CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

Madison, Wisconsin

ACACIA RIDGE: PHASE 5

CITY PROJECT NO. 13293
CONTRACT NO. 8966

INDEX OF SHEETS

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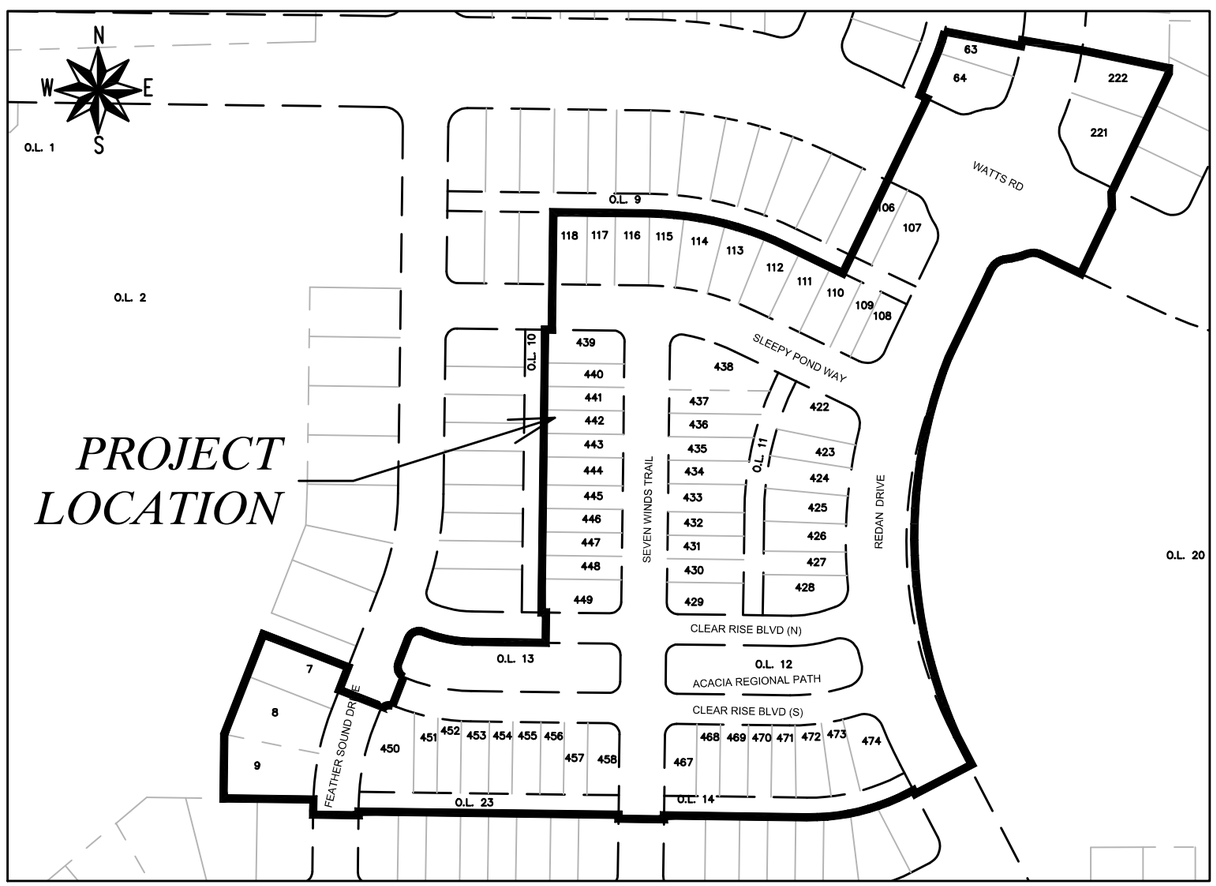
SHEET NO.	W1-W12	WATER PLANS
SHEET NO.	X1-X8	CROSS SECTIONS
SHEET NO.	MN-1	MAINTENANCE MAP



PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 5, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

W. Greg Fries — Apr 9, 2021

City Engineer — Date

STREET GRADES DESIGNED BY:

WISCONSIN JOHN P. SAPP E-44054 JANESVILLE WI PROFESSIONAL ENGINEER

Apr 9, 2021

STORM SEWER DESIGNED BY:

WISCONSIN JANET SCHMIDT E-34681 MADISON WI PROFESSIONAL ENGINEER

Apr 9, 2021

SANITARY SEWER DESIGNED BY:

WISCONSIN MARK D. MODER E-33979 MADISON WI PROFESSIONAL ENGINEER

Apr 9, 2021

STREET GEOMETRICS DESIGNED BY:

WISCONSIN MARK S WINTER E-39453 MADISON WI PROFESSIONAL ENGINEER

Apr 9, 2021

WATER DESIGNED BY:

WISCONSIN KELLY B MIESS E-41821 MADISON WI PROFESSIONAL ENGINEER

Apr 9, 2021

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

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	CAUTION

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

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13293

MADISON, WI

CONTRACT NO: 8966

STANDARD NOTES AND COMMENTS

ACACIA RIDGE: PHASE 5

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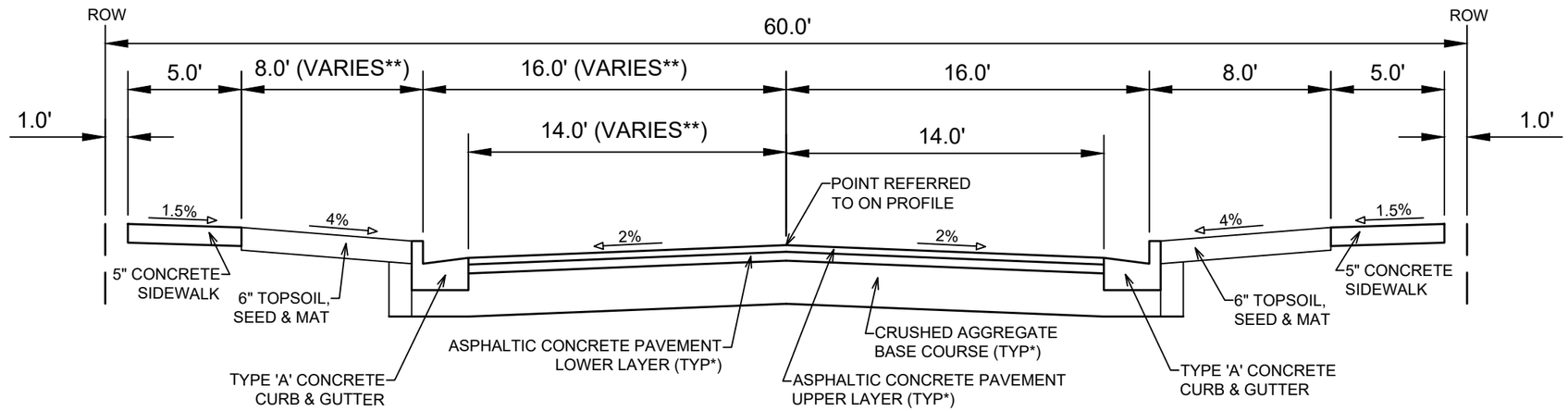
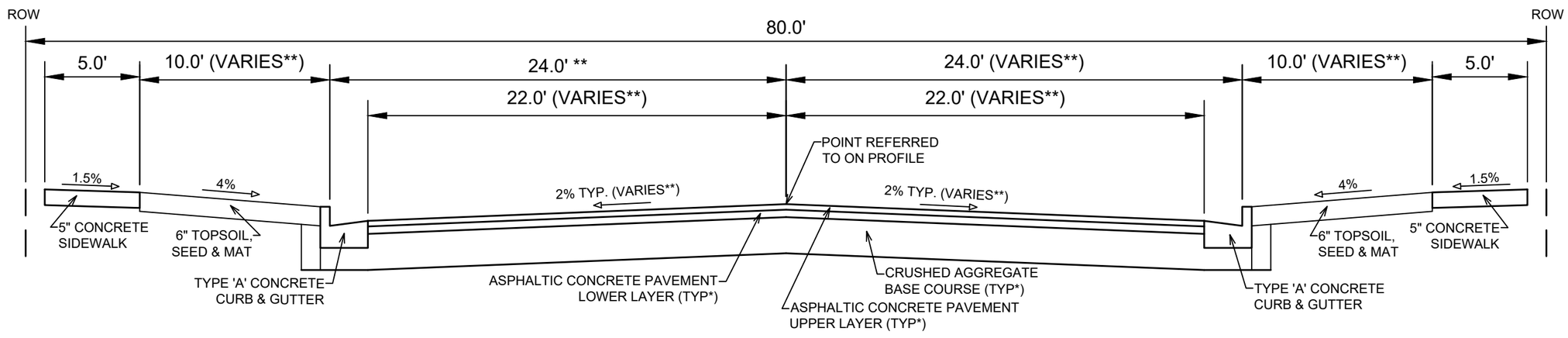


TYPICAL SECTION

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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13293

MADISON, WI

8966

CONTRACT NO:

TYPICAL SECTIONS

ACACIA RIDGE: PHASE 5

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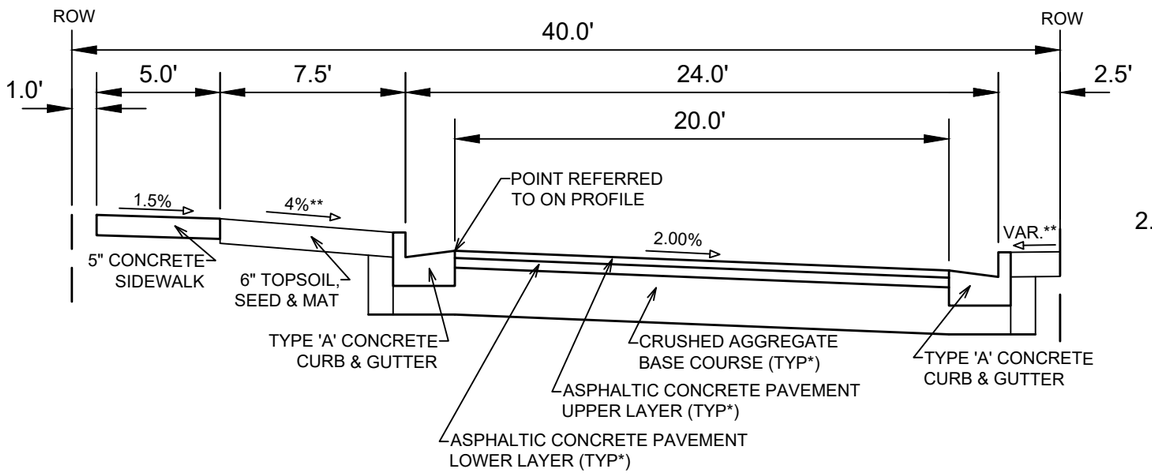
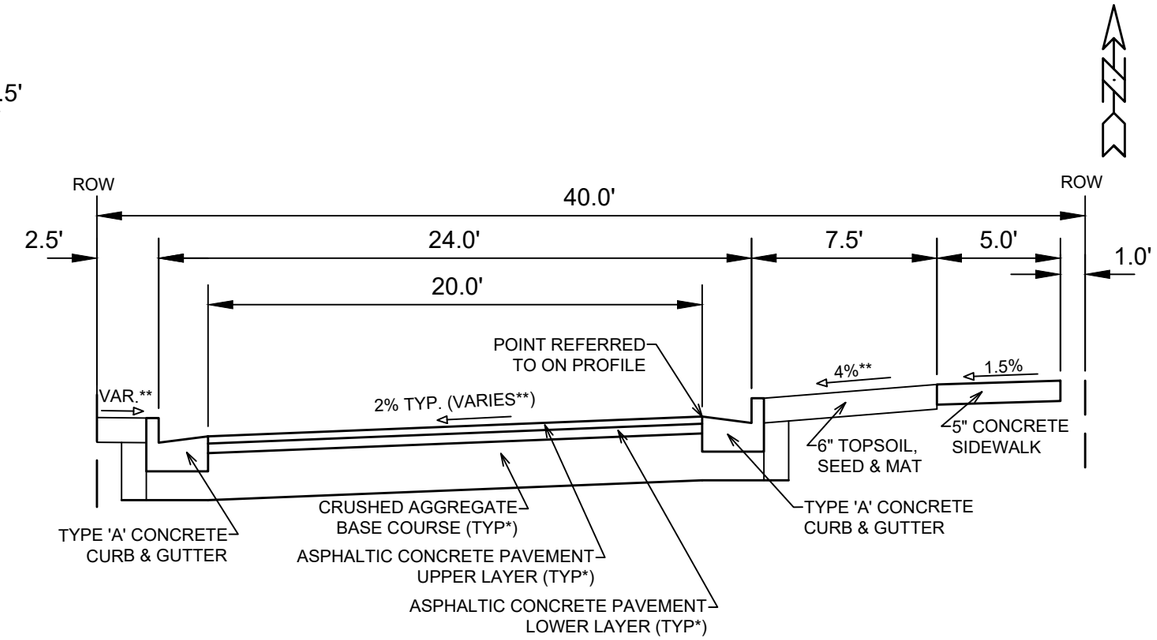


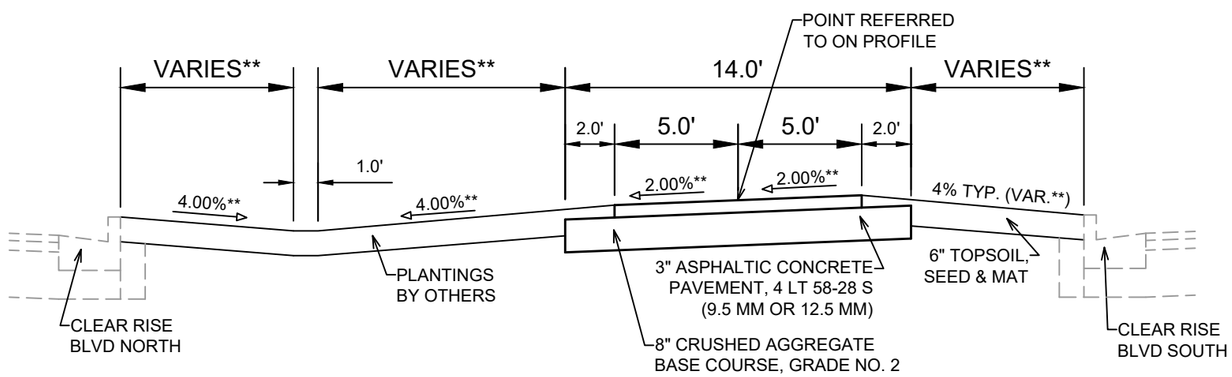
TYPICAL SECTION

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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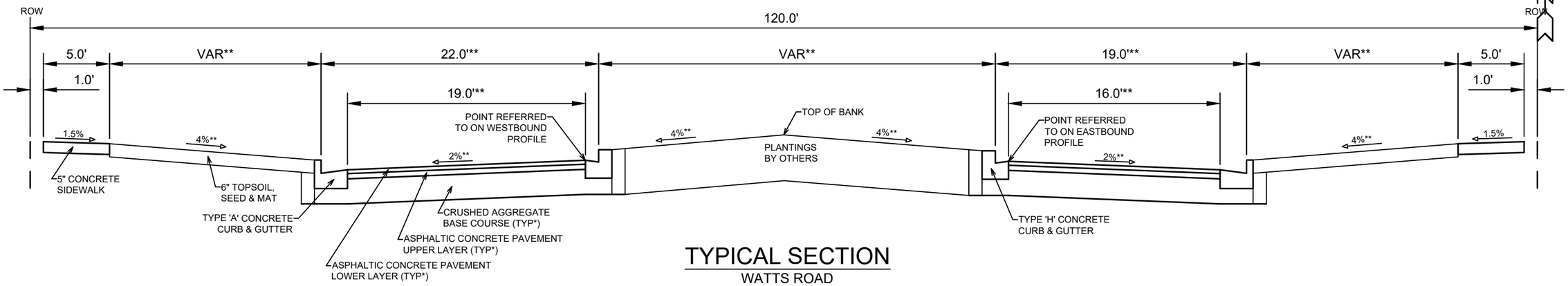
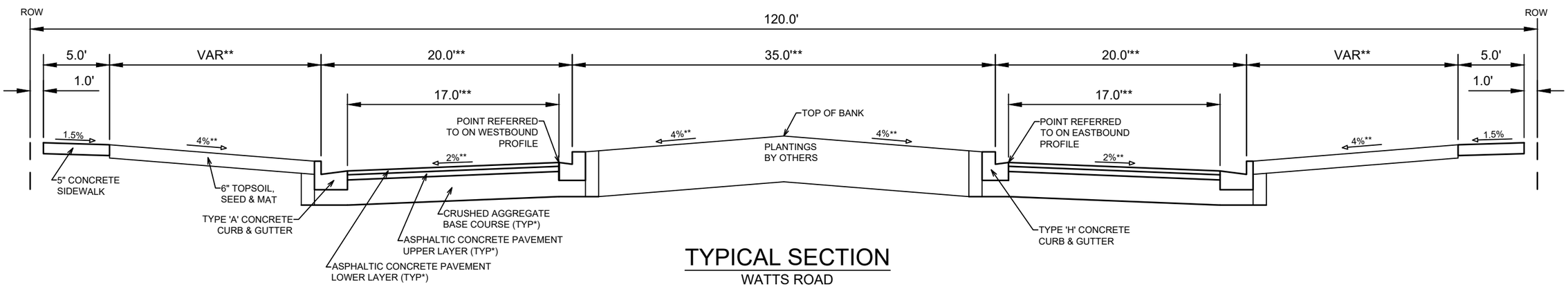


TYPICAL SECTION

WATTS ROAD
STA 555+71 TO STA 556+20 (WESTBOUND)
STA 655+49 TO STA 656+03 (EASTBOUND)



TYPICAL SECTION

WATTS ROAD
STA 557+60 TO STA 558+44 (WESTBOUND)
STA 657+50 TO STA 658+32 (EASTBOUND)

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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MADISON, WI

CONTRACT NO: 8966

TYPICAL SECTIONS

ACACIA RIDGE: PHASE 5

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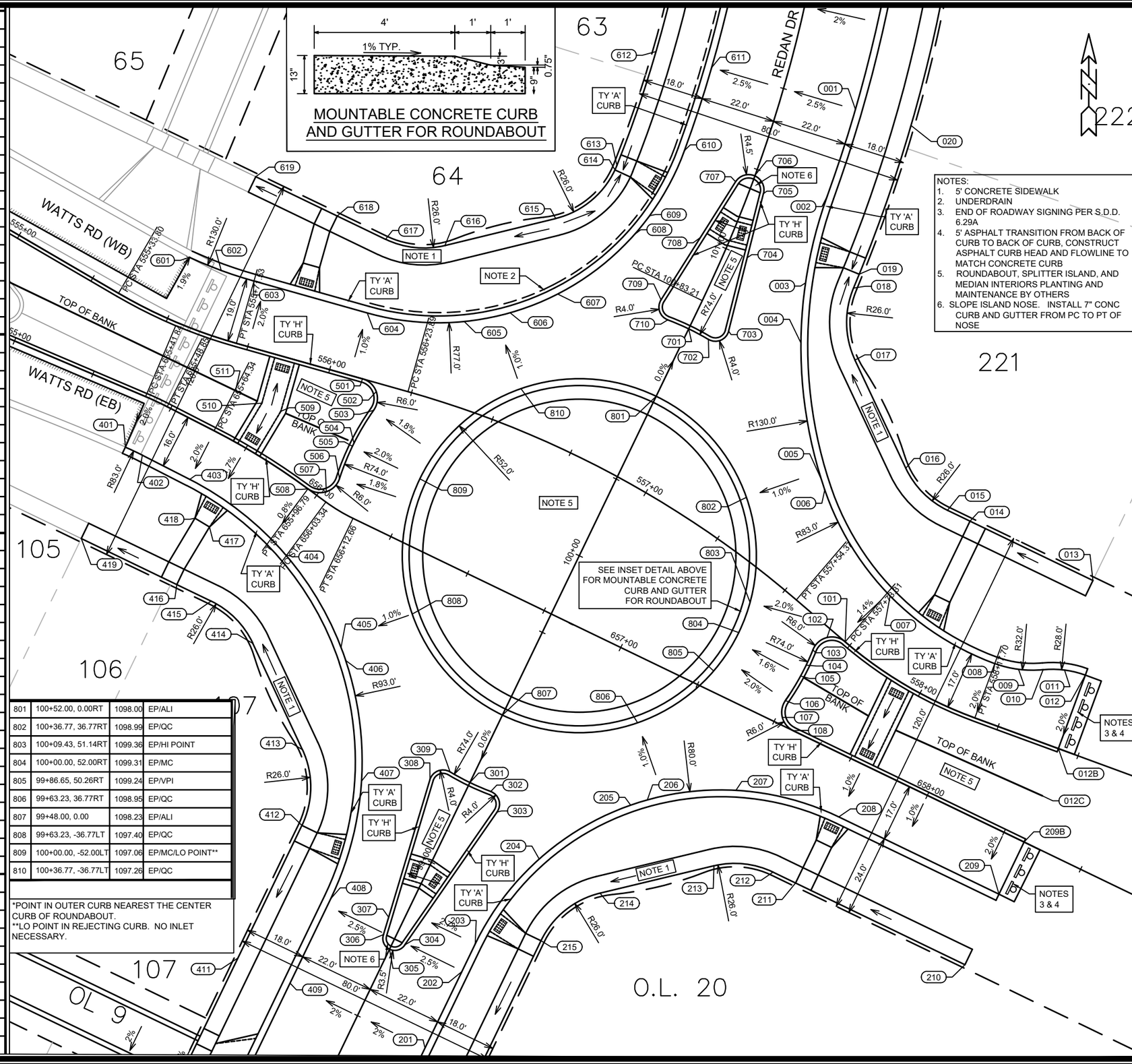
ROUNDABOUT DETAIL			
PNT	STA & OFF	ELEV.	COMMENT
001	101+50.00, 22.00RT	1098.58	EP/VPI
002	101+24.51, 22.00RT	1098.42	EP/PC
003	101+00.00, 25.43RT	1098.29	EP/LO POINT
004	100+84.49, 31.51RT	1098.44	EP/MC
005	557+38.59, -32.09LT	1099.24	EP/NEAREST CEN.*
006	557+41.01, -30.29LT	1099.30	EP/PCC
007	557+74.75, -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	1103.22	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/
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/HI 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/HI 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/HI 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	656+96.11, -34.87LT	1096.64	EP/MC
503	655+98.62, -30.02LT	1096.71	EP/PRC/HI 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/HI POINT
508	655+96.79, 0.00	1096.67	EP/PRC
509	655+78.19, -14.52LT	1096.49	BW/HI POINT
510	655+72.58, -13.79LT	1096.36	BW/HI POINT
511	655+64.56, -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/HI 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/HI 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/HI POINT
704	101+00.00, 6.76RT	1097.82	EP/LO POINT
705	101+18.99, 4.14RT	1098.03	EP/PC/HI 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	EP/ALI
802	100+36.77, 36.77RT	1098.99	EP/QC
803	100+09.43, 51.14RT	1099.36	EP/HI 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	EP/QC
807	99+48.00, 0.00	1098.23	EP/ALI
808	99+63.23, -36.77LT	1097.40	EP/QC
809	100+00.00, -52.00LT	1097.06	EP/MC/LO POINT**
810	100+36.77, -36.77LT	1097.26	EP/QC

*POINT IN OUTER CURB NEAREST THE CENTER CURB OF ROUNDABOUT.
**LO POINT IN REJECTING CURB. NO INLET NECESSARY.



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Designed By: AJC Date: 4/9/2021 10:48 AM Scale: ########

13293

MADISON, WI

CONTRACT NO: 8966

ROUNDABOUT DETAIL

ACACIA RIDGE: PHASE 5

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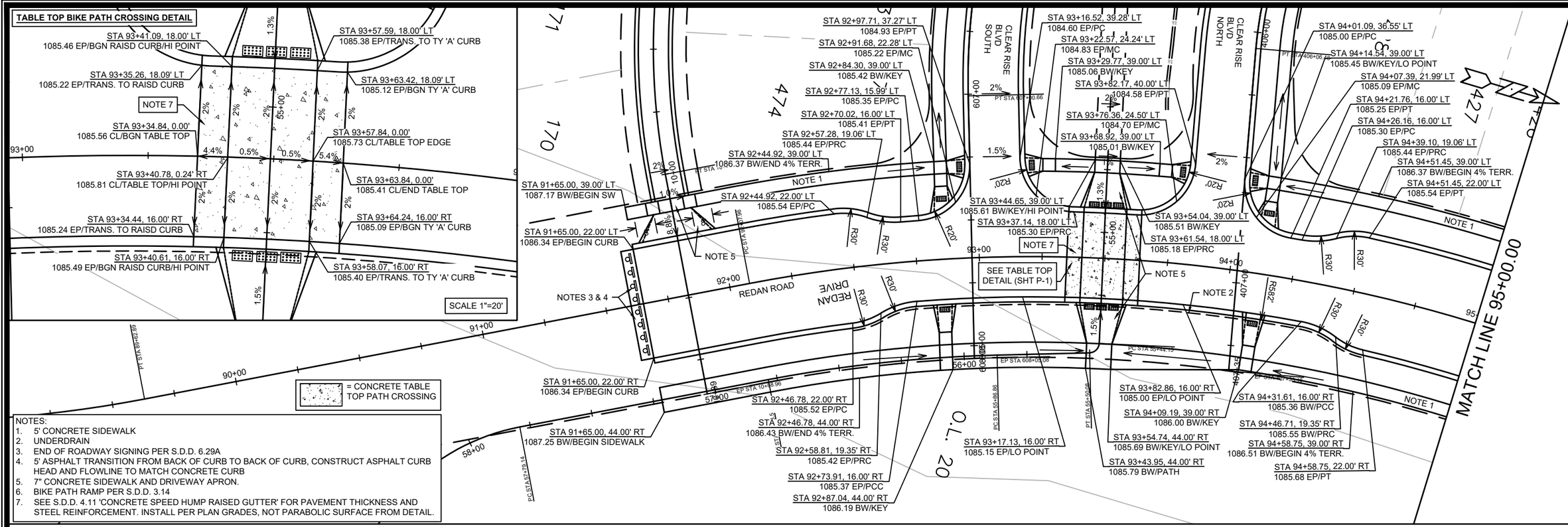
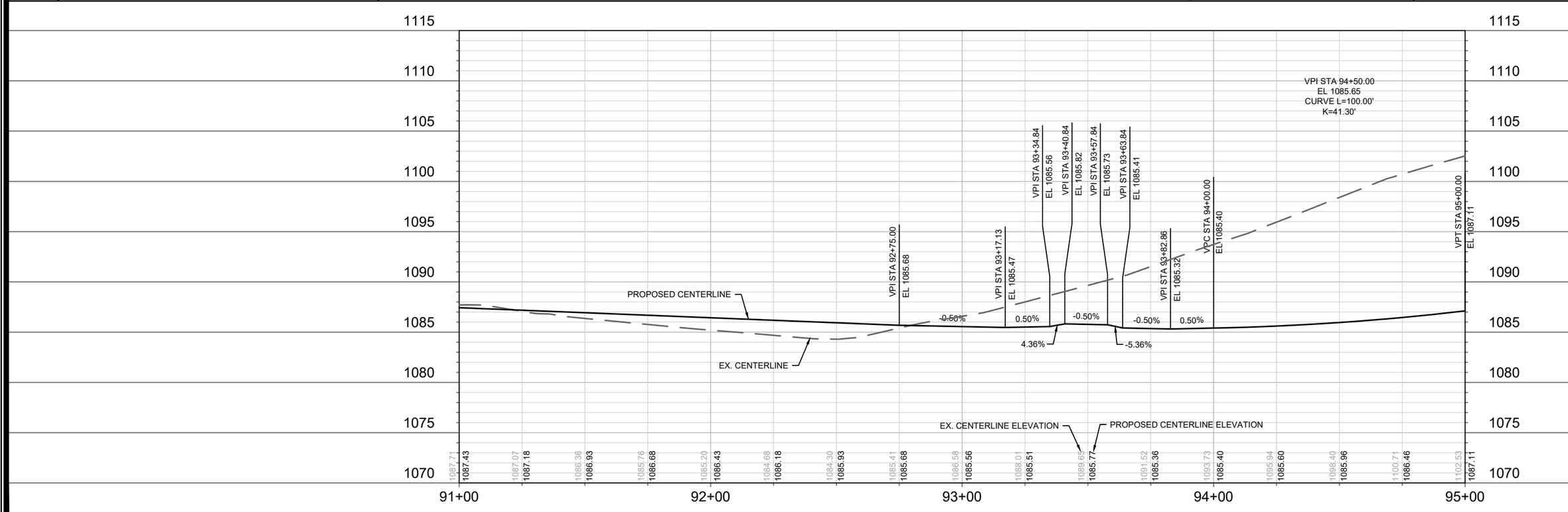
13293

D-5



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
7. 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.



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13293 | P-1

13293

MADISON, WI

CONTRACT NO: 8966

REDAN DRIVE - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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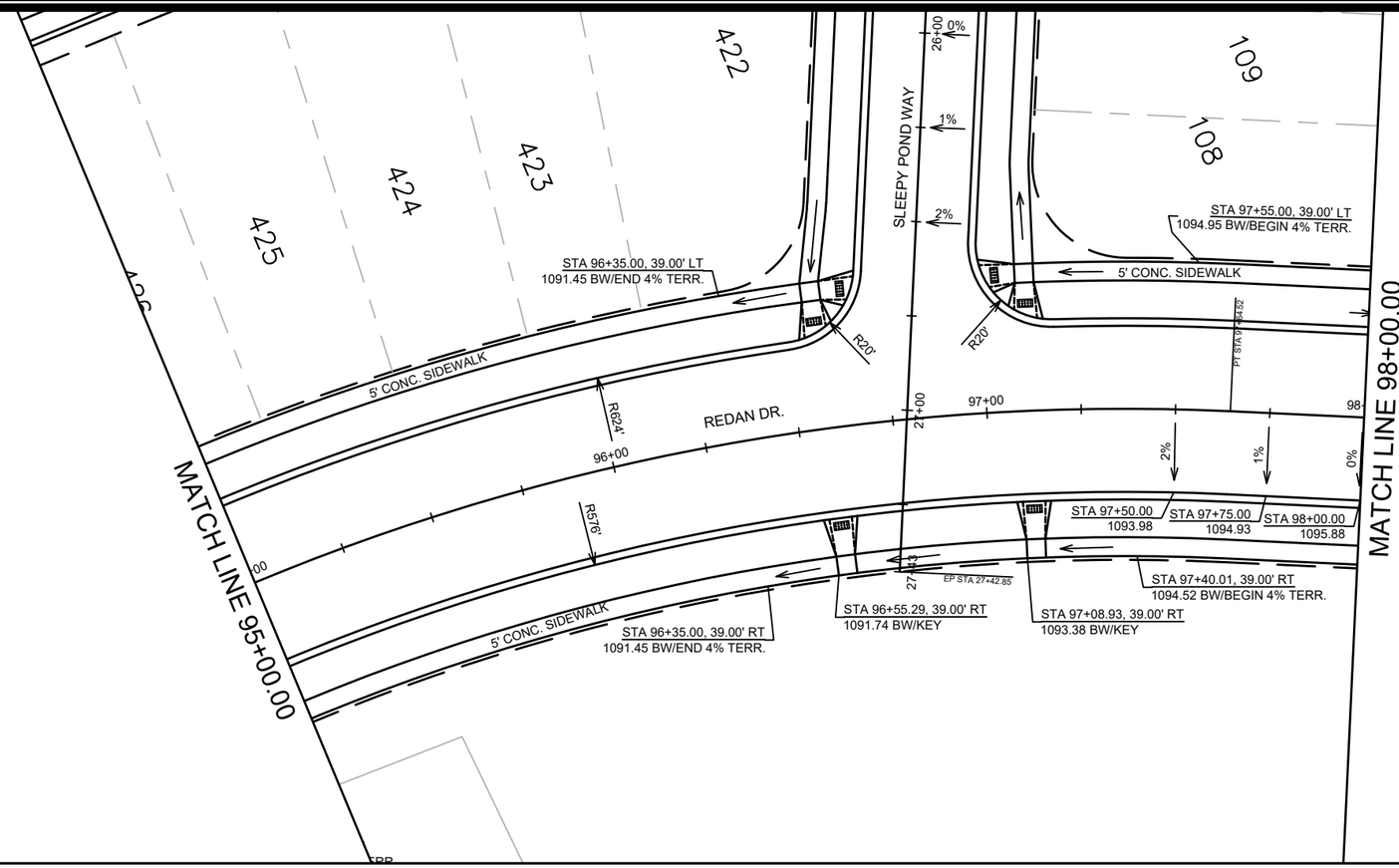
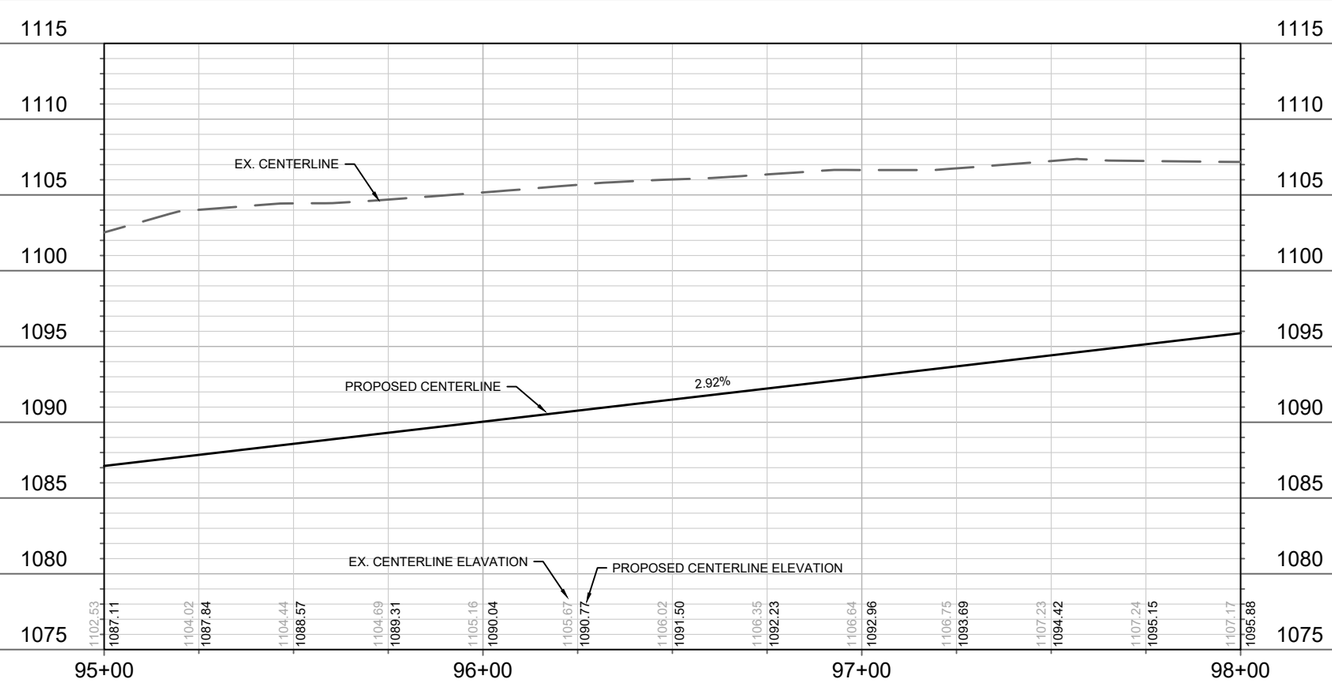
CITY OF MADISON WISCONSIN

