

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

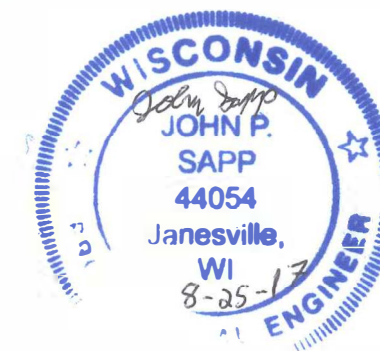
JUNE 6, 2017

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 9/20/17
City Engineer Date

STREET GRADES DESIGNED BY:



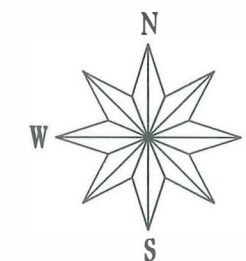
INDEX OF SHEETS

SHEET NO.	TITLE
1	
DI-D4	DETAILS
P1-P5	STREET PLAN & PROFILES
U1-U5	SEWER PLAN & PROFILES
U6	SANITARY SEWER SCHEDULE
U7	SEWER SCHEDULE
W1-W5	WATER PLAN & PROFILES
W6	WATER ESTIMATE OF MATERIALS

BIRCHWOOD POINT PHASE 10

CITY PROJECT NO. 11656

CITY CONTRACT NO. 7953

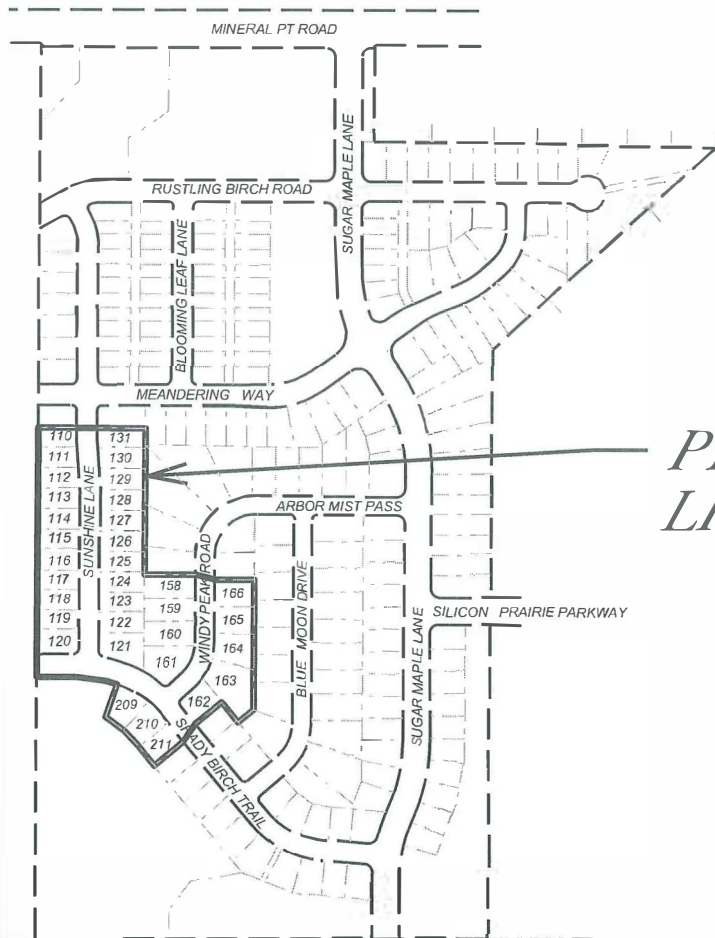


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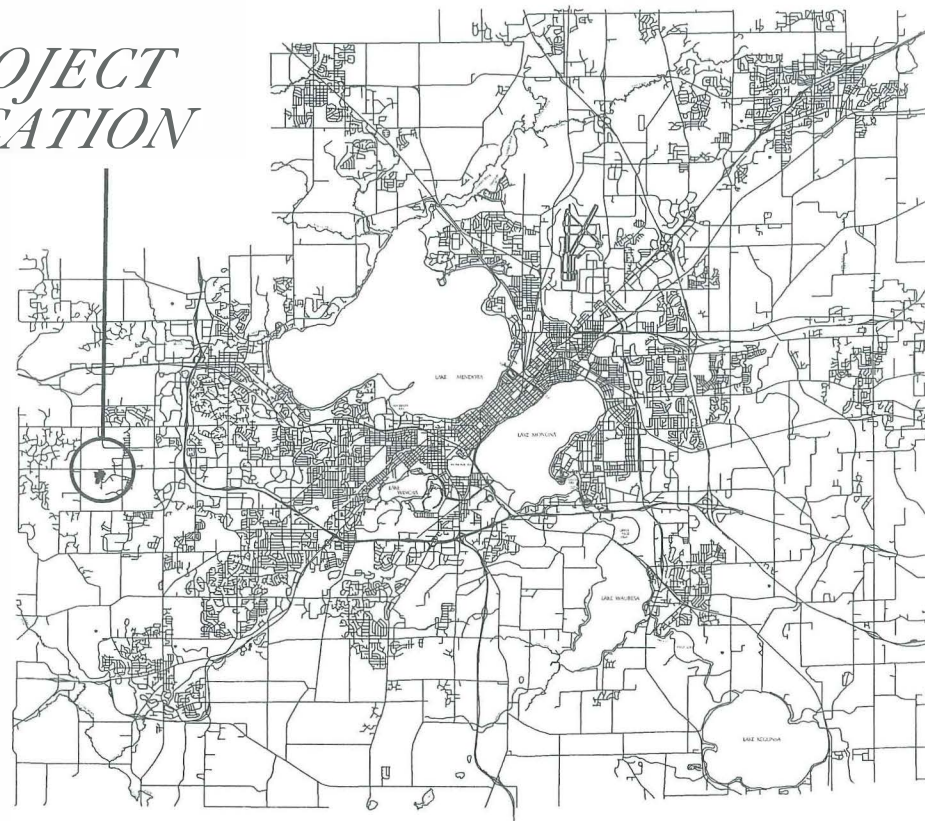
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



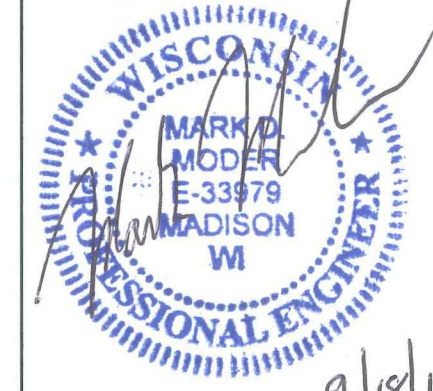
PROJECT LOCATION



STREET GEOMETRY DESIGNED BY:



SANITARY SEWER DESIGNED BY:



WATER DESIGNED BY:



STORM SEWER DESIGNED BY:



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 WITHIN THE SHADY BIRCH TRAIL, SUNSHINE LANE, AND WINDY PEAK ROAD RIGHT-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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

ALL DITCHES SHALL DRAIN WITH 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.

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 

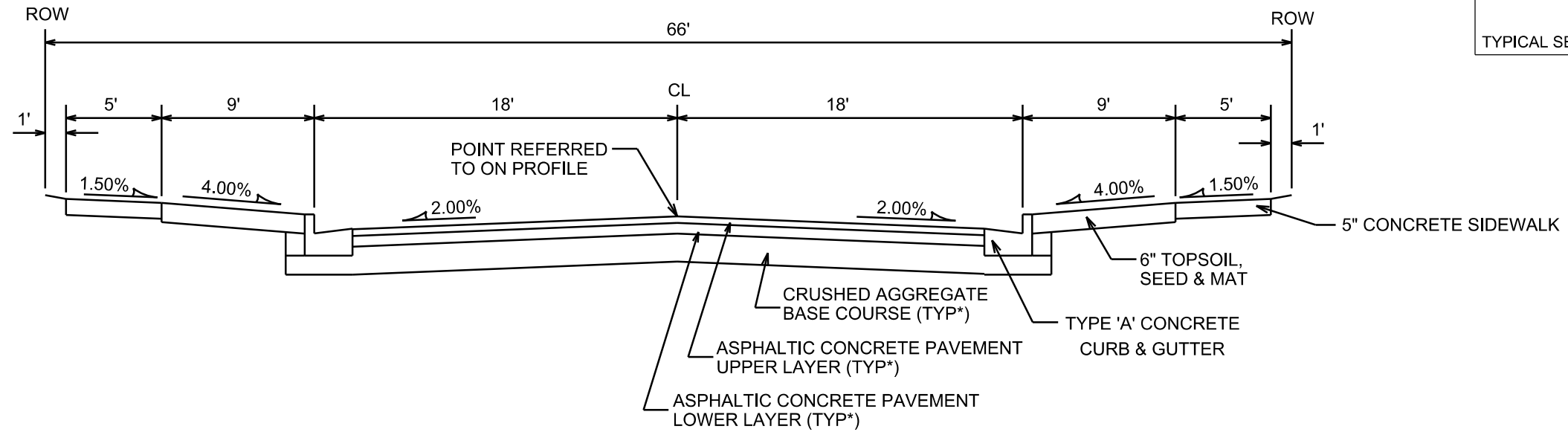
COMBUSTIBLE FLUIDS 

PLOT SCALE: _____

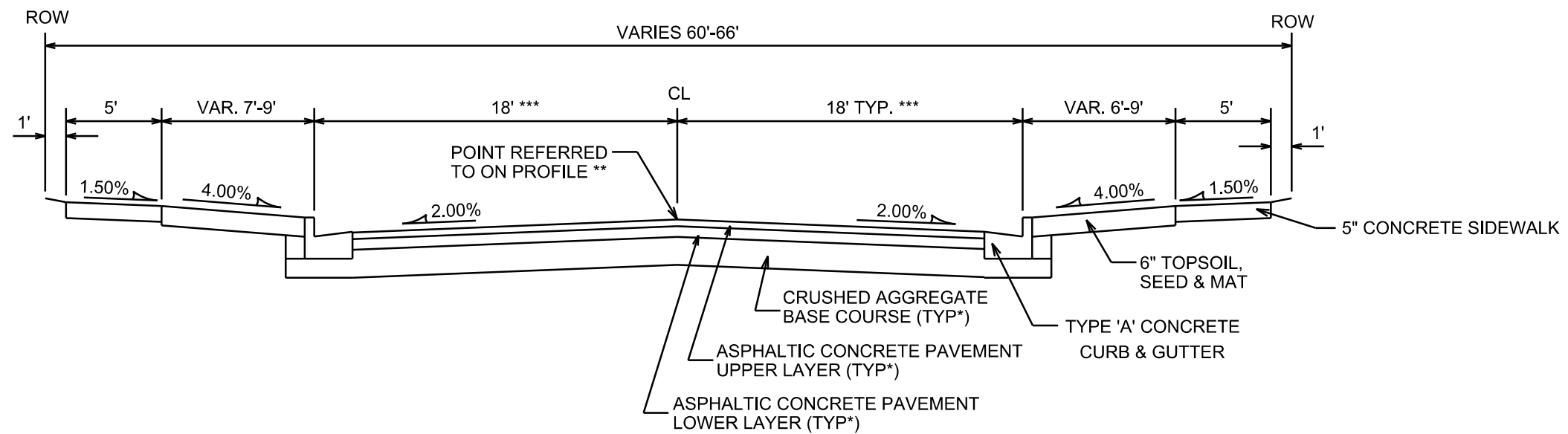
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION
SHADY BIRCH TRAIL (STA 53+25 TO STA 54+29)



TYPICAL SECTION
SHADY BIRCH TRAIL (STA 54+29 TO STA 57+30)

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"

NOTES:

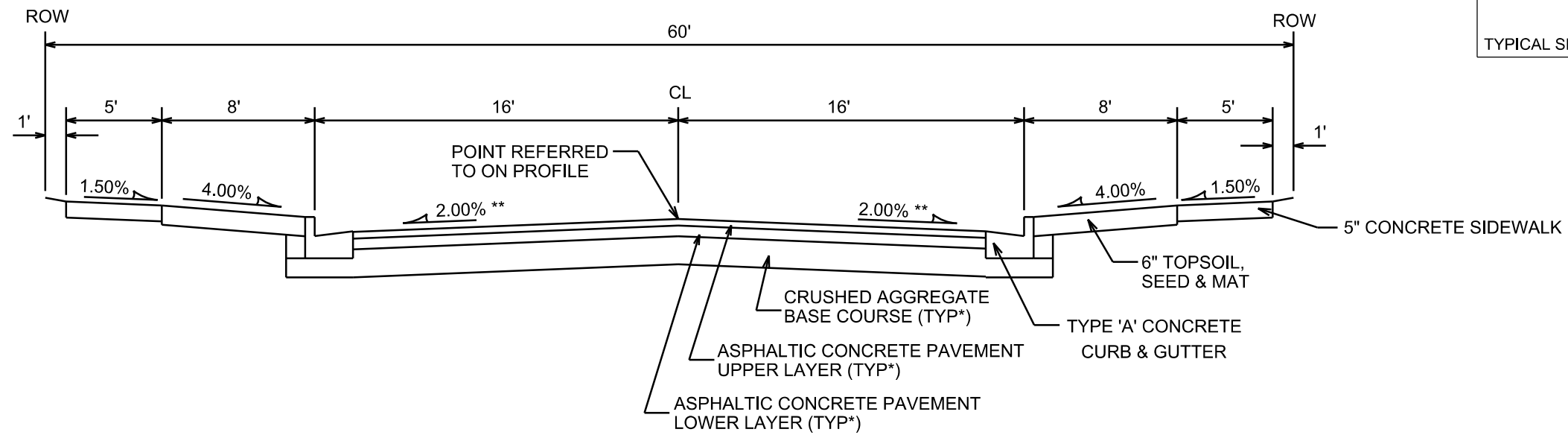
- * SHADY BIRCH TRAIL TO BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- ** POINT REFERRED TO ON PROFILE IS THE EXTENDED CENTERLINE FOR LOCATIONS WITH ISLANDS AS SHOWN ON THE PLANS
- *** WIDTH VARIES AT INTERSECTIONS. SEE PLANS FOR ISLAND LAYOUTS

