

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 12, 2018

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

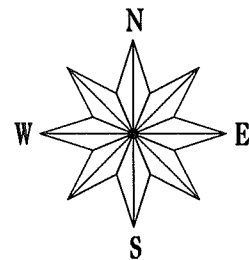
[Signature] 5/2/18
City Engineer Date

INDEX OF SHEETS

SHEET NO.	TITLE
1	DETAILS
DI-D4	STREET PLAN AND PROFILES
PI-P7	UTILITIES PLAN AND PROFILES
UI-U6	SANITARY SEWER SCHEDULE
USAN	STORM SEWER SCHEDULE
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WI-W7	WATER MATERIALS
W8	GINGERGRASS WAY CROSS-SECTIONS
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FIRST ADDITION TO 1000 OAKS PHASE 5

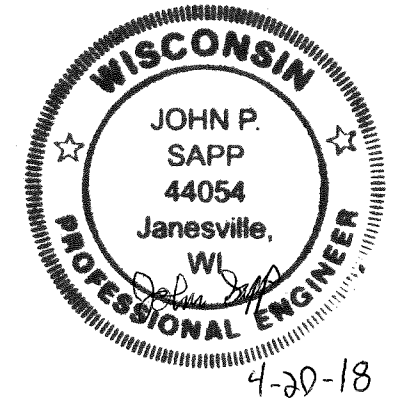
CITY PROJECT NO. 11906
CITY CONTRACT NO. 8132
MUNIS NO. 11906



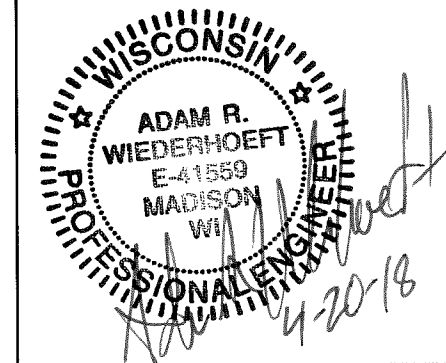
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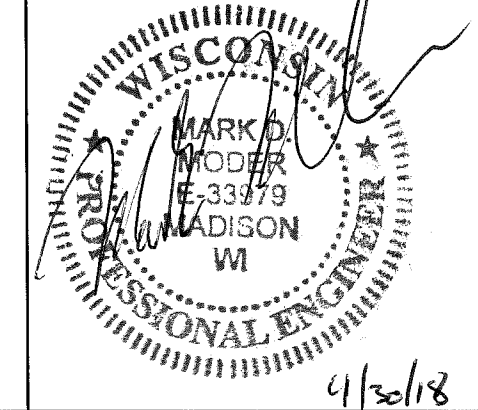
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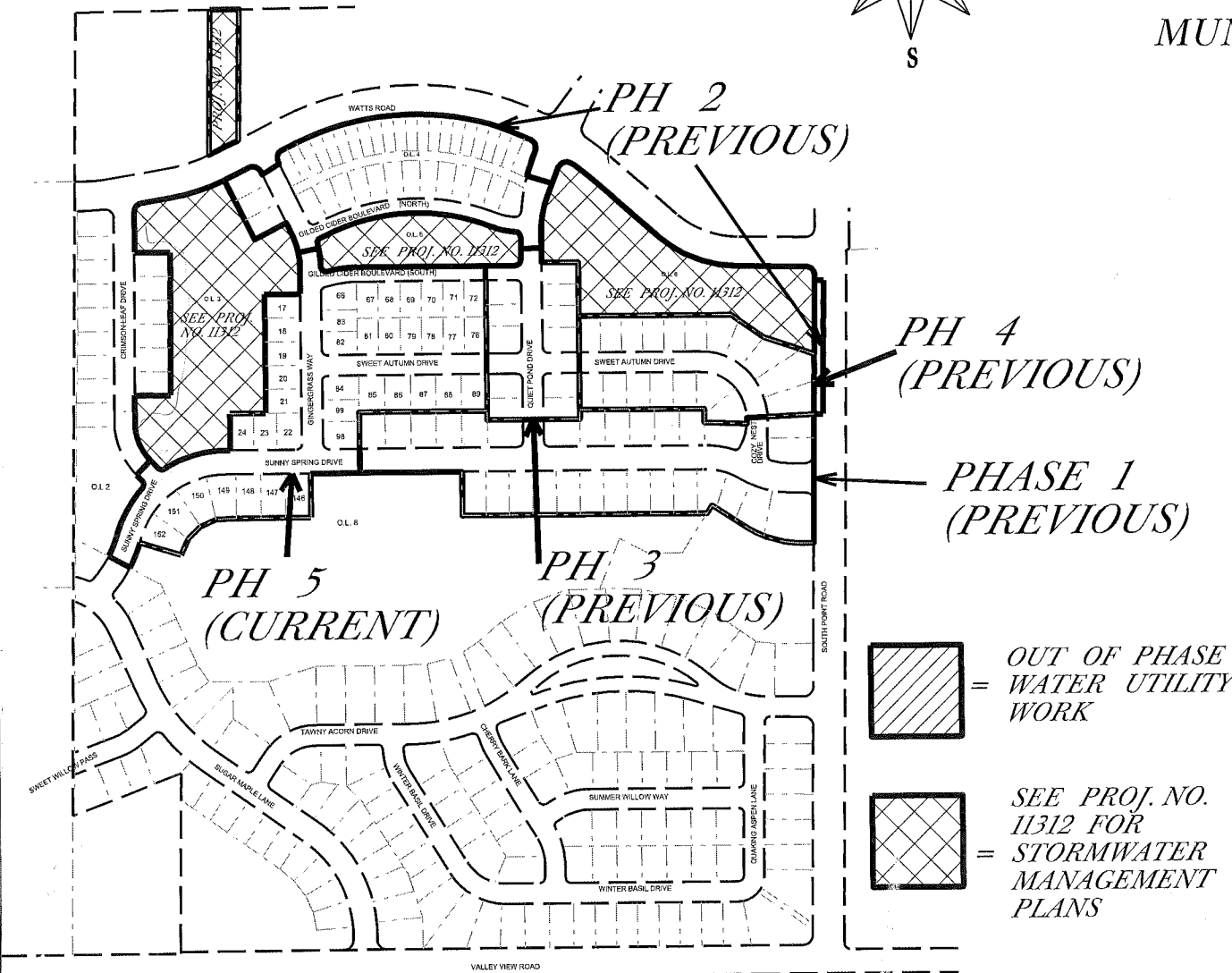
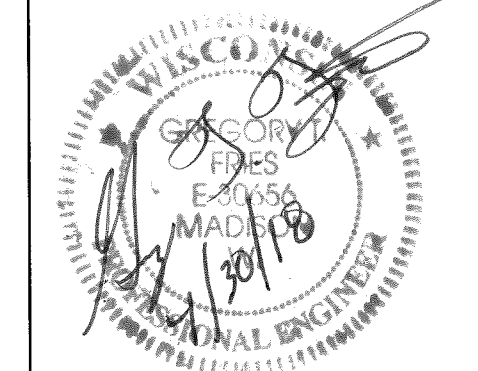
WATER DESIGNED BY:



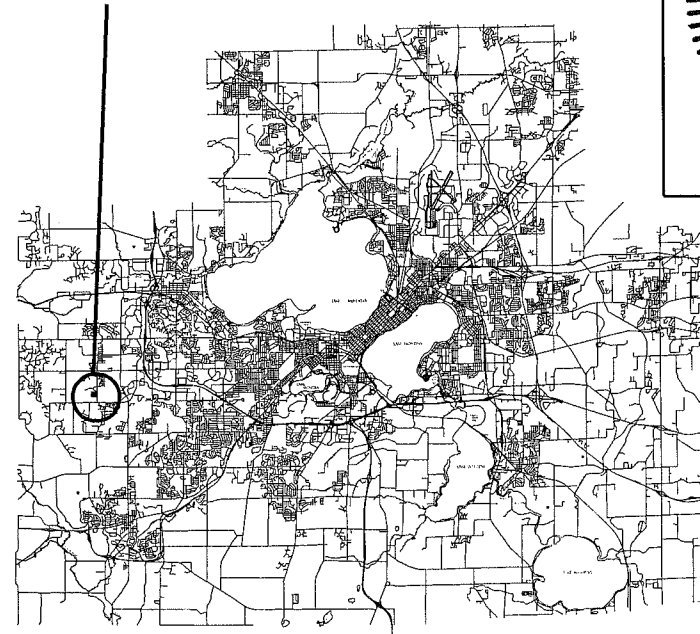
SANITARY SEWER DESIGNED BY:



STORM SEWER DESIGNED BY:



PROJECT LOCATION



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

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

ALL PAVEMENT IN THE GILDED CIDER BOULEVARD-SOUTH, GINGERGRASS WAY, AND SWEET AUTUMN DRIVE, AND CRIMSON LEAF DRIVE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE SUNNY SPRING DRIVE RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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

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

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES 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. 3.03. 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 4.00:1. 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 ALIGNMENT FROM THE CITY 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.

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

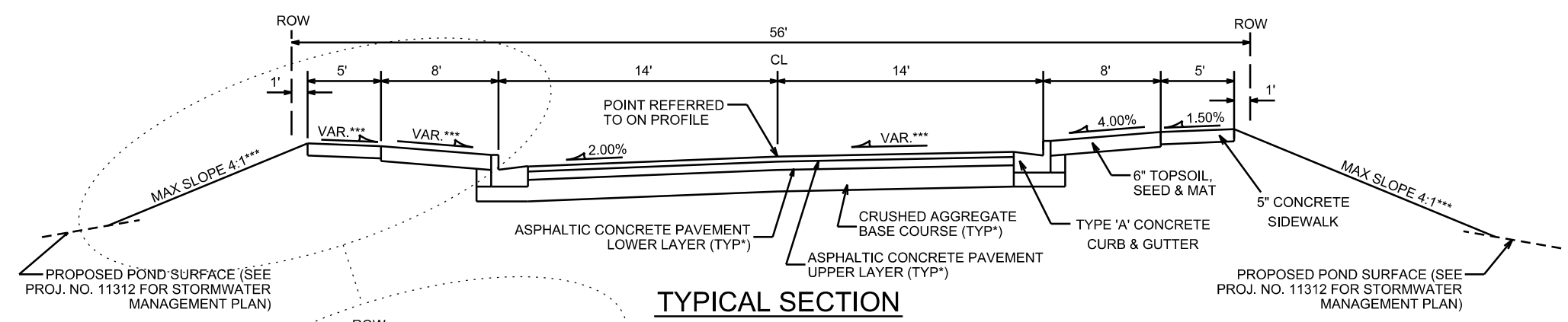
CONVENTIONAL SIGNS	
<i>FIELD VERIFY ALL UTILITY LOCATIONS</i>	
GAS	—— G ——
STORM SEWER	—— ST ——
SANITARY SEWER	—— SAN ——
WATER	—— W ——
OVERHEAD ELECTRIC	—— OH ——
POWER POLE	⊕
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

PLOT SCALE: _____

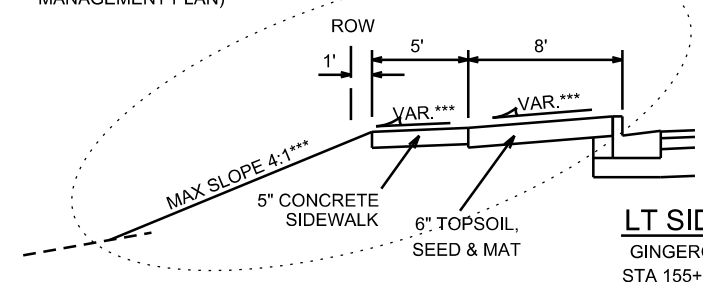
PLOT NAME: _____

REV. DATE: _____

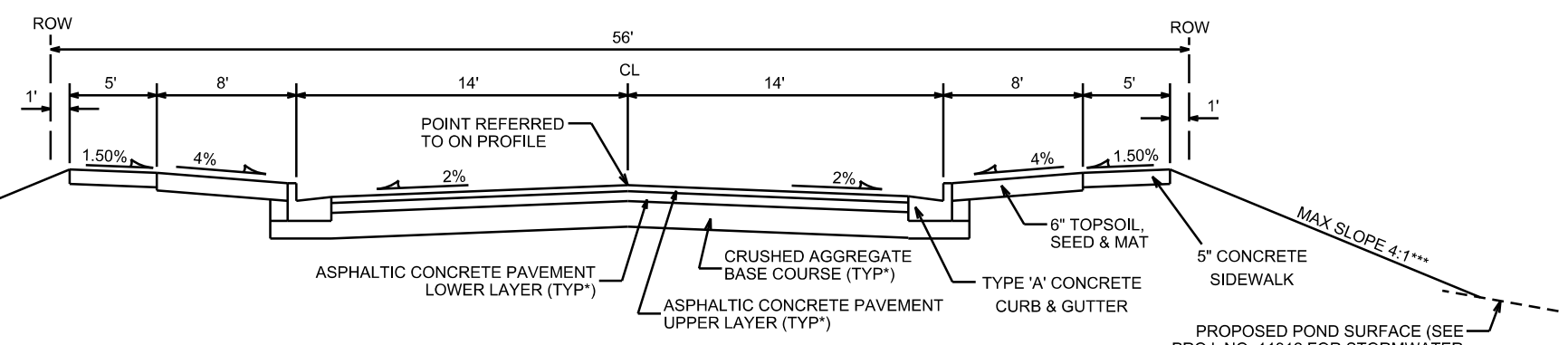
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



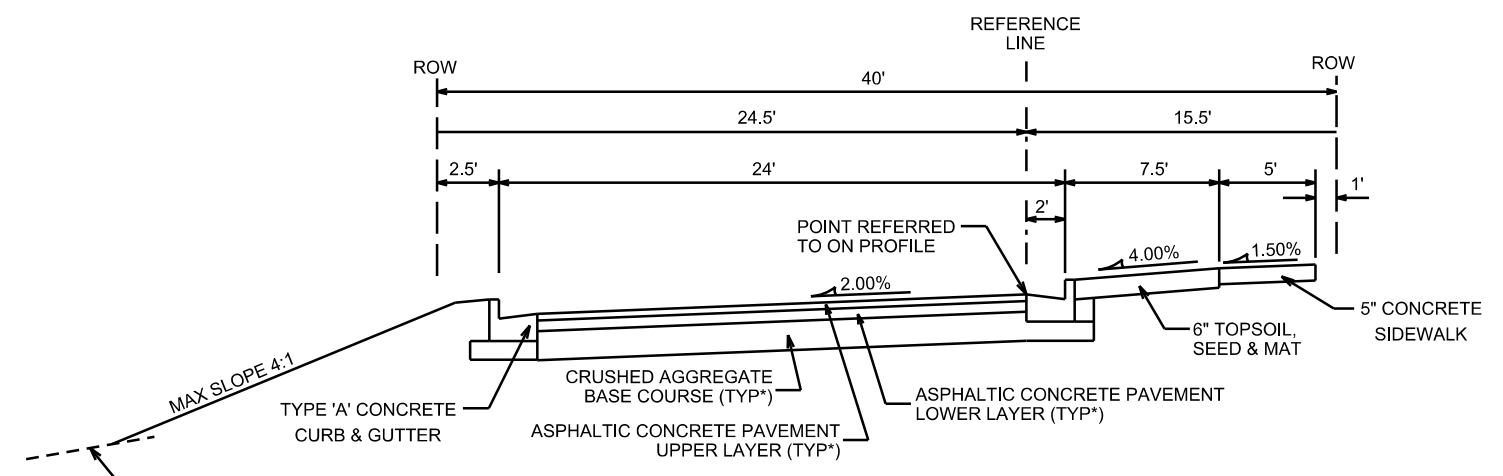
TYPICAL SECTION
GINGERGRASS WAY
STA 151+16 TO 152+00
AND STA 154+75 TO 156+75
NOT TO SCALE



LT SIDEWALK
GINGERGRASS WAY
STA 155+77 TO 156+75



TYPICAL SECTION
GINGERGRASS WAY FROM STA 152+00 TO 154+75
SWEET AUTUMN DRIVE
AND CRIMSON LEAF DRIVE
NOT TO SCALE



TYPICAL SECTION
GILDED CIDER BLVD.- SOUTH
NOT TO SCALE

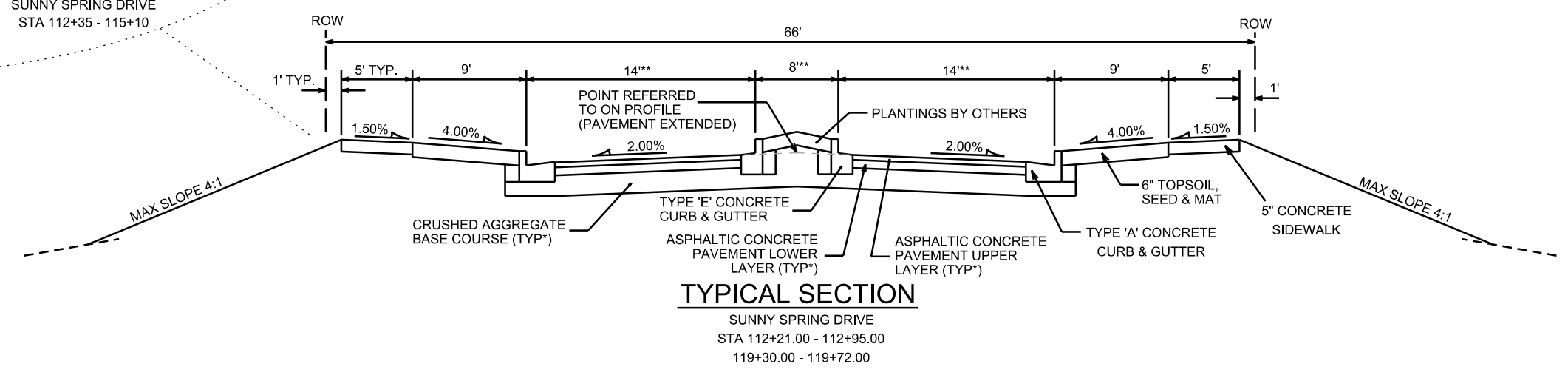
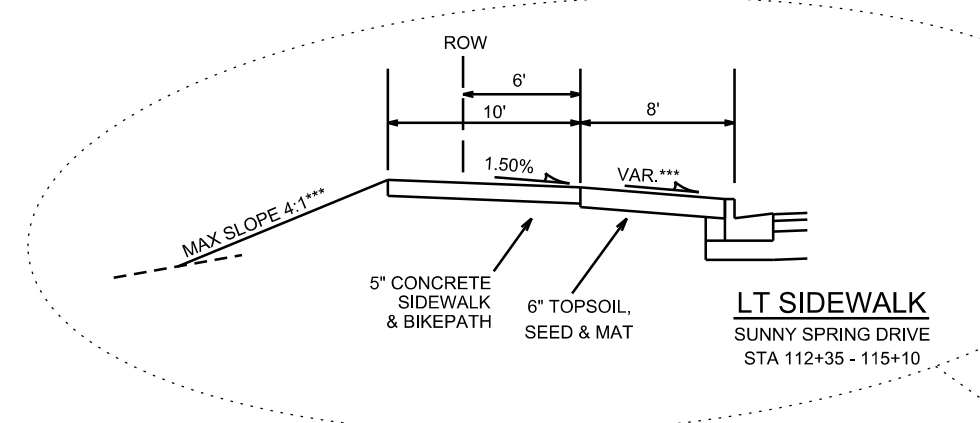
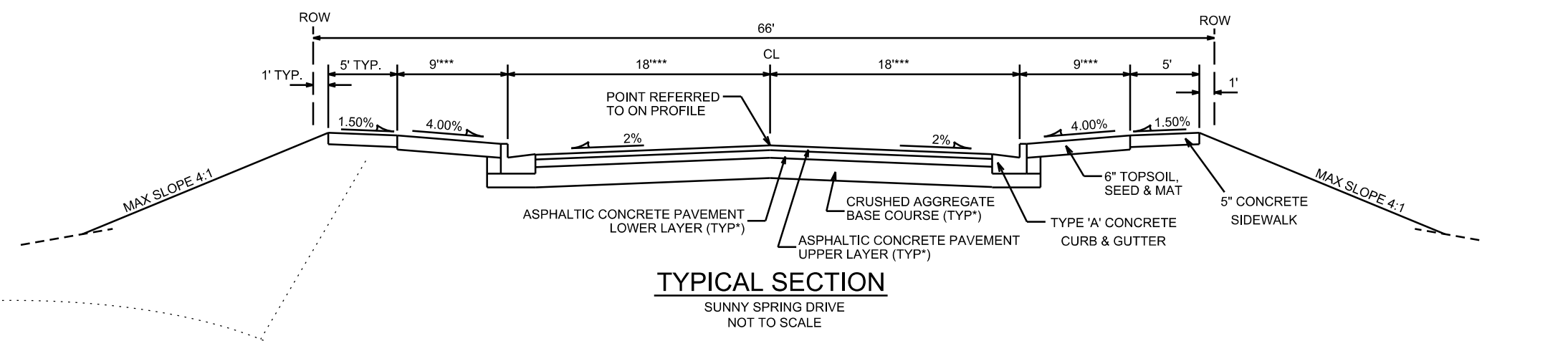
NOTES:

