

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED
JUNE 18, 2019
BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

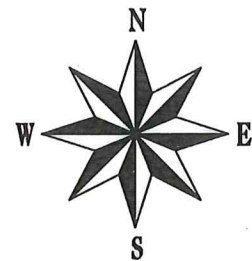
Chris Phillips 10/11/19
City Engineer Date

STREET GRADES DESIGNED BY:

James M. Wolfe
WISCONSIN PROFESSIONAL ENGINEER
JAMES M. WOLFE
E-42725
MADISON, WI
10-31-19

INDEX OF SHEETS

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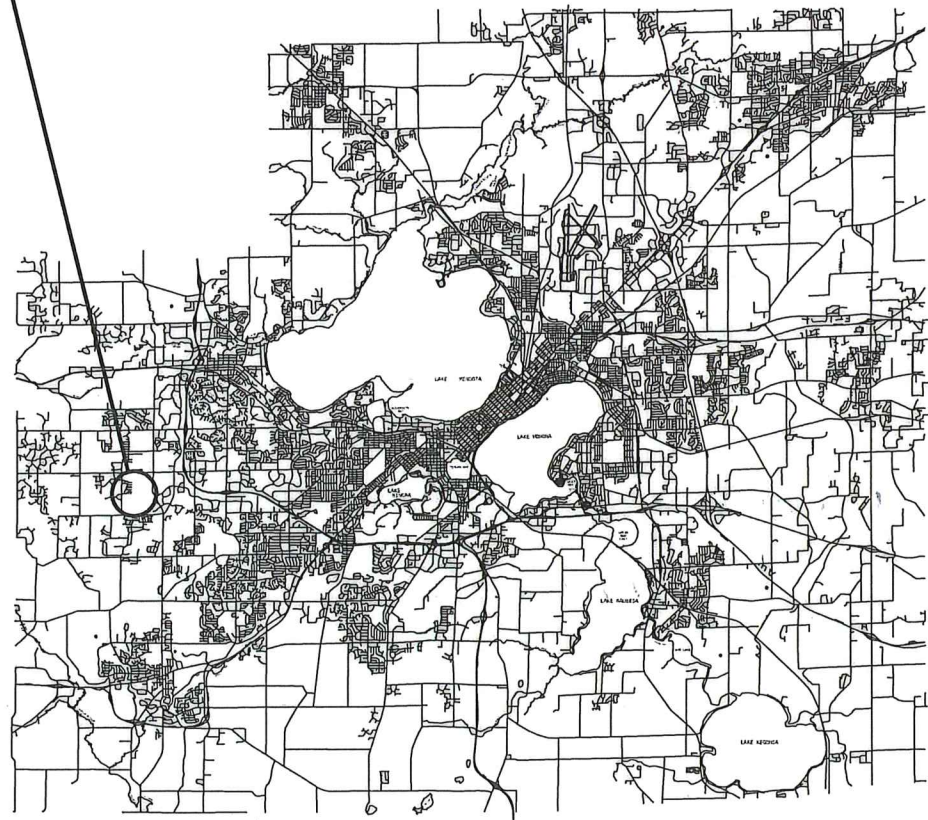
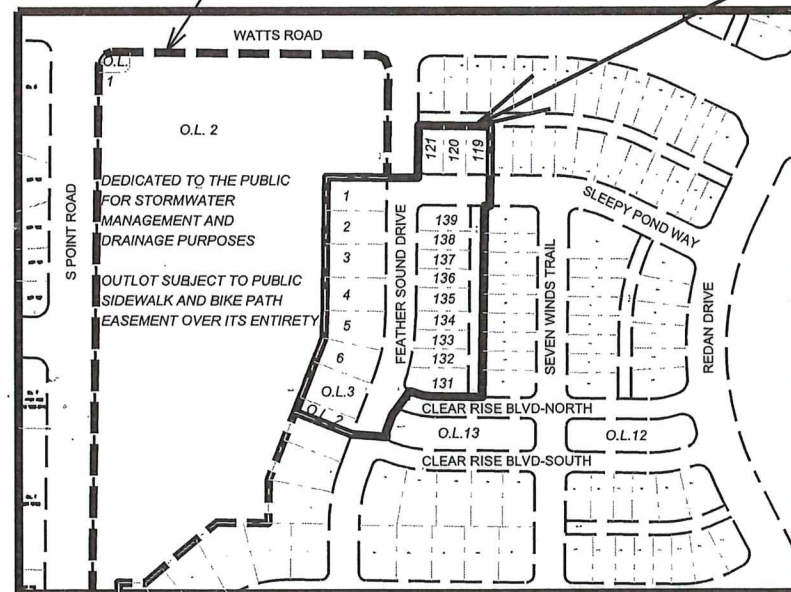


ACACIA RIDGE: PHASE 3

CITY PROJECT NO. 12166
CITY CONTRACT NO. 8393

SOUTHEAST INFILTRATION/ WET DETENTION BASIN LOCATION.
(SEE PROJECT NO. 11936)

PROJECT LOCATION



STREET GEOMETRICS DESIGNED BY:

Mark S. Winter
WISCONSIN PROFESSIONAL ENGINEER
MARK S. WINTER
E-39453
MADISON, WI
10/16/19

SANITARY SEWER DESIGNED BY:

Mark D. Moder
WISCONSIN PROFESSIONAL ENGINEER
MARK D. MODER
E-33979
MADISON, WI
10/16/19

WATER DESIGNED BY:

Kelly B. Miess
WISCONSIN PROFESSIONAL ENGINEER
KELLY B. MIESS
E-41821
MADISON, WI
10/15/19

STORM SEWER DESIGNED BY:

Gregory T. Fries
WISCONSIN PROFESSIONAL ENGINEER
GREGORY T. FRIES
E-20651
MADISON, WI
10/15/19

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

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

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

ALL PAVEMENT IN THE FEATHER SOUND DRIVE, SLEEPY POND WAY, CLEAR RISE BOULEVARD NORTH AND CLEAR RISE BOULEVARD SOUTH RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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

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

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

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

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) 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 PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

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

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

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

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

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

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS ——— G ———

STORM SEWER ——— ST ———

SANITARY SEWER ——— SAN ———

WATER ——— W ———

OVERHEAD ELECTRIC ——— OH ———

POWER POLE 

**ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD** 

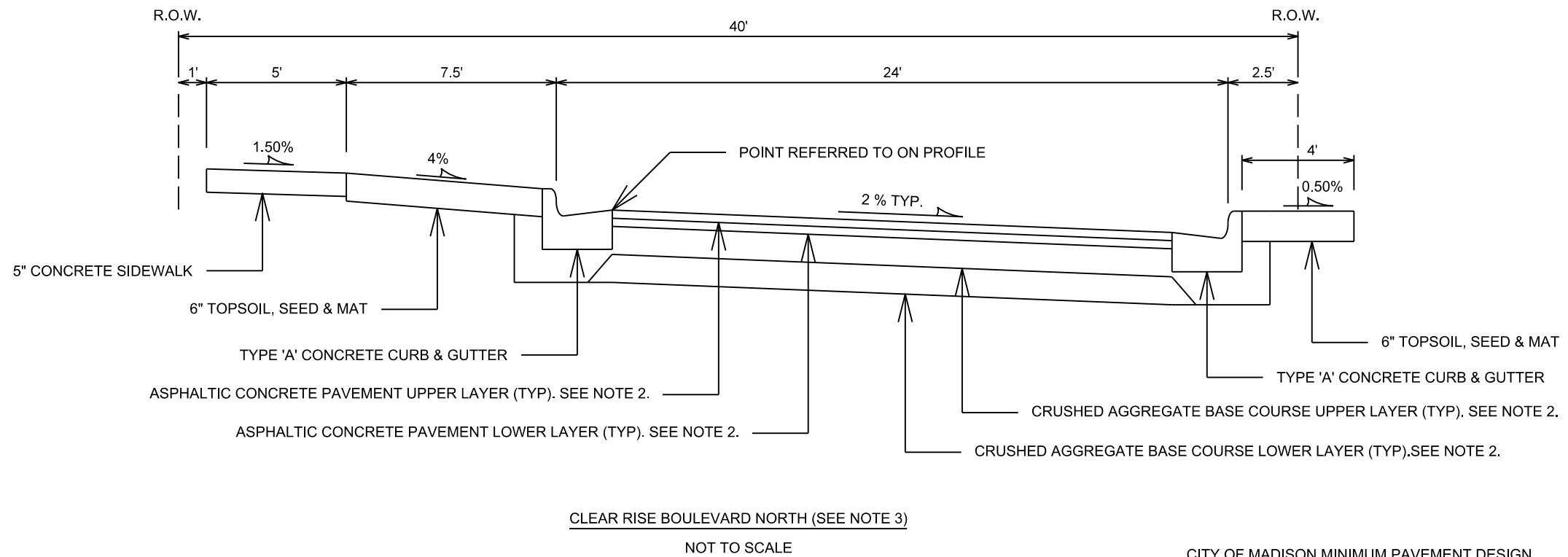
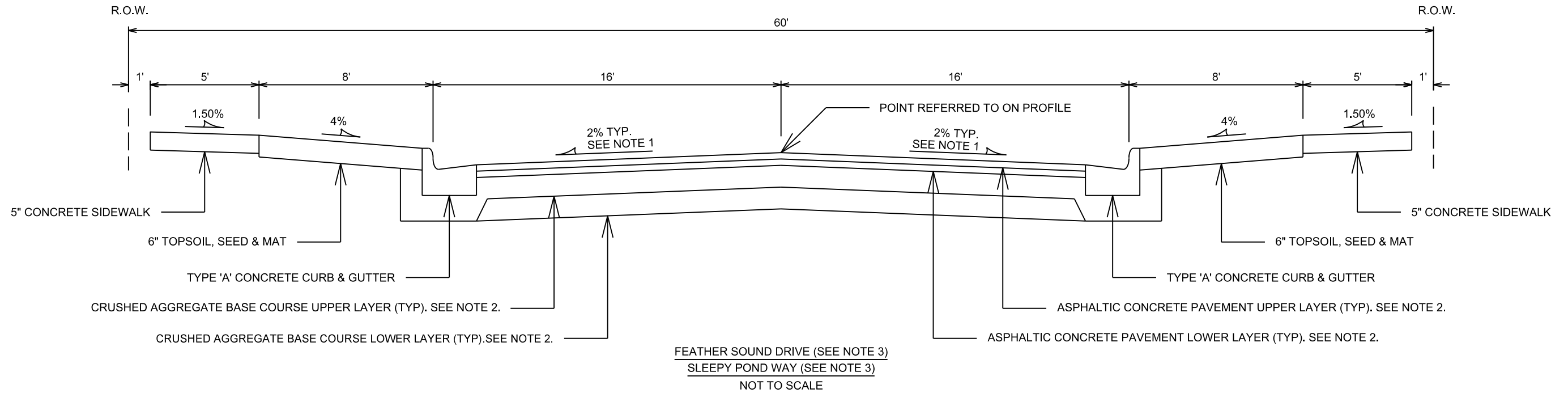
COMBUSTIBLE FLUIDS 

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

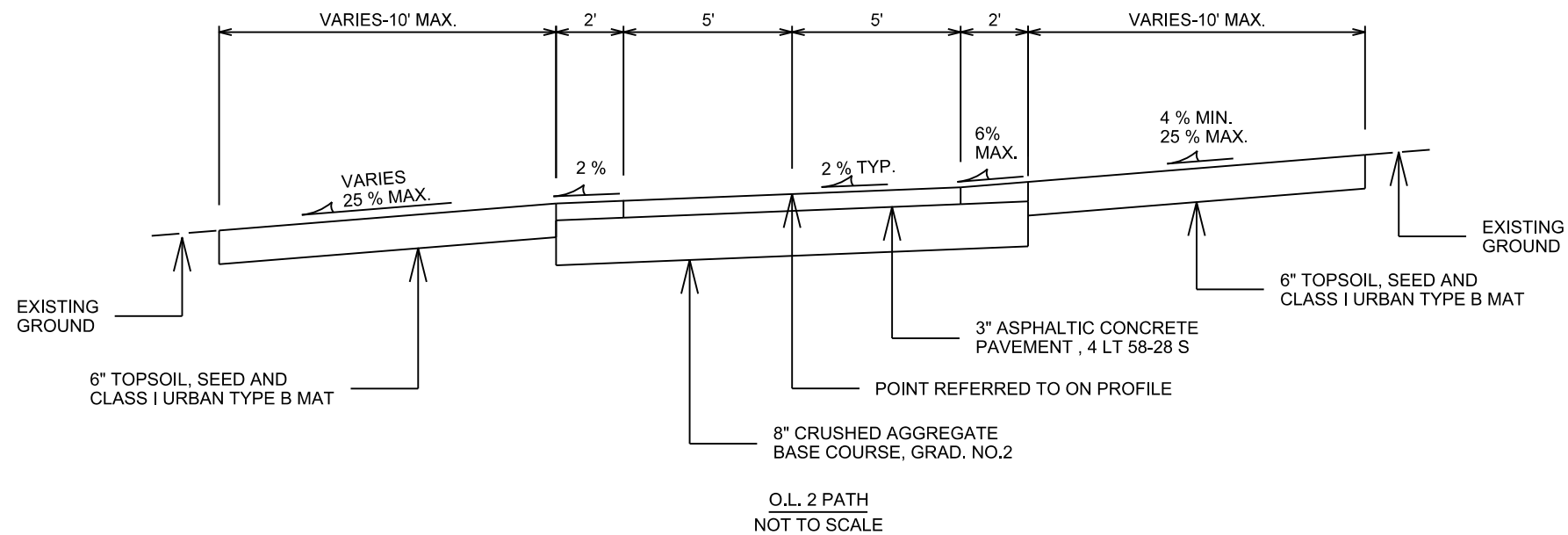
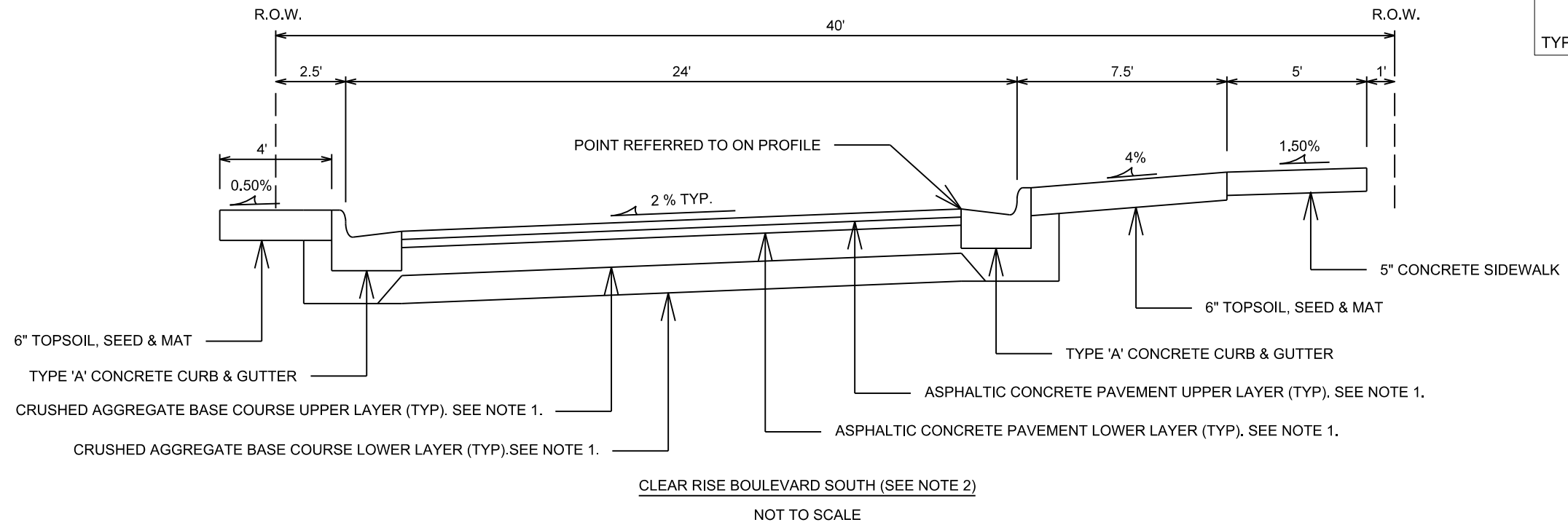


SPECIAL NOTES:

1. SEE PLAN AND PROFILE "P" SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.
2. FEATHER SOUND DRIVE, SLEEPY POND WAY, AND CLEAR RISE BOULEVARD NORTH SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN.
3. SURFACE PAVING SHALL BE COMPLETED UNDER CONTRACT NUMBER 8200.

