



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

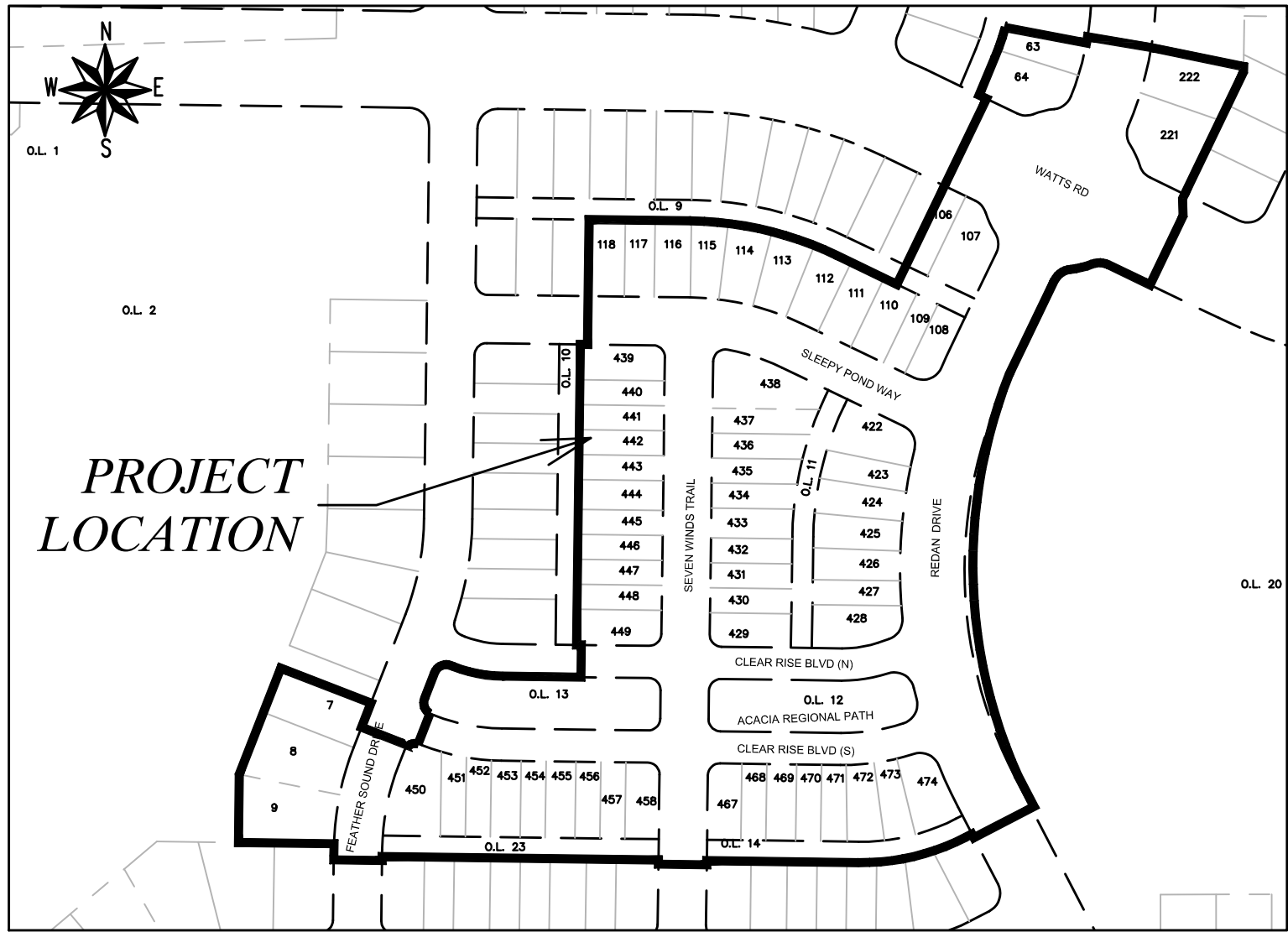
**INDEX OF SHEETS**

SHEET NO.	NOTES AND DETAILS
D1-D5	NOTES AND DETAILS
P1-P18	STREET PLAN & PROFILES
U1-U12	UTILITY PLAN & PROFILES
USAN	SANITARY SEWER SCHEDULE
USTM1-2	STORM SEWER SCHEDULE
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X1-X8	CROSS SECTIONS
MN-1	MAINTENANCE MAP

<E1-E3  
<ELECTRICAL PLAN  
REV JPS 2021 06-28

## ACACIA RIDGE: PHASE 5

CITY PROJECT NO. 13293  
CONTRACT NO. 8966



PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 5, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

*Greg Fries* Apr 9, 2021

City Engineer Date

**ELECTRICAL DESIGNED BY:**

Jul 7, 2021

**STREET GRADES DESIGNED BY:**

Apr 9, 2021

**STORM SEWER DESIGNED BY:**

Apr 9, 2021

**SANITARY SEWER DESIGNED BY:**

Apr 9, 2021

**STREET GEOMETRICS DESIGNED BY:**

Apr 9, 2021

**WATER DESIGNED BY:**

Apr 9, 2021

PLOT SCALE: 1"=1'-0" XREF: REV. DATE: 3/30/2021 2:45 PM PLOT NAME: 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 AARON CANTON AT ACANTON@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 SLEEPY POND WAY, SEVEN WINDS TRAIL, FEATHER SOUND DRIVE, CLEAR RISE BOULEVARD NORTH, AND CLEAR RISE BOULEVARD SOUTH 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.

ALL PAVEMENT IN THE WATTS 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 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.

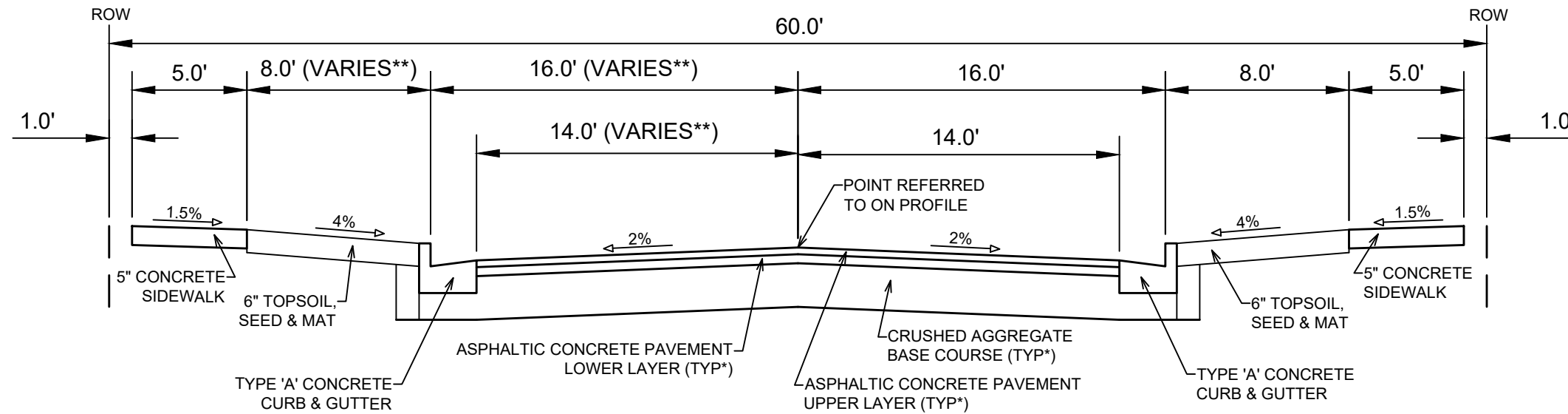
ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

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

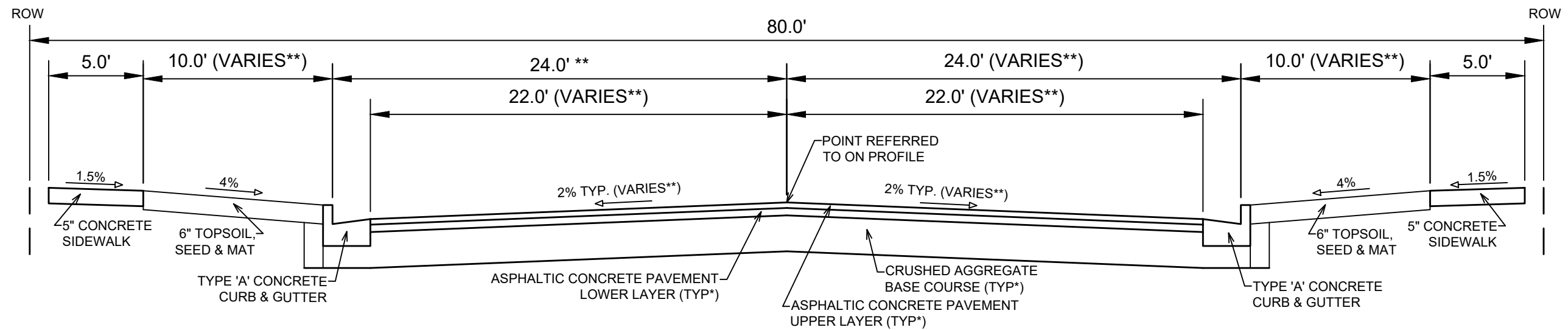
PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

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

13293	MADISON, WI	8966
STANDARD NOTES AND COMMENTS		
ACACIA RIDGE: PHASE 5		
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13293		
D-1		



**TYPICAL SECTION**  
 FEATHER SOUND DRIVE  
 SEVEN WINDS TRAIL  
 SLEEPY POND WAY



**TYPICAL SECTION**  
 REDAN DRIVE

**NOTES:**

\* FEATHER SOUND DRIVE, SEVEN WINDS TRAIL, AND SLEEPY POND WAY SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT;  
 REDAN DRIVE SHALL CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†

\*\* SEE PLAN AND PROFILE FOR SLOPES, ELEVATIONS AND OFFSETS

- THE CITY SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 5.

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"

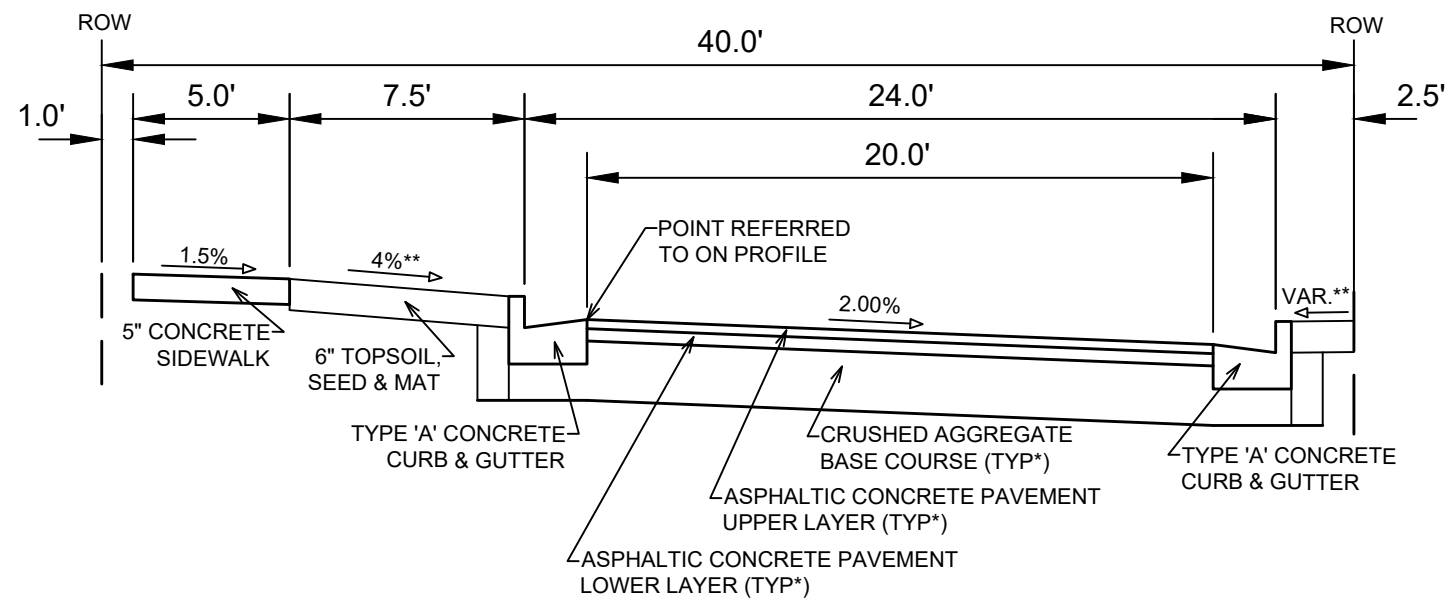
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 MADISON, WI  
 8966  
 CONTRACT NO:

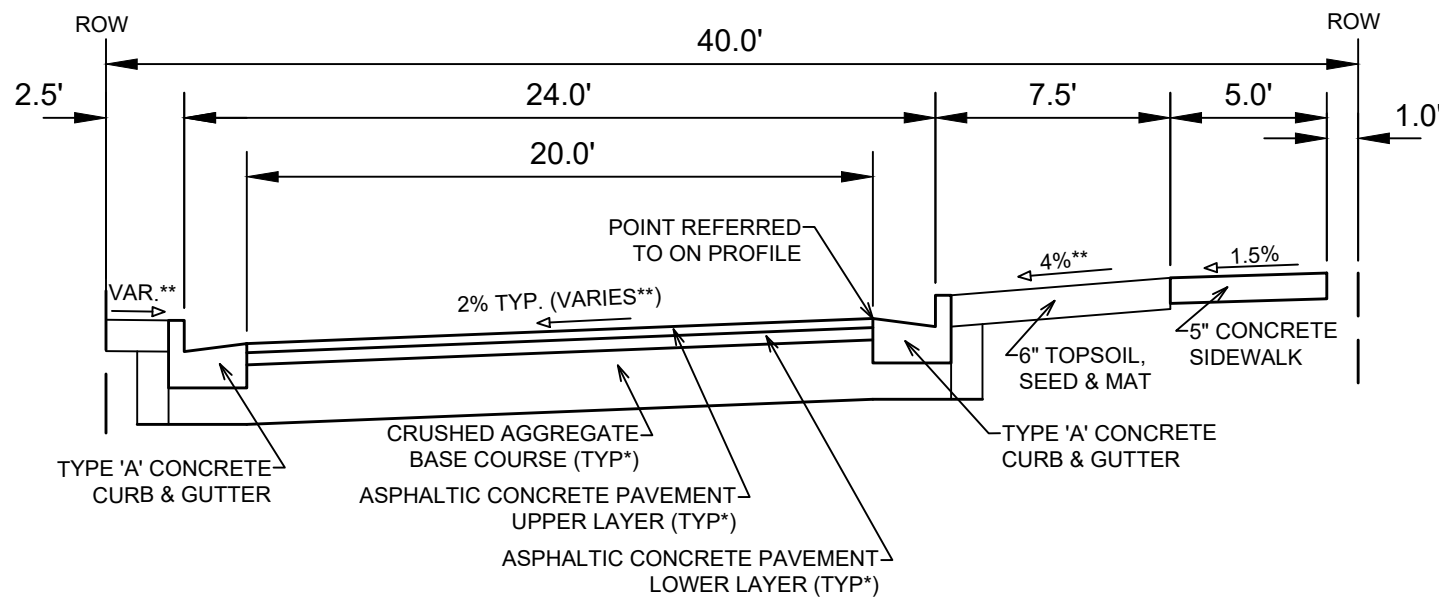
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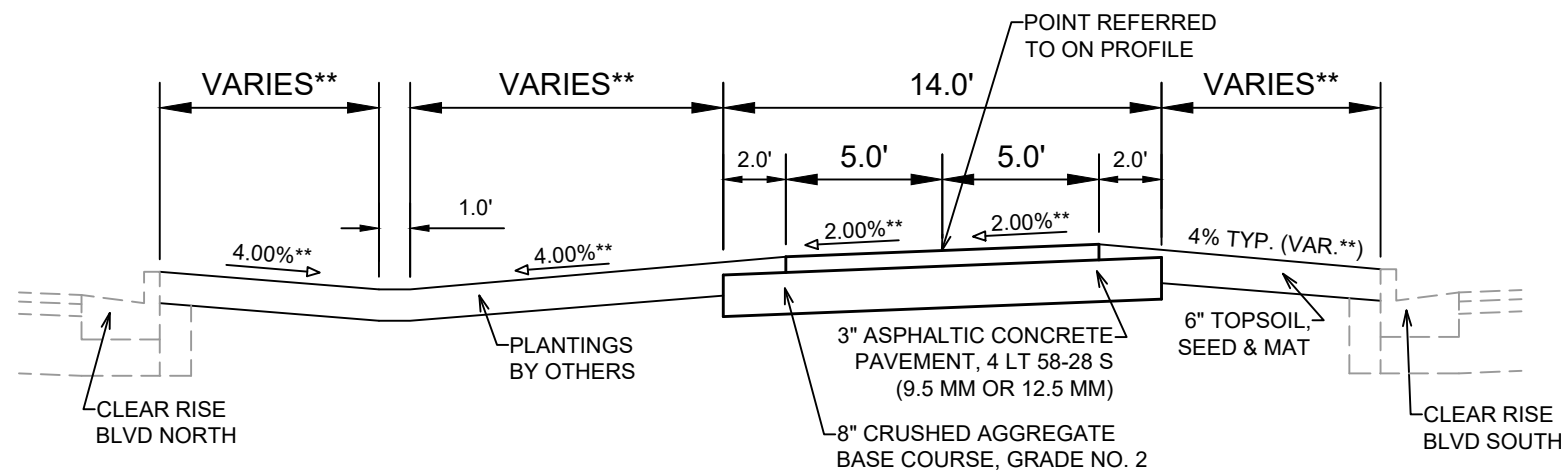
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**TYPICAL SECTION**  
**CLEAR RISE BOULEVARD NORTH**  
 STA 402+50 TO STA 406+50



**TYPICAL SECTION**  
**CLEAR RISE BOULEVARD SOUTH**  
 STA 600+93 TO STA 607+25



**TYPICAL SECTION**  
**ACACIA BIKE PATH**  
 (STA 48+55 TO STA 54+70)

**NOTES:**

\* CLEAR RISE BOULEVARD NORTH AND CLEAR RISE BOULEVARD SOUTH SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†

\*\* SEE PLAN AND PROFILE FOR SLOPES, ELEVATIONS AND OFFSETS

- THE CITY SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 5.

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"

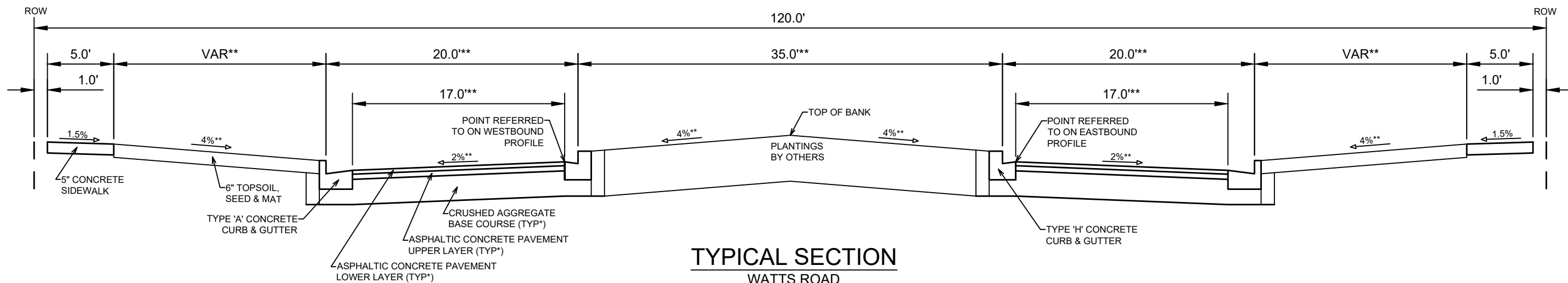
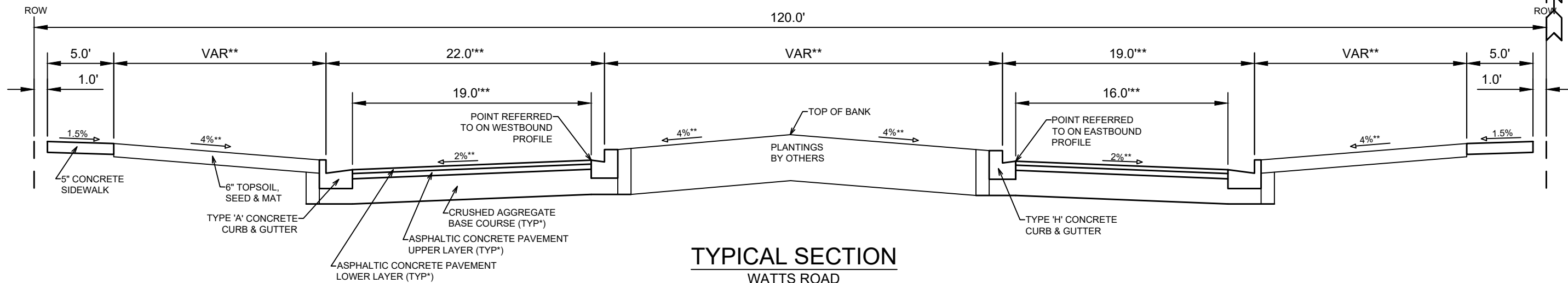
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 MADISON, WI  
 8966  
 CONTRACT NO:

TYPICAL SECTIONS  
 ACACIA RIDGE: PHASE 5  
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 D-3



**NOTES:**

\* WATTS ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†

\*\* SEE PLAN AND PROFILE FOR SLOPES, ELEVATIONS AND OFFSETS

- THE CITY SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 5.

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"

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13293  
MADISON, WI  
CONTRACT NO: 8966

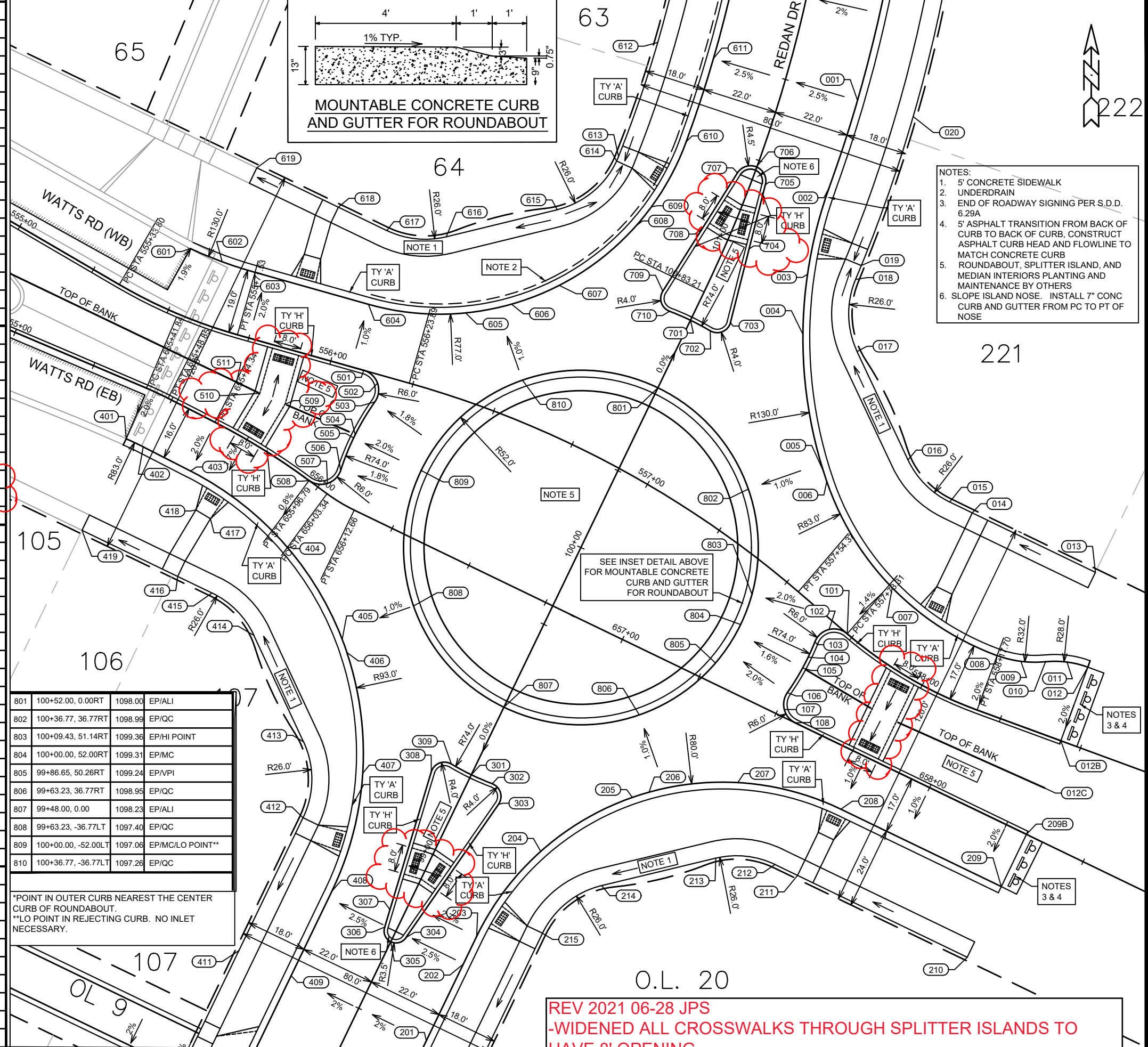
TYPICAL SECTIONS  
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ROUNDBABOUT DETAIL			
PNT	STA & OFF	ELEV.	COMMENT
001	101+50.00, 22.00RT	1098.58	EP/VPI
002	101+24.51, 22.00RT	1098.42	EP/PC
003	101+00.00, 25.43RT	1098.29	EP/LO POINT
004	100+84.49, 31.51RT	1098.44	EP/MC
005	557+38.59, -32.09LT	1099.24	EP/NEAREST CEN.*
006	557+41.01, -30.29LT	1099.30	EP/PCC
007	557+74.75, -18.83LT	1100.33	EP/MC
008	558+17.70, -17.00LT	1101.87	EP/PCC
009	558+24.85, -17.81LT	1102.12	EP/MC
010	558+31.64, -20.20LT	1102.38	EP/PRC
011	558+37.59, -22.29LT	1102.63	EP/MC
012	558+43.85, -23.00LT	1102.85	EP/PT/END CURB
012B	558+43.85, 0.00	1102.38	EP/END CURB
012C	558+44.25, 14.65RT	1102.93	GND/END RIDGE
013	558+36.36, -49.87LT	1103.89	BW/END SW
014	557+81.30, -50.64LT	1102.06	BW/KEY
015	557+70.93, -48.90LT	1101.75	BW/PC
016	557+53.71, -50.30LT	1100.86	BW/PT
017	100+86.56, 48.01RT	1099.39	BW/PC
018	101+03.81, 39.00RT	1098.85	BW/PT
019	101+07.83, 39.00RT	1098.76	BW/KEY/LO POINT
020	101+50.00, 39.00RT	1099.41	BW/BEGIN 4% TERR.
101	657+58.67, -30.14LT	1100.09	EP/PRC
102	657+53.31, -28.97LT	1099.92	EP/MC
103	657+51.14, -23.94LT	1099.75	EP/PRC
104	657+51.31, -19.00LT	1099.70	EP/PC
105	657+51.22, -15.43LT	1099.66	EP/MC/LO POINT
106	657+50.32, -6.98LT	1099.70	EP/PRC
107	657+51.67, -2.12LT	1099.74	EP/MC
108	657+56.24, 0.00	1099.82	EP/PT
201	98+50.00, 22.00RT	1097.67	EP/VPI
202	98+75.00, 22.00RT	1098.23	EP/VPI
203	98+84.00, 22.00RT	1098.35	EP/PC
204	99+14.61, 28.09RT	1098.74	EP/QC
205	657+22.74, 40.43RT	1099.05	EP/MC
206	657+26.48, 36.92RT	1099.11	EP/NEAREST CEN.*
207	657+48.69, 23.09RT	1099.41	EP/QC
208	657+79.31, 17.00RT	1100.31	EP/PT
209	658+31.55, 17.00RT	1101.75	EP/END CURB
209B	658+31.55, 0.00	1102.09	EP/END CURB
210	658+31.55, 40.00RT	1102.81	BW/END SW
211	657+76.31, 40.00RT	1101.08	BW/KEY
212	657+68.96, 40.00RT	1100.95	BW/PC
213	657+52.51, 45.86RT	1100.59	BW/PT
214	99+13.36, 48.55RT	1099.81	BW/PC
215	98+93.23, 39.00RT	1099.23	BW/PT/KEY
216	98+50.00, 39.00RT	1098.50	BW/BEGIN 4% TERR.
301	99+26.00, 0.00	1098.23	EP/MC
302	99+26.30, 6.63RT	1098.35	EP/PRC
303	99+21.69, 10.94RT	1098.40	EP/PT/LO POINT
304	98+74.76, 3.48RT	1097.77	EP/PC
305	98+71.63, 0.00	1097.67	EP/MC
306	98+74.76, -3.48LT	1097.59	EP/PT
307	98+80.00, -4.31LT	1097.55	EP/LO POINT
308	99+21.69, -10.94LT	1097.99	EP/PC
309	99+26.30, -6.63LT	1098.11	EP/PT
401	655+42.25, 15.93RT	1095.35	EP/PC/MATCH EX.
402	655+48.85, 16.00RT	1095.47	EP/PT
403	655+64.49, 16.00RT	1095.77	EP/PC
404	656+02.95, 19.49RT	1096.69	EP/QC
405	656+25.96, 35.69RT	1097.20	EP/NEAREST CEN.*
406	656+28.83, 38.51RT	1097.27	EP/MC
407	99+12.59, -28.87LT	1097.63	EP/QC/LO POINT
408	98+77.50, -22.00LT	1097.17	EP/PT
409	98+50.00, -22.00LT	1096.79	EP/VPI
411	98+50.00, -39.00LT	1097.62	BW/END 4% TERR.
412	98+93.23, -39.00LT	1098.06	BW/PC/KEY
413	99+13.36, -48.55LT	1098.37	BW/PT/LO POINT
414	656+07.18, 46.44RT	1098.13	BW/PC
415	655+92.56, 43.41RT	1097.63	BW/PT
416	655+78.31, 44.86RT	1097.19	BW/KEY
417	655+77.73, 25.40RT	1096.53	BW/VPI
418	655+72.00, 25.33RT	1096.45	BW/VPI
419	655+40.77, 45.76RT	1096.70	BW/MATCH EX. SW.
501	655+91.46, -35.59LT	1096.58	EP/PC
502	655+96.11, -34.87LT	1096.64	EP/MC
503	655+98.62, -30.02LT	1096.71	EP/PRC/LO POINT
504	655+99.71, -18.82LT	1096.62	EP/MC/LO POINT
505	655+99.89, -17.80LT	1096.63	EP/VPI
506	656+02.48, -7.91LT	1096.72	EP/PC
507	656+01.66, -2.50LT	1096.75	EP/MC/LO POINT
508	655+96.79, 0.00	1096.67	EP/PRC
509	655+79.12, -14.66LT	1096.49	BW/LO POINT
510	655+71.64, -13.69LT	1096.33	BW/LO POINT
511	655+64.50, -13.34LT	1096.98	GND/RIDGE VPI
601	555+48.34, -19.00LT	1095.26	EP/PC/MATCH EX.
602	555+59.94, -19.00LT	1095.41	EP/MC
603	555+71.53, -19.00LT	1095.57	EP/PT
604	556+06.09, -19.00LT	1096.31	EP/PC
605	556+33.44, -24.48LT	1096.96	EP/QC
606	556+44.37, -31.21LT	1097.11	EP/NEAREST CEN.*
607	100+66.49, -39.11LT	1097.28	EP/MC/LO POINT
608	100+92.74, -26.26LT	1097.14	EP/LO POINT
609	101+00.00, -24.44LT	1097.10	EP/QC
610	101+22.86, -22.00LT	1097.31	EP/PT
611	101+50.00, -22.00LT	1097.49	EP/VPI
612	101+50.00, -39.00LT	1098.32	BW/END 4% TERR.
613	101+10.78, -39.00LT	1097.78	BW/PC
614	101+09.20, -39.04LT	1097.76	BW/KEY/LO POINT
615	100+86.63, -49.26LT	1098.15	BW/PT/LO POINT
616	556+22.71, -44.25LT	1097.96	BW/PC
617	556+05.40, -41.29LT	1097.32	BW/PT
618	555+89.87, -44.03LT	1096.95	BW/KEY
619	555+59.96, -48.34LT	1096.66	BW/MATCH EX. SW
701	100+74.00, 0.00RT	1098.00	EP/MC
702	100+73.71, 6.57RT	1098.14	EP/PRC
703	100+78.49, 10.85RT	1098.20	EP/PT/LO POINT
704	101+00.00, 6.76RT	1097.82	EP/LO POINT
705	101+18.99, 4.14RT	1098.03	EP/PC/LO POINT
706	101+22.98, -0.11LT	1097.85	EP/MC
707	101+19.40, -4.74LT	1097.75	EP/PT
708	101+00.00, -8.21LT	1097.67	EP/LO POINT
709	100+78.13, -11.02LT	1097.78	EP/PC
710	100+73.70, -6.68LT	1097.89	EP/PRC
801	100+52.00, 0.00RT	1098.00	EPI/ALI
802	100+36.77, 36.77RT	1098.99	EPI/QC
803	100+09.43, 51.14RT	1099.36	EPI/LO POINT
804	100+00.00, 52.00RT	1099.31	EP/MC
805	99+86.65, 50.26RT	1099.24	EP/VPI
806	99+63.23, 36.77RT	1098.95	EPI/QC
807	99+48.00, 0.00	1098.23	EPI/ALI
808	99+63.23, -36.77LT	1097.40	EPI/QC
809	100+00.00, -52.00LT	1097.06	EP/MC/LO POINT**
810	100+36.77, -36.77LT	1097.26	EPI/QC

801	100+52.00, 0.00RT	1098.00	EPI/ALI
802	100+36.77, 36.77RT	1098.99	EPI/QC
803	100+09.43, 51.14RT	1099.36	EPI/LO POINT
804	100+00.00, 52.00RT	1099.31	EP/MC
805	99+86.65, 50.26RT	1099.24	EP/VPI
806	99+63.23, 36.77RT	1098.95	EPI/QC
807	99+48.00, 0.00	1098.23	EPI/ALI
808	99+63.23, -36.77LT	1097.40	EPI/QC
809	100+00.00, -52.00LT	1097.06	EP/MC/LO POINT**
810	100+36.77, -36.77LT	1097.26	EPI/QC



REVISION	DATE	BY
MARK	06/27/2021	5:00 PM
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Designed By: AJC		
13293		

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 MADISON, WI  
 ACACIA RIDGE: PHASE 5  
 CONTRACT NO.: 8966  
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ROUNDABOUT DETAIL
ACACIA RIDGE: PHASE 5



13293  
 D-5

REV 2021 06-28 JPS  
 -WIDENED ALL CROSSWALKS THROUGH SPLITTER ISLANDS TO HAVE 8' OPENING




GENERAL ELECTRICAL NOTES:

1. ALL LOCATIONS ARE APPROXIMATE, THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY JERRY SCHIPPA (267-1969), CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR HANDHOLE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2021 EDITION" AND ALL ADDENDUMS THERETO.
3. ALL CONDUITS SHALL BE PVC, SCHEDULE 80 BENEATH PAVEMENT, OR SCHEDULE 40 OTHERWISE. PULL WIRE SHALL BE INSTALLED IN ALL CONDUITS PER STANDARD SPECIFICATIONS.
4. THE CONTRACTOR SHALL CALL MIKE BENZSCHAWEL, AT (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF PLACING CONCRETE BASES, HANDHOLES, OR BURYING CONDUIT TO ARRANGE FOR INSPECTION.
5. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
6. QUANTITIES:

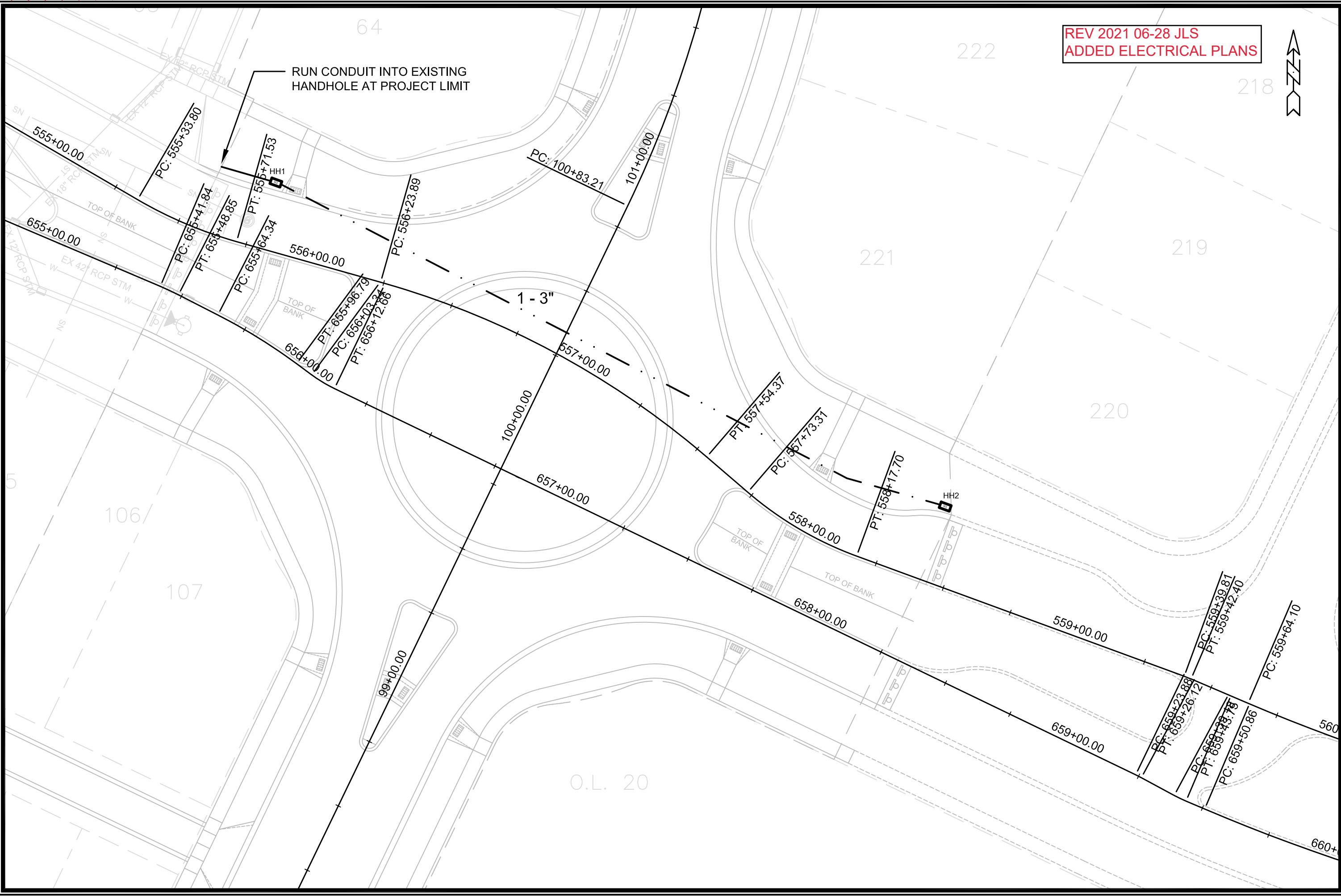
60225	FURNISH & INSTALL 3 INCH PVC (SCHEDULE 80) CONDUIT BY "OPEN TRENCH METHOD"	280	L.F.
60229	FURNISH & INSTALL 2 INCH PVC (SCHEDULE 80) CONDUIT BY "OPEN TRENCH METHOD"	112	L.F.
60702	CONSTRUCT ELECTRICAL HANDHOLE TYPE I	2	EACH
60704	CONSTRUCT ELECTRICAL HANDHOLE TYPE III	4	EACH

LEGEND

- FURNISH AND INSTALL PVC CONDUIT, (SIZE NOTED ON PLANS)
- H1 CONSTRUCT TYPE I HANDHOLE
- H3 CONSTRUCT TYPE III HANDHOLE

13293	MADISON, WI	8966	CONTRACT NO:
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13293		E-1	

REV 2021 06-28 JLS  
ADDED ELECTRICAL PLANS



RUN CONDUIT INTO EXISTING  
HANDHOLE AT PROJECT LIMIT

1 - 3"

MARK	REVISION	DATE	BY
###	###	###	###
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13293  
MADISON, WI  
8966  
CONTRACT NO:

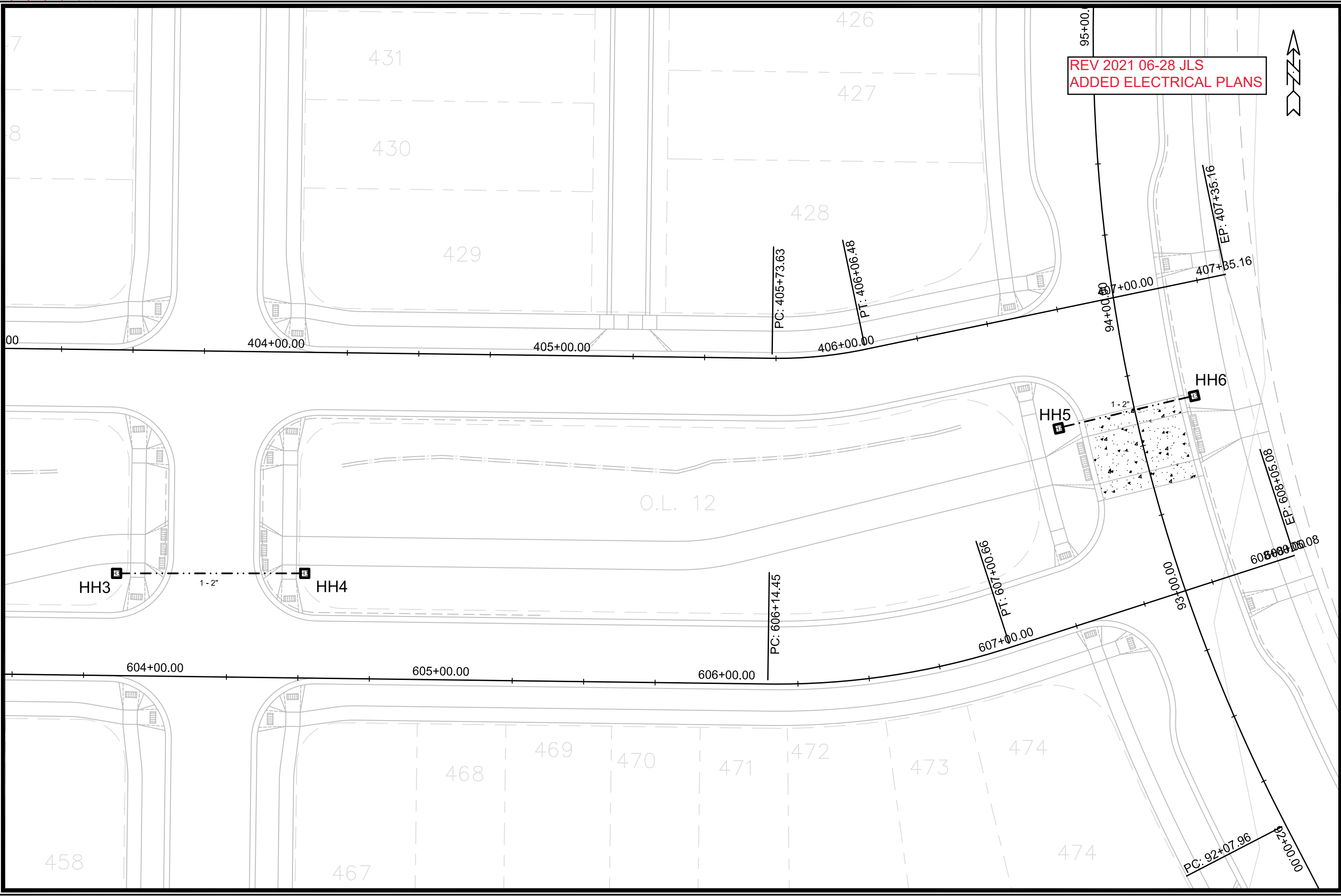
ACACIA RIDGE: PHASE 5 - ELECTRICAL PLANS  
ACACIA RIDGE: PHASE 5  
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13293  
E-2

