

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

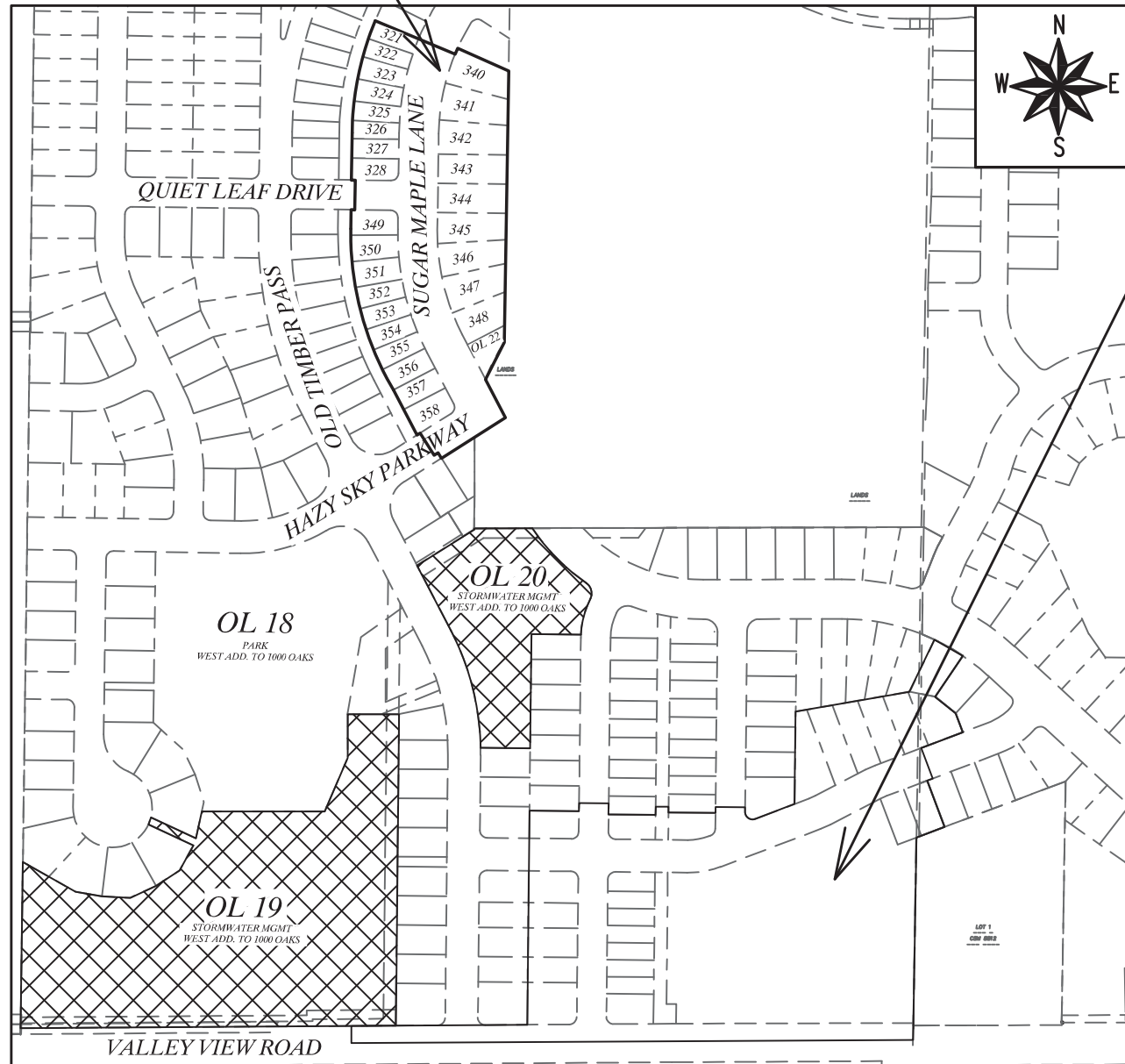
BIRCHWOOD POINT SOUTH: PHASE 3

CITY PROJECT NO. 12887

CONTRACT NO. 8550

MUNIS NO. 12887

PHASE 3



INDEX OF SHEETS

SHEET NO.	NOTES AND DETAILS
D1-D3	NOTES AND DETAILS
M1	PAVEMENT MARKING PLAN
P1-P4	STREET PLAN & PROFILES
U0-U3	UTILITY PLAN & PROFILES
USAN	SANITARY SEWER SCHEDULE
USTM	STORM SEWER SCHEDULE
W1-W6	WATER PLANS
MN1	MAINTENANCE MAP

 = SEE PROJECT NO. **11933** FOR STORMWATER MGMT PLANS
CONTRACT NO. 8196

REV 08/26/2020 AJC

PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 3, 2020

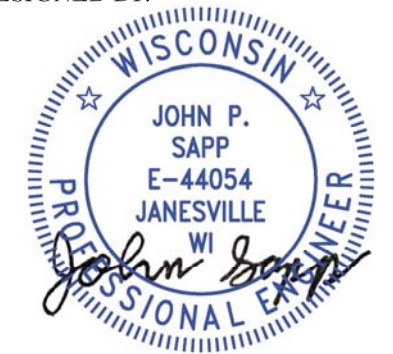
BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

John Papp Aug 10, 2020

City Engineer Date

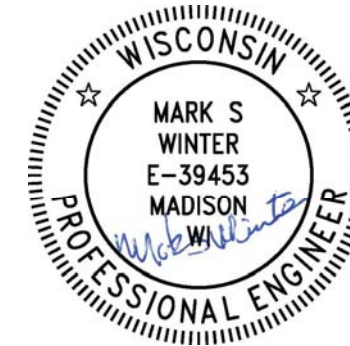
STREET GRADES DESIGNED BY:



Aug 10, 2020

WEST ADDITION TO 1000 OAKS: PHASE 1

STREET GEOMETRICS & PAVEMENT MARKINGS DESIGNED BY:



Aug 10, 2020

STORM SEWER DESIGNED BY:



Aug 10, 2020

WATER DESIGNED BY:



Aug 10, 2020

SANITARY SEWER DESIGNED BY:



Aug 10, 2020

PLOT SCALE: 1" = 1'

PLOT NAME: ----




REV. DATE: 8/6/2020 10:03 AM

ORIGINATOR: CITY_OF_MADISON

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, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

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

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

ALL PAVEMENT IN THE QUIET LEAF DRIVE RIGHT-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE HAZY SKY PARKWAY RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE SUGAR MAPLE LANE RIGHT-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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

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

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

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

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

CURB STATION AND OFFSETS SHALL BE TO THE **EDGE OF PAVEMENT** UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE **EDGE OF PAVEMENT** 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 RIGHT-OF-WAY 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.

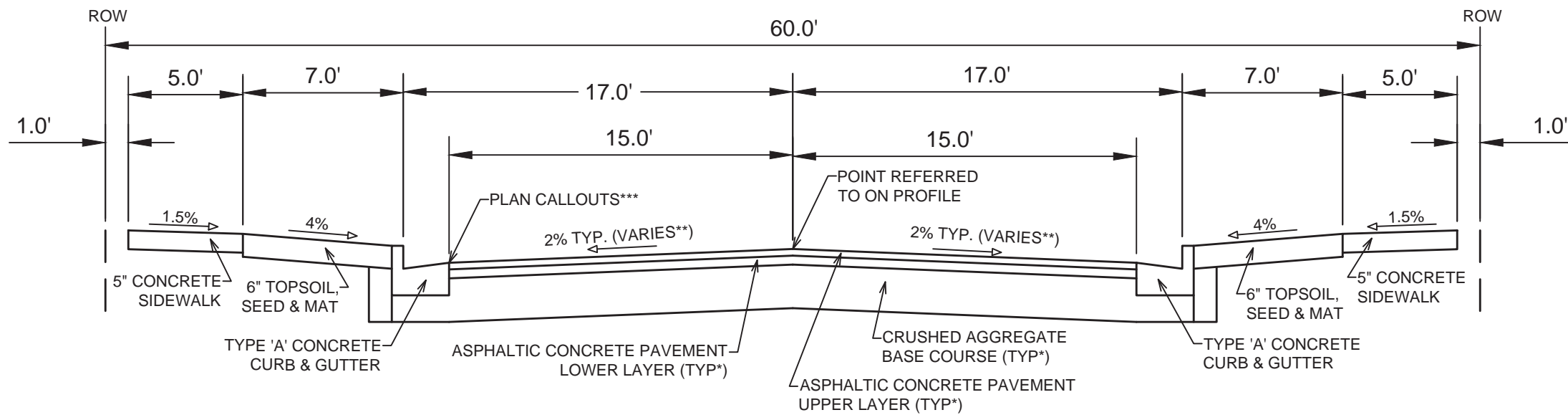
PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

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

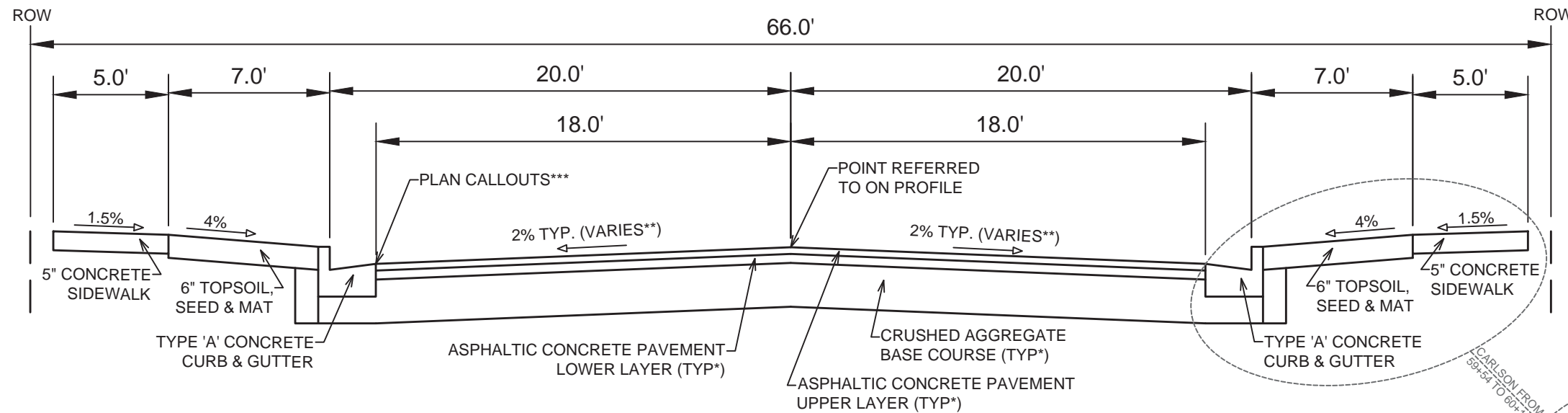
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



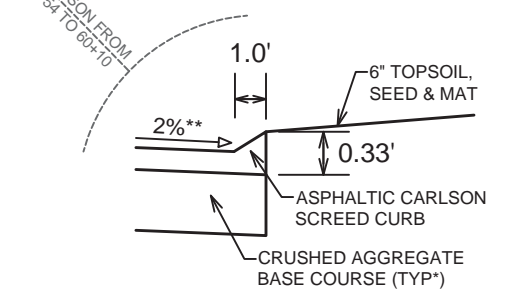
STANDARD NOTES AND COMMENTS	12887	DATE	BY
	MADISON, WI	REVISION	Scale: #####
BIRCHWOOD POINT SOUTH: PHASE 3	8550	Designd By: AJC	Date: 7/20/2020 4:22 PM
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	12887		
	D-1		



TYPICAL SECTION
QUIET LEAF DRIVE



TYPICAL SECTION
HAZY SKY PARKWAY
(STA 58+60 TO STA 60+10)



CARLSON SCREED CURB
STA 59+54 TO STA 60+10

NOTES:

- * QUIET LEAF DRIVE SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†
- * HAZY SKY PARKWAY SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†

** SEE PLAN AND PROFILE SHEETS FOR SLOPES, ELEVATIONS, AND OFFSETS

*** STATION OFFSET ELEVATION CALLOUTS AT **EDGE OF PAVEMENT**

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 3
SEE CONTRACT NO. 8550, PROJECT NO. 12887

CITY OF MADISON MINIMUM PAVEMENT DESIGN†

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

12887
MADISON, WI
CONTRACT NO: 8550

TYPICAL SECTION
BIRCHWOOD POINT SOUTH: PHASE 3

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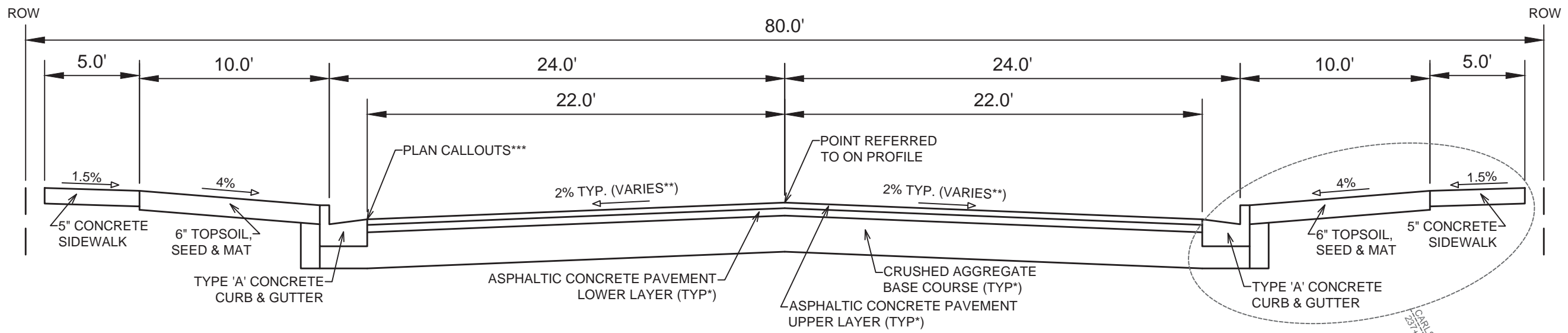
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D-2

MARK	REVISION	DATE	BY
12887			
Designed By: AJC	Date: 7/20/2020 4:22 PM	Scale: #####	D-3

