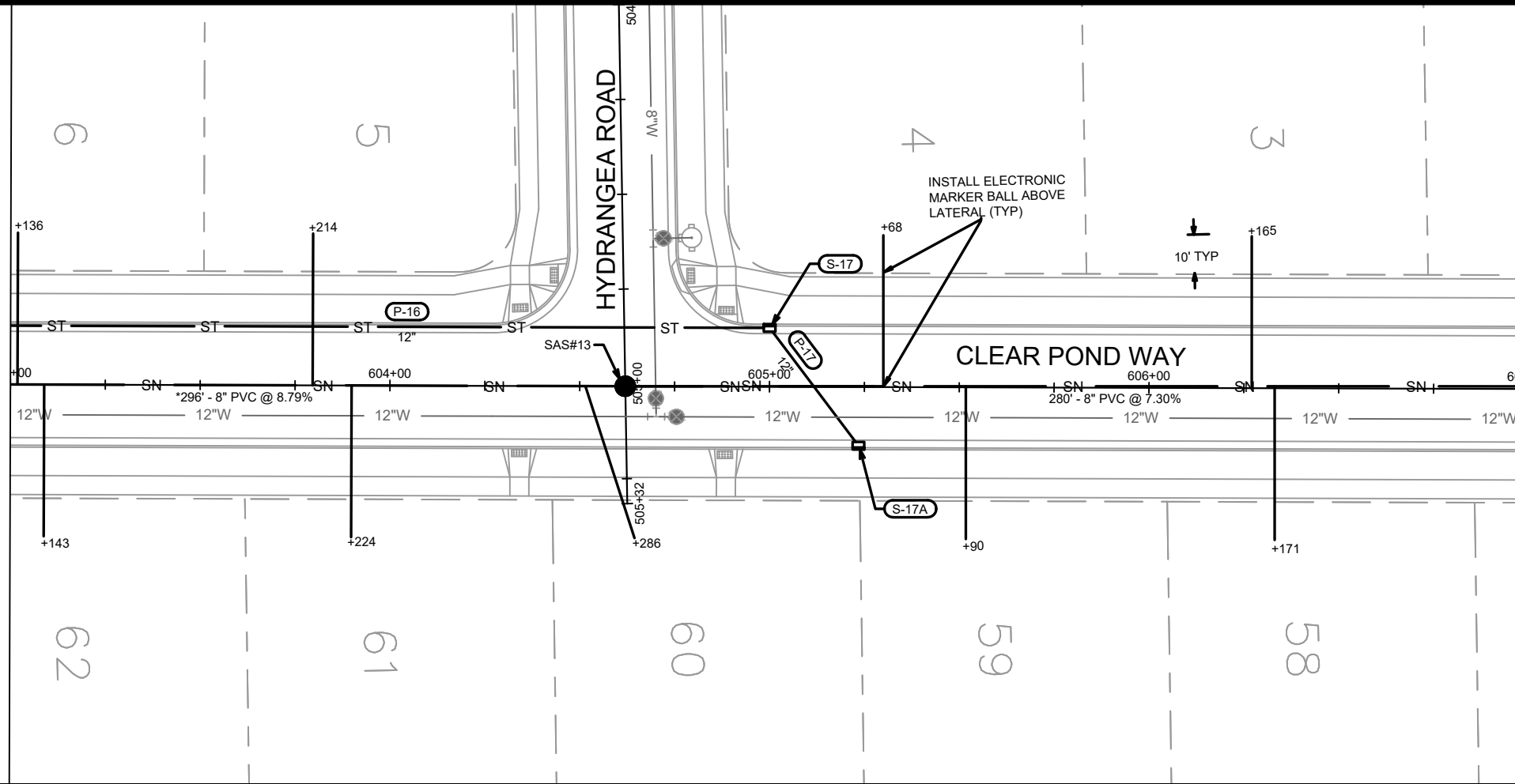
13910
 U-4

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 MADISON, WI
 CONTRACT NO: 9126

MARK	REVISION	DATE	BY
13910	7/19/2023 3:19 PM		U-4

MATCH LINE 603+00.00

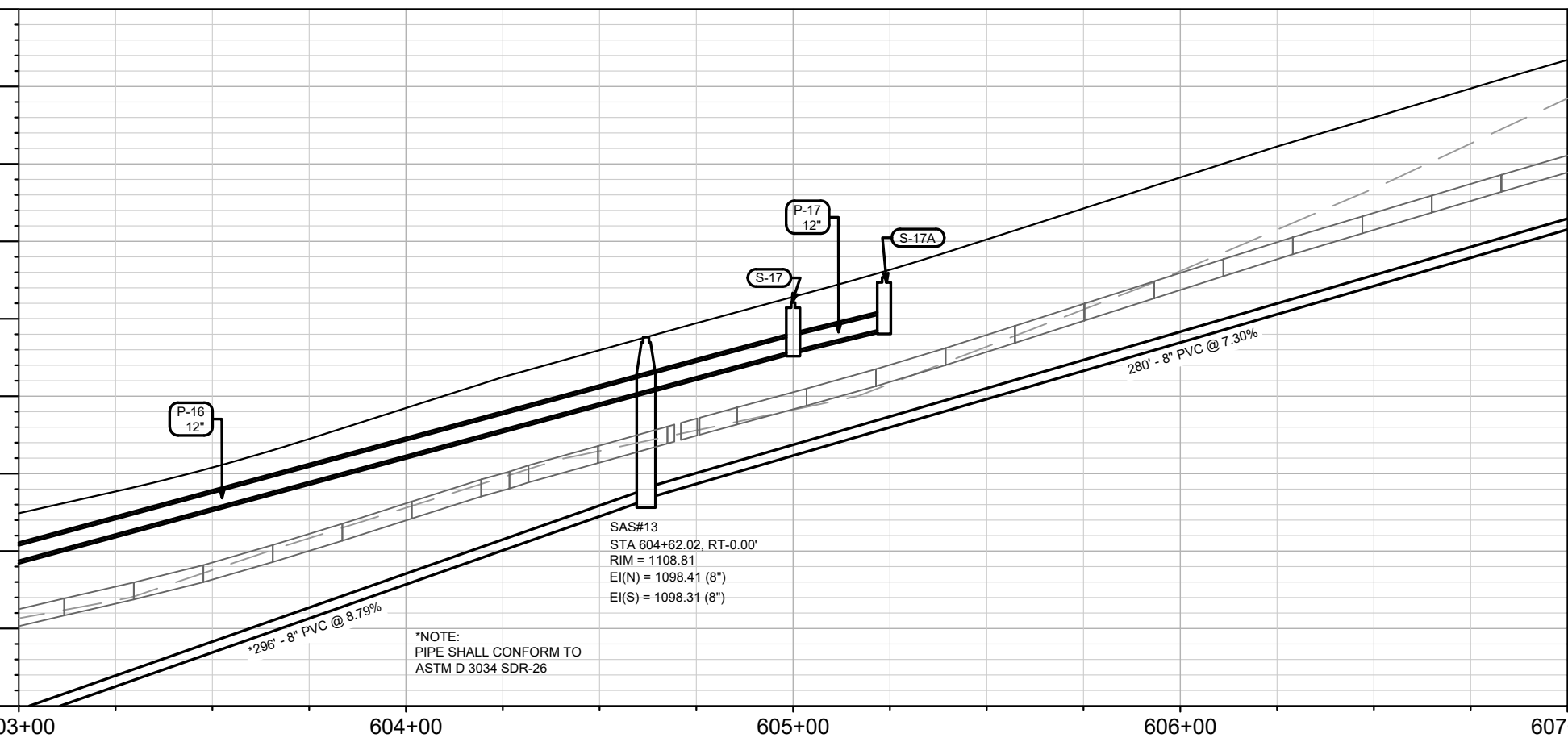
MATCH LINE 607+00.00



MARK	REVISION	DATE	BY
13910	7/19/2023	3:21 PM	U-5

13910
MADISON, WI
CONTRACT NO: 9126

1130
1125
1120
1115
1110
1105
1100
1095
1090
1085



1130
1125
1120
1115
1110
1105
1100
1095
1090
1085

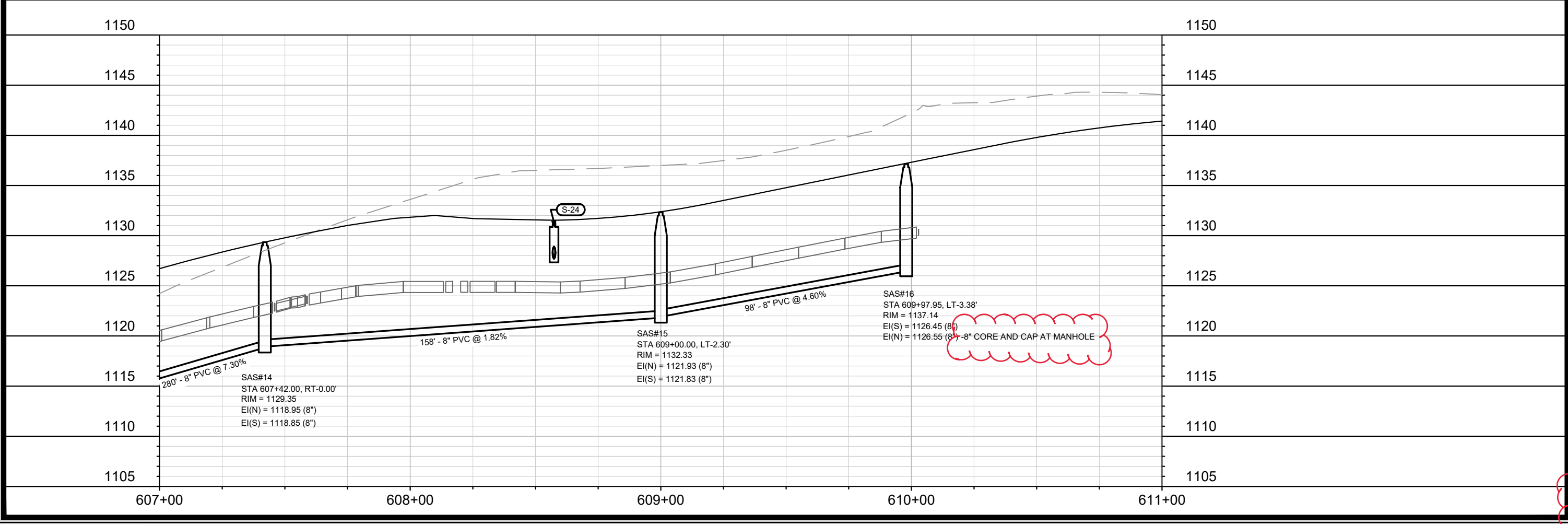
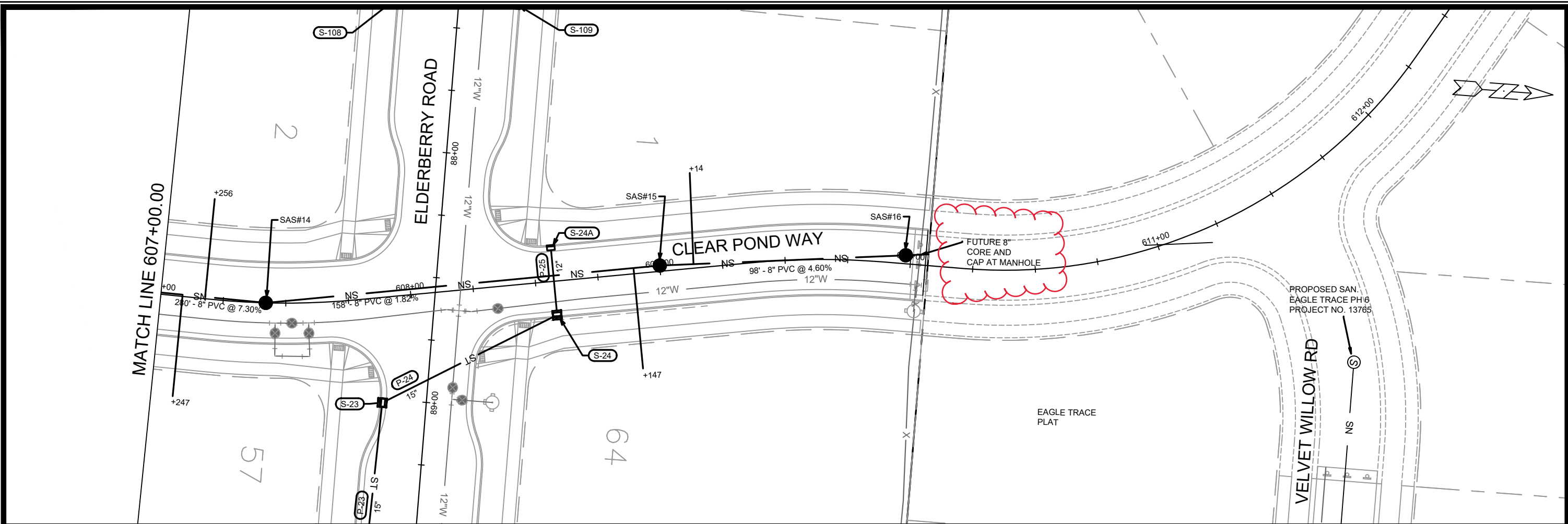
SAS#13
STA 604+62.02, RT-0.00'
RIM = 1108.81
EI(N) = 1098.41 (8")
EI(S) = 1098.31 (8")

*NOTE:
PIPE SHALL CONFORM TO
ASTM D 3034 SDR-26

CLEAR POND WAY - UTILITIES PLAN & PROFILE



13910
U-5



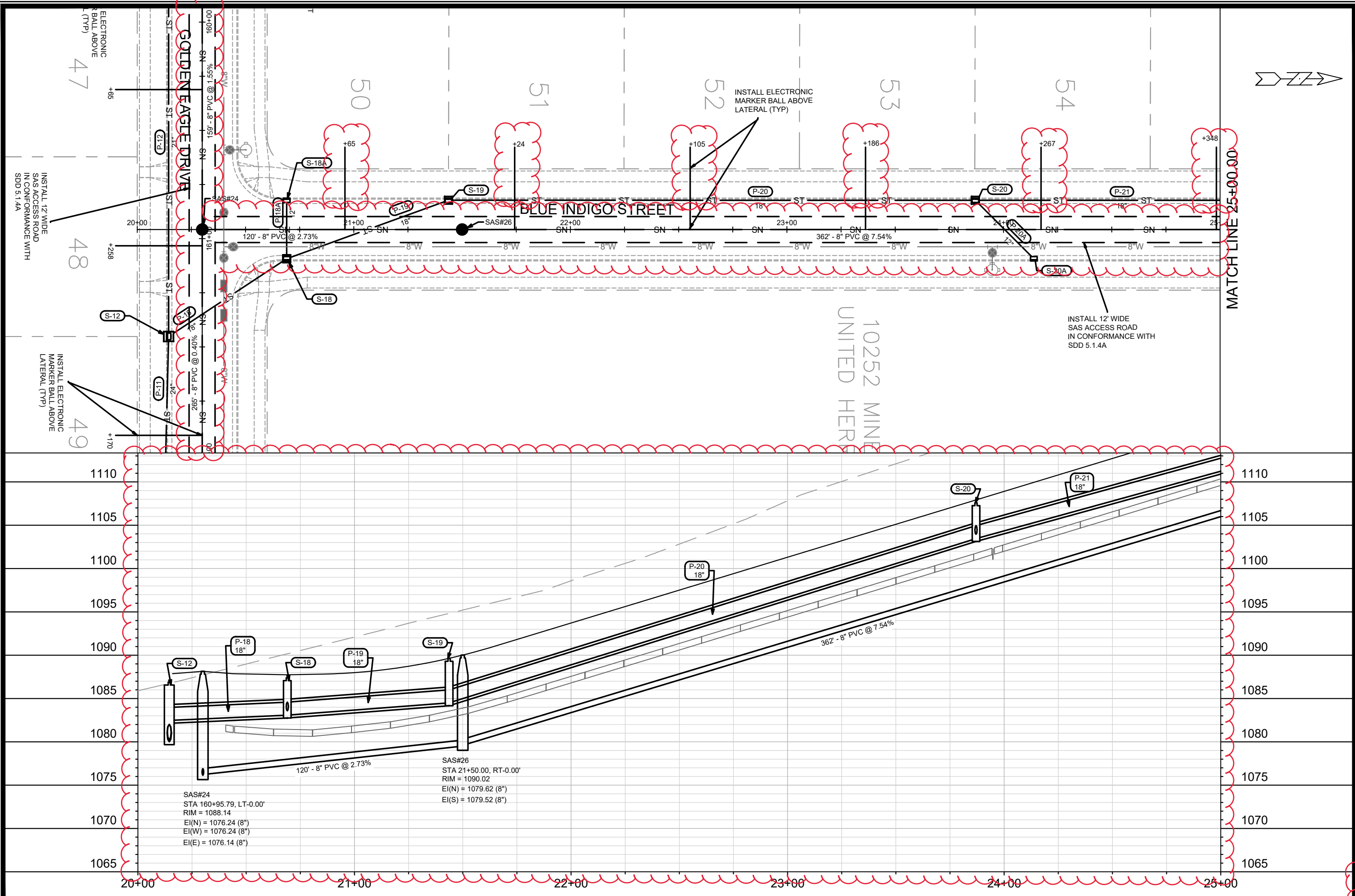
MARK	REVISION	DATE	BY
13910	13910	8/22/2023 2:13 PM	U-6

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MADISON, WI
CONTRACT NO: 9126

CLEAR POND WAY - UTILITIES PLAN & PROFILE
WESTWIND
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13910
U-6



SAS#24
 STA 160+95.79, LT-0.00'
 RIM = 1088.14
 EI(N) = 1076.24 (8")
 EI(W) = 1076.24 (8")
 EI(E) = 1076.14 (8")

SAS#26
 STA 21+50.00, RT-0.00'
 RIM = 1090.02
 EI(N) = 1079.62 (8")
 EI(S) = 1079.52 (8")

MARK	REVISION	DATE	BY
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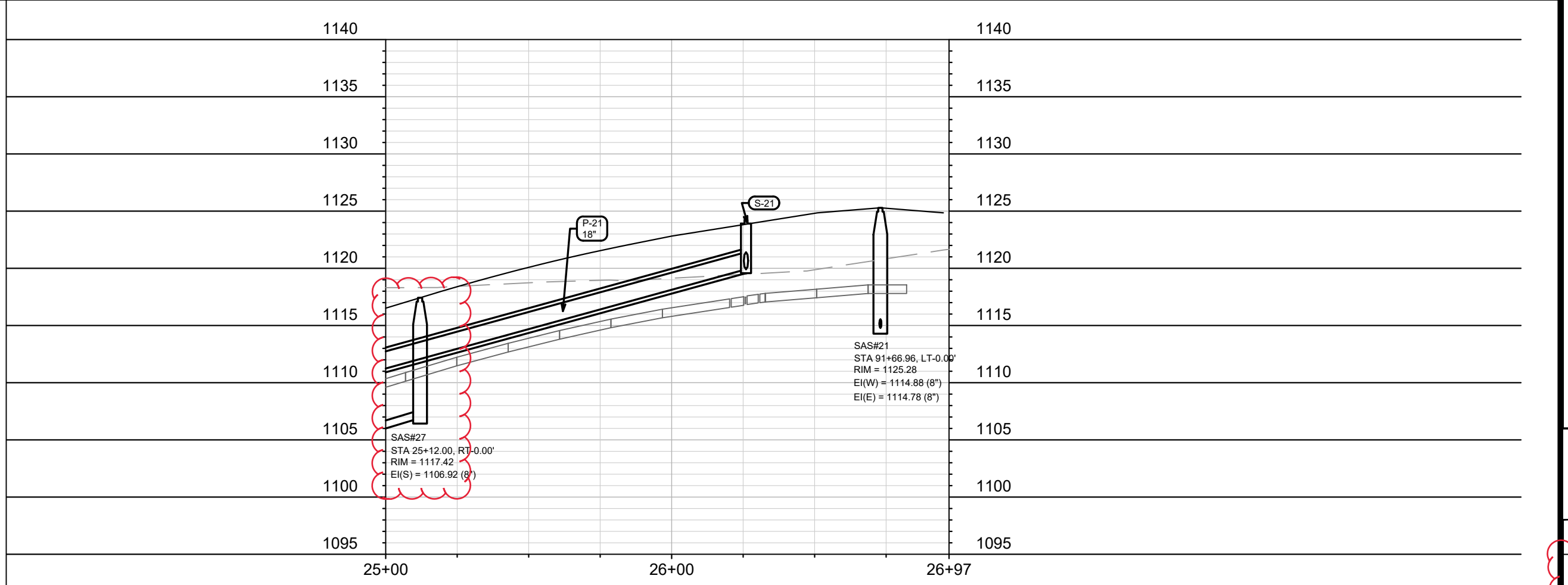
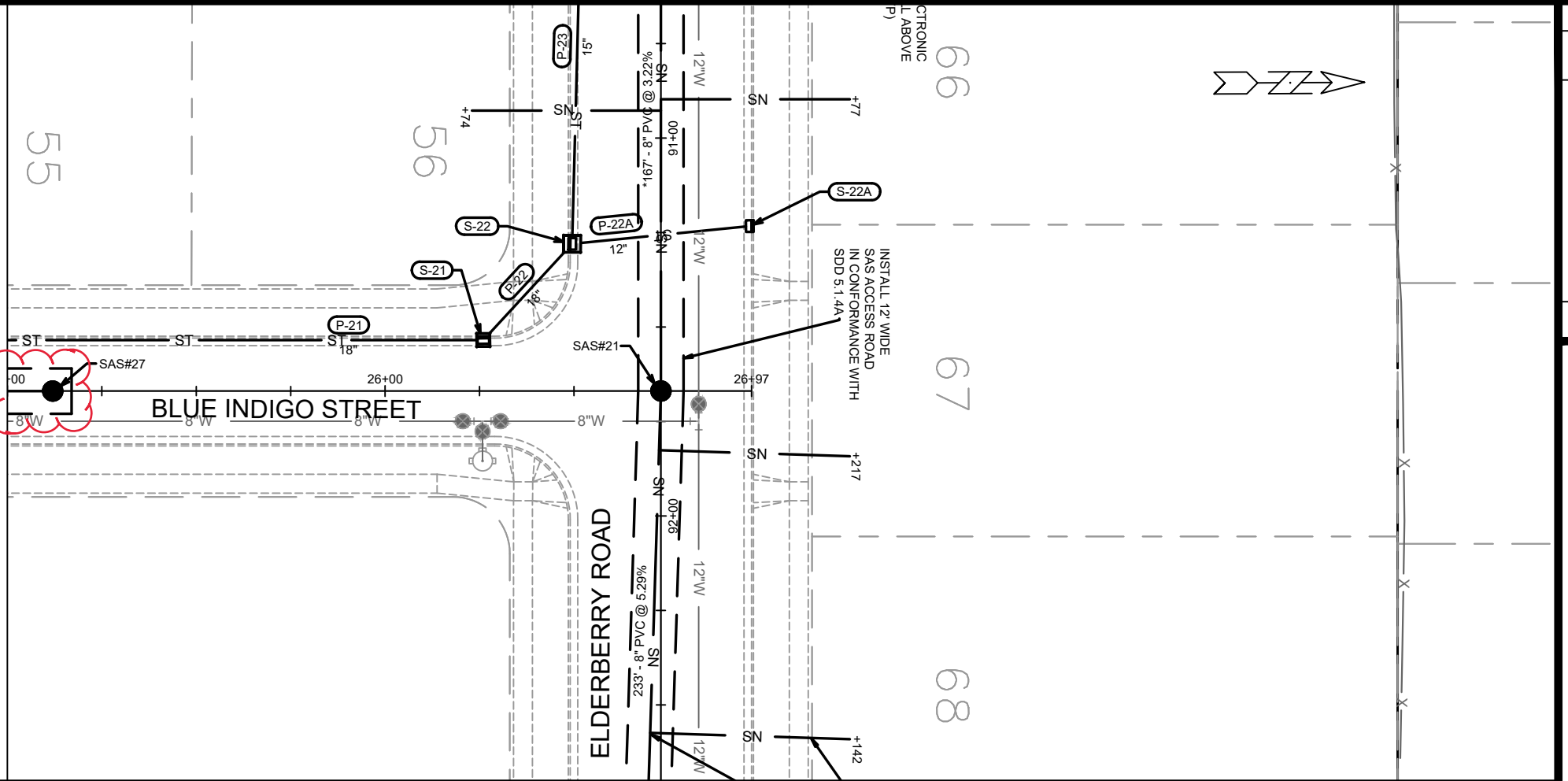
13910
 MADISON, WI
 CONTRACT NO: 9126

BLUE INDIGO STREET - UTILITIES PLAN & PROFILE
 WESTWIND
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13910
 U-7

MATCH LINE 25+00.00



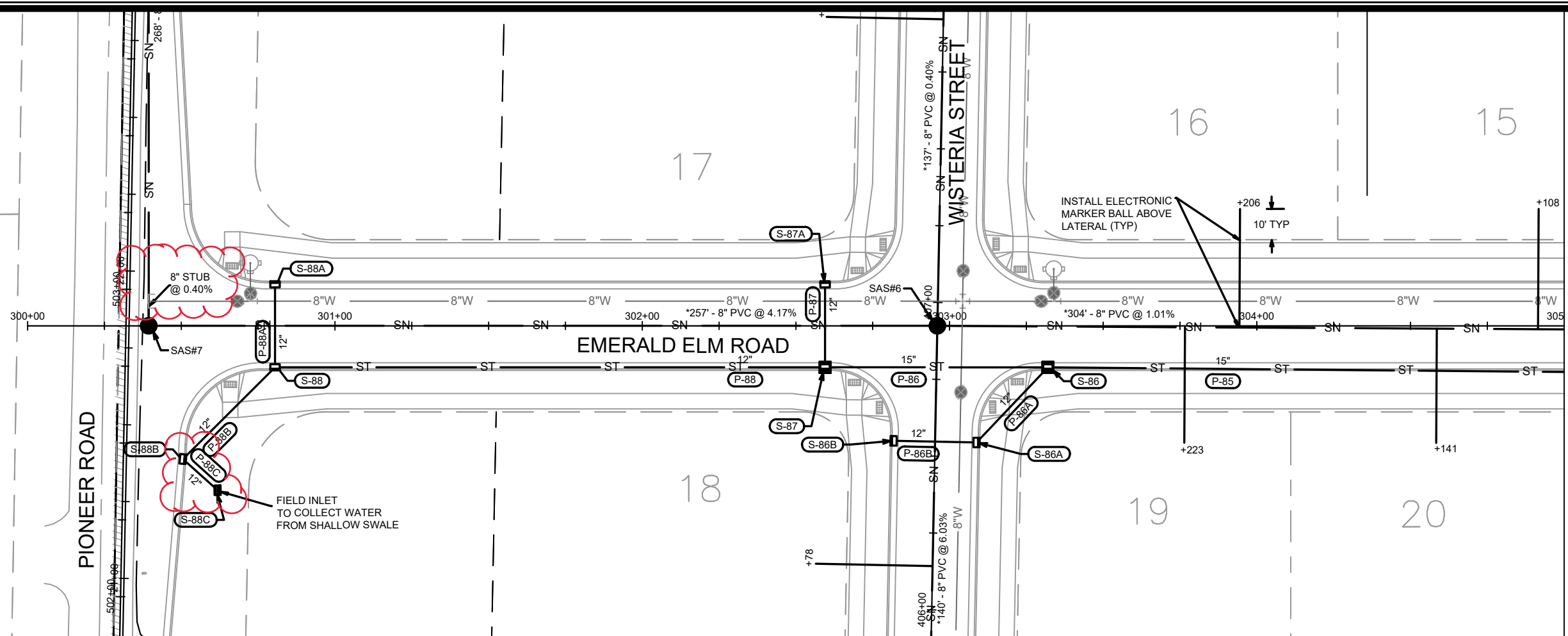
MARK	REVISION	DATE	BY

13910
MADISON, WI
9126
CONTRACT NO:

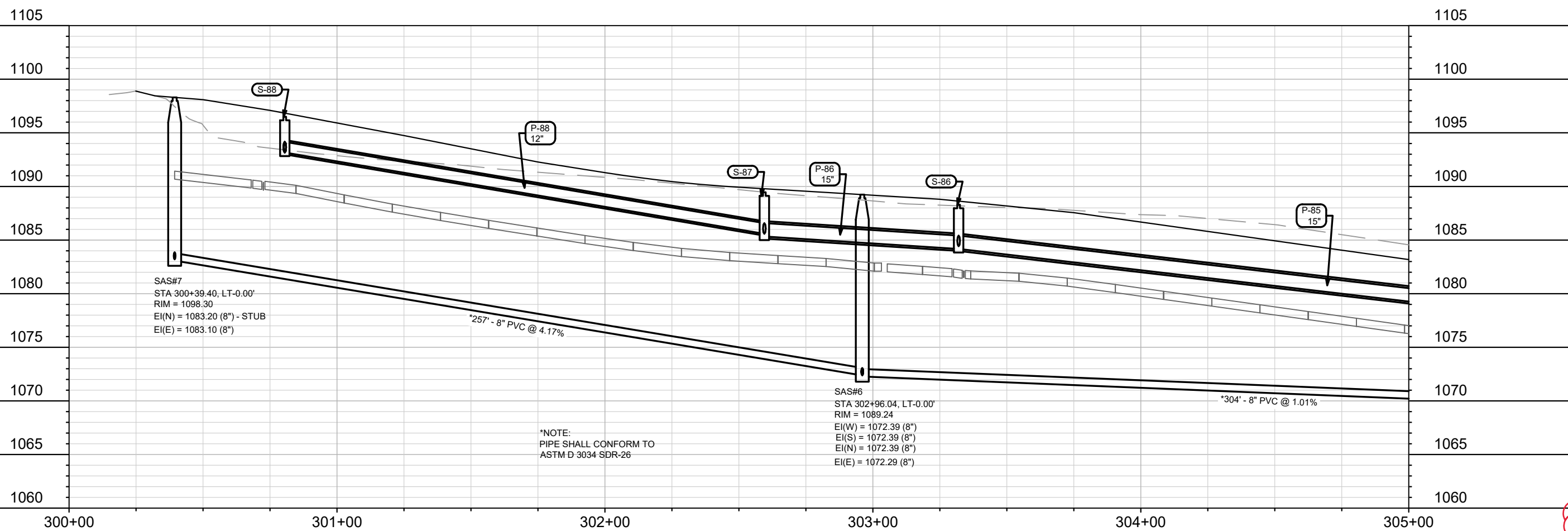
BLUE INDIGO STREET - UTILITIES PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\13910\CAD\sewers\13910SWR-PipeNetwork.dwg



13910
U-8



MATCH LINE 305+00.00



SAS#7
 STA 300+39.40, LT-0.00'
 RIM = 1098.30
 EI(N) = 1083.20 (8") - STUB
 EI(E) = 1083.10 (8")

*NOTE:
 PIPE SHALL CONFORM TO
 ASTM D 3034 SDR-26

SAS#6
 STA 302+96.04, LT-0.00'
 RIM = 1089.24
 EI(W) = 1072.39 (8")
 EI(S) = 1072.39 (8")
 EI(N) = 1072.39 (8")
 EI(E) = 1072.29 (8")

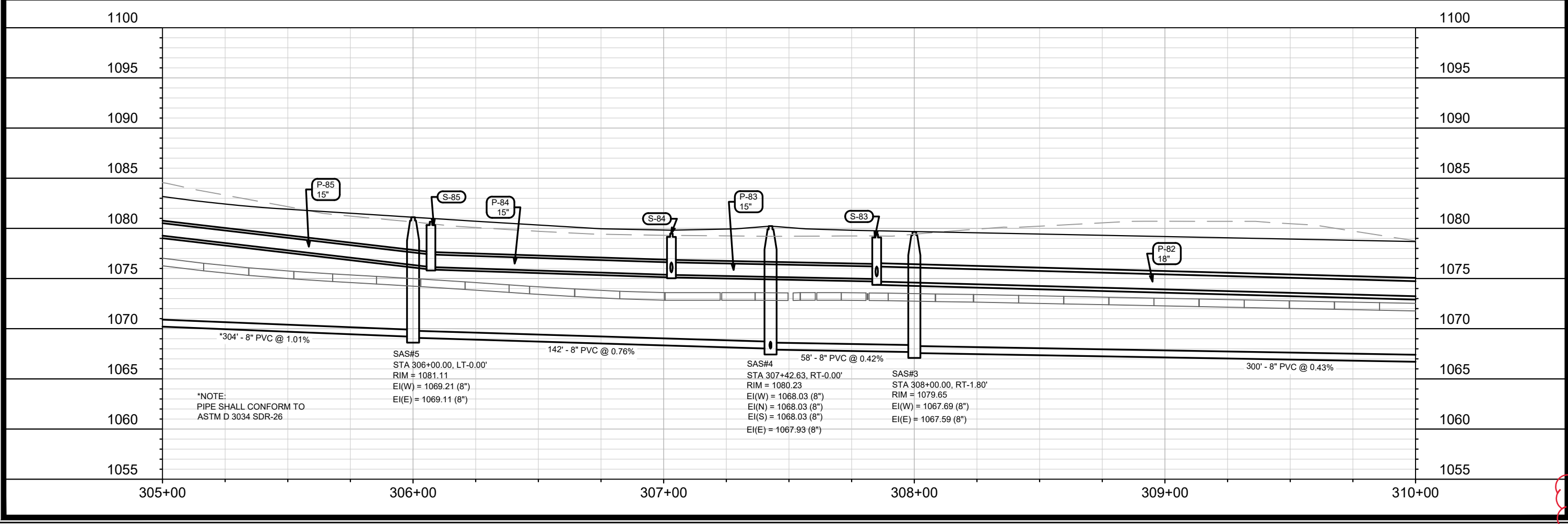
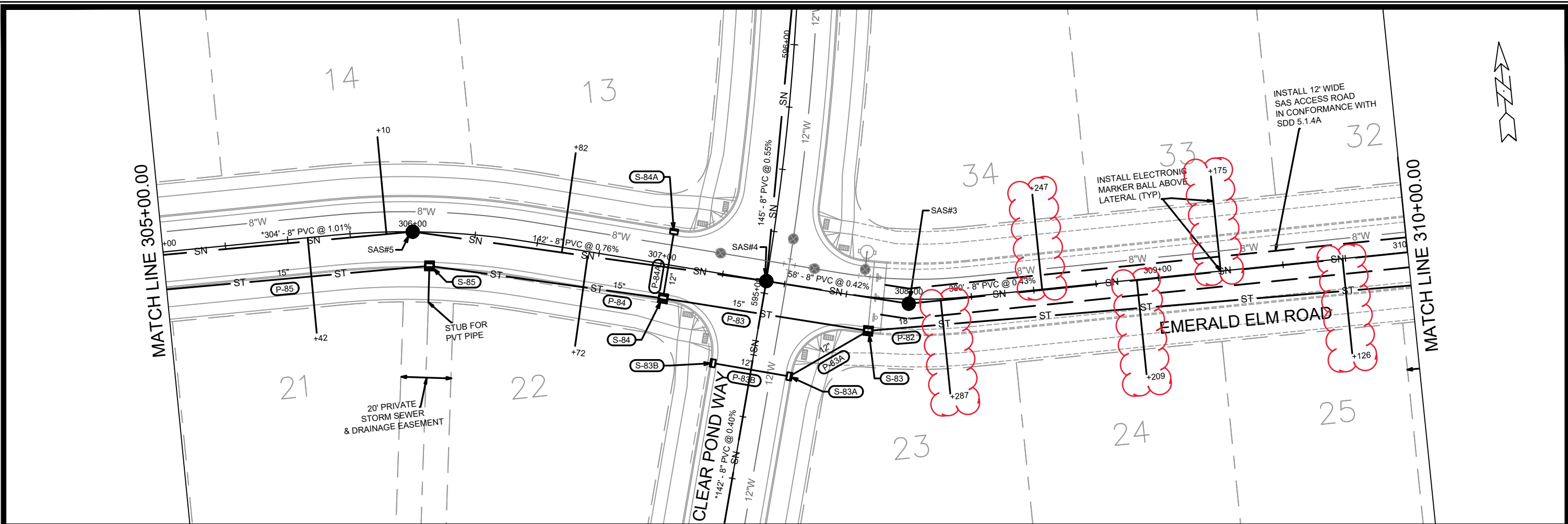
MARK	REVISION	DATE	BY
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13910
 MADISON, WI
 CONTRACT NO: 9126

EMERALD ELM ROAD - UTILITIES PLAN & PROFILE
 WESTWIND
 M:\DESIGN\Projects\13910\CAD\Sewers\13910SWR-PipeNetwork.dwg



13910
 U-9



*NOTE:
PIPE SHALL CONFORM TO
ASTM D 3034 SDR-26

SAS#5
STA 306+00.00, LT-0.00'
RIM = 1081.11
EI(W) = 1069.21 (8")
EI(E) = 1069.11 (8")

SAS#4
STA 307+42.63, RT-0.00'
RIM = 1080.23
EI(W) = 1068.03 (8")
EI(N) = 1068.03 (8")
EI(S) = 1068.03 (8")
EI(E) = 1067.93 (8")

SAS#3
STA 308+00.00, RT-1.80'
RIM = 1079.65
EI(W) = 1067.69 (8")
EI(E) = 1067.59 (8")

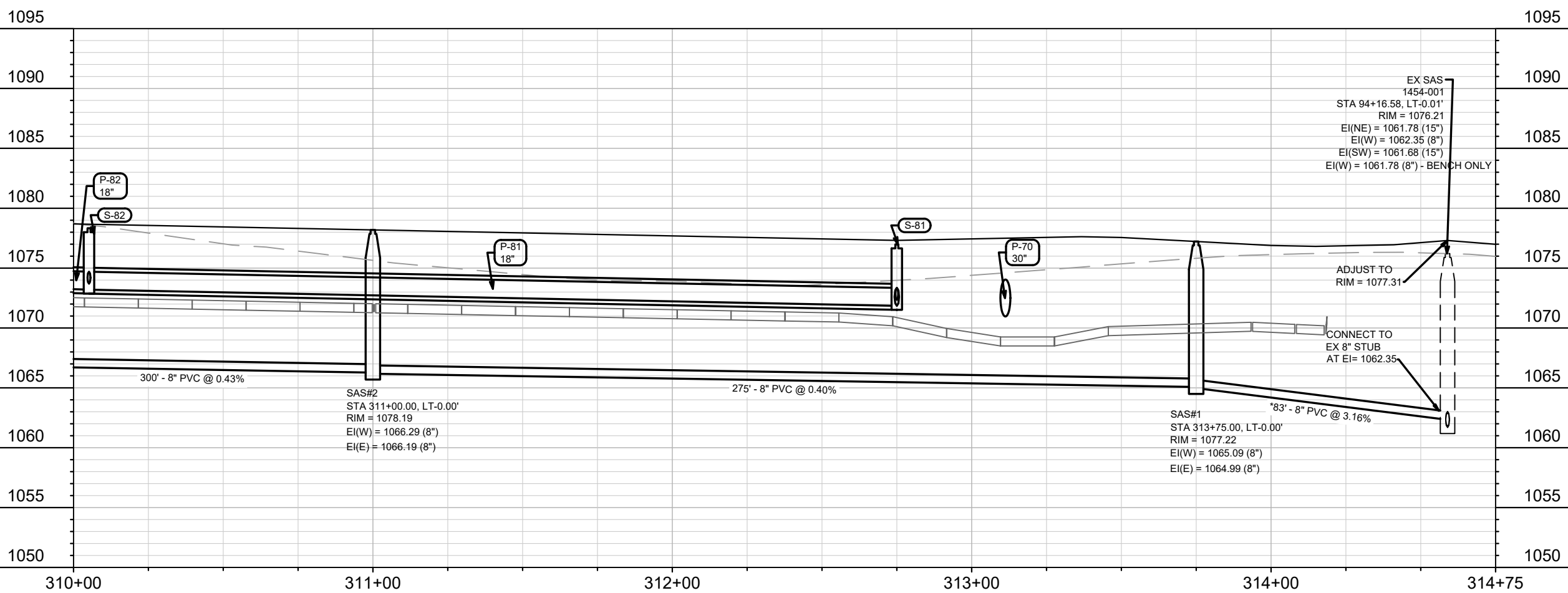
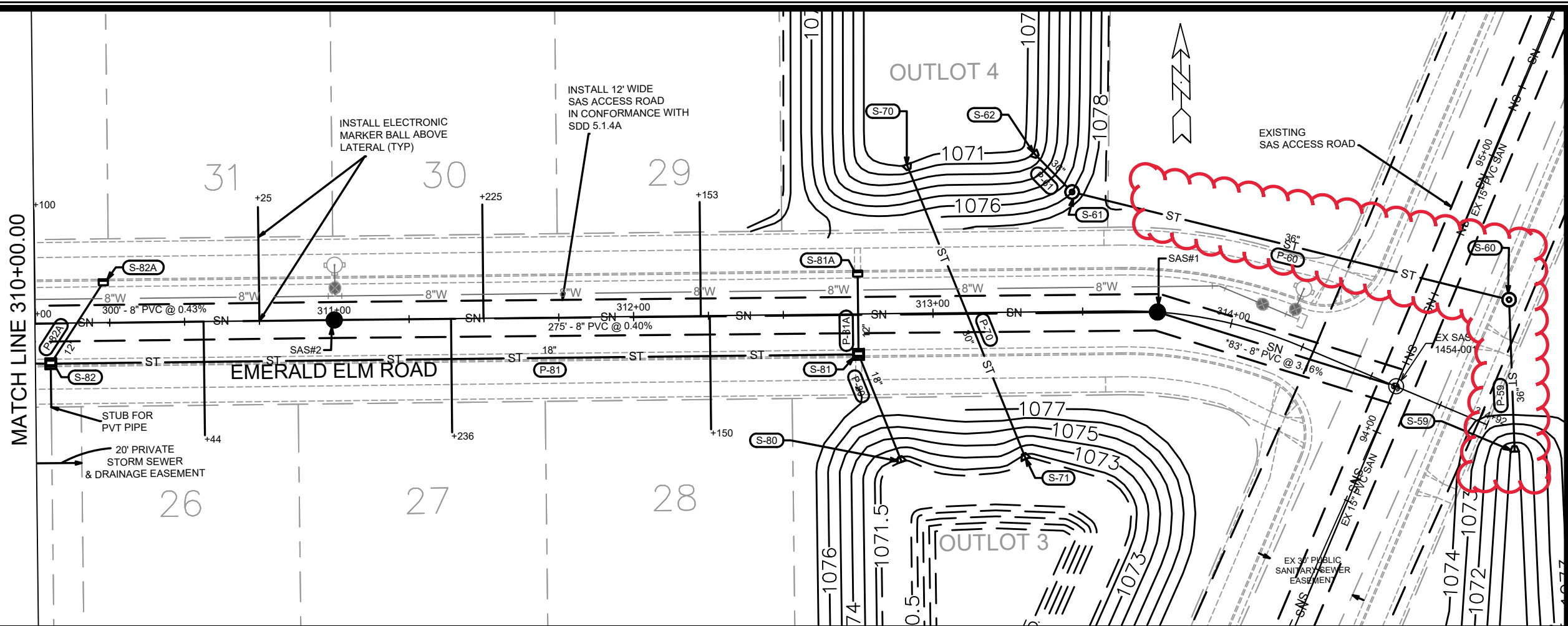
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MADISON, WI
CONTRACT NO: 9126

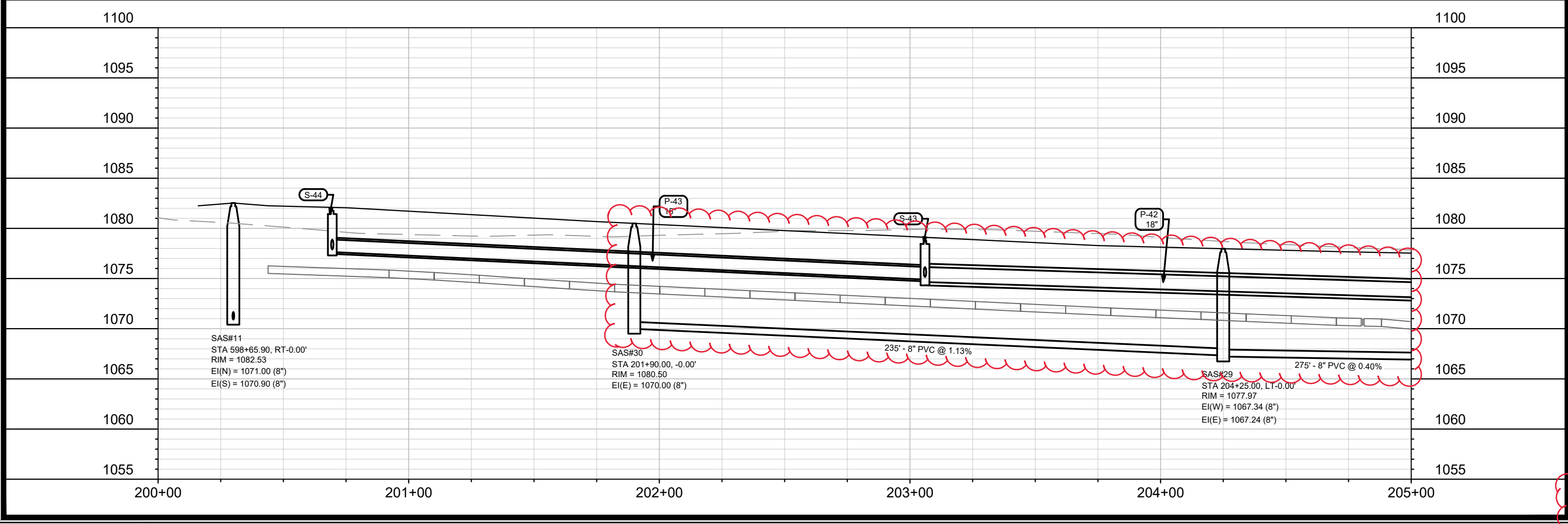
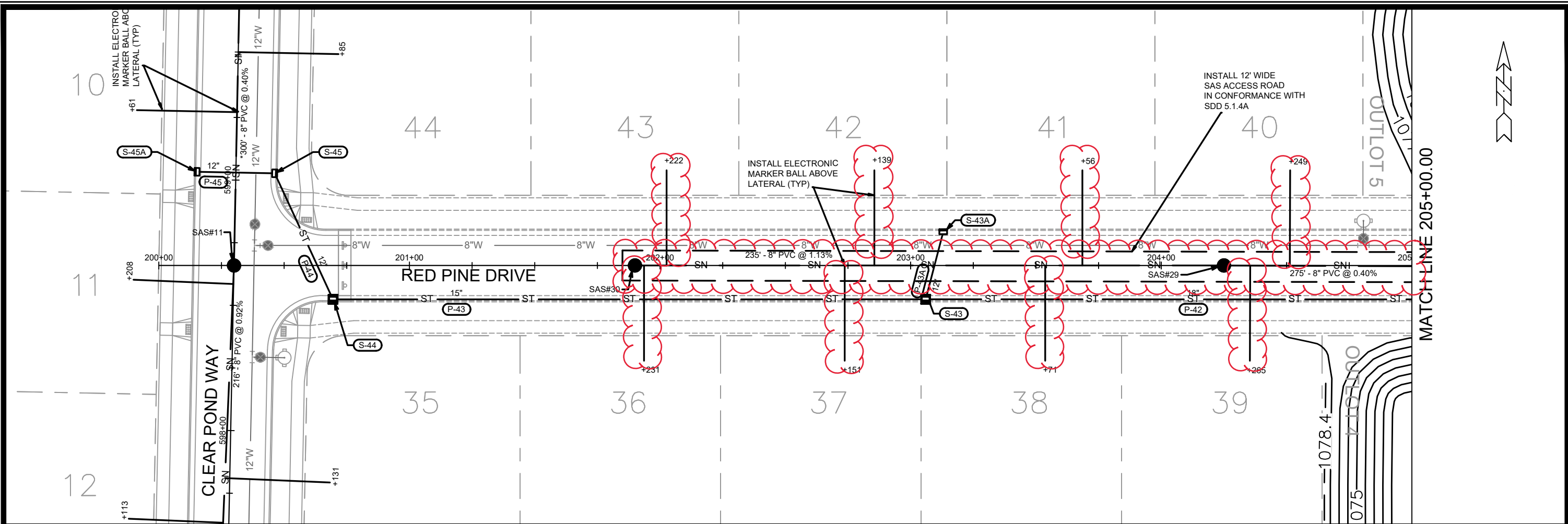
EMERALD ELM ROAD - UTILITIES PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\13910\CAD\Sewers\13910SWR-PipeNetwork.dwg



13910
U-10




DATE	BY
9/25/2023	U-11
REVISION	
MARK	
DESIGNED BY: EEA	DATE: 9/25/2023 2:01 PM
SCALE: 1" = 40'	
PROJECT NO: 13910	
CITY OF MADISON, WI	
CONTRACT NO: 9126	
WESTWIND	
EMERALD ELM ROAD - UTILITIES PLAN & PROFILE	
M:\DESIGN\Projects\13910\CAD\Sewers\13910SWR-PipeNetwork.dwg	
13910	
U-11	