13293

P-1





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13293 | P-2

13293

MADISON, WI

CONTRACT NO: 8966

REDAN DRIVE - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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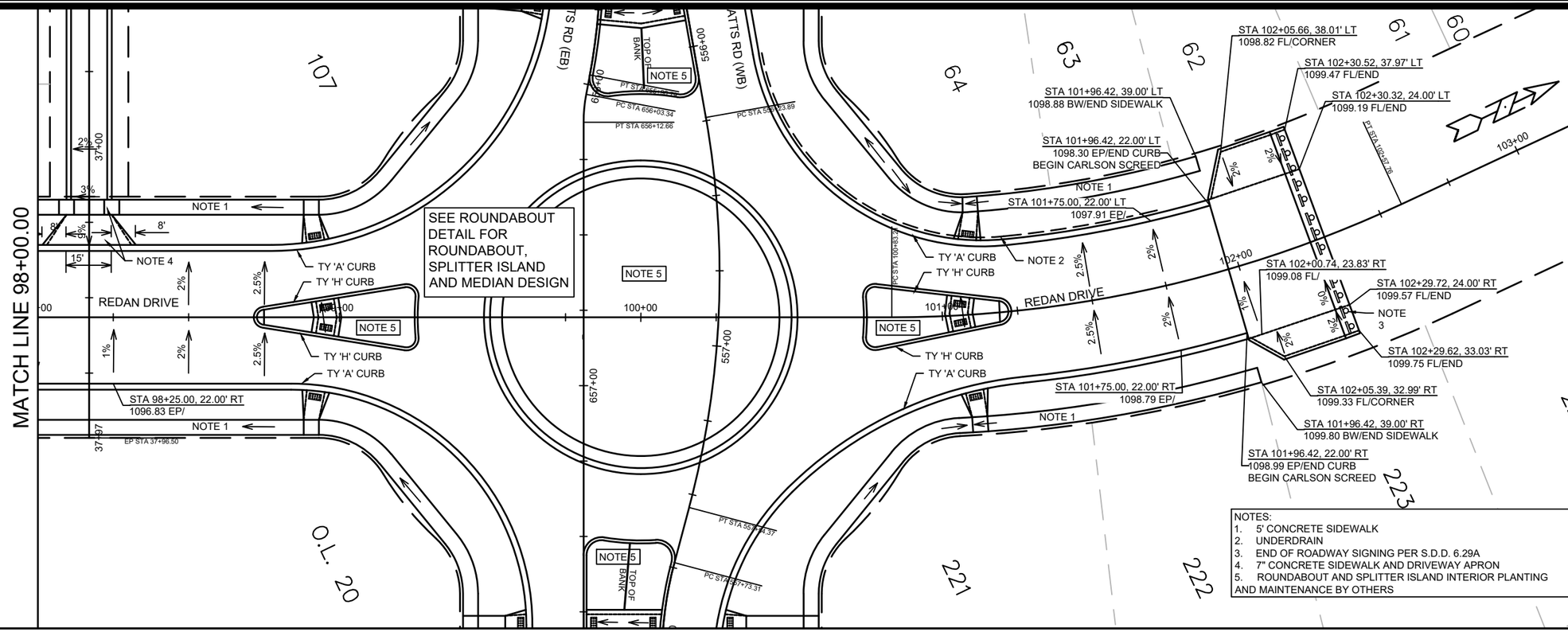
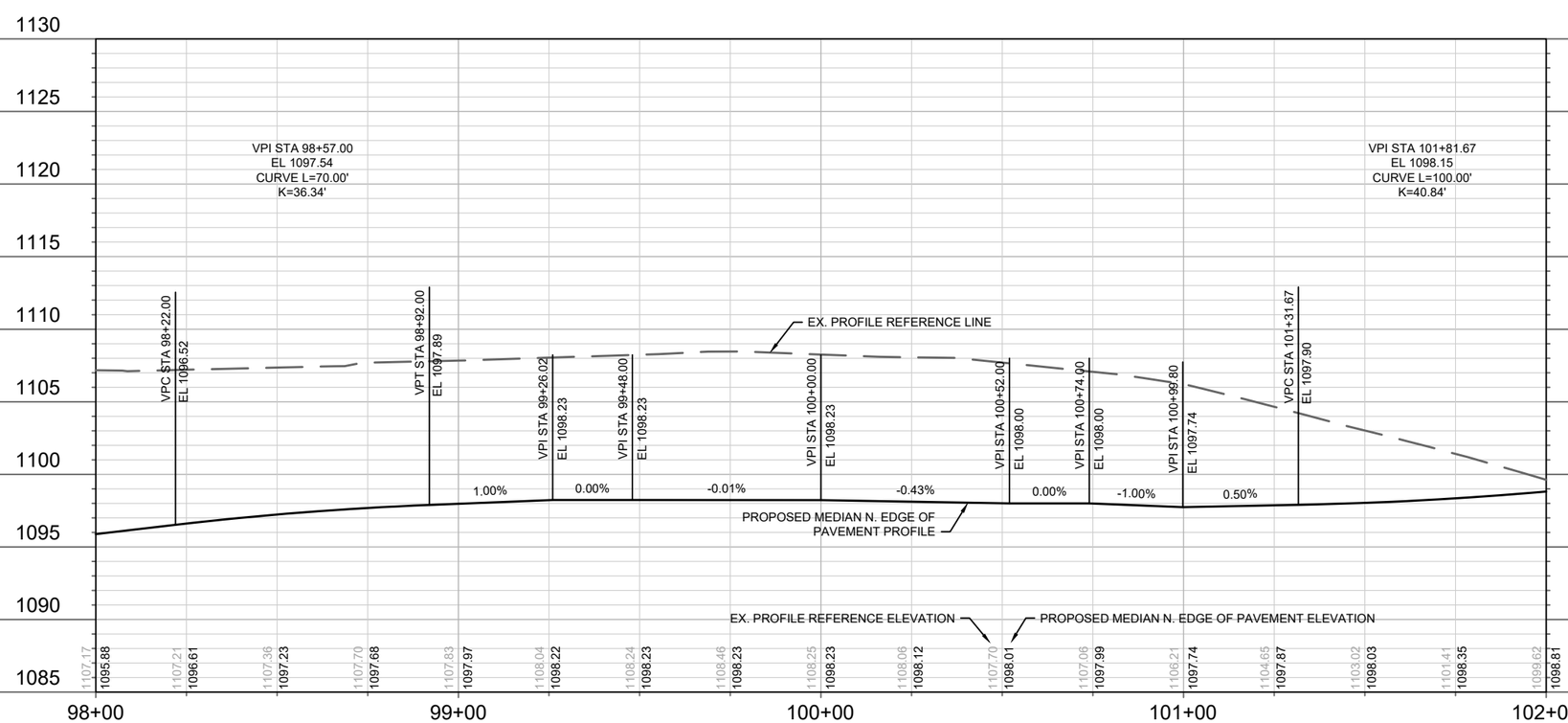
CITY OF MADISON WISCONSIN

13293

P-2





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P-3

13293

MADISON, WI

CONTRACT NO: 8966

REDAN DRIVE - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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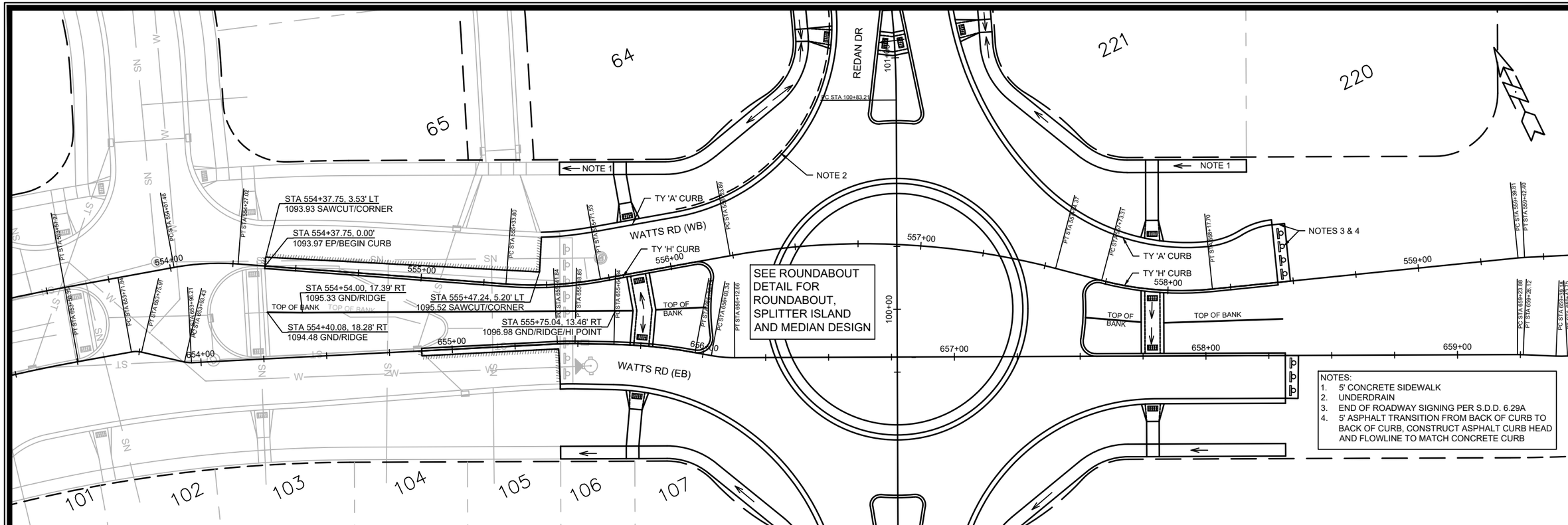
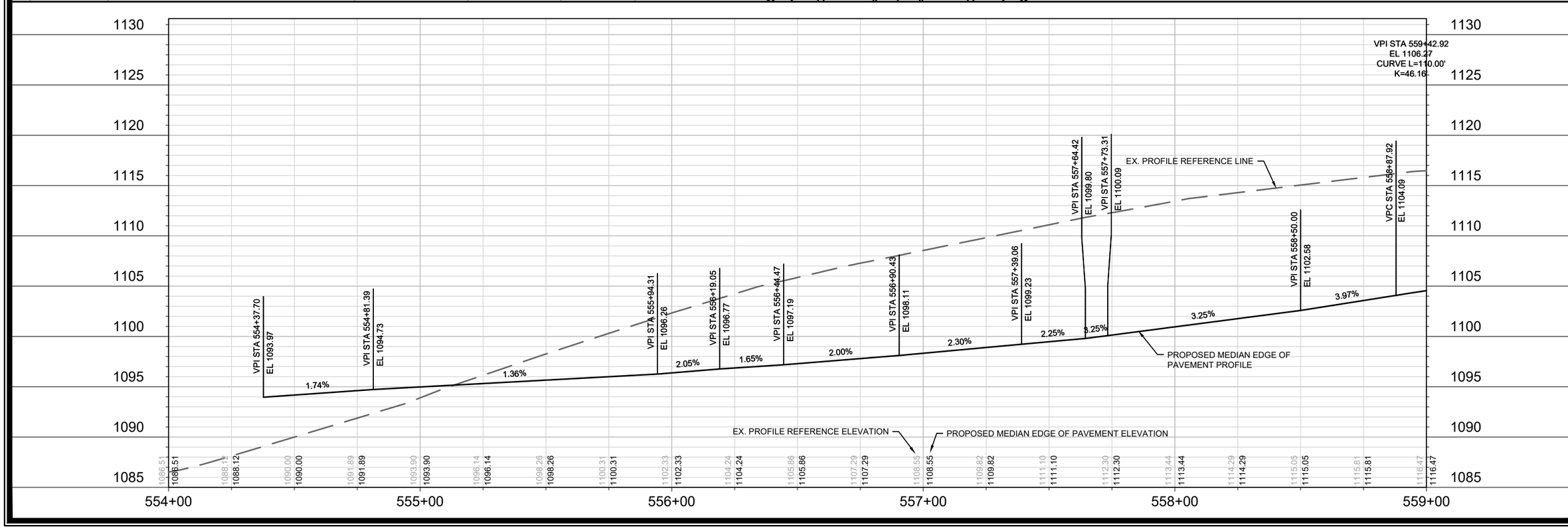
13293

P-3



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



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13293 | P-4

13293

MADISON, WI

CONTRACT NO: 8966

WATTS RD WESTBOUND - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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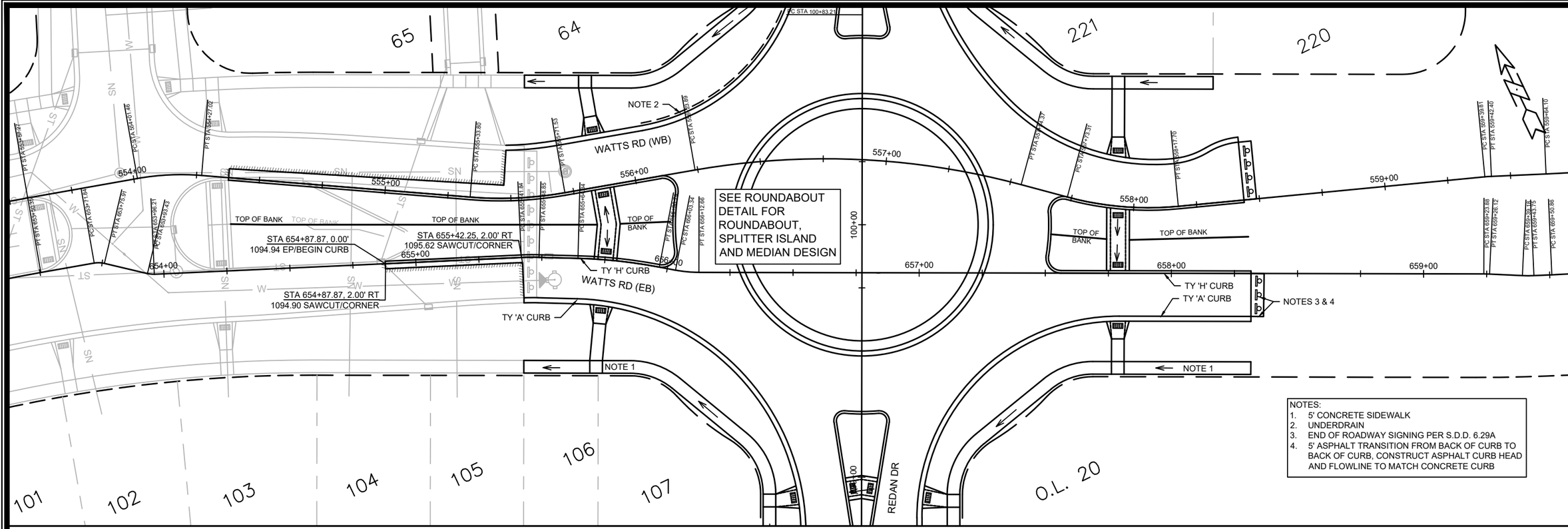
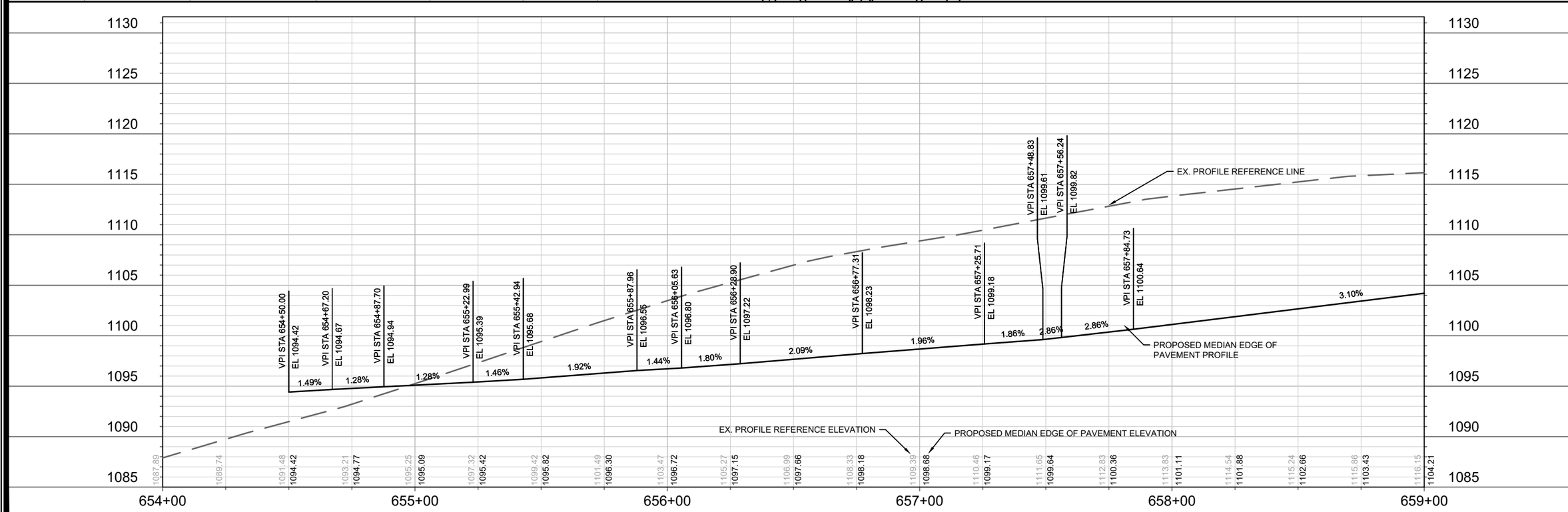
CITY OF MADISON WISCONSIN

13293

P-4



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



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13293

MADISON, WI

CONTRACT NO: 8966

WATTS RD EASTBOUND - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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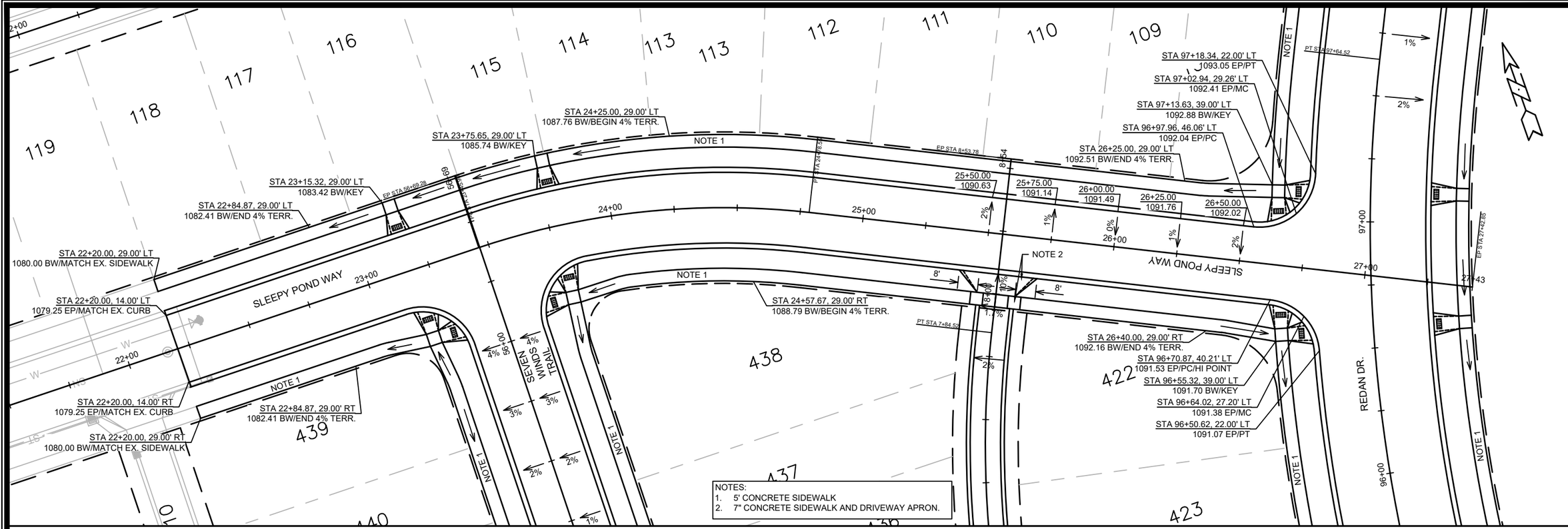
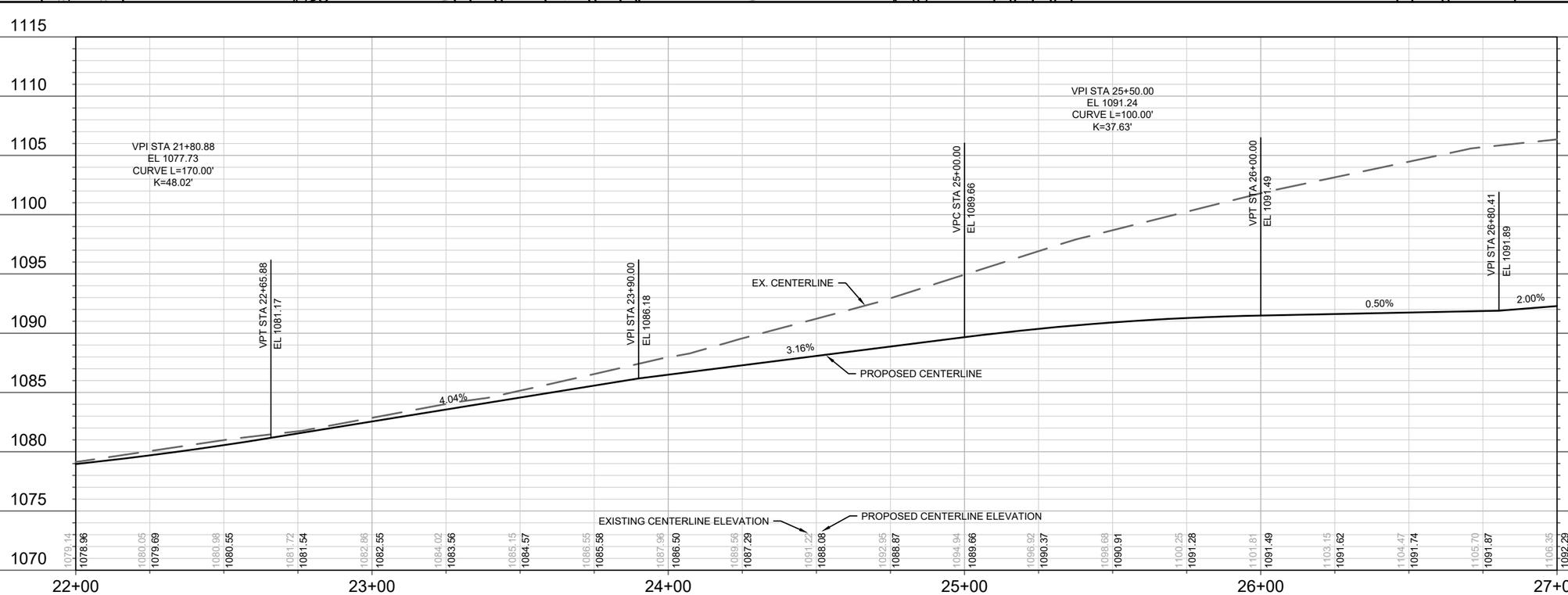
13293

P-5





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13293

P-6

13293

MADISON, WI

CONTRACT NO: 8966

SLEEPY POND WAY - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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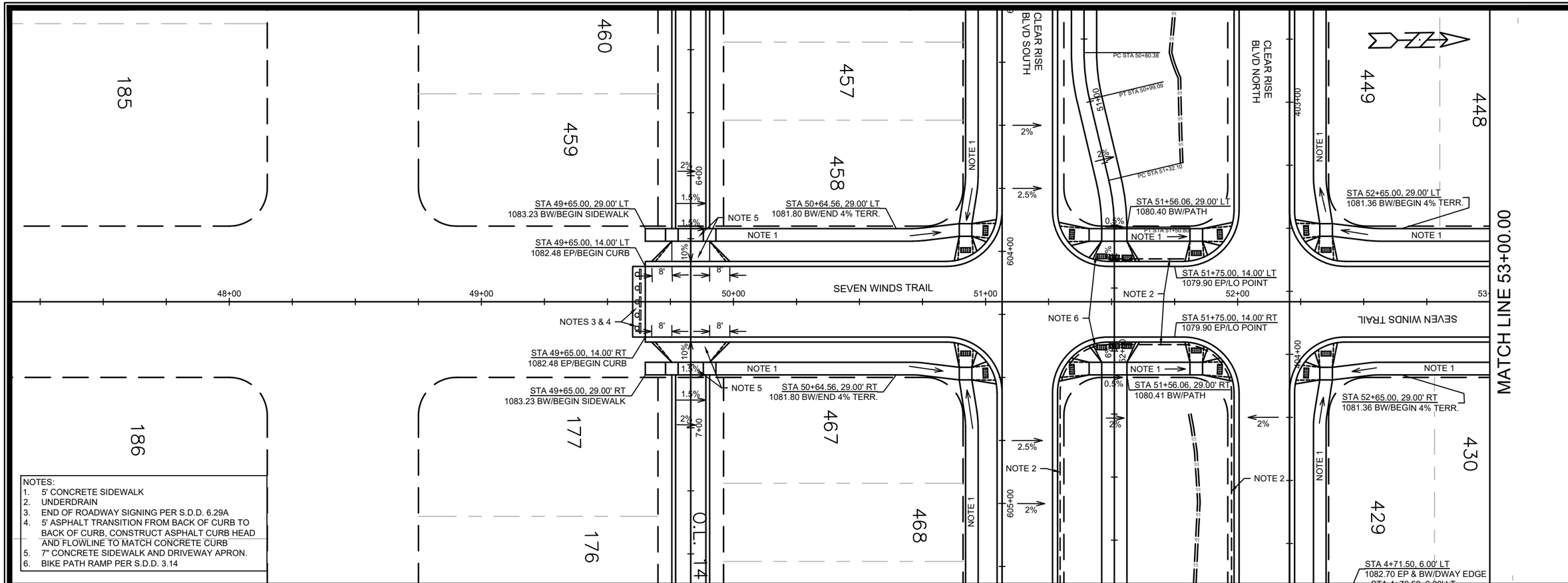
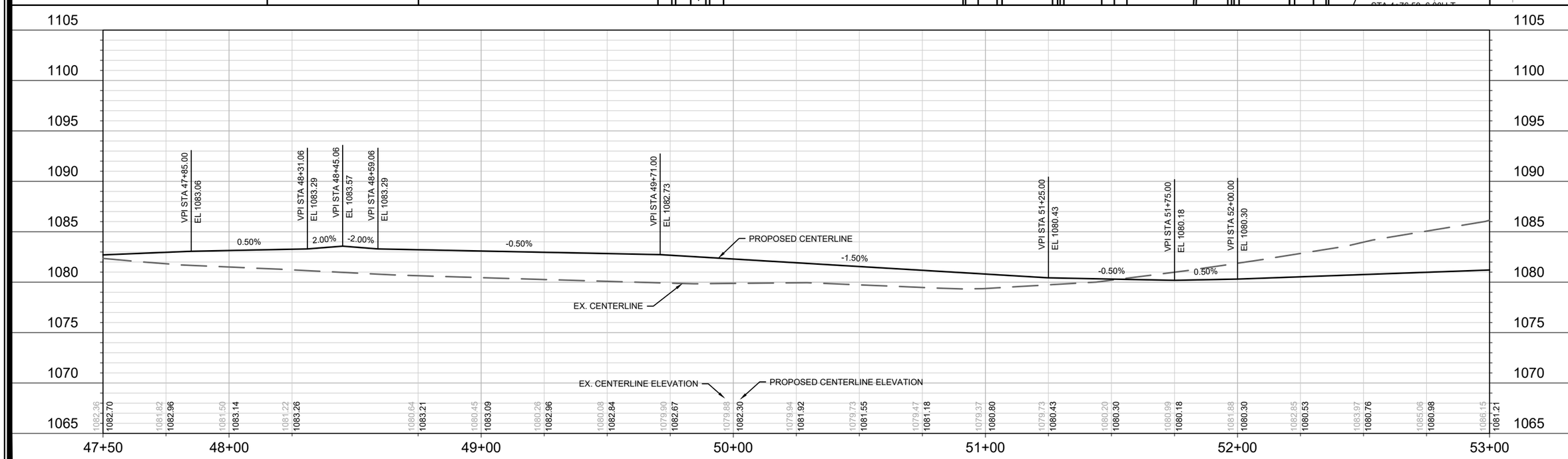
CITY OF MADISON WISCONSIN

13293

P-6



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



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13293

MADISON, WI

CONTRACT NO: 8966

SEVEN WINDS TRAIL - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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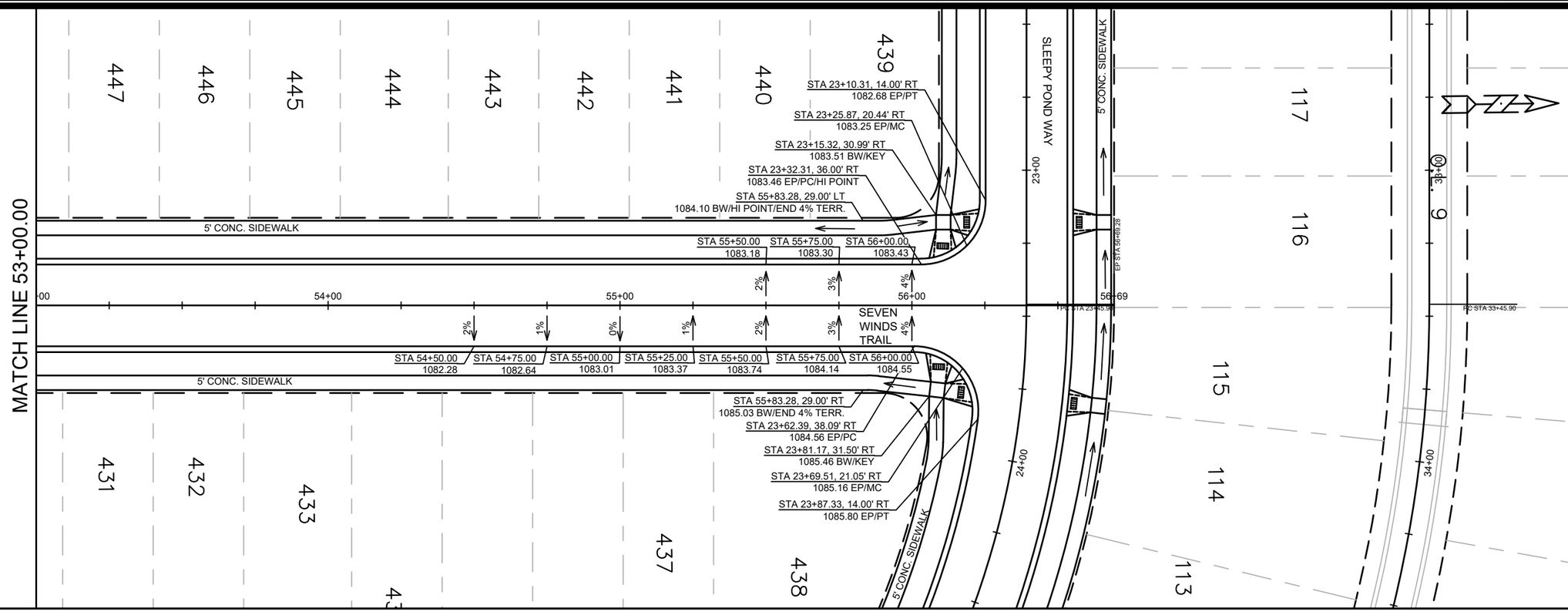
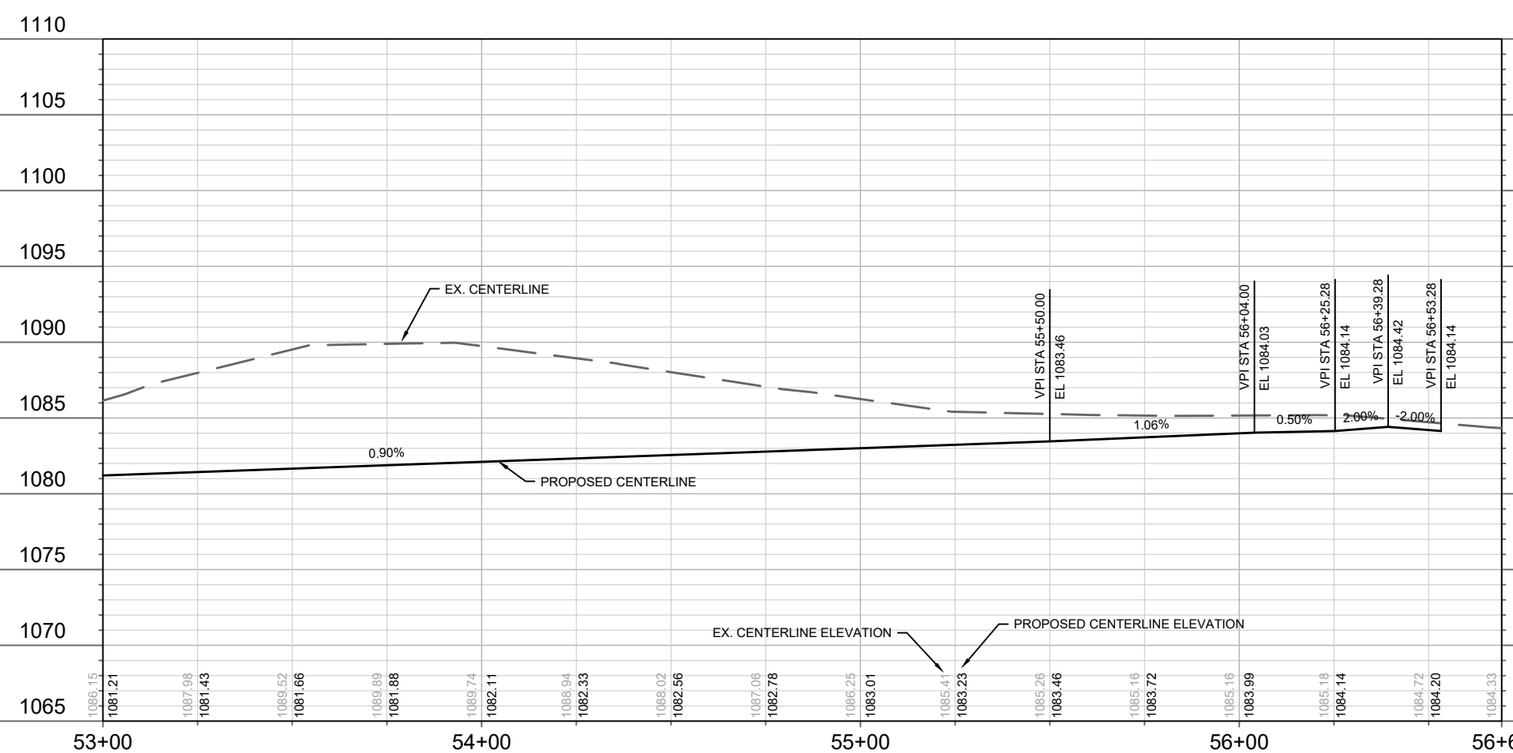
CITY OF MADISON WISCONSIN

13293

P-7





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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

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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

448 | 430 | 428 | 469 | 470 | 471 | 472 | 473 | 474

SEVEN WINDS TRAIL

STA 403+65.14, 22.00' LT
1080.41 EP/PT
STA 403+58.70, 6.44' LT
1080.22 EP/MC
STA 403+48.15, 16.99' LT
1080.67 BW/KEY
STA 403+43.14, 0.00' RT
1080.09 EP/PC
STA 403+25.00, 14.50' LT
1080.55 BW/END 4% TERR.
STA 402+50.00, 14.50' LT
1078.75 BW/MATCH EX. SIDEWALK
STA 402+50.00, 0.00'
1078.02 EP/MATCH EX. CURB
STA 402+50.00, 20.00' RT
1077.62 EP/MATCH EX. CURB