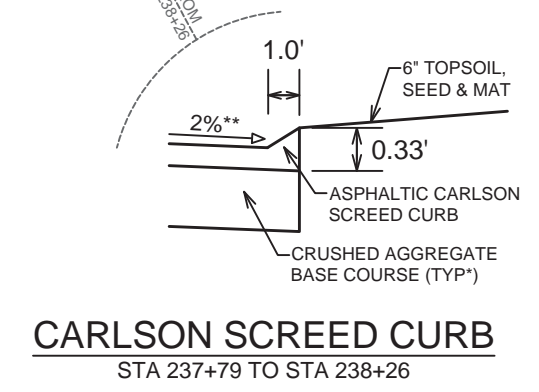
12887
MADISON, WI
8550
CONTRACT NO.:
TYPICAL SECTION
BIRCHWOOD POINT SOUTH: PHASE 3
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12887
D-3



TYPICAL SECTION
SUGAR MAPLE LANE
STA 237+79 TO STA 245+74



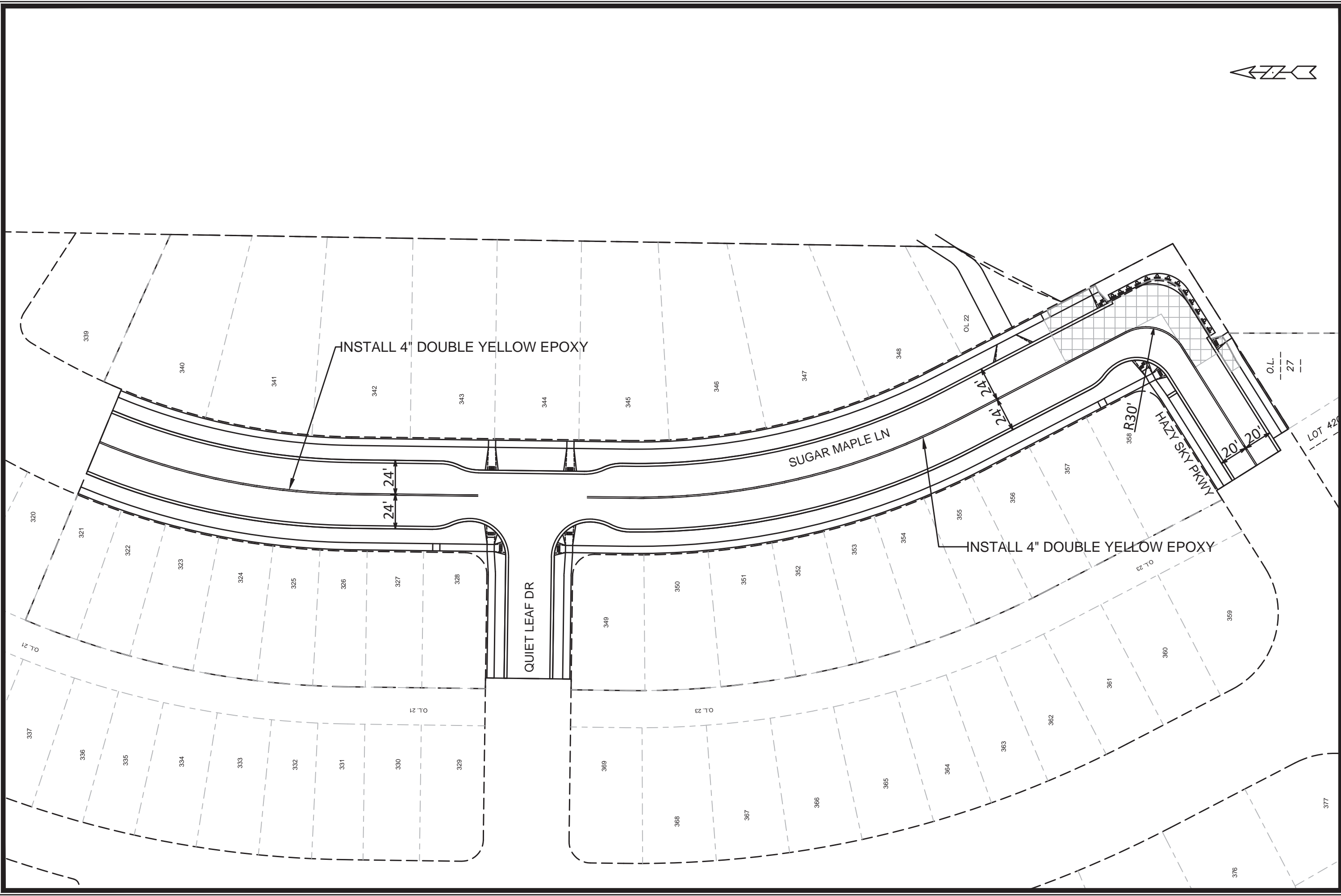
NOTES:
* SUGAR MAPLE LANE SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†

** SEE PLAN AND PROFILE FOR SLOPES, ELEVATIONS, AND OFFSETS
*** STATION OFFSET ELEVATION CALLOUTS AT **EDGE OF PAVEMENT**

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 3
SEE CONTRACT NO. 8550, PROJECT NO. 12887

CITY OF MADISON MINIMUM PAVEMENT DESIGN†

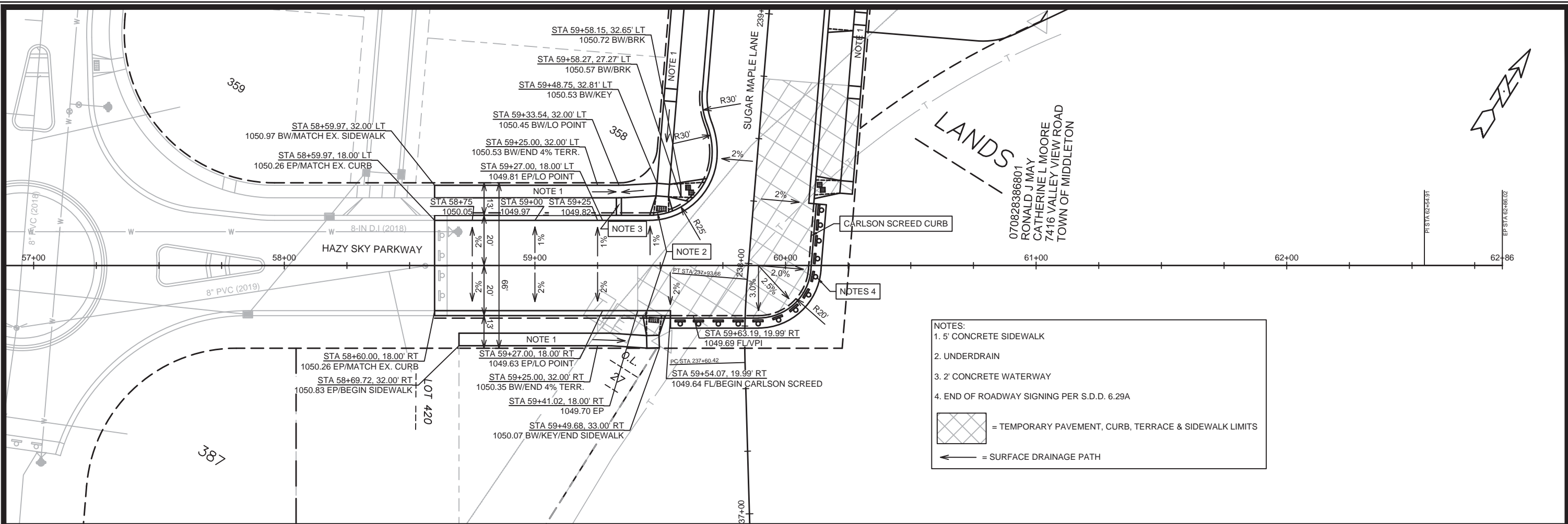
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	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H	2.00"





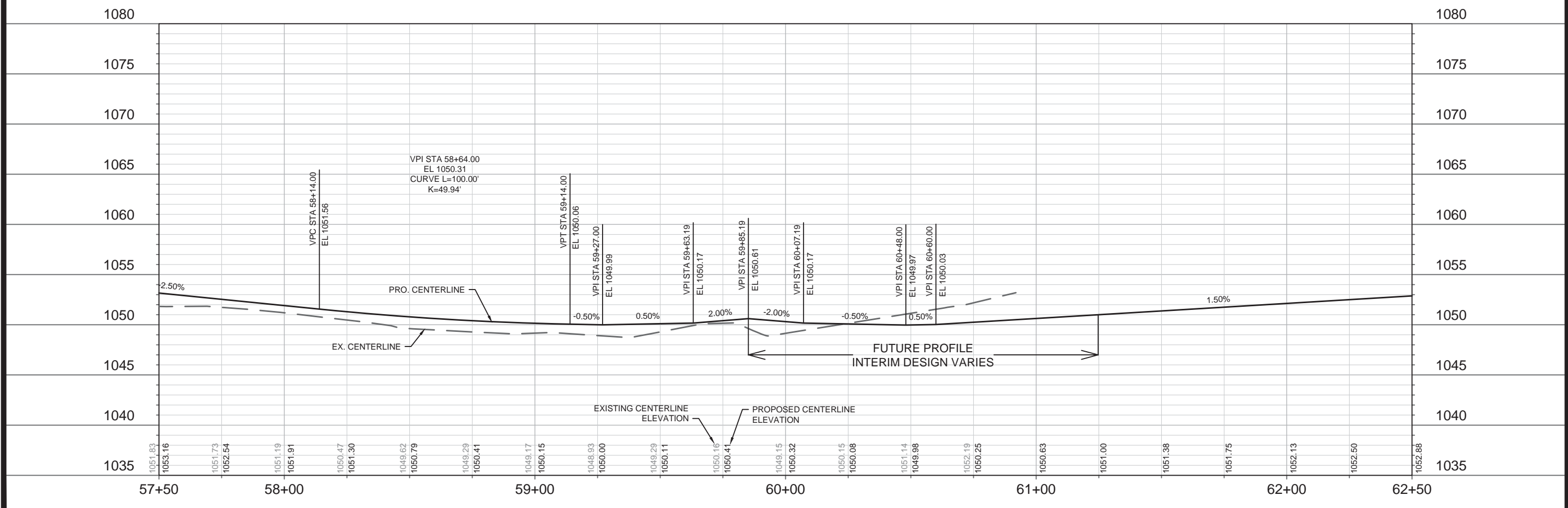
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MARKING PLAN
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BIRCHWOOD POINT SOUTH PHASE 3
MADISON, WI
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CONTRACT NO: ----
12887
M-1





- NOTES:
1. 5' CONCRETE SIDEWALK
 2. UNDERDRAIN
 3. 2' CONCRETE WATERWAY
 4. END OF ROADWAY SIGNING PER S.D.D. 6.29A
-  = TEMPORARY PAVEMENT, CURB, TERRACE & SIDEWALK LIMITS
 = SURFACE DRAINAGE PATH



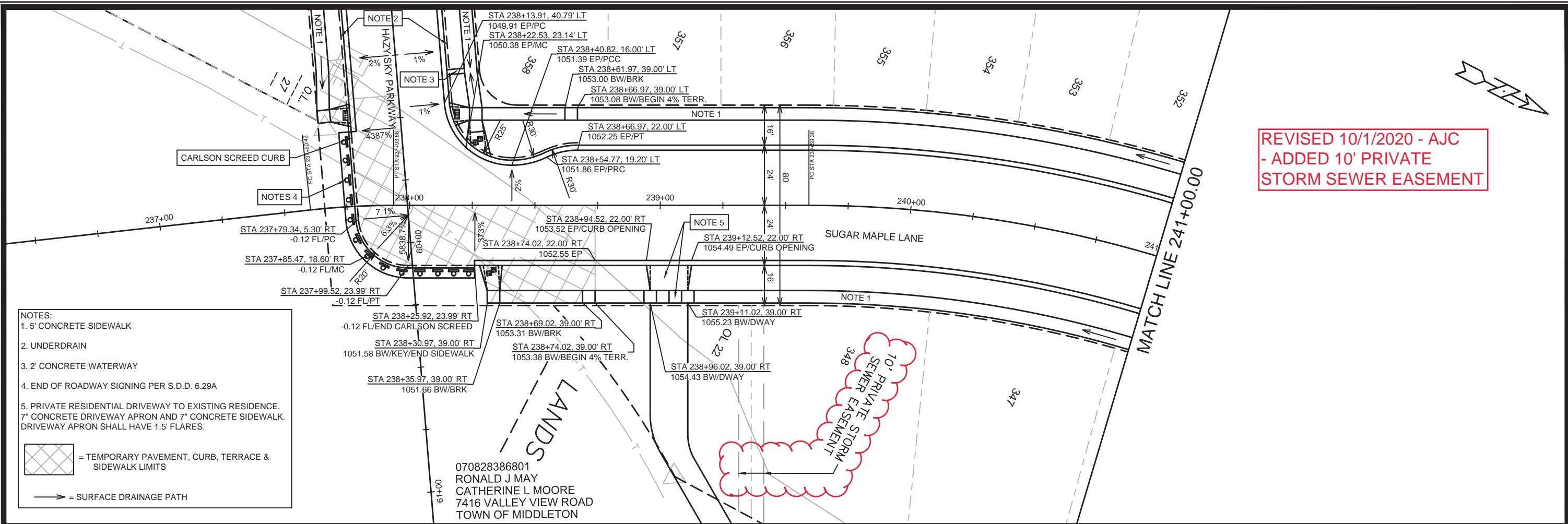
DATE	BY
REVISION	
MARK	
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12887	Scale: 1" = 40'
P-1	

