

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## SUGAR MAPLE PHASE 1

CITY PROJECT NO. 53B2317

CITY CONTRACT NO. 2317

*SHEET NO. M1-M2 PAVEMENT MARKING PLAN  
Rev. John Sapp 8-18-14*

PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 18, 2014

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

*[Signature]* 7/28/14  
City Engineer Date

STREET DESIGNED BY:  
**WISCONSIN PROFESSIONAL ENGINEER**  
*[Signature]*  
JAMES M. WOLFE  
E-42725  
MADISON, WI  
7-21-14

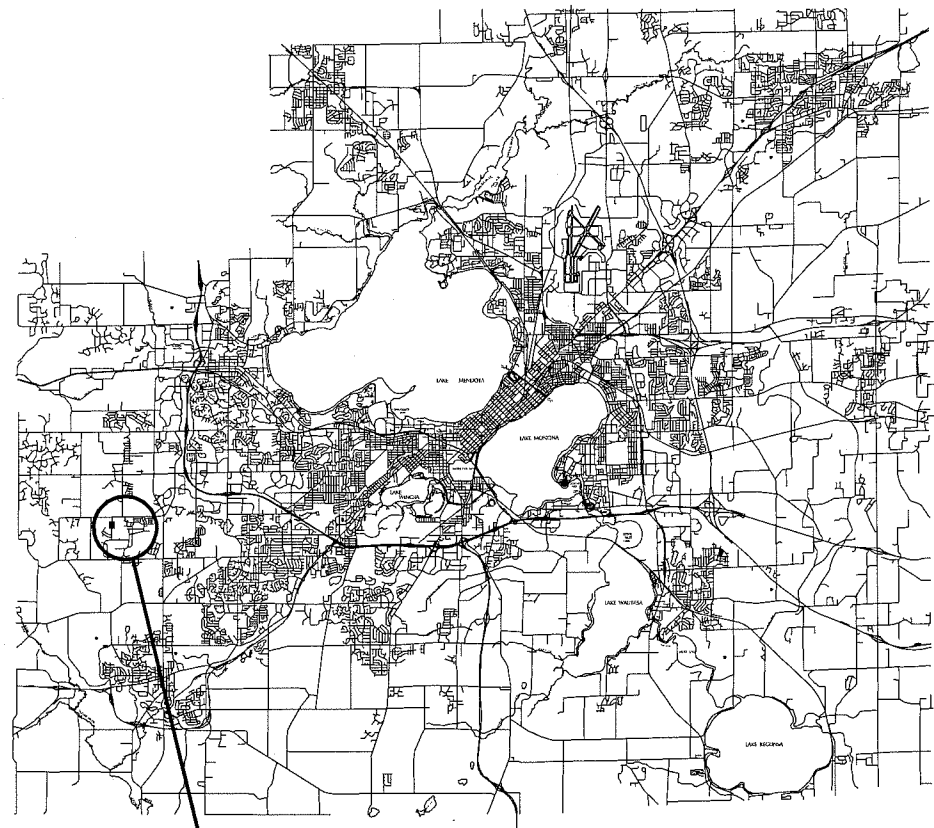
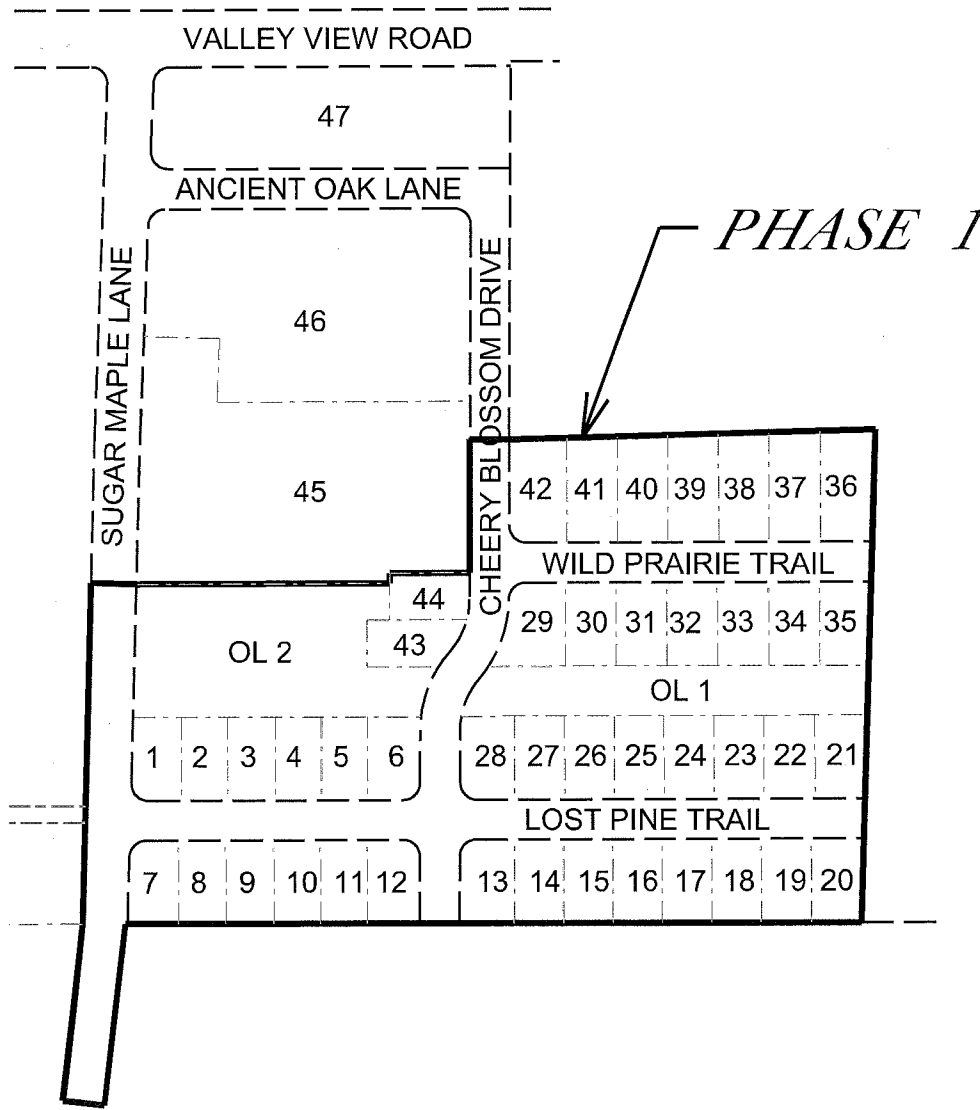
SANITARY SEWER DESIGNED BY:  
**WISCONSIN PROFESSIONAL ENGINEER**  
*[Signature]*  
MARK D. MODER  
E-33979  
MADISON, WI  
7/25/14

WATER DESIGNED BY:  
**WISCONSIN PROFESSIONAL ENGINEER**  
*[Signature]*  
PETER E. HOLMGREN  
E-42456  
MADISON, WI  
6/27/14

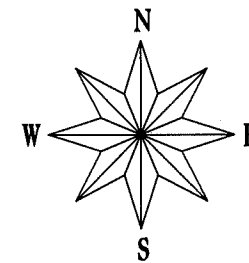
STORM SEWER DESIGNED BY:  
**WISCONSIN PROFESSIONAL ENGINEER**  
*[Signature]*  
GREGORY T. FRIES  
E-30656  
MADISON, WI  
7/25/14

### INDEX OF SHEETS

SHEET NO.	TITLE
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DI-D2	DETAILS
PI-P9	STREET PLAN AND PROFILES
UI-UI2	UTILITIES PLAN AND PROFILES
U13	SANITARY SEWER SCHEDULE
U14	STORM SEWER SCHEDULE
UI5-UI7	POND PLAN
W1-W8	WATER PLAN AND PROFILES
W9	WATER IMPACT PLAN
W10	WATER MATERIALS
XI-X10	CROSS SECTIONS



### PROJECT LOCATION



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

THE DEVELOPER/CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL TO CITY OF MADISON TRAFFIC ENGINEERING DIVISION A MINIMUM OF 10 WORKING DAYS PRIOR TO THE ANTICIPATED START OF WORK ON SUGAR MAPLE LANE. WORK MAY NOT PROCEED ON SUGAR MAPLE LANE UNTIL THERE IS AN APPROVED TRAFFIC CONTROL PLAN OBTAINED FROM CITY TRAFFIC ENGINEERING.

ALL PAVEMENT WITHIN THE SUGAR MAPLE LANE RIGHT-OF-WAY SHALL BE TYPE C PAVEMENT. ALL PAVEMENT WITHIN THE LOST PINE TRAIL, CHERRY BLOSSOM DRIVE AND WILD PRAIRIE TRAIL RIGHTS-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.

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.

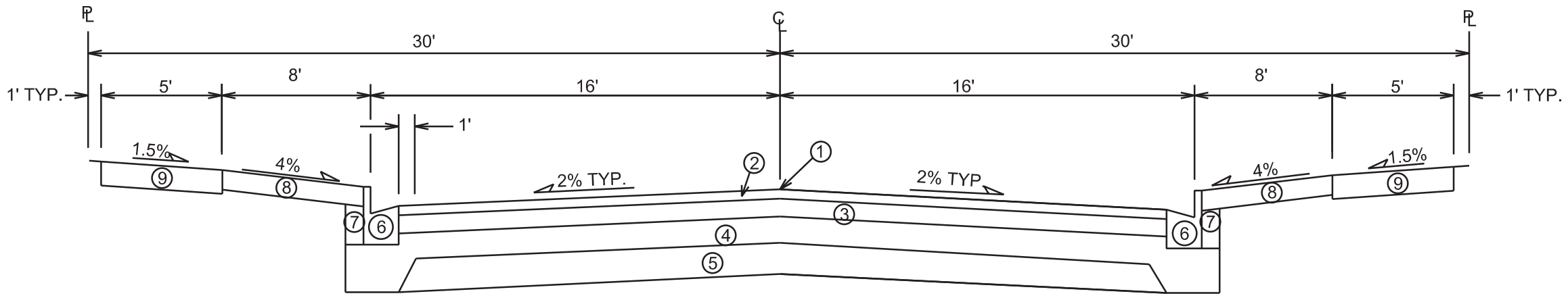
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

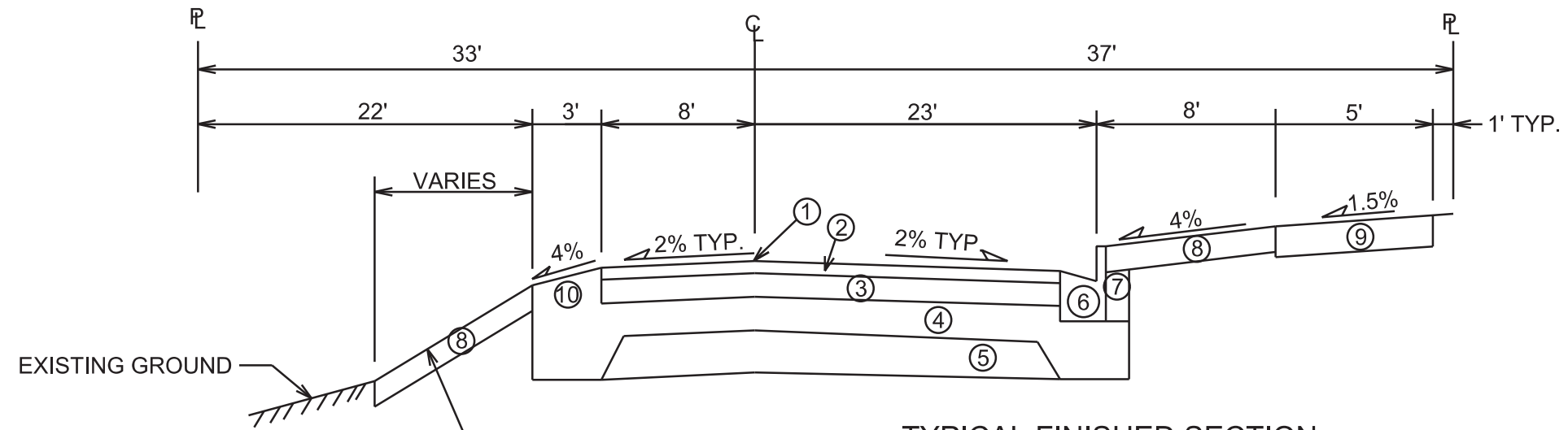
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL FINISHED SECTION**

CHERRY BLOSSOM DRIVE  
LOST PINE TRAIL  
WILD PRAIRIE TRAIL



**TYPICAL FINISHED SECTION**

SUGAR MAPLE LANE

- ① POINT REFERRED TO ON PROFILE
- ② BITUMINOUS UPPER LAYER
- ③ BITUMINOUS LOWER LAYER
- ④ 4" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER
- ⑦ FILL, INCIDENTAL
- ⑧ 4" TOPSOIL, SEED & MAT
- ⑨ 5" CONCRETE SIDEWALK
- ⑩ GRAVEL SHOULDER, TOP W/ GRAD. 3 CRUSHED AGG.

CITY OF MADISON MINIMUM PAVEMENT DESIGN. SEE SHEET D-1 FOR PAVEMENT REQUIREMENTS ON EACH STREET

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	TYPE	THICKNESS	TYPE	THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.50"	E-1	1.75"
C	6"	4"	E-3	3.50"	E-3	1.75"

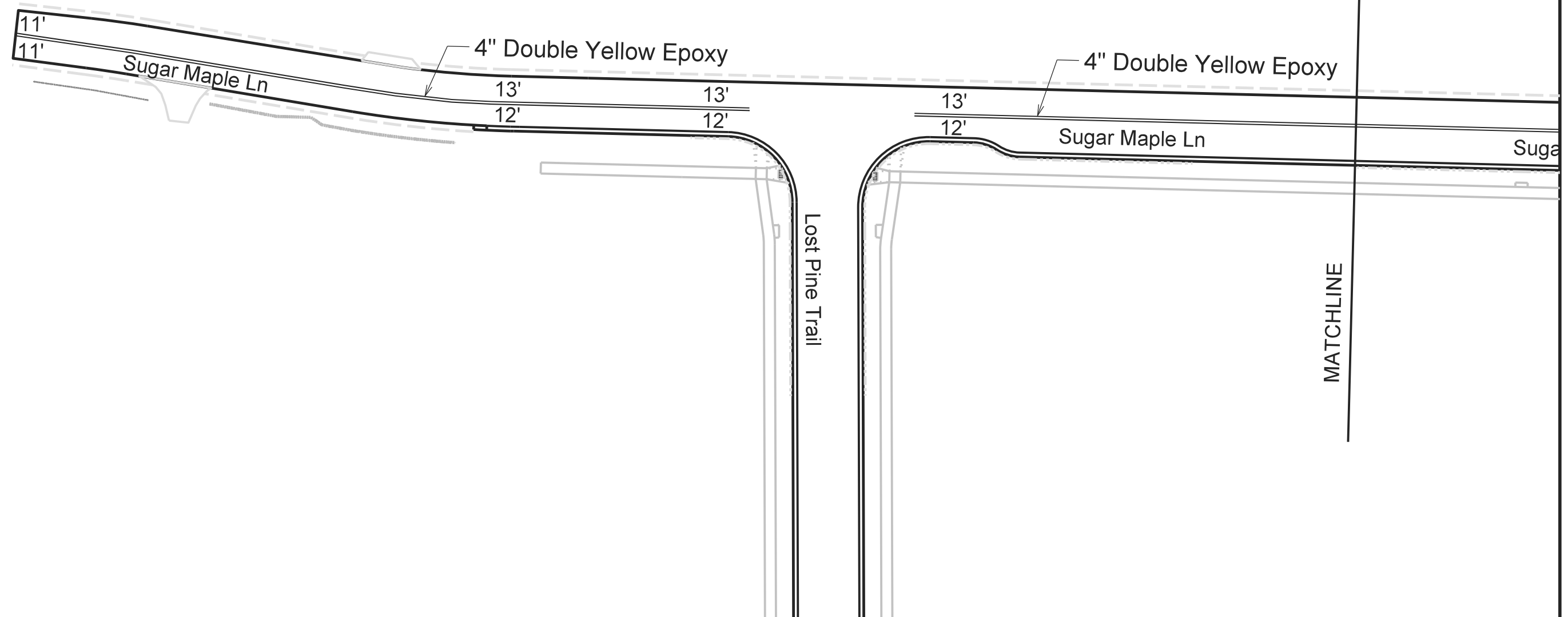
\* SEE CROSS SECTION SHEETS FOR SLOPES AND TOP OF CURB, EDGE OF PAVEMENT & DITCH ELEVATIONS.

TYPICAL SECTIONS NOT TO SCALE

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



PLOT SCALE:  
PLOT NAME:  
REV. DATE:  
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

MATCHLINE

MATCHLINE

le Yellow Epoxy

e Ln

Sugar Maple Ln

4" Double Yellow Epoxy

4" Double Yellow Epoxy

13'

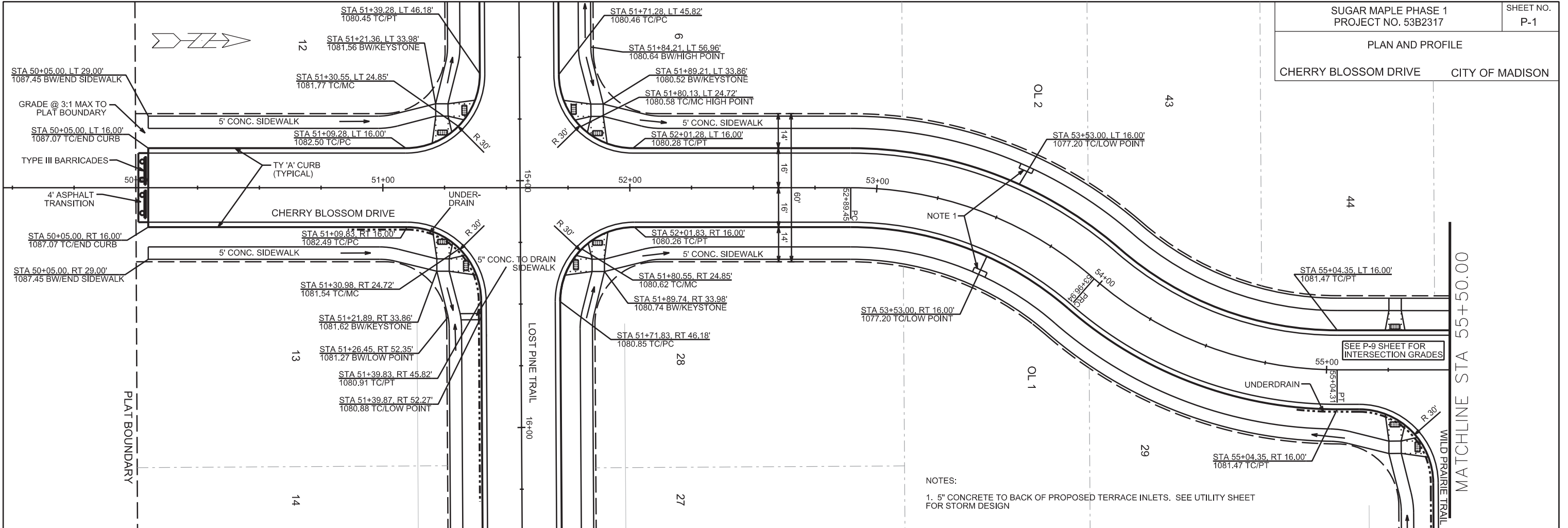
18'

10'

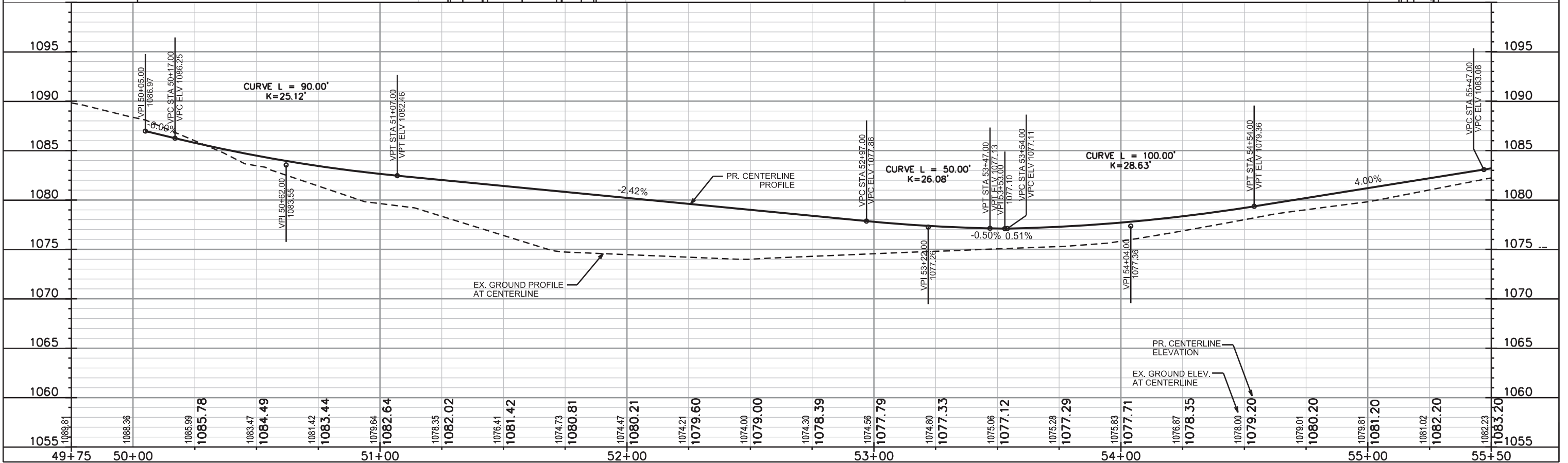
10'

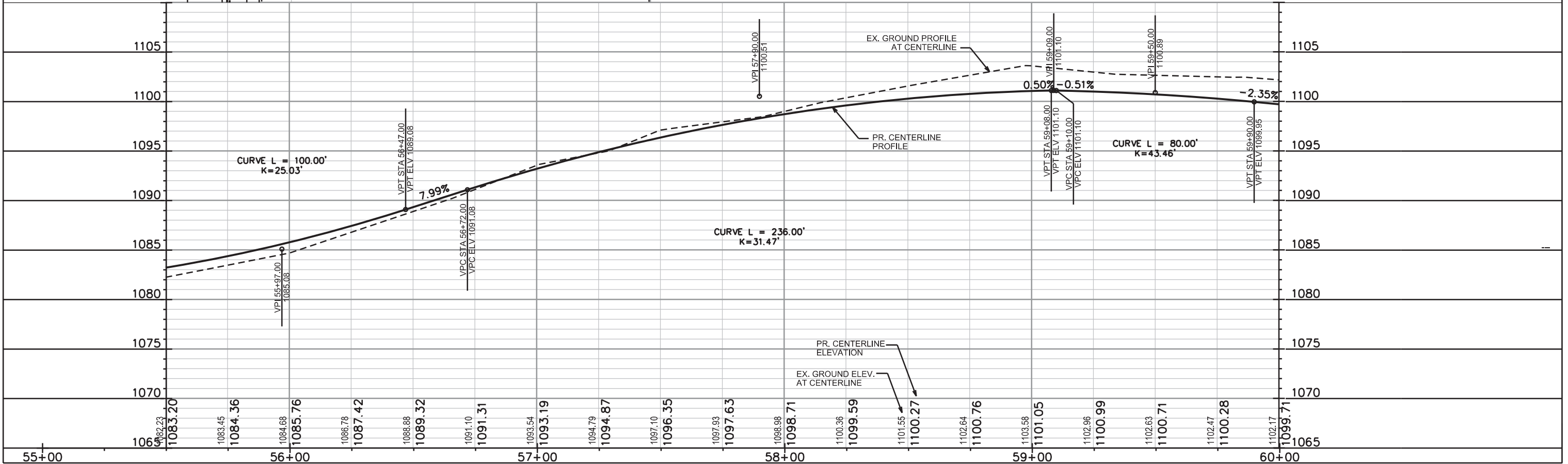
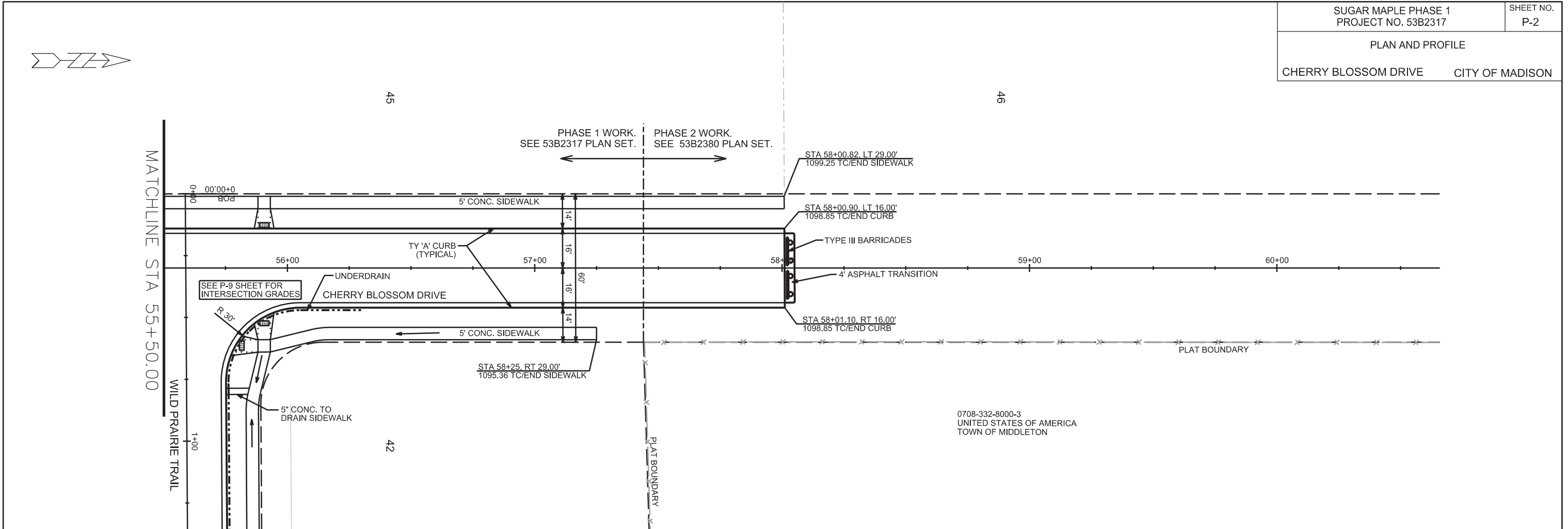
340'

PLAN AND PROFILE  
CHERRY BLOSSOM DRIVE CITY OF MADISON



NOTES:  
1. 5" CONCRETE TO BACK OF PROPOSED TERRACE INLETS. SEE UTILITY SHEET FOR STORM DESIGN





PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

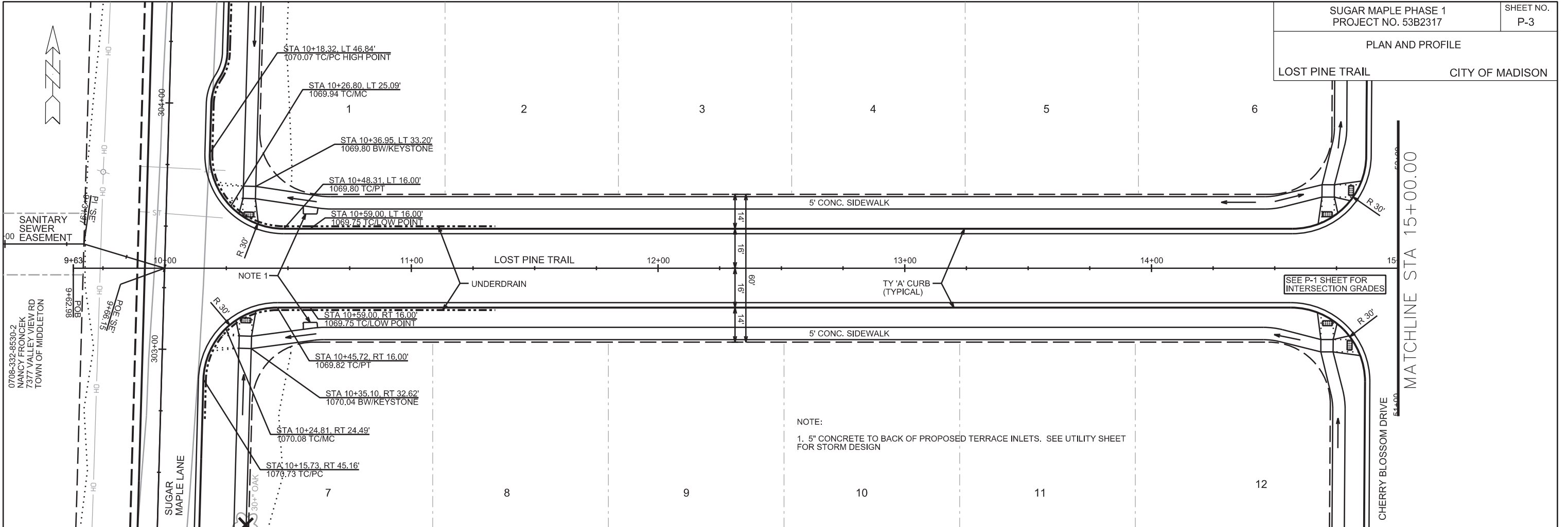
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

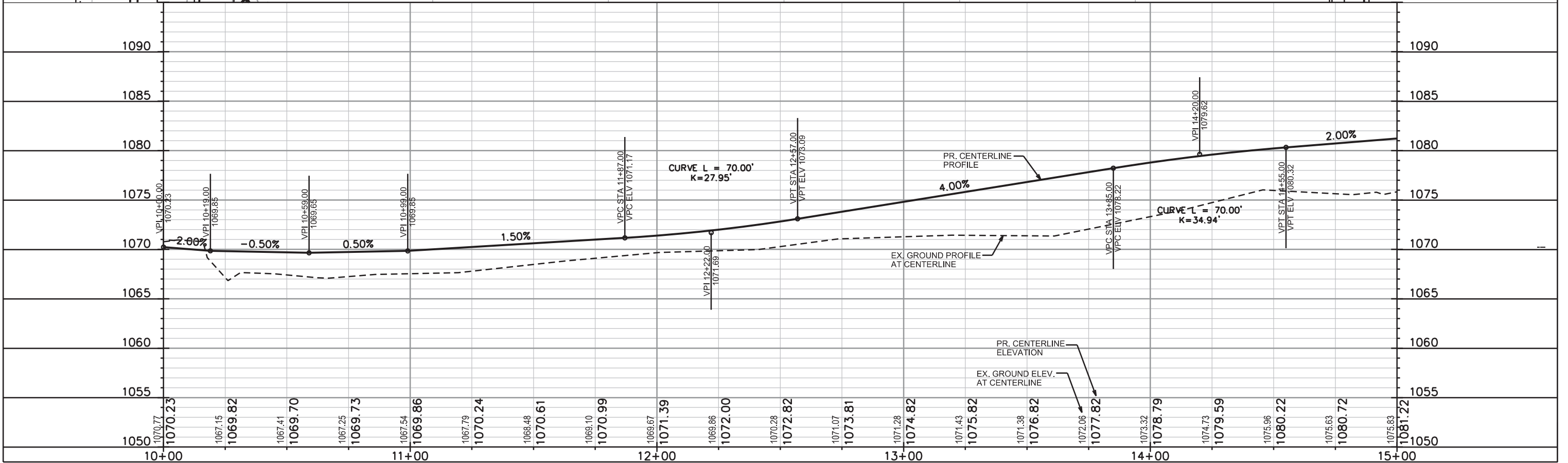


PLAN AND PROFILE

LOST PINE TRAIL CITY OF MADISON



NOTE:  
1. 5" CONCRETE TO BACK OF PROPOSED TERRACE INLETS. SEE UTILITY SHEET FOR STORM DESIGN



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

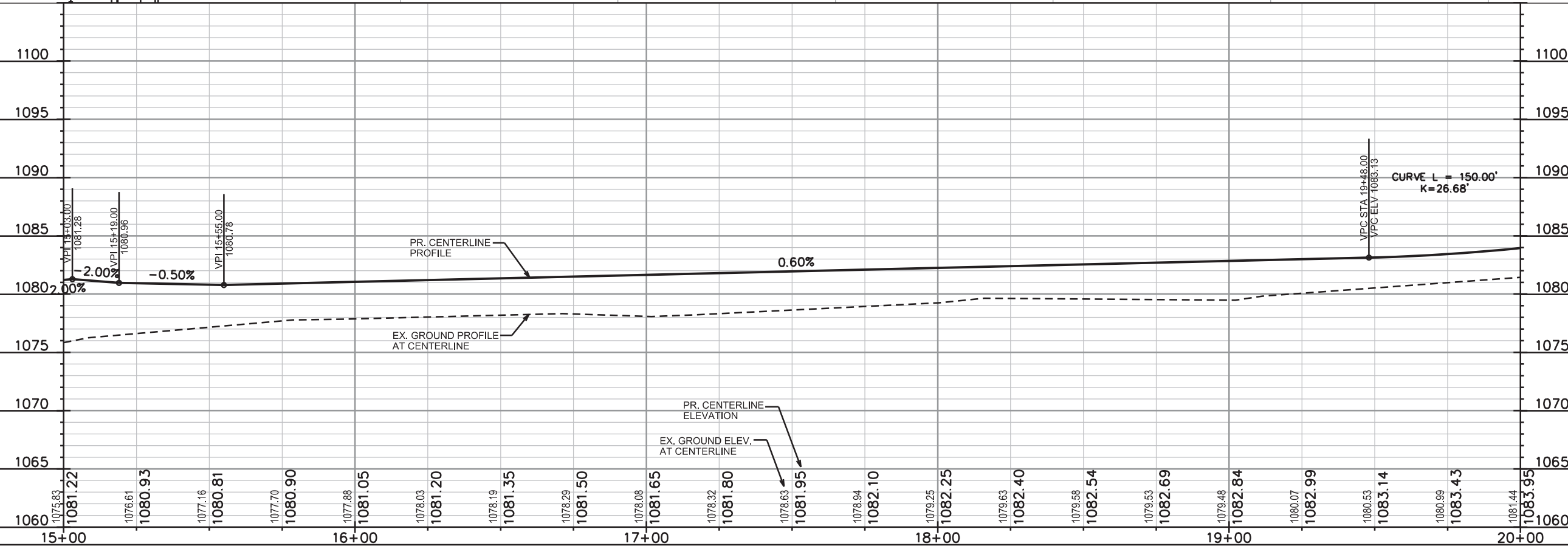
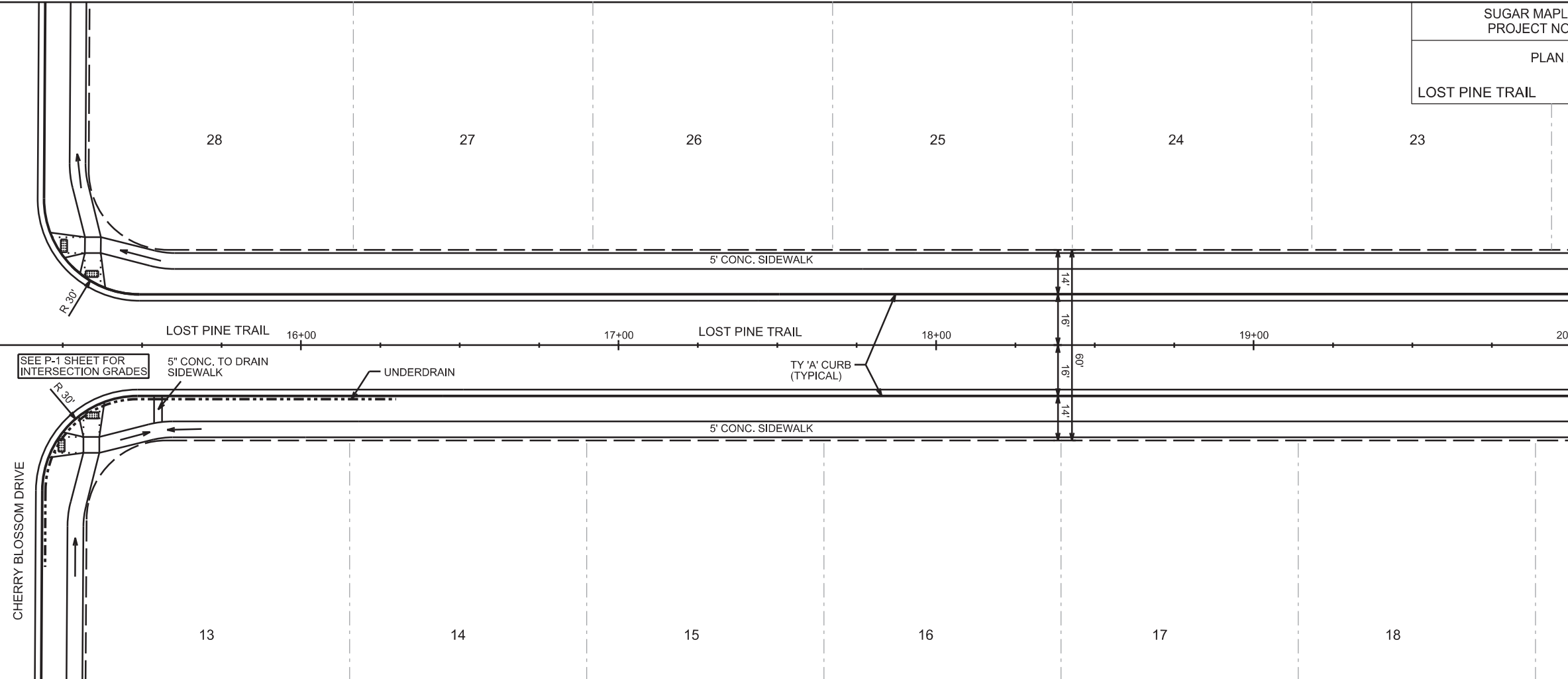
ORIGINATOR: CITY OF MADISON, STREETS DIVISION





