

Madison, Wisconsin

INDEX OF SHEETS

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CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

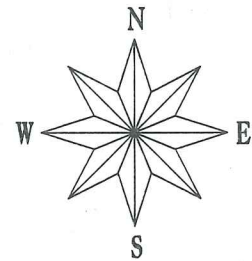
PLAN OF PROPOSED IMPROVEMENT

FIRST ADDITION TO 1000 OAKS PHASE 1

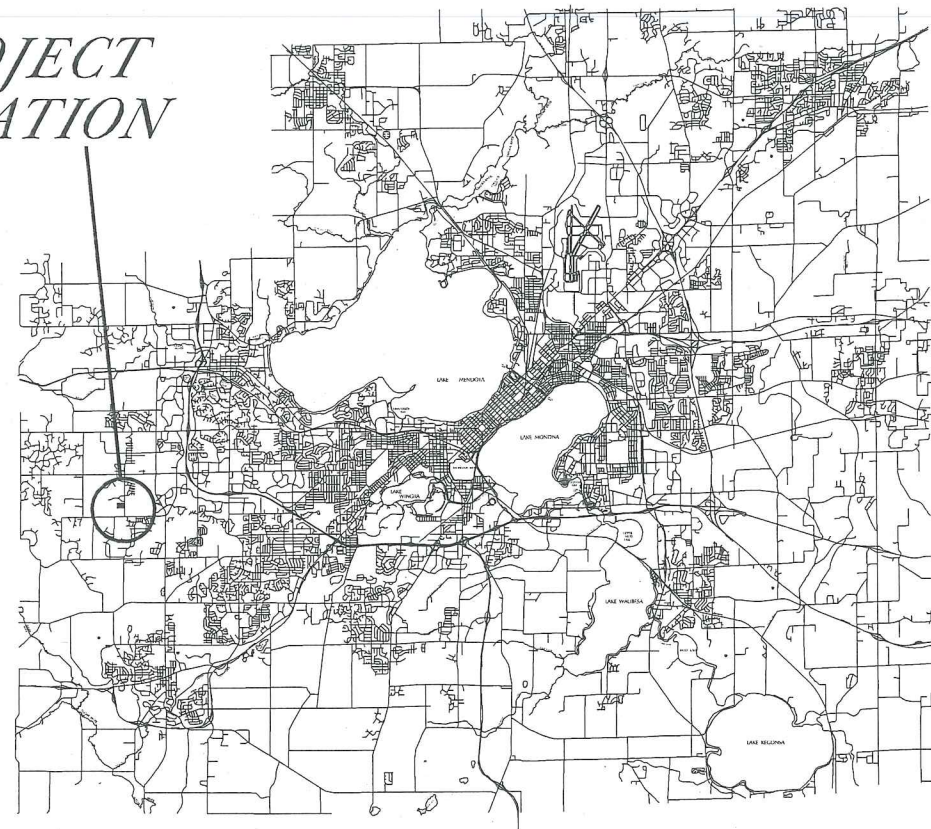
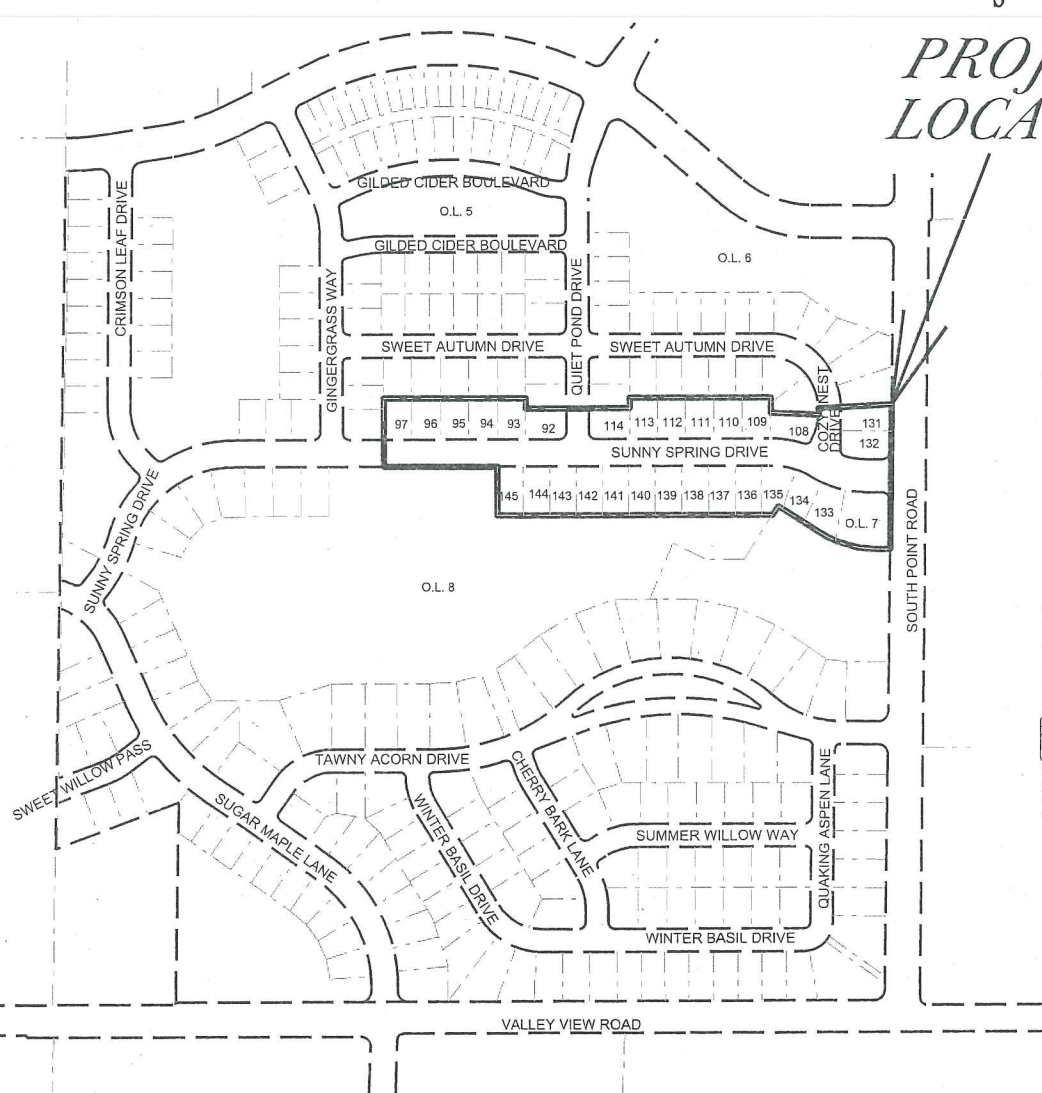
CITY PROJECT NO. 11311

CITY CONTRACT NO. 7648

MUNIS NO. 11311



PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 1, 2016

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 6/6/16
City Engineer Date

STREET GRADES DESIGNED BY:



STREET GEOMETRY DESIGNED BY:



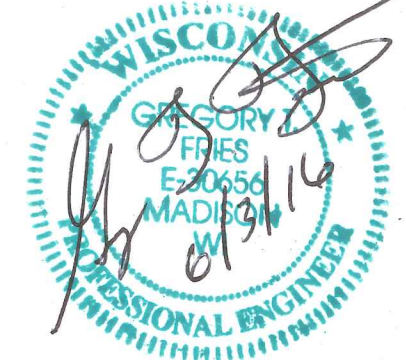
SANITARY SEWER DESIGNED BY:



WATER 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.

ALL PAVEMENT IN THE QUIET POND DRIVE AND COZY NEST 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 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.

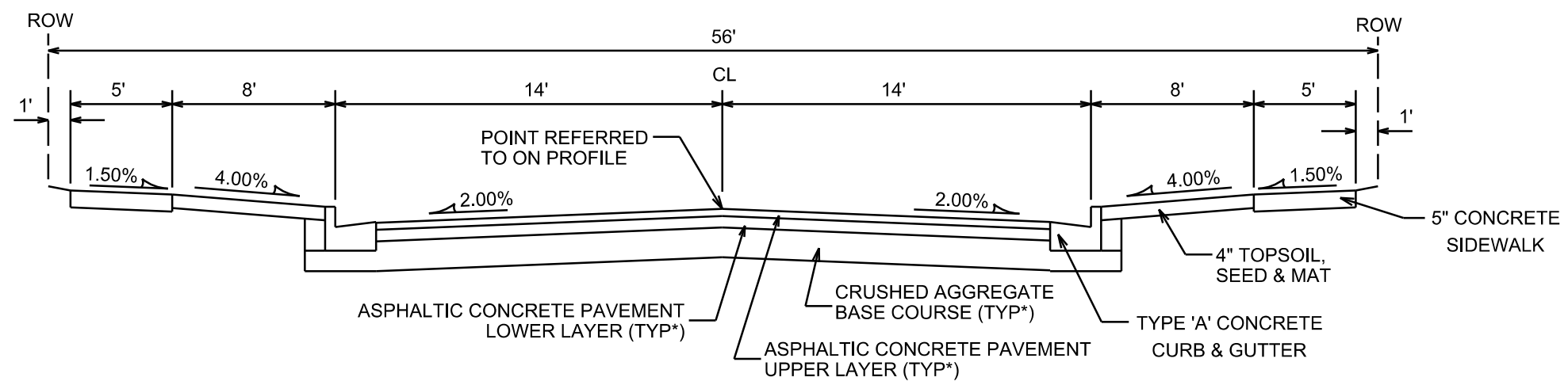
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	—— G ——
STORM SEWER	—— ST ——
SANITARY SEWER	—— SAN ——
WATER	—— W ——
OVERHEAD ELECTRIC	—— OH ——
POWER POLE	⊕
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

PLOT SCALE: _____

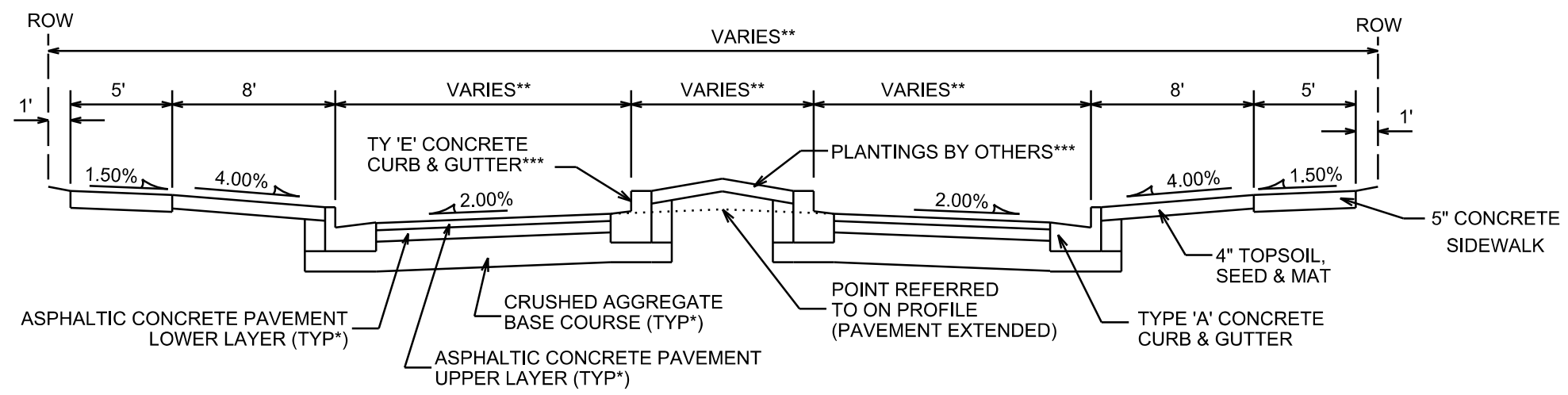
PLOT NAME: _____

REV. DATE: _____

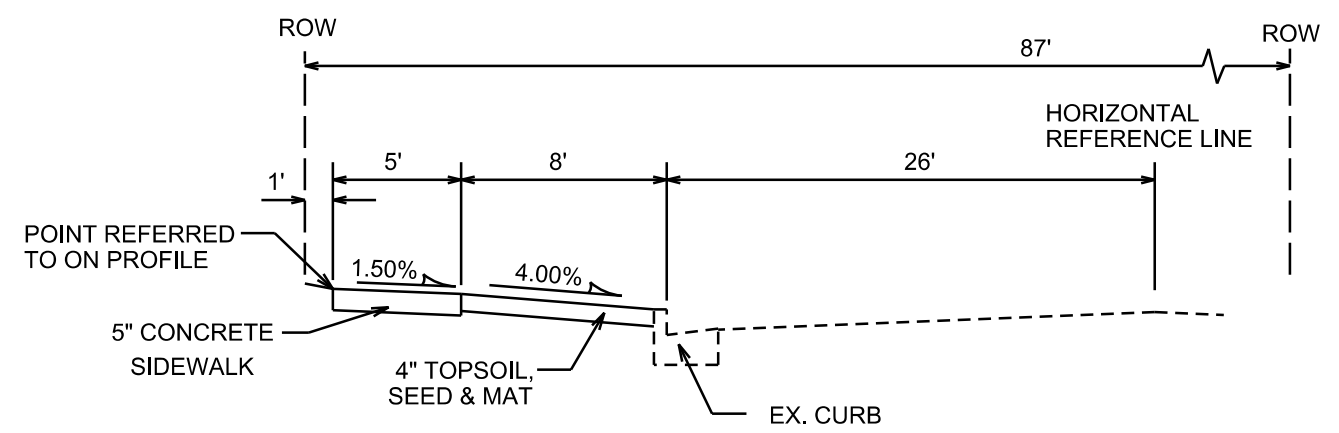
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION
QUIET POND DRIVE
NOT TO SCALE



TYPICAL SECTION
COZY NEST DRIVE
NOT TO SCALE



TYPICAL SECTION
SOUTH POINT ROAD
NOT TO SCALE

NOTES:

- * QUIET POND DRIVE AND COZY NEST DRIVE SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- ** SEE STREET PLAN AND PROFILES.
- *** ISLAND FROM STA 274+71 TO STA 275+18