12887
 MADISON, WI
 CONTRACT NO: 8550



HAZY SKY PARKWAY - PLAN & PROFILE
 BIRCHWOOD POINT SOUTH: PHASE 3
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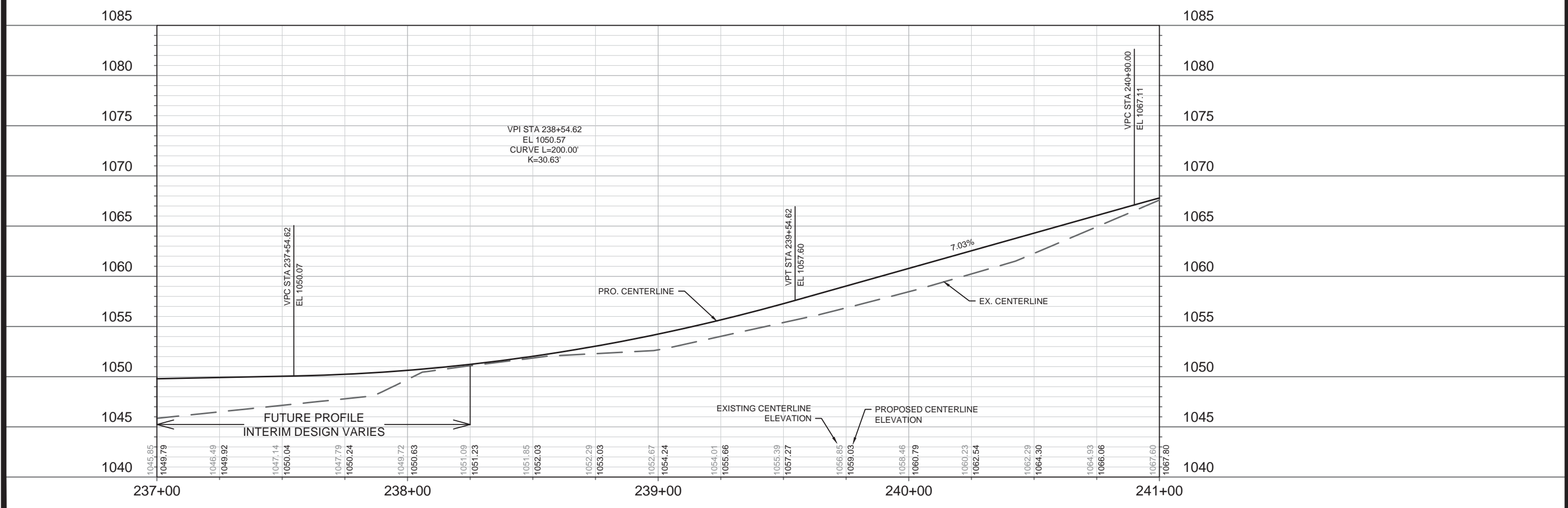
12887
 P-1



REVISED 10/1/2020 - AJC
 - ADDED 10' PRIVATE
 STORM SEWER EASEMENT

- NOTES:
1. 5' CONCRETE SIDEWALK
 2. UNDERDRAIN
 3. 2' CONCRETE WATERWAY
 4. END OF ROADWAY SIGNING PER S.D.D. 6.29A
 5. PRIVATE RESIDENTIAL DRIVEWAY TO EXISTING RESIDENCE. 7" CONCRETE DRIVEWAY APRON AND 7" CONCRETE SIDEWALK. DRIVEWAY APRON SHALL HAVE 1.5' FLARES.
-  = TEMPORARY PAVEMENT, CURB, TERRACE & SIDEWALK LIMITS
 = SURFACE DRAINAGE PATH

070828386801
 RONALD J MAY
 CATHERINE L MOORE
 7416 VALLEY VIEW ROAD
 TOWN OF MIDDLETON

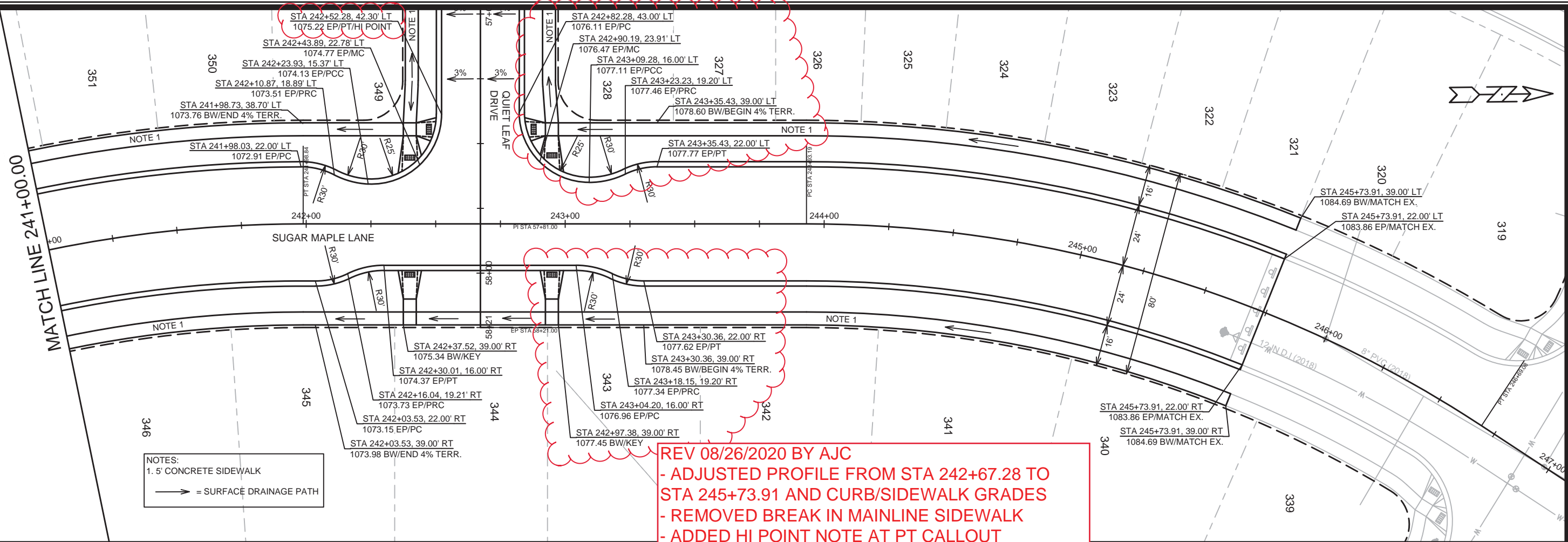


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REVISION	
Designed By: AJC	Date: 10/1/2020 3:17 PM
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12887
 MADISON, WI
 CONTRACT NO: 8550

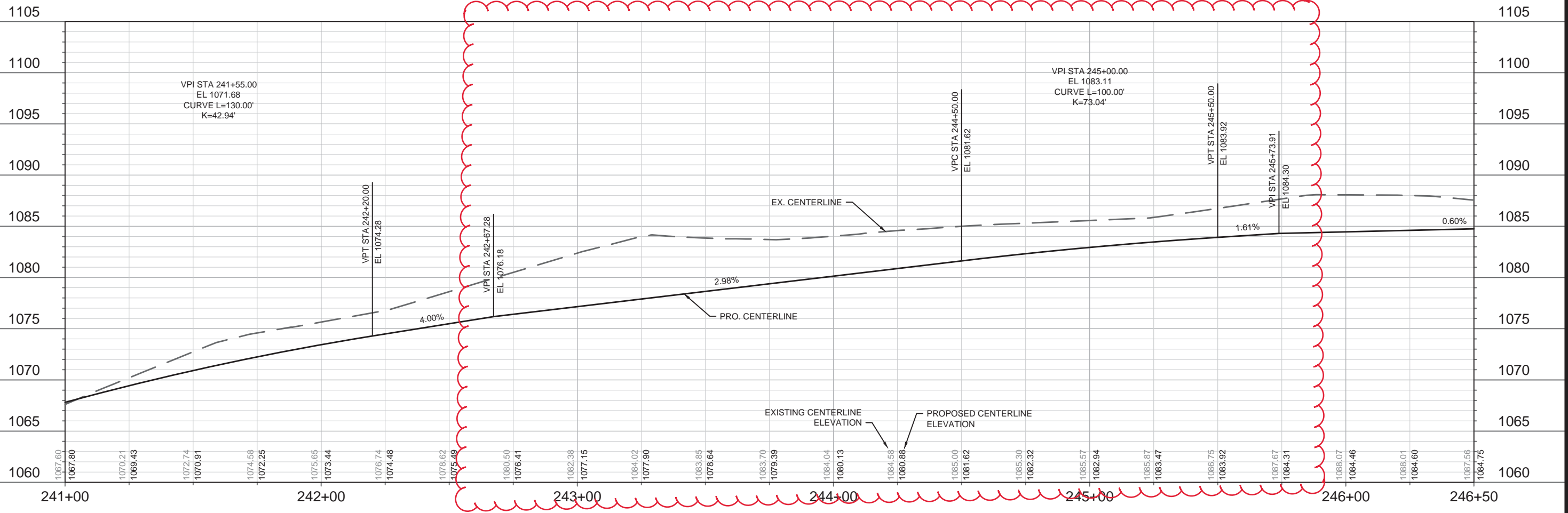
SUGAR MAPLE LANE - PLAN & PROFILE
 BIRCHWOOD POINT SOUTH: PHASE 3
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NOTES:
 1. 5' CONCRETE SIDEWALK
 → = SURFACE DRAINAGE PATH

REV 08/26/2020 BY AJC
 - ADJUSTED PROFILE FROM STA 242+67.28 TO STA 245+73.91 AND CURB/SIDEWALK GRADES
 - REMOVED BREAK IN MAINLINE SIDEWALK
 - ADDED HI POINT NOTE AT PT CALLOUT



DATE	BY	REVISION	DATE	BY
8/26/2020	AJC			

Scale: 1" = 40'

MARK: 12887

DESIGNED BY: AJC

CONTRACT NO: 8550

PROJECT: MADISON, WI

12887

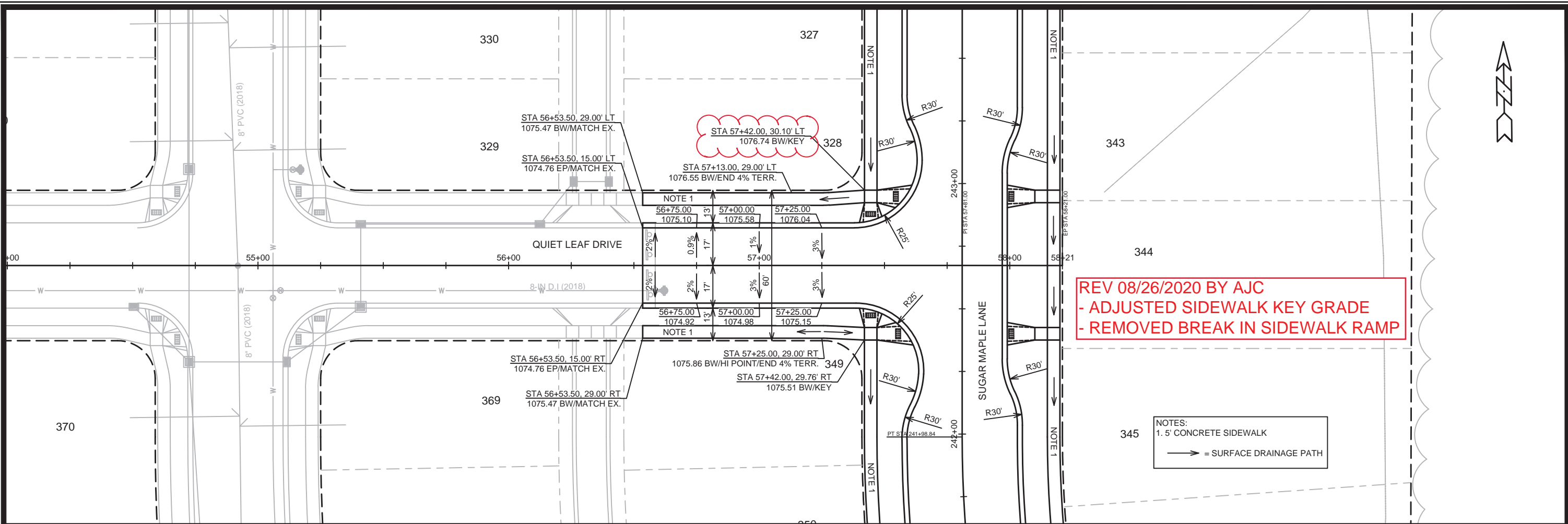
SUGAR MAPLE LANE - PLAN & PROFILE

BIRCHWOOD POINT SOUTH: PHASE 3

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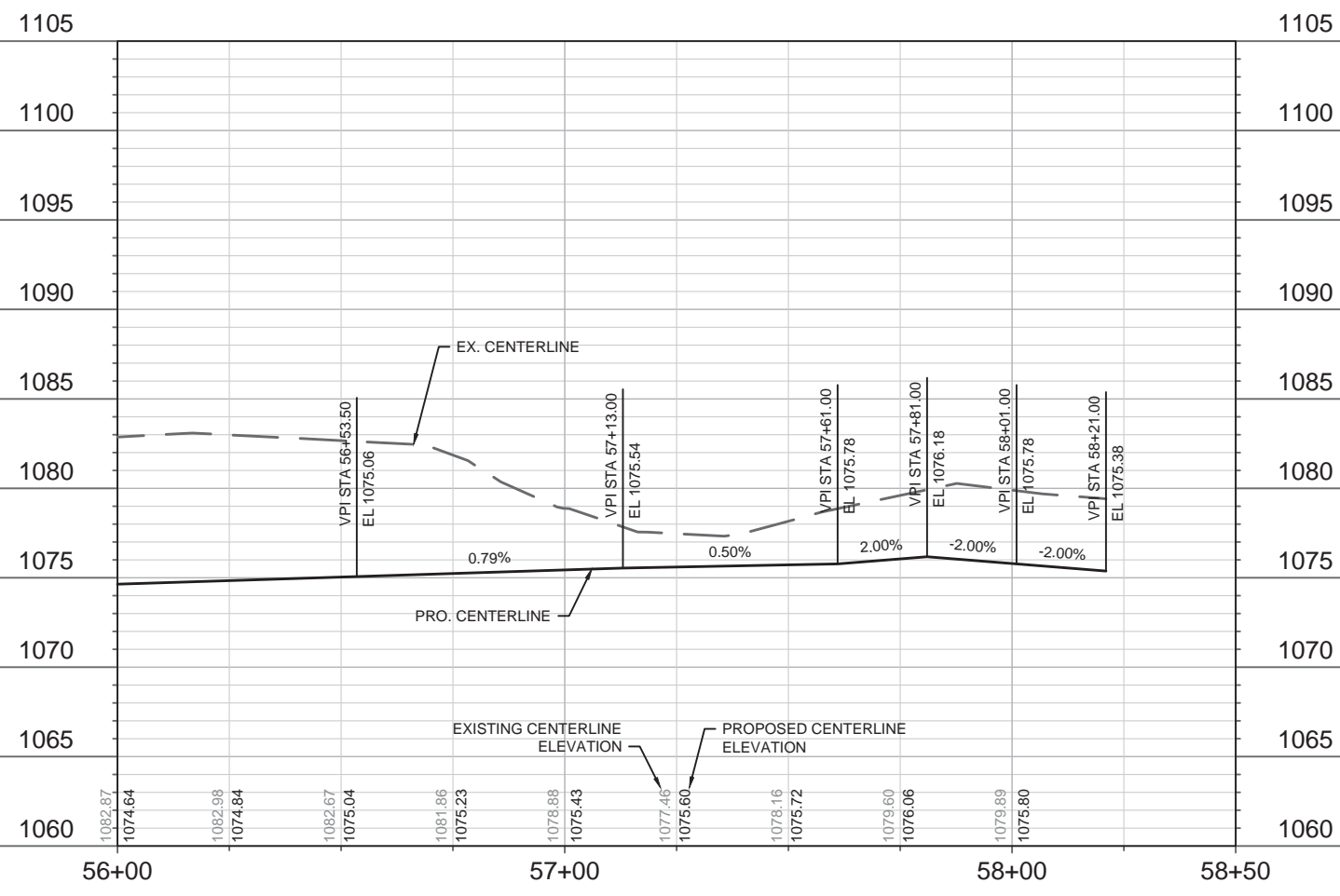
12887