STA 403+93.14, 22.00' LT
1080.41 EP/PC
STA 403+99.58, 6.44' LT
1080.20 EP/MC
STA 404+10.13, 16.99' LT
1080.61 BW/KEY/LO POINT
STA 404+15.14, 0.00' RT
1080.10 EP/PT
STA 404+17.00, 0.00' RT
1080.09 EP/LO POINT
STA 404+35.00, 14.50' LT
1080.91 BW/BEGIN 4% TERR.
STA 406+41.24, 14.50' LT
1085.55 BW/END 4% TERR./HI POINT

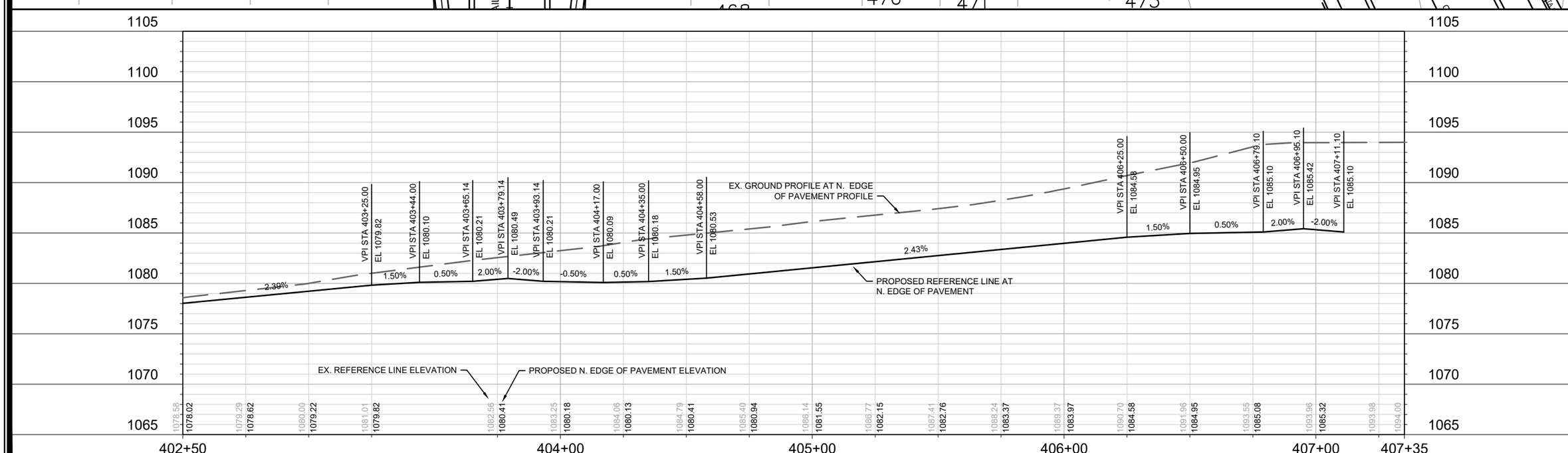
STA 404+17.00, 20.00' RT
1079.69 EP/LOW POINT
STA 404+15.14, 20.00' RT
1079.70 EP/PT
STA 403+99.58, 26.44' RT
1079.83 EP/MC
STA 404+08.14, 39.50' RT
1080.28 BW/KEY/LO POINT
STA 403+93.14, 42.00' RT
1079.92 EP/PC/HI POINT

STA 403+43.14, 20.00' RT
1079.69 EP/PC
STA 403+58.70, 26.44' RT
1079.83 EP/MC
STA 403+50.14, 39.50' RT
1080.28 BW/KEY/LO POINT
STA 403+65.14, 42.00' RT
1079.92 EP/PT/HI POINT

CLEAR RISE BLVD NORTH
CLEAR RISE BLVD SOUTH
O.L. 13
O.L. 12
O.L. 20
REDAN DRIVE

SEE TABLE TOP DETAIL (SHT P-1)

NOTE 1 | NOTE 2 | NOTE 3 | NOTE 4



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Designed By: AJC | Date: 4/9/2021 10:50 AM | Scale: 1" = 40'

13293 | P-9

13293

MADISON, WI

8966

CONTRACT NO:

CLEAR RISE BLVD NORTH - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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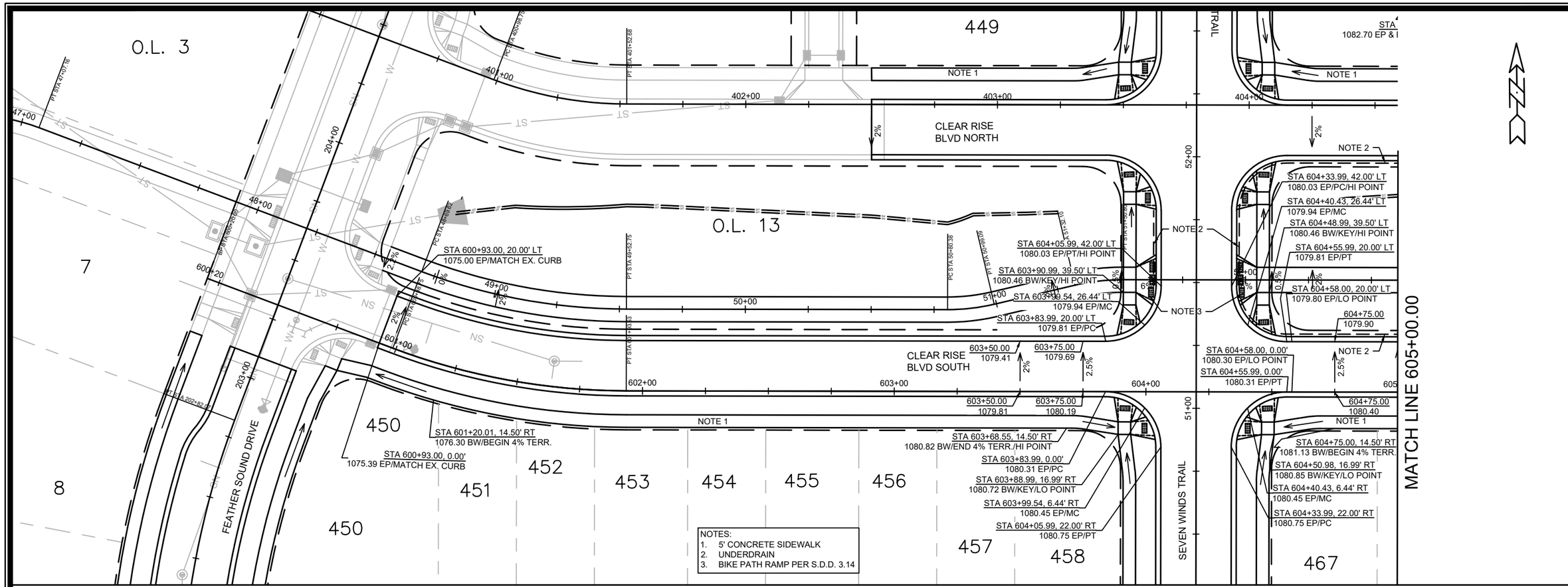
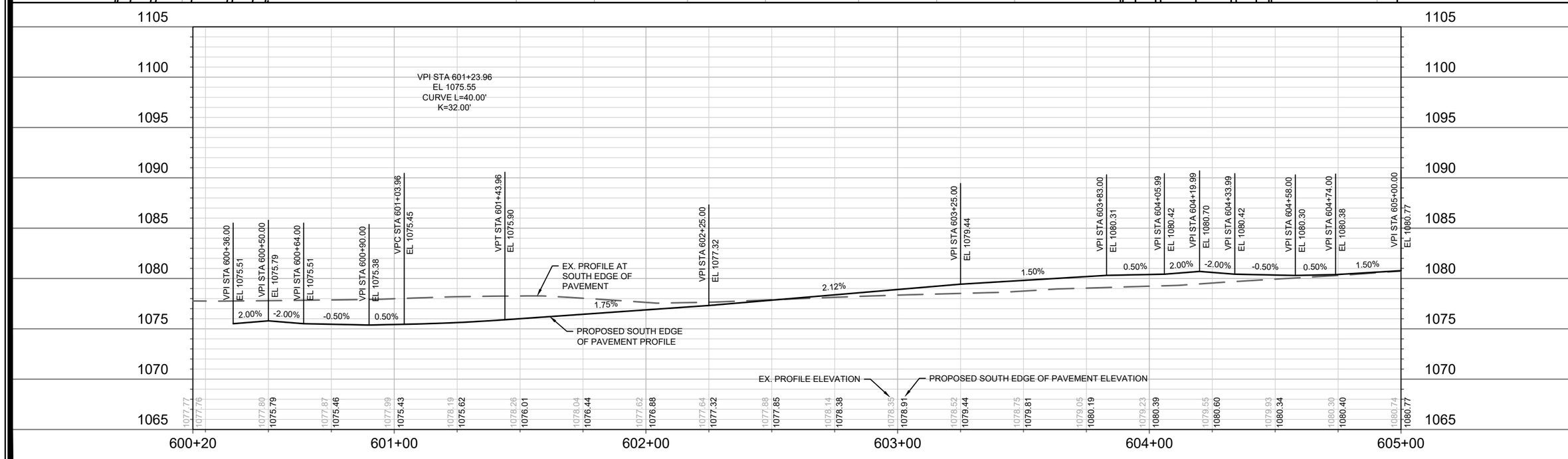
CITY OF MADISON WISCONSIN

13293

P-9





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13293

MADISON, WI

CONTRACT NO: 8966

CLEAR RISE BLVD SOUTH - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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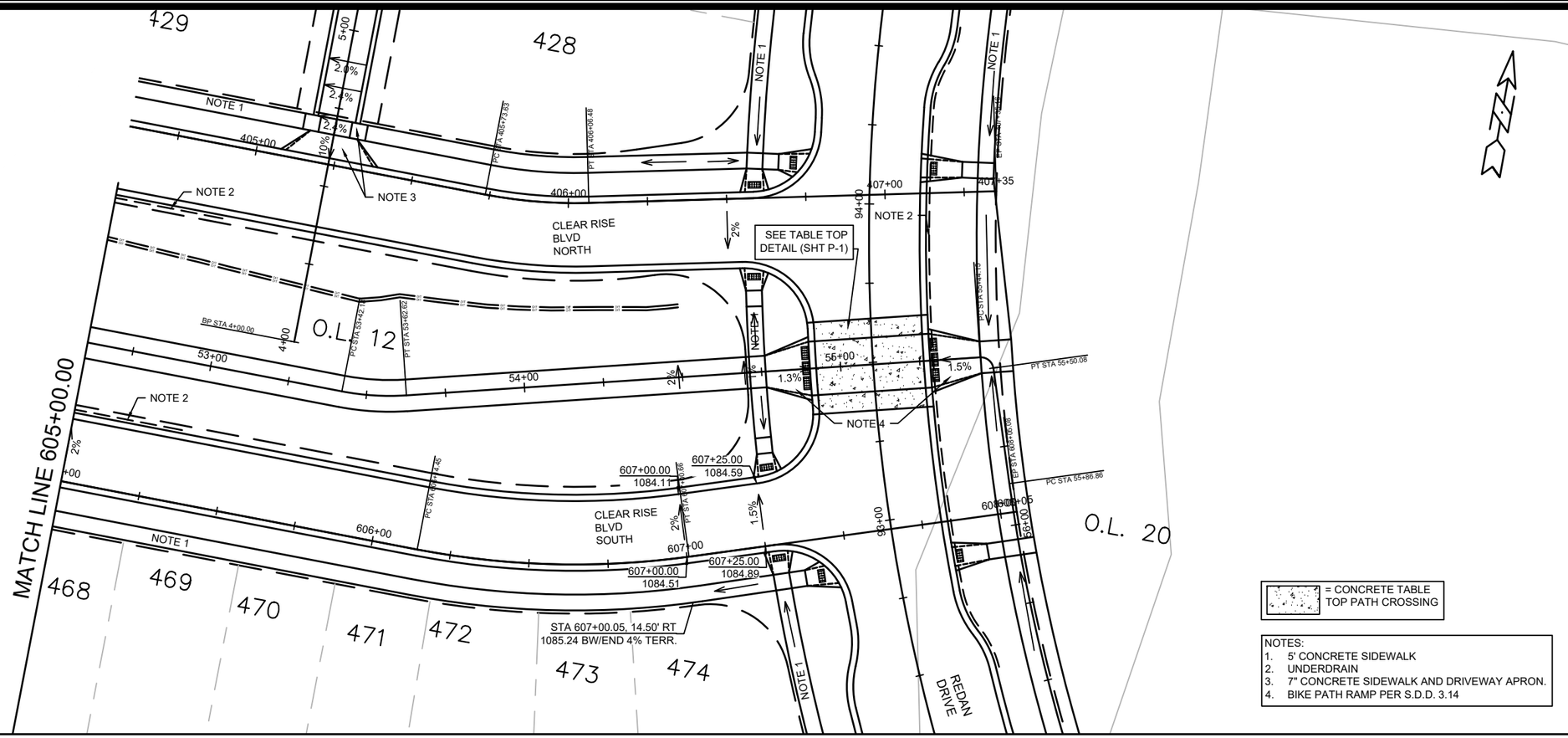
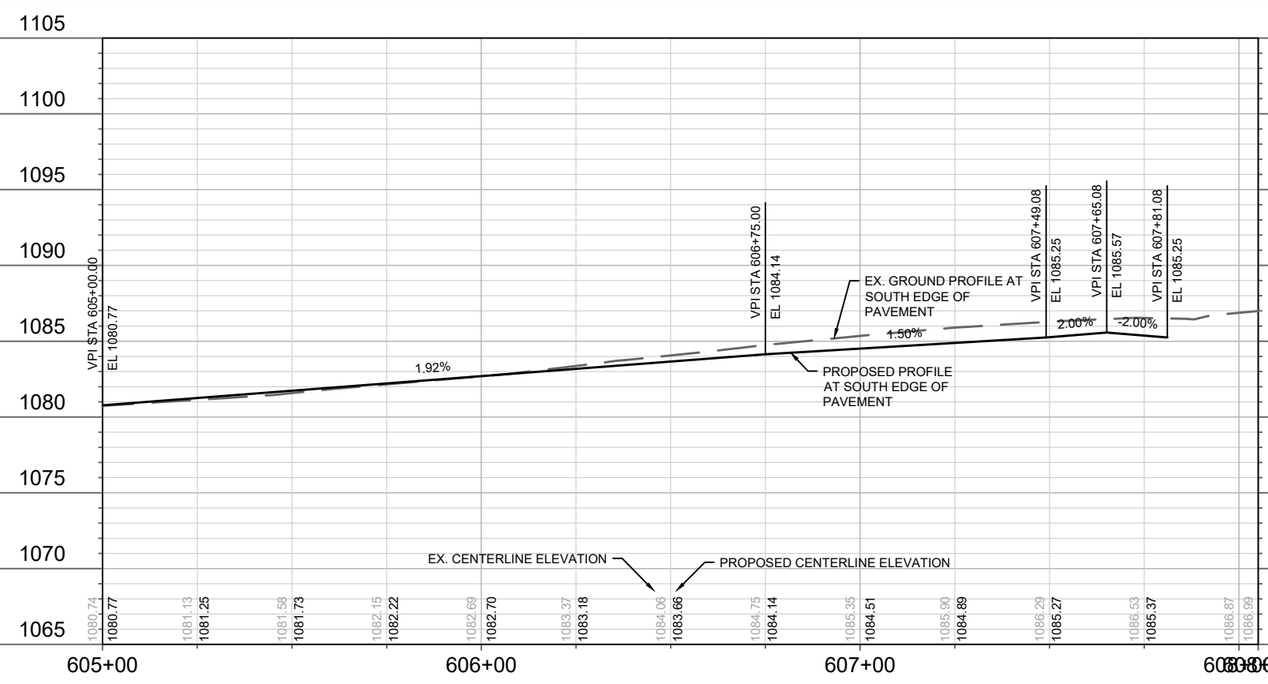
13293

P-10





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Designed By: AJC | Date: 4/9/2021 10:50 AM | Scale: 1" = 40'

13293

P-11

13293

MADISON, WI

CONTRACT NO: 8966

CLEAR RISE BLVD SOUTH - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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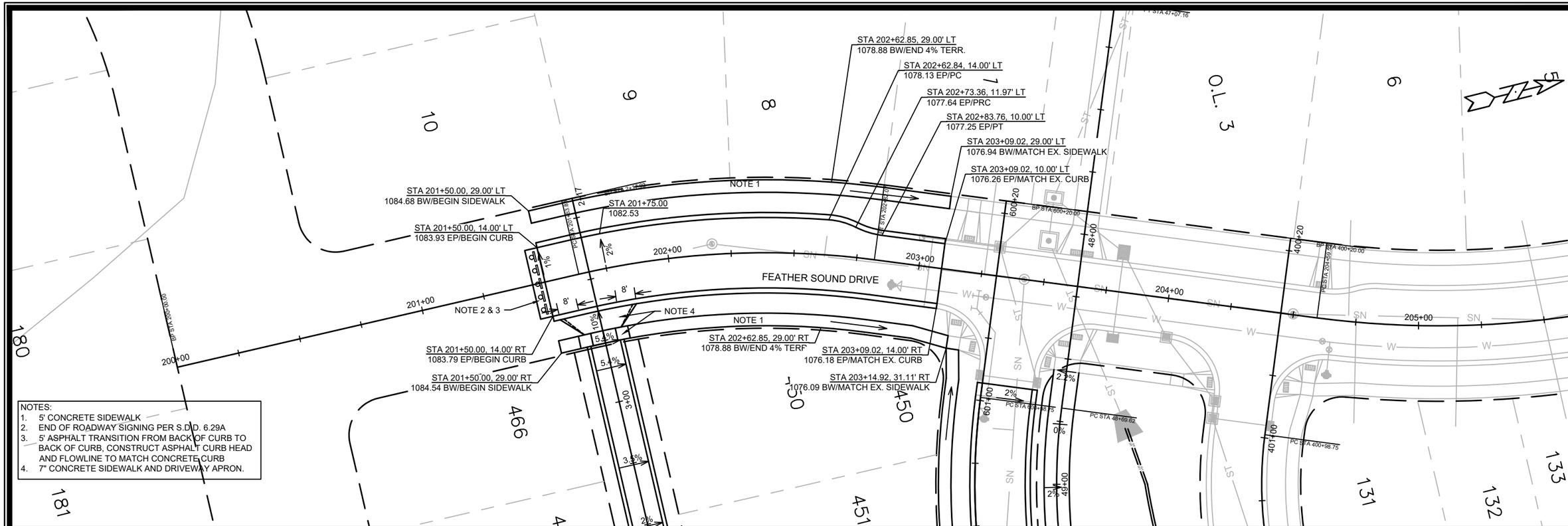
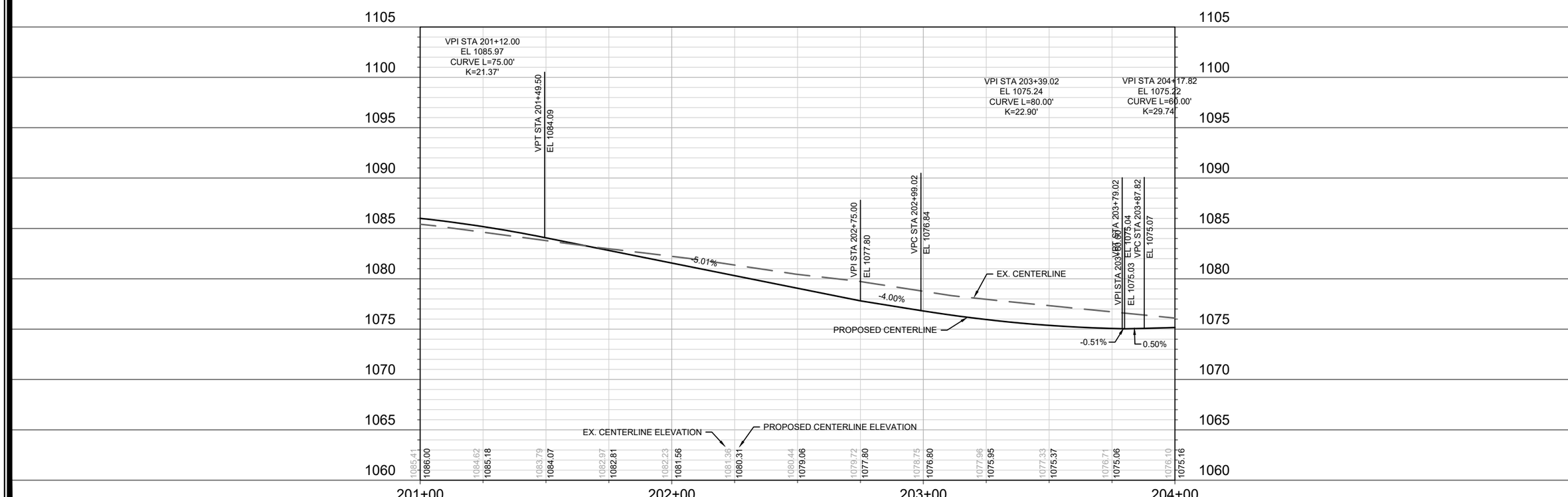
13293

P-11





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Designed By: AJC | Date: 4/9/2021 10:50 AM | Scale: 1" = 40'

13293 | P-12

13293

MADISON, WI

8966

CONTRACT NO:

FEATHER SOUND DRIVE - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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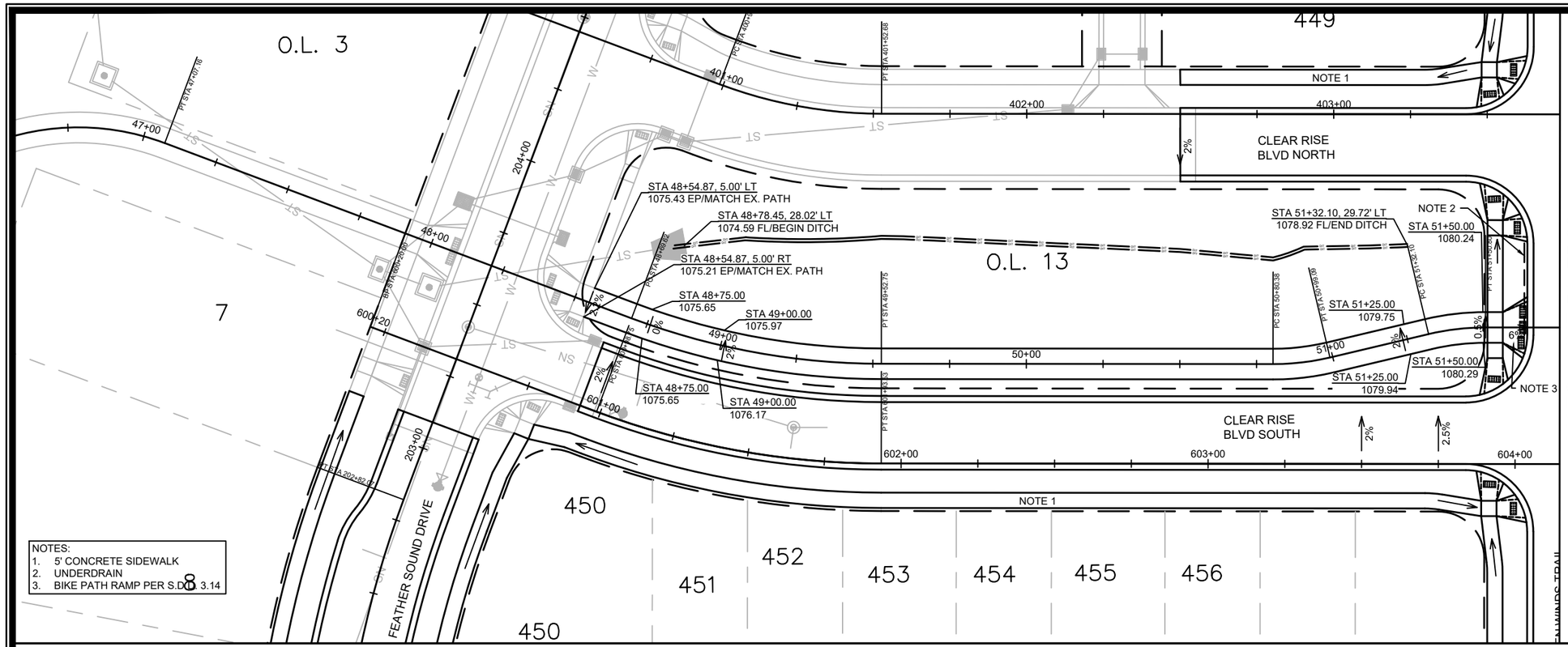
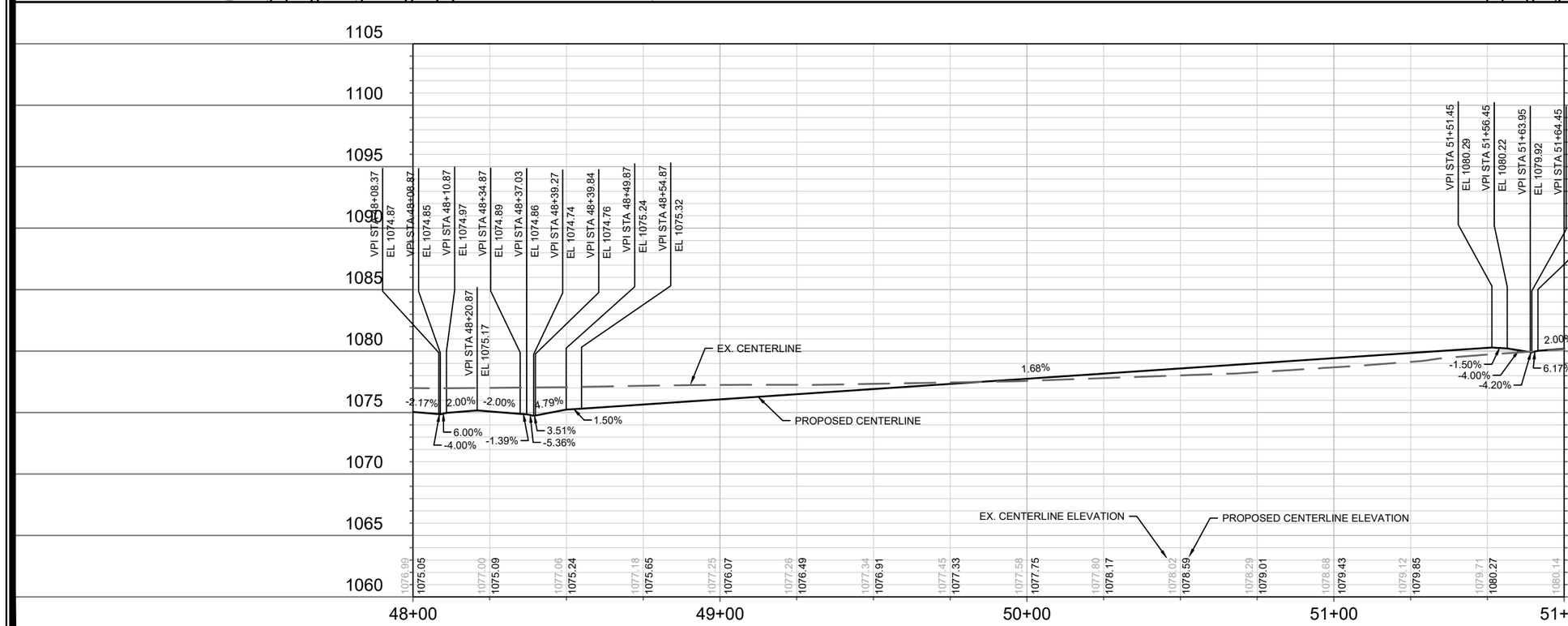
13293

P-12





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13293

MADISON, WI

CONTRACT NO: 8966

ACACIA BIKE PATH - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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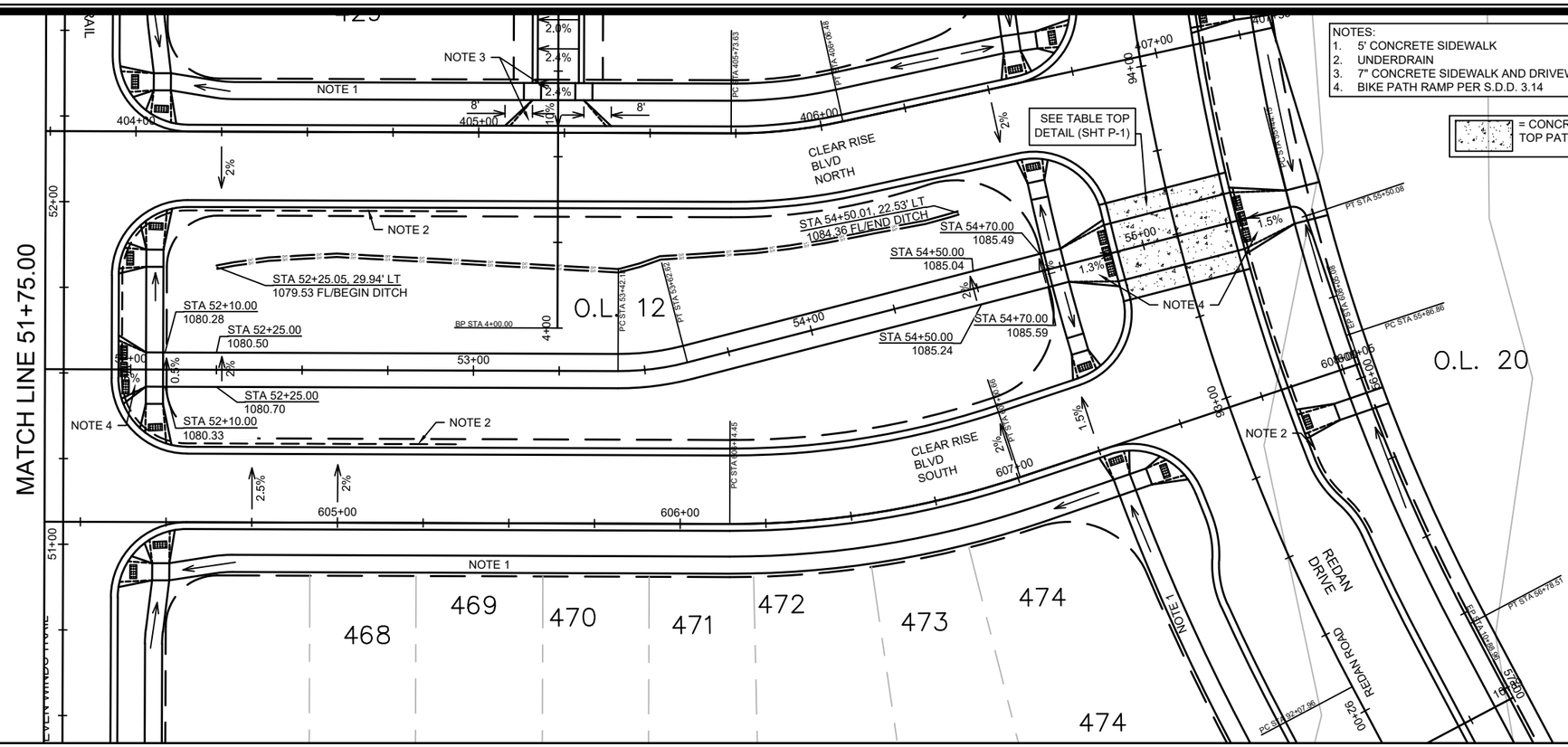
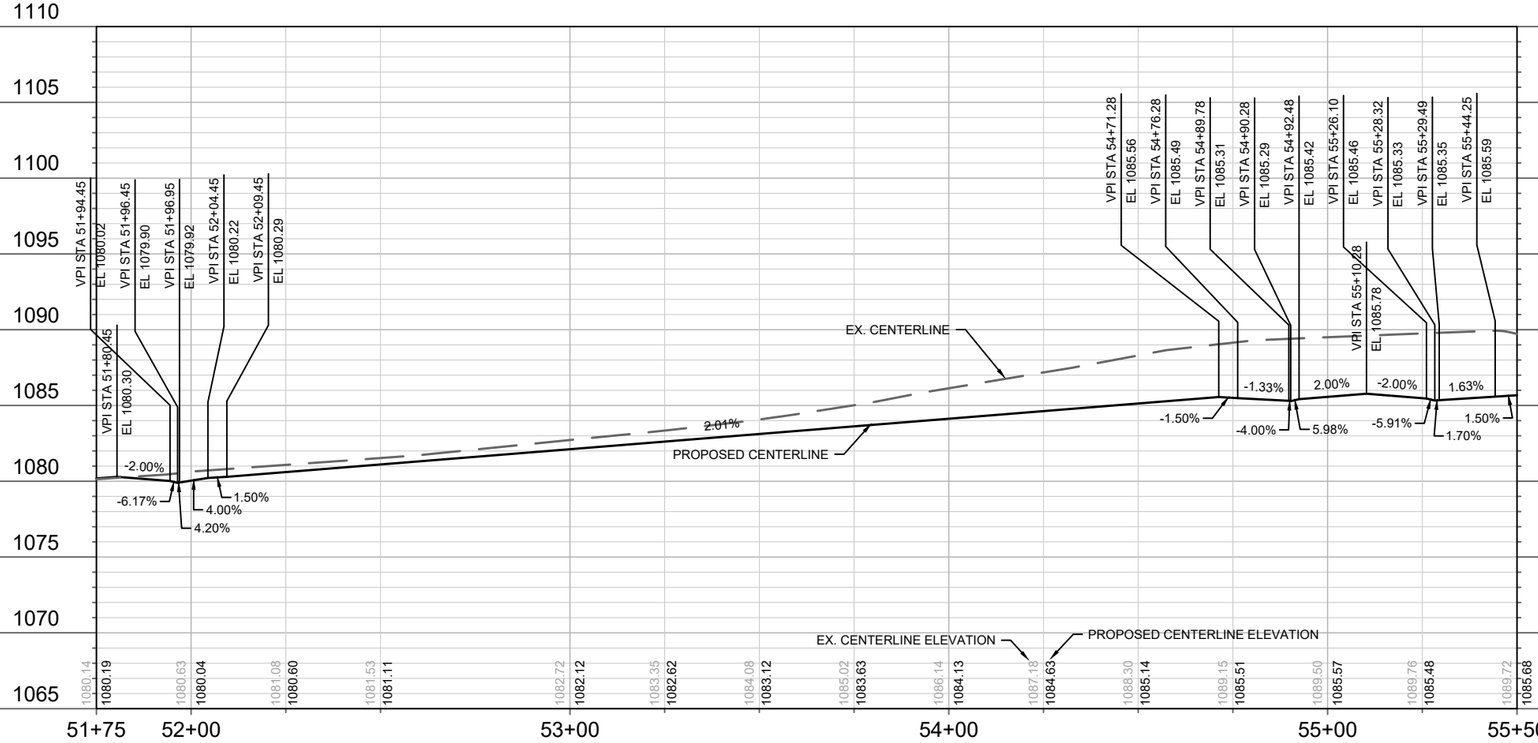
13293

P-13

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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13293 | P-14

