

Madison, Wisconsin

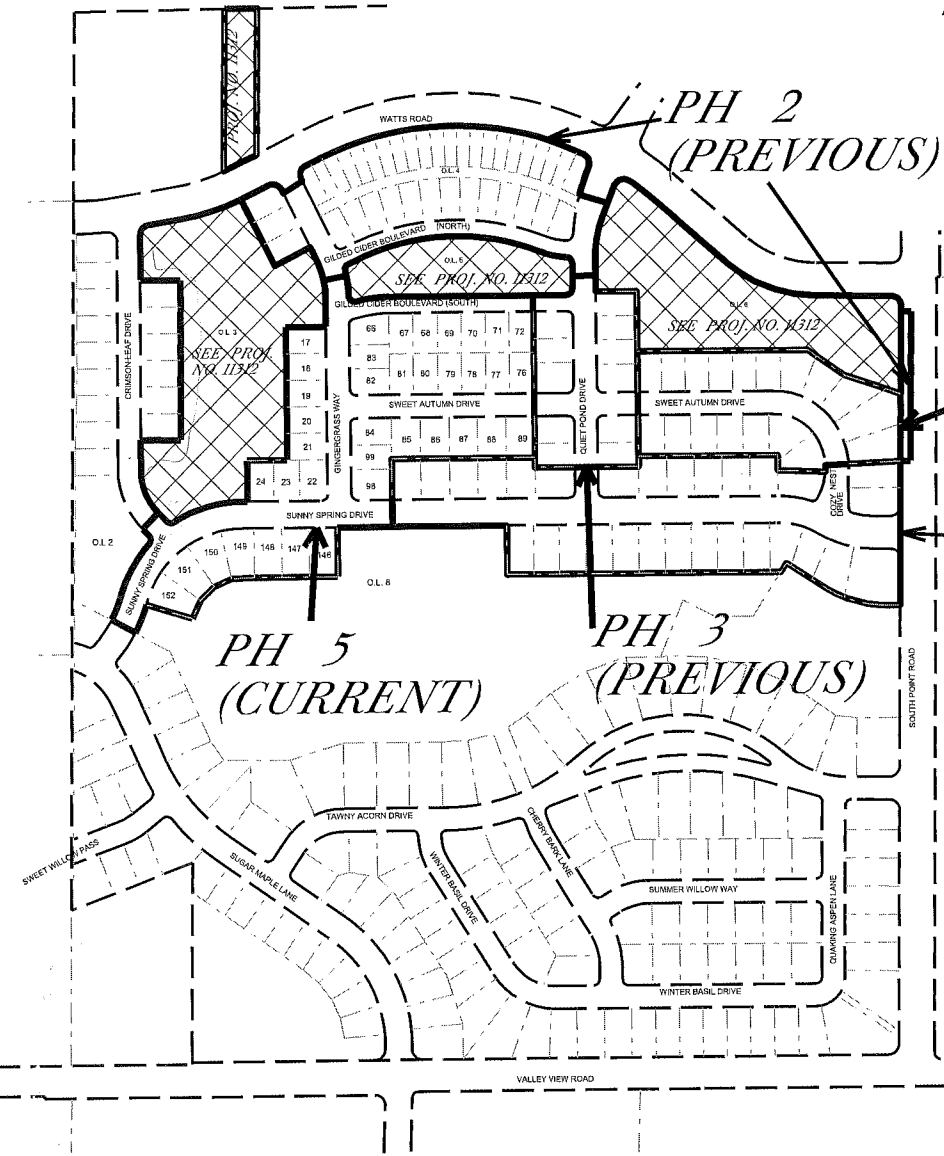
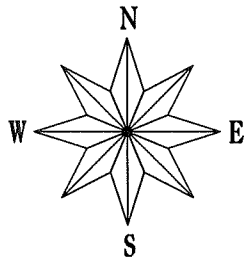
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SHEET NO.	XI-X3	GINGERGRASS WAY CROSS-SECTIONS

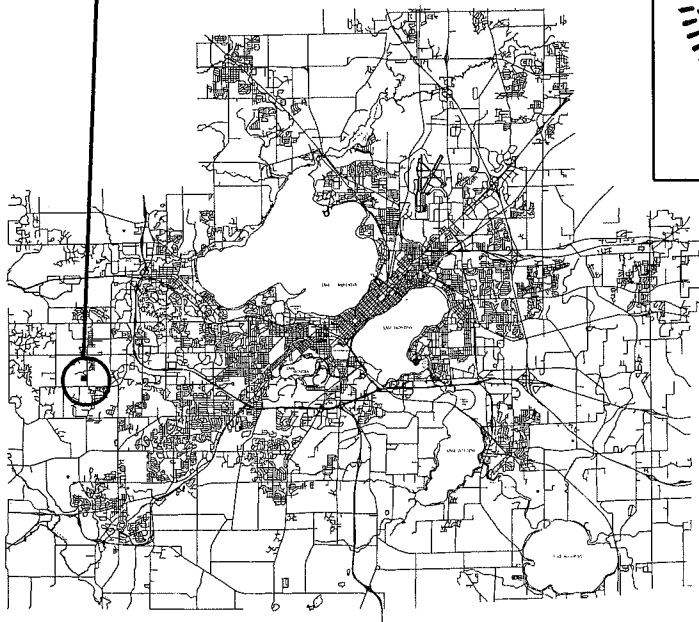
CITY OF MADISON
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

FIRST ADDITION TO 1000 OAKS
PHASE 5

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



PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT
APPROVED

FEBRUARY 12, 2018

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

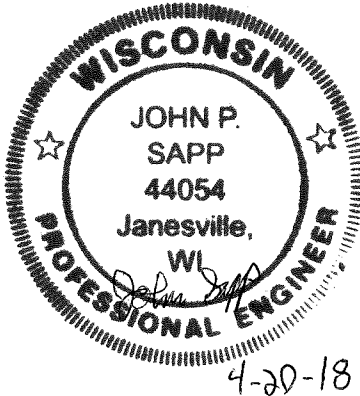
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 5/2/18
City Engineer Date

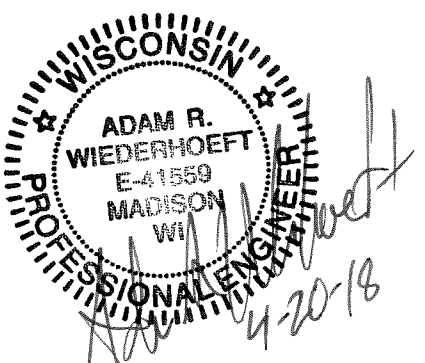
STREET GEOMETRY
DESIGNED BY:



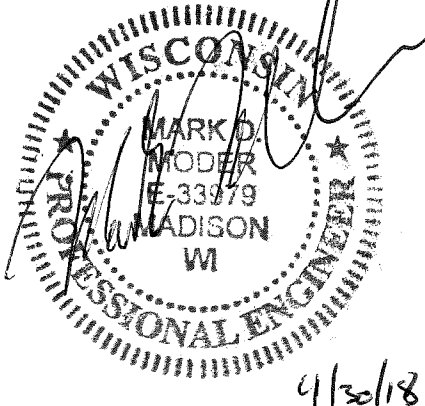
STREET GRADES
DESIGNED BY:



WATER
DESIGNED BY:



SANITARY SEWER
DESIGNED BY:



STORM SEWER
DESIGNED BY:



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.

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS

STORM SEWER

SANITARY SEWER

WATER

OVERHEAD ELECTRIC

POWER POLE

ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD

COMBUSTIBLE FLUIDS

_____ G _____

_____ ST _____

_____ SAN _____

_____ W _____

_____ OH _____







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.

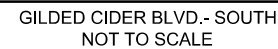
PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

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

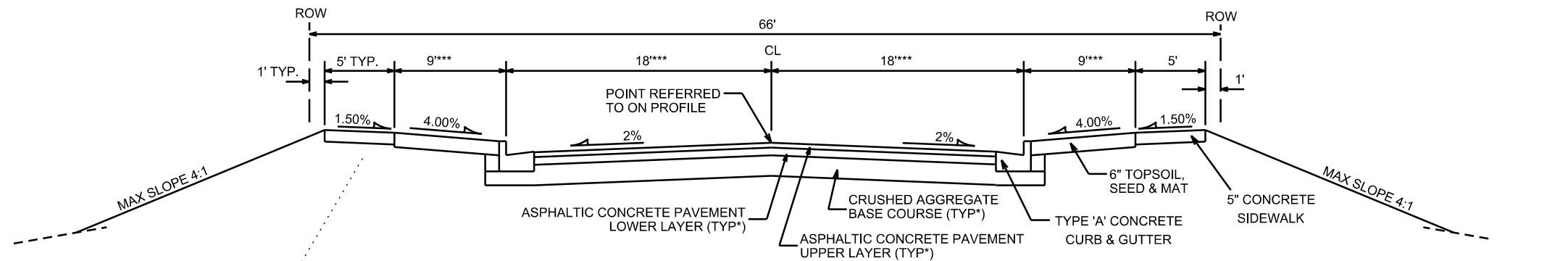
FIRST ADDITION TO 1000 OAKS: PHASE 5 PROJECT NO. 11906	SHEET NO. D-1
DETAIL	
STANDARD NOTES AND COMMENTS	CITY OF MADISON

FILE NAME: M:\DESIGN\Projects\11906\Streets\Design\11906EN-D1_GenI\Note.dgn

DATE: 4/19/2018

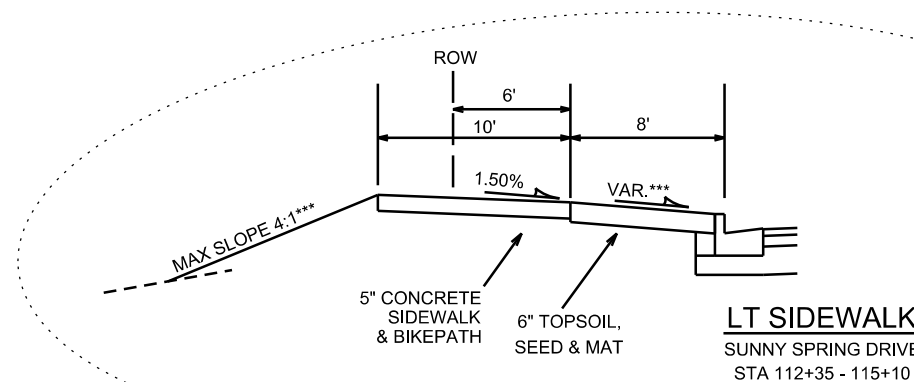


TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H 3 HT 58-28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

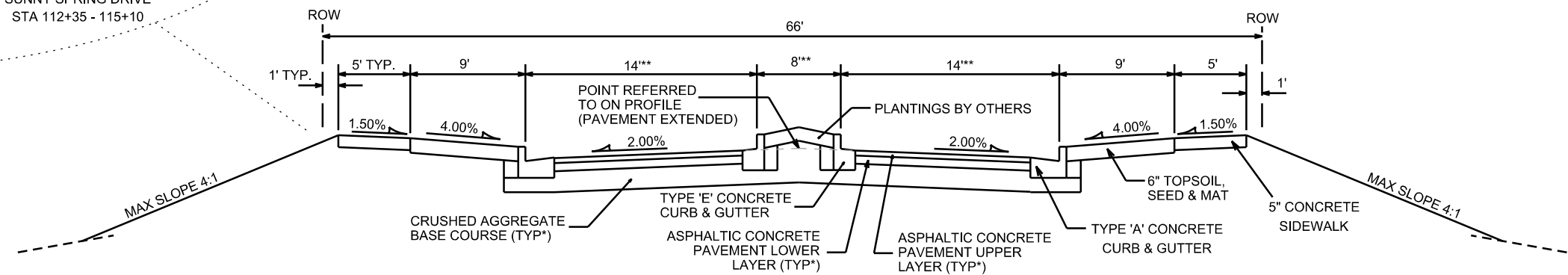


TYPICAL SECTION

SUNNY SPRING DRIVE
NOT TO SCALE



LT SIDEWALK
SUNNY SPRING DRIVE
STA 112+35 - 115+10



TYPICAL SECTION

SUNNY SPRING DRIVE
STA 112+21.00 - 112+95.00
119+30.00 - 119+72.00

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

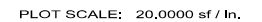
† CITY OF MADISON MINIMUM PAVEMENT DESIGN

