

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

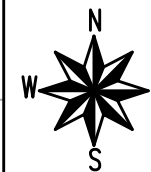
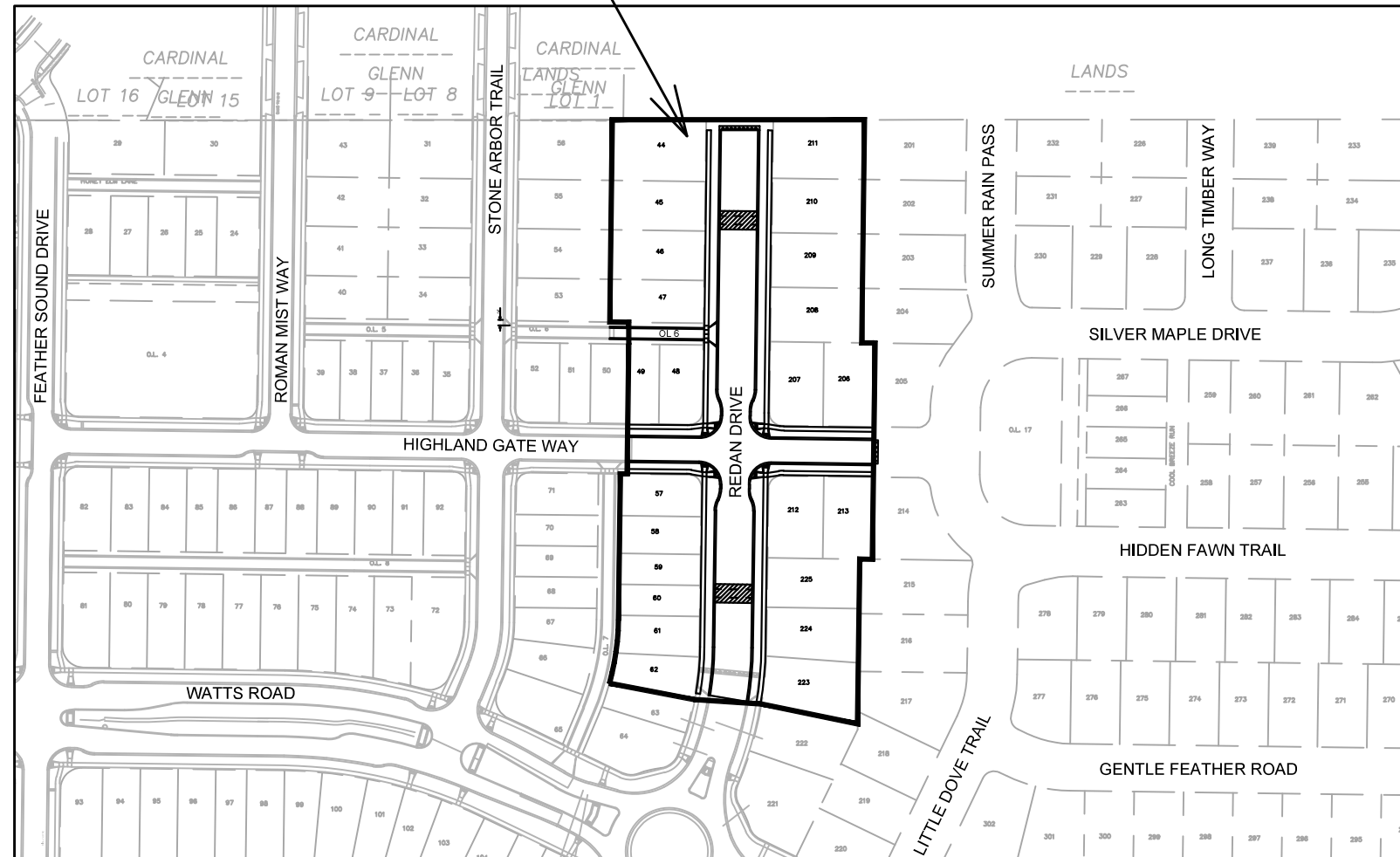
## ACACIA RIDGE PHASE 6

CITY PROJECT NO. 13530  
CONTRACT NO. 9040

**INDEX OF SHEETS**

SHEET NO.	NOTES AND DETAILS
D1-D2	NOTES AND DETAILS
P1-P4	STREET PLAN & PROFILES
U1-U4	UTILITY PLAN & PROFILES
USAN	SANITARY SEWER SCHEDULE
USTM	STORM SEWER SCHEDULE
W1-W5	WATER PLANS
X1-X22	CROSS SECTIONS
NO MAINTENANCE PLAN	

**PROJECT LOCATION**



PUBLIC IMPROVEMENT PROJECT APPROVED

JUNE 15, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

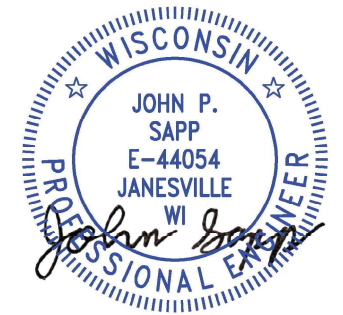
*Greg Fries*

Sep 2, 2021

City Engineer

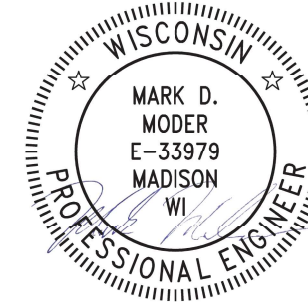
Date

STREET GRADES DESIGNED BY:



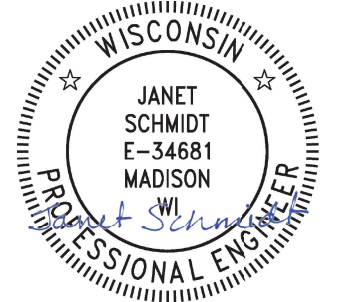
Sep 2, 2021

SANITARY SEWER DESIGNED BY:



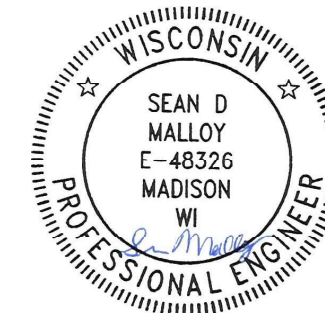
Sep 3, 2021

STORM SEWER DESIGNED BY:



Sep 3, 2021

STREET GEOMETRY DESIGNED BY:



Sep 3, 2021

WATER DESIGNED BY:



Sep 3, 2021

PLOT SCALE: 1"=0' = 1"=0" XREF

PLOT NAME: ---

REV. DATE: 8/27/2021 2:47 PM

ORIGINATOR: CITY\_OF\_MADISON



ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)

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.

CONTACT PROJECT ENGINEER AND STREET DESIGNER JOHN SAPP AT JSAPP@CITYOFMADISON.COM FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	—— G ——
STORM SEWER	—— ST ——
SANITARY SEWER	—— SN ——
WATER	—— W ——
BURIED ELECTRIC	—— E ——
OVERHEAD ELECTRIC	—— OH ——
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

ALL PAVEMENT IN THE HIGHLAND GATE WAY RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE REDAN DRIVE RIGHT-OF-WAY SHALL BE TYPE B 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 BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. 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.

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

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

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

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

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

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

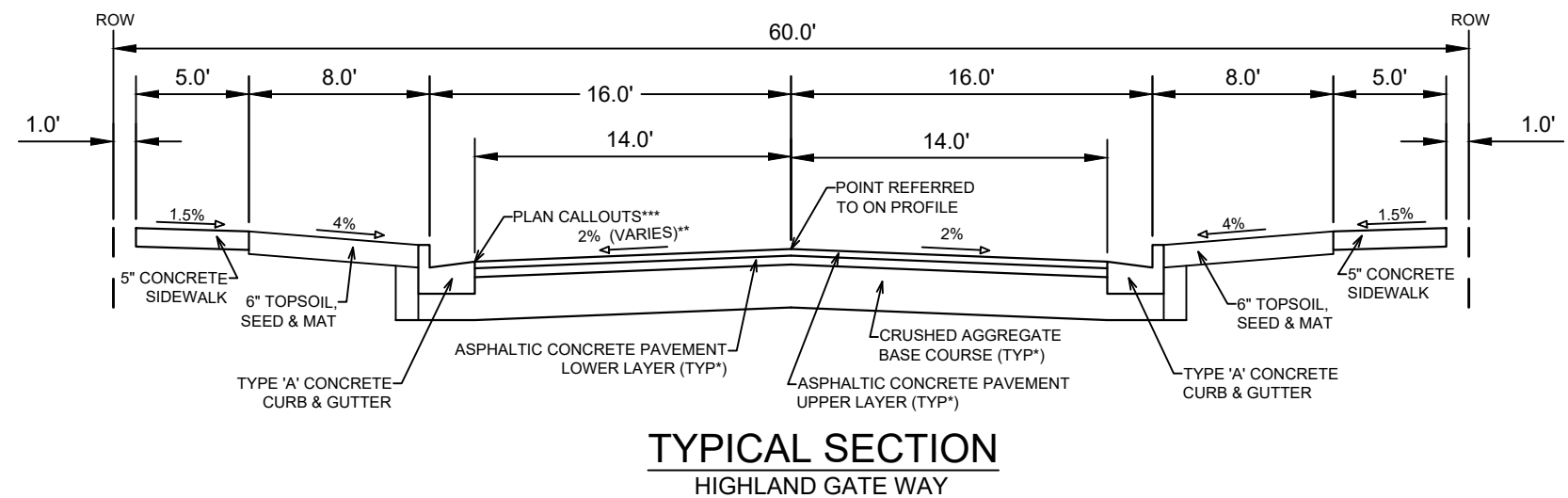
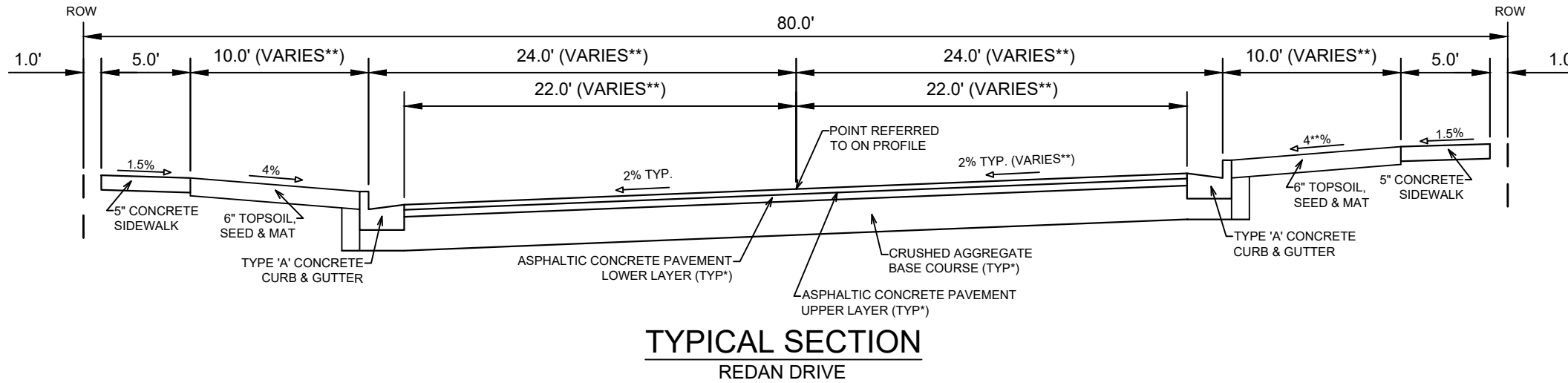
PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

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

13530	MADISON, WI	9040	13530	D-1
STANDARD NOTES		CONTRACT NO:		
ACACIA RIDGE PHASE 6				
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13530				
D-1				

REV#1-IO-12/11/24

1. Surface paving responsibility changed.



**NOTES:**

\* REDAN DRIVE SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †

\* HIGHLAND GATE WAY SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †

\*\* SEE PLAN AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS

\*\*\* POINT REFERRED TO ON PLAN SHEET IS THE EDGE OF PAVEMENT.

- THE CITY SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 6 PER ADDENDUM #1, CONTRACT # 9041.

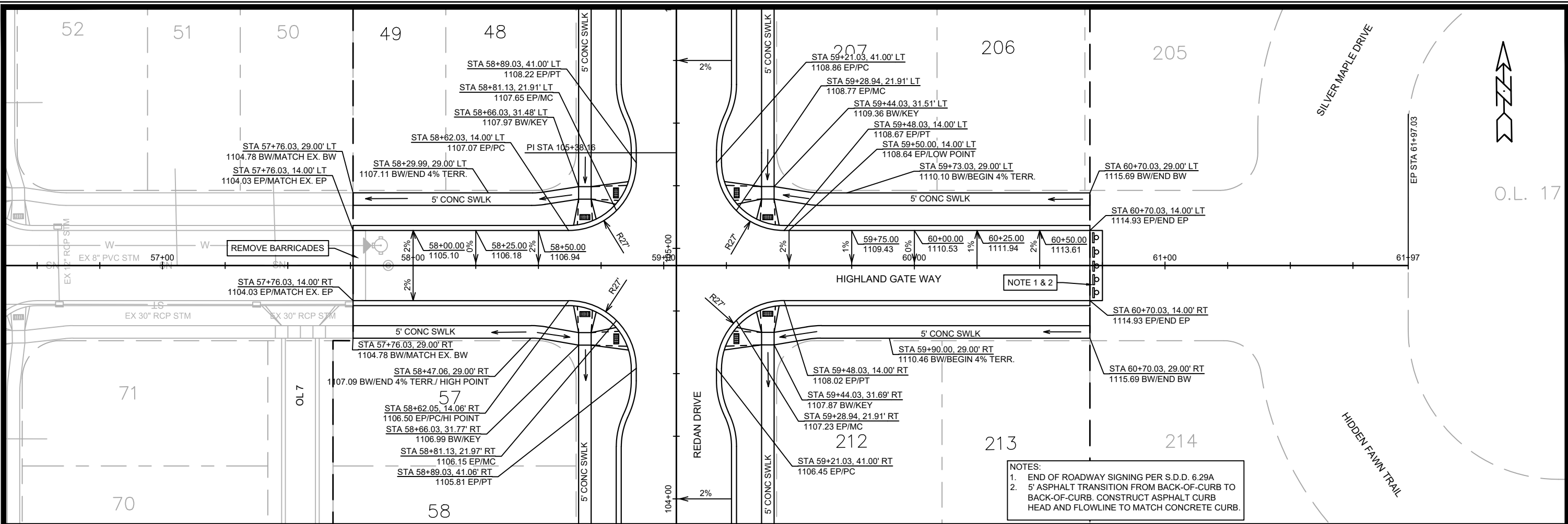
CITY OF MADISON MINIMUM PAVEMENT DESIGN †

TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H	2.00"

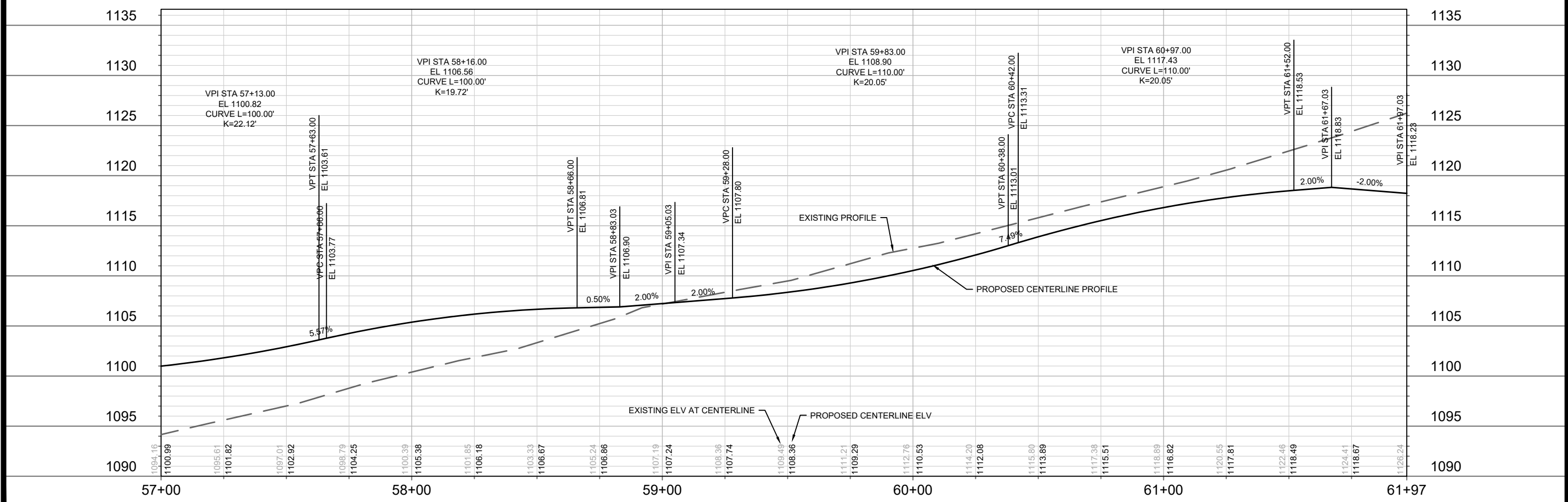
13530  
MADISON, WI  
9040  
CONTRACT NO:

STANDARD DETAILS  
ACACIA RIDGE PHASE 6  
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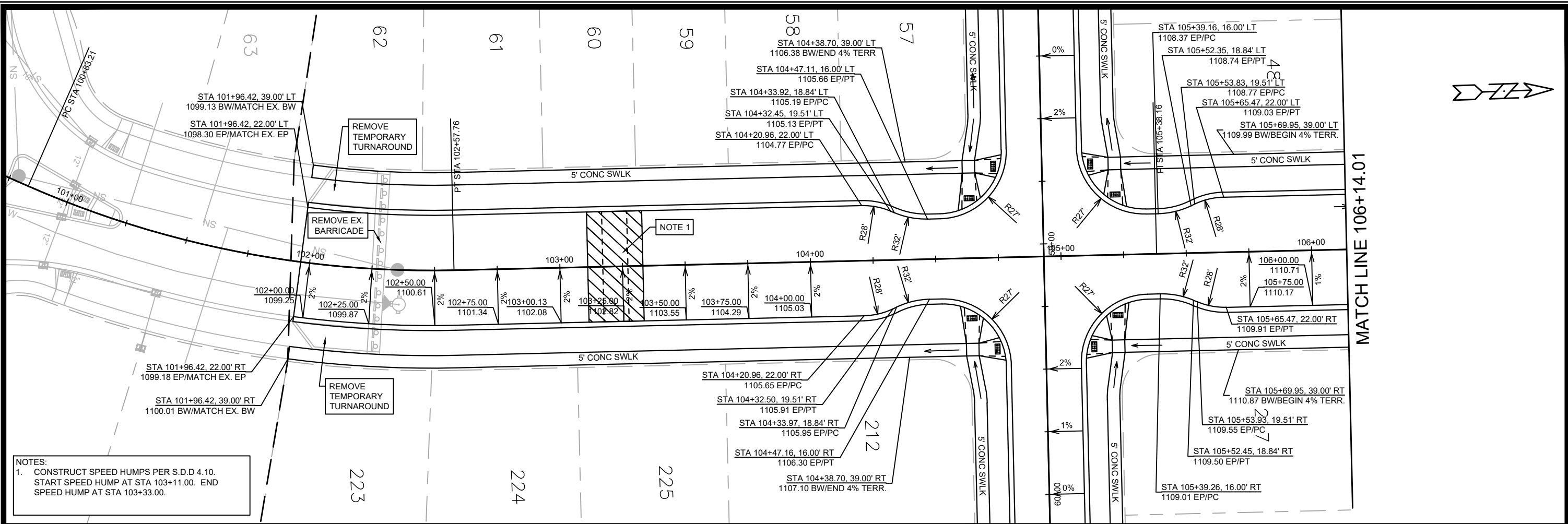
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D-2



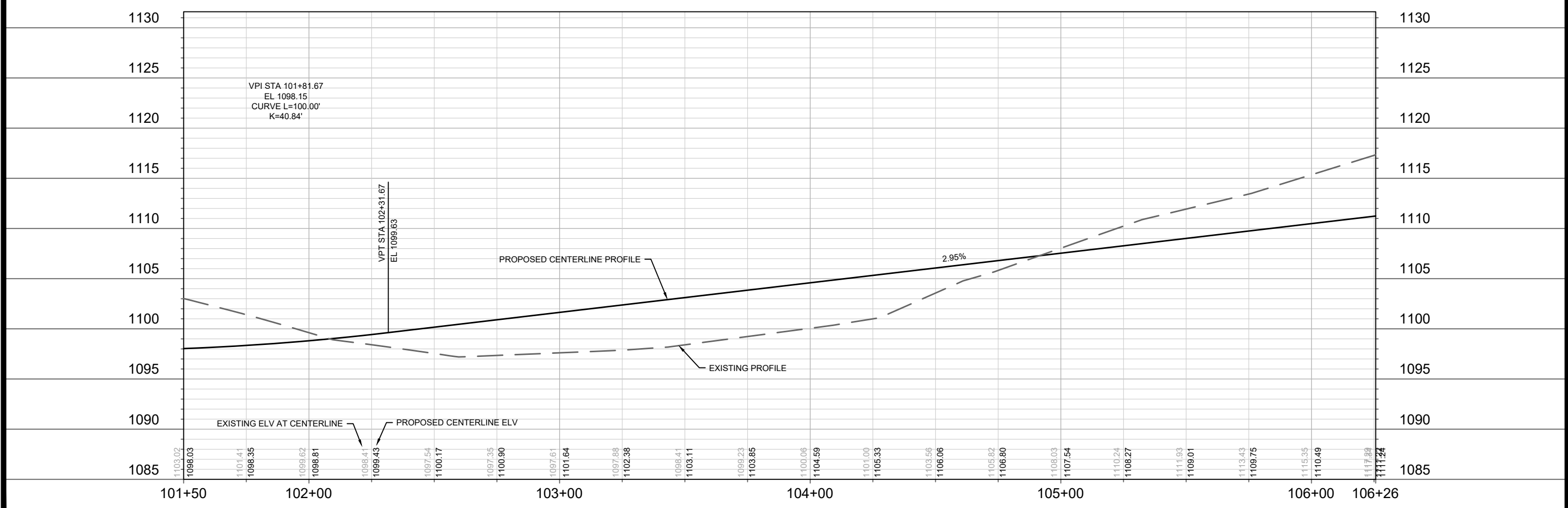
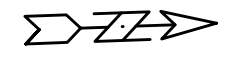
- NOTES:
1. END OF ROADWAY SIGNING PER S.D.D. 6.29A
  2. 5' ASPHALT TRANSITION FROM BACK-OF-CURB TO BACK-OF-CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.



13530	MADISON, WI	9040	CONTRACT NO:
<b>HIGHLAND GATE WAY - PLAN &amp; PROFILE</b> <b>ACACIA RIDGE PHASE 6</b>			
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13530	P-1	P-1	P-1



NOTES:  
 1. CONSTRUCT SPEED HUMPS PER S.D.D 4.10.  
 START SPEED HUMP AT STA 103+11.00. END  
 SPEED HUMP AT STA 103+33.00.

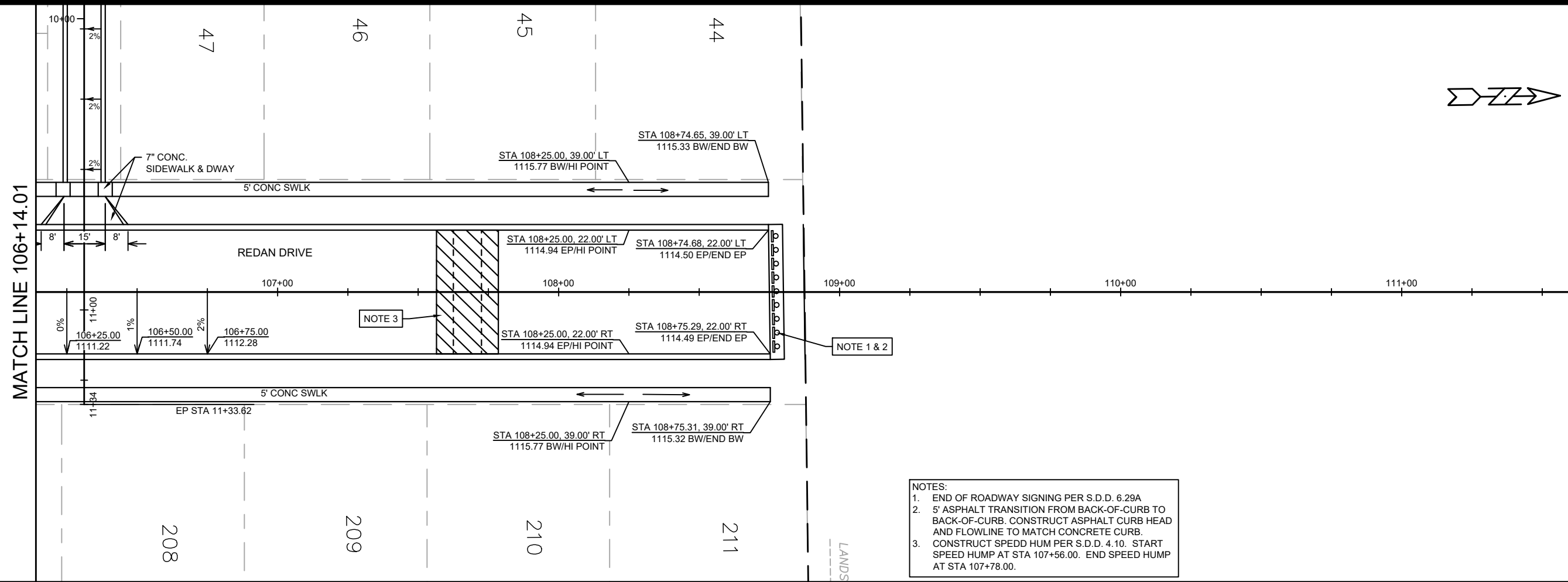


DATE	BY
REVISION	SCALE: #####
DESIGNED BY: ###	DATE: 8/13/2021 2:25 PM
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CONTRACT NO.	9040
PROJECT NO.	13530
PROJECT NAME	MADISON, WI
PROJECT ADDRESS	13530
PROJECT CITY	MADISON, WI
PROJECT STATE	WI
PROJECT ZIP	53706
PROJECT COUNTY	DANE
PROJECT DISTRICT	13530
PROJECT SHEET	P-2

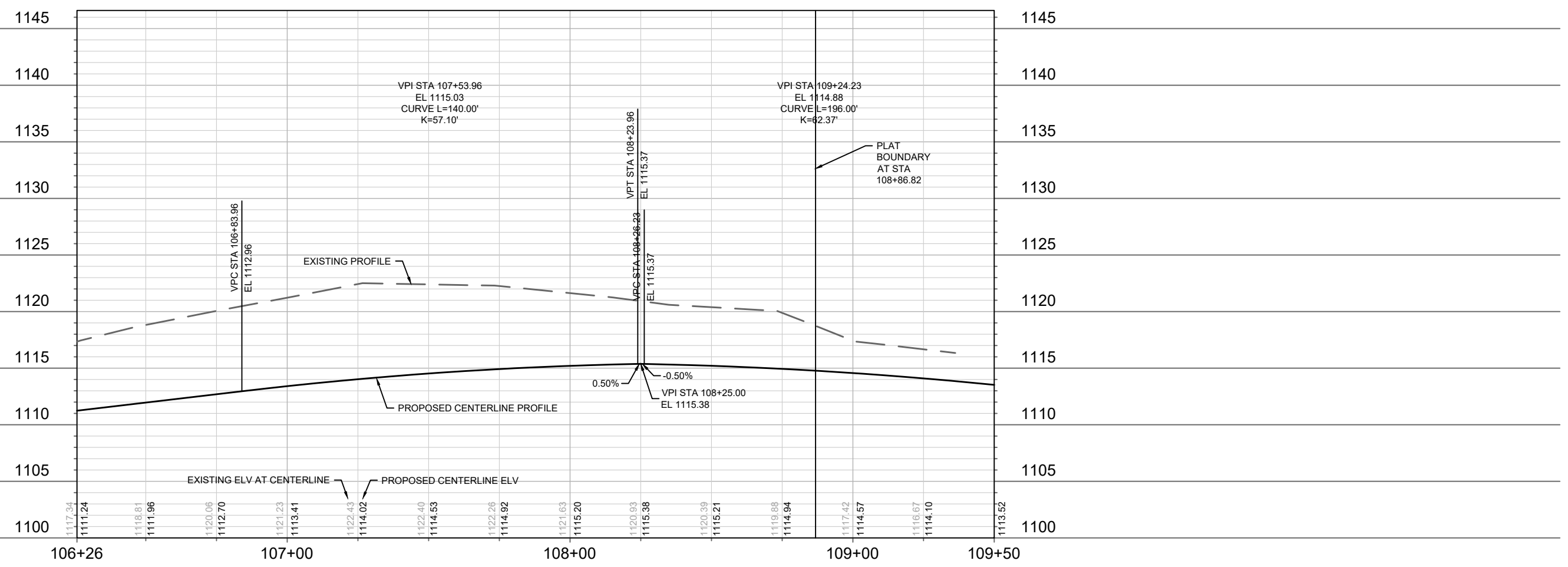
13530  
 MADISON, WI  
 CONTRACT NO: 9040

REDAN DRIVE - PLAN & PROFILE  
 ACACIA RIDGE PHASE 6  
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13530  
 P-2



- 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.
  3. CONSTRUCT SPEED HUMP PER S.D.D. 4.10. START SPEED HUMP AT STA 107+56.00. END SPEED HUMP AT STA 107+78.00.