13293

MADISON, WI

CONTRACT NO: 8966

ACACIA BIKE PATH - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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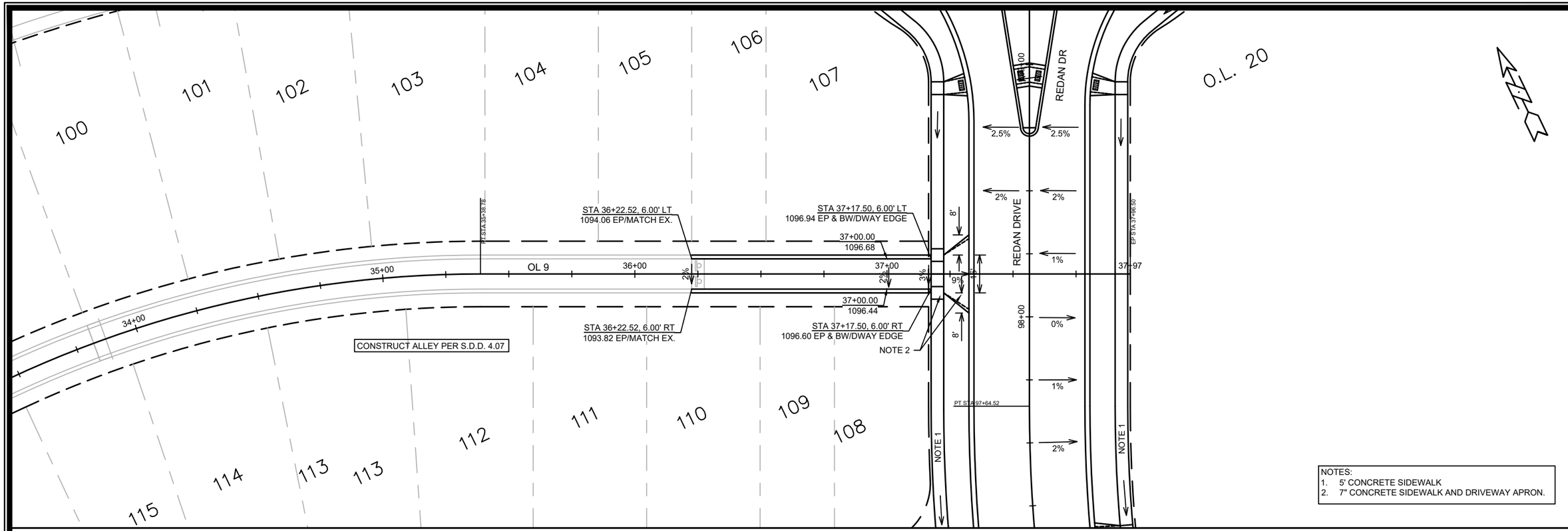
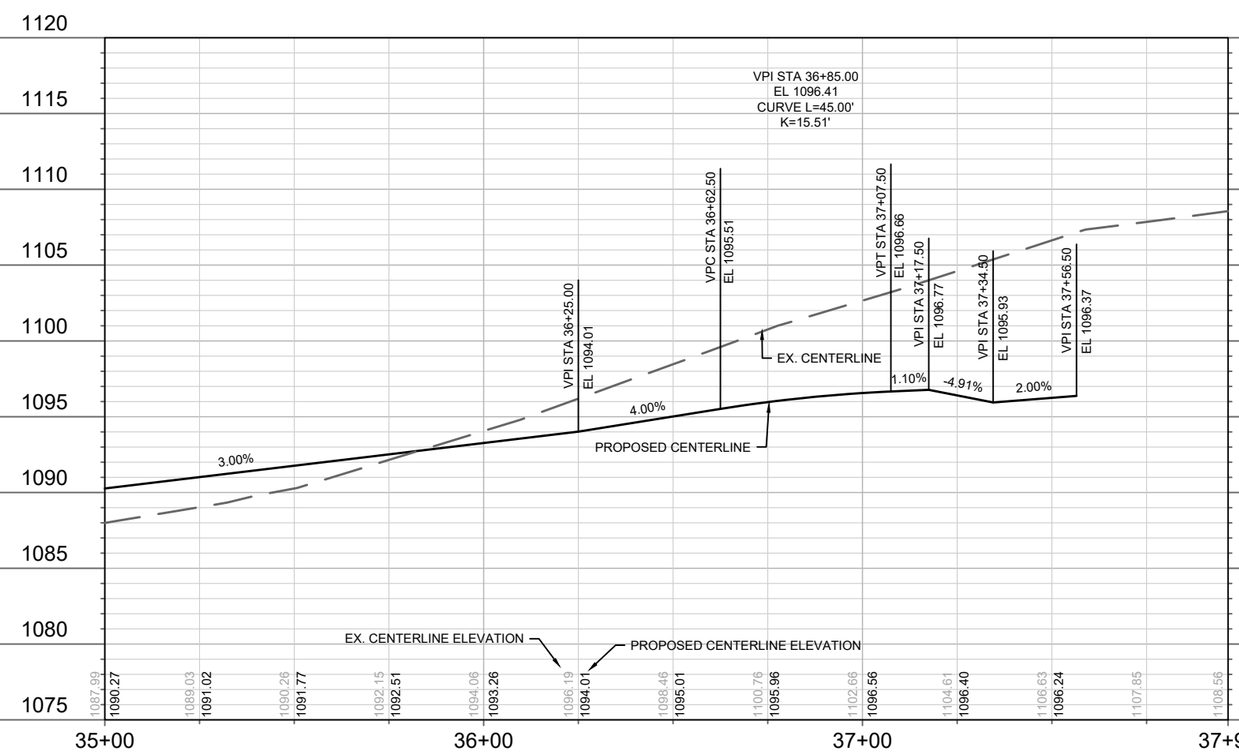
CITY OF MADISON WISCONSIN

13293

P-14



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



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

13293

MADISON, WI

CONTRACT NO: 8966

OUTLOT 19 - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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13293

P-15

NOTES:
1. 5' CONCRETE SIDEWALK
2. UNDERDRAIN
3. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.

CONSTRUCT ALLEYWAY PER S.D.D. 4.07

O.L. 11

O.L. 12

NOTE 1

NOTE 2

NOTE 3

STA 4+71.50, 6.00' LT
1082.70 EP & BW/DWAY EDGE
STA 4+76.50, 6.00' LT
1082.60 EP/LO POINT
STA 4+81.50
1082.70
STA 4+90.00
1082.98

STA 4+90.00
1083.22
STA 4+81.50
1082.98
STA 4+76.50, 6.00' RT
1082.88 EP/LO POINT
STA 4+71.50, 6.00' RT
1082.98 EP & BW/DWAY EDGE

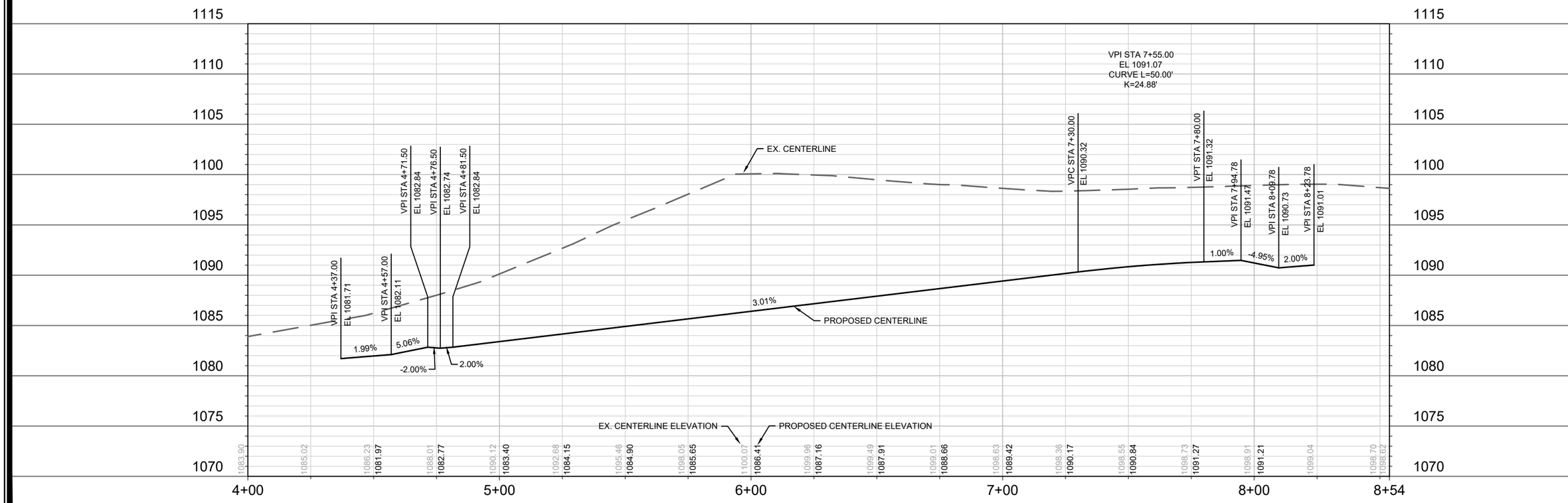
STA 7+94.78, 6.00' LT
1091.37 EP & BW/DWAY EDGE
STA 7+75.00
1091.15

STA 7+75.00
1091.39
STA 7+94.78, 6.00' RT
1091.57 EP & BW/DWAY EDGE

PC STA 405+73.63
PT STA 406+06.46
PC STA 53+42.1
PT STA 53+82.82
PC STA 53+44.45
BP STA 4+00.00
PC STA 24+76.63
EP STA 25+53.78
PT STA 24+76.63

CLEAR RISE BLVD NORTH

SLEEPY POND WAY



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Designed By: AJC
Date: 4/9/2021 10:51 AM
Scale: 1" = 40'
13293
P-16

13293

MADISON, WI

CONTRACT NO: 8966

OUTLOT 11 - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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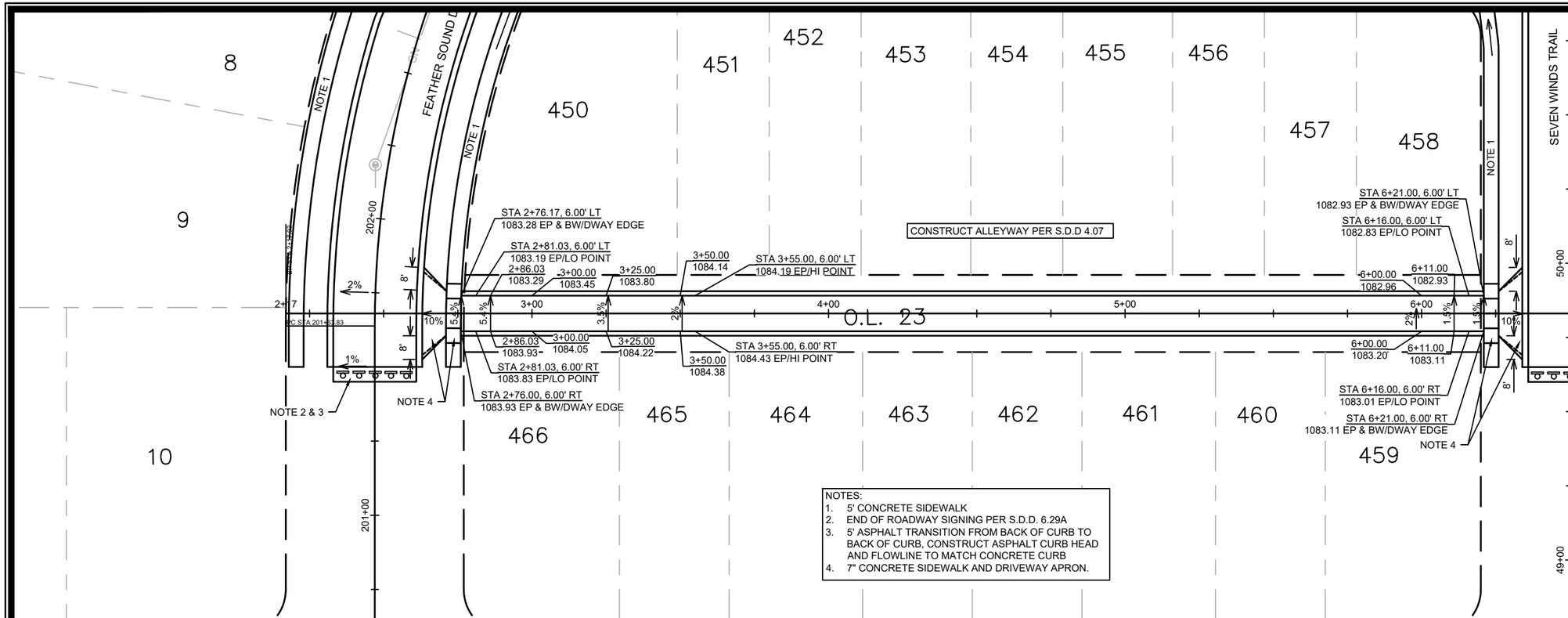
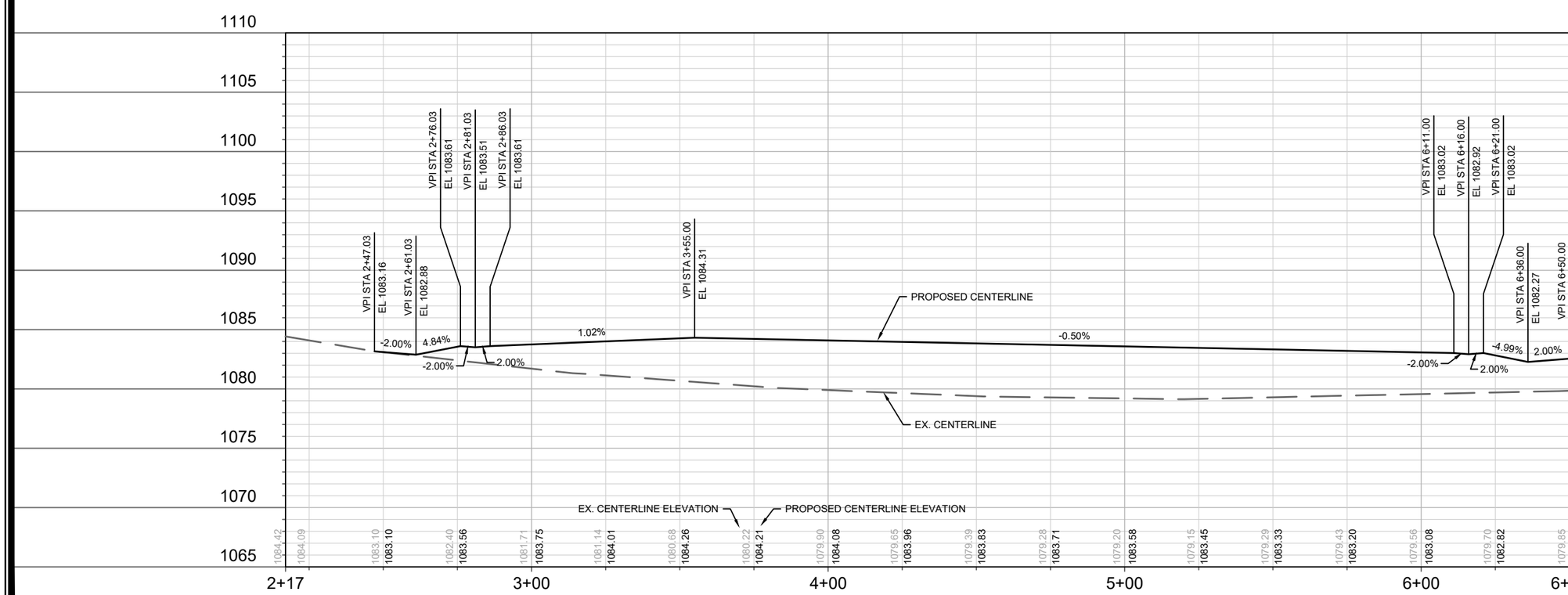
CITY OF MADISON WISCONSIN

13293

P-16



NOTES:
1. 5' CONCRETE SIDEWALK
2. END OF ROADWAY SIGNING PER S.D.D. 6.29A
3. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB, CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB
4. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.



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

13293 | P-17

13293

MADISON, WI

CONTRACT NO: 8966

OUTLOT 23 & 14 - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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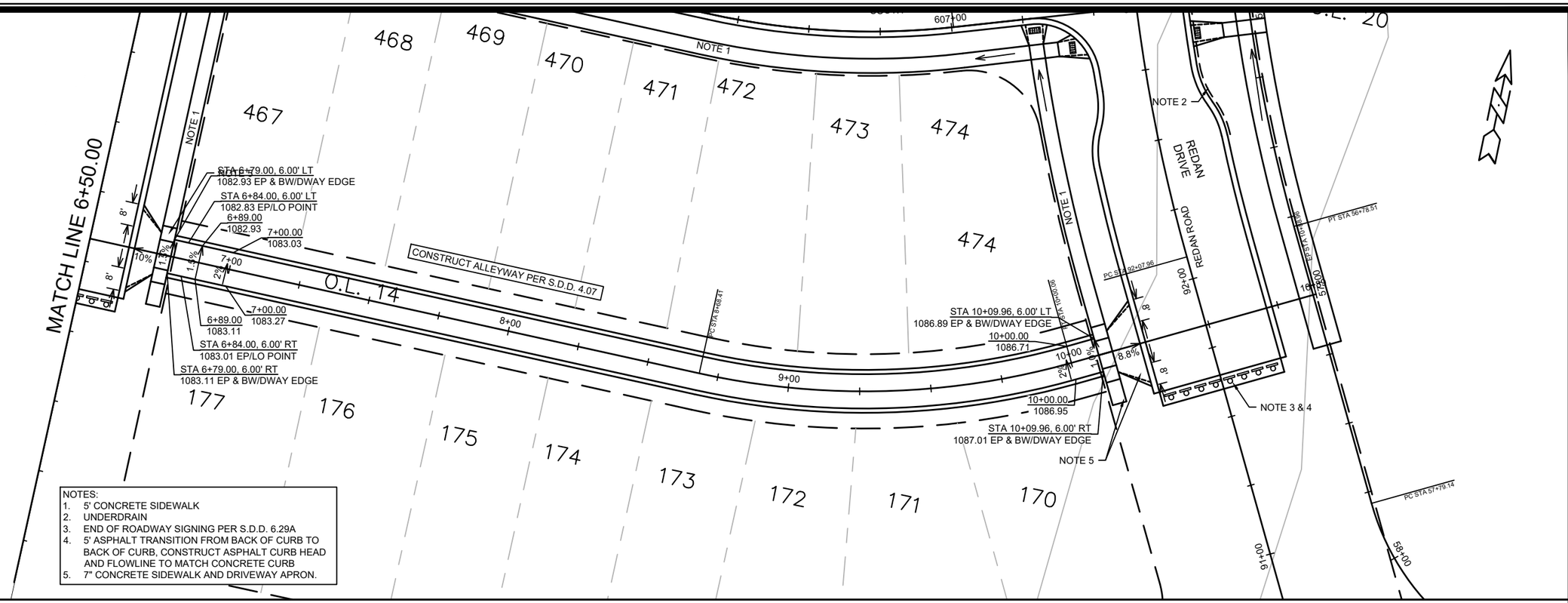
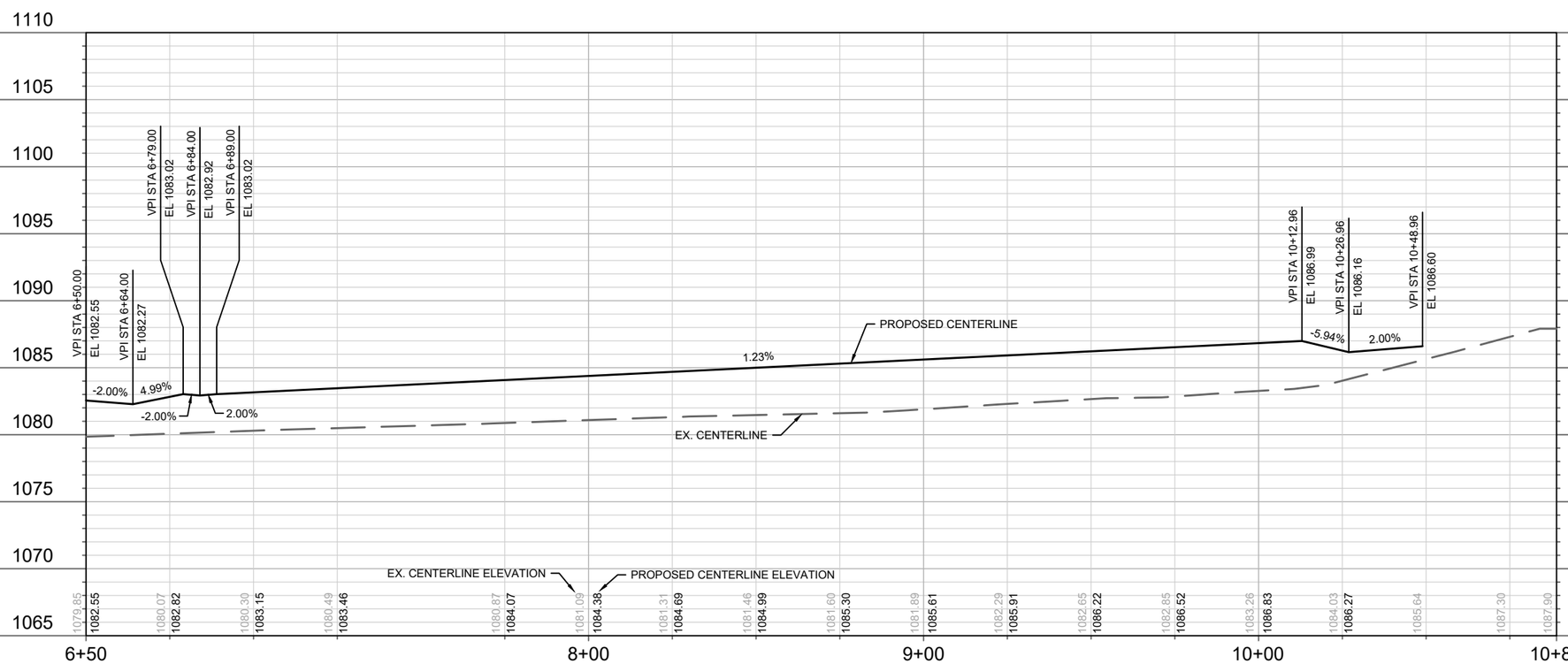
CITY OF MADISON WISCONSIN

13293

P-17



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.



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

13293

MADISON, WI

CONTRACT NO: 8966

OUTLOT 23 & 14 - PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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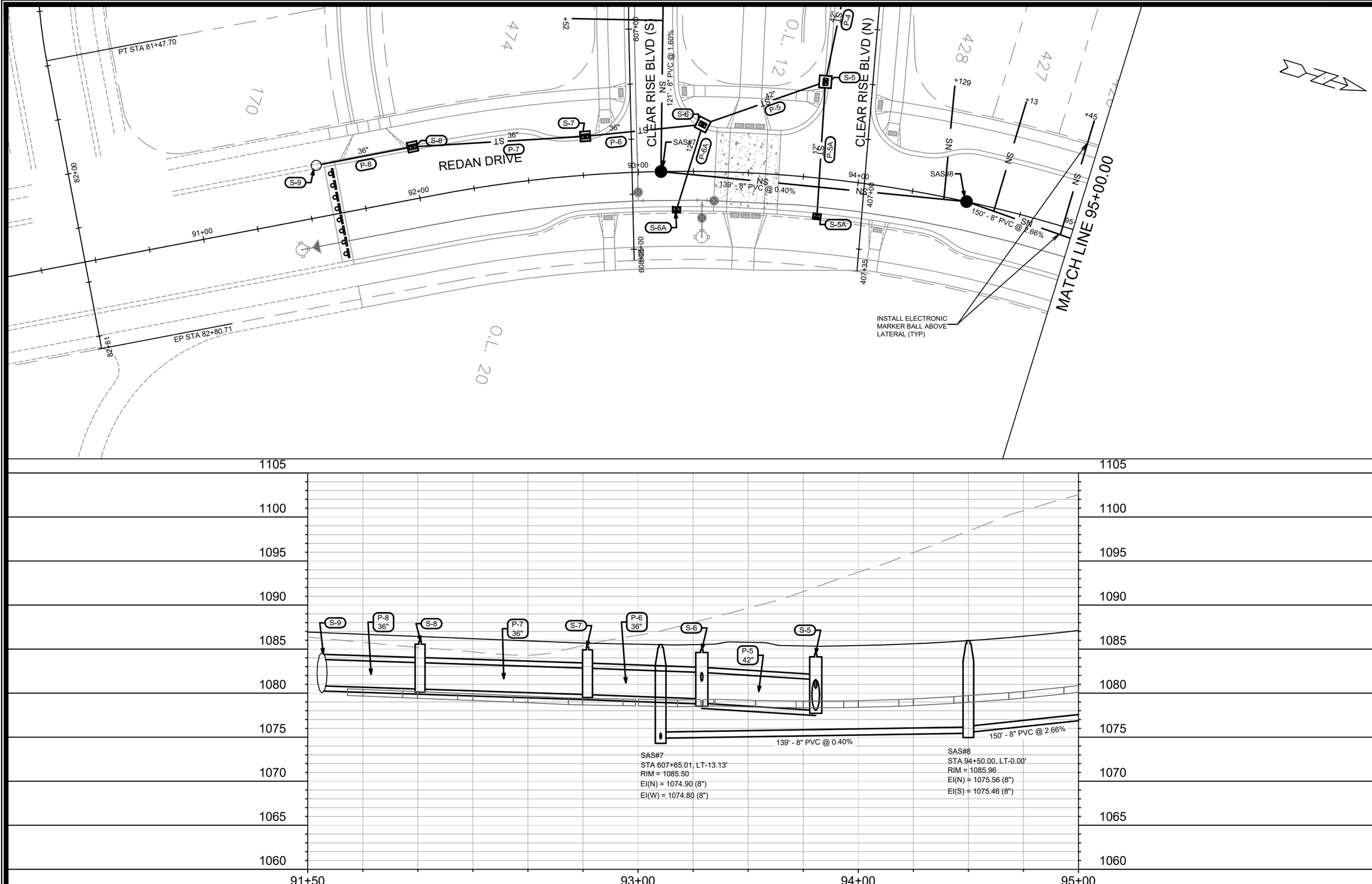
13293

P-18



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Designed By: EEA | Date: 3/31/2021 3:06 PM | Scale: 1" = 40'

13293 | U-1

13293

MADISON, WI

CONTRACT NO: 8966

REDAN DRIVE - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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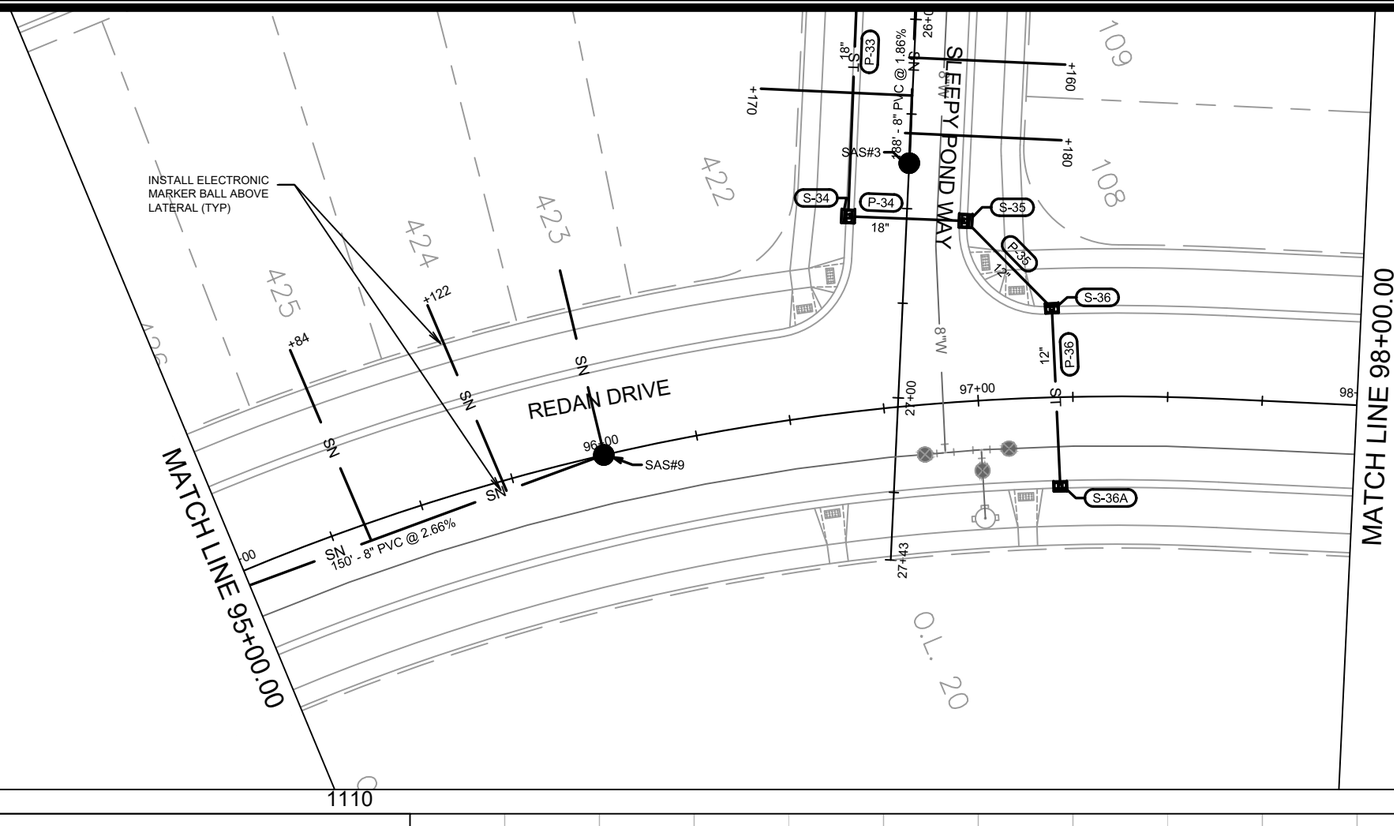
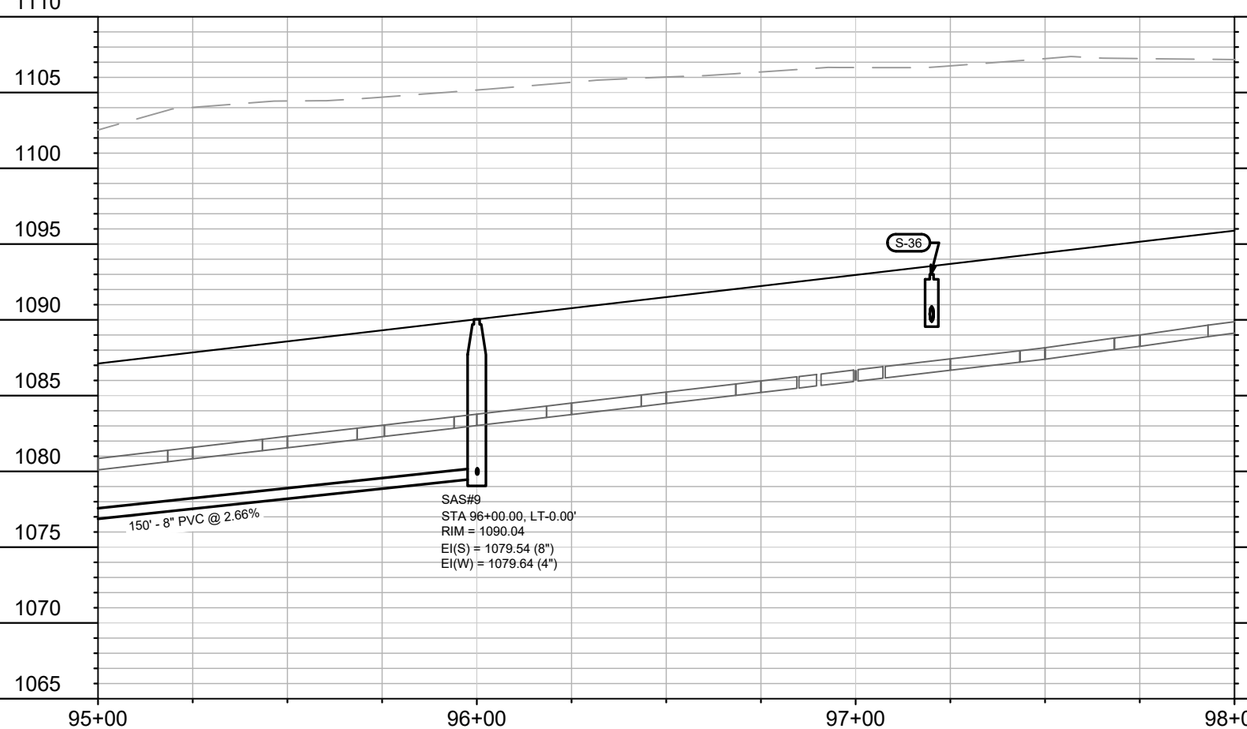
13293

U-1





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Designed By: EEA | Date: 3/31/2021 3:11 PM | Scale: 1" = 40'