PLOT SCALE: _____

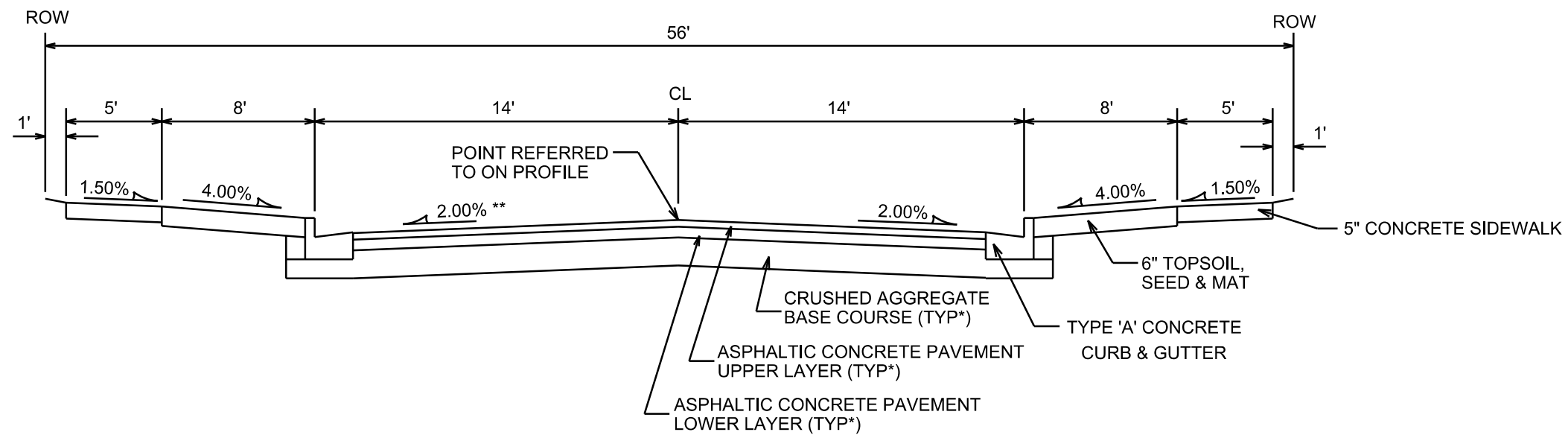
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION
SHADY BIRCH TRAIL (STA 57+30 TO STA 58+07)
SUNSHINE LANE



TYPICAL SECTION
WINDY PEAK ROAD

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"

NOTES:

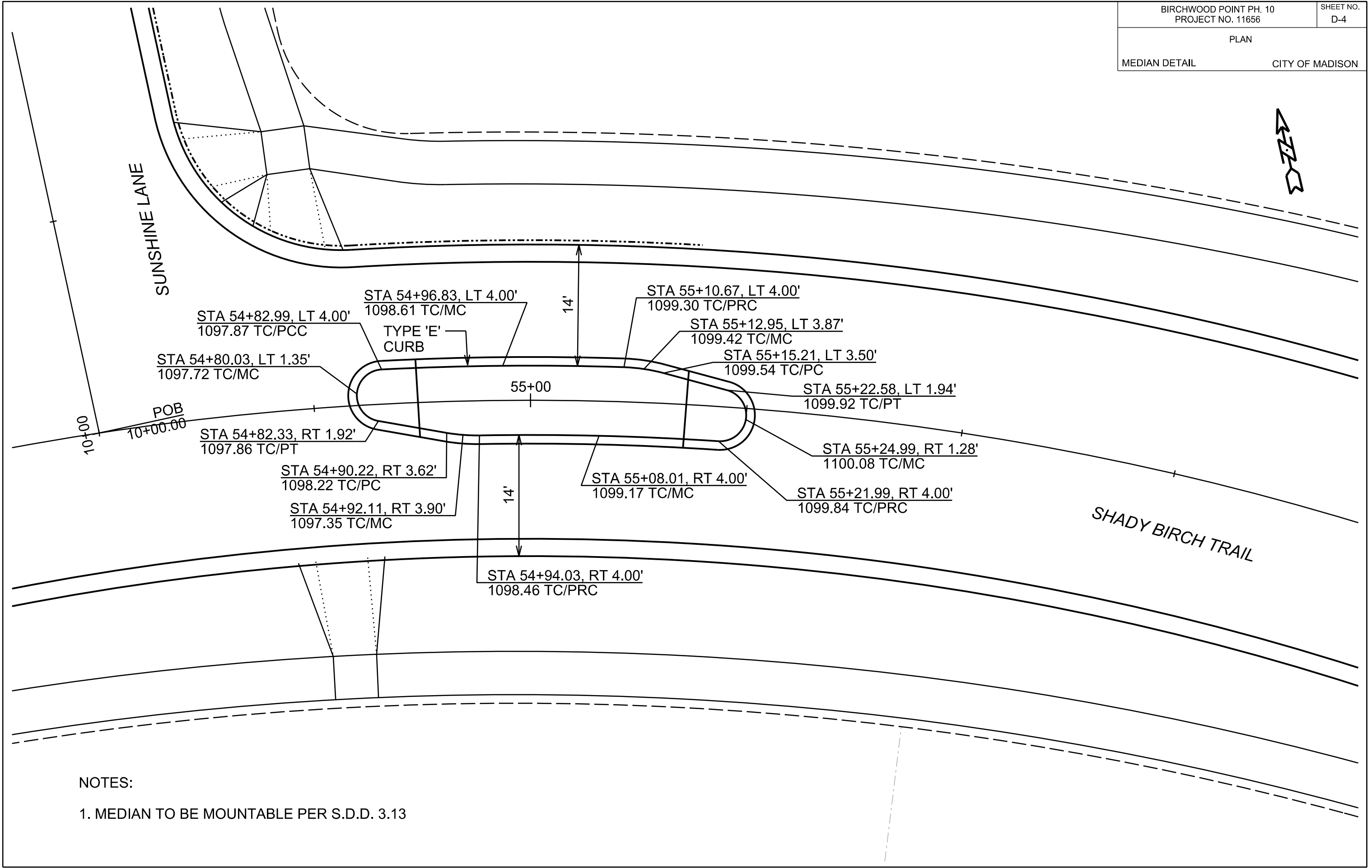
- * SHADY BIRCH TRAIL, SUNSHINE LANE, AND WINDY PEAK ROAD TO BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- ** SEE PLANS FOR VARIATIONS IN ROADWAY CROSS SLOPE ON SUNSHINE LANE AND WINDY PEAK ROAD

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



NOTES:

- 1. MEDIAN TO BE MOUNTABLE PER S.D.D. 3.13

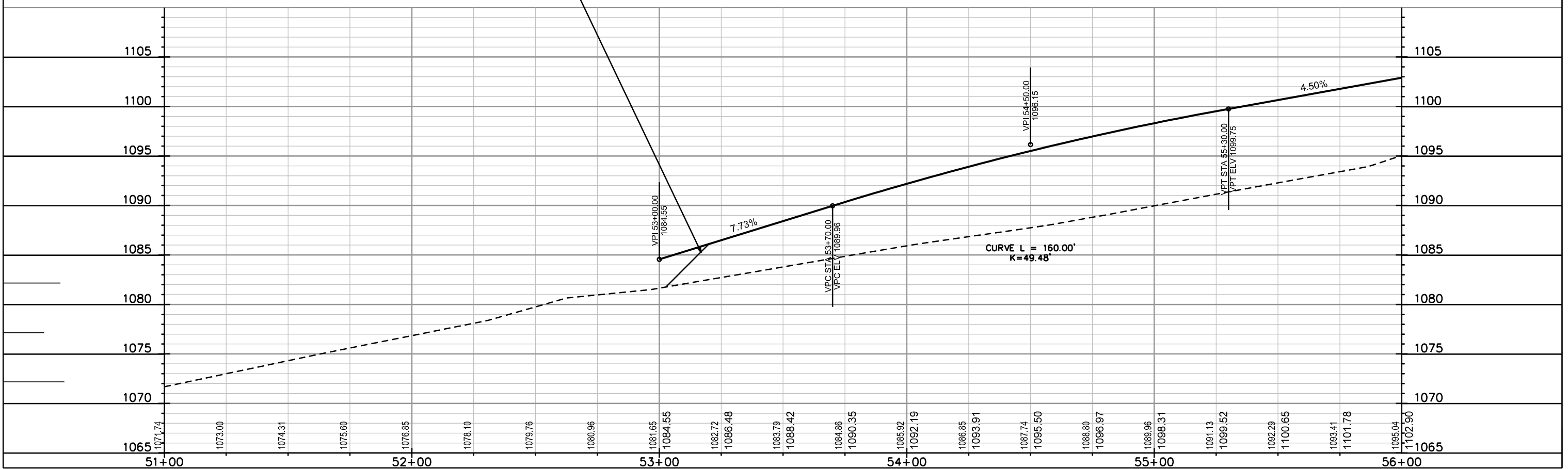
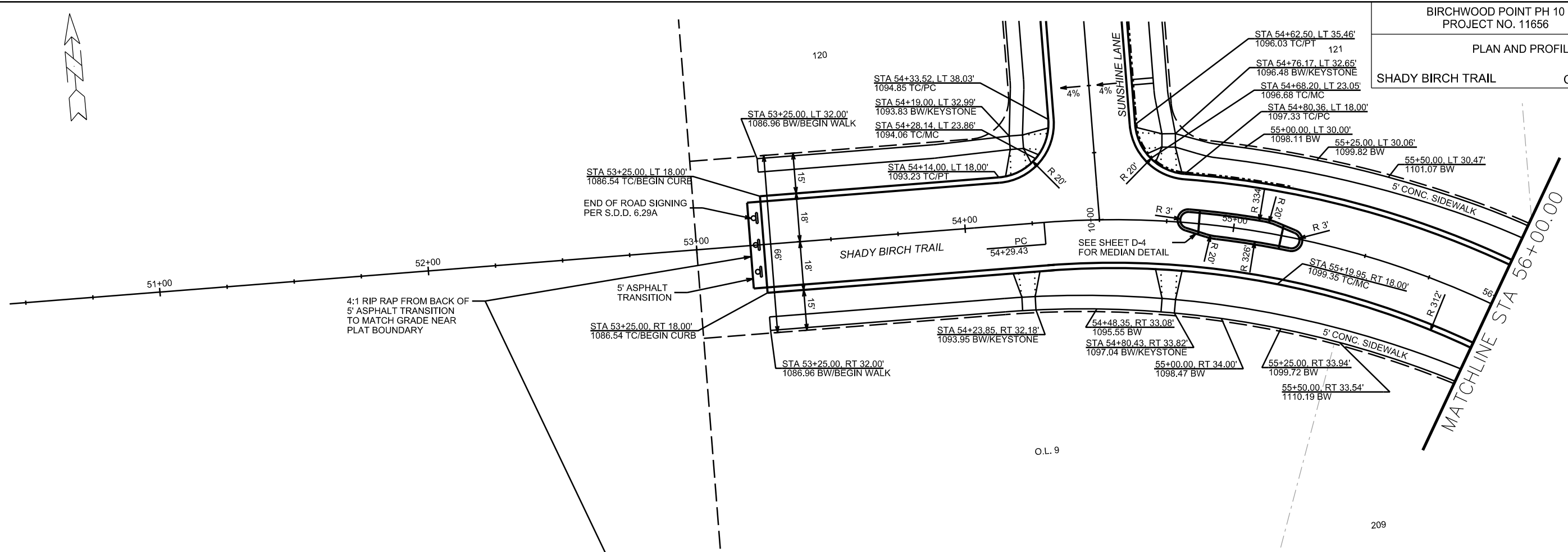
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
SHADY BIRCH TRAIL CITY OF MADISON