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"



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"

SPECIAL NOTES:

- CLEAR RISE BOULEVARD SOUTH SHALL BE CONSTRUCTUED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN.
- SURFACE PAVING SHALL BE COMPLETED UNDER CONTRACT NUMBER 8200.

PLOT SCALE:

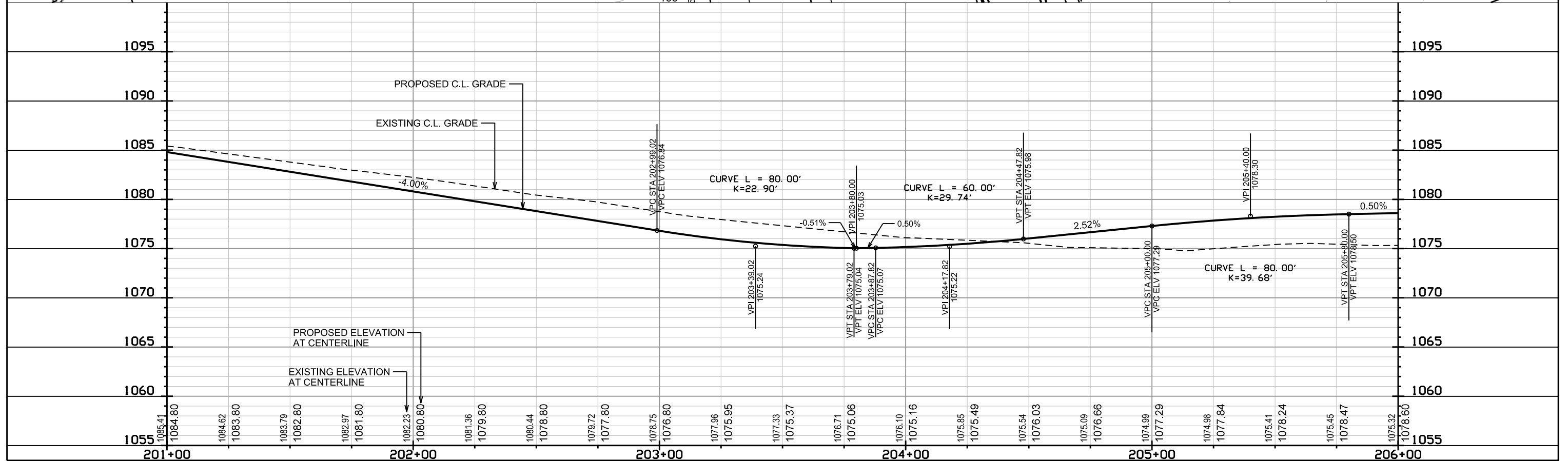
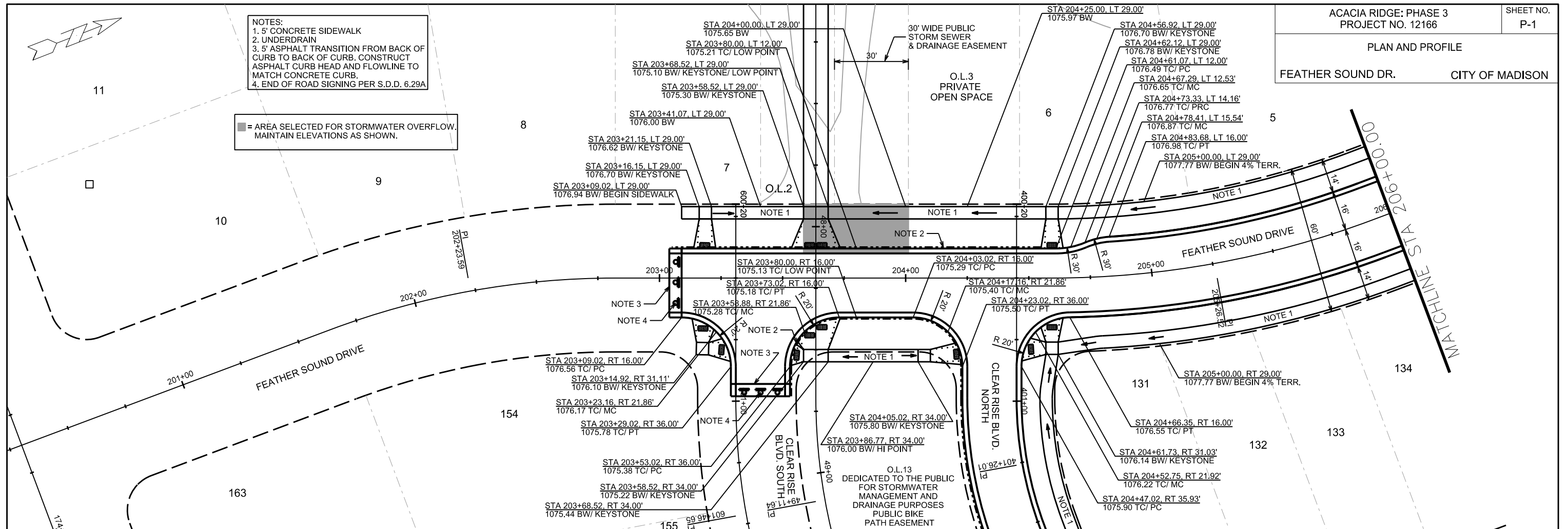
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

- NOTES:
1. 5' CONCRETE SIDEWALK
2. UNDERDRAIN
3. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
4. END OF ROAD SIGNING PER S.D.D. 6.29A

■ = AREA SELECTED FOR STORMWATER OVERFLOW. MAINTAIN ELEVATIONS AS SHOWN.

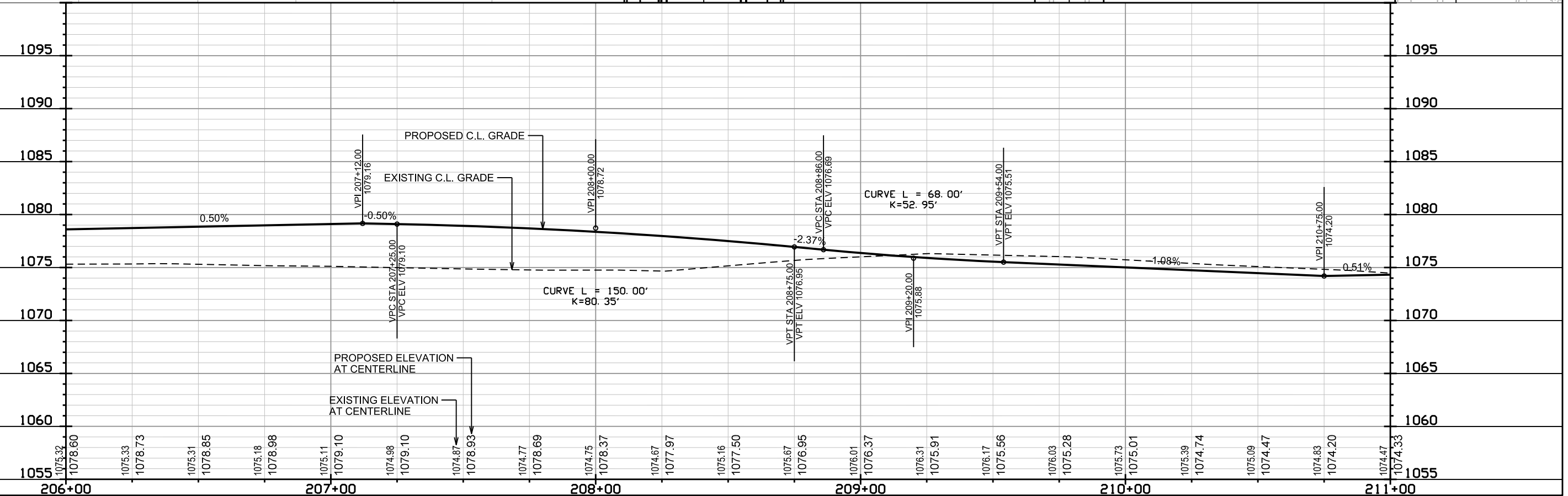
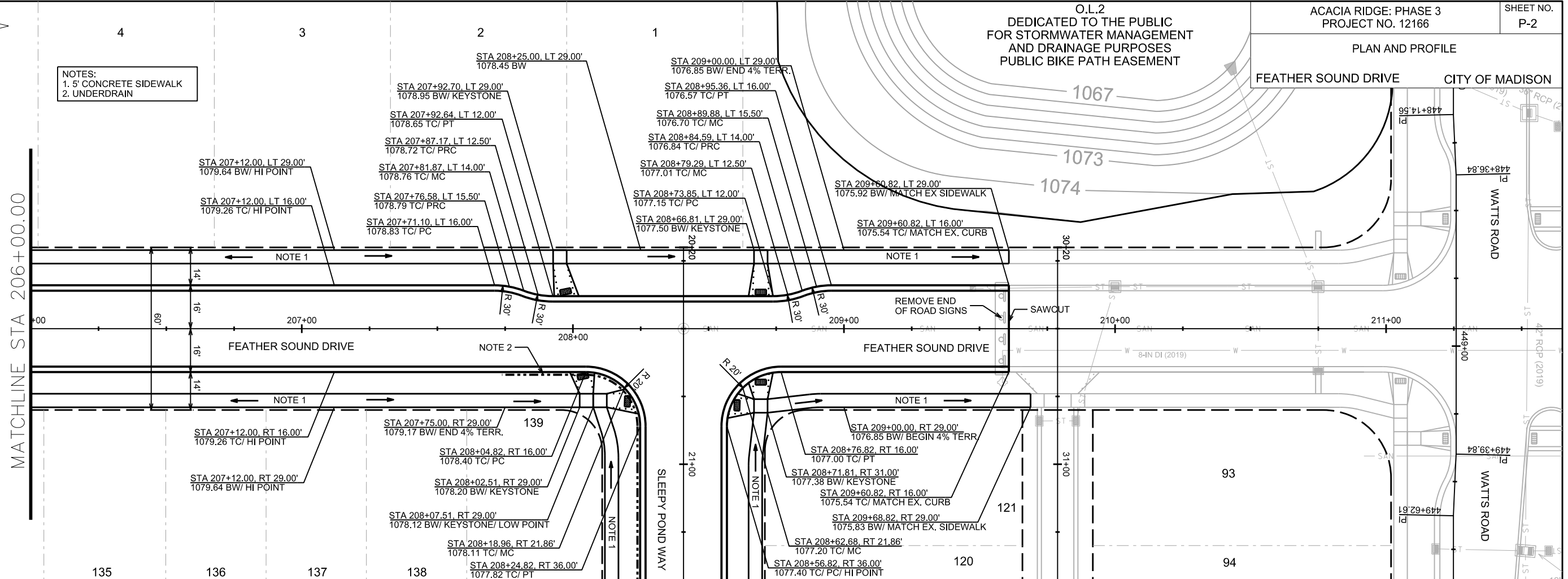