Scale: 1" = 20'  
E-2





REV 2021 06-28 JLS  
 ADDED ELECTRICAL PLANS



MARK	REVISION	DATE	BY
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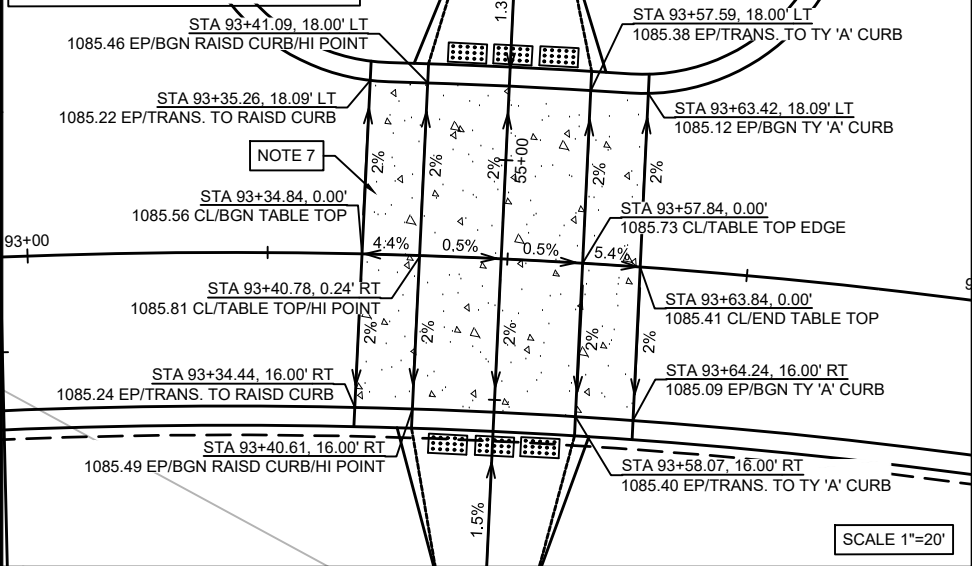
13293  
 MADISON, WI  
 CONTRACT NO: 8966

ACACIA RIDGE: PHASE 5 - ELECTRICAL PLANS  
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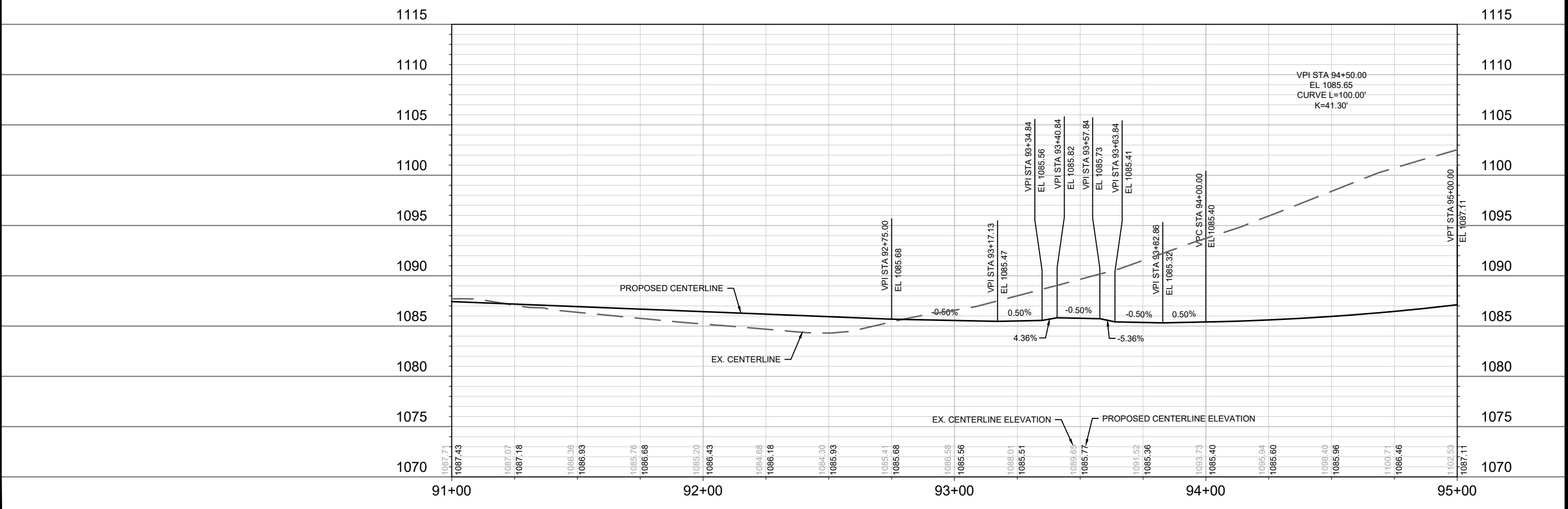
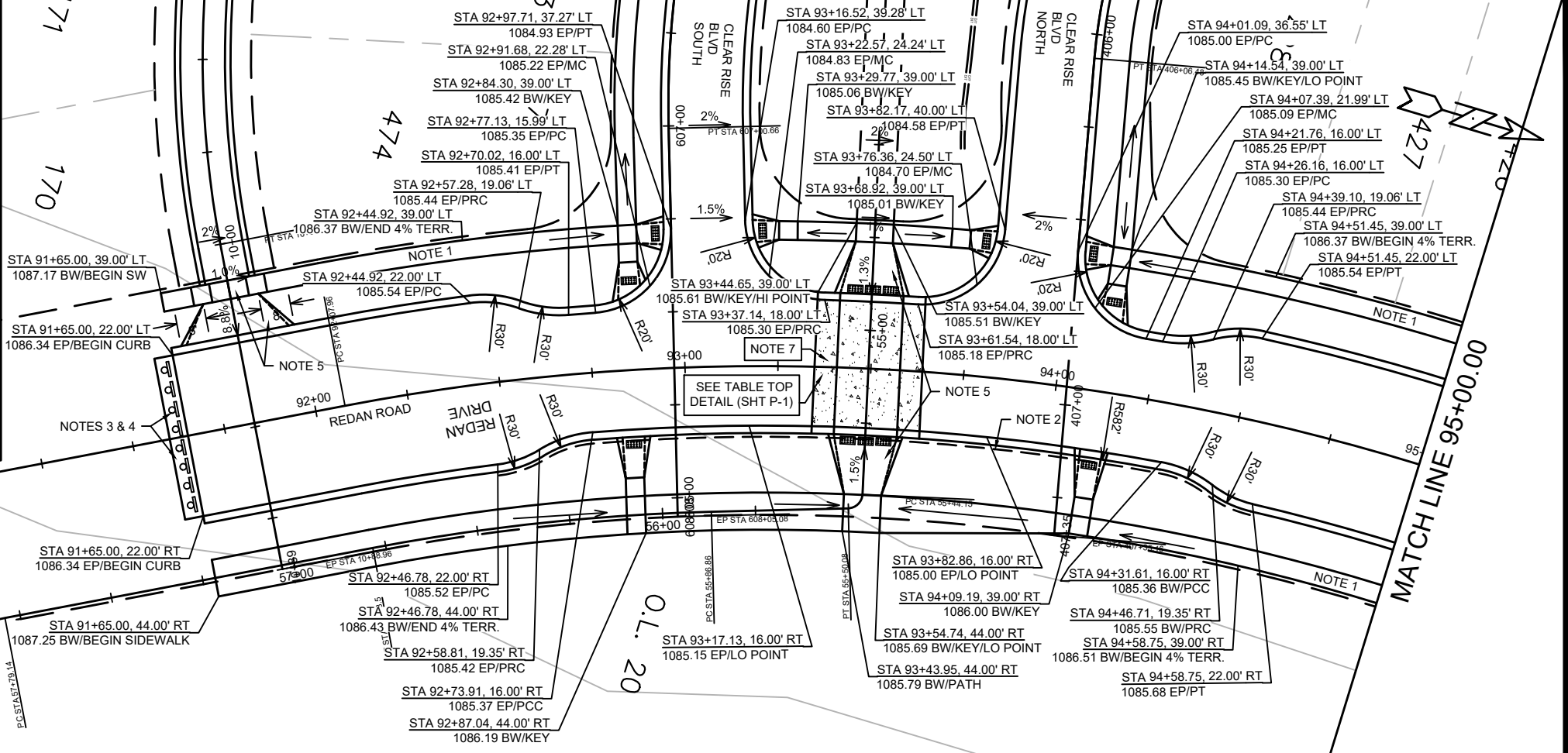


13293  
 E-3

**TABLE TOP BIKE PATH CROSSING DETAIL**



- NOTES:**
- 5' CONCRETE SIDEWALK UNDERDRAIN
  - 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
  - 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.
  - BIKE PATH RAMP PER S.D.D. 3.14
  - SEE S.D.D. 4.11 'CONCRETE SPEED HUMP RAISED GUTTER' FOR PAVEMENT THICKNESS AND STEEL REINFORCEMENT. INSTALL PER PLAN GRADES, NOT PARABOLIC SURFACE FROM DETAIL.
- = CONCRETE TABLE TOP PATH CROSSING

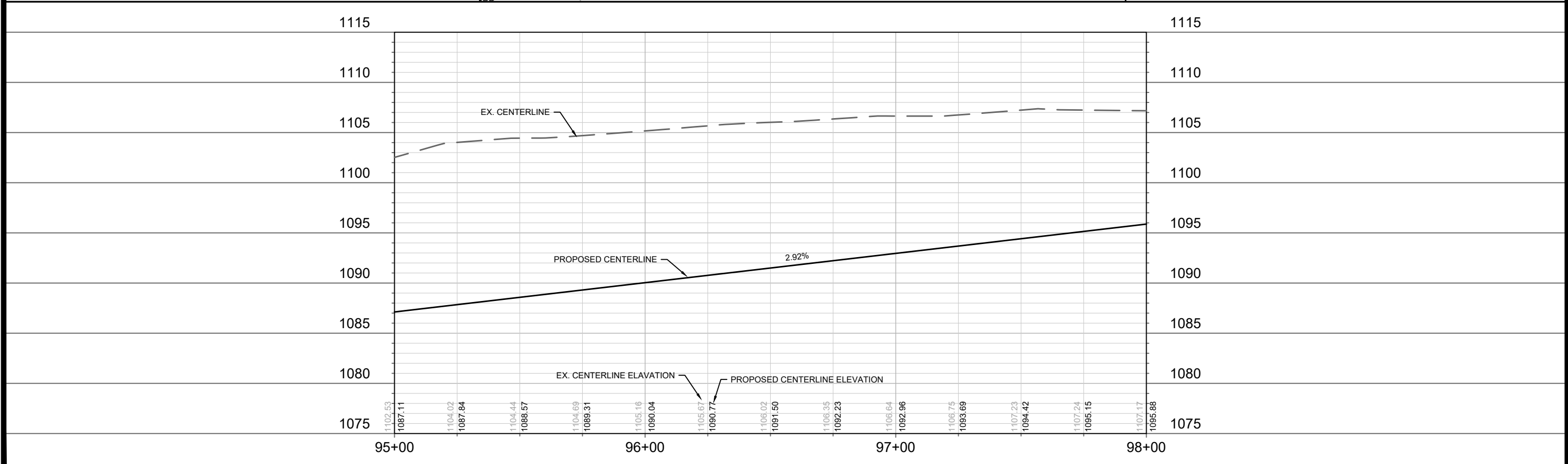
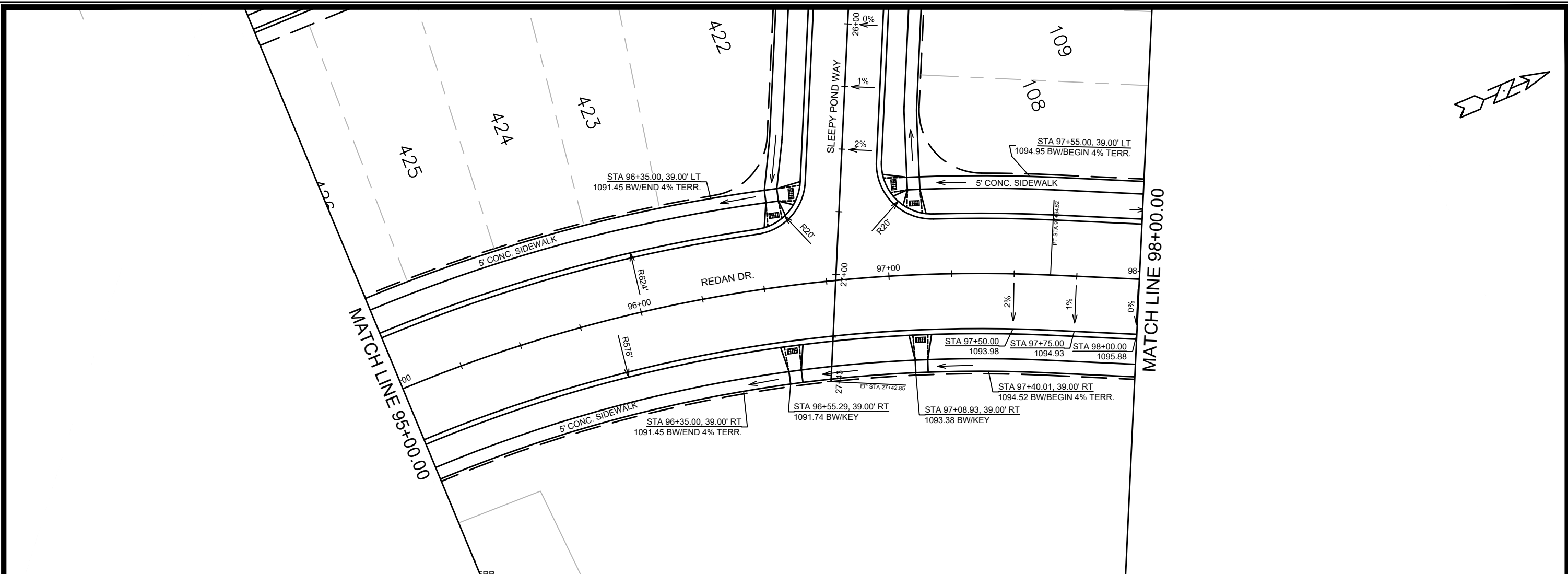


DATE	BY
REVISION	
DESIGNED BY: AJC	DATE: 4/9/2021 10:48 AM
MARK	Scale: 1" = 40'
13293	

13293  
MADISON, WI  
8966  
CONTRACT NO:

REDAN DRIVE - PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
M:\DESIGN\Projects\13293\CAD\Streets\13293EN-PnP.dwg

13293  
P-1



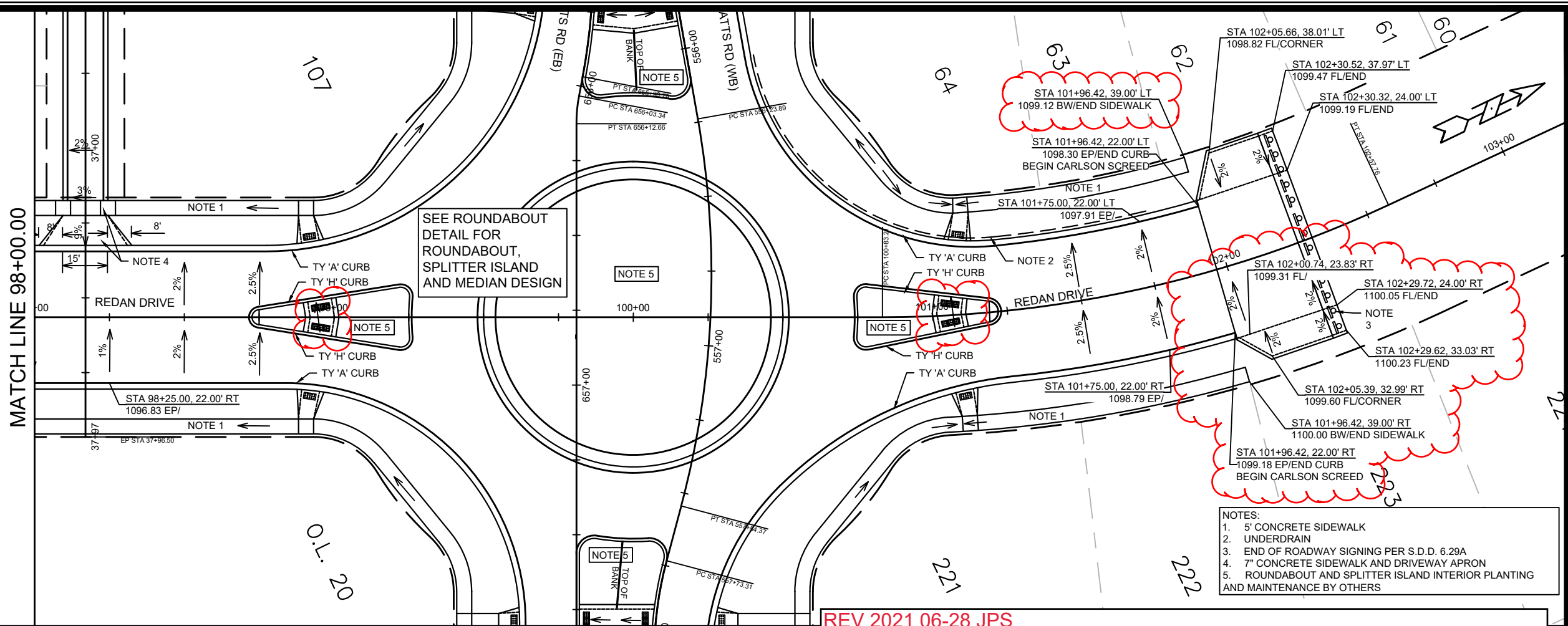
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REVISION	
Designed By: AJC	Date: 4/9/2021 10:49 AM
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MARK	
13293	
P-2	

13293  
MADISON, WI  
CONTRACT NO: 8966

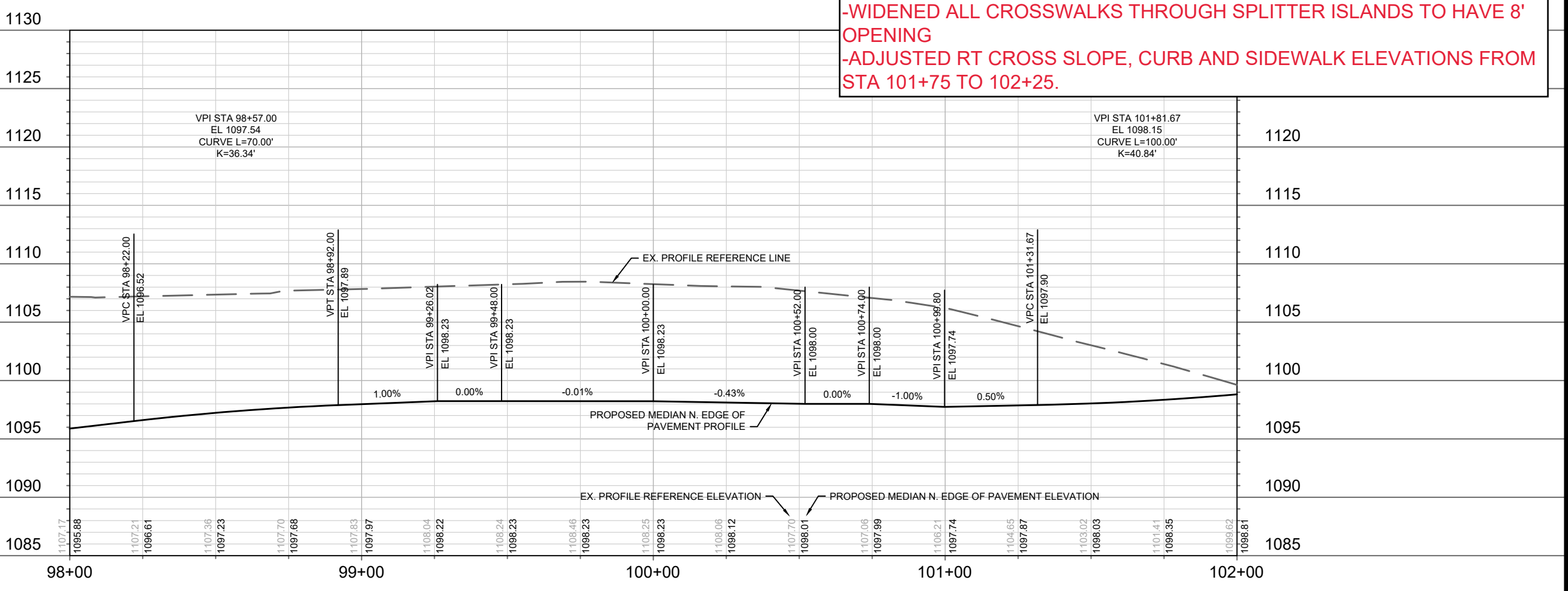
REDAN DRIVE - PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
M:\DESIGN\Projects\13293\CAD\Streets\13293EN-PrP.dwg



13293  
P-2



REV 2021 06-28 JPS  
 -WIDENED ALL CROSSWALKS THROUGH SPLITTER ISLANDS TO HAVE 8' OPENING  
 -ADJUSTED RT CROSS SLOPE, CURB AND SIDEWALK ELEVATIONS FROM STA 101+75 TO 102+25.

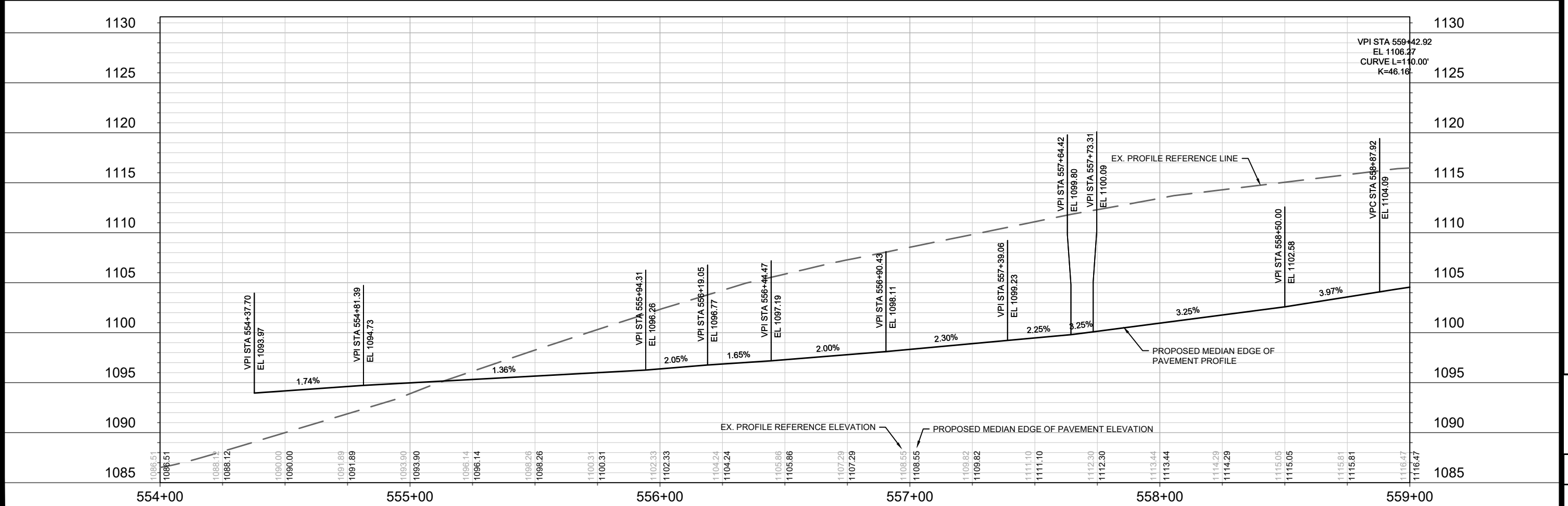
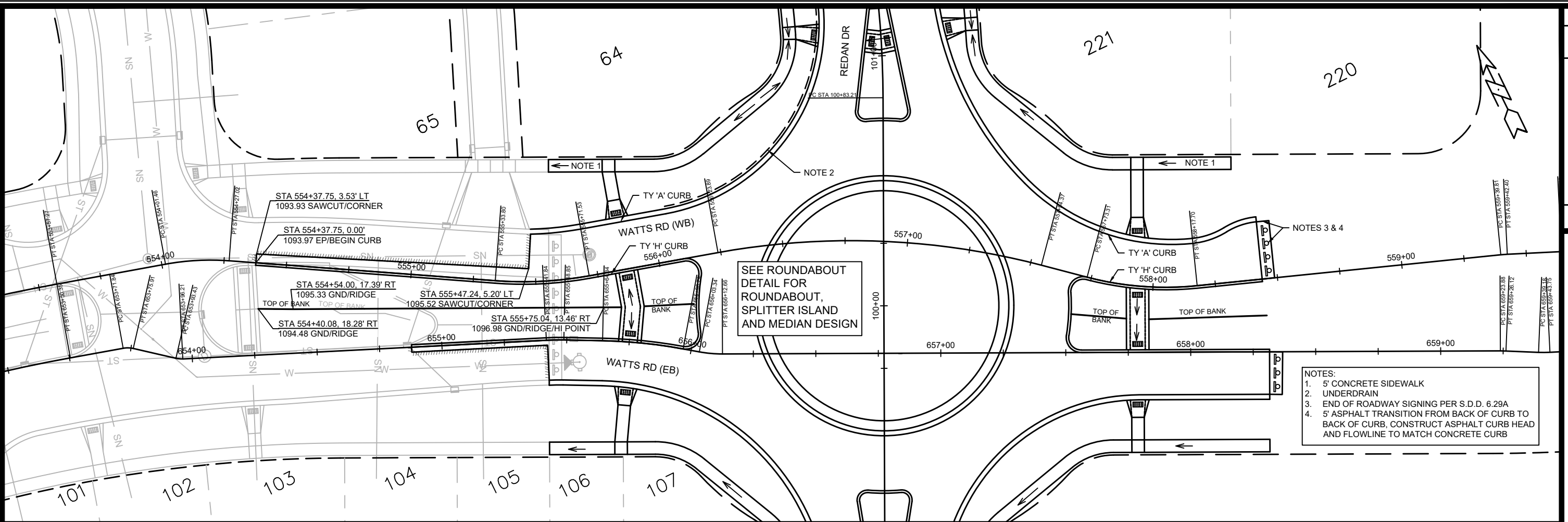



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REVISION	
MARK	
Designed By: AJC	Date: 6/29/2021 3:55 PM
Scale: 1" = 40'	
13293	P-3

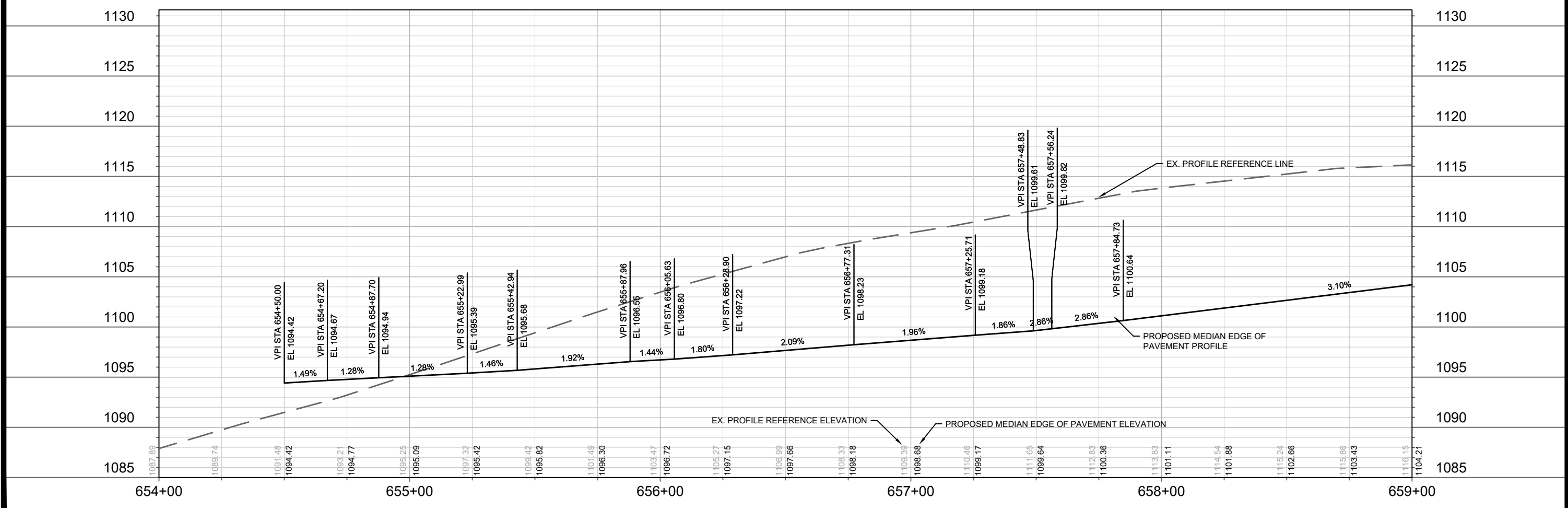
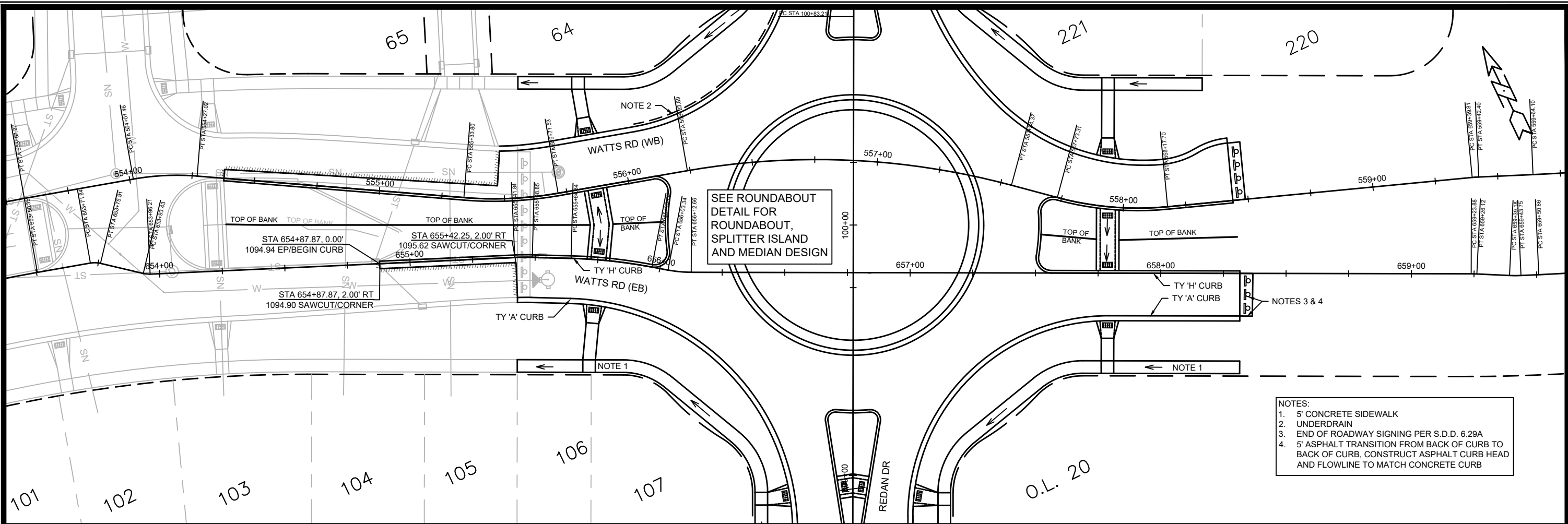
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8966  
CONTRACT NO:

REDAN DRIVE - PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
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P-3



13293	MADISON, WI	8966										
WATTS RD WESTBOUND - PLAN & PROFILE												
ACACIA RIDGE: PHASE 5												
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>DATE</td><td>BY</td></tr> <tr><td>REVISION</td><td></td></tr> <tr><td>MARK</td><td>Scale: 1" = 40'</td></tr> <tr><td>Designed By: AJC</td><td>Date: 4/9/2021 10:49 AM</td></tr> <tr><td>13293</td><td>P-4</td></tr> </table>	DATE	BY	REVISION		MARK	Scale: 1" = 40'	Designed By: AJC	Date: 4/9/2021 10:49 AM	13293	P-4	 <b>13293</b> <b>P-4</b>	<b>CONTRACT NO:</b> <b>8966</b>
DATE	BY											
REVISION												
MARK	Scale: 1" = 40'											
Designed By: AJC	Date: 4/9/2021 10:49 AM											
13293	P-4											

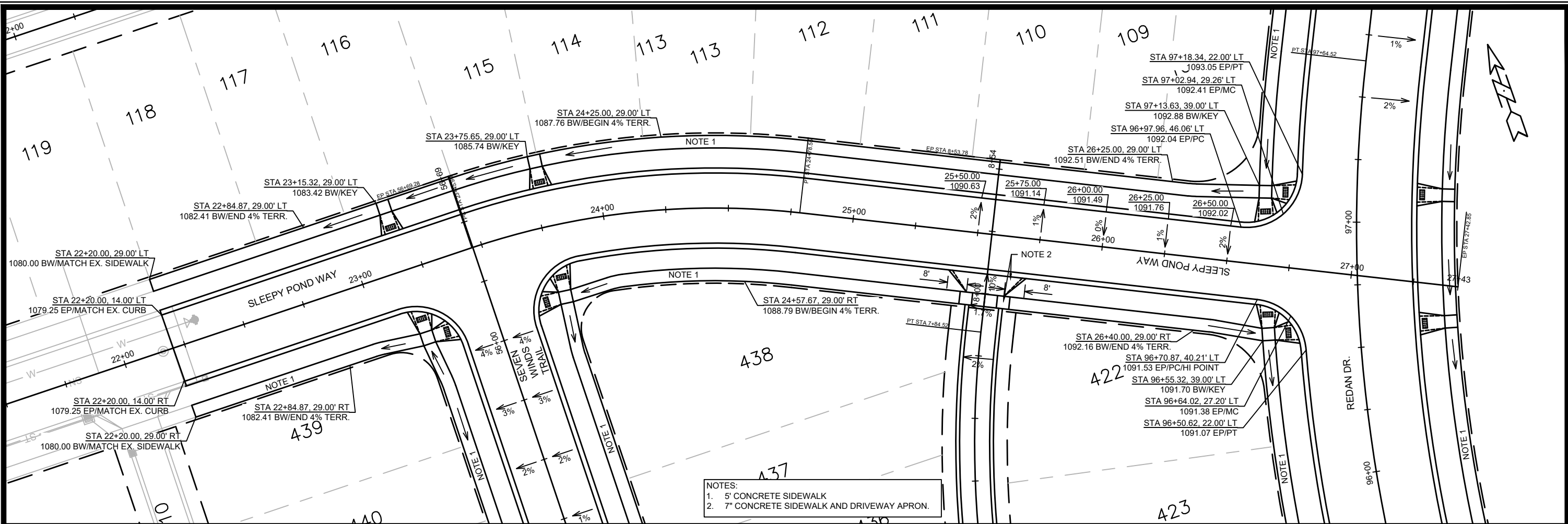


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MARK	
Designed By: AJC	Date: 4/9/2021 10:49 AM
Scale: 1" = 40'	
13293	P-5

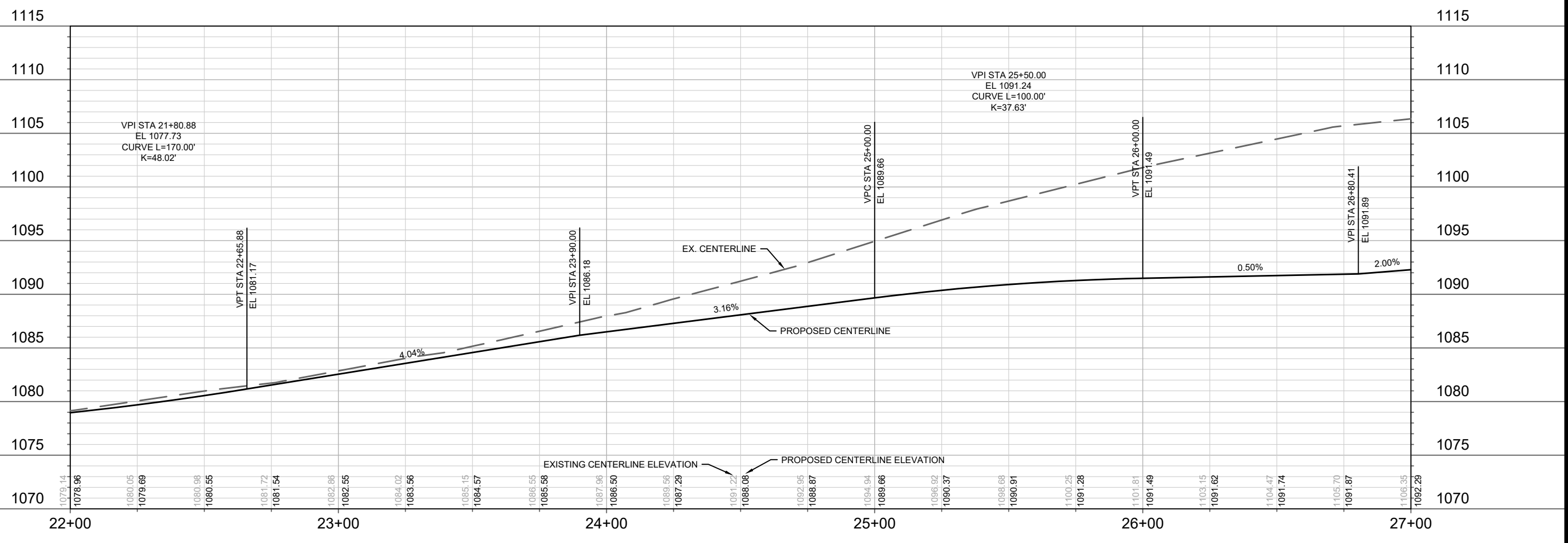
13293  
MADISON, WI  
8966  
CONTRACT NO:


WATTS RD EASTBOUND - PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
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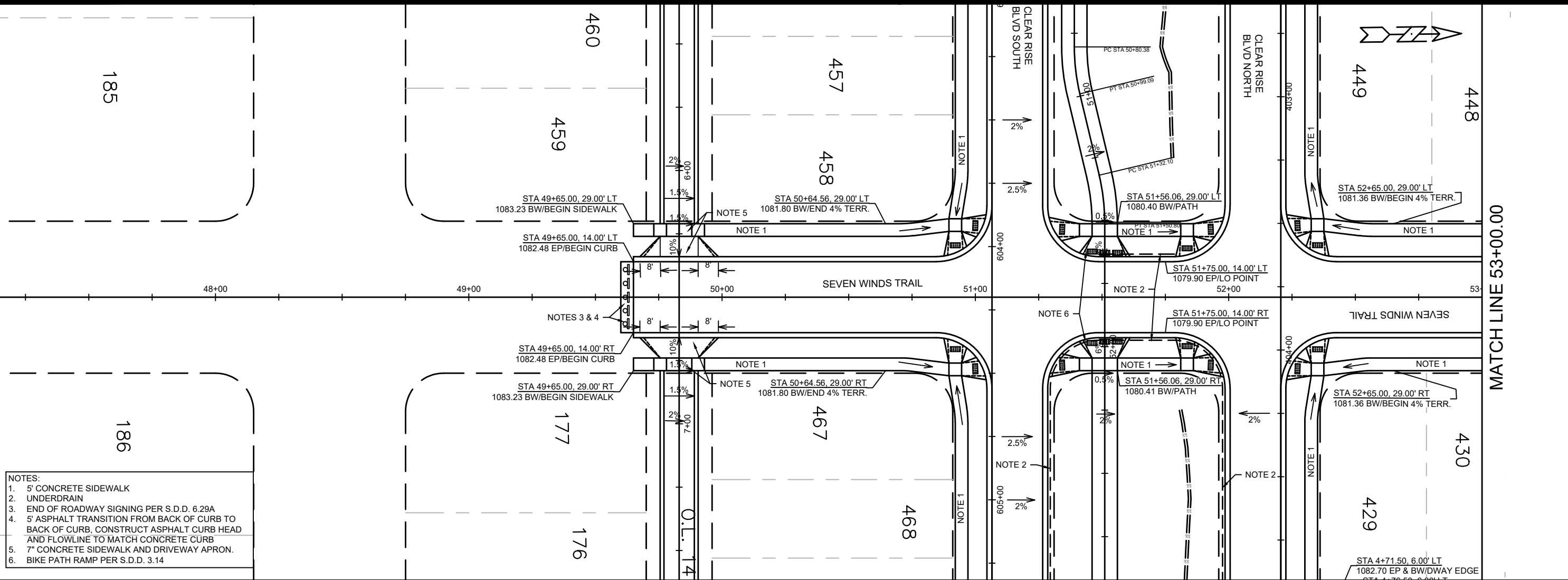
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P-5



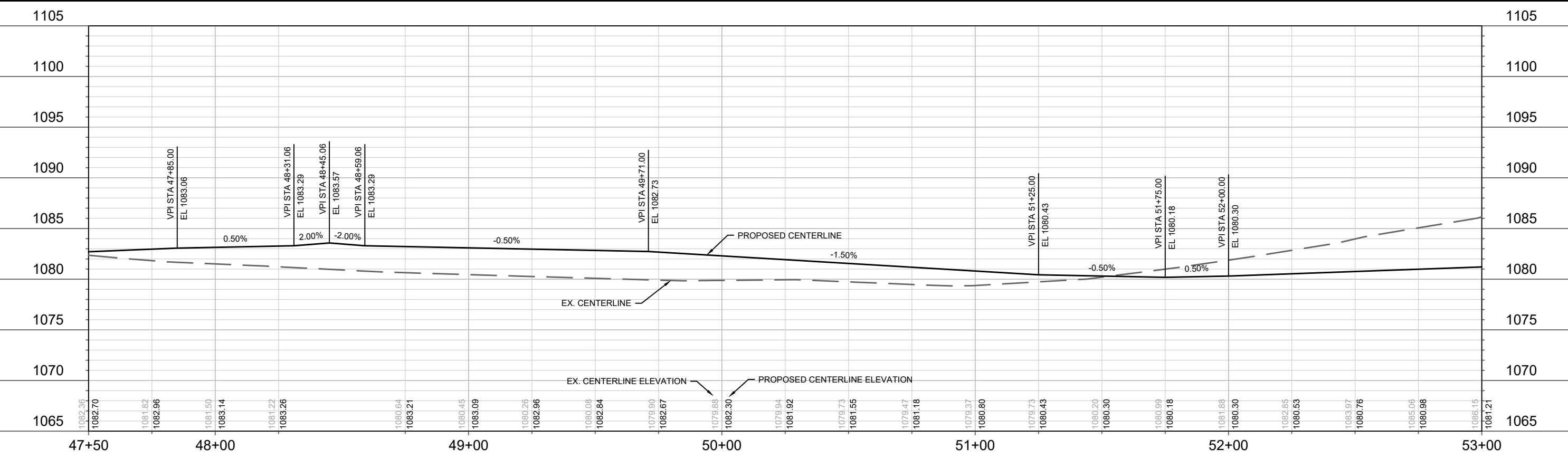
NOTES:  
 1. 5' CONCRETE SIDEWALK  
 2. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.