PLOT SCALE: _____

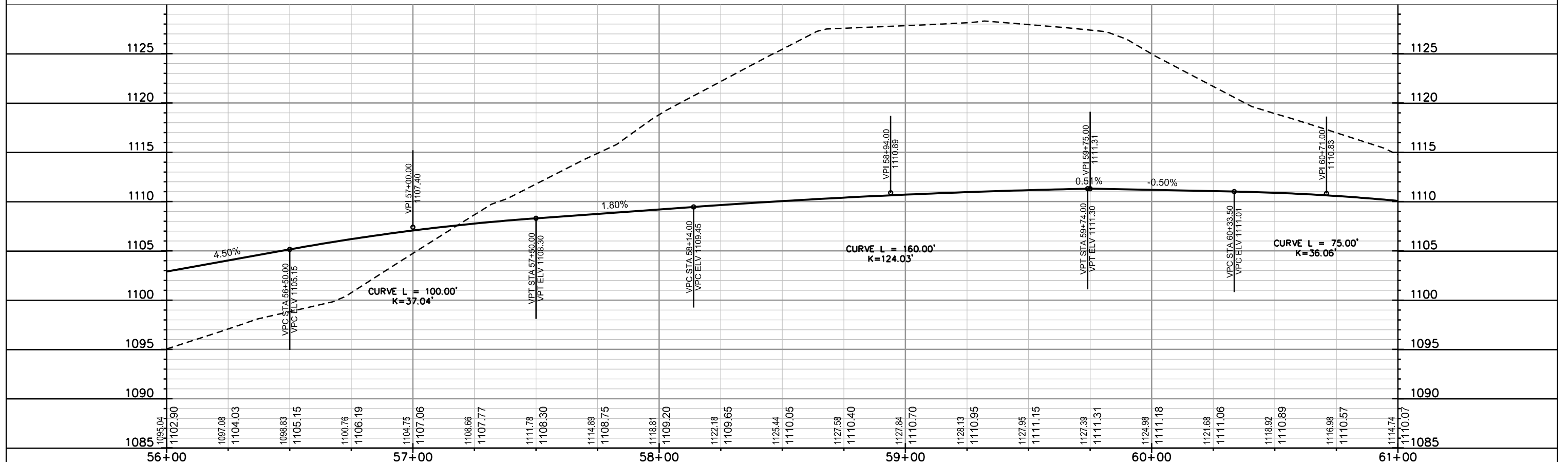
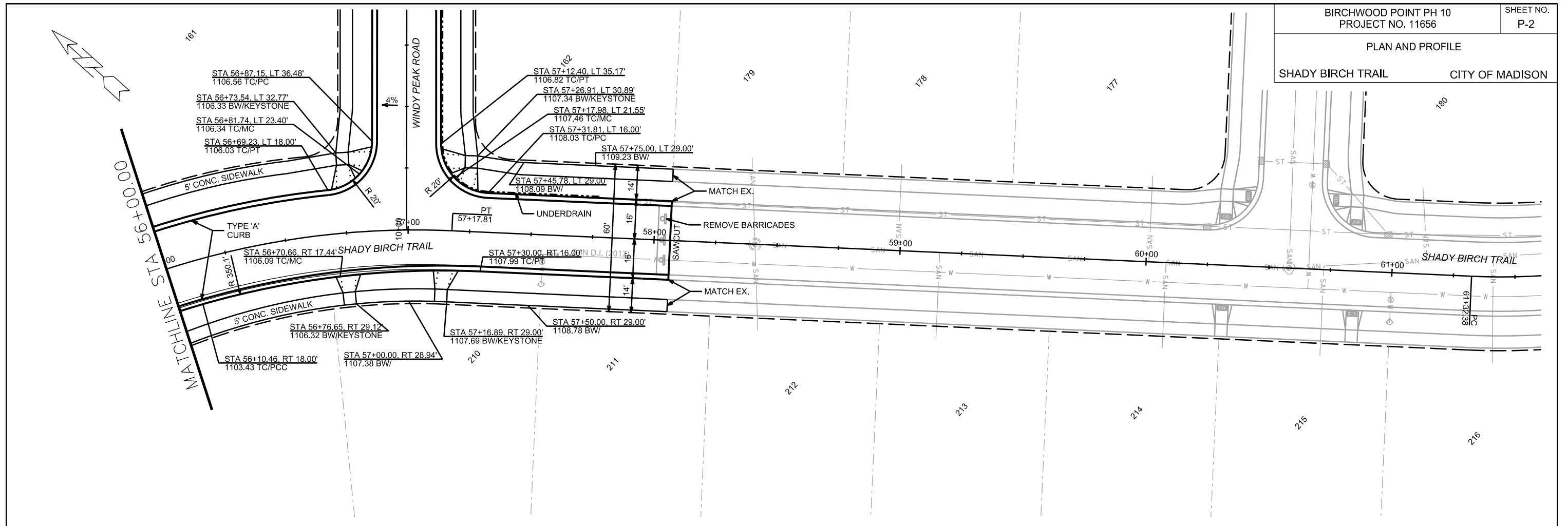
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

SHADY BIRCH TRAIL CITY OF MADISON

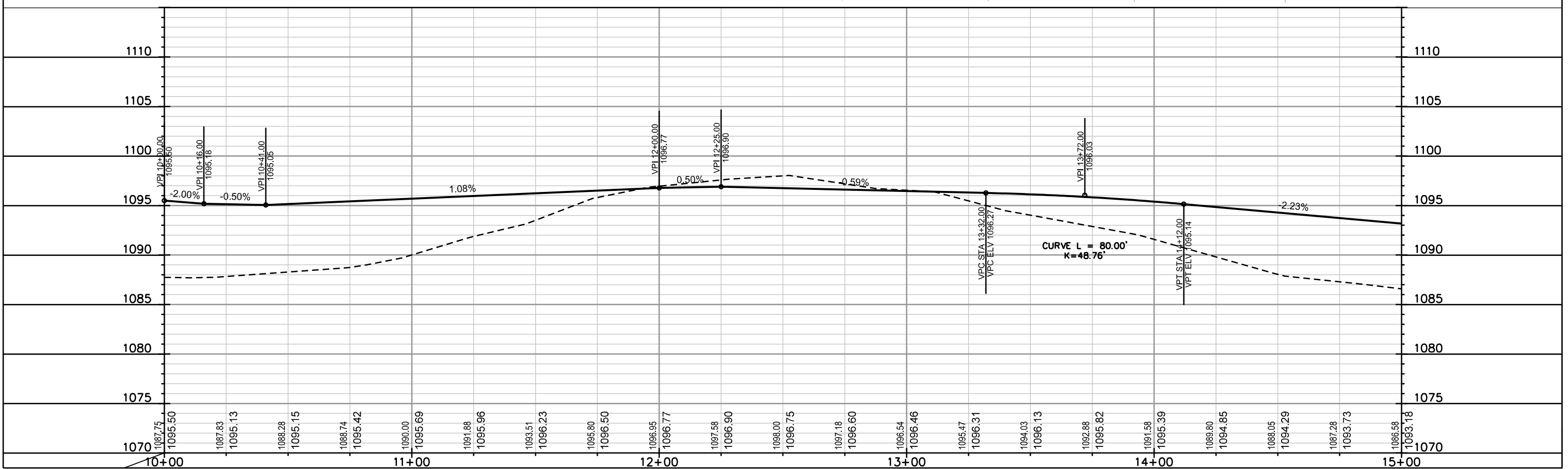
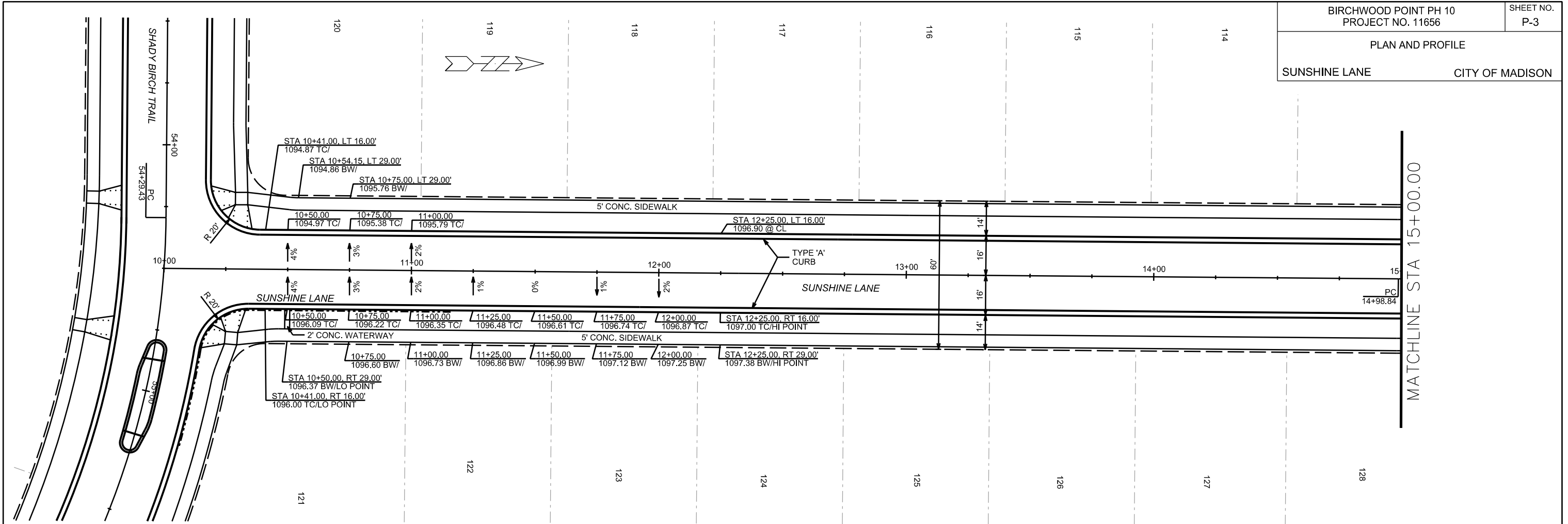


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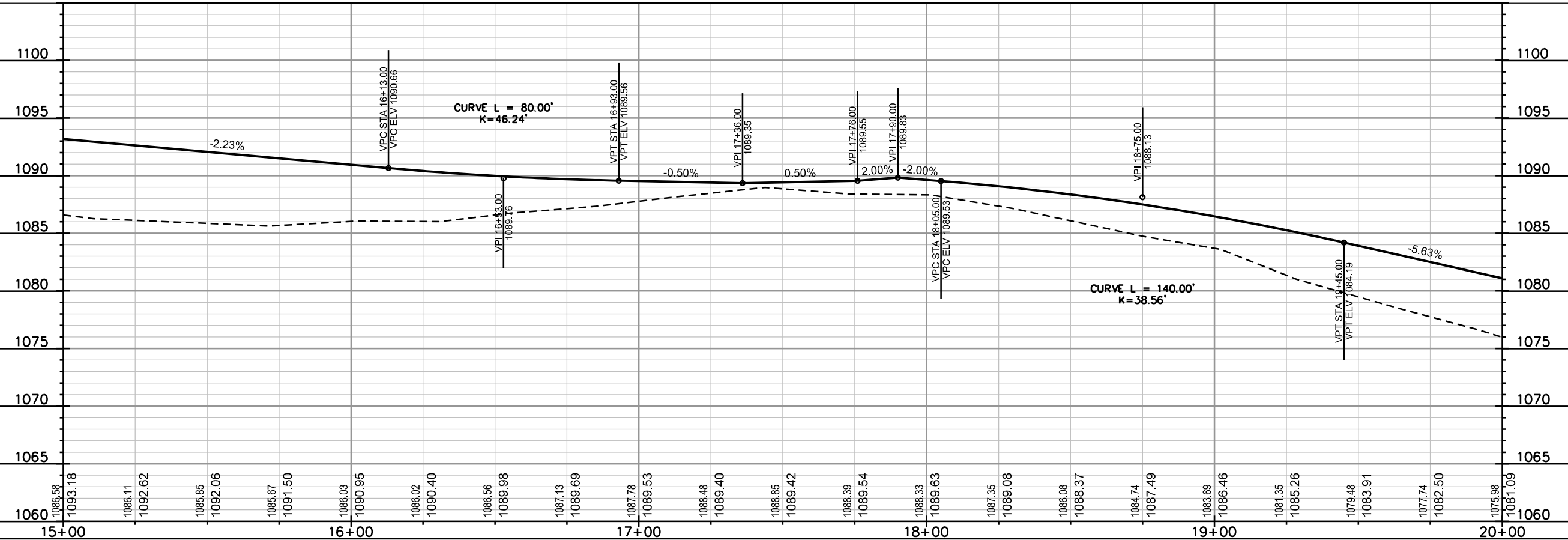
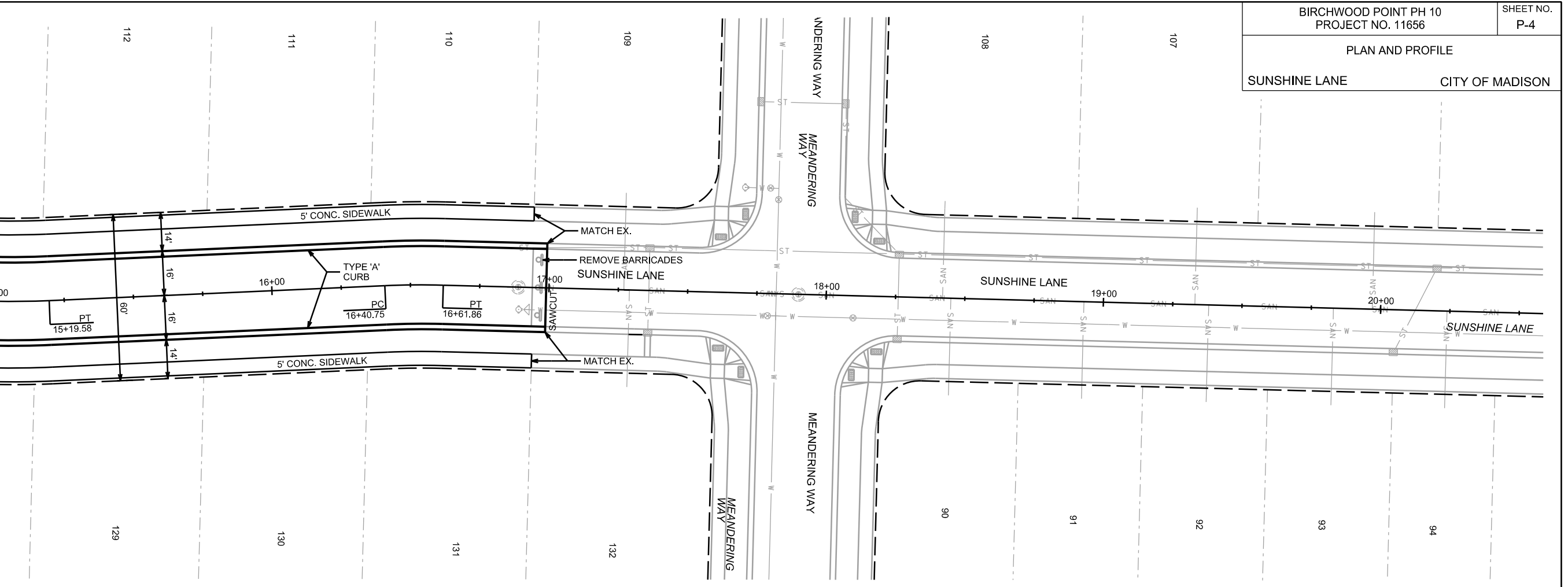
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 15+00.00

