

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS

SHEET NO.	D 1	STANDARD NOTES
SHEET NO.	D 2-D 5	TYPICAL SECTIONS
SHEET NO.	O 1	OVERVIEW PLAN
SHEET NO.	P 1-P 12	PLAN & PROFILE
SHEET NO.	U 1-U 10	UTILITIES PLAN & PROFILE
SHEET NO.	U SAN	SANITARY SEWER SCHEDULE
SHEET NO.	U STM 1-2	STORM SEWER SCHEDULE
SHEET NO.	W 1-W 9	WATER PLAN & PROFILE
SHEET NO.	W 10	WATER IMPACT PLAN
SHEET NO.	W 11	ESTIMATE OF WATER MATERIALS
SHEET NO.	PM 1	PAVEMENT MARKING PLAN
SHEET NO.	L 1-L 5	LANDSCAPING PLAN
SHEET NO.	X 1-X 20	CROSS SECTIONS
SHEET NO.	PB 1	PROPERTY BOUNDARY MARKERS
SHEET NO.	MN 1	MAINTENANCE PLAN (CITY USE ONLY)

HILL VALLEY - PHASE 1

CITY PROJECT NO. 15668
CONTRACT NO. 9643



PHASE LIMITS

PUBLIC PONDS
SEE PROJECT NO. 15669

PUBLIC IMPROVEMENT PROJECT
APPROVED

JULY 1, 2025

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

ENG- Greg Fries 08/29/2025

City Engineer

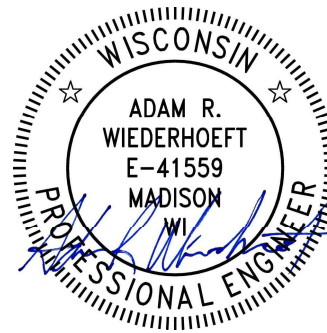
Date

STREET
DESIGNED BY:



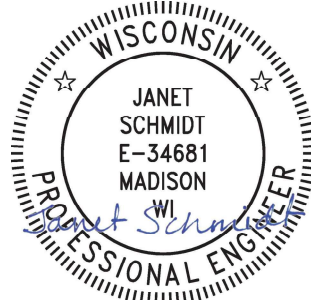
08/29/2025

WATER MAIN
DESIGNED BY:



08/27/2025

STORM SEWER
DESIGNED BY:



08/27/2025

GEOMETRY & PAVEMENT MARKINGS
DESIGNED BY:



08/27/2025

SANITARY SEWER
DESIGNED BY:



08/27/2025

ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLANS ARE APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

AS DEFINED BY SECTION 107.13 OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE:
www.cityofmadison.com/engineering/developers-contractors/standard-specifications

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.

CONTACT THE PROJECT ENGINEER AND DESIGNER, FADI EL MUSA GONZALEZ, AT FELMUSAGONZALEZ@CITYOFMADISON.COM FOR CAD FILES AND ALIGNMENT DATA PRIOR TO STAKING.

CONTACT THE CITY CONSTRUCTION ENGINEER, KYLE FRANK, AT KFRANK@CITYOFMADISON.COM FOR PRECONSTRUCTION SCHEDULING, COORDINATION, AND INSPECTION.

CONVENTIONAL SIGNS
FIELD VERIFY ALL UTILITY LOCATIONS

- GAS

STORM SEWER

SANITARY SEWER

WATER

BURIED ELECTRIC

OVERHEAD ELECTRIC

POWER POLE

ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD

COMBUSTIBLE FLUIDS
- G ——

—— ST ——

—— SAN ——

—— W ——

—— E ——

—— OH ——







ALL PAVEMENT IN THE OUT OF TIME LANE, FIRE TRACK LANE, PARADOX LANE, SPORTS ALMANAC ROAD, AND WALDORF BOULEVARD RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE SOUTH HIGH POINT 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 GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE 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. 3.04. 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 4:1. 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.

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT 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 UNLESS OTHERWISE INDICATED ON THE PLANS.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY 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 S.D.D 3.05.

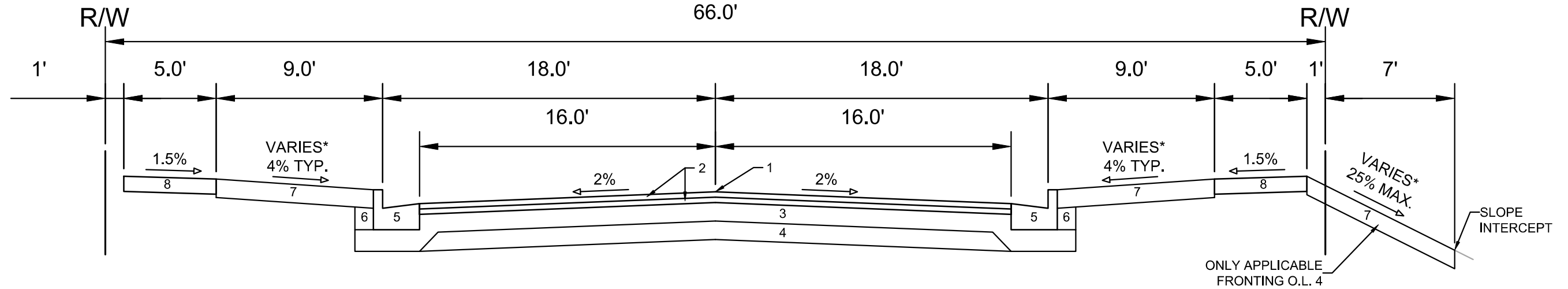
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.

ALL PROPOSED IMPROVEMENTS IN THE RIGHT-OF-WAY ARE BASED ON SURVEY DATA PROVIDED BY THE DEVELOPER OR ITS CONSULTANT. IN THE CASE THAT THE PROPOSED IMPROVEMENTS CAN NOT BE INSTALLED PER THESE PLANS OR THE CITY OF MADISON STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE COST OF EXTRA WORK DUE TO INACCURACIES OF THE SURVEY.

ALL UTILITY VERIFICATIONS AND ACCURACY OF THE DRAWINGS ARE THE RESPONSIBILITY OF THE DEVELOPER. ANY CONFLICTS THAT ARISE FROM MISSING OR ERRONEOUS INFORMATION WILL BE AT THE EXPENSE OF THE DEVELOPER. NO PRECAST STRUCTURES WILL BE APPROVED FOR STORM OR SANITARY SEWER UNTIL ALL POTENTIAL UTILITY CONFLICTS ARE RESOLVED.

IN LOCATIONS WHERE PAVEMENT RESTORATION IS NOT IDENTIFIED ADJACENT TO CURB AND GUTTER REPLACEMENT, IT IS ASSUMED THAT CURB AND GUTTER WILL BE REPLACED WITHOUT DAMAGING ADJACENT PAVEMENT. IF DAMAGED, THE MILL AND OVERLAY LIMITS SHALL BE EXTENDED BY THE CITY CONSTRUCTION ENGINEER AS NECESSARY TO MEET THE STANDARD PATCHING CRITERIA.

15668	MADISON, WI	9643	15668	D-1
HILL VALLEY - PHASE 1		CONTRACT NO:		
M:\DESIGN\Projects\15668\CAD\Streets\15668EN-Details.dwg				
				
15668				
D-1				

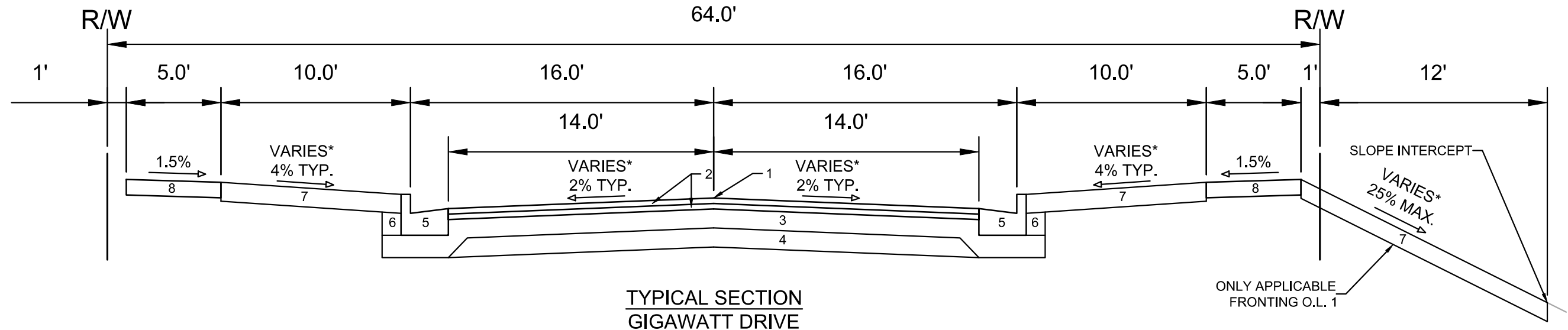


TYPICAL SECTION
WALDORF BOULEVARD

- 1 POINT REFERRED TO ON PROFILE
- 2 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S**
- 3 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 5 CONCRETE CURB AND GUTTER TYPE 'A'.
- 6 FILL
- 7 6" TOPSOIL, SEED AND MATTING
- 8 5" CONCRETE SIDEWALK

SPECIAL NOTES:

- * SEE SHEETS P-4 & X-11 TO X-12 FOR CROSS SLOPES
- ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

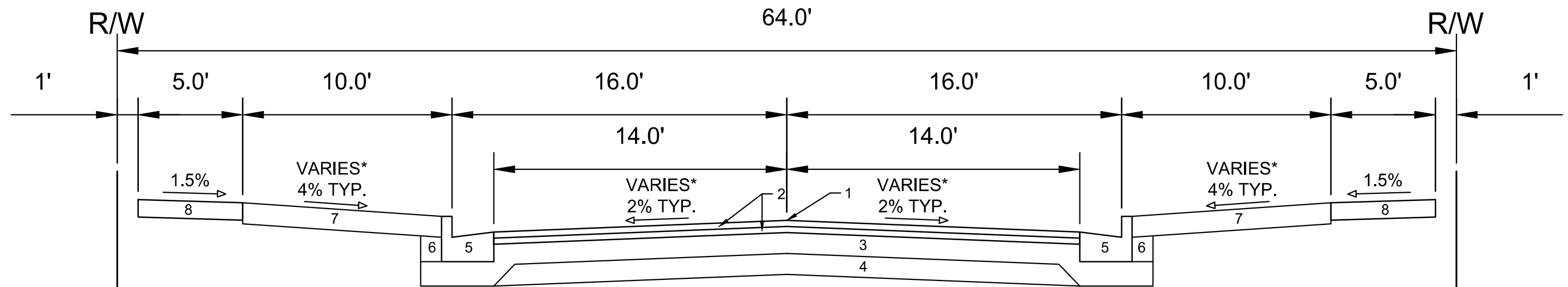


TYPICAL SECTION
GIGAWATT DRIVE

- 1 POINT REFERRED TO ON PROFILE
- 2 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S**
- 3 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 5 CONCRETE CURB AND GUTTER TYPE 'A'.
- 6 FILL
- 7 6" TOPSOIL, SEED AND MATTING
- 8 5" CONCRETE SIDEWALK

SPECIAL NOTES:

- * SEE SHEETS P-1 TO P-3 & X-1 TO X-10 FOR CROSS SLOPES
- ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

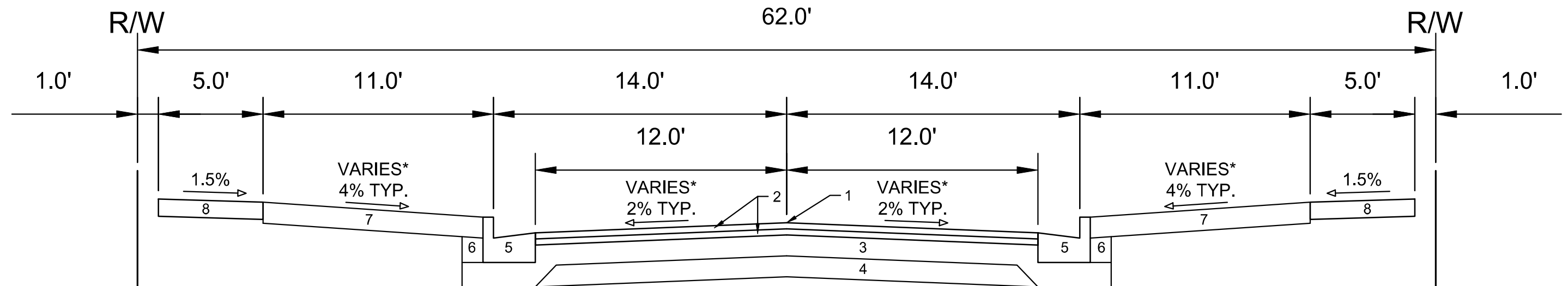


TYPICAL SECTION
FIRE TRACK LANE

- 1 POINT REFERRED TO ON PROFILE
- 2 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S**
- 3 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 5 CONCRETE CURB AND GUTTER TYPE 'A'.
- 6 FILL
- 7 6" TOPSOIL, SEED AND MATTING
- 8 5" CONCRETE SIDEWALK

SPECIAL NOTES:

- * SEE SHEETS P-6 & X-14 FOR CROSS SLOPES
 ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY



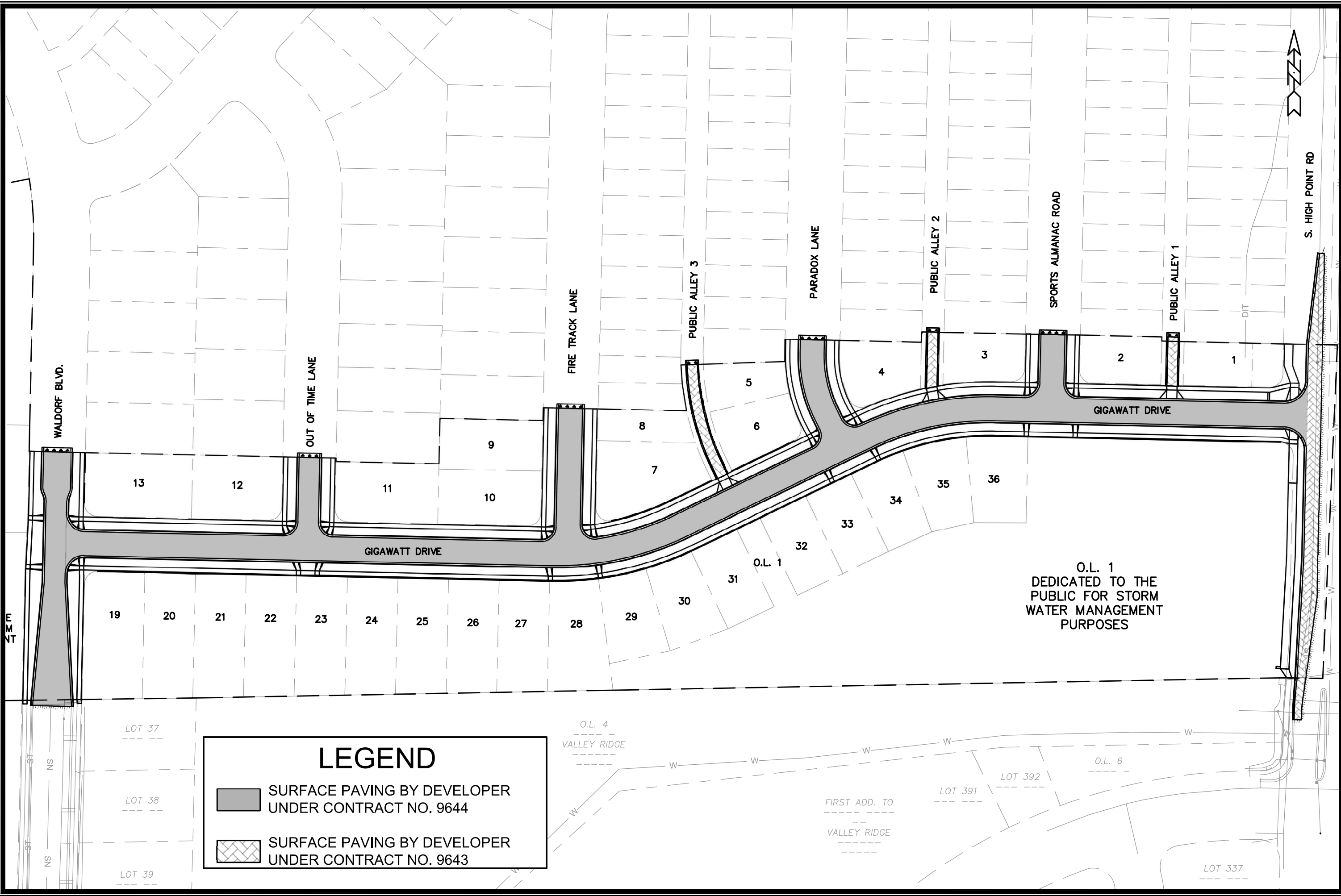
TYPICAL SECTION
OUT OF TIME LANE

- 1 POINT REFERRED TO ON PROFILE
- 2 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S**
- 3 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 5 CONCRETE CURB AND GUTTER TYPE 'A'.
- 6 FILL
- 7 6" TOPSOIL, SEED AND MATTING
- 8 5" CONCRETE SIDEWALK

SPECIAL NOTES:

- * SEE SHEETS P-5 & X-13 FOR CROSS SLOPES
 ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

15668	MADISON, WI	9643	15668	D-3
TYPICAL SECTIONS		CONTRACT NO:		
HILL VALLEY - PHASE 1		M:\DESIGN\Projects\15668\CAD\Streets\15668EN-Details.dwg		
		15668 D-3		



LEGEND

SURFACE PAVING BY DEVELOPER
UNDER CONTRACT NO. 9644

SURFACE PAVING BY DEVELOPER
UNDER CONTRACT NO. 9643

OVERVIEW PLAN

HILL VALLEY - PHASE 1

M:\DESIGN\Projects\15668\CAD\Streets\15668EN-OverviewPlan.dwg

15668

0-1

15668

MADISON, WI

9643

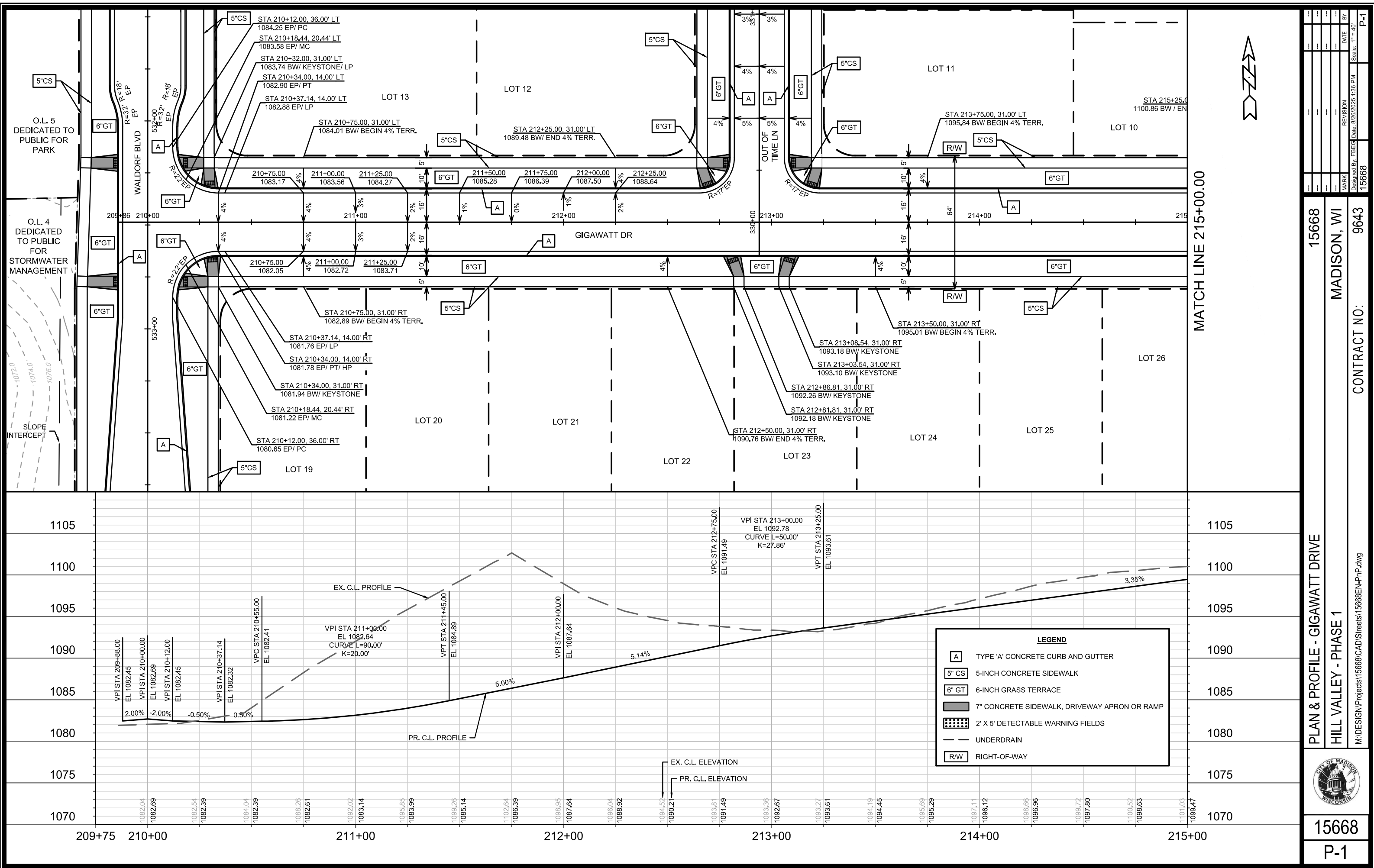
CONTRACT NO:

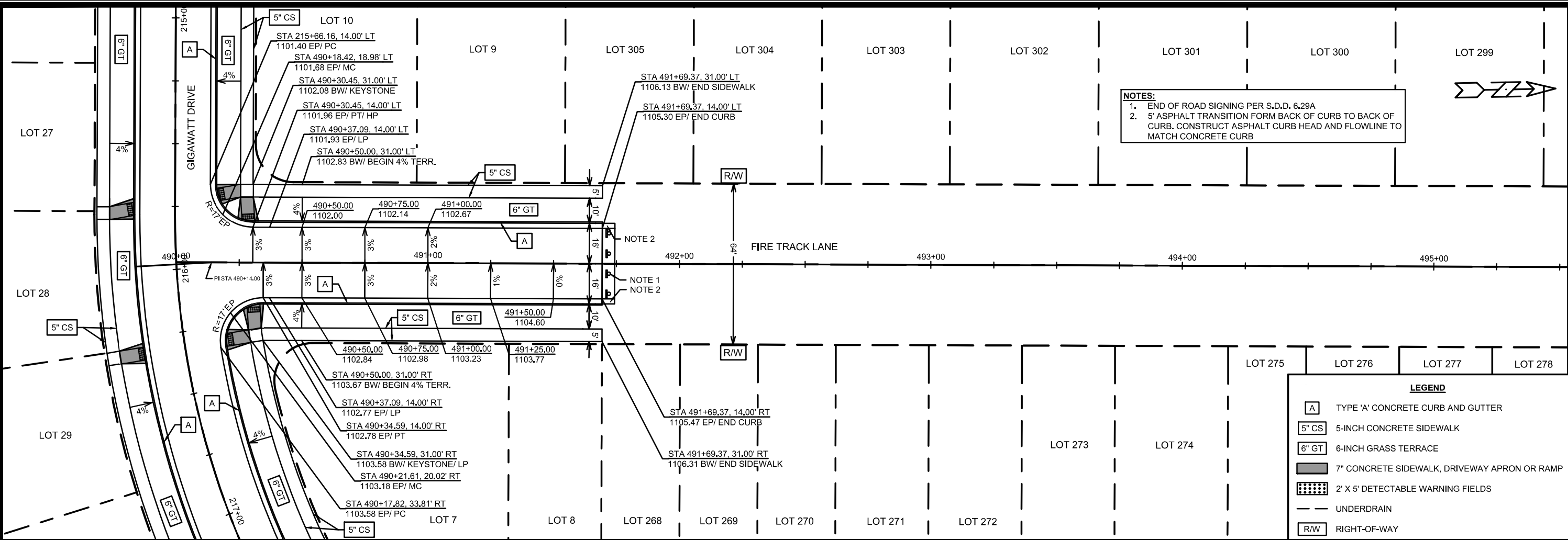
MARK	REVISION	DATE	BY

Designed By: FBEG Date: 8/25/2025 11:02 AM Scale: 1:100

15668

O-1

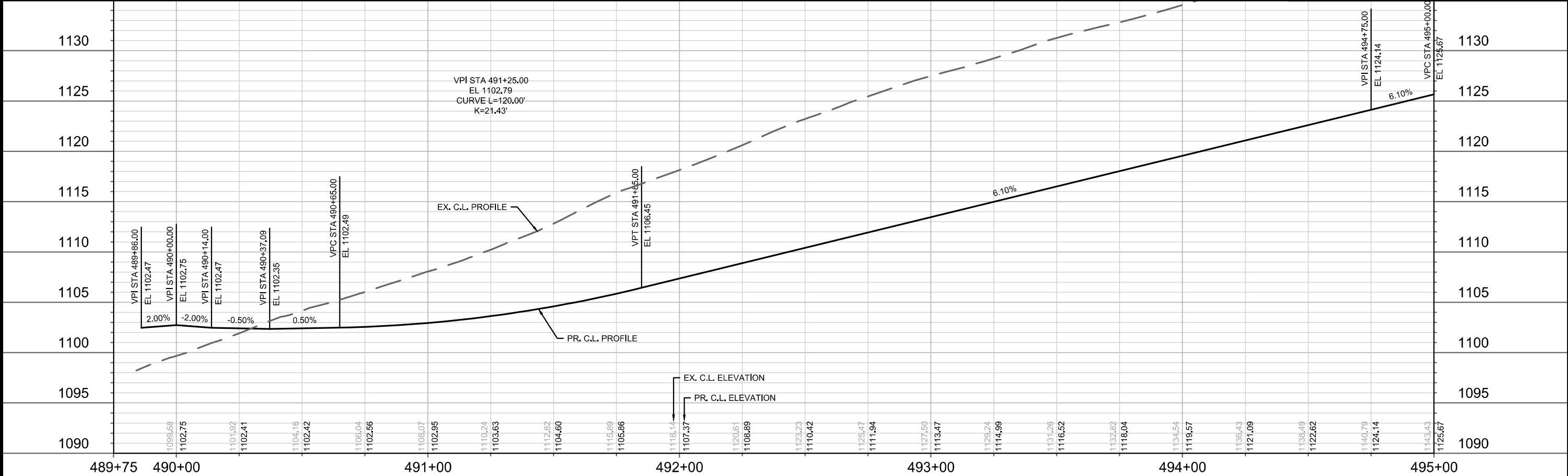




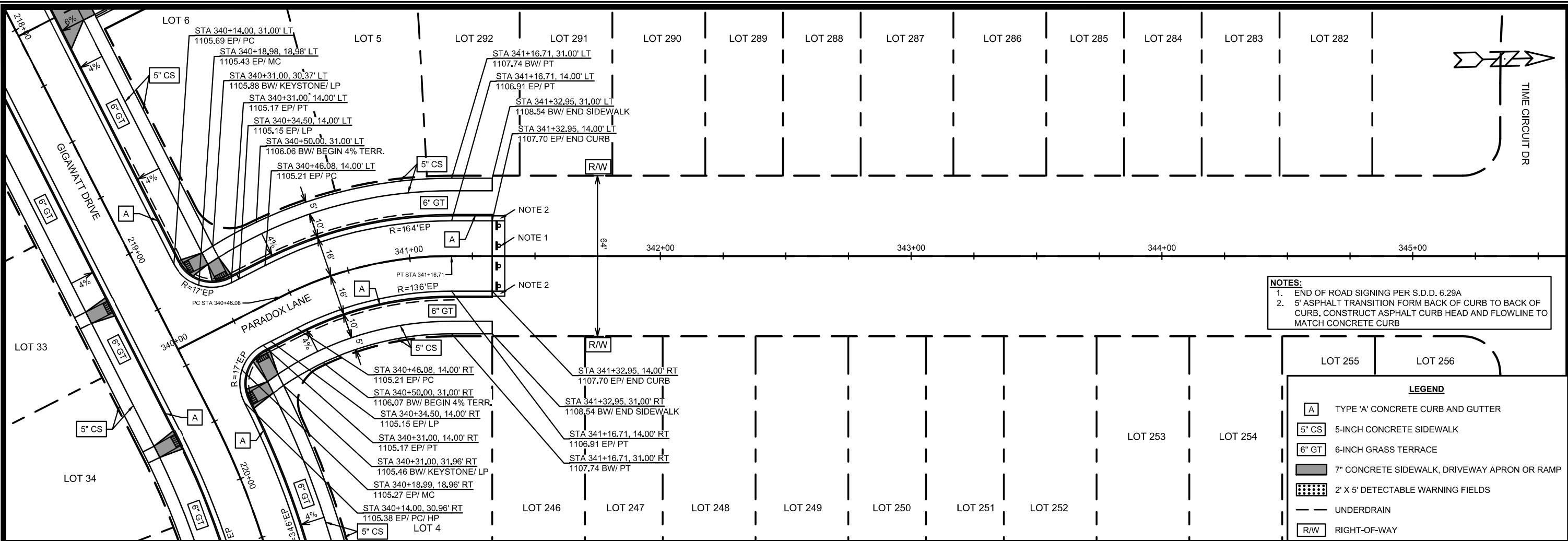
NOTES:
1. END OF ROAD SIGNING PER S.D.D. 6.29A
2. 5' ASPHALT TRANSITION FORM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB

LEGEND

- A** TYPE 'A' CONCRETE CURB AND GUTTER
- 5" CS** 5-INCH CONCRETE SIDEWALK
- 6" GT** 6-INCH GRASS TERRACE
- 7" CONCRETE SIDEWALK, DRIVEWAY APRON OR RAMP
- 2' X 5' DETECTABLE WARNING FIELDS
- UNDERDRAIN
- R/W** RIGHT-OF-WAY



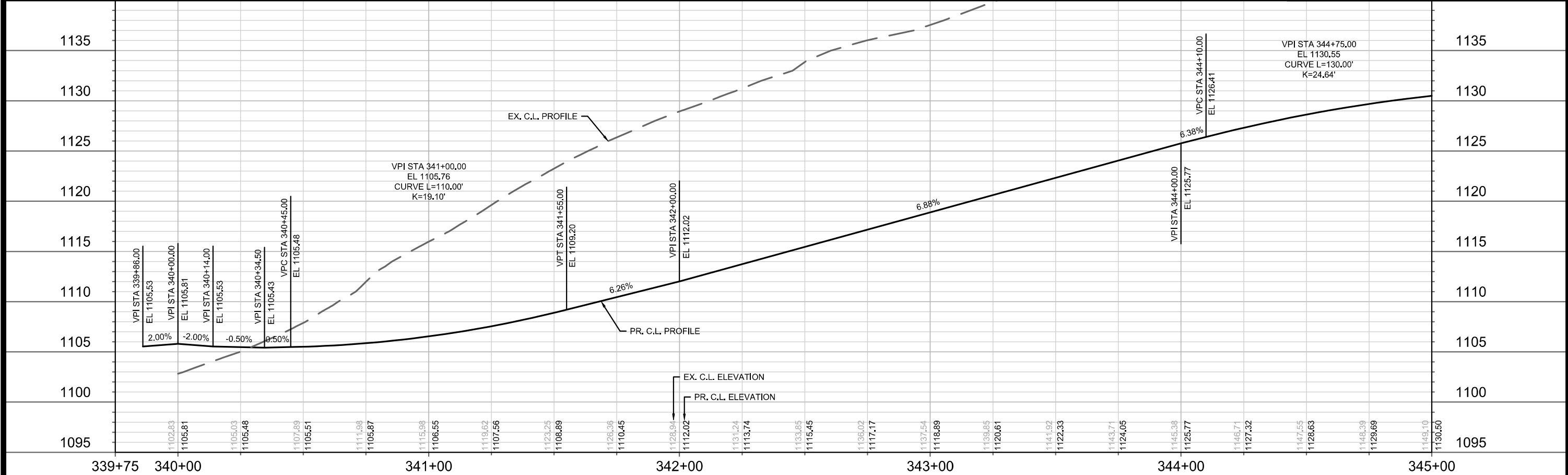
15668	MADISON, WI	9643	CONTRACT NO:
PLAN & PROFILE - FIRE TRACK LANE			
HILL VALLEY - PHASE 1			
M:\DESIGN\Projects\15668\CAD\Streets\15668EN-PnP.dwg			
15668			
P-6			



NOTES:
1. END OF ROAD SIGNING PER S.D.D. 6.29A
2. 5' ASPHALT TRANSITION FORM BACK OF CURB TO BACK OF CURB, CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB

LEGEND

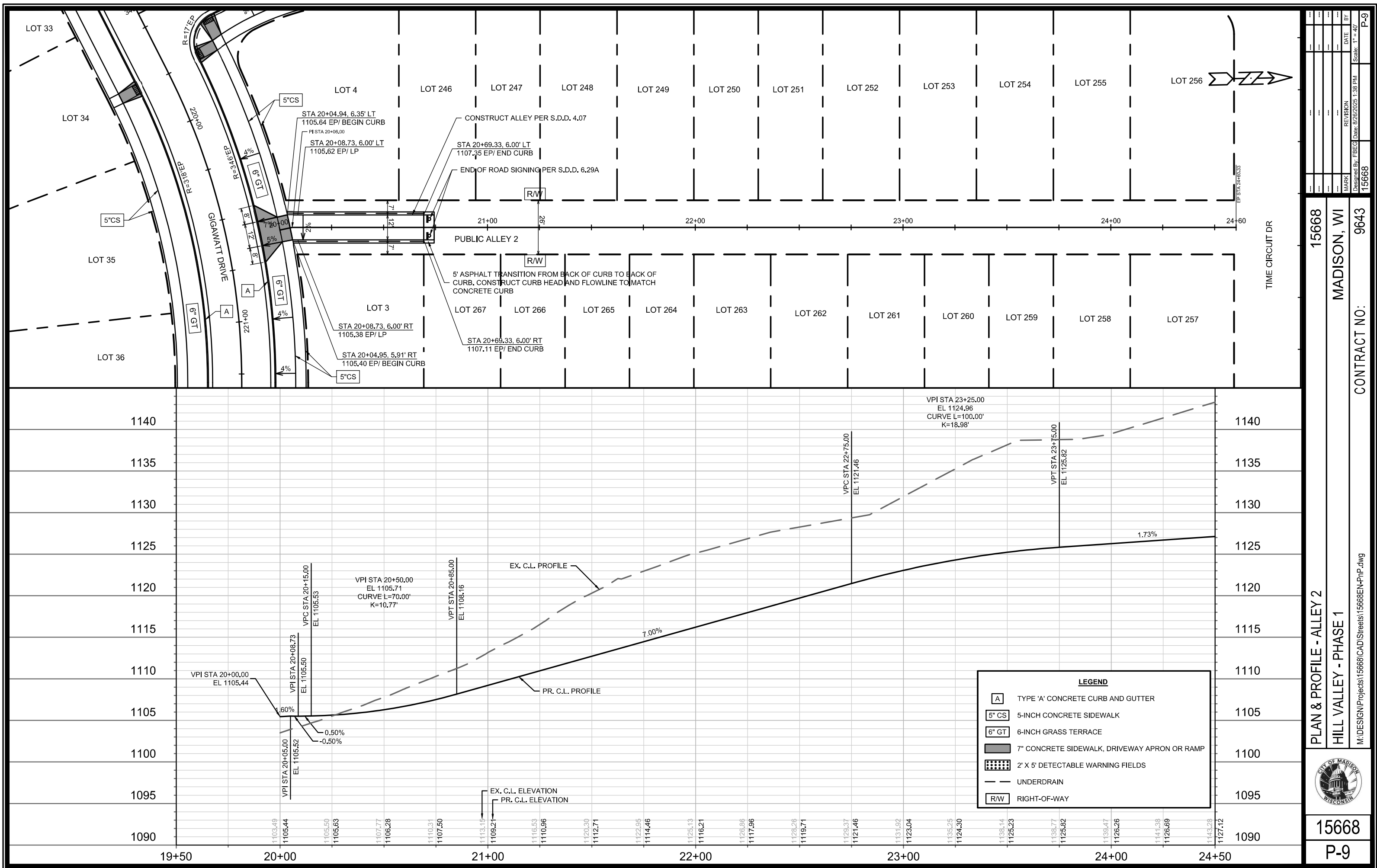
- A** TYPE 'A' CONCRETE CURB AND GUTTER
- 5" CS** 5-INCH CONCRETE SIDEWALK
- 6" GT** 6-INCH GRASS TERRACE
- 7" CONCRETE SIDEWALK, DRIVEWAY APRON OR RAMP
- 2' X 5' DETECTABLE WARNING FIELDS
- UNDERDRAIN
- R/W** RIGHT-OF-WAY

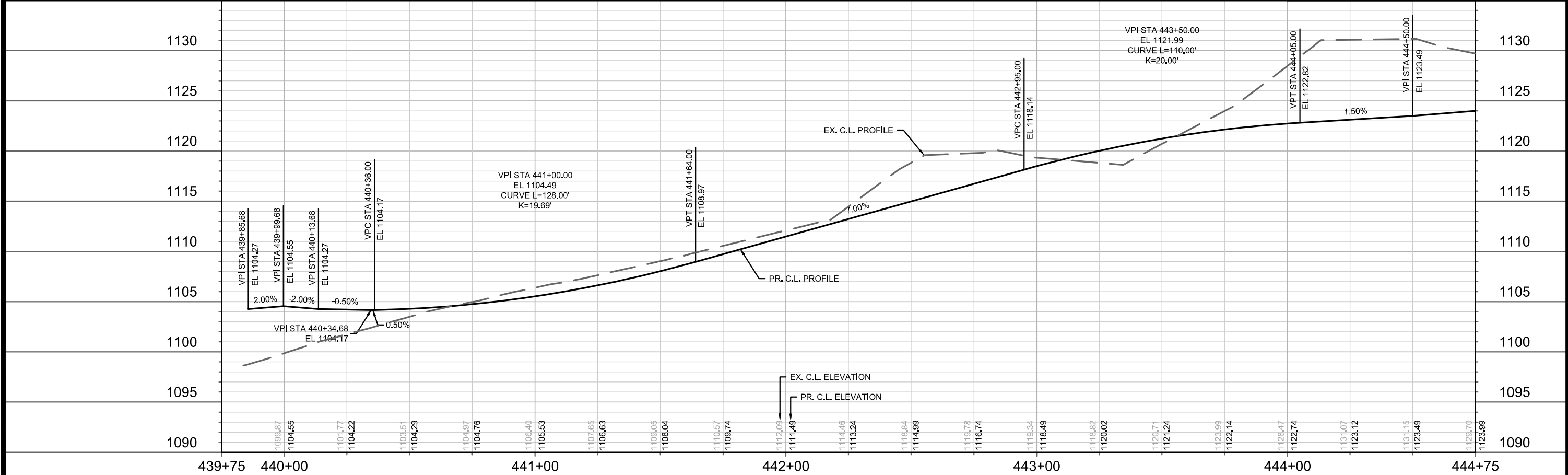
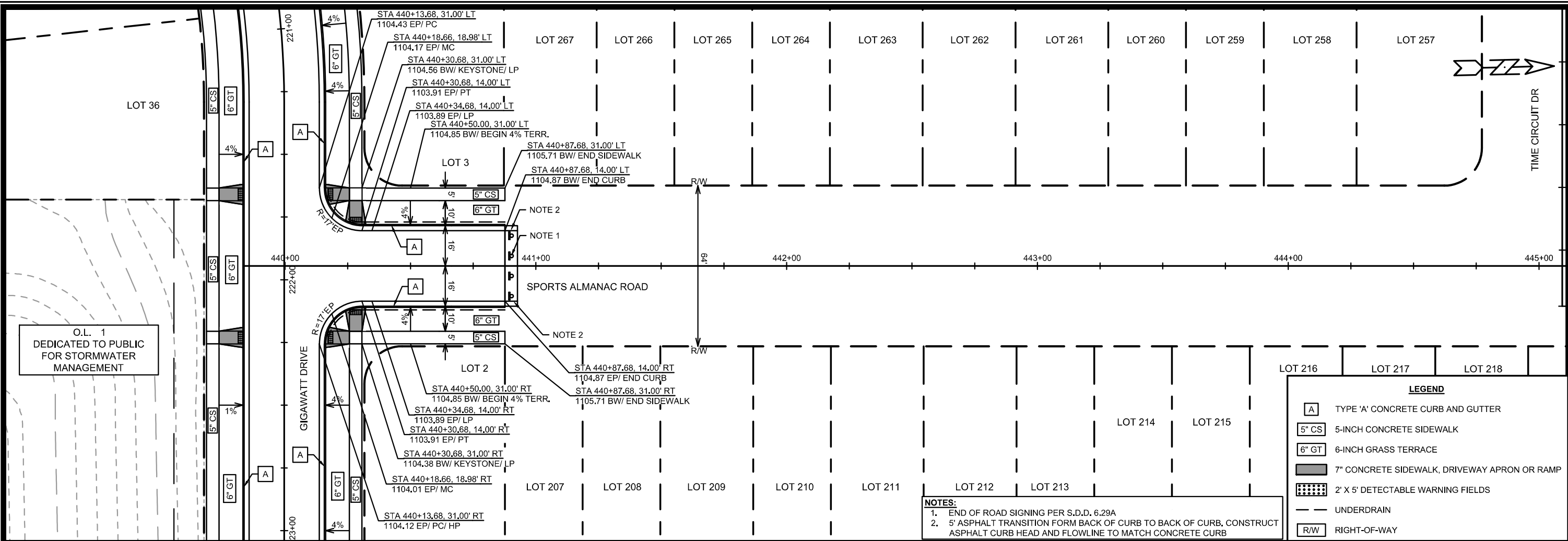


15668	MADISON, WI	9643	CONTRACT NO:
PLAN & PROFILE - PARADOX LANE			
HILL VALLEY - PHASE 1			
M:\DESIGN\Projects\15668\CAD\Streets\15668EN-PnP.dwg			
15668			
P-8			

15668
MADISON, WI
9643
CONTRACT NO:

15668
P-8





LEGEND

- [A] TYPE 'A' CONCRETE CURB AND GUTTER
- [5" CS] 5-INCH CONCRETE SIDEWALK
- [6" GT] 6-INCH GRASS TERRACE
- [Pattern] 7" CONCRETE SIDEWALK, DRIVEWAY APRON OR RAMP
- [Pattern] 2' X 5' DETECTABLE WARNING FIELDS
- [---] UNDERDRAIN
- [R/W] RIGHT-OF-WAY

NOTES:

1. END OF ROAD SIGNING PER S.D.D. 6.29A
2. 5' ASPHALT TRANSITION FORM BACK OF CURB TO BACK OF CURB, CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB

15668

MADISON, WI

CONTRACT NO: 9643

PLAN & PROFILE - SPORTS ALMANAC ROAD

HILL VALLEY - PHASE 1

15668

P-10

DESIGNED BY: FBEG

DATE: 8/26/2025 1:38 PM

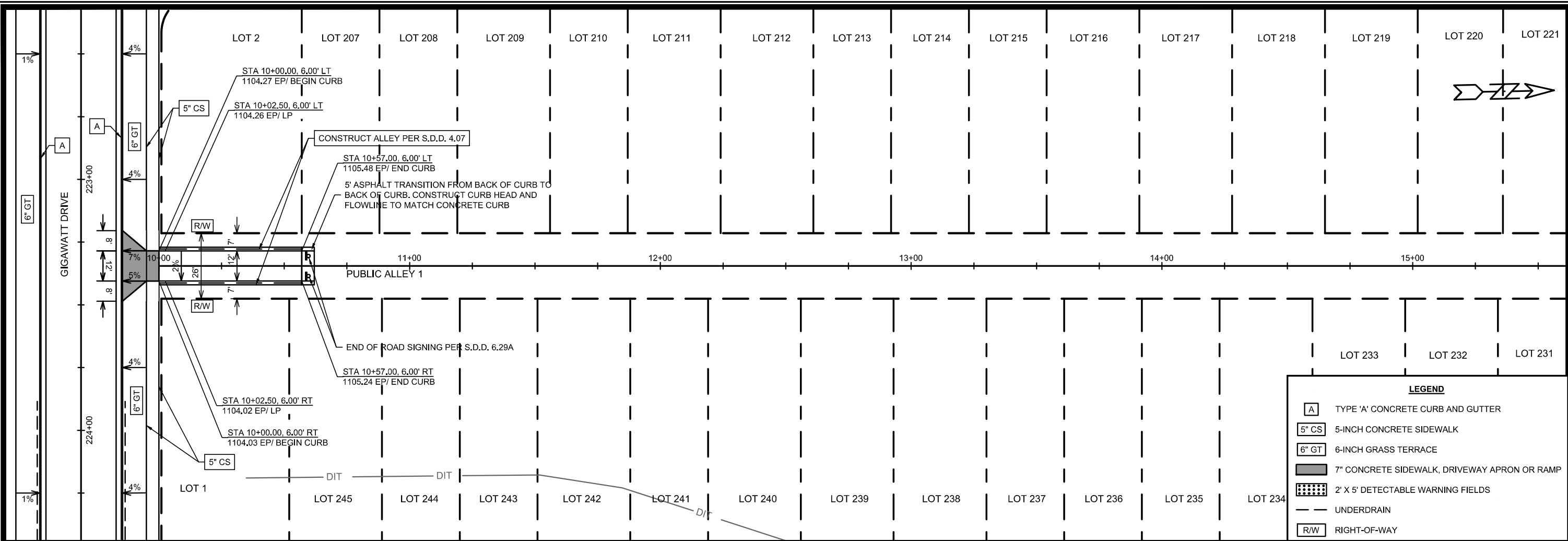
REVISION

MARK

BY

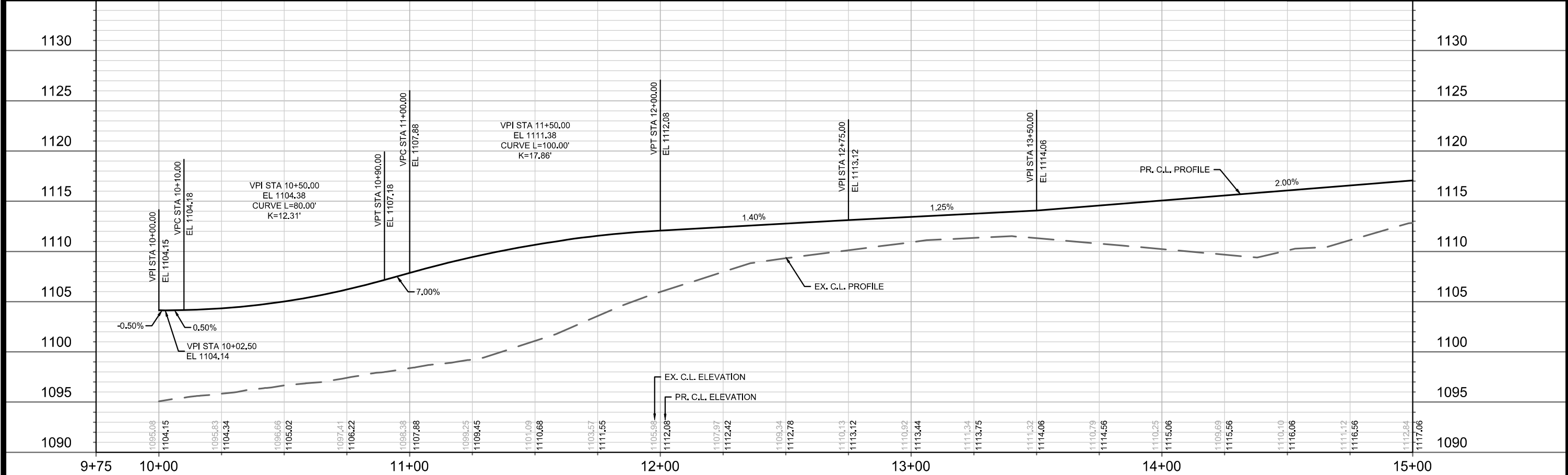
DATE

P-10



LEGEND

- A** TYPE 'A' CONCRETE CURB AND GUTTER
- 5" CS** 5-INCH CONCRETE SIDEWALK
- 6" GT** 6-INCH GRASS TERRACE
- 7"** 7" CONCRETE SIDEWALK, DRIVEWAY APRON OR RAMP
- 2' X 5'** 2' X 5' DETECTABLE WARNING FIELDS
- UNDERDRAIN
- R/W** RIGHT-OF-WAY



15668		MADISON, WI		9643	
PLAN & PROFILE - ALLEY 1		HILL VALLEY - PHASE 1		CONTRACT NO:	
15668		P-11			

City of Madison, Wisconsin logo

M:\DESIGN\Projects\15668\CAD\Streets\15668EN-PnP.dwg

Designed By: FBEG Date: 8/26/2025 1:38 PM Scale: 1" = 40'

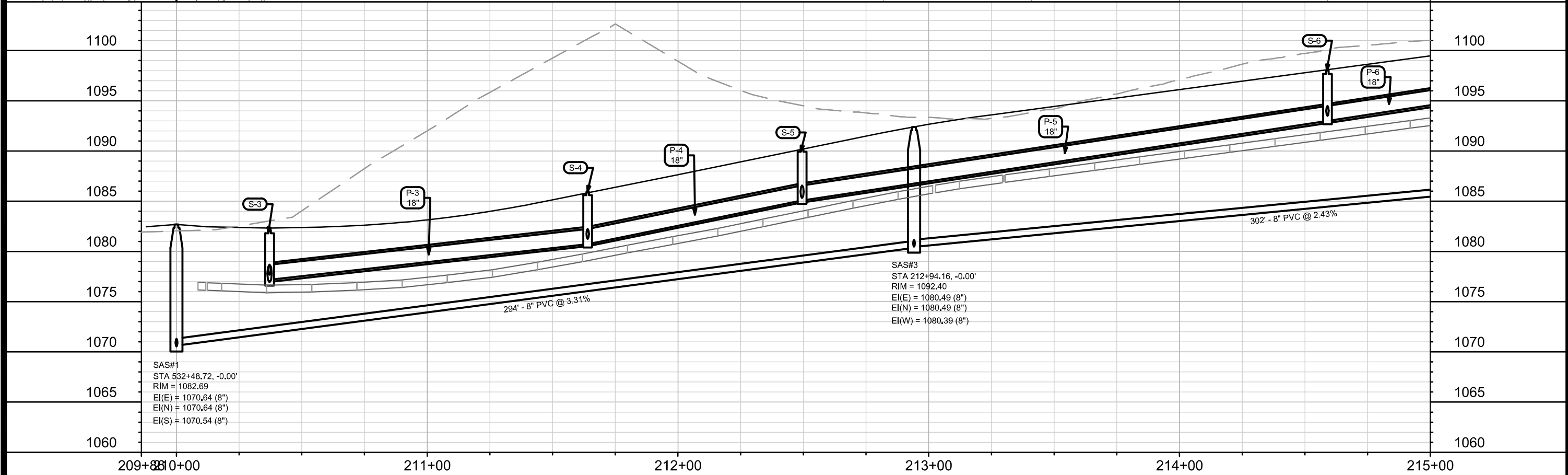
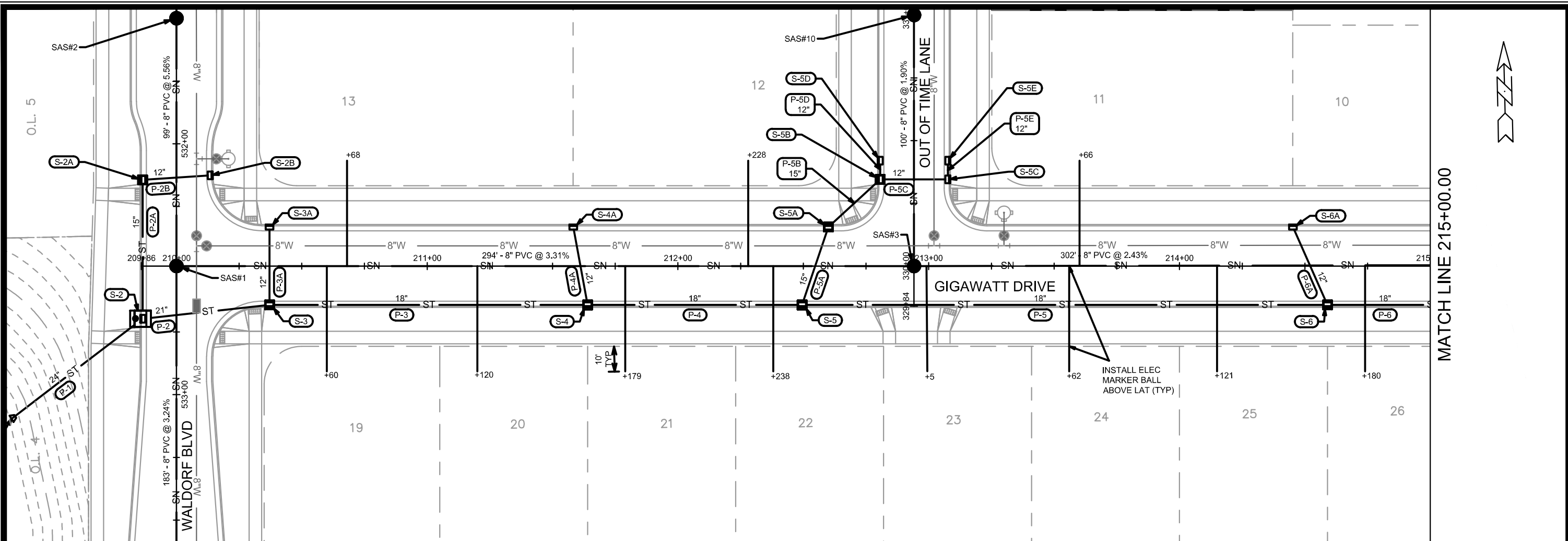
REVISION