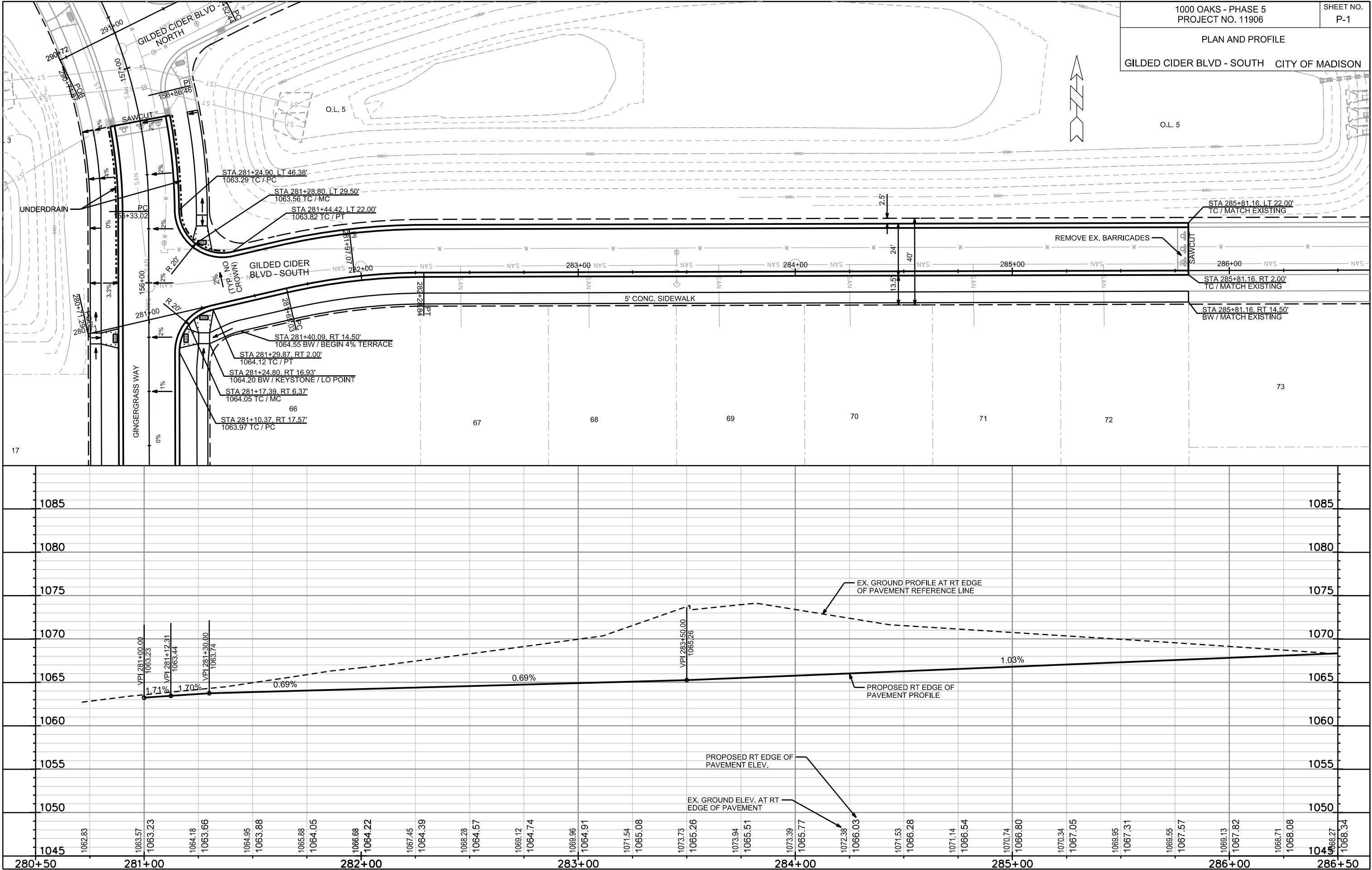
TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H 3 HT 58-28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

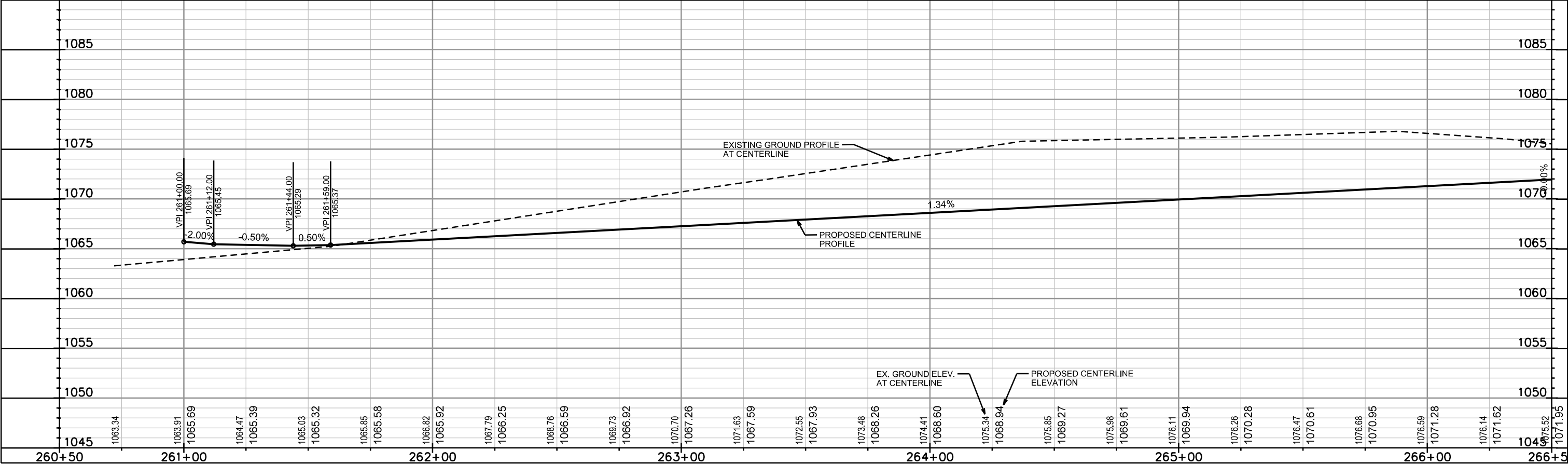
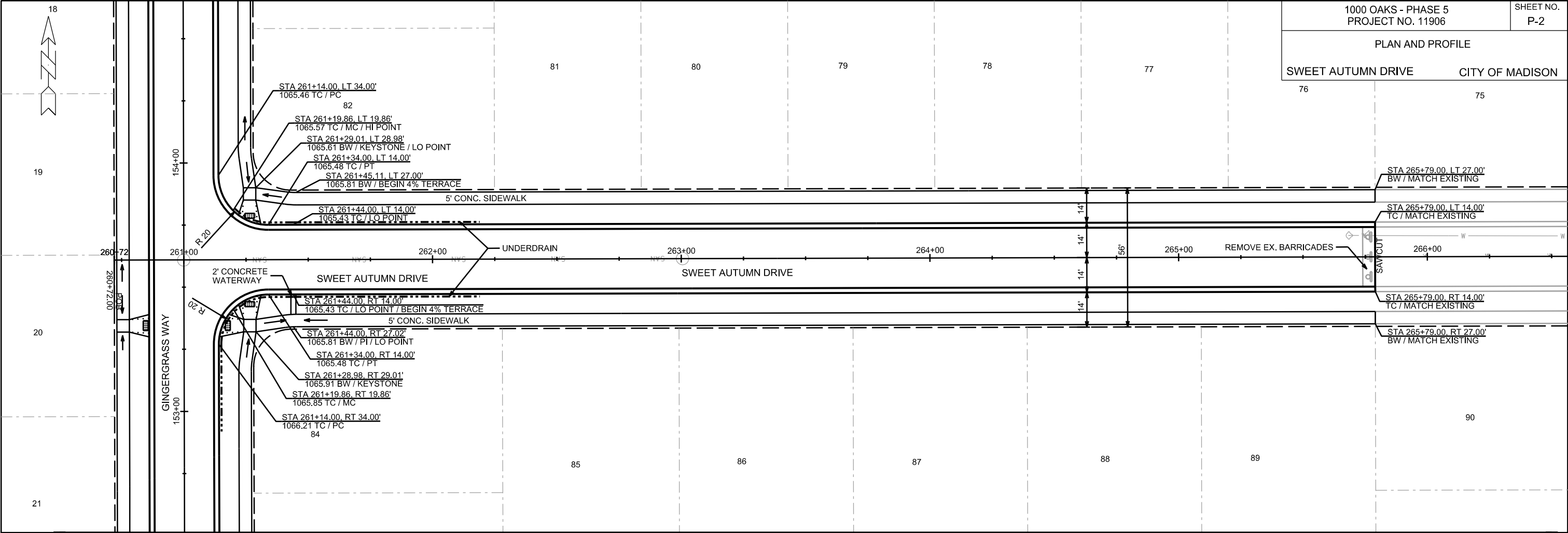
NOTE:
* GRADE BREAK IN RAMP AT BACK OF DWF

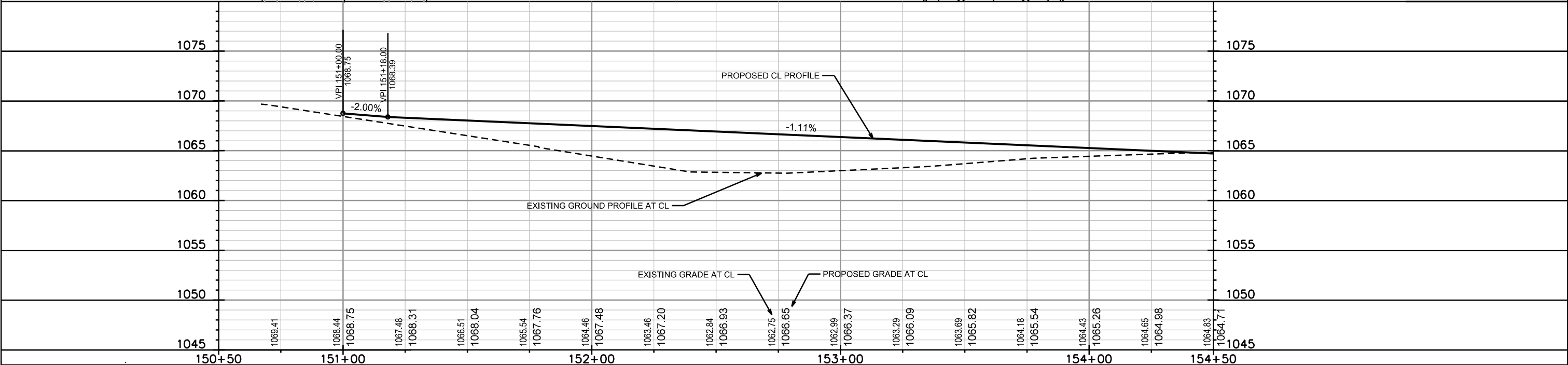
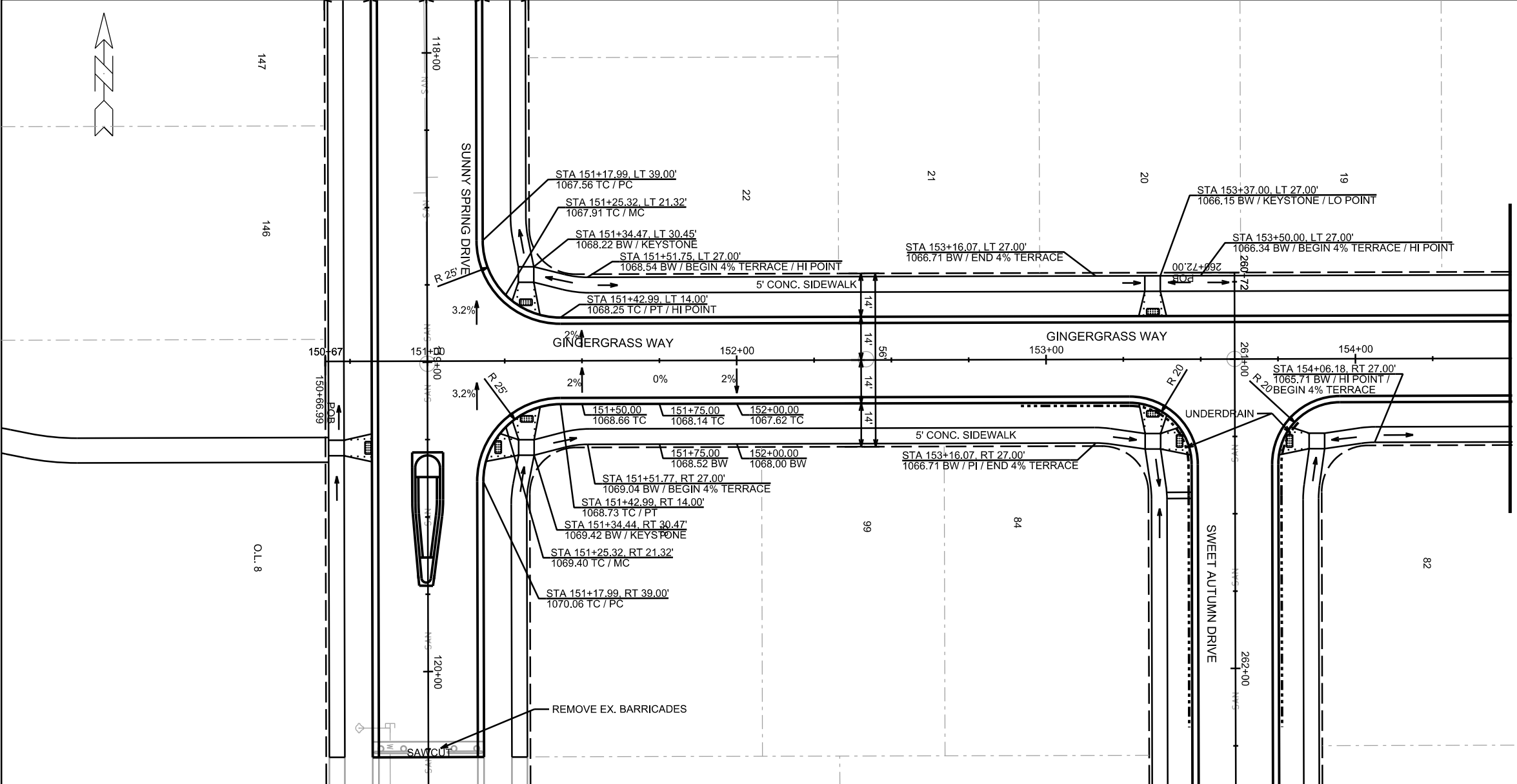
SEE STREET PLAN AND PROFILE FOR
OUTER CURB GRADES & OTHER NOTES