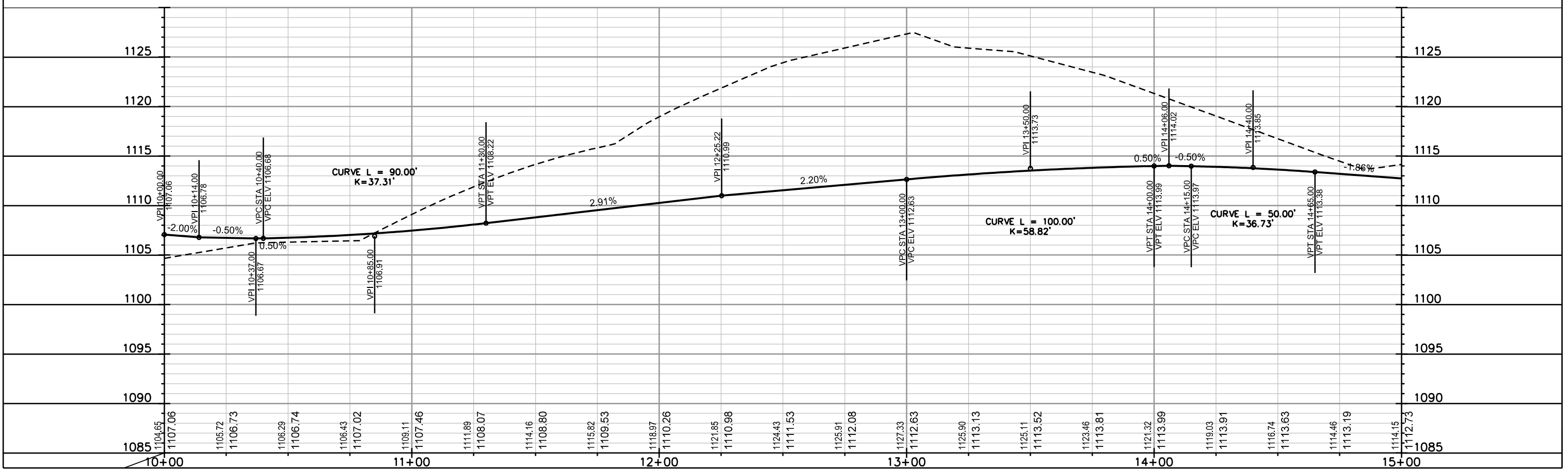
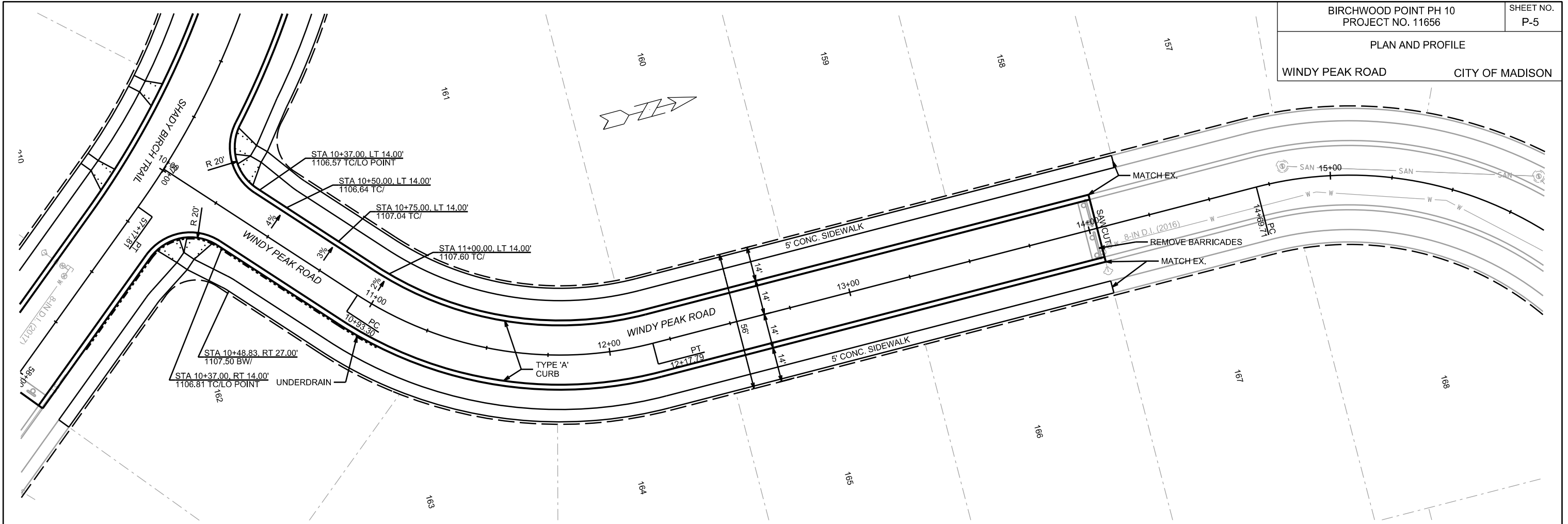


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

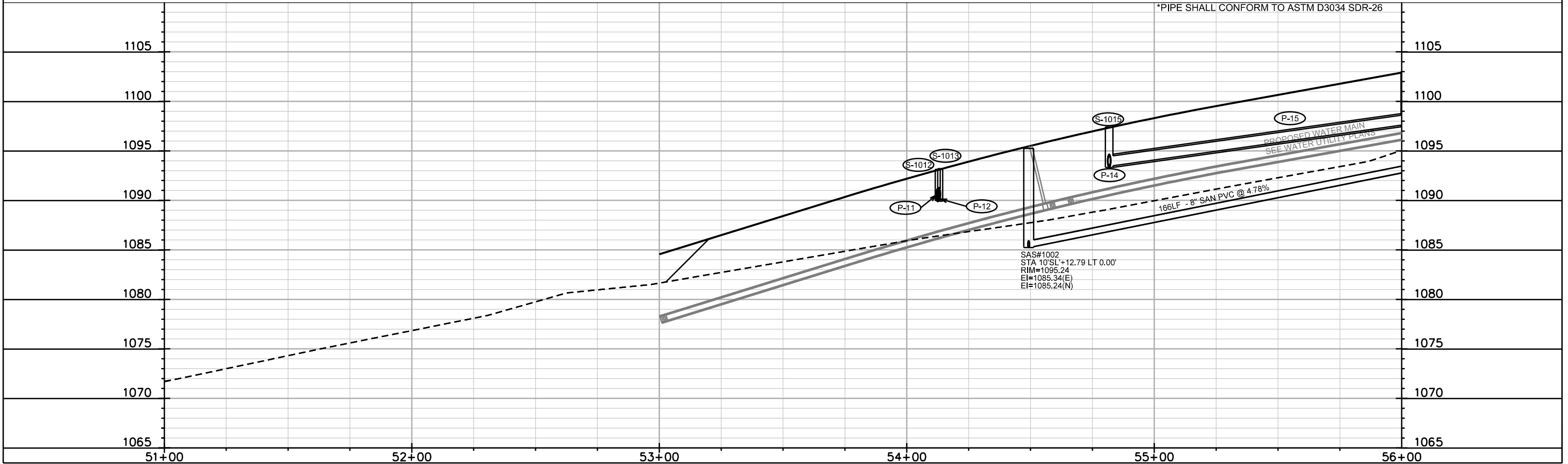
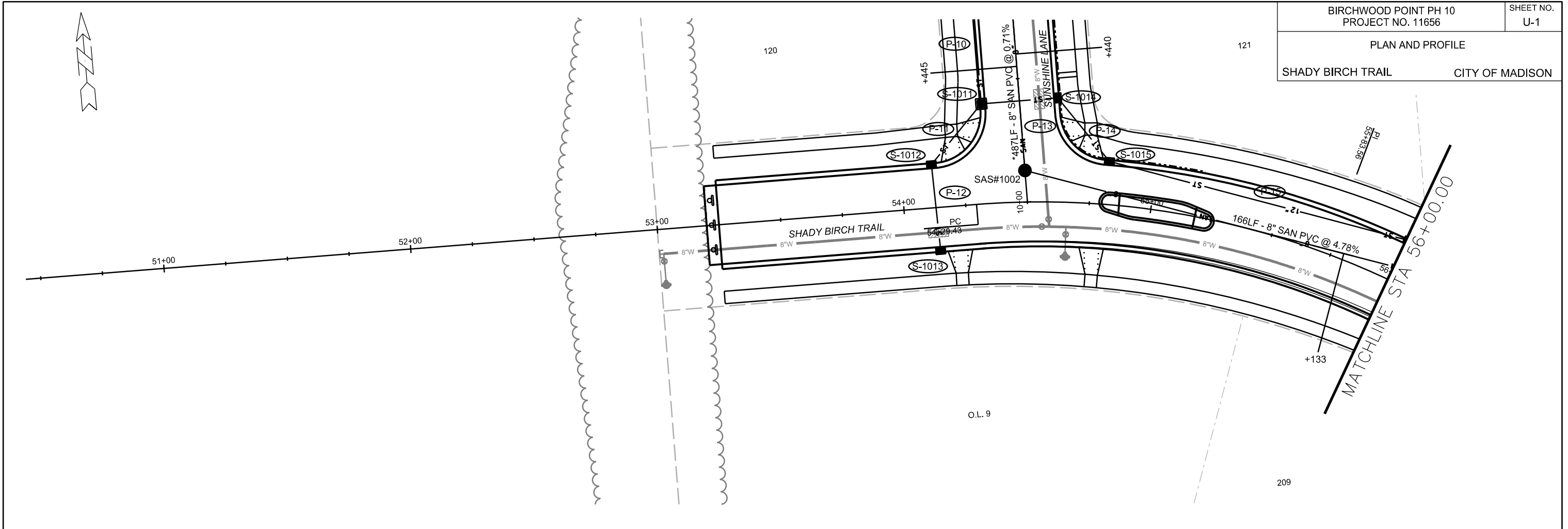