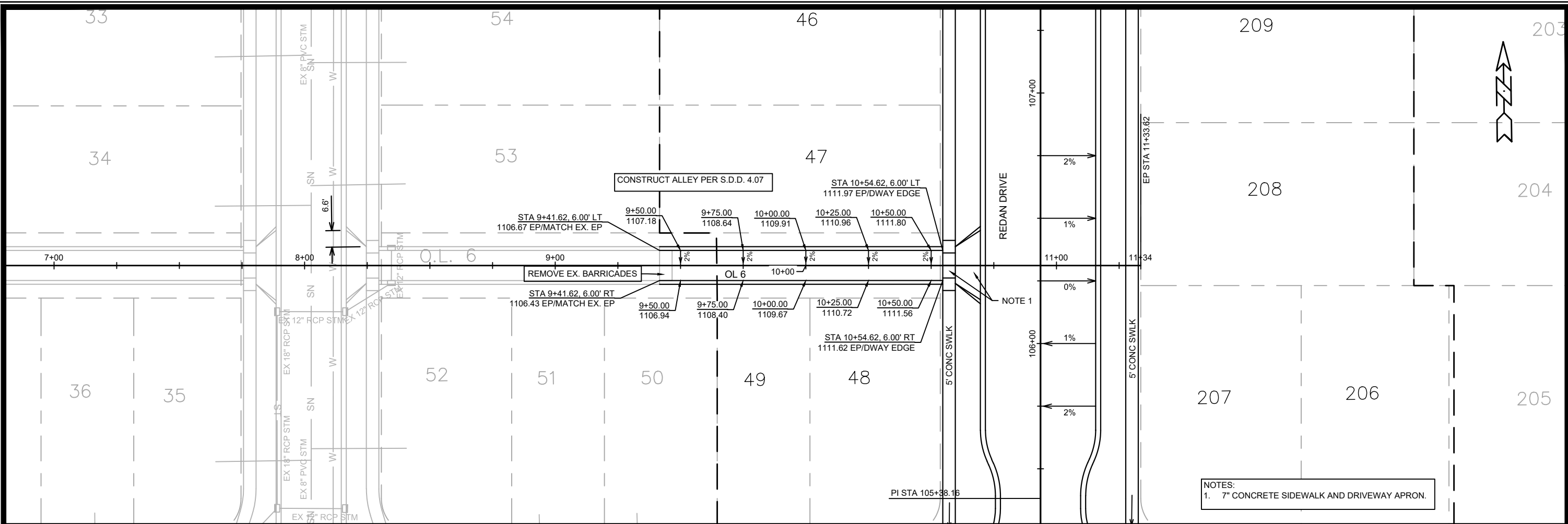


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REVISION	DATE
MARK	DESIGNED BY: ###
13530	Scale: #####
13530	P-3

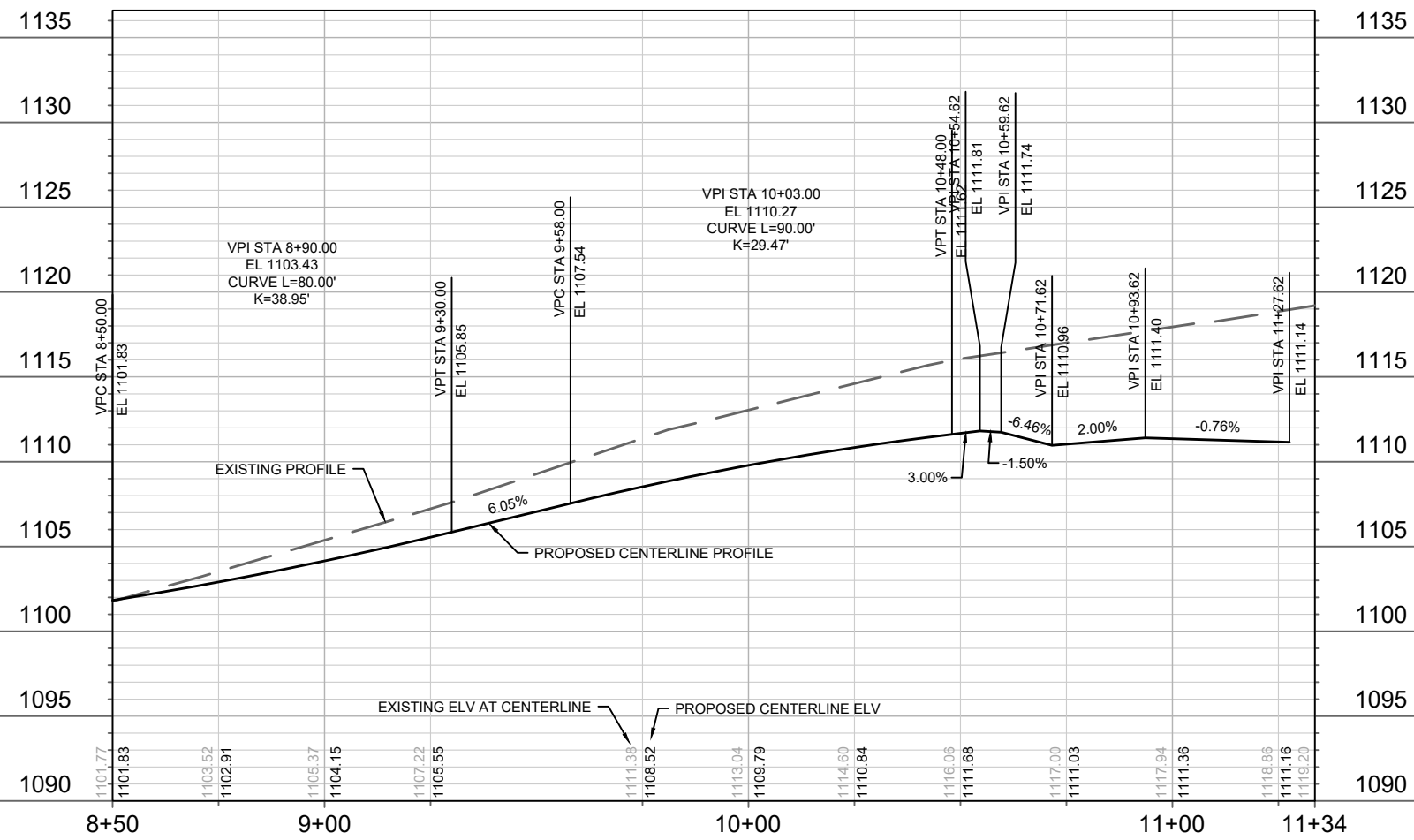
13530  
MADISON, WI  
CONTRACT NO: 9040

REDAN DRIVE - PLAN & PROFILE  
ACACIA RIDGE PHASE 6  
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P-3



NOTES:  
1. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.

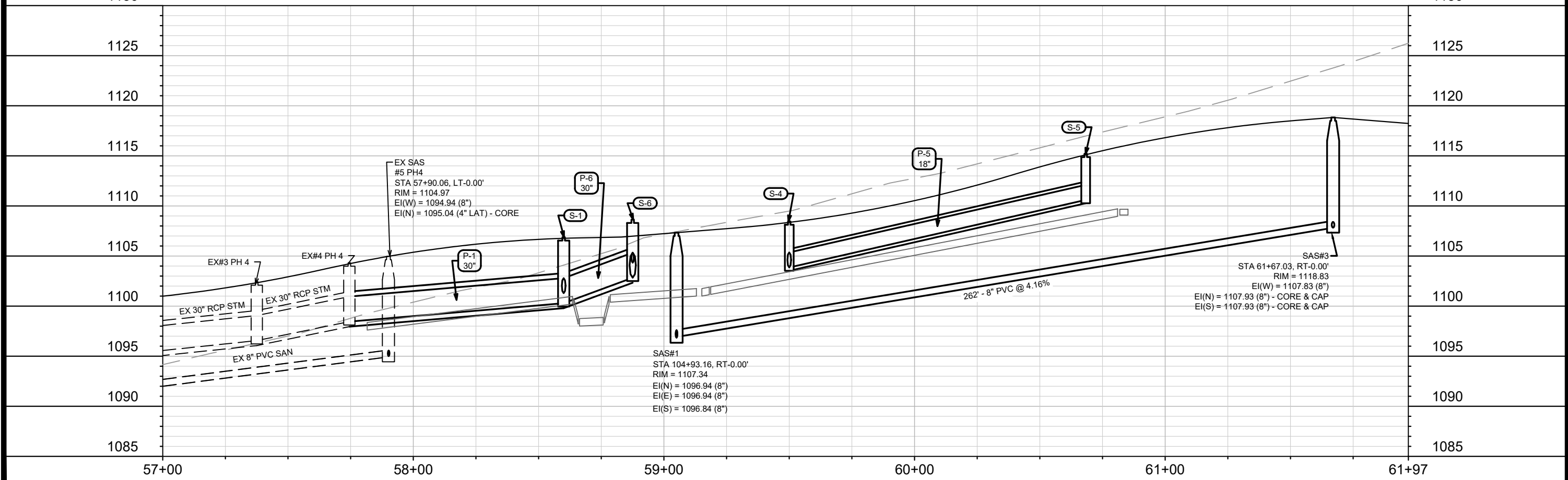
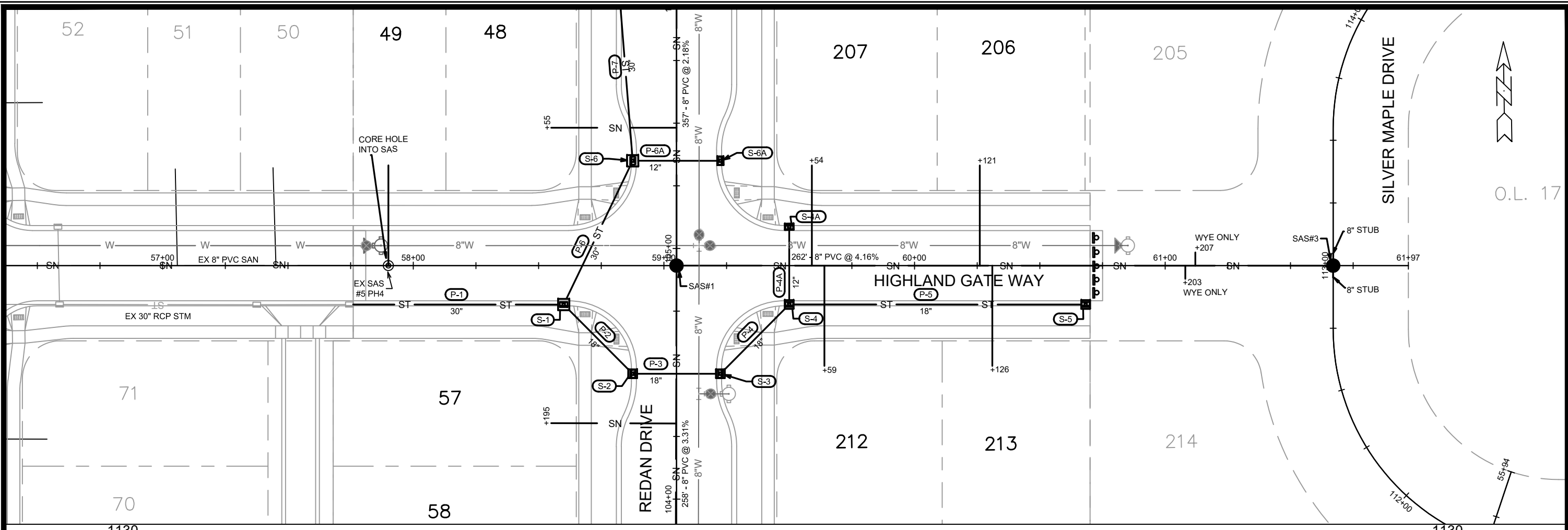


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13530  
MADISON, WI  
9040  
CONTRACT NO:

OL 6 - PLAN & PROFILE  
ACACIA RIDGE PHASE 6  
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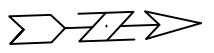
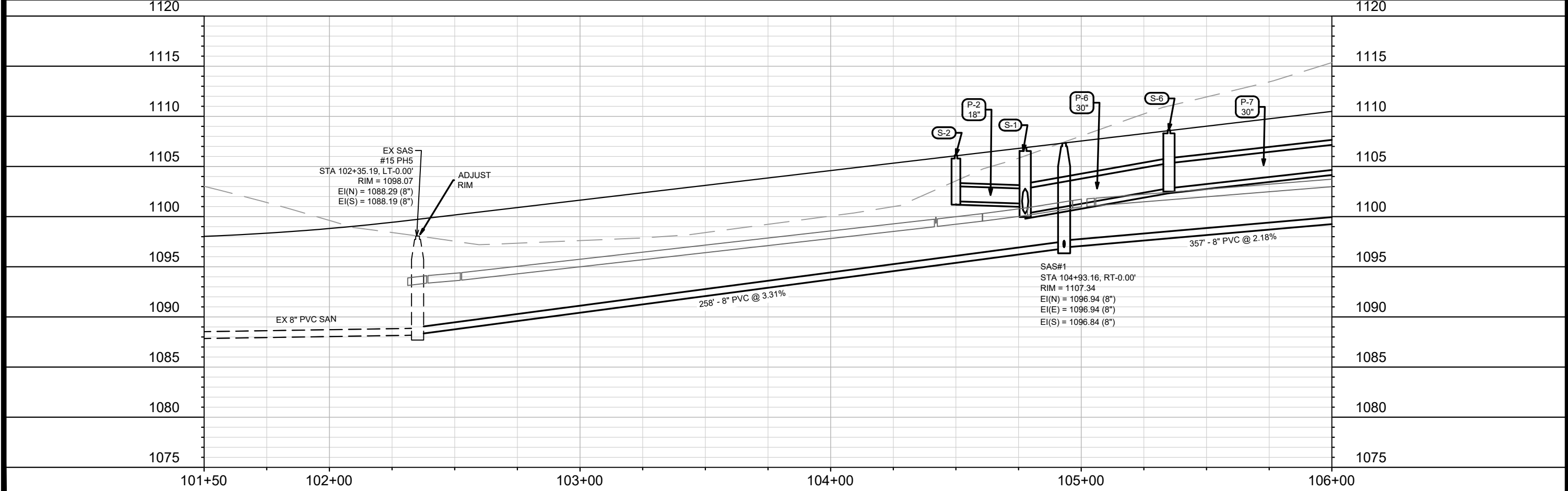
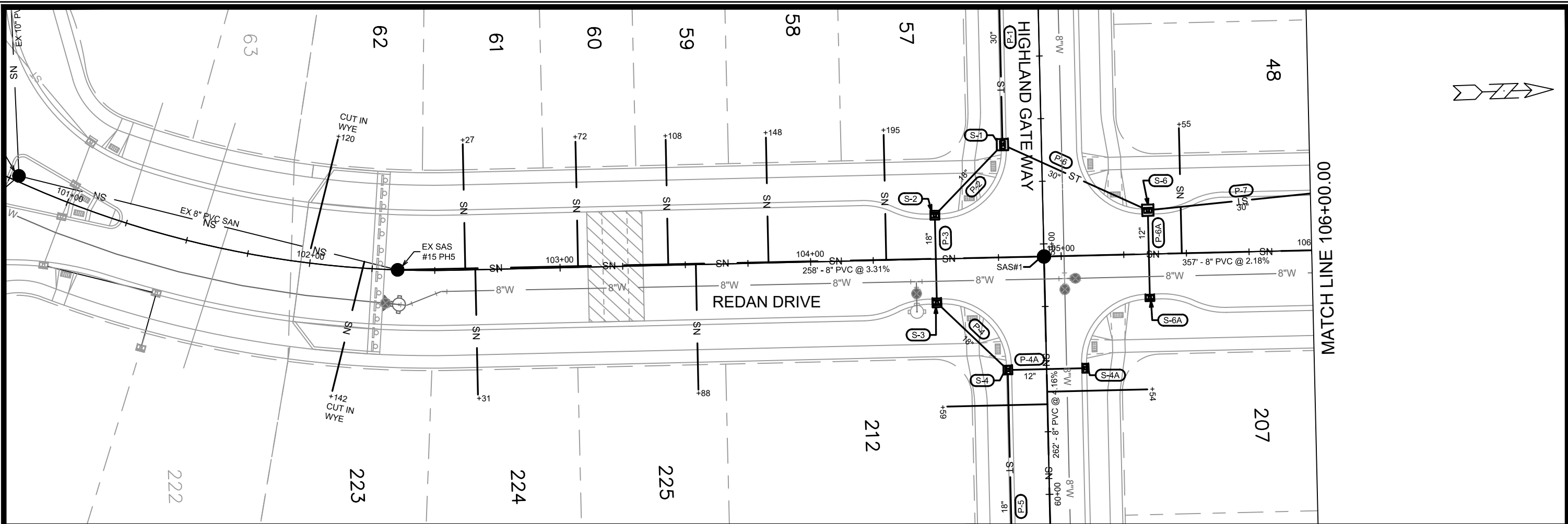
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 MADISON, WI  
 CONTRACT NO: 9040

HIGHLAND GATE WAY - UTILITIES PLAN & PROFILE  
 ACACIA RIDGE PHASE 6  
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 U-1





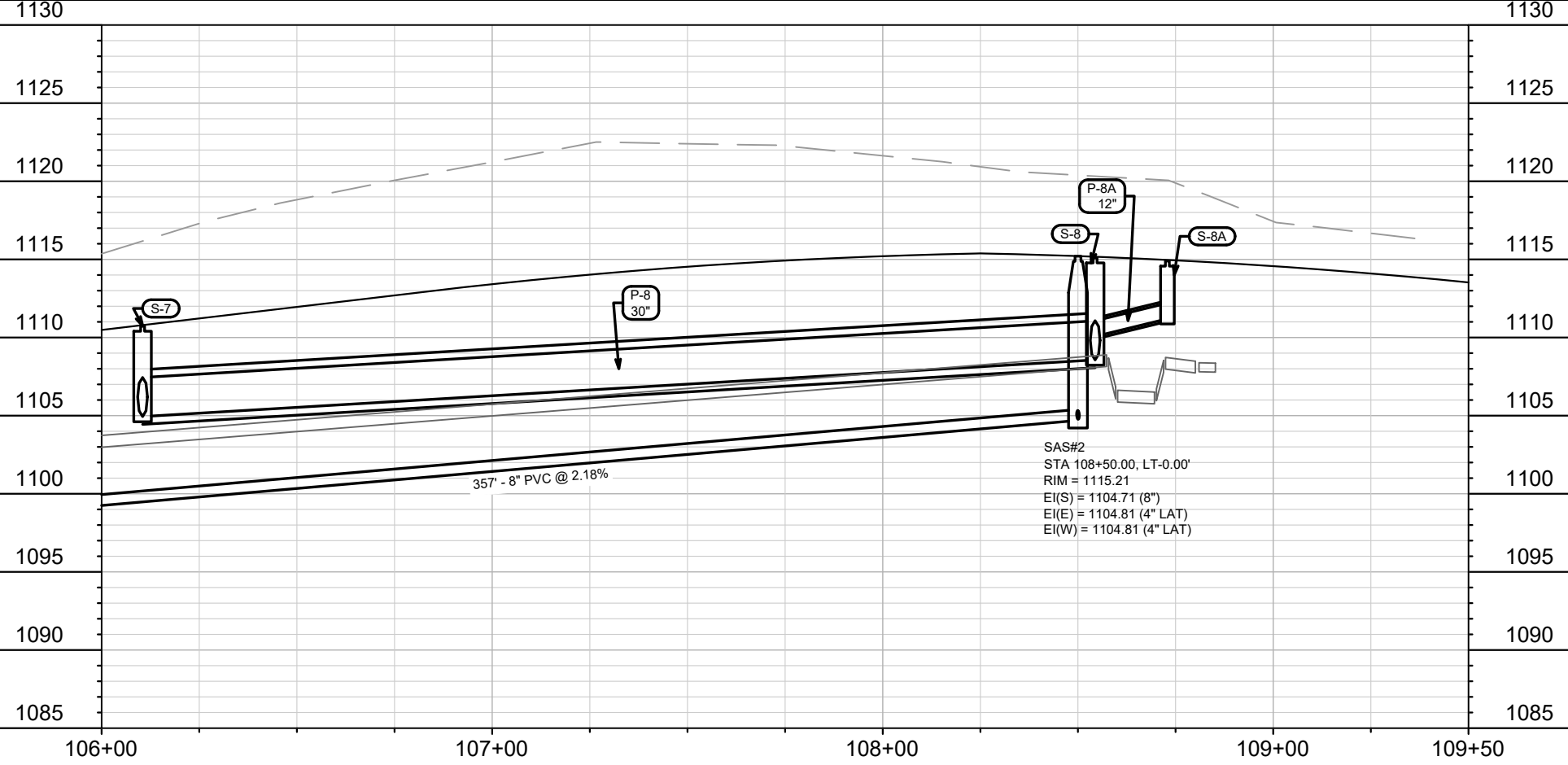
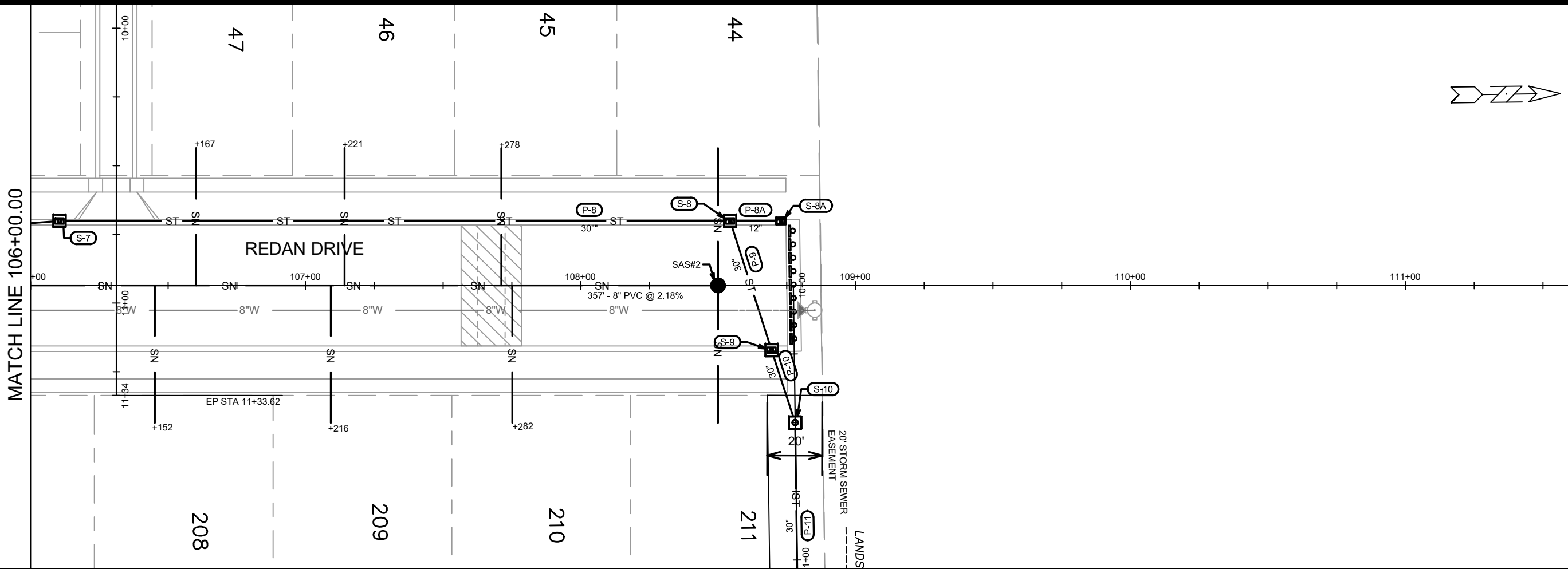
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Designed By: EEA	Date: 7/7/2021		
13530			U-2

13530  
MADISON, WI  
CONTRACT NO: 9040

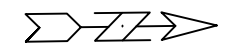
REDAN DRIVE - UTILITIES PLAN & PROFILE  
ACACIA RIDGE PHASE 6  
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13530  
U-2



SAS#2  
 STA 108+50.00, LT-0.00'  
 RIM = 1115.21  
 EI(S) = 1104.71 (8")  
 EI(E) = 1104.81 (4" LAT)  
 EI(W) = 1104.81 (4" LAT)



MARK	REVISION	DATE	BY
13530	7/7/2021		
Designed By: EEA	Date: 7/7/2021	Scale: 1"=40'	U-3

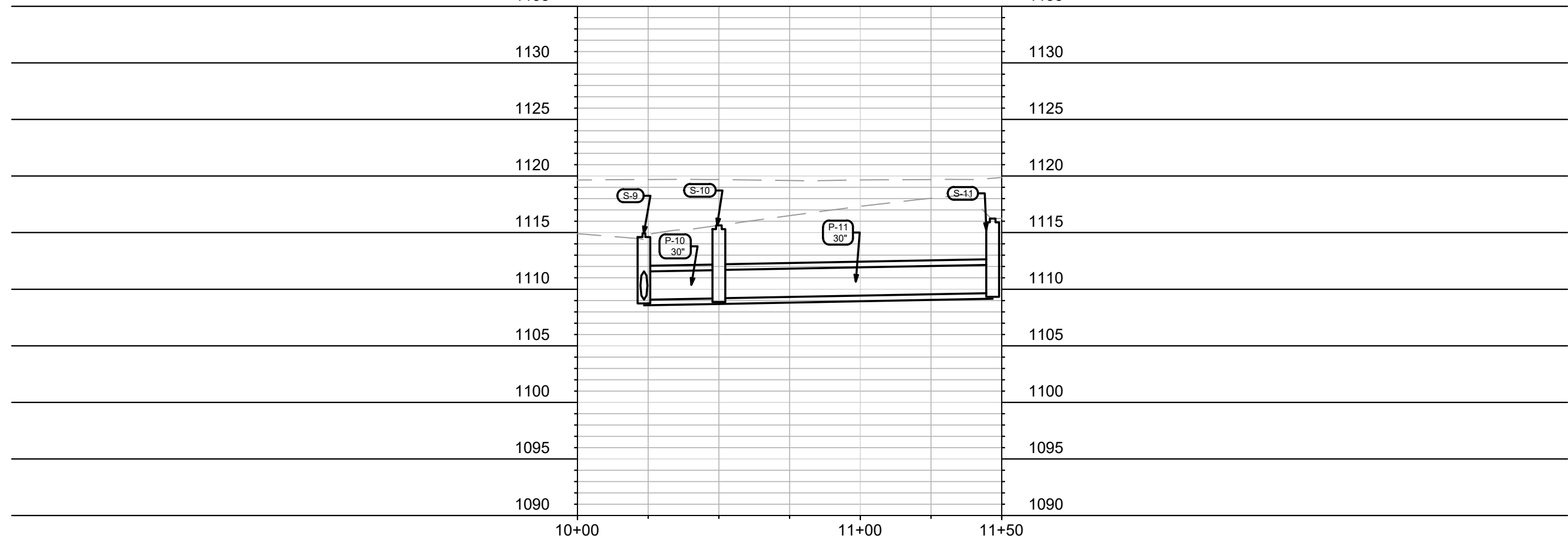
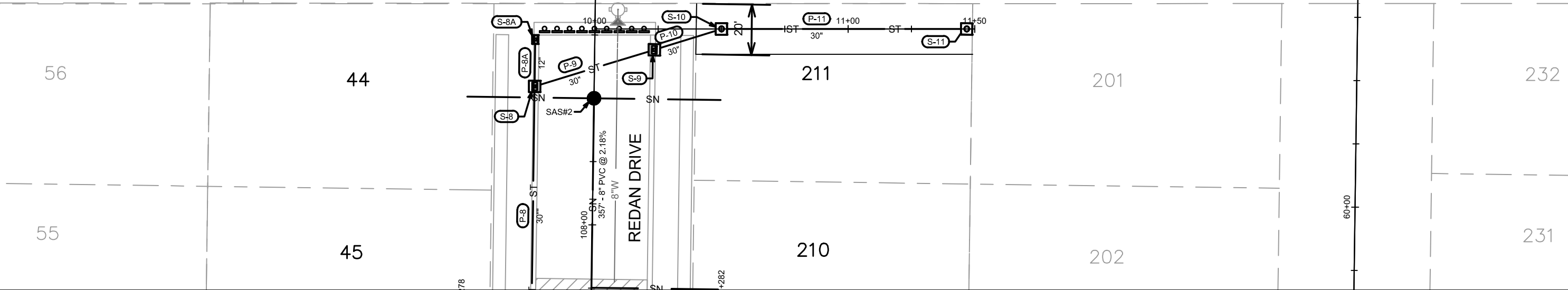
13530  
 MADISON, WI  
 CONTRACT NO: 9040

