

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

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HILL VALLEY PHASE 2A

CITY PROJECT NO. 15828
CONTRACT NO. 9662

PHASE LIMITS



REVISION 1 - 10/28/2025
- SHEETS REPLACED: U1-U5, W1-W5

PUBLIC PONDS
SEE PROJECT NO. 15669

PUBLIC IMPROVEMENT PROJECT
APPROVED

AUGUST 5, 2025

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Julie

10/03/2025

City Engineer

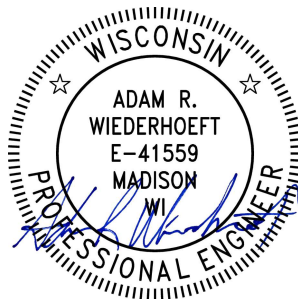
Date

STREET
DESIGNED BY:



10/03/2025

WATER
DESIGNED BY:



10/03/2025

SANITARY SEWER
DESIGNED BY:



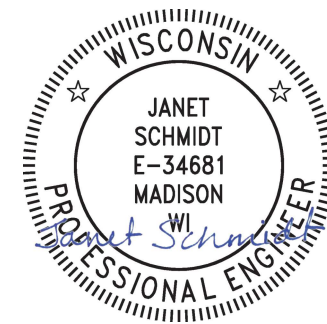
10/06/2025

GEOMETRY
DESIGNED BY:



10/03/2025

STORM SEWER
DESIGNED BY:



10/03/2025

PLOT SCALE: 1"=0" = 1'-0" XREF
PLOT NAME: ----
REV. DATE: 9/22/2025 10:28 AM

ORIGINATOR: CITY_OF_MADISON

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.

THE CONTRACTOR MUST CONTACT CITY FORESTRY AT 608-266-4816 OR FORESTRY@CITYOFMADISON.COM TO CONFIRM LAYOUT AND MARK LOCATION OF TERRACE EXCAVATION SITES AT LEAST 24 HOURS BEFORE EXCAVATION BEGINS.

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.

ALL PAVEMENT IN THE WALDORF BOULEVARD, OUT OF TIME LANE, CAPACITOR STREET, AND VELOCITY LANE RIGHTS-OF-WAY SHALL BE TYPE A 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.

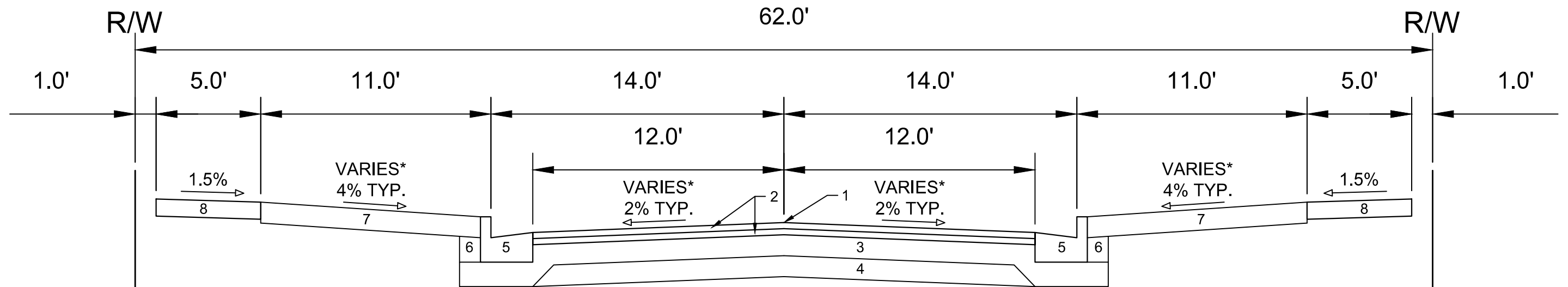
ALL UTILITY VERIFICATIONS AND ACCURACY OF THE DRAWINGS ARE THE RESPONSIBILITY OF THE DEVELOPER. ANY CONFLICTS THAT ARISE FROM MISSING OR ERRONEOUS INFORMATION WILL BE AT THE EXPENSE OF THE DEVELOPER. NO PRECAST STRUCTURES WILL BE APPROVED FOR STORM OR SANITARY SEWER UNTIL ALL POTENTIAL UTILITY CONFLICTS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

CONVENTIONAL SIGNS
FIELD VERIFY ALL UTILITY LOCATIONS

GAS	—— G ——
STORM SEWER	—— ST ——
SANITARY SEWER	—— SAN ——
WATER	—— W ——
BURIED ELECTRIC	—— E ——
OVERHEAD ELECTRIC	—— OH ——
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

15828	MADISON, WI	9662	15828
HILL VALLEY PHASE 2A		CONTRACT NO:	D-1
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STANDARD NOTES			
			
15828			
D-1			

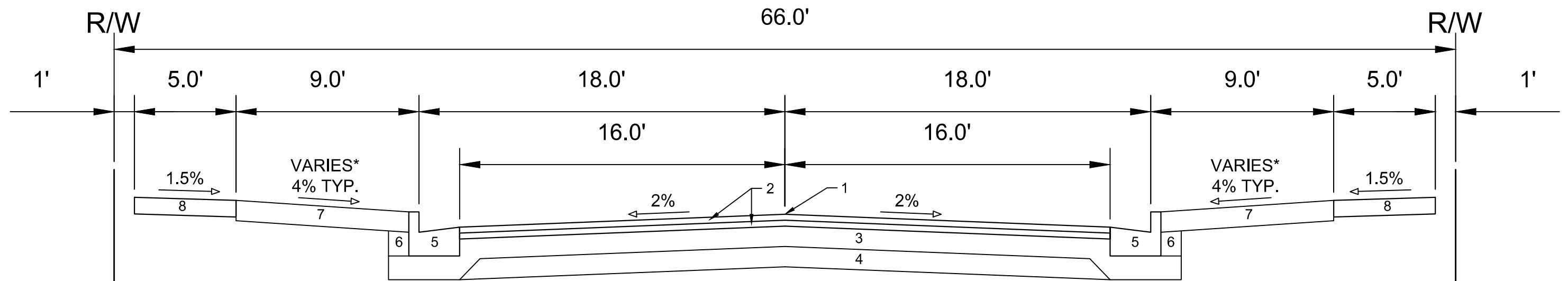


TYPICAL SECTION
OUT OF TIME LANE

- 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-3 & X-6 TO X-9 FOR CROSS SLOPES
 ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

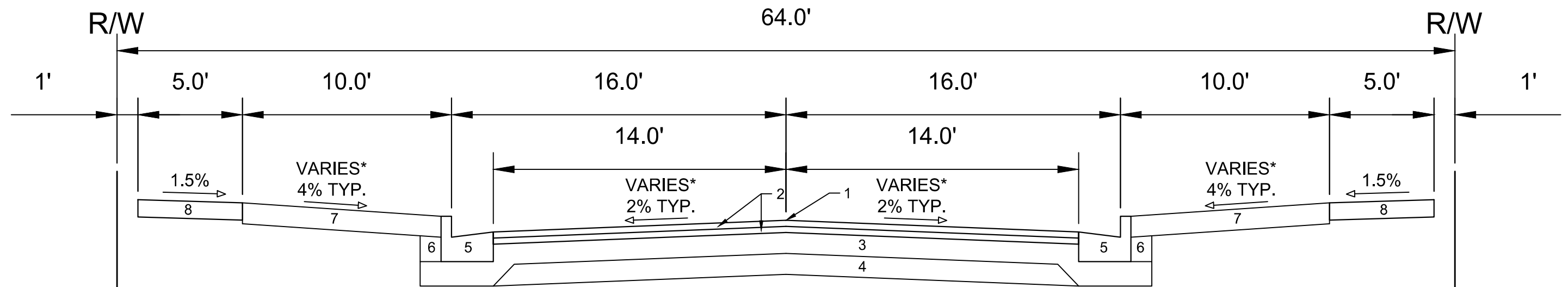


TYPICAL SECTION
WALDORF BOULEVARD

- 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-1 TO P-2 & X-1 TO X-5 FOR CROSS SLOPES
 ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

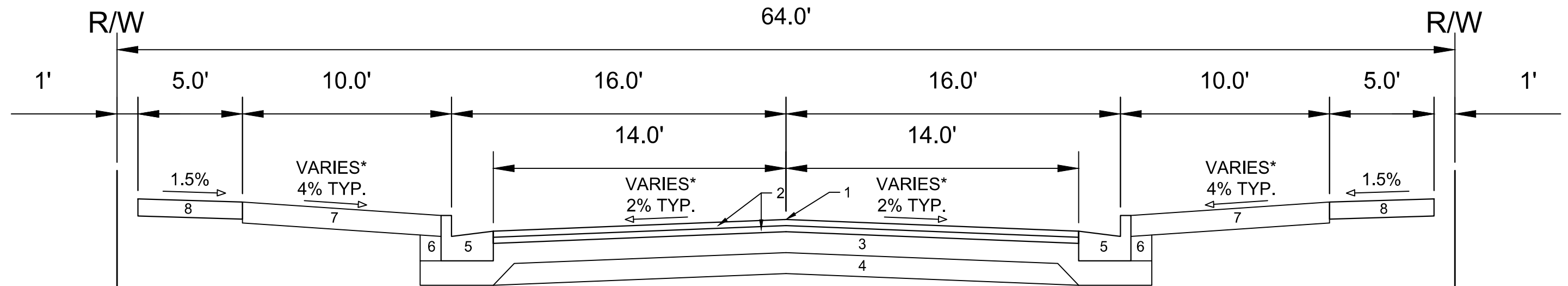


TYPICAL SECTION
VELOCITY LANE

- 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



TYPICAL SECTION
CAPACITOR STREET

- 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-10 TO X-12 FOR CROSS SLOPES
 ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

LEGEND

SURFACE PAVING BY DEVELOPER
UNDER CONTRACT NO. 9663

SURFACE PAVING BY DEVELOPER
UNDER CONTRACT NO. 9662

This site plan illustrates the layout for Hill Valley Phase 2A. The plan includes 32 numbered lots arranged in a grid-like fashion. Key streets shown include Waldorf Blvd. running vertically, Gigawatt Drive running horizontally at the bottom, and several alleys: Public Alley 3, Public Alley 4, Public Alley 5, and Paradox Lane. Other streets include Velocity Lane, Capacitor St, Fire Track Lane, and an 'OUT OF TIME LANE'. Five specific areas are designated as 'DEDICATED TO THE PUBLIC FOR PARK PURPOSES' (O.L. 2, O.L. 3, O.L. 4, O.L. 5) and one for 'STORM' (O.L. 1). A 'PHASE 2A LIMITS' boundary is indicated by a dashed line. A legend in the bottom left corner defines two types of surface paving: solid grey for areas under Contract No. 9663 and hatched patterns for areas under Contract No. 9662. A north arrow is located in the top right corner of the plan area.