SCALE 1"=20'







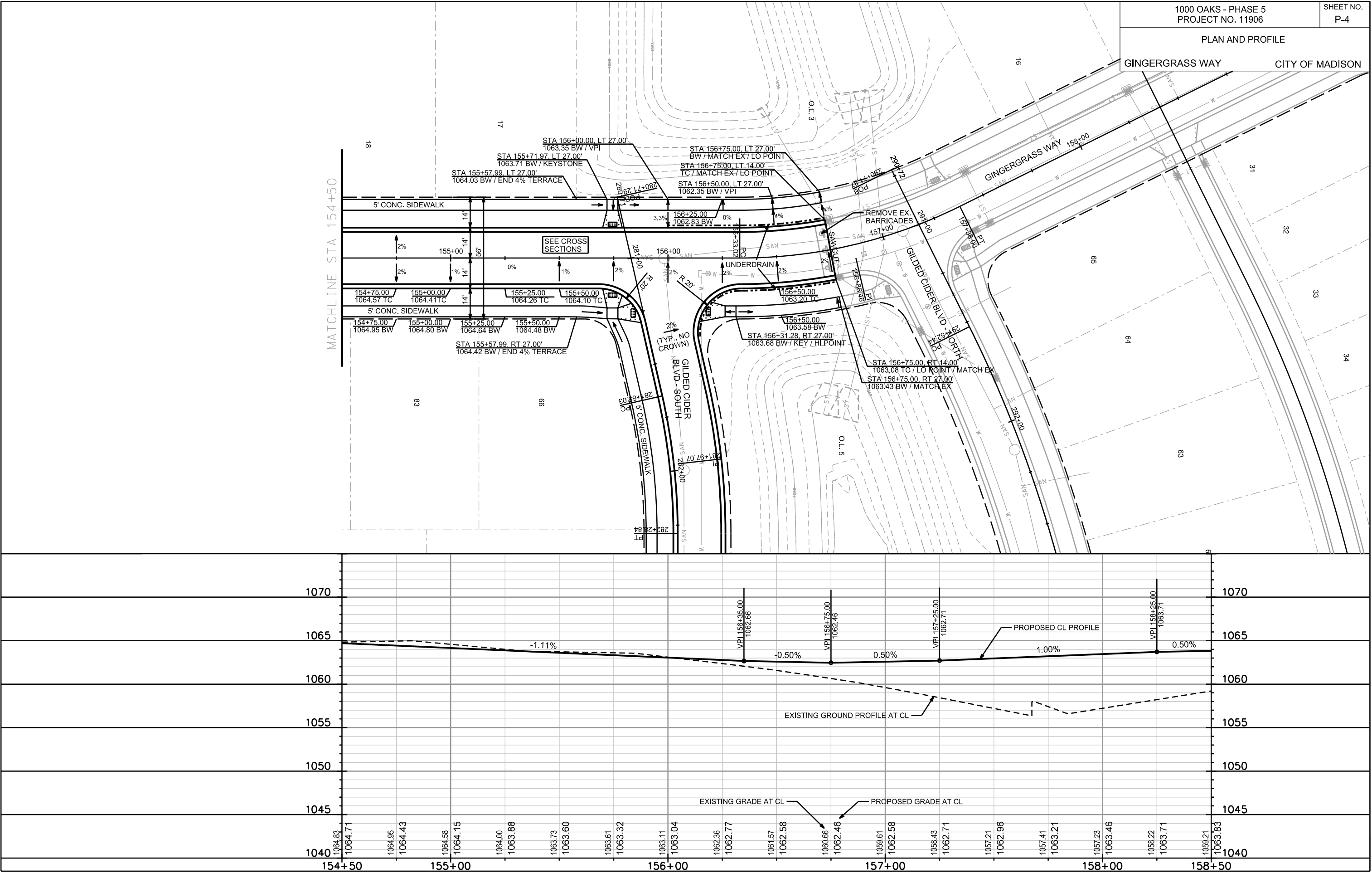


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

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

SEE SHEET U-5 FOR
PR. DITCH GRADING

STA 112+75.00, LT 37.00'
1064.75 BW / BEGIN 4%
TERRACE / HI POINT

STA 112+21.61, LT 18.00'
1064.96 TC / END CURB

NOTES
1 & 2

STA 112+21.61, RT 18.00'
1064.96 TC / END CURB

STA 114+49.57, LT 43.12'
1060.99 TC / END CURB

STA 114+49.80, LT 37.12'
1061.11 TC / PT

STA 114+43.94, LT 19.52'
1061.76 TC / MC

STA 114+27.69, LT 12.00'
1062.40 TC / PC

STA 114+20.95, LT 12.00'
1062.48 TC / PT

STA 114+09.86, LT 15.12'
1062.57 TC / PRC

STA 113+99.76, LT 18.00'
1062.64 TC / PC

STA 114+10.20, RT 15.21'
1062.57 TC / PRC

STA 113+99.76, RT 18.00'
1062.64 TC / PC

STA 114+22.06, RT 12.00'
1062.47 TC / PT

STA 115+25.77, RT 18.00'
1061.00 TC / PT

STA 115+50.00, RT 18.00'
1060.81 TC / LO POINT

STA 114+82.32, LT 17.97'
1061.35 TC / MC

STA 114+97.11, LT 12.00'
1061.49 TC / PT / HI POINT

STA 115+04.58, LT 12.00'
1061.40 TC / PC

STA 115+15.67, LT 15.12'
1061.17 TC / PRC

STA 115+25.77, LT 18.00'
1061.00 TC / PT

STA 115+03.47, RT 12.00'
1061.41 TC / PC

STA 115+15.33, RT 15.21'
1061.17 TC / PRC

STA 115+50.00, RT 18.00'
1060.81 TC / LO POINT

MATCHLINE STA 116+00.00

1065

1060

1055

1050

1045

1040

1035

PROPOSED CENTERLINE
ELEVATION

EXISTING GROUND
AT CENTERLINE

EXISTING GRADE
AT CENTERLINE

PROPOSED GRADE
AT CENTERLINE

CURVE
L = 175.00'
K = 71.58'

1065

1060

1055

1050

1045

1040

1035

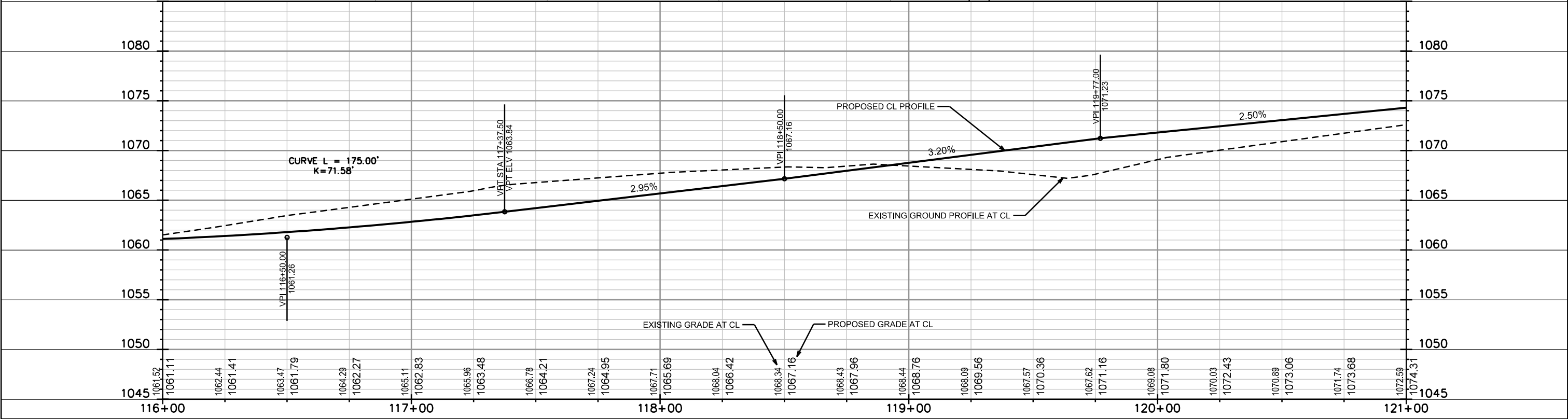
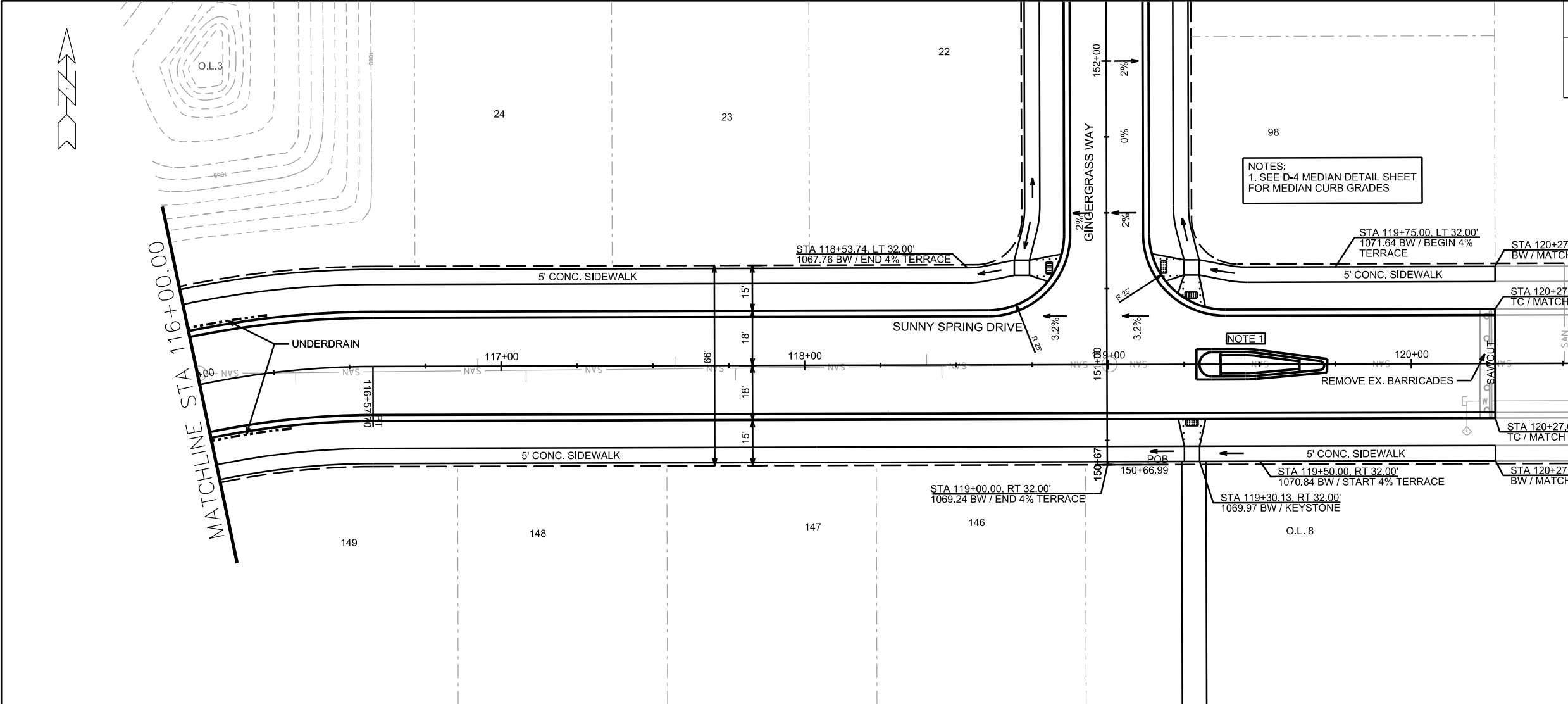
112+00