CITY OF MADISON MINIMUM PAVEMENT DESIGN

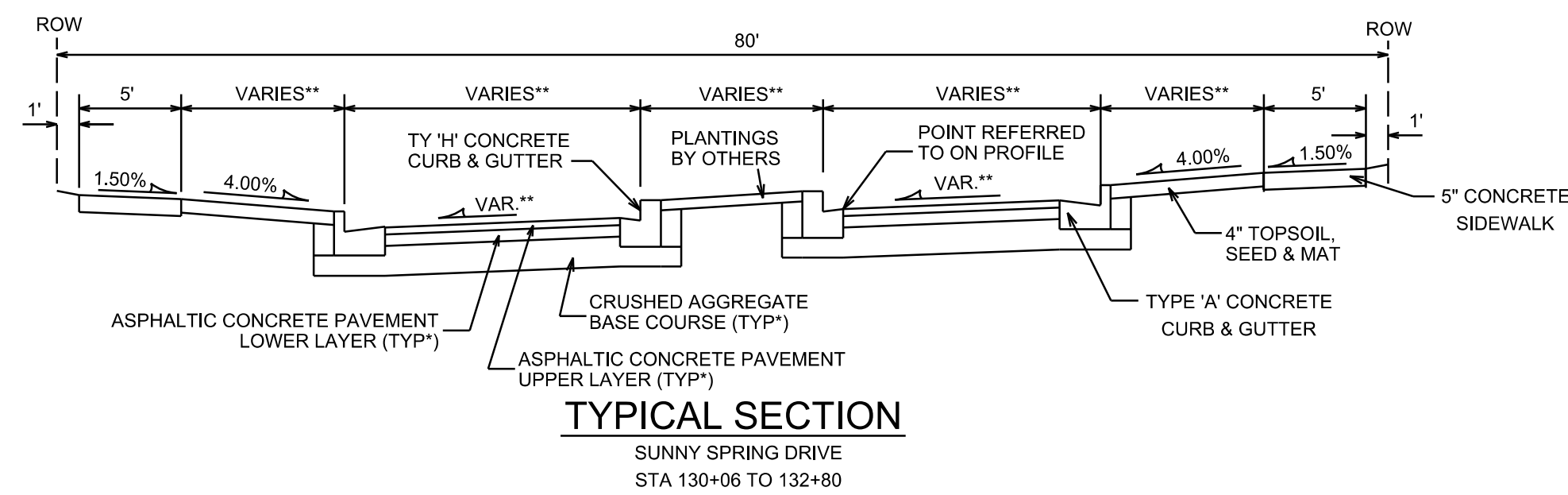
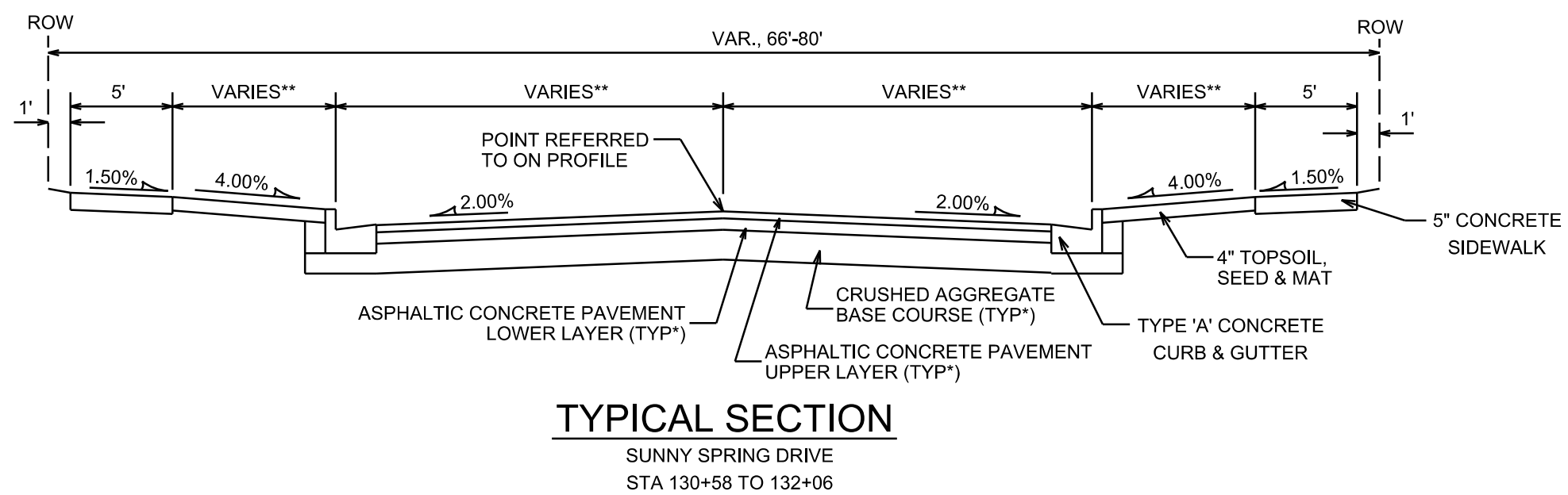
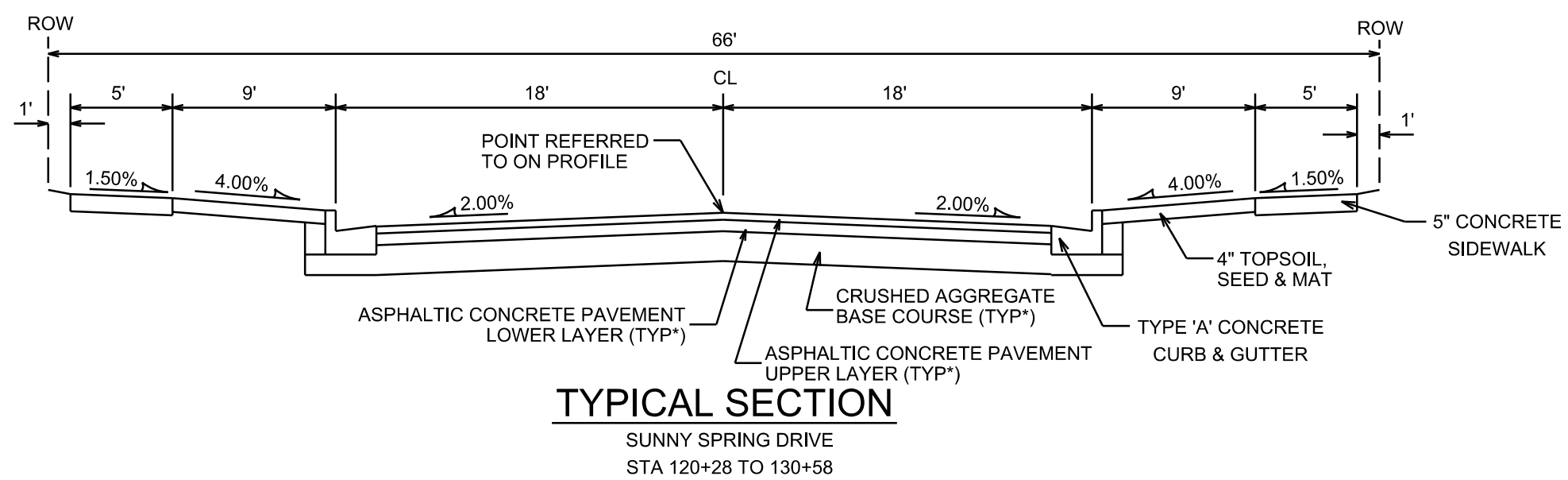
TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.25"	E-1	2"
C	6"	4"	E-3	3.25"	E-3	2"

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 STREET PLAN AND PROFILES
 TYPICAL SECTIONS NOT TO SCALE

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER TYPE	LOWER LAYER THICKNESS	UPPER LAYER TYPE	UPPER LAYER THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.25"	E-1	2"
C	6"	4"	E-3	3.25"	E-3	2"

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

SCALE: 1"=20'

NOTE:
SEE STREET PLAN AND PROFILE FOR OUTER CURB GRADES

SCALE: 1"=20'

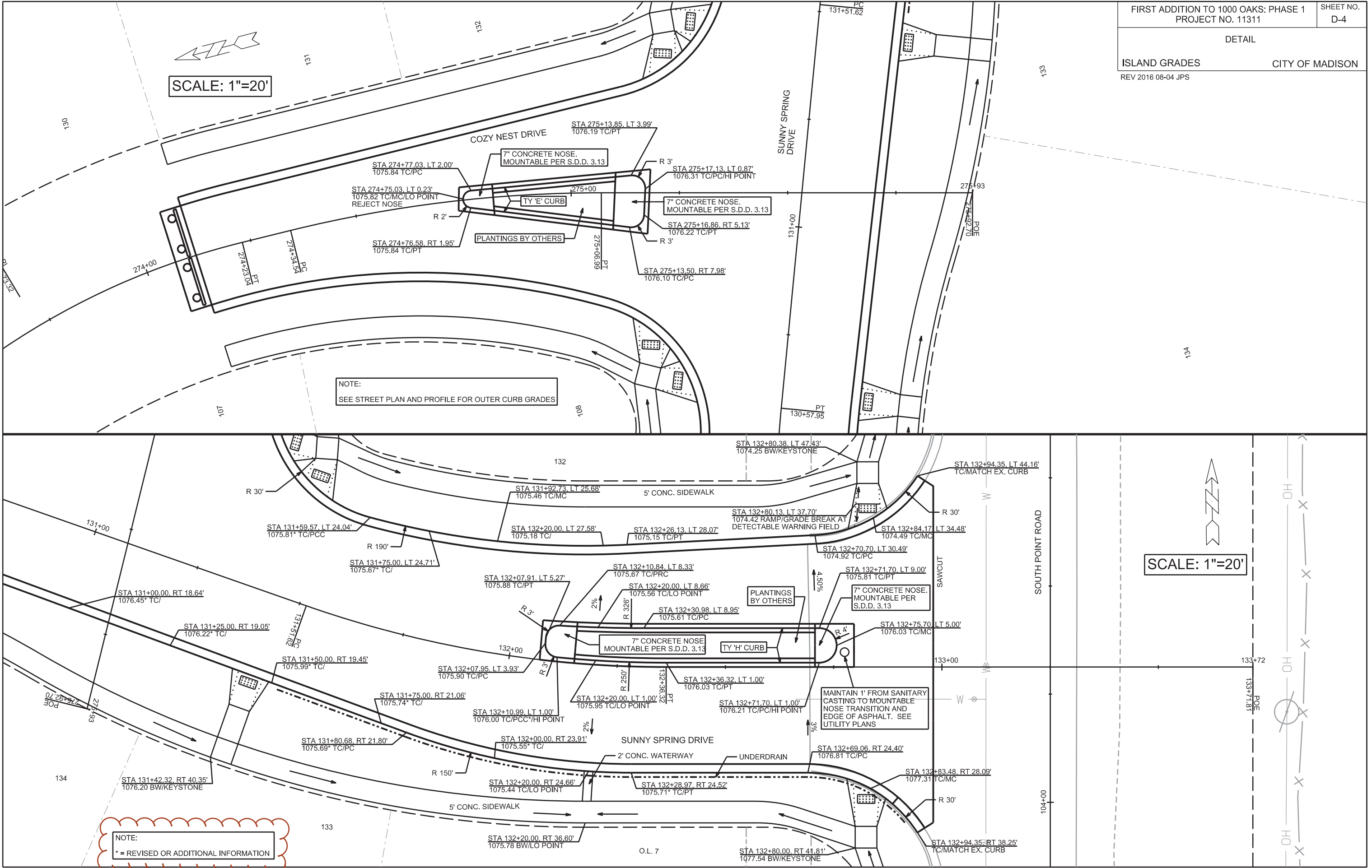
NOTE:
* = REVISED OR ADDITIONAL INFORMATION

PLOT SCALE: _____

PLOT NAME: _____

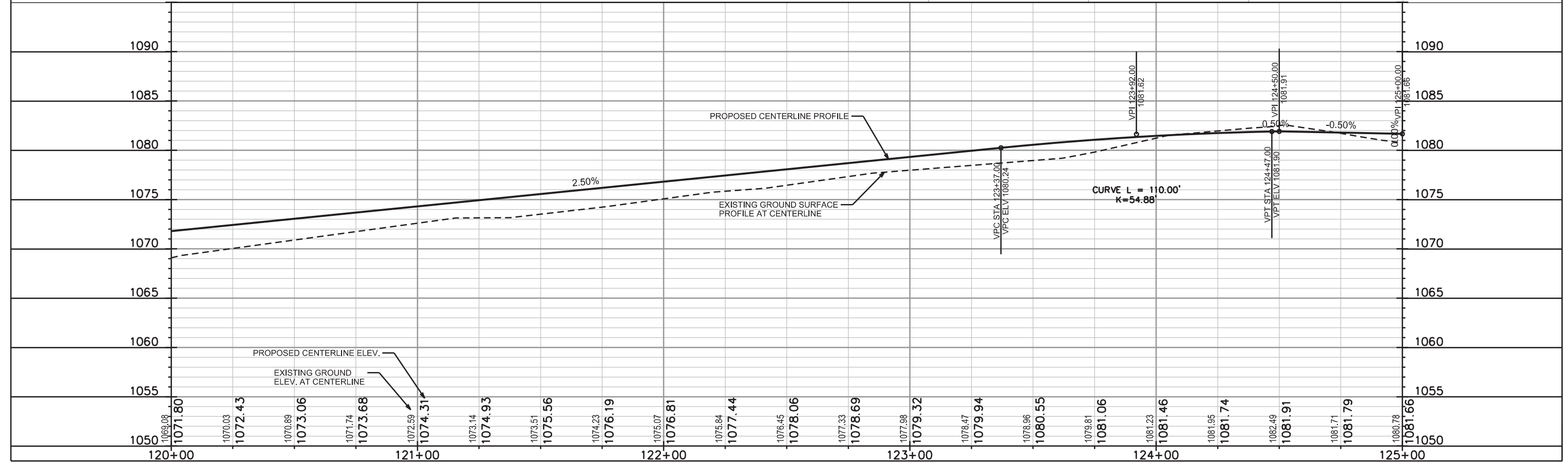
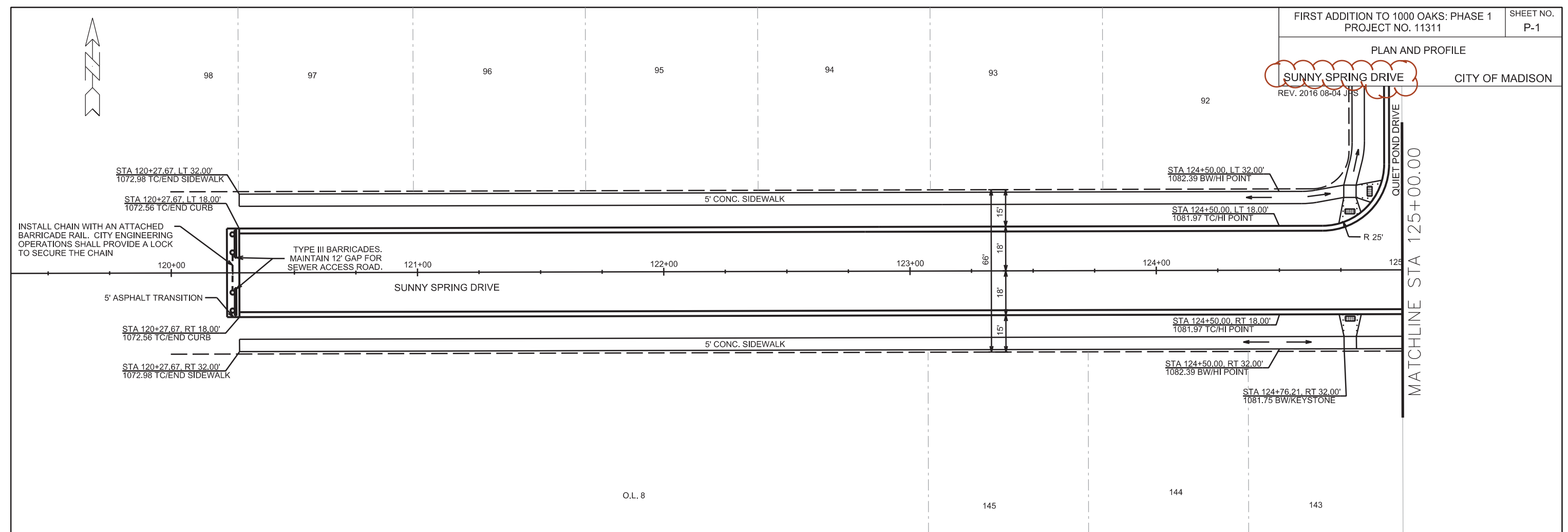
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

SUNNY SPRING DRIVE
REV. 2016 08-04 JHS
CITY OF MADISON



PLOT SCALE: _____

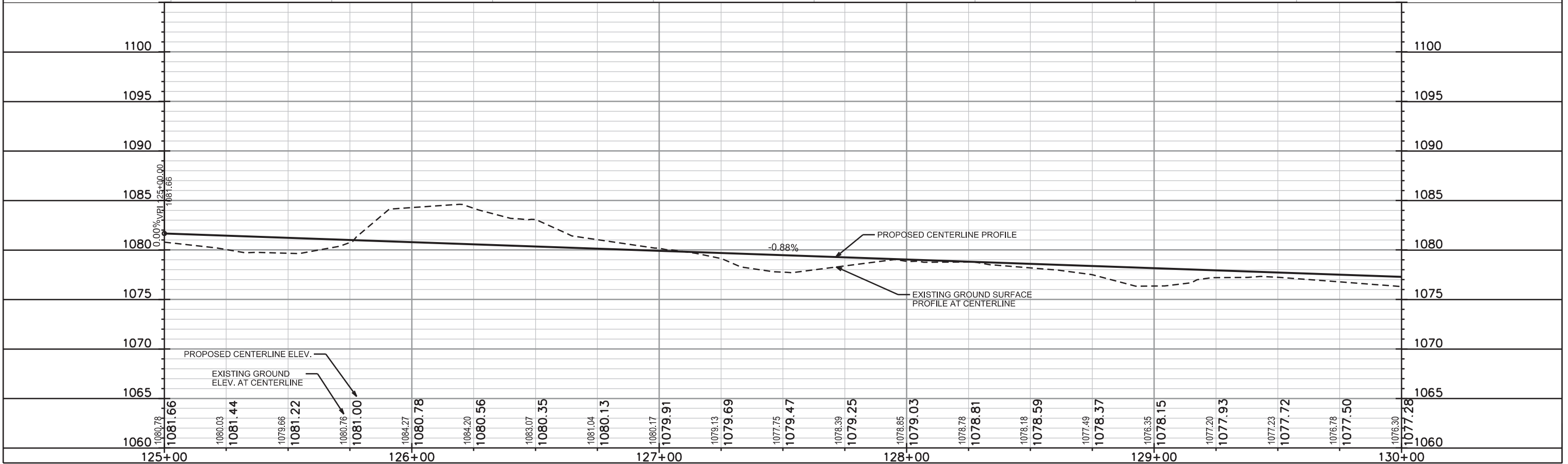
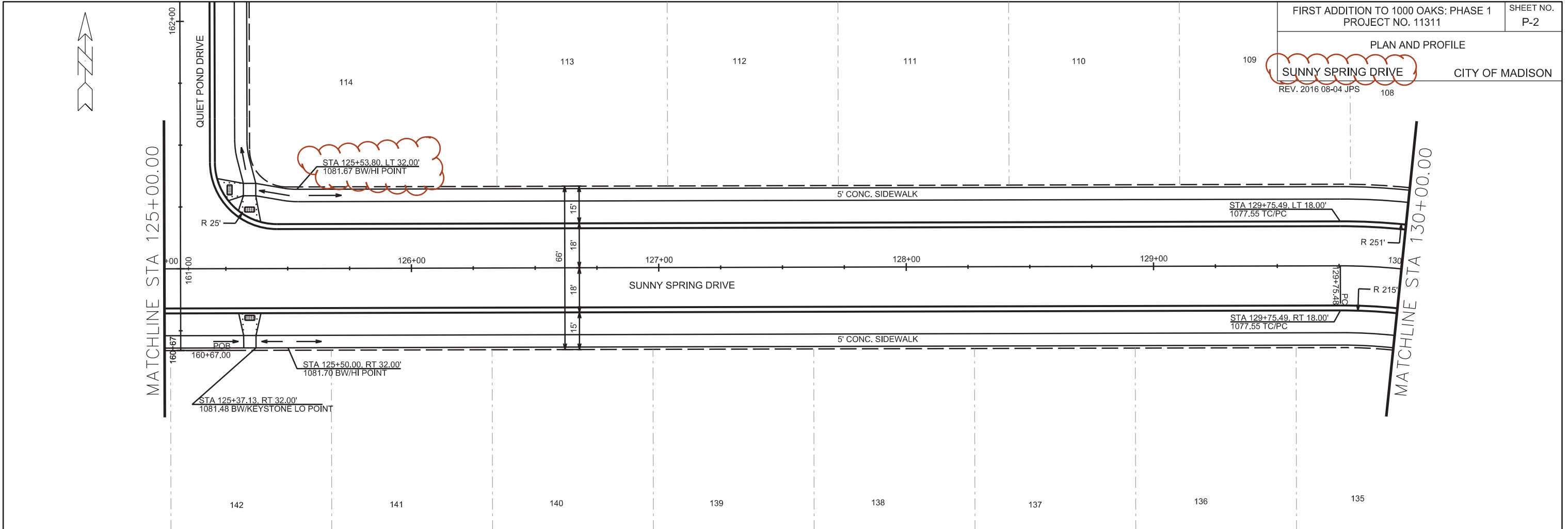
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