- * GINGER GRASS WAY, SWEET AUTUMN DR, GILDED CIDER BLVD- SOUTH, AND CRIMSON LEAF DR SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †
- *** SEE CROSS-SECTIONS FOR OFFSETS, ELEVATIONS AND SLOPES

† 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 HT 58-28 H	3.50"	4 MT 58-28 S/H 4 HT 58-28 H	2.00"

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



- NOTES:
- * SUNNY SPRING DRIVE SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †
 - ** SEE D-4 FOR MEDIAN, SIDEWALK, & INTERSECTION DETAILS
 - *** VARIES AT INTERSECTION W/ CRIMSON LEAF. SEE D-4 FOR MEDIAN, SIDEWALK, & INTERSECTION DETAIL

† 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 HT 58-28 H	3.50"	4 MT 58-28 S/H 4 HT 58-28 H	2.00"

PLOT SCALE: _____

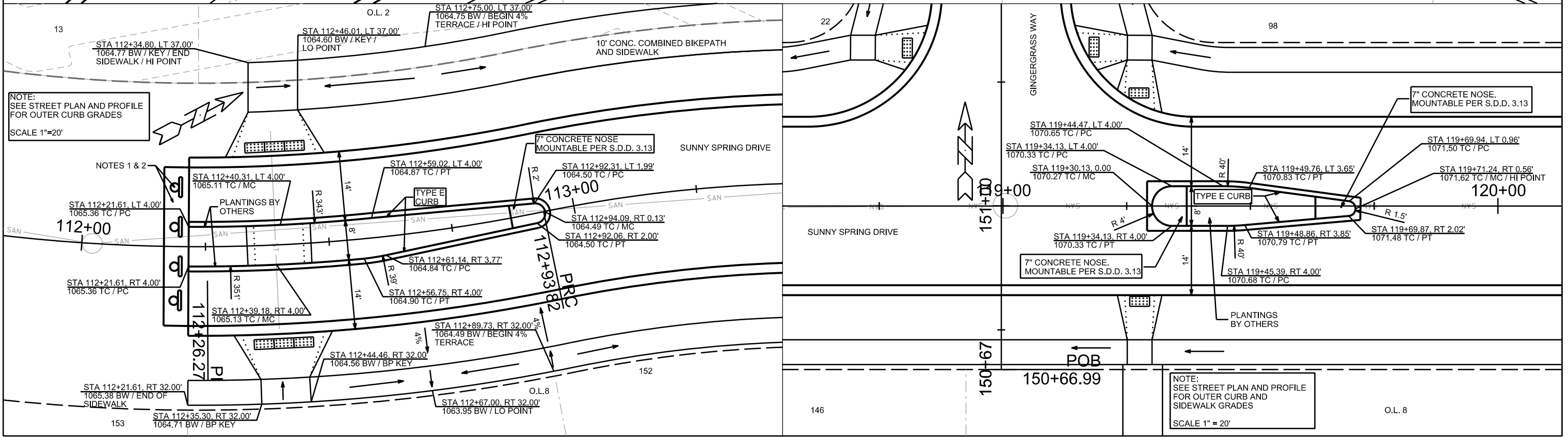
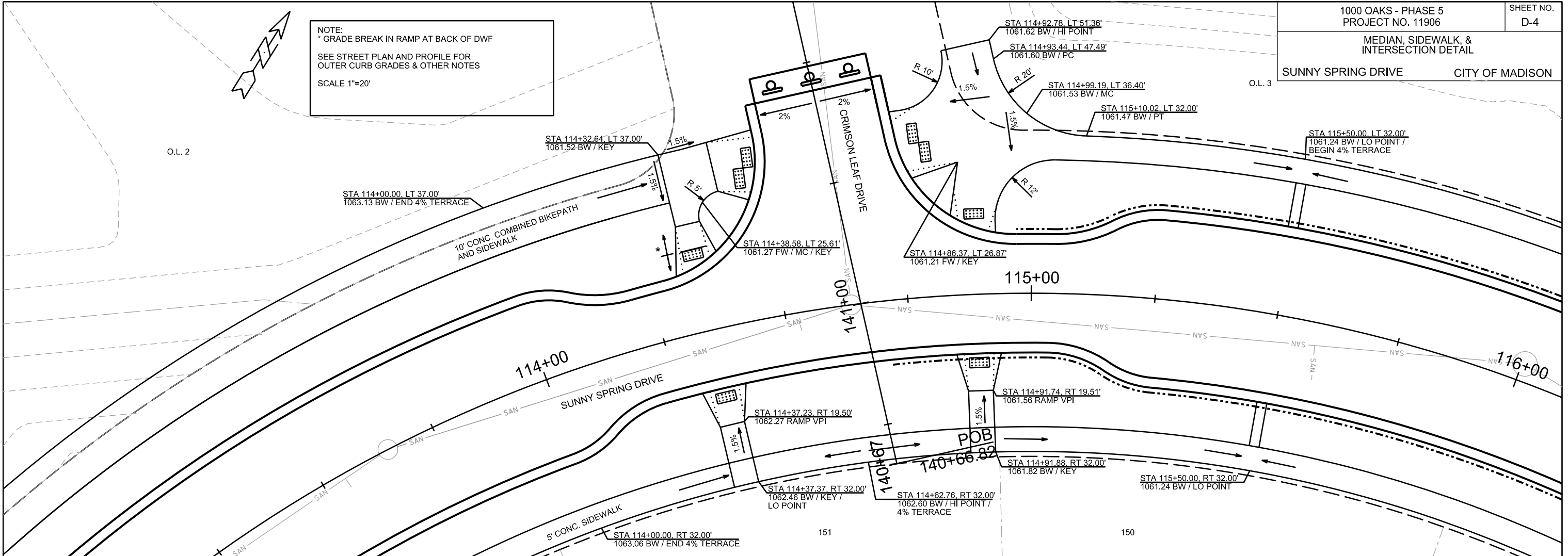
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

MEDIAN, SIDEWALK, &
INTERSECTION DETAIL
SUNNY SPRING DRIVE CITY OF MADISON

NOTE:
* GRADE BREAK IN RAMP AT BACK OF DWF
SEE STREET PLAN AND PROFILE FOR
OUTER CURB GRADES & OTHER NOTES
SCALE 1"=20'



NOTE:
SEE STREET PLAN AND PROFILE
FOR OUTER CURB GRADES
SCALE 1"=20'

NOTE:
SEE STREET PLAN AND PROFILE
FOR OUTER CURB AND
SIDEWALK GRADES
SCALE 1" = 20'

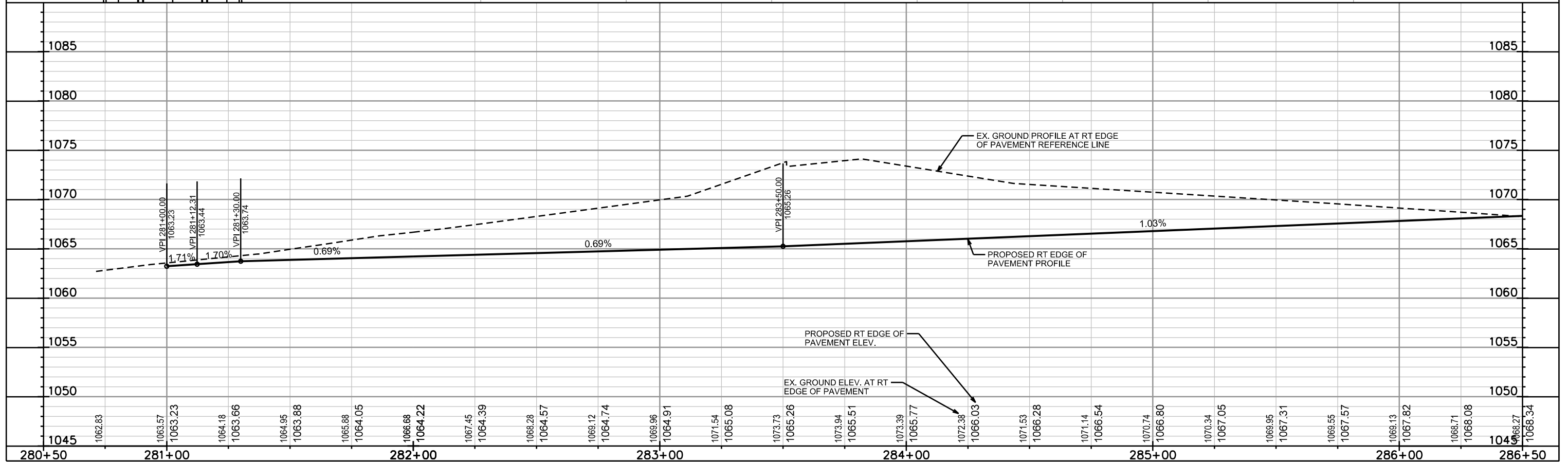
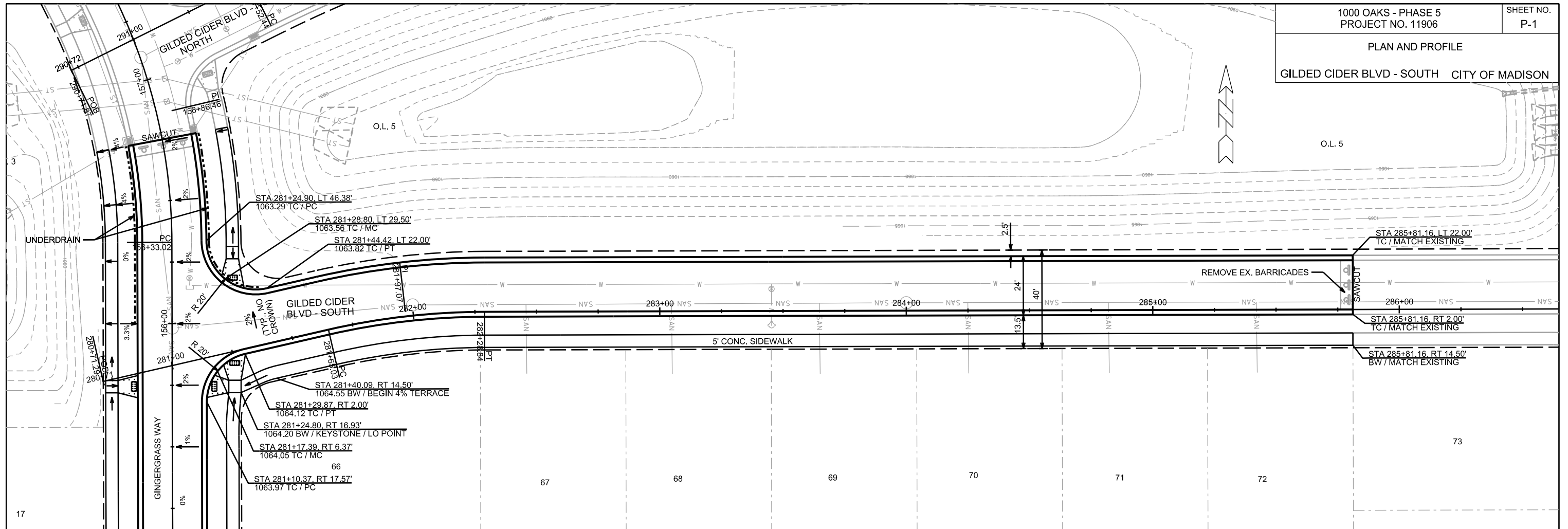
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
GILDED CIDER BLVD - SOUTH CITY OF MADISON



PLOT SCALE: _____

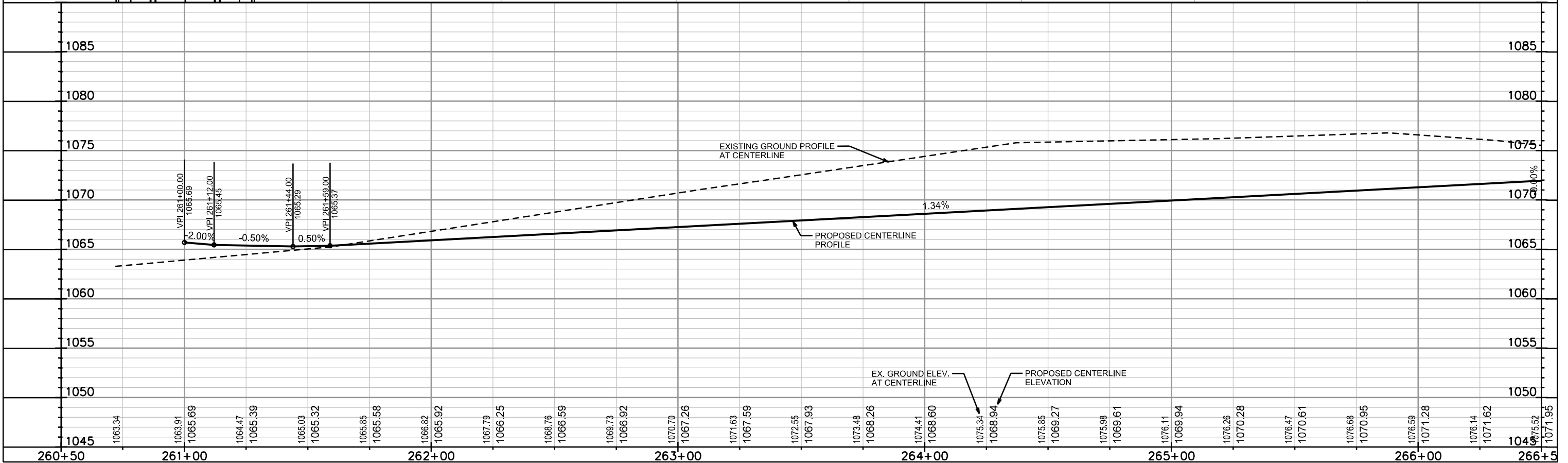
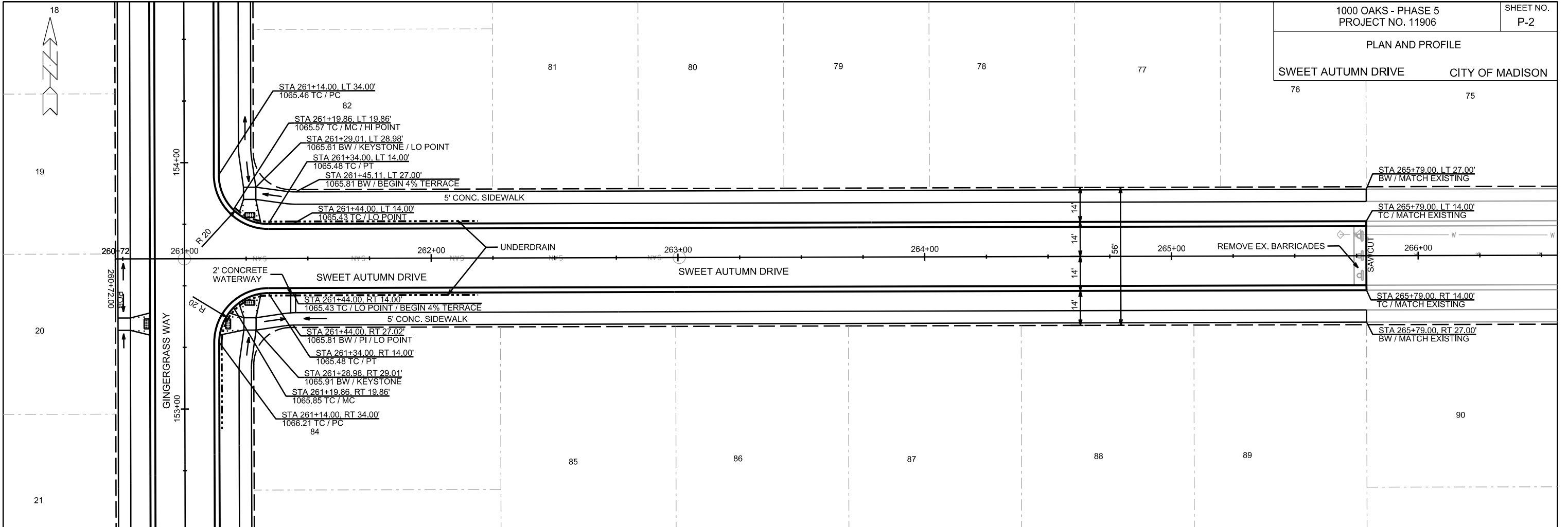
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