O.L.2
DEDICATED TO THE PUBLIC
FOR STORMWATER MANAGEMENT
AND DRAINAGE PURPOSES
PUBLIC BIKE PATH EASEMENT

PLAN AND PROFILE
FEATHER SOUND DRIVE CITY OF MADISON

NOTES:
1. 5' CONCRETE SIDEWALK
2. UNDERDRAIN

MATCHLINE STA 206+00.00



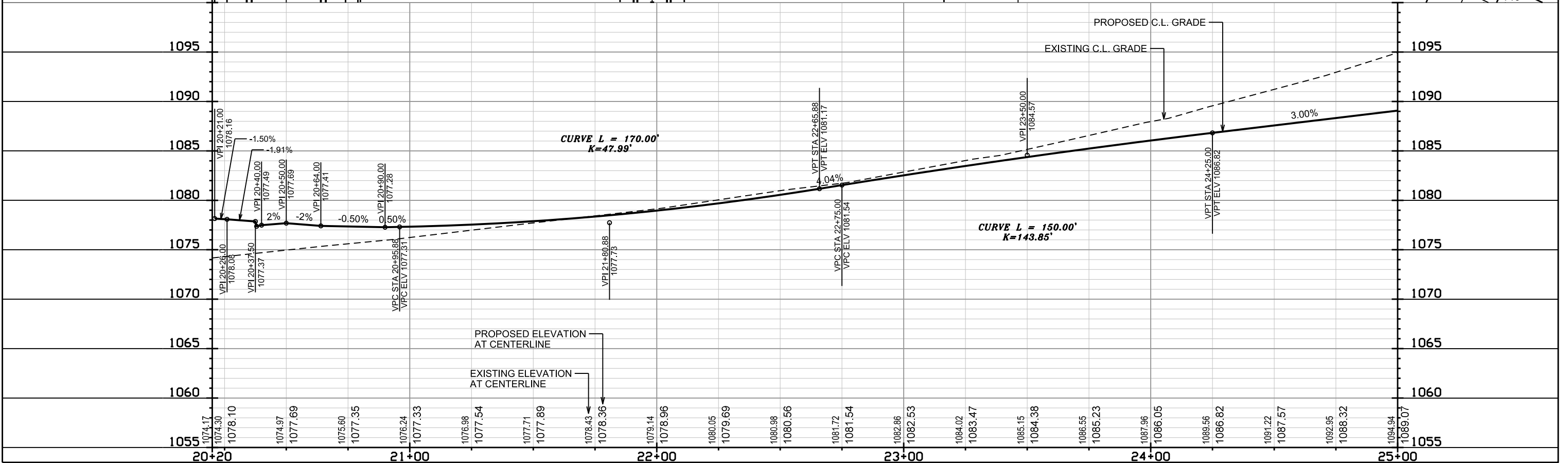
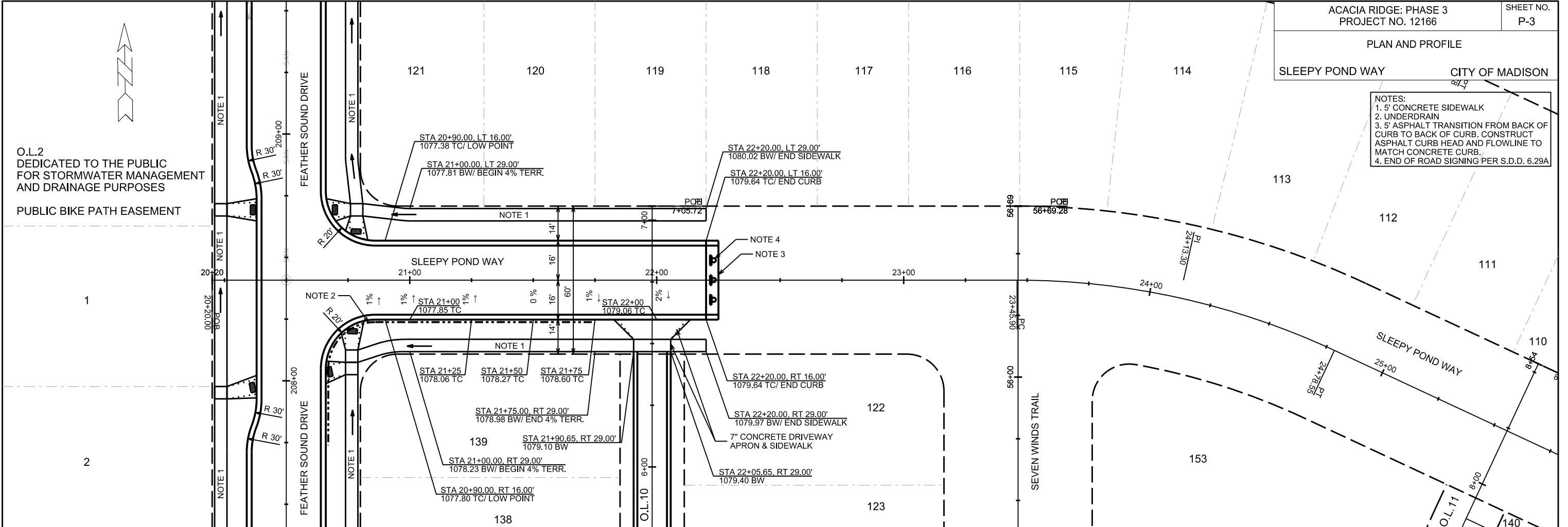
206+00 207+00 208+00 209+00 210+00 211+00

PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

SLEEPY POND WAY CITY OF MADISON

- NOTES:
1. 5' CONCRETE SIDEWALK
2. UNDERDRAIN
3. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
4. END OF ROAD SIGNING PER S.D.D. 6.29A



PLOT SCALE:

PLOT NAME:

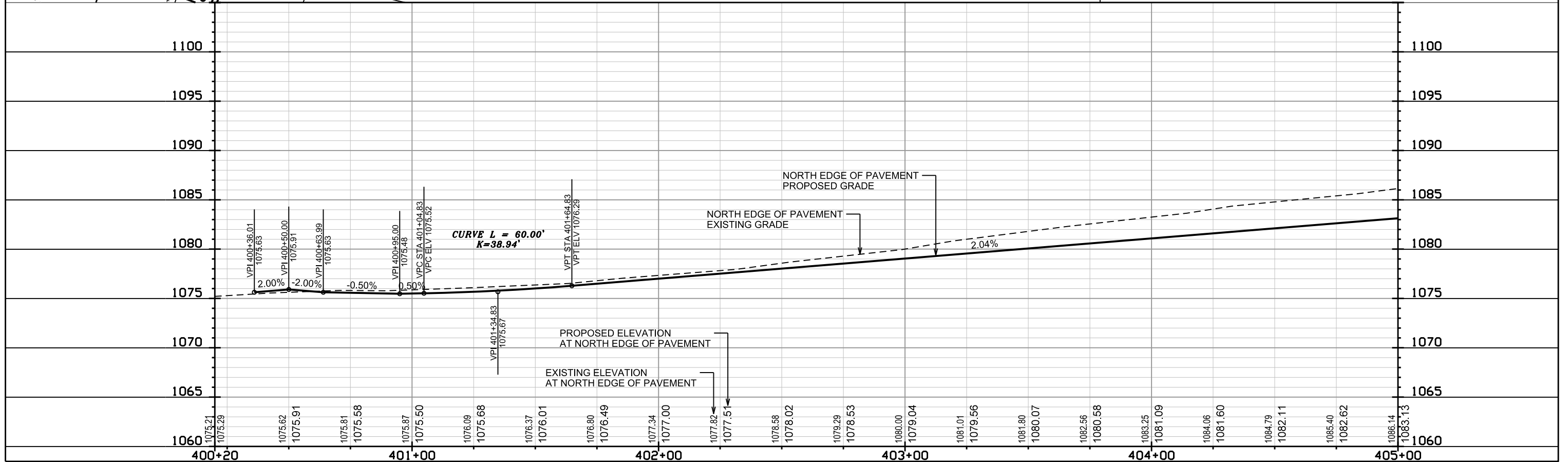
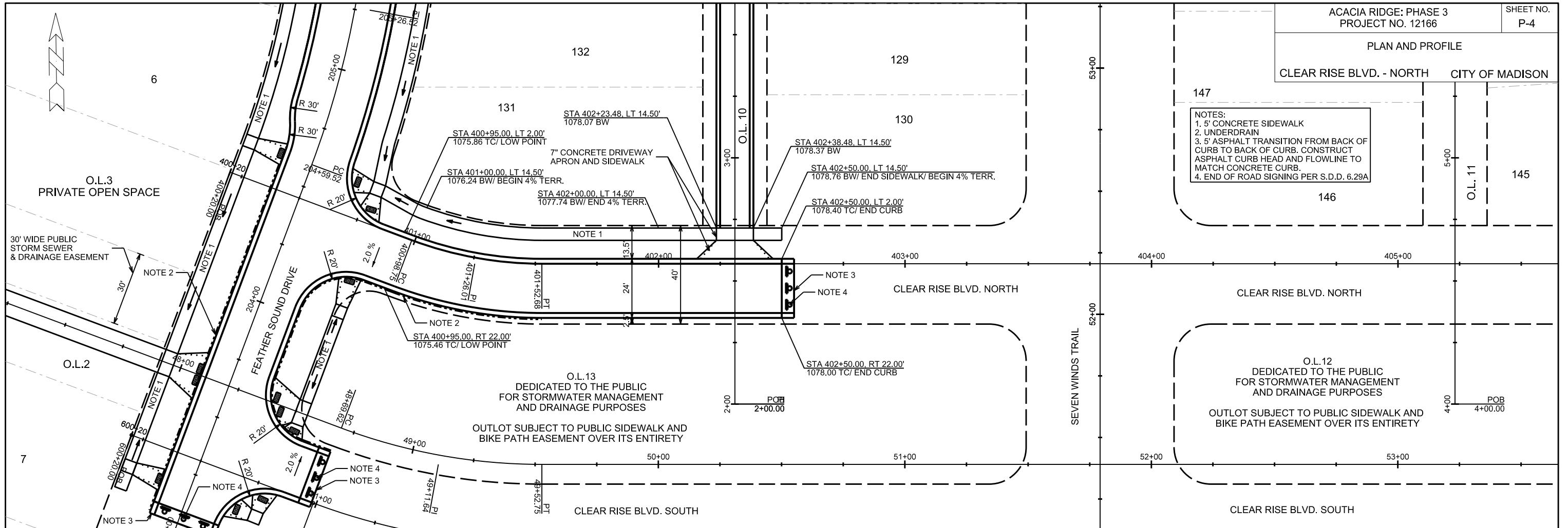
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

CLEAR RISE BLVD. - NORTH CITY OF MADISON

- NOTES:
1. 5' CONCRETE SIDEWALK
2. UNDERDRAIN
3. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
4. END OF ROAD SIGNING PER S.D.D. 6.29A



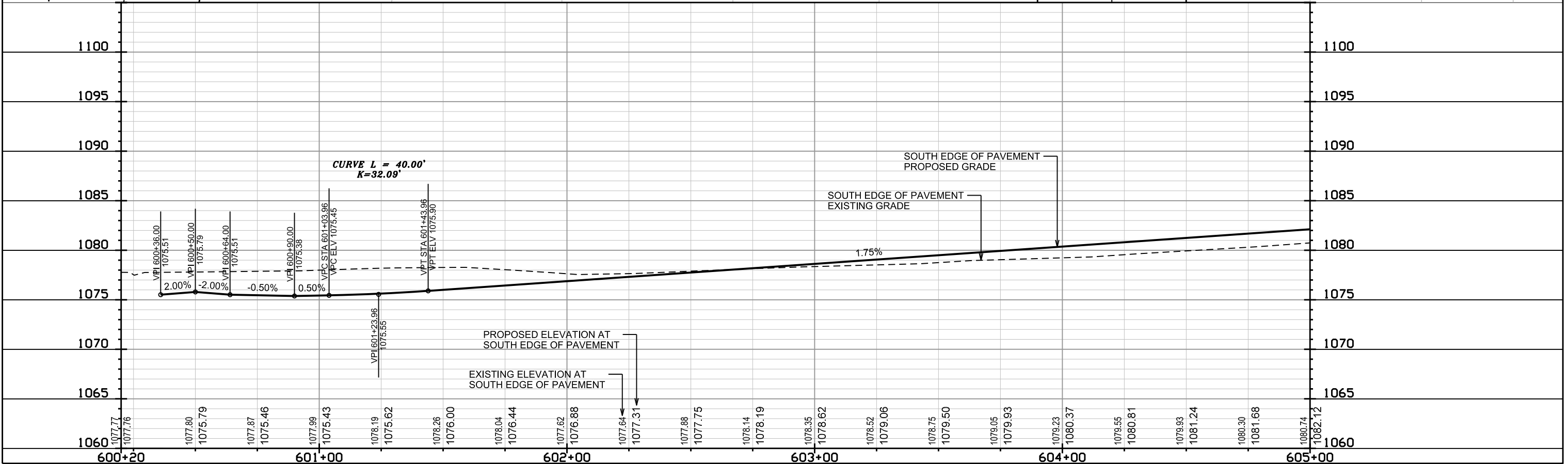
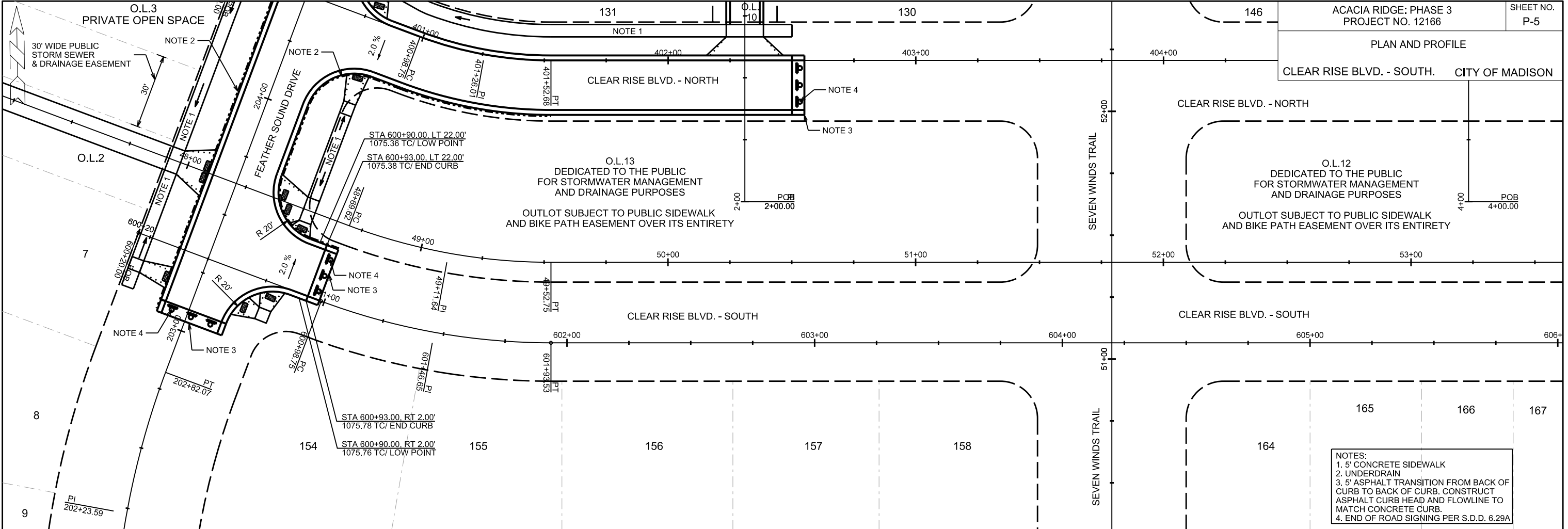
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
CLEAR RISE BLVD. - SOUTH. CITY OF MADISON