13293

U-2

13293

MADISON, WI

CONTRACT NO: 8966

REDAN DRIVE - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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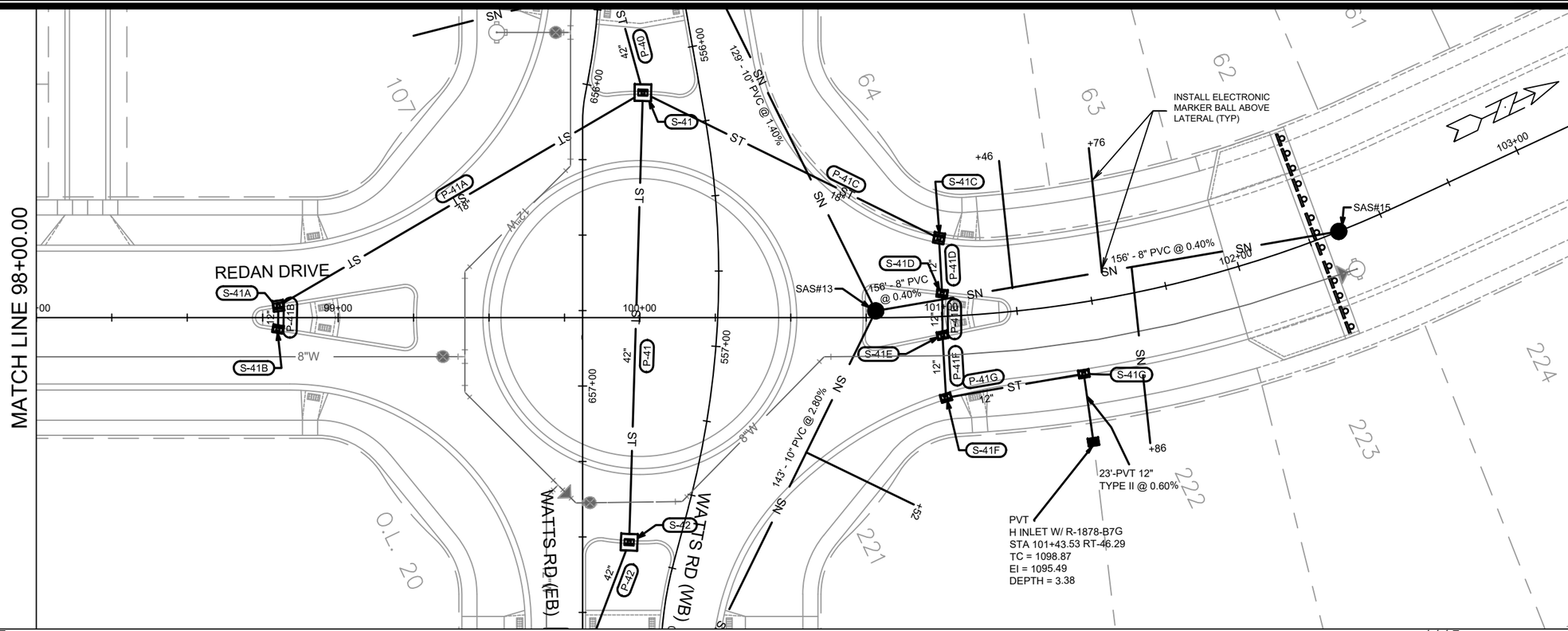
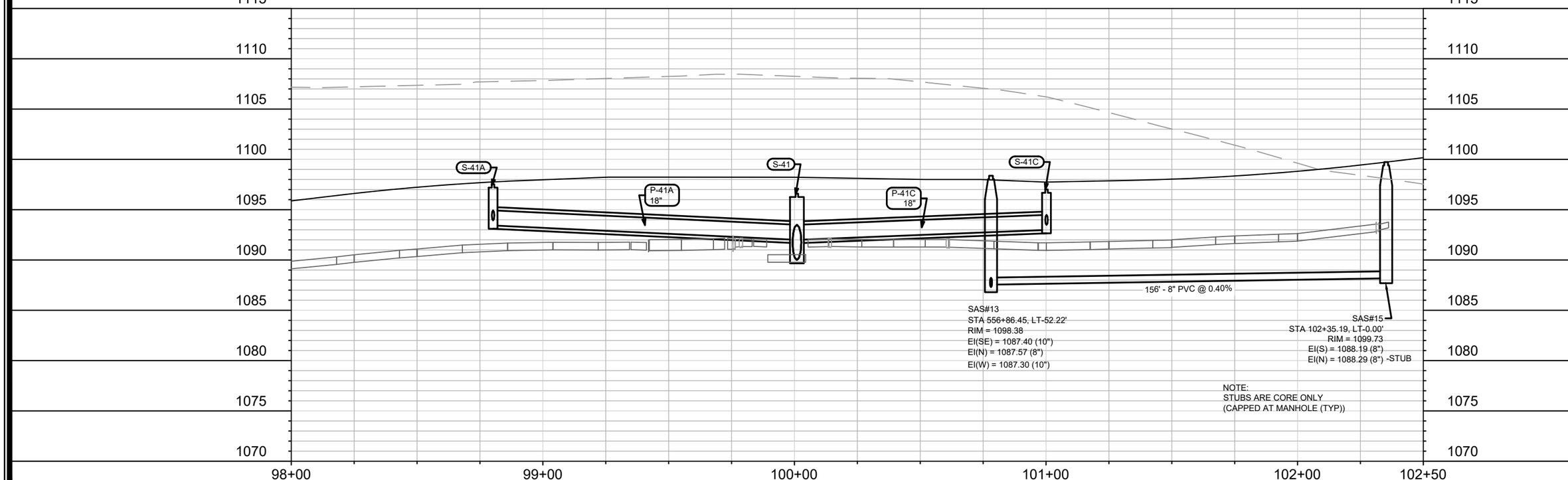
CITY OF MADISON WISCONSIN

13293

U-2





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Designed By: EEA | Date: 4/9/2021 11:16 AM | Scale: 1" = 40'

13293

MADISON, WI

CONTRACT NO: 8966

REDAN DRIVE - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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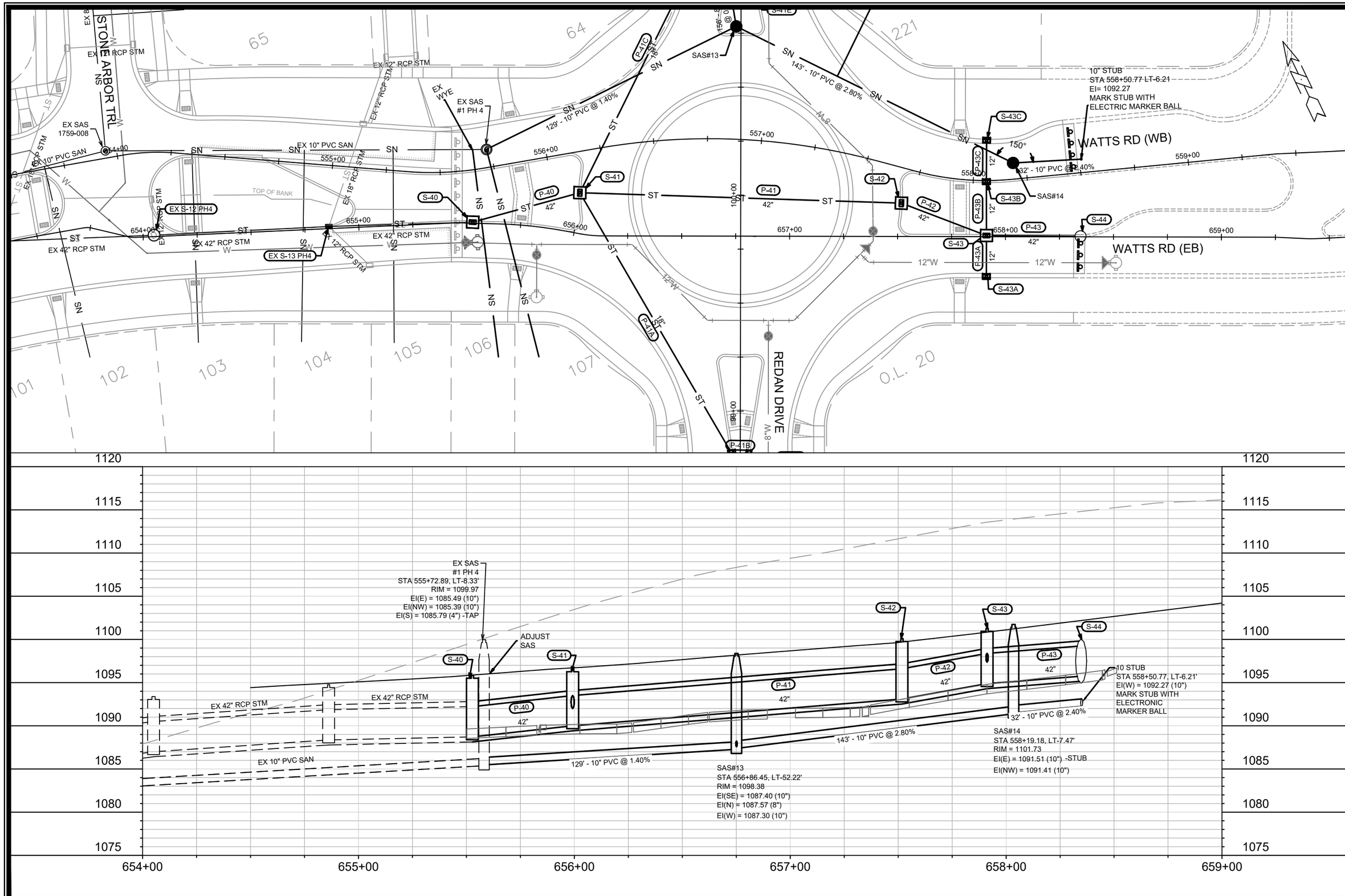
13293

U-3



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Date: 4/9/2021 11:19 AM
Scale: 1" = 40'

13293

U-4

13293

MADISON, WI

CONTRACT NO: 8966

WATTS RD WESTBOUND - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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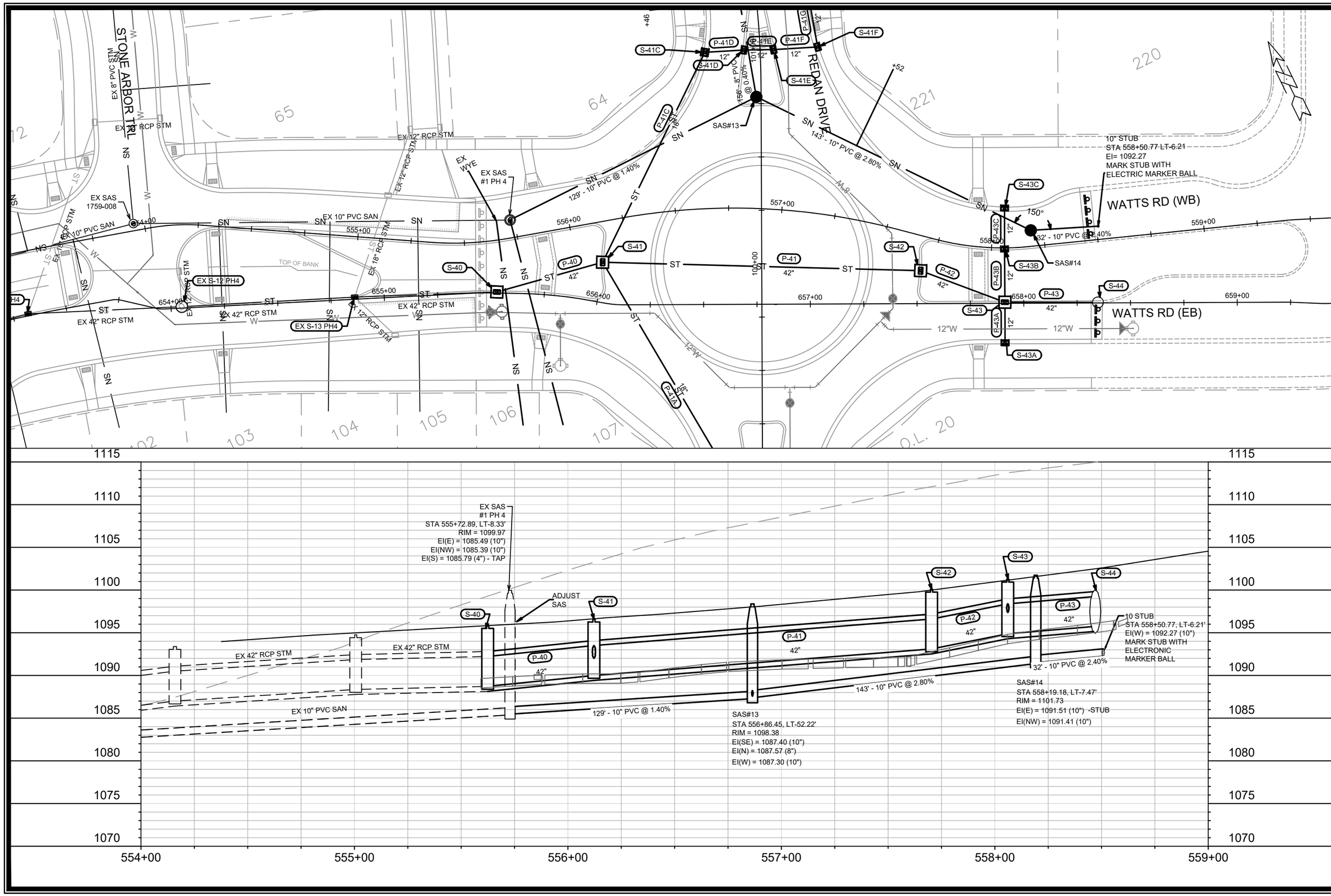
CITY OF MADISON WISCONSIN

13293

U-4



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Designed By: EEA | Date: 4/9/2021 11:22 AM | Scale: 1" = 40'

13293 | U-5

13293

MADISON, WI

CONTRACT NO: 8966

WATTS RD EASTBOUND - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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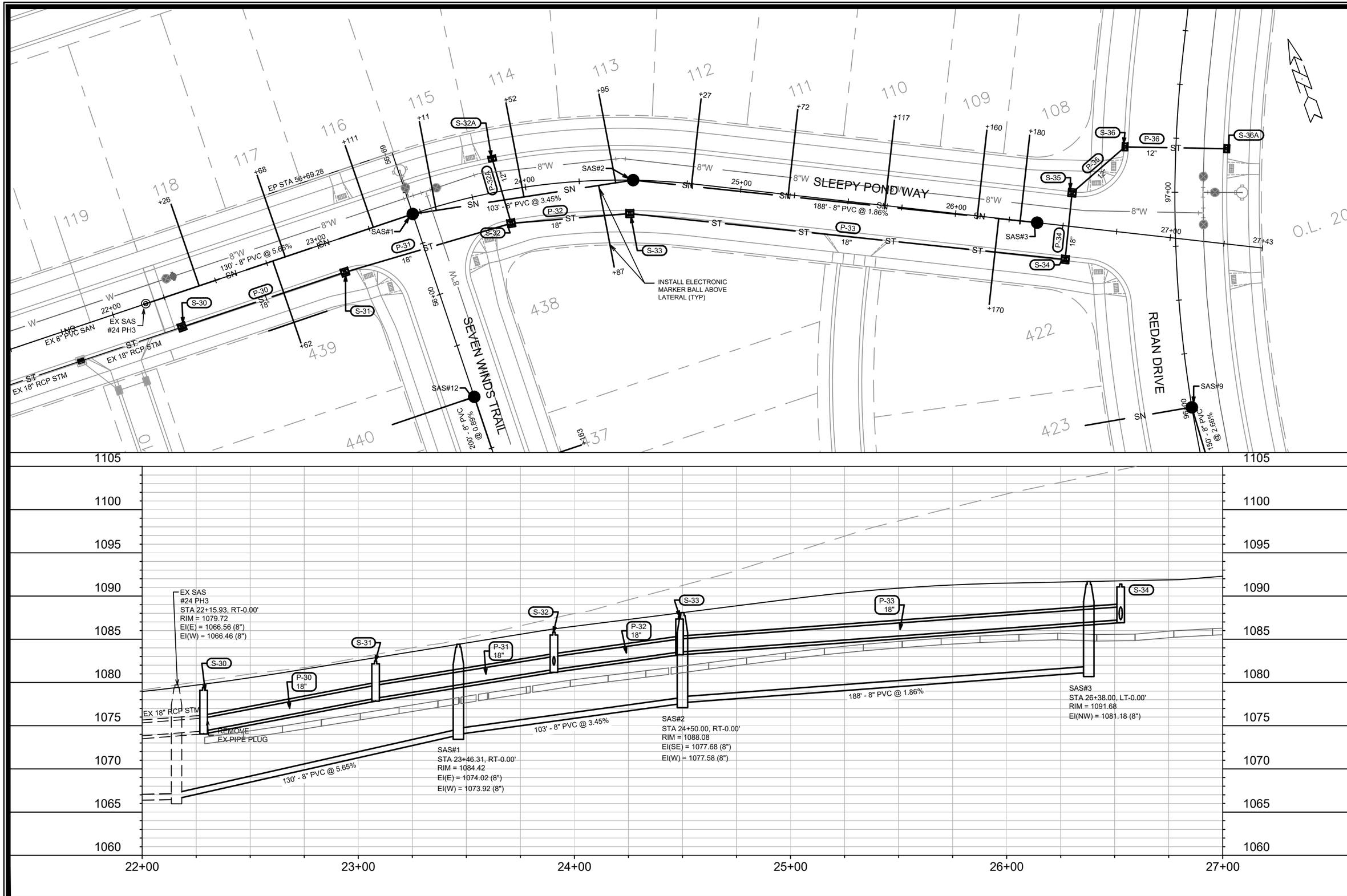
CITY OF MADISON WISCONSIN

13293

U-5



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13293

U-6

13293

MADISON, WI

CONTRACT NO: 8966

SLEEPY POND WAY - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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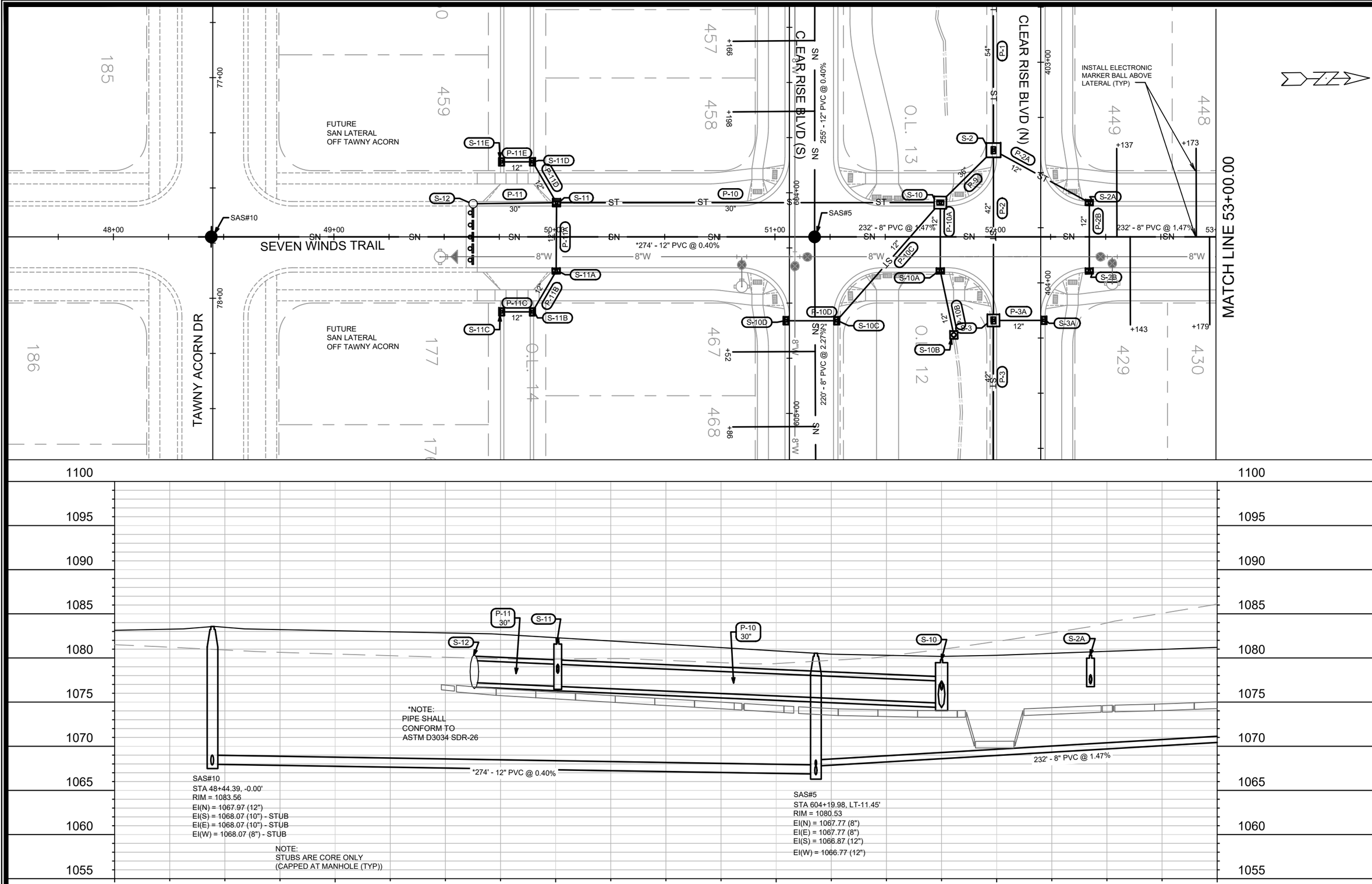
CITY OF MADISON WISCONSIN

13293

U-6



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13293

U-7

13293

MADISON, WI

8966

CONTRACT NO:

SEVEN WINDS TRAIL - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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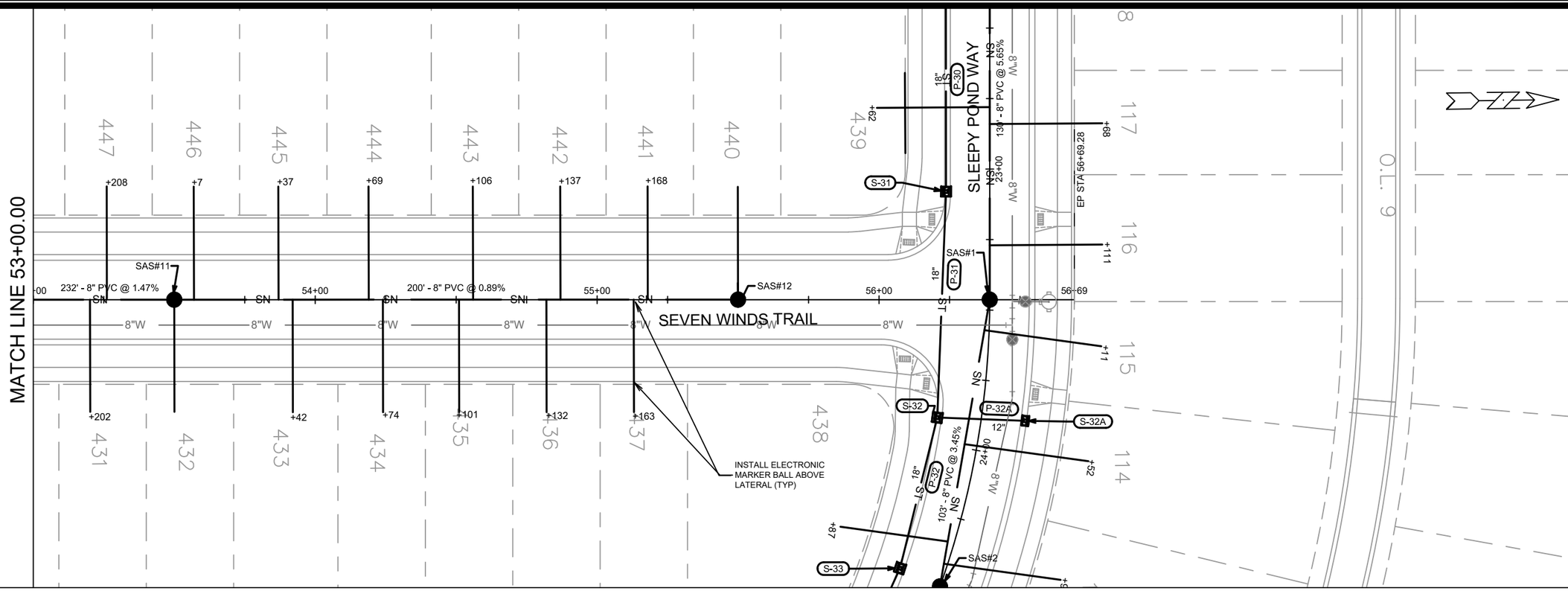
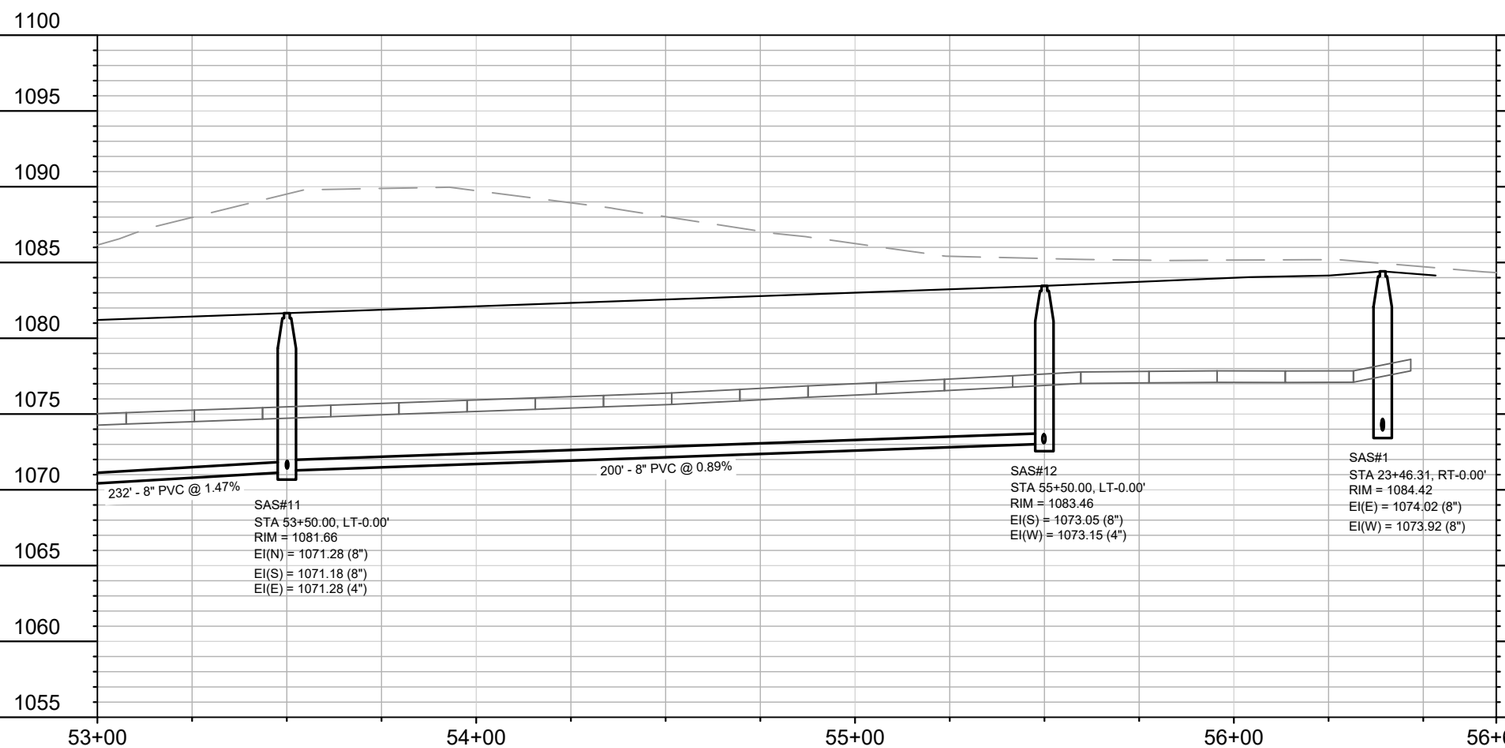
CITY OF MADISON WISCONSIN

13293

U-7





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13293 | U-8

13293

MADISON, WI

CONTRACT NO: 8966

SEVEN WINDS TRAIL - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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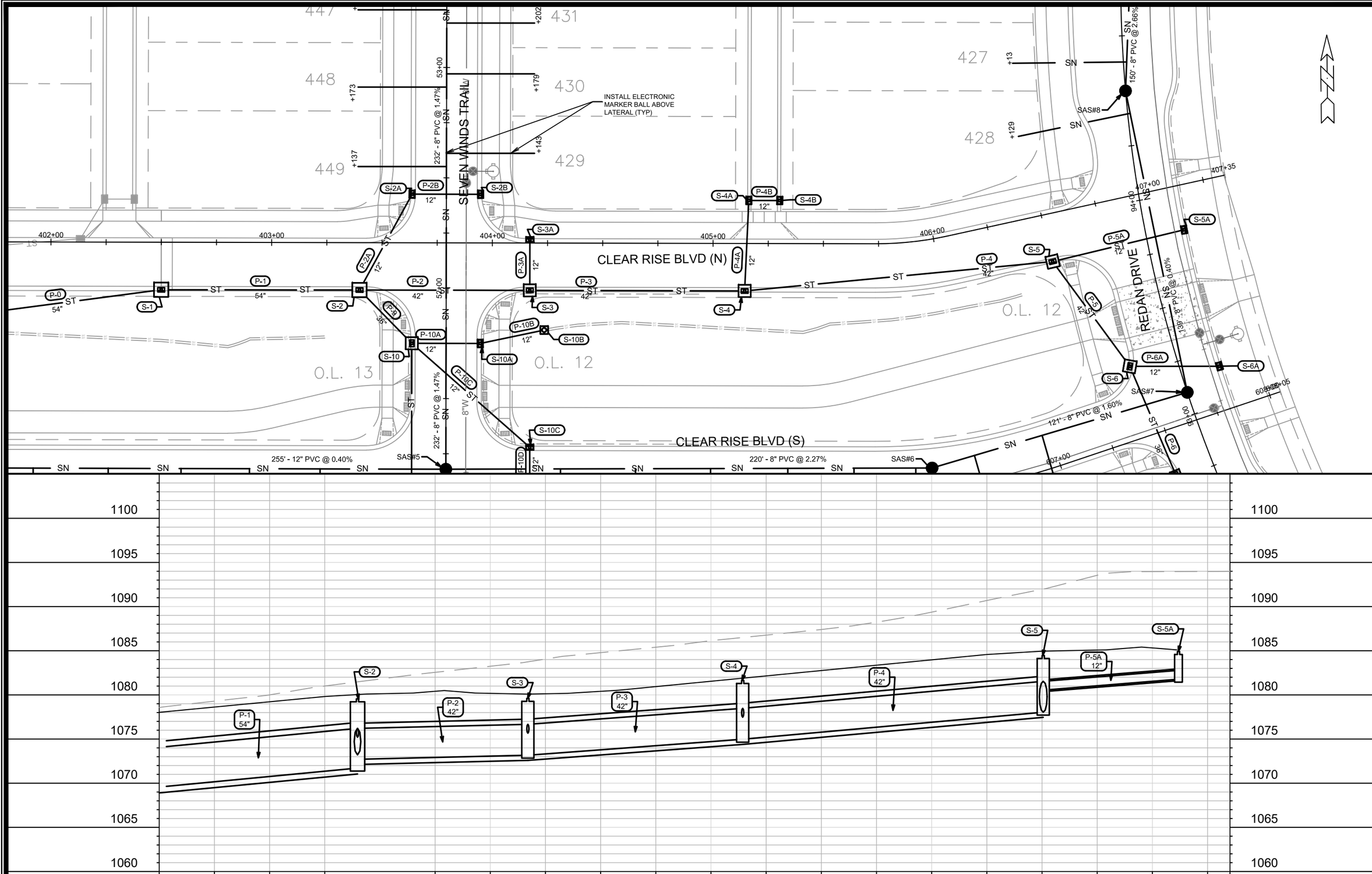
13293

U-8



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13293

U-9

13293

MADISON, WI

CONTRACT NO: 8966

CLEAR RISE BLVD NORTH - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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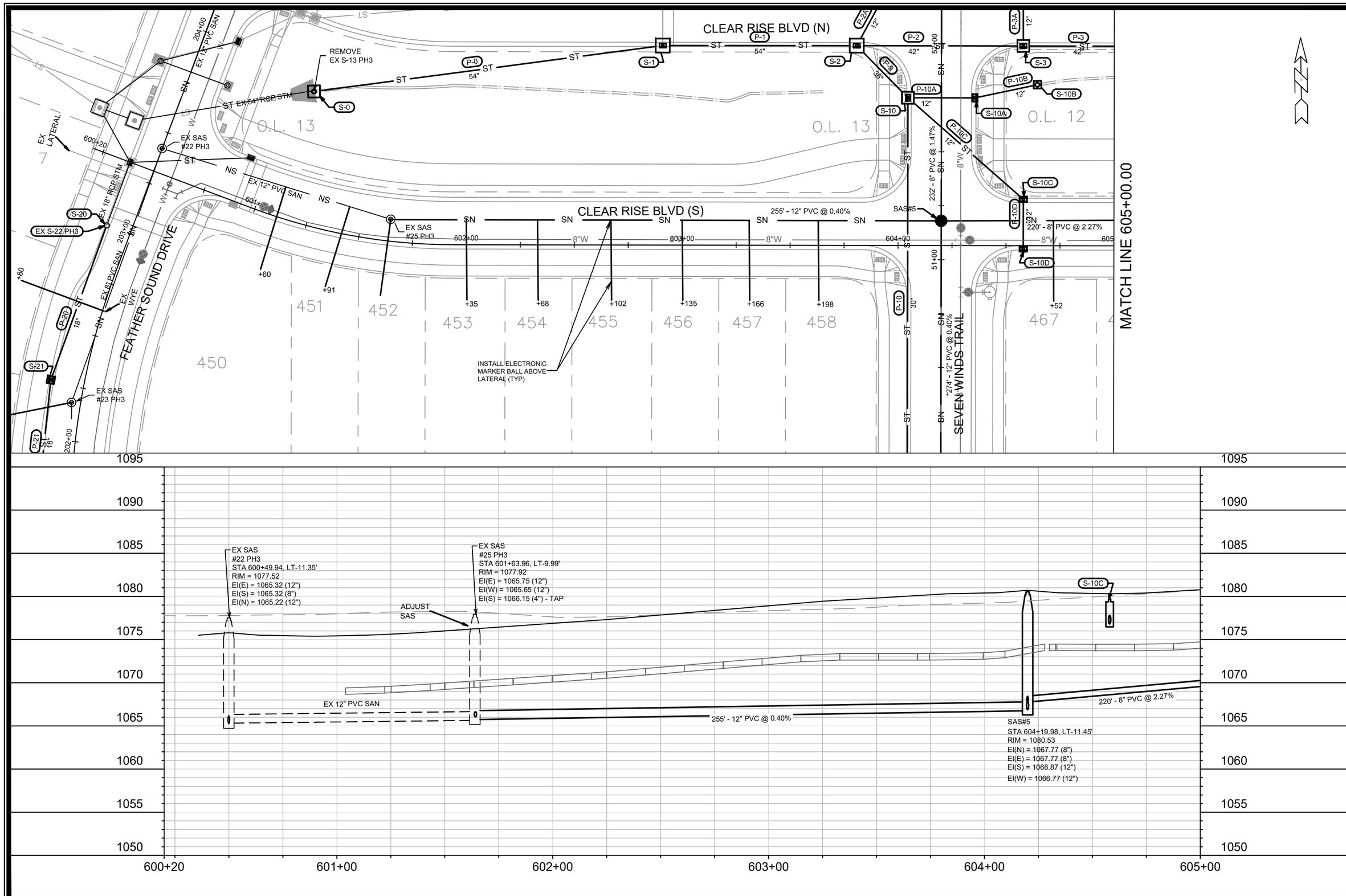
CITY OF MADISON WISCONSIN

13293

U-9



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Designed By: EEA | Date: 3/31/2021 4:12 PM | Scale: 1" = 40'