SWEET AUTUMN DRIVE CITY OF MADISON



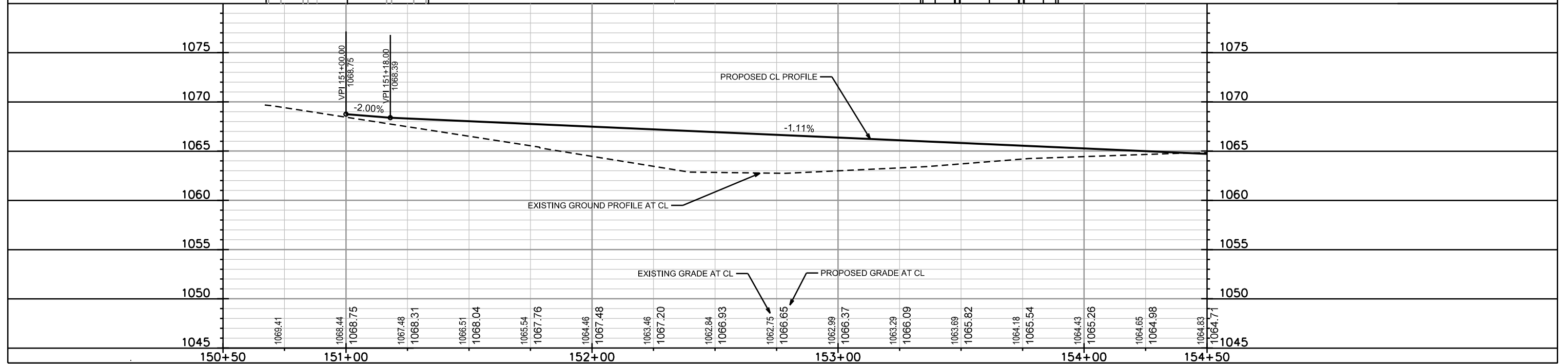
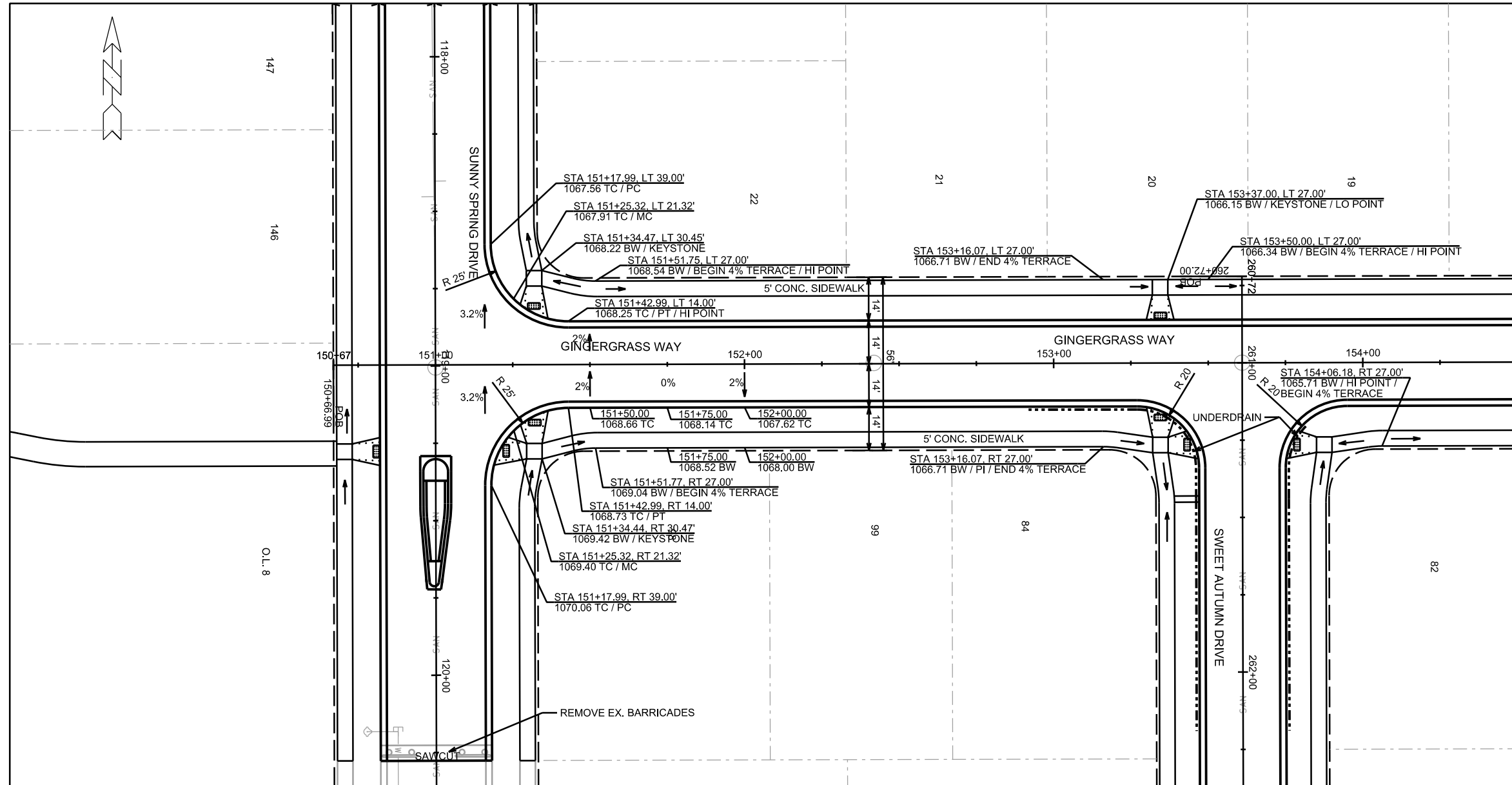
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
GINGERGRASS WAY CITY OF MADISON



PLOT SCALE:

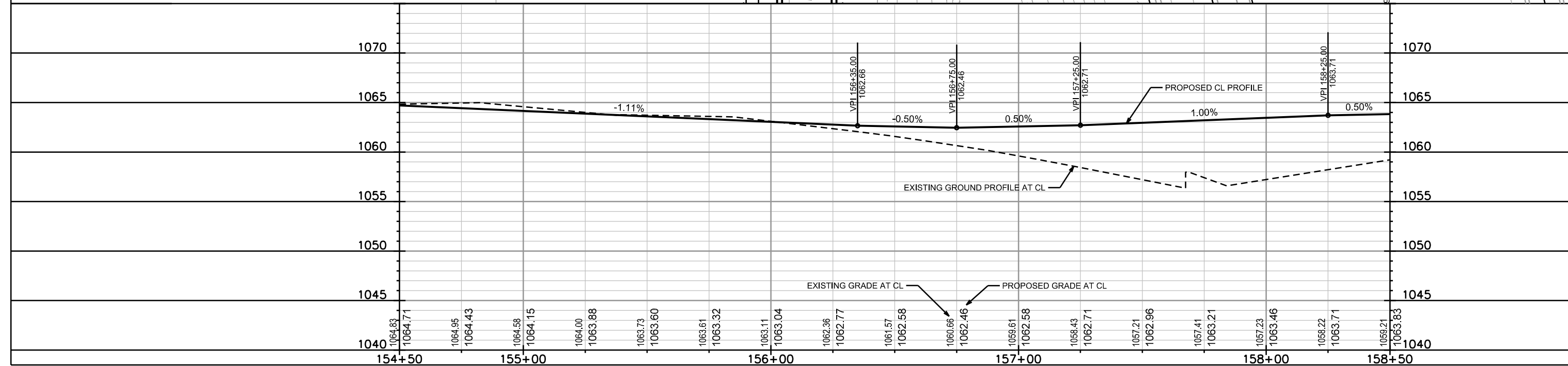
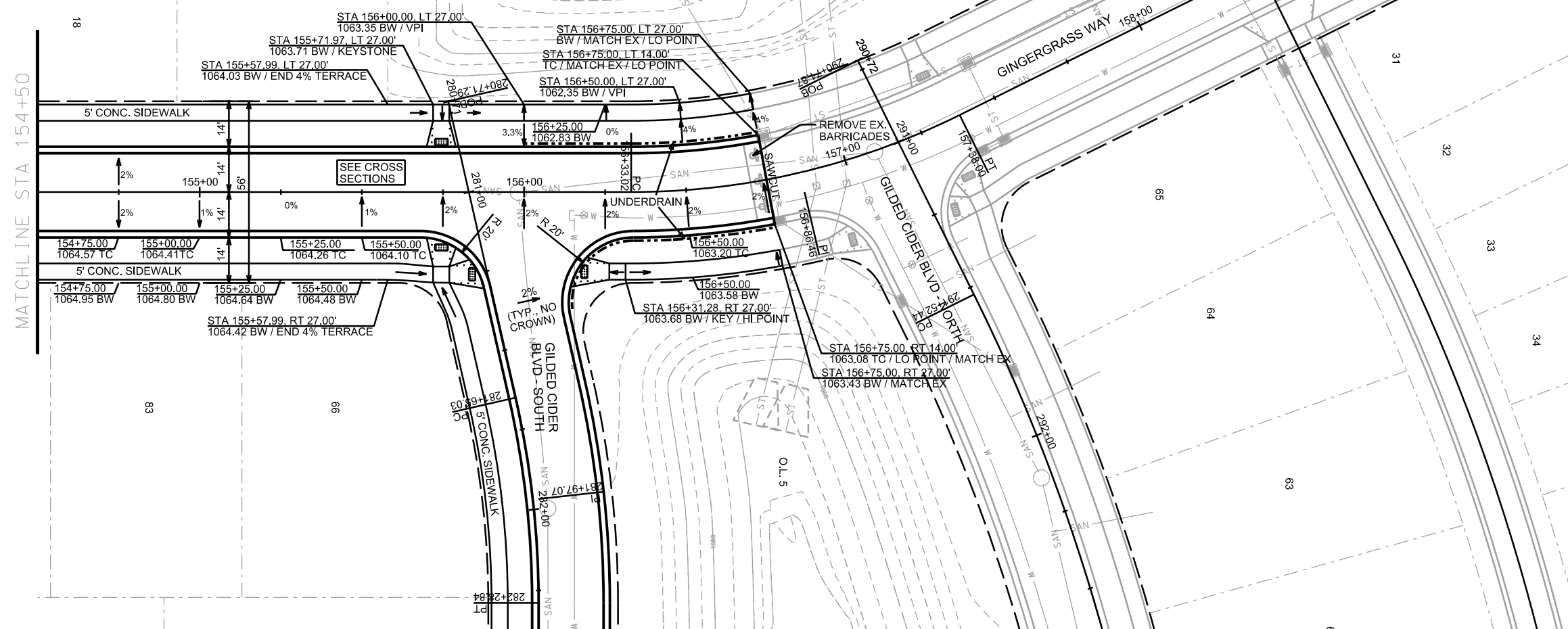
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

GINGERGRASS WAY CITY OF MADISON

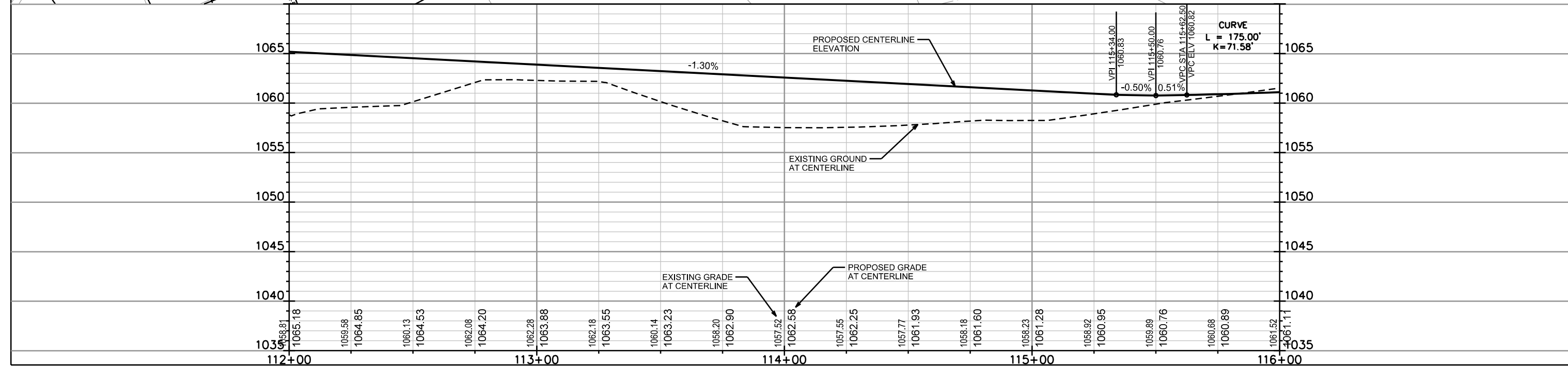
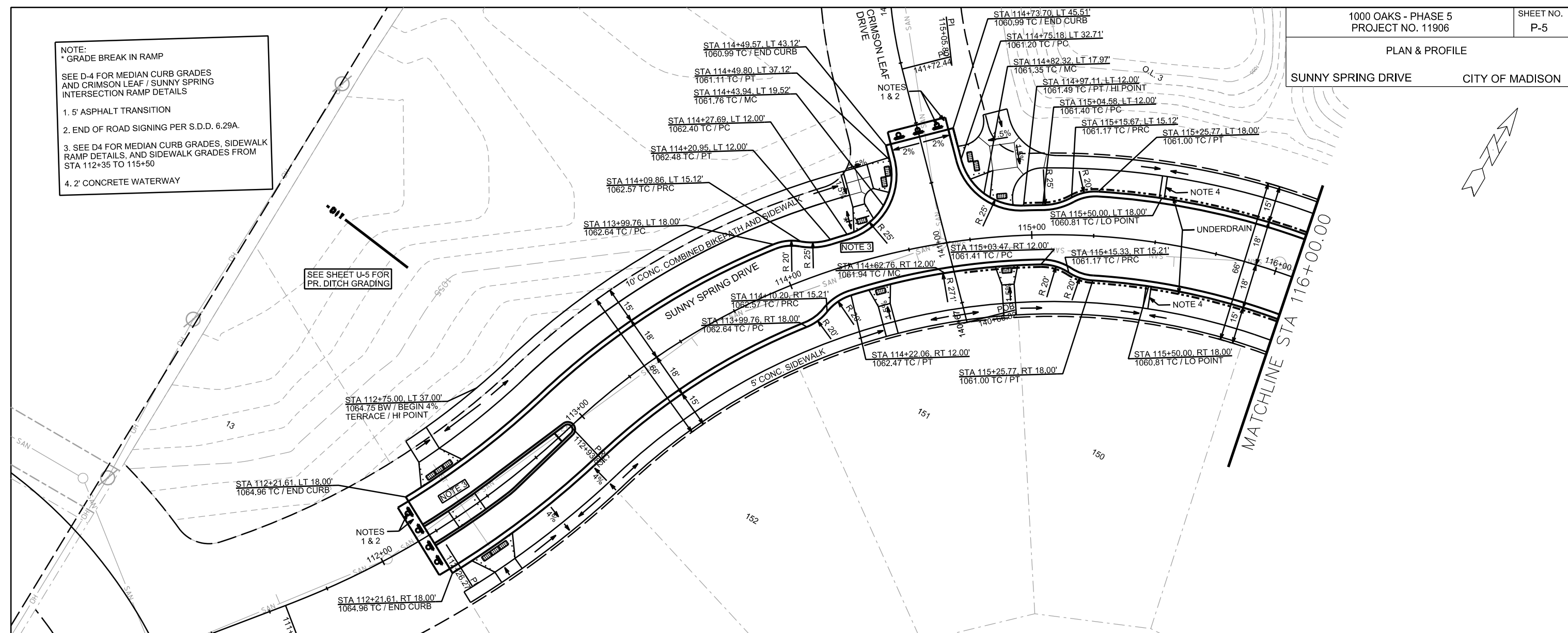


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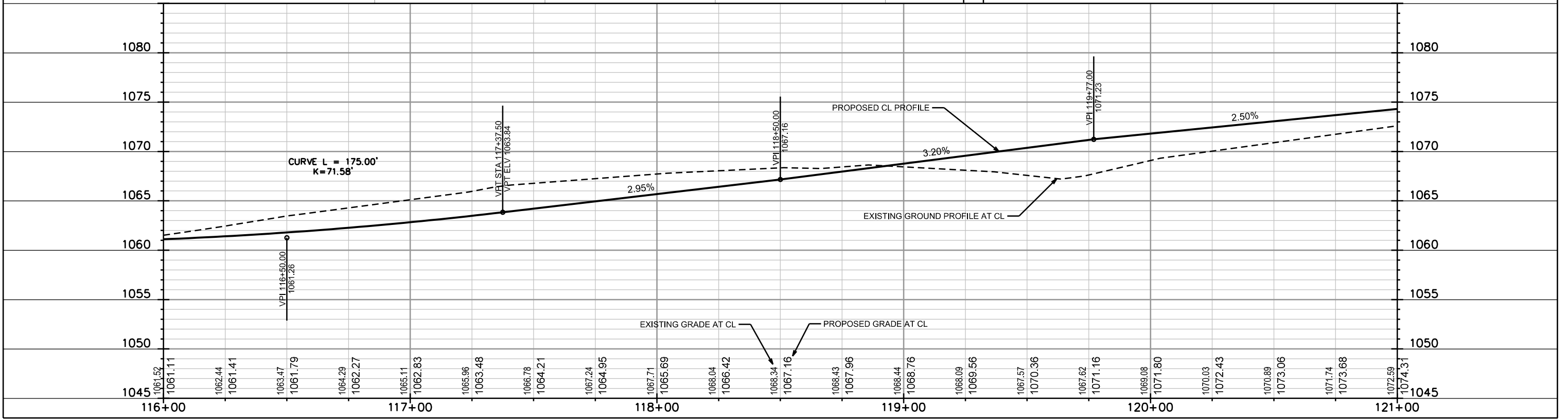
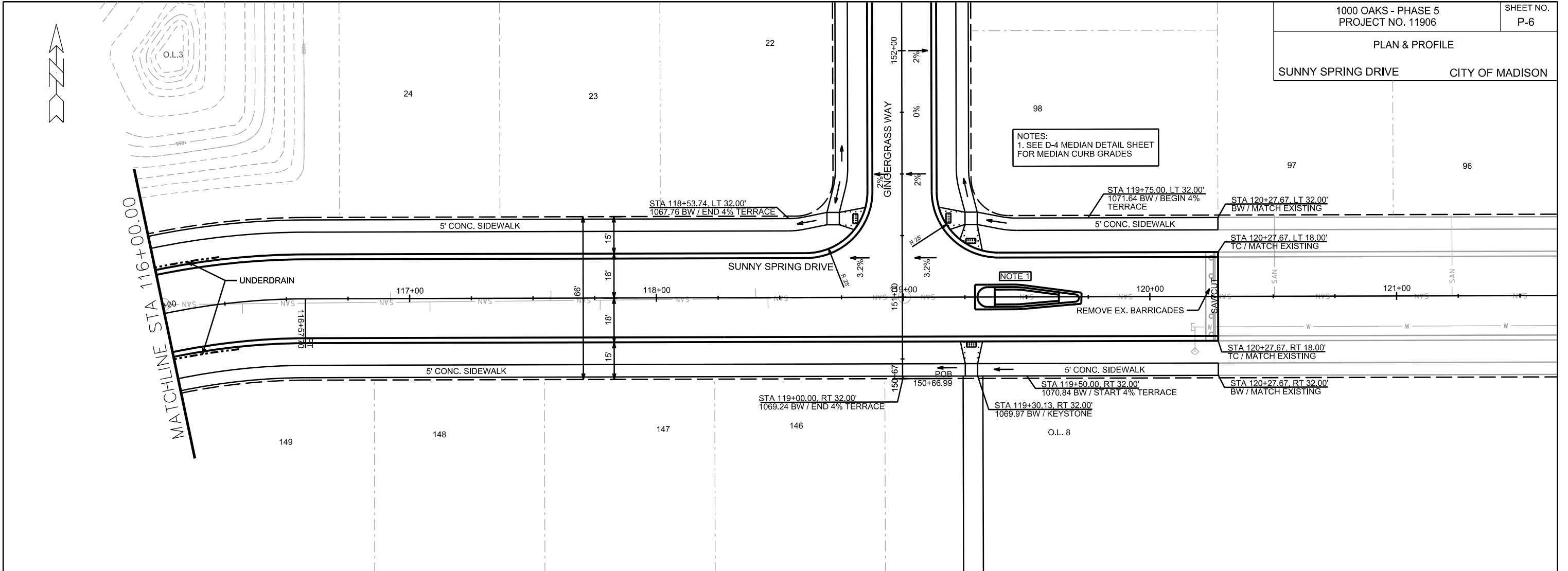
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN & PROFILE
SUNNY SPRING DRIVE CITY OF MADISON

