

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT
APPROVED

MARCH 31, 2015

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

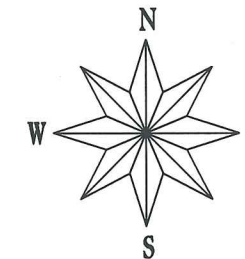
[Signature] 7/8/15
City Engineer Date

INDEX OF SHEETS

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SHEET NO. D1	TYPICAL SECTIONS
SHEET NO. D2-D4	STREET PLAN & PROFILES ✓ JPS 2015-11-04
SHEET NO. P1-P10	SEWER PLAN & PROFILES
SHEET NO. U1-U12	SEWER SCHEDULES
SHEET NO. U13-U15	POND PLANS
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SHEET NO. X1-X15	✓ JPS 2015-11-04

AUTUMN RIDGE RESERVE

CITY PROJECT NO. 10805 53B 2391
CITY CONTRACT NO. 2391



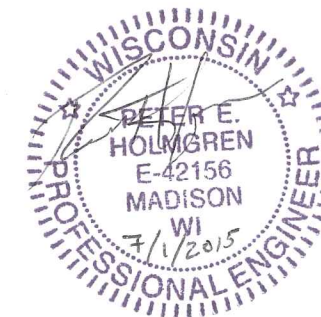
STREET GRADES
DESIGNED BY:



SANITARY SEWER
DESIGNED BY:



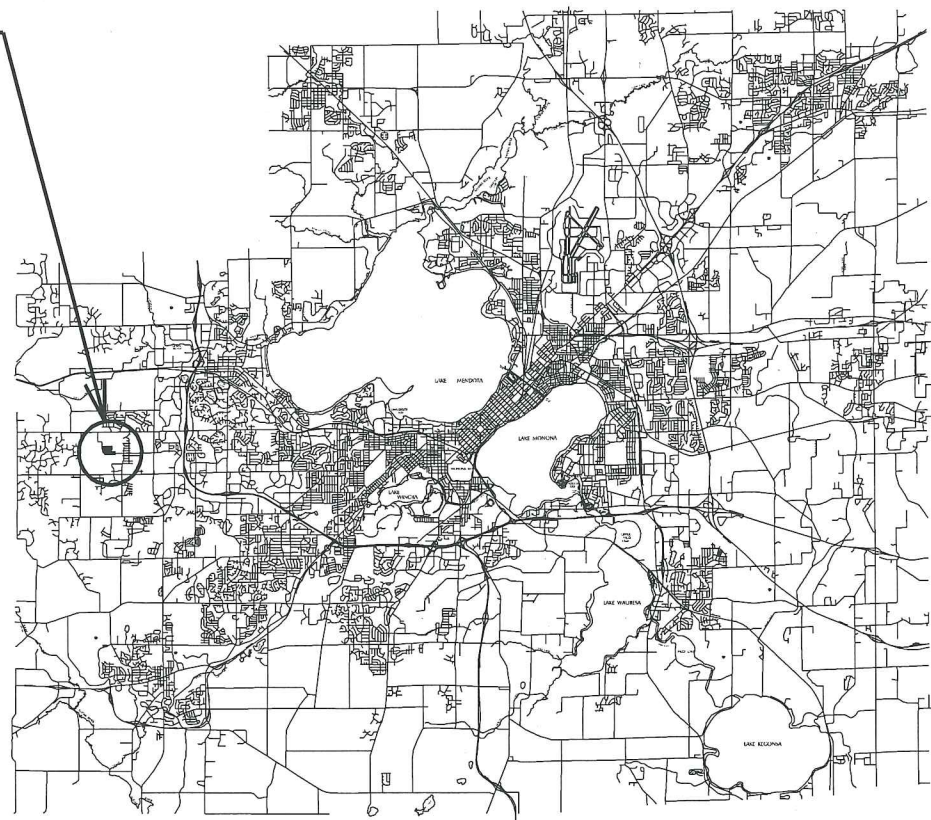
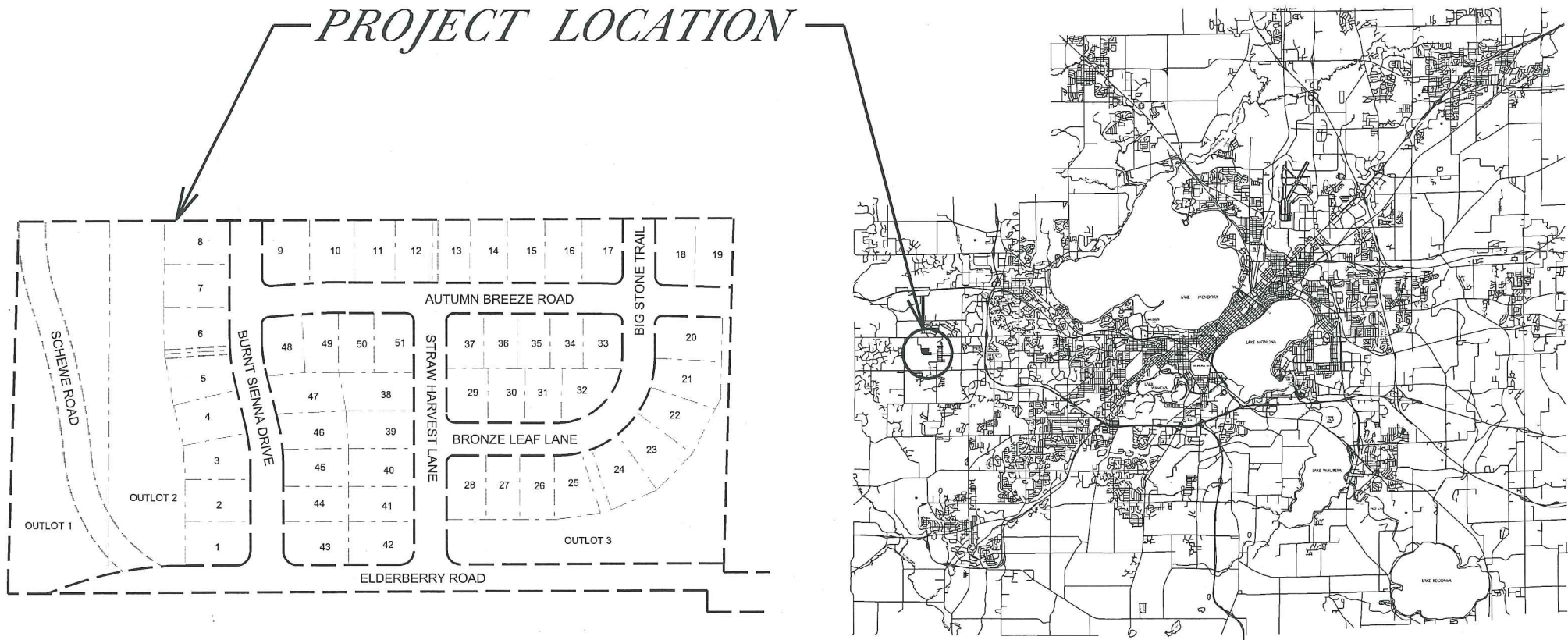
WATER
DESIGNED BY:



STORM SEWER
DESIGNED BY:



PROJECT LOCATION



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DETAIL

STANDARD NOTES
AND COMMENTS

CITY OF MADISON

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

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

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 ON ELDERBERRY ROAD. WORK MAY NOT PROCEED ON ELDERBERRY ROAD UNTIL THERE IS AN APPROVED TRAFFIC CONTROL PLAN OBTAINED FROM CITY TRAFFIC ENGINEERING. CONTACT TOM MOHR VIA EMAIL AT TMOHR@CITYOFMADISON.COM

ELDERBERRY RD MAY BE FULLY CLOSED DURING CONSTRUCTION. ONE MESSAGE BOARD NEEDS TO BE IN PLACE ON ELDERBERRY RD, FACING WESTBOUND TRAFFIC A MINIMUM OF FIVE DAYS BEFORE THE CLOSURE, NOTIFYING DRIVERS OF THE CLOSURE DATES.

BIG STONE TRAIL, BRONZE LEAF LANE, BURNT SIENNA DRIVE, AUTUMN BREEZE ROAD, AND STRAW HARVEST LANE SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ELDERBERRY ROAD SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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

ALL GUTTERS SHALL DRAIN WITH A MINIMUM 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.

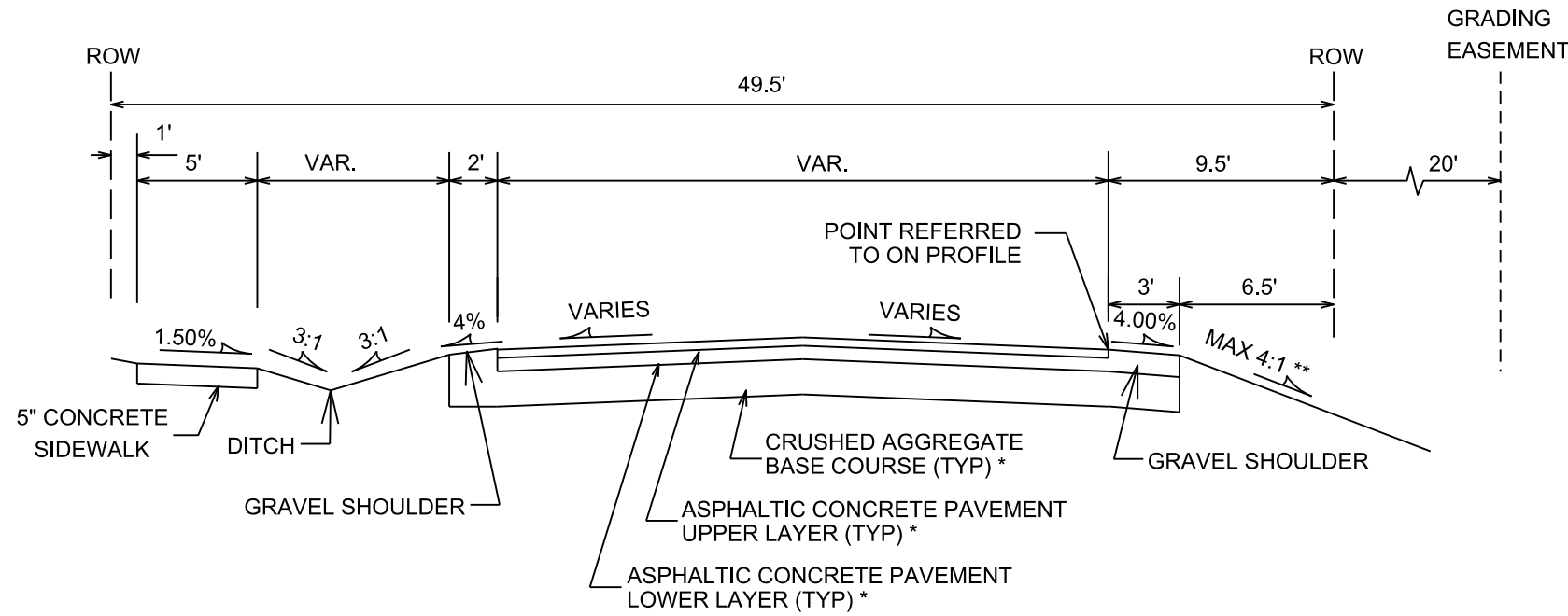
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE: _____

PLOT NAME: _____

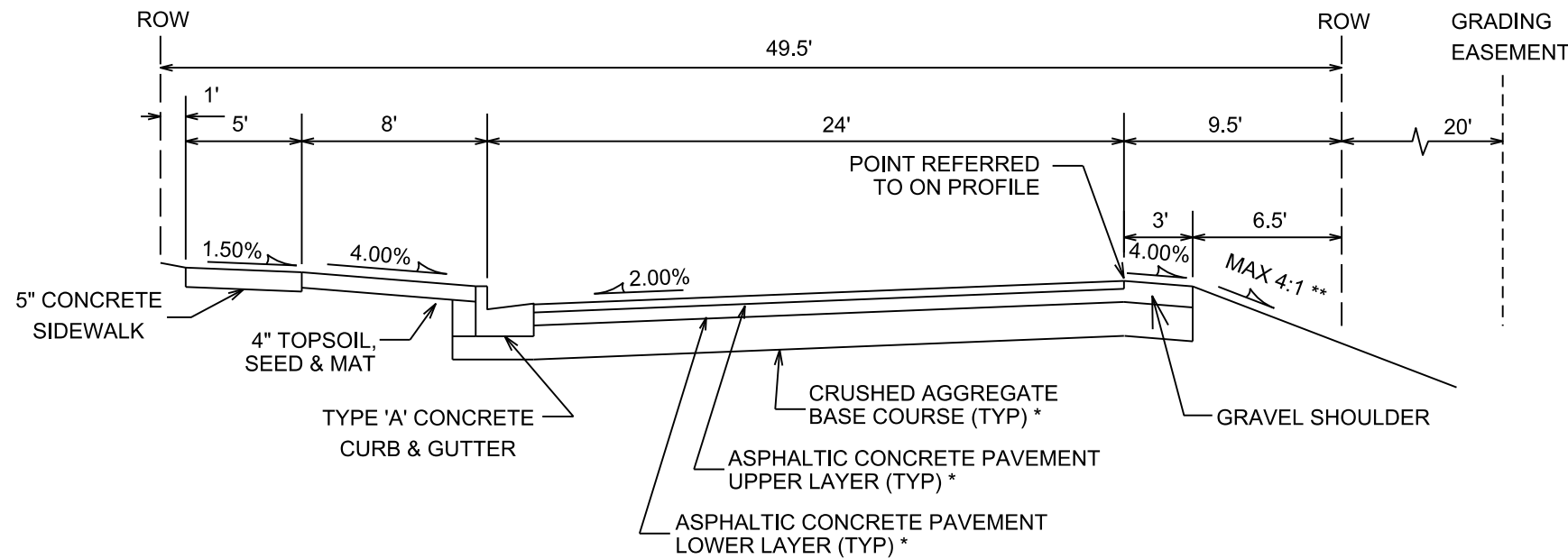
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION

ELDERBERRY ROAD
STA 12+14 TO STA 12+50



TYPICAL SECTION

ELDERBERRY ROAD
STA 12+14 TO STA 21+25

NOTES:

TYPICAL SECTIONS NOT TO SCALE

* ELDERBERRY ROAD TO BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

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

CITY OF MADISON MINIMUM PAVEMENT DESIGN

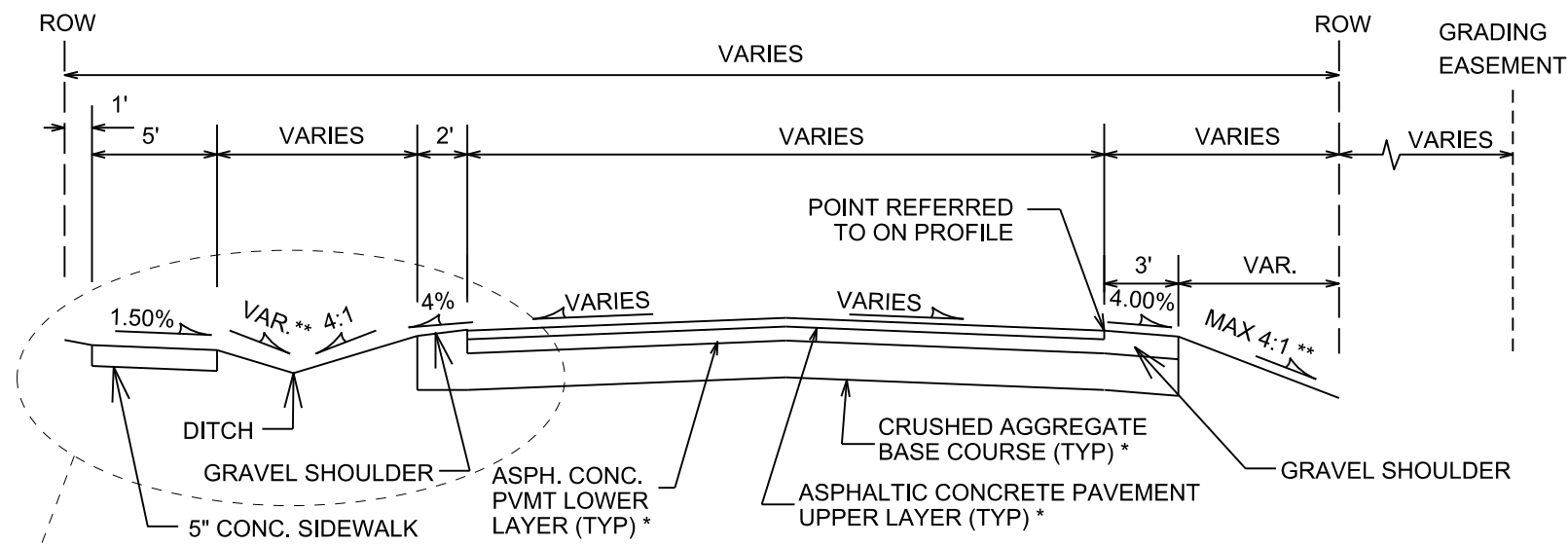
TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER TYPE	LOWER LAYER THICKNESS	UPPER LAYER TYPE	UPPER LAYER THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.25"	E-1	2"
C	6"	4"	E-3	3.25"	E-3	2"

PLOT SCALE:

PLOT NAME:

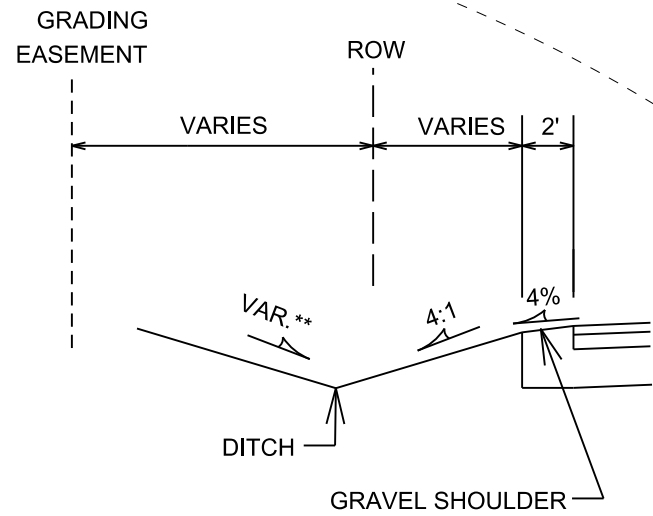
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION

ELDERBERRY ROAD
STA 21+25 TO STA 24+00



PROPOSED LEFT SIDE

ELDERBERRY ROAD
STA 22+00 TO STA 24+00

NOTES:

TYPICAL SECTIONS NOT TO SCALE

* ELDERBERRY ROAD TO BE CONSTRUCTED AS TYPE 'C' PAVEMENT
PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

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

CITY OF MADISON MINIMUM PAVEMENT DESIGN

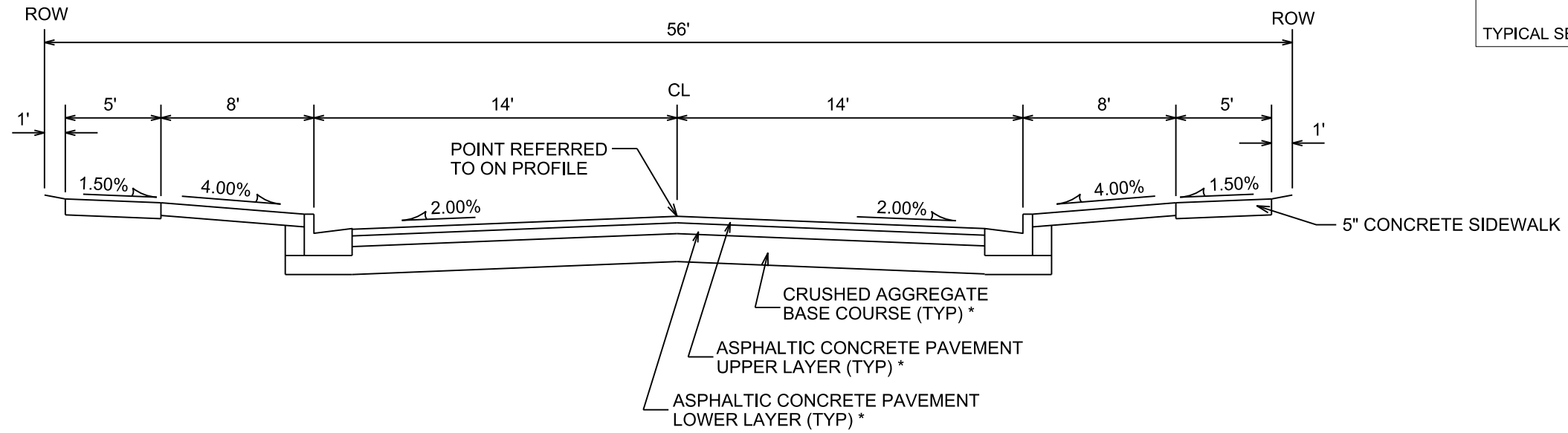
TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER TYPE	LOWER LAYER THICKNESS	UPPER LAYER TYPE	UPPER LAYER THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.25"	E-1	2"
C	6"	4"	E-3	3.25"	E-3	2"

PLOT SCALE:

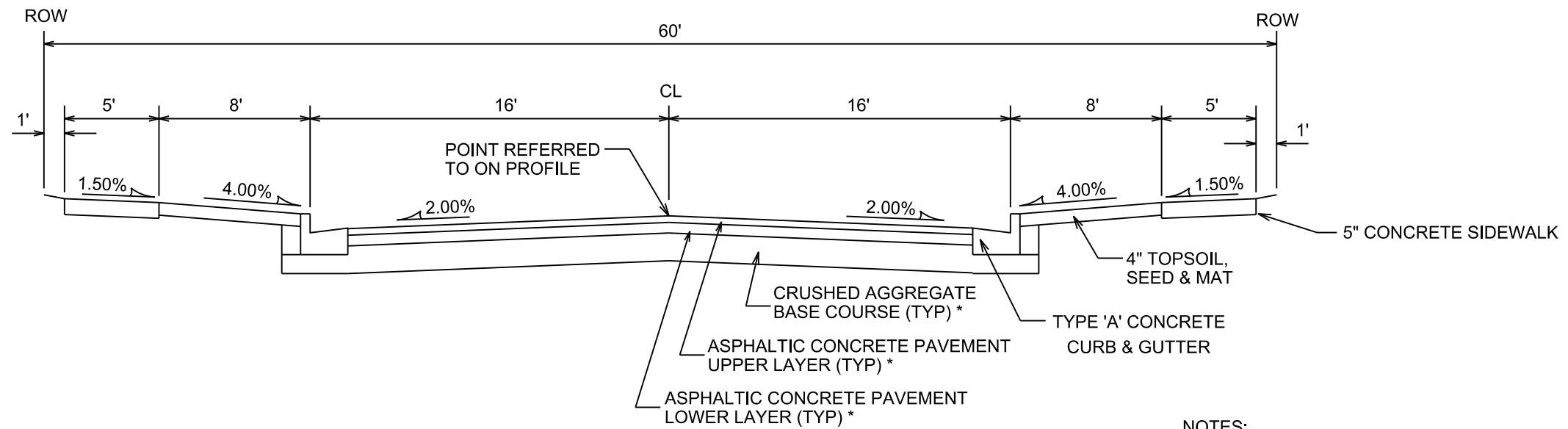
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION
AUTUMN BREEZE ROAD



TYPICAL SECTION
BIG STONE TRAIL
BRONZE LEAF LANE
BURNT SIENNA DRIVE
STRAW HARVEST LANE

NOTES:

TYPICAL SECTIONS NOT TO SCALE

* AUTUMN BREEZE ROAD, BIG STONE TRAIL, BRONZE LEAF LANE, BURNT SIENNA DRIVE, AND STRAW HARVEST LANE TO BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER 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"

PLOT SCALE:

PLOT NAME:

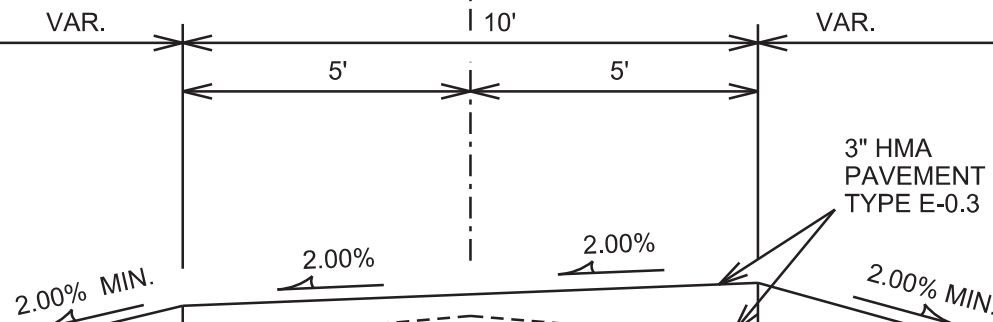
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

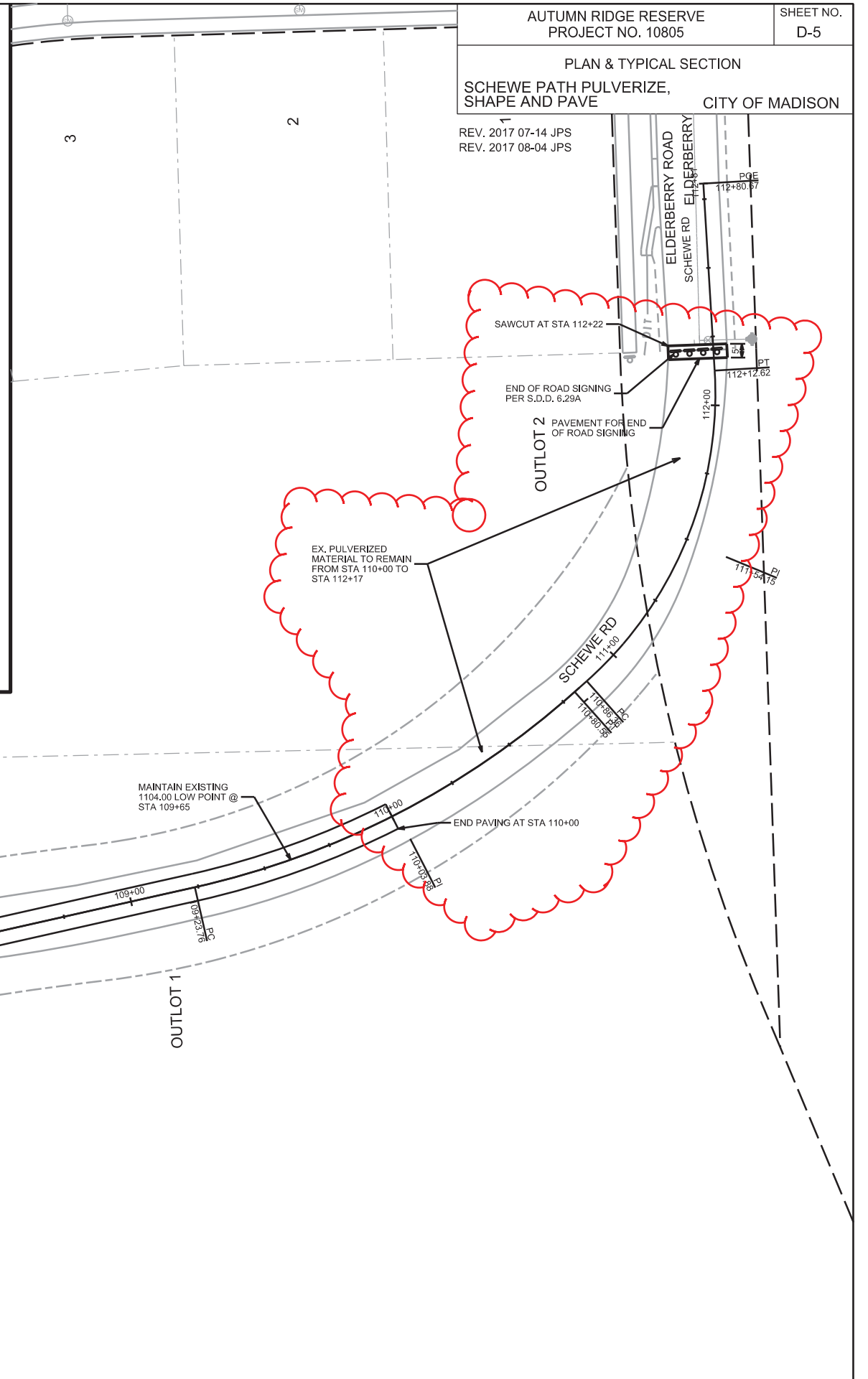
PLAN & TYPICAL SECTION
SCHEWE PATH PULVERIZE,
SHAPE AND PAVE CITY OF MADISON

REV. 2017 07-14 JPS
REV. 2017 08-04 JPS

EXISTING EDGE OF ASPHALT CL 10' EXISTING EDGE OF ASPHALT



PROPOSED TOP OF PULVERIZED SHOULDER
EXISTING TOP OF ASPHALT SURFACE
BOTTOM OF EXISTING ASPHALT AND PROPOSED PULVERIZED BASE
TYPICAL SECTION
SCHEWE PATH NOT TO SCALE



SCALE 1"=50'

OL 3

PLOT SCALE: _____

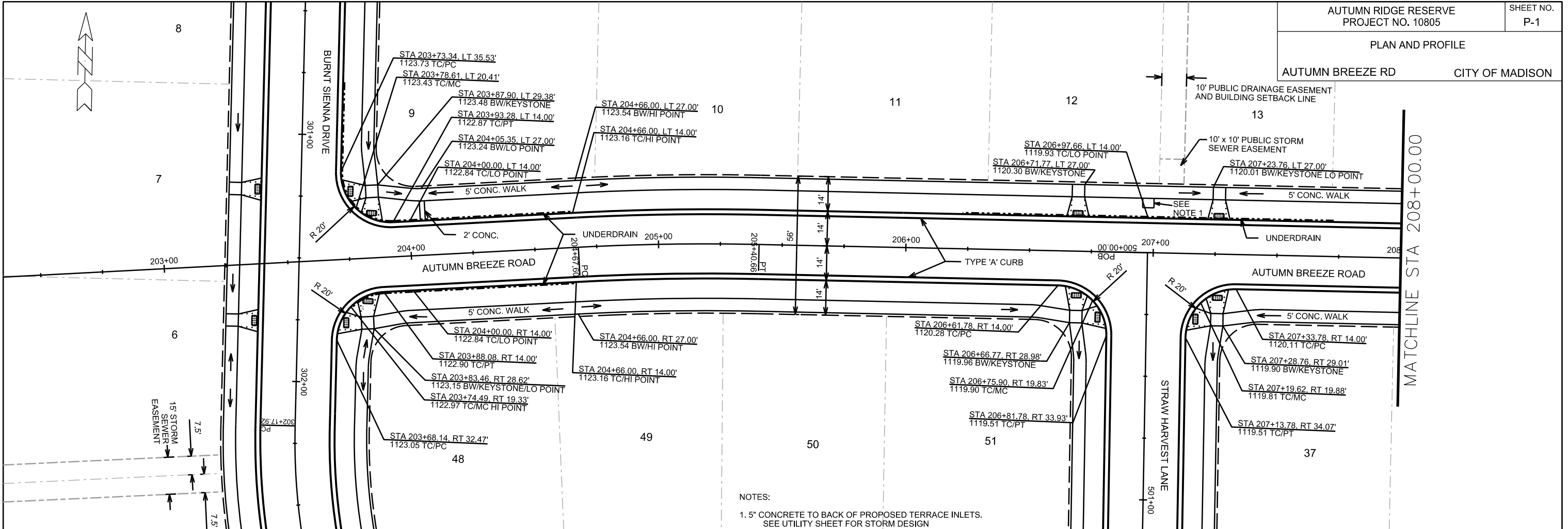
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REV. DATE: _____

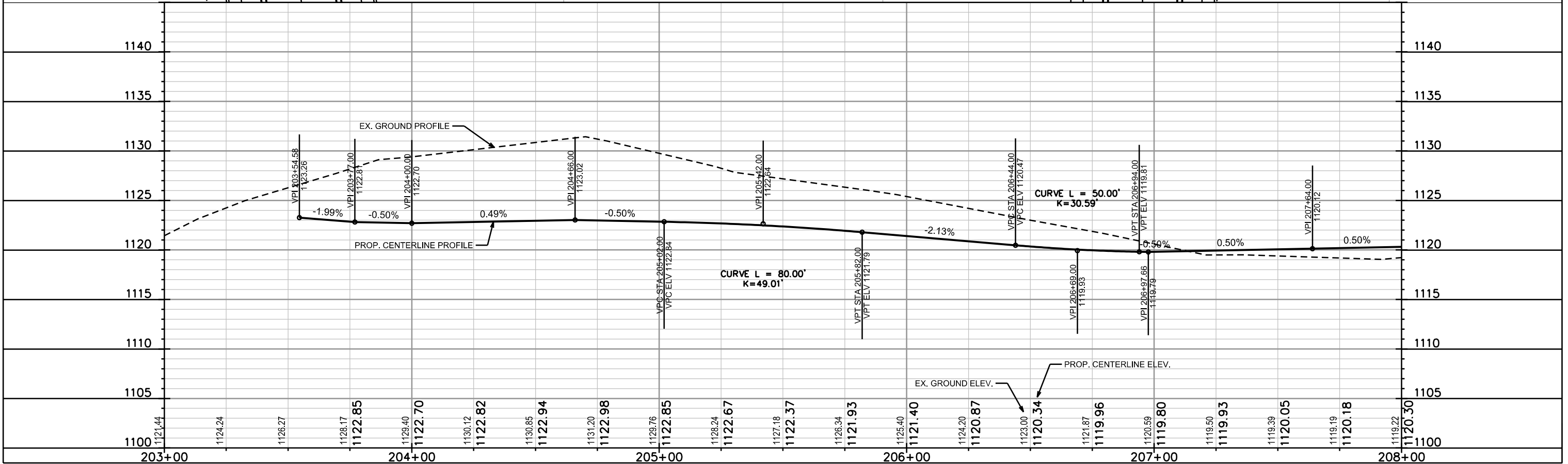
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

AUTUMN BREEZE RD CITY OF MADISON



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



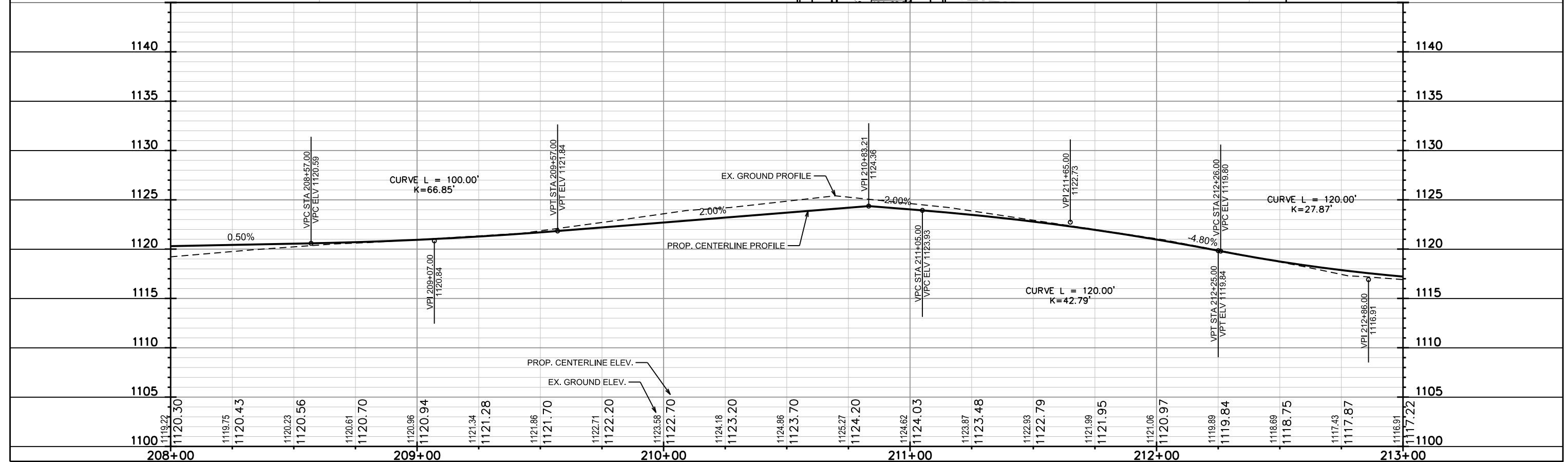
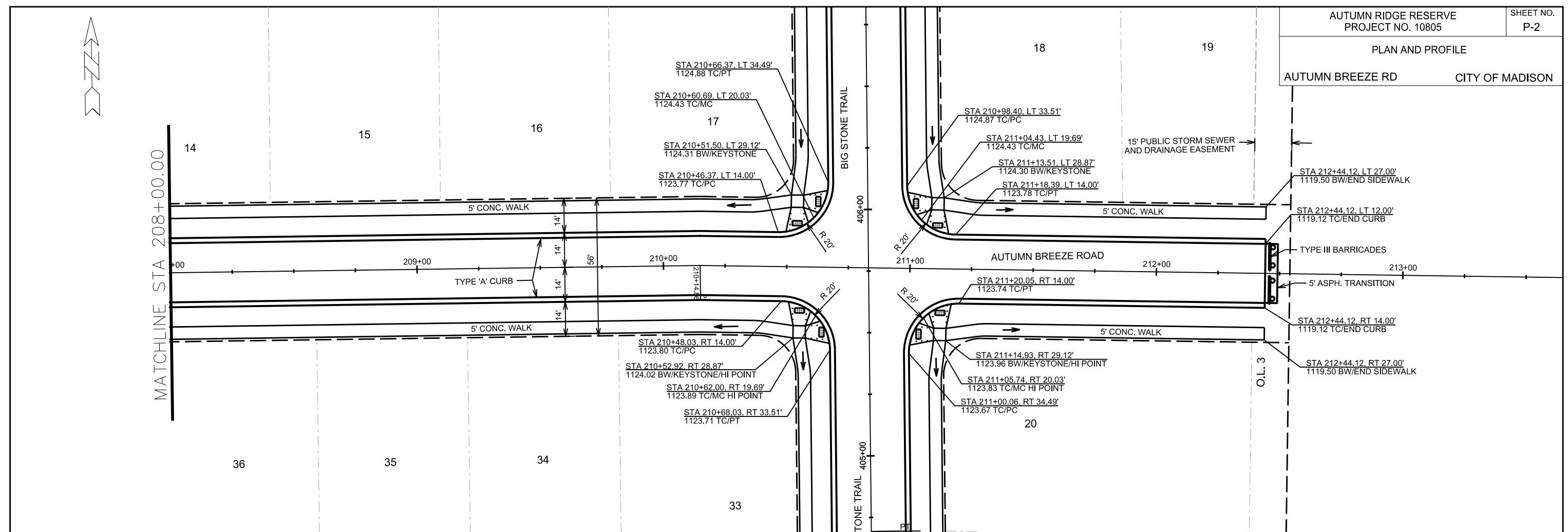
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PLOT NAME: _____

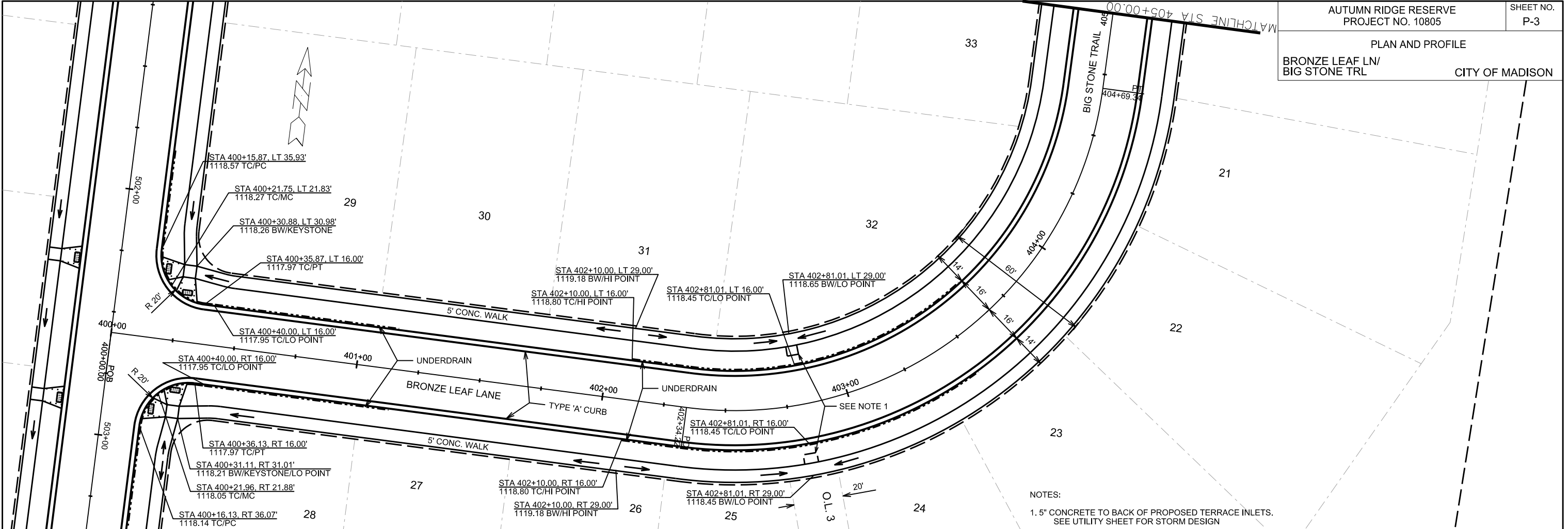
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

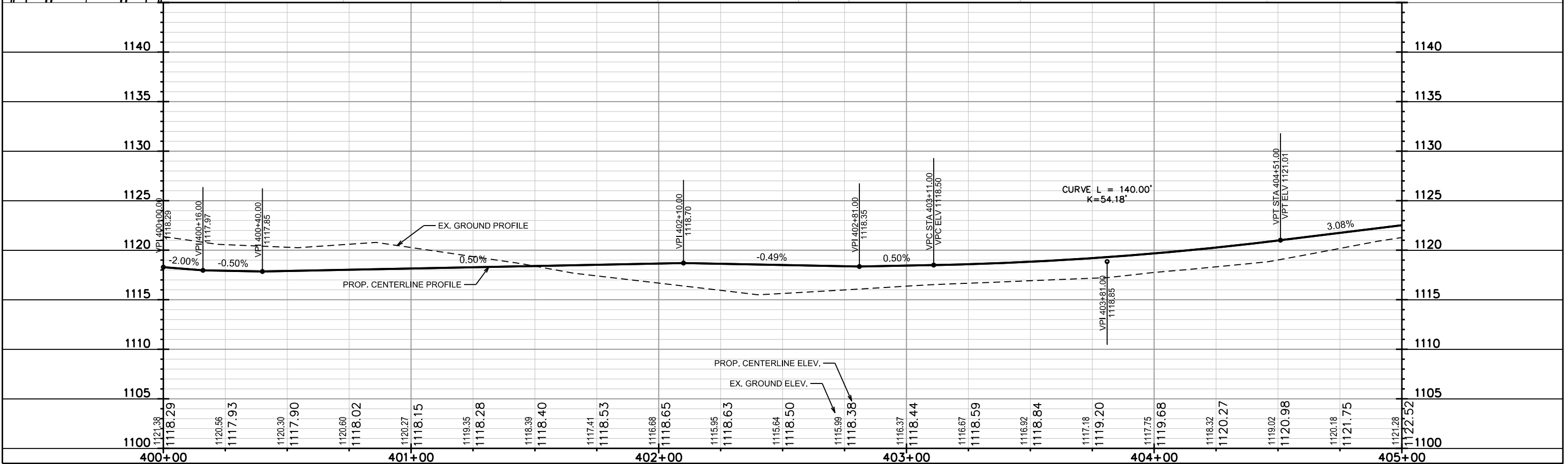
PLAN AND PROFILE
AUTUMN BREEZE RD CITY OF MADISON



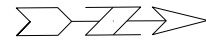
PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION



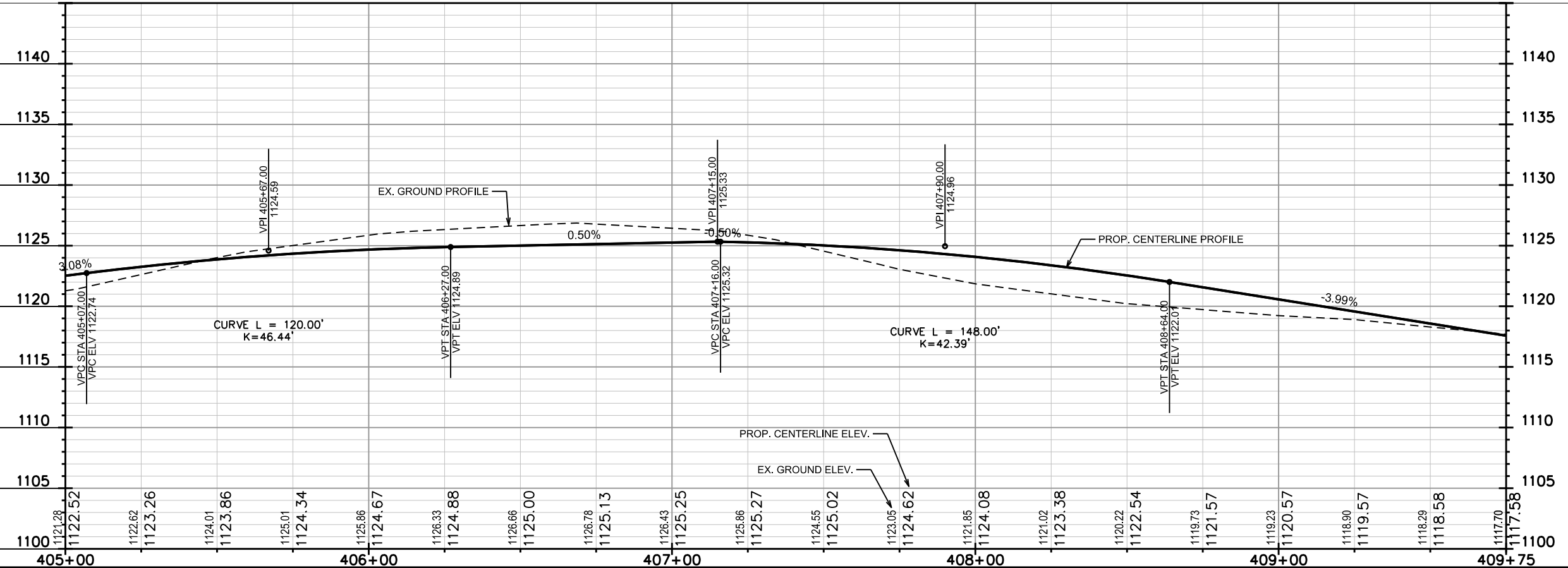
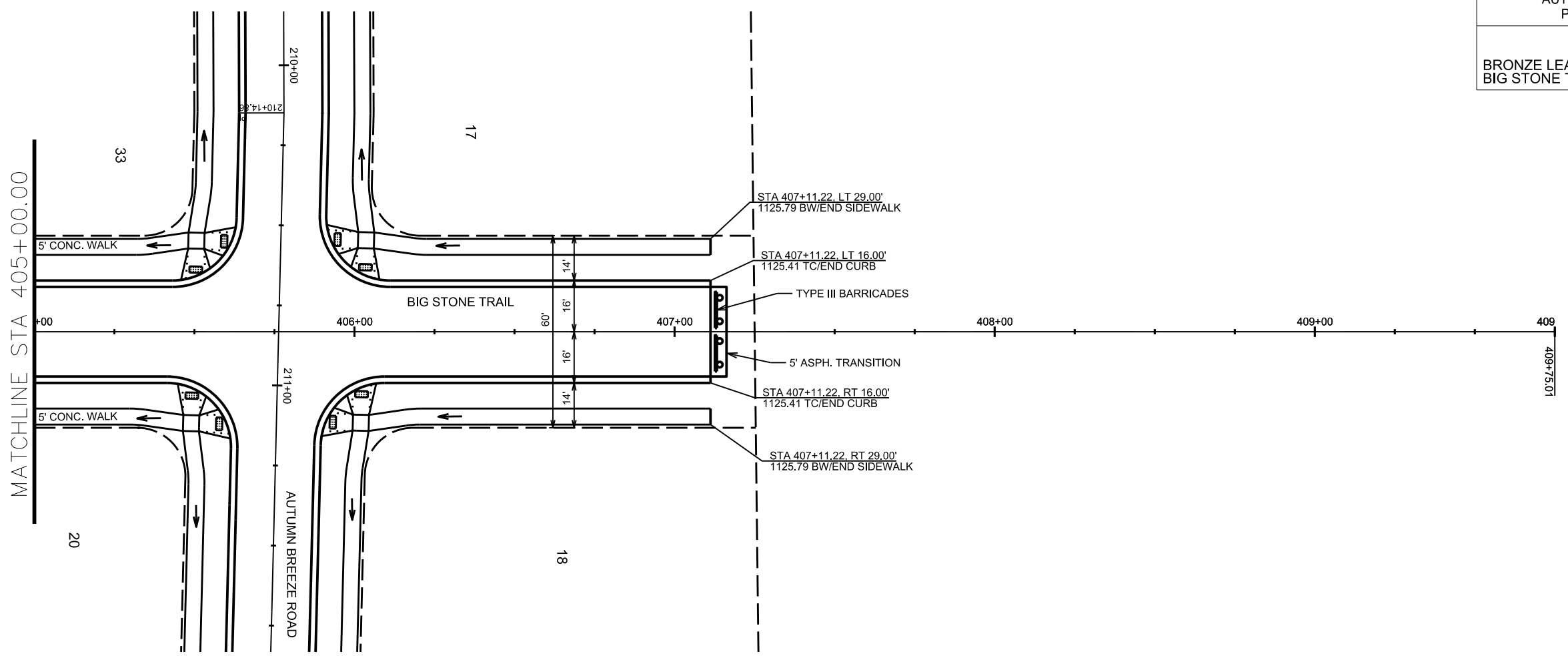
NOTES:
1. 5" CONCRETE TO BACK OF PROPOSED TERRACE INLETS.
SEE UTILITY SHEET FOR STORM DESIGN



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



MATCHLINE STA 405+00.00

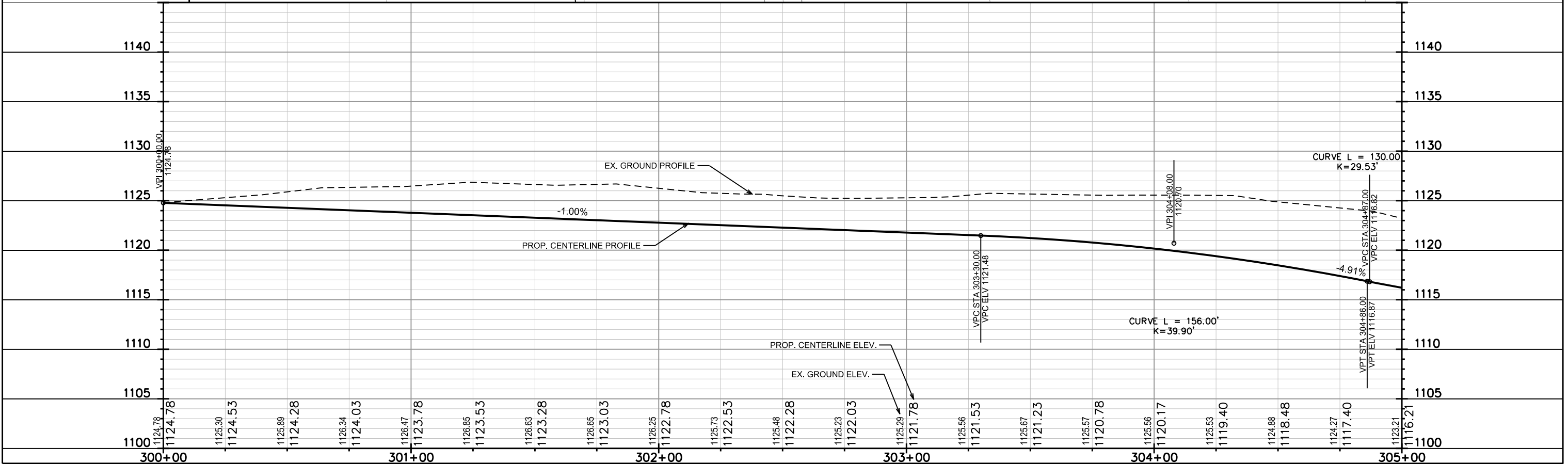
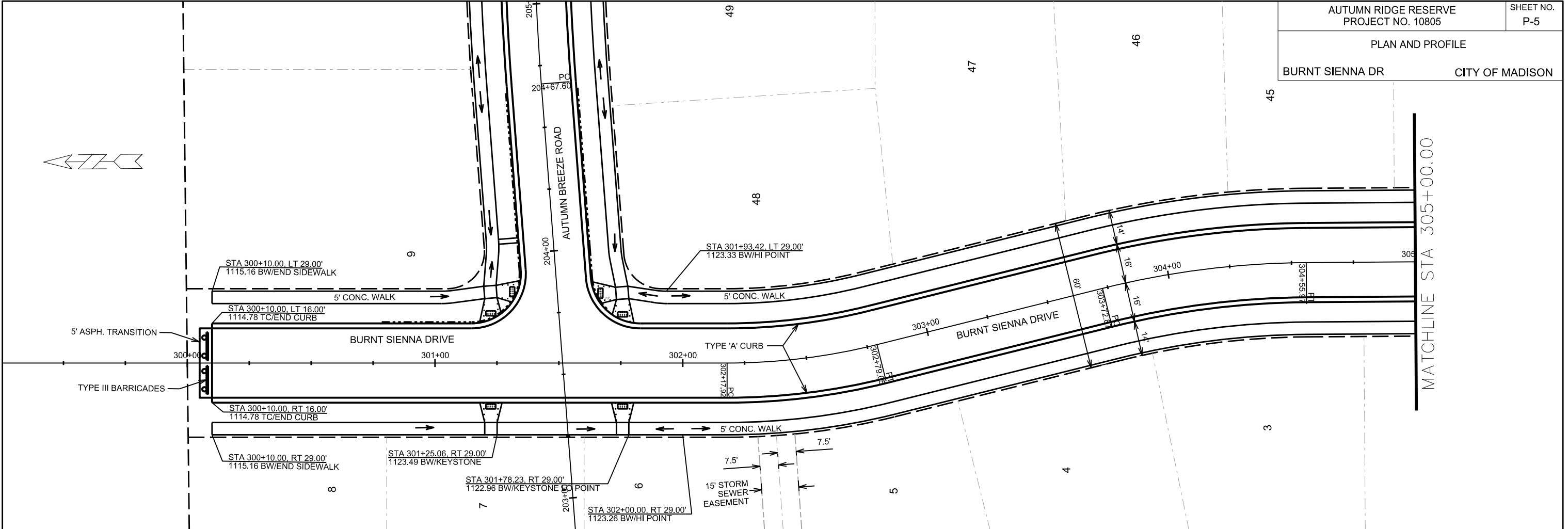


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PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

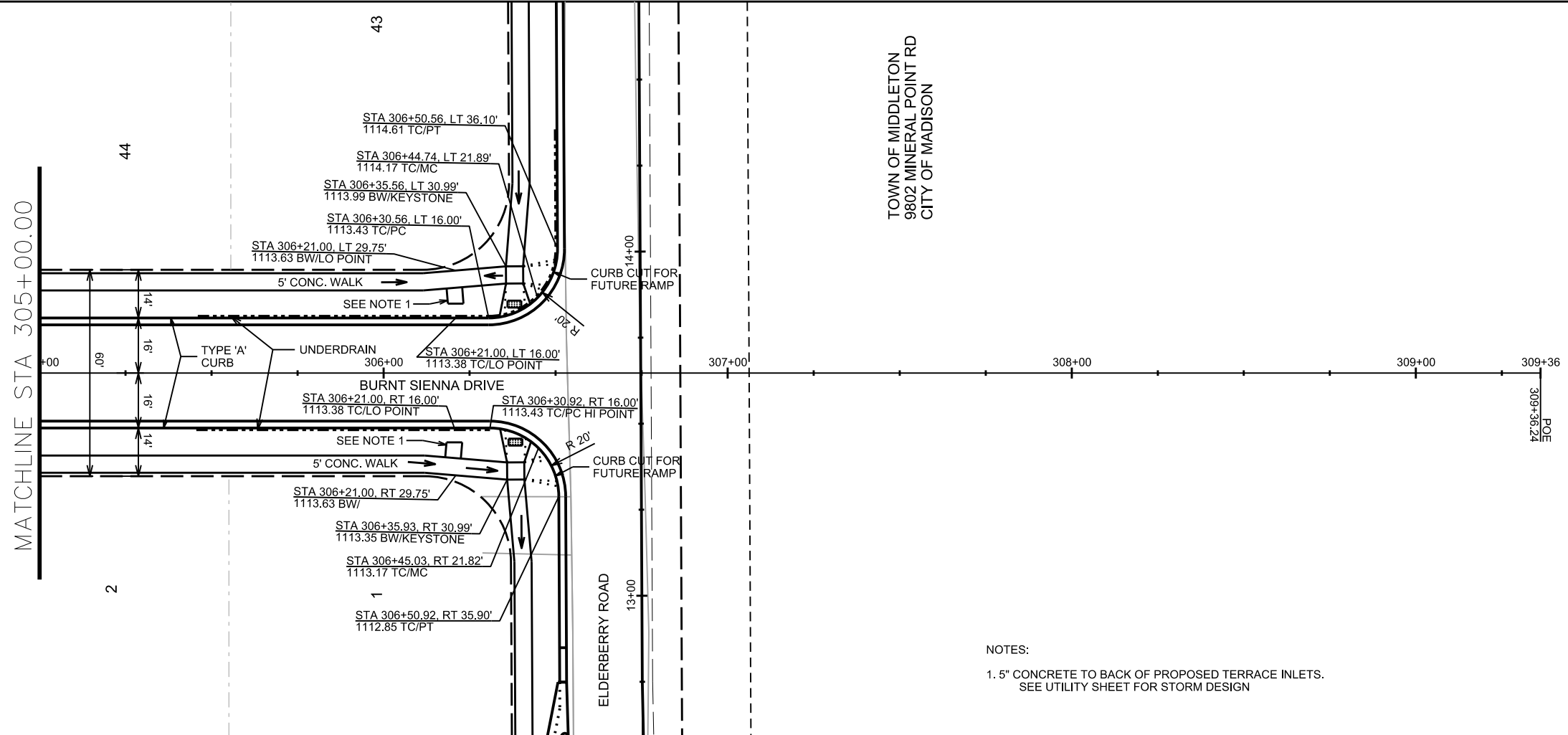
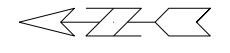


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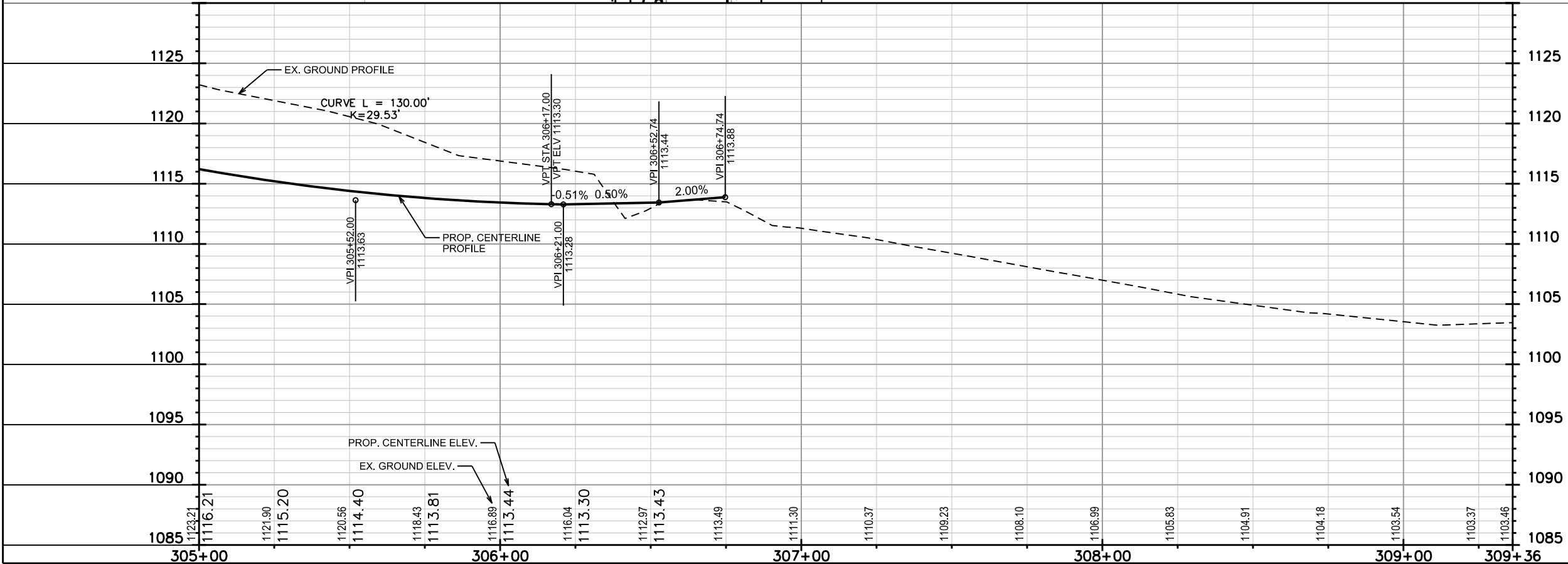
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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



PLOT SCALE:

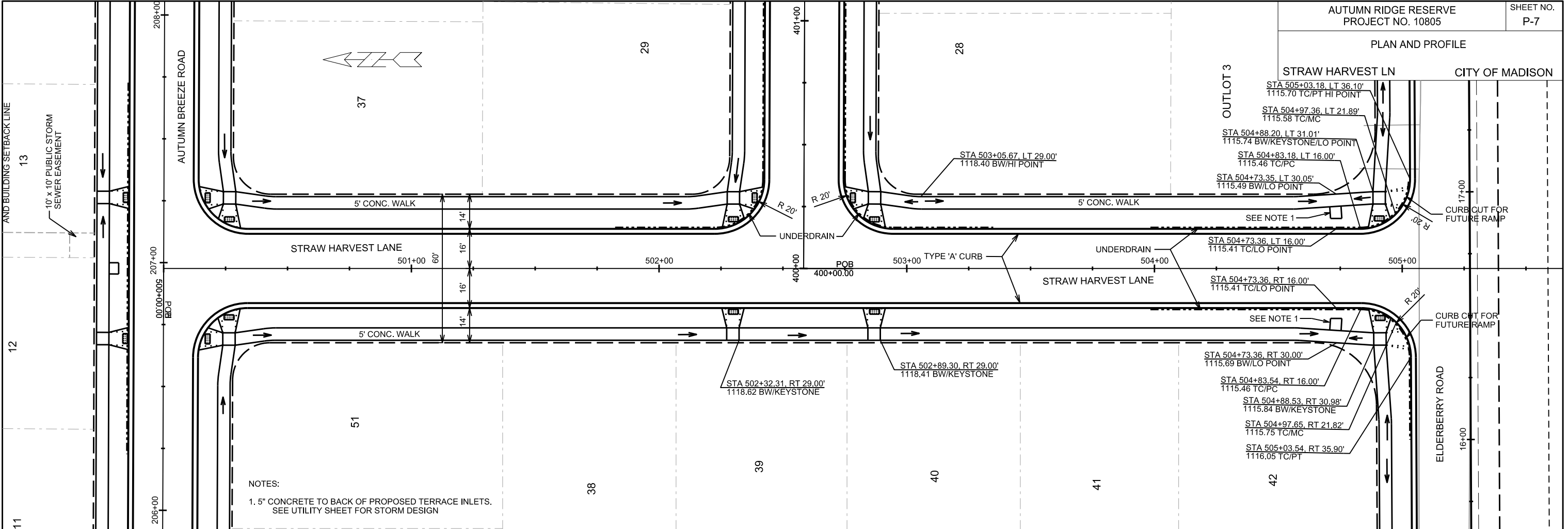
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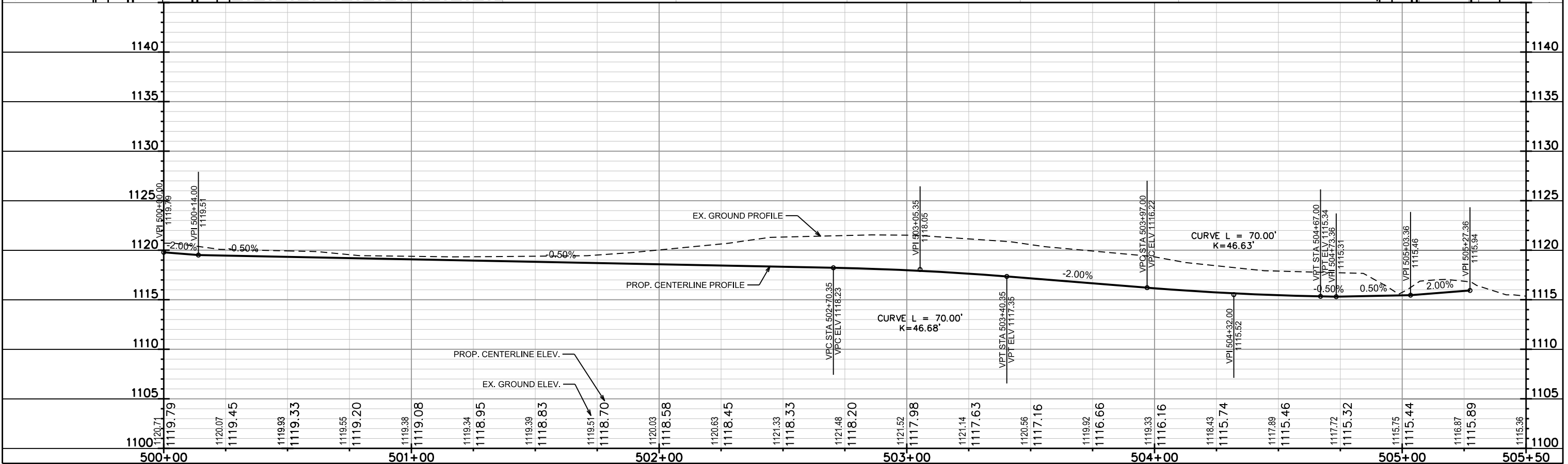
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

STRAW HARVEST LN CITY OF MADISON



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

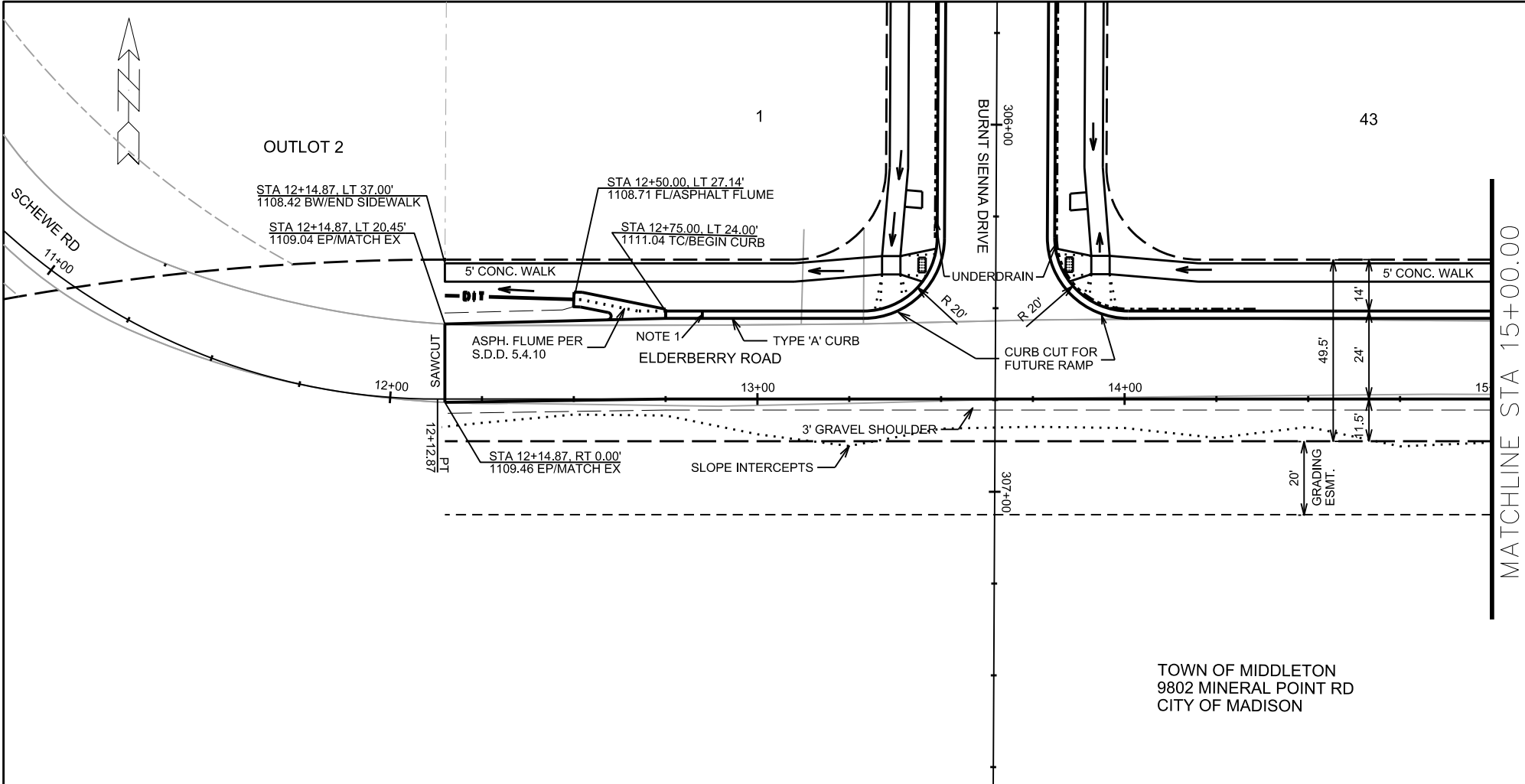


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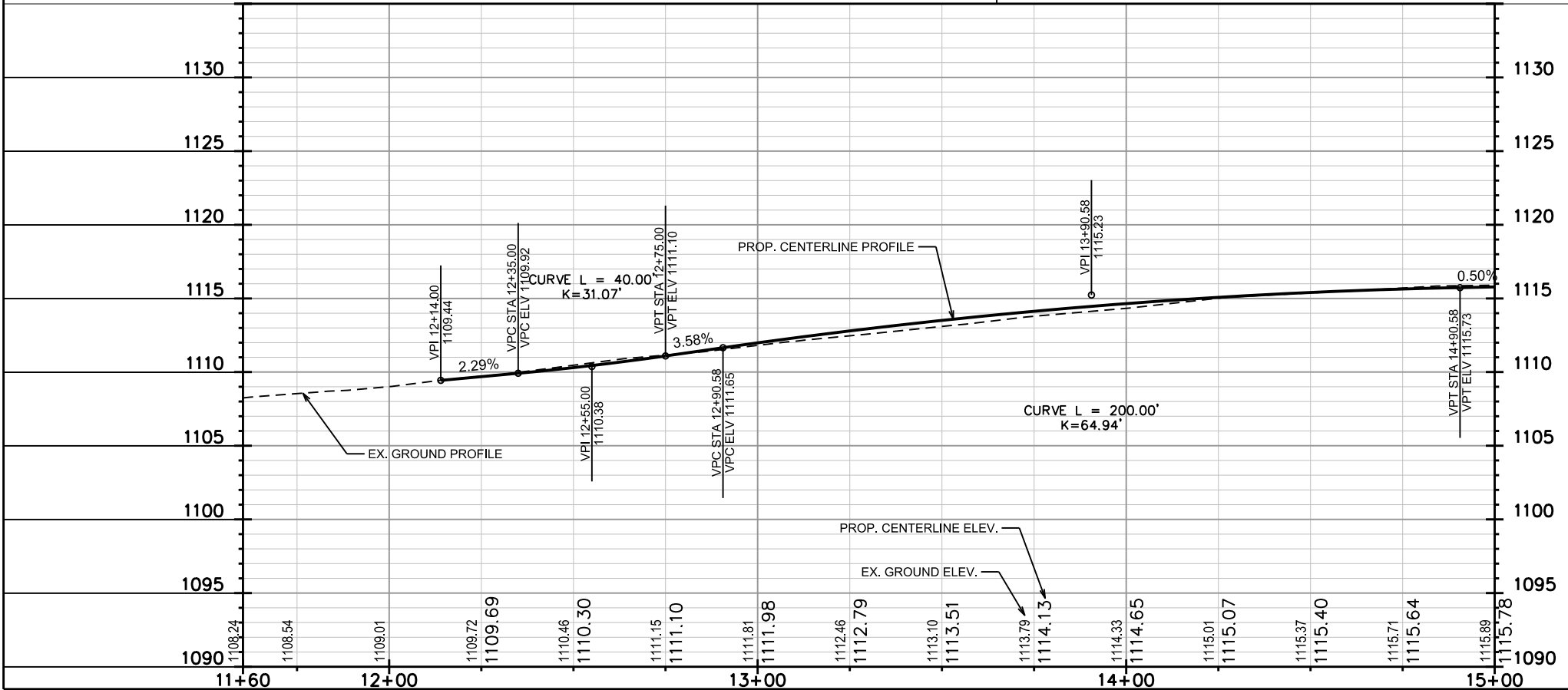
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TOWN OF MIDDLETON
9802 MINERAL POINT RD
CITY OF MADISON

- NOTES:
1. TRANSITION CURB HEAD FROM 6" TO 0" OVER 10'

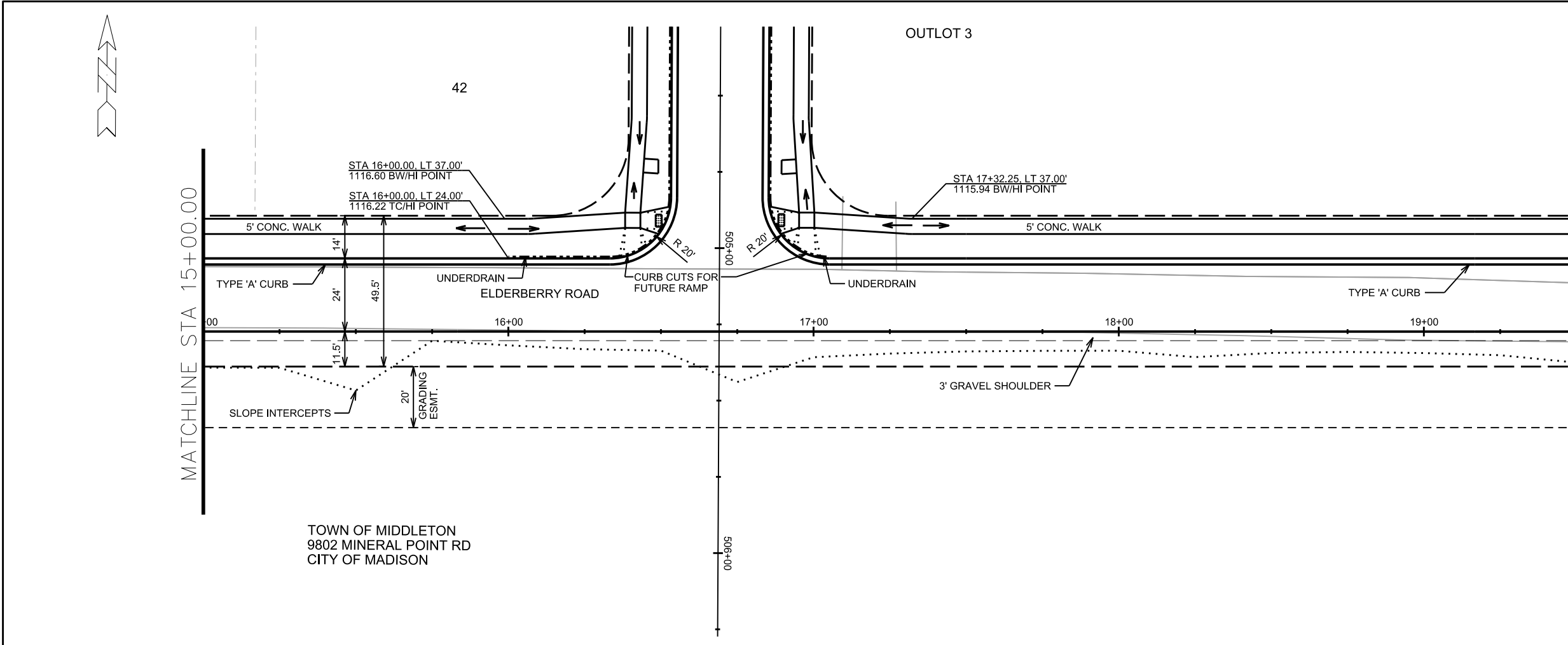


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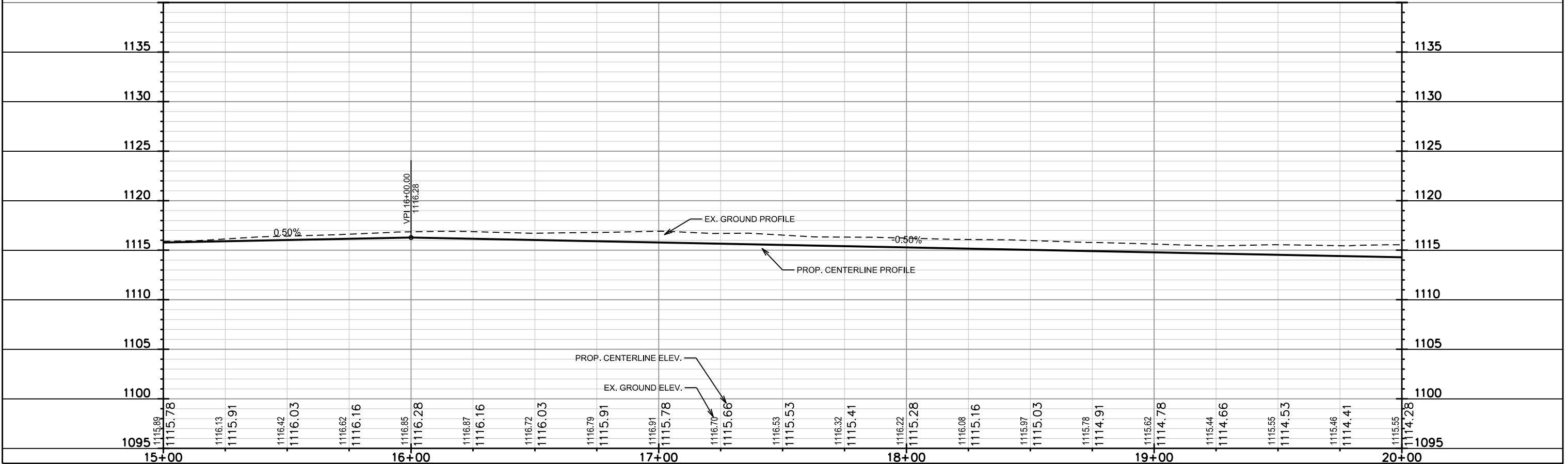
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TOWN OF MIDDLETON
9802 MINERAL POINT RD
CITY OF MADISON

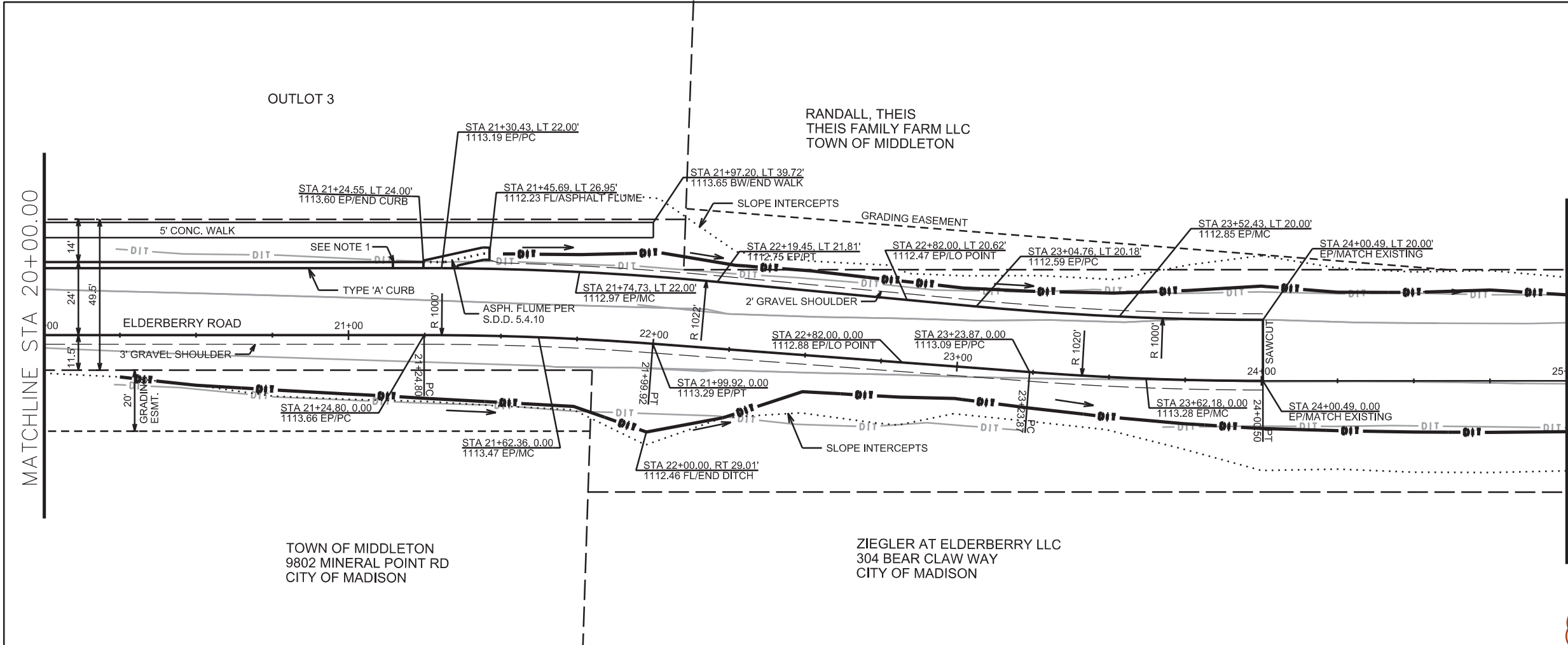


PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

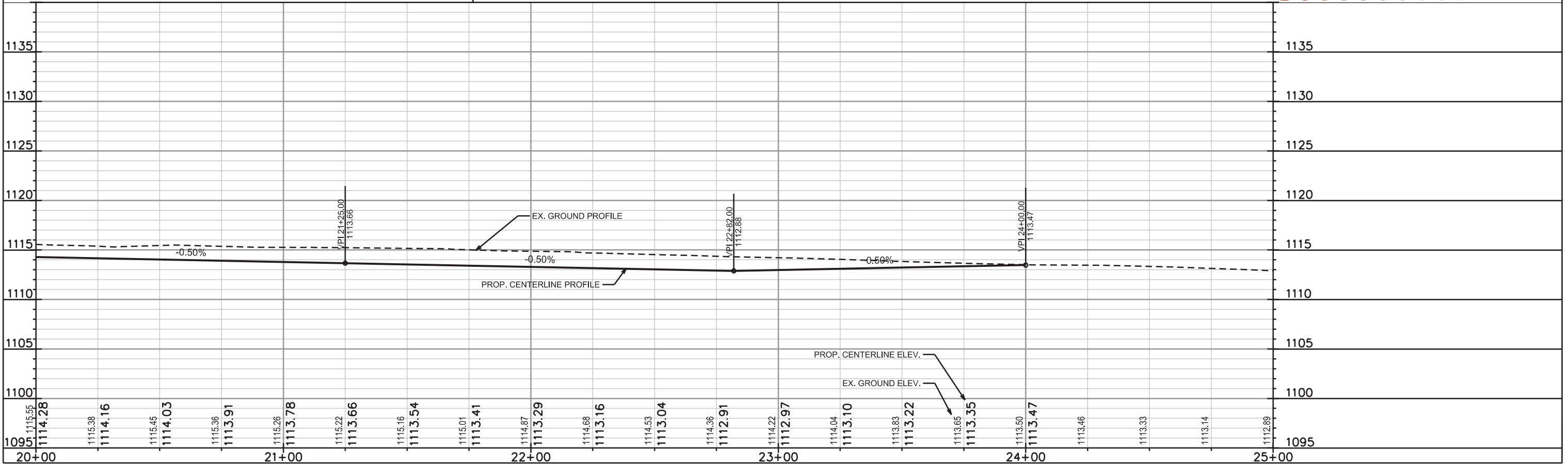
PLAN AND PROFILE

ELDERBERRY RD CITY OF MADISON

REV. JPS 2015 11-04



- NOTES:
1. TRANSITION CURB HEAD FROM 6" TO 0" OVER 10'
 2. SEE CROSS SECTIONS FOR DITCH AND STREET DESIGN.



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

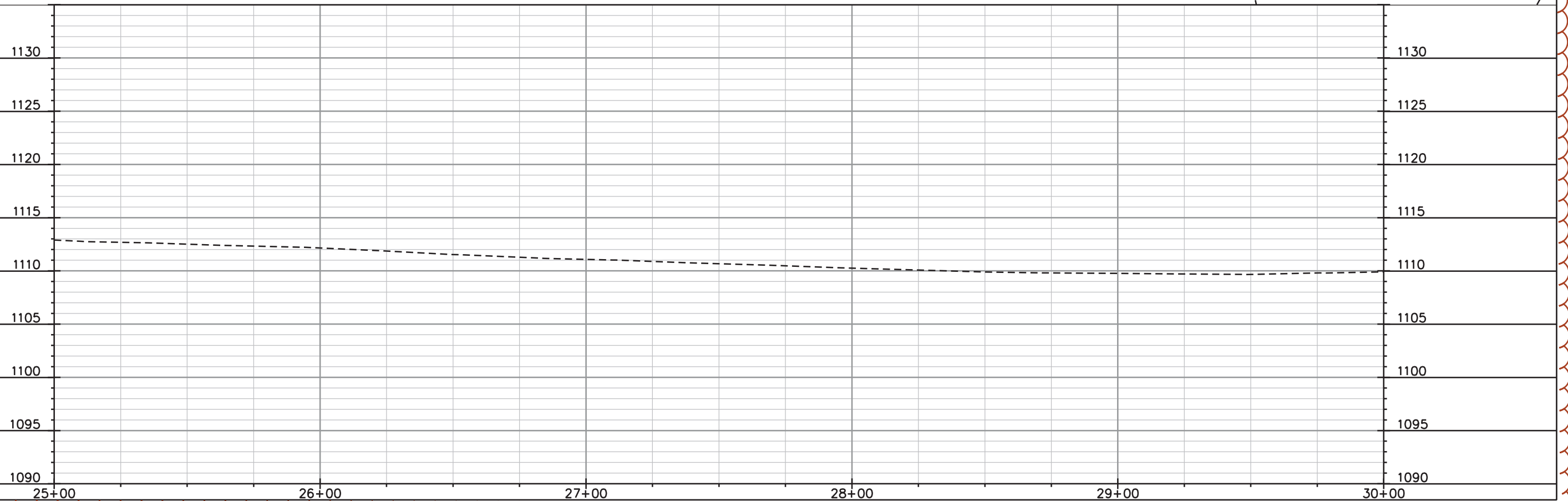
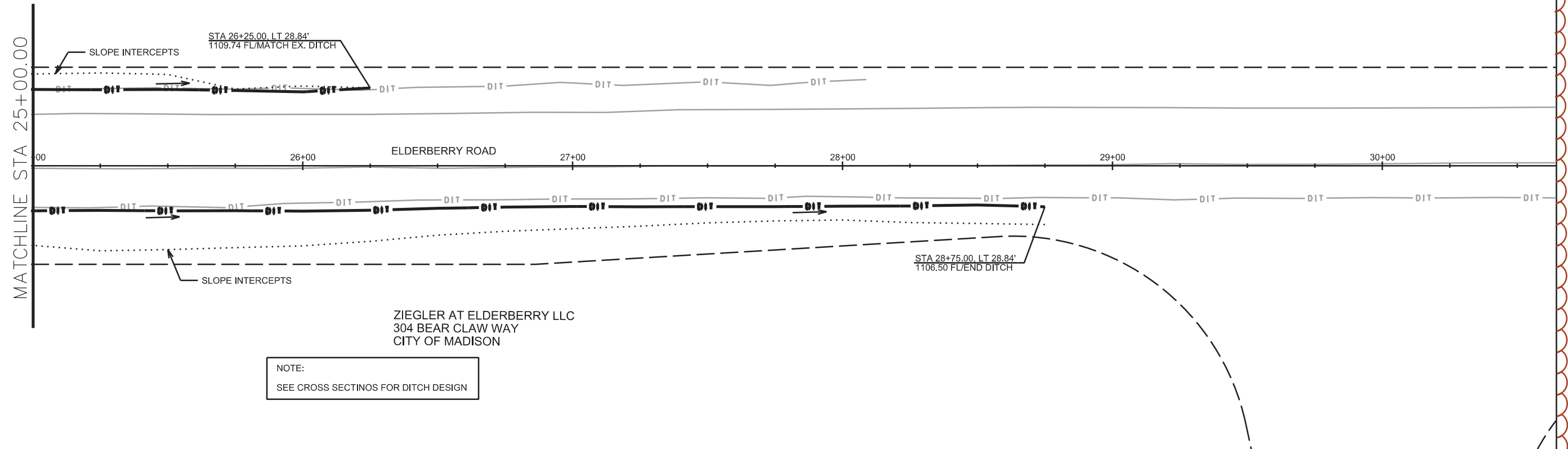
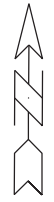
PLAN AND PROFILE

ELDERBERRY ROAD CITY OF MADISON
REV. JPS 2015 11-04

RANDALL, THEIS
THEIS FAMILY FARM LLC
TOWN OF MIDDLETON

ZIEGLER AT ELDERBERRY LLC
304 BEAR CLAW WAY
CITY OF MADISON

NOTE:
SEE CROSS SECTIONS FOR DITCH DESIGN

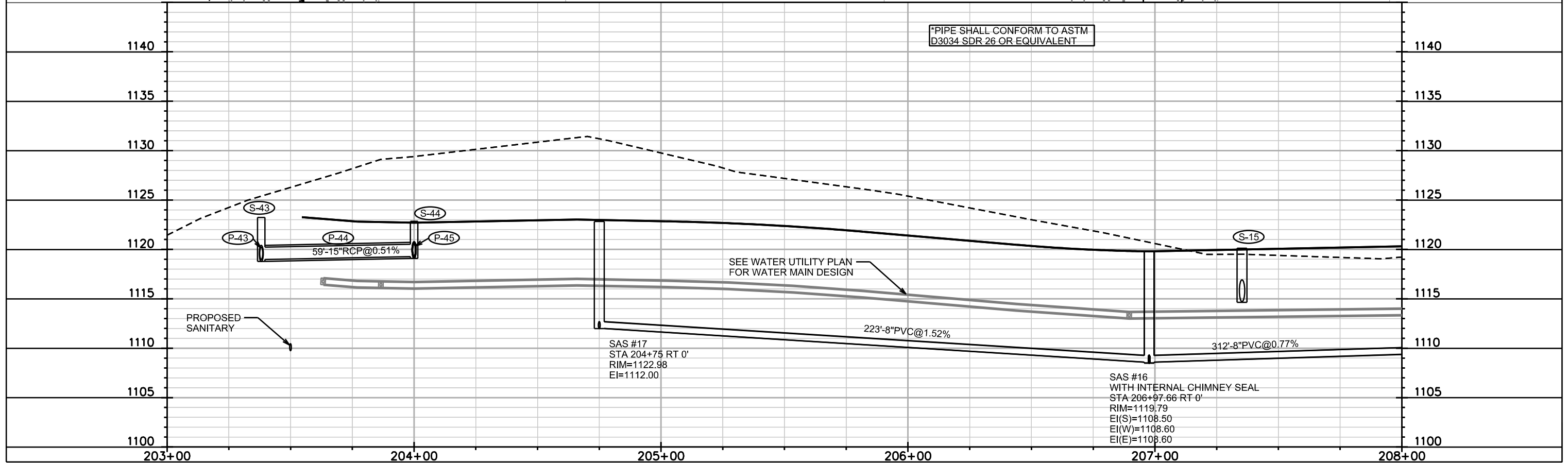
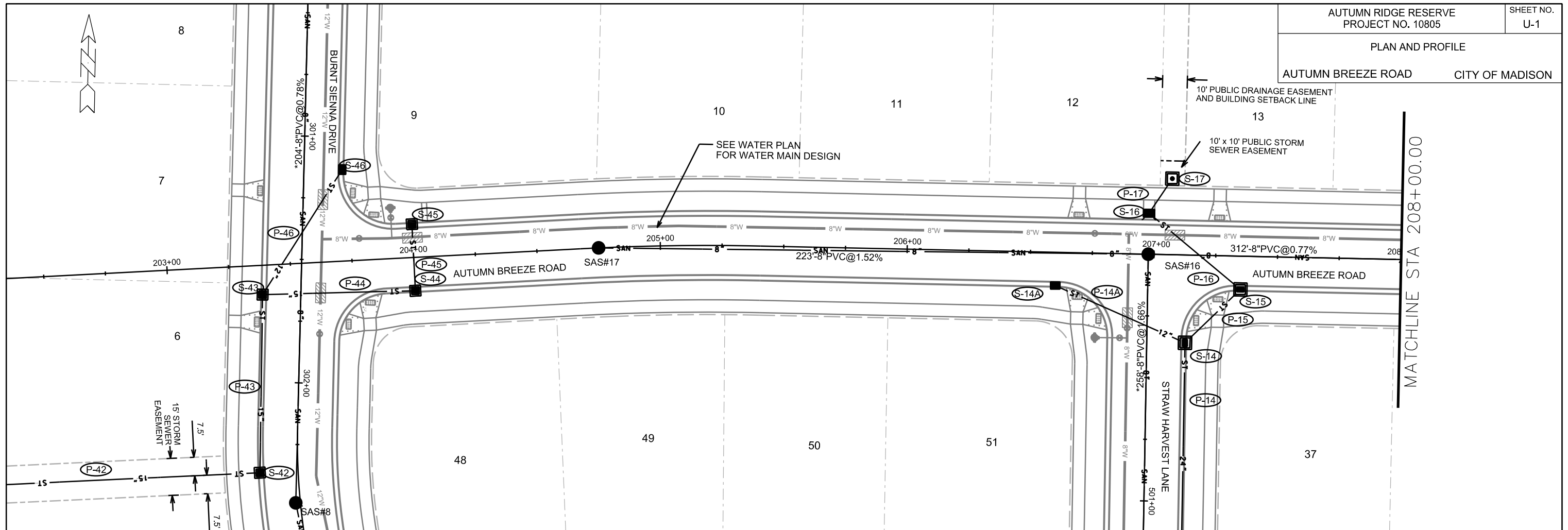