SUNNY SPRING DRIVE
REV. 2016 08-04 JPS
CITY OF MADISON



PLOT SCALE: _____

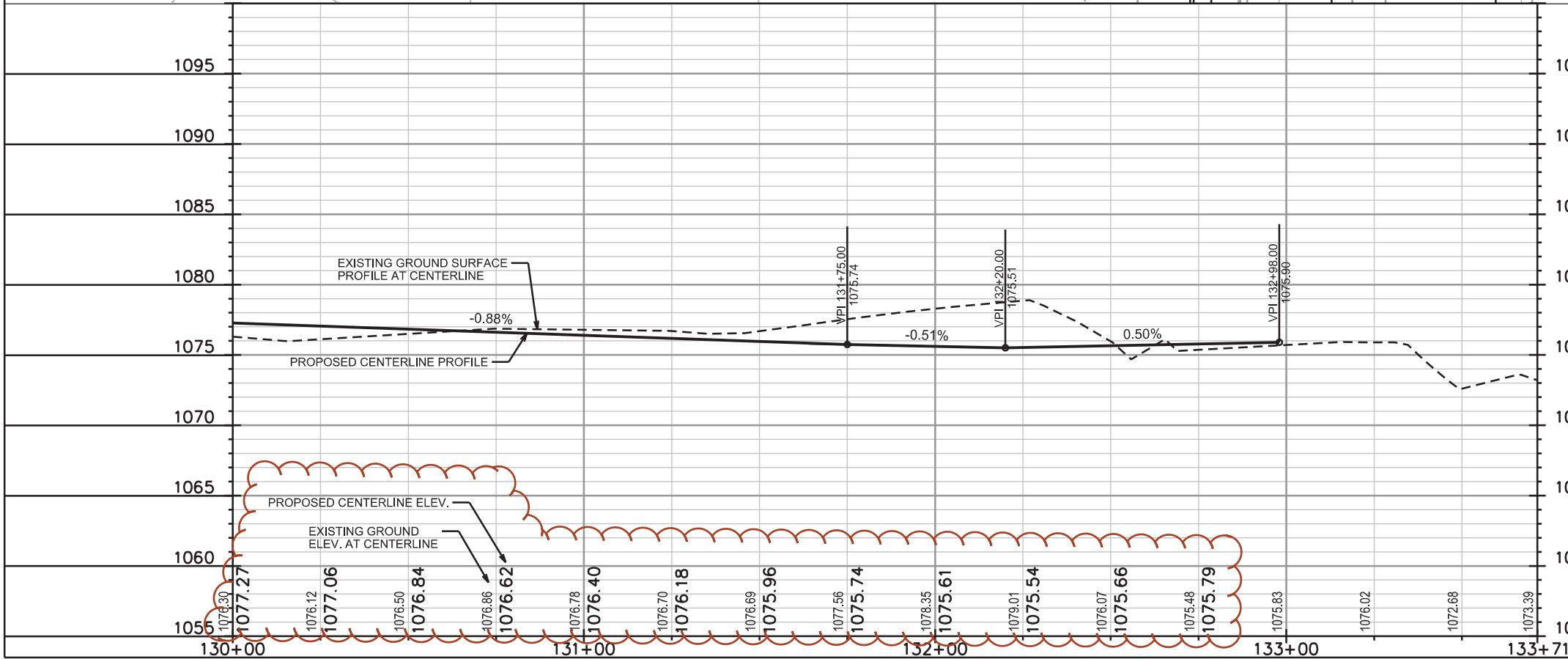
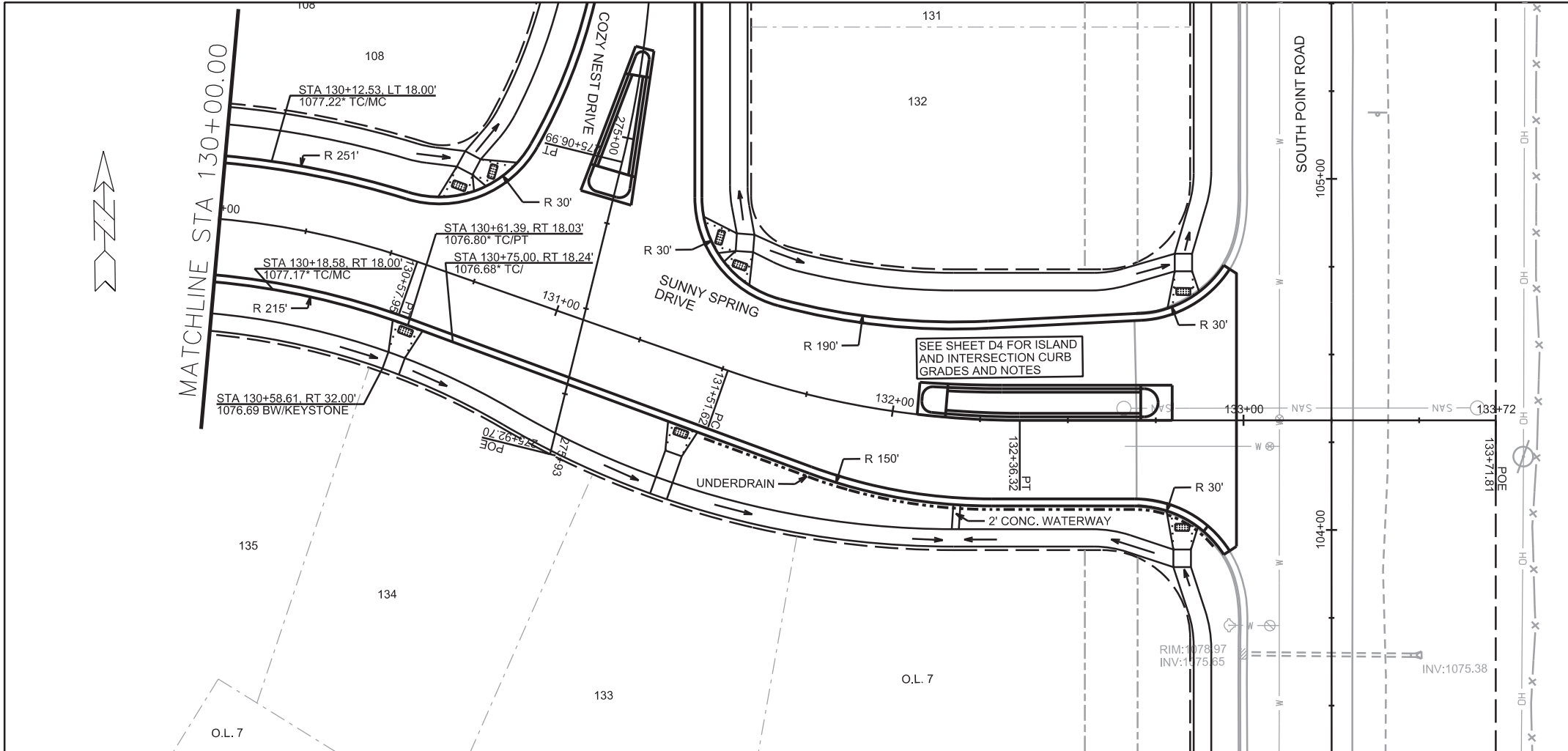
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTE:
* = REVISED OR ADDITIONAL INFORMATION

LANDS

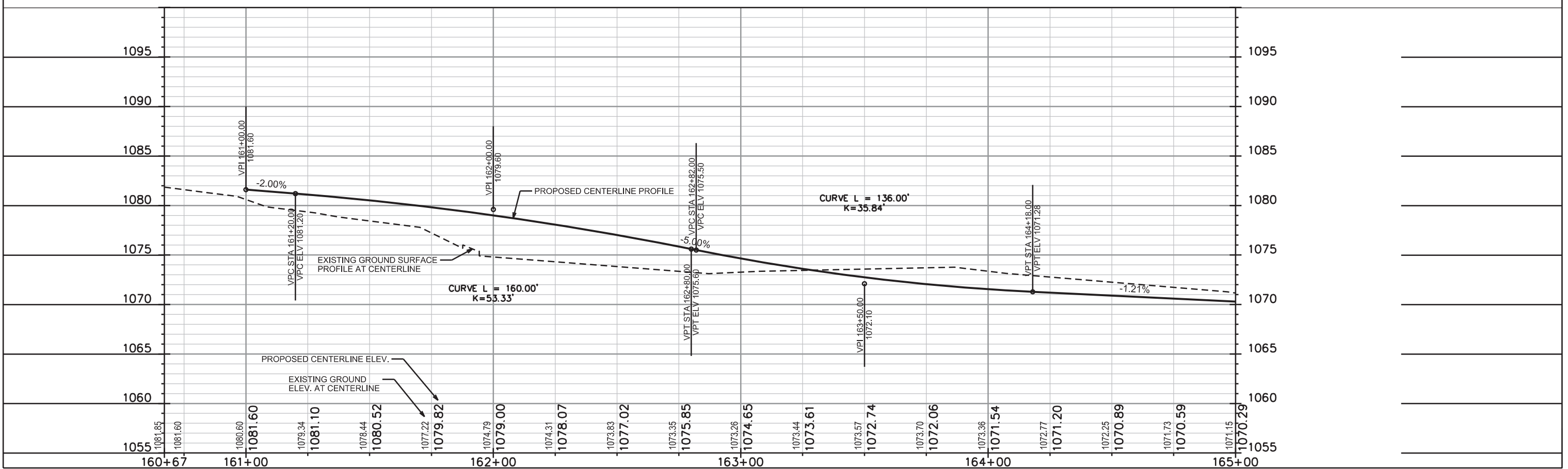
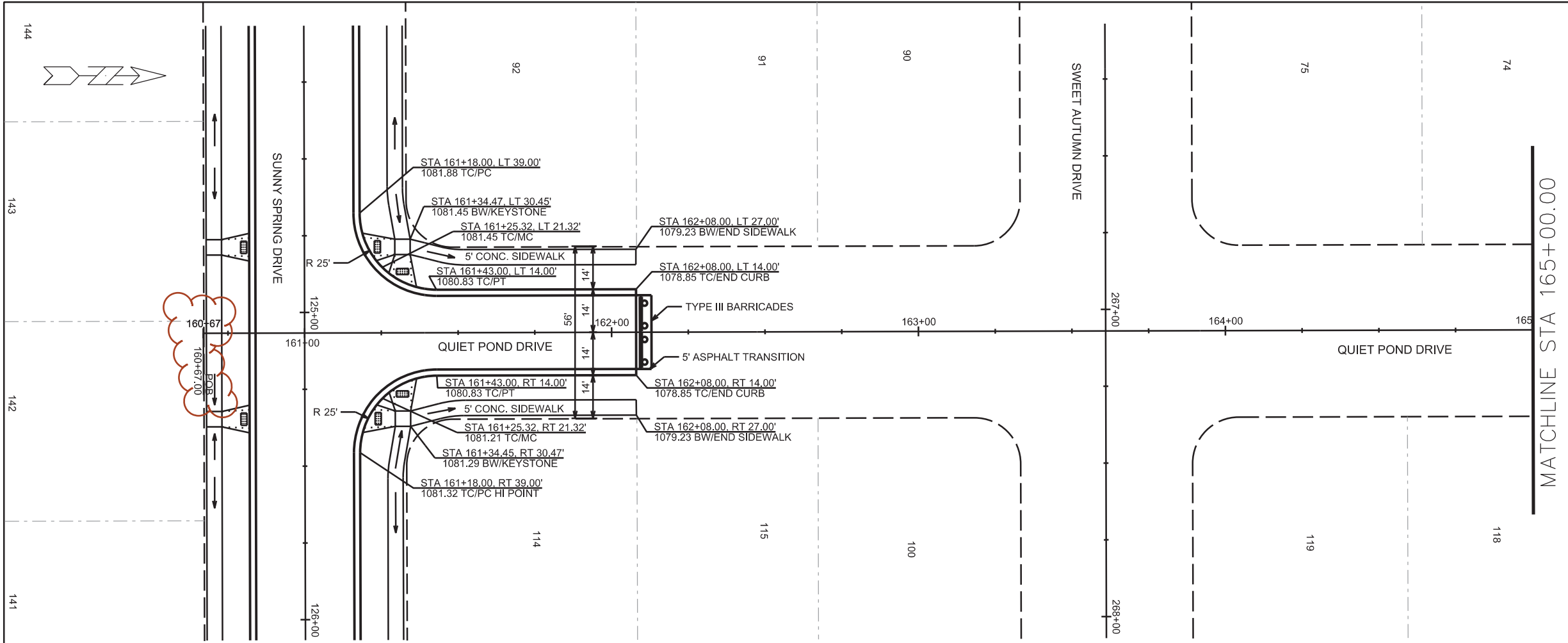


PLOT SCALE: _____

PLOT NAME: _____

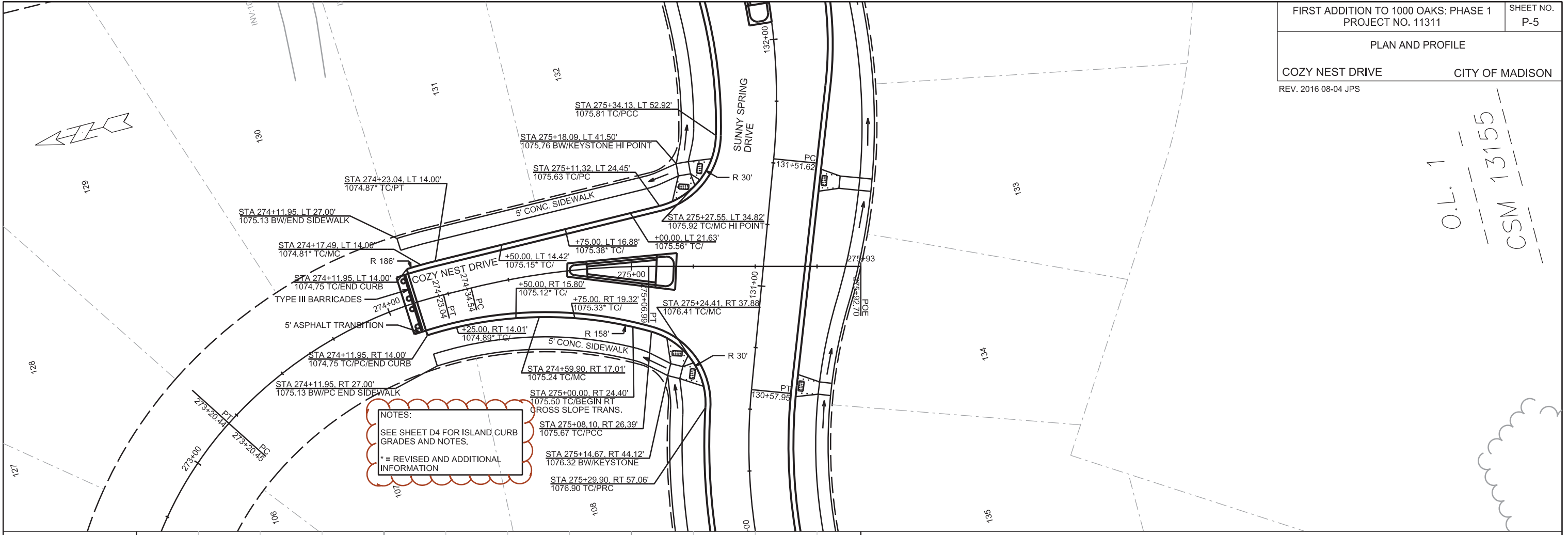
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