113+00

114+00

115+00

116+00

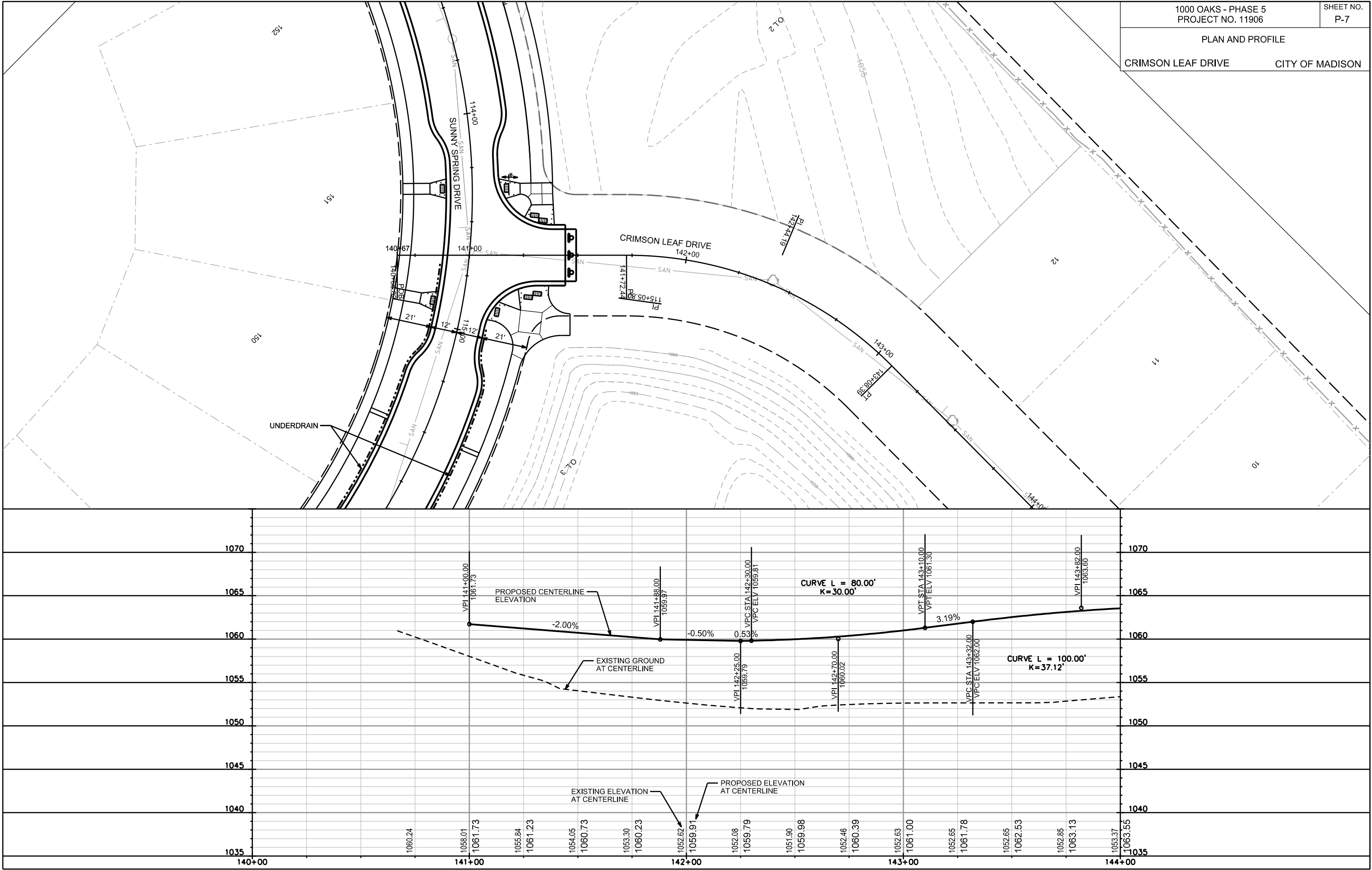


PLOT SCALE: _____

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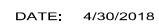
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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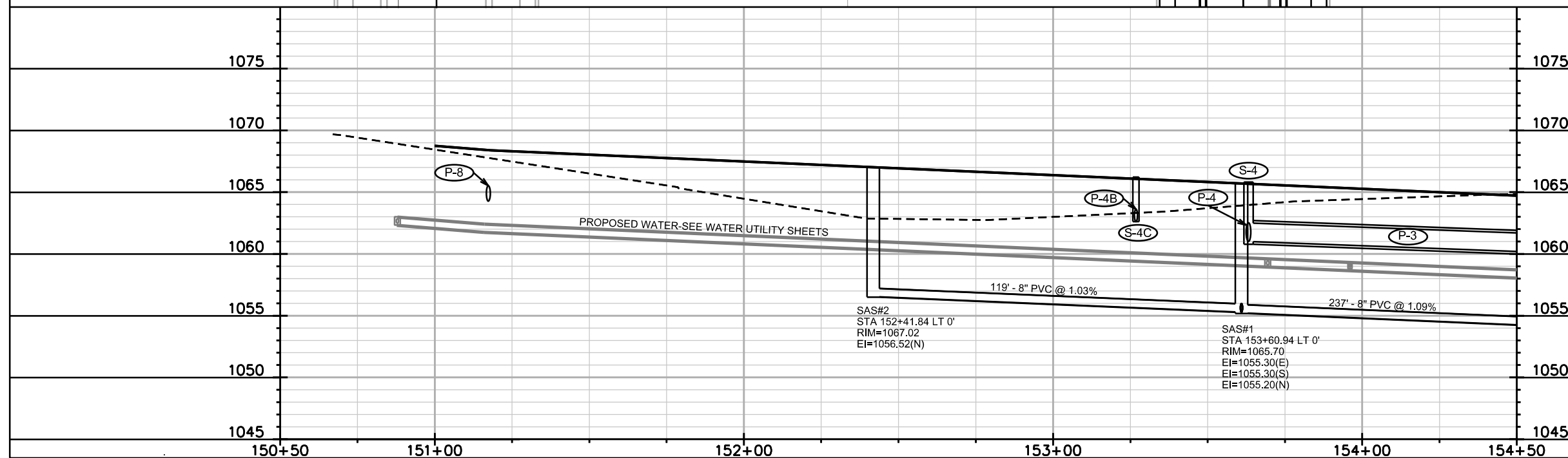
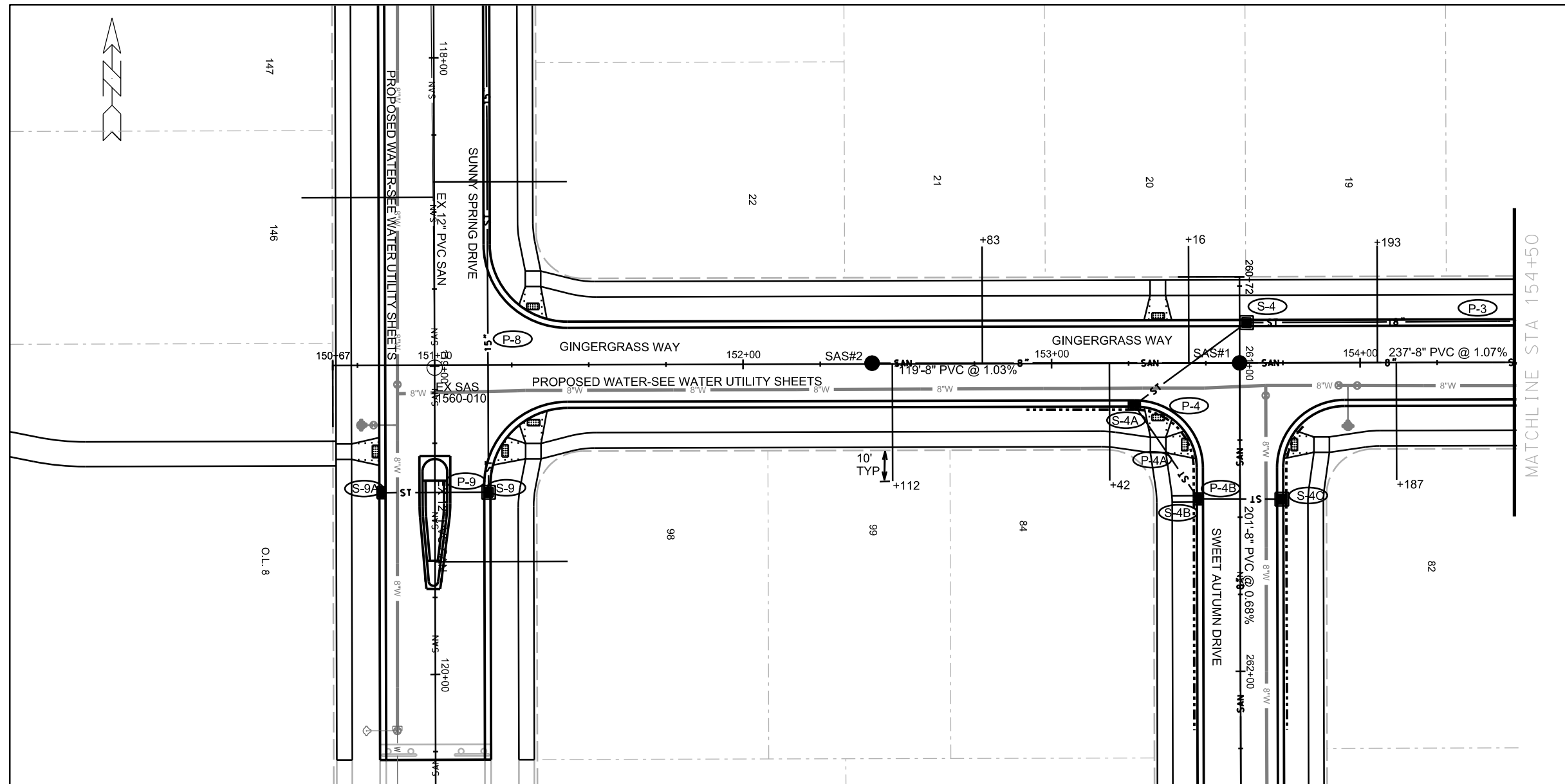
PLOT NAME: _____