MARK

DATE

BY

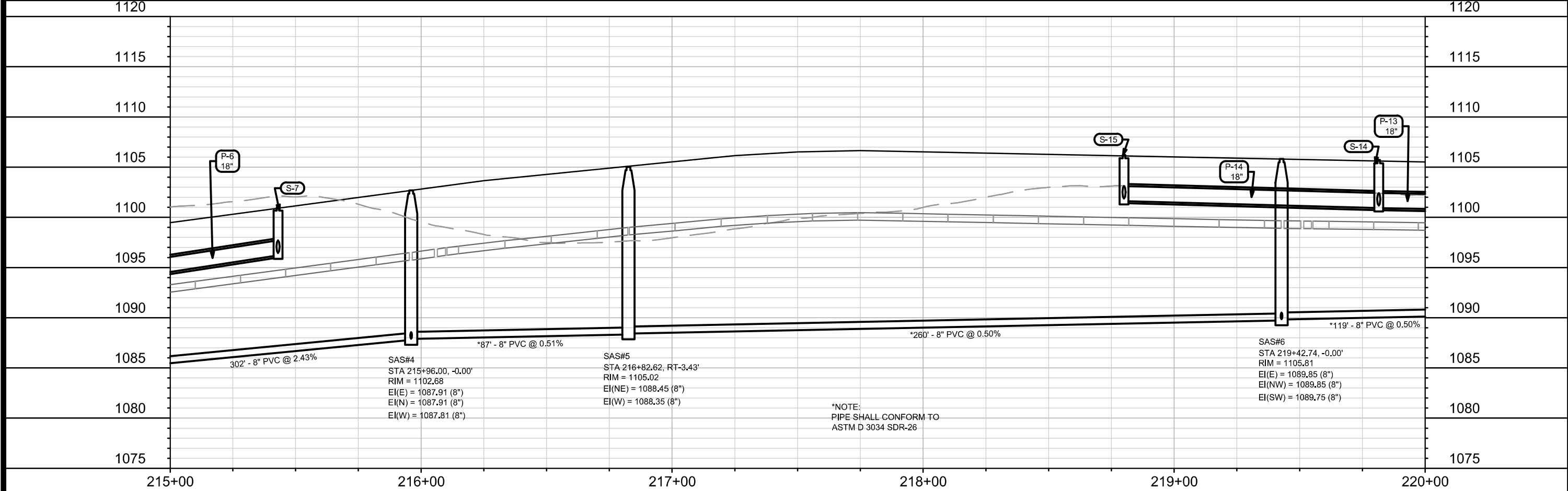
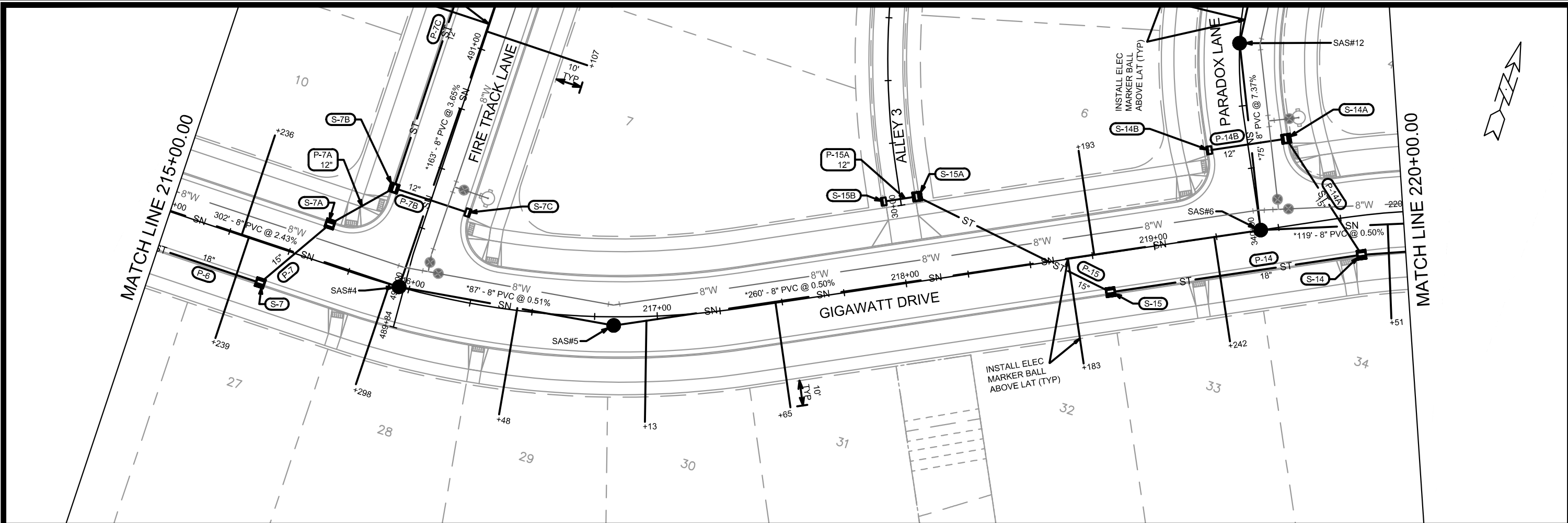
P-11



15668		MADISON, WI		CONTRACT NO: 9643	
UTILITIES PLAN & PROFILE - GIGAWATT DRIVE		HILL VALLEY - PHASE 1		U-1	
M:\DESIGN\Projects\15668\CAD\Sewers\15668SWR-PipeNetwork.dwg					
15668		U-1			

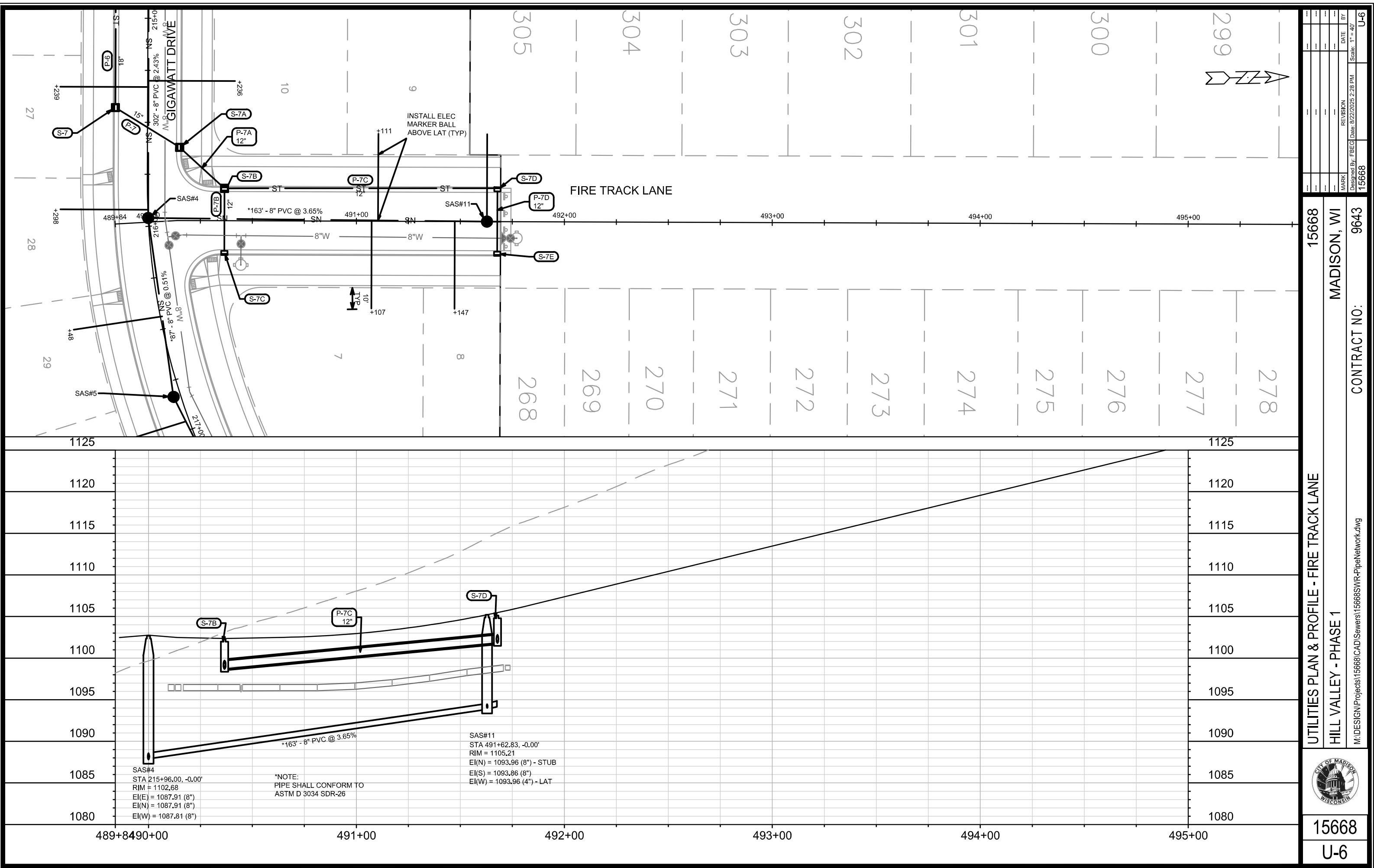
15668
MADISON, WI
CONTRACT NO: 9643
U-1

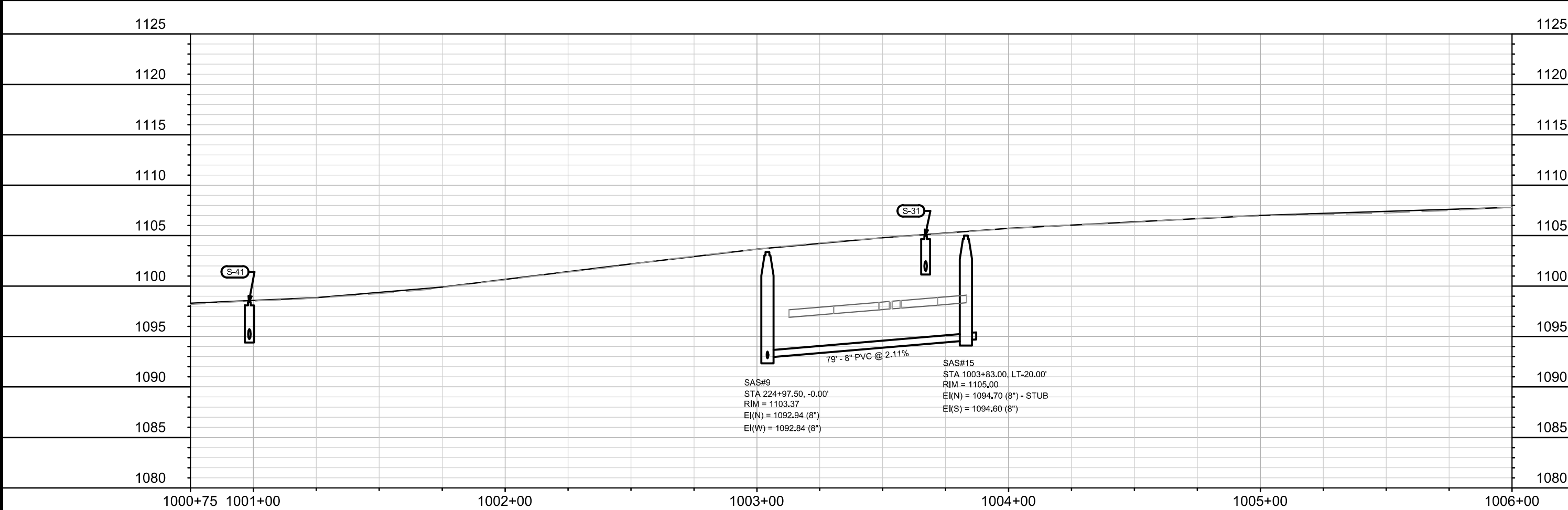
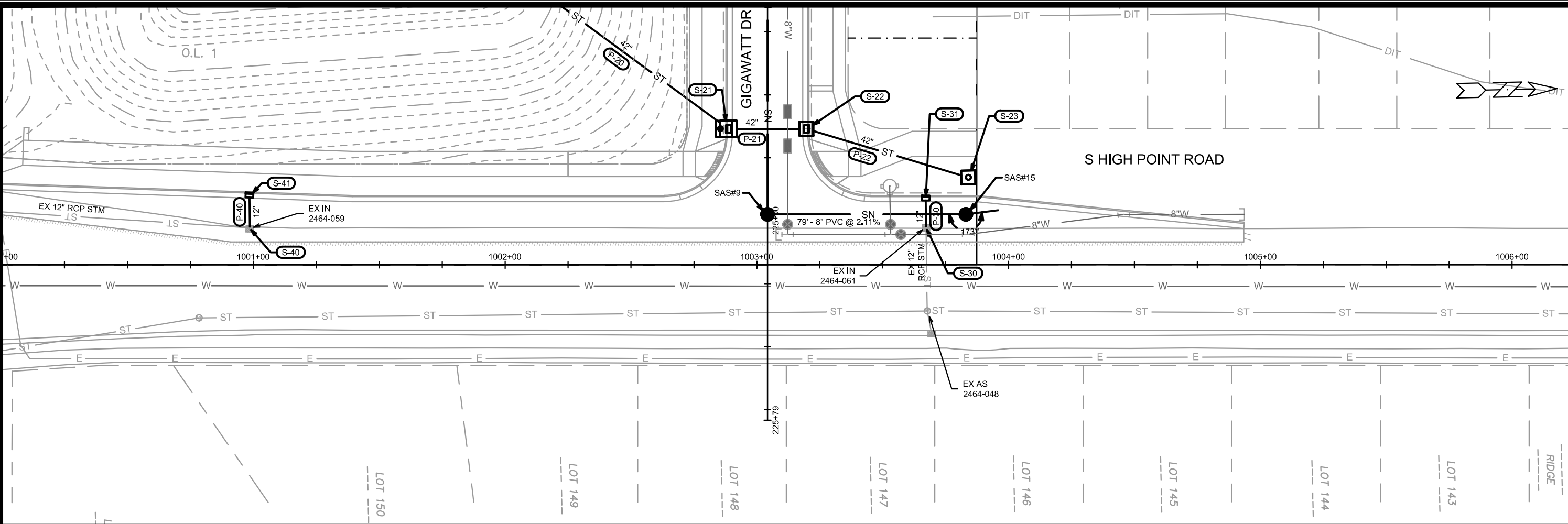
15668
MADISON, WI
CONTRACT NO: 9643
U-1



*NOTE:
PIPE SHALL CONFORM TO
ASTM D 3034 SDR-26

15668		MADISON, WI		CONTRACT NO: 9643	
UTILITIES PLAN & PROFILE - GIGAWATT DRIVE		HILL VALLEY - PHASE 1		U-2	
M:\DESIGN\Projects\15668\CAD\Sewers\15668SWR-PipeNetwork.dwg		15668		U-2	
DATE: 8/22/2025 2:17 PM		REVISION		BY	
Designated By: FBEG		MARK		DATE	
Scale: 1" = 40'		15668		U-2	





15668		MADISON, WI		9643	
U-9		CONTRACT NO:			
UTILITIES PLAN & PROFILE - S HIGH POINT ROAD					
HILL VALLEY - PHASE 1					
M:\DESIGN\Projects\15668\CAD\Sewers\15668SWR-PipeNetwork.dwg					
15668					
U-9					

SANITARY SEWER SCHEDULE

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
WALDORF BLVD						
SAS#1	532+48.72	CL	1082.69	1070.54	12.15	-
SAS#2	531+50.00	CL	1087.63	1076.13	11.50	-
GIGAWATT DRIVE						
SAS#3	212+94.16	CL	1092.40	1080.39	12.01	-
SAS#4	215+96.00	CL	1102.68	1087.81	14.87	-
SAS#5	216+82.62	RT-3.43	1105.02	1088.35	16.67	-
SAS#6	219+42.74	CL	1105.81	1089.75	16.06	-
SAS#7	220+62.70	LT-0.26	1105.21	1090.45	14.76	-
SAS#8	221+94.50	CL	1104.55	1091.22	13.33	-
SAS#9	224+97.50	CL	1103.37	1092.84	10.53	-
OUT OF TIME LANE						
SAS#10	331+00.00	CL	1093.54	1082.39	11.15	-
FIRE TRACK LANE						
SAS#11	491+62.83	CL	1105.21	1093.86	11.35	-
PARADOX LANE						
SAS#12	340+75.00	CL	1105.87	1095.37	10.50	-
SAS#13	341+29.00	CL	1107.77	1097.27	10.50	-
SPORTS ALMANAC ROAD						
SAS#14	440+80.82	CL	1104.90	1094.51	10.39	-
S HIGH POINT ROAD						
SAS#15	1003+83.00	LT-20.00	1105.00	1094.60	10.40	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
WALDORF BLVD								
EX SAS 2265-018	SAS#1	1064.60	1070.54	183	3.24%	8"	SDR-35	-
SAS#1	SAS#2	1070.64	1076.13	99	5.56%	8"	SDR-35	-
GIGAWATT DRIVE								
SAS#1	SAS#3	1070.64	1080.39	294	3.31%	8"	SDR-35	-
SAS#3	SAS#4	1080.49	1087.81	302	2.43%	8"	SDR-35	-
SAS#4	SAS#5	1087.91	1088.35	87	0.51%	8"	SDR-26	-
SAS#5	SAS#6	1088.45	1089.75	260	0.50%	8"	SDR-26	-
SAS#6	SAS#7	1089.85	1090.45	119	0.50%	8"	SDR-26	-
SAS#7	SAS#8	1090.55	1091.22	131	0.51%	8"	SDR-26	-
SAS#8	SAS#9	1091.32	1092.84	303	0.50%	8"	SDR-26	-
OUT OF TIME LANE								
SAS#3	SAS#10	1080.49	1082.39	100	1.90%	8"	SDR-35	-
FIRE TRACK LANE								
SAS#4	SAS#11	1087.91	1093.86	163	3.65%	8"	SDR-26	-
PARADOX LANE								
SAS#6	SAS#12	1089.85	1095.37	75	7.37%	8"	SDR-26	-
SAS#12	SAS#13	1095.47	1097.27	54	3.35%	8"	SDR-35	-
SPORTS ALMANAC ROAD								
SAS#8	SAS#14	1091.32	1094.51	81	3.93%	8"	SDR-26	-
S HIGH POINT ROAD								
SAS#9	SAS#15	1092.94	1094.60	79	2.11%	8"	SDR-35	-

NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

HILL VALLEY PHASE 1	SHEET NO.
PROJECT NO. 15668	U-STM1
STORM SEWER SCHEDULE 1	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
WALDORF BLVD							
S-1	533+09.65	RT-65.77	24" RCP APRON END	-	1072.50	-	W/ GATE; (1)
S-2	532+69.75	RT-13.50	6X6 SAS W/ 3FT SUMP	1081.78	1074.13	7.65	W/ R-3067-7004-V & W/ R-1550; (2)
S-2A	532+14.40	RT-13.50	3X3 SAS	1084.55	1080.35	4.20	W/ R-3067-7004-V
S-2B	532+12.60	LT-13.50	H INLET	1084.64	1081.24	3.40	W/ R-3067-7004-V
S-50	534+32.71	RT-23.52	4X4 SAS	1074.20	1069.04	5.16	W/ R-3067-7004-V; (3)
S-51	534+09.22	RT-53.36	4X4 SAS	1074.49	1069.84	4.65	W/ R-1550
S-52	533+95.53	RT-70.55	18" RCP APRON END	-	1073.00	-	W/ GATE
S-53	533+72.18	RT-70.21	12" RCP APRON END	-	1072.00	-	W/ GATE

GIGAWATT DRIVE

S-3	210+37.14	RT-15.50	3X3 SAS	1082.14	1076.94	5.20	LP; W/ R-3067-7004-VB
S-3A	210+37.14	LT-15.50	H INLET	1083.26	1079.66	3.60	LP; W/ R-3067-7004-VB
S-4	211+64.00	RT-15.50	3X3 SAS	1085.94	1080.74	5.20	W/ R-3067-7004-V
S-4A	211+58.25	LT-15.50	H INLET	1086.03	1082.43	3.60	W/ R-3067-7004-V
S-5	212+49.50	RT-15.50	3X3 SAS	1090.28	1085.08	5.20	W/ R-3067-7004-V
S-5A	212+60.00	LT-15.50	3X3 SAS	1090.82	1086.62	4.20	W/ R-3067-7004-V
S-6	214+59.00	RT-15.50	3X3 SAS	1098.20	1093.00	5.20	W/ R-3067-7004-V
S-6A	214+45.20	LT-15.50	H INLET	1097.74	1094.14	3.60	W/ R-3067-7004-V
S-7	215+43.00	RT-15.50	3X3 SAS	1101.01	1096.21	4.80	W/ R-3067-7004-V
S-7A	215+62.00	LT-15.50	3X3 SAS	1101.64	1097.44	4.20	W/ R-3067-7004-V

OUT OF TIME LANE

S-5B	330+34.50	LT-13.50	3X3 SAS	1091.81	1087.61	4.20	LP; W/ R-3067-7004-VB
S-5C	330+34.50	RT-13.50	H INLET	1093.01	1089.41	3.60	LP; W/ R-3067-7004-VB
S-5D	330+42.00	LT-13.50	H INLET	1091.88	1088.48	3.40	W/ R-3067-7004-V
S-5E	330+42.00	RT-13.50	H INLET	1093.08	1089.68	3.40	W/ R-3067-7004-V

FIRE TRACK LANE

S-7B	490+36.59	LT-15.50	3X3 SAS	1102.31	1098.71	3.60	LP; W/ R-3067-7004-VB
S-7C	490+36.59	RT-15.50	H INLET	1103.15	1099.55	3.60	LP; W/ R-3067-7004-VB
S-7D	491+67.83	LT-15.50	H INLET	1105.60	1101.80	3.80	W/ R-3067-7004-V
S-7E	491+67.83	RT-15.50	H INLET	1105.78	1102.38	3.40	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
WALDORF BLVD										
P-1	S-1	S-2	1072.50	1074.13	66	62	2.63%	24"	TYPE II	-
P-2	S-2	S-3	1074.38	1076.94	51	47	5.45%	21"	TYPE I	-
P-2A	S-2	S-2A	1074.88	1080.35	56	51	10.73%	15"	TYPE II	-
P-2B	S-2A	S-2B	1080.60	1081.24	27	25	2.56%	12"	TYPE I	-
P-50	S-50	S-51	1069.50	1069.84	38	34	1.00%	21"	TYPE II	-
P-51	S-51	S-52	1072.78	1073.00	22	20	1.10%	18"	TYPE II	-
P-52	S-51	S-53	1071.80	1072.00	41	39	0.51%	12"	TYPE II	-

GIGAWATT DRIVE

P-3	S-3	S-4	1077.19	1080.74	127	124	2.86%	18"	TYPE II	-
P-3A	S-3	S-3A	1077.69	1079.66	31	29	6.79%	12"	TYPE I	-
P-4	S-4	S-5	1080.74	1085.08	86	83	5.23%	18"	TYPE I	-
P-4A	S-4	S-4A	1081.24	1082.43	32	29	4.10%	12"	TYPE I	-
P-5	S-5	S-6	1085.08	1093.00	210	207	3.83%	18"	TYPE II	-
P-5A	S-5	S-5A	1085.33	1086.62	33	30	4.30%	15"	TYPE I	-
P-6	S-6	S-7	1093.00	1096.21	84	81	3.96%	18"	TYPE II	-
P-6A	S-6	S-6A	1093.50	1094.14	34	34	1.88%	12"	TYPE I	-
P-7	S-7	S-7A	1096.46	1097.44	36	33	2.97%	15"	TYPE I	-

OUT OF TIME LANE

P-5B	S-5A	S-5B	1086.62	1087.61	28	24	4.13%	15"	TYPE II	-
P-5C	S-5B	S-5C	1087.86	1089.41	27	25	6.20%	12"	TYPE I	-
P-5D	S-5B	S-5D	1087.86	1088.48	8	5	12.40%	12"	TYPE II	-
P-5E	S-5C	S-5E	1089.41	1089.68	8	5	5.40%	12"	TYPE II	-

FIRE TRACK LANE

P-7A	S-7A	S-7B	1097.69	1098.71	29	25	4.08%	12"	TYPE II	-
P-7B	S-7B	S-7C	1098.71	1099.55	31	29	2.90%	12"	TYPE I	-
P-7C	S-7B	S-7D	1098.71	1101.80	131	128	2.41%	12"	TYPE II	-
P-7D	S-7D	S-7E	1101.80	1102.38	31	29	2.00%	12"	TYPE I	-

SPECIFIC NOTES:

- (1) WITH HEAVY RIPRAP AND TYPE HR GEOTEXTILE FABRIC; PER S.D.D. 5.4.4
- (2) PER S.D.D. 5.7.4
- (3) CONNECT EX 21" TO SOUTH

STANDARD NOTES:

- 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.
- 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.
- 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 FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- 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 ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.
- FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
GIGAWATT DRIVE							
S-10	222+81.07	RT-97.34	24" RCP APRON END	-	1089.00	-	W/ GATE
S-11	222+37.80	RT-15.50	6X6 SAS W/ 6FT SUMP	1104.44	1095.44	9.00	W/ R-3067-7004-V & W/ R-1550; (2)
S-12	220+92.30	RT-15.50	3X3 SAS	1105.17	1100.37	4.80	W/ R-3067-7004-V
S-13	220+16.75	RT-15.50	3X3 SAS	1105.55	1100.75	4.80	W/ R-3067-7004-V
S-14	219+81.50	RT-15.50	3X3 SAS	1105.72	1100.92	4.80	W/ R-3067-7004-V
S-15	218+80.00	RT-15.50	3X3 SAS	1106.22	1101.62	4.60	W/ R-3067-7004-V
S-20	224+01.64	RT-99.80	42" RCP APRON END	-	1088.25	-	W/ GATE
S-21	224+63.50	RT-15.50	6X6 SAS W/ 6FT SUMP	1103.19	1095.19	8.00	LP; W/ R-3067-7004-VB & W/ R-1550; (2)
S-22	224+63.50	LT-15.50	5X5 SAS	1103.19	1096.19	7.00	LP; W/ R-3067-7004-VB

SPORTS ALMANAC ROAD

S-11A	440+34.68	RT-15.50	3X3 SAS	1104.27	1099.47	4.80	LP; W/ R-3067-7004-VB
S-11B	440+85.92	RT-15.50	3X3 SAS	1105.16	1100.25	4.91	W/ R-3067-7004-V; (3)
S-11C	440+34.68	LT-15.50	H INLET	1104.27	1100.67	3.60	LP; W/ R-3067-7004-VB
S-11D	440+86.14	LT-15.50	H INLET	1105.20	1101.40	3.80	W/ R-3067-7004-V

ALLEY 1

S-11E	10+02.50	LT-6.75	3X3 SAS	1104.26	1100.06	4.20	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-11F	10+02.50	RT-6.75	H INLET	1104.02	1100.62	3.40	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-11G	10+55.46	LT-6.75	H INLET	1105.41	1101.81	3.60	W/ R-3362-L; PER SDD 5.7.33; (1)

ALLEY 2

S-12A	20+08.73	RT-6.75	3X3 SAS	1105.38	1101.18	4.20	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-12B	20+08.73	LT-6.75	H INLET	1105.62	1101.82	3.80	LP; W/ R-3362-L; PER SDD 5.7.33; (1)

PARADOX LANE

S-14A	340+34.50	RT-15.50	3X3 SAS	1105.53	1101.48	4.05	LP; W/ R-3067-7004-VB
S-14B	340+34.50	LT-15.50	H INLET	1105.53	1102.13	3.40	LP; W/ R-3067-7004-VB

ALLEY 3

S-15A	30+02.50	RT-6.75	3X3 SAS	1106.78	1102.58	4.20	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-15B	30+02.50	LT-6.75	H INLET	1107.02	1103.42	3.60	LP; W/ R-3362-L; PER SDD 5.7.33; (1)

S HIGH POINT ROAD

S-23	1003+84.00	LT-34.70	5X5 SAS	1105.58	1098.58	7.00	W/ R-1550; (4)
S-30	1003+67.24	LT-14.48	CONCRETE COLLAR	-	1101.31	-	REMOVE EX IN 2464-061
S-31	1003+67.08	LT-26.50	H INLET	1104.98	1101.49	3.49	W/ R-3067-7004-V
S-40	1000+98.63	LT-14.34	CONCRETE COLLAR	-	1094.68	-	REMOVE EX IN 2464-059
S-41	1000+98.45	LT-27.70	H INLET	1098.42	1094.74	3.68	W/ R-3067-7004-V

SPECIFIC NOTES:

- (1) STA / OFF TO CENTER OF STRUCTURE; TC IS EDGE OF PAVEMENT
- (2) PER S.D.D. 5.7.4
- (3) BOX OUT TO NORTH FOR FUTURE 18" PIPE
- (4) BOX OUT TO NORTH FOR FUTURE 36" PIPE

STANDARD NOTES:

- 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.
- 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.
- 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.