P-3



REV 08/26/2020 BY AJC
- ADJUSTED SIDEWALK KEY GRADE
- REMOVED BREAK IN SIDEWALK RAMP

NOTES:
 1.5' CONCRETE SIDEWALK
 → = SURFACE DRAINAGE PATH

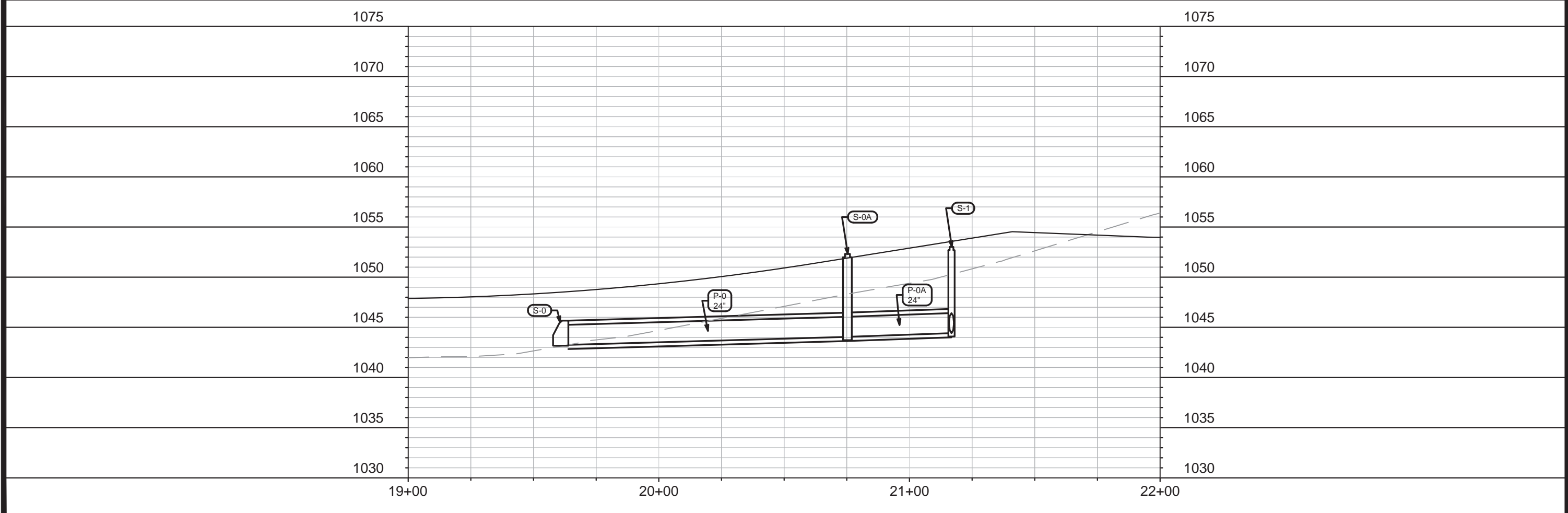
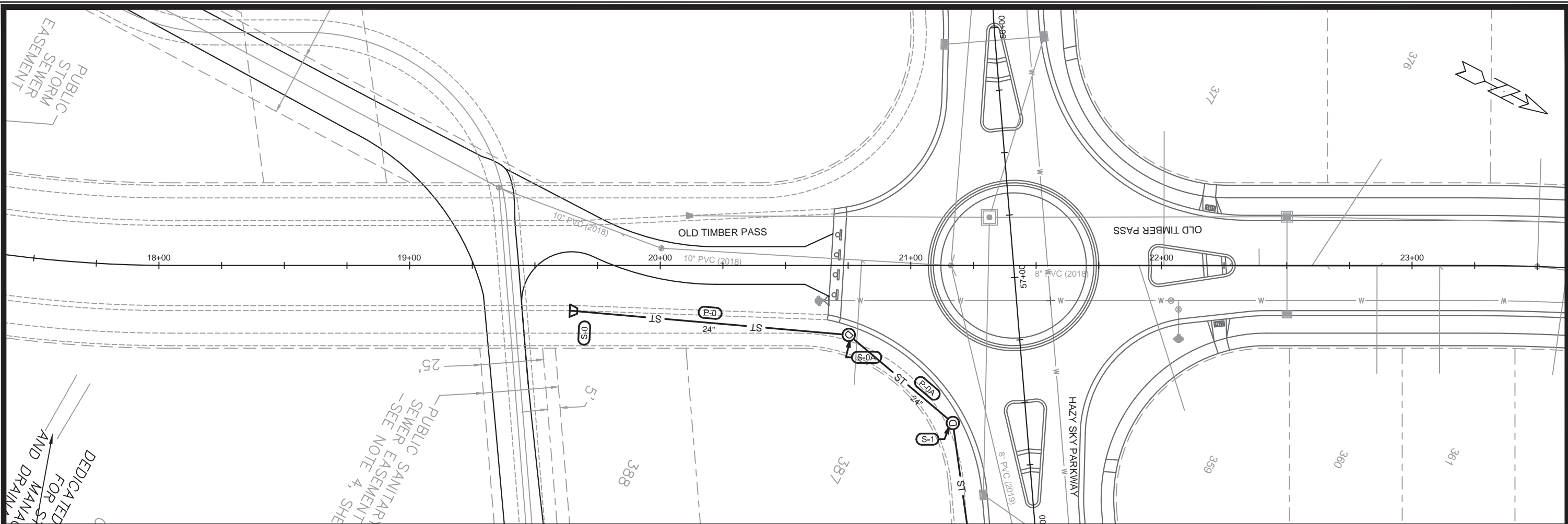


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12887		8/26/2020 10:26 AM	AJC
		Scale: 1" = 40'	P-4

12887
 MADISON, WI
 8550
 CONTRACT NO:

QUIET LEAF DRIVE - PLAN & PROFILE
 BIRCHWOOD POINT SOUTH: PHASE 3
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PUBLIC STORM SEWER EASEMENT

DEDICATED FOR STORM AND DRAINAGE

PUBLIC SANITARY SEWER EASEMENT - SEE NOTE 4, SHEET 12887-1

MARK	REVISION	DATE	BY

12887

CITY OF MADISON

8550

CONTRACT NO:

12887

OLD TIMBER PASS

BIRCHWOOD POINT SOUTH PHASE 3

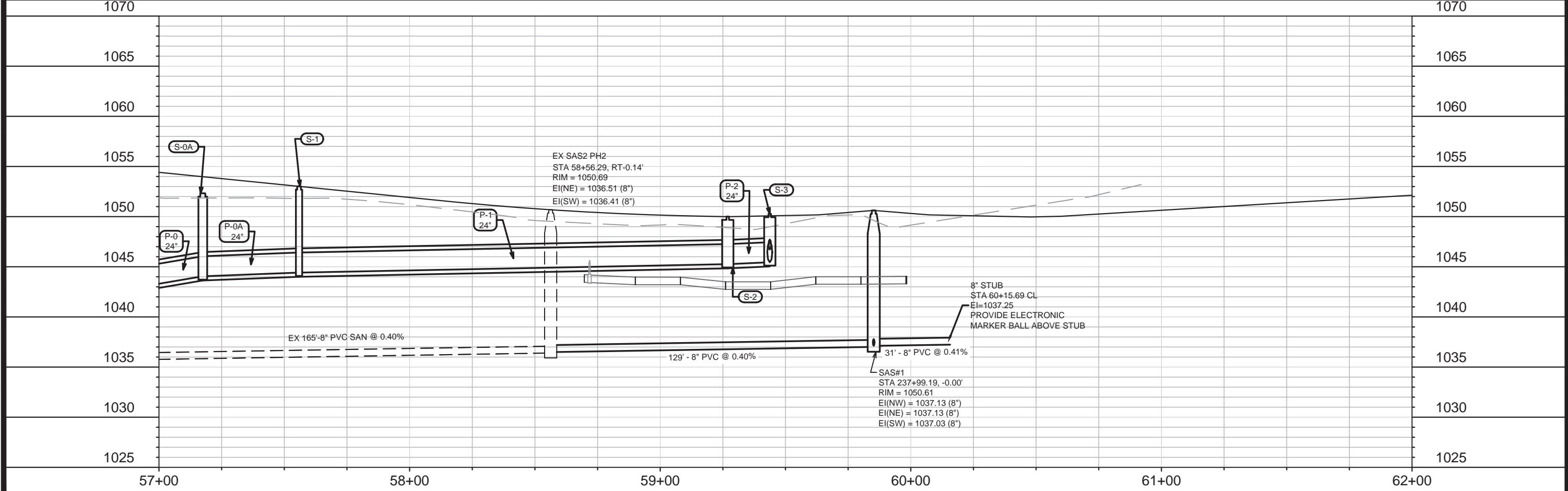
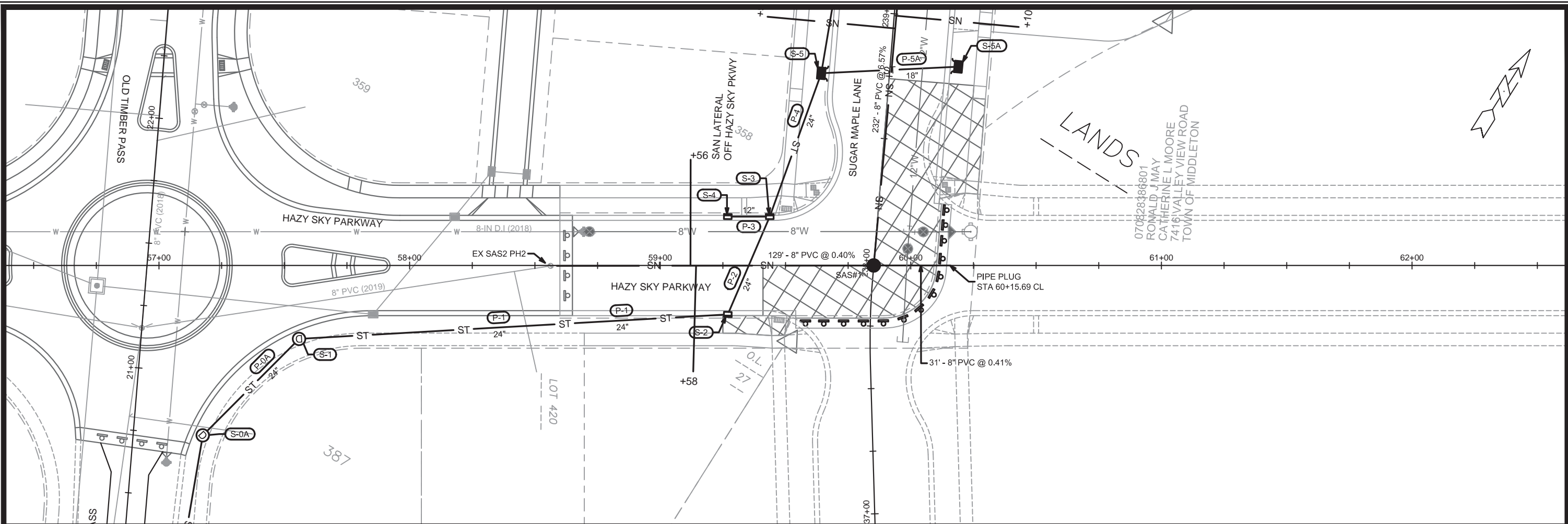
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12887

U-0

Designed By: EEA Date: 8/6/2020 3:00 PM Scale: 1" = 40'



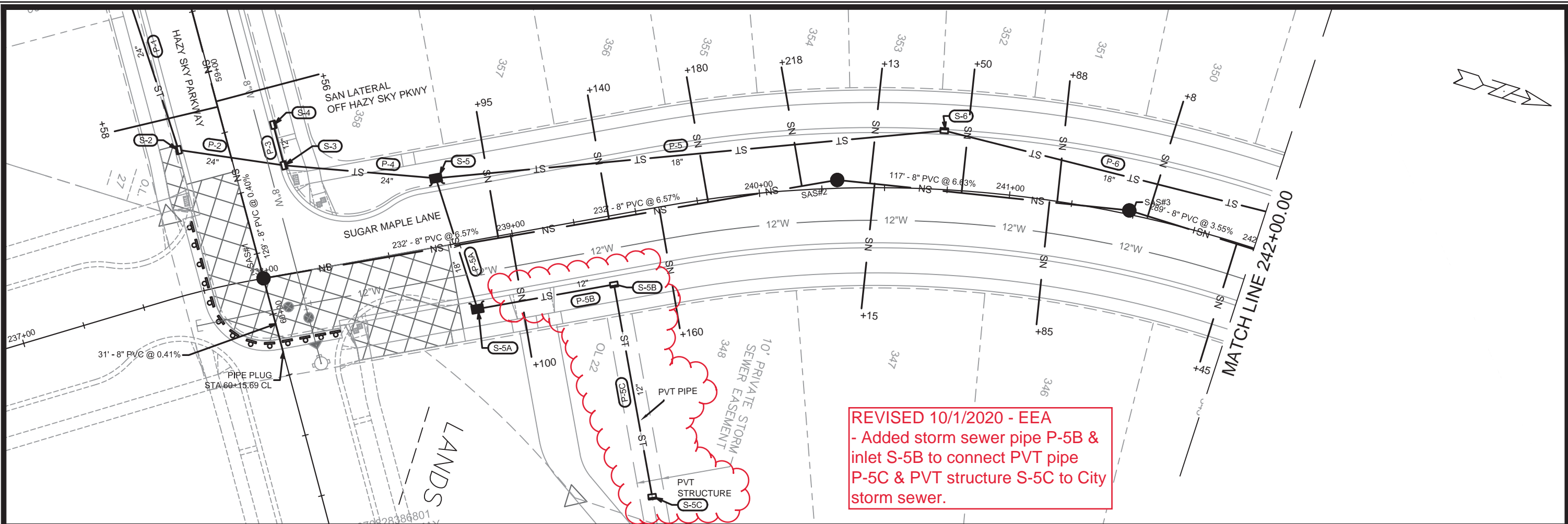
MARK	REVISION	DATE	BY
12887	U-1	8/6/2020 3:00 PM	U-1