PLOT SCALE: _____

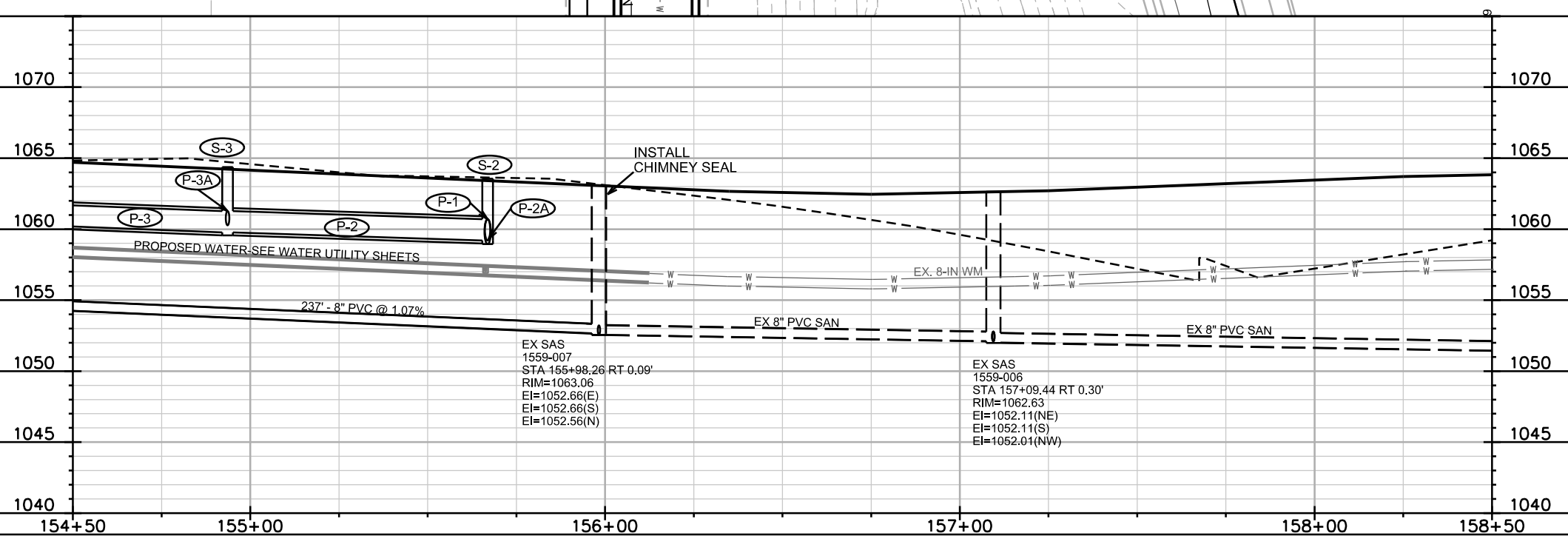
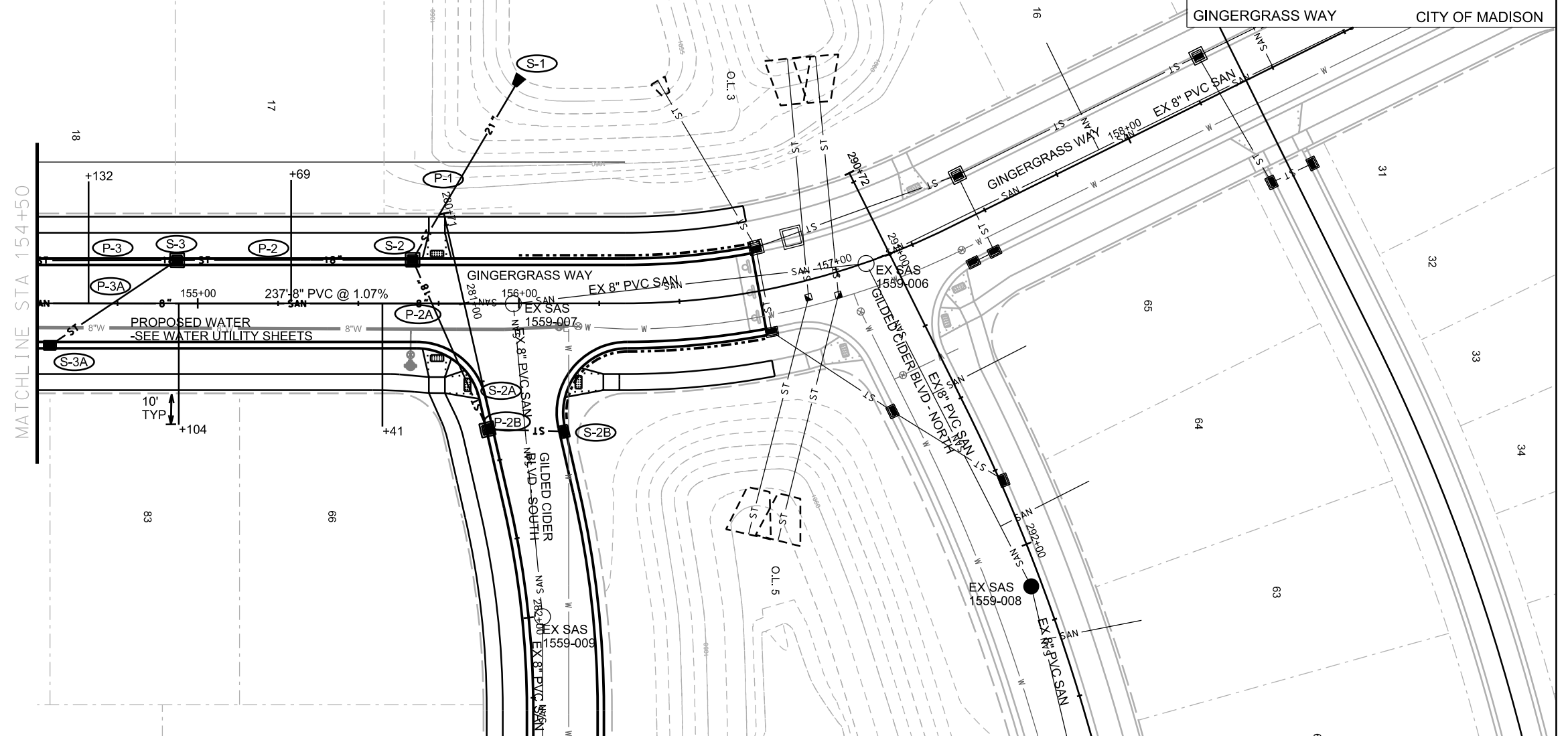
O.L. 5



UTILITIES PLAN AND PROFILE	
GINGERGRASS WAY	CITY OF MADISON

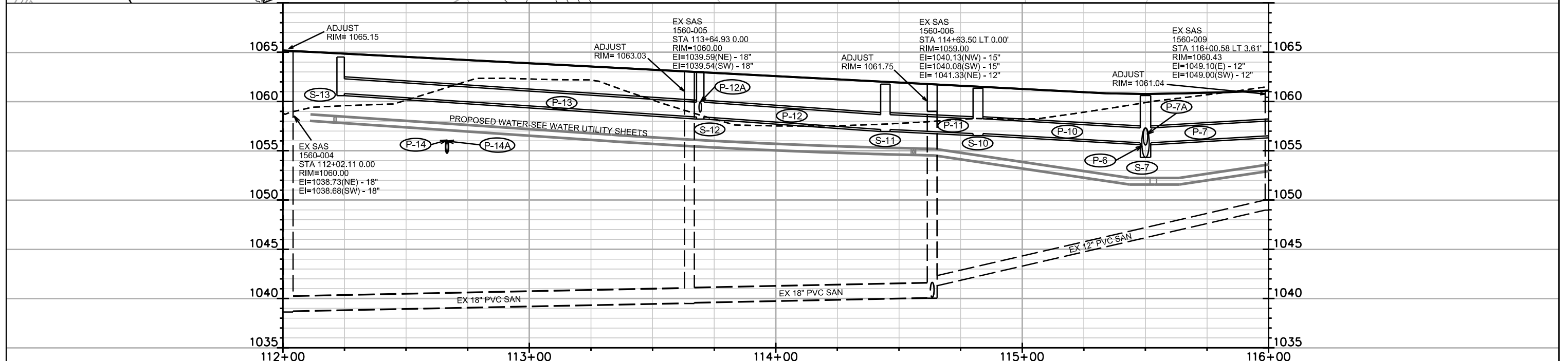
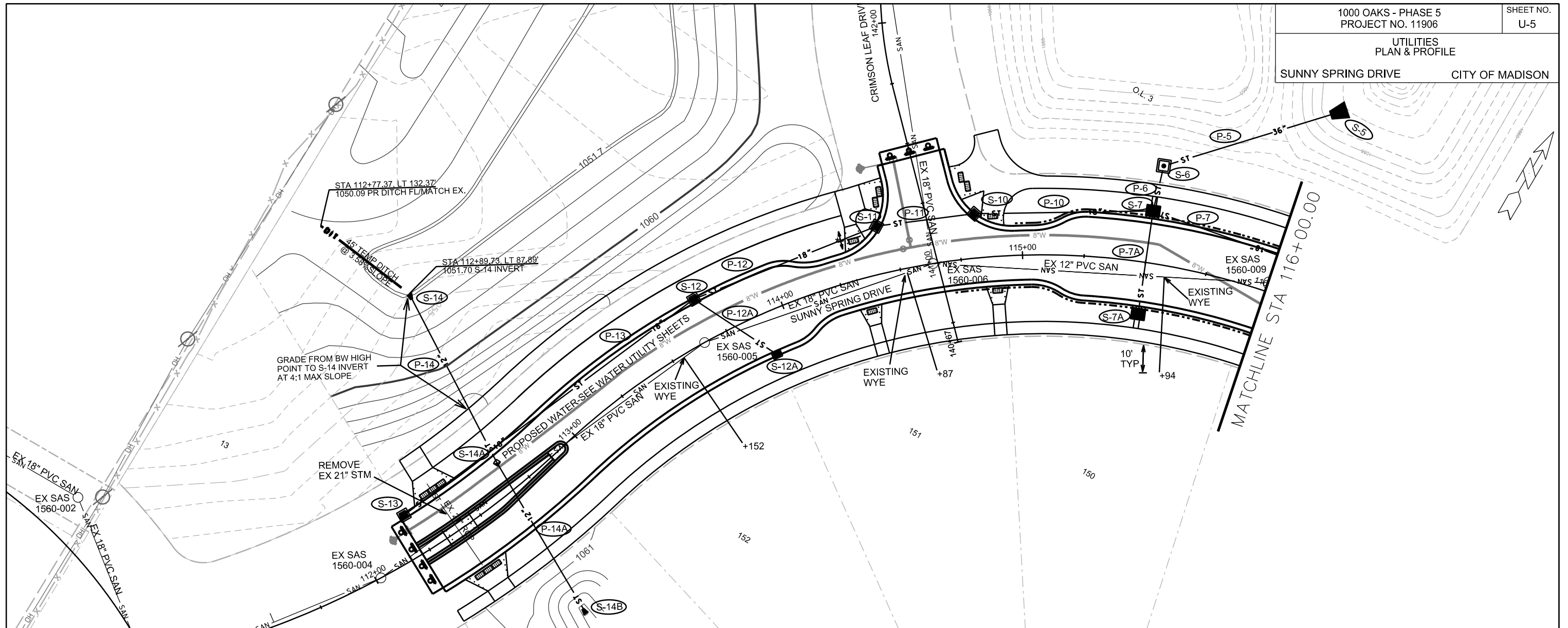


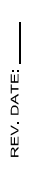
GINGERGRASS WAY	CITY OF MADISON
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UTILITIES
PLAN & PROFILE

SUNNY SPRING DRIVE CITY OF MADISON





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	-

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	-

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	-

STORM SEWER SCHEDULE

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
GINGERGRASS WAY							
S-1	155+98.71	LT-67.51	18" RCP APRON END	-	1054.00	-	W/ GATE
S-2	155+66.88	LT-13.50	3X3 SAS	1063.55	1058.95	4.60	W/ R-3067-7004-VB
S-3	154+93.60	LT-13.50	3X3 SAS	1064.37	1059.77	4.60	W/ R-3067-7004-VB
S-3A	154+53.94	RT-13.50	H INLET	1064.81	1061.21	3.60	W/ R-3067-7004-VB
S-4	153+63.22	LT-13.50	3X3 SAS	1065.81	1061.02	4.79	W/ R-3067-7004-VB
S-4A	153+26.83	RT-13.50	3X3 SAS	1066.21	1061.27	4.94	W/ R-3067-7004-VB
GILDED CIDER BLVD SOUTH							
S-2A	281+33.64	RT-1.50	H INLET	1064.15	1059.52	4.63	W/ R-3067-7004-VB
S-2B	281+45.92	LT-21.50	3X3 SAS	1063.82	1060.42	3.40	W/ R-3067-7004-VB
SWEET AUTUMN DRIVE							
S-4B	261+44.00	RT-13.50	H INLET	1065.43	1061.72	3.71	LP; W/ R-3067-7004-V; (1)
S-4C	261+44.00	LT-13.50	H INLET	1065.43	1062.12	3.31	LP; W/ R-3067-7004-V; (1)
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-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	-	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	-	1059.00	-	W/ GATE