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
GIGAWATT DRIVE										
P-10	S-10	S-11	1089.00	1095.44	93	89	7.24%	24"	TYPE II	-
P-11	S-11	S-12	1095.94	1100.37	144	140	3.16%	18"	TYPE II	-
P-12	S-12	S-13	1100.37	1100.75	72	69	0.55%	18"	TYPE II	-
P-13	S-13	S-14	1100.75	1100.92	34	31	0.55%	18"	TYPE II	-
P-14	S-14	S-15	1100.92	1101.62	101	98	0.71%	18"	TYPE II	-

P-20	S-20	S-21	1088.25	1095.19	105	102	6.80%	42"	TYPE I	-
P-21	S-21	S-22	1095.19	1096.19	31	26	3.85%	42"	TYPE I	-

SPORTS ALMANAC ROAD

P-11A	S-11	S-11A	1095.94	1099.47	58	53	6.66%	18"	TYPE I	-
P-11B	S-11A	S-11B	1099.47	1100.25	51	48	1.62%	18"	TYPE II	-
P-11C	S-11A	S-11C	1099.97	1100.67	31	29	2.41%	12"	TYPE I	-
P-11D	S-11B	S-11D	1100.25	1101.40	31	29	3.97%	12"	TYPE I	-

ALLEY 1

P-11E	S-11	S-11E	1096.19	1100.06	102	98	3.95%	15"	TYPE I	-
P-11F	S-11E	S-11F	1100.31	1100.62	13	12	2.58%	12"	TYPE I	-
P-11G	S-11E	S-11G	1100.31	1101.81	53	50	3.00%	12"	TYPE II	-

ALLEY 2

P-12A	S-12	S-12A	1100.62	1101.18	55	52	1.08%	15"	TYPE I	-
P-12B	S-12A	S-12B	1101.43	1101.82	14	12	3.25%	12"	TYPE I	-

PARADOX LANE

P-14A	S-14	S-14A	1101.17	1101.48	55	52	0.60%	15"	TYPE I	-
P-14B	S-14A	S-14B	1101.73	1102.13	31	29	1.38%	12"	TYPE I	-

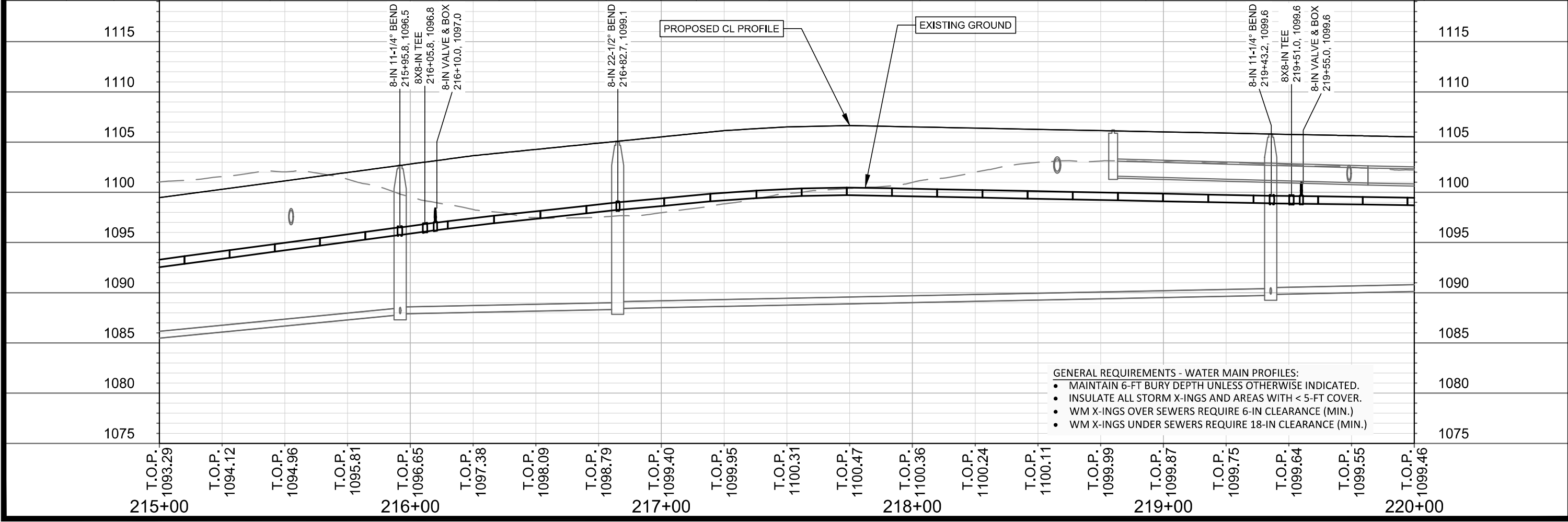
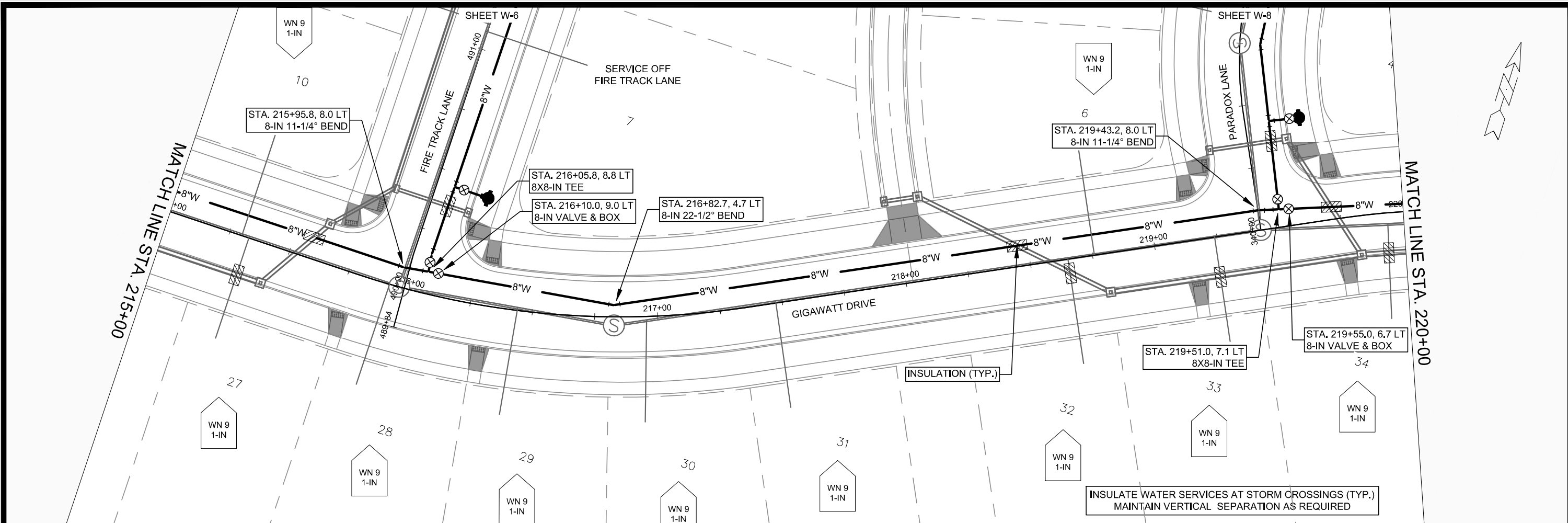
ALLEY 3

P-15	S-15	S-15A	1101.87	1102.58	86	83	0.86%	15"	TYPE I	-
P-15A	S-15A	S-15B	1102.83	1103.42	14	12	4.92%	12"	TYPE I	-

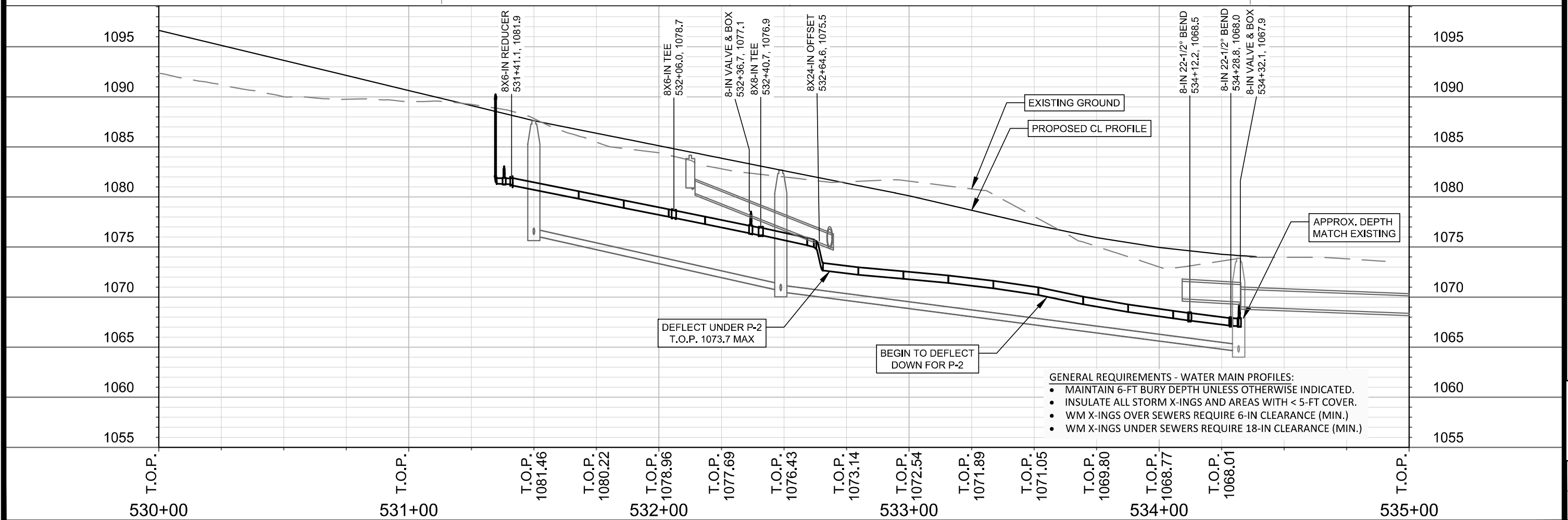
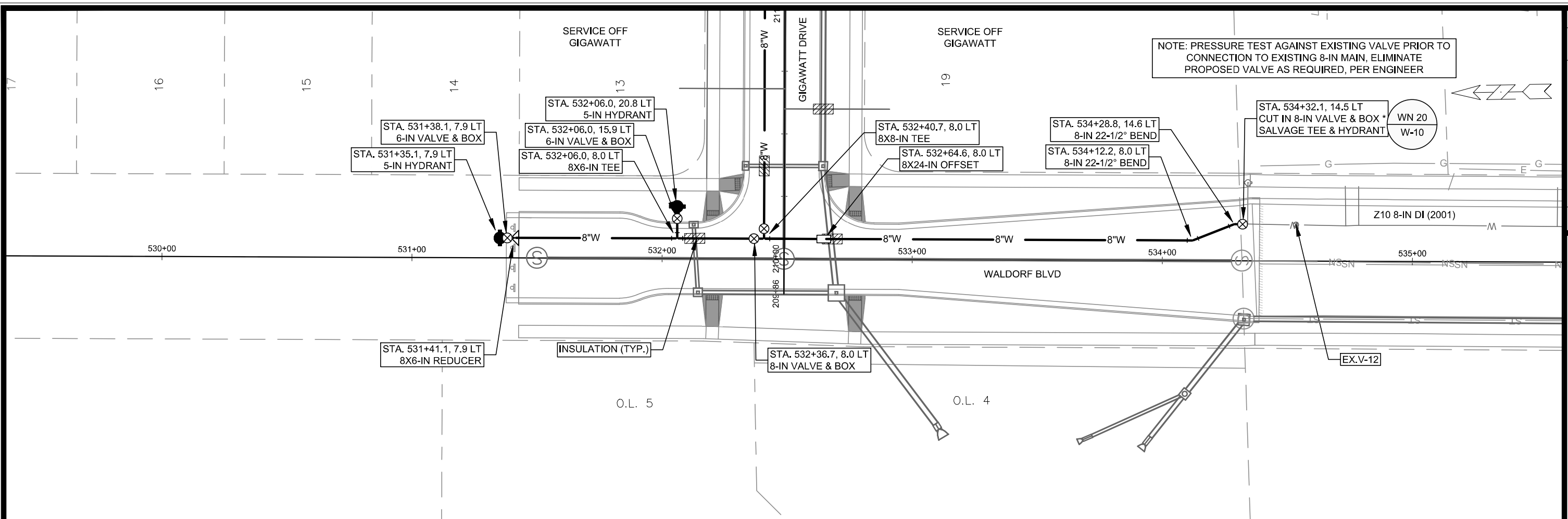
S HIGH POINT ROAD

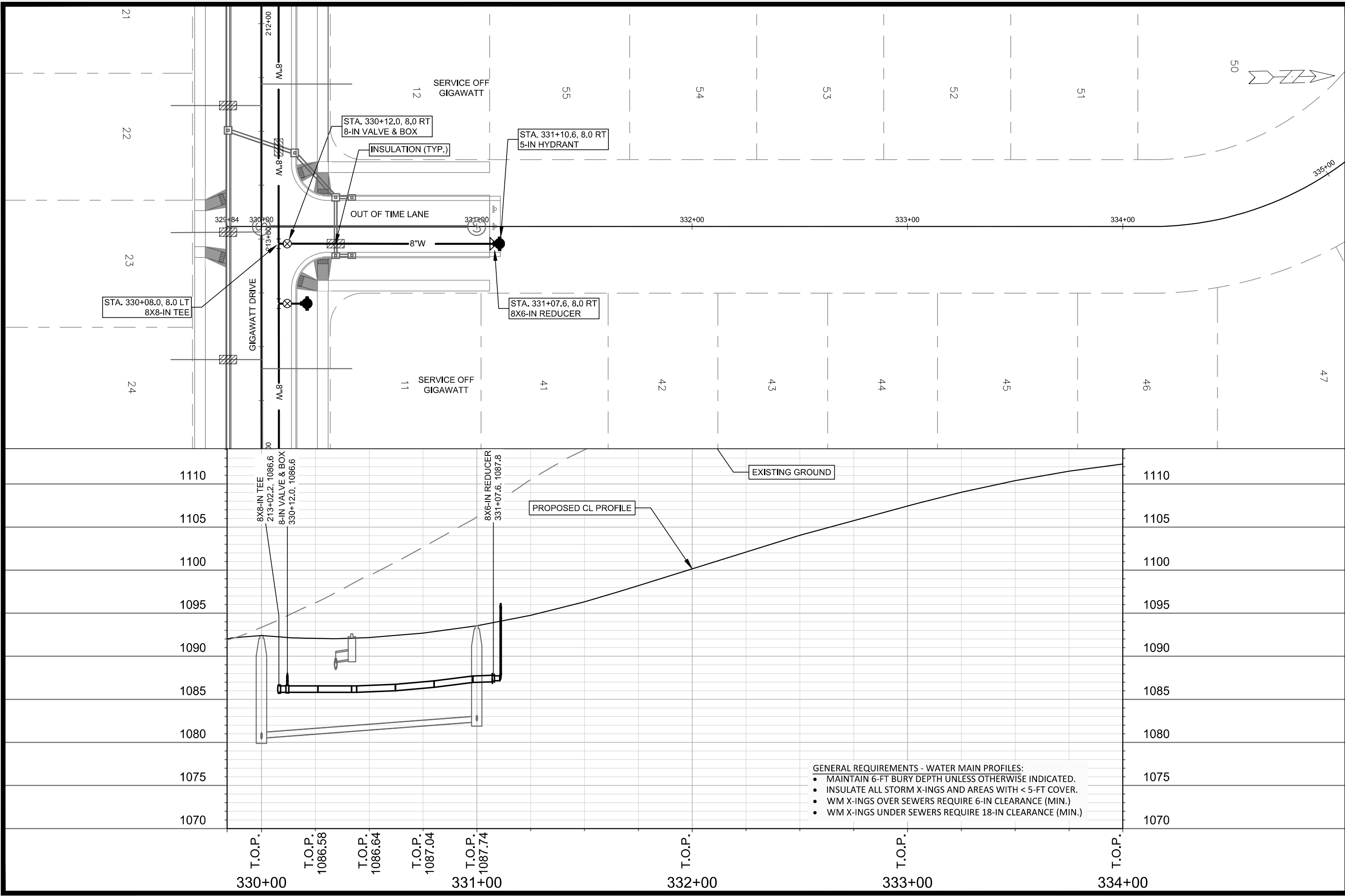
P-22	S-22	S-23	1096.19	1098.58	67	62	3.85%	42"	TYPE I	-
P-30	S-30	S-31	1101.31	1101.49	12	11	1.67%	12"	TYPE I	-
P-40	S-40	S-41	1094.68	1094.74	13	12	0.50%	12"	TYPE I	-

- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- 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 ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.
- FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

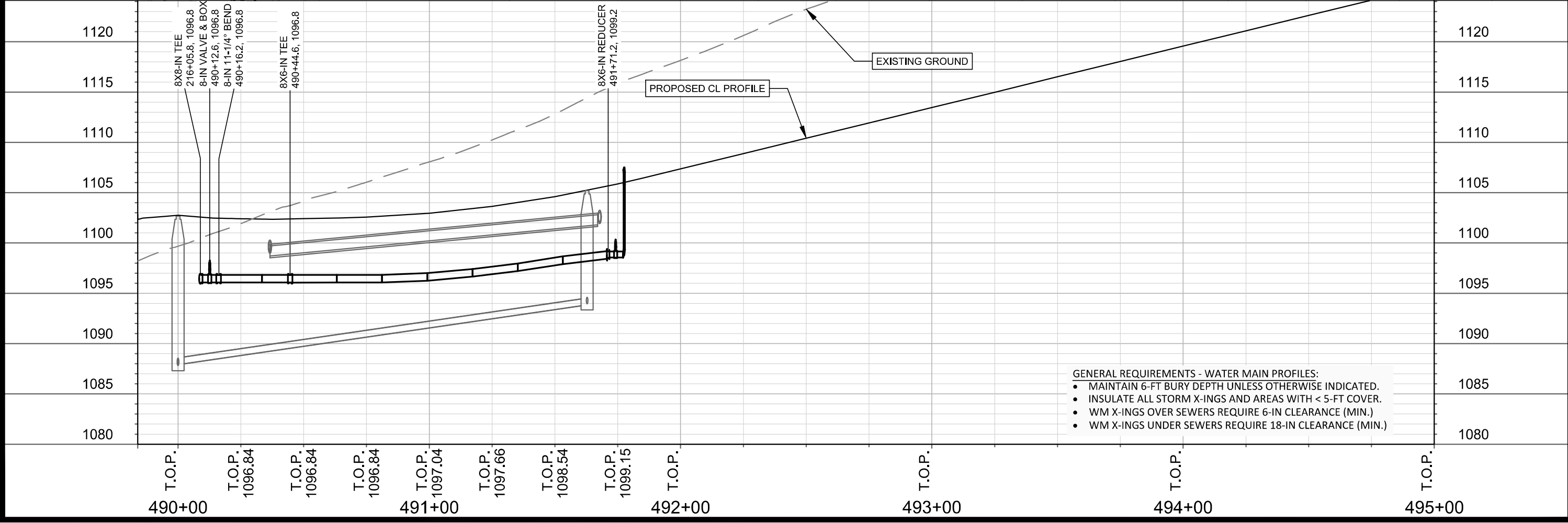
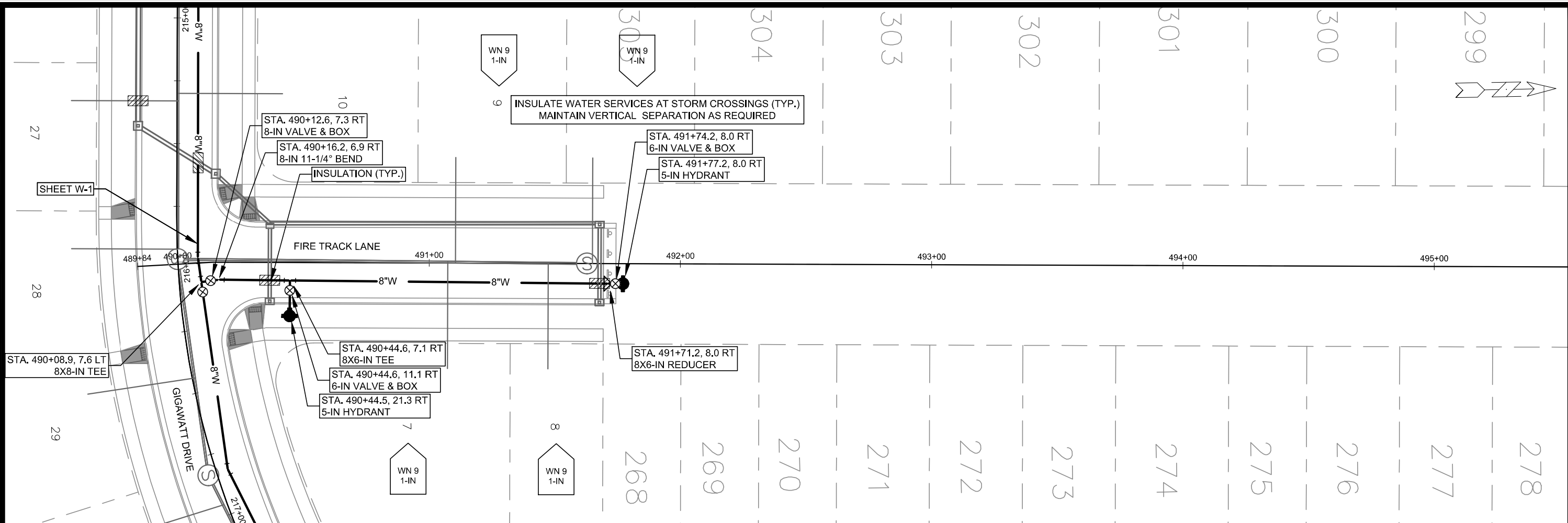


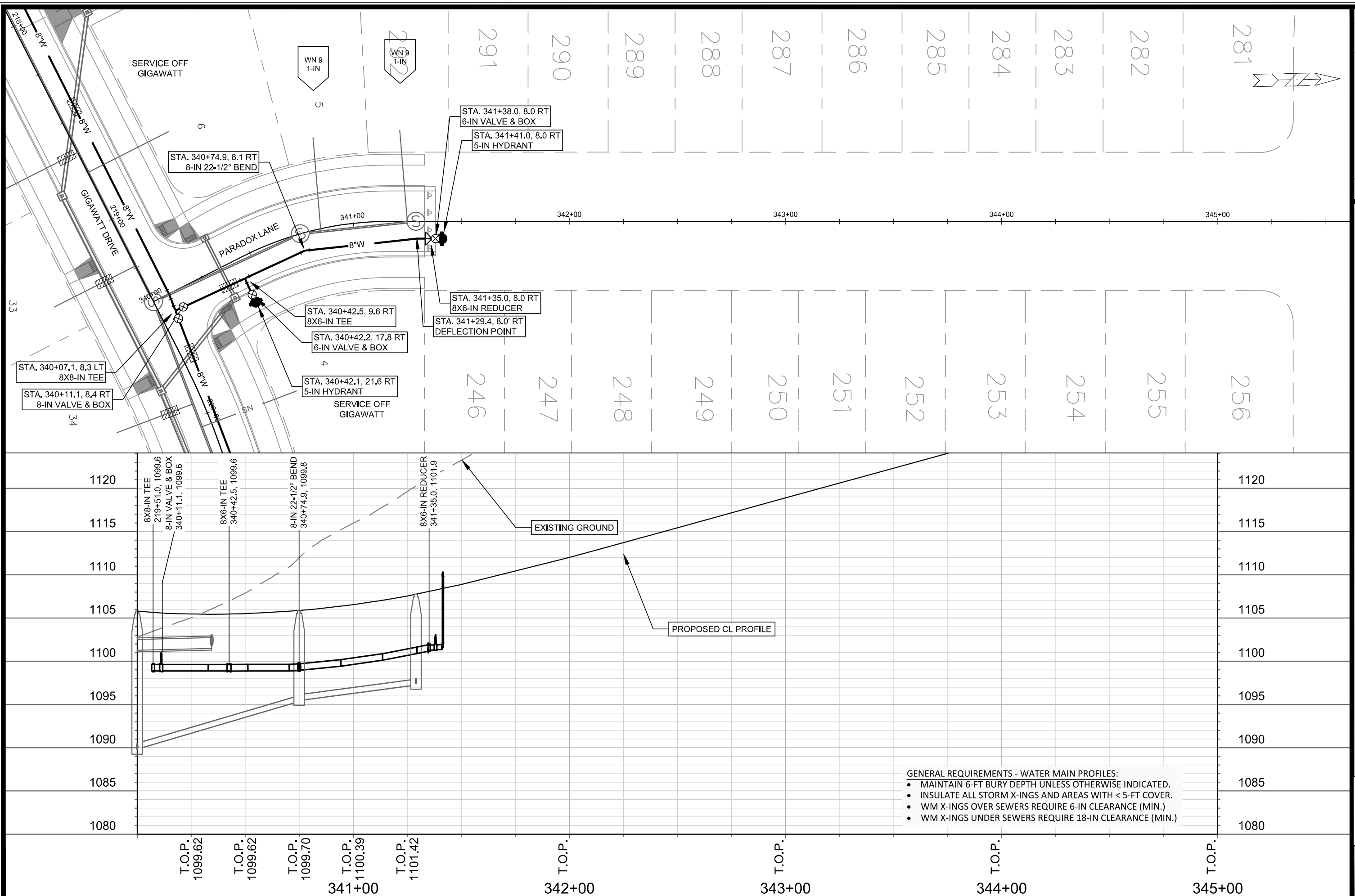
15668		MADISON, WI		CONTRACT NO: 9643	
WATER PLAN & PROFILE - GIGAWATT DRIVE		HILL VALLEY - PHASE 1		15668	
W-2		W-2		W-2	
M:\DESIGN\Projects\15668\CAD\Water\15668WU-Water.dwg		Designed By: FBEG Date: 8/25/2025 7:53 AM		Scale: #####	
MARK		REVISION		BY	
DATE		DATE		DATE	
15668		15668		15668	





15668		MADISON, WI		9643		W-5	
WATER PLAN & PROFILE - OUT OF TIME LANE		HILL VALLEY - PHASE 1		CONTRACT NO:		15668	
CITY OF MADISON WISCONSIN		M:\DESIGN\Projects\15668\CAD\Water\15668WU-Water.dwg		Designed By: FBEG		Date: 8/25/2025 7:54 AM	
MARK		REVISION		DATE		BY	





MARK	REVISION	DATE	BY
0000		0000	0000
0000		0000	0000
0000		0000	0000
0000		0000	0000
0000		0000	0000

Designed By: FBEG Date: 8/25/2025 7:55 AM Scale: ##### W-8
15668

WATER PLAN & PROFILE - PARADOX LANE	15668
HILL VALLEY - PHASE 1	MADISON, WI
M:\DESIGN\Projects\15668\CAD\Water\15668WU-Water.dwg	
CONTRACT NO:	9643



15668
W-8



WN20 W-# CONNECT TO EX 8-IN
ISOLATION VALVES: V-12 (8-IN 2001)
NOTIFY: NONE REQUIRED

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

[illegible]

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM CROSSINGS AND 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 CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

- WN-1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN-5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN-8 ABANDON THE VALVE BOX.
- WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN-10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

WATER UTILITY ULO SCHEDULE

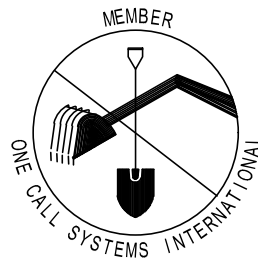
ULO	UTILITY	STATION	OFFSET	SHEET
-----	---------	---------	--------	-------

*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:			
PAY ITEM ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	120	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	2420	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	10	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	11	EACH
70040	FURNISH AND INSTALL AND SALVAGE HYDRANT	11	EACH
70050	FURNISH AND INSTALL 1-INCH SERVICE LATERALS	33	EACH
70101	FURNISH AND INSTALL STYROFOAM	20	EACH
71002	8-IN MJ CAP	1	EACH
71014	8-IN MJ PLUG	1	EACH
71135	8-IN 22-1/2° BEND	5	EACH
71147	8-IN 11-1/4° BEND	5	EACH
71159	8X6-IN REDUCER	5	EACH
71210	8X6-IN TEE	6	EACH
71211	8X8-IN TEE	6	EACH
71342	8X24-IN OFFSET	3	EACH
*ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:			
	N/A		
*ESTIMATE OF MATERIALS SALVAGED:			
	8-IN MJ PLUG	1	EACH
	8X6-IN TEE	1	EACH
	HYDRANT	1	EACH
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.			

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

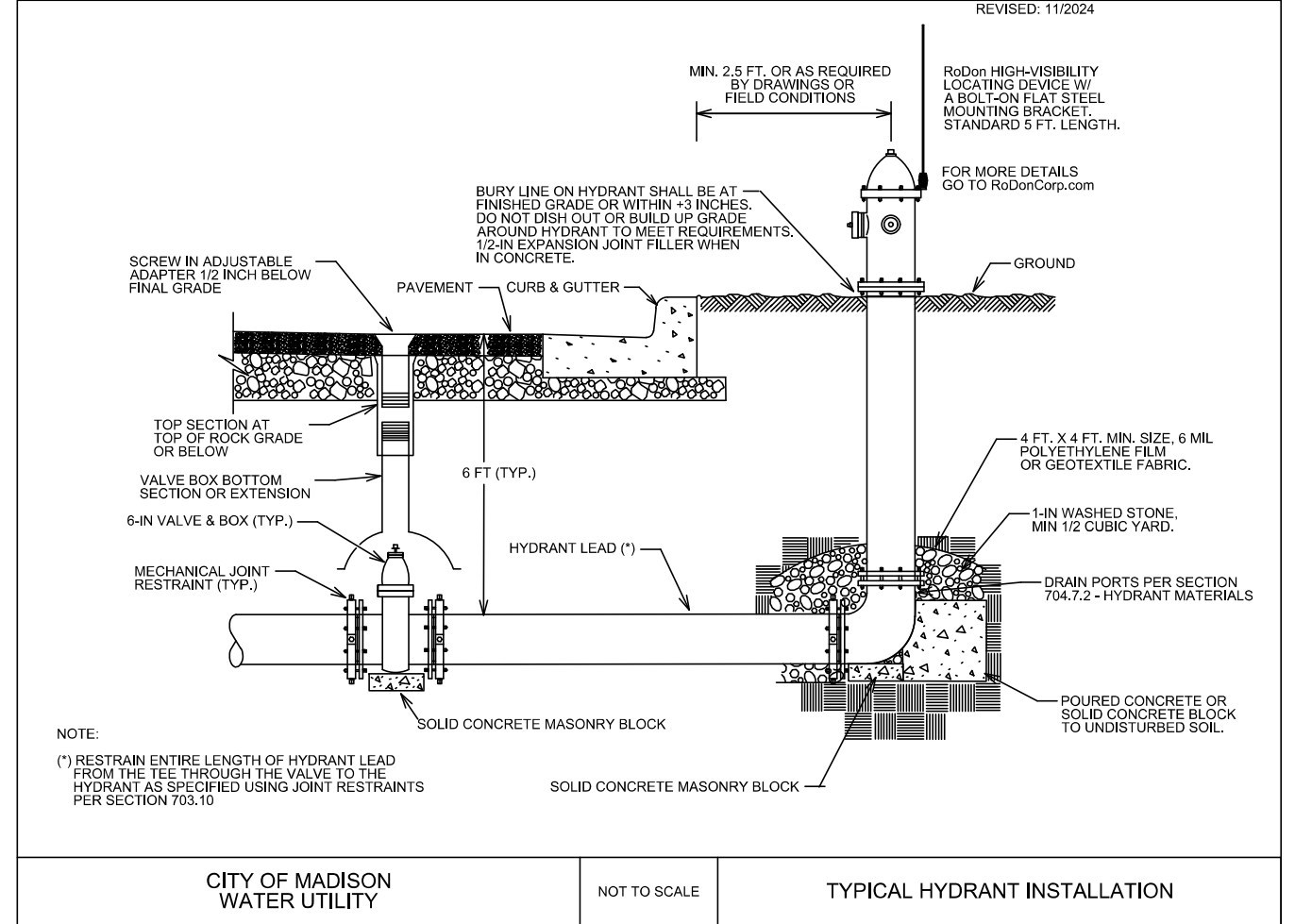
CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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



PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04
REVISED: 11/2024



CITY OF MADISON
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

City of Madison Standard Specifications for Public Works Construction

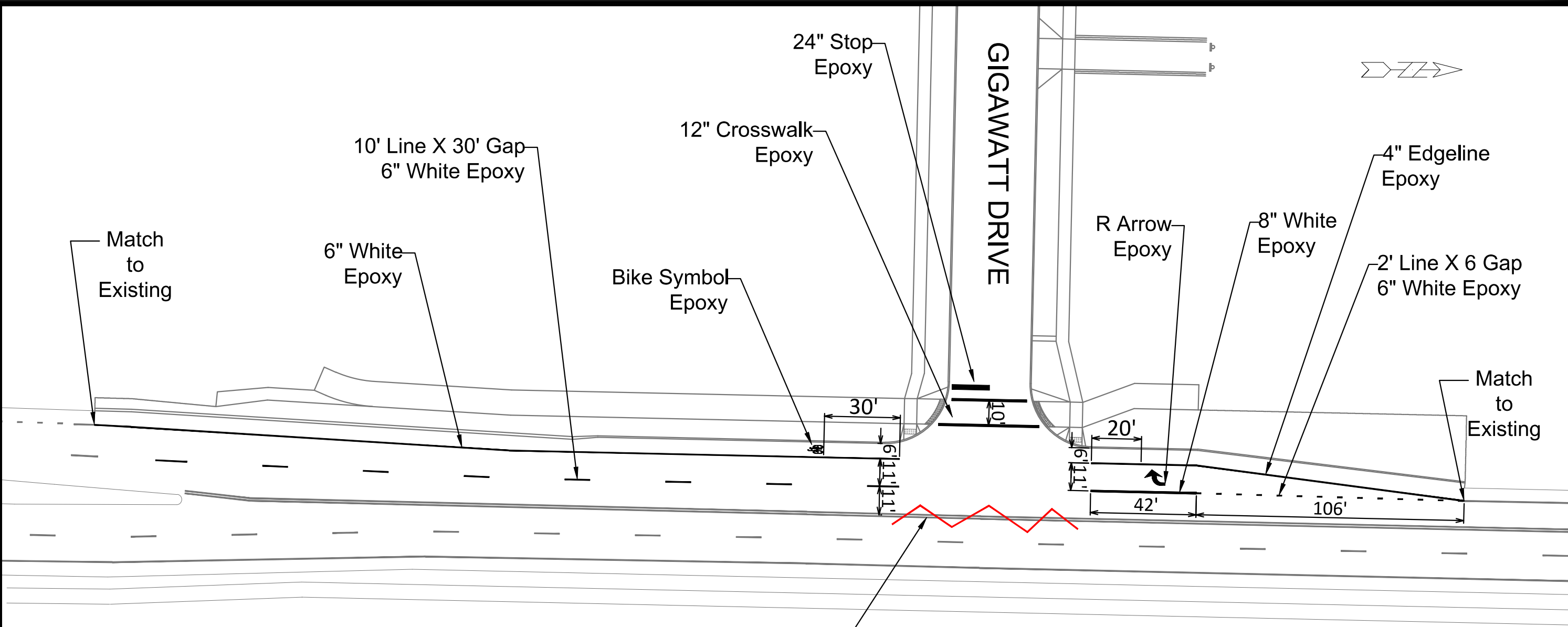
MARK	REVISION	DATE	BY
15668	15668	8/25/2025 7:55 AM	W-11

15668
MADISON, WI
9643
CONTRACT NO:

ESTIMATE OF WATER MATERIALS
HILL VALLEY - PHASE 1
M:\DESIGN\Projects\15668\CAD\Water\15668WU-Materials.dwg



15668
W-11



Match
to
Existing

6" White
Epoxy

10' Line X 30' Gap
6" White Epoxy

Bike Symbol
Epoxy

12" Crosswalk
Epoxy

24" Stop
Epoxy

GIGAWATT DRIVE

R Arrow
Epoxy

8" White
Epoxy

4" Edgeline
Epoxy

2' Line X 6 Gap
6" White Epoxy

Match
to
Existing

Remove Existing
4" Double Yellow
in Intersection

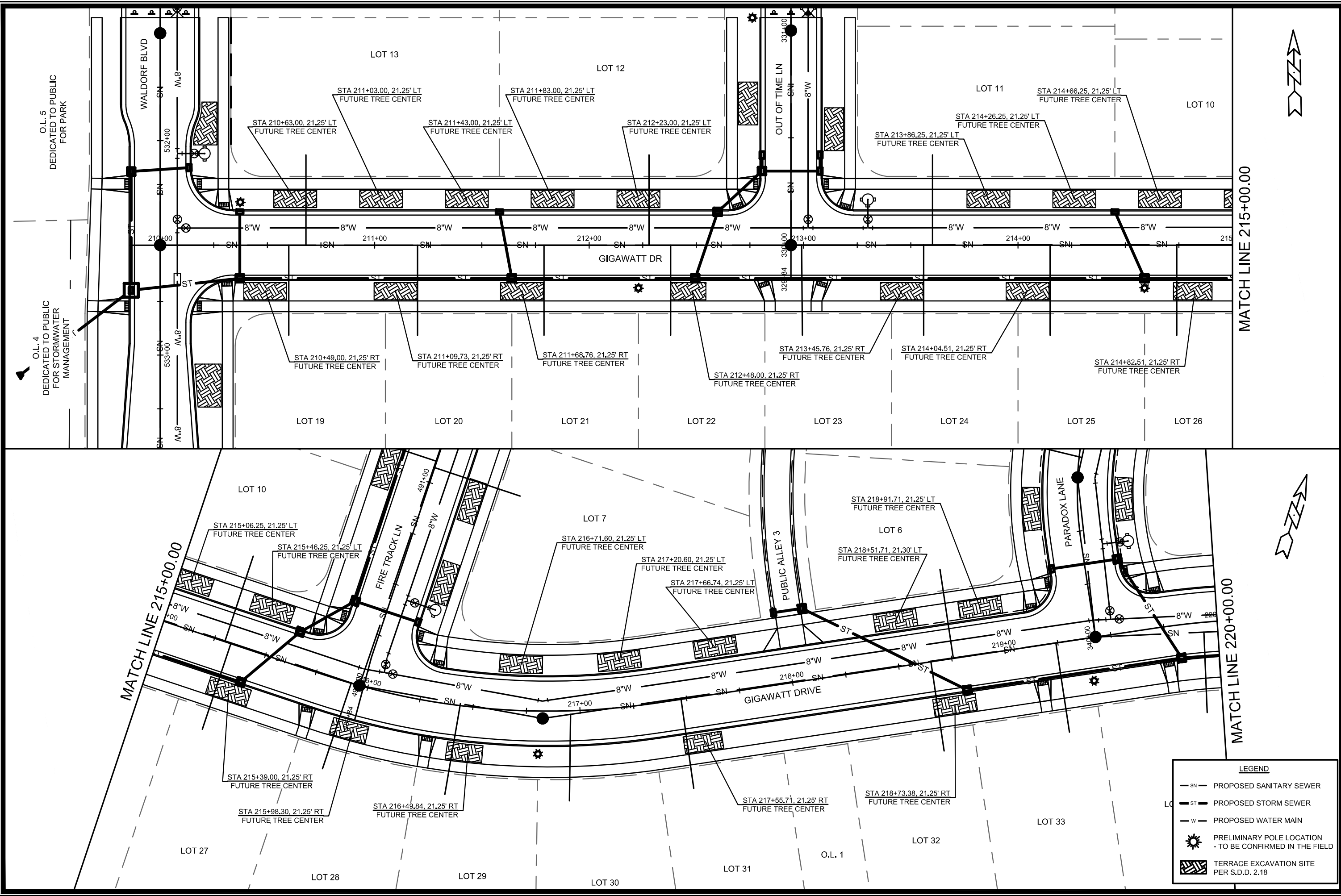
S. HIGH POINT ROAD

DATE	BY
7/29/2025	15668
REVISION	DATE
15668	15668
MARK	DATE
15668	15668
DESIGNED BY: SDM	DATE: 7/29/2025 1:28 PM
15668	15668

15668	15668
MADISON, WI	9643
CONTRACT NO:	15668
PAVEMENT MARKING PLAN	15668
HILL VALLEY- PHASE 1	15668
M:\DESIGN\Projects\15668\CAD\Traffic\15668 TE-PavementMarking.dwg	15668



15668
PM-1

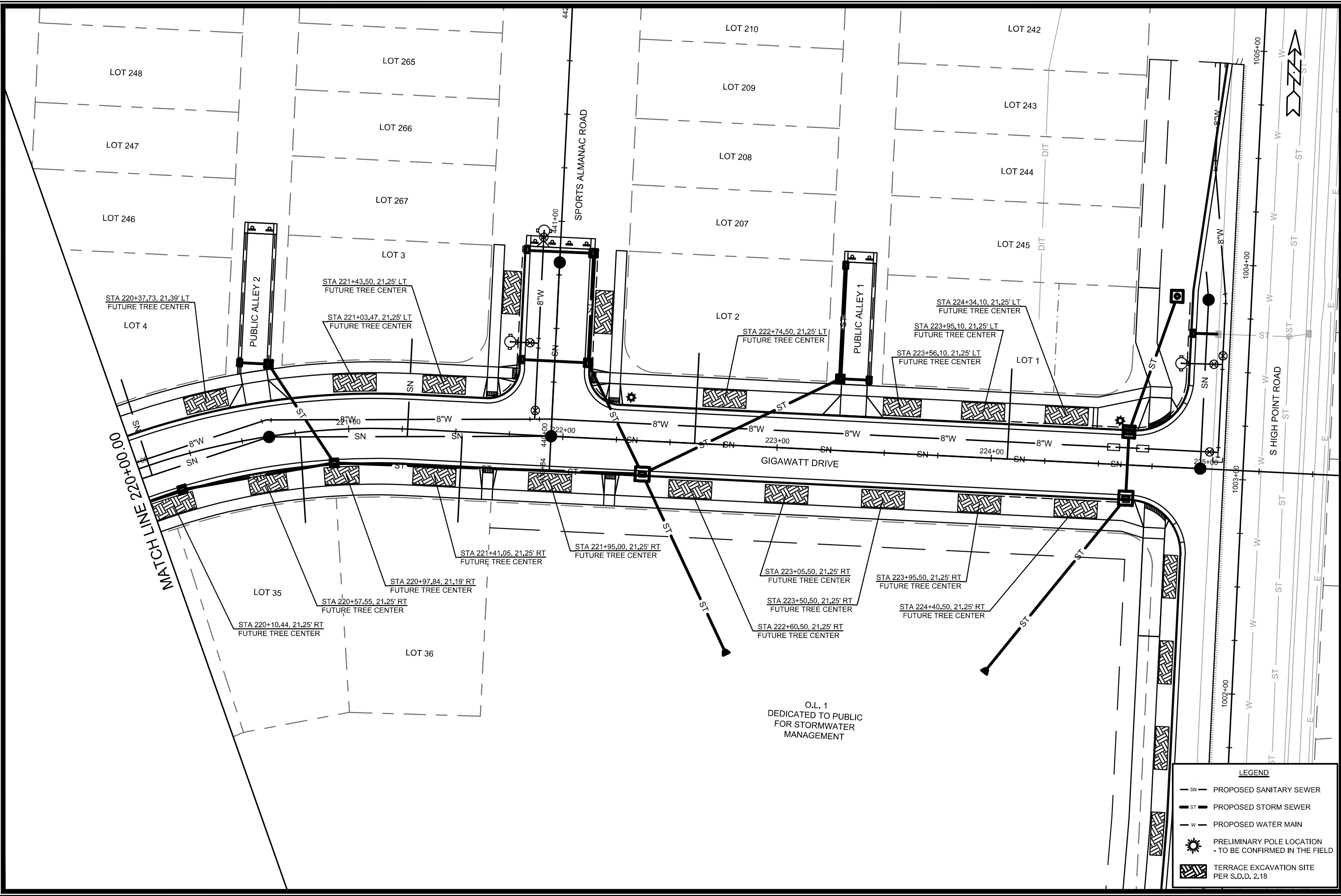


LEGEND

- SN — PROPOSED SANITARY SEWER
- ST — PROPOSED STORM SEWER
- W — PROPOSED WATER MAIN
- ☼ PRELIMINARY POLE LOCATION
- TO BE CONFIRMED IN THE FIELD
- ▨ TERRACE EXCAVATION SITE
PER S.D.D. 2.18

15668				15668			
MADISON, WI				MADISON, WI			
HILL VALLEY - PHASE 1				HILL VALLEY - PHASE 1			
CONTRACT NO: 9643				CONTRACT NO: 9643			
M:\DESIGN\Projects\15668\CAD\Streets\15668EN-LandscapingPlan.dwg				M:\DESIGN\Projects\15668\CAD\Streets\15668EN-LandscapingPlan.dwg			
15668				15668			
L-1				L-1			

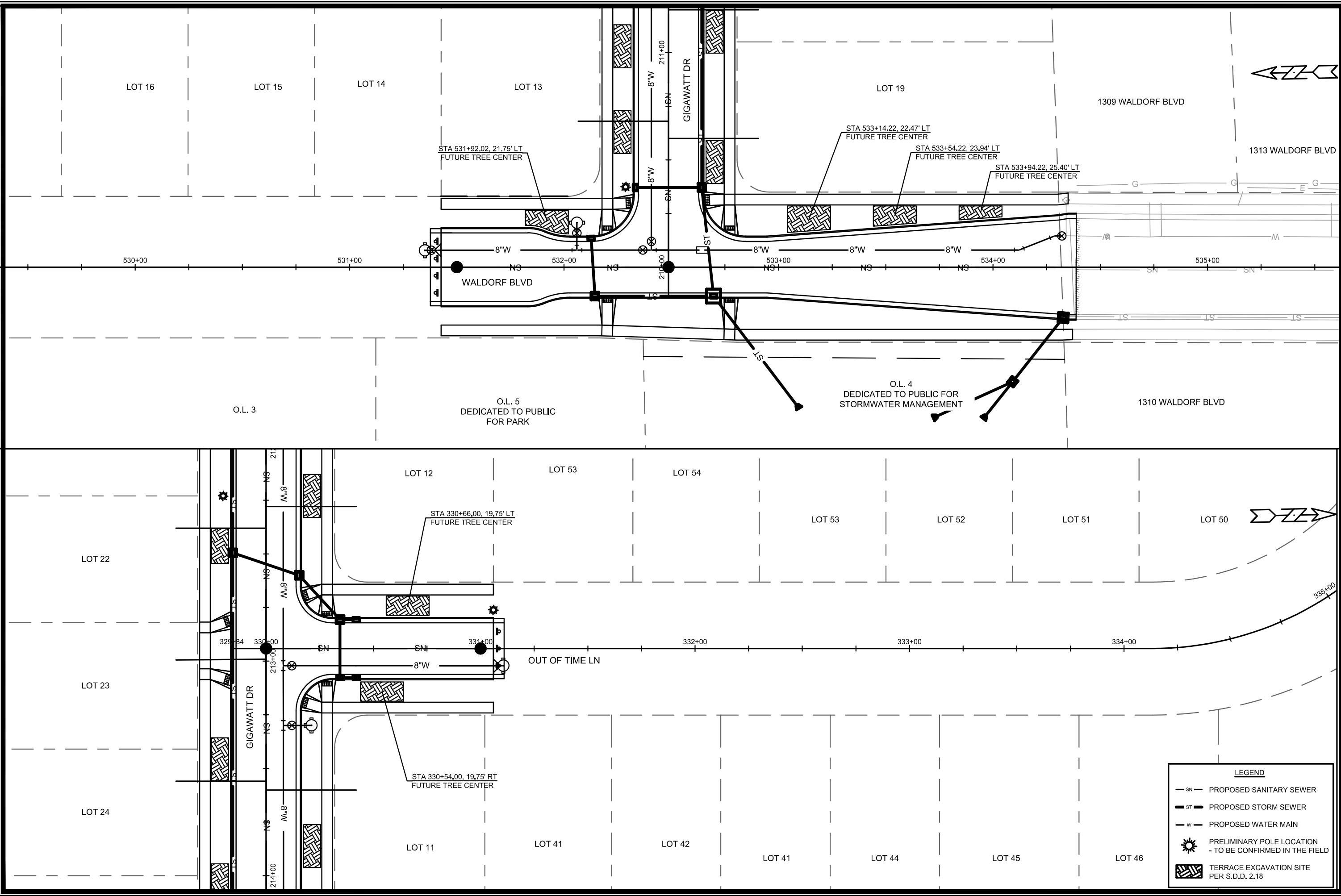
DESIGNED BY: FBEG Date: 8/25/2025 10:16 AM
REVISION
DATE
BY
Scale: 1" = 40'



LEGEND

- SN — PROPOSED SANITARY SEWER
- ST — PROPOSED STORM SEWER
- W — PROPOSED WATER MAIN
- ☼ PRELIMINARY POLE LOCATION
- TO BE CONFIRMED IN THE FIELD
- ▨ TERRACE EXCAVATION SITE
PER S.D.D. 2.18

LANDSCAPING PLAN - GIGAWATT DRIVE HILL VALLEY - PHASE 1		15668 L-2
CONTRACT NO: 9643		15668 L-2
MADISON, WI		15668 L-2
M:\DESIGN\Projects\15668\CAD\Streets\15668EN-LandscapingPlan.dwg		15668 L-2
DESIGNED BY: FBEG Date: 8/25/2025 10:16 AM		15668 L-2
REVISION		15668 L-2
DATE		15668 L-2
BY		15668 L-2



LEGEND

— SN —

PROPOSED SANITARY SEWER

— ST —

PROPOSED STORM SEWER

— W —

PROPOSED WATER MAIN

PRELIMINARY POLE LOCATION
- TO BE CONFIRMED IN THE FIELD

TERRACE EXCAVATION SITE
PER S.D.D. 2.18

15668

MADISON, WI

CONTRACT NO: 9643

LANDSCAPING PLAN - WALDORD BLVD & OUT OF TIME LN

HILL VALLEY - PHASE 1

M:\DESIGN\Projects\15668\CAD\Streets\15668EN-LandscapingPlan.dwg

15668

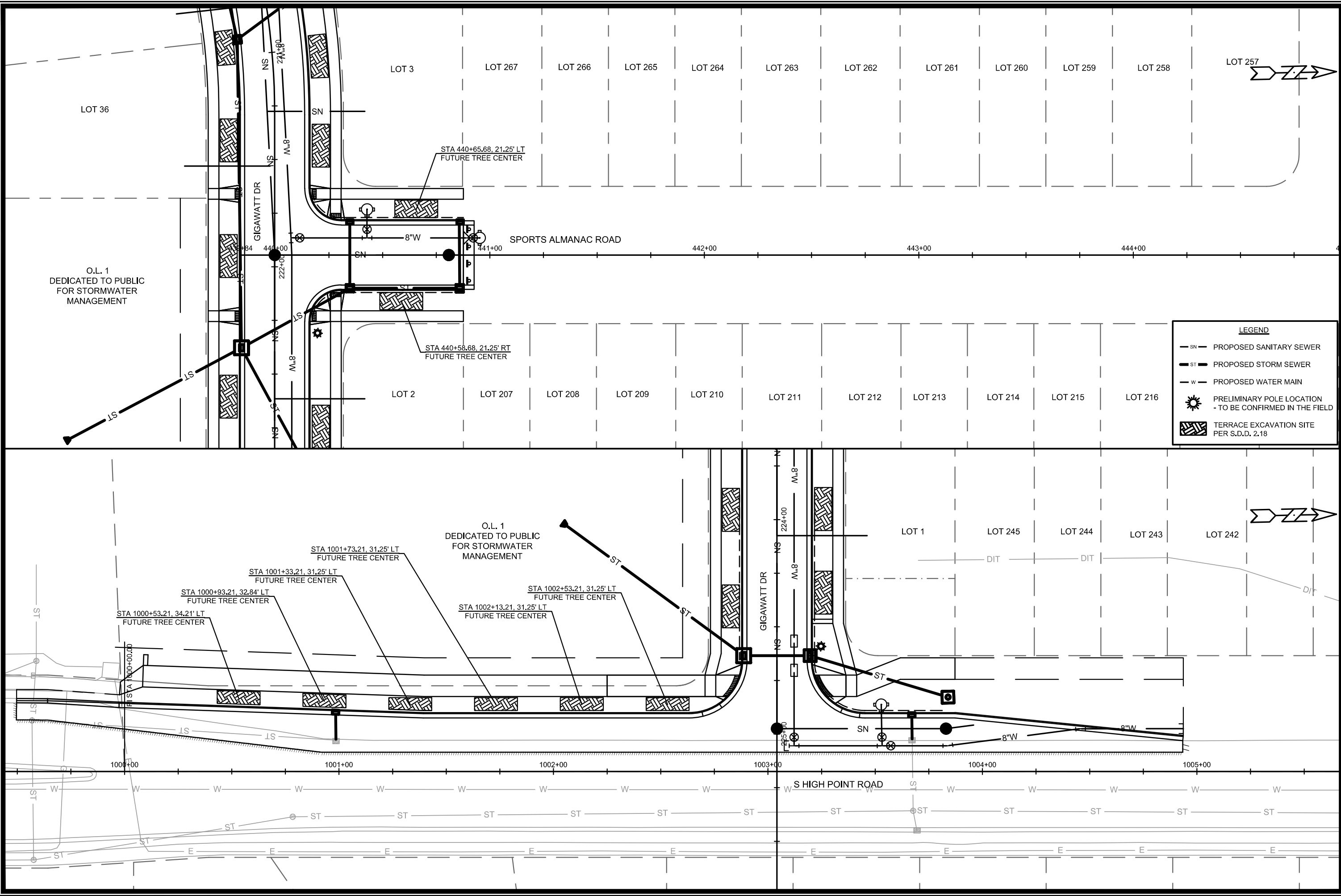
L-3

REVISION	DATE	BY

Designed By: FBEG Date: 8/25/2025 10:16 AM Scale: 1" = 40'