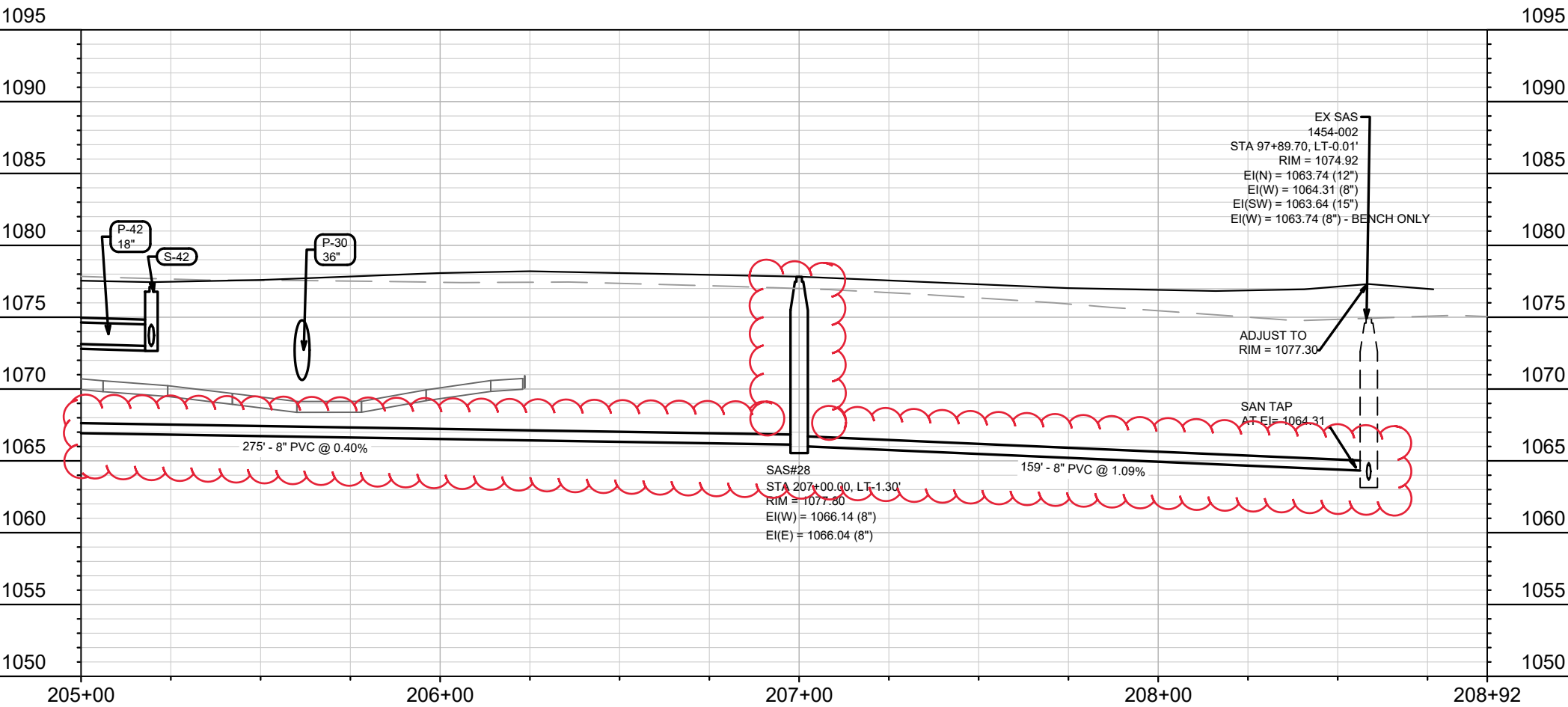
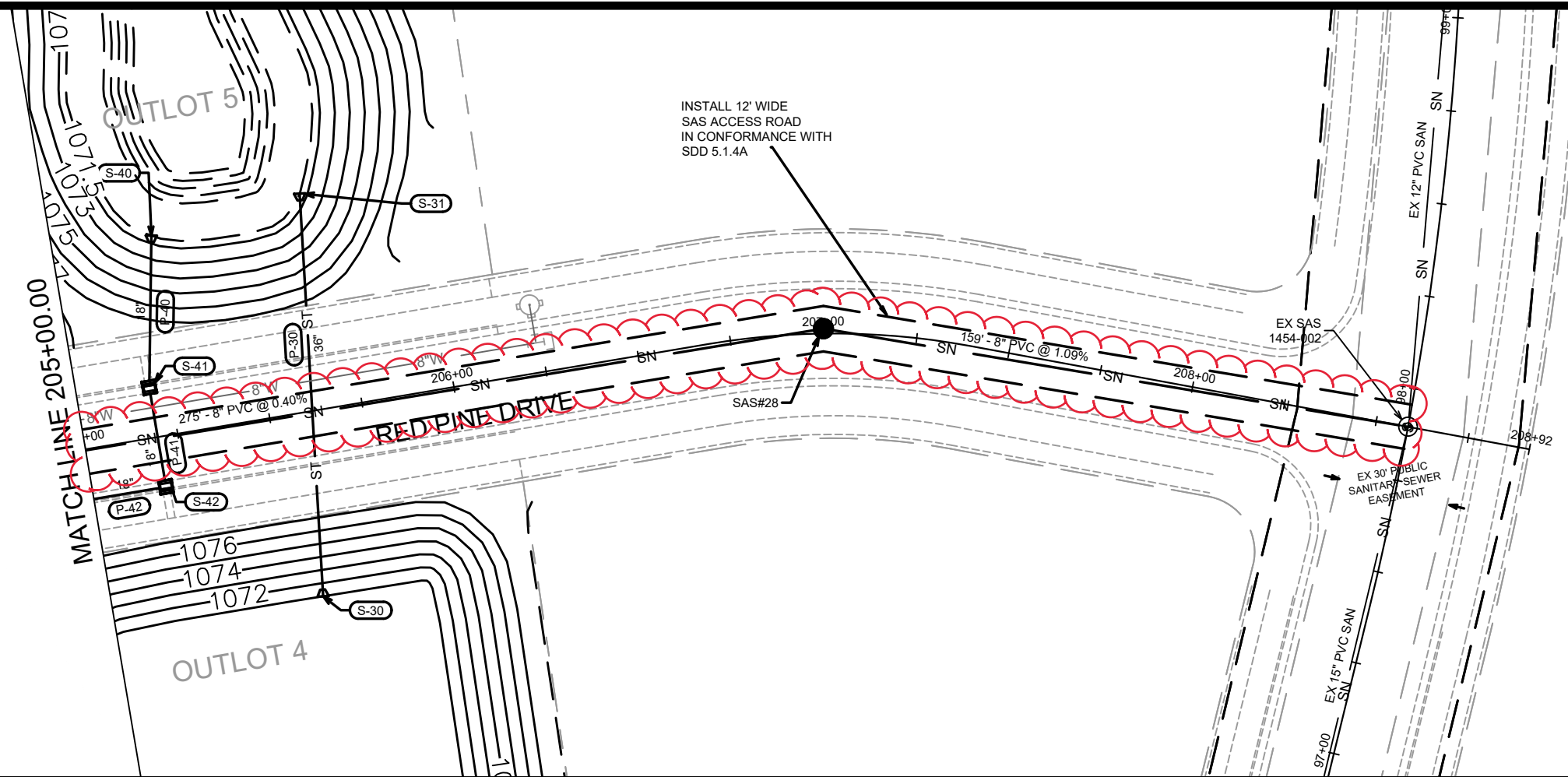
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13910	U-13	8/22/2023	3:09 PM

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MADISON, WI
CONTRACT NO: 9126

RED PINE DRIVE - UTILITIES PLAN & PROFILE
WESTWIND
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U-13



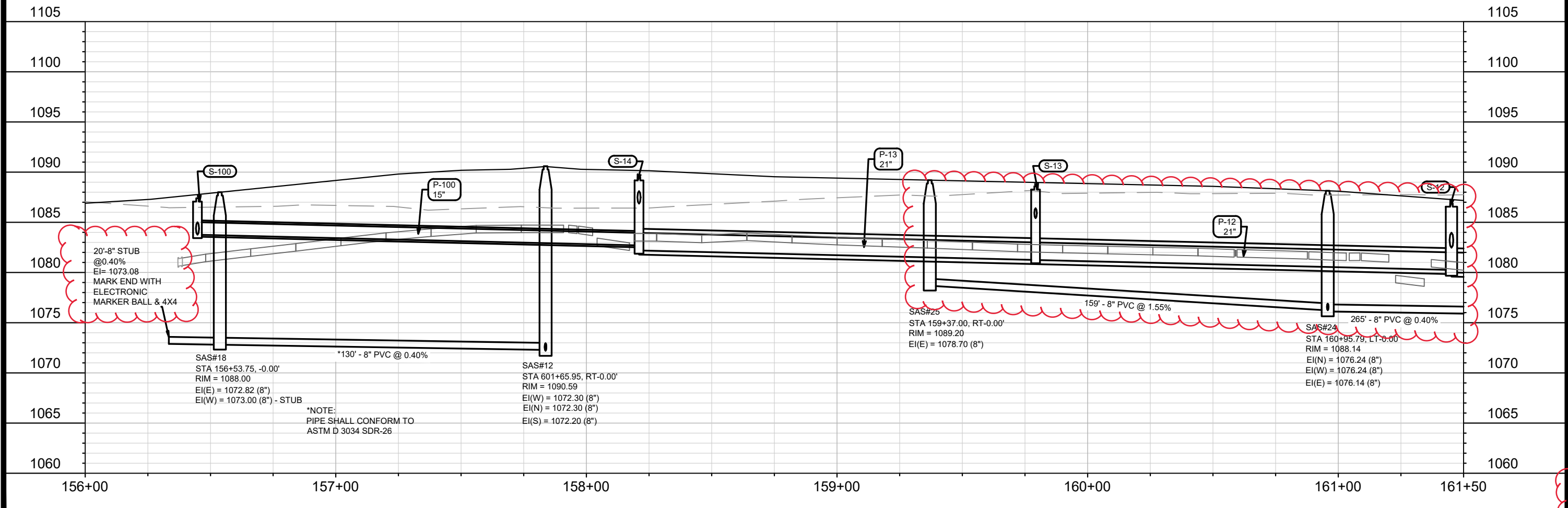
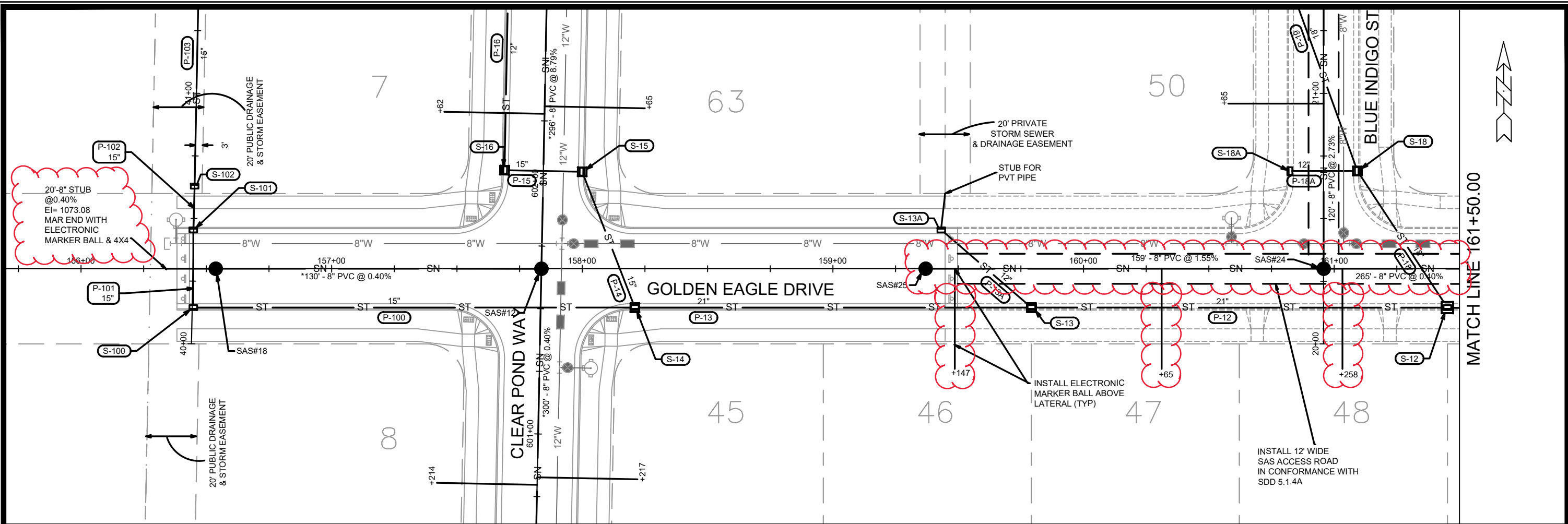
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13910	8/22/2023	3:10 PM	U-14

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MADISON, WI
CONTRACT NO: 9126

RED PINE DRIVE - UTILITIES PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\13910\CAD\Sewers\13910SWR-PipeNetwork.dwg



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U-14



MARK	REVISION	DATE	BY
13910	3:15 PM	8/22/2023	U-15

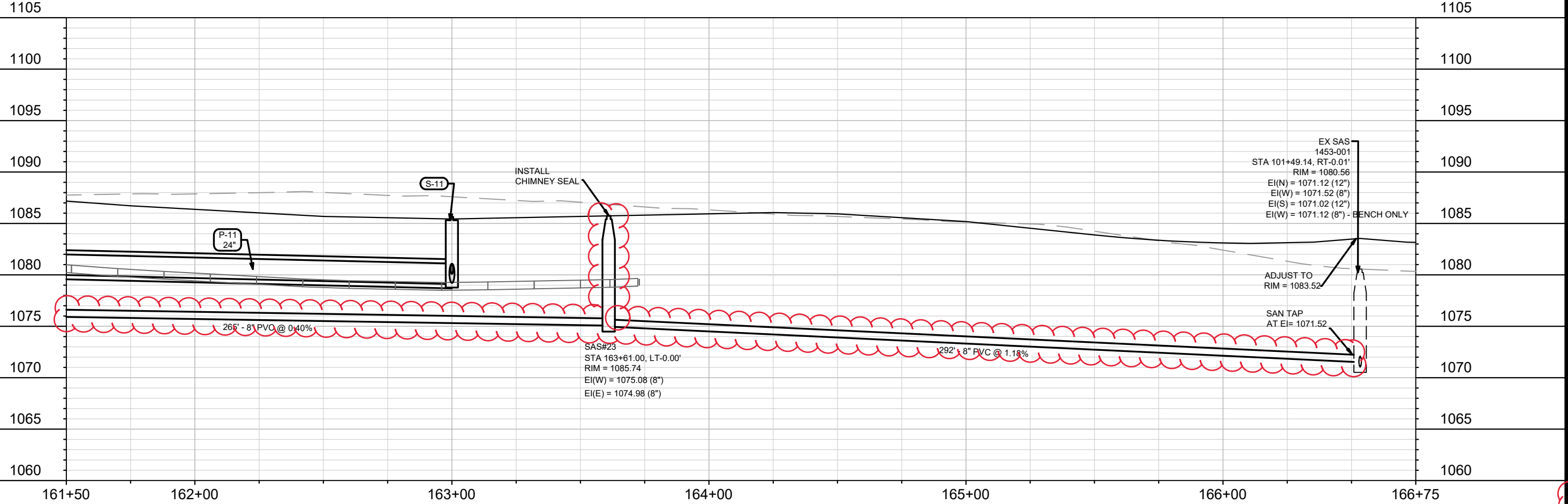
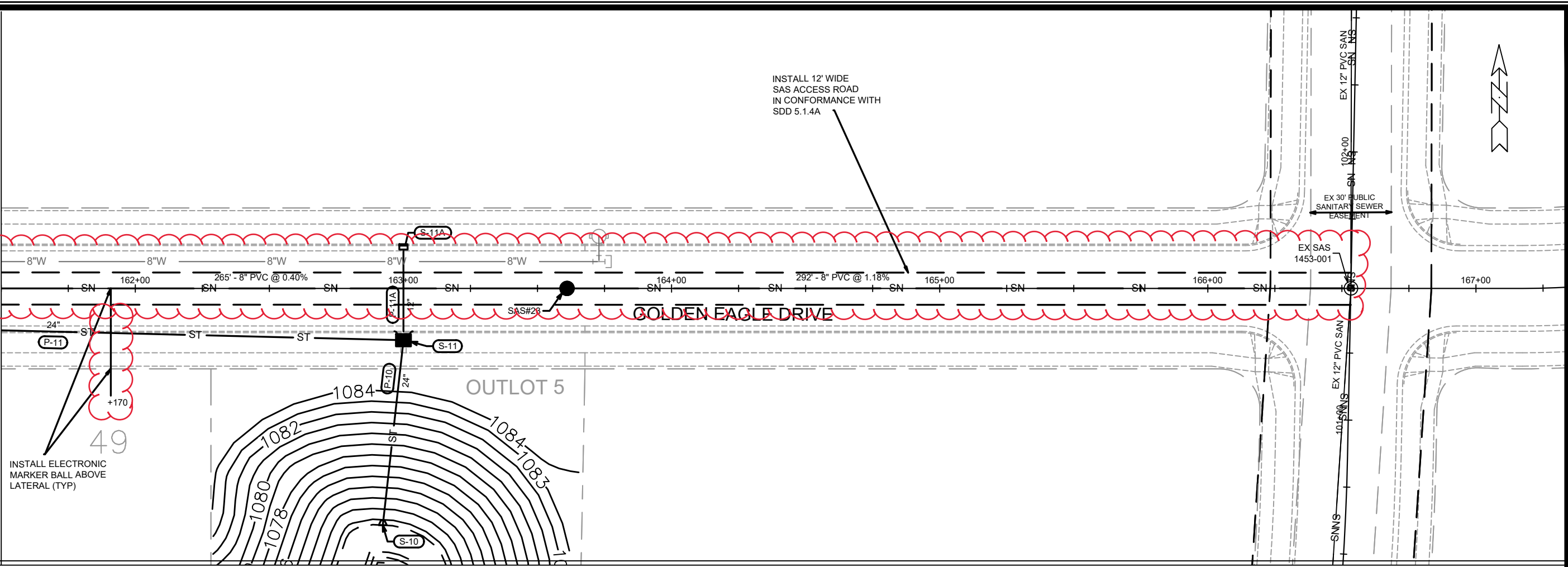
13910
MADISON, WI
CONTRACT NO: 9126

GOLDEN EAGLE DRIVE - UTILITIES PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\13910\CAD\Sewers\13910SWR-PipeNetwork.dwg



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U-15

MATCH LINE 161+50.00



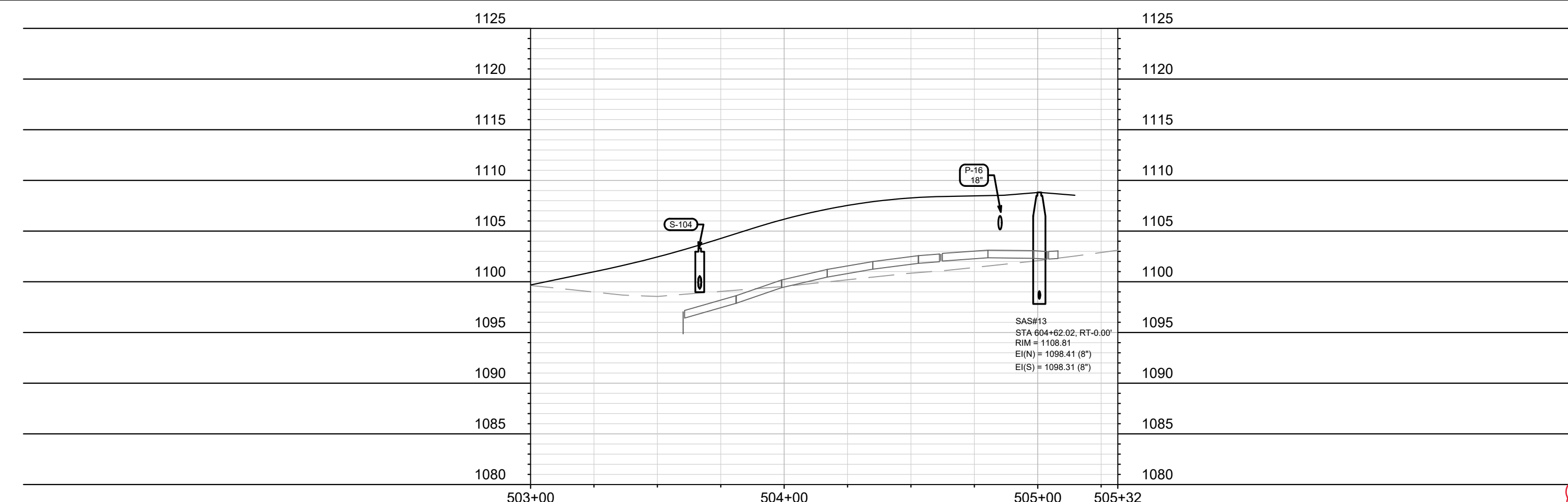
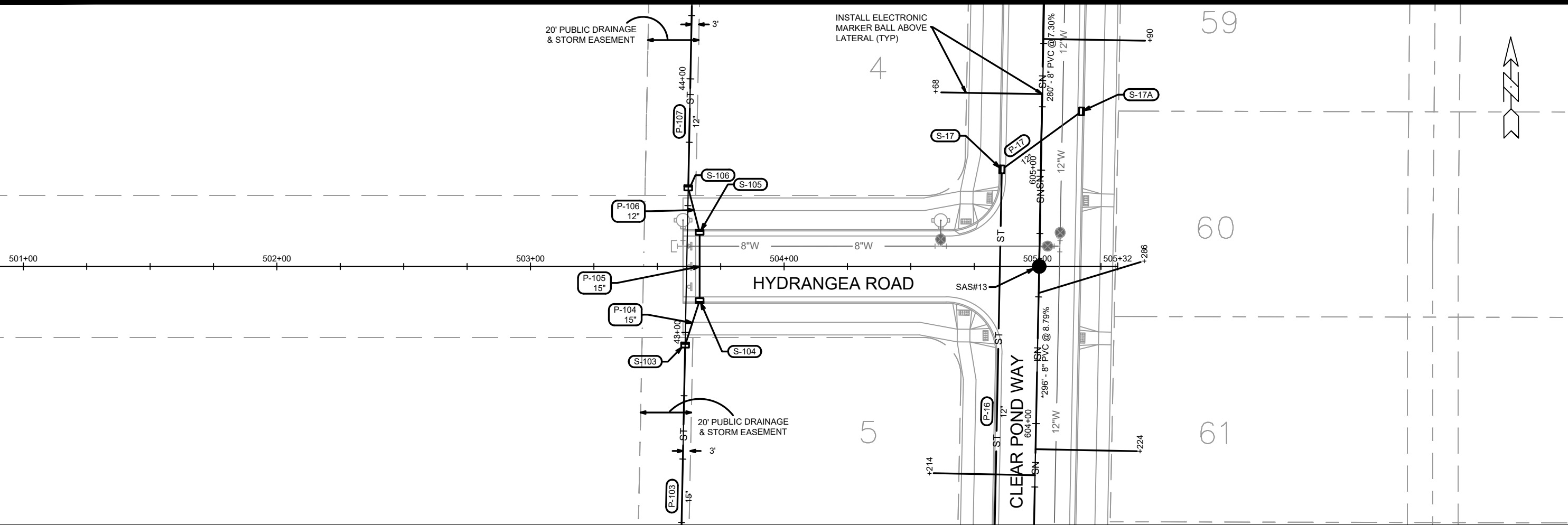
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MADISON, WI
9126
CONTRACT NO:

GOLDEN EAGLE DRIVE - UTILITIES PLAN & PROFILE
WESTWIND
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13910
U-16



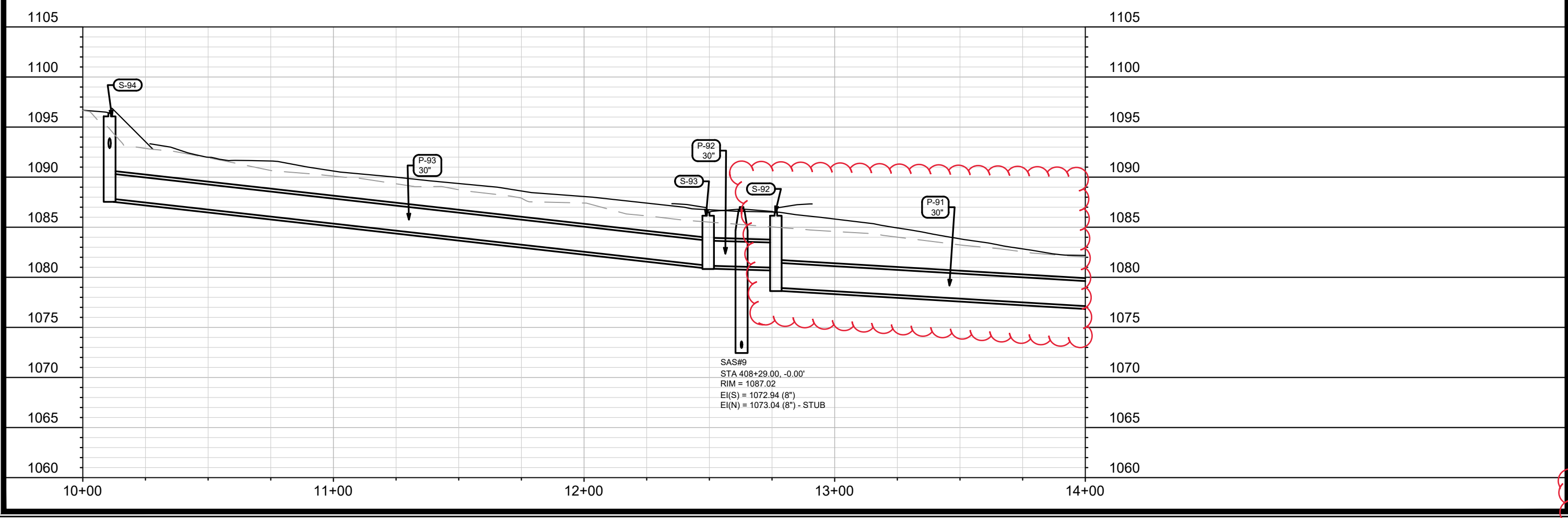
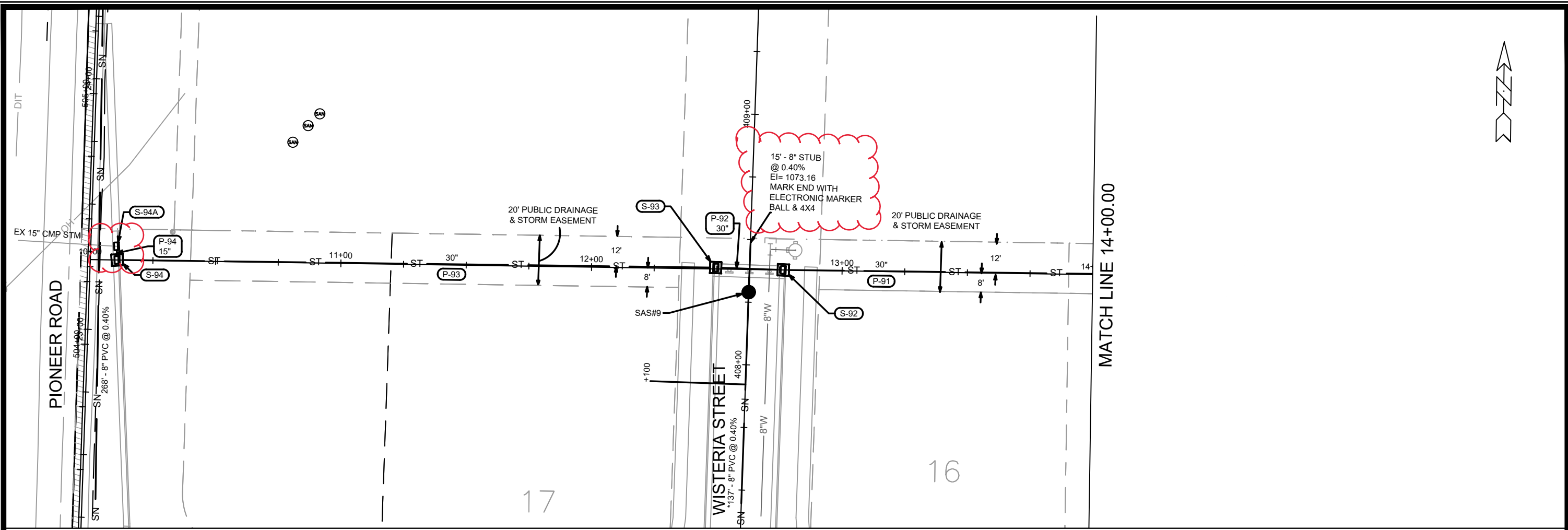
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13910	U-17	7/20/2023	9:29 AM

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MADISON, WI
CONTRACT NO: 9126

HYDRANGEA ROAD - UTILITIES PLAN & PROFILE
WESTWIND
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U-17



MARK	REVISION	DATE	BY
13910	U-18	8/22/2023 3:20 PM	U-18

13910
MADISON, WI
9126
CONTRACT NO:

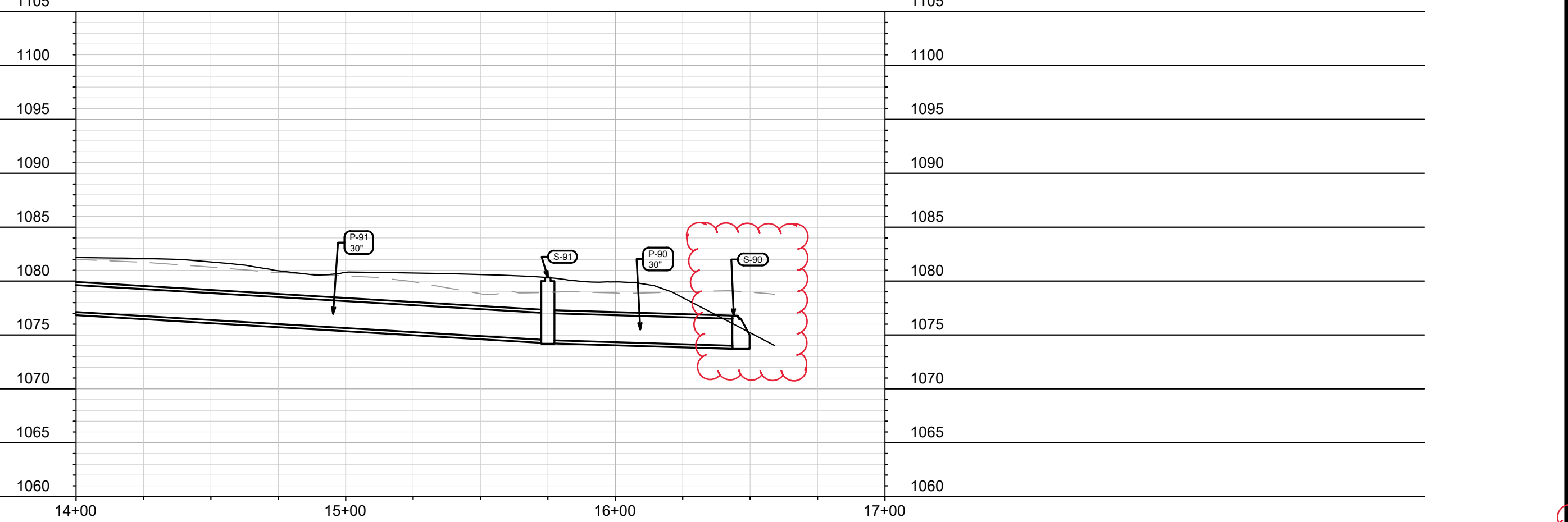
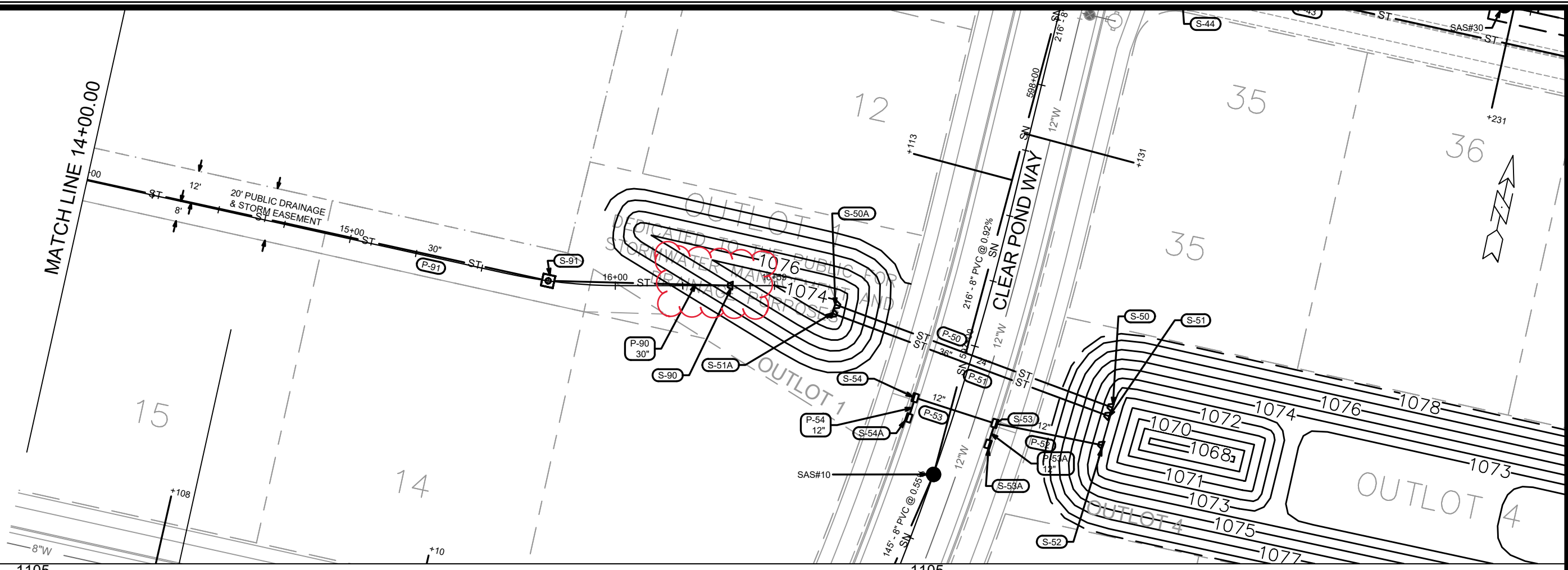
PUBLIC DRAINAGE & STORM SEWER EASEMENT PLAN & PROFILE

WESTWIND

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13910
U-18

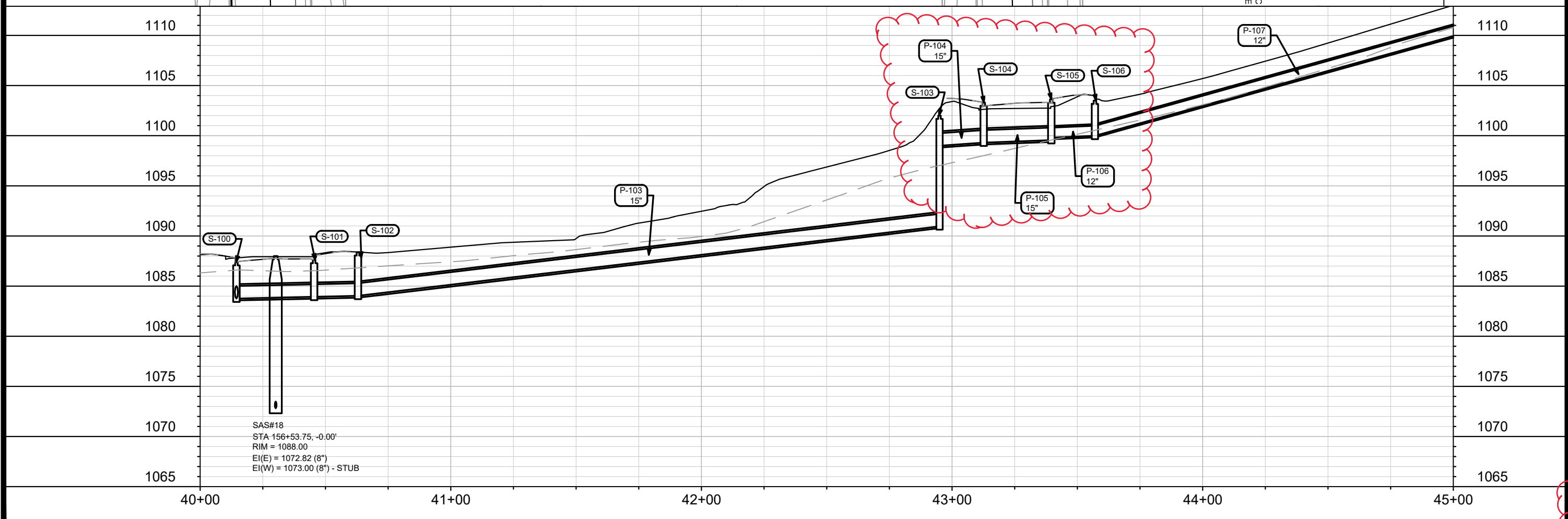
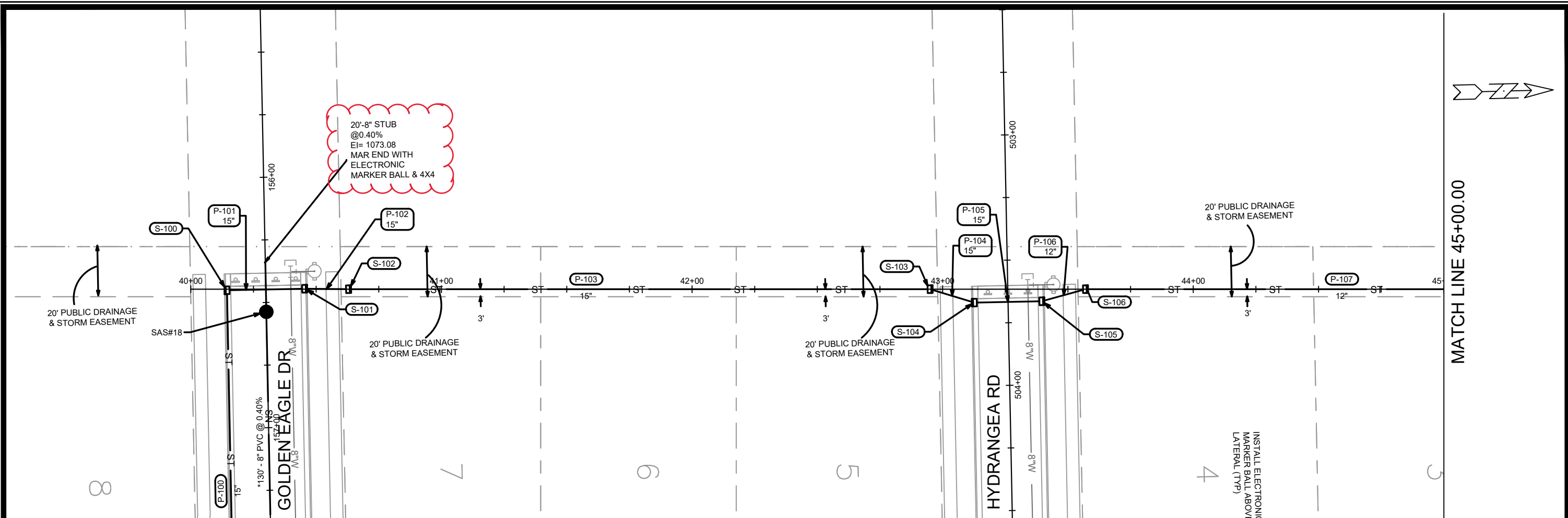


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13910	U-19	8/22/2023 3:21 PM	U-19

13910
 MADISON, WI
 CONTRACT NO: 9126
 PUBLIC DRAINAGE & STORM SEWER EASEMENT PLAN & PROFILE
 WESTWIND
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13910
 U-19



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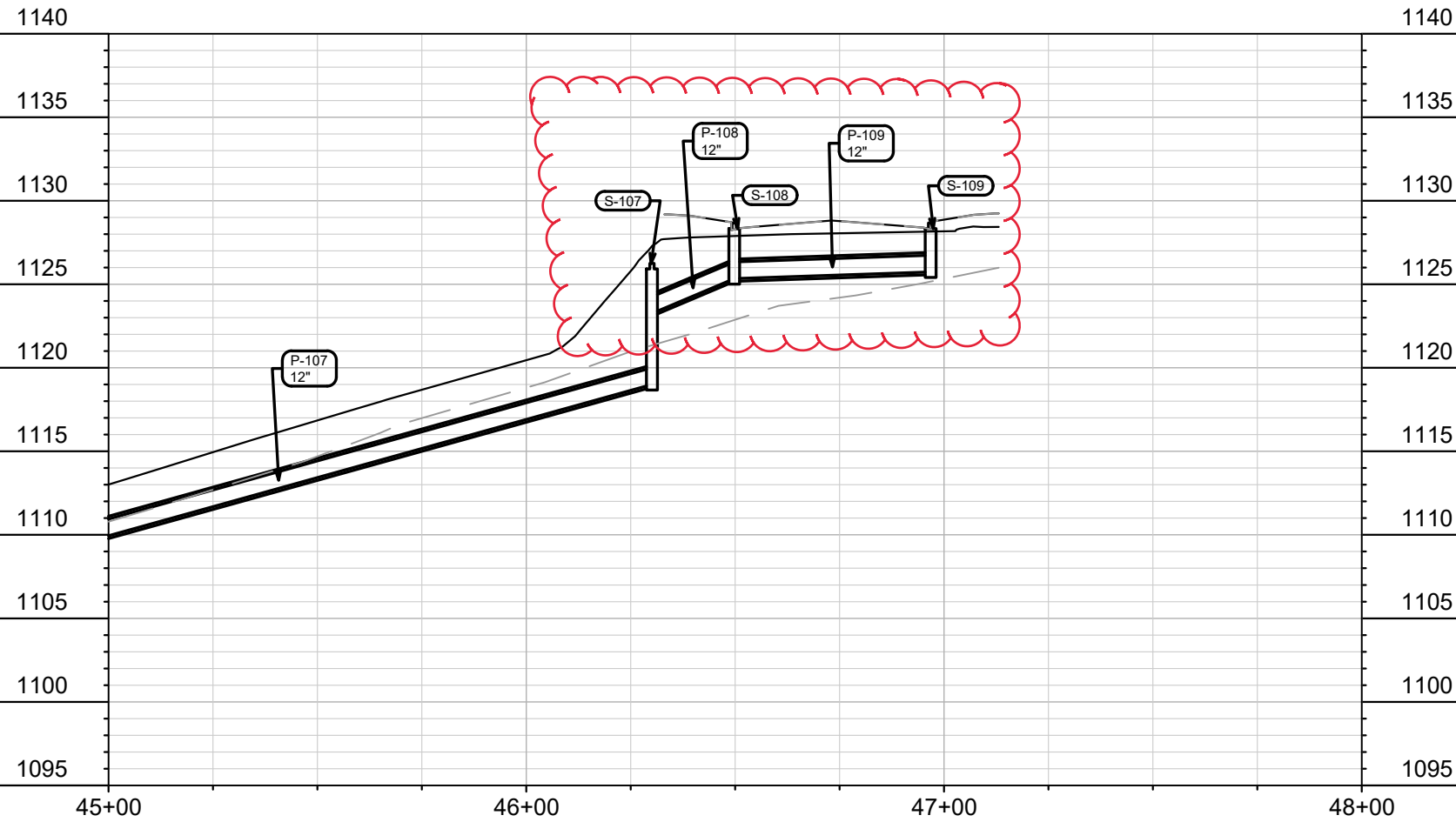
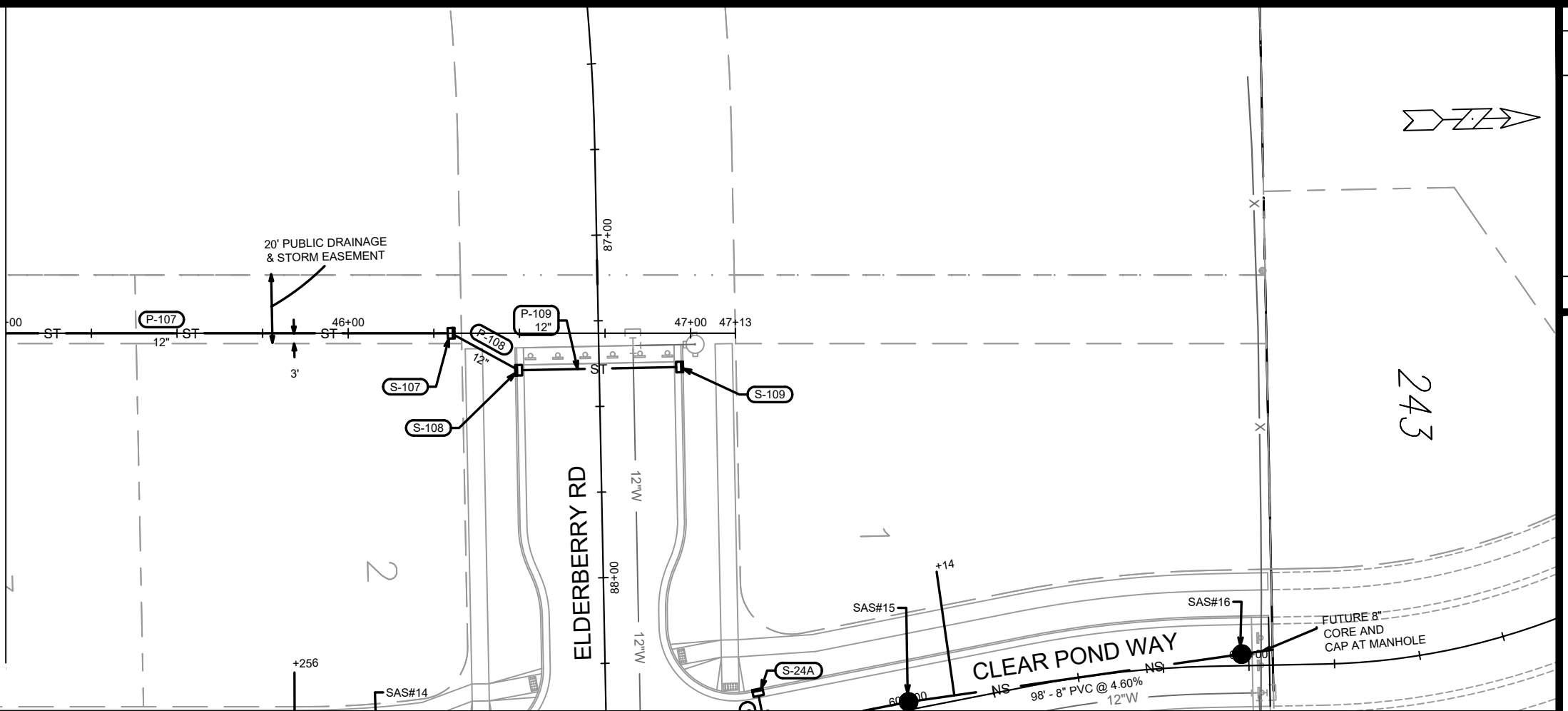
13910
MADISON, WI
CONTRACT NO: 9126

PUBLIC DRAINAGE & STORM SEWER EASEMENT - PLAN & PROFILE
WESTWIND
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13910
U-20

MATCH LINE 45+00.00



13910
MADISON, WI
CONTRACT NO: 9126

PUBLIC DRAINAGE & STORM SEWER EASEMENT - PLAN & PROFILE
WESTWIND

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MARK	REVISION	DATE	BY
13910	U-21	8/22/2023 3:24 PM	

Scale: 1" = 40'



13910
U-21

SANITARY SEWER SCHEDULE

WESTWIND PROJECT NO. 13910	SHEET NO. U-SAN1
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

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	-
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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

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	-

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	-

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.

STORM SEWER SCHEDULE

* REVISED 8/22/2023 EEA

WESTWIND PROJECT NO. 13910	SHEET NO. 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)

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	-
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

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.