SPECIFIC NOTES

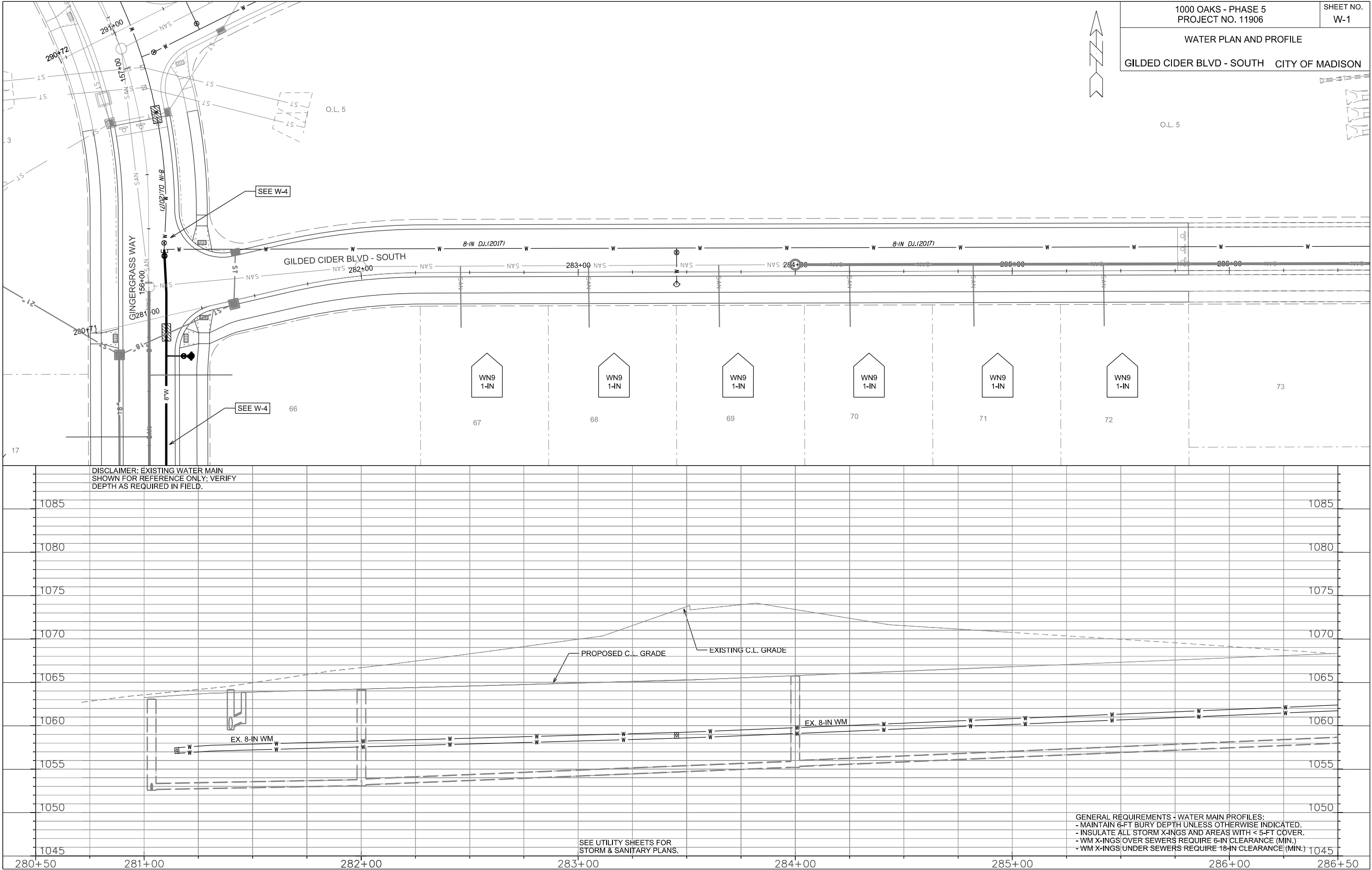
(1) SEE CITY OF MADISON SDD 5.7.7A

PROPOSED STORM PIPES

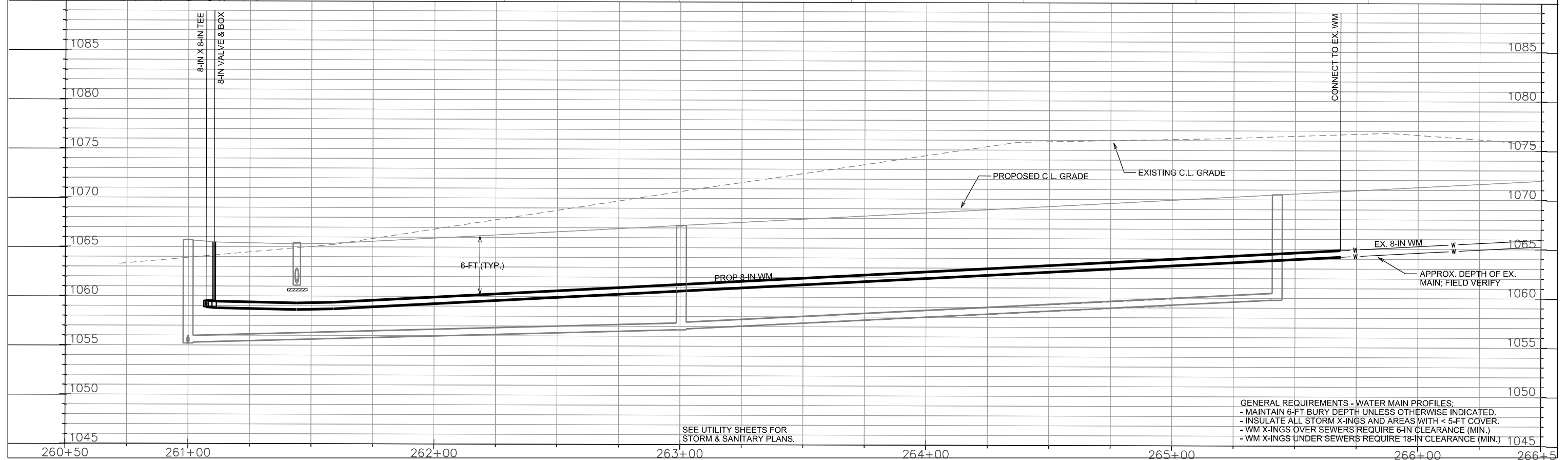
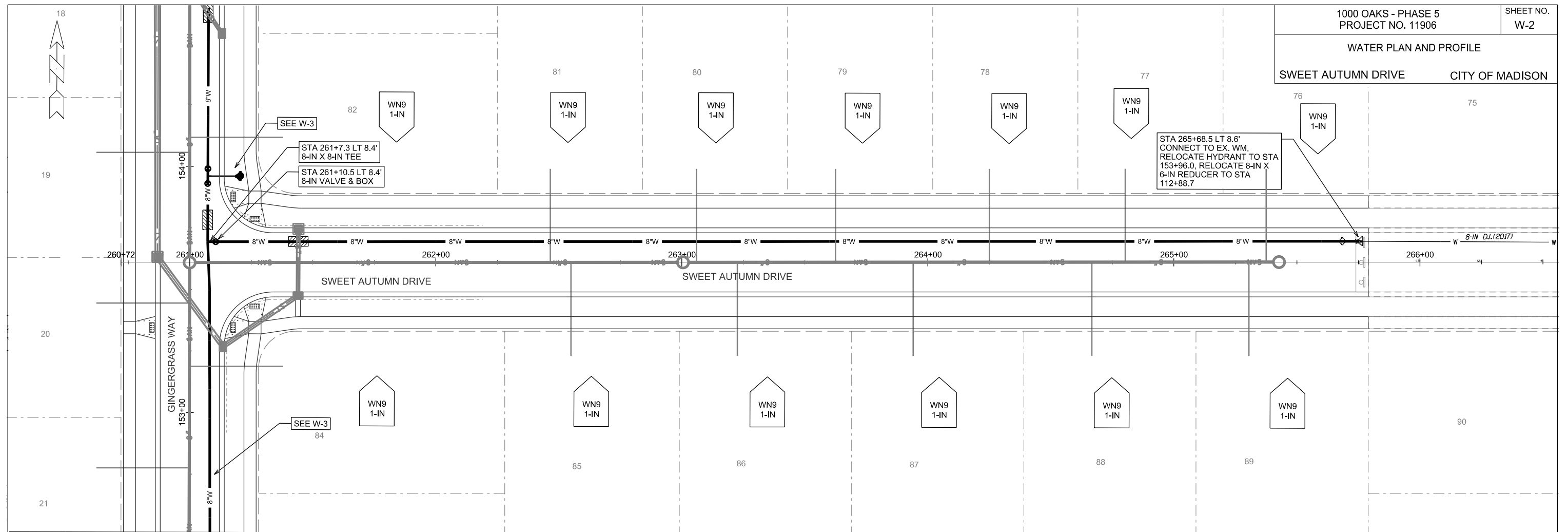
PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	1054.00	1058.95	67	65	7.62%	21"	RCP	-
P-2	S-2	S-3	1059.20	1059.77	73	70	0.81%	18"	RCP	-
P-2A	S-2	S-2A	1059.20	1059.52	58	55	0.58%	18"	RCP	-
P-2B	S-2A	S-2B	1060.02	1060.42	24	21	1.90%	12"	RCP	-
P-3	S-3	S-4	1059.77	1061.02	130	127	0.98%	18"	RCP	-
P-3A	S-3	S-3A	1060.27	1061.21	48	44	2.14%	12"	RCP	-
P-4	S-4	S-4A	1061.02	1061.27	45	42	0.60%	18"	RCP	-
P-4A	S-4A	S-4B	1061.52	1061.72	37	34	0.59%	15"	RCP	-
P-4B	S-4B	S-4C	1061.97	1062.12	27	25	0.60%	12"	RCP	-
P-5	S-5	S-6	1053.00	1054.23	78	76	1.62%	36"	RCP	-
P-6	S-6	S-7	1054.23	1054.32	19	15	0.60%	36"	RCP	-
P-7	S-7	S-8	1055.82	1057.05	93	90	1.37%	18"	RCP	-
P-7A	S-7	S-7A	1055.57	1055.81	42	39	0.62%	21"	RCP	-
P-8	S-8	S-9	1057.30	1065.33	304	301	2.67%	15"	RCP	-
P-9	S-9	S-9A	1065.58	1066.33	35	32	2.34%	12"	RCP	-
P-10	S-7	S-10	1055.82	1056.75	73	68	1.37%	18"	RCP	-
P-11	S-10	S-11	1056.75	1057.16	40	36	1.14%	18"	RCP	-
P-12	S-11	S-12	1057.16	1058.43	80	76	1.67%	18"	RCP	-
P-12A	S-12	S-12A	1058.93	1059.17	41	38	0.63%	12"	RCP	-
P-13	S-12	S-13	1058.43	1060.80	147	144	1.65%	18"	RCP	-
P-14	S-14	S-14A	1051.70	1054.00	77	77	2.99%	12"	RCP	-
P-14A	S-14A	S-14B	1054.00	1059.00	71	71	7.04%	12"	RCP	-

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.

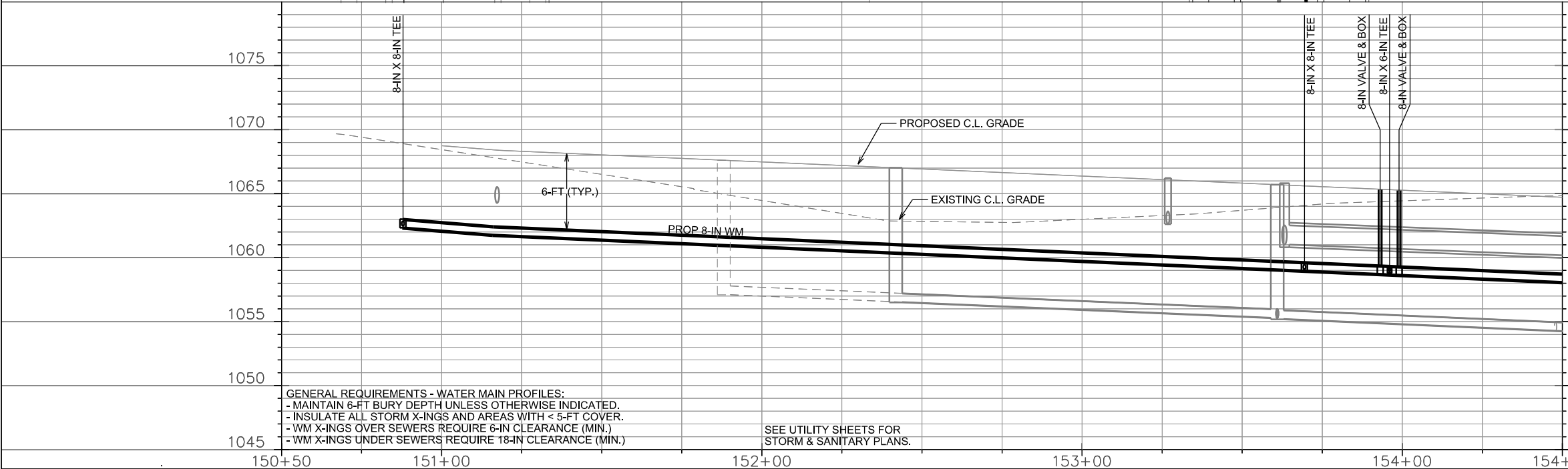
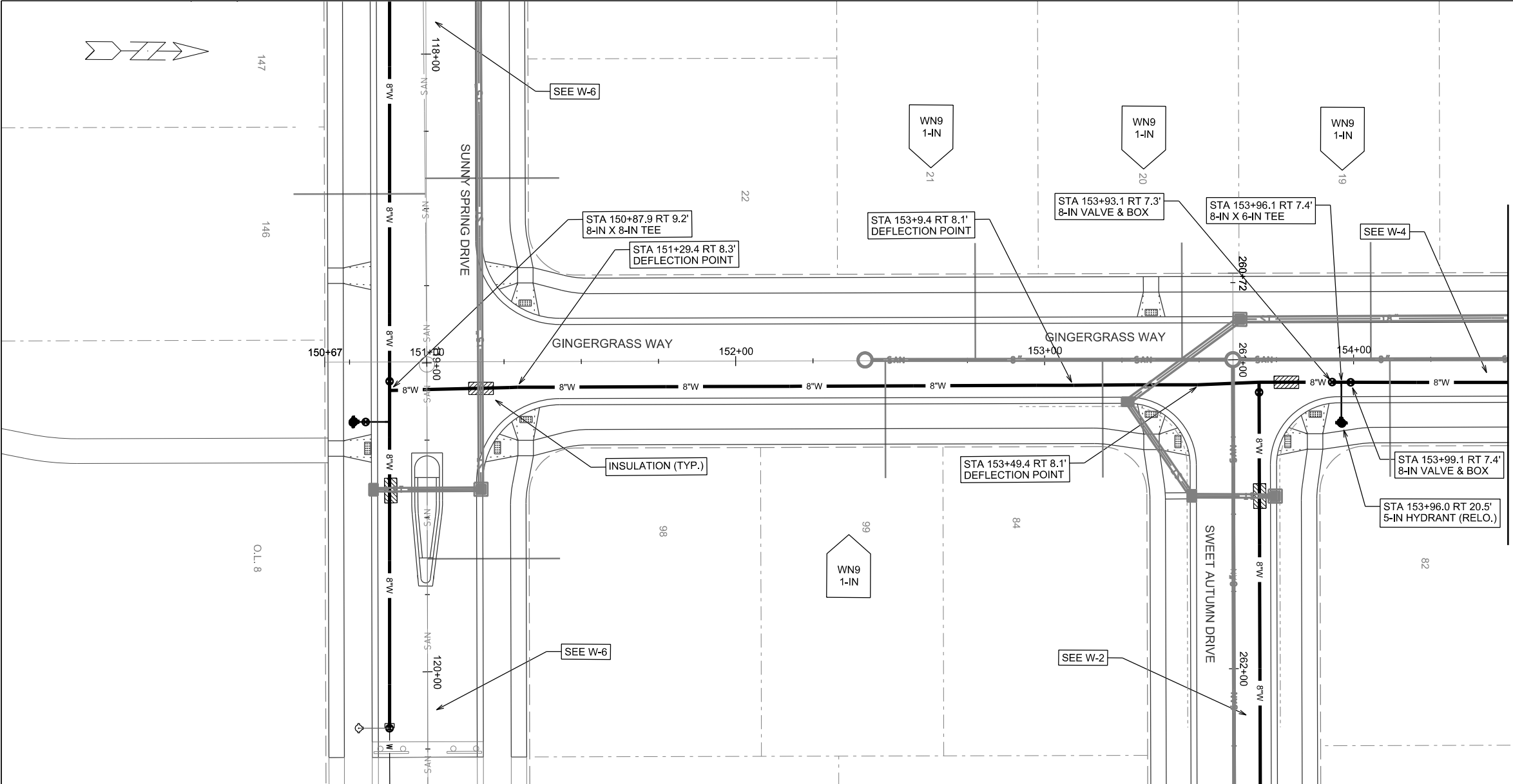