15668

L-3

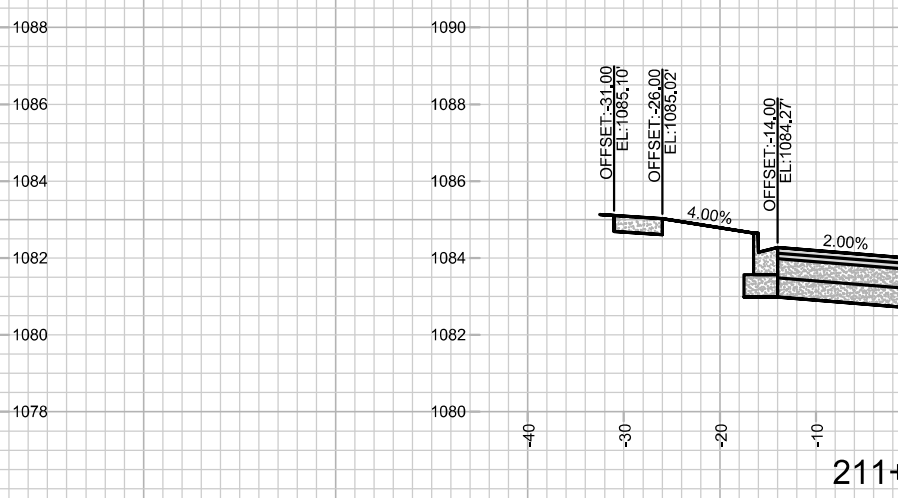
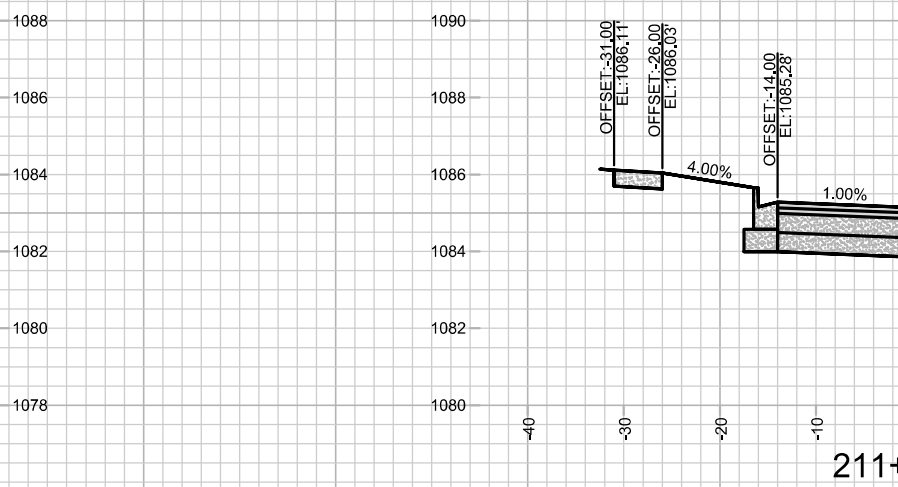
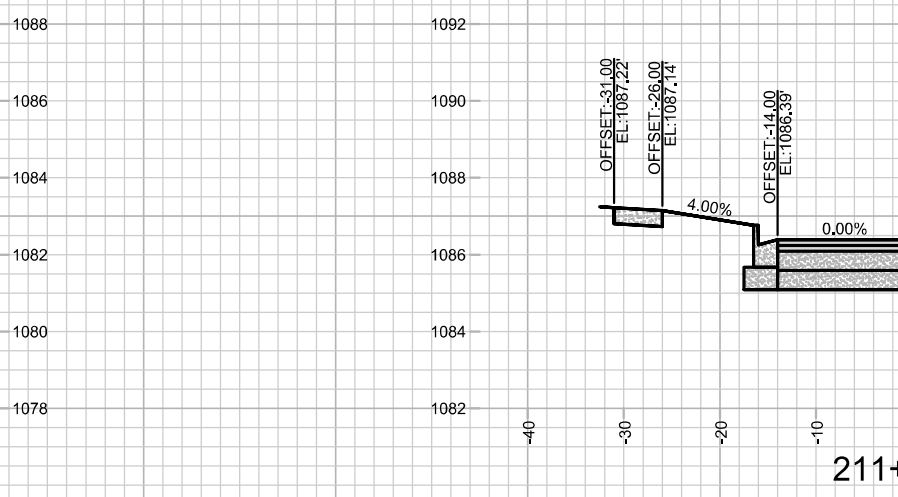
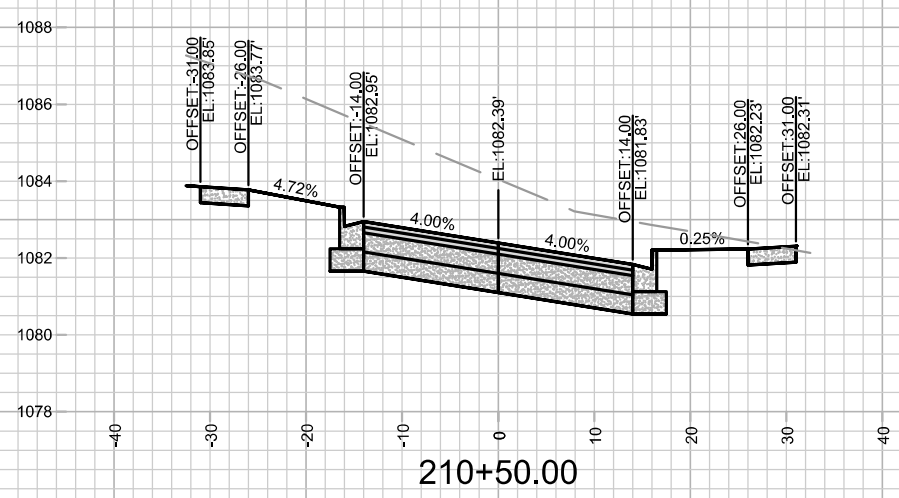
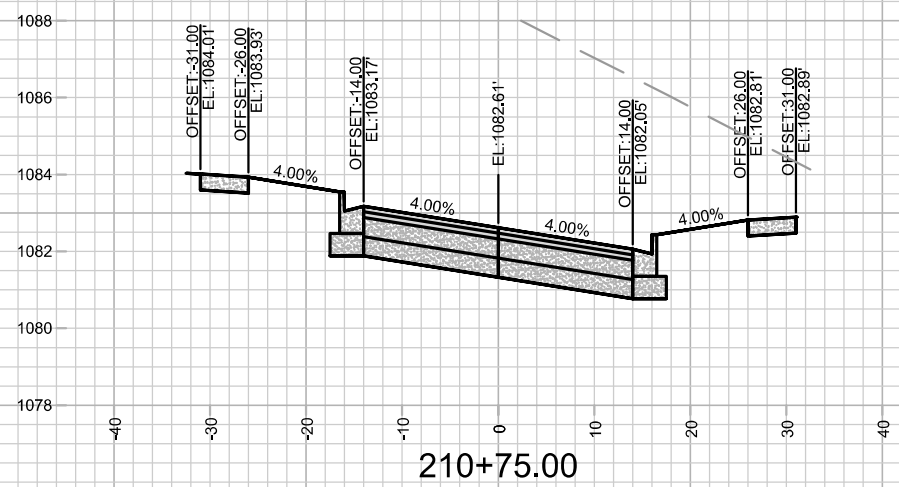
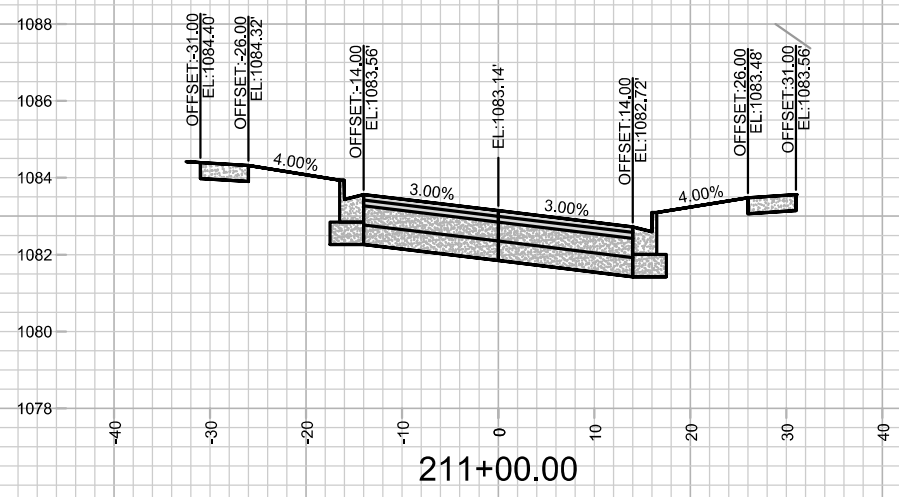


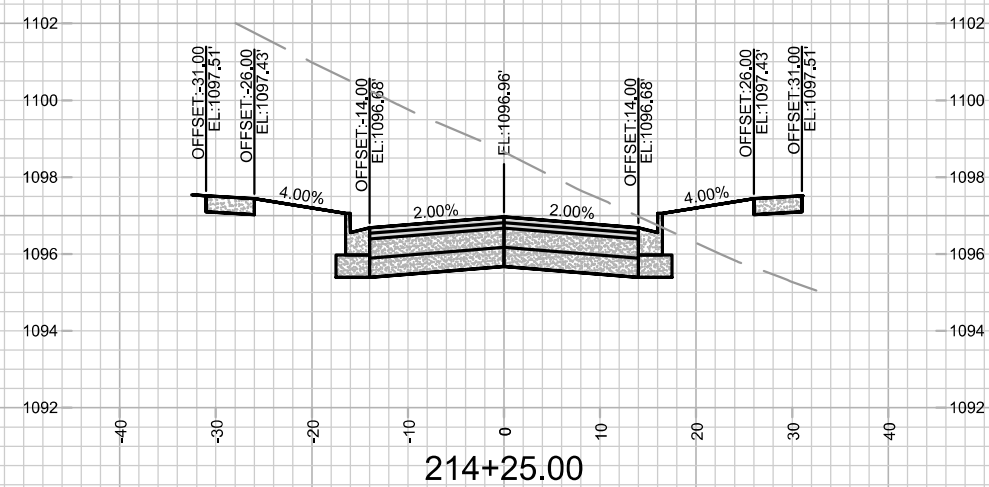
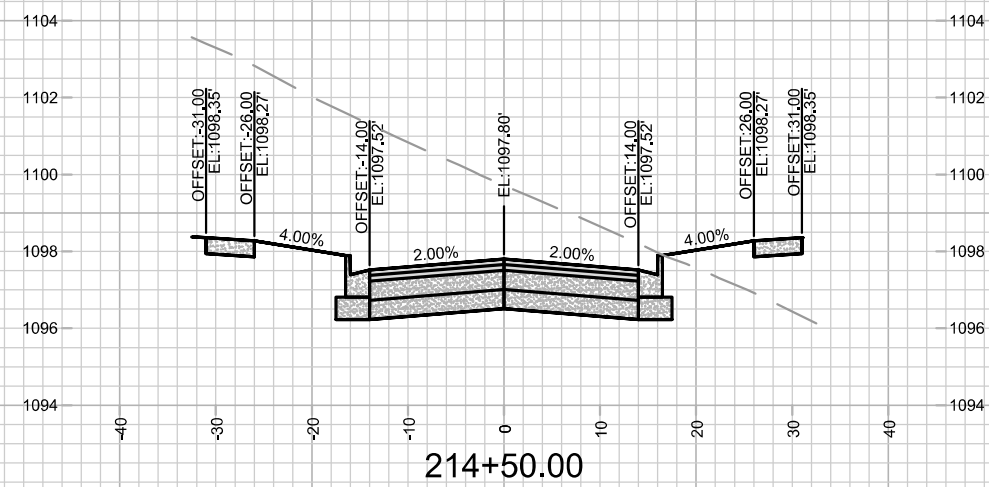
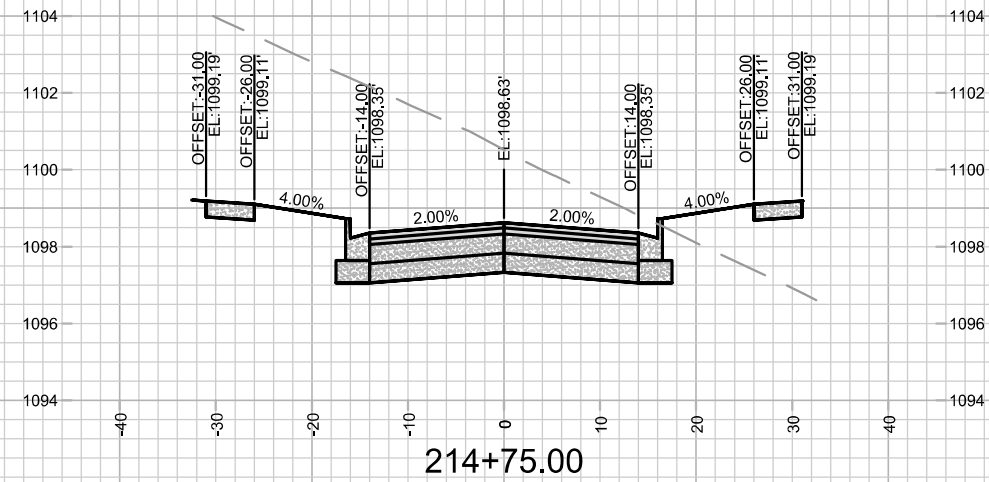
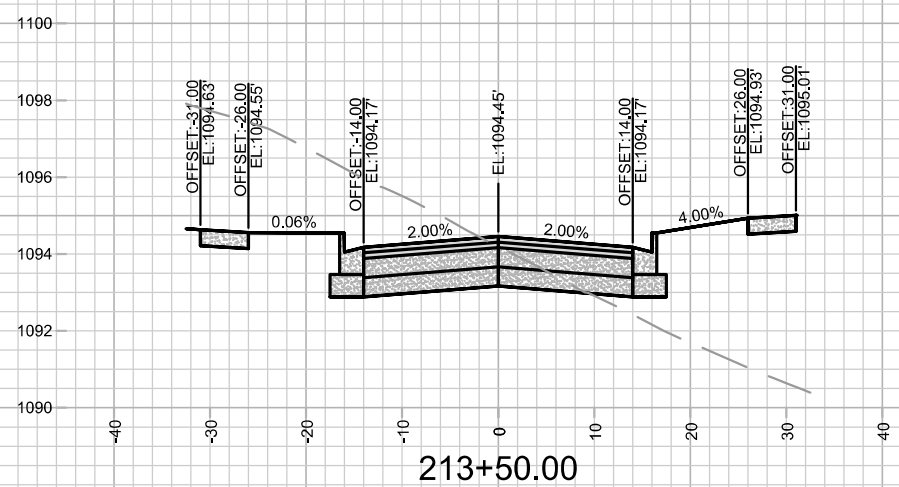
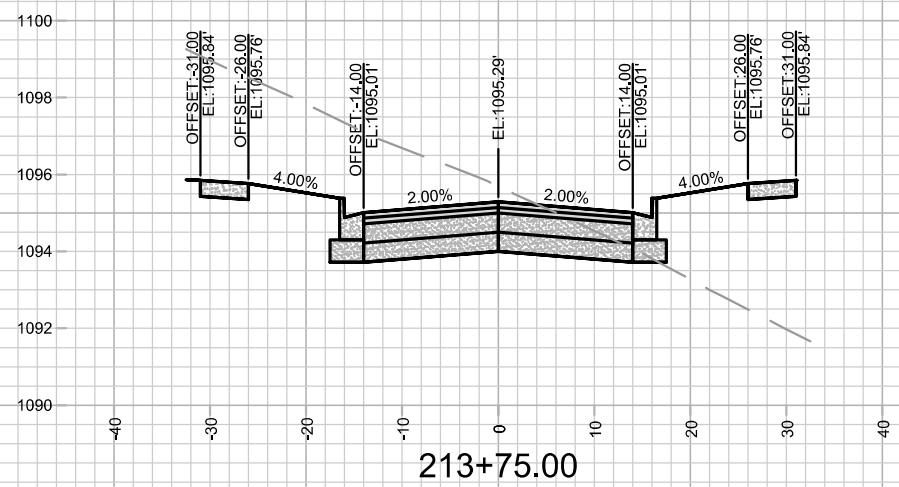
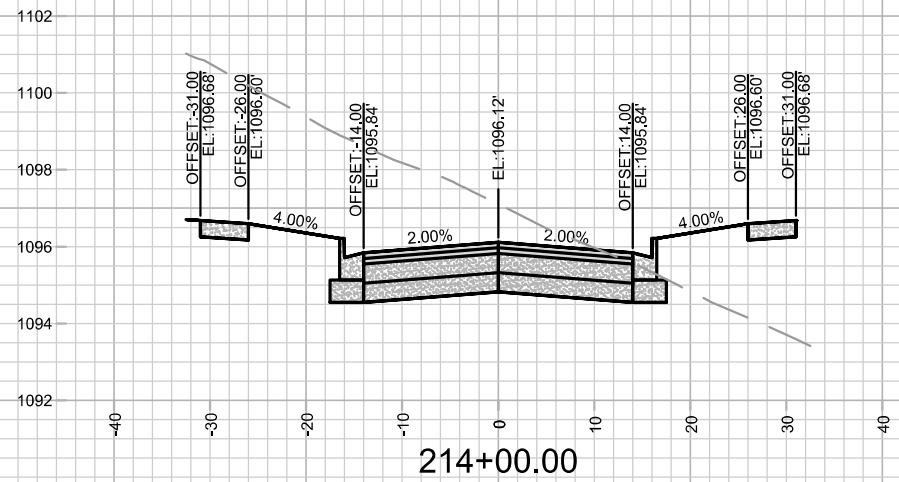
LEGEND

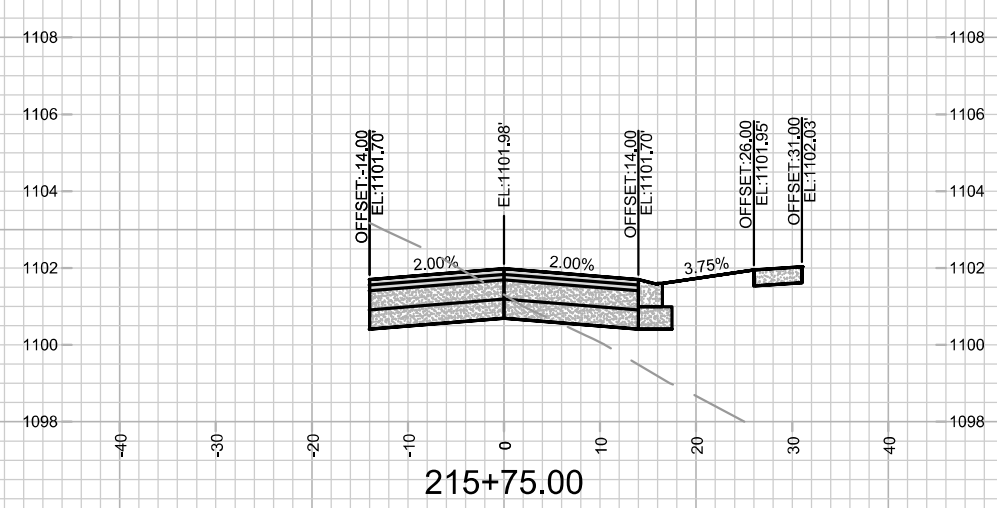
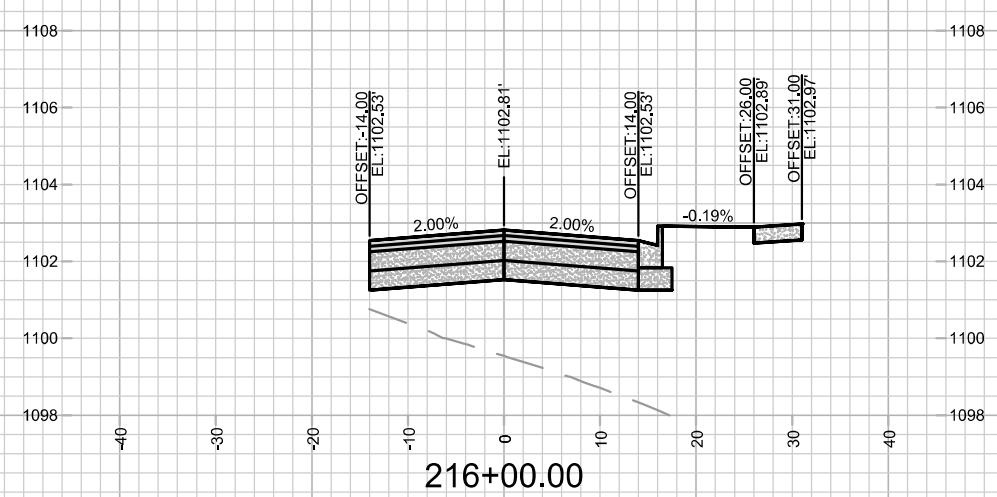
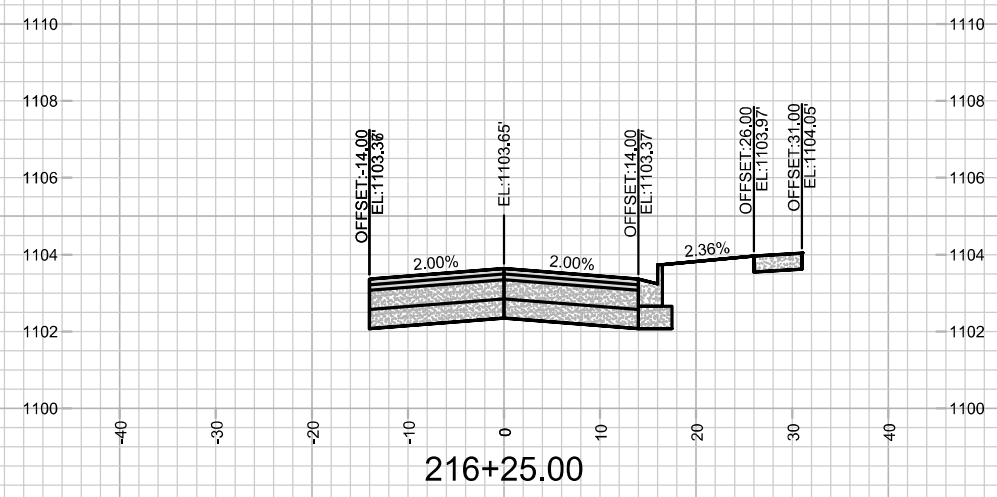
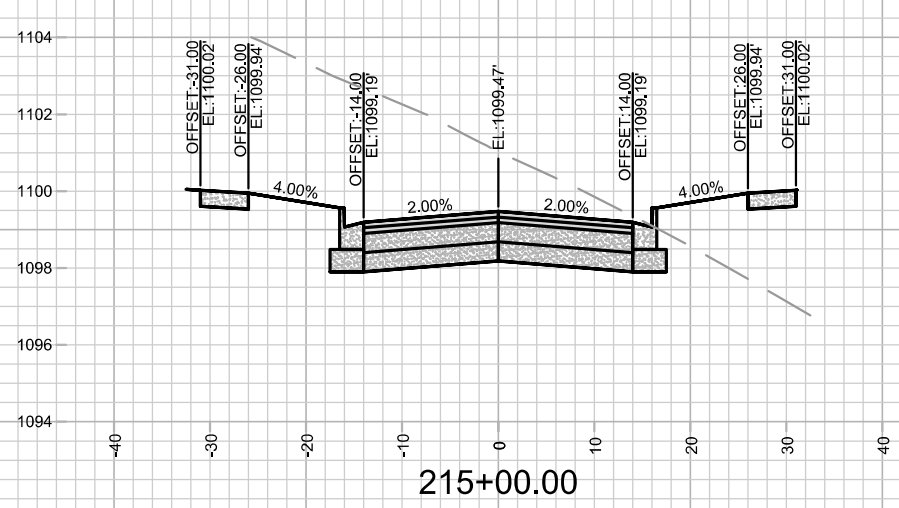
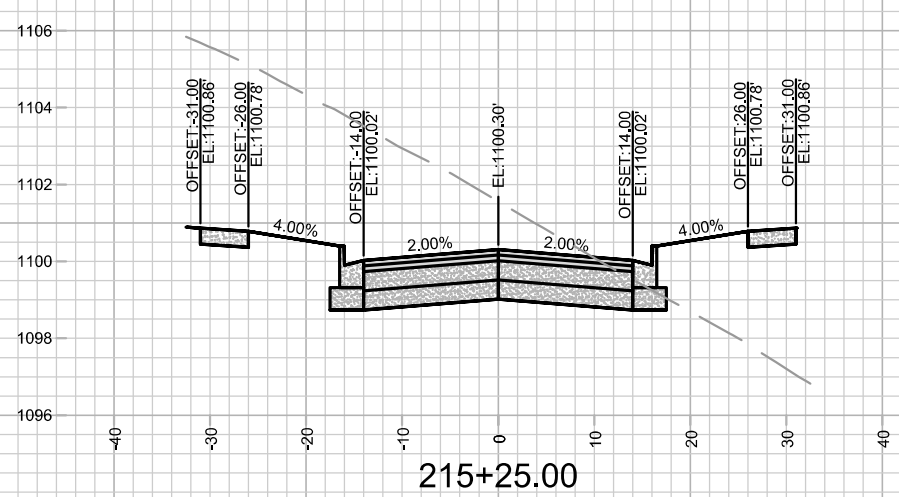
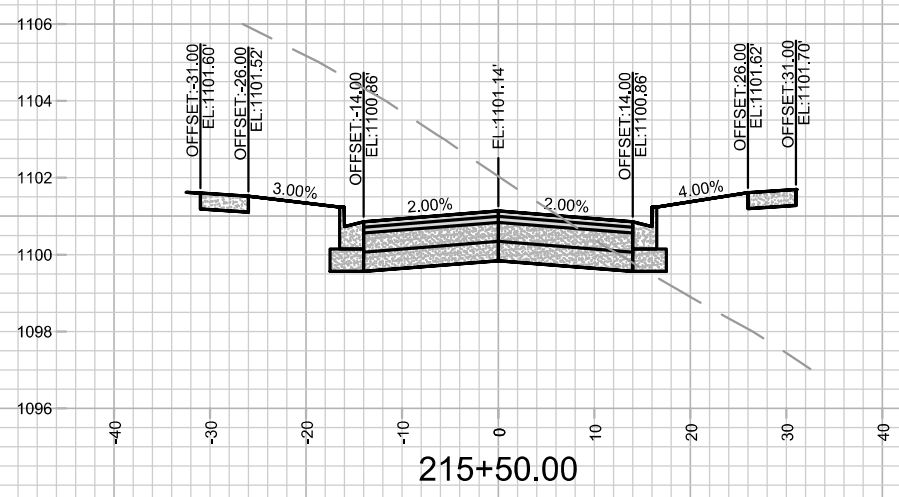
- SN — PROPOSED SANITARY SEWER
- ST — PROPOSED STORM SEWER
- W — PROPOSED WATER MAIN
- ☼ PRELIMINARY POLE LOCATION
- TO BE CONFIRMED IN THE FIELD
- ▨ TERRACE EXCAVATION SITE
PER S.D.D. 2.18