MATCHLINE STA 15+00.00

MATCHLINE STA 20+00.00



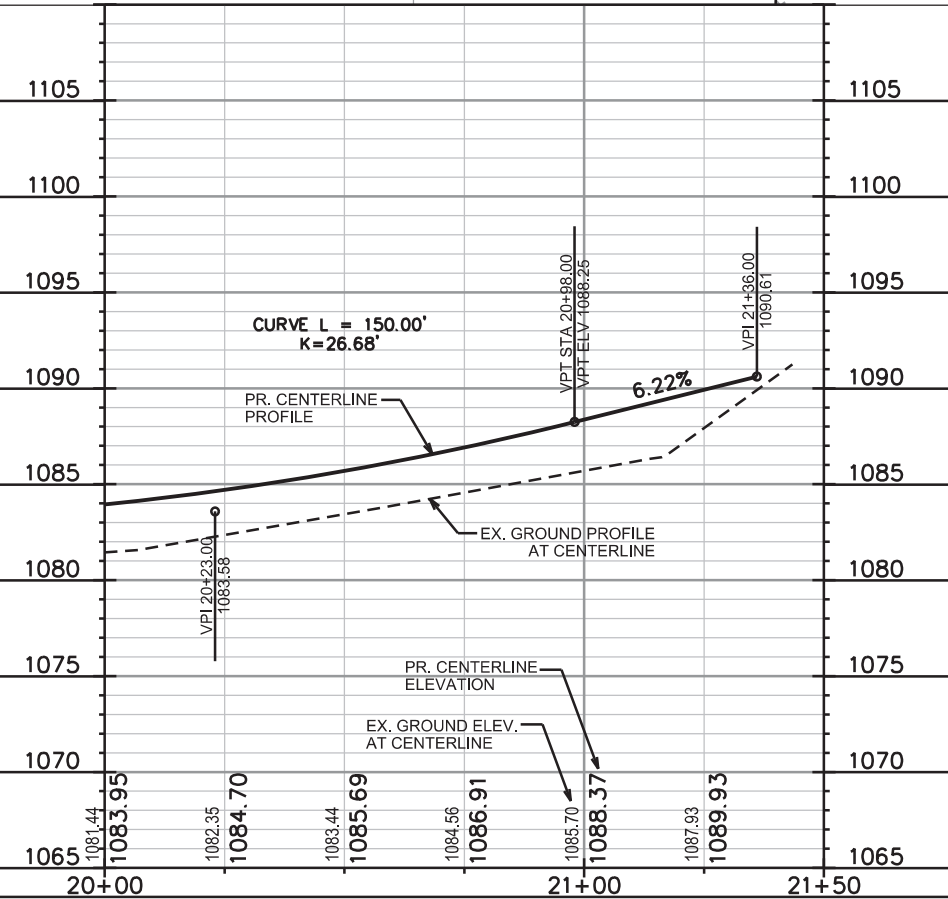
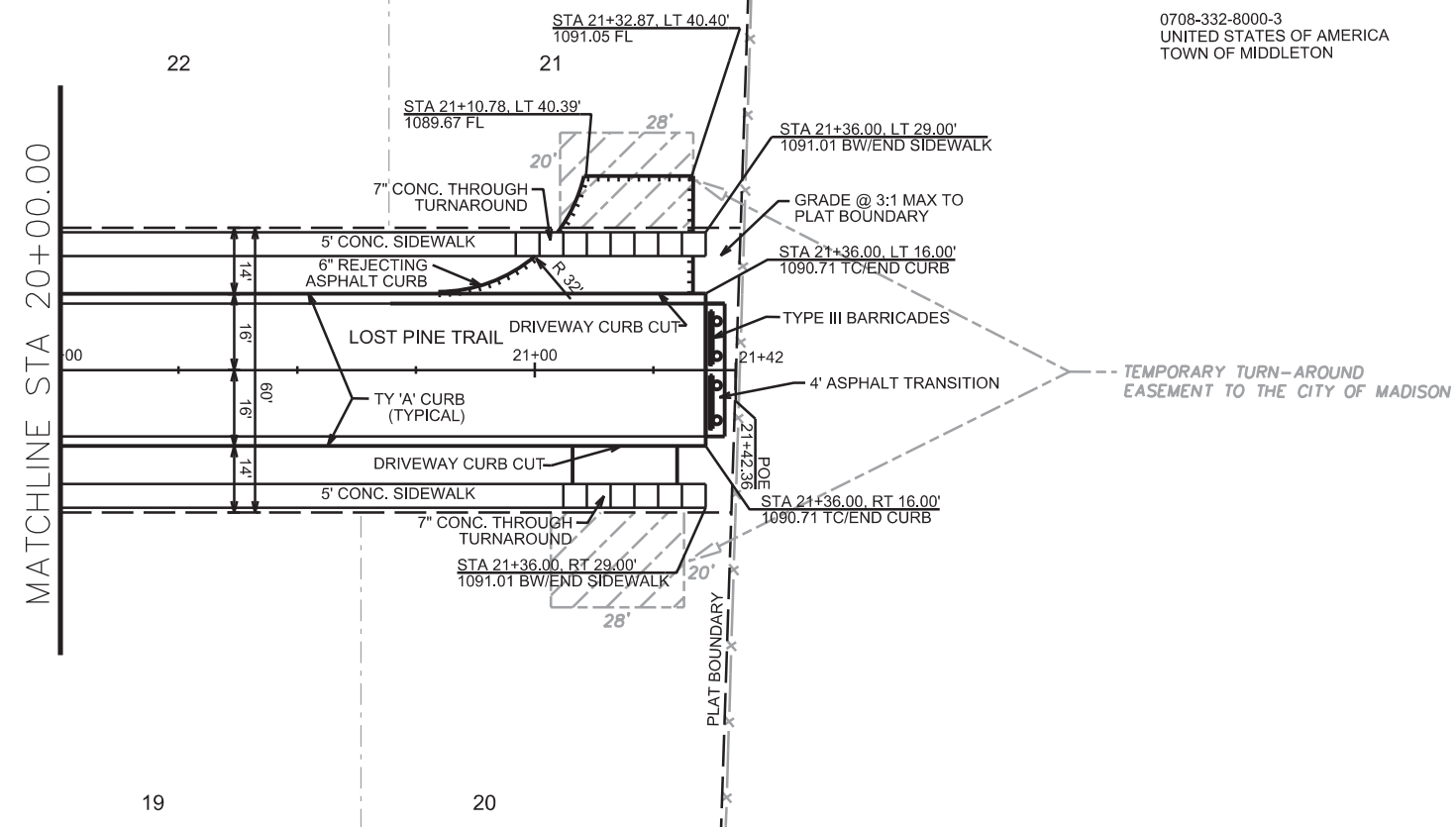
PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0708-332-8000-3  
UNITED STATES OF AMERICA  
TOWN OF MIDDLETON



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

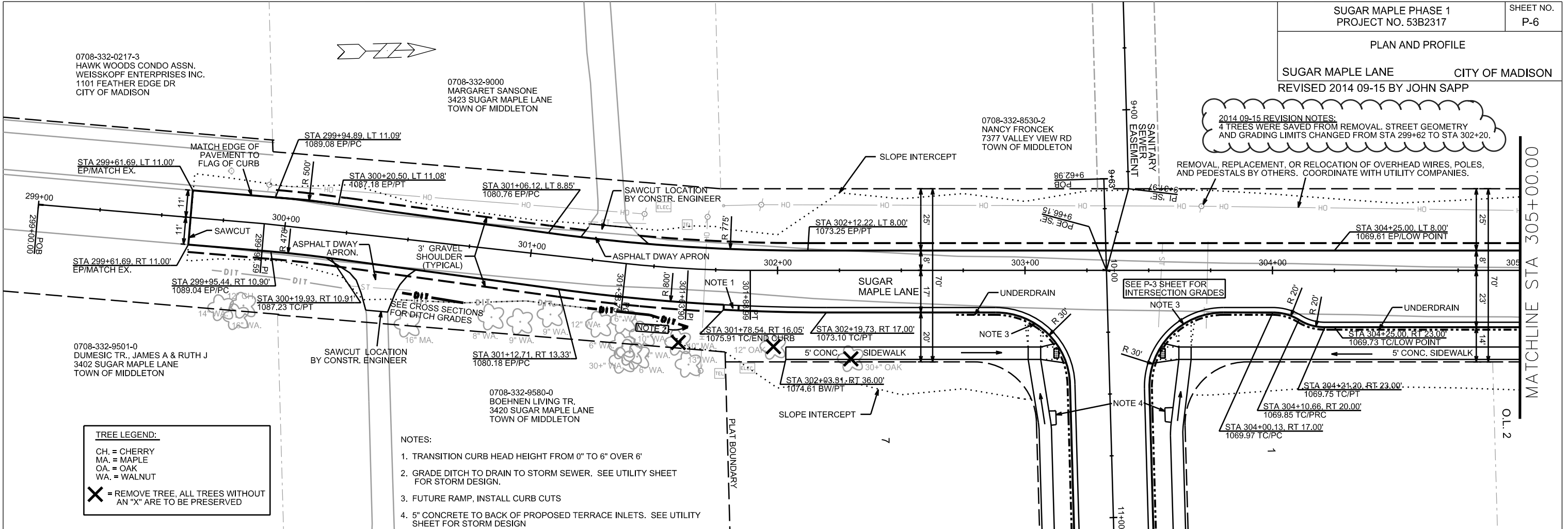
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

SUGAR MAPLE LANE CITY OF MADISON  
REVISED 2014 09-15 BY JOHN SAPP

2014 09-15 REVISION NOTES:  
4 TREES WERE SAVED FROM REMOVAL. STREET GEOMETRY AND GRADING LIMITS CHANGED FROM STA 299+62 TO STA 302+20.

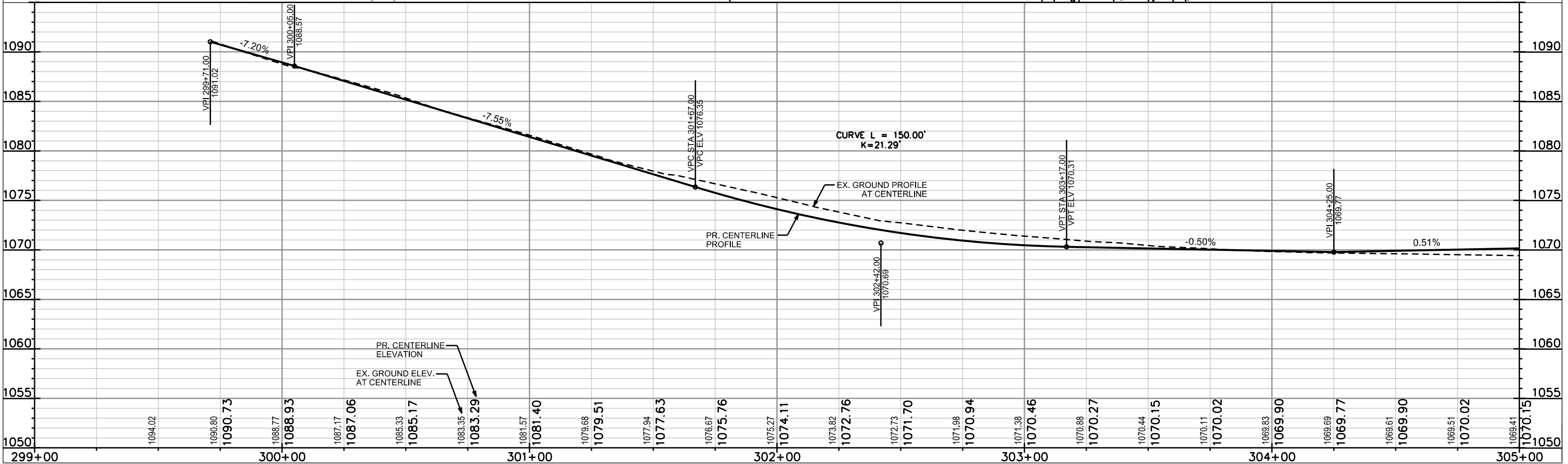


**TREE LEGEND:**

- CH. = CHERRY
- MA. = MAPLE
- OA. = OAK
- WA. = WALNUT

✗ = REMOVE TREE. ALL TREES WITHOUT AN "X" ARE TO BE PRESERVED

- NOTES:**
1. TRANSITION CURB HEAD HEIGHT FROM 0" TO 6" OVER 6"
  2. GRADE DITCH TO DRAIN TO STORM SEWER. SEE UTILITY SHEET FOR STORM DESIGN.
  3. FUTURE RAMP, INSTALL CURB CUTS
  4. 5" CONCRETE TO BACK OF PROPOSED TERRACE INLETS. SEE UTILITY SHEET FOR STORM DESIGN



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

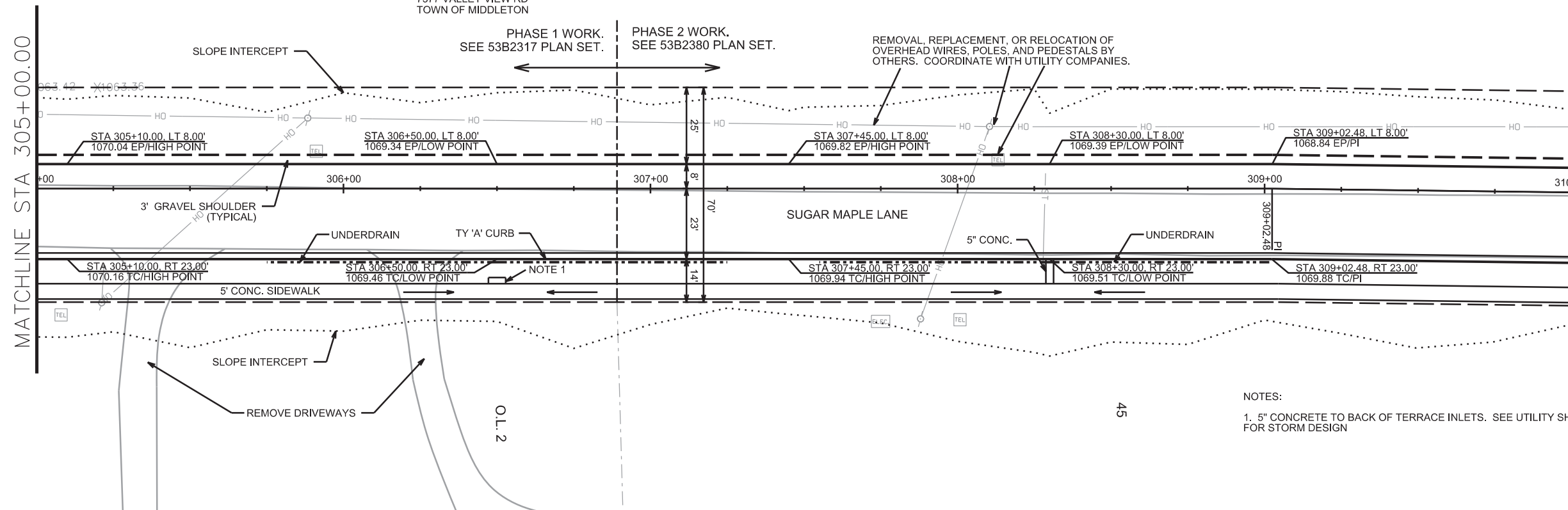


0708-332-8530-2  
NANCY FRONCEK  
7377 VALLEY VIEW RD  
TOWN OF MIDDLETON

PHASE 1 WORK.  
SEE 53B2317 PLAN SET.

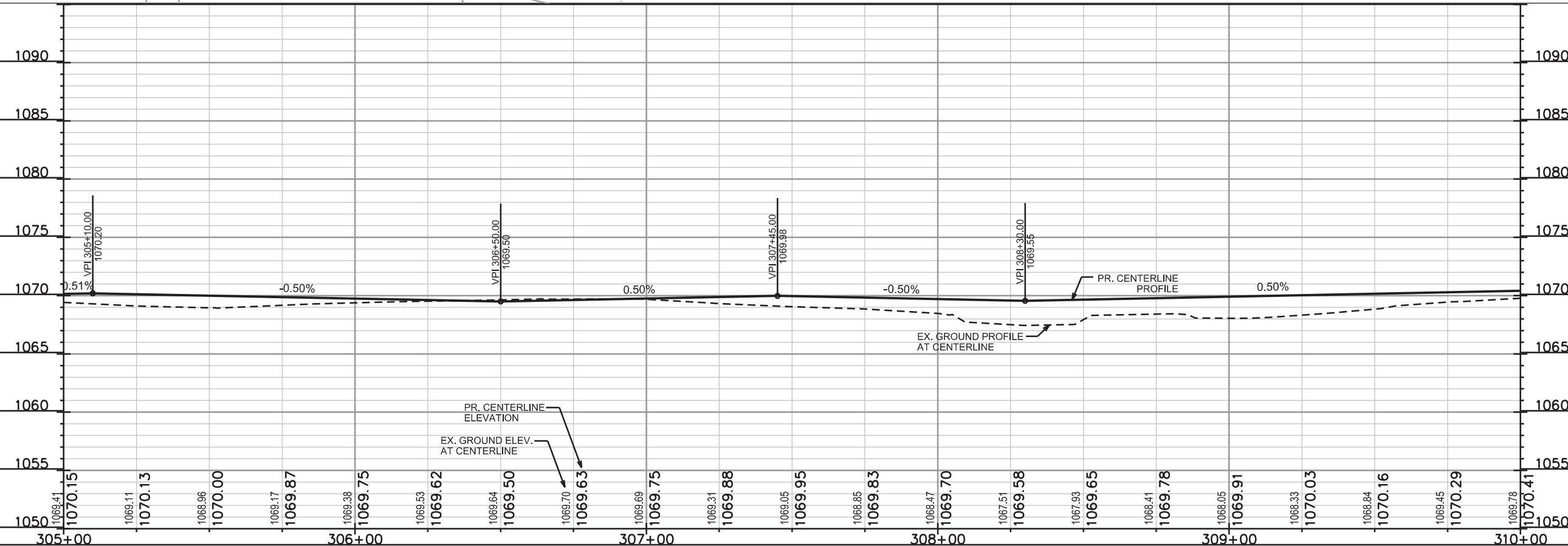
PHASE 2 WORK.  
SEE 53B2380 PLAN SET.

REMOVAL, REPLACEMENT, OR RELOCATION OF  
OVERHEAD WIRES, POLES, AND PEDESTALS BY  
OTHERS. COORDINATE WITH UTILITY COMPANIES.



NOTES:

1. 5" CONCRETE TO BACK OF TERRACE INLETS. SEE UTILITY SHEET FOR STORM DESIGN



PR. CENTERLINE  
ELEVATION

EX. GROUND ELEV.  
AT CENTERLINE

PLOT SCALE: \_\_\_\_\_

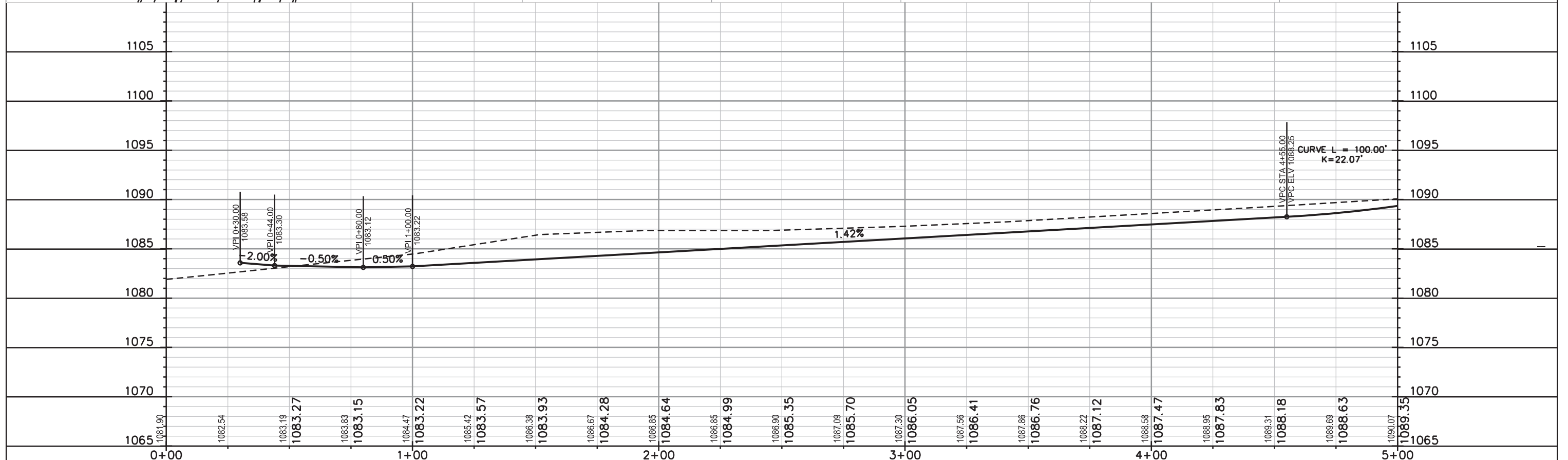
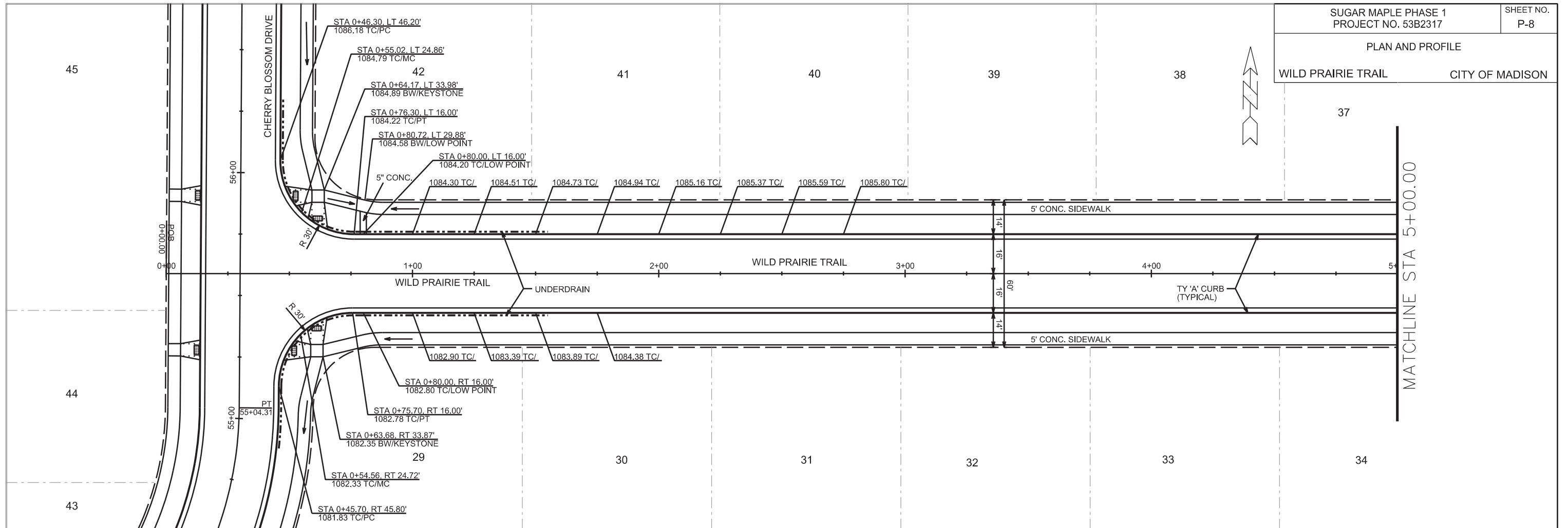
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

WILD PRAIRIE TRAIL CITY OF MADISON

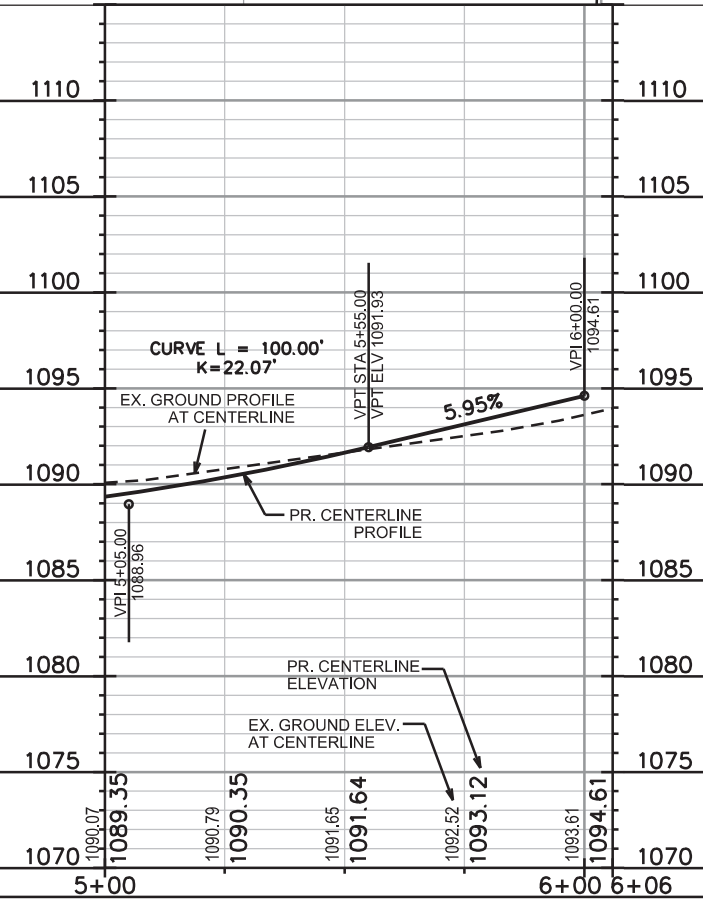
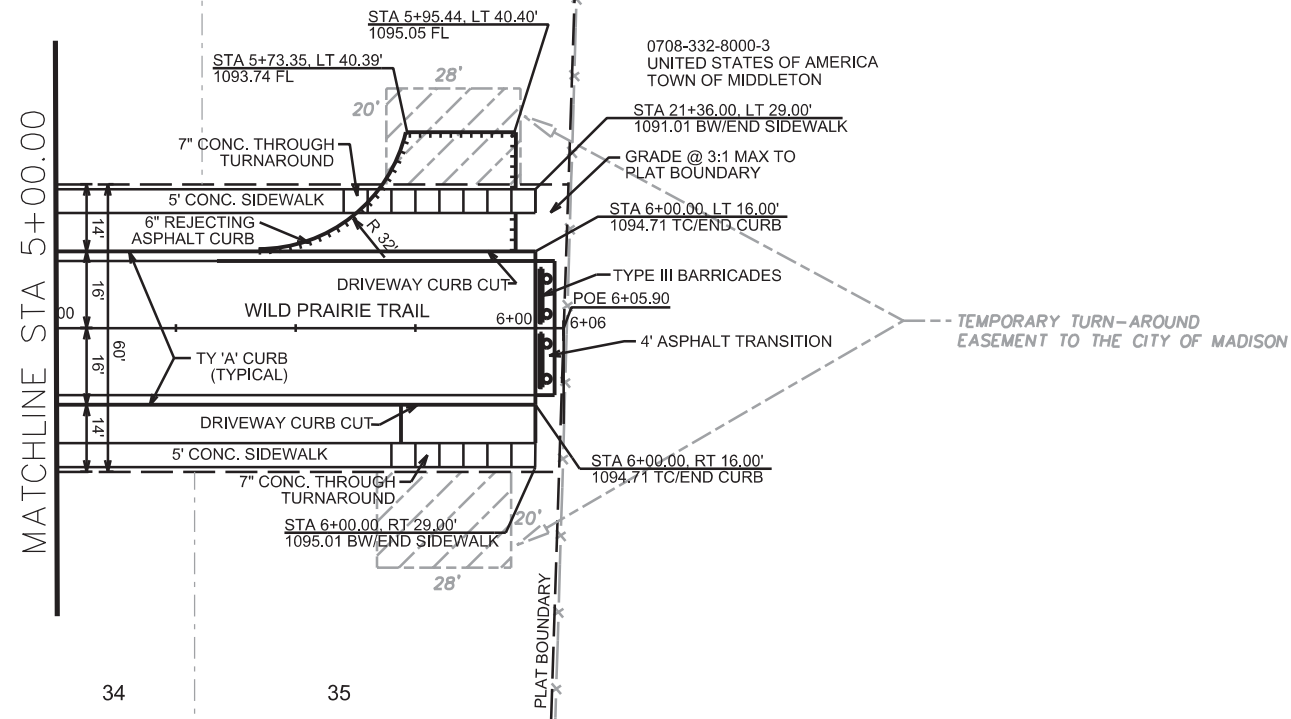
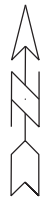


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



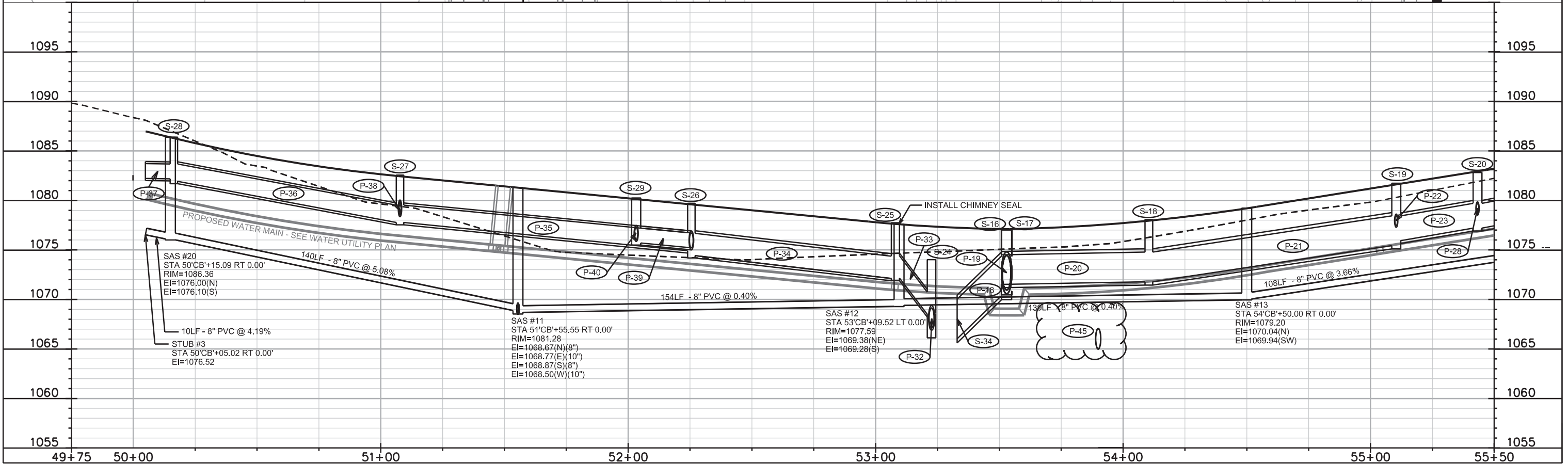
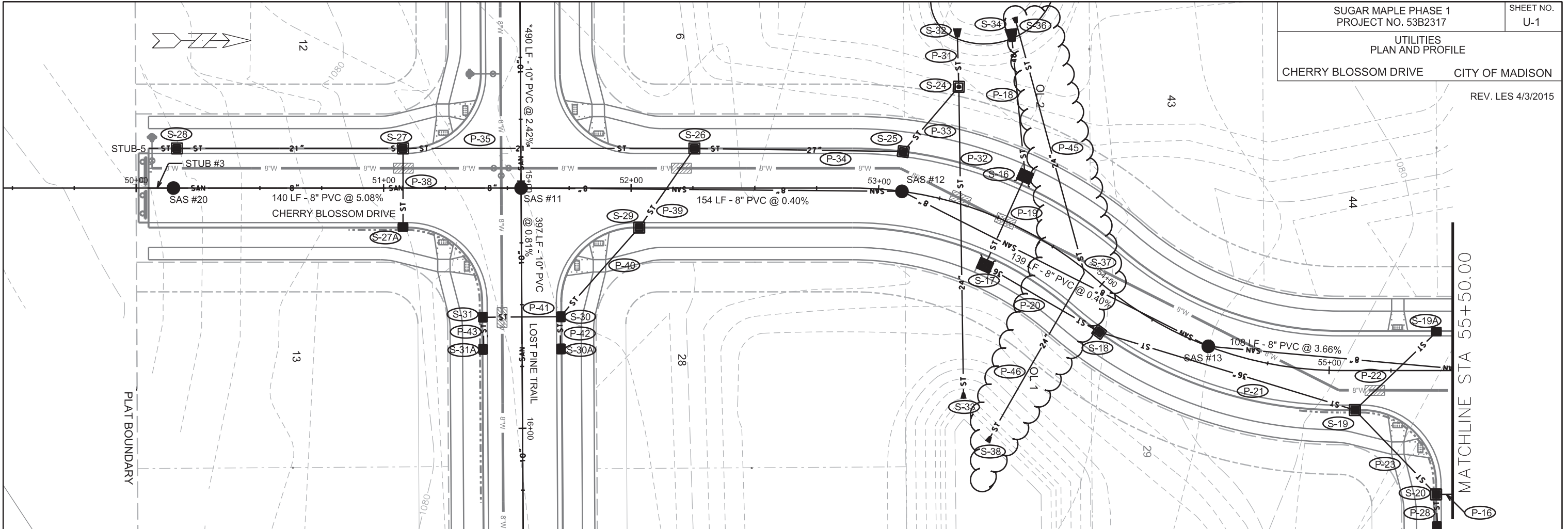
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



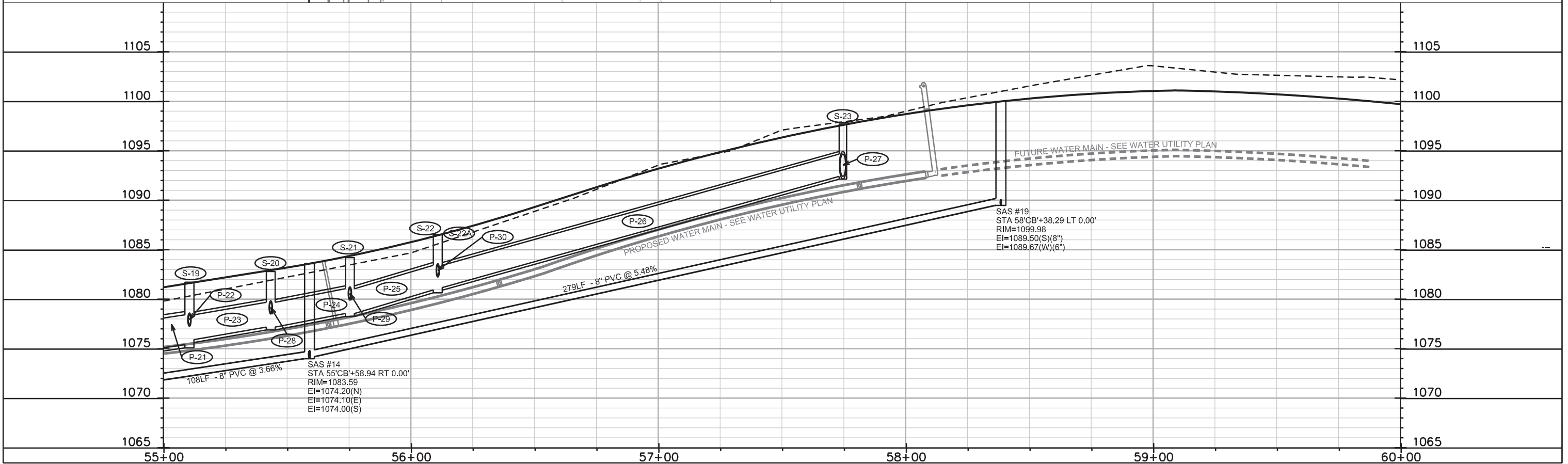
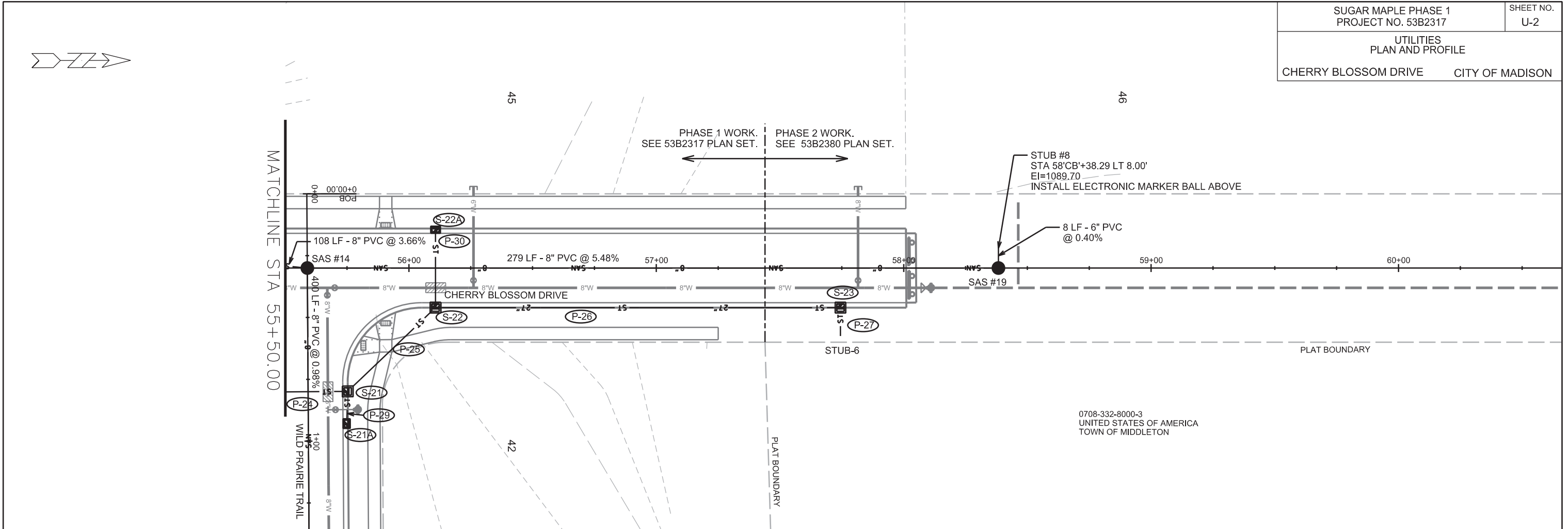