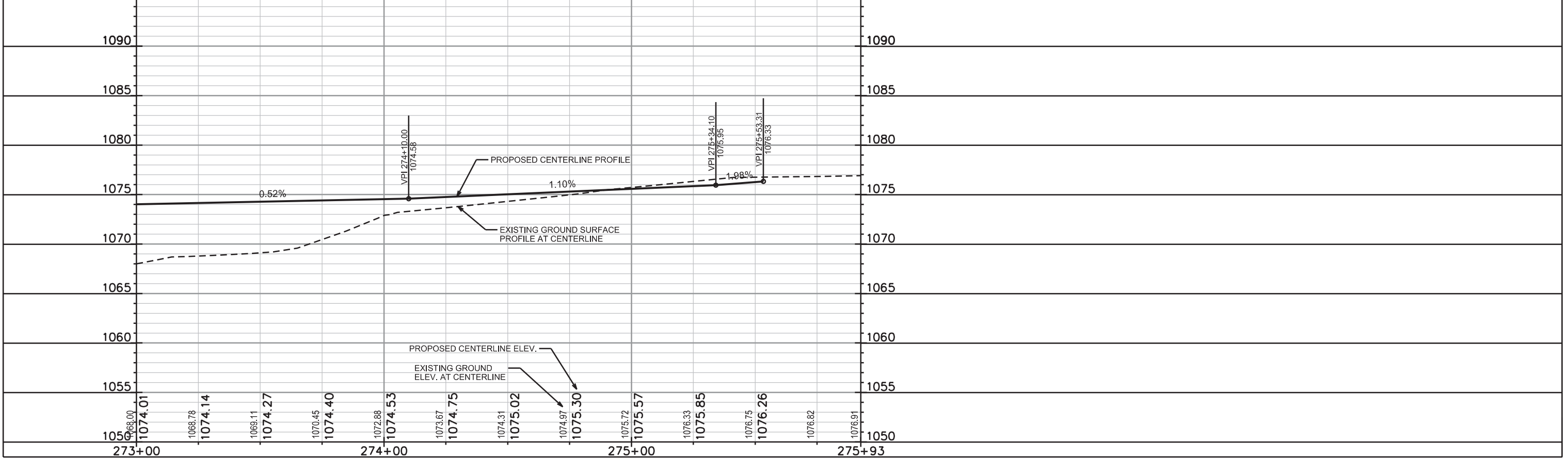


PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

O.L. 1
CSM 13155



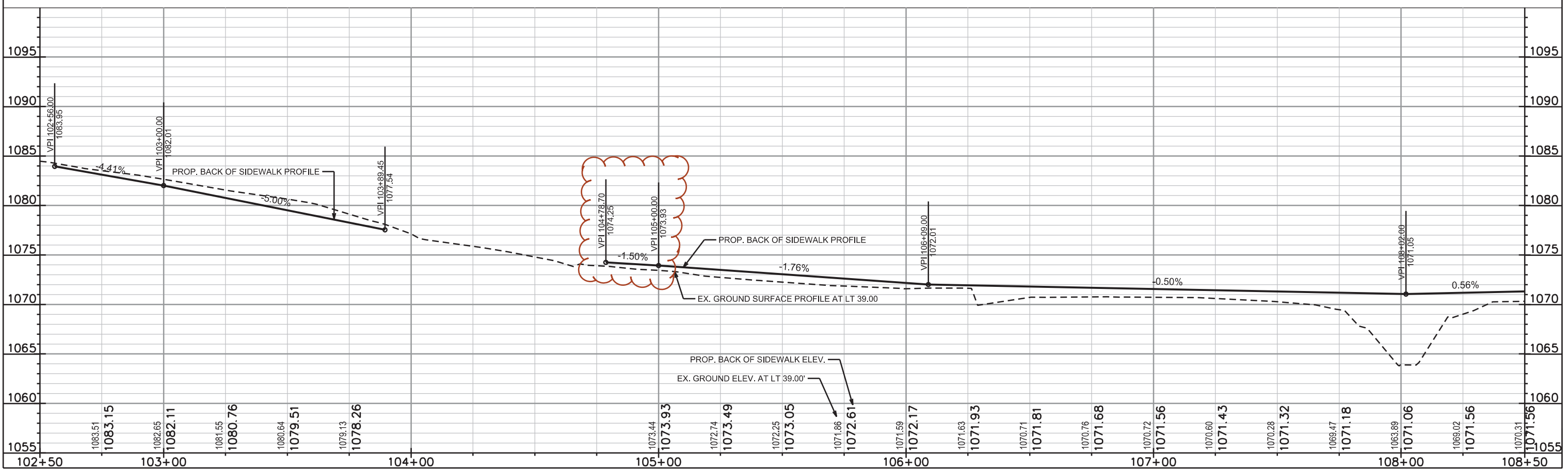
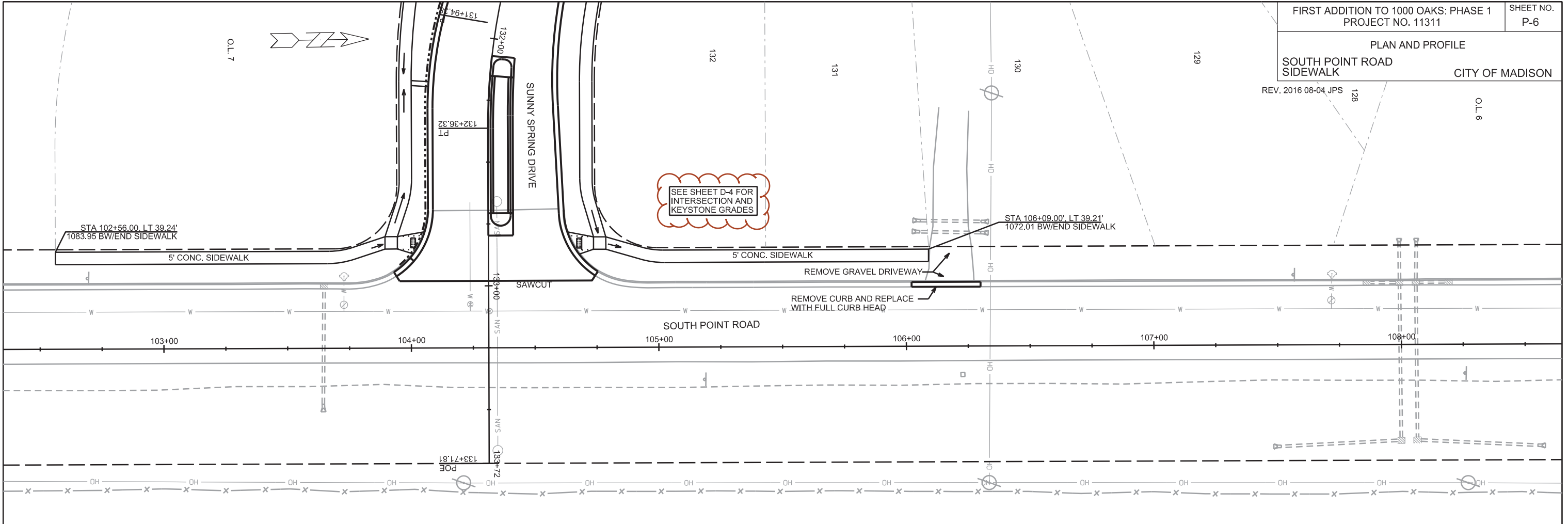
NOTES:
SEE SHEET D4 FOR ISLAND CURB GRADES AND NOTES.
* = REVISED AND ADDITIONAL INFORMATION



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

REV. 2016 08-04 JPS

SEE SHEET D-4 FOR
INTERSECTION AND
KEYSTONE GRADES

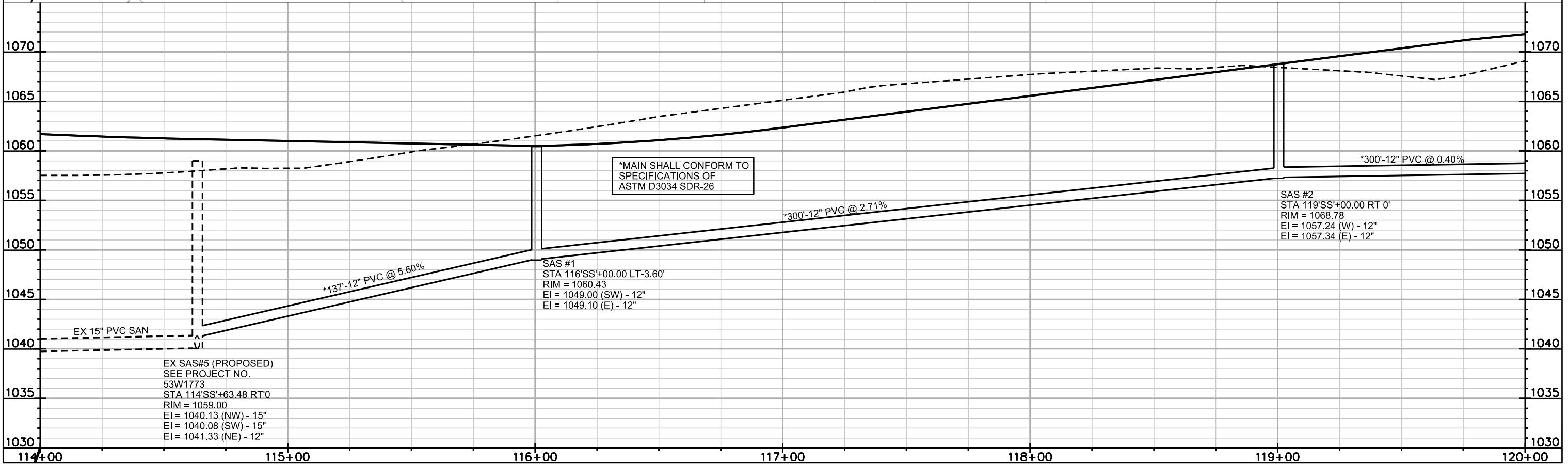
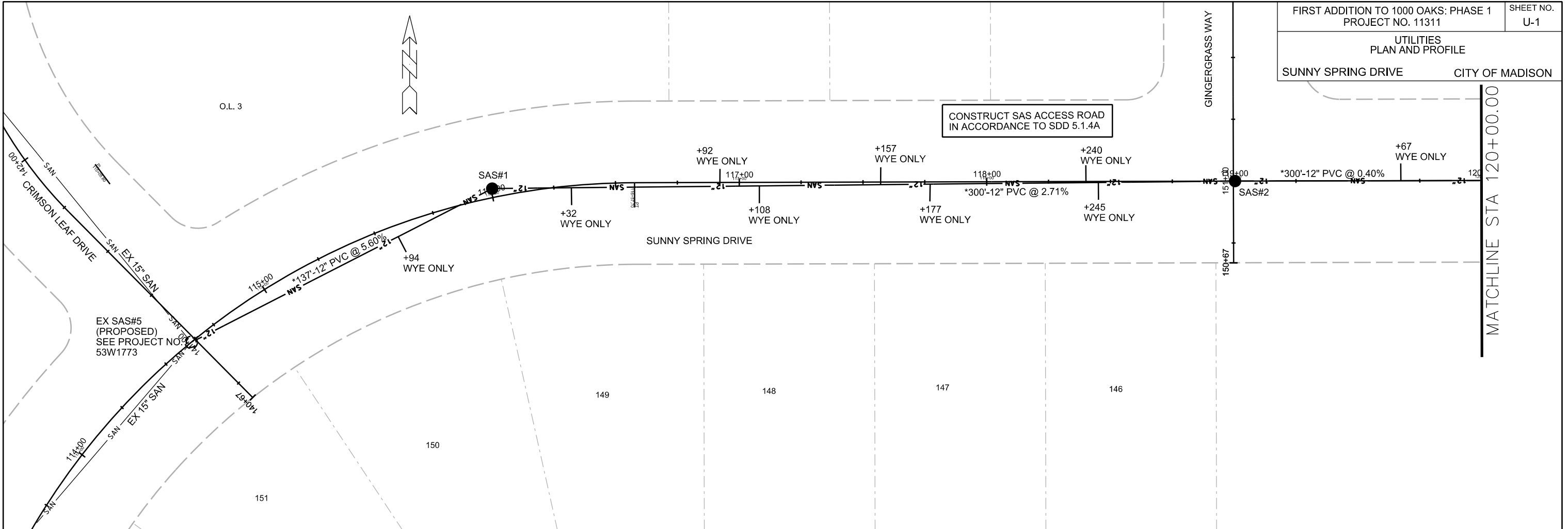


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

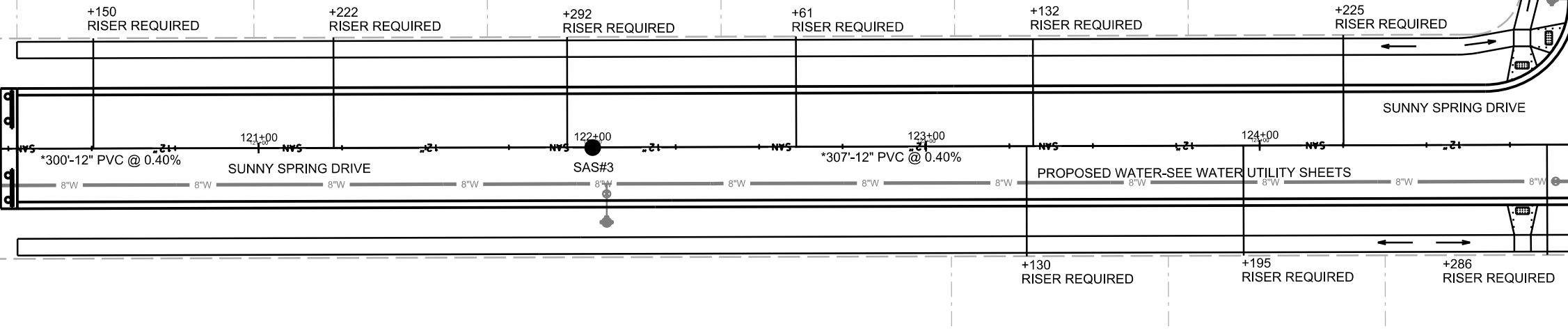
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 120+00.00

MATCHLINE STA 125+00.00



O.L. 8

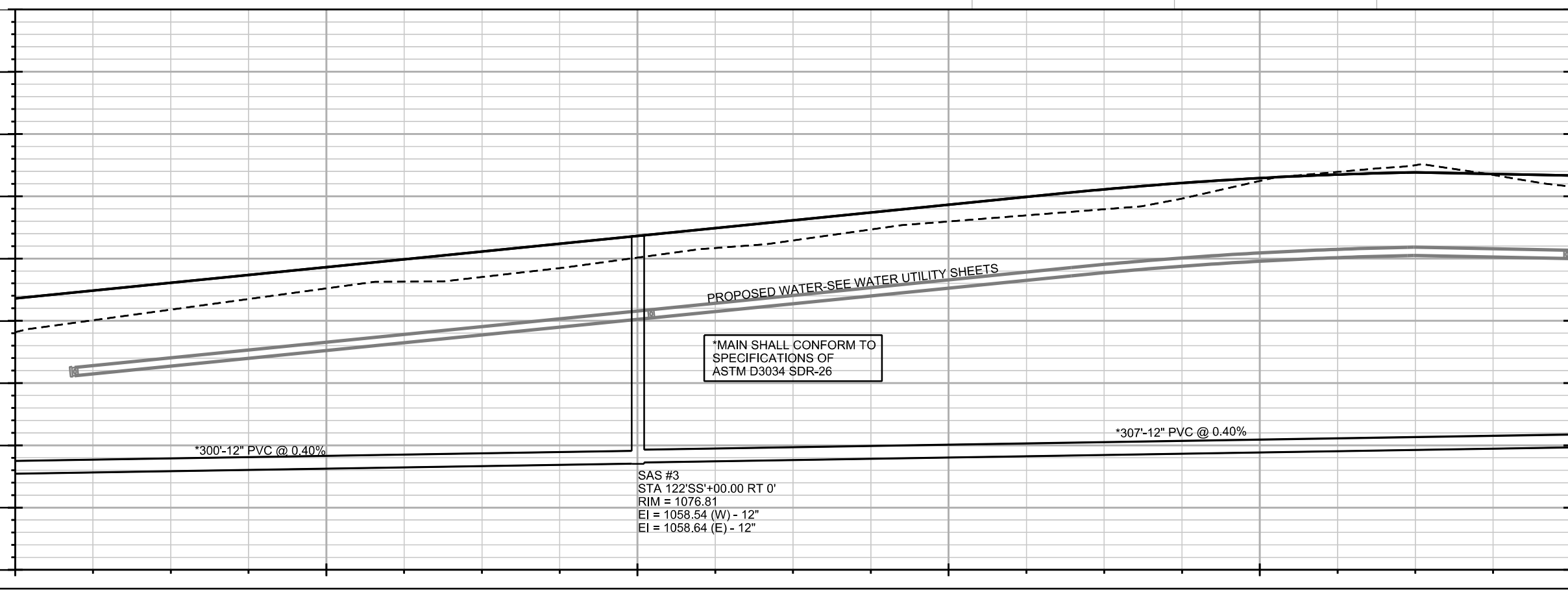
O.L. 8

145

144

143

C



*MAIN SHALL CONFORM TO
SPECIFICATIONS OF
ASTM D3034 SDR-26

SAS #3
STA 122+00.00 RT 0'
RIM = 1076.81
EI = 1058.54 (W) - 12"
EI = 1058.64 (E) - 12"