OVERVIEW PLAN

HILL VALLEY PHASE 2A

15828

O-1

15828

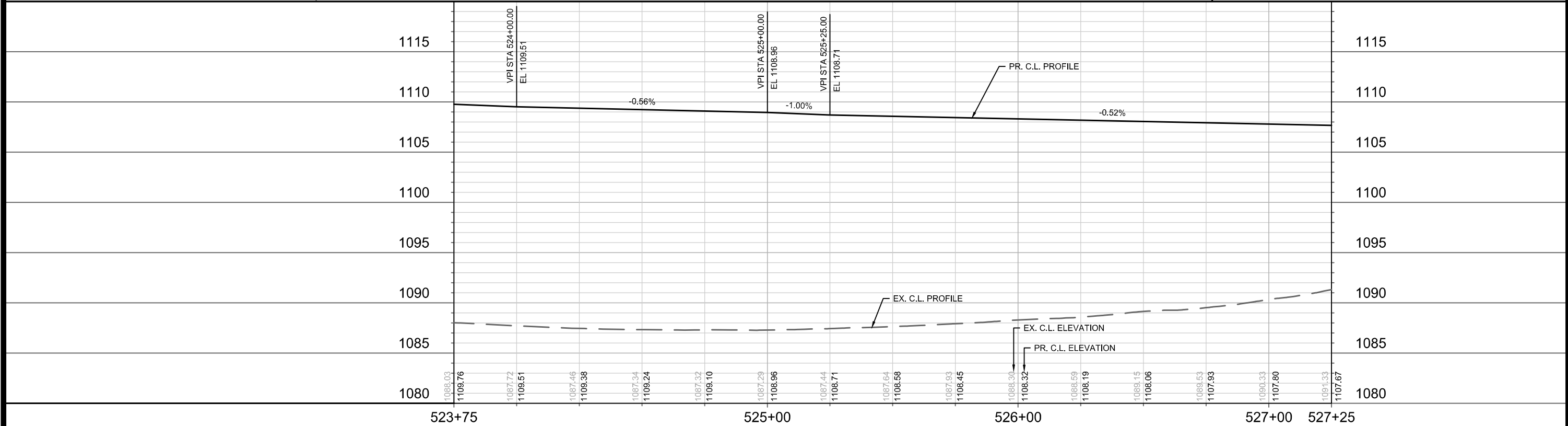
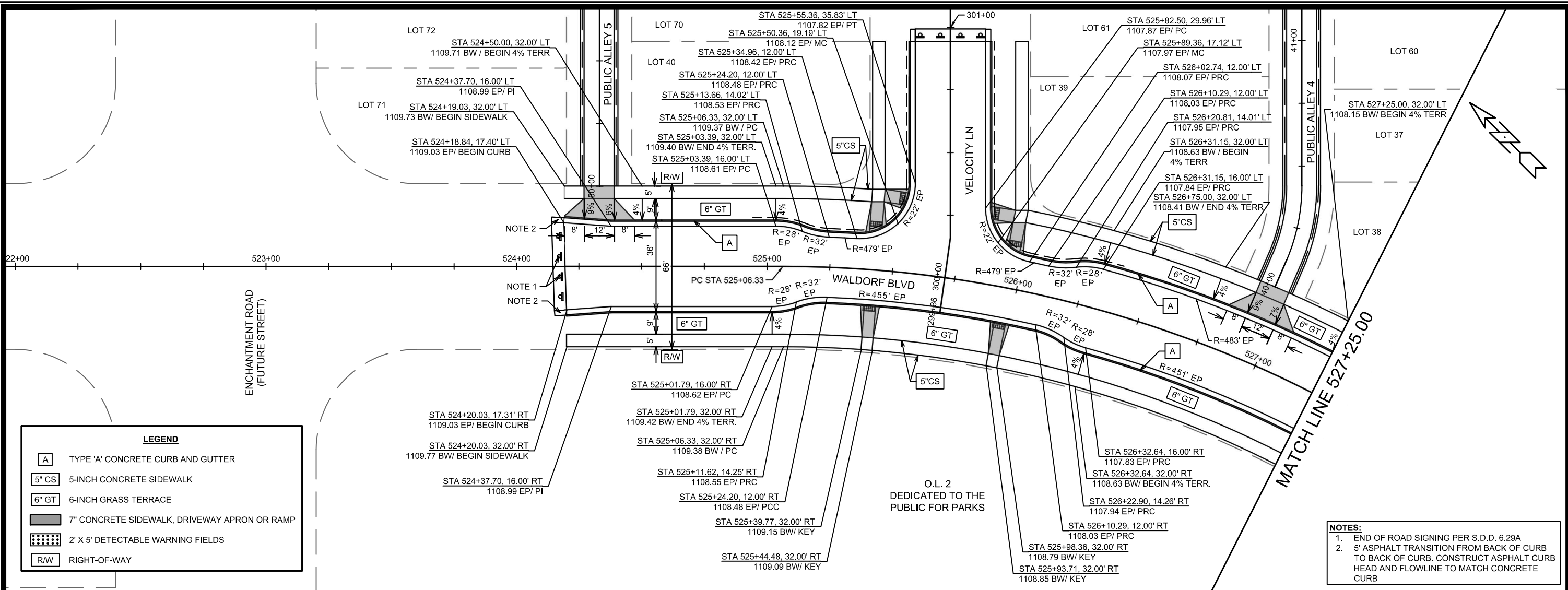
MADISON, WI

CONTRACT NO: 9662

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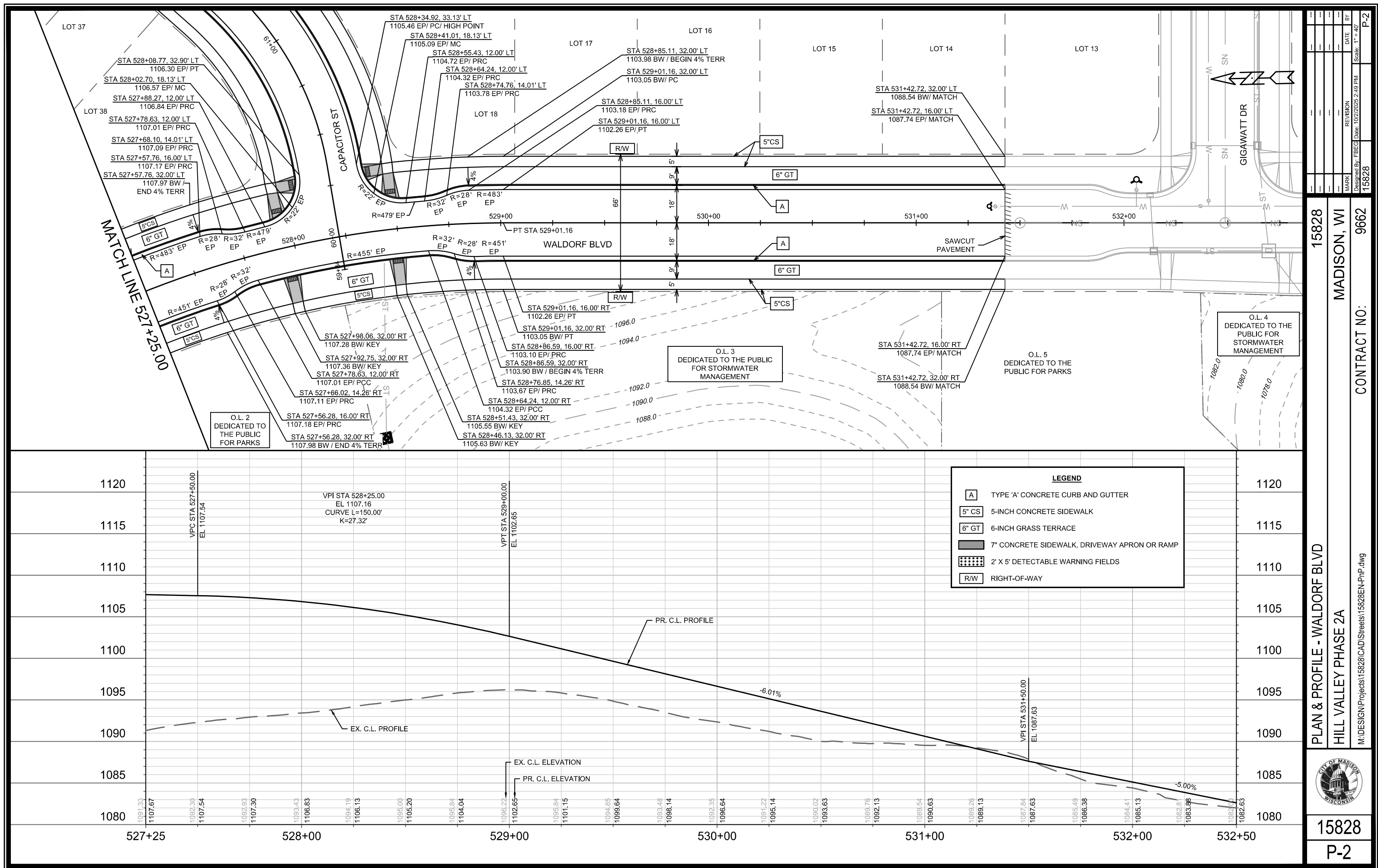
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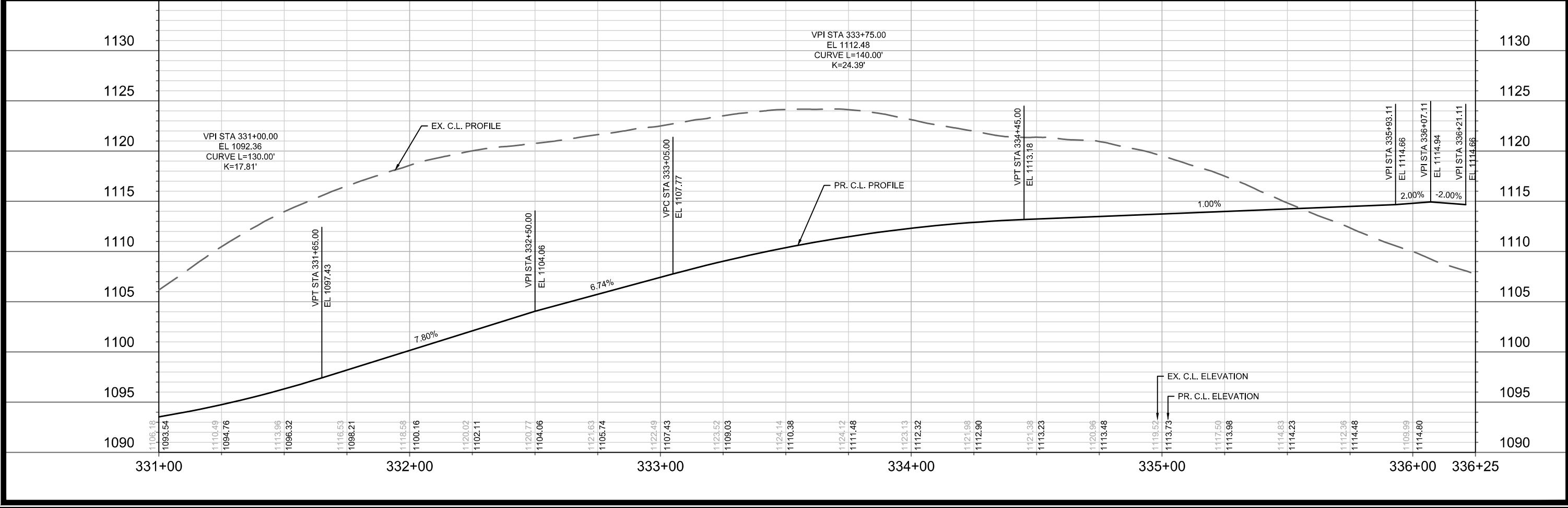
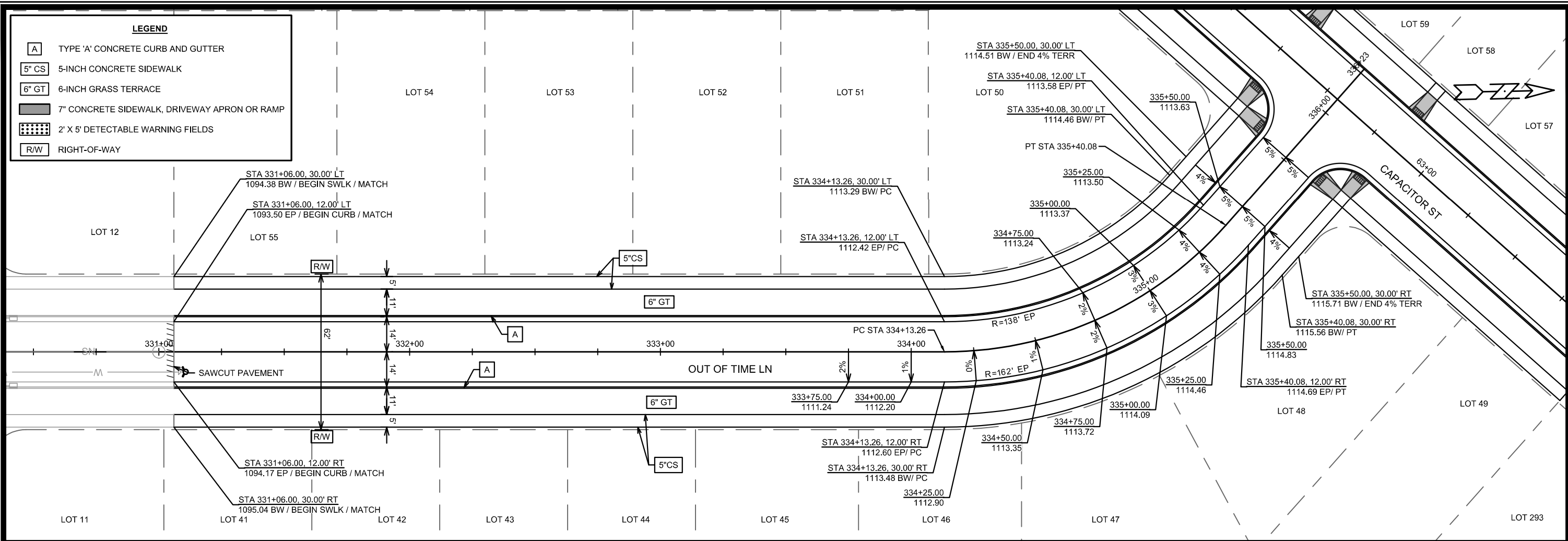