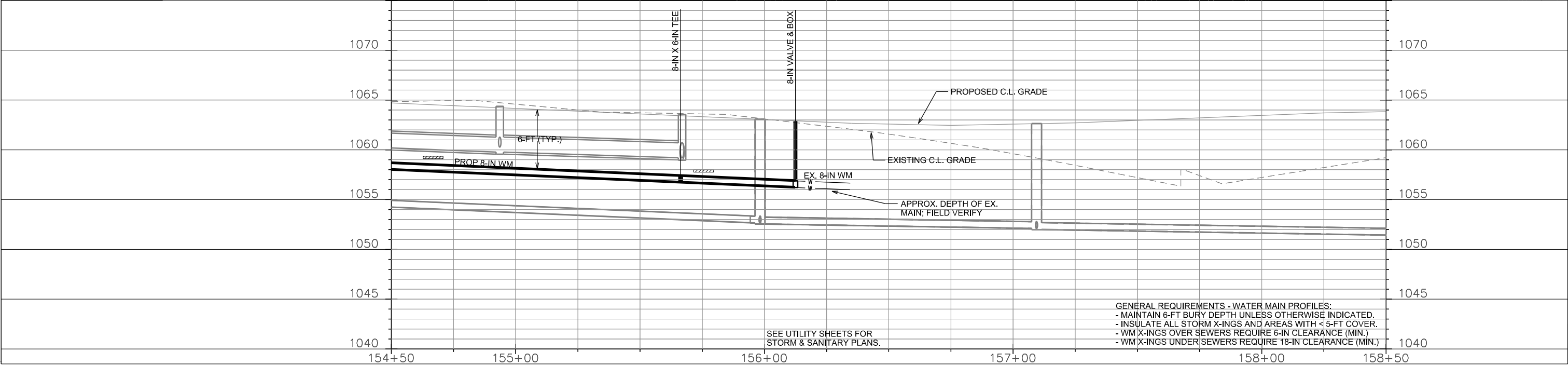
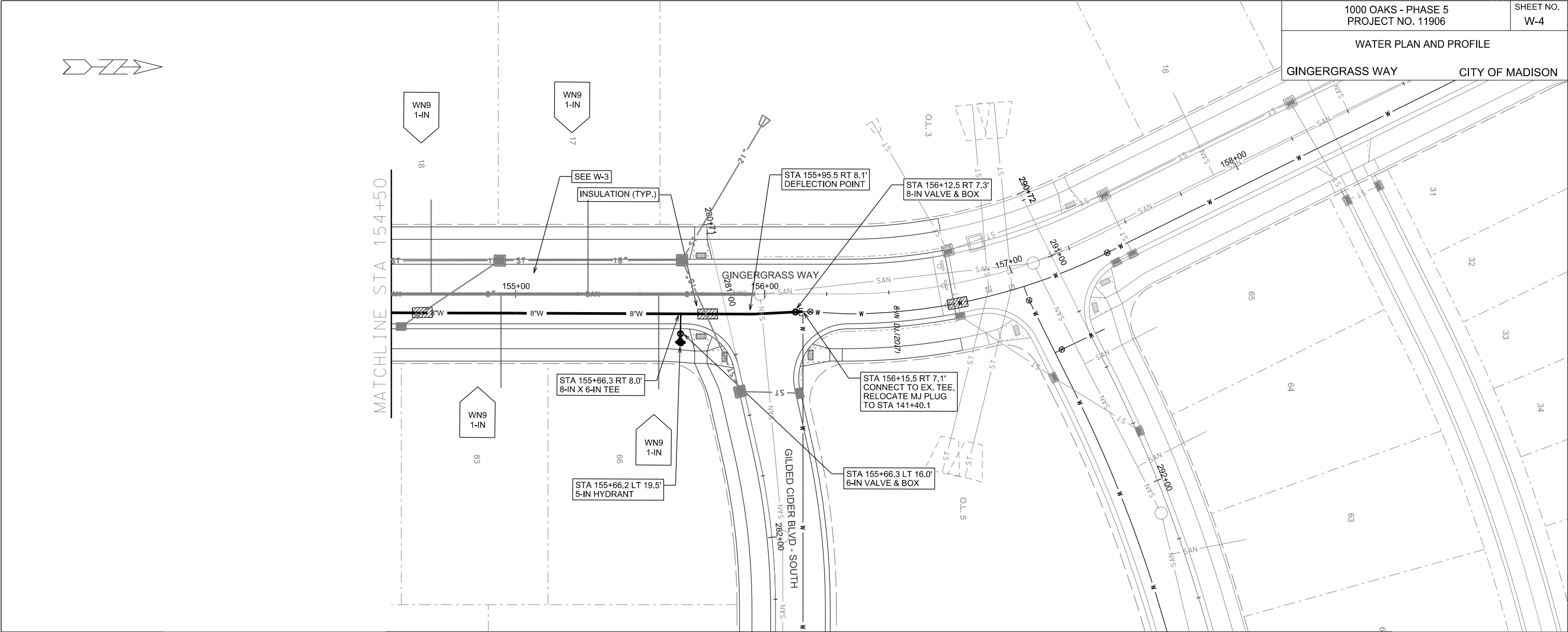
SWEET AUTUMN DRIVE CITY OF MADISON

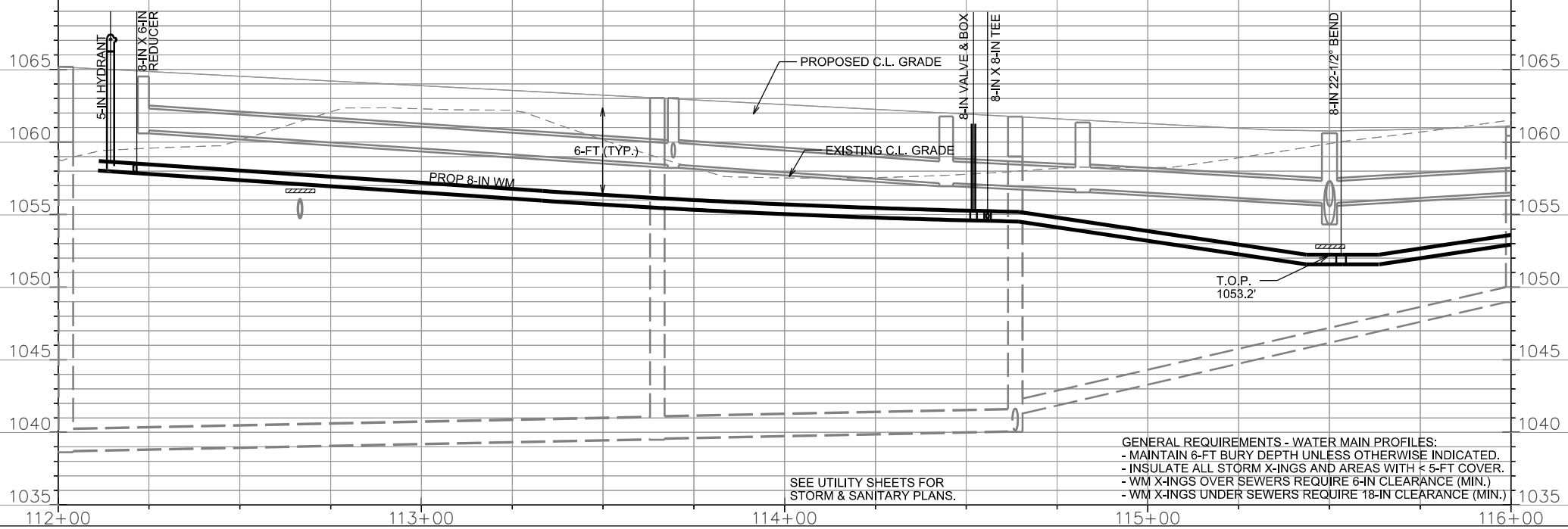
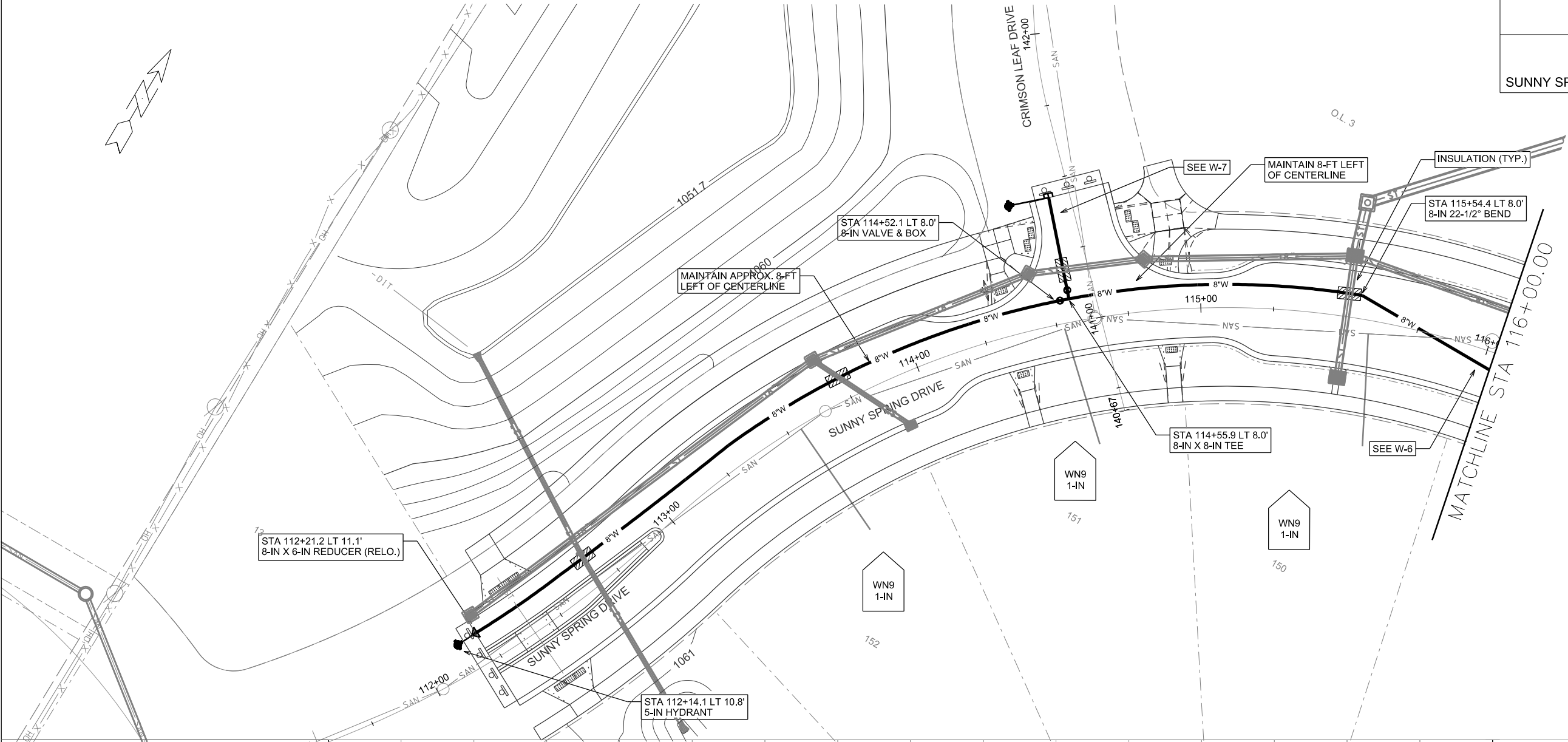


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DATE: 5/3/2018







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.)