REDAN DRIVE - UTILITIES PLAN & PROFILE  
 ACACIA RIDGE PHASE 6  
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 U-3

CARDINAL  
GLENN

LOT 1



MARK	REVISION	DATE	BY
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13530  
 MADISON, WI  
 CONTRACT NO: 9040  
 STORM EASEMENT- UTILITIES PLAN & PROFILE  
 ACACIA RIDGE PHASE 6  
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13530  
 U-4

# SANITARY SEWER SCHEDULE

ACACIA RIDGE PHASE 6  
PROJECT NO. 13530

SHEET NO.  
U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

## PROPOSED SANITARY

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
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### REDAN DRIVE

SAS#1	104+93.16	CL	1107.34	1096.84	10.50	-
SAS#2	108+50.00	CL	1115.21	1104.71	10.50	-

### HIGHLAND GATE WAY

SAS#3	61+67.03	CL	1118.83	1107.83	11.00	-
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## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
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EX SAS#15 PH 5 SAS#1	SAS#1 SAS#2	1088.29	1096.84	258	3.31%	8"	SDR-35	-
		1096.94	1104.71	357	2.18%	8"	SDR-35	-

SAS#1	SAS#3	1096.94	1107.83	262	4.16%	8"	SDR-35	-
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## 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

ACACIA RIDGE PHASE 6	SHEET NO.
PROJECT NO. 13530	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>HIGHLAND GATE WAY</b>							
S-1	58+60.00	RT-15.50	4X4 SAS	1106.87	1100.29	6.58	W/ R-3067-7004-V
S-4	59+50.00	RT-15.50	3X3 SAS	1108.46	1103.86	4.60	W/ R-3067-7004-V
S-4A	59+50.00	LT-15.50	H INLET	1109.02	1105.42	3.60	LP; W/ R-3067-7004-VB; (1)
S-5	60+68.29	RT-15.50	3X3 SAS	1115.20	1110.60	4.60	W/ R-3067-7004-V
<b>REDAN DRIVE</b>							
S-2	104+50.00	LT-17.50	3X3 SAS	1106.12	1101.52	4.60	W/ R-3067-7004-V
S-3	104+50.00	RT-17.50	3X3 SAS	1106.76	1102.16	4.60	W/ R-3067-7004-V
S-6	105+35.00	LT-17.50	4X4 SAS	1108.63	1102.83	5.80	W/ R-3067-7004-V
S-6A	105+35.00	RT-17.50	H INLET	1108.52	1104.92	3.60	W/ R-3067-7004-V
S-7	106+10.50	LT-23.50	4X4 SAS	1110.74	1104.94	5.80	W/ R-3067-7004-V
S-8	108+54.39	LT-23.50	4X4 SAS	1115.10	1108.57	6.53	W/ R-3067-7004-V
S-8A	108+72.90	LT-23.50	H INLET	1114.90	1111.20	3.70	W/ R-3067-7004-V
S-9	108+69.46	RT-23.50	4X4 SAS	1114.95	1109.07	5.88	W/ R-3067-7004-V
<b>STORM SEWER EASEMENT</b>							
S-10	10+50.00	CL	4X4 SAS	1117.77	1109.19	8.58	W/ R-1550
S-11	11+46.81	CL	4X4 SAS	1116.32	1109.66	6.66	W/ R-1550

## 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
P-1	EX#4 PH 4	S-1	1098.45	1100.29	86	82	2.24%	30"	TYPE I	-
P-4	S-3	S-4	1102.16	1103.86	39	35	4.86%	18"	TYPE II	
P-4A	S-4	S-4A	1104.36	1105.42	31	29	3.66%	12"	TYPE I	
P-5	S-4	S-5	1103.86	1110.60	118	115	5.86%	18"	TYPE II	
P-2	S-1	S-2	1101.29	1101.52	39	34	0.68%	18"	TYPE II	
P-3	S-2	S-3	1101.52	1102.16	35	34	1.88%	18"	TYPE I	
P-6	S-1	S-6	1100.29	1102.83	64	59	4.31%	30"	TYPE I	
P-6A	S-6	S-6A	1104.33	1104.92	35	32	1.84%	12"	TYPE I	
P-7	S-6	S-7	1102.83	1104.94	76	72	2.93%	30"	TYPE II	
P-8	S-7	S-8	1104.94	1108.57	244	240	1.51%	30"	TYPE II	
P-8A	S-8	S-8A	1110.07	1111.20	19	15	7.53%	12"	TYPE II	
P-9	S-8	S-9	1108.57	1109.07	49	45	1.11%	30"	TYPE I	
P-10	S-9	S-10	1109.07	1109.19	28	24	0.50%	30"	TYPE II	
P-11	S-10	S-11	1109.19	1109.66	97	93	0.51%	30"	TYPE II	

## SPECIFIC NOTES:

(1) INSTALL LOW POINT PVC DRAIN; SEE S.D.D.5.7.7A

## 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.

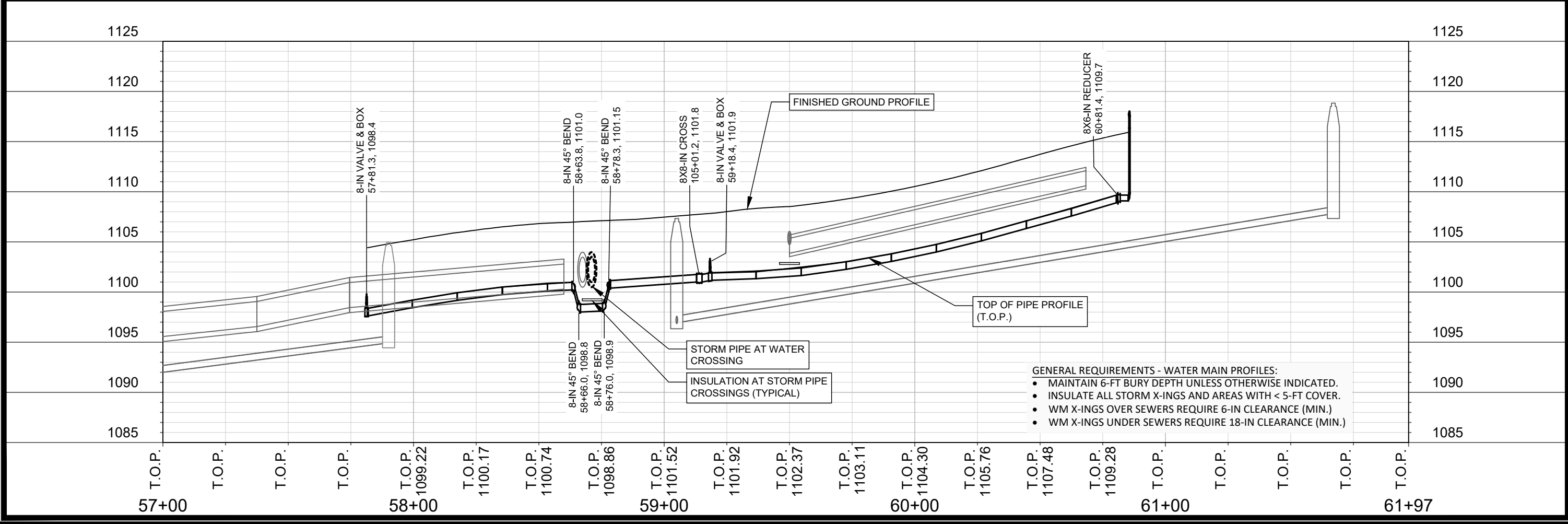
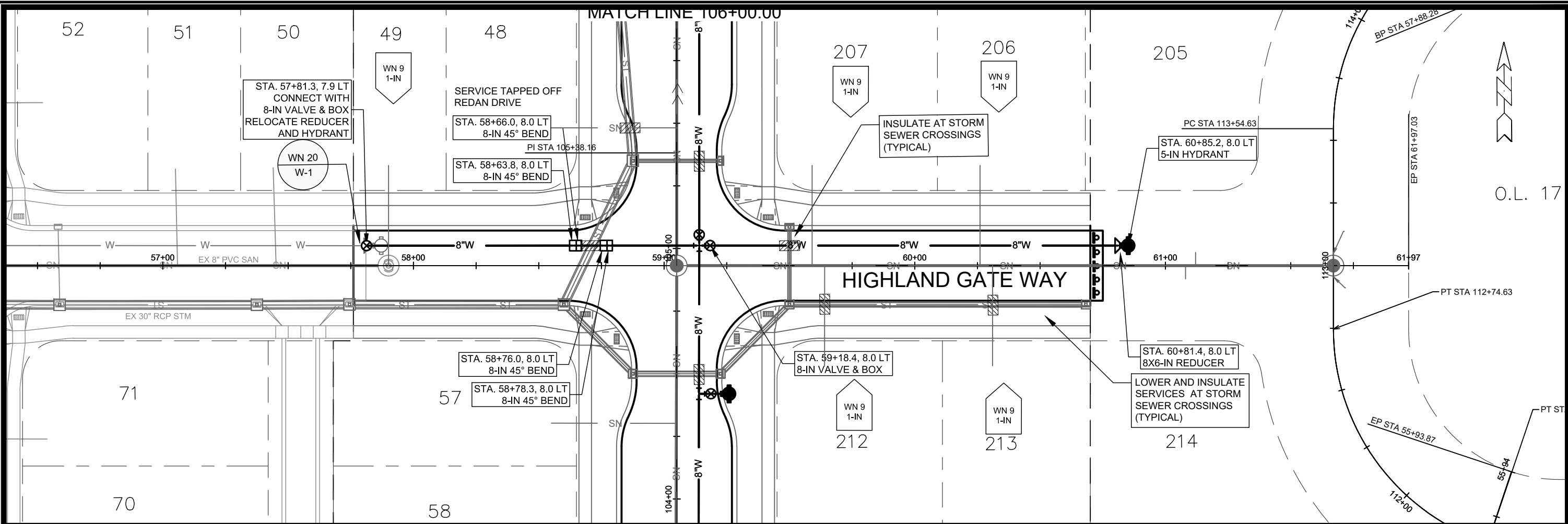
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's. -FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

- 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.

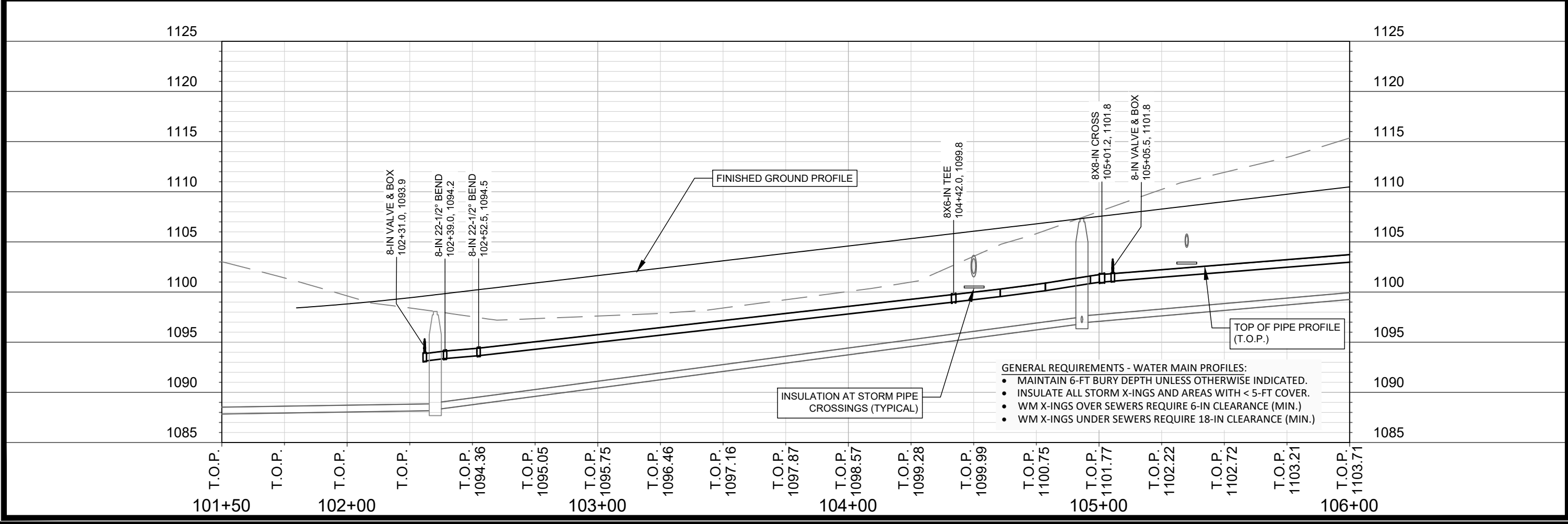
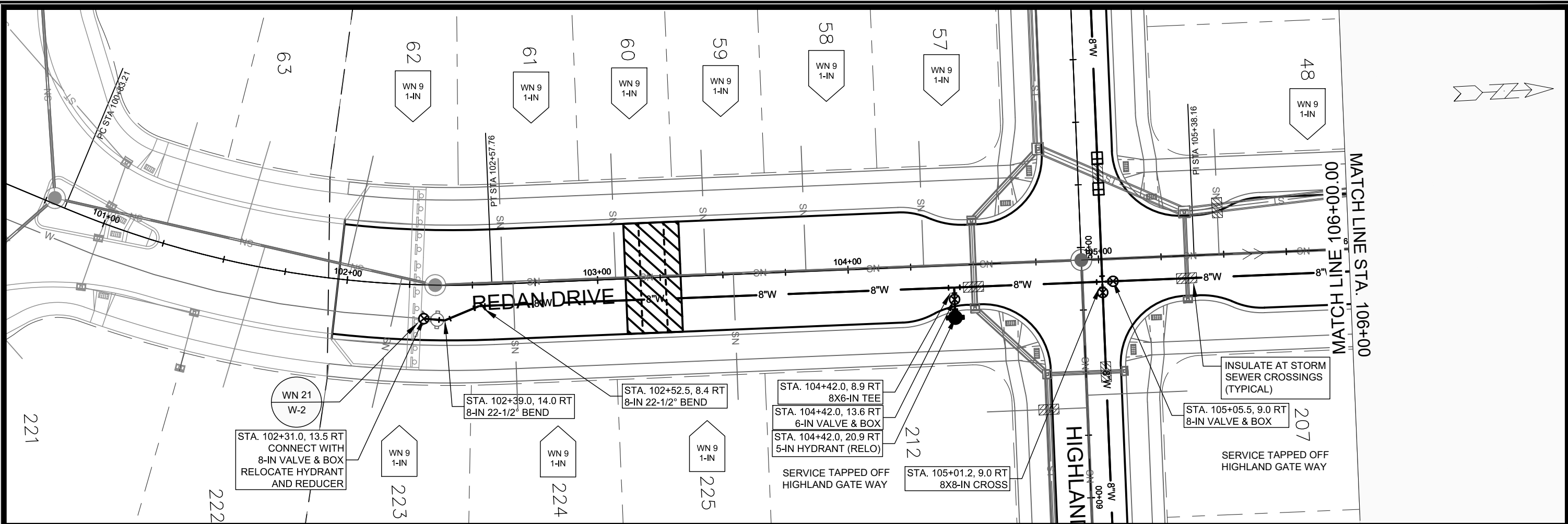


SCALE: 1" = 40'  
 DESIGNED BY: ARW/TDP  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 8/18/21

ACACIA RIDGE PHASE 6  
 PLAN & PROFILE HIGHLAND GATE WAY  
 CITY OF MADISON, WISCONSIN

CONTRACT NO: 9040

13530  
 W-1



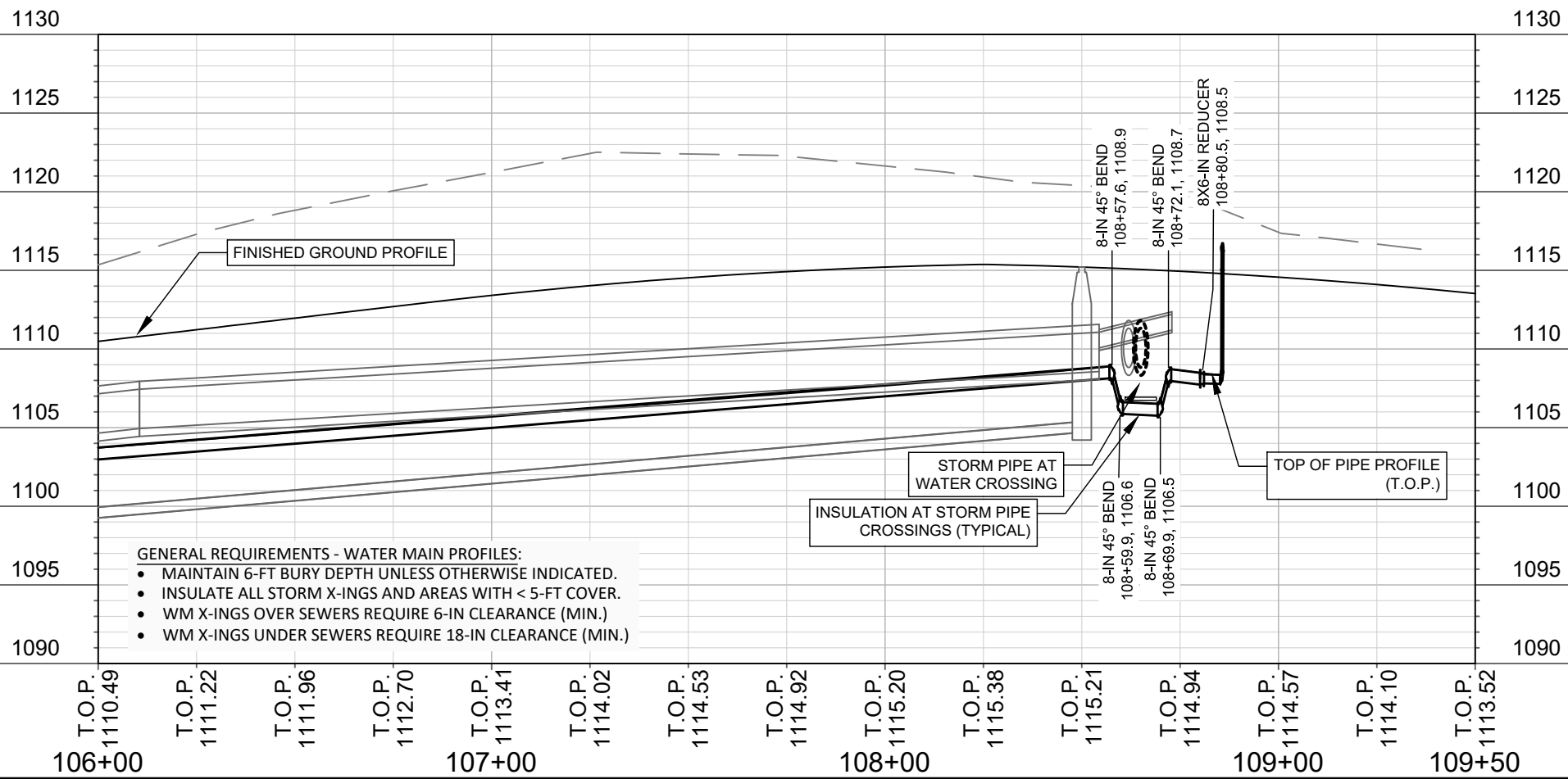
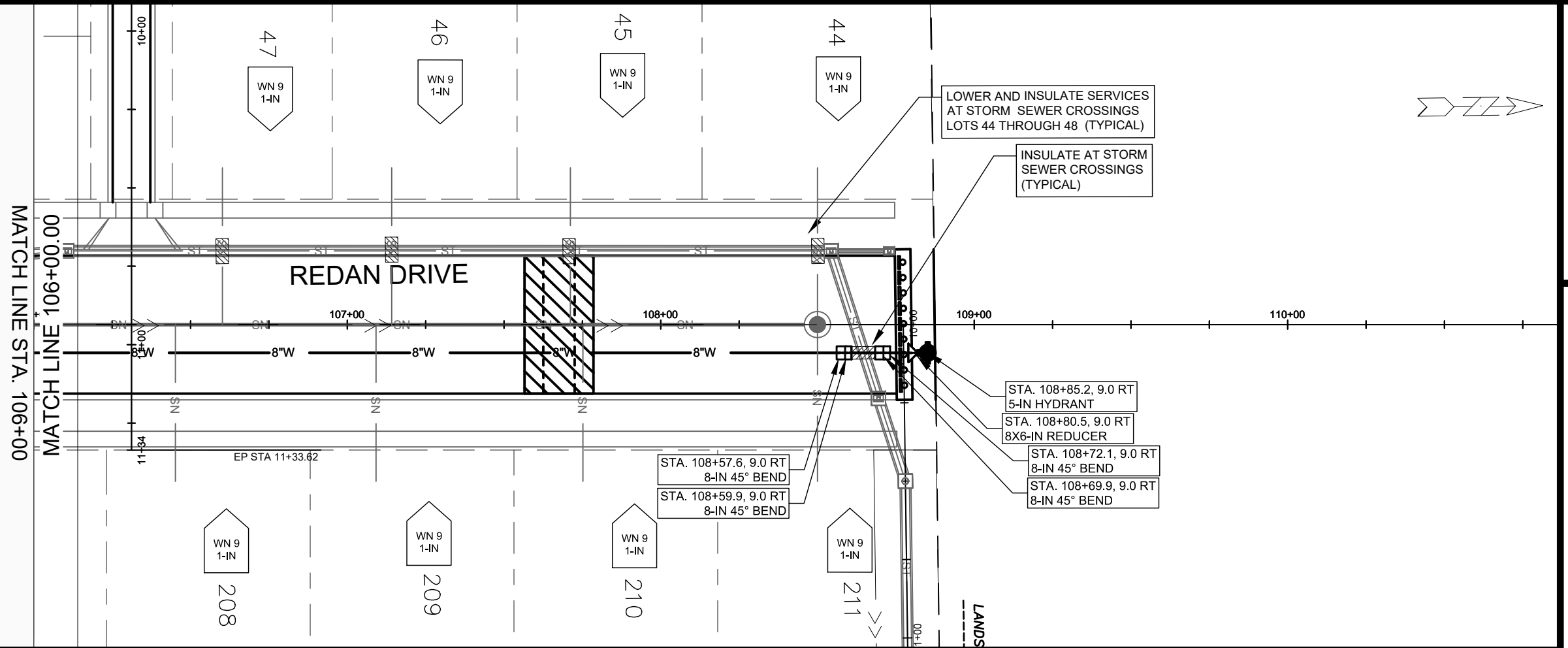
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 119 E OLIN AVE, MADISON, WI 53713  
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CONTRACT NO: 9040

ACACIA RIDGE PHASE 6  
 PLAN & PROFILE REDAN DRIVE  
 CITY OF MADISON, WISCONSIN



13530  
 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.)

SCALE: 1" = 40'  
 DESIGNED BY: ARW/TDP  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 8/18/21

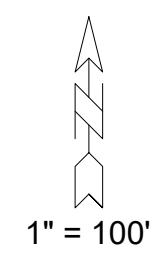
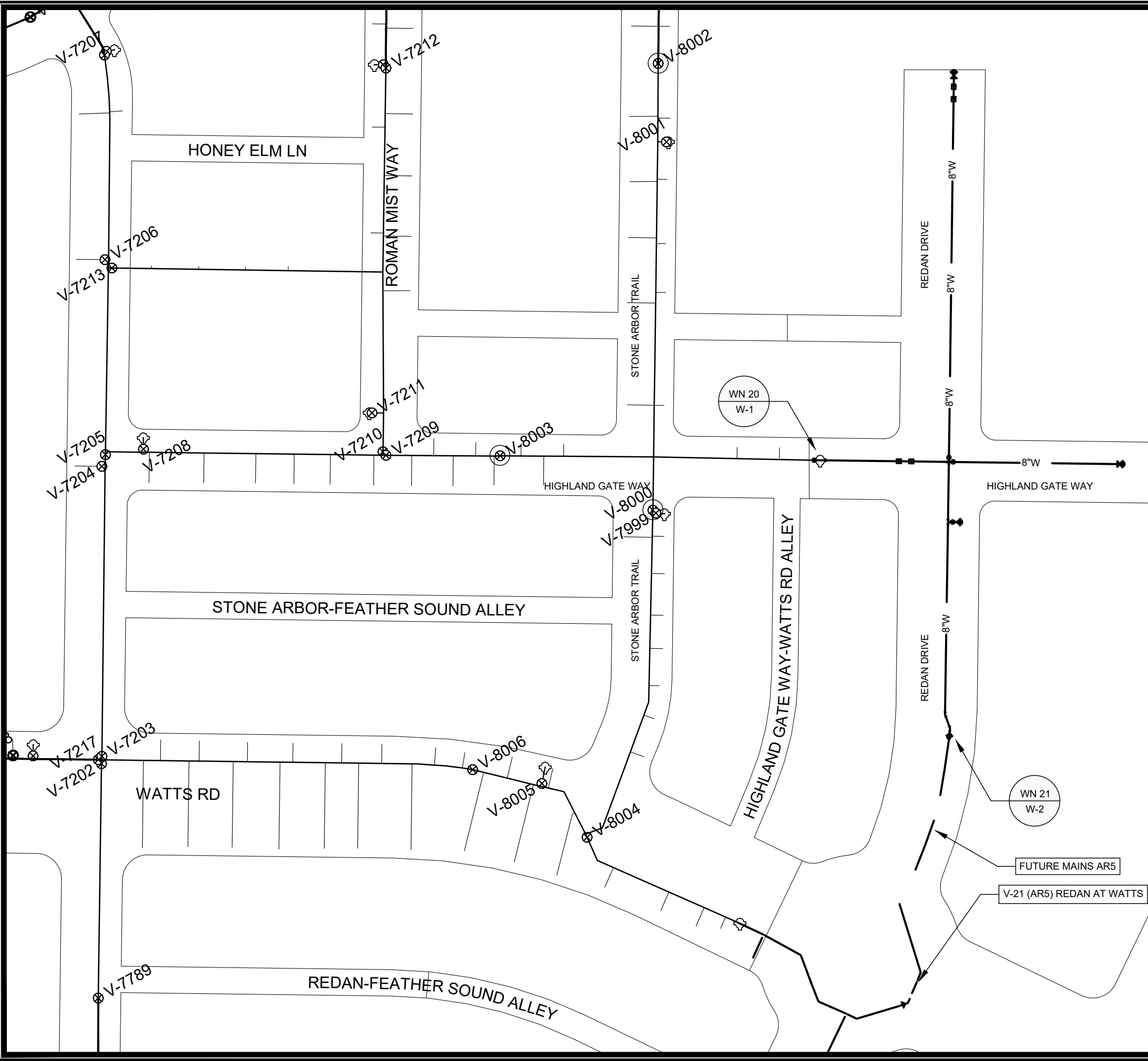
CONTRACT NO: 9040

ACACIA RIDGE PHASE 6  
 PLAN & PROFILE REDAN DRIVE  
 CITY OF MADISON, WISCONSIN



13530  
 W-3





WN20 W-1 CONNECT TO EX. 8IN AT HIGHLAND GATE WAY  
 ISOLATING VALVES: V-8000, V-8002, AND V-8003  
 NOTIFY: 9310-9330 HIGHLAND GATE WAY AND 525-544 STONE ARBOR TRAIL

WN21 W-2 CONNECT TO EX. 8IN AT REDAN DRIVE  
 ISOLATING VALVES: V-21 (AR5) AT REDAN & WATTS EAST OF ROUNDABOUT  
 NOTIFY: 531, 532, 533, AND 534 REDAN DRIVE

SCALE: 1" = 100'  
 DESIGNED BY: ARW/TDP  
 MADISON WATER UTILITY  
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ACACIA RIDGE PHASE 6  
 WATER IMPACT PLAN HIGHLAND GATE WAY & REDAN DRIVE  
 CITY OF MADISON, WISCONSIN  
 CONTRACT NO: 9040



13530  
 W-4

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.