- 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
+ REVISED 9/25/2023

WESTWIND PROJECT NO. 13910	SHEET NO. 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-59	94+11.85	RT-44.96	36" RCP APRON END	-	1070.00	-	W/ GATE; (6); (7)
+ S-60	314+82.52	LT-41.37	4X4 SAS	1075.00	1070.22	4.78	FP; W/ R-1550
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-59	S-59	S-60	1070.00	1070.22	51	49	0.45%	36"	TYPE II	-
+ P-60	S-60	S-61	1070.22	1070.90	150	146	0.47%	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	-

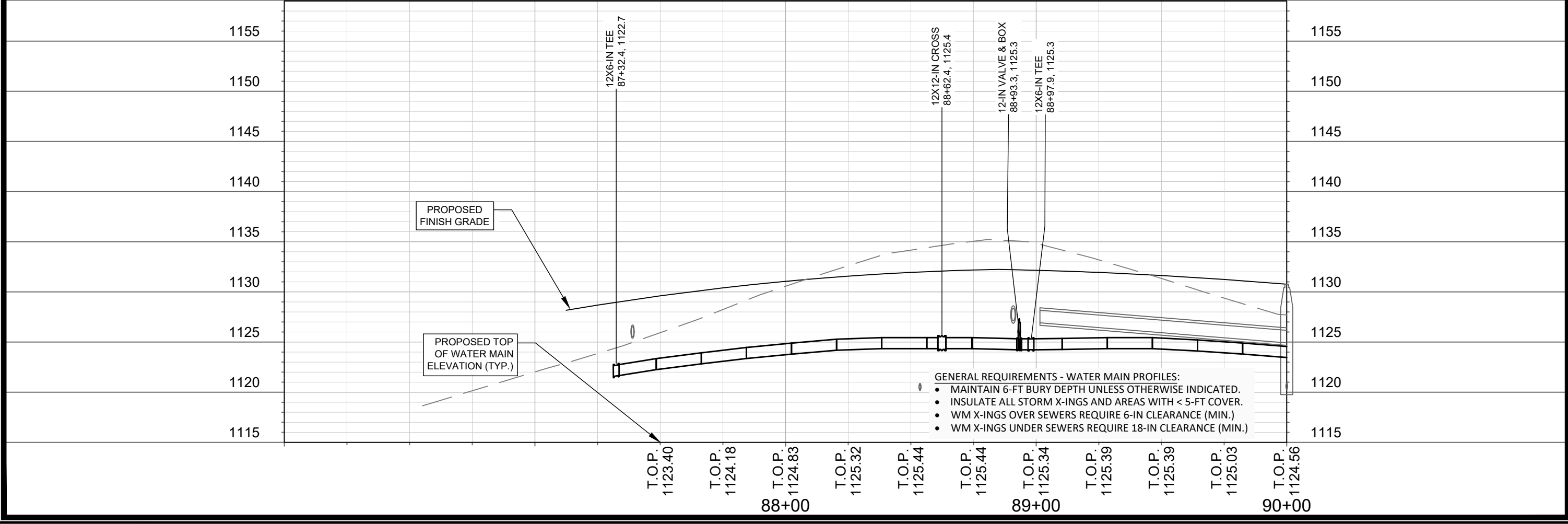
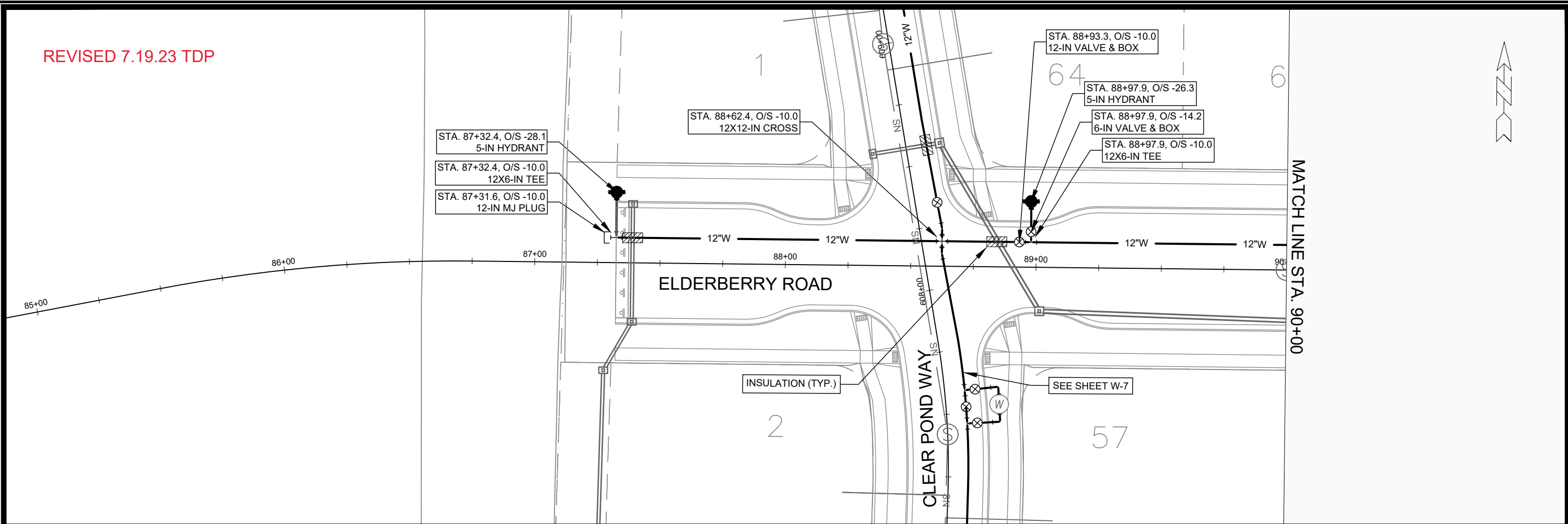
SPECIFIC NOTES:

STANDARD NOTES:

- 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.
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- 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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REVISED 7.19.23 TDP



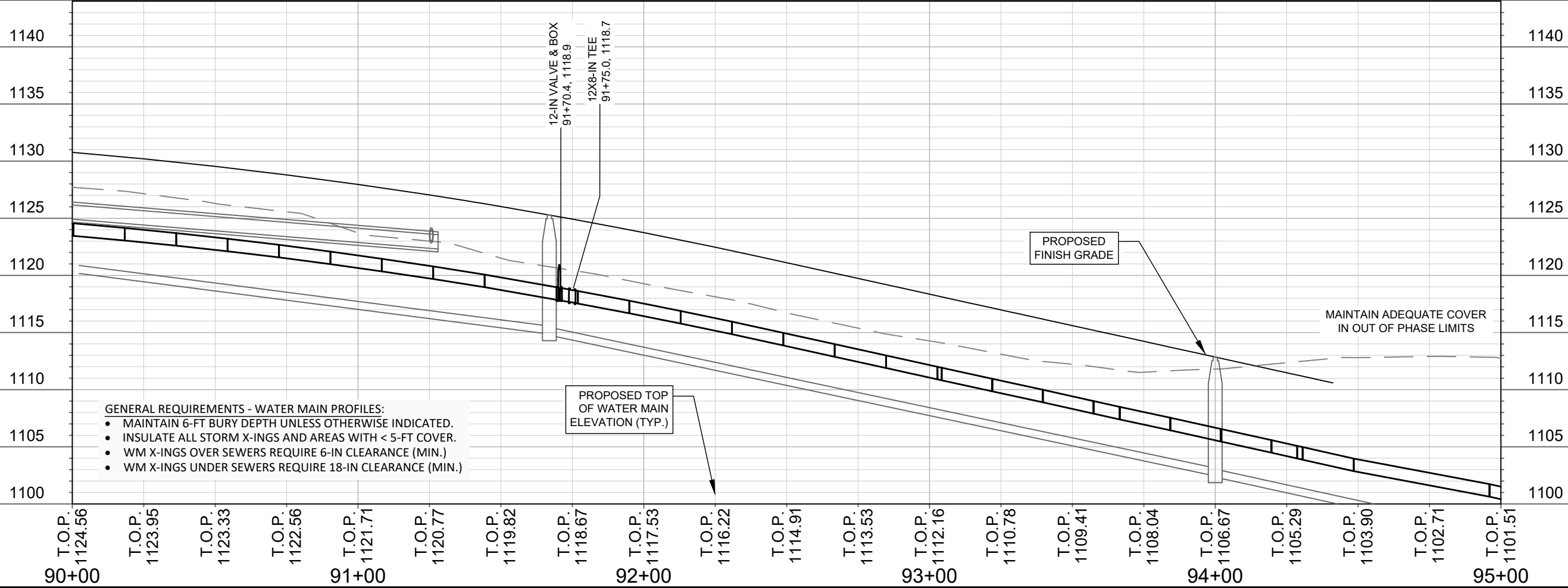
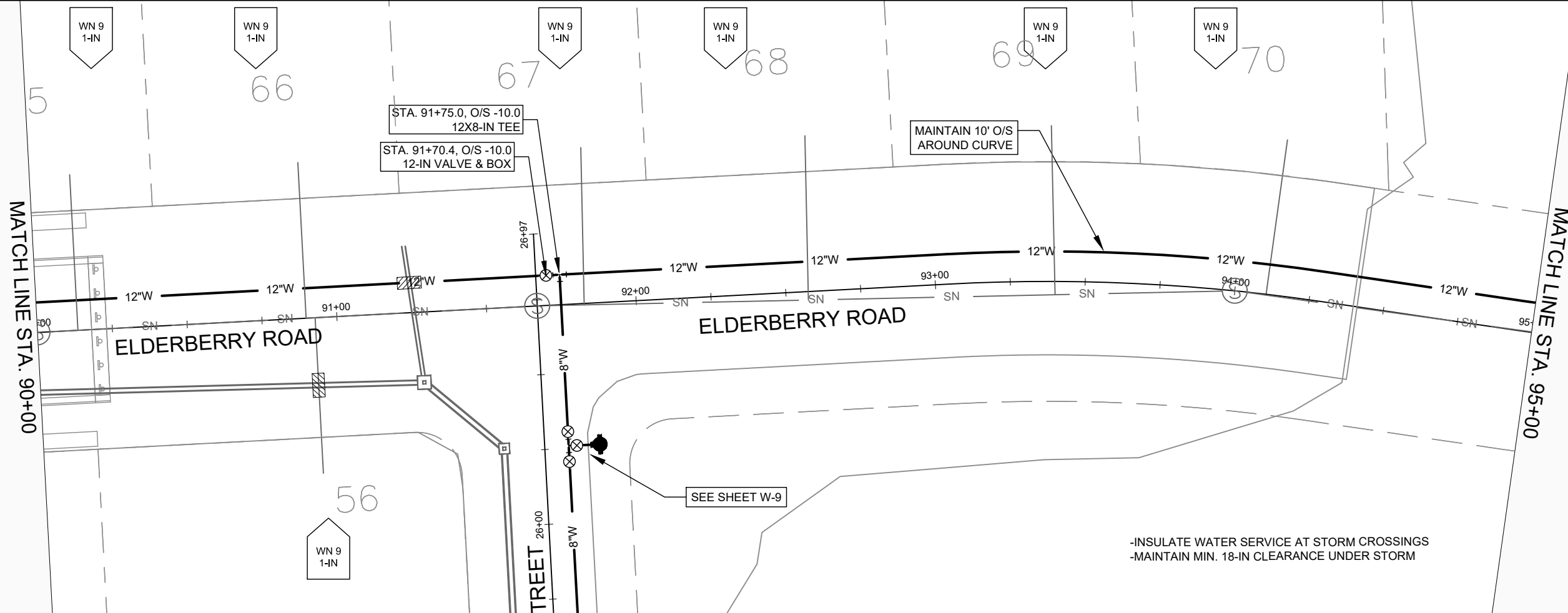
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13910
MADISON, WI
9126
CONTRACT NO:

ELDERBERRY ROAD - WATER PLAN & PROFILE
WESTWIND
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13910
W-1



- 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.)

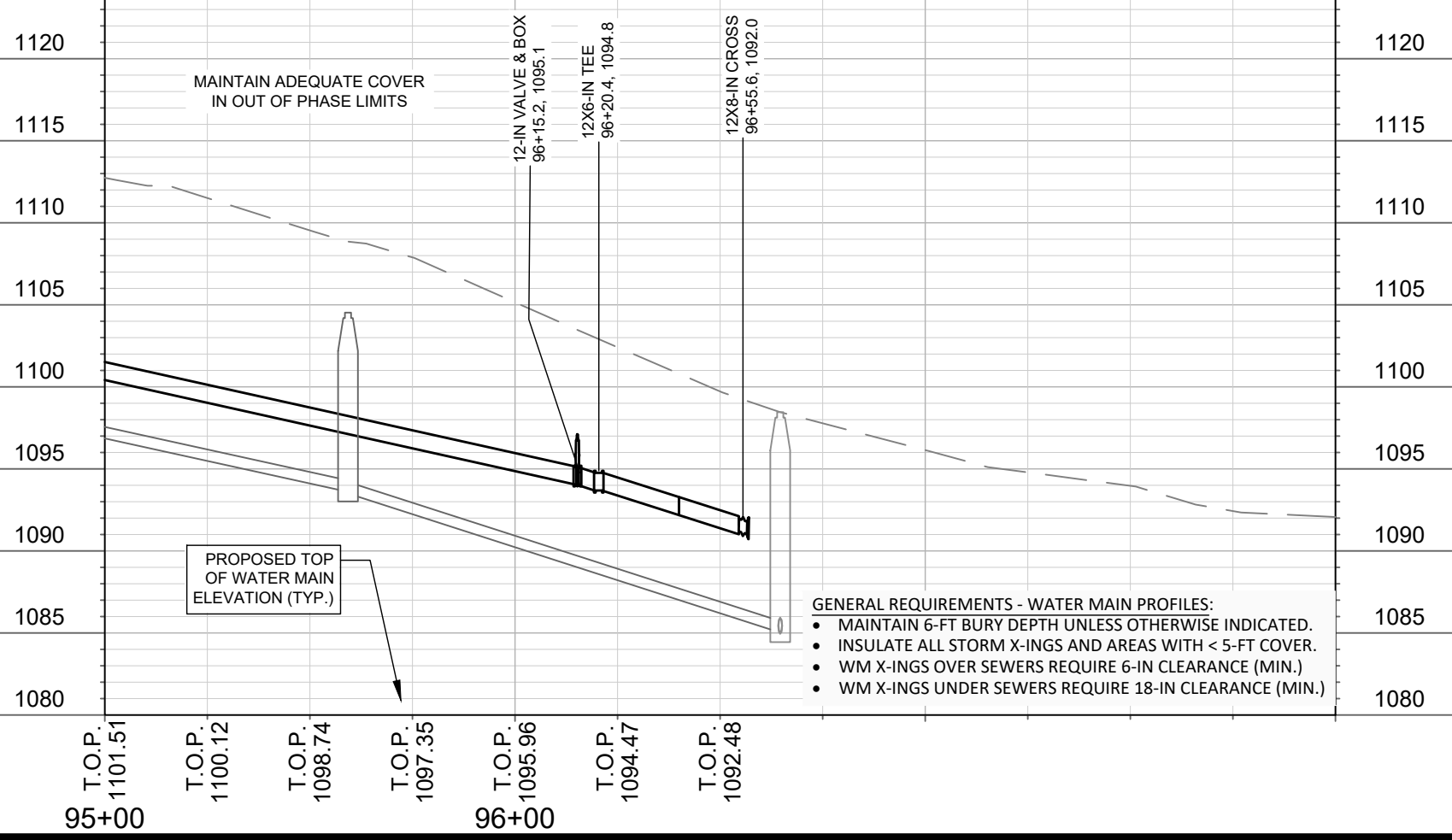
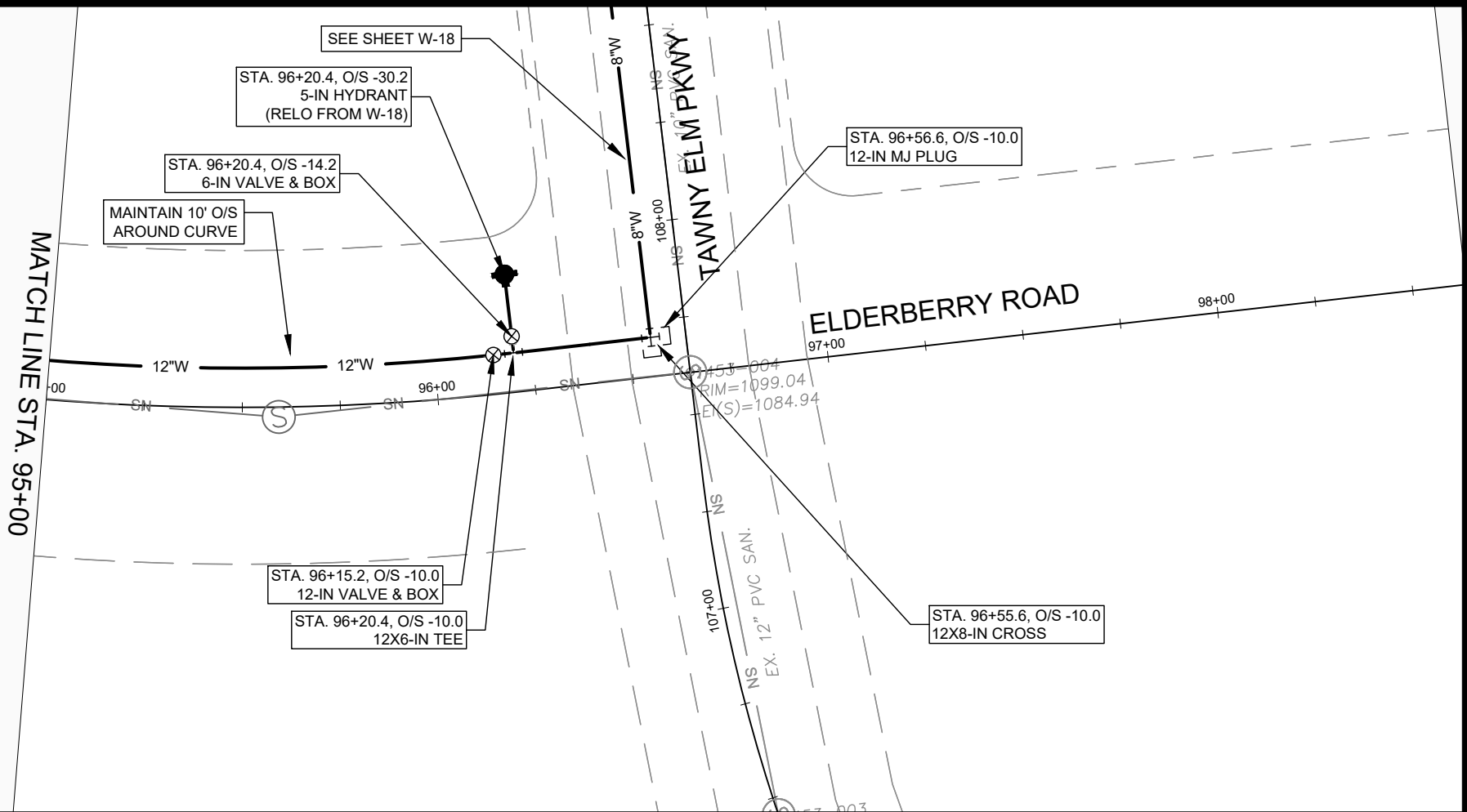
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MADISON, WI
9126
CONTRACT NO:

ELDERBERRY ROAD - WATER PLAN & PROFILE
WESTWIND
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13910
W-2



- 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.)

MARK	REVISION	DATE	BY

13910
MADISON, WI
9126
CONTRACT NO:

ELDERBERRY ROAD - WATER PLAN & PROFILE

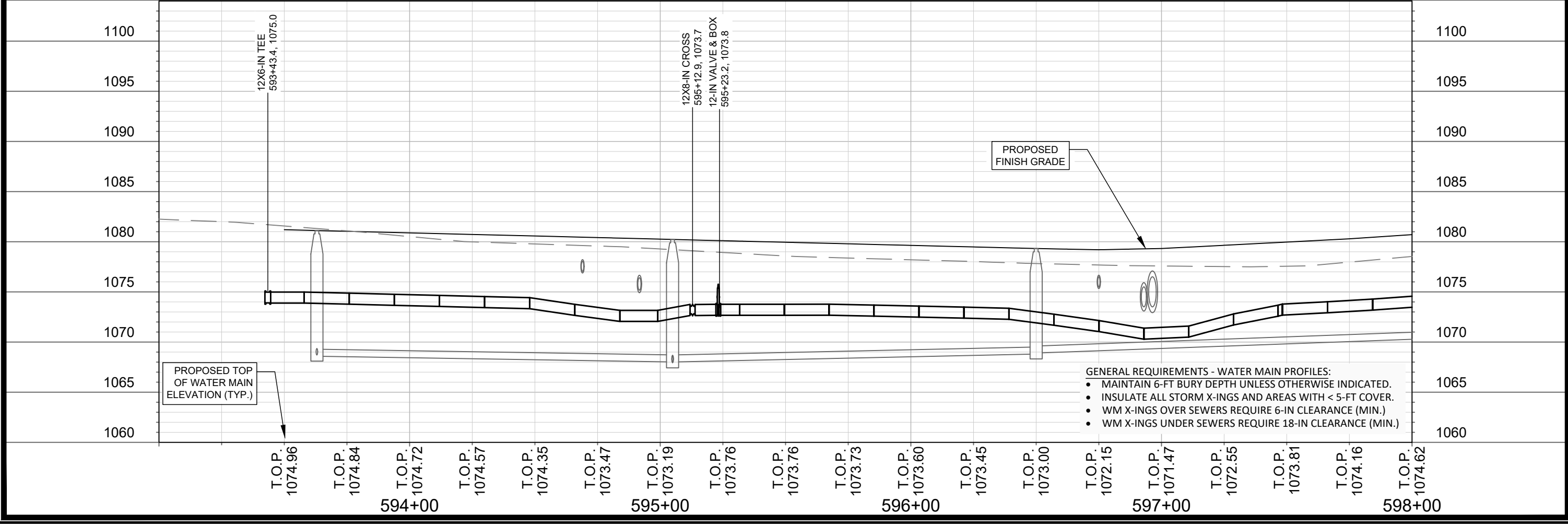
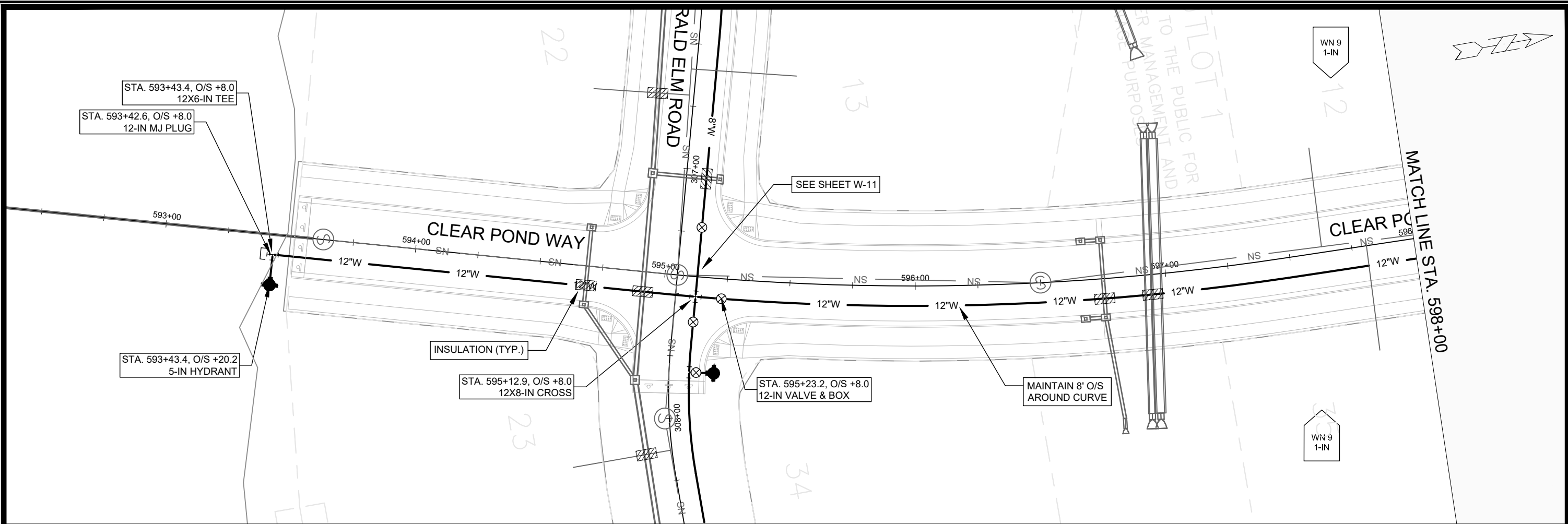
WESTWIND



13910
W-3

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Scale: 1" = 40'
W-3



- 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.)

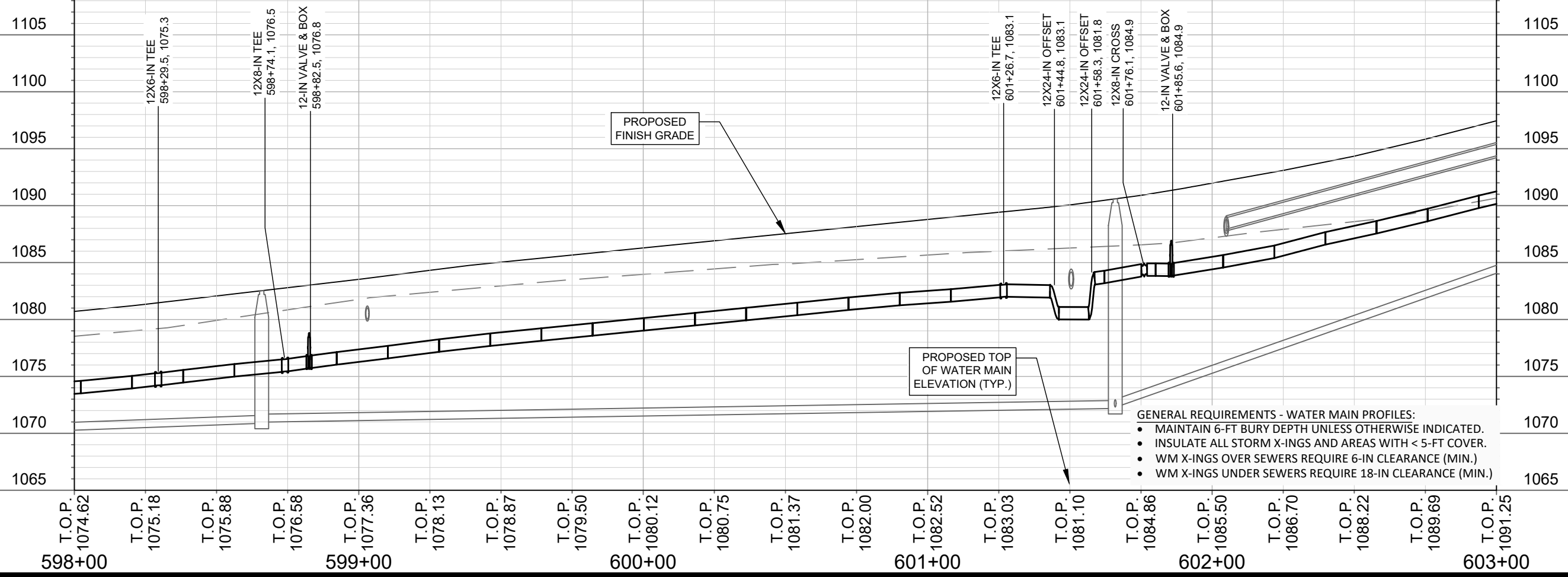
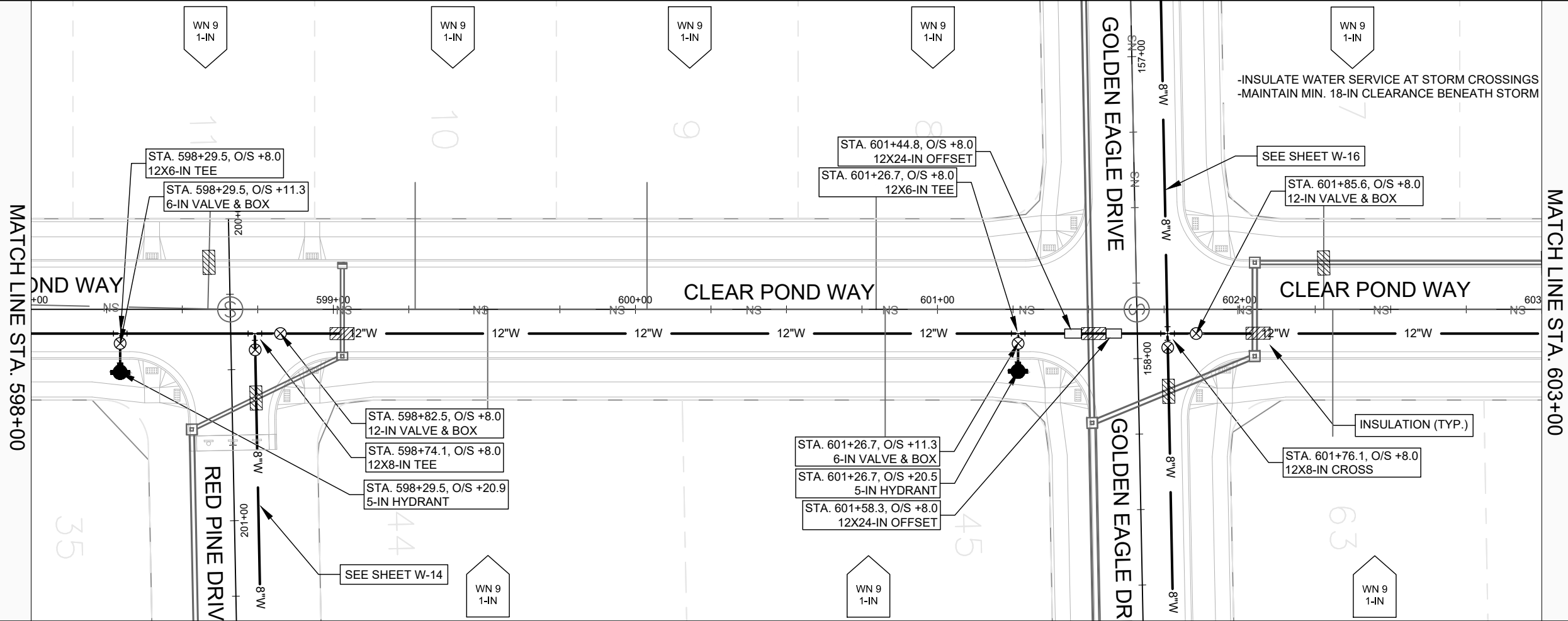
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13910
 MADISON, WI
 CONTRACT NO: 9126

CLEAR POND WAY - WATER PLAN & PROFILE
 WESTWIND
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13910
 W-4



- 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.)


MATCH LINE STA. 598+00

MATCH LINE STA. 603+00

DATE	BY
REVISION	
MARK	
Designed By: 13910	
Date: 8/24/2023 9:23 AM	
Scale: 1" = 40'	W-5

13910
MADISON, WI
CONTRACT NO: 9126

CLEAR POND WAY - WATER PLAN & PROFILE
WESTWIND
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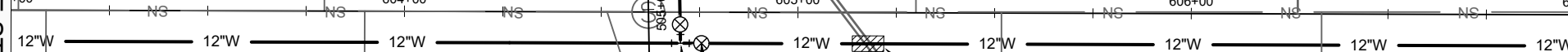
MATCH LINE STA. 603+00

MATCH LINE STA. 607+00

-INSULATE WATER SERVICE AT STORM CROSSINGS
-MAINTAIN MIN. 18-IN CLEARANCE BENEATH STORM

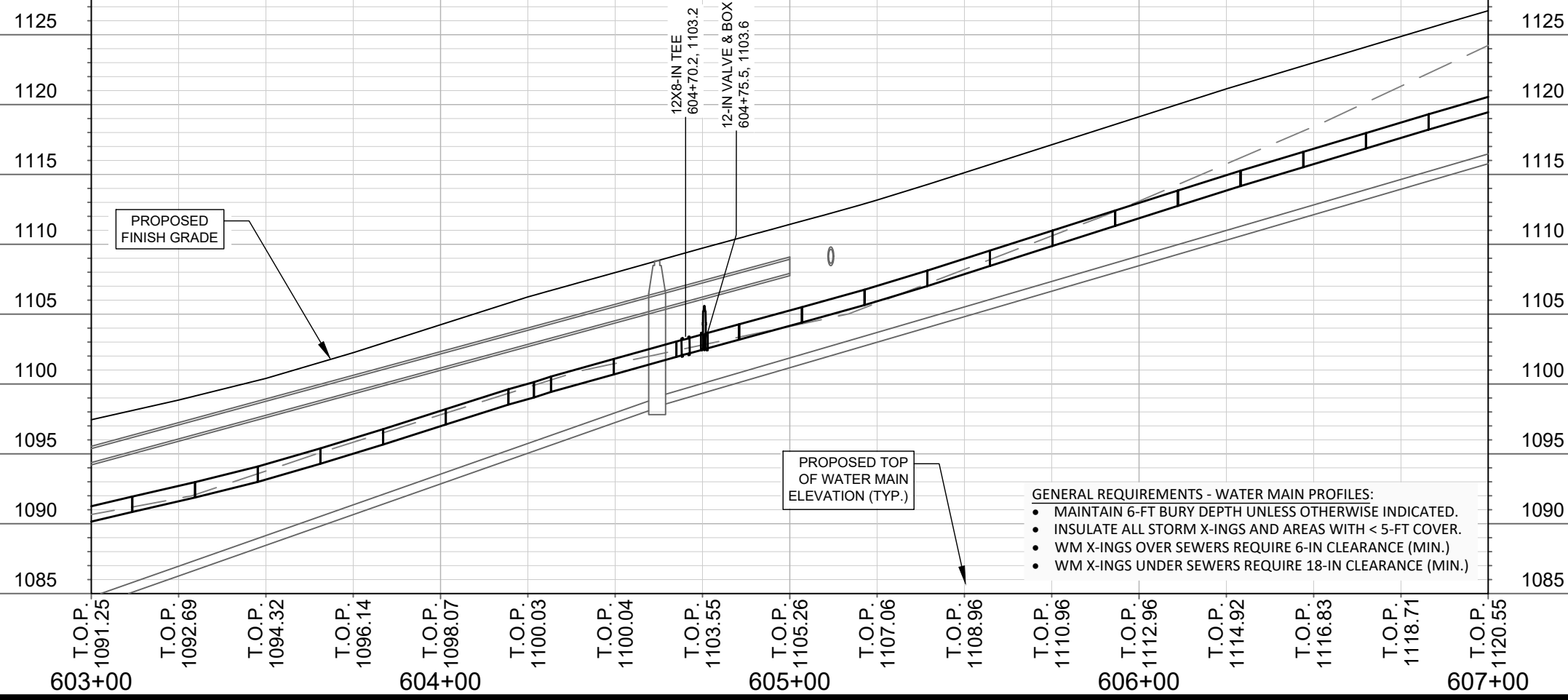
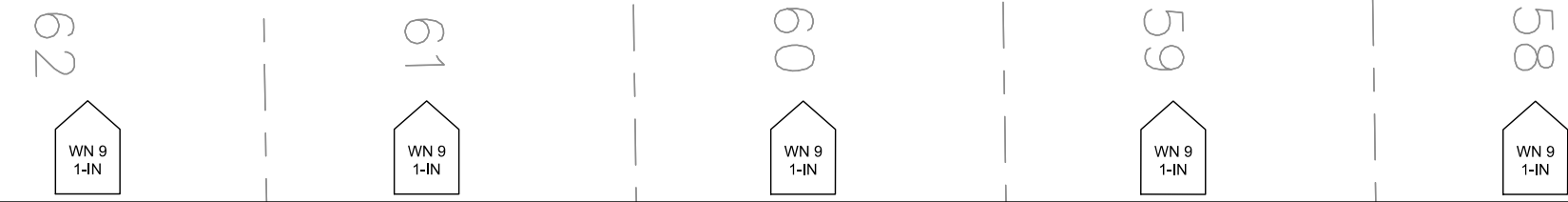
ORANGEA ROAD

CLEAR POND WAY

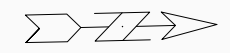


STA. 604+75.5, O/S +8.0
12-IN VALVE & BOX
STA. 604+70.2, O/S +8.0
12X8-IN TEE

INSULATION (TYP.)



- 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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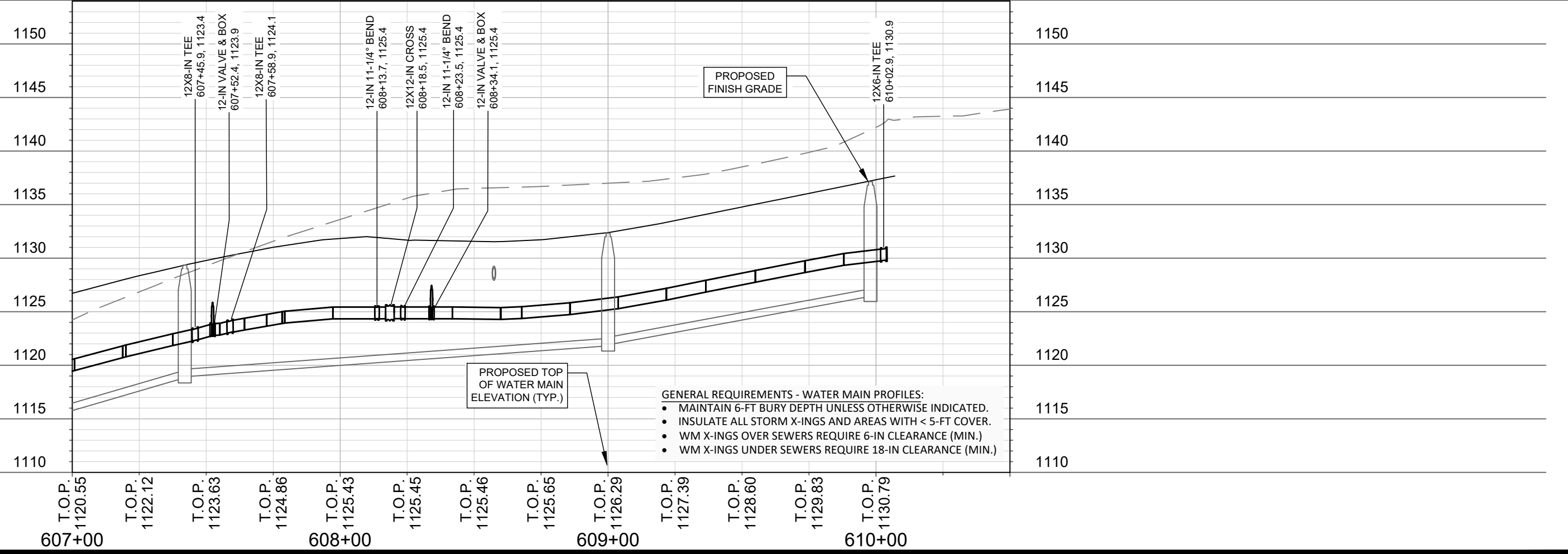
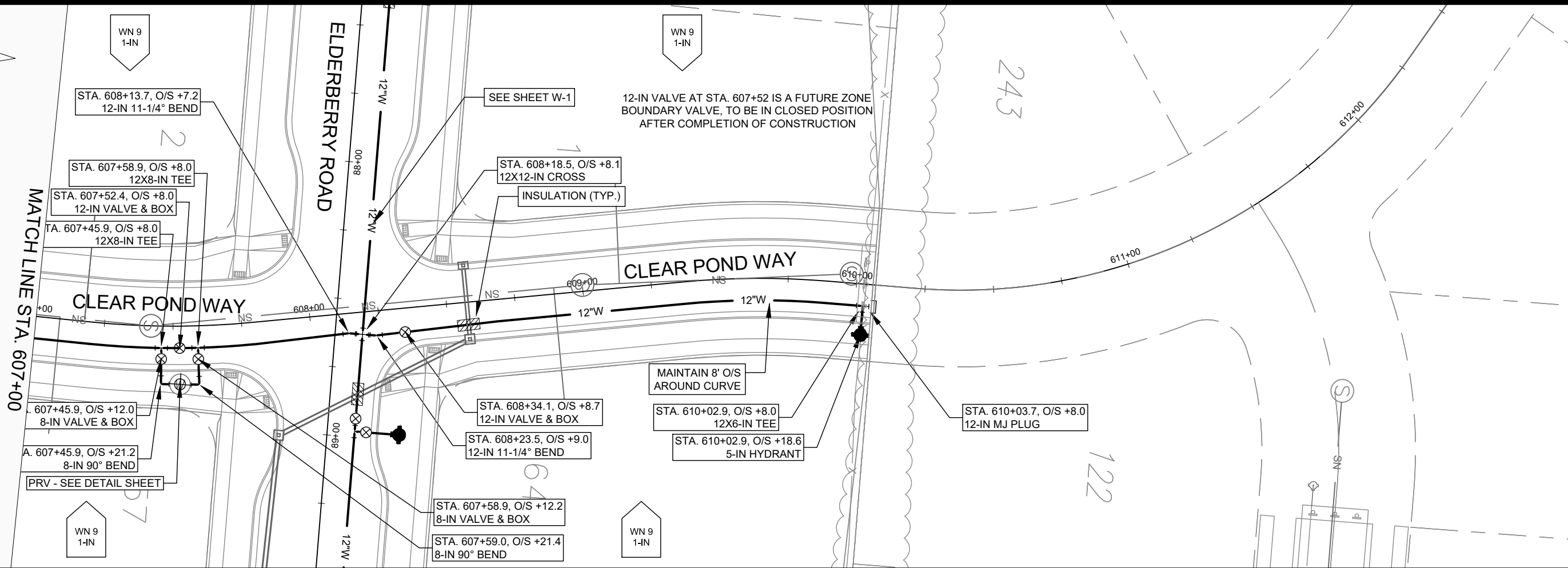
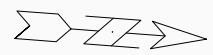
13910
MADISON, WI
CONTRACT NO: 9126

CLEAR POND WAY - WATER PLAN & PROFILE

WESTWIND



13910
W-6



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 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

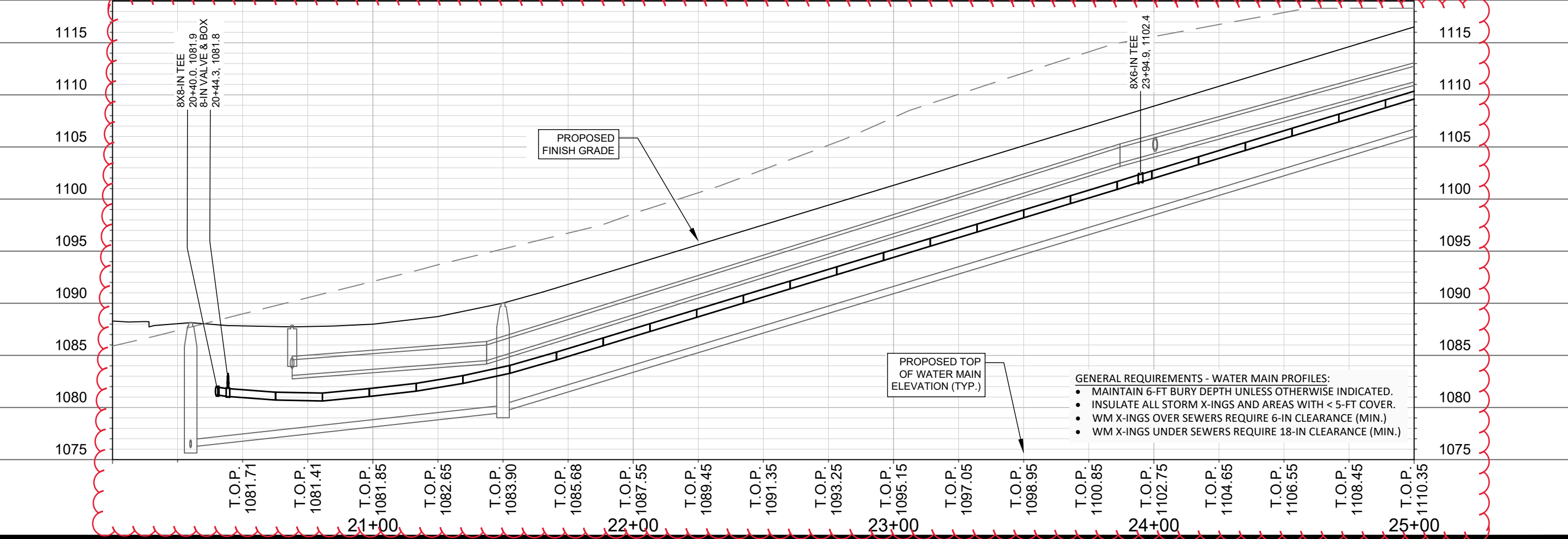
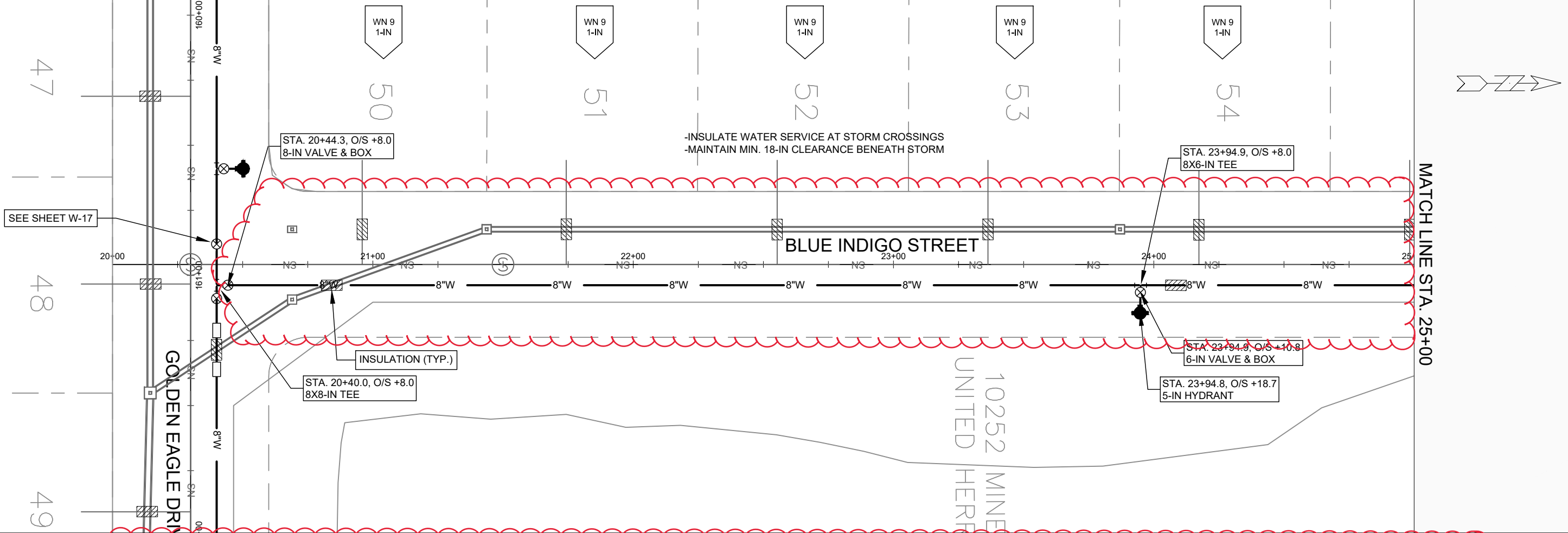
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13910	8/24/2023 9:24 AM	1" = 40'	W-7

13910
MADISON, WI
CONTRACT NO: 9126

CLEAR POND WAY - WATER PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\13910\CAD\Water\13910 WU-Water 6.21.23.dwg



13910
W-7



- 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.)

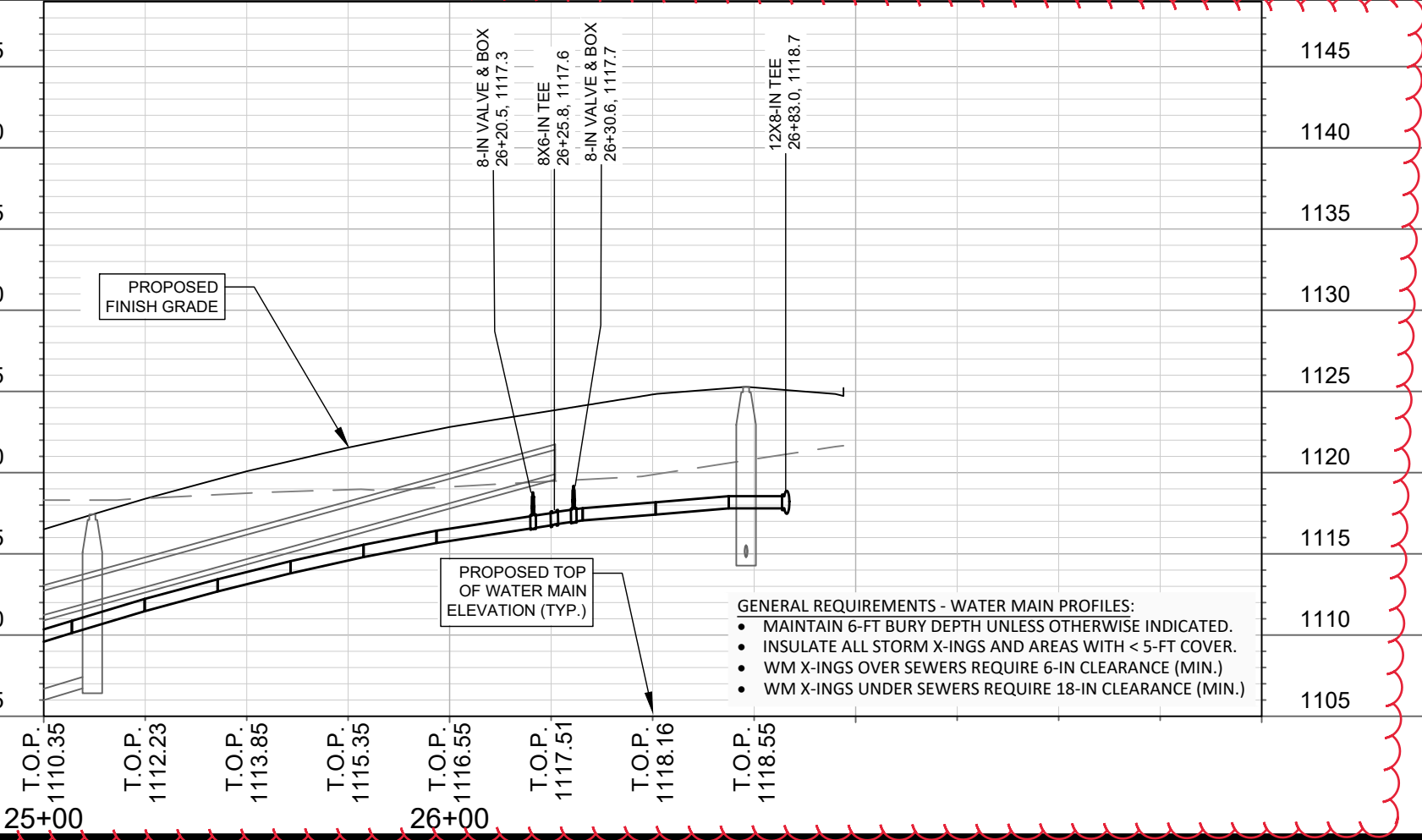
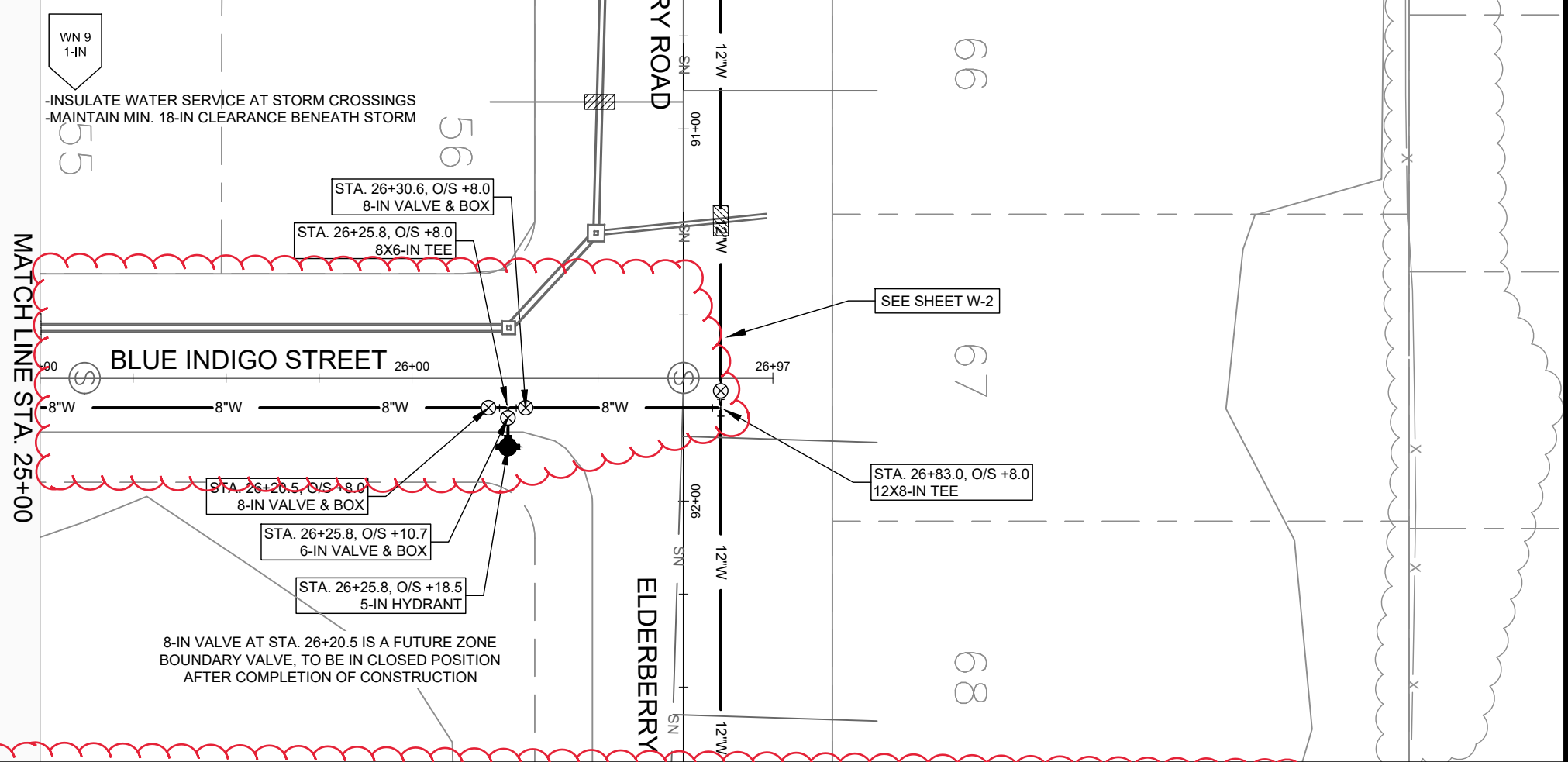
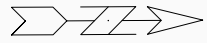
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13910	8/24/2023 9:24 AM	1" = 40'	W-8

13910
MADISON, WI
CONTRACT NO: 9126

BLUE INDIGO STREET - WATER PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\13910\CAD\Water\13910 WU-Water 6.21.23.dwg



13910
W-8



- 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.)