15828	MADISON, WI	9662	CONTRACT NO:
15828	15828EN-PnP.dwg	15828	15828

PLAN & PROFILE - WALDORF BLVD
HILL VALLEY PHASE 2A

15828
P-1





NO.	DATE	BY
1	10/2/2025	15828

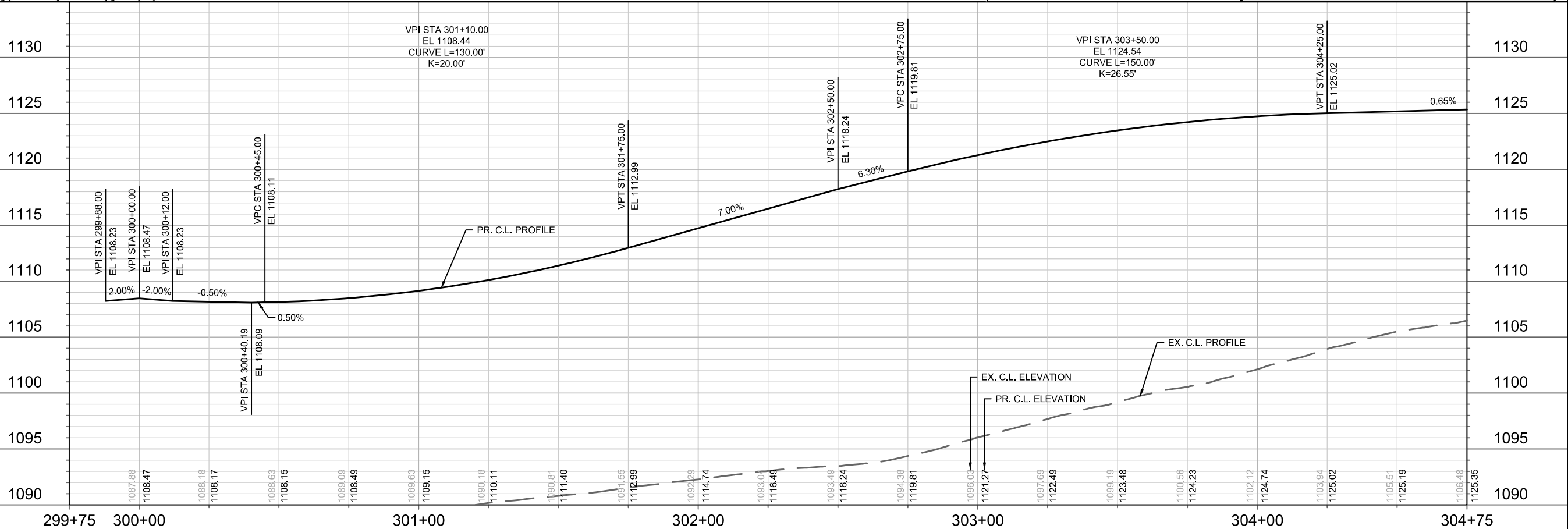
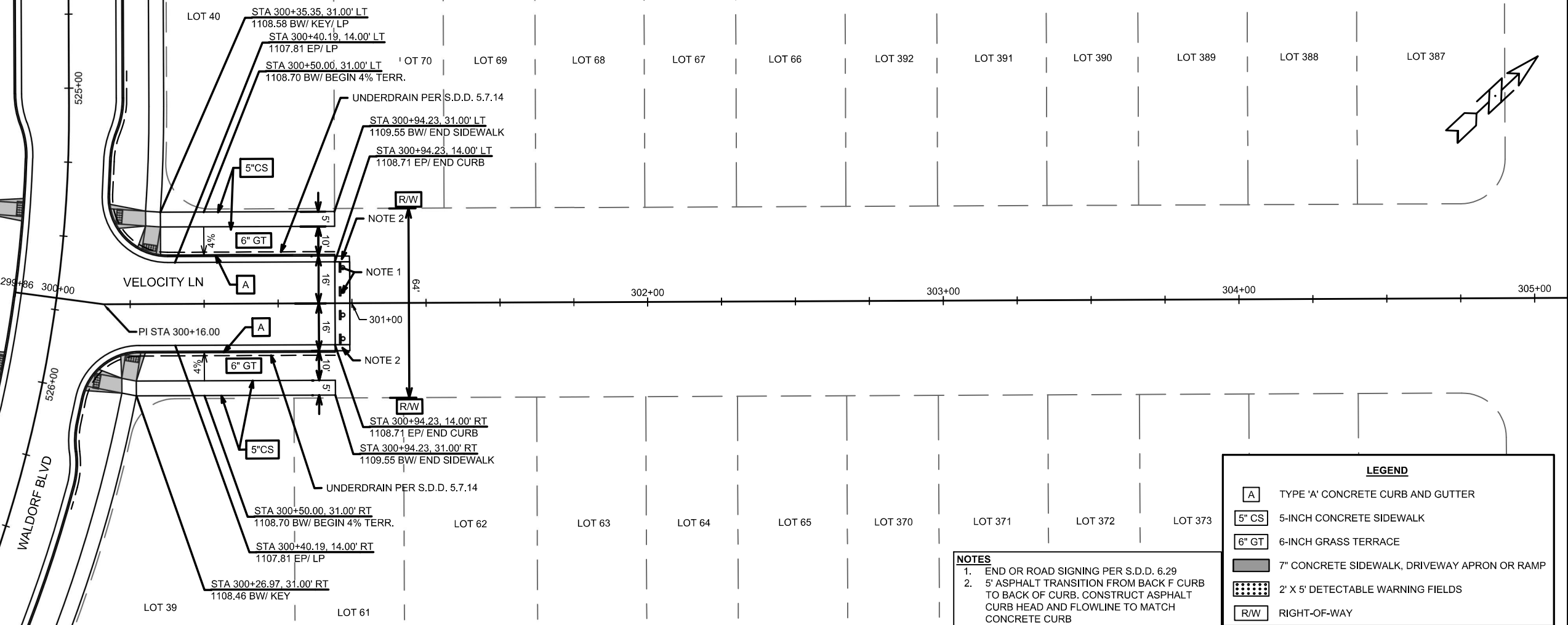
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MADISON, WI
CONTRACT NO: 9662
P-3

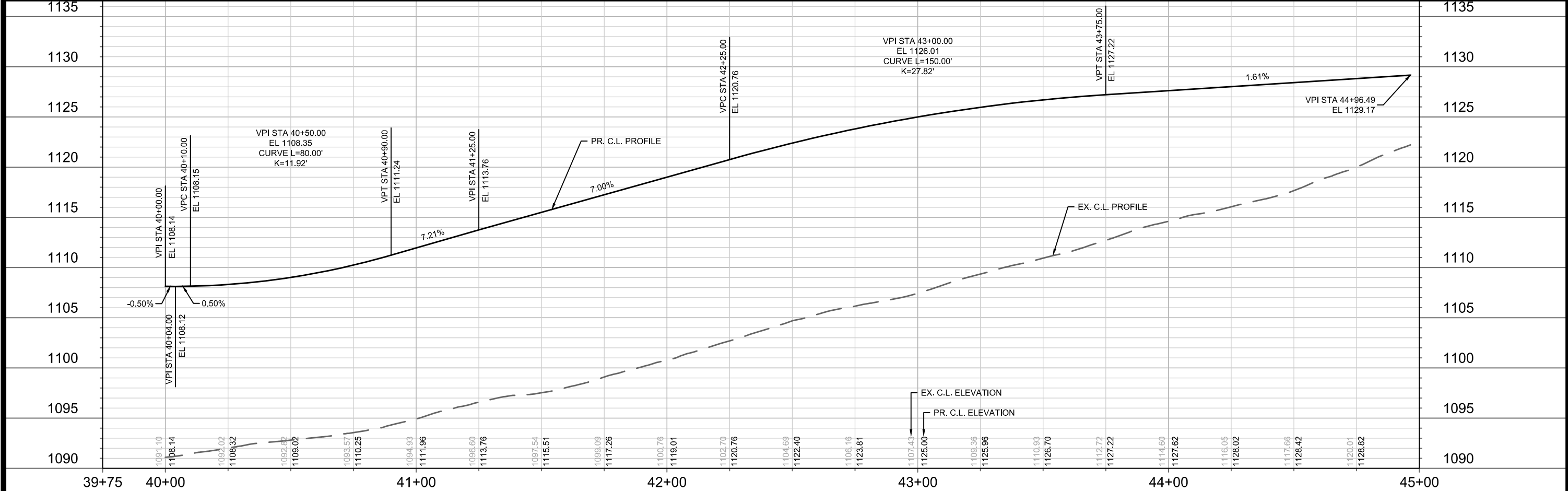
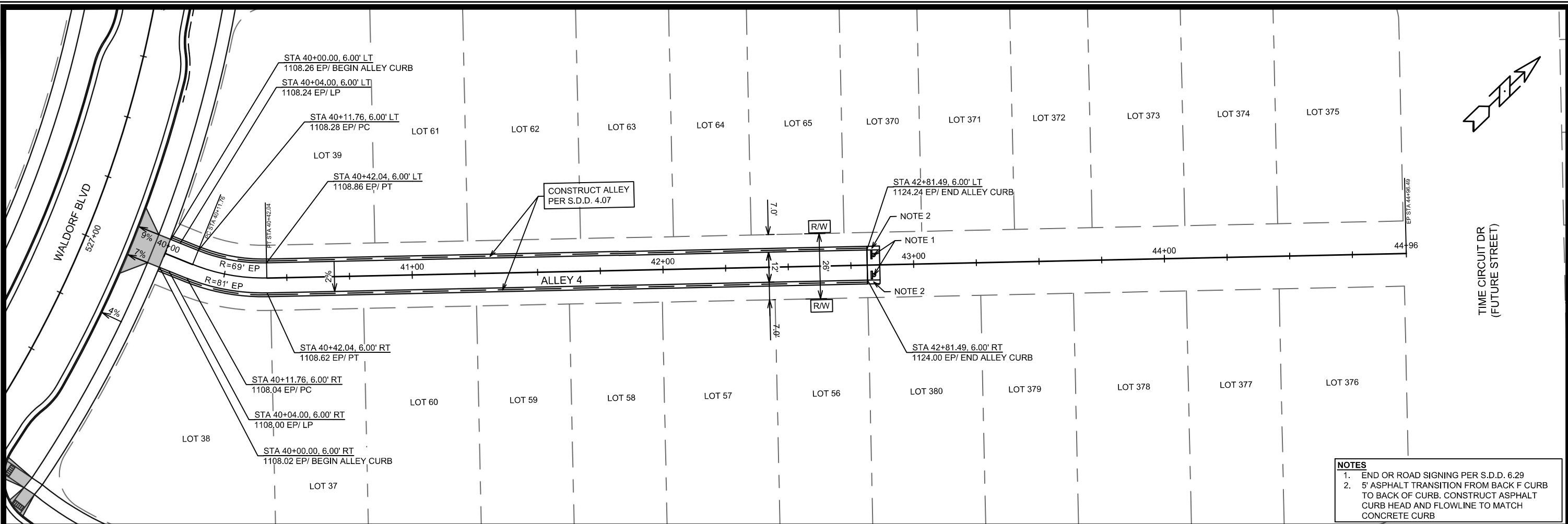
PLAN & PROFILE - OUT OF TIME LANE
HILL VALLEY PHASE 2A

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P-3

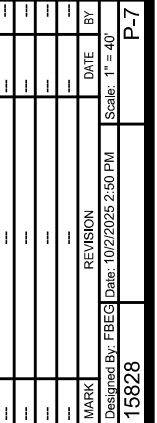
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DEDICATED TO THE
PUBLIC FOR PARKS