**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

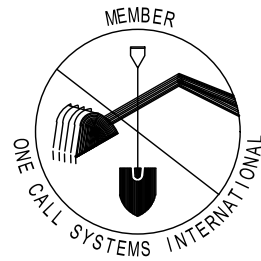
*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:			
PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	20	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	1050	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	1	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	4	EACH
70040	FURNISH INSTALL AND SALVAGE HYDRANT	1	EACH
70050	FURNISH AND INSTALL 1-INCH SERVICE LATERALS	23	EACH
70101	FURNISH AND INSTALL STYROFOAM	88	LNFT
71041	8X8-IN CROSS	1	EACH
71123	8-IN 45° BEND	8	EACH
71135	8-IN 22-1/2° BEND	2	EACH
71210	8X6-IN TEE	1	EACH
*ESTIMATE OF MATERIALS SALVAGED:			
71159	8X6-IN REDUCER (RELO)	2	EACH
70041	HYDRANT (RELO)	2	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.

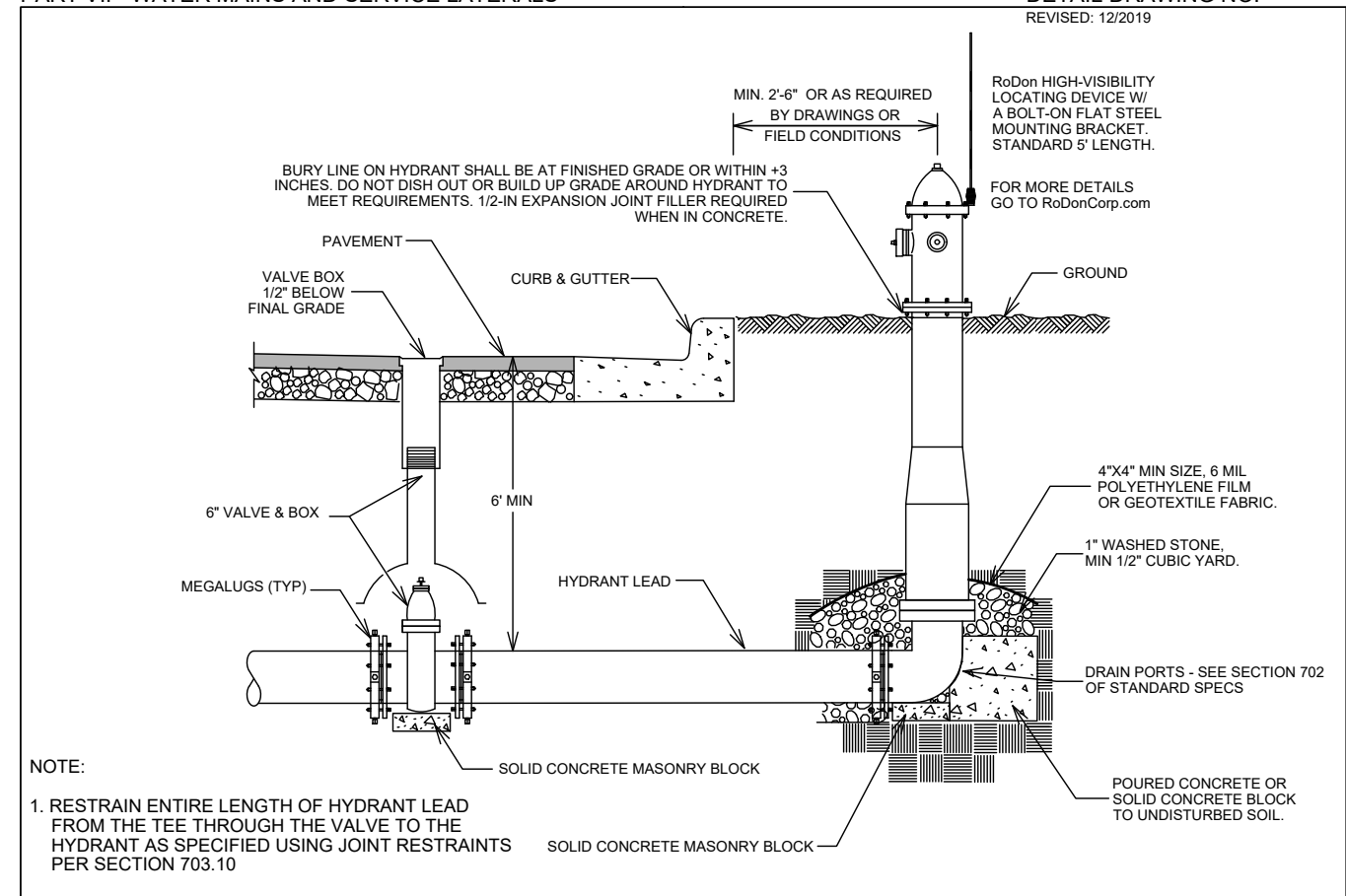


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

**PART VII - WATER MAINS AND SERVICE LATERALS**

**DETAIL DRAWING NO. 7.04**

REVISED: 12/2019



**NOTE:**

1. RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

SCALE: N/A

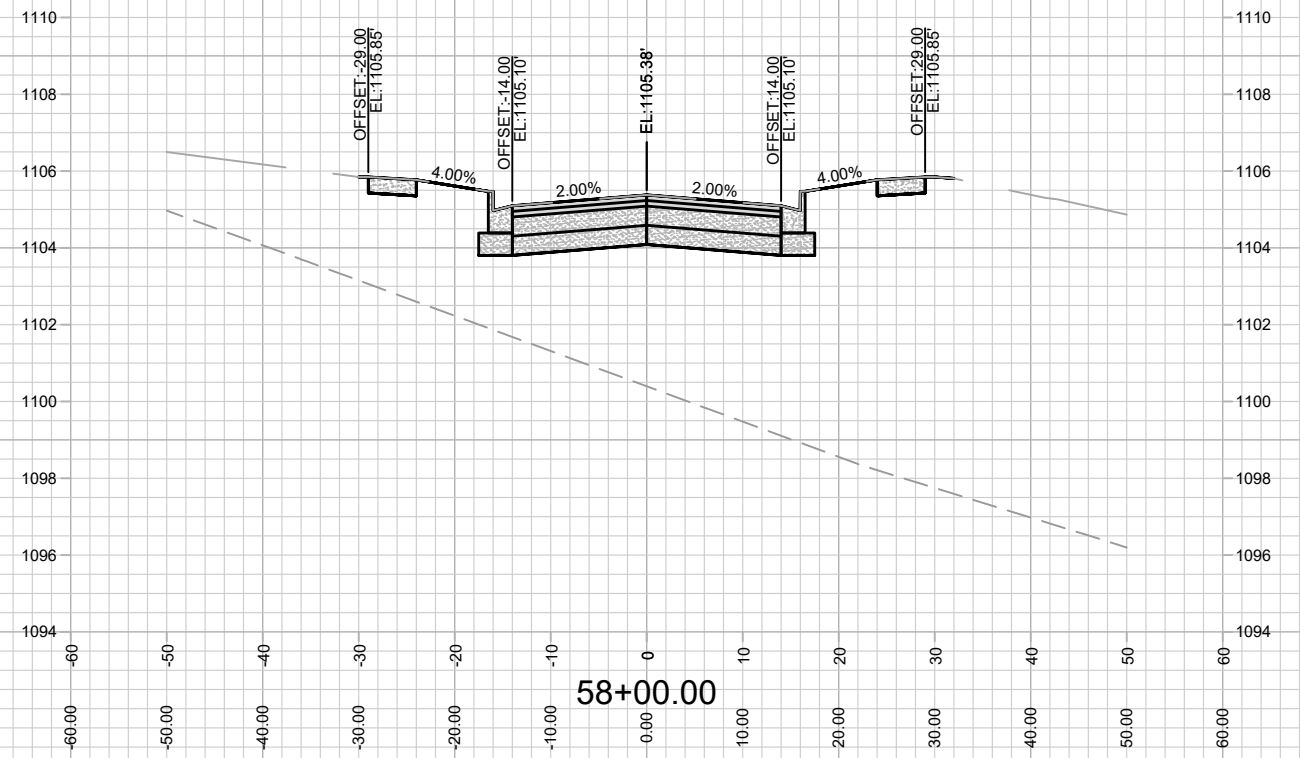
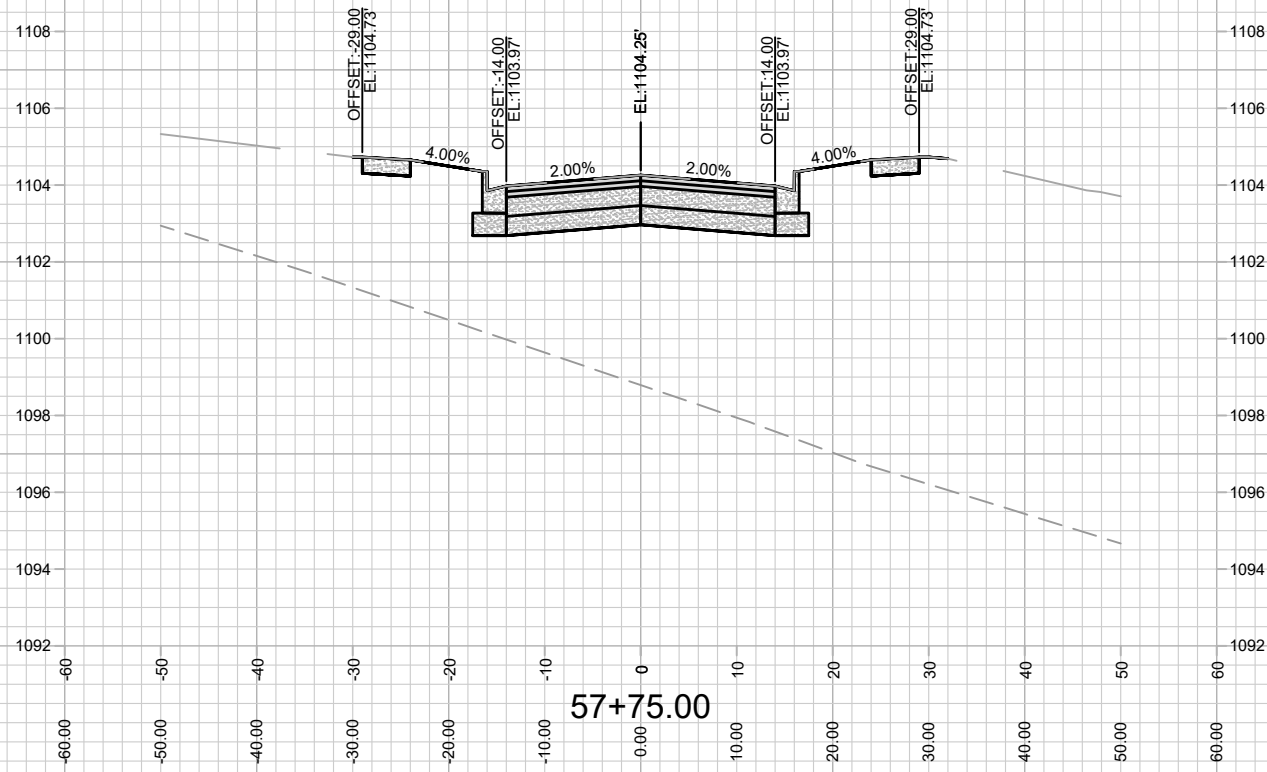
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MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 8/17/21

CONTRACT NO: 9040

ACACIA RIDGE PHASE 6  
WATER ESTIMATE OF MATERIALS  
CITY OF MADISON, WISCONSIN



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W-5



13530

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CROSS SECTION - HIGHLAND GATE WAY

ACACIA RIDGE PHASE 6

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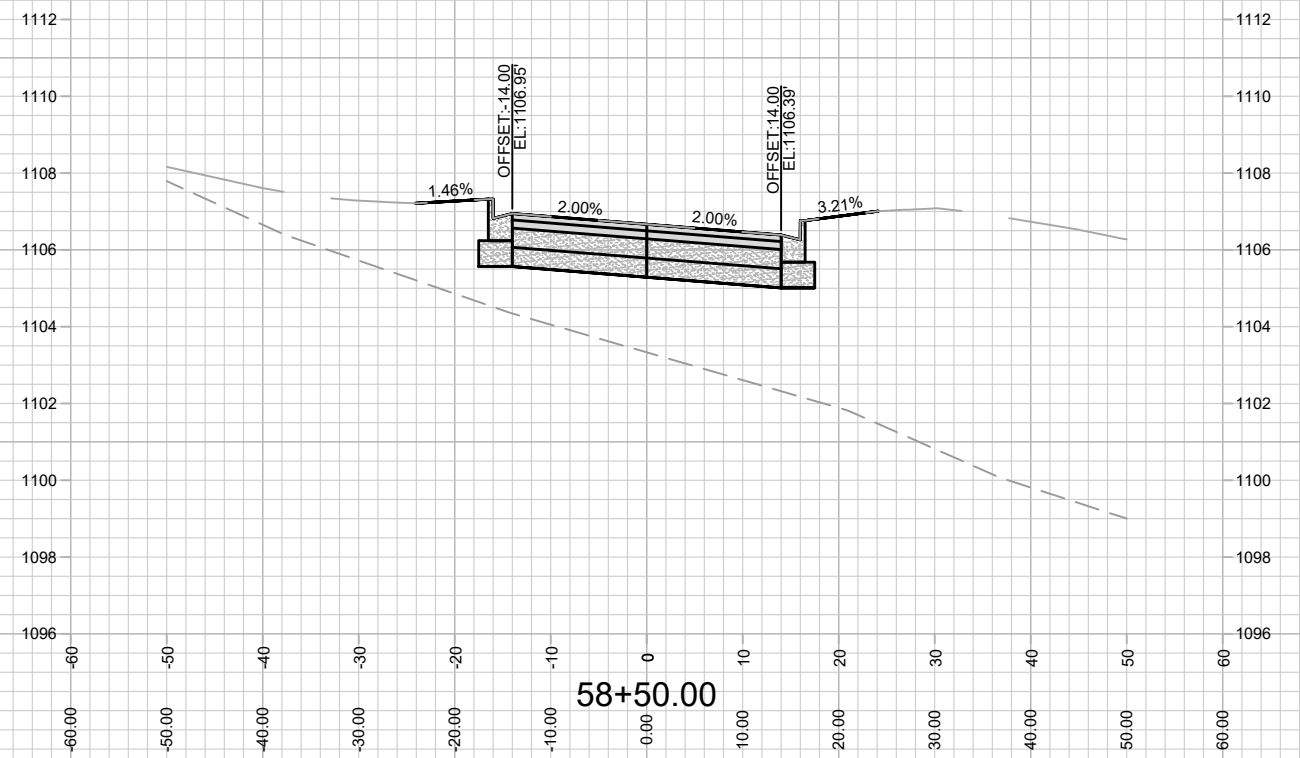
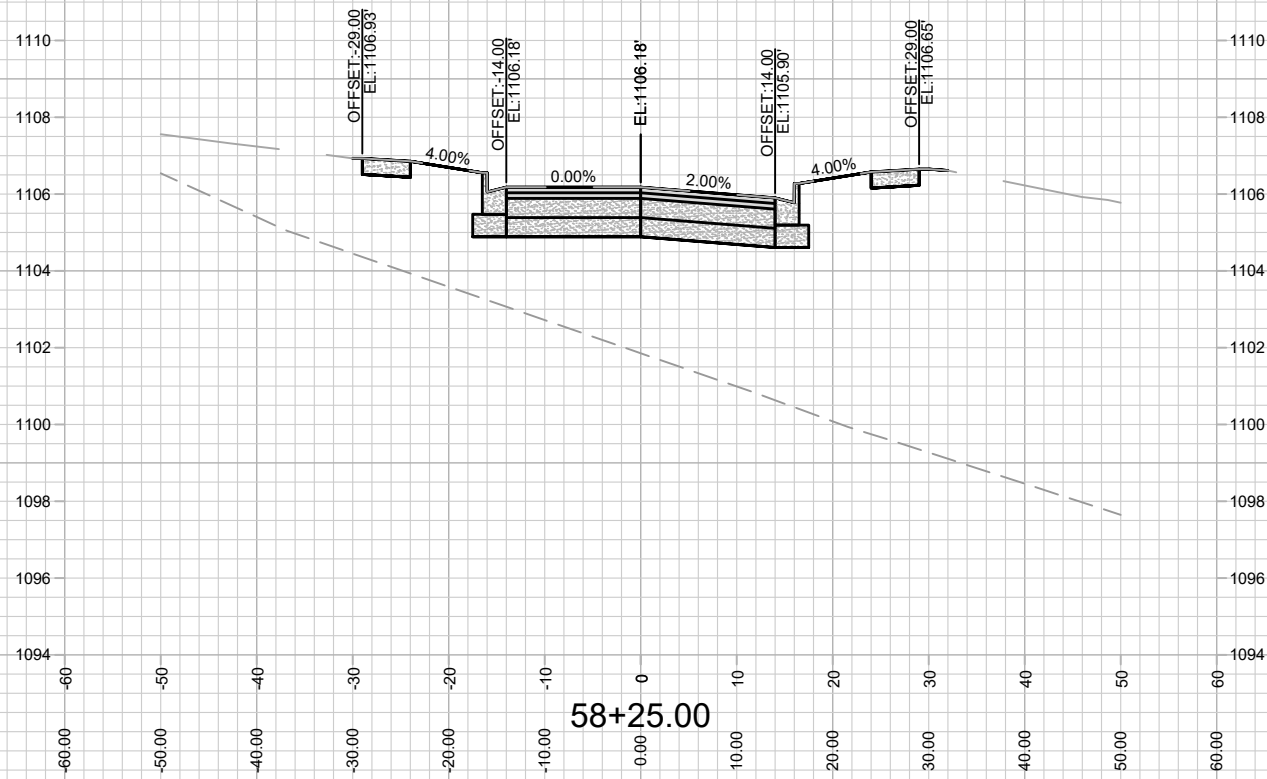
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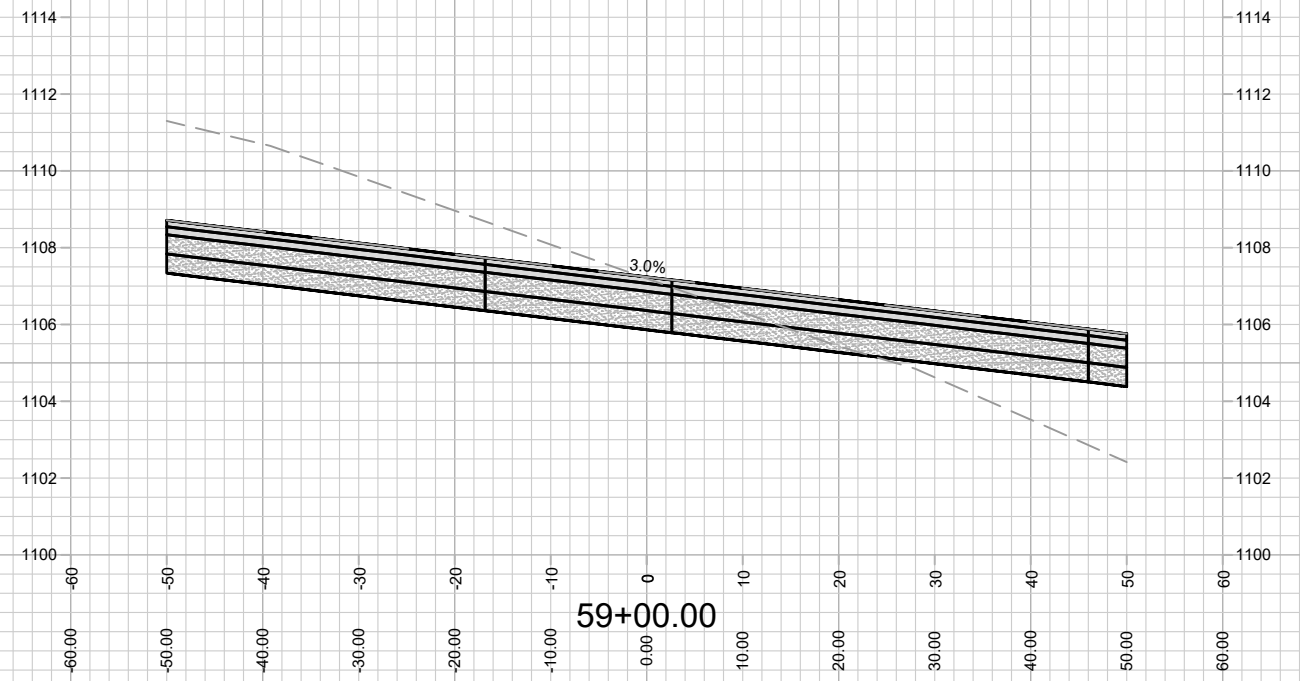
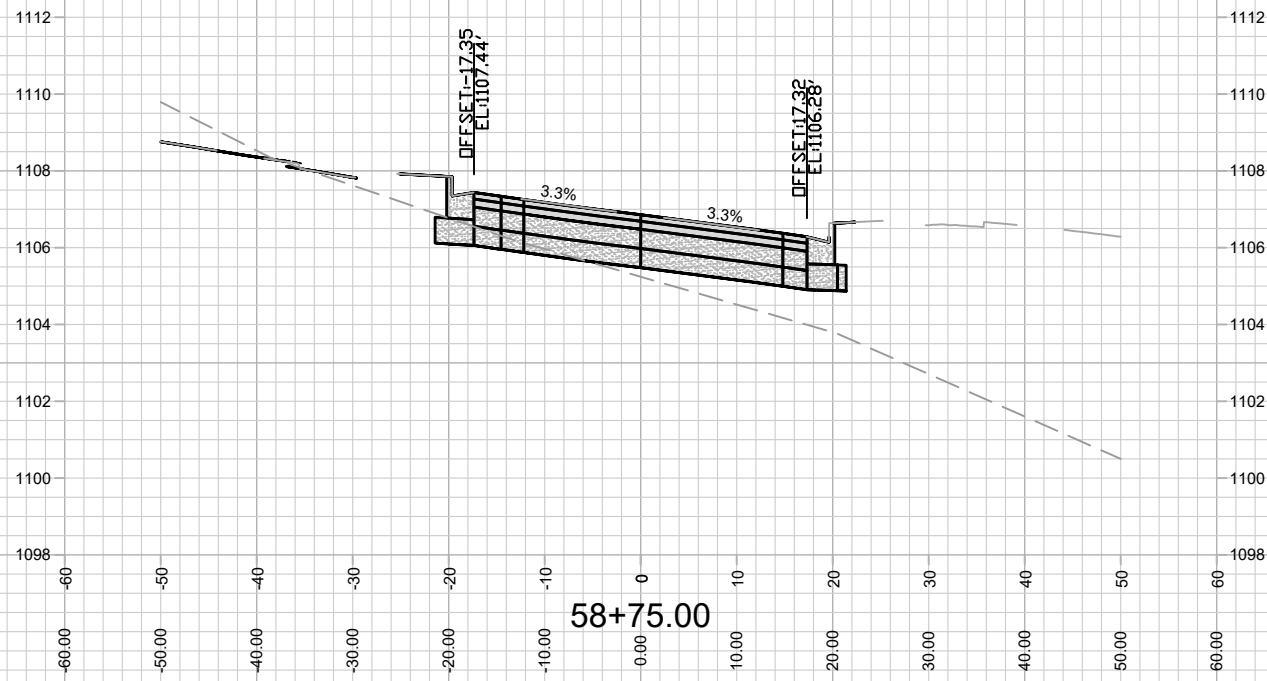
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CROSS SECTION - HIGHLAND GATE WAY  
ACACIA RIDGE PHASE 6

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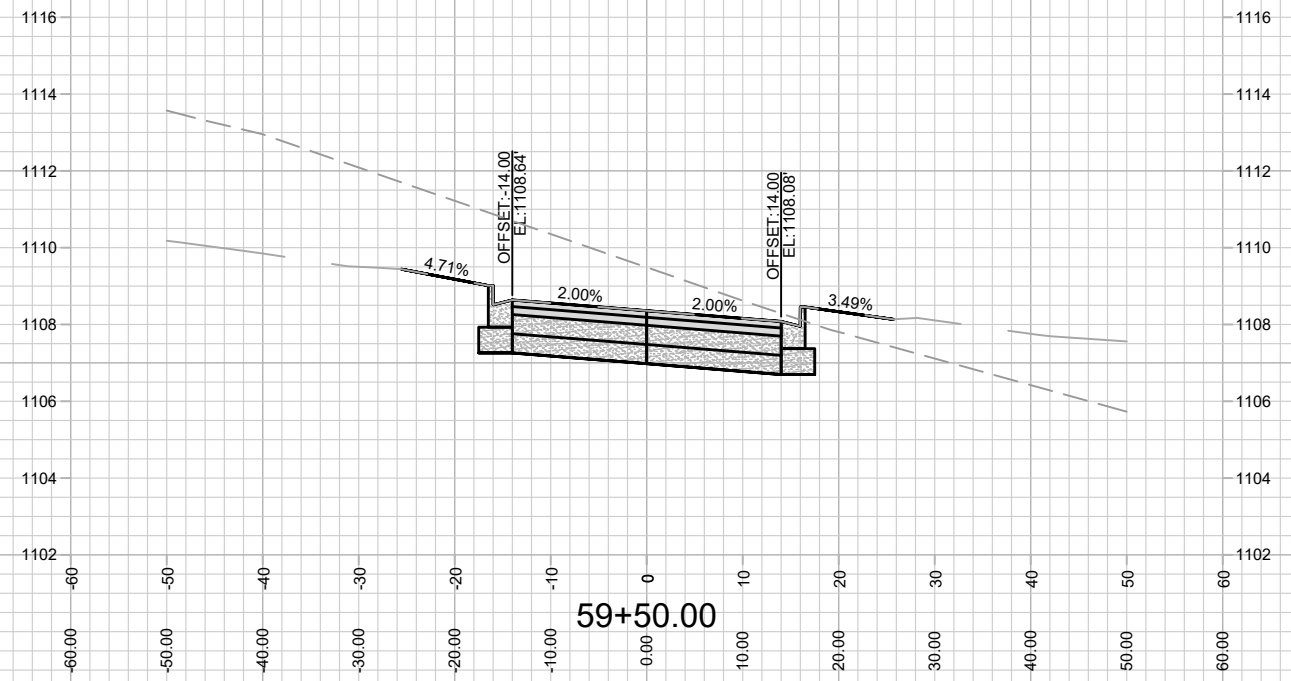
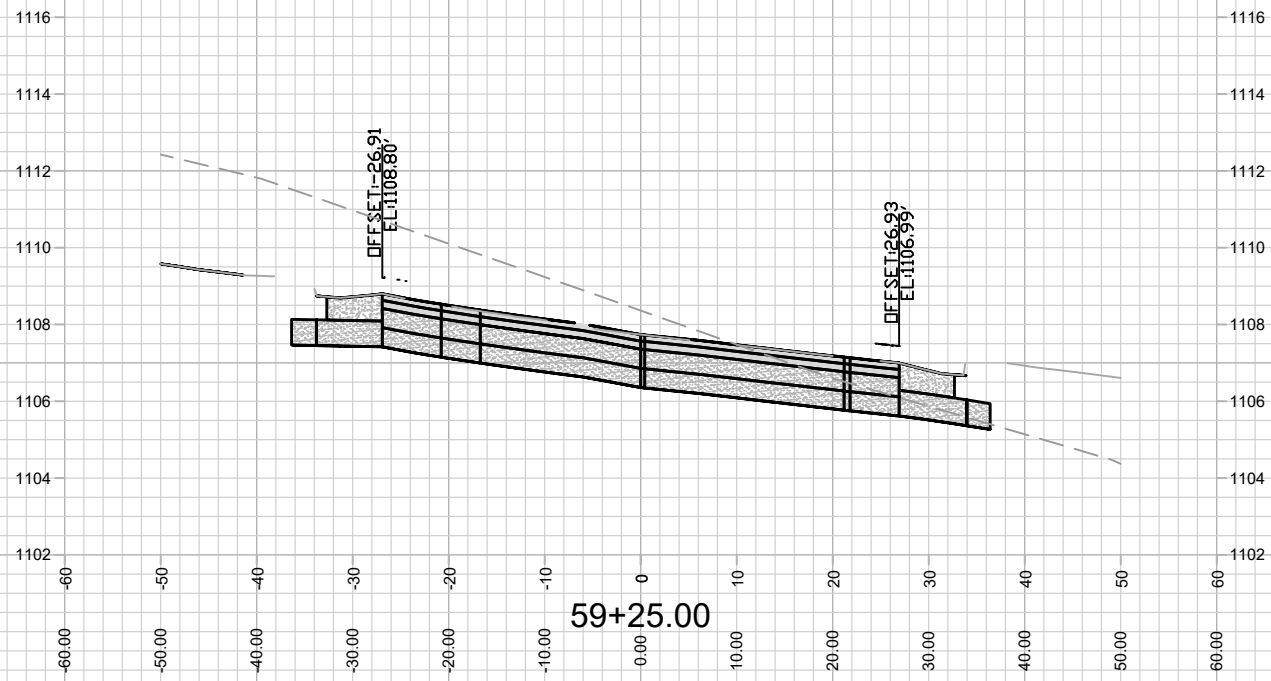
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CROSS SECTION - HIGHLAND GATE WAY