MARK	REVISION	DATE	BY

13910
MADISON, WI
9126
CONTRACT NO:

BLUE INDIGO STREET - WATER PLAN & PROFILE
WESTWIND

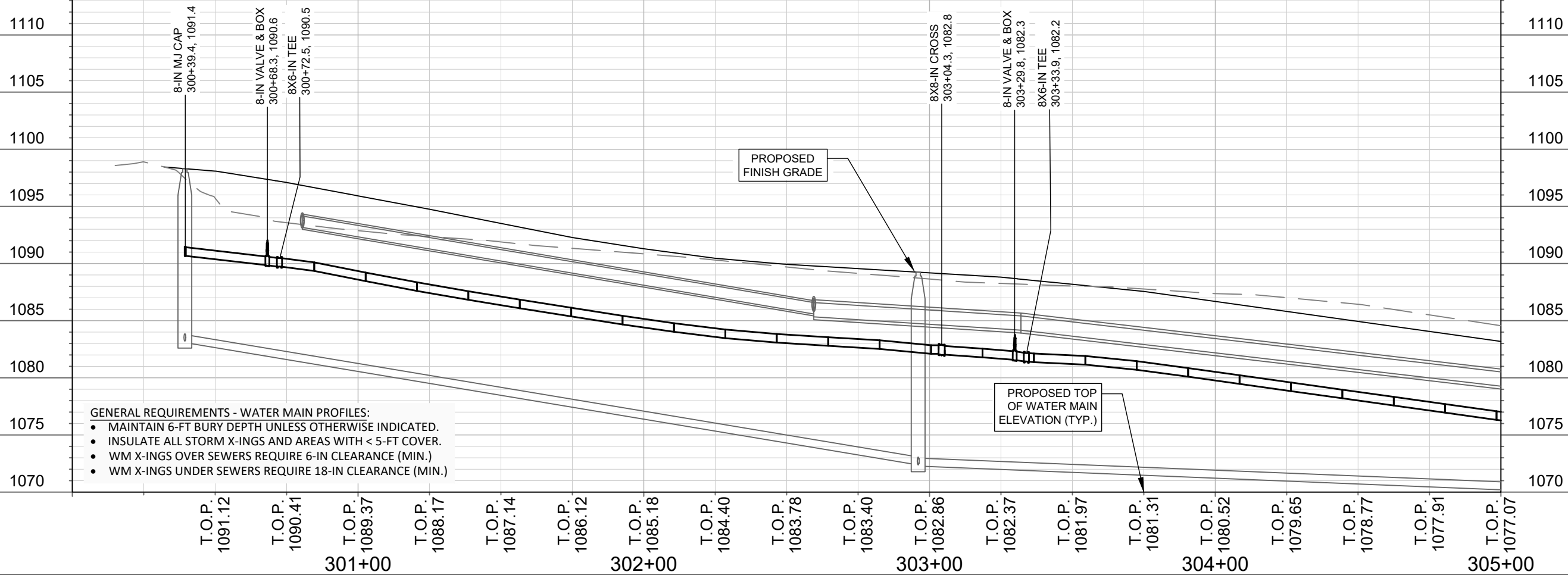
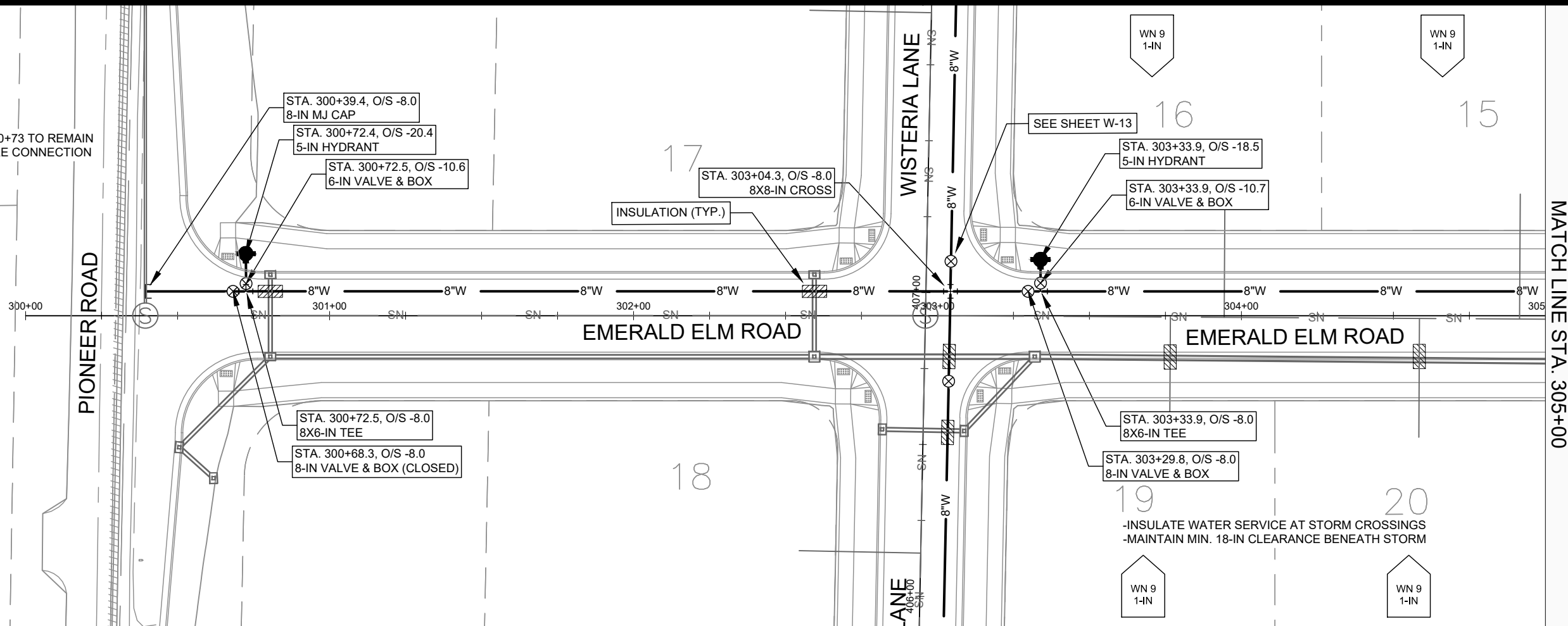


13910
W-9

M:\DESIGN\Projects\13910\CAD\Water\13910 WU-Water 6.21.23.dwg

Designed By: 13910
Date: 8/24/2023 9:25 AM
Scale: 1" = 40'
W-9

8-IN VALVE AT STA. 300+73 TO REMAIN CLOSED UNTIL FUTURE CONNECTION



- 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.)

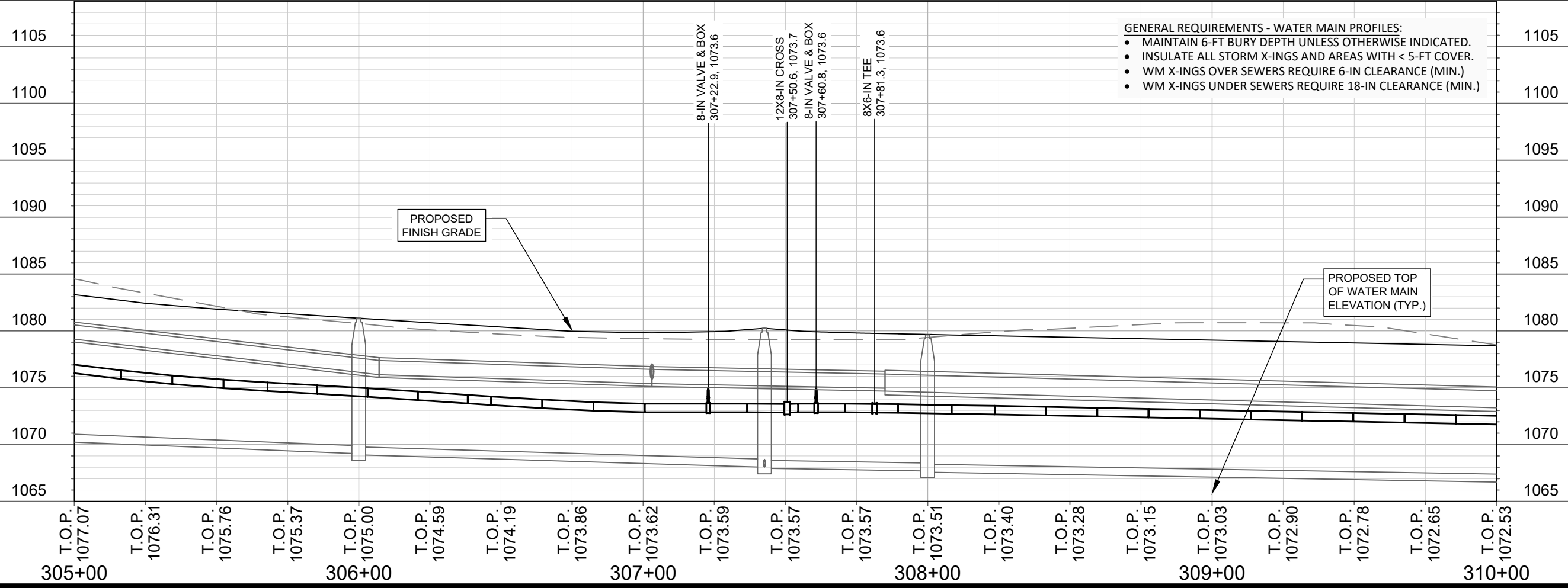
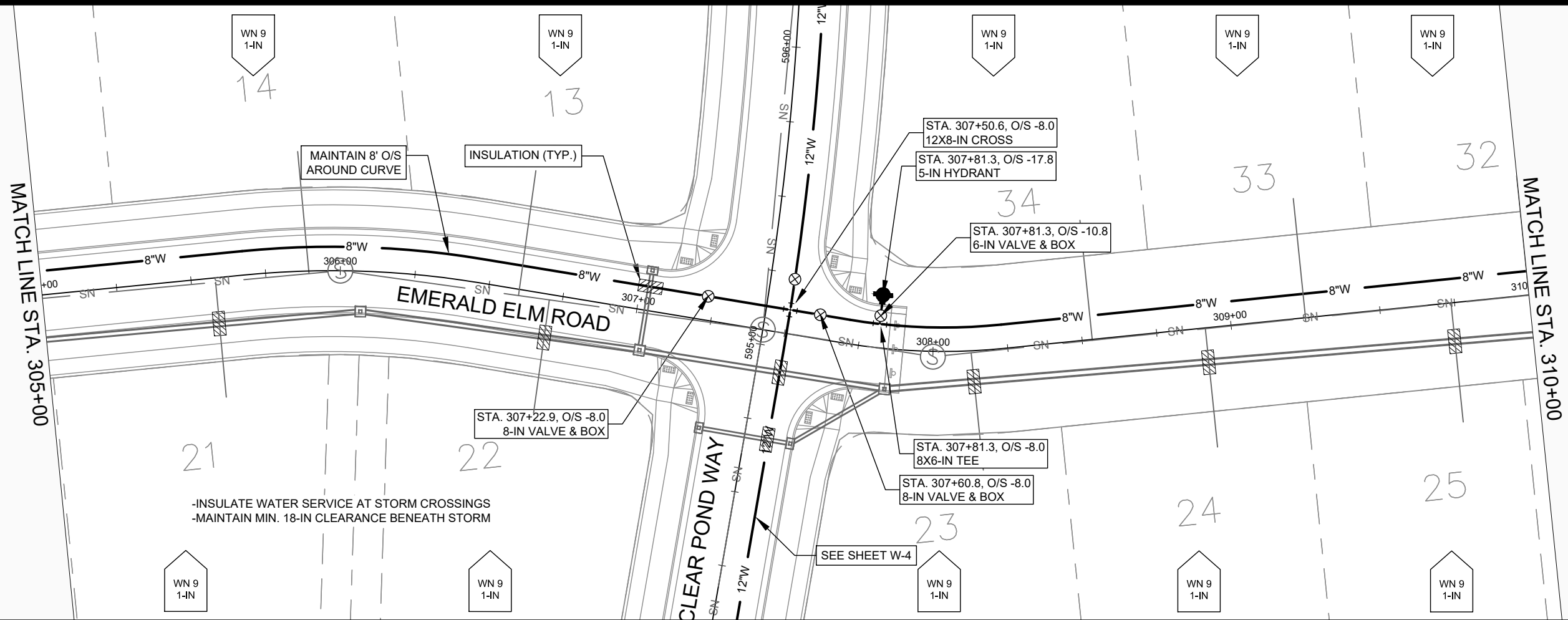
MARK	REVISION	DATE	BY

13910
MADISON, WI
9126
CONTRACT NO:

EMERALD ELM ROAD - WATER PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\13910\CAD\Water\13910 WU-Water 6.21.23.dwg



13910
W-10



- 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.)

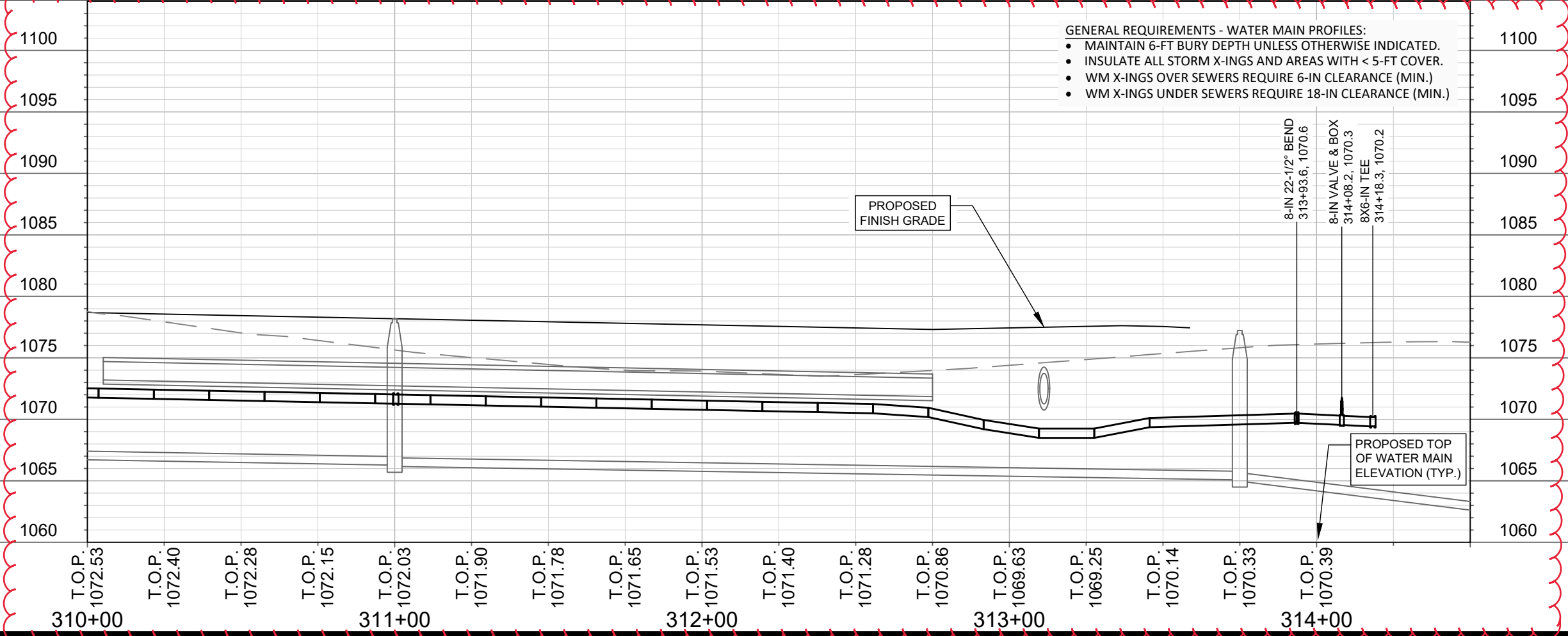
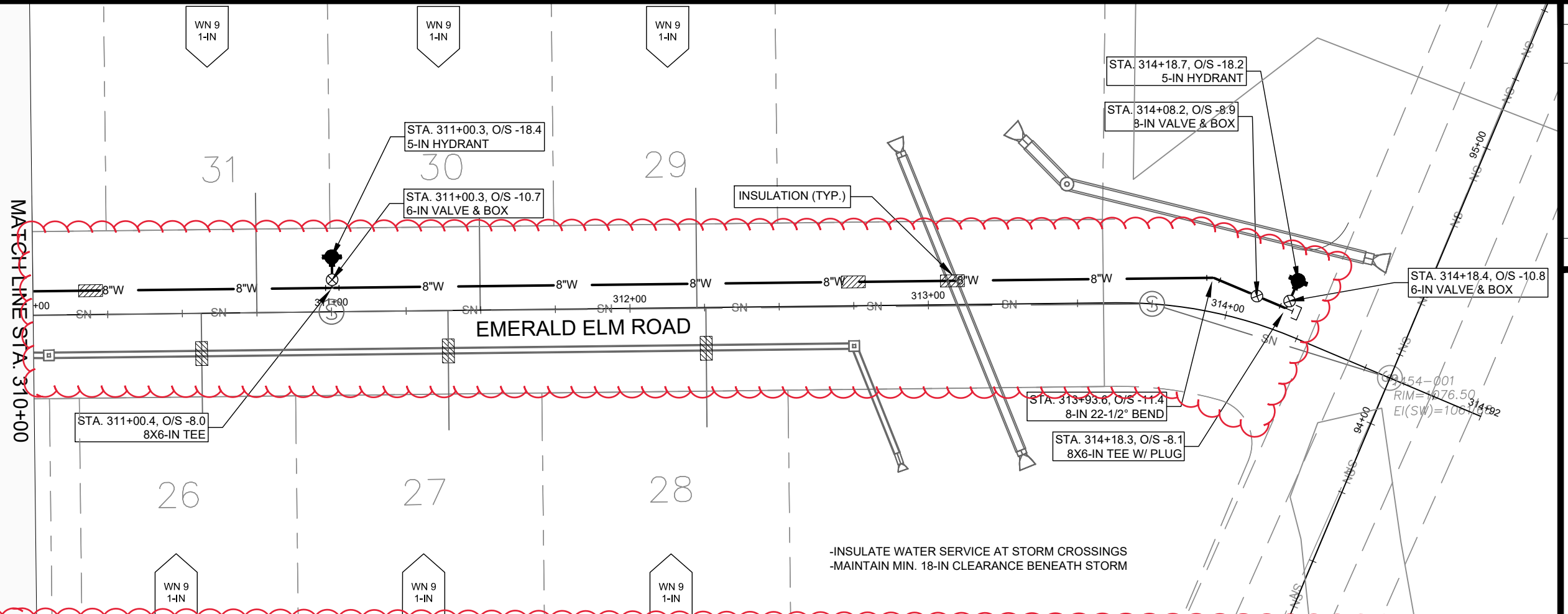
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13910
MADISON, WI
CONTRACT NO: 9126

EMERALD ELM ROAD - WATER PLAN & PROFILE
WESTWIND
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13910
W-11



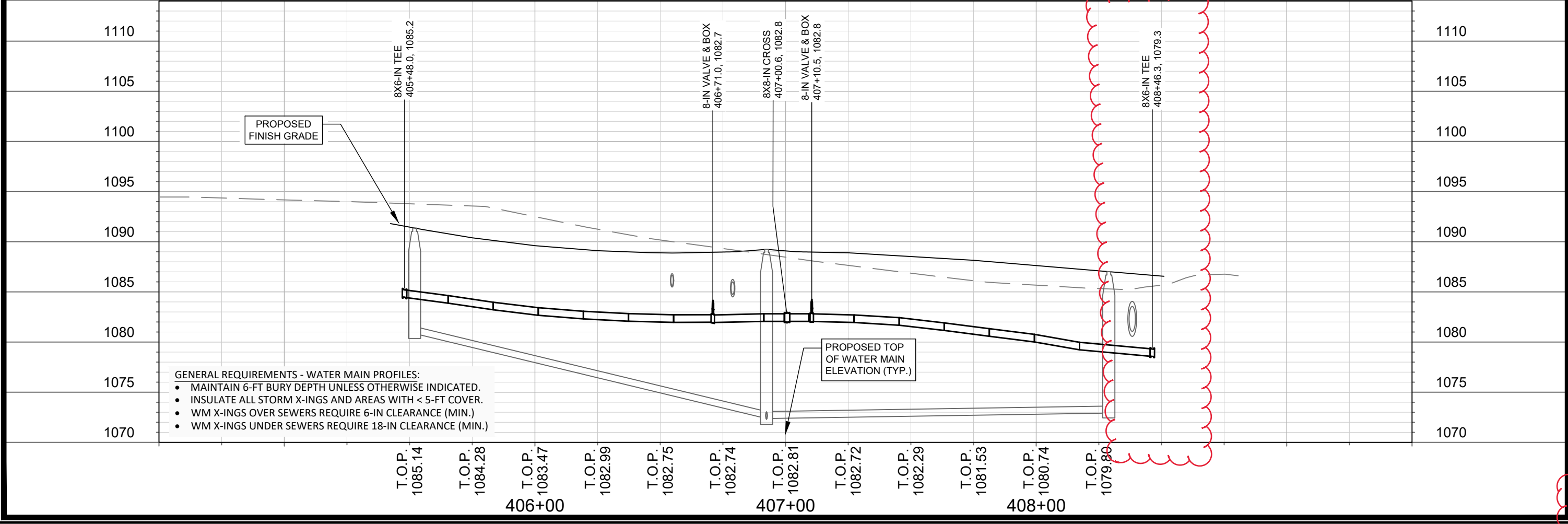
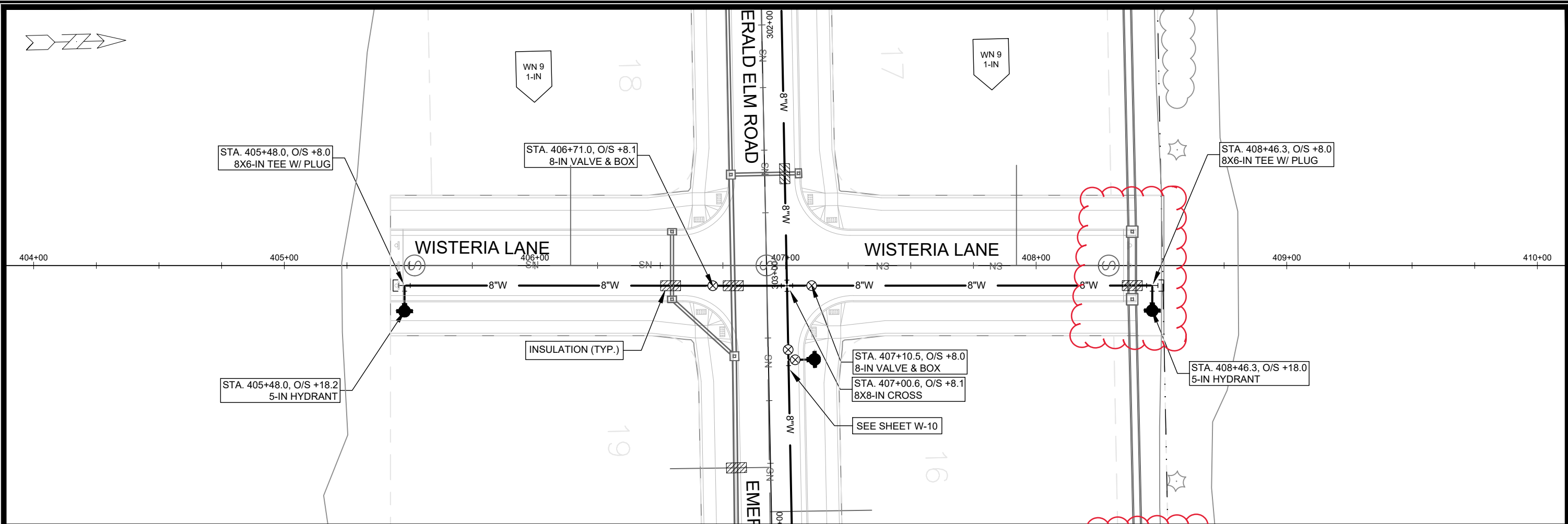
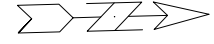
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13910
MADISON, WI
9126
CONTRACT NO:

EMERALD ELM ROAD - WATER PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\13910\CAD\Water\13910 WU-Water 6.21.23.dwg



13910
W-12



- 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.)

MARK	REVISION	DATE	BY
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Scale: 1" = 40'

Designed By: 13910

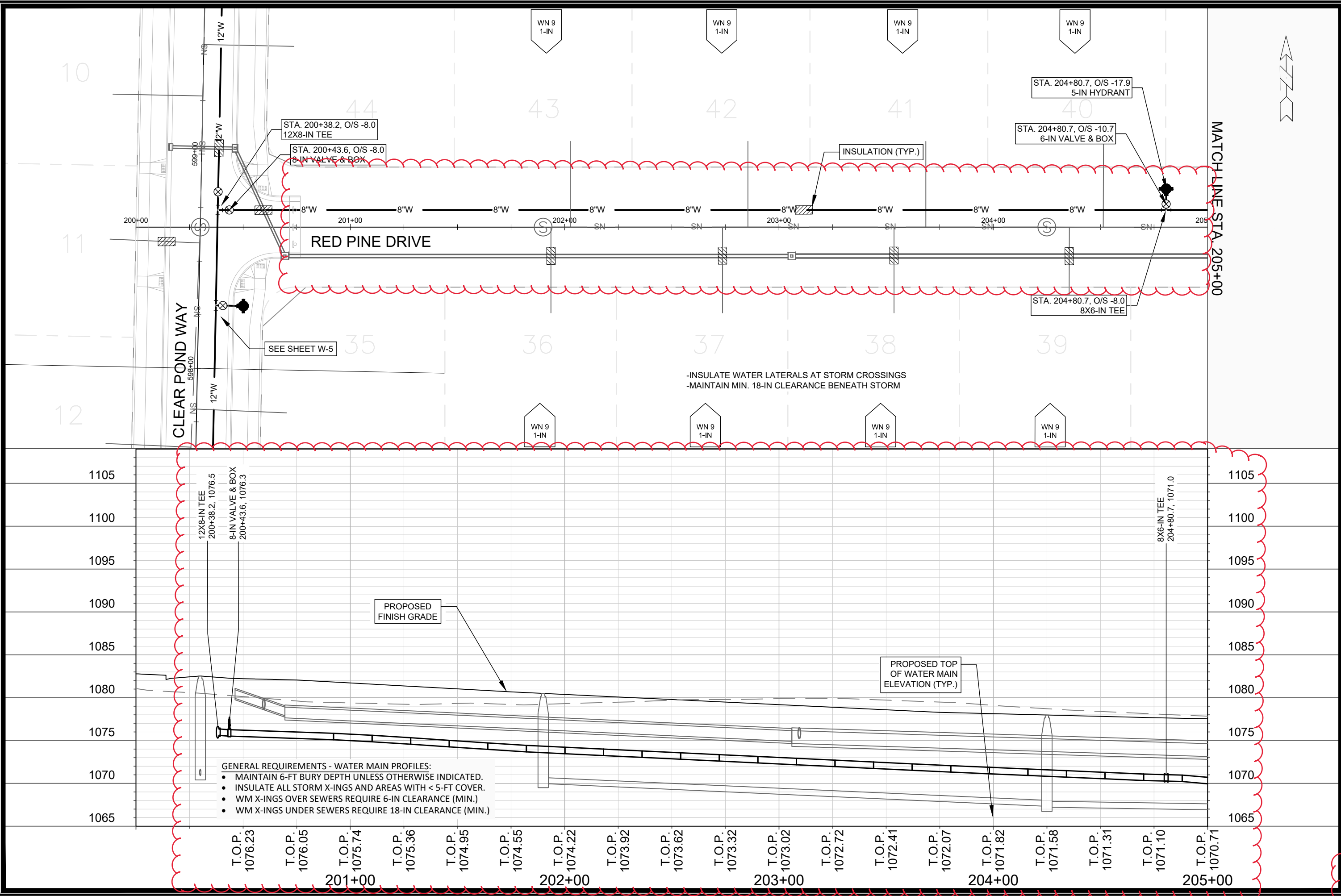
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13910
 MADISON, WI
 CONTRACT NO: 9126

WISTERIA STREET - WATER PLAN & PROFILE
 WESTWIND
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13910
 W-13



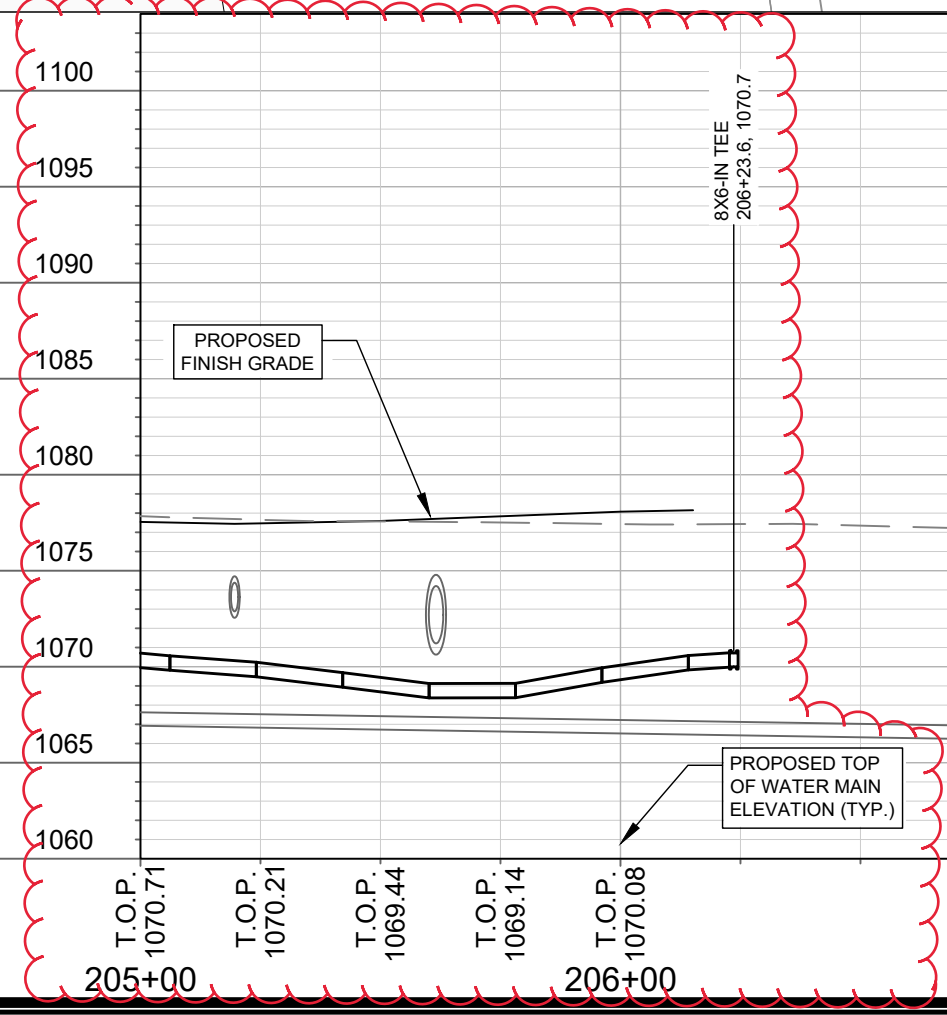
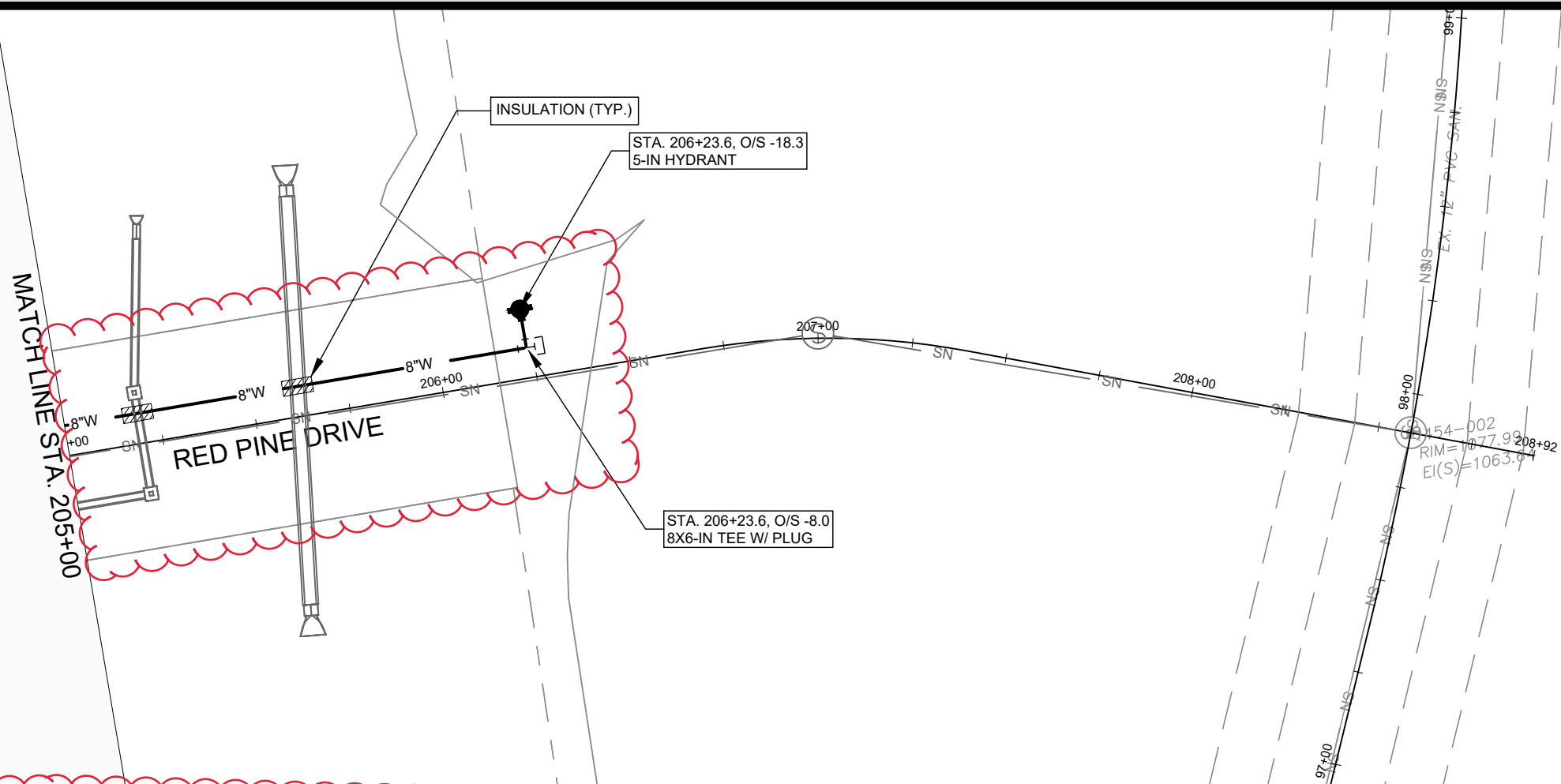
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13910
 MADISON, WI
 CONTRACT NO: 9126

RED PINE DRIVE - WATER PLAN & PROFILE
 WESTWIND
 M:\DESIGN\Projects\13910\CAD\Water\13910 WU-Water 6.21.23.dwg



13910
 W-14




- 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.)

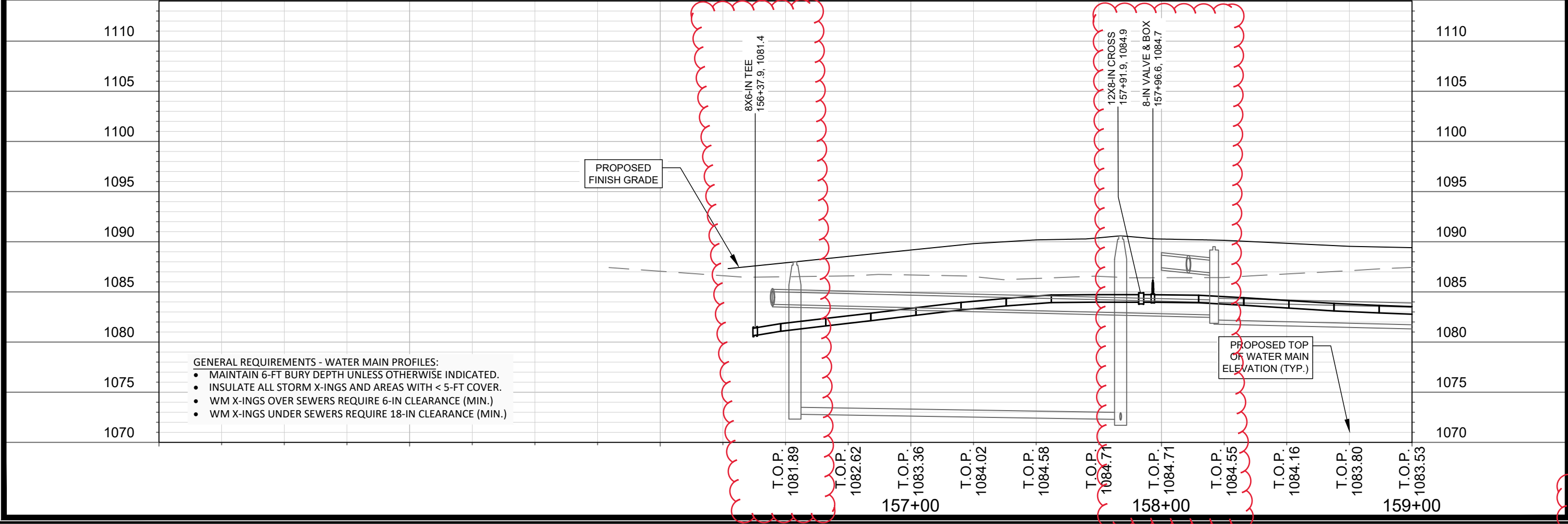
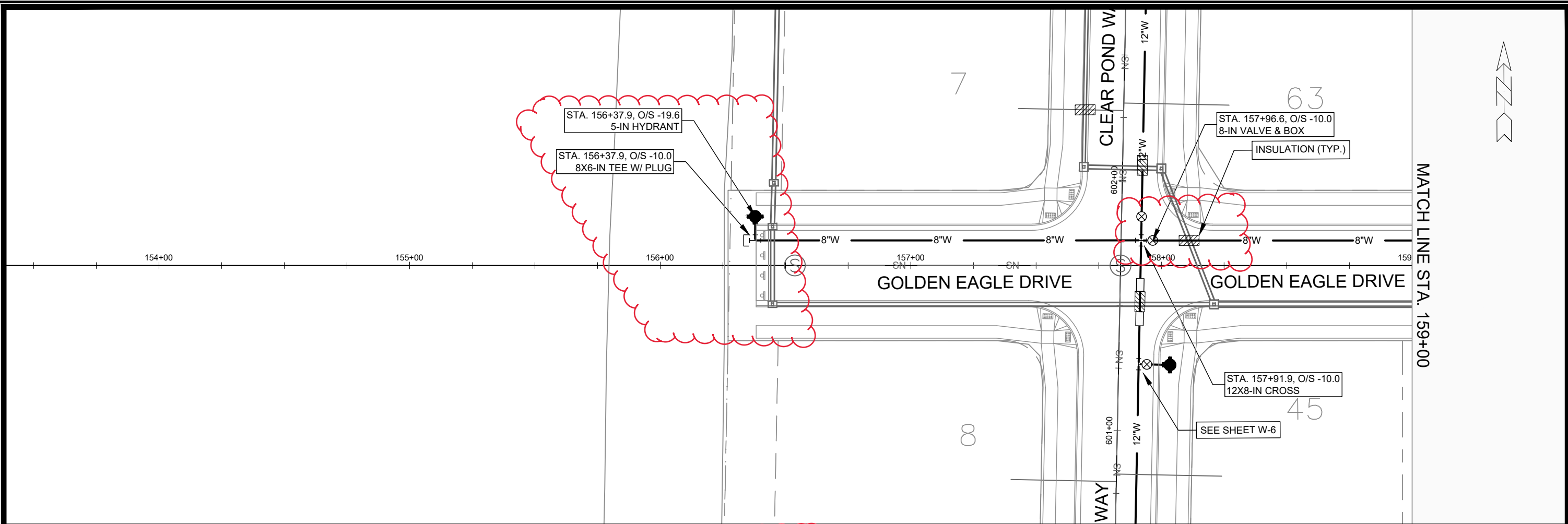
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13910
MADISON, WI
CONTRACT NO: 9126

RED PINE DRIVE - WATER PLAN & PROFILE
WESTWIND
M:\DESIGN\Projects\13910\CAD\Water\13910 WU-Water 6.21.23.dwg



13910
W-15



- 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.)

13910
MADISON, WI
CONTRACT NO: 9126

GOLDEN EAGLE DRIVE - WATER PLAN & PROFILE
WESTWIND

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13910
W-16

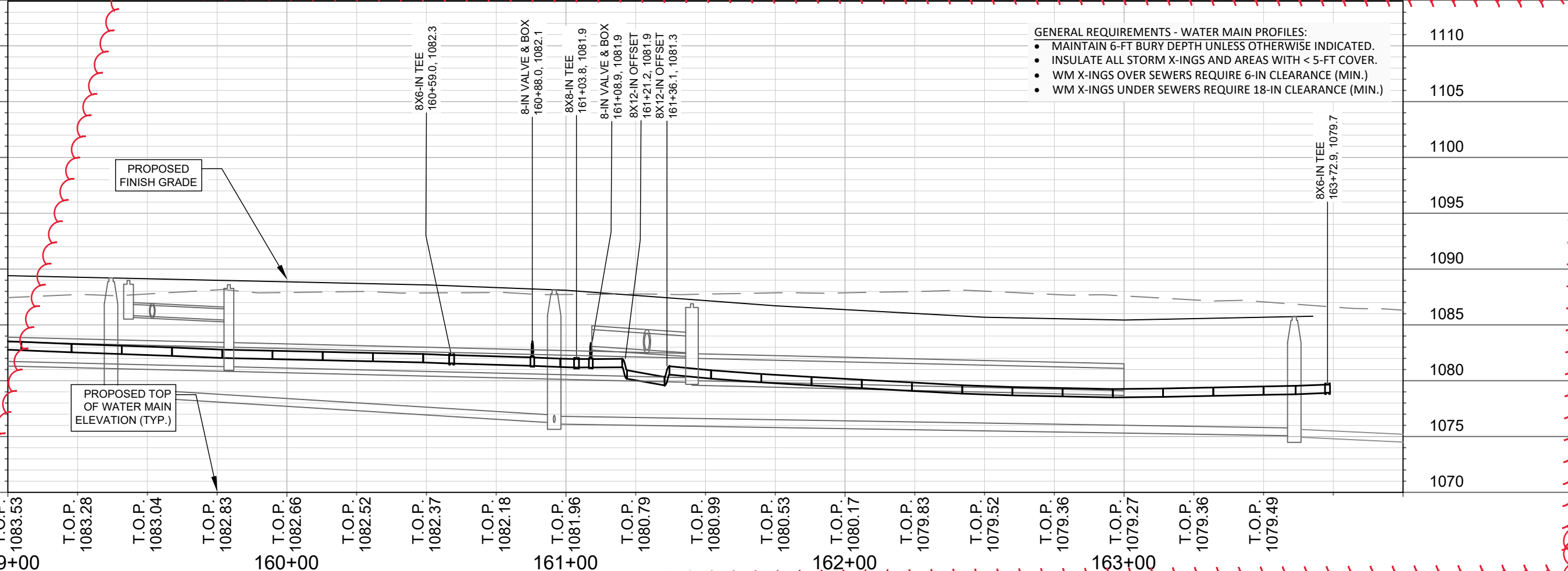
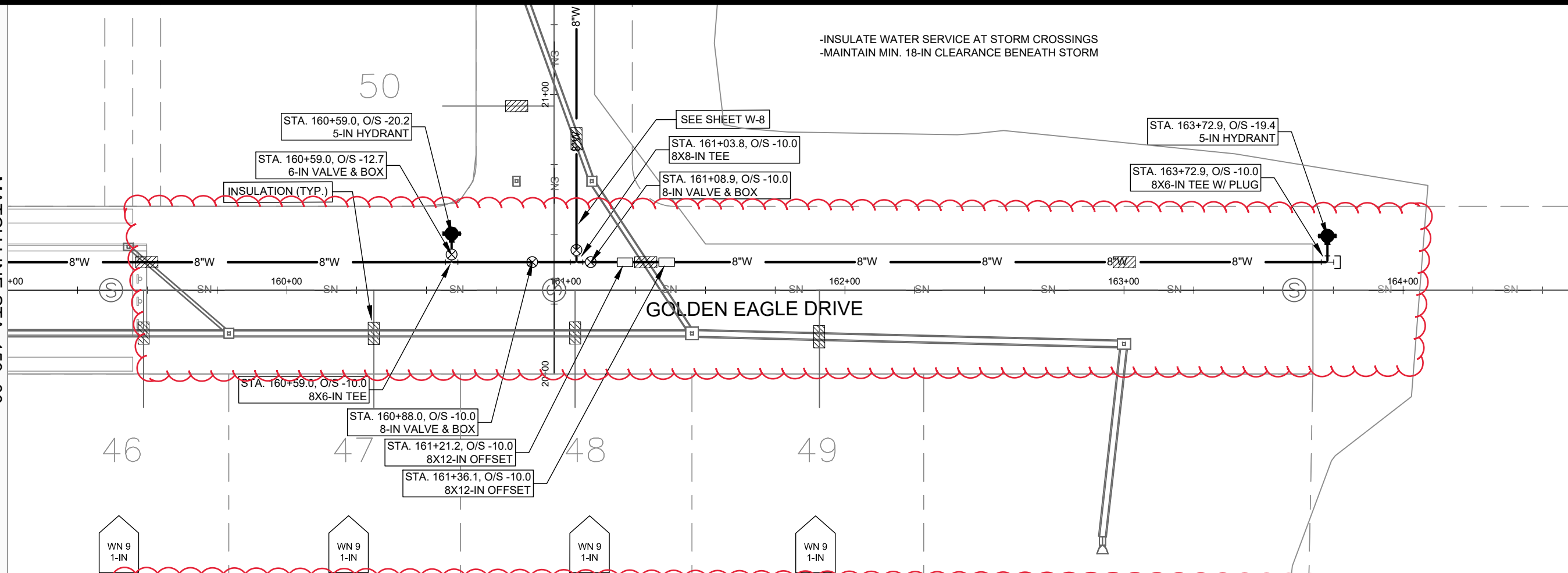
MARK	REVISION	DATE	BY