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PLAN & PROFILE - ALLEY 4		HILL VALLEY PHASE 2A		M:\DESIGN\Projects\15828\CAD\Streets\15828EN-PnP.dwg	
15828		P-6		P-6	

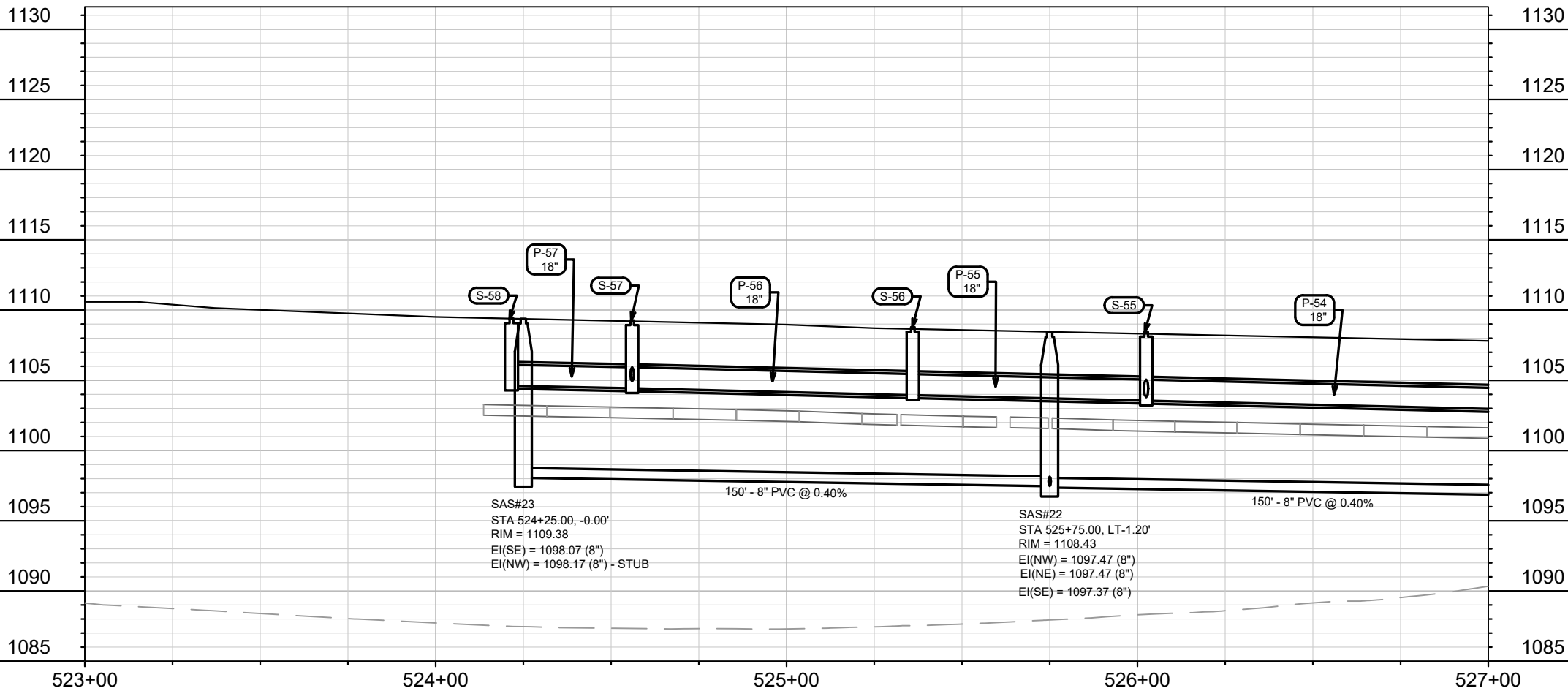
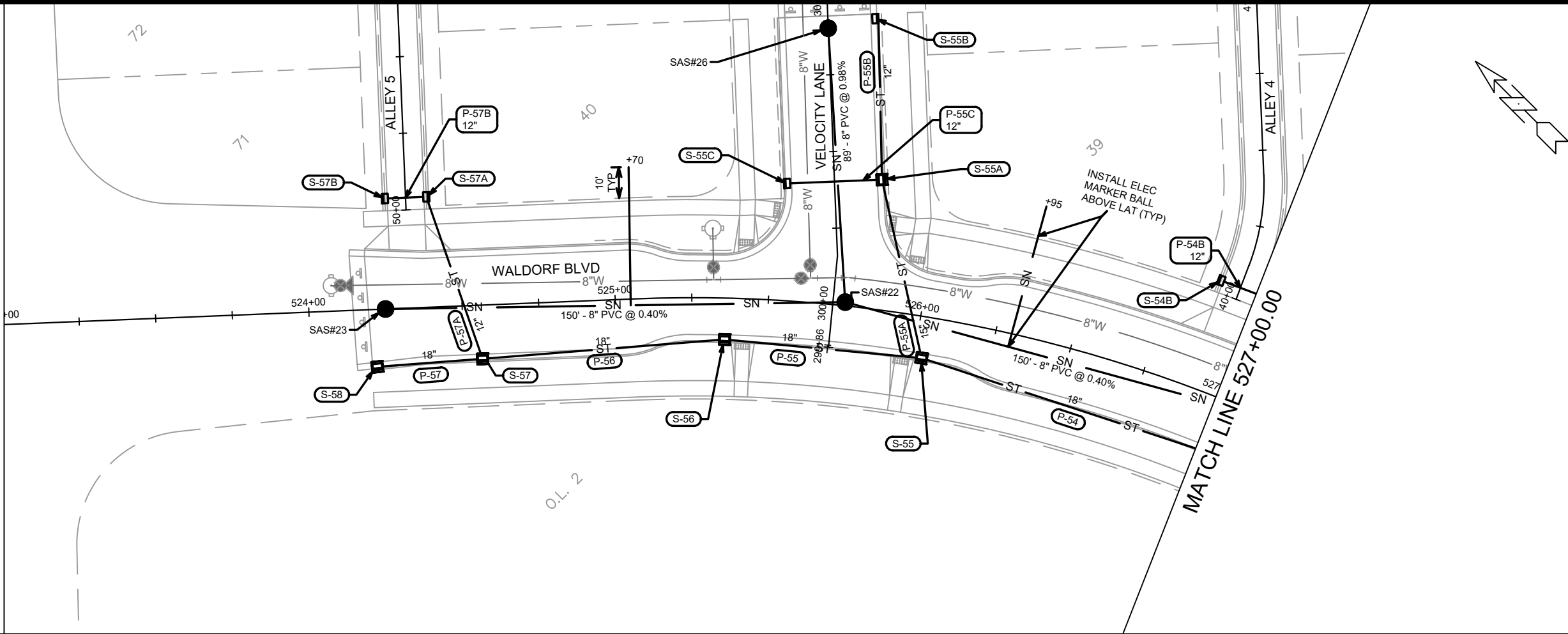
City of Madison Wisconsin



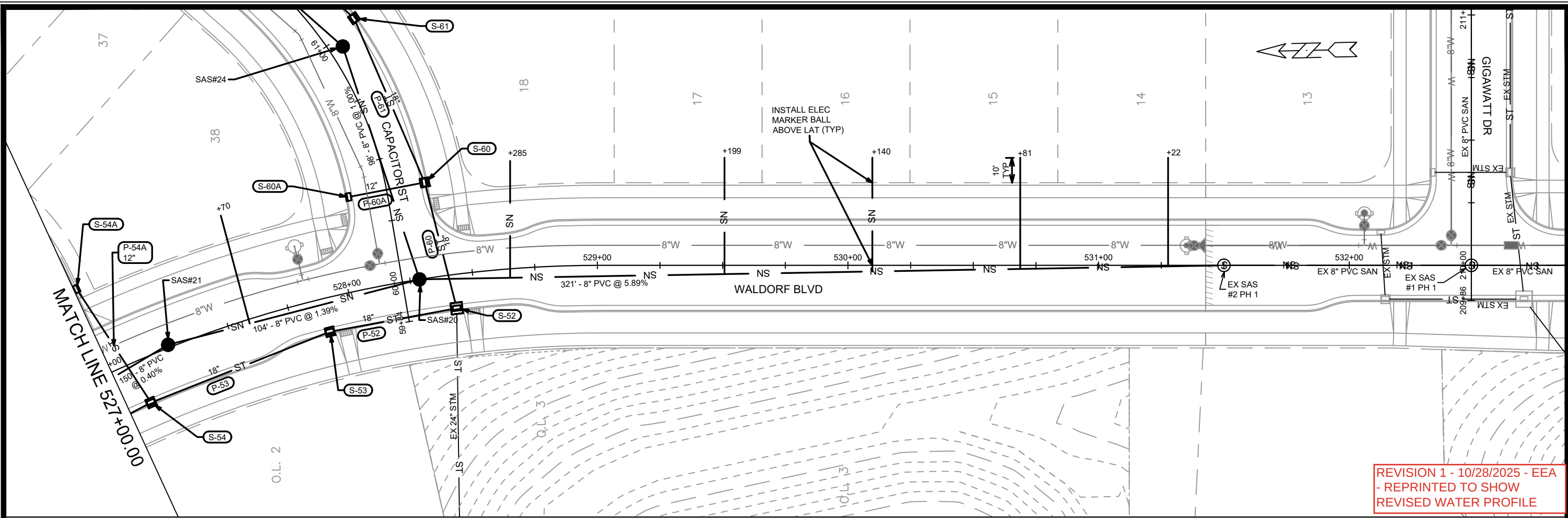
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HILL VALLEY PHASE 2A



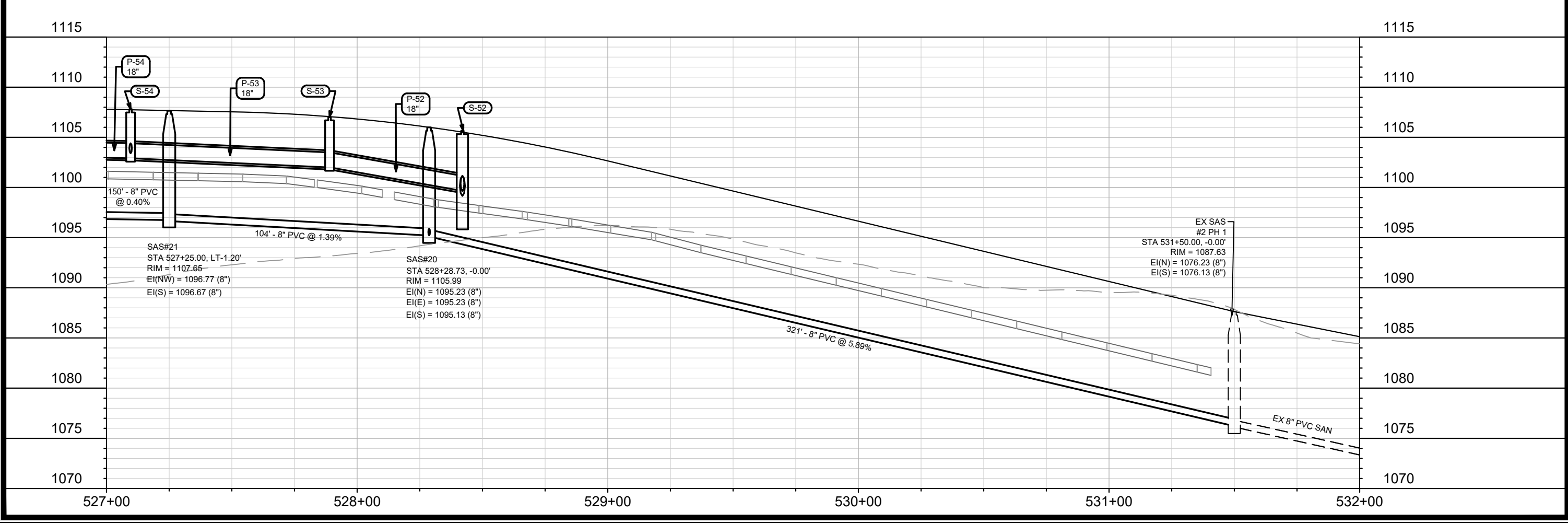
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- REPRINTED TO SHOW
REVISED WATER PROFILE