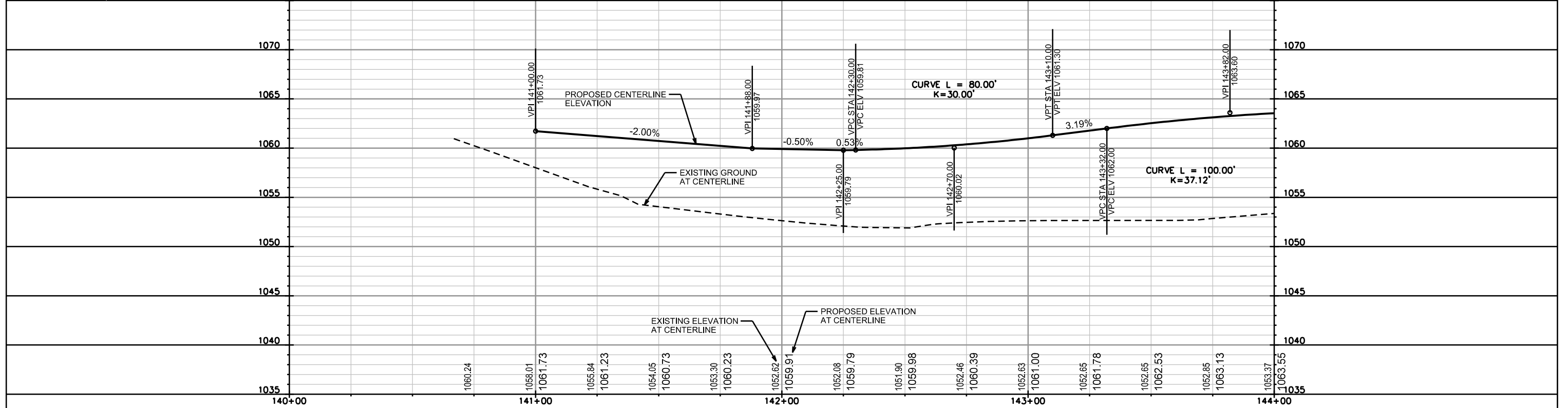
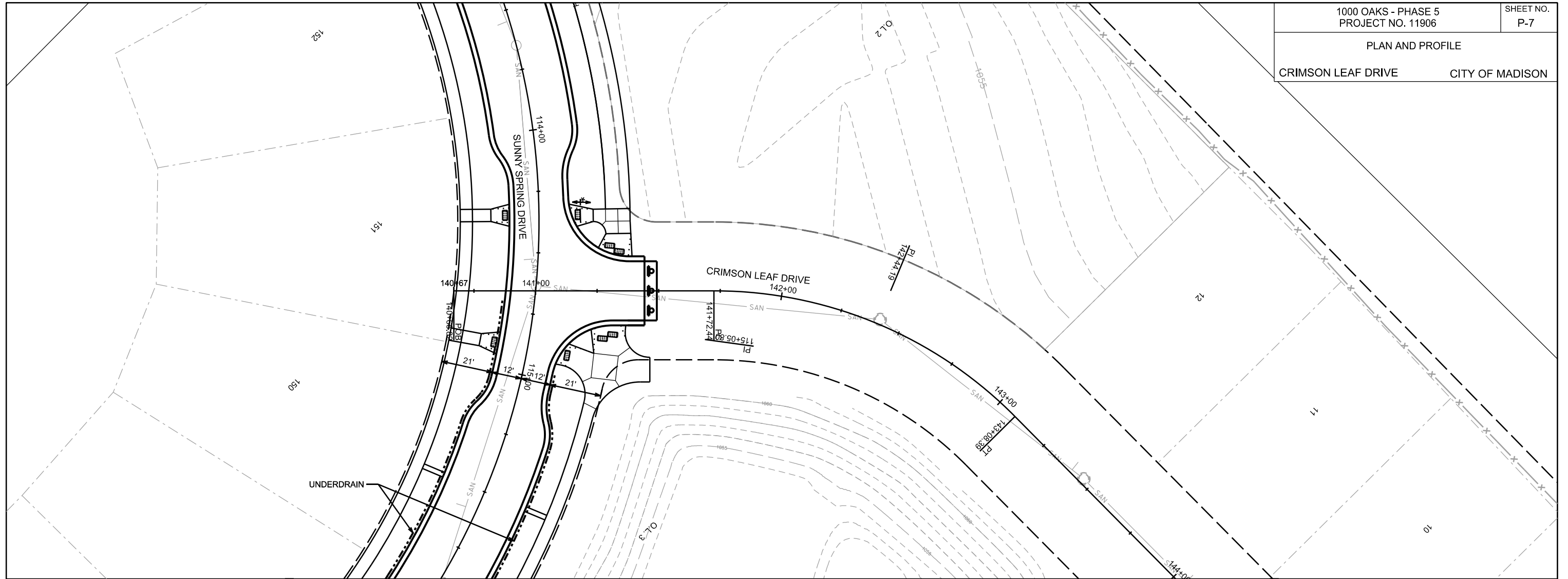
NOTE:
* GRADE BREAK IN RAMP
SEE D-4 FOR MEDIAN CURB GRADES AND CRIMSON LEAF / SUNNY SPRING INTERSECTION RAMP DETAILS
1. 5' ASPHALT TRANSITION
2. END OF ROAD SIGNING PER S.D.D. 6.29A.
3. SEE D4 FOR MEDIAN CURB GRADES, SIDEWALK RAMP DETAILS, AND SIDEWALK GRADES FROM STA 112+35 TO 115+50
4. 2' CONCRETE WATERWAY



PLAN & PROFILE
SUNNY SPRING DRIVE CITY OF MADISON



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

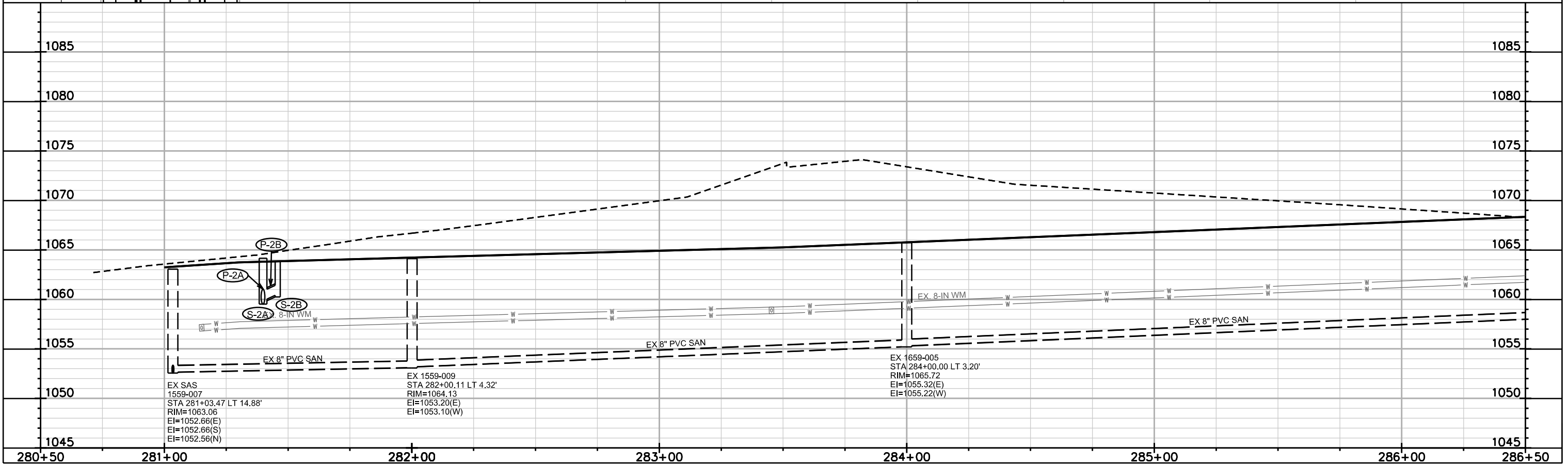
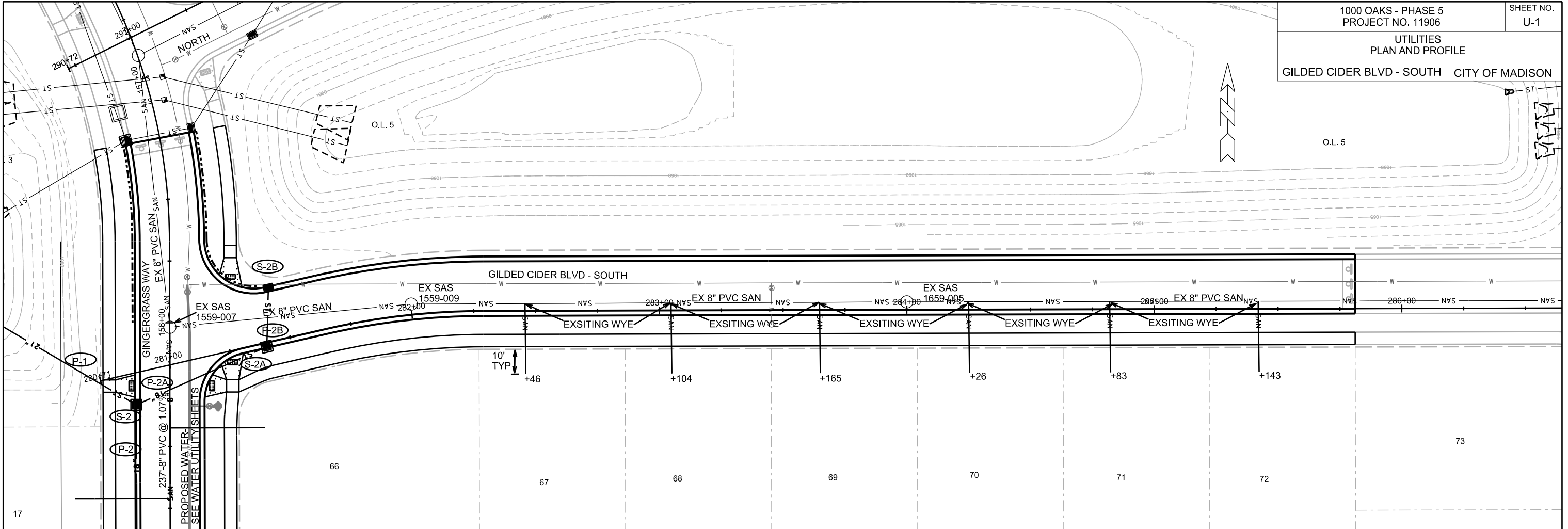


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



EX SAS
1559-007
STA 281+03.47 LT 14.88'
RIM=1063.06
EI=1052.66(E)
EI=1052.66(S)
EI=1052.56(N)

EX 1559-009
STA 282+00.11 LT 4.32'
RIM=1064.13
EI=1053.20(E)
EI=1053.10(W)

EX 1659-005
STA 284+00.00 LT 3.20'
RIM=1065.72
EI=1055.32(E)
EI=1055.22(W)

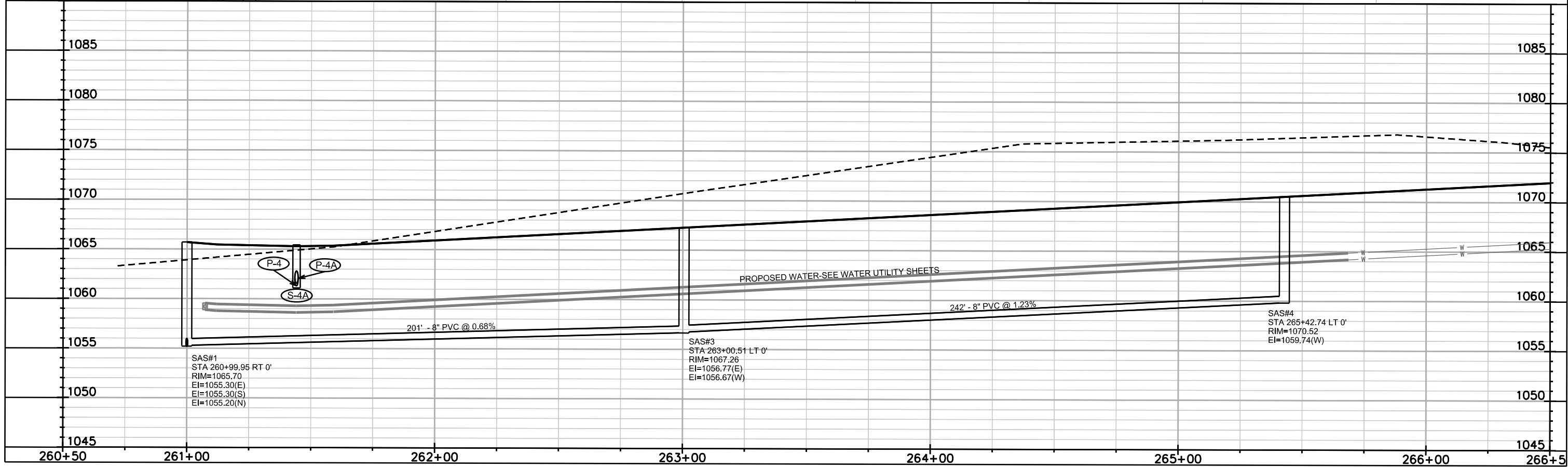
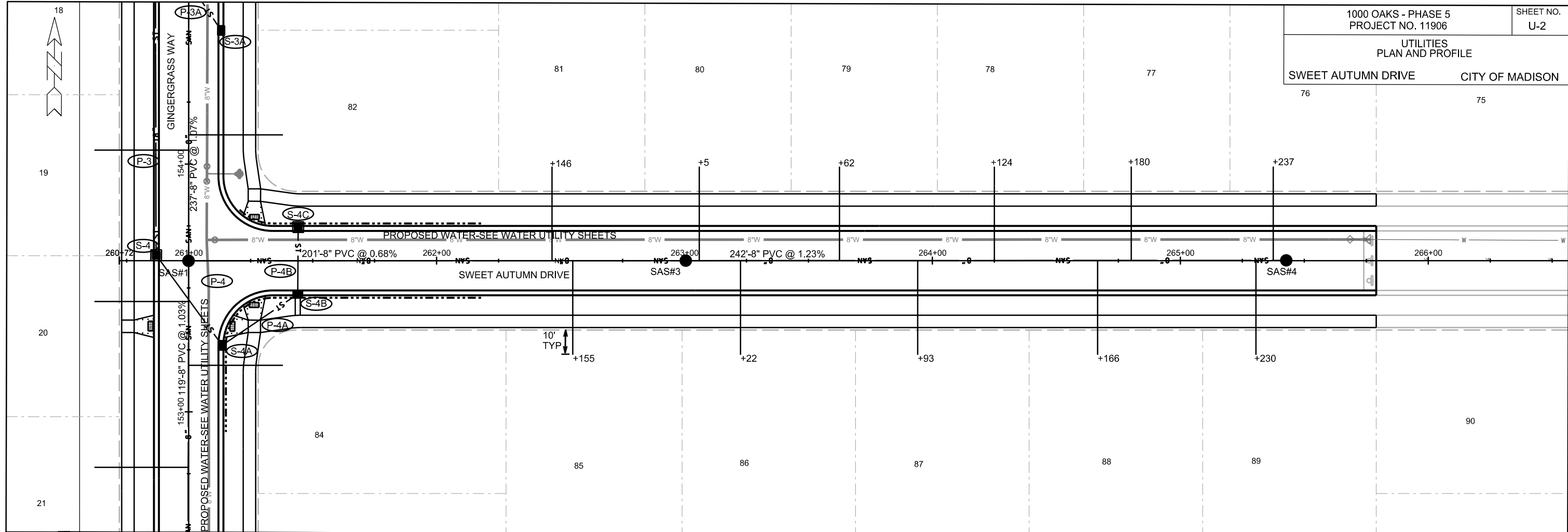
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES
PLAN AND PROFILE
SWEET AUTUMN DRIVE CITY OF MADISON

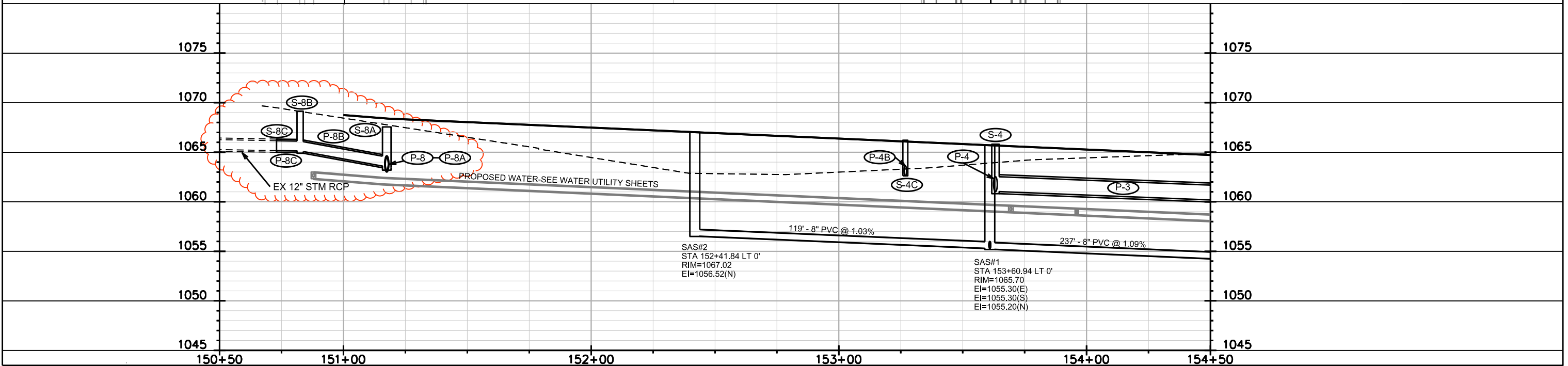
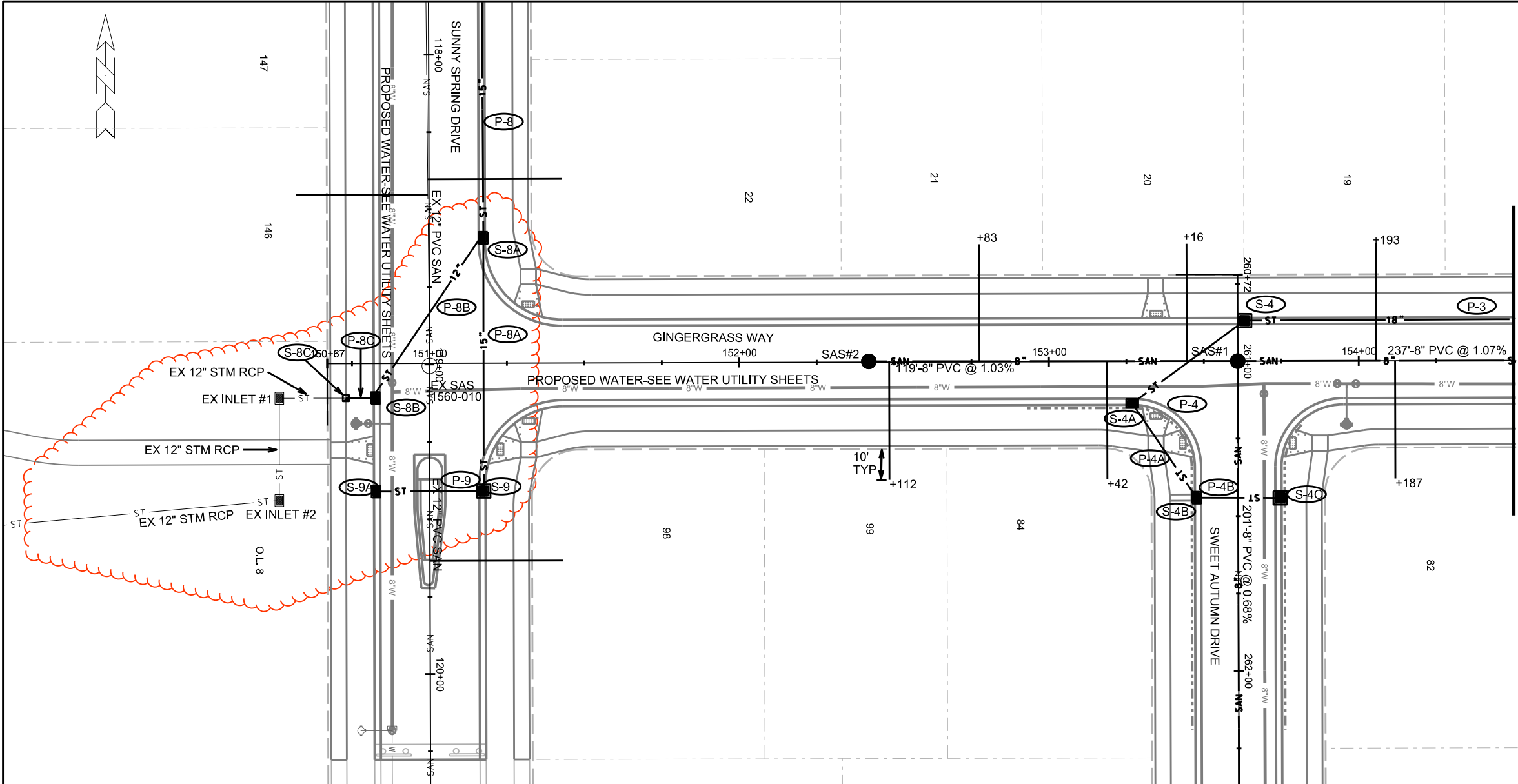