Designed By: --- Date: 8/24/2023 9:29 AM Scale: 1" = 40'
13910 W-16



MATCH LINE STA. 159+00

-INSULATE WATER SERVICE AT STORM CROSSINGS
-MAINTAIN MIN. 18-IN CLEARANCE BENEATH STORM



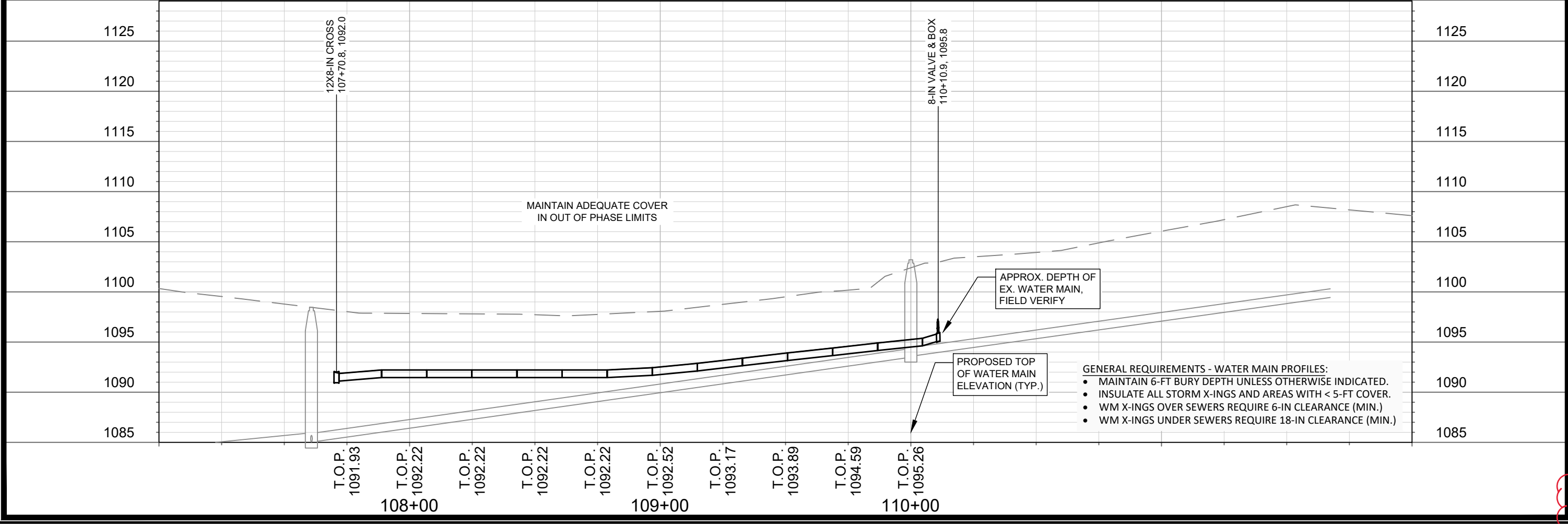
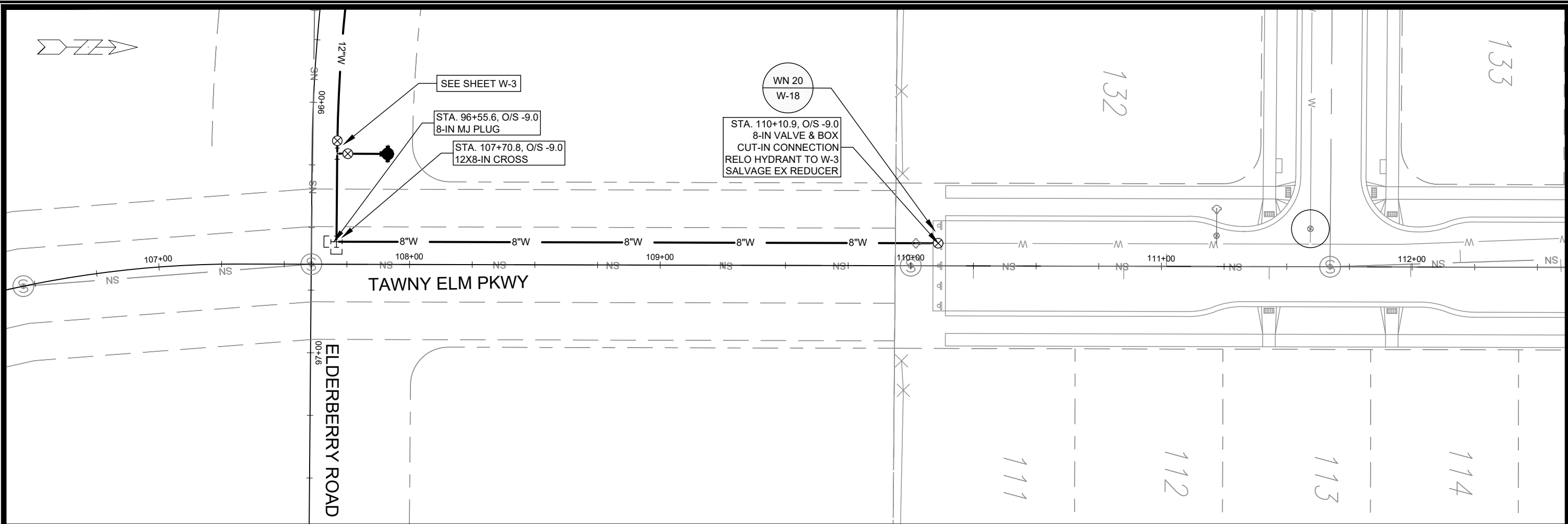
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MADISON, WI
CONTRACT NO: 9126

GOLDEN EAGLE DRIVE - WATER PLAN & PROFILE
WESTWIND
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13910
W-17



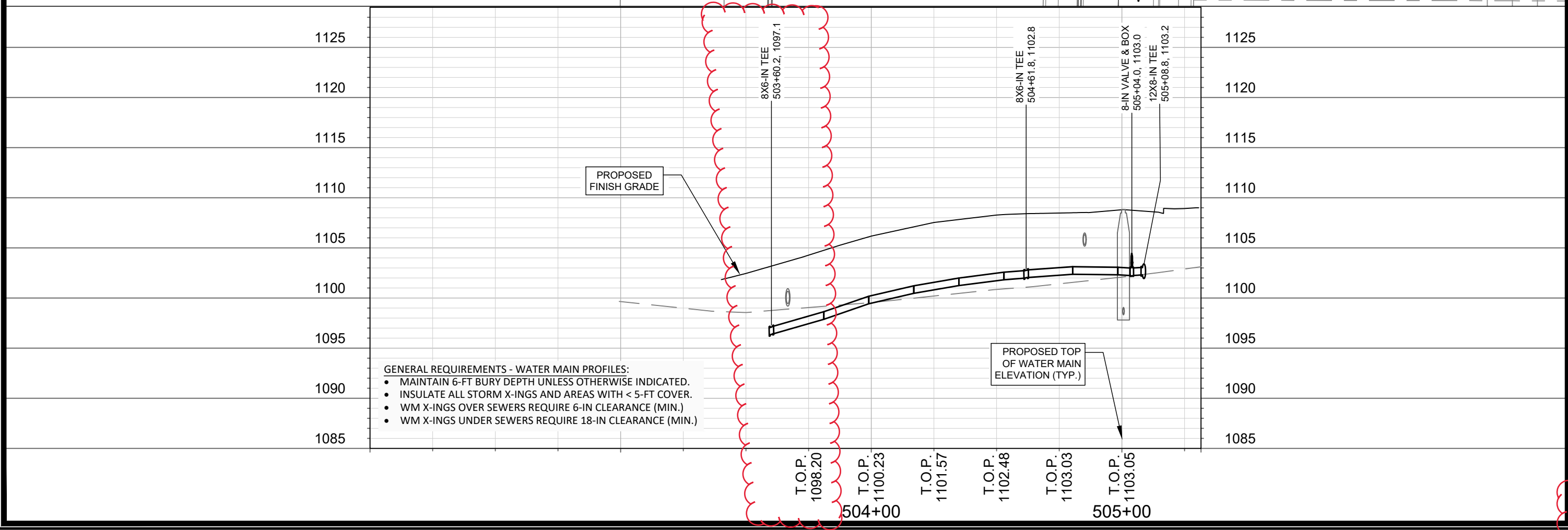
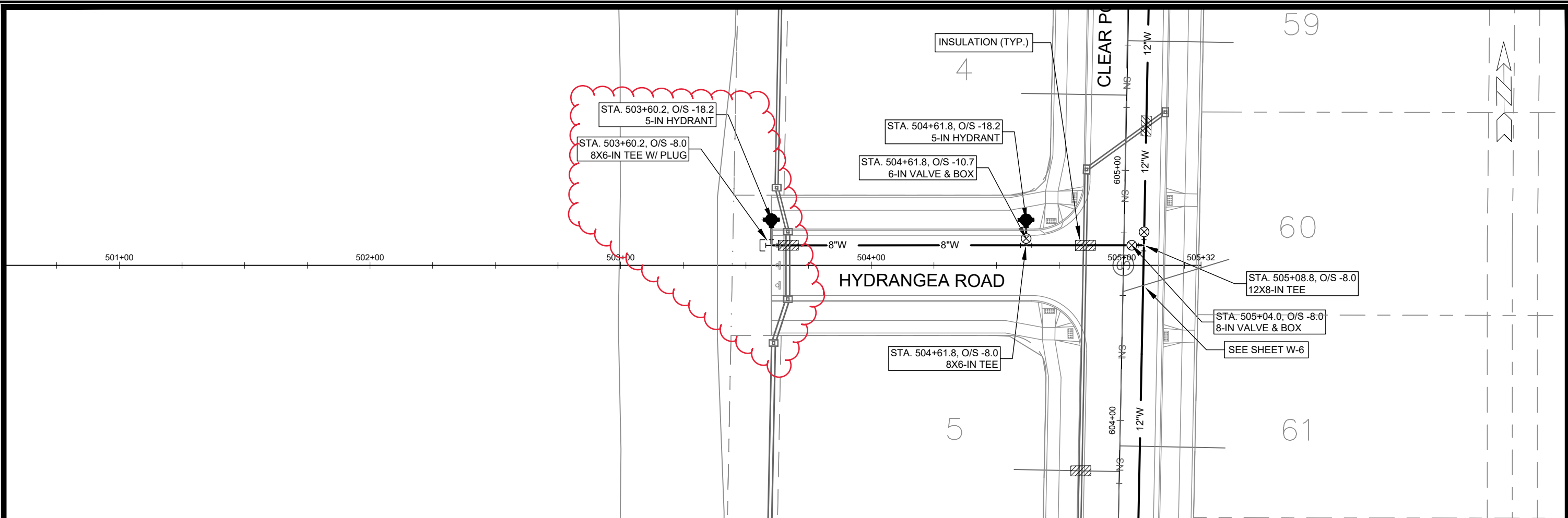
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13910
MADISON, WI
CONTRACT NO: 9126

TAWNY ELM PARKWAY - WATER PLAN & PROFILE
WESTWIND
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13910
W-18

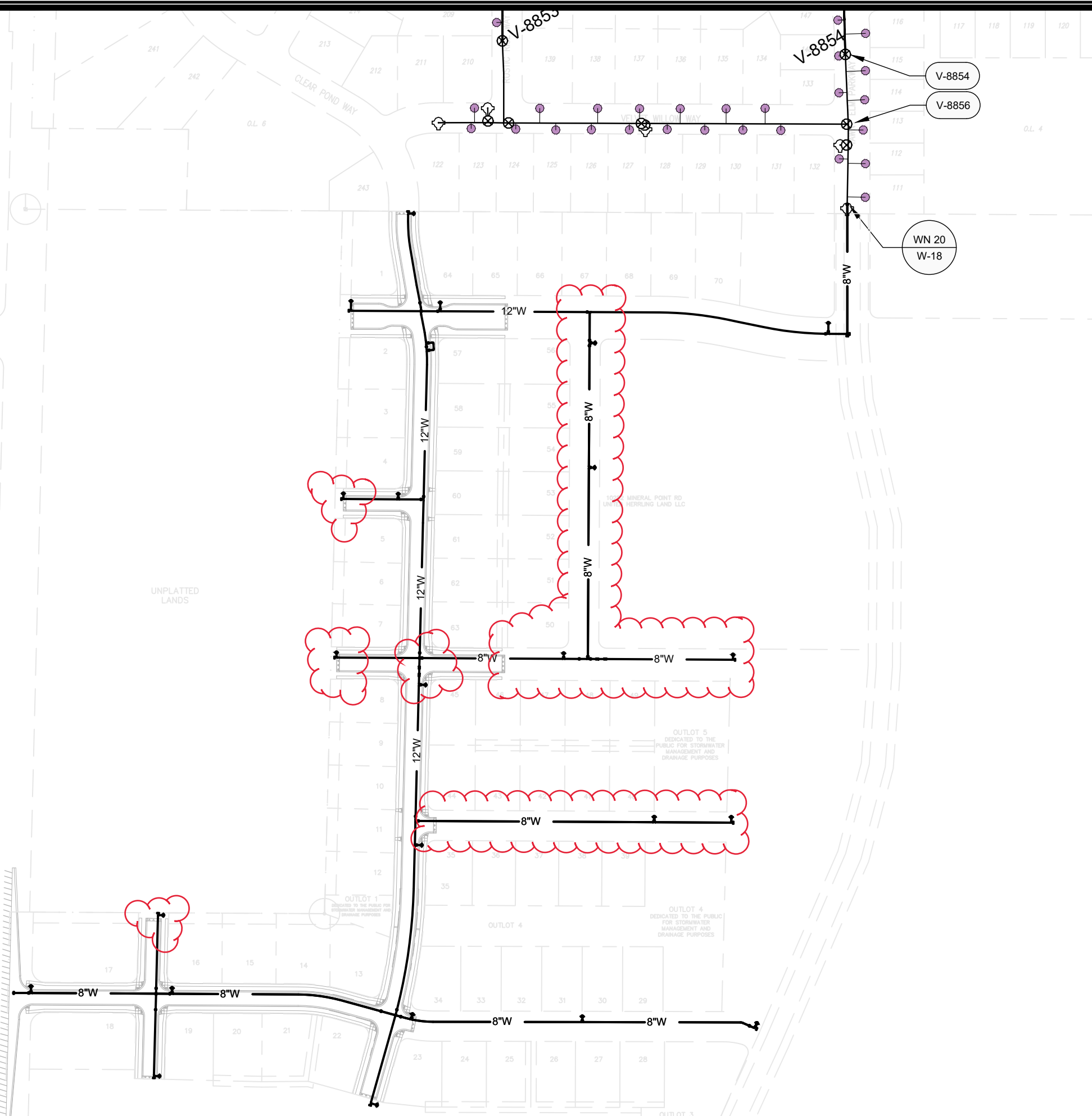


13910
MADISON, WI
WESTWIND
13910
W-19

HYDRANGEA ROAD - WATER PLAN & PROFILE
CONTRACT NO: 9126

DESIGNED BY: 13910
DATE: 8/24/2023 9:31 AM
REVISION: 13910
SCALE: 1" = 40'
BY: W-19

M:\DESIGN\Projects\13910\CAD\Water\13910 WU-Water 6.21.23.dwg



1" = 200'

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

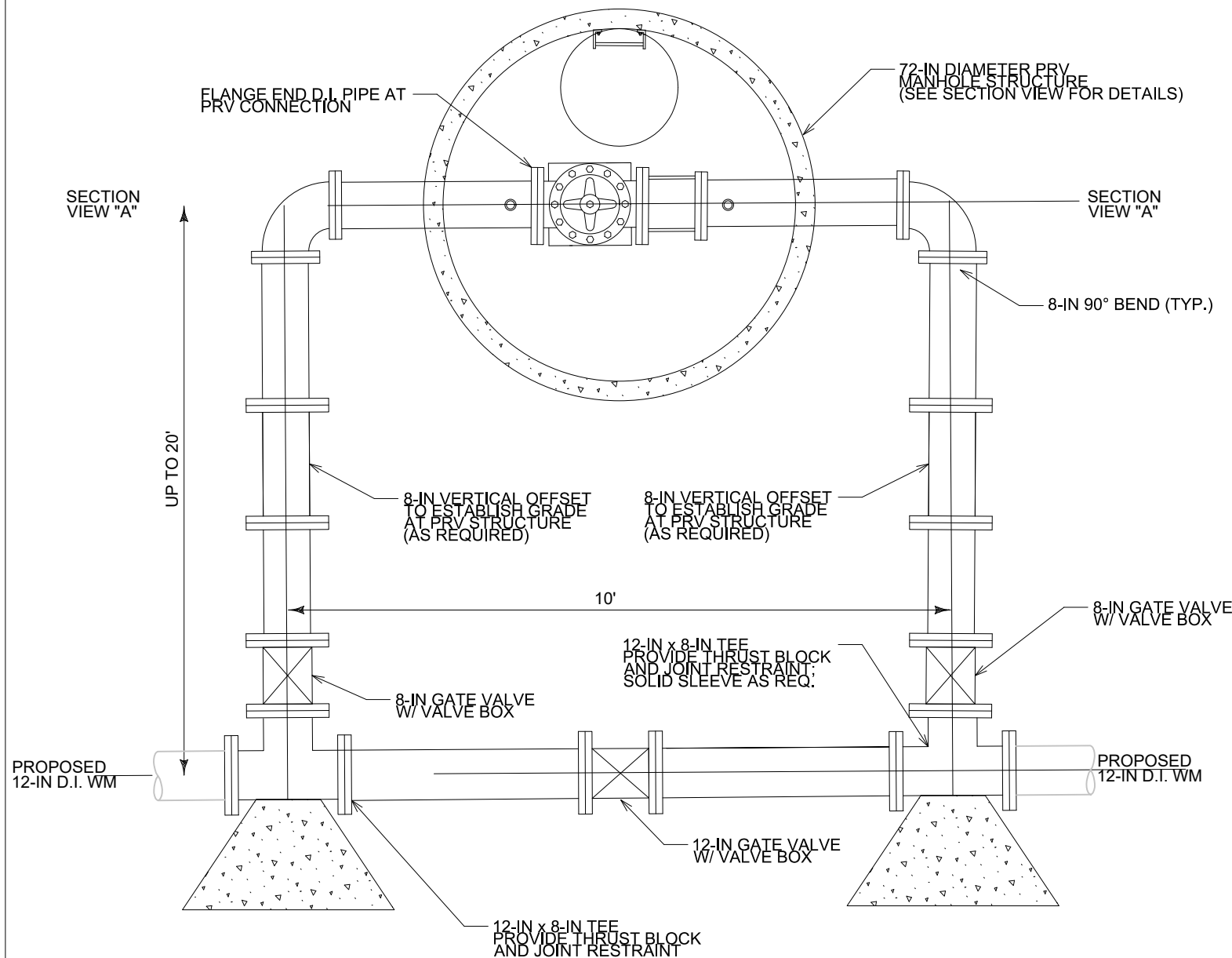
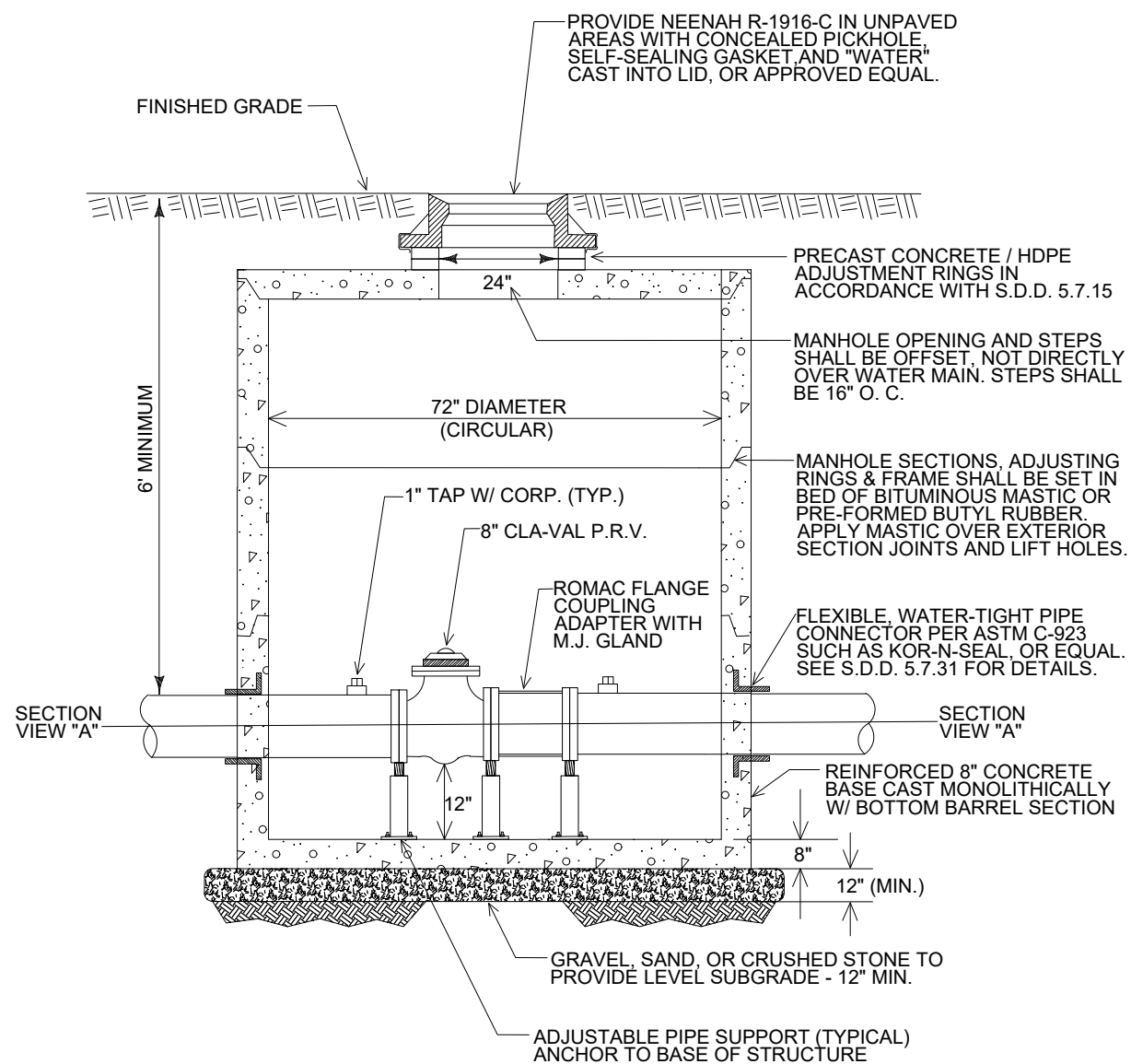


13910
 W-20

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



**PRESSURE REDUCING VALVE MANHOLE
(SECTION A-A - NTS)**



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

NOTES:

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.

SCALE: N/A

DESIGNED BY: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/19/23

CONTRACT NO: 9126

WESTWIND
PRESSURE REDUCING VALVE DETAIL
CITY OF MADISON, WISCONSIN



13910
W-21



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.

- 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.

WATER UTILITY ULO SCHEDULE

ULO	UTILITY	STATION	OFFSET	SHEET
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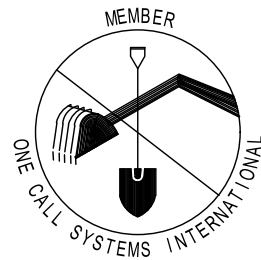
***ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

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.			

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.

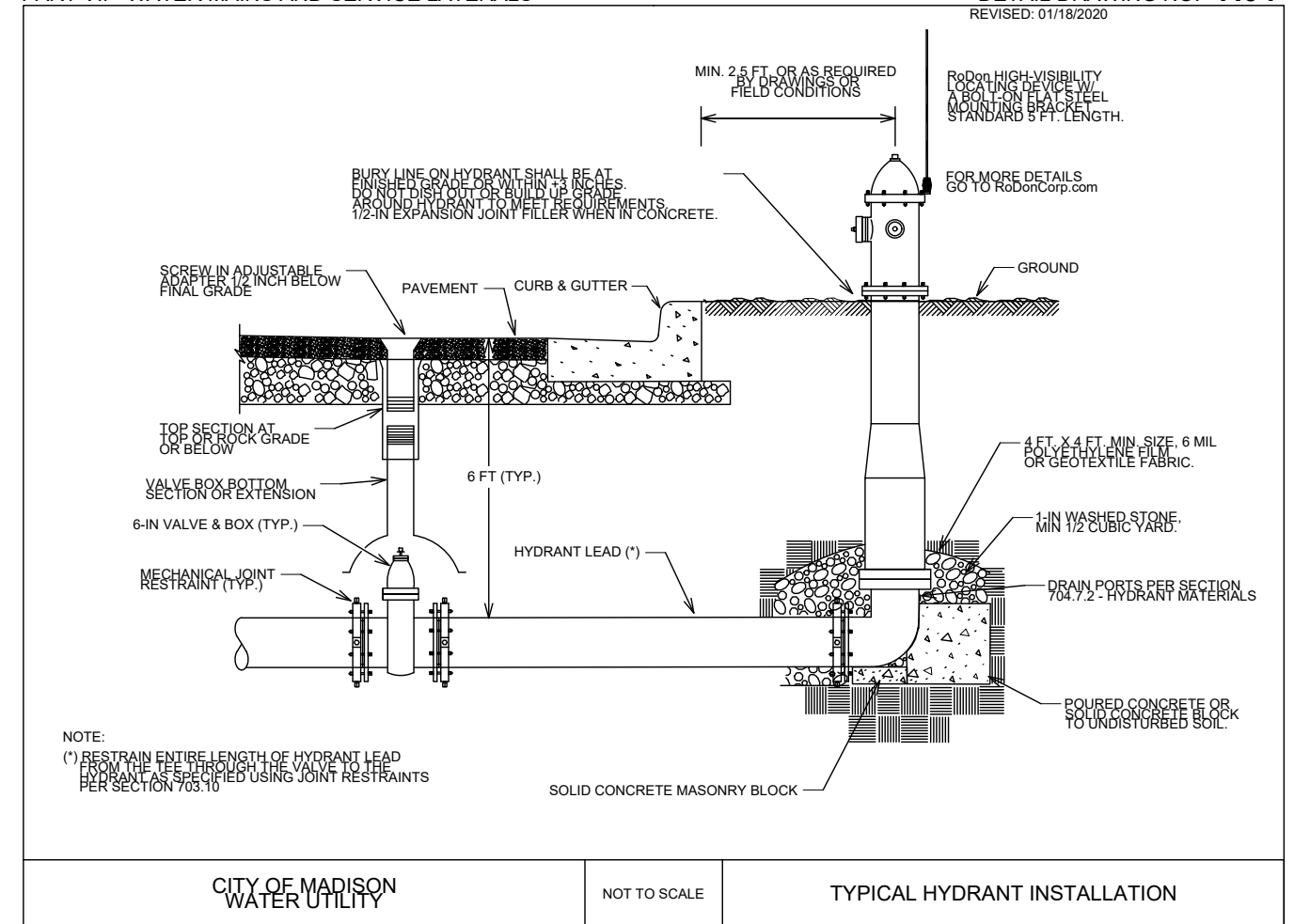


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 01/18/2020



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

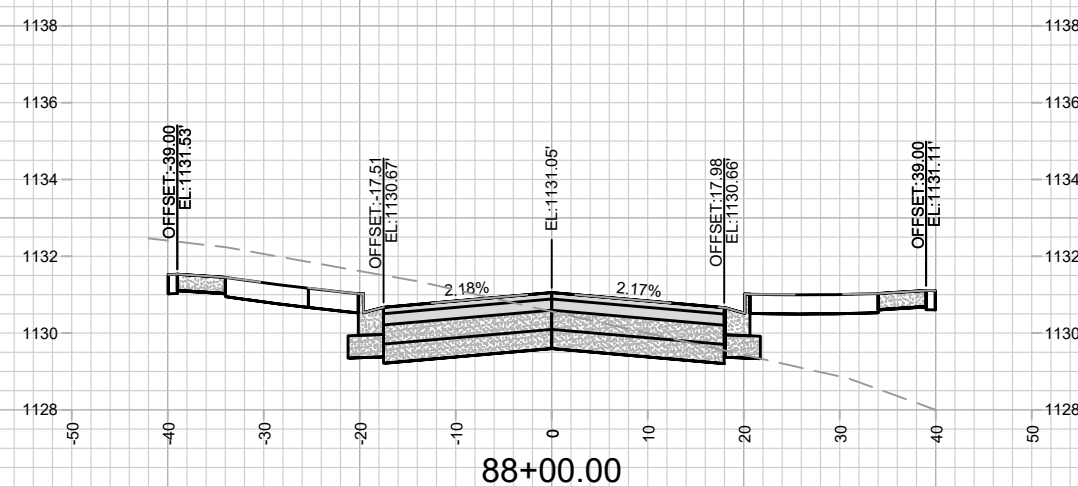
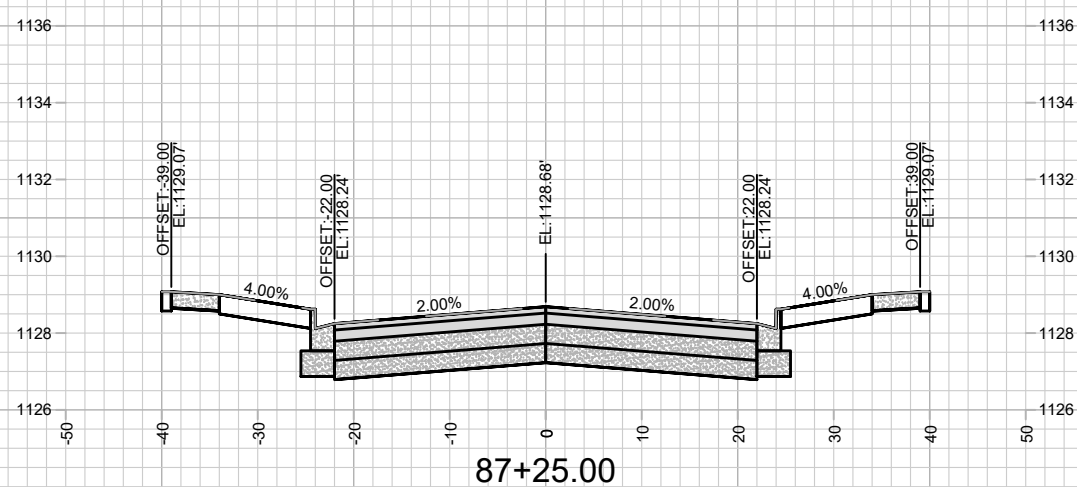
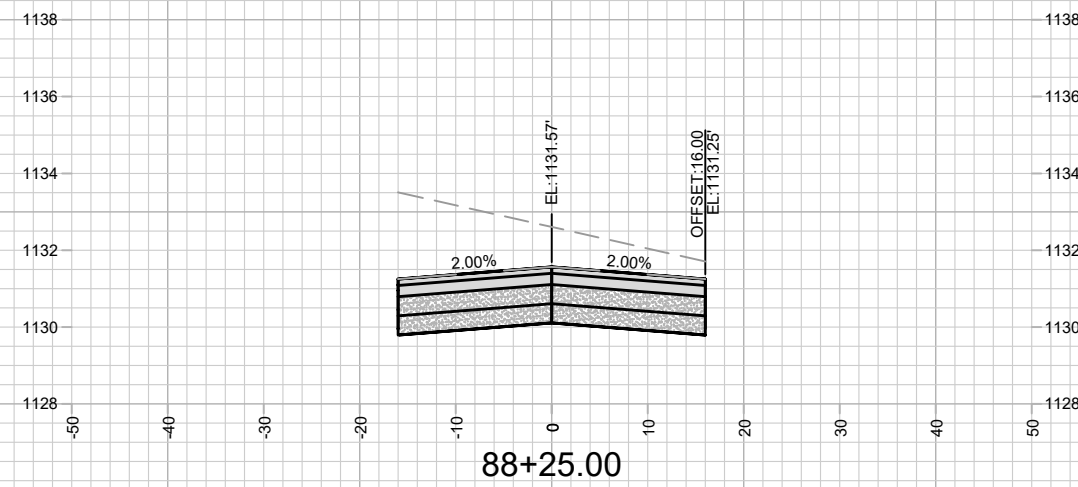
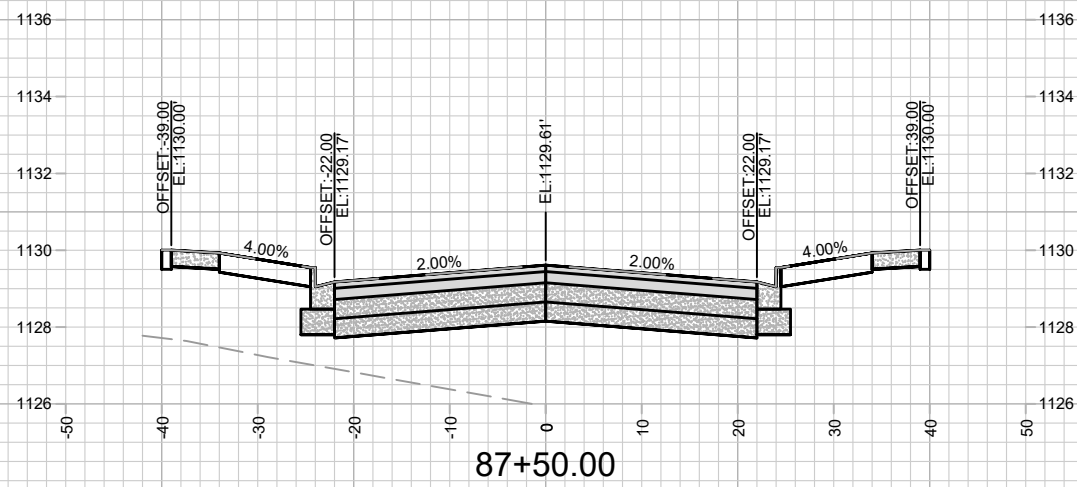
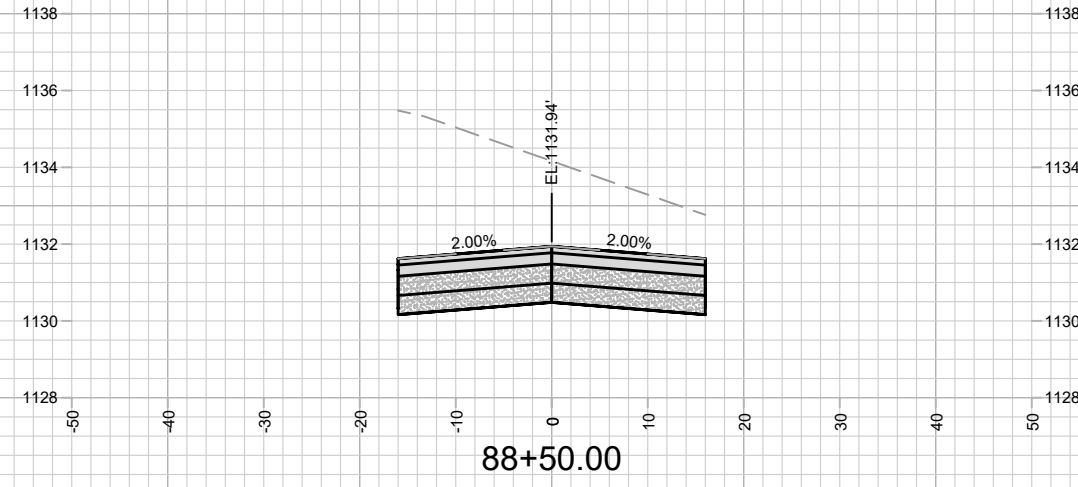
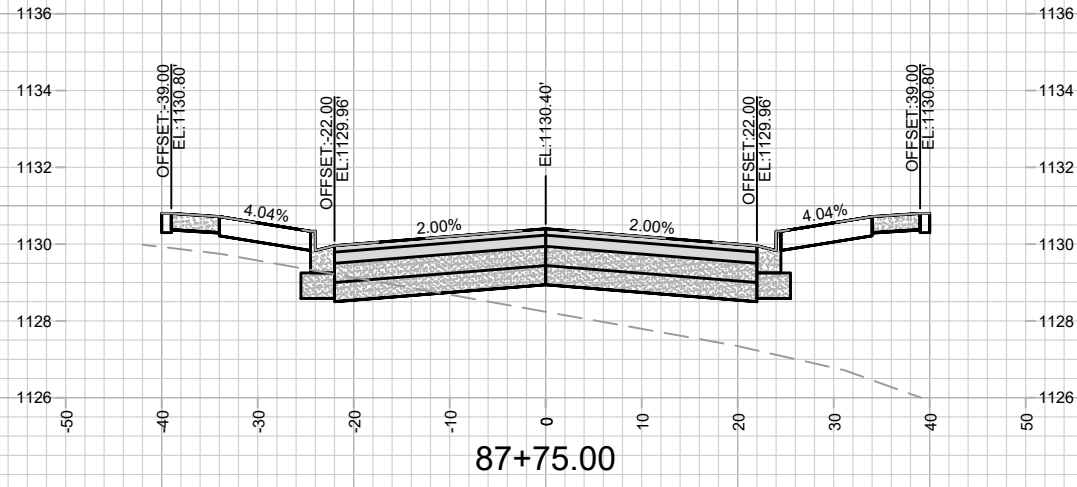
CONTRACT NO: 9126

WESTWIND
WATER ESTIMATE OF MATERIALS
CITY OF MADISON, WISCONSIN



13910
W-22

PROJECTS\13910\CAD\WATER\13910 WU-MATERIALS.DWG



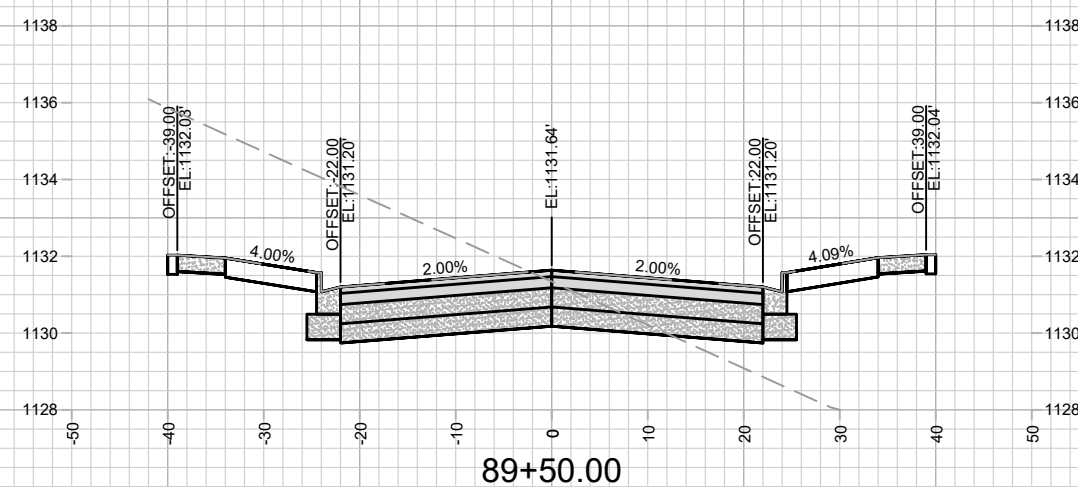
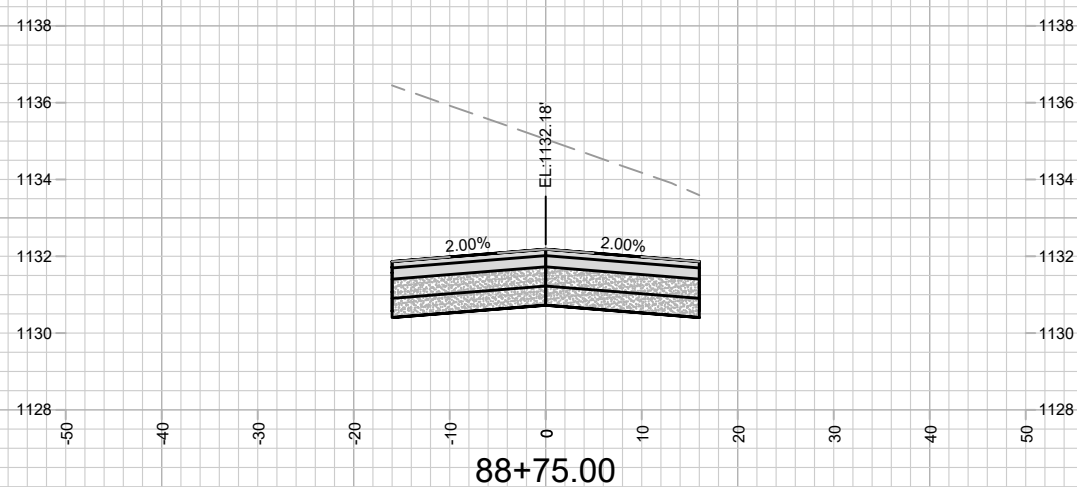
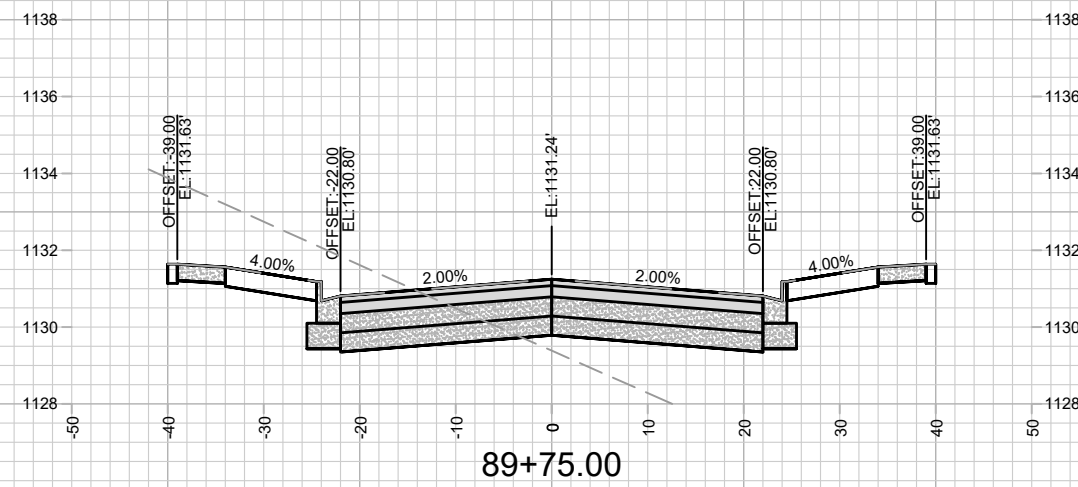
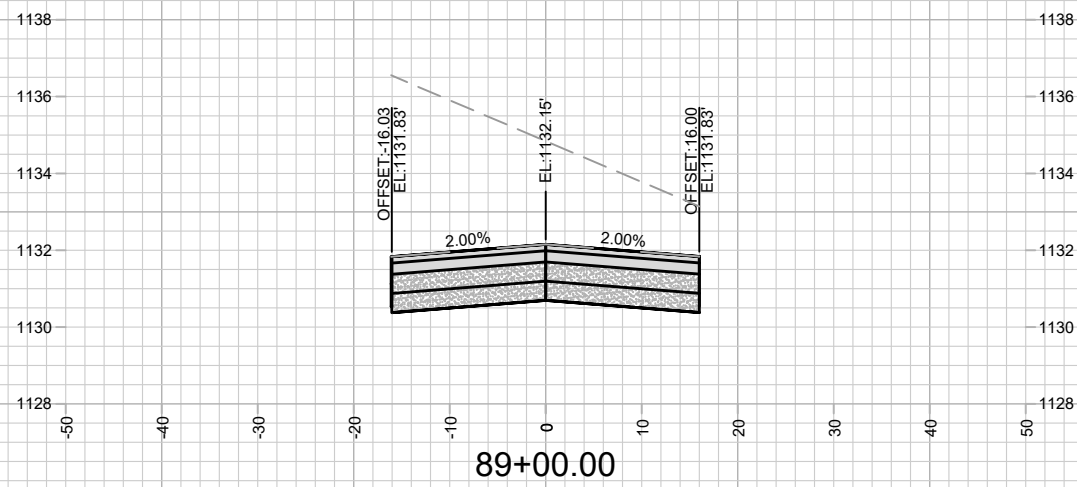
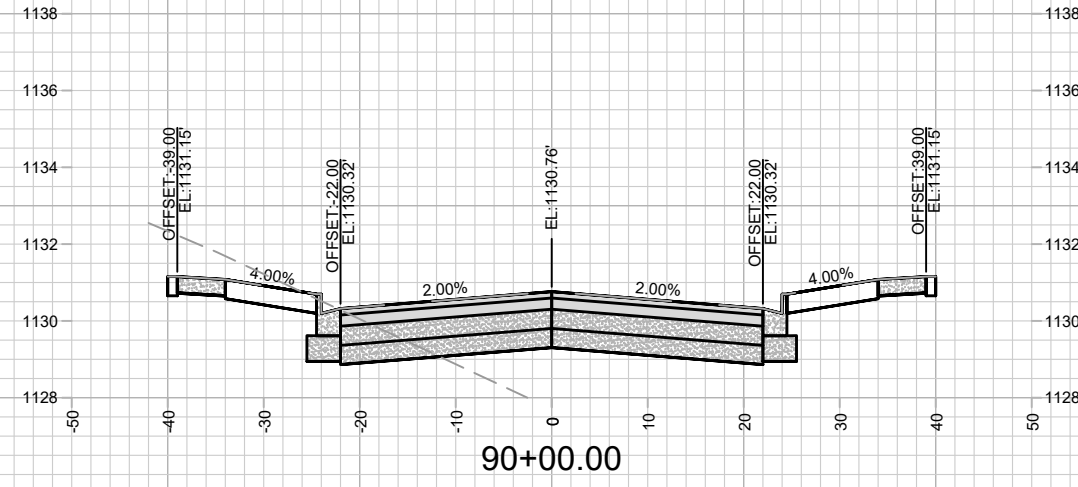
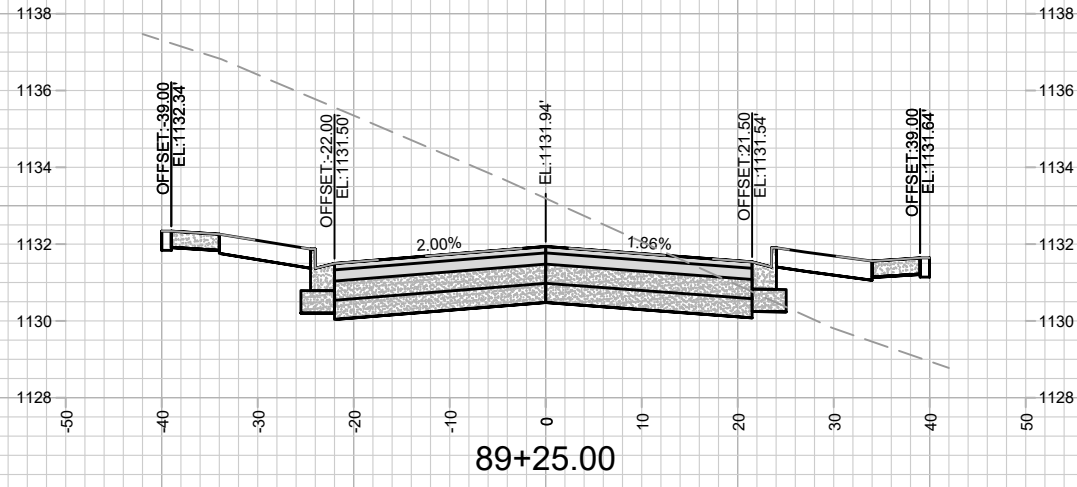
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13910
MADISON, WI
9126
CONTRACT NO:

CROSS SECTIONS - ELDERBERRY ROAD
WESTWIND
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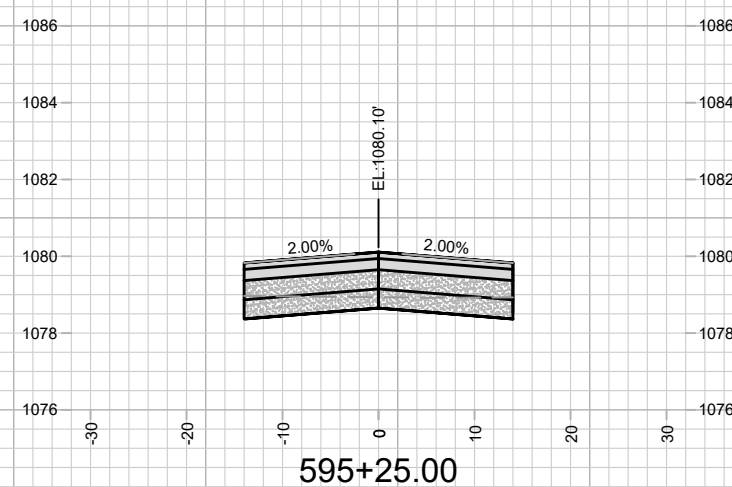
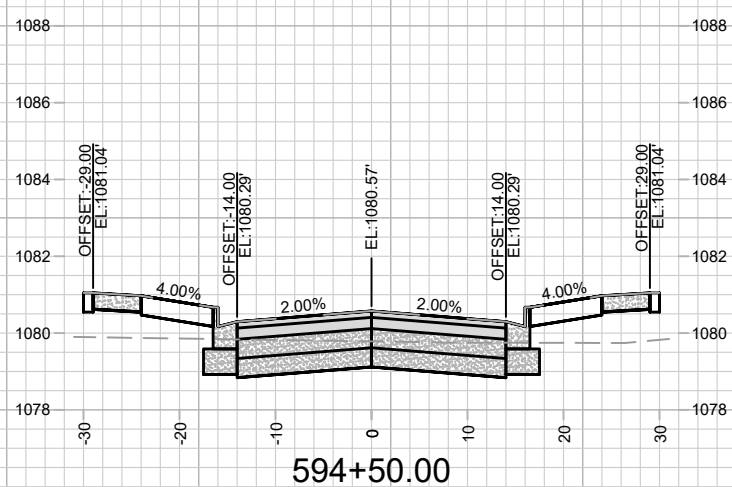
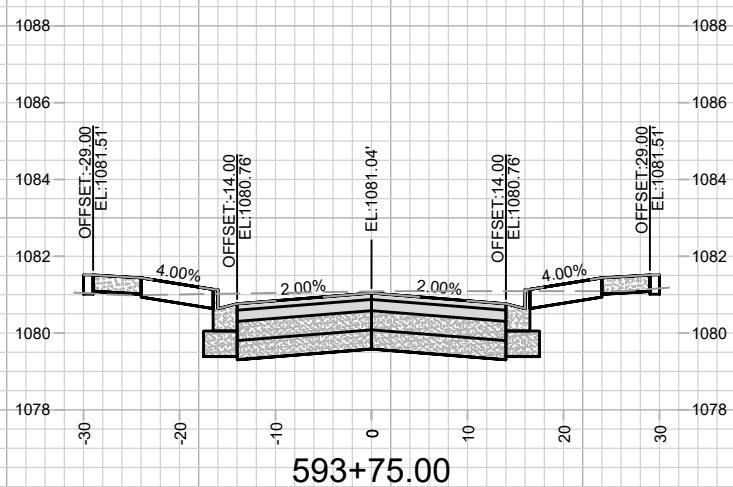
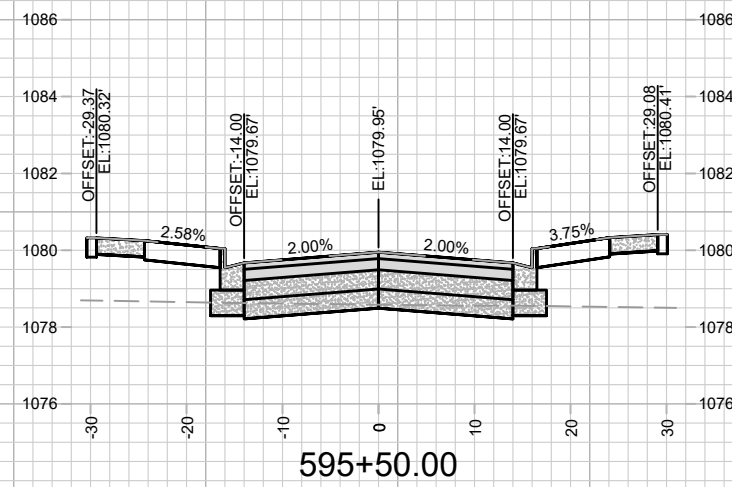
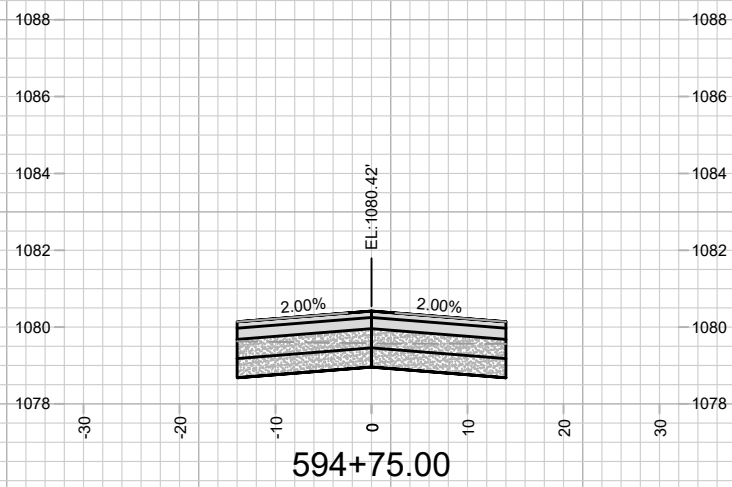
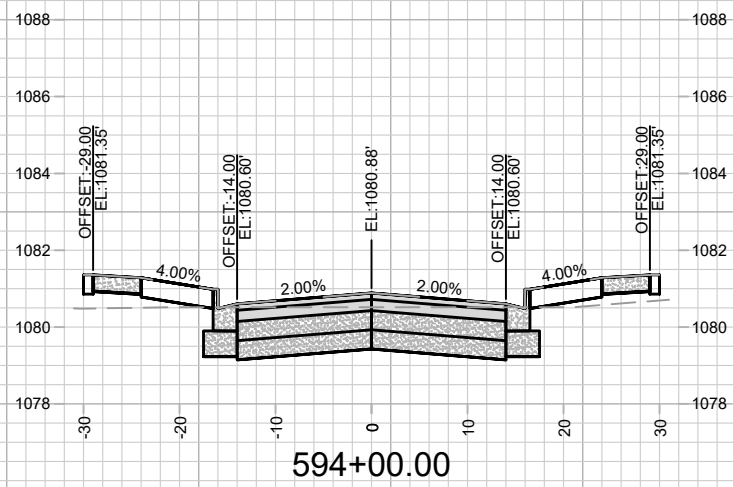
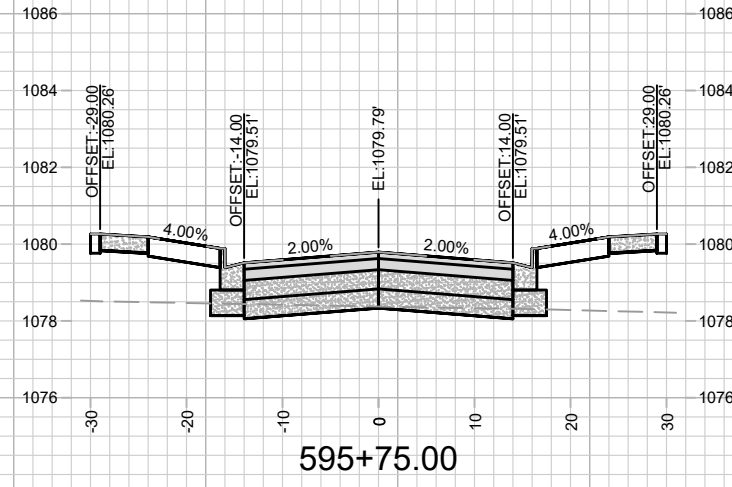
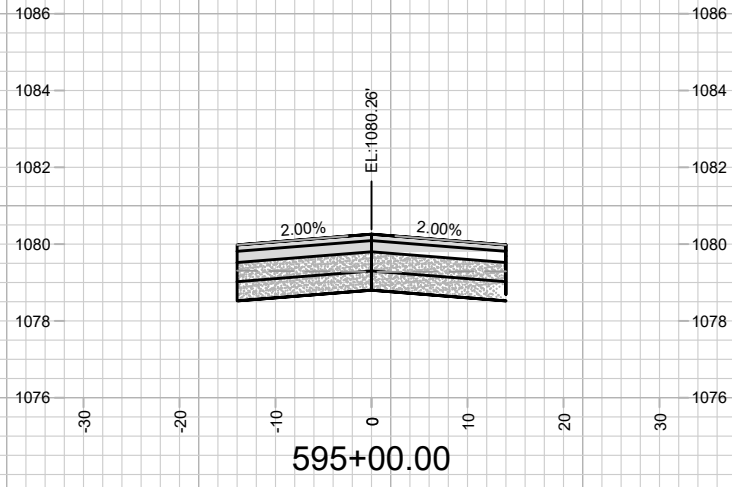
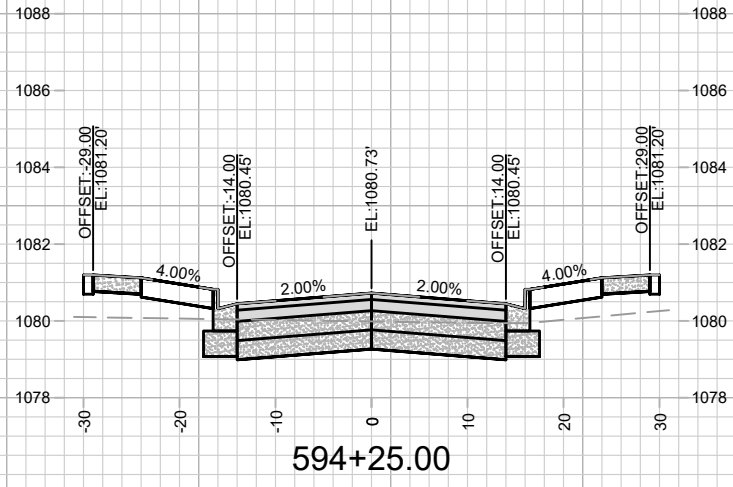
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MARK	REVISION	DATE	BY
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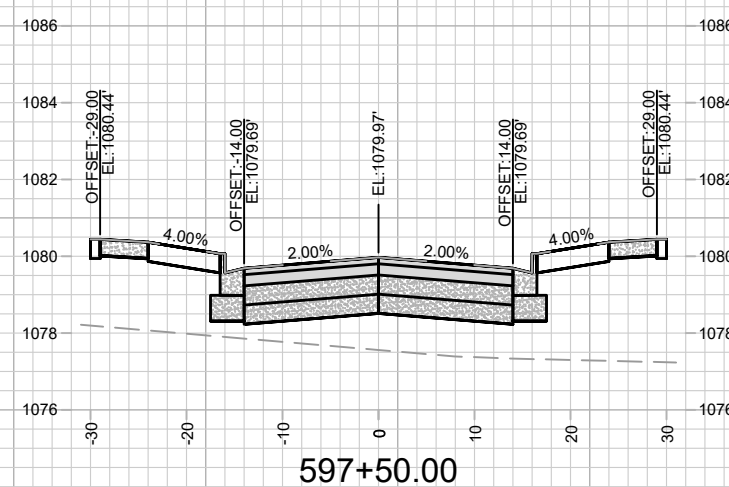
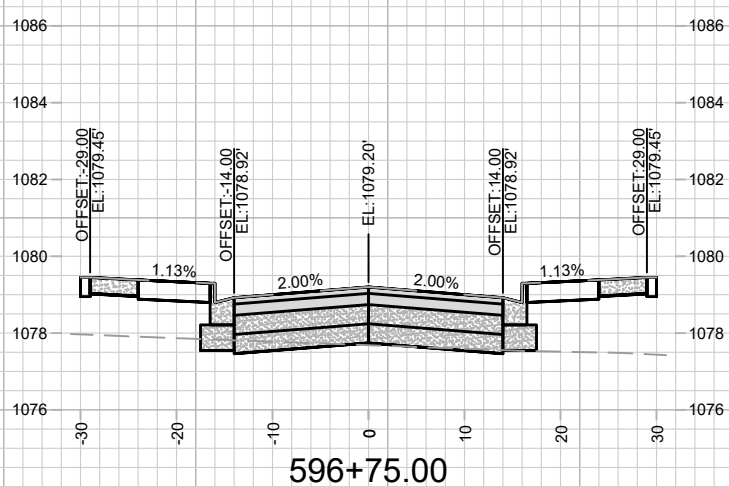
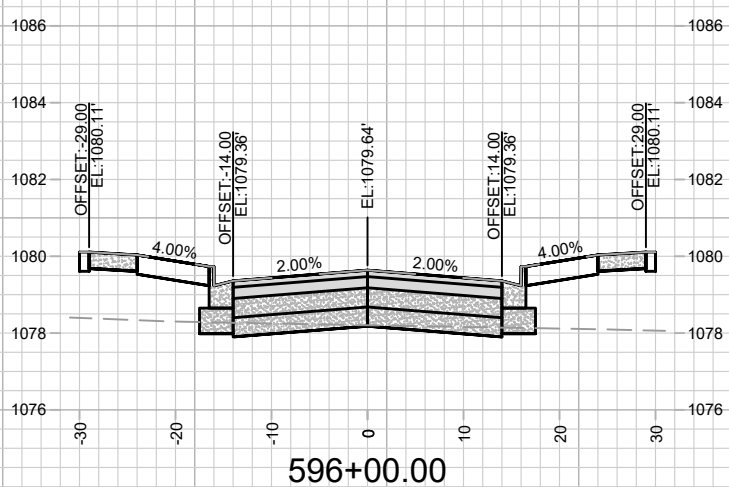
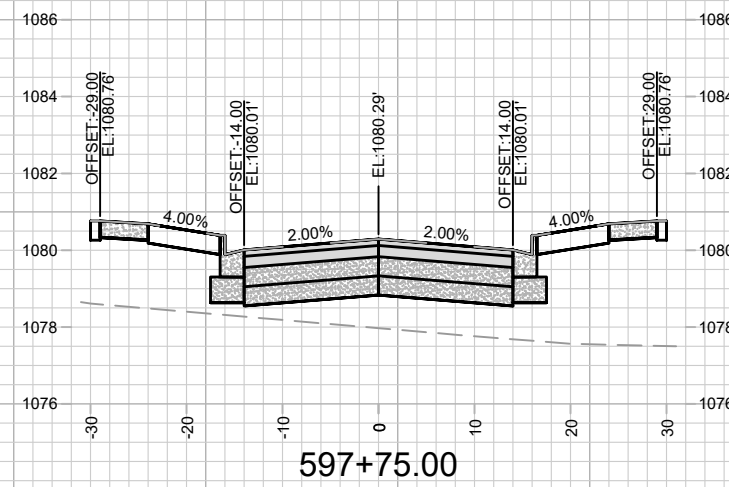
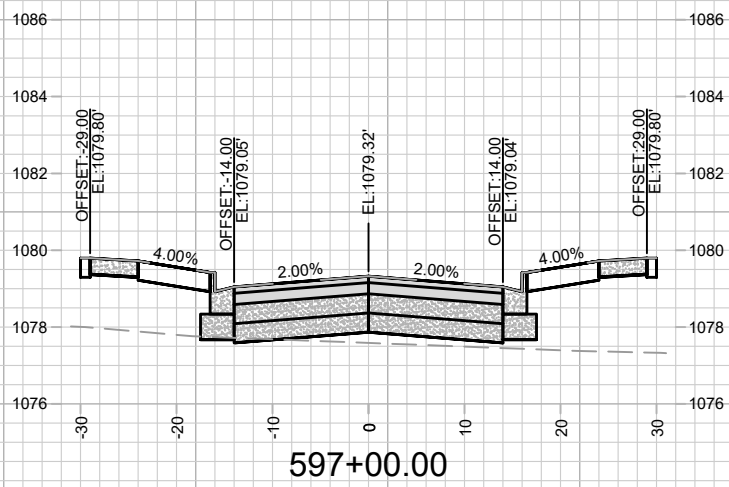
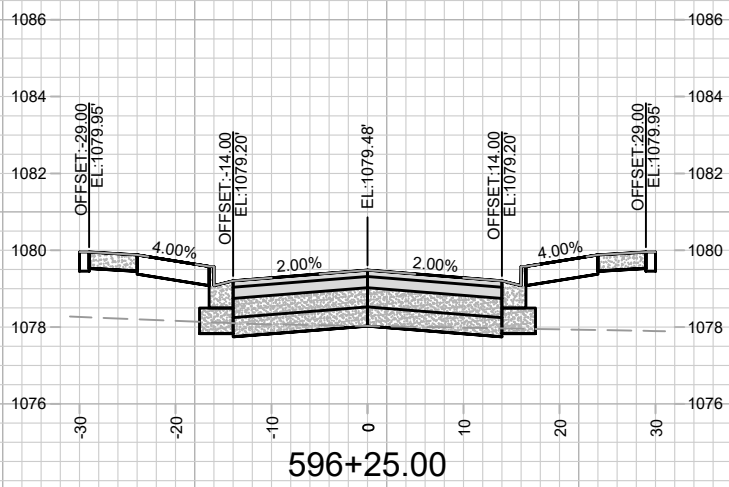
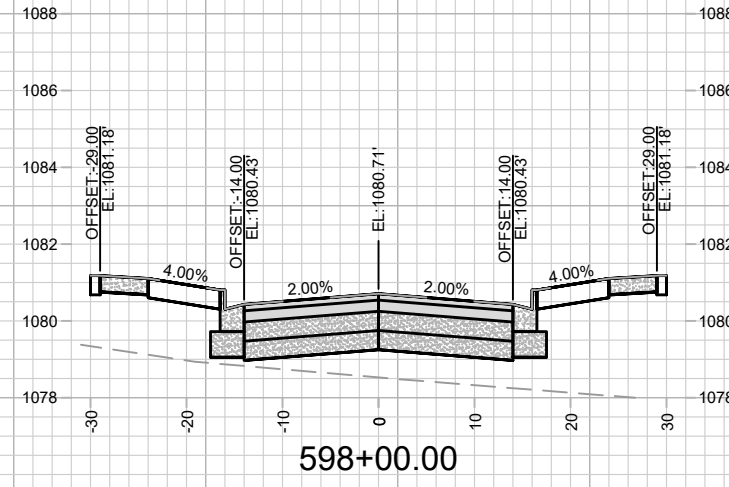
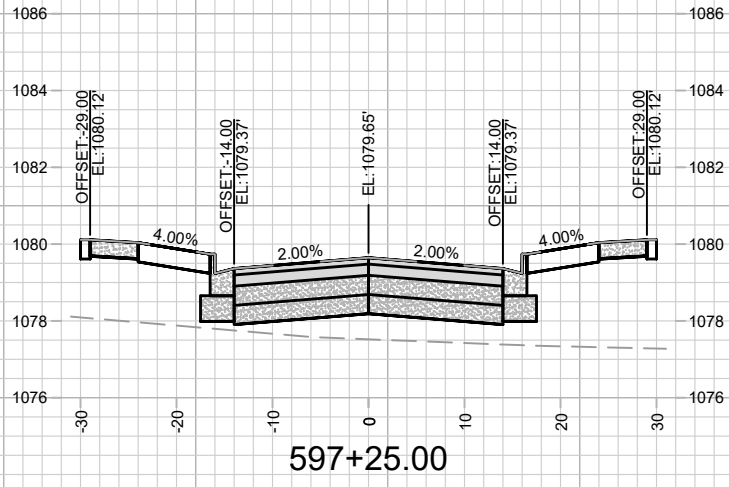
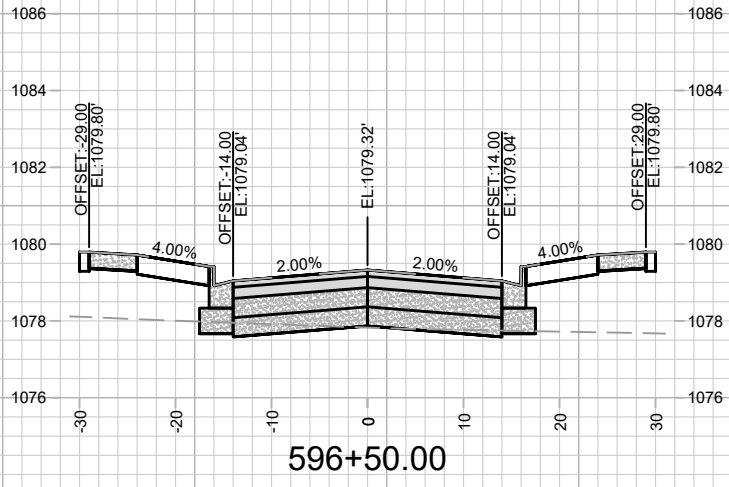
CROSS SECTIONS - CLEAR POND WAY
WESTWIND

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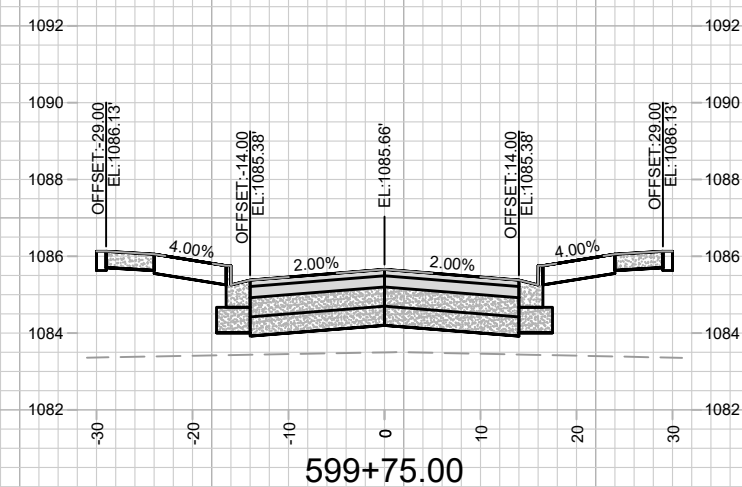
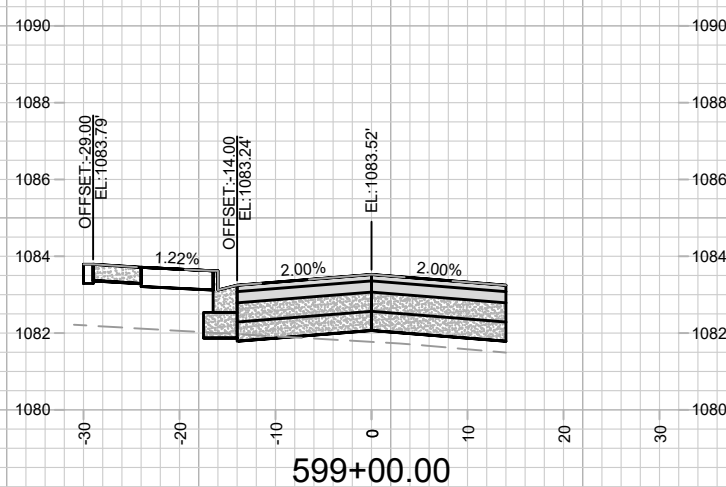
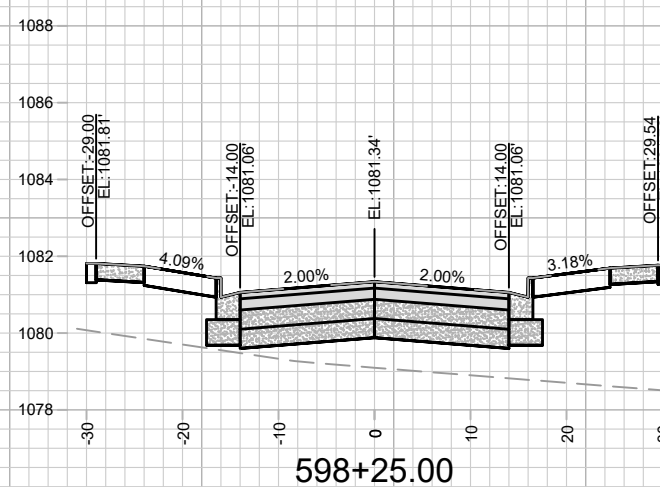
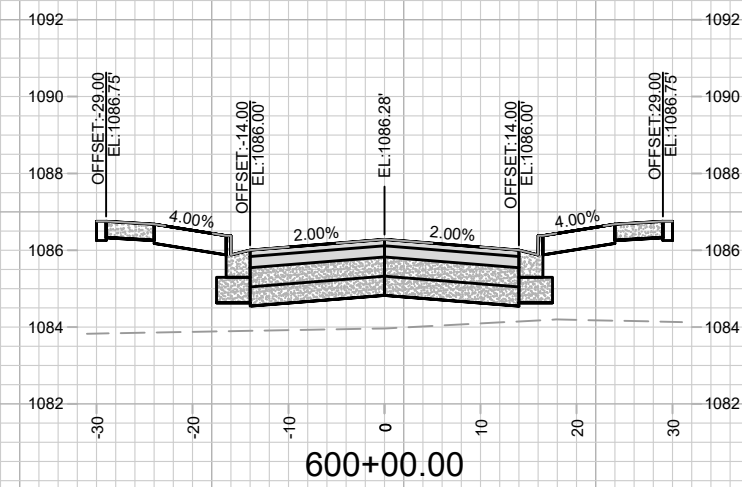
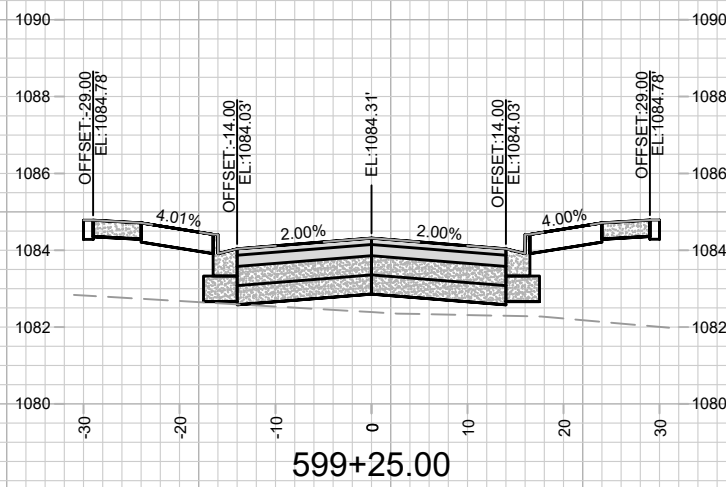
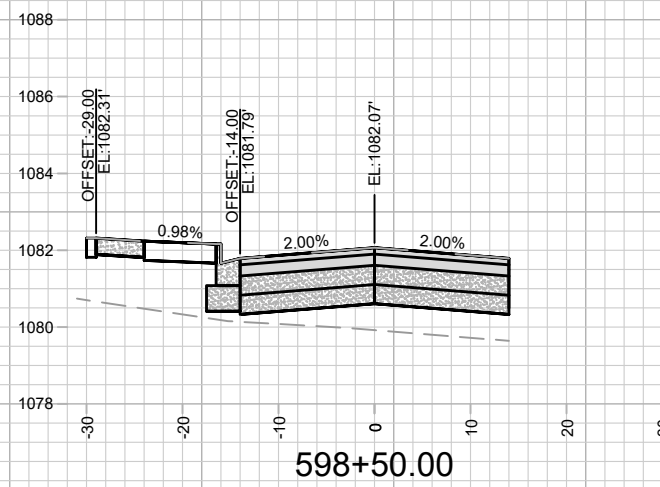
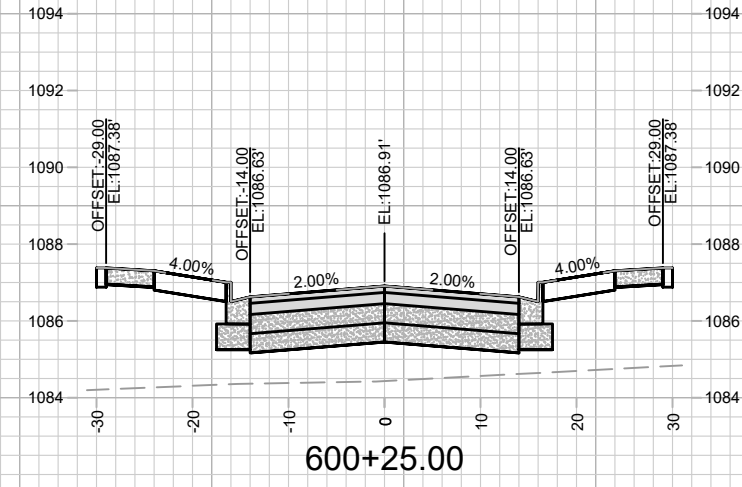
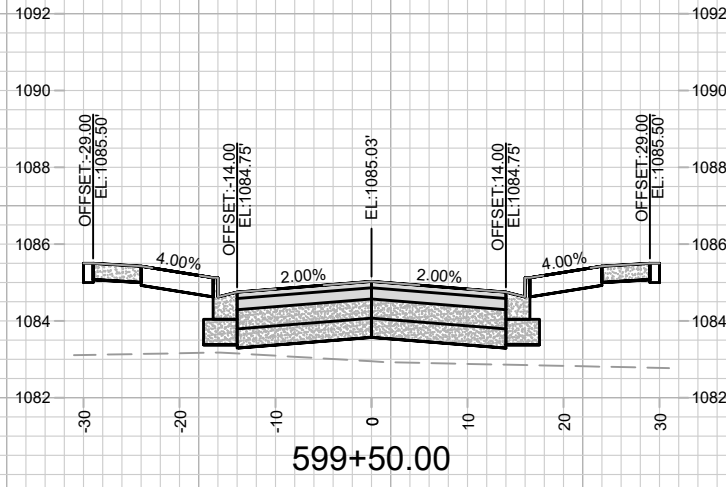
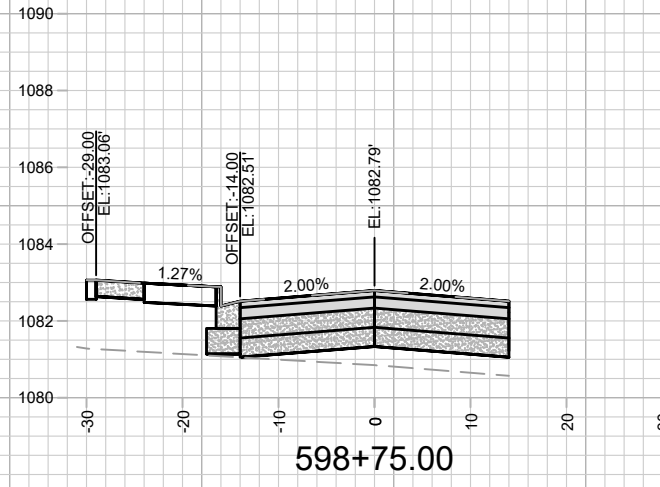
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Designed By: 13910	Date: 5/22/2023 4:31 PM	Scale: #####	X-4

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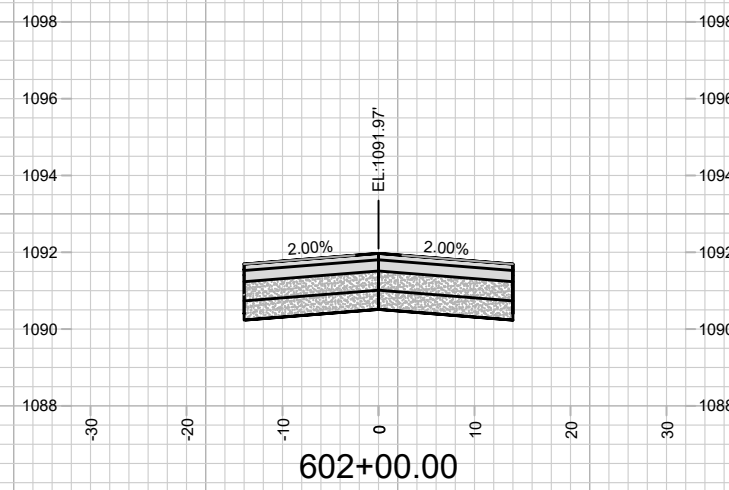
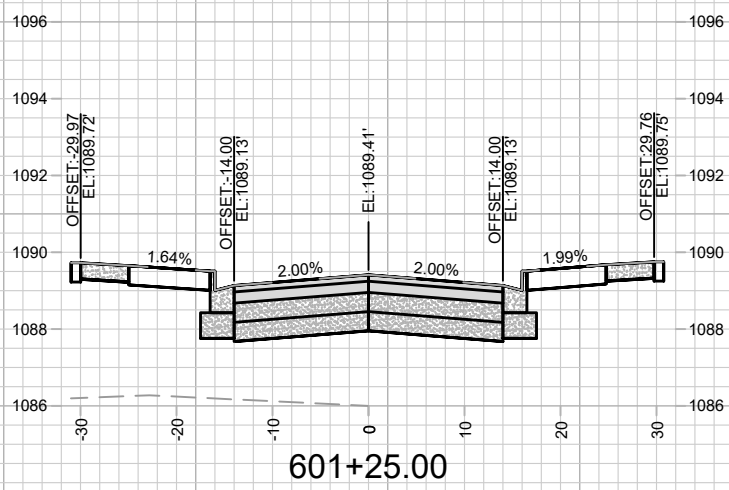
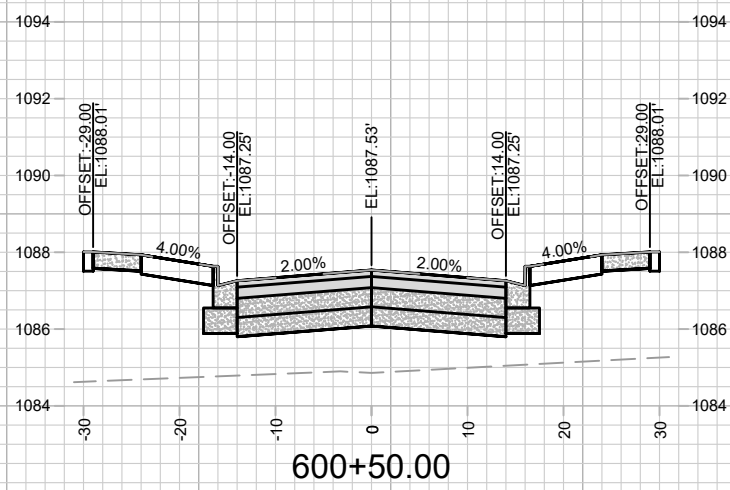
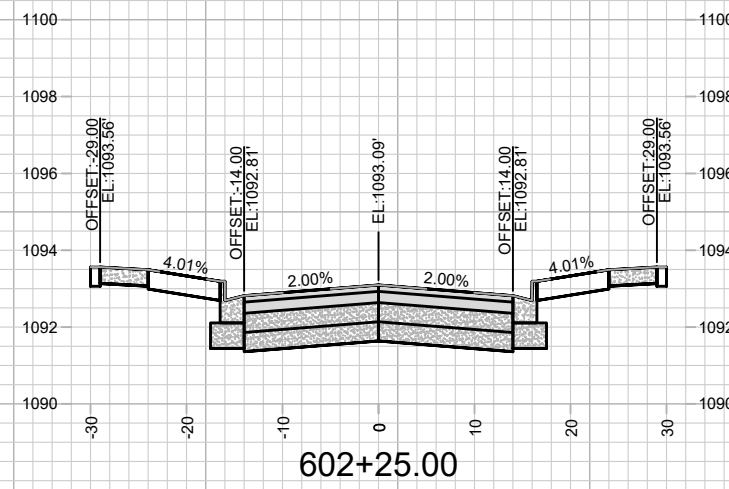
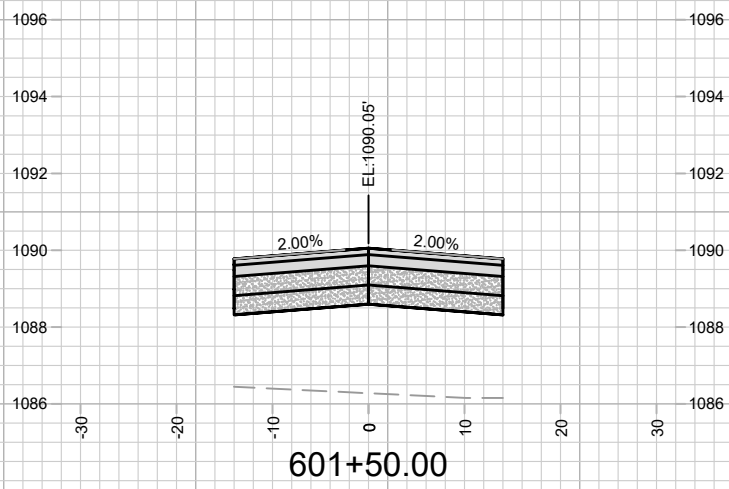
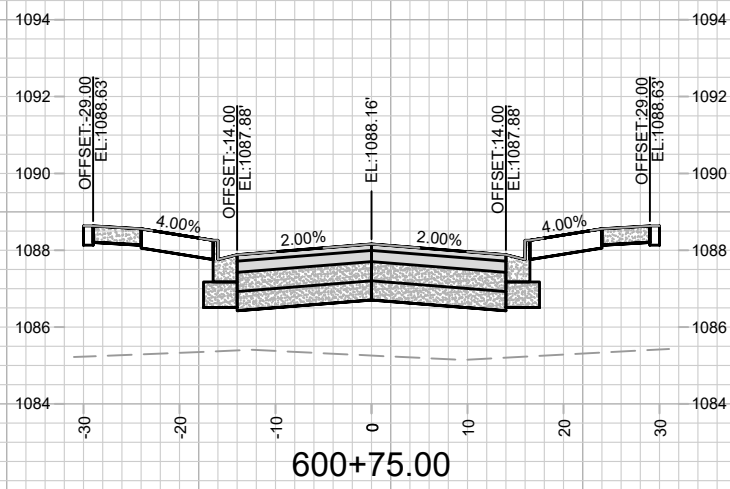
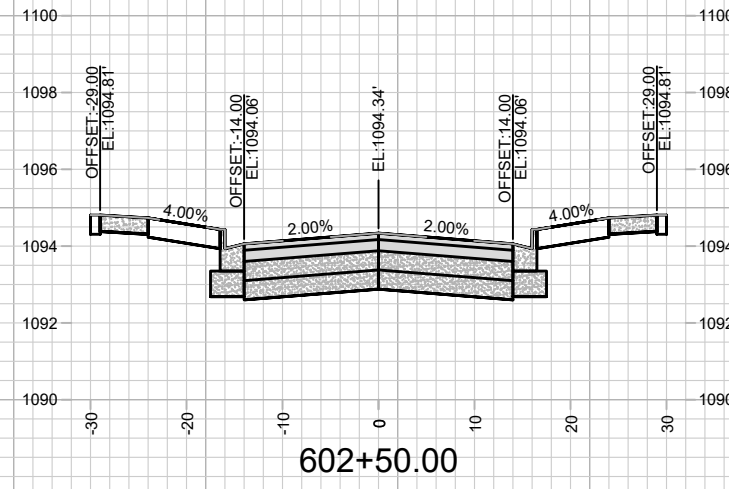
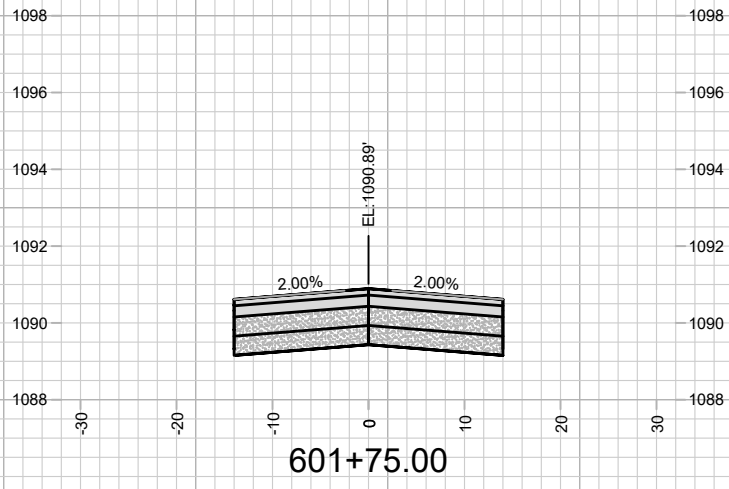
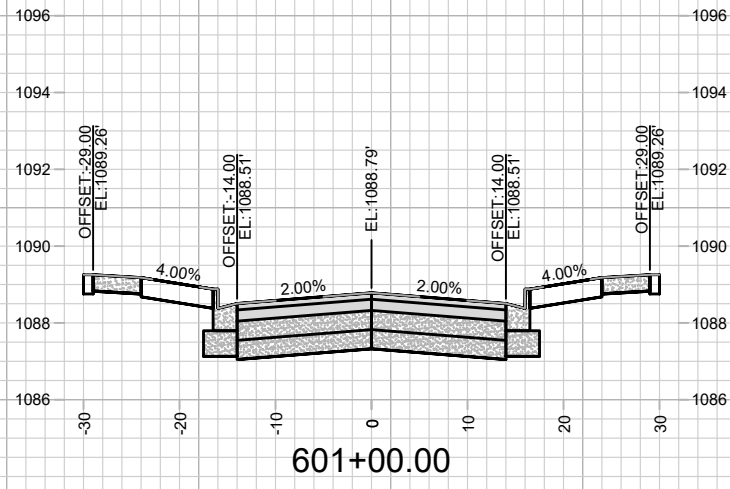
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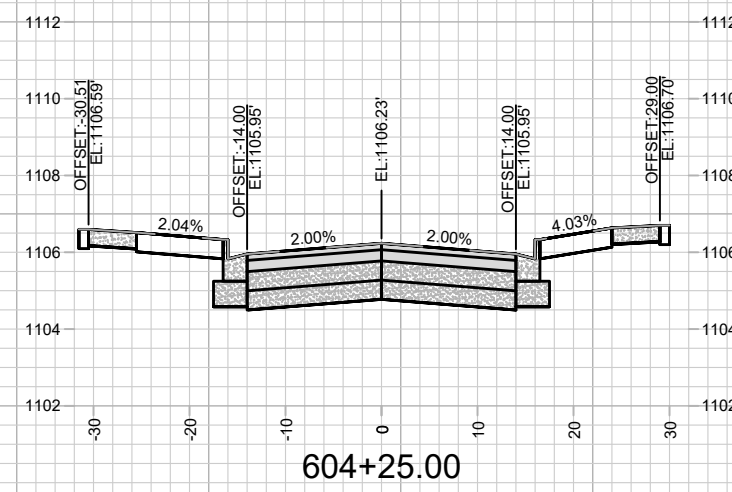
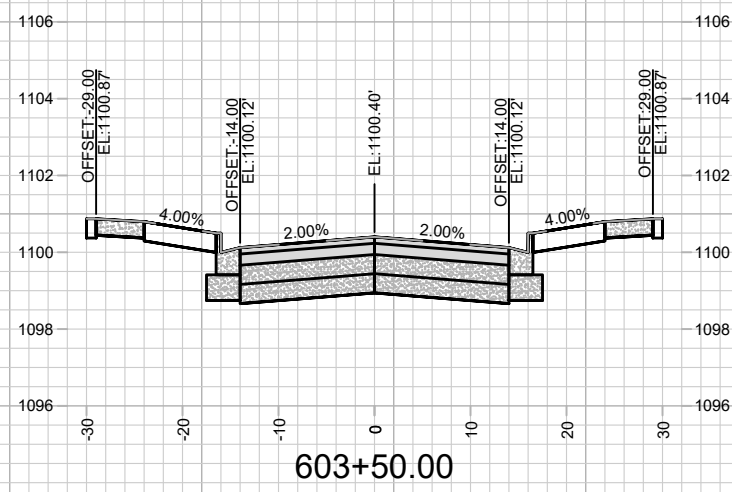
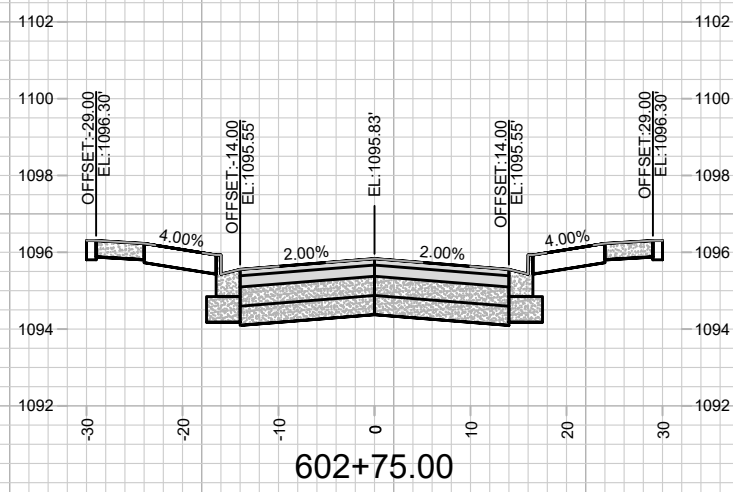
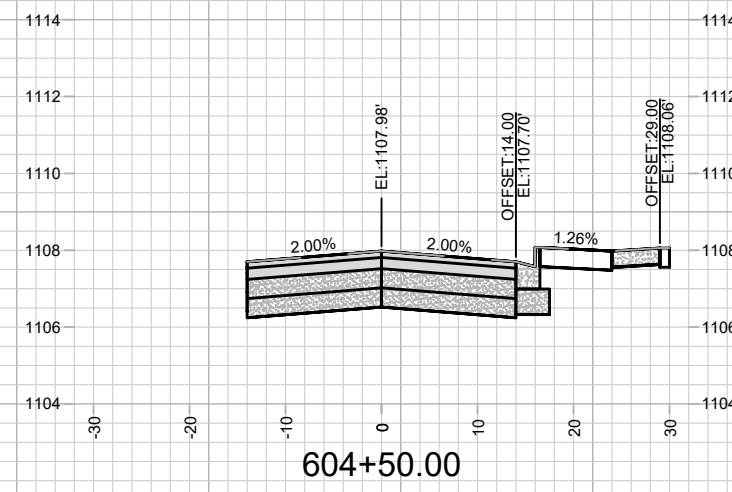
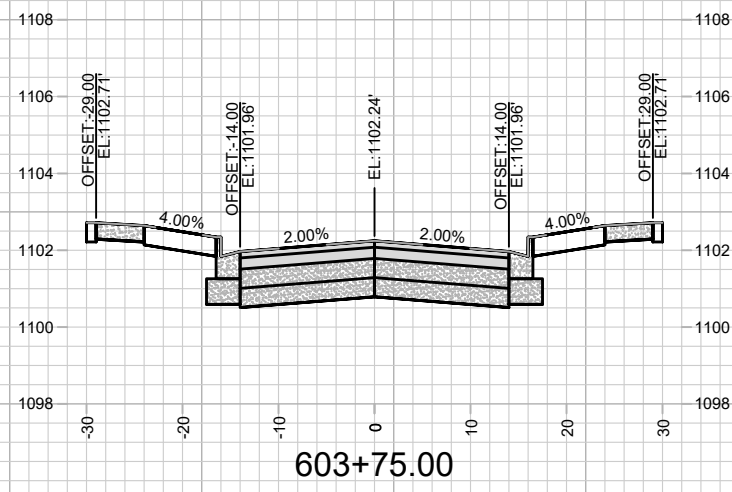
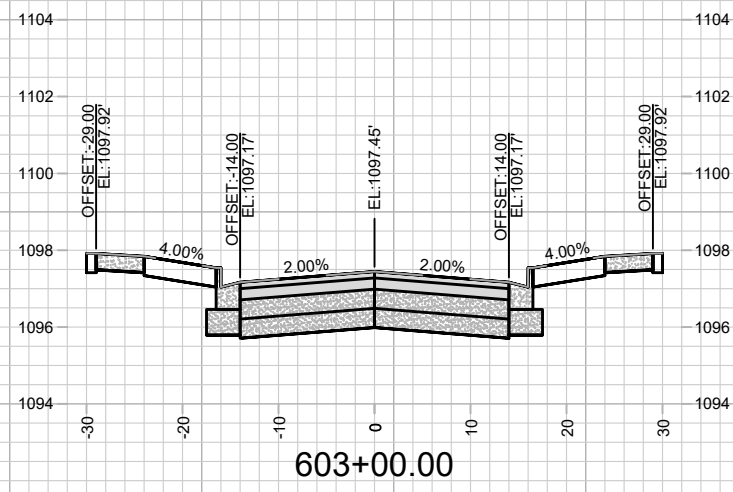
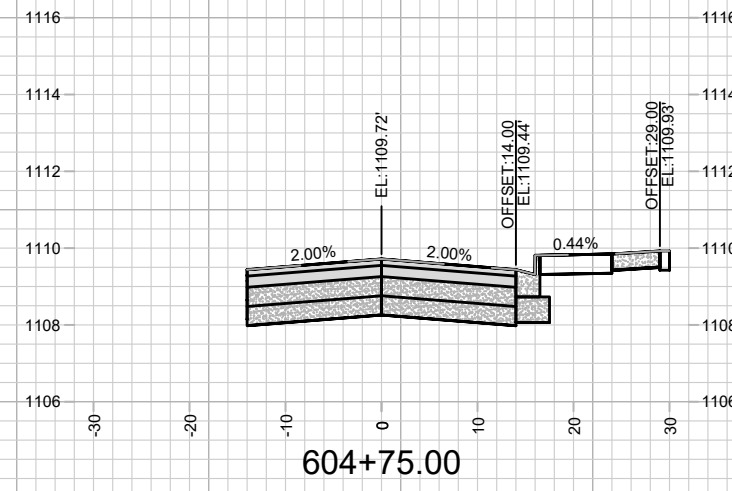
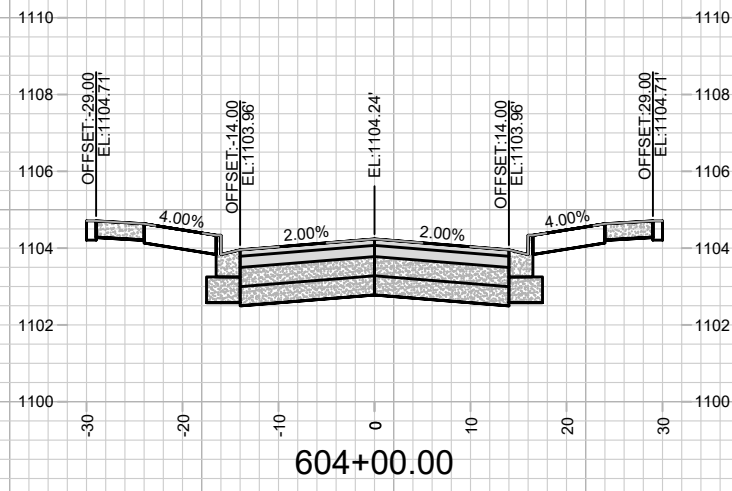
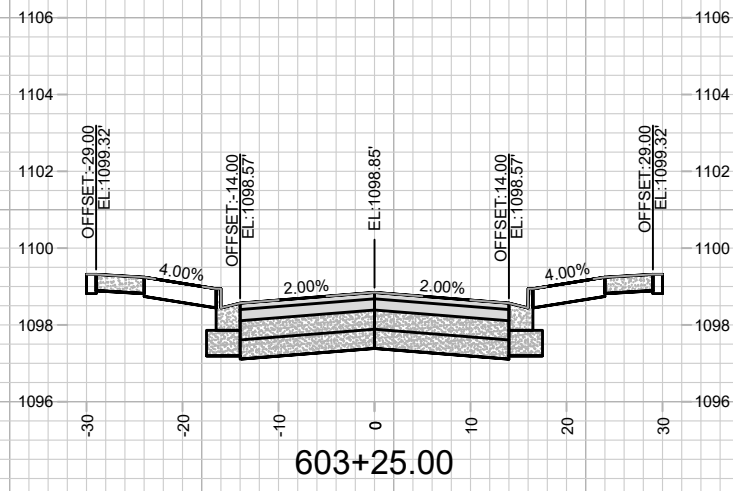
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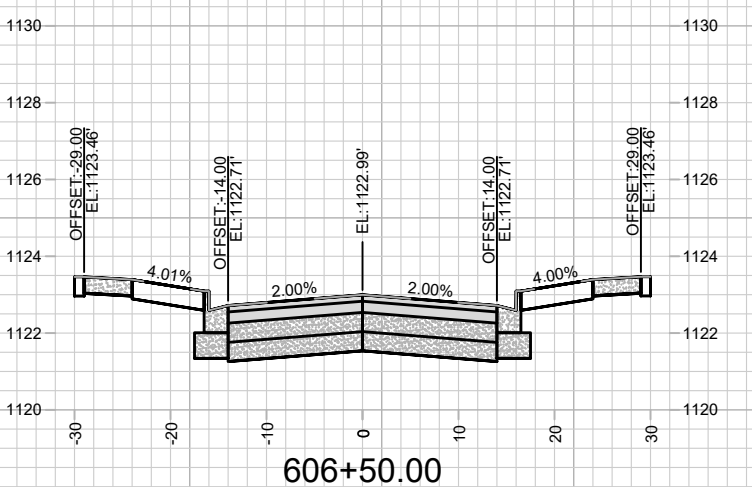
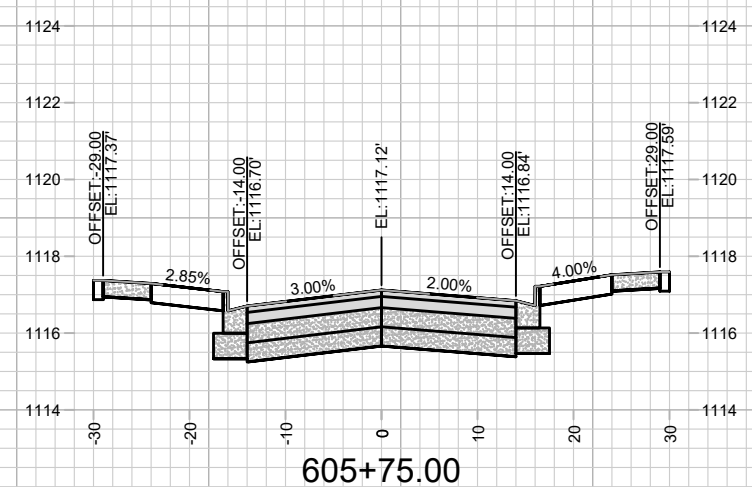
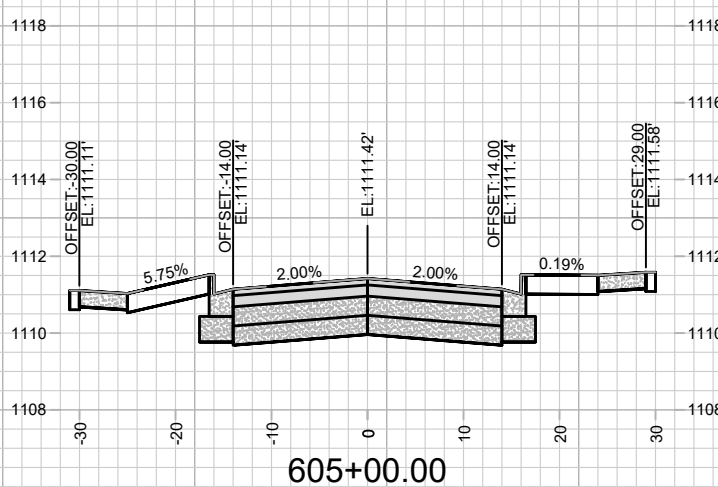
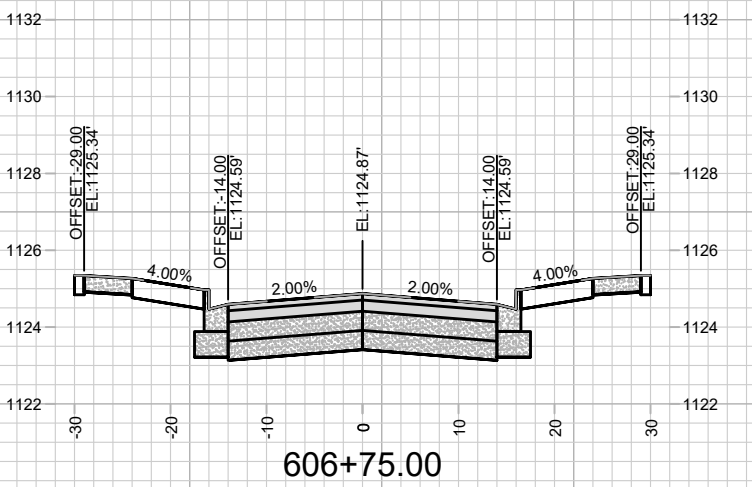
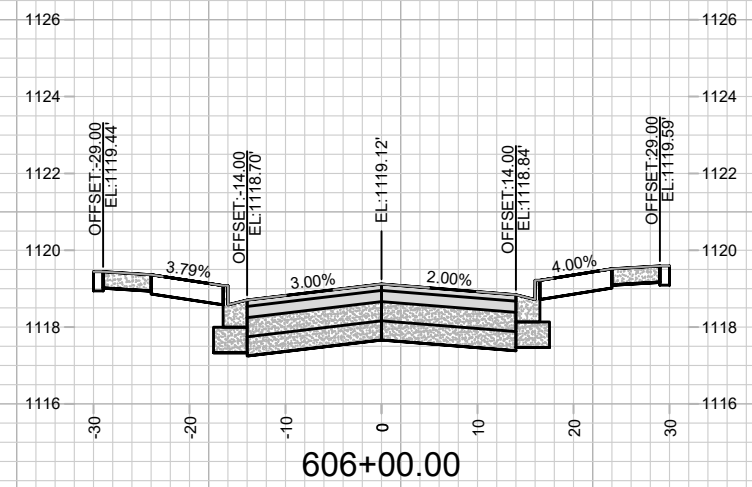
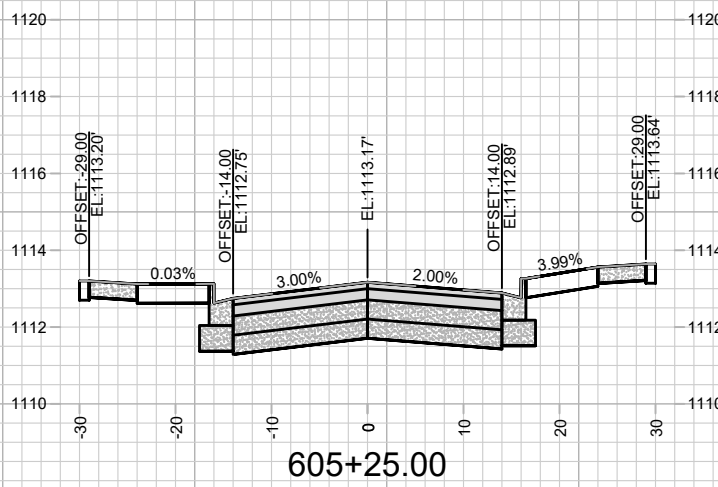
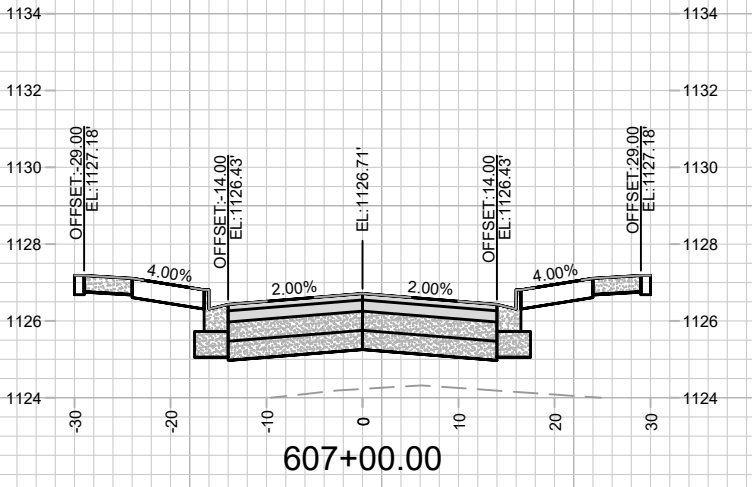
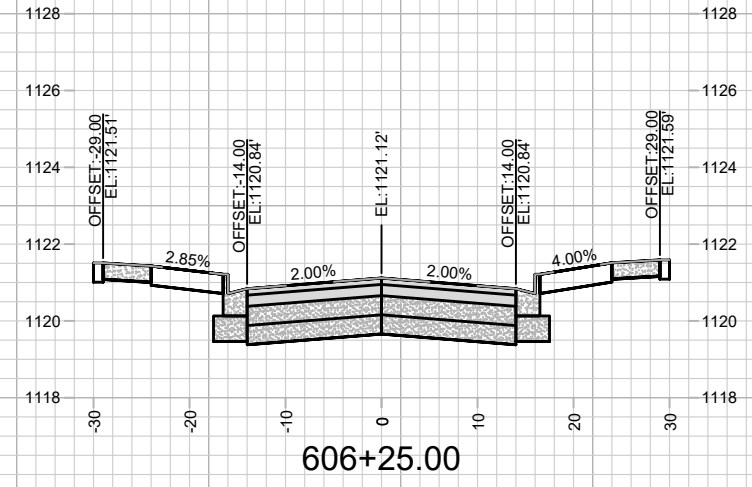
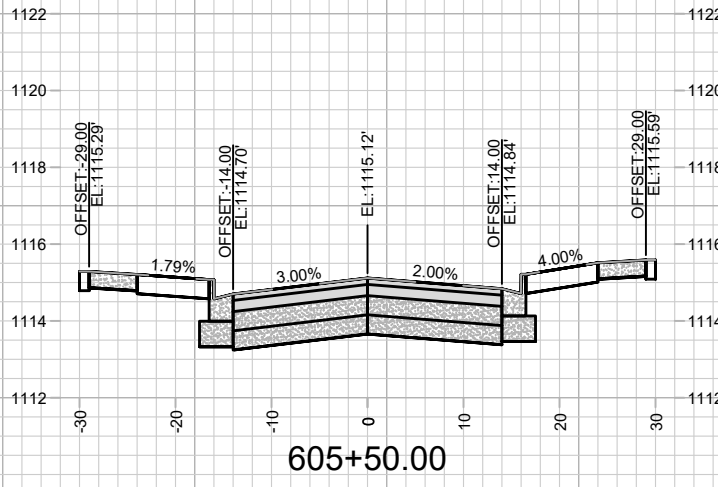