12887
 CITY OF MADISON
 CONTRACT NO.: 8550

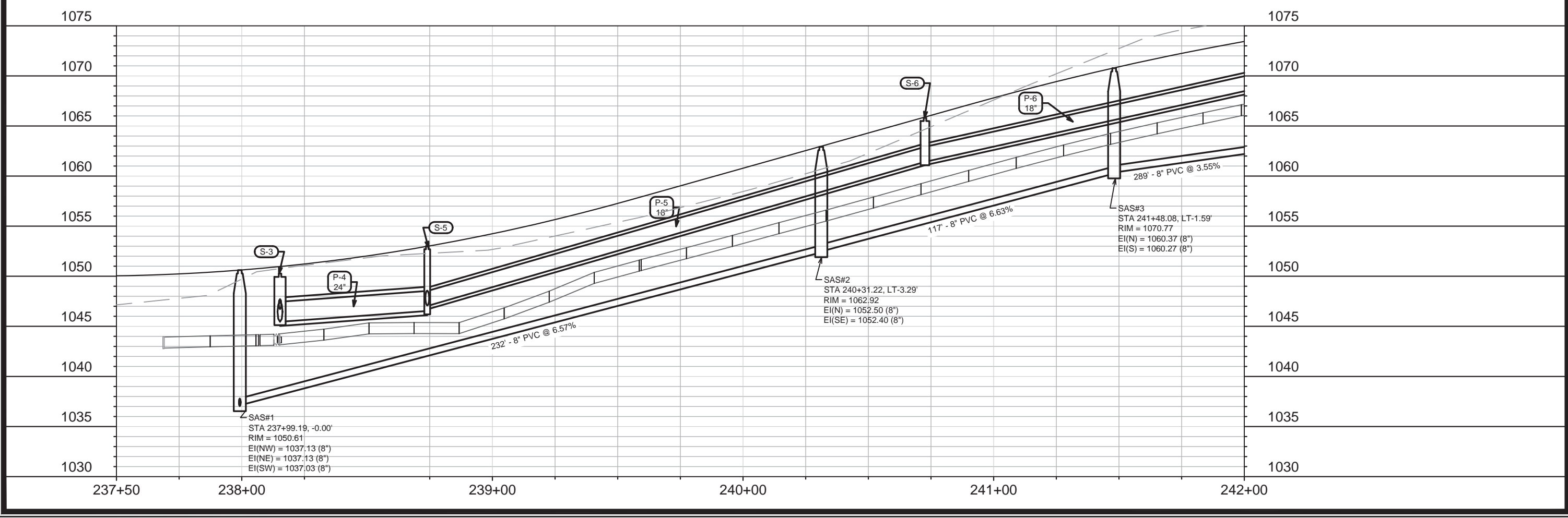
HAZY SKY PARKWAY
 BIRCHWOOD POINT SOUTH PHASE 3
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12887
 U-1



REVISED 10/1/2020 - EEA
 - Added storm sewer pipe P-5B & inlet S-5B to connect PVT pipe P-5C & PVT structure S-5C to City storm sewer.



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12887	U-2	10/1/2020 10:17 AM	Scale: 1" = 40'

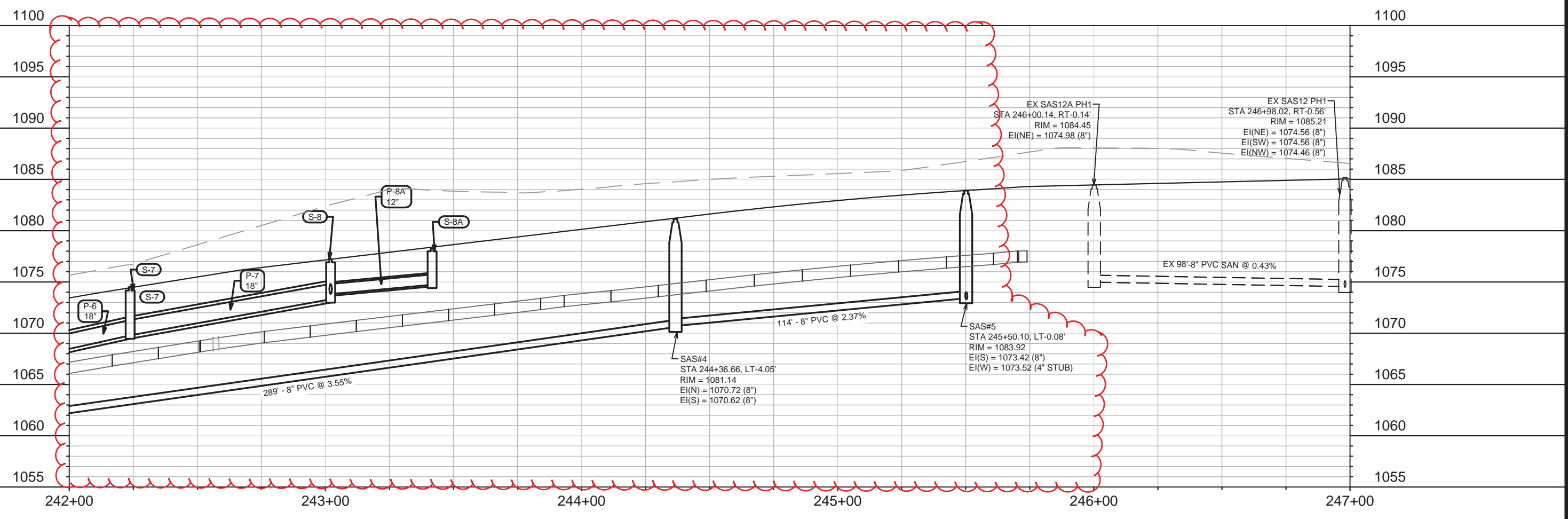
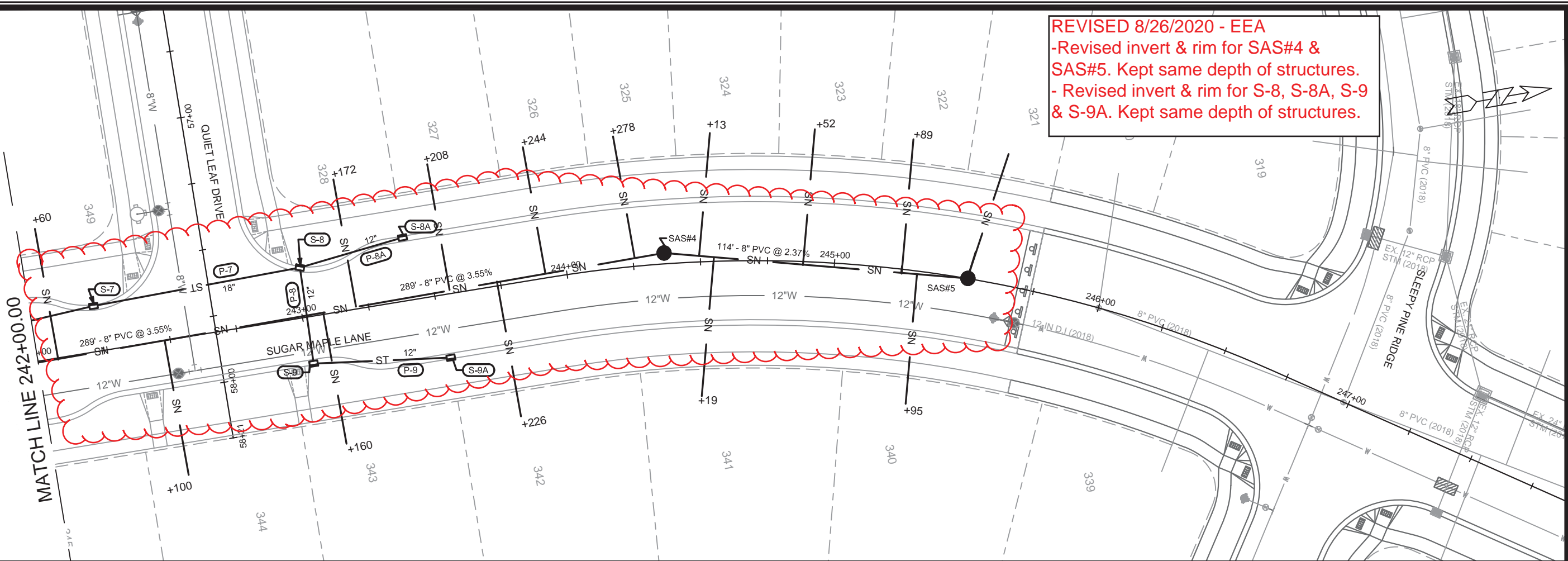
12887
 CITY OF MADISON
 CONTRACT NO.: 8550

SUGAR MAPLE LANE
 BIRCHWOOD POINT SOUTH PHASE 3
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12887
 U-2

REVISED 8/26/2020 - EEA
 - Revised invert & rim for SAS#4 & SAS#5. Kept same depth of structures.
 - Revised invert & rim for S-8, S-8A, S-9 & S-9A. Kept same depth of structures.



MARK	REVISION	DATE	BY
12887	U-3	8/26/2020 9:47 AM	Scale: 1" = 40'

12887
 CITY OF MADISON
 8550
 CONTRACT NO.:

SUGAR MAPLE LANE
 BIRCHWOOD POINT SOUTH PHASE 3
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12887
 U-3

SANITARY SEWER SCHEDULE

* REVISED 8/25/2020 EEA

BIRCHWOOD POINT SOUTH PH 3

SHEET NO.

PROJECT NO. 12887

U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
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SUGAR MAPLE LANE

SAS#1	237+99.19	CL	1050.61	1037.03	13.58	-
SAS#2	240+31.22	LT-3.29	1062.91	1052.40	10.51	-
SAS#3	241+48.08	LT-1.59	1070.77	1060.27	10.50	-
* SAS#4	244+36.66	LT-4.05	1081.14	1070.62	10.52	-
* SAS#5	245+50.10	LT-0.08	1083.92	1073.42	10.50	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
--------------	------------	--------------	-------------	----------------	-----------	-----------	----------	-------

EX SAS	SAS#1	1036.51	1037.03	129	0.40%	8"	SDR-35	-
SAS#1	SAS#2	1037.13	1052.40	232	6.57%	8"	SDR-35	-
SAS#2	SAS#3	1052.50	1060.27	117	6.63%	8"	SDR-35	-
* SAS#3	SAS#4	1060.37	1070.62	289	3.55%	8"	SDR-35	-
* SAS#4	SAS#5	1070.72	1073.42	114	2.37%	8"	SDR-35	-
SAS#1	STA 60+15.69 CL	1037.13	1037.25	31	0.41%	8"	SDR-35	-

NOTES:

STORM SEWER SCHEDULE

* REVISED 8/26/2020 EEA
 ++ REVISED 10/1/2020 EEA

BIRCHWOOD POINT SOUTH PH 3	SHEET NO.
PROJECT NO. 12887	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
OLD TIMBER PASS							
S-0	19+63.90	RT-18.00	24" APRON END	-	1043.25	-	W/ GATE
S-0A	20+75.26	RT-27.73	3X3 SAS	1052.60	1044.05	8.55	W/ R-1550-0054
HAZY SKY PARKWAY							
S-1	57+55.90	RT-29.30	3X3 SAS	1053.25	1044.42	8.83	W/ R-1550-0054
S-2	59+27.00	RT-19.50	4X4 SAS	1050.01	1045.26	4.75	LP; W/ R-3067-7004-VB; (1)
S-3	59+43.73	LT-19.50	4X4 SAS	1050.27	1045.45	4.82	W/ R-3067-7004-V
S-4	59+27.00	LT-19.50	H INLET	1050.19	1046.79	3.40	LP; W/ R-3067-7004-VB; (1)
SUGAR MAPLE LANE							
S-5	238+73.97	LT-27.75	TERRACE INLET TYPE II	1052.72	1046.53	6.19	PER S.D.D. 5.7.12A
S-5A	238+81.02	RT-27.75	TERRACE INLET TYPE II	1053.04	1047.29	5.75	PER S.D.D. 5.7.12A
++ S-5B	239+36.37	RT-27.27	H INLET	1056.80	1052.23	4.57	W/ R-1878-B7G
++ S-5C	239+36.32	RT-113.83	PRIVATE H INLET	1058.00	1054.40	3.60	W/ R-1878-B7G
S-6	240+72.59	LT-23.50	3X3 SAS	1065.82	1061.42	4.40	W/ R-3067-7004-V
S-7	242+24.03	LT-16.87	3X3 SAS	1074.50	1069.79	4.71	W/ R-3067-7004-V
* S-8	243+02.19	LT-18.53	3X3 SAS	1077.25	1073.31	3.94	W/ R-3067-7004-V
* S-8A	243+41.77	LT-23.50	H INLET	1078.33	1074.73	3.60	W/ R-3067-7004-V
* S-9	243+01.34	RT-17.50	H INLET	1077.24	1074.07	3.17	W/ R-3067-7004-V
* S-9A	243+52.17	RT-23.50	H INLET	1078.64	1075.02	3.62	W/ R-3067-7004-V

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-0	S-0	S-0A	1043.25	1044.05	112	109	0.73%	24"	TYPE II	-
P-0A	S-0A	S-1	1044.05	1044.42	54	52	0.71%	24"	TYPE II	-
P-1	S-1	S-2	1044.42	1045.26	171	168	0.50%	24"	TYPE II	-
P-2	S-2	S-3	1045.26	1045.45	42	38	0.50%	24"	TYPE I	-
P-3	S-3	S-4	1046.72	1046.79	17	13	0.54%	12"	TYPE II	-
P-4	S-3	S-5	1045.45	1046.53	61	58	1.86%	24"	TYPE I	-
P-5	S-5	S-6	1047.03	1061.42	204	201	7.16%	18"	TYPE I	-
P-5A	S-5	S-5A	1047.03	1047.29	55	52	0.50%	18"	TYPE I	-
++ P-5B	S-5A	S-5B	1047.79	1052.23	55	53	8.38%	12"	TYPE II	-
++ P-5C	S-5B	S-5C	1052.23	1054.40	86	84	2.58%	12"	TYPE II	PRIVATE PIPE
P-6	S-6	S-7	1061.42	1069.79	156	153	5.47%	18"	TYPE I	-
* P-7	S-7	S-8	1069.79	1073.31	78	75	4.69%	18"	TYPE I	-
* P-8	S-8	S-9	1073.81	1074.07	36	34	0.76%	12"	TYPE I	-
* P-8A	S-8	S-8A	1073.81	1074.73	40	37	2.49%	12"	TYPE II	-
* P-9	S-9	S-9A	1074.07	1075.02	51	48	1.98%	12"	TYPE II	-

SPECIFIC NOTES:

(1) INSTALL LOW POINT PVC DRAIN; SEE S.D.D. 5.7.7A

STANDARD NOTES:

-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.