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PLOT SCALE: _____

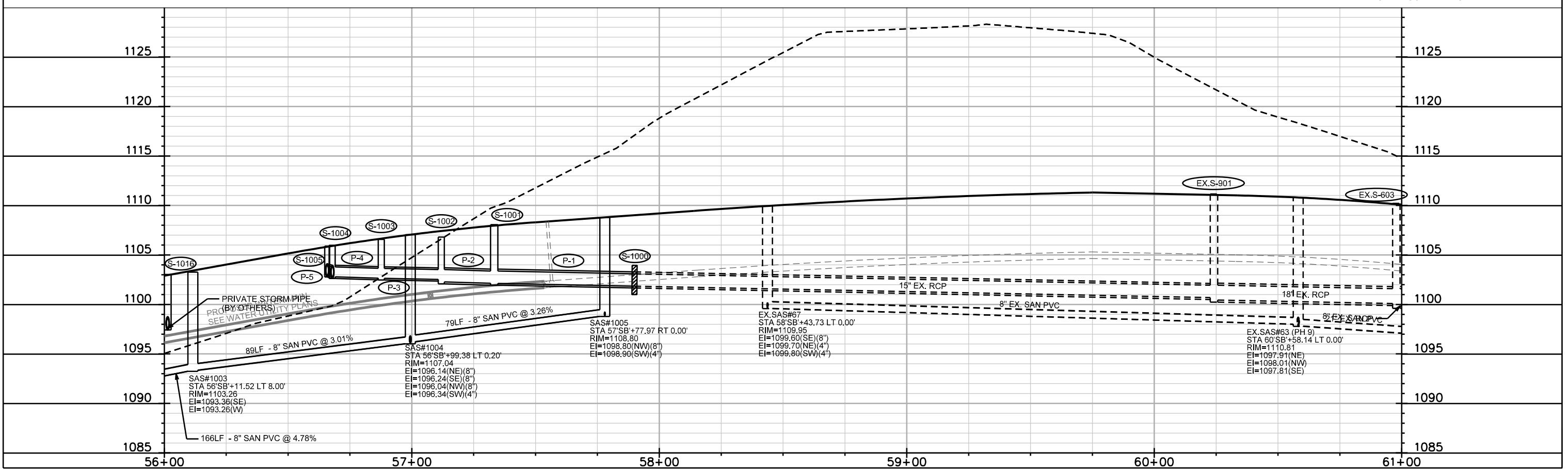
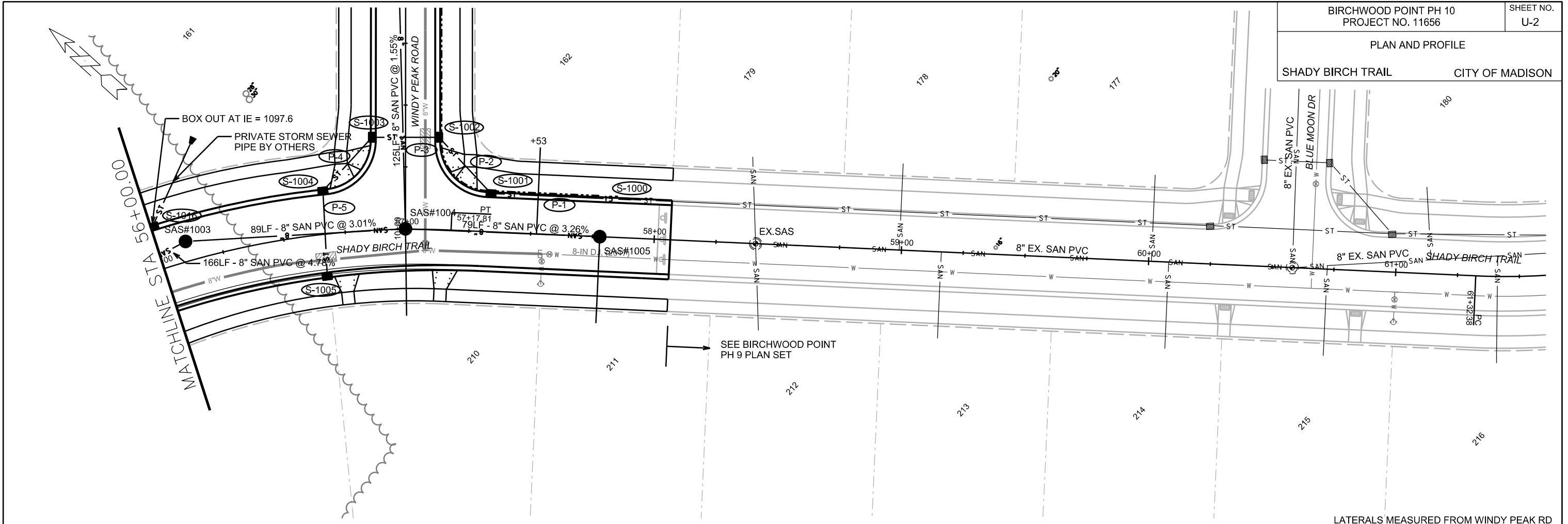
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

SHADY BIRCH TRAIL CITY OF MADISON



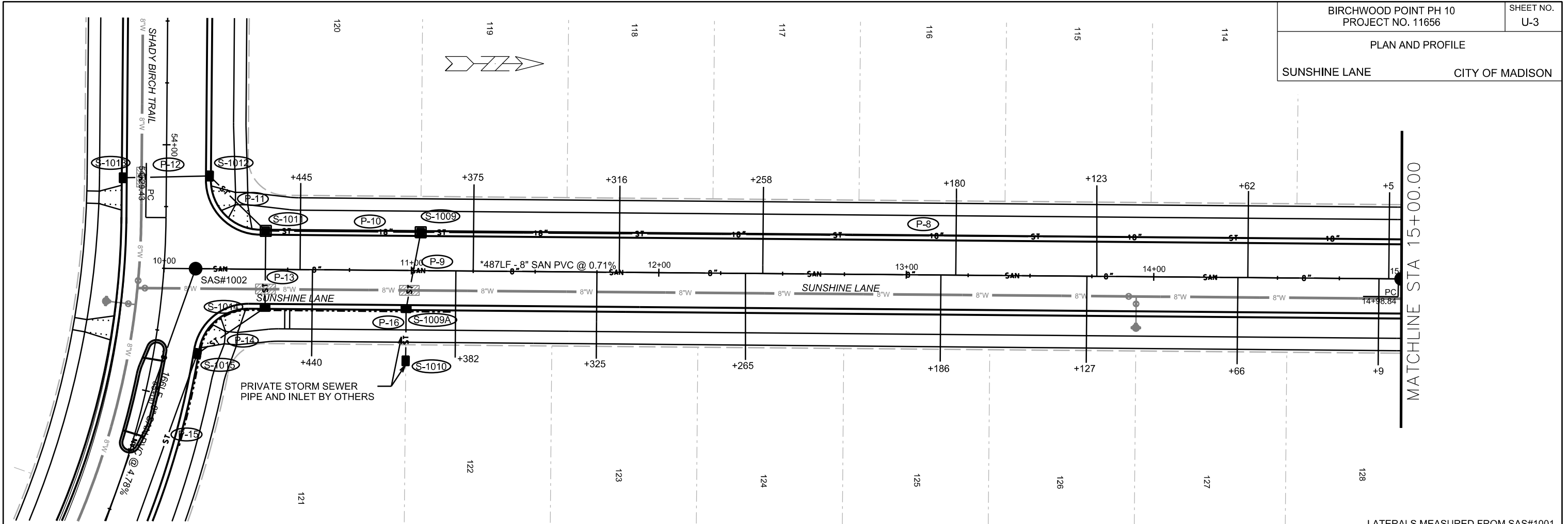
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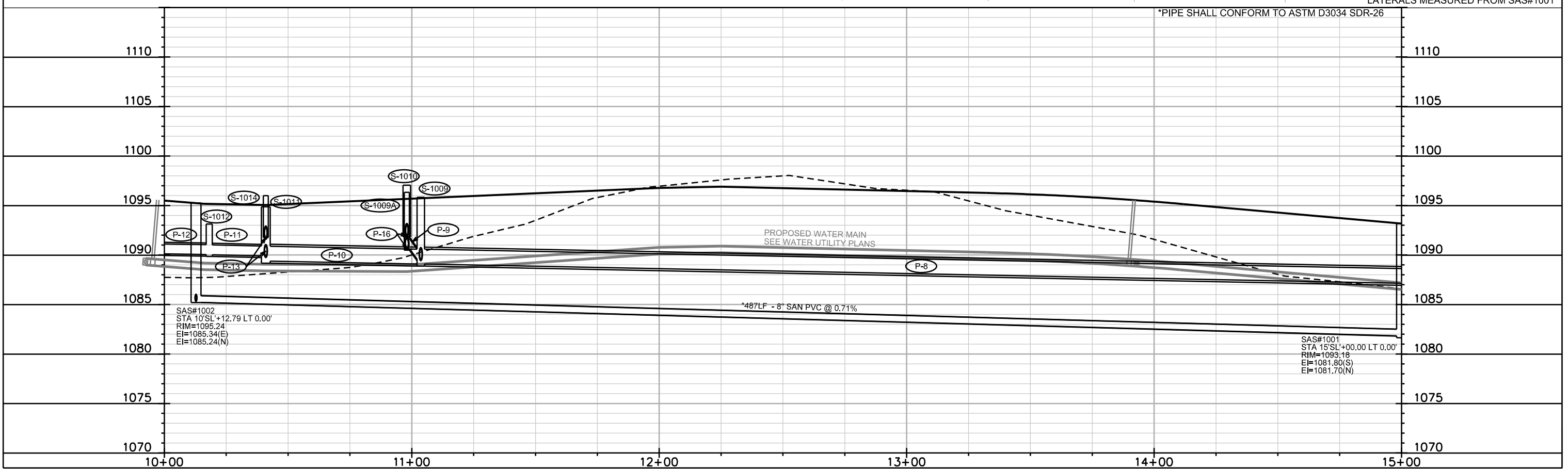
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
SUNSHINE LANE CITY OF MADISON



LATERALS MEASURED FROM SAS#1001

*PIPE SHALL CONFORM TO ASTM D3034 SDR-26



SAS#1002
STA 10+SL+12.79 LT 0.00
RIM=1095.24
EI=1085.34(E)
EI=1085.24(N)

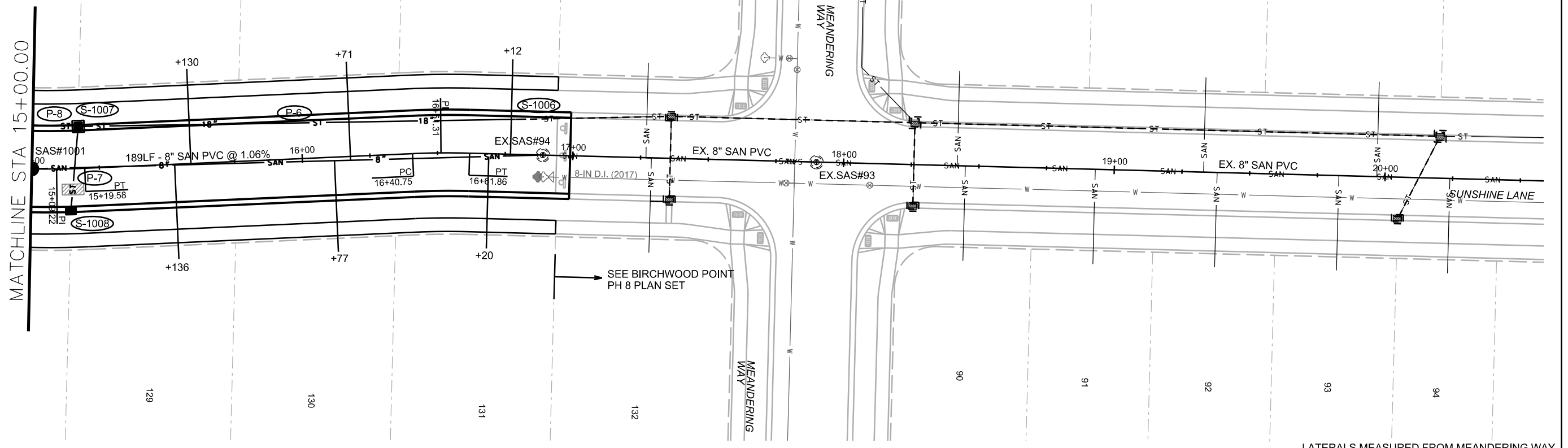
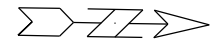
SAS#1001
STA 15+SL+00.00 LT 0.00
RIM=1093.18
EI=1081.80(S)
EI=1081.70(N)

PLOT SCALE:

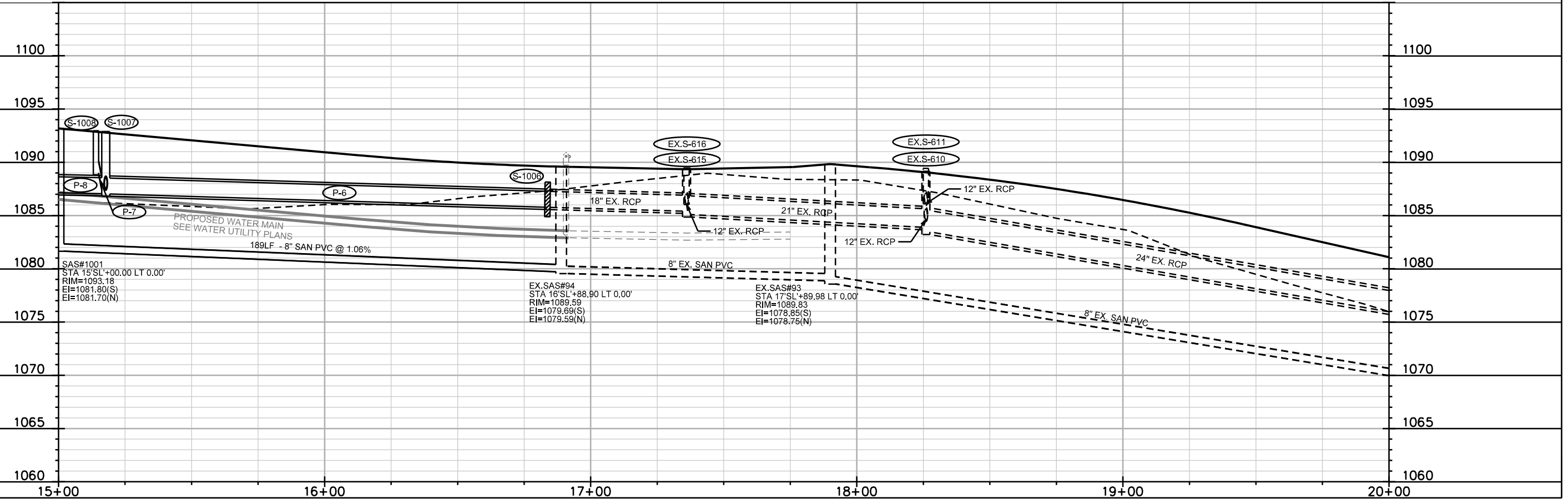
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



LATERALS MEASURED FROM MEANDERING WAY

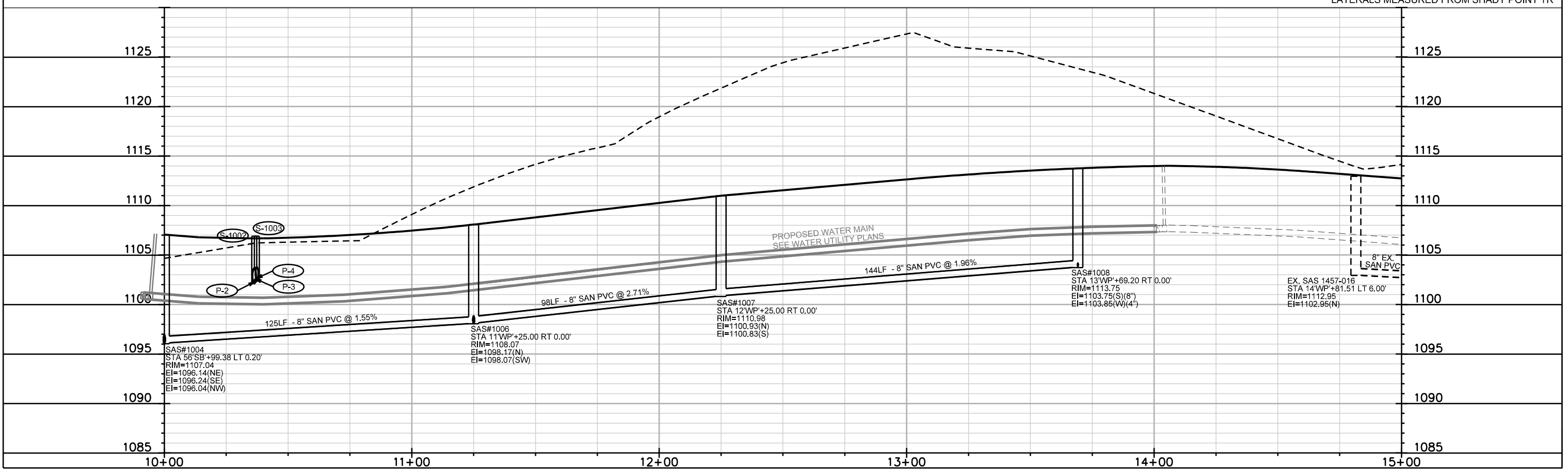
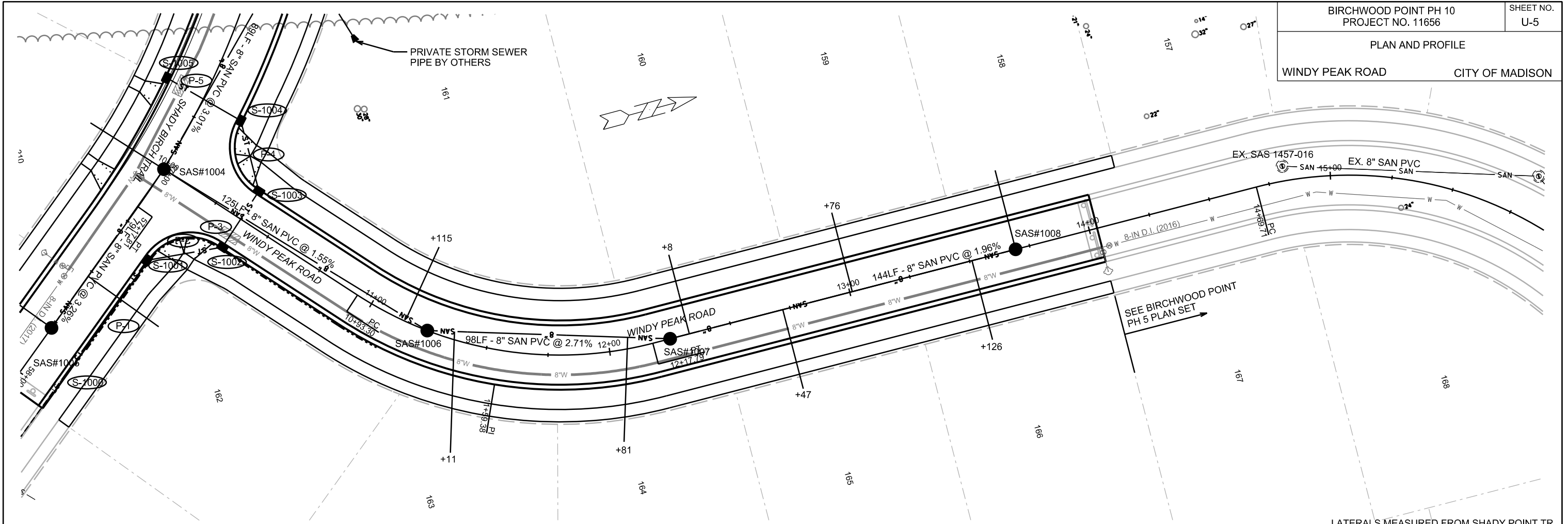


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PLOT SCALE: _____
 PLOT NAME: _____
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 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SCHEDULE

ALIGNMENT CODES:

'SL'- SUNSHINE LANE
'SB'- SHADY BIRCH TR
'WP'- WINDY PEAK ROAD

BIRCHWOOD POINT PHASE 10
PROJECT NO. 11656

SHEET NO.
U-6

SANITARY SEWER SCHEDULE CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1001	15'SL'+00.00	LT-0.00	1093.18	1081.70	11.48	
SAS#1002	10'SL'+12.79	LT-0.00	1095.24	1085.24	10.00	
SAS#1003	56'SB'+11.52	LT-8.00	1103.26	1093.26	10.00	
SAS#1004	56'SB'+99.38	LT-0.20	1107.04	1096.04	11.00	
SAS#1005	57'SB'+77.97	RT-0.00	1108.80	1098.80	10.00	
SAS#1006	11'WP'+25.00	RT-0.00	1108.07	1098.07	10.00	
SAS#1007	12'WP'+25.00	RT-0.00	1110.98	1100.83	10.15	
SAS#1008	13'WP'+69.20	RT-0.00	1113.75	1103.75	10.00	

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX.SAS#94	SAS#1001	1079.69	1081.70	189	1.06%	8"	SDR-35	
SAS#1001	SAS#1002	1081.80	1085.24	487	0.71%	8"	SDR-26	
SAS#1002	SAS#1003	1085.34	1093.26	166	4.78%	8"	SDR-35	
SAS#1003	SAS#1004	1093.36	1096.04	89	3.01%	8"	SDR-35	
SAS#1004	SAS#1005	1096.24	1098.80	79	3.26%	8"	SDR-35	
SAS#1004	SAS#1006	1096.14	1098.07	125	1.55%	8"	SDR-35	
SAS#1006	SAS#1007	1098.17	1100.83	98	2.71%	8"	SDR-35	
SAS#1007	SAS#1008	1100.93	1103.75	144	1.96%	8"	SDR-35	

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'SB' - SHADY BIRCH TR
'WP' - WINDY PEAK RD
'SL' - SUNSHINE LN

BIRCHWOOD POINT PHASE 10

SHEET NO.

PROJECT NO. 11656

U-7

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1000	57'SB'+90.00	LT-15.50	CONCRETE COLLAR	-	1101.85	-	PER S.D.D. 5.4.5
S-1001	57'SB'+33.31	LT-15.50	H INLET	1108.06	1102.13	5.93	W/ R-3067-7004-V
S-1002	10'WP'+37.00	RT-13.50	H INLET	1106.81	1102.27	4.54	W/ R-3067-7004-VB; LP; UD; SEE SPEC. NOTE 1
S-1003	10'WP'+37.00	LT-13.50	H INLET	1106.57	1102.65	3.92	W/ R-3067-7004-VB; LP; UD; SEE SPEC. NOTE 1
S-1004	56'SB'+67.81	LT-17.50	H INLET	1105.97	1102.78	3.19	W/ R-3067-7004-V
S-1005	56'SB'+65.80	RT-17.02	H INLET	1105.89	1102.94	2.95	W/ R-3067-7004-V
S-1006	16'SL'+83.76	LT-13.13	CONCRETE COLLAR	-	1085.77	-	PER S.D.D. 5.4.5
S-1007	15'SL'+17.78	LT-15.50	3X3 SAS	1092.88	1087.04	5.84	W/ R-3067-7004-V
S-1008	15'SL'+14.07	RT-15.50	H INLET	1092.96	1089.00	3.96	W/ R-3067-7004-V
S-1009	11'SL'+03.64	LT-15.50	3X3 SAS	1095.83	1089.09	6.74	W/ R-3067-7004-V
S-1009A	10'SL'+97.99	RT-15.50	H INLET	1096.33	1091.00	5.33	W/ R-3067-7004-V
S-1010	10'SL'+97.99	RT-36.50	H INLET FLAT	1097.05	1092.00	5.05	PER S.D.D. 5.7.33; W/ R-3362-L; SEE SPEC. NOTES 2 & 3
S-1011	10'SL'+41.00	LT-15.50	3X3 SAS	1094.87	1089.40	5.47	W/ R-3067-7004-V
S-1012	54'SB'+12.50	LT-17.50	H INLET	1093.13	1090.03	3.10	W/ R-3067-7004-V
S-1013	54'SB'+13.50	RT-17.50	H INLET	1093.20	1090.20	3.00	W/ R-3067-7004-V
S-1014	10'SL'+41.00	RT-15.50	H INLET	1096.00	1091.75	4.25	W/ R-3067-7004-VB; LP; UD; SEE SPEC. NOTE 1
S-1015	54'SB'+81.78	LT-17.50	H INLET	1097.41	1093.50	3.91	W/ R-3067-7004-V
S-1016	56'SB'+01.23	LT-17.50	H INLET	1103.02	1097.60	5.42	W/ R-3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	PIPE LENGTH (FT)	PLAN LENGTH (FT)	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
P-1	S-1000	S-1001	1101.85	1102.13	55	57	0.50%	15"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-2	S-1001	S-1002	1102.13	1102.27	28	31	0.51%	15"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-3	S-1002	S-1003	1102.52	1102.65	25	27	0.52%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-4	S-1003	S-1004	1102.65	1102.78	26	29	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-5	S-1004	S-1005	1102.78	1102.94	33	35	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-6	S-1006	S-1007	1085.77	1087.04	165	167	0.77%	18"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-7	S-1007	S-1008	1087.54	1089.00	29	31	5.07%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-8	S-1007	S-1009	1087.04	1089.09	410	413	0.50%	18"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-9	S-1009	S-1009A	1089.59	1091.00	29	32	4.85%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-10	S-1009	S-1011	1089.09	1089.39	60	63	0.50%	18"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-11	S-1011	S-1012	1089.89	1090.03	28	32	0.51%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-12	S-1012	S-1013	1090.03	1090.20	33	35	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-13	S-1011	S-1014	1089.90	1091.75	29	31	6.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-14	S-1014	S-1015	1091.75	1093.50	30	33	5.84%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-15	S-1015	S-1016	1093.50	1097.60	122	124	3.36%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-16	S-1009A	S-1010	1091.00	1092.00	19	21	5.41%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)

