

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 3, 2017

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 4/7/17
City Engineer Date

INDEX OF SHEETS

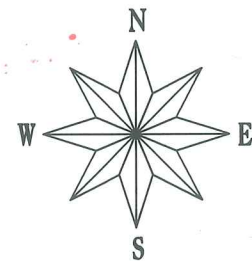
SHEET NO.	TITLE
1	
DI-D2	DETAILS
PI-P2	STREET PLAN AND PROFILES
UI-U2	UTILITIES PLAN AND PROFILES
USAN	SANITARY SEWER SCHEDULE
USTM	STORM SEWER SCHEDULE
WI-W2	WATER PLAN AND PROFILES
WM	WATER MATERIALS

FIRST ADDITION TO 1000 OAKS PHASE 4

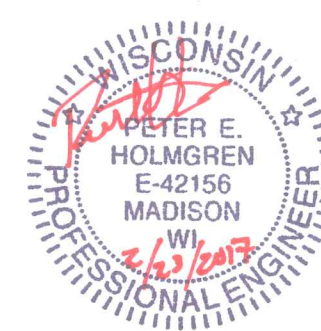
CITY PROJECT NO. 11502

CITY CONTRACT NO. 7857

MUNIS NO. 11502



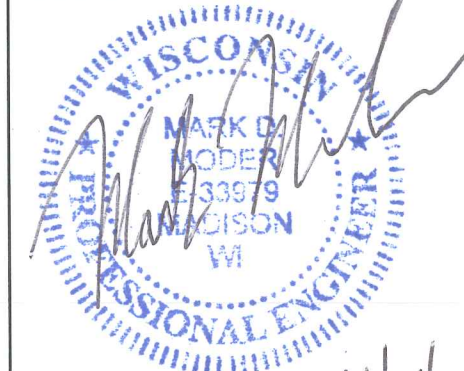
WATER DESIGNED BY:



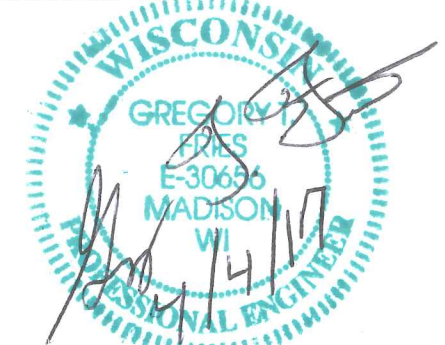
STREET GRADES DESIGNED BY:



SANITARY SEWER DESIGNED BY:



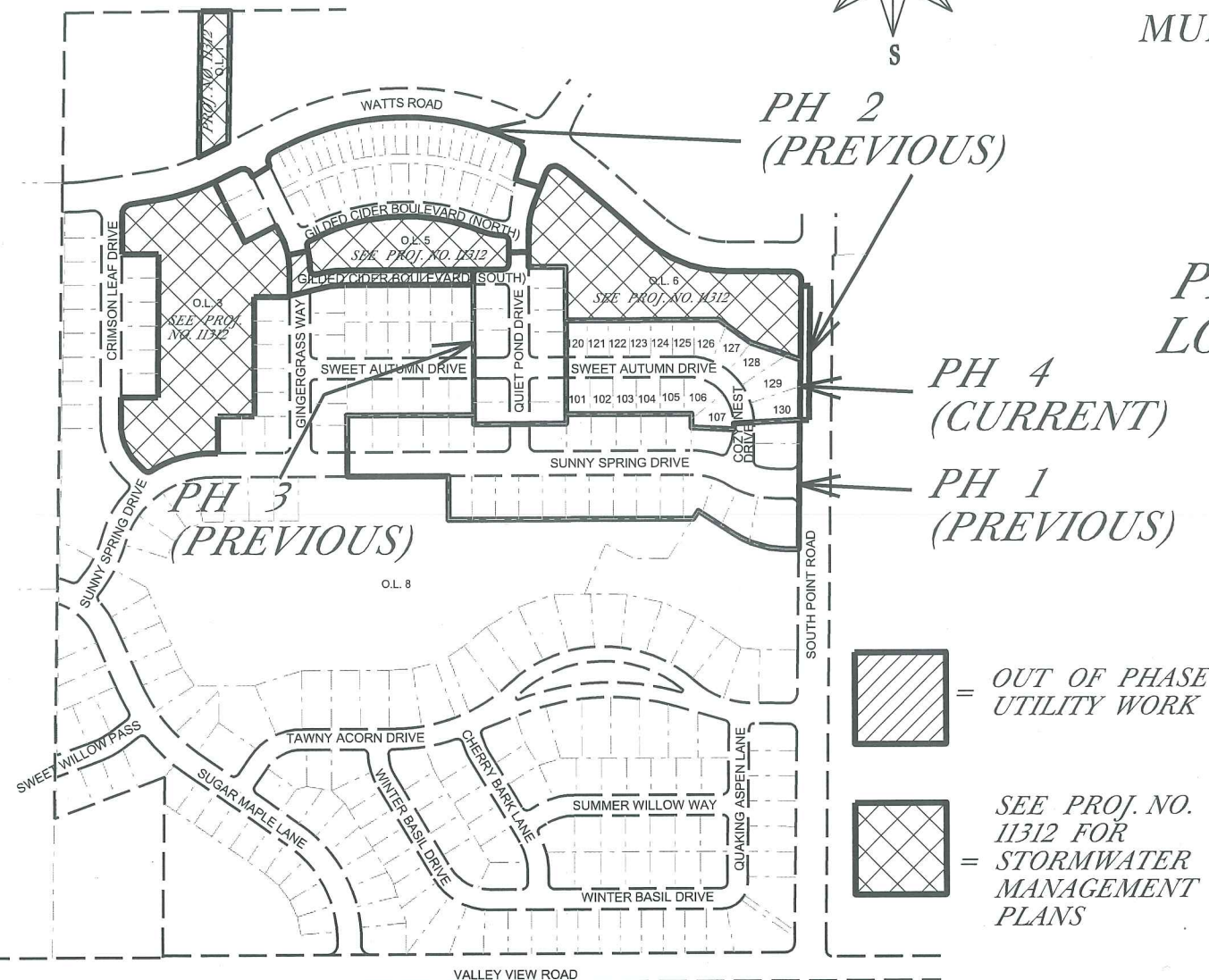
STORM SEWER DESIGNED BY:



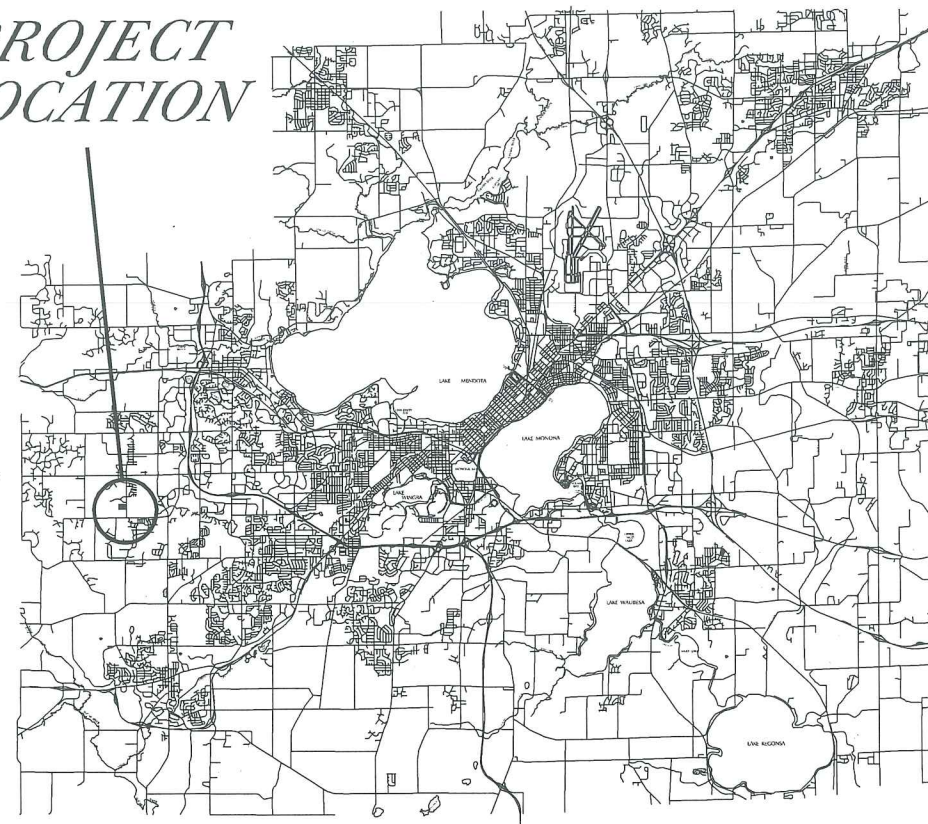
PLOT SCALE:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PROJECT LOCATION



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 SWEET AUTUMN 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.

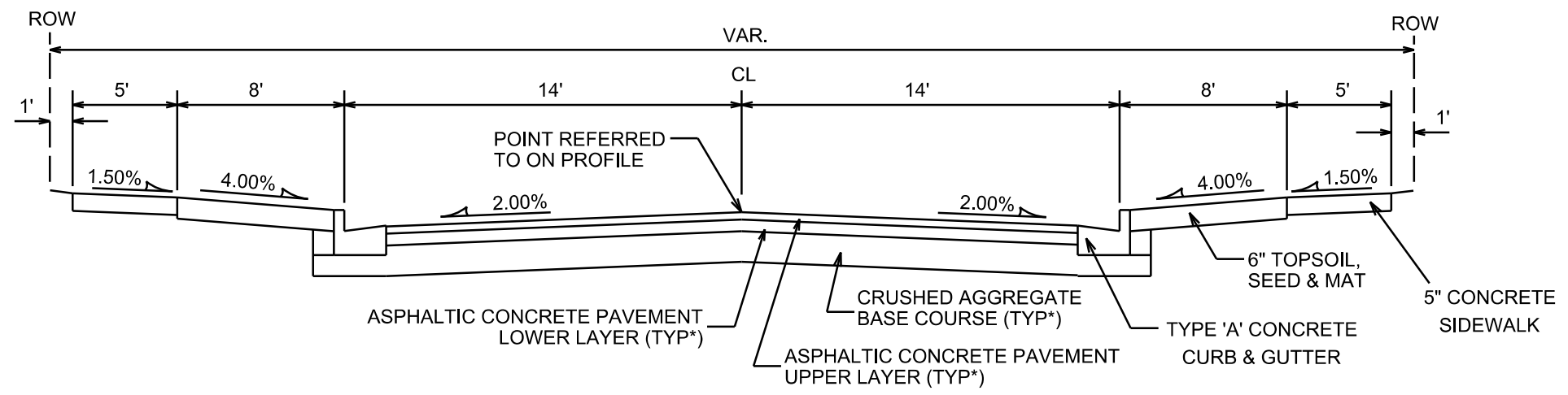
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	—— G ——
STORM SEWER	—— ST ——
SANITARY SEWER	—— SAN ——
WATER	—— W ——
OVERHEAD ELECTRIC	—— OH ——
POWER POLE	⊕
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION

SWEET AUTUMN DR.
COZY NEST DR.
NOT TO SCALE

NOTES:

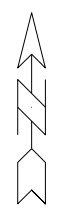
* SWEET AUTUMN DR. AND COZY NEST DR. SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

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"

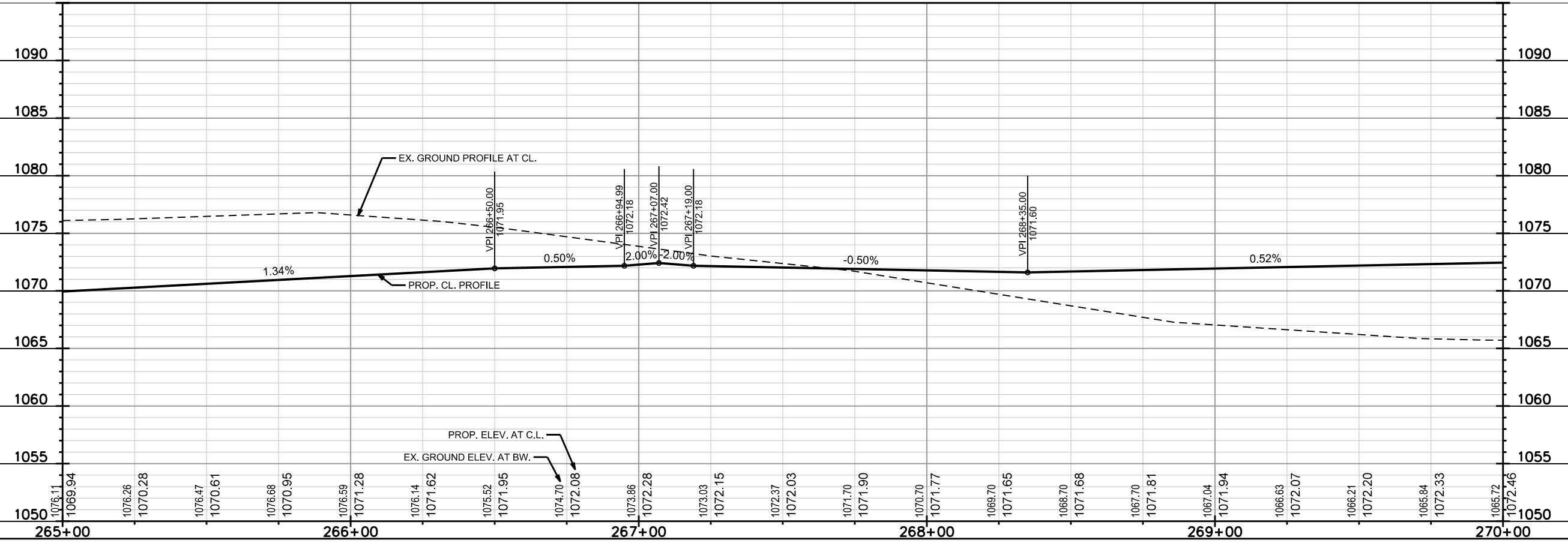
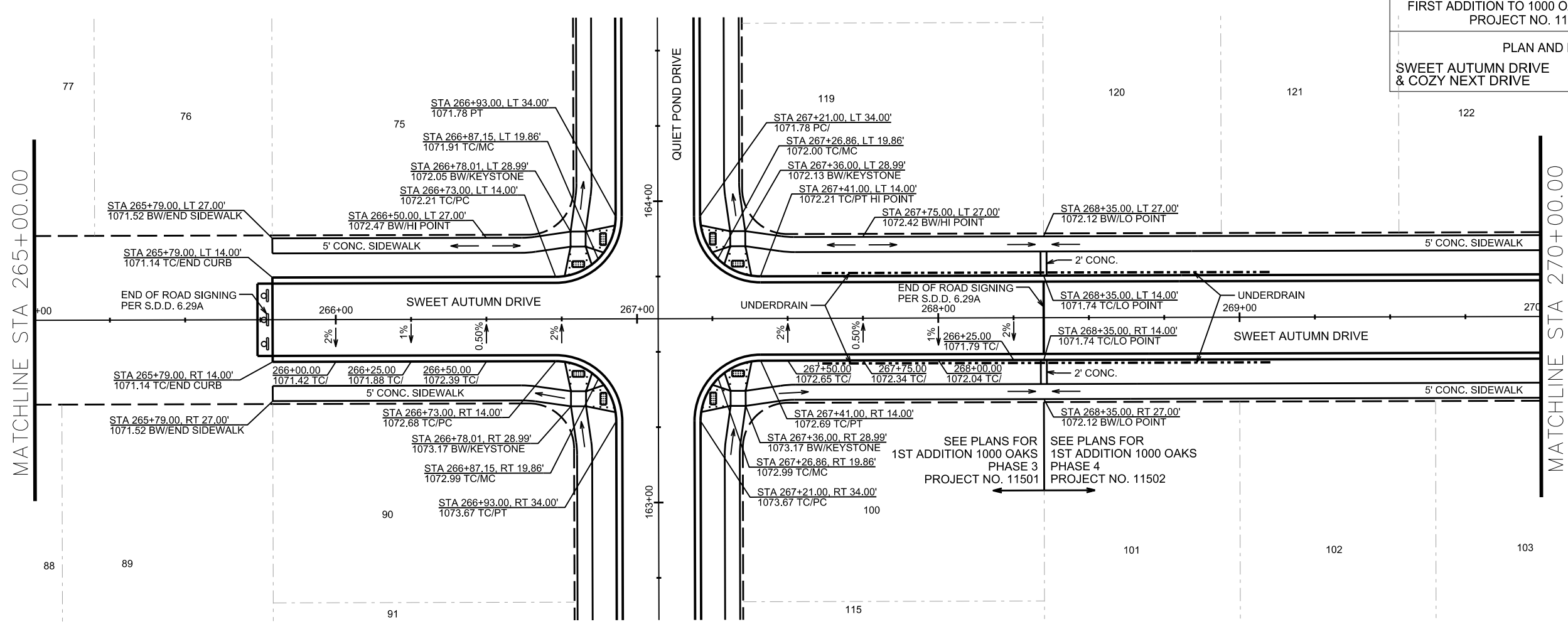
PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
SWEET AUTUMN DRIVE & COZY NEXT DRIVE
CITY OF MADISON