13293 | U-10

13293

MADISON, WI

CONTRACT NO: 8966

CLEAR RISE BLVD SOUTH - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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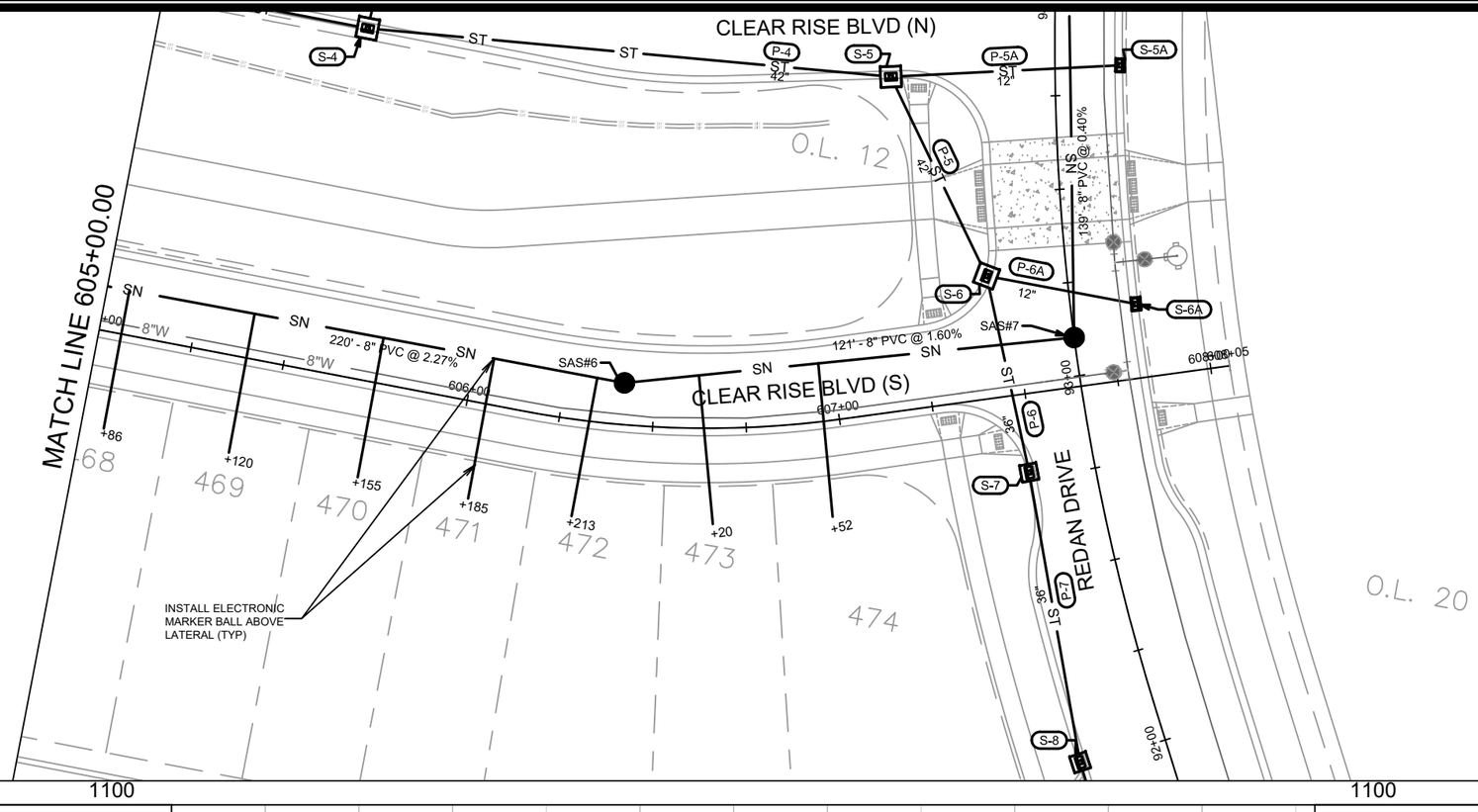
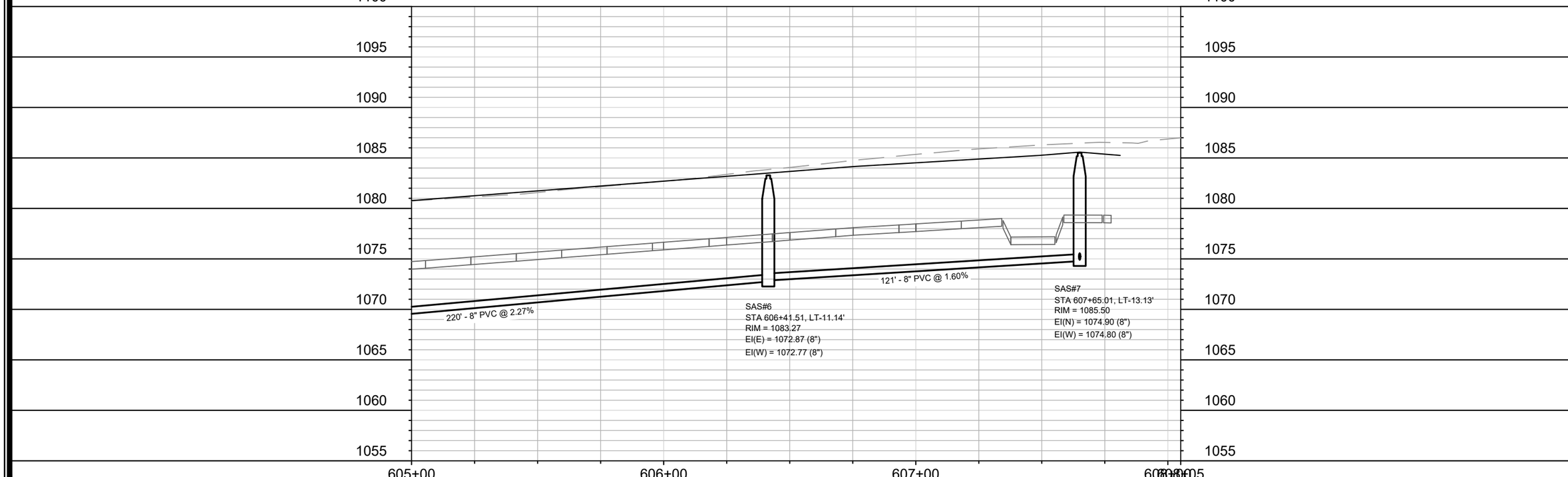
13293

U-10





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13293

U-11

13293

MADISON, WI

CONTRACT NO: 8966

CLEAR RISE BLVD SOUTH - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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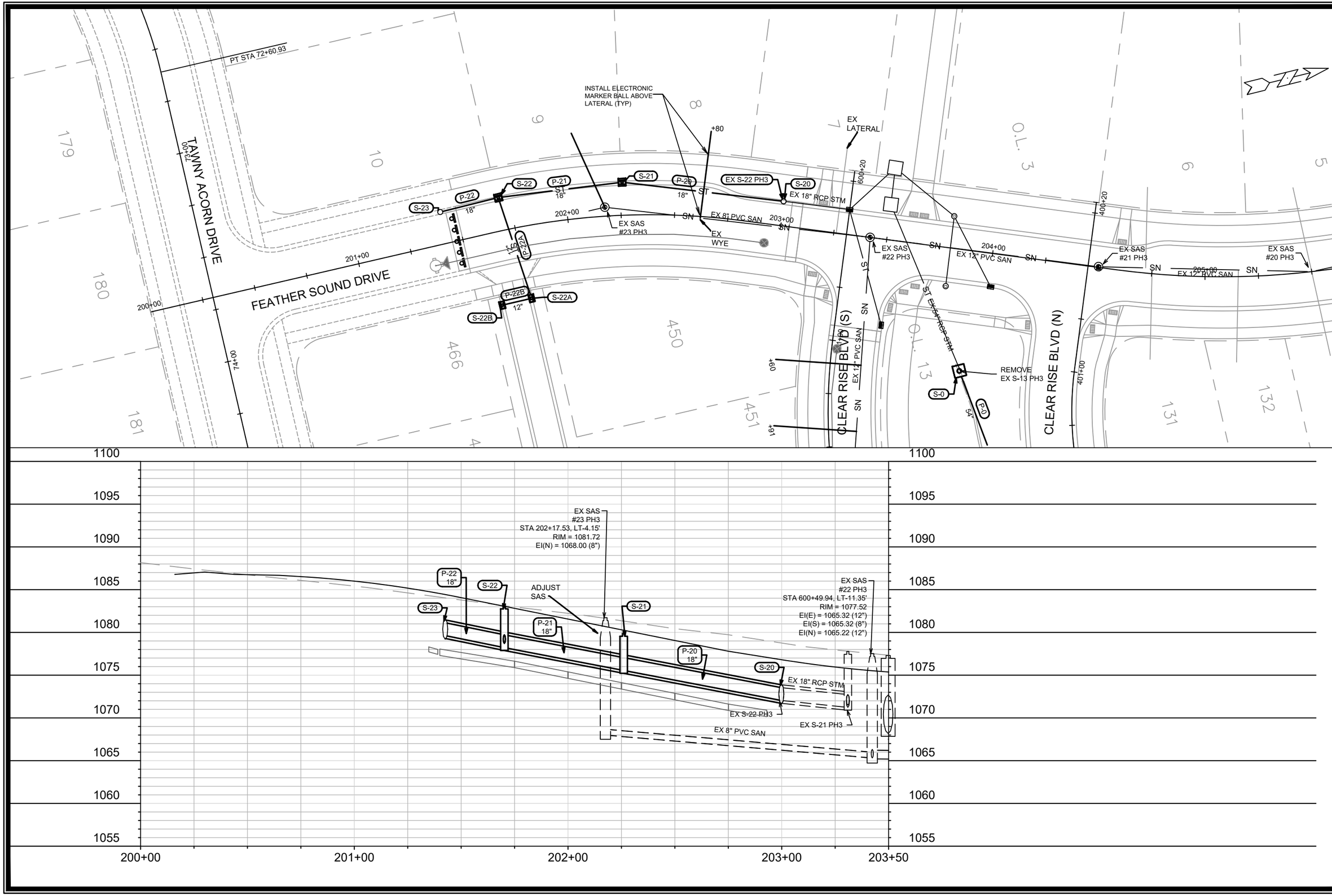
CITY OF MADISON WISCONSIN

13293

U-11



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13293 | U-12

13293

MADISON, WI

CONTRACT NO: 8966

FEATHER SOUND DRIVE - UTILITIES PLAN & PROFILE

ACACIA RIDGE: PHASE 5

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CITY OF MADISON WISCONSIN

13293

U-12

SANITARY SEWER SCHEDULE

ACACIA RIDGE PHASE 5	SHEET NO.
PROJECT NO. 13293	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY

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

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
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	-
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	-

ADJUST SANITARY STRUCTURES

STRUC ID NO.	STATION	LOCATION (OFFSET)	EX RIM	PROP RIM	NOTES
WATTS ROAD					
#1 PH 4	555+72.89	LT-8.33	1099.97	1095.81	-
CLEAR RISE BLVD - SOUTH					
#25 PH 3	601+63.96	LT-9.99	1077.92	1076.16	-
FEATHER SOUND DRIVE					
#23 PH 3	202+17.53	LT-4.15	1081.72	1080.02	-

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.

ACACIA RIDGE PHASE 5	SHEET NO.
PROJECT NO. 13293	U-STM
STORM SEWER SCHEDULE #1	
	CITY OF MADISON

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
CLEAR RISE BLVD - NORTH							
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
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

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	-
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	-
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	-
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	-

REMOVE STORM STRUCTURES

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

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.

- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

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

- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

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

STORM SEWER SCHEDULE

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

PROPOSED STORM STRUCTURES / PROPOSED STORM PIPES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
FEATHER SOUND DR																		
S-20	202+99.82	LT-11.50	CONCRETE COLLAR	-	1072.04	-	REMOVE EX PIPE PLUG	P-20	S-20	S-21	1072.04	1075.55	76	75	4.68%	18"	TYPE I	-
S-21	202+26.05	LT-15.50	3X3 SAS	1080.35	1075.55	4.80	W/ R-3067-7004-V	P-21	S-21	S-22	1075.55	1078.22	58	55	4.85%	18"	TYPE II	-
S-22	201+70.21	LT-15.50	3X3 SAS	1083.18	1078.22	4.96	W/ R-3067-7004-V	P-22	S-22	S-23	1078.22	1079.63	28	27	5.22%	18"	TYPE II	-
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	P-22A	S--22	S-22A	1078.72	1079.99	50	47	2.70%	12"	TYPE I	-
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	P-22B	S-22A	S-22B	1079.99	1080.23	14	12	2.00%	12"	TYPE II	-
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)	P-30	S-30	S-31	1074.38	1078.17	80	78	4.86%	18"	TYPE II	-
S-31	23+08.00	RT-15.50	3X3 SAS	1082.97	1078.17	4.80	W/ R-3067-7004-V	P-31	S-31	S-32	1078.17	1081.50	80	77	4.32%	18"	TYPE I	-
S-32	23+90.54	RT-15.50	3X3 SAS	1086.13	1081.50	4.63	W/ R-3067-7004-V	P-32	S-32	S-33	1081.50	1083.53	55	52	3.90%	18"	TYPE II	-
S-32A	23+87.30	LT-15.50	H INLET	1086.09	1082.78	3.31	W/ R-3067-7004-V	P-32A	S-32	S-32A	1082.00	1082.78	31	29	2.69%	12"	TYPE I	-
S-33	24+48.66	RT-15.50	3X3 SAS	1088.13	1083.53	4.60	W/ R-3067-7004-V	P-33	S-33	S-34	1083.53	1087.25	203	201	1.85%	18"	TYPE II	-
S-34	26+52.79	RT-15.50	3X3 SAS	1091.85	1087.25	4.60	W/ R-3067-7004-V	P-34	S-34	S-35	1087.25	1087.81	31	30	1.87%	18"	TYPE I	-
S-35	26+52.56	LT-15.50	3X3 SAS	1092.41	1087.81	4.60	W/ R-3067-7004-V	P-35	S-35	S-36	1088.31	1089.88	32	30	0.05	12"	TYPE II	-
WATTS RD - RT																		
S-40	655+52.80	LT-0.51	5X5 SAS	1096.31	1088.72	7.59	W/ R-3067-7004-V	P-40	S-40	S-41	1088.72	1090.00	51	46	2.78%	42"	TYPE I	-
S-41	655+99.21	LT-18.68	5X5 SAS	1097.06	1090.00	7.06	LP; W/ R-3067-7004-VB; (1)	P-41	S-41	S-42	1090.00	1093.10	149	144	2.15%	42"	TYPE I	-
S-42	657+51.74	LT-15.44	5X5 SAS	1100.10	1093.10	7.00	LP; W/ R-3067-7004-VB	P-42	S-42	S-43	1093.10	1094.88	42	37	4.81%	42"	TYPE I	-
S-43	657+91.18	LT-0.52	5X5 SAS	1101.27	1094.88	6.39	FP; W/ R-3067-7004-V	P-43	S-43	S-44	1094.88	1095.74	44	41	2.10%	42"	TYPE I	-
S-43A	657+91.15	RT-18.50	H INLET	1101.04	1097.94	3.10	W/ R-3067-7004-V	P-43A	S-43	S-43A	1097.38	1097.94	19	16	3.50%	12"	TYPE I	-
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	P-36	S-36	S-36A	1089.88	1090.12	47	45	0.53%	12"	TYPE I	-
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	P-41A	S-41	S-41A	1092.00	1093.43	140	135	1.06%	18"	TYPE I	-
S-41B	98+80.10	RT-3.82	H INLET	1098.28	1094.62	3.66	W/ R-3067-7004-V	P-41B	S-41A	S-41B	1093.93	1094.62	8	5	13.80%	12"	TYPE II	-
S-41C	101+00.21	LT-25.96	3X3 SAS	1097.48	1092.98	4.50	LP; W/ R-3067-7004-VB; (1)	P-41C	S-41	S-41C	1092.00	1092.98	109	105	0.93%	18"	TYPE I	-
S-41D	101+00.46	LT-7.59	H INLET	1098.11	1094.43	3.68	LP; W/ R-3067-7004-VB	P-41D	S-41C	S-41D	1093.48	1094.43	18	16	5.94%	12"	TYPE I	-
S-41E	101+00.01	RT-6.22	H INLET	1098.26	1094.60	3.66	LP; W/ R-3067-7004-VB; (1)	P-41E	S-41D	S-41E	1094.43	1094.60	14	12	1.42%	12"	TYPE II	-
S-41F	101+00.25	RT-26.96	H INLET	1098.67	1095.07	3.60	LP; W/ R-3067-7004-VB	P-41F	S-41E	S-41F	1094.60	1095.07	21	19	2.47%	12"	TYPE I	-
S-41G	101+43.77	RT-23.50	H INLET	1098.91	1095.35	3.56	W/ R-3067-7004-V	P-41G	S-41F	S-41G	1095.07	1095.35	46	43	0.65%	12"	TYPE II	-
WATTS RD - LT																		
S-43B	558+06.08	RT-0.53	H INLET	1101.59	1097.63	3.96	W/ R-3067-7004-V	P-43B	S-43	S-43B	1097.38	1097.63	25	21	1.19%	12"	TYPE II	-
S-43C	558+06.26	LT-18.65	H INLET	1101.83	1098.11	3.72	W/ R-3067-7004-V	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:

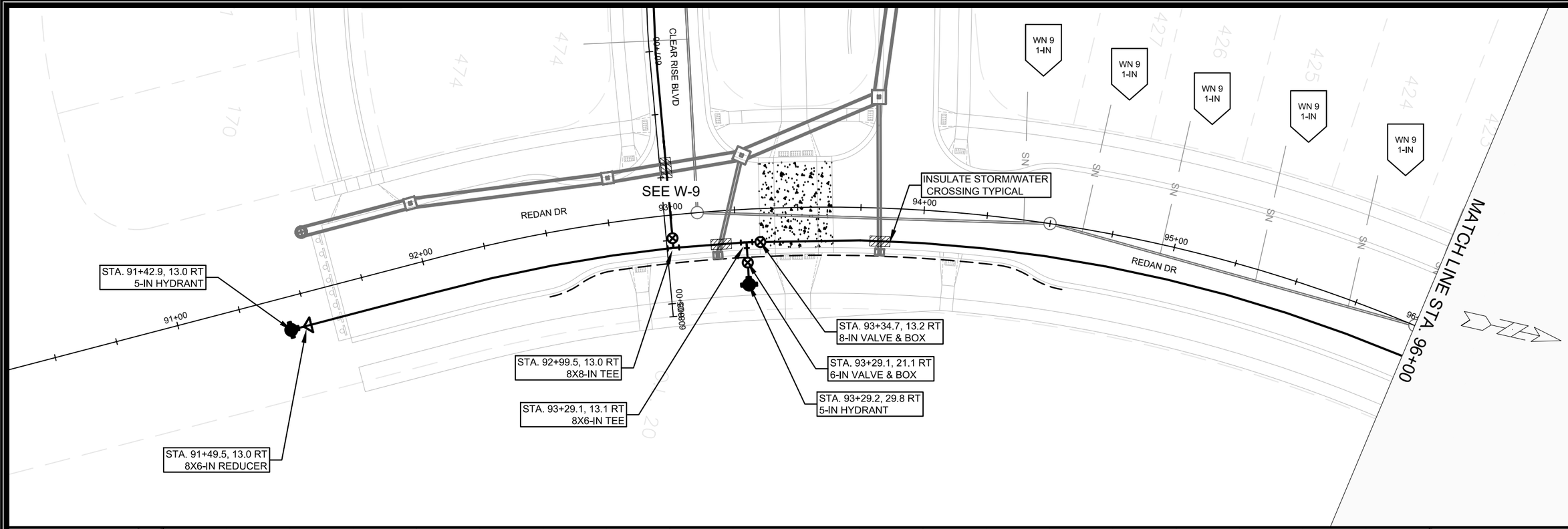
-PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

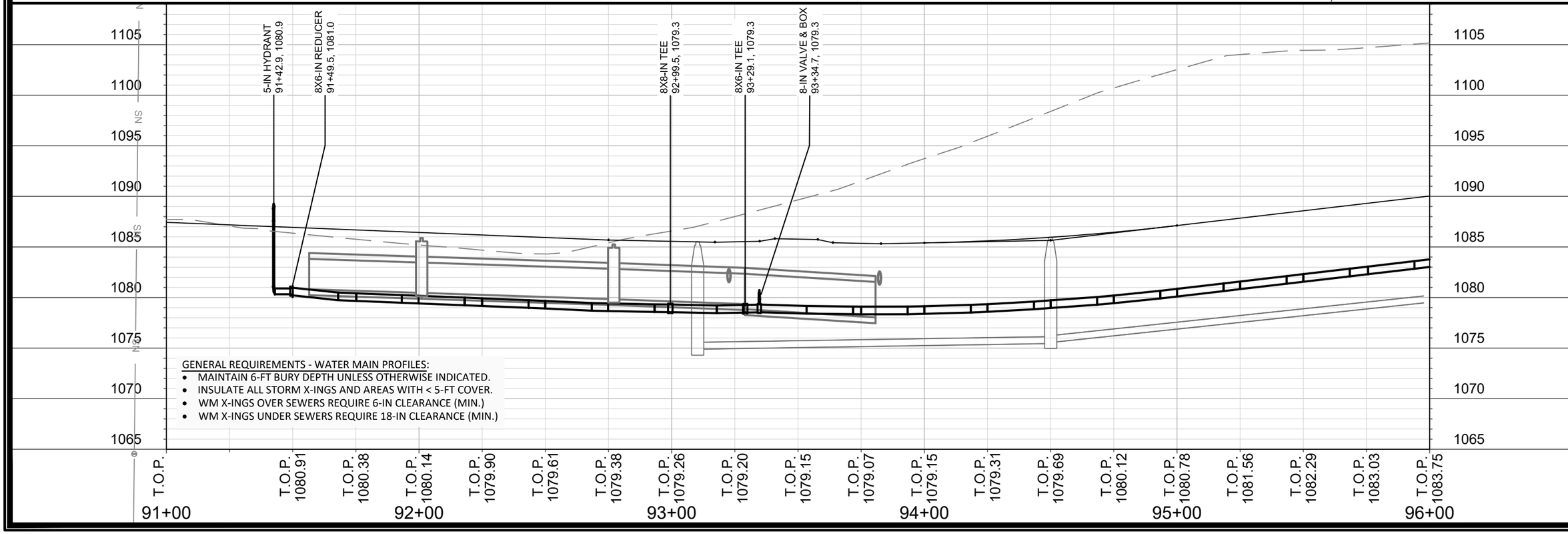
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = 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.

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





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: 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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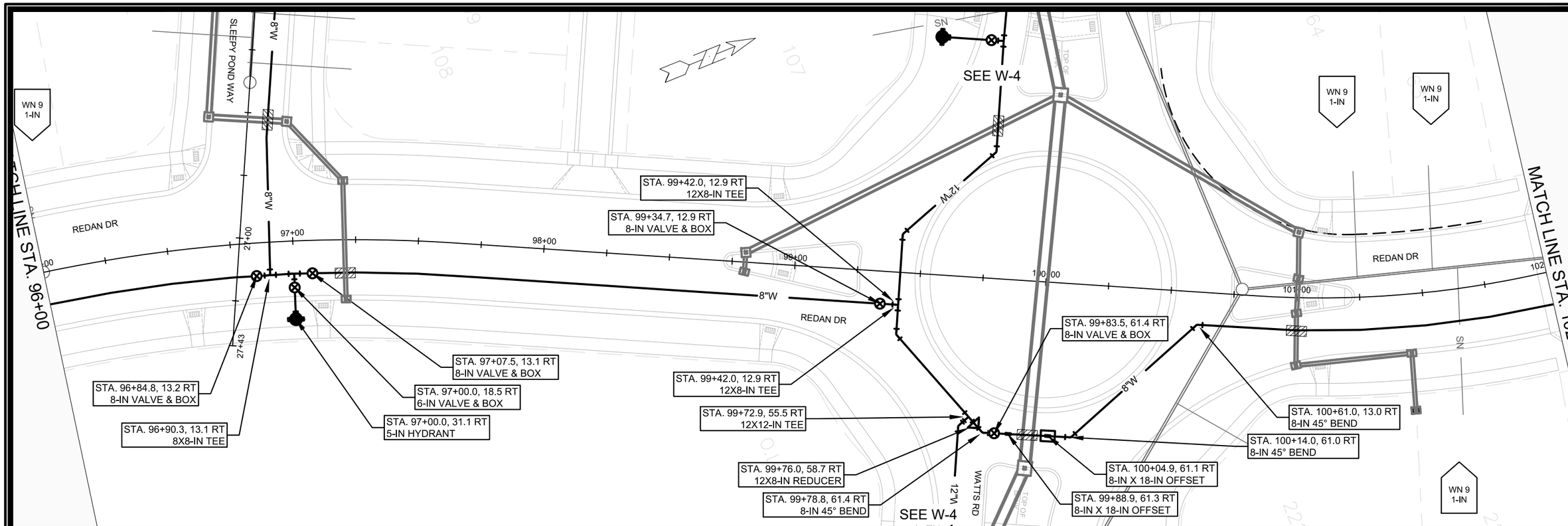

GENERAL REQUIREMENTS - WATER MAIN PROFILES:

- 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.)

SCALE: 1" = 40'
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

PLAN & PROFILE: REDAN DRIVE WATER PLAN & PROFILE

CITY OF MADISON, WISCONSIN

13293

W-2

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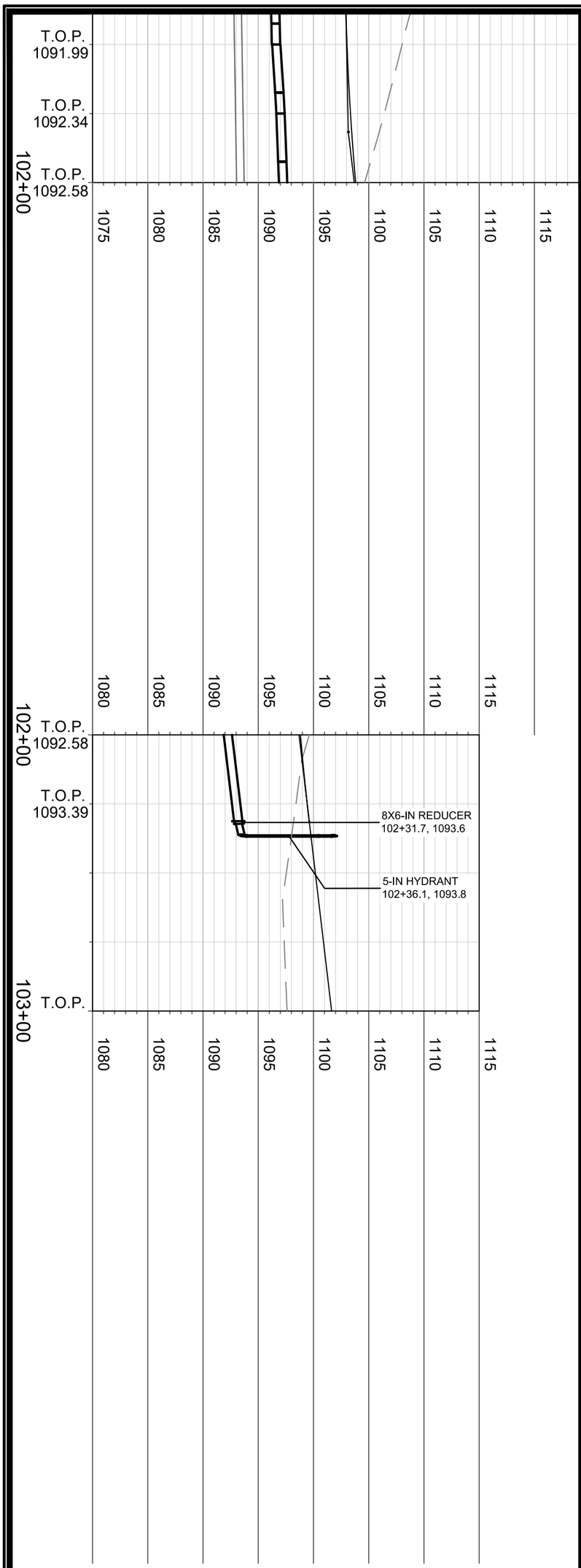

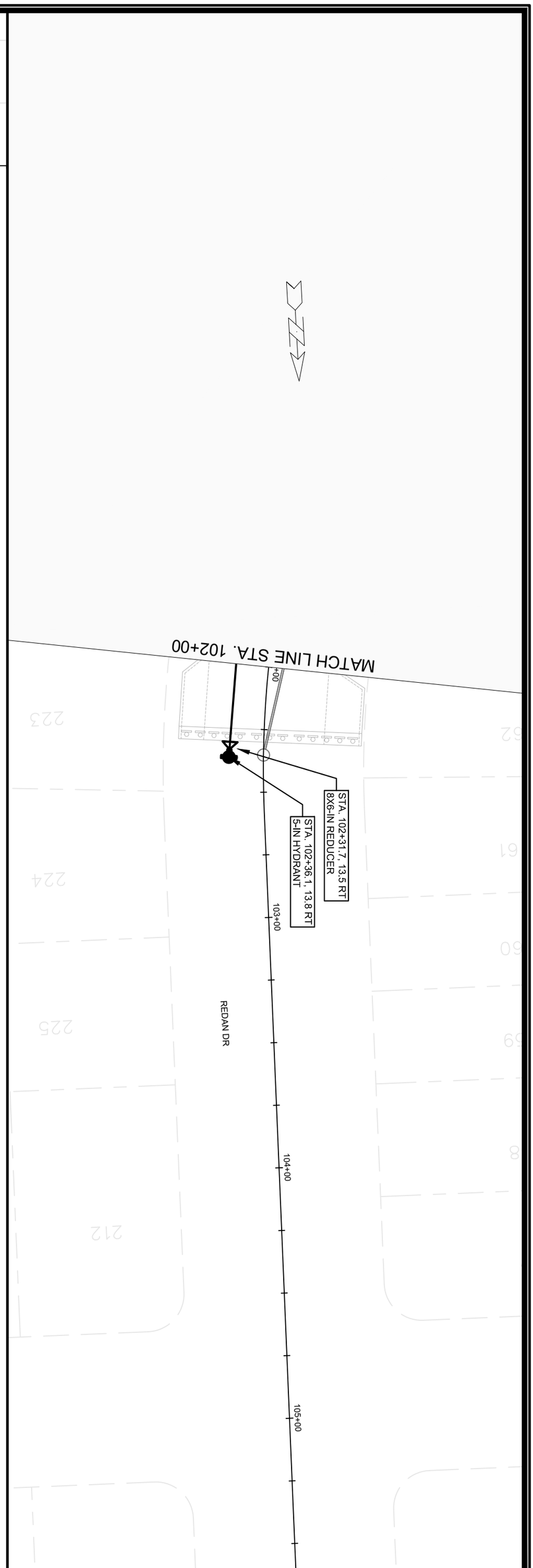

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W-3

ACACIA RIDGE: PHASE 5

PLAN & PROFILE: REDAN DRIVE WATER PLAN & PROFILE

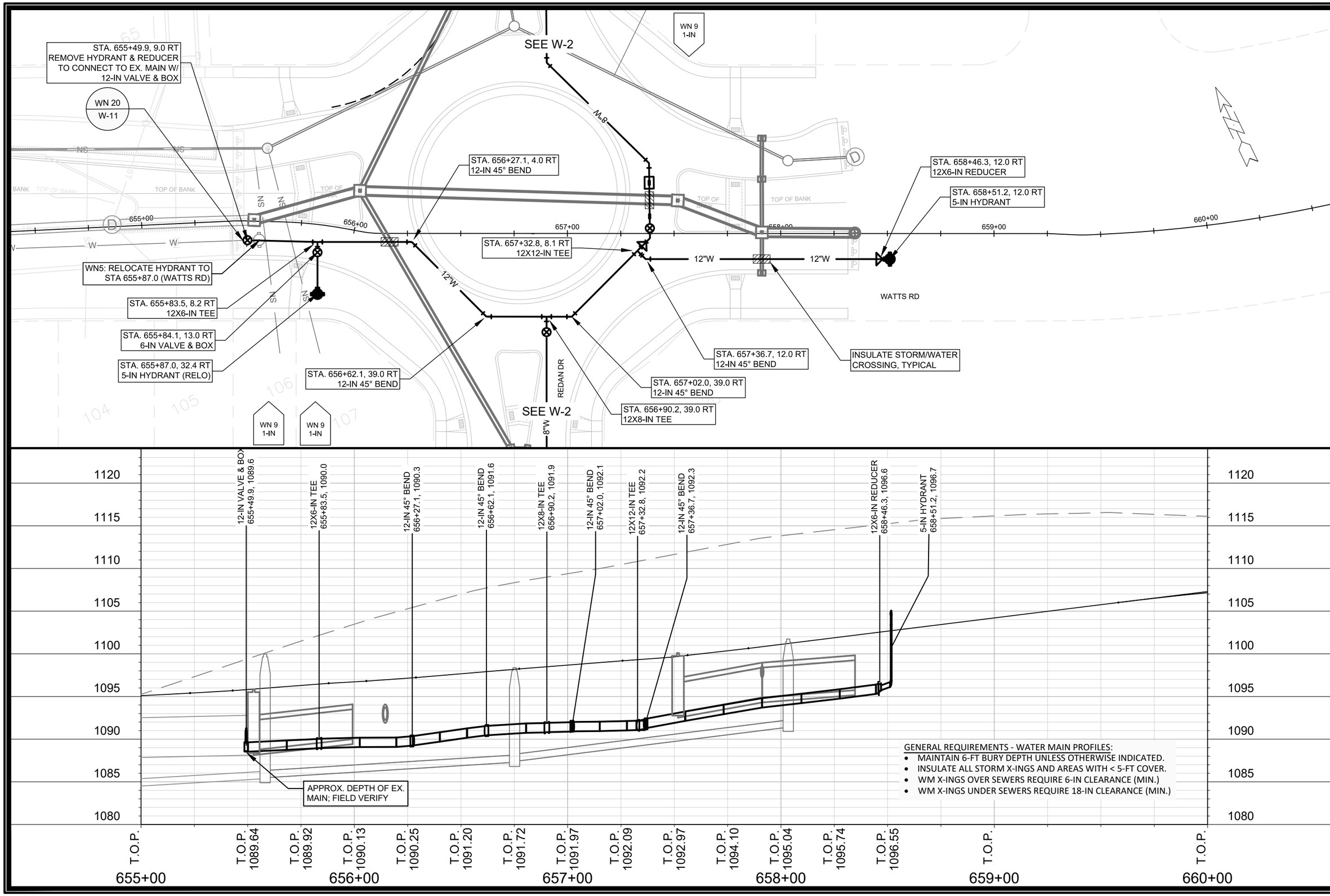
CITY OF MADISON, WISCONSIN

CONTRACT NO: 8966

SCALE: 1" = 40'

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

M:\DESIGN\PROJECTS\13293\CAD\WATER\13293_WATER_ACACIA RIDGE 5.DWG



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

ACACIA RIDGE: PHASE 5

PLAN & PROFILE: WATTS ROAD WATER PLAN & PROFILE

CITY OF MADISON, WISCONSIN

CONTRACT NO: 8966

13293

W-4

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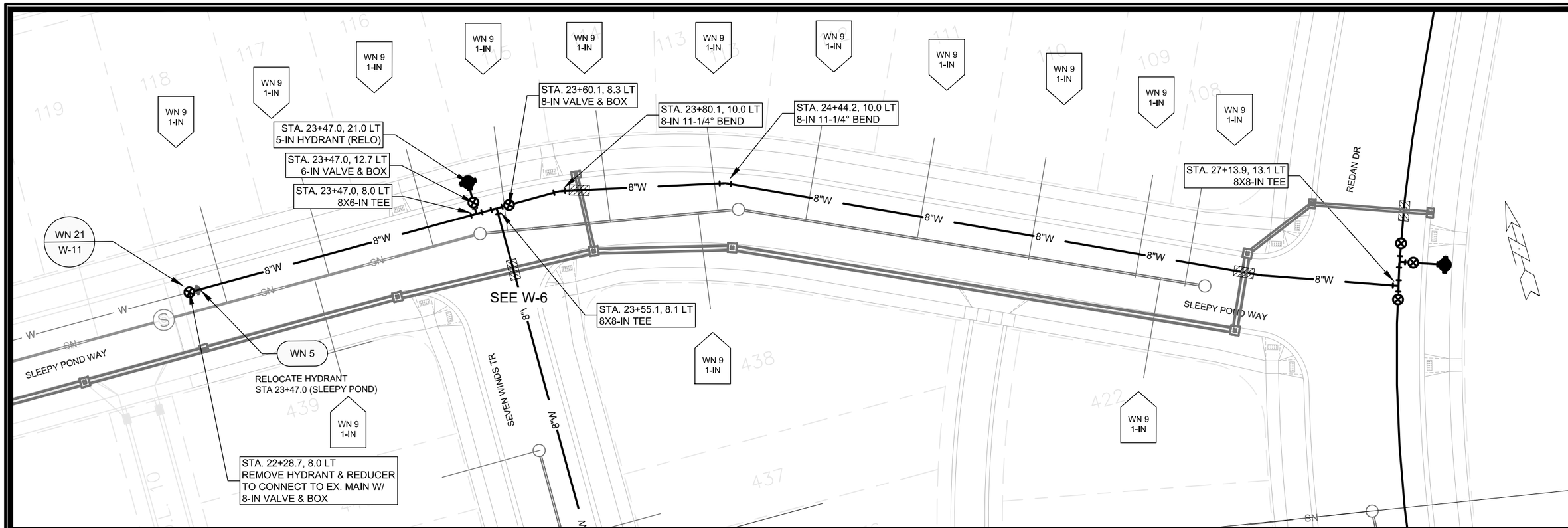