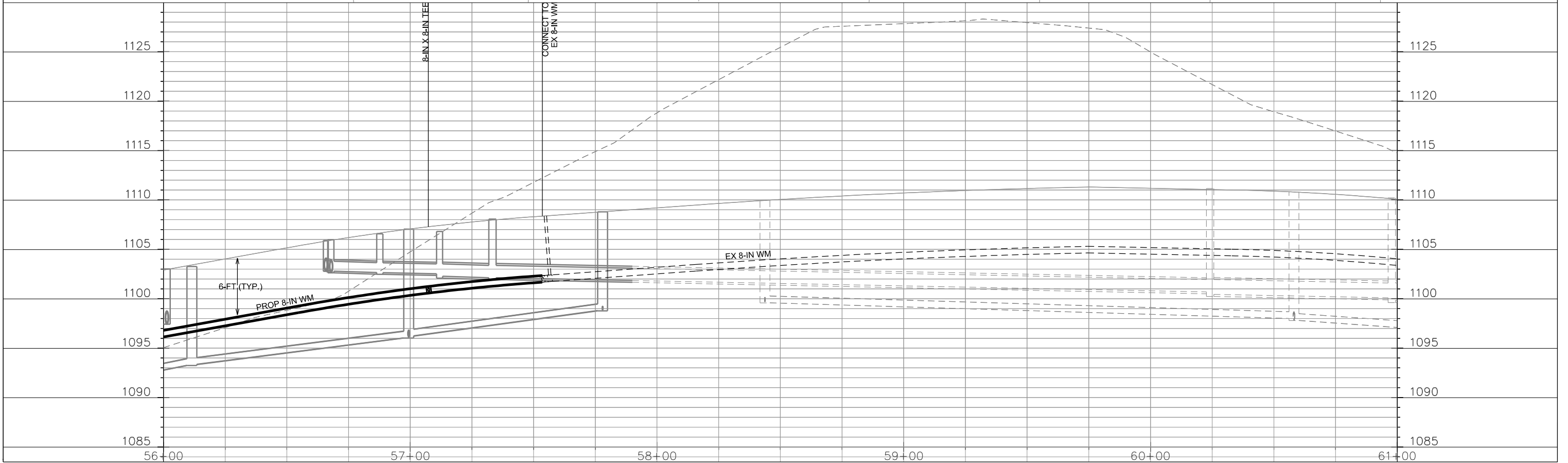
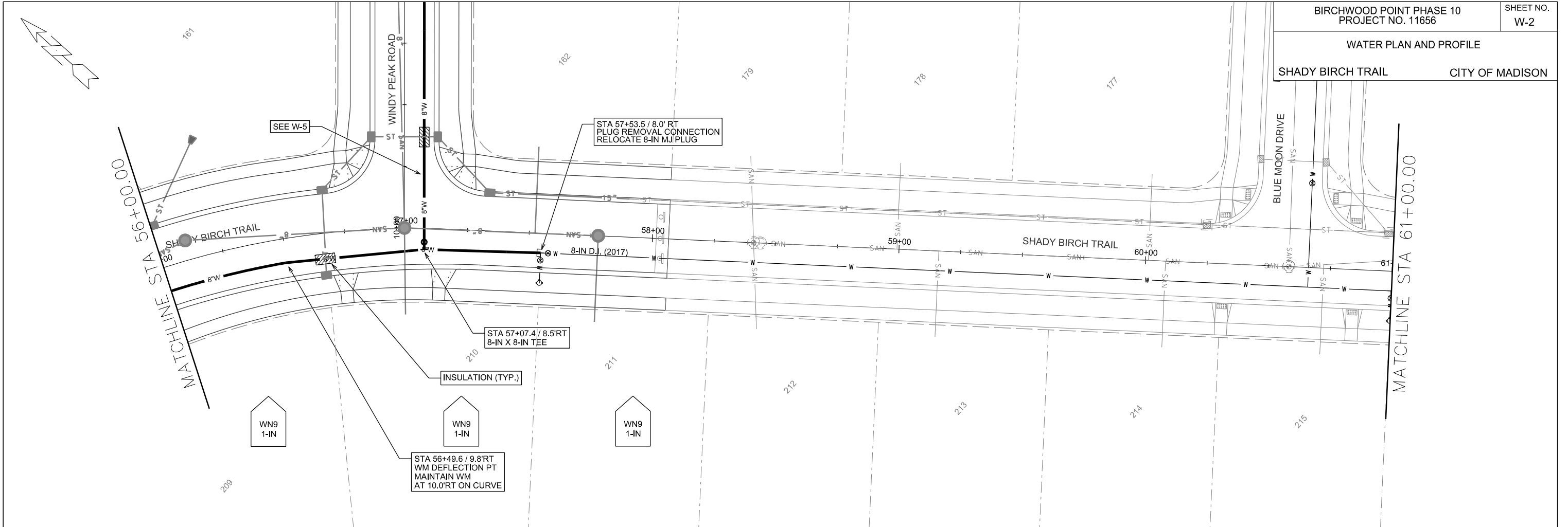
SPECIAL NOTES:

- 1) 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' X 2' SQUARE REMOVE THE PIPE, PATCH THE INLET, PATCH THE BINDER AND PAVE THE STREET.
- 2) TOP OF CASTING ELEVATION FOR H INLET FLAT IS 1" ABOVE FLOWLINE OF CASTING.
- 3) PRIVATE INLET

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 LAUREN STRIEGL OF CITY ENGINEERING AT (608) 266-4094, LSTRIEGL@CITYOFMADISON.COM, FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608) 264-9275.
- INLETS LOCATED IN TYPE "H" CURB SHALL BE INSTALLED PER S.D.D. 5.7.27

WATER PLAN AND PROFILE
SHADY BIRCH TRAIL CITY OF MADISON



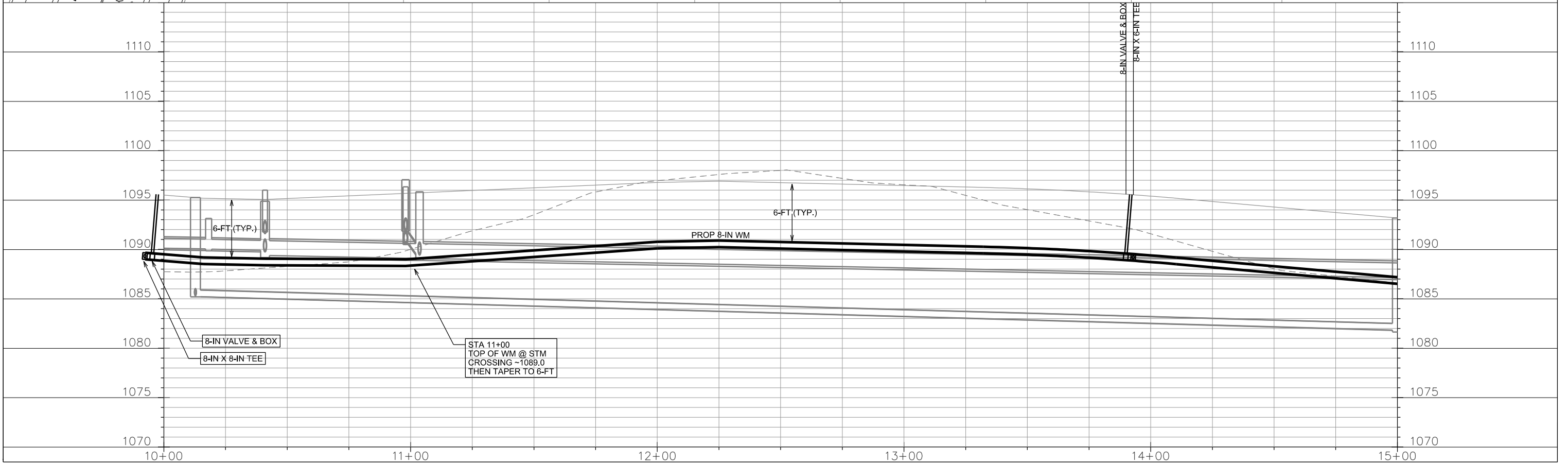
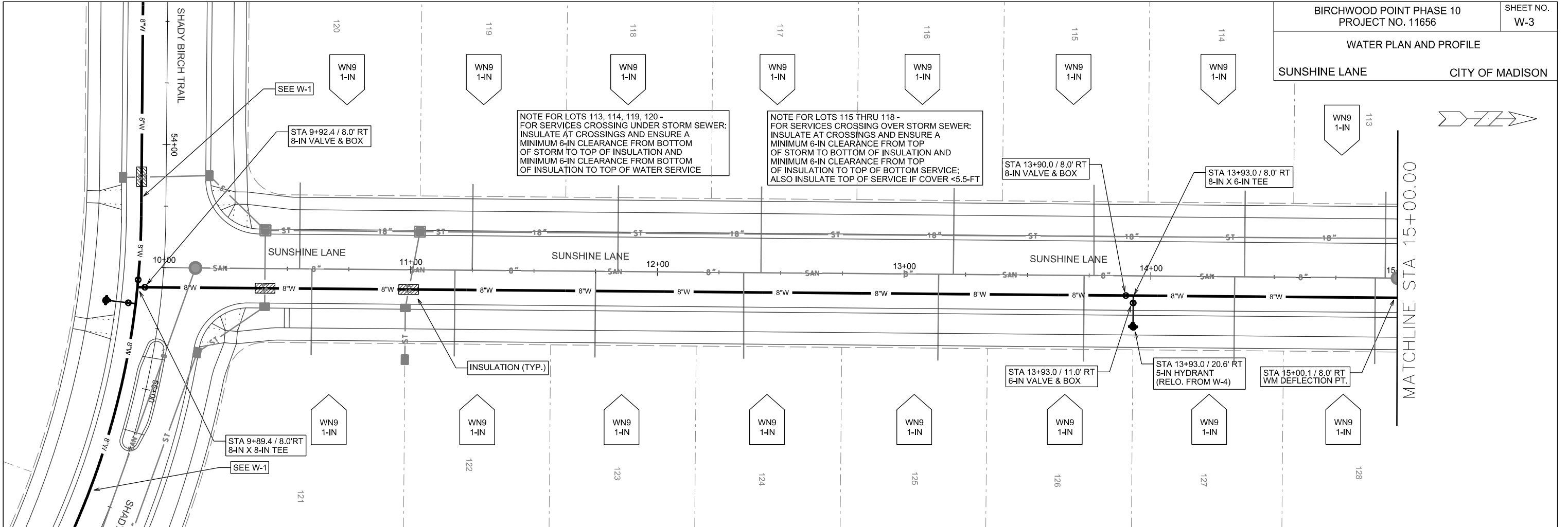
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION

WATER PLAN AND PROFILE
SUNSHINE LANE CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE
SUNSHINE LANE CITY OF MADISON



MATCHLINE STA 15+00.00

NOTE FOR LOTS 110 THRU 112 -
FOR SERVICES CROSSING UNDER STORM SEWER:
INSULATE AT CROSSINGS AND ENSURE A
MINIMUM 6-IN CLEARANCE FROM BOTTOM
OF STORM TO TOP OF INSULATION AND
MINIMUM 6-IN CLEARANCE FROM BOTTOM
OF INSULATION TO TOP OF WATER SERVICE

STA 16+89.3 / 8.0' RT
INSTALL TEMP. HYDRANT
IF LOTS 109 OR 132 ARE
DEVELOPED

STA 16+92.3 / 8.0' RT
CONNECT TO EX. MAIN
SALVAGE REDUCER
RELOCATE EX HYDRANT TO W-3

INSULATION (TYP.)