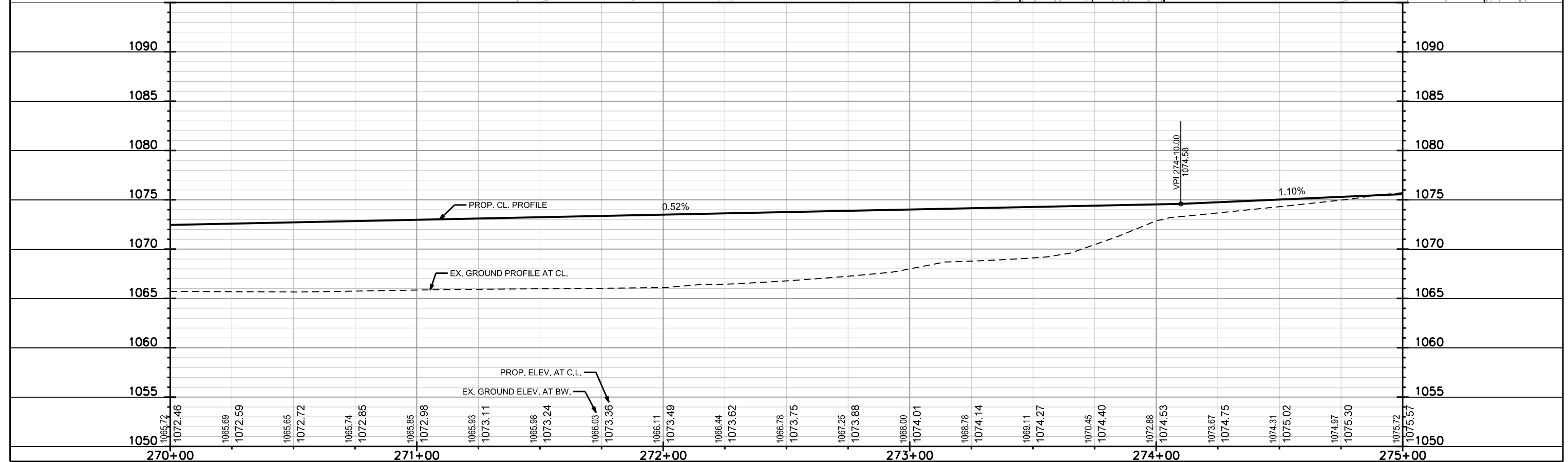
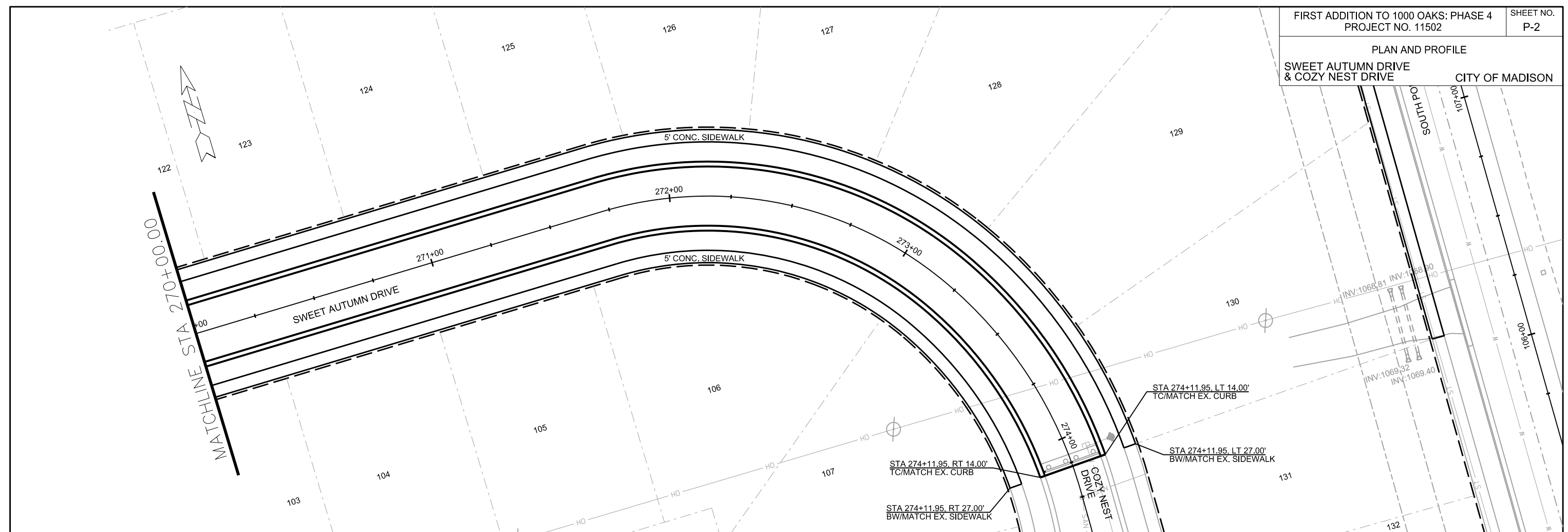