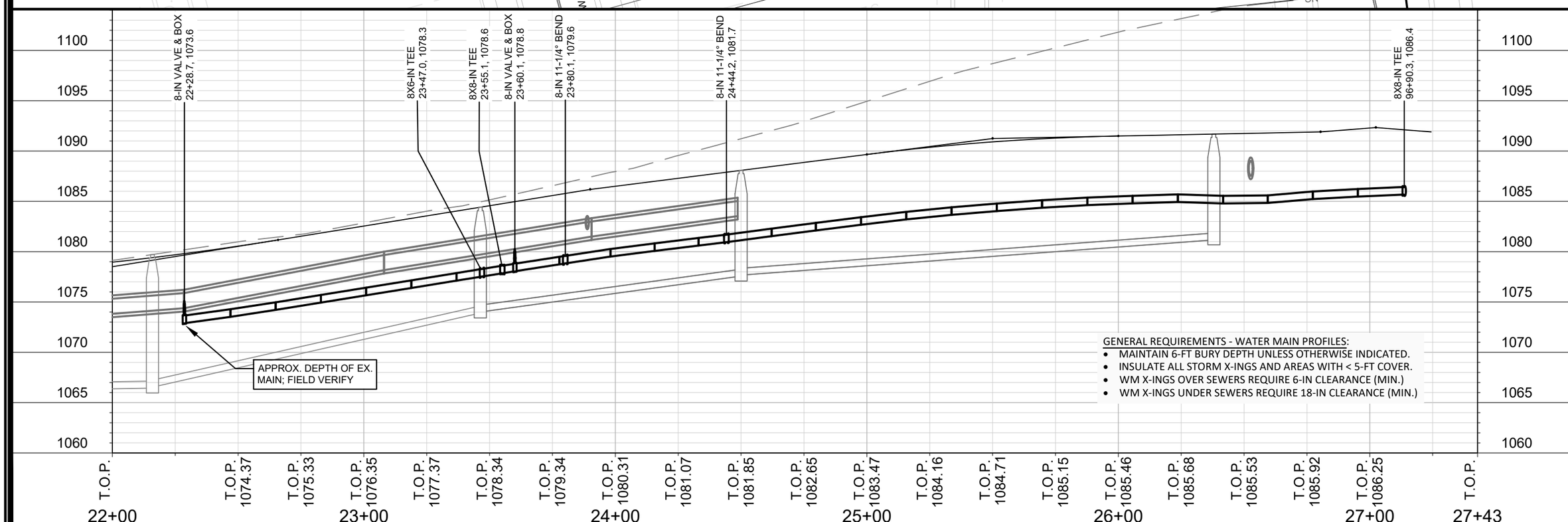

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SCALE: 1" = 40'
DESIGNED BY: KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE:4/8/21

ACACIA RIDGE: PHASE 5

PLAN & PROFILE: SLEEPY POND WAY WATER PLAN& PROFILE

CITY OF MADISON, WISCONSIN

CONTRACT NO: 8966

13293

W-5

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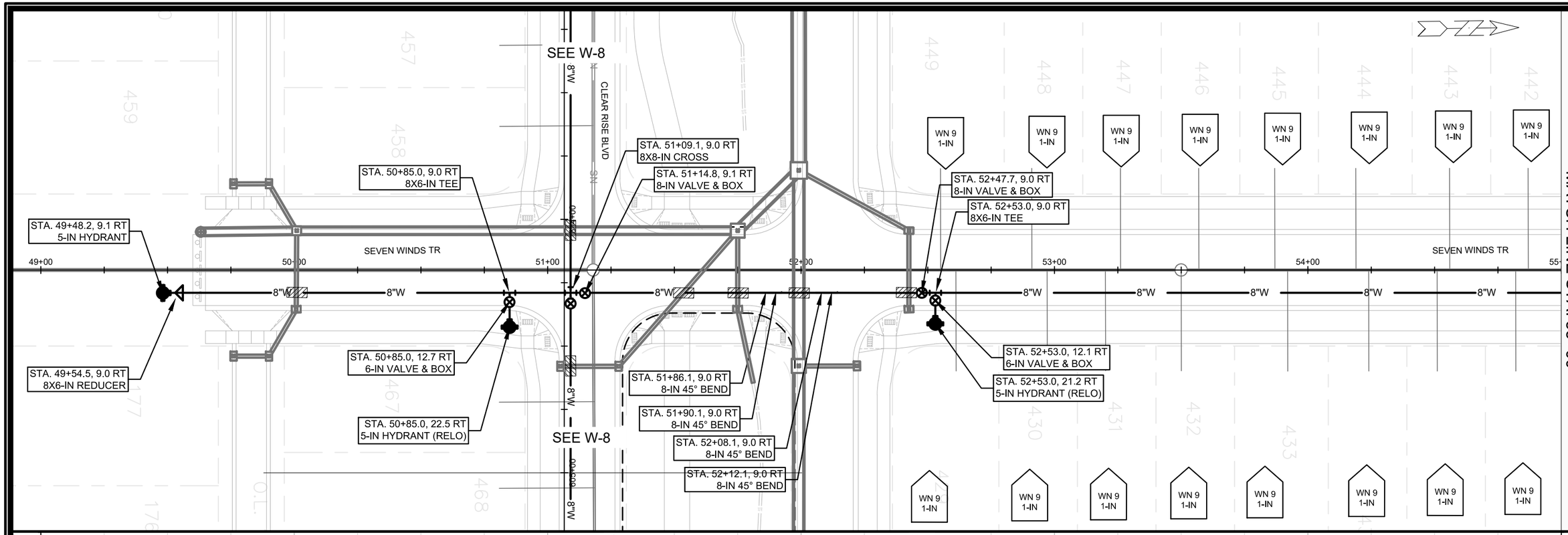

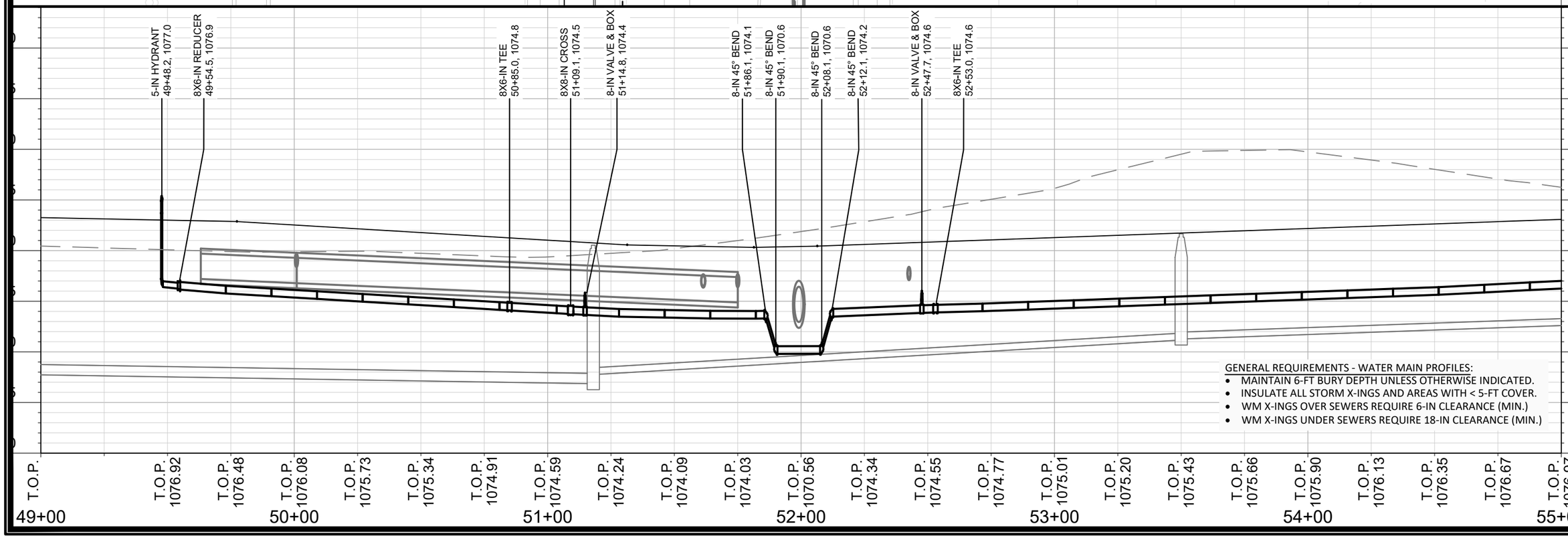

GENERAL REQUIREMENTS - WATER MAIN PROFILES:

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- 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
PRINTING DATE:4/8/21

ACACIA RIDGE: PHASE 5

PLAN & PROFILE: SEVEN WINDS TRAIL WATER PLAN & PROFILE

CITY OF MADISON, WISCONSIN

CONTRACT NO: 8966

13293

W-6

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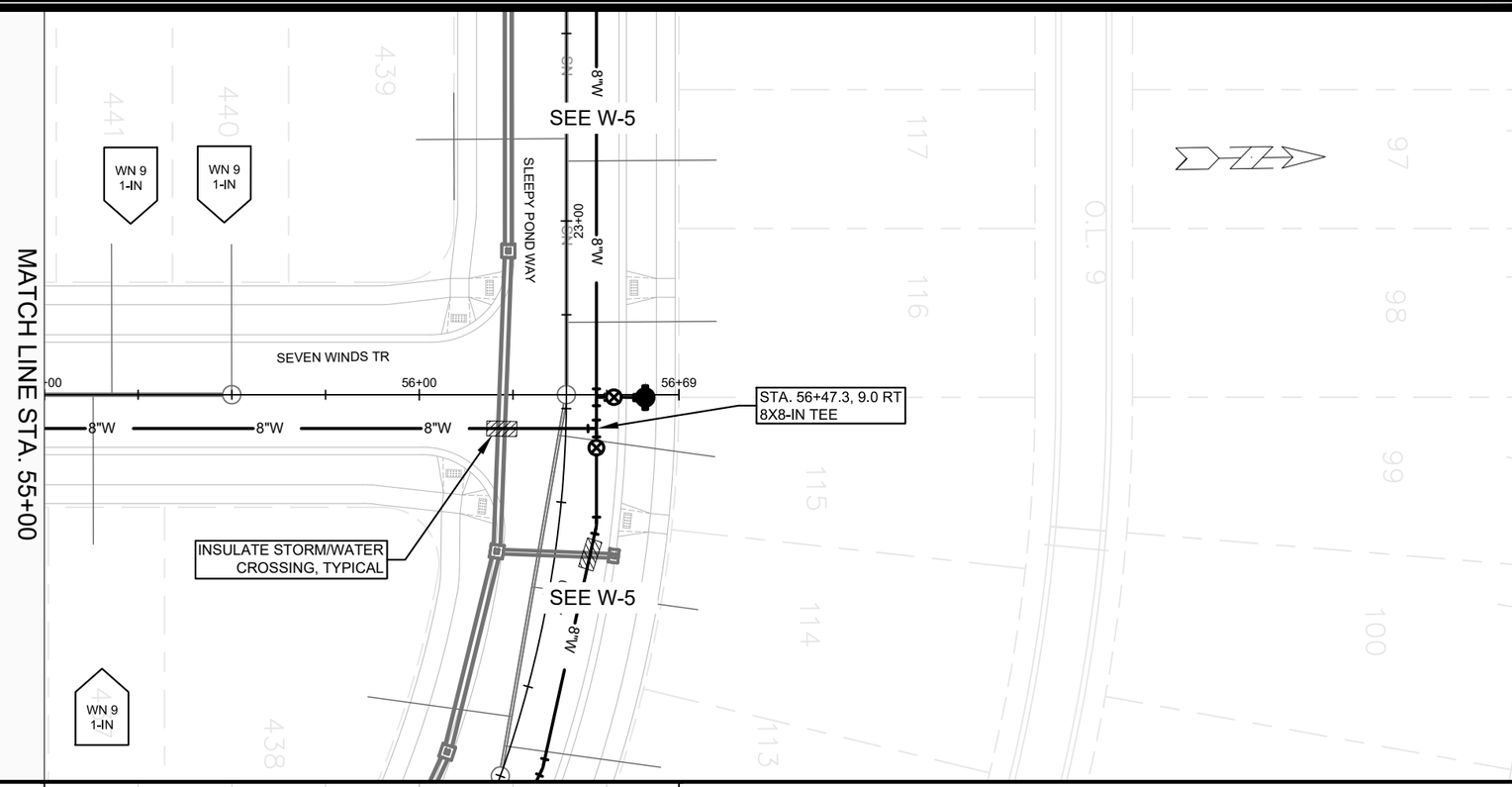

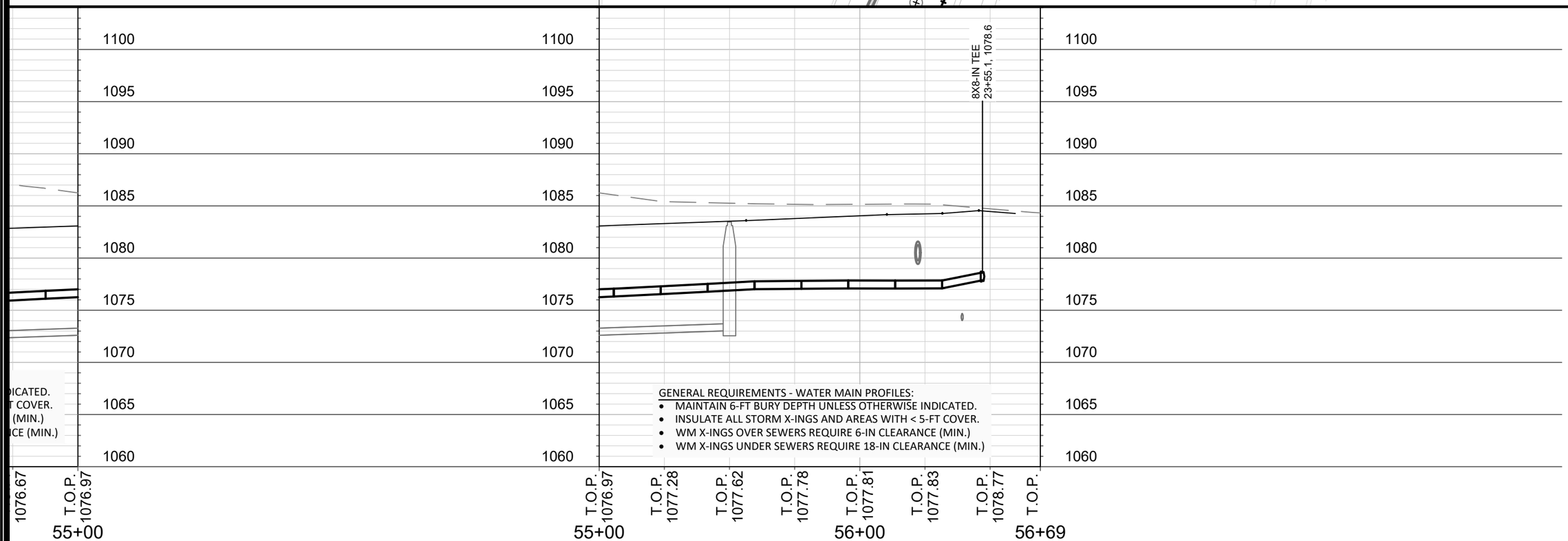

GENERAL REQUIREMENTS - WATER MAIN PROFILES:

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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: SEVEN WINDS TRAIL WATER PLAN & PROFILE

CITY OF MADISON, WISCONSIN

CONTRACT NO: 8966

13293

W-7

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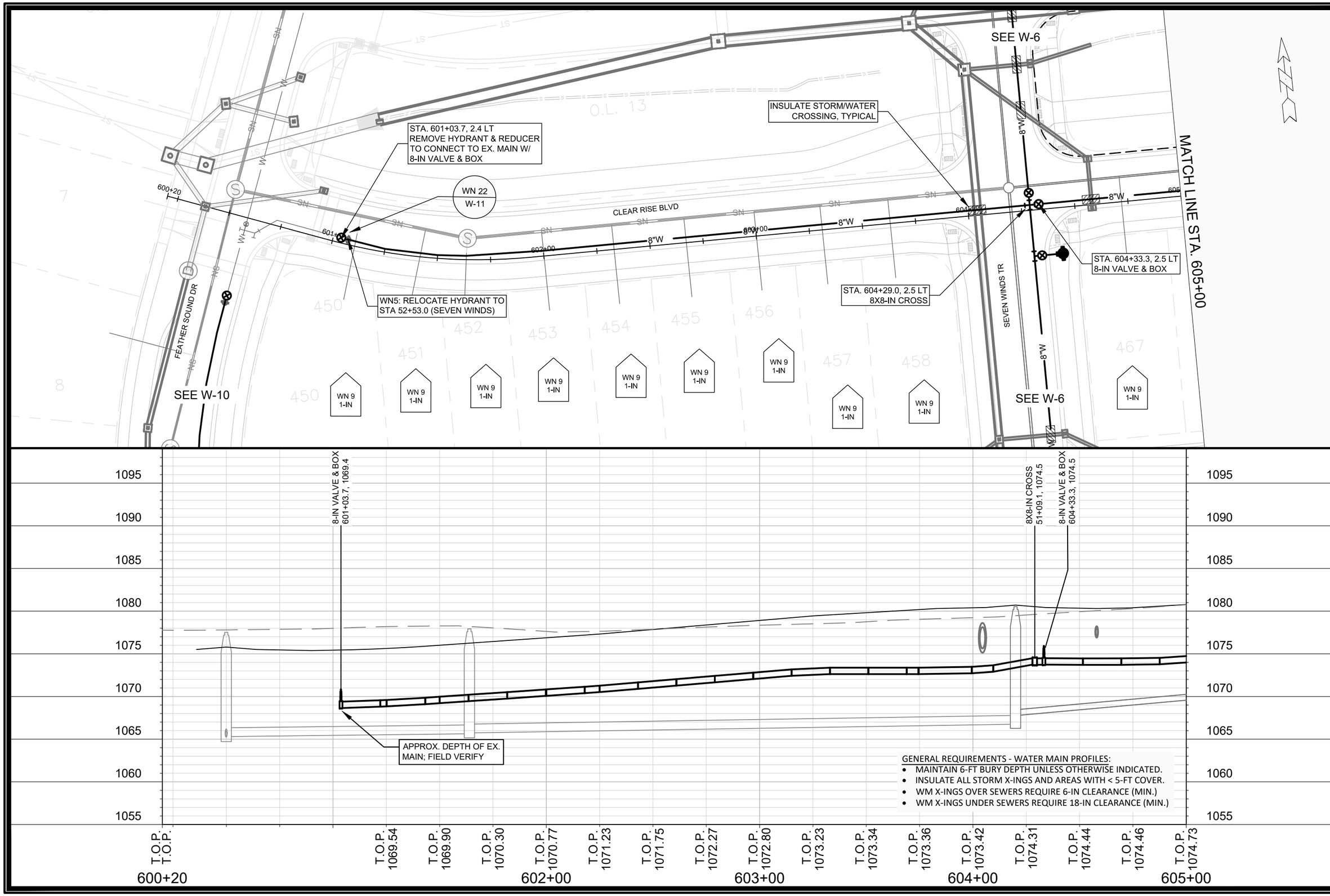

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SCALE: 1" = 40'
DESIGNED BY: KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE:4/8/21

ACACIA RIDGE: PHASE 5

PLAN & PROFILE: CLEAR RISE BLVD WATER PLAN & PROFILE

CITY OF MADISON, WISCONSIN

CONTRACT NO: 8966

13293

W-8

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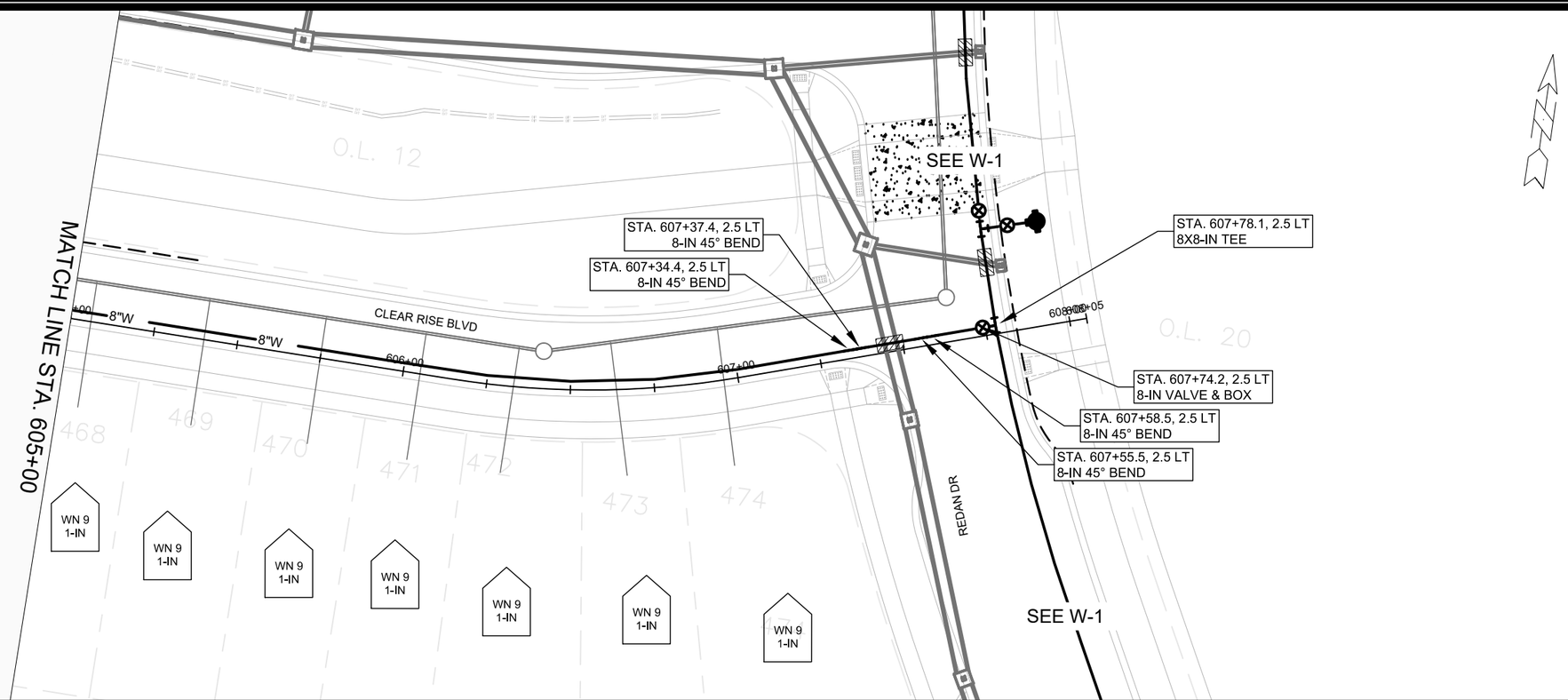

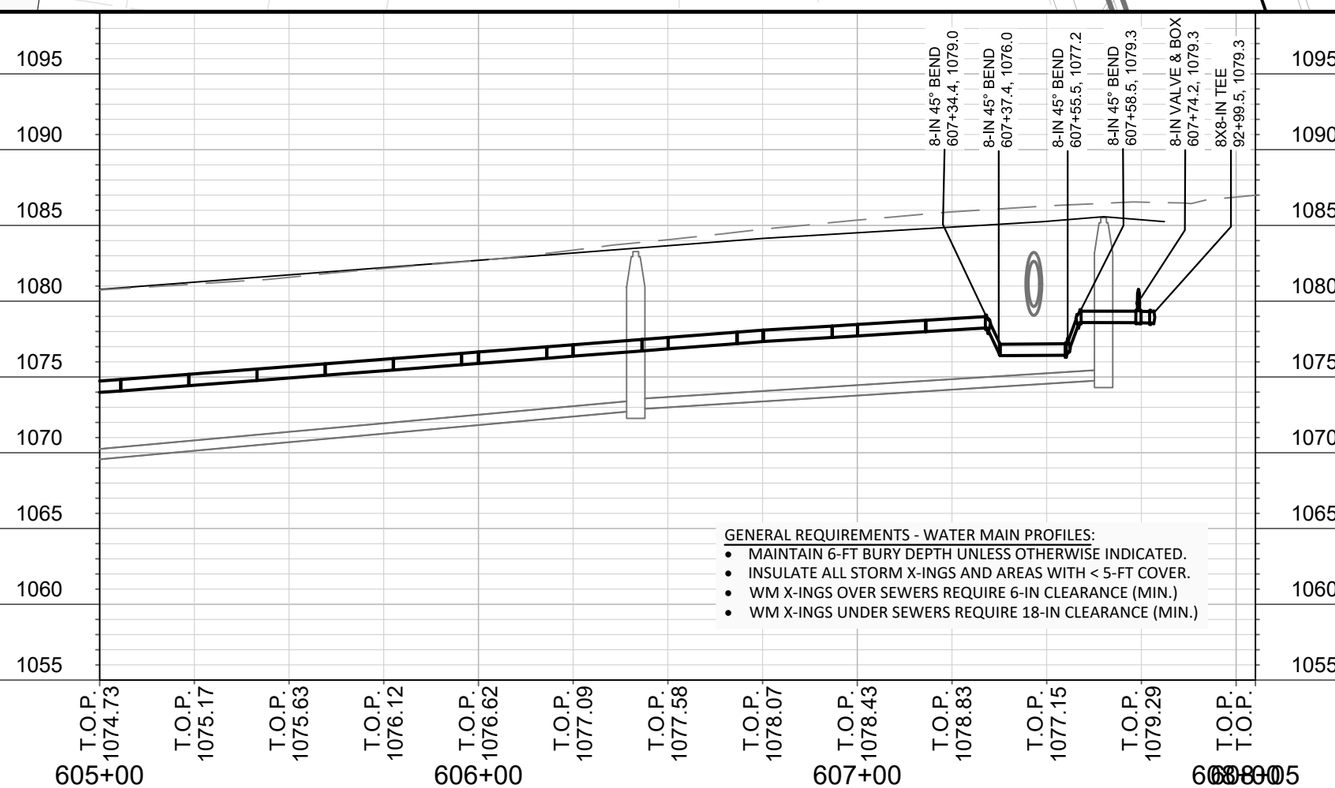

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- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

SCALE: 1" = 40'
DESIGNED BY: KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
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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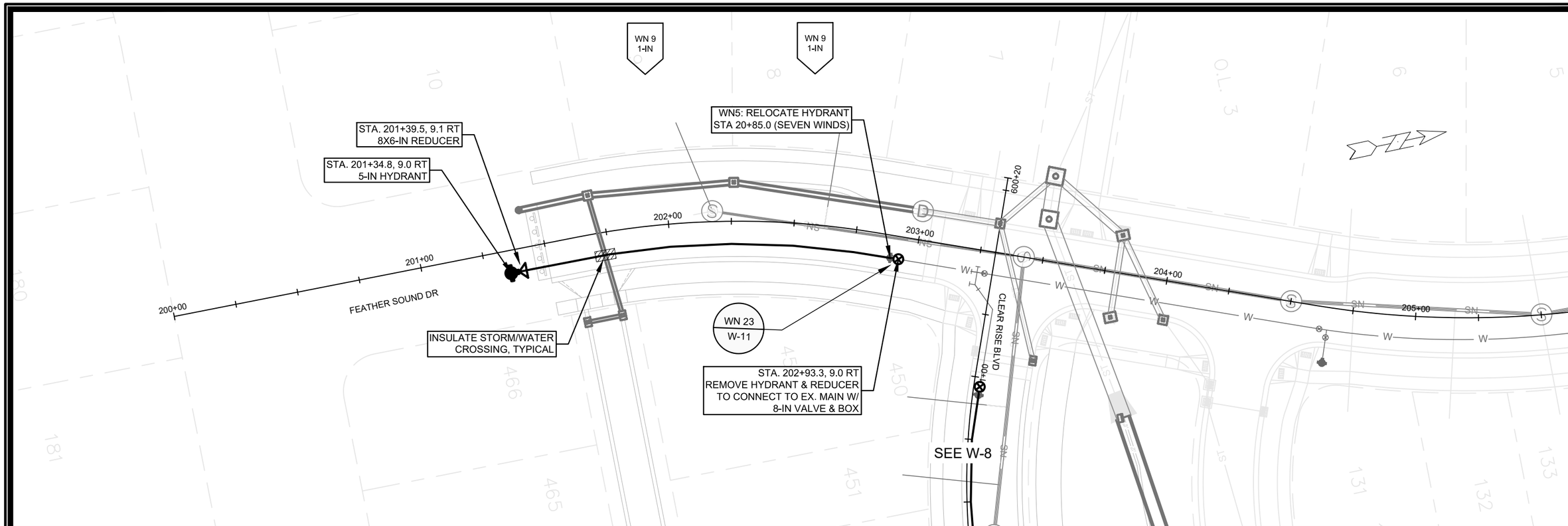

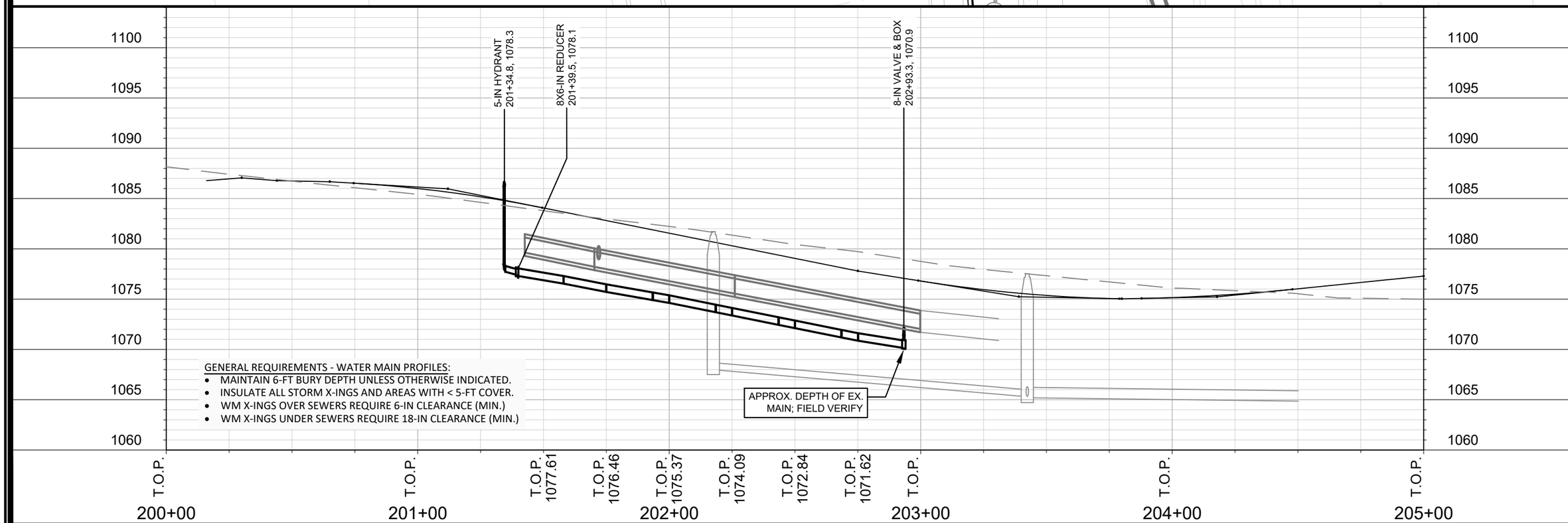

GENERAL REQUIREMENTS - WATER MAIN PROFILES:

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- 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: KBM
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

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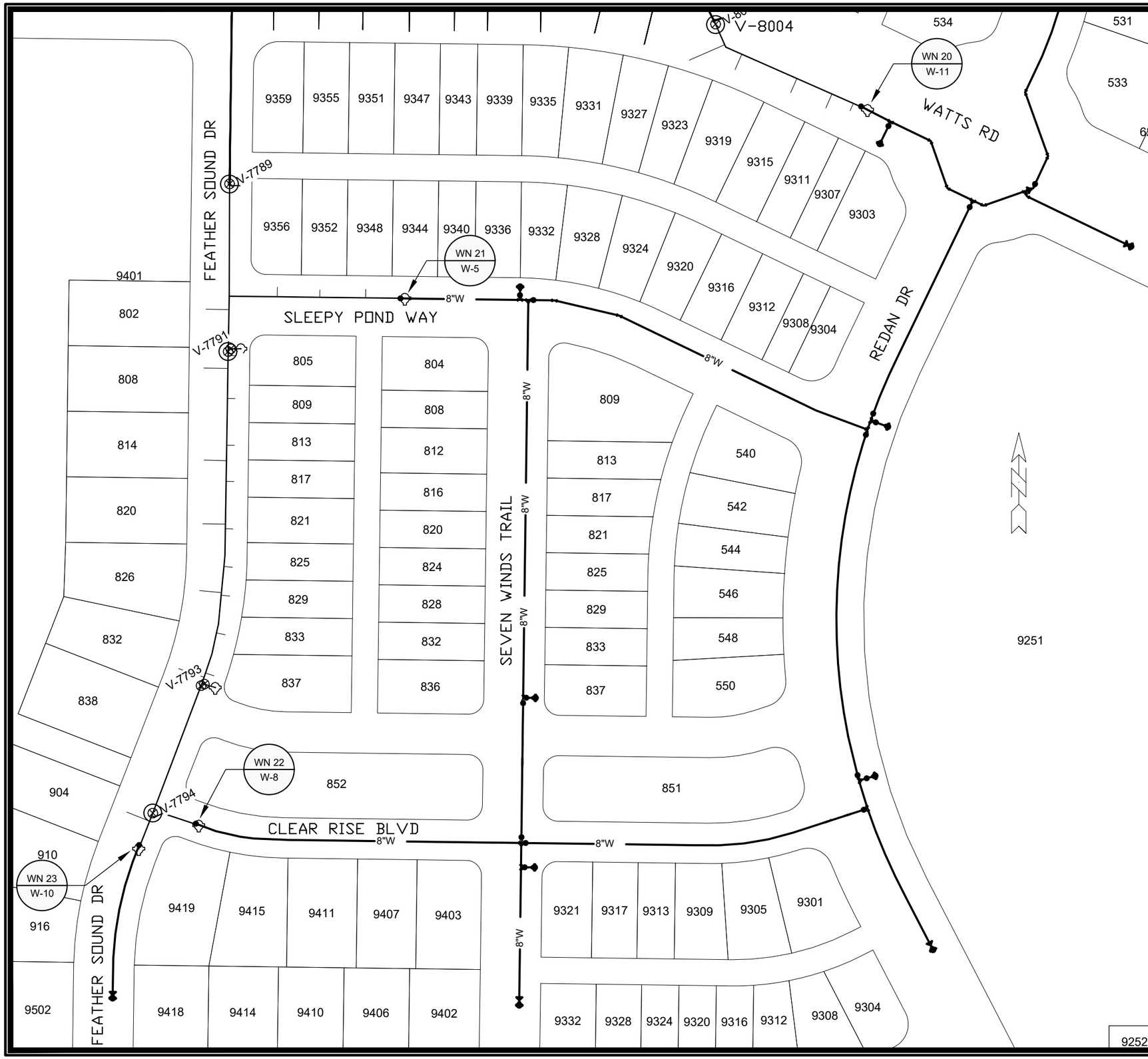

WN20 W-11 CONNECT TO EX. 12IN @ WATTS RD.
ISOLATION VALVES: V-8004
NOTIFY: 9307-9323 WATTS RD

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.