-KOR N SEAL BOOTS OR EQUIVALENT SHALL BE USED FOR ALL PIPE CONNECTIONS TO PRECAST INLETS. IN ADDITION, KOR N SEAL BOOTS SHALL BE REQUIRED FOR ANY TYPE II PIPE CONNECTIONS TO SAS STORM STRUCTURES. CONCRETE COLLARS OR KOR N SEAL MAY BE USED FOR ANY RCP OR HERCP CONNECTIONS TO SAS STORM STRUCTURES.

-ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.

-ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.

- 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

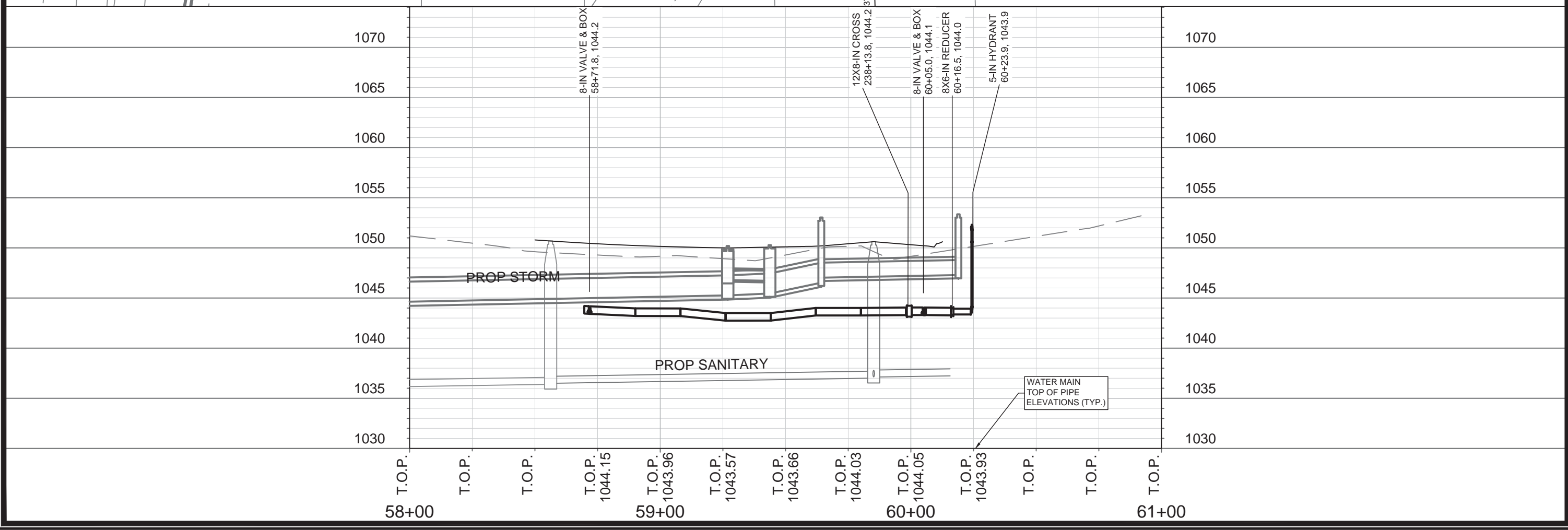
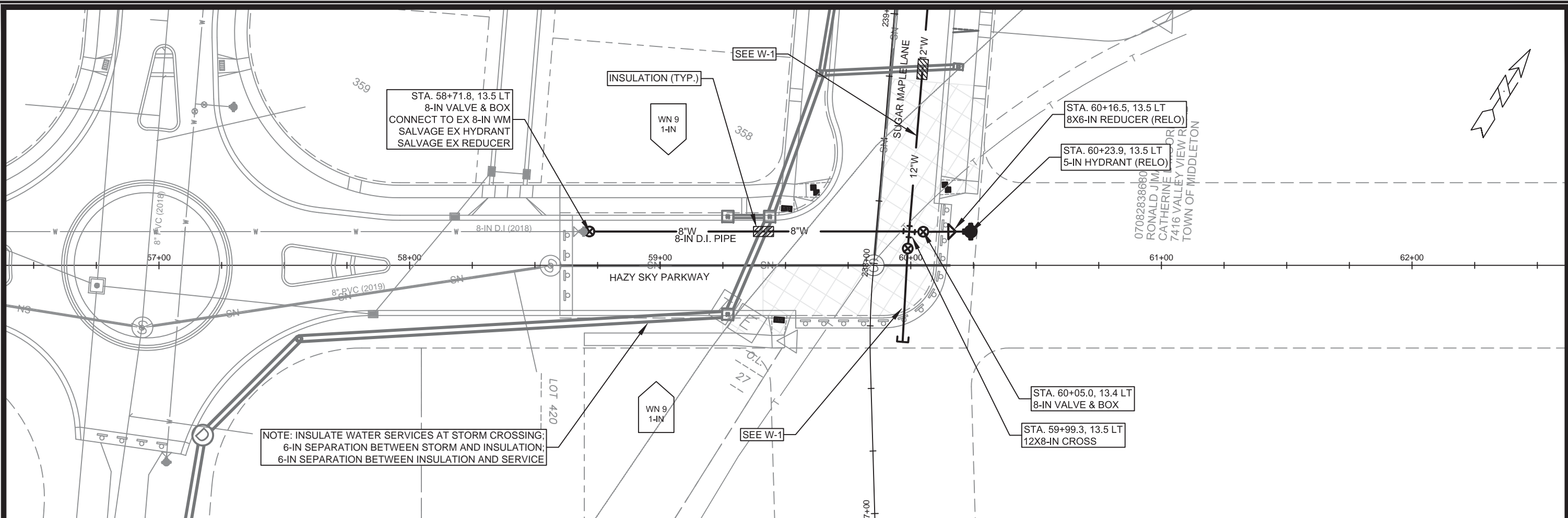
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.


- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.

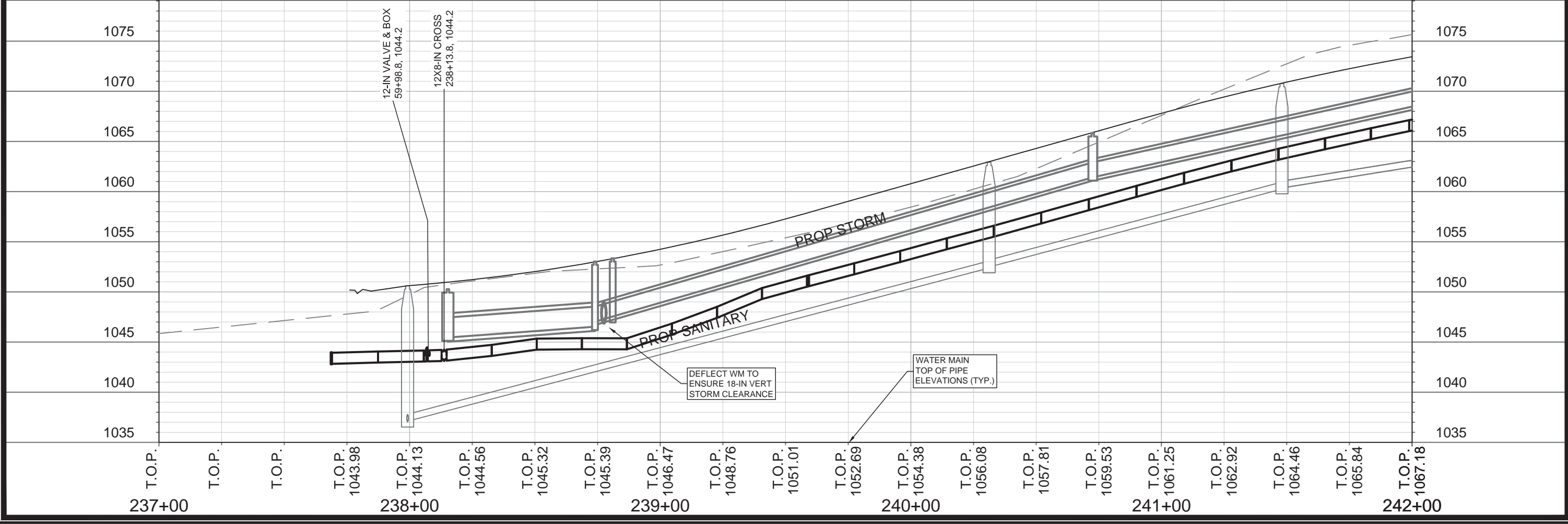
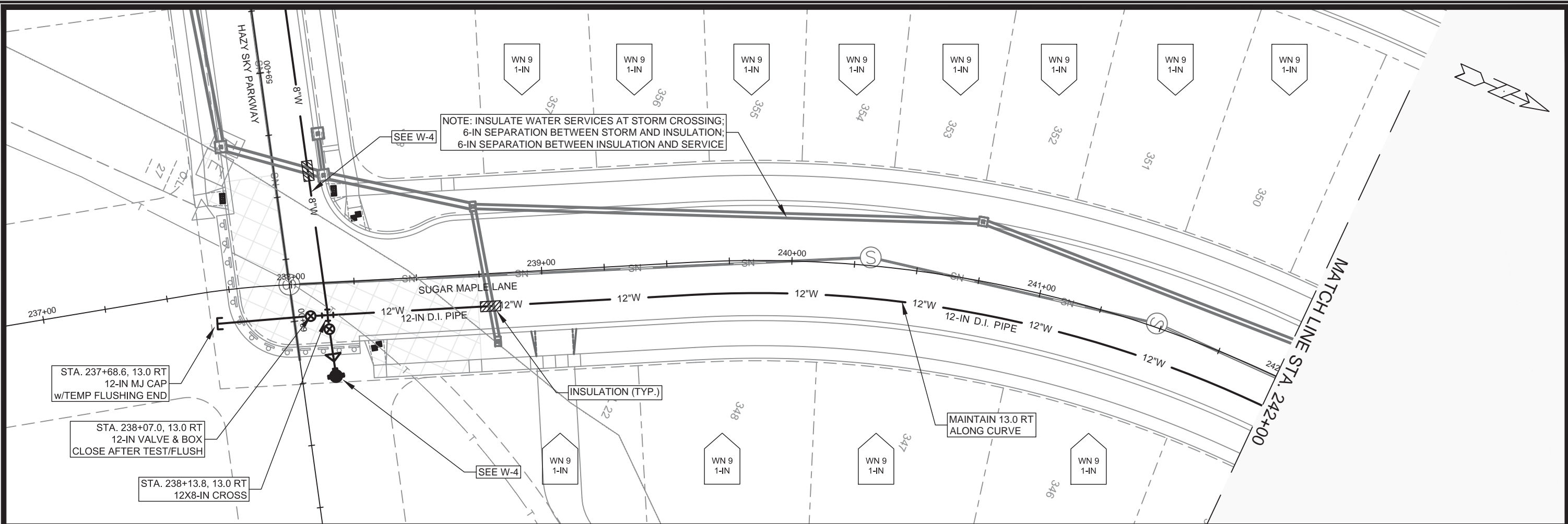
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- 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.



	HAZY SKY PARKWAY BIRCHWOOD POINT SOUTH: PHASE 3	12887 W-1	12887 MADISON, WI CONTRACT NO: 8550
I:\gisserver\data\DESIGN\Projects\12887\CSD\Water\12887WU-Water.dwg			
MARK: _____ REVISION: _____ DATE: _____ BY: _____	Designed By: PEH Date: 7/28/2020 7:32 AM Scale: 1" = 40' 12887 W-1		



NOTE: INSULATE WATER SERVICES AT STORM CROSSING;
 6-IN SEPARATION BETWEEN STORM AND INSULATION;
 6-IN SEPARATION BETWEEN INSULATION AND SERVICE

STA. 237+68.6, 13.0 RT
 12-IN MJ CAP
 w/TEMP FLUSHING END

STA. 238+07.0, 13.0 RT
 12-IN VALVE & BOX
 CLOSE AFTER TEST/FLUSH

STA. 238+13.8, 13.0 RT
 12X8-IN CROSS

MAINTAIN 13.0 RT
 ALONG CURVE

DEFLECT WM TO
 ENSURE 18-IN VERT
 STORM CLEARANCE

WATER MAIN
 TOP OF PIPE
 ELEVATIONS (TYP.)