ACACIA RIDGE PHASE 6

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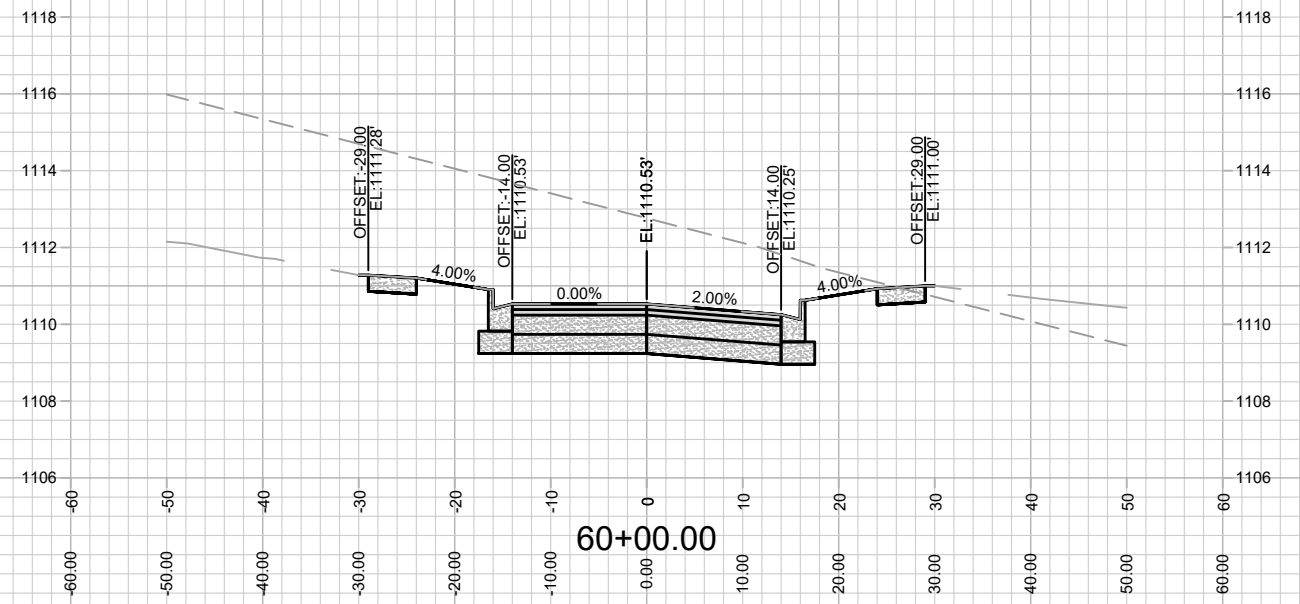
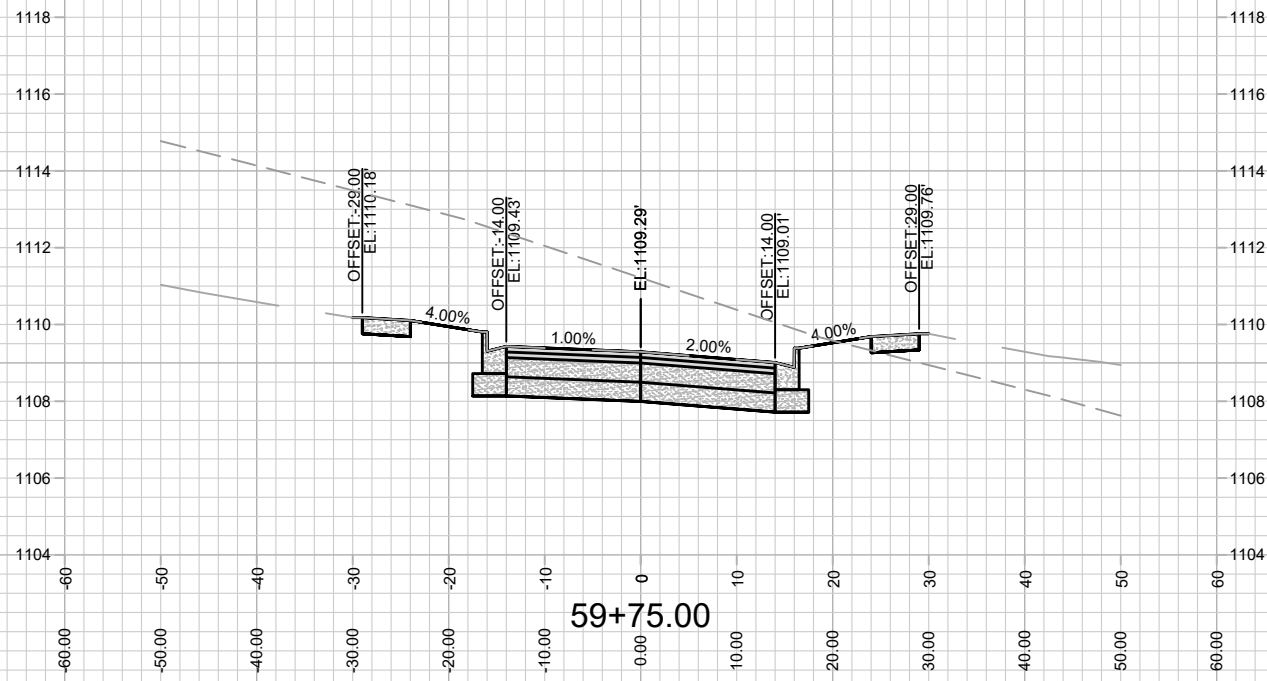
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MADISON, WI

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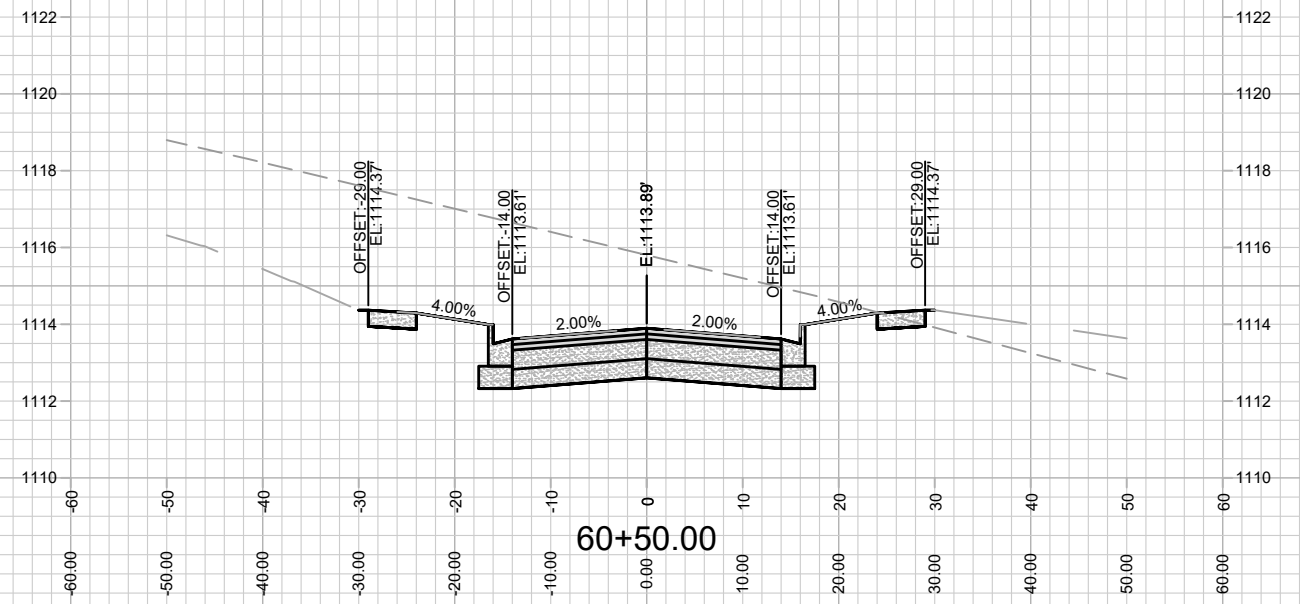
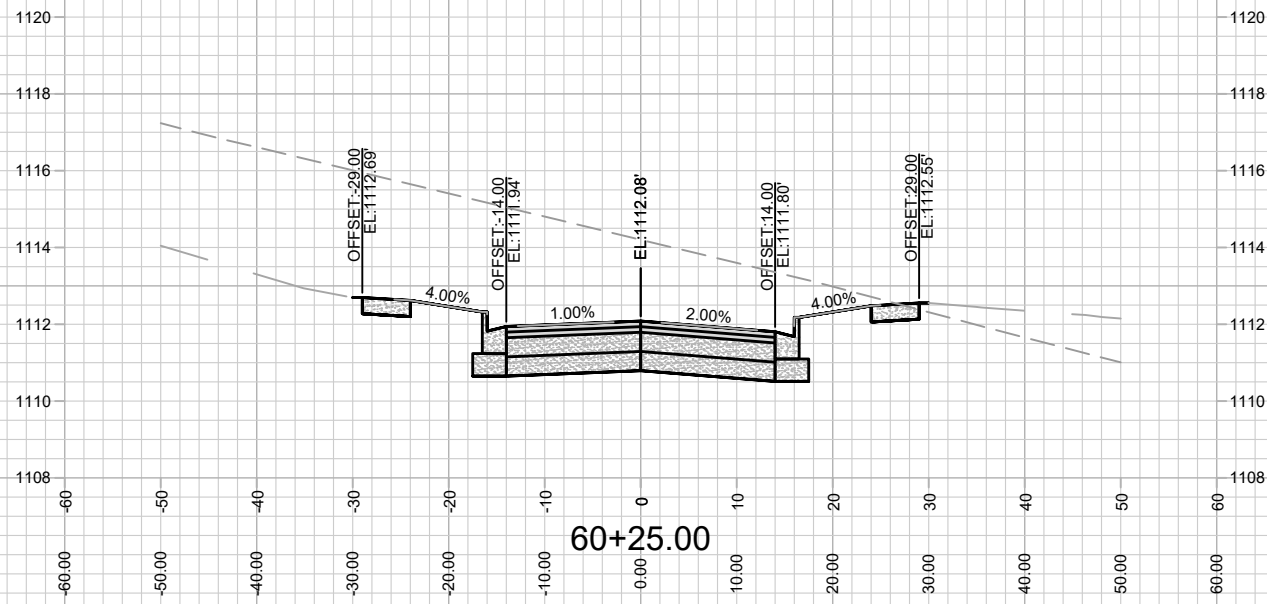
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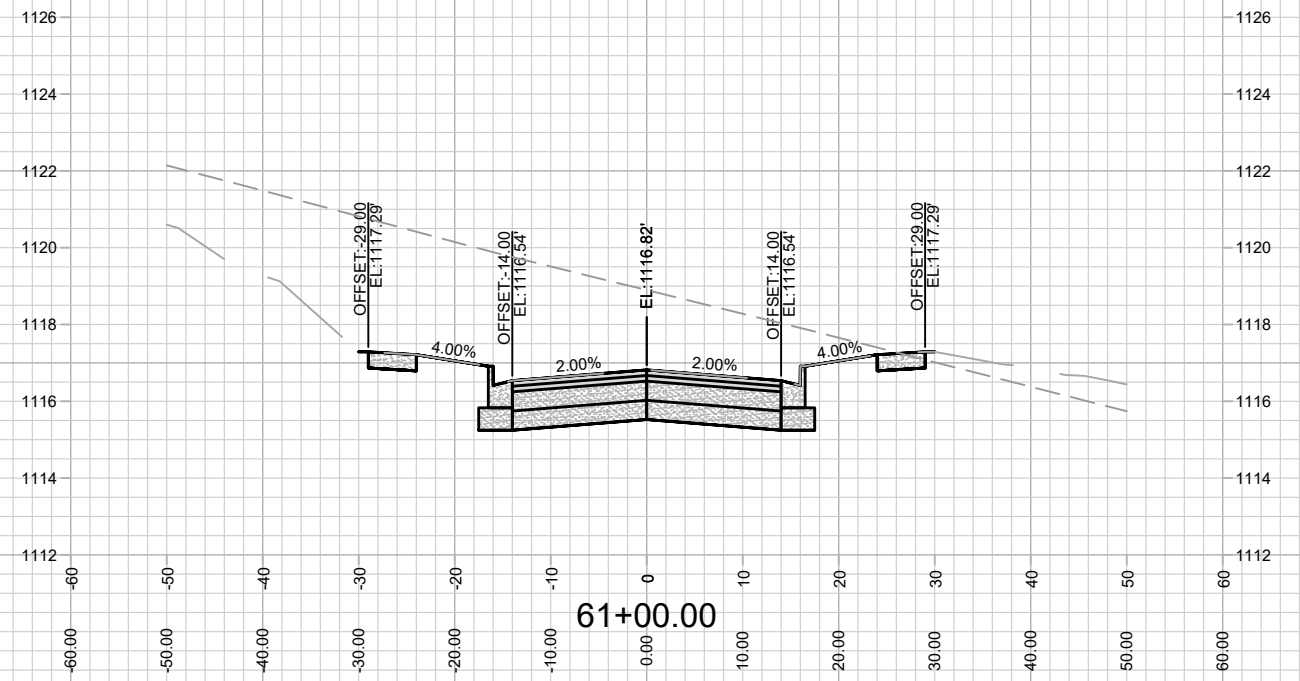
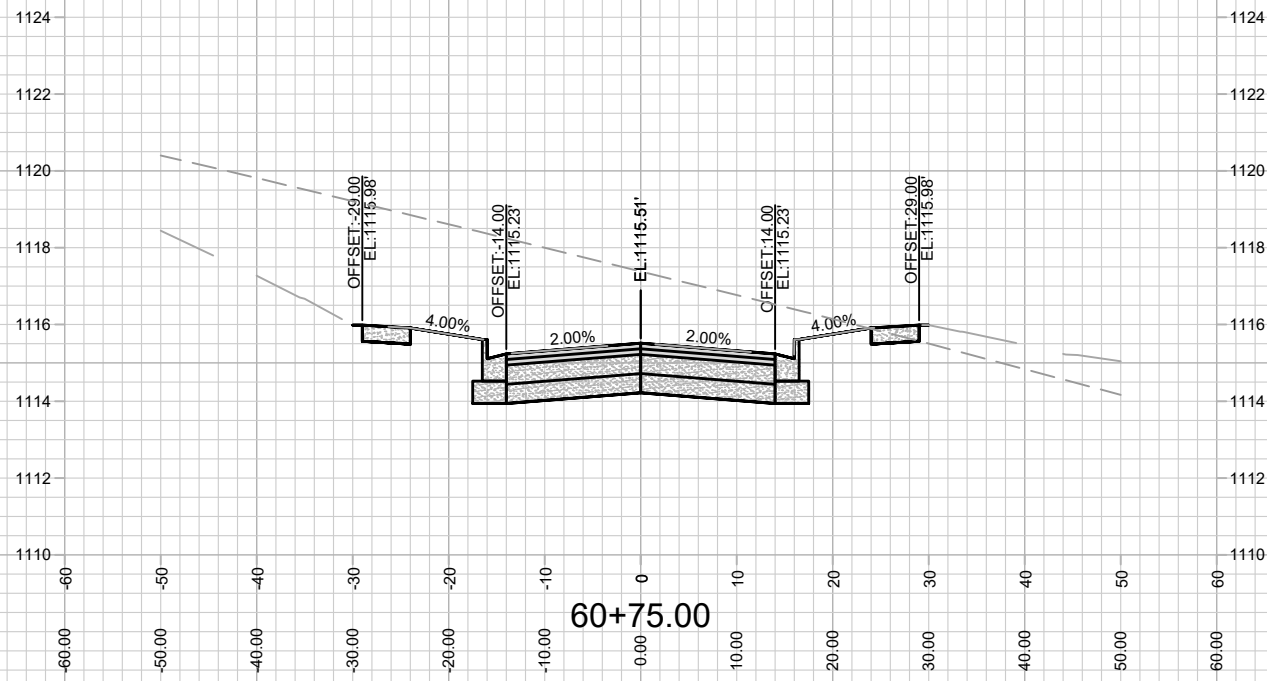
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ACACIA RIDGE PHASE 6