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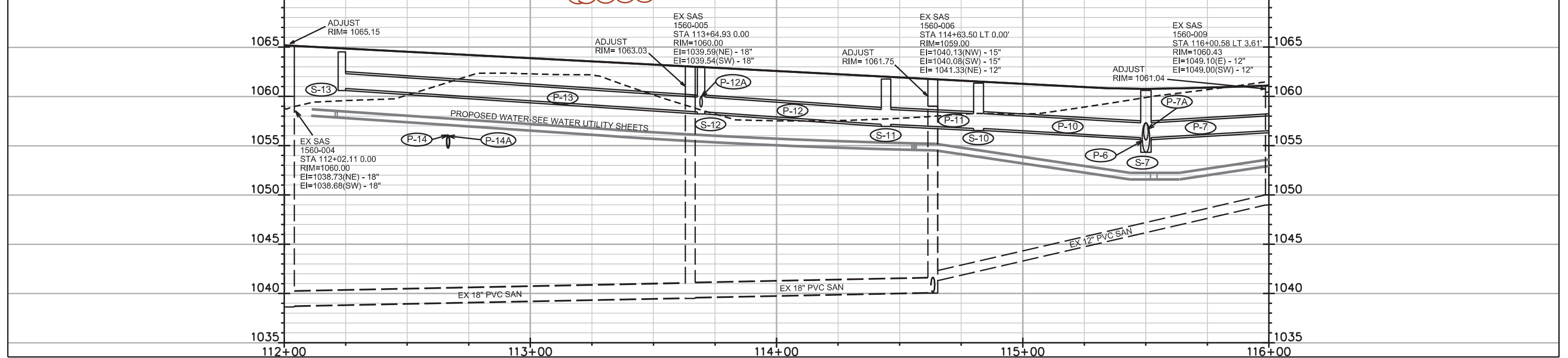
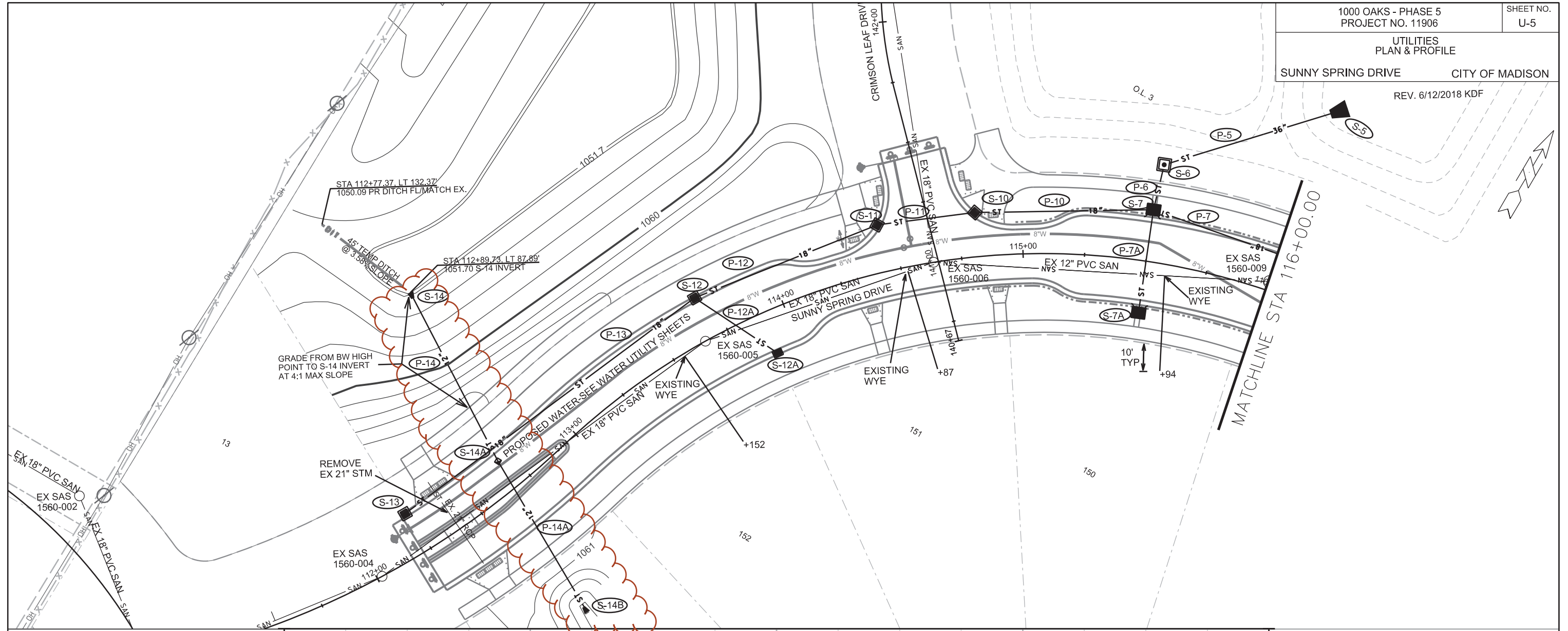


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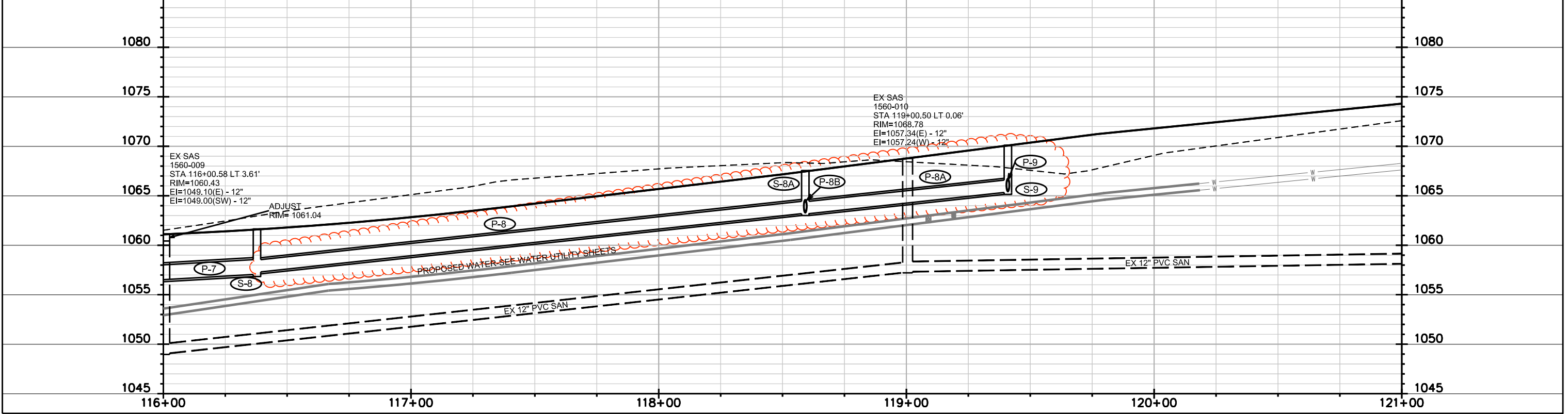
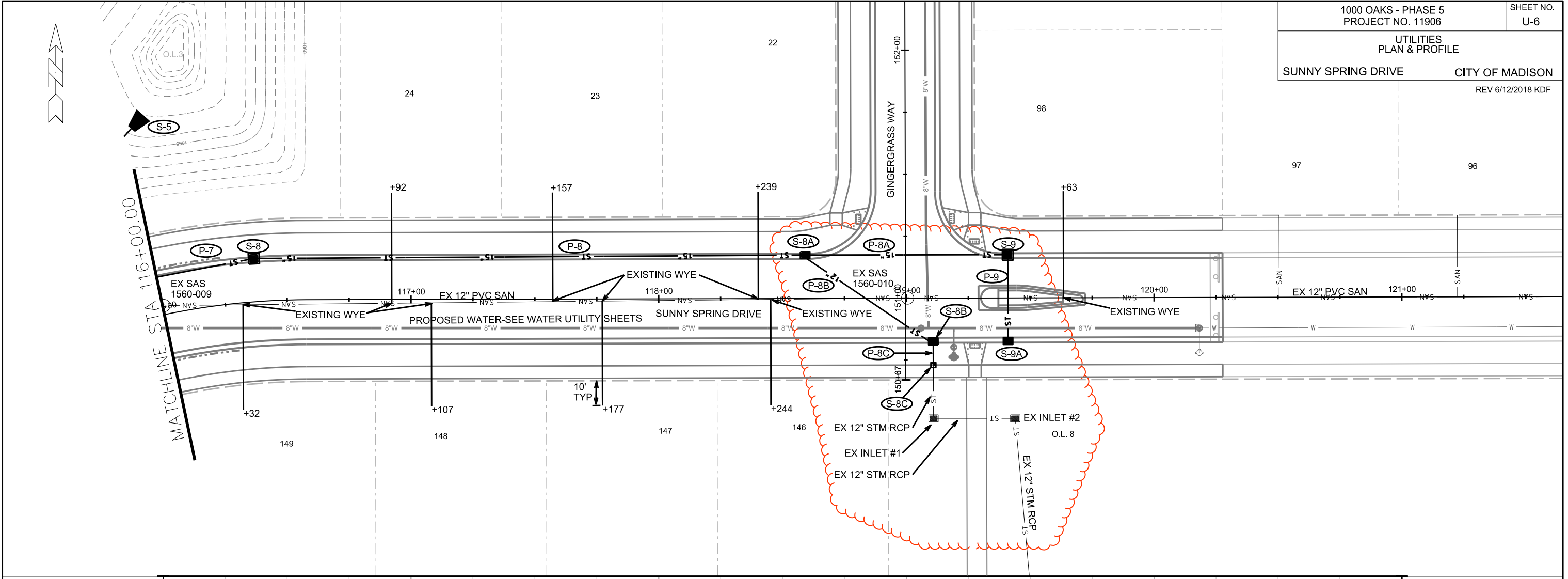


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PLOT SCALE: _____

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SANITARY SEWER SCHEDULE

FIRST ADD TO 1000 OAKS PH 5
PROJECT NO. 11906

SHEET NO.
U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
GINGERGRASS WAY						
SAS#1	153+60.94	CL	1065.70	1055.20	10.50	-
SAS#2	152+41.84	CL	1067.02	1056.52	10.50	-
SWEET AUTUMN DRIVE						
SAS#3	263+00.51	CL	1067.26	1056.67	10.59	-
SAS#4	265+42.74	CL	1070.52	1059.74	10.78	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX STUB	SAS#1	1052.66	1055.20	237	1.07%	8"	SDR-26	-
SAS#1	SAS#2	1055.30	1056.52	119	1.03%	8"	SDR-35	-
SAS#1	SAS#3	1055.30	1056.67	201	0.68%	8"	SDR-35	-
SAS#3	SAS#4	1056.77	1059.74	242	1.23%	8"	SDR-35	-

ADJUST SEWER ACCESS STRUCTURE

SAS NO.	STATION	LOCATION (OFFSET)	EXISTING RIM	PROPOSED RIM	NOTES
SUNNY SPRING DRIVE					
1560-004	112+02.11	CL	1060.00	1065.15	-
1560-005	113+64.93	CL	1060.00	1063.03	-
1560-006	114+63.50	CL	1059.00	1061.75	-
1560-009	116+00.58	LT-3.61	1060.43	1061.04	-

STORM SEWER SCHEDULE

*REV 6/12/2018 KDF

1000 OAKS -PHASE 5
PROJECT NO. 11906

SHEET NO.
U-STM

STORM SEWER SCHEDULE

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
GINGERGRASS WAY																		
S-1	155+98.71	LT-67.51	18" RCP APRON END	-	1054.00	-	W/ GATE	P-1	S-1	S-2	1054.00	1058.95	67	65	7.62%	21"	TYPE I	-
S-2	155+66.88	LT-13.50	3X3 SAS	1063.55	1058.95	4.60	W/ R-3067-7004-VB	P-2	S-2	S-3	1059.20	1059.77	73	70	0.81%	18"	TYPE I	-
S-3	154+93.60	LT-13.50	3X3 SAS	1064.37	1059.77	4.60	W/ R-3067-7004-VB	P-2A	S-2	S-2A	1059.20	1059.52	58	55	0.58%	18"	TYPE I	-
S-3A	154+53.94	RT-13.50	H INLET	1064.81	1061.21	3.60	W/ R-3067-7004-VB	P-2B	S-2A	S-2B	1060.02	1060.42	24	21	1.90%	12"	TYPE I	-
S-4	153+63.22	LT-13.50	3X3 SAS	1065.81	1061.02	4.79	W/ R-3067-7004-VB	P-3	S-3	S-4	1059.77	1061.02	130	127	0.98%	18"	TYPE I	-
S-4A	153+26.83	RT-13.50	3X3 SAS	1066.21	1061.27	4.94	W/ R-3067-7004-VB	P-3A	S-3	S-3A	1060.27	1061.21	48	44	2.14%	12"	TYPE I	-
								P-4	S-4	S-4A	1061.02	1061.27	45	42	0.60%	18"	TYPE I	-
								P-4A	S-4A	S-4B	1061.52	1061.72	37	34	0.59%	15"	TYPE I	-
								P-4B	S-4B	S-4C	1061.97	1062.12	27	25	0.60%	12"	TYPE I	-
																	TYPE I	-
								P-5	S-5	S-6	1053.00	1054.23	78	76	1.62%	36"	TYPE I	-
S-2A	281+33.64	RT-1.50	H INLET	1064.15	1059.52	4.63	W/ R-3067-7004-VB	P-6	S-6	S-7	1054.23	1054.32	19	15	0.60%	36"	TYPE I	-
S-2B	281+45.92	LT-21.50	3X3 SAS	1063.82	1060.42	3.40	W/ R-3067-7004-VB	P-7	S-7	S-8	1055.82	1057.05	93	90	1.37%	18"	TYPE I	-
								P-7A	S-7	S-7A	1055.57	1055.81	42	39	0.62%	21"	TYPE I	-
								* P-8	S-8	S-8A	1057.30	1063.19	222.5	219.6	2.68%	15"	TYPE I	-
								* P-8A	S-8A	S-9	1063.19	1065.33	82	78.8	2.72%	15"	TYPE I	-
								* P-8B	S-8A	S-8B	1063.44	1065.12	62.5	60.5	2.78%	12"	TYPE I	-
S-4B	261+44.00	RT-13.50	H INLET	1065.43	1061.72	3.71	LP; W/ R-3067-7004-V; (1)	* S-8C	S-8B	S-8C	1065.12	1065.16	10	8.5	0.50%	12"	TYPE I	-
S-4C	261+44.00	LT-13.50	H INLET	1065.43	1062.12	3.31	LP; W/ R-3067-7004-V; (1)	P-9	S-9	S-9A	1065.58	1066.33	35	32	2.34%	12"	TYPE I	-
								P-10	S-9	S-10	1055.82	1056.75	73	68	1.37%	18"	TYPE I	-
								P-11	S-10	S-11	1056.75	1057.16	40	36	1.14%	18"	TYPE I	-
								P-12	S-11	S-12	1057.16	1058.43	80	76	1.67%	18"	TYPE I	-
								P-12A	S-12	S-12A	1058.93	1059.17	41	38	0.63%	12"	TYPE I	-
								P-13	S-12	S-13	1058.43	1060.80	147	144	1.65%	18"	TYPE I	-
								* P-14	S-14	S-14A	1051.70	1054.00	77	77	2.99%	12"	TYPE II	-
								* P-14A	S-14A	S-14B	1054.00	1059.00	71	71	7.04%	12"	TYPE II	-
SUNNY SPRING DRIVE																		
S-5	116+06.42	LT-80.50	36" RCP APRON END	-	1053.00	-	W/ GATE											
S-6	115+51.45	LT-39.80	4X4 SAS	1060.35	1054.23	6.12	W/ R-1550											
S-7	115+50.00	LT-21.00	TERRACE INLET TYPE II	1060.61	1054.32	6.29	LP											
S-7A	115+50.00	RT-21.00	TERRACE INLET TYPE II	1060.61	1055.81	4.80	LP; W/ R-3067-7004-V; (1)											
S-8	116+37.81	LT-17.50	3X3 SAS	1061.65	1057.05	4.60	W/ R-3067-7004-VB											
* S-8A	118+59.17	LT-17.50	H INLET	1067.55	1063.19	4.36	W/ R-3067-7004-V											
* S-8B	119+10.83	RT-17.50	H INLET	1069.14	1065.12	4.02	W/ R-3067-7004-V											
* S-8C	119+10.83	RT-27.00	COLLAR	-	1065.16	-	-											
S-9	119+40.17	LT-17.50	3X3 SAS	1070.11	1065.33	4.78	W/ R-3067-7004-VB											
S-9A	119+40.17	RT-17.50	H INLET	1070.11	1066.33	3.78	W/ R-3067-7004-VB											
S-10	114+82.06	LT-17.90	3X3 SAS	1061.35	1056.75	4.60	W/ R-3067-7004-VB											
S-11	114+44.48	LT-19.30	3X3 SAS	1061.76	1057.16	4.60	W/ R-3067-7004-VB											
S-12	113+69.35	LT-17.50	3X3 SAS	1063.03	1058.43	4.60	W/ R-3067-7004-VB											
S-12A	113+89.84	RT-17.50	H INLET	1062.77	1059.17	3.60	W/ R-3067-7004-VB											
S-13	112+23.44	LT-17.50	3X3 SAS	1064.93	1060.80	4.13	W/ R-3067-7004-VB											
* S-14	112+89.73	LT-87.89	12" RCP AE & COLLAR	-	1051.70	-	W/ GATE											
S-14A	112+68.54	LT-12.76	PIPE GRADE BREAK	-	1054.00	-	MAC WRAP 3 PIPE JOINTS											
* S-14B	112+59.17	RT-58.05	12" RCP AE & COLLAR	-	1059.00	-	W/ GATE											