DATE	BY	Scale: 1" = 40'	REVISION	Contract No. 8966	P-6
M:DESIGN\Projects\13293\CAD\Streets\13293EN-PnP.dwg		13293		 13293 P-6	
SLEEPY POND WAY - PLAN & PROFILE		MADISON, WI			
ACACIA RIDGE: PHASE 5		CONTRACT NO: 8966			



- NOTES:
1. 5' CONCRETE SIDEWALK
  2. UNDERDRAIN
  3. END OF ROADWAY SIGNING PER S.D.D. 6.29A
  4. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB
  5. 7' CONCRETE SIDEWALK AND DRIVEWAY APRON.
  6. BIKE PATH RAMP PER S.D.D. 3.14



MATCH LINE 53+00.00

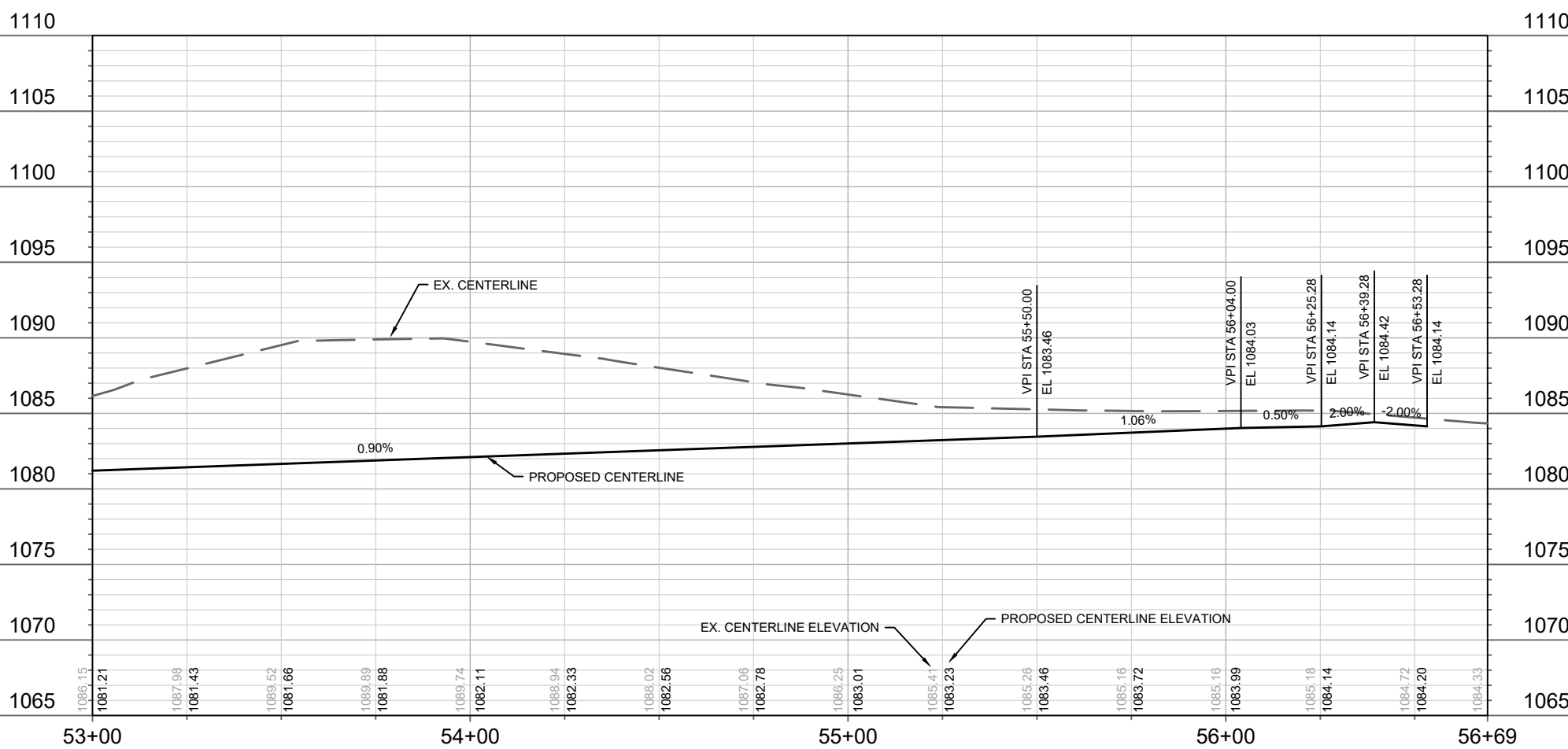
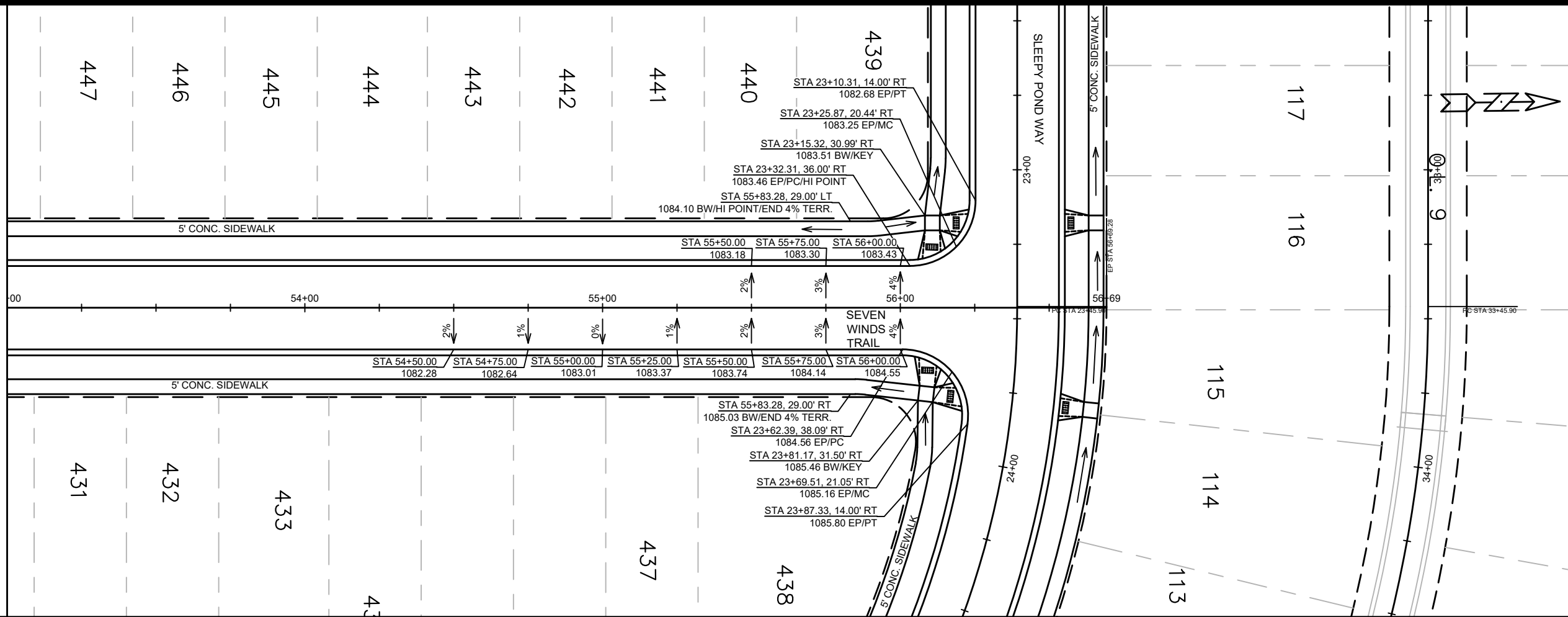
DATE	BY
REVISION	
MARK	
Designed By: AJC	Date: 4/9/2021 10:49 AM
13293	
P-7	

13293  
 MADISON, WI  
 CONTRACT NO: 8966  
 SEVEN WINDS TRAIL - PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
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MATCH LINE 53+00.00



DATE	BY
REVISION	
MARK	
Designed By: AJC	Date: 4/9/2021 10:50 AM
Scale: 1" = 40'	

13293  
 MADISON, WI  
 8966  
 CONTRACT NO:

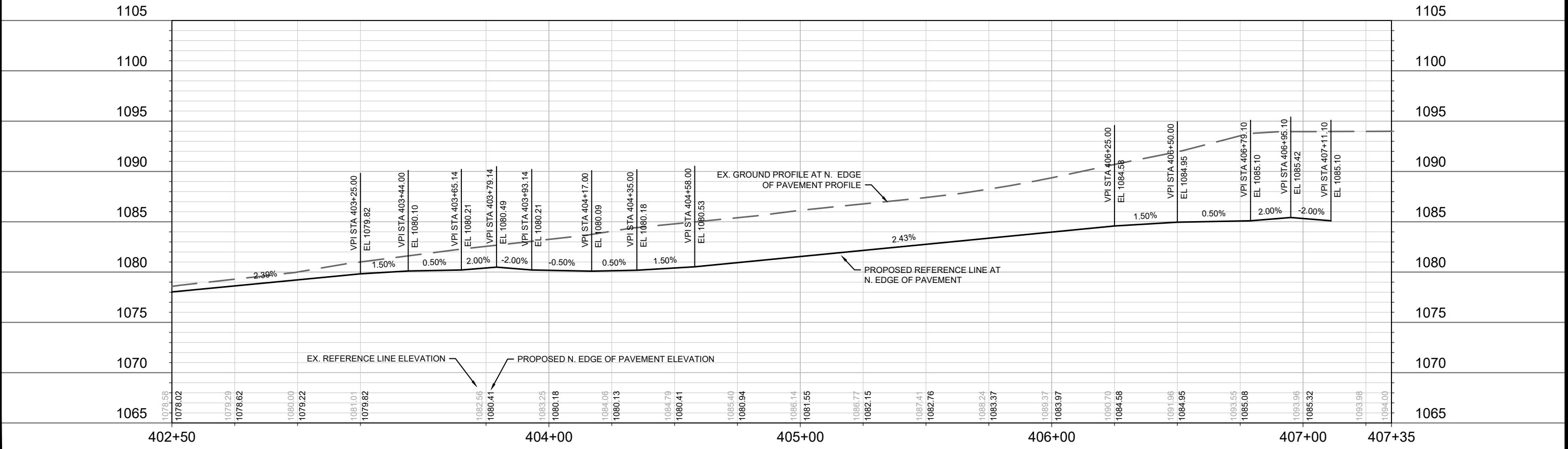
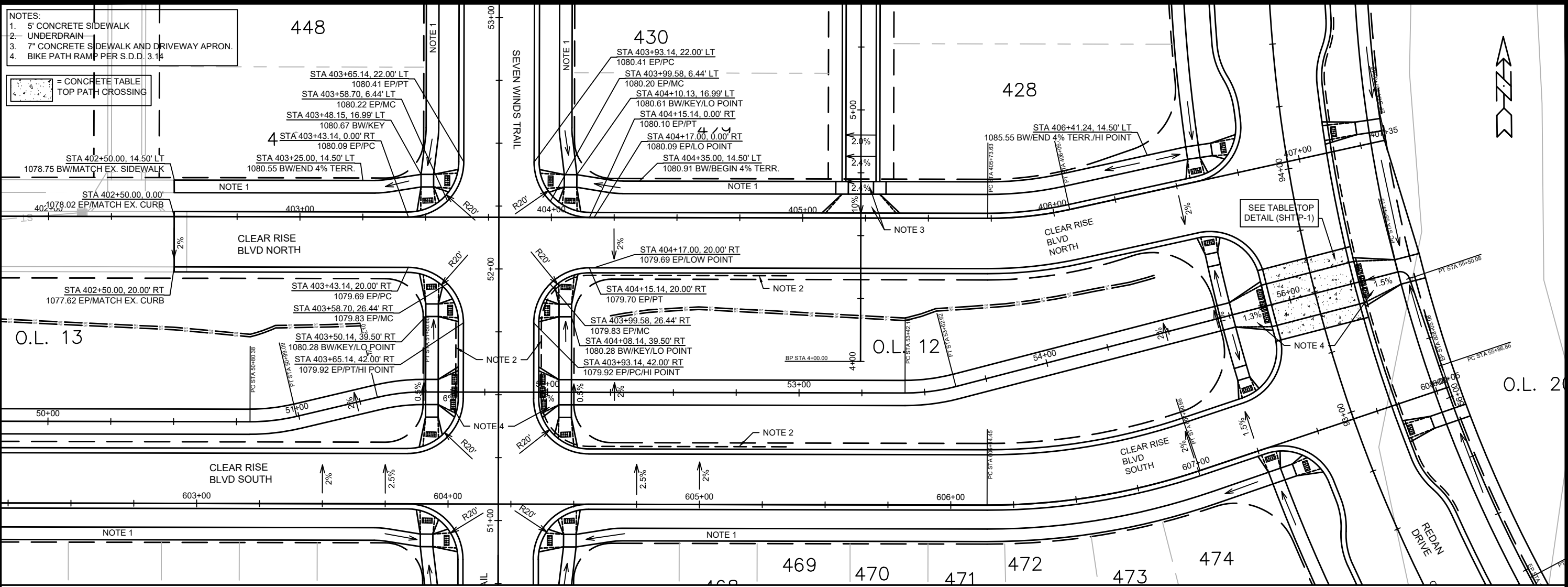
SEVEN WINDS TRAIL - PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
 M:\DESIGN\Projects\13293\CAD\Streets\13293EN-PnP.dwg



13293  
 P-8

- NOTES:  
 1. 5' CONCRETE SIDEWALK  
 2. UNDERDRAIN  
 3. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.  
 4. BIKE PATH RAMP PER S.D.D. 3.14

CONCRETE TABLE TOP PATH CROSSING

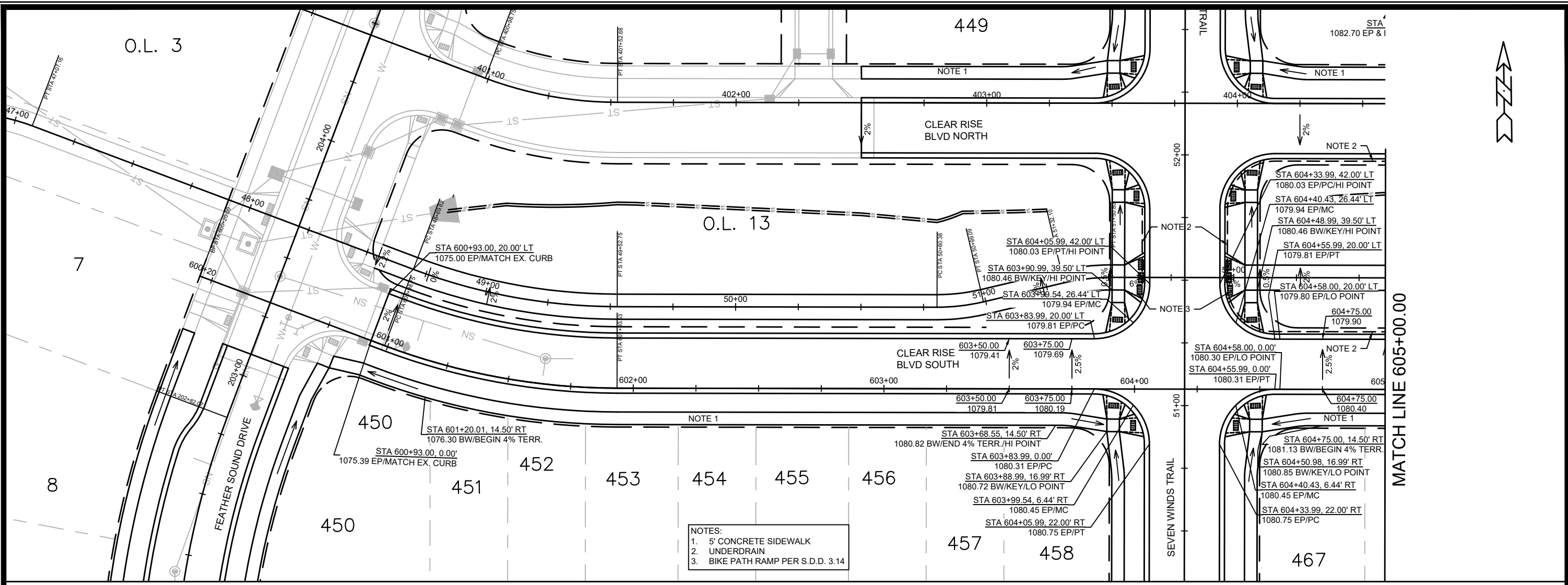


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DESIGNED BY: AUC	DATE: 4/9/2021 10:50 AM
13293	Scale: 1" = 40'

13293  
 MADISON, WI  
 CONTRACT NO: 8966

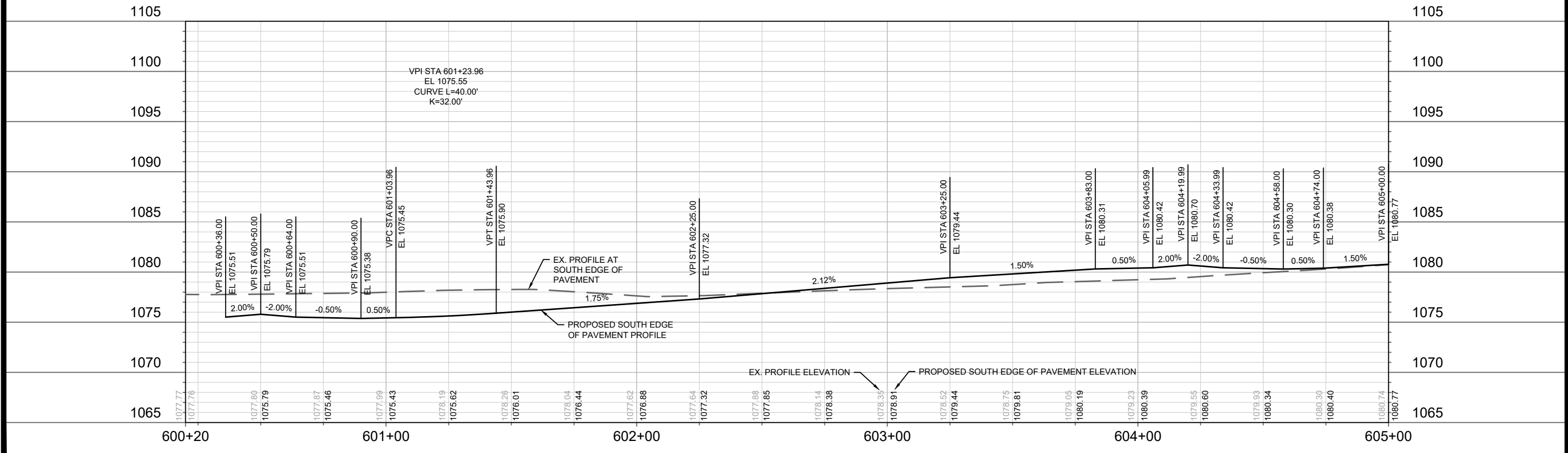
CLEAR RISE BLVD NORTH - PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
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- NOTES:
- 5' CONCRETE SIDEWALK
  - UNDERDRAIN
  - BIKE PATH RAMP PER S.D.D. 3.14

MATCH LINE 605+00.00

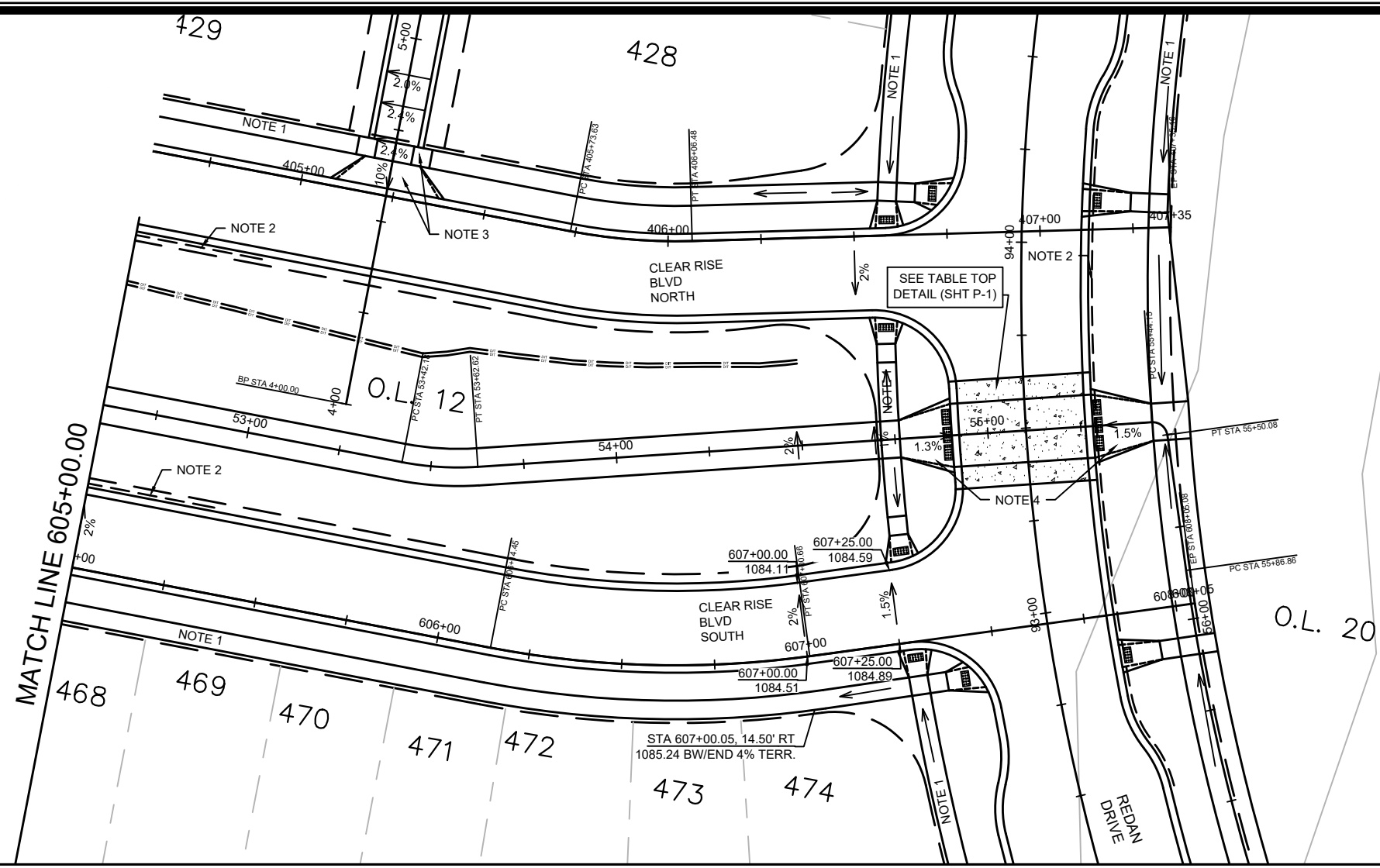


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13293  
MADISON, WI  
8966  
CONTRACT NO:

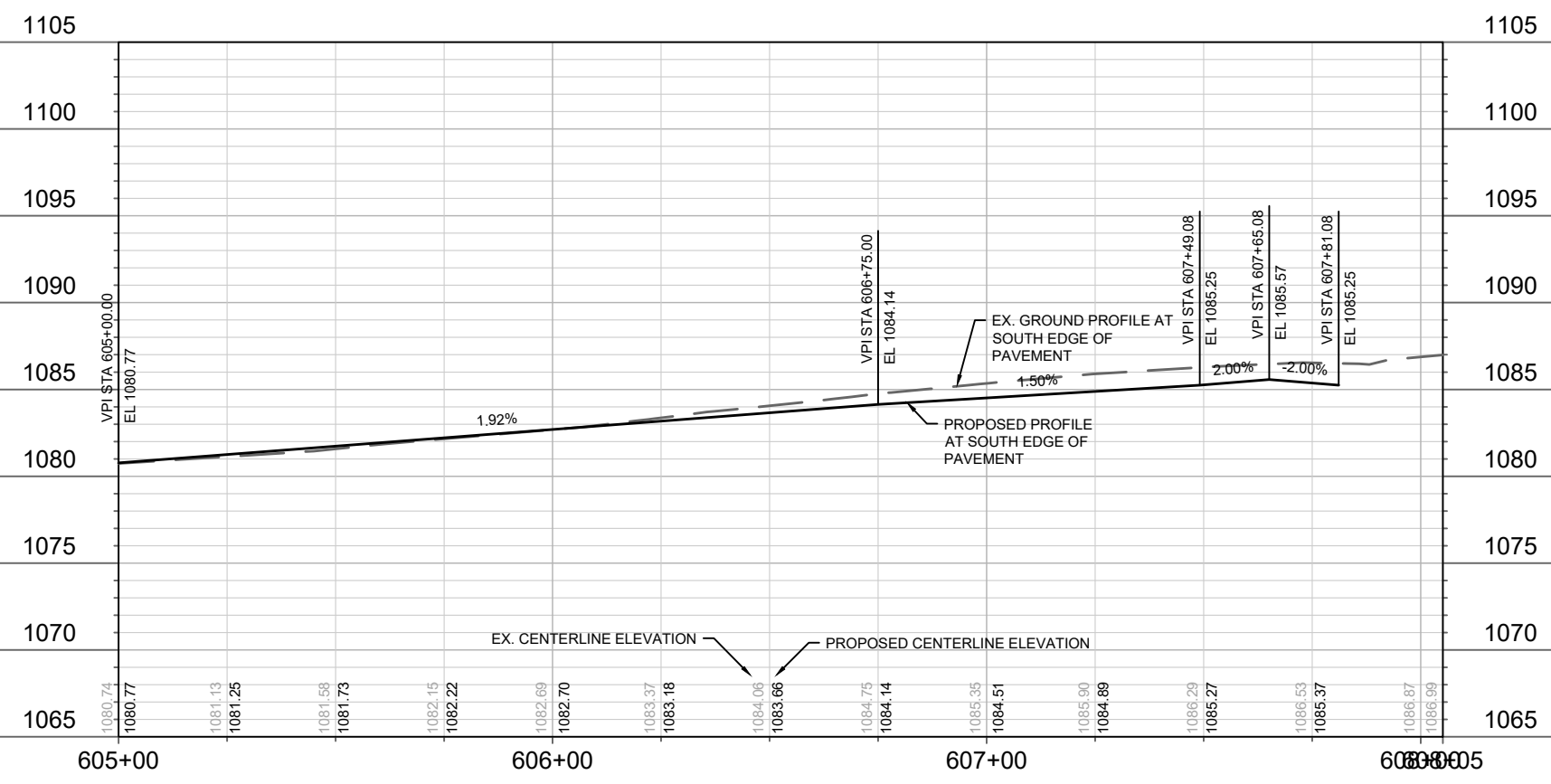
CLEAR RISE BLVD SOUTH - PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
M:\DESIGN\Projects\13293\CAD\Streets\13293EN-PnP.dwg





= CONCRETE TABLE TOP PATH CROSSING

- NOTES:
1. 5' CONCRETE SIDEWALK
  2. UNDERDRAIN
  3. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.
  4. BIKE PATH RAMP PER S.D.D. 3.14

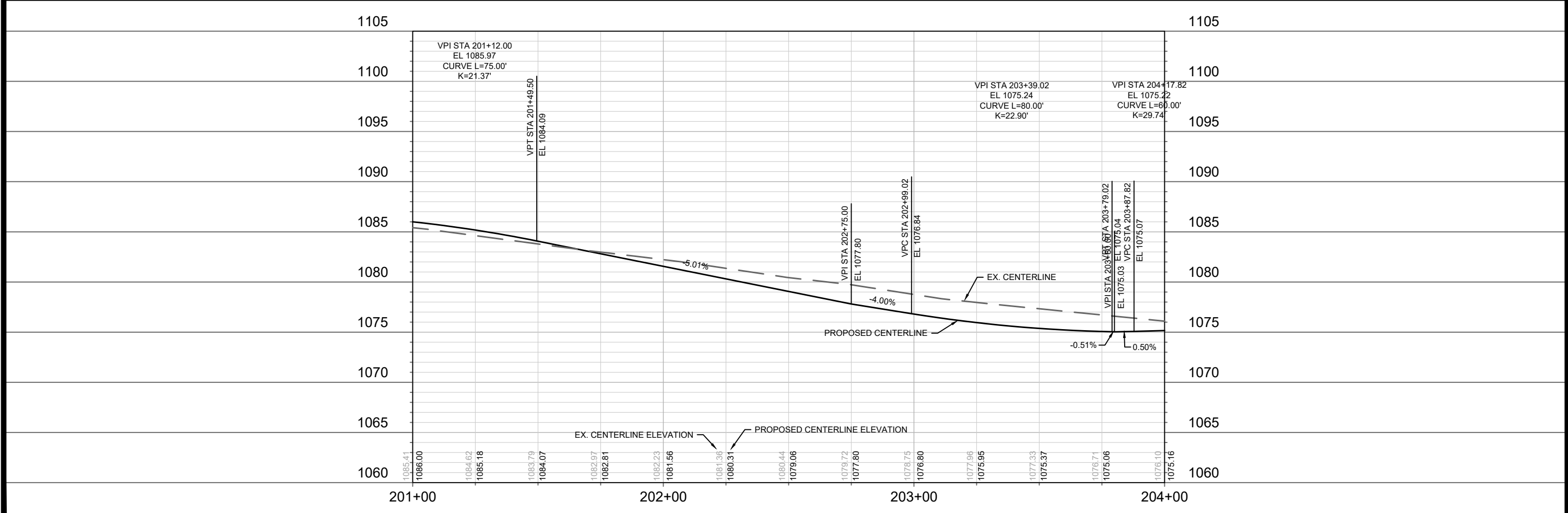
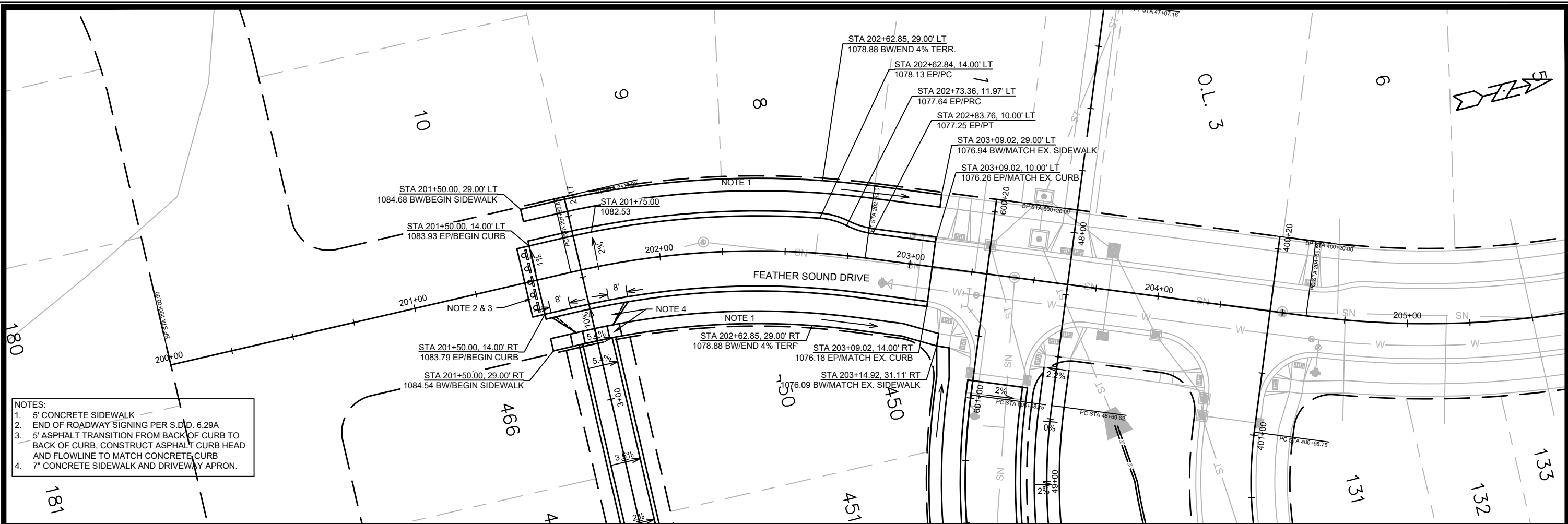


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13293  
MADISON, WI  
CONTRACT NO: 8966



13293  
P-11



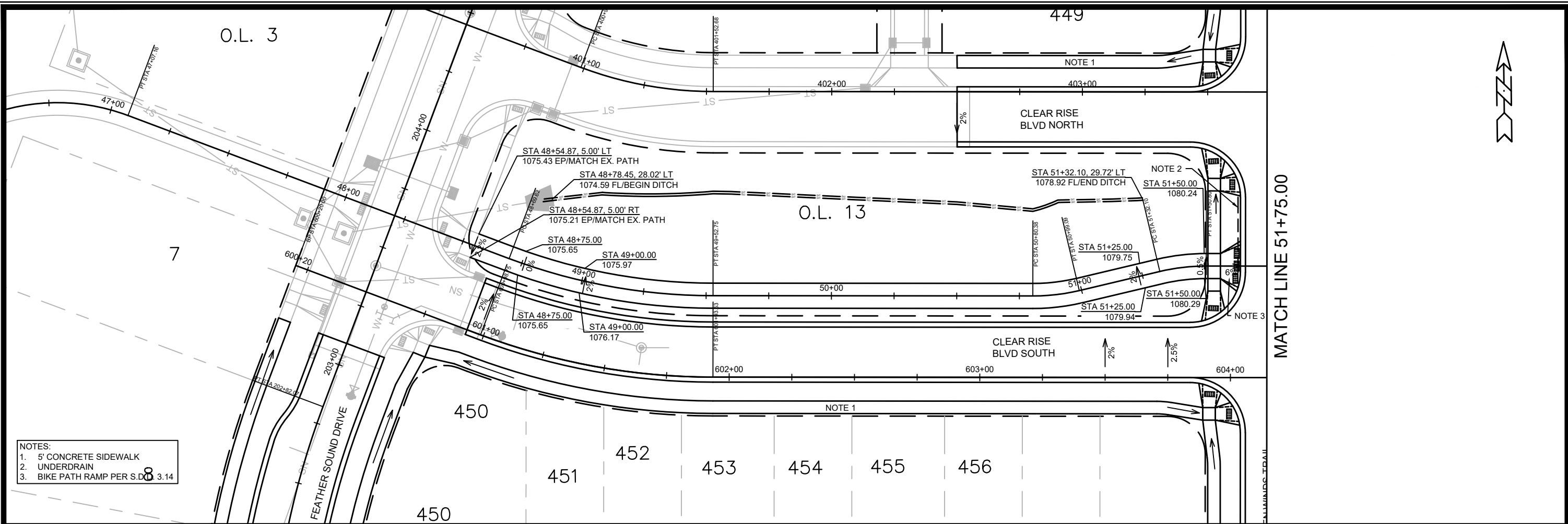
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REVISION	
DESIGNED BY: AJC	DATE: 4/9/2021 10:50 AM
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Scale:	1" = 40'
P-12	

13293  
MADISON, WI  
8966  
CONTRACT NO:

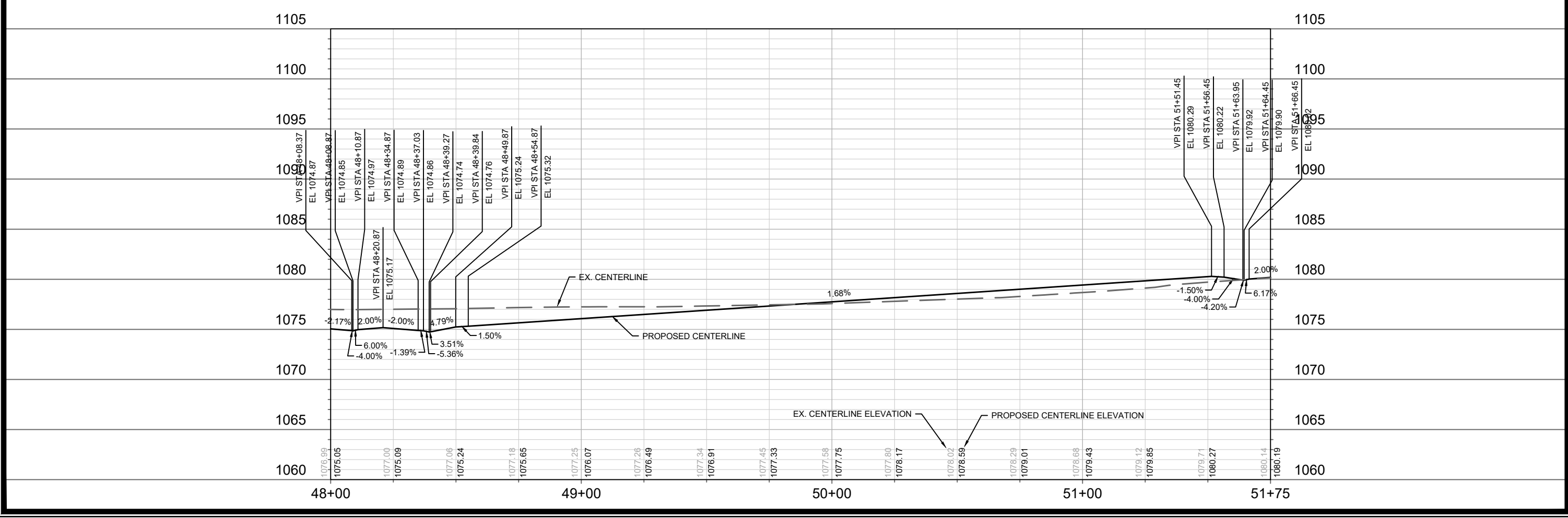
FEATHER SOUND DRIVE - PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
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13293  
P-12

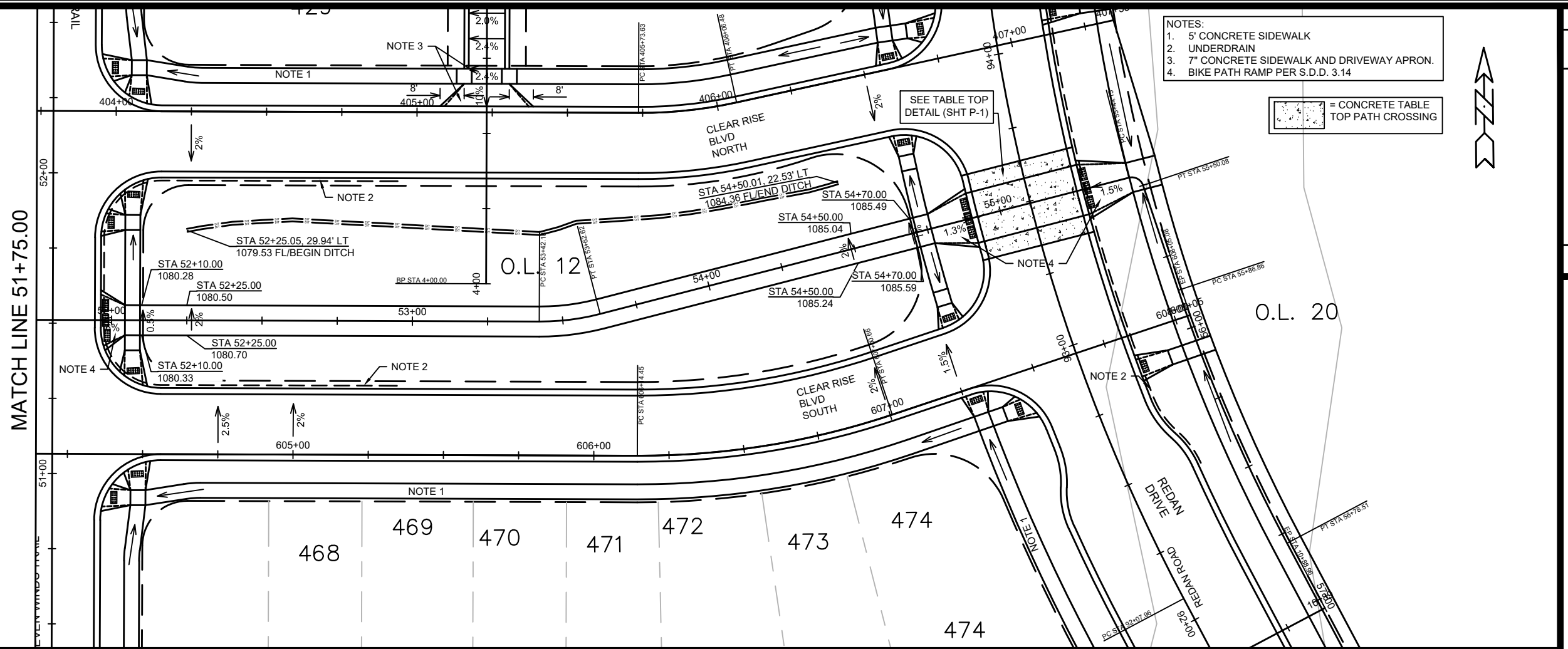


- NOTES:
- 5' CONCRETE SIDEWALK
  - UNDERDRAIN
  - BIKE PATH RAMP PER S.D. 8.3.14

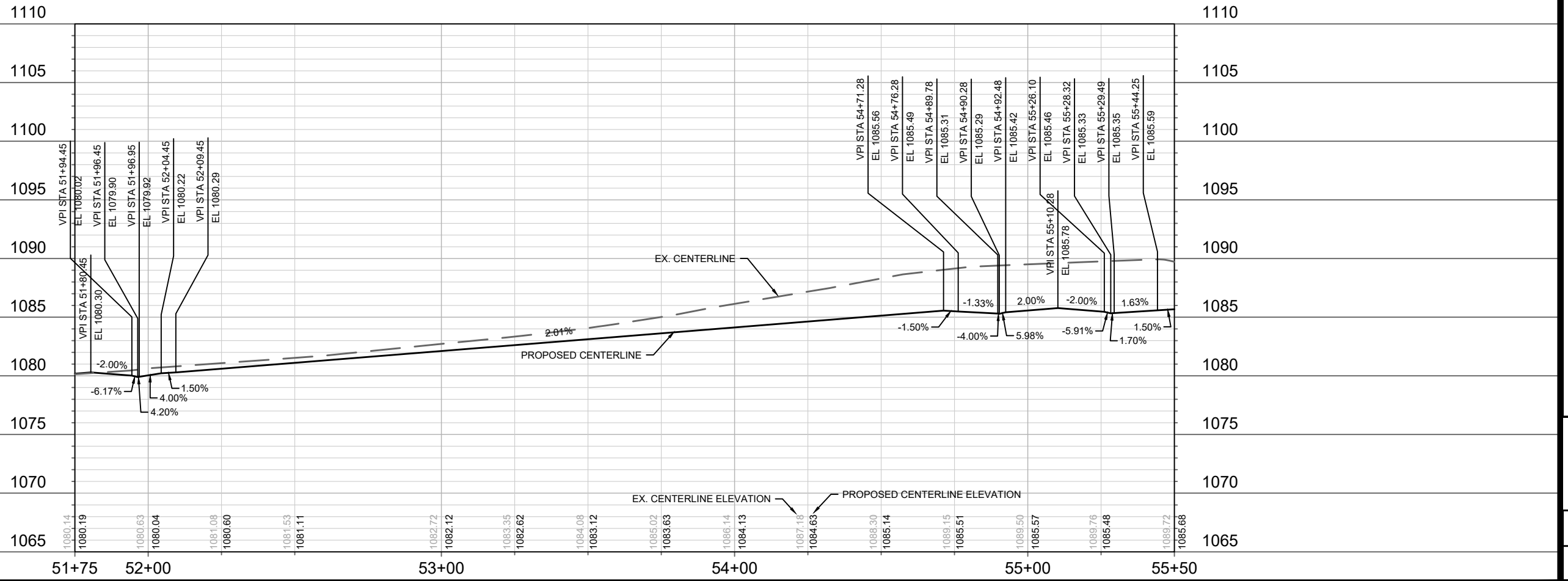
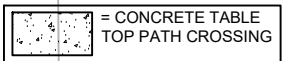


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MADISON, WI	CONTRACT NO:		
ACACIA BIKE PATH - PLAN & PROFILE			
ACACIA RIDGE: PHASE 5			
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13293			
P-13			

MATCH LINE 51+75.00



- NOTES:
- 1. 5' CONCRETE SIDEWALK
  - 2. UNDERDRAIN
  - 3. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.
  - 4. BIKE PATH RAMP PER S.D.D. 3.14



MARK	REVISION	DATE	BY

Designed By: AJC	Date: 4/9/2021 10:51 AM	Scale: 1" = 40'

13293	8966

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ACACIA BIKE PATH - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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13293

P-14

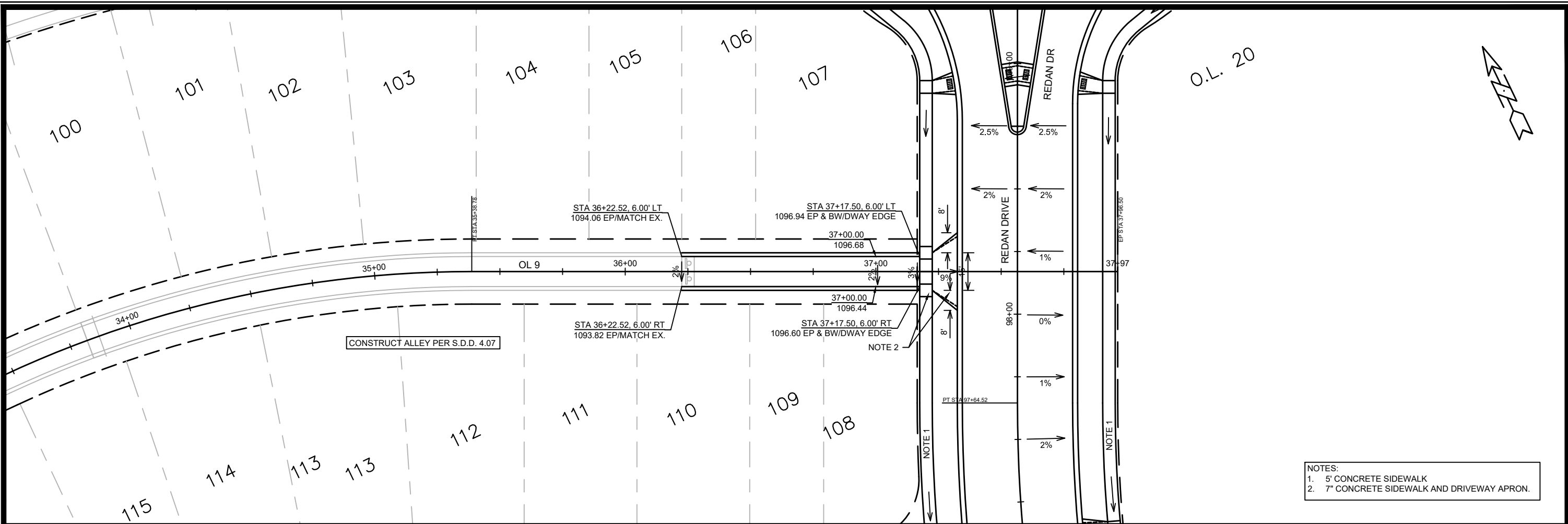
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MADISON, WI

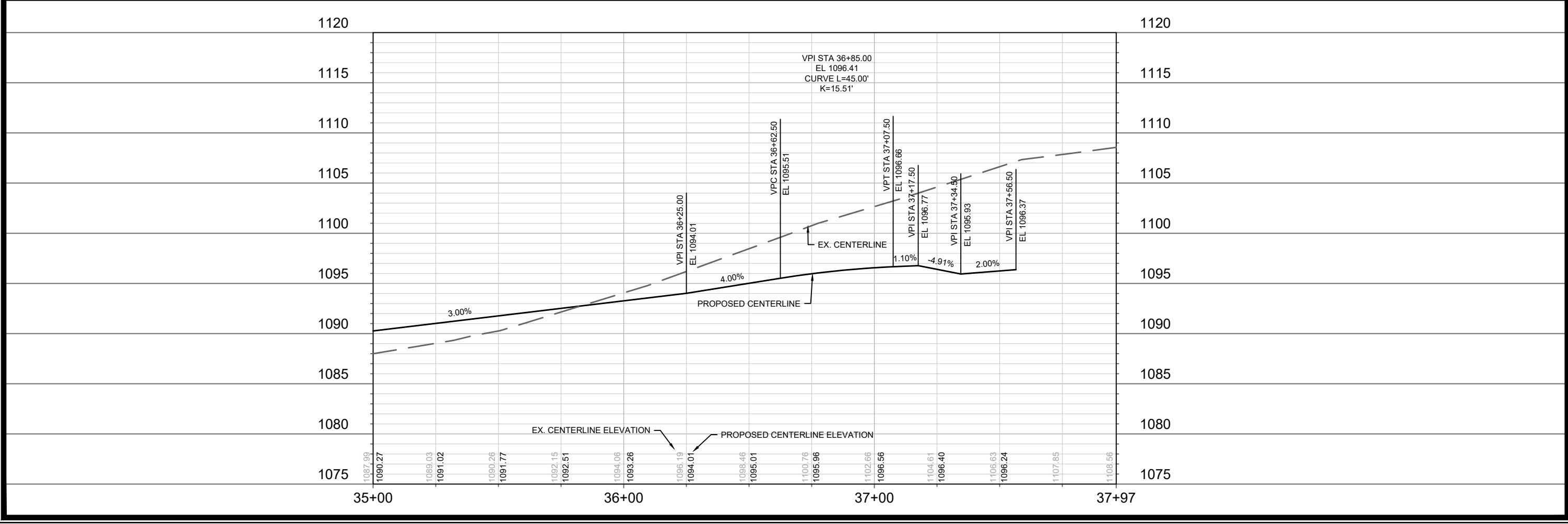
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P-14



NOTES:  
 1. 5' CONCRETE SIDEWALK  
 2. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.