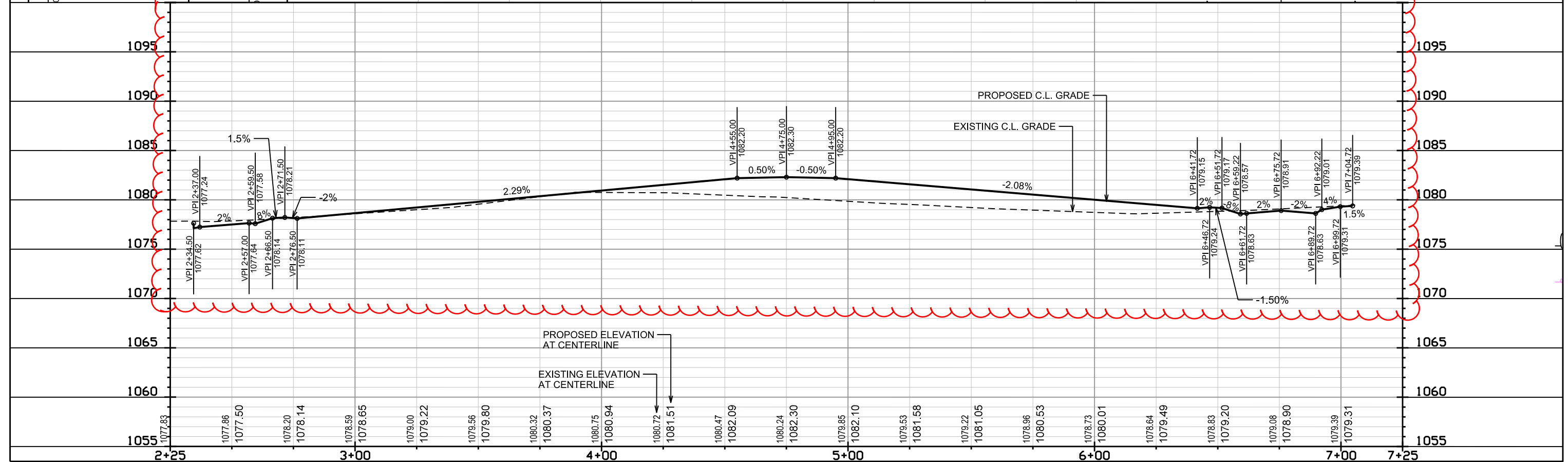
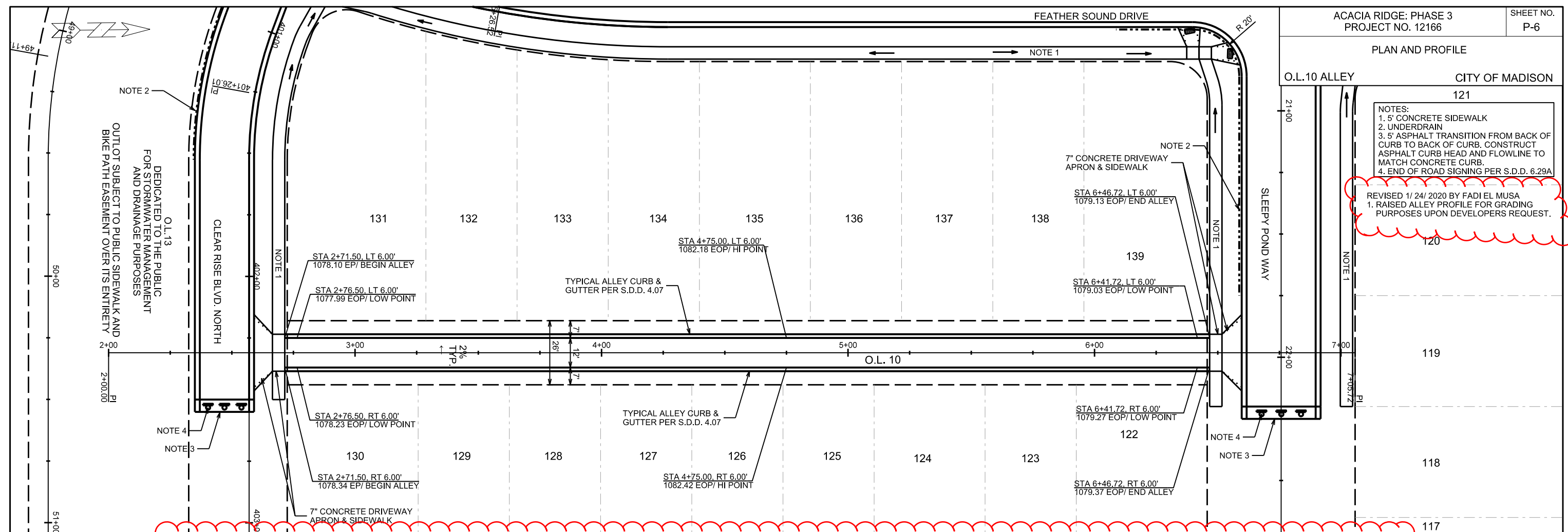


PLAN AND PROFILE

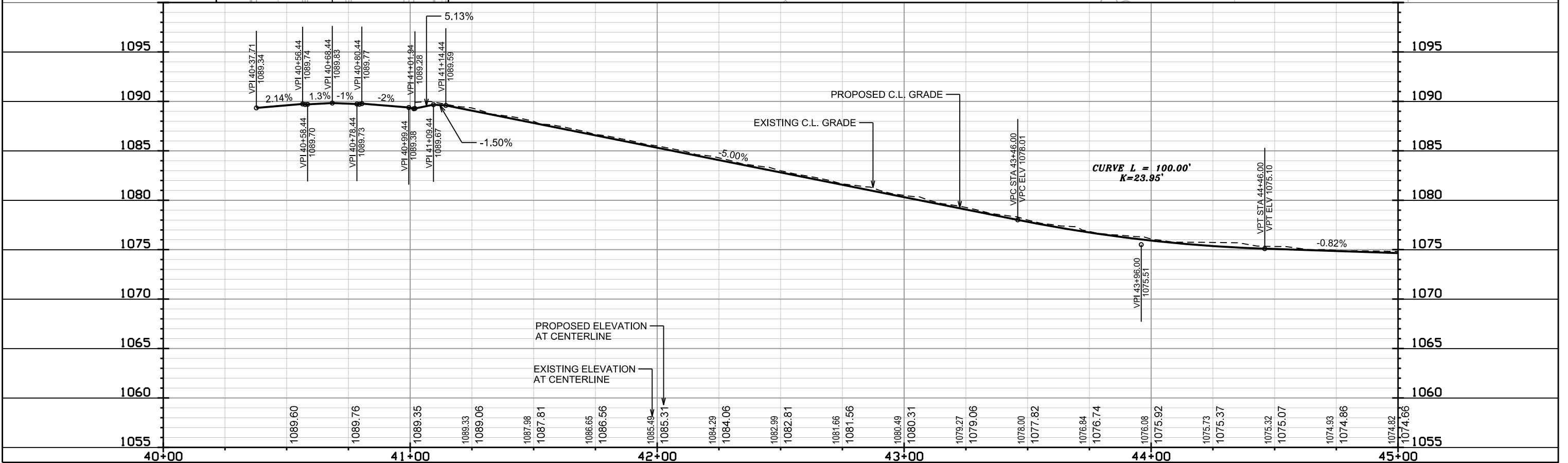
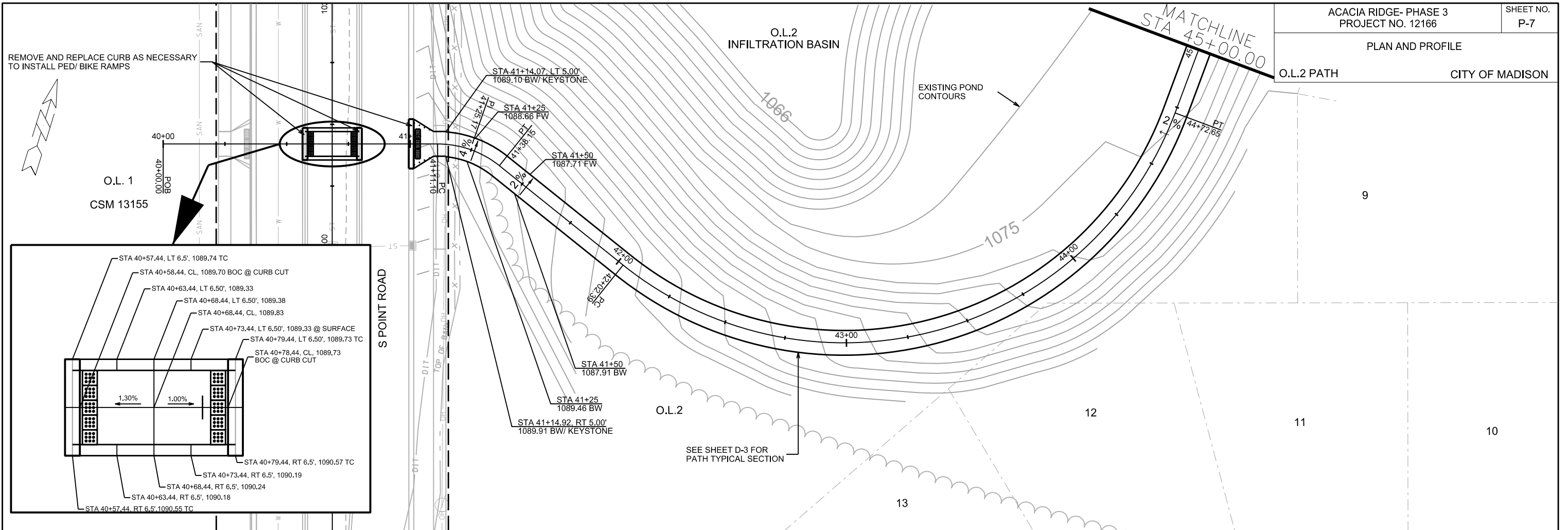
O.L. 10 ALLEY CITY OF MADISON

- NOTES:
1. 5' CONCRETE SIDEWALK
2. UNDERDRAIN
3. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
4. END OF ROAD SIGNING PER S.D.D. 6.29A

REVISED 1/24/2020 BY FADI EL MUSA
1. RAISED ALLEY PROFILE FOR GRADING PURPOSES UPON DEVELOPERS REQUEST.



ORIGINATOR: CITY OF MADISON, STREETS DIVISION
REV. DATE:
PLOT NAME:
PLOT SCALE:



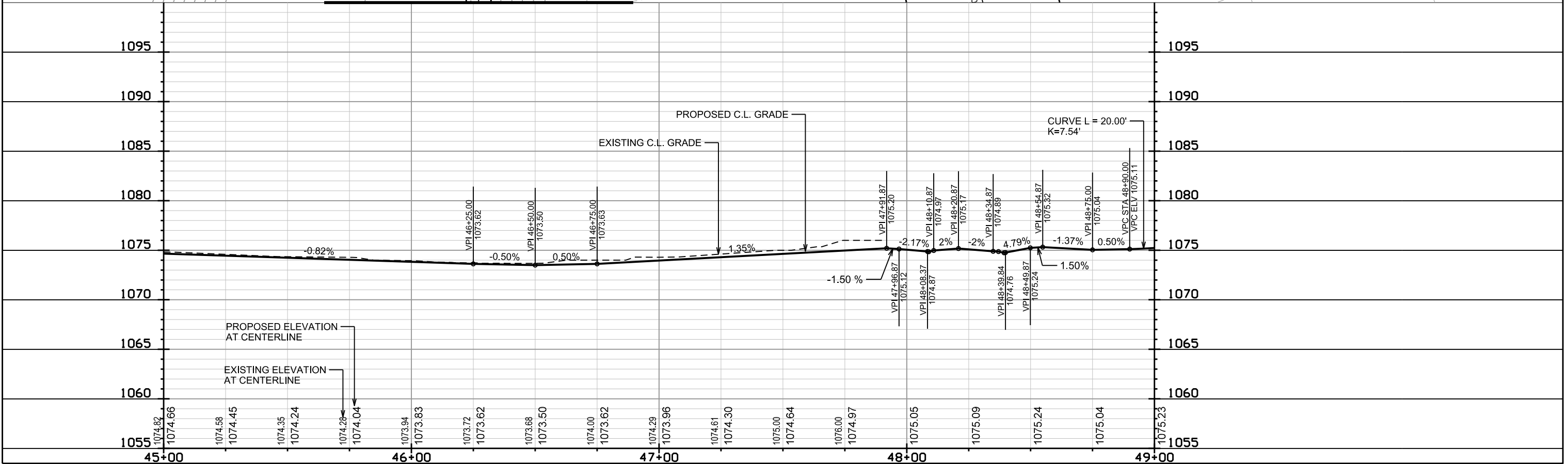
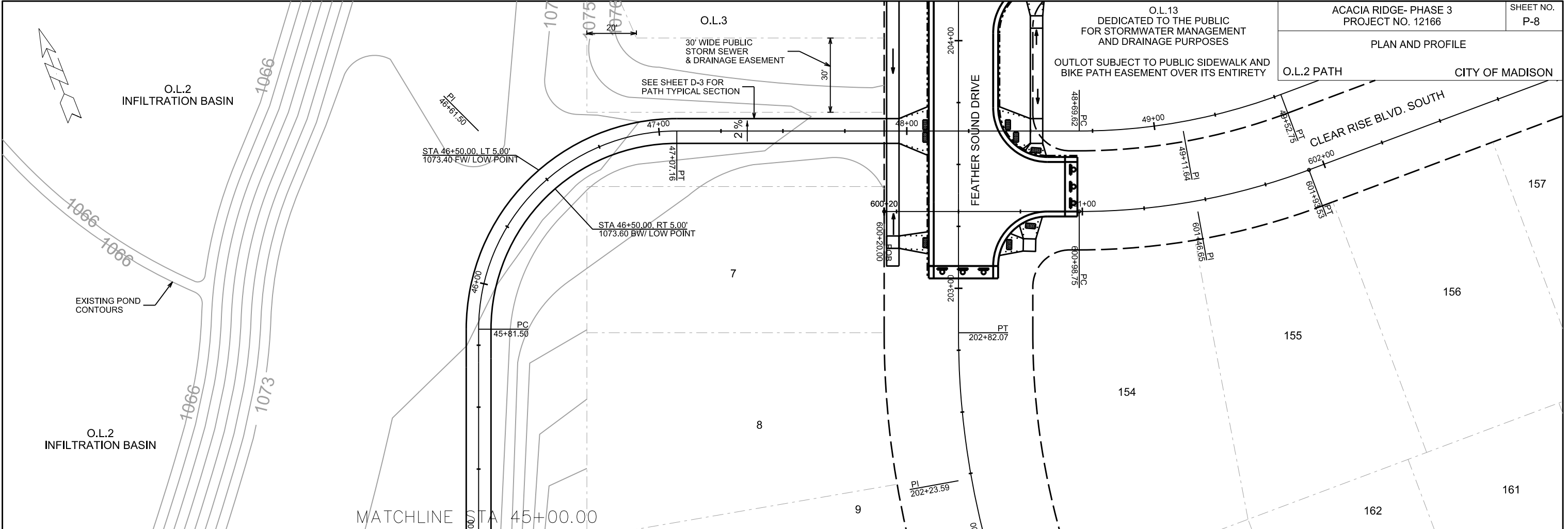
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PLOT NAME:

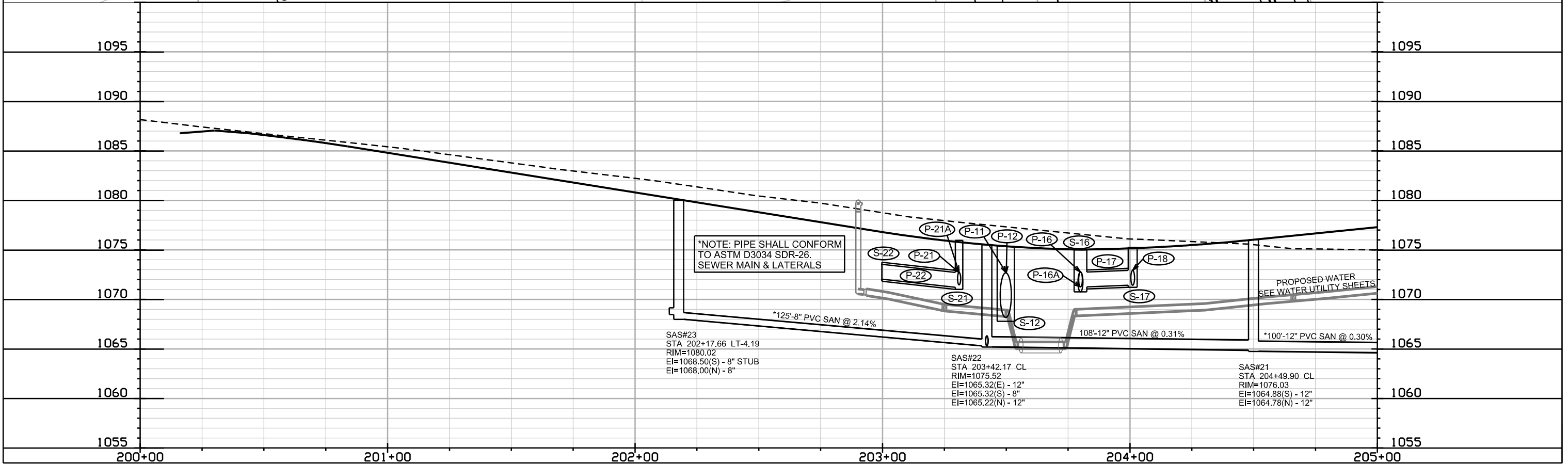
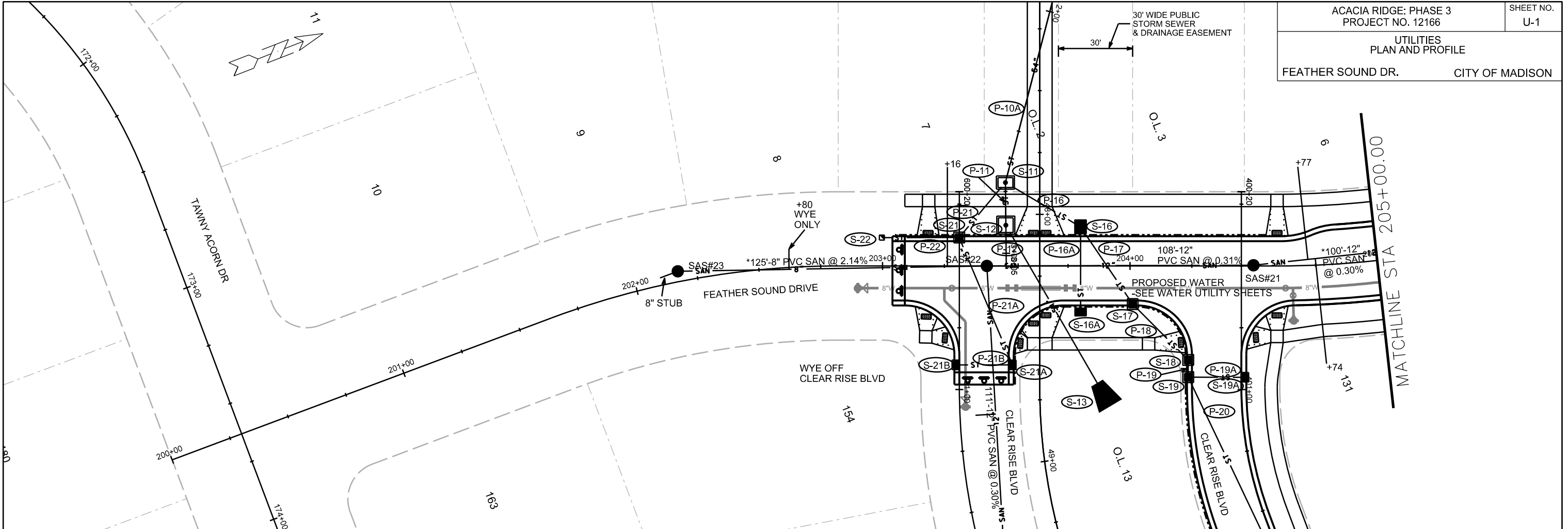
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

O.L.13
DEDICATED TO THE PUBLIC
FOR STORMWATER MANAGEMENT
AND DRAINAGE PURPOSES
OUTLOT SUBJECT TO PUBLIC SIDEWALK AND
BIKE PATH EASEMENT OVER ITS ENTIRETY



PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION



*NOTE: PIPE SHALL CONFORM TO ASTM D3034 SDR-26. SEWER MAIN & LATERALS

SAS#23
STA 202+17.66 LT-4.19
RIM=1080.02
EI=1068.50(S) - 8" STUB
EI=1068.00(N) - 8"

SAS#22
STA 203+42.17 CL
RIM=1075.52
EI=1065.32(E) - 12"
EI=1065.32(S) - 8"
EI=1065.22(N) - 12"

SAS#21
STA 204+49.90 CL
RIM=1076.03
EI=1064.88(S) - 12"
EI=1064.78(N) - 12"

PLOT SCALE: _____

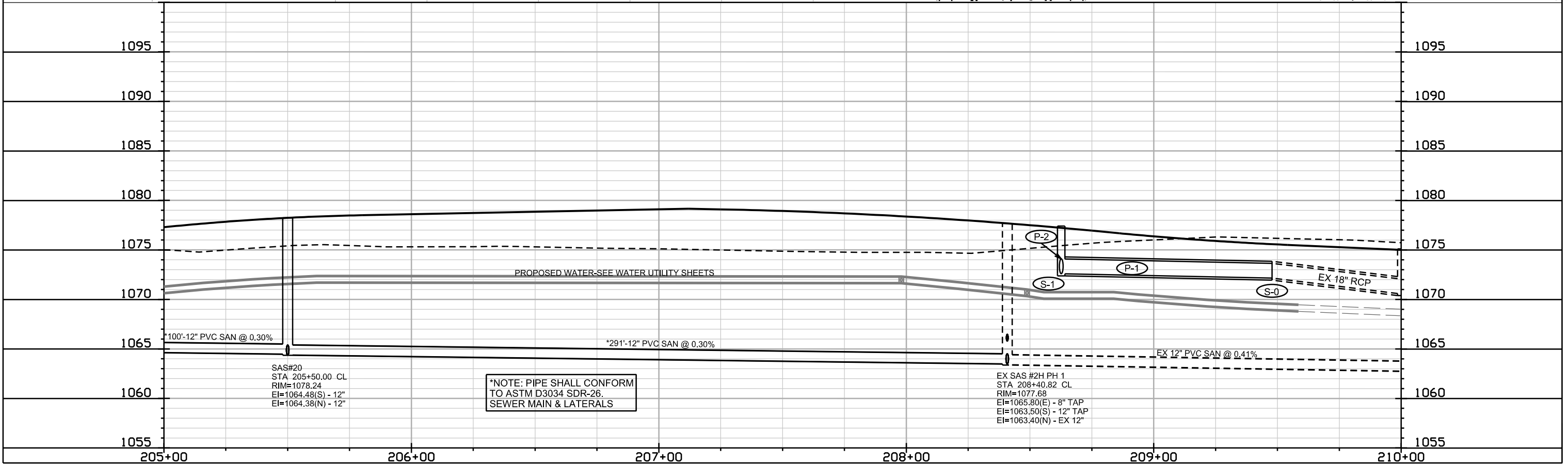
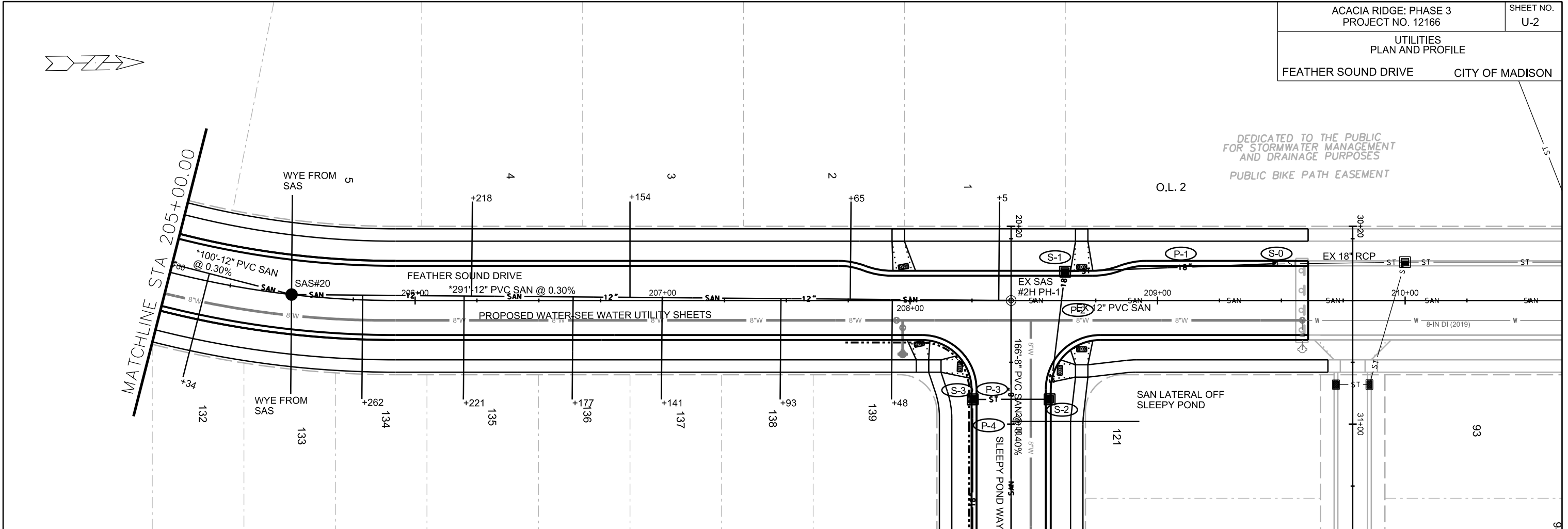
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DEDICATED TO THE PUBLIC
FOR STORMWATER MANAGEMENT
AND DRAINAGE PURPOSES

PUBLIC BIKE PATH EASEMENT



*NOTE: PIPE SHALL CONFORM
TO ASTM D3034 SDR-26.
SEWER MAIN & LATERALS

EX SAS #2H PH 1
STA 208+40.82 CL
RIM=1077.68
EI=1065.80(E) - 8\"/>

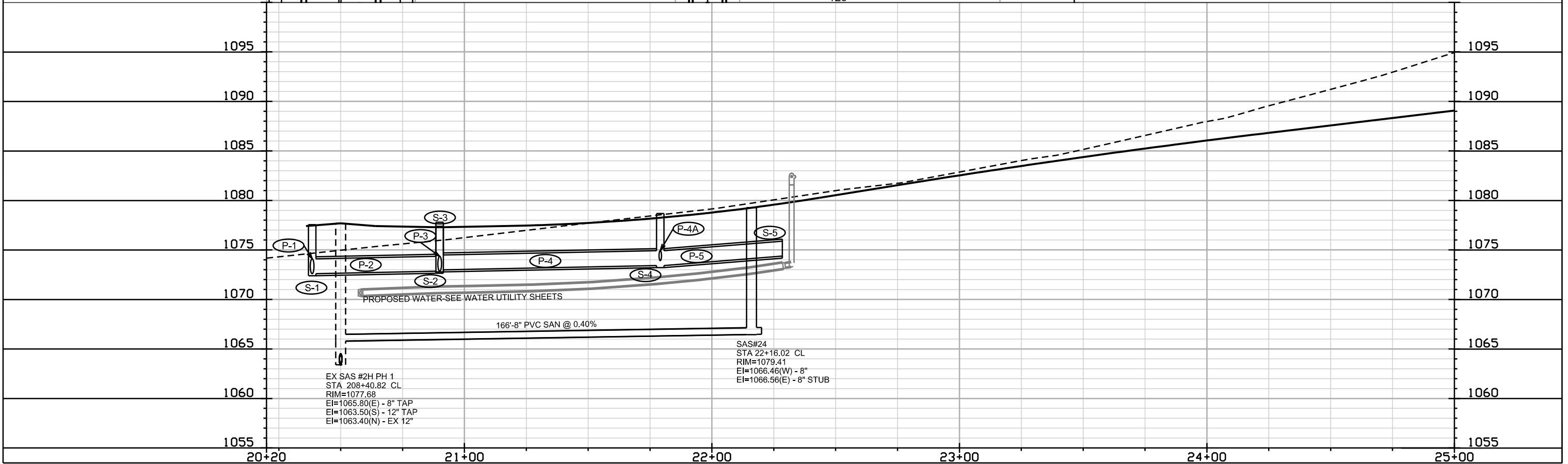
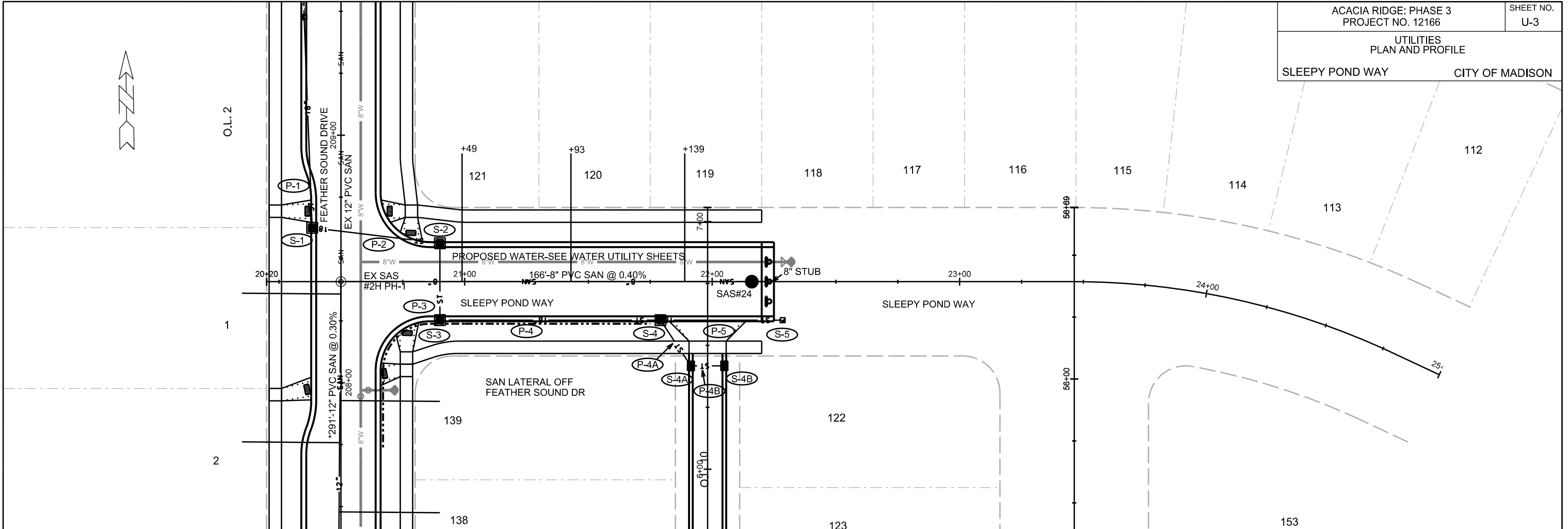
SAS#20
STA 205+50.00 CL
RIM=1078.24
EI=1064.48(S) - 12\"/>