MARK	REVISION	DATE	BY
12887		7/28/2020 6:01 AM	W-2

12887
 MADISON, WI
 CONTRACT NO.: 8550

SUGAR MAPLE LANE
 BIRCHWOOD POINT SOUTH: PHASE 3
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12887
 W-2

REVISED 8/26/2020 - PEH:

*ADJUSTED PROPOSED WATER MAIN GRADES

NOTE: INSULATE WATER SERVICES AT STORM CROSSING;
6-IN SEPARATION BETWEEN STORM AND INSULATION;
6-IN SEPARATION BETWEEN INSULATION AND SERVICE

MAINTAIN 13.0 RT
ALONG CURVE

STA. 245+70.4, 13.0 RT
12-IN VALVE & BOX
CONNECT TO EX 12-IN WM
RELOCATE EX HYDRANT
RELOCATE EX REDUCER

STA. 242+57.3, 13.0 RT
12X8-IN TEE

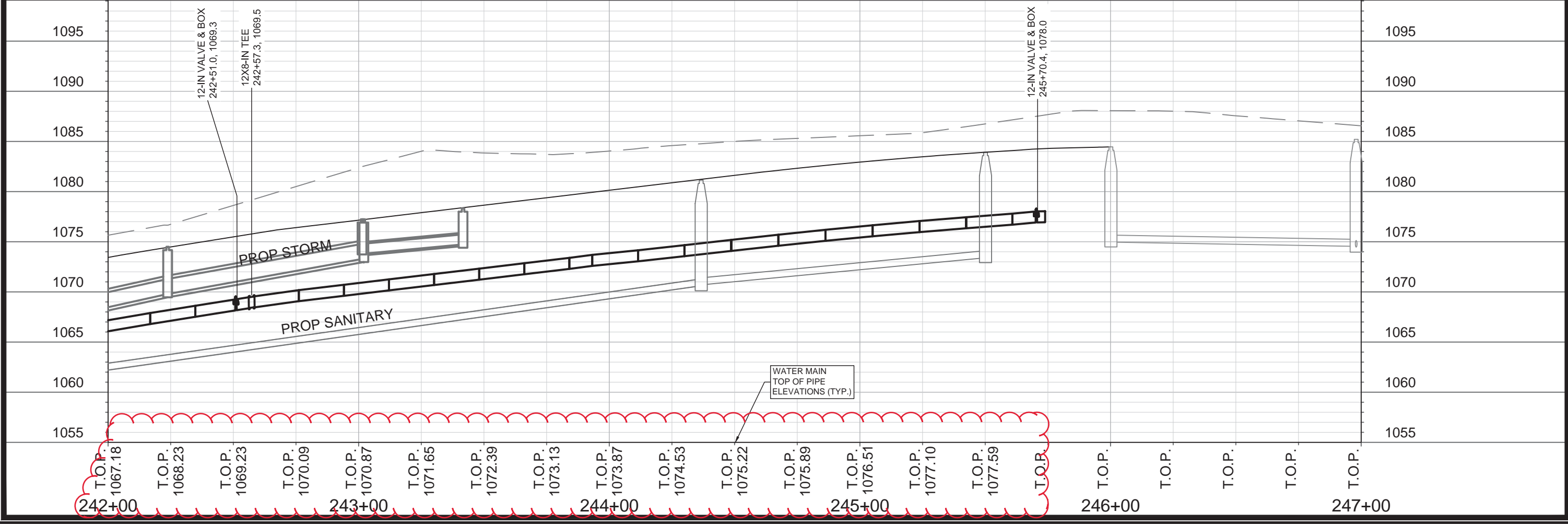
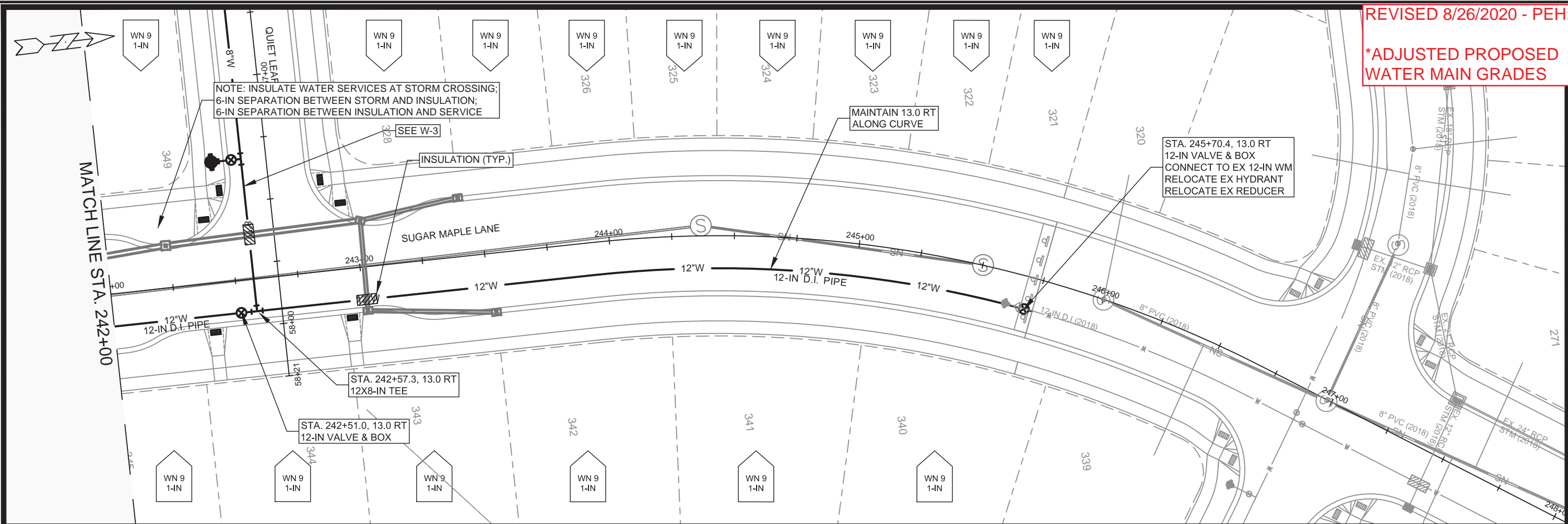
STA. 242+51.0, 13.0 RT
12-IN VALVE & BOX

12-IN VALVE & BOX
242+51.0, 1069.3

12X8-IN TEE
242+57.3, 1069.5

12-IN VALVE & BOX
245+70.4, 1078.0

WATER MAIN
TOP OF PIPE
ELEVATIONS (TYP.)

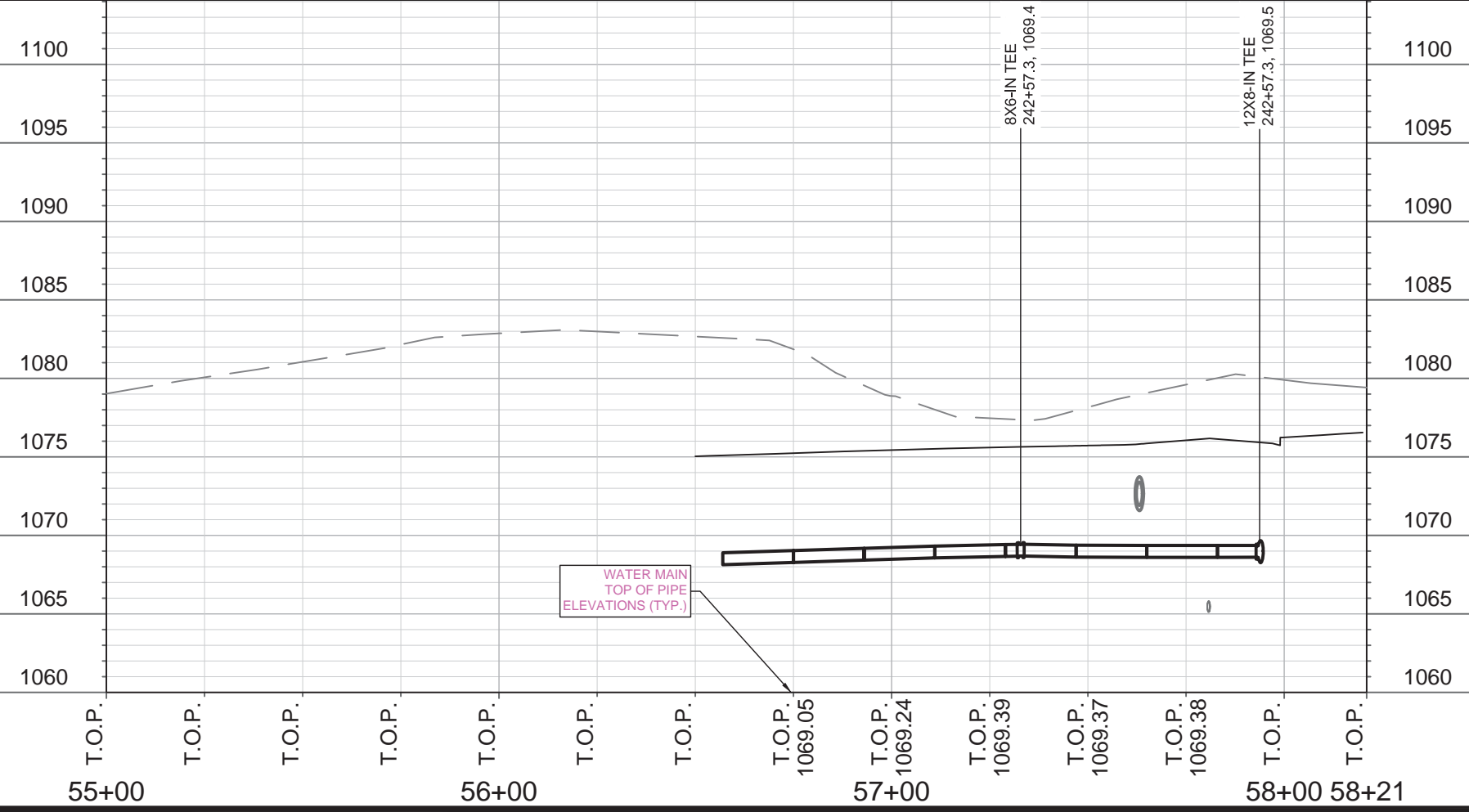
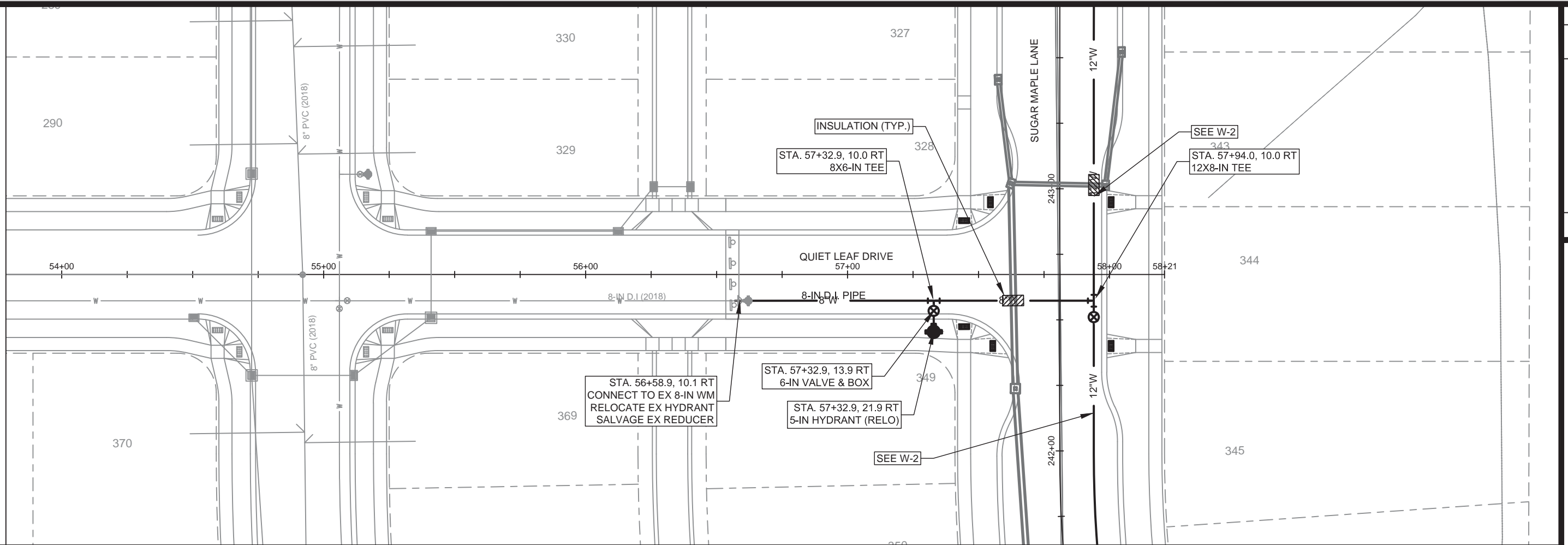


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12887	12887	8/26/2020 3:43 PM	PEH
Scale: 1" = 40'			W-3

12887
MADISON, WI
CONTRACT NO: 8550

SUGAR MAPLE LANE
BIRCHWOOD POINT SOUTH: PHASE 3
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12887
W-3



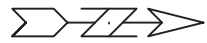
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12887	7/28/2020 7:33 AM	1" = 40'	W-4

12887
 MADISON, WI
 CONTRACT NO.: 8550

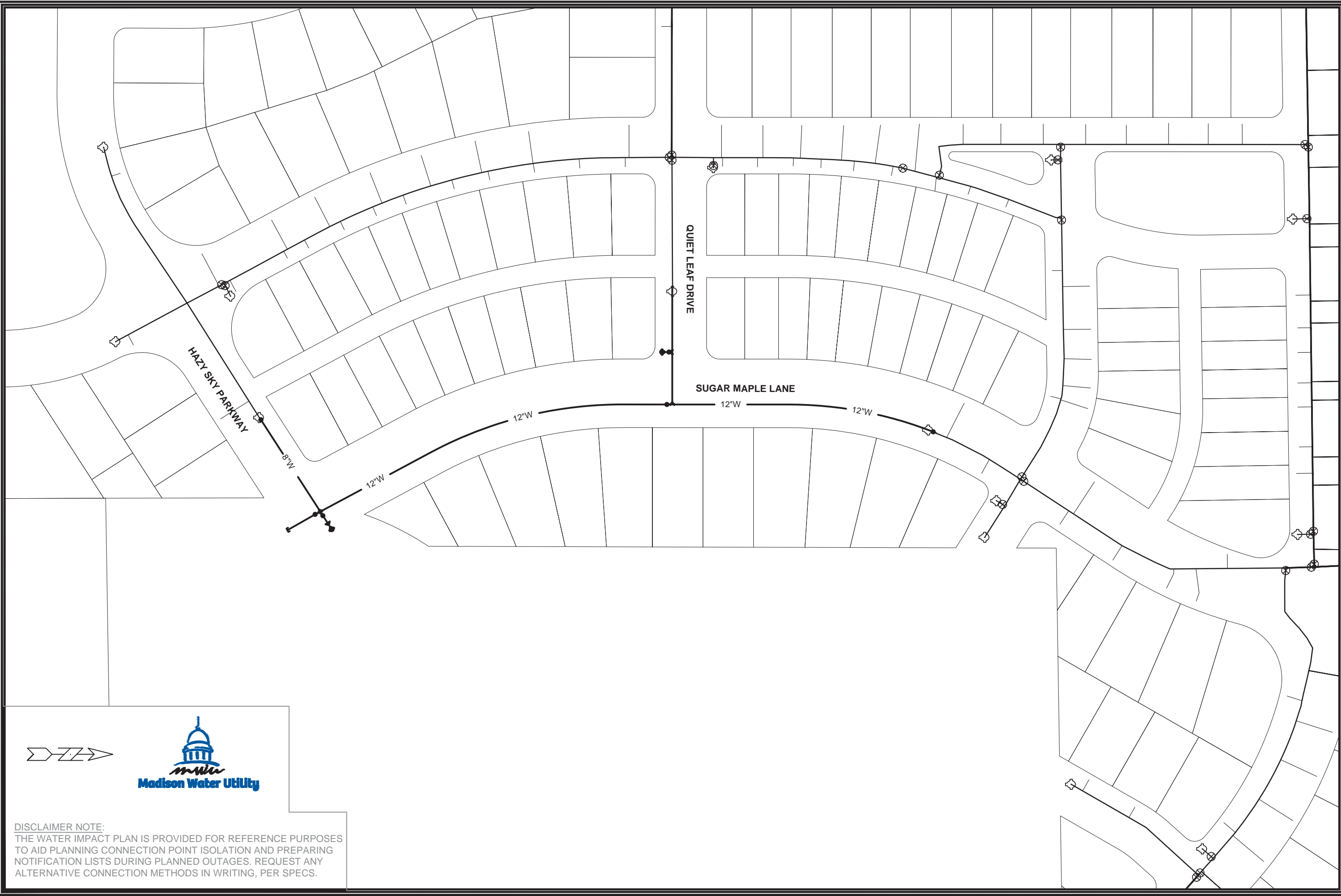
QUIET LEAF DRIVE
 BIRCHWOOD POINT SOUTH: PHASE 3
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12887
 W-4



DISCLAIMER NOTE:
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES
 TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING
 NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY
 ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.