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



*PIPE SHALL CONFORM TO ASTM
D3034 SDR 26 OR EQUIVALENT

SEE WATER UTILITY PLAN
FOR WATER MAIN DESIGN

PROPOSED
SANITARY

PLOT SCALE: _____

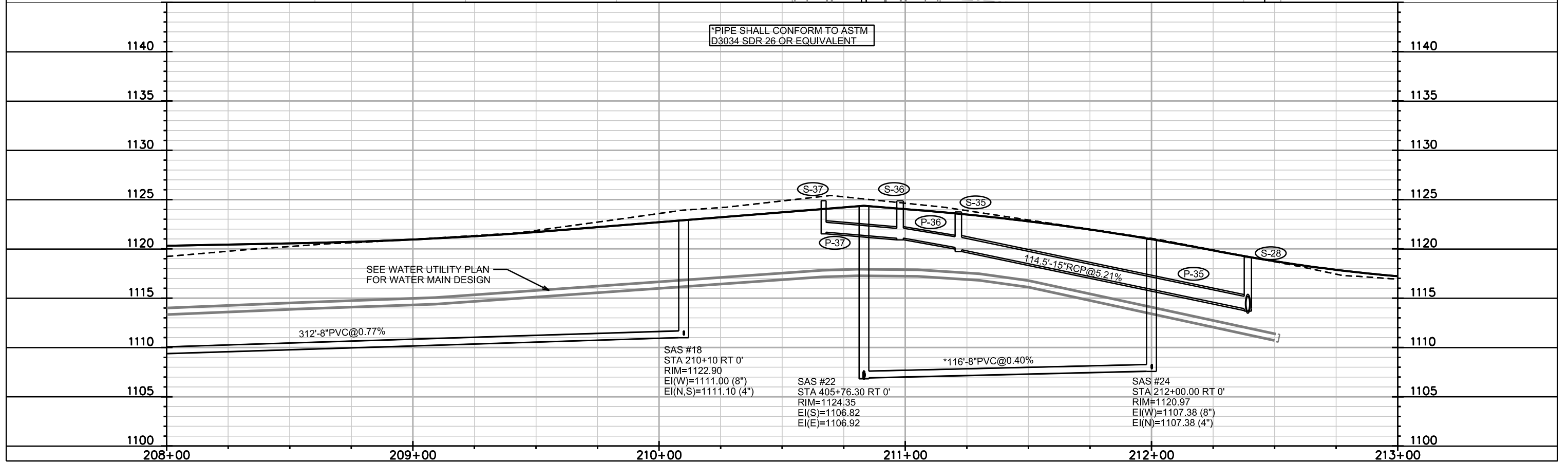
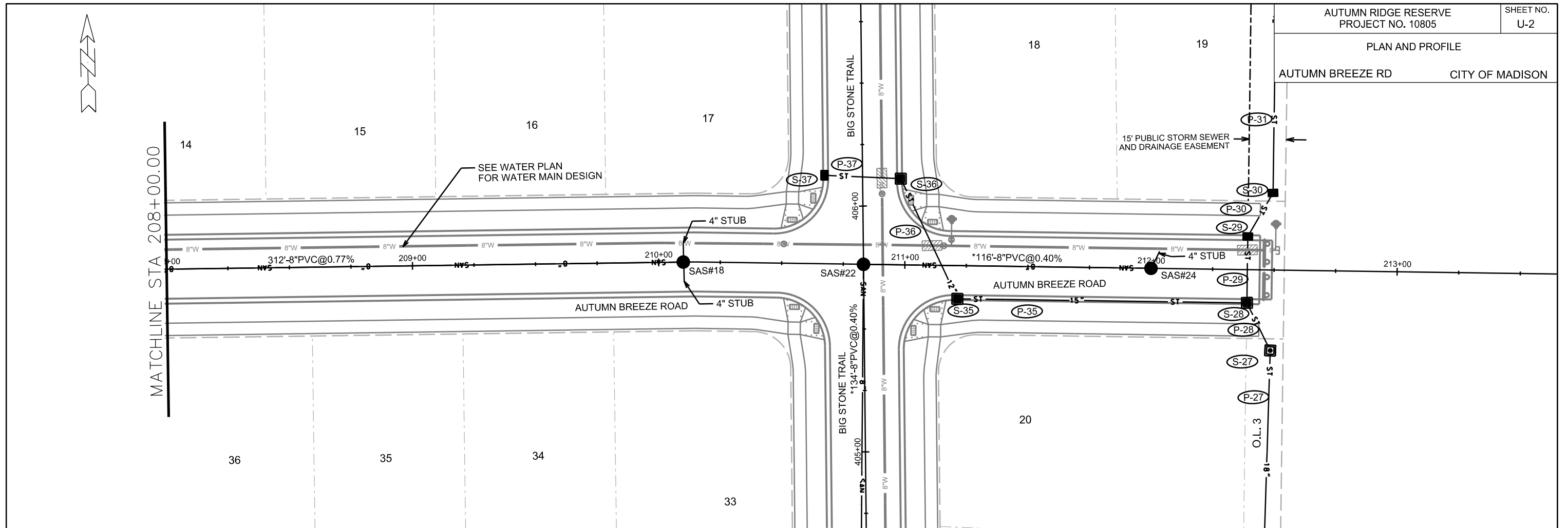
PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

AUTUMN BREEZE RD CITY OF MADISON



*PIPE SHALL CONFORM TO ASTM
D3034 SDR 26 OR EQUIVALENT

SEE WATER UTILITY PLAN
FOR WATER MAIN DESIGN

312'-8" PVC @ 0.77%

114.5'-15" RCP @ 5.21%

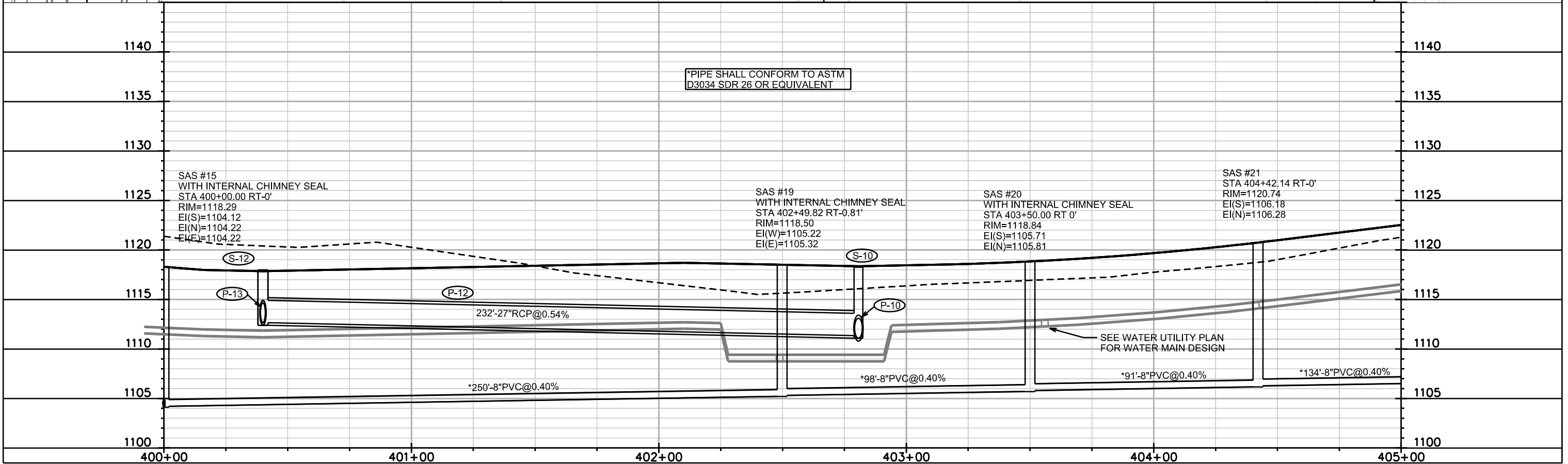
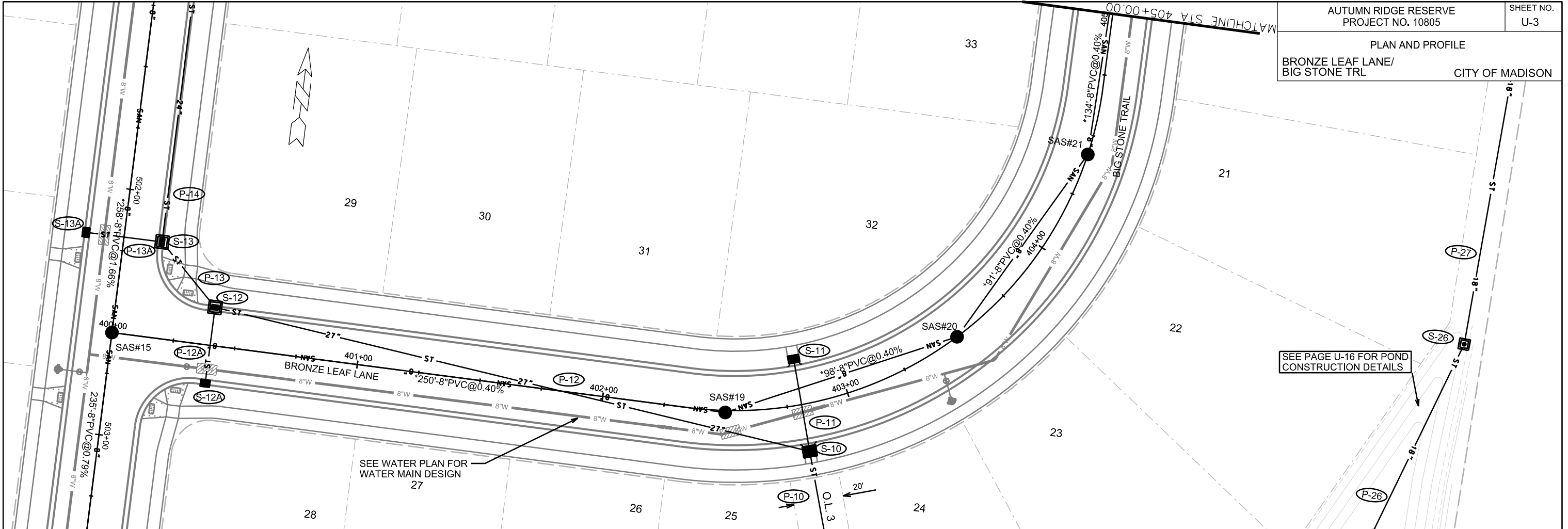
*116'-8" PVC @ 0.40%

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

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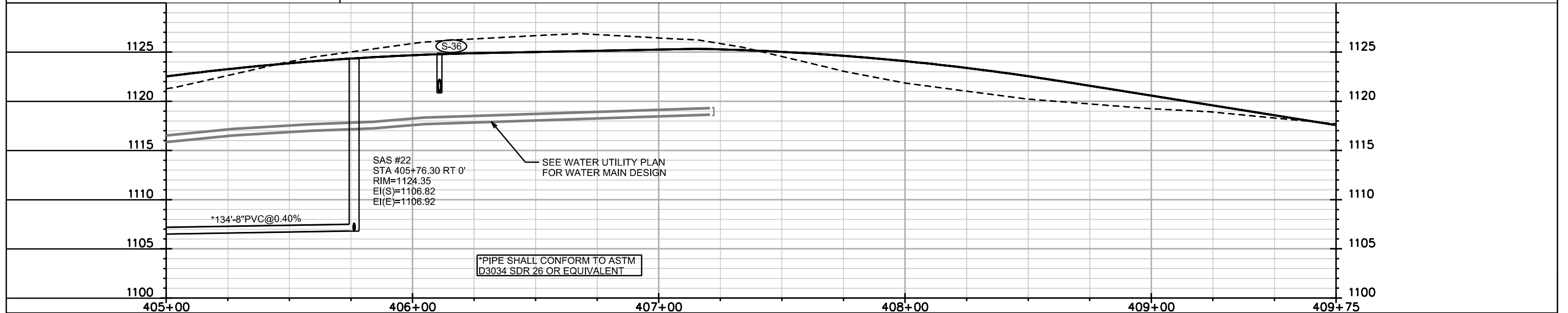
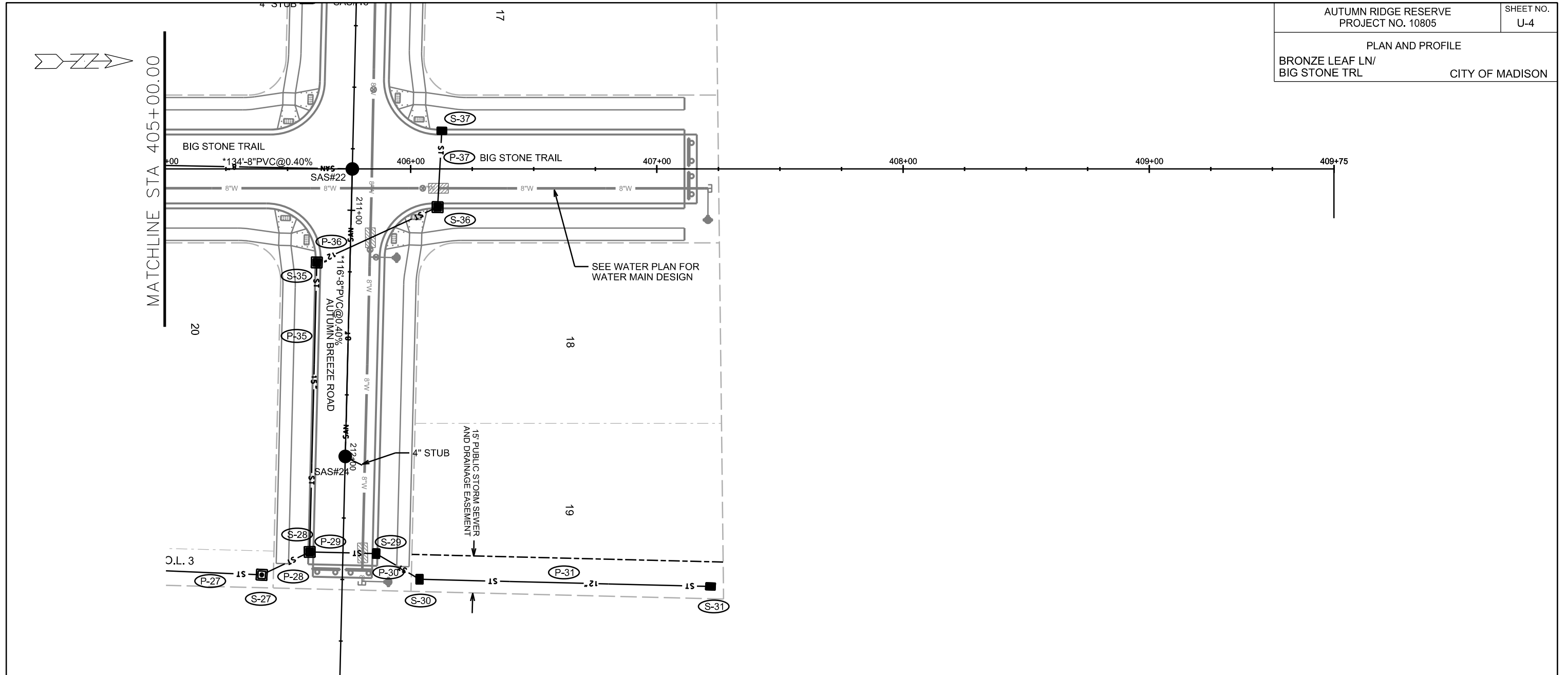


PLOT SCALE: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



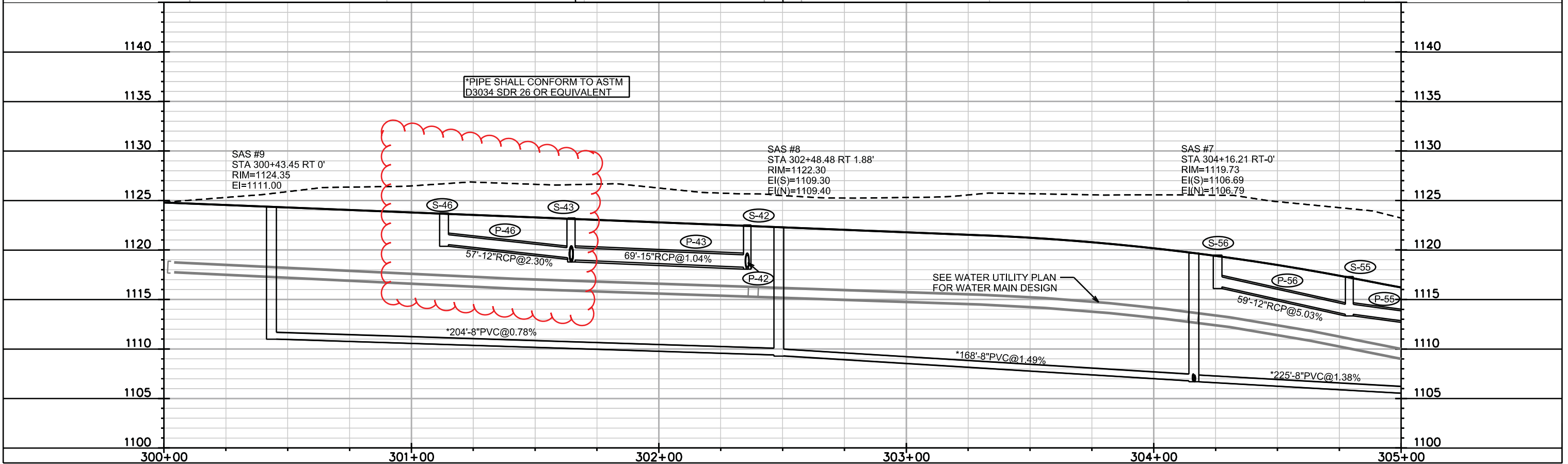
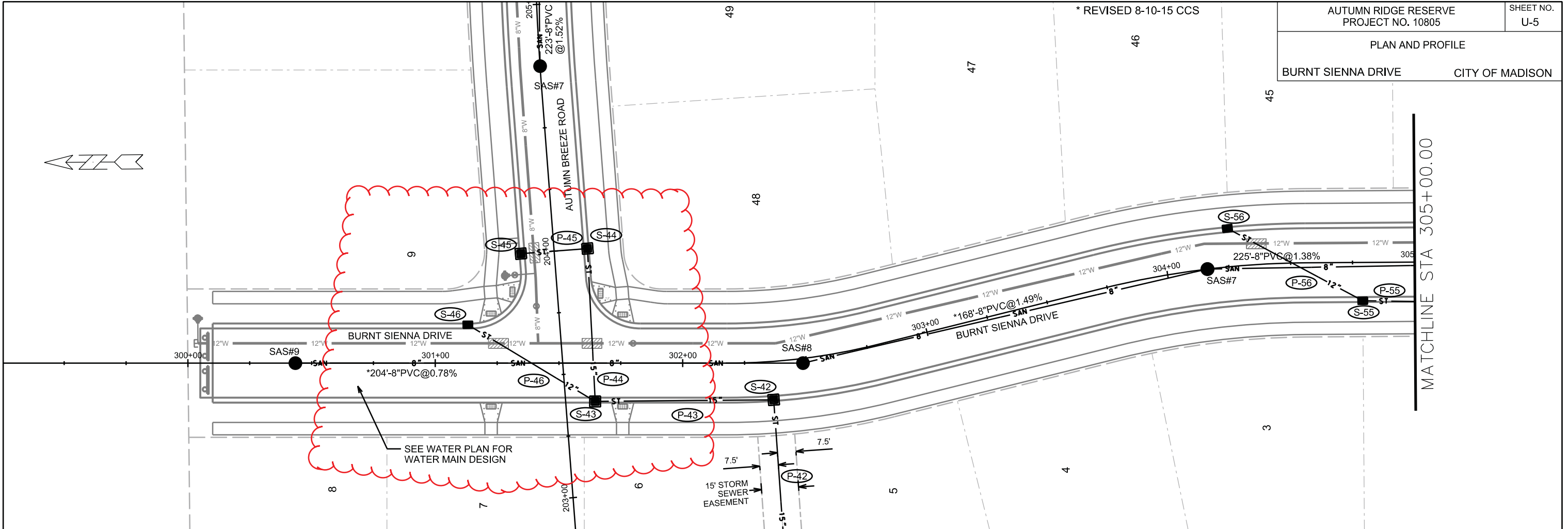
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

* REVISED 8-10-15 CCS

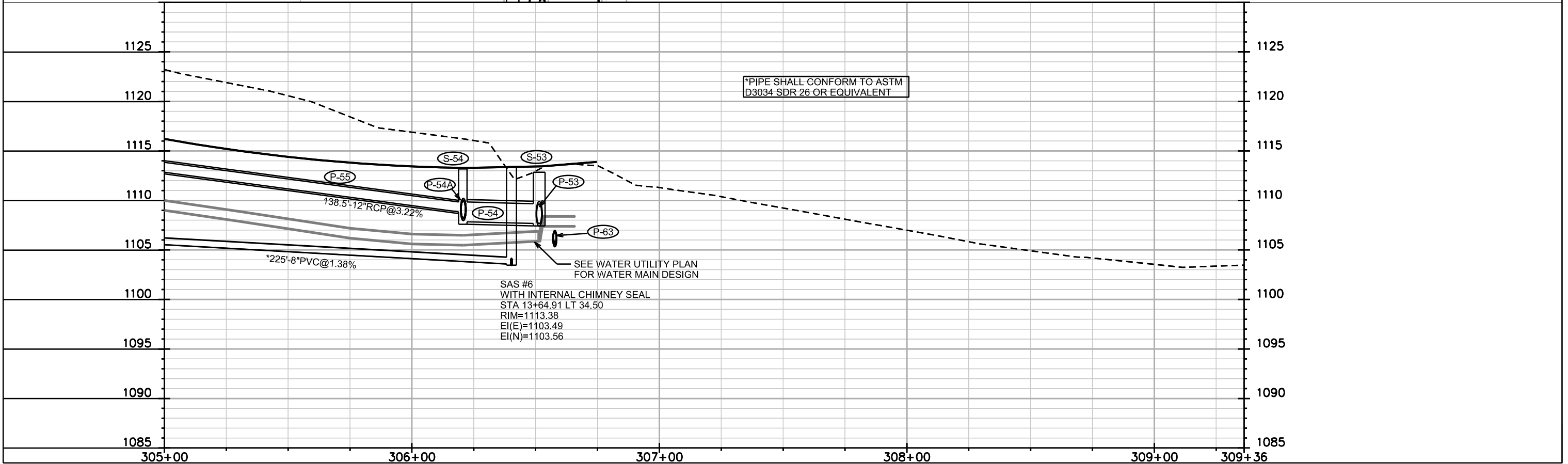
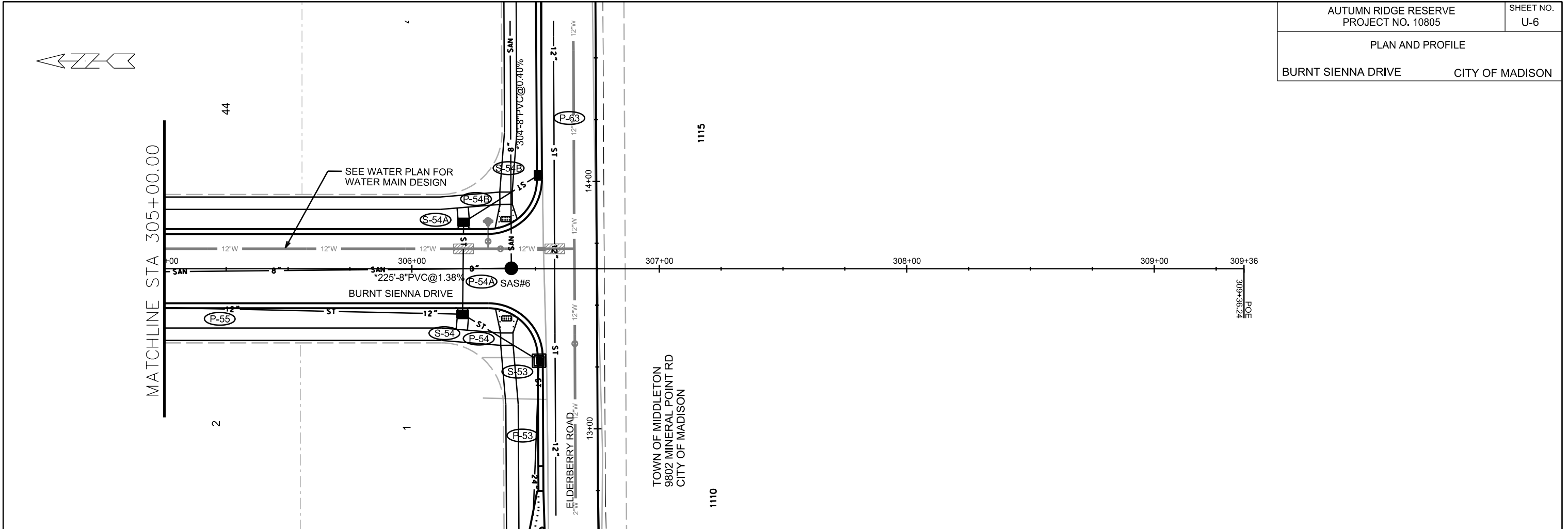


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

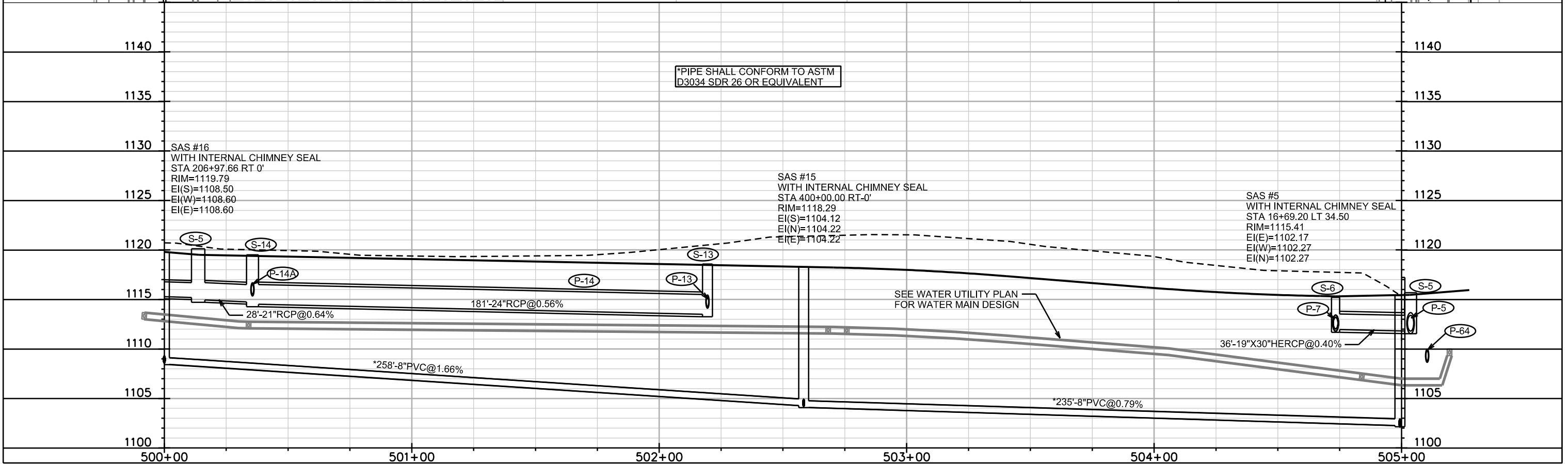
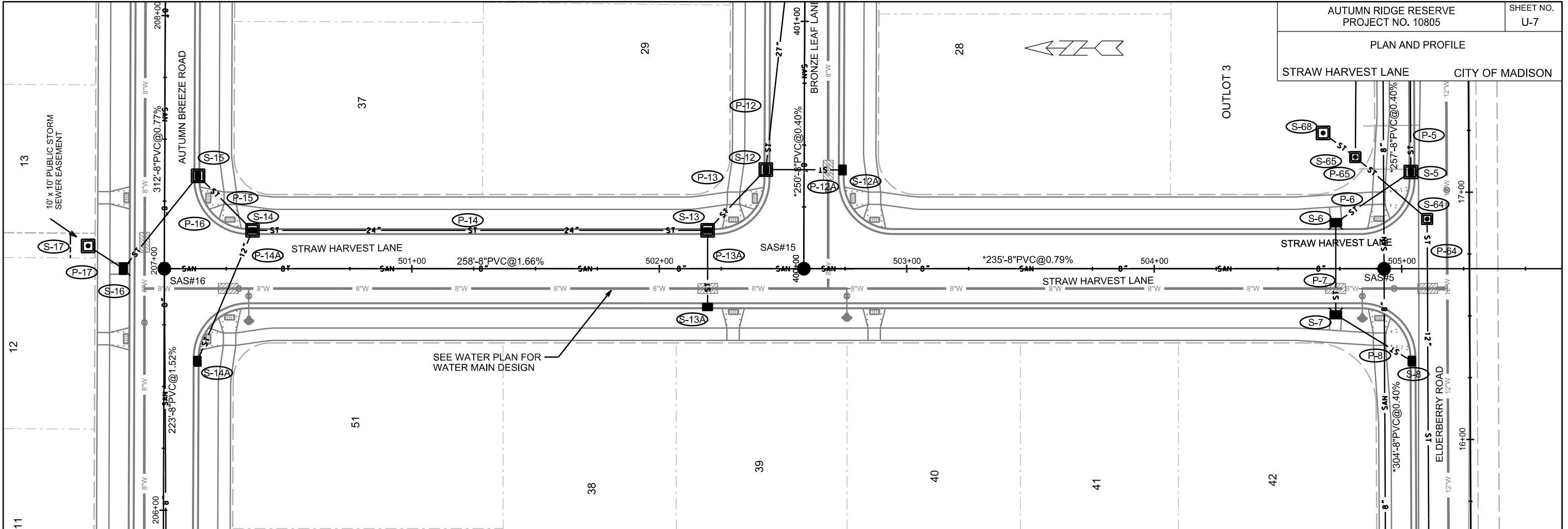
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

PLAN AND PROFILE

STRAW HARVEST LANE CITY OF MADISON



*PIPE SHALL CONFORM TO ASTM
D3034 SDR 26 OR EQUIVALENT

SAS #16
WITH INTERNAL CHIMNEY SEAL
STA 206+97.66 RT 0'
RIM=1119.79
EI(S)=1108.50
EI(W)=1108.60
EI(E)=1108.60

SAS #15
WITH INTERNAL CHIMNEY SEAL
STA 400+00.00 RT-0'
RIM=1118.29
EI(S)=1104.12
EI(N)=1104.22
EI(E)=1104.22

SAS #5
WITH INTERNAL CHIMNEY SEAL
STA 16+69.20 LT 34.50
RIM=1115.41
EI(E)=1102.17
EI(W)=1102.27
EI(N)=1102.27

SEE WATER UTILITY PLAN
FOR WATER MAIN DESIGN

SEE WATER PLAN FOR
WATER MAIN DESIGN

PLOT SCALE: _____

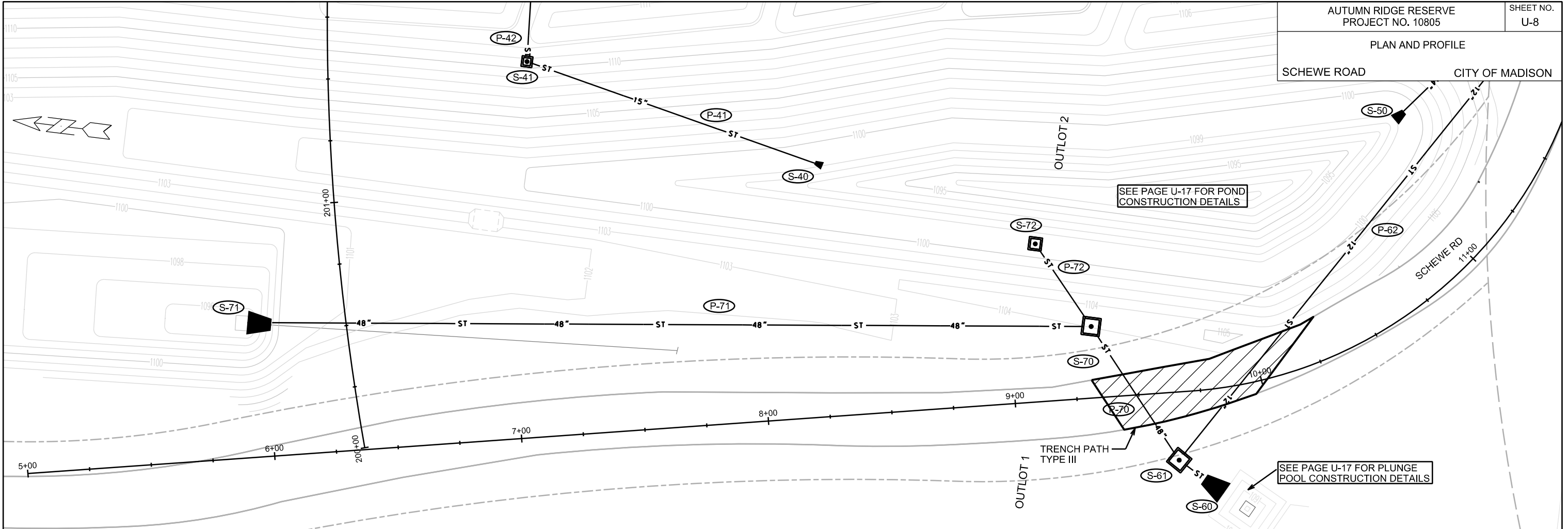
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

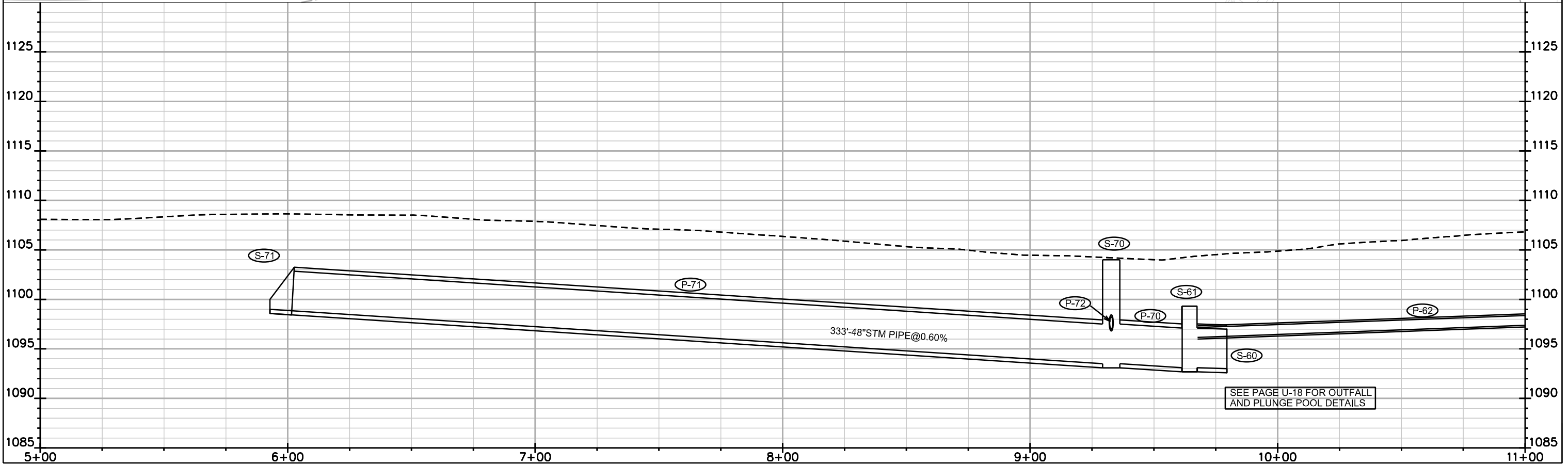
PLAN AND PROFILE

SCHEWE ROAD CITY OF MADISON



SEE PAGE U-17 FOR POND
CONSTRUCTION DETAILS

SEE PAGE U-17 FOR PLUNGE
POOL CONSTRUCTION DETAILS



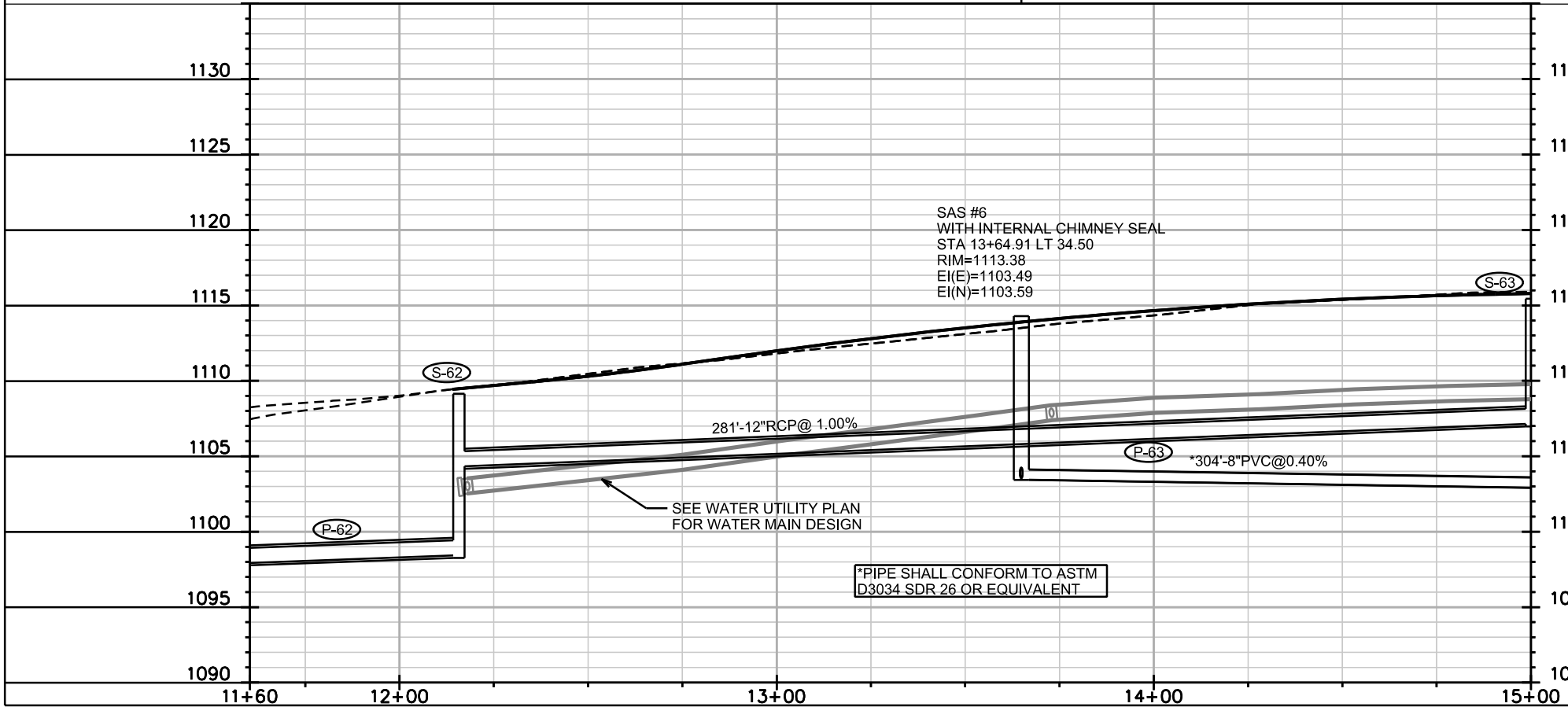
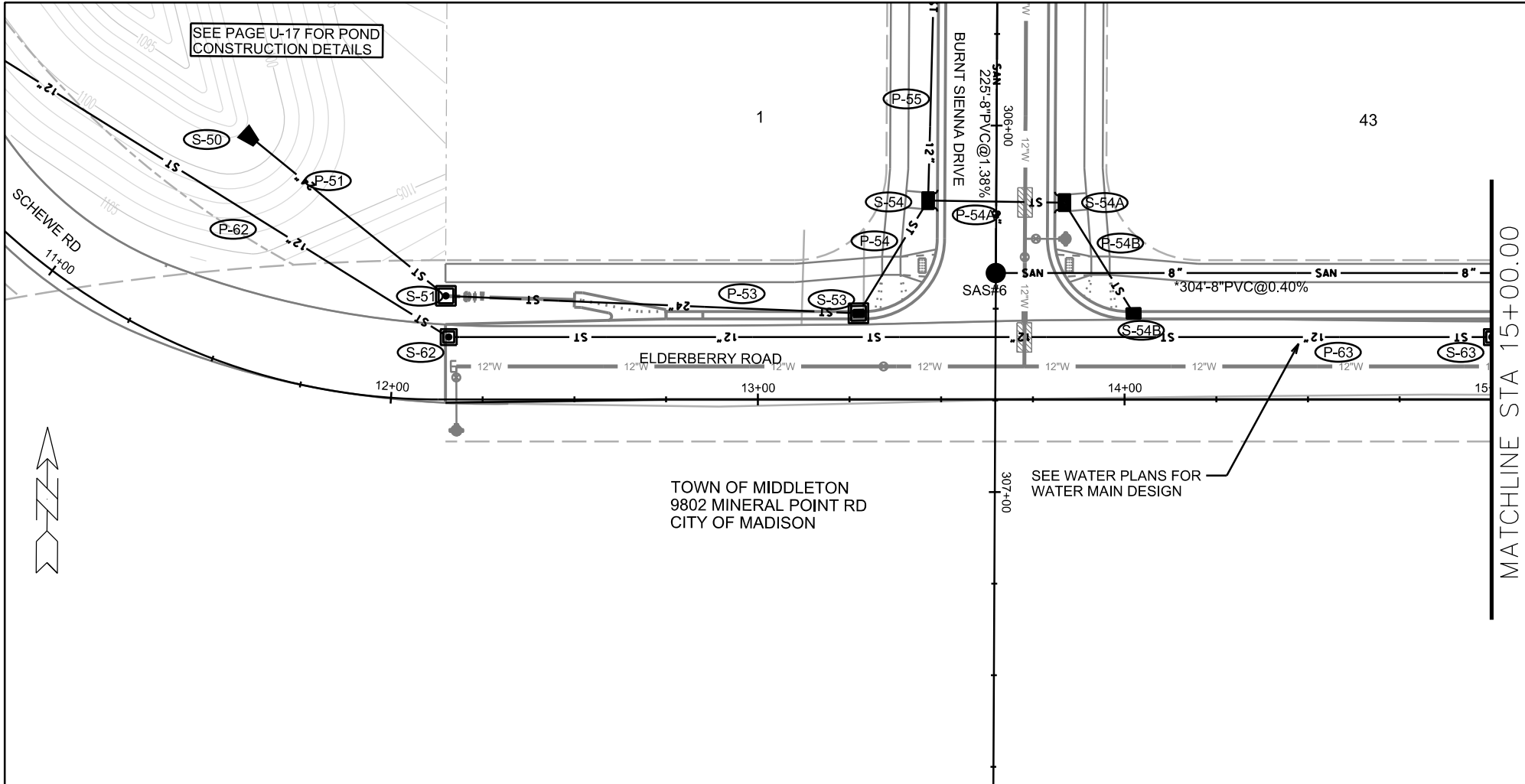
SEE PAGE U-18 FOR OUTFALL
AND PLUNGE POOL DETAILS

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

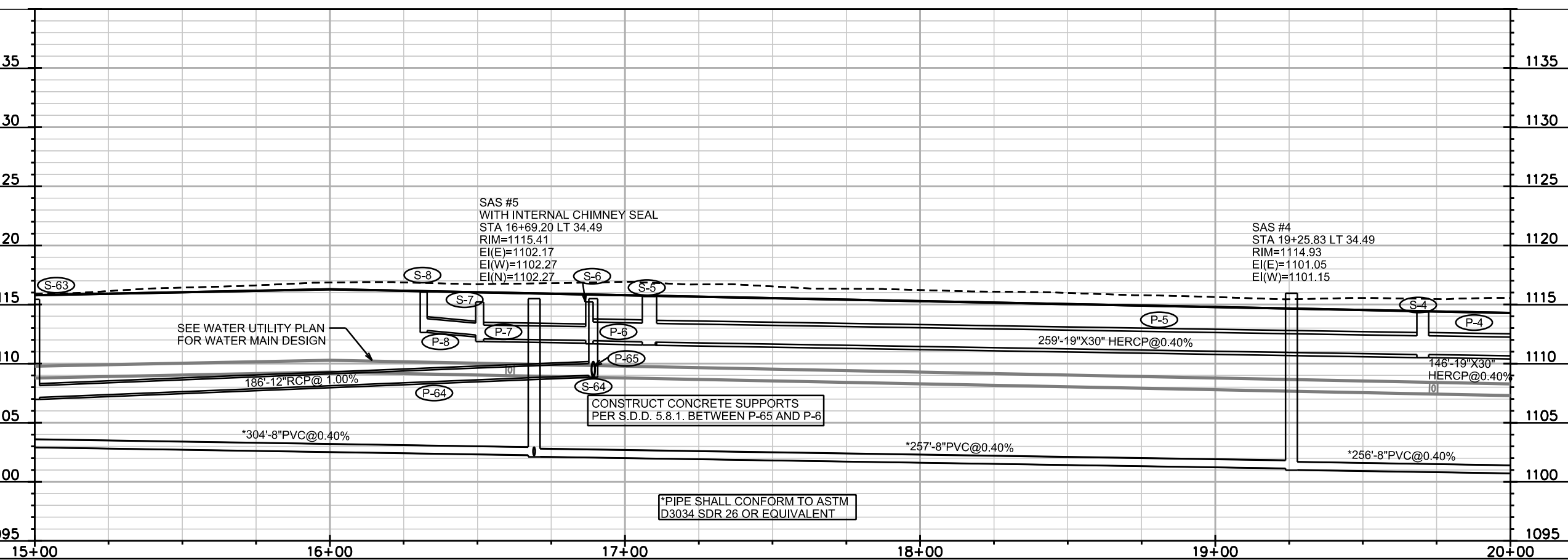
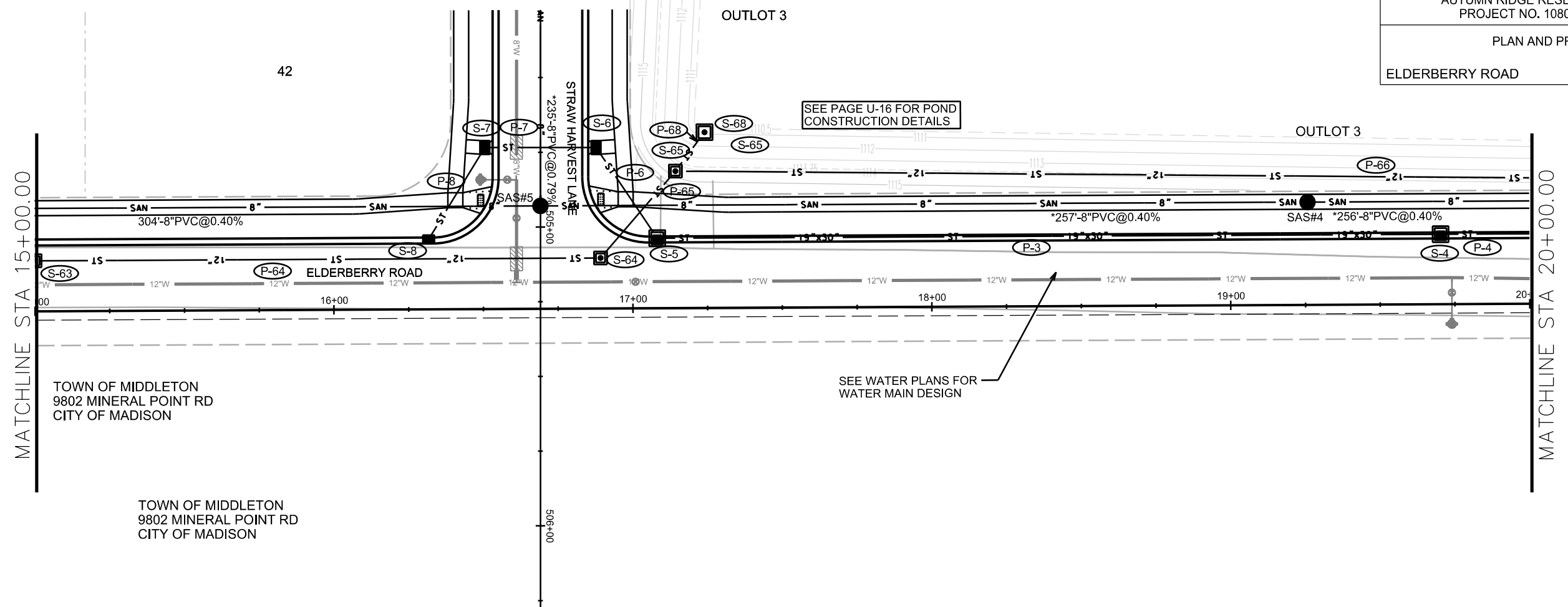


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

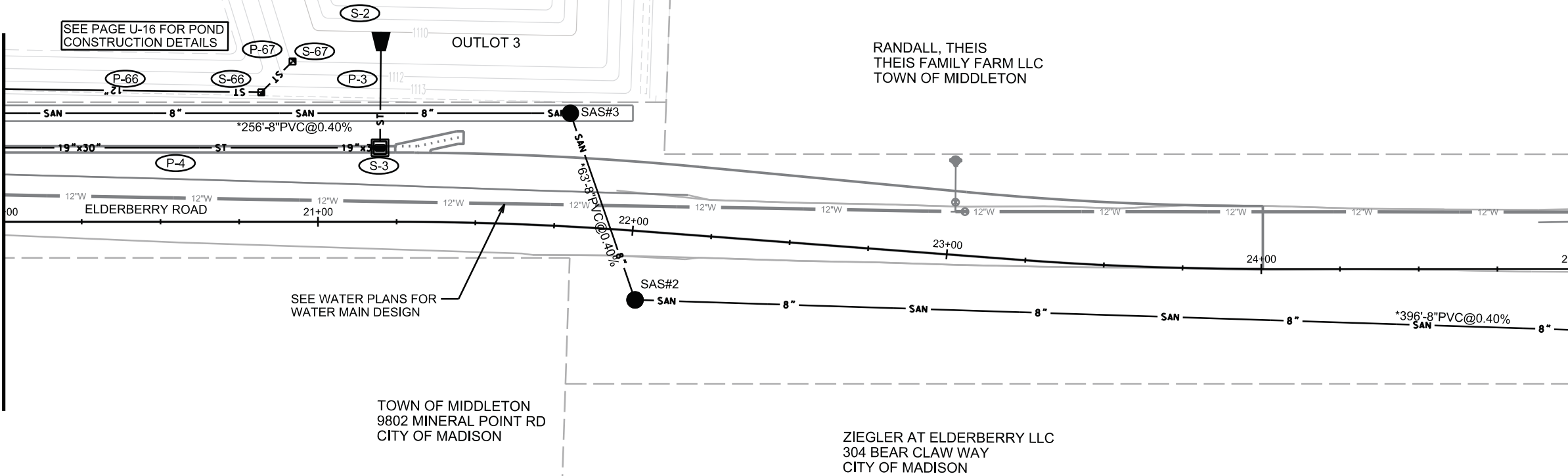
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

ELDERBERRY ROAD CITY OF MADISON
*REVISED 11-4-15 CCS



MATCHLINE STA 20+00.00



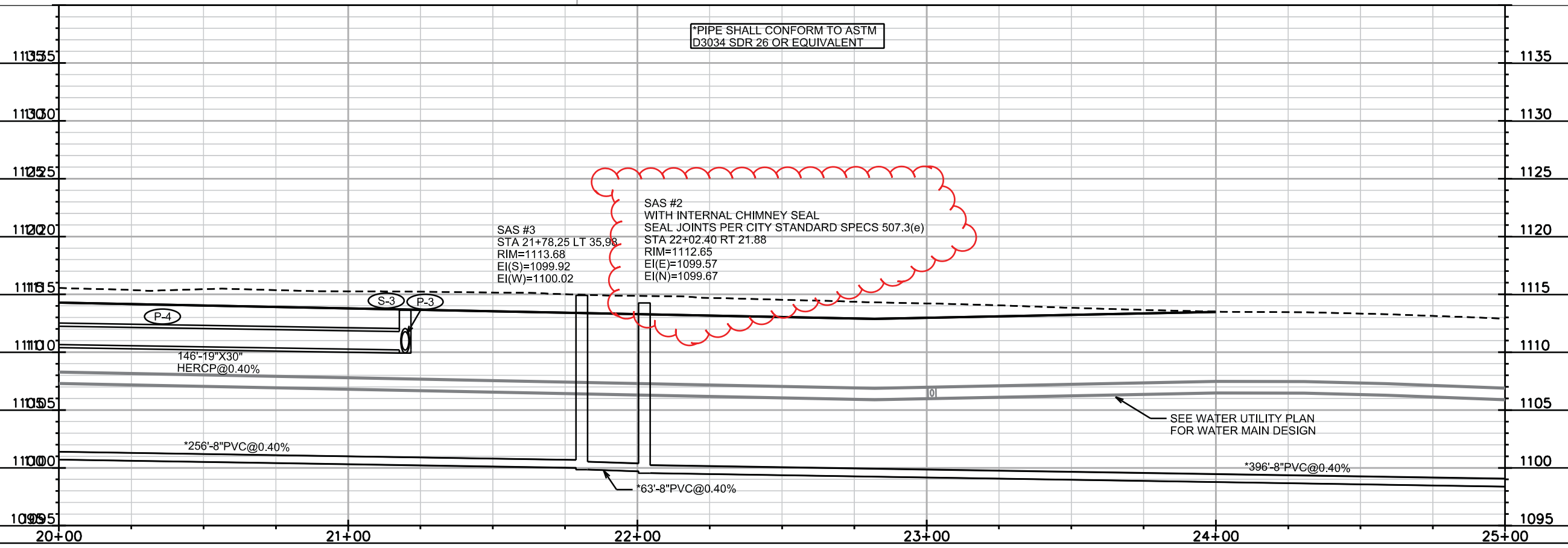
MATCHLINE STA 25+00.00

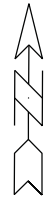
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

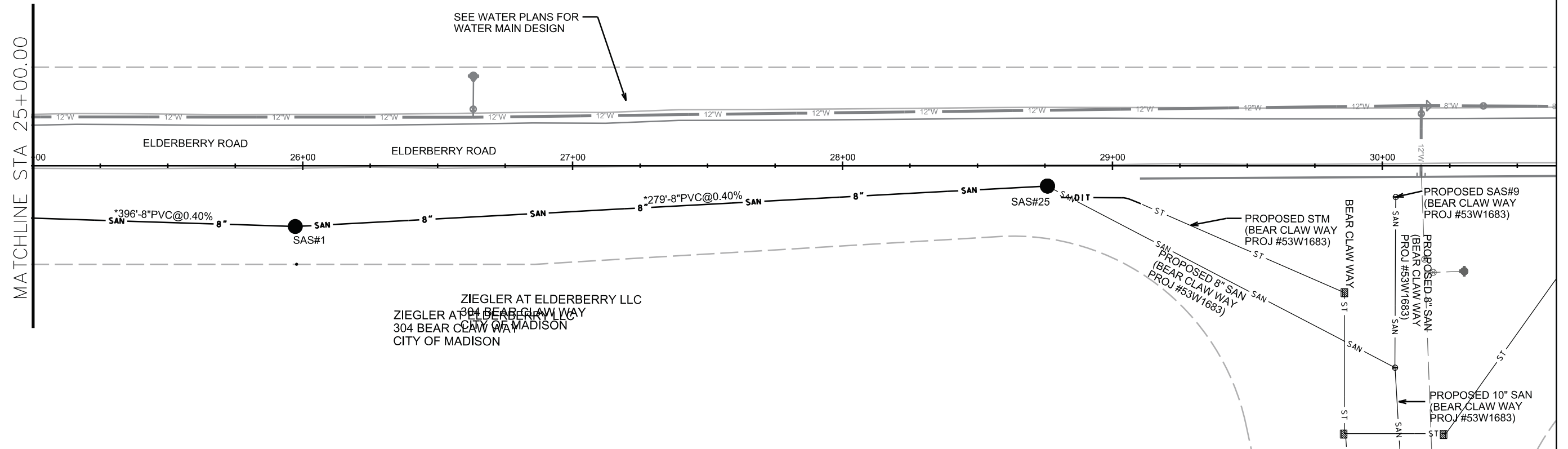
ORIGINATOR: CITY OF MADISON, STREETS DIVISION





RANDALL, THEIS
THEIS FAMILY FARM LLC
TOWN OF MIDDLETON

SEE WATER PLANS FOR
WATER MAIN DESIGN



ZIEGLER AT ELDERBERRY LLC
ZIEGLER AT ELDERBERRY LLC
304 BEAR CLAW WAY
CITY OF MADISON

PROPOSED SAS#9
(BEAR CLAW WAY
PROJ #53W1683)

PROPOSED STM
(BEAR CLAW WAY
PROJ #53W1683)

PROPOSED 8" SAN
(BEAR CLAW WAY
PROJ #53W1683)

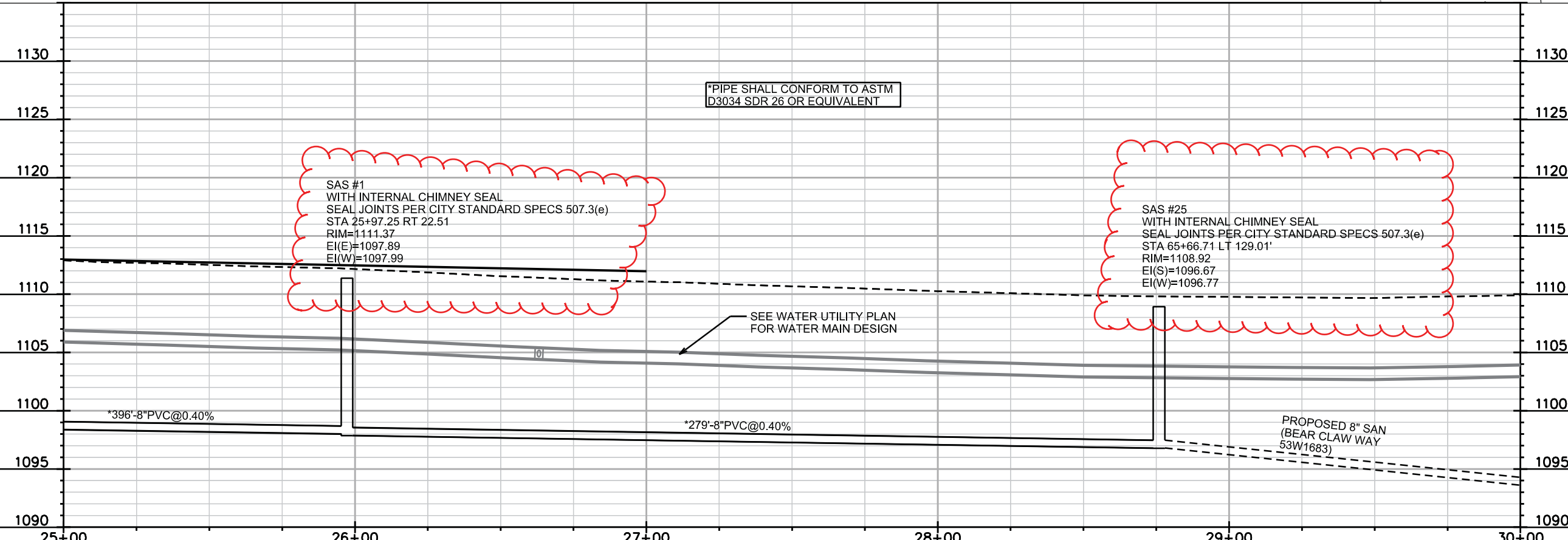
PROPOSED 10" SAN
(BEAR CLAW WAY
PROJ #53W1683)

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



*PIPE SHALL CONFORM TO ASTM
D3034 SDR 26 OR EQUIVALENT

SAS #1
WITH INTERNAL CHIMNEY SEAL
SEAL JOINTS PER CITY STANDARD SPECS 507.3(e)
STA 25+97.25 RT 22.51
RIM=1111.37
EI(E)=1097.89
EI(W)=1097.99

SAS #25
WITH INTERNAL CHIMNEY SEAL
SEAL JOINTS PER CITY STANDARD SPECS 507.3(e)
STA 65+66.71 LT 129.01'
RIM=1108.92
EI(S)=1096.67
EI(W)=1096.77

SEE WATER UTILITY PLAN
FOR WATER MAIN DESIGN

SANITARY SEWER SCHEDULE

SANITARY SEWER SCHEDULE CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
BEAR CLAW ST						
* SAS #25	65+66.71	LT-129.01	1108.92	1096.67	12.25	W/INTERNAL CHIMNEY SEAL; SEAL JOINTS
ELDERBERRY RD						
* SAS #1	25+97.25	RT-22.51	1111.37	1097.89	13.48	W/INTERNAL CHIMNEY SEAL; SEAL JOINTS
* SAS #2	22+02.40	RT-21.88	1112.65	1099.57	13.08	W/INTERNAL CHIMNEY SEAL; SEAL JOINTS
SAS #3	21+78.25	LT-35.98	1113.68	1099.92	13.76	
SAS #4	19+25.83	LT-34.49	1114.93	1101.05	13.88	
SAS #5	16+69.20	LT-34.50	1115.41	1102.17	13.24	W/INTERNAL CHIMNEY SEAL
SAS #6	13+64.91	LT-34.50	1113.38	1103.49	9.89	W/INTERNAL CHIMNEY SEAL
BURNT SIENNA DRIVE						
SAS #7	304+16.21	RT-0	1119.73	1106.69	13.04	
SAS #8	302+48.48	RT-1.88	1122.30	1109.30	13.00	
SAS #9	300+43.45	RT-0	1124.35	1111.00	13.35	
AUTUMN BREEZE RD						
SAS #16	206+97.66	RT-0	1119.79	1108.50	11.29	W/INTERNAL CHIMNEY SEAL
SAS #17	204+75.00	RT-0	1122.98	1112.00	10.98	
SAS #18	210+10.00	RT-0	1122.90	1111.00	11.90	
SAS #24	212+00.00	RT-0	1120.97	1107.38	13.59	
BRONZE LEAF/BIG STONES						
SAS #15	400+00.00	RT-0	1118.29	1104.12	14.17	W/INTERNAL CHIMNEY SEAL
SAS #19	402+49.82	RT-.81	1118.50	1105.22	13.28	W/INTERNAL CHIMNEY SEAL
SAS #20	403+50.00	RT-0	1118.84	1105.71	13.13	W/INTERNAL CHIMNEY SEAL
SAS #21	404+42.14	RT-0	1120.74	1106.18	14.57	
SAS #22	405+76.30	RT-0	1124.35	1106.82	17.53	

PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
SAS #25	SAS #1	279	1096.77	1097.89	0.40%	8"	PVC SDR 26	CONNECT TO EX STUB
SAS #1	SAS #2	396	1097.99	1099.57	0.40%	8"	PVC SDR 26	
SAS #2	SAS #3	63	1099.67	1099.92	0.40%	8"	PVC SDR 26	
SAS #3	SAS #4	256	1100.02	1101.05	0.40%	8"	PVC SDR 26	
SAS #4	SAS #5	257	1101.15	1102.17	0.40%	8"	PVC SDR 26	
SAS #5	SAS #6	304	1102.27	1103.49	0.40%	8"	PVC SDR 26	
SAS #6	SAS #7	225	1103.59	1106.69	1.38%	8"	PVC SDR 26	
SAS #7	SAS #8	168	1106.79	1109.30	1.49%	8"	PVC SDR 26	
SAS #8	SAS #9	204	1109.40	1111.00	0.78%	8"	PVC SDR 26	
SAS #5	SAS #15	235	1102.27	1104.12	0.79%	8"	PVC SDR 26	
SAS #15	SAS #16	258	1104.22	1108.50	1.66%	8"	PVC SDR 26	
SAS #16	SAS #17	223	1108.60	1112.00	1.52%	8"	PVC SDR 35	
SAS #16	SAS #18	312	1108.60	1111.00	0.77%	8"	PVC SDR 35	
SAS #15	SAS #19	250	1104.22	1105.22	0.40%	8"	PVC SDR 26	
SAS #19	SAS #20	98	1105.32	1105.71	0.40%	8"	PVC SDR 26	
SAS #20	SAS #21	91	1105.81	1106.18	0.40%	8"	PVC SDR 26	
SAS #21	SAS #22	134	1106.28	1106.82	0.40%	8"	PVC SDR 26	
SAS #22	SAS #24	116	1106.92	1107.38	0.40%	8"	PVC SDR 26	

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

ORIGINATOR: CITY OF MADISON STREETS DIVISION

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
ELDERBERRY RD/SCHWE RD							
S-0	20+79.33	LT-133.16	AE	---	1109.75	---	W/GATE
S-1	19+95.66	LT-127.79	5X5 SAS	1114.00	1110.21	3.79	W/1550-0054
S-1A	20+44.32	LT-148.41	5X5 SAS	1114.00	1109.94	4.06	W/3067-7004-V
S-2	21+20.30	LT-60.33	19"X30" HERCP AE	---	1110.00	---	W/GATE
S-3	21+19.71	LT-23.53	4X4 SAS	1113.63	1110.19	3.45	FP;W/3067-7004-V
S-4	19+70.28	LT-23.52	4X4 SAS	1114.37	1110.77	3.60	FP; W/3067-7004-V
S-5	17+08.27	LT-23.50	4X4 SAS	1115.68	1111.81	3.87	FP;W/3067-7004-V
** S-12A	400+40.00	RT-15.50	H INLET	1117.95	1114.75	3.20	W/3067-7004-V
S-50	11+28.50	LT-60.20	24" RCP AE	---	1099.00	---	W/GATE
S-51	12+14.97	LT-28.25	4X4 SAS	1107.68	1102.80	4.88	W/R-4349-D
S-53	13+27.45	LT-23.50	4X4 SAS	1112.85	1107.66	5.19	W/3067-7004-V
S-54B	14+02.45	LT-23.50	H INLET	1114.61	1111.41	3.20	W/3067-7004-V
STRAW HARVET LN							
S-6	504+73.36	LT-19.00	TERRACE INL TYPE 3	1115.21	1111.95	3.26	LP; SEE S.D.D. 5.7.12B; (1)
S-7	504+73.36	RT-19.00	TERRACE INL TYPE 3	1115.21	1112.10	3.11	LP; SEE S.D.D. 5.7.12B; (1)
S-8	505+04.05	RT-37.40	H INLET	1116.05	1112.85	3.20	FP; W/3067-7004-V
S-13	502+19.51	LT-15.50	4X4 SAS	1118.57	1113.25	5.32	W/3067-7004-V
S-13A	502+19.51	RT-15.50	H INLET	1118.57	1115.37	3.20	W/3067-7004-V
S-14	500+35.63	LT-15.50	4X4 SAS	1119.51	1114.51	5.00	W/3067-7004-V
S-15	500+13.64	LT-37.57	4X4 SAS	1120.11	1114.94	5.17	FP; W/3067-7004-V
BROZE LEAF LN/ BIG STONE DR							
S-10	402+81.01	RT-19.75	TERRACE INL TYPE 2	1118.25	1111.10	7.15	FP; LP; SEE S.D.D. 5.7.12B (1)
S-11	402+81.01	LT-19.00	TERRACE INL TYPE 3	1118.25	1111.25	7.00	FP; LP; SEE S.D.D. 5.7.12B;(1)
** S-12	400+40.00	LT-15.50	4X4 SAS	1117.97	1112.66	5.31	LP; W/3067-7004-VB; (1)
S-25	403+71.22	RT-187.75	18" RCP AE	---	1109.50	---	W/GATE
S-26	404+30.10	RT-169.55	3X3 SAS	1115.00	1111.00	4.00	W/R-1550-0054
S-35	405+61.87	RT-38.00	3X3 SAS	1123.74	1119.90	3.84	W/3067-7004-V
S-36	406+10.96	RT-15.50	3X3 SAS	1124.87	1121.07	3.80	W/3067-7004-V
S-37	406+12.67	LT-15.50	H INLET	1124.88	1121.68	3.20	W/3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1A	S-1	1109.94	1110.21	53	49.0	0.55%	24"X38"	HERCP	
P-1A	S-0	S-1A	1109.75	1109.94	38	34.0	0.56%	24"X38"	HERCP	
P-3	S-2	S-3	1110.00	1110.19	40	37.0	0.50%	19"X30"	HERCP	
P-4	S-3	S-4	1110.19	1110.77	149	146.0	0.40%	19"X30"	HERCP	
P-5	S-4	S-5	1110.77	1111.81	262	259.0	0.40%	19"X30"	HERCP	
P-6	S-5	S-6	1111.81	1111.95	39	36.0	0.40%	19"X30"	RCP	
P-7	S-6	S-7	1111.95	1112.10	32	29.0	0.50%	14"X23"	HERCP	
P-8	S-7	S-8	1112.35	1112.85	38	35.0	1.43%	12"	RCP	
P-10	S-1	S-10	1110.21	1111.10	138.0	135.0	0.66%	24"X38"	HERCP	
P-11	S-10	S-11	1111.10	1111.25	31.0	28.0	0.54%	21"	RCP	
P-12	S-10	S-12	1111.35	1112.66	247.0	244.0	0.54%	27"	RCP	
* P-12A	S-12	S-12A	1113.91	1114.75	31.0	28.0	3.00%	12"	RCP	
* P-13	S-12	S-13	1112.91	1113.25	34.0	31.0	1.10%	24"	RCP	
P-13A	S-13	S-13A	1113.25	1115.37	31.0	28.0	7.57%	12"	RCP	
P-14	S-13	S-14	1113.50	1114.51	184.0	181.0	0.56%	24"	RCP	
P-14A	S-14	S-14A	1115.51	1117.08	57.5	54.5	2.88%	12"	RCP	
P-15	S-14	S-15	1114.76	1114.94	31.0	28.0	0.64%	21"	RCP	
P-26	S-25	S-26	1109.50	1111.00	129.0	126.0	1.19%	18"	RCP	
P-36	S-35	S-36	1120.15	1121.07	54.0	51.0	1.80%	12"	RCP	
P-37	S-36	S-37	1121.07	1121.68	31.0	28.0	2.18%	12"	RCP	
P-63	S-62	S-63	1104.33	1107.14	284.0	281.0	1.00%	12"	RCP	
P-64	S-63	S-64	1107.14	1109.00	189.0	186.0	1.00%	12"	RCP	
P-65	S-64	S-65	1109.00	1109.90	38.0	35.0	2.57%	12"	RCP	
P-66	S-65	S-66	1109.90	1110.90	367.0	364.0	0.27%	12"	STM PIPE	TEMPORARY PIPE
P-67	S-66	S-67	1110.90	1111.00	17.0	15.5	0.65%	12"	STM PIPE	TEMPORARY PIPE
P-68	S-65	S-68	1109.90	1110.00	16.0	13.0	0.77%	12"	STM PIPE	
P-51	S-50	S-51	1099.00	1102.80	71	68.0	5.59%	24"	RCP	
P-53	S-51	S-53	1104.30	1107.66	112.5	109.5	3.07%	24"	RCP	NCM
P-54	S-53	S-54	1107.66	1107.84	38	35.0	0.51%	24"	RCP	
P-61	S-60	S-61	1093.00	1093.10	21.0	18.0	0.56%	48"	STM PIPE	
P-62	S-61	S-62	1096.10	1098.46	239.0	236.0	1.00%	12"	RCP	
P-70	S-61	S-70	1093.10	1093.50	64.0	61.0	0.66%	48"	STM PIPE	
P-71	S-70	S-71	1093.50	1095.50	336.0	333.0	0.60%	48"	STM PIPE	
P-72	S-70	S-72	1097.00	1099.00	40.0	37.0	5.41%	15"	STM PIPE	

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; N/A = 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 PRE CAST STRUCTURES ARE PREFERRED. CONTACT COREY STELLJES OF CITY ENGINEERING AT CSTEJES@CITYOFMADISON.COM.
 PLAN LENGTH IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL PIPE LENGTH FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

SPECIFIC NOTES

(1) AT ALL LOW POINTS- STRUCTURE SHALL HAVE 2" PVC PIPE INSTALLED FROM AND THROUGH FRONT WALL. INSTALL 90 DEG BEND TO PAVEMENT BINDER SURFACE SUCH THAT CENTER OF PIPE IN 5" FROM EDGE OF GUTTER. UPON FINAL PAVING CONTRACTOR SHALL SAW CUT 2'X2' PAVEMENT OPENING, REMOVE ALL PVC PIPE, PATCH INLET, AND PATCH BINDER

STORM SEWER SCHEDULE

AUTUMN RIDGE RESERVE PROJECT NO. 10805	SHEET NO. U-15
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
AUTUMN BREEZE RD							
S-14A	206+60.28	RT-13.50	H INLET	1120.28	1117.08	3.20	W/3067-7004-V
S-16	206+97.66	LT-17.00	TERRACE INL TYPE 3	1119.73	1115.41	4.32	LP; W/3067-7004-VB; (1)
S-17	207+06.76	LT-31.00	4X4 SAS	1120.00	1116.75	3.25	W/R-4349-D
S-45	204+00.00	LT-13.50	3X3 SAS	1122.84	1119.39	3.45	LP; 3067-7004-VB; (1)
S-46	204+00.00	RT-13.50	H INLET	1123.73	1120.53	3.20	W/3067-7004-V
S-27	212+48.88	RT-32.74	3X3 SAS	1119.50	1113.58	5.92	W/R-1550-0054
S-28	212+39.12	RT-13.50	3X3 SAS	1119.17	1113.68	5.49	W/3067-7004-V
S-29	212+39.12	LT-13.50	H INLET	1119.17	1114.30	4.87	W/3067-7004-V
S-30	212+49.13	LT-31.35	H INLET	1119.50	1114.40	5.10	W/1878-B7L
S-31	212+49.12	LT-149.82	H INLET	1118.00	1115.00	3.00	W/1878-B7G
BURNT SIENNA DR							
S-40	303+17.49	RT-236.20	15" RCP AE	---	1099.00	---	W/GATE
S-41	302+35.71	RT-187.32	3X3 SAS	1111.75	1106.00	5.75	W/R-1550-0054
S-42	302+35.71	RT-15.50	3X3 SAS	1122.52	1118.25	4.27	W/3067-7004-V
S-43	301+64.63	RT-15.50	3X3 SAS	1123.23	1118.97	4.26	W/3067-7004-V
S-44	301+13.17	LT-15.50	3X3 SAS	1122.84	1119.27	3.57	LP; 3067-7004-VB; (1)
S-54	306+21.00	RT-19.00	TERRACE INLET TYPE III	1113.18	1107.84	5.34	LP; SEE S.D.D. 5.7.12B; (1)
S-54A	306+21.00	LT-19.00	TERRACE INLET TYPE III	1113.18	1108.33	4.85	LP; SEE S.D.D. 5.7.12B; (1)
S-55	304+79.04	RT-15.50	3X3 SAS	1117.31	1113.30	4.01	W/3067-7004-V
S-56	304+25.82	LT-15.50	H INLET	1119.47	1116.27	3.20	W/3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-41	S-40	S-41	1099.00	1106.00	126.0	123.0	5.69%	15"	RCP	
P-42	S-41	S-42	1106.00	1118.25	172.0	169.0	7.25%	15"	RCP	
P-43	S-42	S-43	1118.25	1118.97	72.0	69.0	1.04%	15"	RCP	
P-44	S-43	S-44	1118.97	1119.27	62.0	59.0	0.51%	15"	RCP	
P-45	S-44	S-45	1119.27	1119.39	27.0	24.0	0.50%	15"	RCP	
P-46	S-43	S-46	1119.22	1120.53	60.0	57.0	2.30%	12"	RCP	
P-54A	S-54	S-54A	1108.09	1108.33	31	28.0	0.86%	21"	RCP	
P-54B	S-54A	S-54B	1109.08	1111.41	37.0	34.0	6.85%	12"	RCP	
P-55	S-54	S-55	1108.84	1113.30	141.5	138.5	3.22%	12"	RCP	
P-56	S-55	S-56	1113.30	1116.27	62.0	59.0	5.03%	12"	RCP	
P-16	S-15	S-16	1115.19	1115.41	46.0	43.0	0.51%	18"	RCP	
P-17	S-16	S-17	1115.41	1116.75	20.0	17.0	7.88%	12"	RCP	
P-27	S-26	S-27	1111.00	1113.58	153.0	150.0	1.72%	18"	RCP	
P-28	S-27	S-28	1113.58	1113.68	21.5	18.5	0.54%	18"	RCP	
P-29	S-28	S-29	1114.18	1114.30	27.0	24.0	0.50%	12"	RCP	
P-30	S-29	S-30	1114.30	1114.40	20.5	17.5	0.57%	12"	RCP	
P-31	S-30	S-31	1114.40	1115.00	118.0	115.0	0.52%	12"	RCP	
P-35	S-28	S-35	1113.93	1119.90	117.5	114.5	5.21%	15"	RCP	

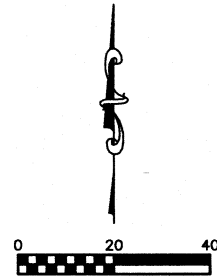
SPECIFIC NOTES

(1) AT ALL LOW POINTS- STRUCTURE SHALL HAVE 2" PVC PIPE INSTALLED FROM AND THROUGH FRONT WALL. INSTALL 90 DEG BEND TO PAVEMENT BINDER SURFACE SUCH THAT CENTER OF PIPE IN 5" FROM EDGE OF GUTTER. UPON FINAL PAVING CONTRACTOR SHALL SAW CUT 2'X2' PAVEMENT OPENING, REMOVE ALL PVC PIPE, PATCH INLET, AND PATCH BINDER

STANDARD NOTES:

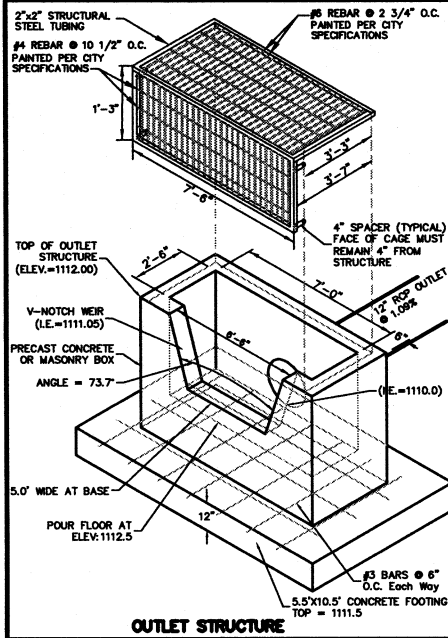
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; N/A = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = 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 PRE CAST STRUCTURES ARE PREFERRED. CONTACT COREY STELLJES OF CITY ENGINEERING AT CSTEJES@CITYOFMADISON.COM.
- PLAN LENGTH IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL PIPE LENGTH FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

GRADING LEGEND
 ---1103--- EXISTING MINOR CONTOUR
 ---1105--- EXISTING MAJOR CONTOUR
 ---110--- PROPOSED MINOR CONTOUR
 ---110--- PROPOSED MAJOR CONTOUR

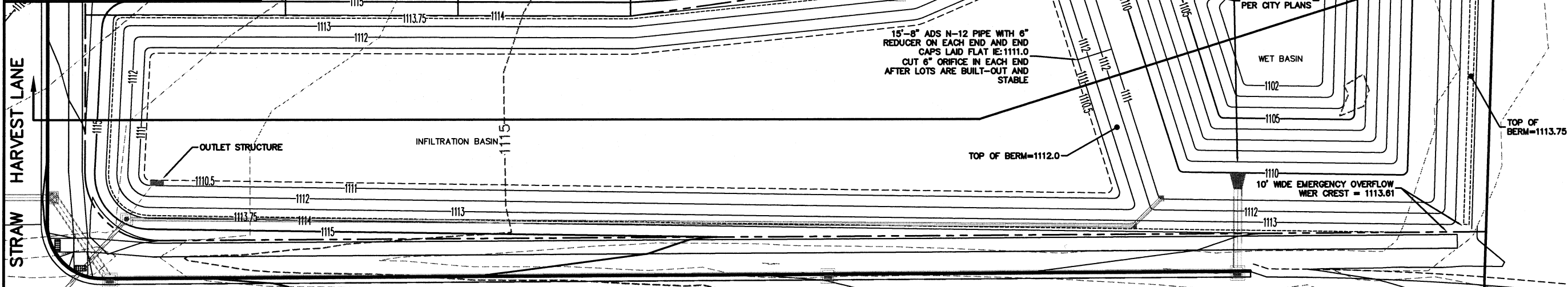


6/22/2015

BRONZE LEAF LANE



OUTLET STRUCTURE



STRAW HARVEST LANE

PIPE INVERTS PER CITY PLANS

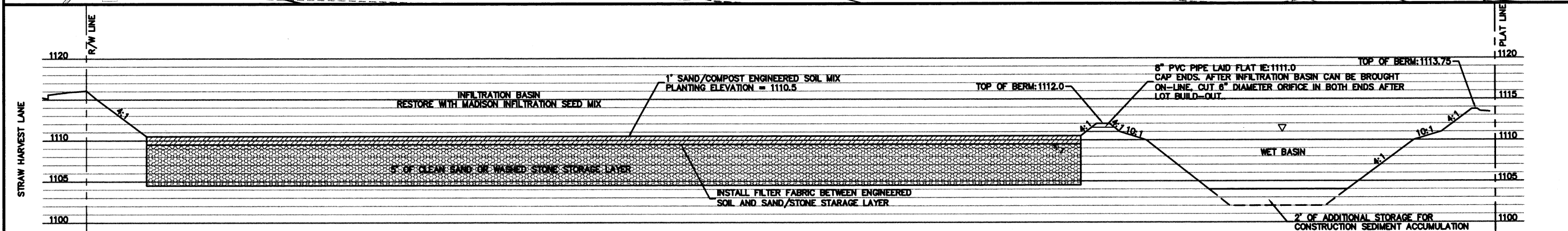
WET BASIN

15'-8" ADS N-12 PIPE WITH 6" REDUCER ON EACH END AND END CAPS LAID FLAT I.E. 1111.0 CUT 6" ORIFICE IN EACH END AFTER LOTS ARE BUILT-OUT AND STABLE

10" WIDE EMERGENCY OVERFLOW WEIR CREST = 1113.81

TOP OF BERM=1112.0

TOP OF BERM=1113.75



STRAW HARVEST LANE

PLAT LINE

Burse
 Surveying and Engineering, Inc.
 2801 International Lane, Suite 101
 Madison, WI 53704
 Phone: 608-250-9263
 Fax: 608-250-9266
 e-mail: MBurse@BSE-INC.net
 www.burse-surveying.com

APPROVAL	DATE	BY
PROJECT		
DESIGN		
CHECK		
ISSUE		

Autumn Ridge Reserve
 403 & 404 Scheve Road
 Madison, Wisconsin
Encore Autumn Ridge LLC
 6840 Schneider Road
 Middleton, WI 53562

PROJECT #: BSE1698-13
 PLOT DATE: 06/22/2015

REVISION DATES:

05/22/2015
06/10/2015
06/22/2015

ISSUE DATES:

12/08/2014
05/22/2015
06/10/2015
06/22/2015

SOUTHEAST
 STORMWATER BASIN
 DETAIL

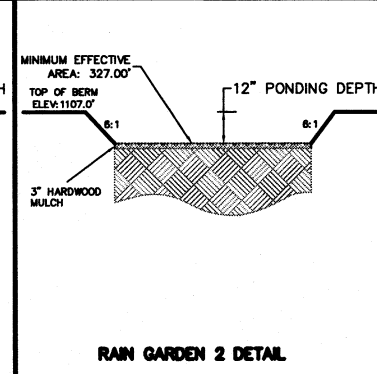
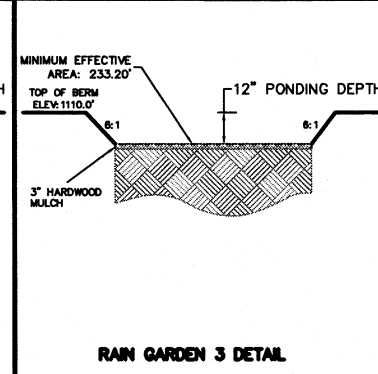
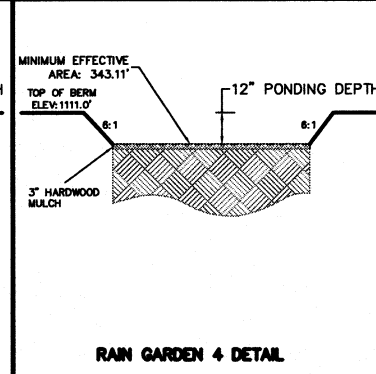
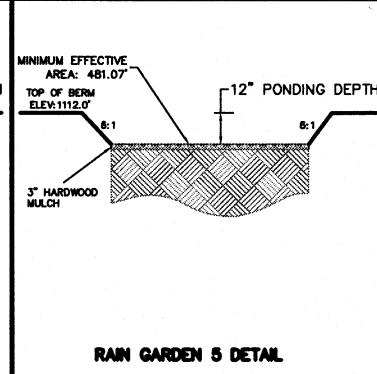
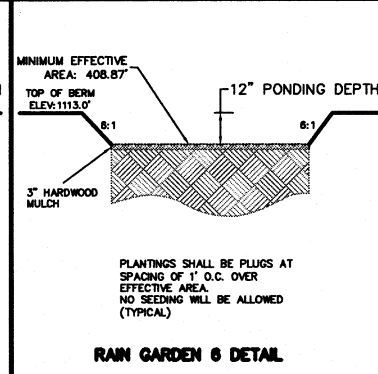
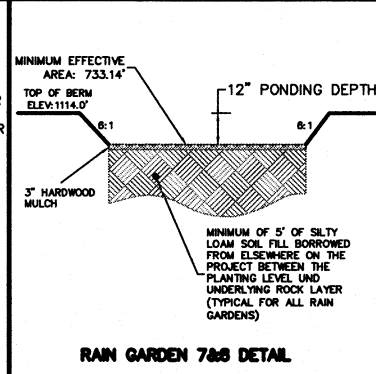
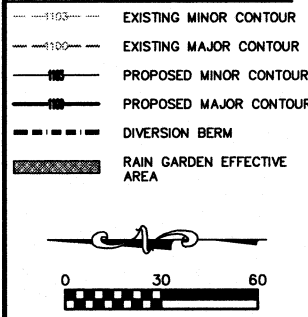
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DRAWING NUMBER
Pond 1

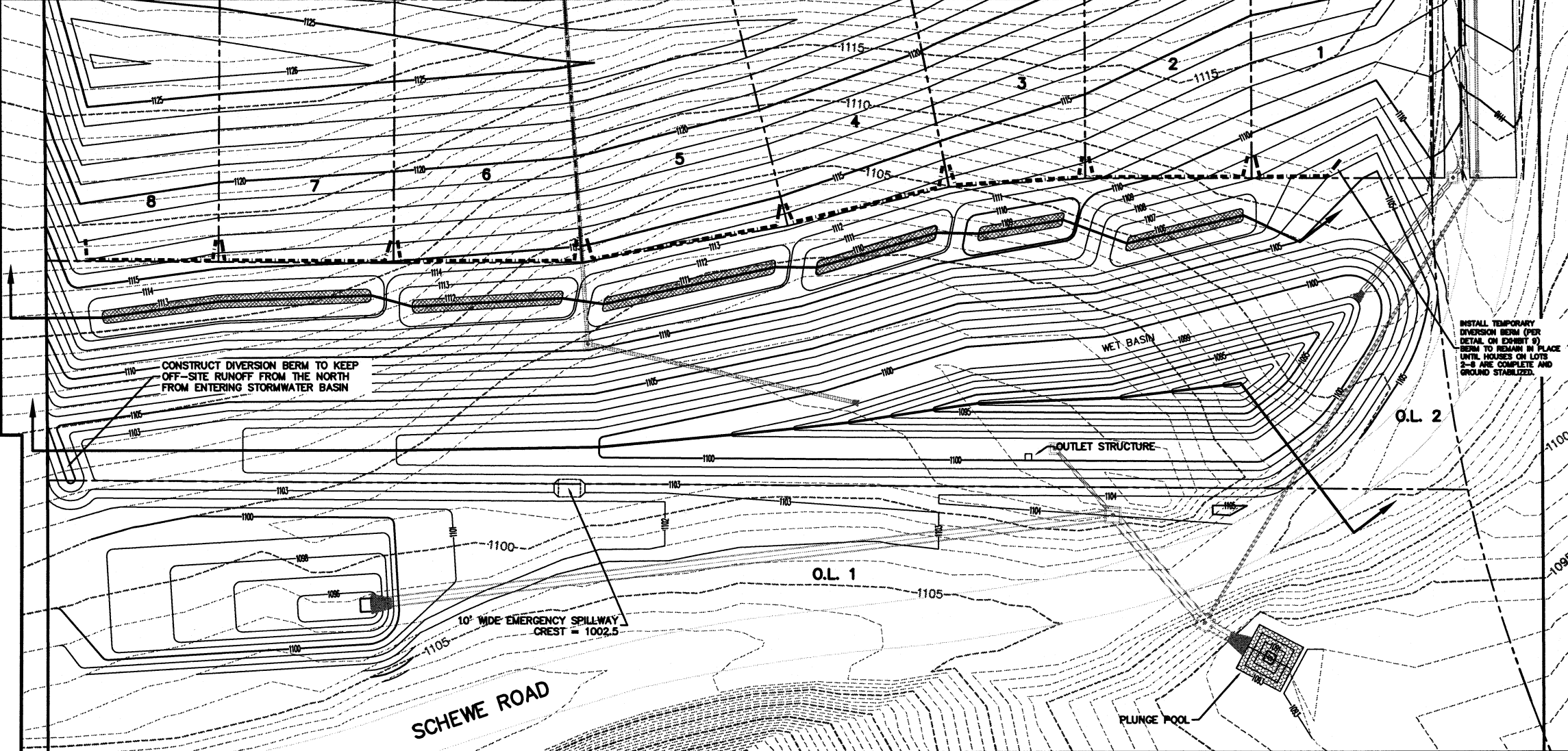
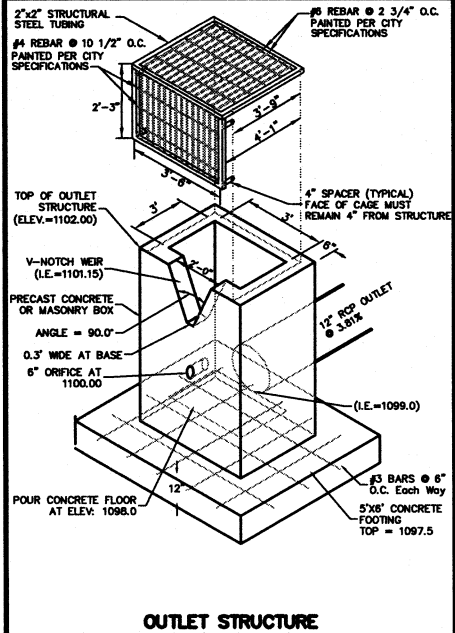
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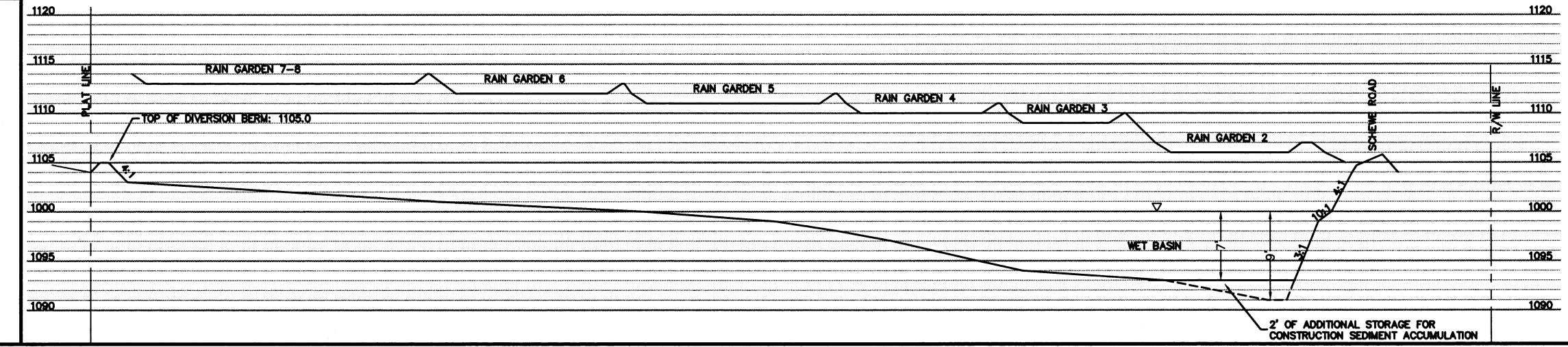
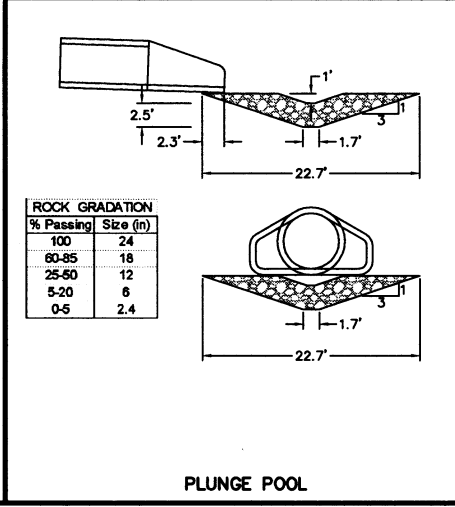
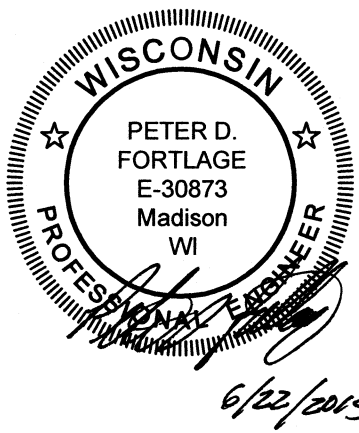
GRADING LEGEND



ELDERBERRY ROAD



INSTALL TEMPORARY DIVERSION BERM (PER DETAIL ON EXHIBIT 9) BERM TO REMAIN IN PLACE UNTIL HOUSES ON LOTS 2-8 ARE COMPLETE AND GROUND STABILIZED.



Burse
Surveying and Engineering, Inc.
2201 International Lane, Suite 101
Madison, WI 53704
Phone: 608-250-9265
Fax: 608-250-9266
e-mail: mburse@bse-inc.net
www.bursesurveyeng.com

APPROVAL	DATE
PROJECT	DATE
DESIGN	DATE
CHECK	DATE
ISSUE	DATE

Autumn Ridge Reserve
403 & 404 Scheve Road
Madison, Wisconsin
Encore Autumn Ridge LLC
6840 Schneider Road
Middleton, WI 53562

PROJECT #: BSE1698-13
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06/22/2015

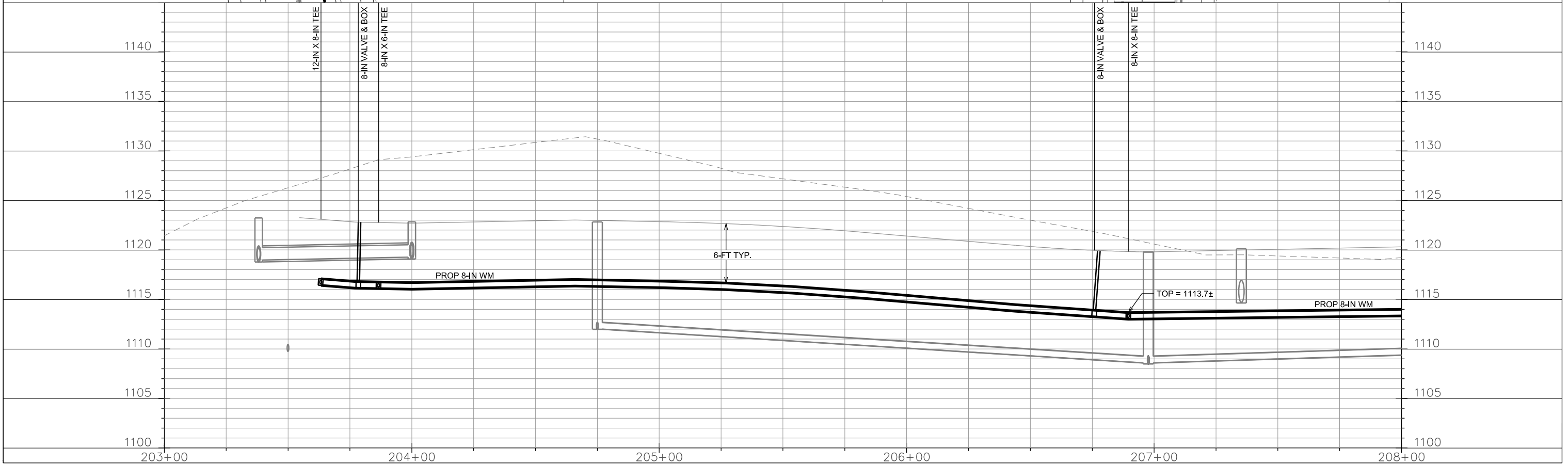
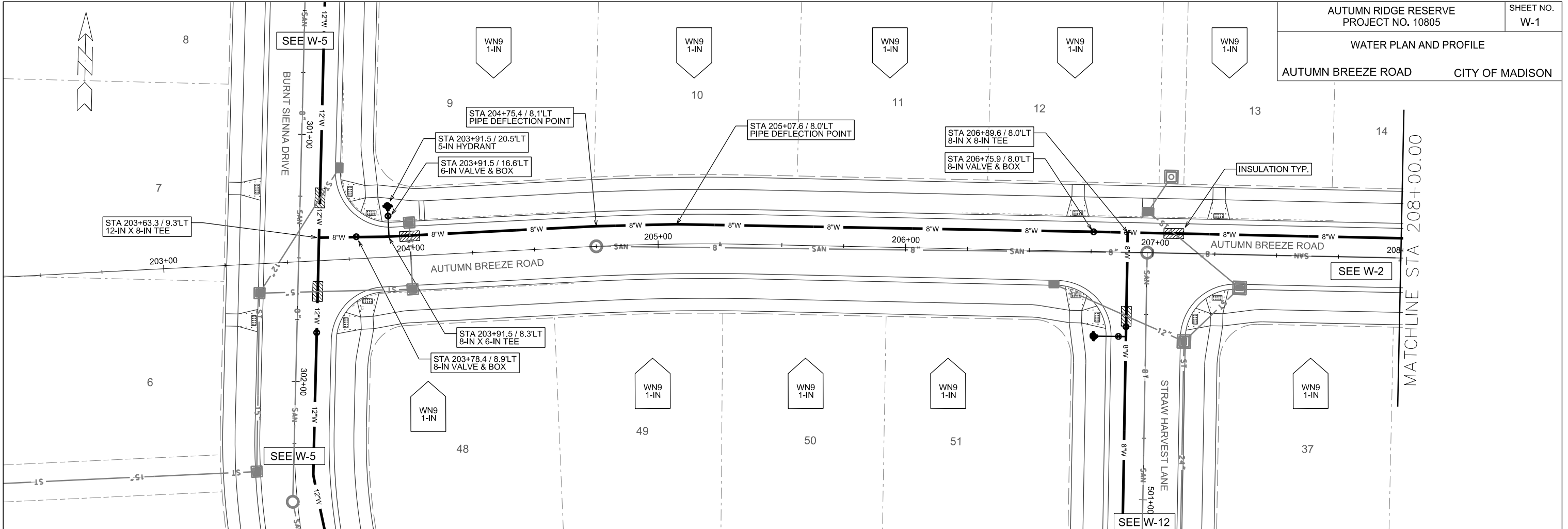
ISSUE DATES:

12/08/2014
05/21/2015
06/10/2015
06/22/2015

WEST STORMWATER BASIN DETAIL

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DRAWING NUMBER
Pond 2



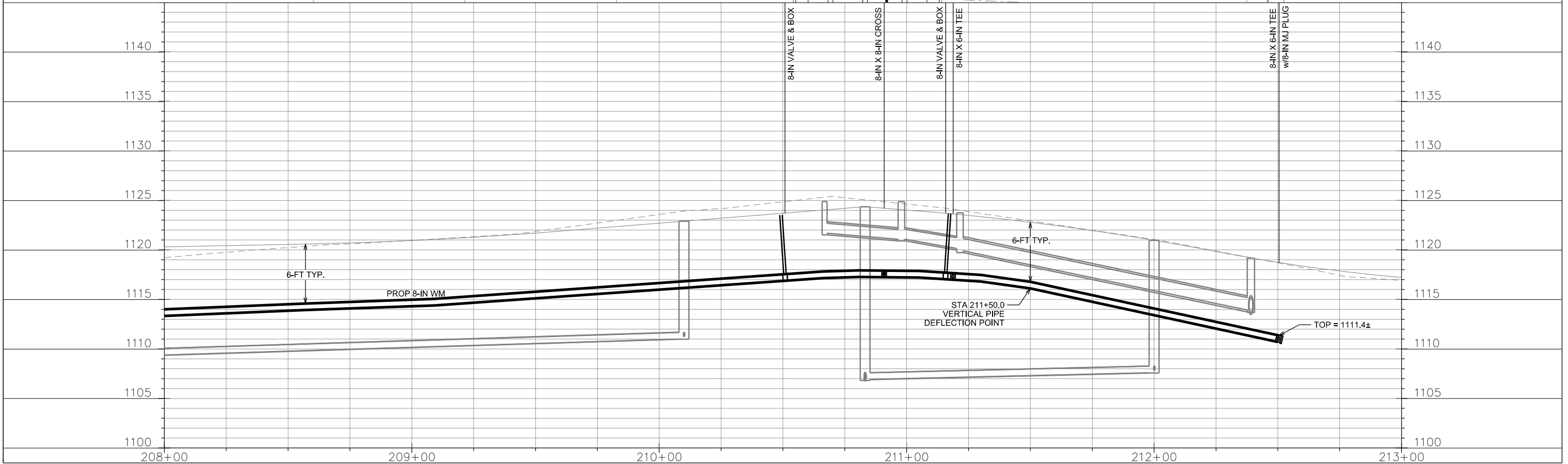
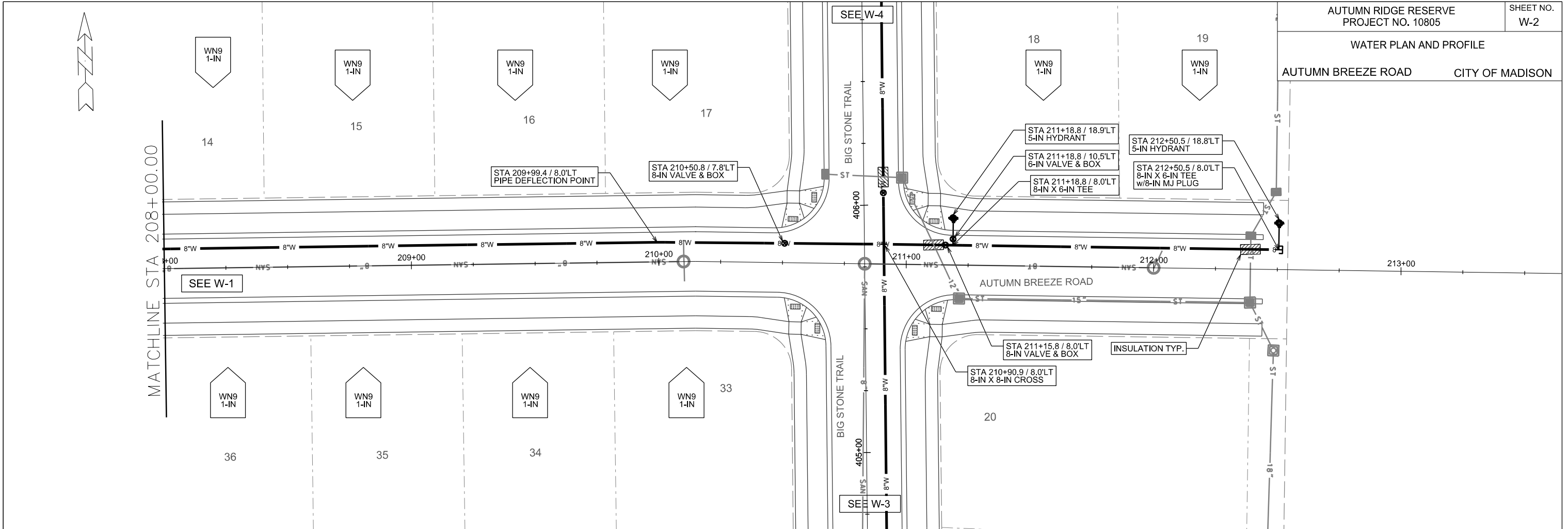
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE
AUTUMN BREEZE ROAD CITY OF MADISON



PLOT SCALE: _____

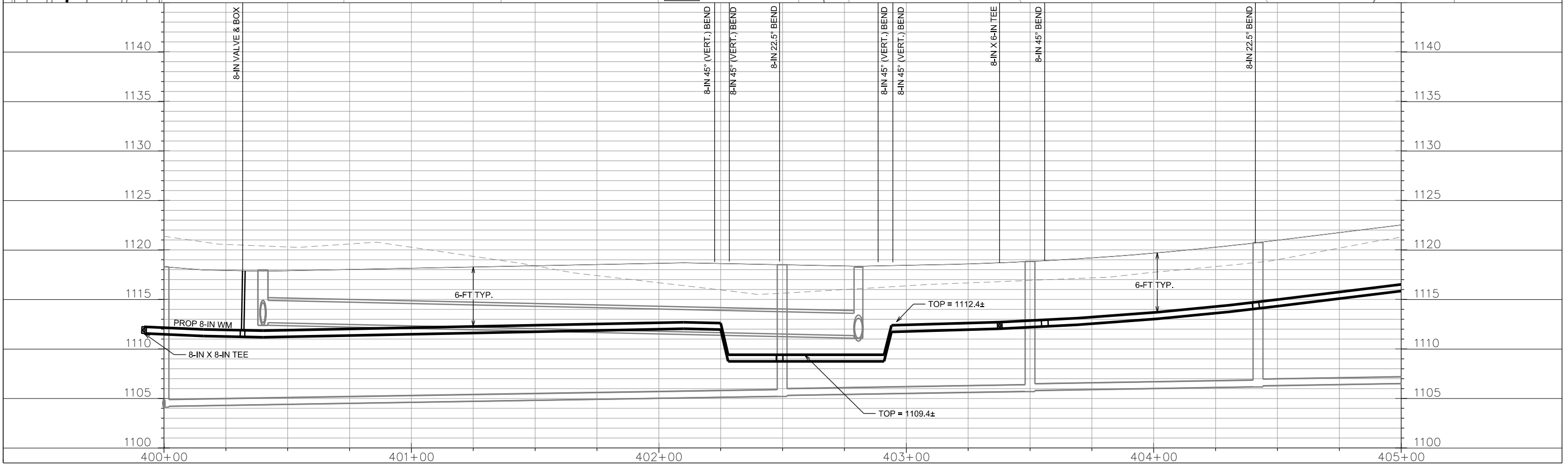
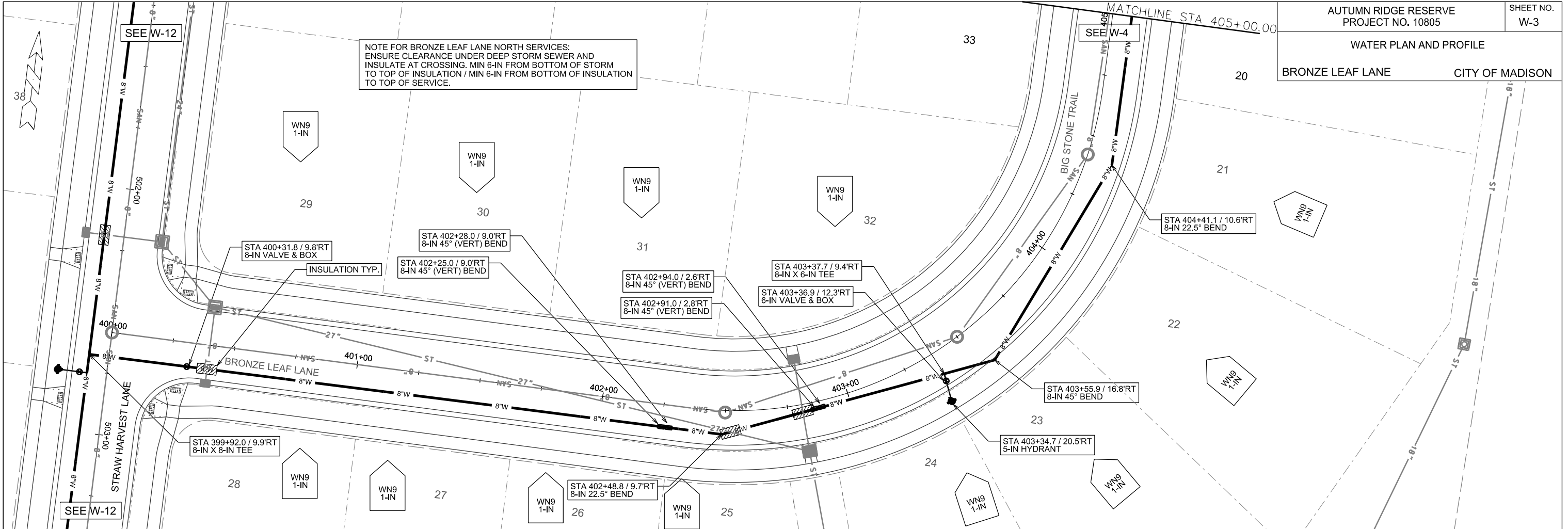
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE
BRONZE LEAF LANE CITY OF MADISON

NOTE FOR BRONZE LEAF LANE NORTH SERVICES:
ENSURE CLEARANCE UNDER DEEP STORM SEWER AND
INSULATE AT CROSSING. MIN 6-IN FROM BOTTOM OF STORM
TO TOP OF INSULATION / MIN 6-IN FROM BOTTOM OF INSULATION
TO TOP OF SERVICE.

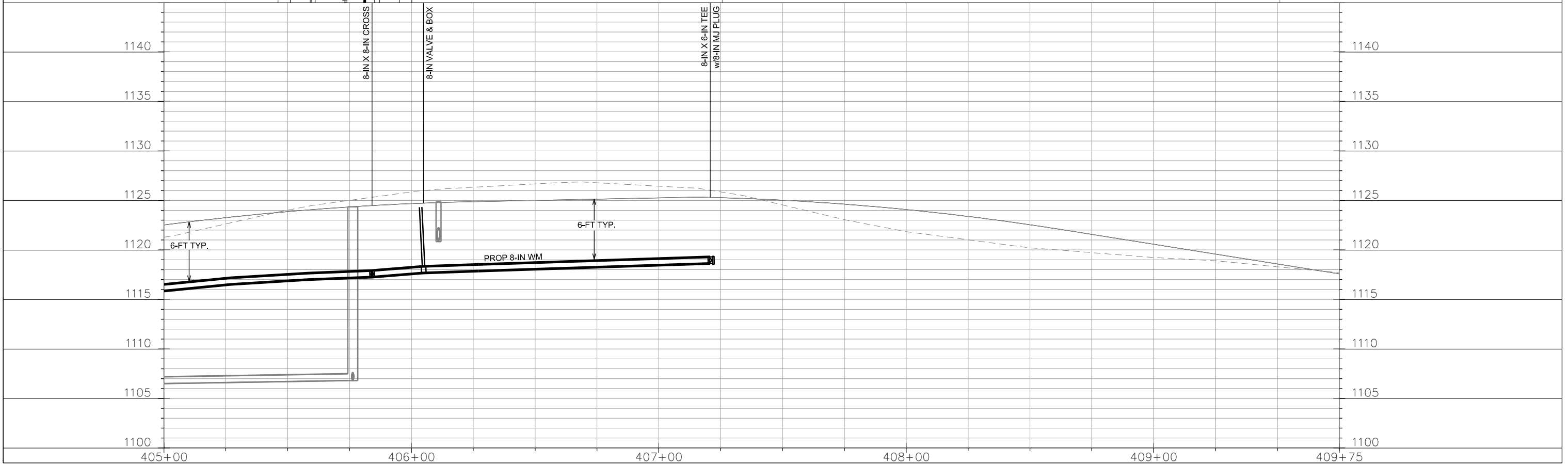
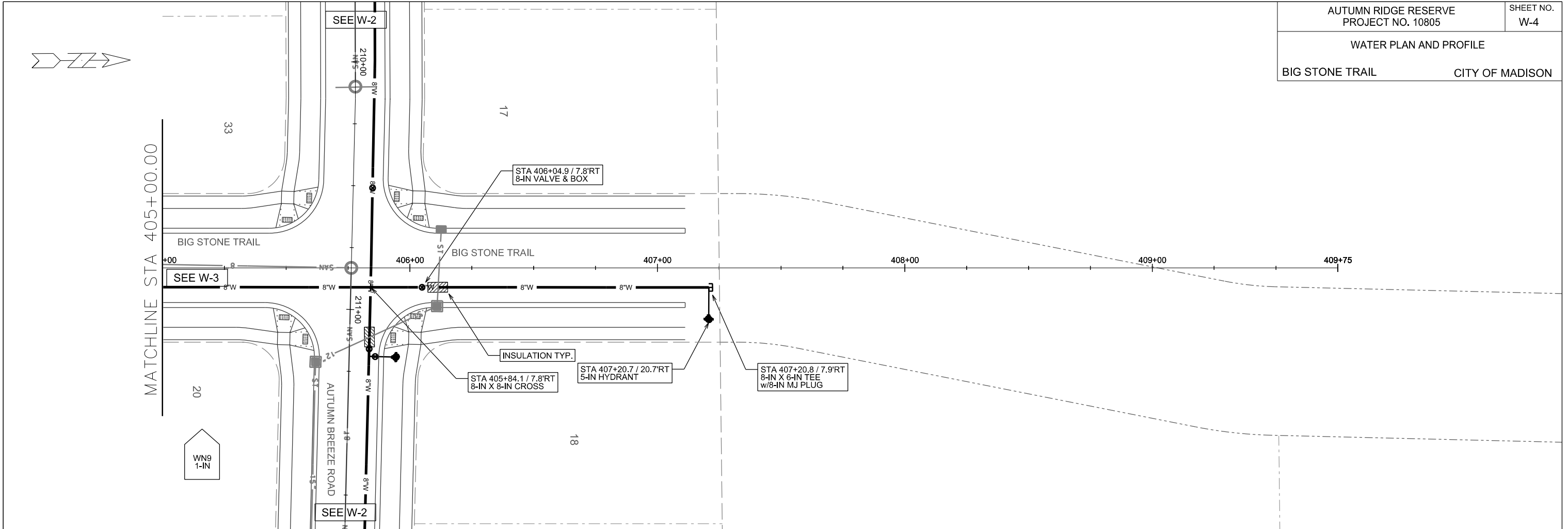


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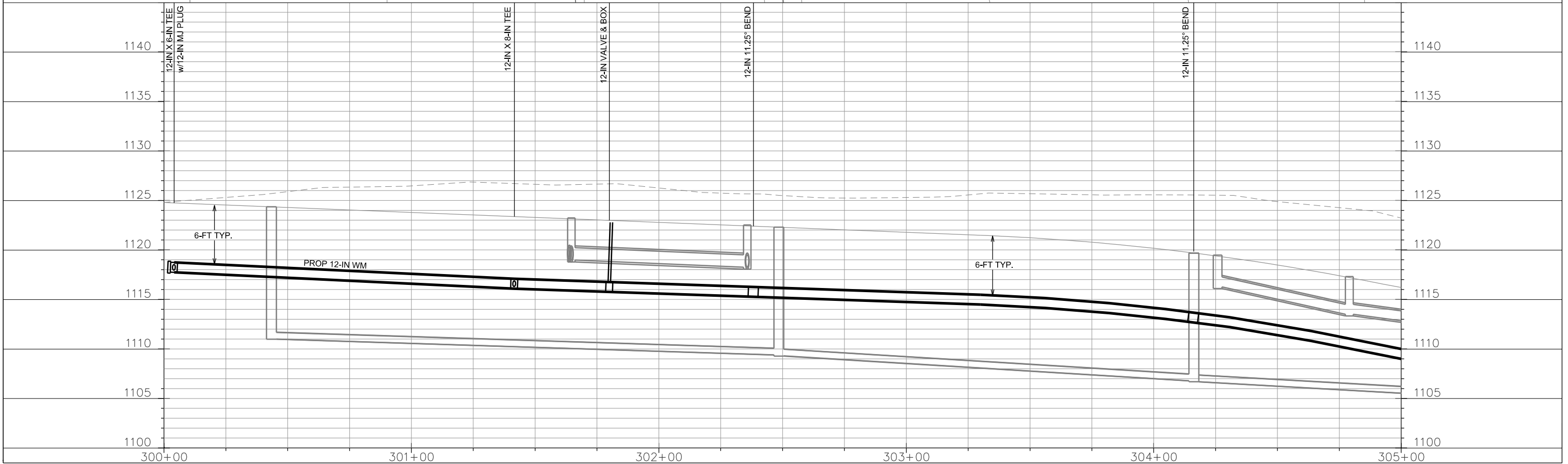
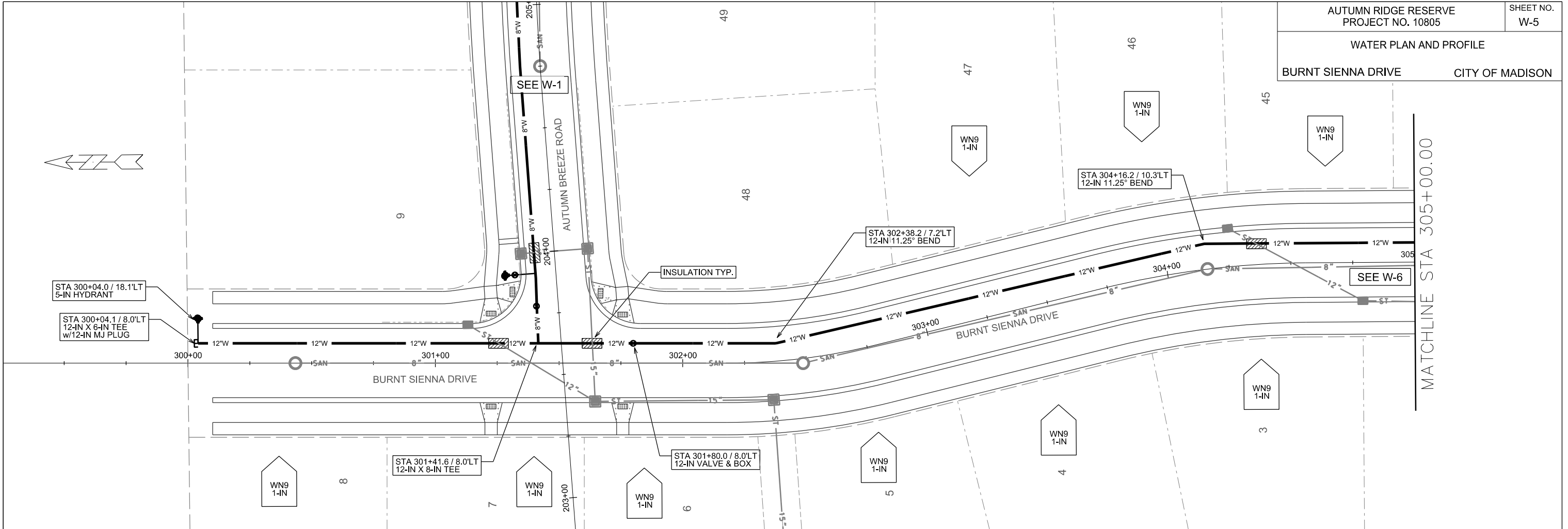
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

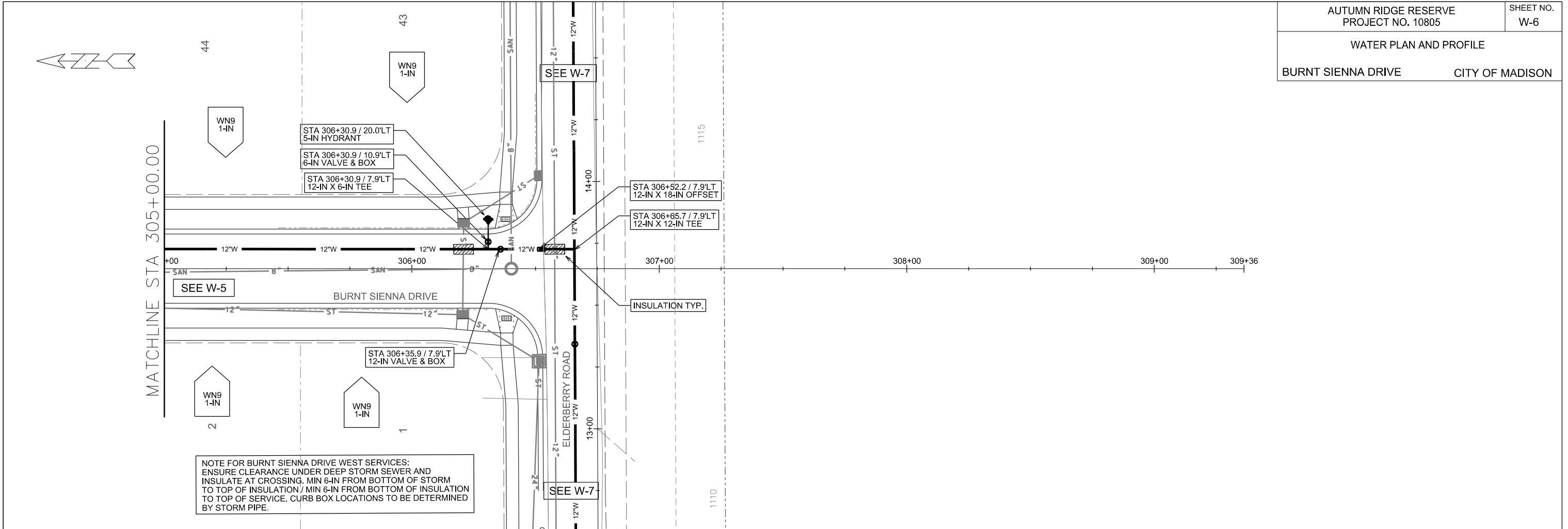


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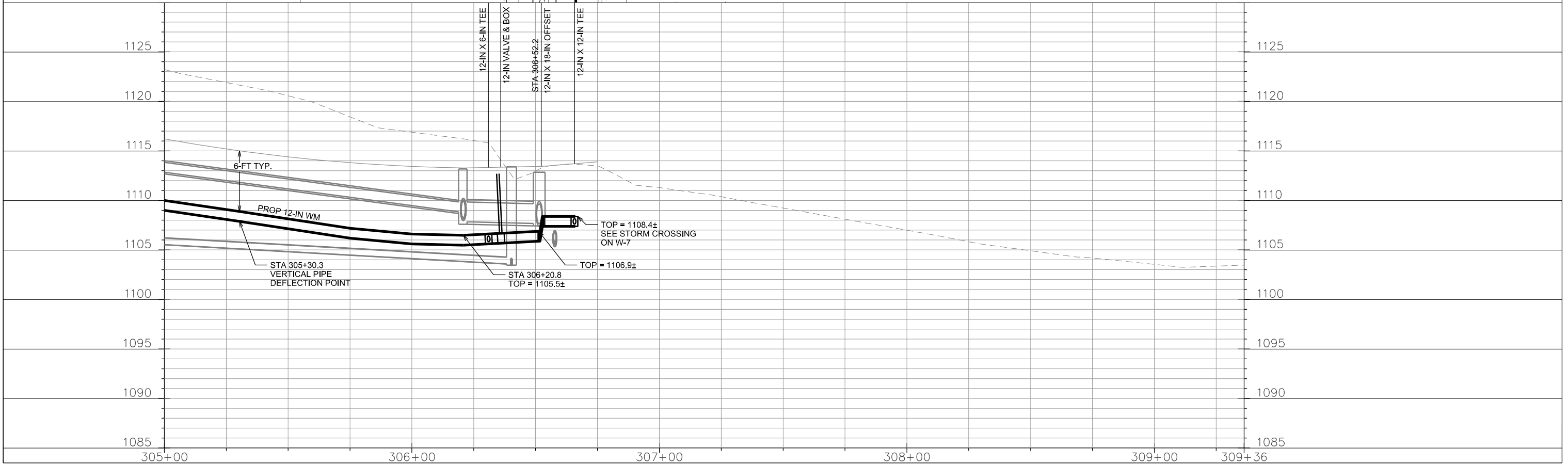
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



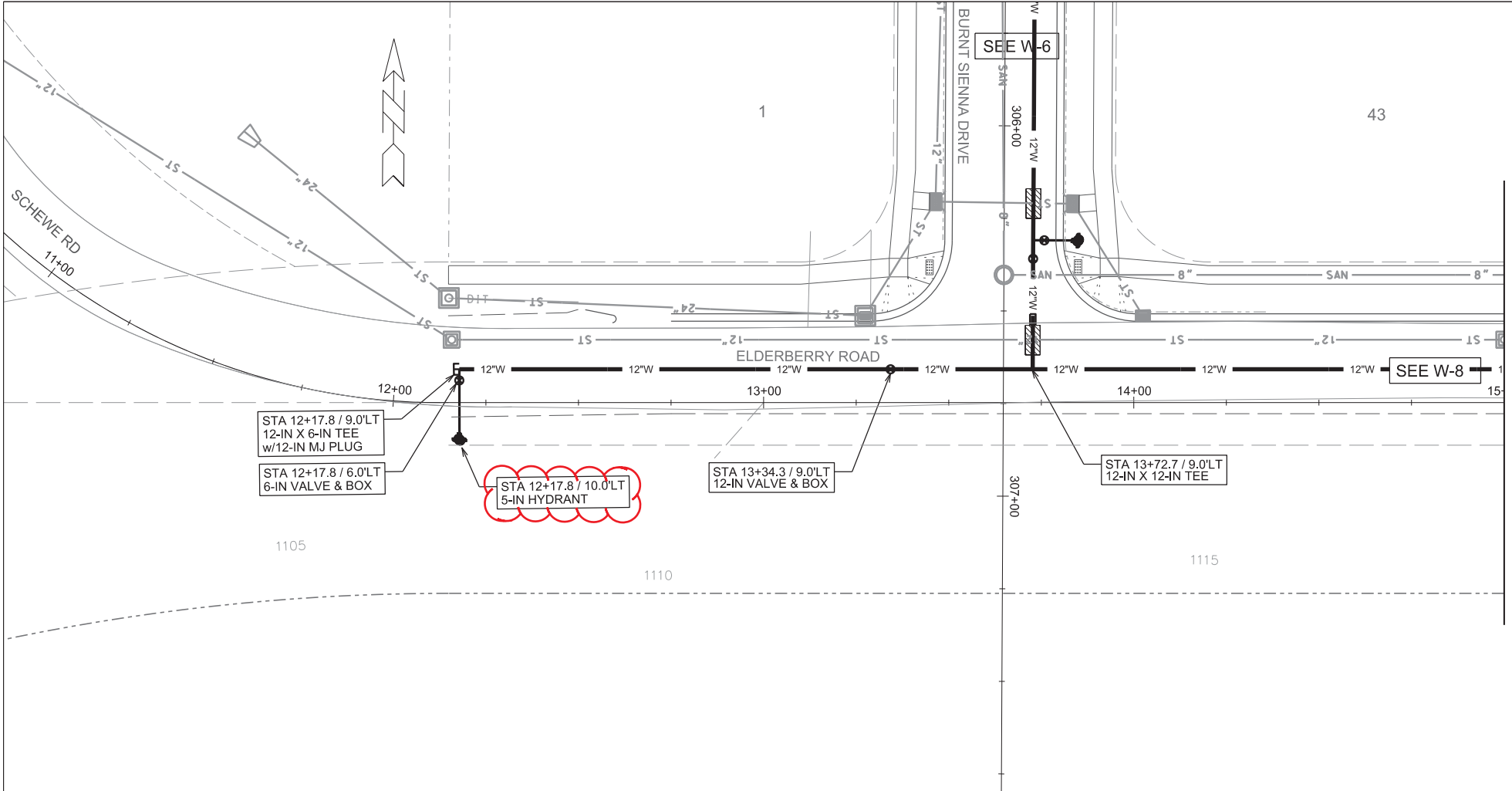
NOTE FOR BURNT SIENNA DRIVE WEST SERVICES:
ENSURE CLEARANCE UNDER DEEP STORM SEWER AND
INSULATE AT CROSSING. MIN 6-IN FROM BOTTOM OF STORM
TO TOP OF INSULATION / MIN 6-IN FROM BOTTOM OF INSULATION
TO TOP OF SERVICE. CURB BOX LOCATIONS TO BE DETERMINED
BY STORM PIPE.



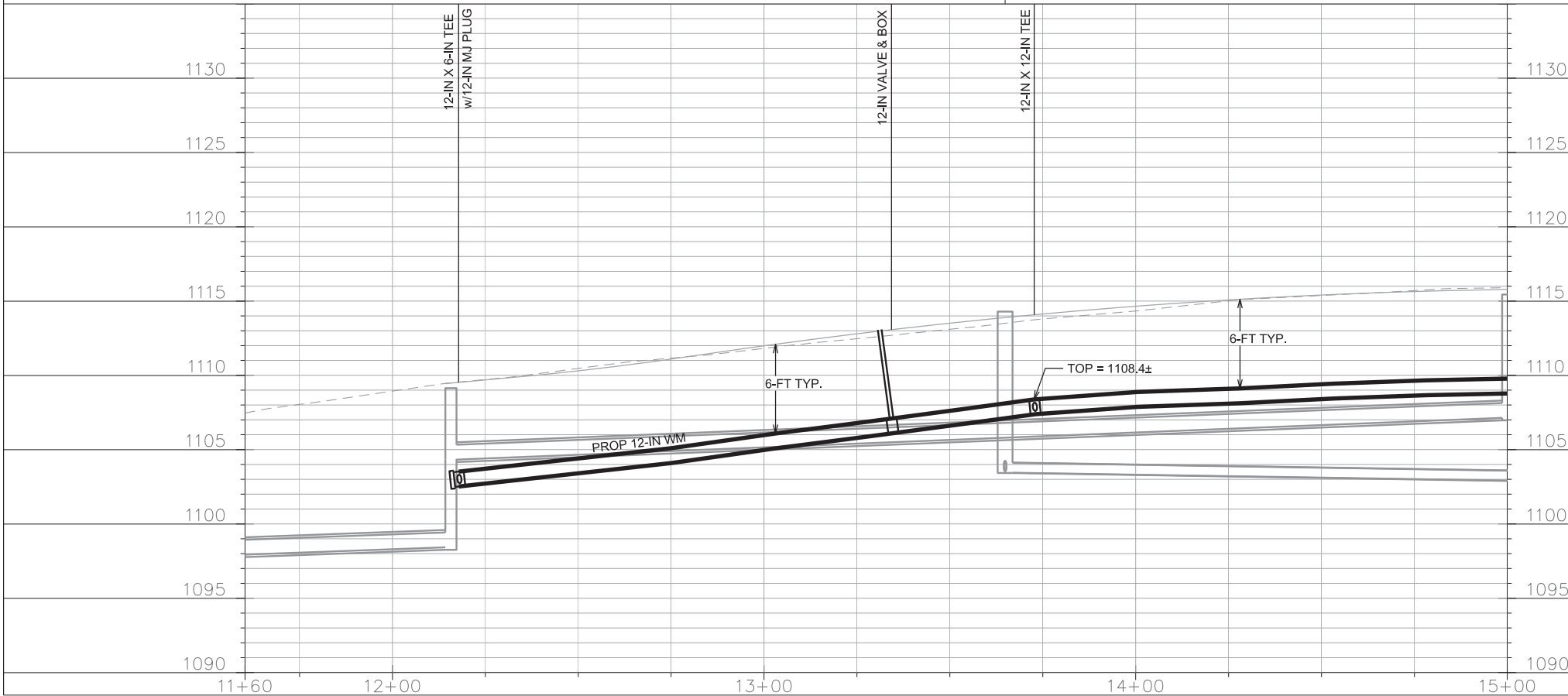
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 15+00.00

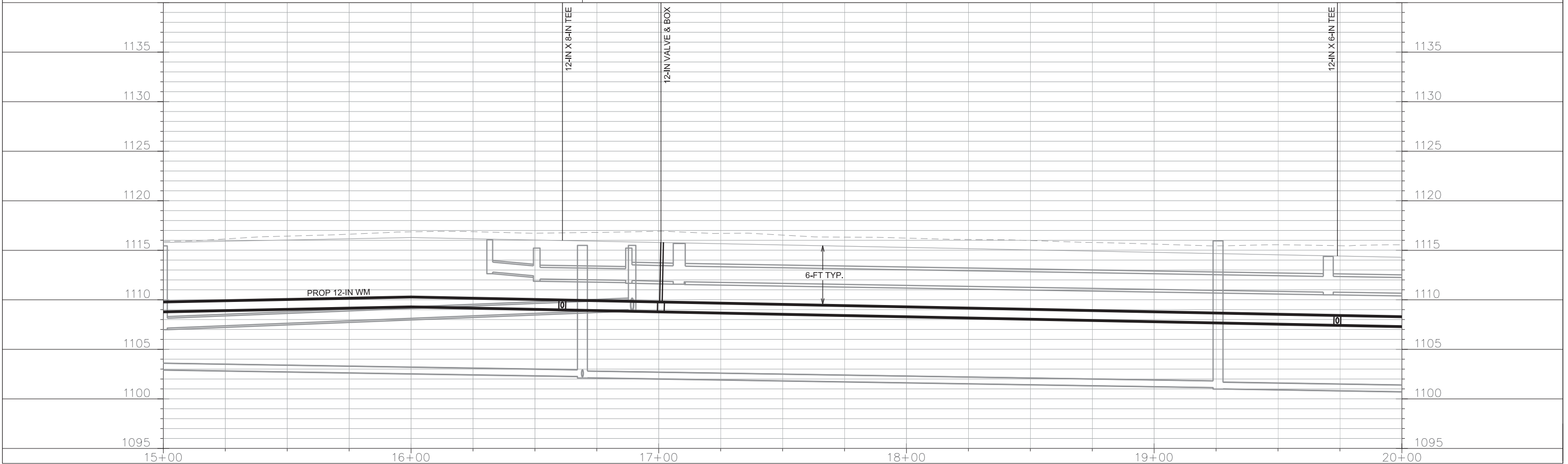
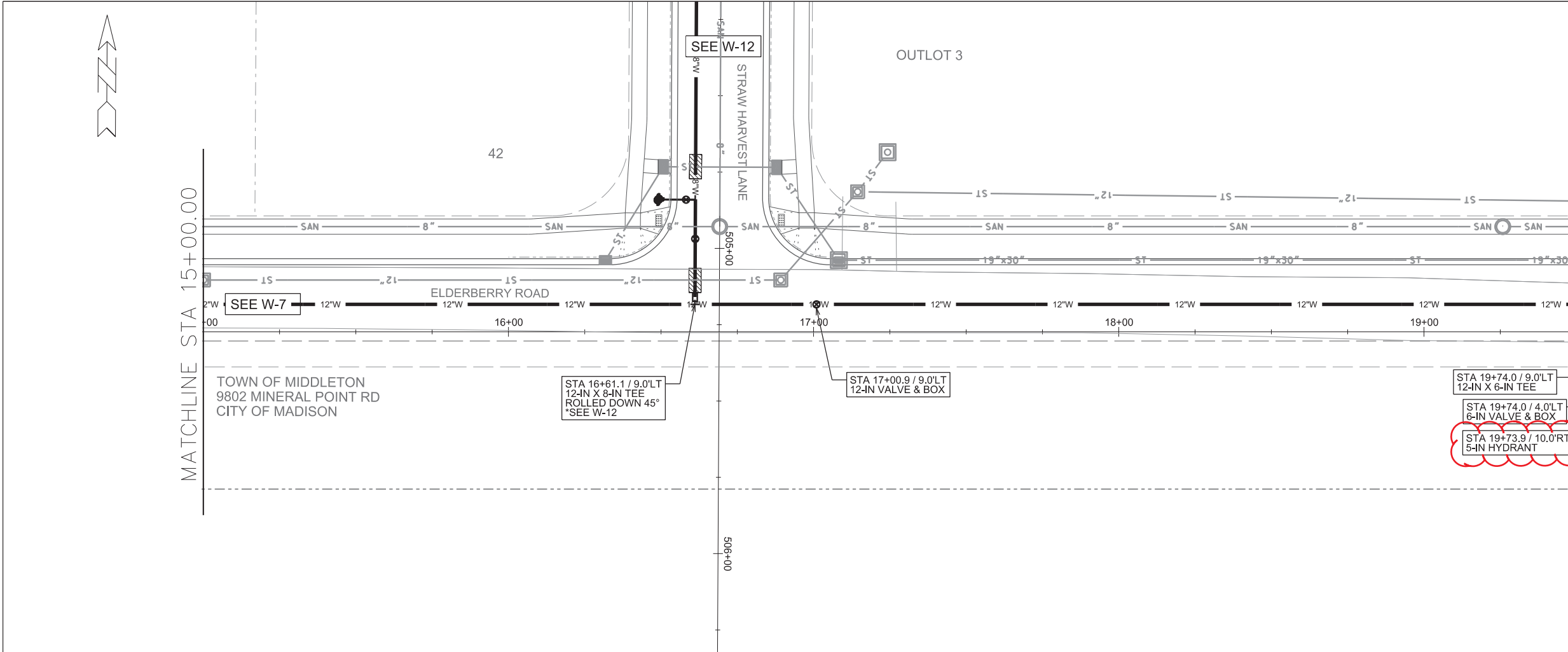


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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



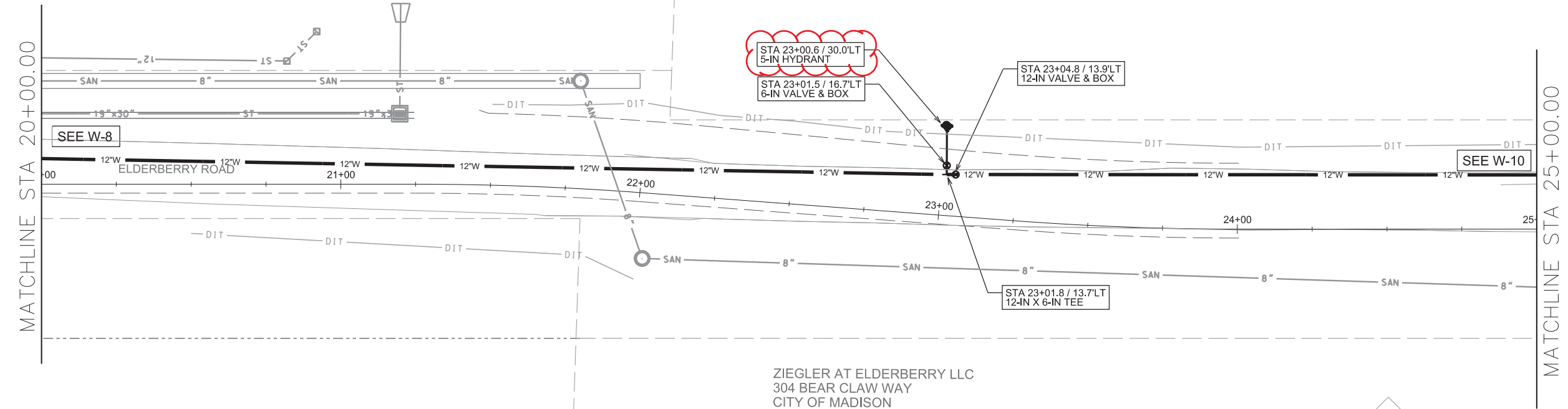
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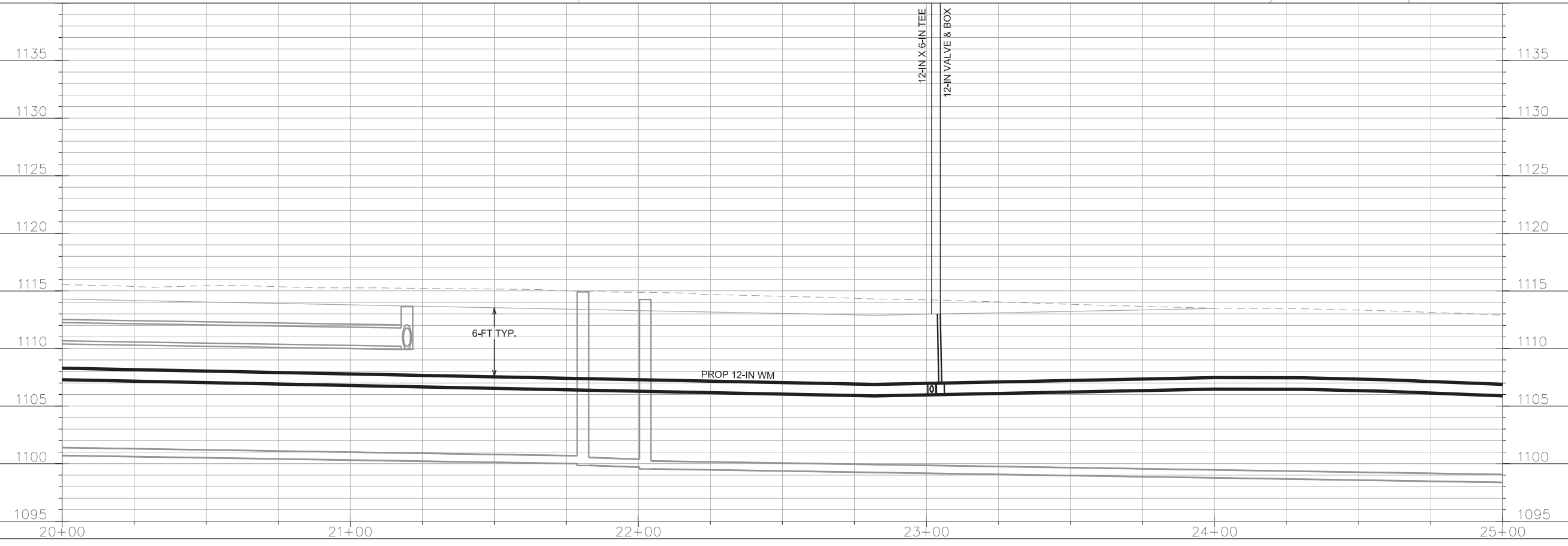
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

*NOTE: TRENCH PATCH TYPE III
FOR ALL PAVEMENT REMOVED
DURING WATER INSTALLATION



ZIEGLER AT ELDERBERRY LLC
304 BEAR CLAW WAY
CITY OF MADISON



PLOT SCALE: _____

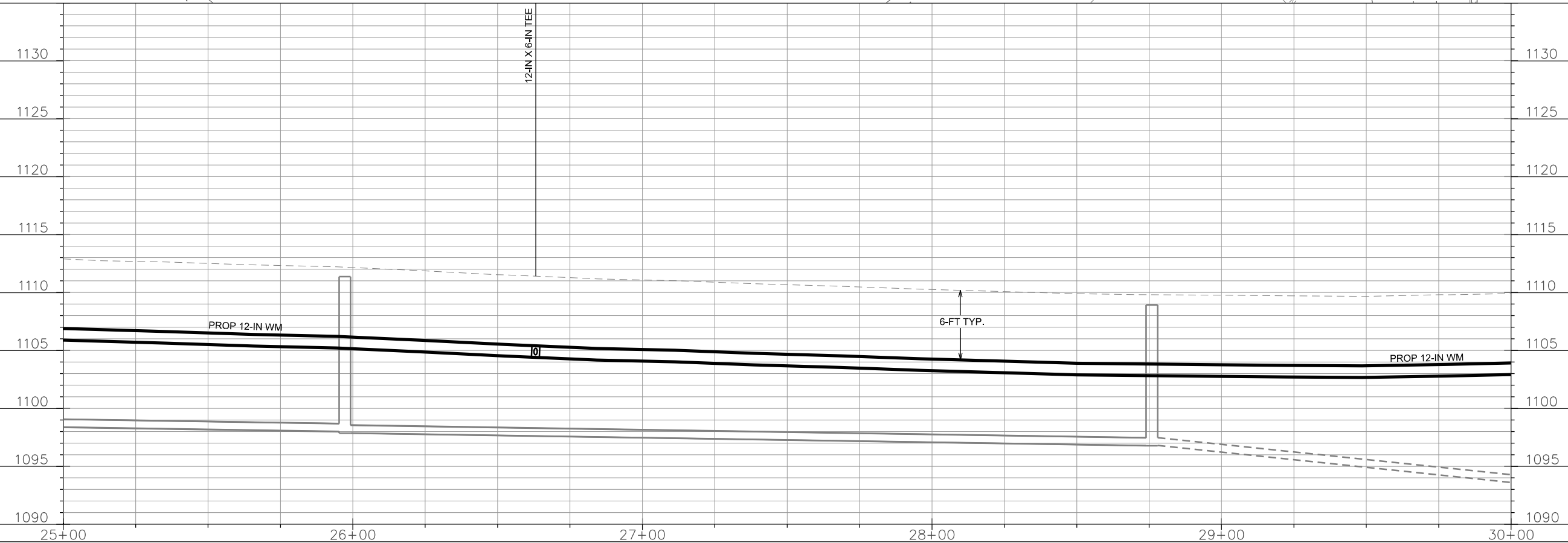
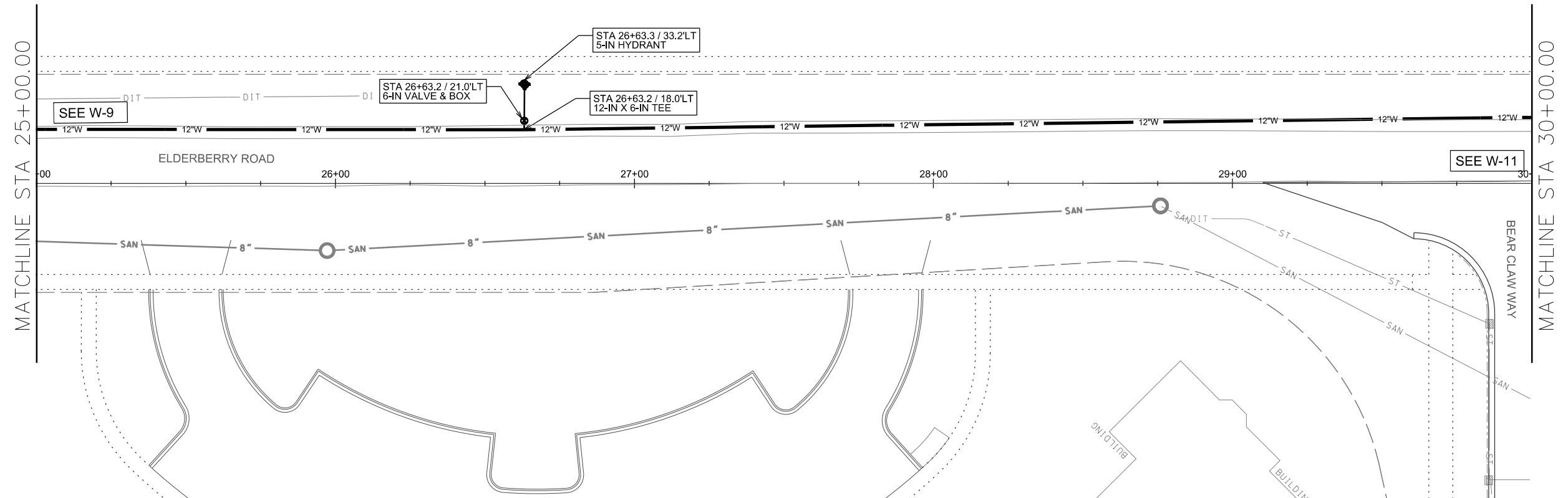
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

RANDALL, THEIS
THEIS FAMILY FARM LLC
TOWN OF MIDDLETON

*NOTE: TRENCH PATCH TYPE III
FOR ALL PAVEMENT REMOVED
DURING WATER INSTALLATION

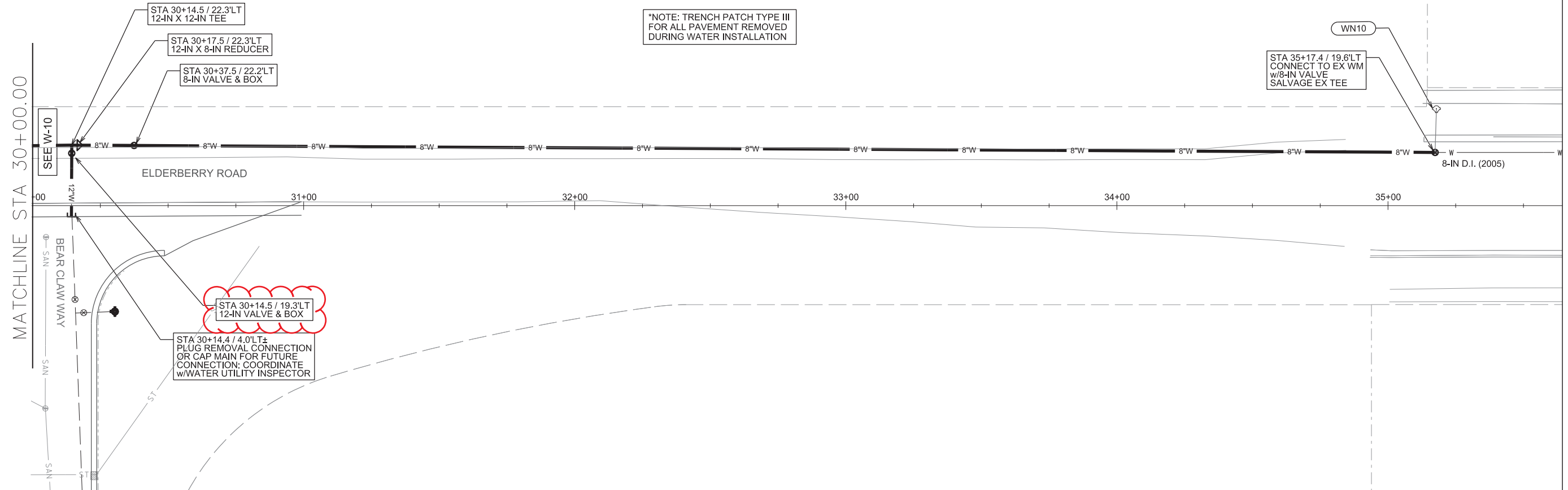


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



*NOTE: TRENCH PATCH TYPE III FOR ALL PAVEMENT REMOVED DURING WATER INSTALLATION

MATCHLINE STA 30+00.00

ELDERBERRY ROAD

SEE W-10

12\"/>

BEAR CLAW WAY

8\"/>

12\"/>

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STA 30+14.5 / 19.3'LT
12-IN VALVE & BOX

STA 30+14.4 / 4.0'LT±
PLUG REMOVAL CONNECTION
OR CAP MAIN FOR FUTURE
CONNECTION: COORDINATE
w/WATER UTILITY INSPECTOR

STA 35+17.4 / 19.6'LT
CONNECT TO EX WM
w/8-IN VALVE
SALVAGE EX TEE

WN10

8-IN D.I. (2005)



PLOT SCALE: _____

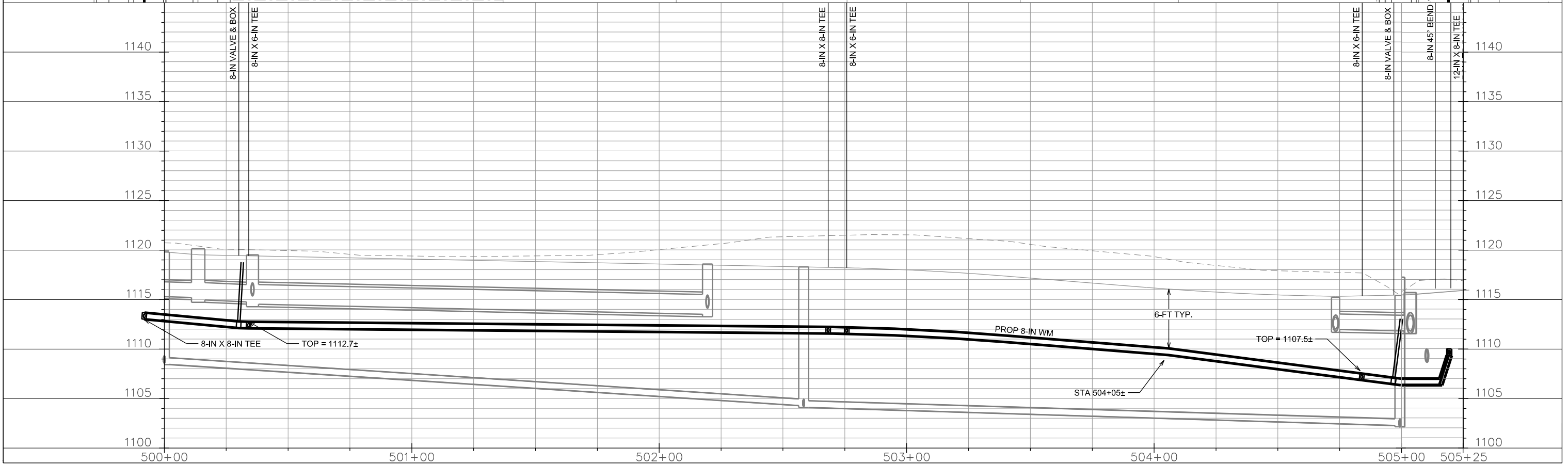
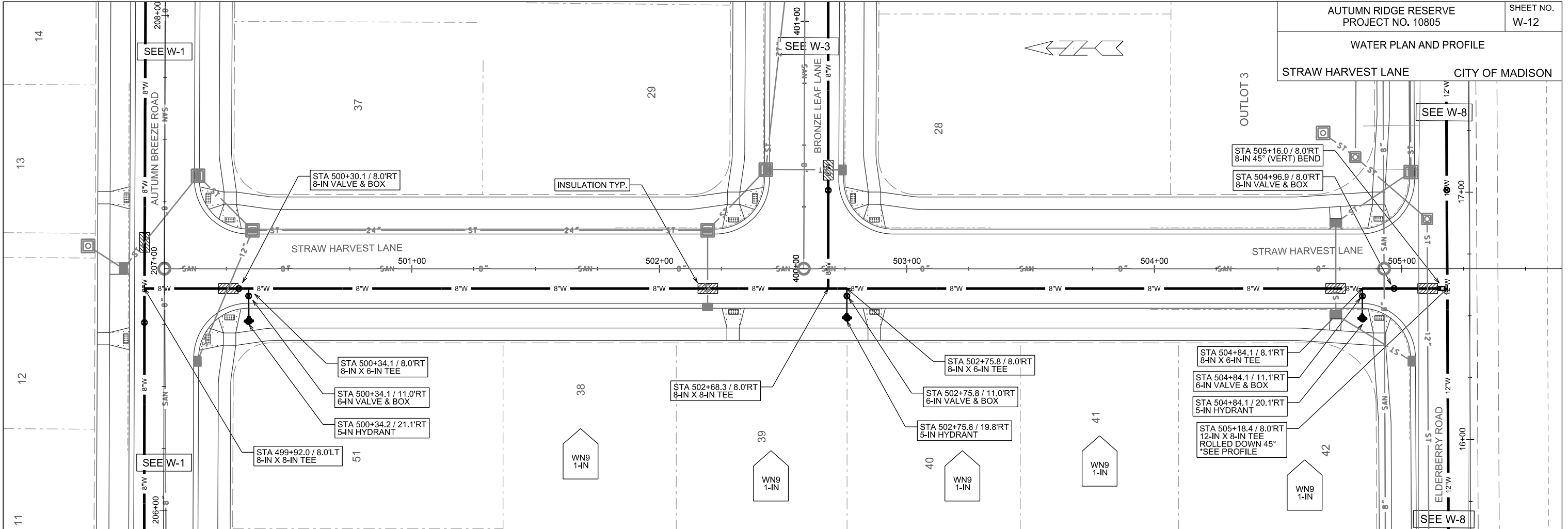
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

STRAW HARVEST LANE CITY OF MADISON

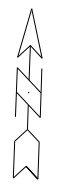


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

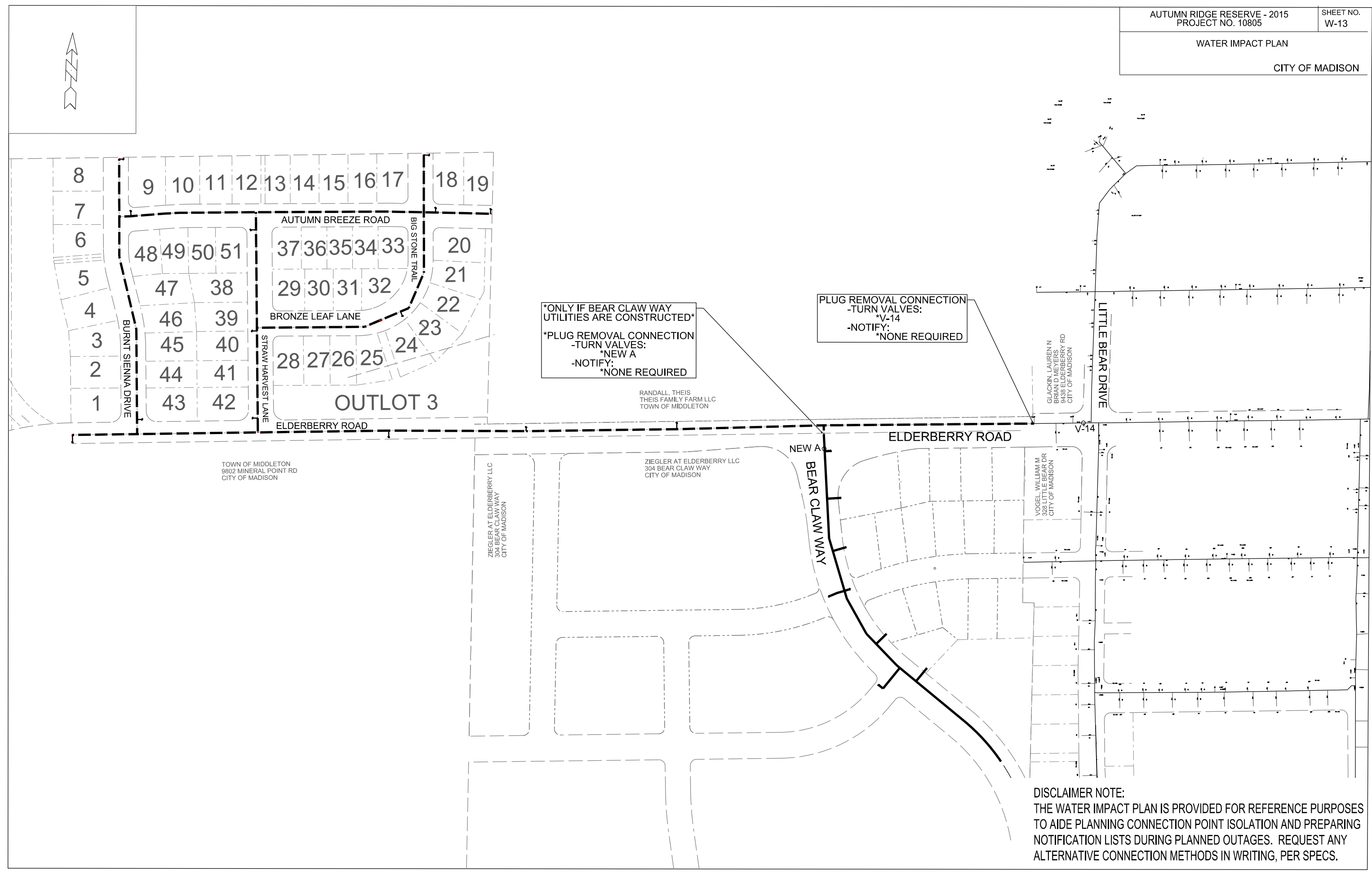
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: _____

DATE: _____



ONLY IF BEAR CLAW WAY UTILITIES ARE CONSTRUCTED
*PLUG REMOVAL CONNECTION
-TURN VALVES:
*NEW A
-NOTIFY:
*NONE REQUIRED

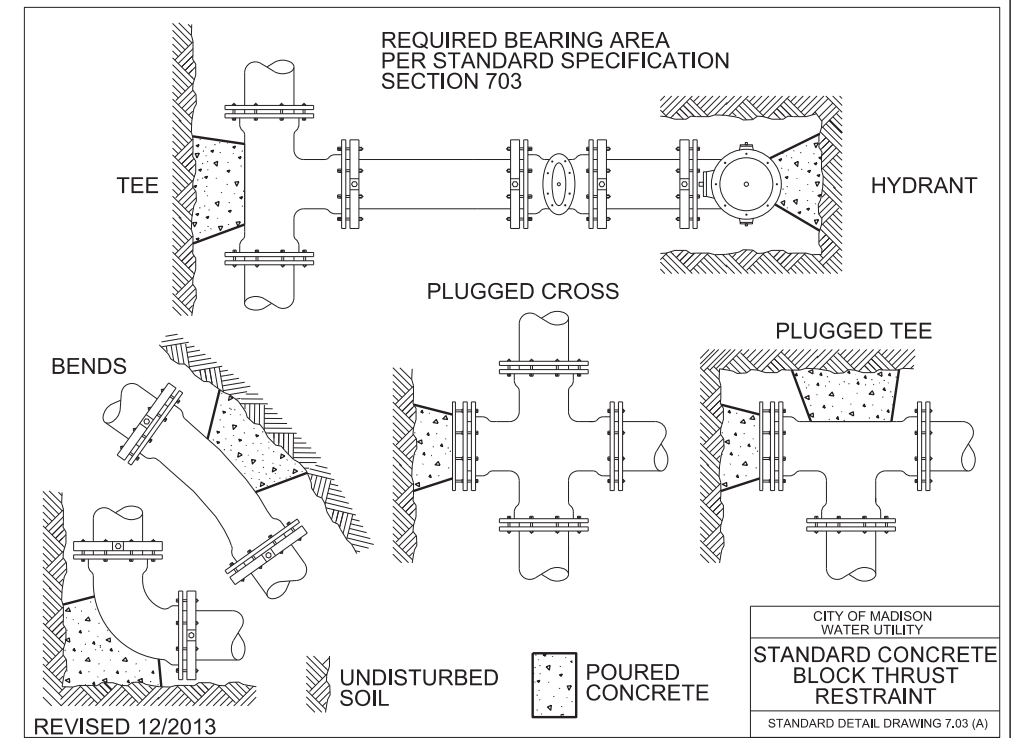
PLUG REMOVAL CONNECTION
-TURN VALVES:
*V-14
-NOTIFY:
*NONE REQUIRED

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.

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:

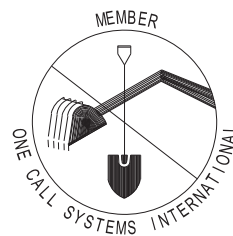
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

- | | |
|-----------------------|--|
| 200-FT - 6-IN PIPE | 2 - 8-IN 22.5° BEND |
| 2660-FT - 8-IN PIPE | 6 - 8-IN 45° BEND |
| 3150-FT - POLYWRAP | 2 - 8-IN MJ PLUG |
| 11 - 6-IN VALVE & BOX | 14 - 5-IN HYDRANT |
| 10 - 8-IN VALVE & BOX | 130-FT - 2-IN STYROFOAM INSULATION |
| 8 - 8-IN X 6-IN TEE | 1-IN COPPER SERVICE PIPING (AS REQUIRED) |
| 2 - 8-IN X 8-IN TEE | |
| 1 - 8-IN x 8-IN CROSS | |

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

CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.



ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:

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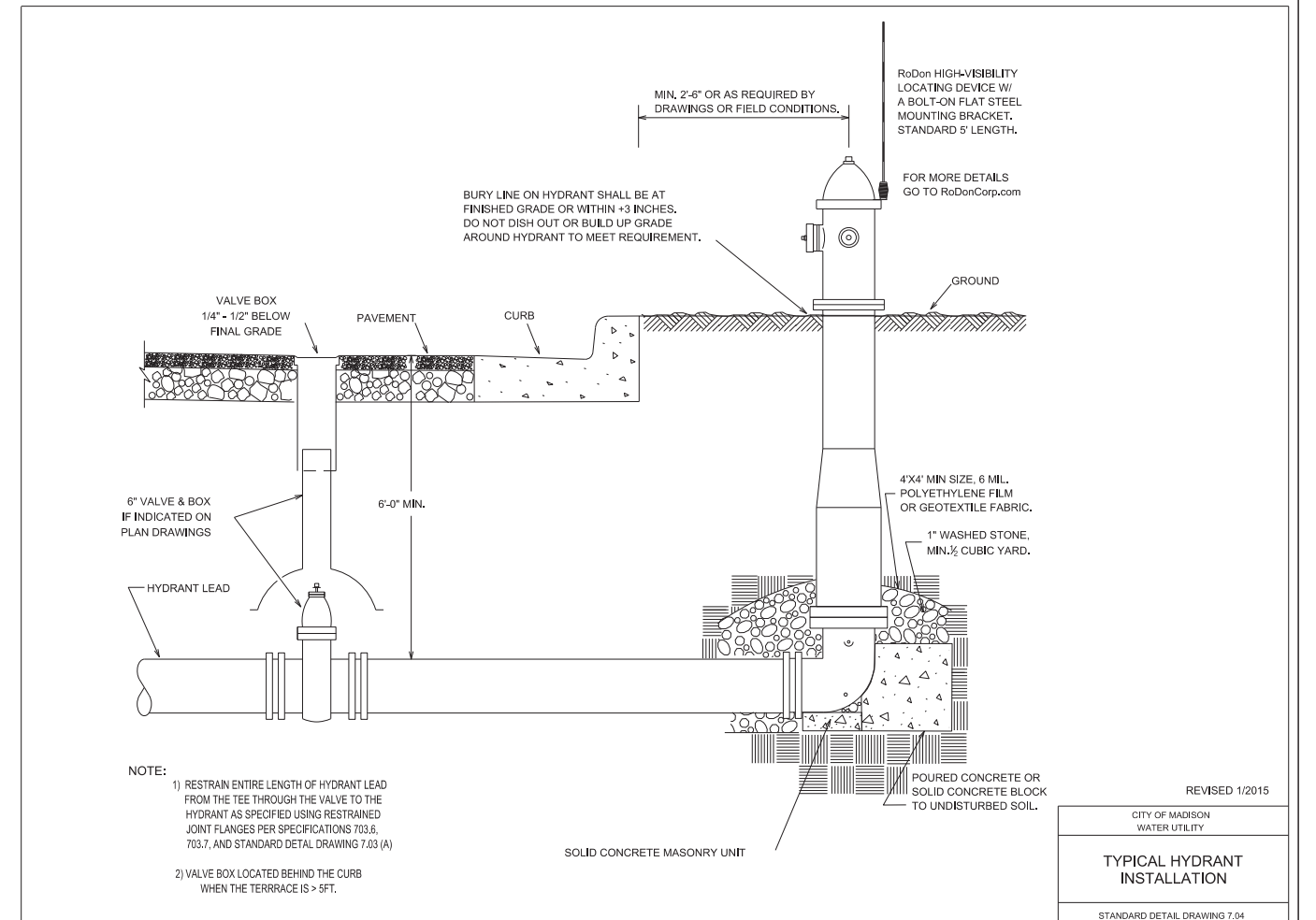
- | | |
|-----------------------|--------------------------|
| 2480-FT - 12-IN PIPE | 1 - 12-IN X 8-IN REDUCER |
| 2730-FT - POLYWRAP | 2 - 12-IN 11.25° BEND |
| 6 - 12-IN VALVE & BOX | 1 - 12-IN X 18-IN OFFSET |
| 6 - 12-IN X 6-IN TEE | 2 - 12-IN MJ PLUG |
| 2 - 12-IN X 8-IN TEE | |
| 2 - 12-IN X 12-IN TEE | 1 - 12-IN MJ CAP |

ESTIMATE OF MATERIALS SALVAGED:

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

- 1 - 8-IN MJ PLUG

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

ELDERBERRY ROAD

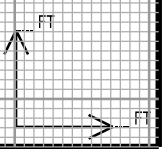
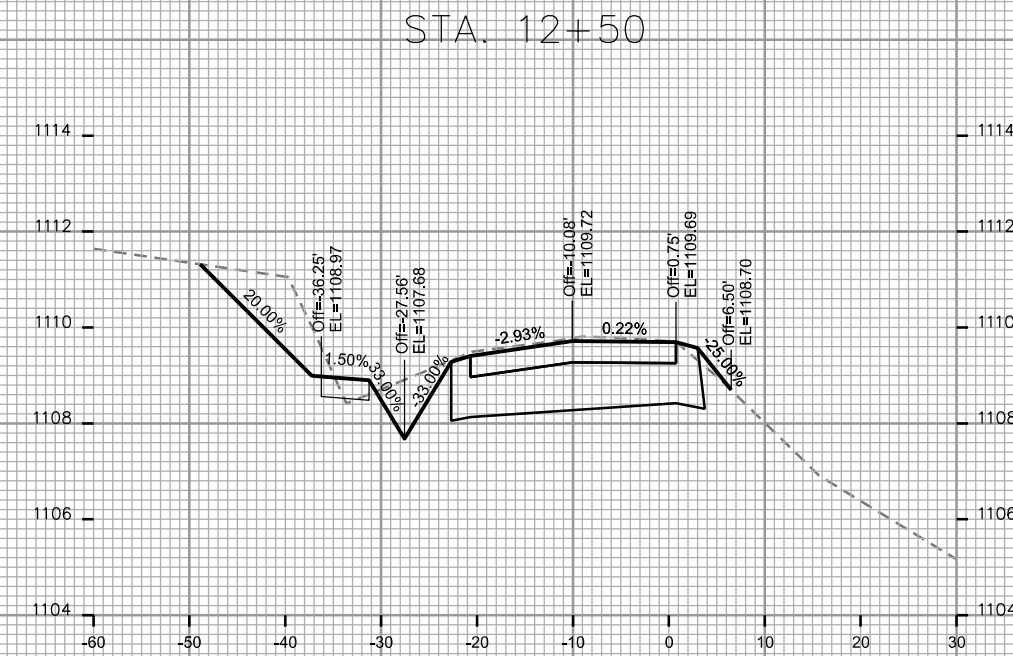
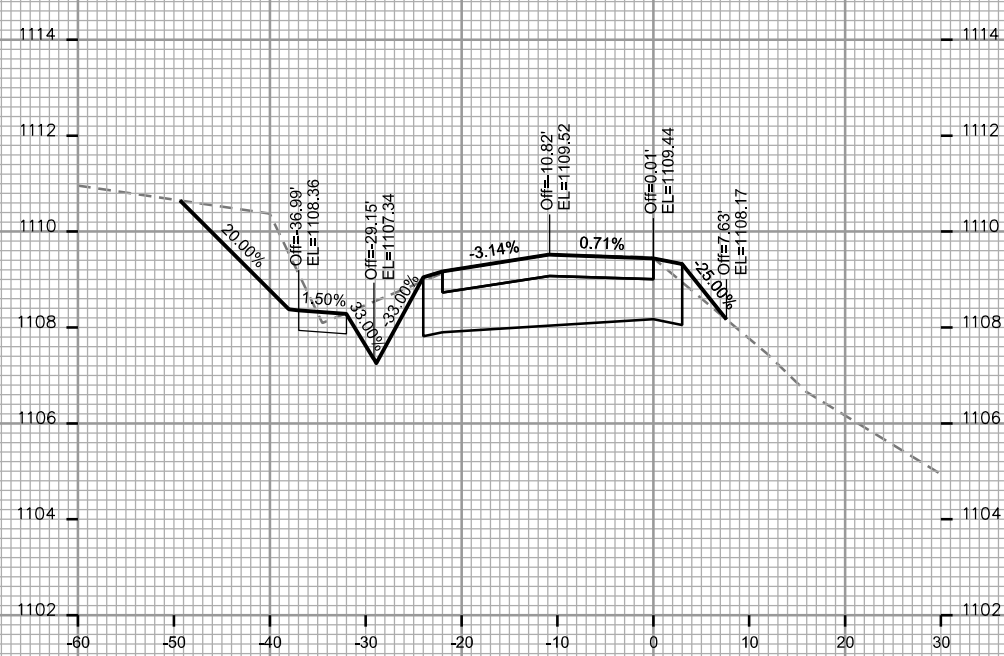
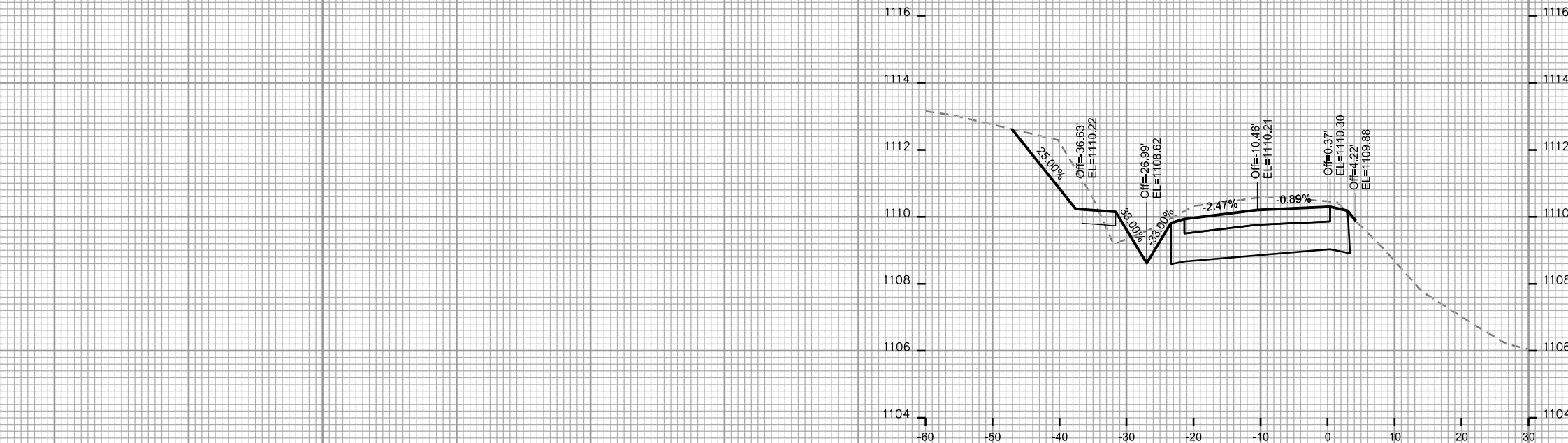
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

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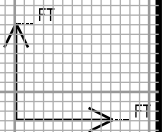
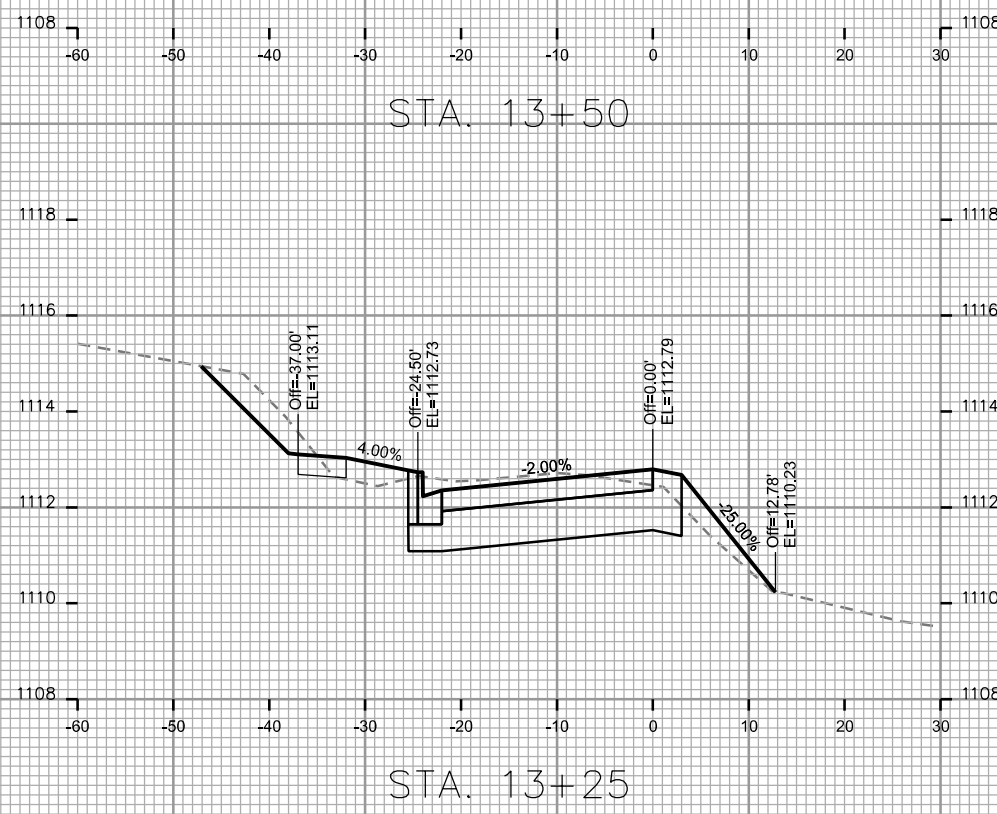
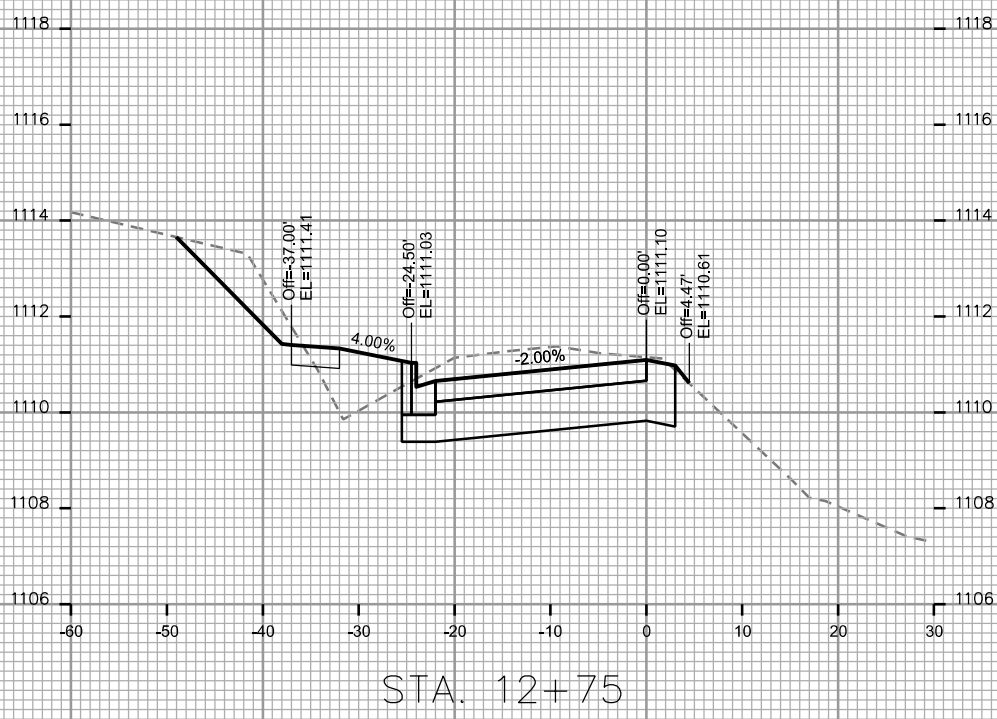
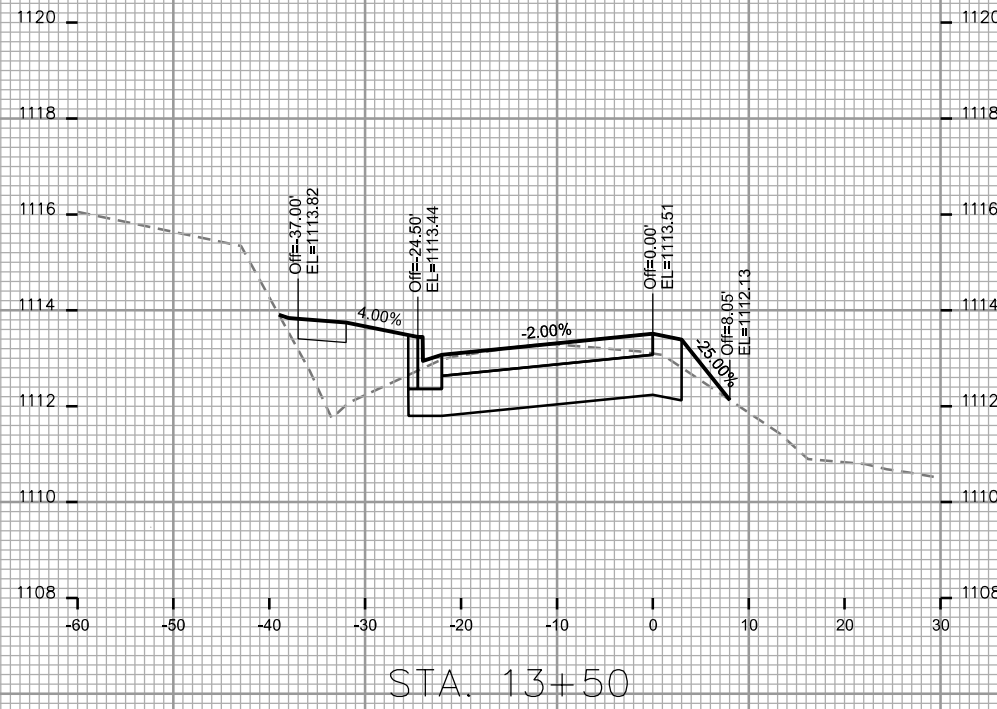
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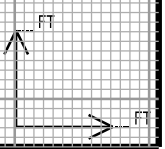
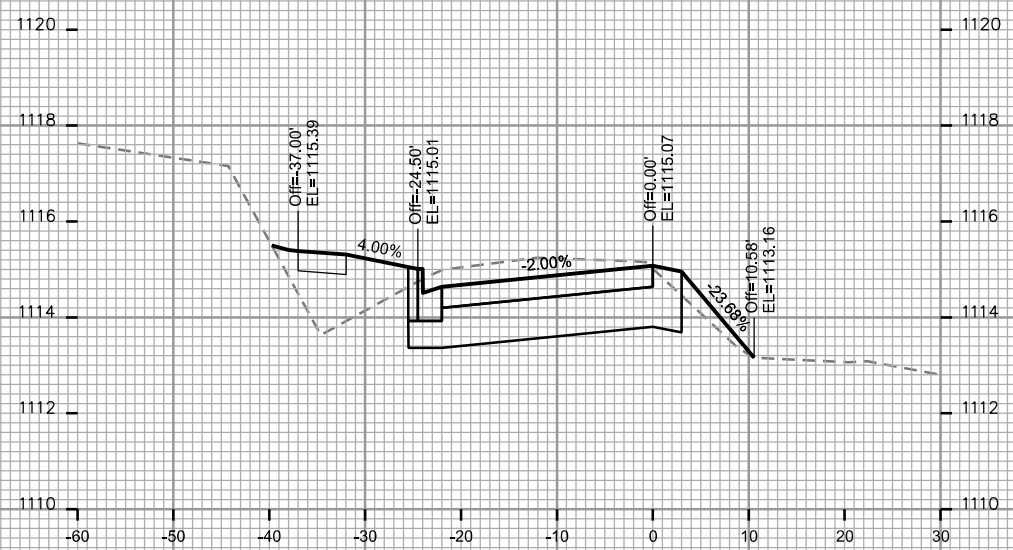
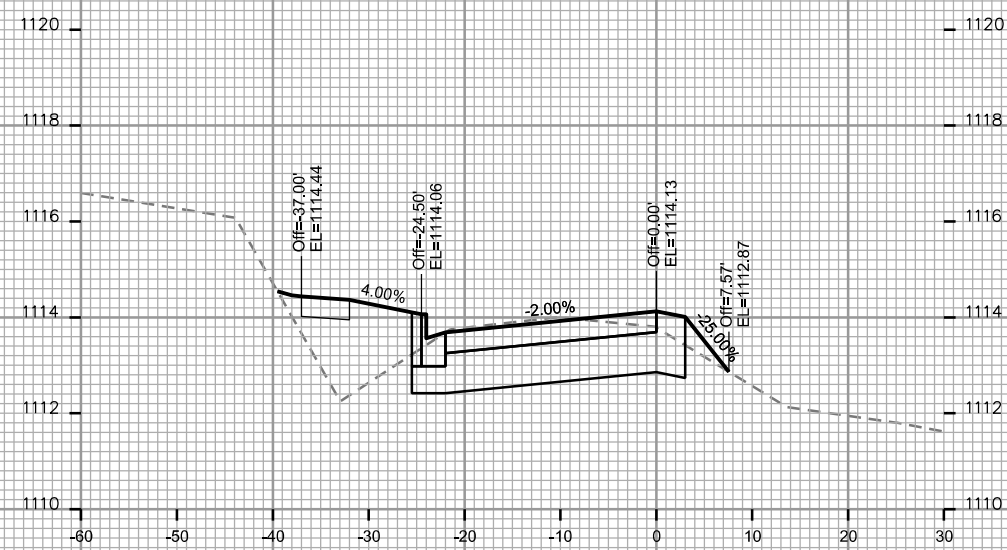
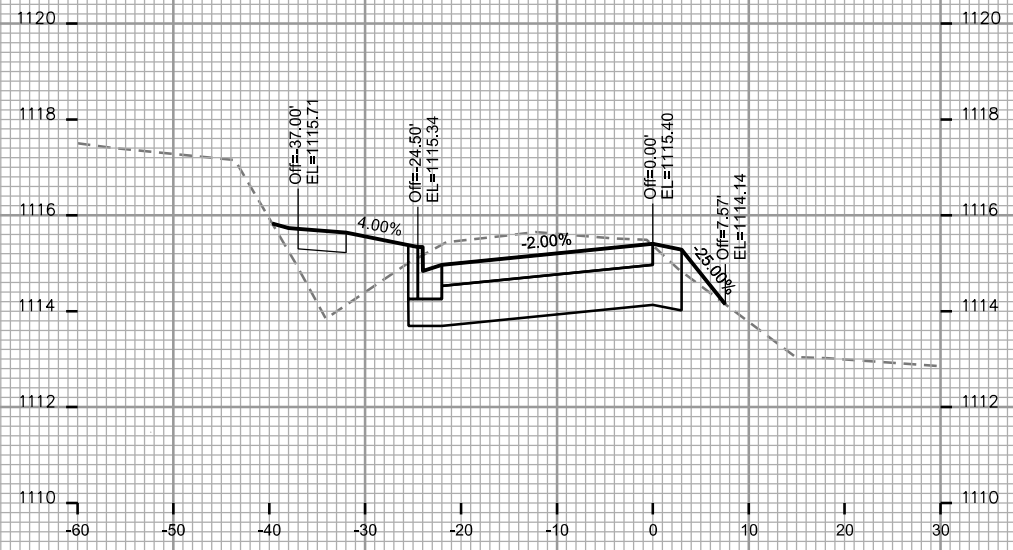
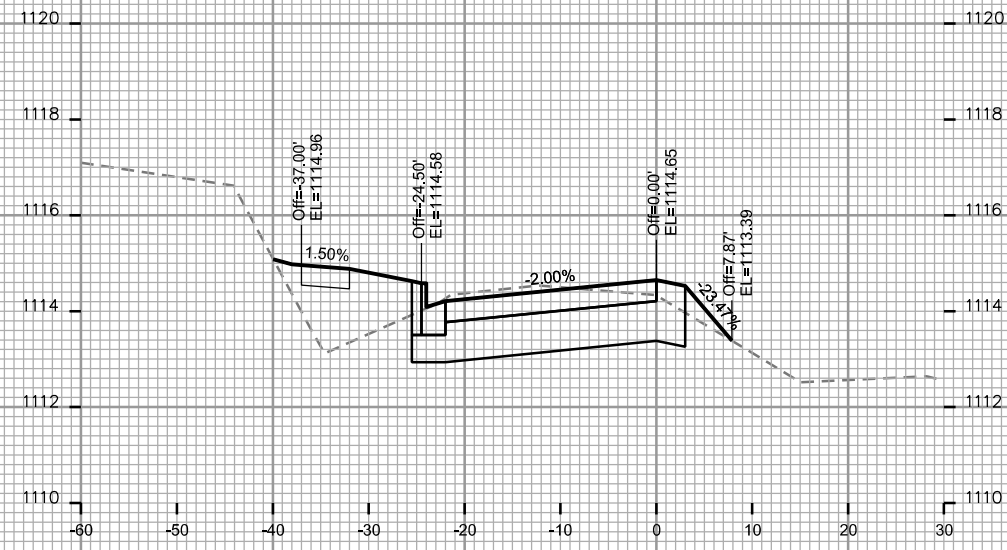
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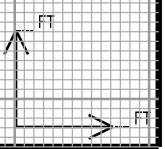
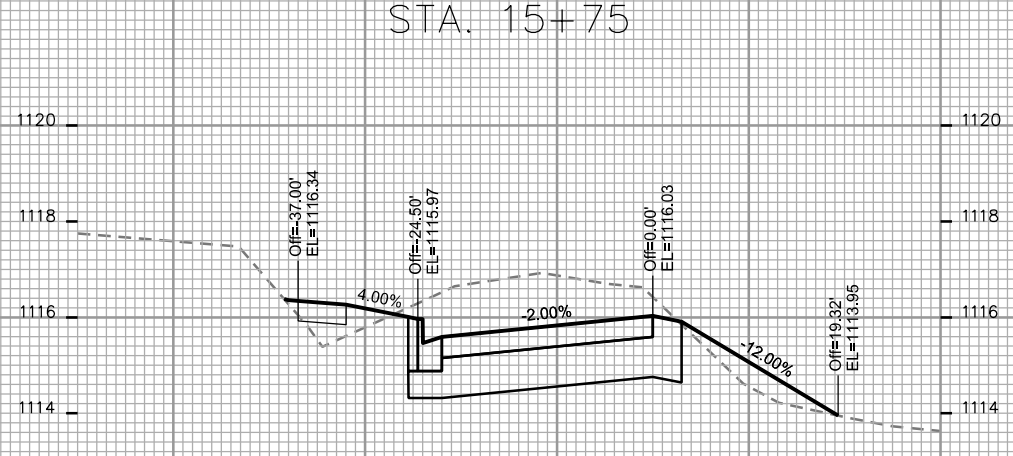
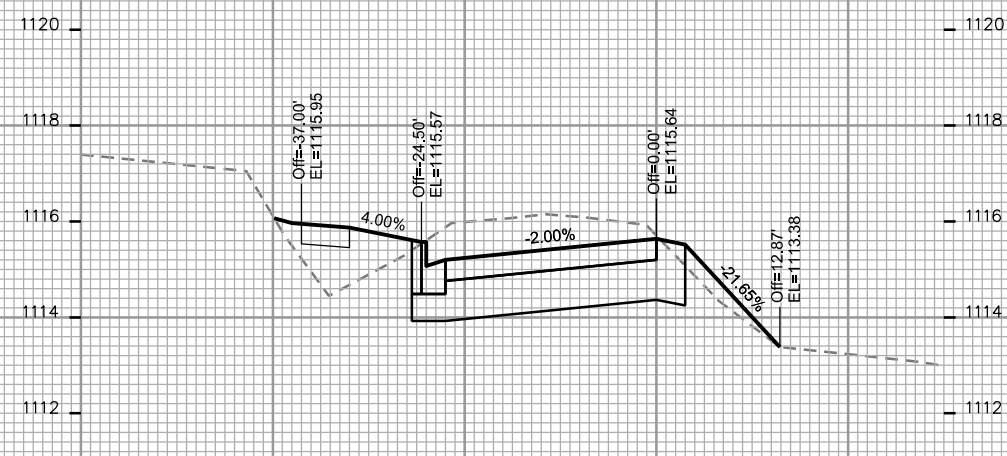
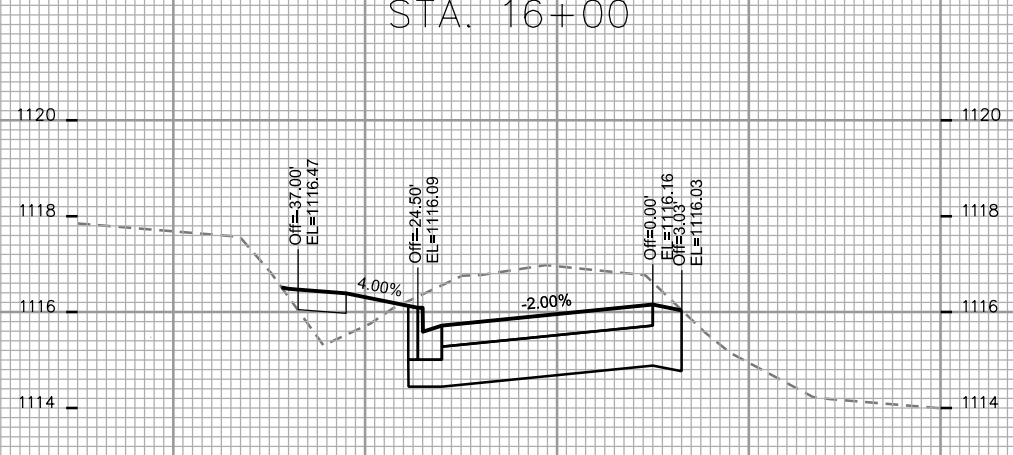
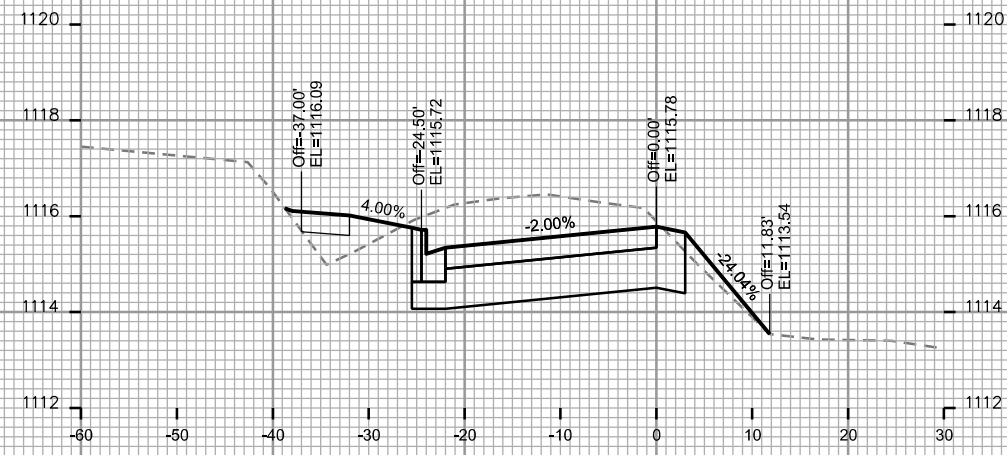
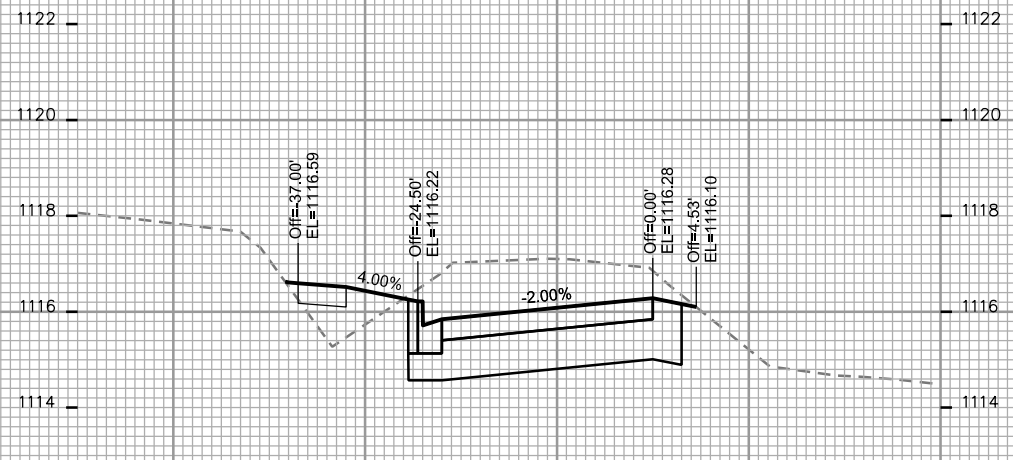
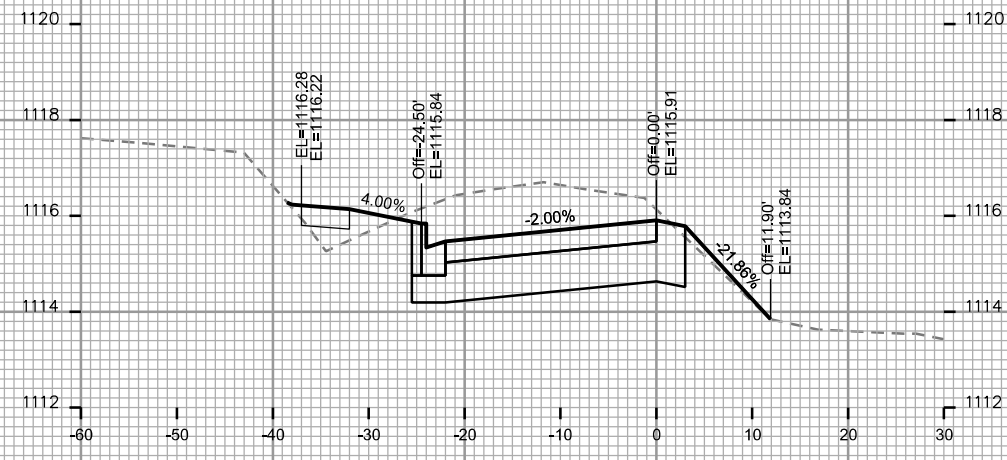
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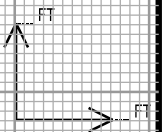
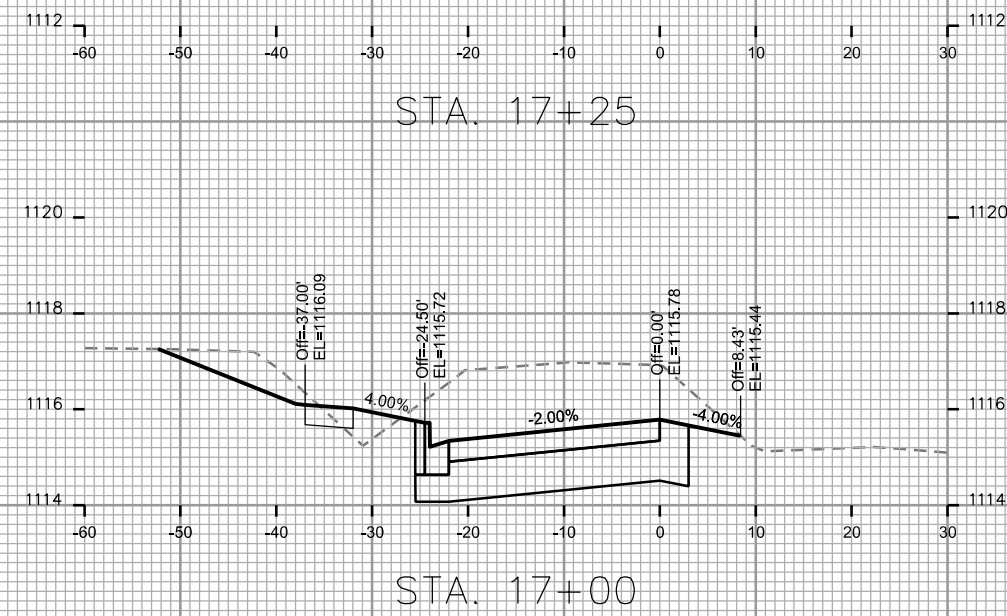
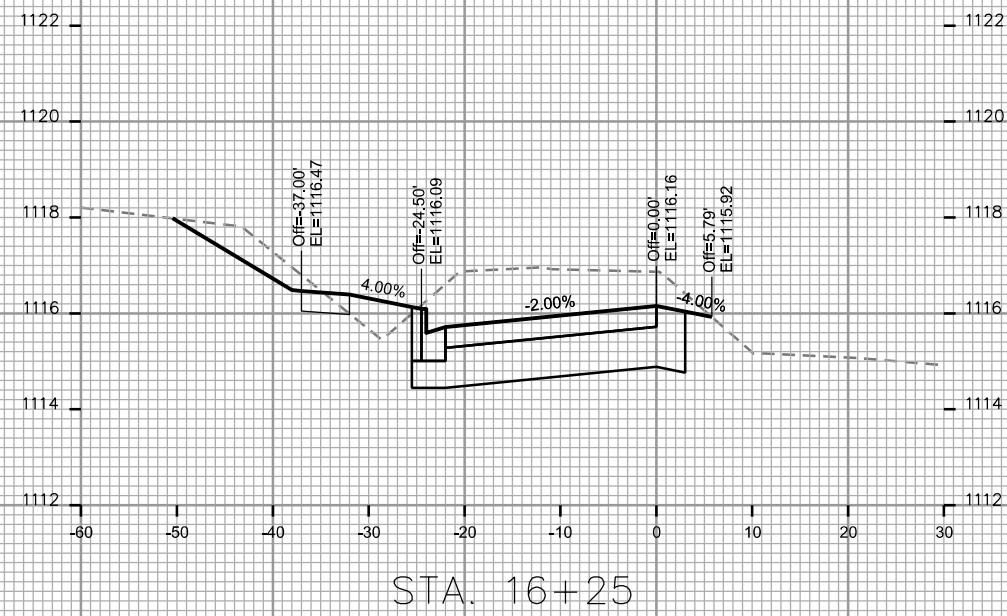
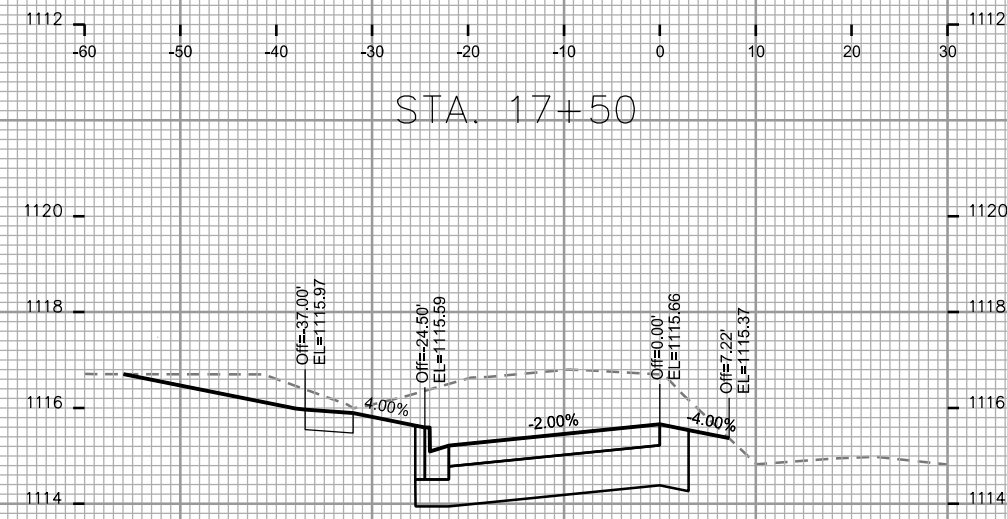
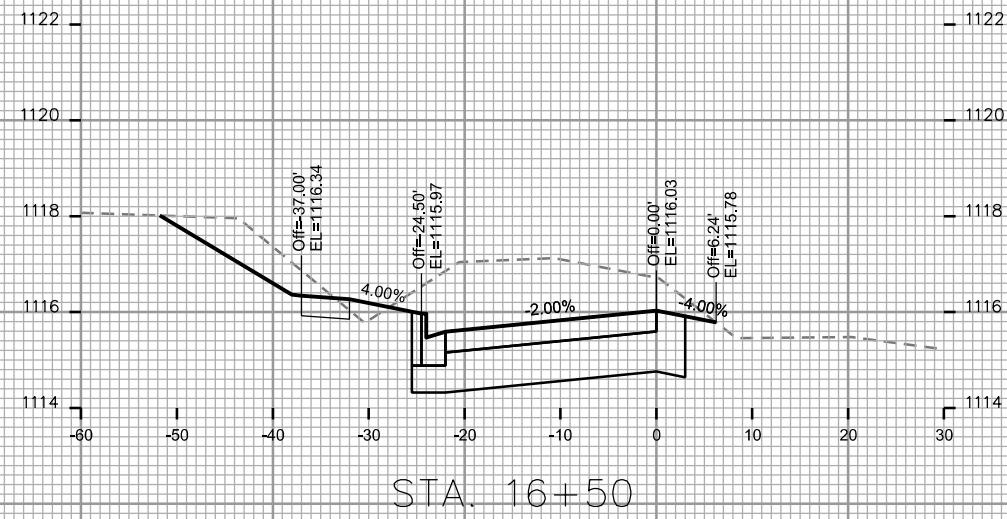
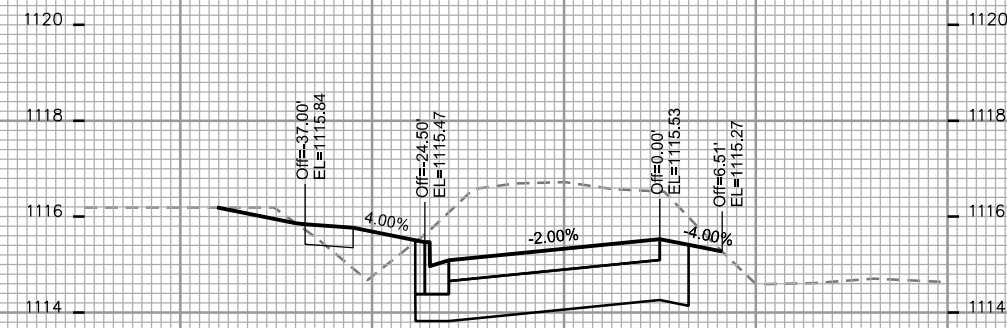
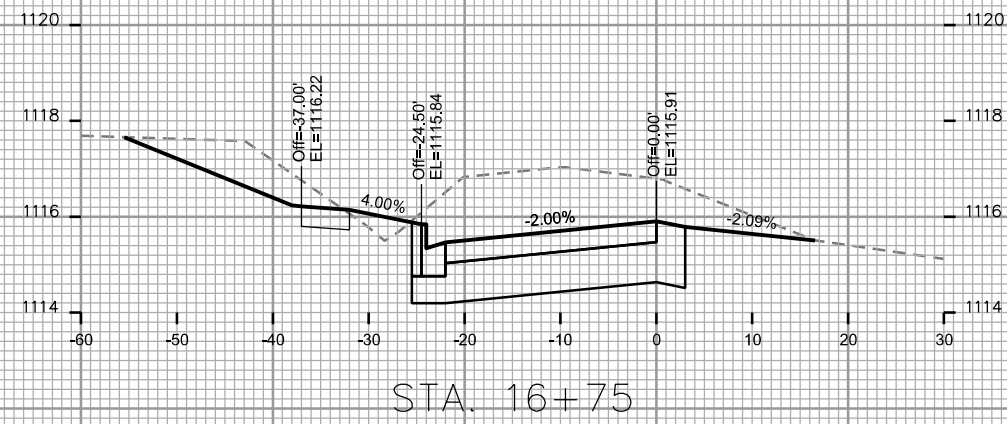
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CITY OF MADISON



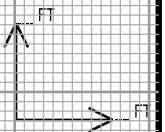
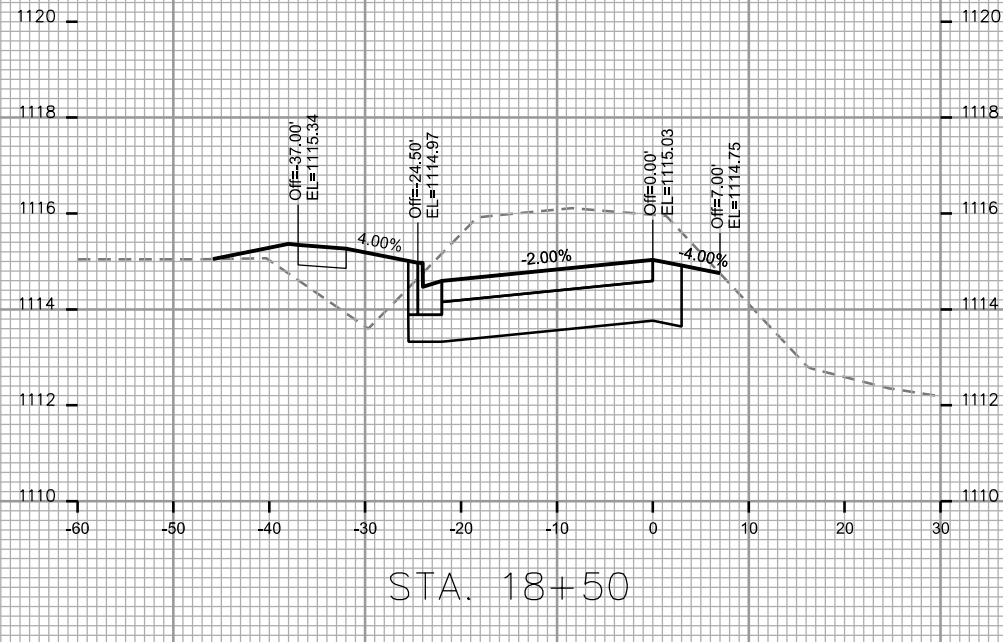
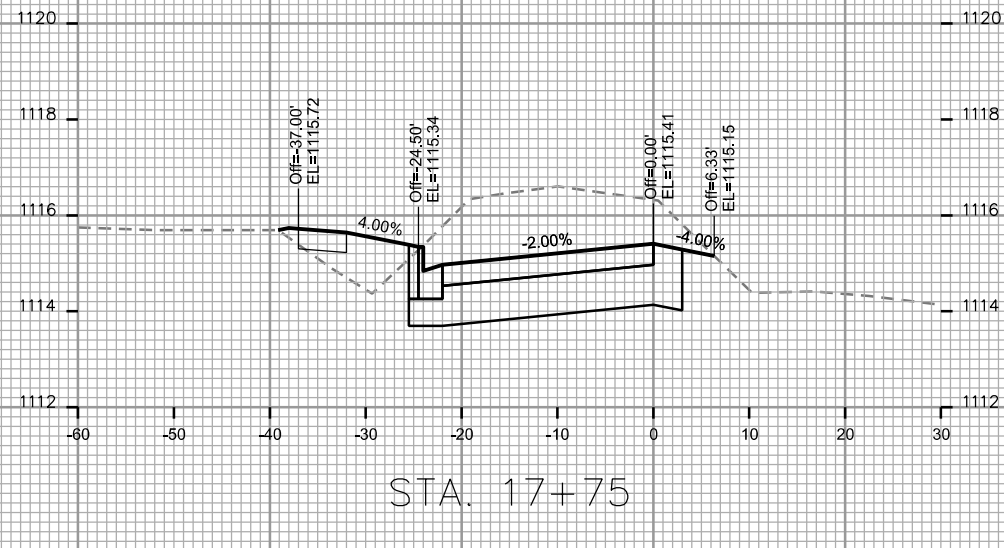
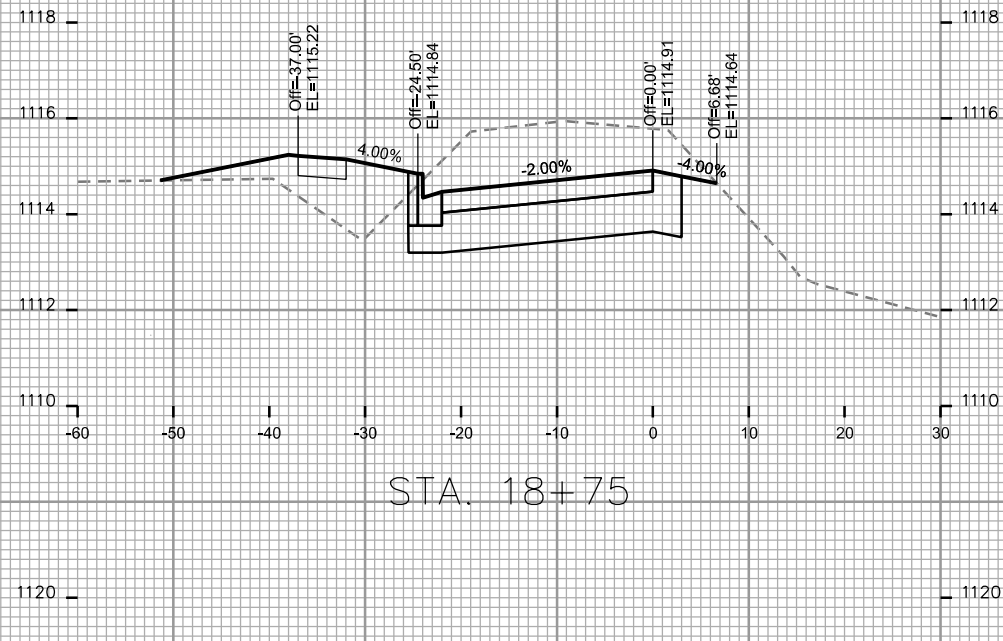
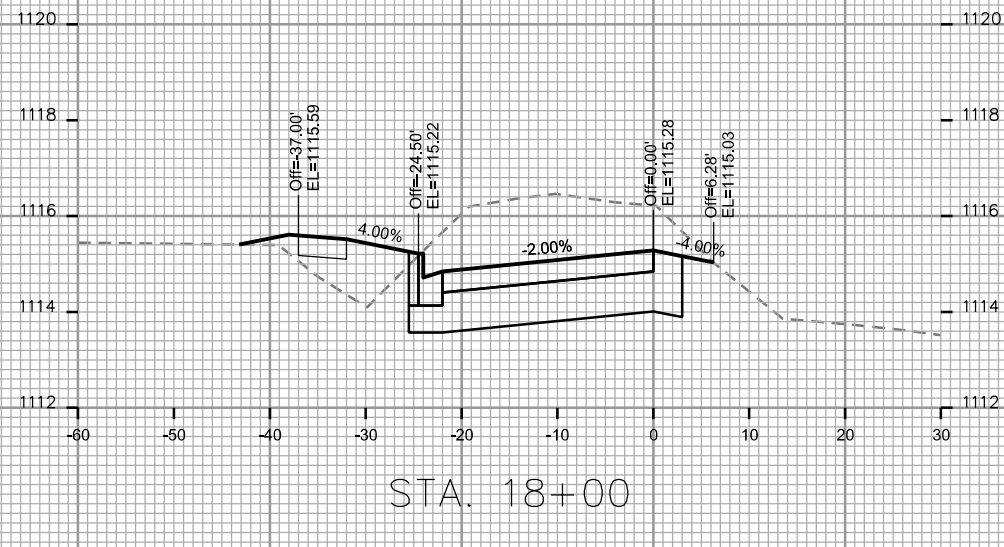
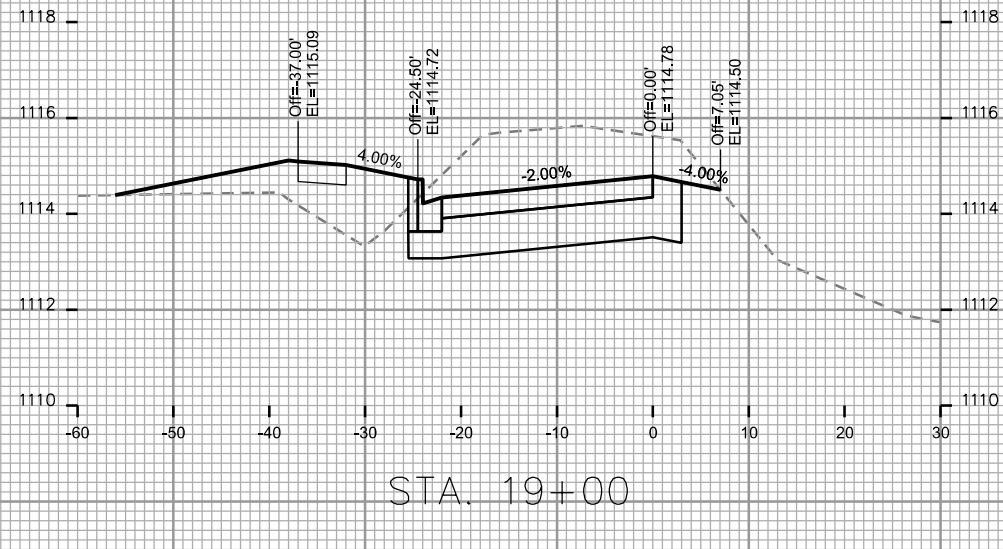
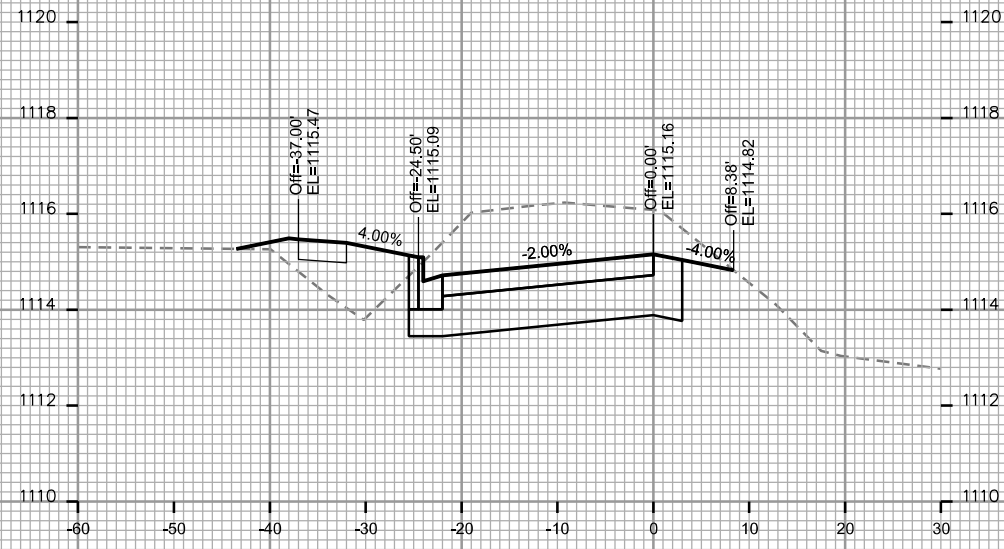
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CROSS SECTIONS
ELDERBERRY ROAD CITY OF MADISON



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CROSS SECTIONS

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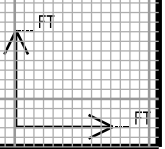
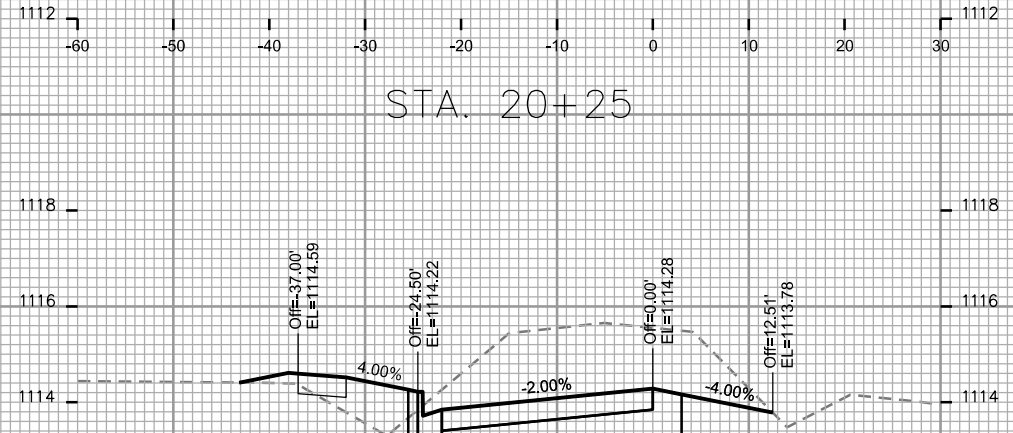
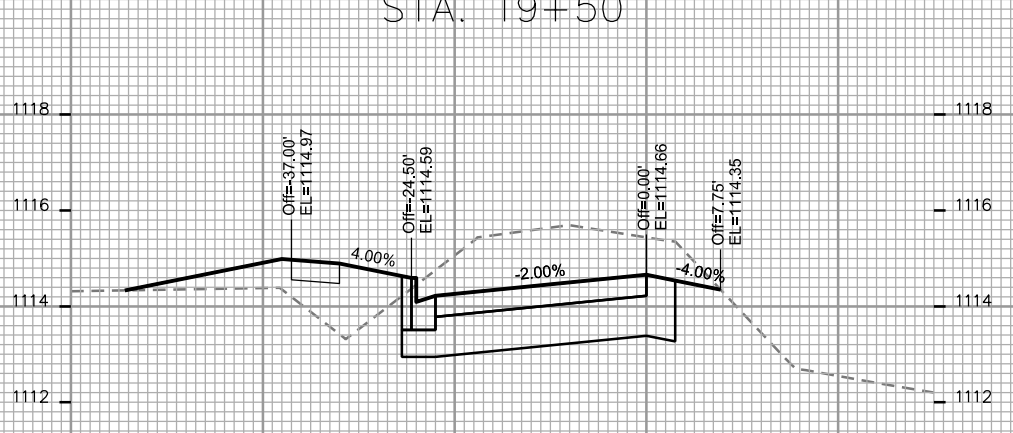
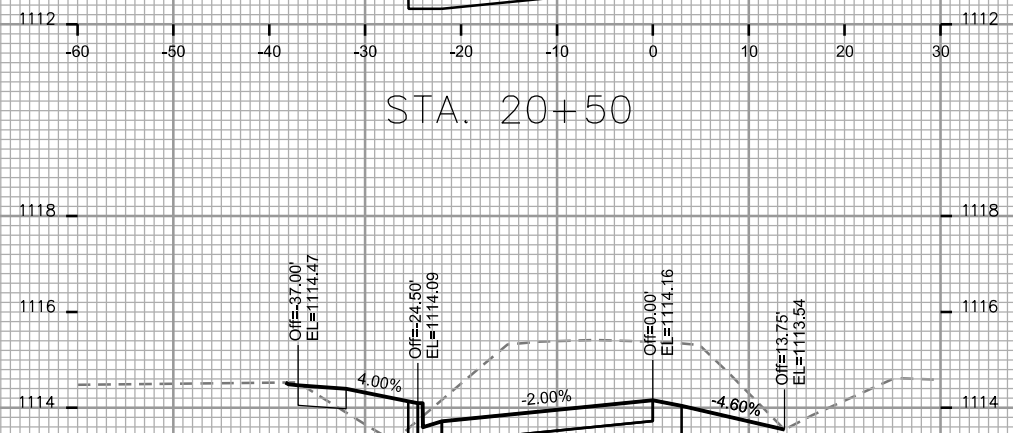
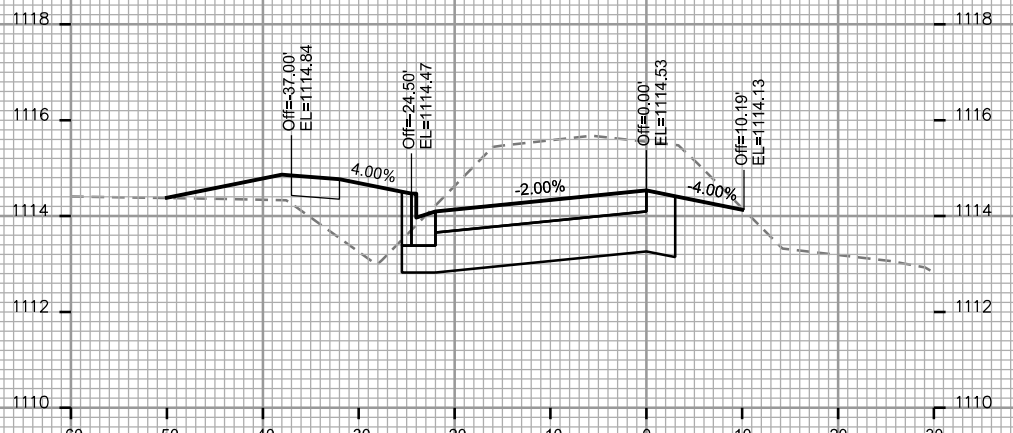
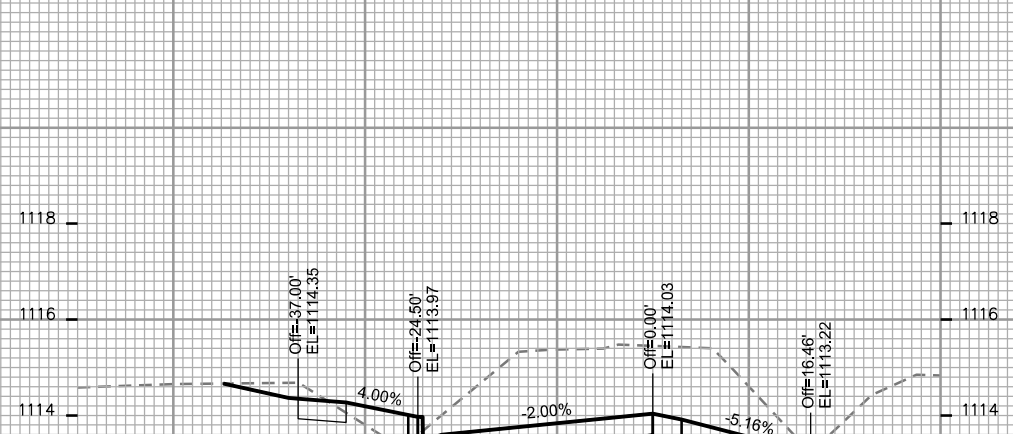
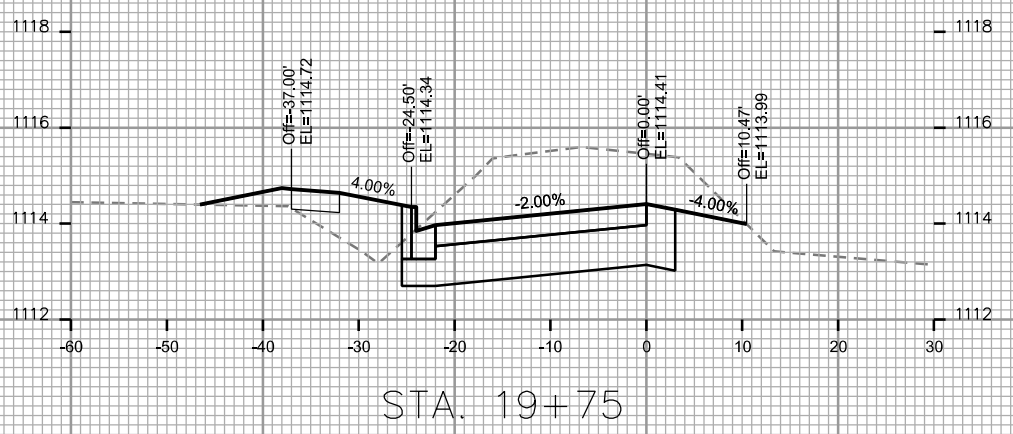
CITY OF MADISON

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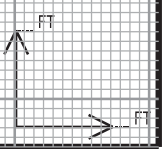
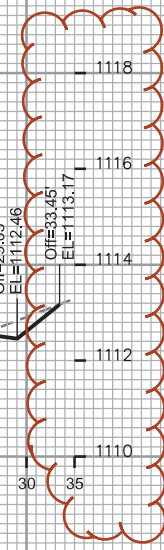
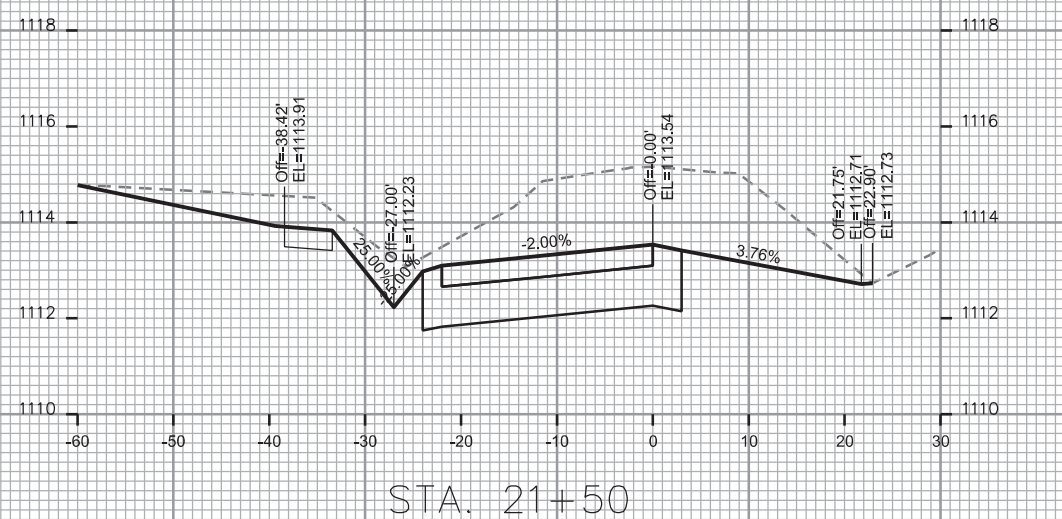
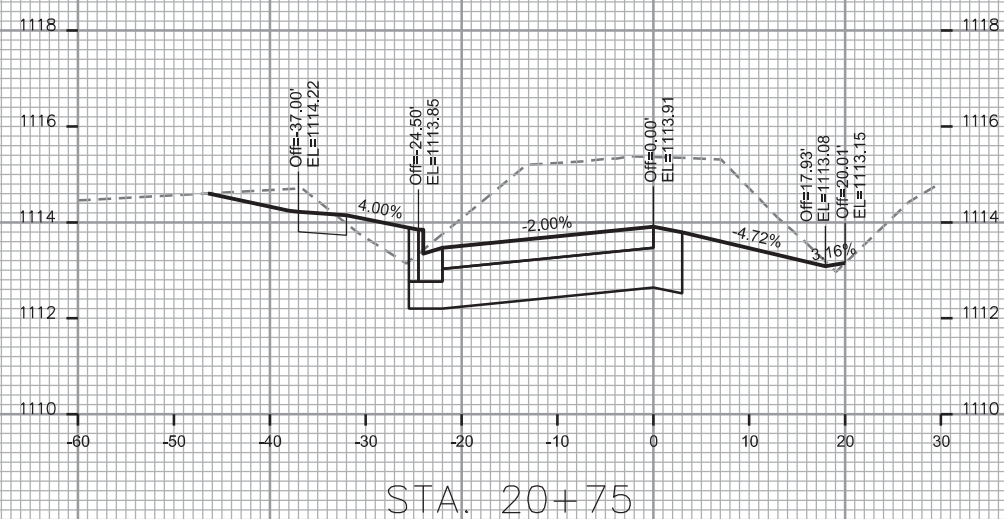
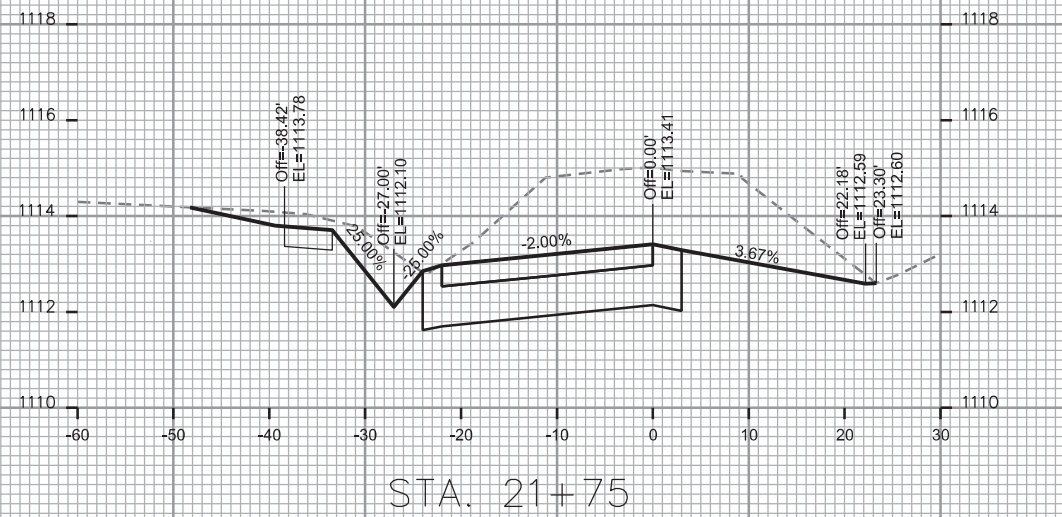
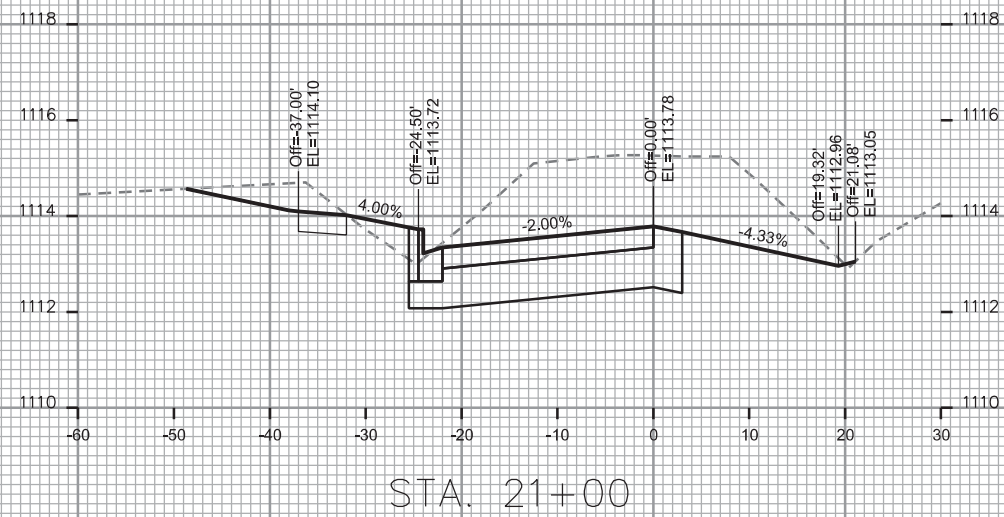
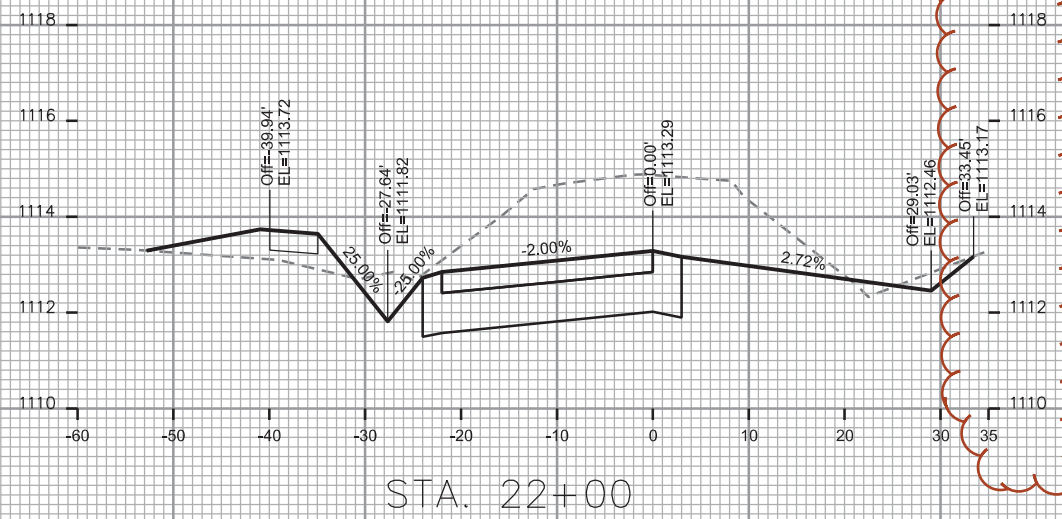
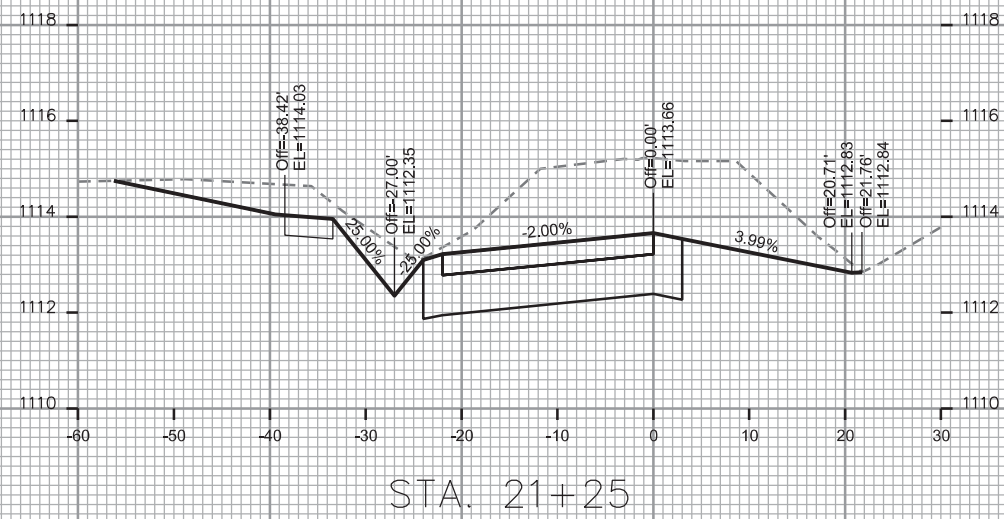
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CITY OF MADISON

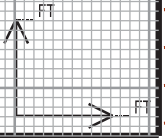
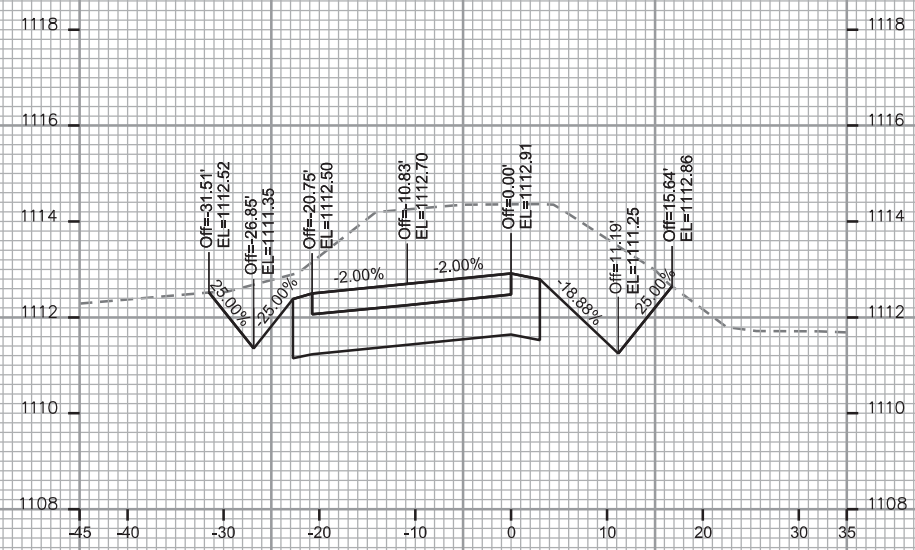
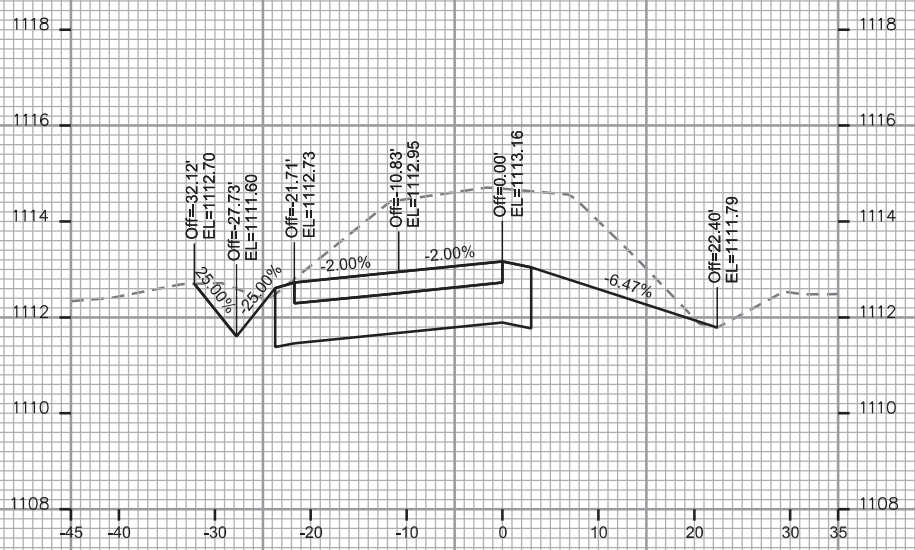
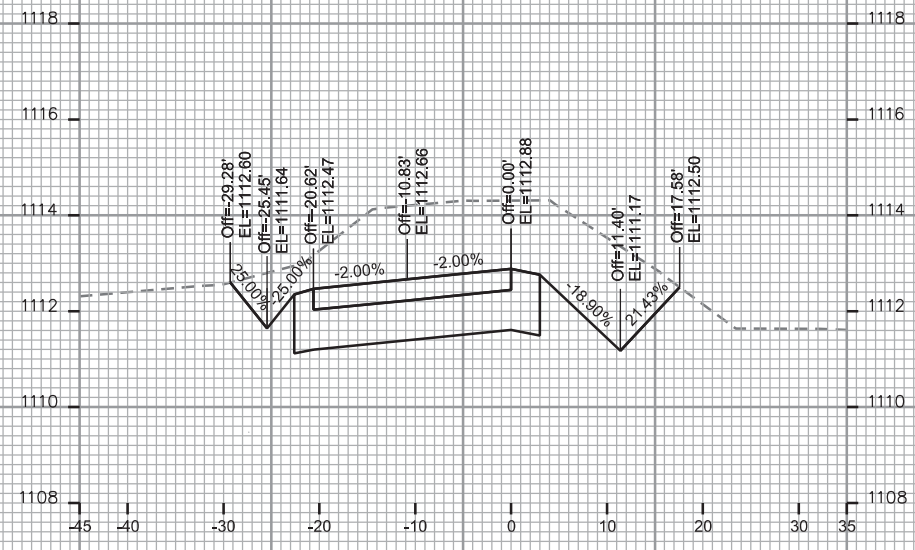
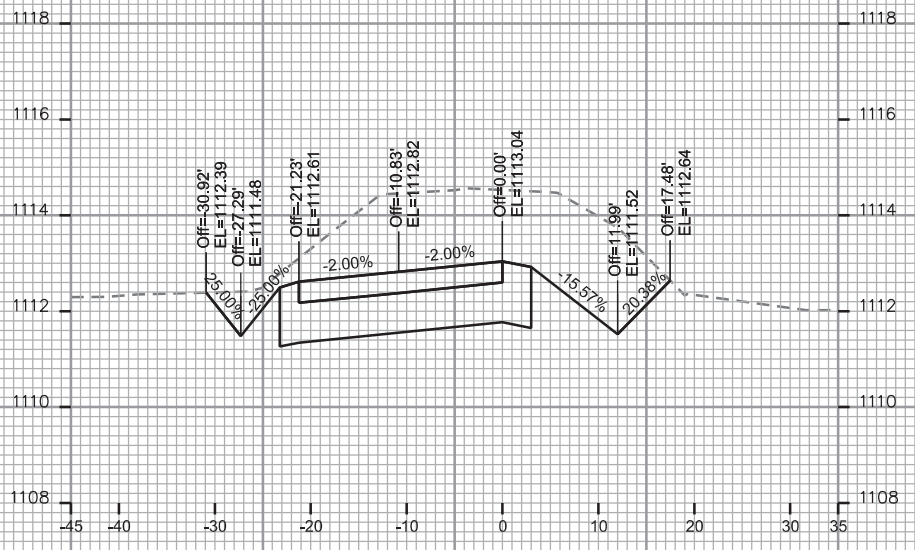
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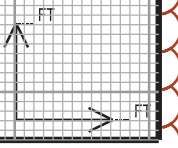
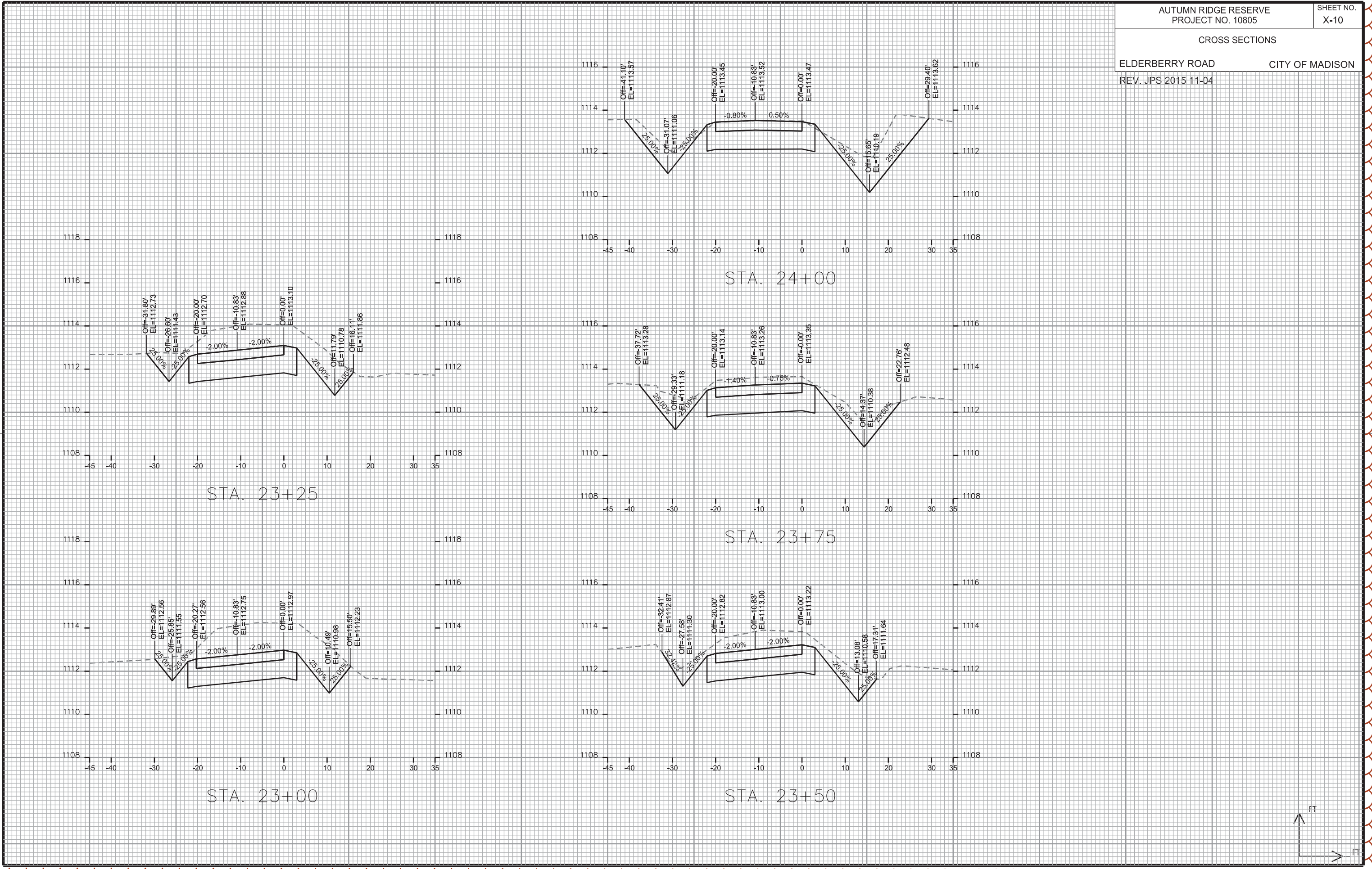
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ELDERBERRY ROAD CITY OF MADISON
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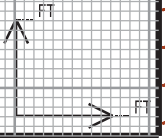
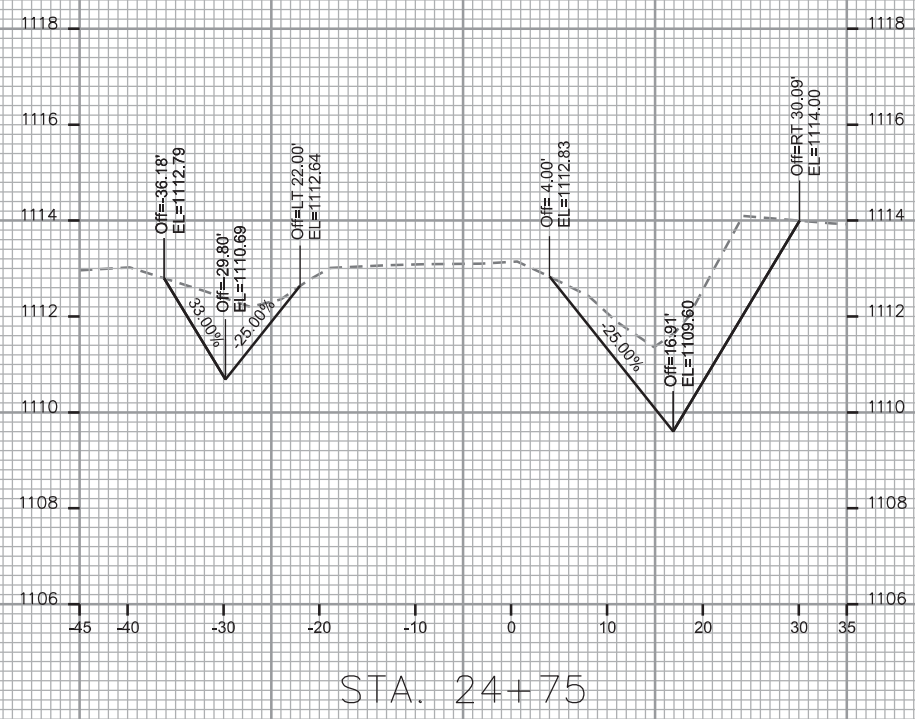
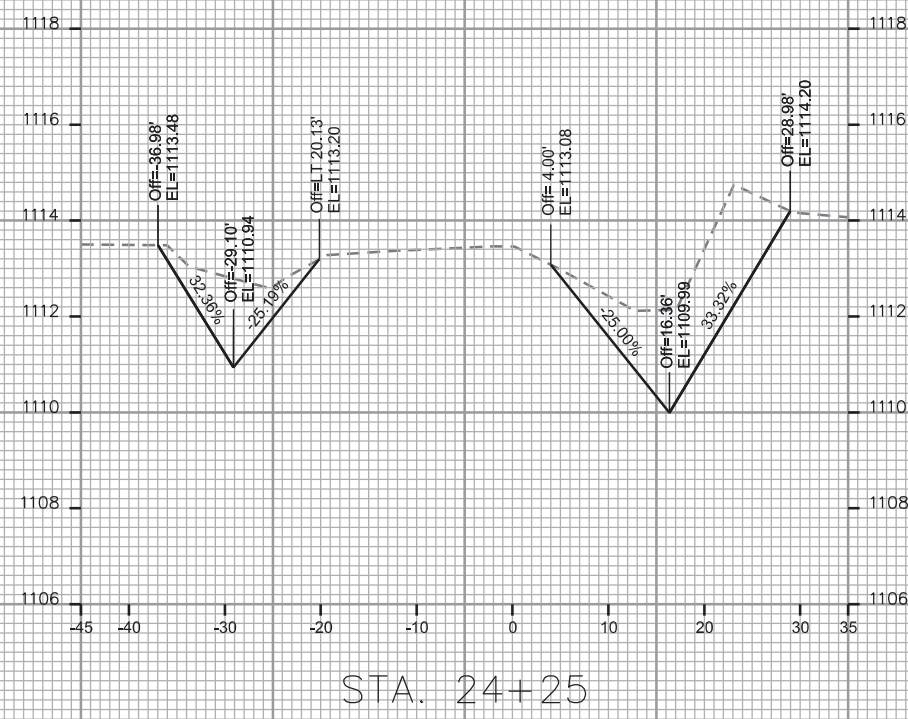
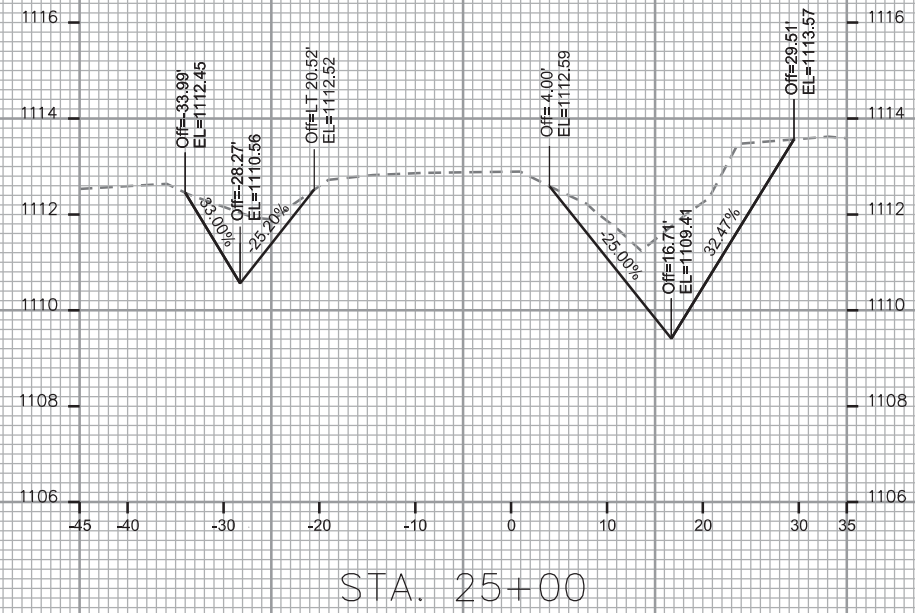
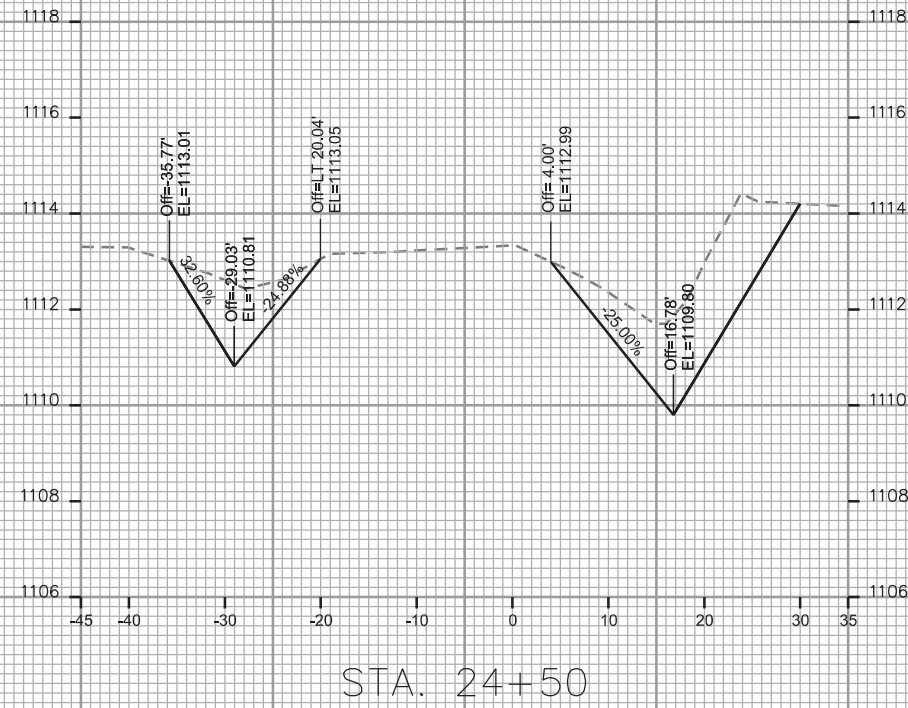


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CITY OF MADISON

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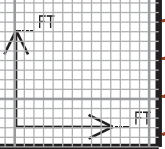
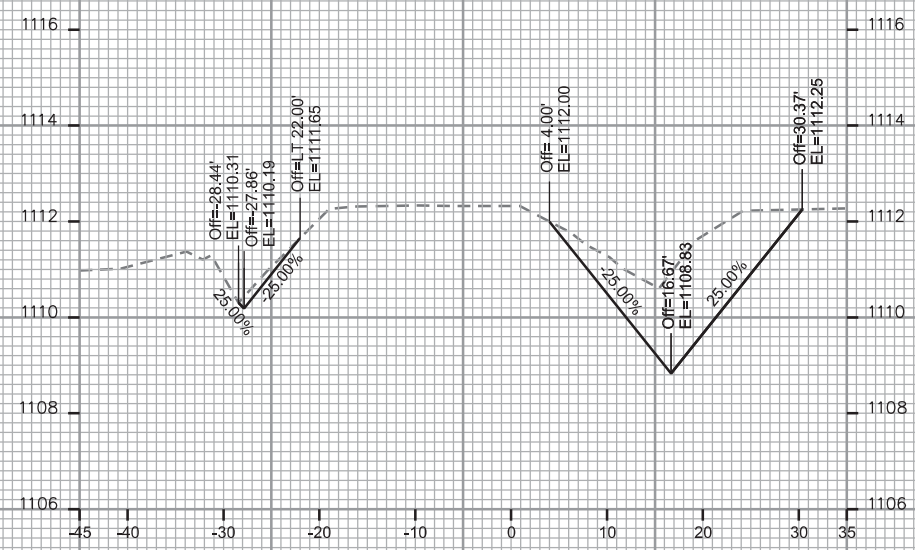
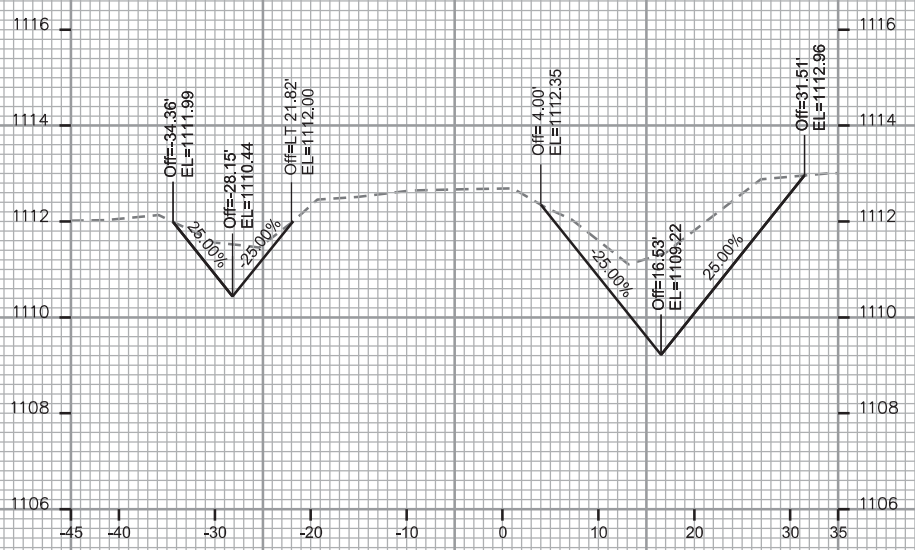
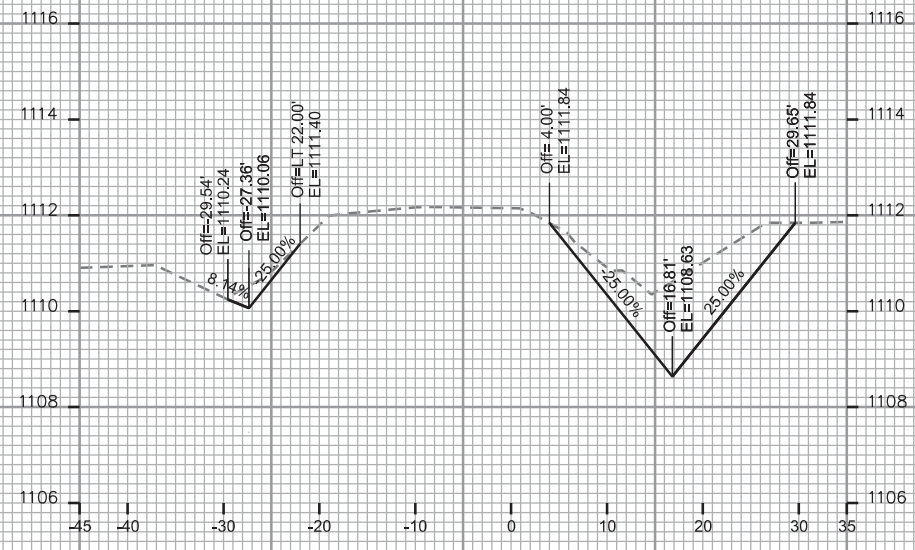
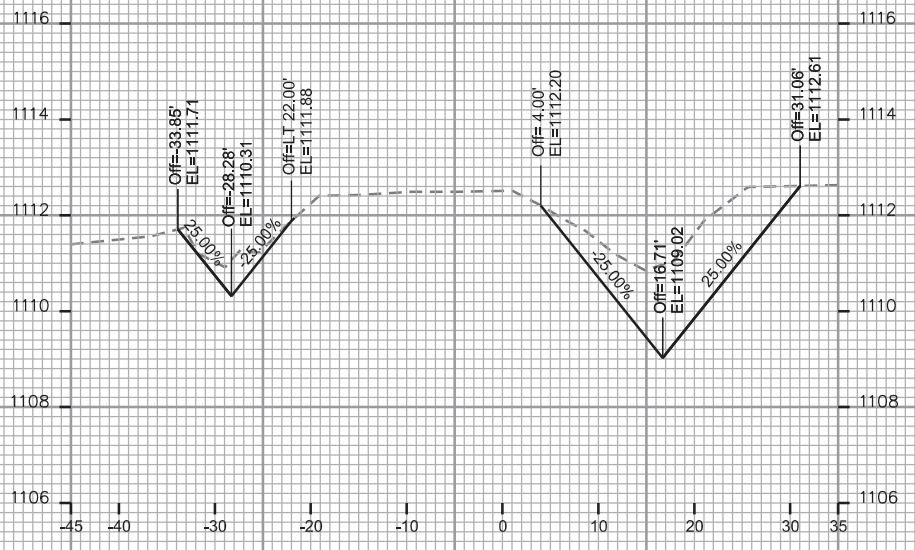
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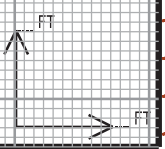
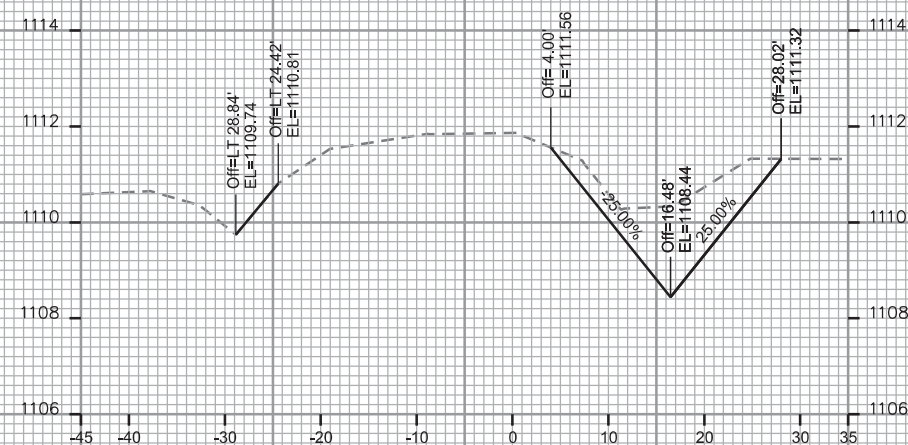
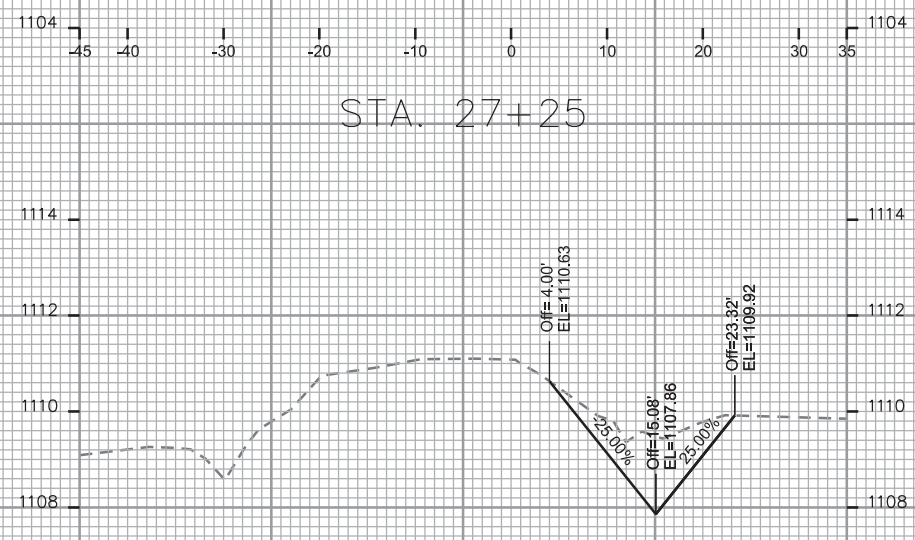
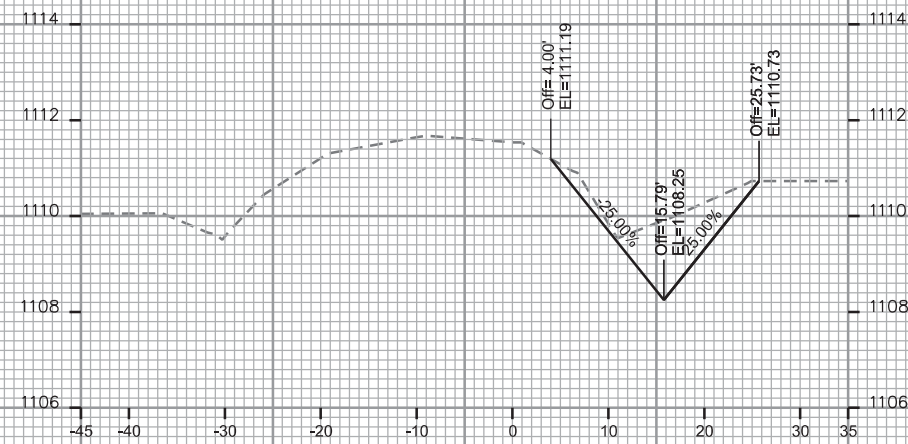
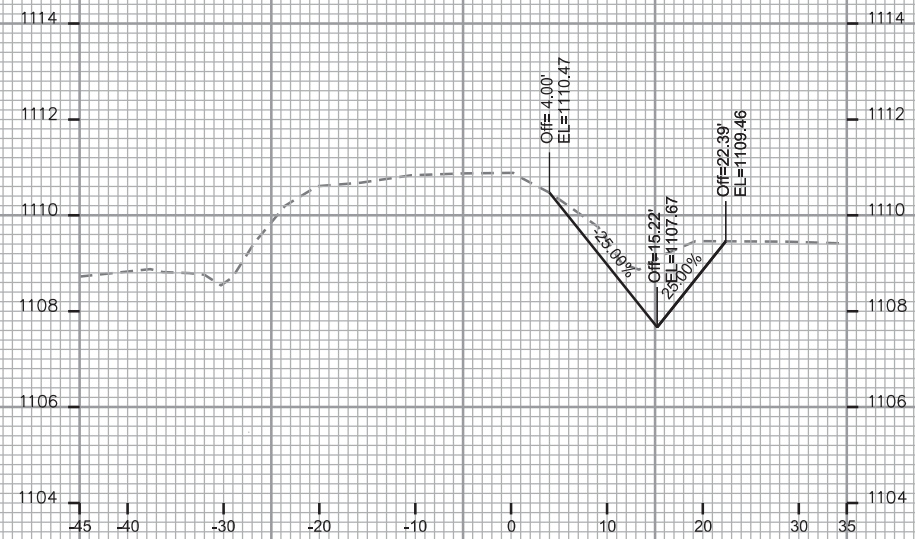
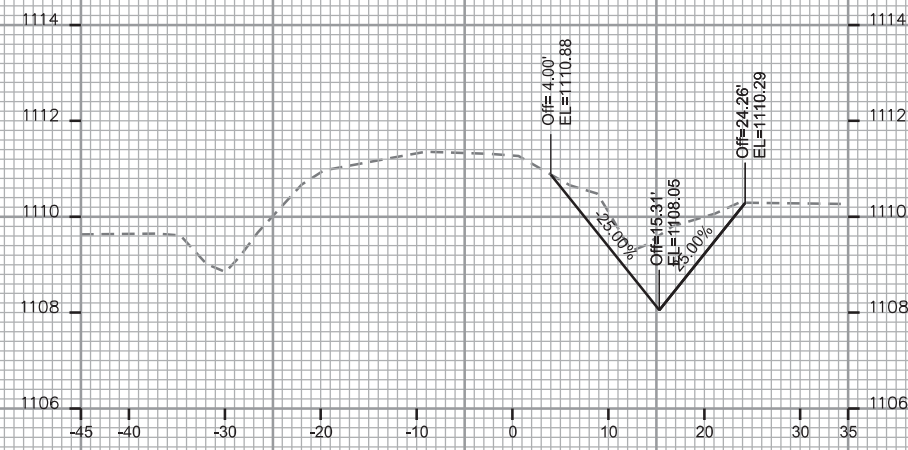


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ELDERBERRY ROAD

CITY OF MADISON

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ELDERBERRY ROAD

CITY OF MADISON

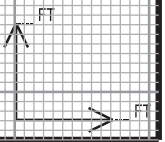
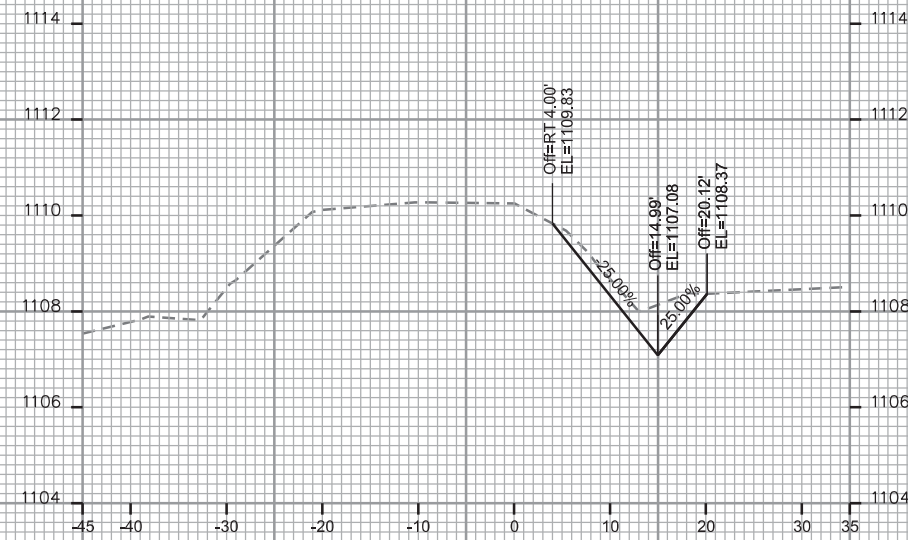
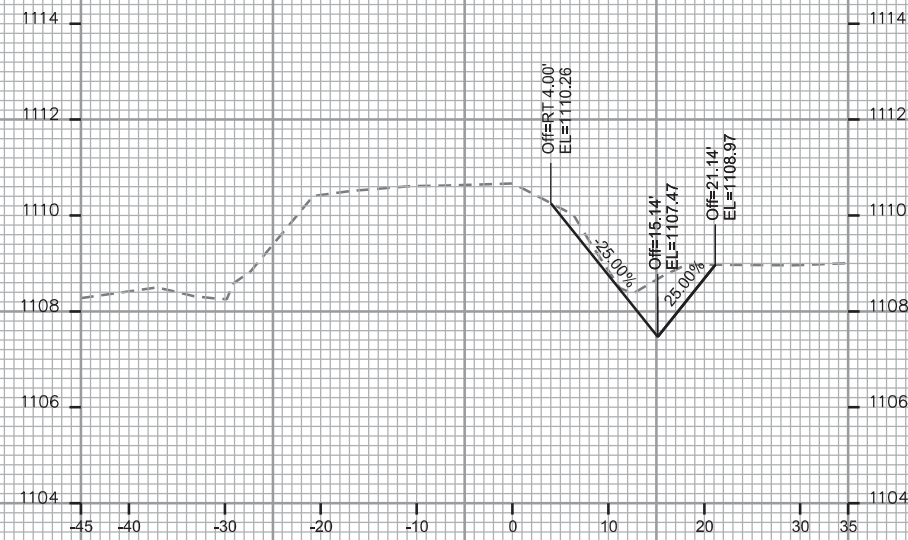
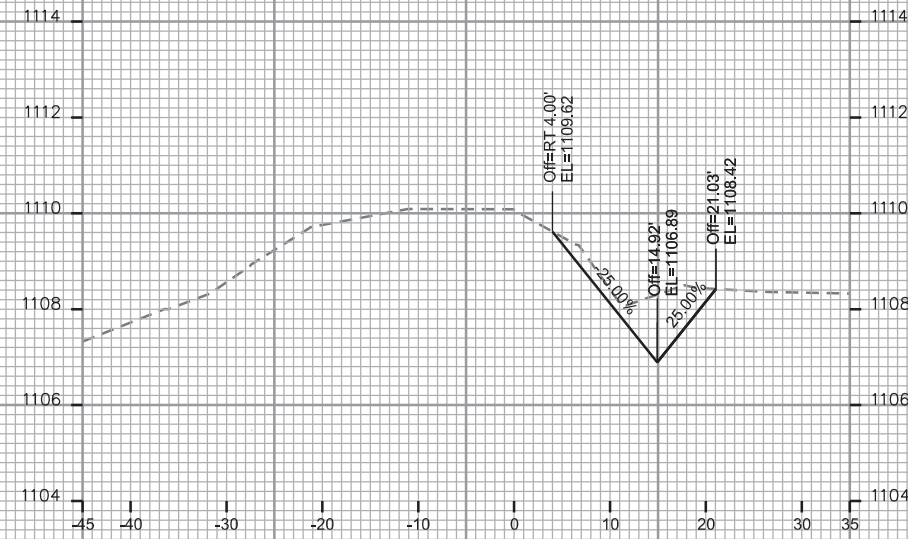
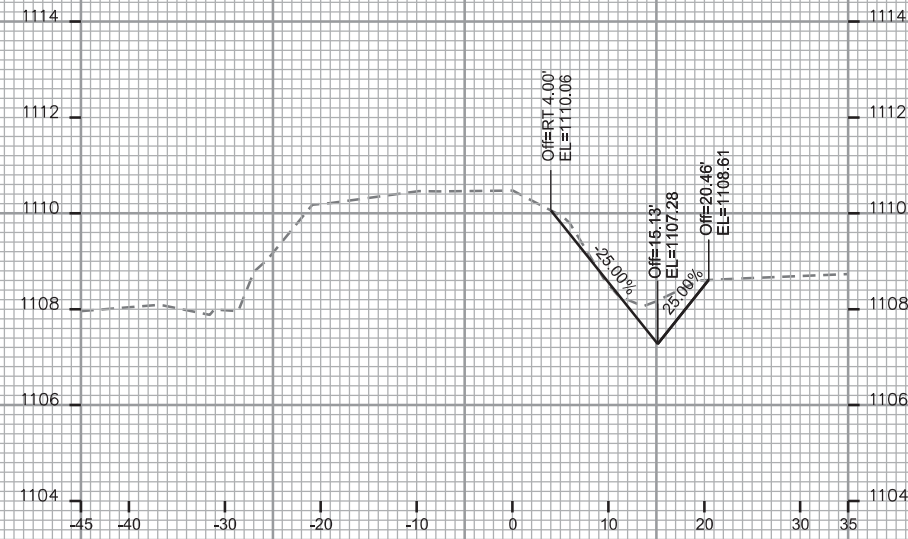
REV. JPS 2015 11-04

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

ELDERBERRY ROAD

CITY OF MADISON

REV. JPS 2015 11-04

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON STREETS DIVISION