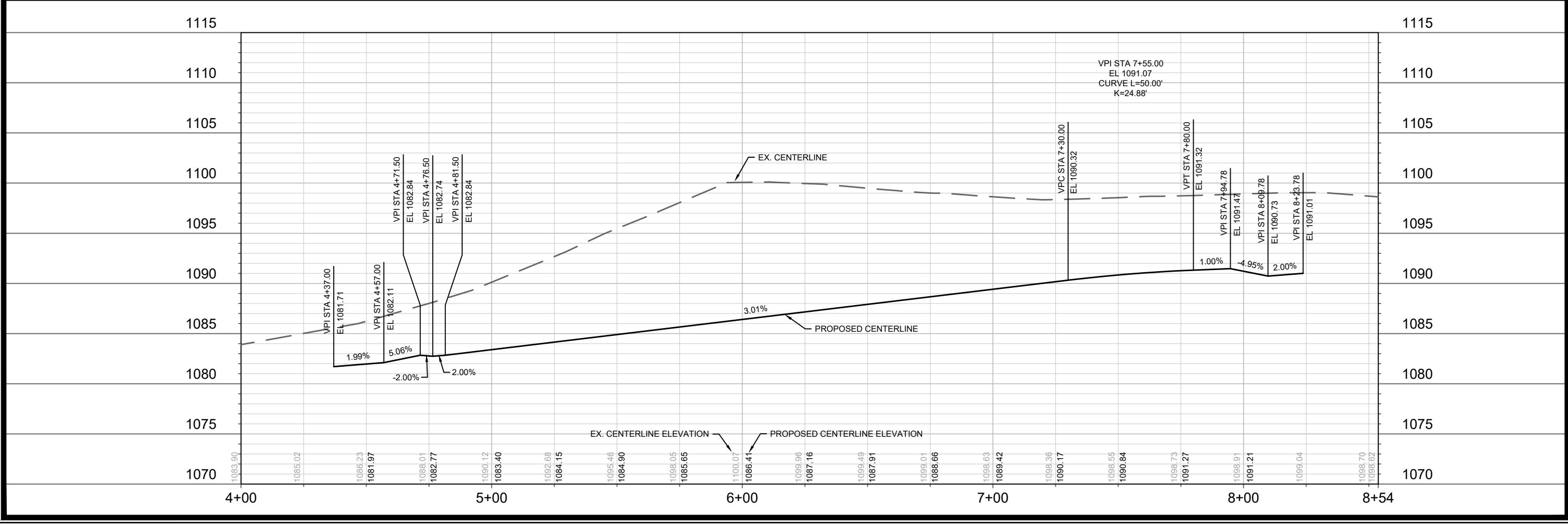
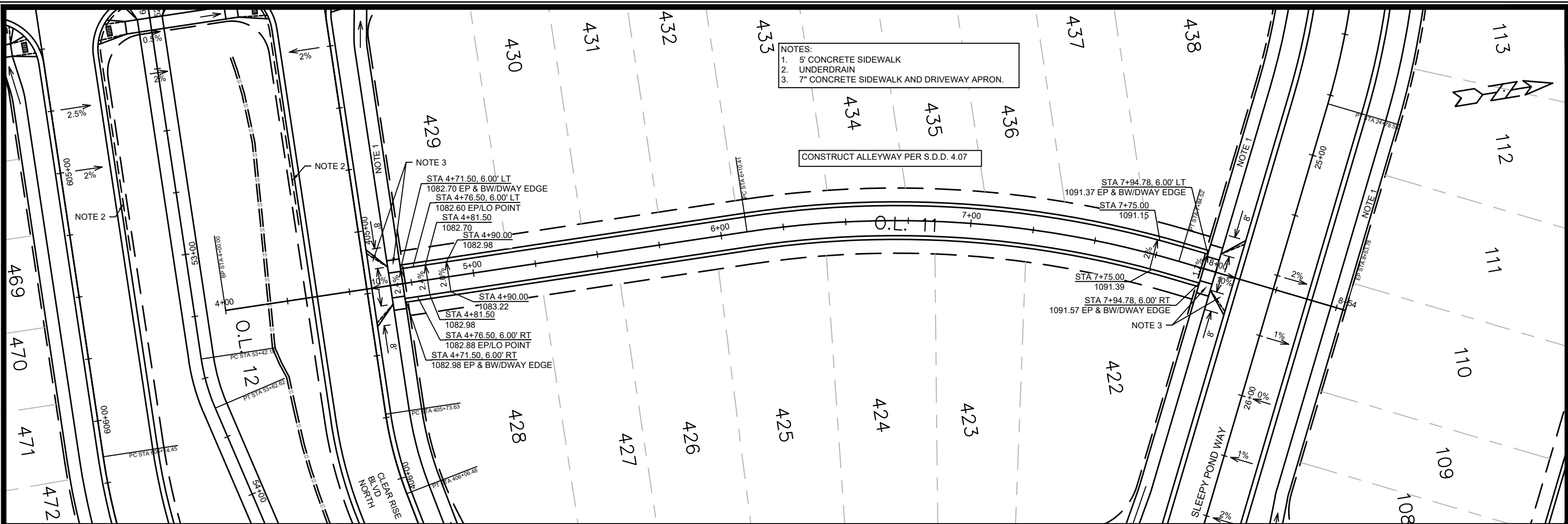
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13293  
 MADISON, WI  
 CONTRACT NO: 8966

OUTLOT 19 - PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
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13293  
 P-15



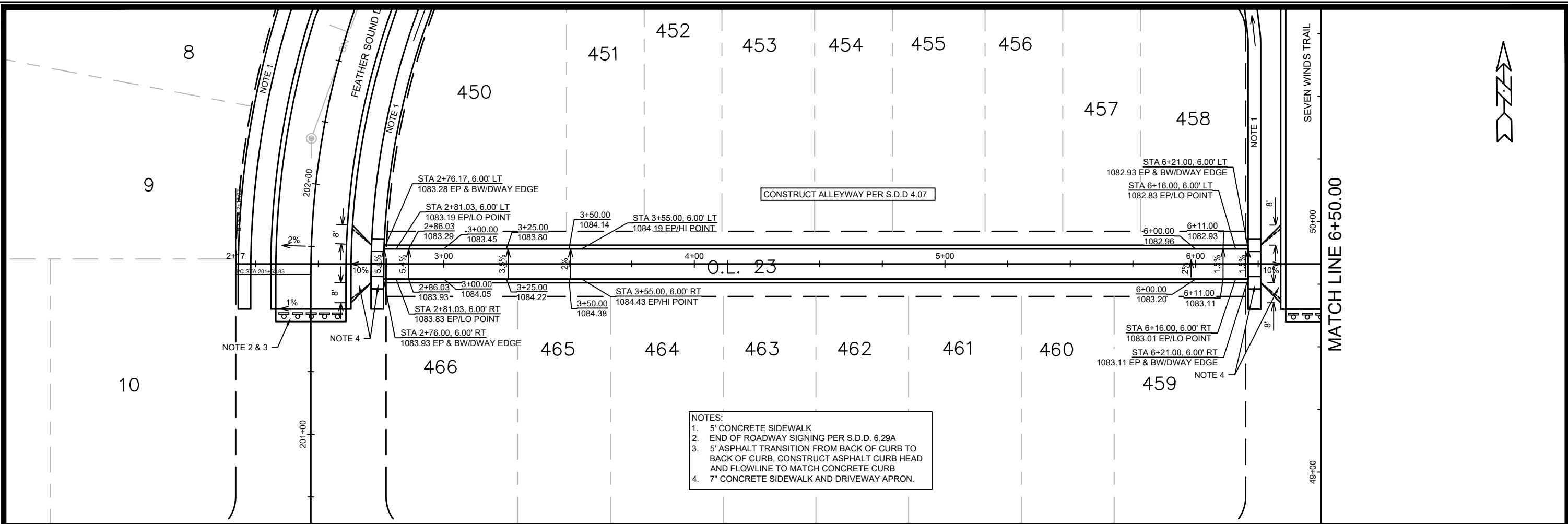


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MARK	Scale: 1" = 40'
Designed By: AUC	Date: 4/9/2021 10:51 AM
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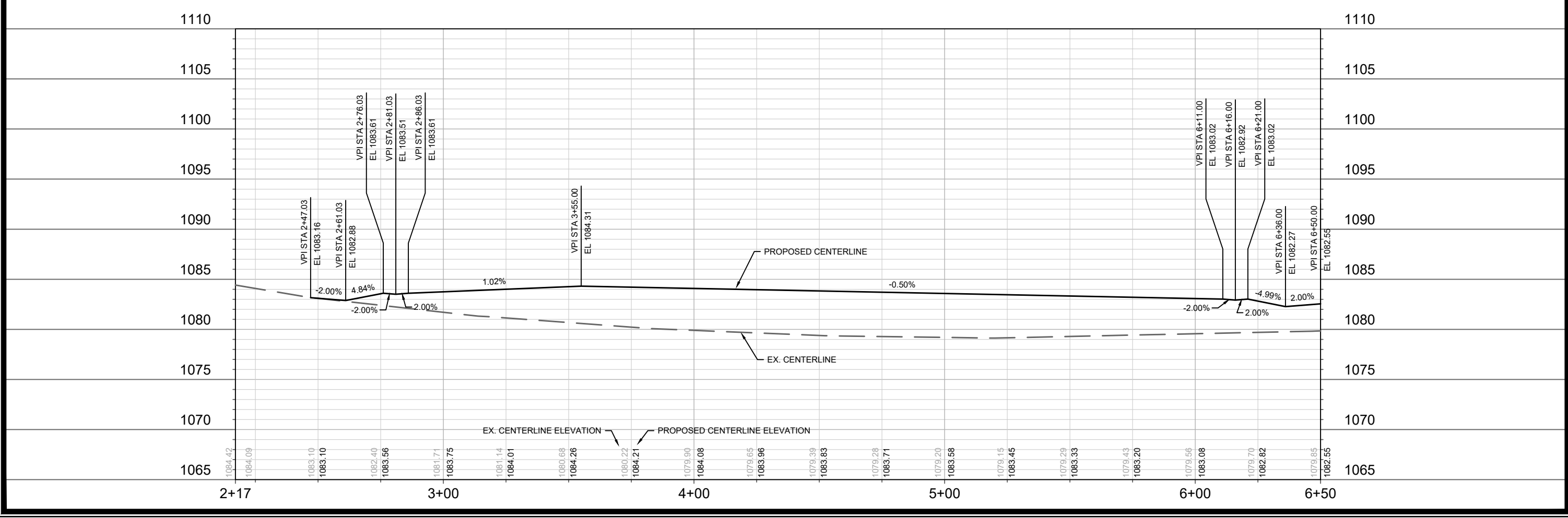
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 MADISON, WI  
 8966  
 CONTRACT NO:

OUTLOT 11 - PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
 M:\DESIGN\Projects\13293\CAD\Streets\13293EN-PnP.dwg

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 P-16



- NOTES:
- 5' CONCRETE SIDEWALK
  - 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
  - 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.



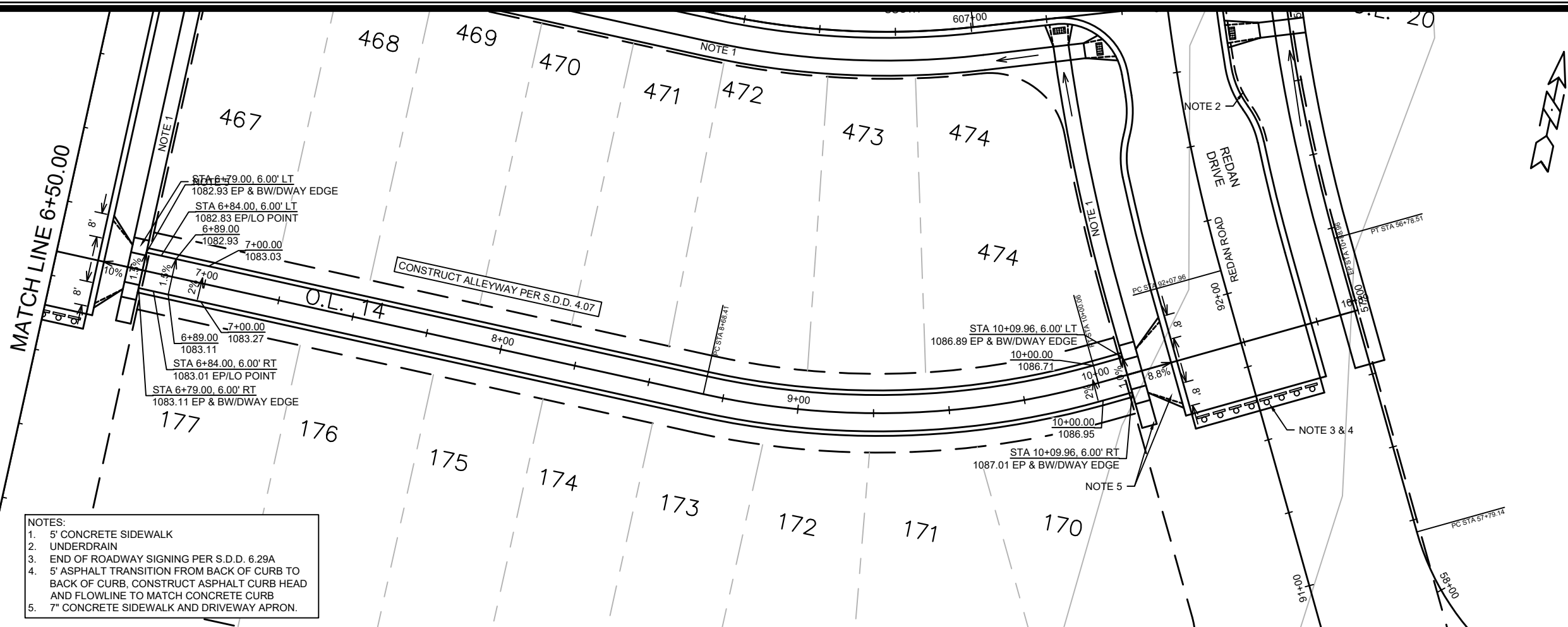
MARK	REVISION	DATE	BY

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 MADISON, WI  
 CONTRACT NO: 8966

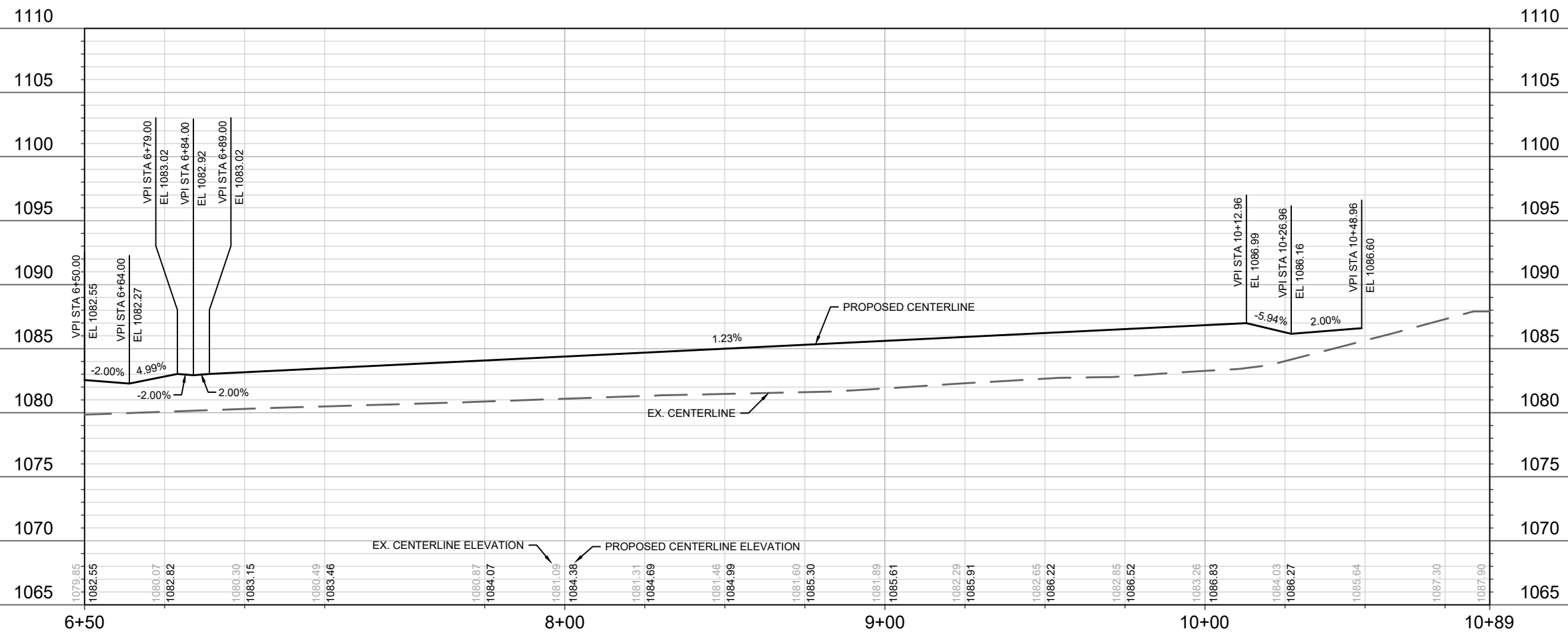
OUTLOT 23 & 14 - PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
 M:\DESIGN\Projects\13293\CAD\Streets\13293EN-PnP.dwg



13293  
 P-17



- NOTES:
- 5' CONCRETE SIDEWALK
  - UNDERDRAIN
  - 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
  - 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.

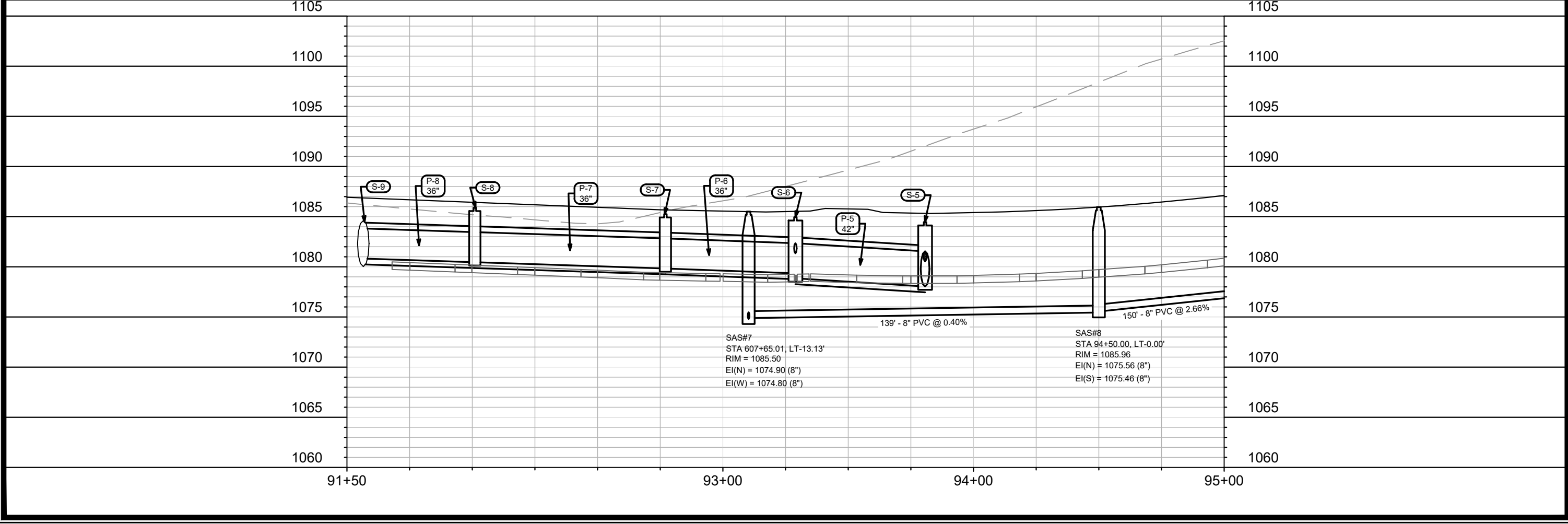
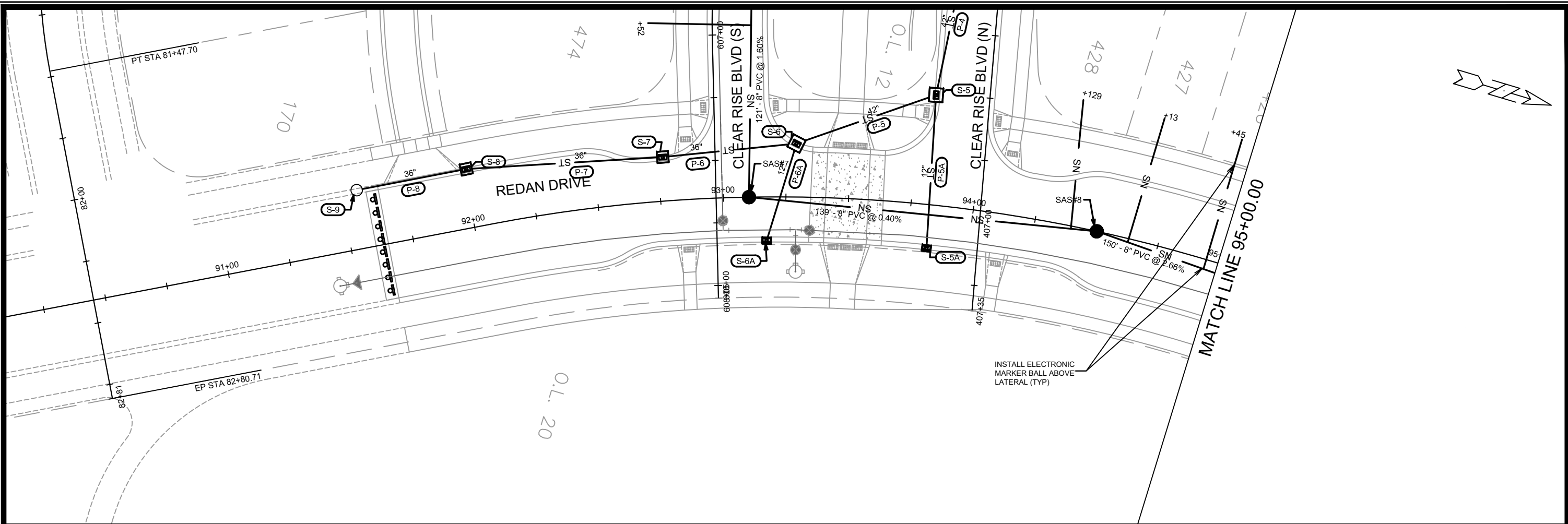


MARK	REVISION	DATE	BY

13293  
MADISON, WI  
8966  
CONTRACT NO:

OUTLOT 23 & 14 - PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
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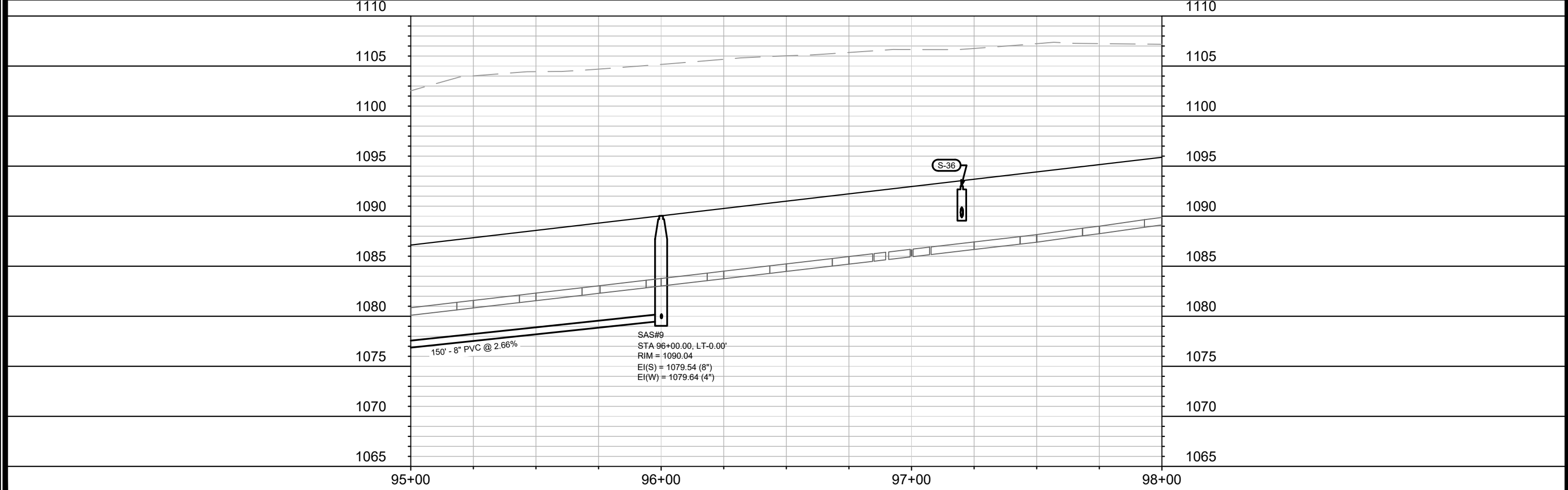
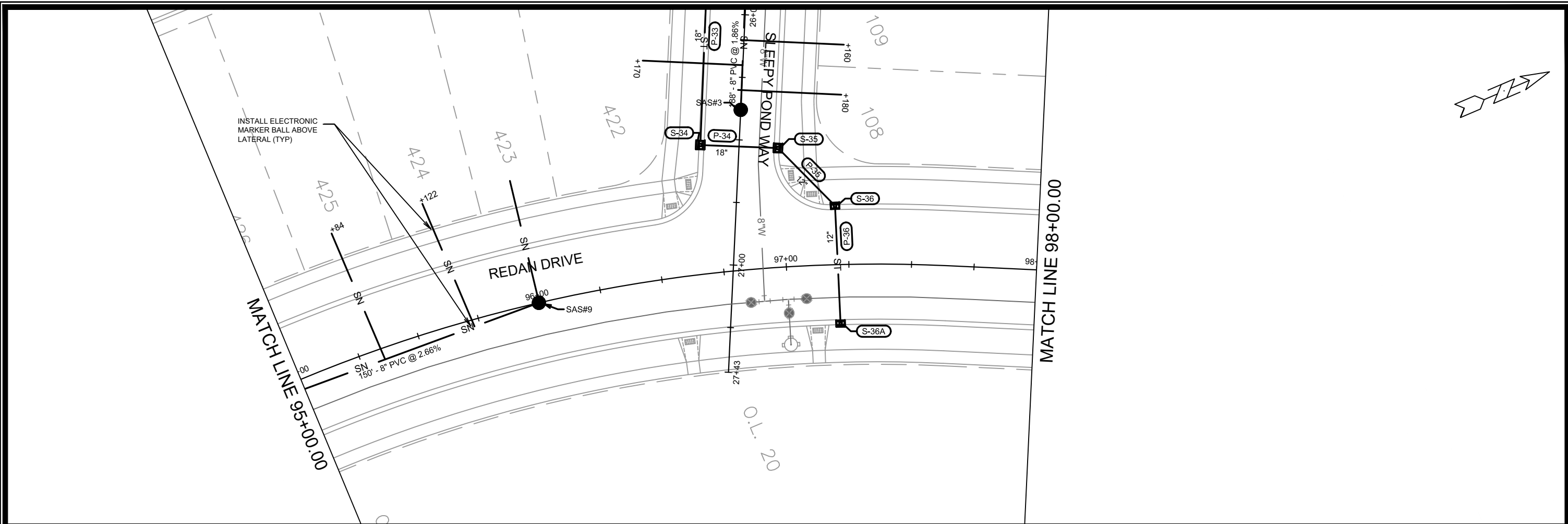


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8966	8966	8966	8966
CONTRACT NO:	CONTRACT NO:	CONTRACT NO:	CONTRACT NO:
13293	13293	13293	13293
U-1	U-1	U-1	U-1

REDAN DRIVE - UTILITIES PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
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CITY OF MADISON  
 WISCONSIN

13293  
 U-1



SAS#9  
 STA 96+00.00, LT-0.00'  
 RIM = 1090.04  
 EI(S) = 1079.54 (8")  
 EI(W) = 1079.64 (4")



MARK	REVISION	DATE	BY

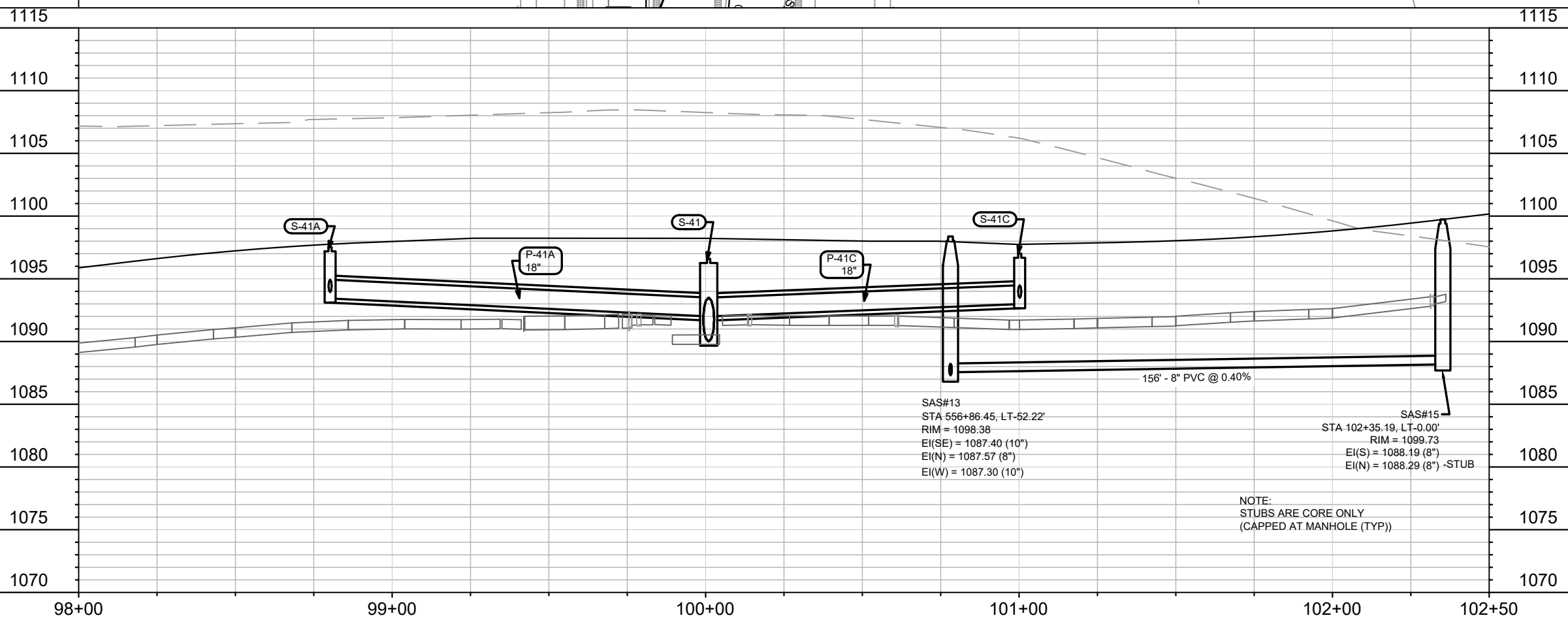
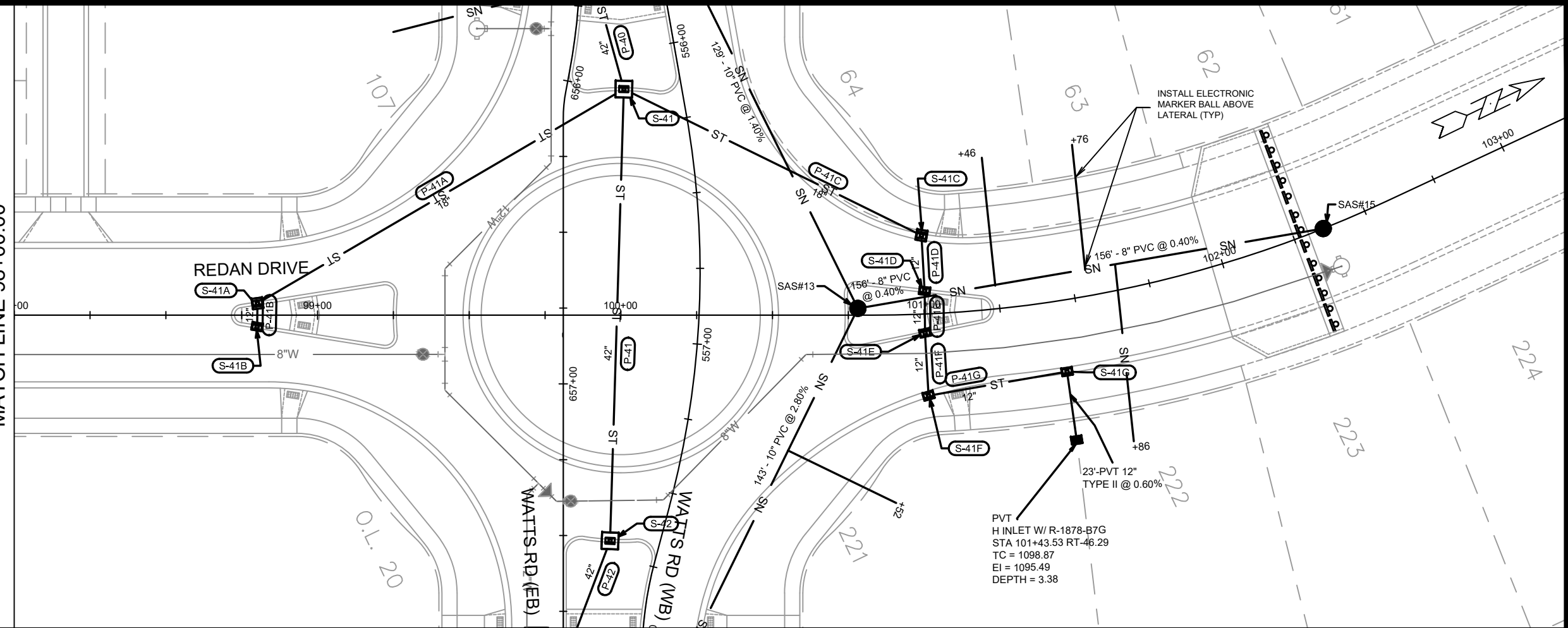
13293  
 MADISON, WI  
 CONTRACT NO: 8966

REDAN DRIVE - UTILITIES PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
 M:\DESIGN\Projects\13293\CAD\Sewers\13293SWR-PipeNetwork.dwg



13293  
 U-2

MATCH LINE 98+00.00



NOTE:  
STUBS ARE CORE ONLY  
(CAPPED AT MANHOLE (TYP))

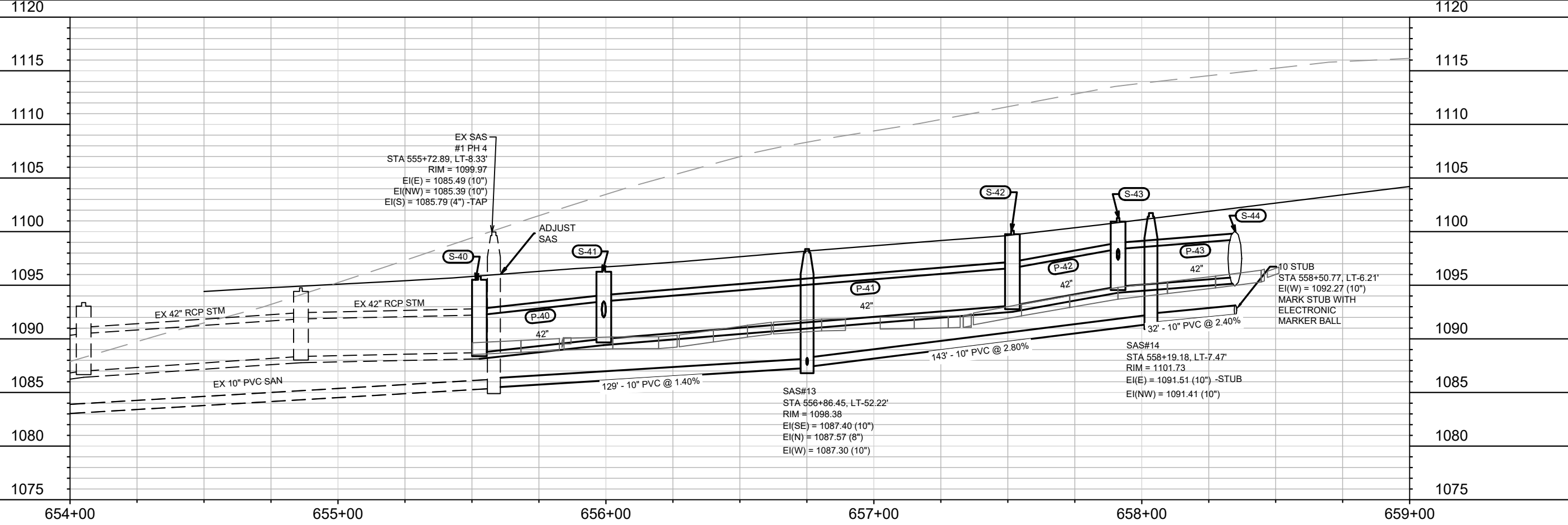
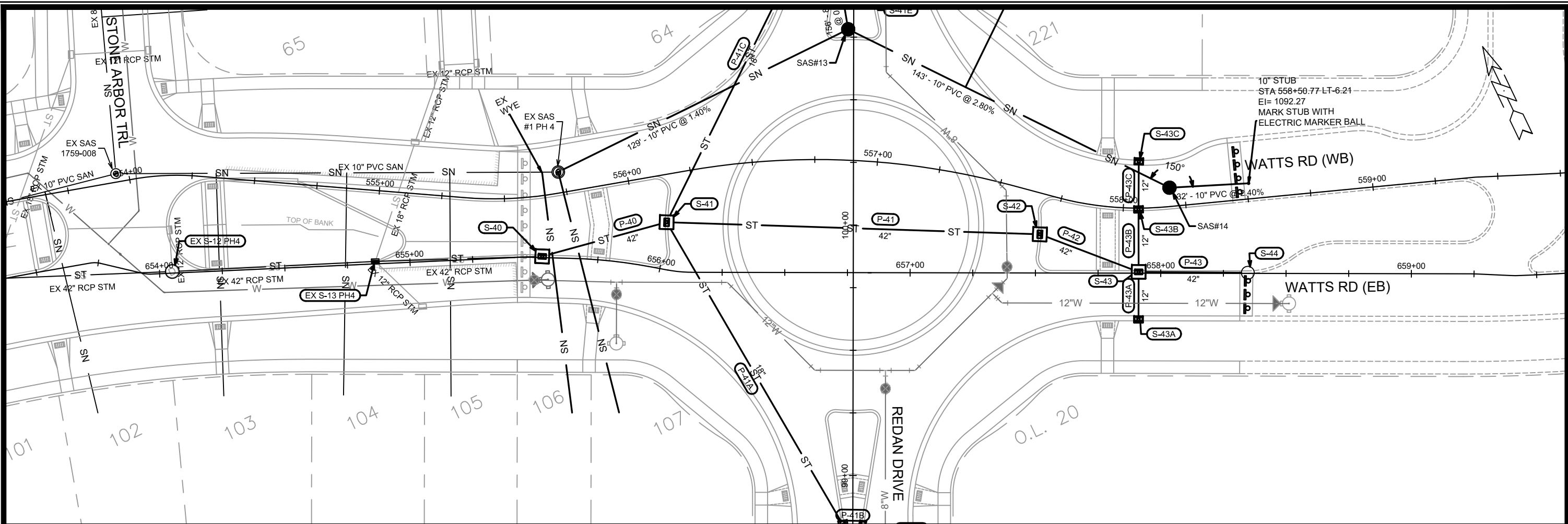
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13293	U-3	11/16 AM	U-3

13293  
MADISON, WI  
8966  
CONTRACT NO:

REDAN DRIVE - UTILITIES PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
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13293  
U-3