MATCHLINE STA 265+00.00

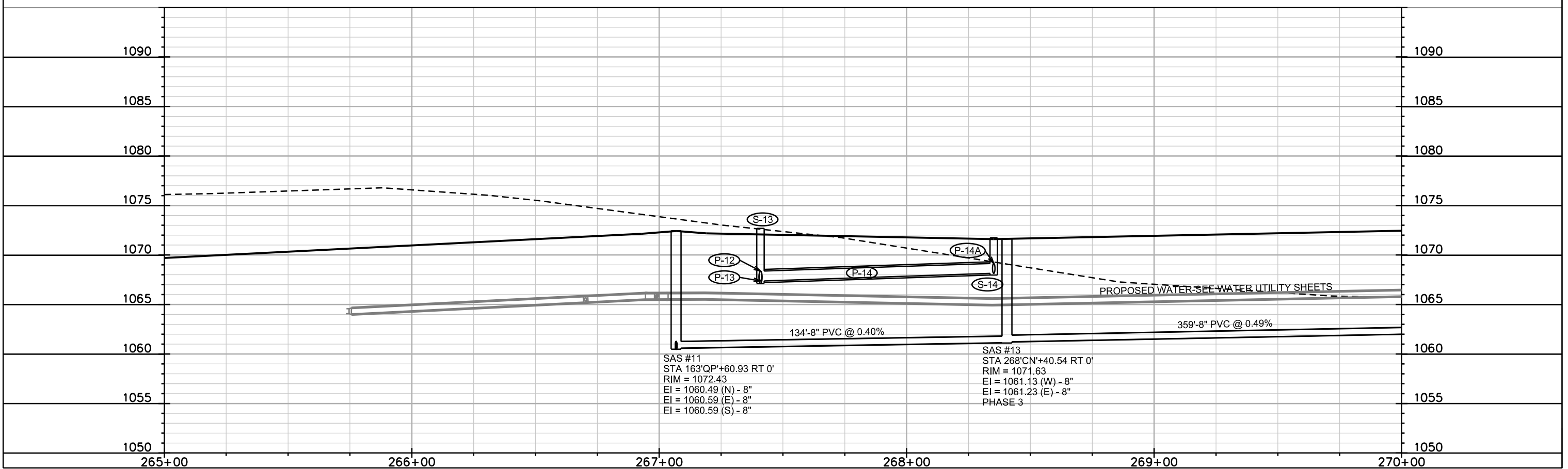
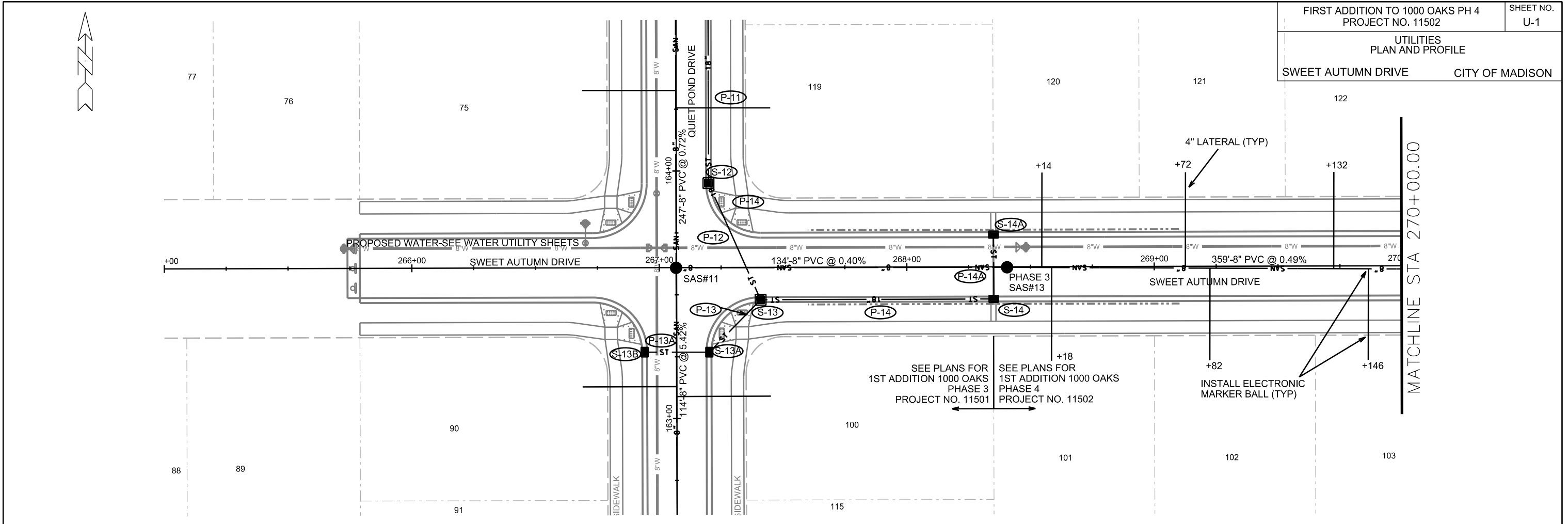
MATCHLINE STA 270+00.00



PLAN AND PROFILE
SWEET AUTUMN DRIVE & COZY NEST DRIVE
CITY OF MADISON



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



SAS #11
STA 163'QP'+60.93 RT 0'
RIM = 1072.43
EI = 1060.49 (N) - 8"
EI = 1060.59 (E) - 8"
EI = 1060.59 (S) - 8"