*300-12" PVC @ 0.40%

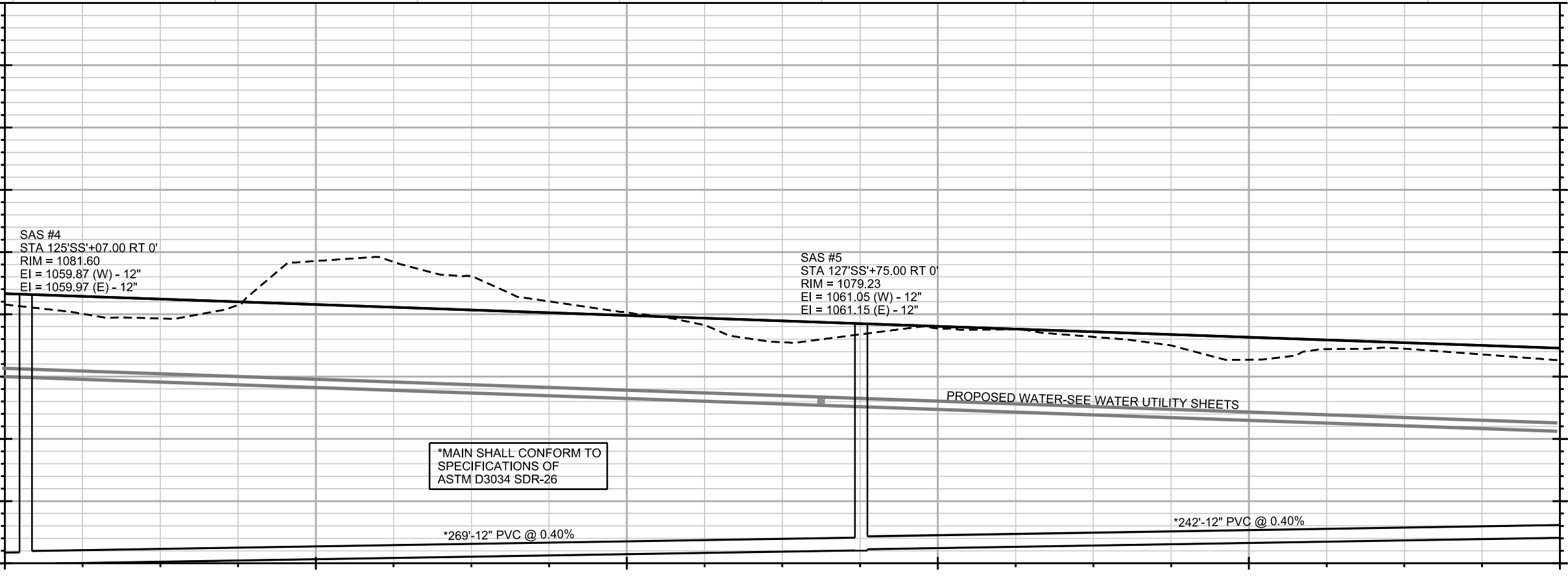
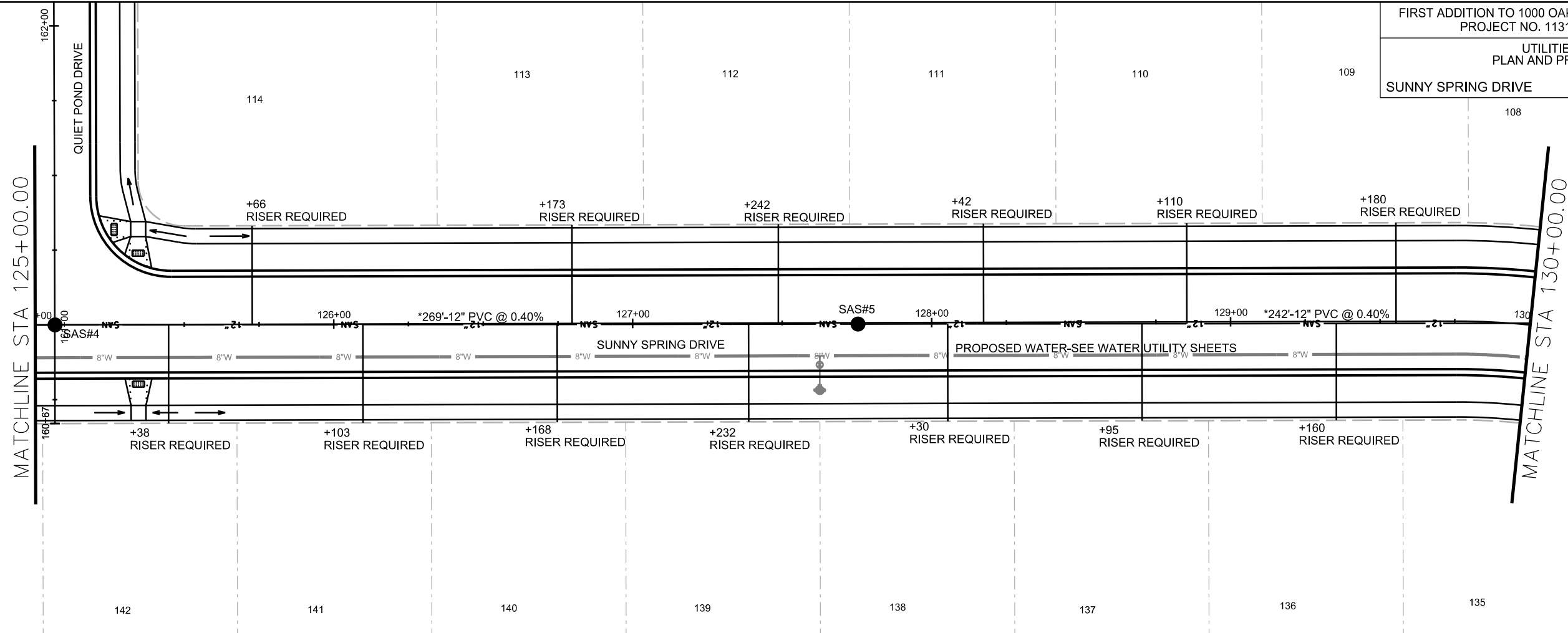
*307-12" PVC @ 0.40%

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

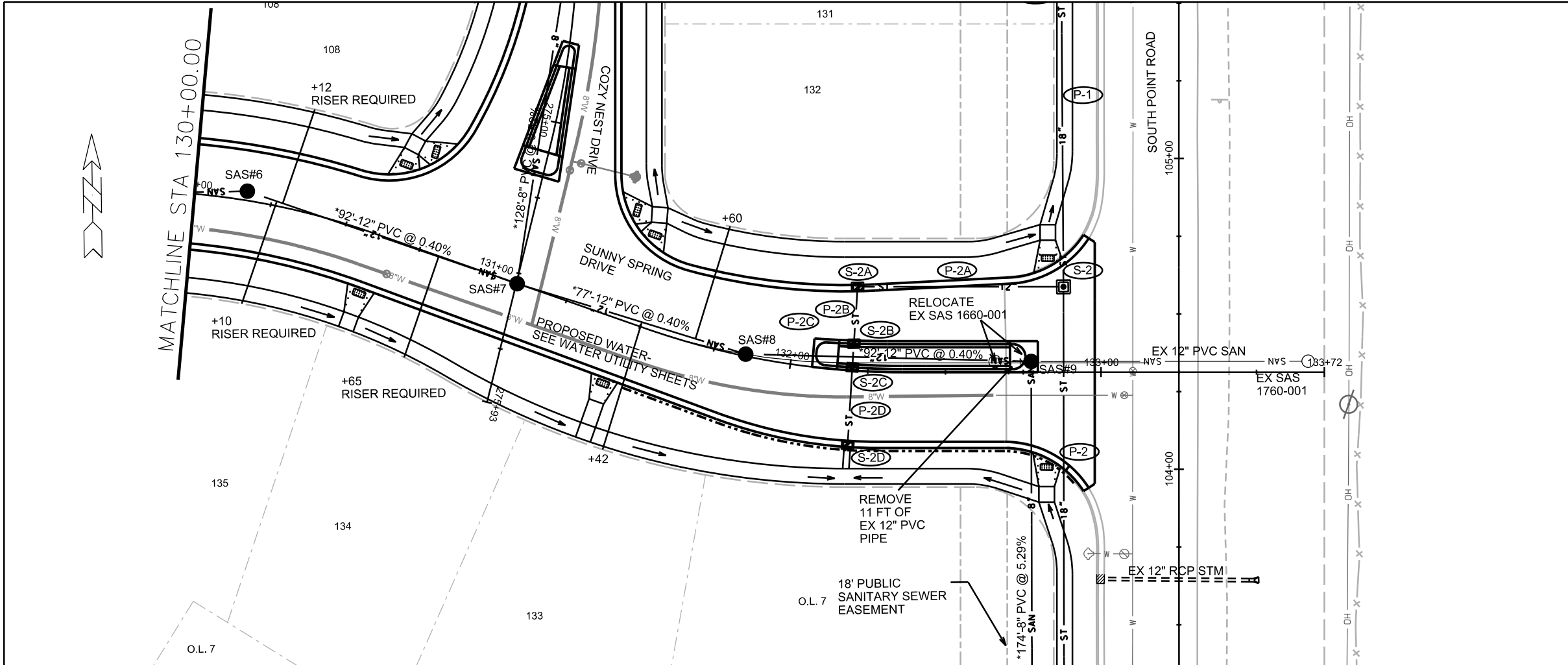


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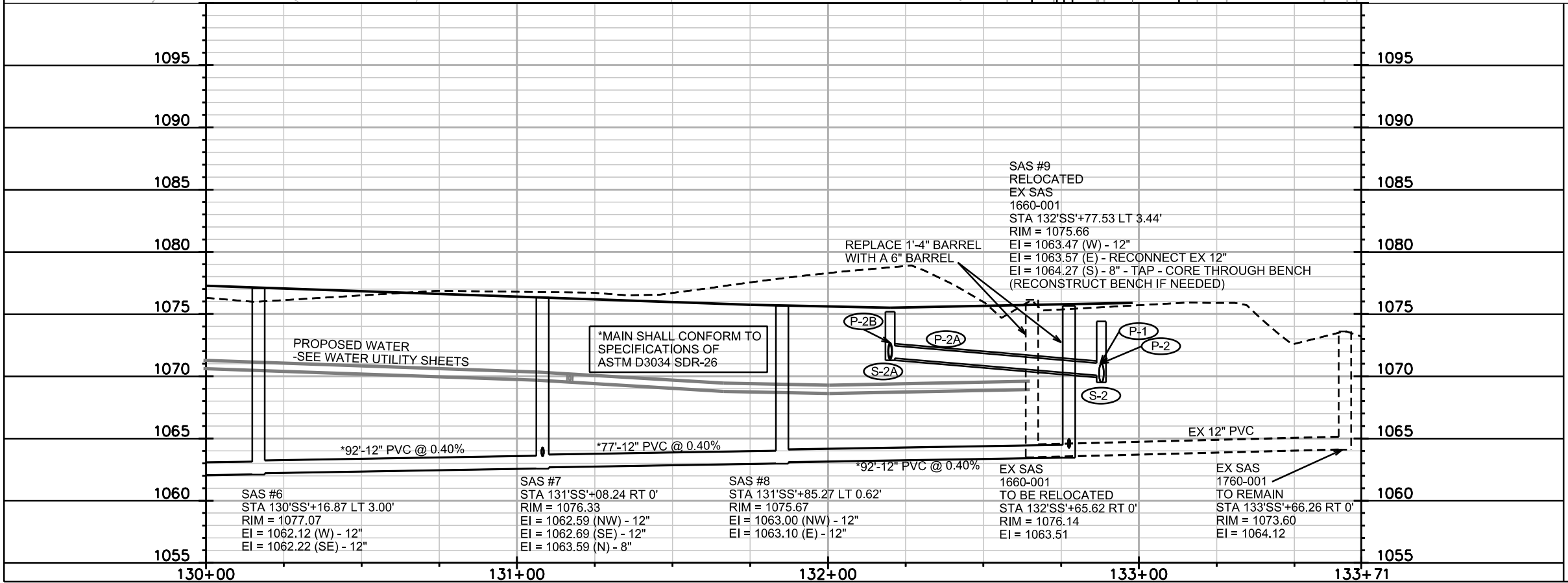
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