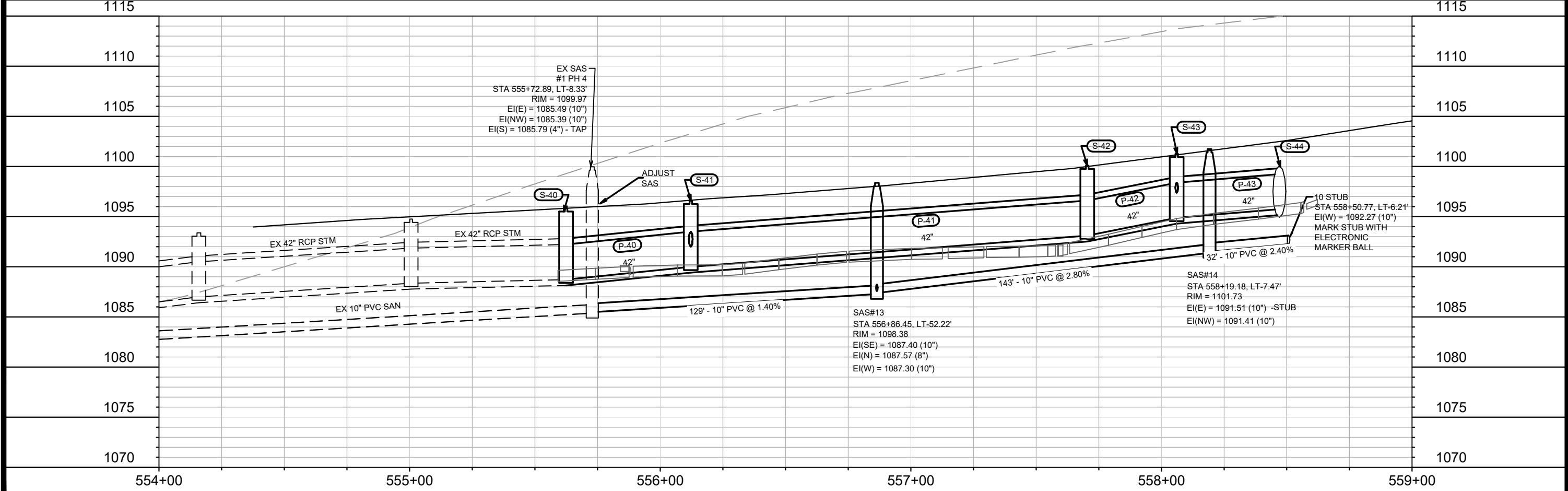
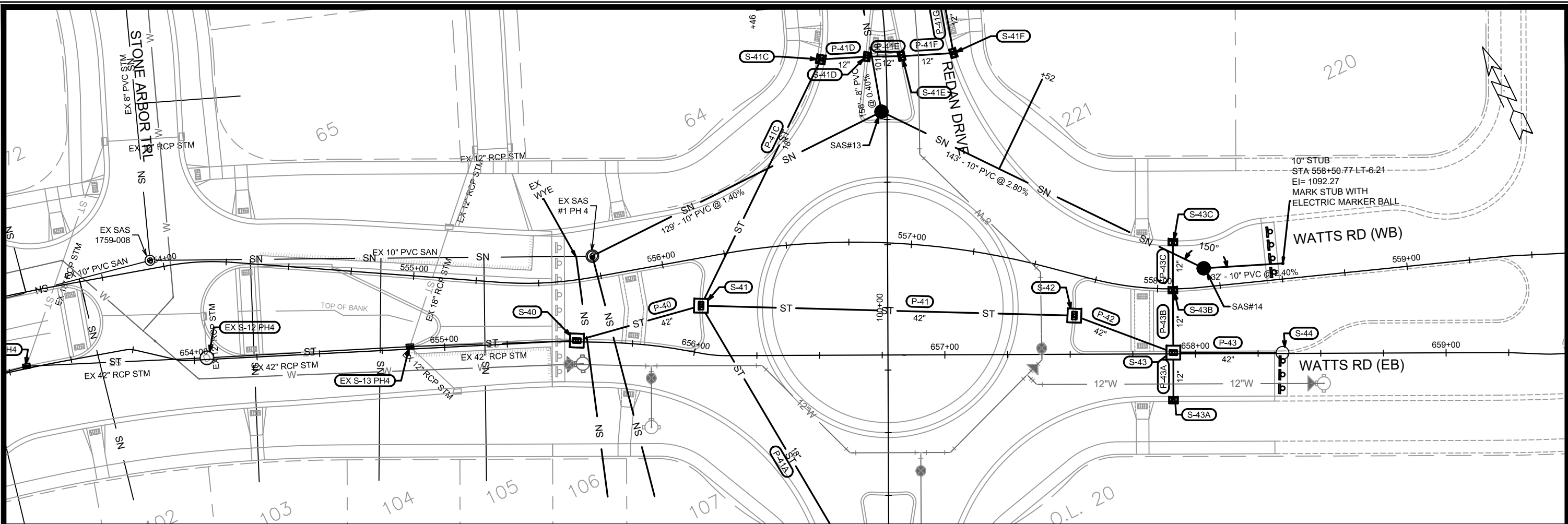
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13293	Designed By: EEA	Date: 4/9/2021 11:19 AM	Scale: 1" = 40'

13293  
 MADISON, WI  
 CONTRACT NO.: 8966

WATTS RD WESTBOUND - UTILITIES PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
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13293  
 U-4



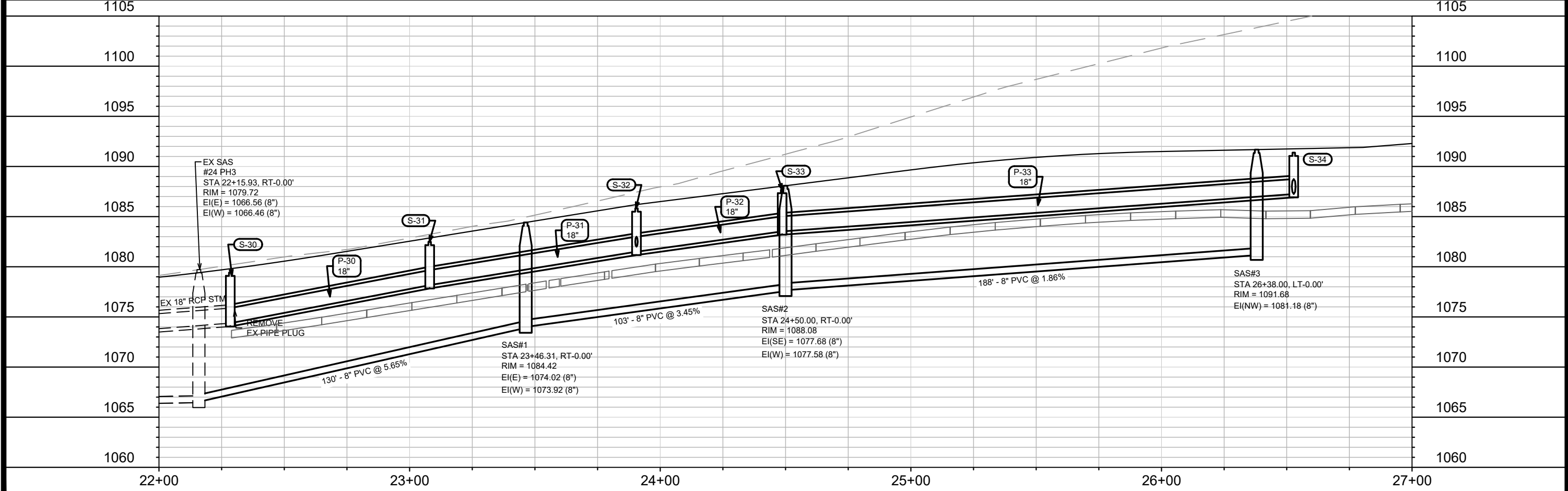
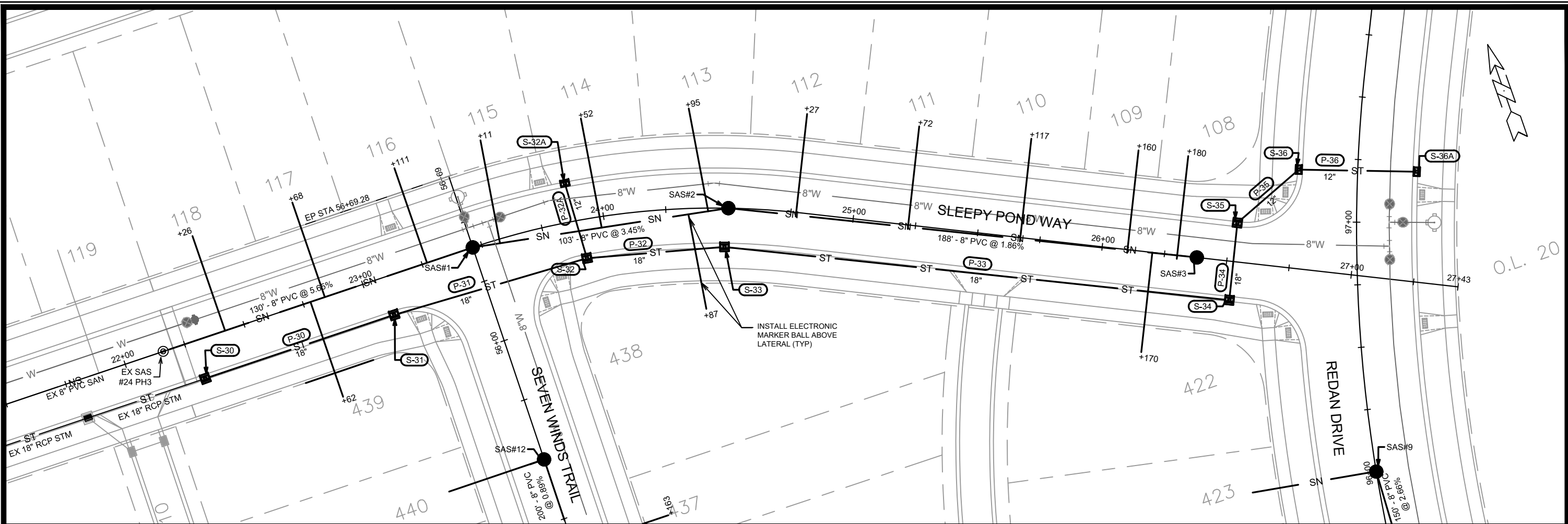
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13293  
MADISON, WI  
CONTRACT NO.: 8966

WATTS RD EASTBOUND - UTILITIES PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
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13293  
U-5





MARK	REVISION	DATE	BY

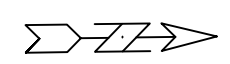
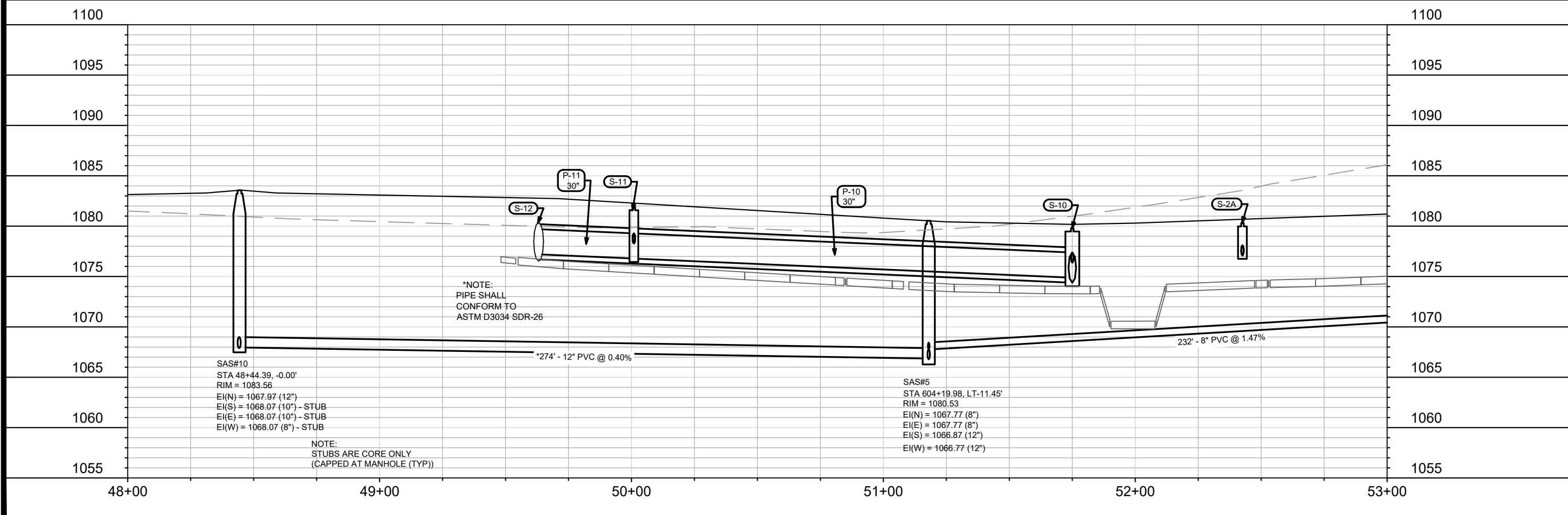
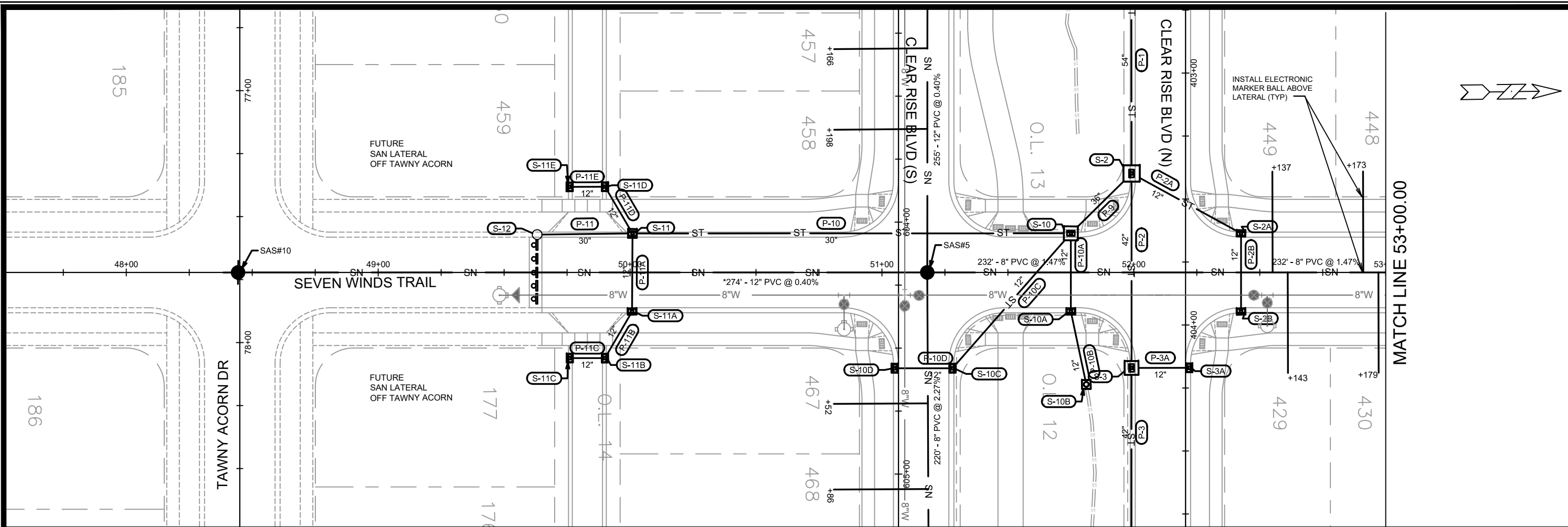
13293  
 MADISON, WI  
 CONTRACT NO: 8966

SLEEPY POND WAY - UTILITIES PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
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13293  
 U-6

U-6  
 Scale: 1" = 40'  
 Date: 3/5/2021 3:38 PM  
 Designed By: EEA  
 13293



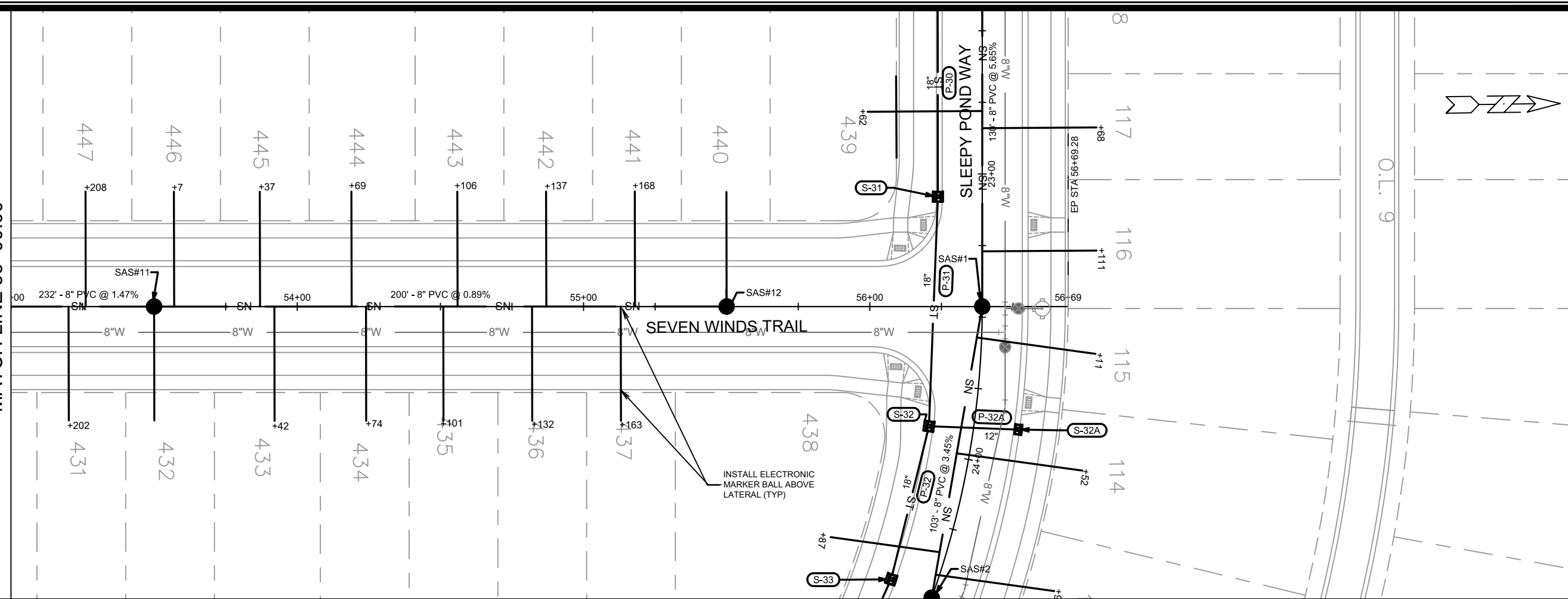
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13293	U-7	3/5/2021 3:42 PM	EAA

**13293**  
**MADISON, WI**  
**ACACIA RIDGE: PHASE 5**  
**CONTRACT NO: 8966**

SEVEN WINDS TRAIL - UTILITIES PLAN & PROFILE  
 M:\DESIGN\Projects\13293\CAD\Sewers\13293SWR-PipeNetwork.dwg

**13293**  
**U-7**

MATCH LINE 53+00.00



1100

1095

1090

1085

1080

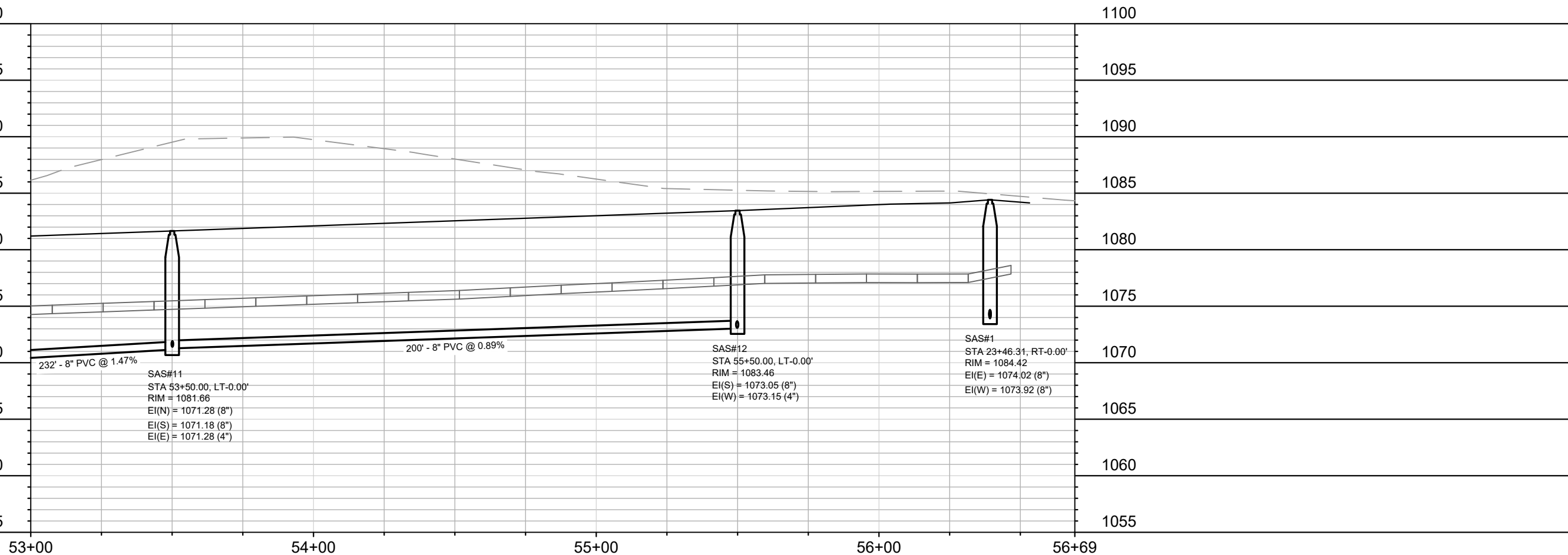
1075

1070

1065

1060

1055



SAS#11  
 STA 53+50.00, LT-0.00'  
 RIM = 1081.66  
 EI(N) = 1071.28 (8")  
 EI(S) = 1071.18 (8")  
 EI(E) = 1071.28 (4")

SAS#12  
 STA 55+50.00, LT-0.00'  
 RIM = 1083.46  
 EI(S) = 1073.05 (8")  
 EI(W) = 1073.15 (4")

SAS#1  
 STA 23+46.31, RT-0.00'  
 RIM = 1084.42  
 EI(E) = 1074.02 (8")  
 EI(W) = 1073.92 (8")

53+00

54+00

55+00

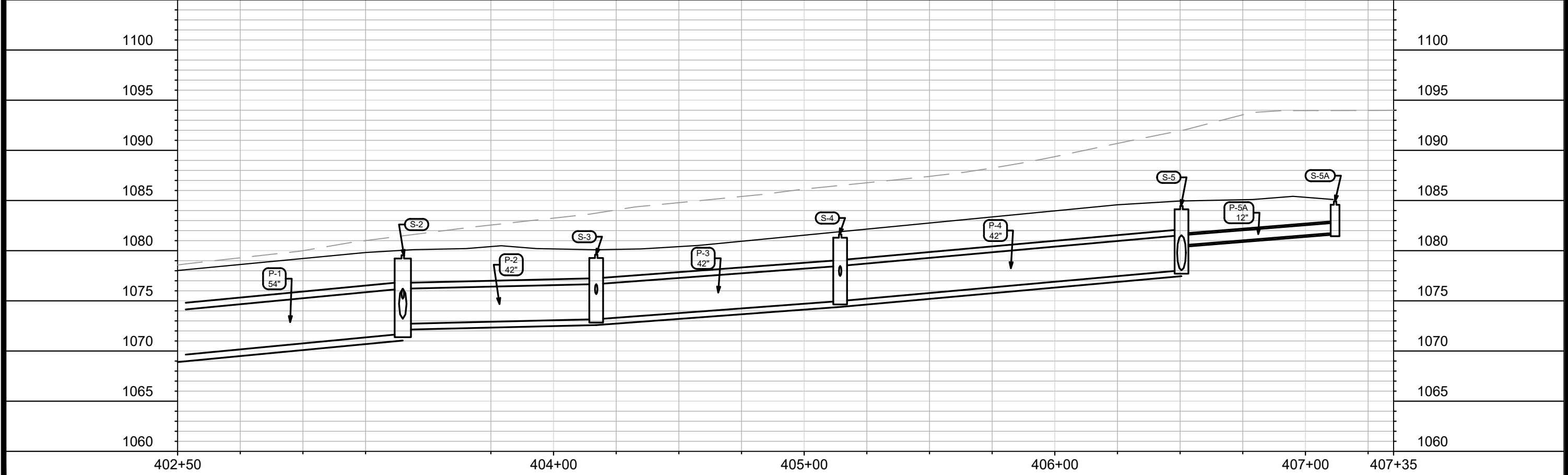
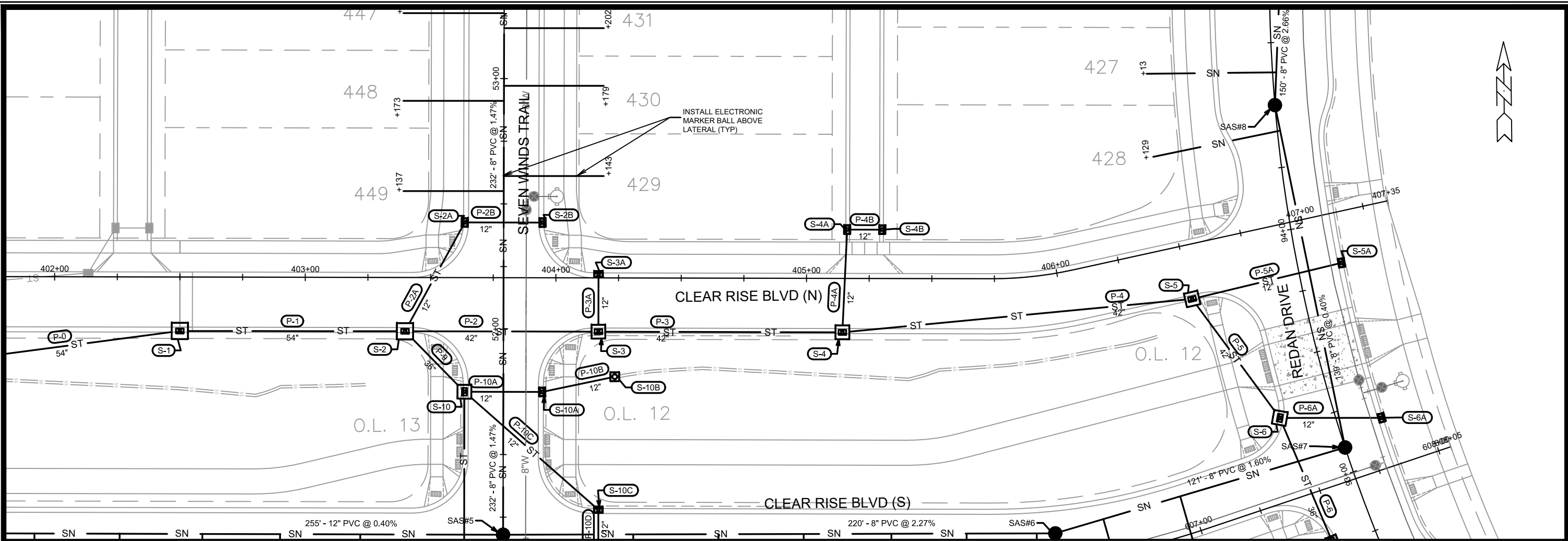
56+00

56+69

MARK	REVISION	DATE	BY
13293	13293	3/17/2021 3:56 PM	U-8

13293  
 MADISON, WI  
 CONTRACT NO: 8966  
 SEVEN WINDS TRAIL - UTILITIES PLAN & PROFILE  
 ACACIA RIDGE: PHASE 5  
 M:\DESIGN\Projects\13293\CAD\Sewers\13293SWR-PipeNetwork.dwg

13293  
 U-8



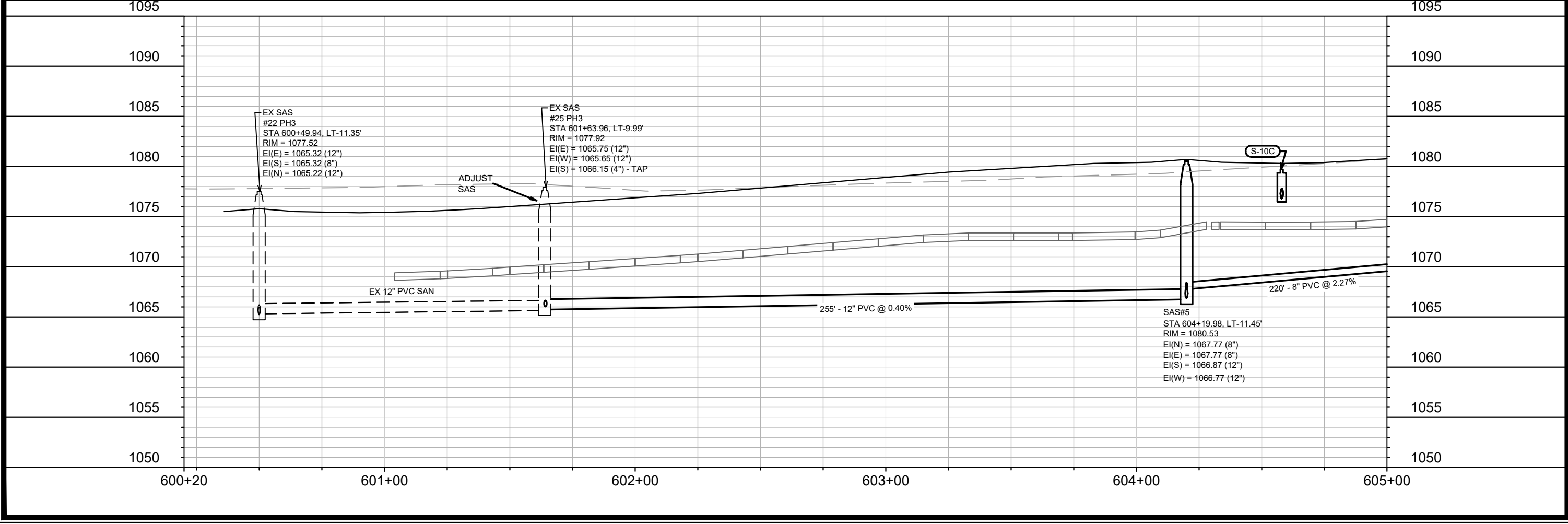
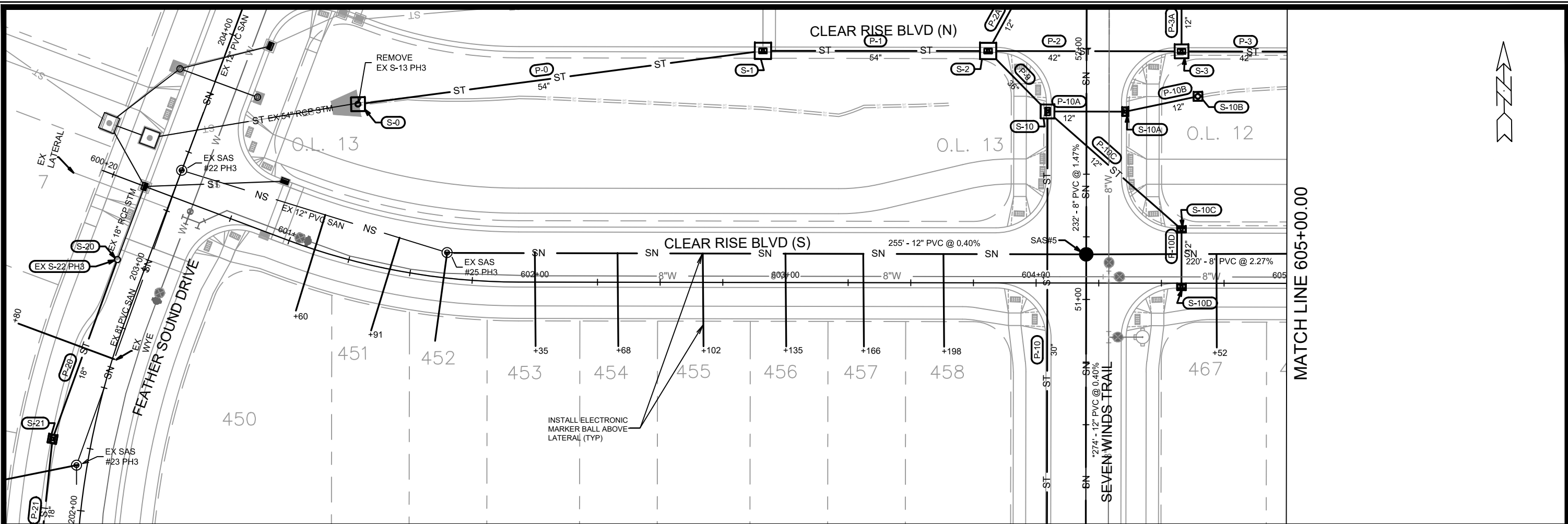
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13293	U-9	3/13/2021	EEA

13293  
MADISON, WI  
CONTRACT NO: 8966

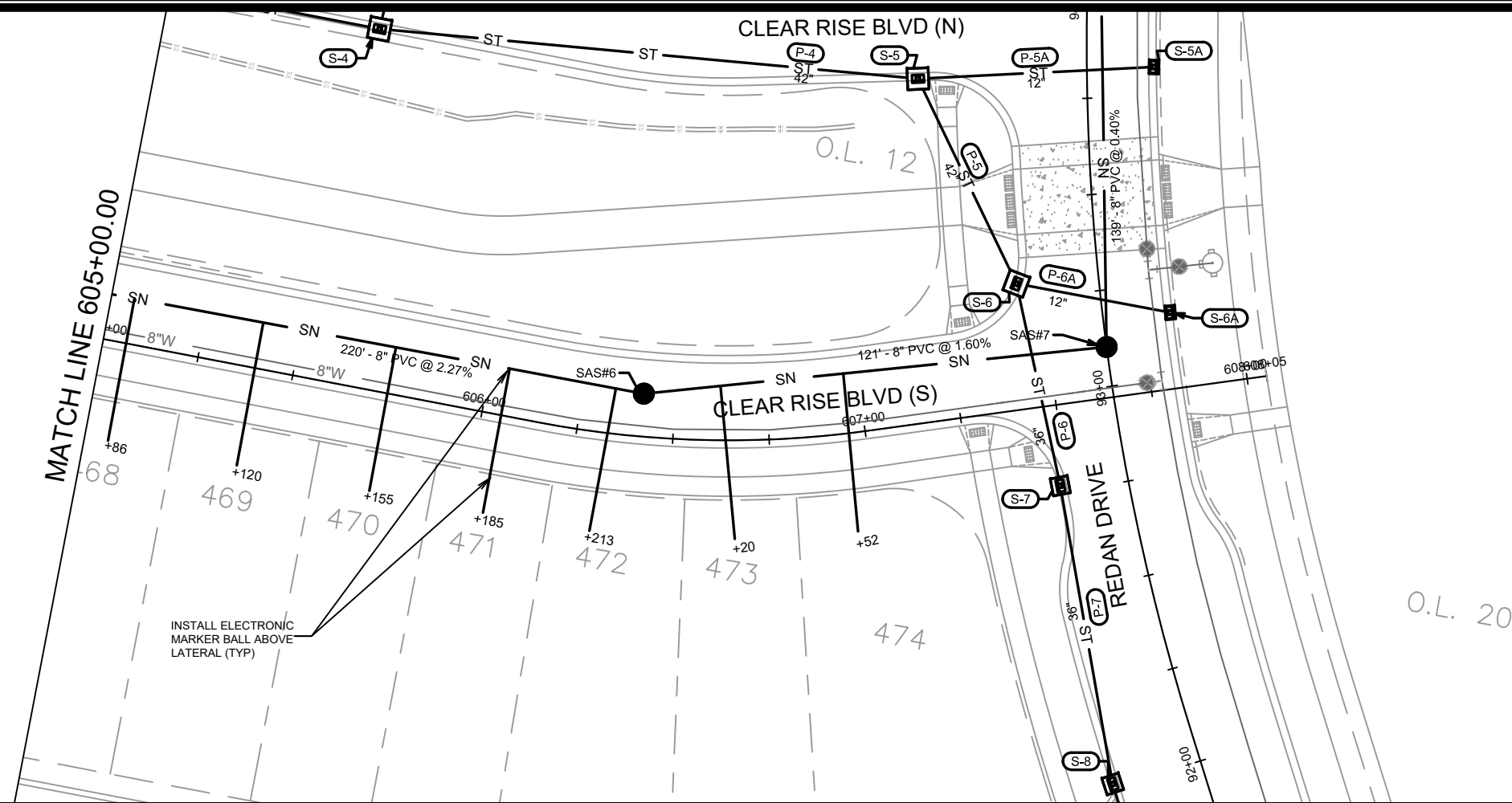
CLEAR RISE BLVD NORTH - UTILITIES PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
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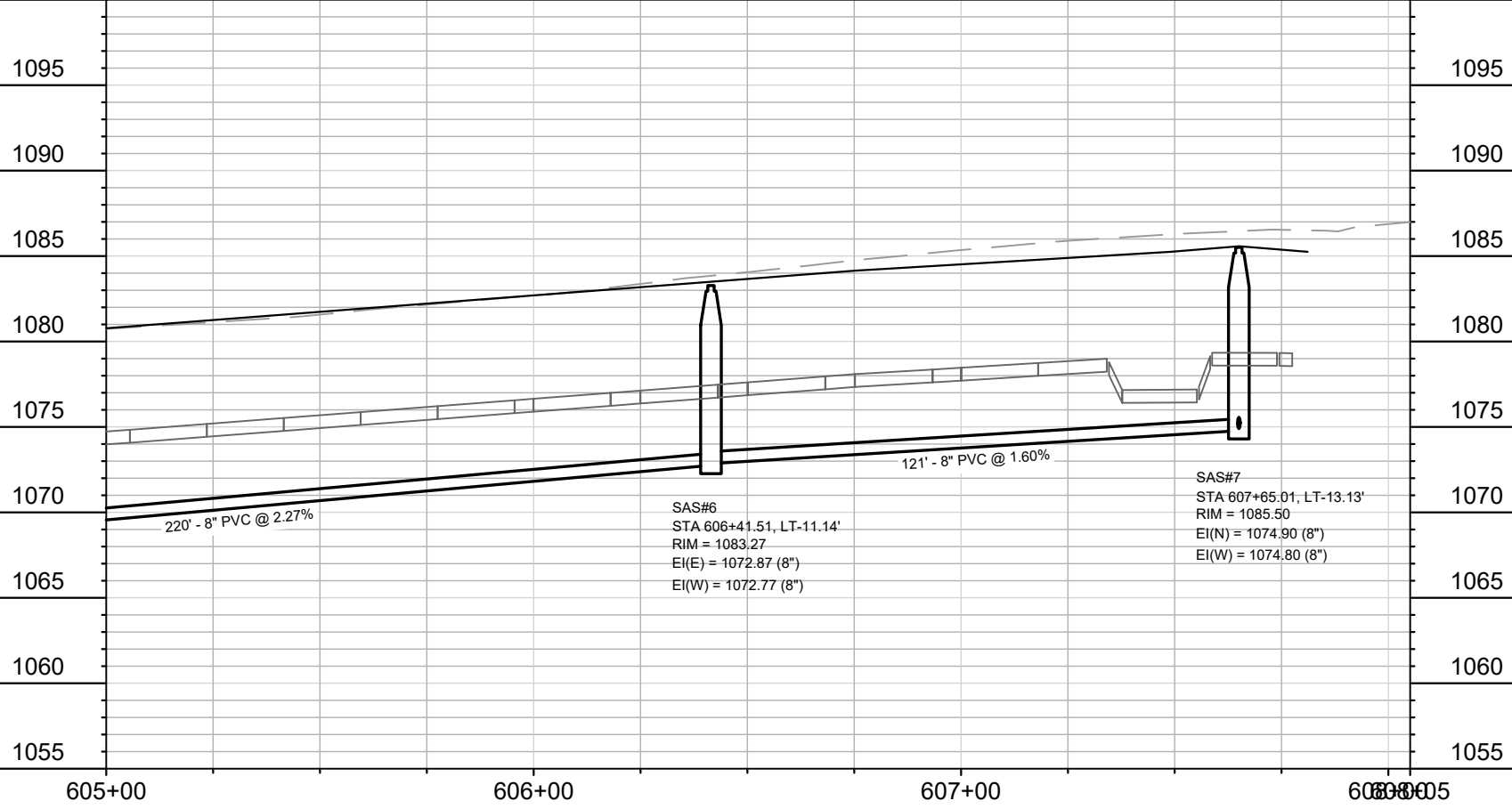
13293  
U-9



MARK	REVISION	DATE	BY
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<b>CLEAR RISE BLVD SOUTH - UTILITIES PLAN &amp; PROFILE</b> <b>ACACIA RIDGE: PHASE 5</b>			
<b>13293</b> <b>U-10</b>		M:\DESIGN\Projects\13293\CAD\Sewers\13293SWR-PipeNetwork.dwg	



1100 1100



605+00 606+00 607+00 608+00 608+005



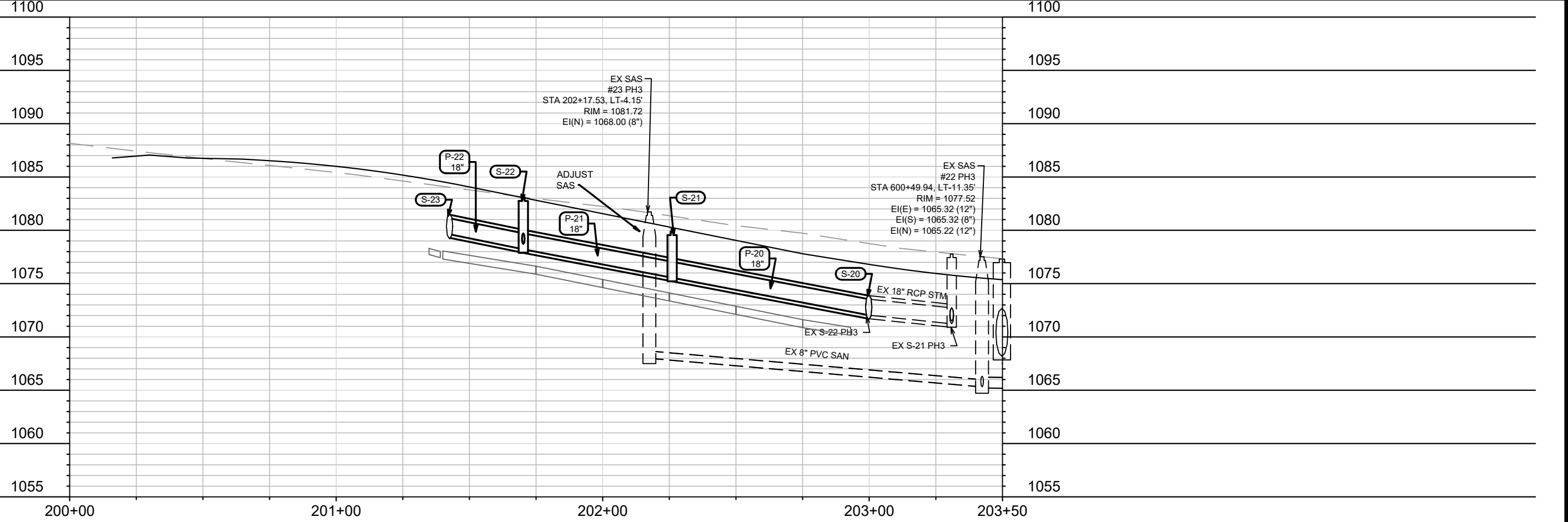
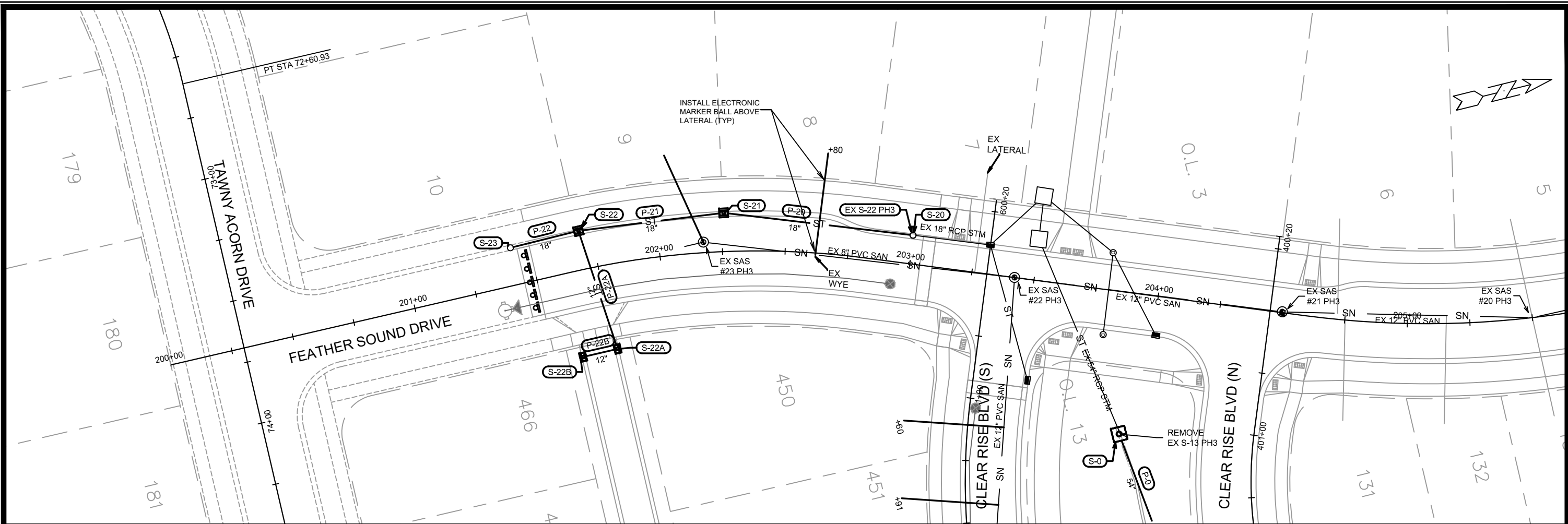
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13293  
MADISON, WI  
8966  
CONTRACT NO:

CLEAR RISE BLVD SOUTH - UTILITIES PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
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13293  
U-11



MARK	REVISION	DATE	BY
13293	U-12	3/1/2021 4:30 PM	U-12

13293  
MADISON, WI  
8966  
CONTRACT NO:

FEATHER SOUND DRIVE - UTILITIES PLAN & PROFILE  
ACACIA RIDGE: PHASE 5  
M:\DESIGN\Projects\13293\CAD\sewers\13293SWR-PipeNetwork.dwg



13293  
U-12

# SANITARY SEWER SCHEDULE

ACACIA RIDGE PHASE 5  
PROJECT NO. 13293

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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### SLEEPY POND WAY

SAS#1	23+46.31	CL	1084.42	1073.92	10.50	-
SAS#2	24+50.00	CL	1088.08	1077.58	10.50	-
SAS#3	26+38.00	CL	1091.68	1081.18	10.50	-

### REDAN DRIVE

SAS#8	94+50.00	CL	1085.96	1075.46	10.50	-
SAS#9	96+00.00	CL	1090.04	1079.54	10.50	-
SAS#15	102+35.19	CL	1099.73	1088.19	11.54	-

### CLEAR RISE BLVD - SOUTH

SAS#5	604+19.98	LT-11.45	1080.53	1066.77	13.76	-
SAS#6	606+41.51	LT-11.14	1083.27	1072.77	10.50	-
SAS#7	607+65.01	LT-13.13	1085.50	1074.80	10.70	-

### SEVEN WINDS TRAIL

SAS#10	48+44.39	CL	1083.56	1067.97	15.59	-
SAS#11	53+50.00	CL	1081.66	1071.18	10.48	-
SAS#12	55+50.00	CL	1083.46	1073.05	10.41	-

### WATTS ROAD

SAS#13	556+86.45	LT-52.22	1098.38	1087.30	11.08	-
SAS#14	558+19.18	LT-7.47	1101.73	1091.41	10.32	-
10" STUB	558+50.77	LT-6.21	-	1092.27	-	W/ MARKER BALL

## ADJUST SANITARY STRUCTURES

STRUC ID NO.	STATION	LOCATION (OFFSET)	EX RIM	PROP RIM	NOTES
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### WATTS ROAD

#1 PH 4	555+72.89	LT-8.33	1099.97	1095.81	-
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### CLEAR RISE BLVD - SOUTH

#25 PH 3	601+63.96	LT-9.99	1077.92	1076.16	-
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### FEATHER SOUND DRIVE

#23 PH 3	202+17.53	LT-4.15	1081.72	1080.02	-
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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#24 PH3	SAS#1	1066.56	1073.92	130	5.65%	8"	SDR-35	-
SAS#1	SAS#2	1074.02	1077.58	103	3.45%	8"	SDR-35	-
SAS#2	SAS#3	1077.68	1081.18	188	1.86%	8"	SDR-35	-

SAS#7	SAS#8	1074.90	1075.46	139	0.40%	8"	SDR-35	-
SAS#8	SAS#9	1075.56	1079.54	150	2.66%	8"	SDR-35	-

SAS#13	SAS#15	1087.57	1088.19	156	0.40%	8"	SDR-35	-
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EX SAS#25 PH3	SAS#5	1065.75	1066.77	255	0.40%	12"	SDR-35	-
SAS#5	SAS#6	1067.77	1072.77	220	2.27%	8"	SDR-35	-
SAS#6	SAS#7	1072.87	1074.80	121	1.60%	8"	SDR-35	-

SAS#5	SAS#10	1066.87	1067.97	274	0.40%	12"	SDR-26	-
SAS#5	SAS#11	1067.77	1071.18	232	1.47%	8"	SDR-35	-
SAS#11	SAS#12	1071.28	1073.05	200	0.89%	8"	SDR-35	-

EX SAS#1 PH4	SAS#13	1085.49	1087.30	129	1.40%	10"	SDR-35	-
SAS#13	SAS#14	1087.40	1091.41	143	2.80%	10"	SDR-35	-
SAS#14	10" STUB	1091.51	1092.27	32	2.40%	10"	SDR-35	-

## 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

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>CLEAR RISE BLVD - NORTH</b>							
S-0	401+04.48	RT-53.48	5X5 SAS	1074.59	1068.64	5.95	FP; W/ R-2561 BEEHIVE W/ R-1733 FRAME
S-1	402+50.00	RT-21.50	6X6 SAS	1078.00	1069.57	8.43	W/ R-3067-7004-V
S-2	403+39.85	RT-21.50	6X6 SAS	1080.02	1071.71	8.31	FP; W/ R-3067-7004-V
S-3	404+17.00	RT-21.50	5X5 SAS	1080.07	1073.17	6.90	LP; W/ R-3067-7004-VB; (1)
S-3A	404+17.00	LT-1.50	H INLET	1080.47	1076.67	3.80	LP; W/ R-3067-7004-VB
S-4	405+14.49	RT-21.50	5X5 SAS	1081.67	1074.98	6.69	W/ R-3067-7004-V
S-4A	405+16.39	LT-19.50	H INLET	1082.52	1079.02	3.50	LP; W/ R-3362-L; PER SDD 5.7.33
S-4B	405+29.89	LT-19.50	H INLET	1082.80	1079.46	3.34	LP; W/ R-3362-L; PER SDD 5.7.33
S-5	406+50.48	RT-21.50	5X5 SAS	1084.94	1078.04	6.90	W/ R-3067-7004-V

## SEVEN WINDS TRAIL

S-2A	52+42.61	LT-15.50	H INLET	1080.79	1077.09	3.70	W/ R-3067-7004-V
S-2B	52+42.61	RT-15.50	H INLET	1080.79	1077.39	3.40	W/ R-3067-7004-V
<b>SEVEN WINDS TRAIL</b>							
S-10	51+75.00	LT-15.50	5X5 SAS	1080.28	1074.38	5.90	FP; LP; W/ R-3067-7004-VB; (1)
S-10A	51+75.00	RT-15.50	H INLET	1080.28	1076.68	3.60	LP; W/ R-3067-7004-VB; (1)
S-10B	51+81.13	RT-44.45	3X3 SAS	1079.53	1076.87	2.66	FP; W/ R-2561 BEEHIVE W/ R-1733 FRAME
S-11	50+01.00	LT-15.50	3X3 SAS	1082.38	1076.78	5.60	W/ R-3067-7004-V
S-11A	50+00.85	RT-15.50	H INLET	1082.38	1078.78	3.60	W/ R-3067-7004-V
S-11B	49+89.81	RT-33.99	H INLET	1082.75	1079.20	3.55	LP; W/ R-3362-L; PER SDD 5.7.33
S-11C	49+76.31	RT-33.99	H INLET	1082.93	1079.44	3.49	LP; W/ R-3362-L; PER SDD 5.7.33
S-11D	49+89.81	LT-34.03	H INLET	1082.75	1079.20	3.55	LP; W/ R-3362-L; PER SDD 5.7.33
S-11E	49+76.31	LT-33.98	H INLET	1082.93	1079.44	3.49	LP; W/ R-3362-L; PER SDD 5.7.33
S-12	49+63.13	LT-15.50	PIPE PLUG	-	1077.20	-	-

## REDAN DR

S-5A	93+82.83	RT-17.50	H INLET	1085.38	1081.78	3.60	LP; W/ R-3067-7004-VB; (1)
S-6	93+29.19	LT-21.34	5X5 SAS	1085.41	1078.85	6.56	W/ R-3067-7004-V
S-6A	93+17.15	RT-17.50	H INLET	1085.53	1081.93	3.60	LP; W/ R-3067-7004-VB; (1)
S-7	92+77.07	LT-17.50	4X4 SAS	1085.73	1079.83	5.90	W/ R-3067-7004-V
S-8	92+01.03	LT-23.50	4X4 SAS	1086.36	1080.46	5.90	W/ R-3067-7004-V
S-9	91+56.52	LT-23.50	PIPE PLUG	-	1080.82	-	-

## CLEAR RISE BLVD - SOUTH

S-10C	604+58.00	LT-21.50	H INLET	1080.18	1076.81	3.37	LP; W/ R-3067-7004-VB; (1)
S-10D	604+58.00	RT-1.50	H INLET	1080.68	1077.08	3.60	LP; W/ R-3067-7004-VB

## REMOVE STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE
EX S-13 PH3	401+04.48	RT-53.48	54" RCP APRON END

## 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
P-0	S-0	S-1	1068.64	1069.57	163	160	0.58%	54"	RCP	-
P-1	S-1	S-2	1069.57	1071.71	90	84	2.55%	54"	RCP	-
P-2	S-2	S-3	1072.71	1073.17	77	72	0.64%	42"	RCP	-
P-3	S-3	S-4	1073.17	1074.98	97	92	1.97%	42"	RCP	-
P-3A	S-3	S-3A	1075.67	1076.67	23	20	5.00%	12"	TYPE I	-
P-4	S-4	S-5	1074.98	1078.04	140	135	2.27%	42"	RCP	-
P-4A	S-4	S-4A	1077.48	1079.02	41	37	4.16%	12"	TYPE I	-
P-4B	S-4A	S-4B	1079.02	1079.46	14	12	3.67%	12"	TYPE II	-
<b>SEVEN WINDS TRAIL</b>										
P-2A	S-2	S-2A	1075.21	1077.09	50	44	4.27%	12"	TYPE I	-
P-2B	S-2A	S-2B	1077.09	1077.39	31	29	1.03%	12"	TYPE I	-
P-9	S-2	S-10	1073.21	1074.38	34	26	4.50%	36"	TYPE II	-
P-10	S-10	S-11	1074.88	1076.78	174	170	1.12%	30"	TYPE I	-
P-10A	S-10	S-10A	1076.38	1076.68	31	28	1.07%	12"	TYPE I	-
P-10B	S-10A	S-10B	1076.68	1076.87	30	31	0.61%	12"	TYPE I	-
P-11	S-11	S-12	1076.78	1077.20	38	36	1.17%	30"	TYPE II	-
P-11A	S-11	S-11A	1078.28	1078.78	31	29	1.72%	12"	TYPE I	-
P-11B	S-11A	S-11B	1078.78	1079.20	21	18	2.33%	12"	TYPE II	-
P-11C	S-11B	S-11C	1079.20	1079.44	14	12	2.00%	12"	TYPE II	-
P-11D	S-11	S-11D	1078.28	1079.20	22	18	5.11%	12"	TYPE II	-
P-11E	S-11D	S-11E	1079.20	1079.44	14	12	2.00%	12"	TYPE II	-
<b>REDAN DR</b>										
P-5	S-5	S-6	1078.04	1078.85	59	53	1.53%	42"	RCP	-
P-5A	S-5	S-5A	1080.54	1081.78	61	58	2.14%	12"	TYPE I	-
P-6	S-6	S-7	1079.35	1079.83	54	49	0.98%	36"	TYPE I	-
P-6A	S-6	S-6A	1081.35	1081.93	41	37	1.57%	12"	TYPE I	-
P-7	S-7	S-8	1079.83	1080.46	79	75	0.84%	36"	TYPE I	-
P-8	S-8	S-9	1080.46	1080.82	45	43	0.84%	36"	TYPE II	-
<b>CLEAR RISE BLVD - SOUTH</b>										
P-10C	S-10	S-10C	1076.38	1076.81	71	66	0.65%	12"	TYPE I	-
P-10D	S-10C	S-10D	1076.81	1077.08	23	21	1.29%	12"	TYPE I	-

## SPECIFIC NOTES:

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

- 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

ACACIA RIDGE PHASE 5	SHEET NO.
PROJECT NO. 13293	U-STM
STORM SEWER SCHEDULE #2	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>FEATHER SOUND DR</b>							
S-20	202+99.82	LT-11.50	CONCRETE COLLAR	-	1072.04	-	REMOVE EX PIPE PLUG
S-21	202+26.05	LT-15.50	3X3 SAS	1080.35	1075.55	4.80	W/ R-3067-7004-V
S-22	201+70.21	LT-15.50	3X3 SAS	1083.18	1078.22	4.96	W/ R-3067-7004-V
S-22A	201+76.00	RT-33.80	H INLET	1083.10	1079.99	3.11	LP; W/ R-3362-L; PER SDD 5.7.33
S-22B	201+61.25	RT-34.04	H INLET	1083.75	1080.23	3.52	LP; W/ R-3362-L; PER SDD 5.7.33
S-23	201+42.55	LT-15.50	PIPE PLUG	-	1079.63	-	-

## SLEEPY POND WAY

S-30	22+28.45	RT-15.50	3X3 SAS	1079.90	1074.38	5.52	W/ R-3067-7004-V; (2)
S-31	23+08.00	RT-15.50	3X3 SAS	1082.97	1078.17	4.80	W/ R-3067-7004-V
S-32	23+90.54	RT-15.50	3X3 SAS	1086.13	1081.50	4.63	W/ R-3067-7004-V
S-32A	23+87.30	LT-15.50	H INLET	1086.09	1082.78	3.31	W/ R-3067-7004-V
S-33	24+48.66	RT-15.50	3X3 SAS	1088.13	1083.53	4.60	W/ R-3067-7004-V
S-34	26+52.79	RT-15.50	3X3 SAS	1091.85	1087.25	4.60	W/ R-3067-7004-V
S-35	26+52.56	LT-15.50	3X3 SAS	1092.41	1087.81	4.60	W/ R-3067-7004-V

## WATTS RD - RT

S-40	655+52.80	LT-0.51	5X5 SAS	1096.31	1088.72	7.59	W/ R-3067-7004-V
S-41	655+99.21	LT-18.68	5X5 SAS	1097.06	1090.00	7.06	LP; W/ R-3067-7004-VB; (1)
S-42	657+51.74	LT-15.44	5X5 SAS	1100.10	1093.10	7.00	LP; W/ R-3067-7004-VB
S-43	657+91.18	LT-0.52	5X5 SAS	1101.27	1094.88	6.39	FP; W/ R-3067-7004-V
S-43A	657+91.15	RT-18.50	H INLET	1101.04	1097.94	3.10	W/ R-3067-7004-V
S-44	658+34.74	LT-0.24	PIPE PLUG	-	1095.31	-	-

## REDAN DR

S-36	97+20.09	LT-23.50	H INLET	1093.48	1089.88	3.60	W/ R-3067-7004-V
S-36A	97+21.07	RT-23.50	H INLET	1093.51	1090.12	3.39	W/ R-3067-7004-V
S-41A	98+80.22	LT-3.85	3X3 SAS	1097.99	1093.43	4.56	LP; W/ R-3067-7004-VB
S-41B	98+80.10	RT-3.82	H INLET	1098.28	1094.62	3.66	W/ R-3067-7004-V
S-41C	101+00.21	LT-25.96	3X3 SAS	1097.48	1092.98	4.50	LP; W/ R-3067-7004-VB; (1)
S-41D	101+00.46	LT-7.59	H INLET	1098.11	1094.43	3.68	LP; W/ R-3067-7004-VB
S-41E	101+00.01	RT-6.22	H INLET	1098.26	1094.60	3.66	LP; W/ R-3067-7004-VB; (1)
S-41F	101+00.25	RT-26.96	H INLET	1098.67	1095.07	3.60	LP; W/ R-3067-7004-VB
S-41G	101+43.77	RT-23.50	H INLET	1098.91	1095.35	3.56	W/ R-3067-7004-V

## WATTS RD - LT

S-43B	558+06.08	RT-0.53	H INLET	1101.59	1097.63	3.96	W/ R-3067-7004-V
S-43C	558+06.26	LT-18.65	H INLET	1101.83	1098.11	3.72	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
P-20	S-20	S-21	1072.04	1075.55	76	75	4.68%	18"	TYPE I	-
P-21	S-21	S-22	1075.55	1078.22	58	55	4.85%	18"	TYPE II	-
P-22	S-22	S-23	1078.22	1079.63	28	27	5.22%	18"	TYPE II	-
P-22A	S-22	S-22A	1078.72	1079.99	50	47	2.70%	12"	TYPE I	-
P-22B	S-22A	S-22B	1079.99	1080.23	14	12	2.00%	12"	TYPE II	-
<b>SLEEPY POND WAY</b>										
P-30	S-30	S-31	1074.38	1078.17	80	78	4.86%	18"	TYPE II	-
P-31	S-31	S-32	1078.17	1081.50	80	77	4.32%	18"	TYPE I	-
P-32	S-32	S-33	1081.50	1083.53	55	52	3.90%	18"	TYPE II	-
P-32A	S-32	S-32A	1082.00	1082.78	31	29	2.69%	12"	TYPE I	-
P-33	S-33	S-34	1083.53	1087.25	203	201	1.85%	18"	TYPE II	-
P-34	S-34	S-35	1087.25	1087.81	31	30	1.87%	18"	TYPE I	-
P-35	S-35	S-36	1088.31	1089.88	32	30	0.05	12"	TYPE II	-
<b>WATTS RD - RT</b>										
P-40	S-40	S-41	1088.72	1090.00	51	46	2.78%	42"	TYPE I	-
P-41	S-41	S-42	1090.00	1093.10	149	144	2.15%	42"	TYPE I	-
P-42	S-42	S-43	1093.10	1094.88	42	37	4.81%	42"	TYPE I	-
P-43	S-43	S-44	1094.88	1095.74	44	41	2.10%	42"	TYPE I	-
P-43A	S-43	S-43A	1097.38	1097.94	19	16	3.50%	12"	TYPE I	-
<b>REDAN DR</b>										
P-36	S-36	S-36A	1089.88	1090.12	47	45	0.53%	12"	TYPE I	-
<b>WATTS RD - LT</b>										
P-43B	S-43	S-43B	1097.38	1097.63	25	21	1.19%	12"	TYPE II	-
P-43C	S-43B	S-43C	1097.63	1098.11	19	17	2.82%	12"	TYPE I	-

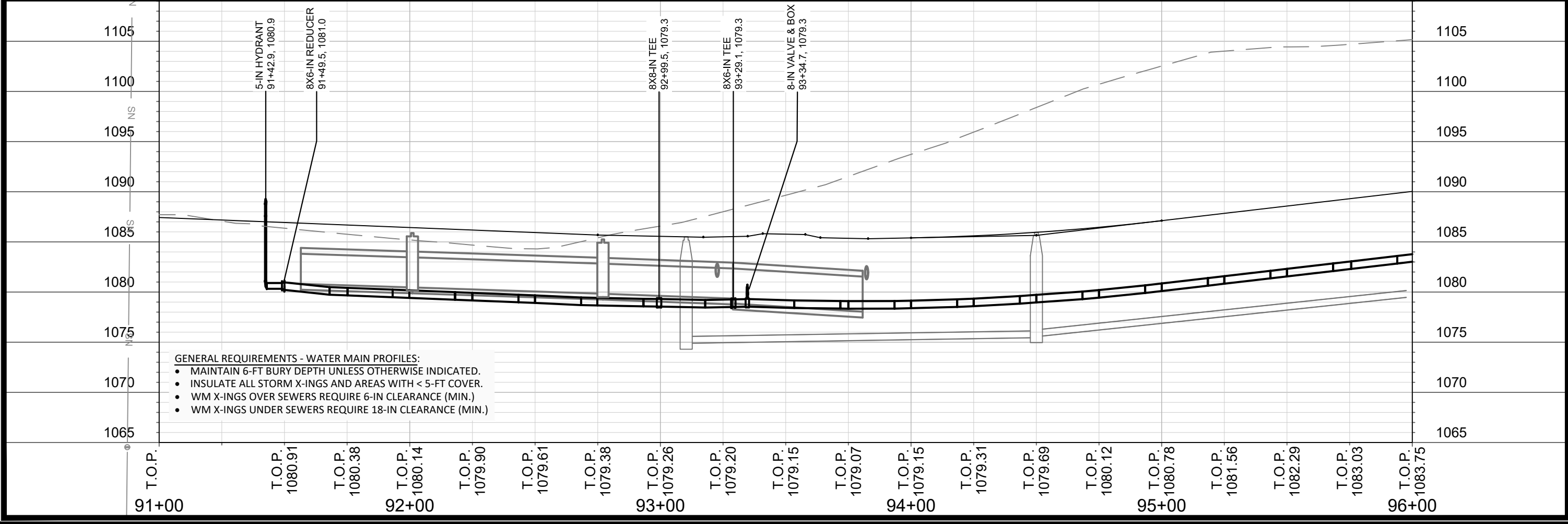
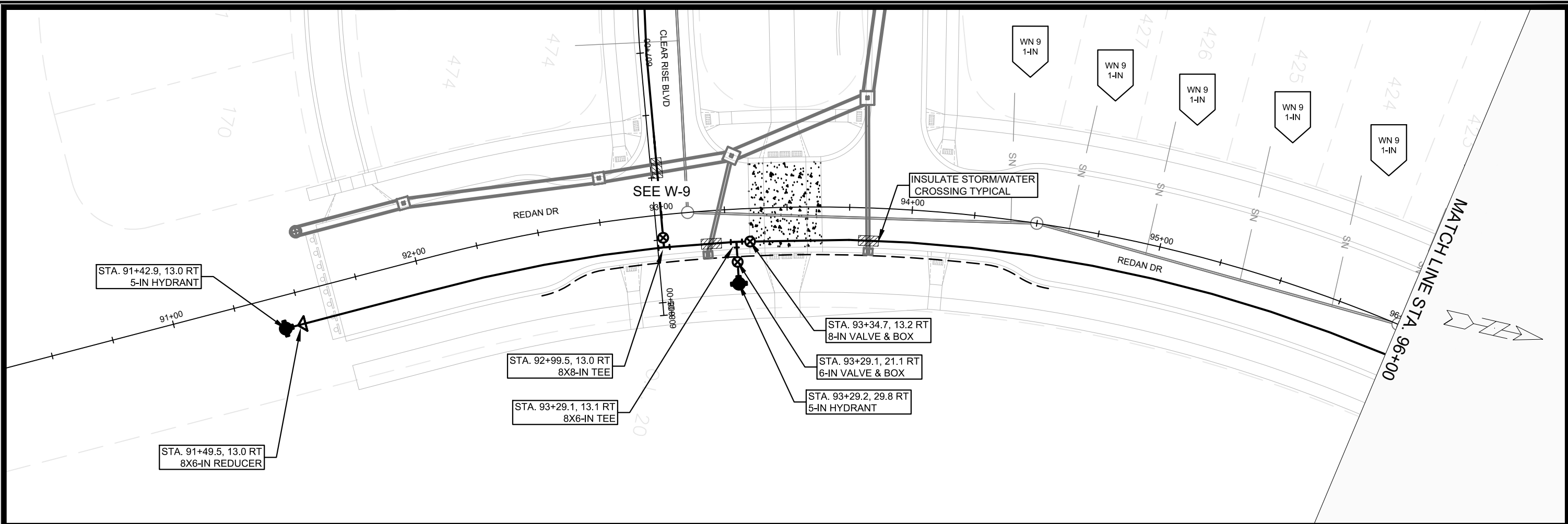
## SPECIFIC NOTES:

- (1) INSTALL LOW POINT PVC DRAIN; SEE S.D.D. 5.7.7A
- (2) REMOVE EX PIPE PLUG

## 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.
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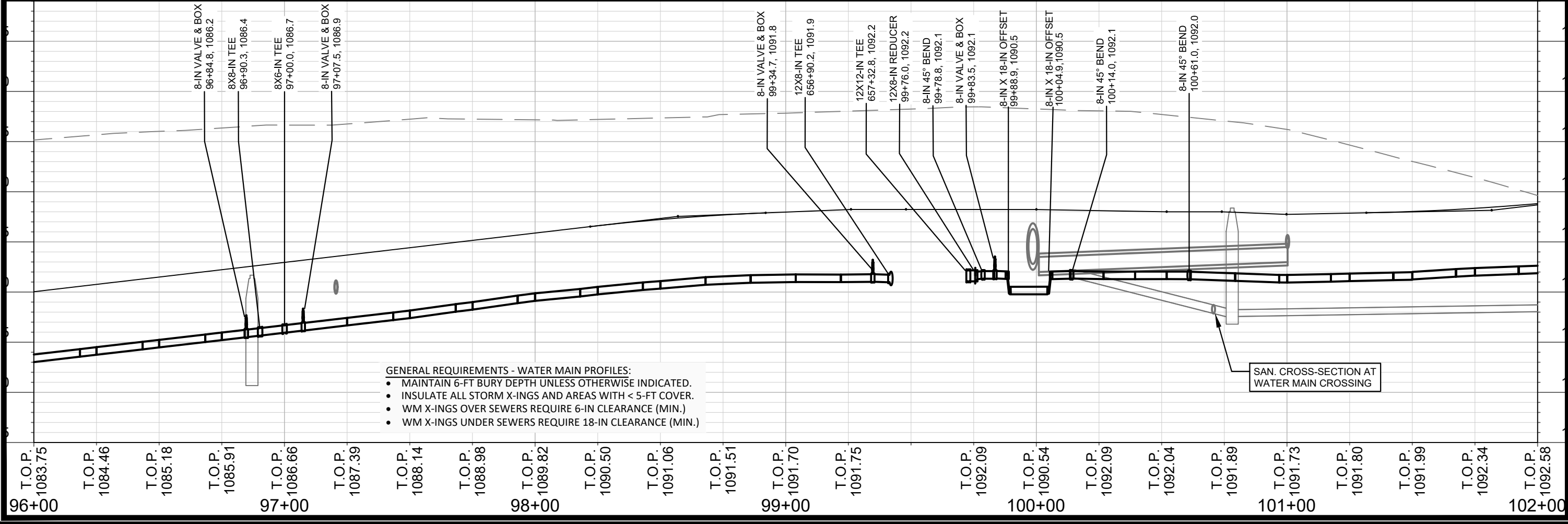
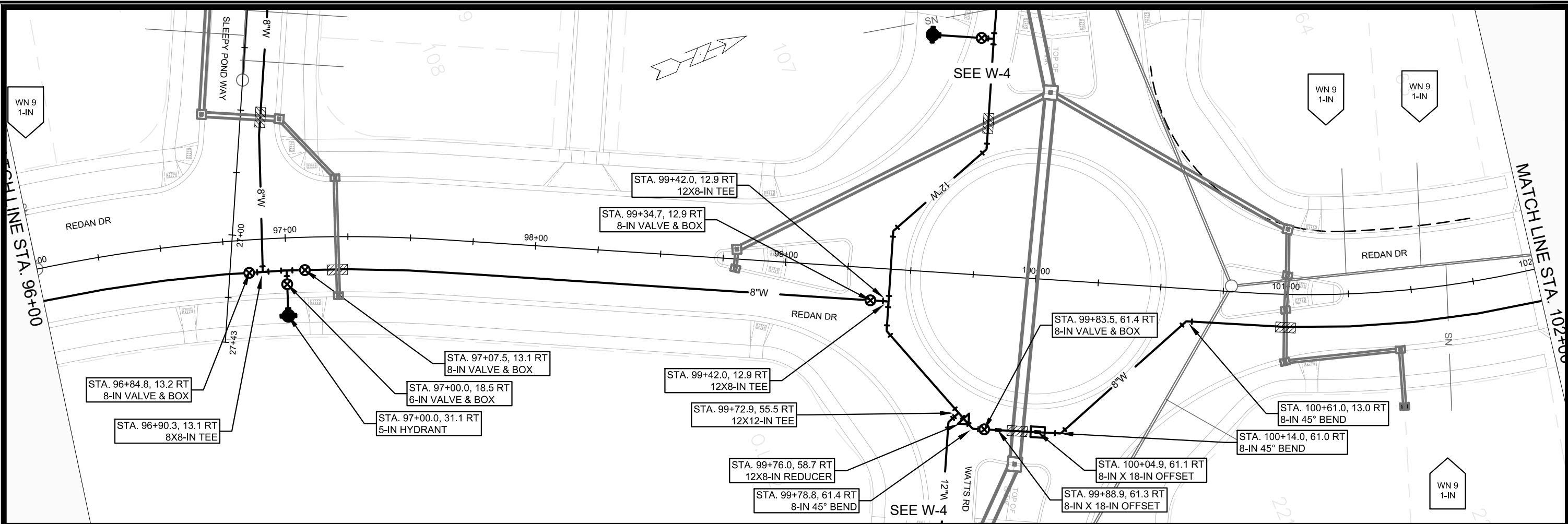
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 DESIGNED BY: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/8/21

ACACIA RIDGE: PHASE 5  
 PLAN & PROFILE: REDAN DRIVE WATER PLAN & PROFILE  
 CITY OF MADISON, WISCONSIN

CONTRACT NO: 8966

13293  
 W-1

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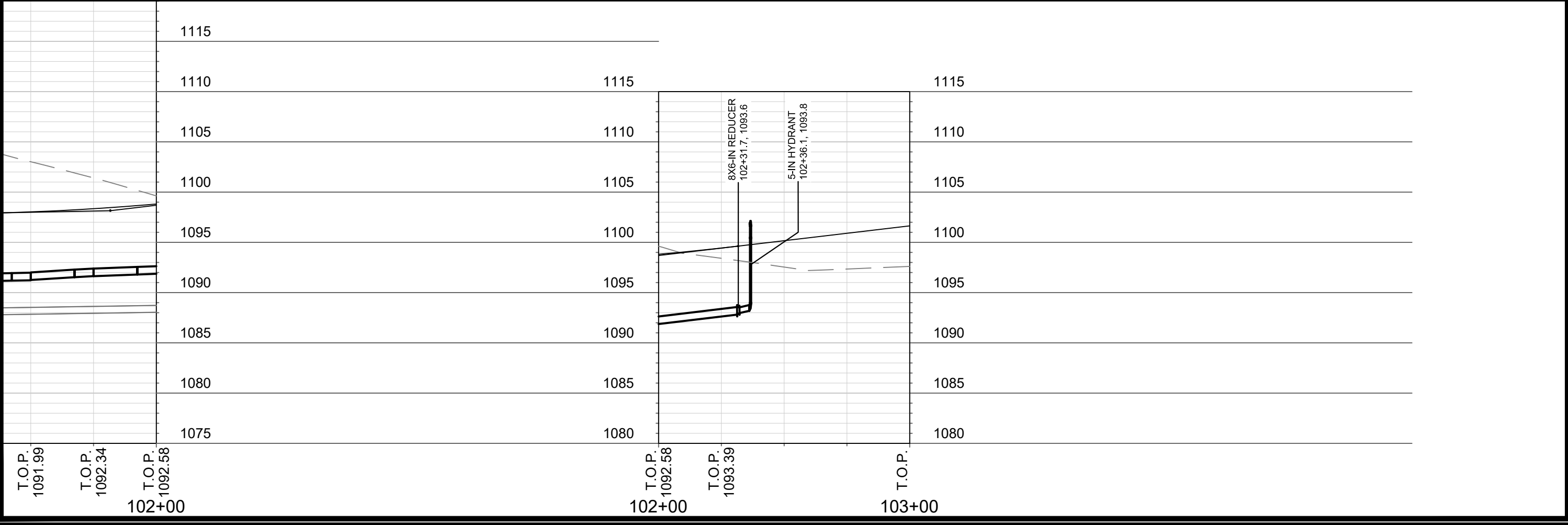
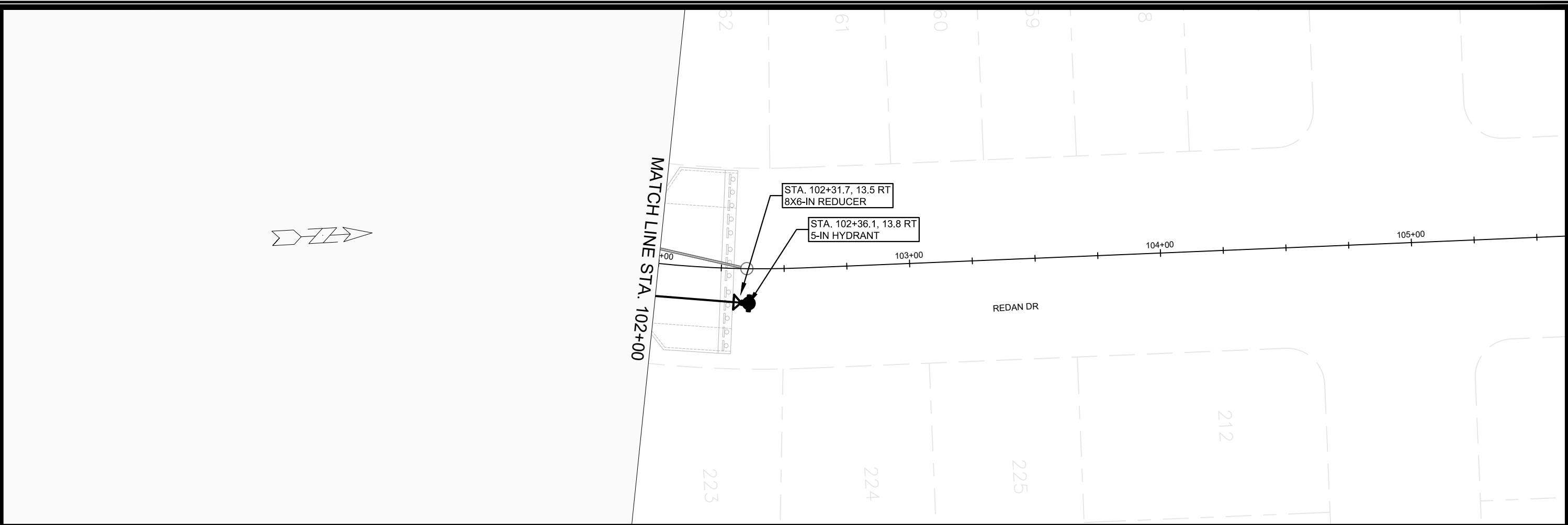


- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
  - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
  - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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**PLAN & PROFILE: REDAN DRIVE WATER PLAN & PROFILE**  
**CITY OF MADISON, WISCONSIN**  
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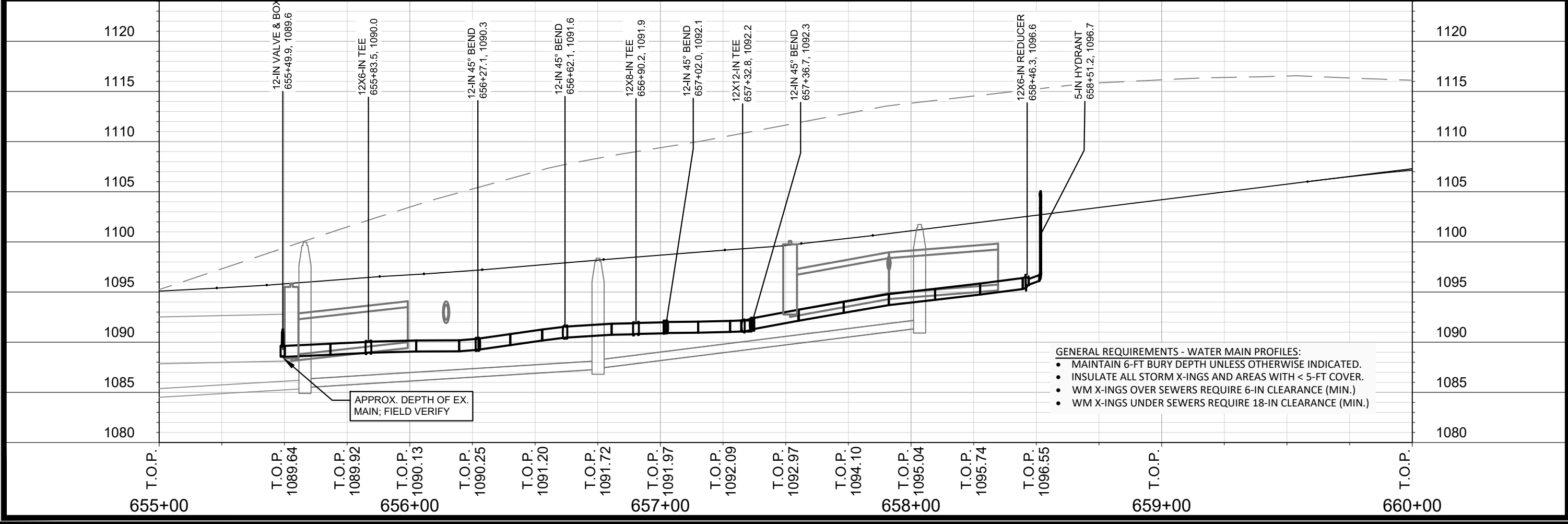
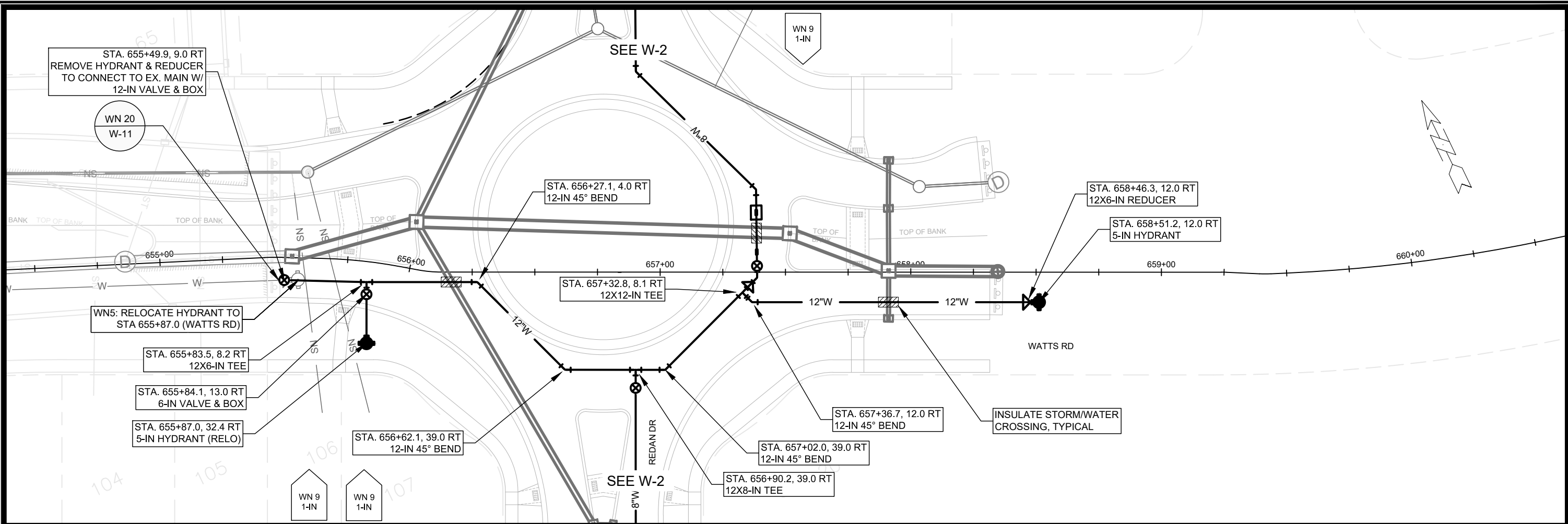
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13293  
 W-3

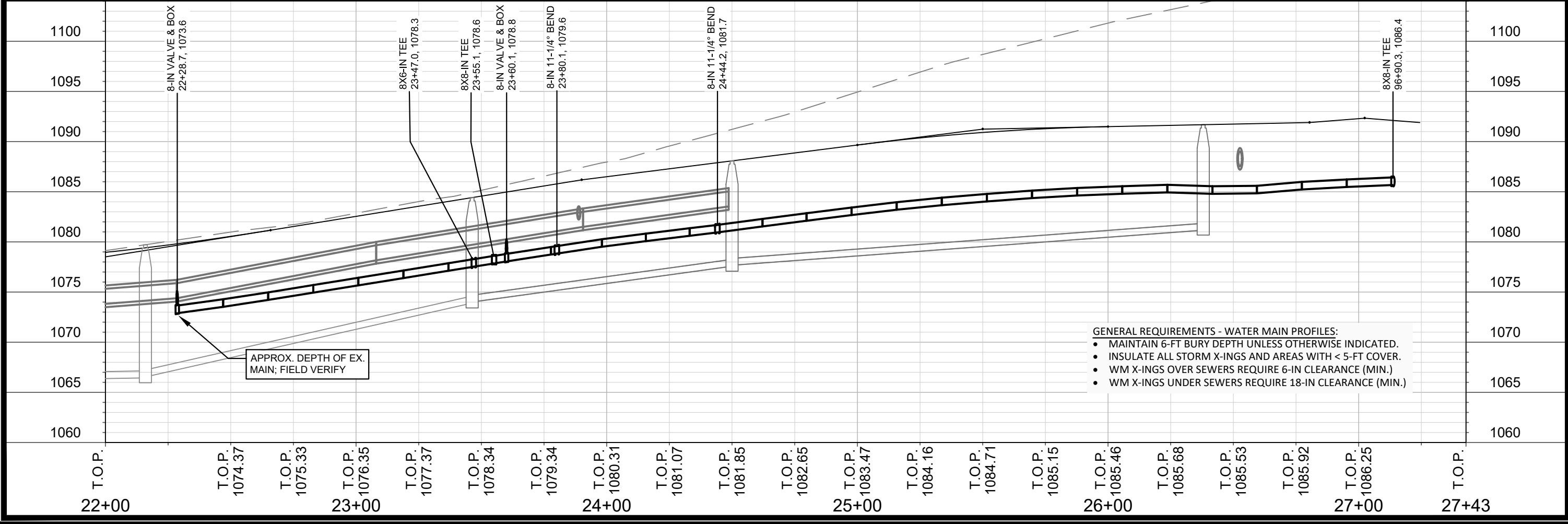
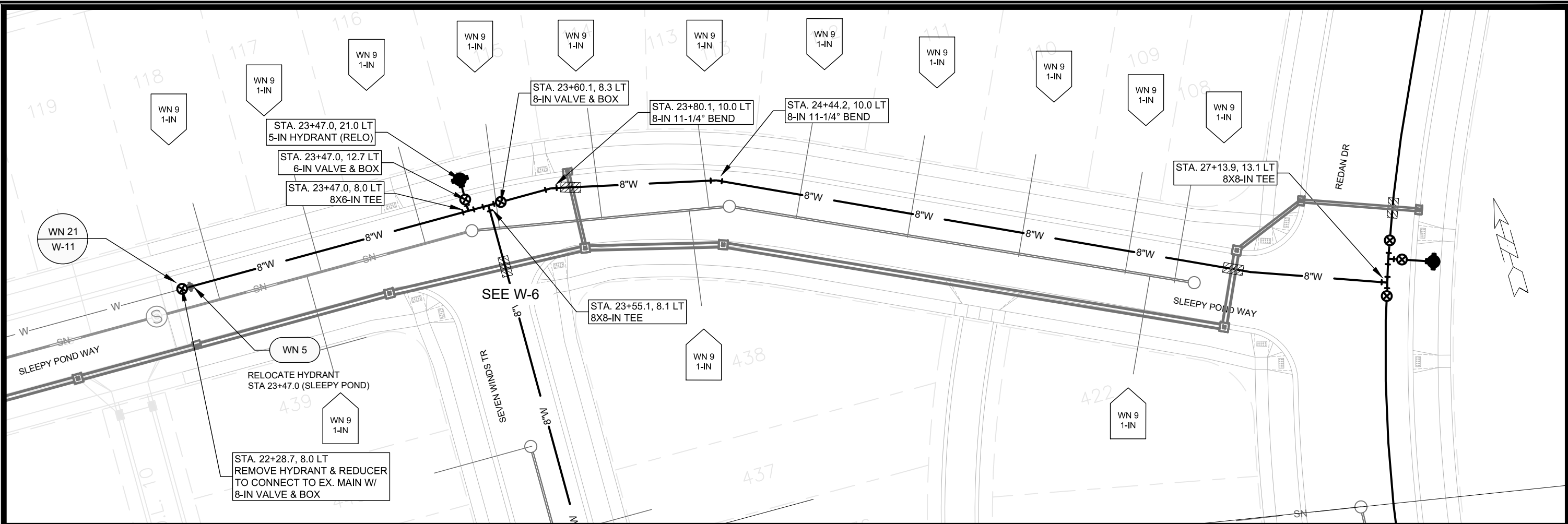