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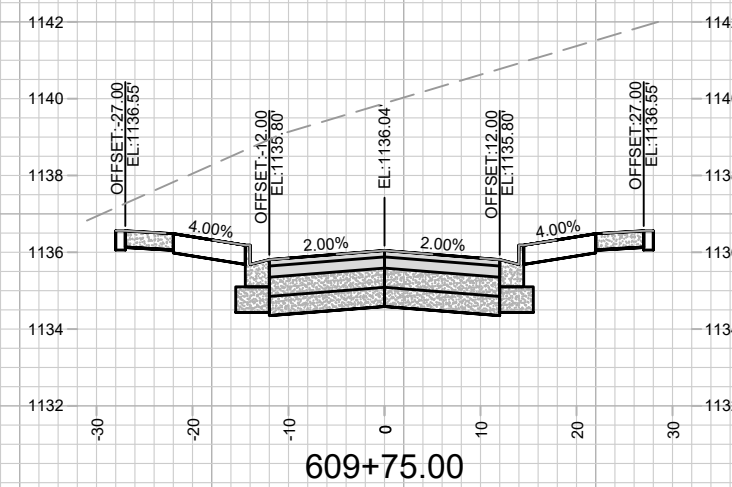
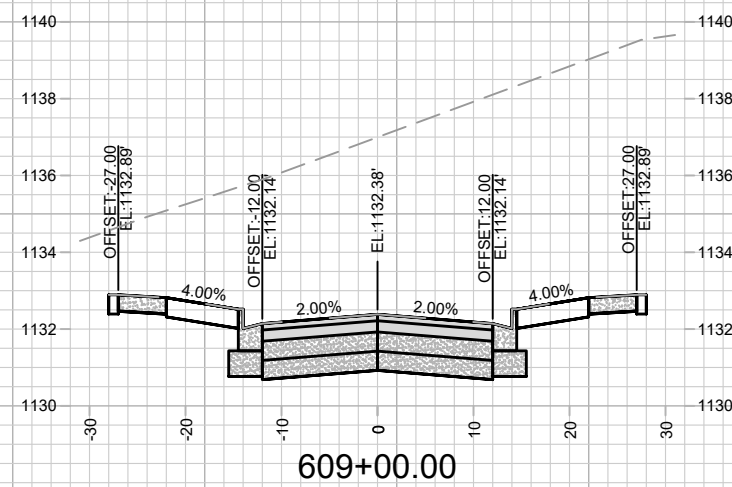
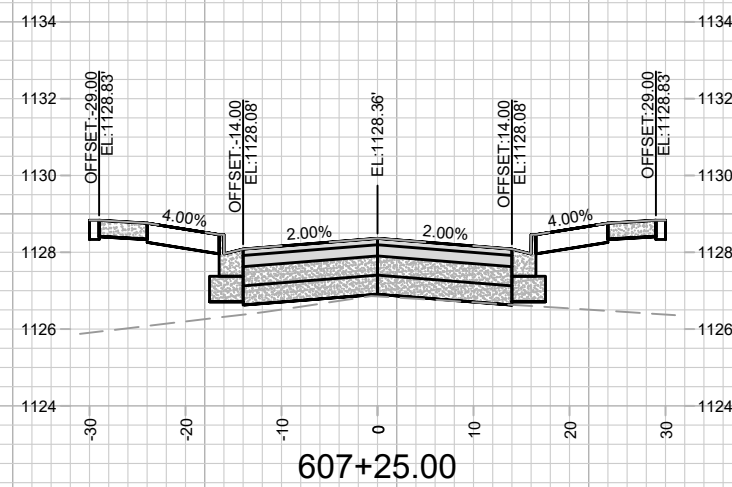
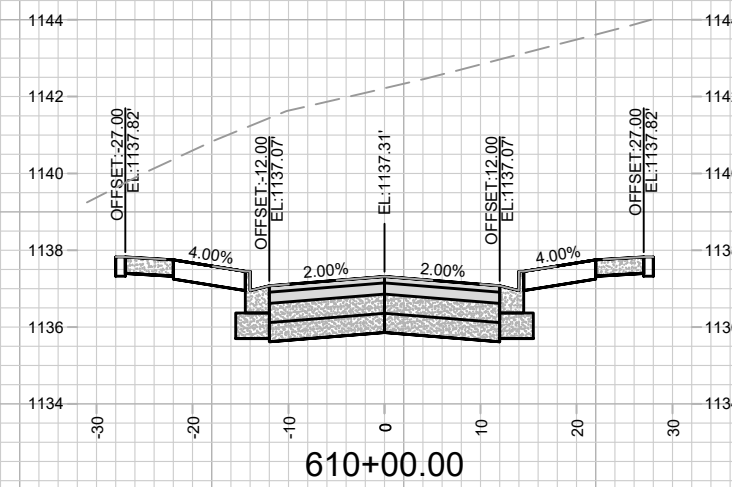
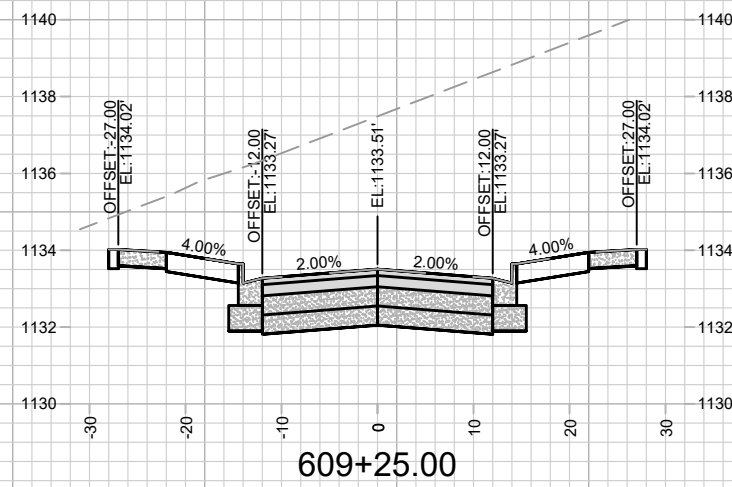
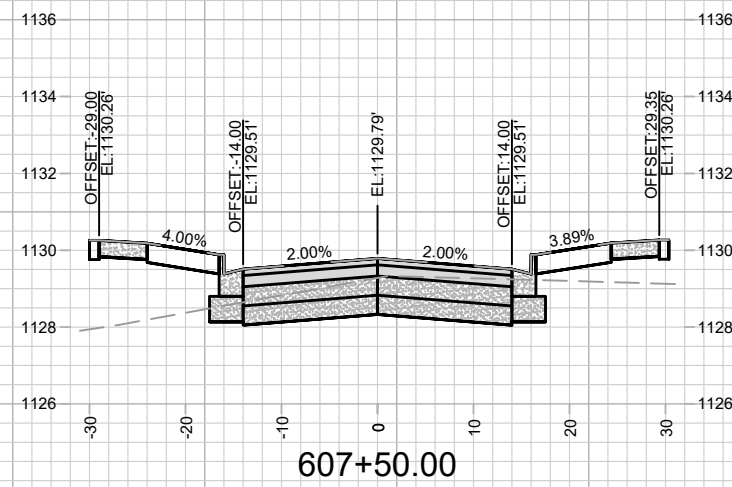
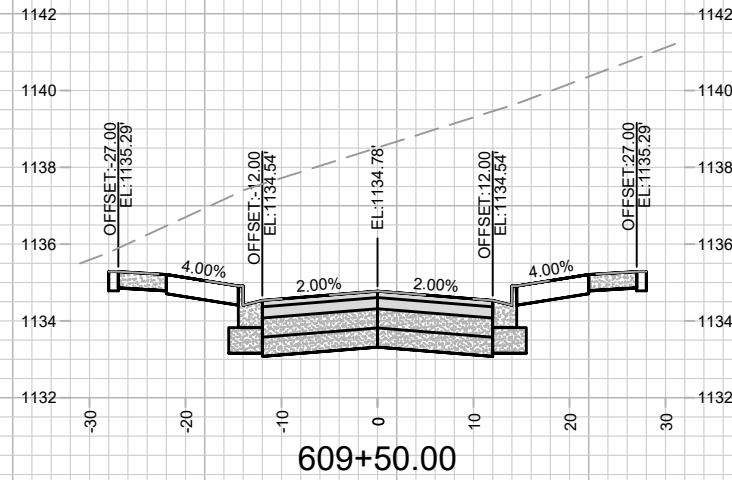
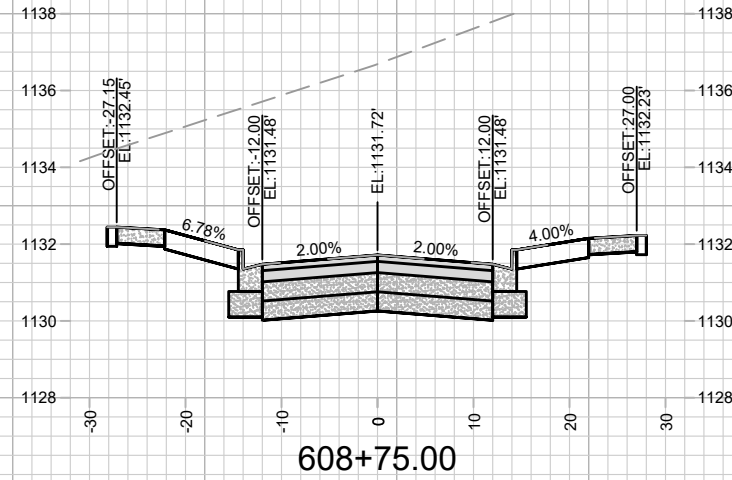
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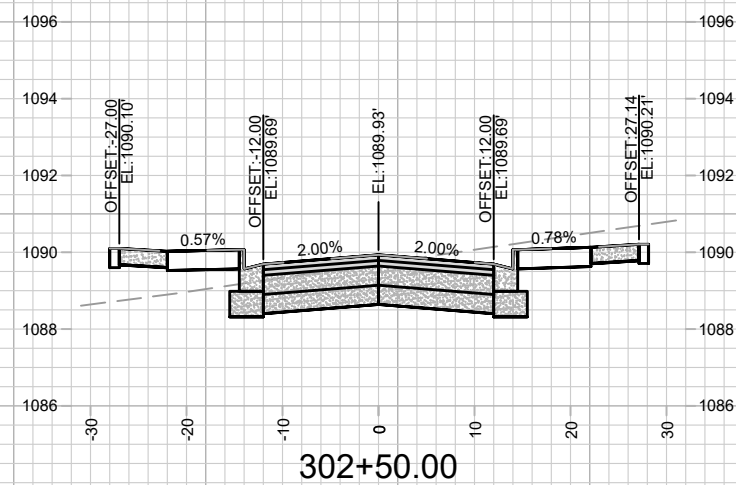
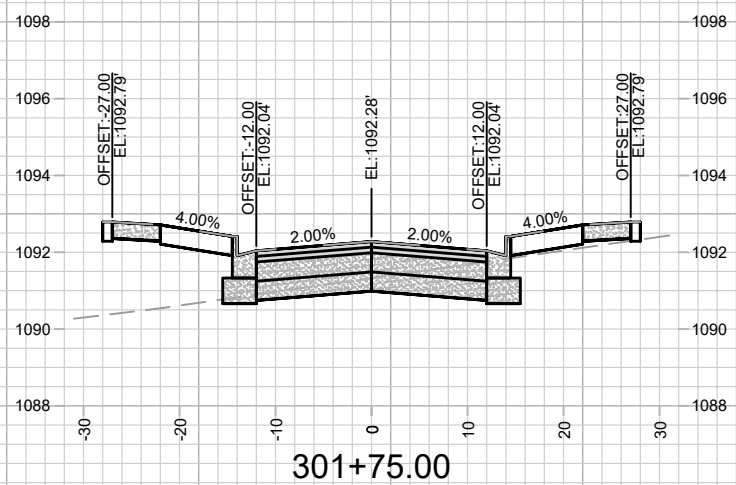
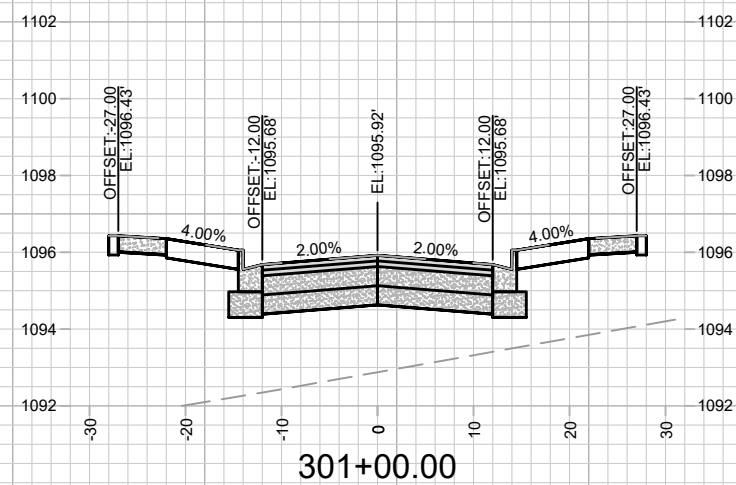
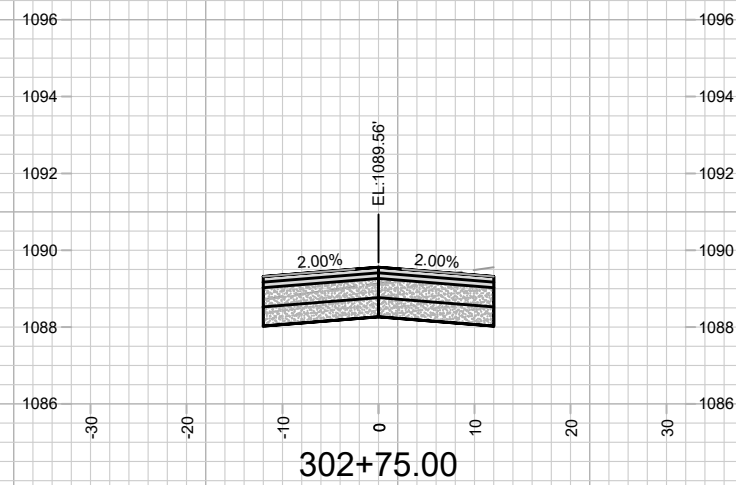
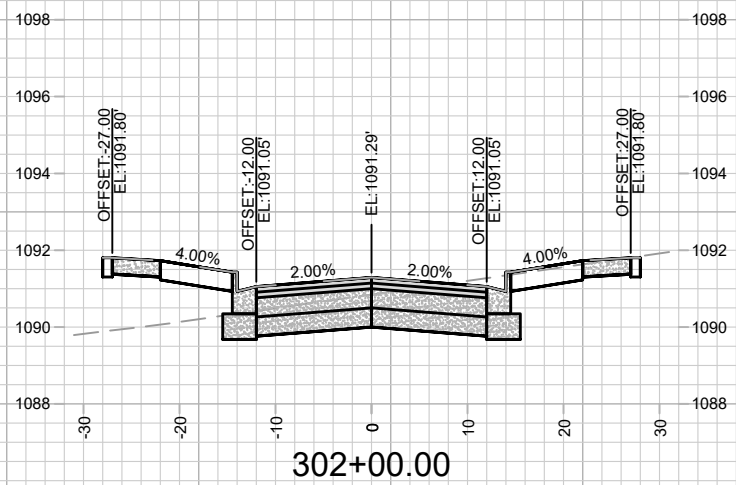
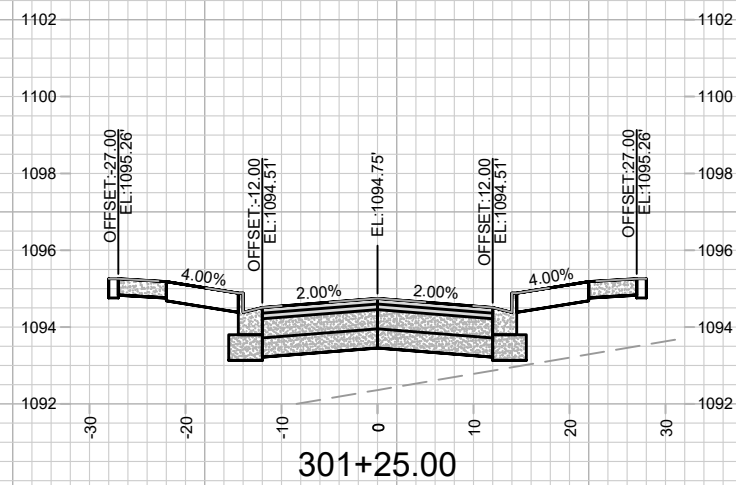
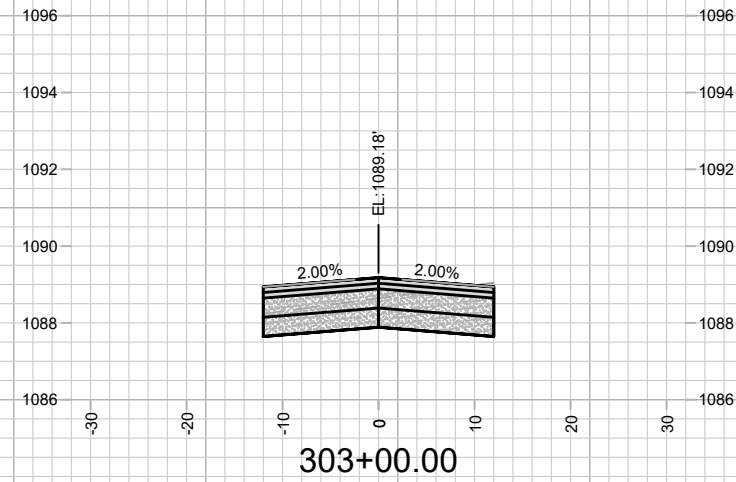
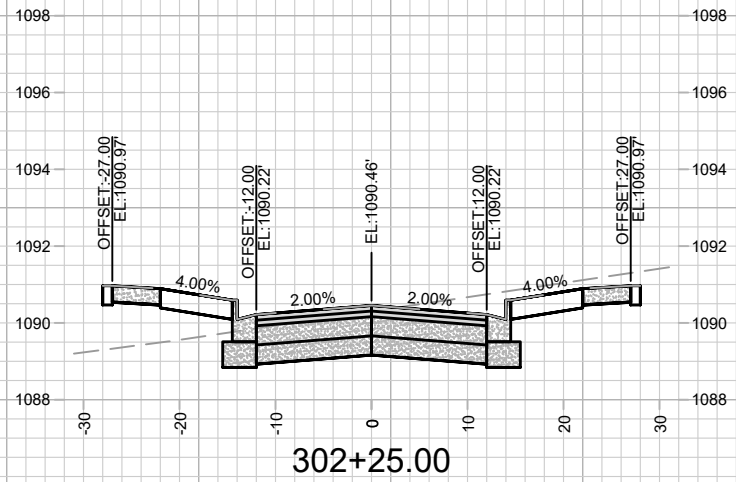
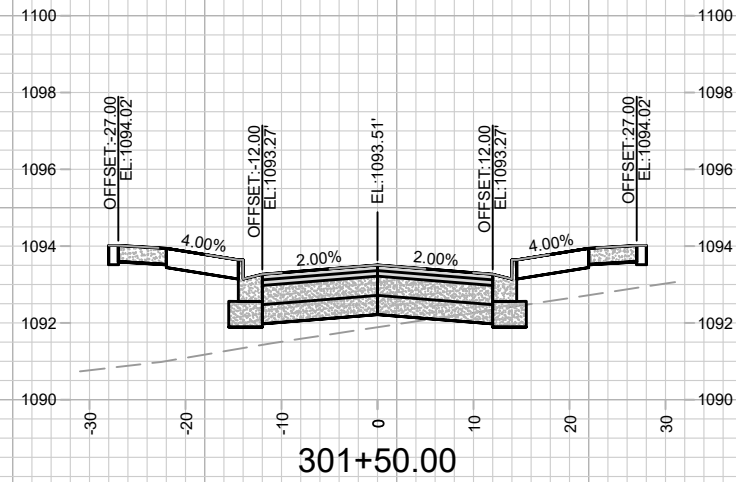
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Designed By: 13910	Date: 4/25/2023 6:03 AM	Scale: #####	X-9

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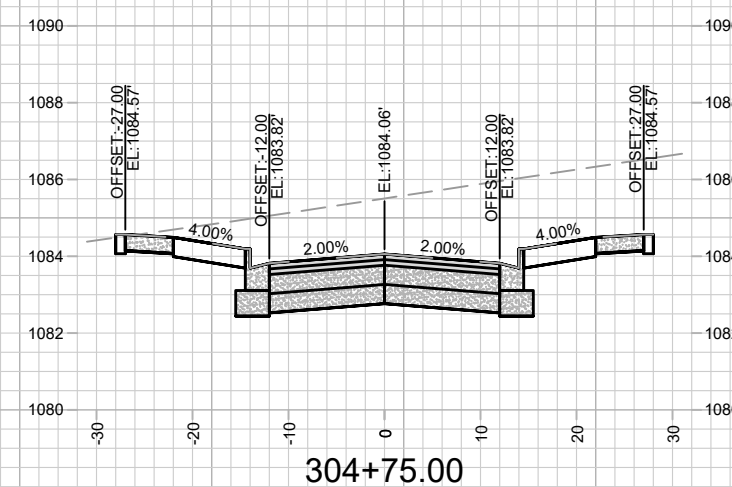
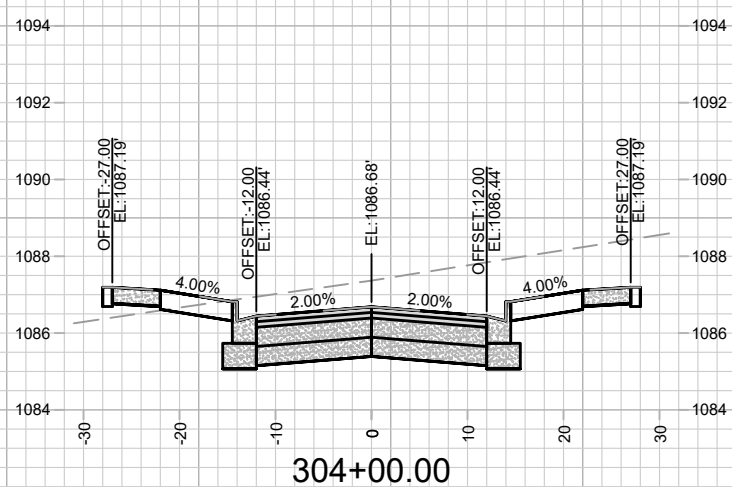
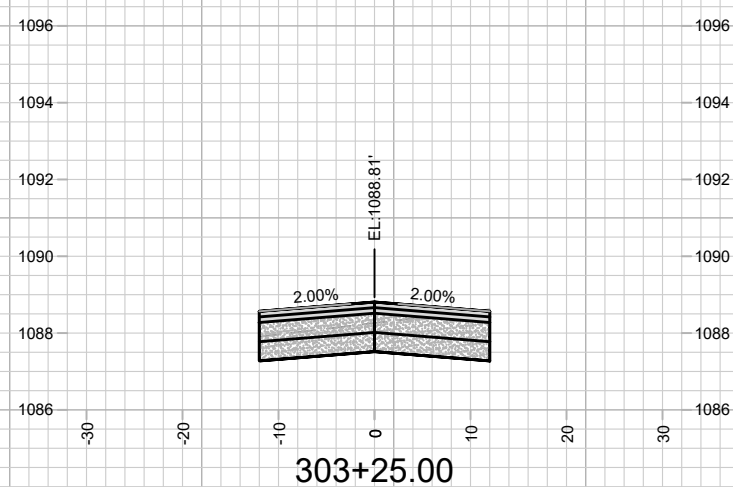
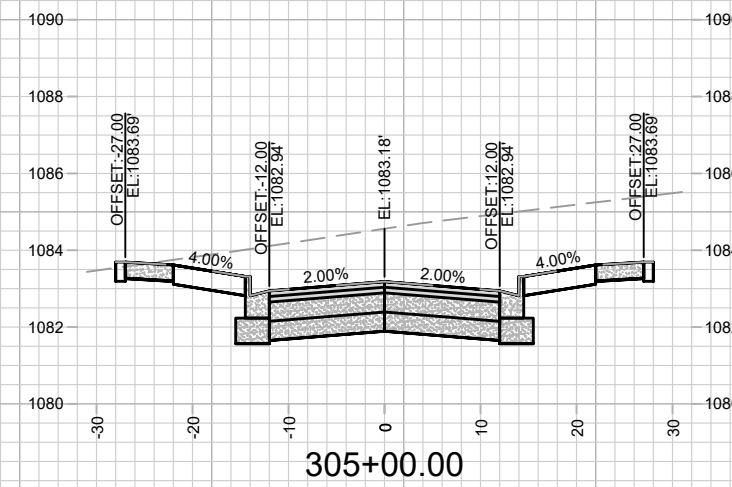
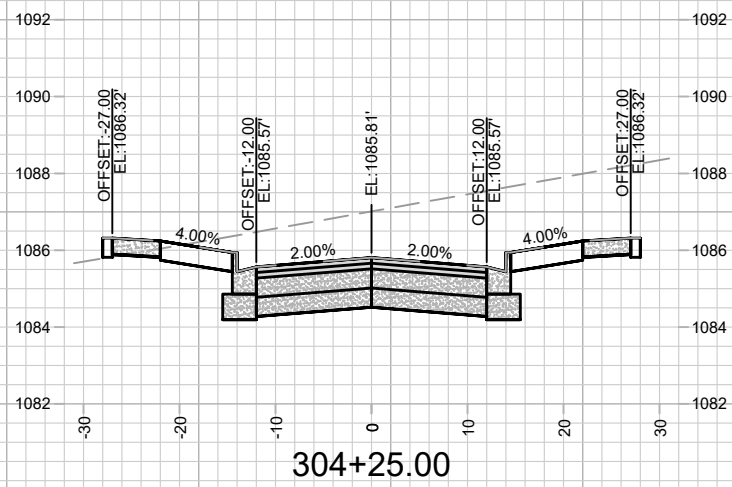
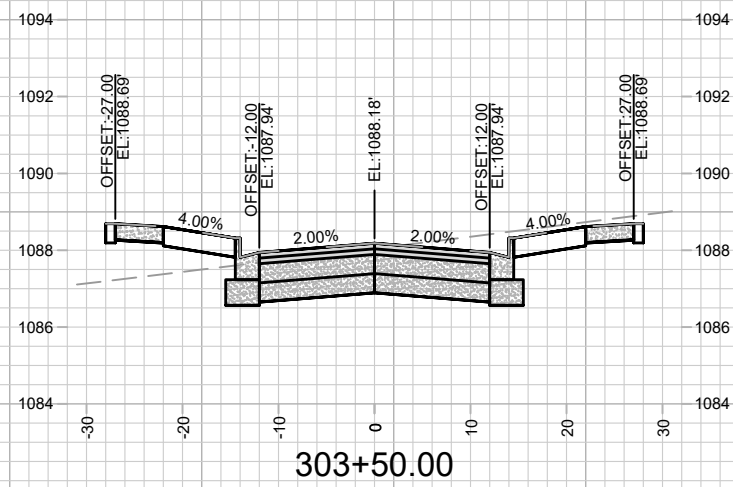
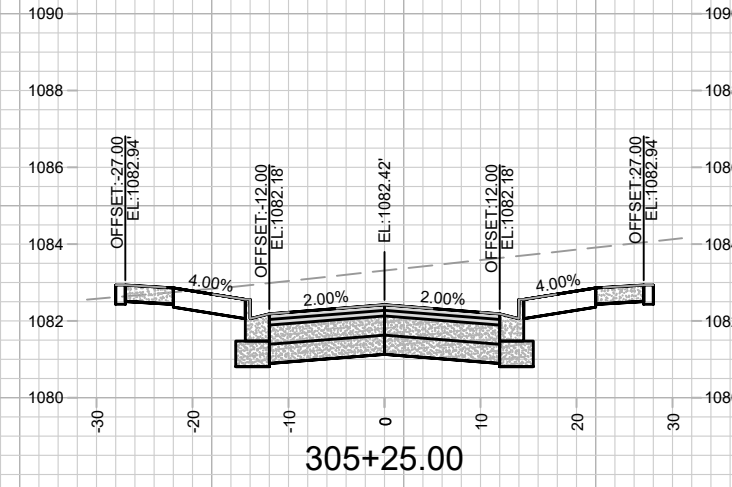
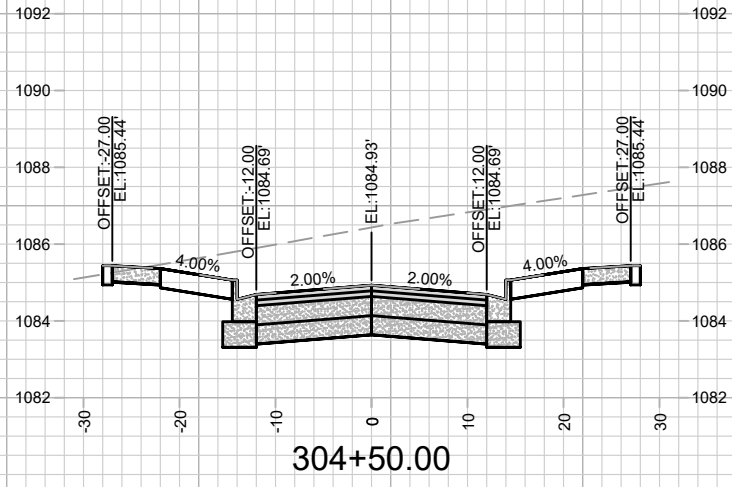
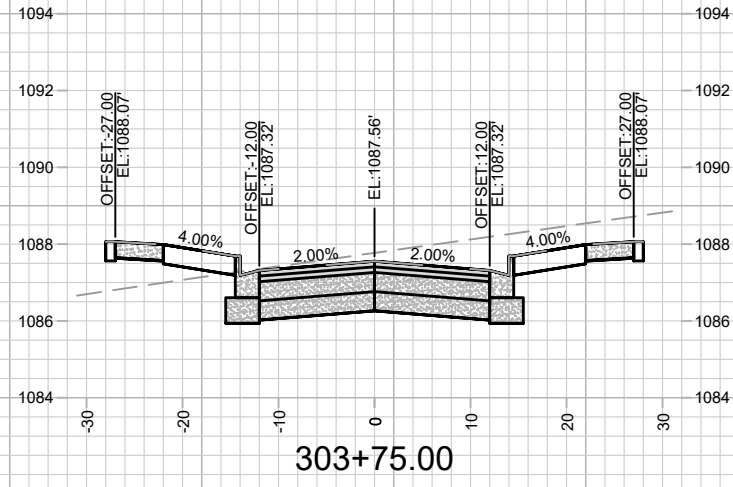
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13910	4/25/2023 6:03 AM	###	###
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CROSS SECTIONS - EMERALD ELM ROAD
WESTWIND
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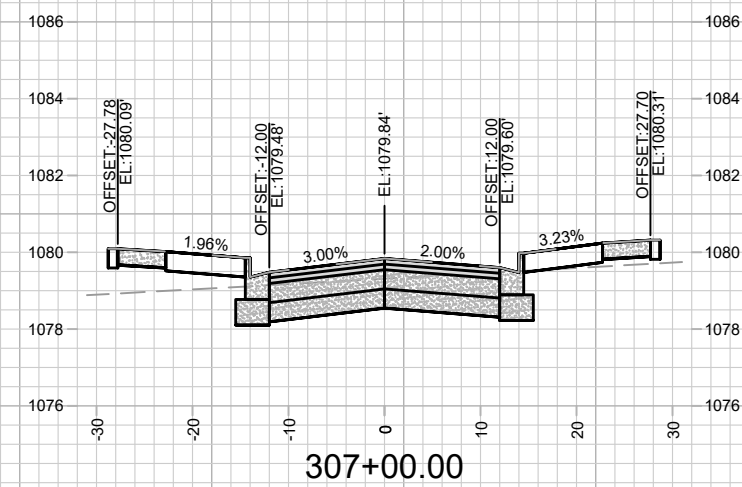
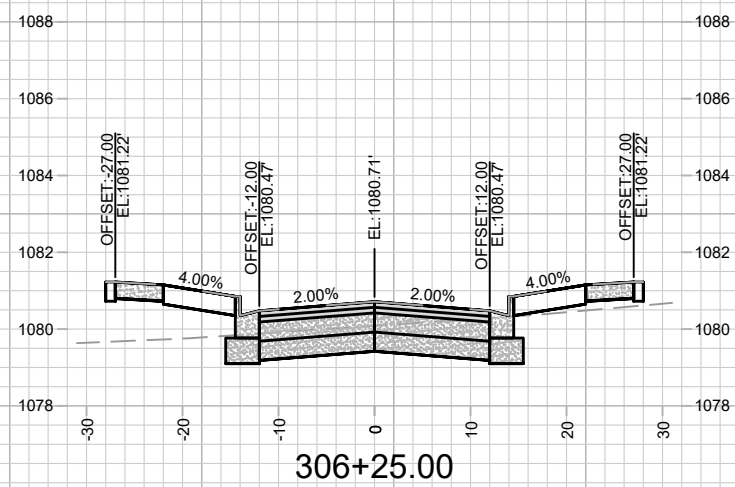
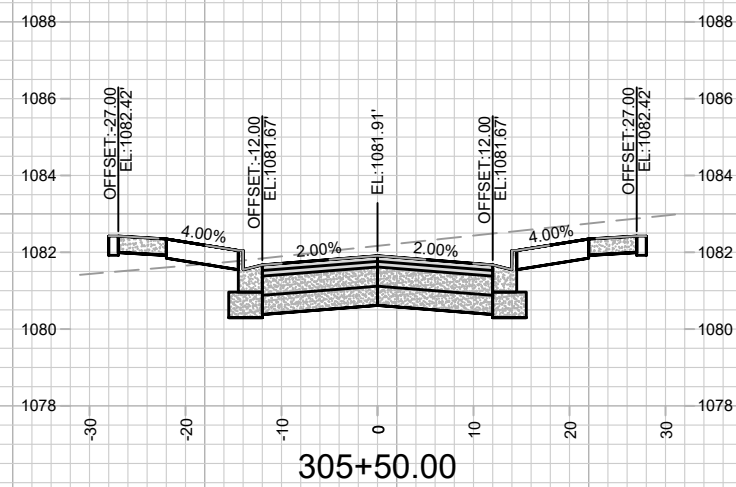
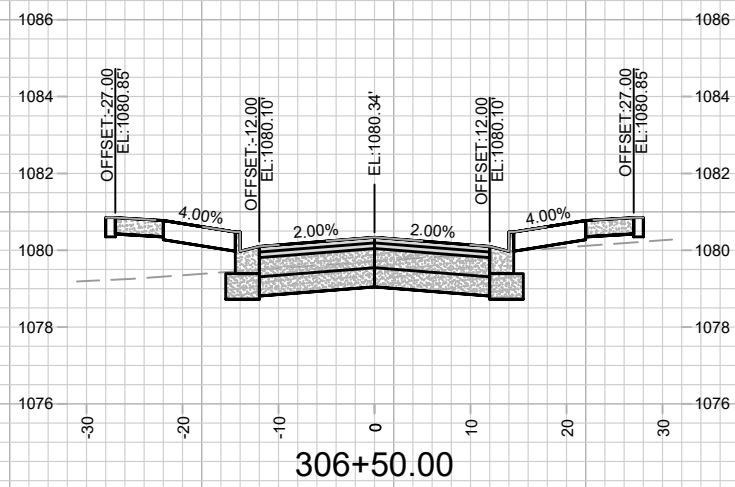
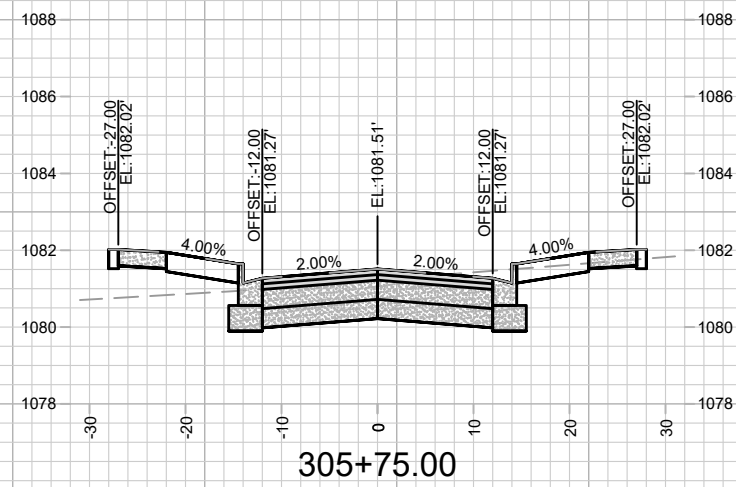
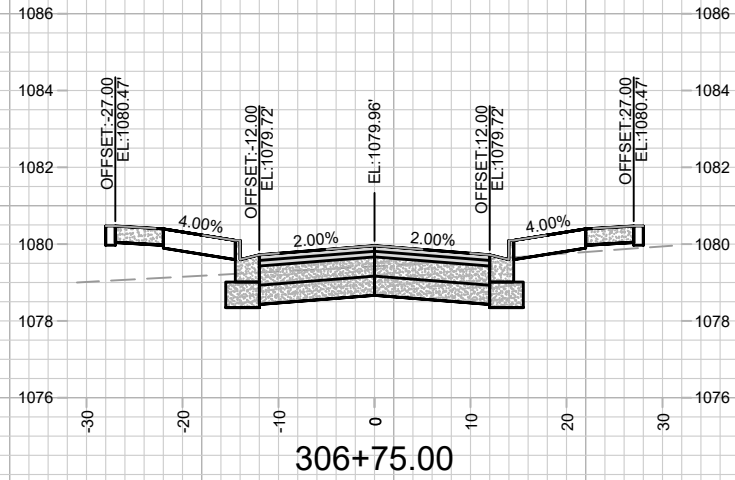
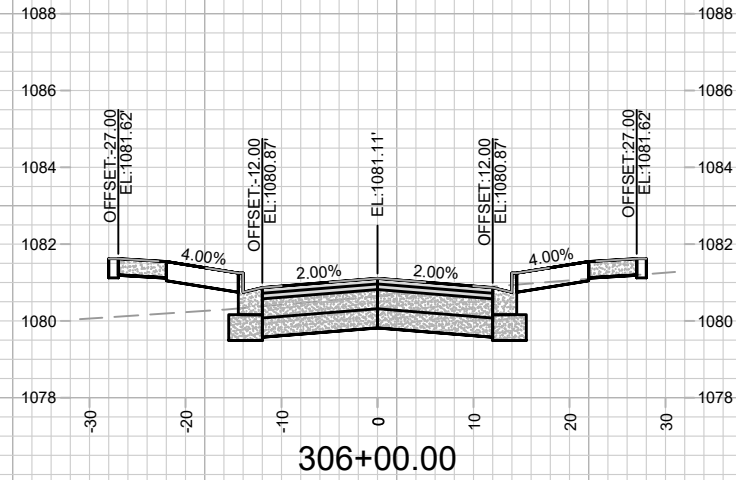