LANDS

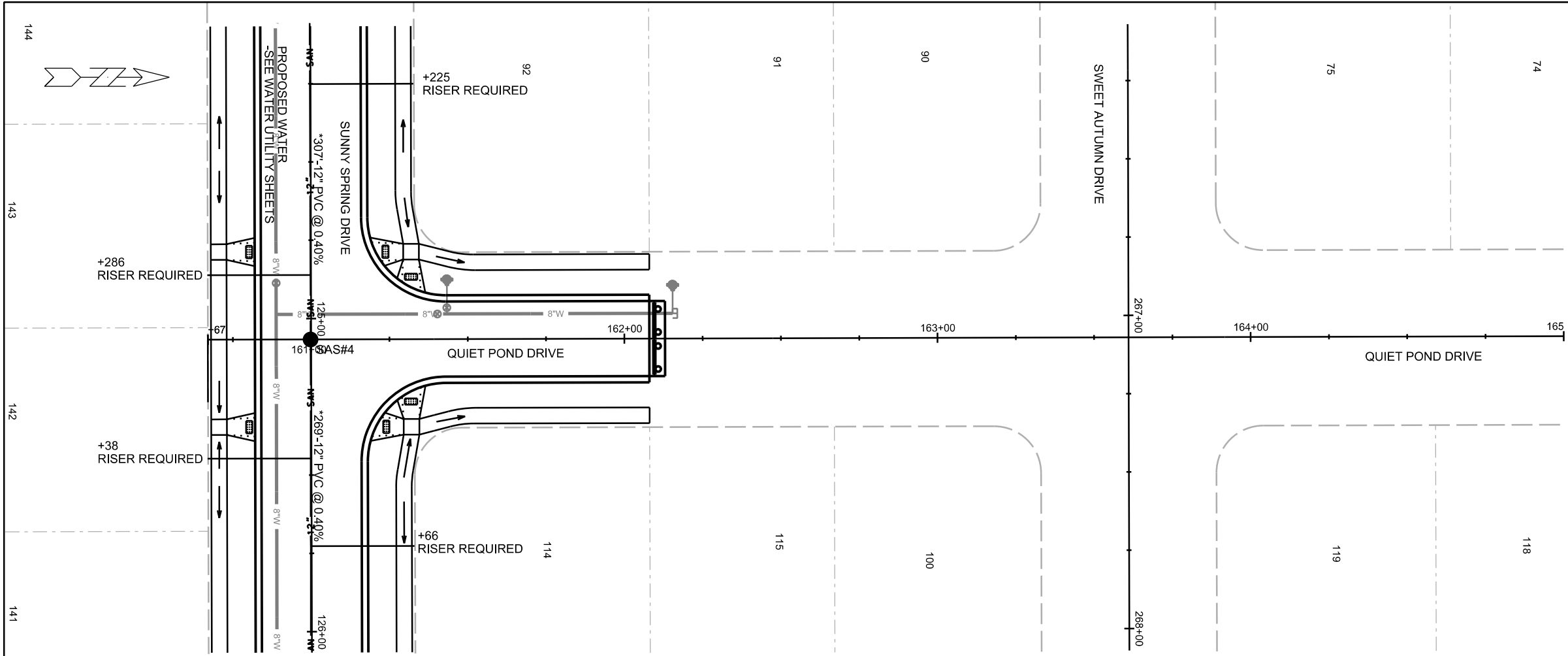


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

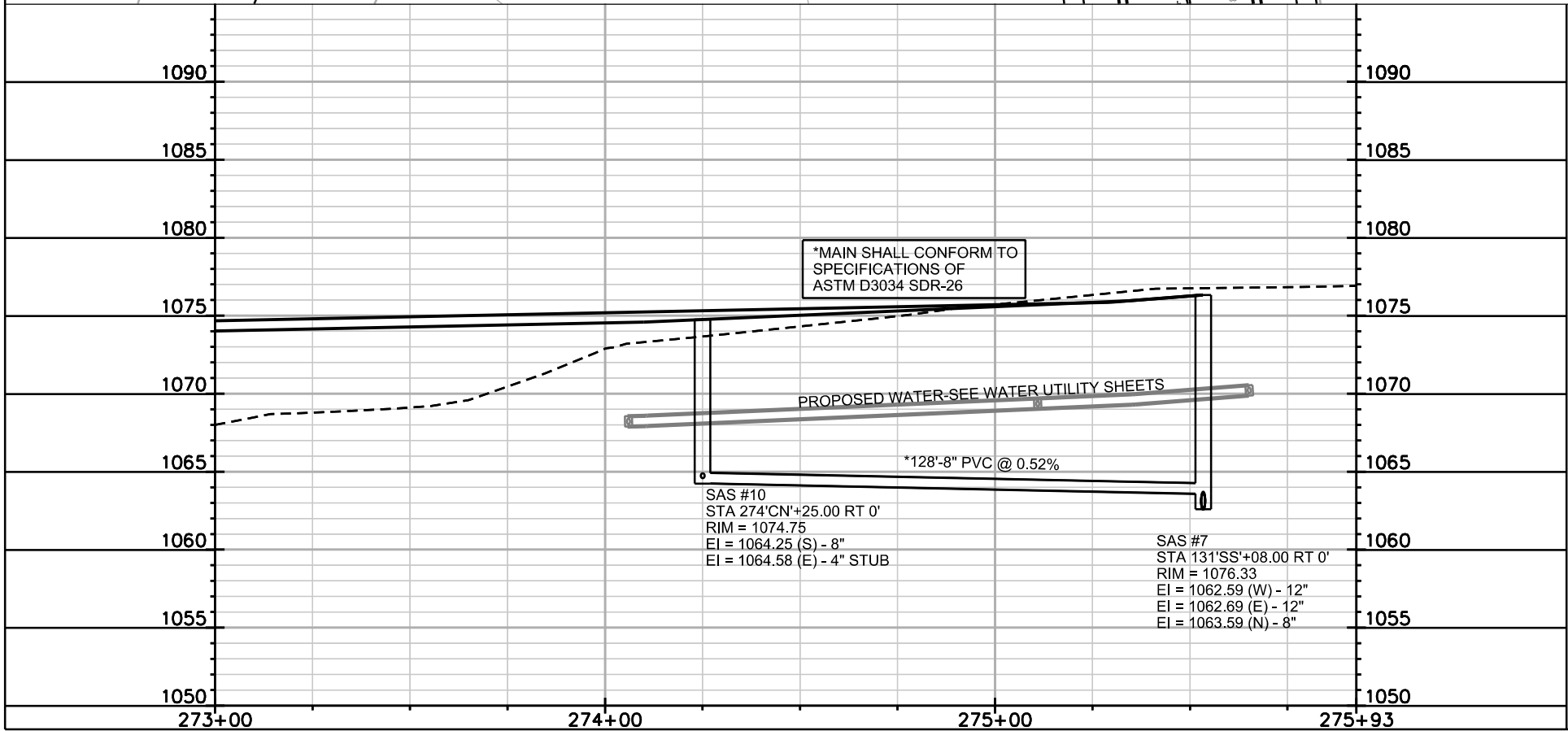
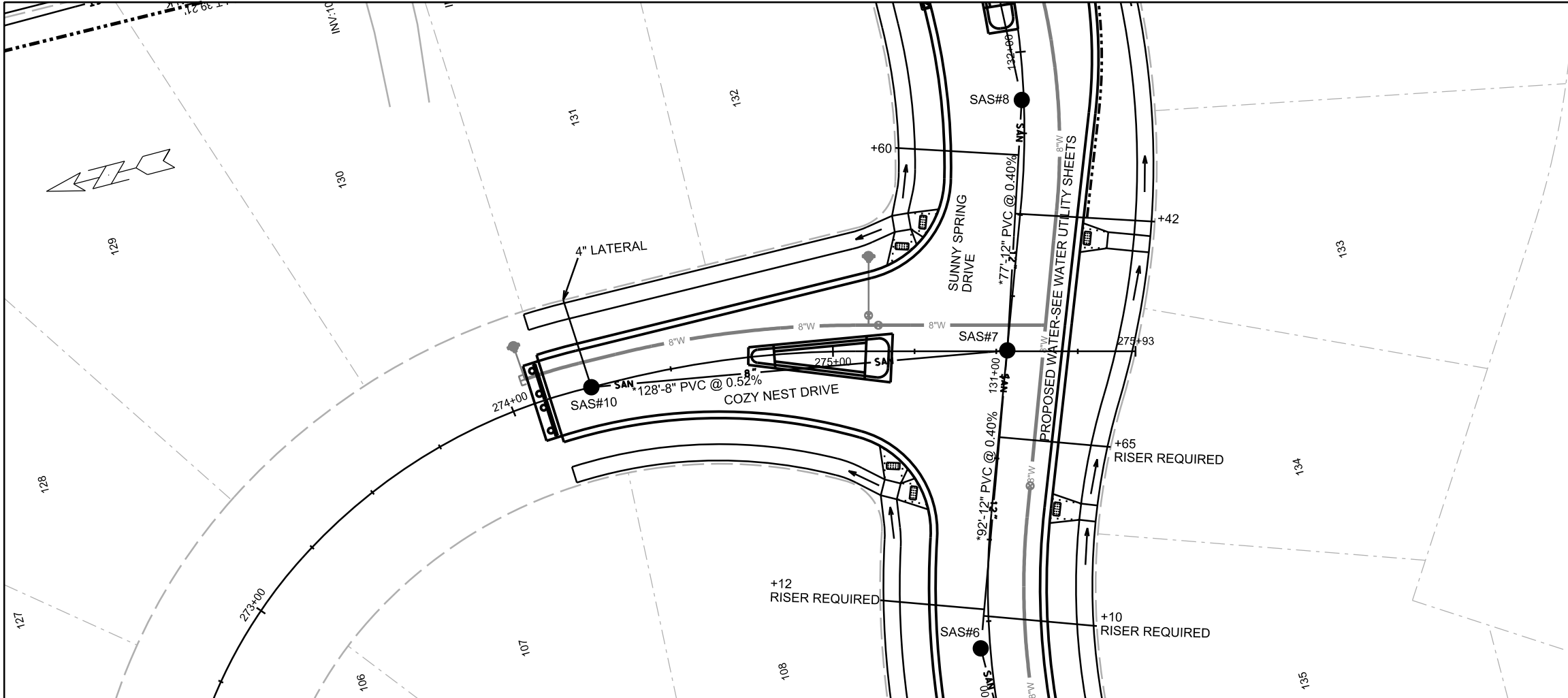


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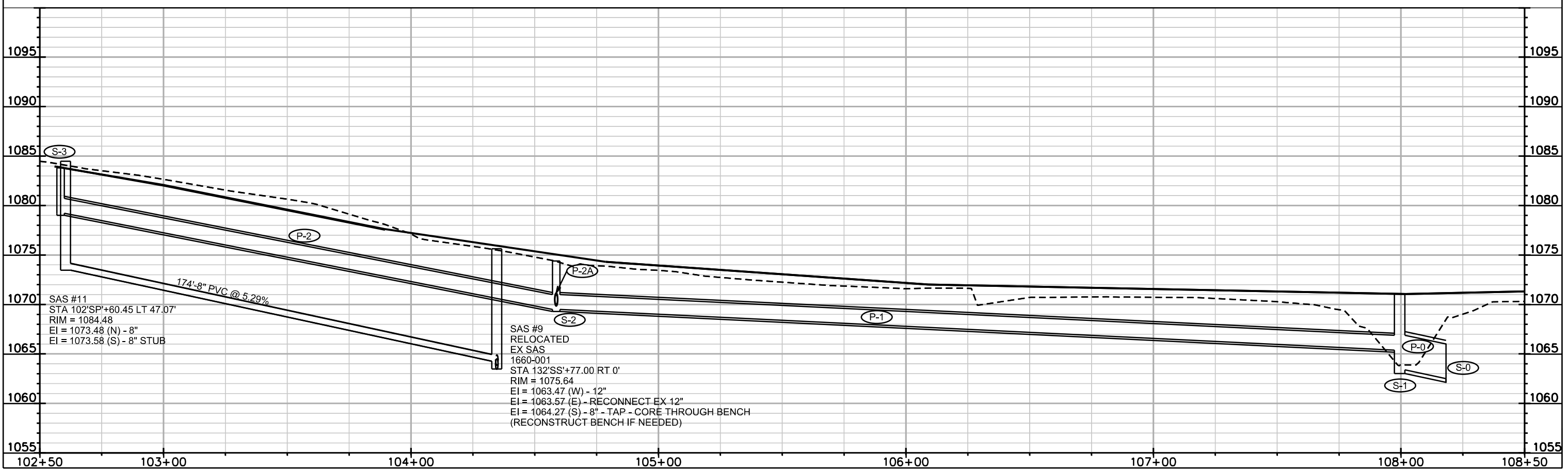
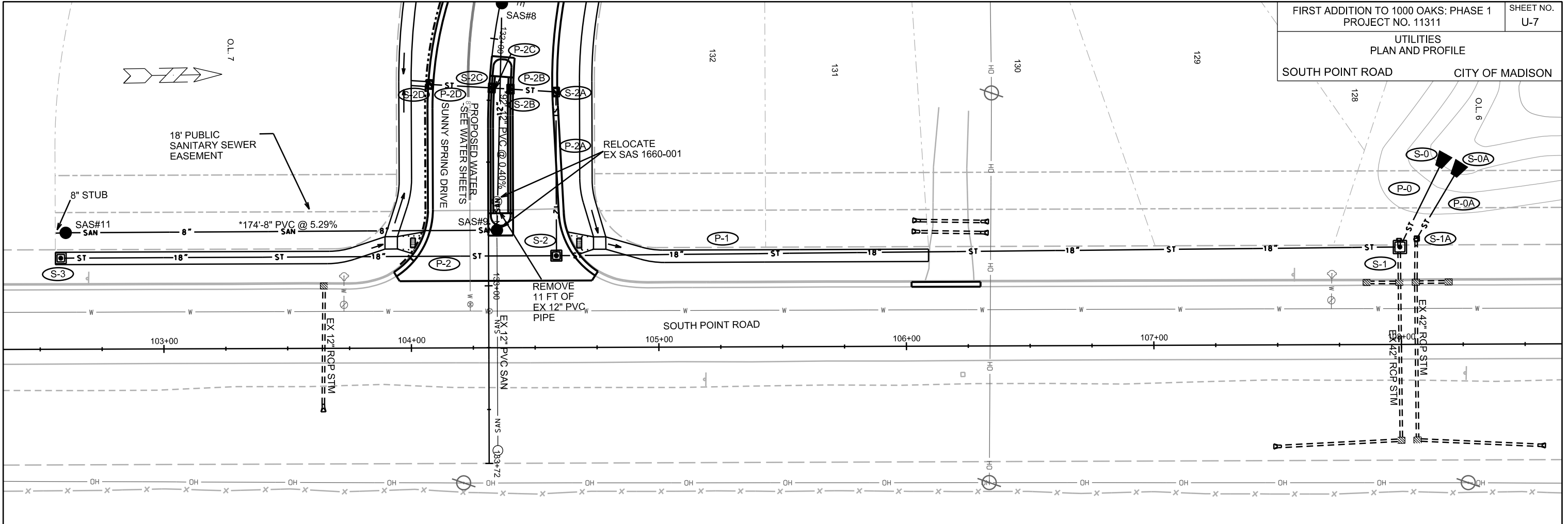
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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 SCHEDULE

ALIGNMENT CODES:

"SS" = SUNNY SPRING DRIVE
 "CN" = COZY NEST DRIVE

FIRST ADDITION TO 1000 OAKS: PHASE 1
 PROJECT NO. 11311

SHEET NO.
 U-8

SANITARY SEWER SCHEDULE CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	116'SS'+00.00	LT-3.60	1060.43	1049.00	11.43	-
SAS#2	119'SS'+00.00	CL	1068.78	1057.24	11.54	-
SAS#3	122'SS'+00.00	CL	1076.81	1058.54	18.27	-
SAS#4	125'SS'+07.00	CL	1081.60	1059.87	21.73	-
SAS#5	127'SS'+75.00	CL	1079.23	1061.05	18.18	-
SAS#6	130'SS'+16.87	LT-3.00	1077.07	1062.12	14.95	-
SAS#7	131'SS'+08.24	CL	1076.33	1062.59	13.74	-
SAS#8	131'SS'+85.27	LT-0.62	1075.67	1063.00	12.67	-
SAS#9	132'SS'+77.53	LT-3.44	1075.66	1063.47	12.19	SEE NOTE (1)
SAS#10	274'CN'+25.00	CL	1074.75	1064.25	10.50	-
SAS#11	102'SP'+60.45	LT-47.07	1084.48	1073.48	11.00	-

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	PLAN LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX SAS	SAS#1	1041.33	1049.00	137	5.60%	12"	SDR-26	-
SAS#1	SAS#2	1049.10	1057.24	300	2.71%	12"	SDR-26	-
SAS#2	SAS#3	1057.34	1058.54	300	0.40%	12"	SDR-26	-
SAS#3	SAS#4	1058.64	1059.87	307	0.40%	12"	SDR-26	-
SAS#4	SAS#5	1059.97	1061.05	269	0.40%	12"	SDR-26	-
SAS#5	SAS#6	1061.15	1062.12	242	0.40%	12"	SDR-26	-
SAS#6	SAS#7	1062.22	1062.59	92	0.40%	12"	SDR-26	-
SAS#7	SAS#8	1062.69	1063.00	77	0.40%	12"	SDR-26	-
SAS#8	SAS#9	1063.10	1063.47	92	0.40%	12"	SDR-26	-
SAS#7	SAS#10	1063.59	1064.25	128	0.52%	8"	SDR-26	-
SAS#9	SAS#11	1064.27	1073.48	174	5.29%	8"	SDR-26	-

NOTES

(1) RELOCATED EX SAS 1660-001; REPLACE EXISTING 1'-4" BARREL WITH A NEW 0'-6" BARREL AND ADD APPROX 4" OF ADJUSTMENT CORE NEW MAIN THROUGH BENCH. RECONSTRUCT BENCH AND FLOWLINES IF NECESSARY.
 IF INVERT UNACCEPTABLE, CONSTRUCTION ENGINEER MAY REQUIRE BENCH TO BE REPLACED.

PLOT SCALE: ---
 PLOT NAME: ---
 REV. DATE: ---

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'SS' = SUNNY SPRING DRIVE
'SP' = SOUTH POINT DR

FIRST ADDITION TO 1000 OAKS: PHASE 1

PROJECT NO. 11311

SHEET NO.

U-9

STORM SEWER SCHEDULE

CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-0	108'SP'+18.28	LT-77.00	42" RCP AE	-	1062.50	-	W/ GATE; W/ SALVAGED APRON
S-0A	108'SP'+24.61	LT-73.30	42" RCP AE	-	1062.50	-	W/ GATE; W/ SALVAGED APRON
S-1	107'SP'+99.58	LT-39.60	4X4 SAS	1071.06	1063.38	7.68	W/ R-1878-B7L; (1)
S-1A	108'SP'+06.33	LT-42.95	FIELD BEND / CONCRETE COLLAR	-	1063.35	-	(2)
S-2	132'SS'+87.51	LT-24.33	3X3 SAS	1074.40	1069.50	4.90	W/ R-1550
S-2A	132'SS'+20.00	LT-27.00	H INLET	1075.18	1071.51	3.67	W/ R-3067-7004-VB
S-2B	132'SS'+20.00	LT-8.64	H INLET	1075.56	1072.16	3.40	LP; W/ R-3067-7004-VB
S-2C	132'SS'+20.00	LT-1.05	H INLET	1075.95	1072.29	3.66	LP; W/ R-3067-7004-VB
S-2D	132'SS'+20.00	RT-24.07	H INLET	1075.44	1072.44	3.00	LP; W/ R-3067-7004-VB; (3)
S-3	102'SP'+58.44	LT-36.82	3X3 SAS	1083.82	1079.22	4.60	W/ R-3067-7004-V

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-0	S-0	S-1	42	1062.50	1063.38	2.10%	42"	RCP	-
P-0A	S-0A	S-1A	36	1062.50	1063.35	2.36%	42"	RCP	-
P-1	S-1	S-2	341	1065.38	1069.50	1.21%	18"	RCP	-
P-2	S-2	S-3	200	1069.50	1079.22	4.86%	18"	RCP	-
P-2A	S-2	S-2A	66	1070.00	1071.51	2.29%	12"	RCP	-
P-2B	S-2A	S-2B	18	1071.51	1072.16	3.61%	12"	RCP	-
P-2C	S-2B	S-2C	8	1072.16	1072.29	1.62%	12"	RCP	-
P-2D	S-2C	S-2D	25	1072.29	1072.44	0.60%	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

- 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.