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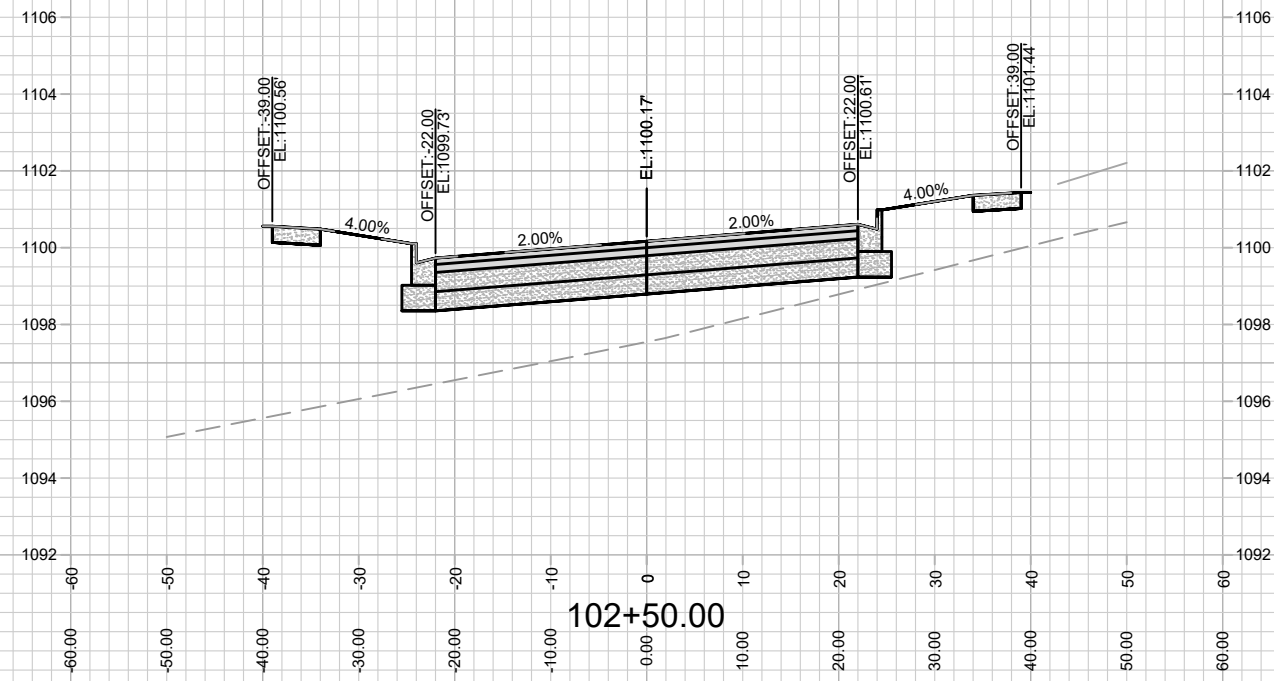
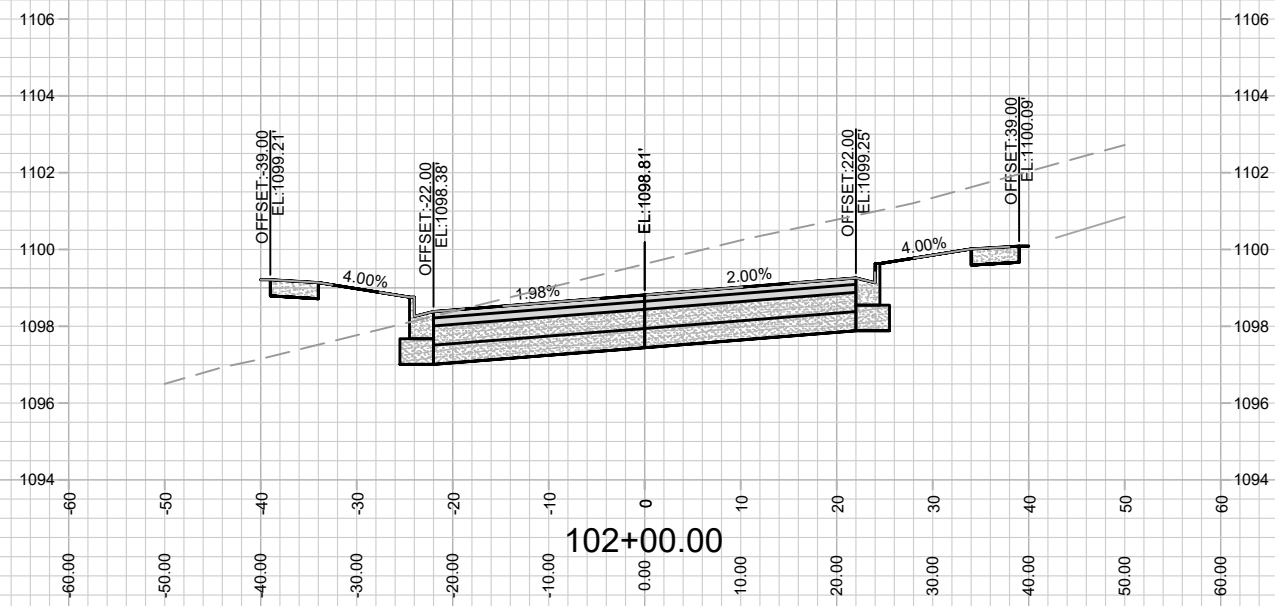
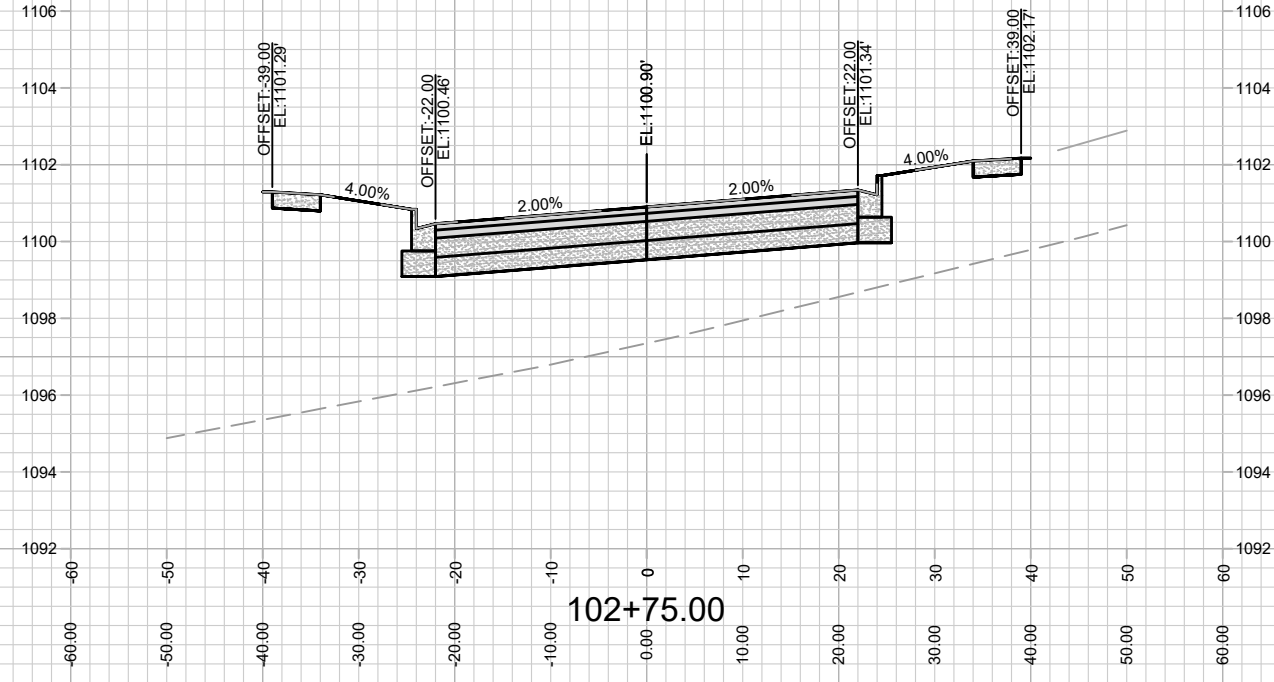
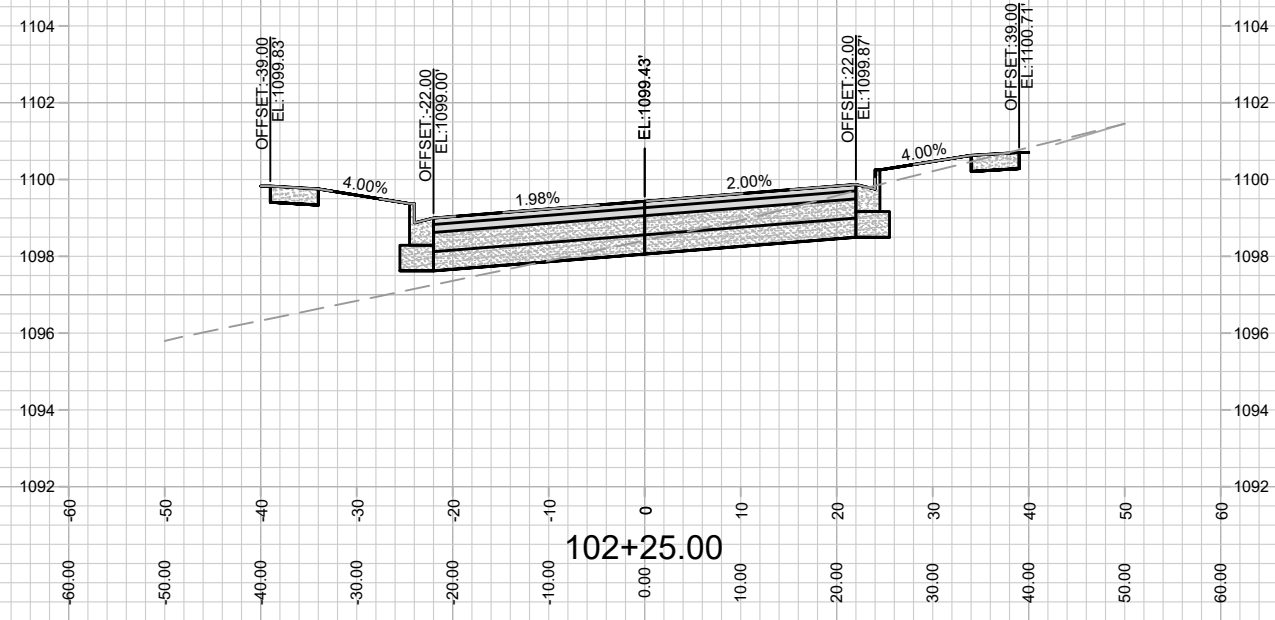
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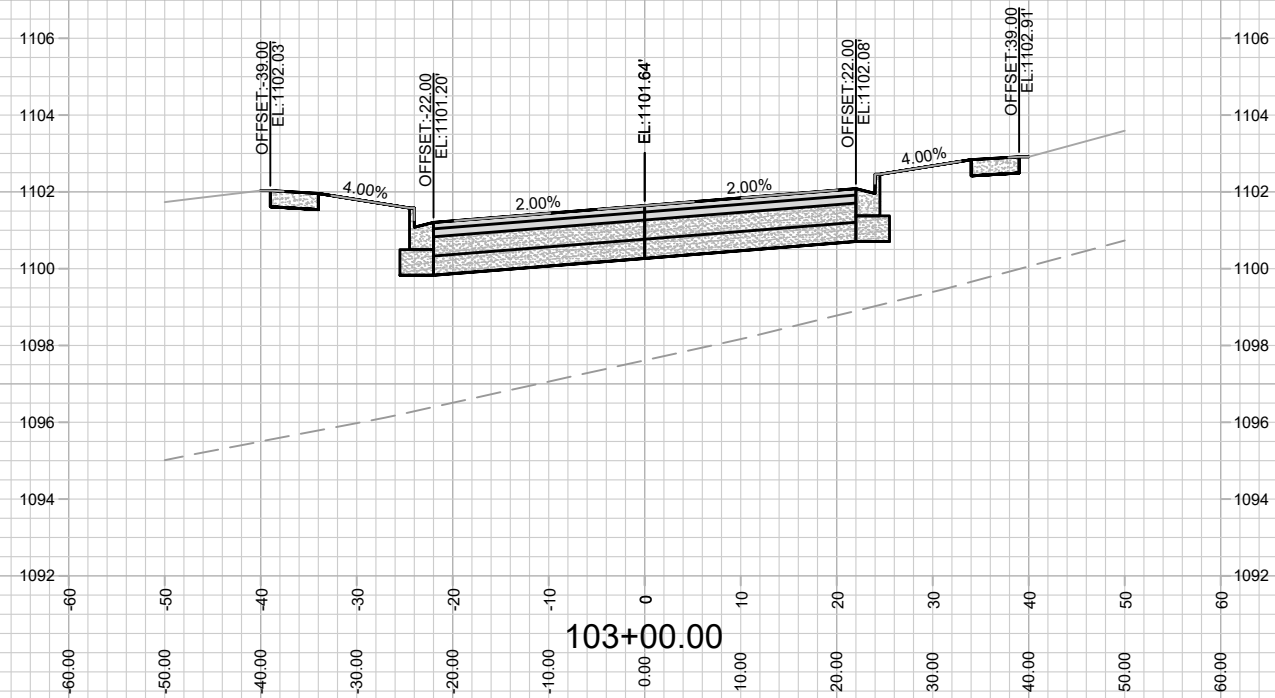
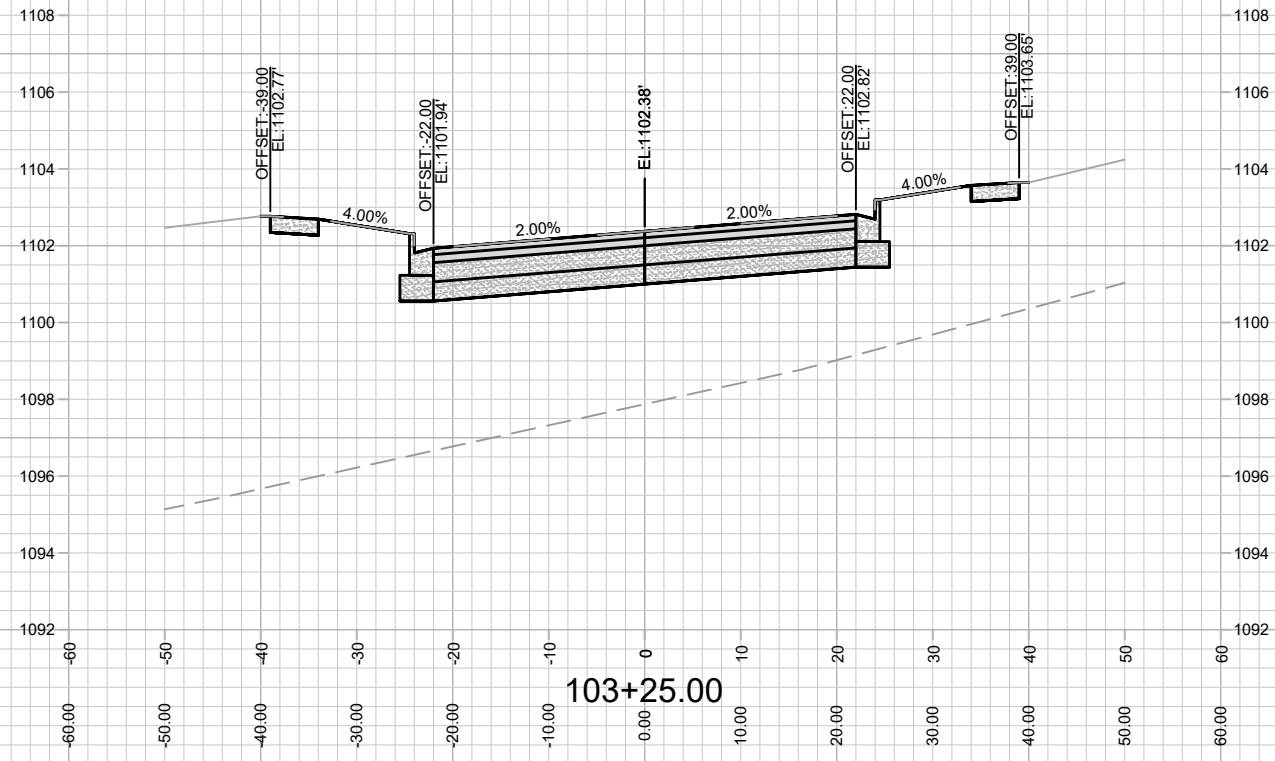
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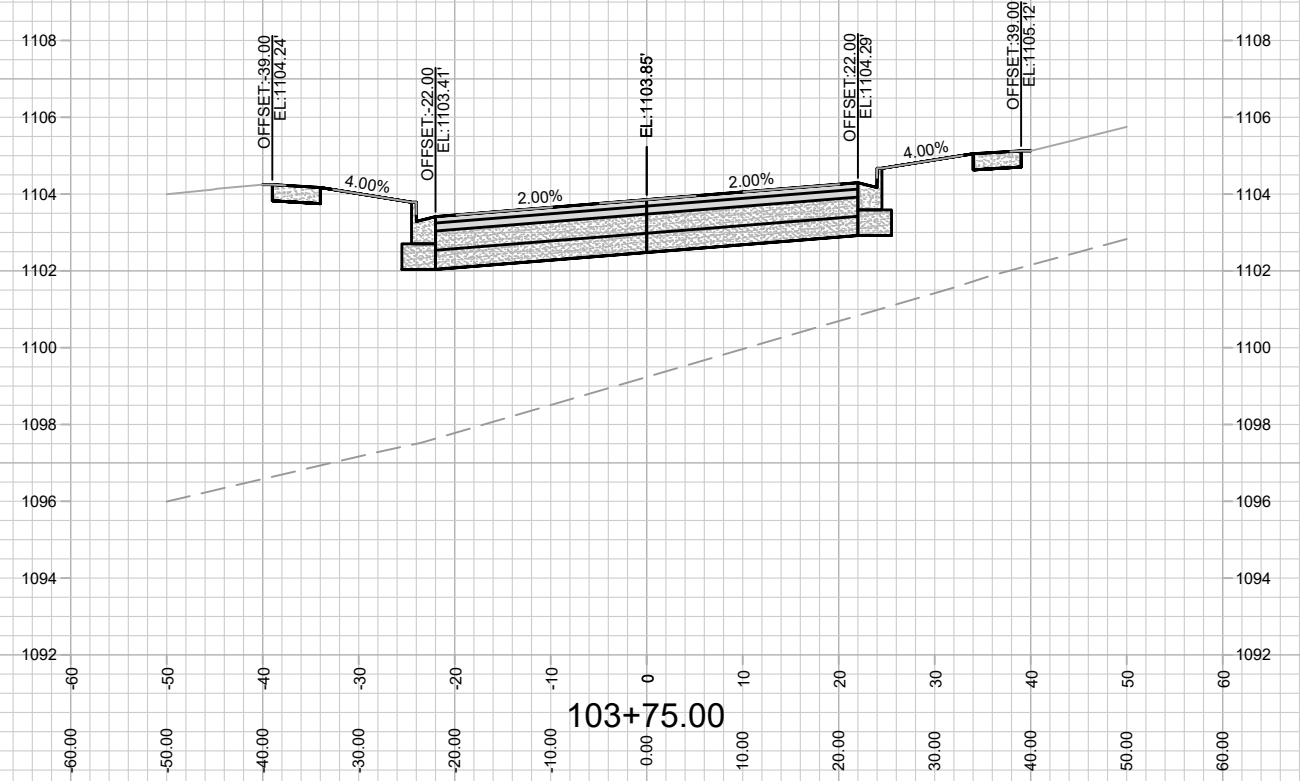
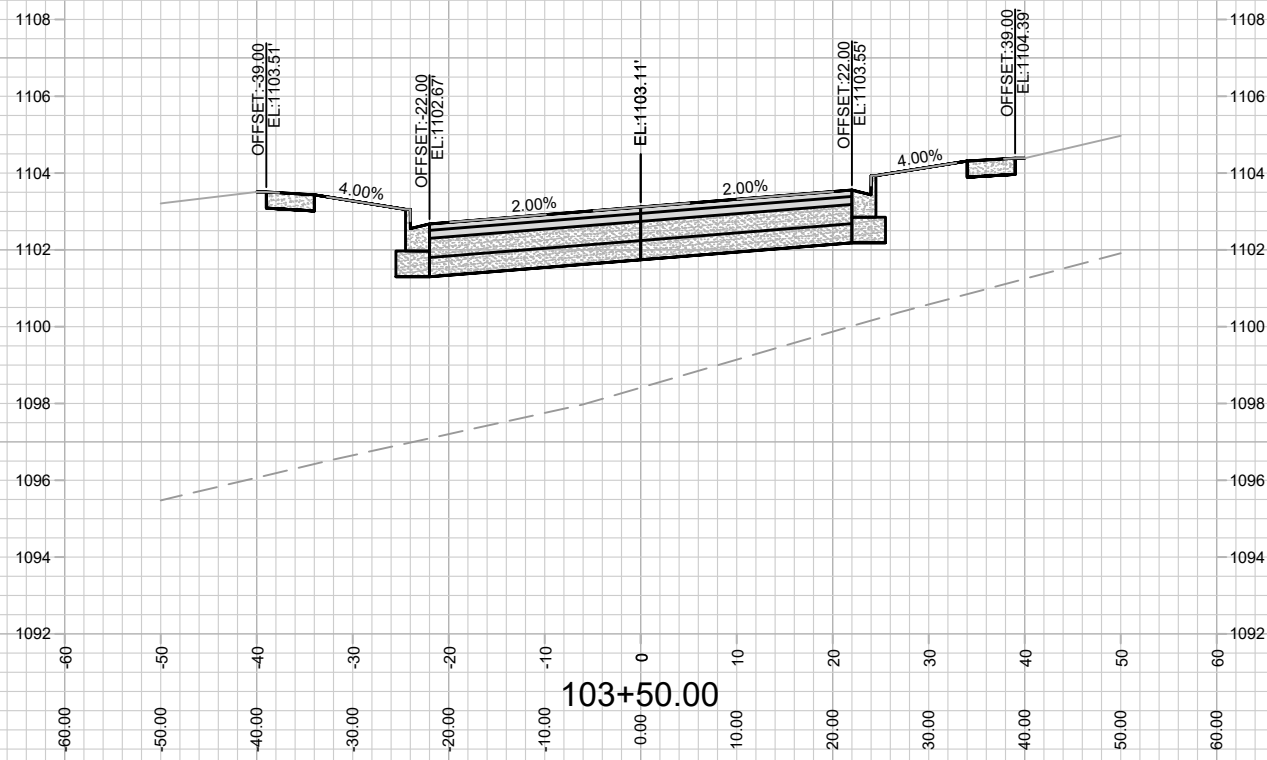
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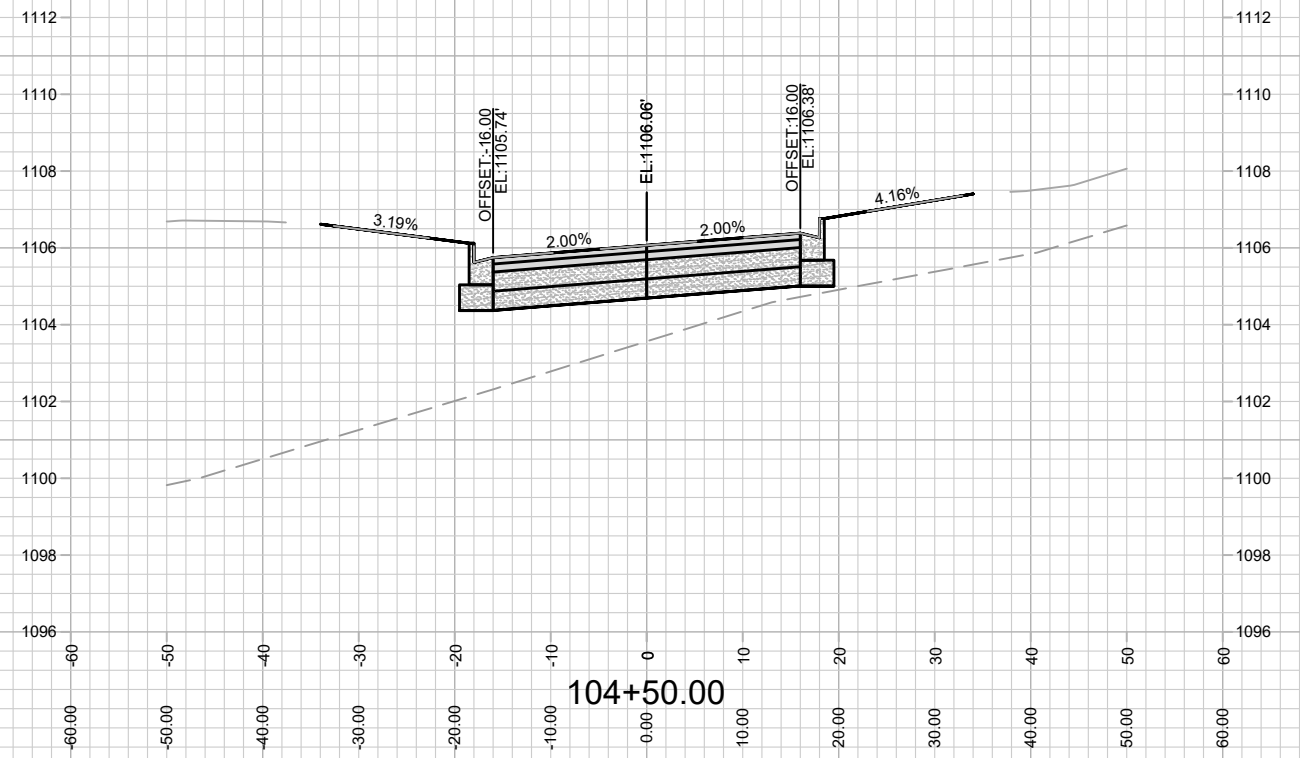
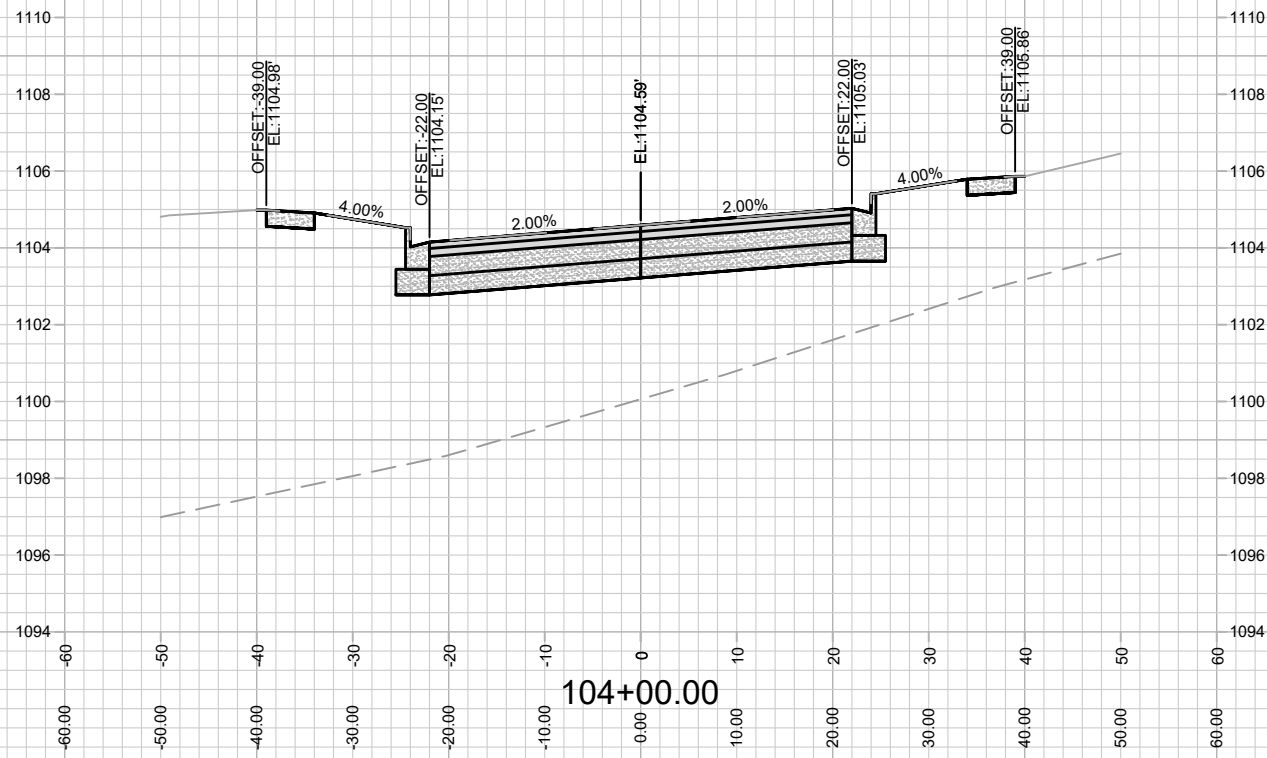
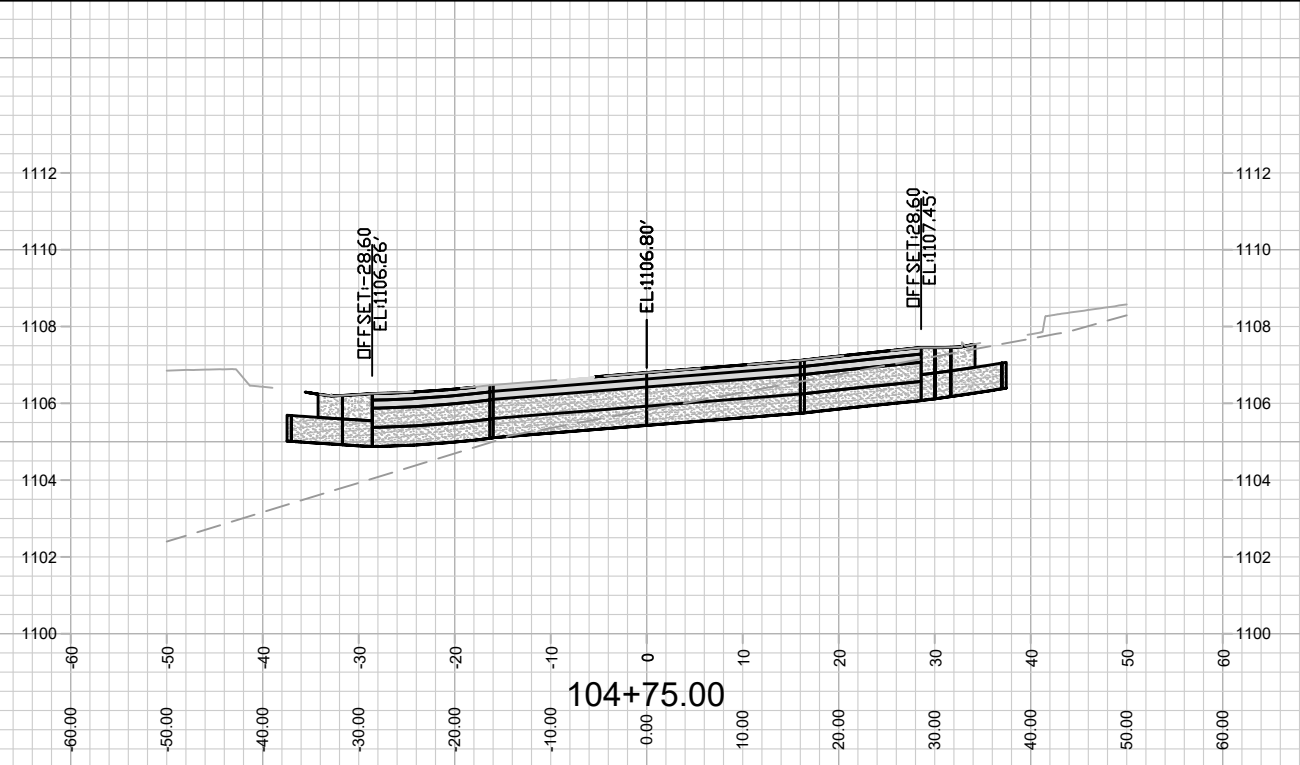
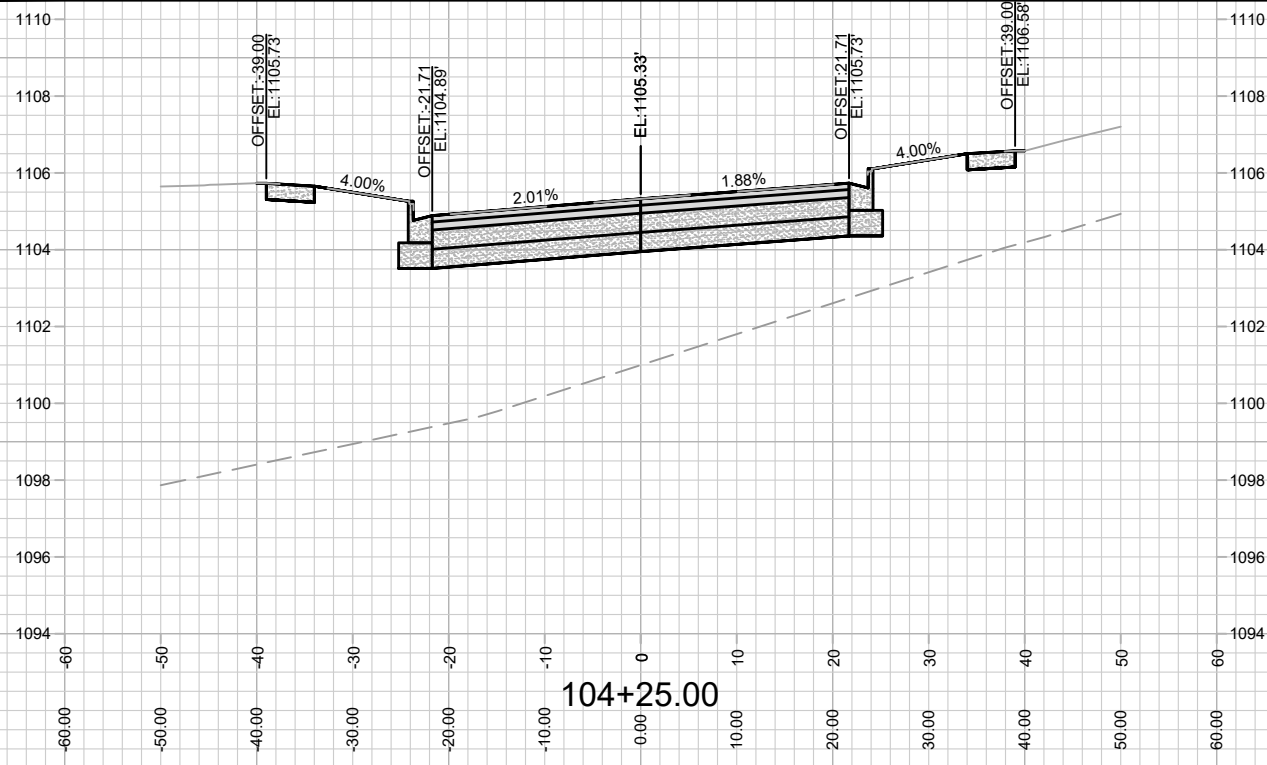
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CROSS SECTION - REDAN DRIVE  
ACACIA RIDGE PHASE 6