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

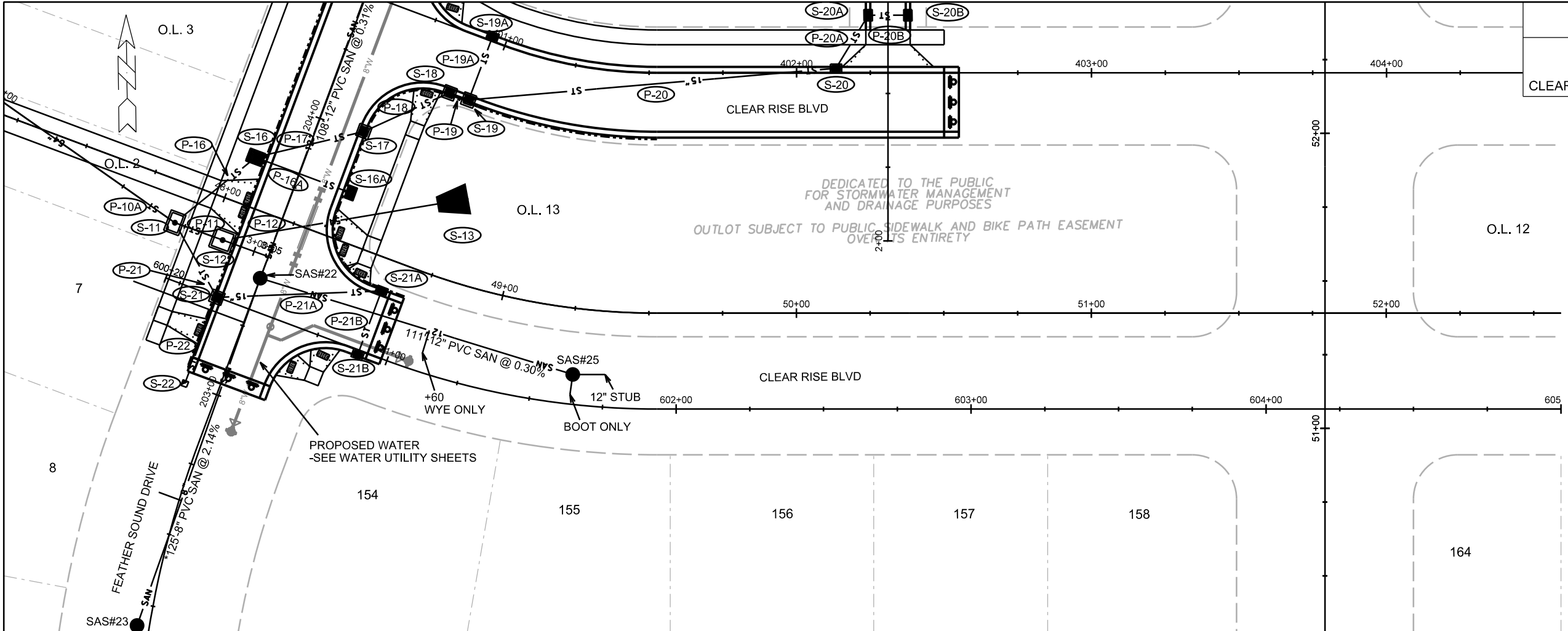


PLOT SCALE: _____

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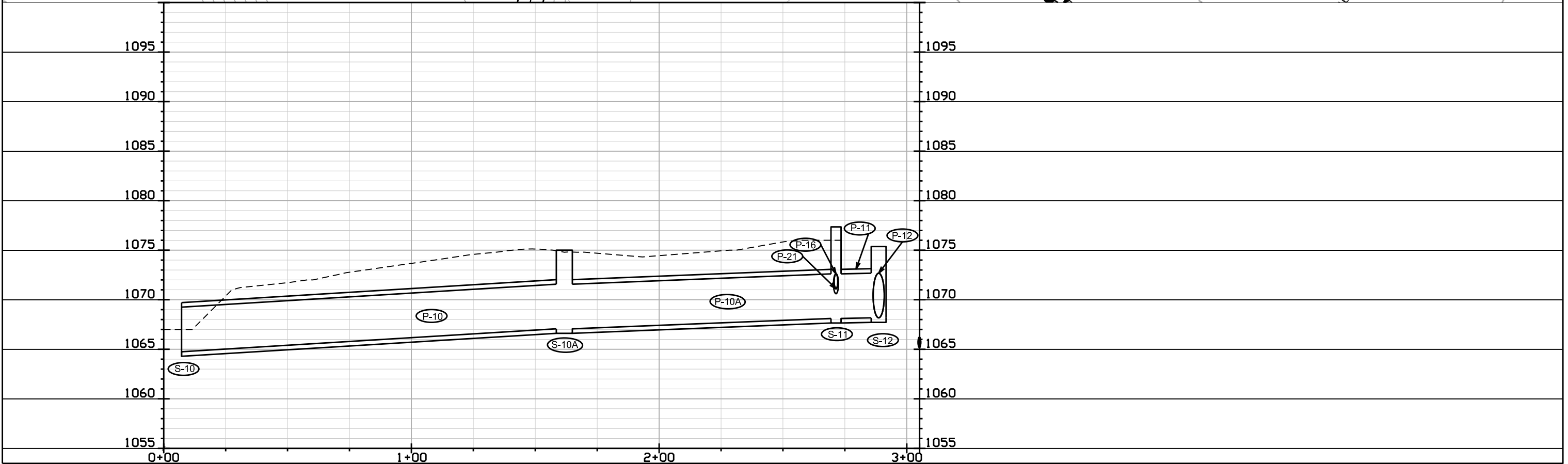
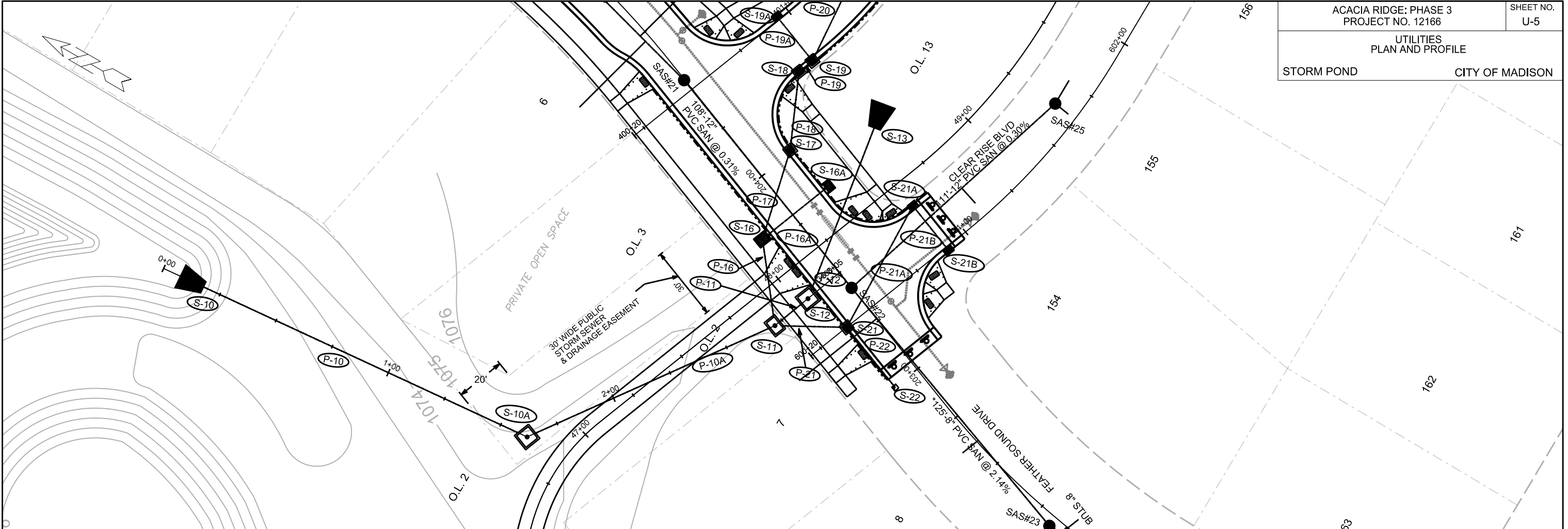


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

ACACIA RIDGE PHASE 3
PROJECT NO. 12166

SHEET NO.
U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

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

SAS#20	205+50.00	CL	1078.24	1064.38	13.86	-
SAS#21	204+49.90	CL	1076.03	1064.78	11.25	-
SAS#22	203+42.17	CL	1075.52	1065.22	10.30	-
SAS#23	202+17.66	LT-4.19	1080.02	1068.00	12.02	-

SLEEPY POND WAY

SAS#24	22+16.02	CL	1079.41	1066.46	12.95	-
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CLEAR RISE BLVD

SAS#25	601+63.79	LT-10.11	1076.05	1065.65	10.40	-
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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#2H PH-1	SAS#20	1063.50	1064.38	291	0.30%	12"	SDR- 26	-
SAS#20	SAS#21	1064.48	1064.78	100	0.30%	12"	SDR- 26	-
SAS#21	SAS#22	1064.88	1065.22	108	0.31%	12"	SDR- 35	-
SAS#22	SAS#23	1065.32	1068.00	125	2.14%	8"	SDR- 26	-
EX SAS#2H PH-1	SAS#24	1065.80	1066.46	166	0.40%	8"	SDR- 35	-
SAS#22	SAS#25	1065.32	1065.65	111	0.30%	12"	SDR- 35	-

STORM SEWER SCHEDULE

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM SEWER STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
FEATHER SOUND DRIVE							
S-0	209+47.55	LT-14.75	CONCRETE COLLAR	-	1072.15	-	CONNECT TO EX PIPE END
S-1	208+62.50	LT-11.50	3X3 SAS	1077.41	1072.60	4.81	W/ R-3067-V
S-11	203+49.64	LT-33.72	6X4 SAS	1075.80	1068.11	7.69	W/ R-1550-0054
S-12	203+50.00	LT-16.50	6X6 SAS	1075.37	1068.18	7.19	W/ R-1550-0054
S-13	203+92.16	RT-56.66	54" RCP APRON END	-	1068.64	-	W/ GATE
S-16	203+80.00	LT-15.80	TERRACE INLET TYPE 1	1075.01	1070.76	4.25	LP; PER SDD 5.7.12; (1); UD
S-16A	203+80.00	RT-18.60	TERRACE INLET TYPE 4	1074.93	1071.42	3.51	LP; PER SDD 5.7.12C; (1); UD
S-17	204+01.09	RT-15.50	3X3 SAS	1075.25	1071.43	3.82	FP; W/ R-3067-7004-VB
S-21	203+30.96	LT-11.50	3X3 SAS	1075.97	1071.23	4.74	W/ R-3067-7004-V
S-22	202+99.74	LT-11.50	PIPE PLUG	-	1072.04	-	-
SLEEPY POND WAY							
S-2	20+90.00	LT-15.50	3X3 SAS	1077.38	1072.85	4.53	LP; W/ R-3067-VB
S-3	20+90.00	RT-15.50	3X3 SAS	1077.80	1072.99	4.81	LP; W/ R-3067-VB; UD
S-4	21+79.12	RT-15.50	3X3 SAS	1078.67	1073.42	5.25	W/ R-3067-V
S-5	22+28.45	RT-15.50	PIPE PLUG	-	1074.38	-	-
CLEAR RISE BLVD SOUTH							
S-21A	600+90.00	LT-21.50	H INLET	1075.36	1071.96	3.40	LP; W/ R-3067-7004-VB; (1)
S-21B	600+90.00	RT-1.50	H INLET	1075.76	1072.36	3.40	W/ R-3067-7004-V
CLEAR RISE BLVD NORTH							
S-18	400+88.00	RT-21.50	3X3 SAS	1075.49	1071.57	3.92	FP; W/ R-3067-V
S-19	400+95.00	RT-21.50	3X3 SAS	1075.46	1071.59	3.87	FP; LP; W/ R-3067-7004-VB; (1); UD
S-19A	400+95.00	LT-1.50	H INLET	1075.86	1072.46	3.40	LP; W/ R-3067-7004-VB
S-20	402+13.38	LT-1.50	H INLET	1077.66	1074.05	3.61	W/ R-3067-V

STORM POND

S-10	0+07.20	CL	54" RCP APRON END	-	1064.75	-	W/ GATE
S-10A	1+61.74	CL	6X6 SAS	1075.00	1067.07	7.93	W/ OPEN CASTING

O.L. 10

S-4A	6+41.72	LT-6.75	H INLET	1079.03	1075.01	4.02	LP; W/ R-3362-L
S-4B	6+41.72	RT-6.75	H INLET	1079.27	1075.65	3.62	LP; W/ R-3362-L
S-20A	2+76.50	LT-6.75	H INLET	1077.99	1074.77	3.22	LP; W/ R-3362-L
S-20B	2+76.50	RT-6.75	H INLET	1078.23	1075.02	3.21	LP; W/ R-3362-L

NOTE: 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.