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CROSS SECTIONS - EMERALD ELM ROAD
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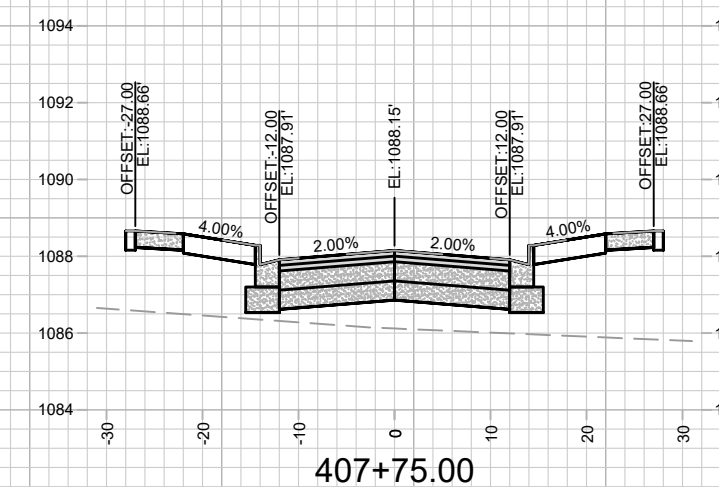
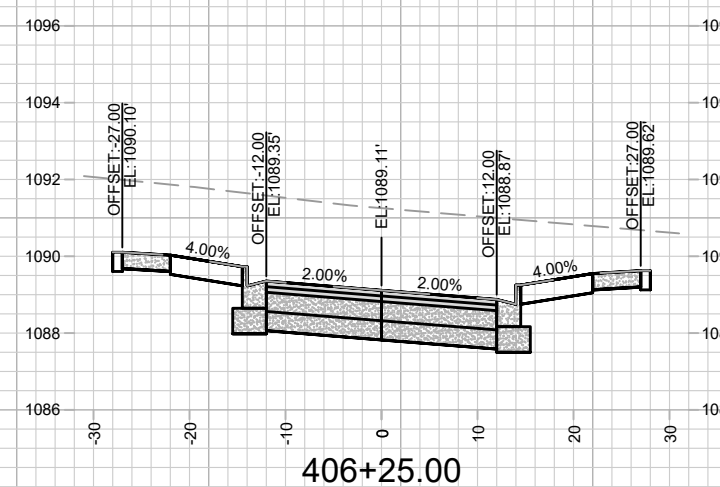
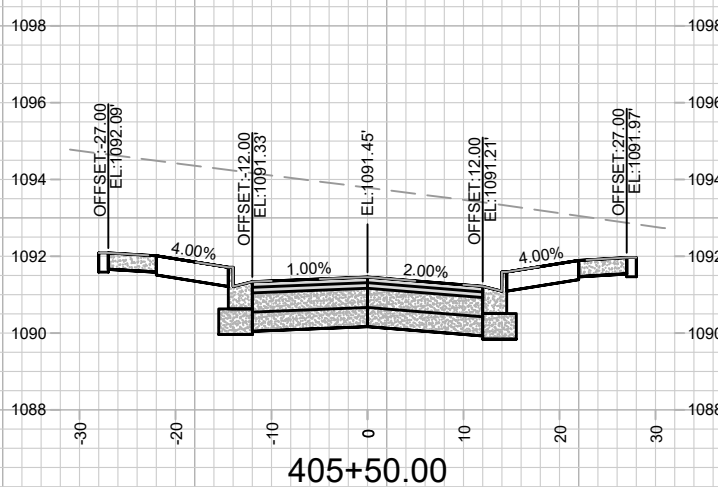
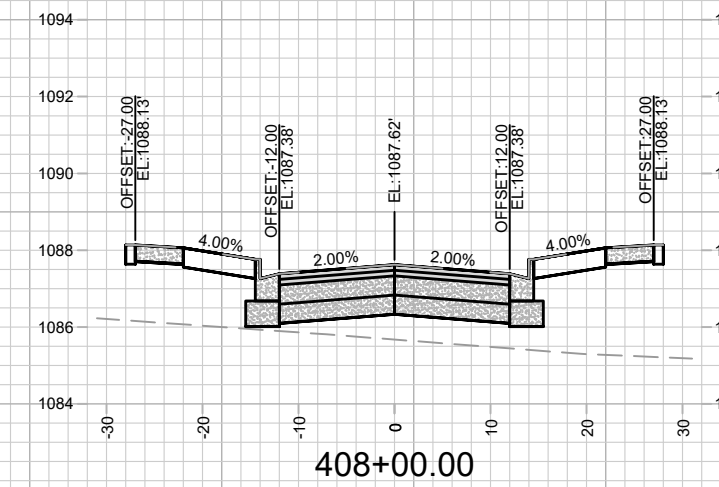
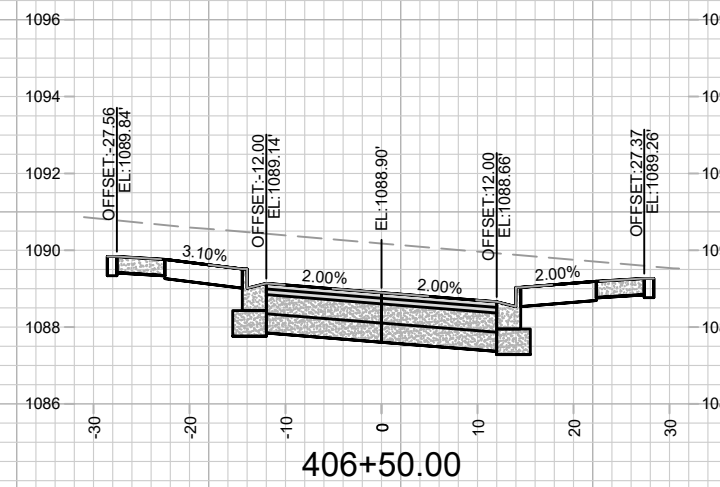
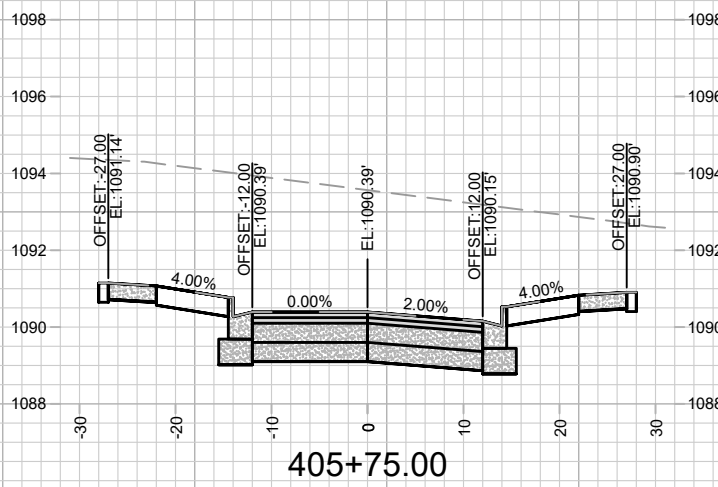
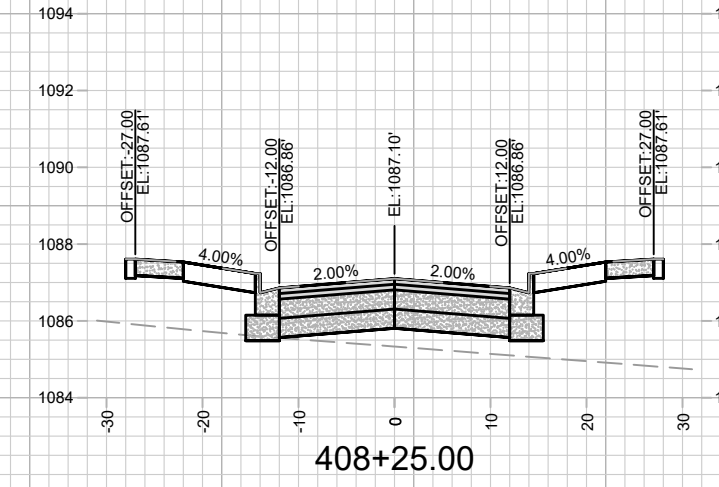
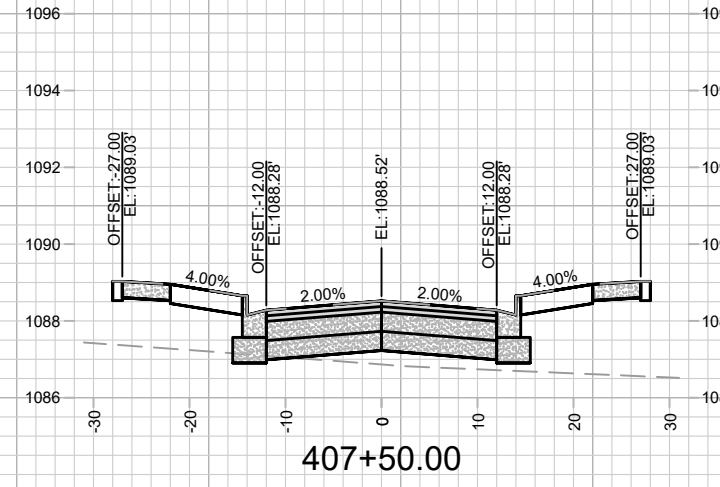
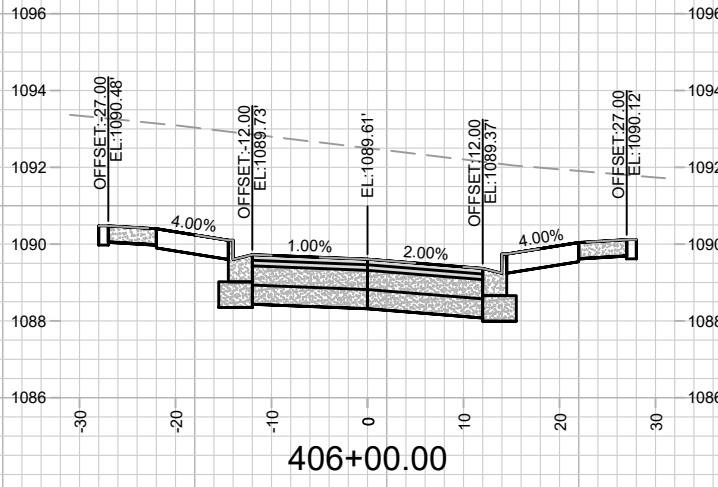
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CROSS SECTIONS - EMERALD ELM ROAD
WESTWIND
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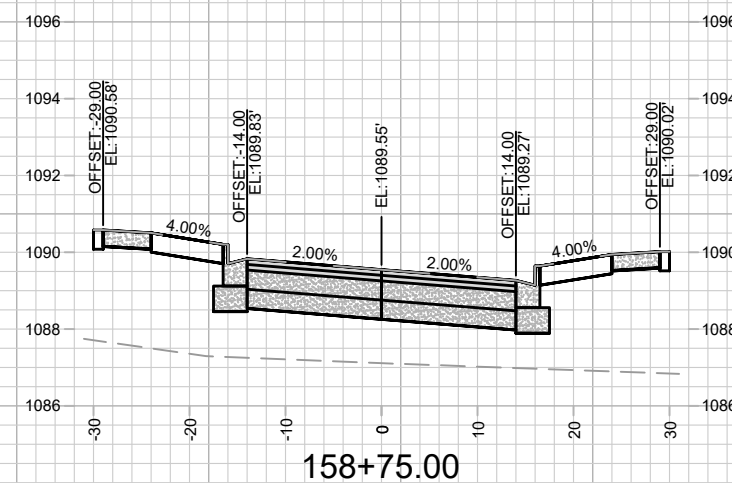
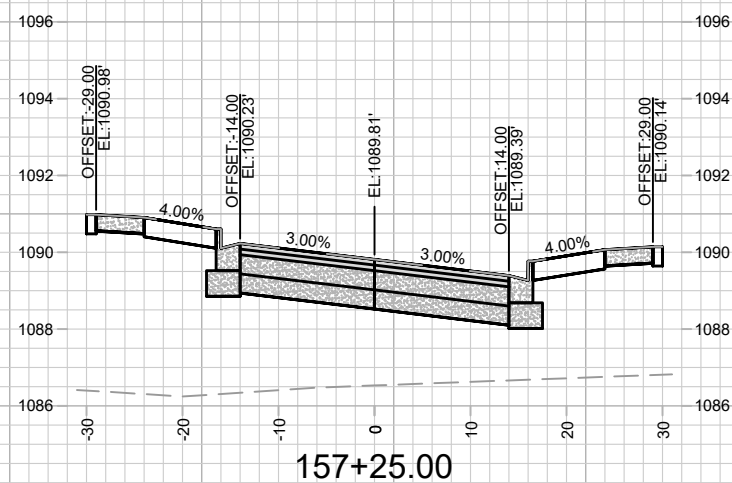
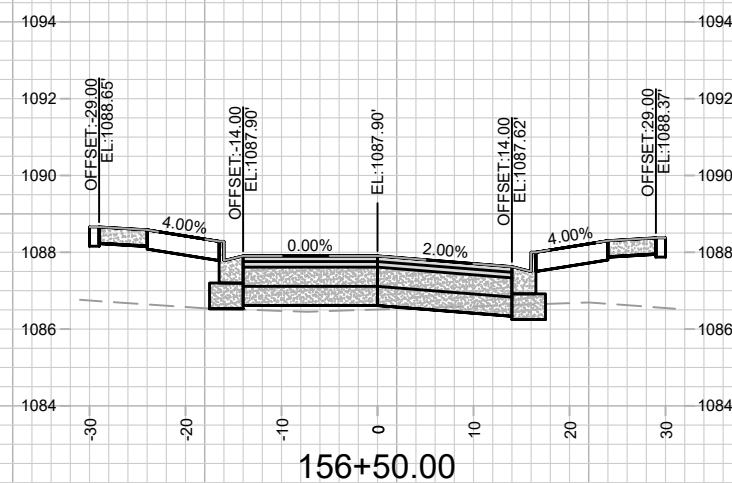
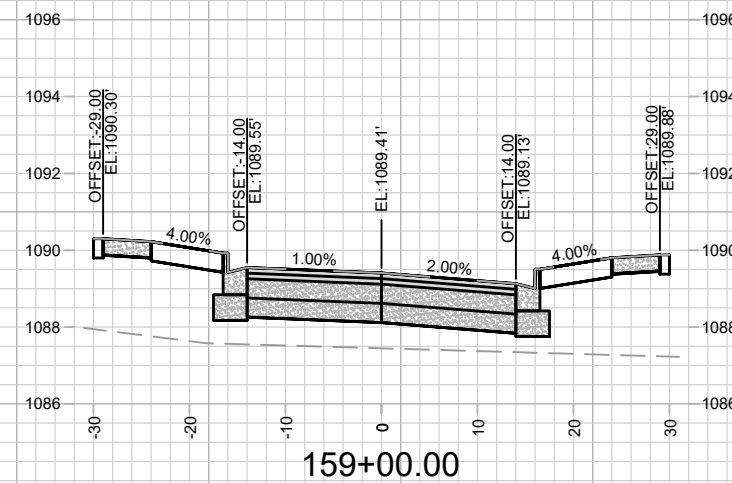
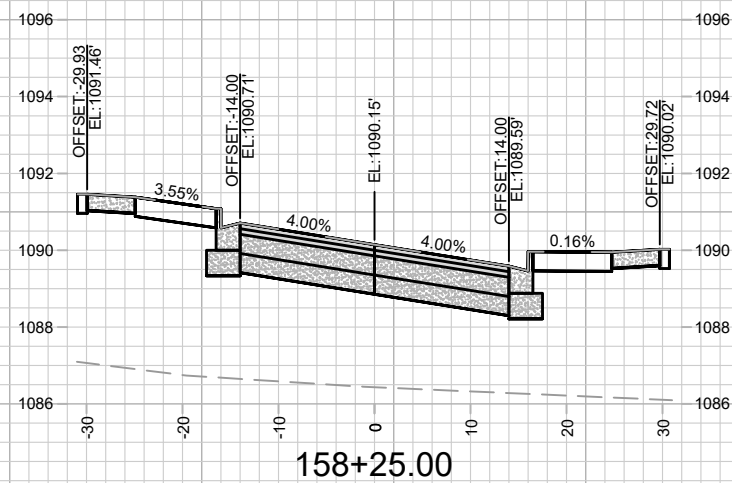
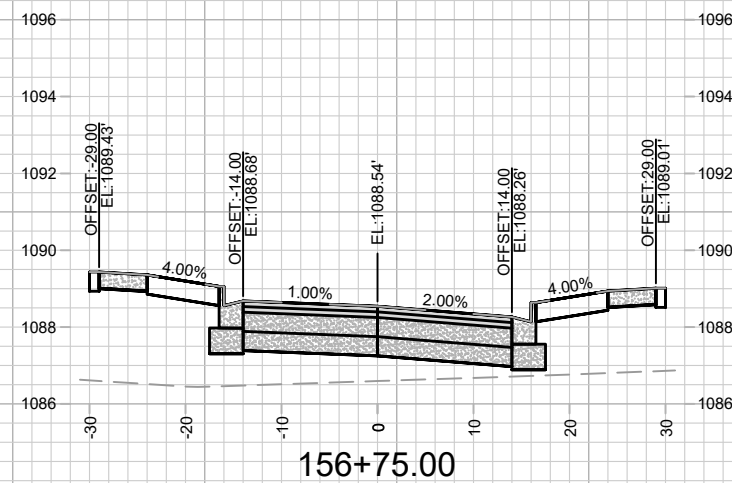
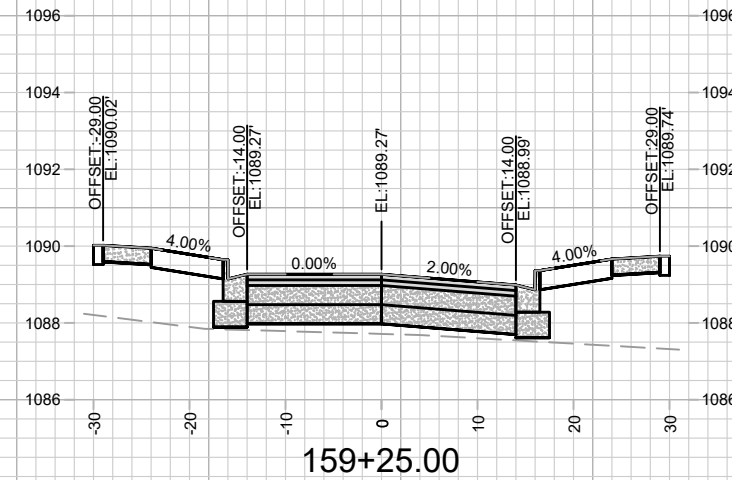
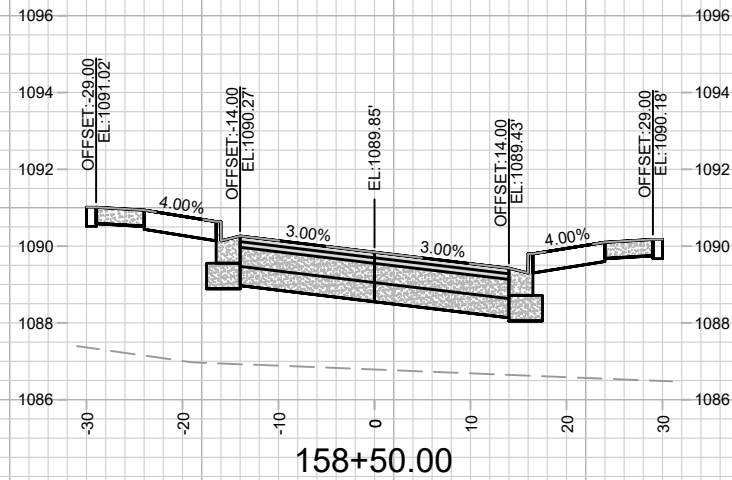
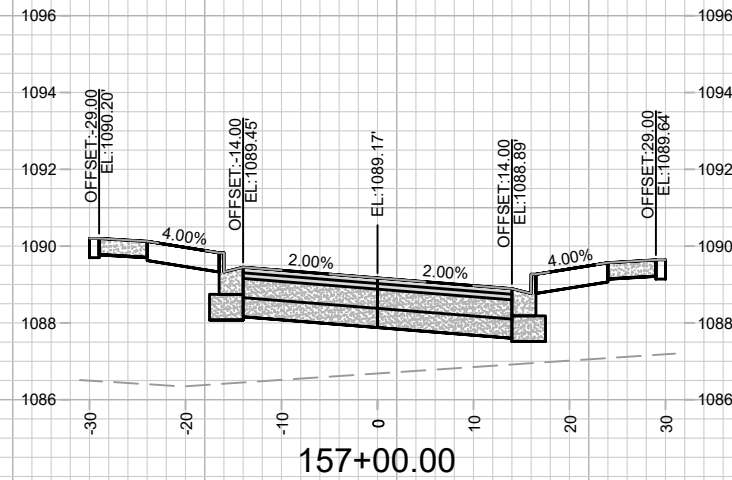
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CROSS SECTIONS - WISTERIA STREET
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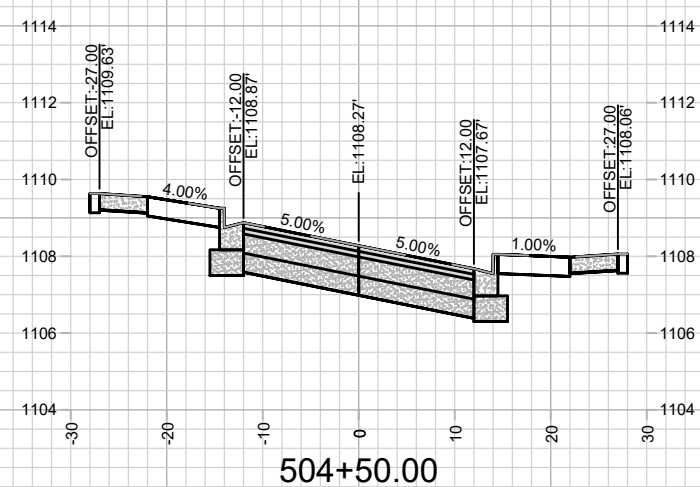
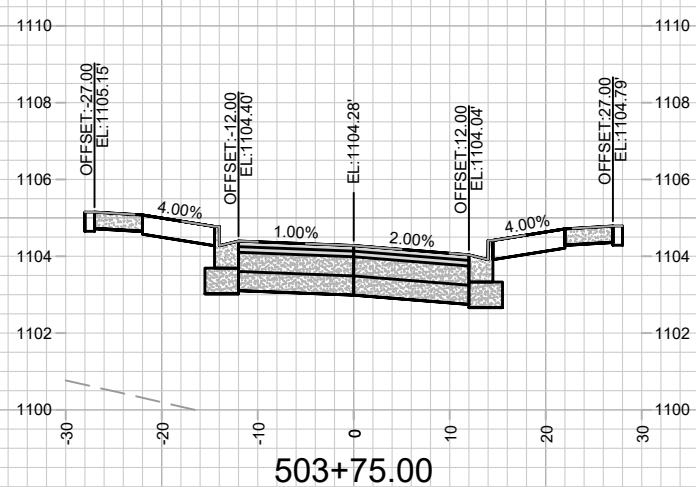
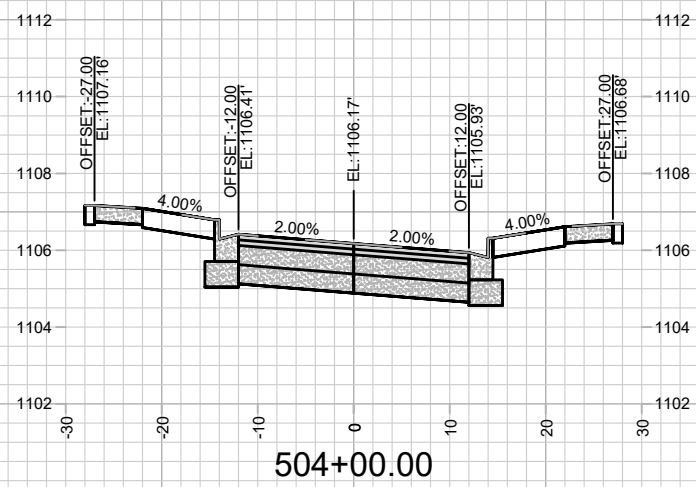
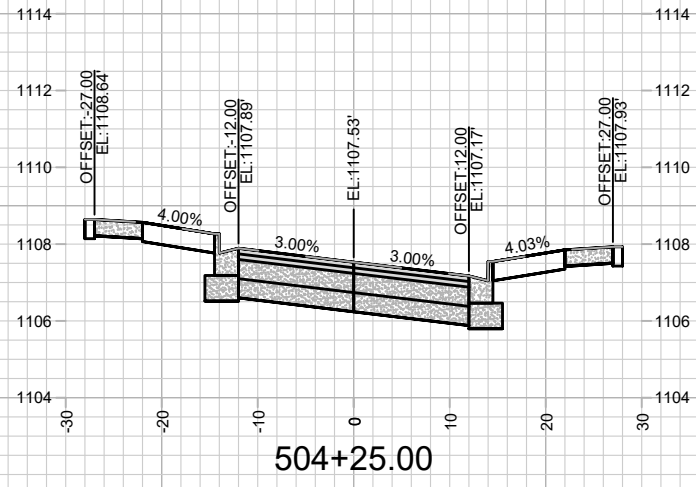
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CROSS SECTIONS - GOLDEN EAGLE DRIVE
WESTWIND
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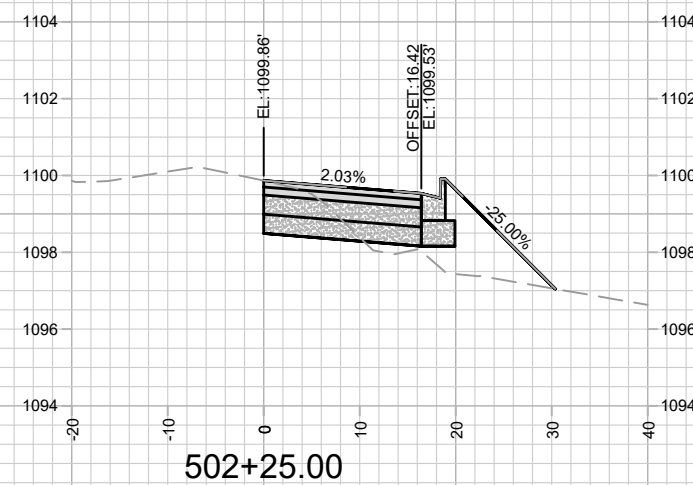
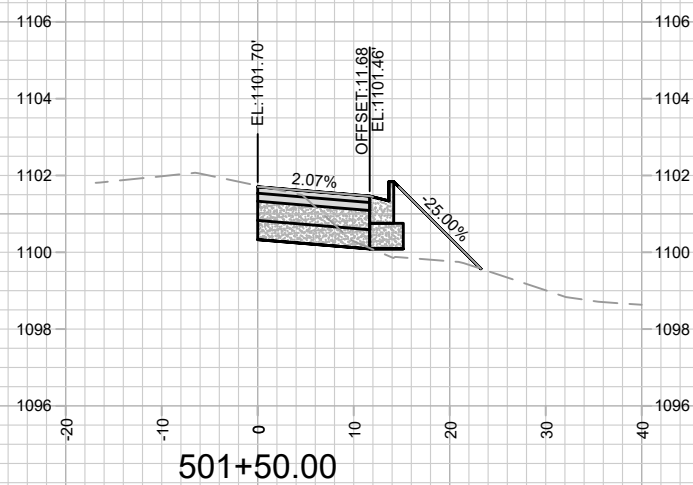
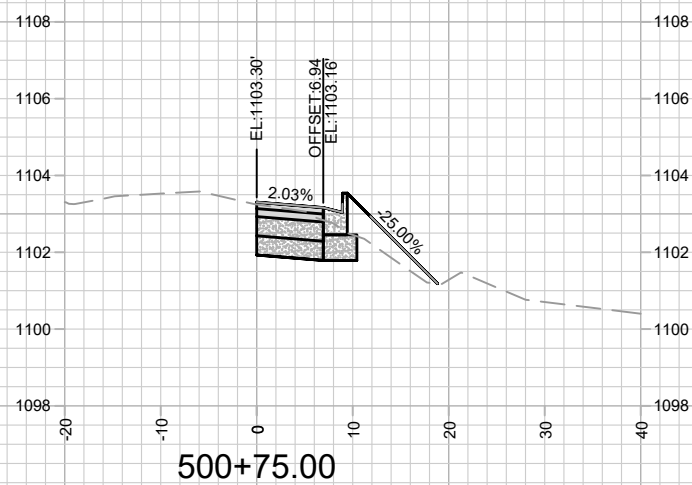
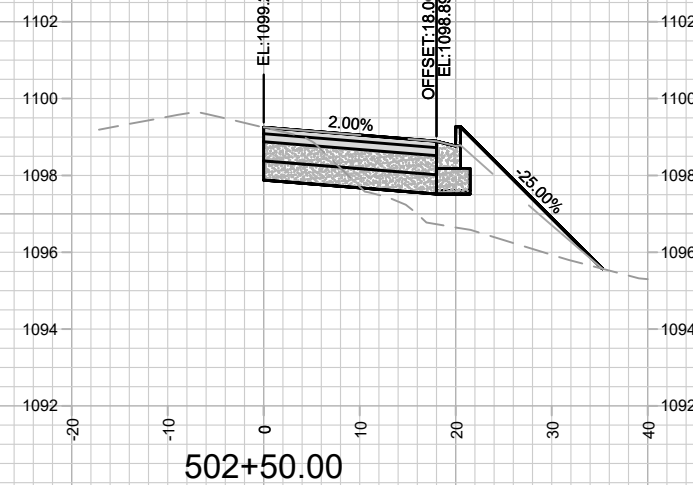
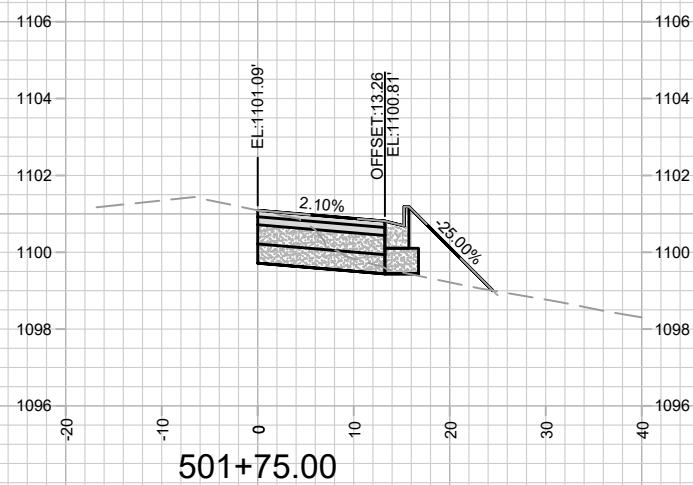
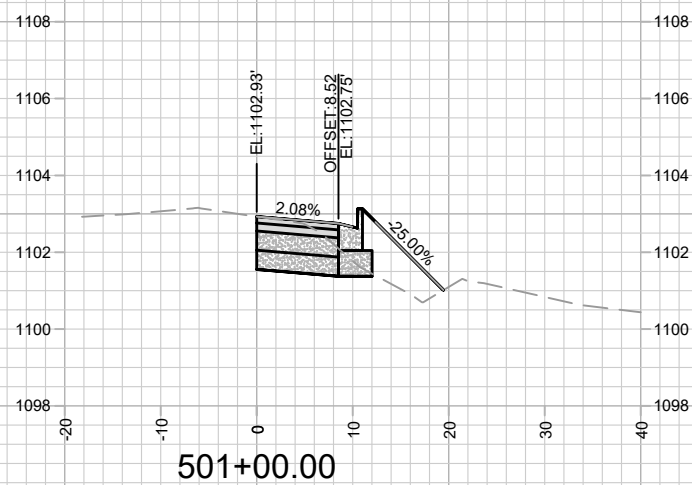
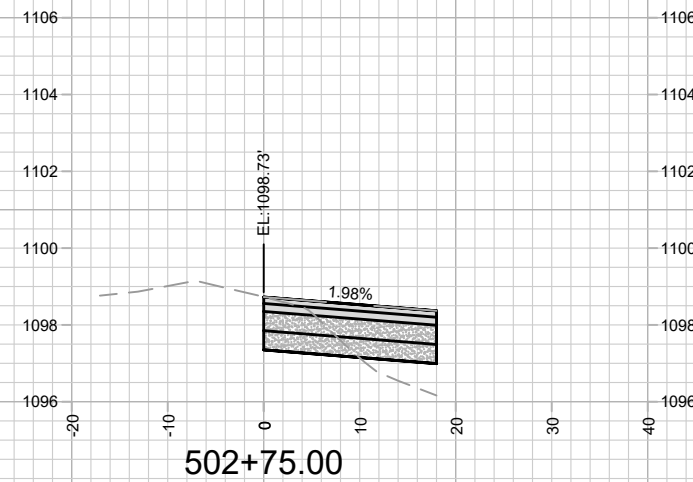
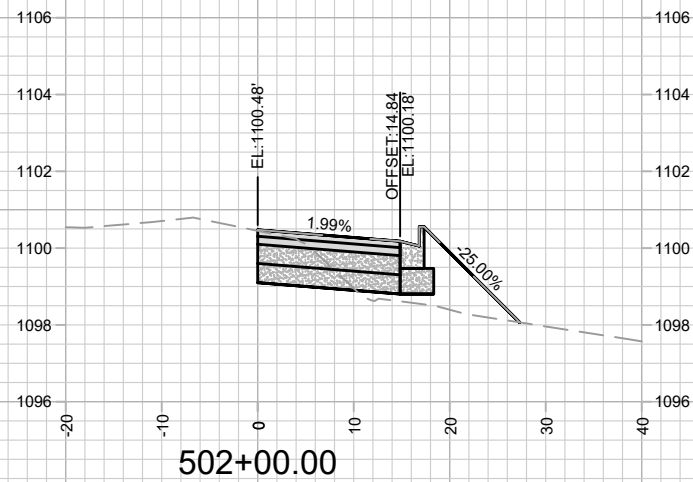


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CROSS SECTIONS - HYDRANGEA ROAD

WESTWIND

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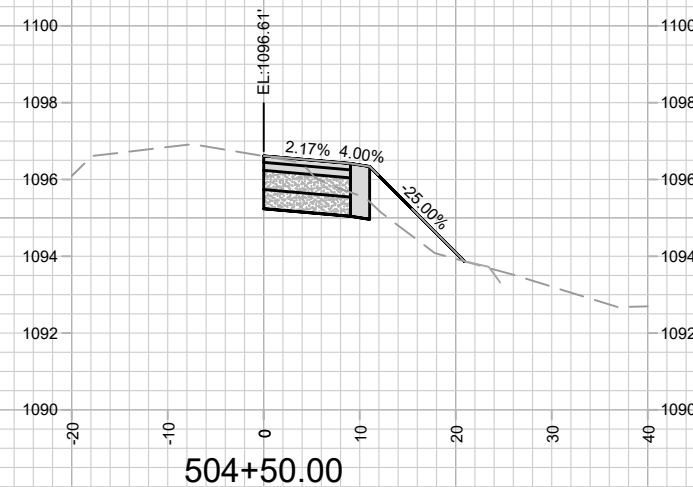
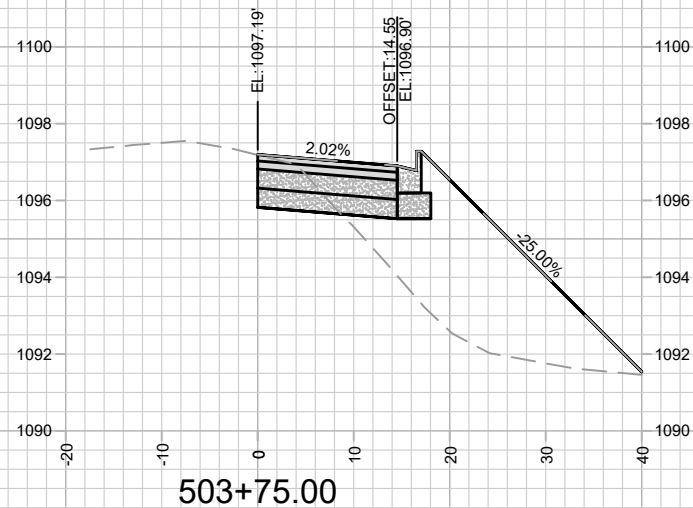
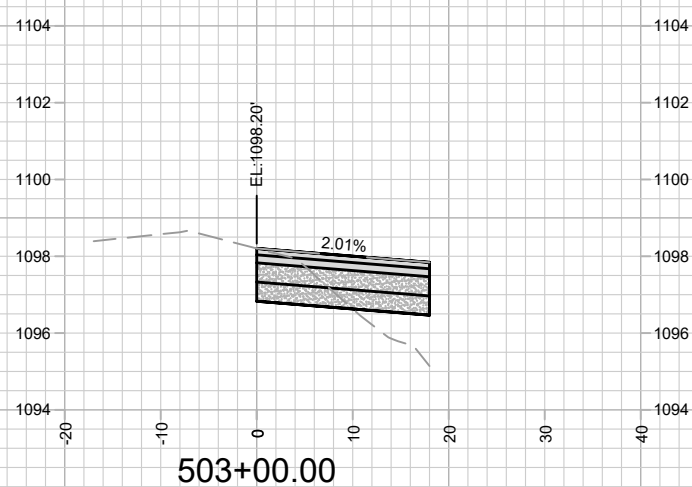
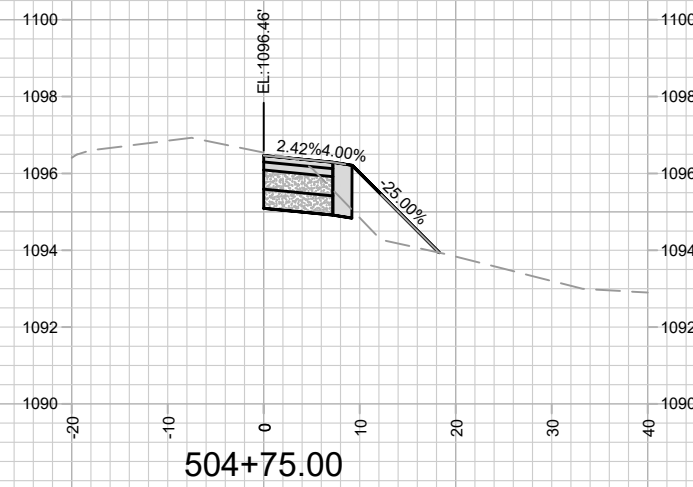
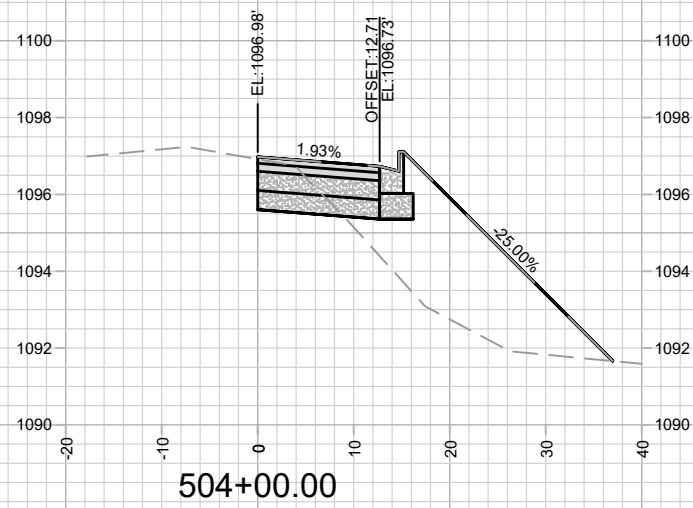
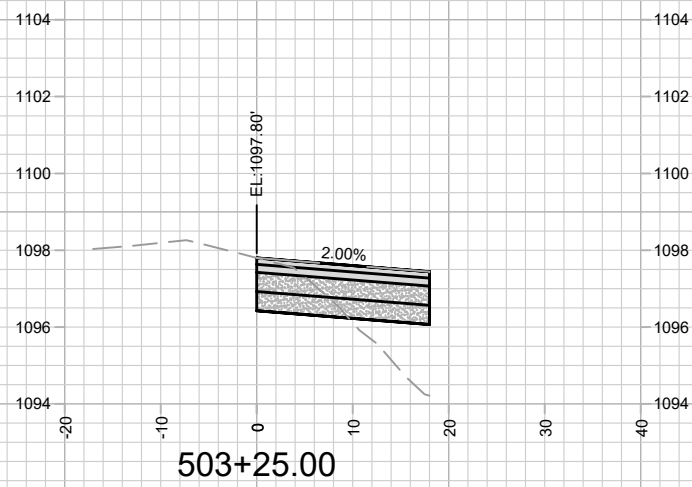
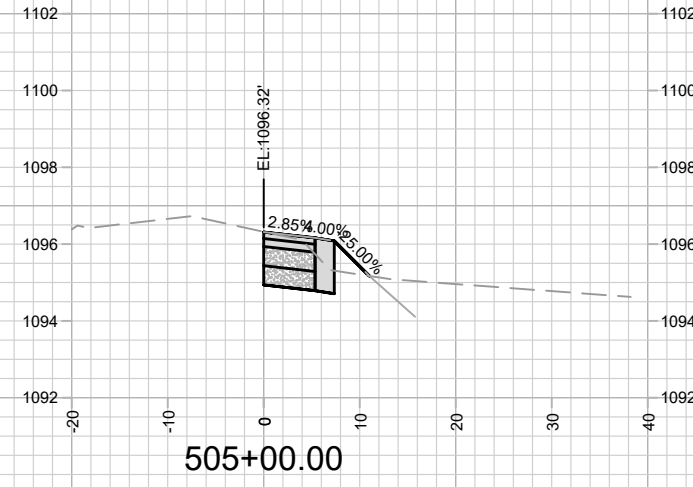
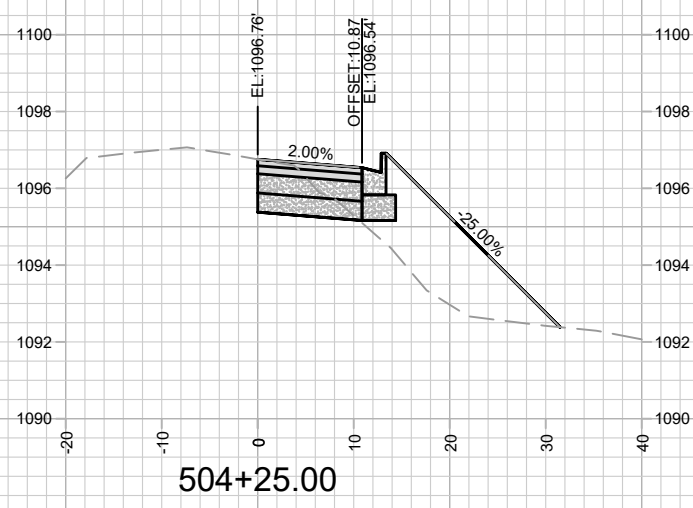
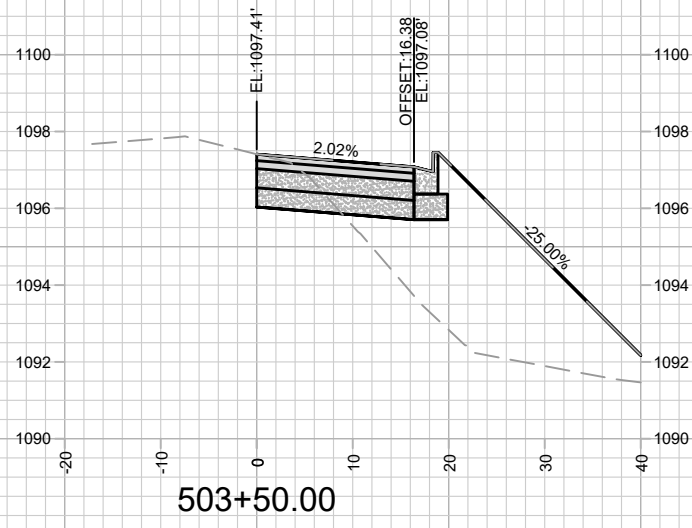
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CROSS SECTIONS - PIONEER ROAD
WESTWIND
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CONTRACT NO:



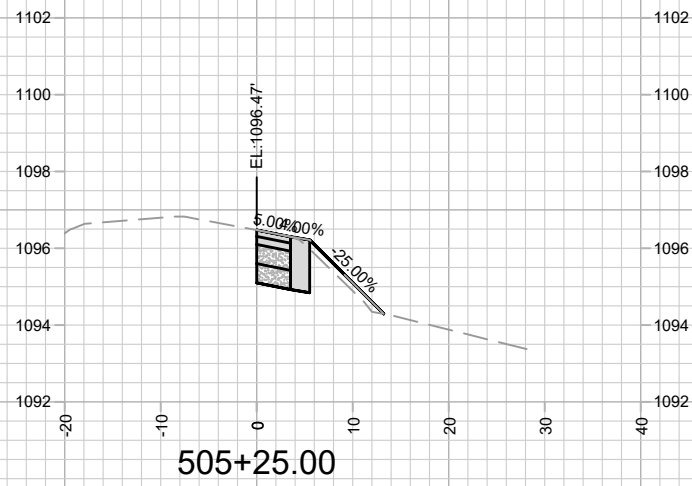
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CROSS SECTIONS - PIONEER ROAD
WESTWIND
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X-17

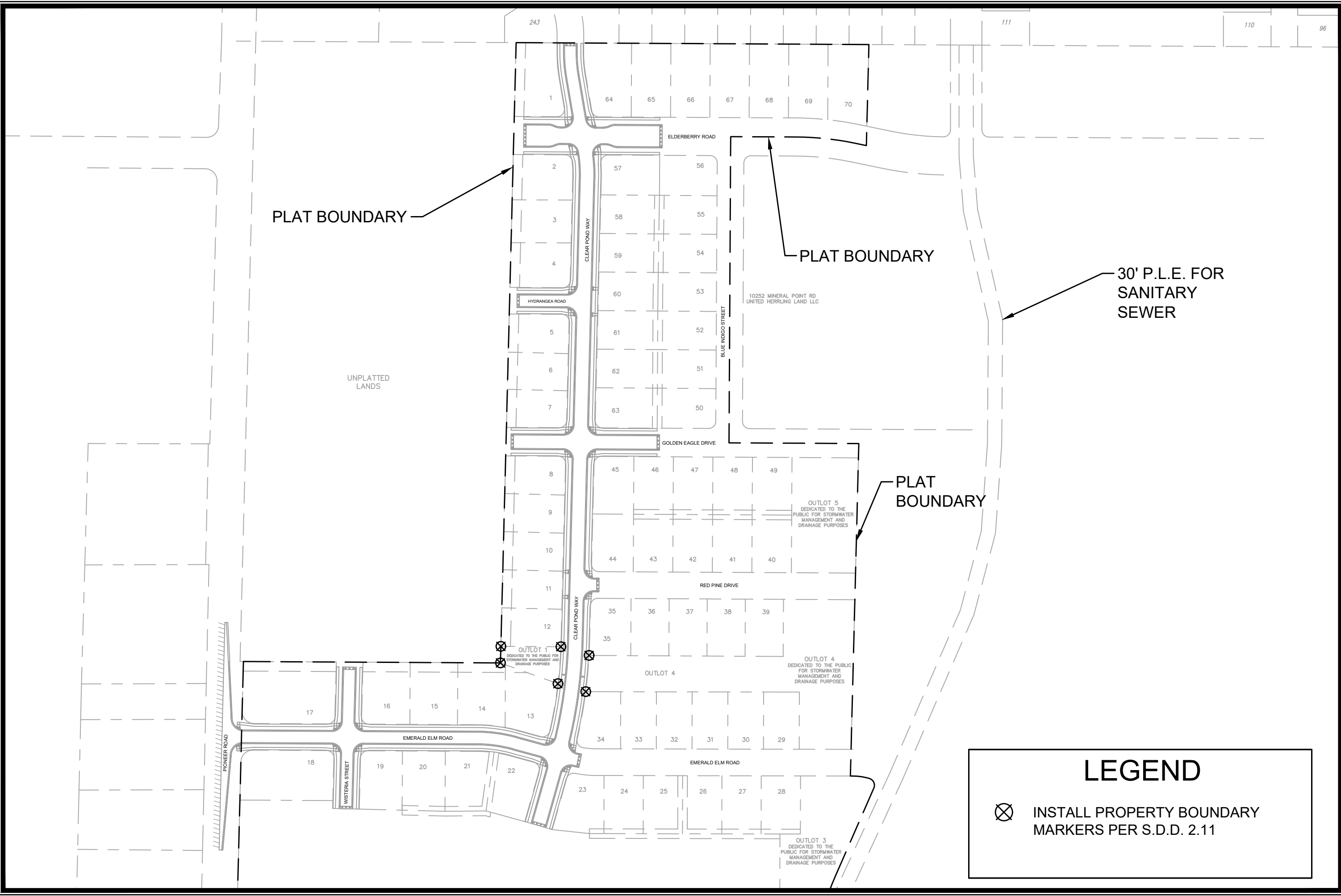


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CROSS SECTIONS - PIONEER ROAD
WESTWIND
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MADISON, WI
CONTRACT NO: 9126

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LEGEND

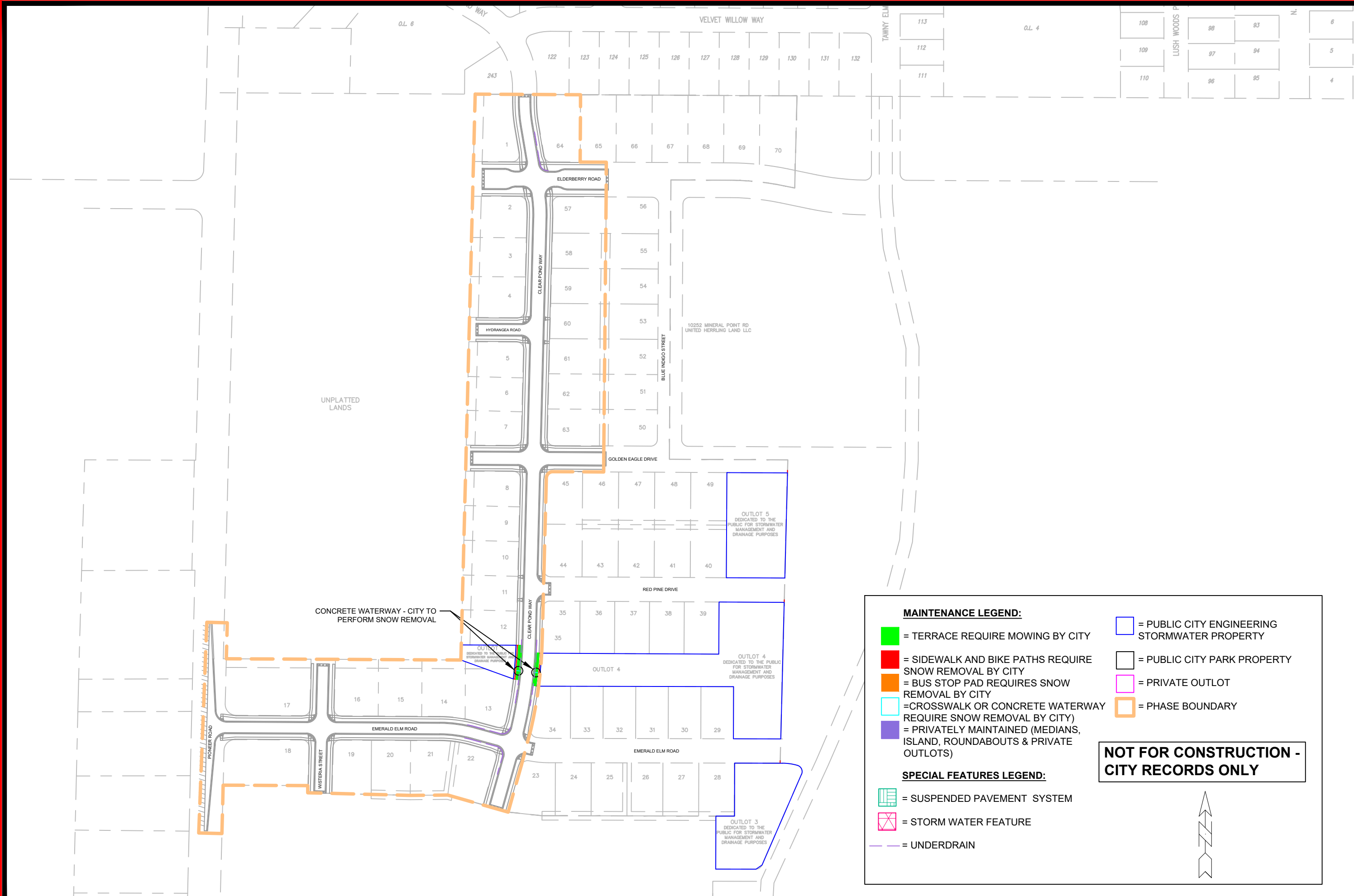
⊗ INSTALL PROPERTY BOUNDARY MARKERS PER S.D.D. 2.11

MARK	REVISION	DATE	BY
13910	5/18/2023	8:49 AM	BM-1

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BOUNDARY MARKERS PLAN
WESTWIND
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 BM-1



CONCRETE WATERWAY - CITY TO PERFORM SNOW REMOVAL

OUTLOT 1 DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT AND DRAINAGE PURPOSES

OUTLOT 5 DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT AND DRAINAGE PURPOSES

OUTLOT 4 DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT AND DRAINAGE PURPOSES

OUTLOT 3 DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT AND DRAINAGE PURPOSES

MAINTENANCE LEGEND:

- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- = CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY
- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)
- = PHASE BOUNDARY
- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = PUBLIC CITY PARK PROPERTY
- = PRIVATE OUTLOT

SPECIAL FEATURES LEGEND:

- = SUSPENDED PAVEMENT SYSTEM
- = STORM WATER FEATURE
- = UNDERDRAIN

NOT FOR CONSTRUCTION - CITY RECORDS ONLY

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MAINTENANCE MAP		WESTWIND	
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