

Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT



EAGLE TRACE: PHASE 1
 CITY PROJECT NO. 11923
 CITY CONTRACT NO. 8179

PUBLIC IMPROVEMENT PROJECT APPROVED

MAY 21, 2018

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

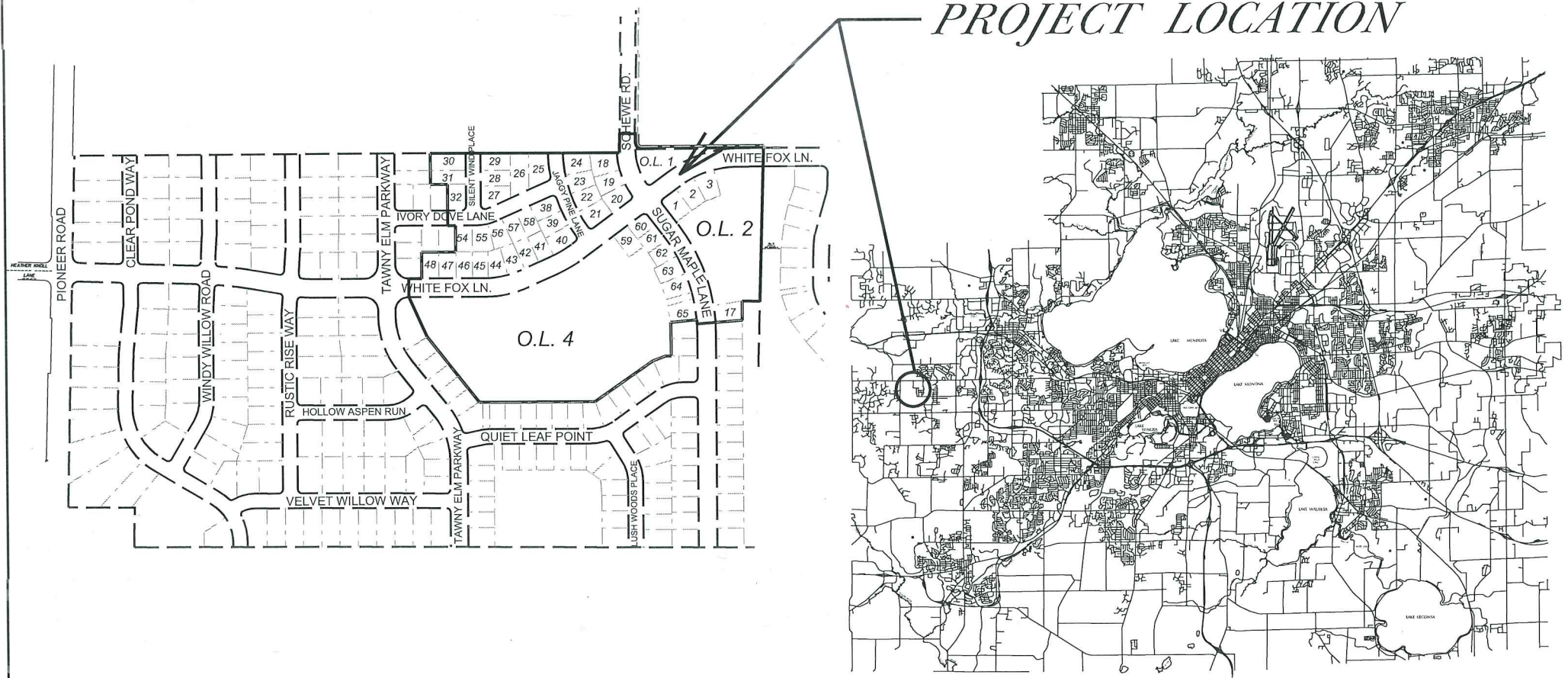
PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 8/16/18
 City Engineer Date

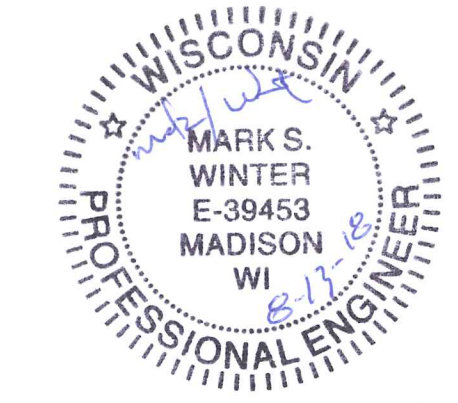
STREET GRADES DESIGNED BY:



PROJECT LOCATION



STREET GEOMETRICS DESIGNED BY:



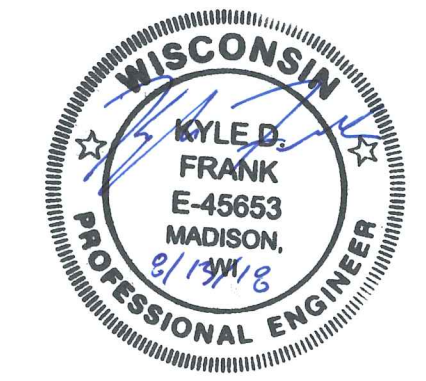
SANITARY SEWER DESIGNED BY:



WATER DESIGNED BY:



STORM SEWER DESIGNED BY:



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.

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

ALL PAVEMENT IN THE JAGGY PINE LANE, IVORY DOVE WAY, AND SILENT WIND PLACE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE WHITE FOX LANE RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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

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

ALL GUTTERS SHALL DRAIN WITH A MINIMUM 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 TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.03. 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.

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

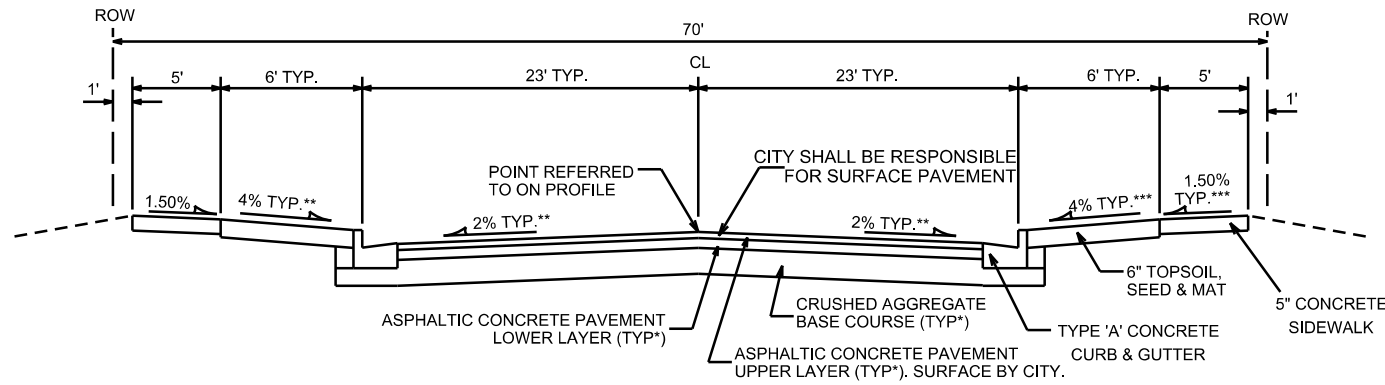
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	—— G ——
STORM SEWER	—— ST ——
SANITARY SEWER	—— SAN ——
WATER	—— W ——
OVERHEAD ELECTRIC	—— OH ——
POWER POLE	⊕
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

PLOT SCALE: _____

PLOT NAME: _____

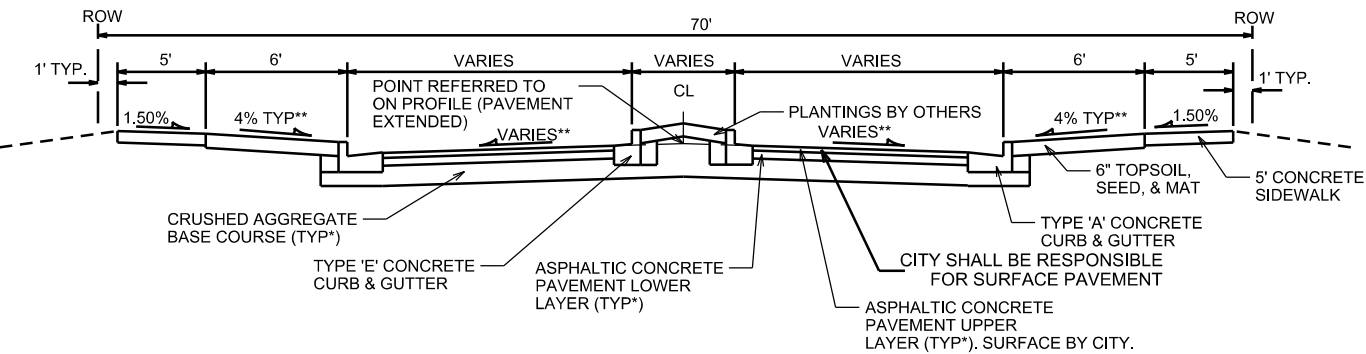
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



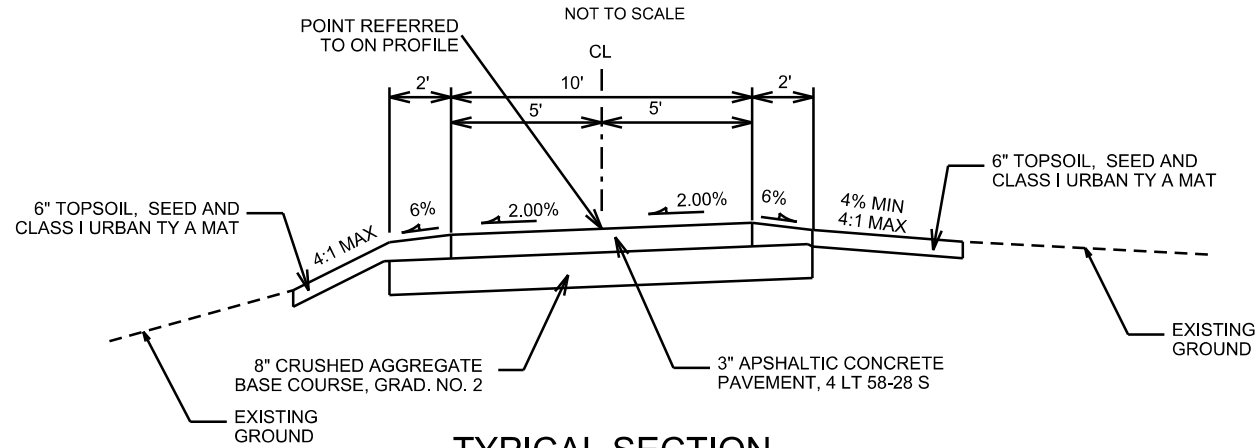
TYPICAL SECTION

SUGAR MAPLE LANE / SCHEUWE ROAD
& WHITE FOX LANE
NOT TO SCALE



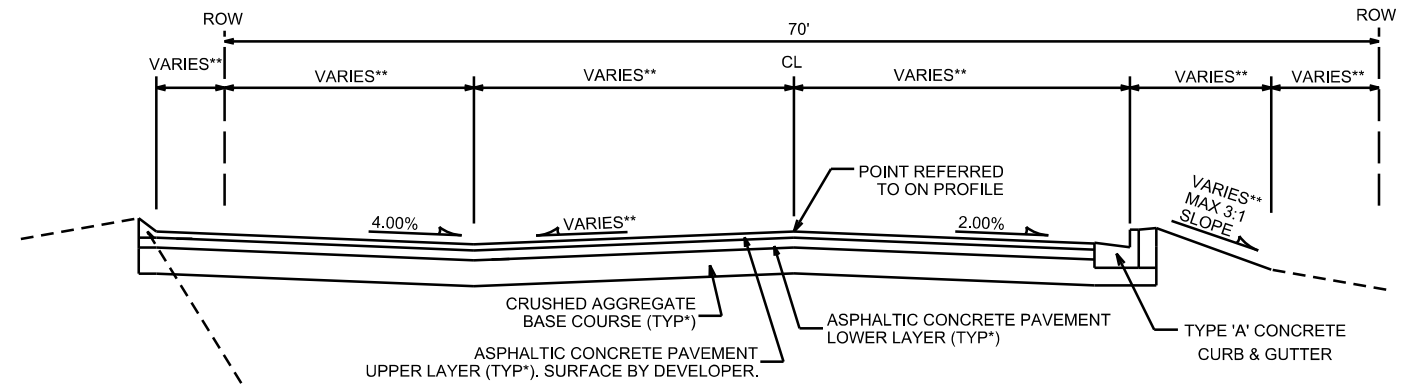
TYPICAL SECTION

SUGAR MAPLE LANE / SCHEUWE ROAD (STA 63+01.09 TO STA 64+46.64)
WHITE FOX LANE (STA 29+84.45 TO STA 34+16.50)
NOT TO SCALE



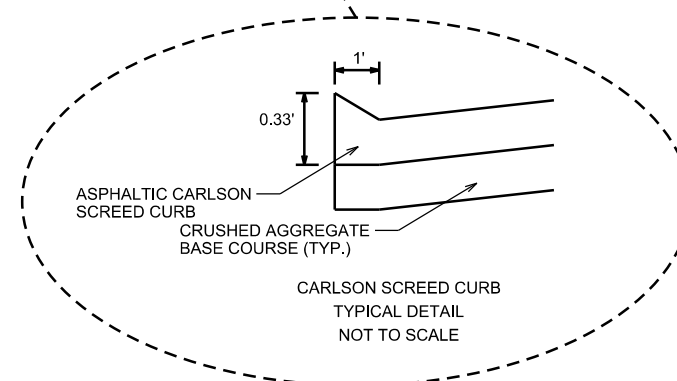
TYPICAL SECTION

SUGAR MAPLE LANE PATH AND OL 2 CONNECTION PATH
NOT TO SCALE

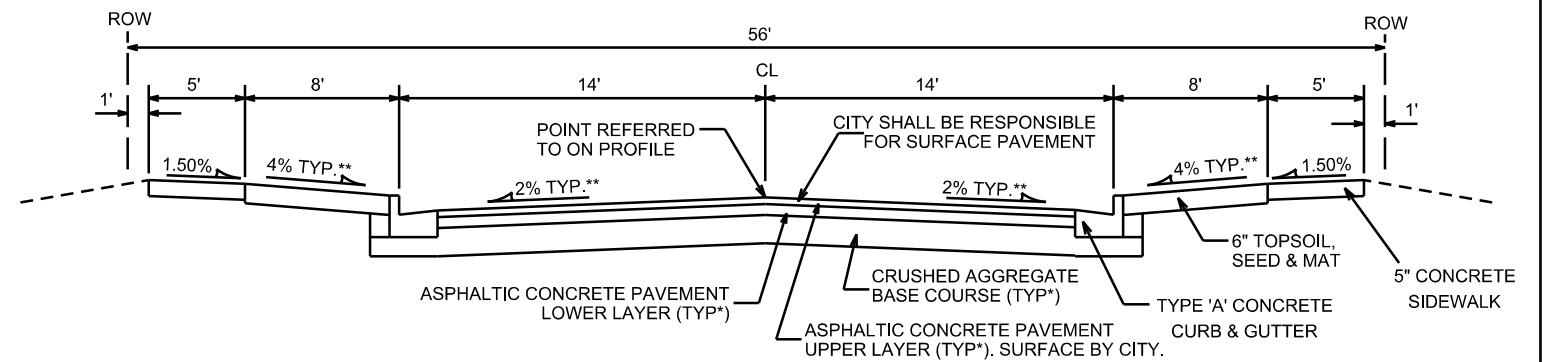


TYPICAL SECTION

WHITE FOX LANE
TURNAROUND (STA 22+81.81 TO STA 23+70.85)
NOT TO SCALE



**CARLSON SCREED CURB
TYPICAL DETAIL
NOT TO SCALE**



TYPICAL SECTION

JAGGY PINE LANE,
IVORY DOVE WAY, & SILENT WIND PLACE
NOT TO SCALE

† CITY OF MADISON MINIMUM PAVEMENT DESIGN

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

NOTES:

- * SUGAR MAPLE LN / SCHEUWE ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †
- † WHITE FOX LANE SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †
- † JAGGY PINE LANE, IVORY DOVE WAY, SILENT WIND PLACE, SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †

** SEE PLAN AND PROFILE SHEETS, D-3 DETAIL SHEET, AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS

*** SUGAR MAPLE LANE TERRACE & SIDEWALK CROSS SLOPE VARIES FROM STA 59+17.82 - STA 59+83.53 & STA 60+50 - STA 61+25 (SEE PLAN AND PROFILE SHEETS FOR DETAILS AND DIMENSIONS)

- THE CITY OF MADISON SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 1

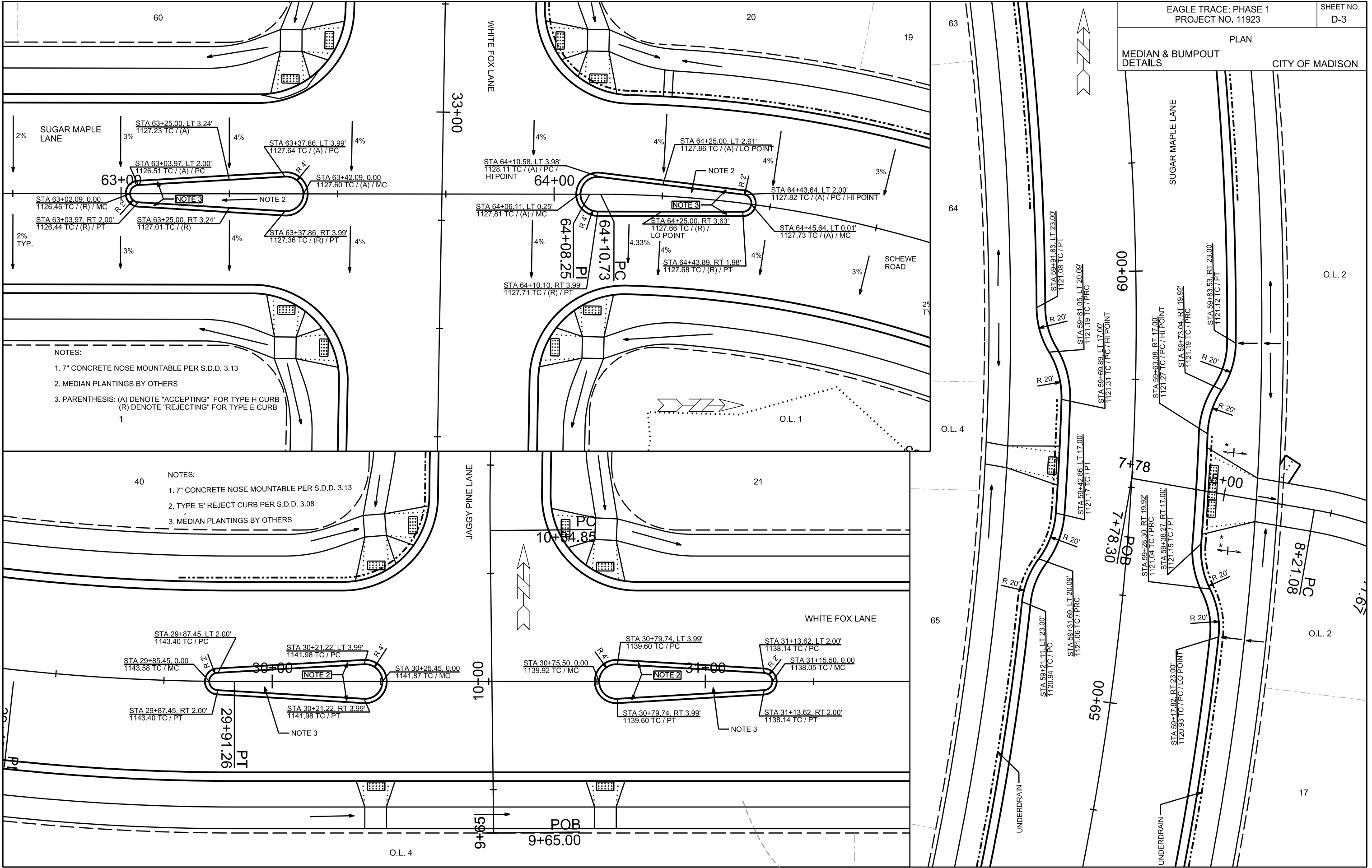
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN
MEDIAN & BUMPOUT
CITY OF MADISON



NOTES:
1. 7" CONCRETE NOSE MOUNTABLE PER S.D.D. 3.13
2. MEDIAN PLANTINGS BY OTHERS
3. PARENTHESIS: (A) DENOTE "ACCEPTING" FOR TYPE H CURB
(R) DENOTE "REJECTING" FOR TYPE E CURB

NOTES:
1. 7" CONCRETE NOSE MOUNTABLE PER S.D.D. 3.13
2. TYPE 'E' REJECT CURB PER S.D.D. 3.08
3. MEDIAN PLANTINGS BY OTHERS

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

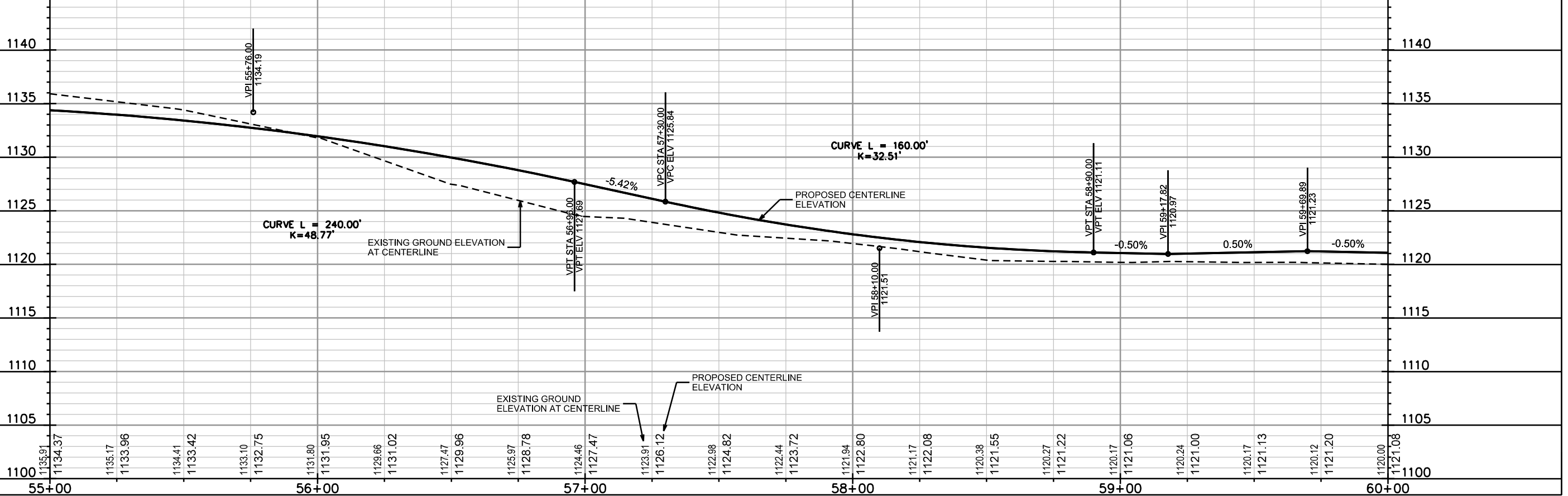
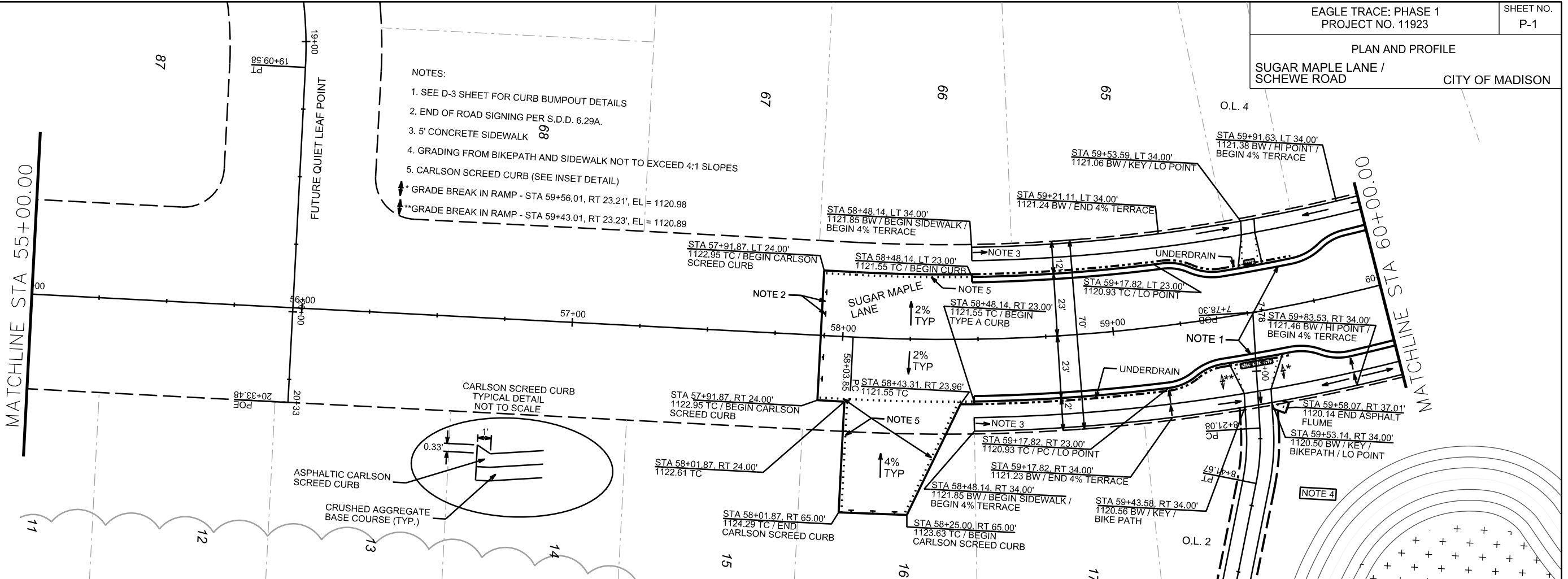
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
SUGAR MAPLE LANE /
SCHEWE ROAD CITY OF MADISON

- NOTES:
1. SEE D-3 SHEET FOR CURB BUMPOUT DETAILS
 2. END OF ROAD SIGNING PER S.D.D. 6.29A.
 3. 5' CONCRETE SIDEWALK
 4. GRADING FROM BIKEPATH AND SIDEWALK NOT TO EXCEED 4:1 SLOPES
 5. CARLSON SCREED CURB (SEE INSET DETAIL)
- ↑ GRADE BREAK IN RAMP - STA 59+56.01, RT 23.21', EL = 1120.98
 ↑ GRADE BREAK IN RAMP - STA 59+43.01, RT 23.23', EL = 1120.89

MATCHLINE STA 55+00.00

MATCHLINE STA 60+00.00



PLOT SCALE: _____

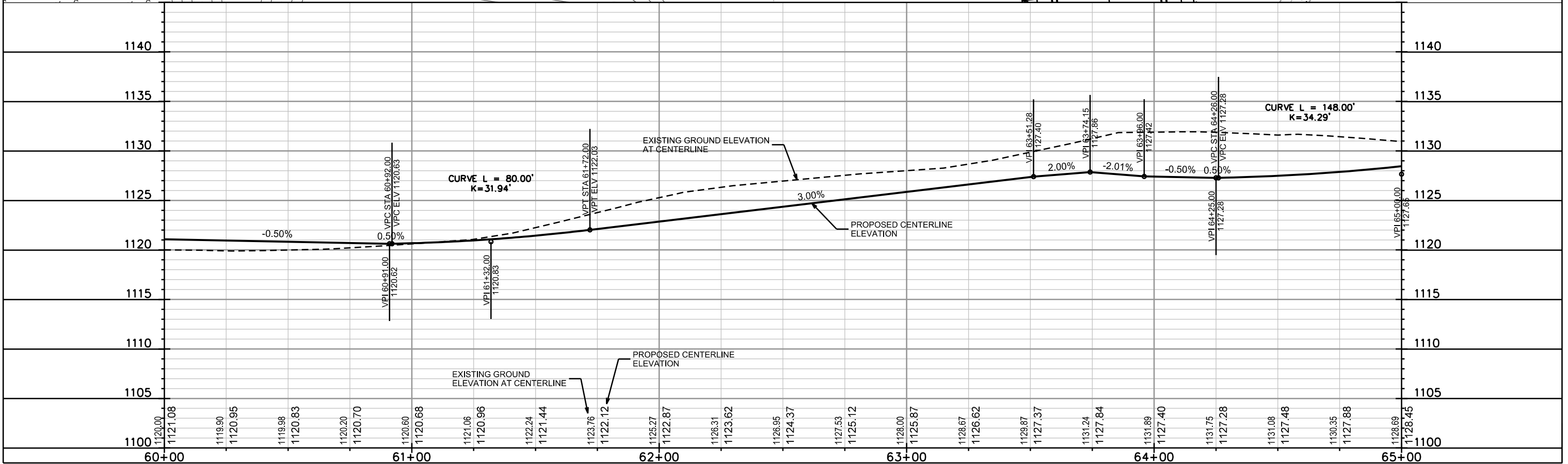
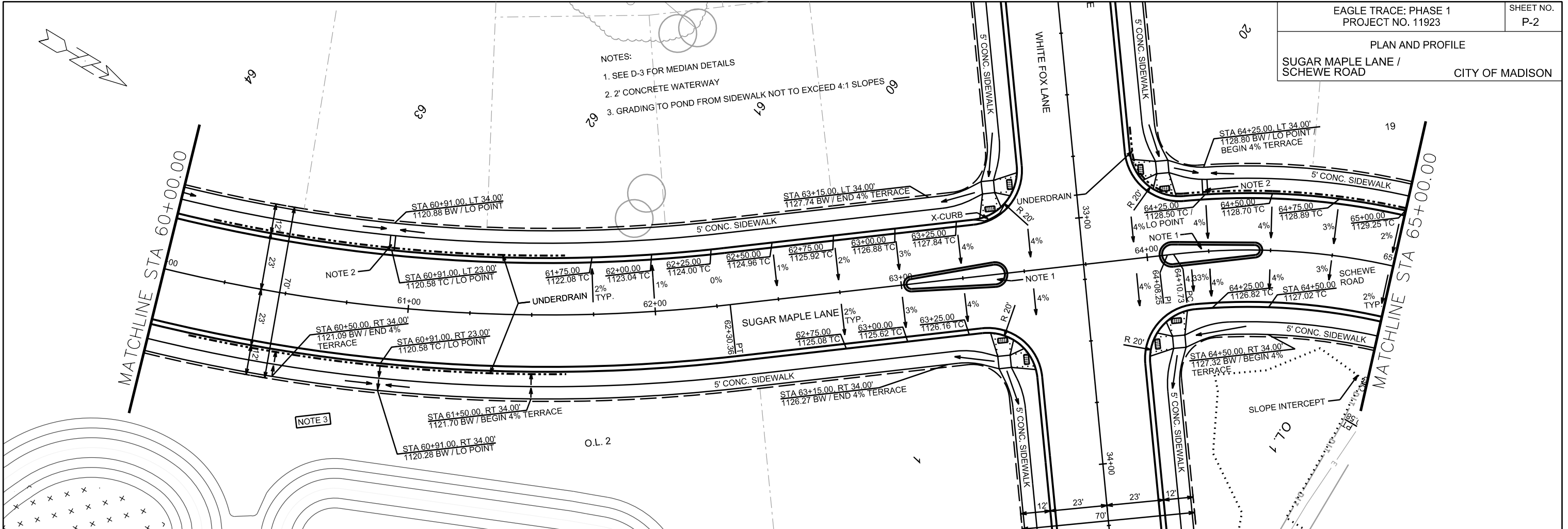
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
SUGAR MAPLE LANE / SCHEWE ROAD
CITY OF MADISON

- NOTES:
1. SEE D-3 FOR MEDIAN DETAILS
 2. 2' CONCRETE WATERWAY
 3. GRADING TO POND FROM SIDEWALK NOT TO EXCEED 4:1 SLOPES

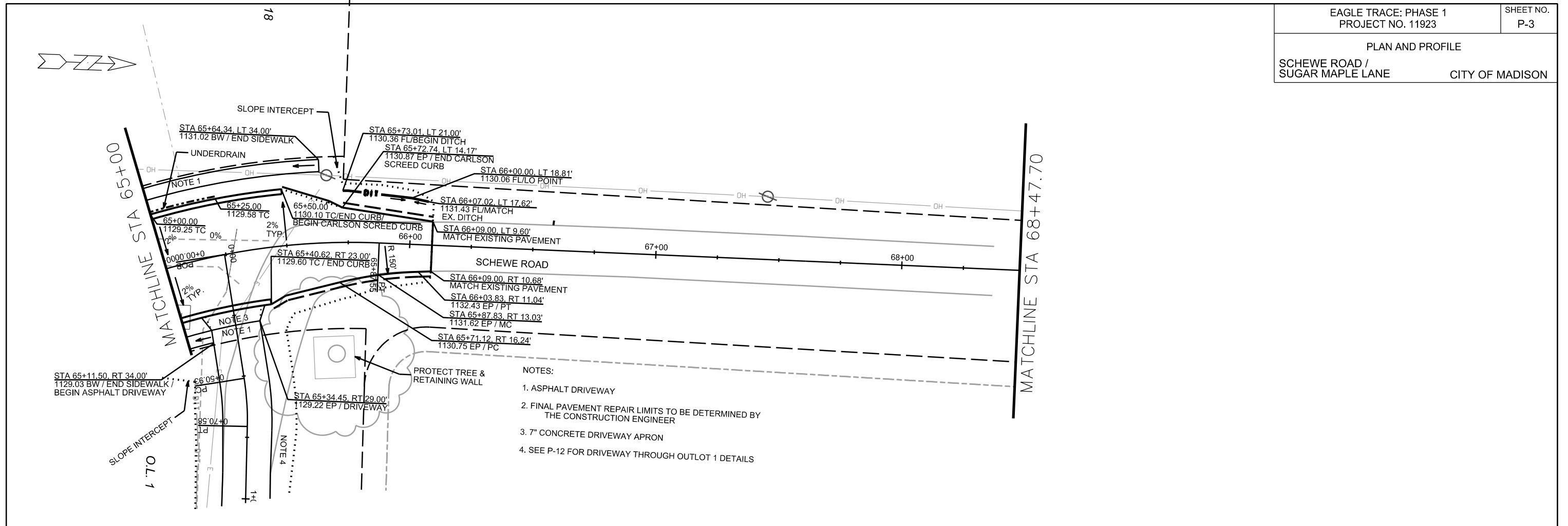


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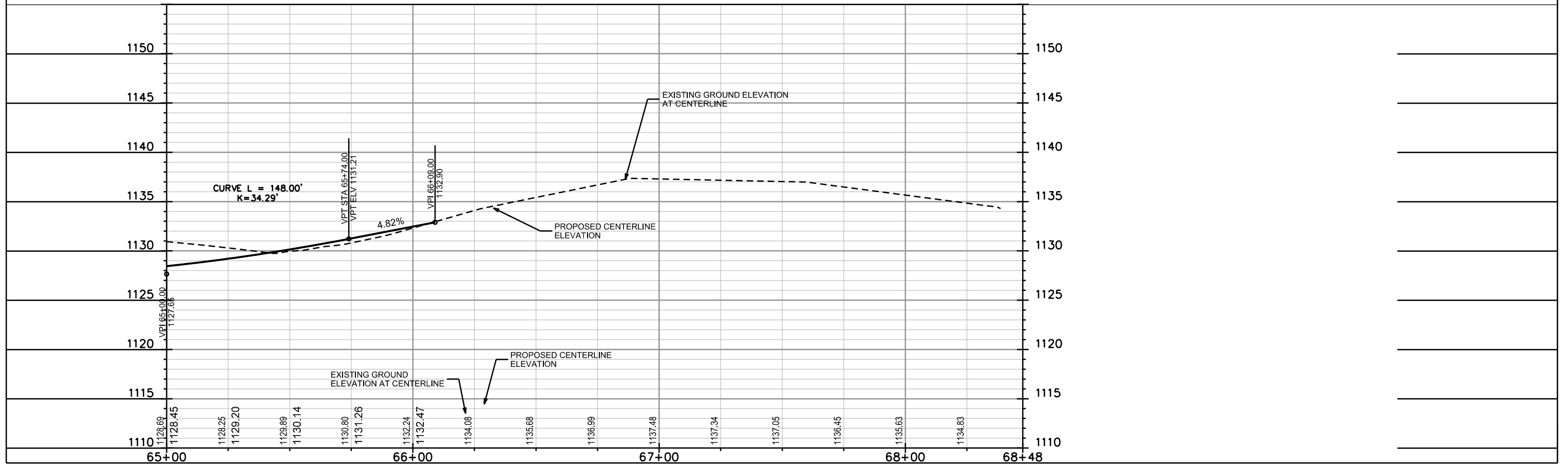
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- NOTES:
1. ASPHALT DRIVEWAY
 2. FINAL PAVEMENT REPAIR LIMITS TO BE DETERMINED BY THE CONSTRUCTION ENGINEER
 3. 7" CONCRETE DRIVEWAY APRON
 4. SEE P-12 FOR DRIVEWAY THROUGH OUTLOT 1 DETAILS



PLOT SCALE: _____

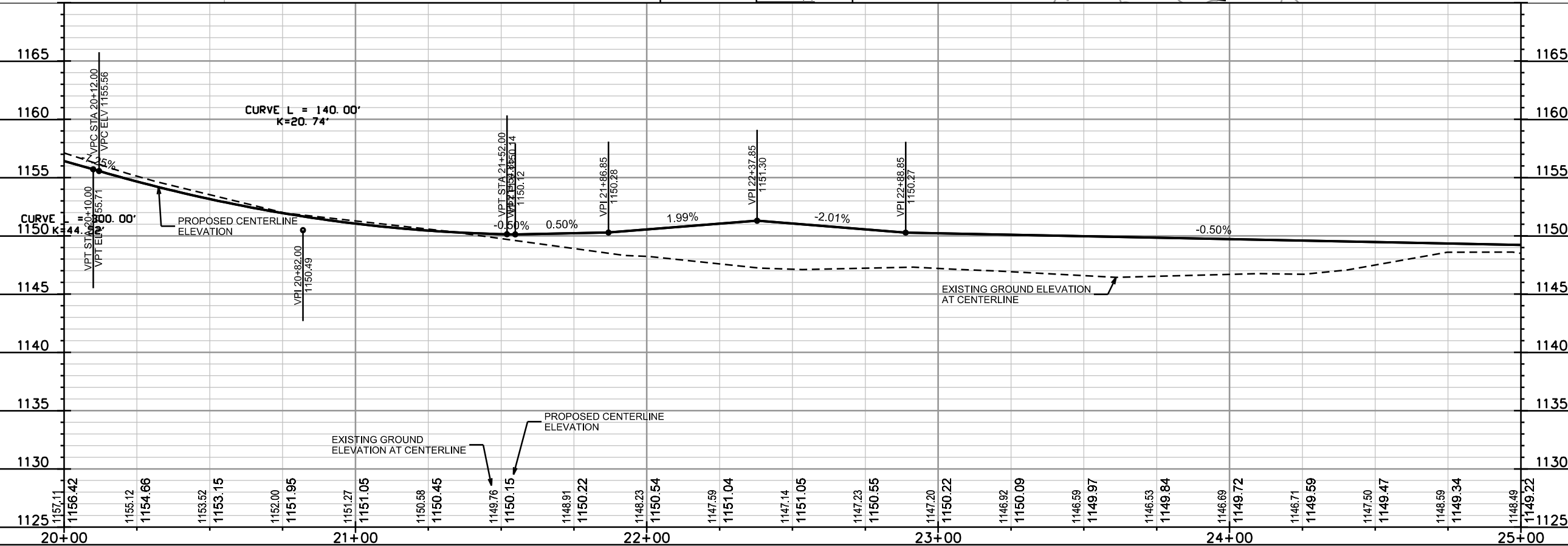
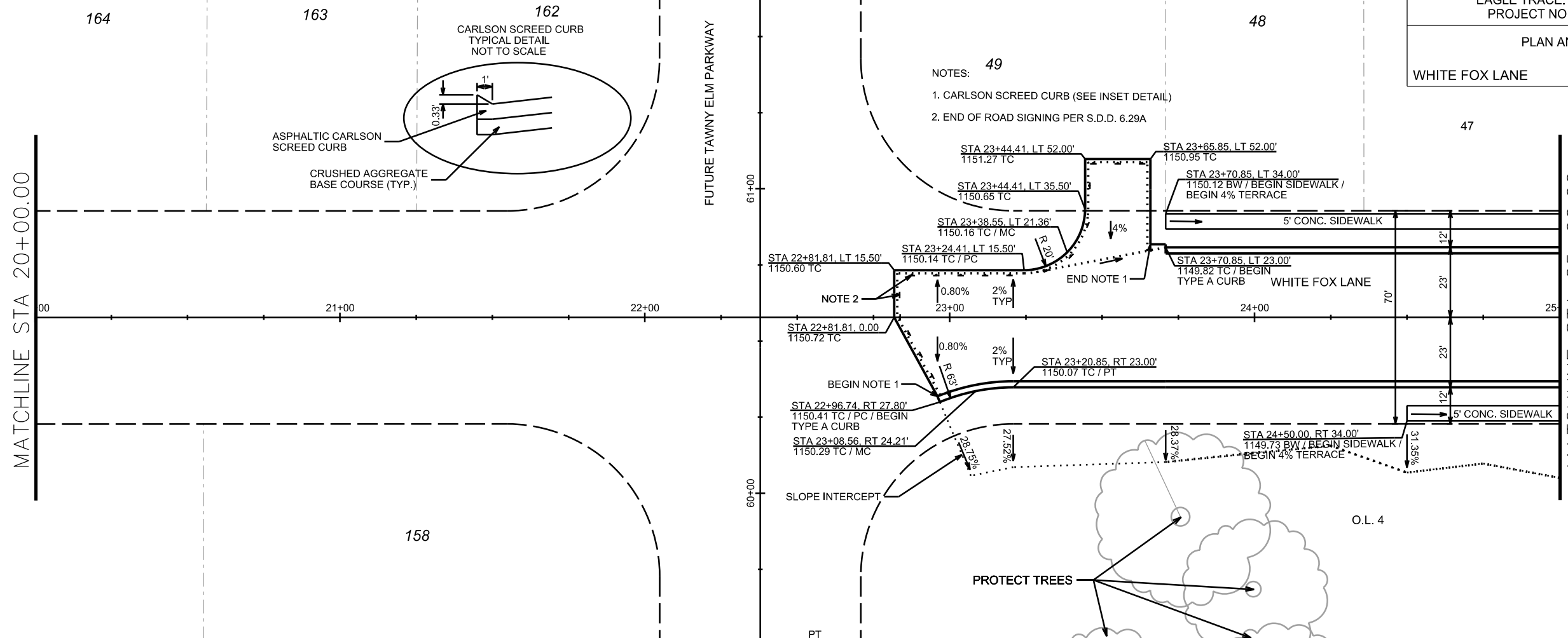
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

WHITE FOX LANE CITY OF MADISON

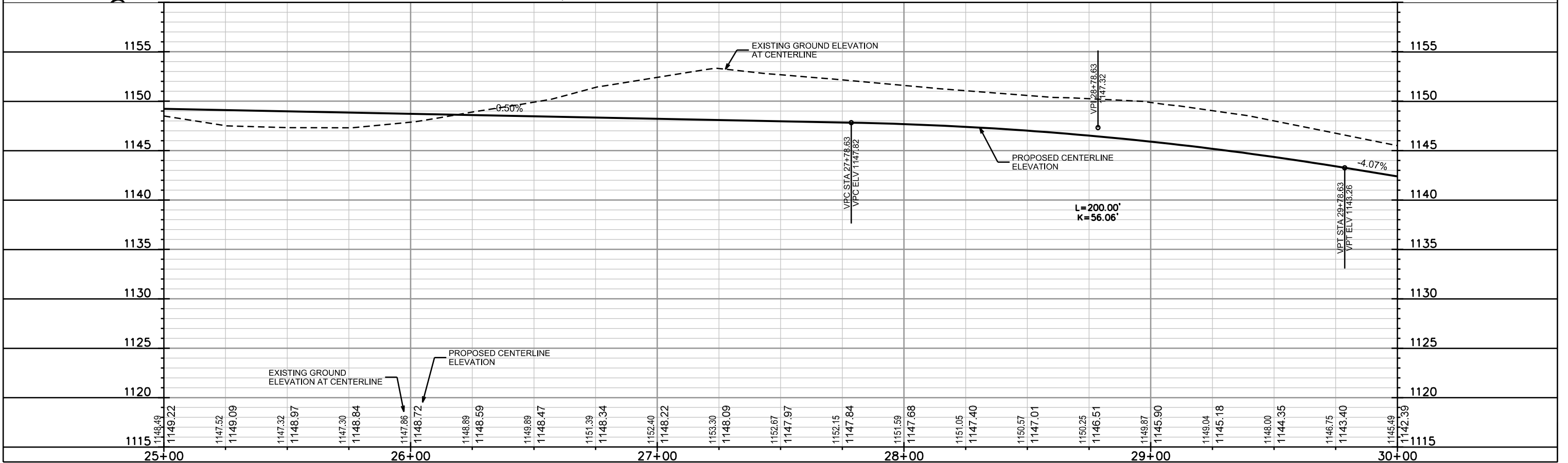
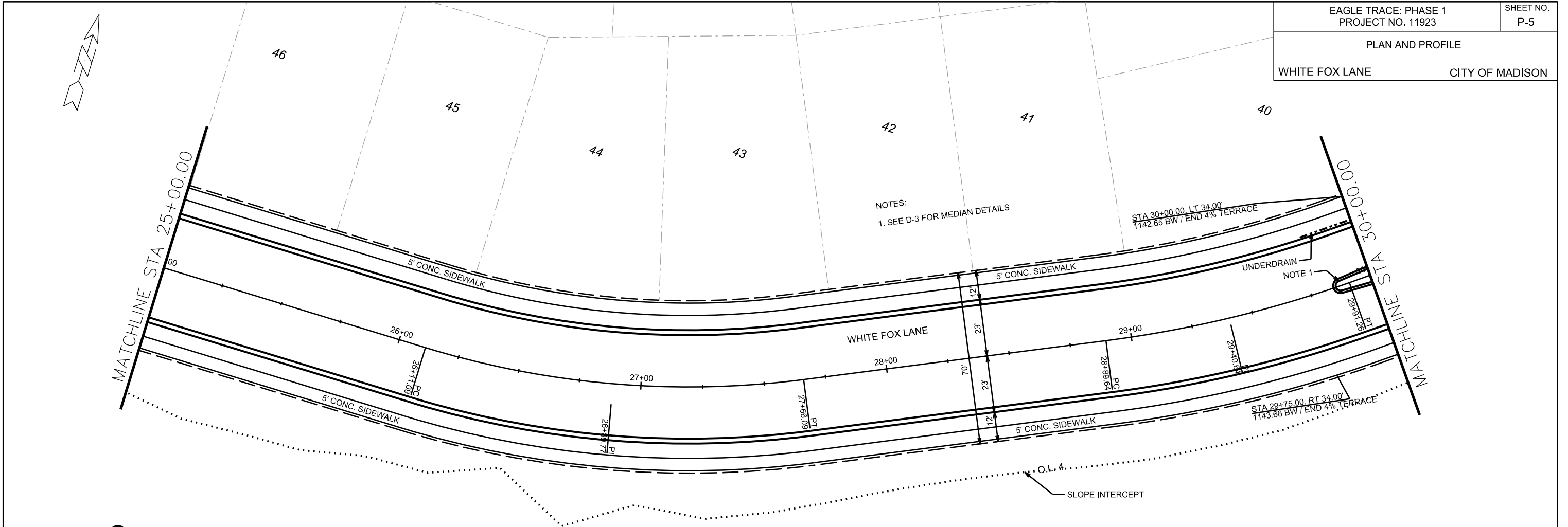


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

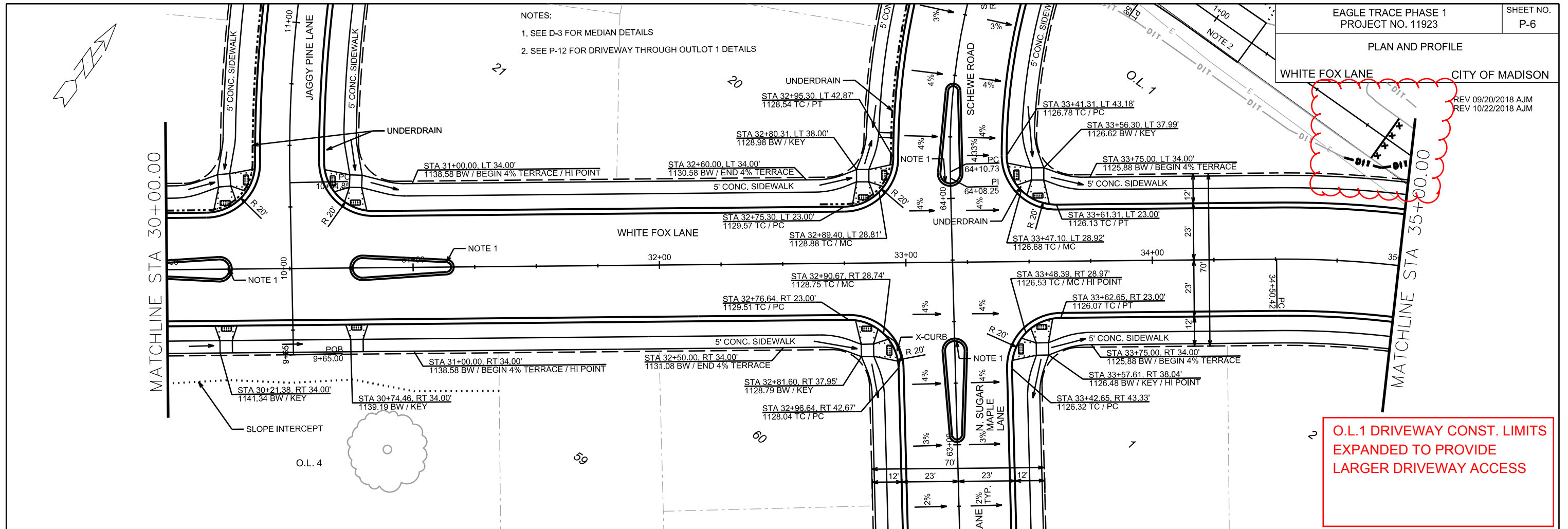
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

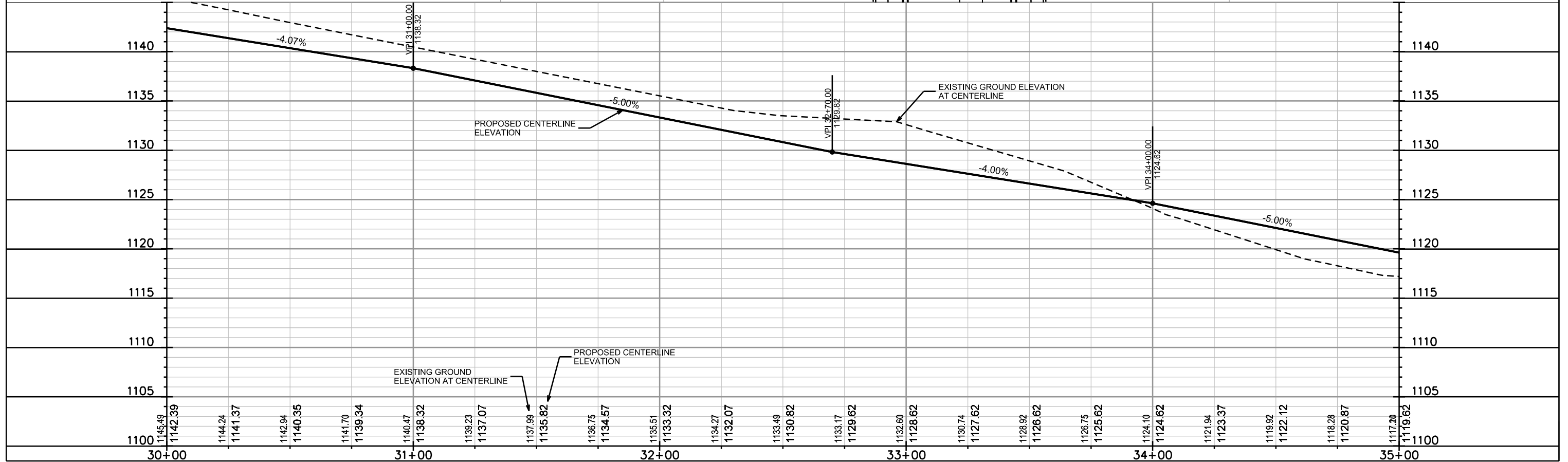
WHITE FOX LANE CITY OF MADISON

REV 09/20/2018 AJM
REV 10/22/2018 AJM

- NOTES:
1. SEE D-3 FOR MEDIAN DETAILS
2. SEE P-12 FOR DRIVEWAY THROUGH OUTLOT 1 DETAILS



O.L.1 DRIVEWAY CONST. LIMITS EXPANDED TO PROVIDE LARGER DRIVEWAY ACCESS



PLOT SCALE: _____

PLOT NAME: _____

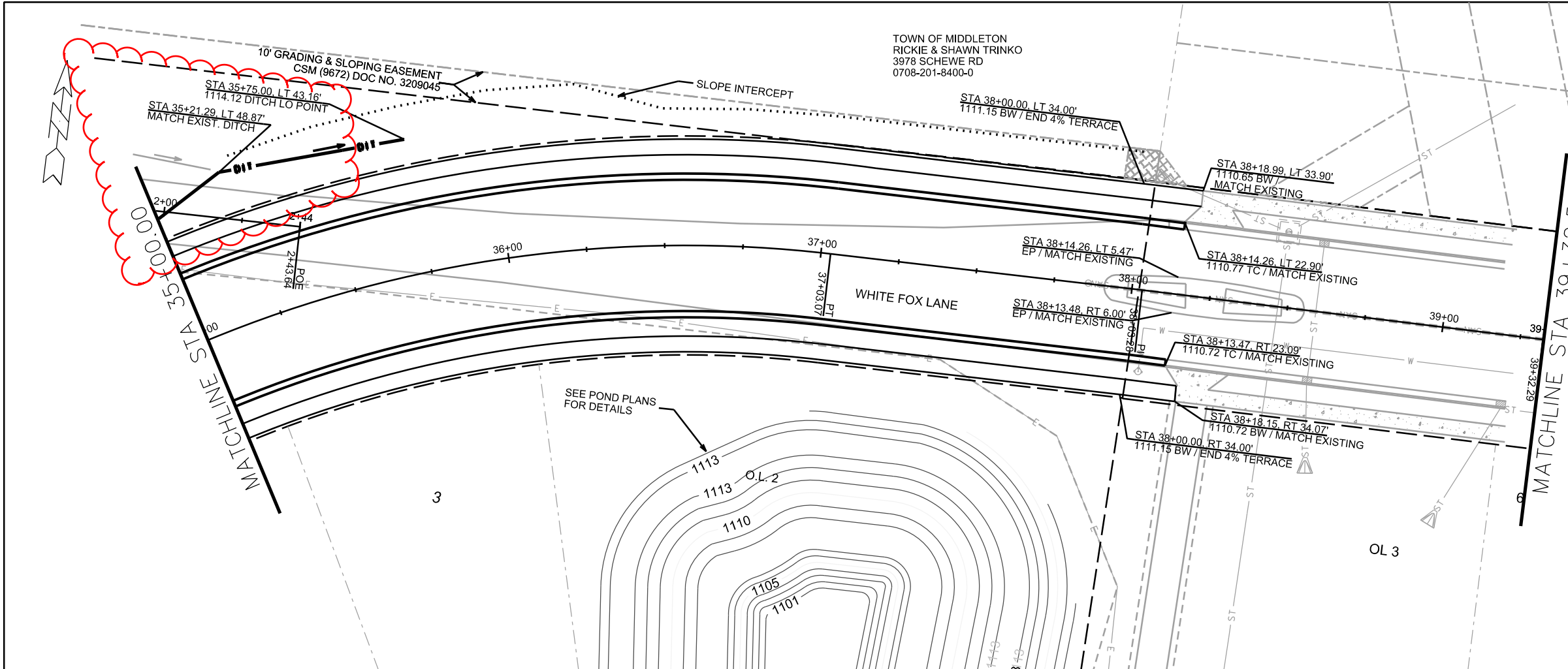
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

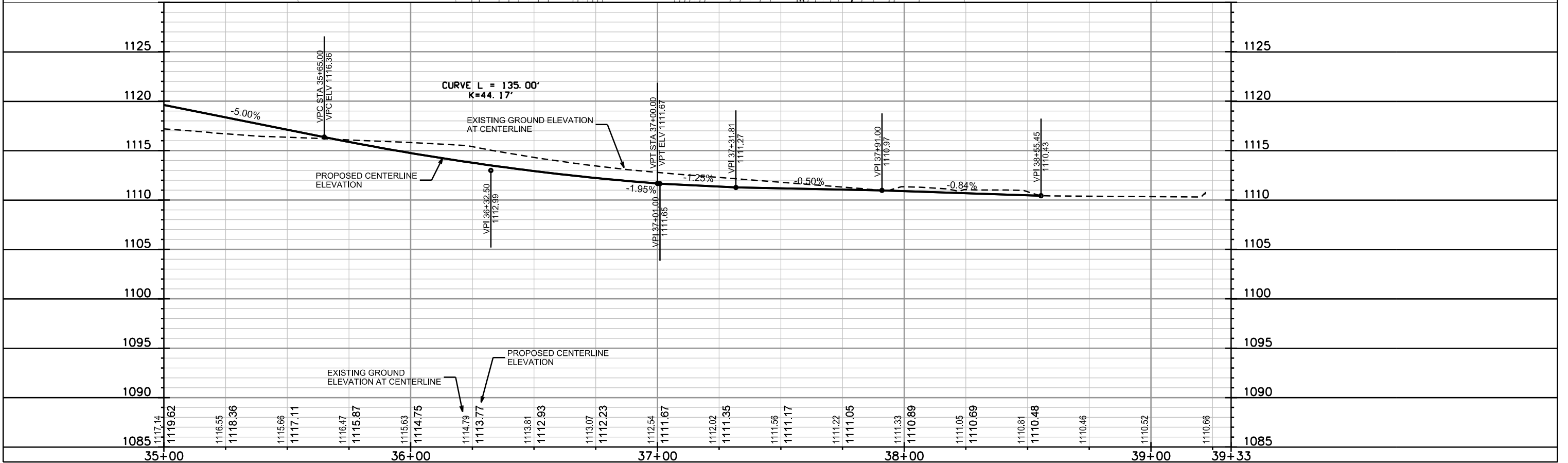
PLAN AND PROFILE

WHITE FOX LANE CITY OF MADISON

REV 09/20/2018 AJM
REV 10/22/2018 AJM



O.L.1 DRIVEWAY CONST. LIMITS EXPANDED TO PROVIDE LARGER DRIVEWAY ACCESS



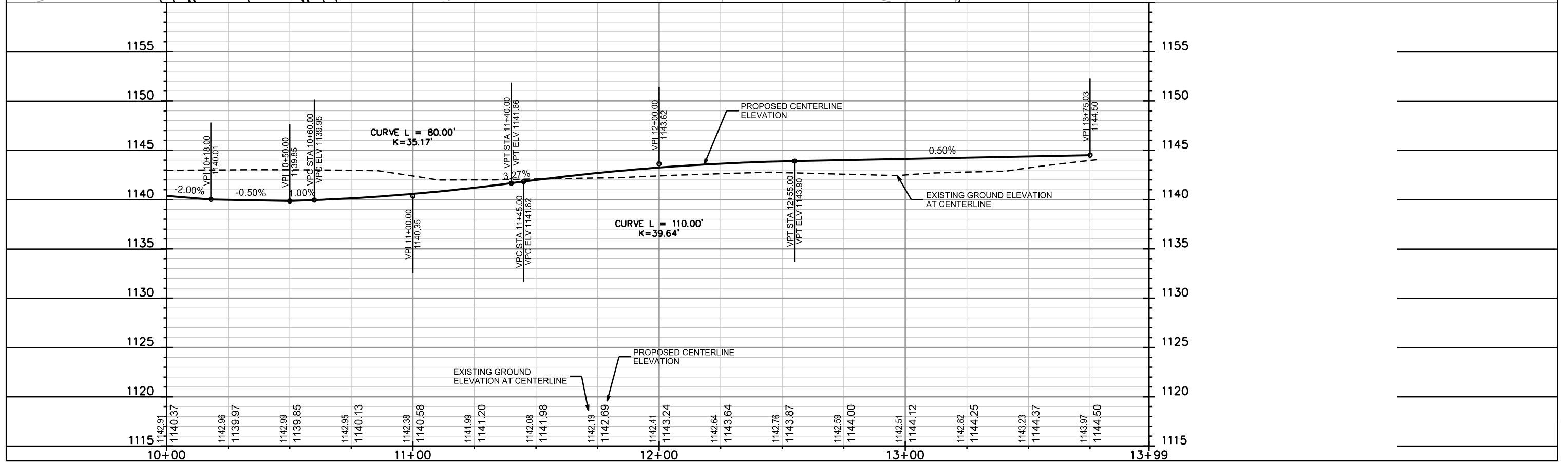
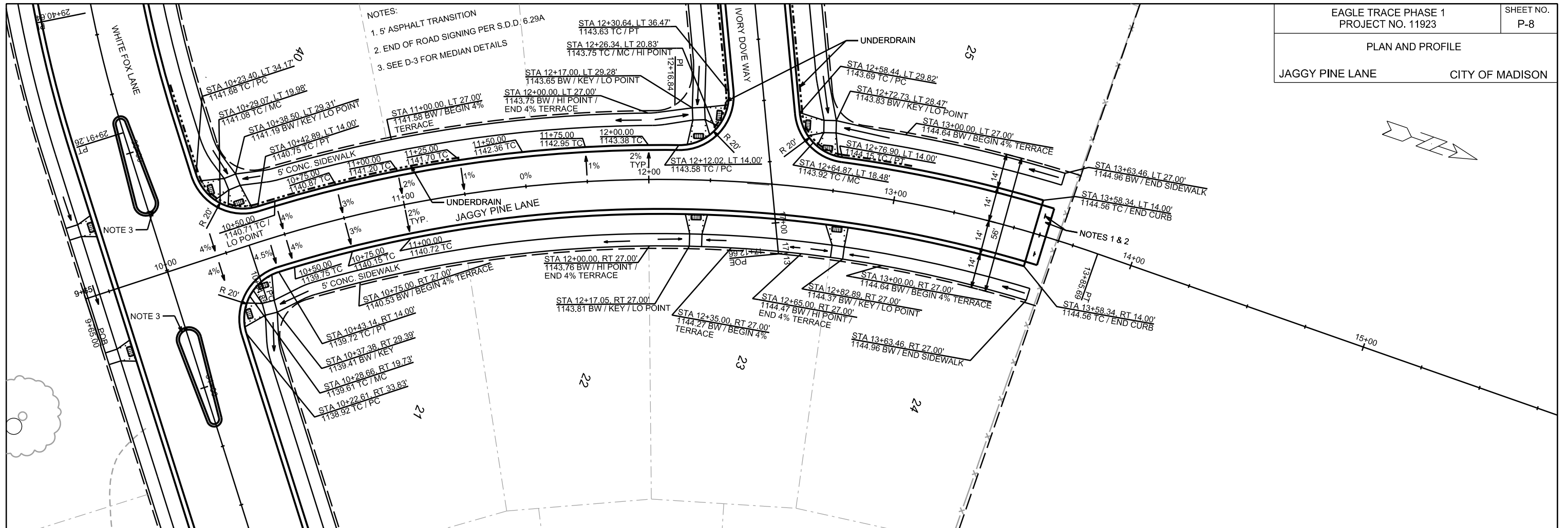
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
JAGGY PINE LANE CITY OF MADISON

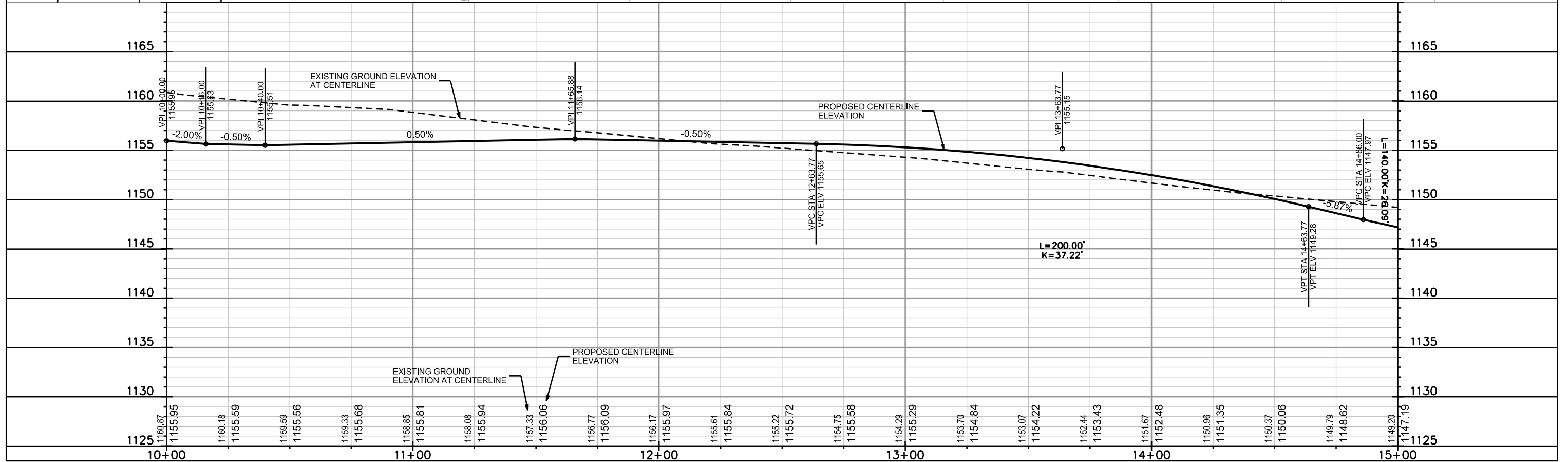
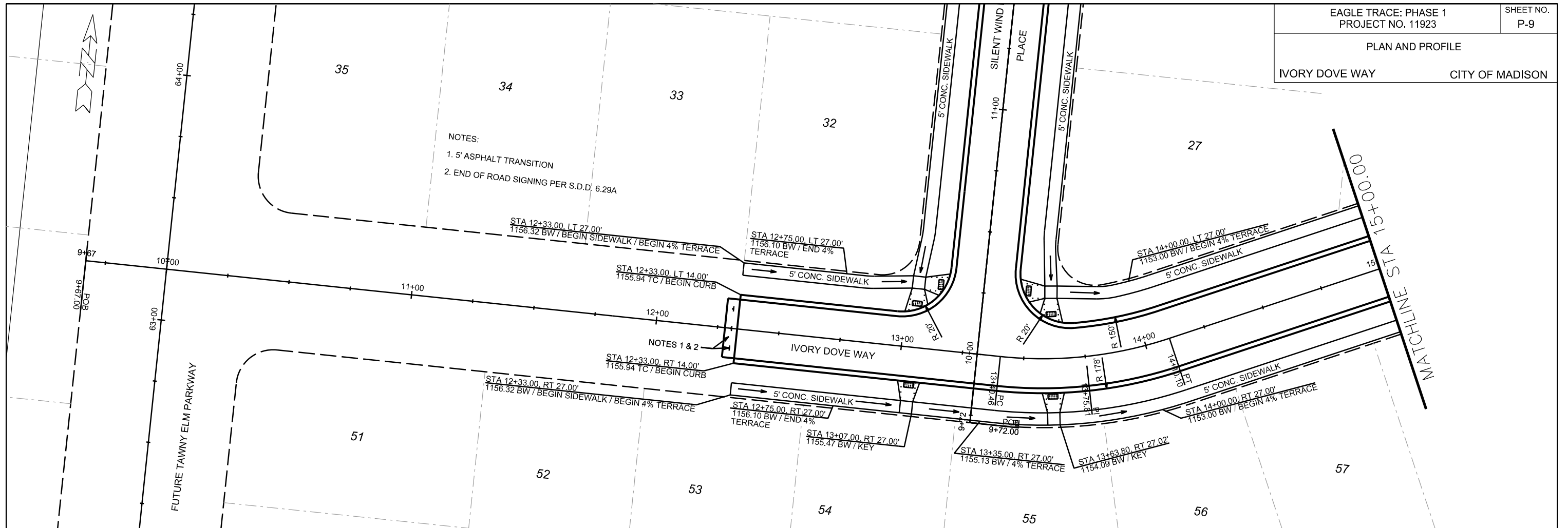


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

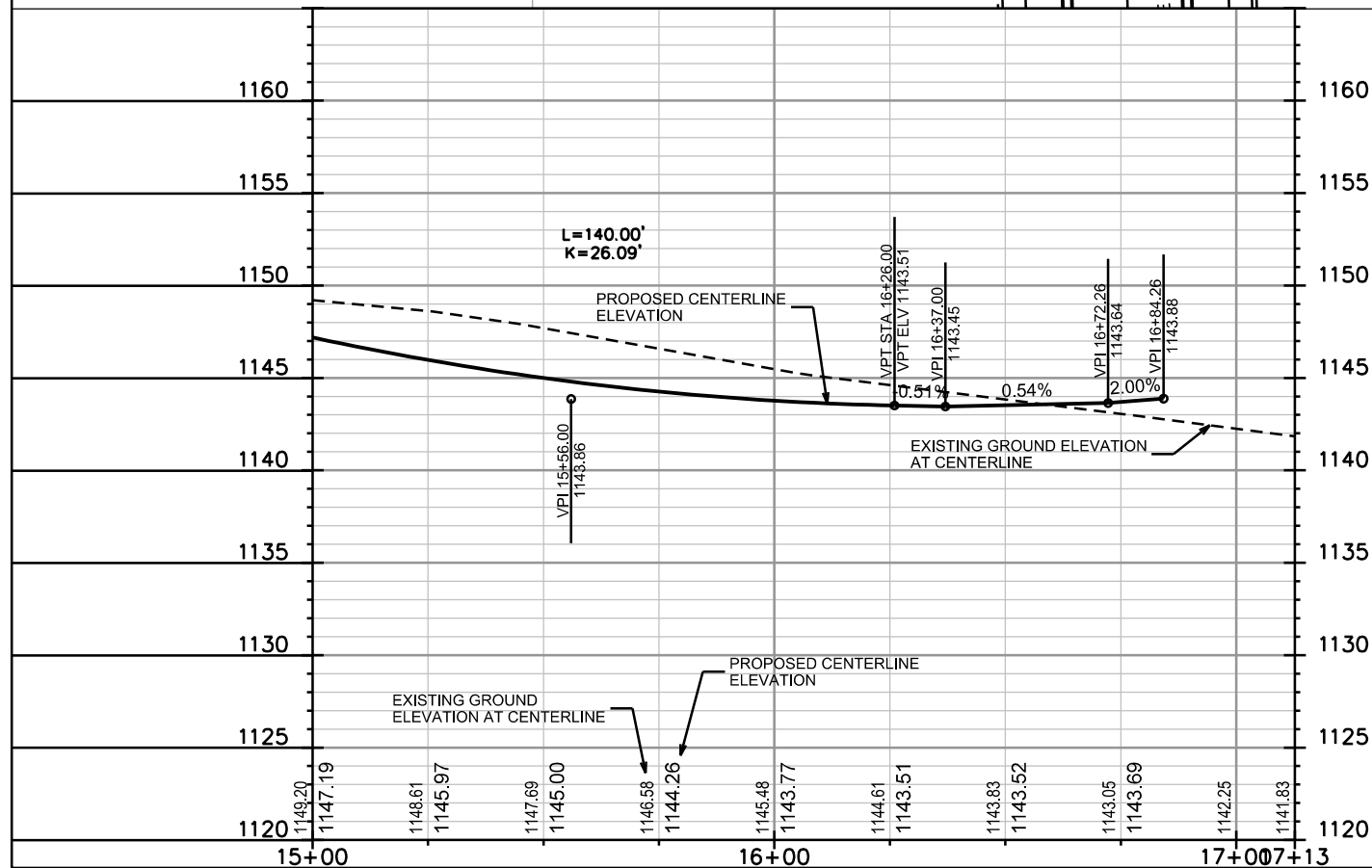
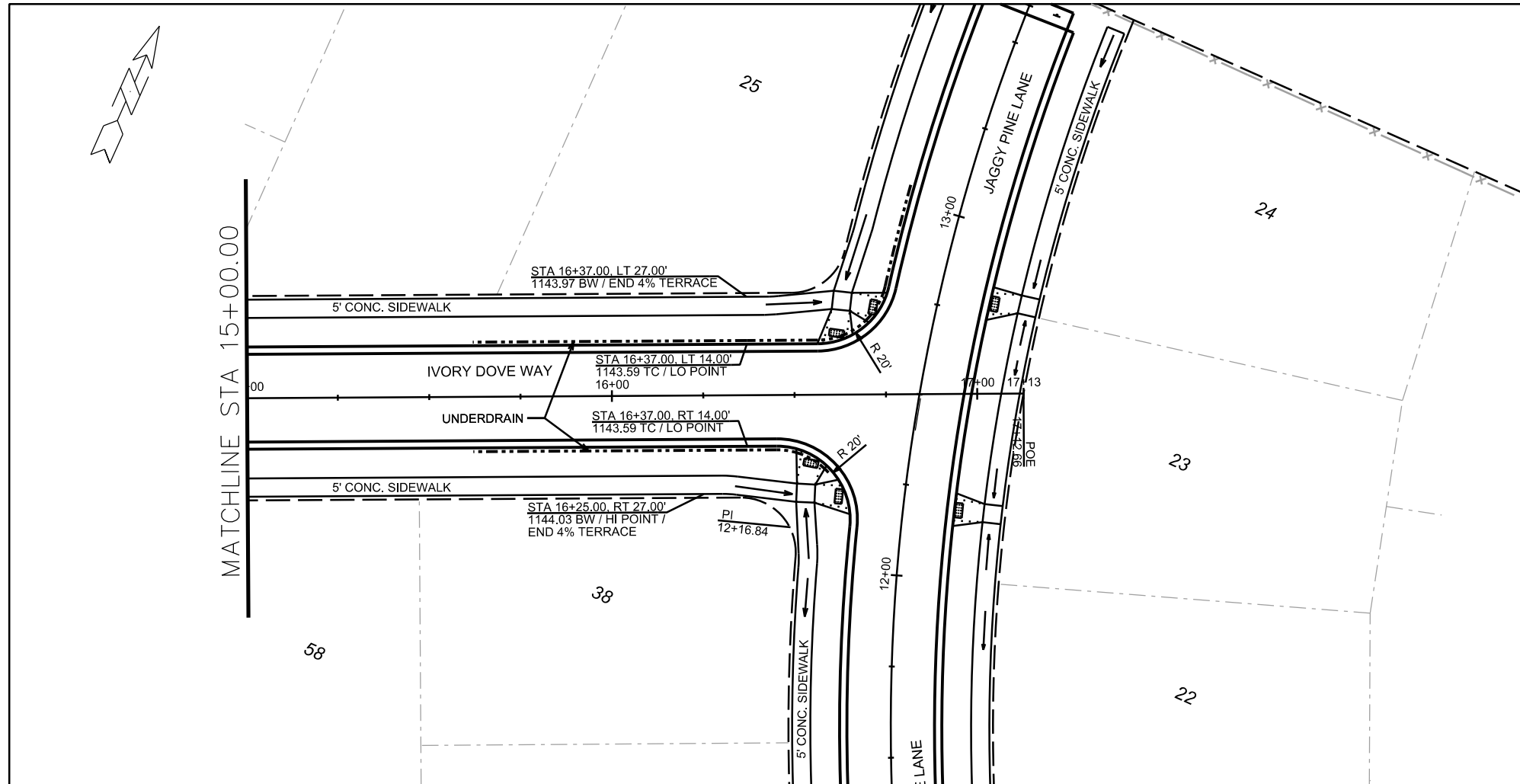


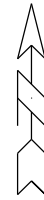
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PLOT NAME: _____

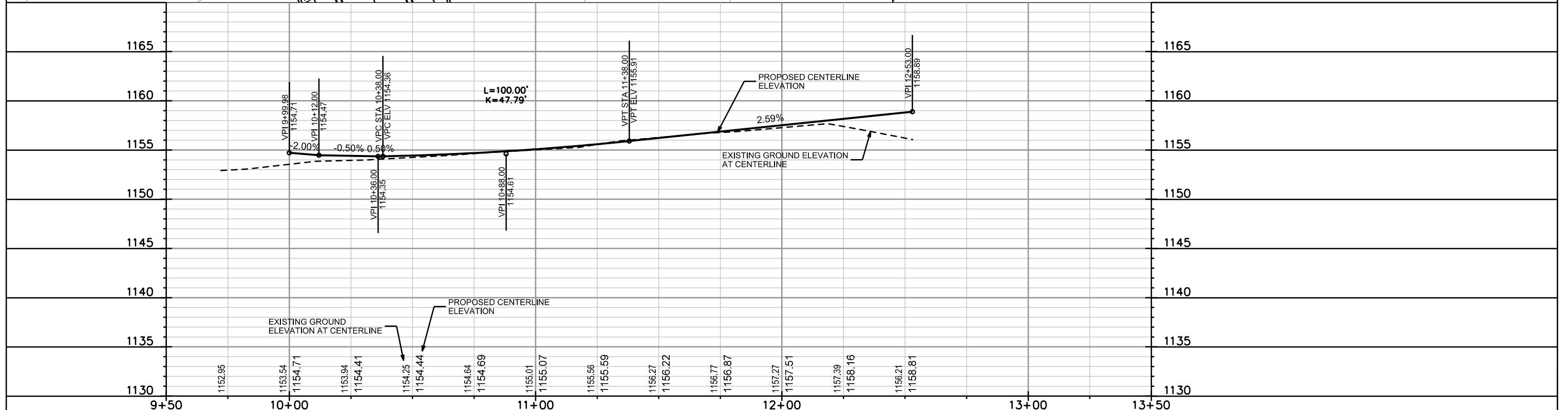
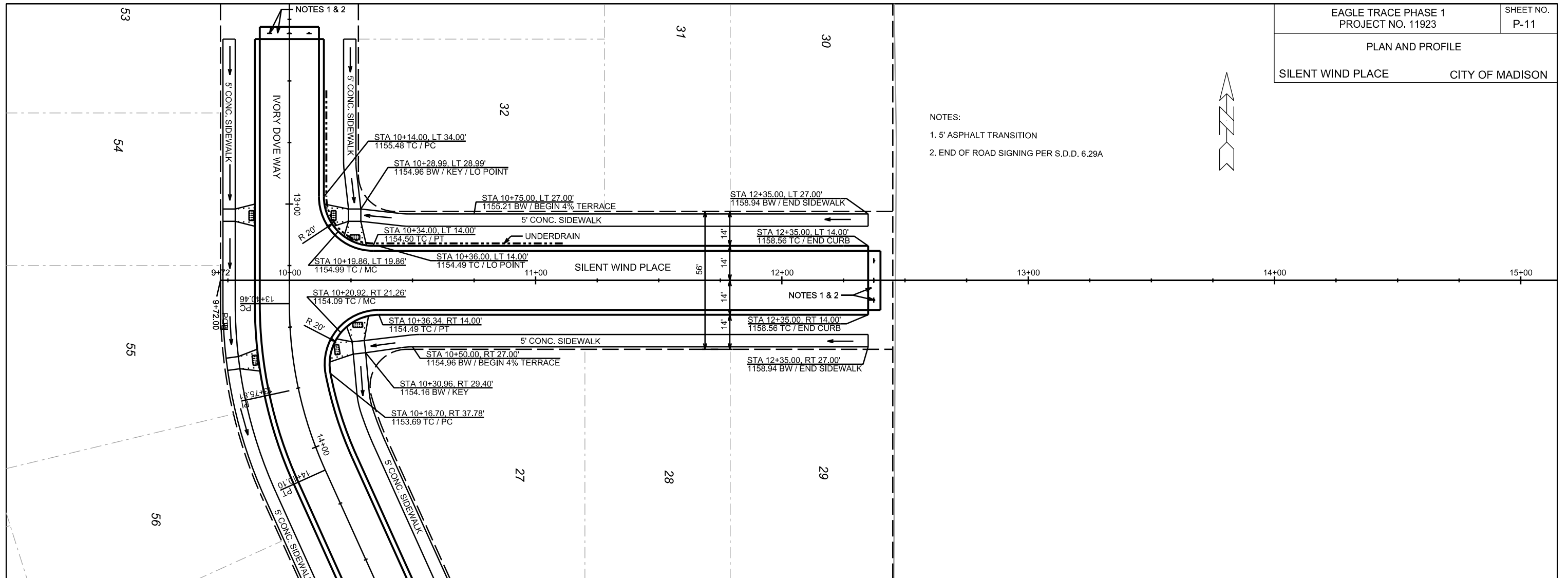
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





- NOTES:
1. 5' ASPHALT TRANSITION
2. END OF ROAD SIGNING PER S.D.D. 6.29A



PLOT SCALE: _____

PLOT NAME: _____

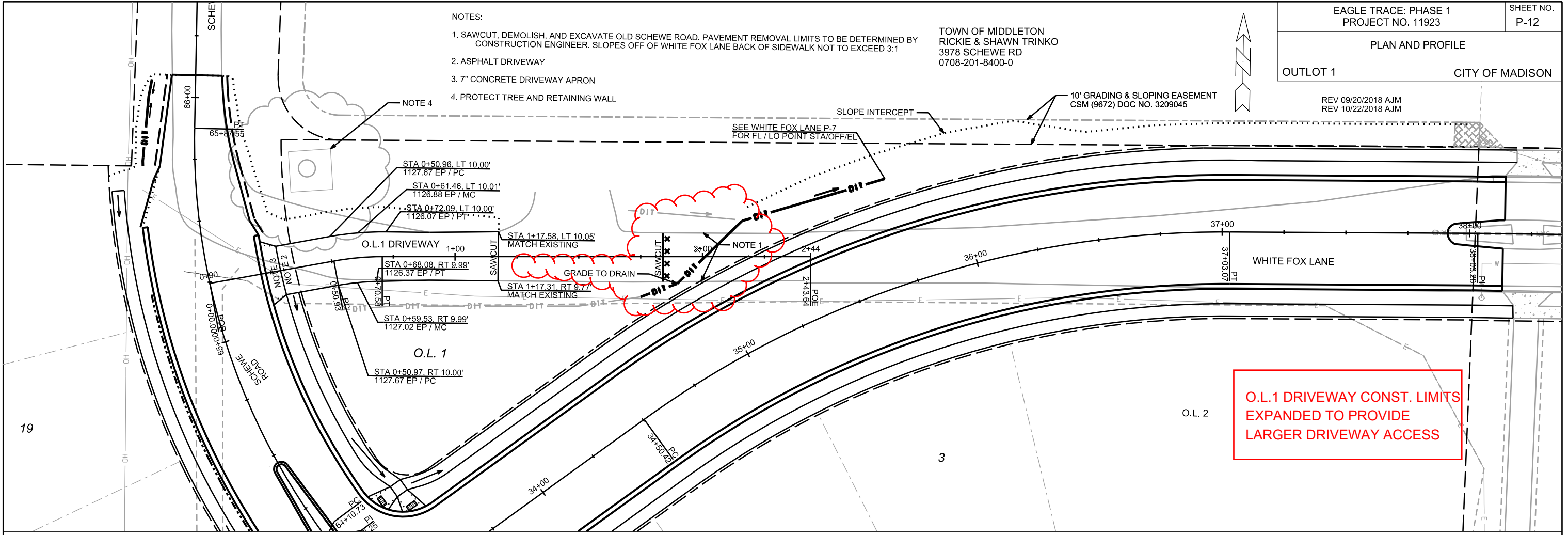
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

TOWN OF MIDDLETON
RICKIE & SHAWN TRINKO
3978 SCHEWE RD
0708-201-8400-0

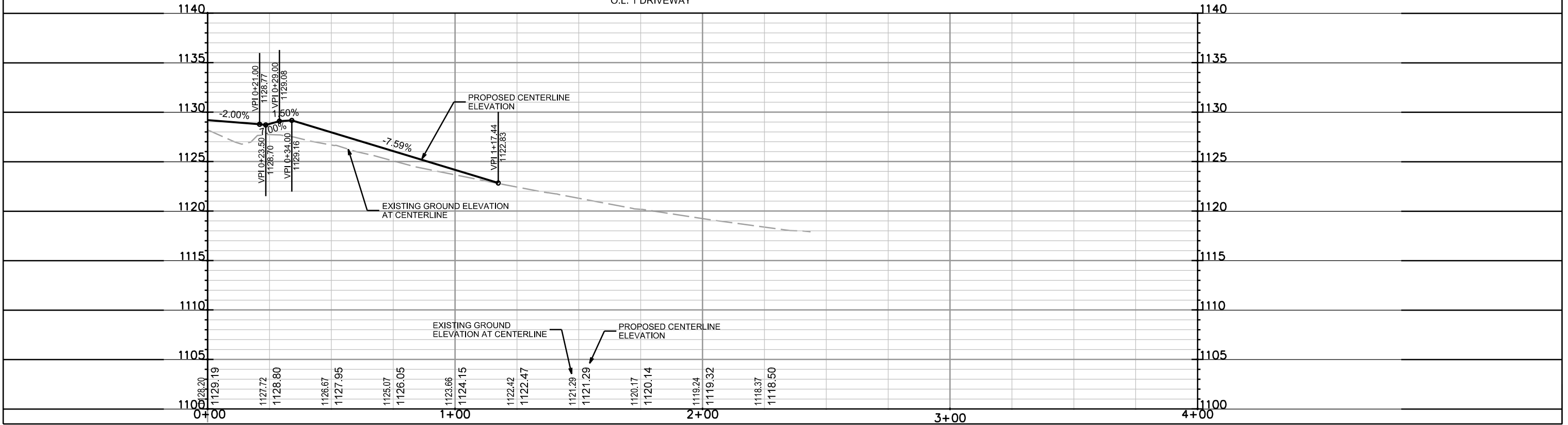
NOTES:

1. SAWCUT, DEMOLISH, AND EXCAVATE OLD SCHEWE ROAD. PAVEMENT REMOVAL LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER. SLOPES OFF OF WHITE FOX LANE BACK OF SIDEWALK NOT TO EXCEED 3:1
2. ASPHALT DRIVEWAY
3. 7" CONCRETE DRIVEWAY APRON
4. PROTECT TREE AND RETAINING WALL



O.L.1 DRIVEWAY CONST. LIMITS EXPANDED TO PROVIDE LARGER DRIVEWAY ACCESS

O.L. 1 DRIVEWAY



PLOT SCALE: _____

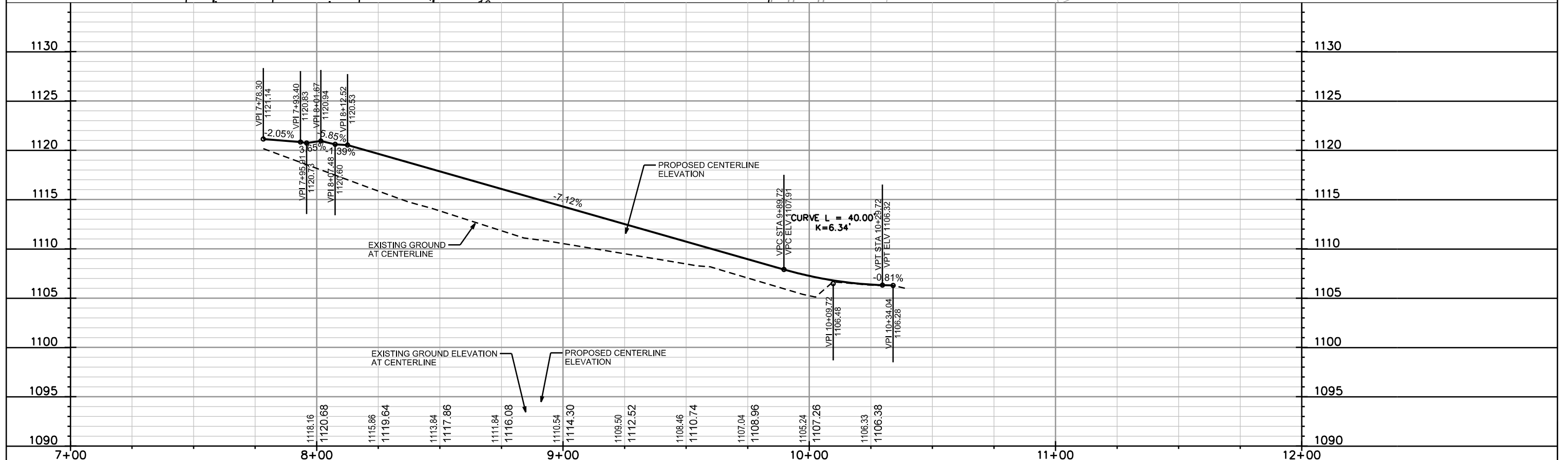
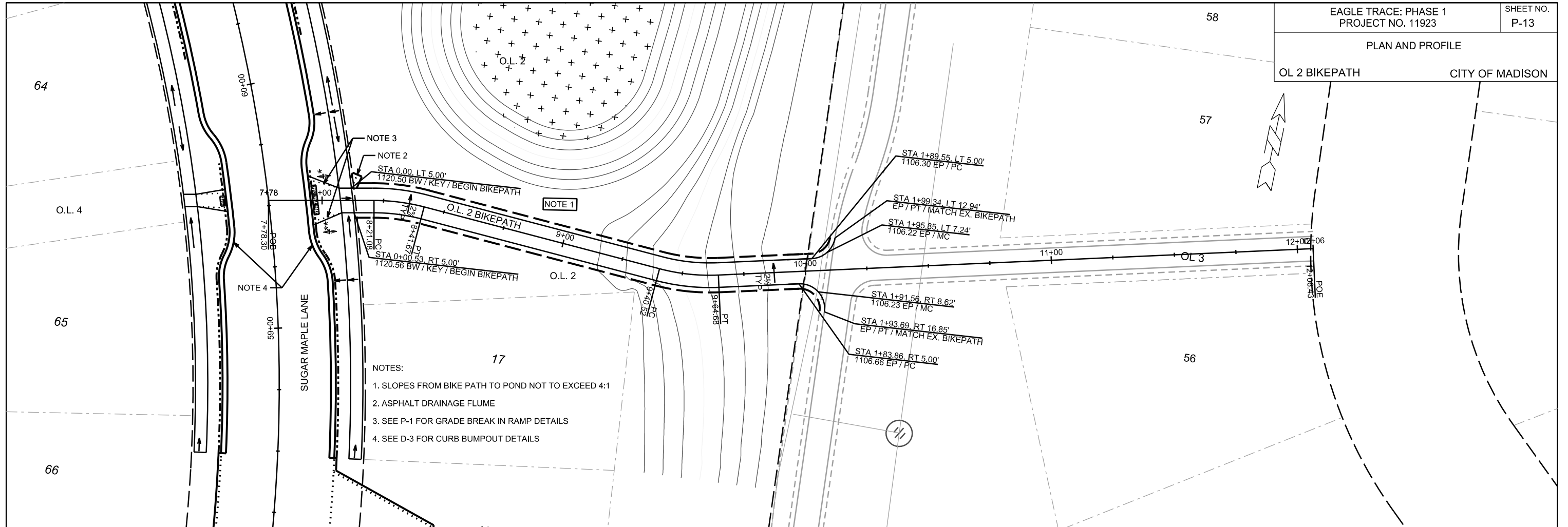
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

OL 2 BIKEPATH CITY OF MADISON



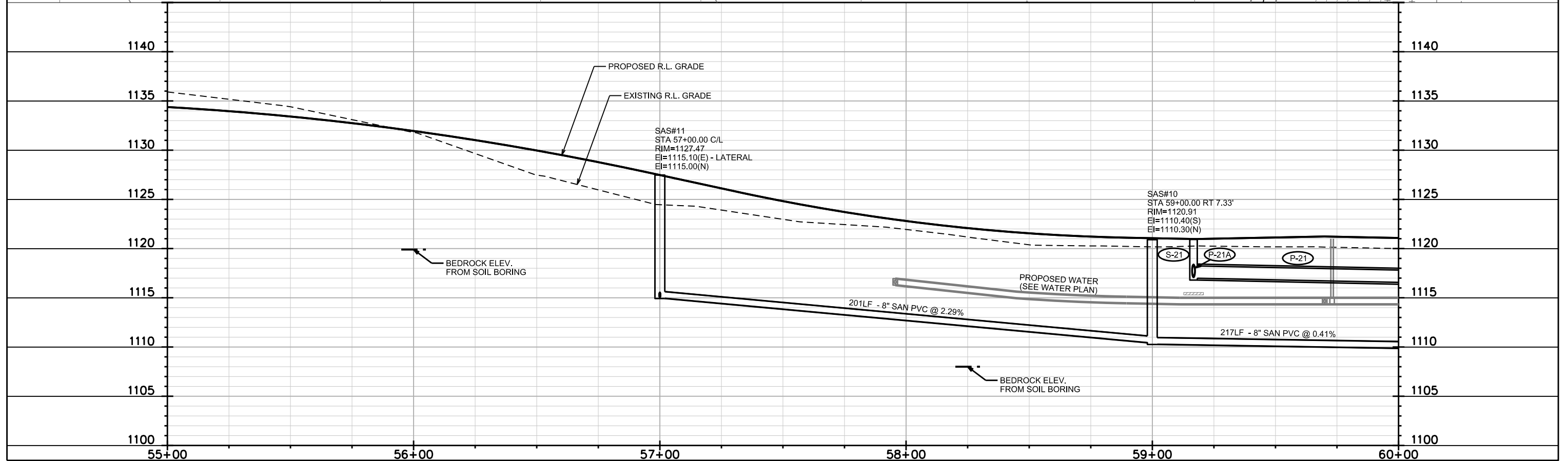
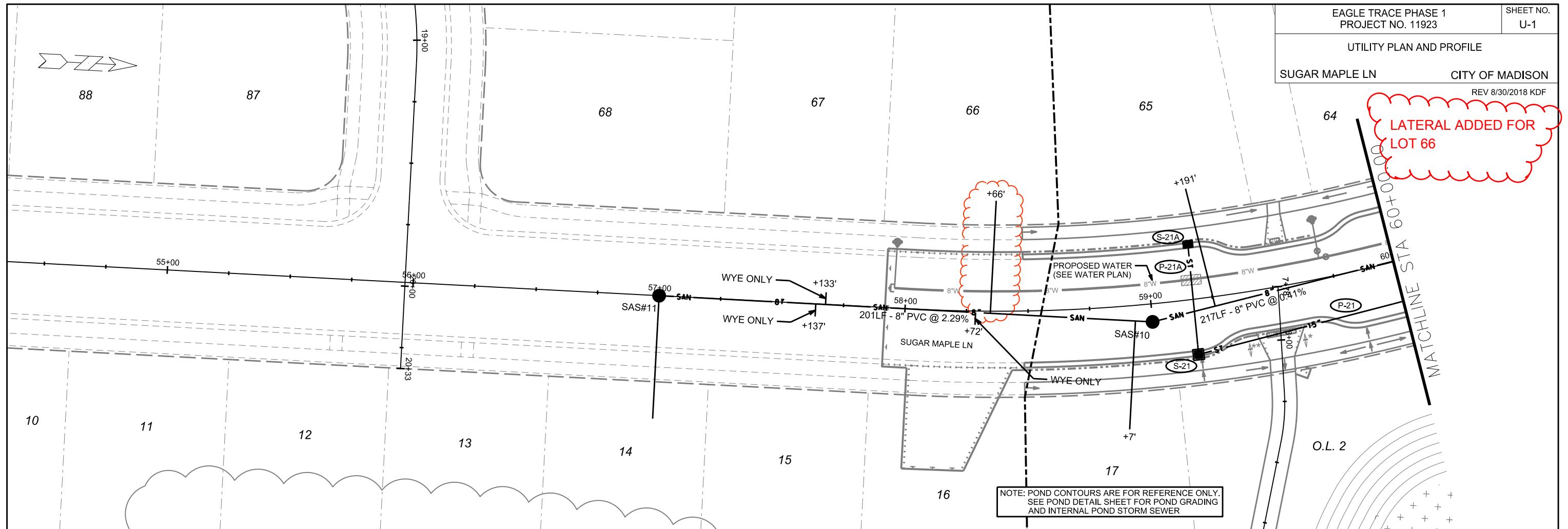
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

LATERAL ADDED FOR
LOT 66

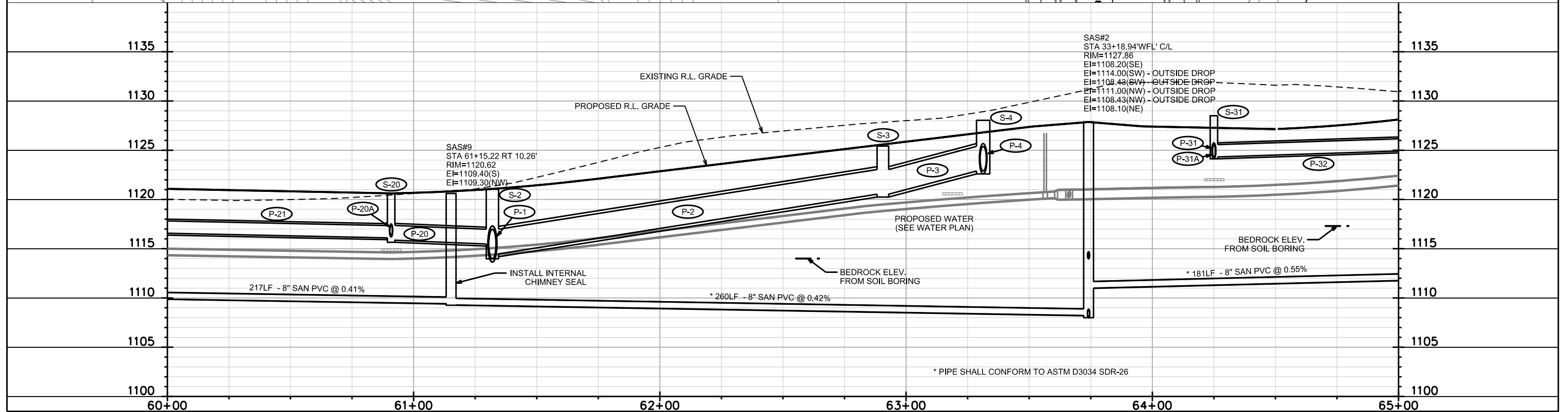
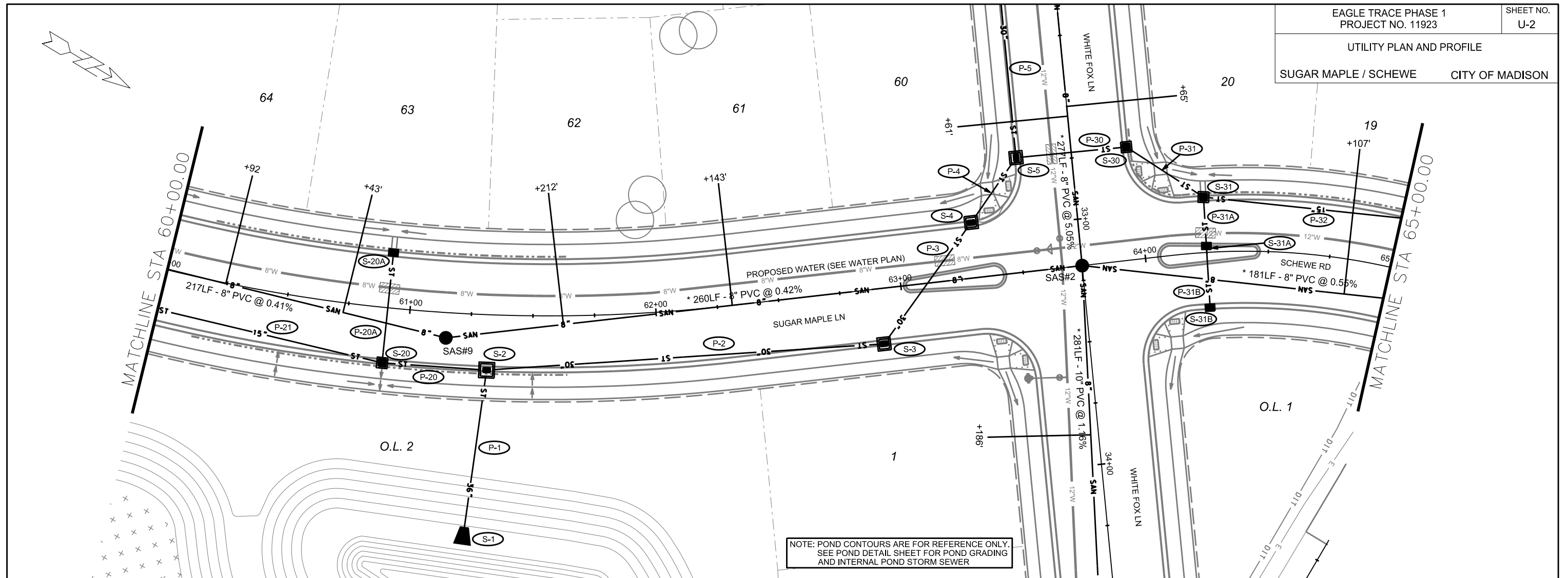


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

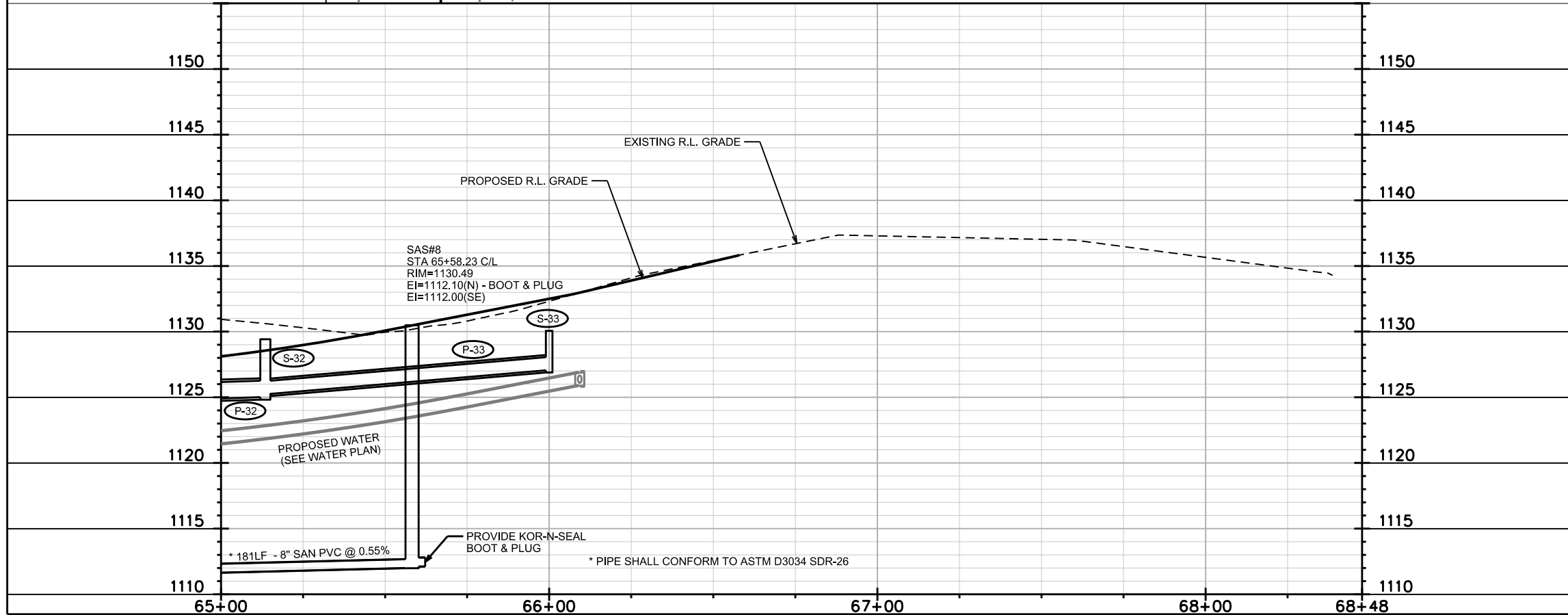
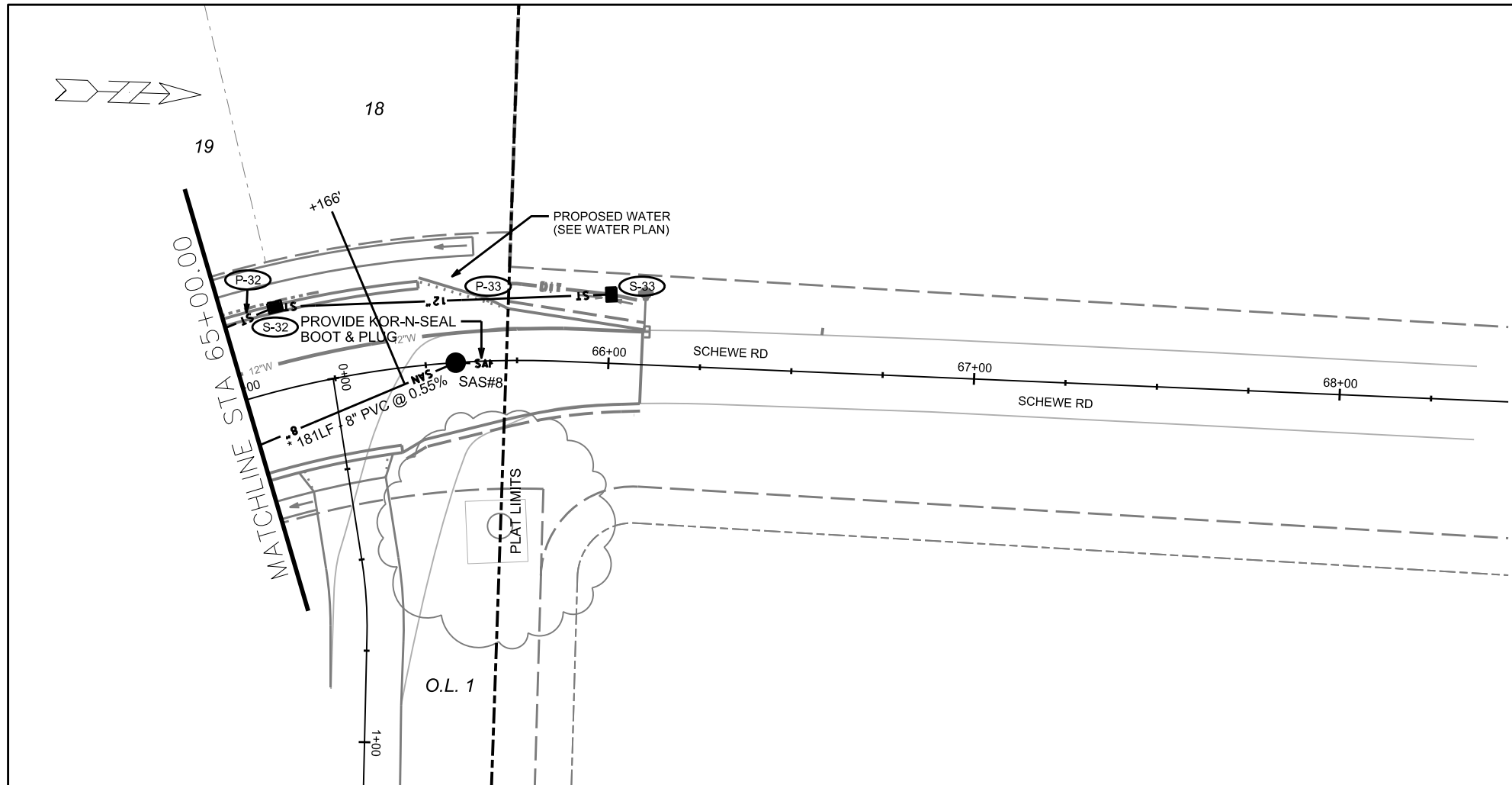


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

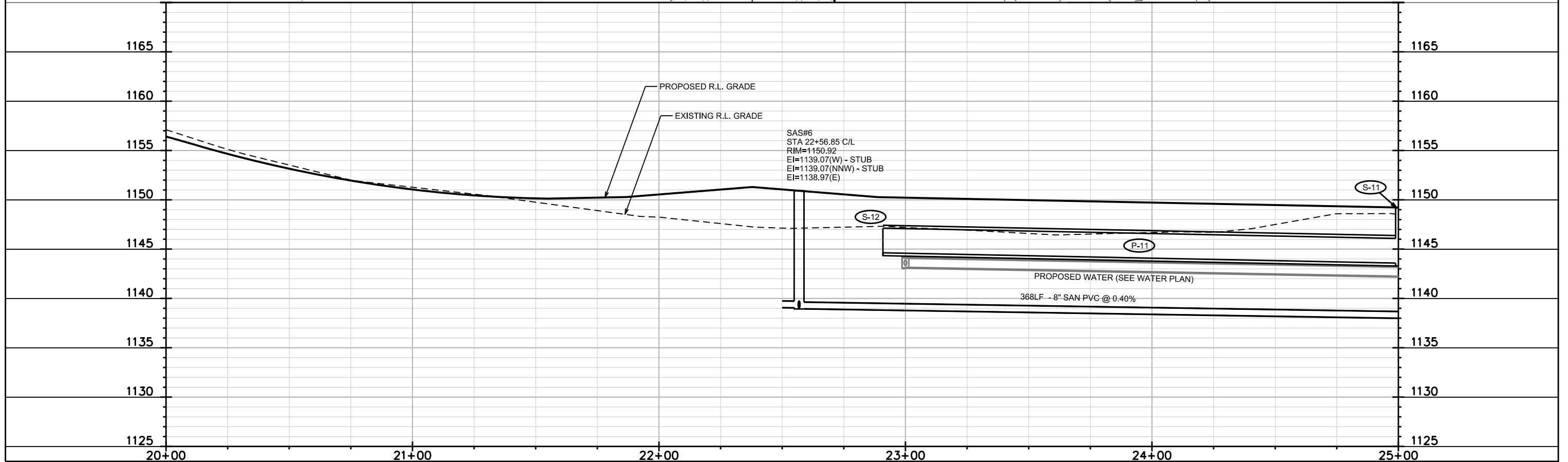
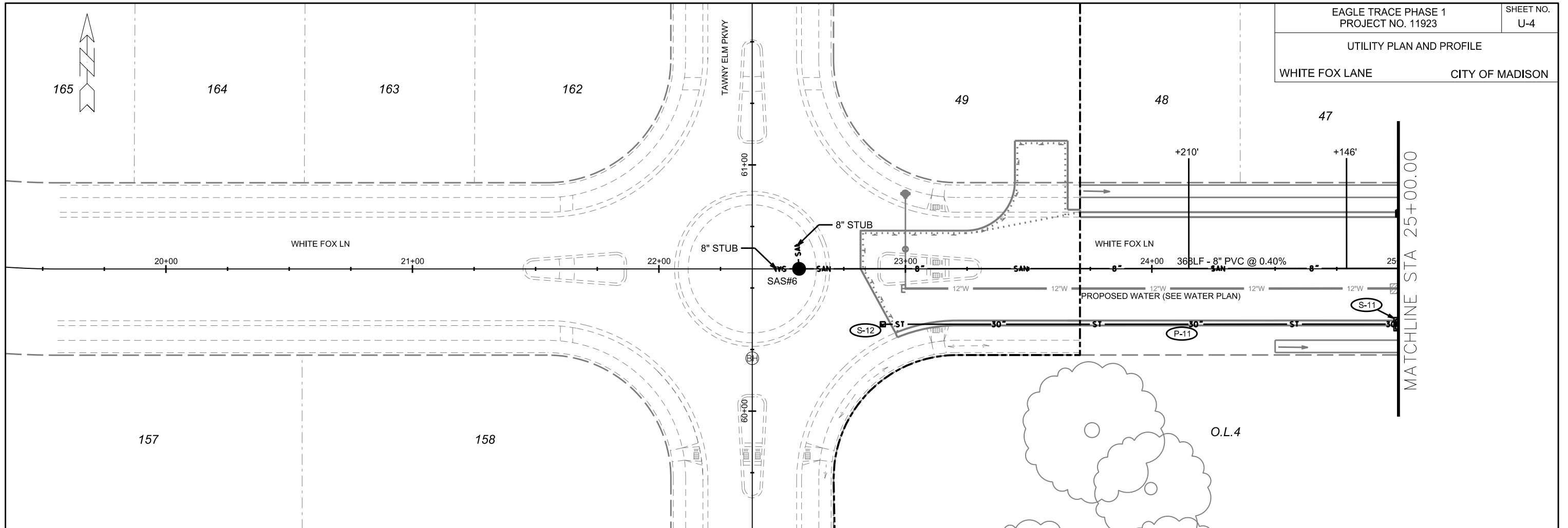


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

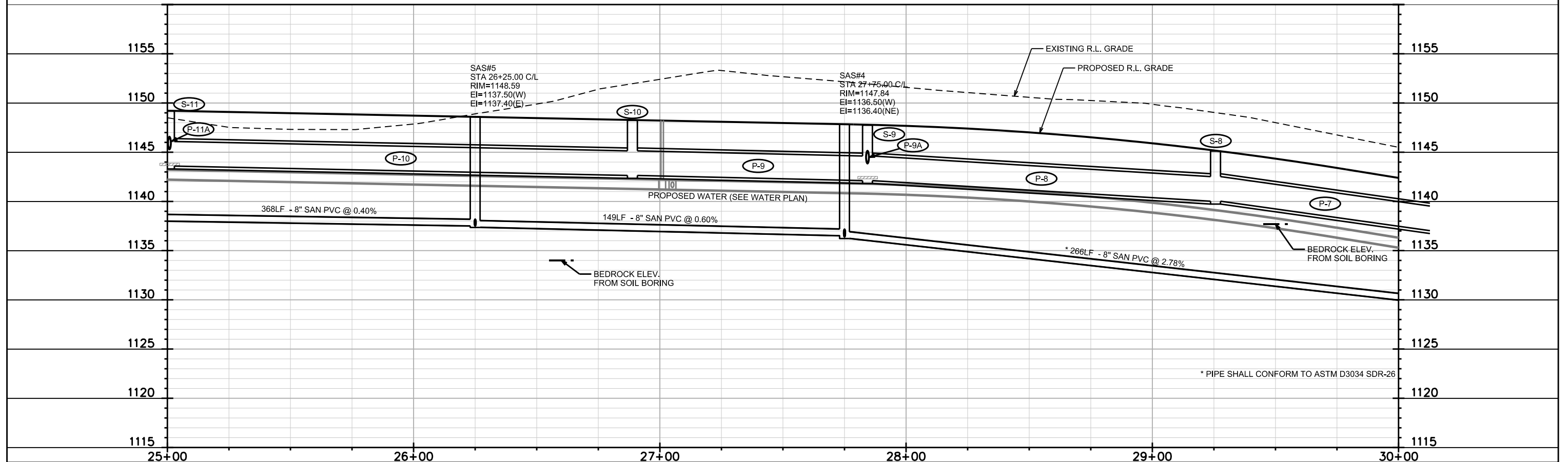
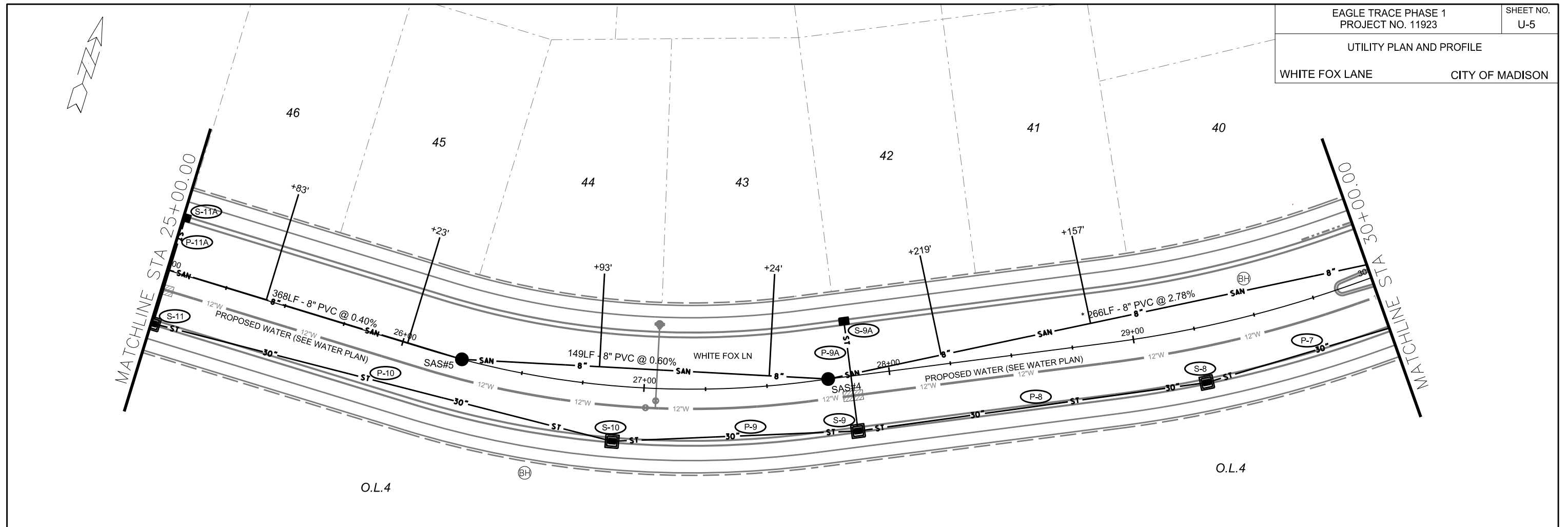


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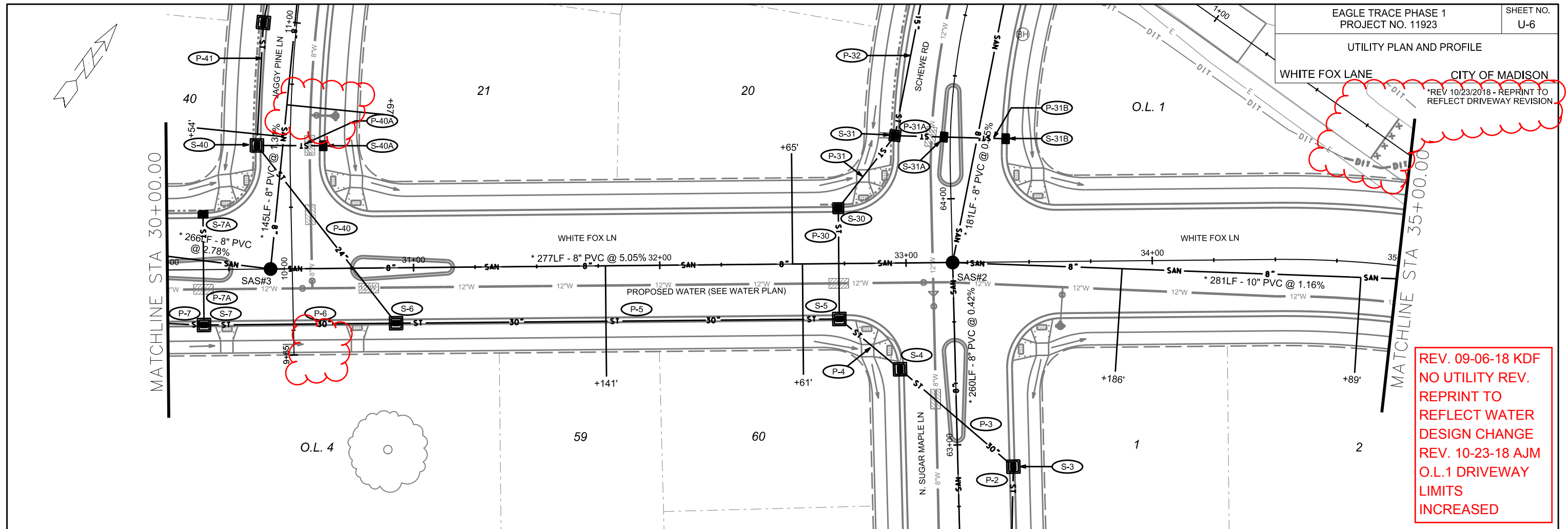
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

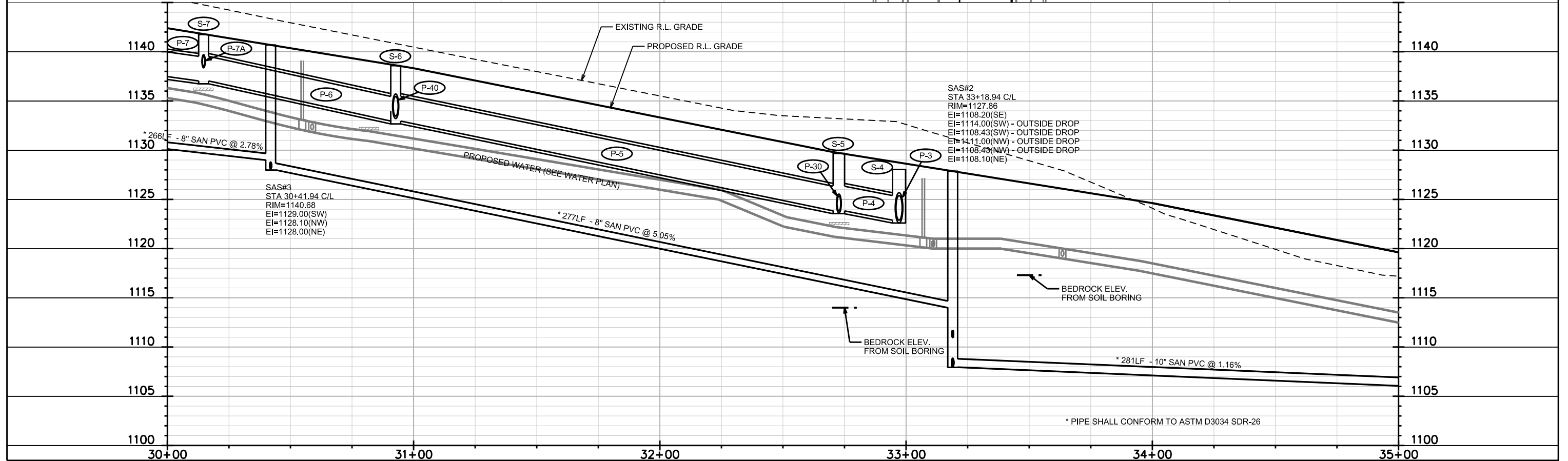


UTILITY PLAN AND PROFILE

WHITE FOX LANE CITY OF MADISON
*REV 10/23/2018 - REPRINT TO REFLECT DRIVEWAY REVISION



REV. 09-06-18 KDF
NO UTILITY REV.
REPRINT TO
REFLECT WATER
DESIGN CHANGE
REV. 10-23-18 AJM
O.L.1 DRIVEWAY
LIMITS
INCREASED



PLOT SCALE:

PLOT NAME:

REV. DATE:

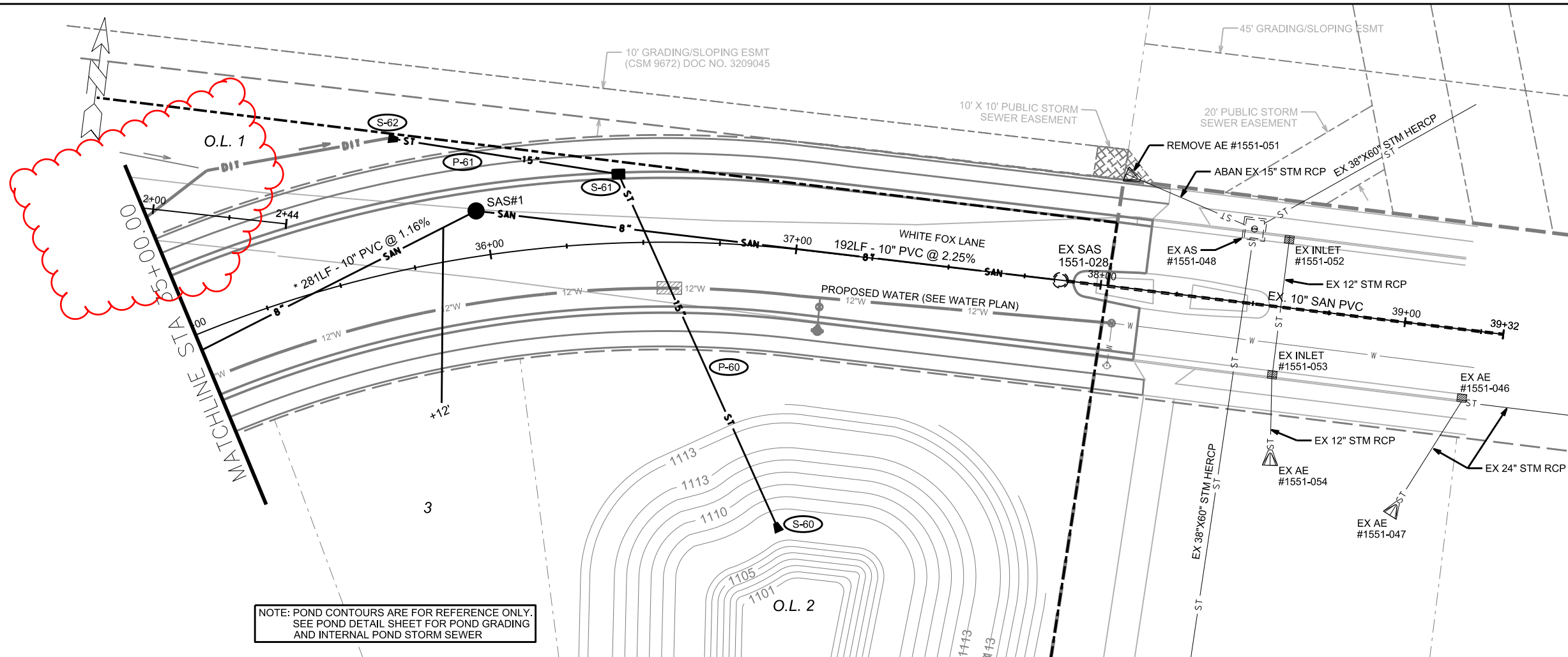
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITY PLAN AND PROFILE