PROPOSED STORM SEWER PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-0	S-1	1072.15	1072.60	85	84	0.54%	18"	TYPE II	-
P-2	S-1	S-2	1072.60	1072.85	52	49	0.51%	18"	TYPE I	-
P-3	S-2	S-3	1072.85	1072.99	31	28	0.50%	18"	TYPE II	-
P-4	S-3	S-4	1072.99	1073.42	89	86	0.50%	18"	TYPE I	-
P-4A	S-4	S-4A	1073.92	1075.01	22	19	5.74%	12"	TYPE II	-
P-4B	S-4A	S-4B	1075.01	1075.65	13	11	5.82%	12"	TYPE II	-
P-5	S-4	S-5	1073.42	1074.38	49	48	2.00%	18"	TYPE II	-
P-10	S-10	S-10A	1064.75	1067.07	155	151	1.54%	54"	RCP	-
P-10A	S-10A	S-11	1067.07	1068.11	110	105	0.99%	54"	RCP	-
P-11	S-11	S-12	1068.11	1068.18	17	12	0.58%	54"	RCP	-
P-12	S-12	S-13	1068.18	1068.64	85	81	0.57%	54"	RCP	-
P-16	S-11	S-16	1070.61	1070.76	35	30	0.50%	24"	TYPE I	-
P-16A	S-16	S-16A	1071.26	1071.42	34	31	0.52%	18"	TYPE I	-
P-17	S-16	S-17	1071.26	1071.43	38	33	0.52%	18"	TYPE I	-
P-18	S-17	S-18	1071.43	1071.57	32	28	0.50%	18"	TYPE II	-
P-19	S-18	S-19	1071.57	1071.59	7	4	0.50%	18"	TYPE II	-
P-19A	S-19	S-19A	1072.09	1072.46	23	21	1.76%	12"	TYPE I	-
P-20	S-19	S-20	1071.84	1074.05	125	122	1.81%	15"	TYPE I	-
P-20A	S-20	S-20A	1074.30	1074.77	21	18	2.61%	12"	TYPE I	-
P-20B	S-20A	S-20B	1074.77	1075.02	13	11	2.27%	12"	TYPE I	-
P-21	S-11	S-21	1071.11	1071.23	29	24	0.50%	18"	TYPE II	-
P-21A	S-21	S-21A	1071.48	1071.96	56	53	0.91%	15"	TYPE I	-
P-21B	S-21A	S-21B	1072.21	1072.36	23	21	0.71%	12"	TYPE I	-
P-22	S-21	S-22	1071.23	1072.04	31	30	2.70%	18"	TYPE I	-

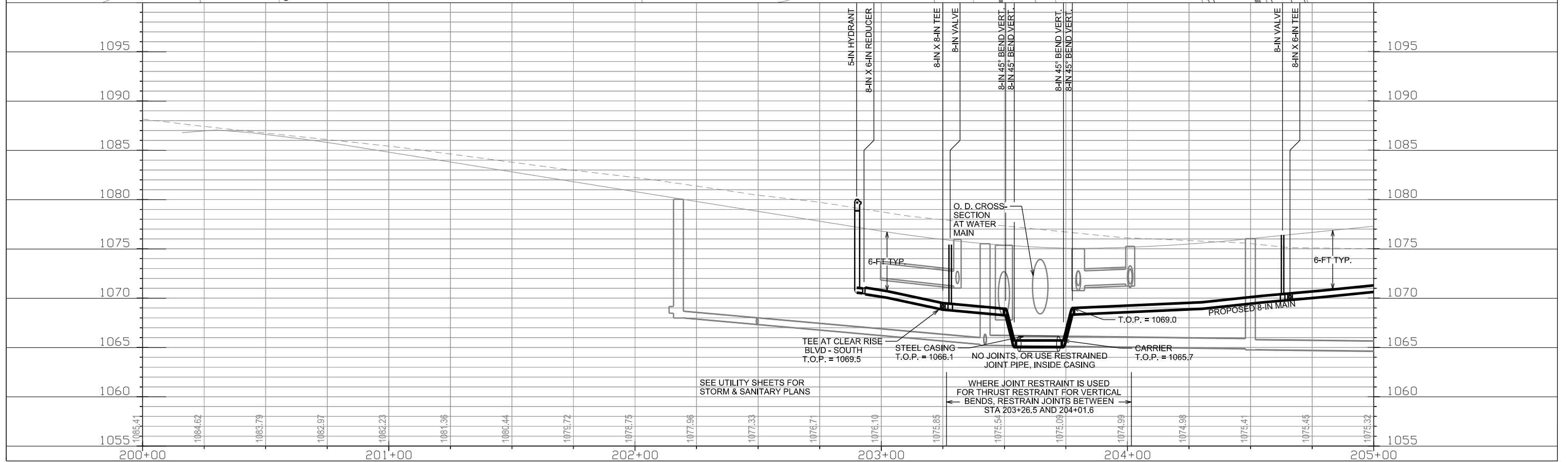
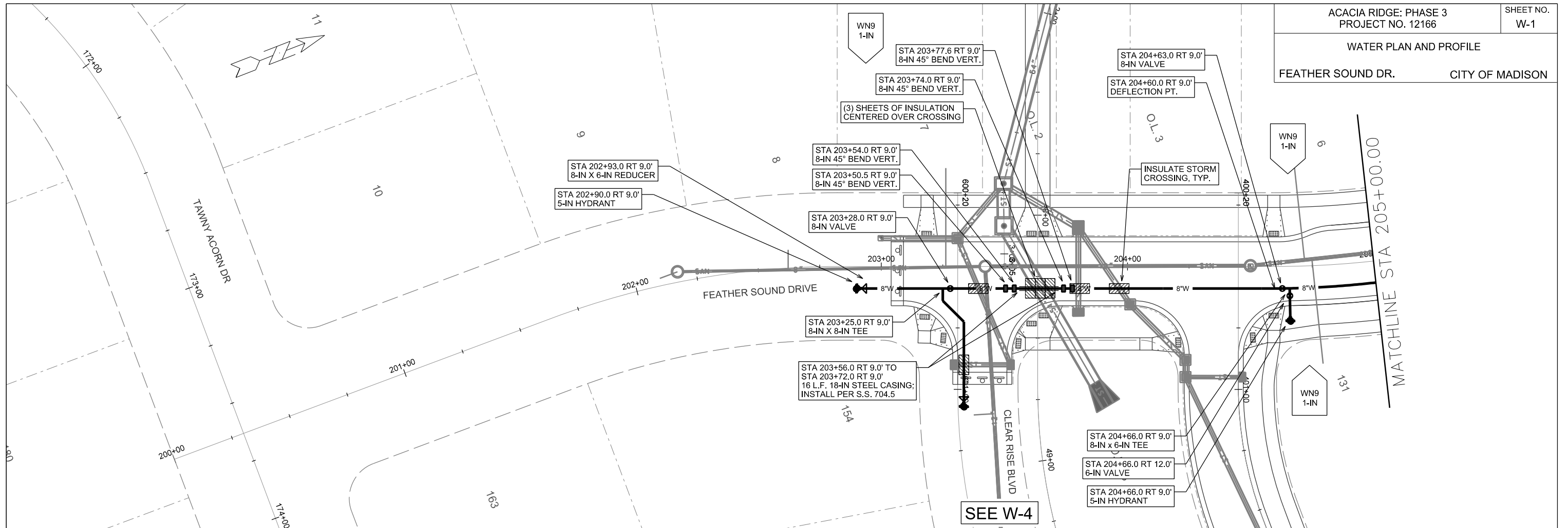
SPECIFIC NOTES:

[1] INSTALL LOW POINT PVC DRAIN; SEE S.D.D. 5.7.7A

STANDARD NOTES:

- 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.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- 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 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 PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

WATER PLAN AND PROFILE
FEATHER SOUND DR. CITY OF MADISON

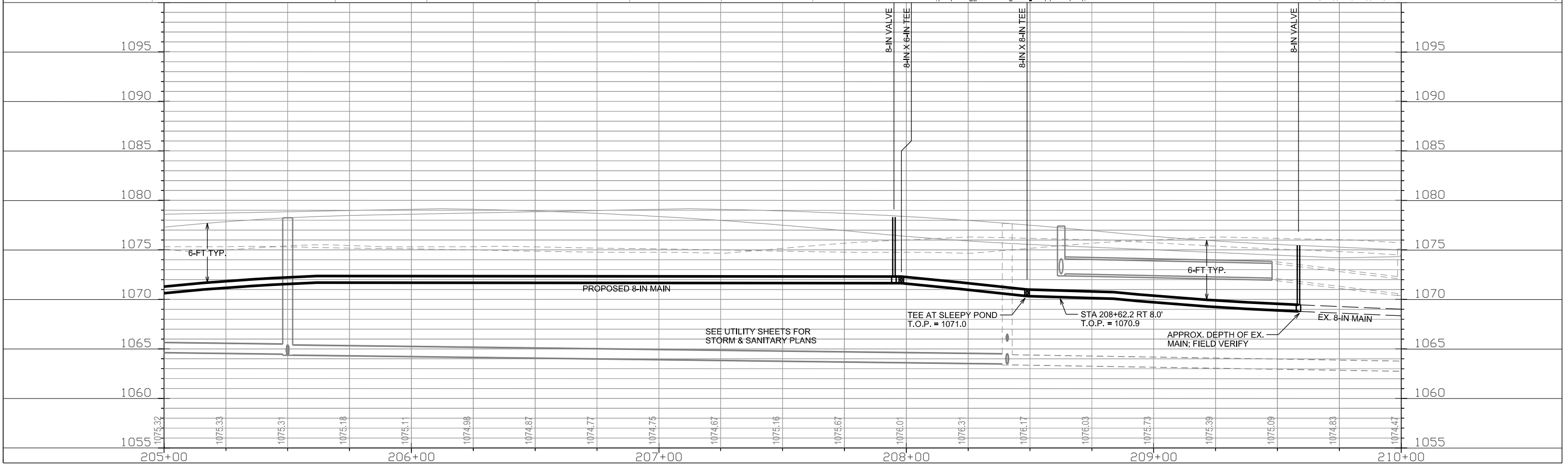
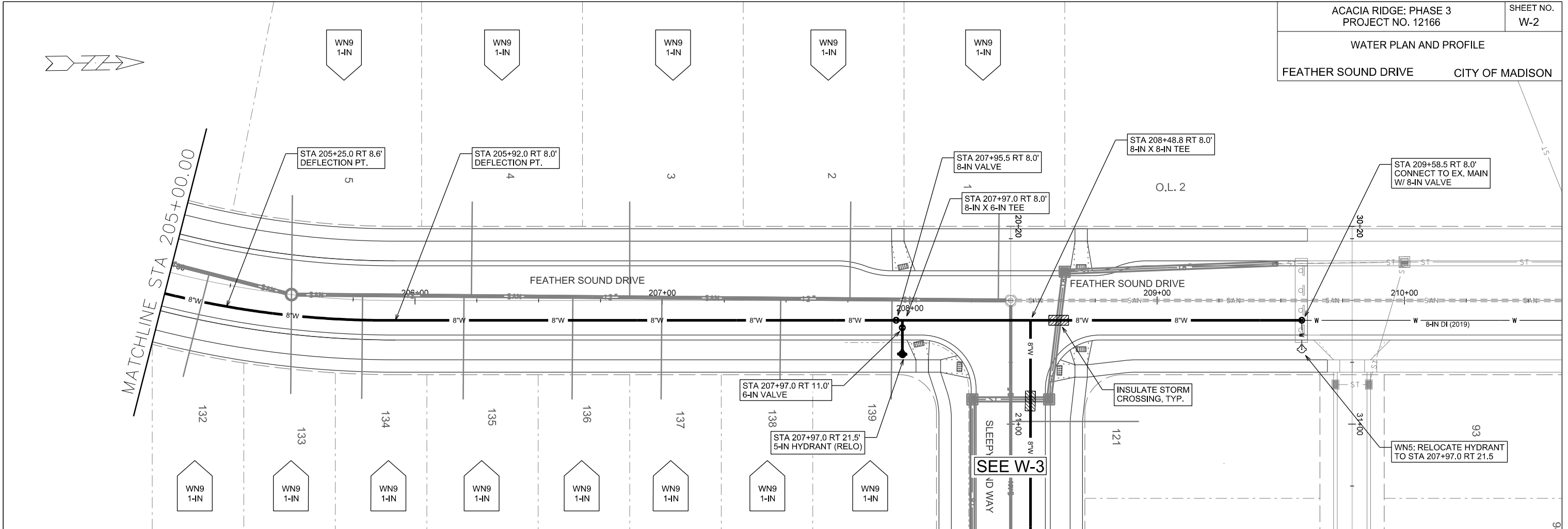


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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