15828		MADISON, WI		9662	
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UTILITIES PLAN & PROFILE - WALDORF BLVD		HILL VALLEY PHASE 2A		15828	
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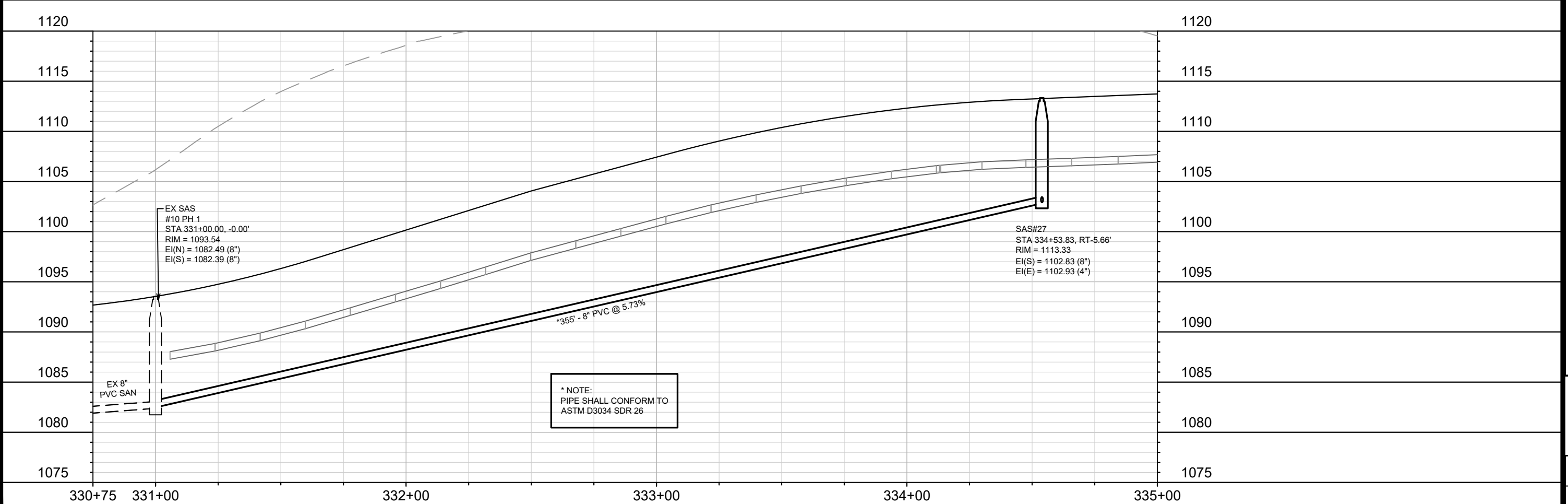
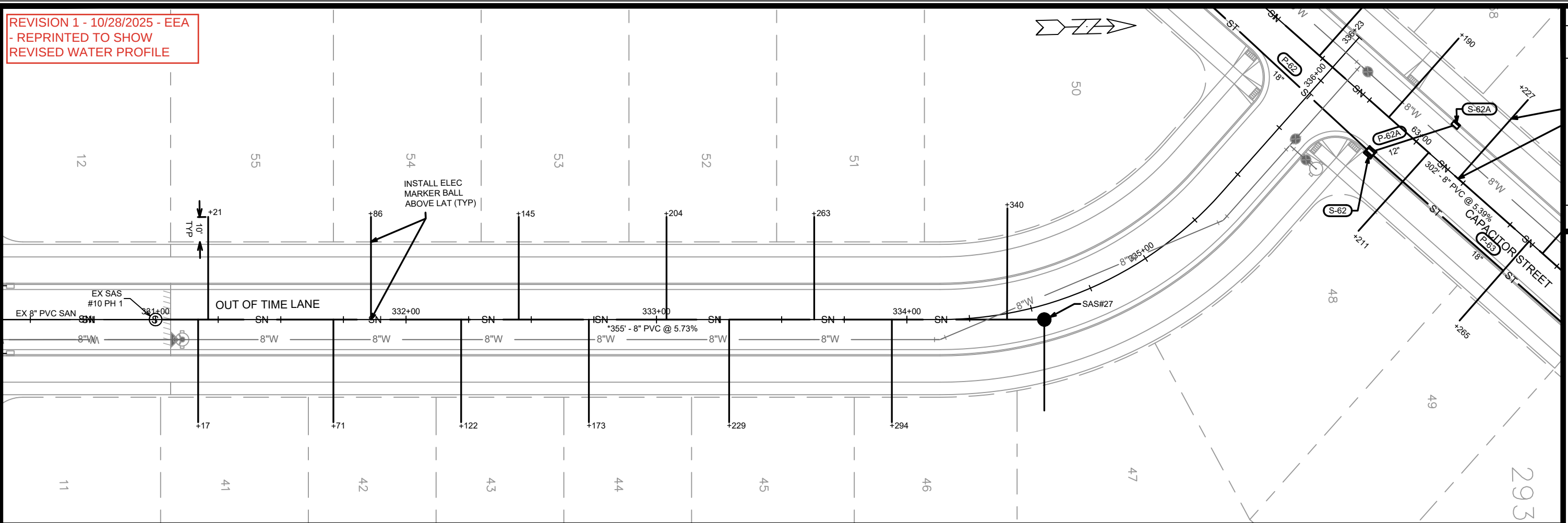
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- REPRINTED TO SHOW
REVISED WATER PROFILE



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15828
MADISON, WI
CONTRACT NO: 9662
UTILITIES PLAN & PROFILE - WALDORF BLVD
HILL VALLEY PHASE 2A
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CITY OF MADISON
15828
U-2

REVISION 1 - 10/28/2025 - EEA
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REVISED WATER PROFILE

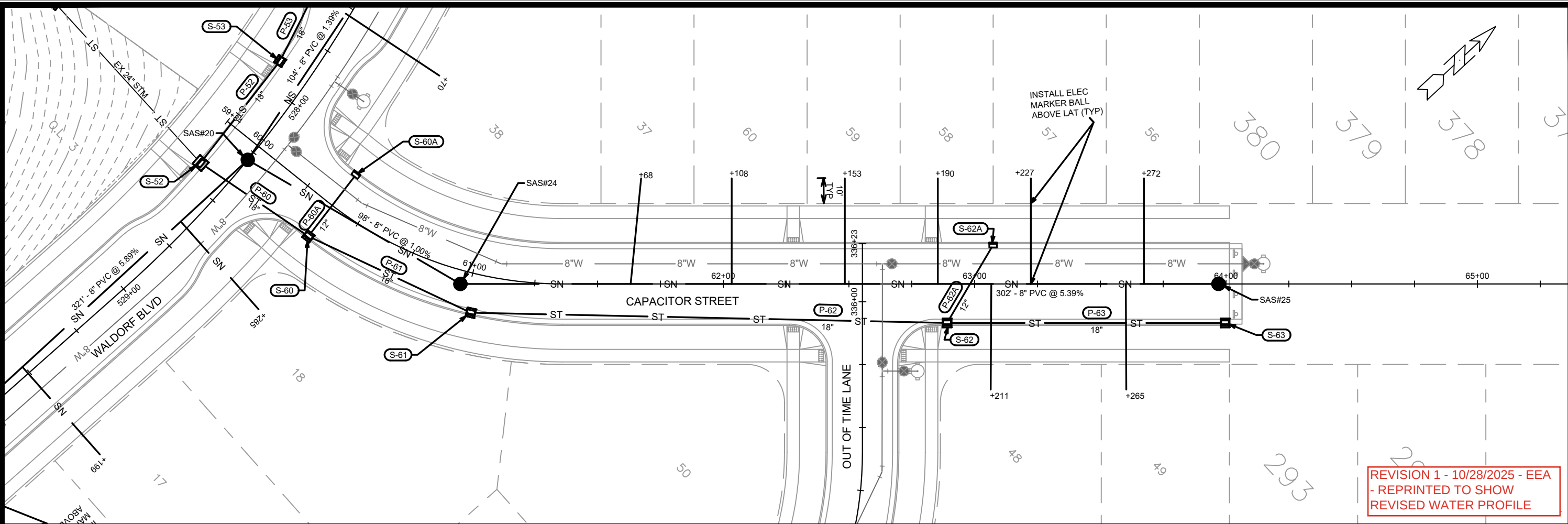


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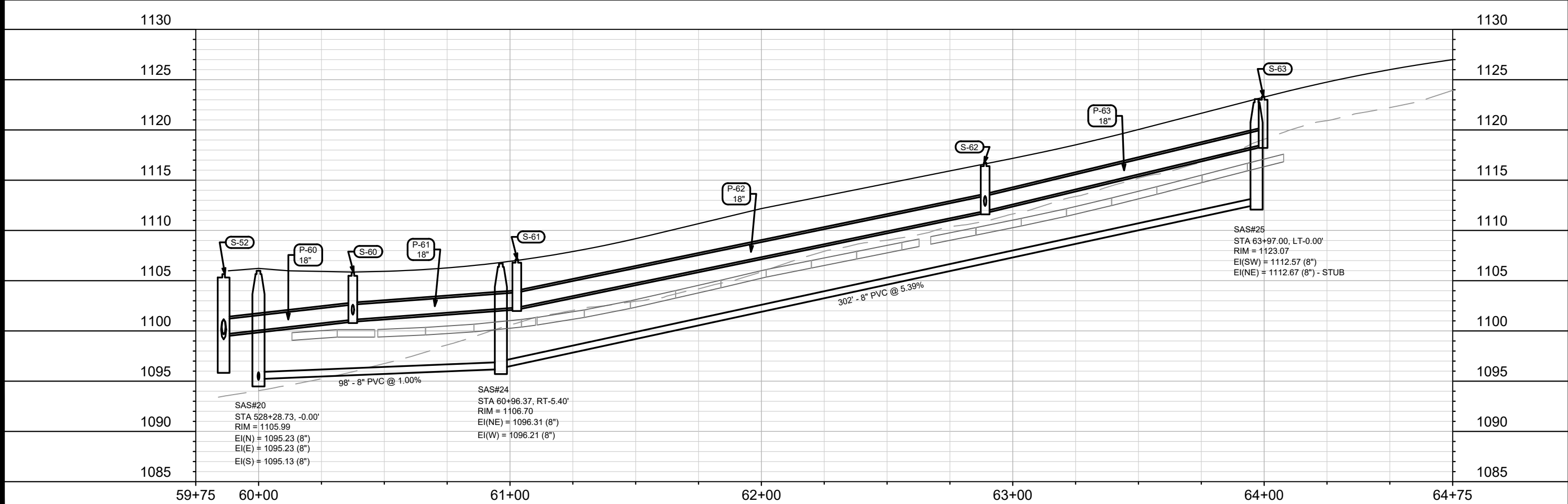
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HILL VALLEY PHASE 2A	MADISON, WI
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5828
U-3

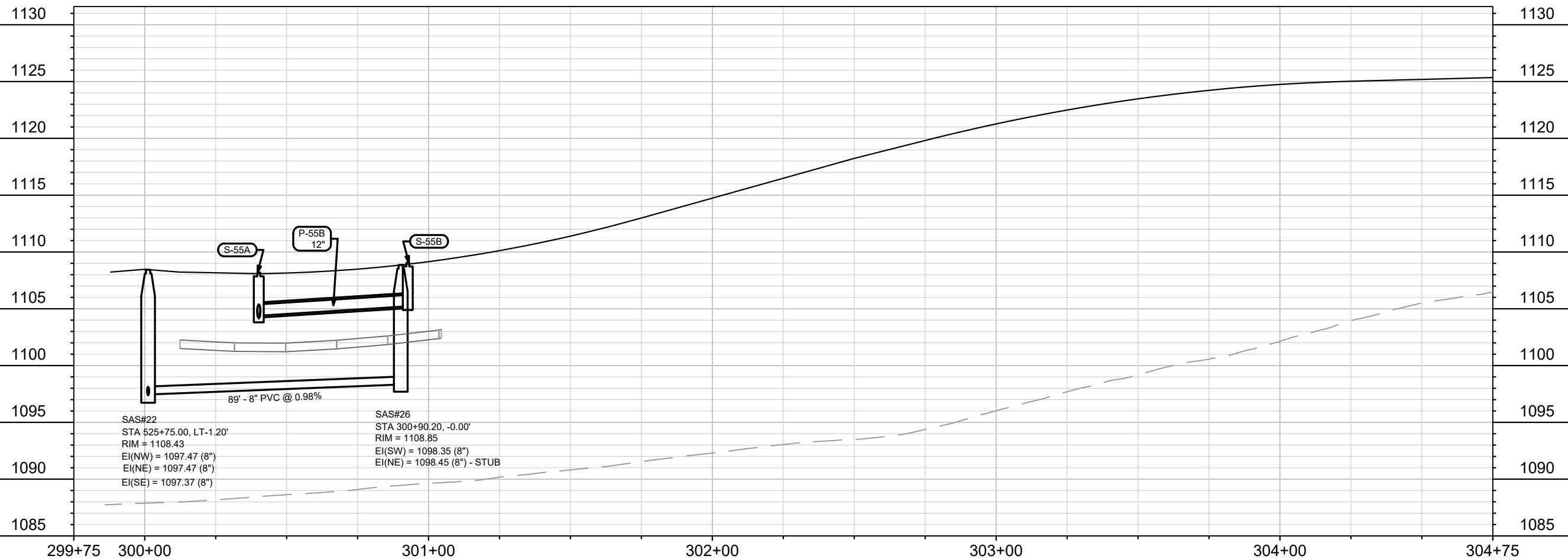


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- REPRINTED TO SHOW
REVISED WATER PROFILE