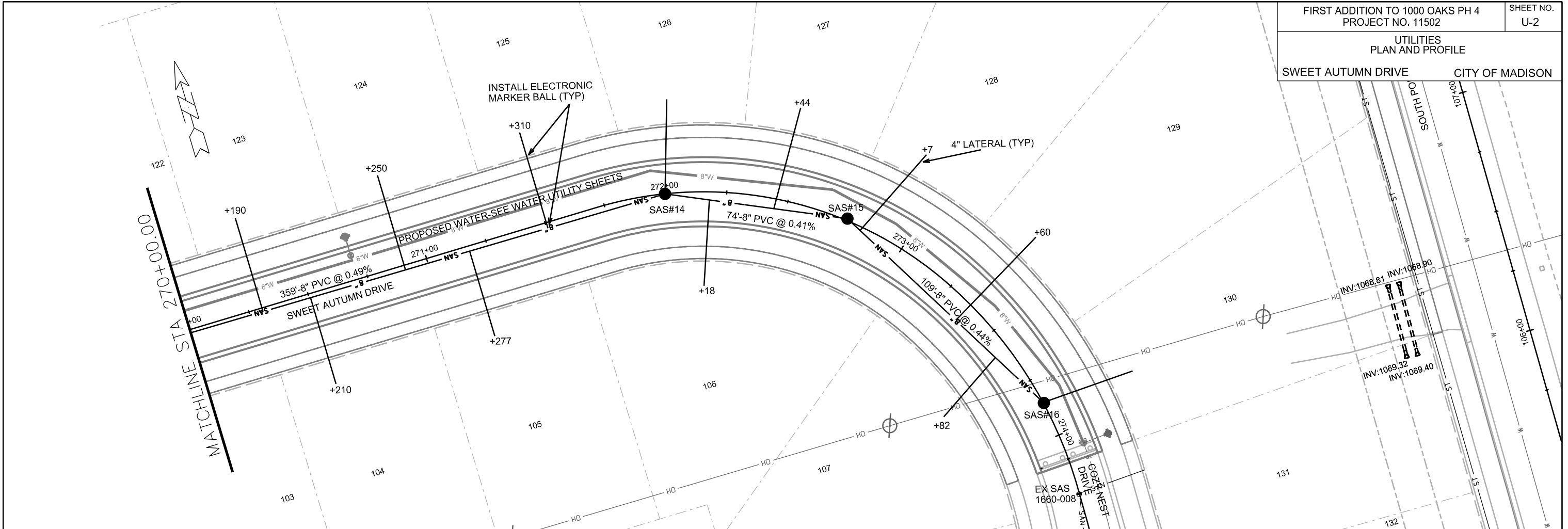
SAS #13
STA 268'CN'+40.54 RT 0'
RIM = 1071.63
EI = 1061.13 (W) - 8"
EI = 1061.23 (E) - 8"
PHASE 3

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

FIRST ADD TO 1000 OAKS PH 2, PH 3 & PH 4	SHEET NO.
PROJECT NO. 11500, 11501, 11502	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
PHASE 2						
SAS#2	157'GW'+09.44	CL	1062.63	1052.01	10.62	-
SAS#3	292'GN'+12.84	RT-3.38	1064.73	1054.23	10.50	-
SAS#4	293'GN'+63.41	RT-2.83	1065.59	1055.09	10.50	-
SAS#5	295'GN'+18.08	RT-2.84	1066.47	1055.97	10.50	-
SAS#6	296'GN'+76.32	RT-3.91	1067.34	1056.84	10.50	-
SAS#7	155'GW'+98.26	CL	1063.06	1052.56	10.50	-

ALIGNMENT CODES:

'GW' = GINGERGRASS WAY
'GN' = GILDED CIDER BLVD NORTH

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#2	1051.11	1052.01	224	0.40%	8"	SDR-26	-
SAS#2	SAS#3	1052.11	1054.23	113	1.88%	8"	SDR-35	-
SAS#3	SAS#4	1054.33	1055.09	149	0.51%	8"	SDR-35	-
SAS#4	SAS#5	1055.19	1055.97	153	0.51%	8"	SDR-35	-
SAS#5	SAS#6	1056.07	1056.84	158	0.49%	8"	SDR-35	-
SAS#2	SAS#7	1052.11	1052.56	111	0.41%	8"	SDR-35	-

PHASE 3

SAS#8	282'GS'+00.00	LT-4.32	1064.13	1053.10	11.03	-
SAS#9	284'GS'+00.00	LT-3.20	1065.72	1055.22	10.50	-
SAS#10	166'QP'+07.52	CL	1069.03	1058.61	10.42	-
SAS#11	163'QP'+60.93	CL	1072.43	1060.49	11.94	-
SAS#12	162'QP'+46.44	CL	1077.17	1066.67	10.50	-
SAS#13	268'CN'+40.54	CL	1071.63	1061.13	10.50	-

'GS' = GILDED CIDER BLVD SOUTH
'QP' = QUIET POND DRIVE
'CN' = COZY NEST DRIVE

SAS#7 Ph 2	SAS#8	1052.66	1053.10	98	0.45%	8"	SDR-35	-
SAS#8	SAS#9	1053.20	1055.22	200	1.01%	8"	SDR-35	-
SAS#9	SAS#10	1055.32	1058.61	309	1.06%	8"	SDR-35	-
SAS#10	SAS#11	1058.71	1060.49	247	0.72%	8"	SDR-35	-
SAS#11	SAS#12	1060.59	1066.67	114	5.42%	8"	SDR-35	-
SAS#11	SAS#13	1060.59	1061.13	134	0.40%	8"	SDR-35	-

PHASE 4

SAS#14	272'CN'+00.00	CL	1073.49	1062.98	10.51	-
SAS#15	272'CN'+75.00	CL	1073.88	1063.38	10.50	-
SAS#16	273'CN'+85.67	CL	1074.46	1063.96	10.50	-

'CN' = COZY NEST DRIVE

SAS#13	SAS#14	1061.23	1062.98	359	0.49%	8"	SDR-35	-
SAS#14	SAS#15	1063.08	1063.38	74	0.41%	8"	SDR-35	-
SAS#15	SAS#16	1063.48	1063.96	109	0.44%	8"	SDR-35	-

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'GN' = GILDED CIDER BLVD - NORTH
 'GW' = GINGERGRASS WAY
 'OL' = OUTLOT 4 ALLEY
 'QP' = QUIET POND DRIVE
 'SA' = SWEET AUTUMN DRIVE

FIRST ADD TO 1000 OAKS PH 2, PH 3 & PH 4
 PROJECT NO. 11500, 11501, 11502

SHEET NO.
 U-STM

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
PHASE 2							
S-1	156'GW'+47.73	LT-69.06	24" RCP APRON END	-	1053.00	-	W/ GATE
S-2	156'GW'+76.61	LT-13.50	3X3 SAS	1062.60	1053.30	9.30	W/ R-3067-7004-V
S-2A	156'GW'+76.96	RT-13.50	H INLET	1063.08	1054.43	8.65	LP; FP; W/ R-3067-7004-VB; (1)
S-2B	291'GN'+44.35	RT-20.95	H INLET	1063.74	1054.66	9.08	FP; W/ R-3067-7004-V
S-2C	291'GN'+78.88	LT-1.12	H INLET	1064.82	1061.33	3.49	FP; W/ R-3067-7004-V
S-3	157'GW'+47.28	LT-13.50	3X3 SAS	1063.07	1053.63	9.44	W/ R-3067-7004-V
S-3A	157'GW'+46.97	RT-13.50	H INLET	1063.44	1059.84	3.60	W/ R-3067-7004-V
S-3B	157'GW'+39.58	RT-13.50	H INLET	1063.42	1060.02	3.40	LP; W/ R-3067-7004-VB; (1)
S-4	158'GW'+30.82	LT-13.50	3X3 SAS	1063.87	1058.63	5.24	W/ R-3067-7004-V
S-4A	301'OL'+07.00	RT-6.00	H INLET	1064.09	1060.49	3.60	LP; W/ ;(1)
S-4B	301'OL'+07.00	LT-6.00	H INLET	1064.33	1060.93	3.40	LP; W/ ;(1)
S-5	159'GW'+42.36	LT-13.50	EX STRUCTURE	-	1059.35	-	-
S-6	157'GW'+12.00	LT-67.00	TWIN 43"X68" HERCP AE	-	1056.00	-	(2)
S-7	156'GW'+89.50	RT-5.21	FIELD BEND	-	1056.37	-	-
S-8	156'GW'+65.00	RT-75.60	TWIN 43"X68" HERCP AE	-	1056.77	-	(2)