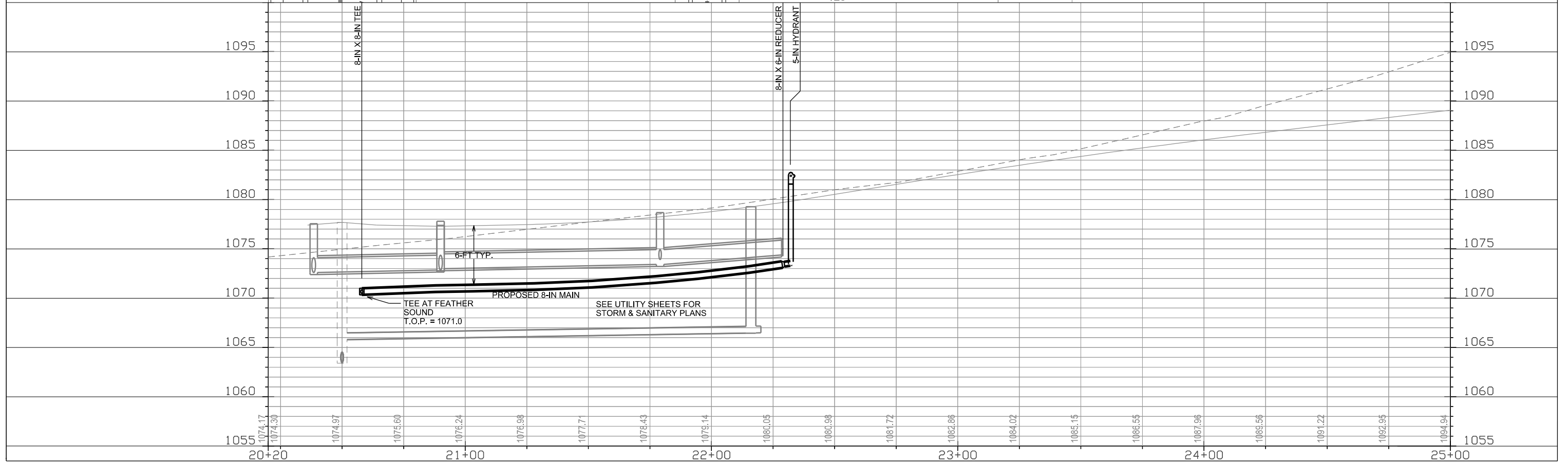
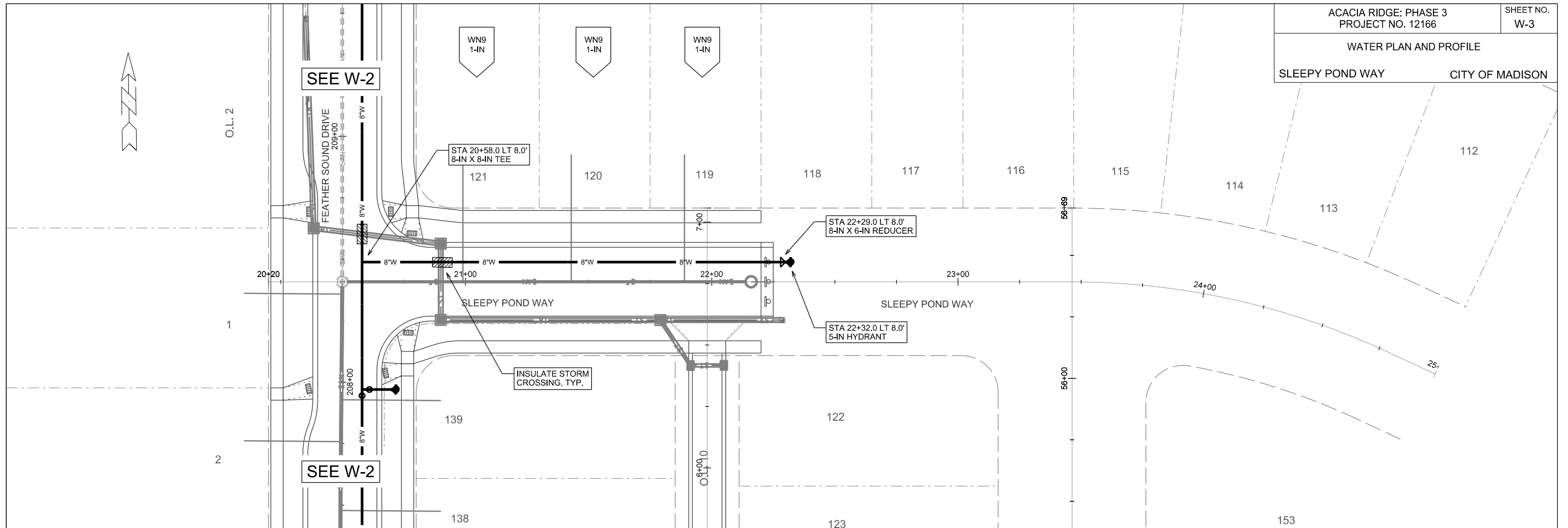
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

SLEEPY POND WAY CITY OF MADISON

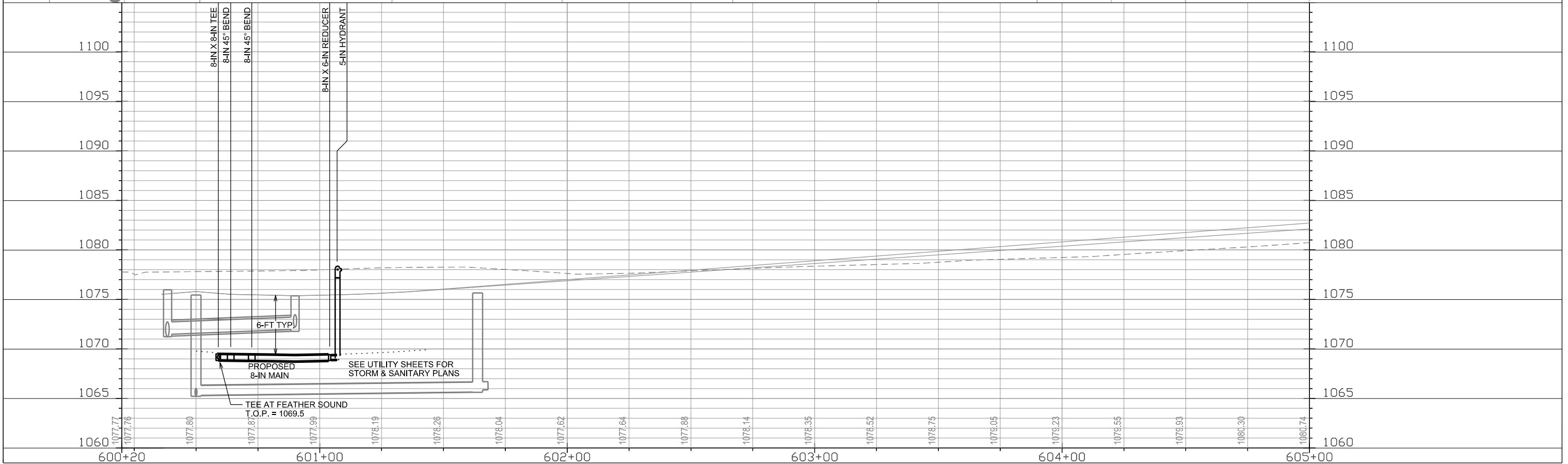
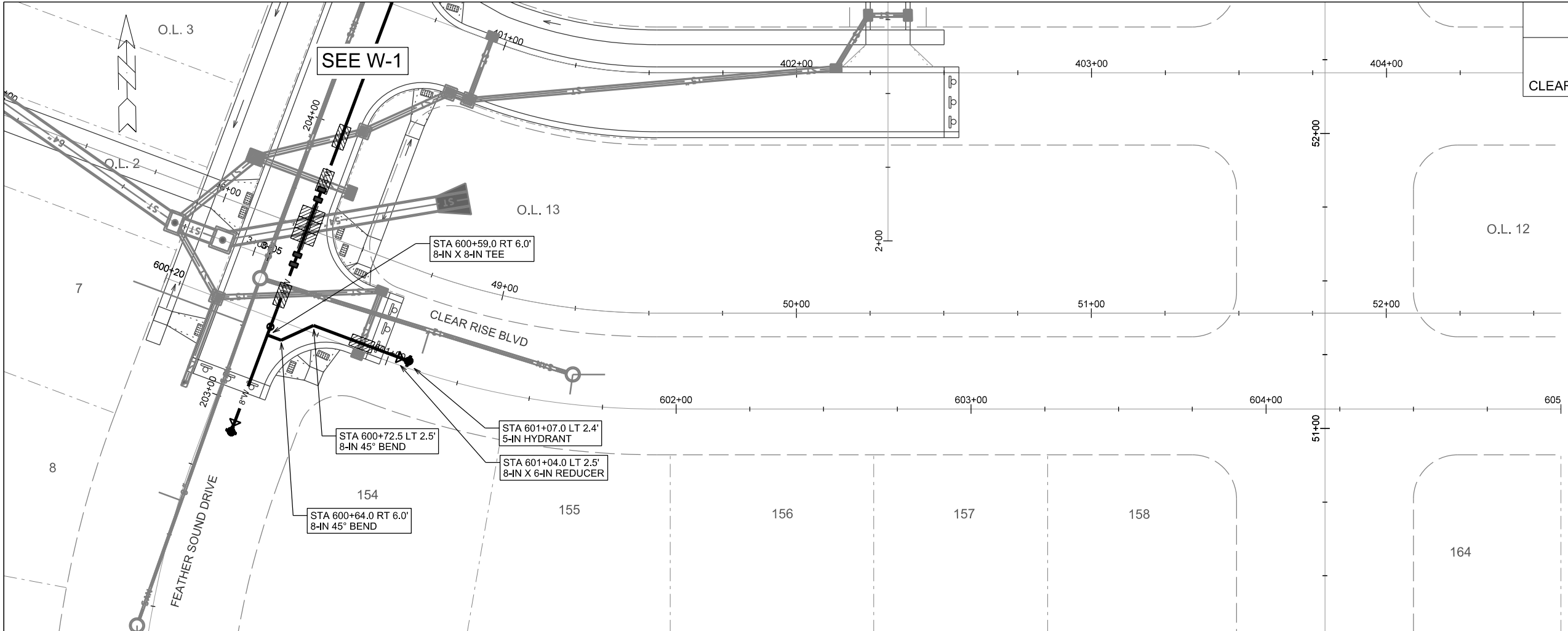


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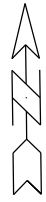
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN OVERVIEW

ACACIA RIDGE: PHASE 3 CITY OF MADISON

WATTS RD

9401



9359 9355 9351 9347 9343 9339 9335 9331 9327 9323 9319 9315 9311 9307 9303
9356 9352 9348 9344 9340 9336 9332 9328 9324 9320 9316 9312 9308 9304

533 618 622 626

SLEEPY POND WAY

FEATHER SOUND DR

802 808 814 820 826 832 838 904 910

805 809 813 817 821 825 829 833 837
804 808 812 816 820 824 828 832 836

SEVEN WINDS TRL

809 813 817 821 825 829 833 837
540 542 544 546 548 550

REDAN DR

CLEAR RISE BLVD

851

CLEAR RISE BLVD

9419 15 11 07 03

321 317 313 309 9306 9301

--- EXISTING WATER MAIN
--- PROPOSED WATER MAIN

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.

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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 EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
 4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.
- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
 - WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
 - WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
 - WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
 - WN5 RELOCATE THE EXISTING FIRE HYDRANT.
 - WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
 - WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
 - WN8 ABANDON THE VALVE BOX.
 - WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
 - WN10 REMOVE AND SALVAGE EXISTING HYDRANT
 - WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
 - WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- | | |
|----------------------|-----------------------------------|
| 45-FT - 6-IN PIPE | 3 - 8-IN X 6-IN REDUCER |
| 890-FT - 8-IN PIPE | 3 - 5-IN HYDRANT |
| 2 - 6-IN VALVE | 16-FT - 18-IN STEEL CASING |
| 4 - 8-IN VALVE & BOX | 72-FT - 2-IN STYROFOAM INSULATION |
| 2 - 8-IN X 6-IN TEE | 1075-FT - POLY WRAP |
| 2 - 8-IN X 8-IN TEE | 1-IN TO 2-IN COPPER (AS REQ'D) |
| 6 - 8-IN 45° BEND | |

MATERIALS SUPPLIED BY CITY:

** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

NONE

ESTIMATE OF MATERIALS REUSED:

** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

1 - 5-IN HYDRANT

ESTIMATE OF MATERIALS SALVAGED:

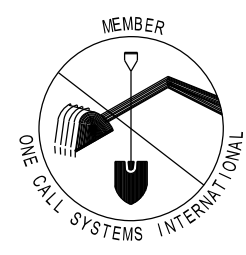
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

NONE

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.

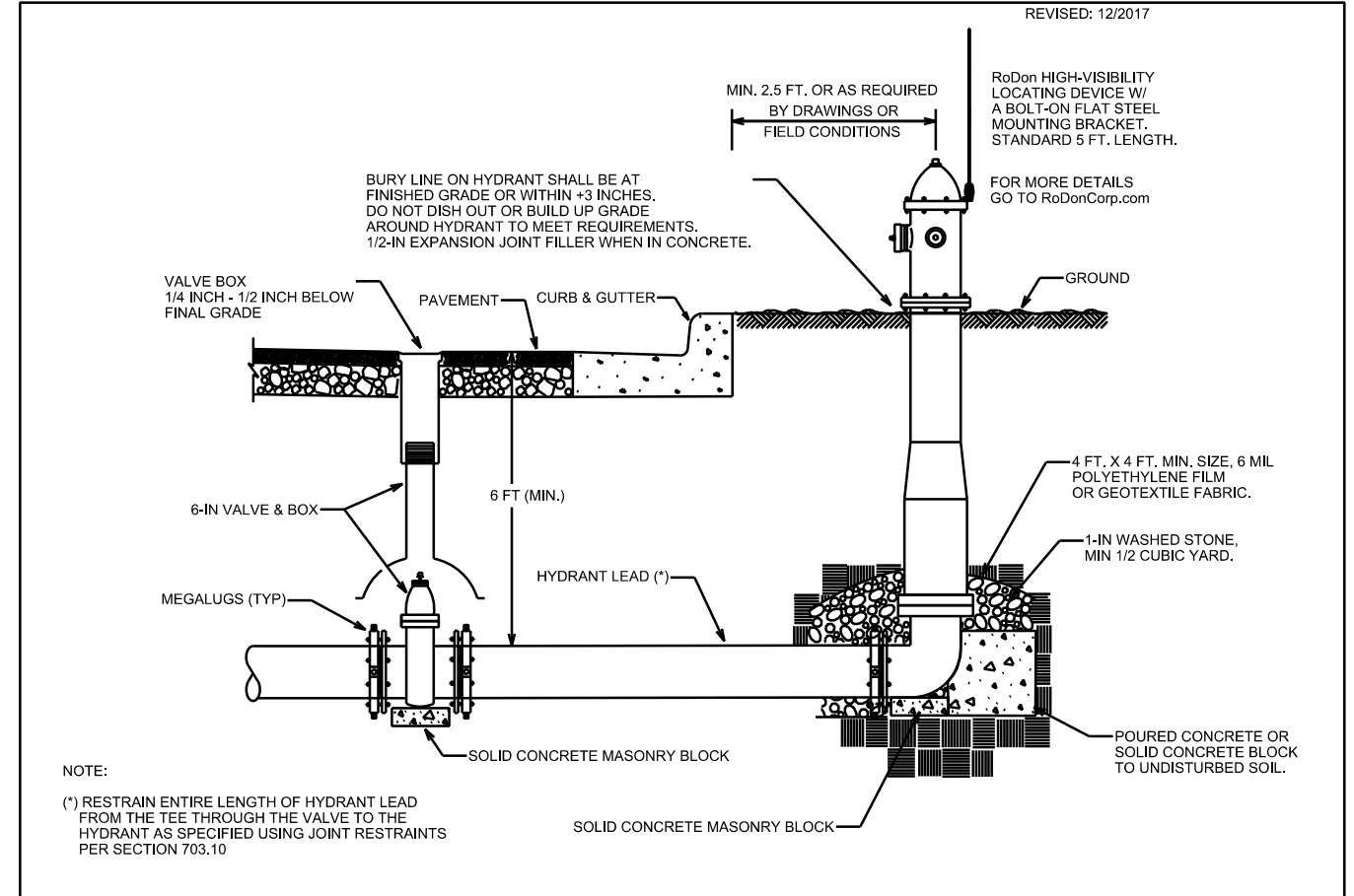


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PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2017



NOTE:
(*) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION