

Madison, Wisconsin

# CITY OF MADISON

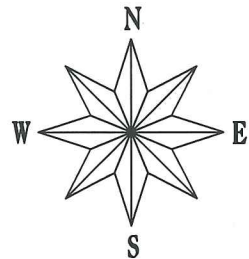
## CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

### PLAN OF PROPOSED IMPROVEMENT

#### SUGAR MAPLE PHASE 3

CITY PROJECT NO. 10514

CITY CONTRACT NO. 2420



#### INDEX OF SHEETS

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U5	STORM SEWER SCHEDULE
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PUBLIC IMPROVEMENT PROJECT APPROVED

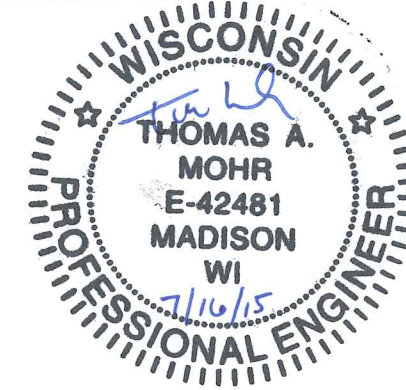
JUNE 2, 2015

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

*[Signature]* 7/2/15  
City Engineer Date

STREET GEOMETRY & MARKINGS DESIGNED BY:



STREET GRADES DESIGNED BY:



ELECTRICAL PLAN DESIGNED BY:



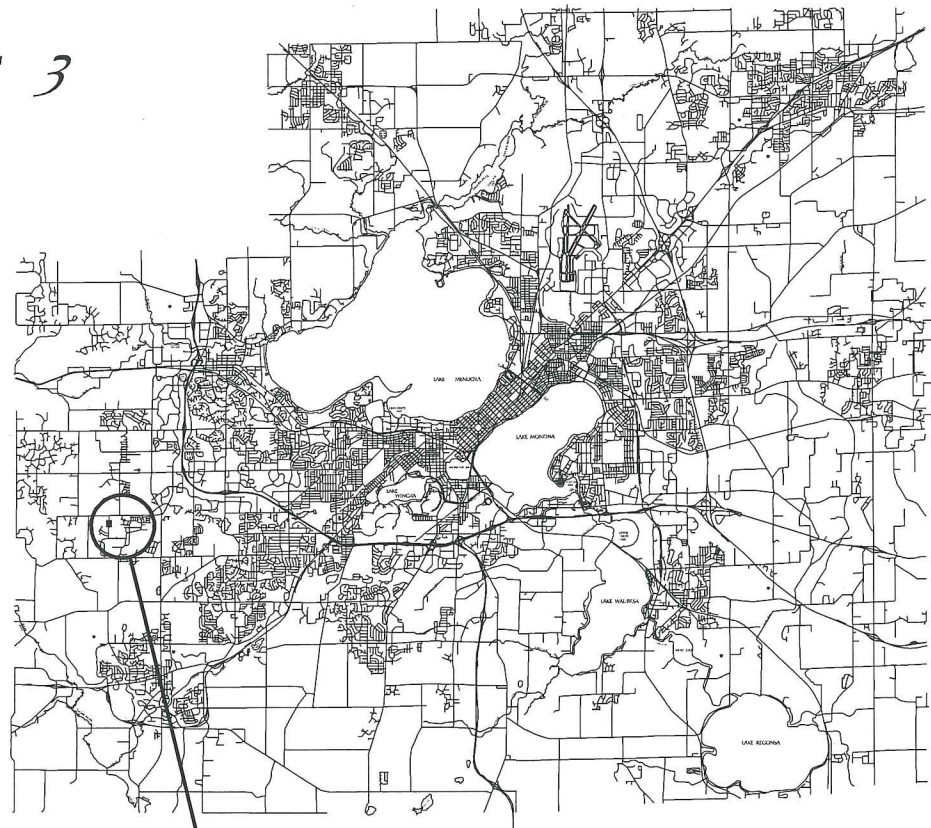
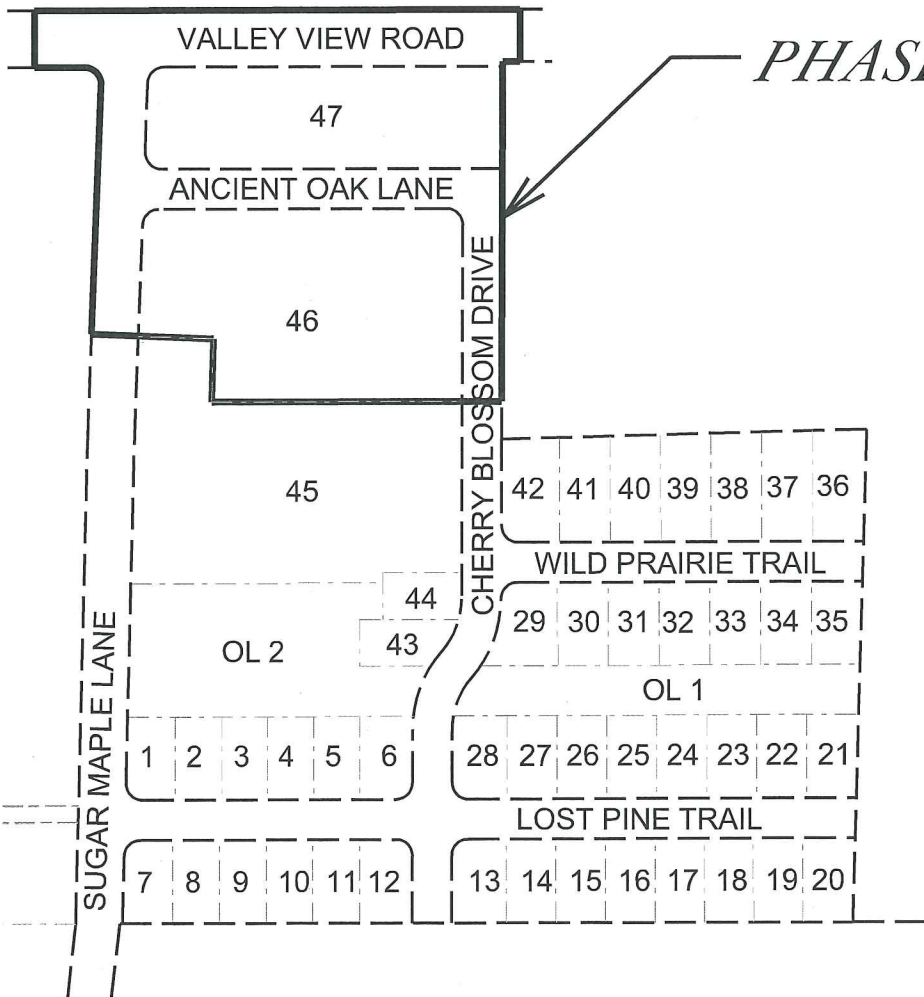
SANITARY SEWER DESIGNED BY:



WATER DESIGNED BY:



STORM SEWER DESIGNED BY:



### PROJECT LOCATION

PLOT SCALE:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

THE DEVELOPER/CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO CITY OF MADISON TRAFFIC ENGINEERING DIVISION A MINIMUM OF 10 WORKING DAYS PRIOR TO THE ANTICIPATED START OF WORK.

SUGAR MAPLE LANE MAY BE FULLY CLOSED DURING CONSTRUCTION. PLACE ONE MESSAGE BOARD FACING EACH DIRECTION ON SUGAR MAPLE LANE, JUST SOUTH OF ANCIENT OAK LANE FOR SEVEN DAYS IN ADVANCE OF THE START OF THE CLOSURE DISPLAYING:

ROAD  
CLOSED  
STARTING

MONDAY  
AUG XX

USE ALT  
ROUTE

VALLEY VIEW ROAD SHALL BE FULLY OPEN TO TRAFFIC DURING PEAK TRAFFIC HOURS, WHICH ARE DEFINED AS 7:00 A.M. TO 8:30 A.M. AND 4:00 P.M. TO 5:30 P.M. DURING OFF-PEAK HOURS, TRAFFIC MAY BE FLAGGED THROUGH ON VALLEY VIEW ROAD.

ALL PAVEMENTS WITHIN THE SUGAR MAPLE LANE AND VALLEY VIEW ROAD RIGHT-OF-WAY SHALL BE TYPE C PAVEMENT. ALL PAVEMENT WITHIN THE CHERRY BLOSSOM DRIVE AND ANCIENT OAK LANE RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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

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

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.03. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4:00:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

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

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

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

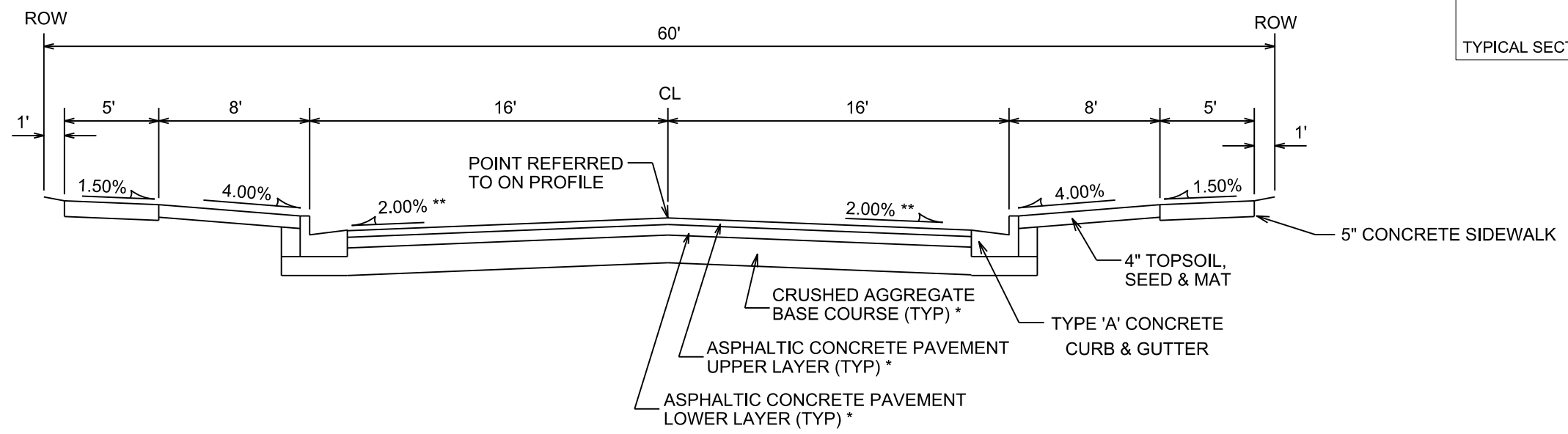
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE:

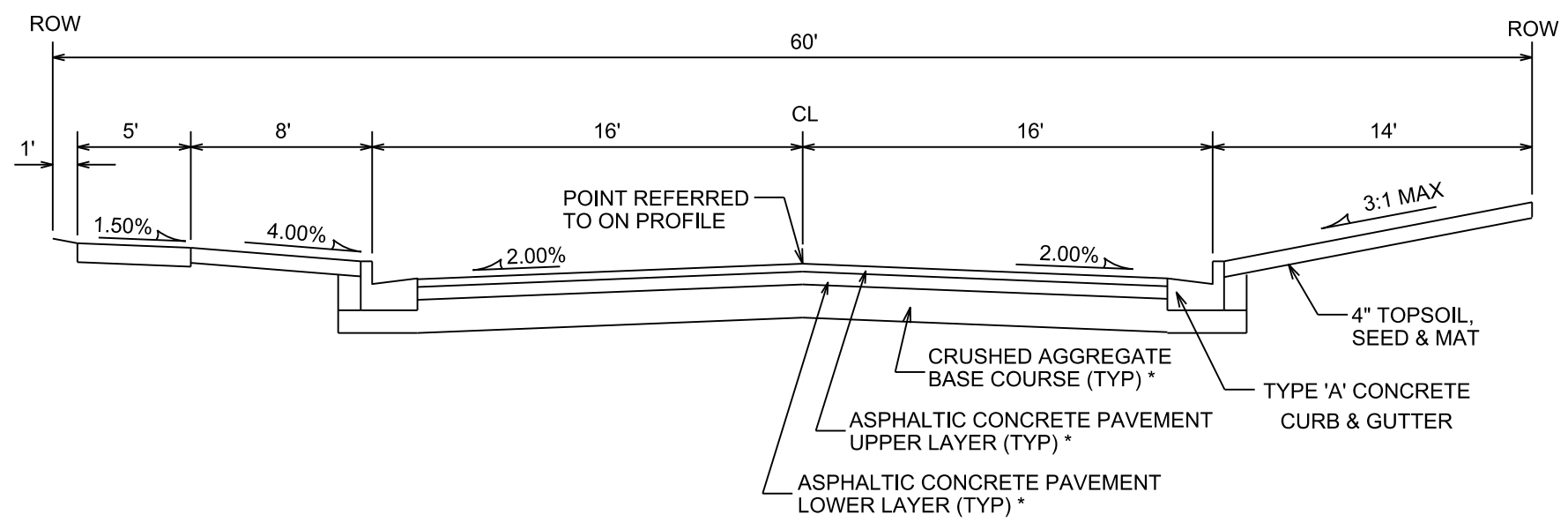
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**  
ANCIENT OAK LANE



**TYPICAL SECTION**  
CHERRY BLOSSOM DRIVE

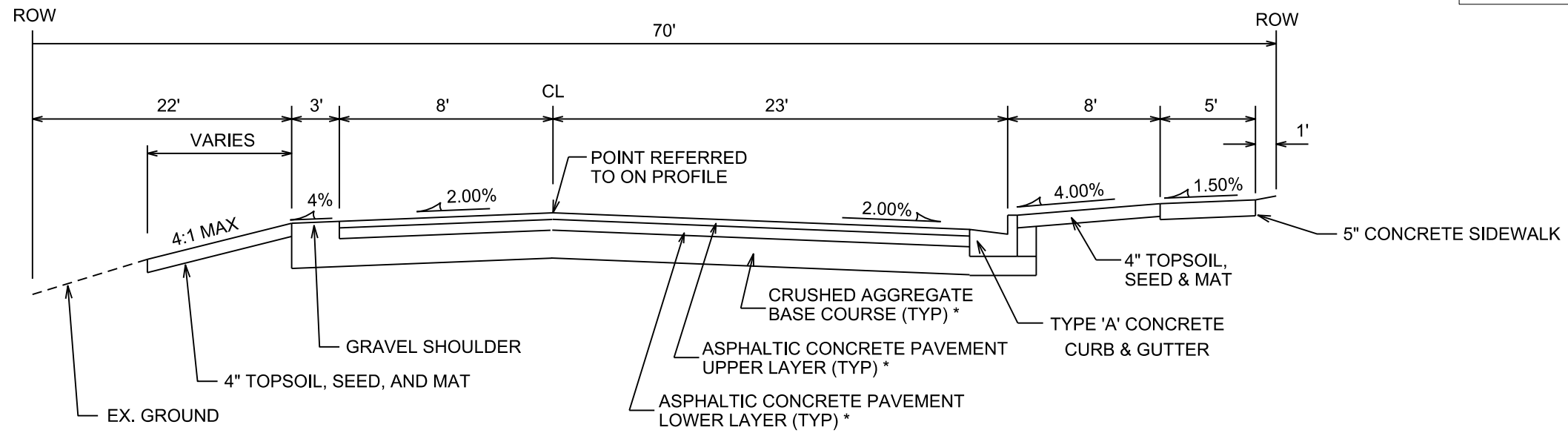
CITY OF MADISON MINIMUM PAVEMENT DESIGN

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:

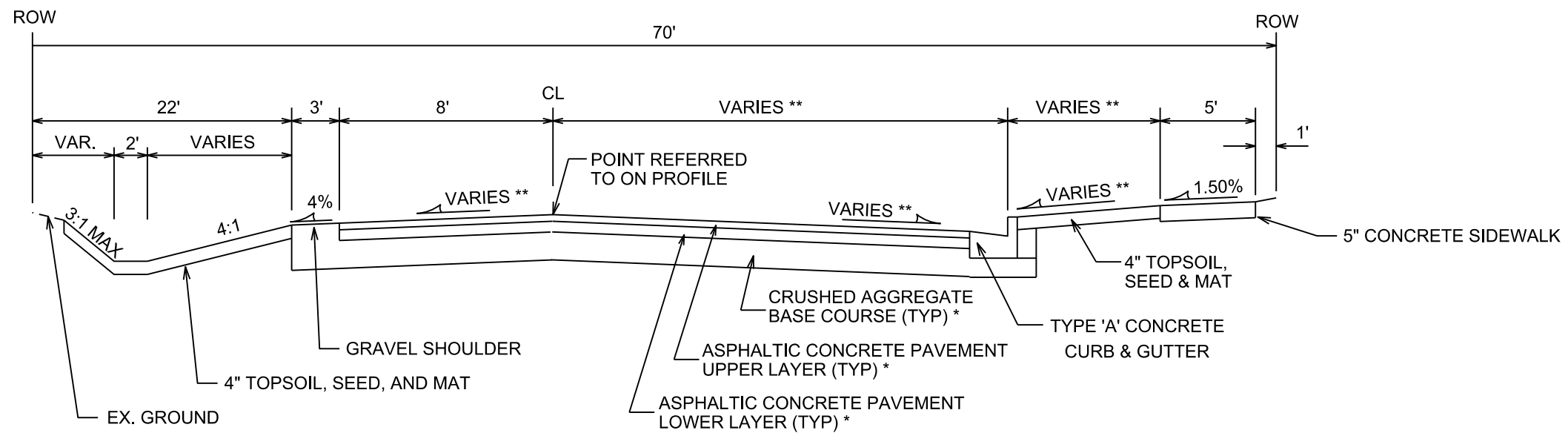
- TYPICAL SECTIONS NOT TO SCALE
- \* ANCIENT OAK LANE AND CHERRY BLOSSOM DRIVE TO BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- \*\* CROSS SLOPE VARIES ON ANCIENT OAK LANE FROM STA 30+25 TO STA 32+50. SEE PLANS

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



### TYPICAL SECTION

SUGAR MAPLE LANE  
(STA 310+50 TO STA 312+06)



### TYPICAL SECTION

SUGAR MAPLE LANE  
(STA 312+06 TO STA 315+00)

#### 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:

TYPICAL SECTIONS NOT TO SCALE

\* SUGAR MAPLE LANE TO BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

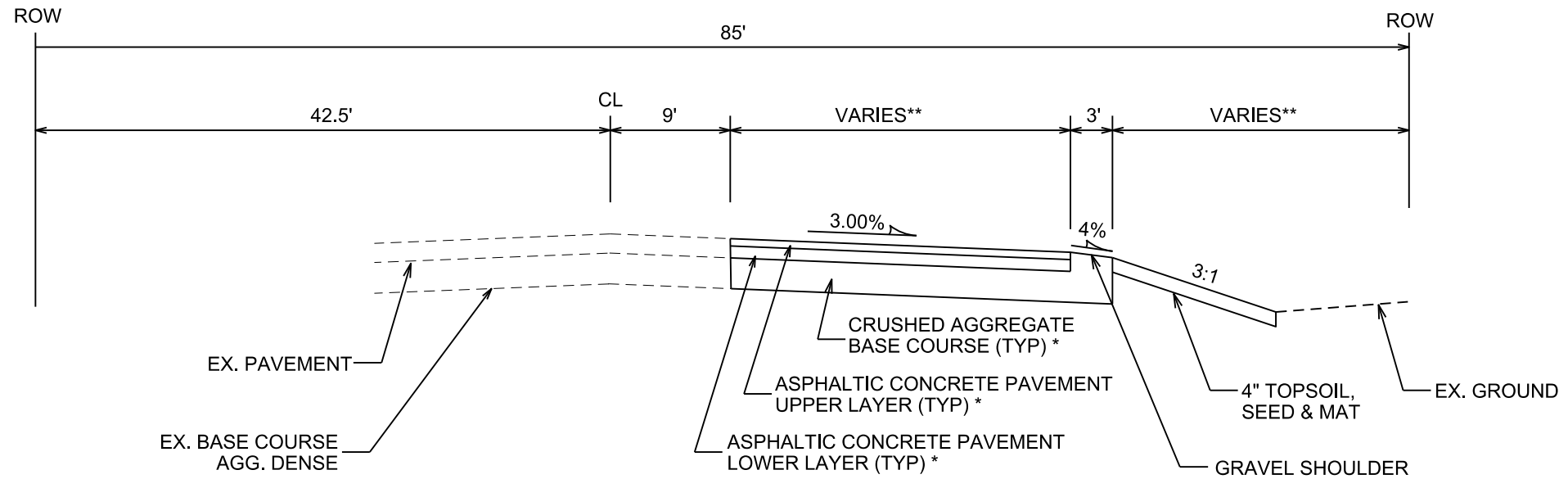
\*\* SEE PLANS AND CROSS SECTIONS FOR OFFSETS, ELEVATIONS, AND SLOPES

PLOT SCALE:

PLOT NAME:

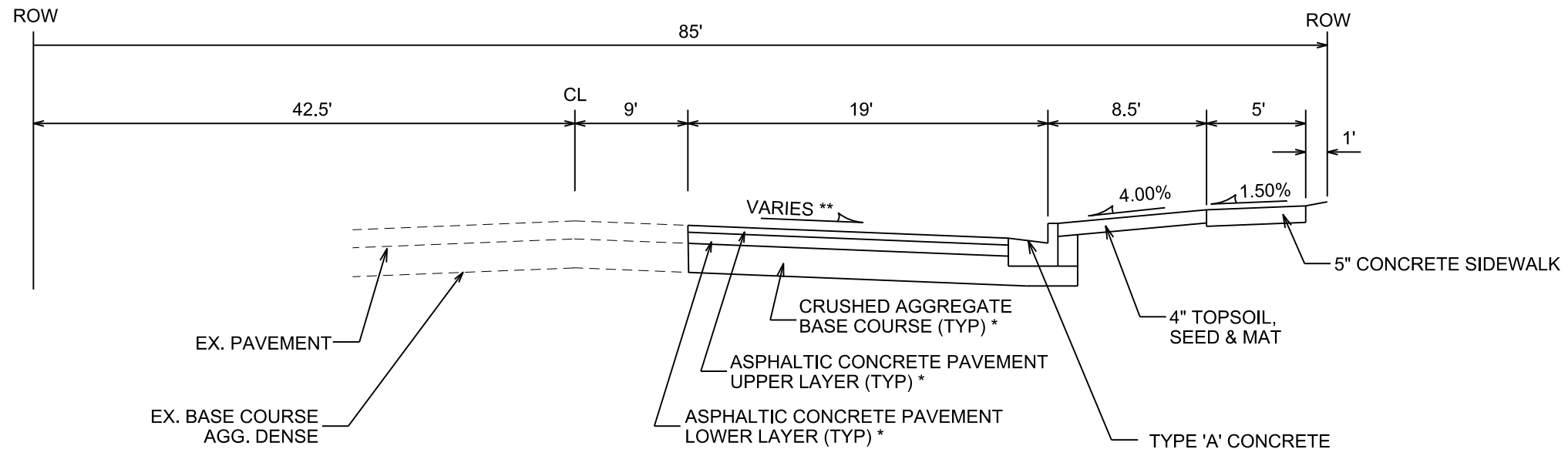
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**

VALLEY VIEW ROAD  
(STA 105+25 TO STA 107+00)



**TYPICAL SECTION**

VALLEY VIEW ROAD  
(STA 107+00 TO STA 111+50)

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:

TYPICAL SECTIONS NOT TO SCALE

\* VALLEY VIEW RD TO BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

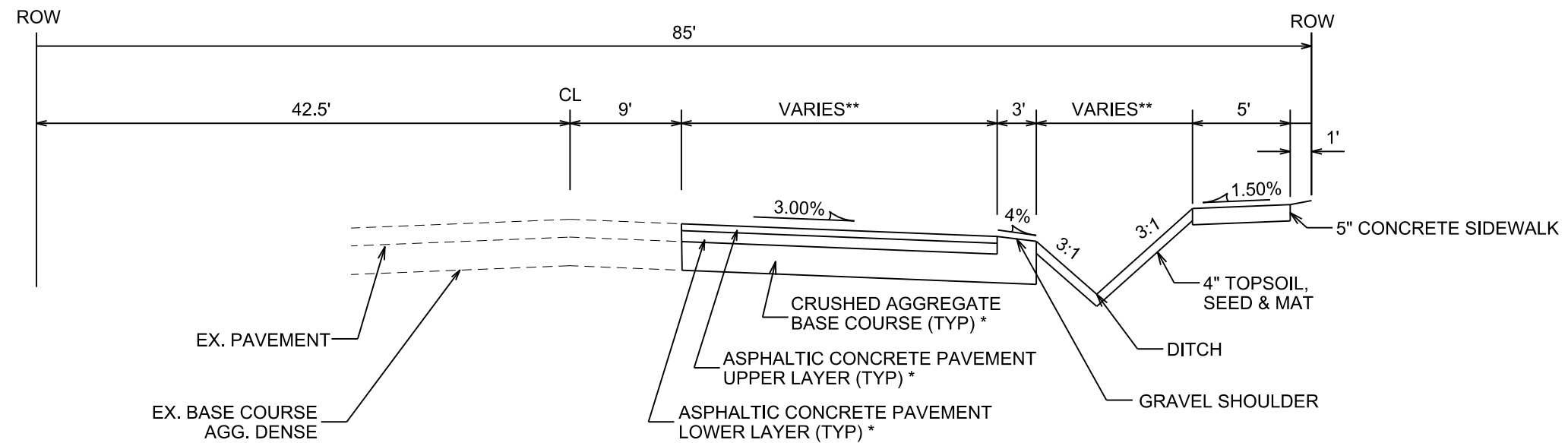
\*\* SEE PLANS AND CROSS SECTIONS FOR OFFSETS, ELEVATIONS, AND SLOPES

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



### TYPICAL SECTION

VALLEY VIEW ROAD  
(STA 111+50 TO STA 113+07)

#### CITY OF MADISON MINIMUM PAVEMENT DESIGN

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	2.25"	E-1	2"
C	6"	4"	E-3	3.25"	E-3	2"

#### NOTES:

TYPICAL SECTIONS NOT TO SCALE

\* VALLEY VIEW RD TO BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

\*\* SEE PLANS AND CROSS SECTIONS FOR OFFSETS, ELEVATIONS, AND SLOPES

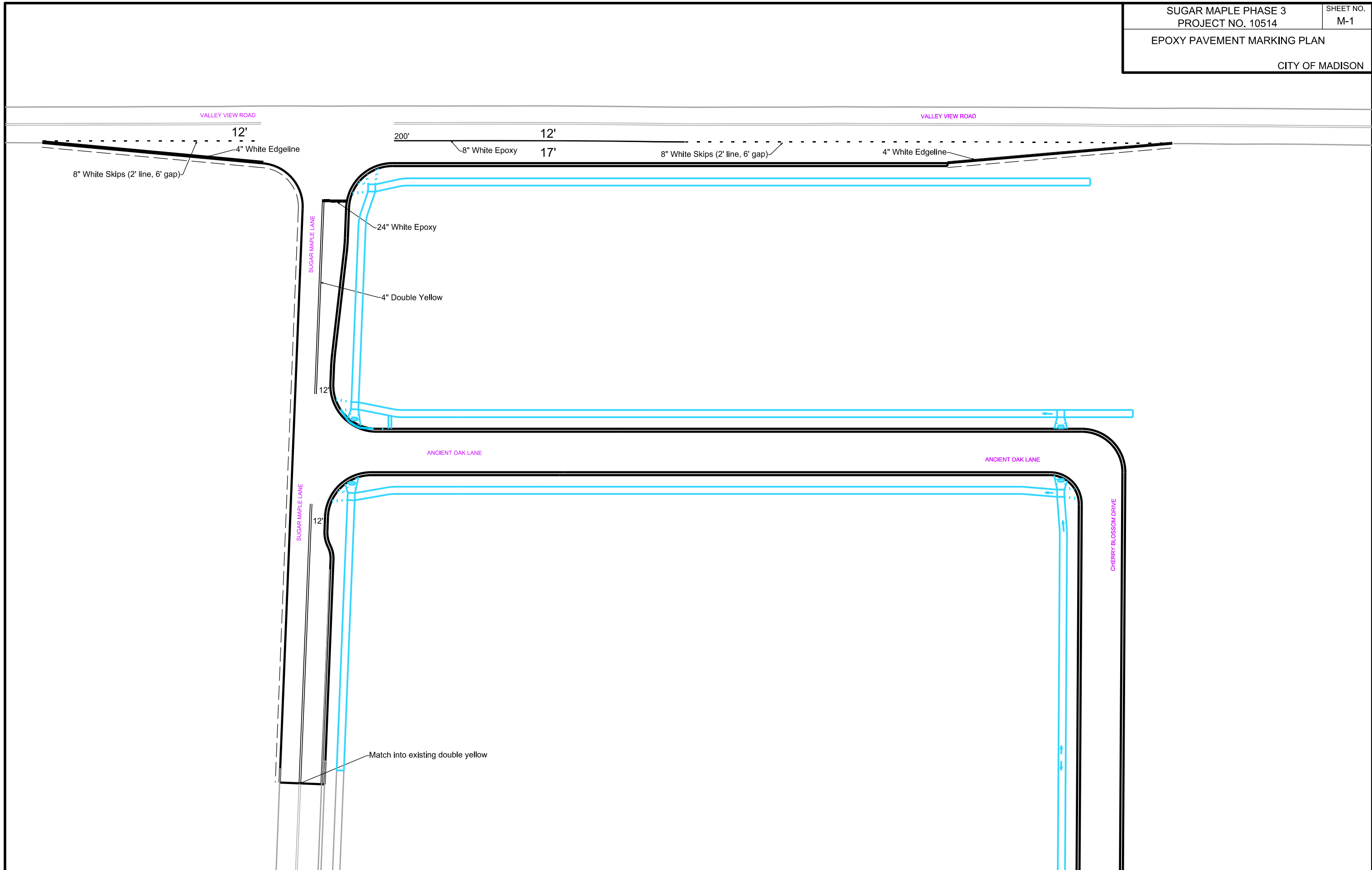
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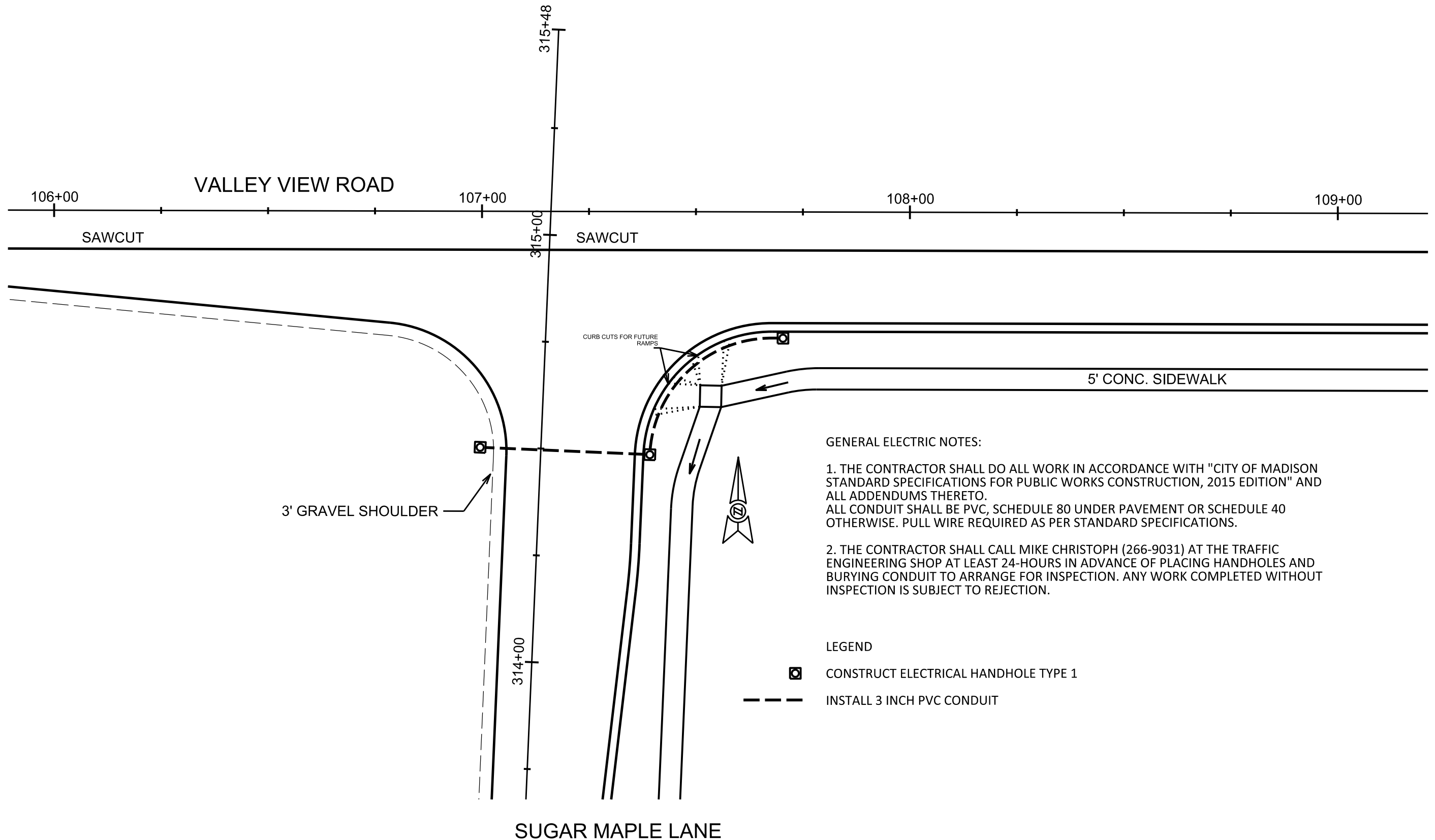
REV. DATE:

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.



GENERAL ELECTRIC NOTES:

1. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2015 EDITION" AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF PLACING HANDHOLES AND BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.

LEGEND

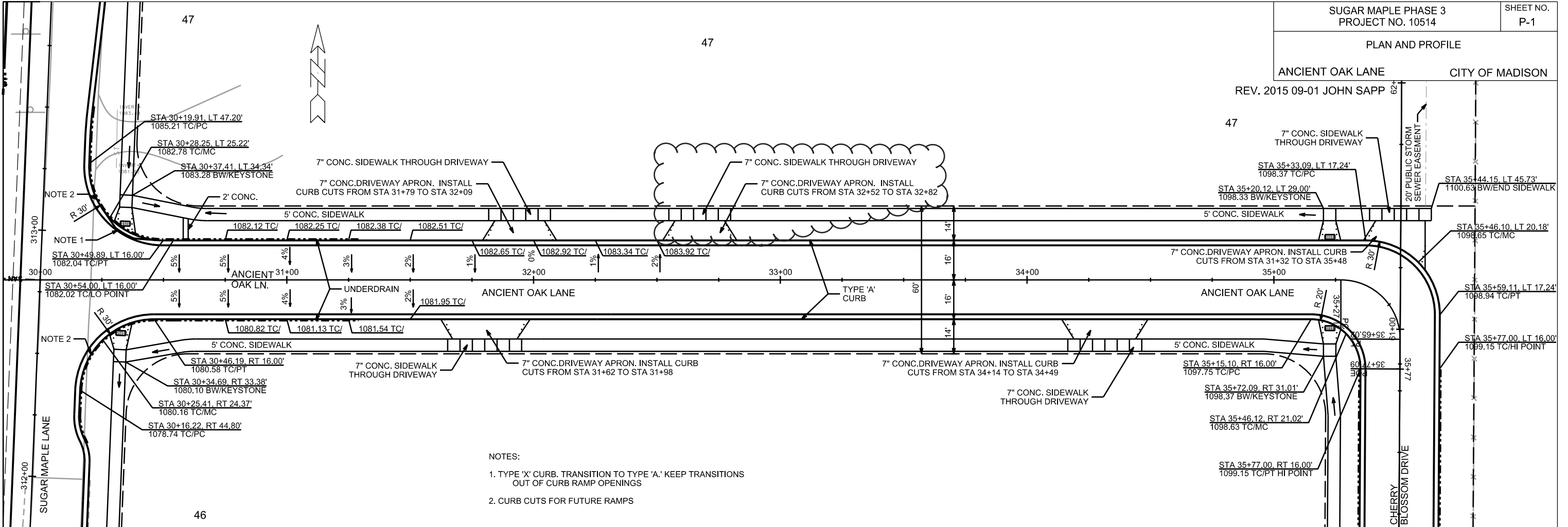
- CONSTRUCT ELECTRICAL HANDHOLE TYPE 1
- INSTALL 3 INCH PVC CONDUIT



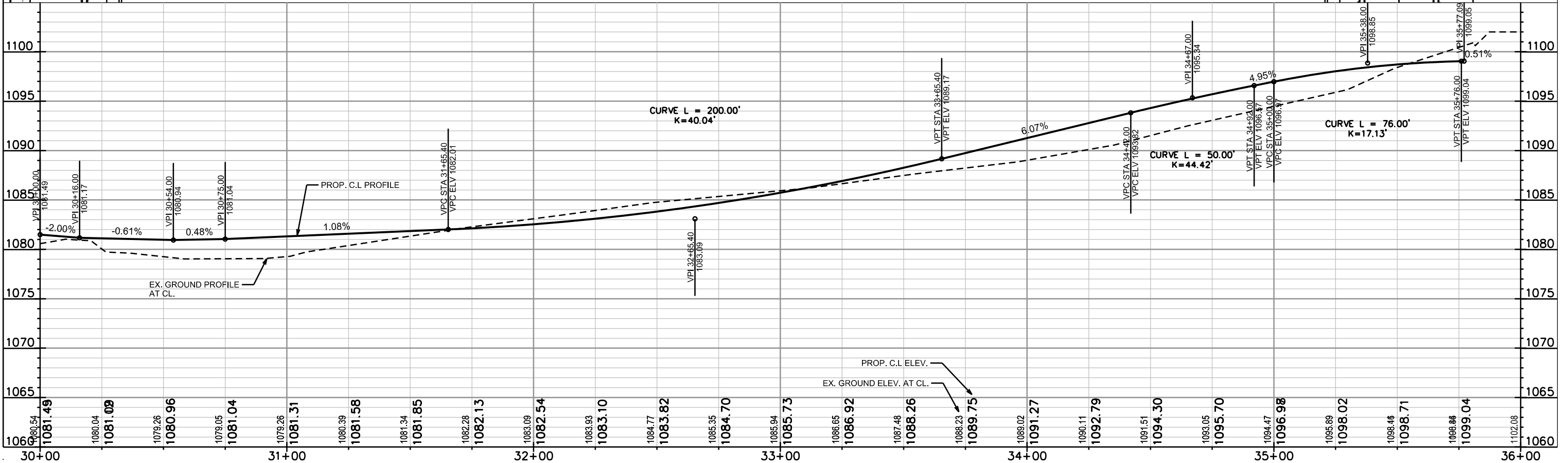
PLAN AND PROFILE

ANCIENT OAK LANE CITY OF MADISON

REV. 2015 09-01 JOHN SAPP

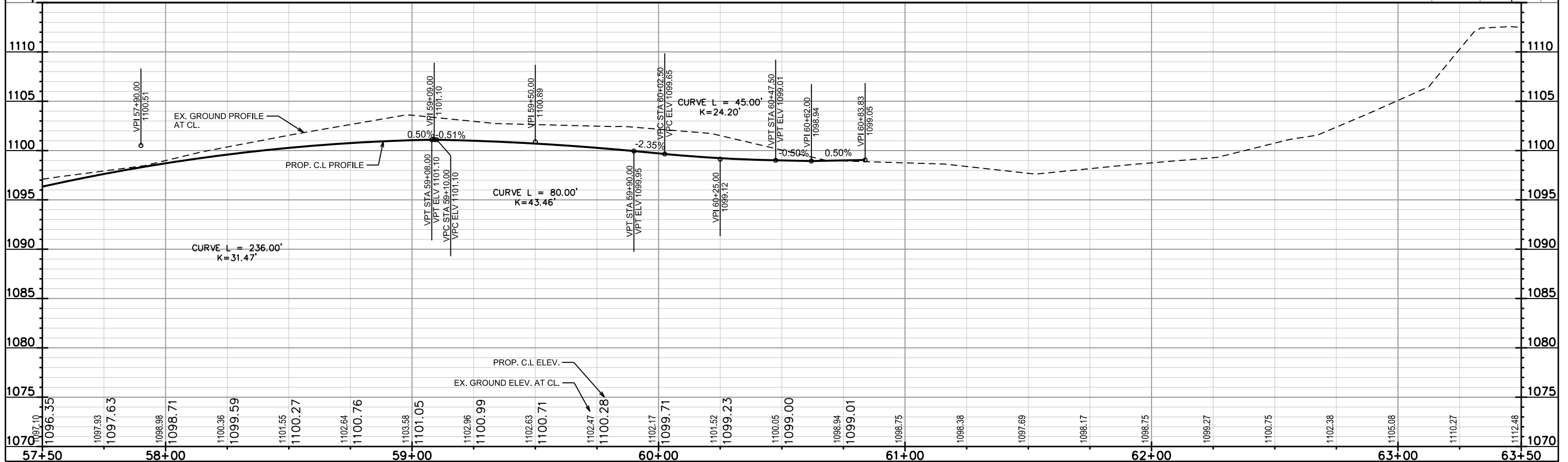
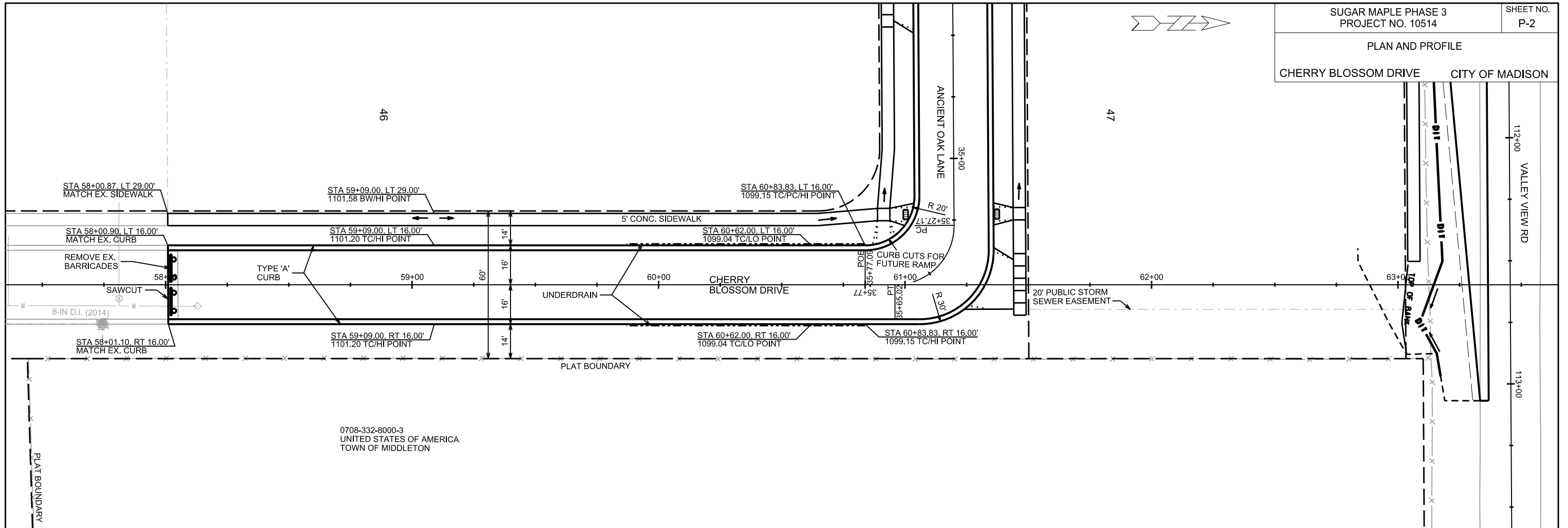


- NOTES:
1. TYPE 'X' CURB. TRANSITION TO TYPE 'A'. KEEP TRANSITIONS OUT OF CURB RAMP OPENINGS
  2. CURB CUTS FOR FUTURE RAMPS



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

PLAN AND PROFILE  
CHERRY BLOSSOM DRIVE CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

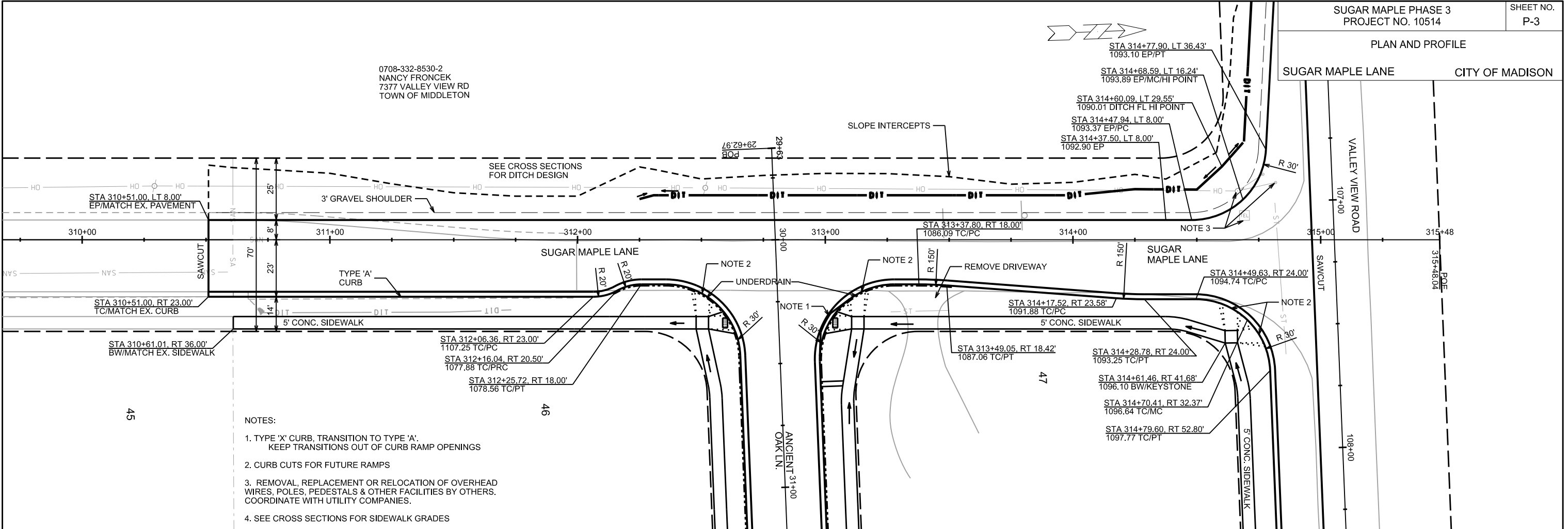
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DATE:

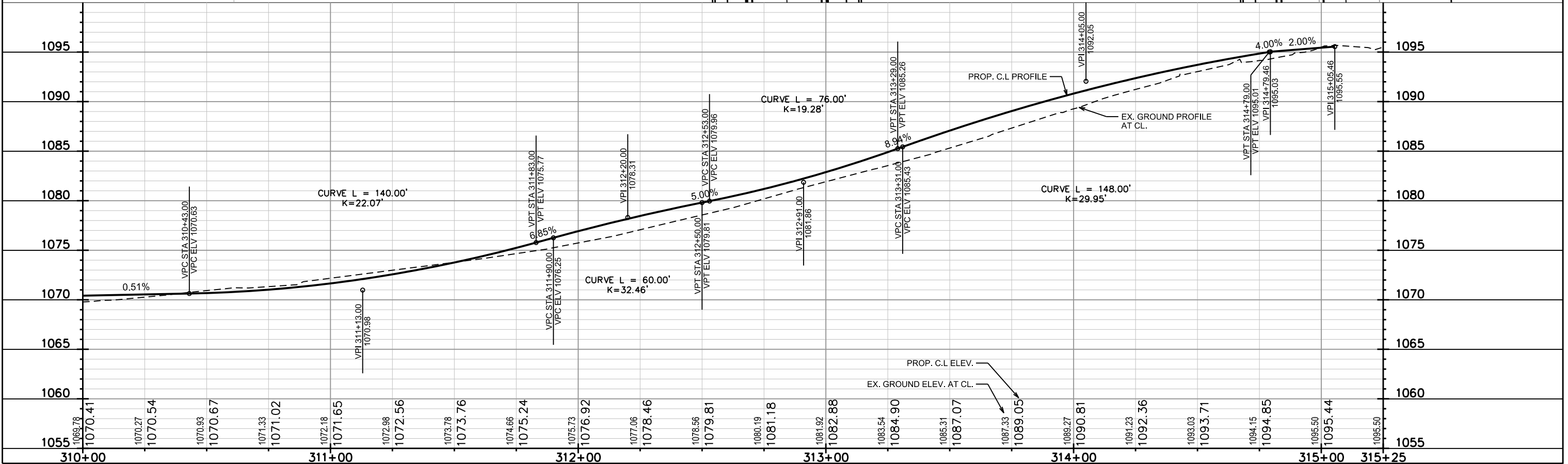
PLAN AND PROFILE

SUGAR MAPLE LANE CITY OF MADISON

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



- NOTES:
1. TYPE 'X' CURB, TRANSITION TO TYPE 'A'. KEEP TRANSITIONS OUT OF CURB RAMP OPENINGS
  2. CURB CUTS FOR FUTURE RAMPS
  3. REMOVAL, REPLACEMENT OR RELOCATION OF OVERHEAD WIRES, POLES, PEDESTALS & OTHER FACILITIES BY OTHERS. COORDINATE WITH UTILITY COMPANIES.
  4. SEE CROSS SECTIONS FOR SIDEWALK GRADES

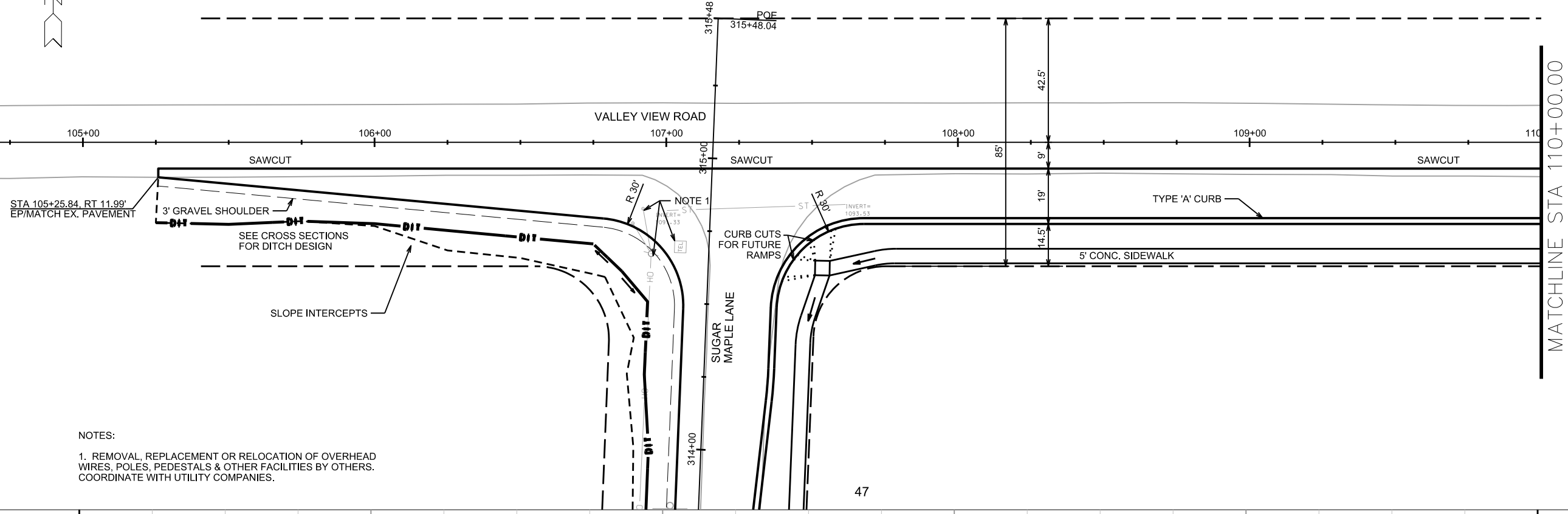
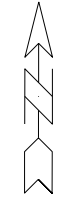


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PLOT NAME:

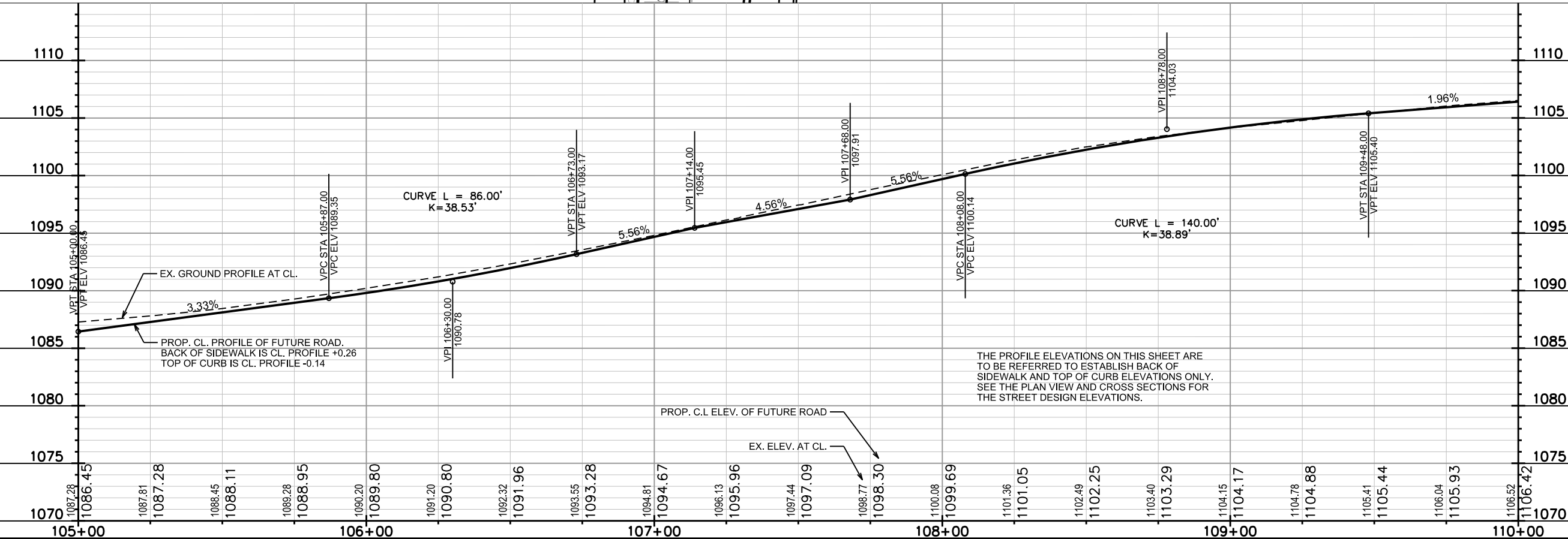
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

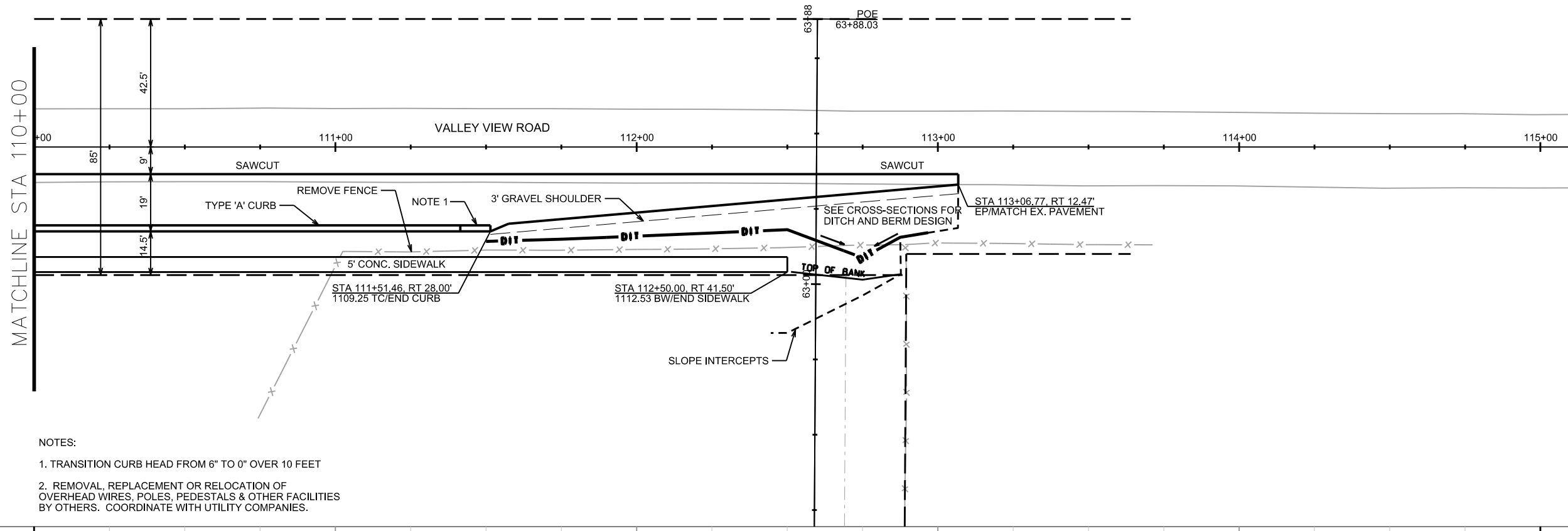


NOTES:  
1. REMOVAL, REPLACEMENT OR RELOCATION OF OVERHEAD WIRES, POLES, PEDESTALS & OTHER FACILITIES BY OTHERS. COORDINATE WITH UTILITY COMPANIES.

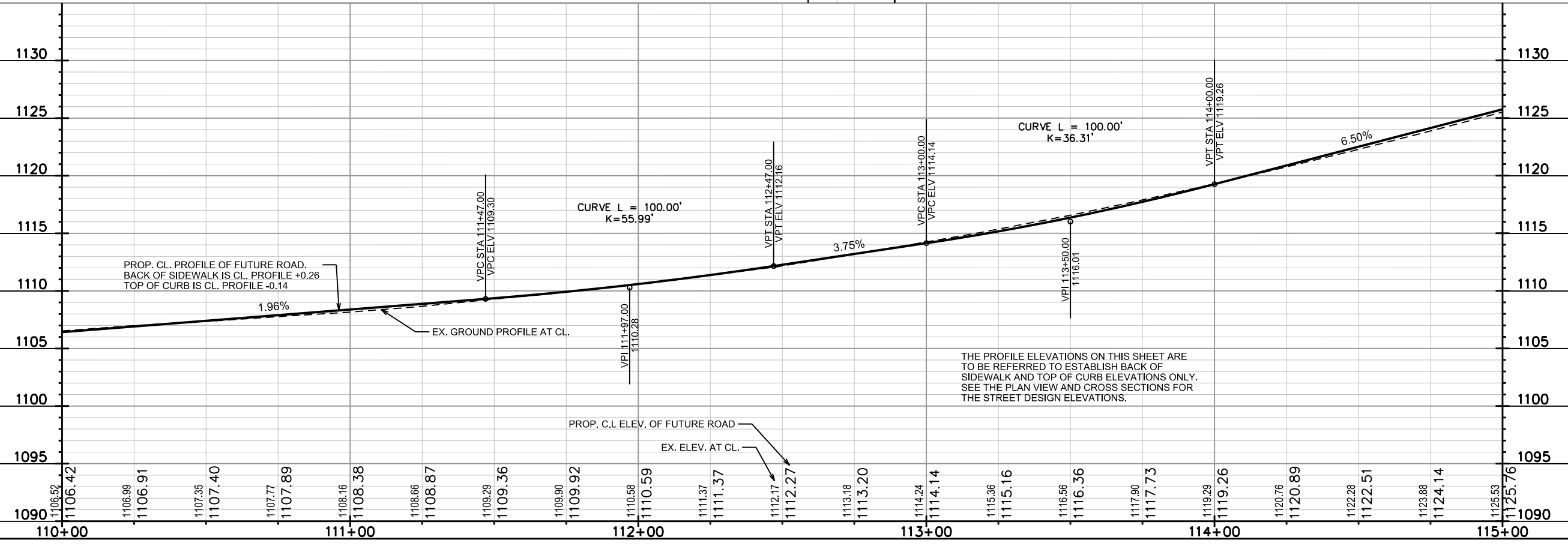
47



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



- NOTES:
1. TRANSITION CURB HEAD FROM 6" TO 0" OVER 10 FEET
  2. REMOVAL, REPLACEMENT OR RELOCATION OF OVERHEAD WIRES, POLES, PEDESTALS & OTHER FACILITIES BY OTHERS. COORDINATE WITH UTILITY COMPANIES.



PLOT SCALE:

PLOT NAME:

REV. DATE:

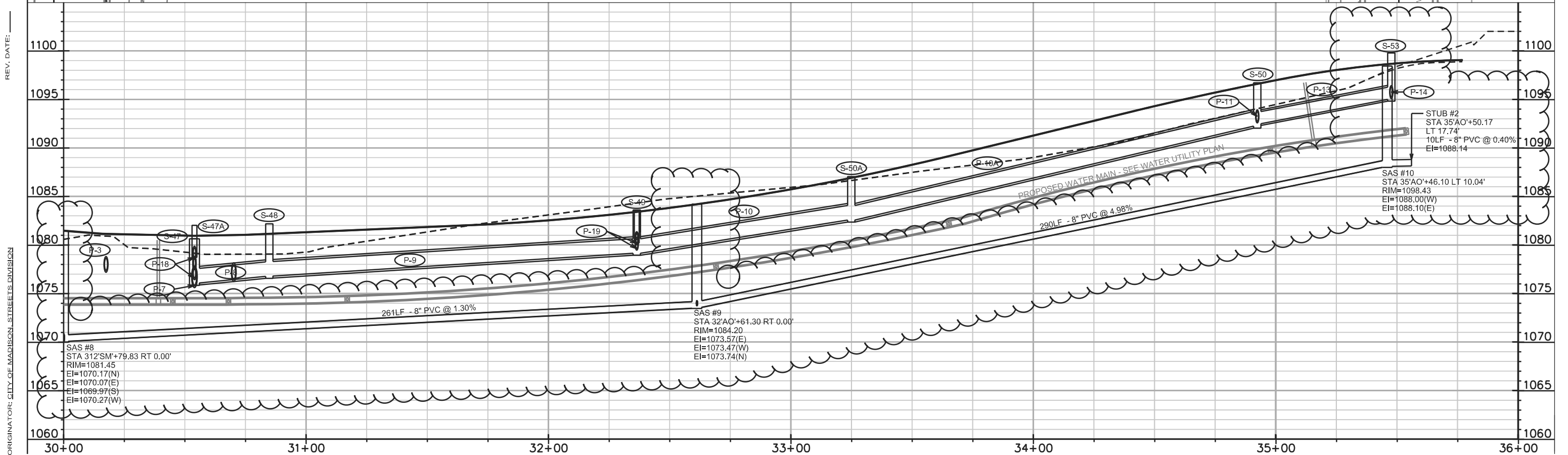
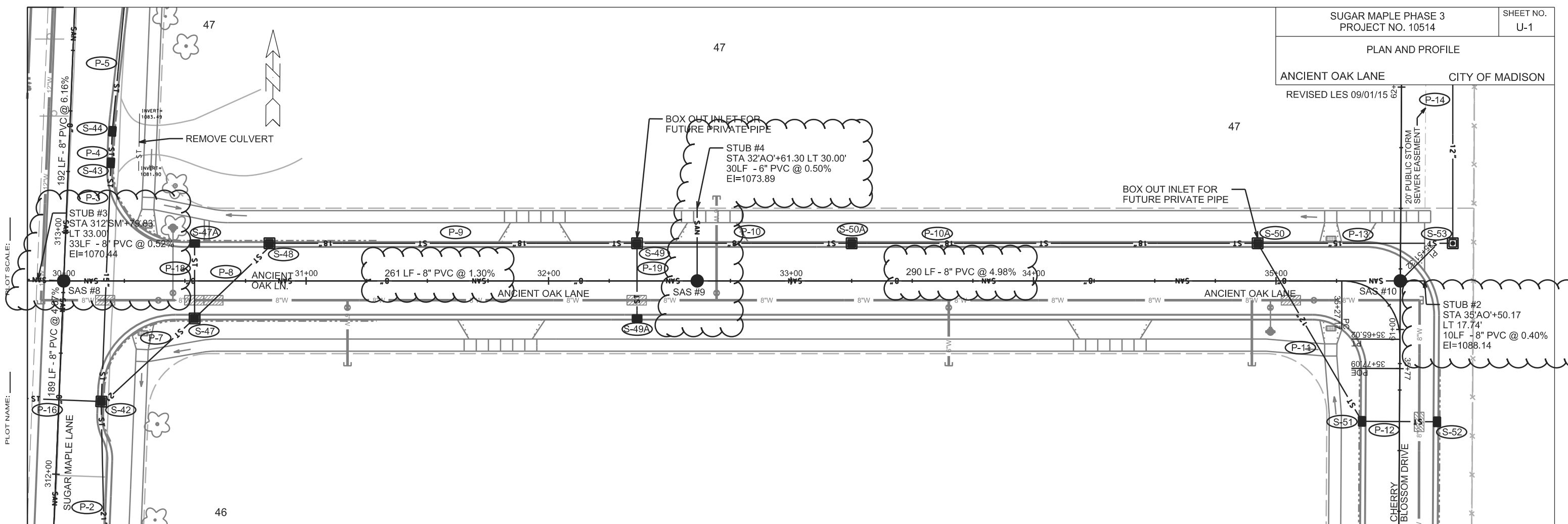
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

ANCIENT OAK LANE CITY OF MADISON

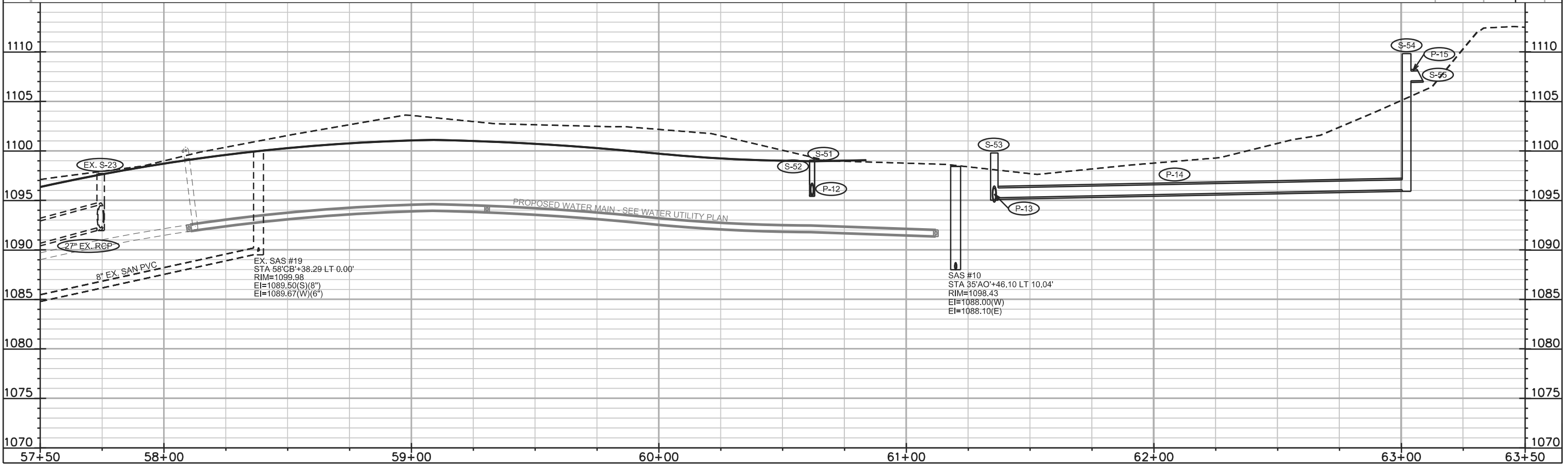
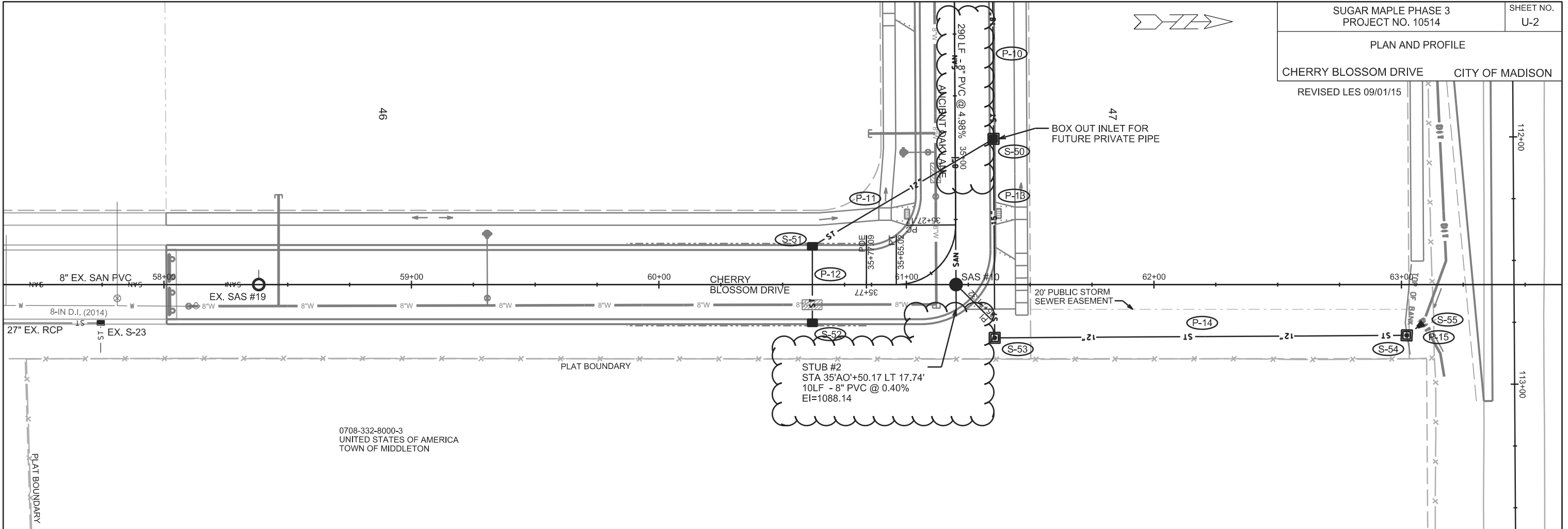
REVISED LES 09/01/15



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

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



PLOT SCALE:

PLOT NAME:

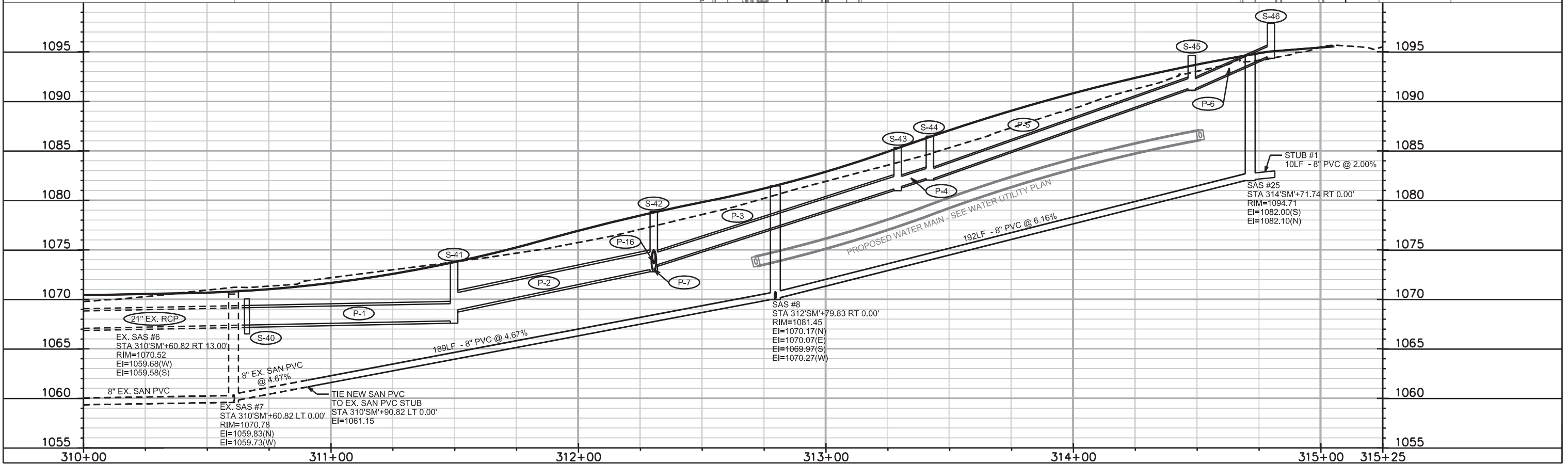
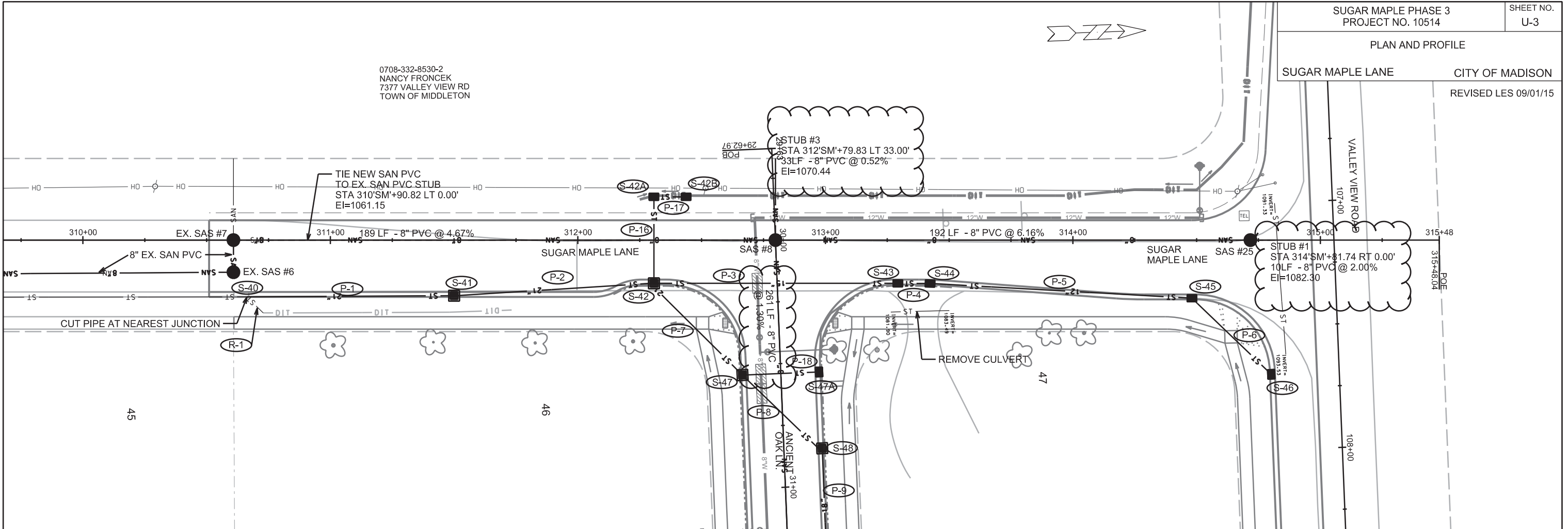
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

SUGAR MAPLE LANE CITY OF MADISON  
REVISED LES 09/01/15

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

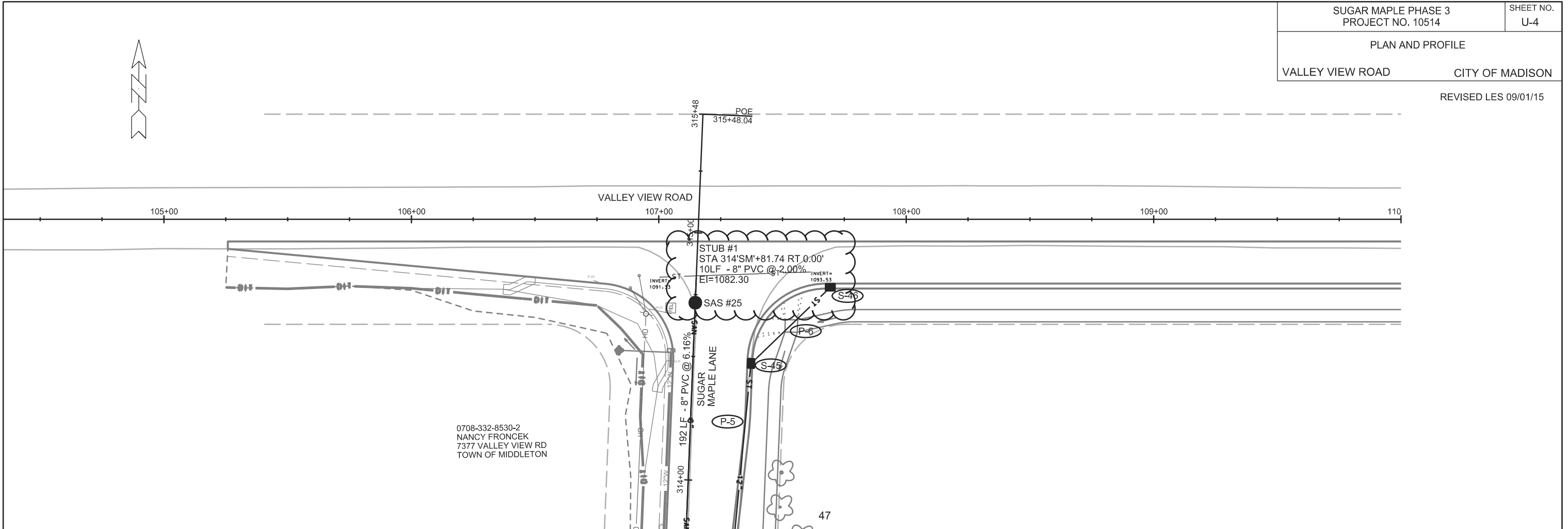


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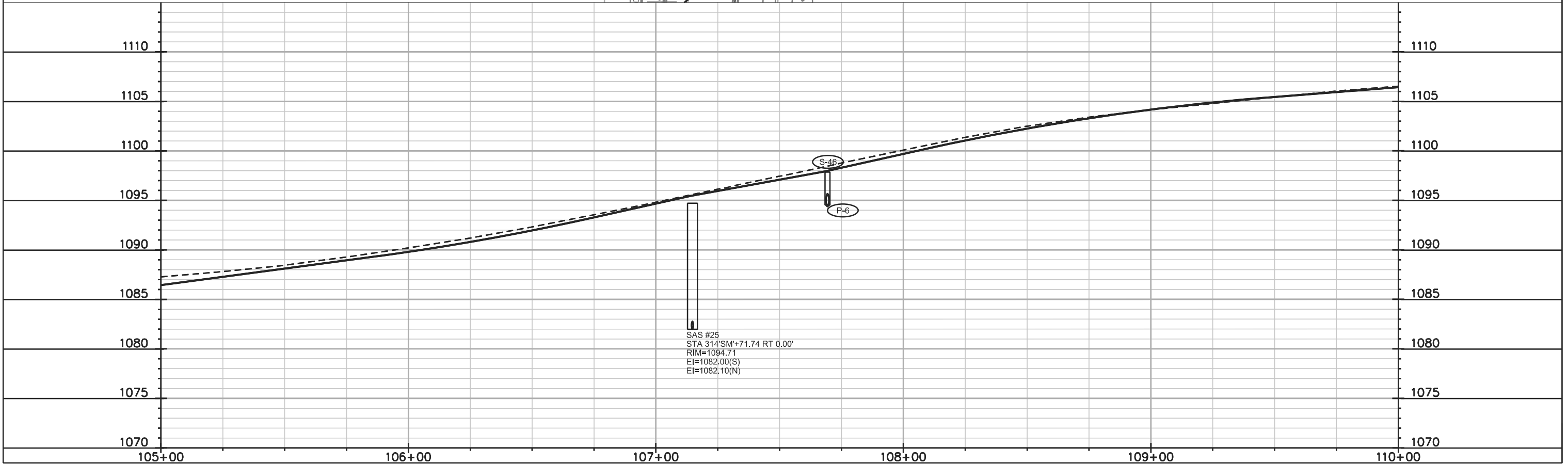
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0708-332-8530-2  
NANCY FRONCEK  
7377 VALLEY VIEW RD  
TOWN OF MIDDLETON



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

# SANITARY SCHEDULE

## ALIGNMENT CODES:

'AO'- ANCIENT OAK LANE  
'SM'- SUGAR MAPLE LANE

SUGAR MAPLE PHASE 3

SHEET NO.

PROJECT NO. 10514

U-5

SANITARY SEWER SCHEDULE

CITY OF MADISON

REVISED LES 09/01/15

### PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#8	312'SM'+79.83	RT-0.00	1081.45	1069.97	11.48	
SAS#9	<b>32'AO'+61.30</b>	<b>RT-0.00</b>	<b>1084.20</b>	<b>1073.47</b>	10.73	
SAS#10	35'AO'+46.10	LT-10.04	1098.43	1088.00	10.43	
SAS#25	314'SM'+71.74	RT-0.00	1094.71	1082.00	12.71	

### PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX. SAS#7	SAS#8	1061.15	1069.97	189	4.67%	8"	SDR-35	PER ASTM D3034
* SAS#8	SAS#9	1070.07	<b>1073.47</b>	<b>261</b>	<b>1.30%</b>	8"	SDR-35	PER ASTM D3034
* SAS#9	SAS#10	<b>1073.57</b>	1088.00	<b>290</b>	<b>4.98%</b>	8"	SDR-35	PER ASTM D3034
SAS#8	SAS#25	1070.17	1082.00	192	6.16%	8"	SDR-35	PER ASTM D3034
SAS#25	STUB#1	1082.10	1082.30	10	2.00%	8"	SDR-35	PER ASTM D3034
SAS#10	STUB#2	1088.10	1088.14	10	0.40%	8"	SDR-35	PER ASTM D3034
SAS#8	STUB#3	1070.27	1070.44	33	0.52%	8"	SDR-35	PER ASTM D3034
* <b>SAS#9</b>	<b>STUB#4</b>	<b>1073.74</b>	<b>1073.89</b>	<b>30</b>	<b>0.50%</b>	<b>6"</b>	<b>SDR-35</b>	<b>PER ASTM D3034</b>

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---



# STORM SEWER SCHEDULE

## ALIGNMENT CODES:

'AO'- ANCIENT OAK LANE  
'SM'- SUGAR MAPLE LANE  
'CB'- CHERRY BLOSSOM DRIVE  
'VV'- VALLEY VIEW ROAD

SUGAR MAPLE PHASE 3  
PROJECT NO. 10514

SHEET NO.  
U-6

STORM SEWER SCHEDULE CITY OF MADISON

### PROPOSED STORM STRUCTURES

STRUC NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-40	310'SM'+66.27	RT-22.94	CONCRETE COLLAR	--	1067.39	--	REMOVE TO CLOSEST PIPE JOINT; PER S.D.D. 5.4.5
S-41	311'SM'+50.00	RT-22.50	3X3 SAS	1073.72	1067.80	5.92	W/ R-3067-7004-V
S-42	312'SM'+30.72	RT-17.50	4X4 SAS	1078.85	1073.00	5.85	FP; W/ R-3067-7004-V
S-42A	312'SM'+30.72	LT-17.50	H INLET	1076.60	1073.91	2.69	W/ R-1878-B7G
S-42B	312'SM'+43.72	LT-17.50	H INLET	1077.55	1074.22	3.33	W/ R-1878-B7G
S-43	313'SM'+29.29	RT-17.50	H INLET	1085.34	1081.15	4.19	FP; W/ R-3067-7004-V
S-44	313'SM'+42.31	RT-17.57	H INLET	1086.48	1082.20	4.28	FP; W/ R-3067-7004-V
S-45	314'SM'+48.13	RT-23.50	H INLET	1094.62	1091.29	3.33	FP; W/ R-3067-7004-V
S-46	107'VV'+69.33	RT-27.50	H INLET	1097.85	1094.52	3.33	W/ R-3067-7004-V
S-47	30'AO'+54.00	RT-15.50	3X3 SAS	1080.62	1075.83	4.79	W/ R-3067-7004-V; SEE SPEC. NOTE 1
S-47A	30'AO'+54.00	LT-15.50	H INLET	1082.02	1078.69	3.33	W/ R-3067-7004-V
S-48	30'AO'+84.89	LT-15.50	3X3 SAS	1082.17	1076.79	5.39	W/ R-3067-7004-V
S-49	32'AO'+36.48	LT-15.50	3X3 SAS	1083.59	1079.13	4.46	W/ R-3067-7004-V
S-49A	32'AO'+36.48	RT-15.50	H INLET	1083.51	1080.18	3.33	W/ R-3067-7004-V
S-50	34'AO'+92.48	LT-15.50	3X3 SAS	1096.70	1092.24	4.46	W/ R-3067-7004-V
S-50A	33'AO'+25.00	LT-15.50	3X3 SAS	1087.02	1082.56	4.46	W/ R-3067-7004-V
S-51	60'CB'+62.00	LT-15.50	H INLET	1099.04	1095.57	3.47	FP; W/ R-3067-7004-V; SEE SPEC. NOTE 1
S-52	60'CB'+62.00	RT-15.50	H INLET	1099.04	1095.71	3.33	FP; W/ R-3067-7004-V; SEE SPEC. NOTE 1
S-53	61'CB'+35.68	RT-21.53	3X3 SAS	1099.78	1095.82	3.96	W/ R-1550-0054
S-54	112'VV'+80.00	RT-38.50	3X3 SAS	1109.82	1096.07	13.75	FP; W/ R-1550-0054
S-55	112'VV'+75.00	RT-32.56	12-IN RCP APRON ENDWALL W/ GATE	1107.06	1107.06	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1

### 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-40	S-41	1067.39	1067.80	82	84	0.50%	21"	RCP	
P-2	S-41	S-42	1068.93	1073.00	78	79	5.23%	21"	RCP	
P-3	S-42	S-43	1073.50	1081.15	96	97	8.00%	15"	RCP	
P-4	S-43	S-44	1081.40	1082.20	10	12	8.00%	12"	RCP	
P-5	S-44	S-45	1082.20	1091.29	103	104	8.83%	12"	RCP	
P-6	S-45	S-46	1091.29	1094.52	42	44	7.78%	12"	RCP	
P-7	S-42	S-47	1073.00	1075.83	48	50	5.84%	21"	RCP	
P-8	S-47	S-48	1076.08	1076.79	41	43	1.73%	18"	RCP	
P-9	S-48	S-49	1076.79	1079.13	149	150	1.58%	18"	RCP	
P-10	S-49	S-50A	1079.13	1082.56	86	89	4.01%	18"	RCP	
P-10A	S-50A	S-50	1082.56	1092.24	164	167	5.89%	18"	RCP	
P-11	S-50	S-51	1092.74	1095.57	82	85	3.46%	12"	RCP	
P-12	S-51	S-52	1095.57	1095.71	29	31	0.50%	12"	RCP	
P-13	S-50	S-53	1092.49	1095.00	77	80	3.24%	15"	RCP	
P-14	S-53	S-54	1095.25	1096.07	163	166	0.50%	12"	RCP	
P-15	S-54	S-55	1107.06	1107.10	6	8	0.62%	12"	RCP	
P-16	S-42	S-42A	1073.75	1073.91	33	33	0.50%	12"	RCP	
P-17	S-42A	S-42B	1073.91	1074.22	10	12	3.08%	12"	RCP	
P-18	S-47	S-47A	1076.58	1078.69	29	31	7.40%	12"	RCP	
P-19	S-49	S-49A	1079.63	1080.18	29	31	1.93%	12"	RCP	

### STORM PIPE REMOVAL

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
R-1	STA 310'SM'+66.27 RT-22.94	STA 310'SM'+72.84 RT-29.46	9	N	21"	RCP	

### 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.

### 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.

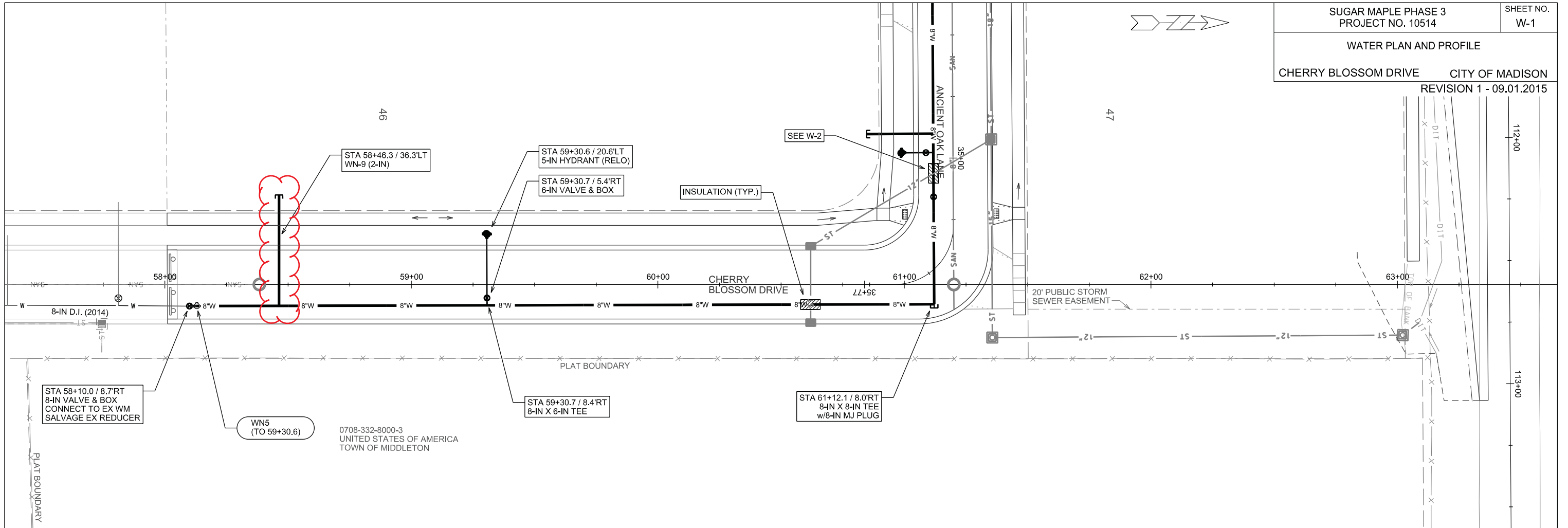
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.

- 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.

WATER PLAN AND PROFILE  
CHERRY BLOSSOM DRIVE CITY OF MADISON  
REVISION 1 - 09.01.2015

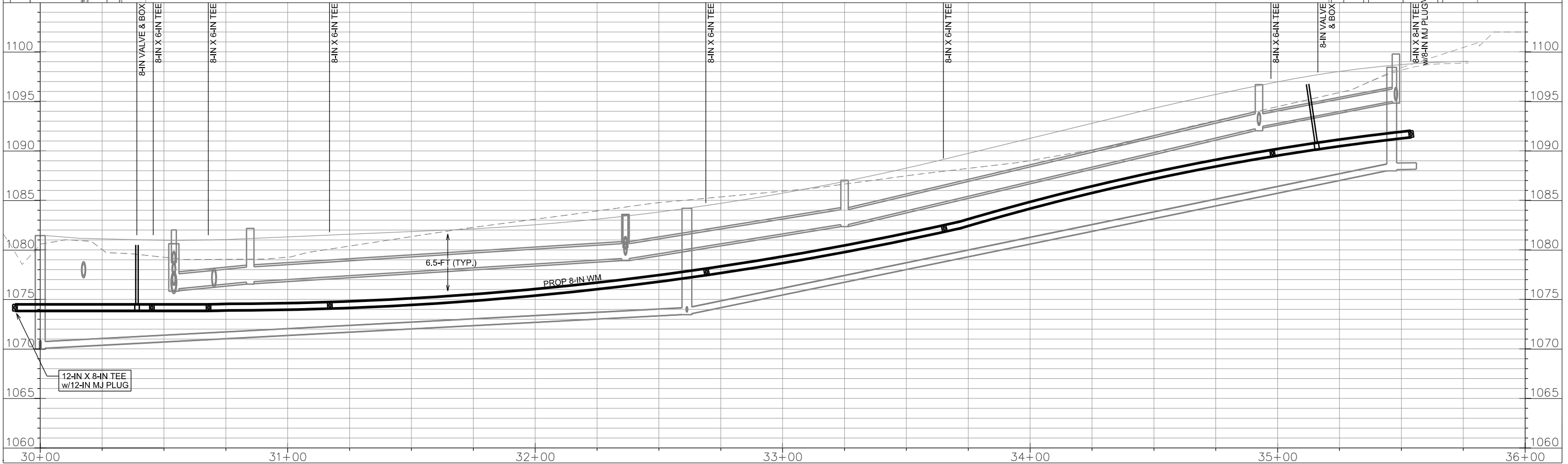
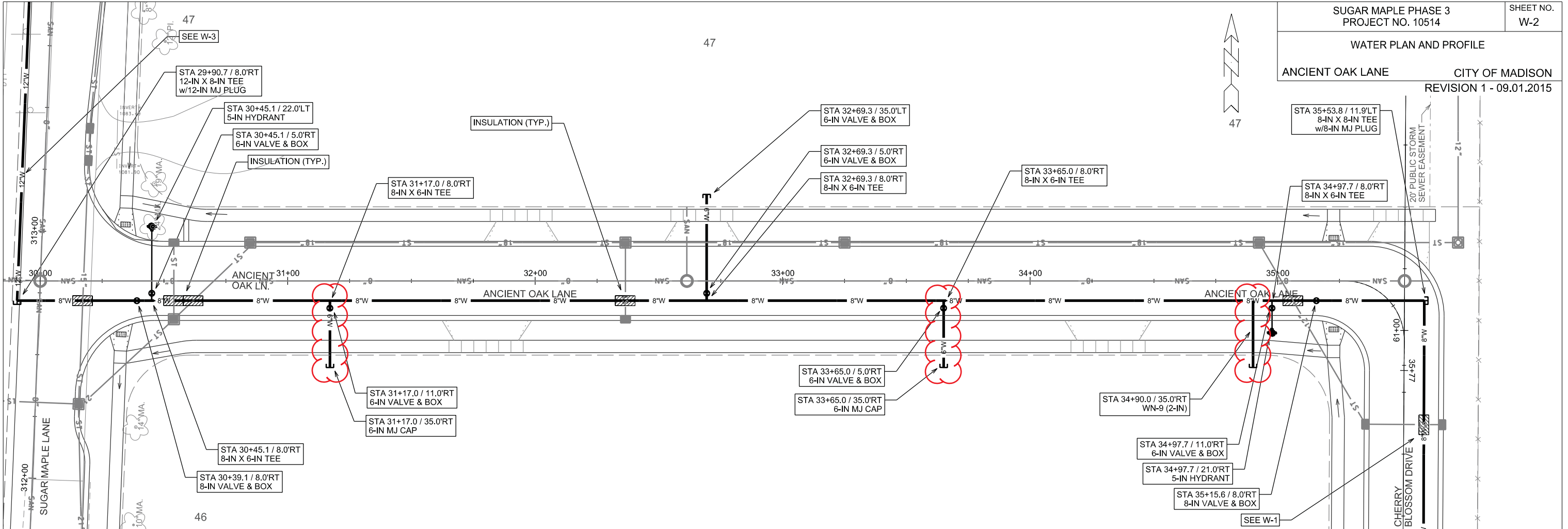


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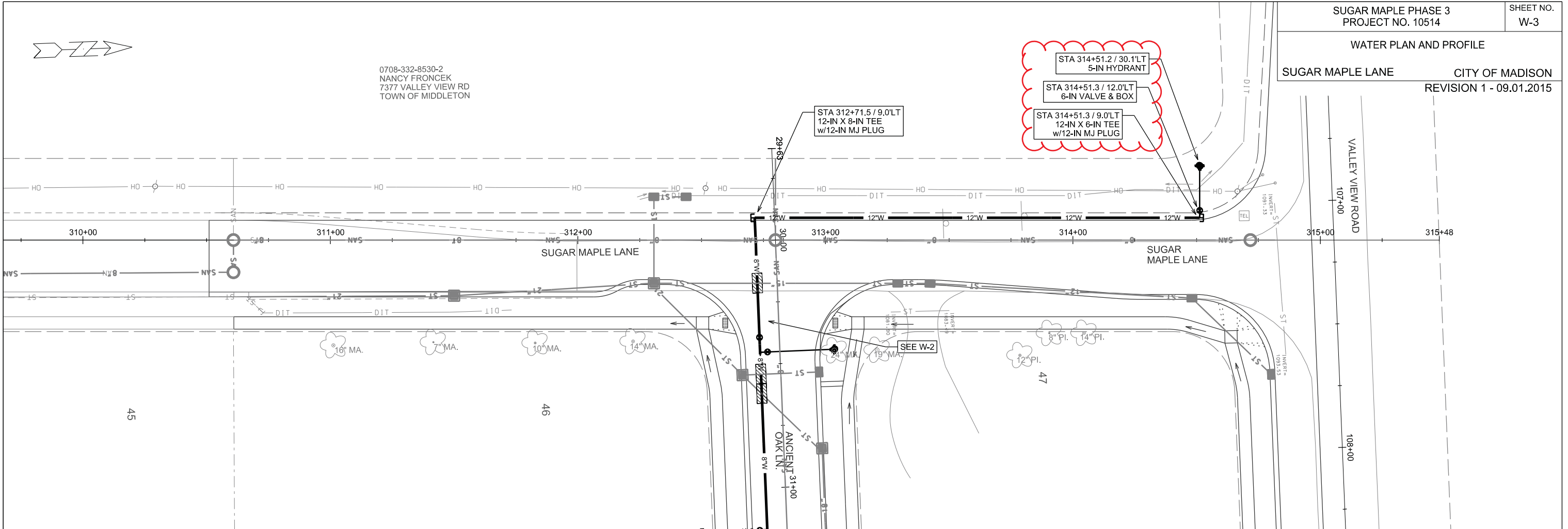
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



1002

# CHERRY BLOSSOM DRIVE

1030

1021

9534

9530

9526

9522

9518

9514

9510

100

# WILD PRAIRIE TRAIL

1044

533A

9533

9529

9525

9521

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.

CONNECT TO EX WM  
\*TURN VALVES:  
\*100  
\*NOTIFY (IF DEVELOPED);  
\*CHERRY BLOSSOM DRIVE: 1030

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

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

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: \_\_\_\_\_

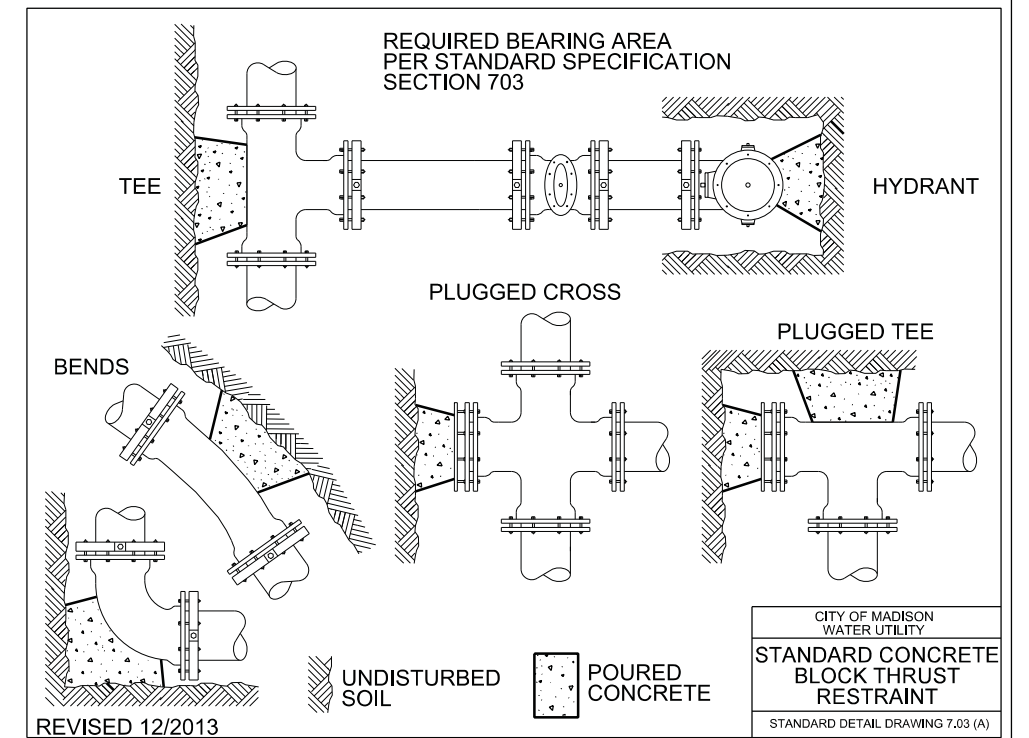
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CONSTRUCTION NOTES:

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



ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- 200-FT - 6-IN PIPE
- 880-FT - 8-IN PIPE
- 1,210-FT - POLYWRAP
- 7 - 6-IN VALVE & BOX
- 3 - 8-IN VALVE & BOX
- 6 - 8-IN X 6-IN TEE
- 1 - 8-IN X 8-IN TEE
- 3 - 5-IN HYDRANT
- 3 - 6-IN MJ CAP
- 1 - 8-IN MJ PLUG
- 50-FT - 2-IN STYROFOAM INSULATION
- 2-IN COPPER TUBING (AS REQUIRED)

ESTIMATE OF MATERIALS FURNISHED BY CITY:

- 200-FT - 12-IN PIPE
- 1 - 12-IN X 8-IN TEE
- 1 - 12-IN X 6-IN TEE
- 2 - 12-IN MJ PLUG

ESTIMATE OF MATERIALS SALVAGED:

- 1 - 8-IN X 6-IN REDUCER

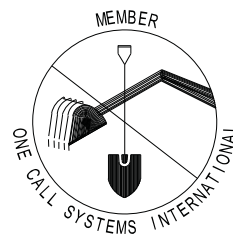
ESTIMATE OF MATERIALS REUSED:

- 1 - 5-IN HYDRANT

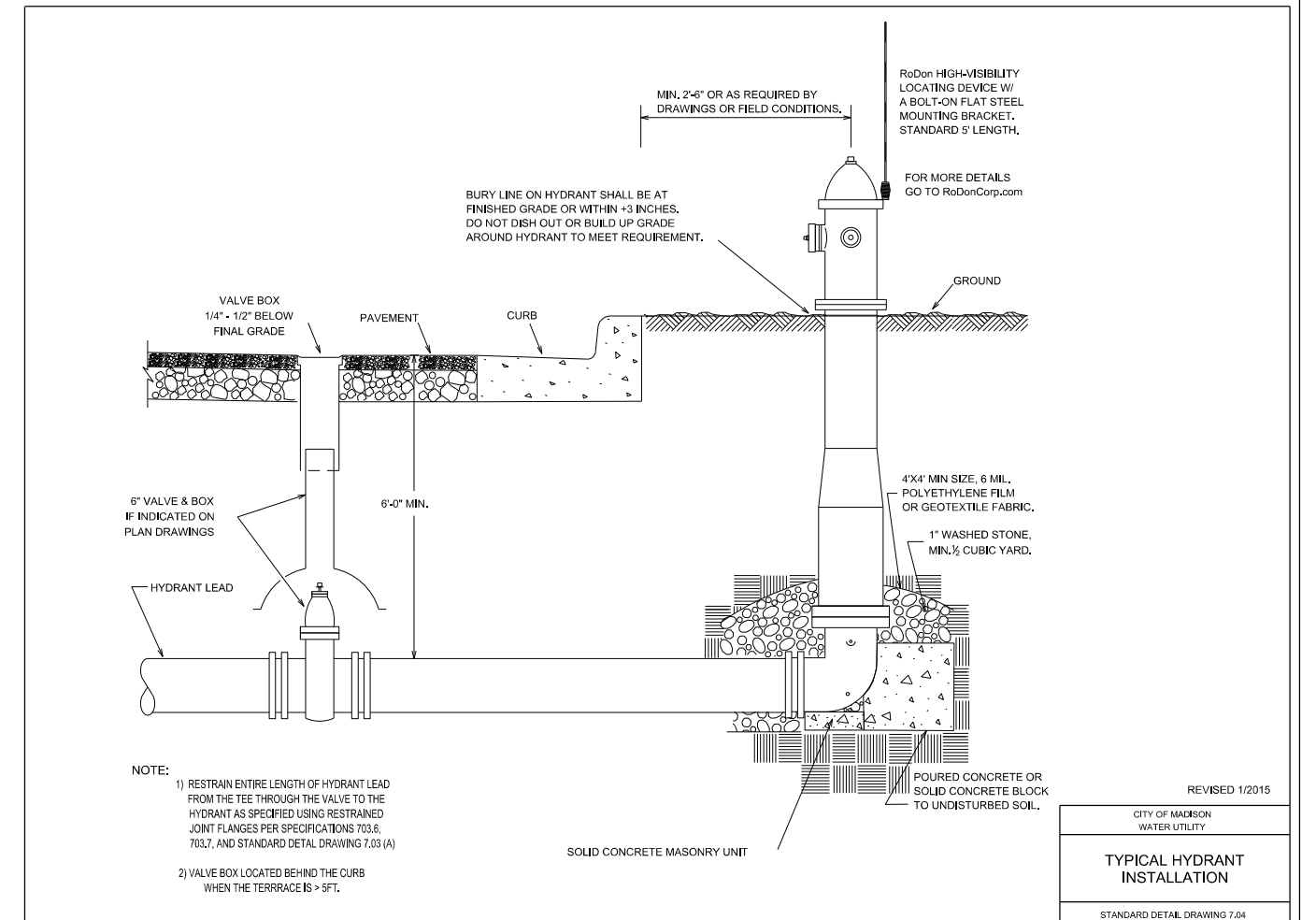
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.



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.



CROSS SECTIONS

SUGAR MAPLE LANE

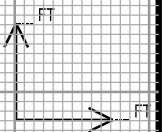
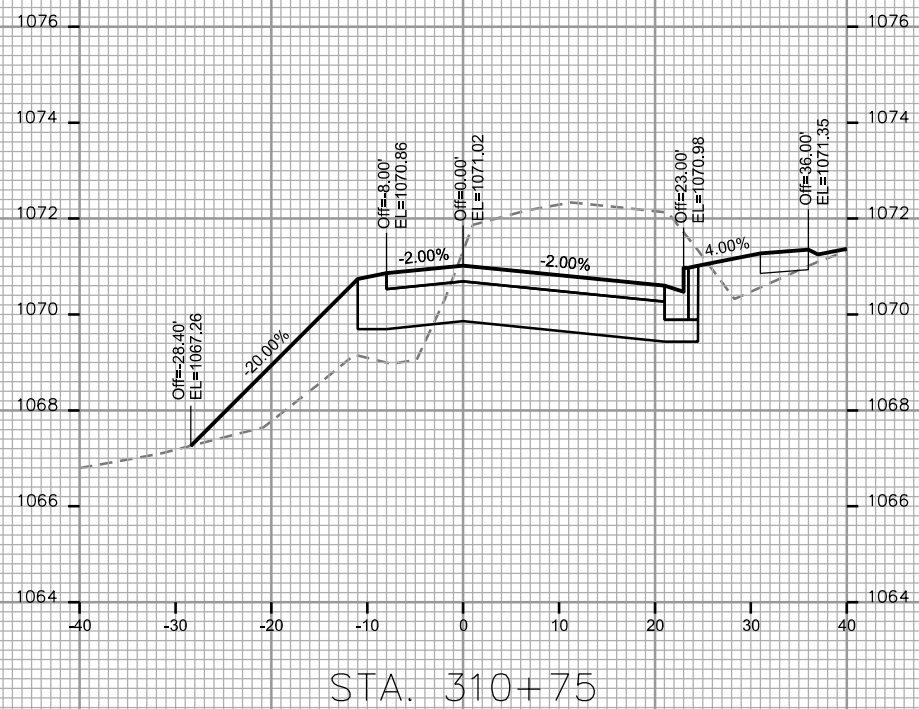
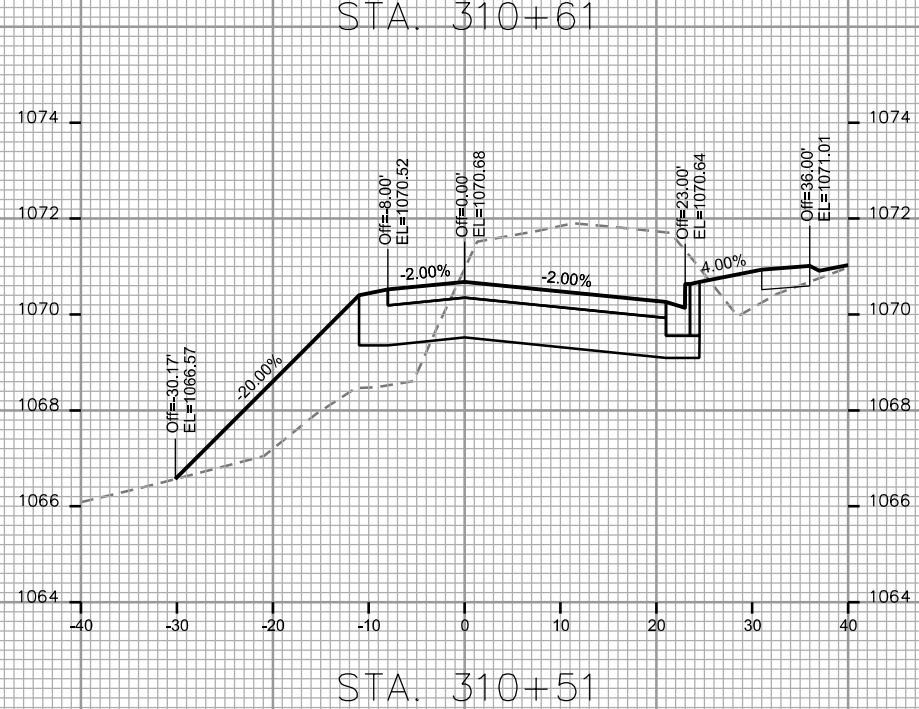
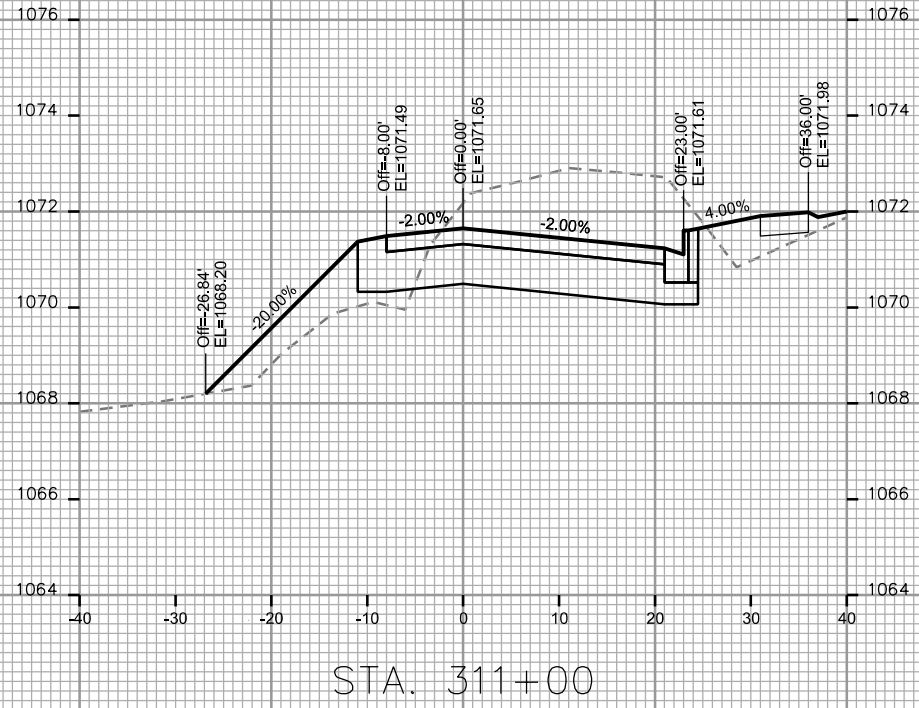
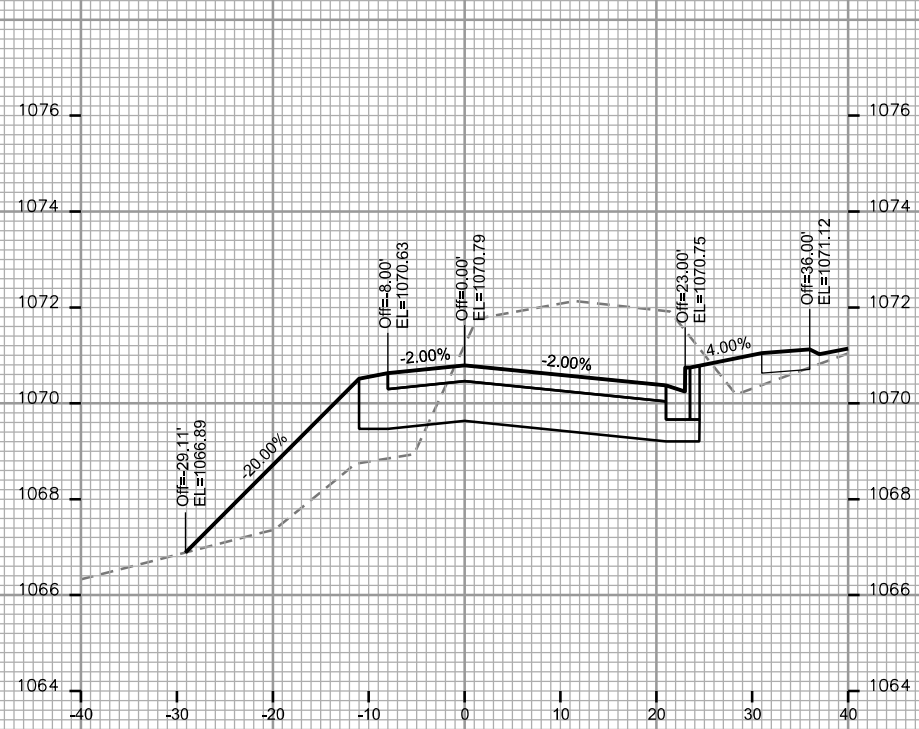
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CROSS SECTIONS

SUGAR MAPLE LANE

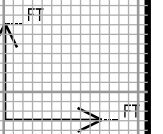
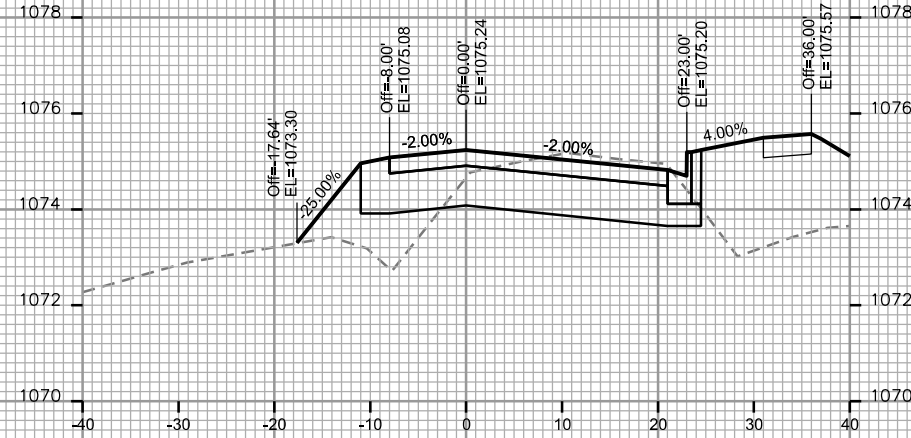
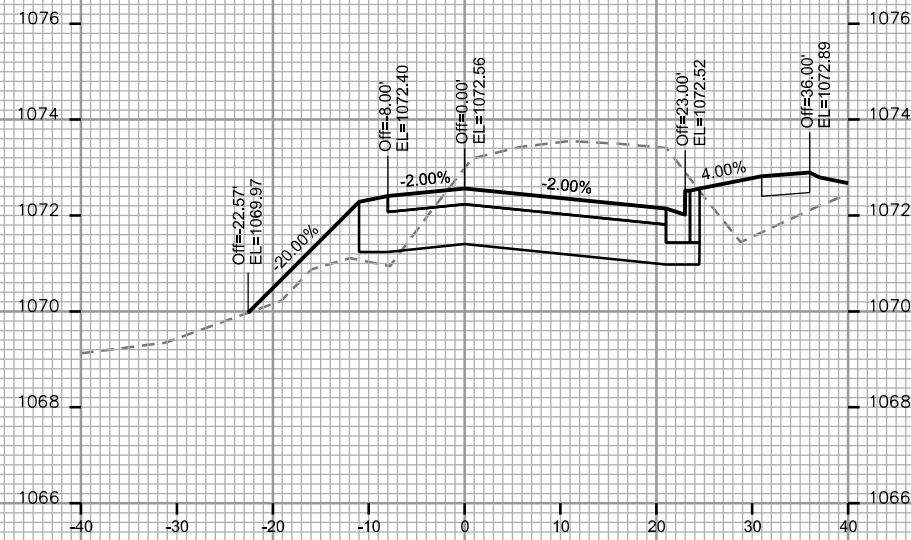
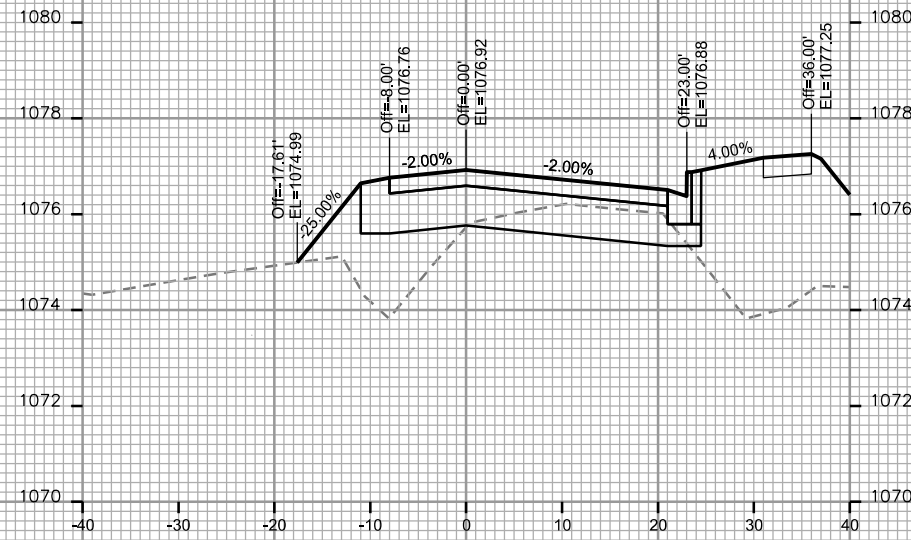
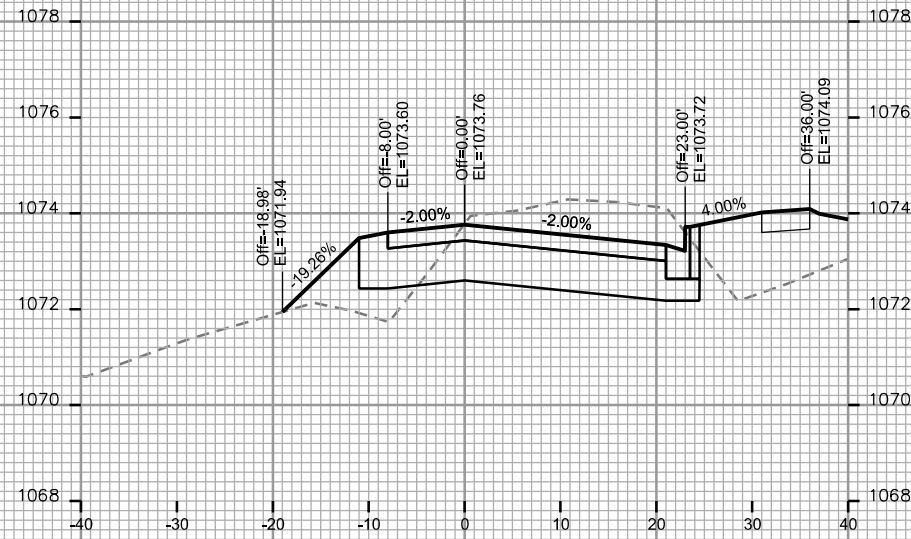
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CROSS SECTIONS

SUGAR MAPLE LANE

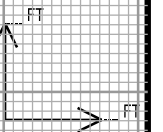
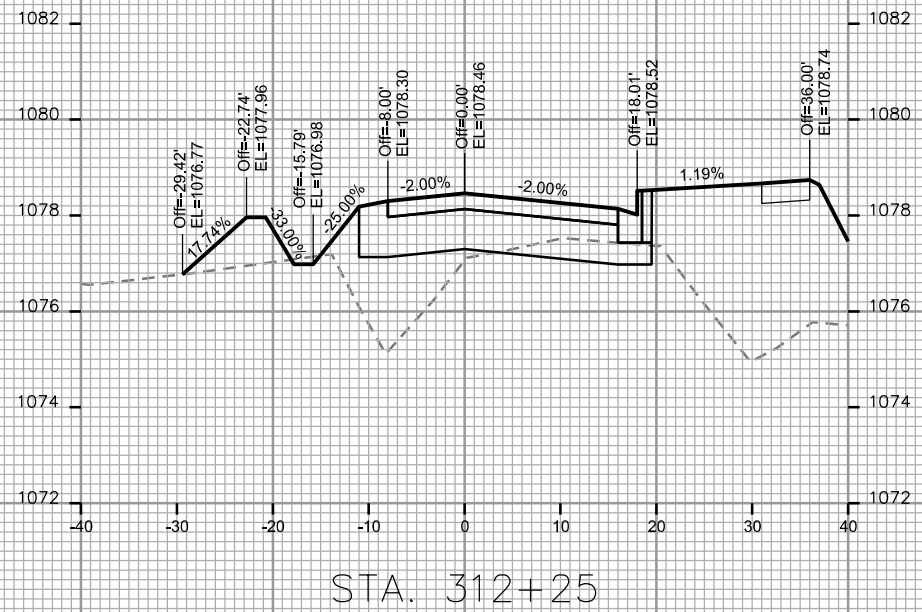
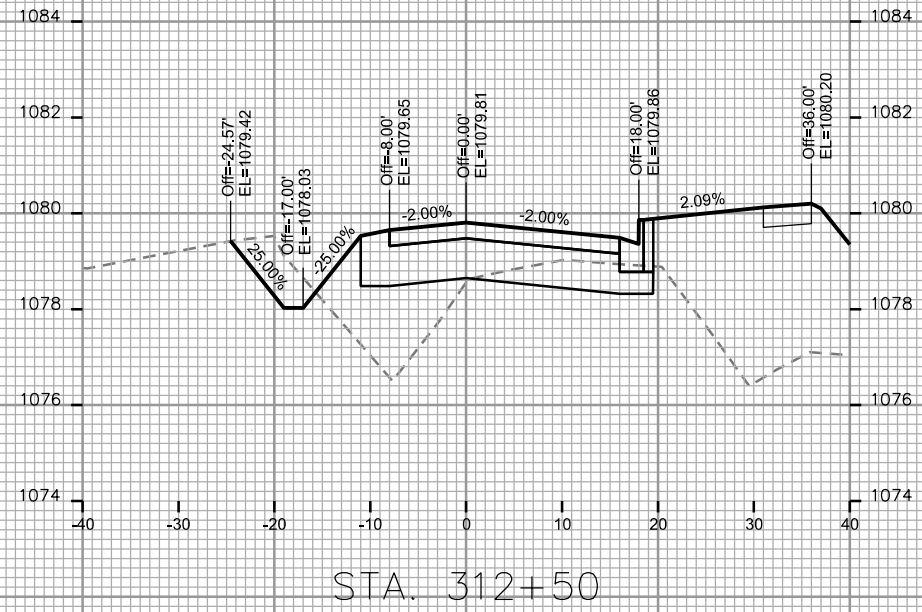
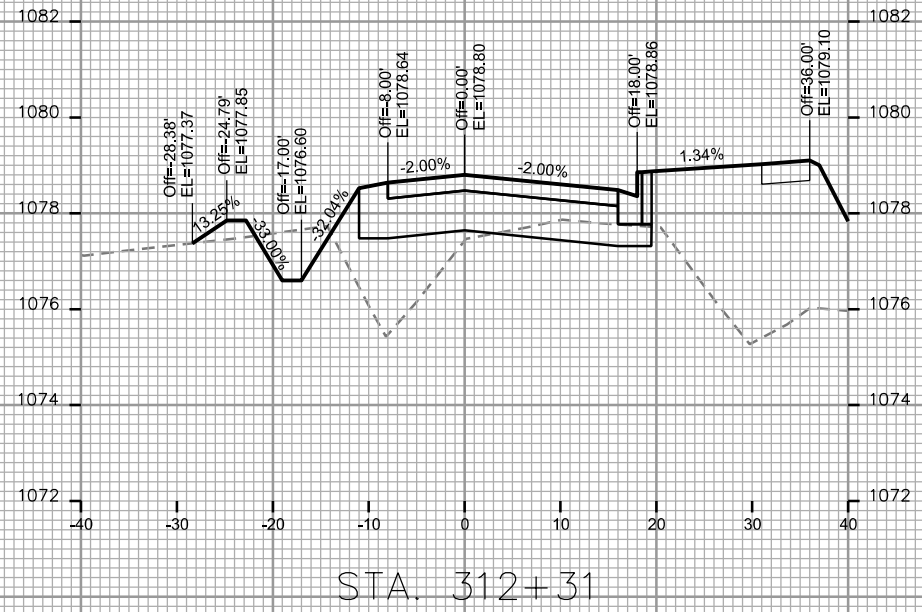
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CROSS SECTIONS

SUGAR MAPLE LANE

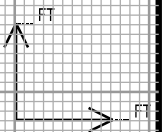
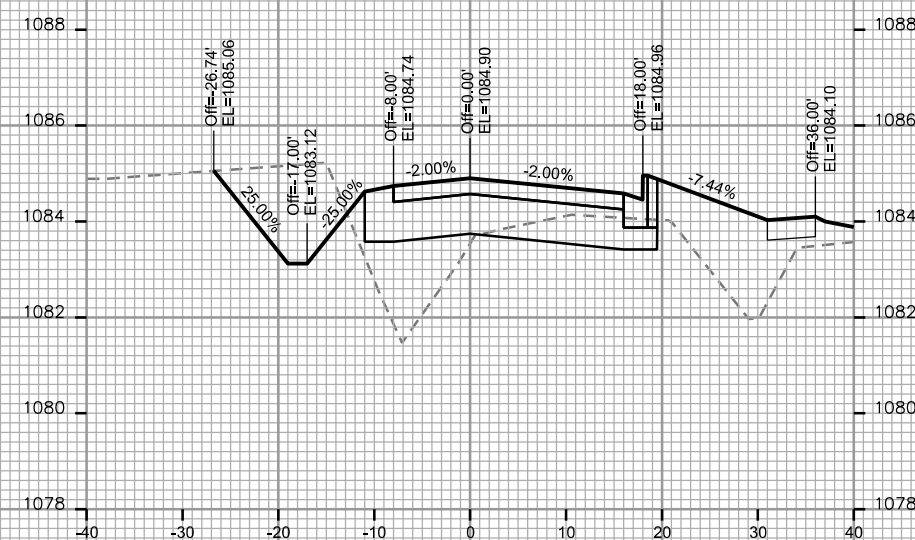
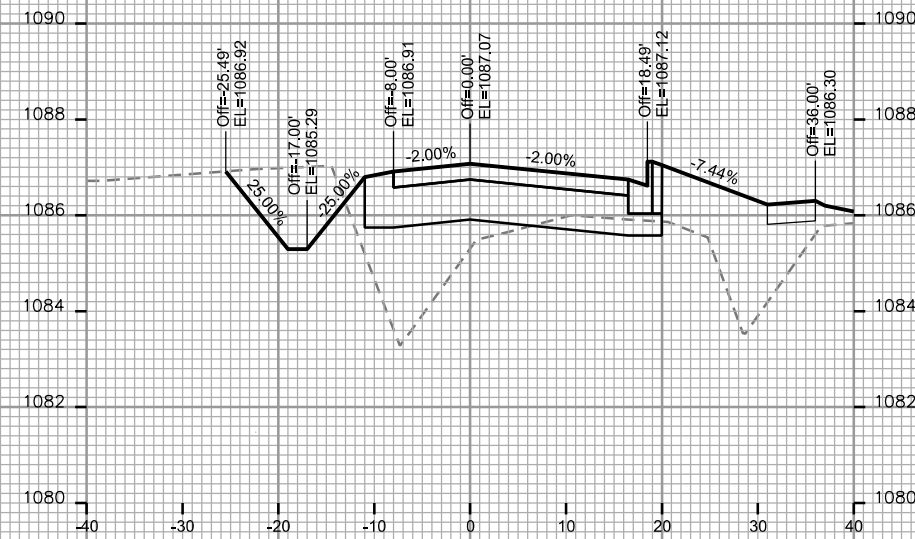
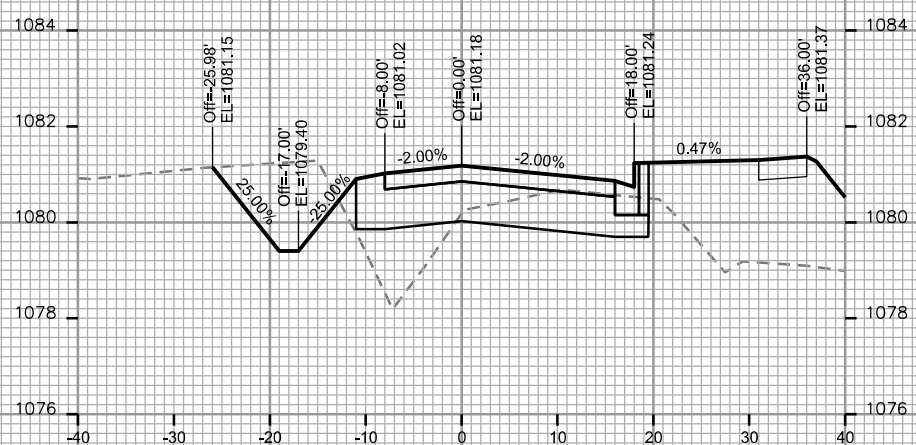
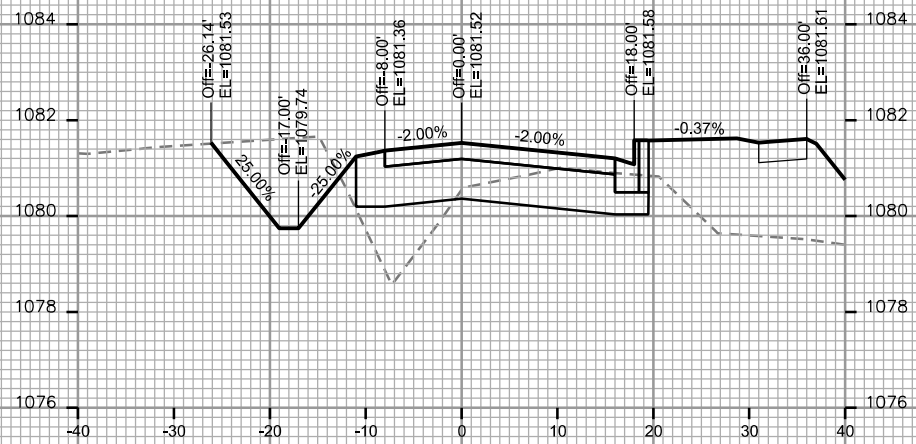
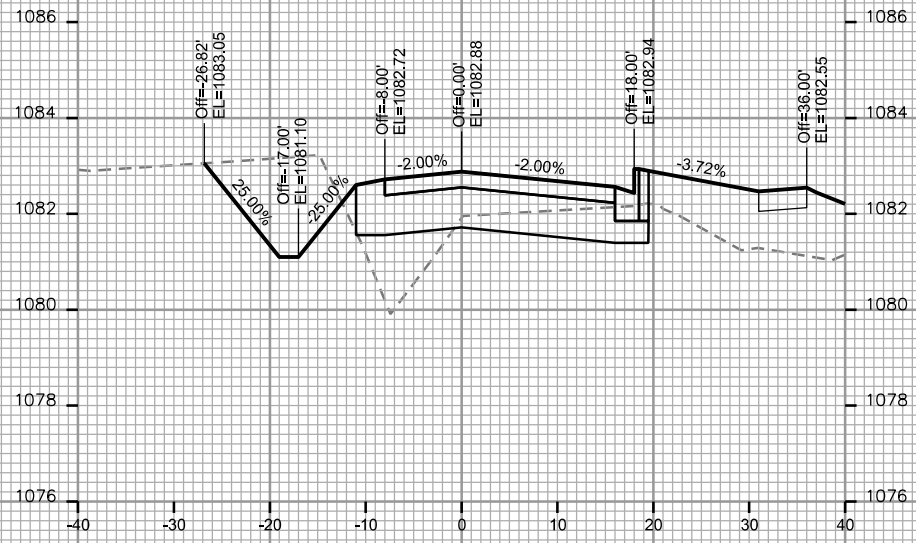
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CROSS SECTIONS

SUGAR MAPLE LANE

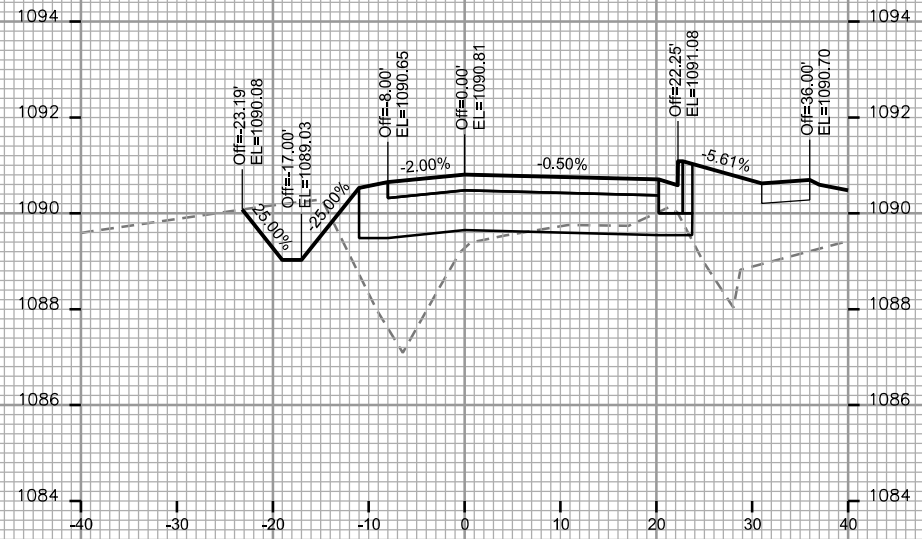
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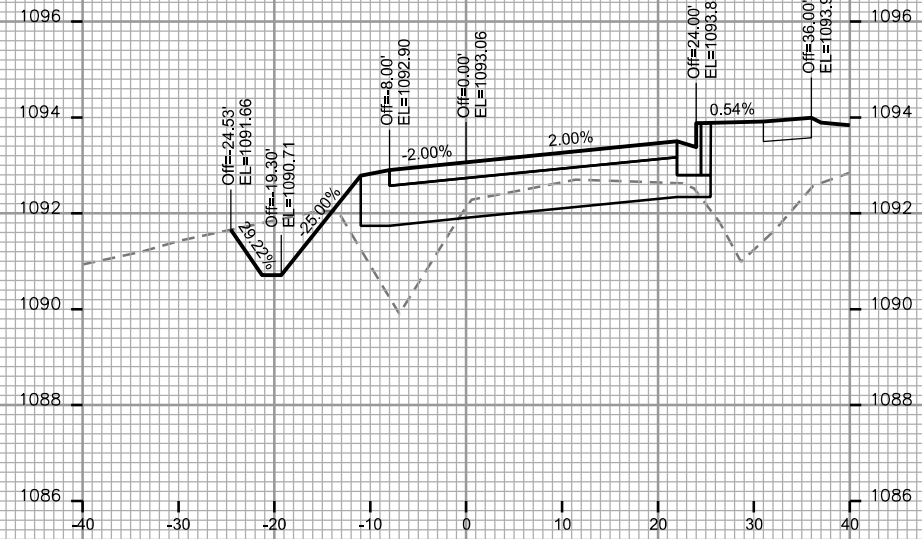
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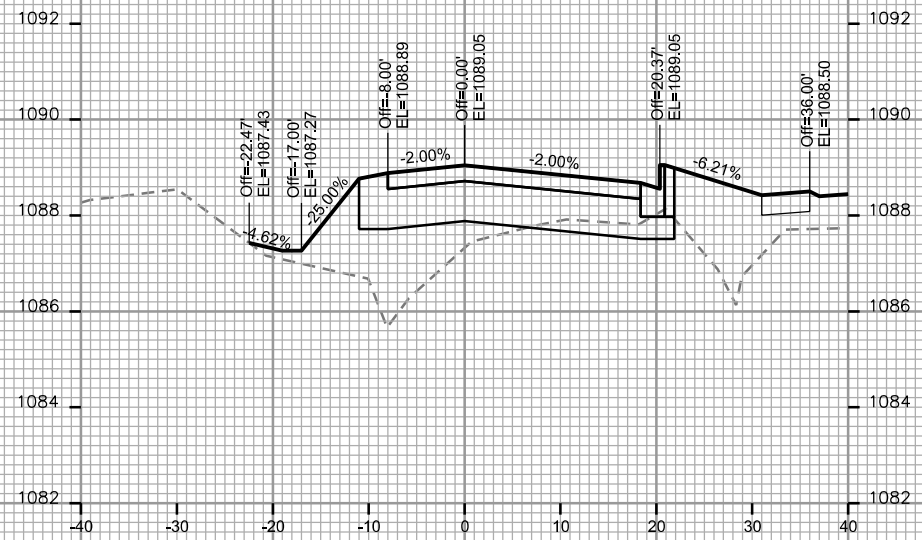
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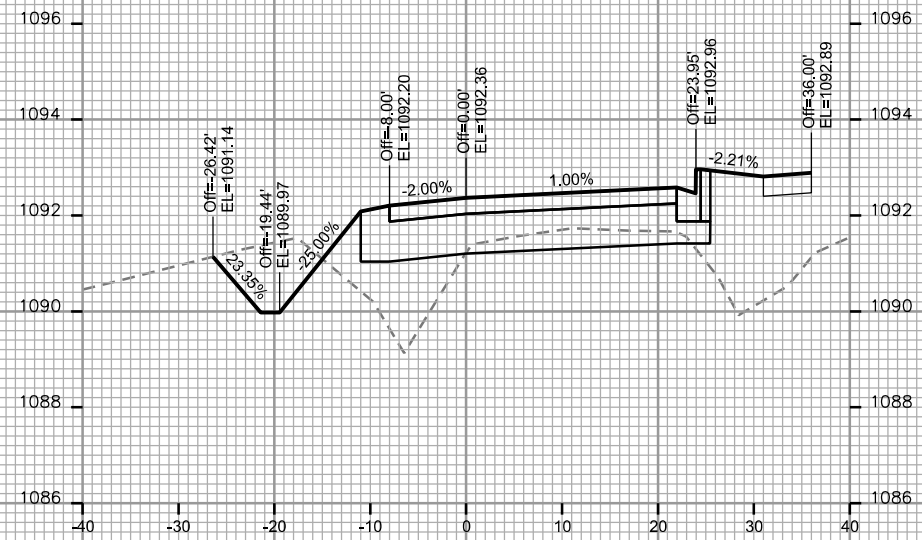
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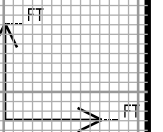
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STA. 314+25



CROSS SECTIONS

SUGAR MAPLE LANE

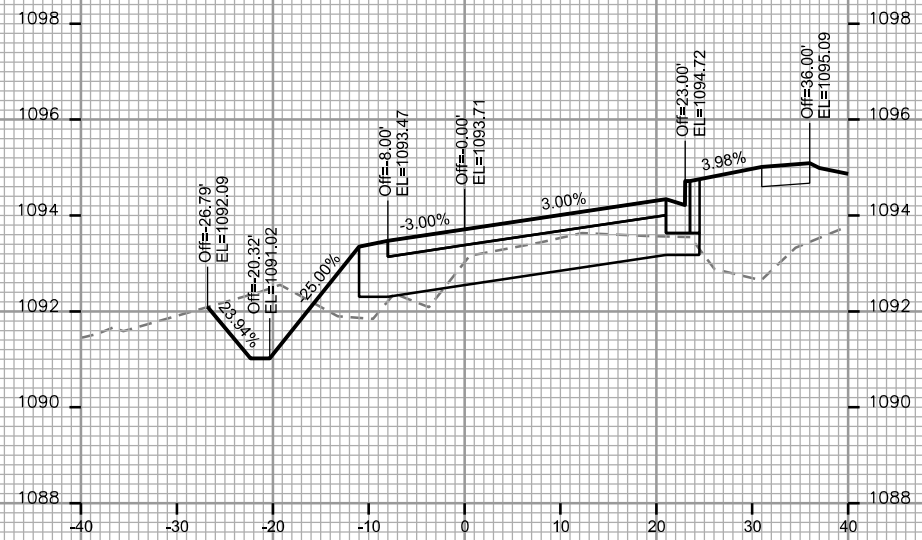
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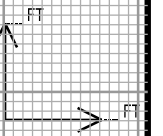
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STA. 314+50





CROSS SECTIONS

VALLEY VIEW ROAD

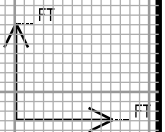
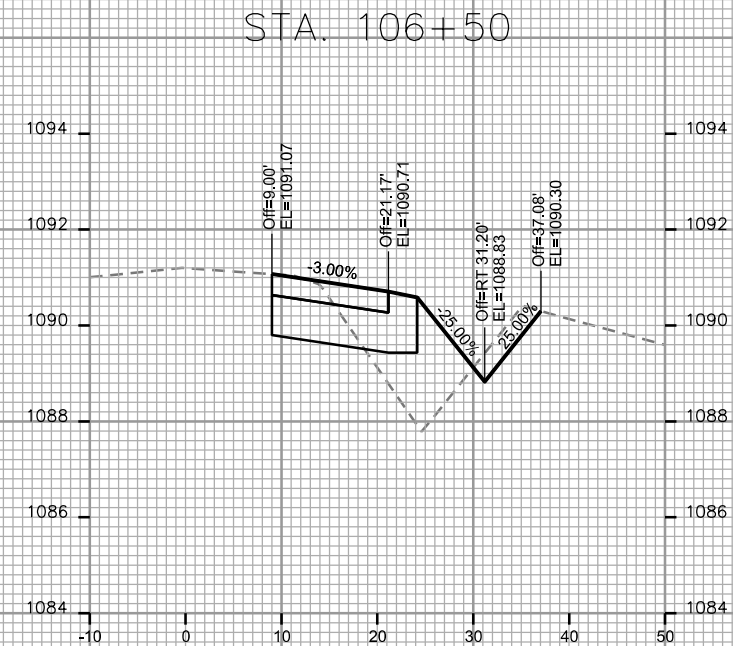
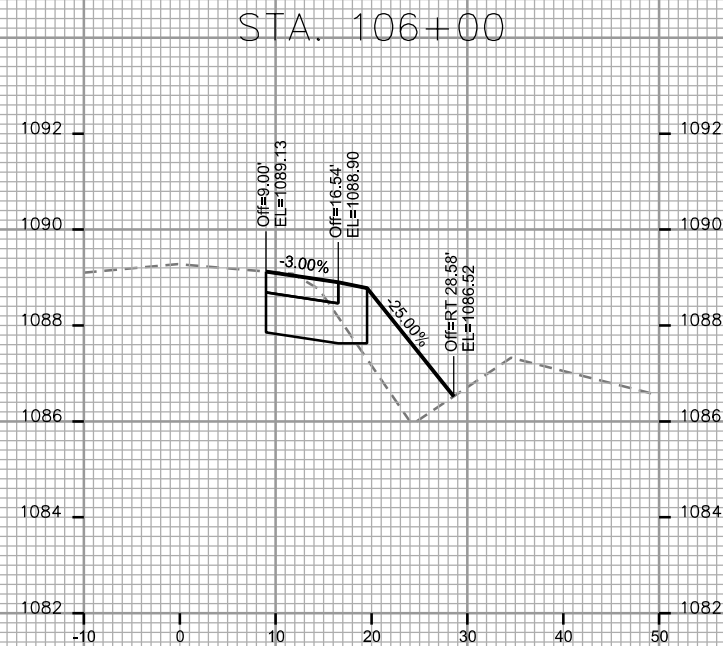
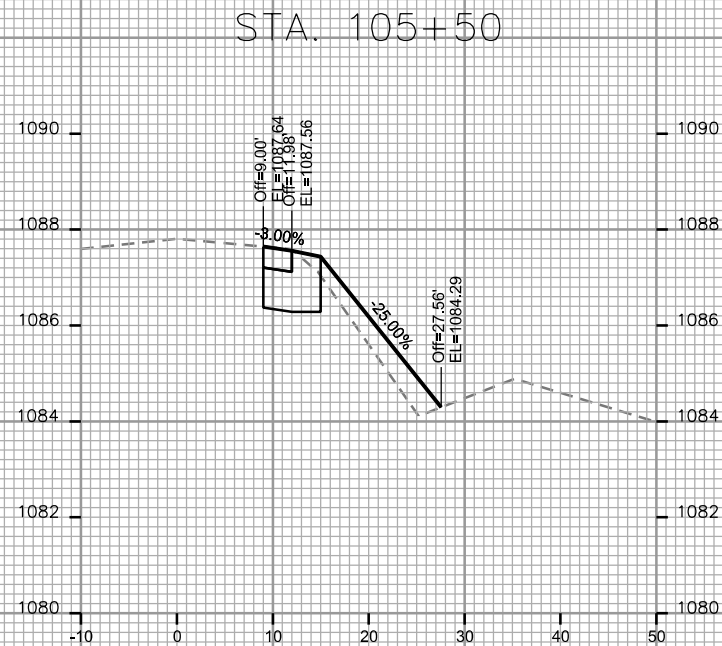
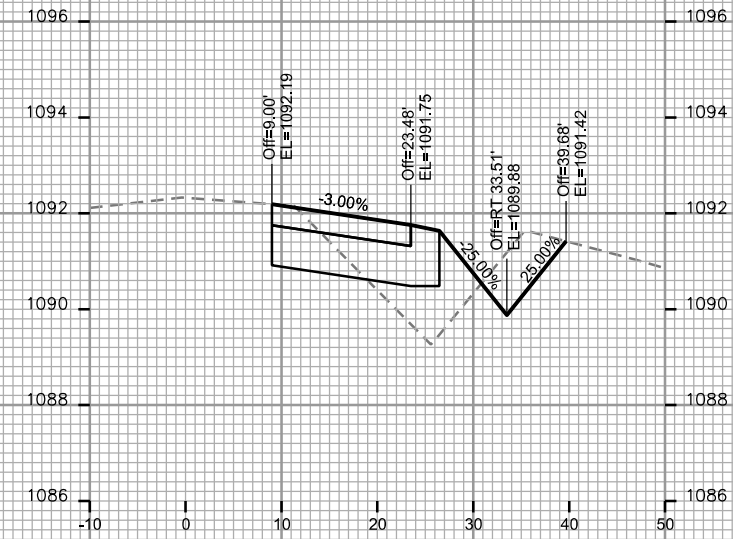
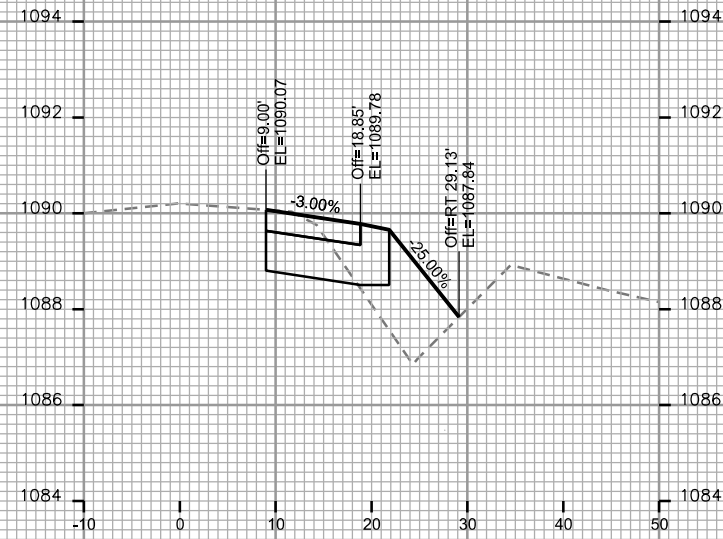
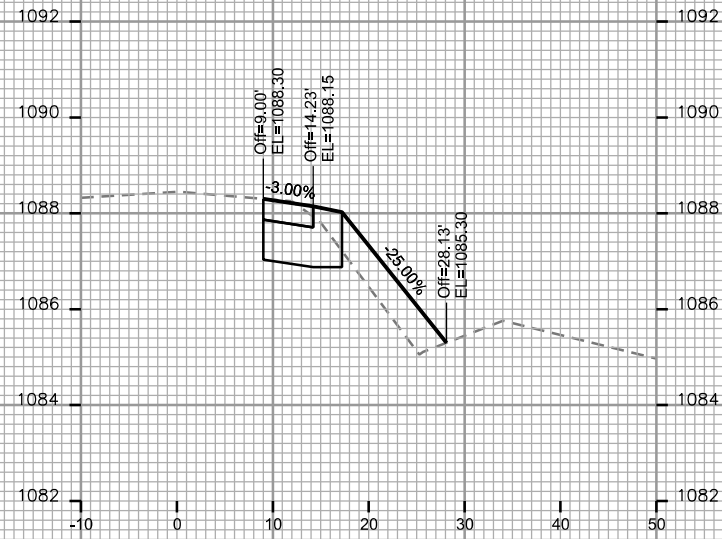
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



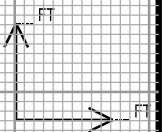
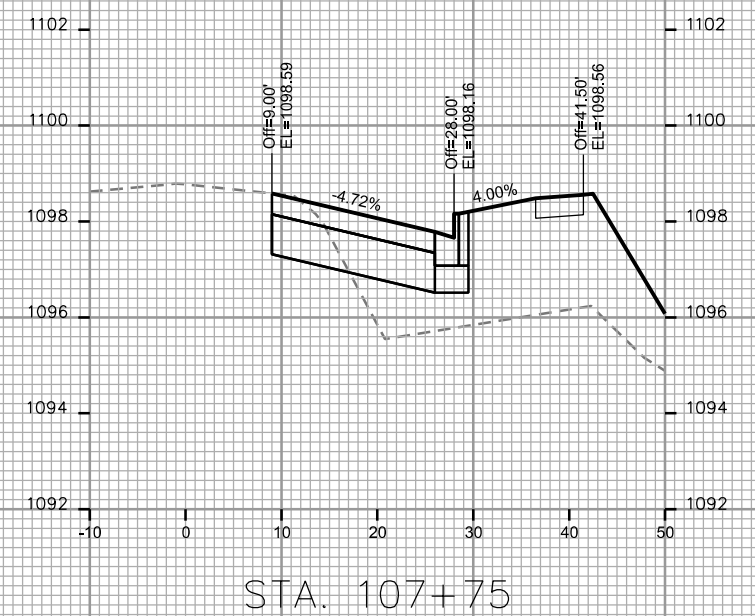
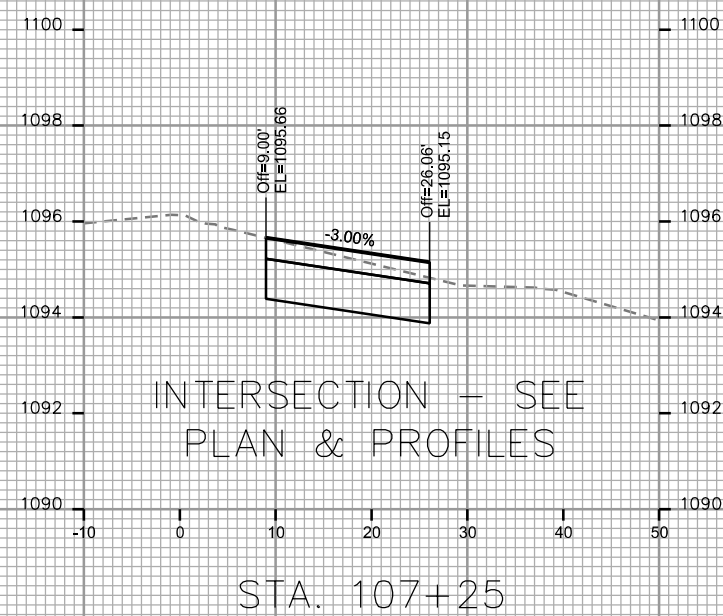
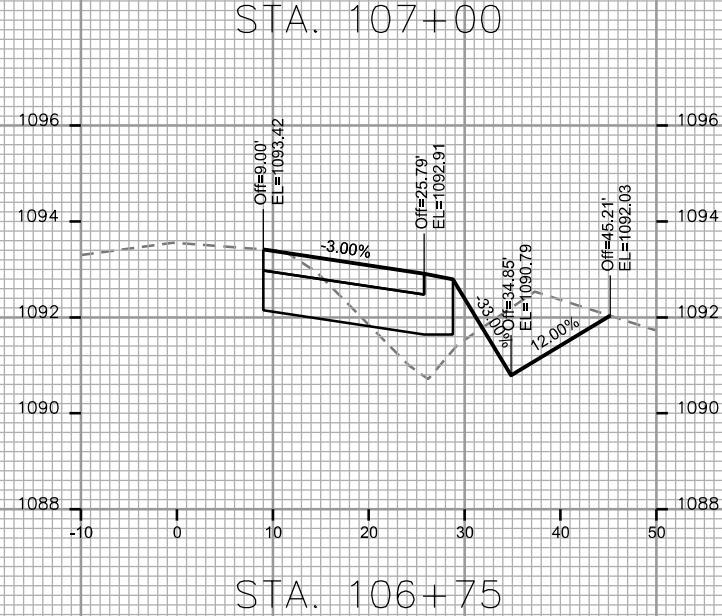
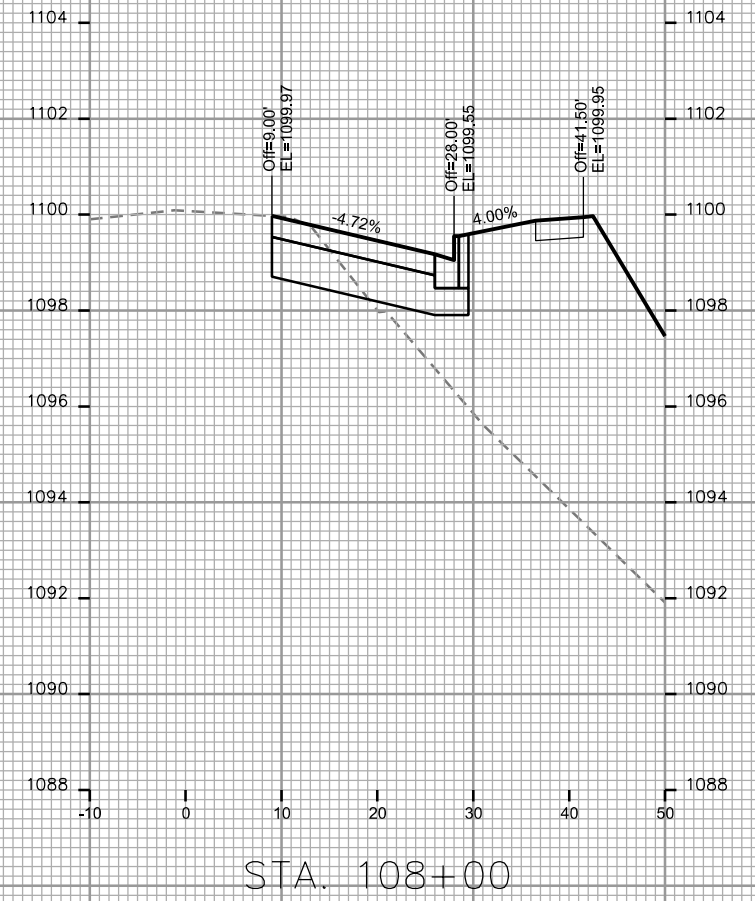
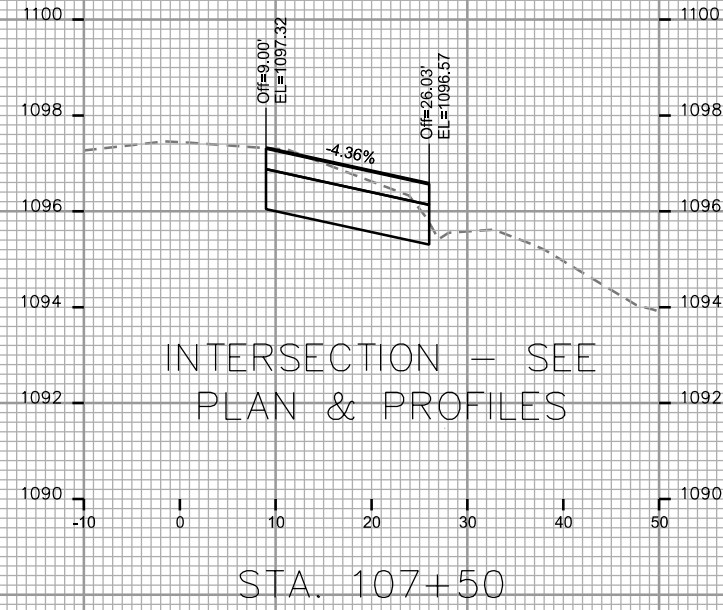
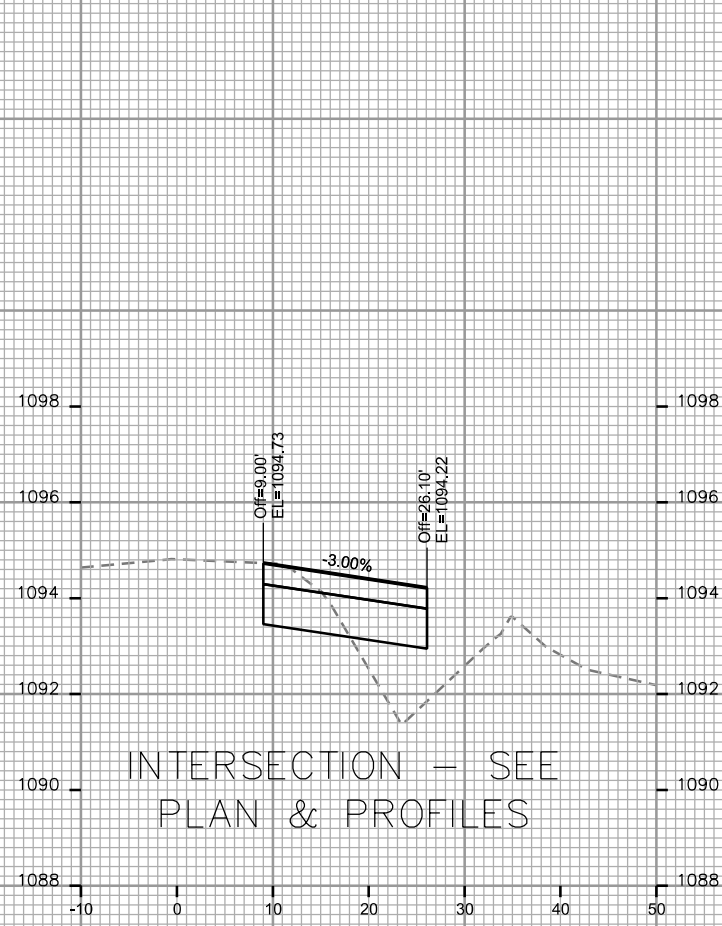
CROSS SECTIONS  
VALLEY VIEW ROAD CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

VALLEY VIEW ROAD

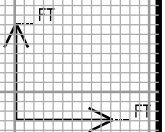
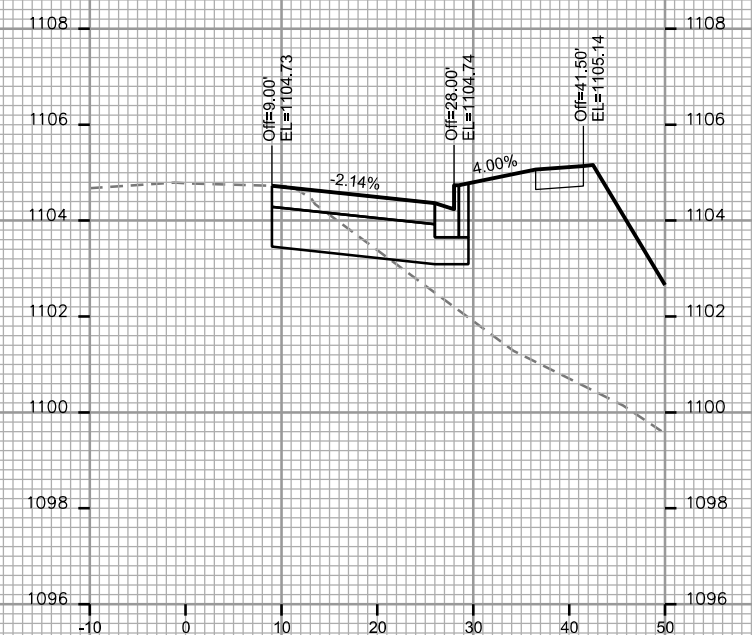
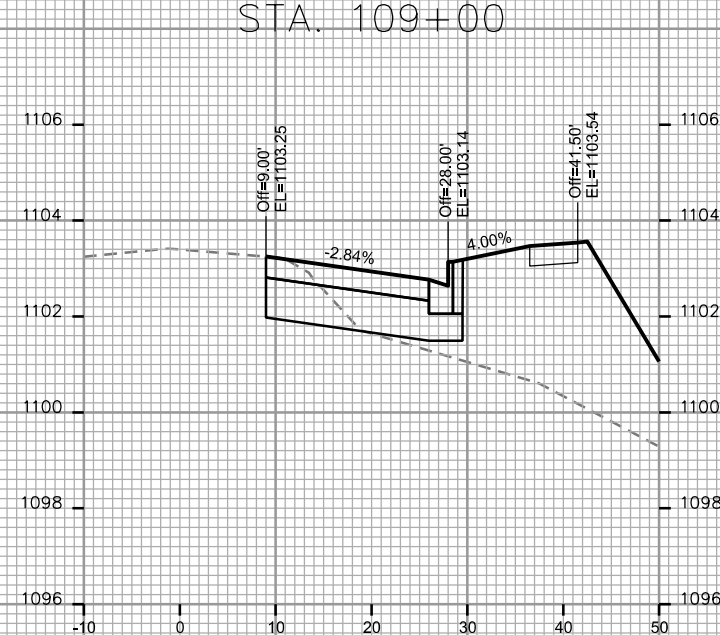
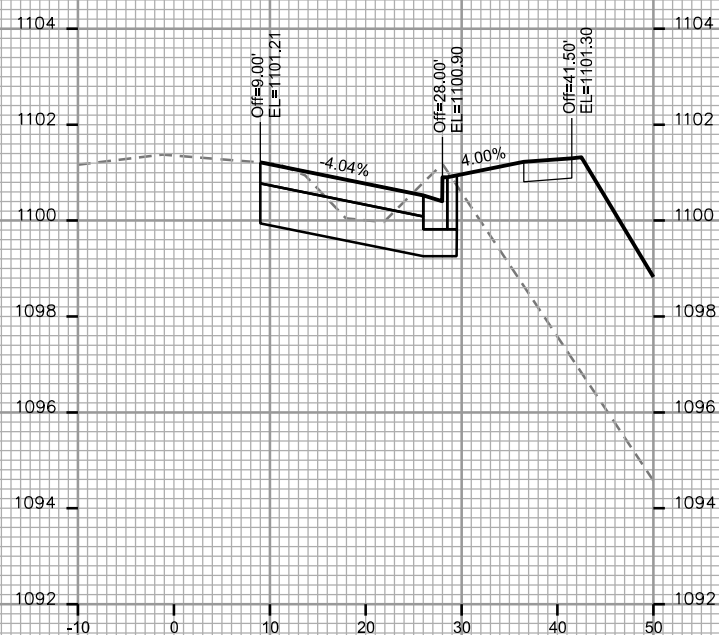
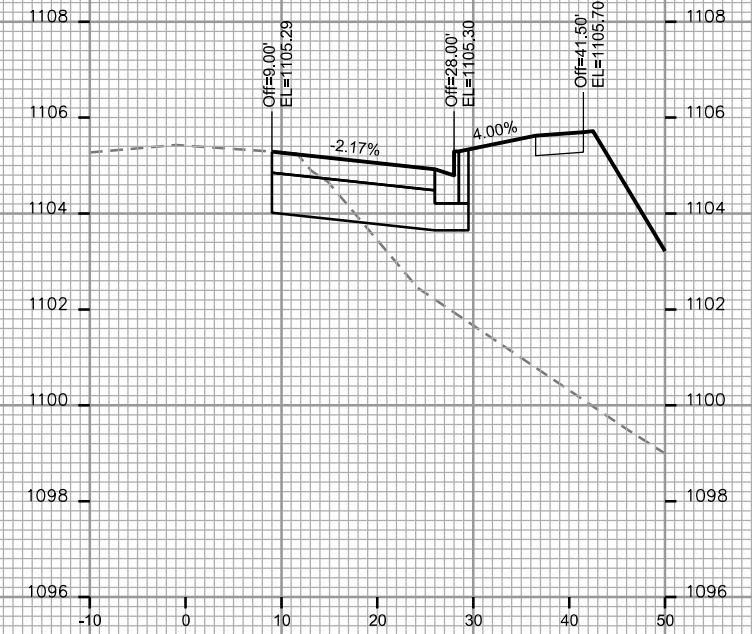
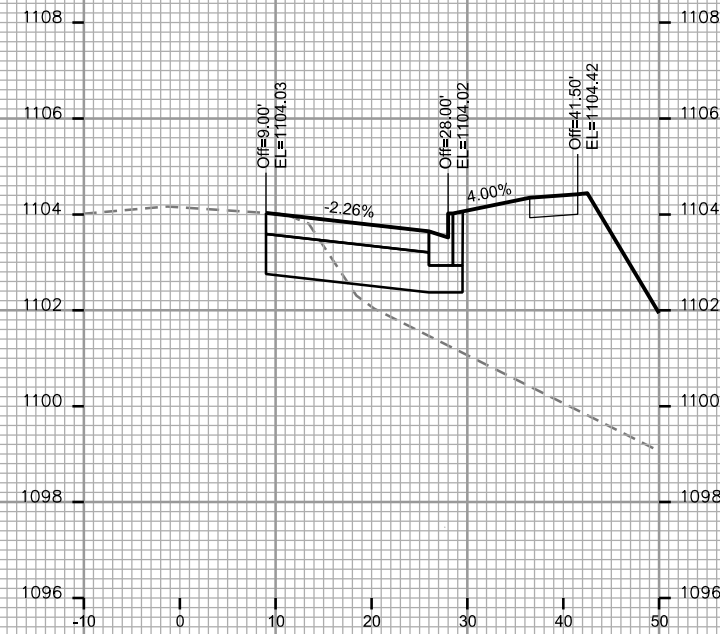
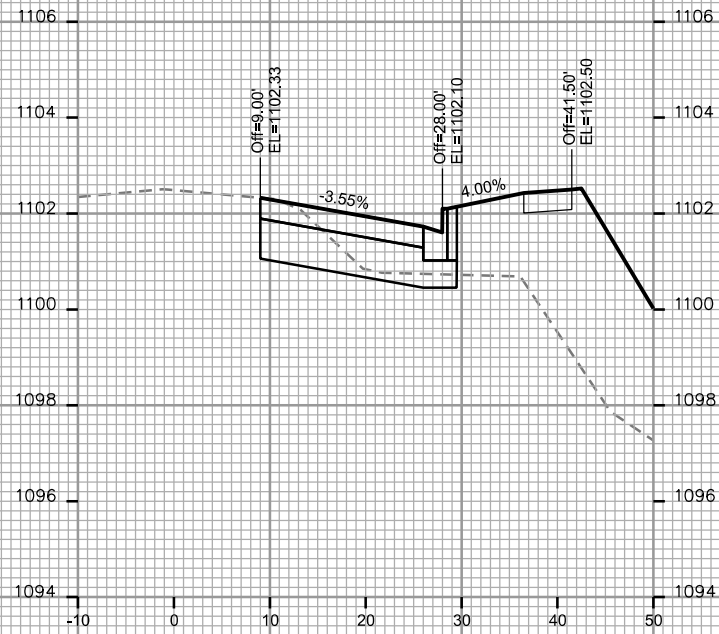
CITY OF MADISON

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

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

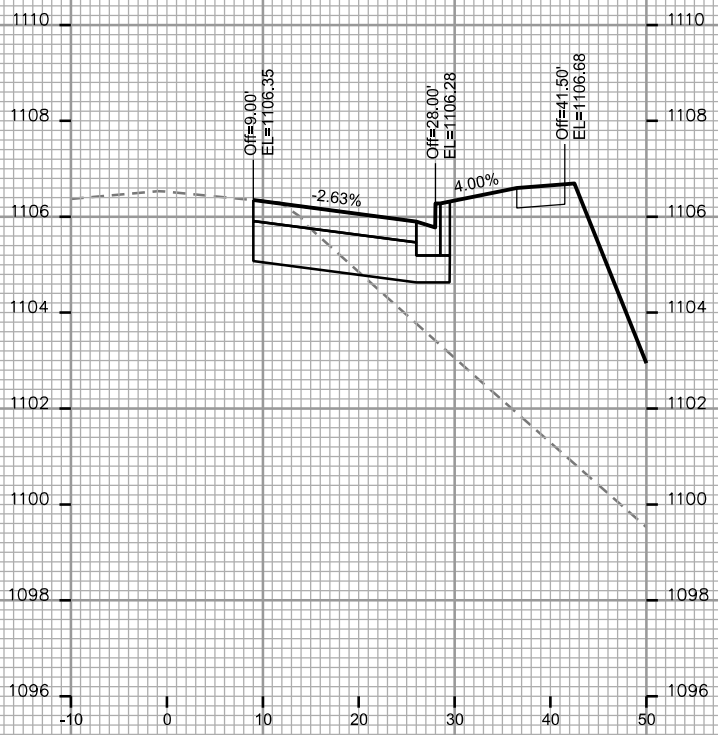
REV. DATE: \_\_\_\_\_

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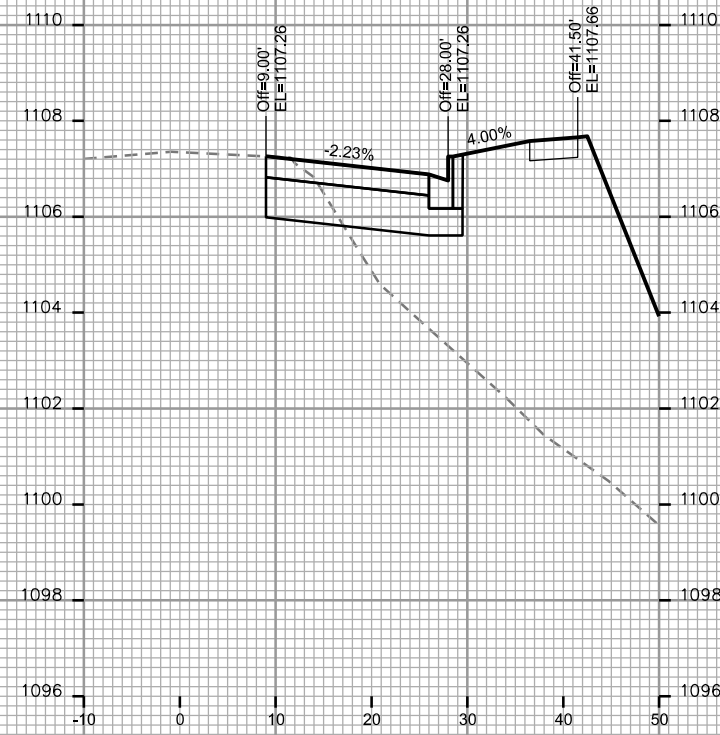


CROSS SECTIONS

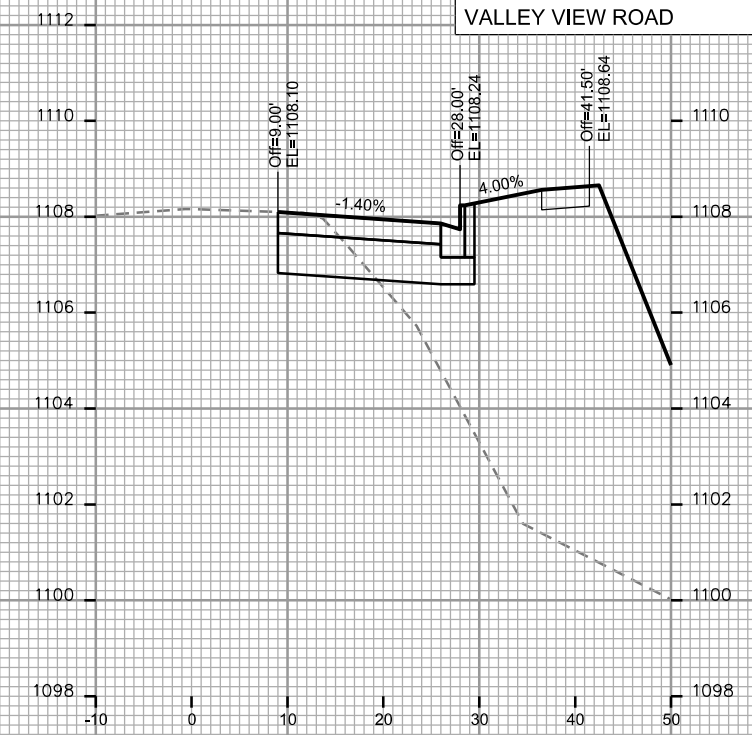
VALLEY VIEW ROAD CITY OF MADISON



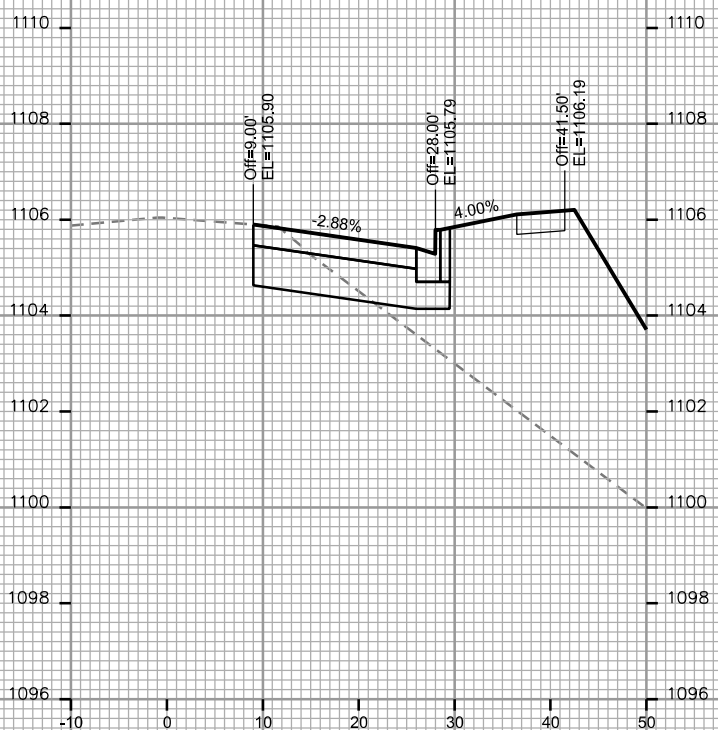
STA. 110+00



STA. 110+50



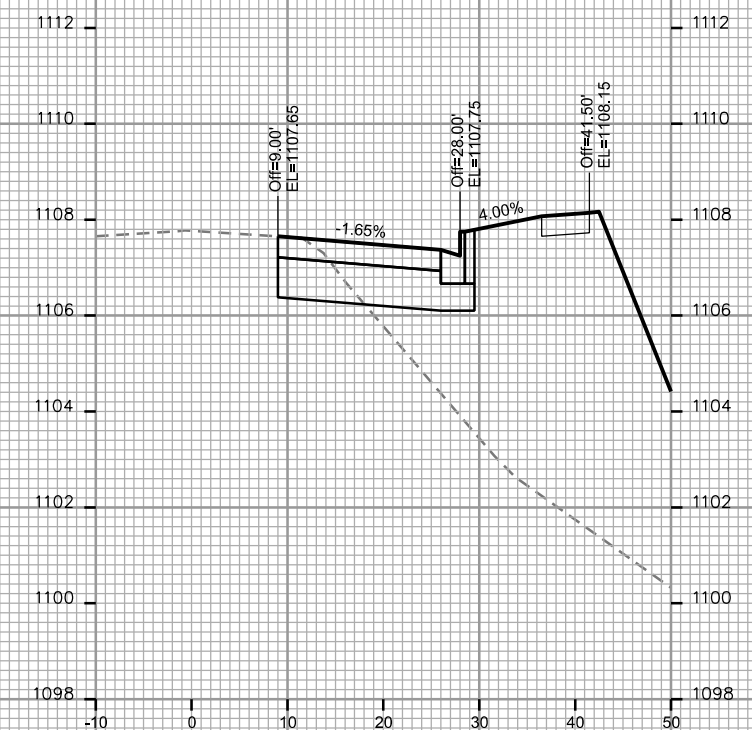
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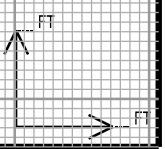
STA. 109+75



STA. 110+25



STA. 110+75



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

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

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

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

VALLEY VIEW ROAD

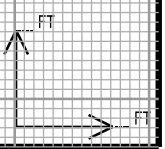
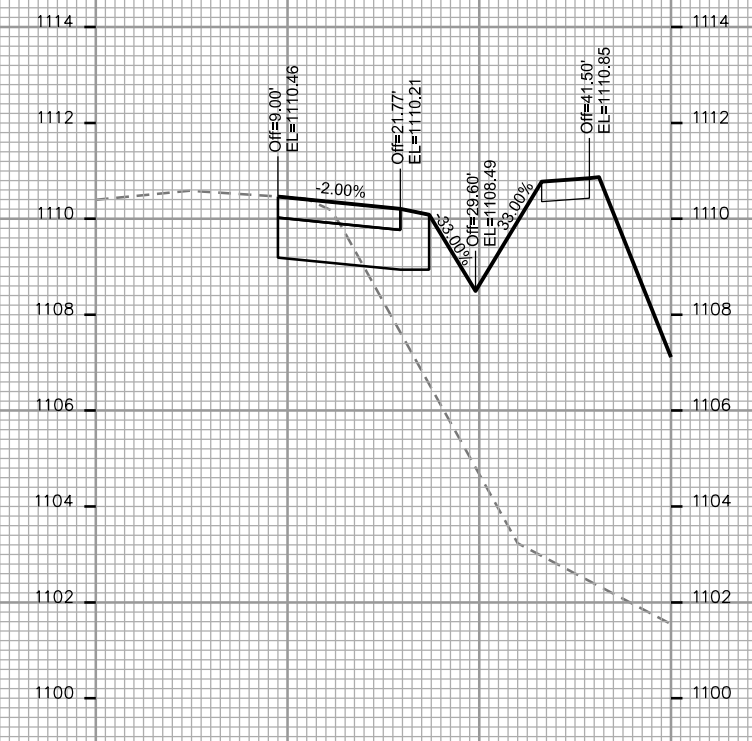
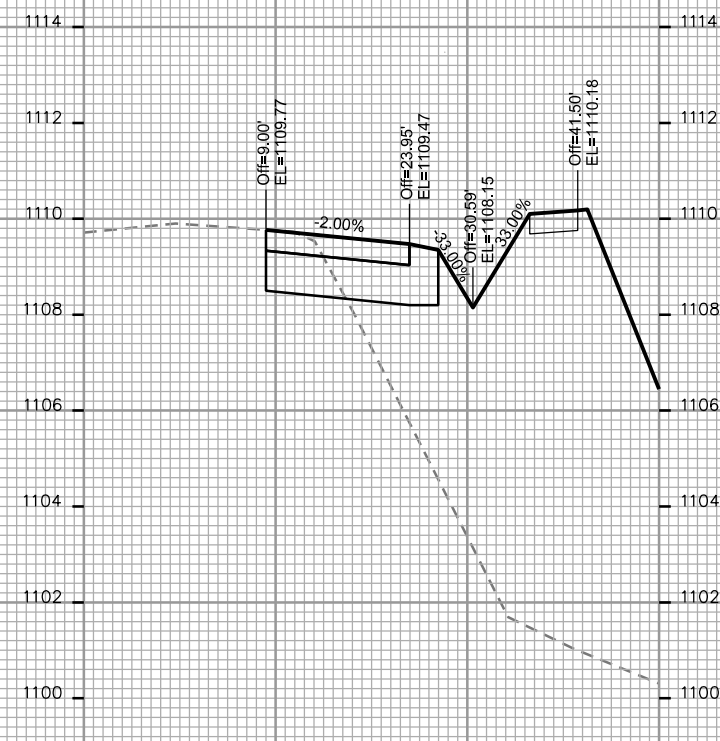
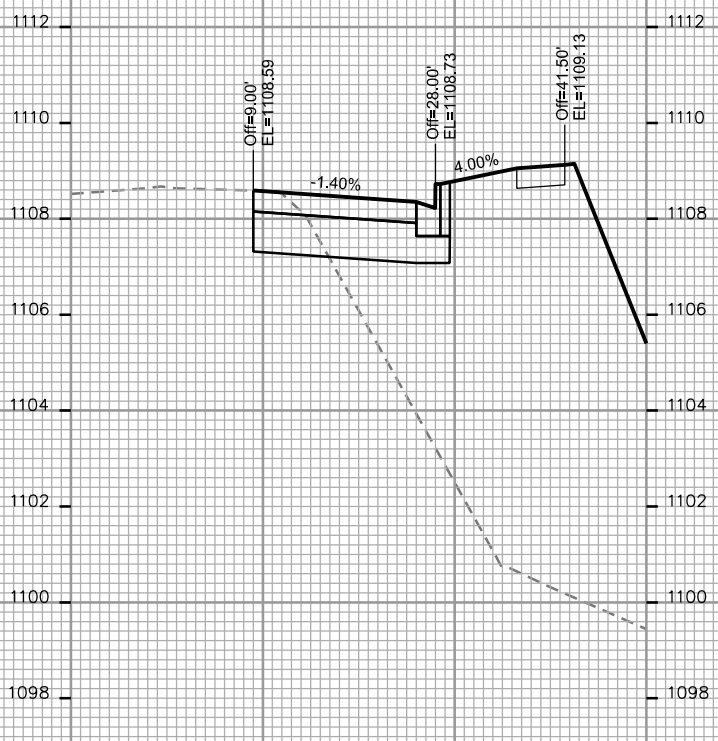
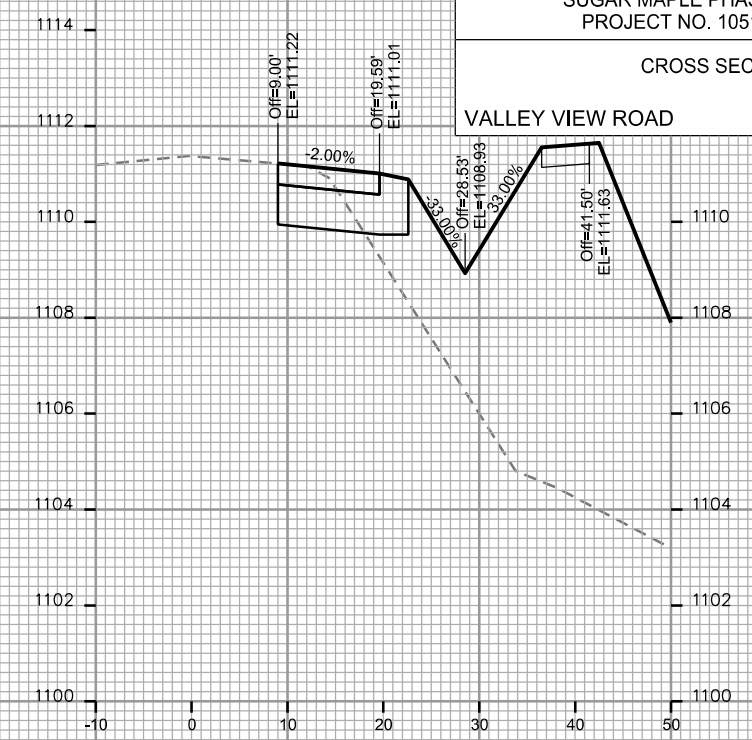
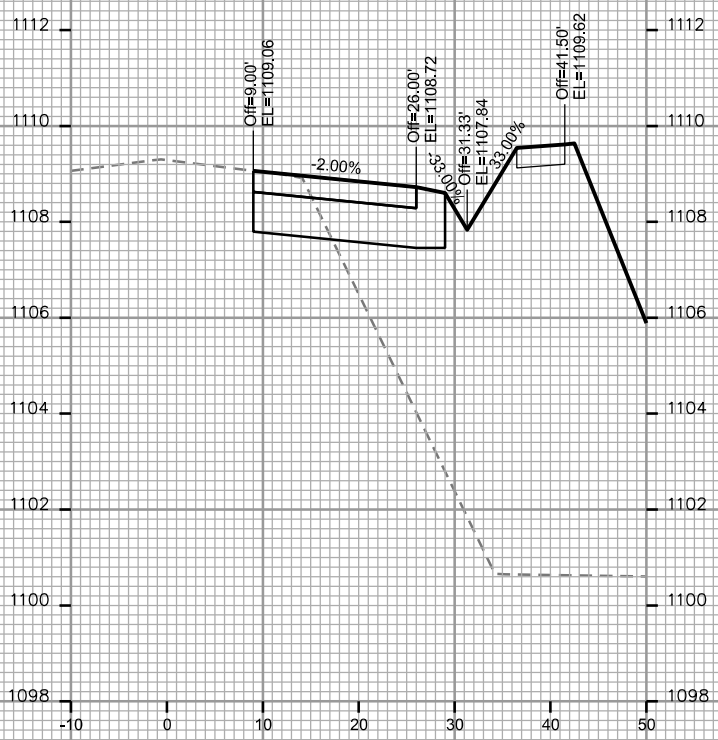
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

VALLEY VIEW ROAD

CITY OF MADISON

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

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

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

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