WHITE FOX LANE

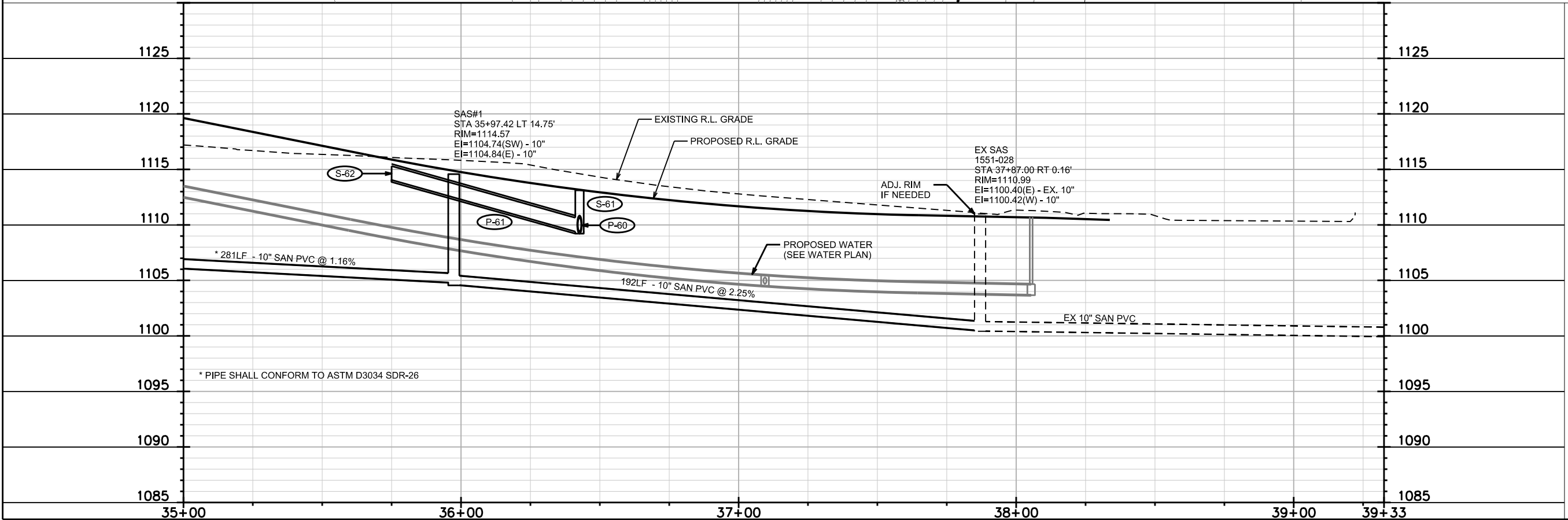
CITY OF MADISON

*REV 10/23/2018 - REPRINT TO REFLECT DRIVEWAY REVISION



NOTE: POND CONTOURS ARE FOR REFERENCE ONLY. SEE POND DETAIL SHEET FOR POND GRADING AND INTERNAL POND STORM SEWER

REV. 10-23-18 AJM
O.L.1 DRIVEWAY
LIMITS
INCREASED



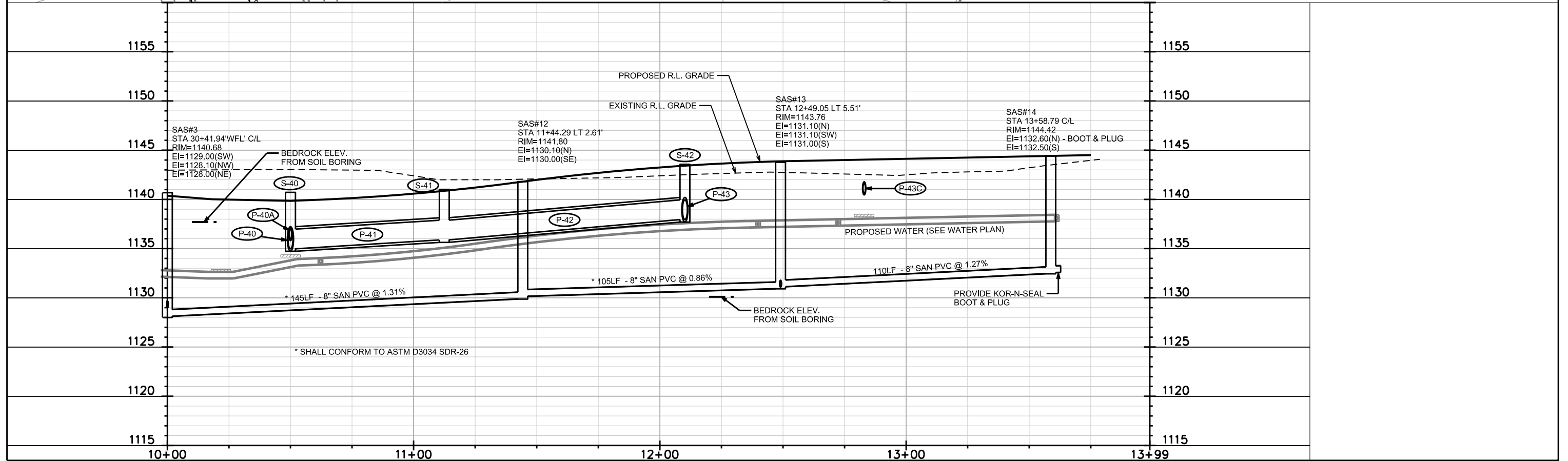
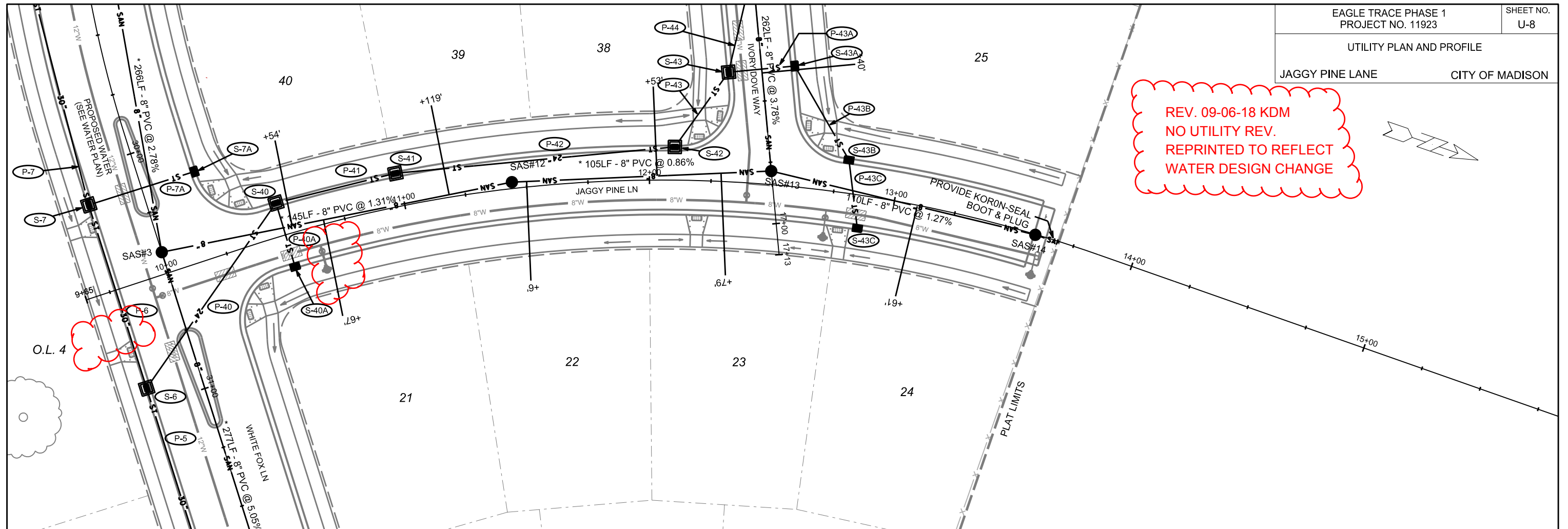
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. 09-06-18 KDM
NO UTILITY REV.
REPRINTED TO REFLECT
WATER DESIGN CHANGE



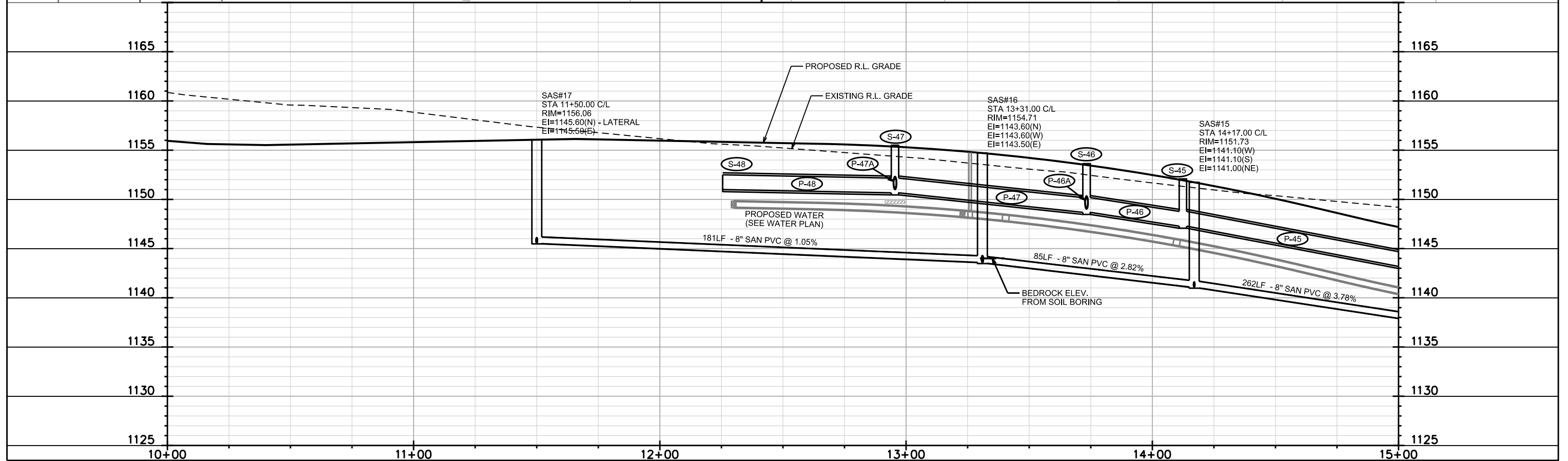
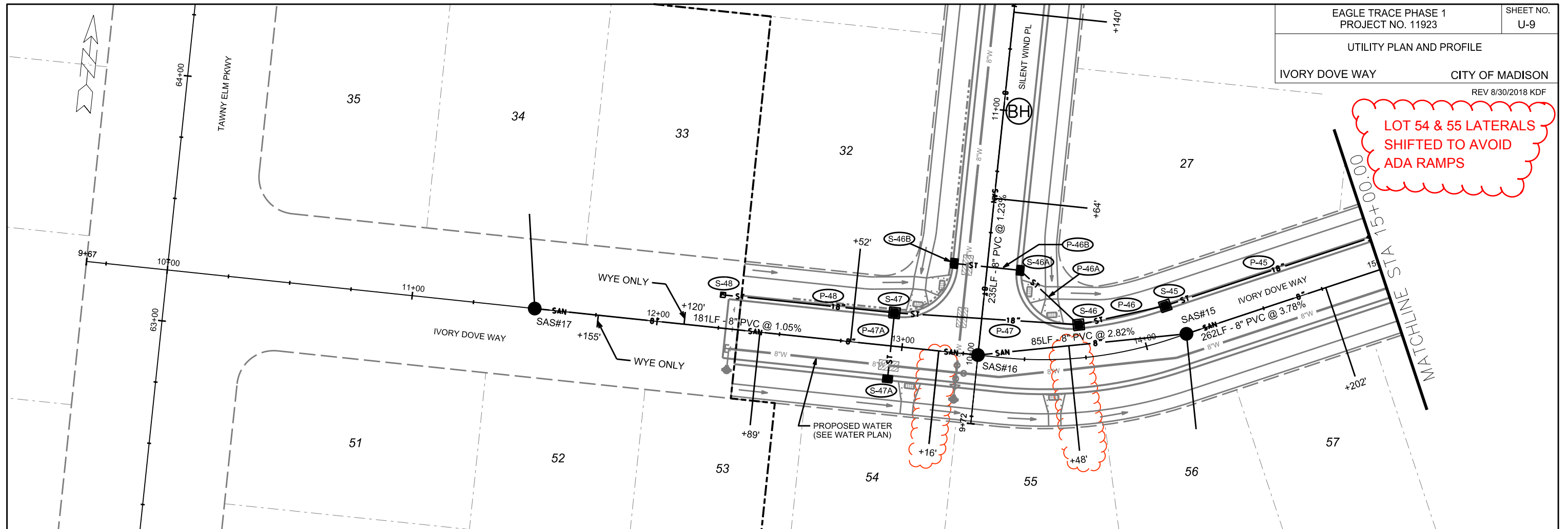
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

LOT 54 & 55 LATERALS
SHIFTED TO AVOID
ADA RAMPS

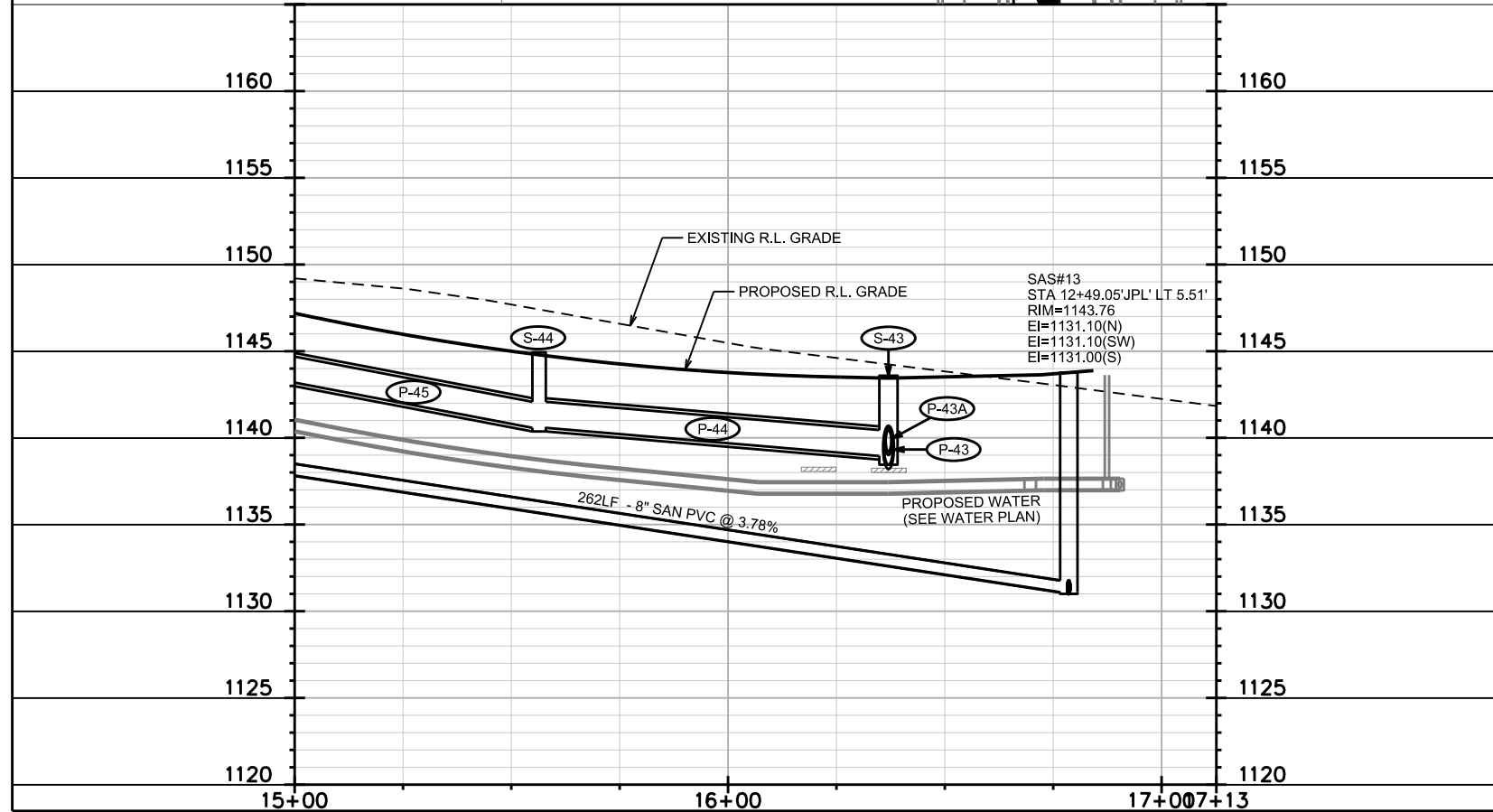
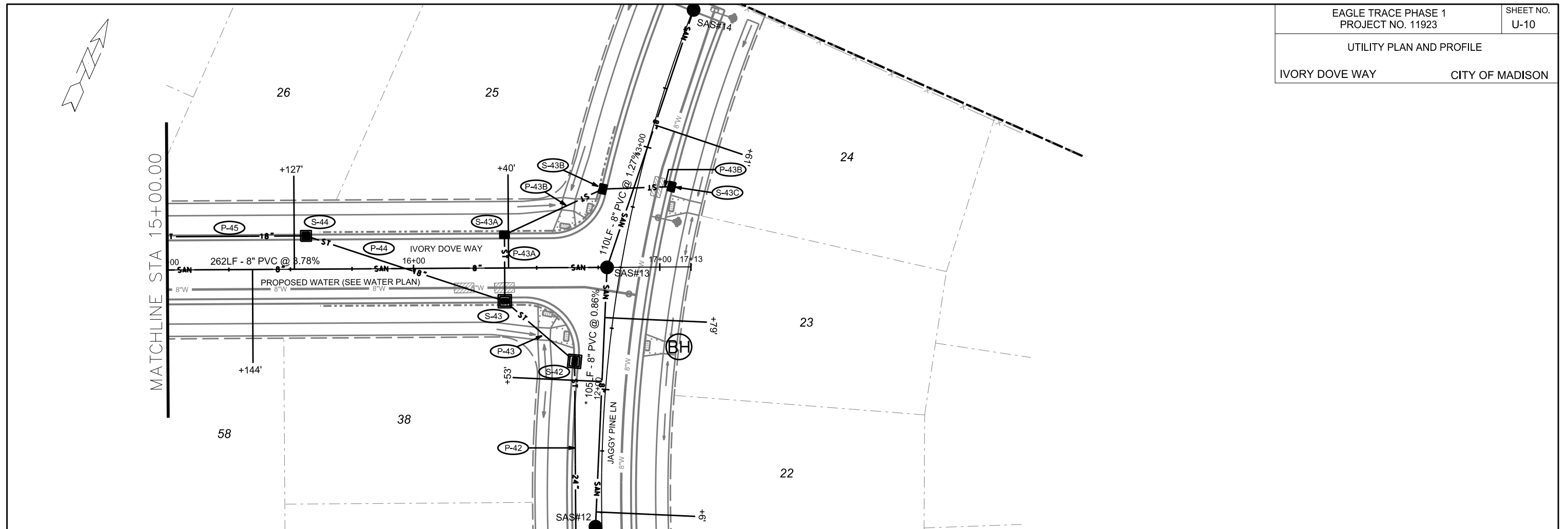


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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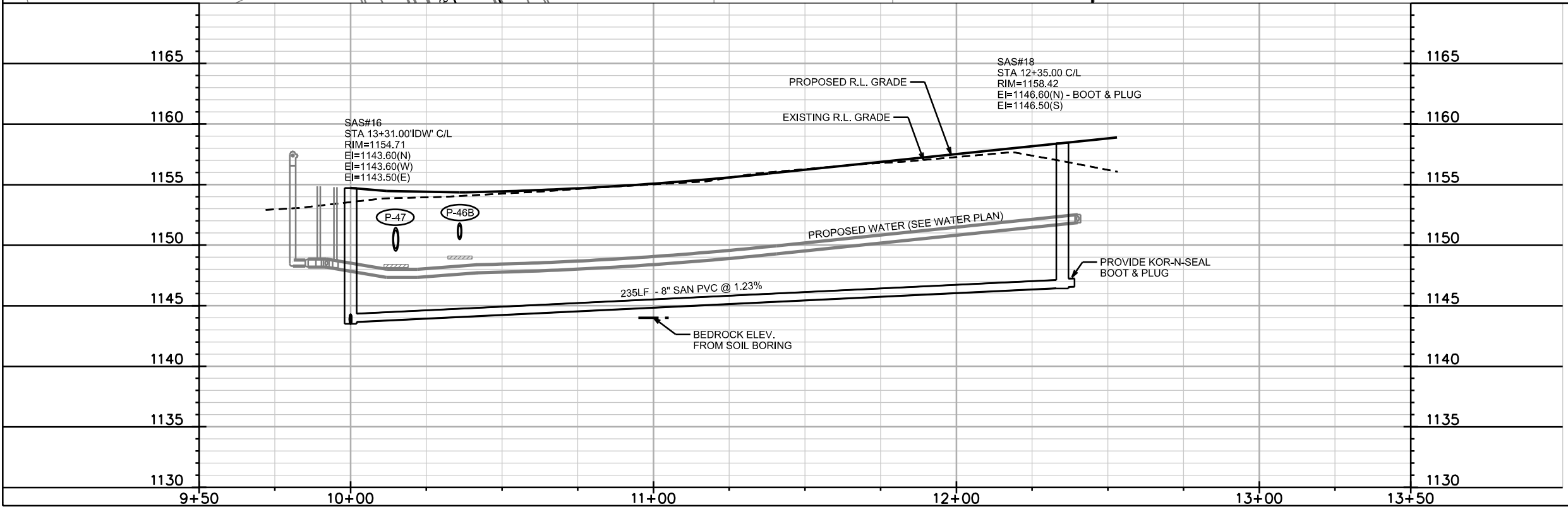
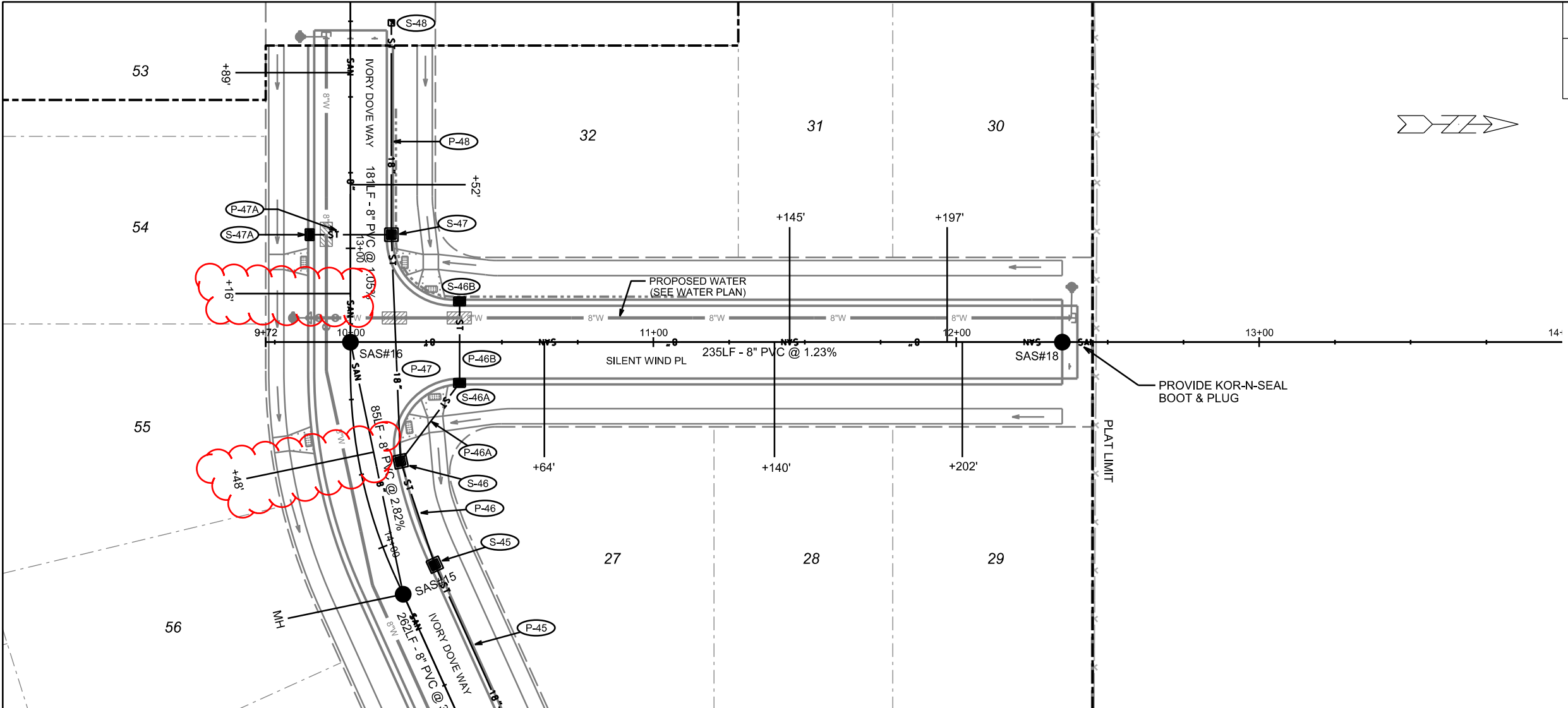
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 8/30/2018 KDF

LOT 54 & 55 LATERALS
SHIFTED TO AVOID ADA RAMPS



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

EAGLE TRACE PHASE 1
PROJECT NO. 11923

SHEET NO.
U-12

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
WHITE FOX LANE						
EX 1551-028	37+87.00	RT-0.16	1110.99	1100.40	10.59	-
SAS#1	35+97.42	LT-14.75	1114.57	1104.74	9.83	-
SAS#2	33+18.94	CL	1127.86	1108.10	19.76	-
SAS#3	30+41.94	CL	1140.68	1128.00	12.68	-
SAS#4	27+75.00	CL	1147.84	1136.40	11.44	-
SAS#5	26+25.00	CL	1148.59	1137.40	11.19	-
SAS#6	22+56.85	CL	1150.92	1138.97	11.95	-

SCHEWE ROAD/SUGAR MAPLE LANE

SAS#8	65+58.23	CL	1130.49	1112.00	18.49	-
SAS#9	61+15.22	RT-10.26	1120.62	1109.30	11.32	install internal chimney seal
SAS#10	59+00.00	RT-7.33	1120.91	1110.30	10.61	-
SAS#11	57+00.00	CL	1127.47	1115.00	12.47	-

JAGGY PINE LANE

SAS#12	11+44.29	LT-2.61	1141.80	1130.00	11.80	-
SAS#13	12+49.05	LT-5.51	1143.76	1131.00	12.76	-
SAS#14	13+58.79	CL	1144.42	1132.50	11.92	-

IVORY DOVE WAY

SAS#15	14+17.00	CL	1151.73	1141.00	10.73	-
SAS#16	13+31.00	CL	1154.71	1143.50	11.21	-
SAS#17	11+50.00	CL	1156.06	1145.50	10.56	-

SILENT WIND PLACE

SAS#18	12+35.00	CL	1158.42	1146.50	11.92	-
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ADJUST SANITARY SEWER STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	EX. RIM	PROP. RIM	DIFF	NOTES
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WHITE FOX LANE

1551-028	37+87.00	RT-0.16	1111.36	1110.99	-0.37	lower rim elevation 0.60'
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PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
WHITE FOX LANE								
EX 1551-028	SAS#1	1100.42	1104.74	192	2.25%	10"	SDR-35	-
SAS#1	SAS#2	1104.84	1108.10	281	1.16%	10"	SDR-26	-
SAS#2	SAS#3	1114.00	1128.00	277	5.05%	8"	SDR-26	-
SAS#3	SAS#4	1129.00	1136.40	266	2.78%	8"	SDR-26	-
SAS#4	SAS#5	1136.50	1137.40	149	0.60%	8"	SDR-35	-
SAS#5	SAS#6	1137.50	1138.97	368	0.40%	8"	SDR-35	-

SCHEWE ROAD/SUGAR MAPLE LANE

SAS#2	SAS#8	1111.00	1112.00	181	0.55%	8"	SDR-26	-
SAS#2	SAS#9	1108.20	1109.30	260	0.42%	8"	SDR-26	-
SAS#9	SAS#10	1109.40	1110.30	217	0.41%	8"	SDR-35	-
SAS#10	SAS#11	1110.40	1115.00	201	2.29%	8"	SDR-35	-

JAGGY PINE LANE

SAS#3	SAS#12	1128.10	1130.00	145	1.31%	8"	SDR-26	-
SAS#12	SAS#13	1130.10	1131.00	105	0.86%	8"	SDR-26	-
SAS#13	SAS#14	1131.10	1132.50	110	1.27%	8"	SDR-35	-

IVORY DOVE WAY

SAS#13	SAS#15	1131.10	1141.00	262	3.78%	8"	SDR-35	-
SAS#15	SAS#16	1141.10	1143.50	85	2.82%	8"	SDR-35	-
SAS#16	SAS#17	1143.60	1145.50	181	1.05%	8"	SDR-35	-

SILENT WIND PLACE

SAS#16	SAS#18	1143.60	1146.50	235	1.23%	8"	SDR-35	-
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STORM SEWER SCHEDULE

EAGLE TRACE PHASE 1
PROJECT NO. 11923

SHEET NO.
U-13

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
SUGAR MAPLE LANE / SCHEWE ROAD							
S-1	61+25.58	RT-93.79	36" RCP AE	-	1107.00	-	W/GATE
S-2	61+32.00	RT-22.50	5X5 SAS	1121.04	1113.98	7.06	W/R-3067-7004-V
S-3	62+90.57	RT-22.50	4X4 SAS	1125.42	1120.54	4.88	FP, W/R-3067-7004-V
S-4	63+31.30	LT-22.50	4X4 SAS	1128.04	1122.89	5.15	FP, W/R-3067-7004-V
S-20	60+90.87	RT-22.50	4X4 SAS	1120.58	1115.86	4.72	[1], LP, W/R-3067-7004-VB
S-20A	60+91.00	LT-22.50	H INLET	1120.58	1116.57	4.01	[1], LP, W/R-3067-7004-VB
S-21	59+16.73	RT-22.50	H INLET	1120.93	1116.99	3.94	[1], LP, W/R-3067-7004-VB
S-21A	59+17.82	LT-22.50	H INLET	1120.93	1117.45	3.48	[1], LP, W/R-3067-7004-VB
S-31	64+25.00	LT-22.50	3X3 SAS	1128.50	1124.32	4.18	LP, W/R-3067-7004-VB
S-31A	64+25.00	LT-2.60	H INLET	1127.86	1124.41	3.45	[1], LP, W/R-3067-7004-VB
S-31B	64+25.00	RT-22.50	H INLET	1126.82	1124.53	2.29	FP, W/R-3067-7004-V
S-32	65+13.51	LT-22.50	H INLET	1129.42	1125.01	4.41	W/R-3067-7004-V
S-33	66+00.00	LT-18.81	H INLET	1130.06	1127.05	3.01	LP, W/1878-B7G
WHITE FOX LANE							
S-5	32+72.71	RT-22.50	4X4 SAS	1129.67	1123.83	5.85	FP, W/R-3067-7004-V
S-6	30+92.71	RT-22.50	4X4 SAS	1138.58	1132.96	5.62	W/R-3067-7004-V
S-7	30+14.71	RT-22.50	4X4 SAS	1141.75	1137.03	4.72	FP, W/R-3067-7004-V
S-7A	30+14.71	LT-22.50	H INLET	1141.75	1138.74	3.01	W/R-3067-7004-V
S-8	29+25.66	RT-22.50	4X4 SAS	1145.12	1140.02	5.10	FP, W/R-3067-7004-V
S-9	27+84.33	RT-22.50	4X4 SAS	1147.75	1142.11	5.64	W/R-3067-7004-V
S-9A	27+84.33	LT-22.50	H INLET	1147.75	1144.31	3.44	W/R-3067-7004-V
S-10	26+88.85	RT-22.50	4X4 SAS	1148.23	1142.64	5.59	W/R-3067-7004-V
S-11	25+00.85	RT-22.50	4X4 SAS	1149.17	1143.59	5.58	W/R-3067-7004-V
S-11A	25+00.85	LT-22.50	H INLET	1149.17	1145.64	3.53	W/R-3067-7004-V
S-12	22+90.85	RT-22.50	PLUG	-	1144.63	-	-
S-30	32+72.71	LT-22.50	3X3 SAS	1129.67	1124.15	5.53	W/R-3067-7004-V
S-60	37+05.19	RT-92.18	15" RCP AE	-	1107.50	-	W/GATE
S-61	36+42.70	LT-22.50	H INLET	1113.12	1109.40	3.72	W/R-3067-7004-V
S-62	35+75.00	LT-43.15	15" RCP AE	-	1114.05	-	W/GATE
JAGGY PINE LANE							
S-40	10+50.00	LT-13.50	4X4 SAS	1140.71	1134.98	5.73	FP, LP, W/R-3067-7004-VB
S-40A	10+50.00	RT-13.50	H INLET	1139.75	1136.10	3.65	[1]W/R-3067-7004-V
S-41	10+98.80	LT-13.50	4X4 SAS	1141.18	1135.90	5.28	W/R-3067-7004-V
S-42	12+10.17	LT-13.50	4X4 SAS	1143.56	1137.95	5.61	W/R-3067-7004-V
S-43B	12+79.36	LT-13.50	H INLET	1144.16	1140.49	3.67	W/R-3067-7004-V
S-43C	12+86.78	RT-13.50	H INLET	1144.20	1140.75	3.45	W/R-3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
SUGAR MAPLE LANE / SCHEWE ROAD										
P-1	S-1	S-2	1107.00	1113.98	71.5	69.1	10.10%	36"	TYPE II	-
P-2	S-2	S-3	1114.48	1120.54	162	157.3	3.85%	30"	TYPE II	-
P-3	S-3	S-4	1120.54	1122.89	61	55.3	4.25%	30"	TYPE I	-
P-4	S-4	S-5	1122.89	1123.83	32	26.7	3.50%	30"	TYPE II	-
P-20	S-2	S-20	1115.48	1115.86	42.5	38.5	1.00%	18"	TYPE II	-
P-20A	S-20	S-20A	1116.36	1116.57	45	42.5	0.50%	12"	TYPE I	-
P-21	S-20	S-21	1116.11	1116.99	179.5	176.6	0.50%	15"	TYPE II	-
P-21A	S-21	S-21A	1117.24	1117.45	45	42.5	0.50%	12"	TYPE I	-
P-31	S-30	S-31	1124.15	1124.32	37.5	33.7	0.50%	15"	TYPE I	-
P-31A	S-31	S-31A	1124.32	1124.41	20	17.4	0.50%	12"	TYPE I	-
P-31B	S-31A	S-31B	1124.41	1124.53	25	23.1	0.50%	15"	TYPE II	-
P-32	S-31	S-32	1124.32	1125.01	95.5	92.5	0.75%	15"	TYPE II	-
P-33	S-32	S-33	1125.26	1127.05	92	89.5	2.00%	12"	TYPE II	-
WHITE FOX LANE										
P-5	S-5	S-6	1123.83	1132.96	180	176	5.20%	30"	TYPE II	-
P-6	S-6	S-7	1132.96	1137.03	78	74	5.50%	30"	TYPE II	-
P-7	S-7	S-8	1137.03	1140.02	92	88	3.40%	30"	TYPE II	-
P-7A	S-7	S-7A	1138.53	1138.74	45	42	0.50%	12"	TYPE I	-
P-8	S-8	S-9	1140.02	1142.11	143	139	1.50%	30"	TYPE II	-
P-9	S-9	S-10	1142.11	1142.64	100	96	0.55%	30"	TYPE II	-
P-9A	S-9	S-9A	1143.99	1144.31	45	42.5	0.75%	12"	TYPE I	-
P-10	S-10	S-11	1142.64	1143.59	192.5	188.3	0.50%	30"	TYPE II	-
P-11	S-11	S-12	1143.59	1144.63	210	208.5	0.50%	30"	TYPE II	-
P-11A	S-11	S-11A	1145.43	1145.64	45	42.5	0.50%	12"	TYPE II	-
P-30	S-5	S-30	1123.83	1124.15	45	42	0.75%	18"	TYPE I	-
P-60	S-60	S-61	1107.50	1109.40	128	127	1.50%	15"	TYPE I	-
P-61	S-61	S-62	1109.40	1114.05	76	74.5	6.25%	15"	TYPE II	-
JAGGY PINE LANE										
P-40	S-6	S-40	1133.46	1134.98	92	86.6	1.75%	24"	TYPE I	-
P-40A	S-40	S-40A	1135.98	1136.10	27	24	0.50%	12"	TYPE I	-
P-41	S-40	S-41	1134.98	1135.90	50	46	2.00%	24"	TYPE II	-
P-42	S-41	S-42	1135.90	1137.95	114	110	1.86%	24"	TYPE II	-
P-43	S-42	S-43	1137.95	1138.45	37.5	32.3	1.55%	24"	TYPE II	-
P-43B	S-43A	S-43B	1139.87	1140.49	44	41.1	1.50%	12"	TYPE II	-
P-43C	S-43B	S-43C	1140.49	1140.75	28	26	1.00%	12"	TYPE I	-

NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

SPECIFIC NOTES

[1] INSTALL LOW POINT PVC DRAIN PER S.D.D. 5.7.7A

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 KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

EAGLE TRACE PHASE 1
PROJECT NO. 11923

SHEET NO.
U-14

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
IVORY DOVE WAY							
S-43	16+37.00	RT-13.50	4X4 SAS	1143.59	1138.45	5.14	[1], LP, W/R-3067-7004-VB
S-43A	16+37.00	LT-13.50	H INLET	1143.59	1139.62	3.97	[1], LP, W/R-3067-7004-VB
S-44	15+56.40	LT-13.50	3X3 SAS	1144.93	1140.58	4.35	W/R-3067-7004-V
S-45	14+12.40	LT-13.50	3X3 SAS	1152.08	1147.28	4.80	W/R-3067-7004-V
S-46	13+73.28	LT-13.50	3X3 SAS	1153.63	1148.68	4.95	W/R-3067-7004-V
S-47	12+95.50	LT-13.50	3X3 SAS	1155.50	1150.66	4.84	W/R-3067-7004-V
S-47A	12+95.50	RT-13.50	H INLET	1155.50	1151.77	3.73	W/R-3067-7004-V
S-48	12+25.50	LT-13.50	PLUG	-	1151.00	-	-
SILENT WIND PLACE							
S-46A	10+36.00	RT-13.50	H INLET	1154.49	1150.64	3.85	W/R-3067-7004-V
S-46B	10+36.00	LT-13.50	H INLET	1154.49	1150.89	3.60	[1], LP, W/R-3067-7004-VB

PROPOSED STORM PIPES

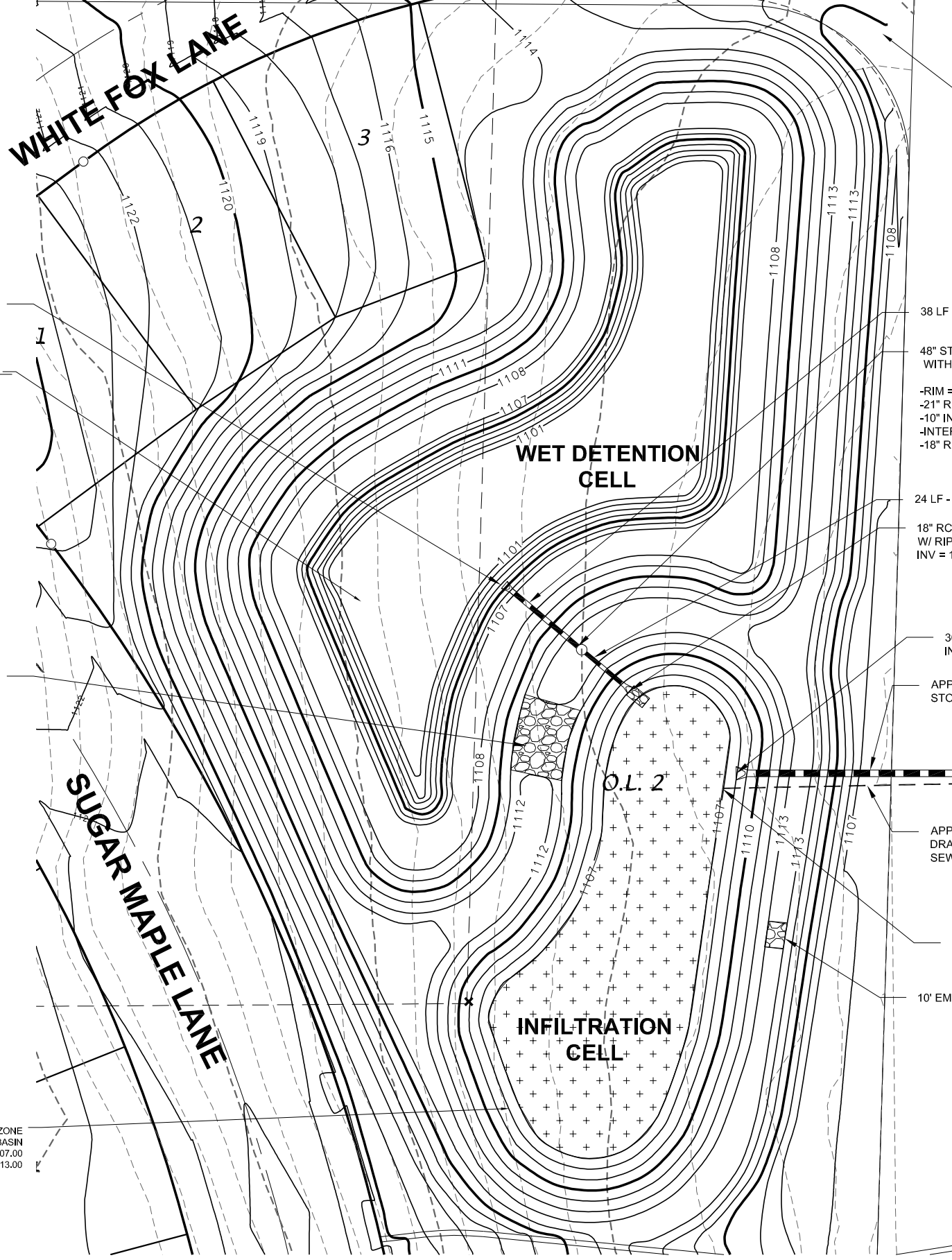
PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
IVORY DOVE WAY										
P-43A	S-43	S-43A	1139.20	1139.62	27	24	1.75%	15"	TYPE I	-
P-44	S-43	S-44	1138.95	1140.58	85	81.3	2.00%	18"	TYPE I	-
P-45	S-44	S-45	1140.58	1147.28	144	141	4.75%	18"	TYPE II	-
P-46	S-45	S-46	1147.28	1148.68	36	33	4.25%	18"	TYPE II	-
P-46A	S-46	S-46A	1149.18	1150.64	32.5	29.1	5.00%	12"	TYPE II	-
P-47	S-46	S-47	1148.68	1150.66	75	71.9	2.75%	18"	TYPE I	-
P-47A	S-47	S-47A	1151.16	1151.77	27	24.5	2.50%	12"	TYPE I	-
P-48	S-47	S-48	1150.66	1151.00	70	68.5	0.50%	18"	TYPE II	-
SILENT WIND PLACE										
P-46B	S-46A	S-46B	1150.64	1150.89	27	25	1.00%	12"	TYPE I	-

SPECIFIC NOTES

[1] INSTALL LOW POINT PVC DRAIN PER S.D.D. 5.7.7A

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 KYLE OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.



PROPOSED NE WET DETENTION BASIN
 TOP OF POND BERM - 1113.00 AREA = 42,591 SQFT
 NORMAL WATER LEVEL/OUTLET - 1108.00 AREA = 25,902 SQFT
 BOTTOM OF WET POND - 1101.00

21" RCP APRON ENDWALL
 INV = 1104.50

20' OVERFLOW WEIR @ 1111.00
 W/ RIPRAP PAD

PROPOSED 12" DEPRESSION ZONE
 INFILTRATION BASIN
 9,500 SQFT @ 1107.00
 (TOP OF BERM) @ 1113.00

38 LF - 21" RCP STORM SEWER @ 0.00%

48" STORM STRUCTURE IN BERM
 WITH INTERNAL CONTROL STRUCTURE
 -RIM = 1112.70
 -21" RCP INLET CULVERT @ 1104.50
 -10" INTERNAL ORIFICE @ 1108.00
 -INTERNAL OVERFLOW WEIR @ 1109.50
 -18" RCP OUTFLOW CULVERT @ 1108.00

24 LF - 18" RCP STORM SEWER @ 0.00%

18" RCP APRON ENDWALL
 W/ RIPRAP PAD
 INV = 1108.00

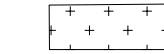
30" RCP APRON ENDWALL
 INV = 1108.00

APPROX. 144 LF - 30" RCP
 STORM SEWER @ 3.99% ±

APPROX. 148 LF - 6" CAPPED
 DRAWDOWN PIPE STORM
 SEWER @ 2.03% ±

6" CAPPED EMERGENCY DRAWDOWN PIPE
 END. INV = 1107.00

10' EMERGENCY OVERFLOW
 WEIR @ 1112.75
 W/ RIPRAP PAD

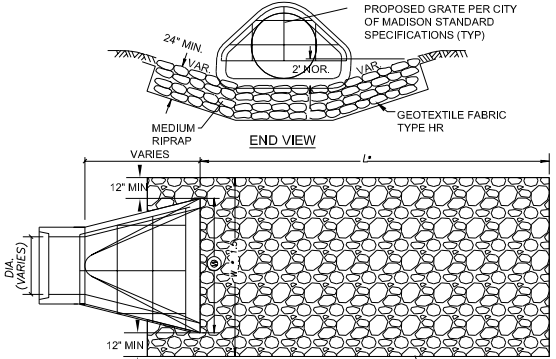


HATCH INDICATES INFILTRATION BASIN BOTTOM AREA.
 THIS AREA SHALL BE SEEDED WITH A NATIVE SEED MIX
 TOLERANT OF FLUCTUATING WATER CONDITIONS.

ROUTE 30" OUTLET PIPE TO EXISTING 38"x60" ELLIPTICAL
 PIPE STRUCTURE (6"x6" SAS 1551-050), EX INV = 1101.79±,
 EX RIM = 1106.20±. FIELD VERIFY LOCATION OF ROUTING
 AND CONNECTION POINT PRIOR TO CONSTRUCTION.

CONNECT 30" RCP TO EXISTING
 SAS @ 1102.25

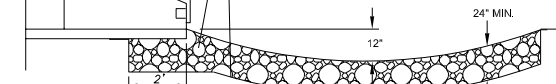
CONNECT 6" CAPPED DRAWDOWN PIPE TO EXISTING
 SAS @ 1104.00



* L = 3 TIMES DIAMETER (NOM.) (10' MIN.) OR AS DIRECTED BY THE ENGINEER/PLAN

RIPRAP SHALL MEET STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 606, AND SUPPLEMENTAL SPECIFICATIONS, LATEST EDITION.

TYPE HR GEOTEXTILE FABRIC SHALL MEET STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 645, AND SUPPLEMENTAL SPECIFICATIONS, LATEST EDITION.



SIDE VIEW
 RIP-RAP PAD

- GENERAL NOTES:
- ALL SITE WORK AND MATERIALS SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS.
 - EROSION CONTROL MEASURES SHALL BE PLACED PER THE APPROVED EROSION CONTROL PLAN.
 - LENGTHS OF CULVERTS INCLUDE ENDWALLS.
 - CULVERT LENGTHS SHALL BE FIELD VERIFIED DURING CONSTRUCTION TO ENSURE THAT THEY ARE LONG ENOUGH TO CONFORM TO TYPICAL CROSS SECTION.
 - ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" OF TOPSOIL, FERTILIZER, SEED AND MULCH. SEED MIXTURE SHALL BE WISCONSIN DOT SEED MIX #40 OR EQUIVALENT APPLIED AT A RATE OF 5 POUNDS PER 100 SQFT ON ALL DISTURBED AREAS. ANNUAL RYEGRASS AT A RATE OF 1 1/2 POUNDS PER 1000 SQFT SHALL BE ADDED TO THE MIXTURE. FERTILIZER SHALL BE PLACED PER A SOIL TEST. THE INFILTRATION AREA SHALL BE SEEDED WITH A SEED MIX TOLERANT OF FLUCTUATING WATER CONDITIONS.
 - ENGINEERED SOIL IN INFILTRATION BASIN SHALL BE 70-85% SAND & 15-30% COMPOST
 - SEE APPROVED ENGINEERING PLANS FOR SITE STORM SEWER TYPE, LENGTHS, AND SIZES
 - A CERTIFIED SOIL INSPECTOR SHALL CERTIFY THAT THE PROPOSED SOILS TO BE USED FOR THE INFILTRATION BASIN BACKFILL LAYER HAS THE INFILTRATION RATE REQUIRED PRIOR TO BACKFILLING. CLEAN SAND OR CLEAR STONE MAY BE USED AS AN ALTERNATIVE BACKFILL MATERIAL.

PLAN VIEW
 PROPOSED NORTHEAST WET DETENTION/INFILTRATION BASIN DETAIL
 NOT TO SCALE



D'ONFRID KOTTKE AND ASSOCIATES, INC.
 7530 Westward Way, Madison, WI 53717
 Phone: 608.833.7550 • Fax: 608.833.1089
 YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

NORTHEAST DETENTION/INFILTRATION BASIN DETAIL
 PLAN VIEW

EAGLE TRACE

CITY OF MADISON, WISCONSIN

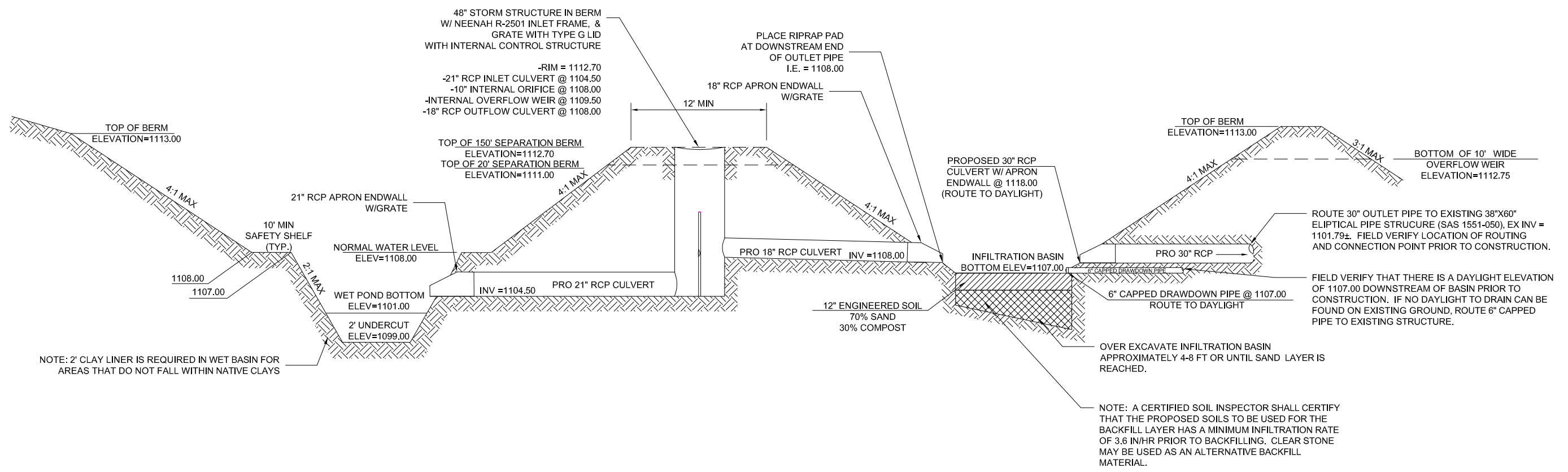


DATE: 08/16/18
 REVISED:

DRAWN BY: GVP

FN: 17-04-105

Sheet Number:
 1 OF 2



PROFILE VIEW

PROPOSED NORTHEAST WET DETENTION/INFILTRATION BASIN DETAIL
 NOT TO SCALE

DATE: 08/16/18
 REVISED:

DRAWN BY: GVP

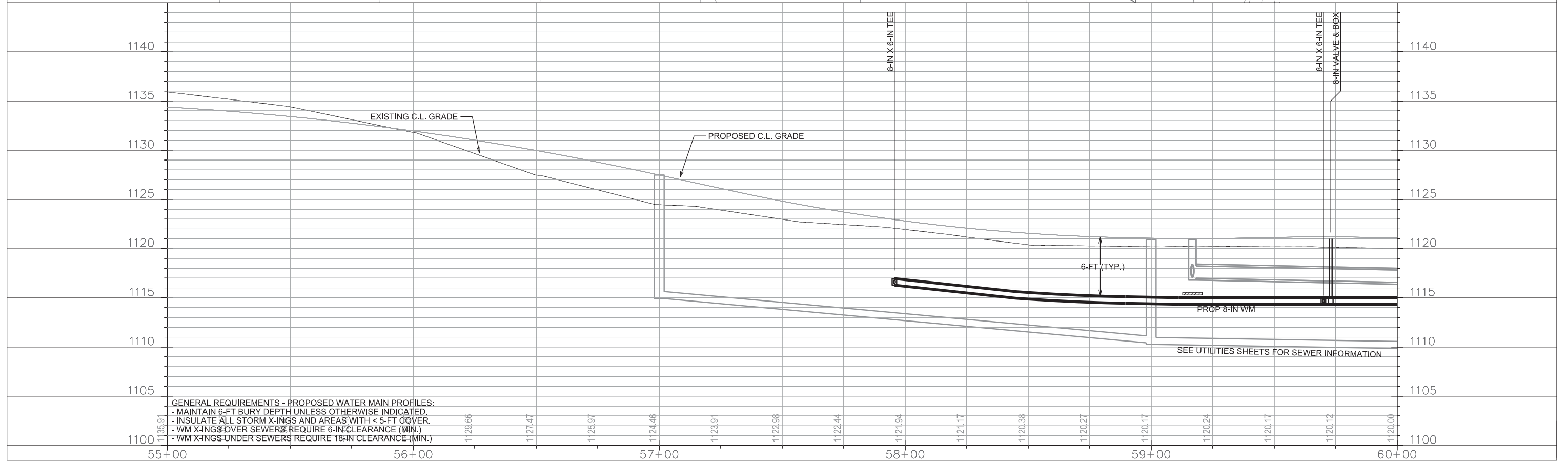
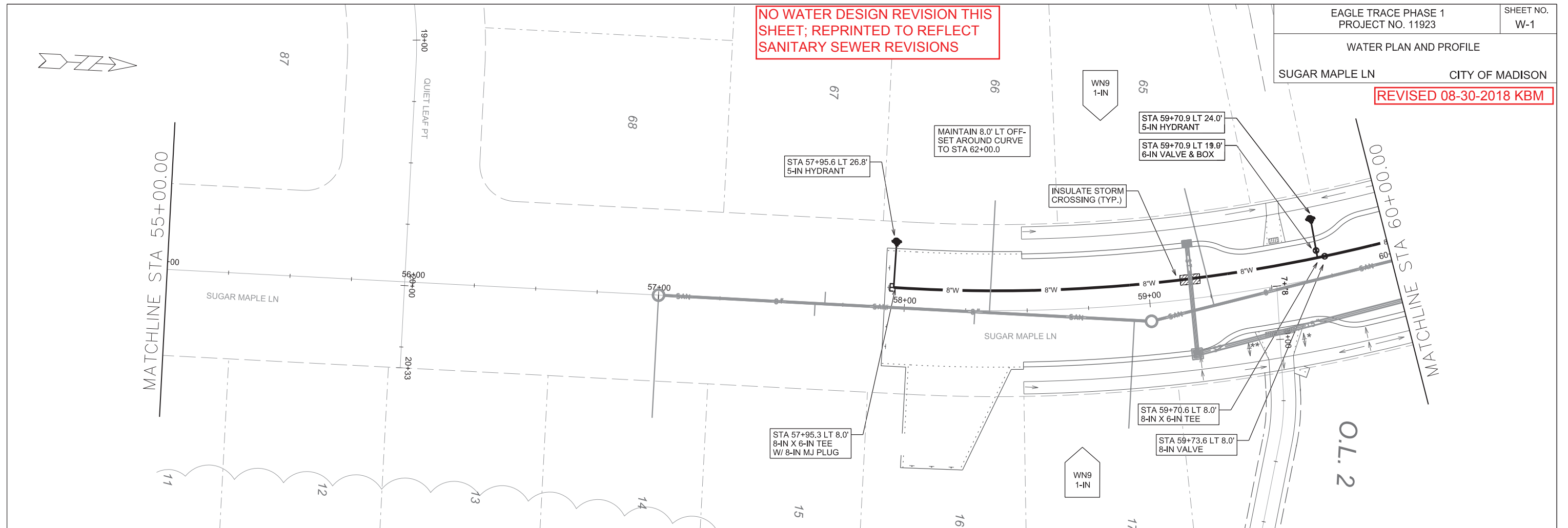
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2 OF 2



NO WATER DESIGN REVISION THIS SHEET; REPRINTED TO REFLECT SANITARY SEWER REVISIONS



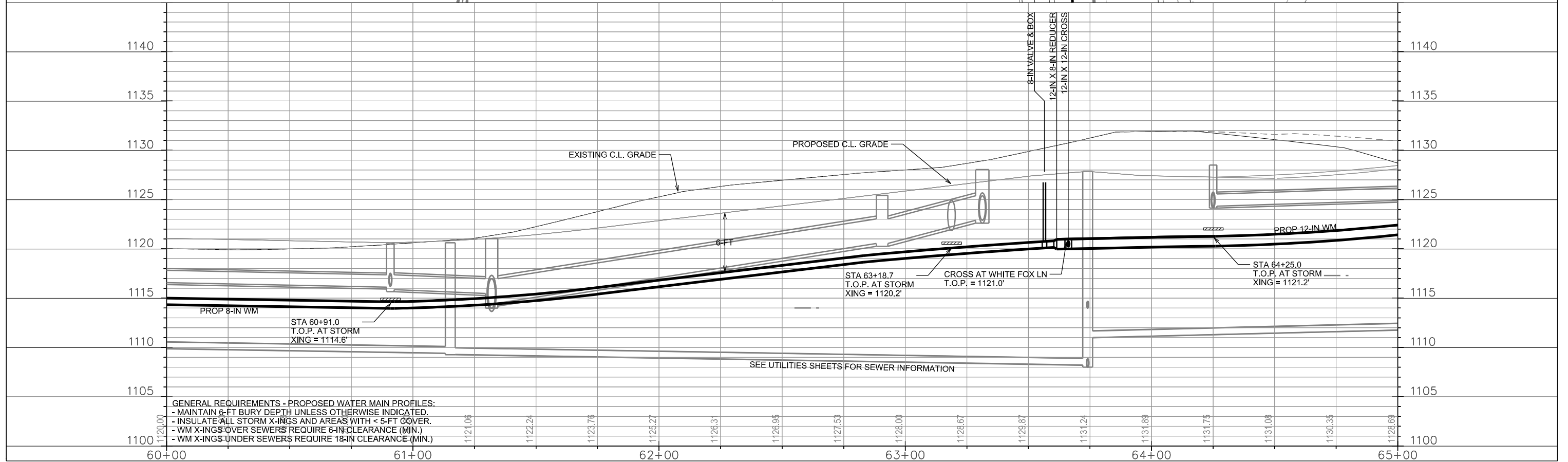
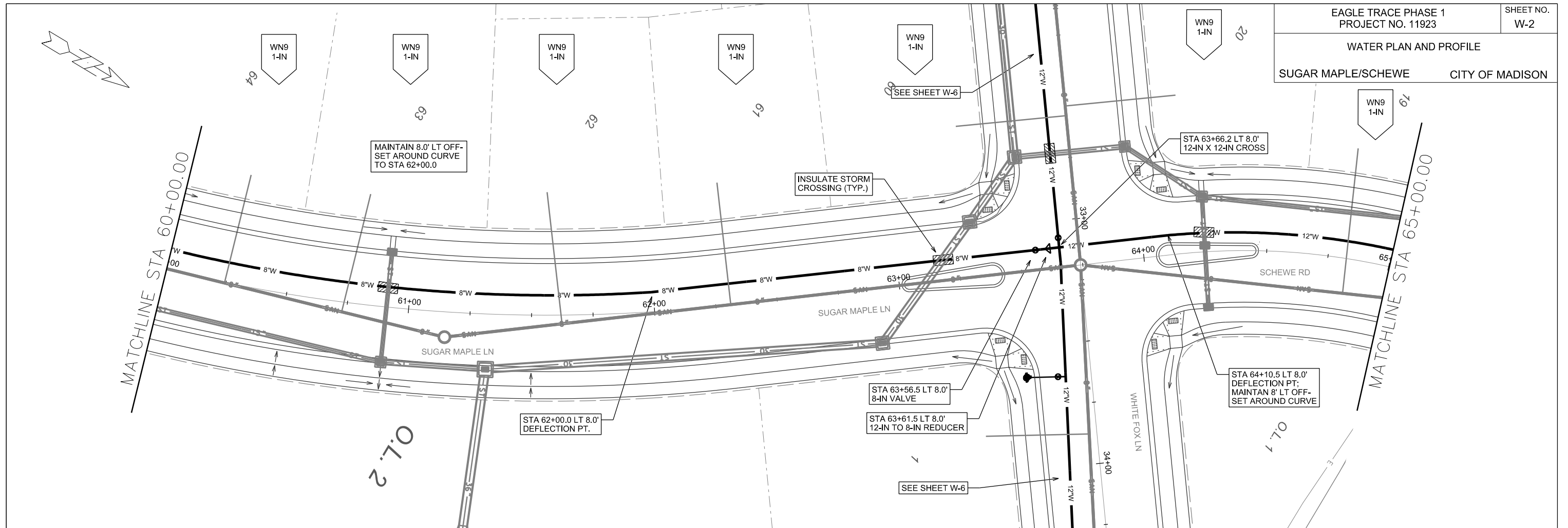
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 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

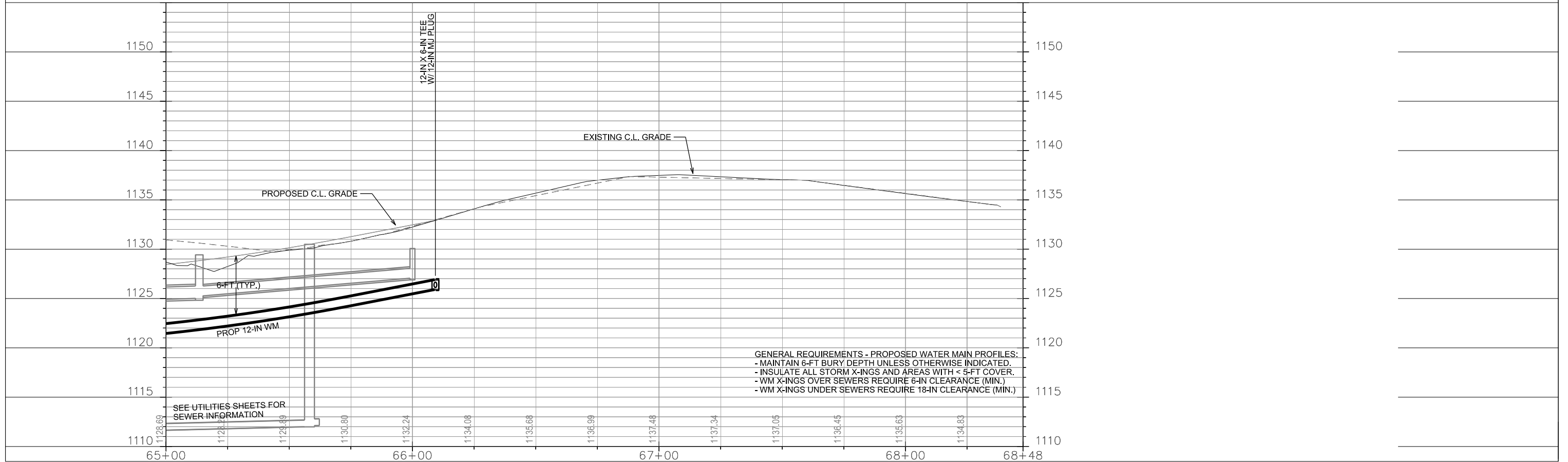
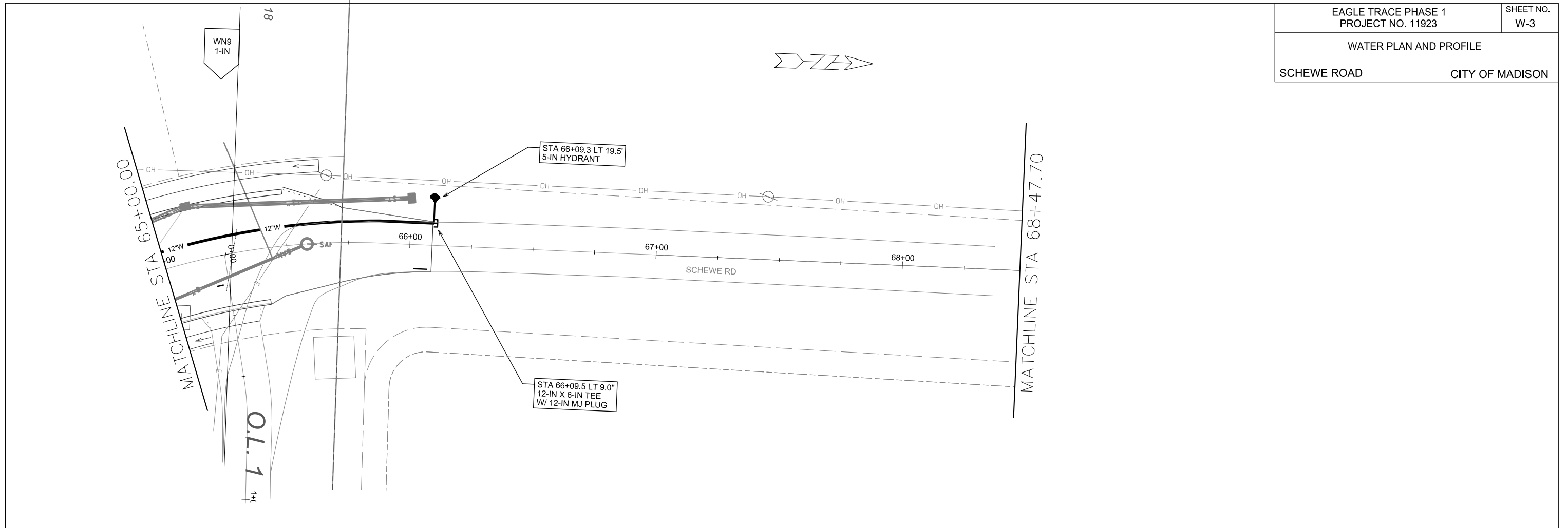


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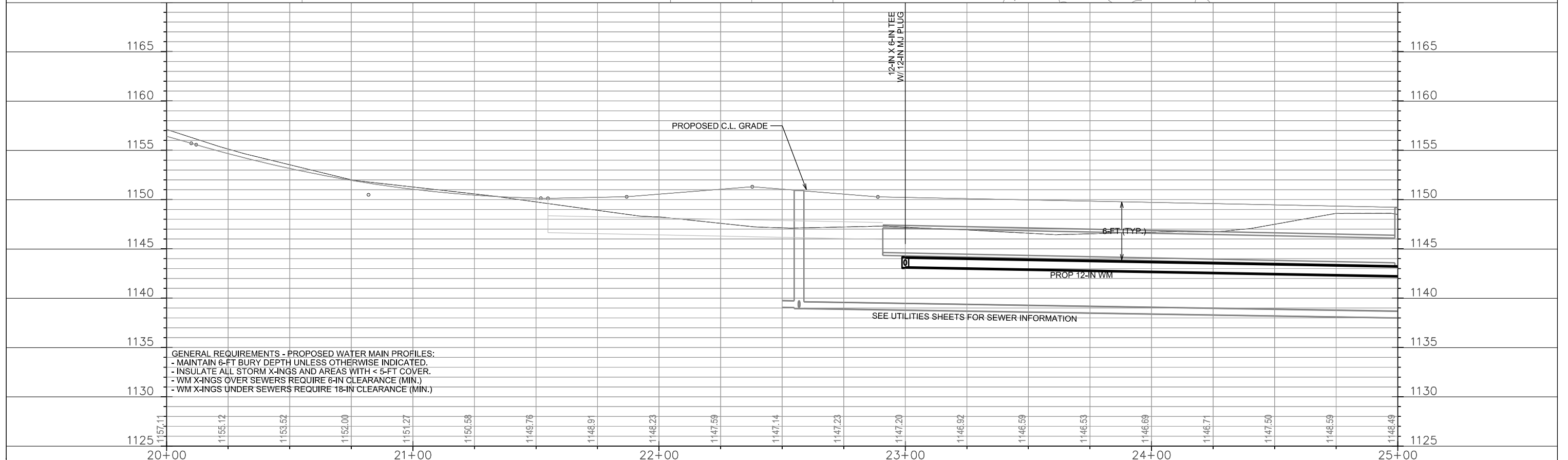
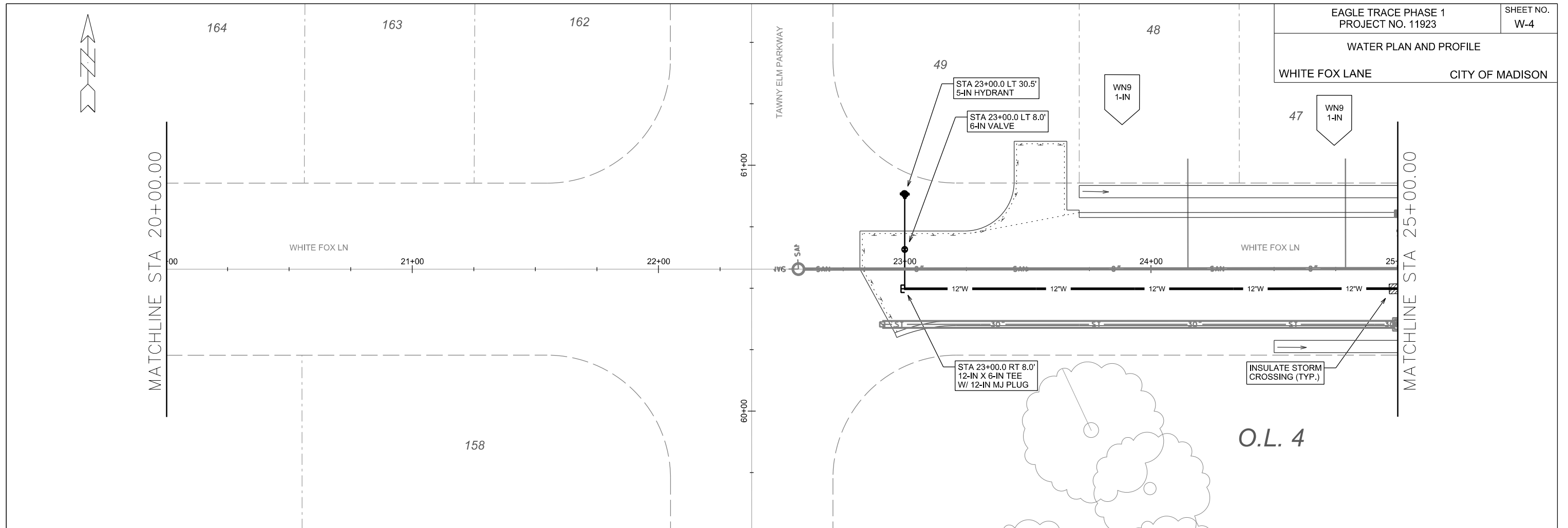
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

WHITE FOX LANE CITY OF MADISON



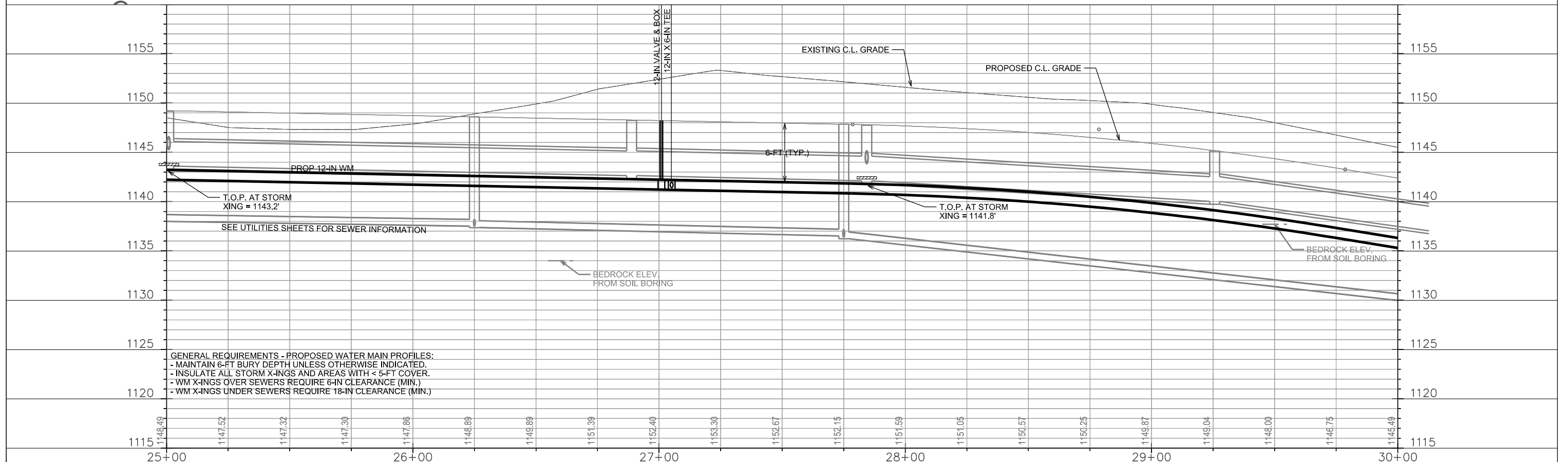
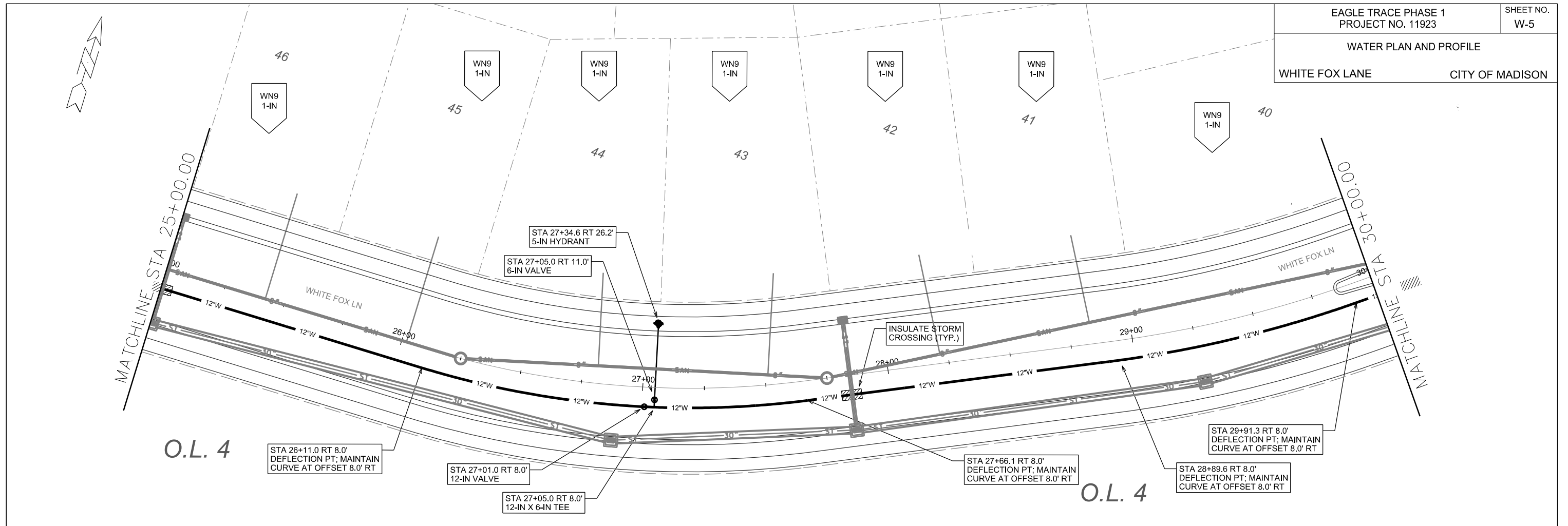
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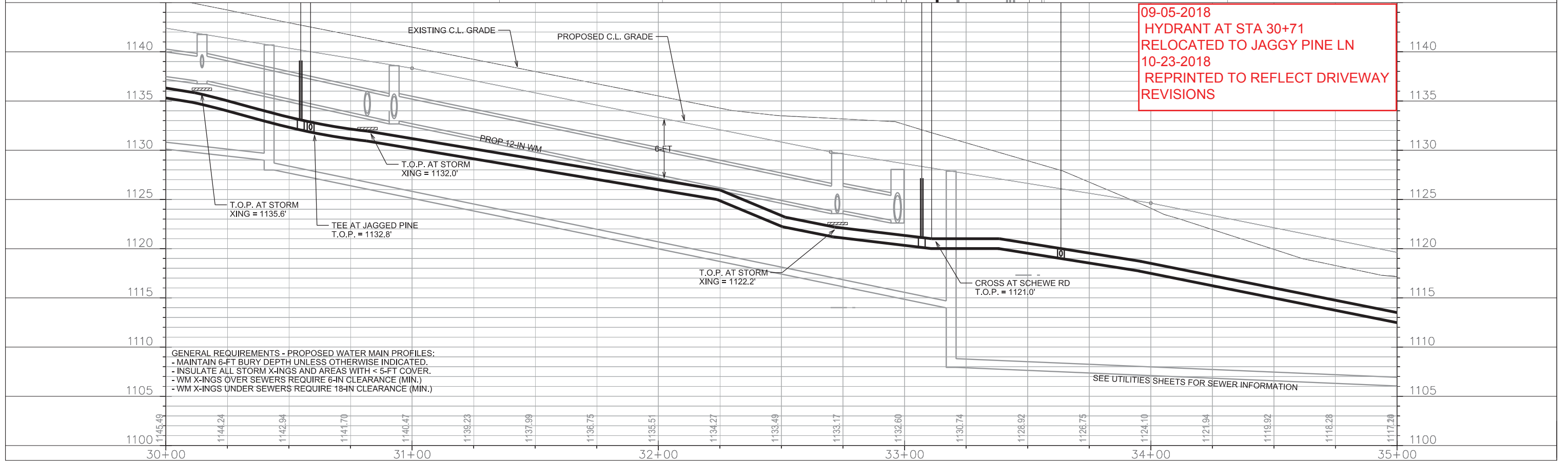
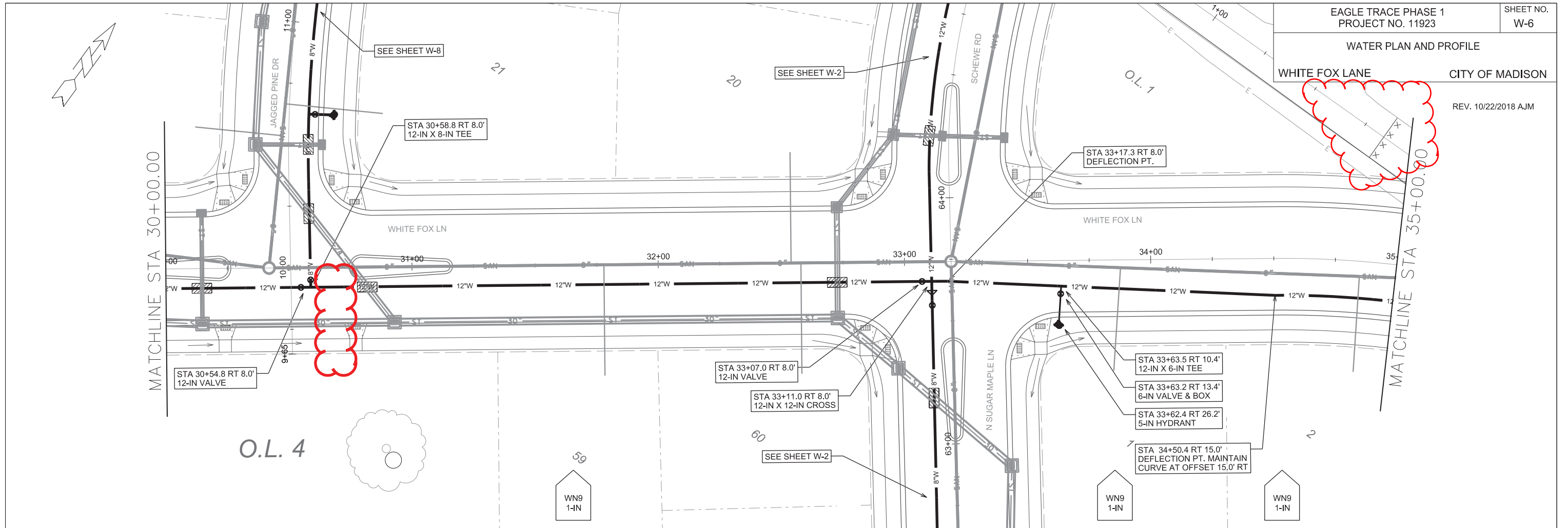
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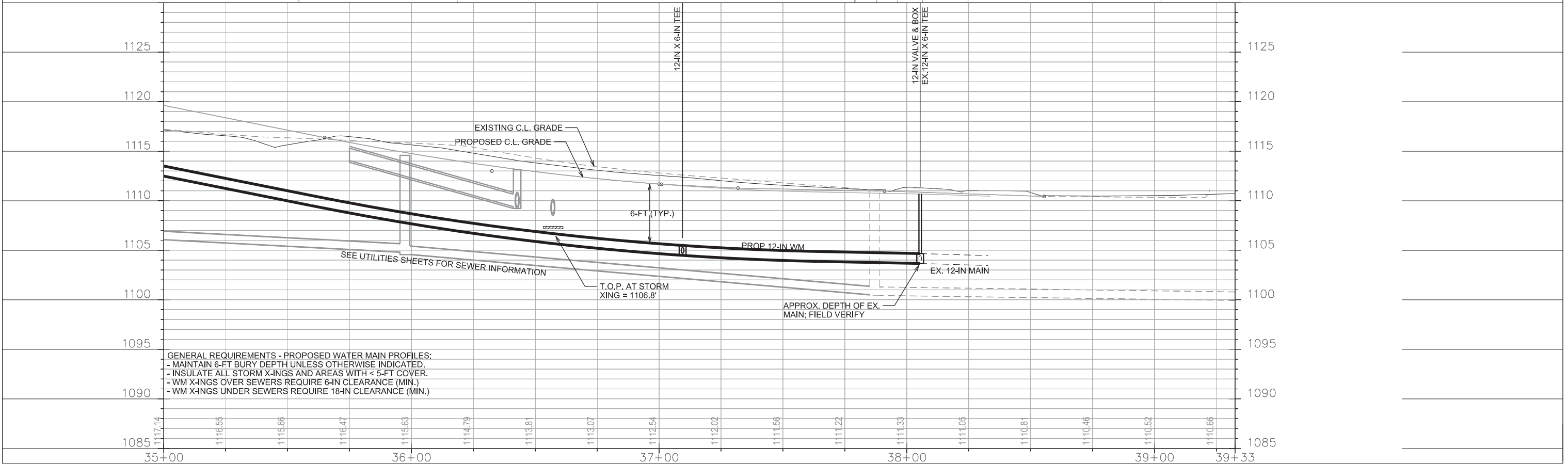
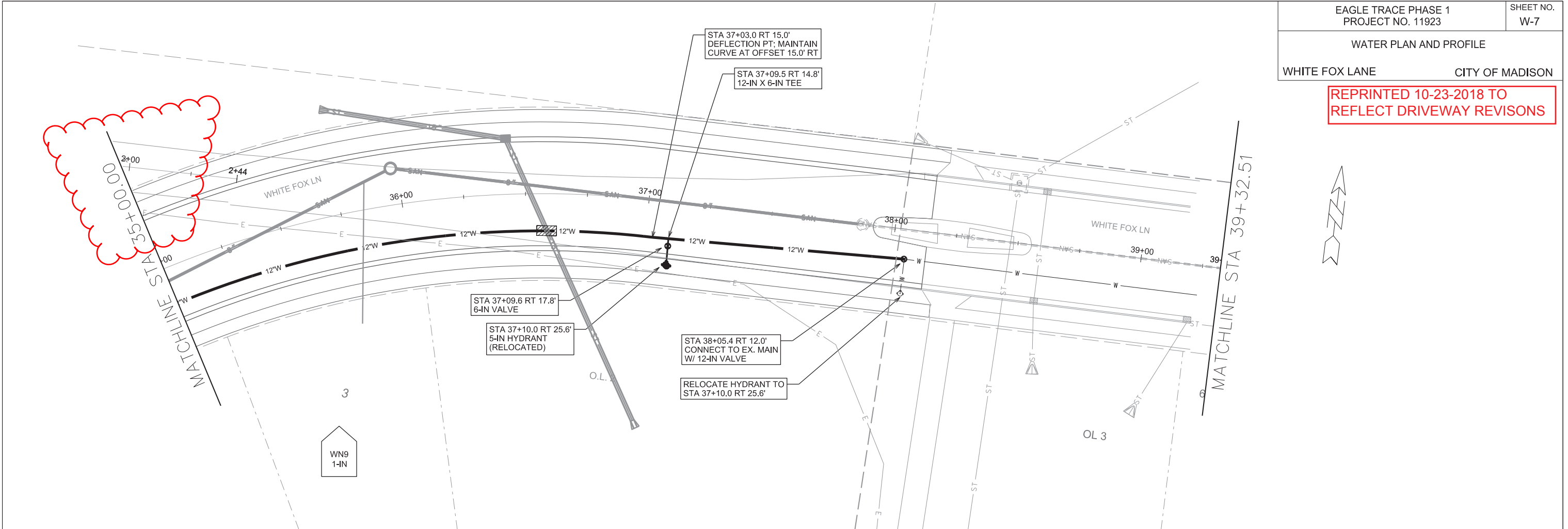
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



REPRINTED 10-23-2018 TO
REFLECT DRIVEWAY REVISIONS

00+00+53.21
MATCHLINE STA 00+00

MATCHLINE STA 39+32.51



PLOT SCALE: _____

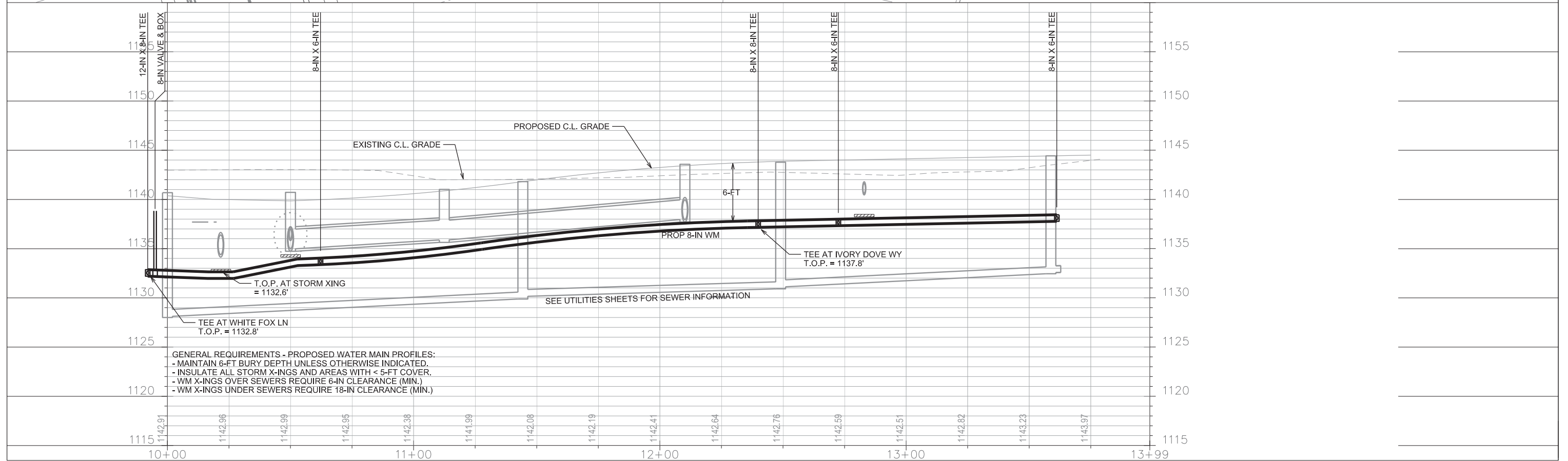
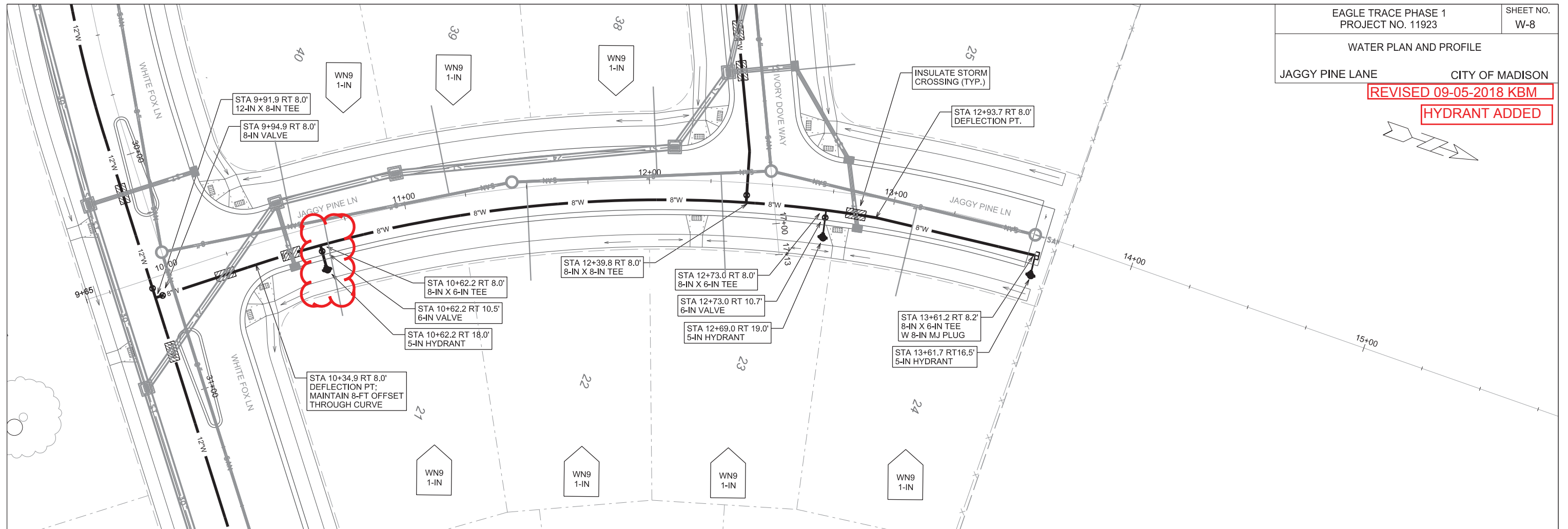
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISED 09-05-2018 KBM

HYDRANT ADDED

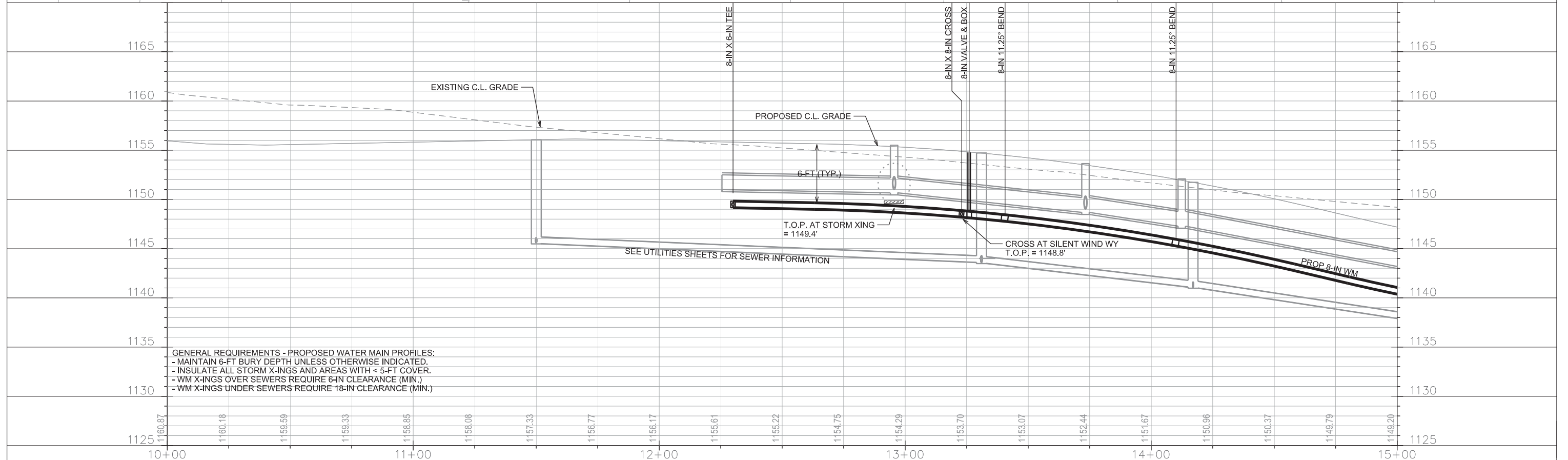
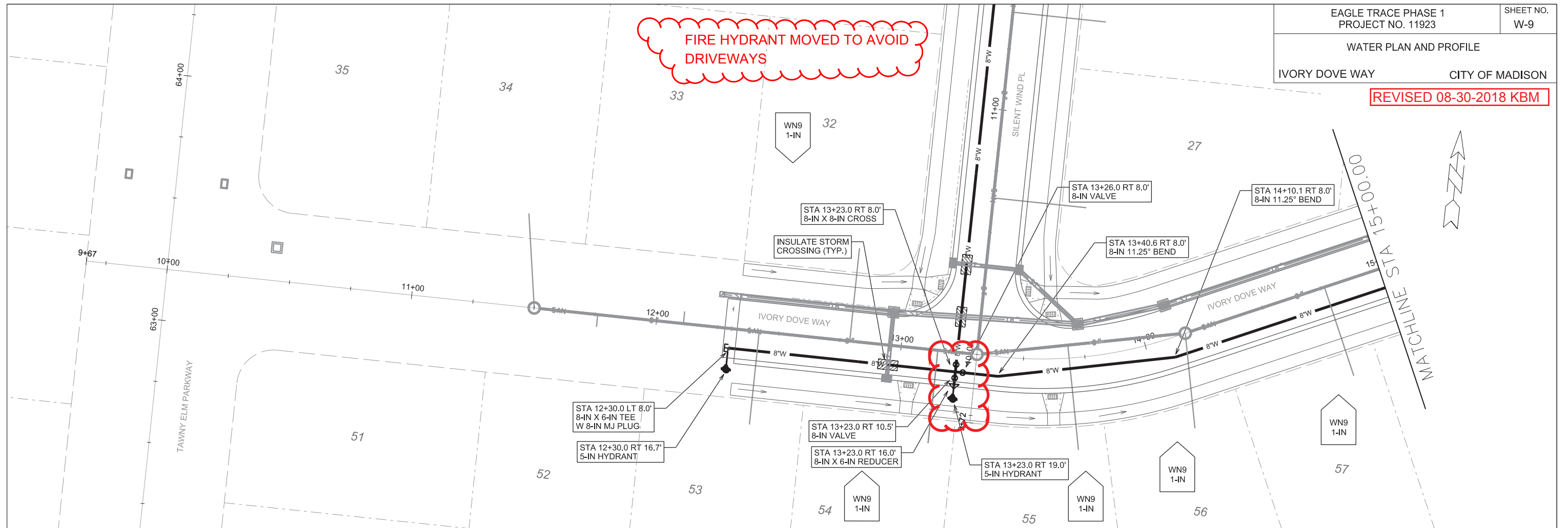


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



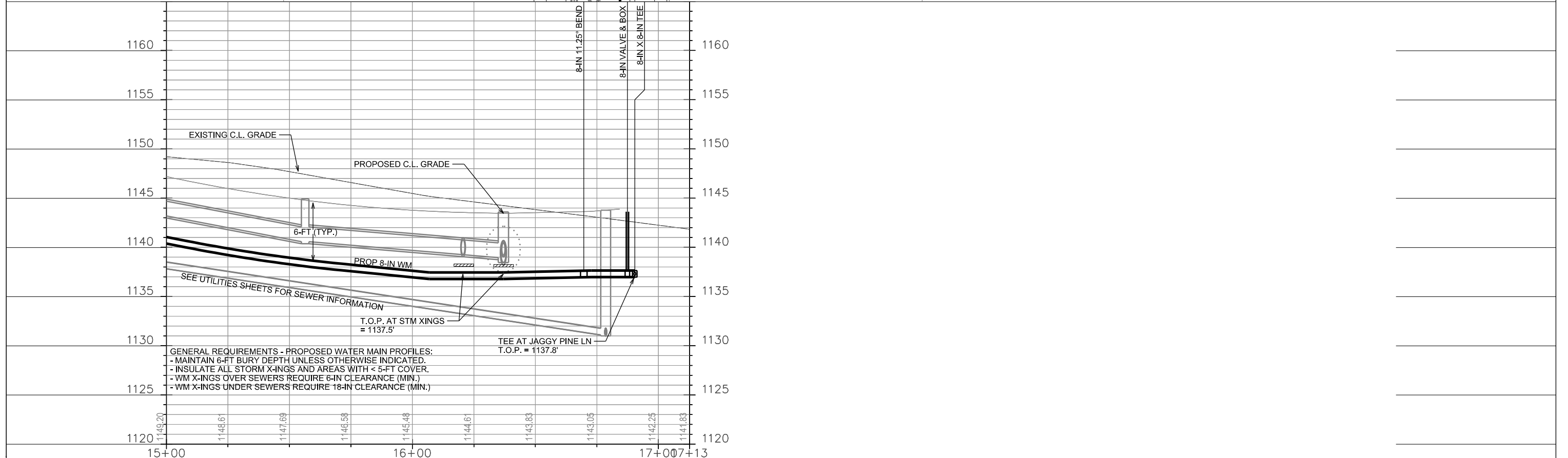
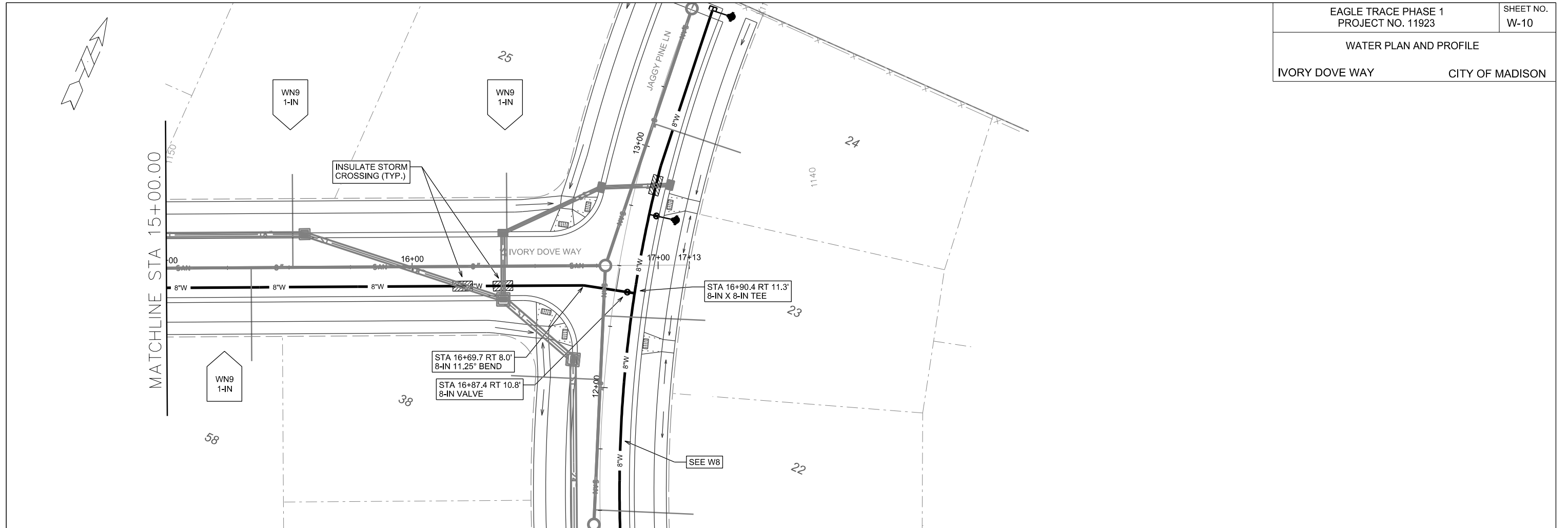
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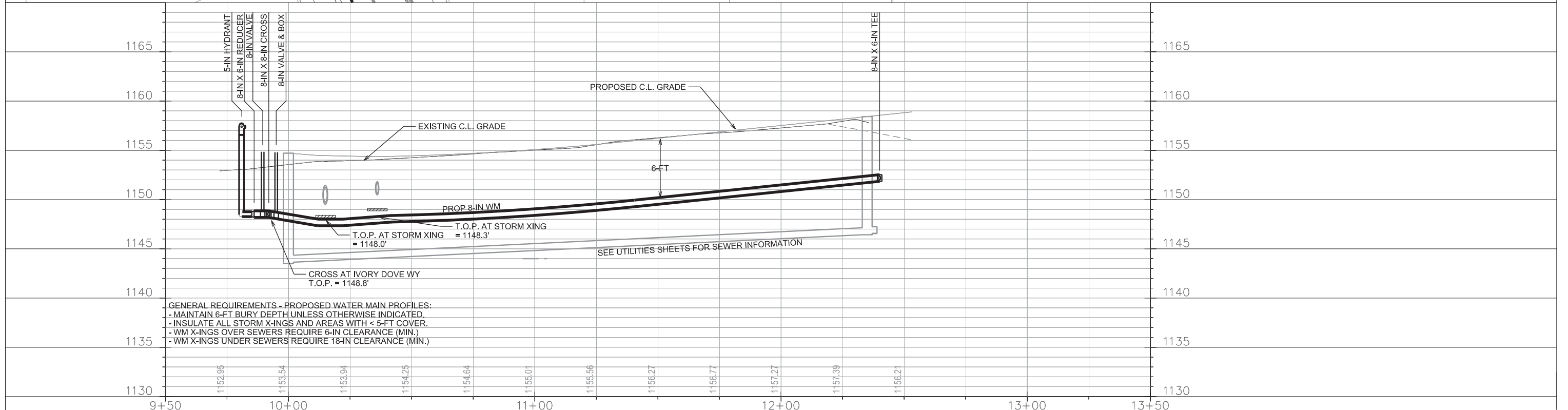
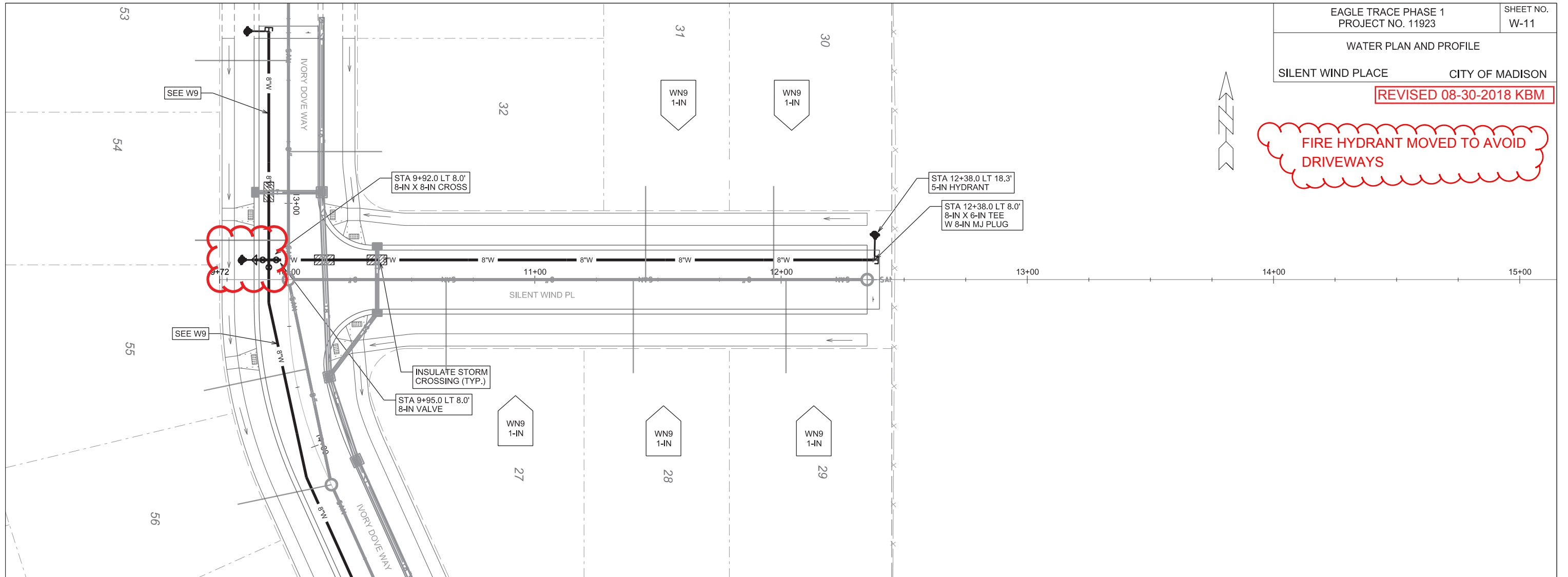
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISED 08-30-2018 KBM

FIRE HYDRANT MOVED TO AVOID
DRIVEWAYS



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN OVERVIEW

EAGLE TRACE PH. 1

CITY OF MADISON

SCALE: 1:300



— EXISTING WATER MAIN
- - - PROPOSED WATER MAIN

OLD SAUK RD

SCHEWE RD

WHITE FOX LN

TAWNY ELM PARKWAY

IVORY DOVE WAY

SILENT WIND PL

JAGGY PINE LN

WHITE FOX LN

SUGAR MAPLE LN

TAWNY ELM PARKWAY

ELDERBERRY RD

3925

3895

3892

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISED 08-30-2018 KBM

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.

REVISED MATERIALS SUPPLIED BY CONTRACTOR 08-30-2018:

DELETED MATERIALS:

- (1) 8-IN X 6-IN TEE
- (1) 8-IN X 8-IN TEE
- (1) 6-IN VALVE

INCREASED MATERIALS:

- (1) 8-IN X 6-IN REDUCER
- (1) 8-IN X 8-IN CROSS
- (1) 8-IN VALVE

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- | | |
|-------------------------|------------------------------------|
| 250-FT - 6-IN PIPE | 3 - 8-IN 11-1/4° BEND |
| 1660-FT - 8-IN PIPE | 1 - 8-IN X 6-IN REDUCER |
| 1760-FT - 12-IN PIPE | 1 - 12-IN X 8-IN REDUCER |
| 7 - 6-IN VALVE & BOX | 4 - 8-IN MJ PLUG |
| 7 - 8-IN VALVE & BOX | 1 - 12-IN MJ PLUG |
| 4 - 12-IN VALVE & BOX | 12 - 5-IN HYDRANT |
| 6 - 8-IN X 6-IN TEE | 152-FT - 2-IN STYROFOAM INSULATION |
| 1 - 8-IN X 8-IN TEE | 4200-FT - POLY WRAP |
| 6 - 12-IN X 6-IN TEE | 1-IN TO 2-IN COPPER (AS REQ'D) |
| 1 - 12-IN X 8-IN TEE | |
| 1 - 8-IN X 8-IN CROSS | |
| 1 - 12-IN X 12-IN CROSS | |

MATERIALS SUPPLIED BY CITY:

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

NONE

ESTIMATE OF MATERIALS REUSED:

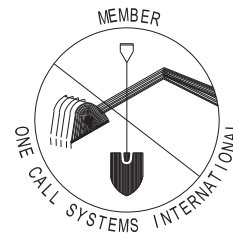
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

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.

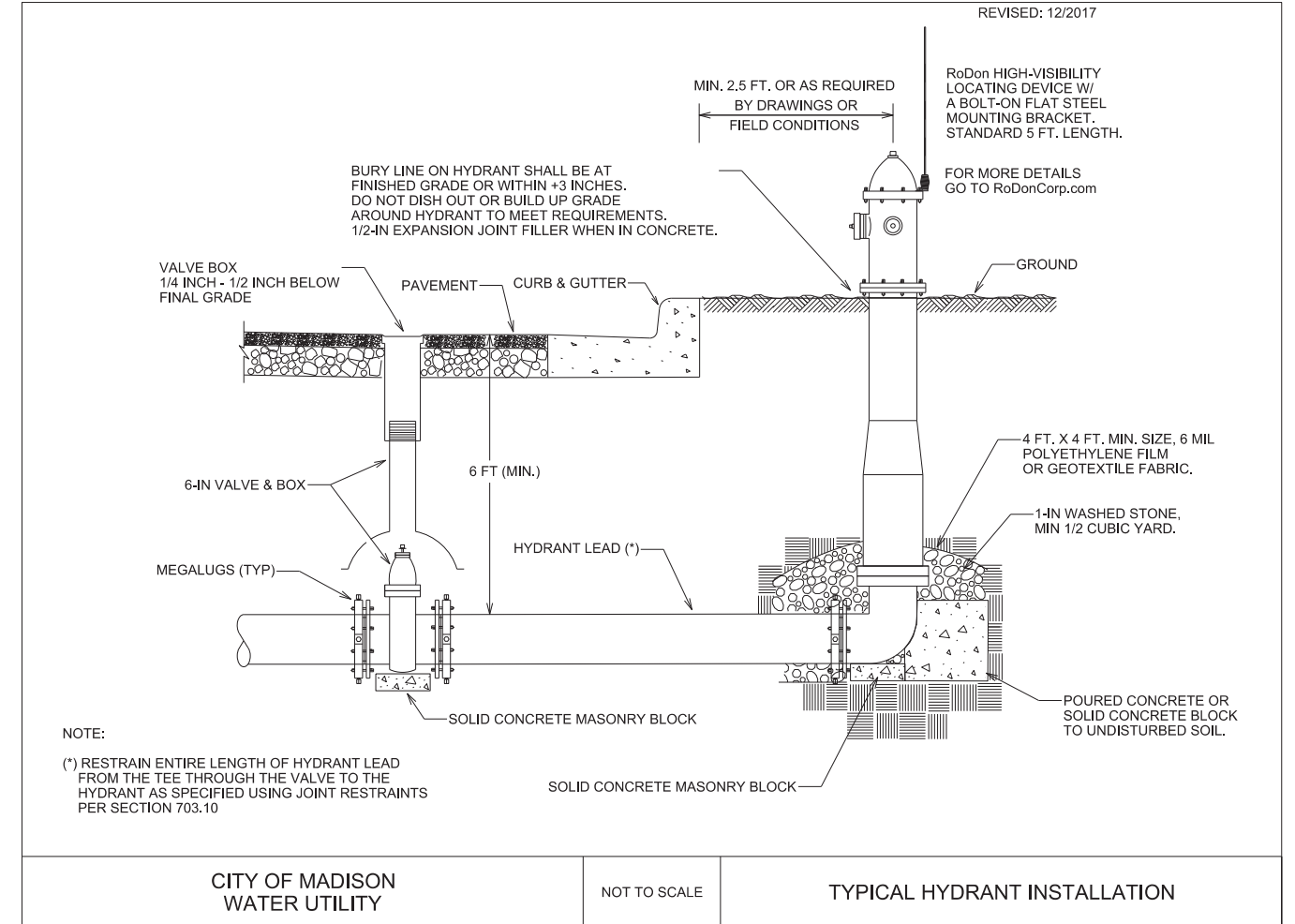


DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2017



NOTE:

(*) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

City of Madison Standard Specifications for Public Works Construction

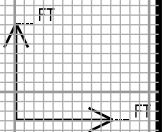
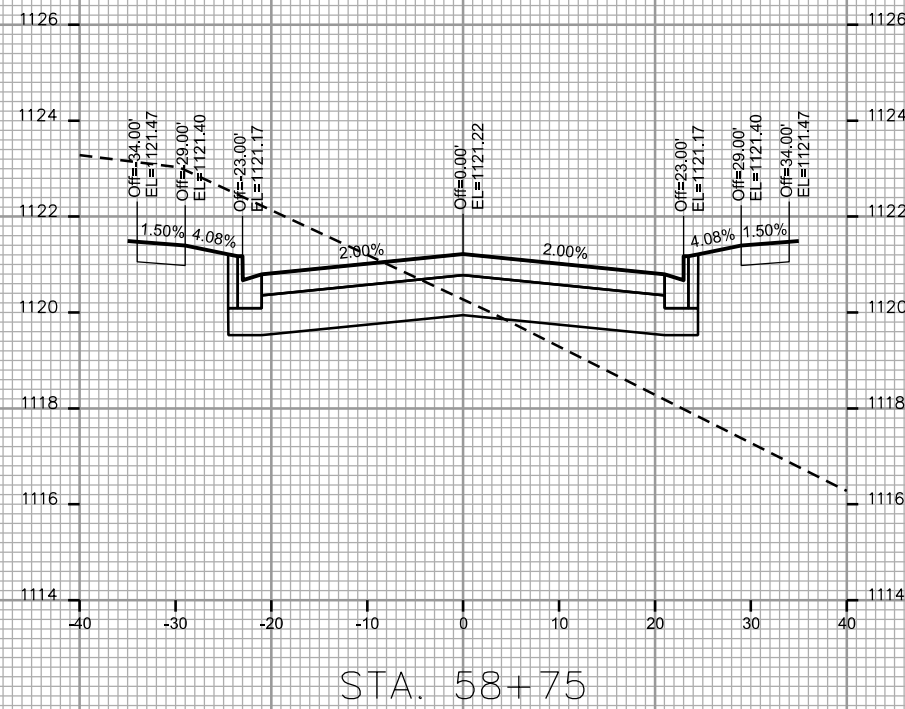
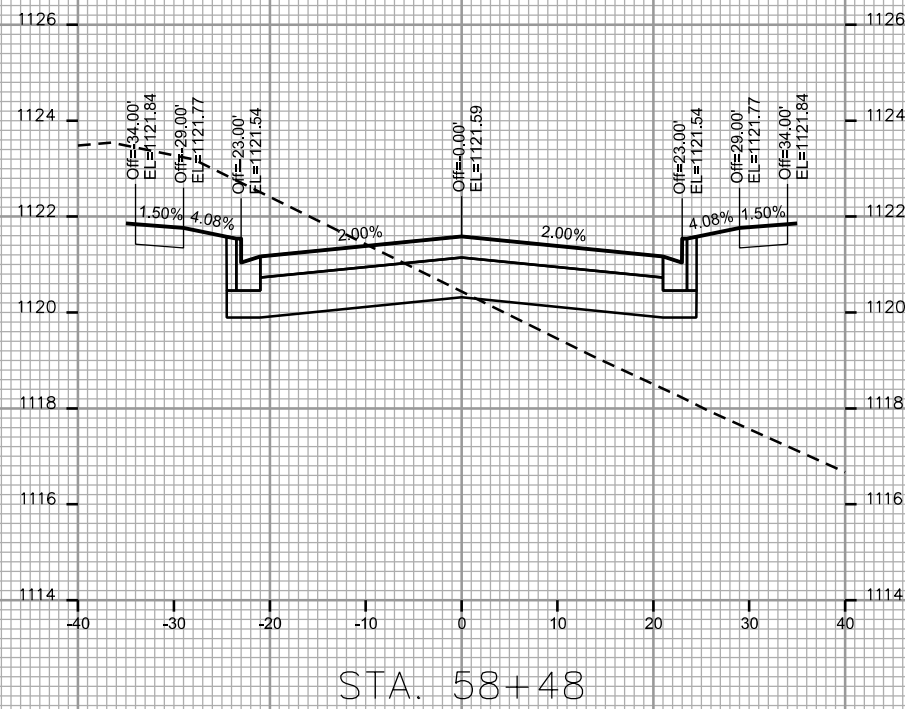
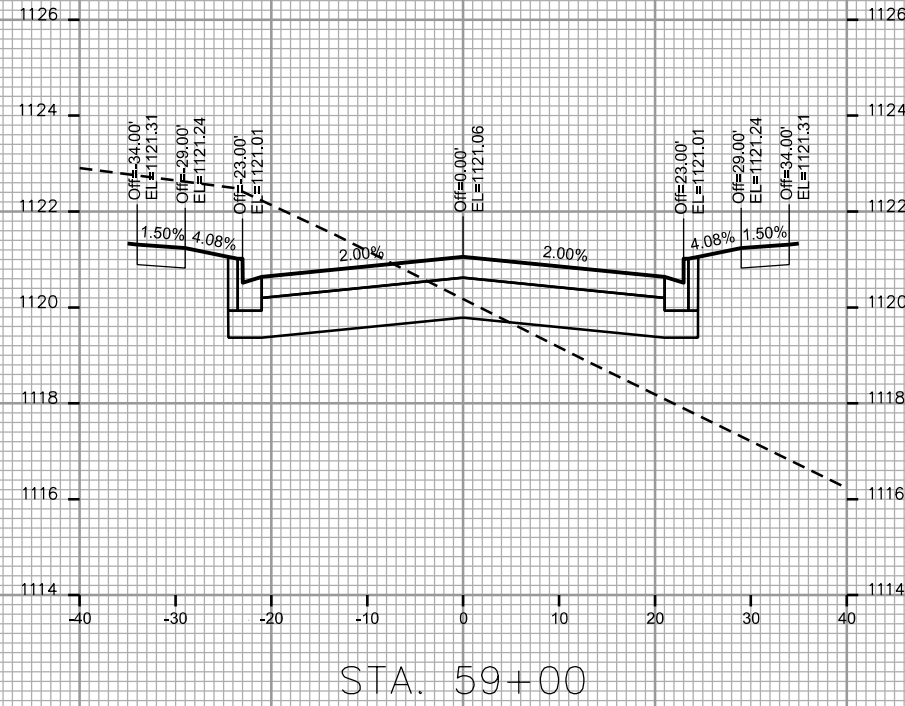
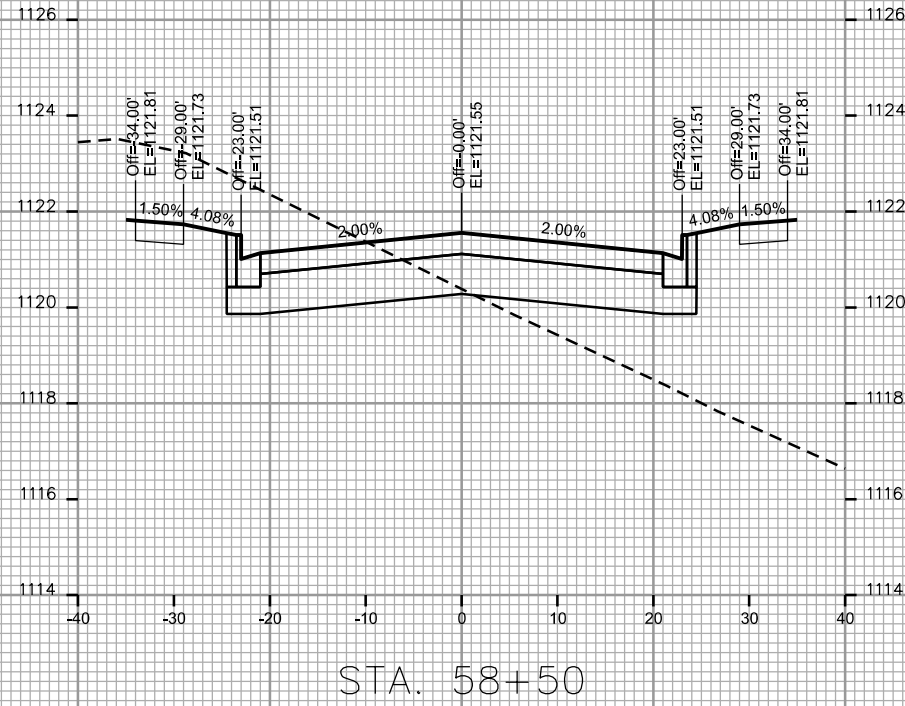
CROSS SECTIONS
SUGAR MAPLE LANE /
SCHEWE ROAD CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



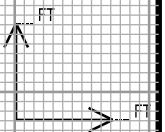
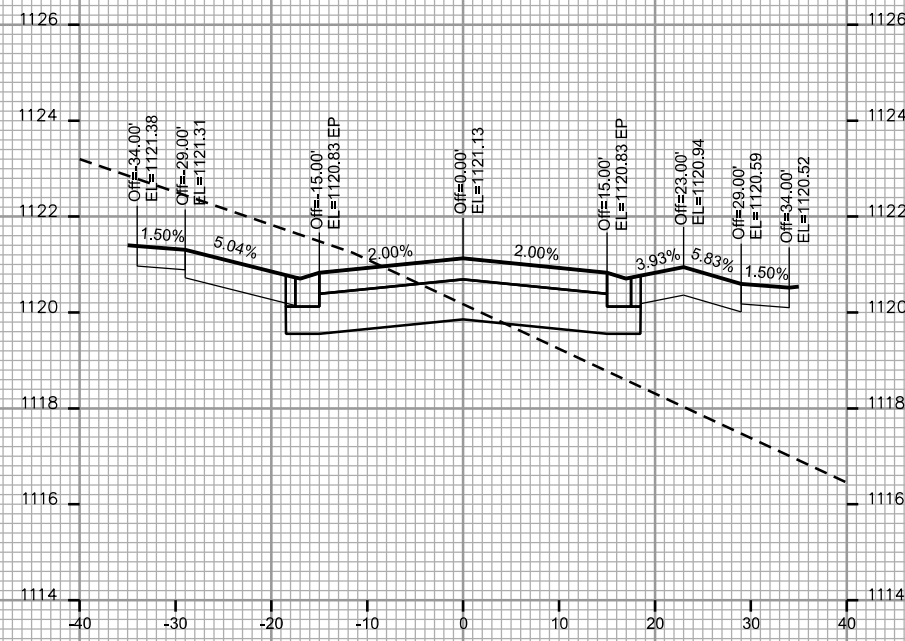
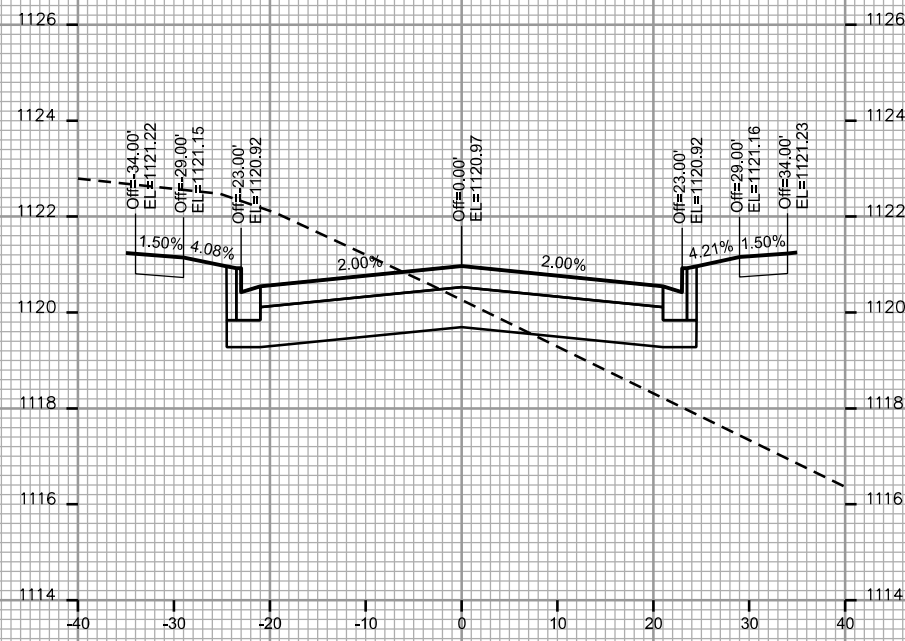
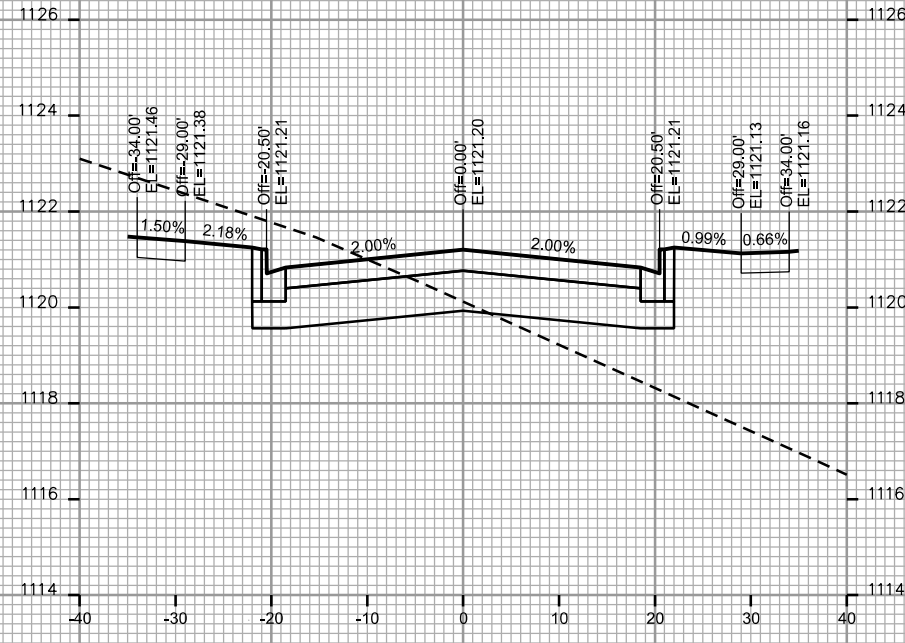
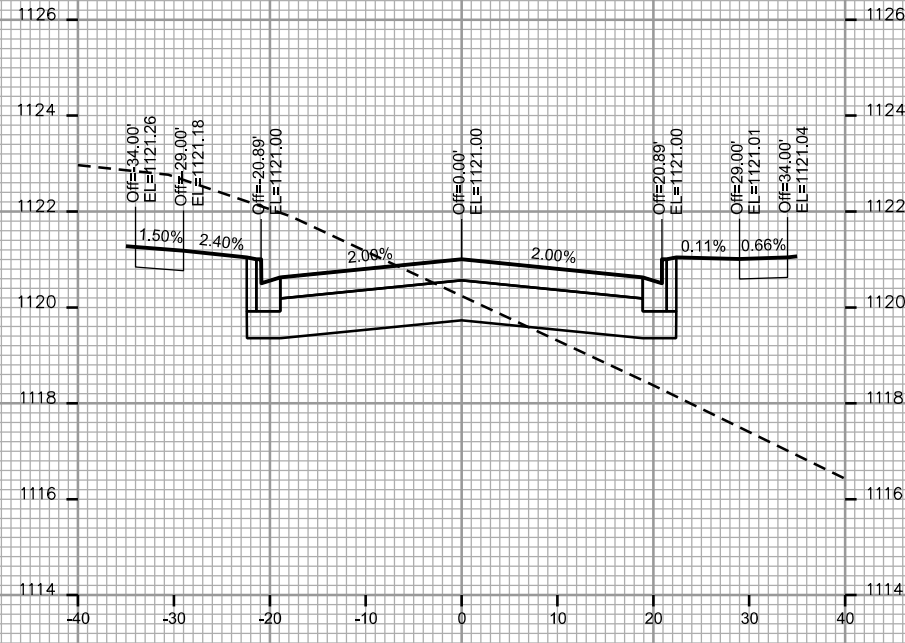
CROSS SECTIONS
SUGAR MAPLE LANE /
SCHEWE ROAD CITY OF MADISON

PLOT SCALE: _____

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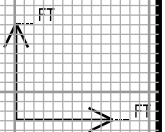
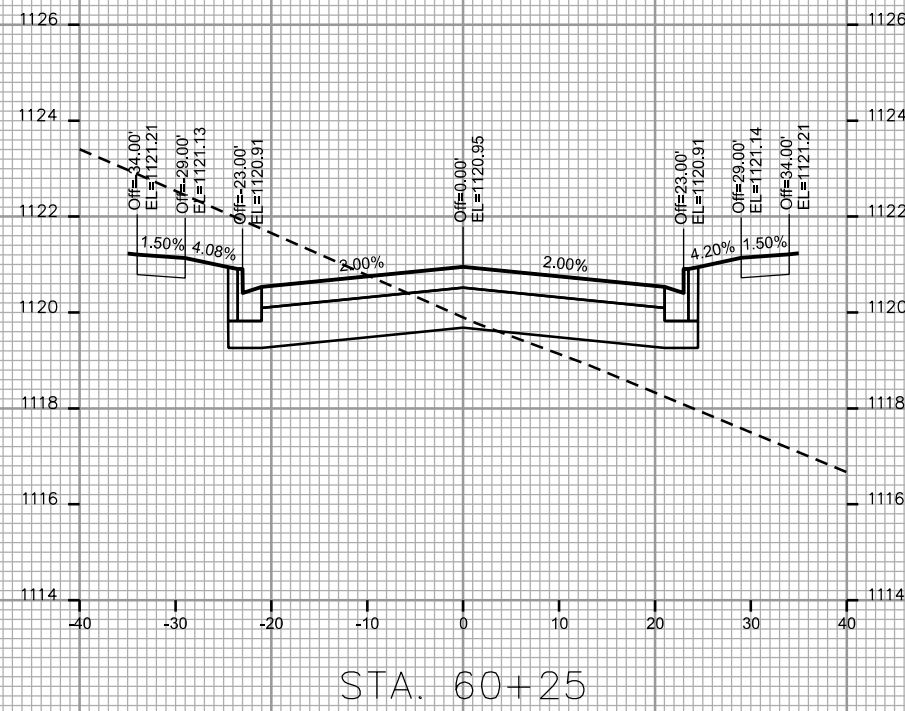
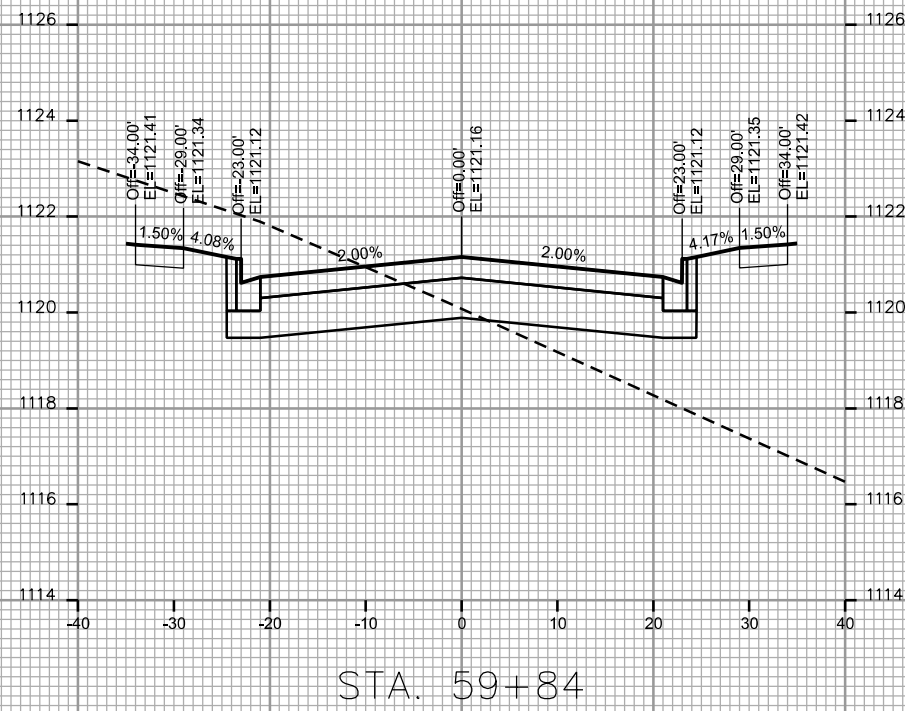
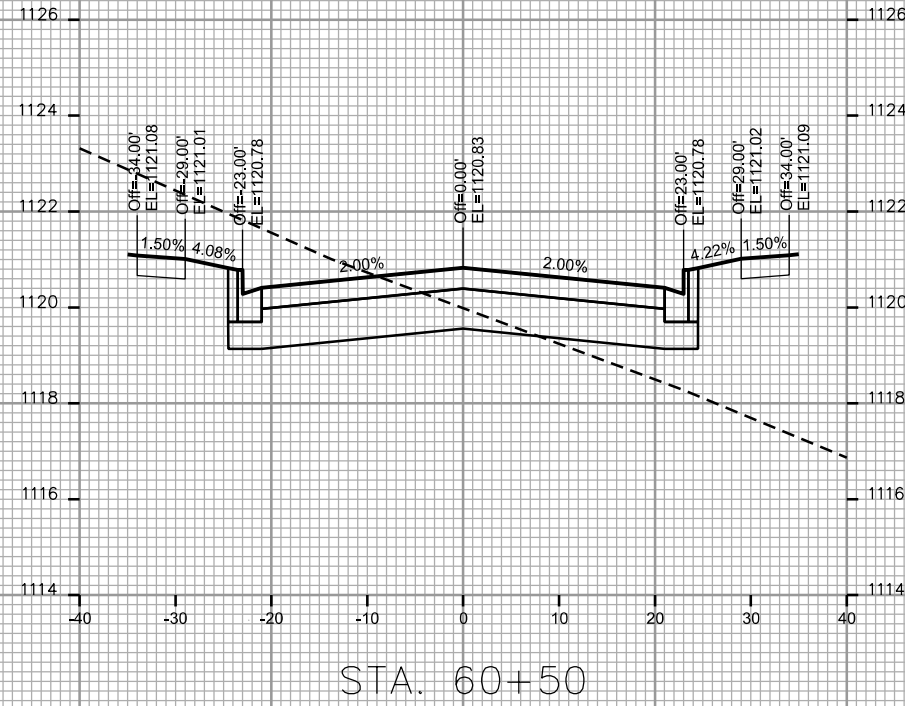
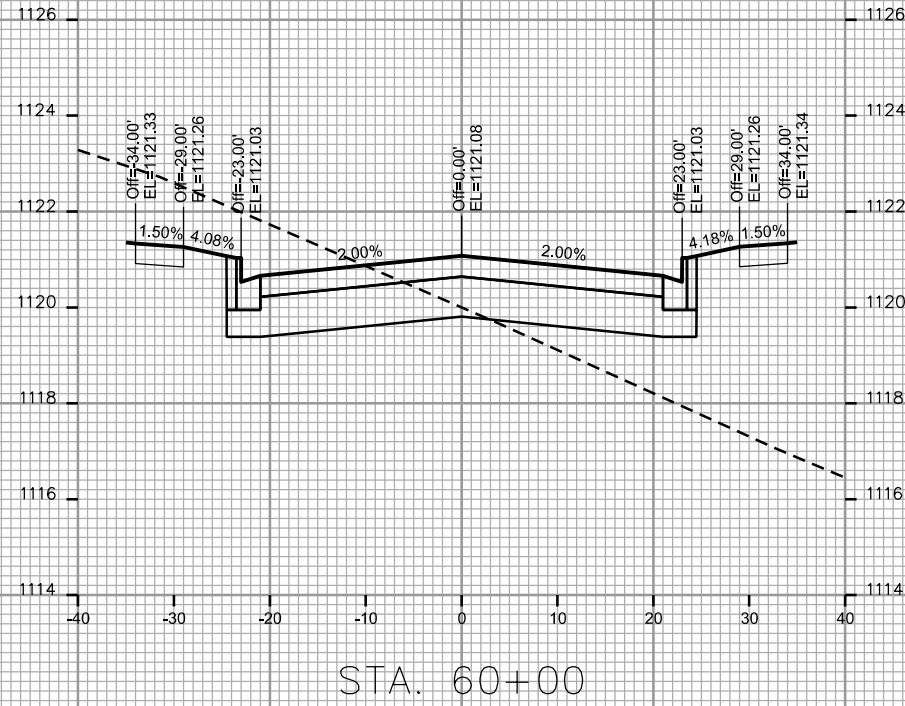
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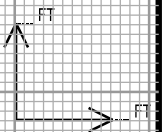
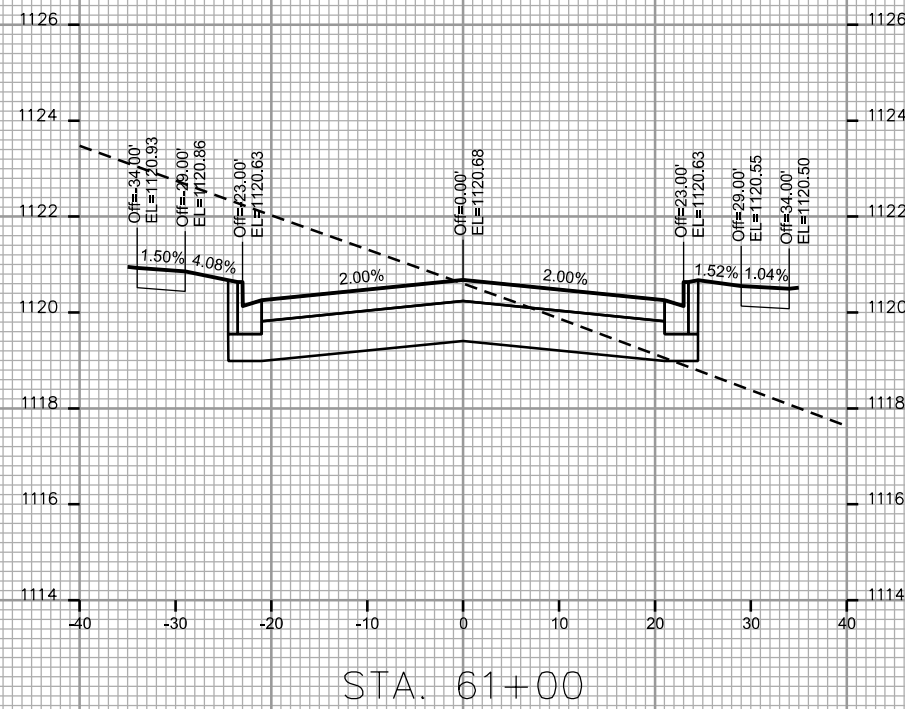
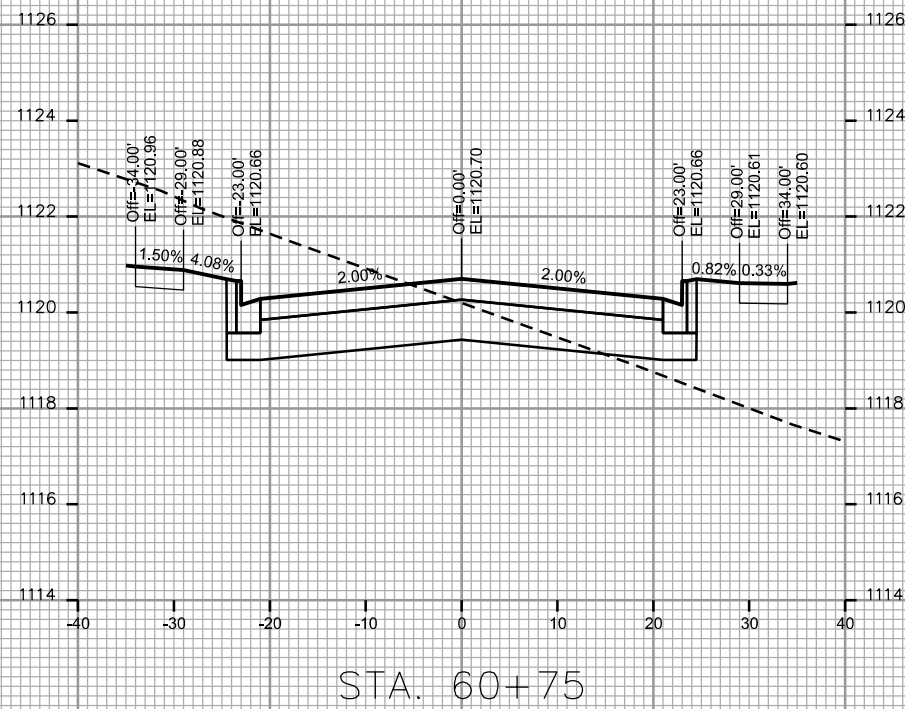
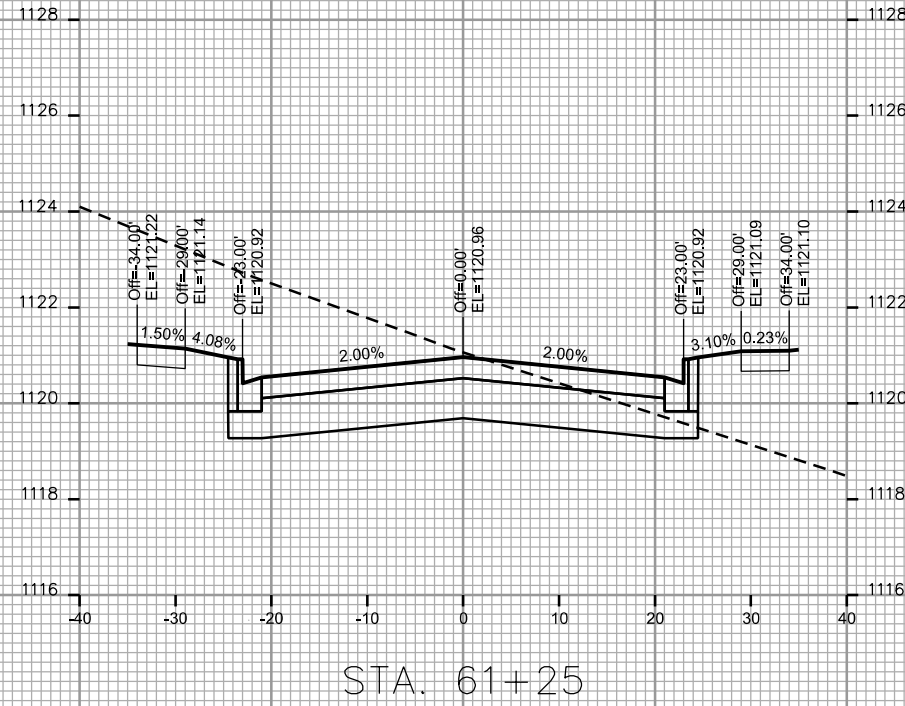
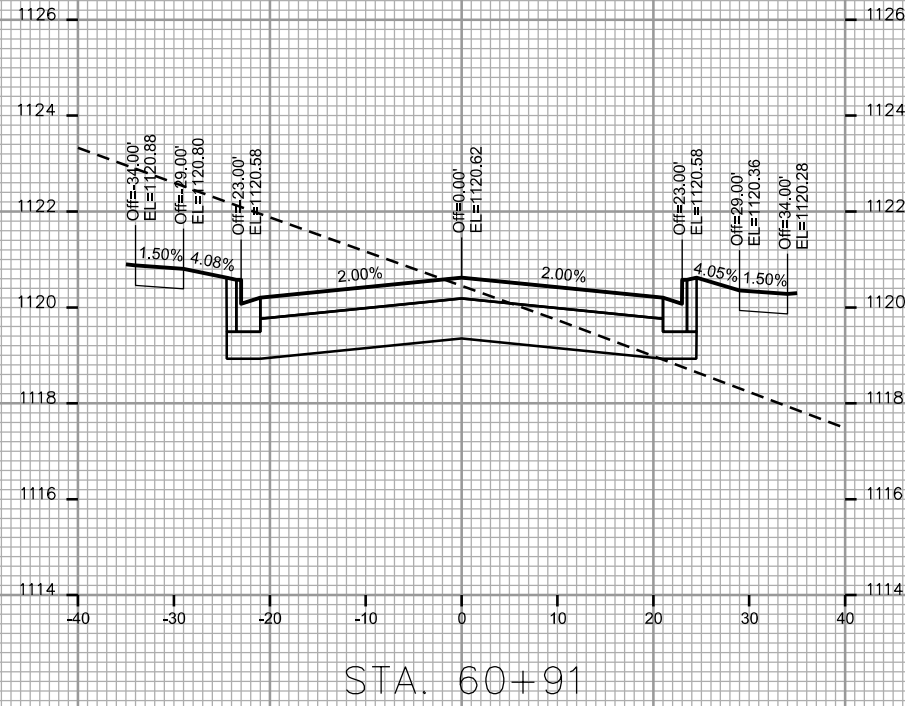
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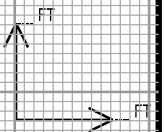
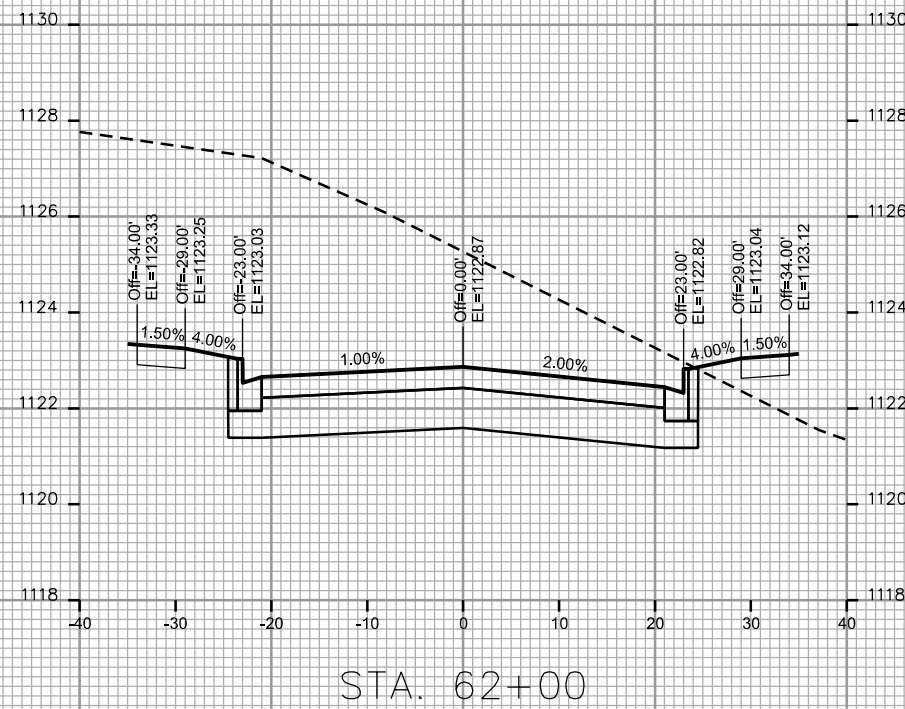
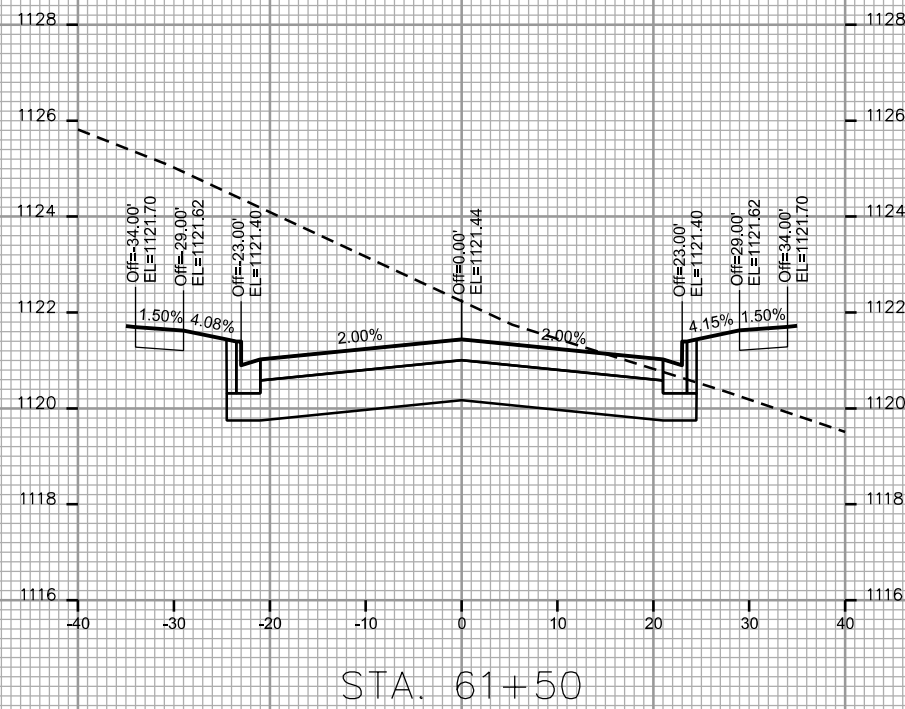
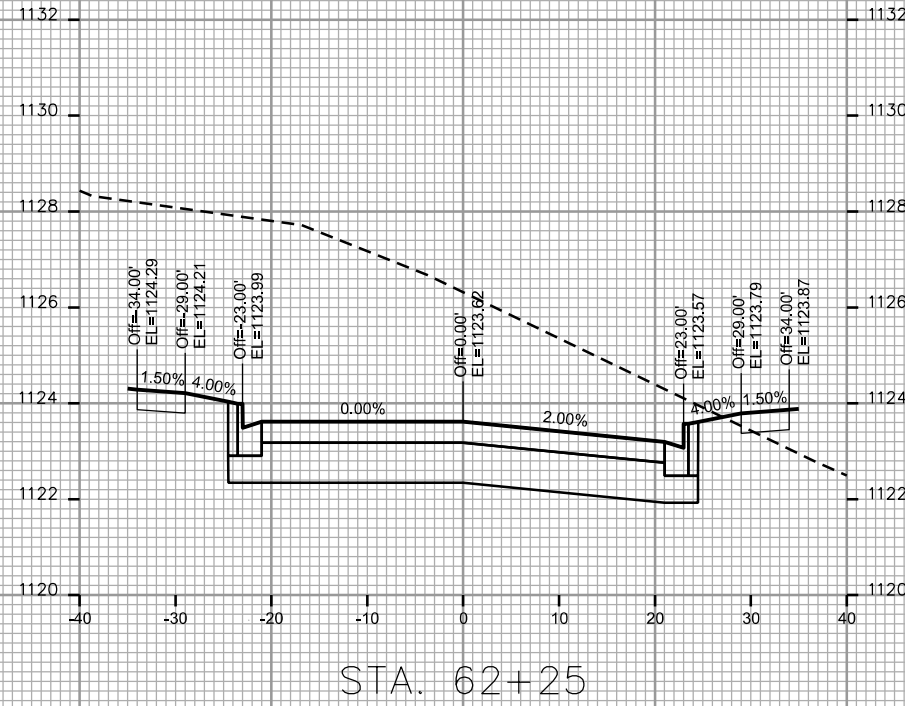
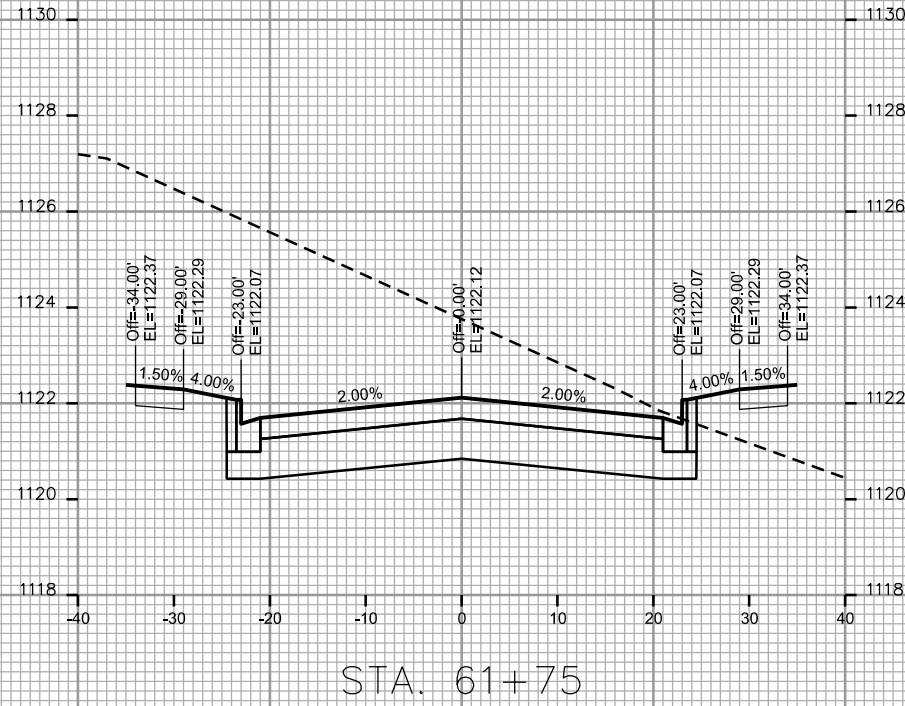
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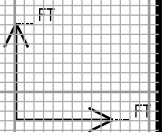
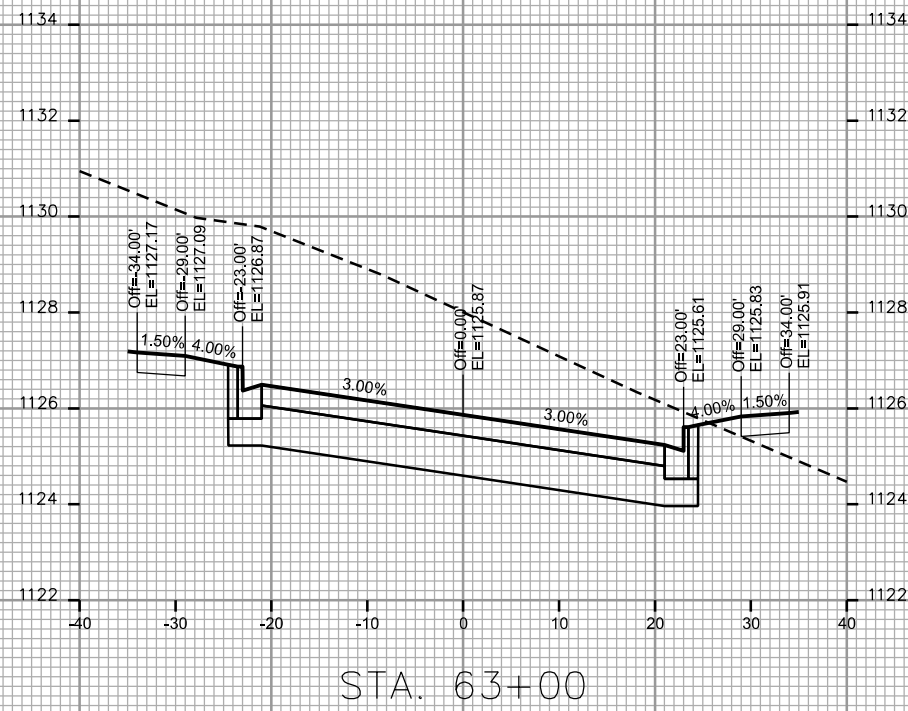
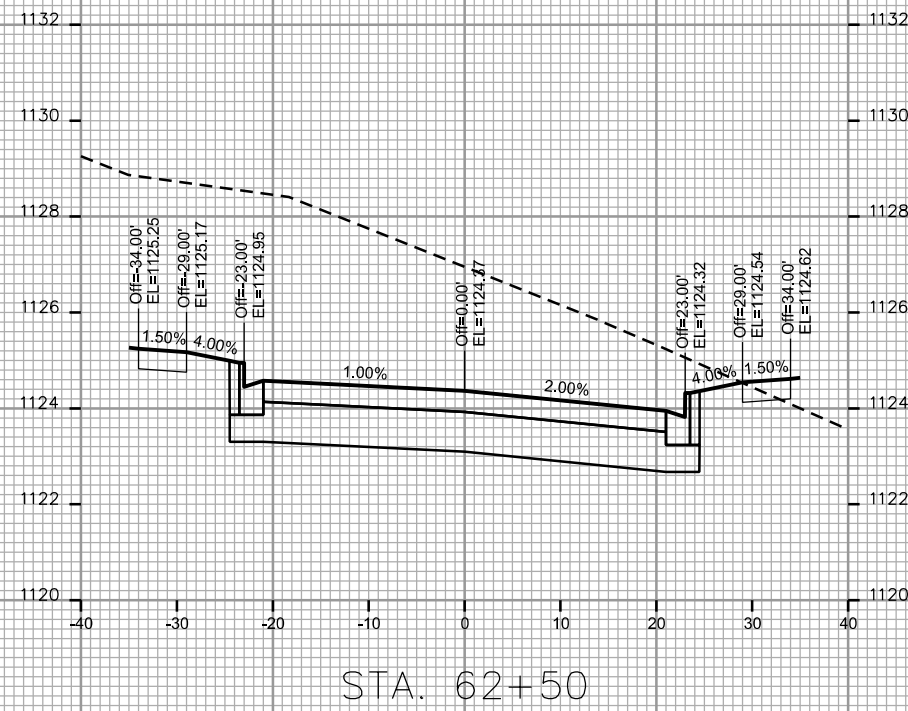
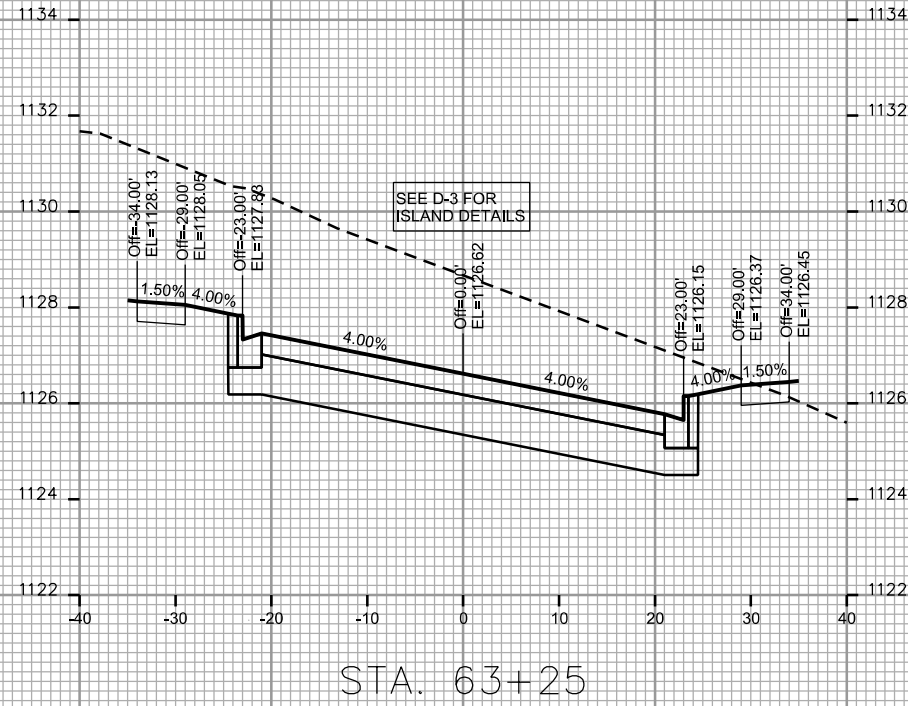
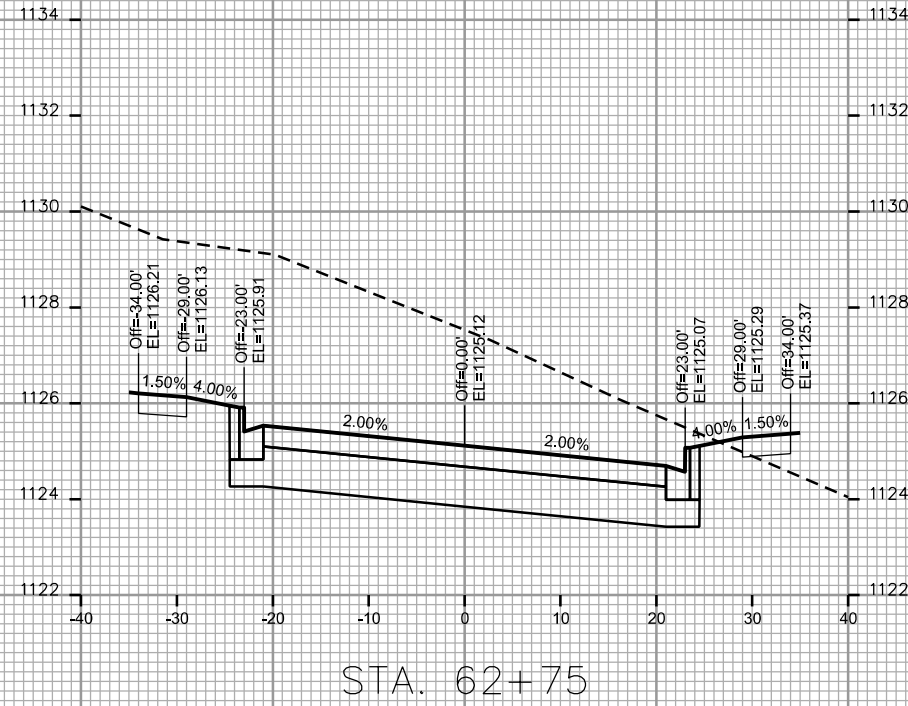
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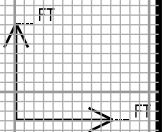
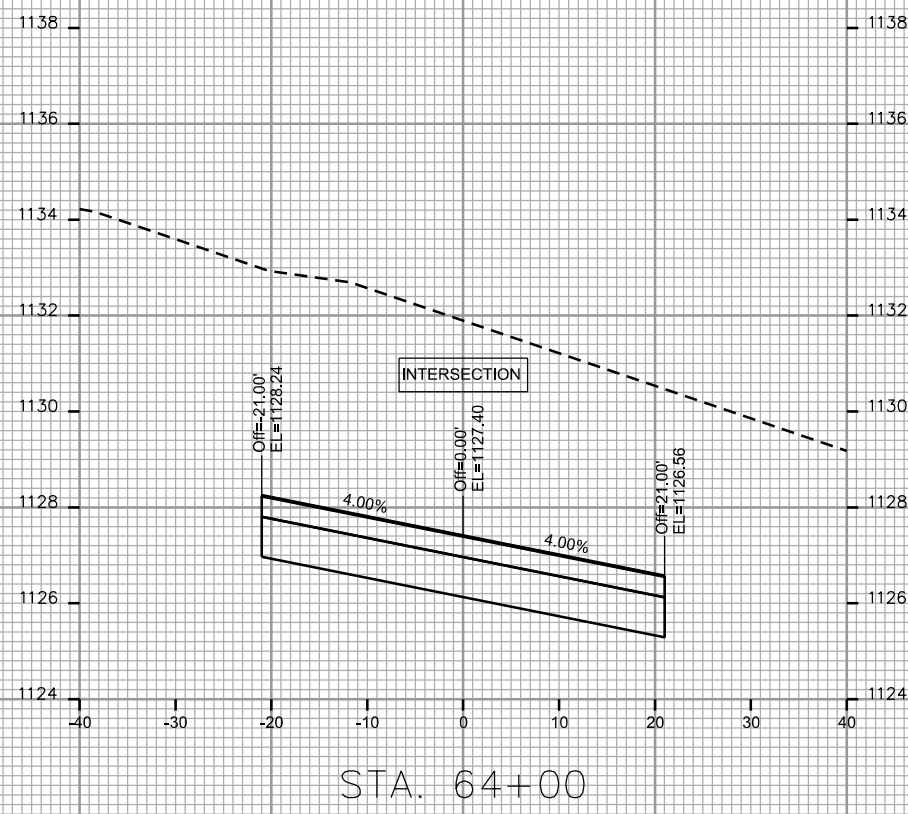
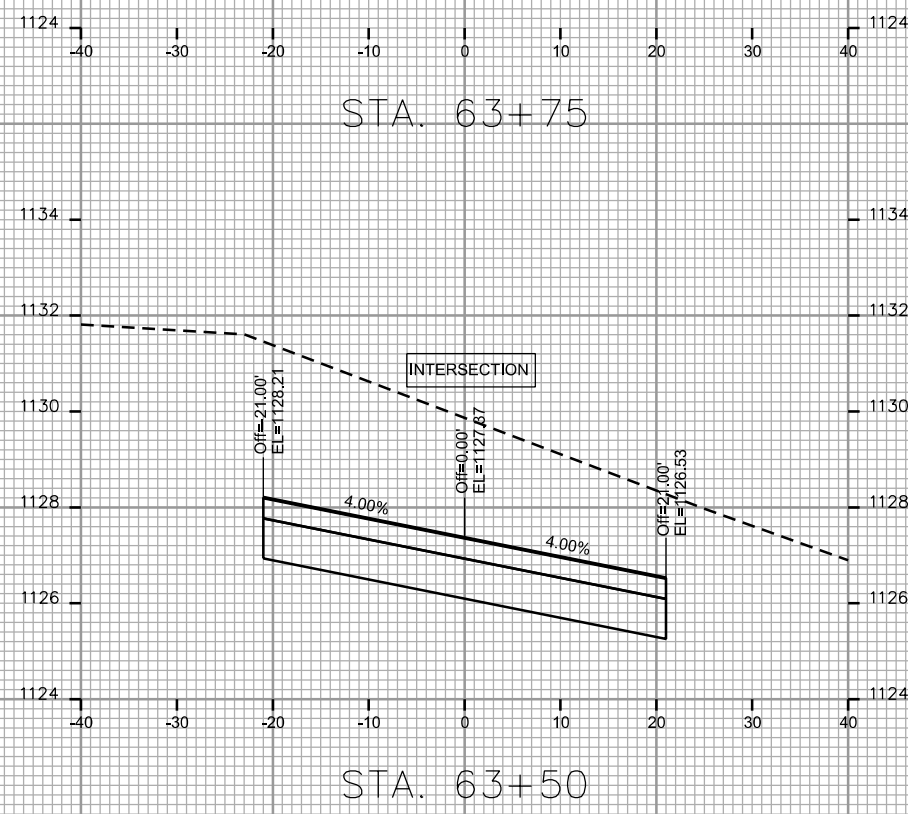
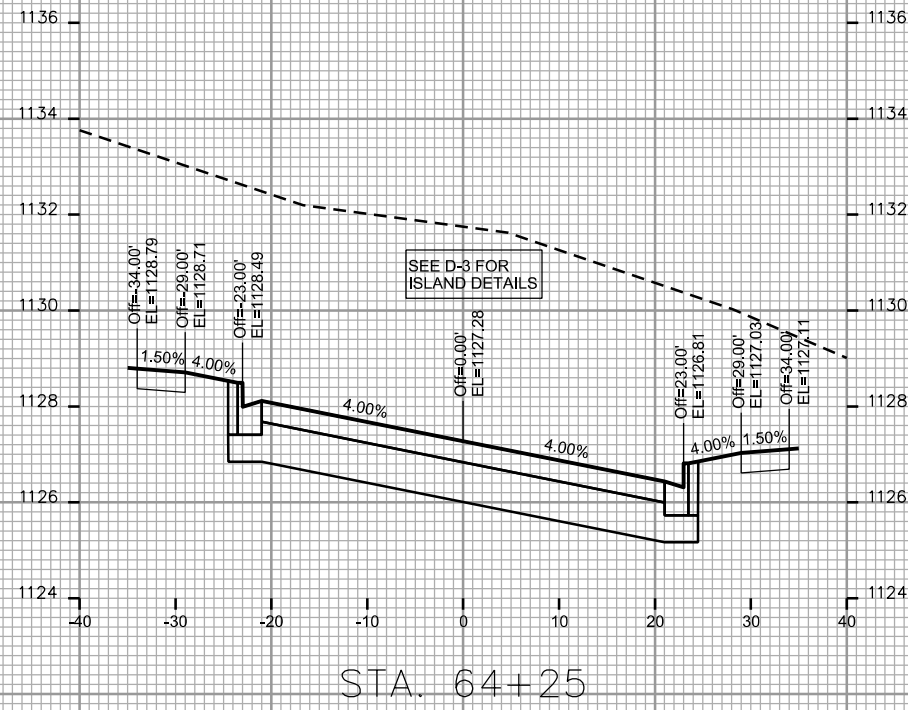
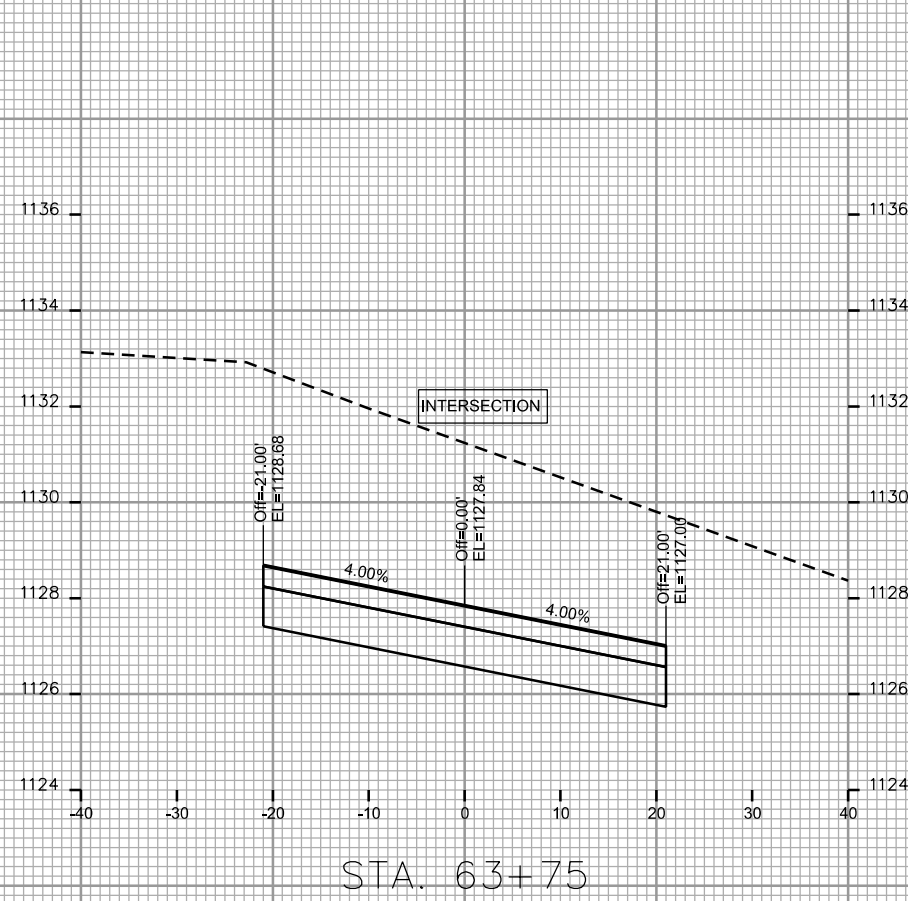
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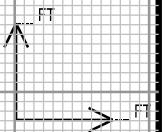
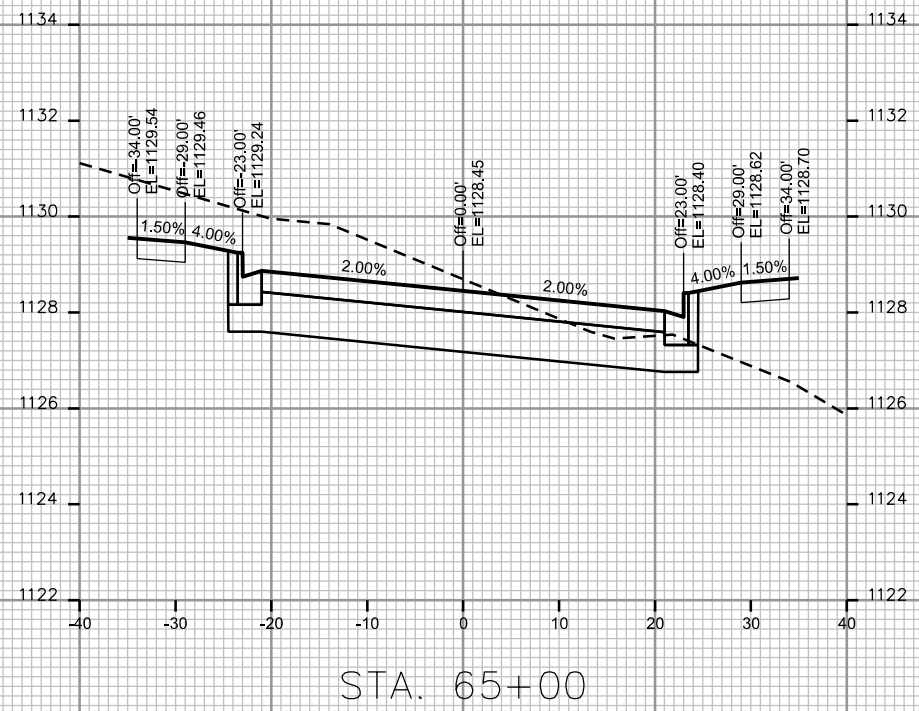
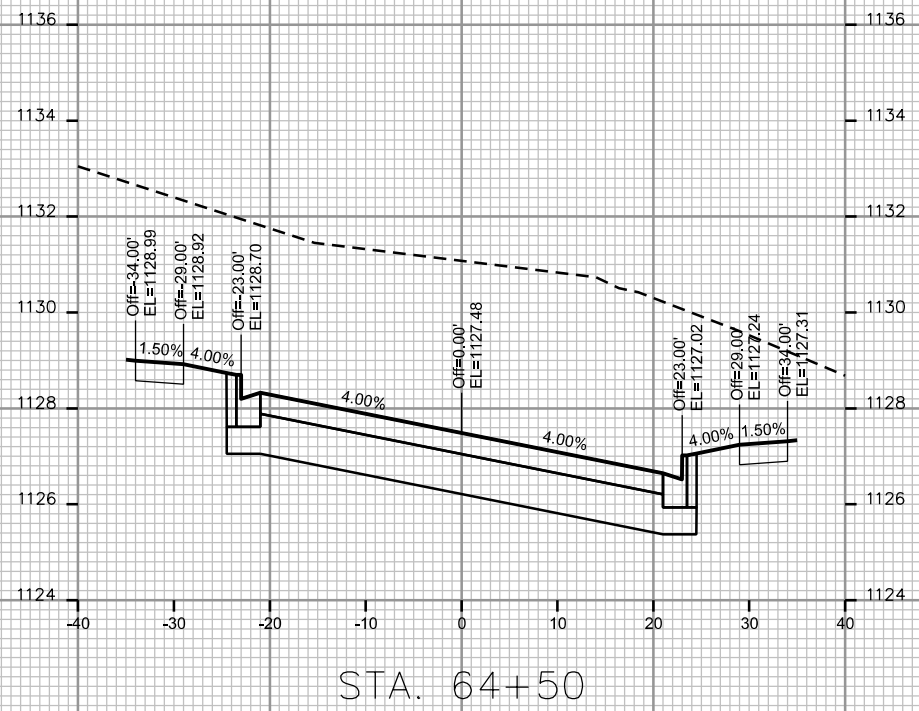
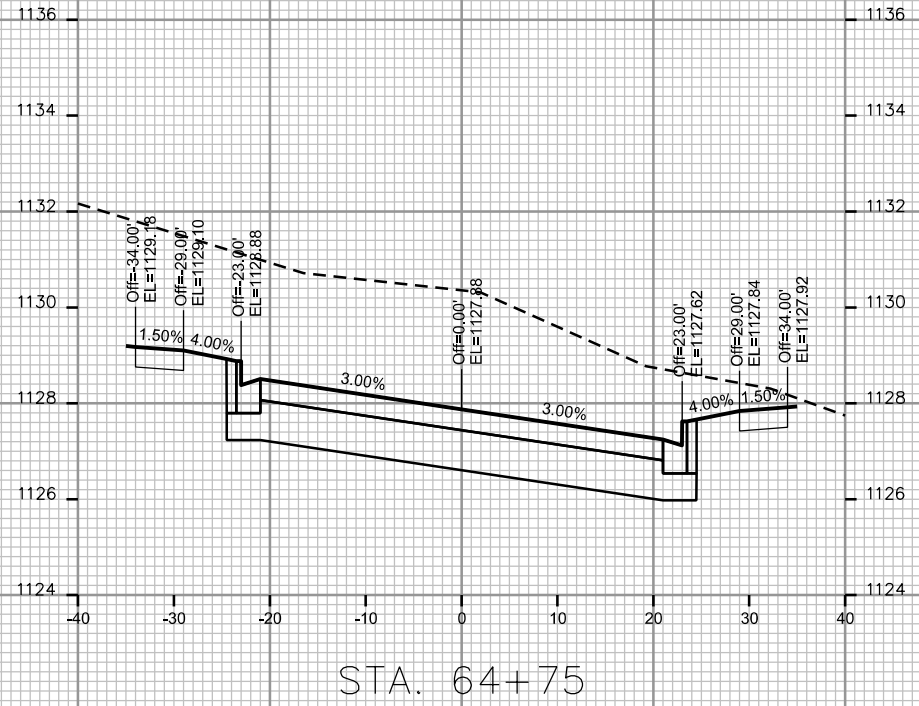
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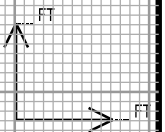
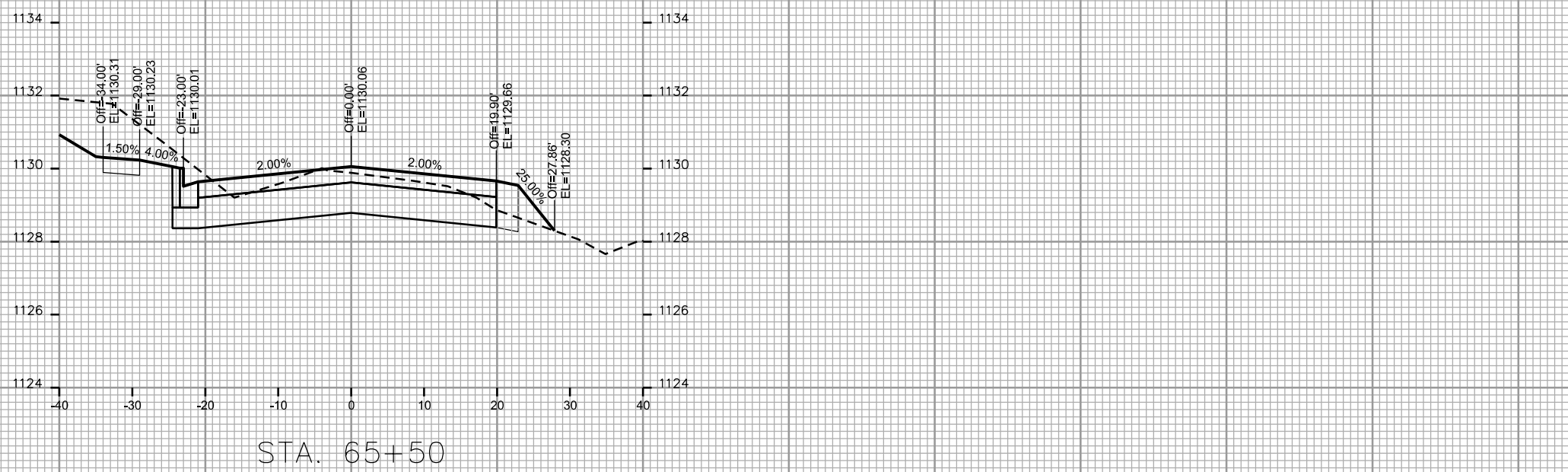
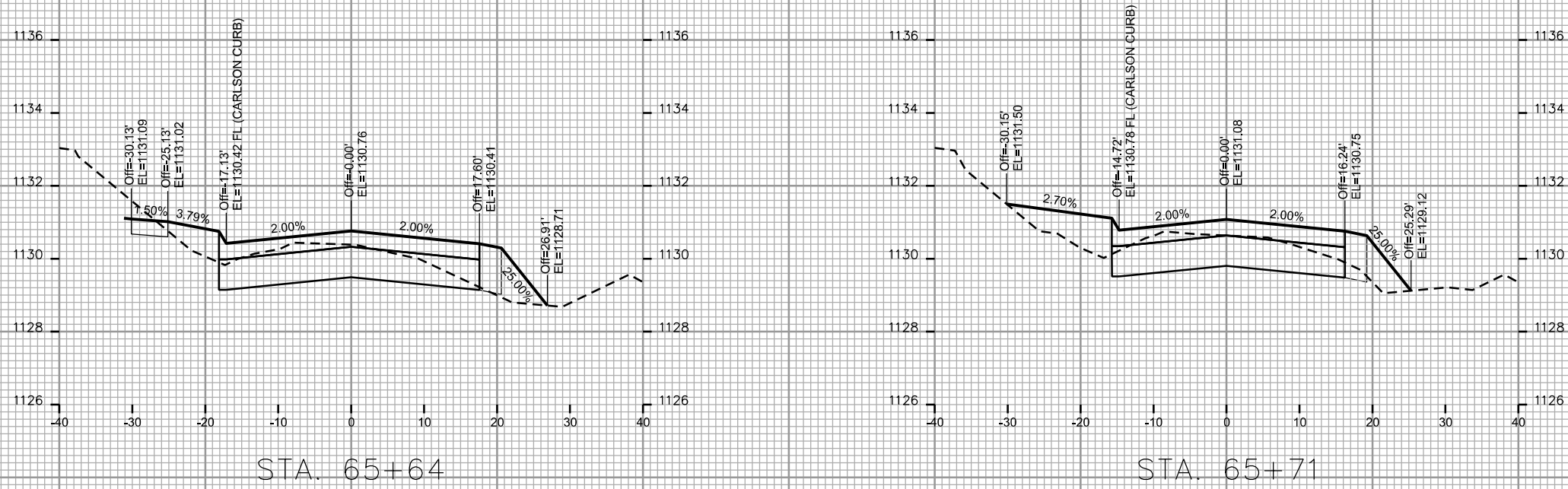
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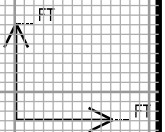
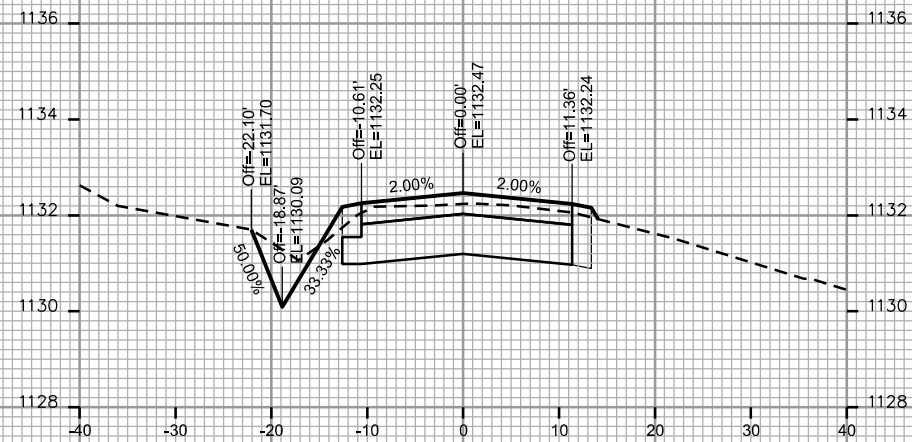
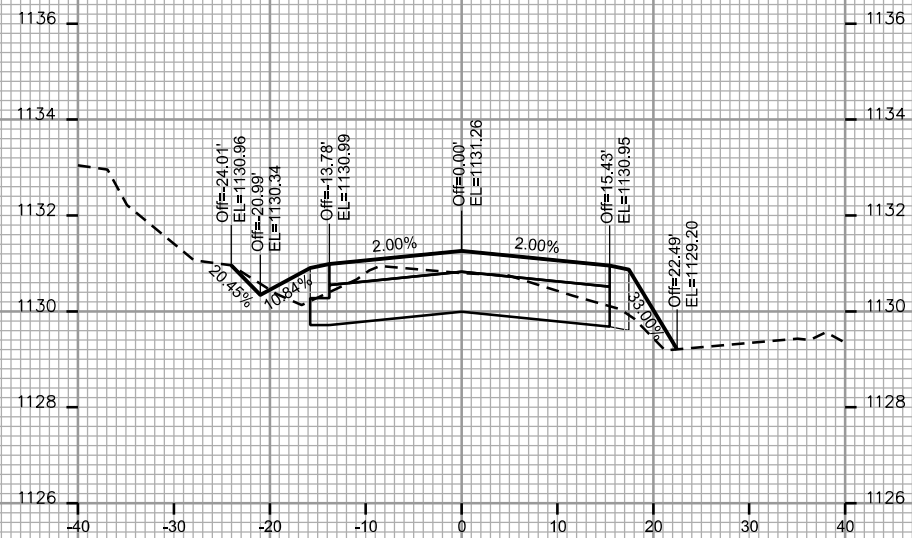
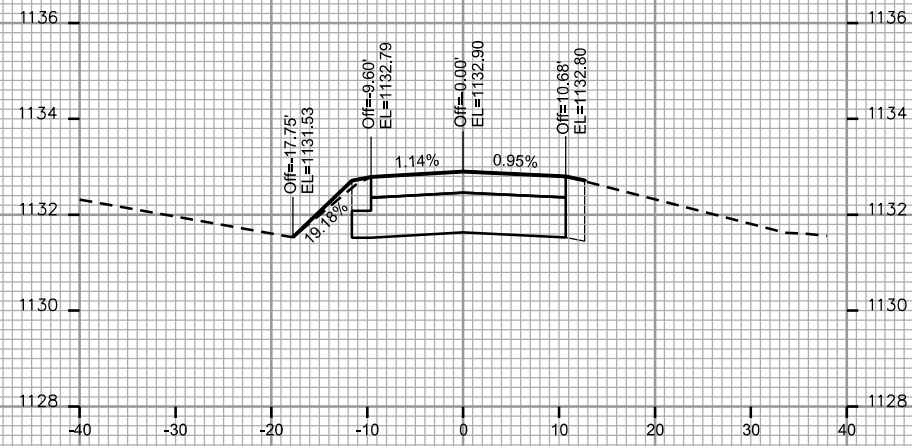
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CROSS SECTIONS
SUGAR MAPLE LANE /
SCHEWE ROAD CITY OF MADISON