PHASE 3

S-10	166'QP'+75.31	RT-12.91	STORM TAP	-	1063.40	-	-
S-10A	166'QP'+91.40	RT-12.96	STORM TAP	-	1063.77	-	-
S-10B	167'QP'+25.00	RT-13.34	H INLET	1068.04	1064.44	3.60	LP; W/ R-3067-7004-VB; (1)
* S-11	165'QP'+77.02	RT-13.50	3X3 SAS	1069.52	1064.67	4.85	W/ R-3067-7004-V
S-11A	165'QP'+81.96	LT-13.50	H INLET	1069.46	1065.58	3.88	W/ R-3067-7004-V
S-12	163'QP'+95.14	RT-13.50	3X3 SAS	1071.78	1066.71	5.07	W/ R-3067-7004-V
S-13	267'SA'+41.00	RT-13.50	3X3 SAS	1072.69	1067.13	5.56	W/ R-3067-7004-V
S-13A	163'QP'+26.79	RT-13.50	H INLET	1072.67	1069.27	3.40	FP; W/ R-3067-7004-V
S-13B	163'QP'+26.79	LT-13.50	H INLET	1073.67	1070.27	3.40	W/ R-3067-7004-V
S-14	268'SA'+35.00	RT-13.50	3X3 SAS	1071.74	1067.69	4.05	LP; FP; W/ R-3067-7004-VB; (1)
S-14A	268'SA'+35.00	LT-13.50	H INLET	1071.74	1068.34	3.40	LP; W/ R-3067-7004-VB; (1)

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
* REVISED 5/18/17 EEA										
P-1	S-1	S-2	1053.00	1053.30	61	59	0.51%	24"	RCP	-
P-2	S-2	S-3	1053.30	1053.63	67	64	0.52%	24"	RCP	-
P-2A	S-2	S-2A	1054.30	1054.43	26	24	0.54%	12"	RCP	-
P-2B	S-2A	S-2B	1054.43	1054.66	45	42	0.55%	12"	RCP	-
P-2C	S-2B	S-2C	1061.13	1061.33	41	37	0.54%	12"	RCP	-
P-3	S-3	S-4	1058.07	1058.63	84	81	0.69%	24"	RCP	-
P-3A	S-3	S-3A	1059.07	1059.84	26	23	3.35%	12"	RCP	-
P-3B	S-3A	S-3B	1059.84	1060.02	7	4	4.50%	12"	RCP	-
P-4	S-4	S-5	1058.63	1059.35	112	109	0.66%	24"	RCP	-
P-4A	S-4	S-4A	1059.63	1060.49	46	43	2.00%	12"	RCP	-
P-4B	S-4A	S-4B	1060.49	1060.93	14	12	3.67%	12"	RCP	-
P-5	S-6	S-7	1056.00	1056.37	75	75	0.50%	TWIN 43"X68"	HERCP	-
P-6	S-7	S-8	1056.37	1056.77	79	79	0.51%	TWIN 43"X68"	HERCP	-
* P-10	S-10	S-11	1063.40	1064.67	98	97	1.31%	21"	RCP	-
P-10A	S-10A	S-10B	1063.77	1064.44	33	32	2.09%	12"	RCP	-
* P-11	S-11	S-12	1064.92	1066.71	182	179	1.00%	18"	RCP	-
* P-11A	S-11	S-11A	1065.42	1065.58	27	24	0.67%	12"	RCP	-
P-12	S-12	S-13	1066.71	1067.13	52	48	0.88%	18"	RCP	-
P-13	S-13	S-13A	1067.63	1069.27	30	26	6.31%	12"	RCP	-
P-13A	S-13A	S-13B	1069.27	1070.27	26	24	4.17%	12"	RCP	-
P-14	S-13	S-14	1067.13	1067.69	94	91	0.62%	18"	RCP	-
P-14A	S-14	S-14A	1068.19	1068.34	26	24	0.62%	12"	RCP	-

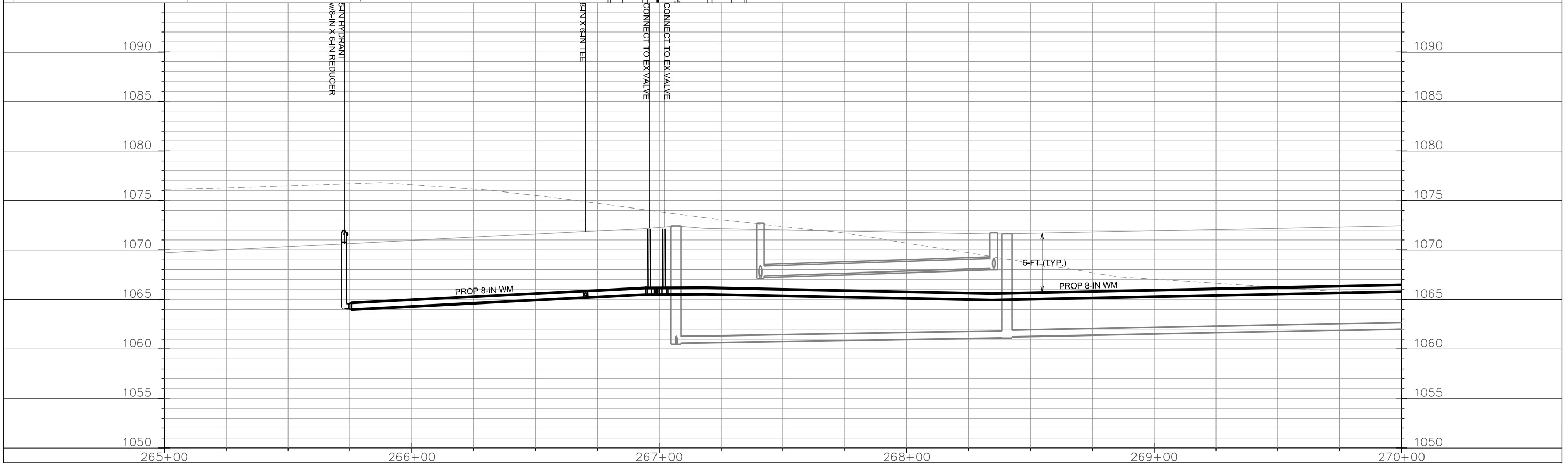
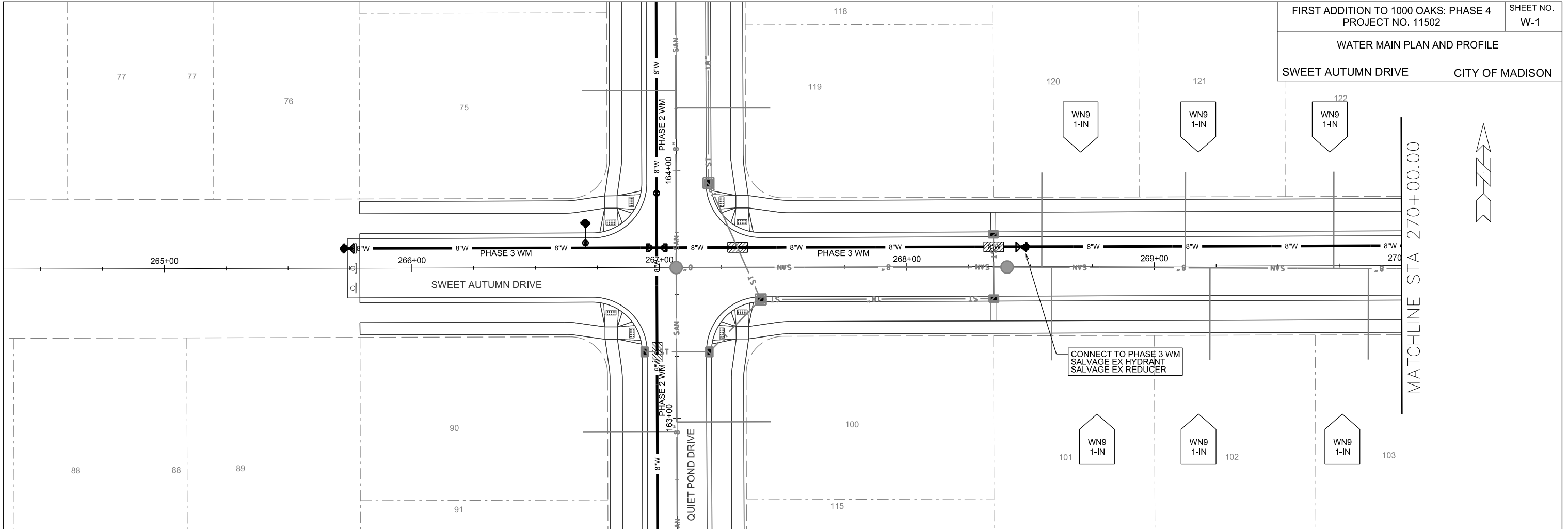
NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