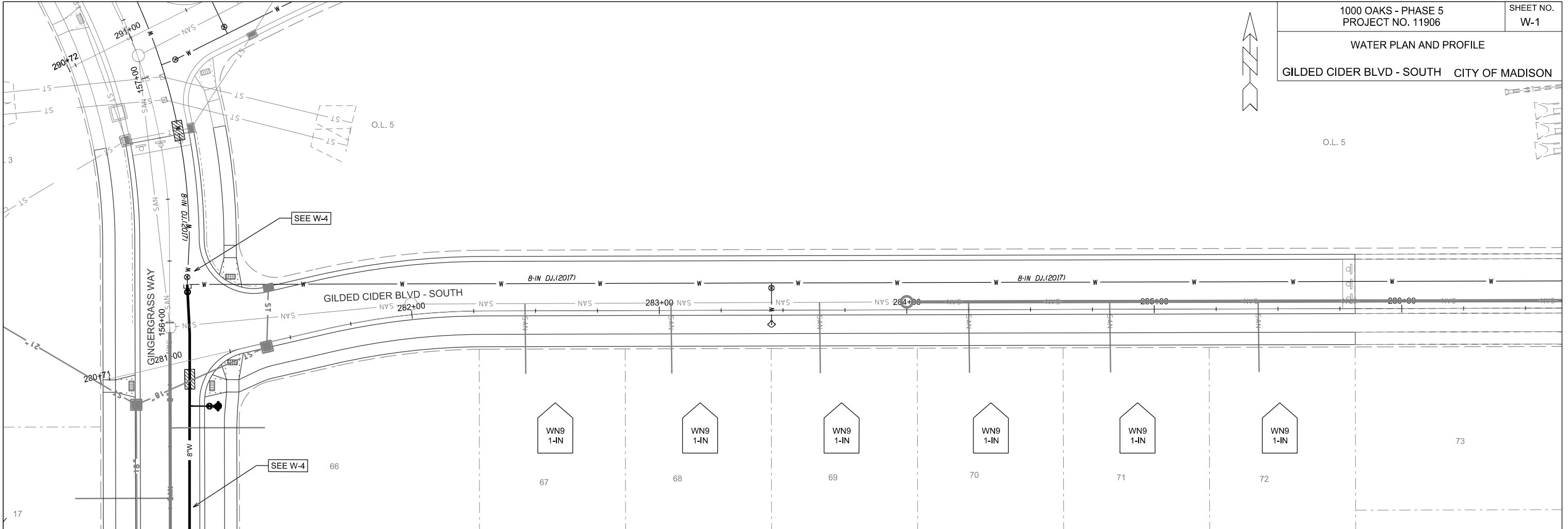
SPECIFIC NOTES

(1) SEE CITY OF MADISON SDD 5.7.7A

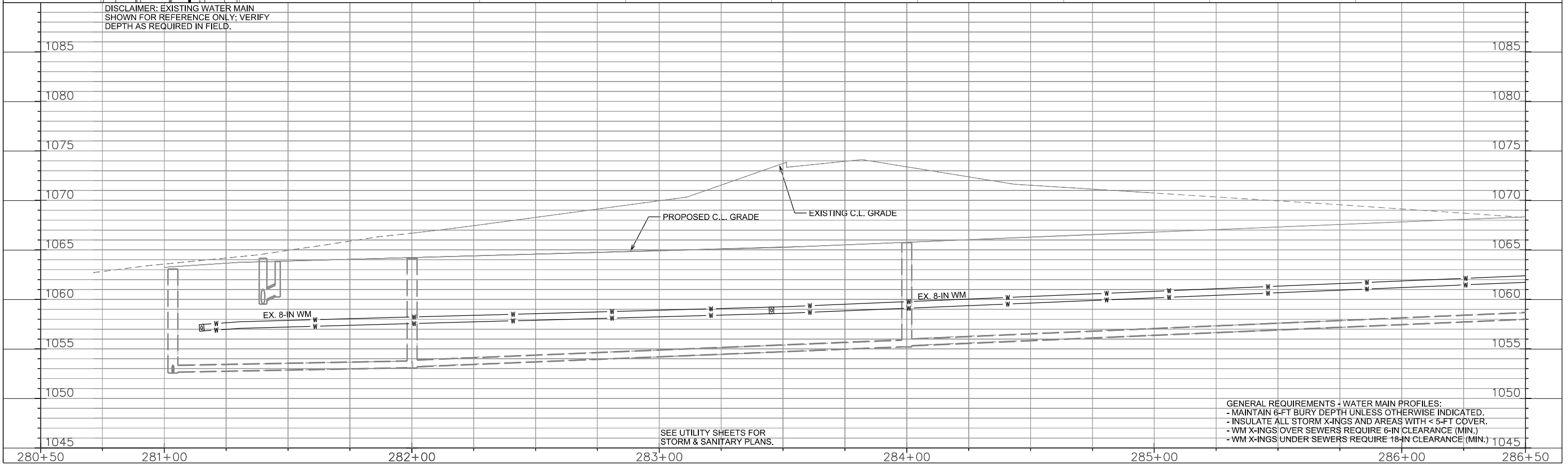
STANDARD NOTES:

- 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
GILDED CIDER BLVD - SOUTH CITY OF MADISON



DISCLAIMER: EXISTING WATER MAIN SHOWN FOR REFERENCE ONLY; VERIFY DEPTH AS REQUIRED IN FIELD.



SEE UTILITY SHEETS FOR STORM & SANITARY PLANS.

- 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.)

PLOT SCALE: _____

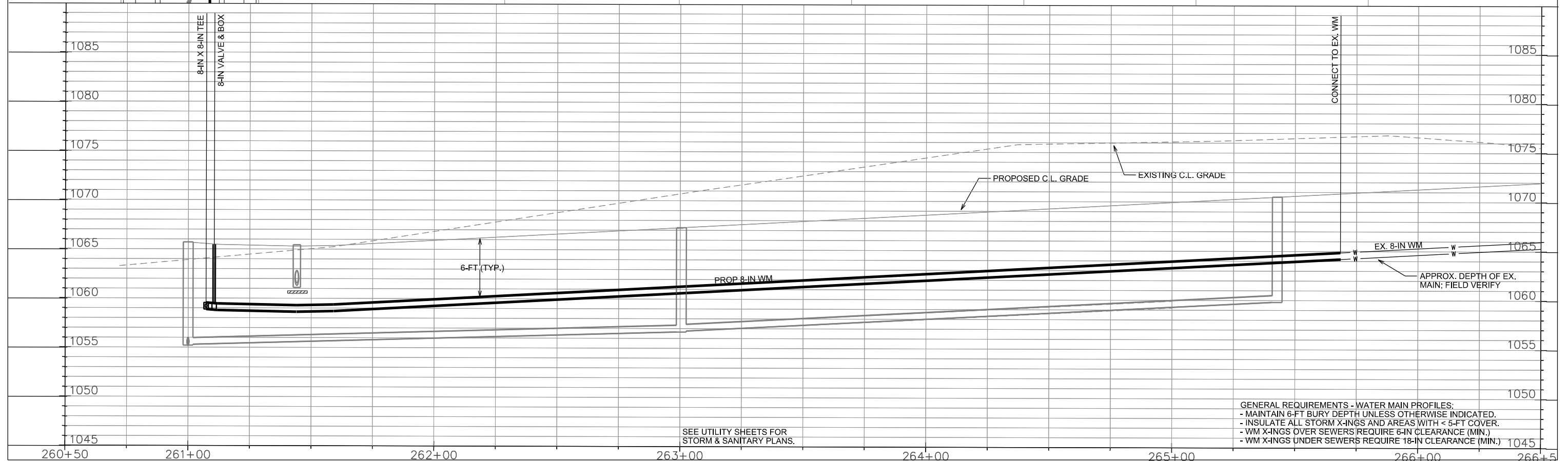
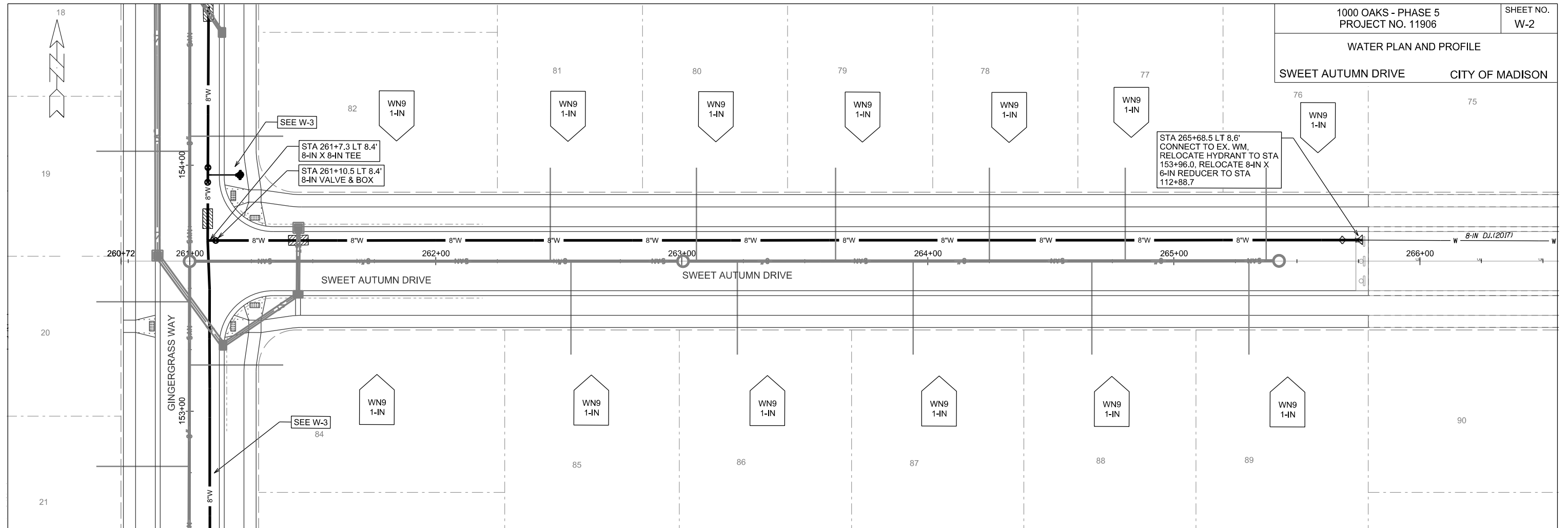
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

SWEET AUTUMN DRIVE CITY OF MADISON

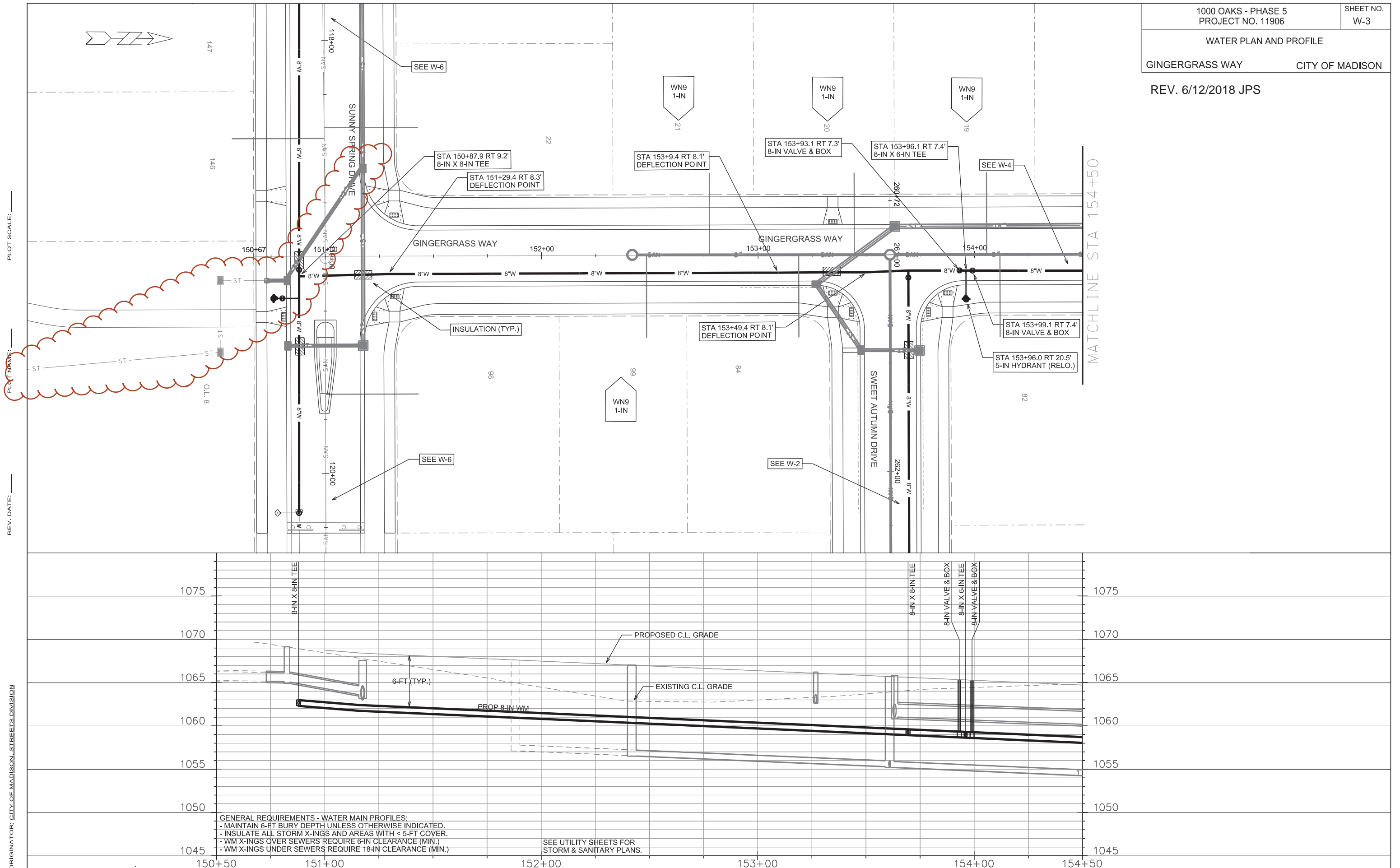


GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



GENERAL REQUIREMENTS - WATER MAIN PROFILES:
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 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

SEE UTILITY SHEETS FOR
STORM & SANITARY PLANS.

PLOT SCALE:

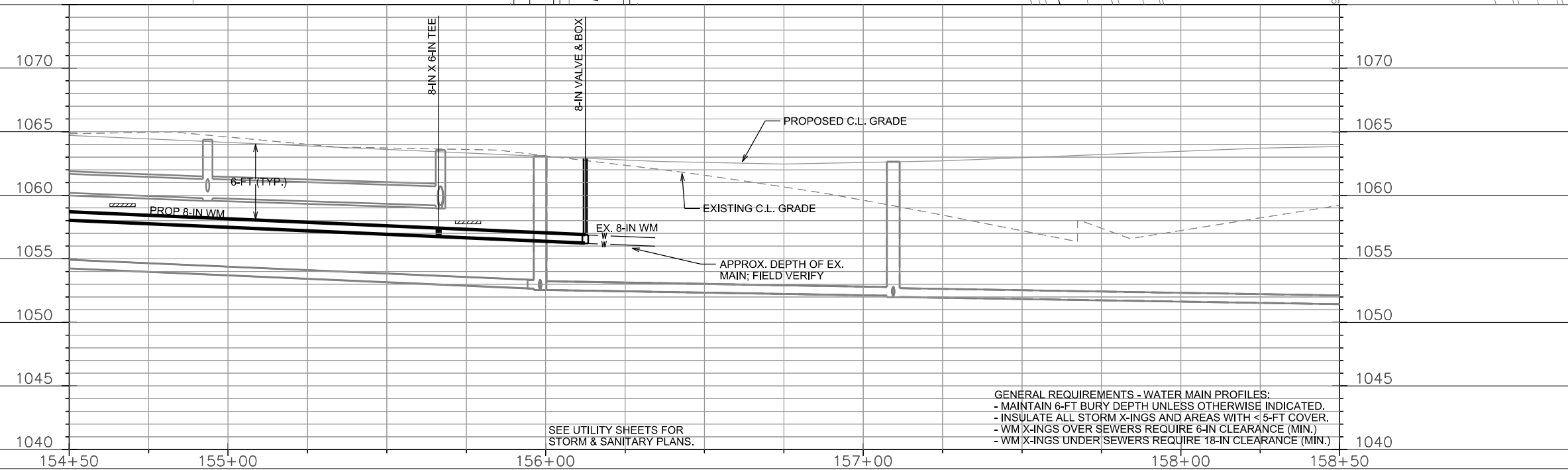
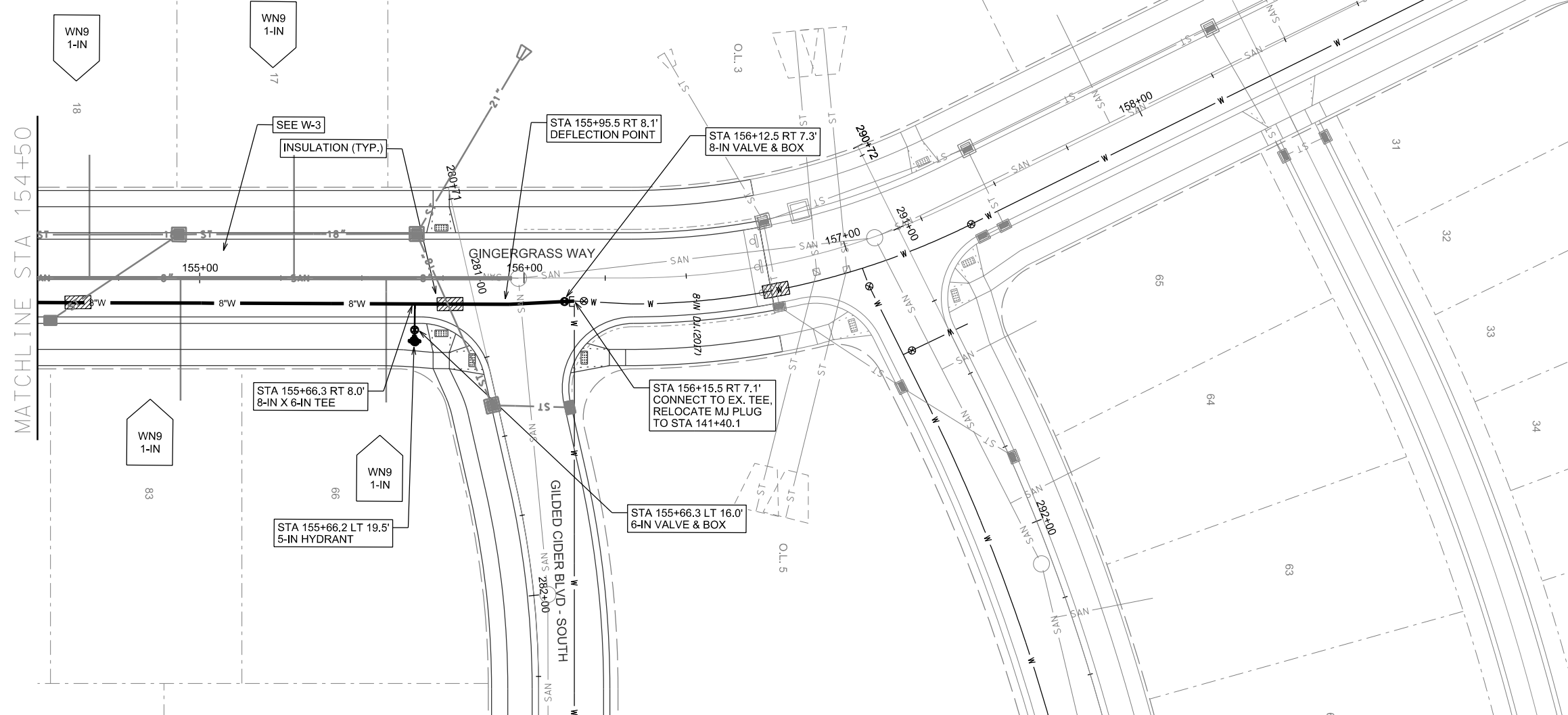
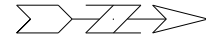
PLT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