Madison Water Utility

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

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Madison Water Utility

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.

WATER UTILITY ULO SCHEDULE

ULO	UTILITY	STATION	OFFSET	SHEET

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.

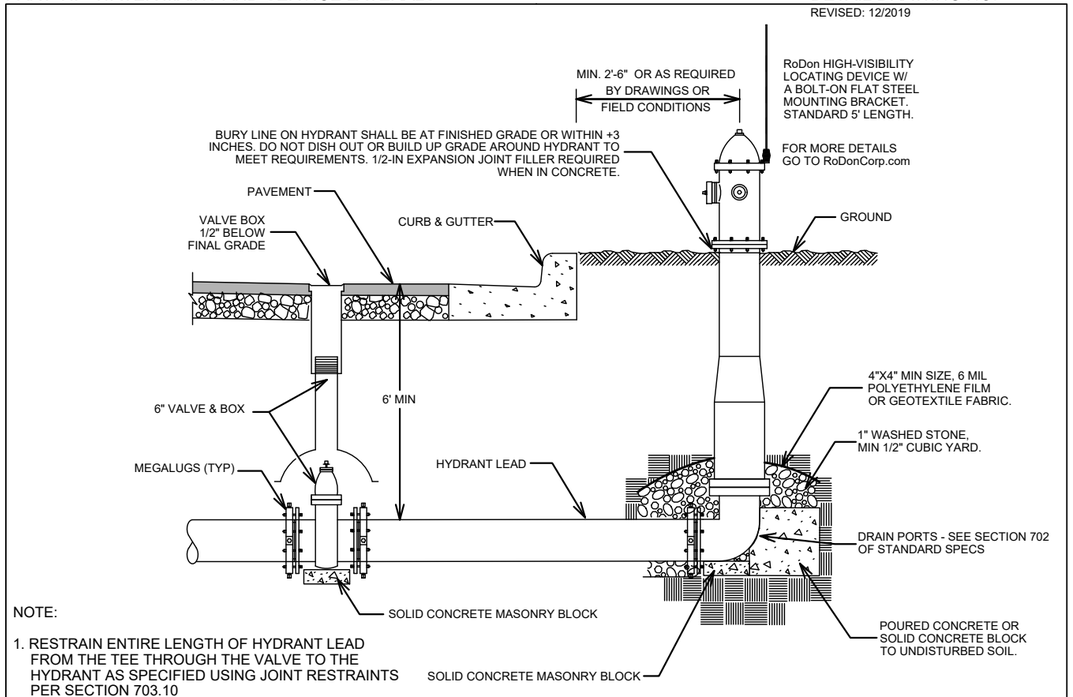
MEMBER ONE CALL SYSTEMS INTERNATIONAL

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
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

CITY OF MADISON WISCONSIN

13293
W-12

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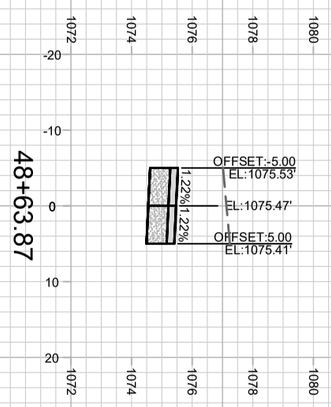

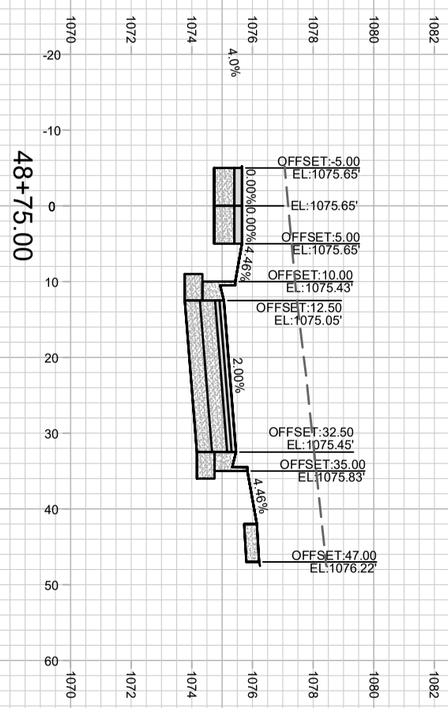

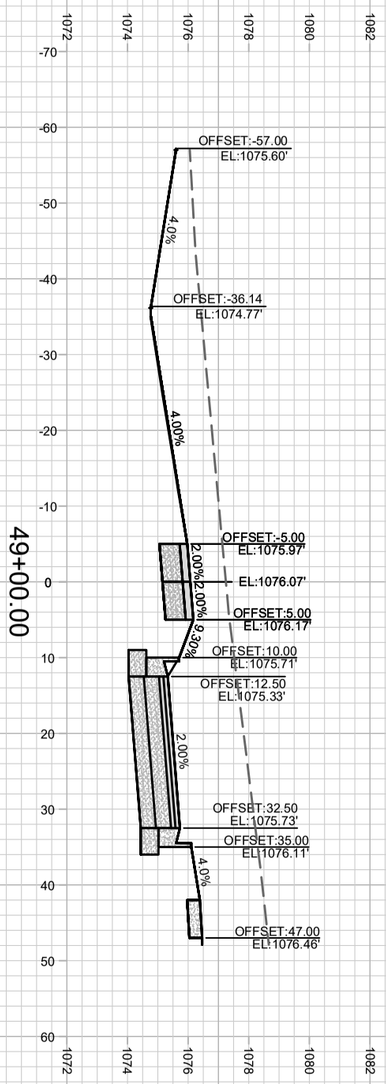

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		ACACIA RIDGE: PHASE 5	MADISON, WI
		M:\DESIGN\Projects\13293\CAD\Streets\13293EN-Corridor.dwg	CONTRACT NO: 8966

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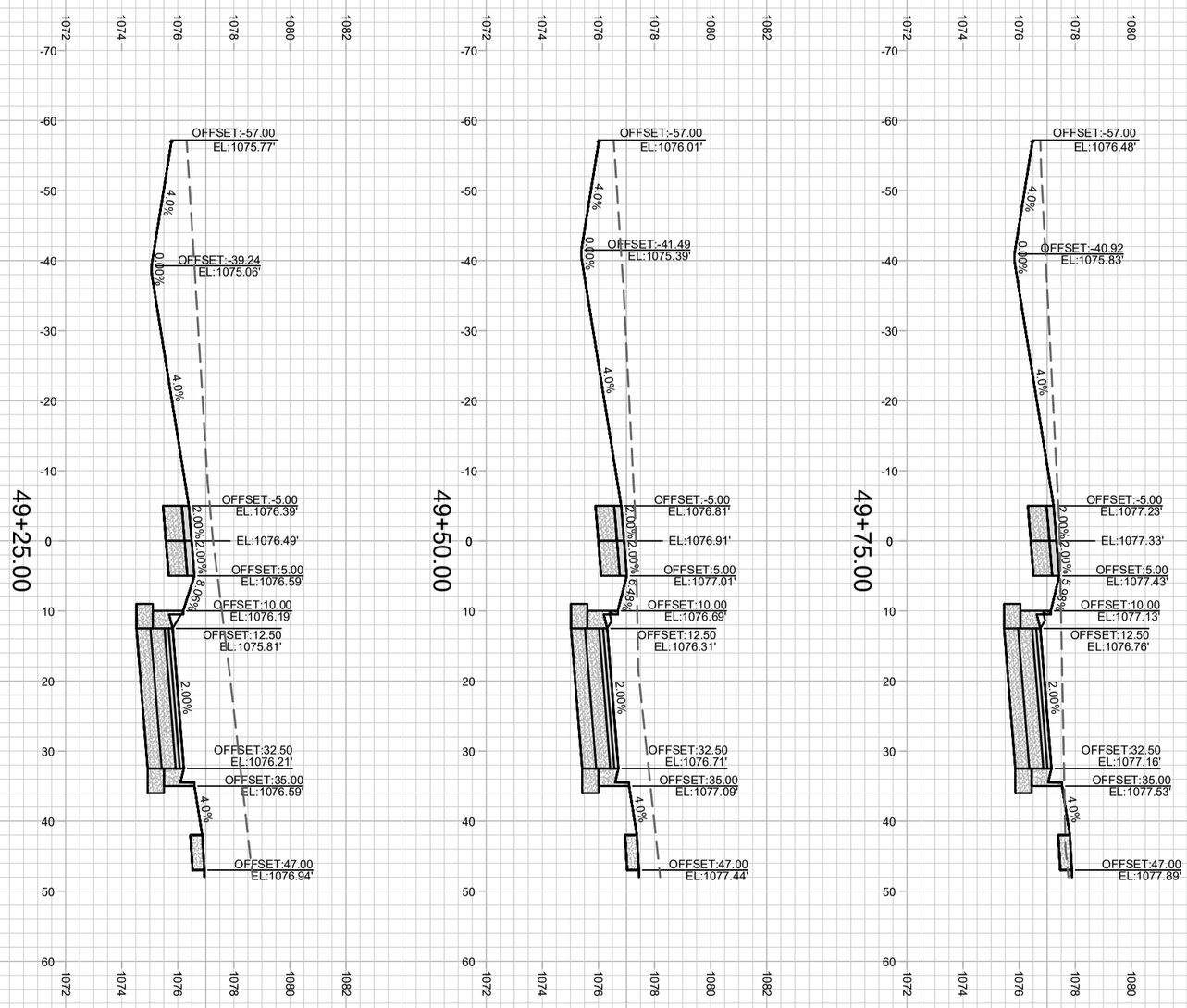
Designed By: AJC | Date: 3/31/2021 11:34 AM | Scale: ########

13293 | X-1



X-2

13293

ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS 13293

ACACIA RIDGE: PHASE 5 MADISON, WI

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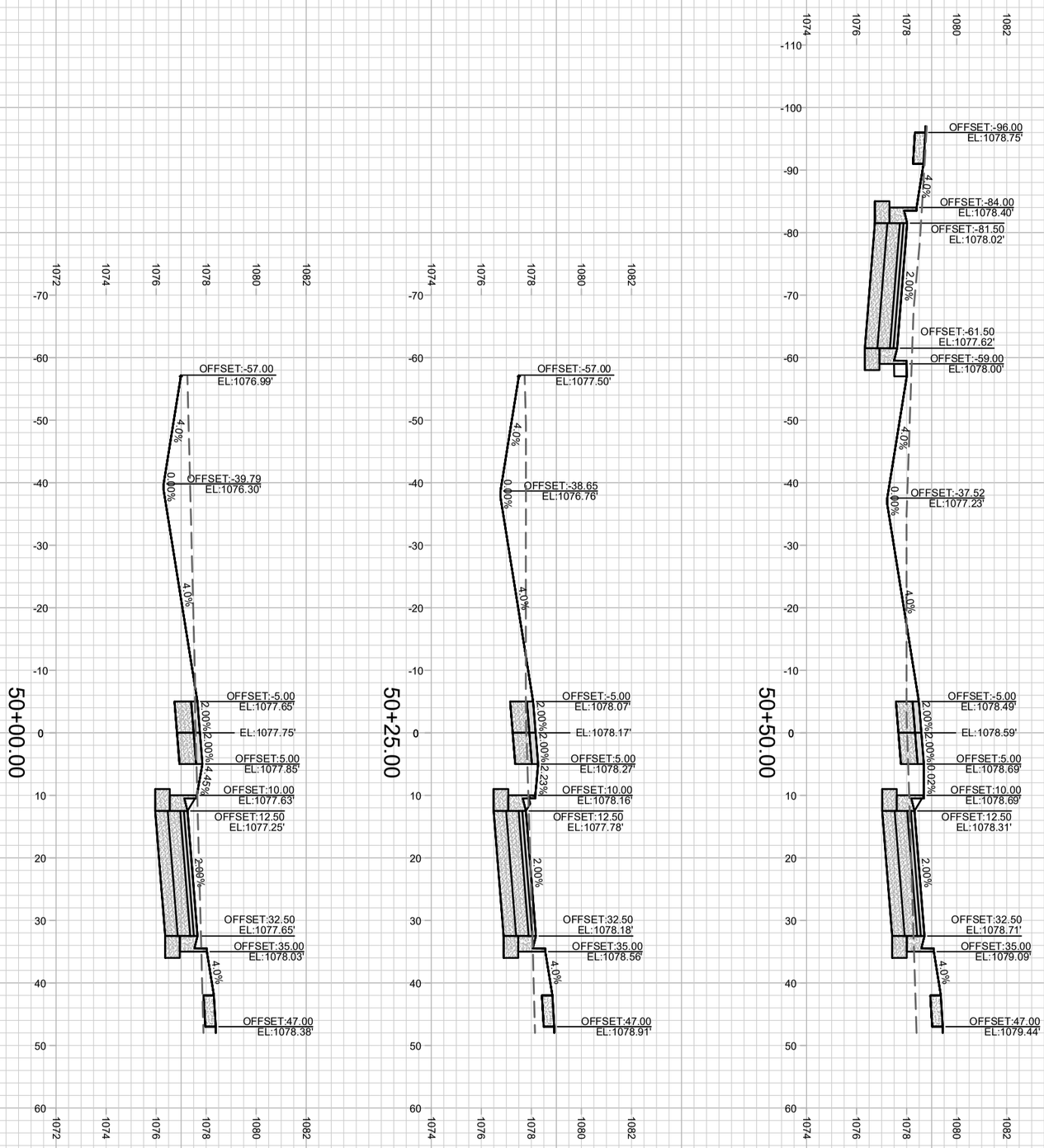
Designed By: AJC | Date: 3/29/2021 5:30 PM | Scale: ########

13293 X-2



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MARK	REVISION	DATE	BY
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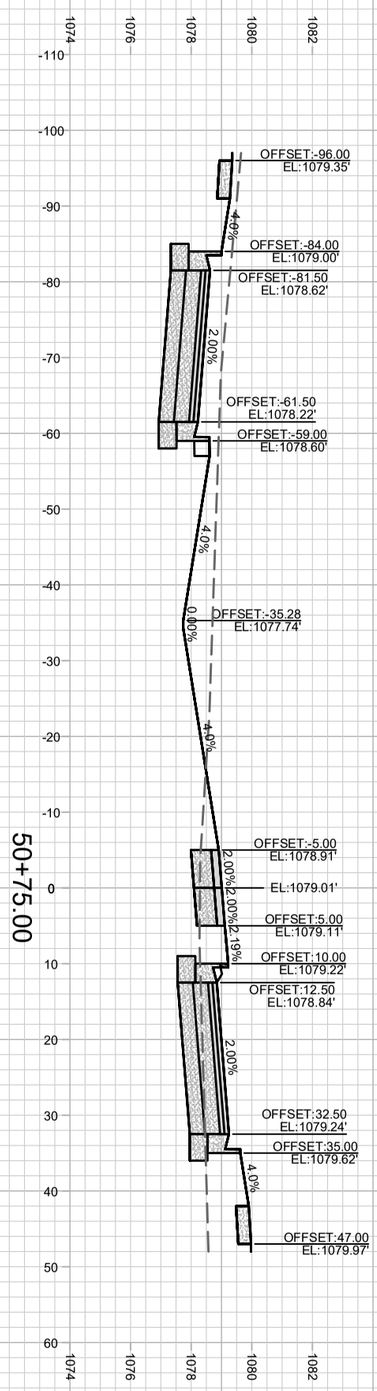
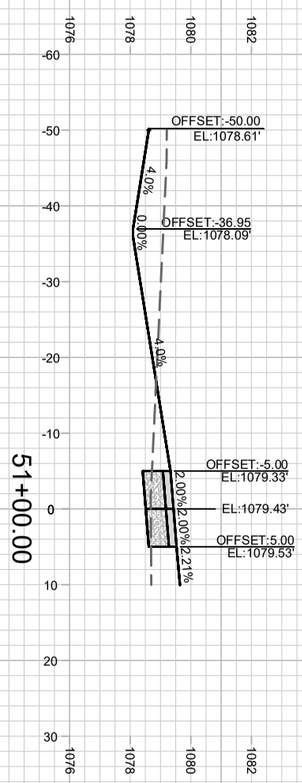
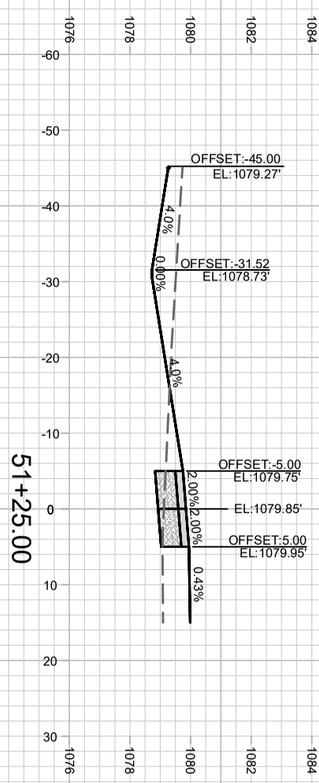
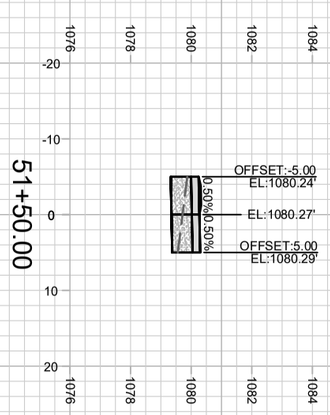
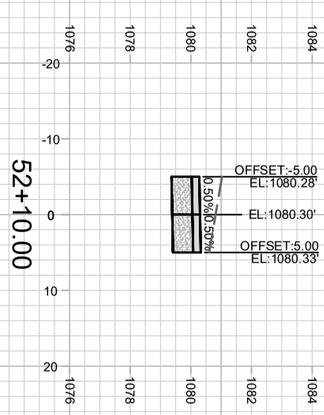
13293		X-3











X-4

13293

ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS 13293

ACACIA RIDGE: PHASE 5 MADISON, WI

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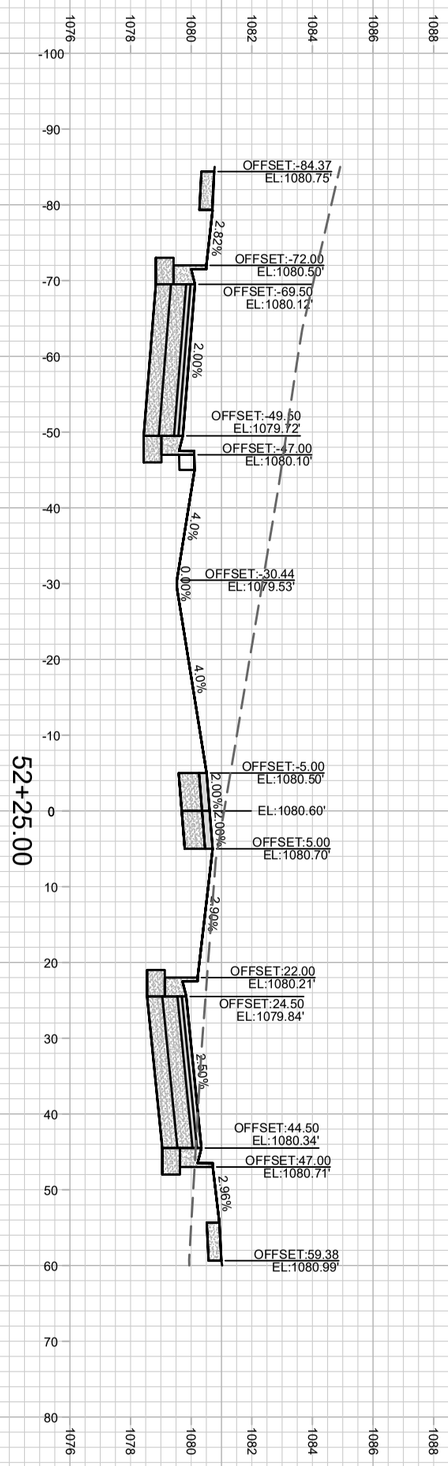
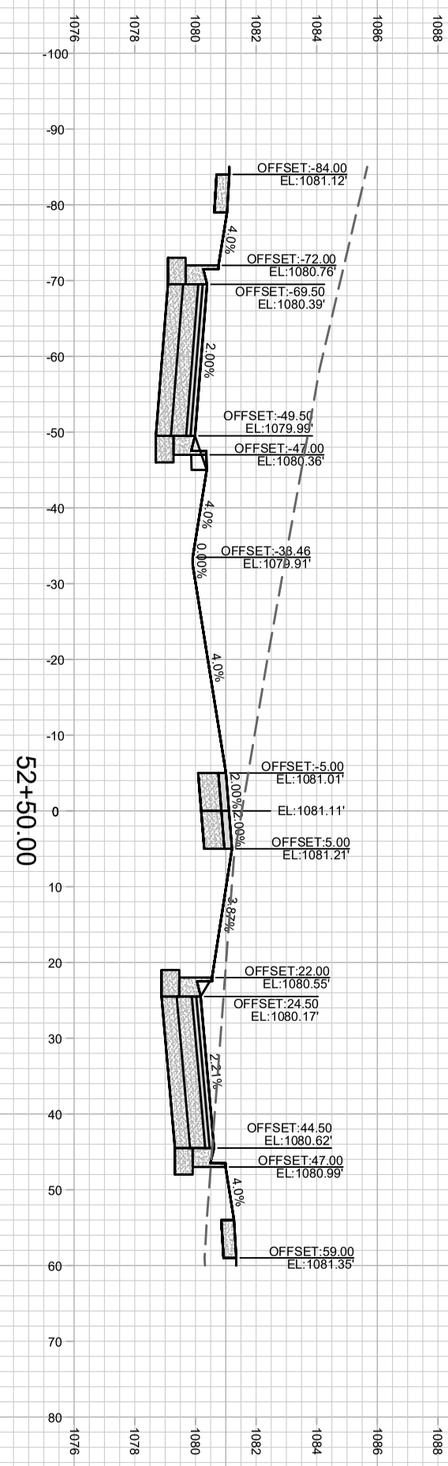
13293 X-4





X-5

13293

ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS 13293

ACACIA RIDGE: PHASE 5 MADISON, WI

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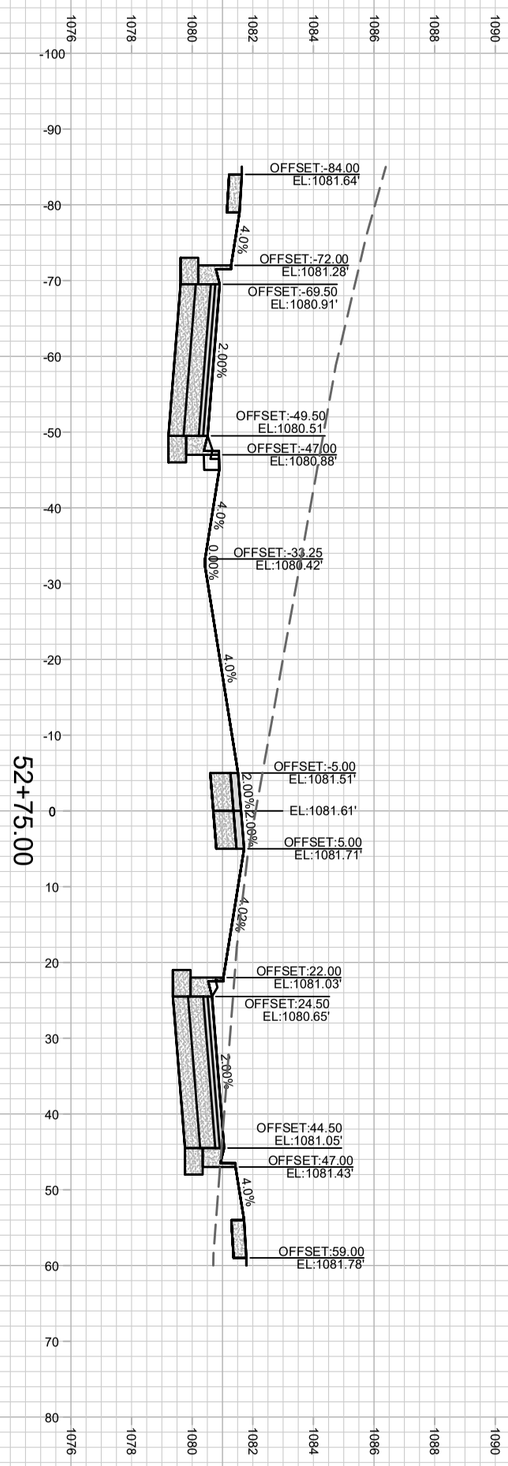
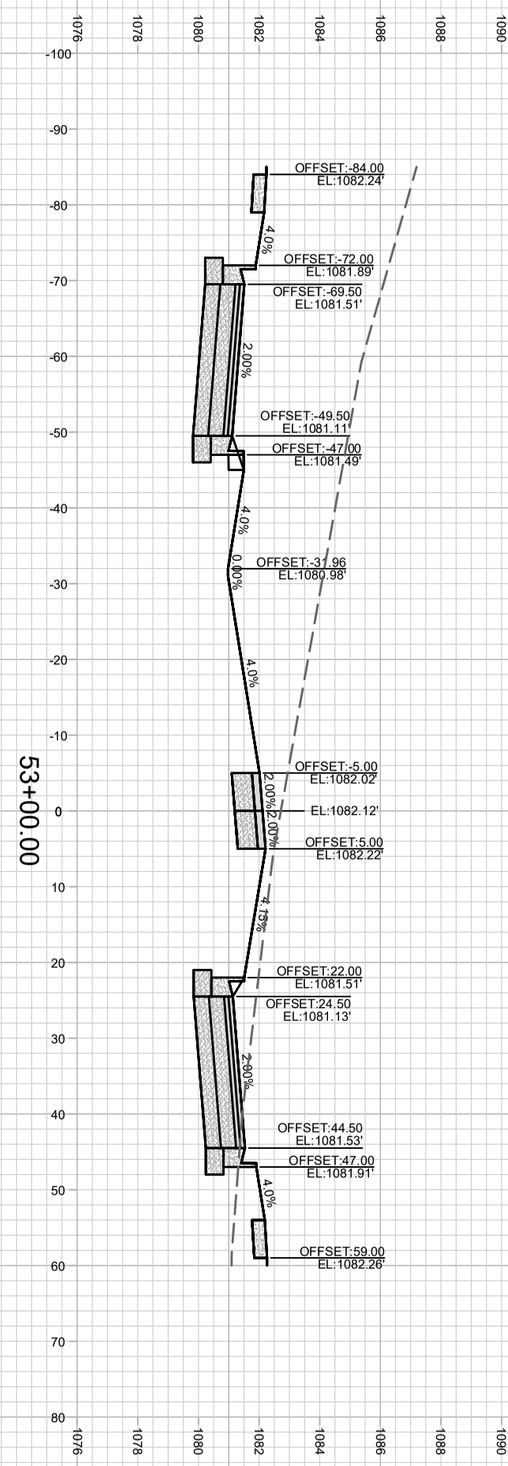
Designed By: AJC | Date: 3/29/2021 5:31 PM | Scale: ########

13293 X-5





X-6

13293

ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS 13293

ACACIA RIDGE: PHASE 5 MADISON, WI

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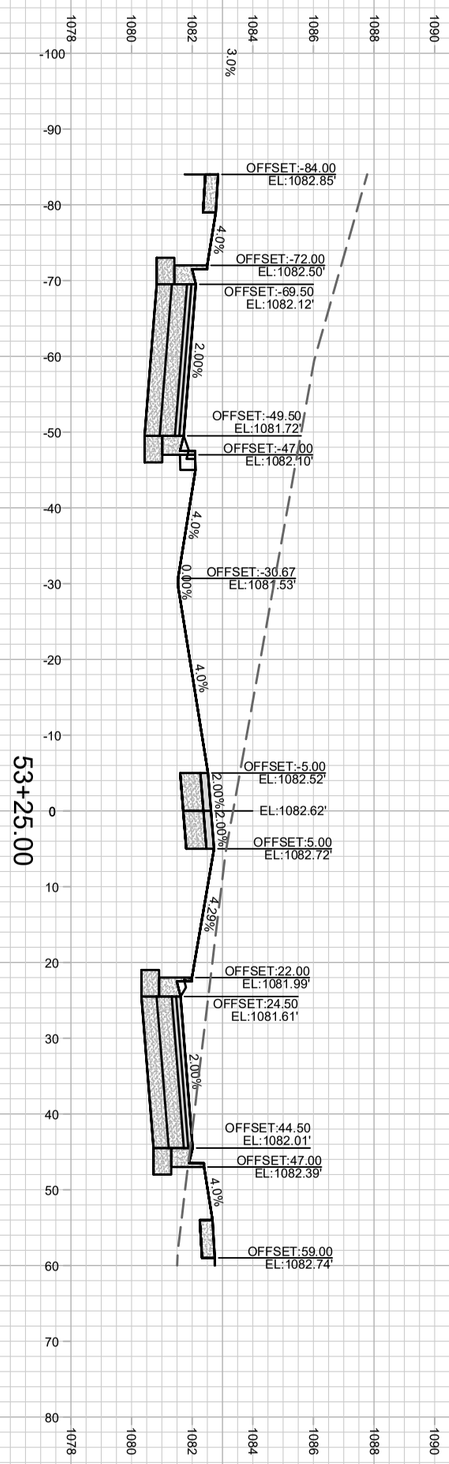
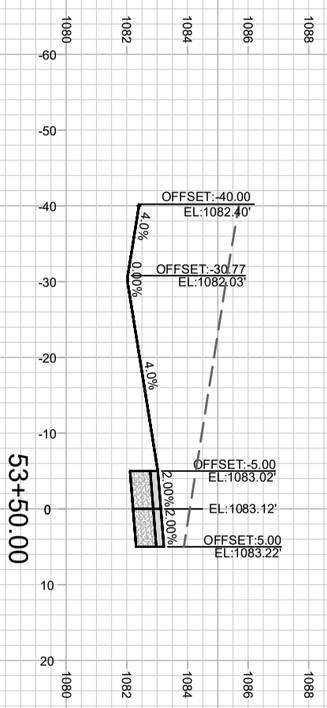
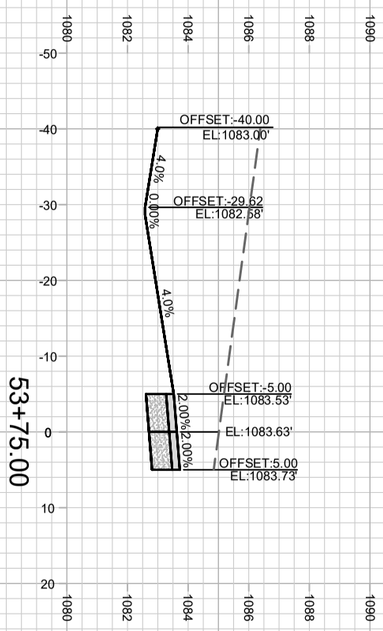
13293 X-6







X-7	13293	ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS	13293
		ACACIA RIDGE: PHASE 5	MADISON, WI
		M:\DESIGN\Projects\13293\CAD\Streets\13293EN-Corridor.dwg	CONTRACT NO: 8966

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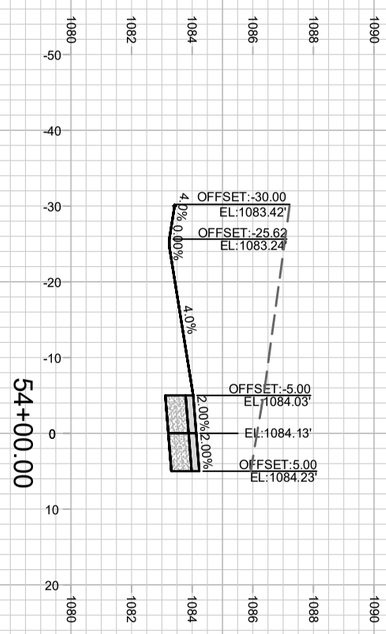
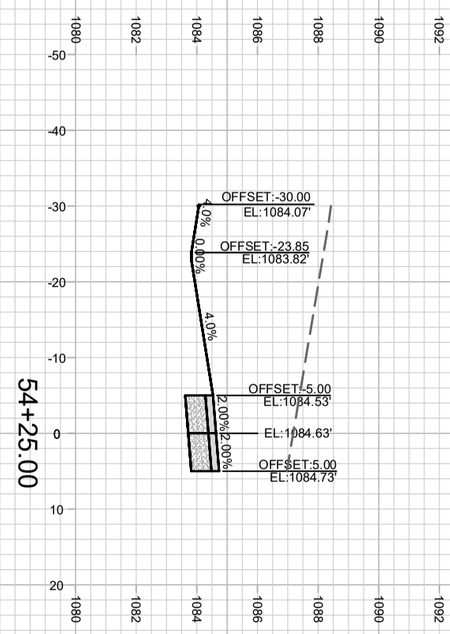
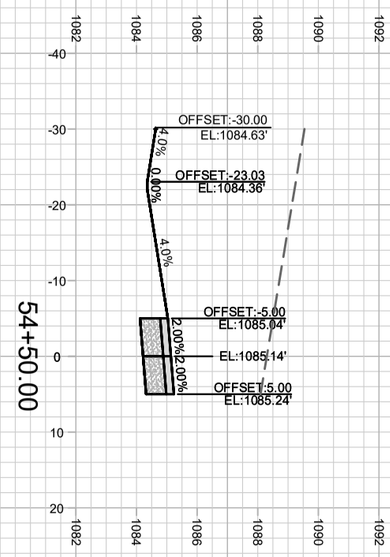
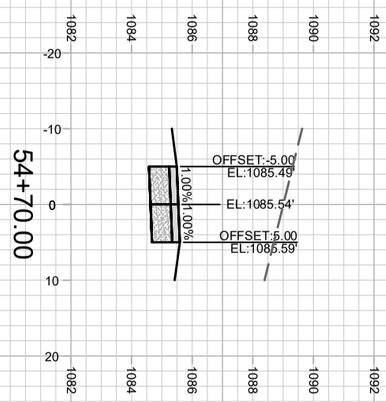
13293		X-7









ACACIA BIKE PATH (OL 12-13) - CROSS SECTIONS		13293	
ACACIA RIDGE: PHASE 5		MADISON, WI	
M:\DESIGN\Projects\13293\CAD\Streets\13293EN-Corridor.dwg	CONTRACT NO:	8966	

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13293 | X-8

13293

X-8

NOT FOR CONSTRUCTION - CITY RECORDS ONLY

REQUIRED SNOW REMOVAL BY CITY (TYP.)

WATTS RD (WB)

WATTS RD (EB)

REQUIRED SNOW REMOVAL BY CITY (TYP.)

REQUIRED SNOW REMOVAL BY CITY (TYP.)

SLEEPY POND WAY

REDAN DR.

SEVEN WINDS TRAIL

CLEAR RISE BLVD NORTH

CLEAR RISE BLVD SOUTH

FEATHER SOUND DRIVE

O.L. 9

O.L. 10

O.L. 11

O.L. 12

O.L. 13

O.L. 14

O.L. 20

O.L. 23

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

MARK	REVISION	DATE	BY

Designed By: A.JC Date: 4/8/2021 10:51 AM Scale: ######## MN-1

13293

13293

MADISON, WI

CONTRACT NO: 8966

13293EN-MAINTENANCE

ACACIA RIDGE: PHASE 5

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13293

MN-1