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 119 E OLIN AVE, MADISON, WI 53713  
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ACACIA RIDGE: PHASE 5  
 PLAN & PROFILE: WATTS ROAD WATER PLAN & PROFILE  
 CITY OF MADISON, WISCONSIN  
 CONTRACT NO: 8966

13293  
 W-4



- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
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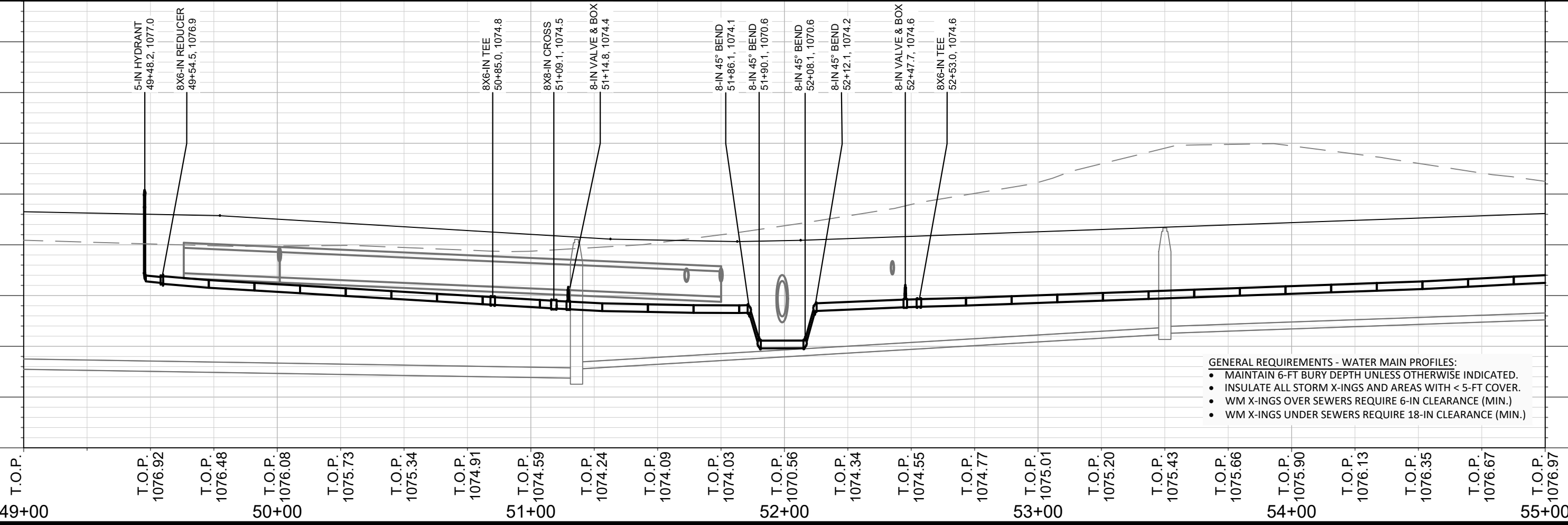
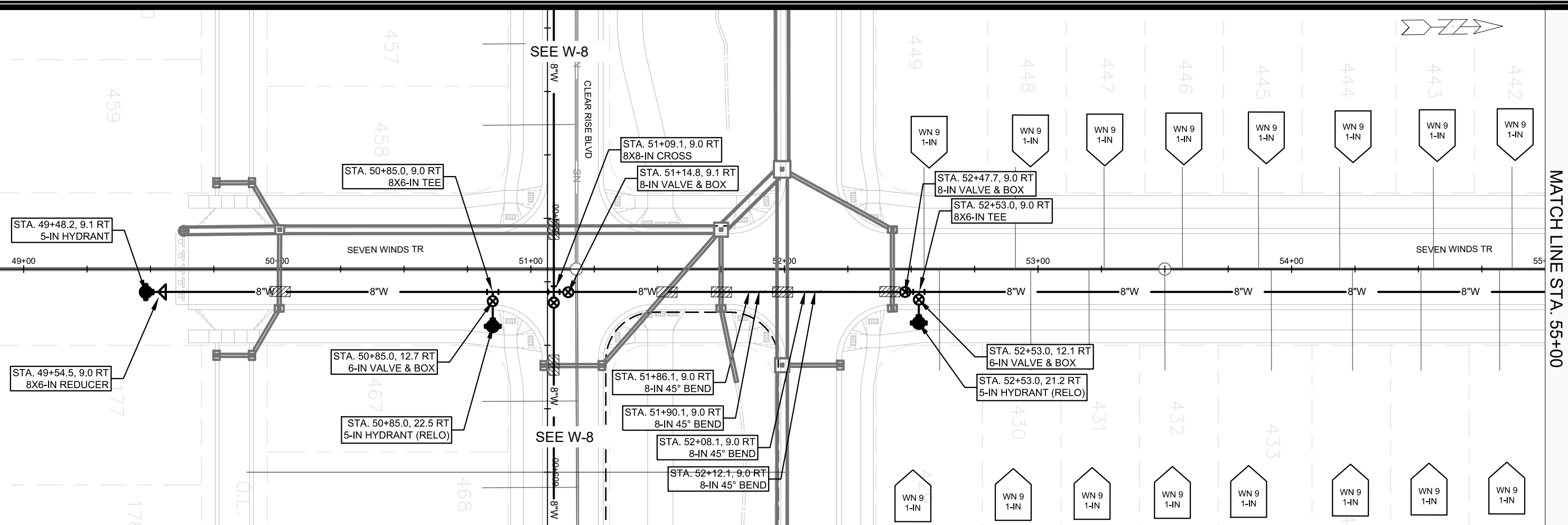
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**ACACIA RIDGE: PHASE 5**  
 PLAN & PROFILE: SLEEPY POND WAY WATER PLAN & PROFILE  
**CITY OF MADISON, WISCONSIN**

CONTRACT NO: 8966

  
 13293  
 W-5

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- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
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MATCH LINE STA. 55+00

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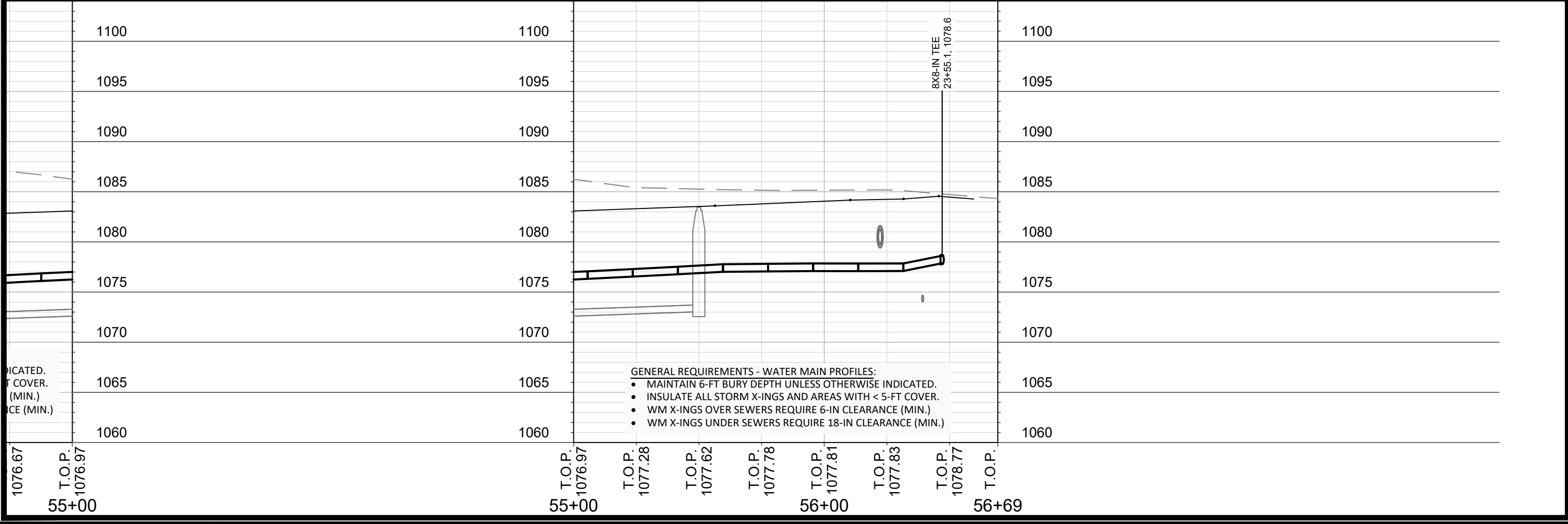
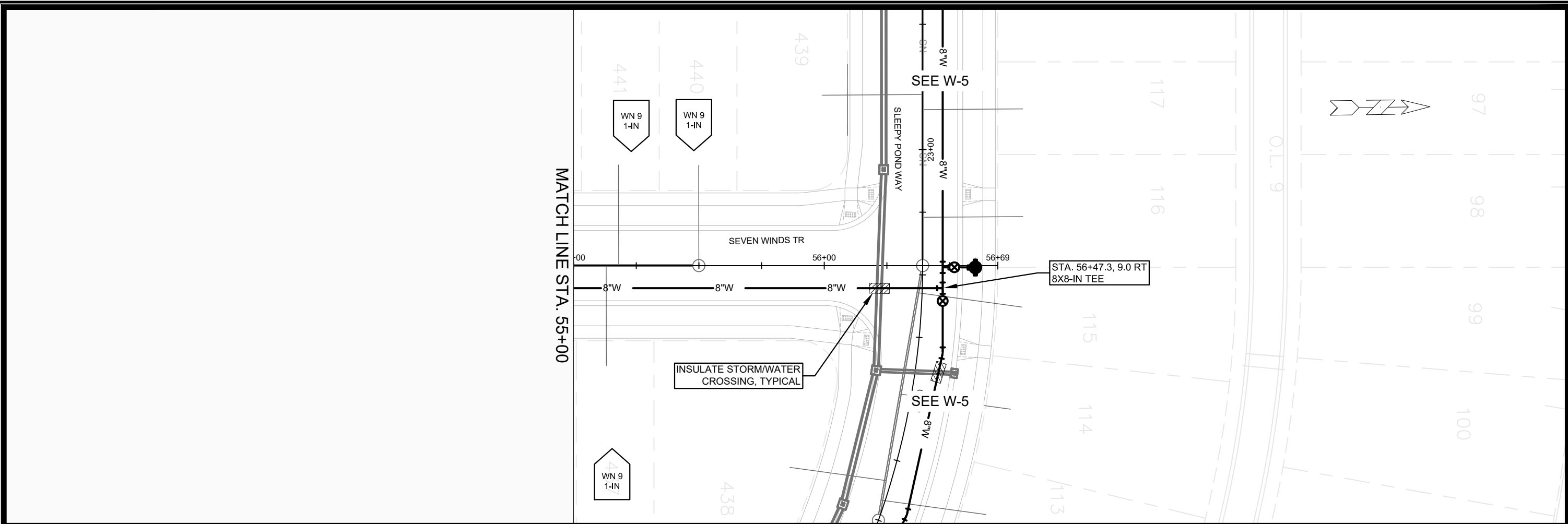
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ACACIA RIDGE: PHASE 5  
 PLAN & PROFILE: SEVEN WINDS TRAIL WATER PLAN & PROFILE  
 CITY OF MADISON, WISCONSIN



13293  
 W-6





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ACACIA RIDGE: PHASE 5

PLAN & PROFILE: SEVEN WINDS TRAIL WATER PLAN & PROFILE

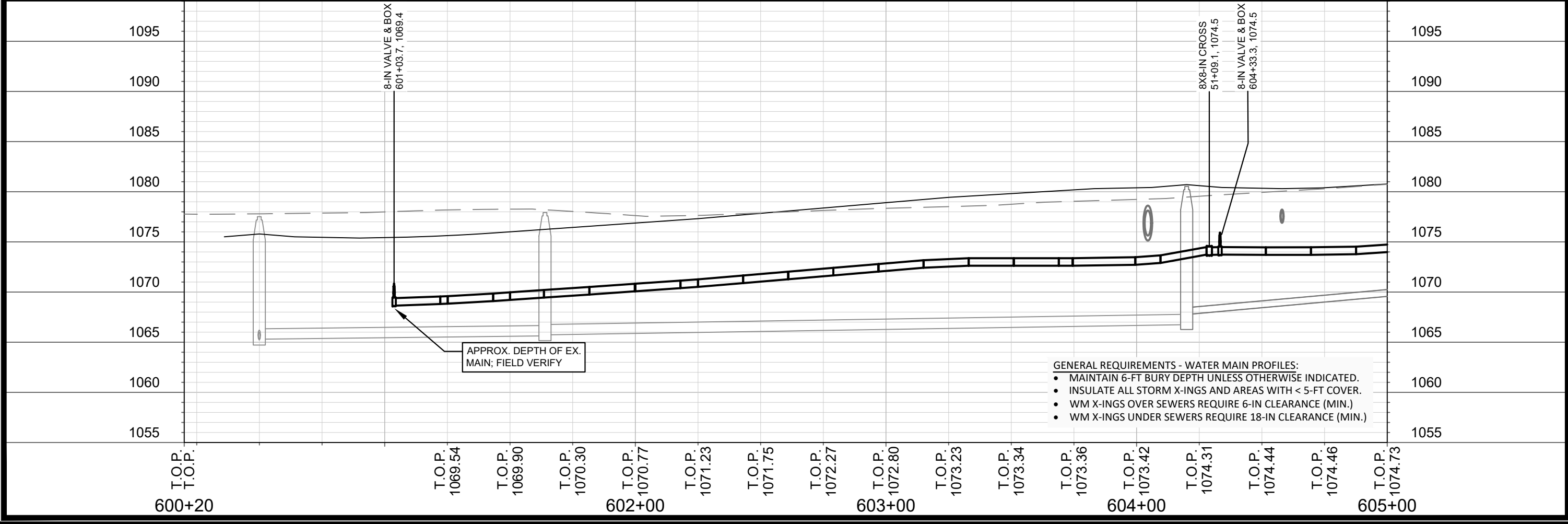
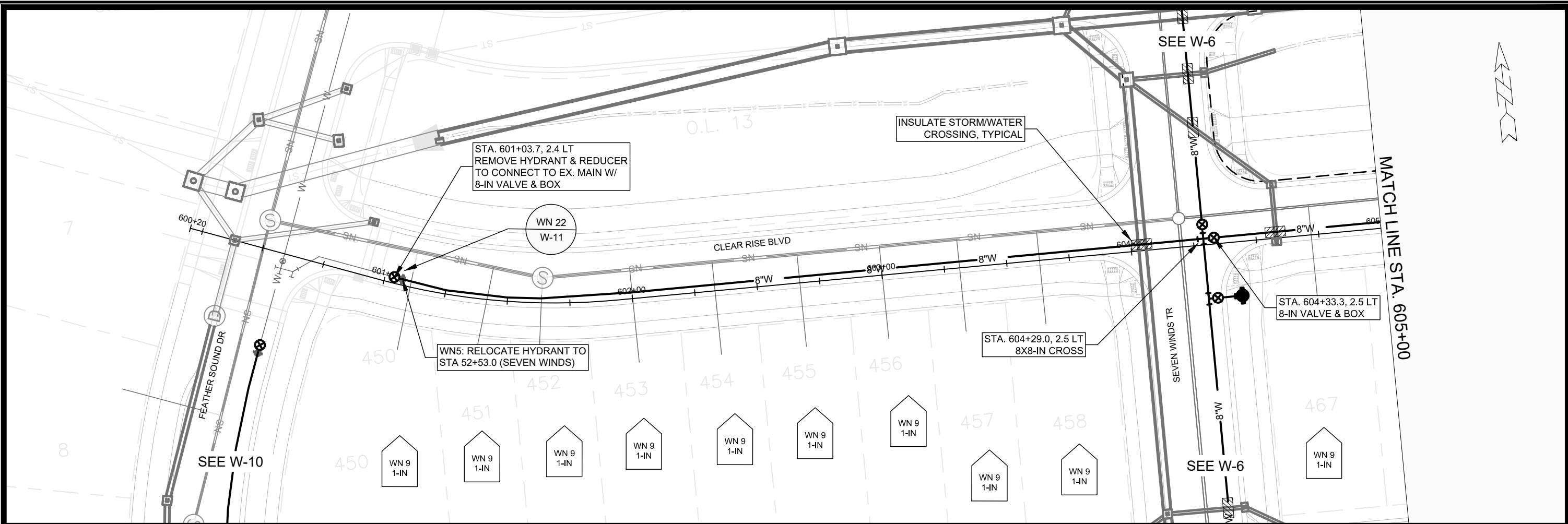
CITY OF MADISON, WISCONSIN

CONTRACT NO: 8966

13293

W-7

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

SCALE: 1" = 40'  
 DESIGNED BY: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
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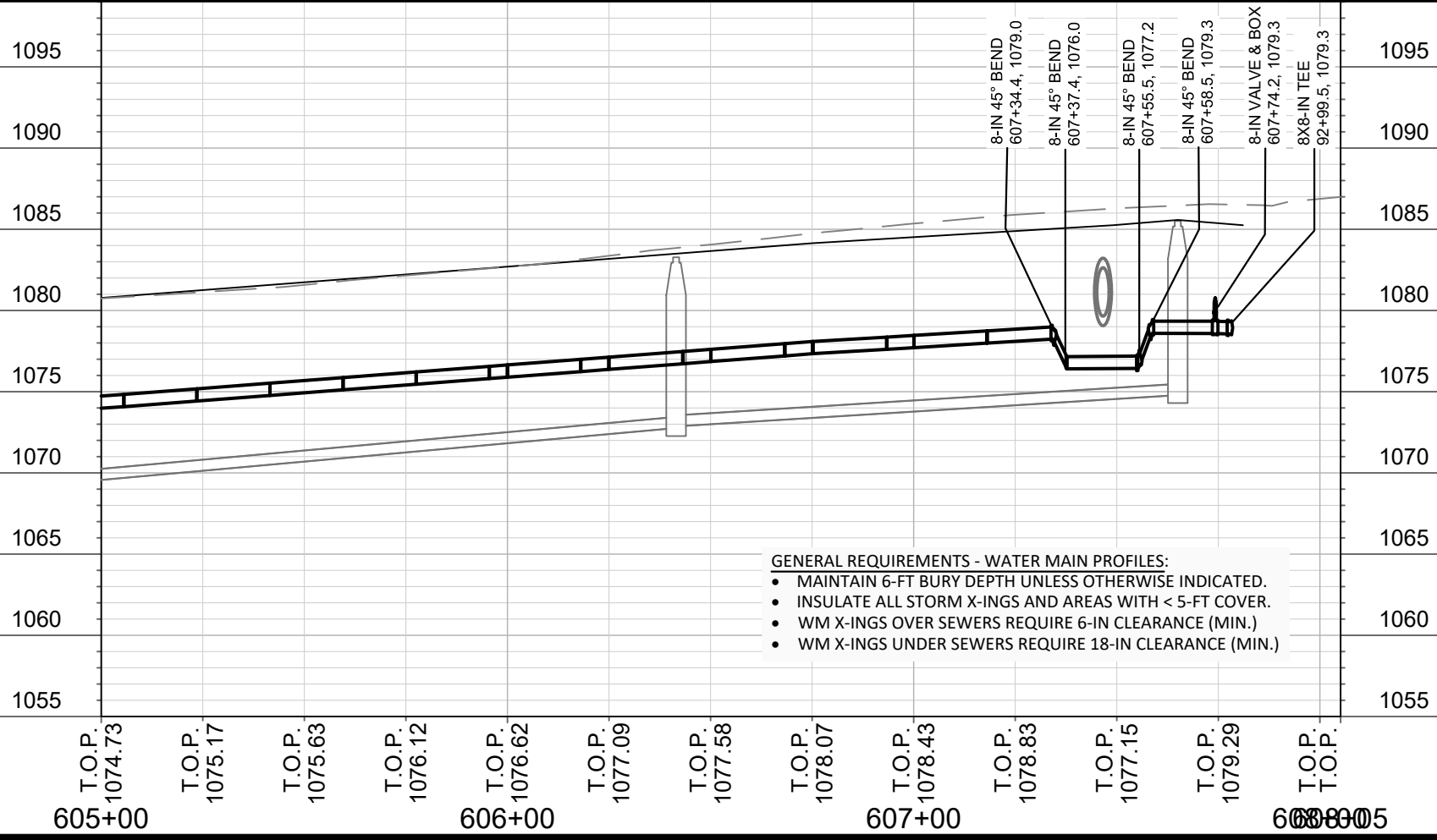
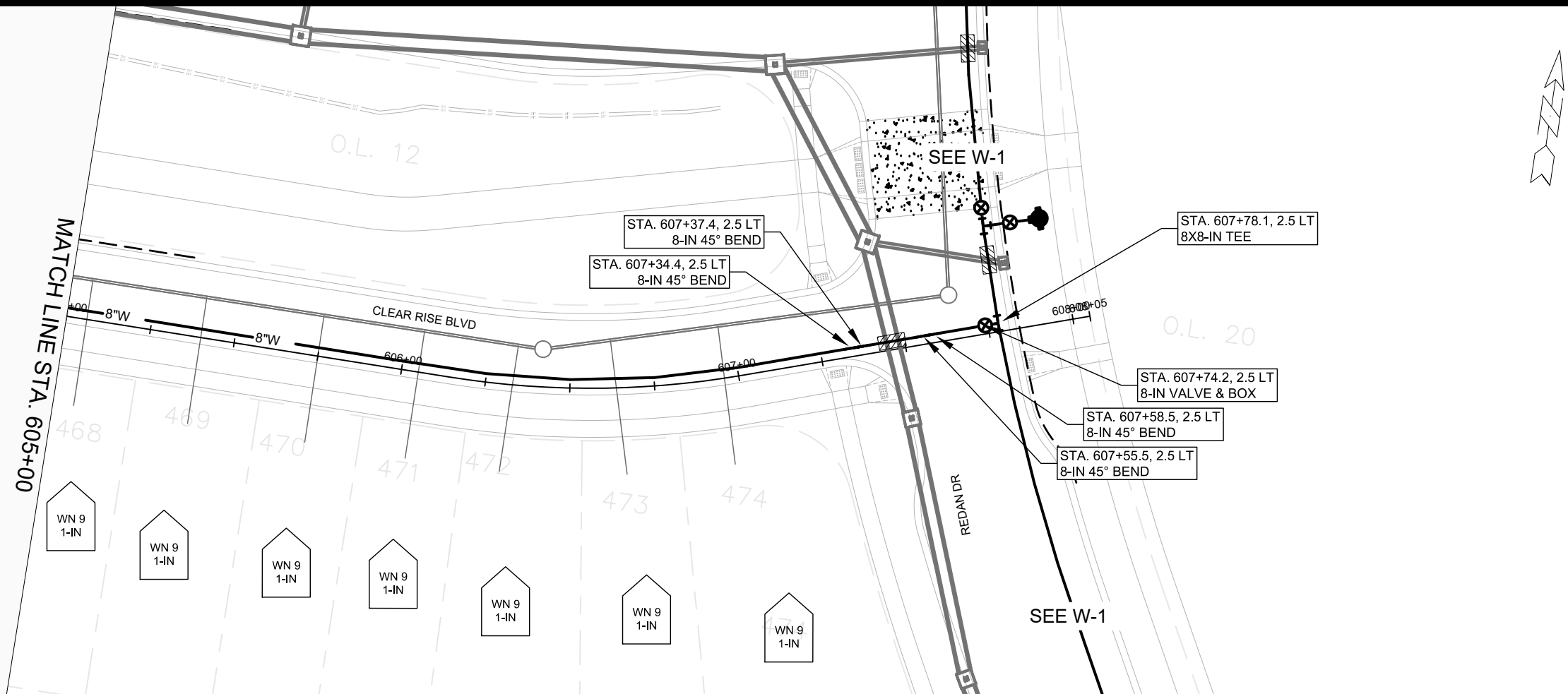
**ACACIA RIDGE: PHASE 5**  
 PLAN & PROFILE: CLEAR RISE BLVD WATER PLAN & PROFILE  
**CITY OF MADISON, WISCONSIN**

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CONTRACT NO: 8966

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13293  
 W-8



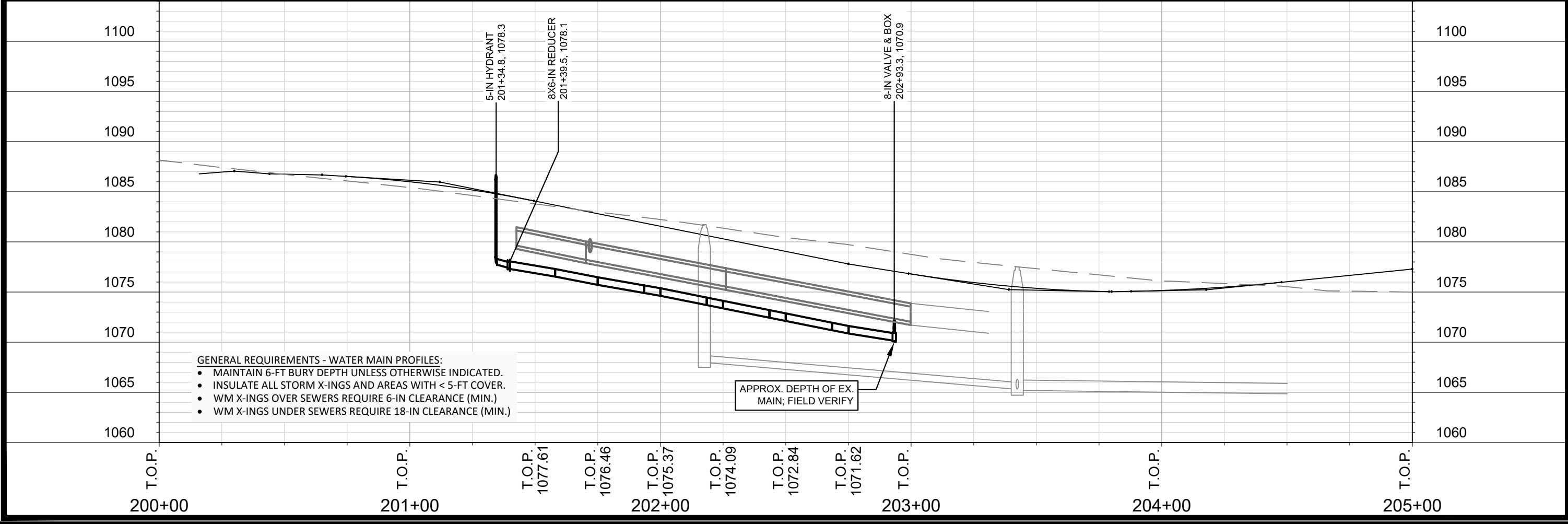
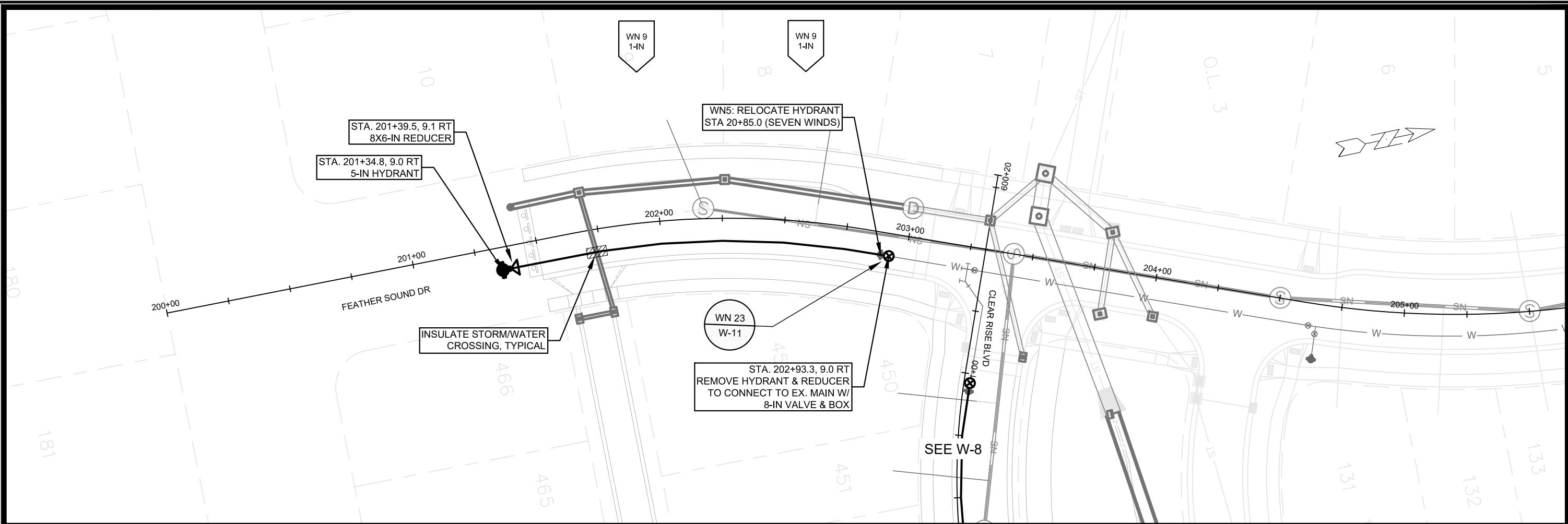
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SCALE: 1" = 40'  
 DESIGNED BY: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/8/21

ACACIA RIDGE: PHASE 5  
 PLAN & PROFILE: CLEAR RISE BLVD WATER PLAN & PROFILE  
 CITY OF MADISON, WISCONSIN  
 CONTRACT NO: 8966



13293  
 W-9

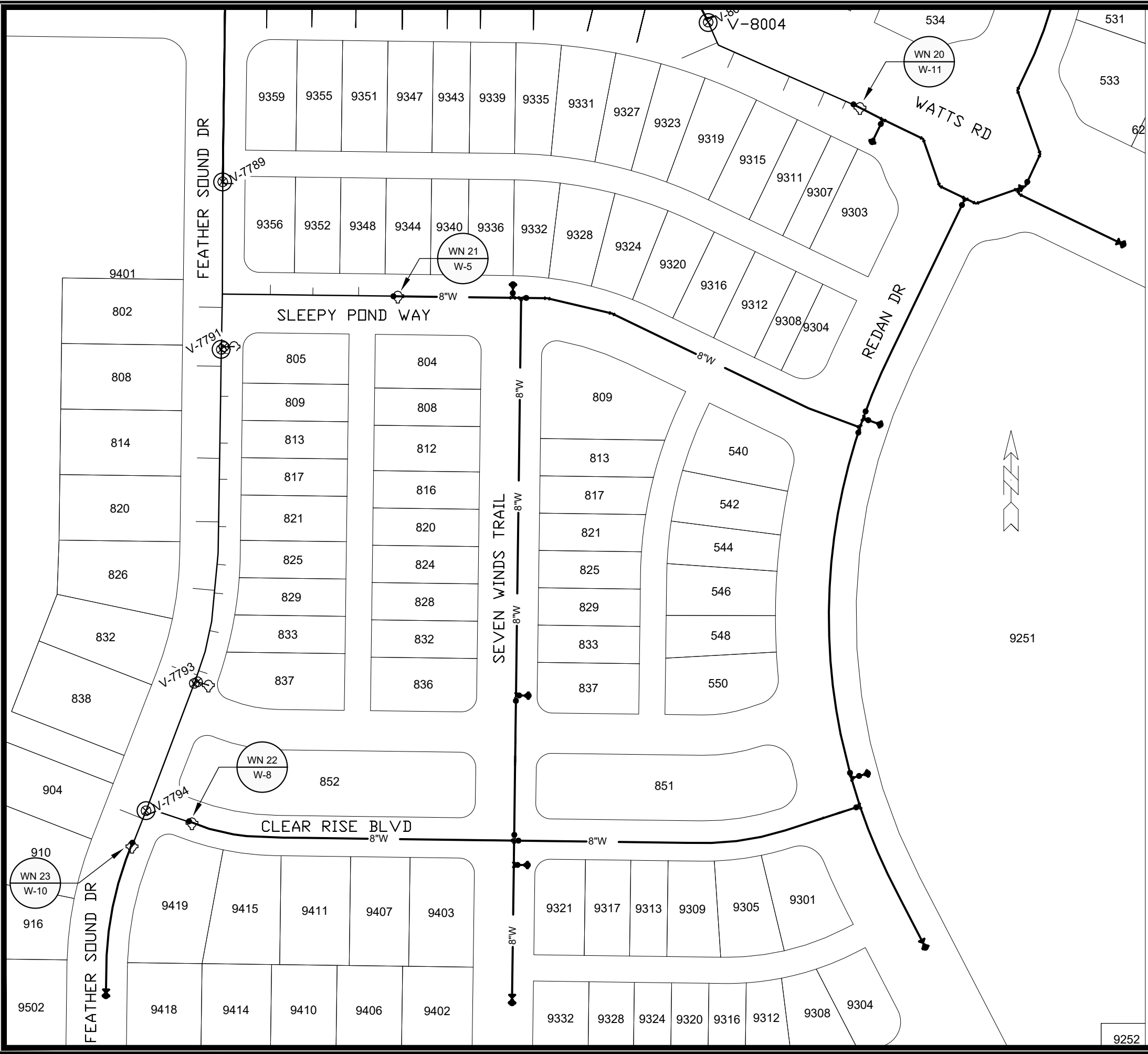


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 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/8/21

ACACIA RIDGE: PHASE 5  
 PLAN & PROFILE: FEATHER SOUND DRIVE WATER PLAN & PROFILE  
 CITY OF MADISON, WISCONSIN  
 CONTRACT NO: 8966

13293  
 W-10



WN20 W-11 CONNECT TO EX. 12IN @ WATTS RD.  
ISOLATION VALVES: V-8004  
NOTIFY: 9307-9323 WATTS RD

WN21 W-5 CONNECT TO EX. 8IN @ SLEEPY POND  
ISOLATION VALVES: V-7791 & V-7789  
NOTIFY: 802-904 FEATHER SOUND DR AND  
9348-9356 SLEEPY POND WAY

WN22 W-8 CONNECT TO EX. 8IN @ CLEAR RISE  
ISOLATION VALVES: V-7794  
NOTIFY: N/A

WN20 CONNECT TO EX. 8IN @ FEATHER SOUND  
ISOLATION VALVES: V-7794  
NOTIFY: 904 FEATHER SOUND

WN20 CONNECT TO EX. 12IN @ WATTS RD.  
ISOLATION VALVES:  
NOTIFY: 904 FEATHER SOUND

**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"=100'  
DESIGNED BY: KBM  
MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 4/8/21

CONTRACT NO: 8966

ACACIA RIDGE PHASE 5  
WATER IMPACT PLAN  
CITY OF MADISON, WISCONSIN



13293  
W-11



**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 REPARATION. CONTRACTOR IS RESPONSIBLE OR 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.

**ESTIMATE OF NEW MATERIALS\***

DESCRIPTION	QUANTITY	UNIT
6 INCH PIPE	140	LNFT
8 INCH PIPE	3225	LNFT
12 INCH PIPE	330	LNFT
6 INCH WATER VALVE	6	EACH
8 INCH WATER VALVE	13	EACH
12 INCH WATER VALVE	1	EACH
5 INCH HYDRANT	7	EACH
STYROFOAM INSULATION	144	LNFT
8 INCH 45° BEND	11	EACH
8 INCH 11.25° BEND	2	EACH
12 INCH 45° BEND	4	EACH
8X18 INCH OFFSET	2	EACH
8X6 INCH REDUCER	4	EACH
12X6 INCH REDUCER	1	EACH
12X8 INCH REDUCER	1	EACH
8X6 INCH TEE	5	EACH
8X8 INCH TEE	3	EACH
12X6 INCH TEE	1	EACH
12X8 INCH TEE	1	EACH
12X12 INCH TEE	1	EACH
8X8 INCH CROSS	1	EACH
1 INCH SERVICE LATERALS	34	EACH**

**ESTIMATE OF REUSED AND SALVAGED MATERIALS\***

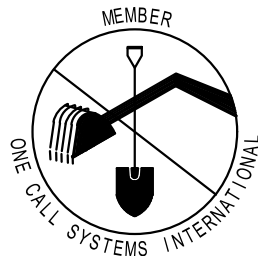
DESCRIPTION	QUANTITY	TYPE
5 INCH HYDRANT	4	REUSE

\* ESTIMATES OF MATERIALS ARE FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE OFF.

\*\* 1 INCH AND 2 INCH COPPER TUBING AS REQUIRED

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
 CALL DIGGERS HOTLINE TOLL FREE  
 811 OR 1-800-242-8511  
 FAX-A-LOCATE 1-800-338-3860  
 TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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



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

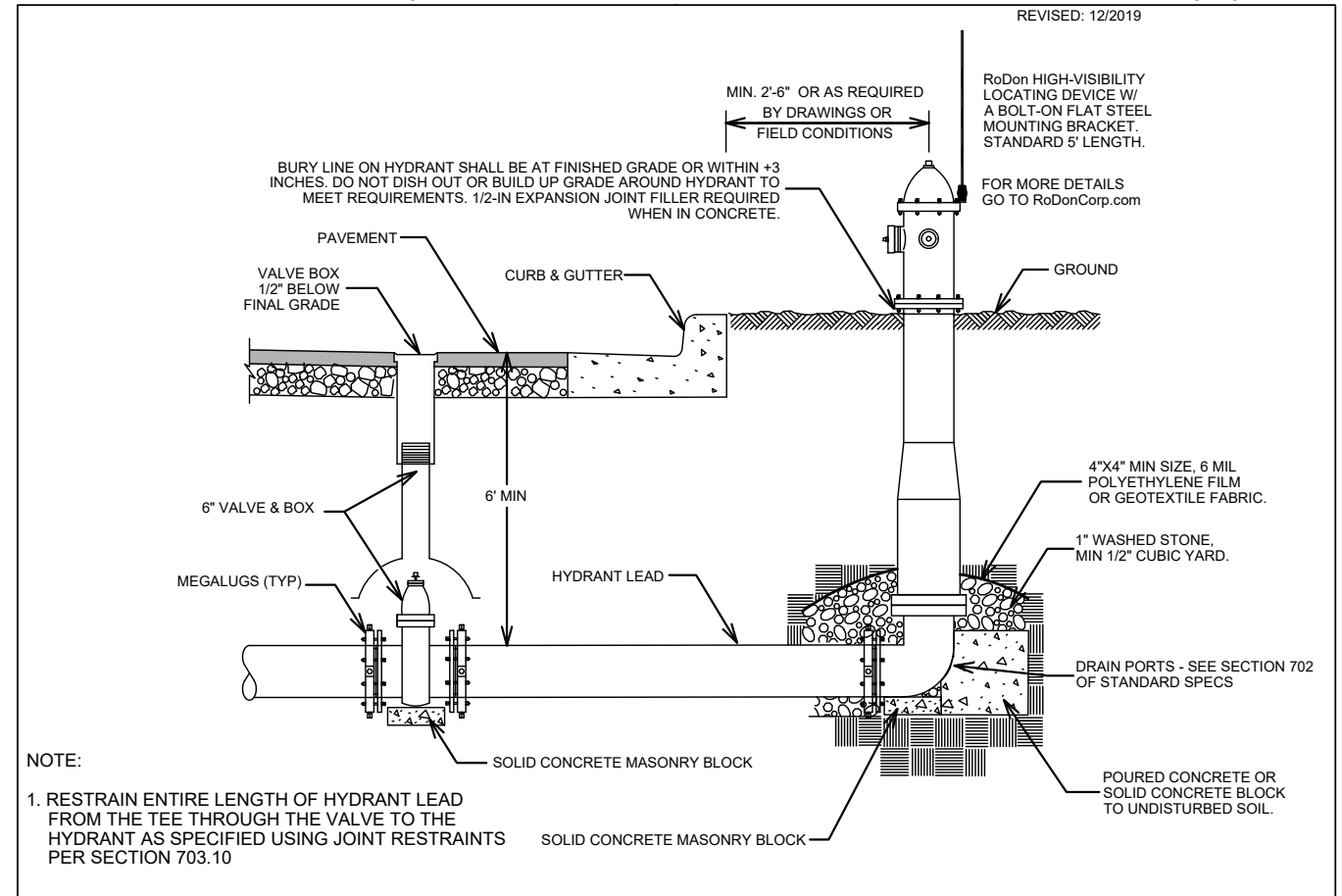
**WATER UTILITY ULO SCHEDULE**

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

**DETAIL DRAWING NO. 7.04**

REVISED: 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  
 DESIGNED BY: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 4/8/21

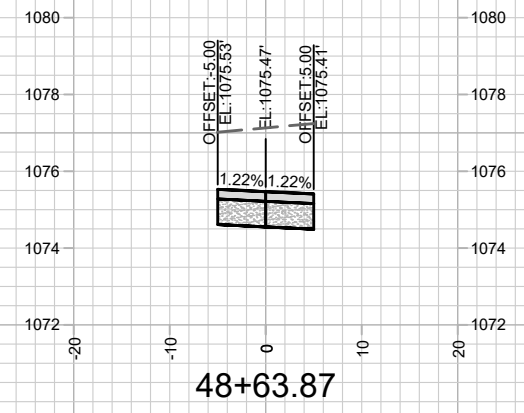
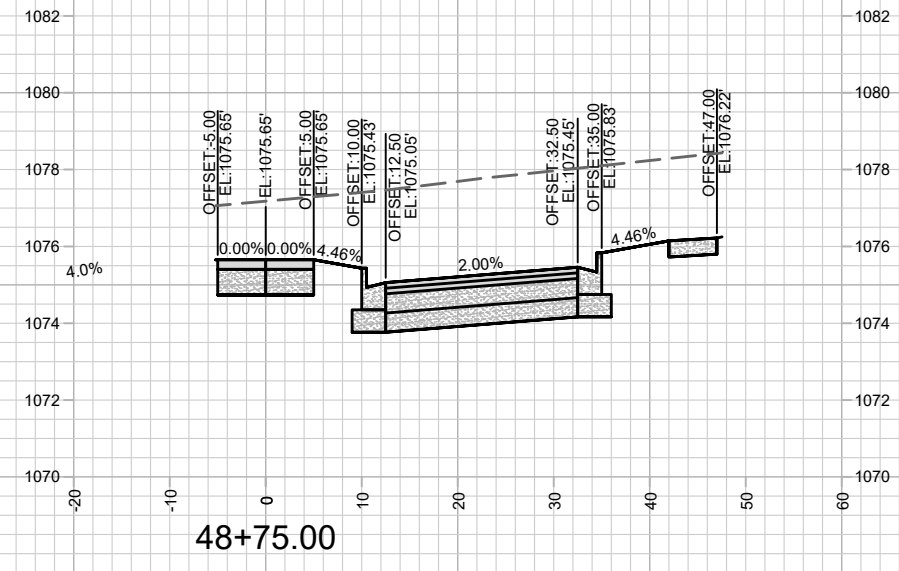
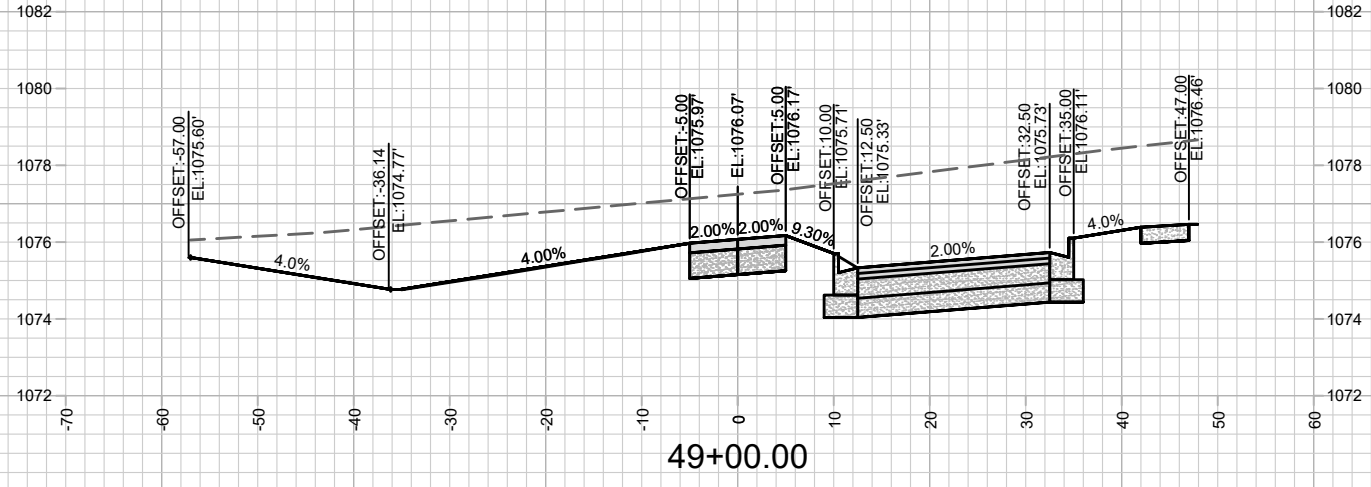
CONTRACT NO: 8966