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ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

WHITE FOX LANE

CITY OF MADISON

REV. 10/22/2018 AJM

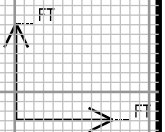
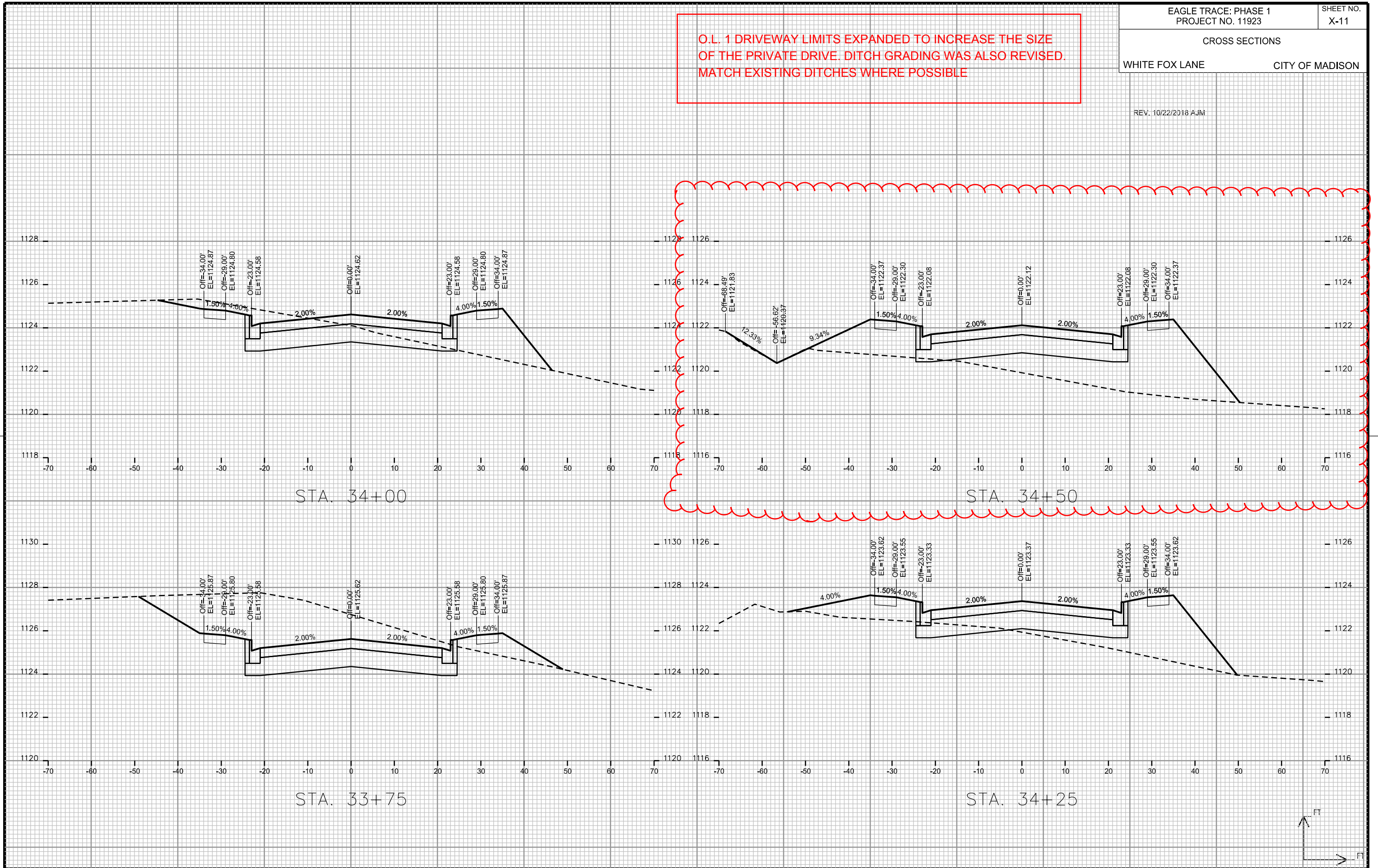
O.L. 1 DRIVEWAY LIMITS EXPANDED TO INCREASE THE SIZE OF THE PRIVATE DRIVE. DITCH GRADING WAS ALSO REVISED. MATCH EXISTING DITCHES WHERE POSSIBLE

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ORIGINATOR: CITY OF MADISON - STREETS DIVISION



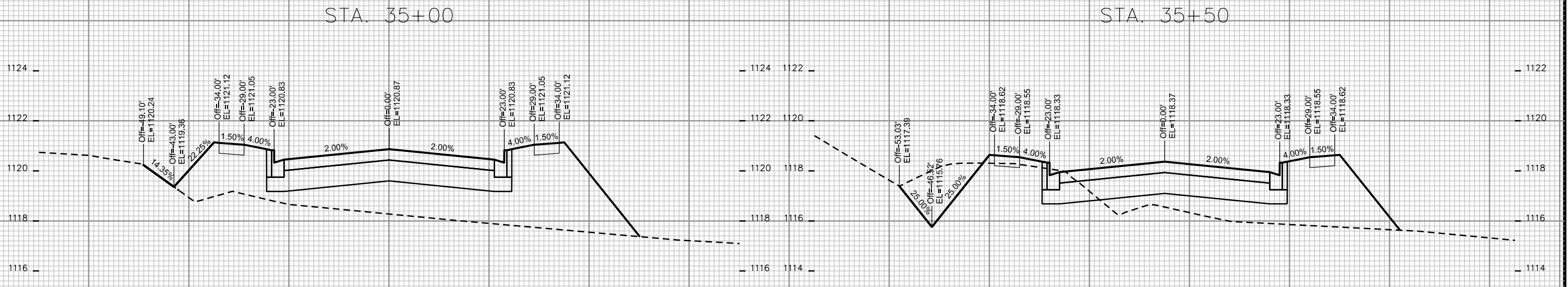
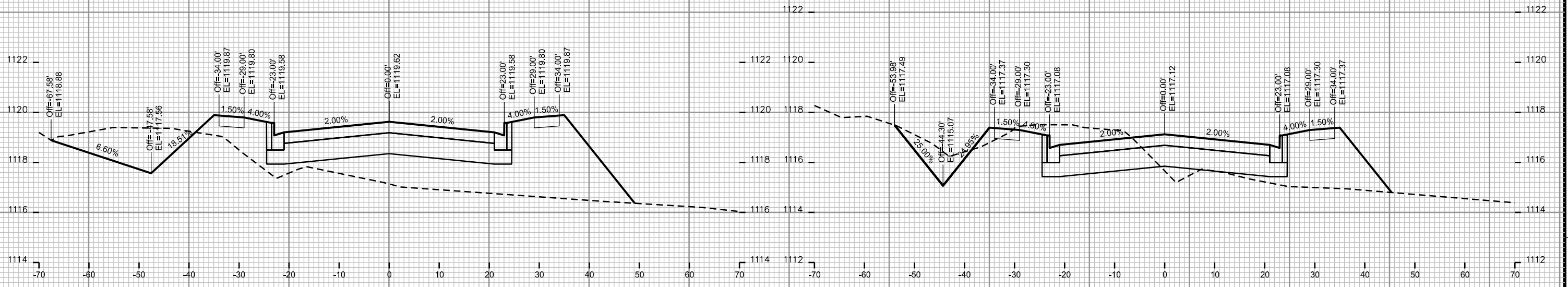
CROSS SECTIONS

WHITE FOX LANE

CITY OF MADISON

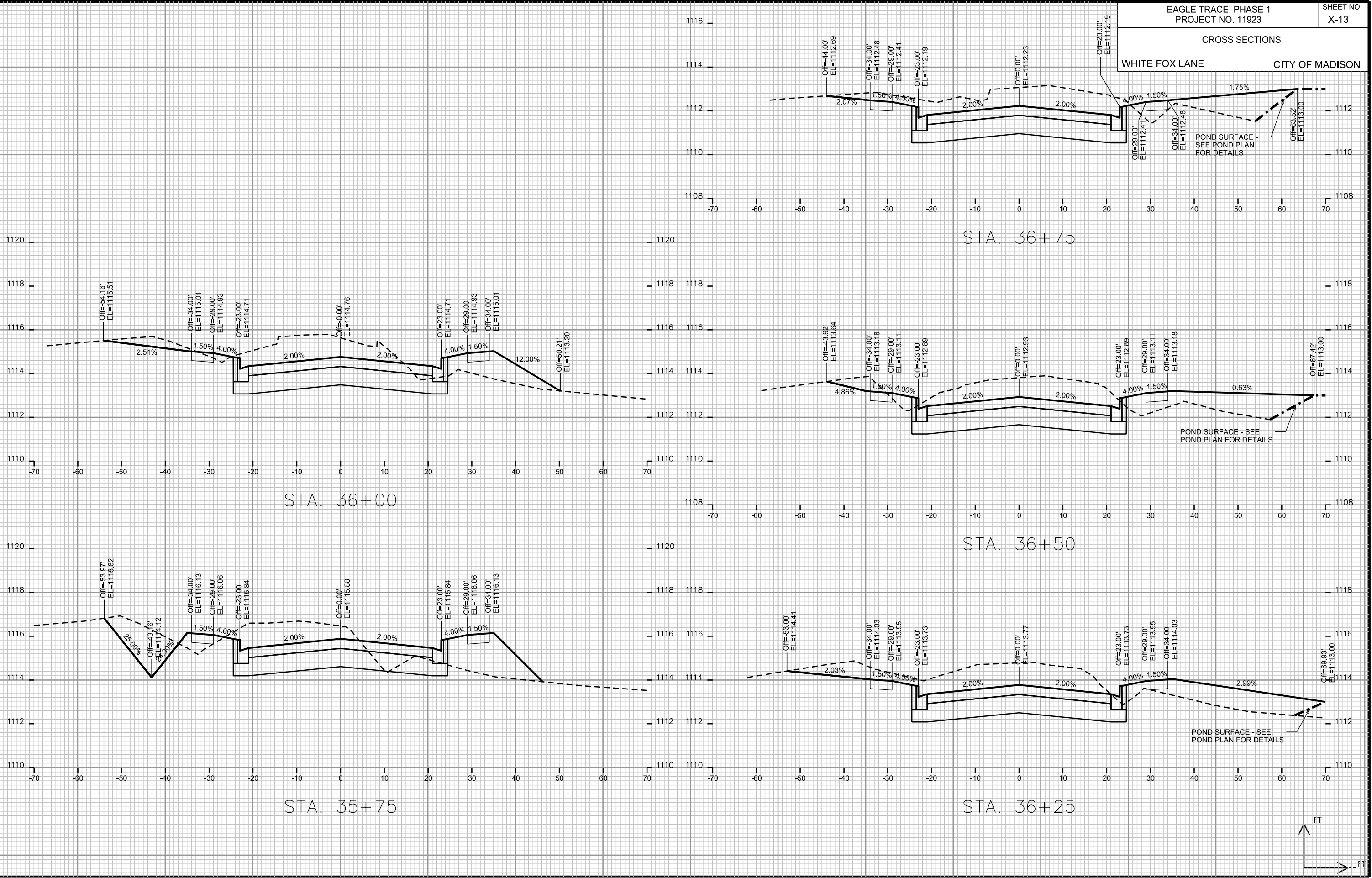
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CROSS SECTIONS
WHITE FOX LANE CITY OF MADISON

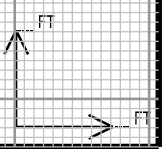


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CROSS SECTIONS

WHITE FOX LANE

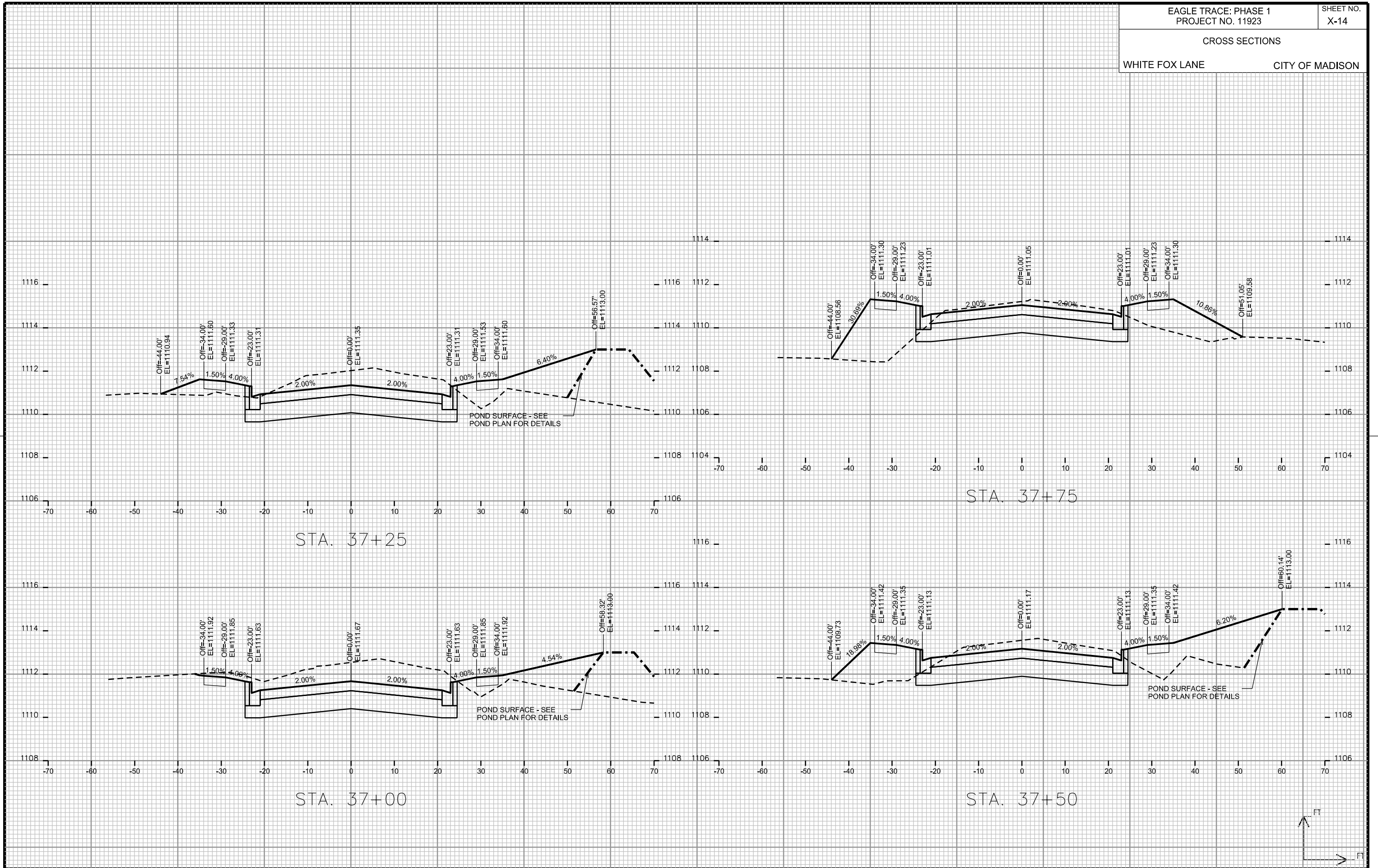
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CROSS SECTIONS

WHITE FOX LANE

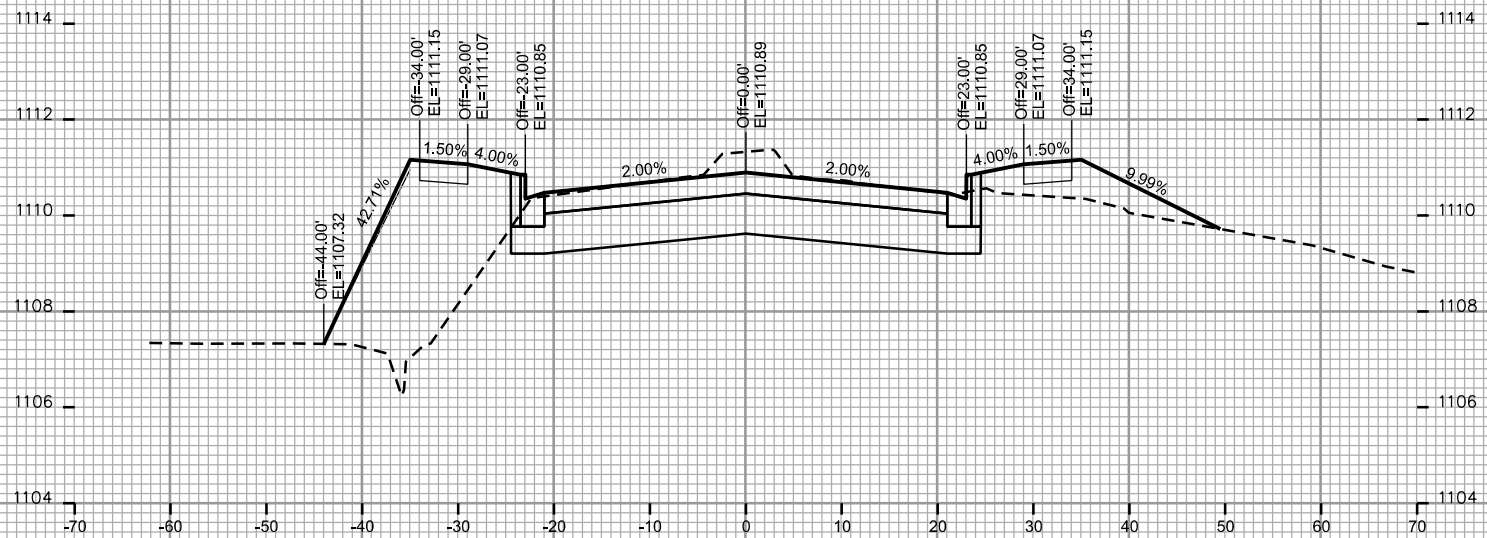
CITY OF MADISON

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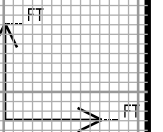
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ORIGINATOR: CITY OF MADISON - STREETS DIVISION



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CROSS SECTIONS

OUTLOT 1 DRIVEWAY

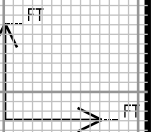
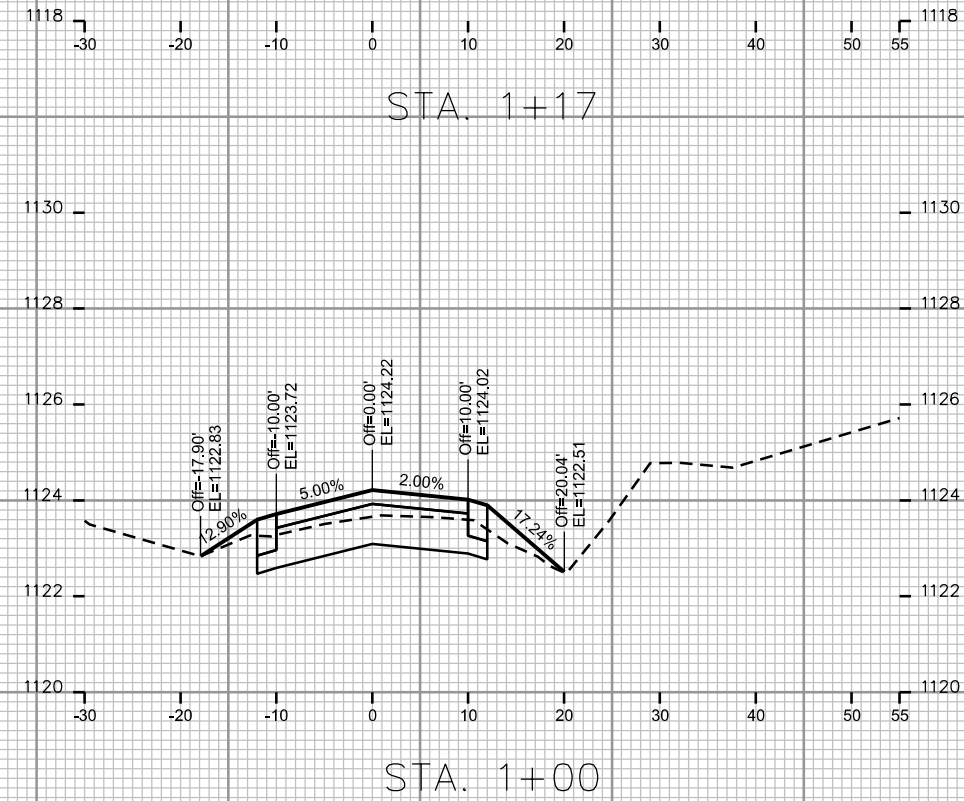
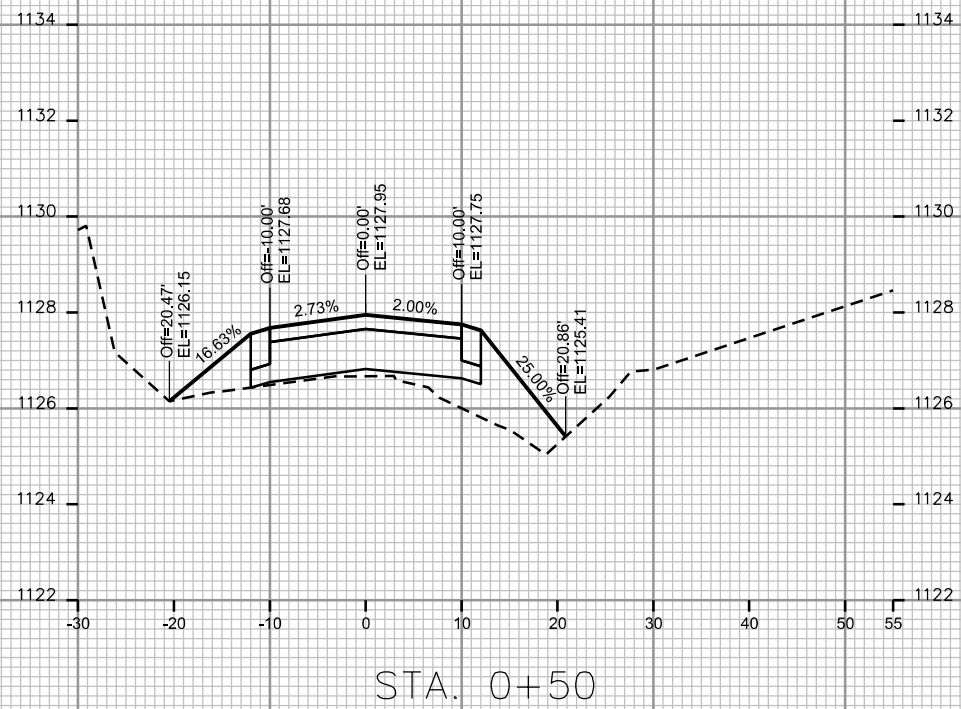
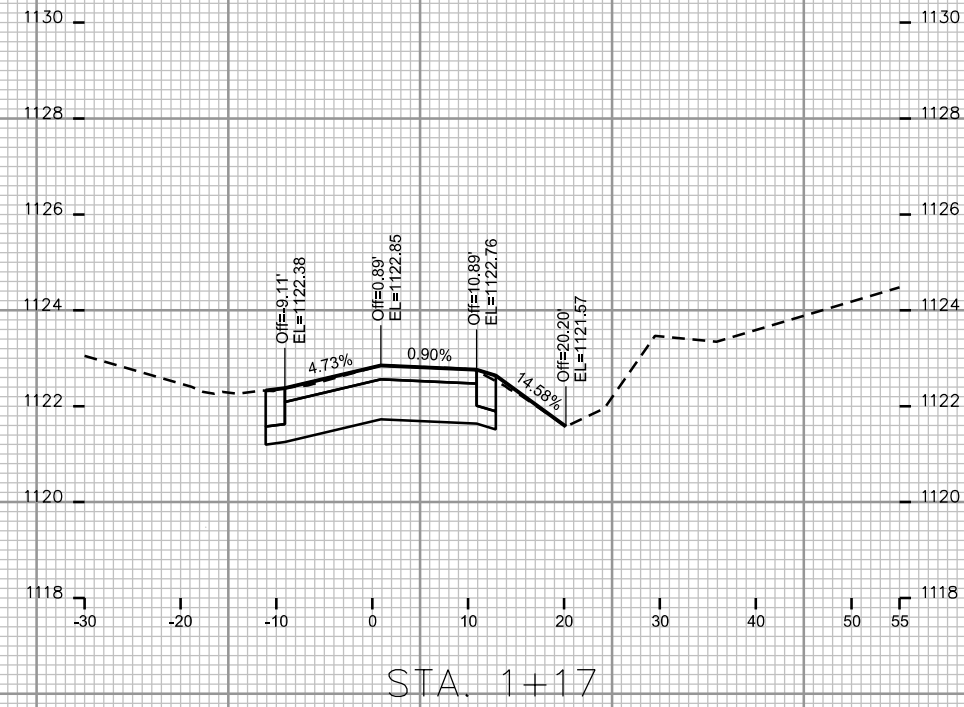
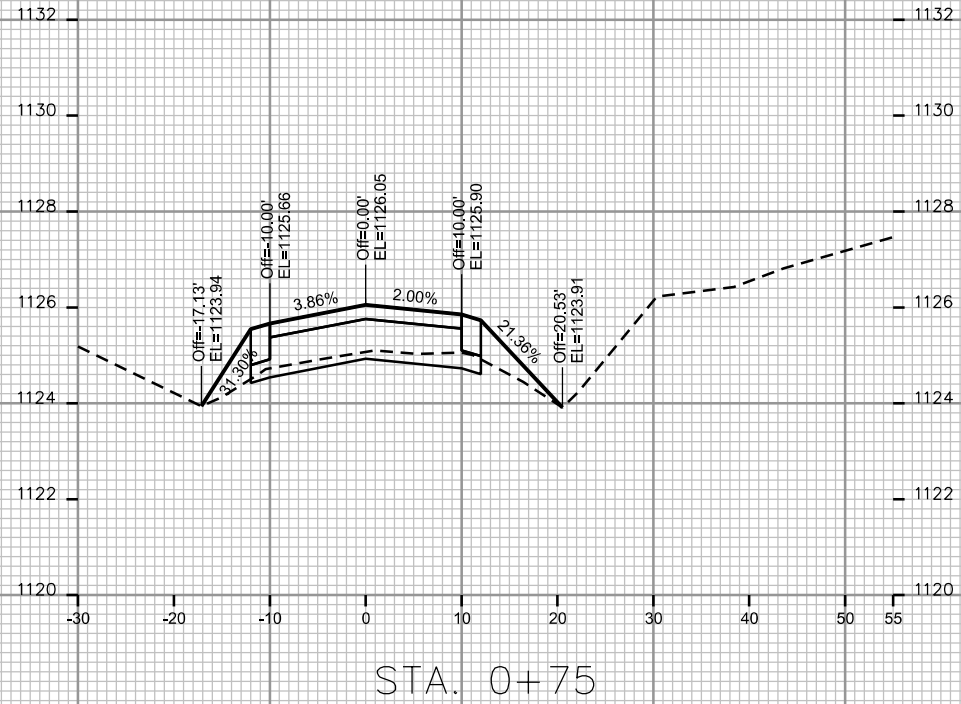
CITY OF MADISON

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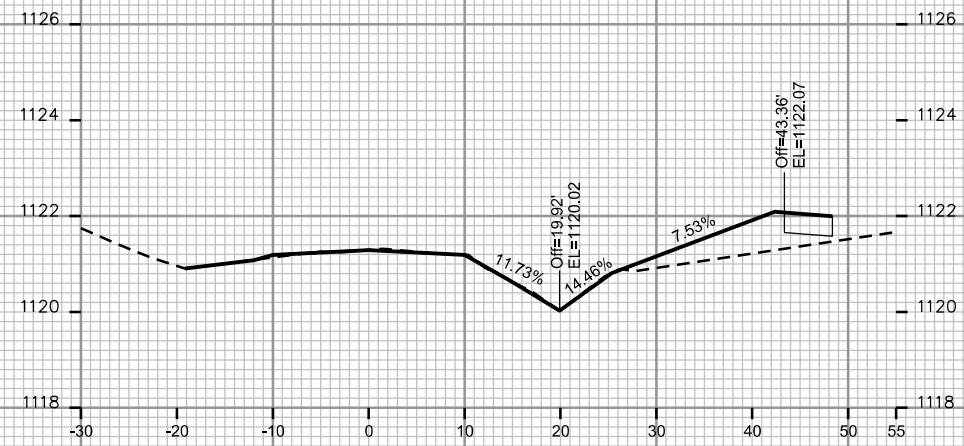
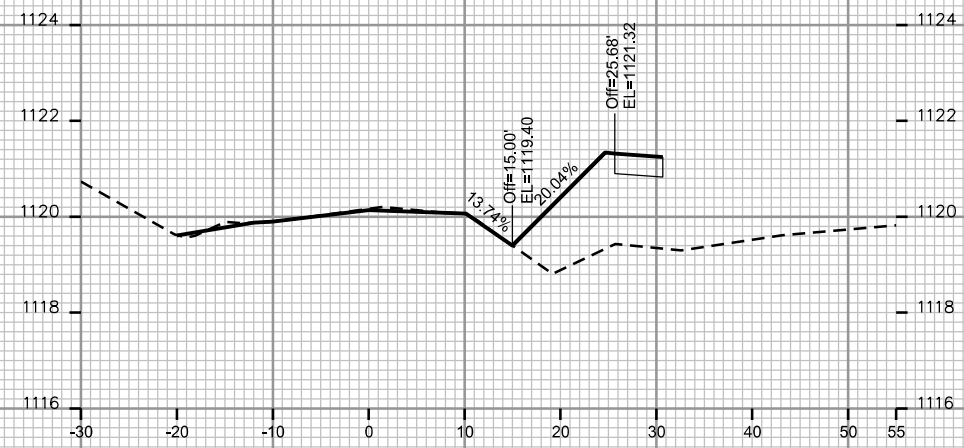
CROSS SECTIONS

OUTLOT 1 DRIVEWAY

CITY OF MADISON

REV. 09/20/2018 AJM
REV. 10/22/2018 AJM

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