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.

SPECIFIC NOTES

- (1) SEE CITY OF MADISON SDD 5.7.7A
- (2) STATIONED AT CENTERLINE OF PIPE INSTALLATION; SEE SDD 5.4.3

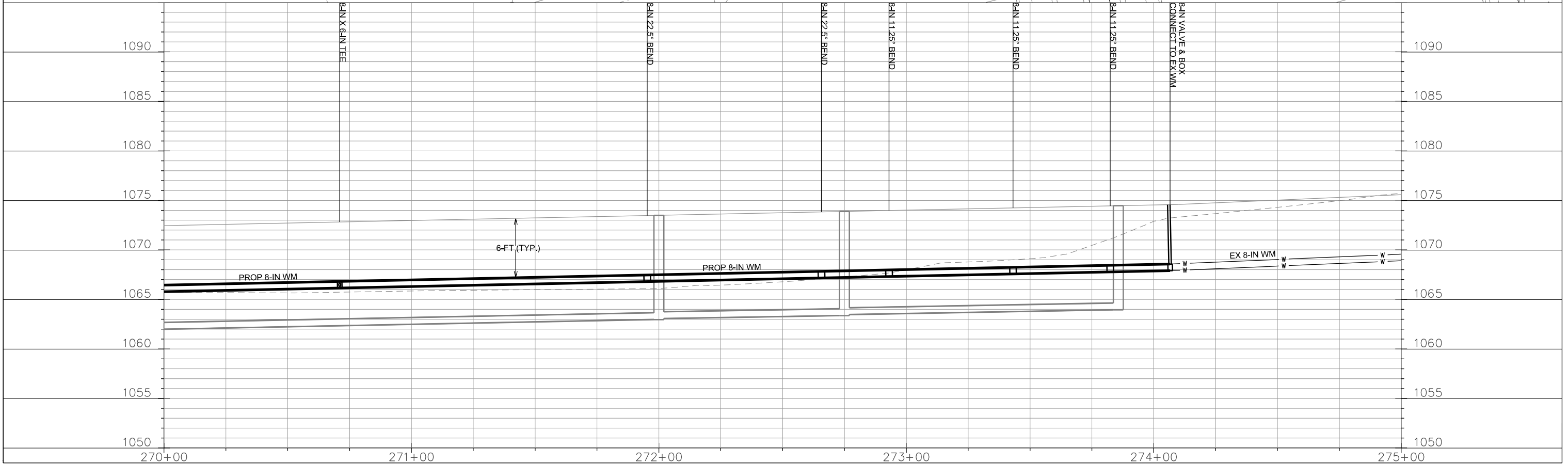
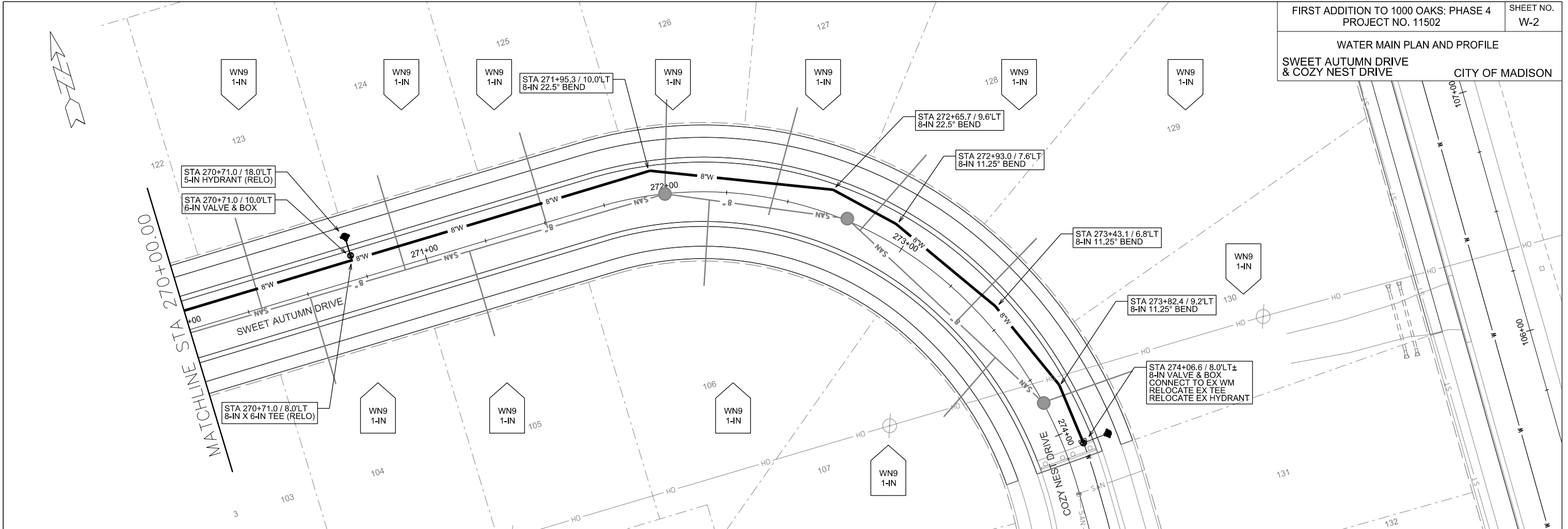


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

ESTIMATE OF PROJECT MATERIALS:

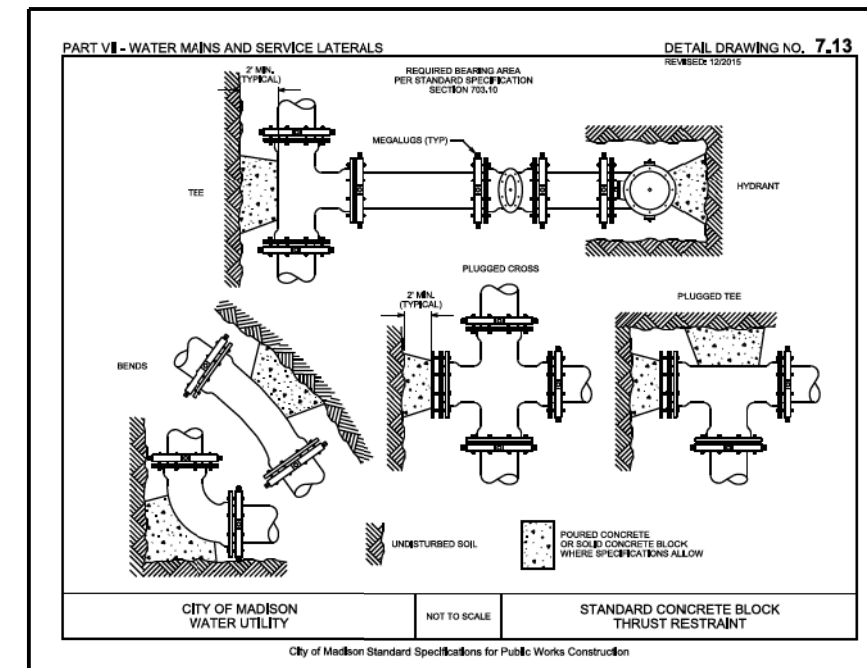
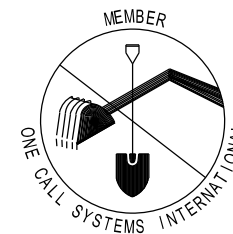
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.

PHASE 2		PHASE 3		PHASE 4	
WATER MAIN AND FITTING MATERIALS		WATER MAIN AND FITTING MATERIALS		WATER MAIN AND FITTING MATERIALS	
6-IN PIPE (LF)	100	6-IN PIPE (LF)	20	6-IN PIPE (LF)	15
8-IN PIPE (LF)	2160	8-IN PIPE (LF)	230	8-IN PIPE (LF)	620
POLY WRAP (LF)	2500	POLY WRAP (LF)	280	POLY WRAP (LF)	700
6-IN VALVES & BOXES	5	6-IN VALVES & BOXES	1	6-IN VALVES & BOXES	1
8-IN VALVES & BOXES	10	8-IN X 6-IN TEES	1	8-IN VALVES & BOXES	1
8-IN 11.25° BENDS	2	8-IN X 6-IN REDUCERS	2	8-IN 22.5° BENDS	2
8-IN 45° BENDS	4	5-IN HYDRANTS	3	8-IN 11.25° BENDS	3
8-IN X 6-IN TEES	5				
8-IN X 8-IN TEES	4	SALVAGED MATERIALS		SALVAGED MATERIALS	
8-IN X 8-IN CROSSES	1	8-IN MJ PLUGS	2	5-IN HYDRANTS	1
8-IN MJ PLUGS	7			8-IN X 6-IN REDUCERS	1
5-IN HYDRANTS	4			8-IN MJ PLUGS	1
		MISC. MATERIALS			
		INSULATION (LF)	AS REQ		
		COPPER TUBING (1-IN TO 2-IN)	AS REQ		
				REUSED MATERIALS	
				5-IN HYDRANTS	1
				8-IN X 6-IN TEES	1
				MISC. MATERIALS	
				INSULATION (LF)	AS REQ
				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.

CONSTRUCTION NOTES:

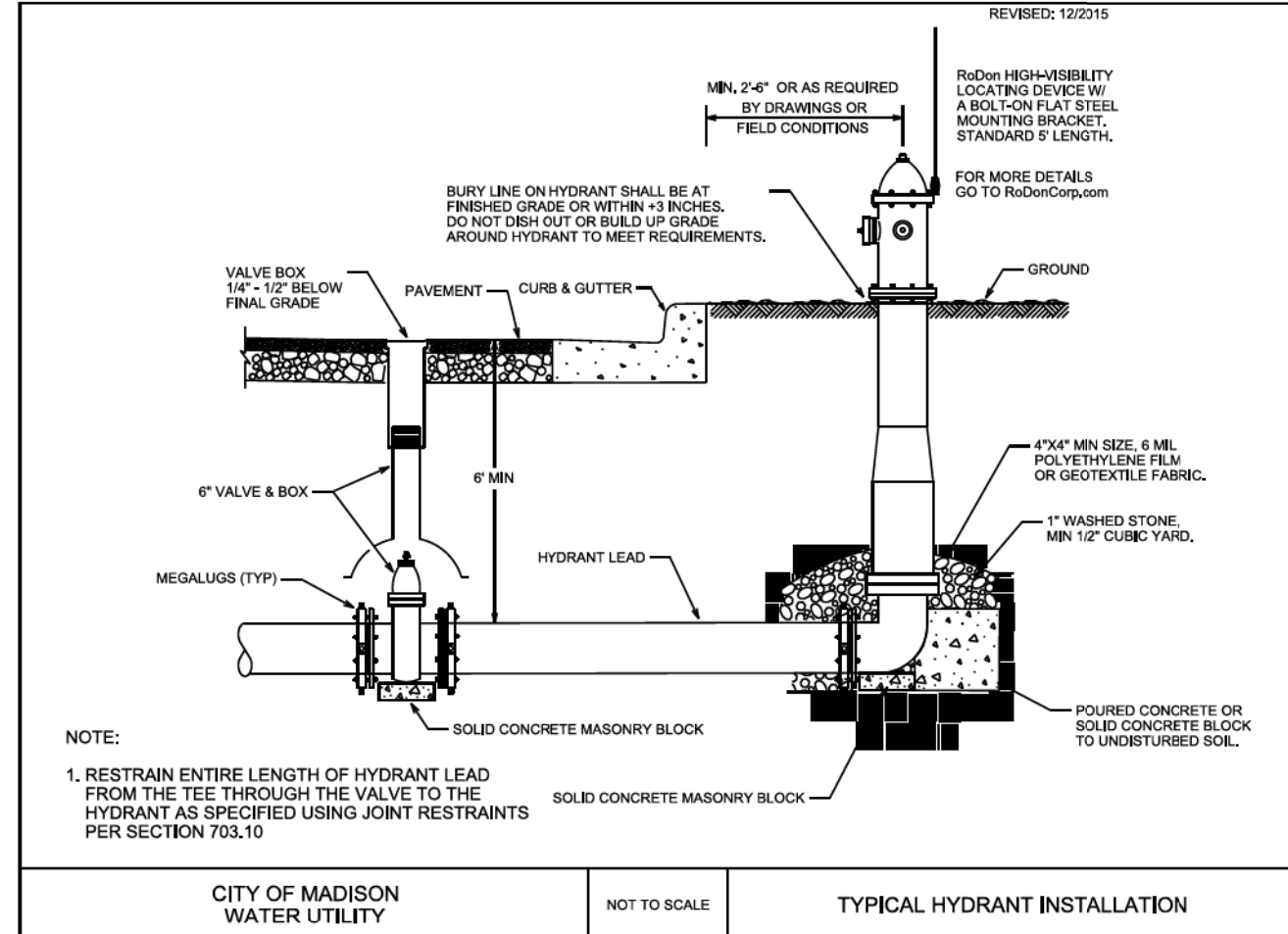
- CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
- VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
- MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
- 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

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04
REVISED: 12/2015



CITY OF MADISON WATER UTILITY NOT TO SCALE TYPICAL HYDRANT INSTALLATION

City of Madison Standard Specifications for Public Works Construction