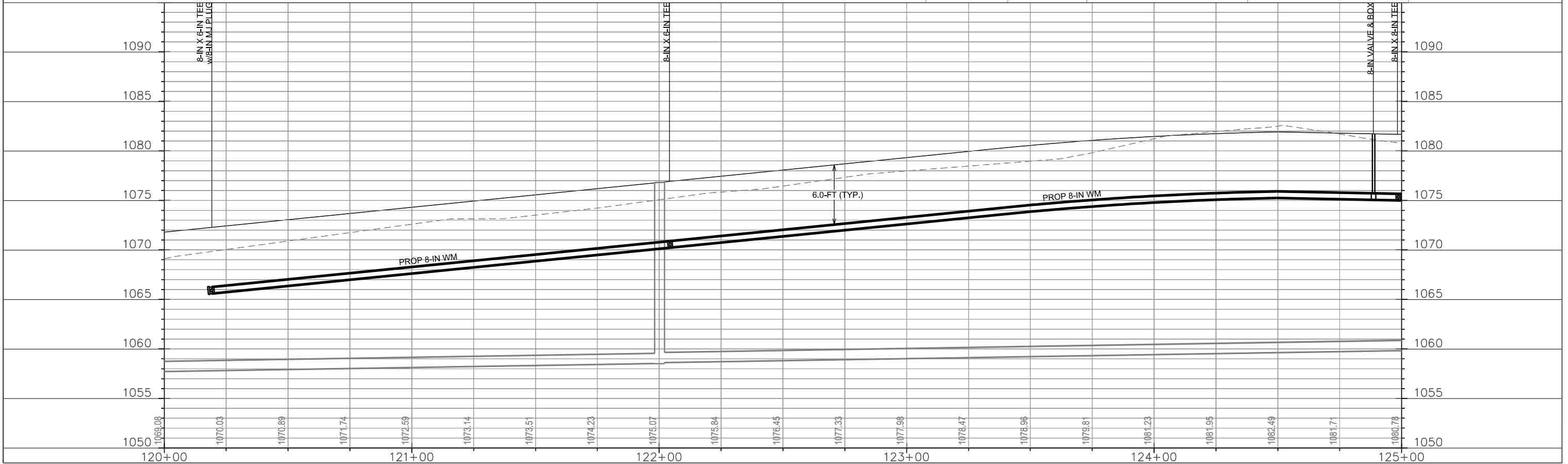
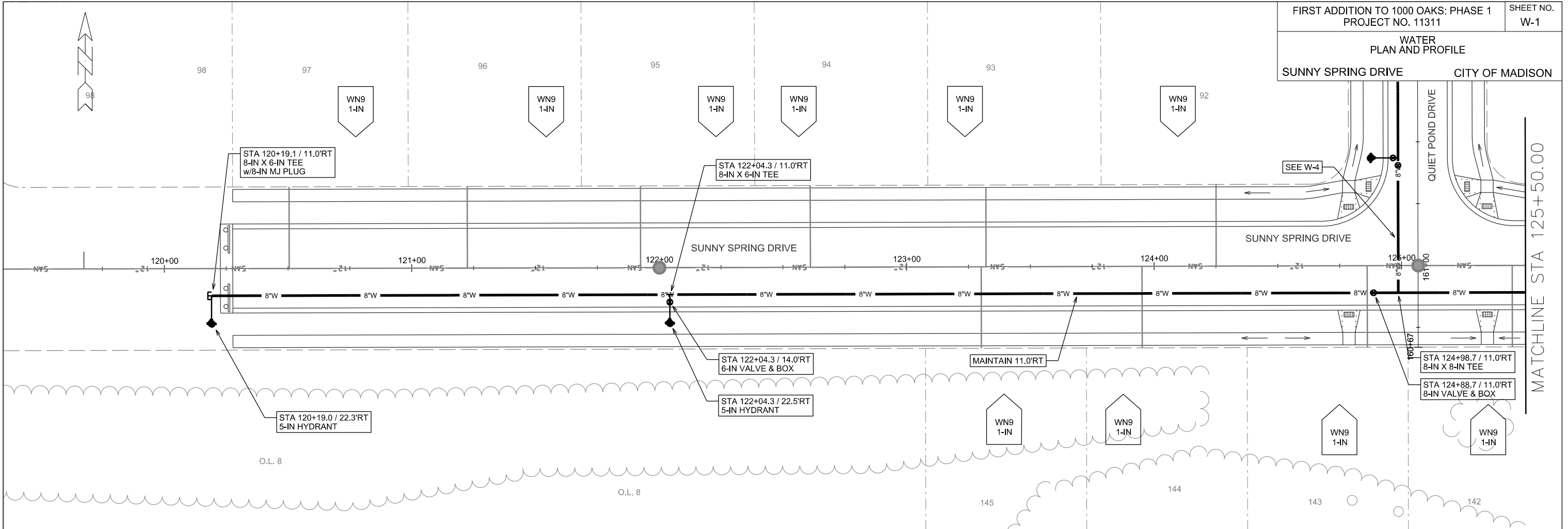
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT ELIA E. ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, OR FAX SHOP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

SPECIFIC NOTES

(1) REMOVE & SALVAGE EXISTING 42" APRON END. REUSE AT S-0

(2) REMOVE & SALVAGE EXISTING 42" APRON END. REUSE AT S-0A

(3) THE STORM STRUCTURE SHALL HAVE A 2" PVC PIPE INSTALLED FROM AND THROUGH THE FRONT WALL OF THE INLET, BENT UP TO THE TOP OF THE SURFACE COURSE OF BINDER IN FRONT OF THE INLET SUCH THAT THE CENTER OF THE PIPE IS 5" FROM THE EDGE OF GUTTER. WHEN THE PAVEMENT IS BEING PREPARED FOR SURFACE IT IS THE CONTRACTORS RESPONSIBILITY TO SAW CUT OUT A 2'X2' SQUARE, REMOVE THE PIPE, PATCH THE INLET, PATCH THE BINDER AND PAVE THE STREET.

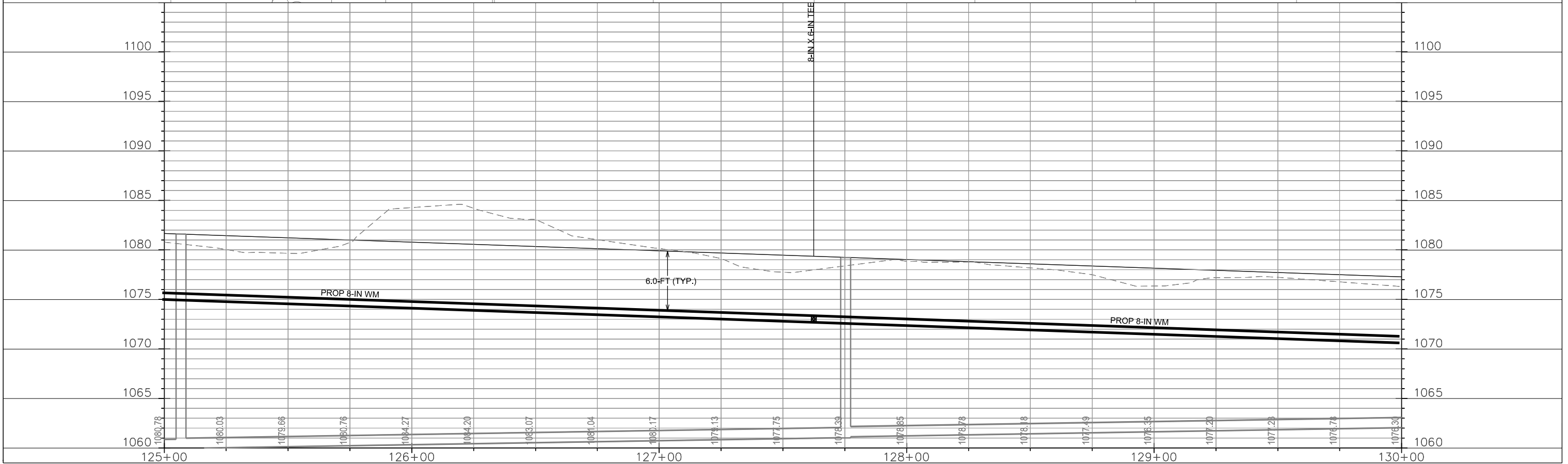
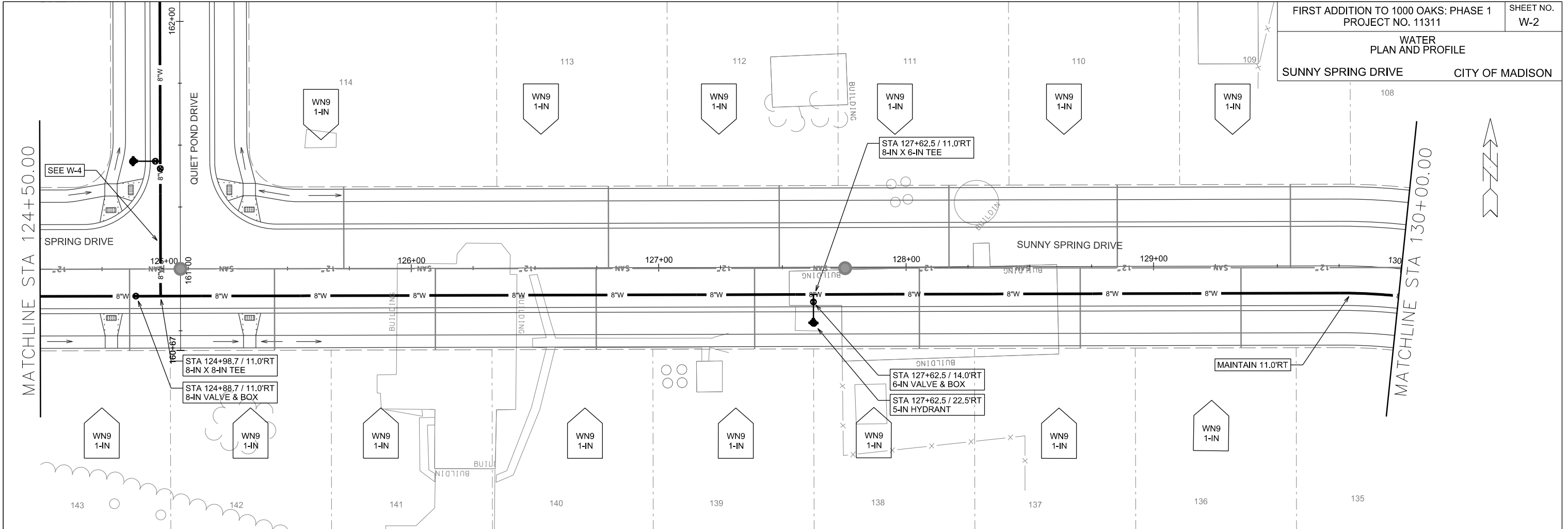


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

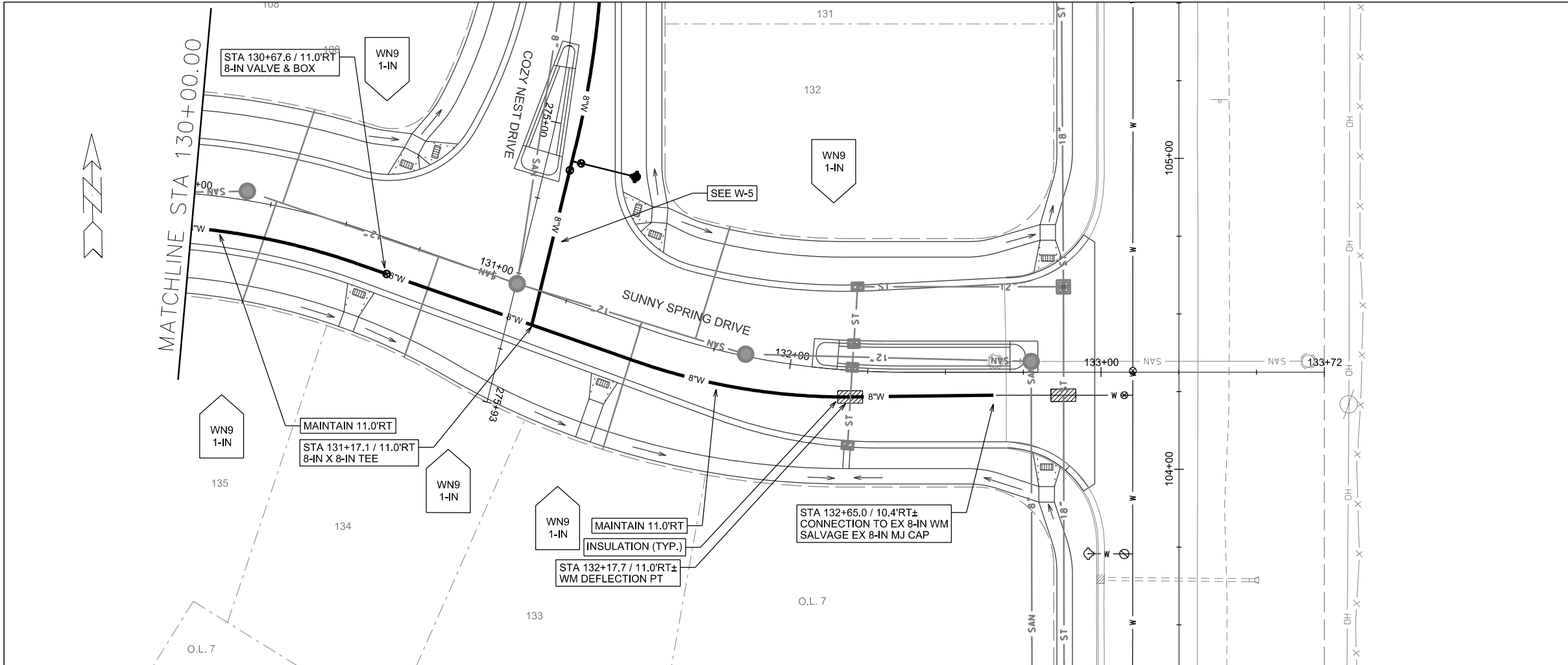


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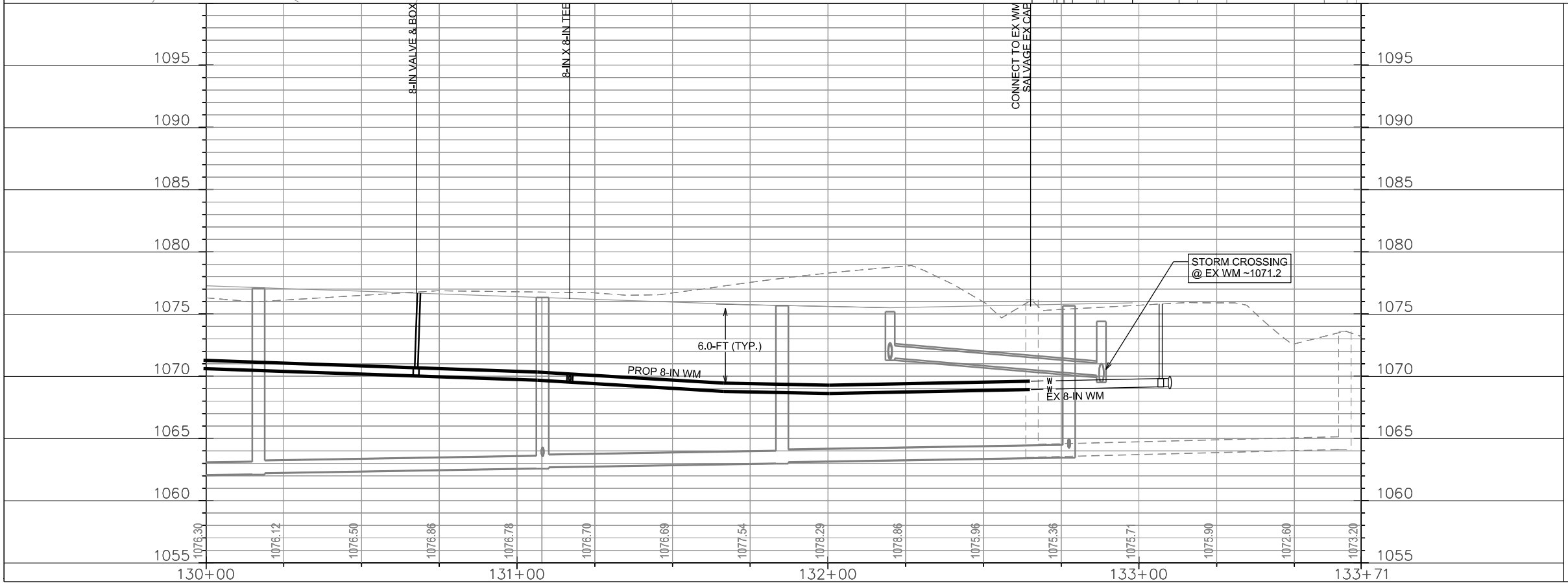
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