GINGERGRASS WAY CITY OF MADISON

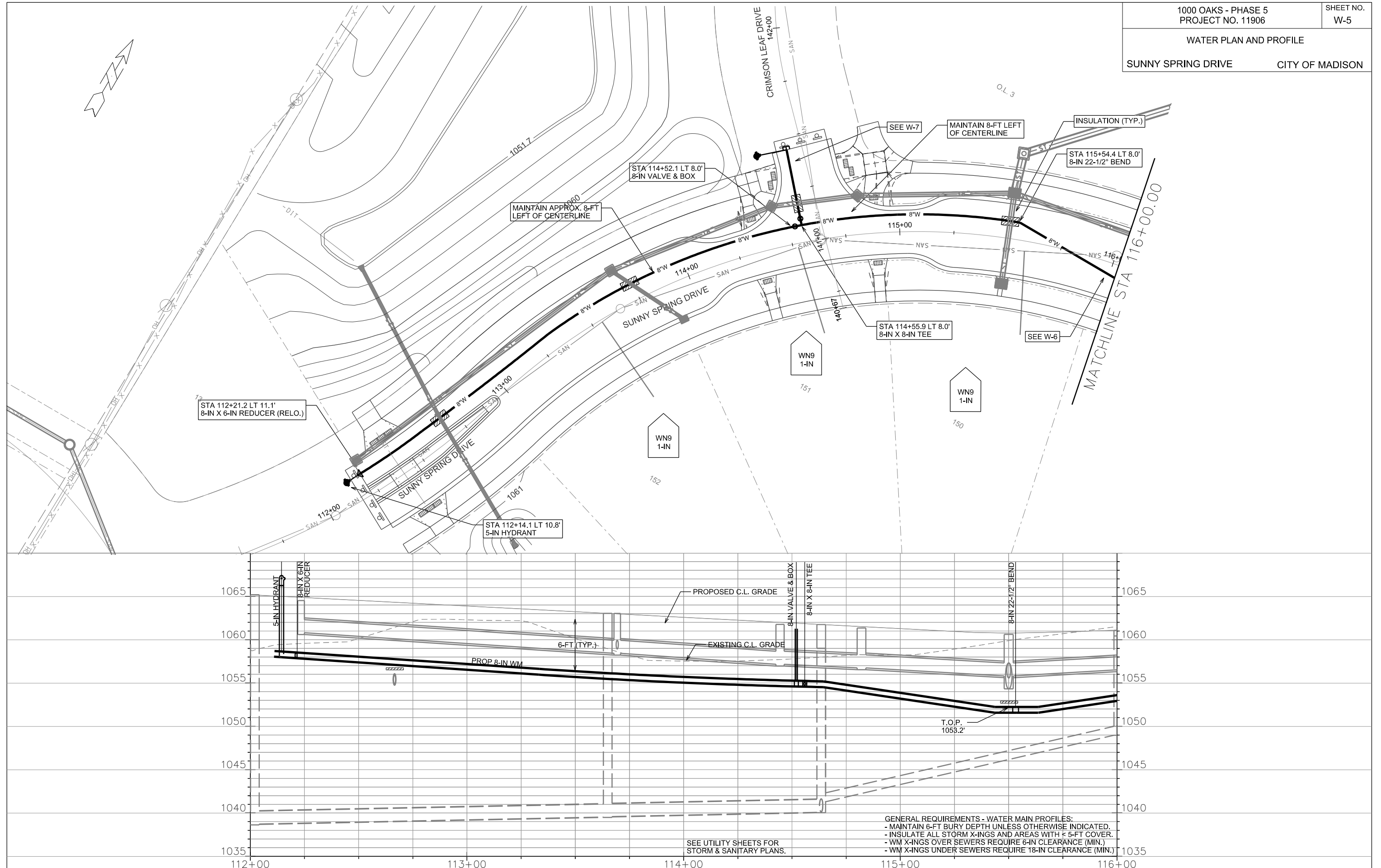


PLOT SCALE: 40' = 1"

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON WATER UTILITY



STA 112+21.2 LT 11.1'
8-IN X 6-IN REDUCER (RELO.)

STA 112+14.1 LT 10.8'
5-IN HYDRANT

STA 114+52.1 LT 8.0'
8-IN VALVE & BOX

STA 114+55.9 LT 8.0'
8-IN X 8-IN TEE

STA 115+54.4 LT 8.0'
8-IN 22-1/2° BEND

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.)

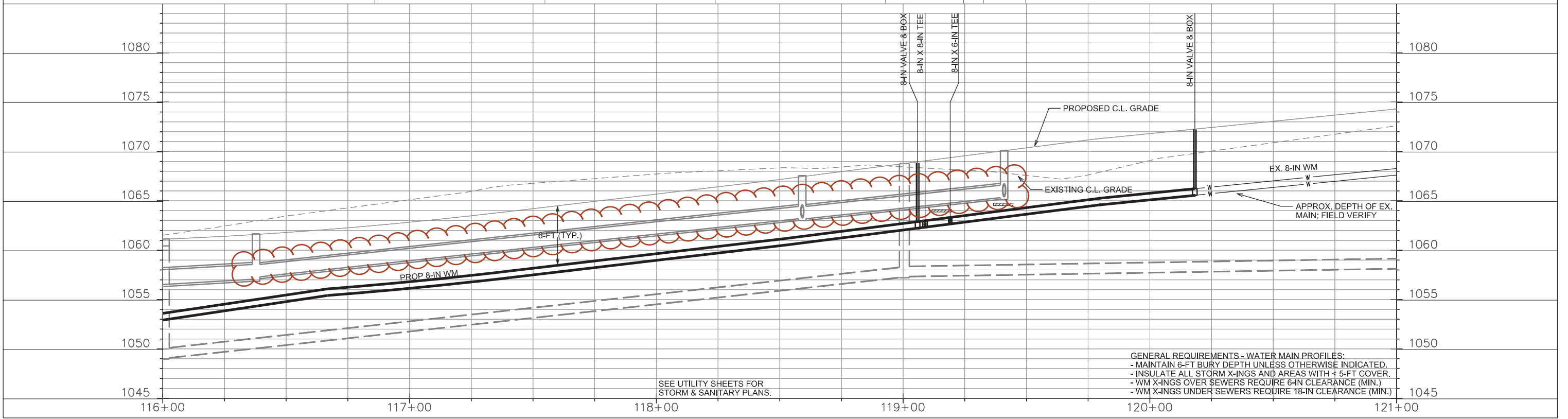
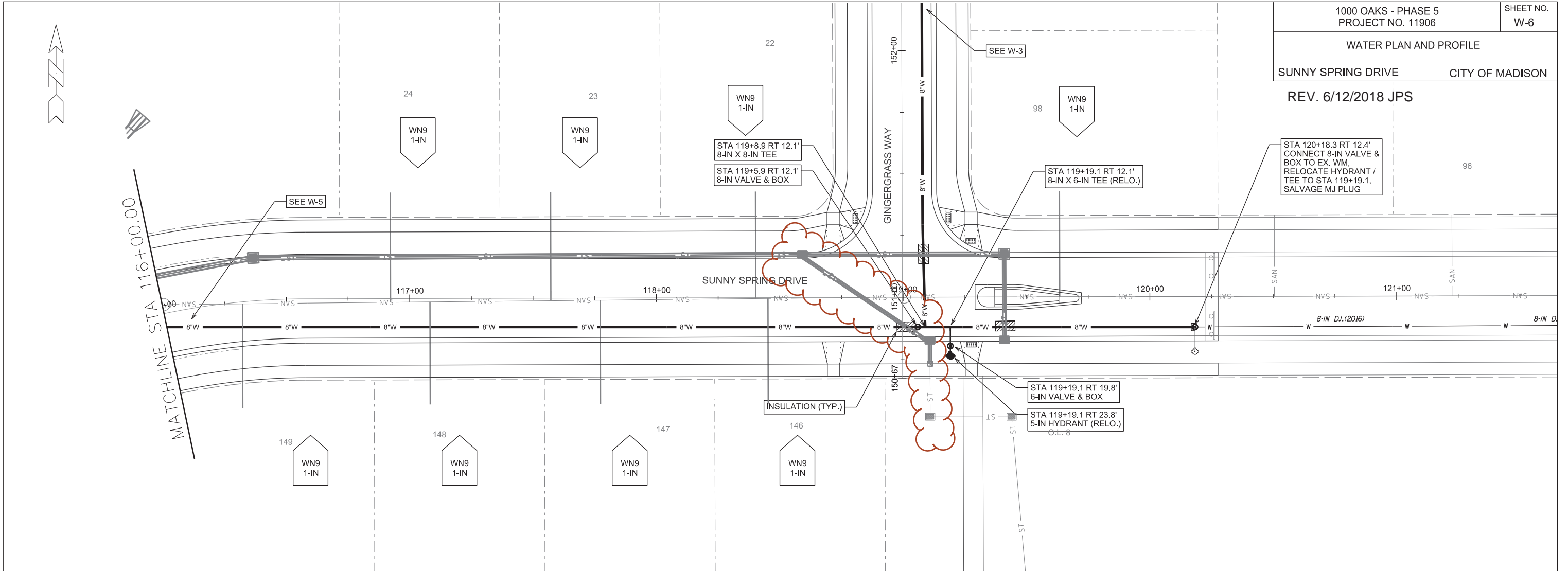
SEE UTILITY SHEETS FOR
STORM & SANITARY PLANS.

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SEE UTILITY SHEETS FOR STORM & SANITARY PLANS.

GENERAL REQUIREMENTS - WATER MAIN PROFILES:

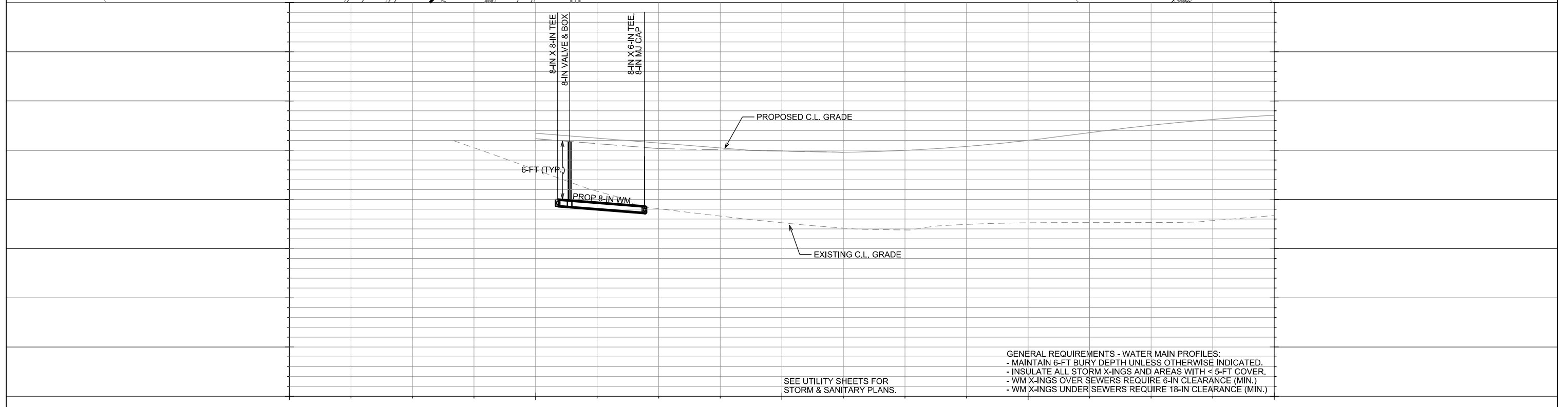
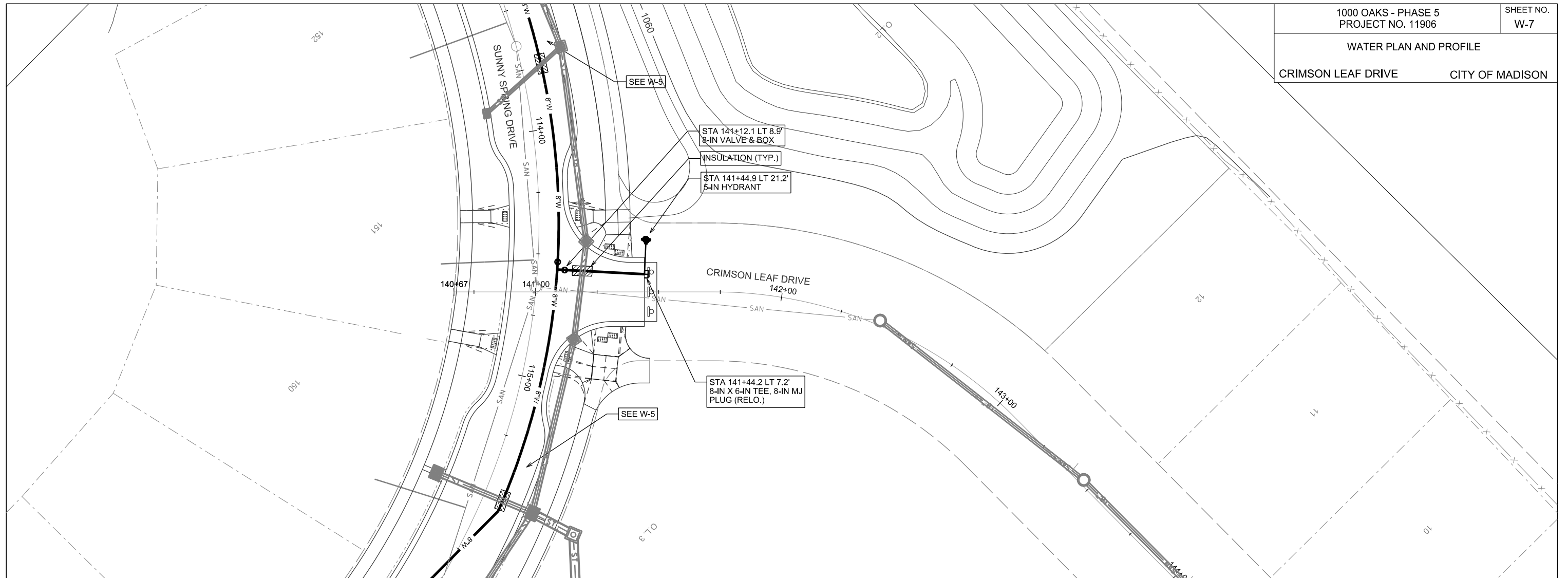
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
- INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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.*

- | | |
|-----------------------|-----------------------------------|
| 60-FT - 6-IN PIPE | 3 - 5-IN HYDRANT |
| 1840-FT - 8-IN PIPE | 16-FT - 2-IN STYROFOAM INSULATION |
| 3 - 6-IN VALVE & BOX | 2120-FT - POLY WRAP |
| 7 - 8-IN VALVE & BOX | 1-IN TO 2-IN COPPER (AS REQ'D) |
| 3 - 8-IN X 6-IN TEE | |
| 3 - 8-IN X 8-IN TEE | |
| 1 - 8-IN 22-1/2° 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:

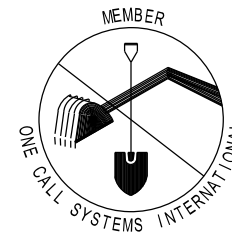
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- 1 - 8-IN X 6-IN TEE
- 1 - 8-IN MJ PLUG
- 1 - 8-IN MJ PLUG (SALVAGED)
- 2 - 5-IN HYDRANT
- 1 - 8-IN X 6-IN REDUCER

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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