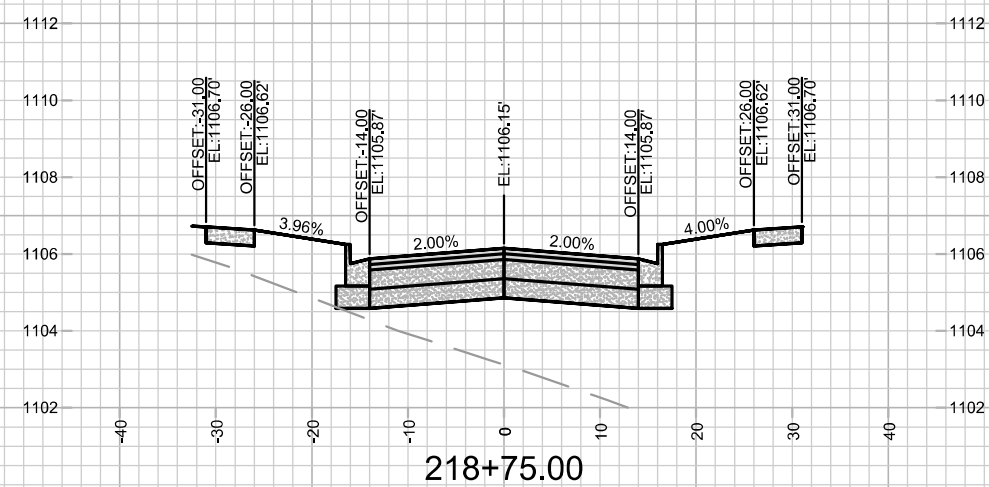
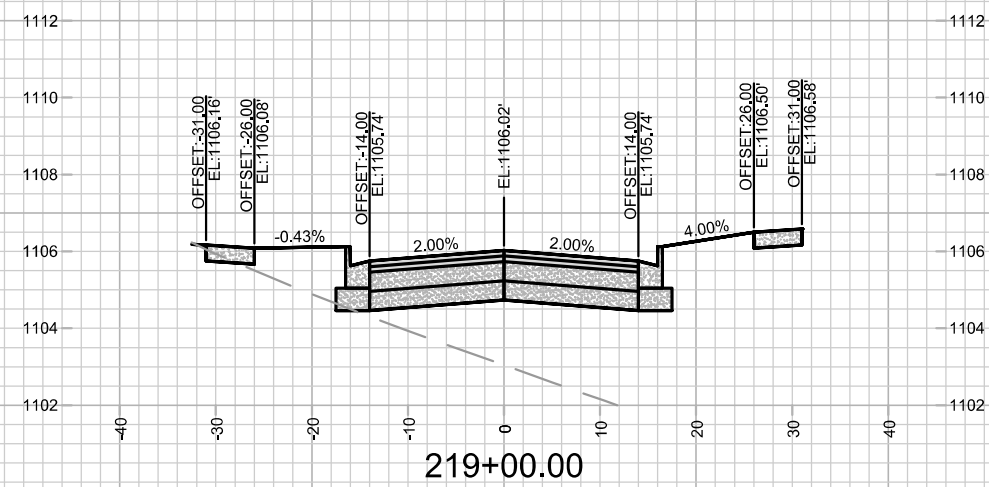
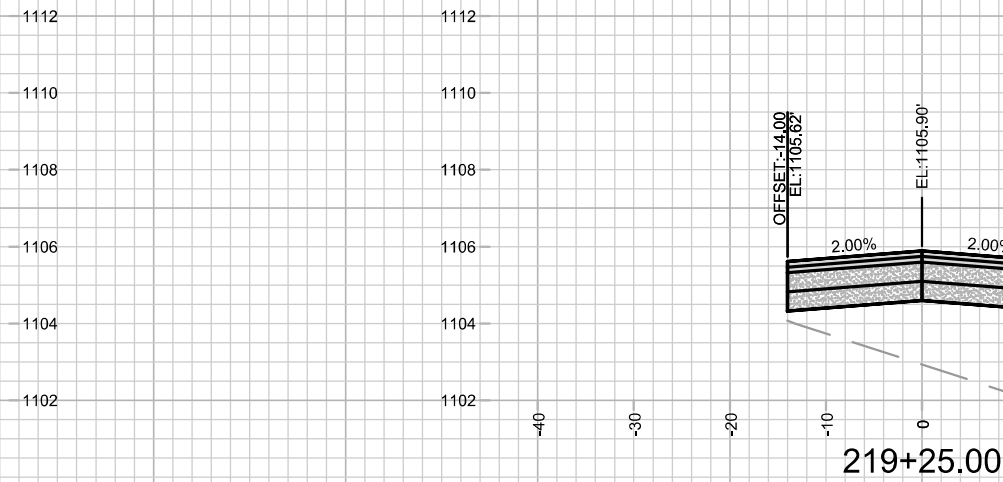
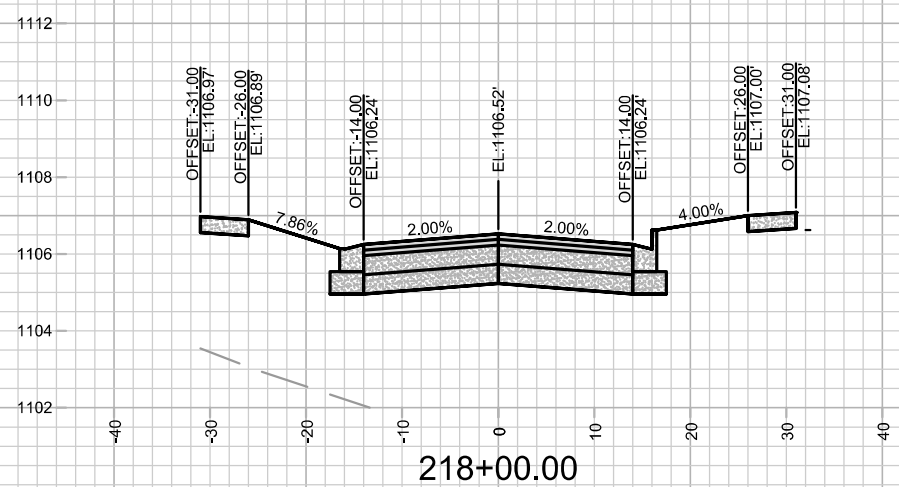
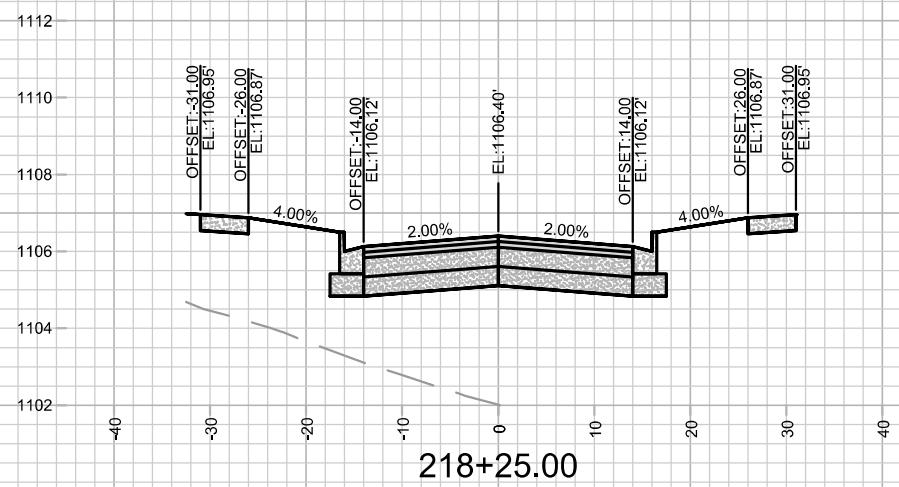
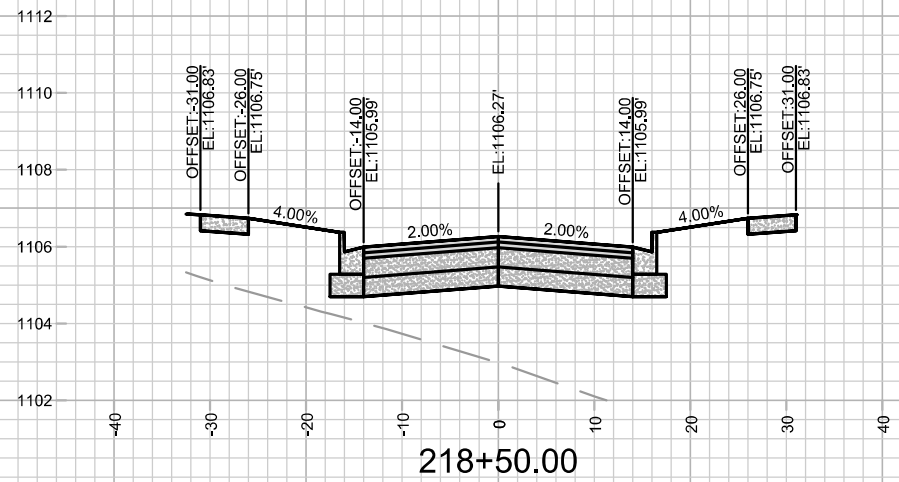
15668		MADISON, WI		CONTRACT NO: 9643	
LANDSCAPING PLAN - SPORTS ALMANAC RD & S HIGH POINT RD		HILL VALLEY - PHASE 1		M:\DESIGN\Projects\15668\CAD\Streets\15668EN-LandscapingPlan.dwg	
15668		15668		15668	
L-5		L-5		L-5	

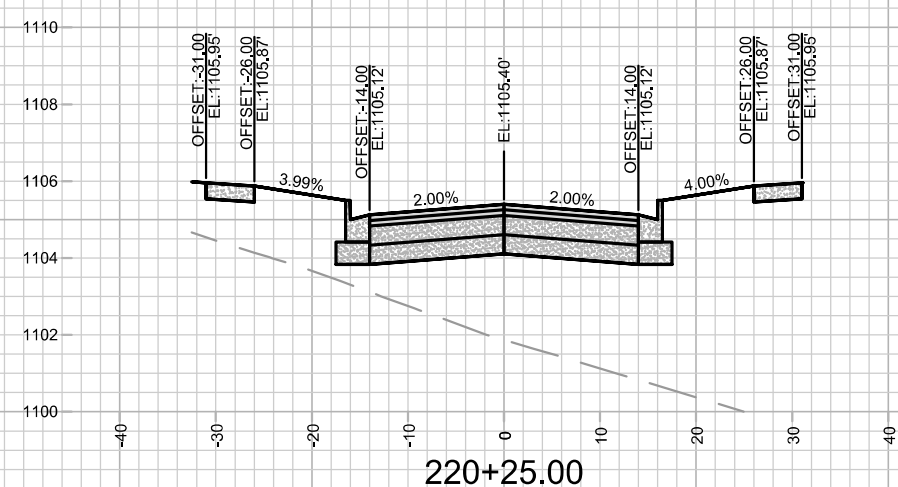
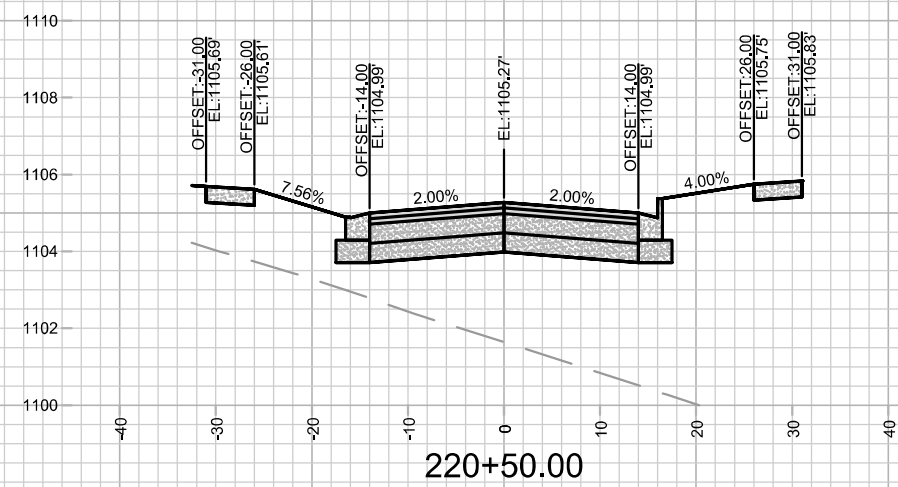
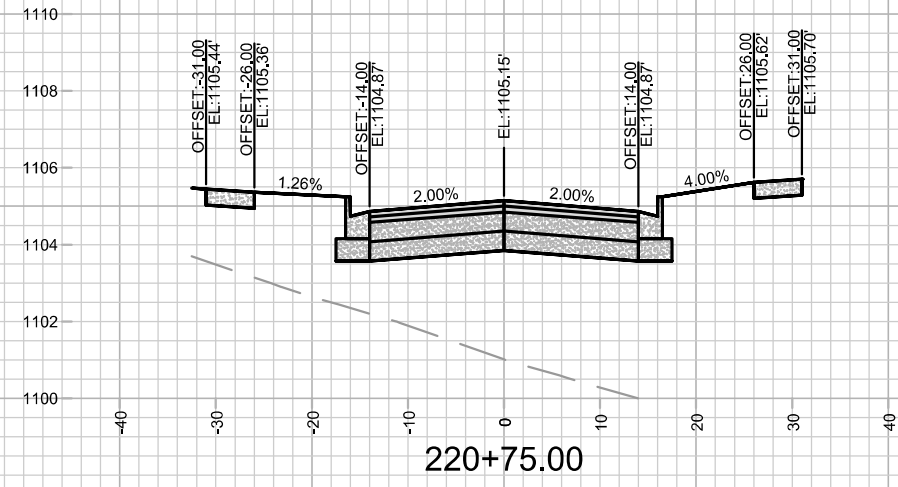
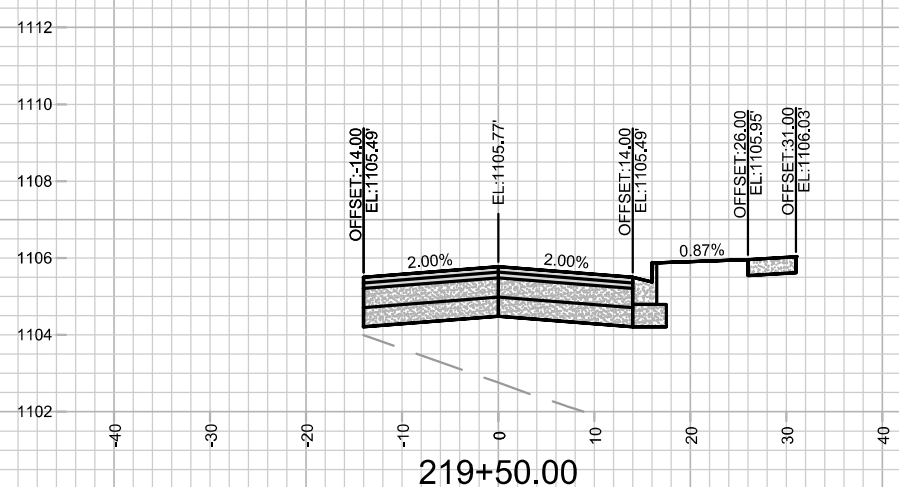
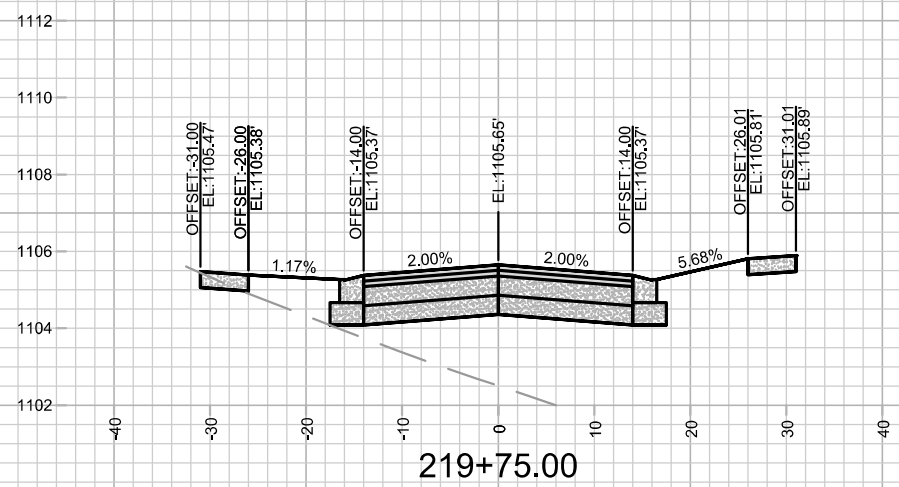
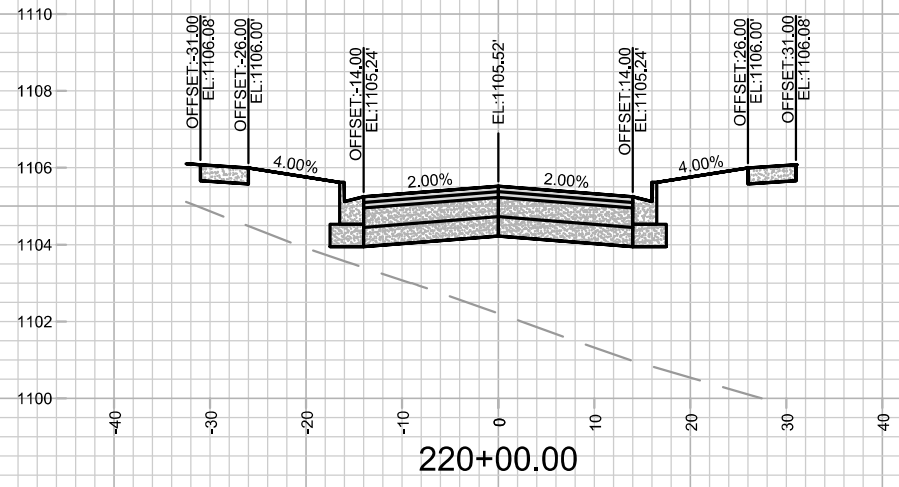
City of Madison Wisconsin logo

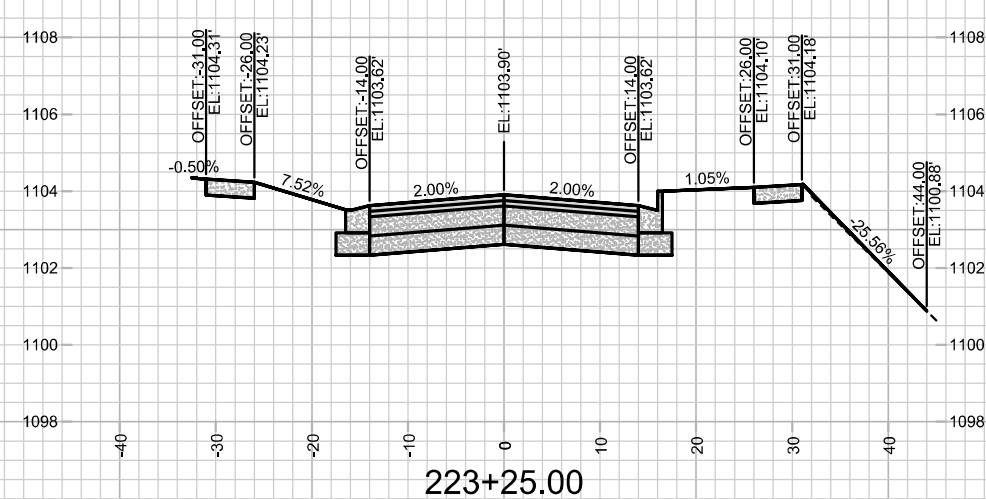
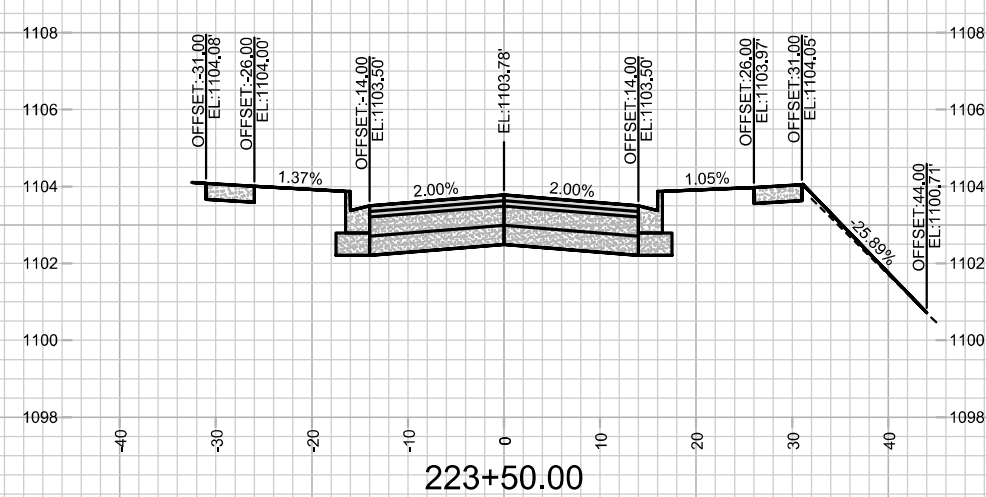
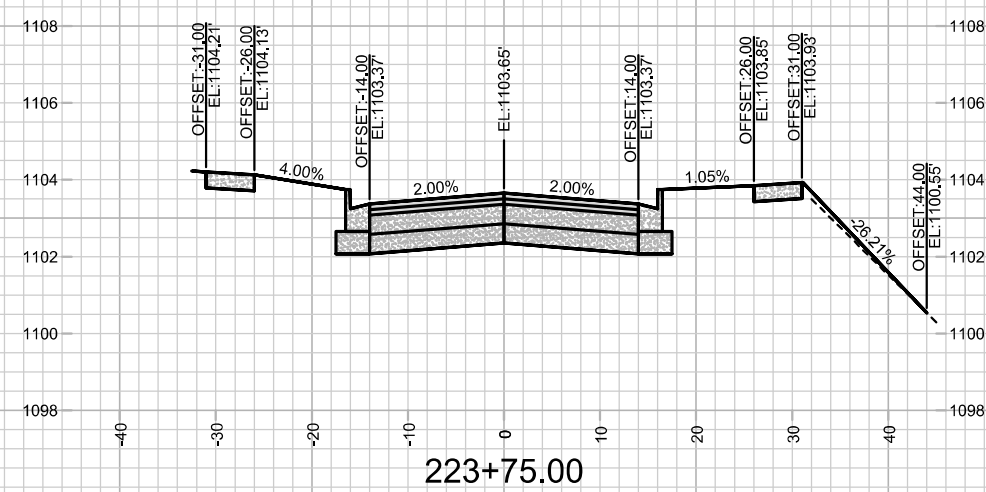
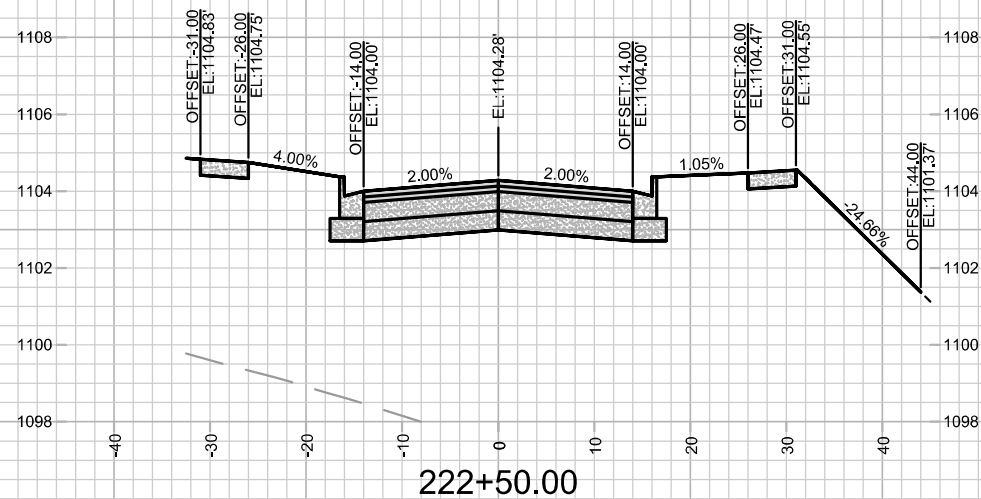
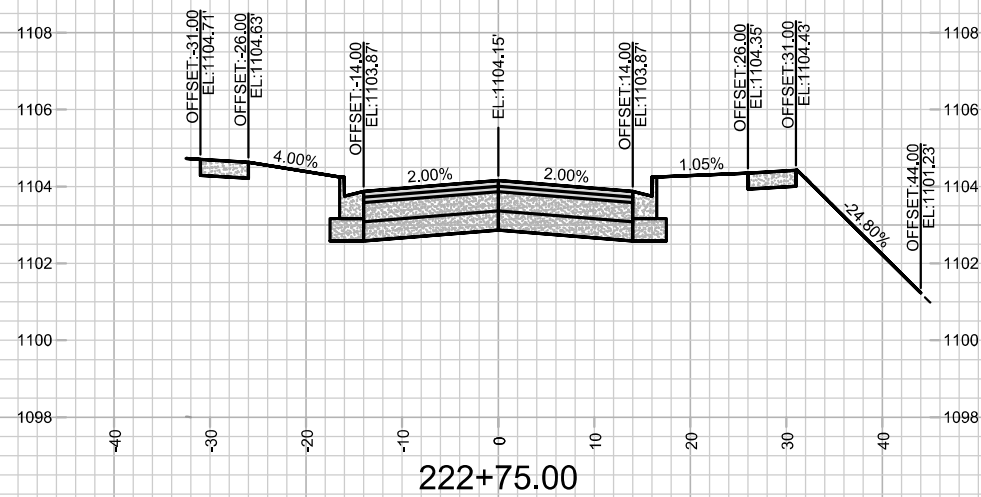
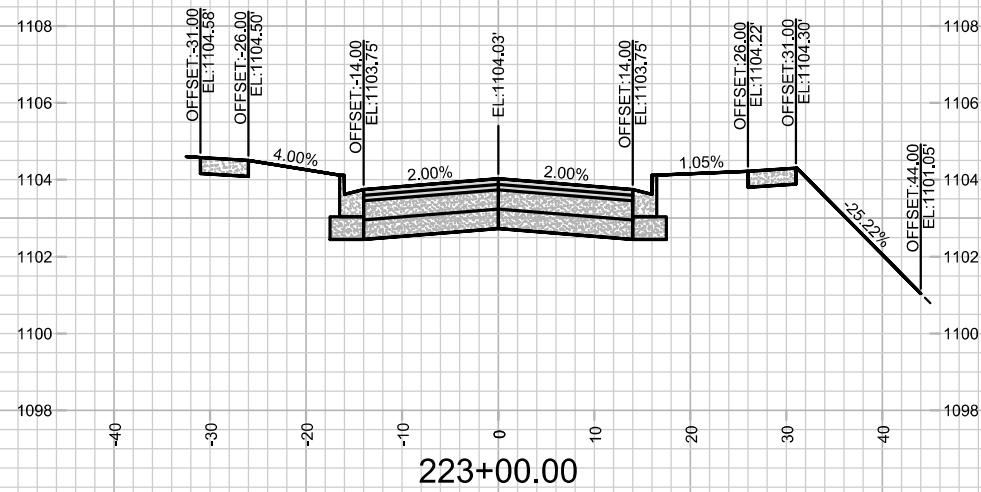