8-IN D.I. (2017)

WN9
1-IN

WN9
1-IN

WN9
1-IN

129

130

131

132

90

91

92

93

94

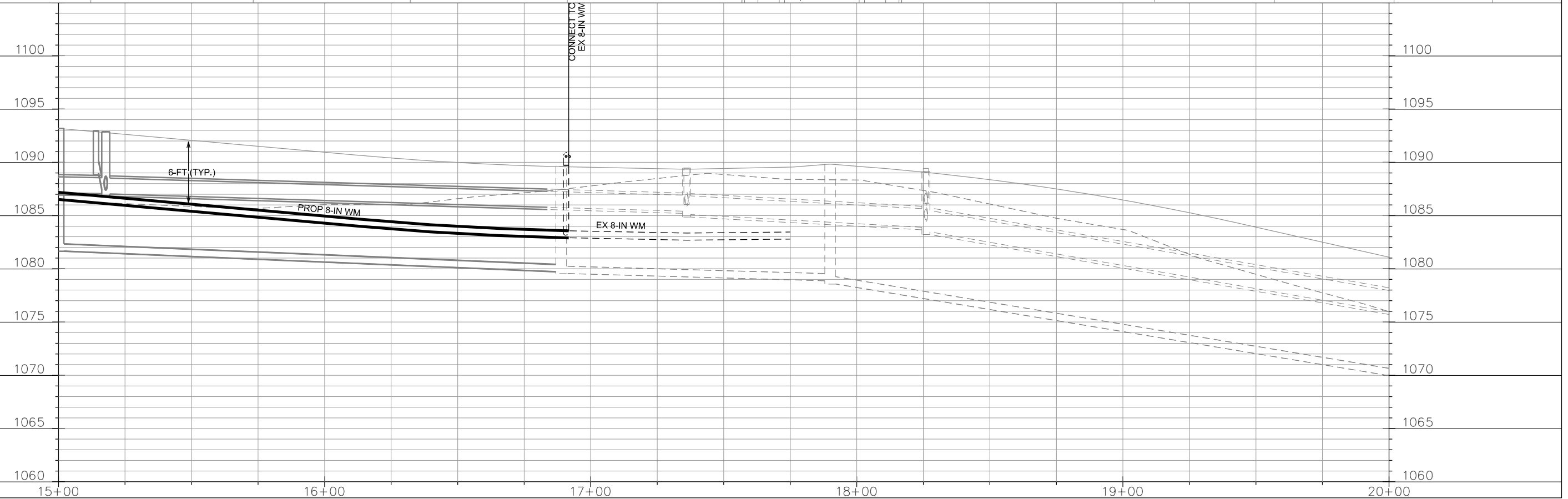
95

SUNSHINE LANE

SUNSHINE LANE

SUNSHINE LANE

MEANDERING WAY

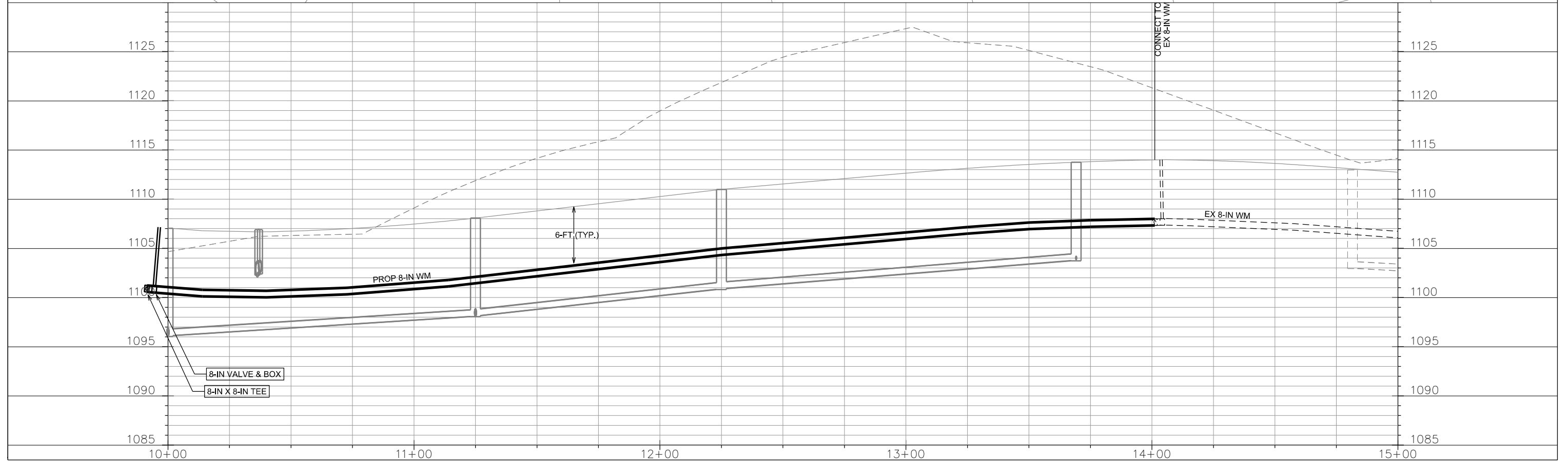
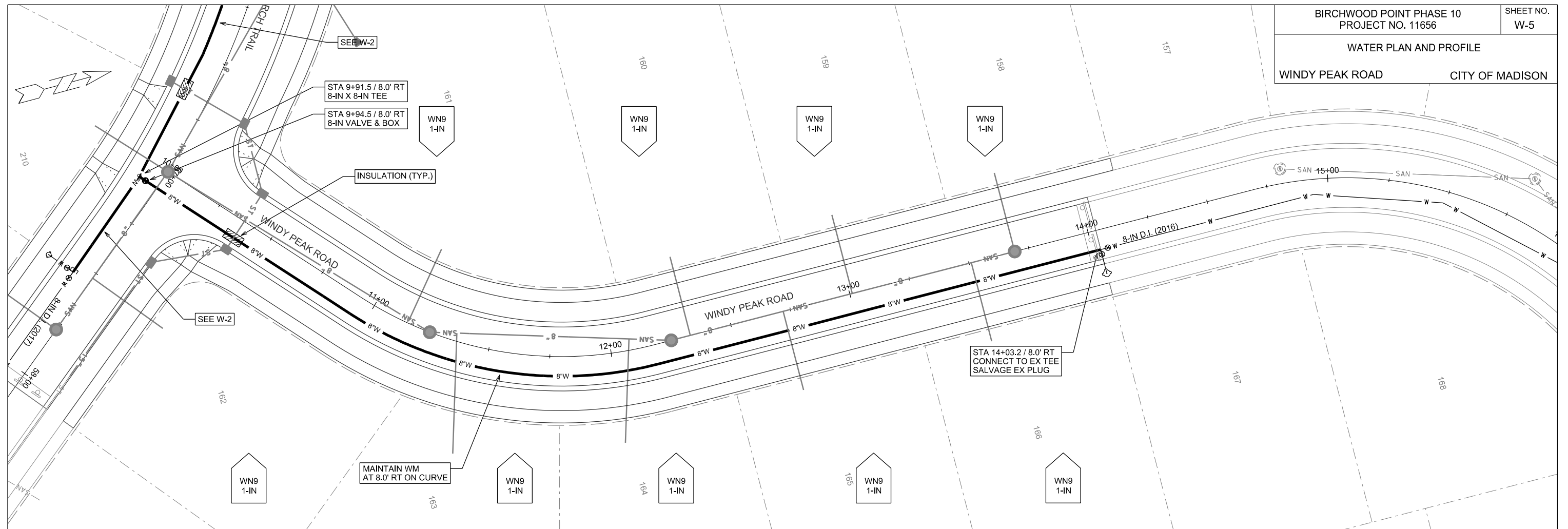


PLOT SCALE:

PLOT NAME:

REV. DATE:

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PLOT SCALE:

PLOT NAME:

REV. DATE:

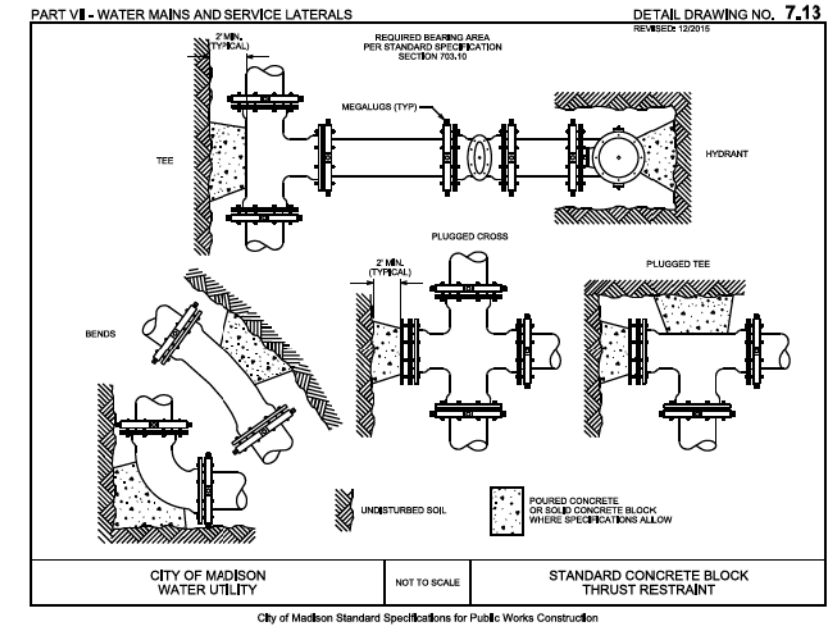
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

 INDICATES INSULATION AT STORM SEWER CROSSING



ESTIMATE OF PROJECT WATER MATERIALS:

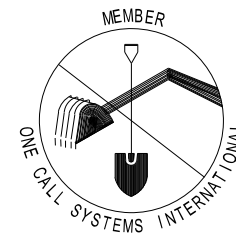
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.

WATER MAIN AND FITTING MATERIALS	
6-IN PIPE (LF)	40
8-IN PIPE (LF)	1580
POLY WRAP (LF)	1800
6-IN VALVES & BOXES	3
8-IN VALVES & BOXES	4
8-IN X 6-IN TEES	3
8-IN X 8-IN TEES	2
5-IN HYDRANTS	2
REUSED MATERIALS	
5-IN HYDRANTS	1
8-IN MJ PLUGS	1
SALVAGED MATERIALS	
8-IN MJ PLUGS	1
8-IN X 6-IN REDUCERS	1
MISC. MATERIALS	
2-IN INSULATION (LF)	AS REQ
TEMP. HYDRANT	AS REQ
COPPER TUBING (1-IN TO 2-IN)	AS REQ

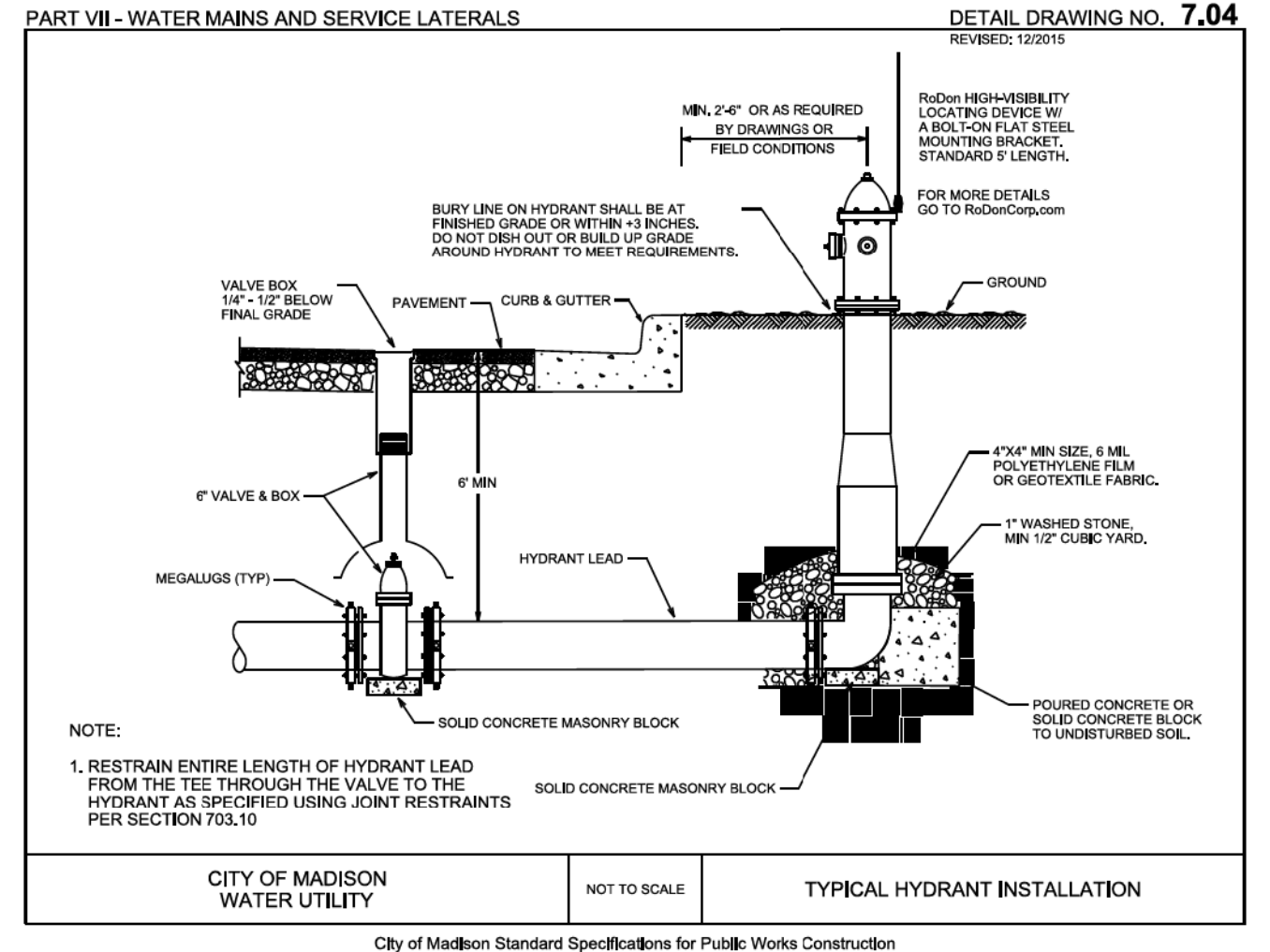
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.



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