ACACIA RIDGE PHASE 5  
 WATER ESTIMATE OF MATERIALS  
**CITY OF MADISON, WISCONSIN**



13293

W-12

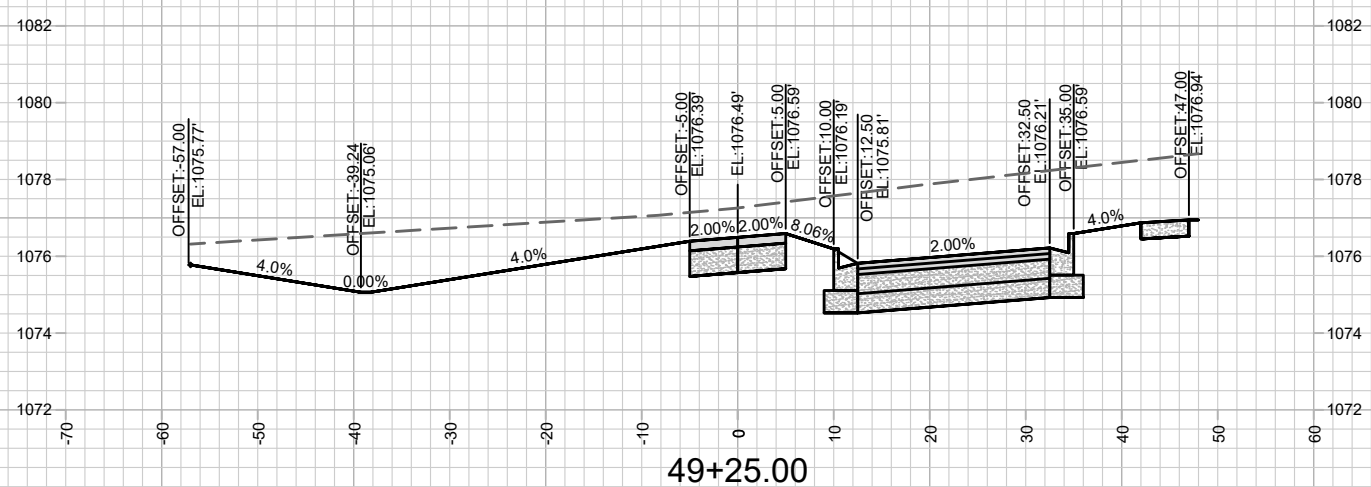
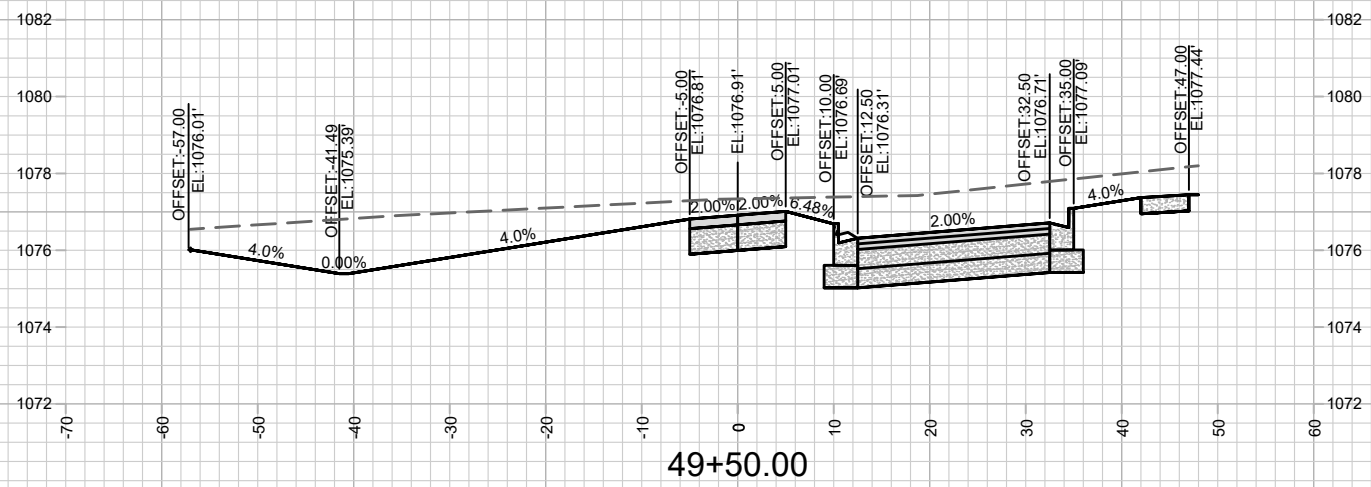
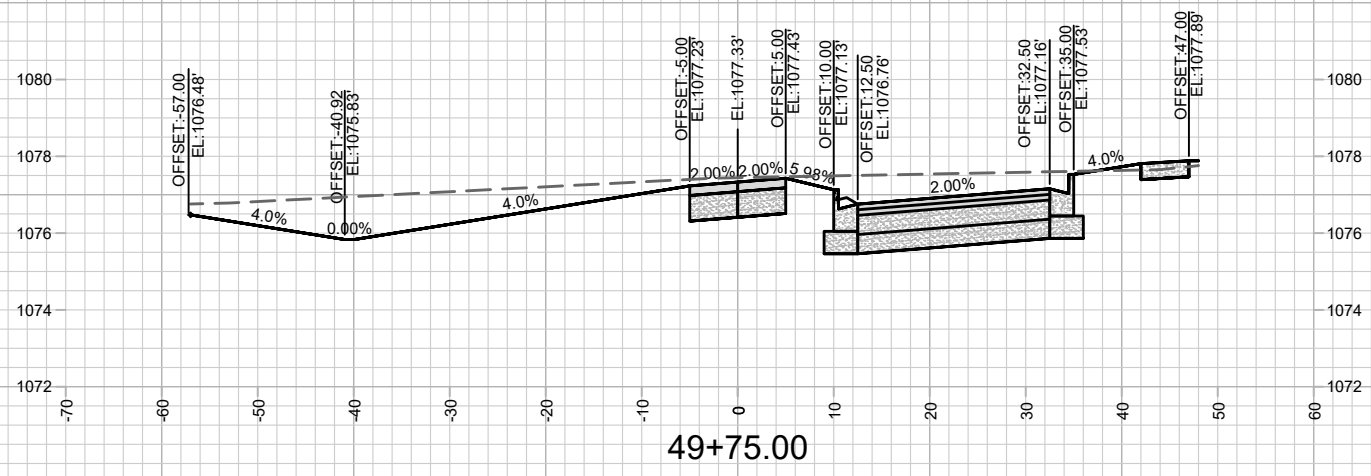


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 MADISON, WI  
 ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS  
 ACACIA RIDGE: PHASE 5  
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 CONTRACT NO: 8966



13293  
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 MADISON, WI  
 8966  
 CONTRACT NO:

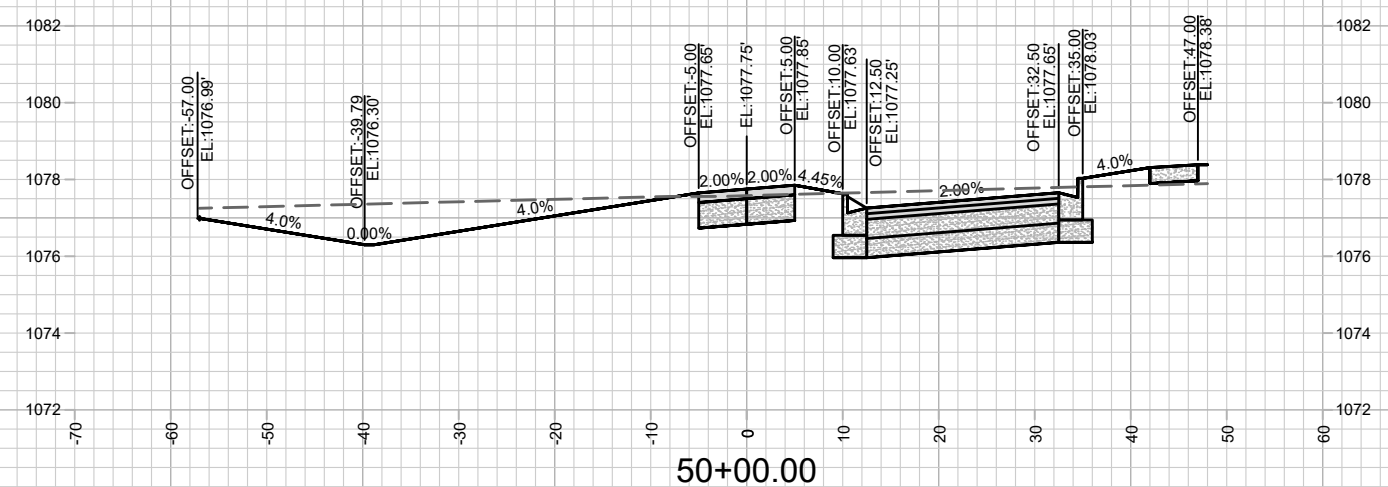
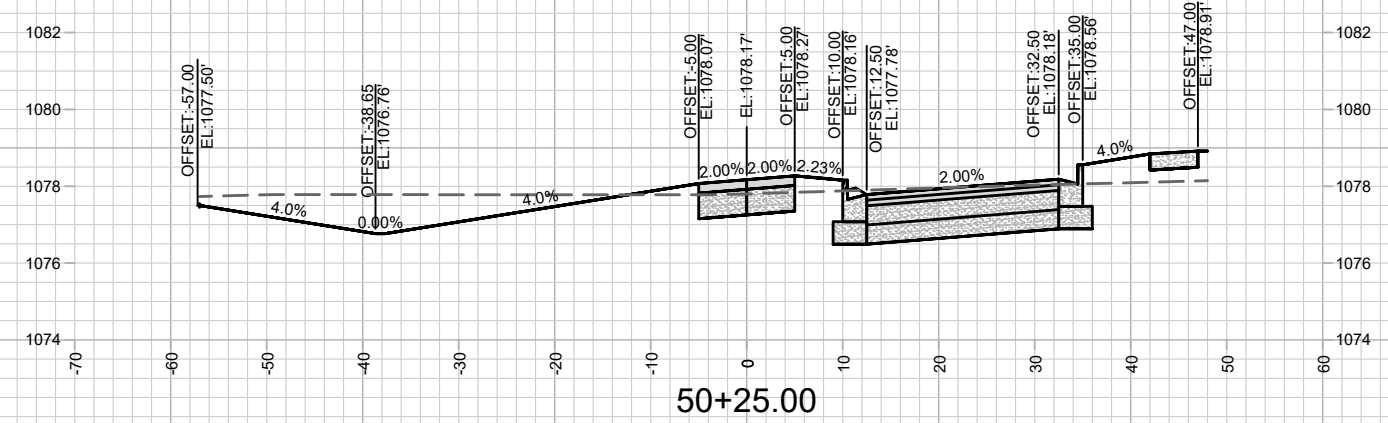
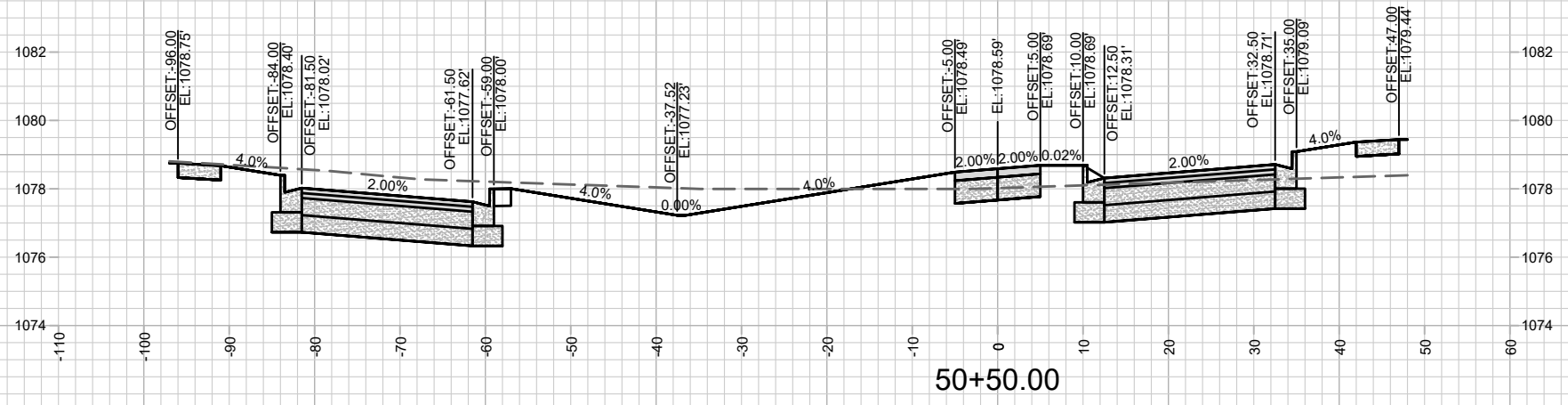


13293  
 X-2

ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS  
 ACACIA RIDGE: PHASE 5

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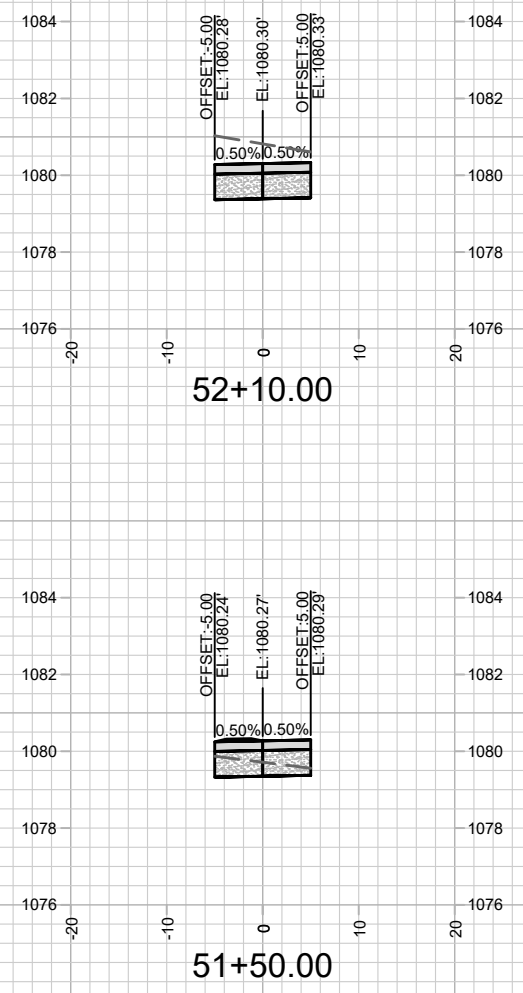
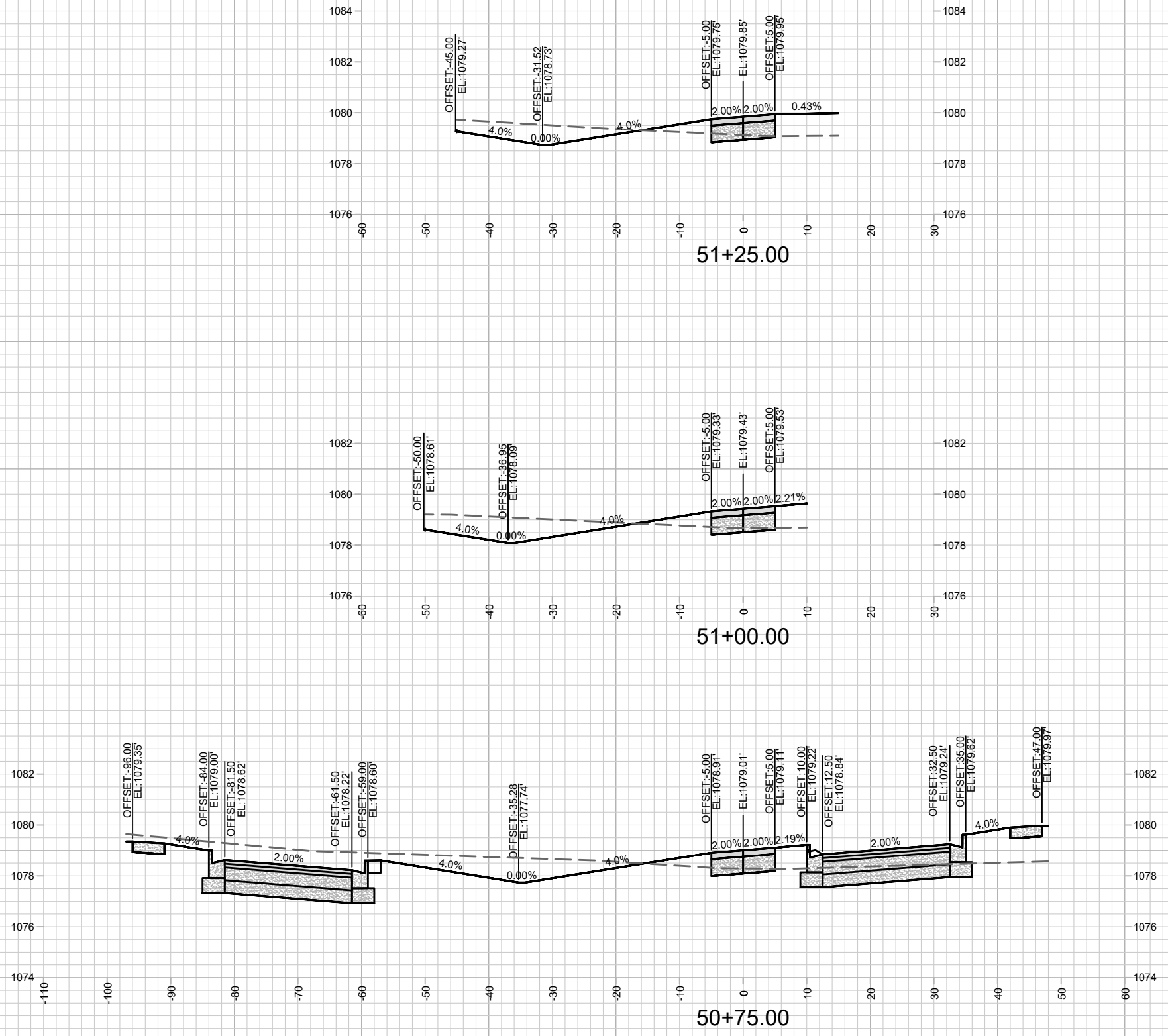


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 MADISON, WI  
 8966  
 CONTRACT NO:

ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS  
 ACACIA RIDGE: PHASE 5  
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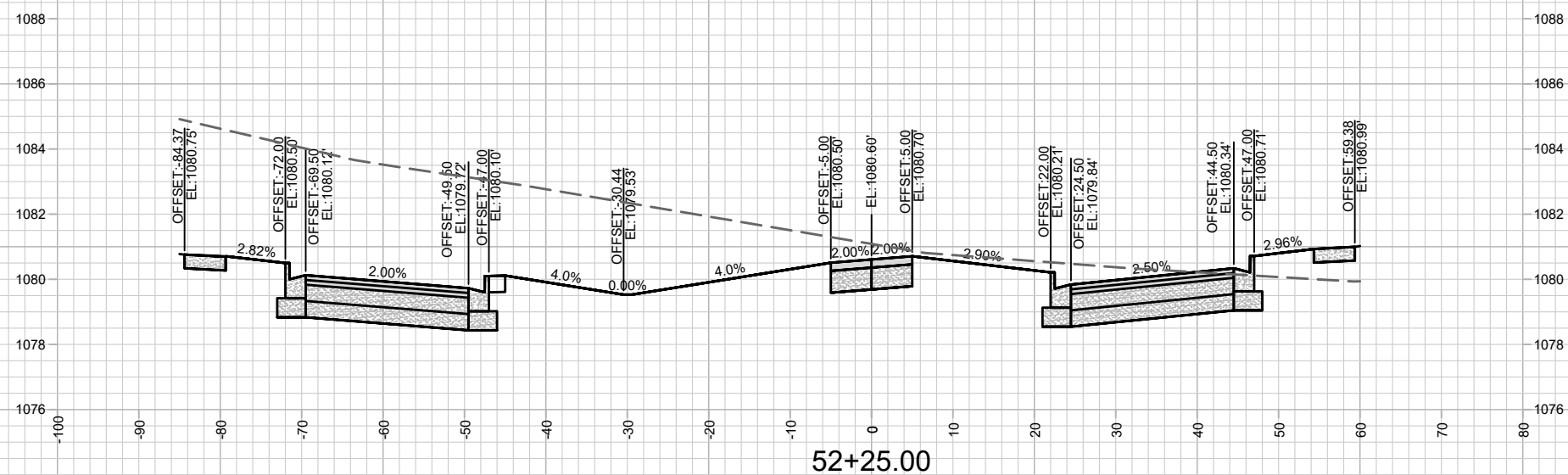
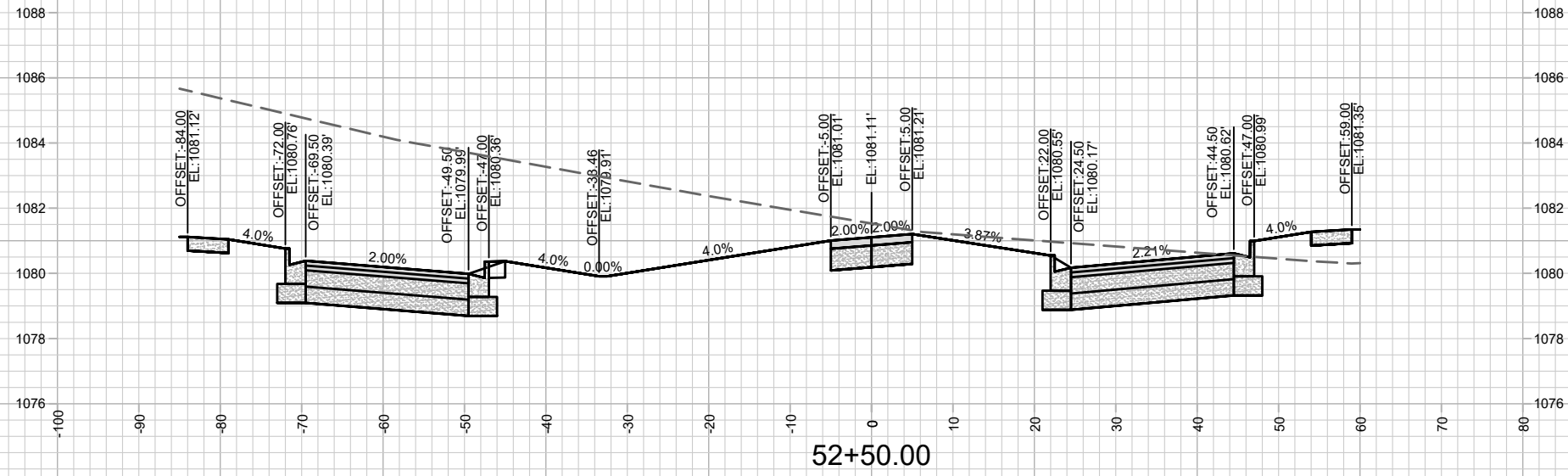




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 MADISON, WI  
 8966  
 CONTRACT NO:  
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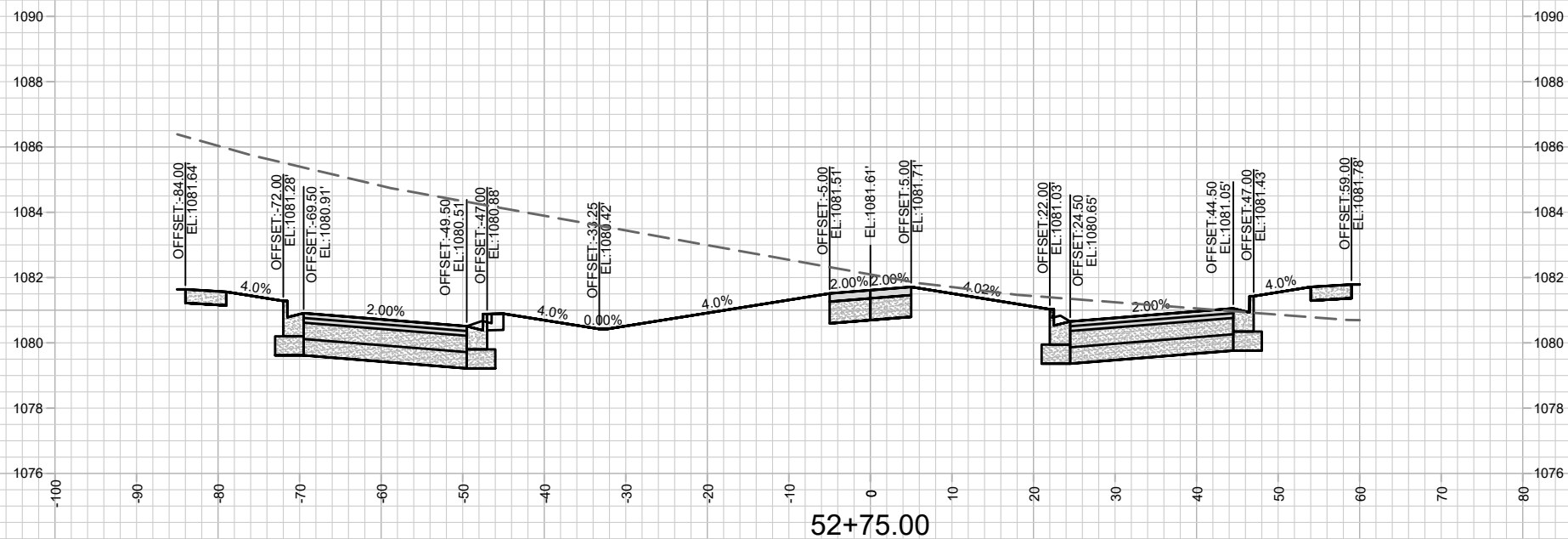
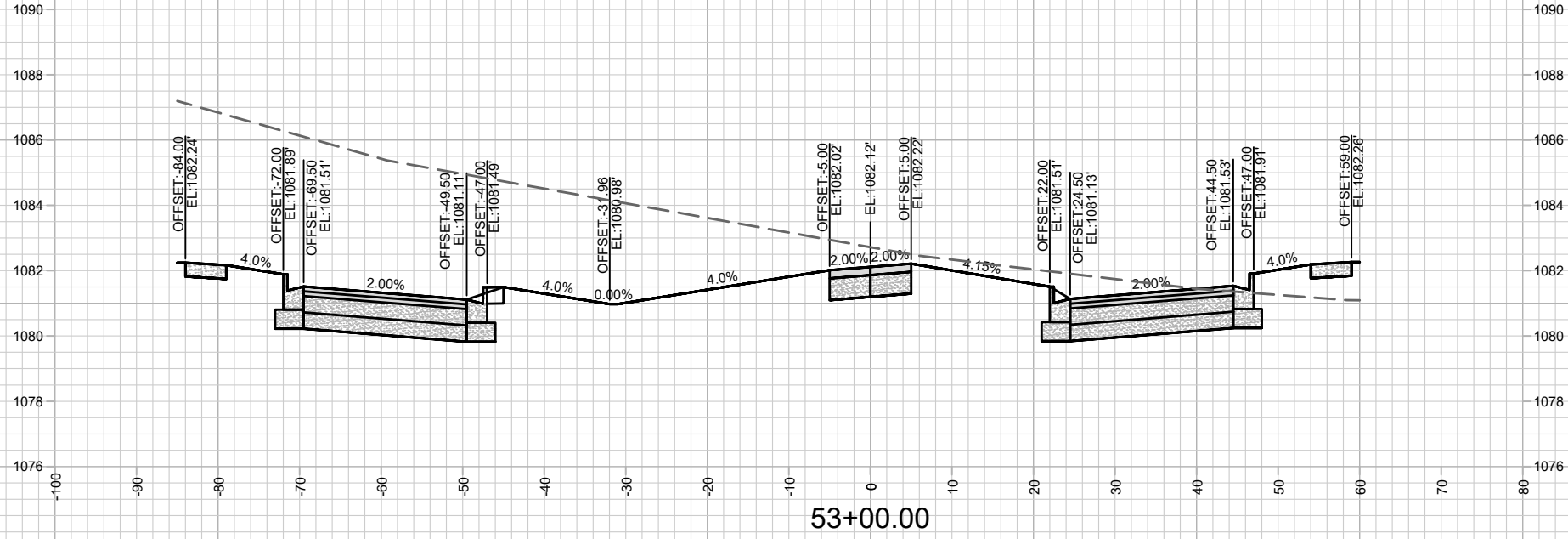
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MADISON, WI  
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ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS  
ACACIA RIDGE: PHASE 5  
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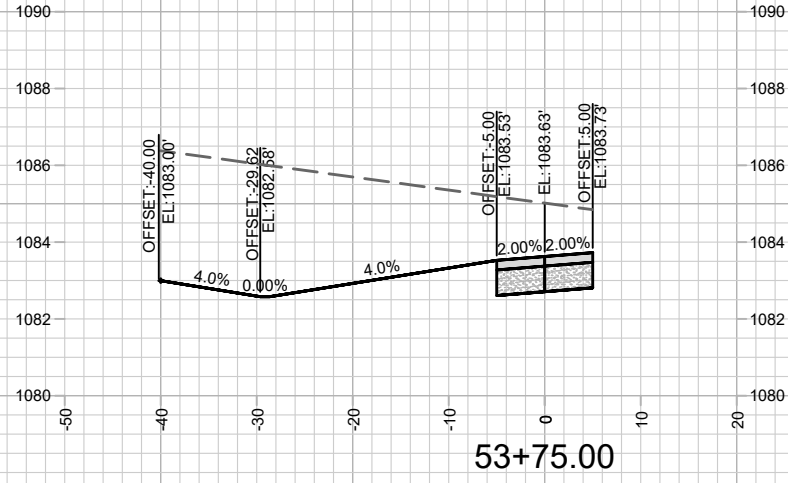
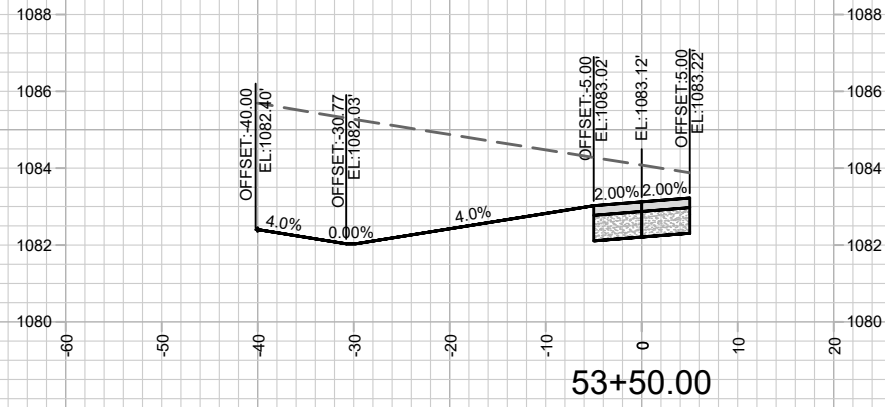
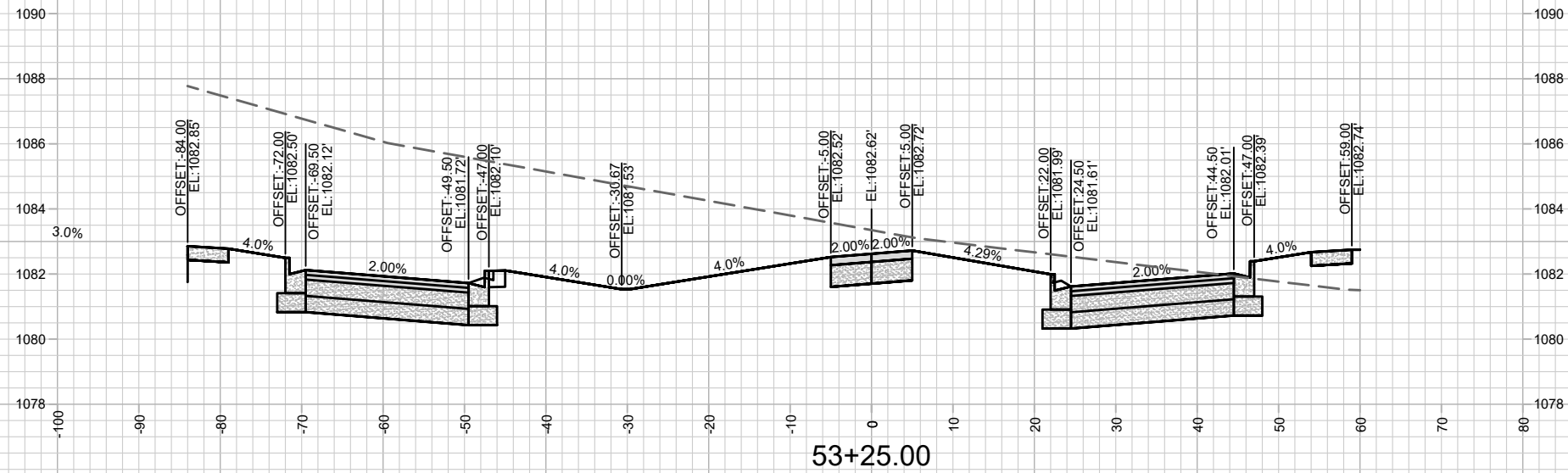
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 MADISON, WI  
 8966  
 CONTRACT NO:



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ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS  
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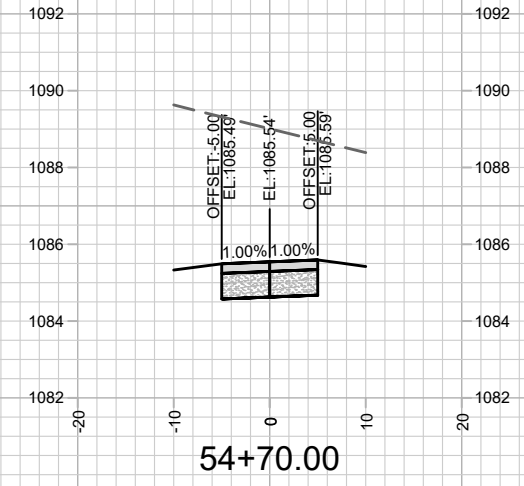
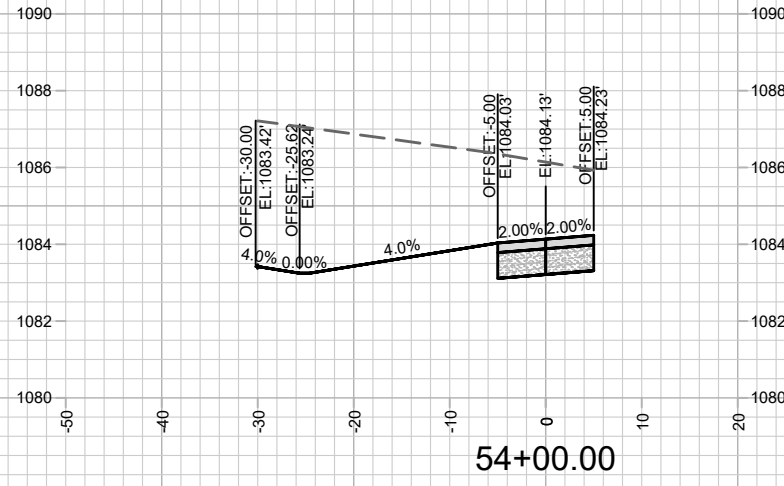
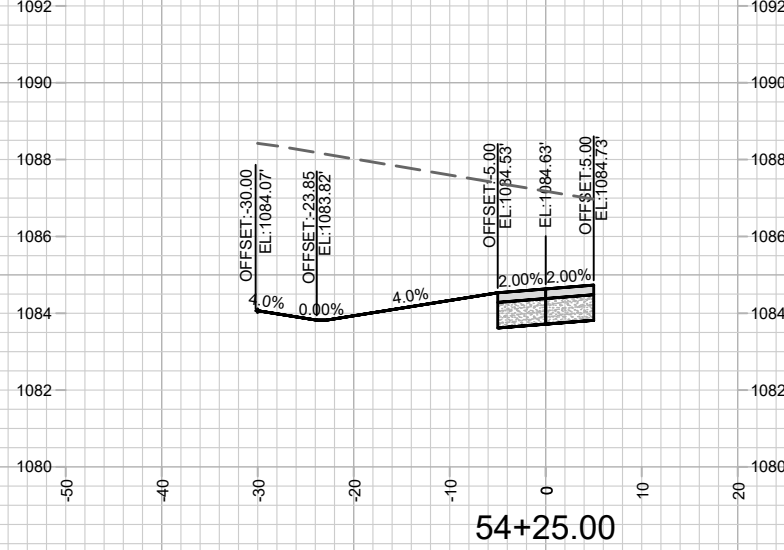
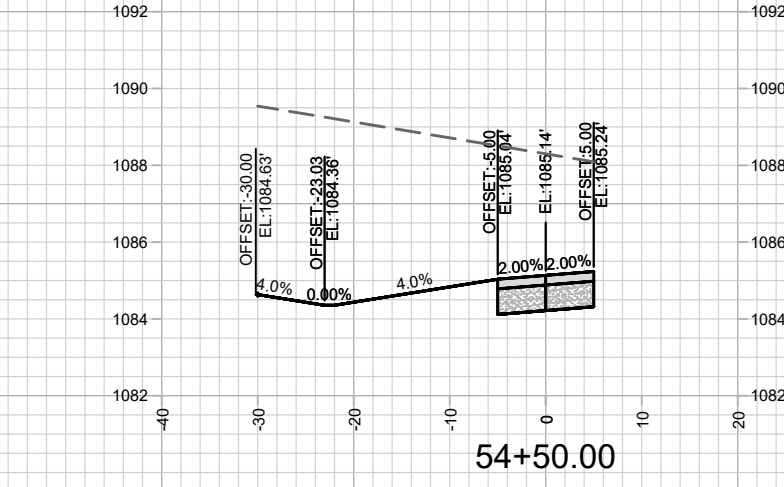


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ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS  
ACACIA RIDGE: PHASE 5

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MADISON, WI  
CONTRACT NO: 8966

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 MADISON, WI  
 8966  
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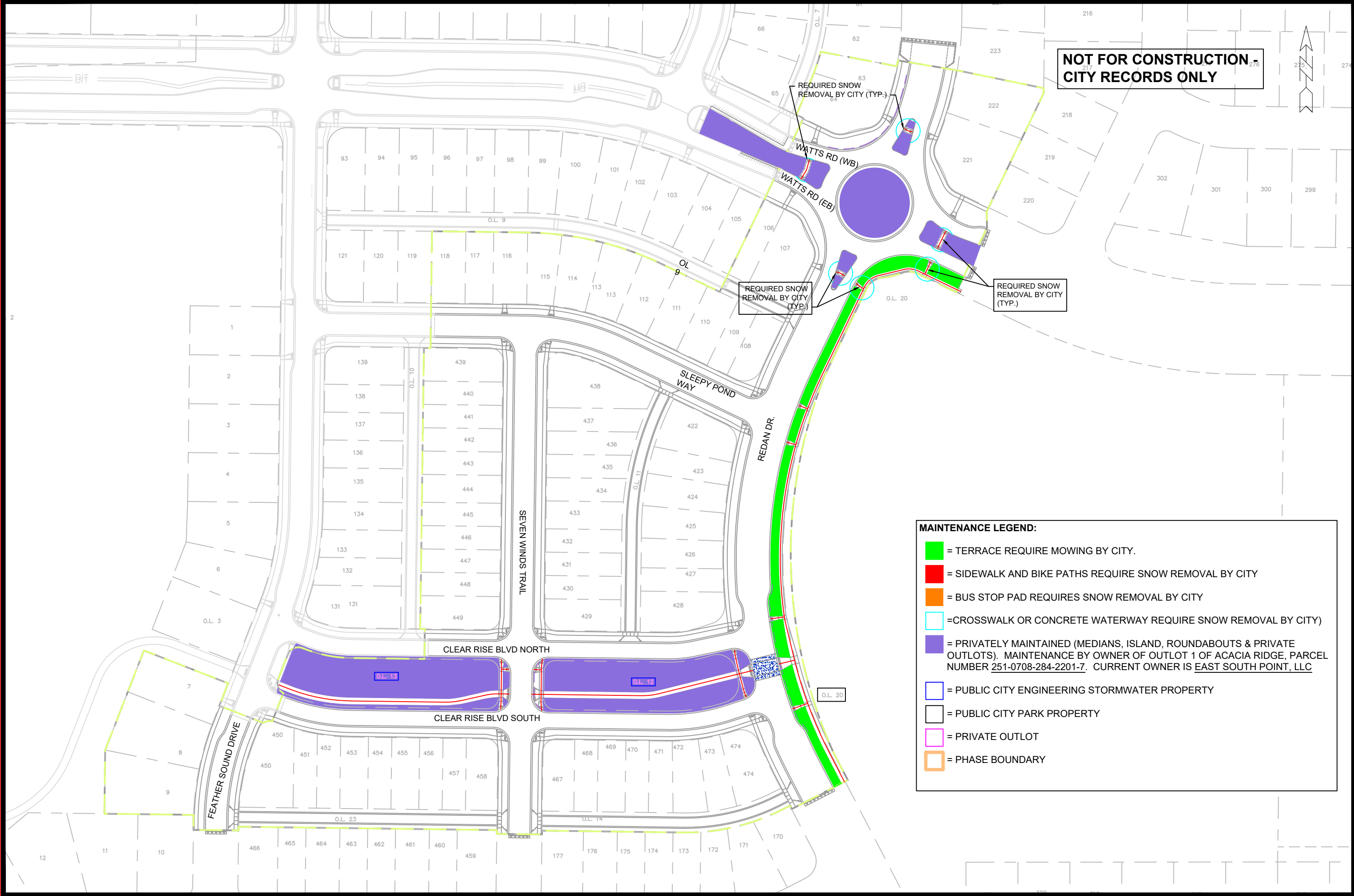


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ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS

ACACIA RIDGE: PHASE 5

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**NOT FOR CONSTRUCTION -  
CITY RECORDS ONLY**

REQUIRED SNOW  
REMOVAL BY CITY (TYP.)

REQUIRED SNOW  
REMOVAL BY CITY  
(TYP.)

REQUIRED SNOW  
REMOVAL BY CITY  
(TYP.)

**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). MAINTENANCE BY OWNER OF OUTLOT 1 OF ACACIA RIDGE, PARCEL NUMBER 251-0708-284-2201-7. CURRENT OWNER IS EAST SOUTH POINT, LLC
- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = PUBLIC CITY PARK PROPERTY
- = PRIVATE OUTLOT
- = PHASE BOUNDARY

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8966  
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13293EN-MAINTENANCE  
ACACIA RIDGE: PHASE 5  
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MN-1