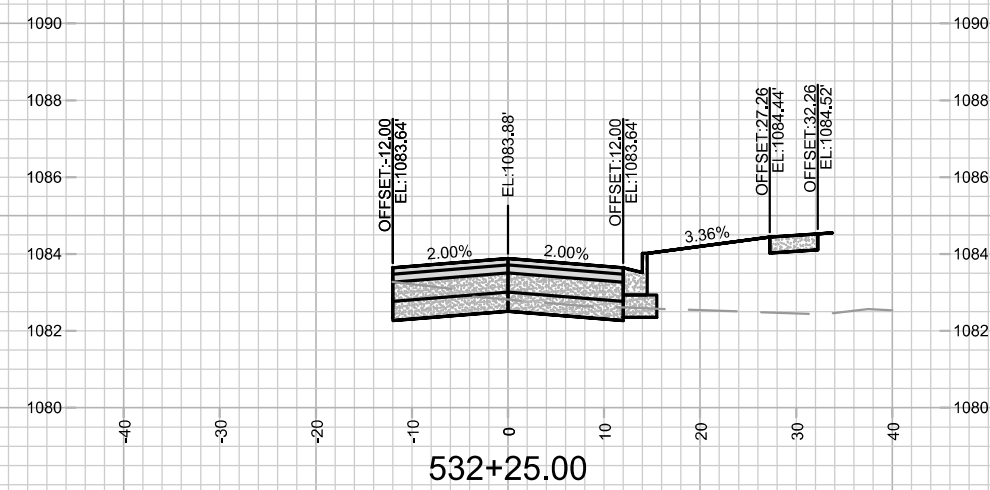
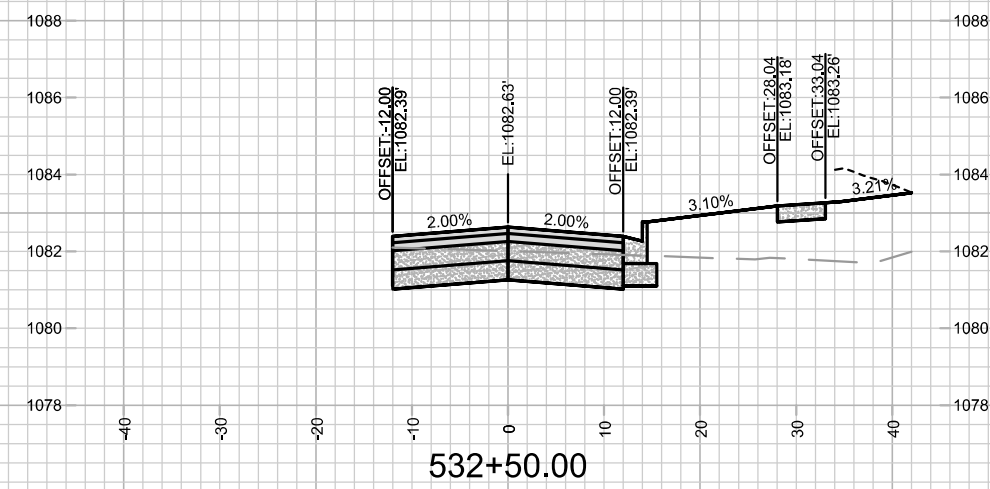
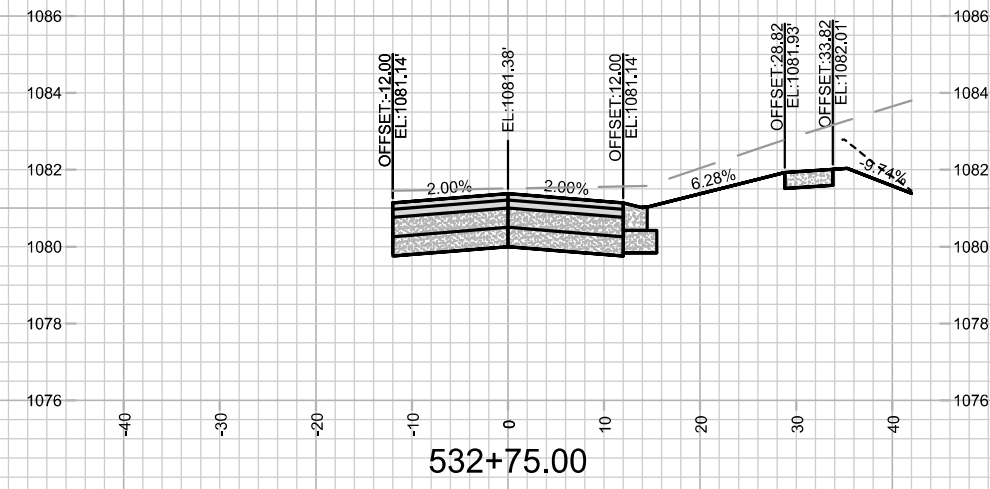
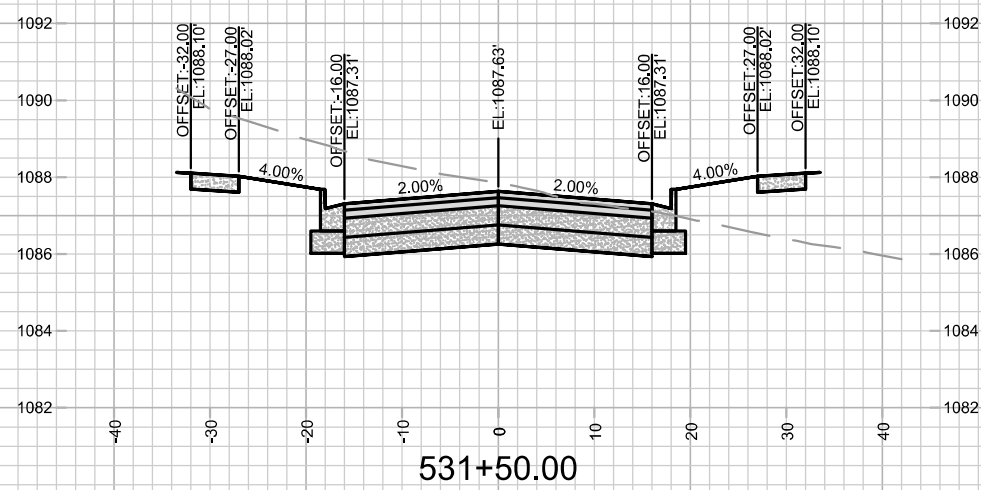
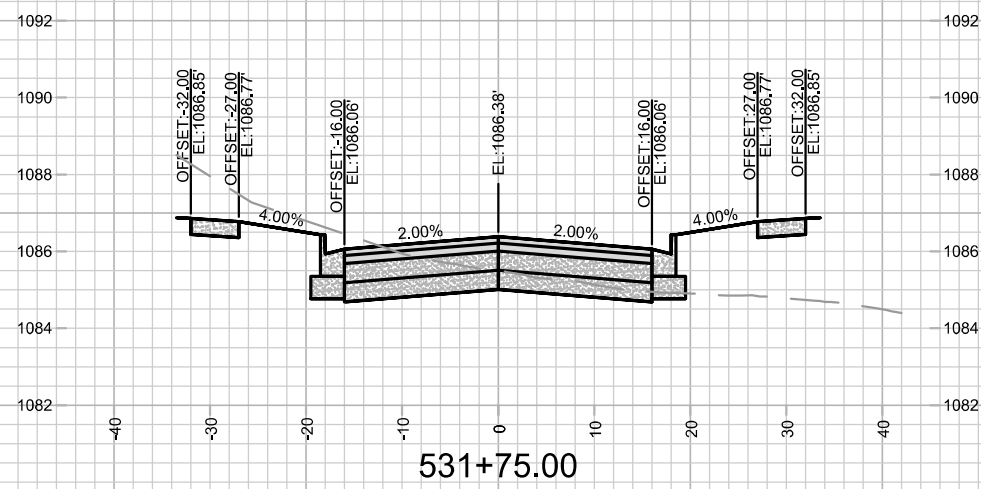
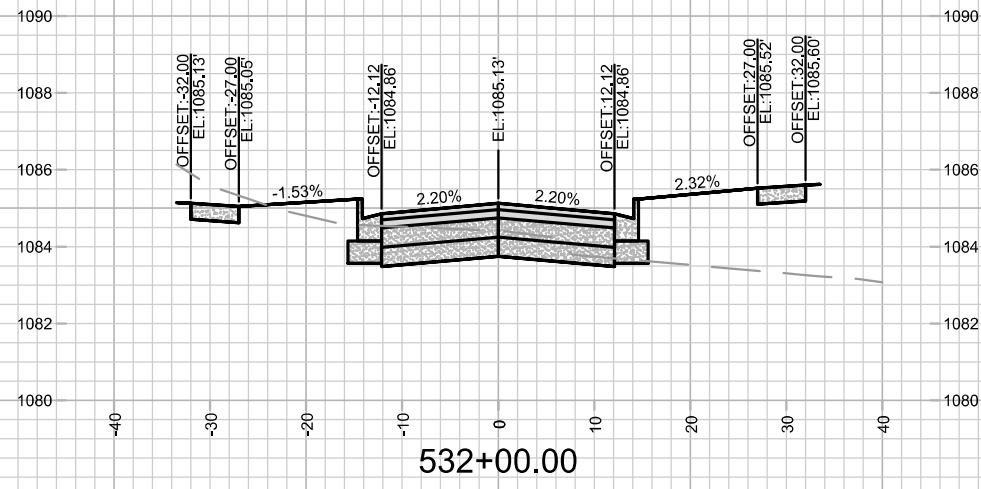


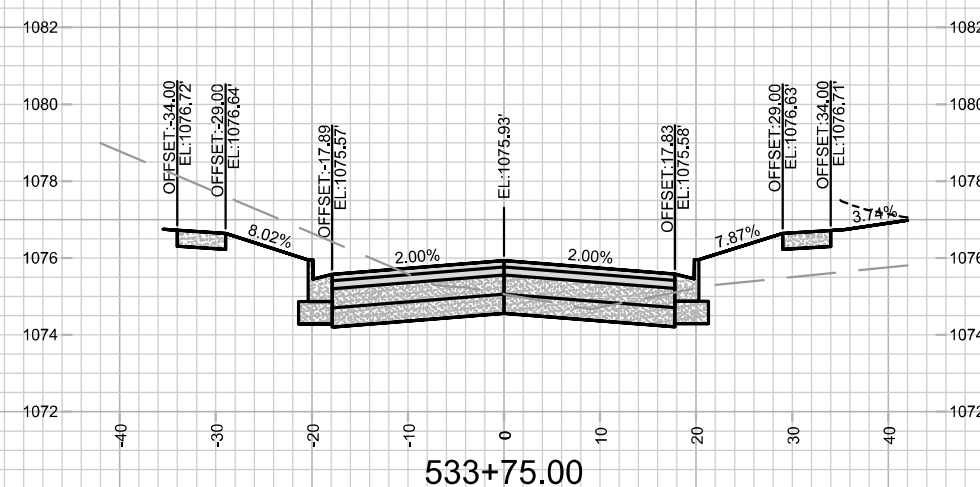
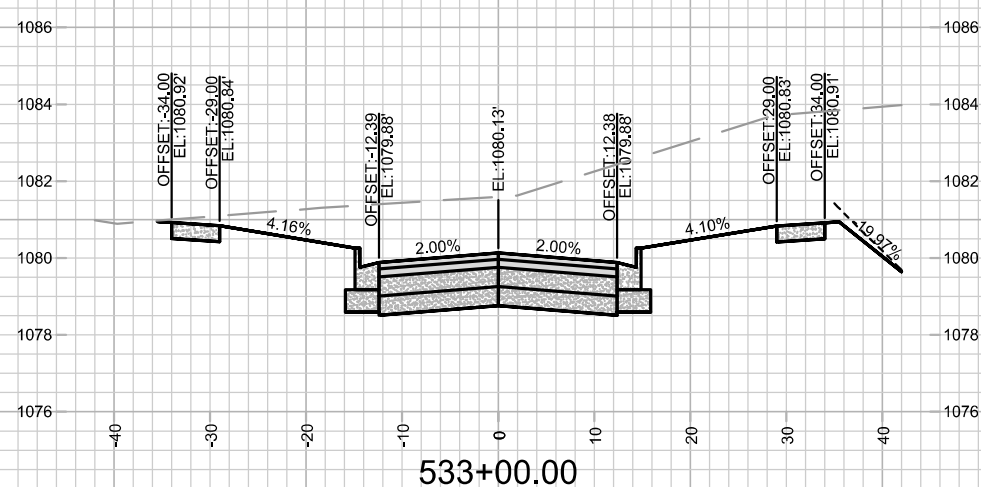
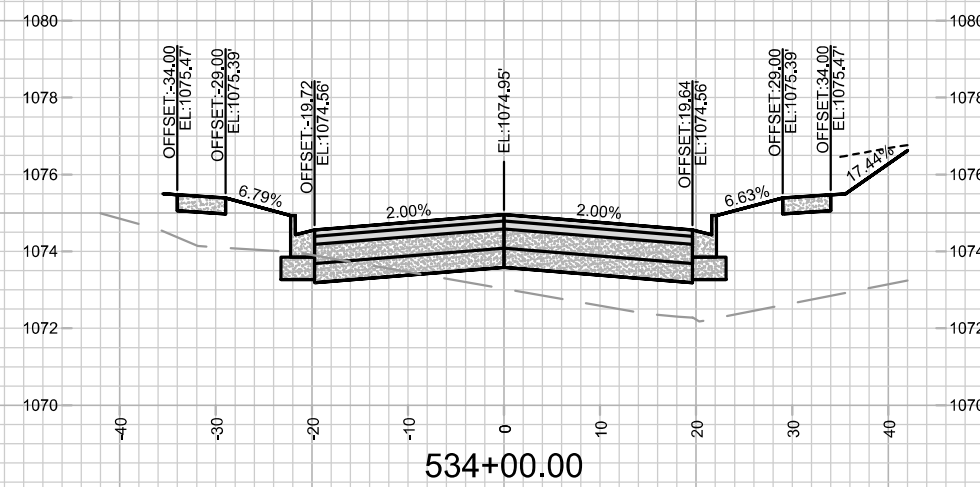
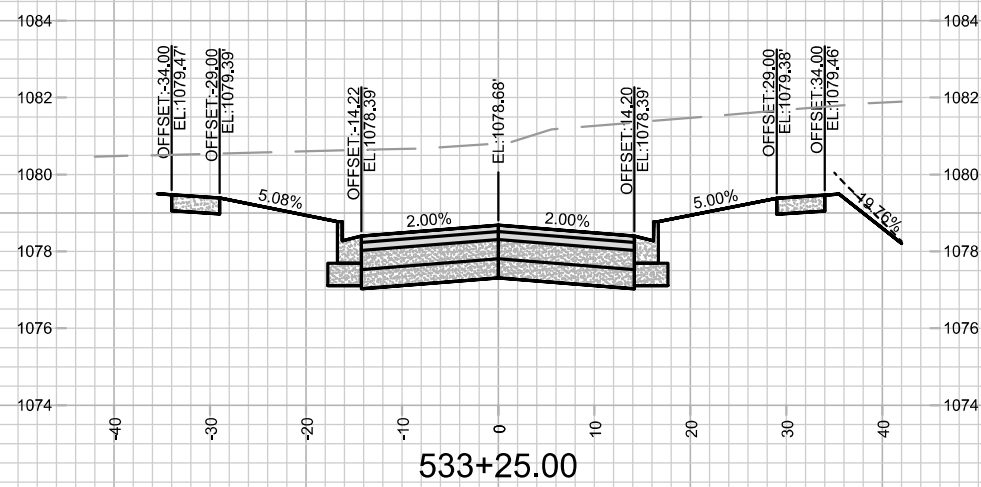
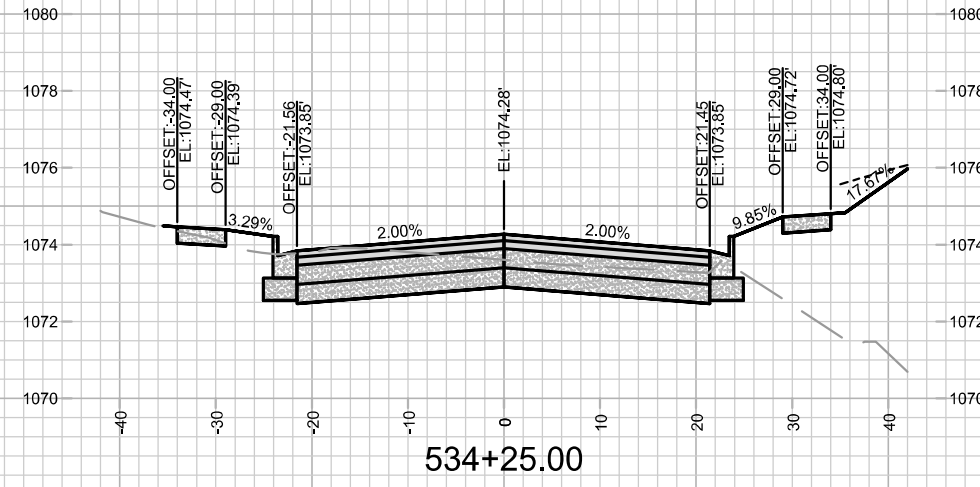
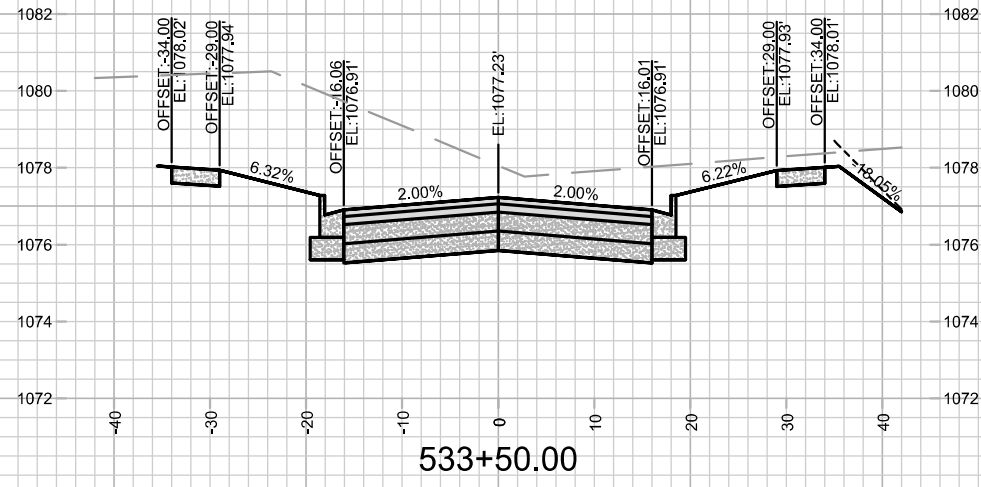


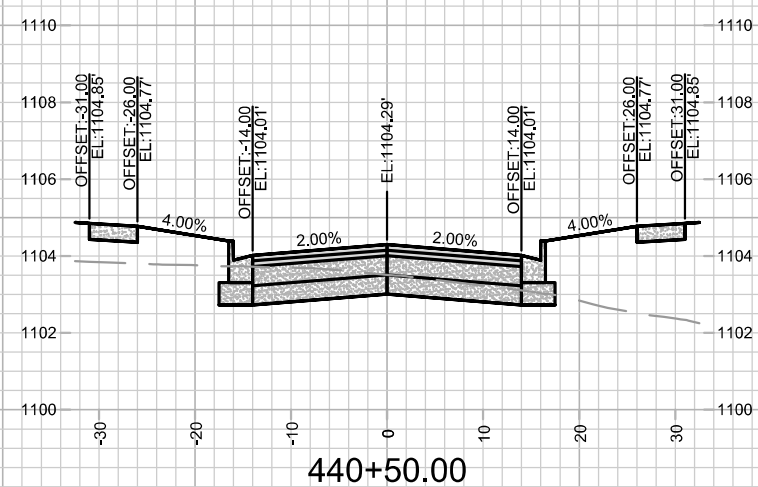
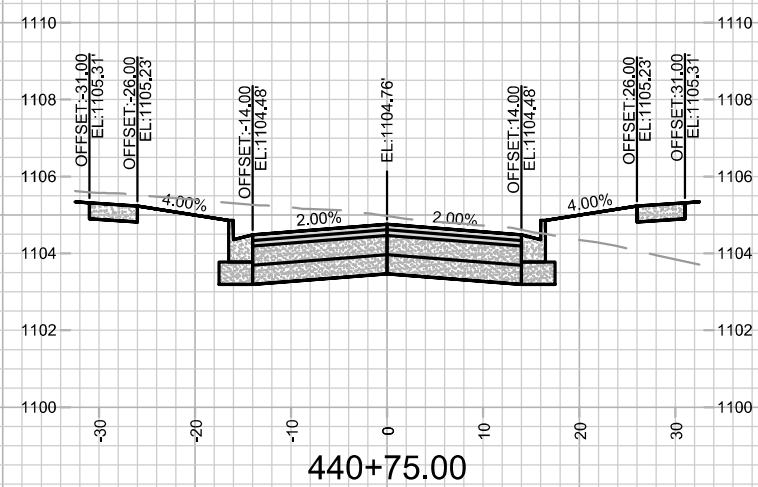












15668

X-16

CROSS SECTIONS - SPORTS ALMANAC ROAD

15668

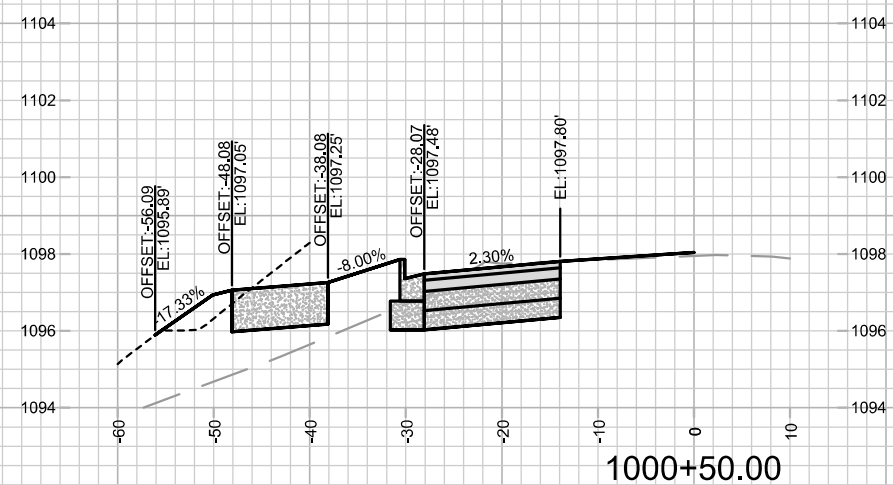
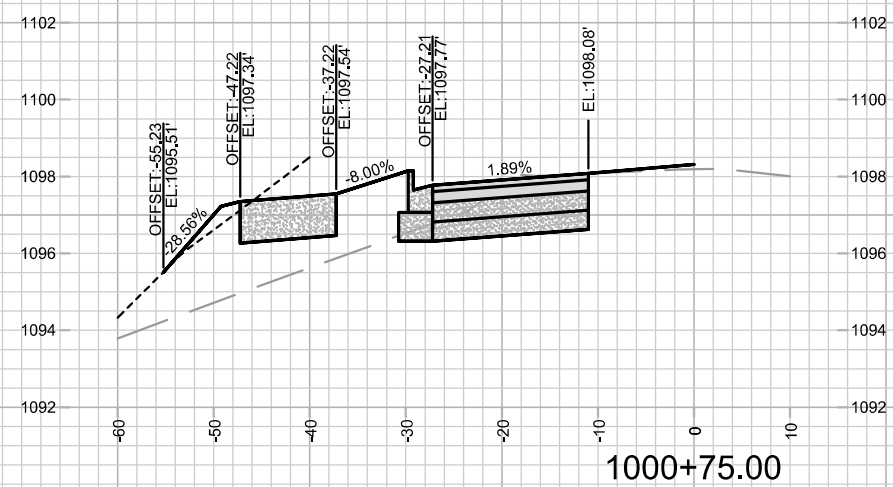
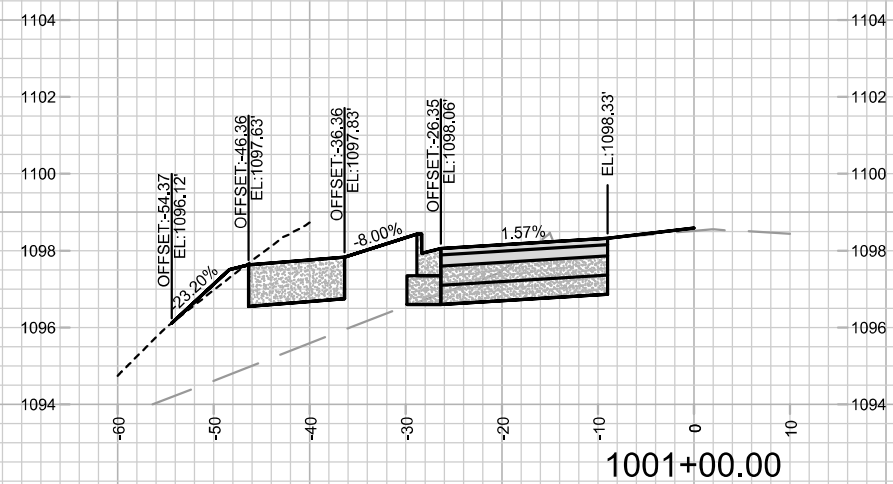
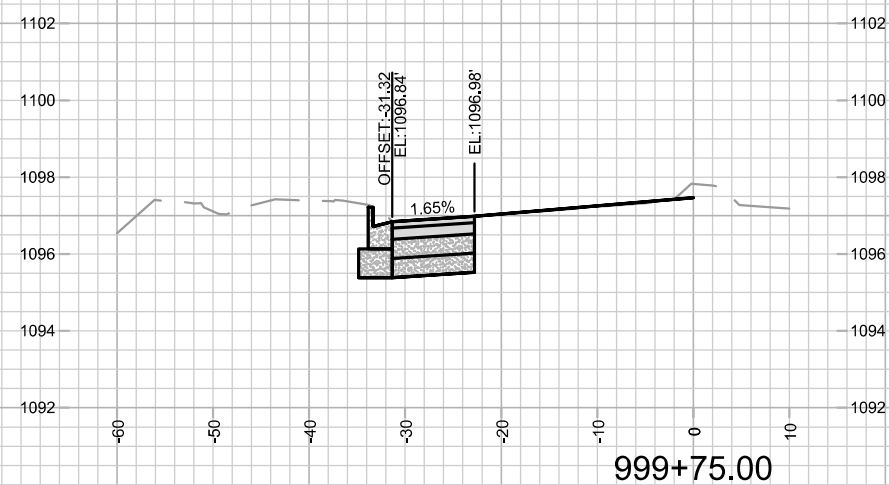
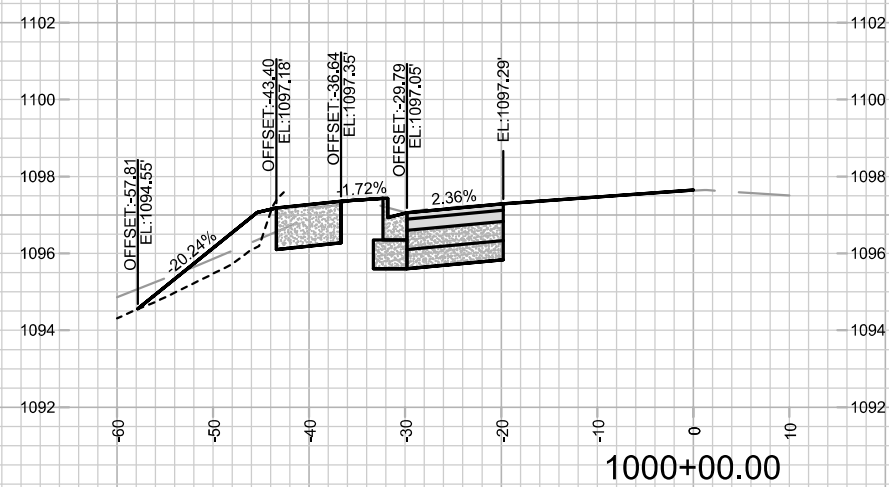
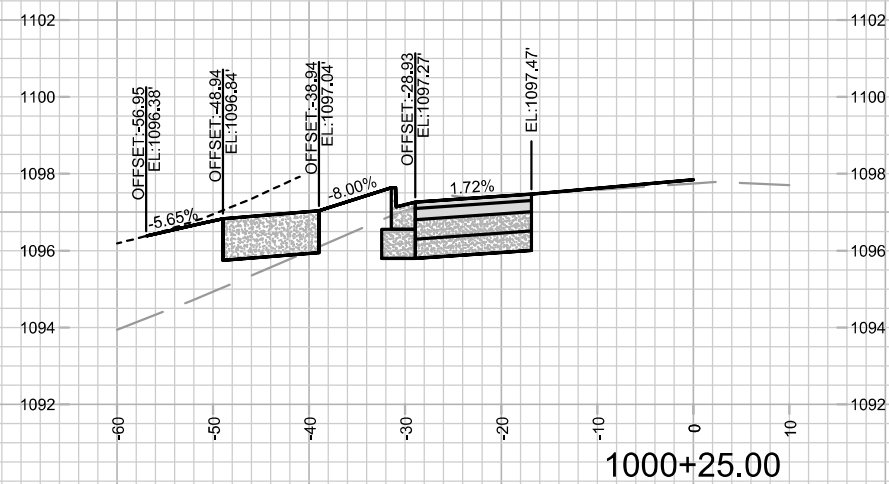
HILL VALLEY - PHASE 1

MADISON, WI

M:\DESIGN\Projects\15668\CAD\Streets\15668EN-X\sections.dwg

CONTRACT NO:

MARK		REVISION		DATE	BY
15668					
Designed By: FBEGC Date: 8/20/2025 6:54 PM Scale: 1" = 20'					
				X-16	



15668

X-17

CROSS SECTIONS - S HIGH POINT ROAD

HILL VALLEY - PHASE 1

M:\DESIGN\Projects\15668\CAD\Streets\15668EN-Xsections.dwg

15668

MADISON, WI

CONTRACT NO: 9643

MARK	REVISION	DATE	BY
15688		Date: 8/20/2025 6:55 PM	Scale: 1" = 20'