LANDS

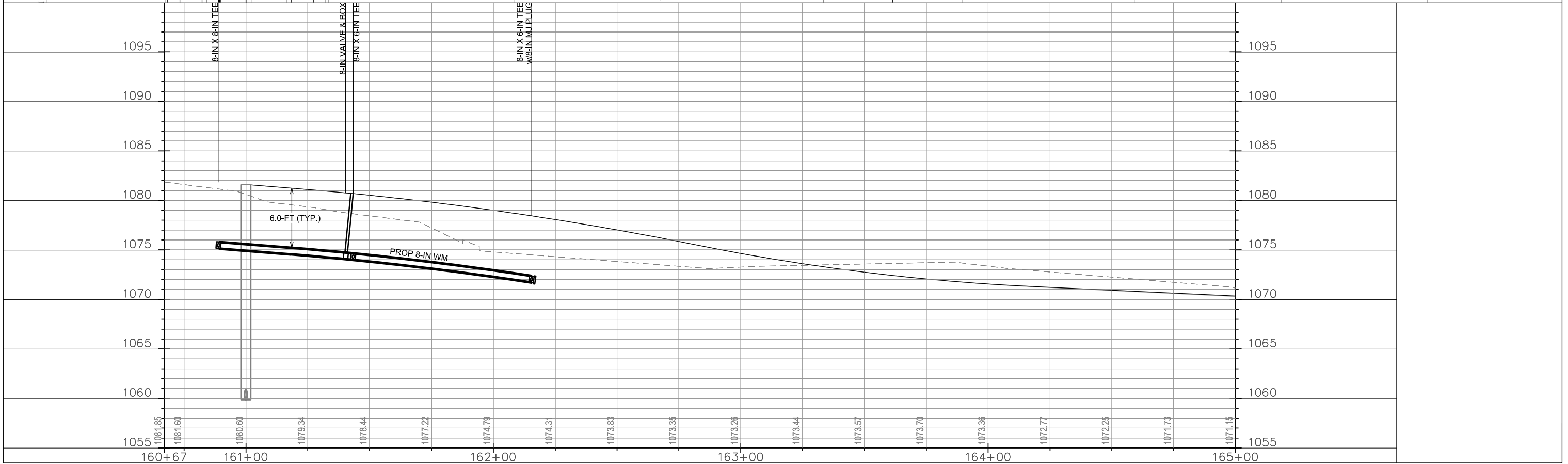
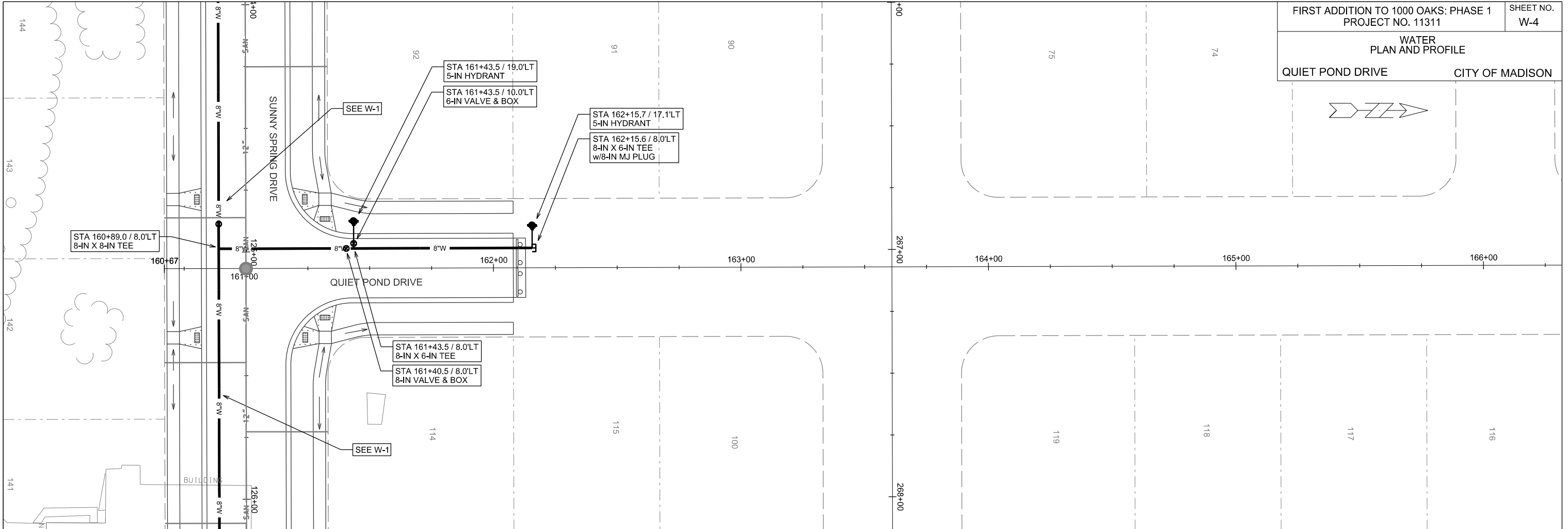


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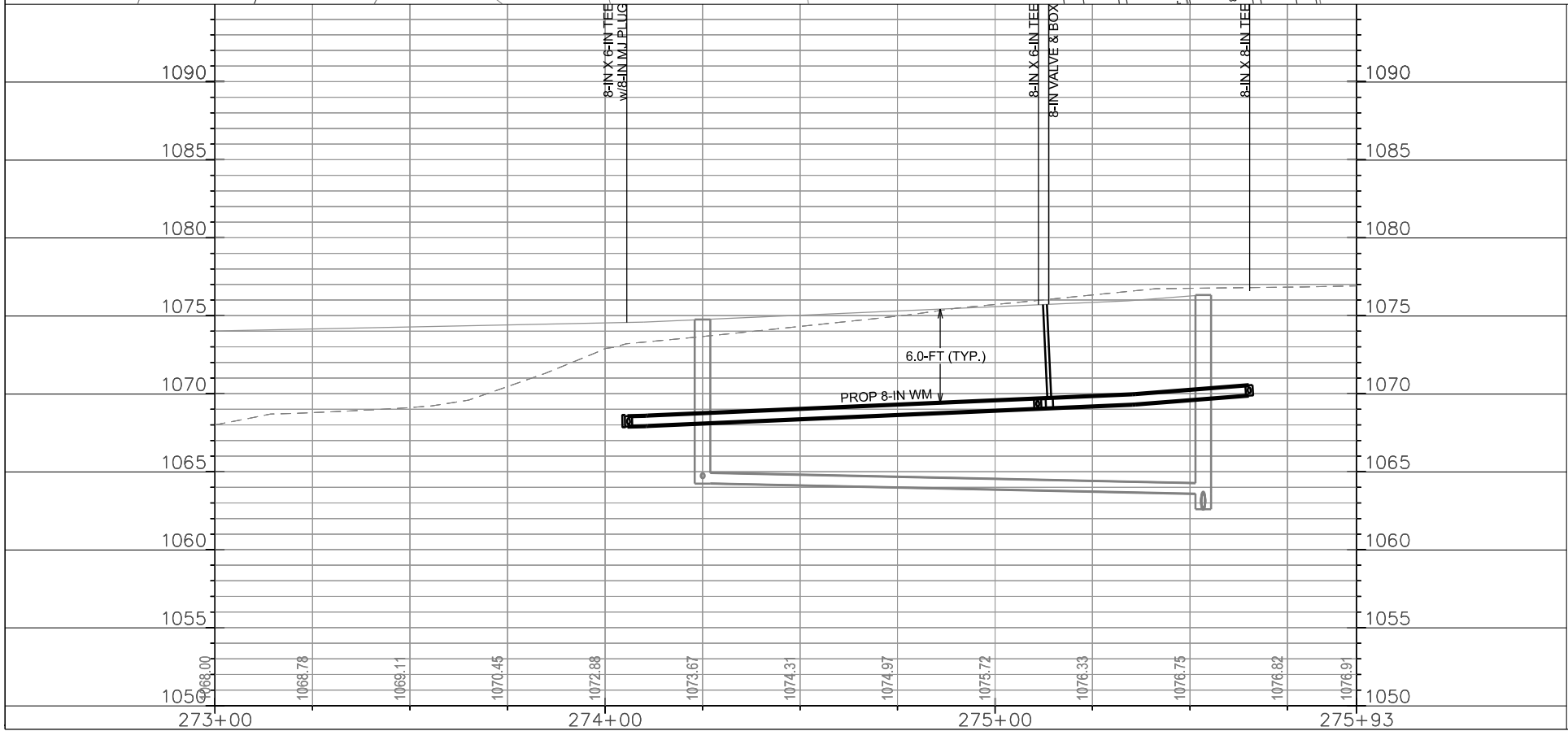
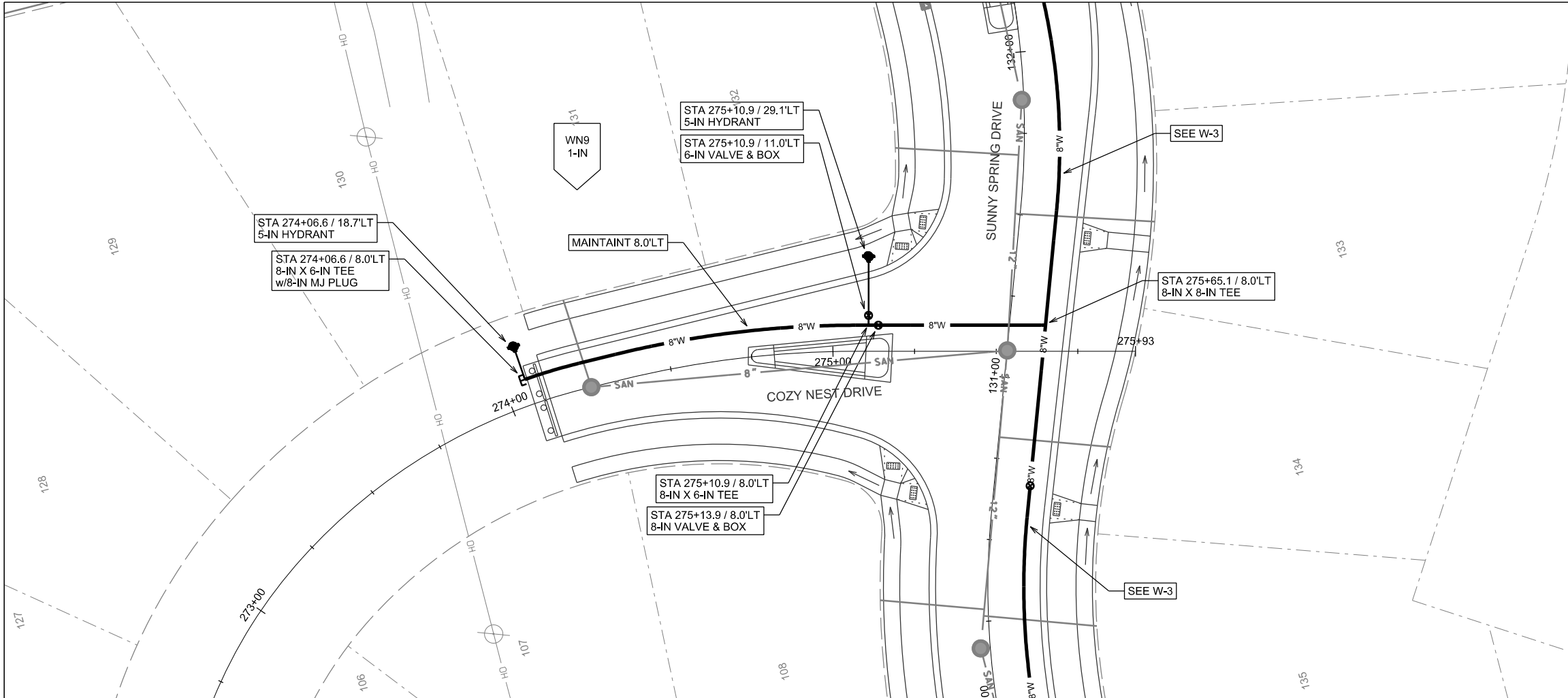
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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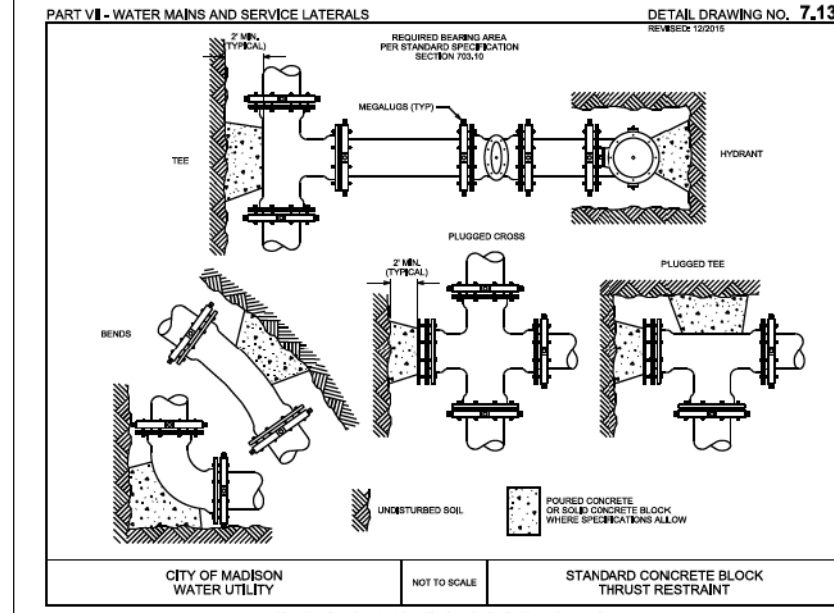
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

 INDICATES INSULATION AT STORM SEWER CROSSING



ESTIMATE OF PROJECT MATERIALS:

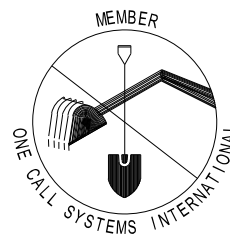
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.

WATER MAIN AND FITTING MATERIALS	
6-IN PIPE (LF)	90
8-IN PIPE (LF)	1540
POLY WRAP (LF)	1800
6-IN VALVES & BOXES	4
8-IN VALVES & BOXES	4
8-IN X 6-IN TEES	7
8-IN X 6-IN TEES	2
8-IN MJ PLUG	3
5-IN HYDRANTS	7
MISC. MATERIALS	
INSULATION (LF)	16
COPPER TUBING (1-IN TO 2-IN)	AS REQ

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

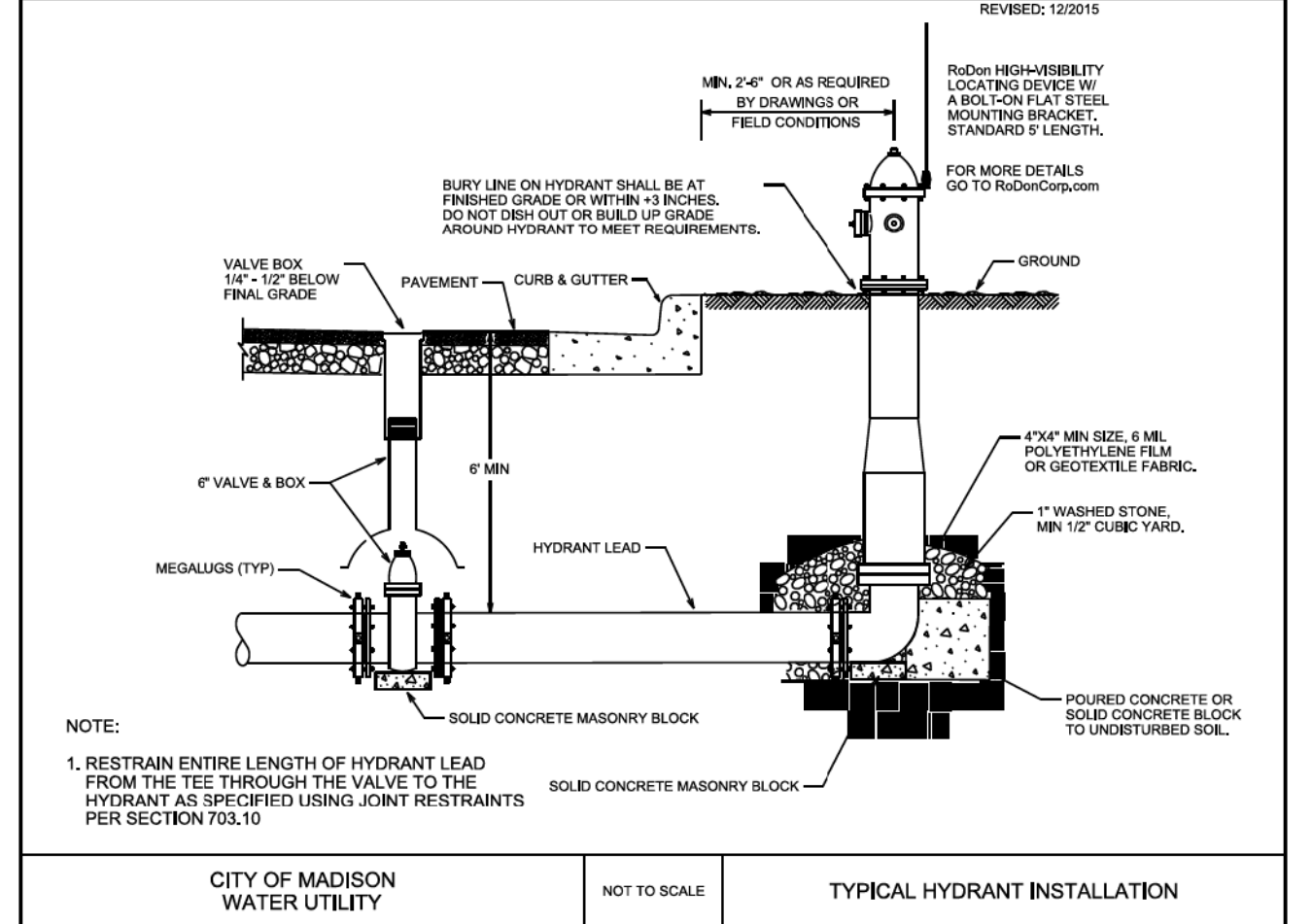
CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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: 12/2015



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

City of Madison Standard Specifications for Public Works Construction