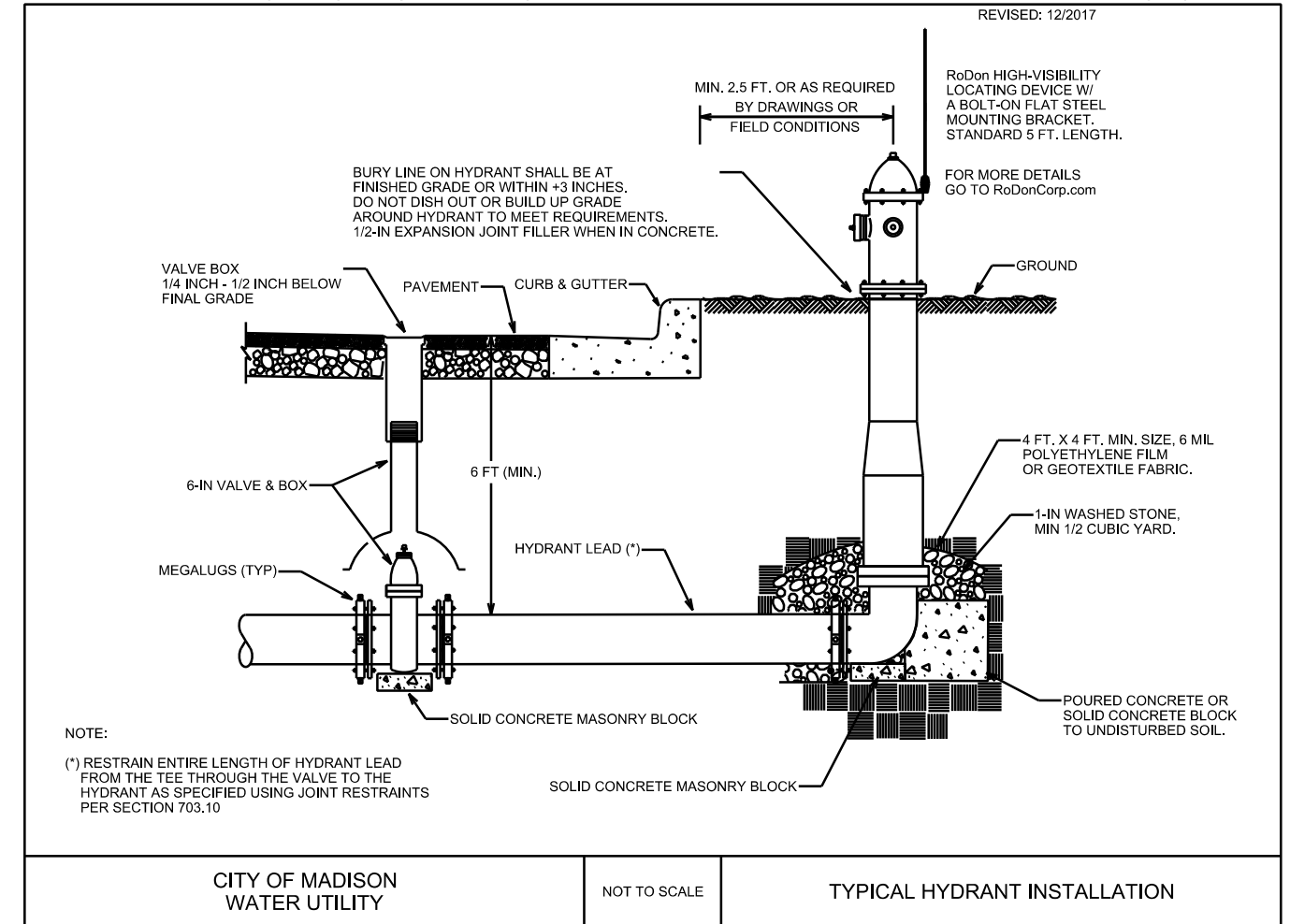


DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2017



CITY OF MADISON
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

City of Madison Standard Specifications for Public Works Construction

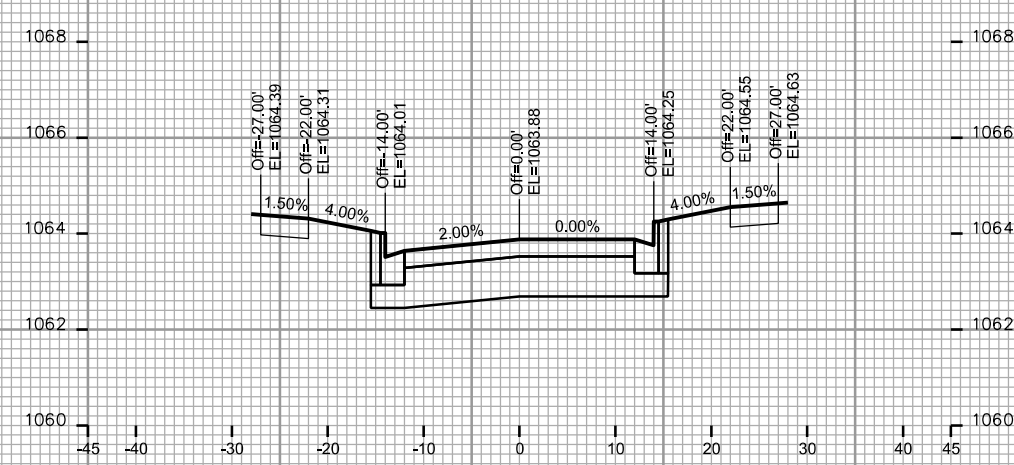
CROSS SECTIONS
GINGERGRASS WAY CITY OF MADISON

PLOT SCALE: _____

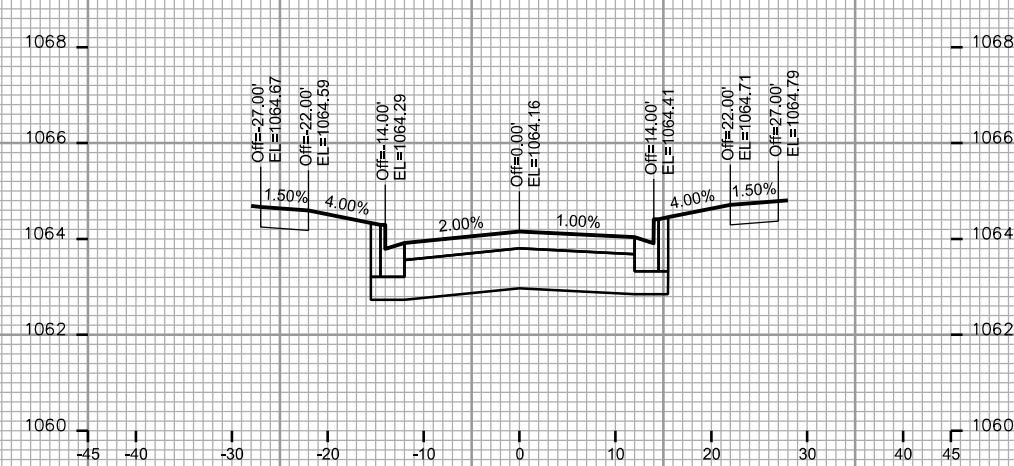
PLOT NAME: _____

REV. DATE: _____

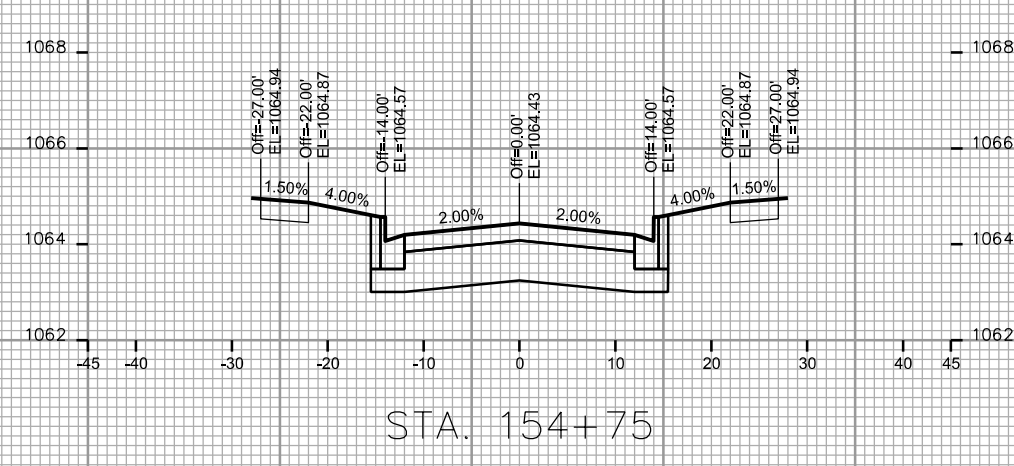
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



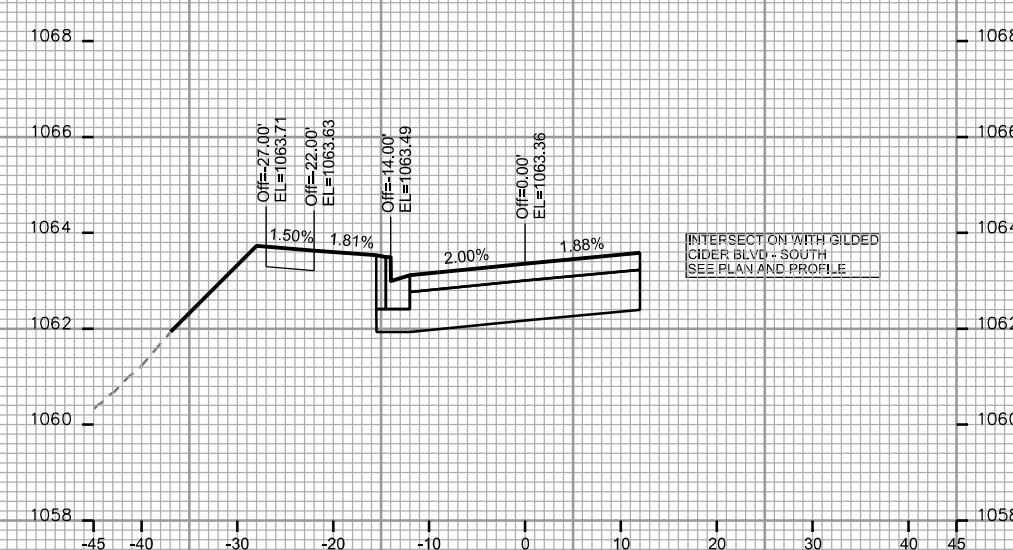
STA. 155+25



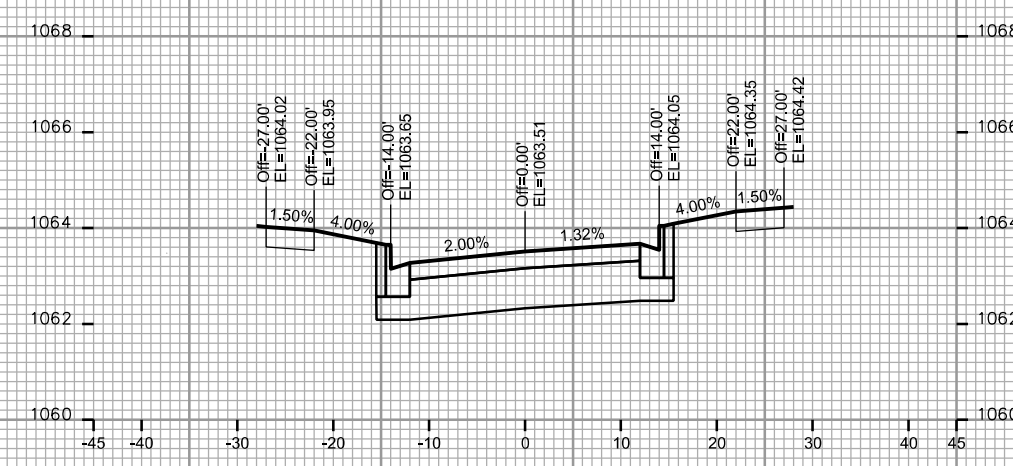
STA. 155+00



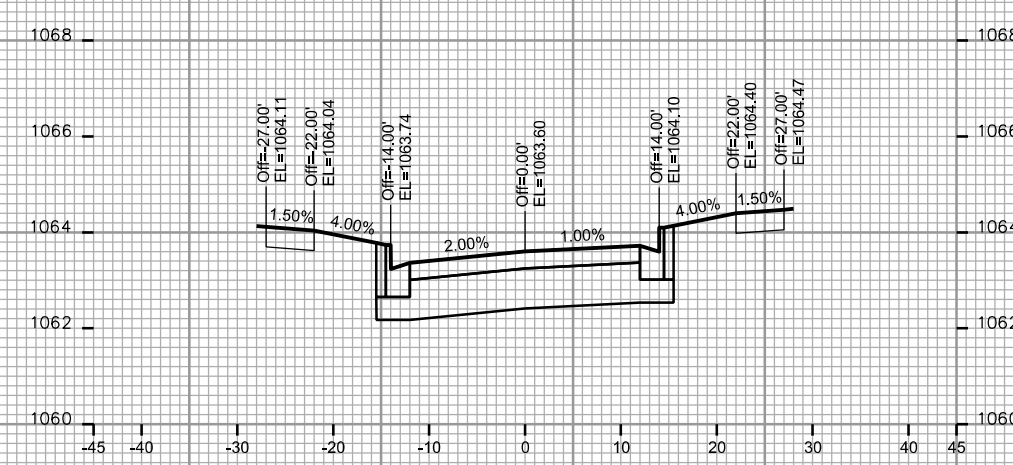
STA. 154+75



STA. 155+72

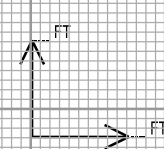


STA. 155+58



STA. 155+50

INTERSECTION WITH GILDED
CIDER BLVD - SOUTH
SEE PLAN AND PROFILE



CROSS SECTIONS

GINGERGRASS WAY

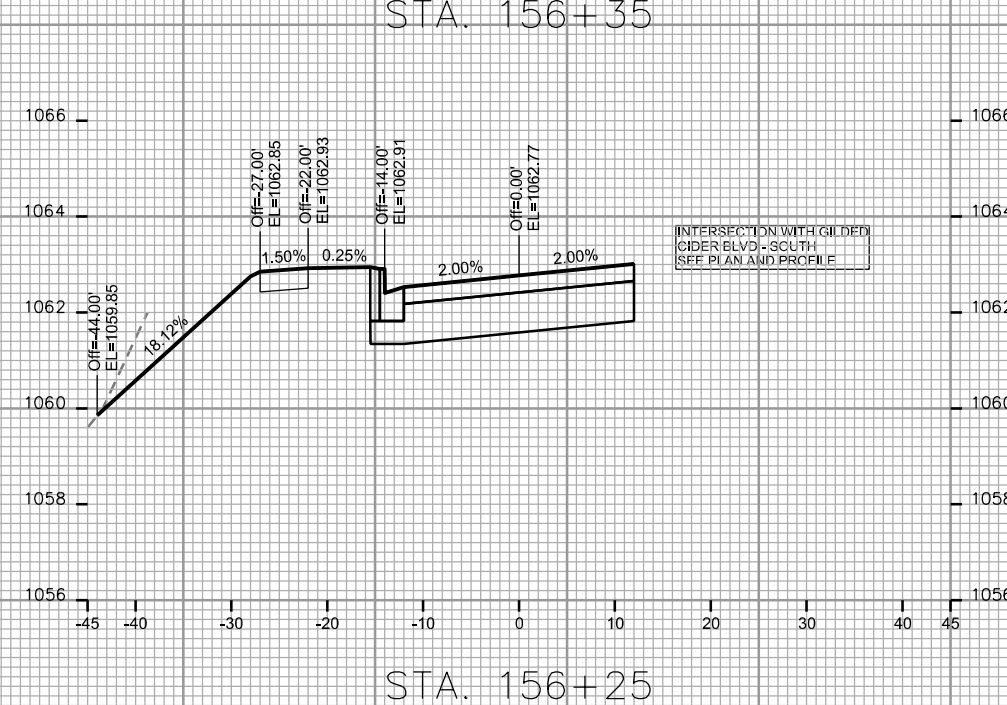
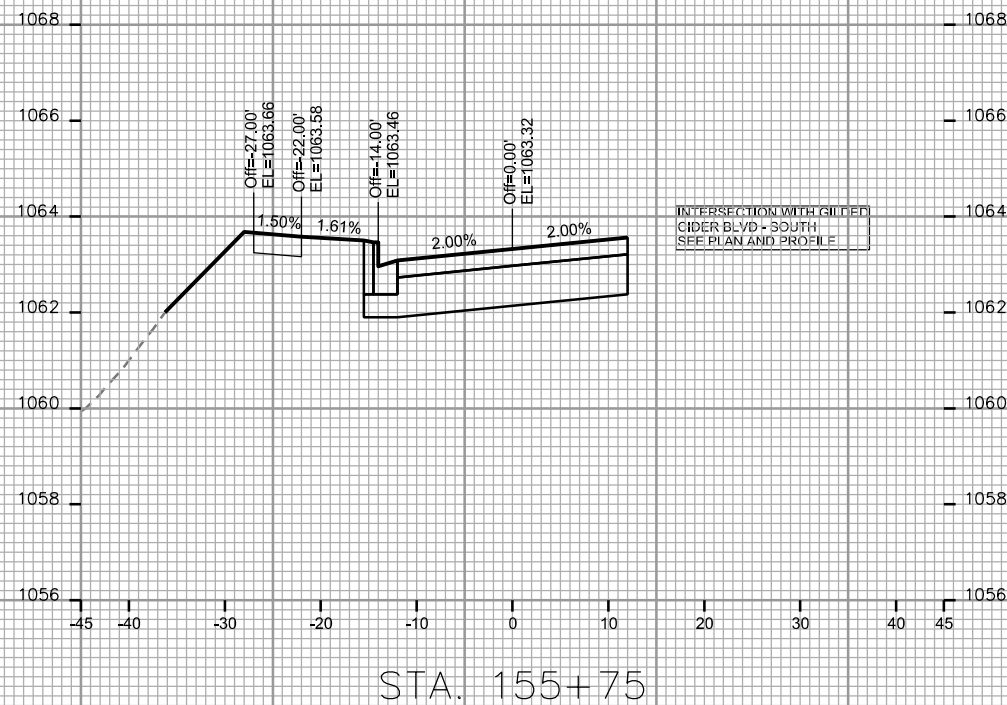
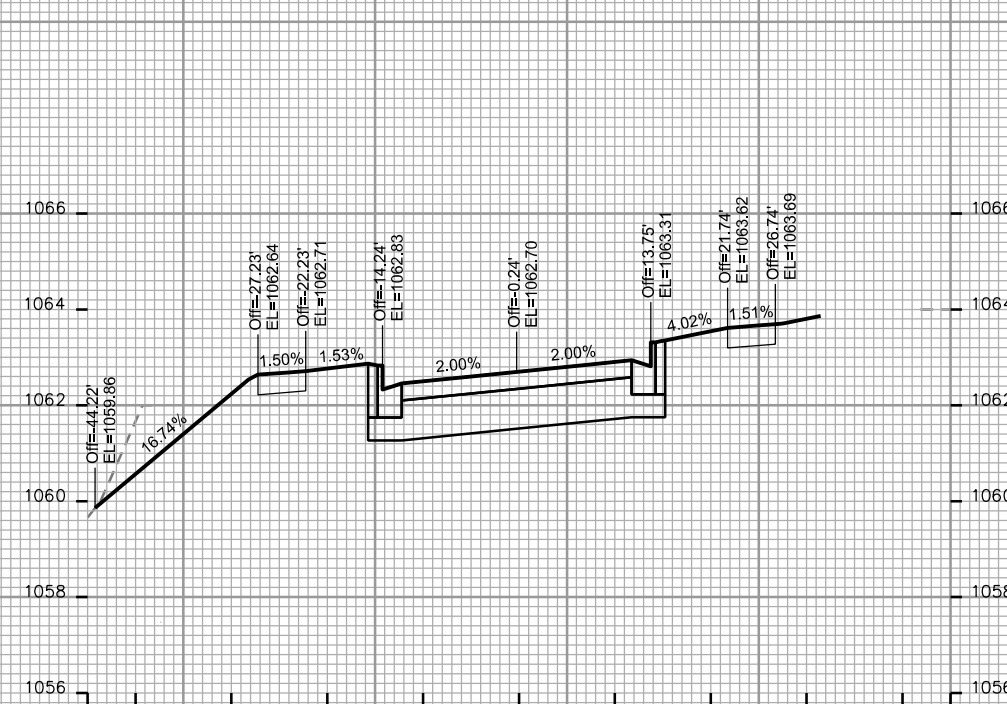
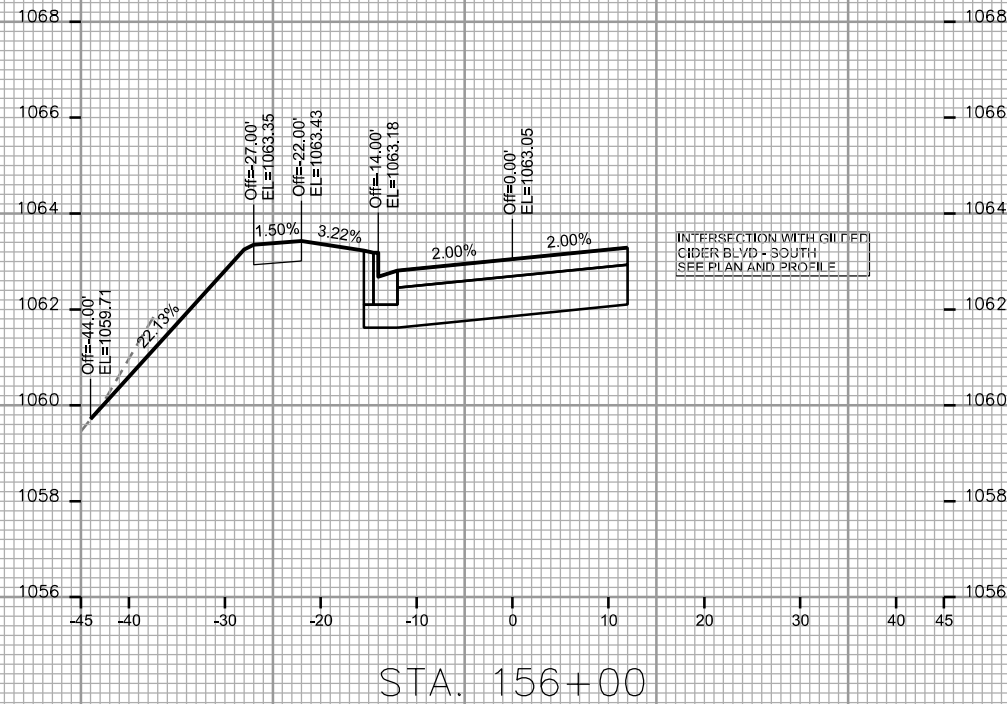
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

GINGERGRASS WAY

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