BIRCHWOOD POINT SOUTH: PHASE 3

WATER IMPACT PLAN

CITY OF MADISON, WISCONSIN

CONTRACT NO: 8550

SCALE: 1" = 100'

DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 7/28/2020



12887
 W-5

CONSTRUCTION NOTES:

- | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----|--|------|---|------|--|------|--|------|-------------------------------------|------|---------------------------------------|------|---|------|------------------------|------|---|-------|-------------------------------------|-------|---|--------|---|
| <ol style="list-style-type: none"> 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 CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK. | <table border="0"> <tr><td>WN1</td><td>REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</td></tr> <tr><td>WN-2</td><td>EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</td></tr> <tr><td>WN-3</td><td>EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</td></tr> <tr><td>WN-4</td><td>DISCONNECT FROM THE EXISTING WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</td></tr> <tr><td>WN-5</td><td>RELOCATE THE EXISTING FIRE HYDRANT.</td></tr> <tr><td>WN-6</td><td>ABANDON WATER VALVE ACCESS STRUCTURE.</td></tr> <tr><td>WN-7</td><td>FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</td></tr> <tr><td>WN-8</td><td>ABANDON THE VALVE BOX.</td></tr> <tr><td>WN-9</td><td>FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</td></tr> <tr><td>WN-10</td><td>REMOVE AND SALVAGE EXISTING HYDRANT</td></tr> <tr><td>WN-11</td><td>REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</td></tr> <tr><td>WN-20+</td><td>SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</td></tr> </table> | WN1 | REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE. | WN-2 | EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN. | WN-3 | EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF. | WN-4 | DISCONNECT FROM THE EXISTING WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN. | WN-5 | RELOCATE THE EXISTING FIRE HYDRANT. | WN-6 | ABANDON WATER VALVE ACCESS STRUCTURE. | WN-7 | FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE. | WN-8 | ABANDON THE VALVE BOX. | WN-9 | FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL. | WN-10 | REMOVE AND SALVAGE EXISTING HYDRANT | WN-11 | REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE | WN-20+ | SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION. |
| WN1 | REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-2 | EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-3 | EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-4 | DISCONNECT FROM THE EXISTING WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-5 | RELOCATE THE EXISTING FIRE HYDRANT. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-6 | ABANDON WATER VALVE ACCESS STRUCTURE. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-7 | FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-8 | ABANDON THE VALVE BOX. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-9 | FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL. | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-10 | REMOVE AND SALVAGE EXISTING HYDRANT | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-11 | REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE | | | | | | | | | | | | | | | | | | | | | | | | |
| WN-20+ | SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION. | | | | | | | | | | | | | | | | | | | | | | | | |



SCALE: N/A
 DESIGNED BY: AJC
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 7/28/20

WATER UTILITY ULO SCHEDULE
 (VACANT)

ESTIMATE OF NEW MATERIALS*

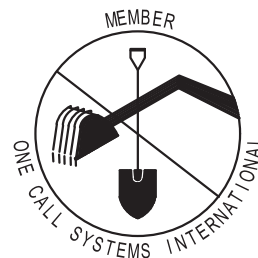
DESCRIPTION	QUANTITY	UNIT
6-INCH WATER MAIN	20	LNFT
8-INCH WATER MAIN	290	LNFT
12-INCH WATER MAIN	820	LNFT
6-INCH WATER VALVE	1	EACH
8-INCH WATER VALVE	2	EACH
12-INCH WATER VALVE	3	EACH
1-INCH SERVICE LATERALS	27	EACH
STYROFOAM INSULATION (2-IN)	120	LNFT
12-IN MJ CAP	1	EACH
12X8-IN CROSS	1	EACH
8X6-IN REDUCER	1	EACH
8X6-IN TEE	1	EACH
12X8-IN TEE	1	EACH

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.

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.



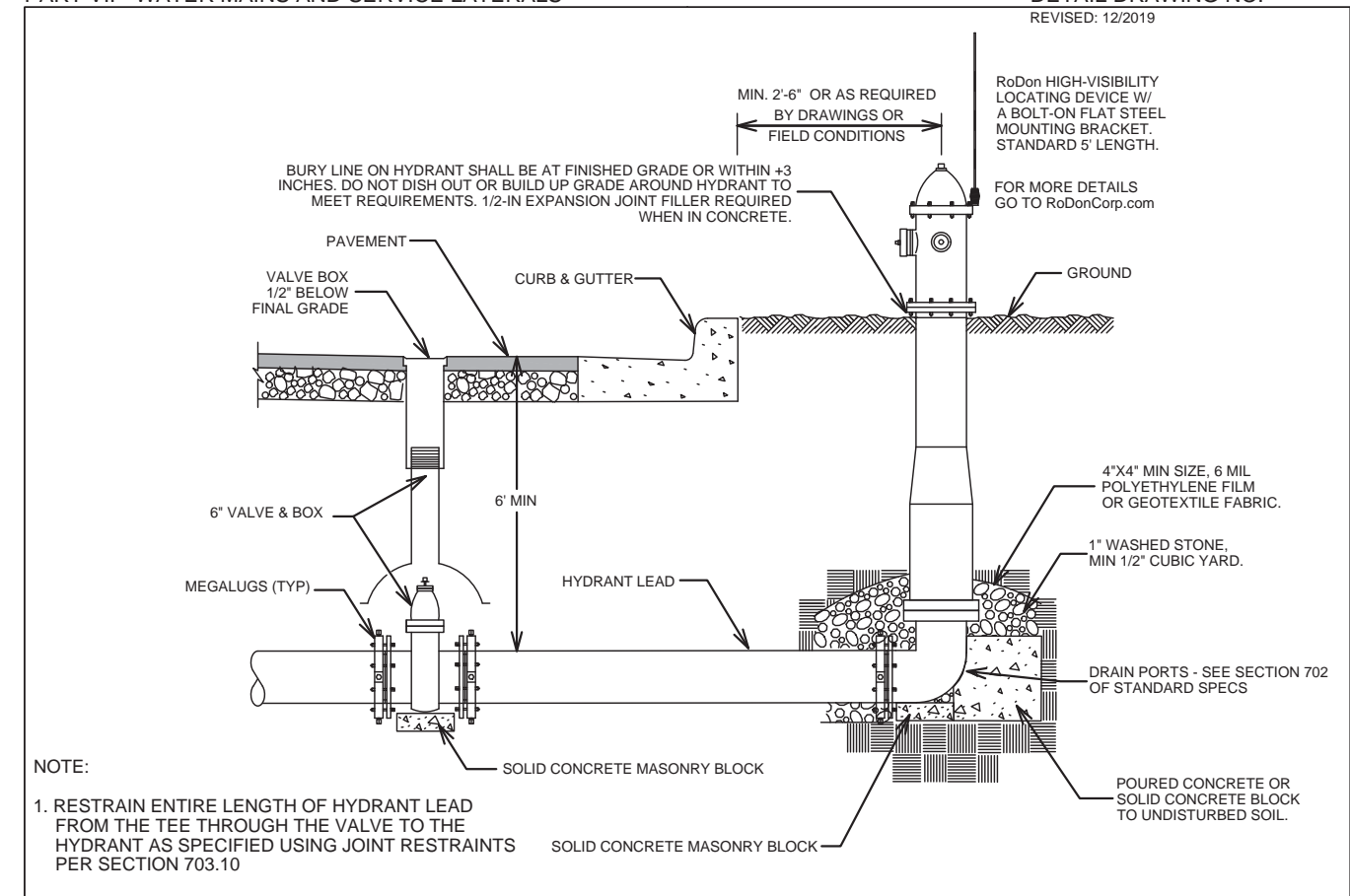
ESTIMATE OF REUSED AND SALVAGED MATERIALS*

DESCRIPTION	QUANTITY	TYPE
HYDRANT	2	RELOCATE
8X6 REDUCER	1	RELOCATE
HYDRANT	1	SALVAGE
8X6 REDUCER	2	SALVAGE

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

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04
 REVISED: 12/2019



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

CITY OF MADISON
 WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

BIRCHWOOD POINT SOUTH: PHASE 3

WATER ESTIMATE OF MATERIALS

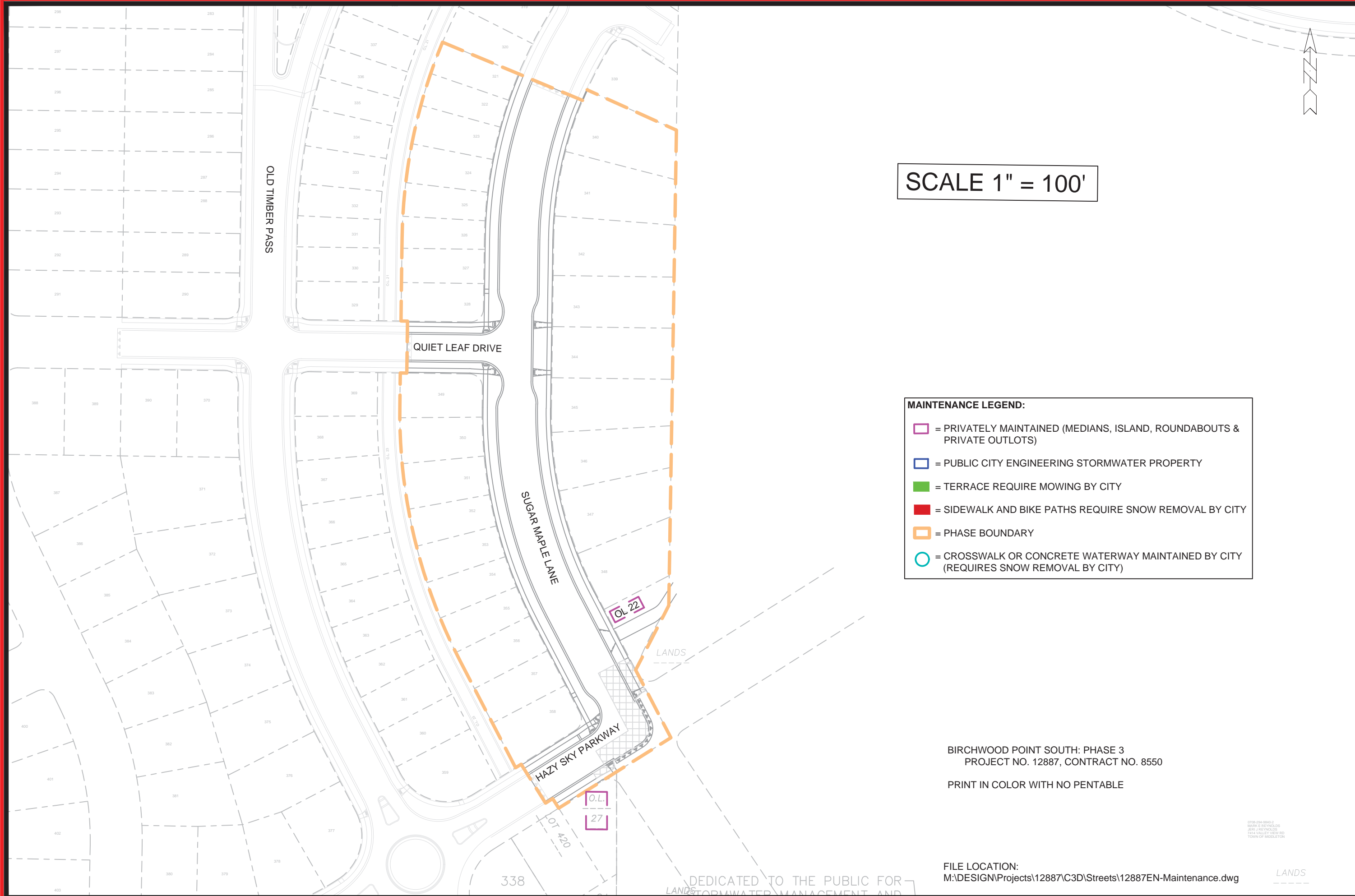
CITY OF MADISON, WISCONSIN



12887

W-6

CONTRACT NO: 8550



SCALE 1" = 100'

MAINTENANCE LEGEND:

- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)
- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = PHASE BOUNDARY
- = CROSSWALK OR CONCRETE WATERWAY MAINTAINED BY CITY (REQUIRES SNOW REMOVAL BY CITY)

BIRCHWOOD POINT SOUTH: PHASE 3
PROJECT NO. 12887, CONTRACT NO. 8550

PRINT IN COLOR WITH NO PENTABLE

FILE LOCATION:
M:\DESIGN\Projects\12887\C3D\Streets\12887EN-Maintenance.dwg

0709-294-0040-2
MARK E. REYNOLDS
JOSH J. REYNOLDS
TERRA VALLEY VIEW RD.
TOWN OF WISCONSIN

LANDS

MARK	REVISION	DATE	BY

12887
MADISON, WI
CONTRACT NO.: 8550

MAINTENANCE MAP
BIRCHWOOD POINT SOUTH: PHASE 3
M:\DESIGN\Projects\12887\C3D\Streets\12887EN-Maintenance.dwg



12887
MN-1

DEDICATED TO THE PUBLIC FOR
STORMWATER MANAGEMENT AND