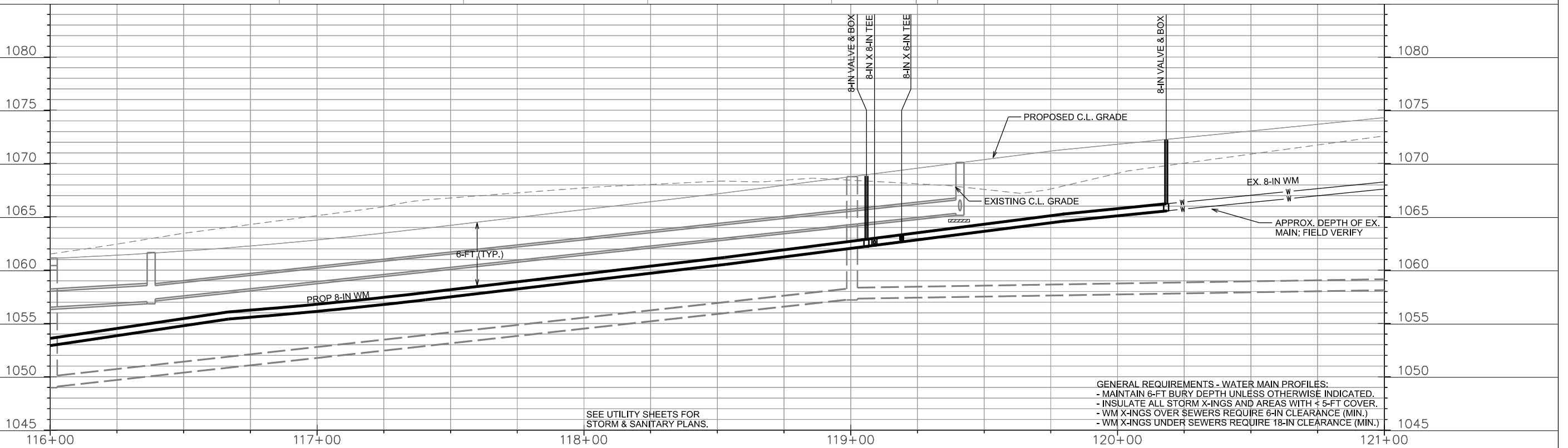
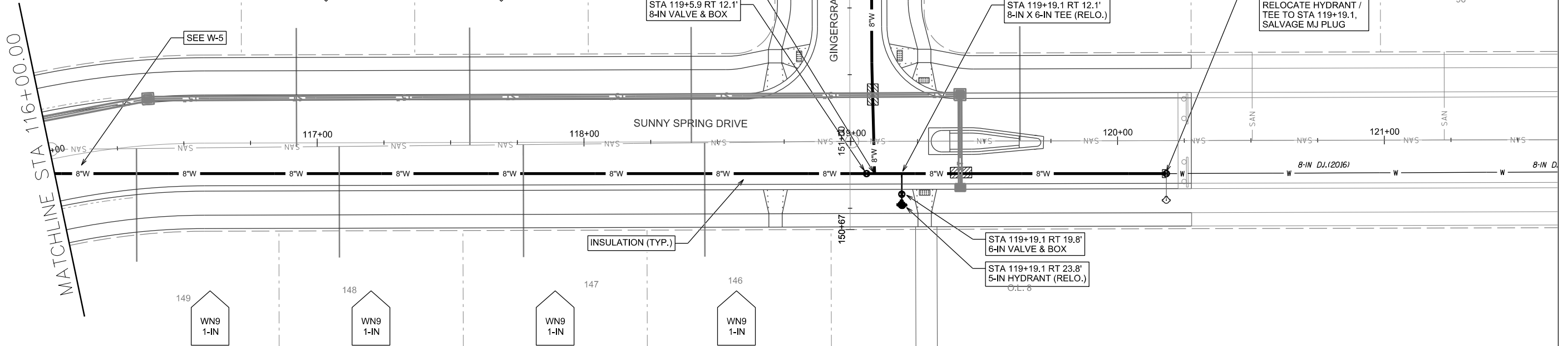
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. DATE: _____

PLOT NAME: _____

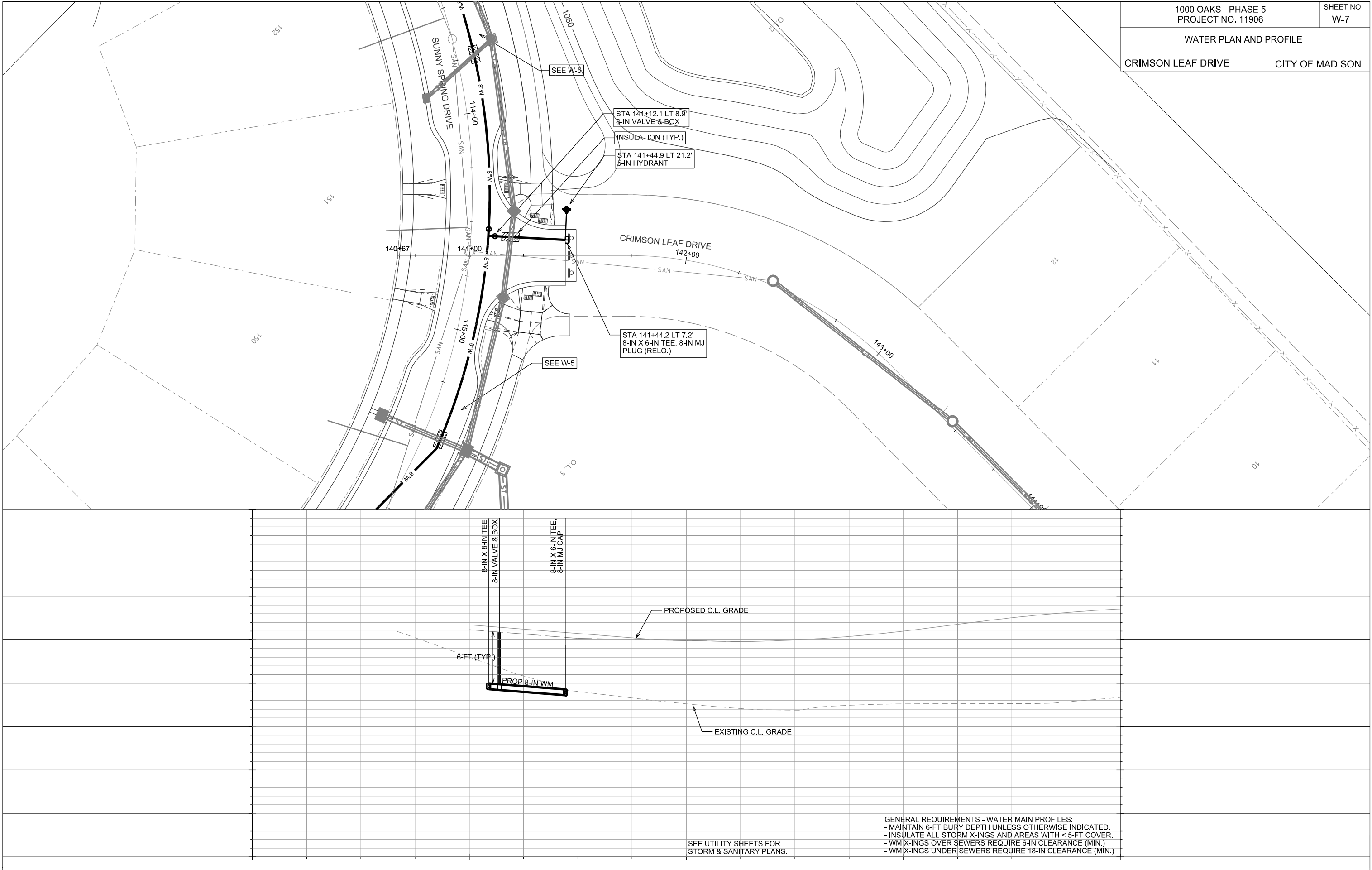
PLOT SCALE: _____

SUNNY SPRING 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: 1"=10'

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, WATER UTILITY

1000 OAKS - PH 5 CITY OF MADISON

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

3 - 5-IN HYDRANT
16-FT - 2-IN STYROFOAM INSULATION
2120-FT - POLY WRAP
1-IN TO 2-IN COPPER (AS REQ'D)

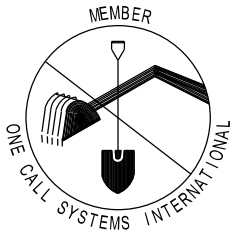
2120-FT - POLY WRAP

1-IN TO 2-IN COPPER (AS REQ'D)

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.



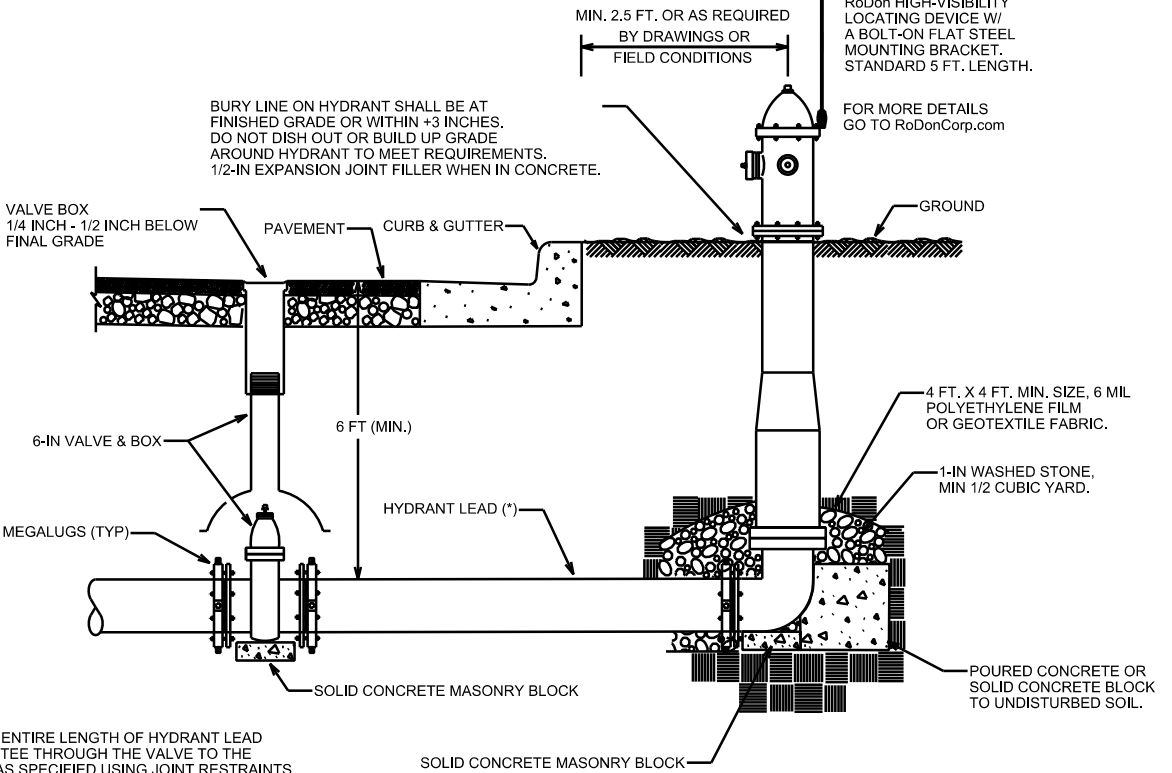
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

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.

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

1 - 8-IN X 6-IN REDUCER

REVISÉD: 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

TYPICAL HYDRANT INSTALLATION

City of Madison Standard Specifications for Public Works Construction