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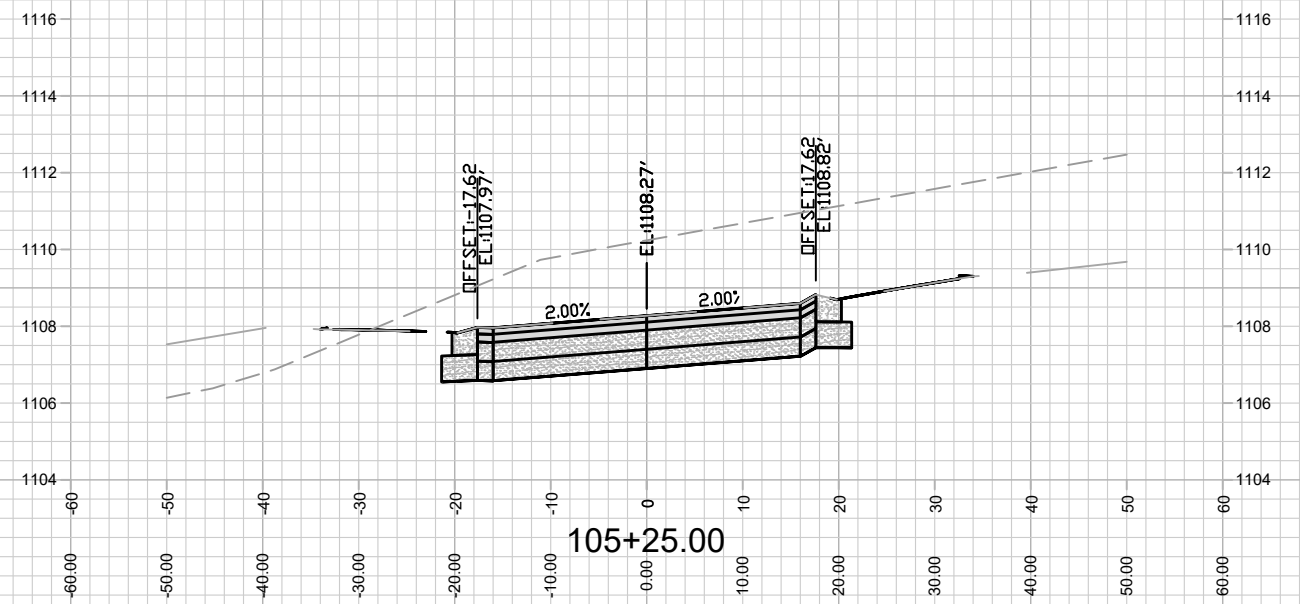
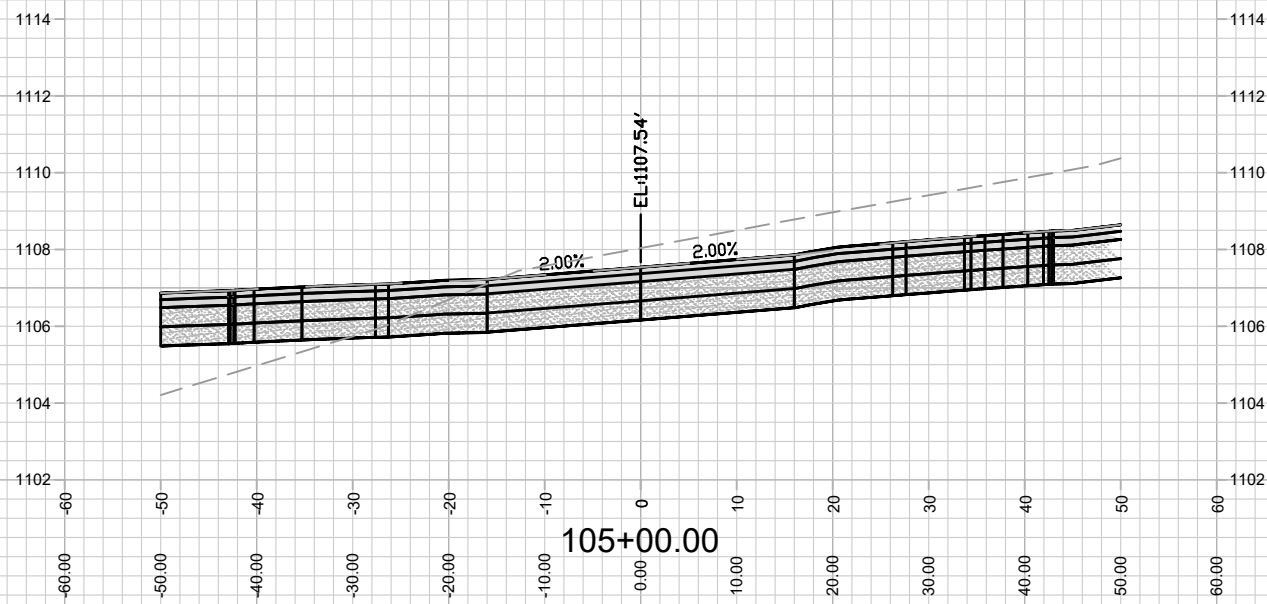
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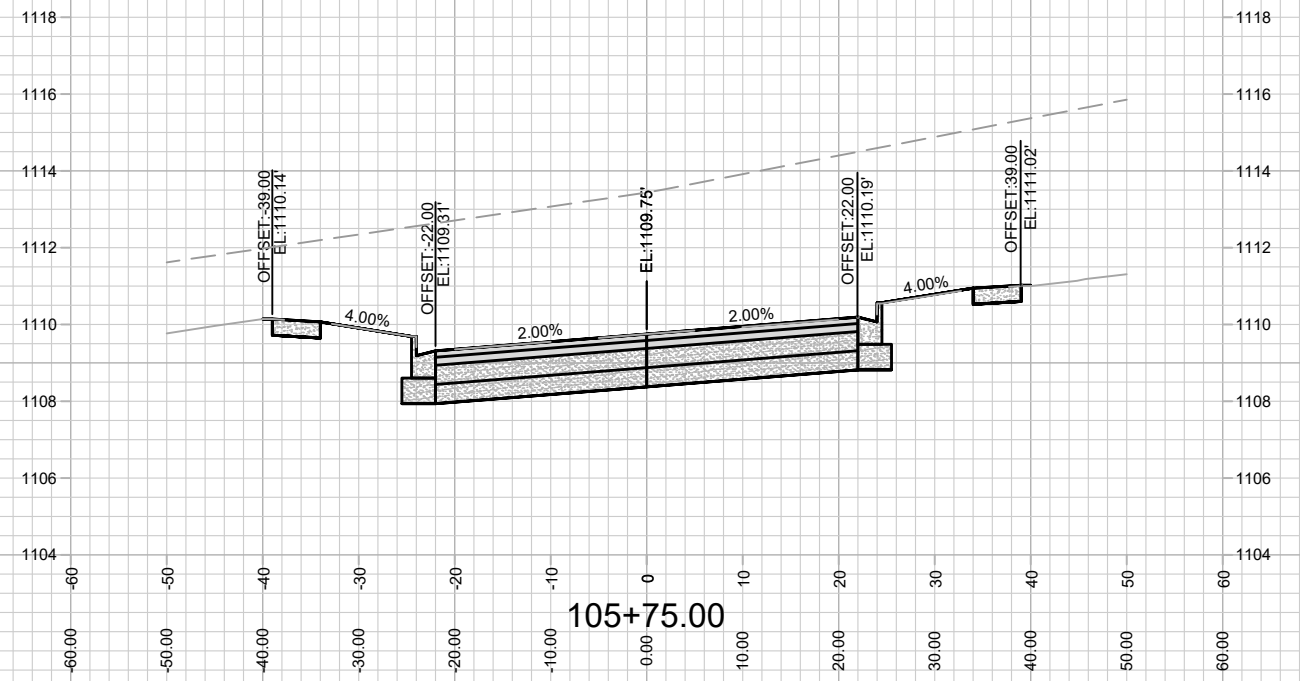
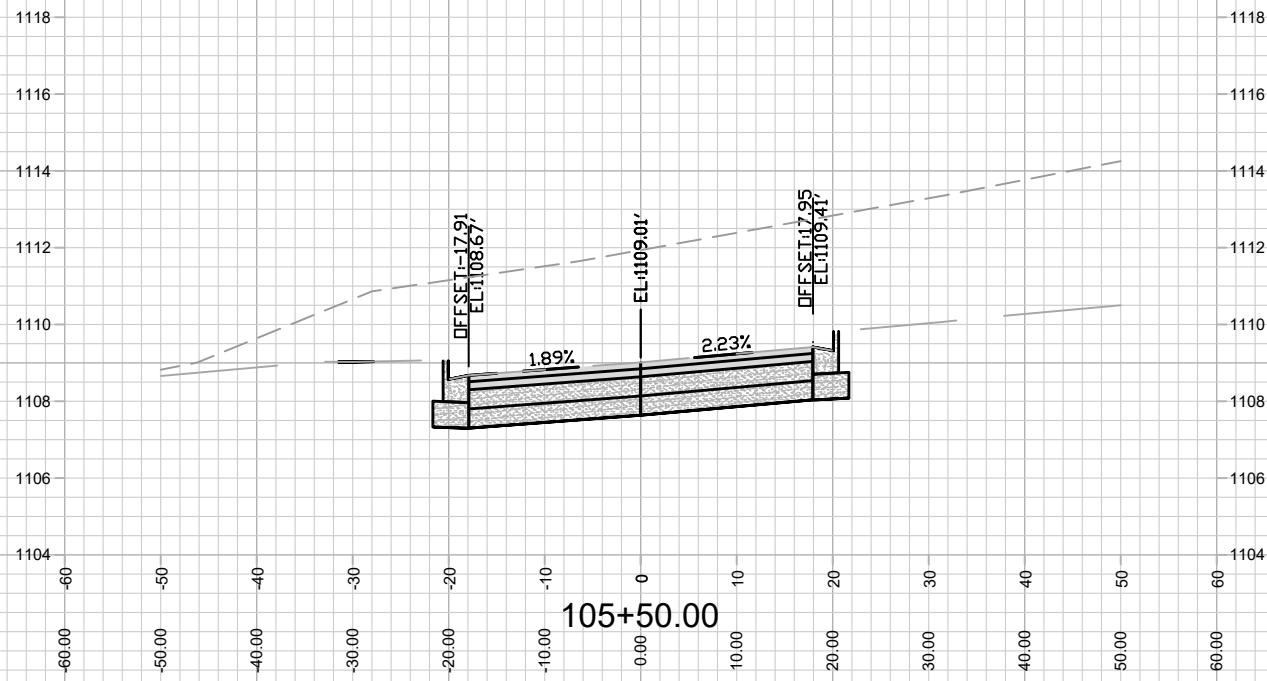
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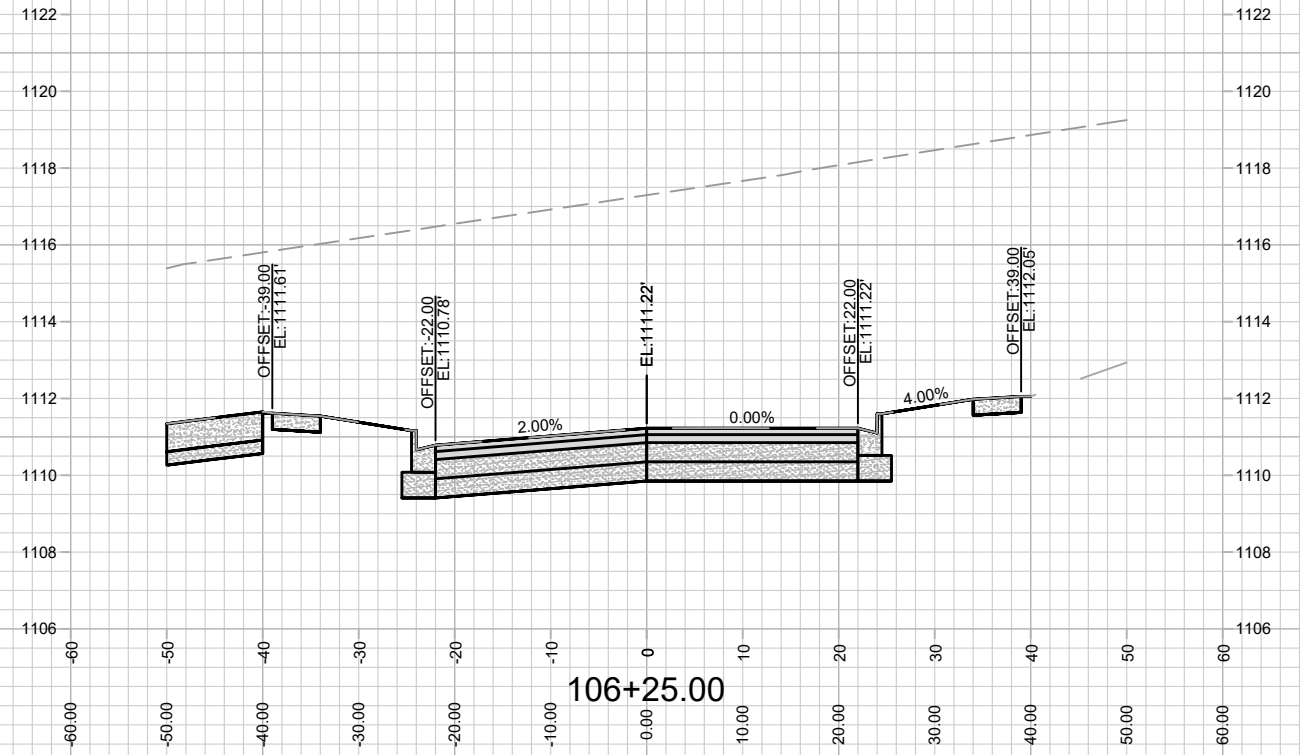
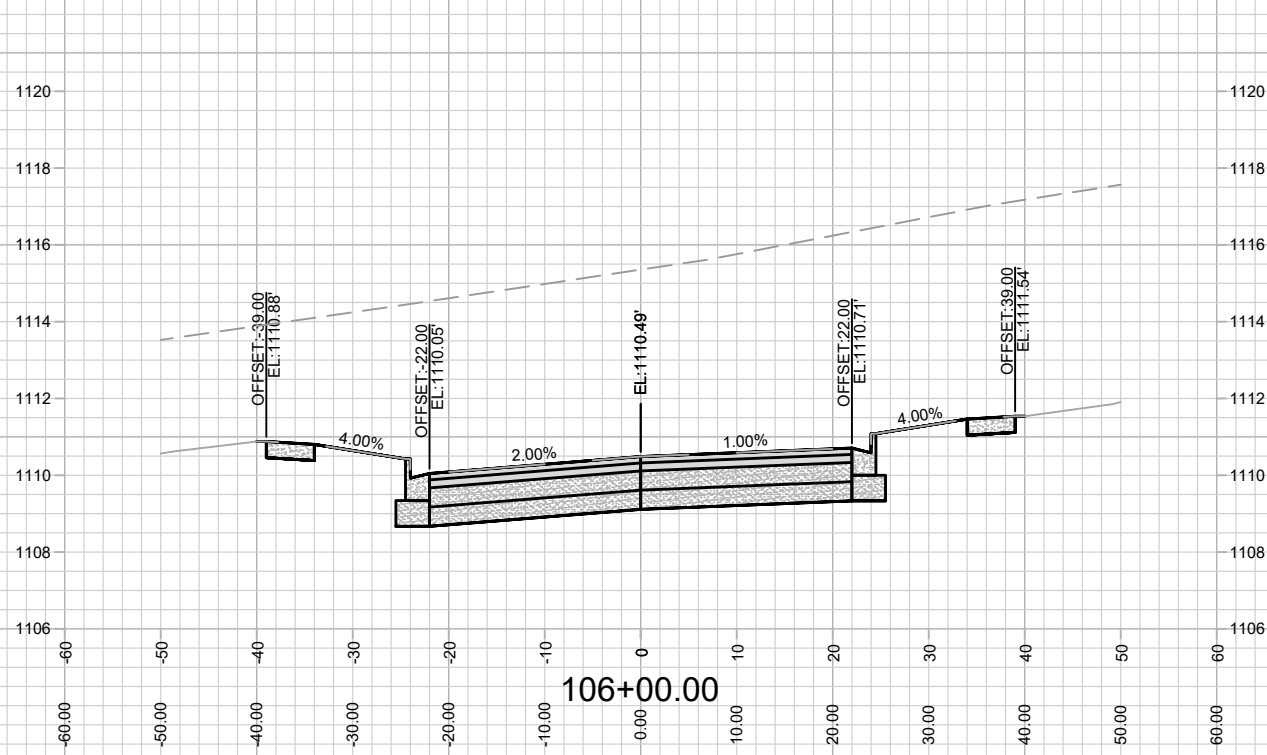
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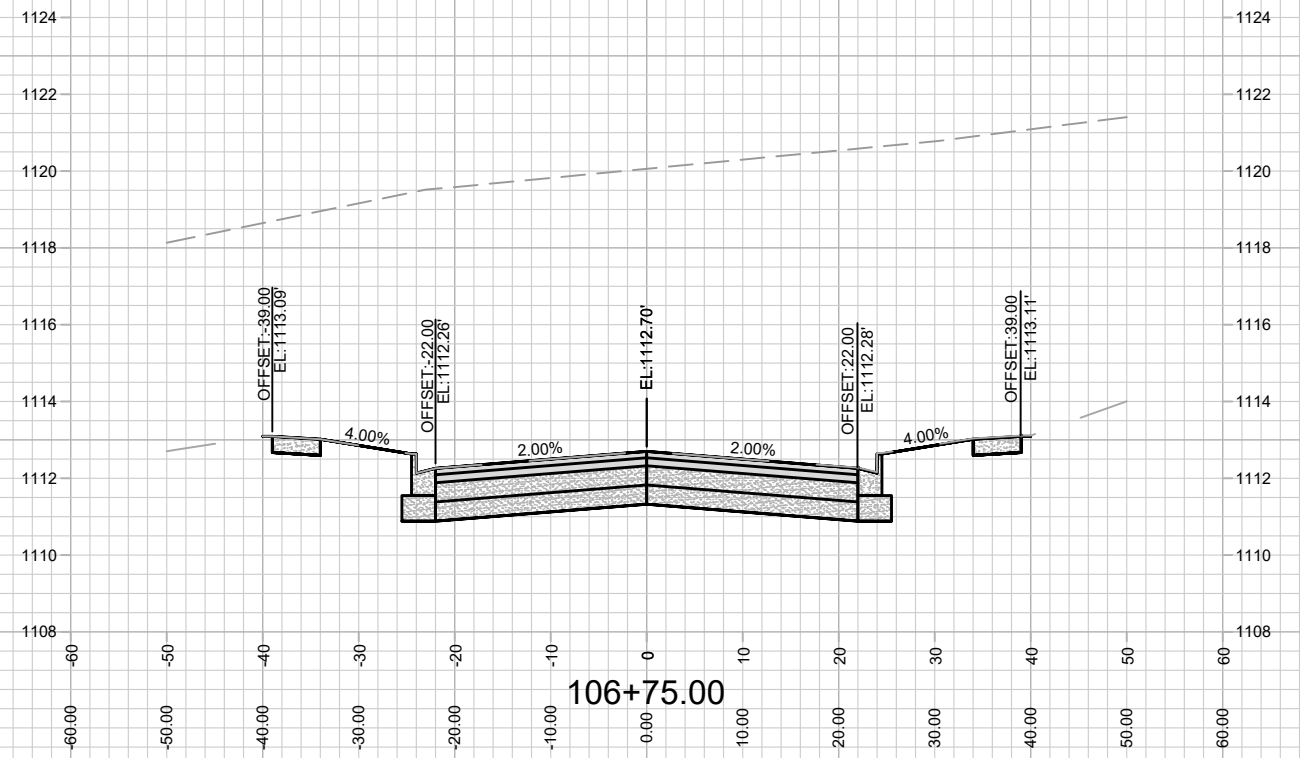
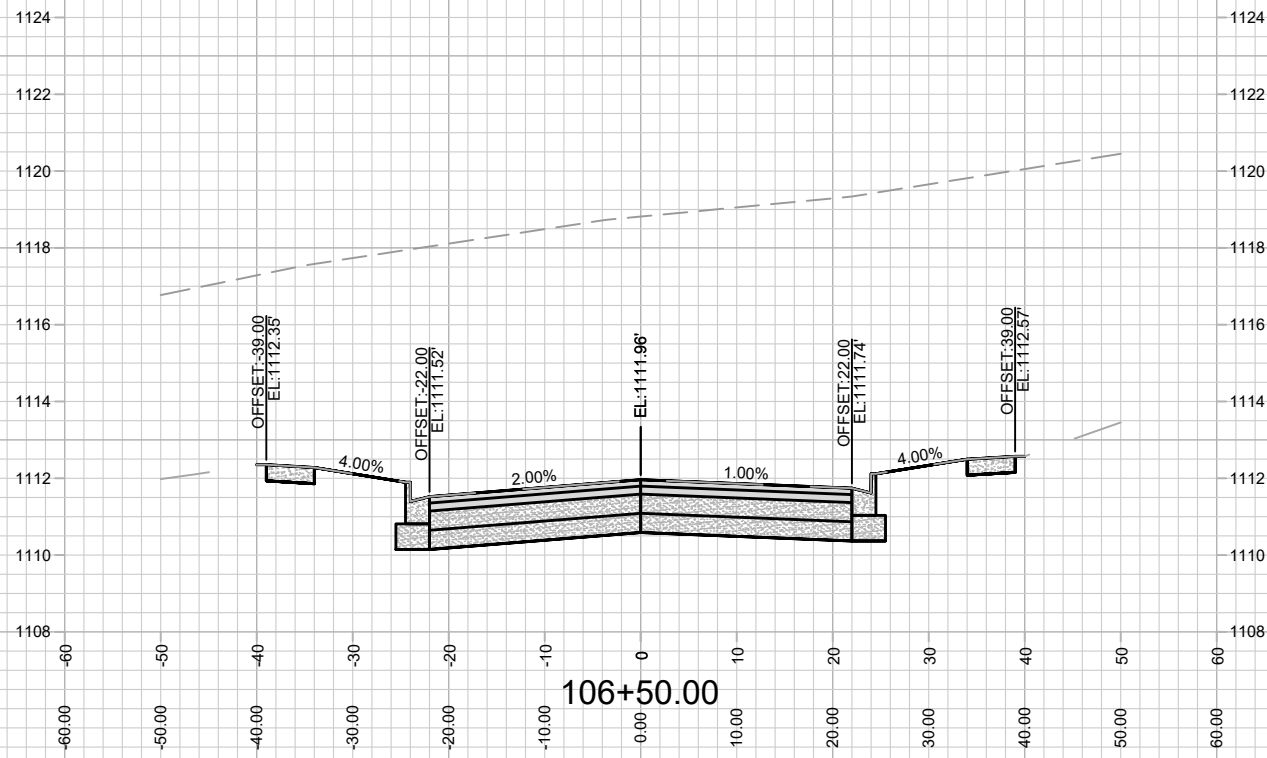
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CROSS SECTION - REDAN DRIVE  
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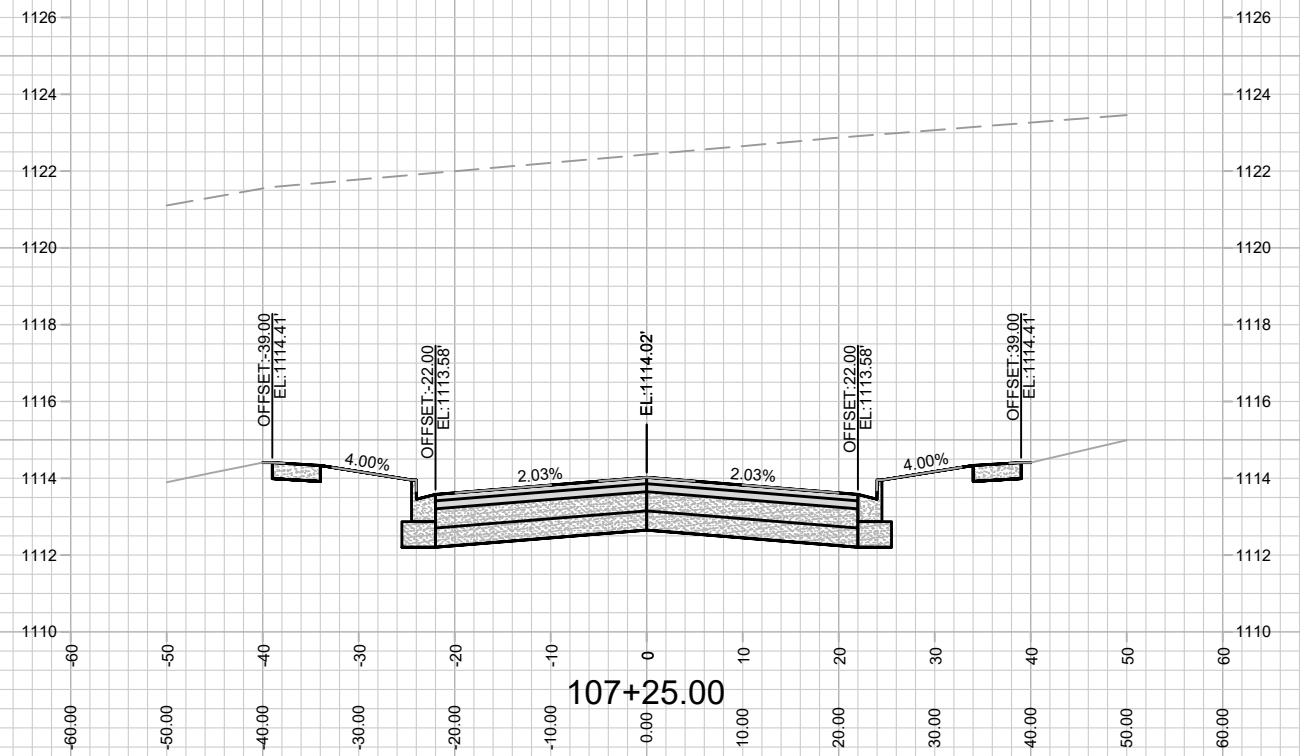
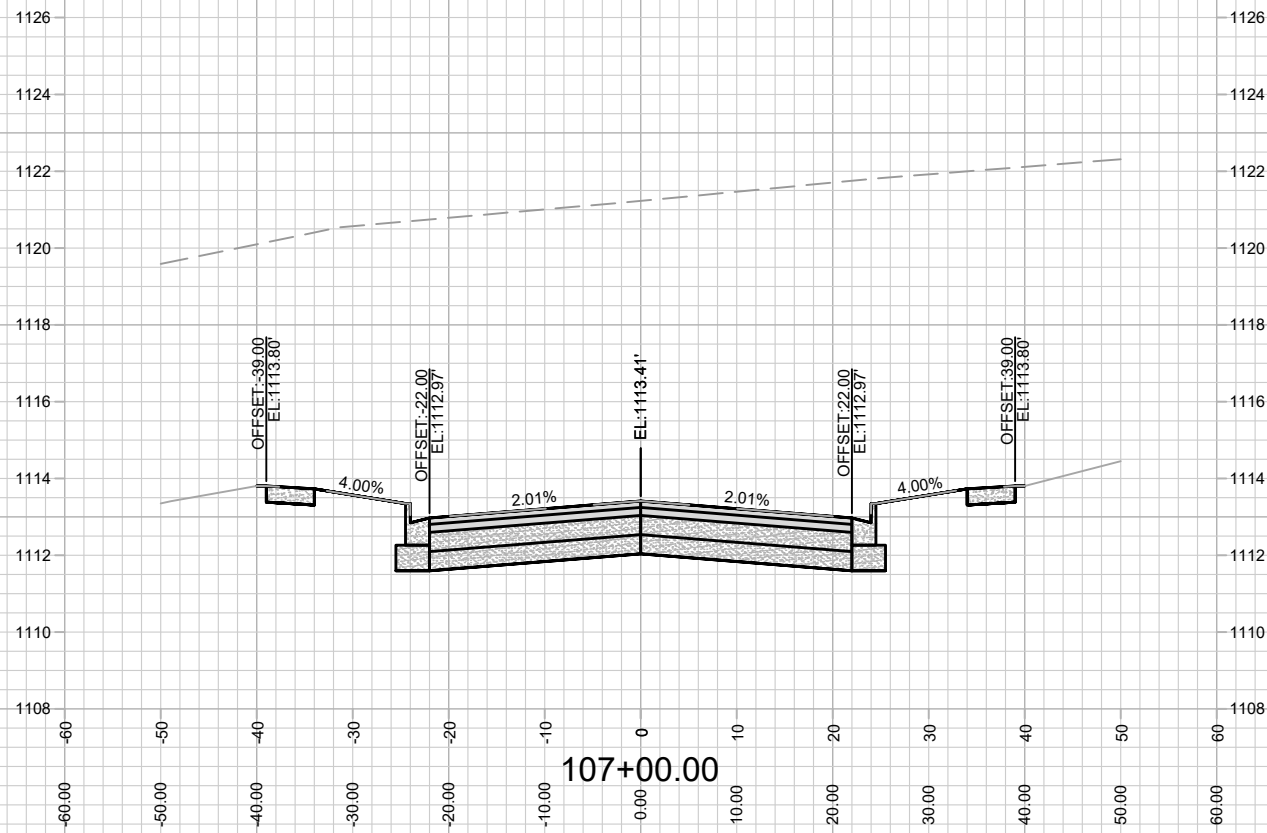
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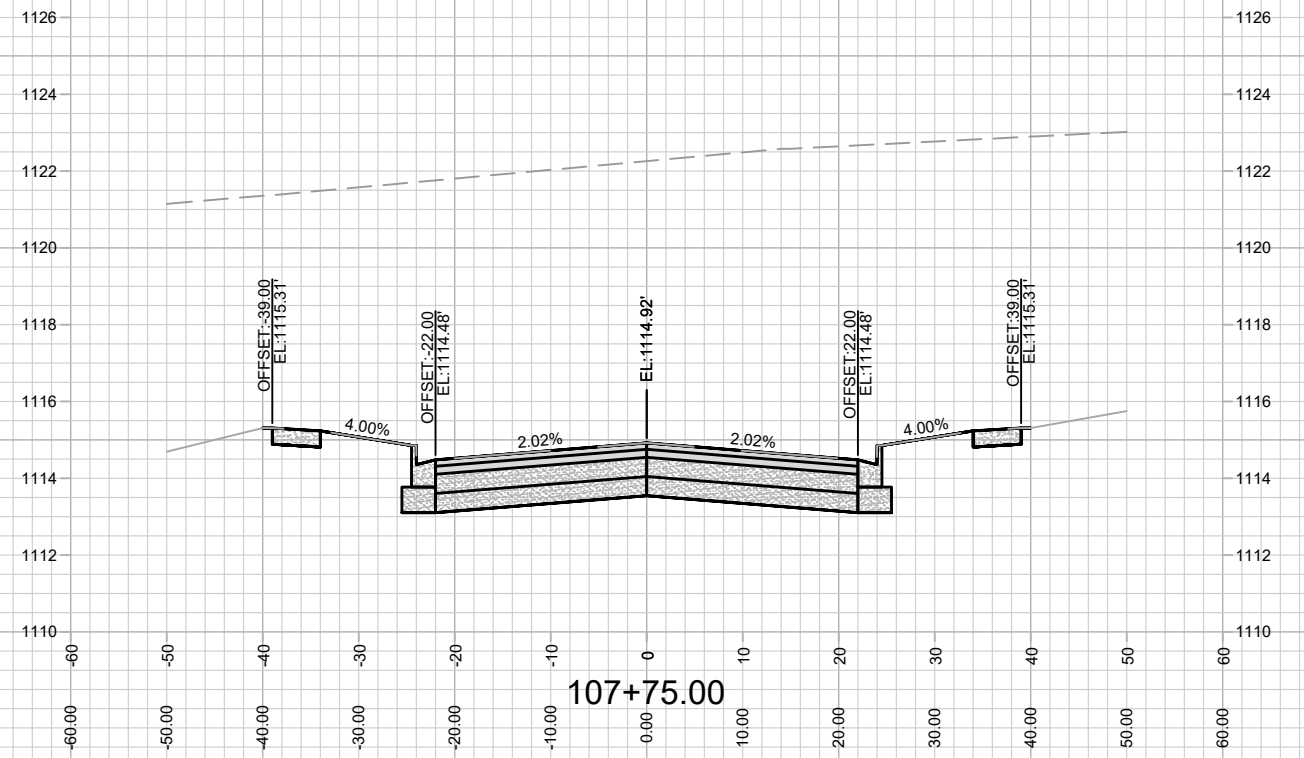