15828	MADISON, WI	9662	U-4
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UTILITIES PLAN & PROFILE - CAPACITOR STREET			
HILL VALLEY PHASE 2A			
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CITY OF MADISON WISCONSIN			
15828			
U-4			

REVISION 1 - 10/28/2025 - EEA
- REPRINTED TO SHOW
REVISED WATER PROFILE



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15828
MADISON, WI
CONTRACT NO: 9662
UTILITIES PLAN & PROFILE - VELOCITY LANE
HILL VALLEY PHASE 2A
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15828
U-5

SANITARY SEWER SCHEDULE

HILL VALLEY PH 2A
PROJECT NO. 15828

SHEET NO.
U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
<u>WALDORF BLVD</u>						
SAS#20	528+28.73	CL	1105.99	1095.13	10.86	-
SAS#21	527+25.00	LT-1.20	1107.65	1096.67	10.98	-
SAS#22	525+75.00	LT-1.20	1108.43	1097.37	11.06	-
SAS#23	524+25.00	CL	1109.38	1098.07	11.31	-

CAPACITOR STREET

SAS#24	60+96.37	RT-5.40	1106.70	1096.21	10.49	-
SAS#25	63+97.00	CL	1123.07	1112.57	10.50	-

VELOCITY LANE

SAS#26	300+90.20	CL	1108.85	1098.35	10.50	-
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OUT OF TIME LANE

SAS#27	334+53.83	RT-5.66	1113.33	1102.83	10.50	-
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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
<u>WALDORF BLVD</u>								
EX SAS#2 PH 1	SAS#20	1076.23	1095.13	321	5.89%	8"	SDR-35	-
SAS#20	SAS#21	1095.23	1096.67	104	1.39%	8"	SDR-35	-
SAS#21	SAS#22	1096.77	1097.37	150	0.40%	8"	SDR-35	-
SAS#22	SAS#23	1097.47	1098.07	150	0.40%	8"	SDR-35	-
<u>CAPACITOR STREET</u>								
SAS#20	SAS#24	1095.23	1096.21	98	1.00%	8"	SDR-35	-
SAS#24	SAS#25	1096.31	1112.57	302	5.39%	8"	SDR-35	-
<u>NUCLEAR LANE</u>								
SAS#22	SAS#26	1097.47	1098.35	89	0.98%	8"	SDR-35	-
<u>OUT OF TIME LANE</u>								
EX SAS#10 PH 1	SAS#27	1082.49	1102.83	355	5.73%	8"	SDR-26	-

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 PH 2A	SHEET NO.
PROJECT NO. 15828	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
WALDORF BLVD							
S-52	528+42.00	RT-13.50	4X4 SAS W/ 3FT SUMP	1105.66	1099.16	6.50	W/ R-3067-7004-V; PER SDD 5.7.4;(2)
S-53	527+89.00	RT-13.50	3X3 SAS	1107.20	1102.00	5.20	W/ R-3067-7004-V
S-54	527+09.60	RT-17.50	3X3 SAS	1107.81	1102.91	4.90	W/ R-3067-7004-V
S-55	526+02.50	RT-13.50	3X3 SAS	1108.45	1103.55	4.90	W/ R-3067-7004-V
S-56	525+36.00	RT-13.50	3X3 SAS	1108.79	1103.94	4.85	W/ R-3067-7004-V
S-57	524+56.00	RT-17.50	3X3 SAS	1109.26	1104.43	4.83	W/ R-3067-7004-V
S-58	524+21.60	RT-18.70	3X3 SAS	1109.41	1104.61	4.80	W/ R-3067-7004-V

ALLEY O4

S-54A	40+04.00	RT-6.75	H INLET	1108.06	1104.56	3.50	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-54B	40+04.00	LT-6.75	H INLET	1108.32	1104.92	3.40	LP; W/ R-3362-L; PER SDD 5.7.33; (1)

VELOCITY LANE

S-55A	300+40.19	RT-15.50	3X3 SAS	1108.19	1104.14	4.05	LP; W/ R-3067-7004-VB
S-55B	300+92.69	RT-15.50	H INLET	1109.02	1105.22	3.80	W/ R-3067-7004-V
S-55C	300+40.19	LT-15.50	H INLET	1108.19	1104.79	3.40	LP; W/ R-3067-7004-VB

ALLEY O5

S-57A	50+04.00	RT-6.75	H INLET	1109.35	1105.95	3.40	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-57B	50+04.00	LT-6.75	H INLET	1109.59	1106.19	3.40	LP; W/ R-3362-L; PER SDD 5.7.33; (1)

CAPACITOR STREET

S-60	60+37.47	RT-15.50	3X3 SAS	1105.82	1101.12	4.70	LP; W/ R-3067-7004-VB
S-60A	60+37.47	LT-15.50	H INLET	1106.66	1103.06	3.60	LP; W/ R-3067-7004-VB
S-61	61+02.70	RT-15.50	3X3 SAS	1107.12	1102.32	4.80	W/ R-3067-7004-V
S-62	62+89.00	RT-15.50	3X3 SAS	1116.73	1111.93	4.80	W/ R-3067-7004-V
S-62A	63+07.35	LT-15.50	H INLET	1117.67	1114.27	3.40	W/ R-3067-7004-V
S-63	63+99.60	RT-15.50	3X3 SAS	1123.34	1118.54	4.80	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-52	S-52	S-53	1099.66	1102.00	51	48	4.87%	18"	TYPE II	-
P-53	S-53	S-54	1102.00	1102.91	77	74	1.23%	18"	TYPE II	-
P-54	S-54	S-55	1102.91	1103.55	103	100	0.64%	18"	TYPE II	-
P-55	S-55	S-56	1103.55	1103.94	65	62	0.63%	18"	TYPE II	-
P-56	S-56	S-57	1103.94	1104.43	79	76	0.64%	18"	TYPE II	-
P-57	S-57	S-58	1104.43	1104.61	34	31	0.58%	18"	TYPE II	-

ALLEY O4

P-54A	S-54	S-54A	1103.41	1104.56	54	51	2.25%	12"	TYPE I	-
P-54B	S-54A	S-54B	1104.56	1104.92	14	12	3.00%	12"	TYPE I	-

VELOCITY LANE

P-55A	S-55	S-55A	1103.80	1104.14	60	56	0.61%	15"	TYPE I	-
P-55B	S-55A	S-55B	1104.39	1105.22	53	53	1.57%	12"	TYPE II	-
P-55C	S-55A	S-55C	1104.39	1104.79	31	29	1.38%	12"	TYPE I	-

ALLEY O5

P-57A	S-57	S-57A	1104.93	1105.95	56	53	1.92%	12"	TYPE I	-
P-57B	S-57A	S-57B	1105.95	1106.19	14	12	2.00%	12"	TYPE I	-

CAPACITOR STREET

P-60	S-52	S-60	1099.66	1101.12	52	48	3.04%	18"	TYPE I	-
P-60A	S-60	S-60A	1101.62	1103.06	31	29	4.97%	12"	TYPE I	-
P-61	S-60	S-61	1101.12	1102.32	71	68	1.76%	18"	TYPE I	-
P-62	S-61	S-62	1102.32	1111.93	190	187	5.14%	18"	TYPE I	-
P-62A	S-62	S-62A	1112.43	1114.27	36	33	5.58%	12"	TYPE I	-
P-63	S-62	S-63	1111.93	1118.54	111	108	6.12%	18"	TYPE II	-

SPECIFIC NOTES:

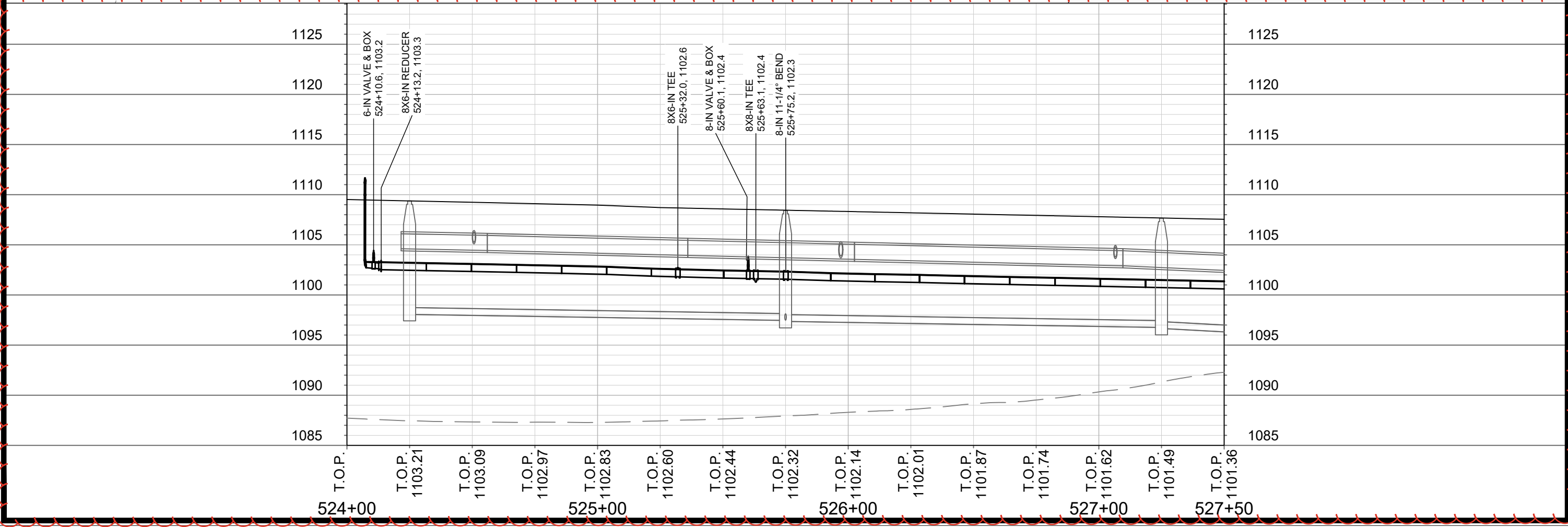
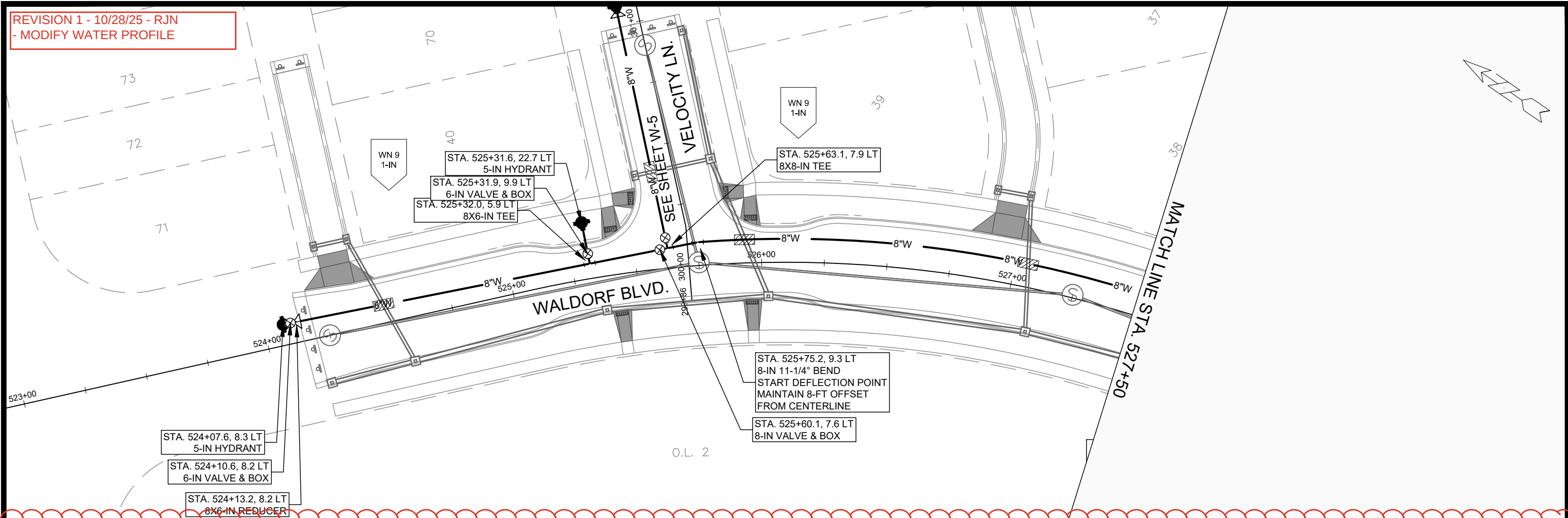
- (1) TC IS AT FLOWLINE; STATIONING IS TO CENTER OF STRUCTURE
- (2) CONNECT EXISTING 24" PIPE TO WEST AT EI= 1099.16

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

REVISION 1 - 10/28/25 - RJN
- MODIFY WATER PROFILE



15828

MADISON, WI

CONTRACT NO: 9662

WATER PLAN AND PROFILE - WALDORF BLVD

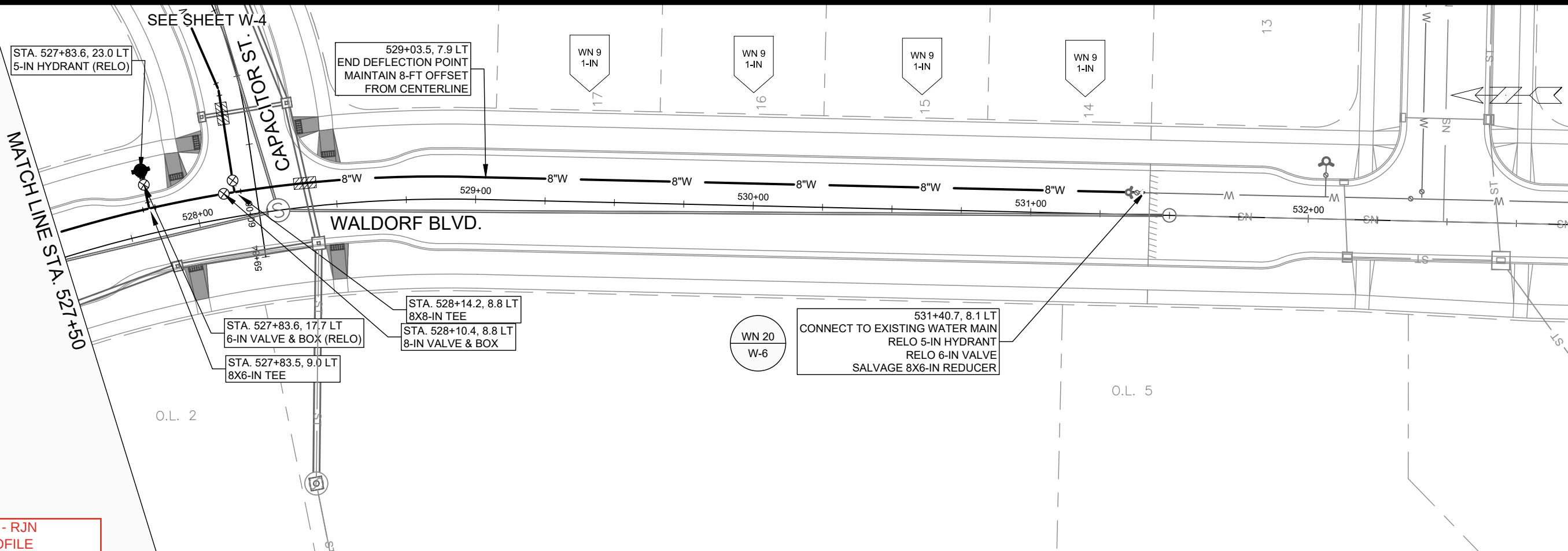
HILL VALLEY PHASE 2A

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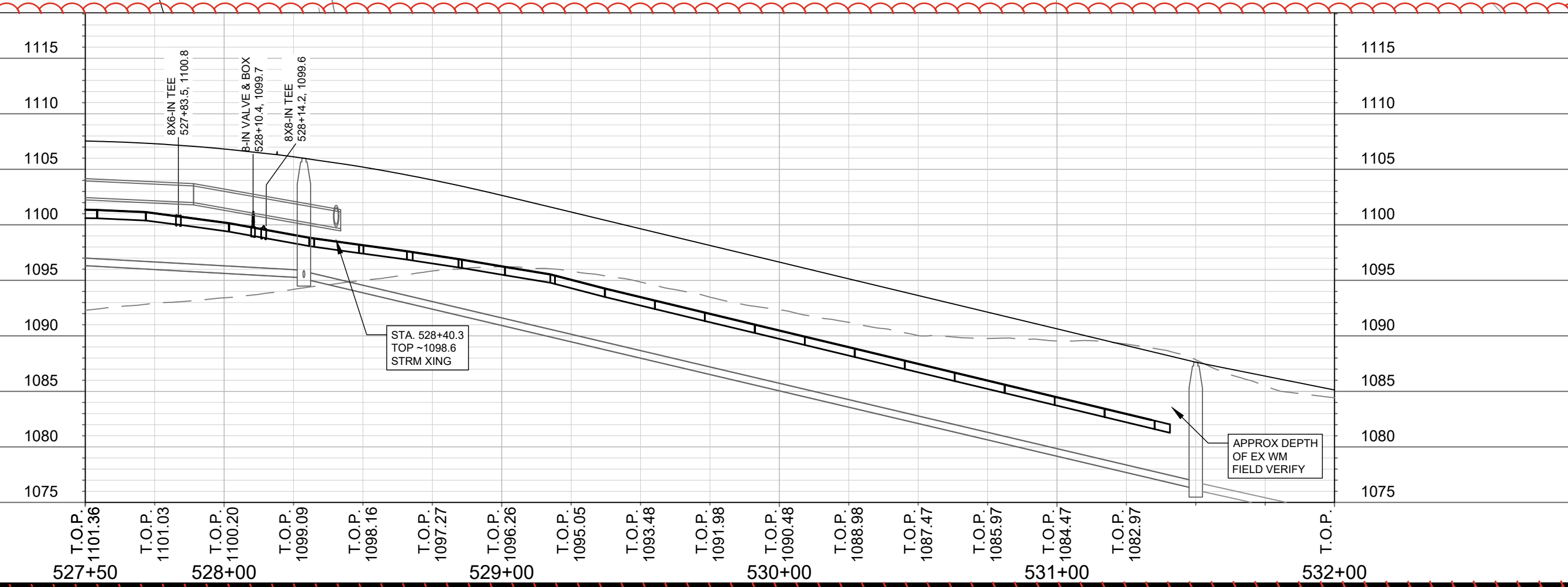
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W-1

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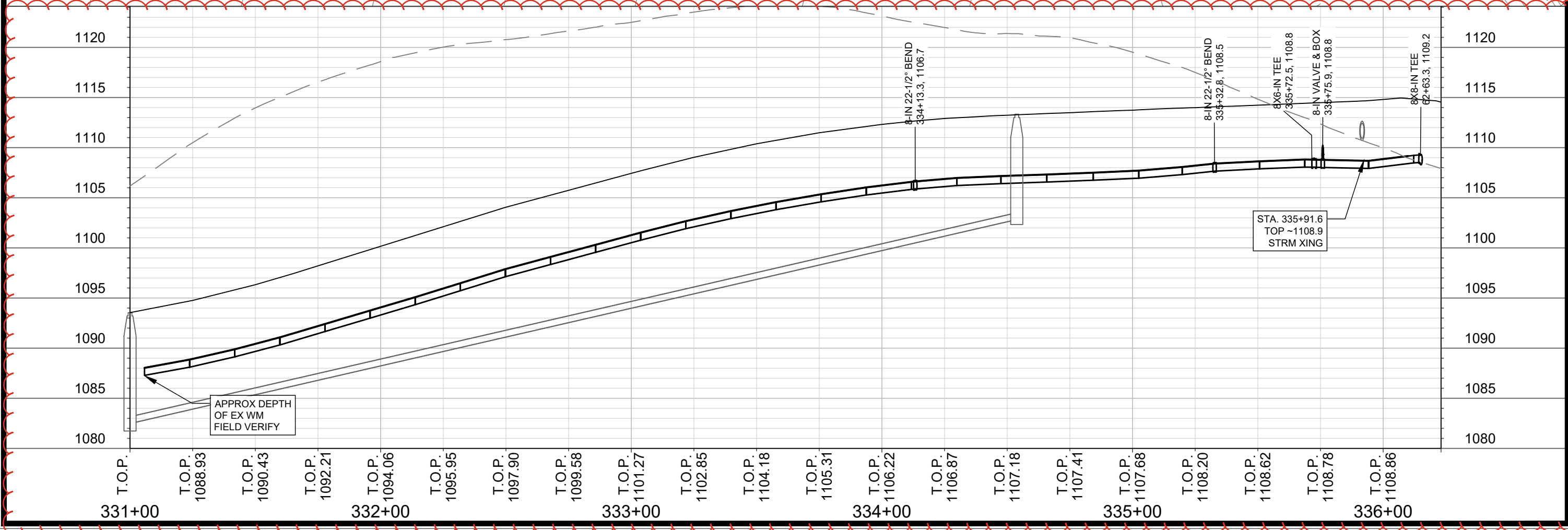
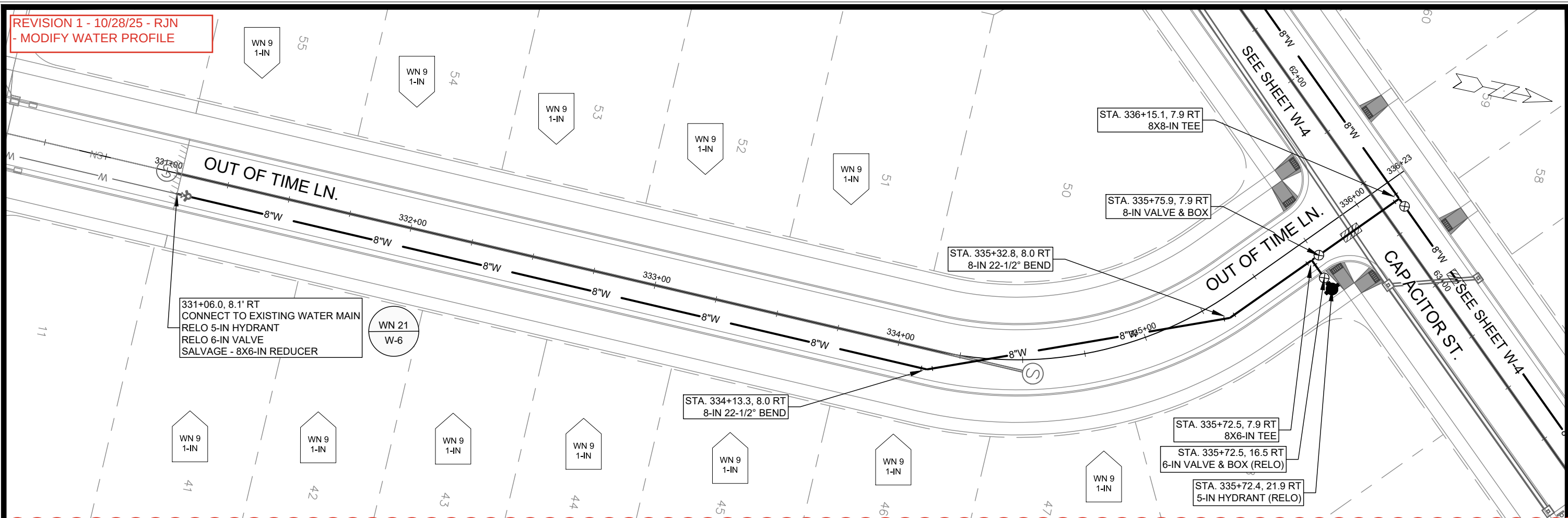