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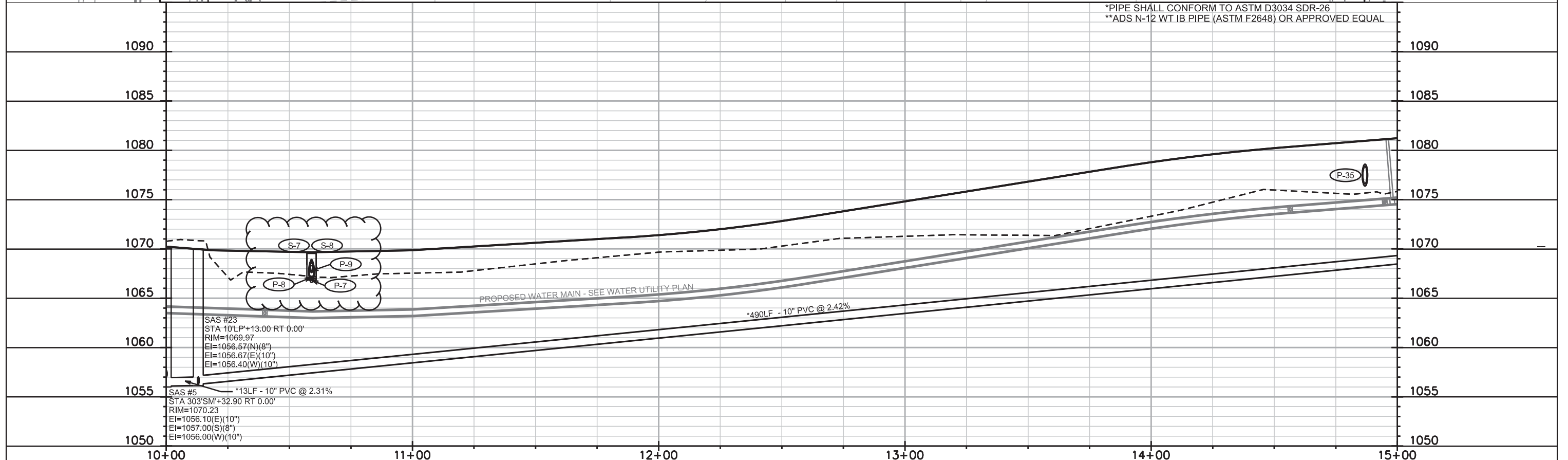
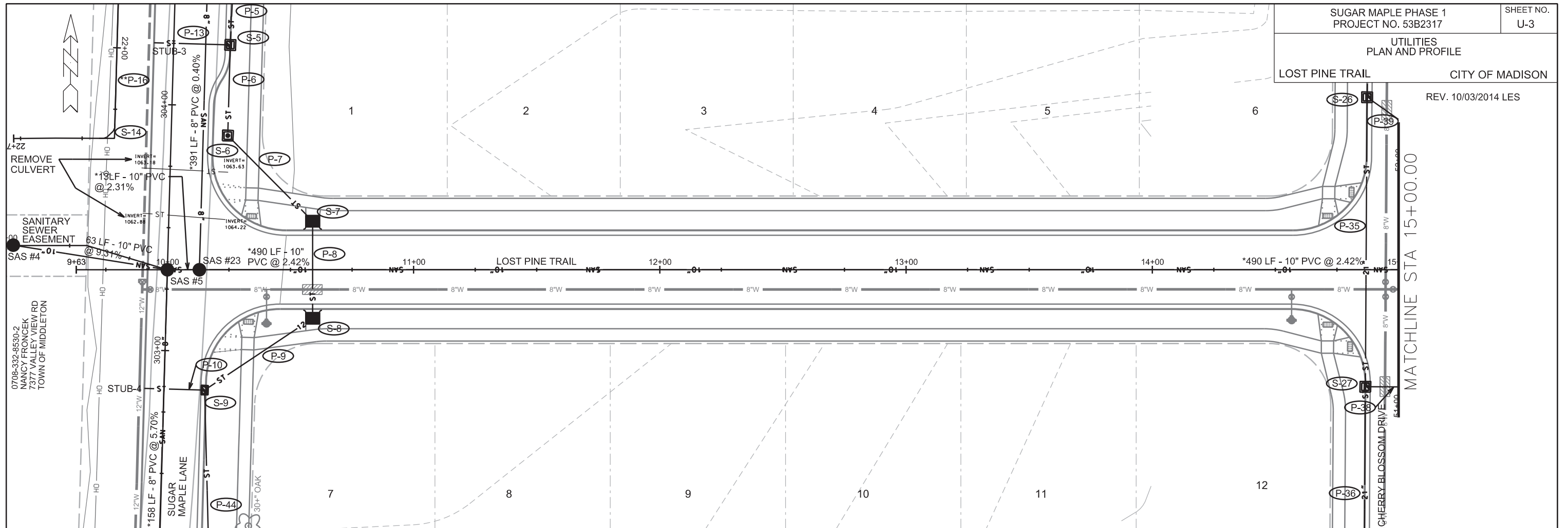


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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

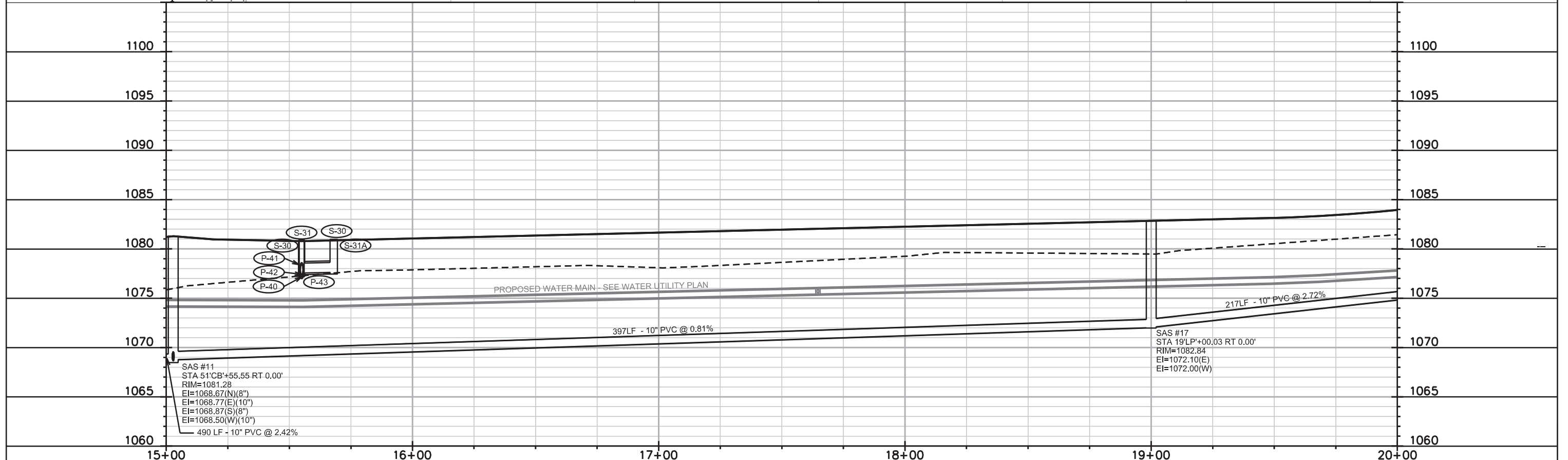
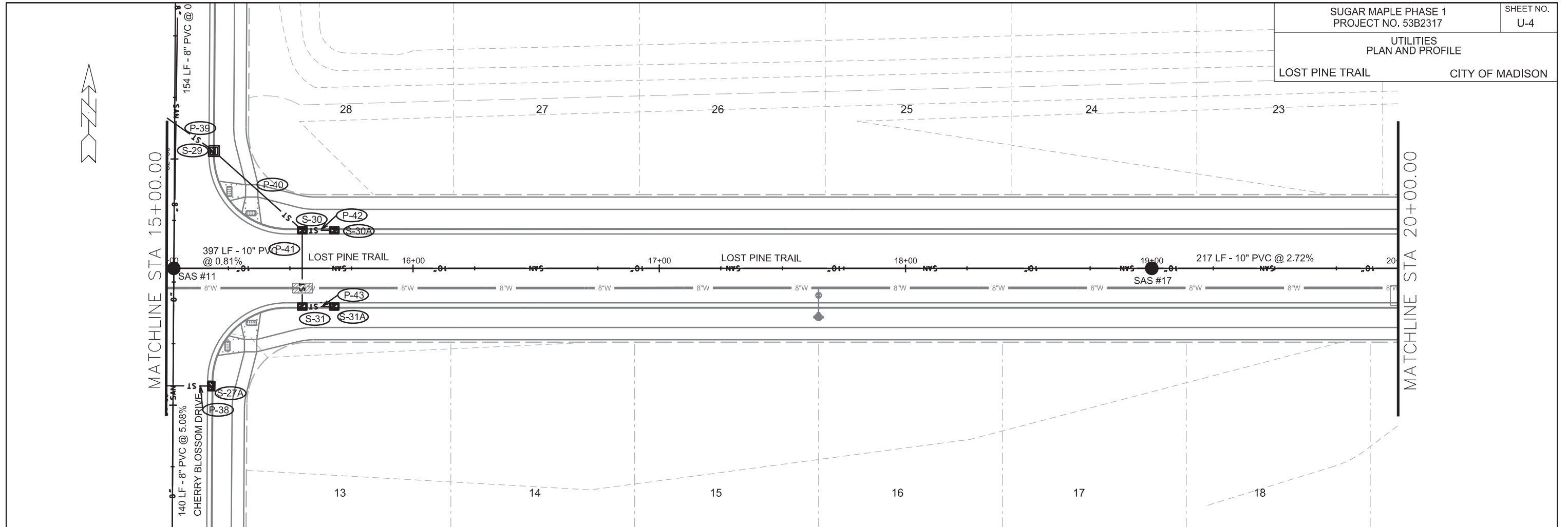


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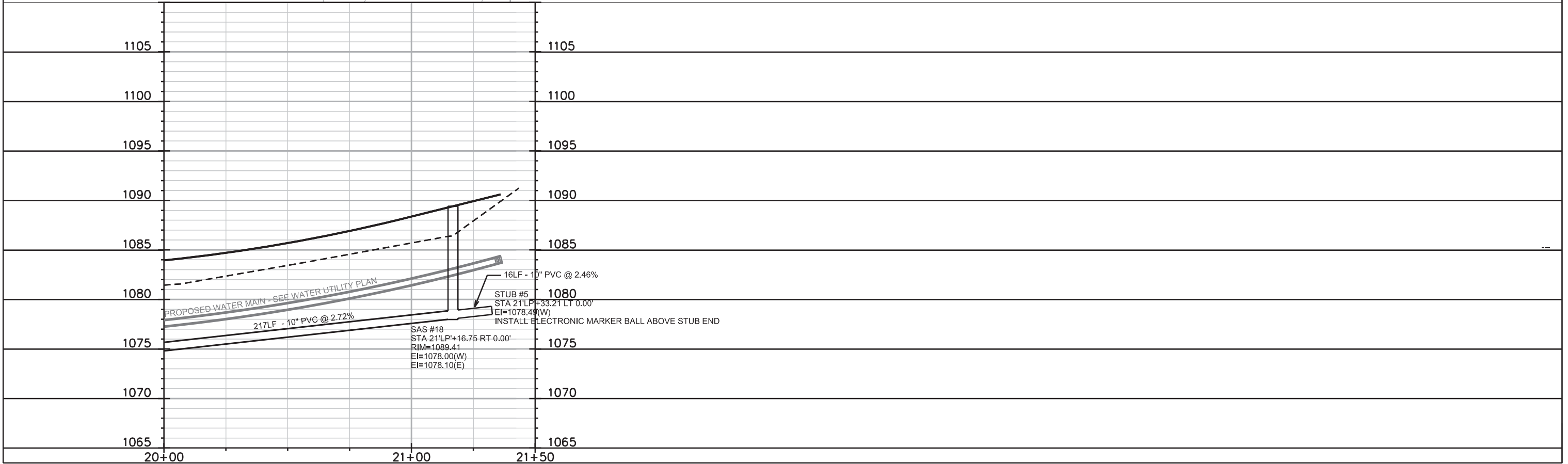
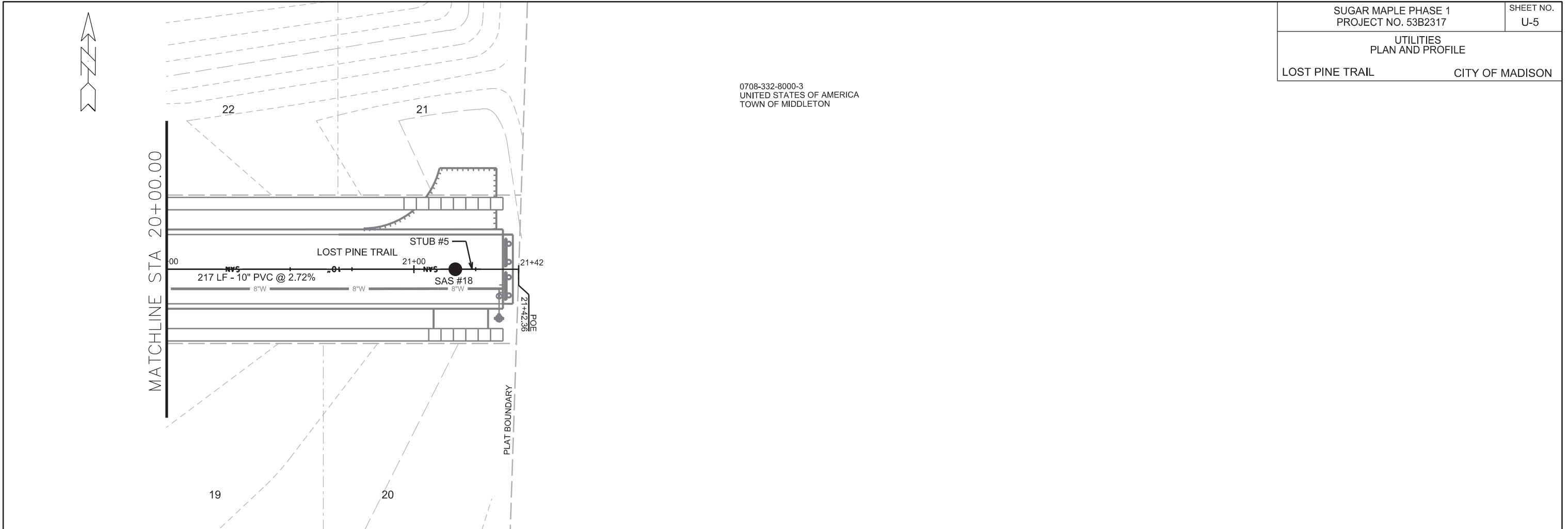
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0708-332-8000-3  
UNITED STATES OF AMERICA  
TOWN OF MIDDLETON



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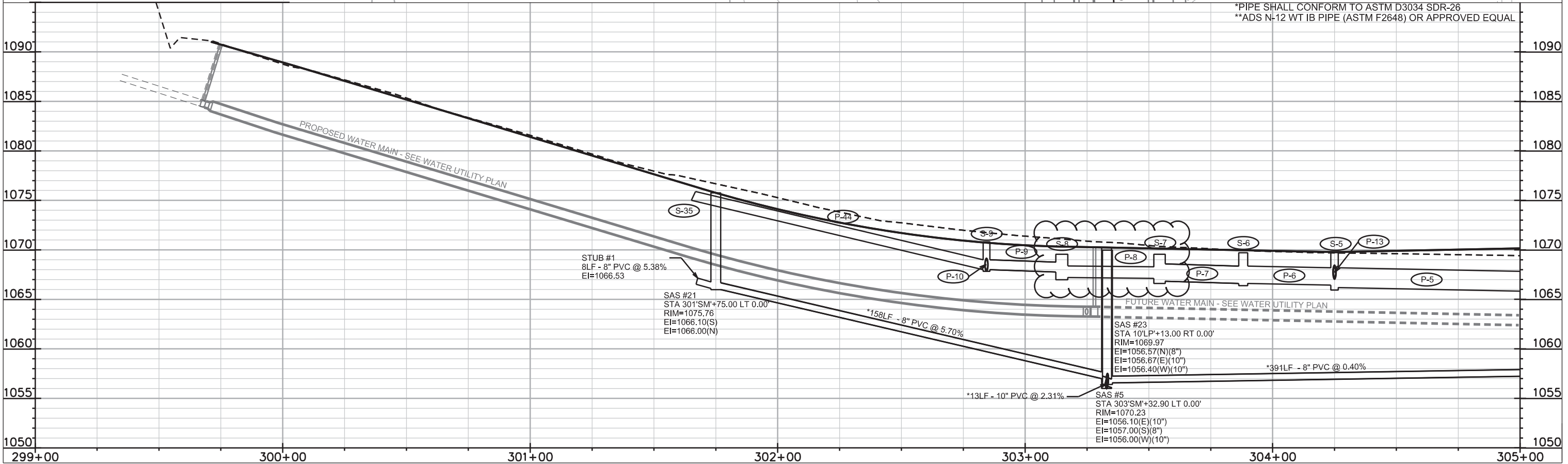
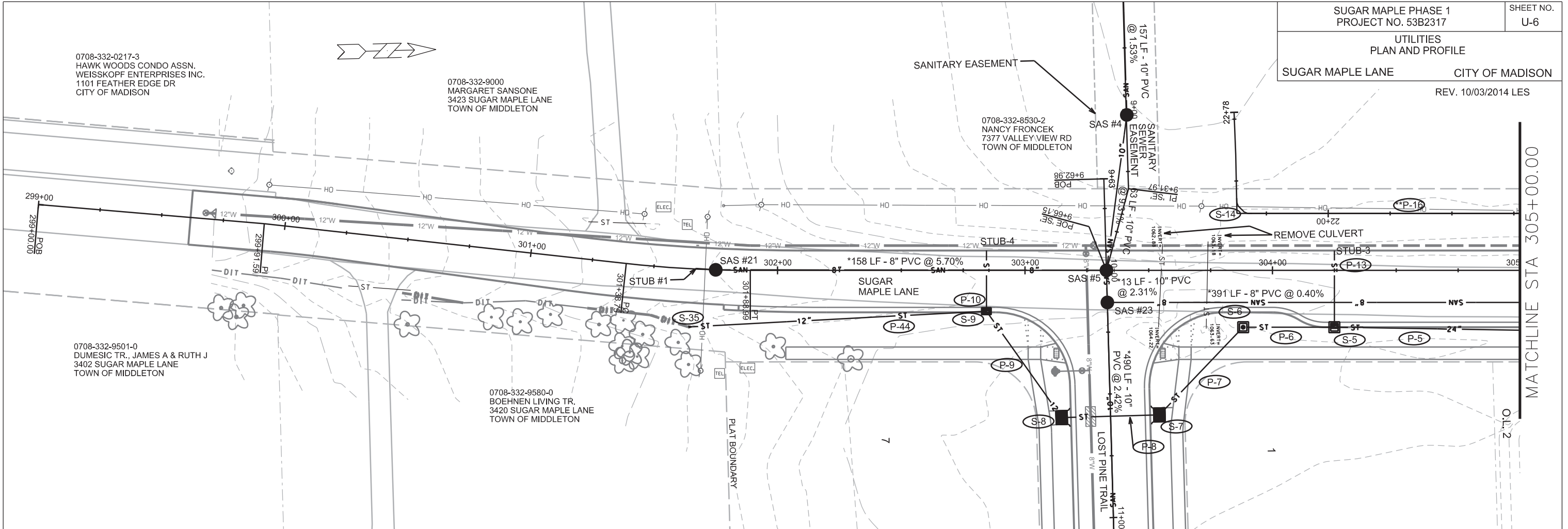
0708-332-0217-3  
HAWK WOODS CONDO ASSN.  
WEISSKOPF ENTERPRISES INC.  
1101 FEATHER EDGE DR  
CITY OF MADISON

0708-332-9000  
MARGARET SANSONE  
3423 SUGAR MAPLE LANE  
TOWN OF MIDDLETON

0708-332-8530-2  
NANCY FRONCEK  
7377 VALLEY VIEW RD  
TOWN OF MIDDLETON

0708-332-9501-0  
DUMESIC TR., JAMES A & RUTH J  
3402 SUGAR MAPLE LANE  
TOWN OF MIDDLETON

0708-332-9580-0  
BOEHNEN LIVING TR.  
3420 SUGAR MAPLE LANE  
TOWN OF MIDDLETON



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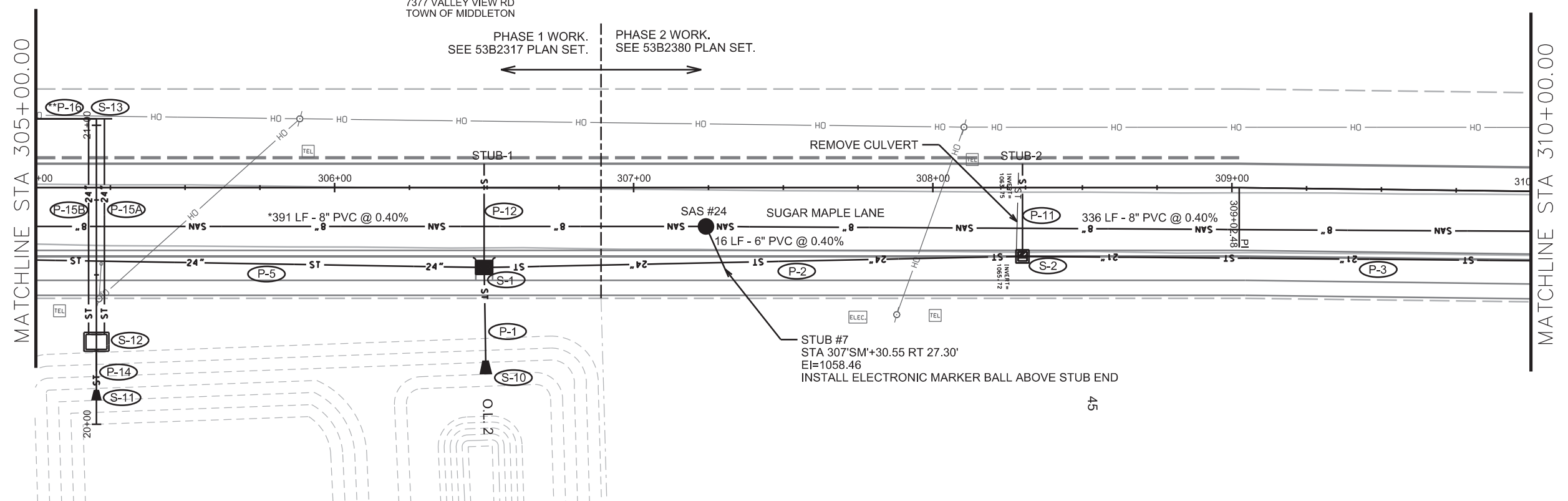




0708-332-8530-2  
NANCY FRONCEK  
7377 VALLEY VIEW RD  
TOWN OF MIDDLETON

PHASE 1 WORK.  
SEE 53B2317 PLAN SET.

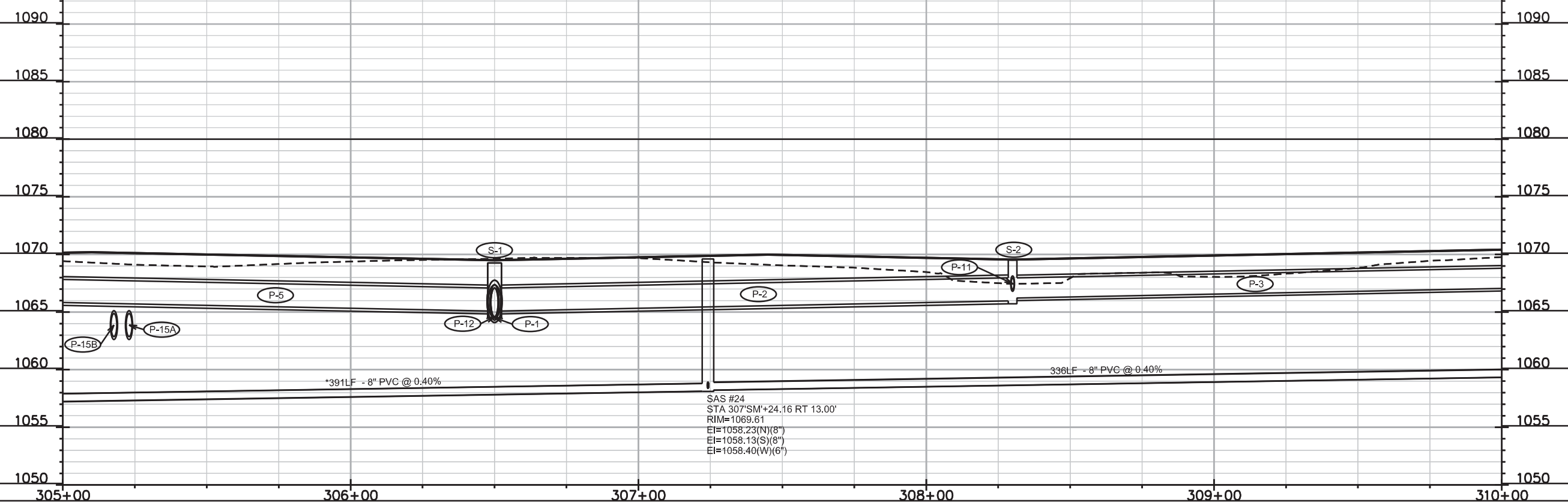
PHASE 2 WORK.  
SEE 53B2380 PLAN SET.



STUB #7  
STA 307'SM'+30.55 RT 27.30'  
EI=1058.46  
INSTALL ELECTRONIC MARKER BALL ABOVE STUB END

45

\*PIPE SHALL CONFORM TO ASTM D3034 SDR-26  
\*\*ADS N-12 WT IB PIPE (ASTM F2648) OR APPROVED EQUAL



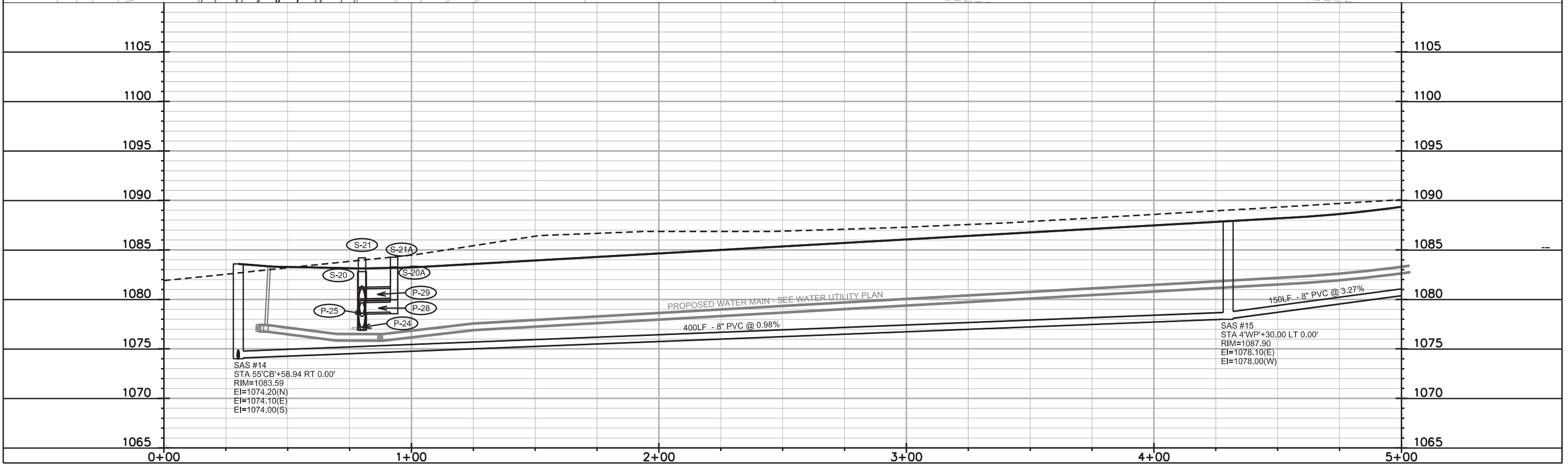
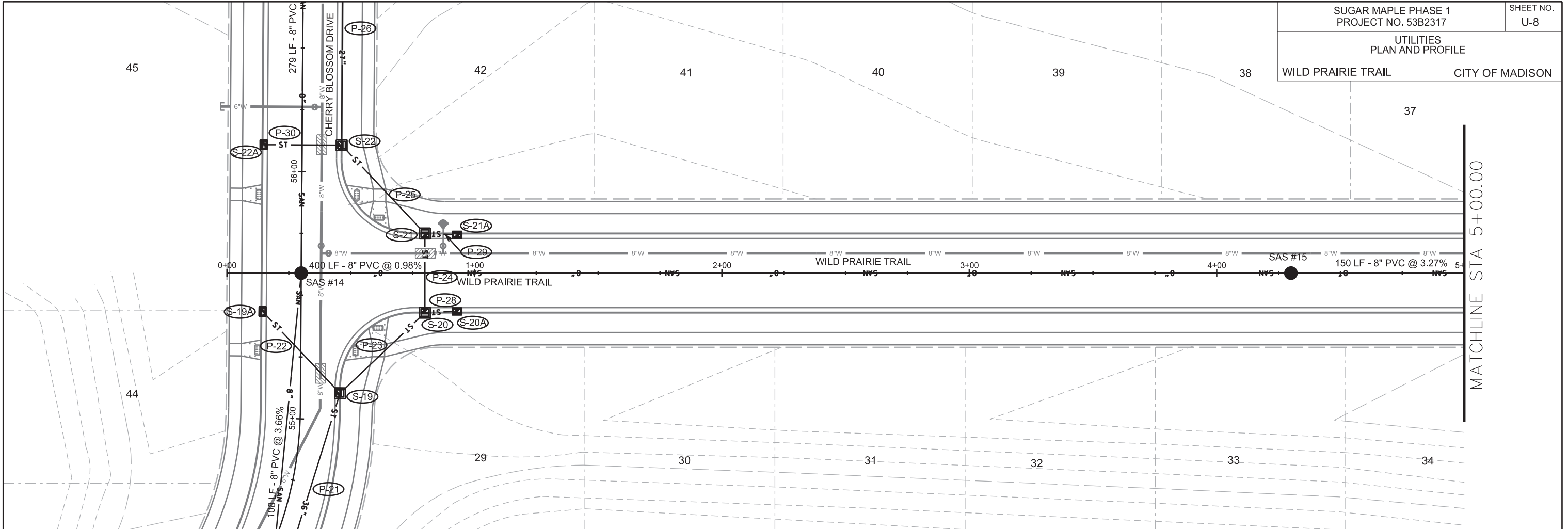
SAS #24  
STA 307'SM'+24.16 RT 13.00'  
RIM=1069.61  
EI=1058.23(N)(8")  
EI=1058.13(S)(8")  
EI=1058.40(W)(6")

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SAS #14  
STA 55'CB'+58.94 RT 0.00'  
RIM=1083.59  
EI=1074.20(N)  
EI=1074.10(E)  
EI=1074.00(S)

SAS #15  
STA 4'WP'+30.00 LT 0.00'  
RIM=1087.90  
EI=1078.10(E)  
EI=1078.00(W)

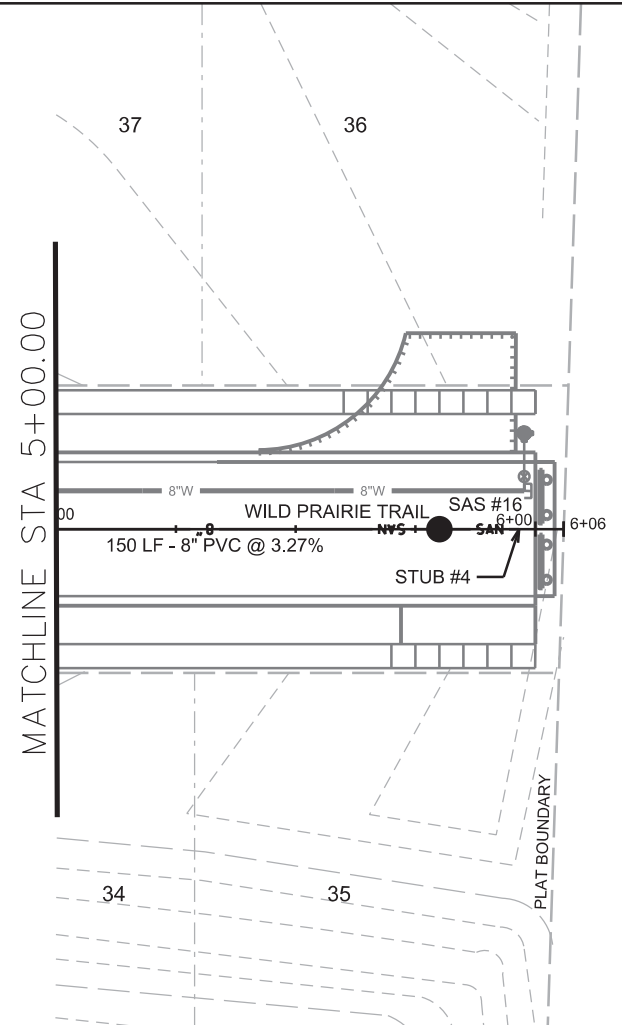
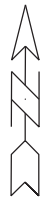
MATCHLINE STA 5+00.00

PLOT SCALE: \_\_\_\_\_

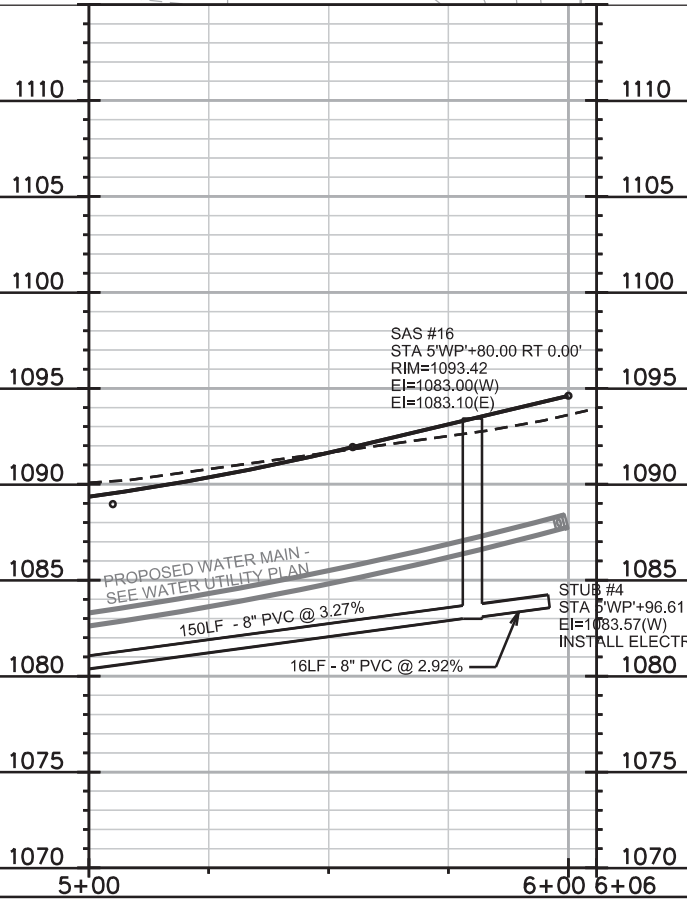
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



0708-332-8000-3  
UNITED STATES OF AMERICA  
TOWN OF MIDDLETON



SAS #16  
STA 5'WP'+80.00 RT 0.00'  
RIM=1093.42  
EI=1083.00(W)  
EI=1083.10(E)

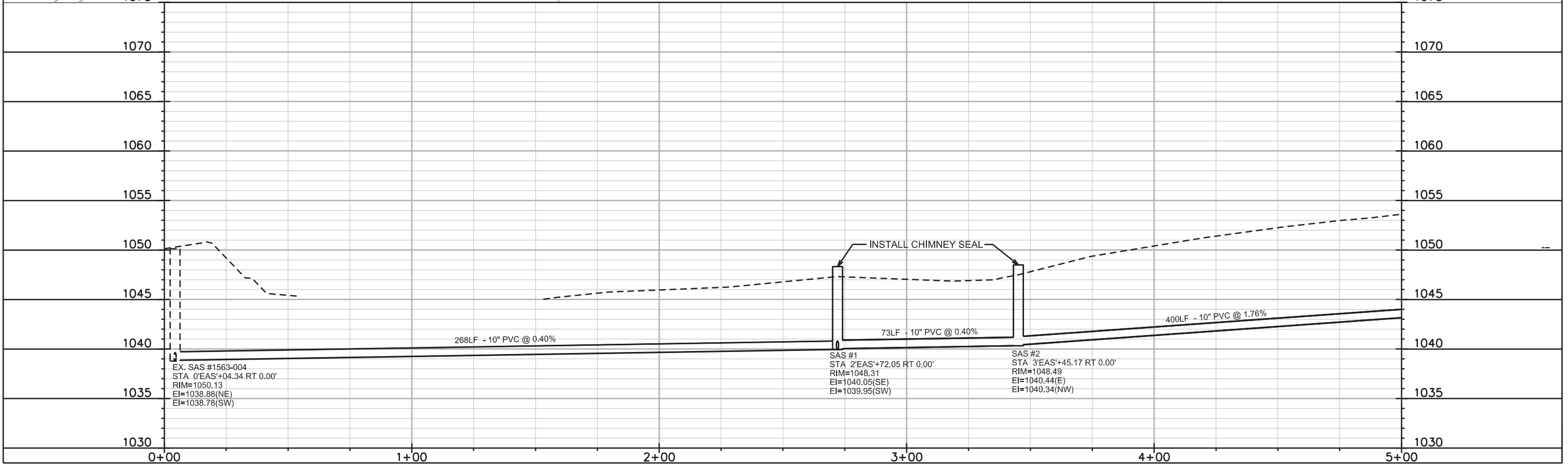
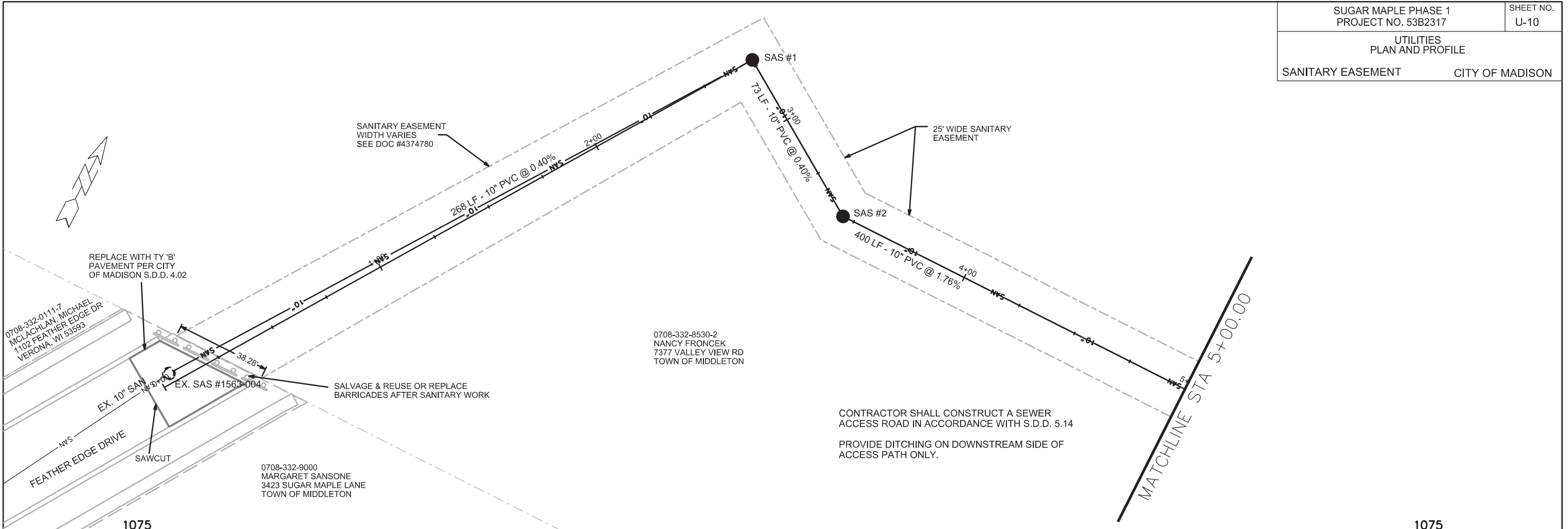
STUB #4  
STA 5'WP'+96.61 RT 0.00'  
EI=1083.57(W)  
INSTALL ELECTRONIC MARKER BALL ABOVE STUB END

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: \_\_\_\_\_

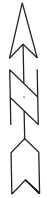
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

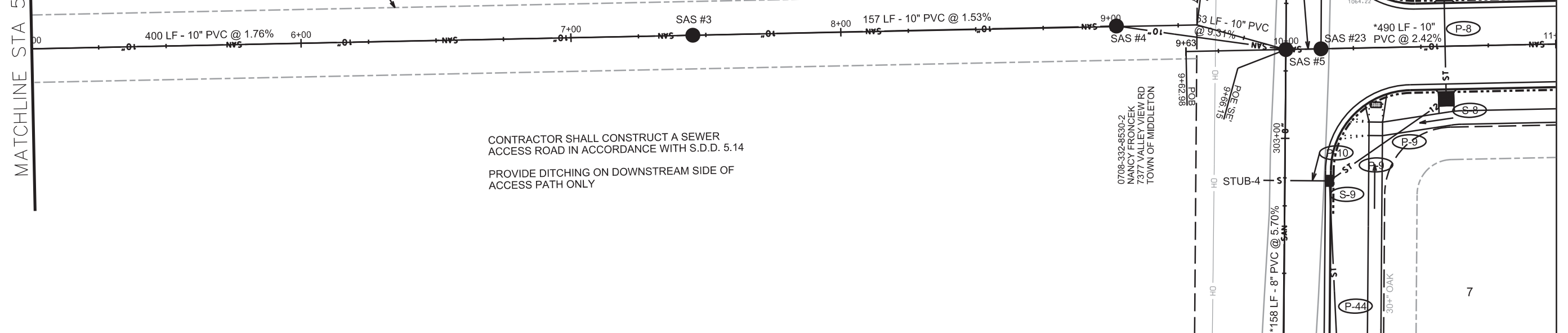
UTILITIES  
PLAN AND PROFILE

SANITARY EASEMENT CITY OF MADISON



MATCHLINE STA 5+00.00

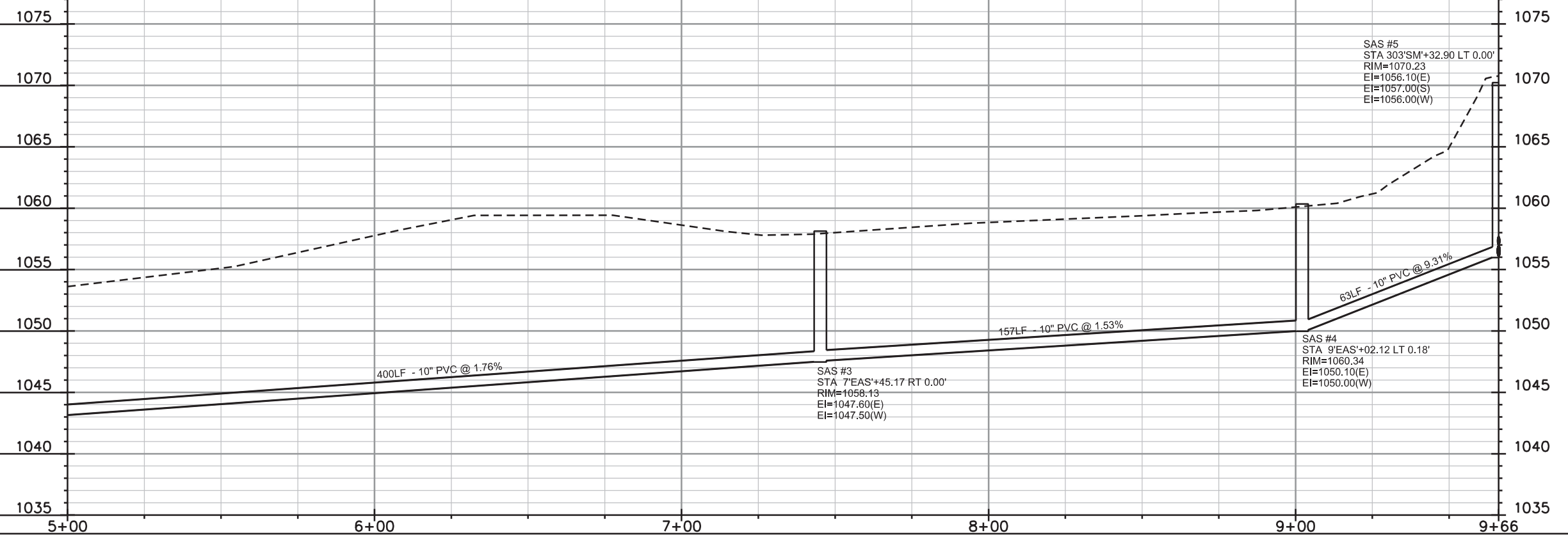
25' WIDE SANITARY  
EASEMENT  
SEE DOC #4374780



CONTRACTOR SHALL CONSTRUCT A SEWER  
ACCESS ROAD IN ACCORDANCE WITH S.D.D. 5.14  
PROVIDE DITCHING ON DOWNSTREAM SIDE OF  
ACCESS PATH ONLY

0708-332-8630-2  
NANCY FRONCEK  
7377 VALLEY VIEW RD  
TOWN OF MIDDLETON

\*PIPE SHALL CONFORM TO ASTM D3034 SDR-26  
\*\*ADS N-12 WT IB PIPE (ASTM F2648) OR APPROVED EQUAL

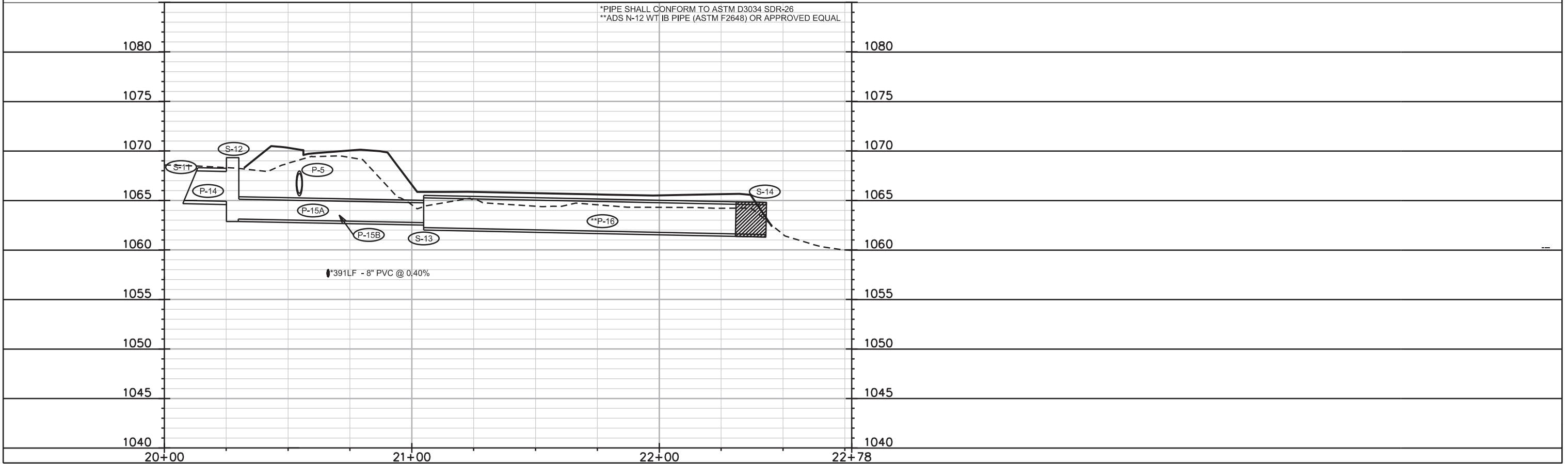
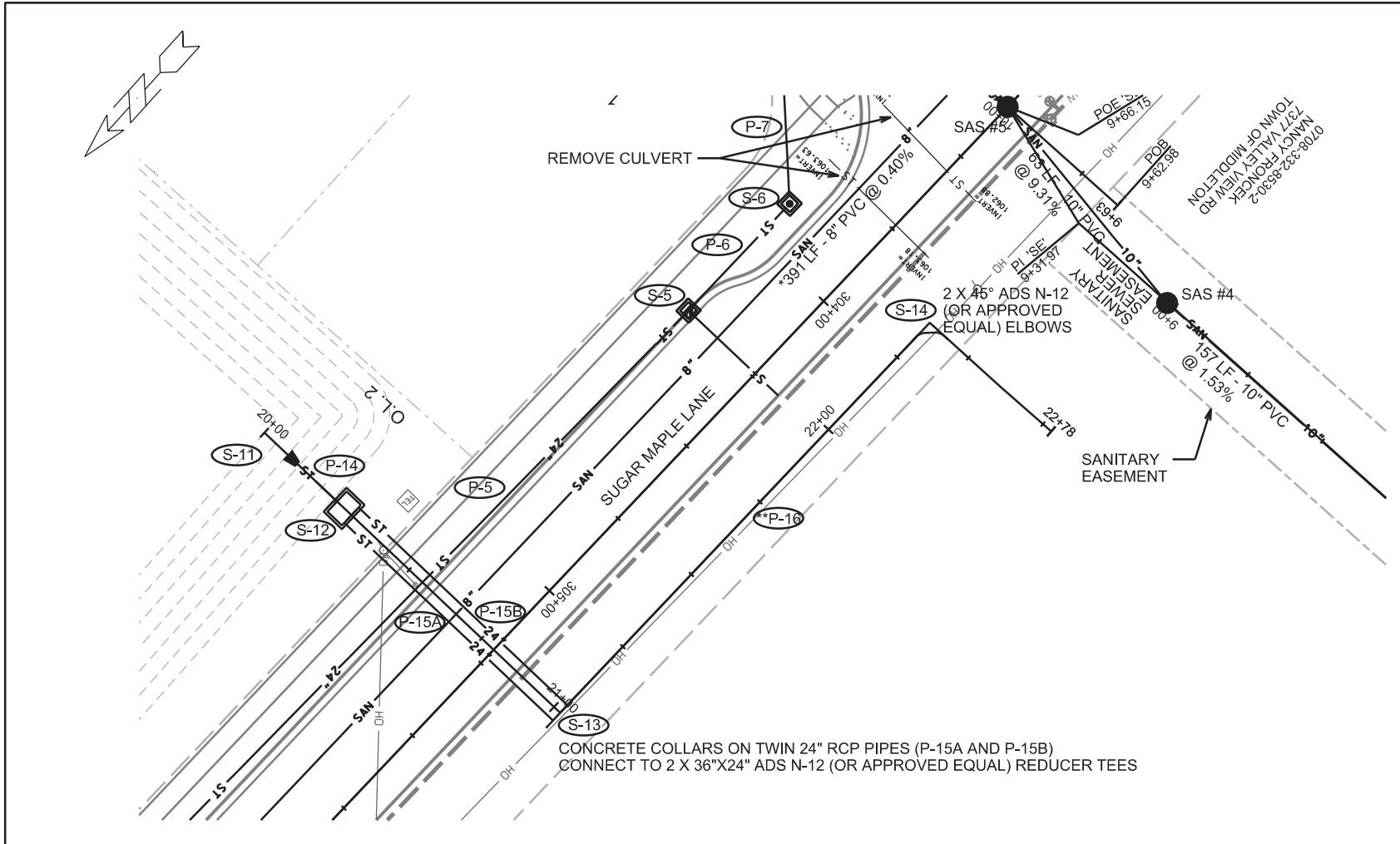


PLOT SCALE: \_\_\_\_\_

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:

'AO'- ANCIENT OAK LANE  
 'SM'- SUGAR MAPLE LANE  
 'CB'- CHERRY BLOSSOM DRIVE  
 'EAS'- SANITARY EASEMENT  
 'LP'- LOST PINE TRAIL  
 'WP'- WILD PRAIRIE TRAIL

SUGAR MAPLE PHASE 1  
 PROJECT NO. 53B2317

SHEET NO.  
 U-13

SANITARY SEWER SCHEDULE

CITY OF MADISON

### PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	2'EAS'+72.05	RT-0.00	1048.31	1039.95	8.36	INSTALL CHIMNEY SEAL
SAS#2	3'EAS'+45.17	RT-0.00	1048.49	1040.34	8.15	INSTALL CHIMNEY SEAL
SAS#3	7'EAS'+45.17	RT-0.00	1058.13	1047.50	10.63	
SAS#4	9'EAS'+02.12	LT-0.18	1060.34	1050.00	10.34	
SAS#5	303'SM'+32.90	RT-0.00	1070.23	1056.00	14.23	
SAS#6	310'SM'+60.82	RT-13.00	1070.52	1059.58	10.94	
SAS#7	310'SM'+60.82	LT-0.00	1070.78	1059.73	11.05	
<del>SAS#8</del>	<del>312'SM'+80.30</del>	<del>LT-10.54</del>	<del>1081.44</del>	<del>1070.00</del>	<del>11.44</del>	FUTURE WORK
<del>SAS#9</del>	<del>33'AO'+00.09</del>	<del>LT-0.02</del>	<del>1085.42</del>	<del>1074.00</del>	<del>11.42</del>	FUTURE WORK
<del>SAS#10</del>	<del>35'AO'+51.32</del>	<del>RT-0.00</del>	<del>1099.50</del>	<del>1089.00</del>	<del>10.50</del>	FUTURE WORK
SAS#11	51'CB'+55.55	RT-0.00	1081.28	1068.50	12.78	
SAS#12	53'CB'+09.52	LT-0.00	1077.59	1069.28	8.31	
SAS#13	54'CB'+50.00	RT-0.00	1079.20	1069.94	9.26	
SAS#14	55'CB'+58.94	RT-0.00	1083.59	1074.00	9.59	
SAS#15	4'WP'+30.00	LT-0.00	1087.90	1078.00	9.90	
SAS#16	5'WP'+80.00	RT-0.00	1093.42	1083.00	10.42	
SAS#17	19'LP'+00.03	RT-0.00	1082.84	1072.00	10.84	
SAS#18	21'LP'+16.75	RT-0.00	1089.41	1078.00	11.41	
SAS#19	58'CB'+38.29	LT-0.00	1099.98	1089.50	10.48	
SAS#20	50'CB'+15.09	RT-0.00	1086.36	1076.00	10.36	
SAS#21	301'SM'+75.00	LT-0.00	1075.76	1066.00	9.76	
SAS#22	299'SM'+75.00	RT-6.00	1090.61	1080.00	10.61	
SAS#23	10'LP'+13.00	RT-0.00	1069.97	1059.58	10.39	
SAS#24	307'SM'+24.16	RT-13.00	1069.61	1056.40	13.21	
<del>SAS#25</del>	<del>314'SM'+72.21</del>	<del>LT-10.77</del>	<del>1094.26</del>	<del>1082.00</del>	<del>12.26</del>	FUTURE WORK

### PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX.SAS#1563-004	SAS#1	1038.88	1039.95	268	0.40%	10"	SDR-35	PER ASTM D3034
SAS#1	SAS#2	1040.05	1040.34	73	0.40%	10"	SDR-35	PER ASTM D3034
SAS#2	SAS#3	1040.44	1047.50	400	1.76%	10"	SDR-35	PER ASTM D3034
SAS#3	SAS#4	1047.60	1050.00	157	1.53%	10"	SDR-35	PER ASTM D3034
SAS#4	SAS#5	1050.10	1056.00	63	9.31%	10"	SDR-35	PER ASTM D3034
SAS#24	SAS#6	1058.23	1059.58	336	0.40%	8"	SDR-35	PER ASTM D3034
SAS#6	SAS#7	1059.68	1059.73	13	0.40%	8"	SDR-35	PER ASTM D3034
<del>SAS#7</del>	<del>SAS#8</del>	<del>1059.83</del>	<del>1070.00</del>	<del>219</del>	<del>4.64%</del>	<del>8"</del>	<del>SDR-35</del>	<del>FUTURE WORK</del>
<del>SAS#8</del>	<del>SAS#9</del>	<del>1070.10</del>	<del>1074.00</del>	<del>300</del>	<del>1.30%</del>	<del>8"</del>	<del>SDR-35</del>	<del>FUTURE WORK</del>
<del>SAS#9</del>	<del>SAS#10</del>	<del>1074.10</del>	<del>1089.00</del>	<del>251</del>	<del>5.93%</del>	<del>8"</del>	<del>SDR-35</del>	<del>FUTURE WORK</del>
<del>SAS#8</del>	<del>SAS#25</del>	<del>1070.20</del>	<del>1082.00</del>	<del>192</del>	<del>6.15%</del>	<del>8"</del>	<del>SDR-35</del>	<del>FUTURE WORK</del>
SAS#23	SAS#11	1056.67	1068.50	490	2.42%	10"	SDR-26	PER ASTM D3034
SAS#11	SAS#12	1068.67	1069.28	154	0.40%	8"	SDR-35	PER ASTM D3034
SAS#12	SAS#13	1069.38	1069.94	139	0.40%	8"	SDR-35	PER ASTM D3034
SAS#13	SAS#14	1070.04	1074.00	108	3.66%	8"	SDR-35	PER ASTM D3034
SAS#14	SAS#15	1074.10	1078.00	400	0.98%	8"	SDR-35	PER ASTM D3034
SAS#15	SAS#16	1078.10	1083.00	150	3.27%	8"	SDR-35	PER ASTM D3034
SAS#11	SAS#17	1068.77	1072.00	397	0.81%	10"	SDR-35	PER ASTM D3034
SAS#17	SAS#18	1072.10	1078.00	217	2.72%	10"	SDR-35	PER ASTM D3034
SAS#14	SAS#19	1074.20	1089.50	279	5.48%	8"	SDR-35	PER ASTM D3034
SAS#11	SAS#20	1068.87	1076.00	140	5.08%	8"	SDR-35	PER ASTM D3034
SAS#5	SAS#21	1057.00	1066.00	158	5.70%	8"	SDR-26	PER ASTM D3034
SAS#21	SAS#22	1066.10	1080.00	200	6.95%	8"	SDR-35	PER ASTM D3034
SAS#5	SAS#23	1056.10	1056.40	13	2.31%	10"	SDR-26	PER ASTM D3034
SAS#23	SAS#24	1056.57	1058.13	391	0.40%	8"	SDR-26	PER ASTM D3034
SAS#22	STUB#1	1080.10	1080.36	6	4.57%	8"	SDR-35	PER ASTM D3034
<del>SAS#25</del>	<del>STUB#2</del>	<del>1082.10</del>	<del>1082.48</del>	<del>8</del>	<del>4.80%</del>	<del>8"</del>	<del>SDR-35</del>	<del>FUTURE WORK</del>
SAS#20	STUB#3	1076.10	1076.52	10	4.19%	8"	SDR-35	PER ASTM D3034
SAS#16	STUB#4	1083.10	1083.57	16	2.92%	8"	SDR-35	PER ASTM D3034
SAS#18	STUB#5	1078.10	1078.49	16	2.46%	10"	SDR-35	PER ASTM D3034
SAS#10	STUB#6	1089.10	1090.43	24	5.54%	8"	SDR-35	PER ASTM D3034
SAS#24	STUB#7	1058.40	1058.46	16	0.40%	6"	SDR-35	PER ASTM D3034
SAS#19	STUB#8	1089.67	1089.70	8	0.40%	6"	SDR-35	PER ASTM D3034
SAS#7	STUB#9	1059.93	1060.06	33	0.40%	8"	SDR-35	PER ASTM D3034
<del>SAS#8</del>	<del>STUB#10</del>	<del>1070.30</del>	<del>1070.43</del>	<del>33</del>	<del>0.40%</del>	<del>8"</del>	<del>SDR-35</del>	<del>FUTURE WORK</del>
SAS#7	STUB#11	1059.83	1061.15	30	4.40%	8"	SDR-35	PER ASTM D3034

### PROPOSED SANITARY PIPE STUBS

STUB NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
STUB#1	299'SM'+69.31	RT-6.00	--	1080.36	--	
<del>STUB#2</del>	<del>314'SM'+79.74</del>	<del>RT-0.00</del>	--	<del>1082.48</del>	--	FUTURE WORK
STUB#3	50'CB'+05.02	RT-0.00	--	1076.52	--	
STUB#4	5'WP'+96.61	RT-0.00	--	1083.57	--	
STUB#5	21'LP'+33.21	LT-0.00	--	1078.49	--	
STUB#6	35'AO'+75.32	LT-0.00	--	1090.43	--	
STUB#7	307'SM'+30.55	RT-27.30	--	1058.13	--	
STUB#8	58'CB'+38.29	LT-8.00	--	1089.70	--	
STUB#9	310'SM'+60.82	LT-33.00	--	1059.80	--	
<del>STUB#10</del>	<del>312'SM'+80.30</del>	<del>LT-43.54</del>	--	<del>1070.42</del>	--	FUTURE WORK
STUB#11	310'SM'+90.75	LT-1.31	--	1061.15	--	

NOTE: Sanitary sewer schedule is for Sugar Maple Phase 1 and Phase 2.

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

# STORM SEWER SCHEDULE

## ALIGNMENT CODES:

'AO'- ANCIENT OAK LANE  
 'SM'- SUGAR MAPLE LANE  
 'CB'- CHERRY BLOSSOM DRIVE  
 'EAS'- SANITARY EASEMENT  
 'LP'- LOST PINE TRAIL  
 'WP'- WILD PRAIRIE TRAIL

SUGAR MAPLE PHASE 1  
 PROJECT NO. 53B2317

SHEET NO.  
 U-14

STORM SEWER SCHEDULE

CITY OF MADISON

REV. 4/3/2015 LES

### PROPOSED STORM STRUCTURES

STRUC NO.	STATION	LOCATION TYPE (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES	
S-1	306'SM'+50.00	RT-26.75	TERRACE INLET TYPE II	1069.26	1064.51	4.75	FP; PER S.D.D. 5.7.12A
S-2	308'SM'+30.00	RT-23.00	3X3 SAS	1069.51	1065.97	3.54	FP; W/ R-3067-7004-V
*S-3	310'SM'+66.58	RT-22.90	45° ELBOW	-	1067.39	-	FP
S-4	310'SM'+73.77	RT-29.26	21-IN RCP APRON ENDWALL W/ GATE	1068.00	1068.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-5	304'SM'+25.00	RT-23.00	3X3 SAS	1069.73	1066.19	3.54	FP; W/ R-3067-7004-V
S-6	303'SM'+88.12	RT-23.00	3X3 SAS	1069.70	1066.61	3.09	FP; W/ R-1550-0054
S-7	10'LP'+59.00	LT-19.75	TERRACE INLET TYPE II	1069.55	1066.83	2.72	FP; PER S.D.D. 5.7.12A; REINFORCE CURB & GUTTER
S-8	10'LP'+59.00	RT-19.75	TERRACE INLET TYPE II	1069.55	1067.21	2.34	FP; PER S.D.D. 5.7.12A; REINFORCE CURB & GUTTER
S-9	302'SM'+84.39	RT-16.50	H INLET	1070.80	1068.00	2.79	FP; W/ R-3067-7004-V
S-10	306'SM'+50.93	RT-84.47	34X53-IN RCP APRON ENDWALL W/ GATE	1064.00	1064.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-11	305'SM'+20.37	RT-71.18	36-IN RCP APRON ENDWALL W/ GATE	1065.00	1065.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-12	305'SM'+20.37	RT-51.59	5X7 SAS	1069.31	1063.12	6.19	W/ R-1550-0054
S-13	305'SM'+20.37	LT-23.00	CONNECTION STRUCTURE	1062.76	1062.26	0.50	SEE NOTE ON PLAN SET
*S-14	303'SM'+85.56	LT-23.00	2 X ADS 45° ELBOW (WT)	-	1061.58	-	INCIDENTAL TO PIPE LENGTH
S-15	303'SM'+85.56	LT-34.40	36-IN PLASTIC APRON ENDWALL W/ GATE	1061.54	1061.54	0.00	ADS N-12 WT IB (ASTM F2648)
S-16	53'CB'+53.00	LT-19.75	TERRACE INLET TYPE II	1077.00	1070.33	6.67	FP; PER S.D.D. 5.7.12A
S-17	53'CB'+53.00	RT-19.75	TERRACE INLET TYPE II	1077.00	1071.01	5.99	FP; PER S.D.D. 5.7.12A
S-18	54'CB'+10.47	RT-16.00	3X3 SAS	1078.05	1071.76	6.29	W/ R-3067-7004-V
S-19	55'CB'+10.42	RT-16.00	3X3 SAS	1081.72	1075.43	6.29	W/ R-3067-7004-V
S-19A	55'CB'+43.31	LT-15.50	H INLET	1083.03	1079.70	3.33	W/ R-3067-7004-V
S-20	0'WP'+80.00	RT-16.00	3X3 SAS	1082.80	1077.17	5.63	W/ R-3067-7004-V
S-20A	0'WP'+93.00	RT-15.50	H INLET	1083.28	1078.72	4.55	W/ R-3067-7004-V
S-21	0'WP'+80.00	LT-15.50	3X3 SAS	1084.20	1078.57	5.63	W/ R-3067-7004-V
S-21A	0'WP'+93.00	LT-15.50	H INLET	1084.27	1080.12	4.15	W/ R-3067-7004-V
S-22	56'CB'+10.77	RT-15.50	3X3 SAS	1086.54	1080.91	5.63	W/ R-3067-7004-V
S-22A	56'CB'+10.77	LT-15.50	H INLET	1086.54	1083.21	3.33	W/ R-3067-7004-V
S-23	57'CB'+74.45	RT-16.00	3X3 SAS	1097.70	1092.41	5.29	W/ R-3067-7004-V
S-24	53'CB'+22.66	LT-45.71	3X3 SAS	1074.00	1066.11	7.89	W/ R-1550-0054
S-25	53'CB'+08.05	LT-16.00	3X3 SAS	1077.72	1072.09	5.63	W/ R-3067-7004-V
S-26	52'CB'+25.60	LT-16.00	3X3 SAS	1079.69	1074.40	5.29	W/ R-3067-7004-V
S-27	51'CB'+07.86	LT-16.00	3X3 SAS	1082.54	1077.75	4.79	W/ R-3067-7004-V
S-27A	51'CB'+07.86	RT-15.50	H INLET	1082.54	1079.21	3.33	W/ R-3067-7004-V
S-28	50'CB'+16.50	LT-16.00	3X3 SAS	1086.38	1081.59	4.79	W/ R-3067-7004-V
S-29	52'CB'+03.30	RT-16.00	3X3 SAS	1080.23	1075.77	4.46	W/ R-3067-7004-V
S-30	15'LP'+55.00	LT-15.50	H INLET	1080.88	1077.16	3.72	W/ R-3067-7004-V
S-30A	15'LP'+68.00	LT-15.50	H INLET	1080.96	1077.63	3.33	W/ R-3067-7004-V
S-31	15'LP'+55.00	RT-15.50	H INLET	1080.88	1077.55	3.33	W/ R-3067-7004-V
S-31A	15'LP'+68.00	RT-15.50	H INLET	1080.96	1077.63	3.33	W/ R-3067-7004-V
S-32	53'CB'+18.67	LT-68.71	36-IN RCP APRON ENDWALL W/ GATE	1066.00	1066.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-33	53'CB'+85.21	RT-74.60	24-IN RCP APRON ENDWALL W/ GATE	1068.00	1068.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-34	53'CB'+33.01	LT-73.81	48-IN RCP APRON ENDWALL W/ GATE	1066.00	1066.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-35	301'SM'+65.10	RT-23.55	12-IN RCP APRON ENDWALL W/ GATE	1075.00	1075.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
*S-36	53'CB'+33.07	LT-78.70	24-IN RCP APRON ENDWALL W/ GATE	1065.00	1065.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1 (SEE NOTE 1)
*S-37	53'CB'+91.58	RT-1.16	ADS 45° ELBOW (WT)	-	1065.00	-	INCIDENTAL TO PIPE LENGTH
*S-38	54'CB'+03.55	RT-78.73	24-IN RCP APRON ENDWALL W/ GATE	1065.00	1065.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1 (SEE NOTE 1)

### PROPOSED STORM PIPES

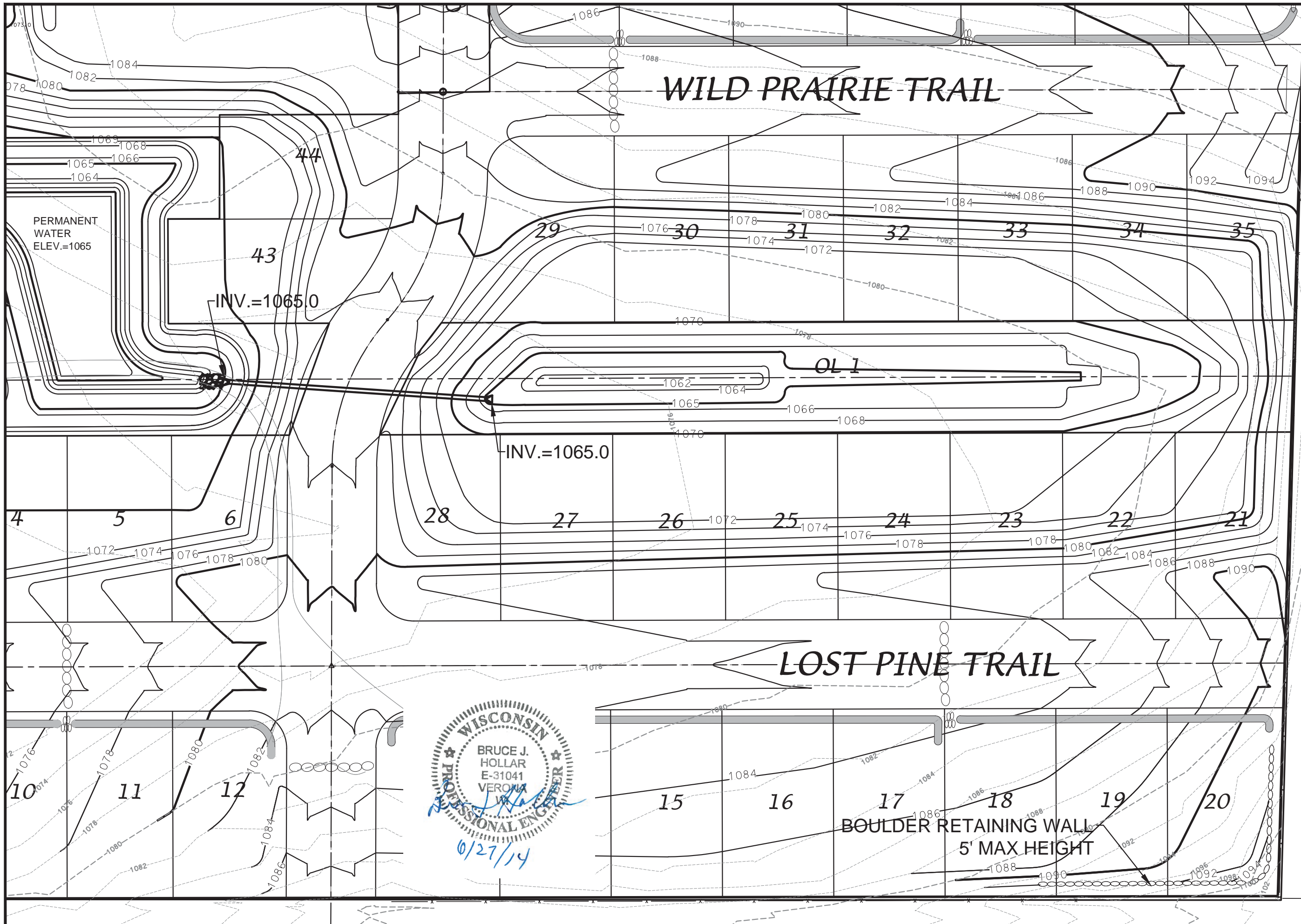
PIPE NO.	FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	PIPE LENGTH (FT)	PLAN LENGTH (FT)	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
P-1	S-10	S-1	1064.00	1064.51	34	36	1.51%	34"x53"	HERCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-2	S-1	S-2	1065.09	1065.97	176	180	0.50%	24"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-3	S-2	S-3	1066.22	1067.39	234	236	0.50%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-4	S-3	S-4	1067.39	1068.00	9	9	6.61%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-5	S-1	S-5	1065.09	1066.19	221	225	0.50%	24"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-6	S-5	S-6	1066.44	1066.61	34	37	0.50%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-7	S-6	S-7	1066.61	1066.83	44	49	0.50%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-8	S-7	S-8	1067.12	1067.21	36	40	0.25%	14"x23"	HERCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-9	S-8	S-9	1067.76	1068.00	49	53	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-10	S-9	STUB-4	1068.00	1068.12	24	25	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-11	S-2	STUB-2	1066.97	1067.11	30	31	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-12	S-1	STUB-1	1064.59	1064.75	33	35	0.50%	30"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-13	S-5	STUB-3	1067.19	1067.34	30	31	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-14	S-12	S-11	1064.91	1065.00	18	20	0.50%	36"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-15A	S-13	S-12	1062.76	1063.12	72	75	0.50%	24"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-15B	S-13	S-12	1062.76	1063.12	72	75	0.50%	24"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-16	S-14	S-13	1061.63	1062.26	126	126	0.50%	36"	PLASTIC	ADS N-12 WT IB PIPE (ASTM F2648) OR APPROVED EQUAL
P-17	S-15	S-14	1061.54	1061.58	7	7	0.97%	36"	PLASTIC	ADS N-12 WT IB PIPE (ASTM F2648) OR APPROVED EQUAL
P-18	S-34	S-16	1066.00	1070.33	58	60	7.49%	48"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-19	S-16	S-17	1070.83	1071.01	36	40	0.50%	42"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-20	S-17	S-18	1071.51	1071.76	50	54	0.50%	36"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-21	S-18	S-19	1071.76	1075.43	105	108	3.50%	36"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-22	S-19	S-19A	1077.43	1079.70	42	46	5.40%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-23	S-19	S-20	1075.93	1077.17	43	47	2.88%	30"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-24	S-20	S-21	1077.17	1078.57	29	32	4.83%	30"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-25	S-21	S-22	1078.57	1080.91	45	49	5.19%	30"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-26	S-22	S-23	1081.16	1092.41	161	164	7.00%	27"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-27	S-23	STUB-6	1092.41	1092.46	10	12	0.55%	27"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-28	S-20	S-20A	1078.67	1078.72	10	13	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-29	S-21	S-21A	1080.07	1080.12	10	13	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-30	S-22	S-22A	1082.41	1083.21	29	32	2.76%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-31	S-32	S-24	1066.00	1066.11	22	24	0.50%	36"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-32	S-24	S-33	1067.11	1068.00	125	126	0.71%	24"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-33	S-24	S-25	1068.54	1072.09	31	35	11.52%	27"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-34	S-25	S-26	1072.09	1074.40	81	84	2.84%	27"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-35	S-26	S-27	1074.90	1077.75	115	118	2.48%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-36	S-27	S-28	1077.75	1081.59	88	91	4.35%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-37	S-28	STUB-5	1081.84	1081.89	10	12	0.50%	18"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-38	S-27	S-27A	1078.50	1079.21	29	32	2.45%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-39	S-26	S-29	1075.15	1075.77	35	39	1.75%	18"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-40	S-29	S-30	1076.02	1077.16	45	48	2.55%	15"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-41	S-30	S-31	1077.41	1077.55	29	31	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-42	S-30	S-30A	1077.41	1077.63	10	13	2.20%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-43	S-31	S-31A	1077.55	1077.63	10	13	0.75%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-44	S-9	S-36	1068.00	1068.59	10	12	5.87%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
*P-45	S-38	S-39	1065.00	1065.00	100	107	0.00%	24"	PLASTIC	ADS N-12 WT IB PIPE (ASTM F2648) OR APPROVED EQUAL
*P-46	S-39	S-40	1065.00	1065.00	72	79	0.00%	24"	PLASTIC	ADS N-12 WT IB PIPE (ASTM F2648) OR APPROVED EQUAL

### PROPOSED STORM PIPE STUBS

STUB NO.	STATION	LOCATION TYPE (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
1	306'SM'+50.00	LT-8.00	STUB	--	1064.75	
2	308'SM'+30.00	LT-8.00	STUB	--	1067.11	
3	304'SM'+25.00	LT-8.00	STUB	--	1067.34	
4	302'SM'+84.39	LT-8.00	STUB	--	1068.12	
5	50'CB'+05.00	LT-16.00	STUB	--	1081.89	
6	57'CB'+74.42	RT-27.50	STUB	--	1092.46	

(1) CONCRETE COLLAR TO BE USED TO ATTACH ENDWALL TO PIPE

NOTE: Storm sewer schedule is for Sugar Maple Phase 1 and Phase 2.



WISCONSIN
   
 BRUCE J. HOLLAR
   
 E-31041
   
 VERONA
   
 PROFESSIONAL ENGINEER
   
 01/27/14

**D'ONOFRIO KOTTKE AND ASSOCIATES, INC.**  
 7530 Westwood Way, Madison, WI 53717  
 Phone: 608.833.7530 • Fax: 608.833.1089  
 YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

SITE GRADING AND EROSION CONTROL PLAN - PHASE 1

SUGAR MAPLE

SUGAR MAPLE LANE  
MADISON, WI

S01° 40' 49" W 739.44'



SCALE: 1" = 30'  
(PAGE SIZE: 22x34)

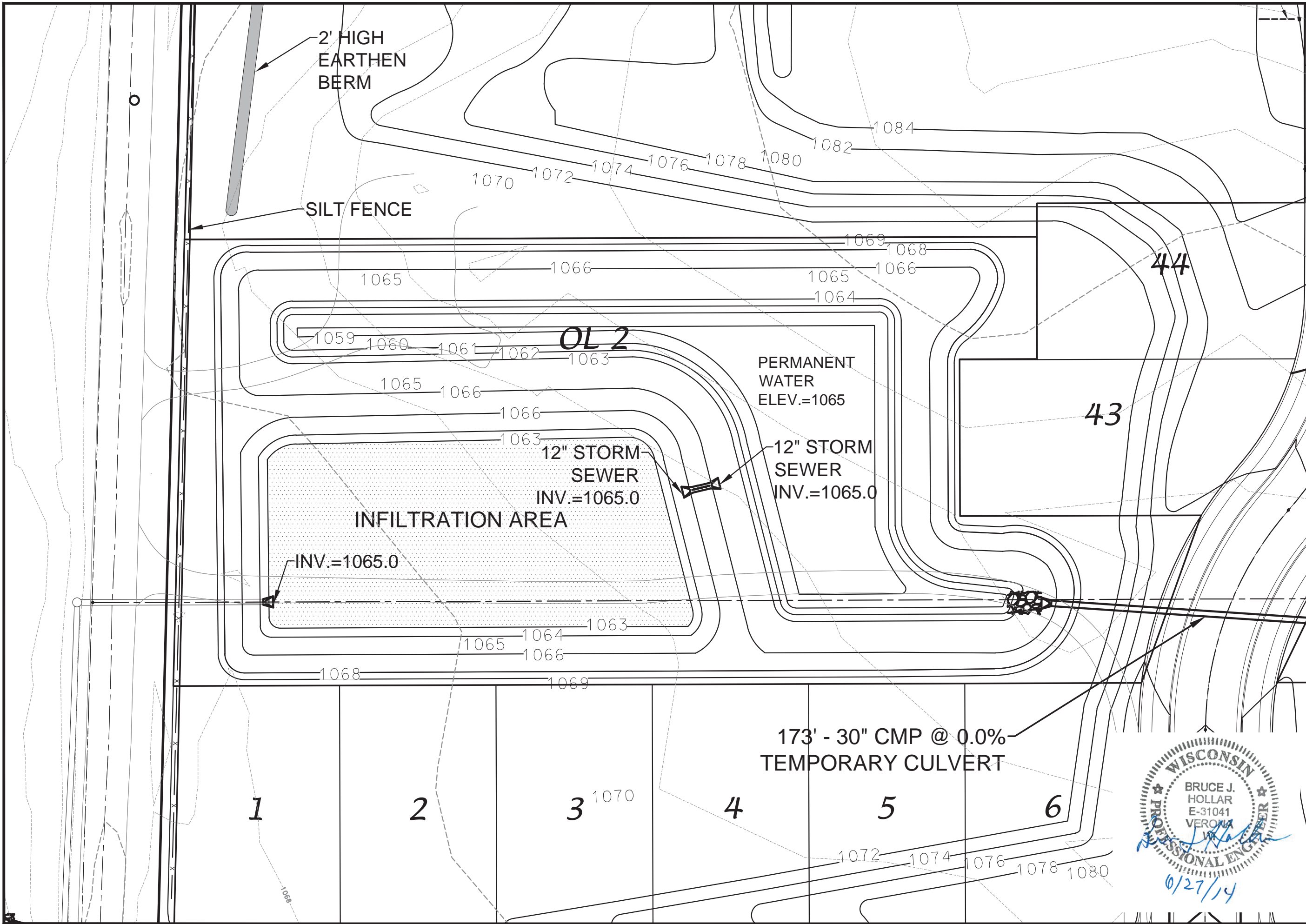
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REVISED:

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FN: 14-05-101

Sheet Number:  
4 OF 9





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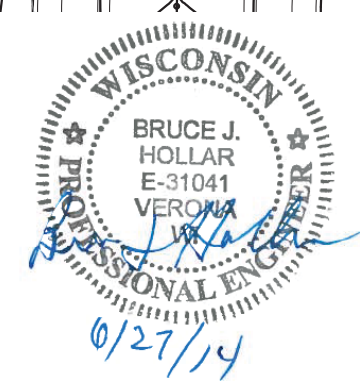
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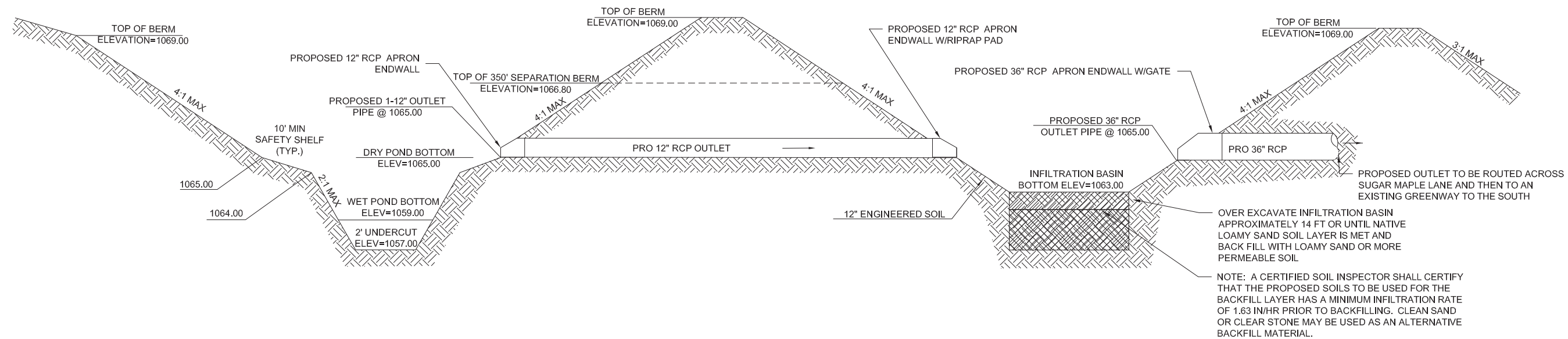
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 REVISED:

DRAWN BY: NGO

FN: 14-05-101

Sheet Number:  
 6 OF 9





**PROFILE VIEW**

**WET DETENTION/INFILTRATION BASIN DETAIL**  
NOT TO SCALE

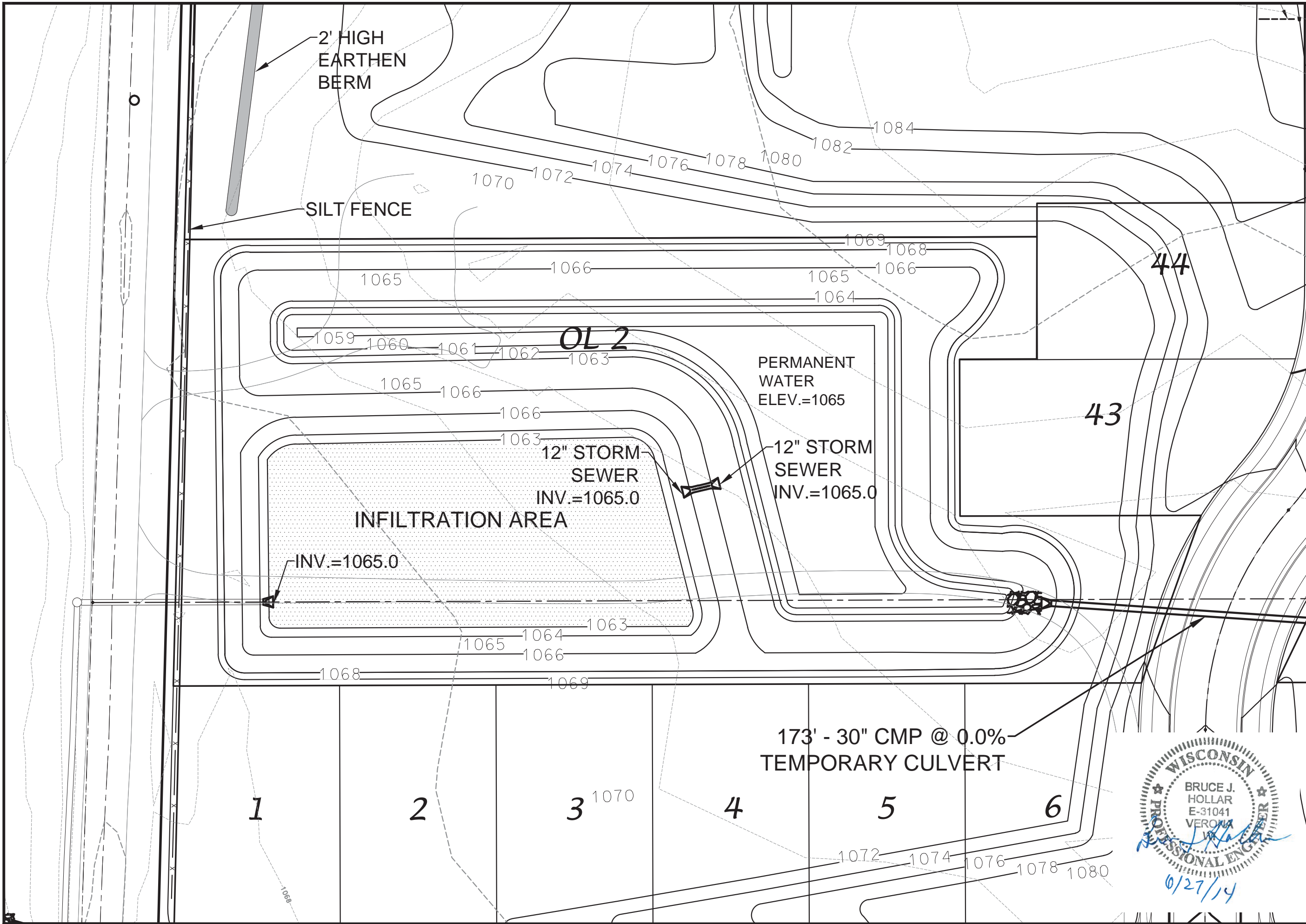
OVER EXCAVATE INFILTRATION BASIN APPROXIMATELY 14 FT OR UNTIL NATIVE LOAMY SAND SOIL LAYER IS MET AND BACK FILL WITH LOAMY SAND OR MORE PERMEABLE SOIL.

NOTE: A CERTIFIED SOIL INSPECTOR SHALL CERTIFY THAT THE PROPOSED SOILS TO BE USED FOR THE BACKFILL LAYER HAS A MINIMUM INFILTRATION RATE OF 1.63 IN/HR PRIOR TO BACKFILLING. CLEAN SAND OR CLEAR STONE MAY BE USED AS AN ALTERNATIVE BACKFILL MATERIAL.



DATE: 04-85-14  
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FN: 14-05-101  
Sheet Number:  
1 OF 1



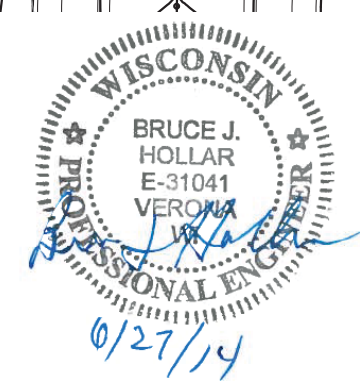
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**SUGAR MAPLE**  
 SUGAR MAPLE LANE  
 MADISON, WI

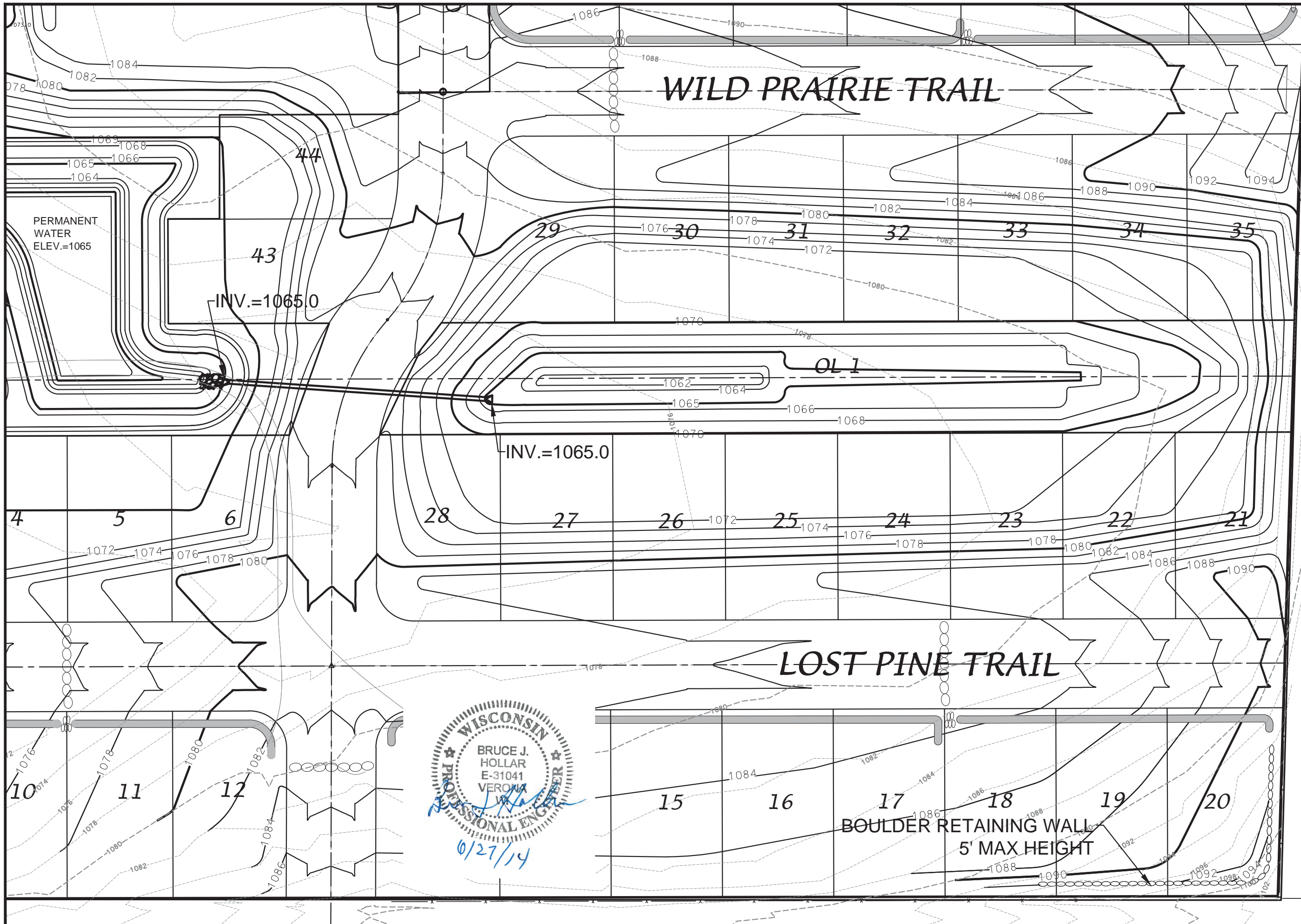
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**SUGAR MAPLE**

SUGAR MAPLE LANE  
MADISON, WI

S01° 40' 49" W 739.44'



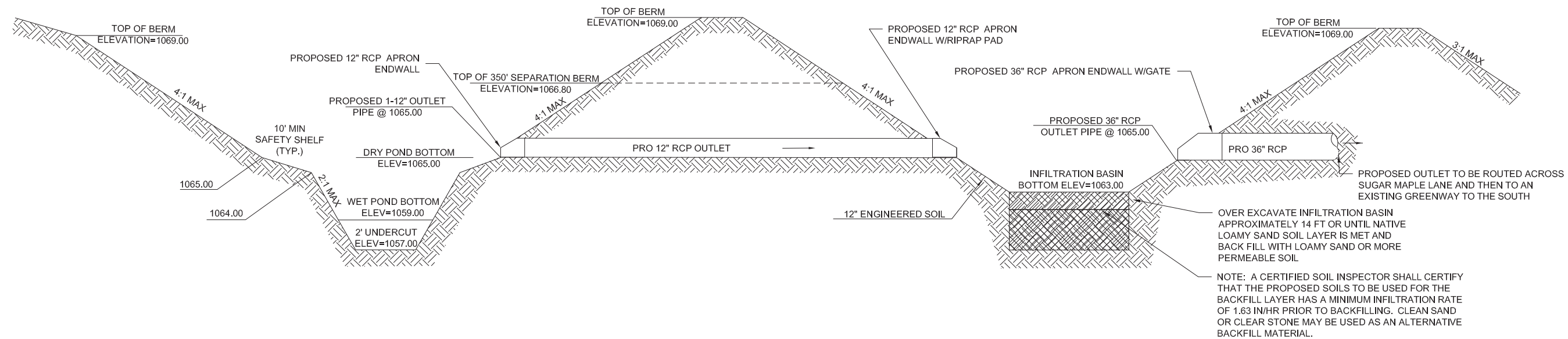
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4 OF 9



**PROFILE VIEW**

**WET DETENTION/INFILTRATION BASIN DETAIL**  
NOT TO SCALE

OVER EXCAVATE INFILTRATION BASIN APPROXIMATELY 14 FT OR UNTIL NATIVE LOAMY SAND SOIL LAYER IS MET AND BACK FILL WITH LOAMY SAND OR MORE PERMEABLE SOIL.

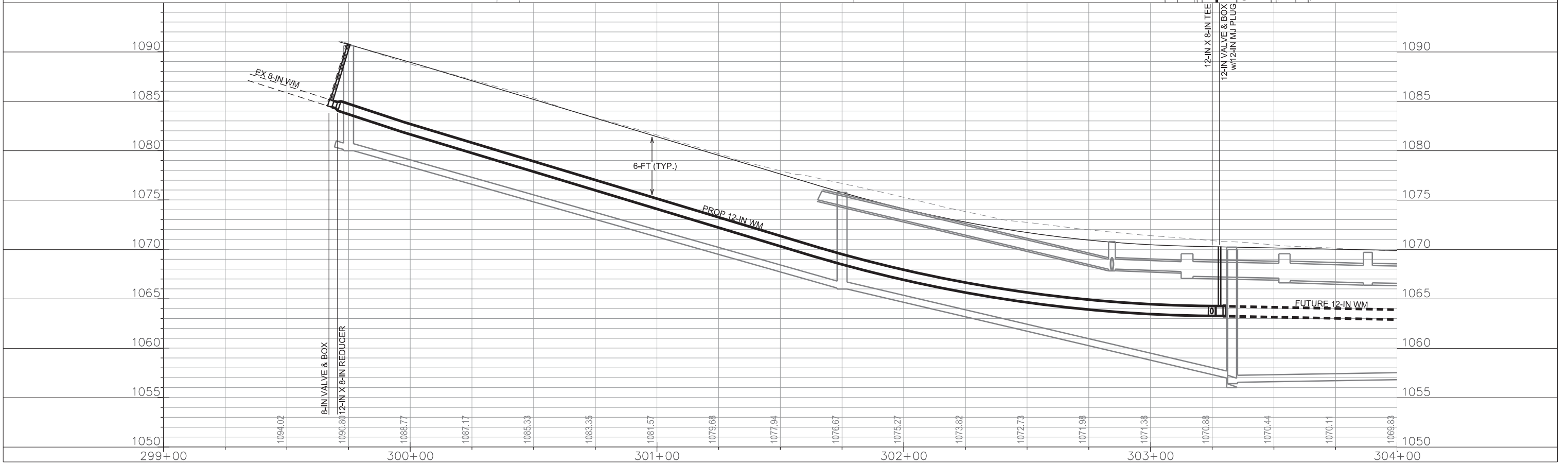
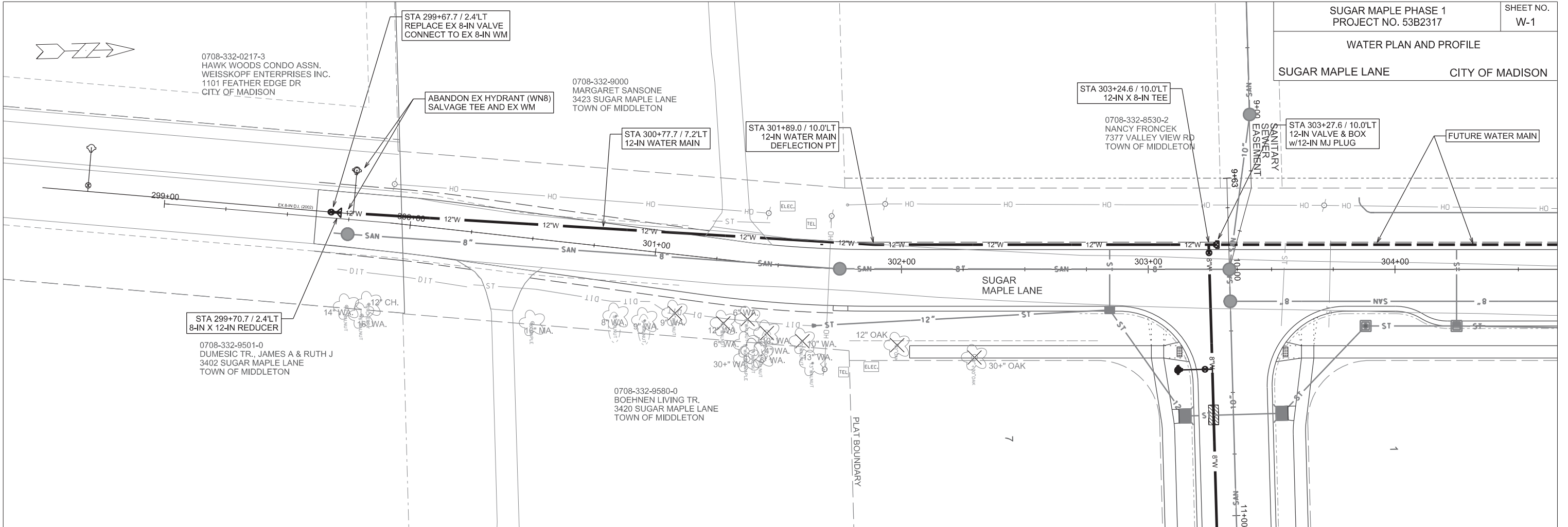
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1 OF 1

WATER PLAN AND PROFILE  
SUGAR MAPLE LANE CITY OF MADISON



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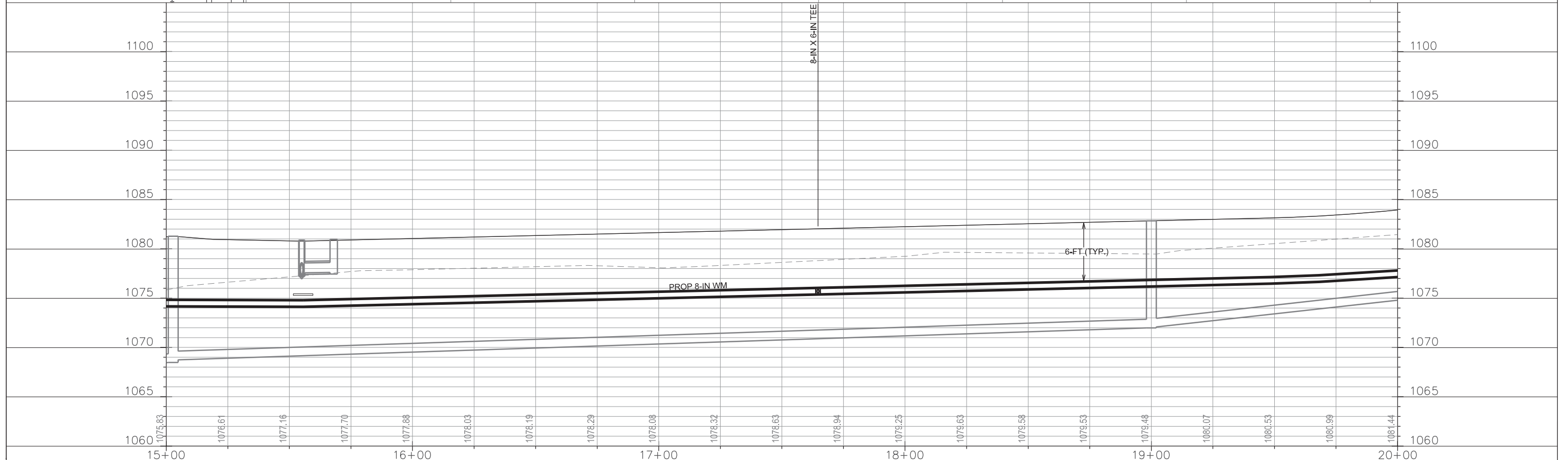
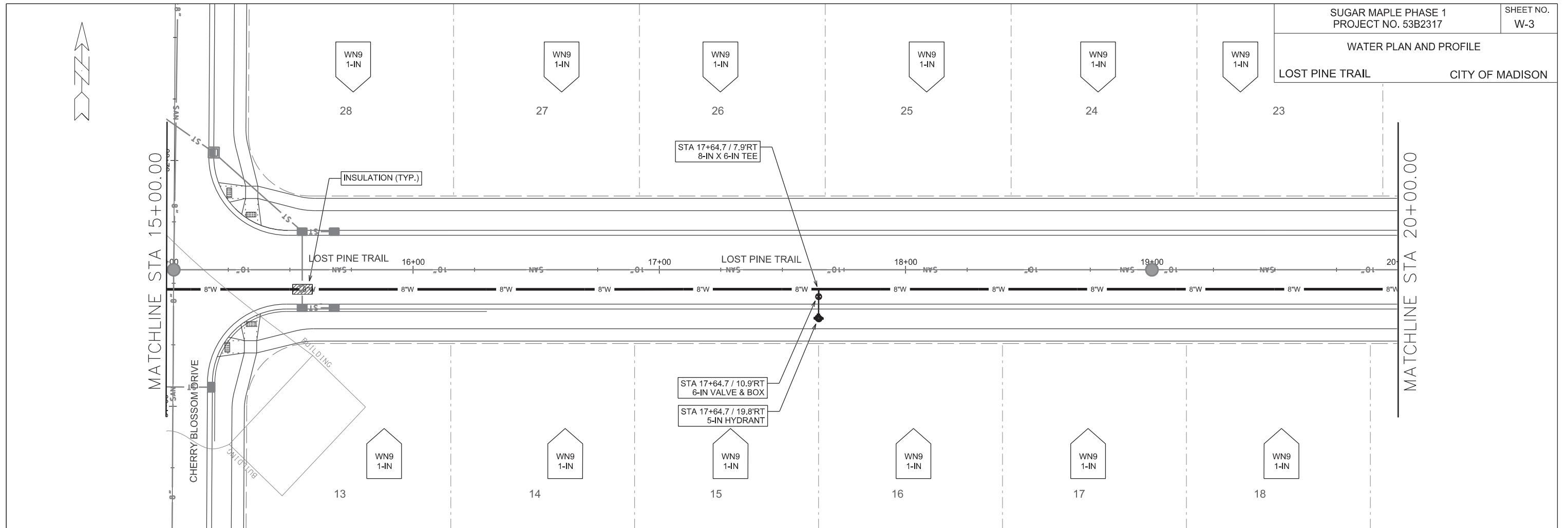
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION







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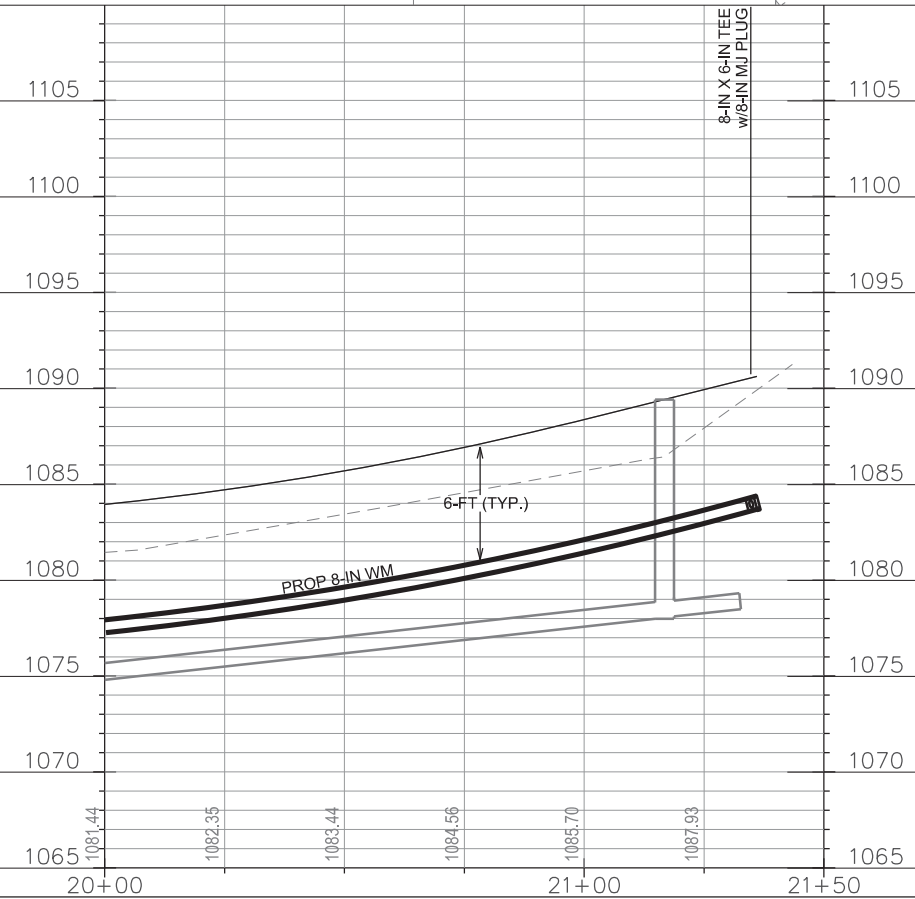
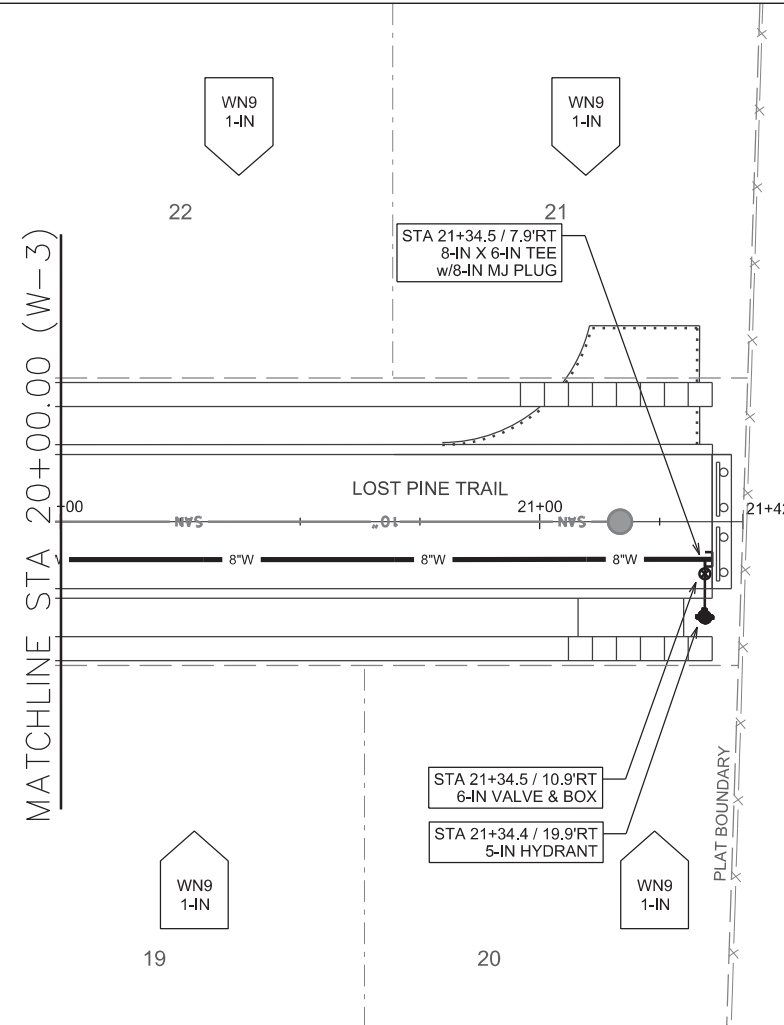
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION

0708-332-8000-3  
UNITED STATES OF AMERICA  
TOWN OF MIDDLETON



MATCHLINE STA 20+00.00 (W-3)



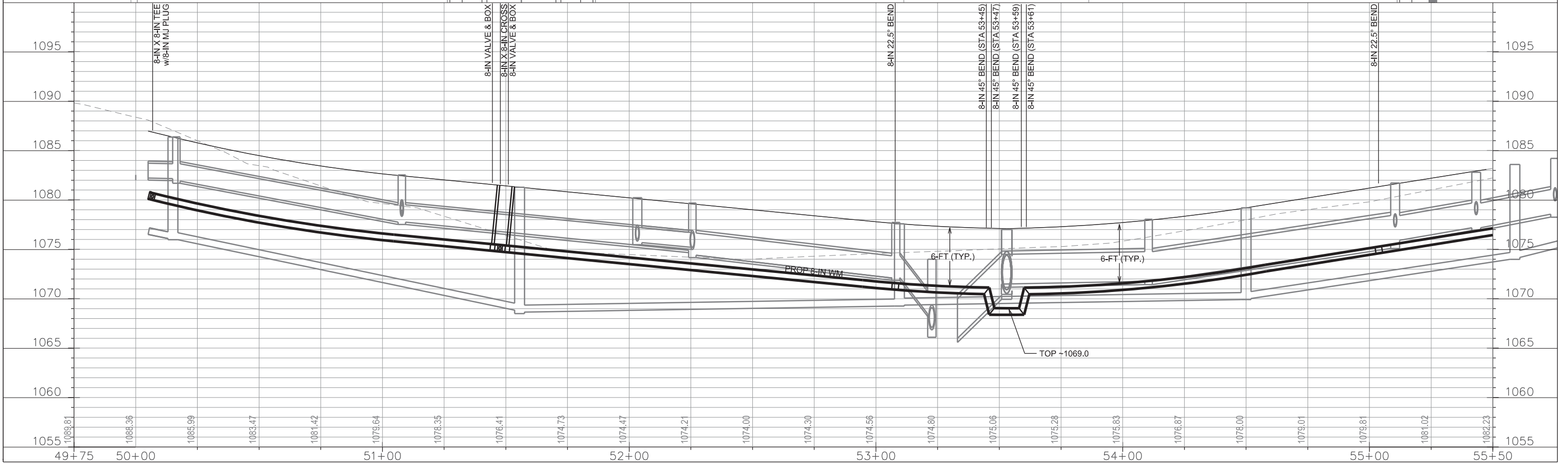
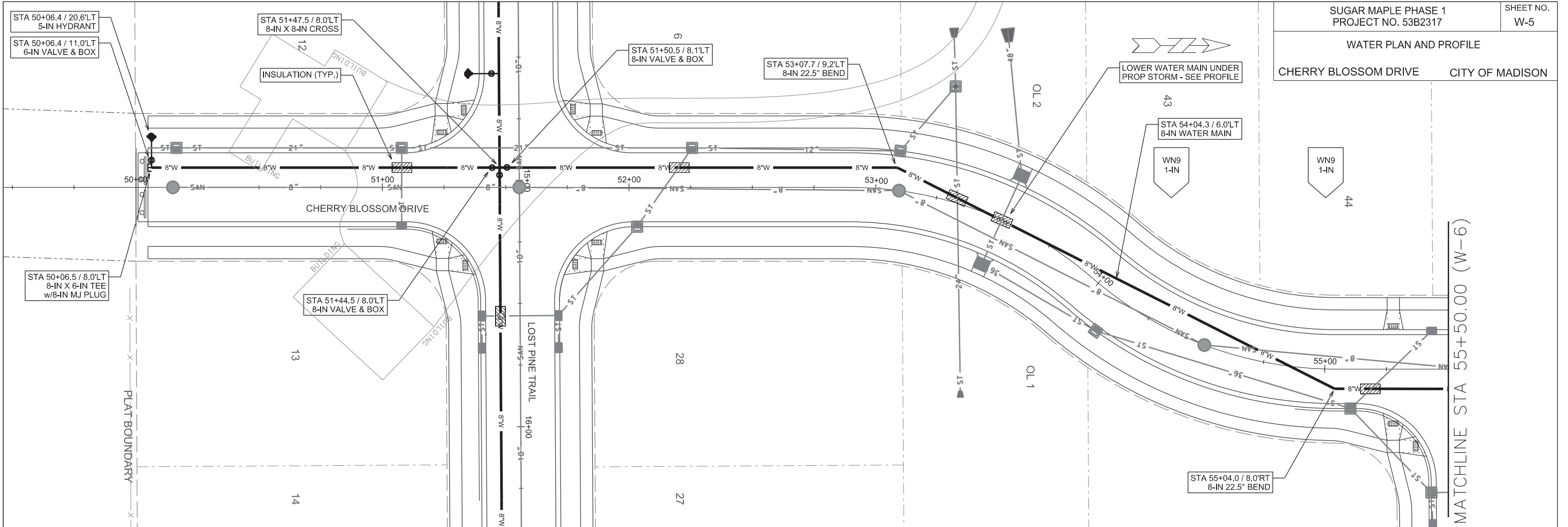
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PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE  
CHERRY BLOSSOM DRIVE CITY OF MADISON



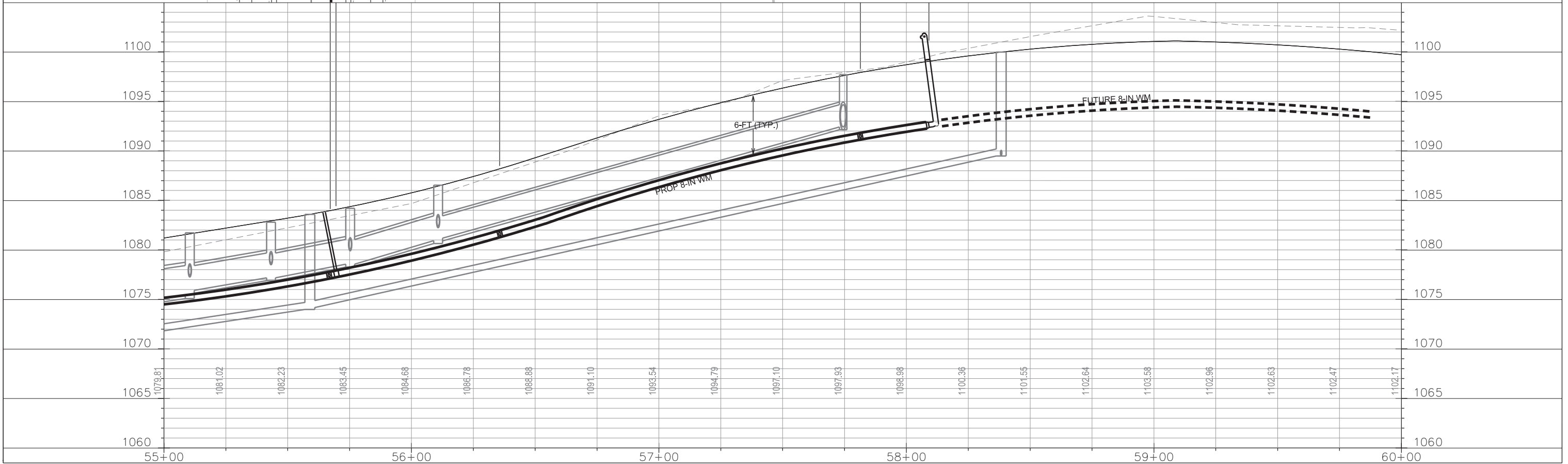
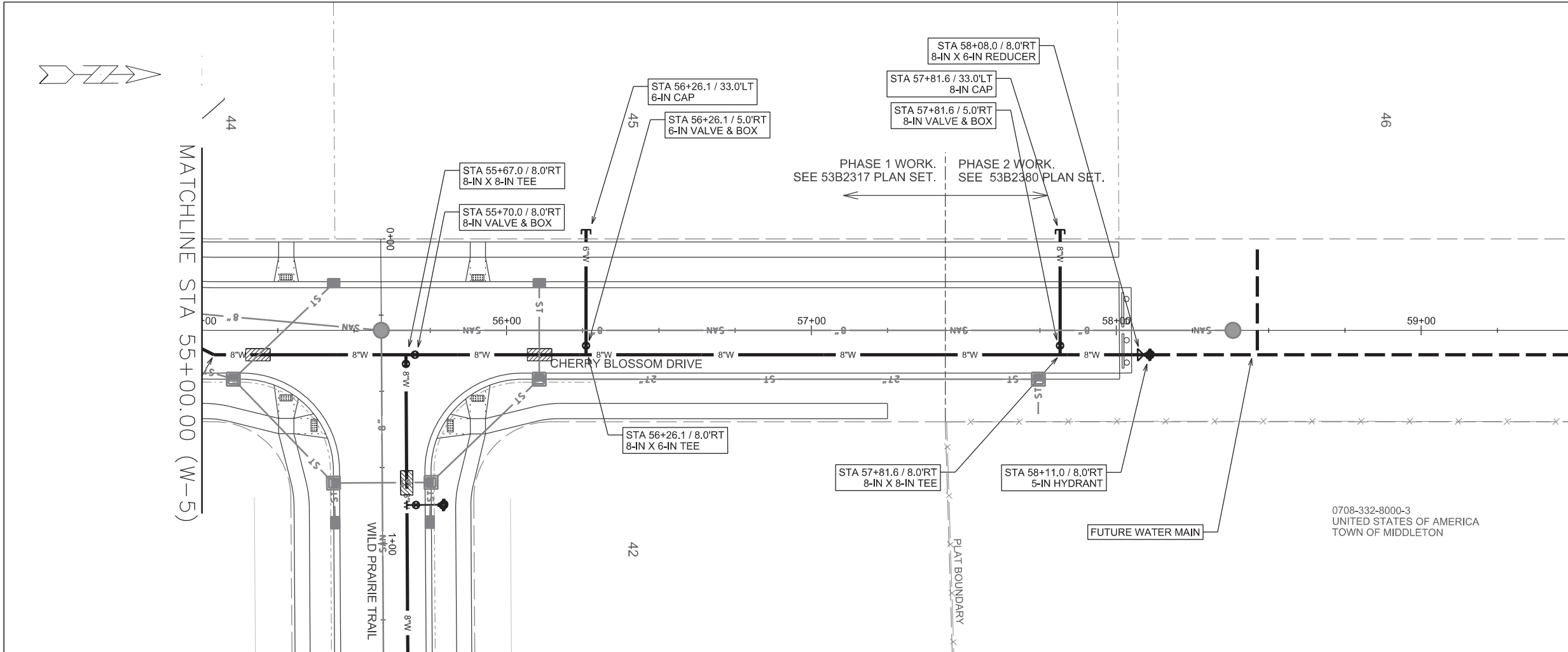
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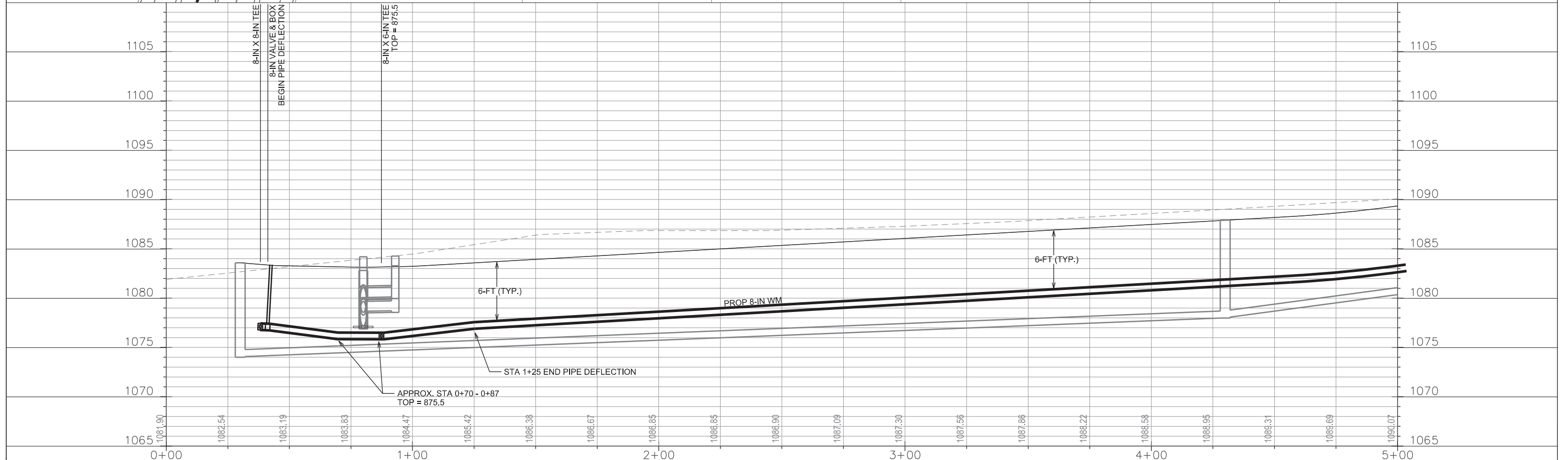
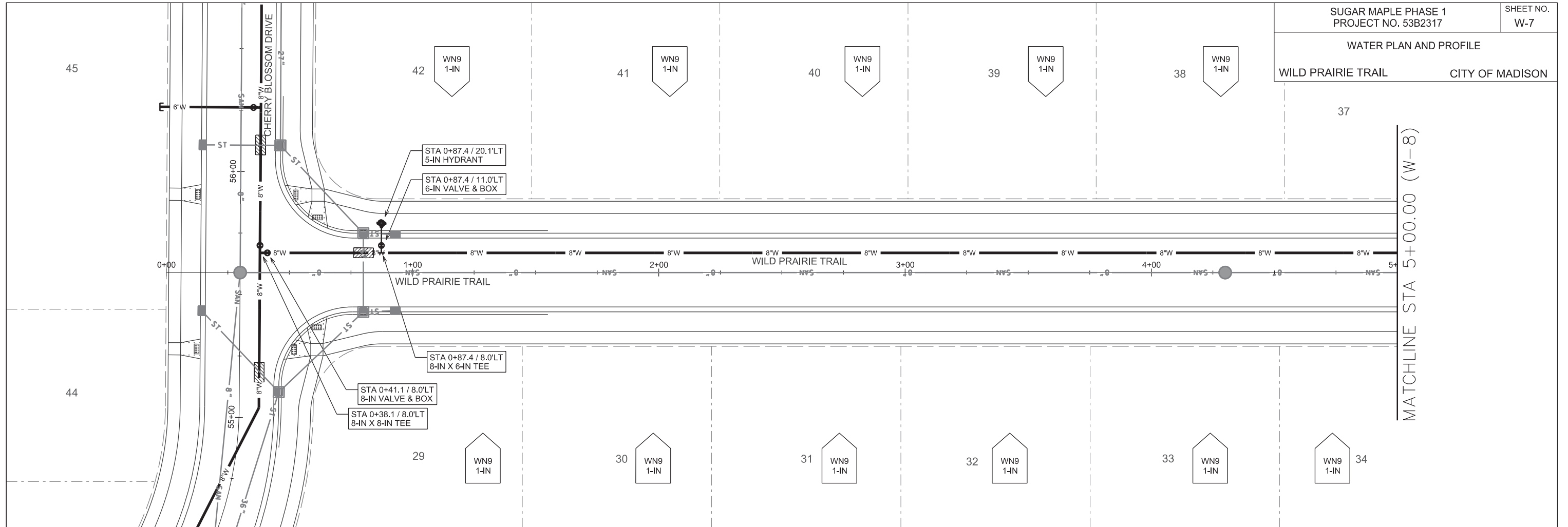


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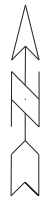


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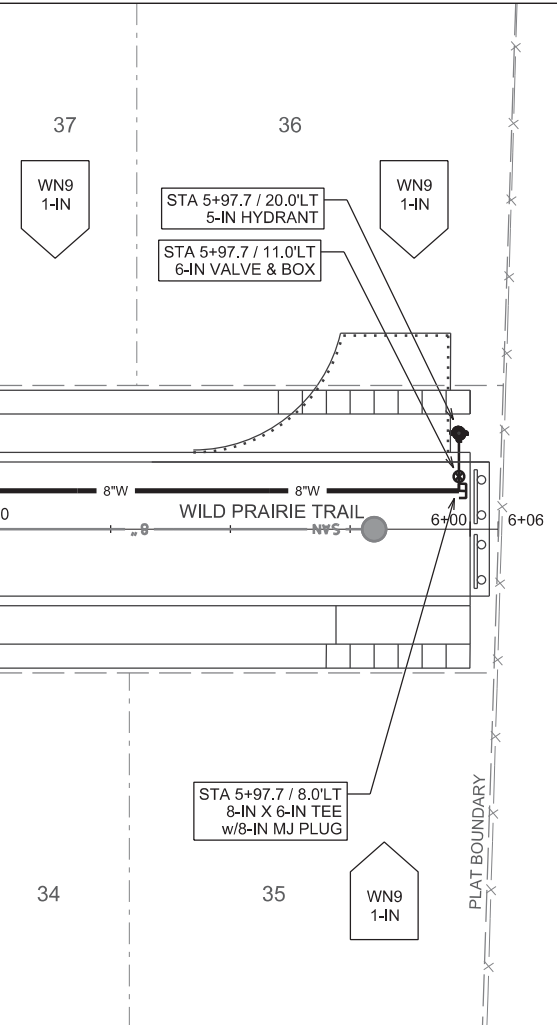
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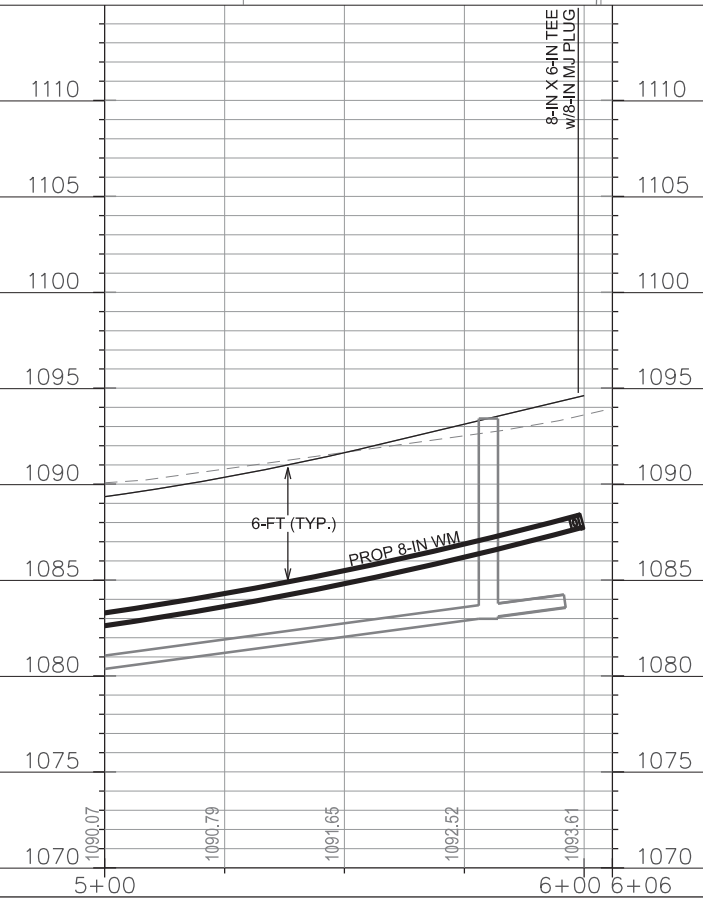
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UNITED STATES OF AMERICA  
TOWN OF MIDDLETON

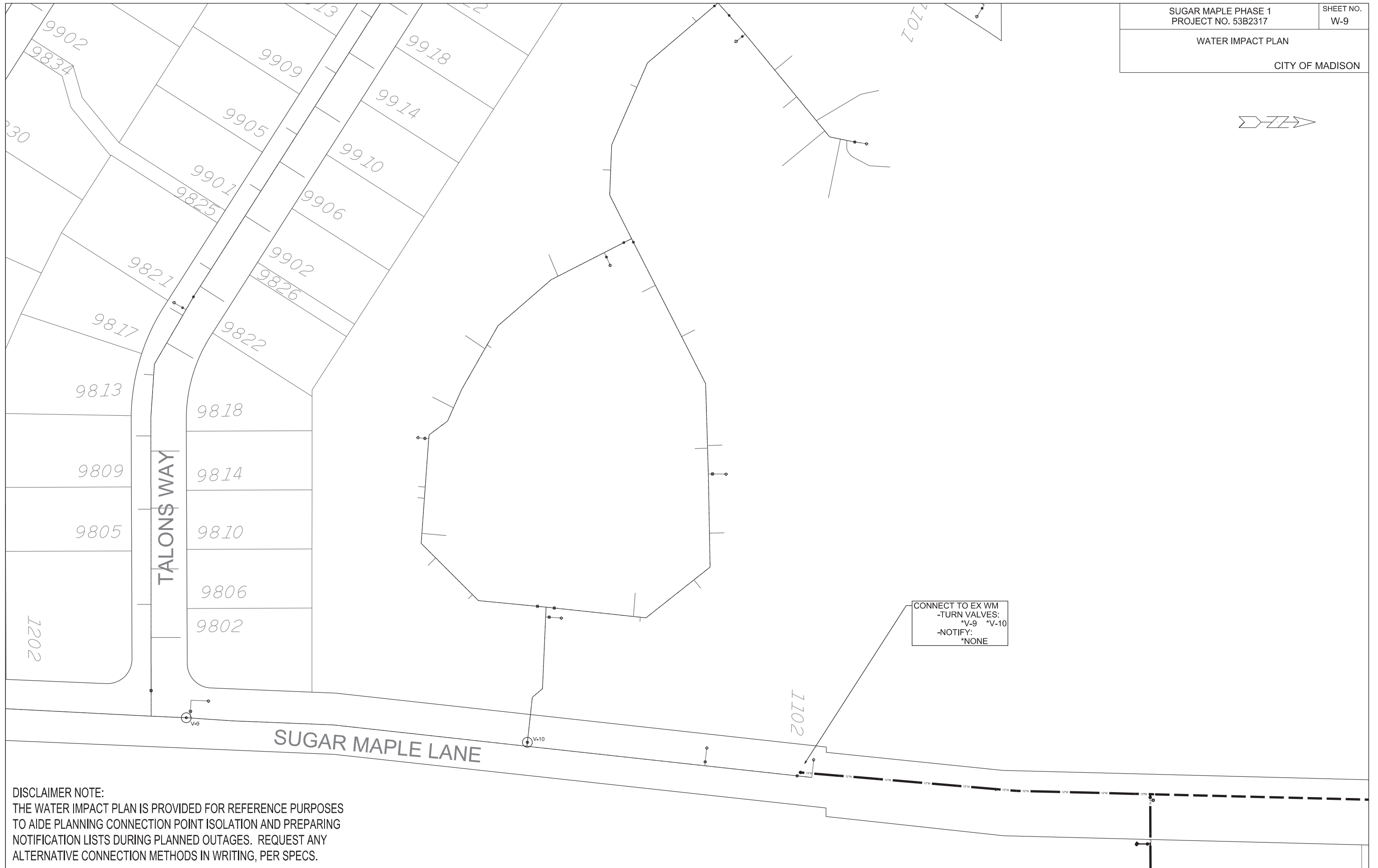
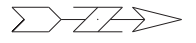


PLOT SCALE:

PLOT NAME:

REV. DATE:

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

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME:

DATE:

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:**

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 DISTRUPTION 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
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

**PHASES 1 AND 2:**

**ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

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

- 60-FT - 6-IN PIPE
- 2520-FT - 8-IN PIPE
- 2820-FT - POLYWRAP
- 8 - 6-IN VALVE & BOX
- 7 - 8-IN VALVE & BOX

- 2 - 8-IN 22.5° BEND
- 4 - 8-IN 45° BEND

- 8 - 8-IN X 6-IN TEE
- 2 - 8-IN X 8-IN TEE
- 1 - 8-IN X 8-IN CROSS

- 1 - 8-IN X 6-IN REDUCER

- 3 - 8-IN MJ PLUG

- 1 - 6-IN CAP
- 1 - 8-IN CAP

- 8 - 5-IN HYDRANT

- 300-FT - 2-IN STYROFOAM INSULATION

- 1-IN COPPER TUBING (AS REQUIRED)

**ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:**

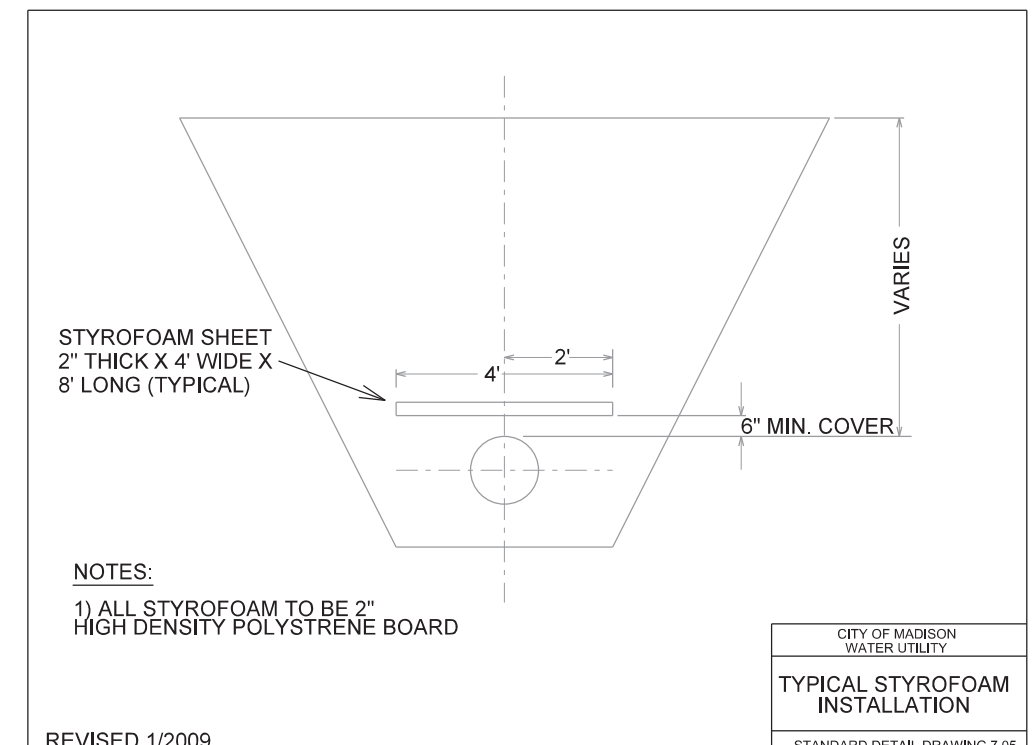
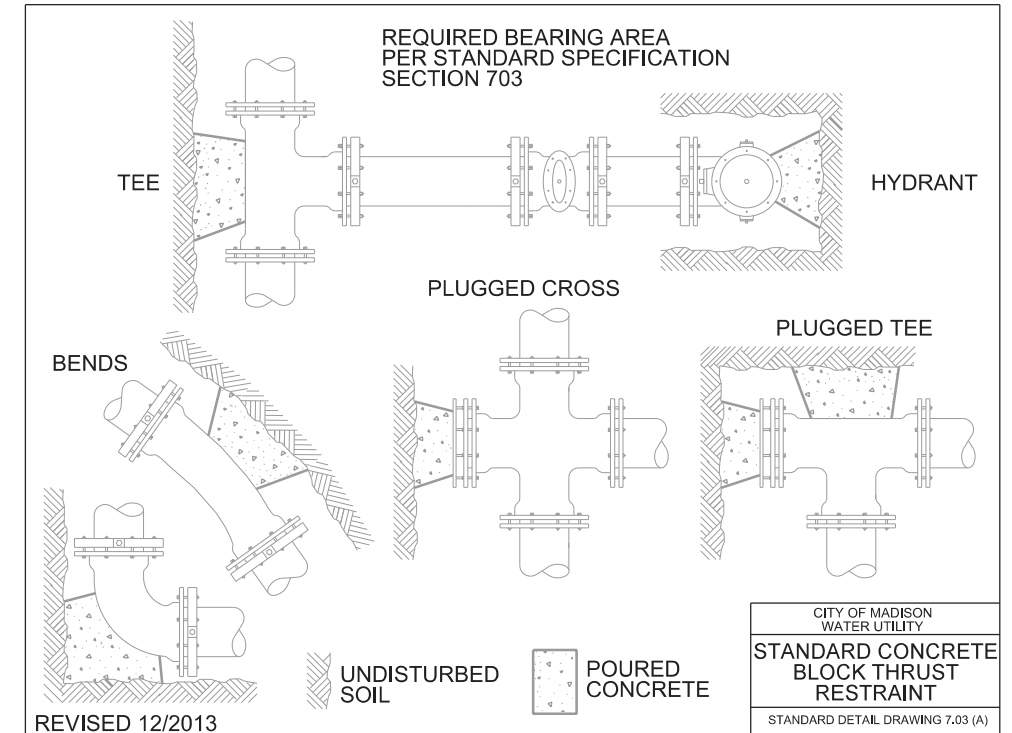
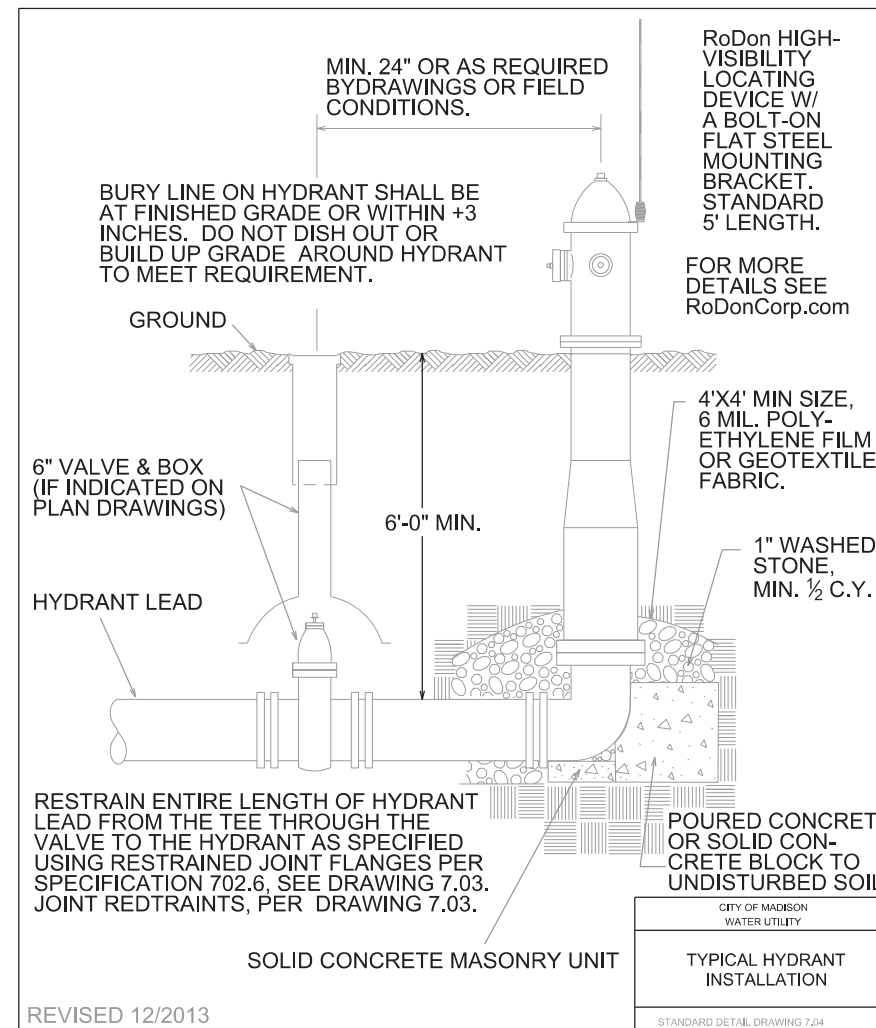
- 380-FT - 12-IN PIPE
- 400-FT - POLYWRAP
- 1 - 12-IN VALVE & BOX
- 1 - 12-IN X 8-IN TEE
- 1 - 12-IN X 8-IN REDUCER
- 1 - 12-IN MJ PLUG

**SALVAGED MATERIALS**

- 20-FT - 6-IN PIPE
- 1 - 12-IN X 6-IN TEE
- 1 - 5-IN HYDRANT

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.



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

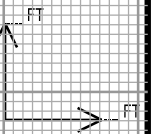
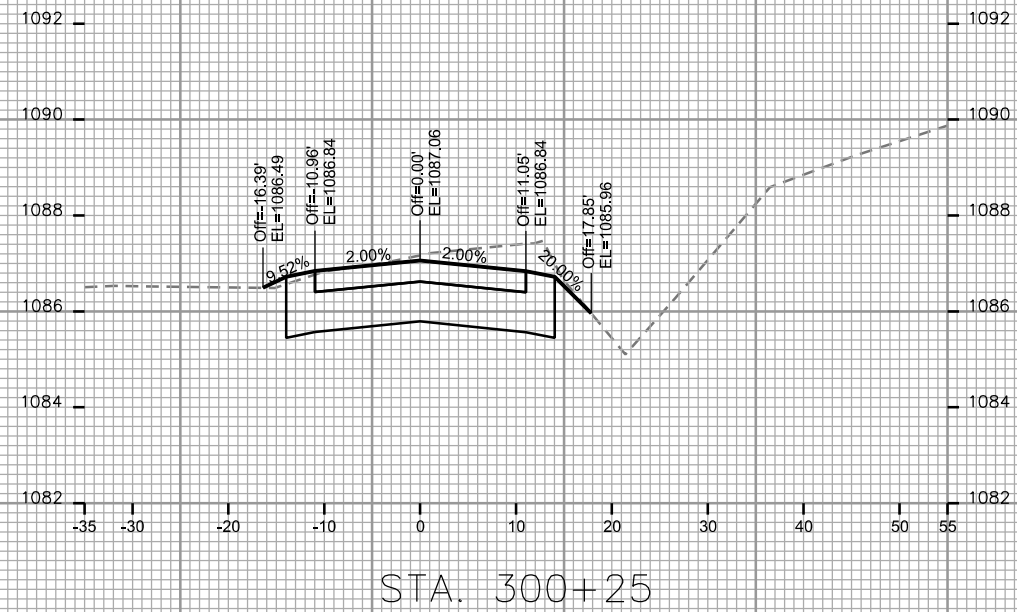
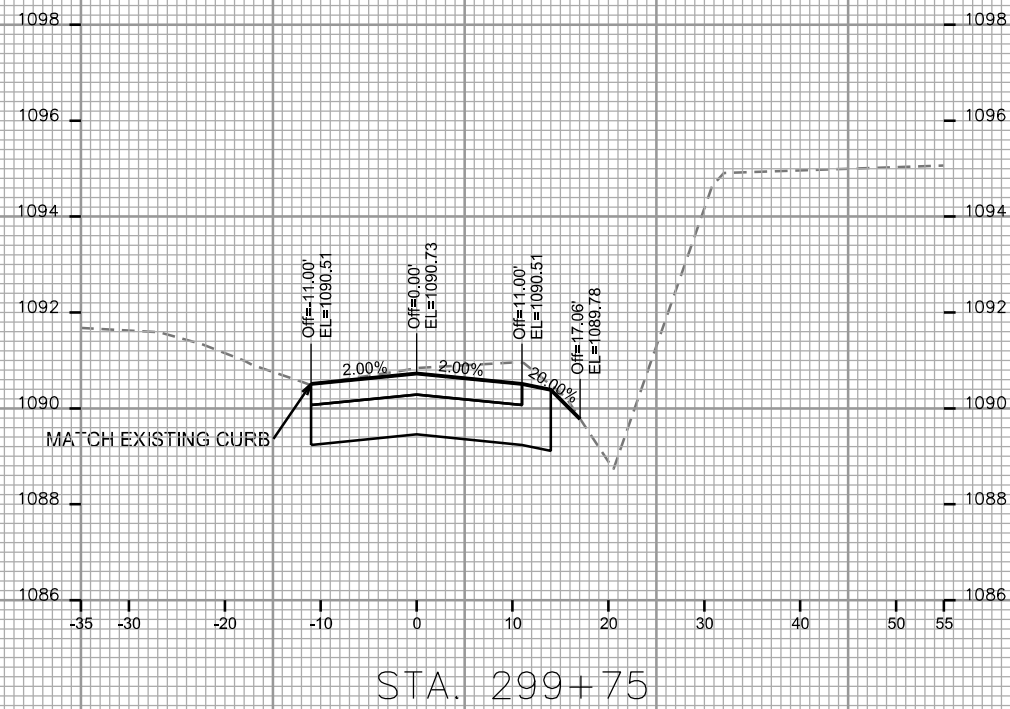
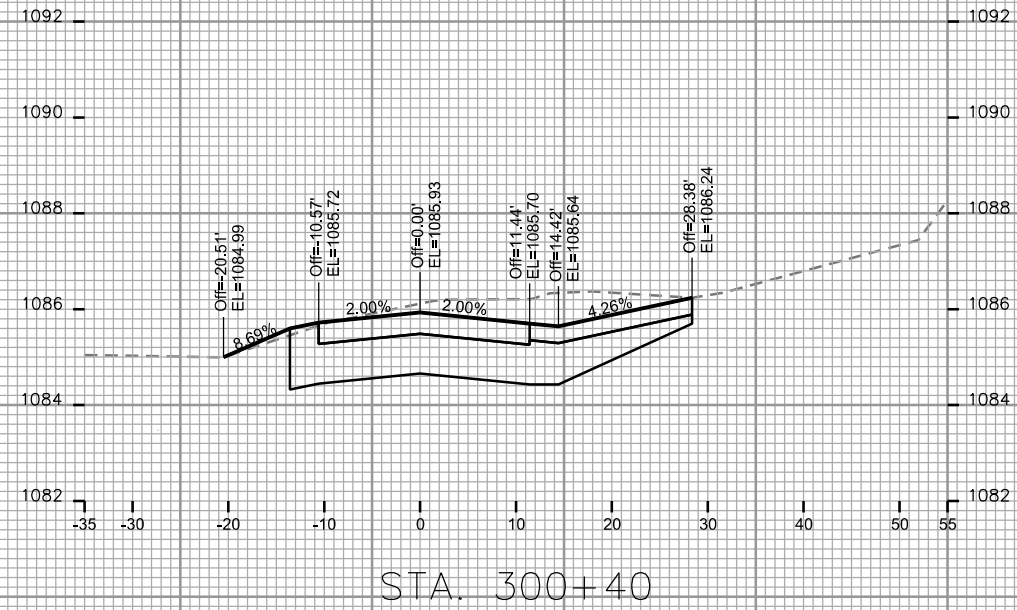
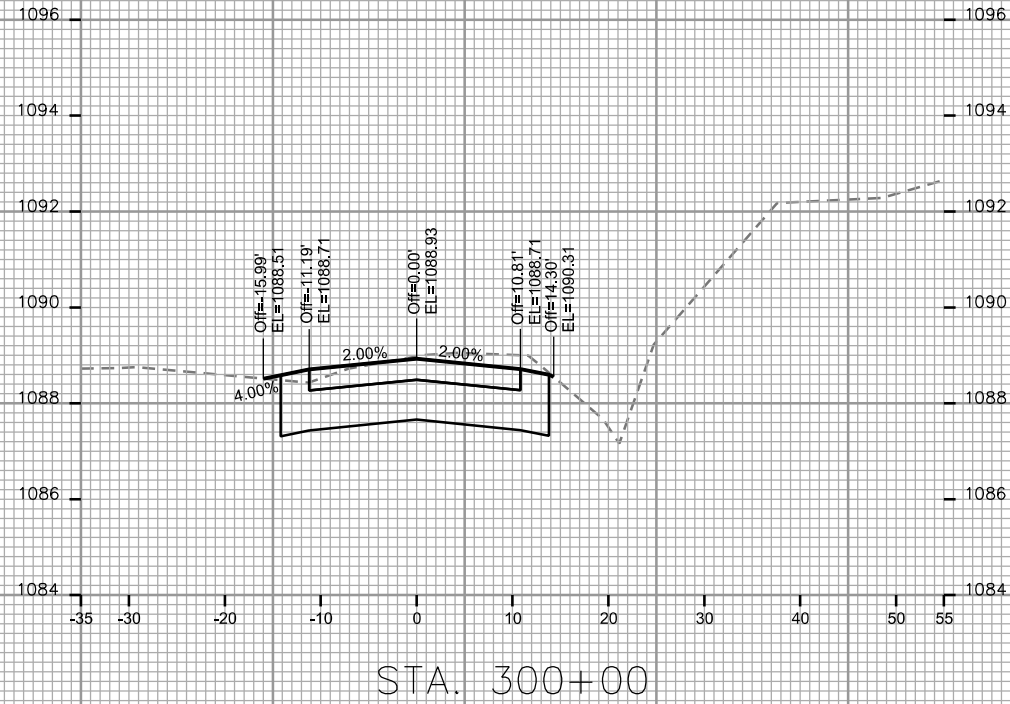
SUGAR MAPLE LANE CITY OF MADISON  
REVISED 09-15-2014 BY JOHN SAPP

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

SUGAR MAPLE LANE CITY OF MADISON

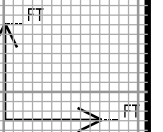
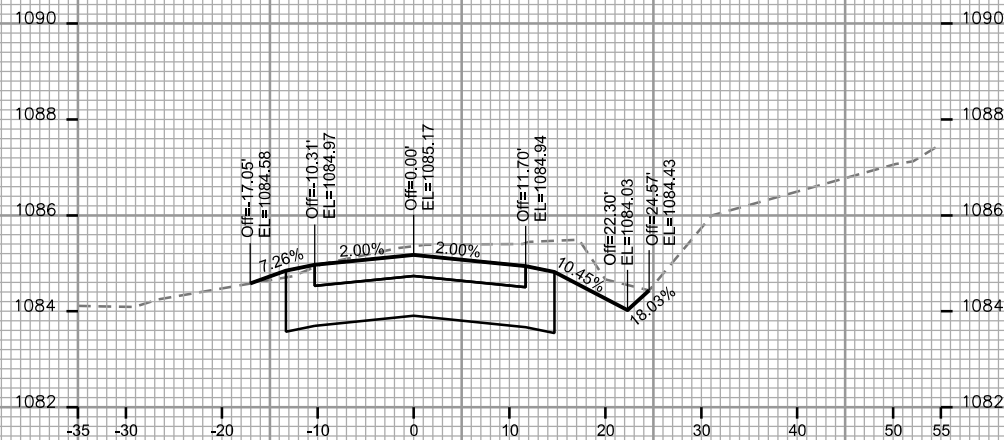
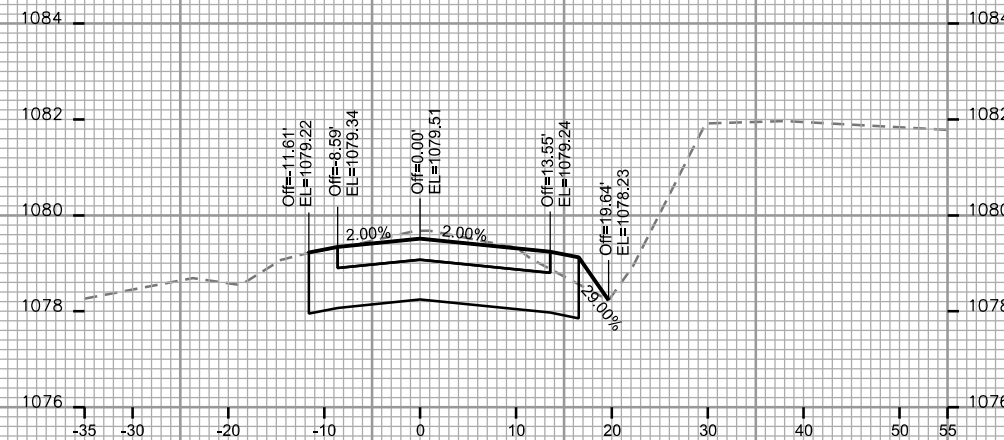
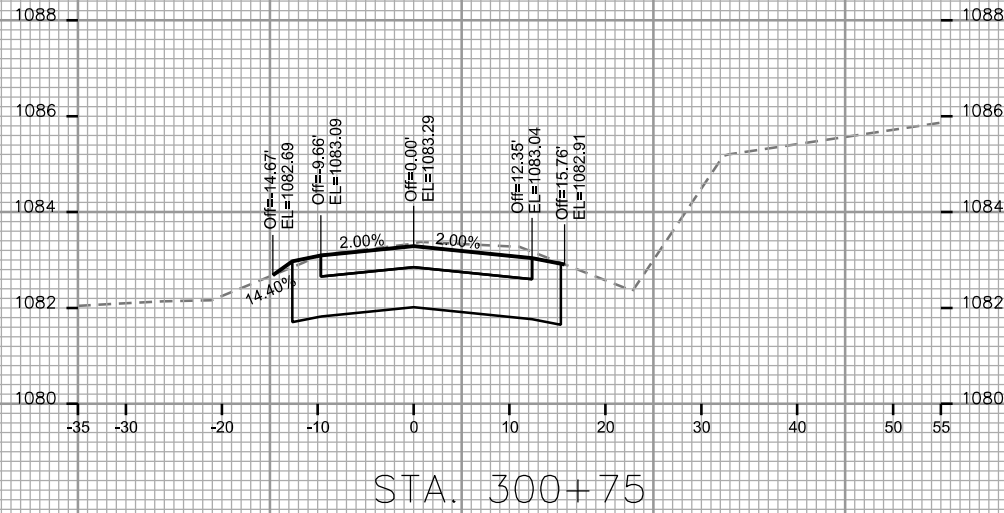
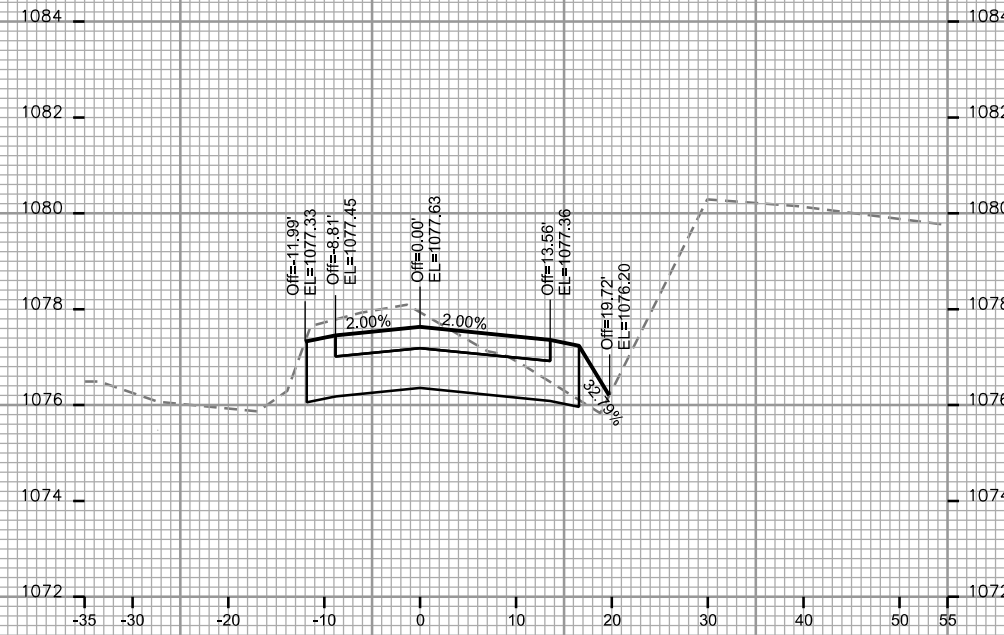
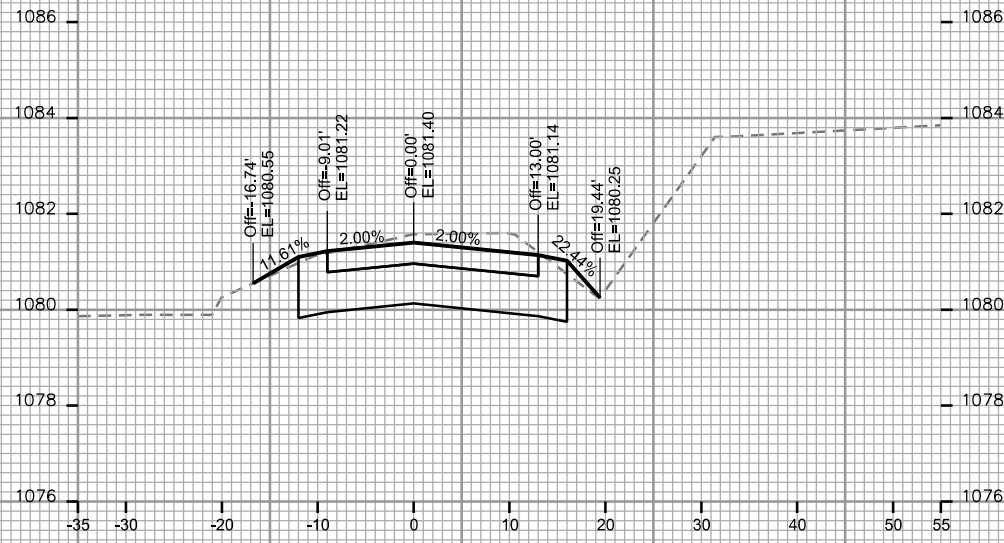
REVISED 09-15-2014 BY JOHN SAPP

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CROSS SECTIONS

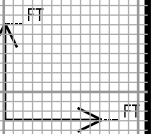
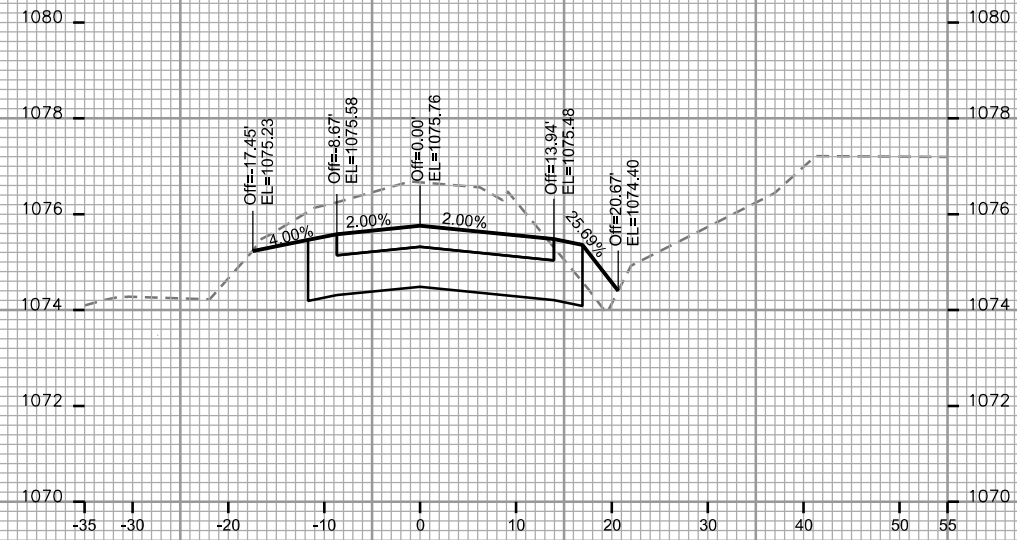
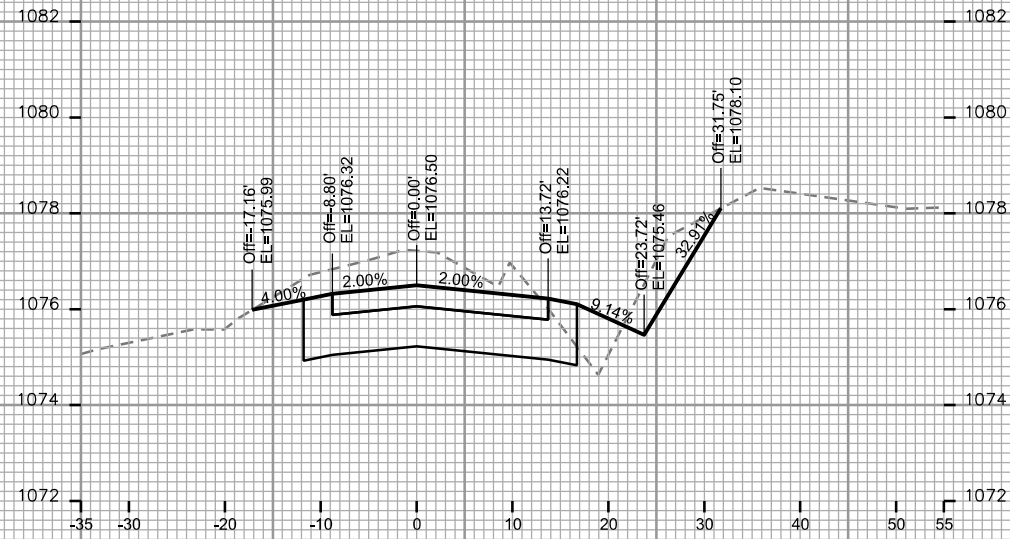
SUGAR MAPLE LANE CITY OF MADISON  
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CROSS SECTIONS

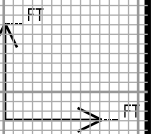
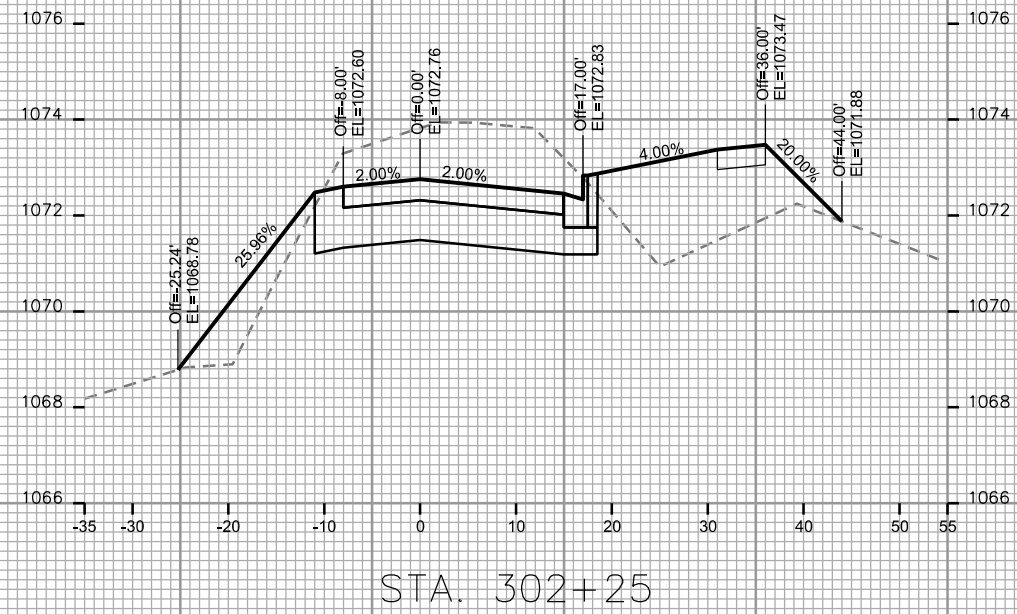
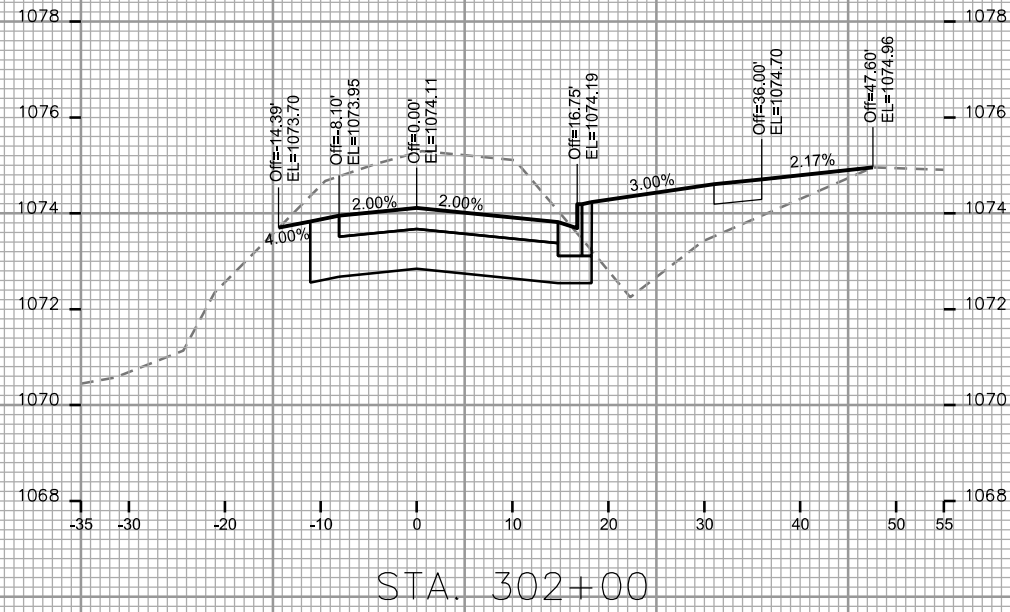
SUGAR MAPLE LANE CITY OF MADISON  
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CROSS SECTIONS

SUGAR MAPLE LANE

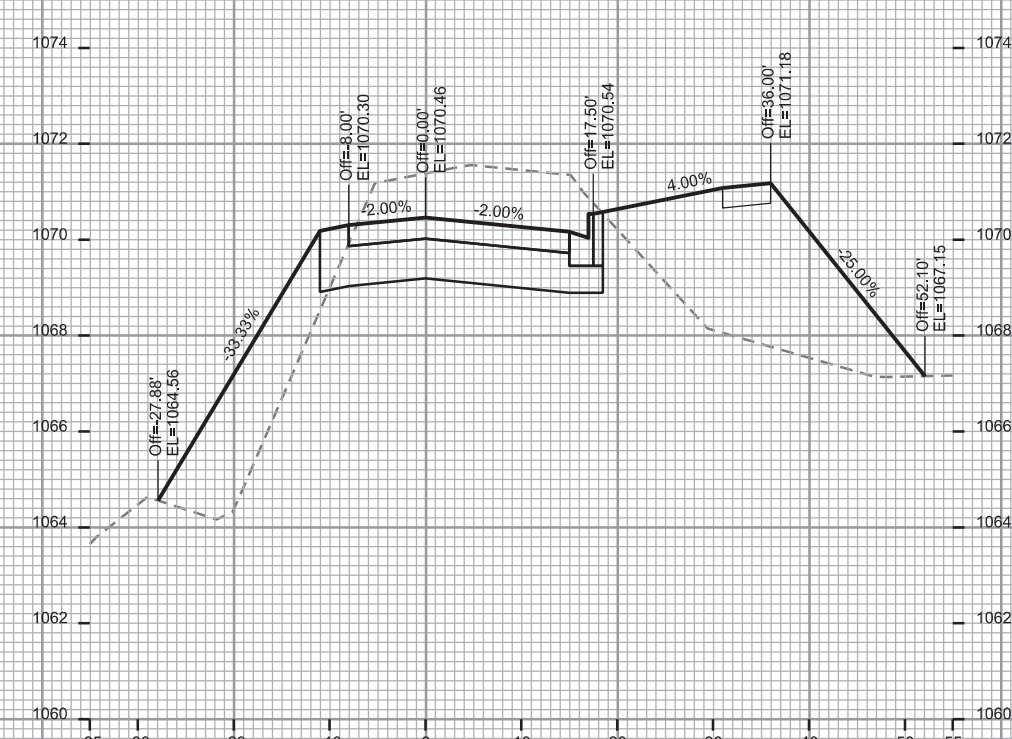
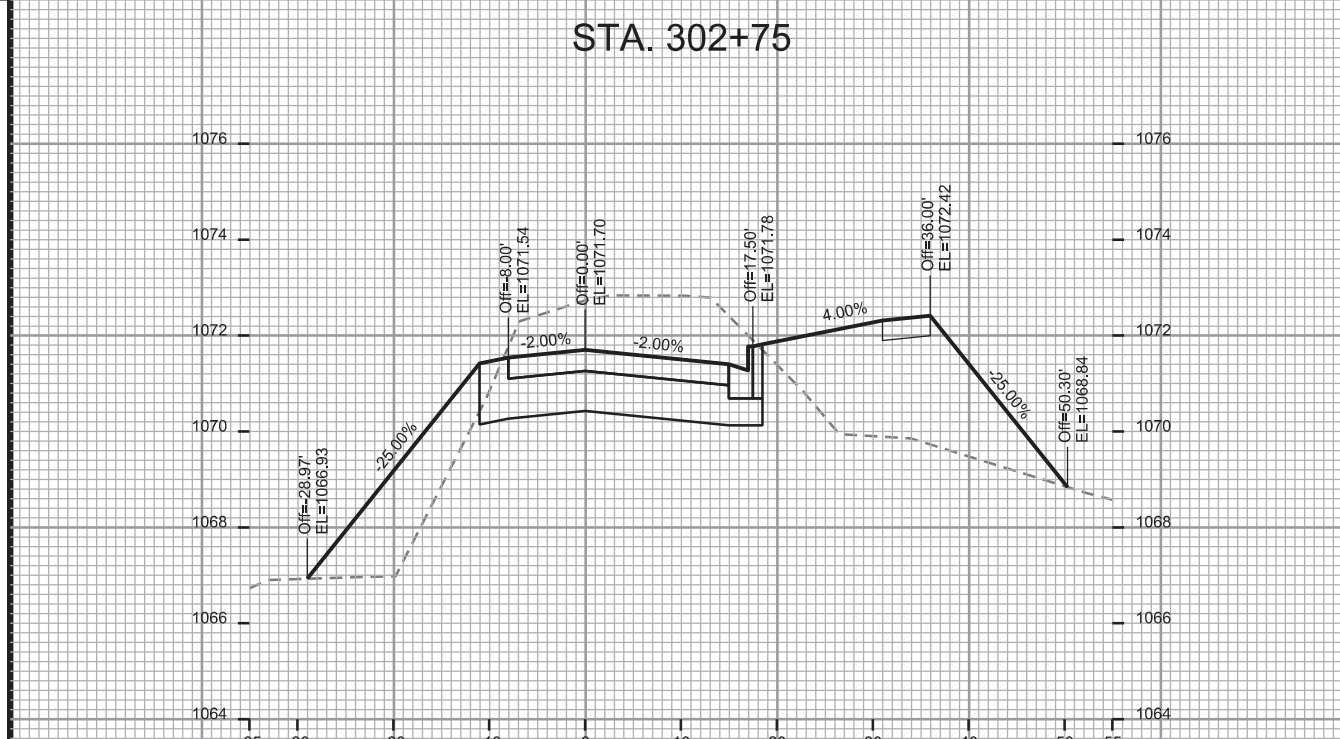
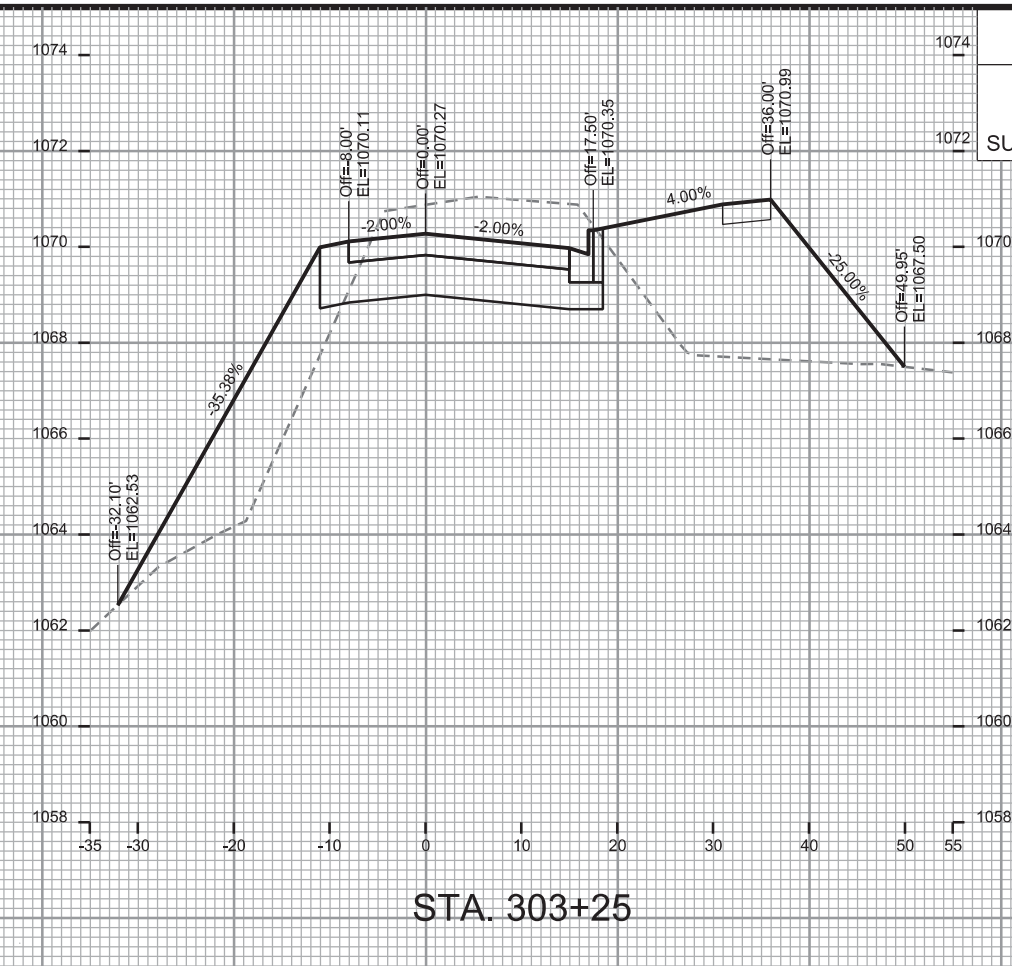
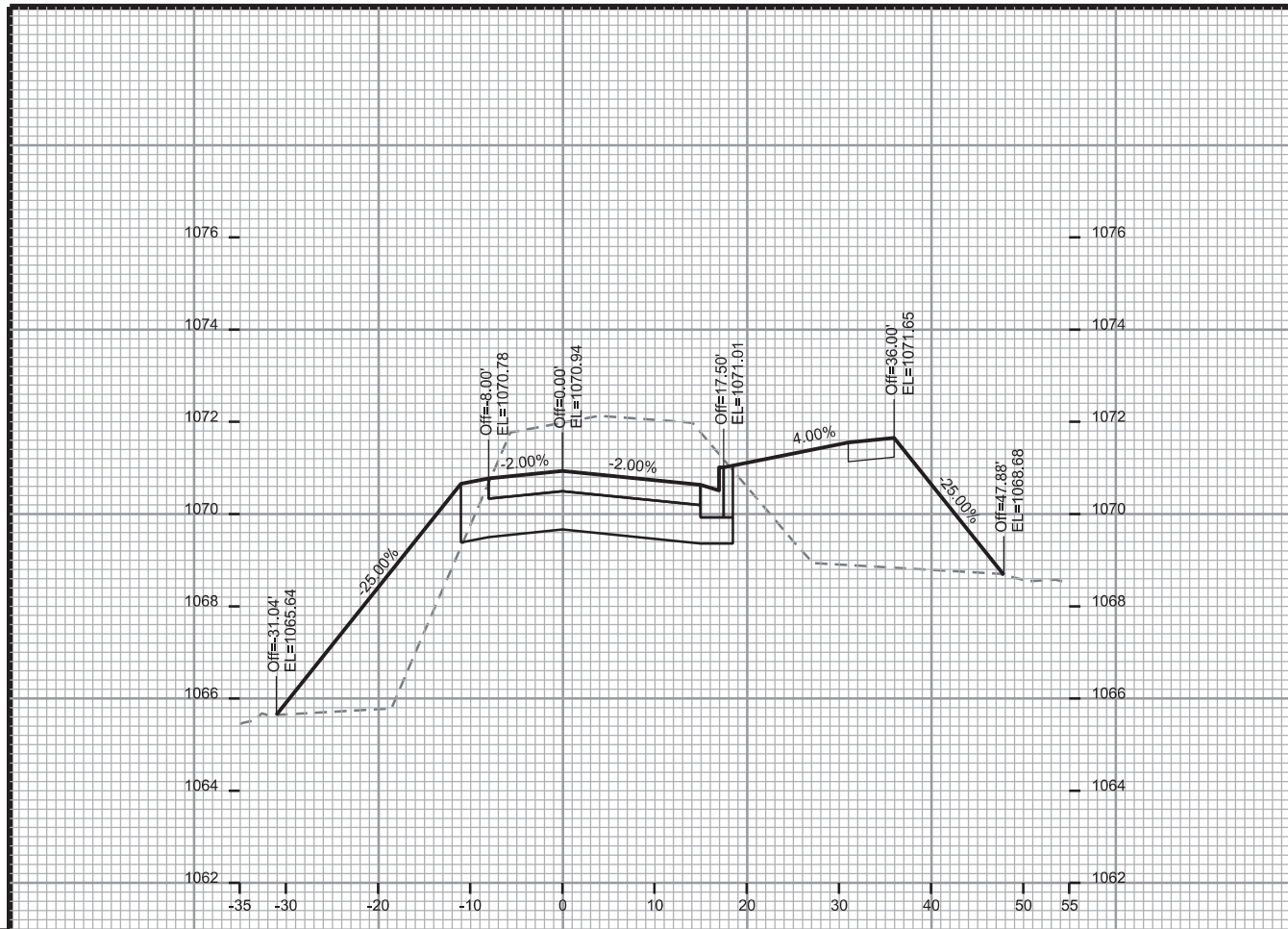
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

SUGAR MAPLE LANE

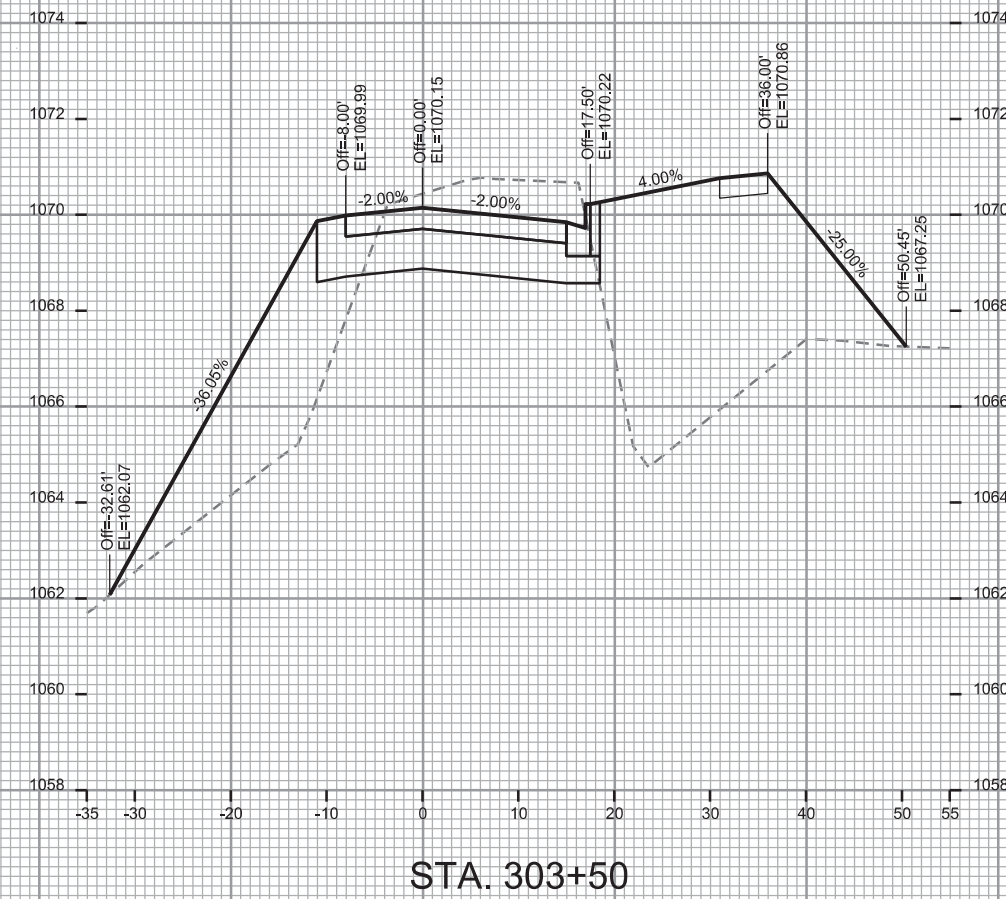
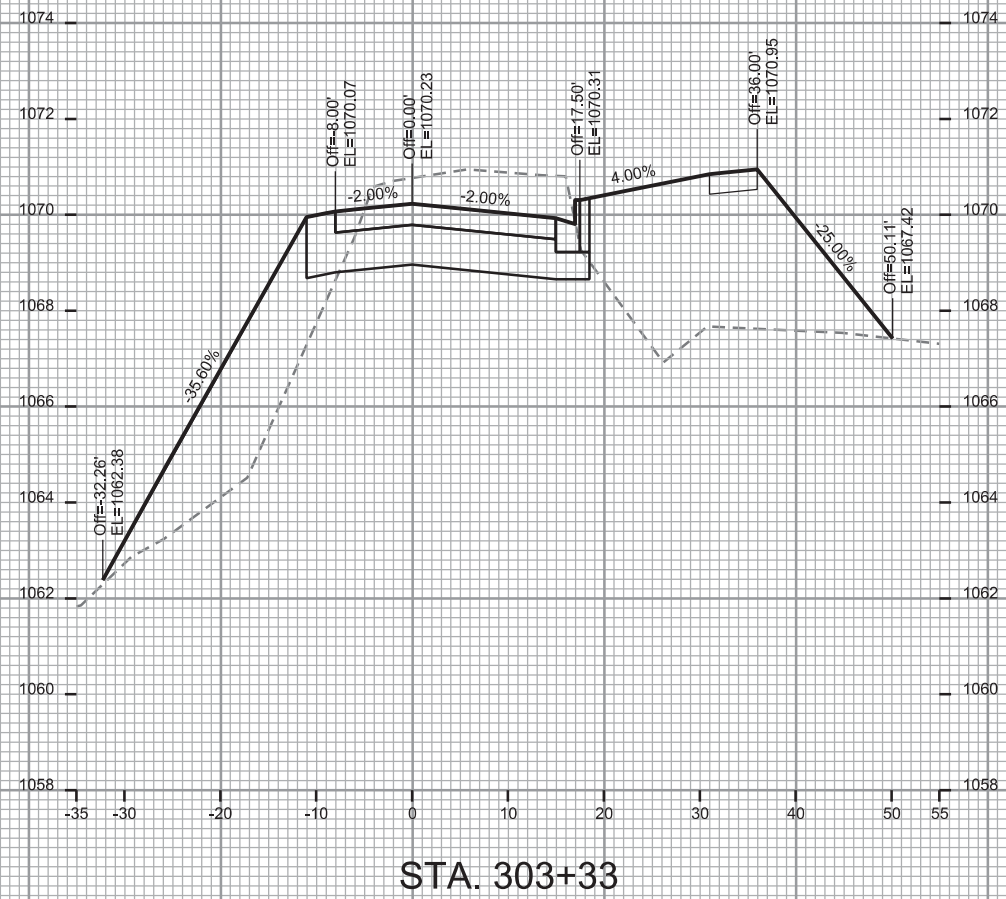
CITY OF MADISON

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CROSS SECTIONS

SUGAR MAPLE LANE

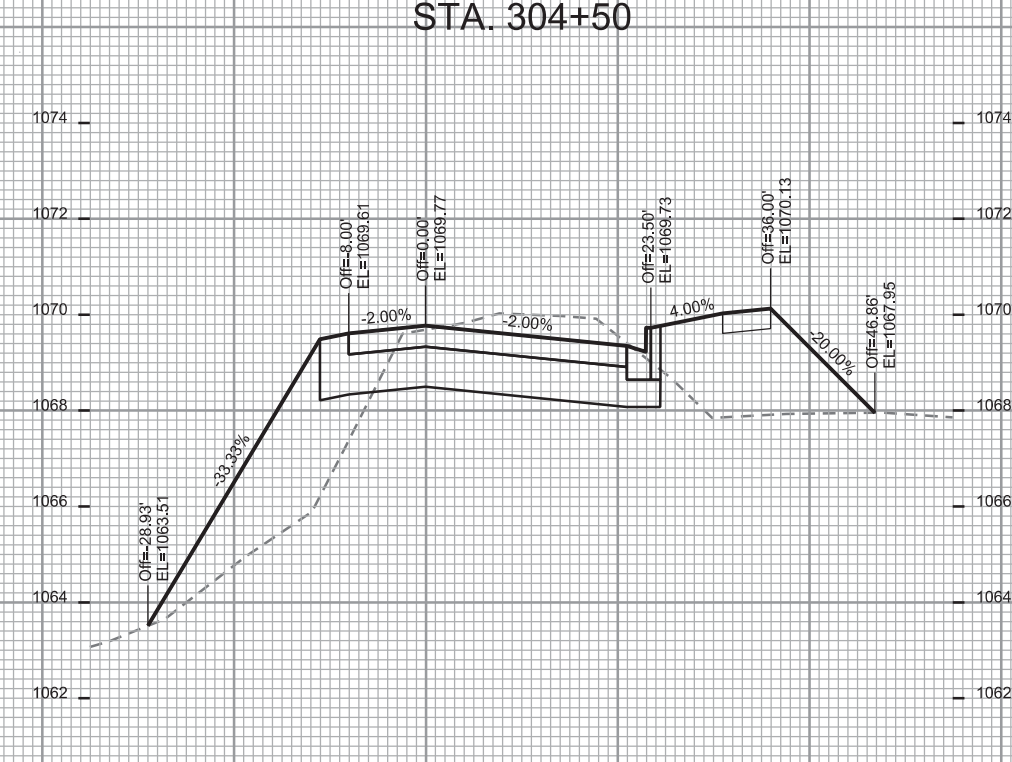
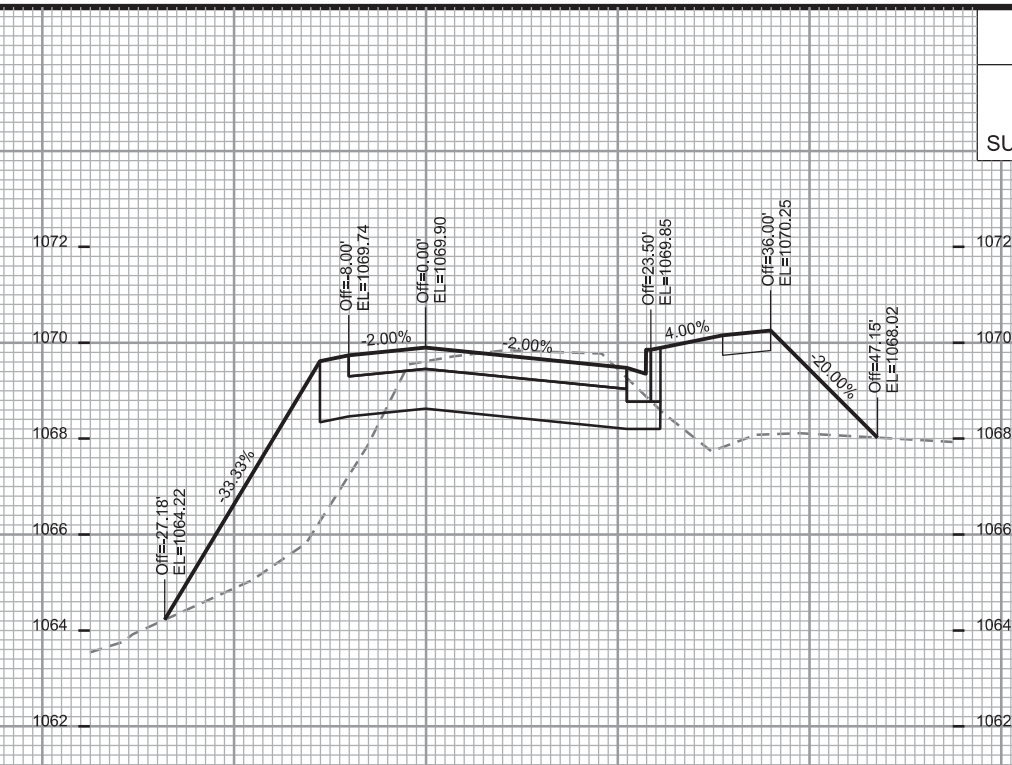
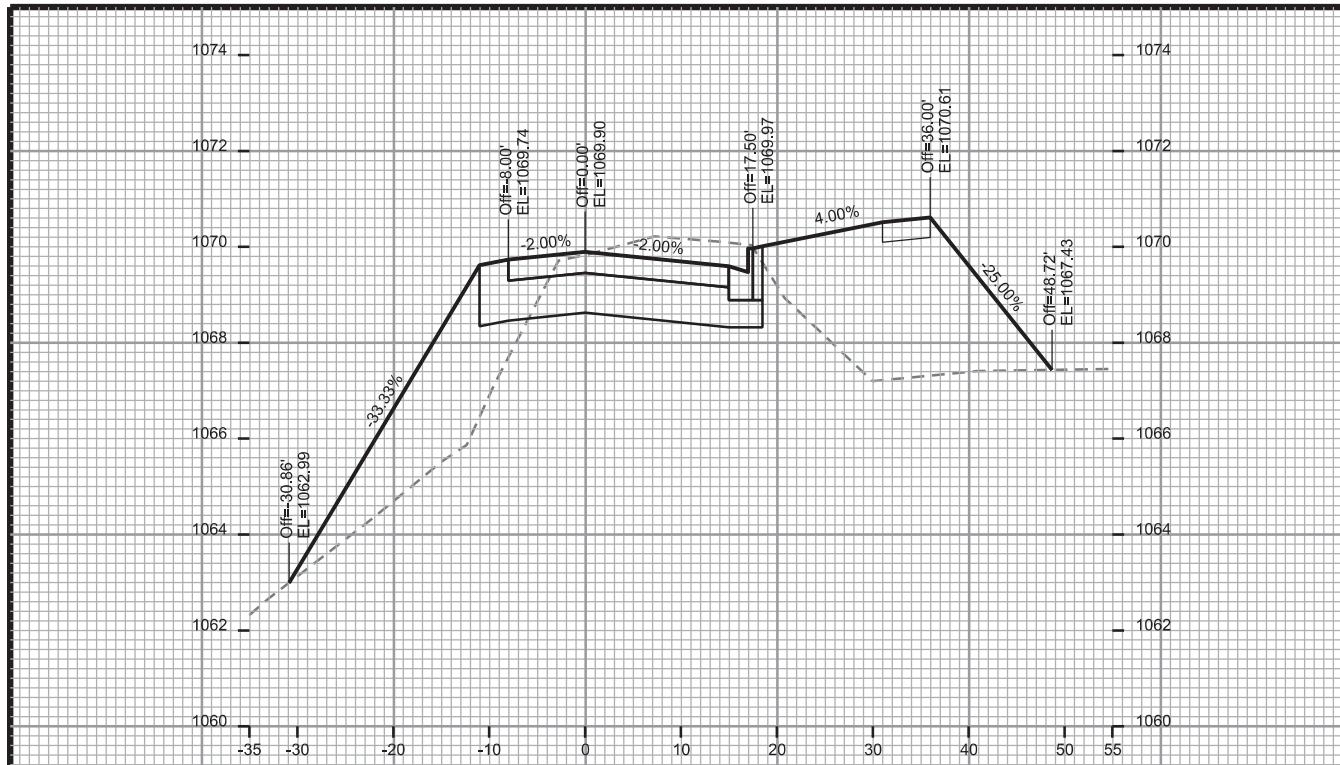
CITY OF MADISON

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CROSS SECTIONS

SUGAR MAPLE LANE

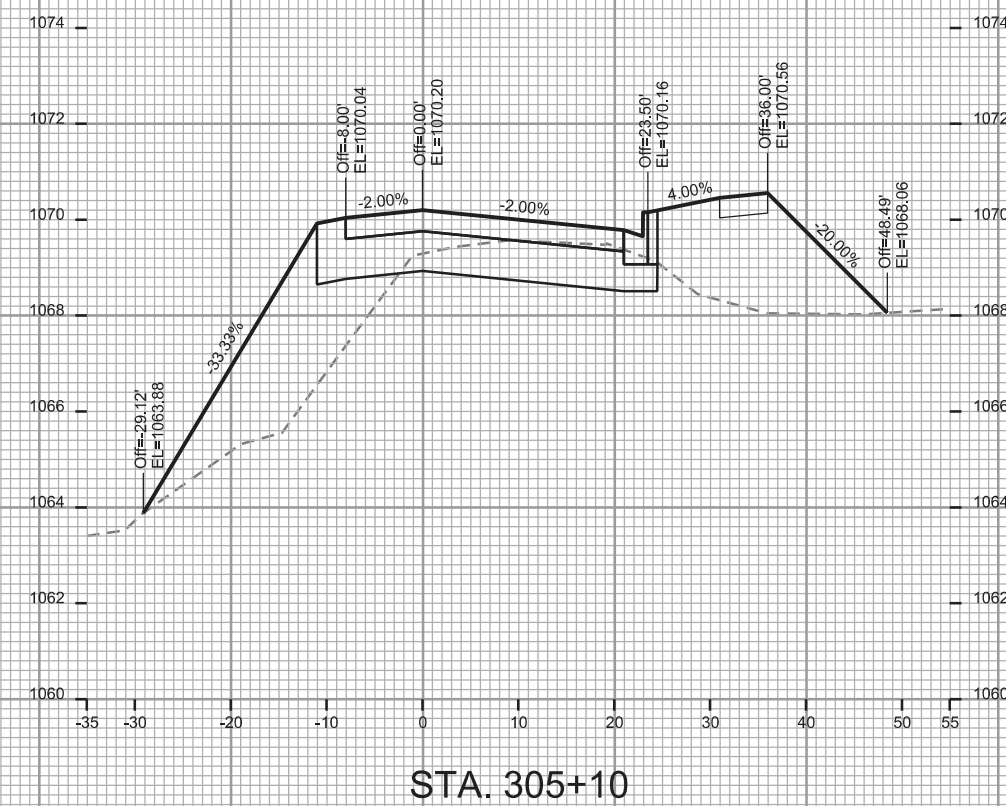
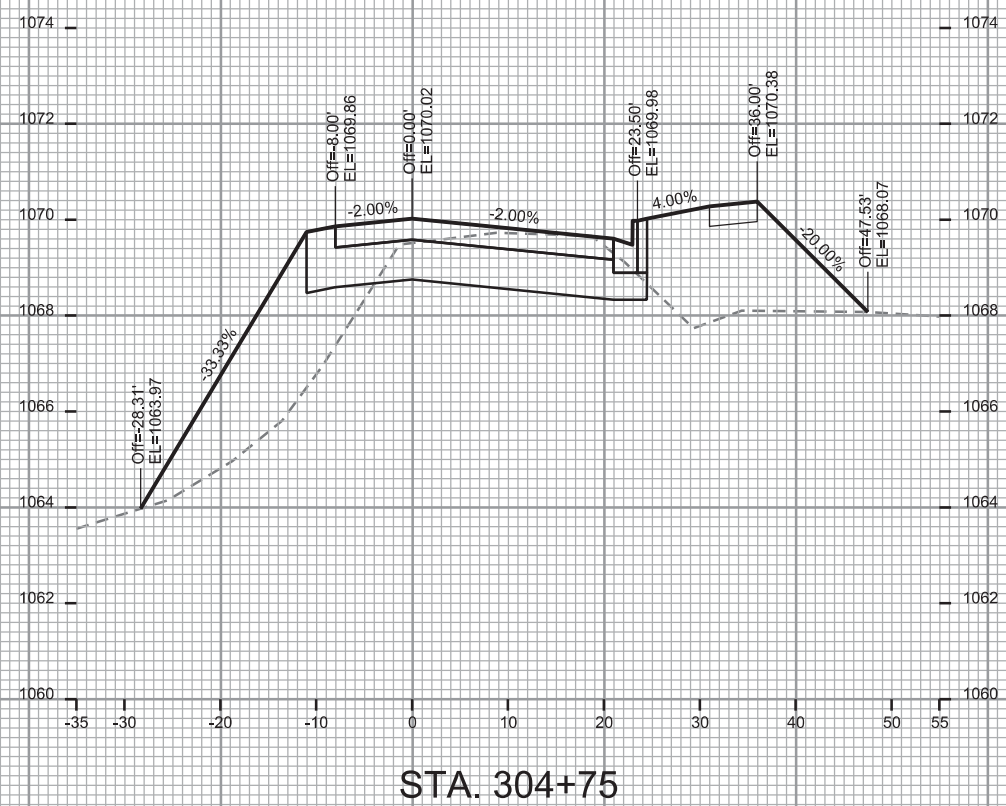
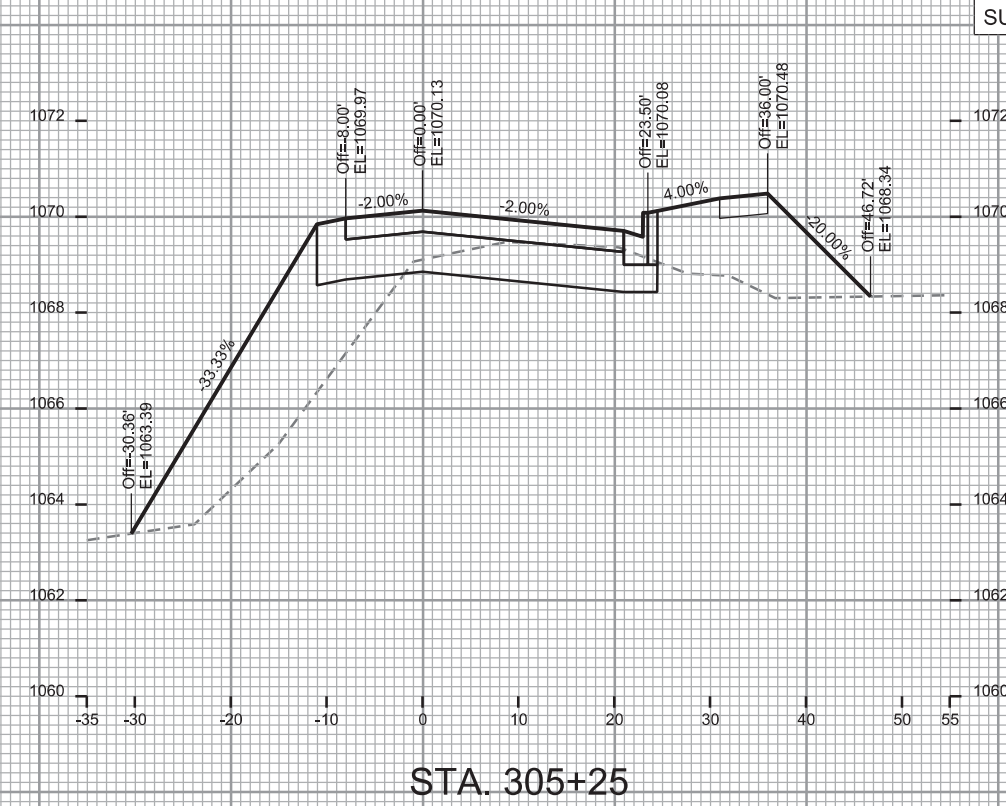
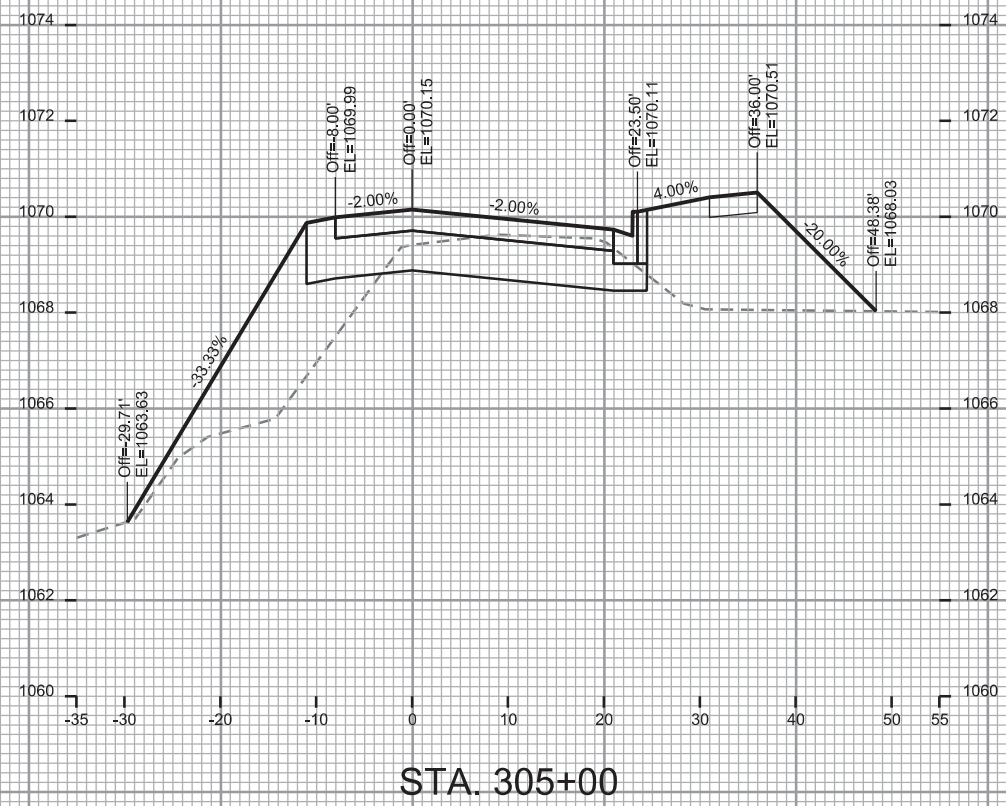
CITY OF MADISON

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CROSS SECTIONS

SUGAR MAPLE LANE

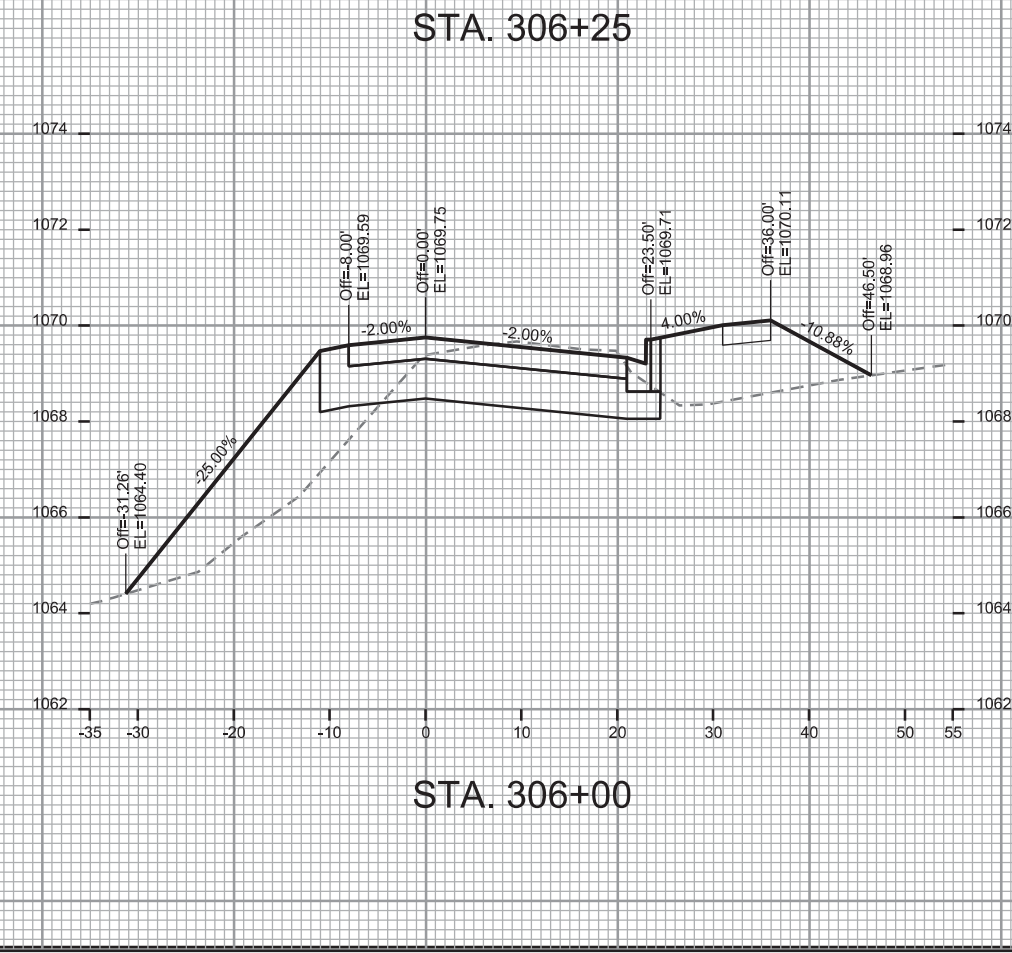
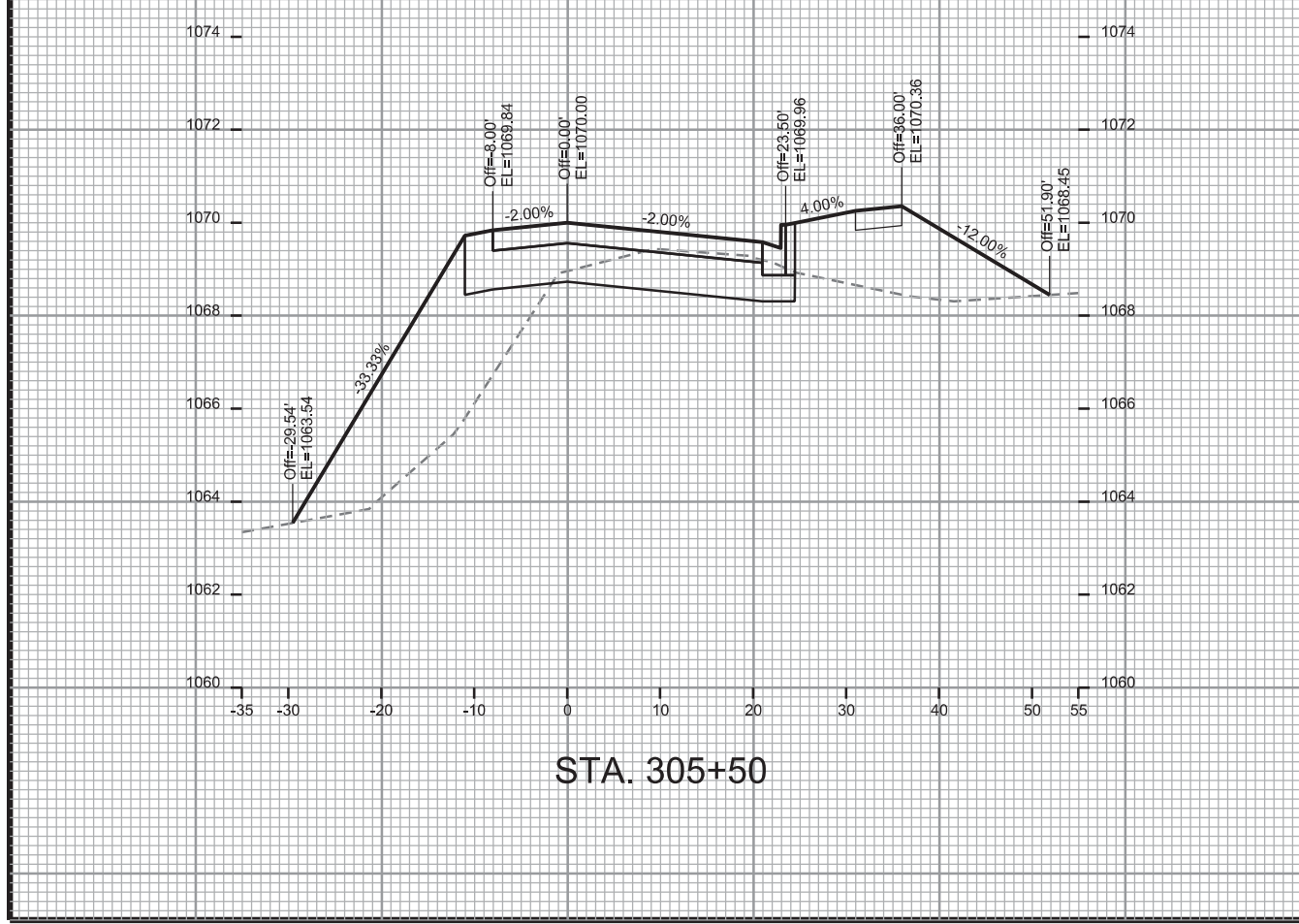
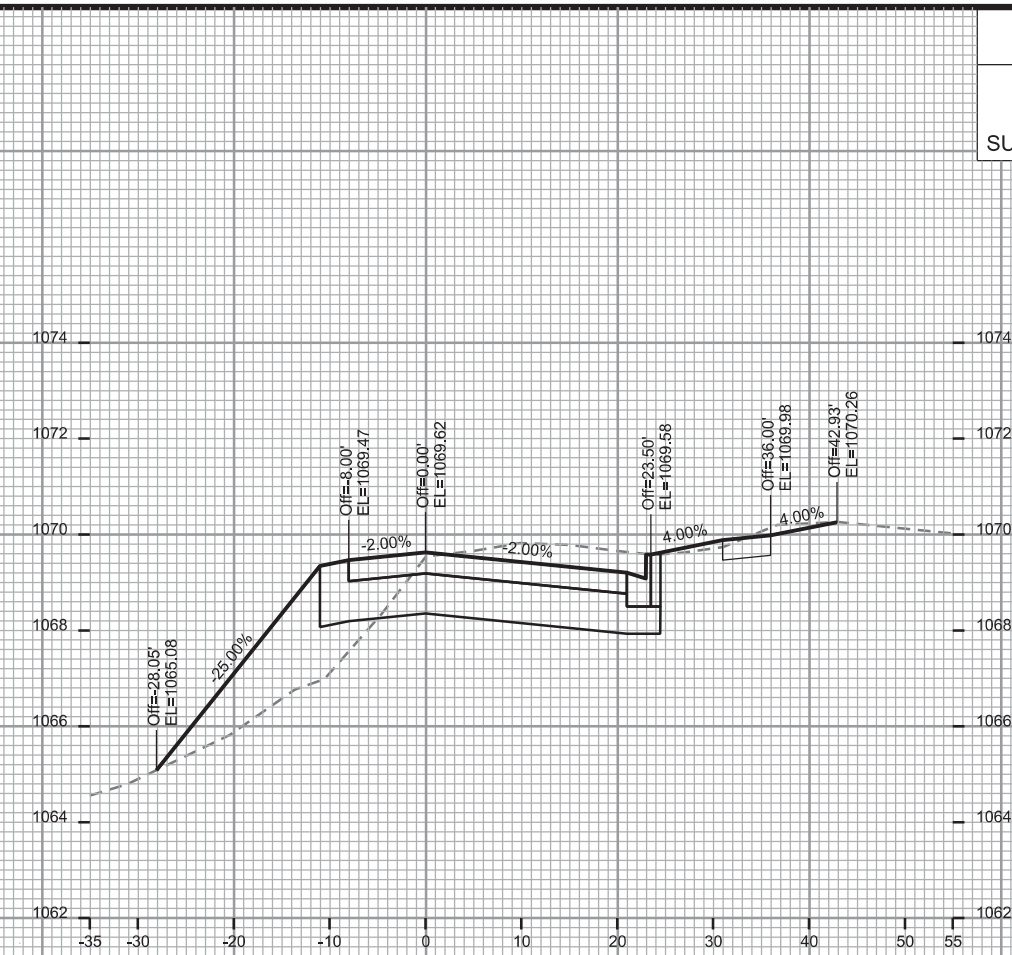
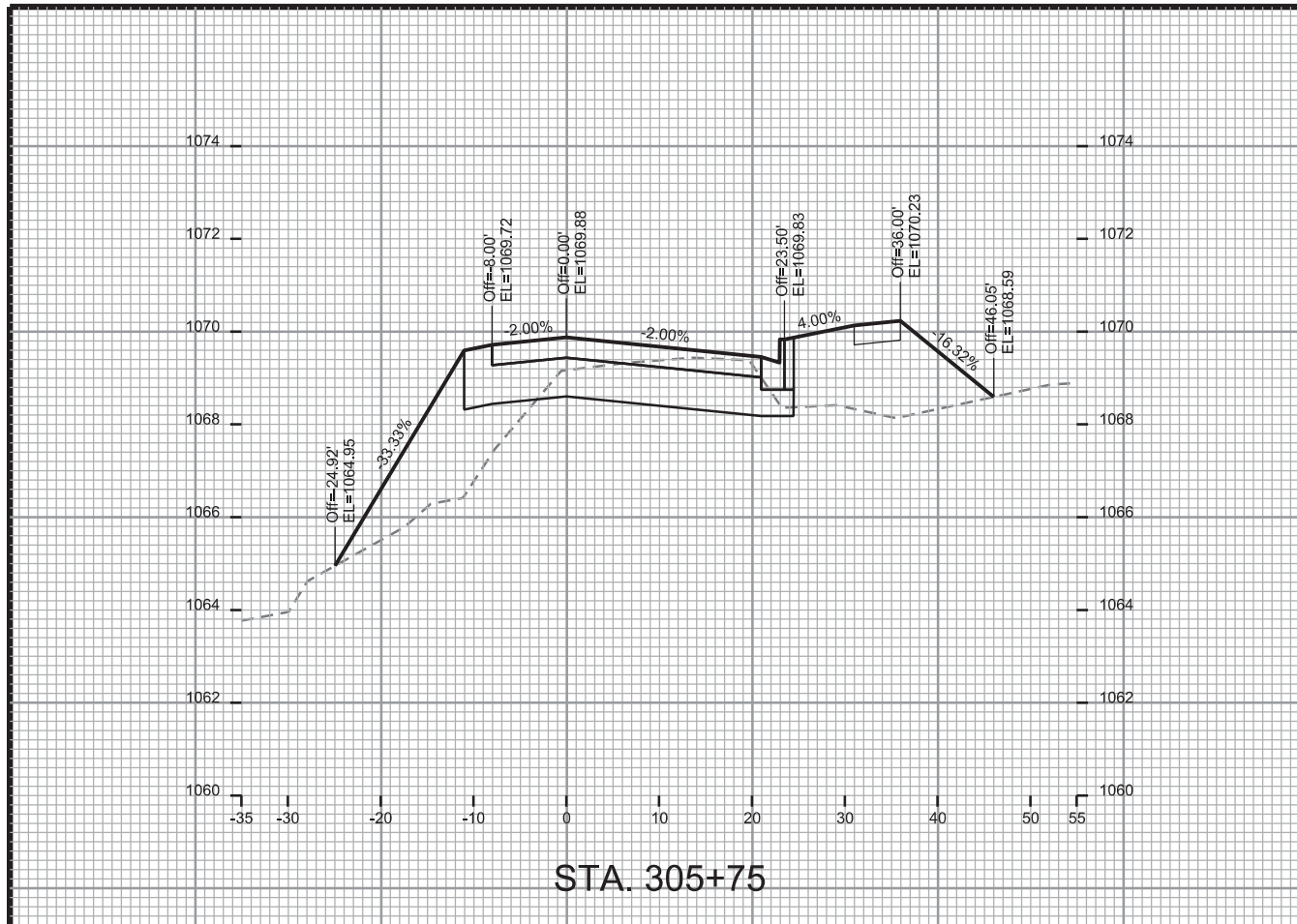
CITY OF MADISON

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SUGAR MAPLE LANE

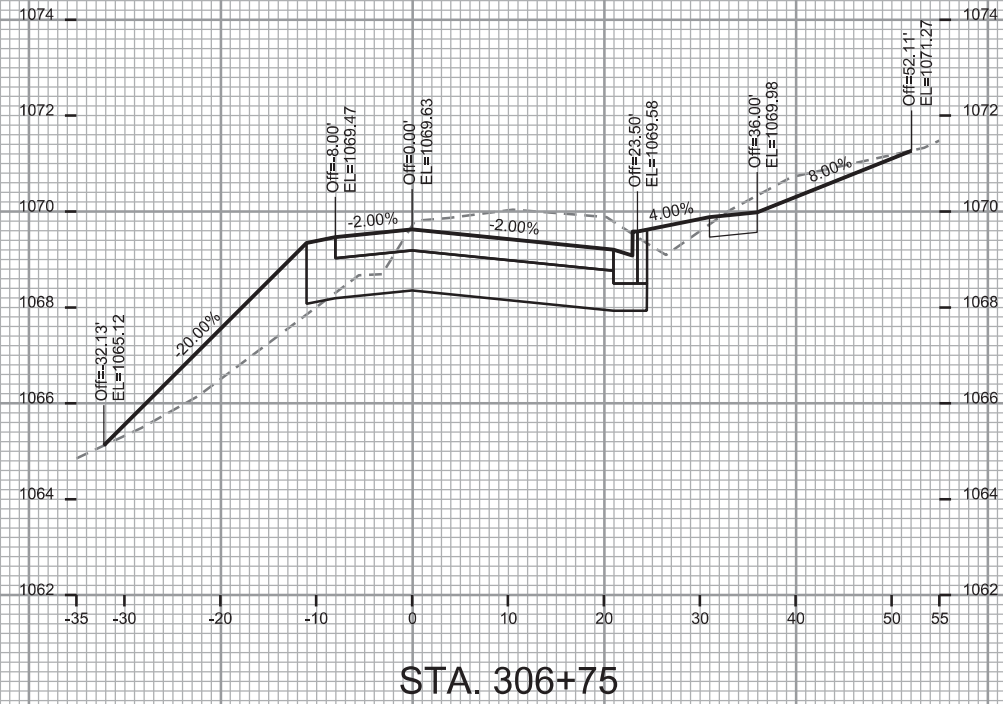
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SEE SUGAR MAPLE PH. 2 PROJ. NO. 53B2380 PLANS FOR CROSS SECTIONS FROM STA 307+00 TO STA 312+00