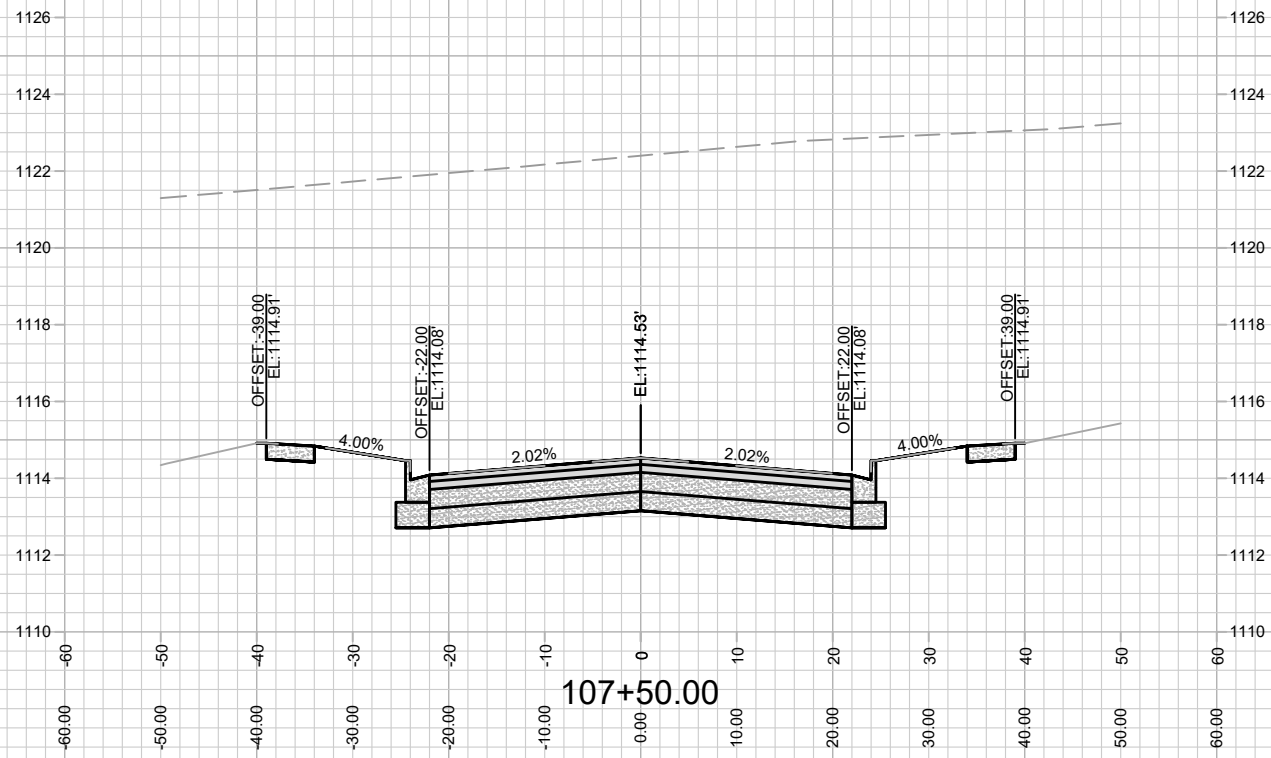
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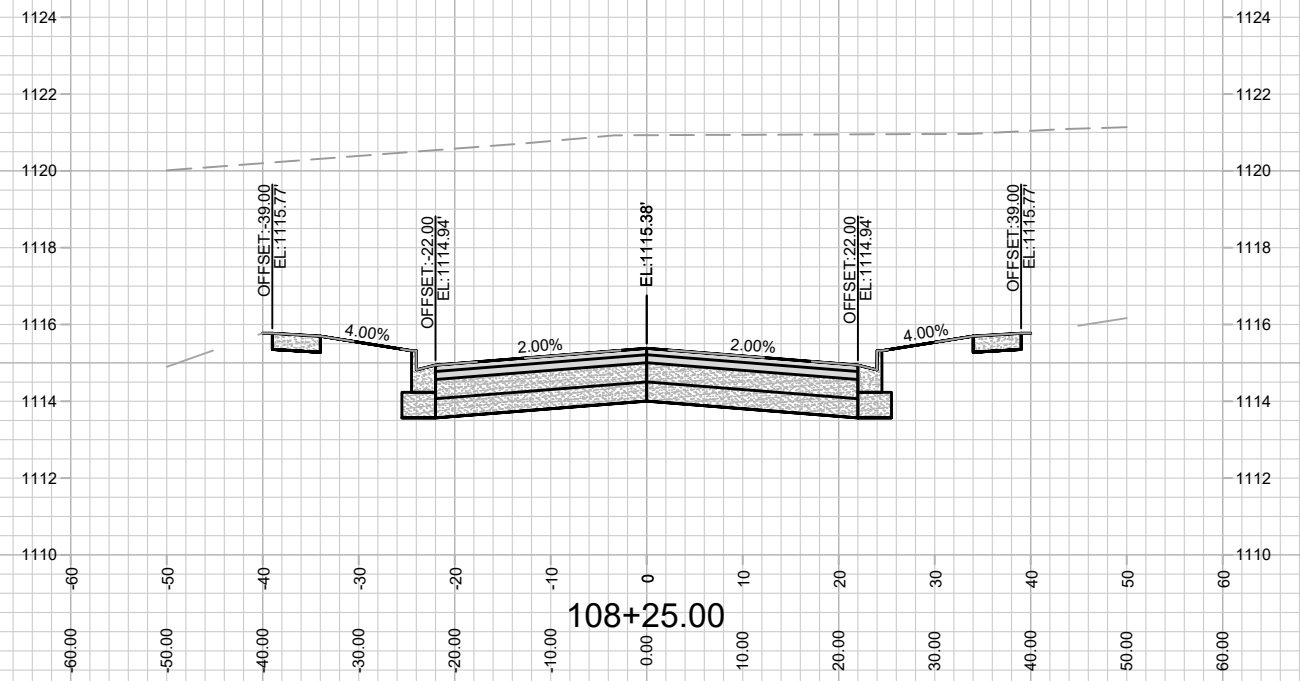
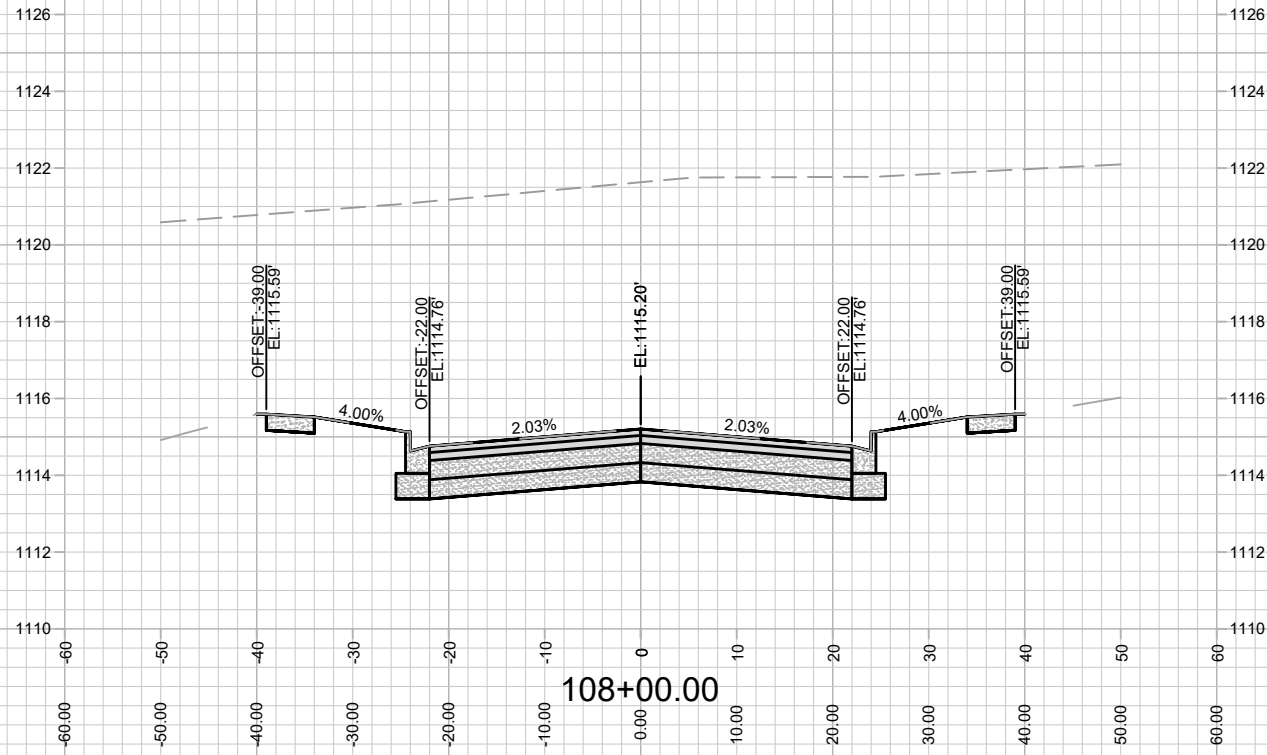
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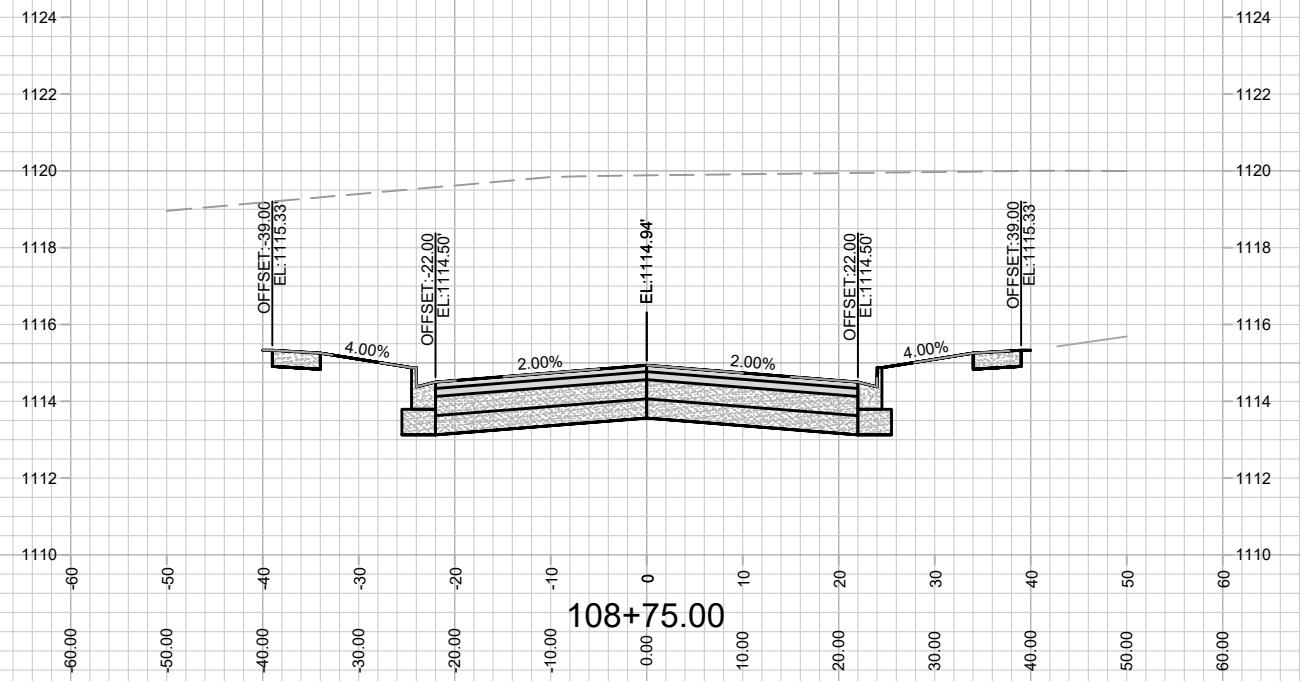
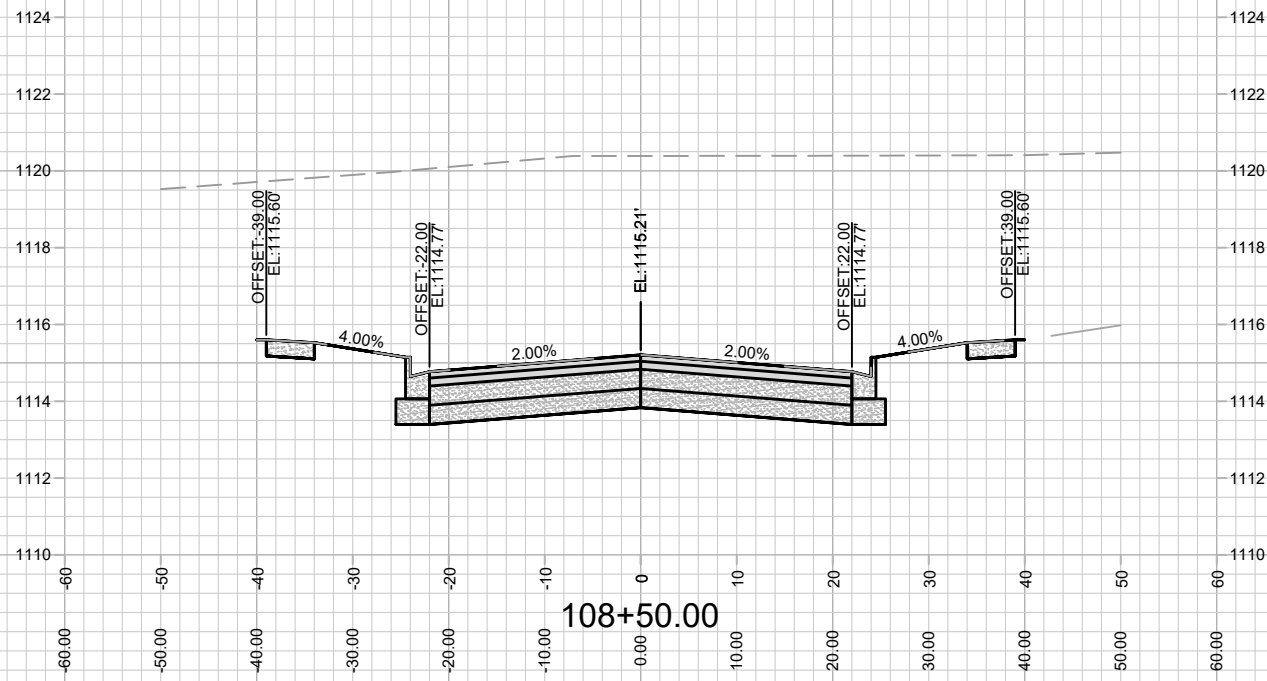
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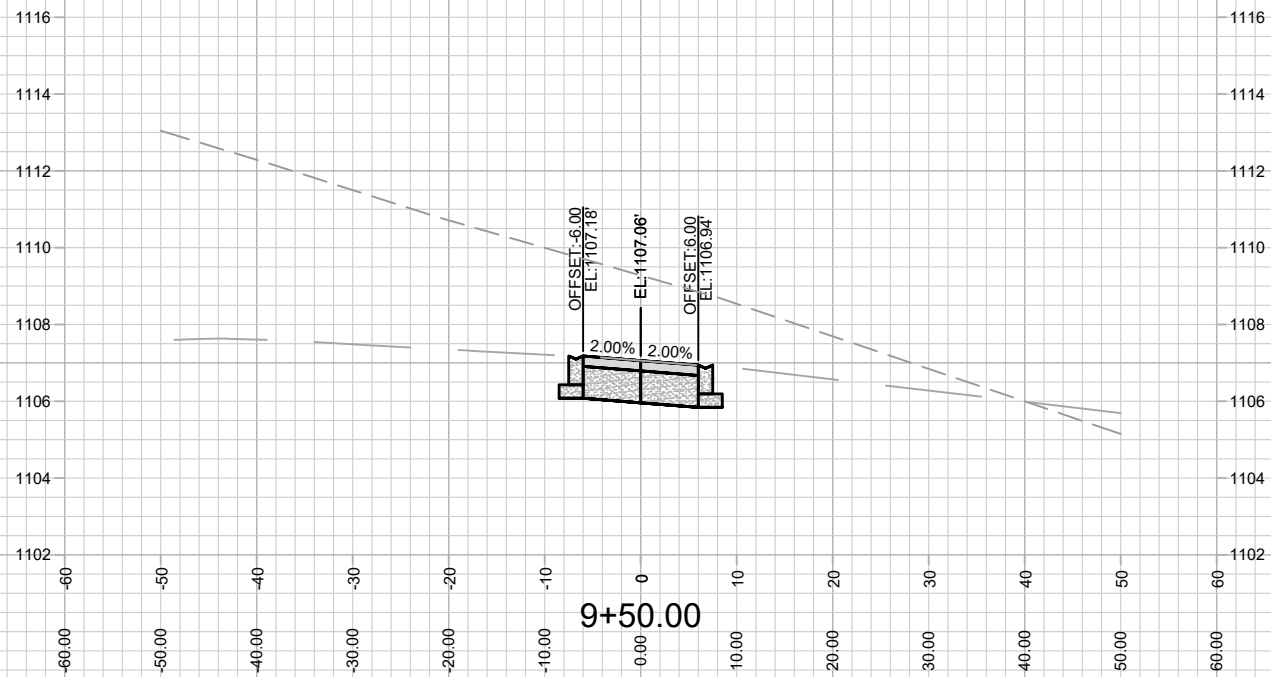
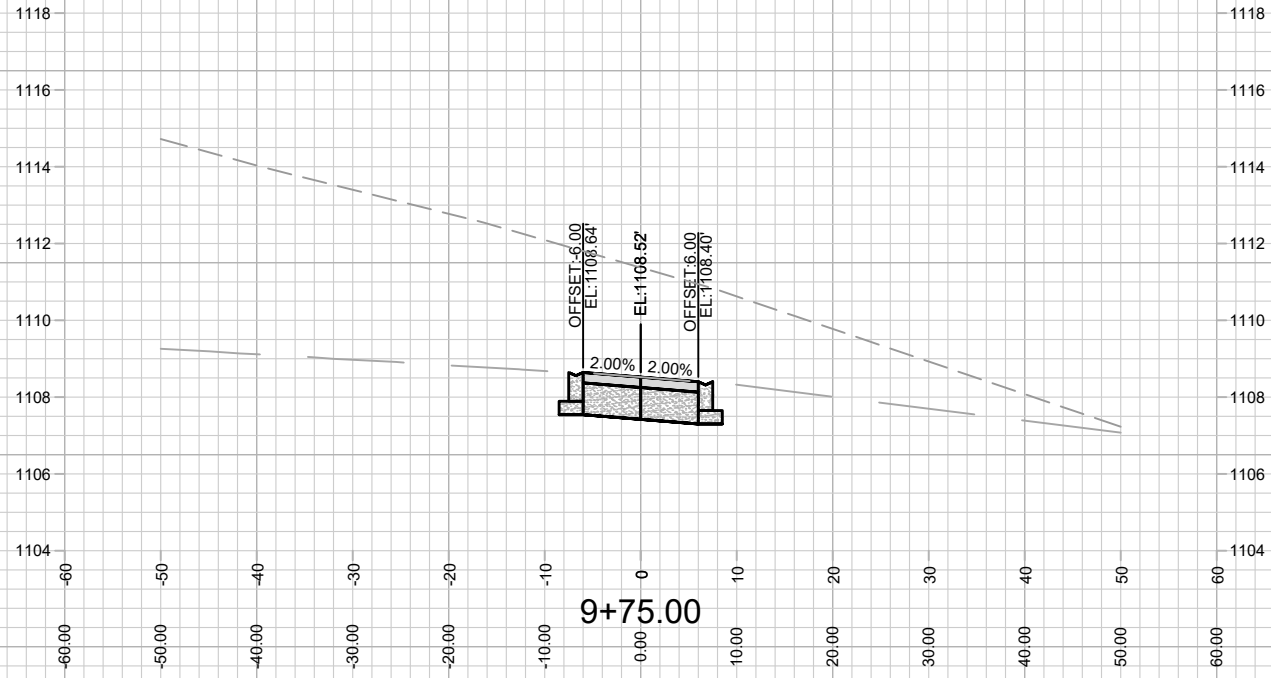
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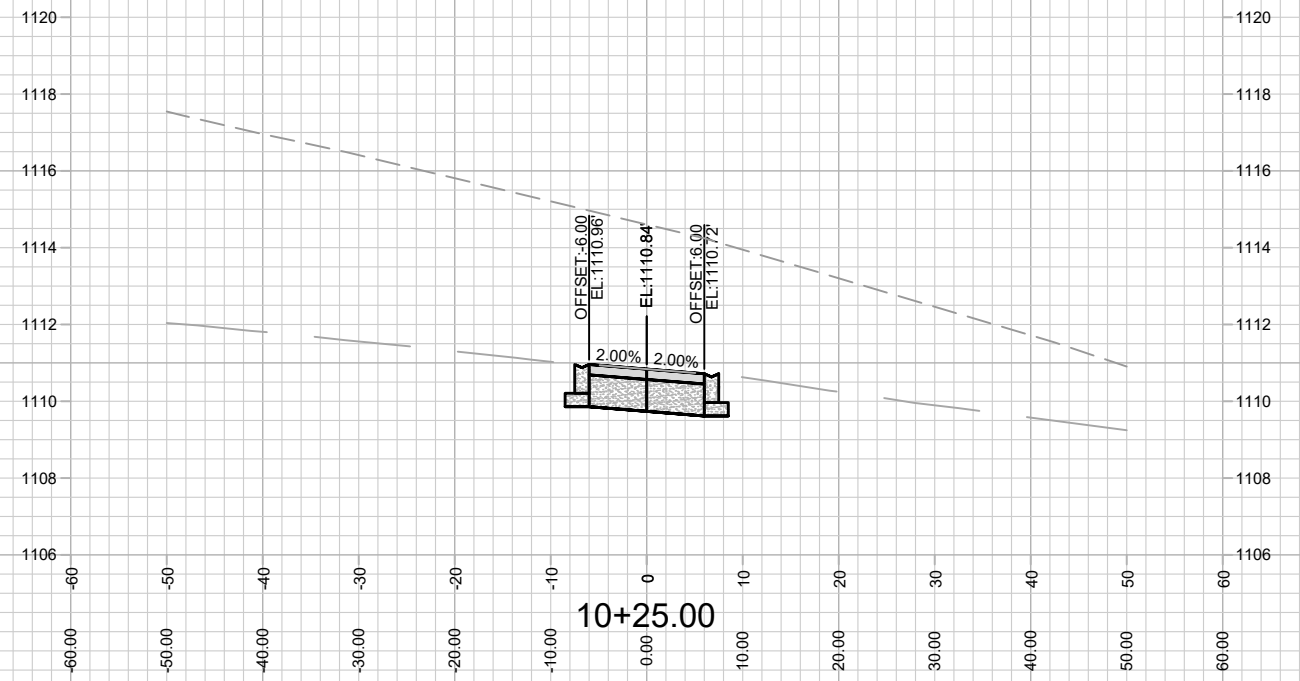
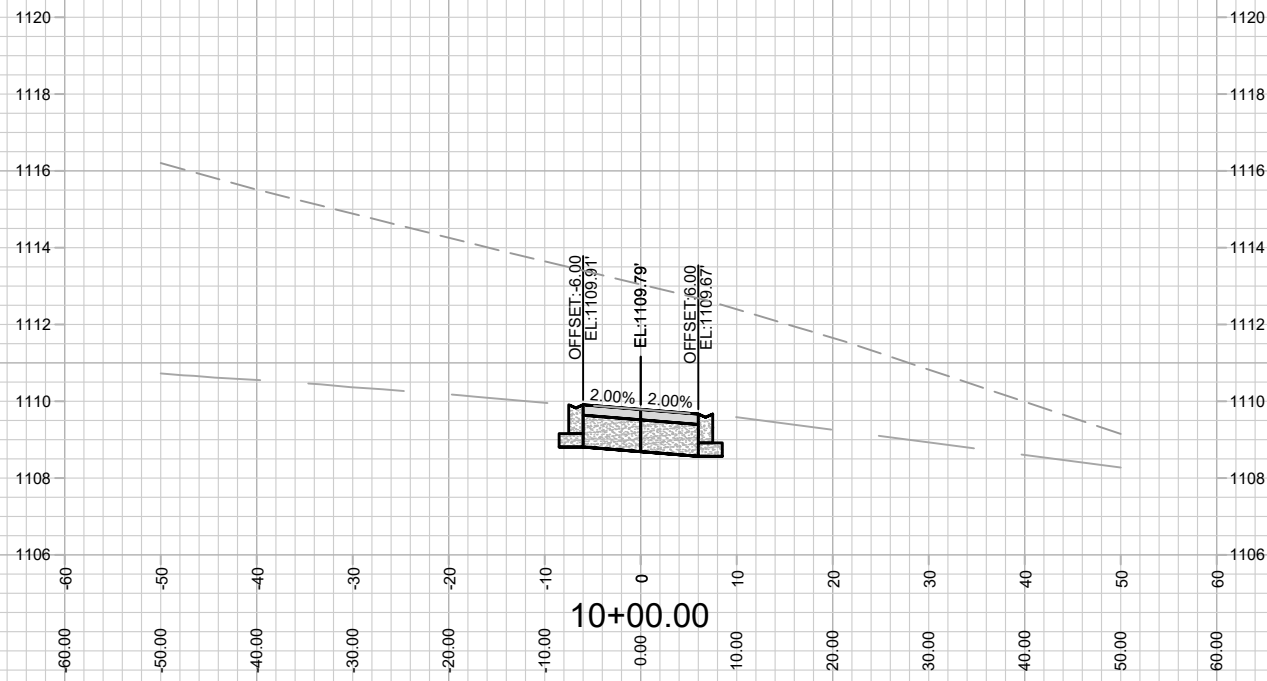
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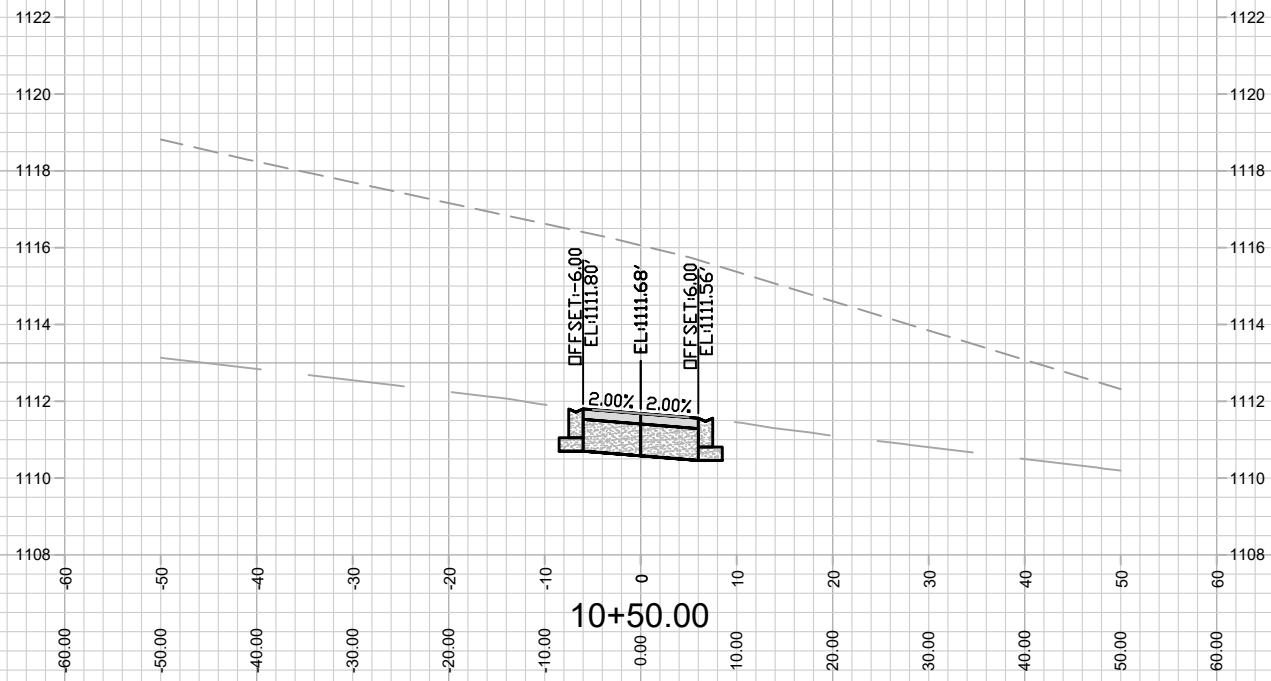
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ACACIA RIDGE PHASE 6

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