REVISION 1 - 10/28/25 - RJN
- MODIFY WATER PROFILE



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WATER PLAN AND PROFILE - WALDORF BLVD		HILL VALLEY PHASE 2A		15828	
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REVISION 1 - 10/28/25 - RJN
- MODIFY WATER PROFILE



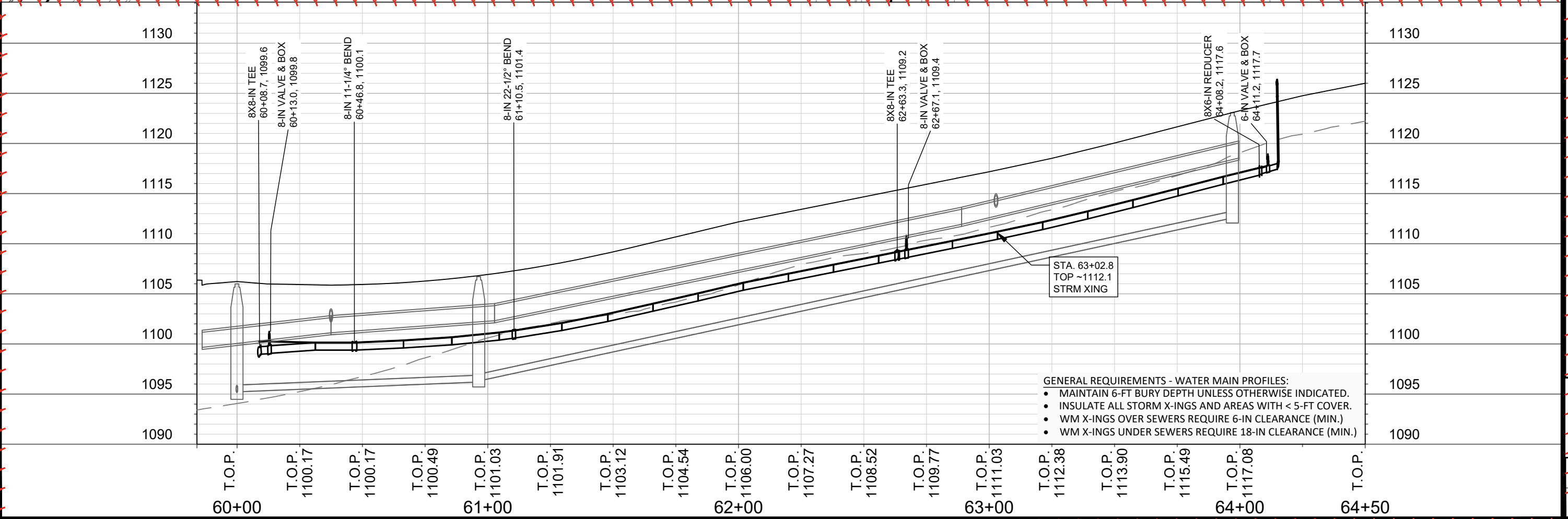
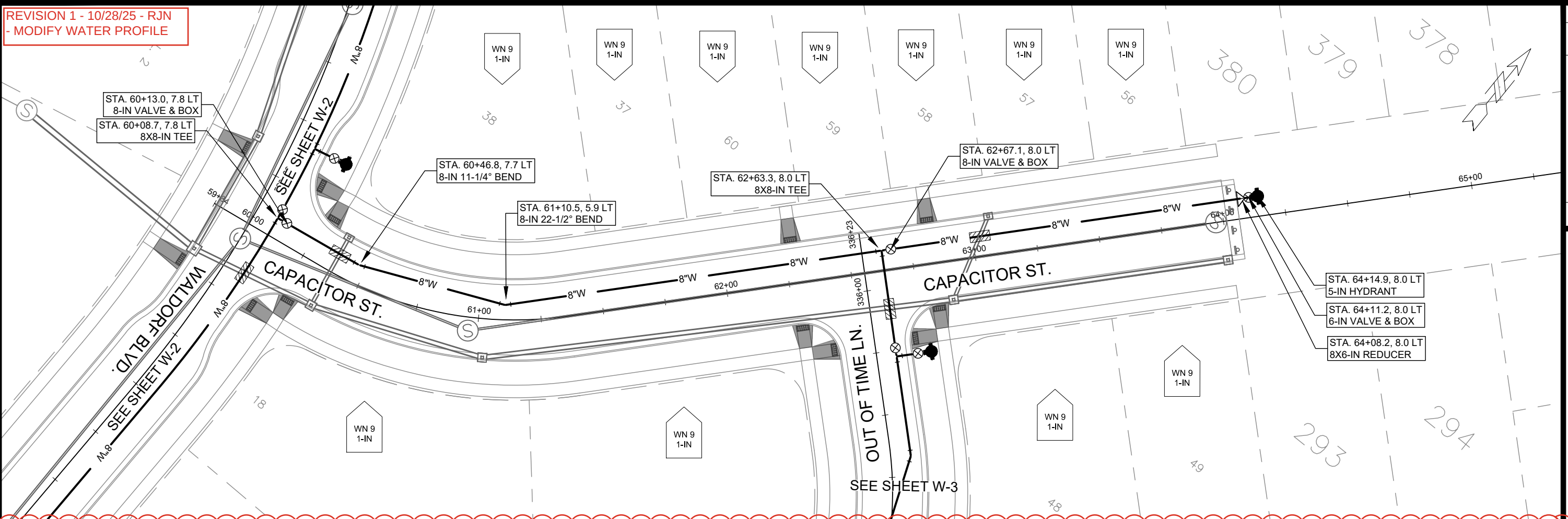
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HILL VALLEY PHASE 2A		MADISON, WI		CONTRACT NO: 9662	
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W-3		MADISON, WI		CONTRACT NO: 9662	

WATER PLAN AND PROFILE - OUT OF TIME LN

15828

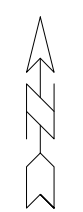
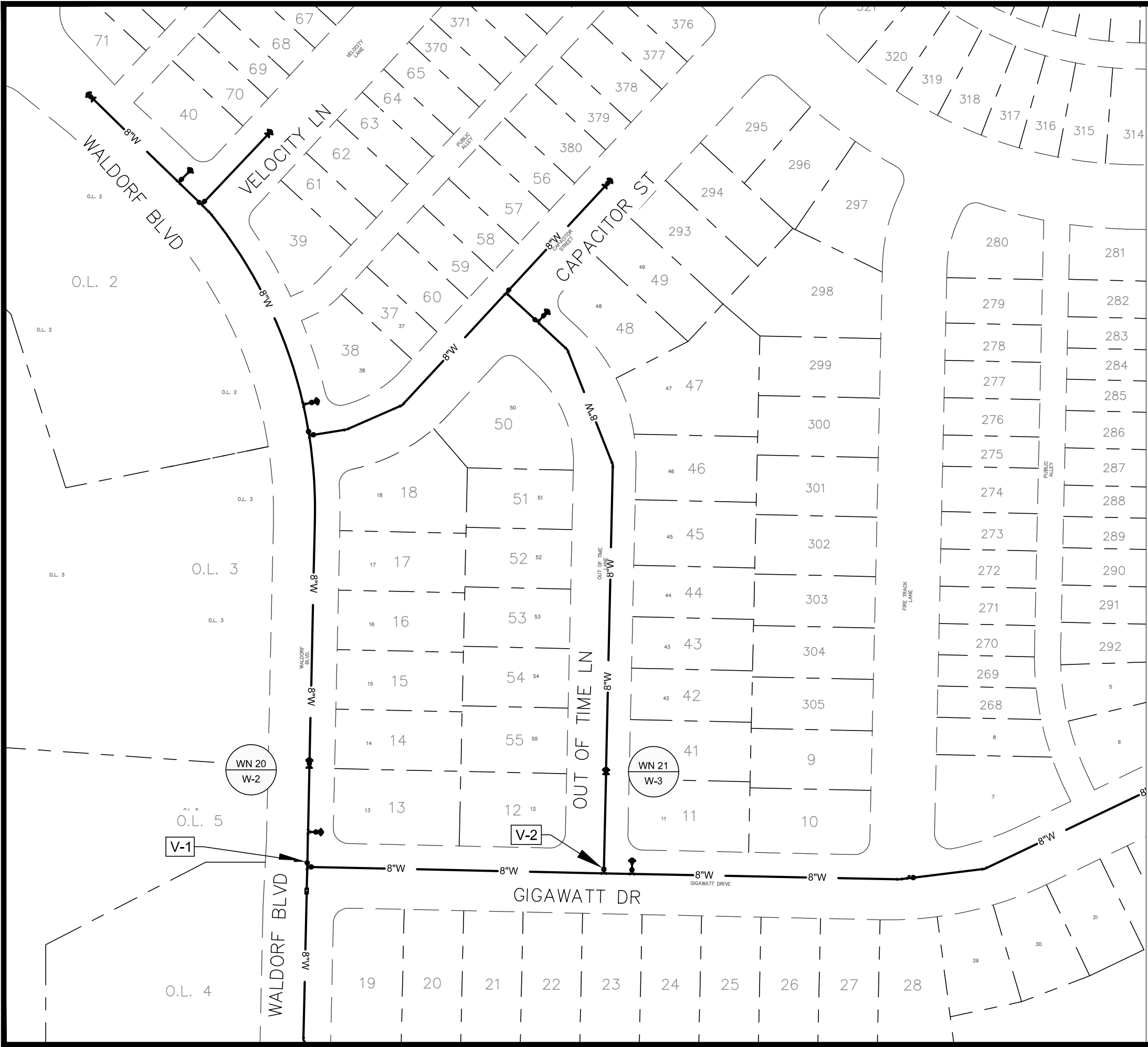
W-3

REVISION 1 - 10/28/25 - RJN
- MODIFY WATER PROFILE



- GENERAL REQUIREMENTS - WATER MAIN PROFILES:
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

15828	MADISON, WI	9662	15828	W-4
WATER PLAN AND PROFILE - CAPACITOR ST				
HILL VALLEY PHASE 2A				
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15828				
W-4				



1" = 100'



- WN 20: CONNECT TO EXISTING WM.
ISOLATION VALVES:
- V-1 (GIGAWATT DR & WALDORF BLVD)
PROVIDE NOTICE:
- 13 WALDORF BLVD
- WN 21: CONNECT TO EXISTING WM.
ISOLATION VALVES:
- V-2 (GIGAWATT DR & OUT OF TIME LN)
PROVIDE NOTICE:
- 11, 12 OUT OF TIME LN

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.

WATER IMPACT PLAN		15828		BY	
HILL VALLEY PHASE 2A		MADISON, WI		DATE	
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				Designd By: RJN	
				Date: 9/30/2025 12:09 PM	
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				W-6	

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

***ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

DESCRIPTION	QUANTITY	UNIT
FURNISH AND INSTALL 6 INCH PIPE & FITTINGS	80	LNFT
FURNISH AND INSTALL 8 INCH PIPE & FITTINGS	1700	LNFT
FURNISH AND INSTALL 6-INCH WATER VALVE	4	EACH
FURNISH AND INSTALL 8-INCH WATER VALVE	6	EACH
FURNISH, INSTALL AND SALVAGE HYDRANT	4	EACH
FURNISH AND INSTALL 1 INCH SERVICE LATERALS	29	EACH
CJT-IN OR CONNECT TO EXISTING WATER SYSTEM	2	EACH
STYROFOAM INSULATION BOARDS	10	EACH
8-IN 45° BEND	2	EACH
8-IN 22-1/2° BEND	3	EACH
8-IN 11-1/4° BEND	2	EACH
8X6-IN REDUCER	3	EACH
8X6-IN TEE	3	EACH
8X8-IN TEE	3	EACH

*ESTIMATE OF MATERIALS SALVAGED & REUSED:

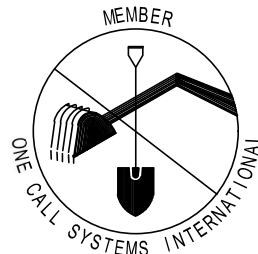
5-IN HYDRANT	2	RELOCATE
8X6-IN REDUCER	2	SALVAGE
6-IN VALVE	2	REUSE

* 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
(FOR HEARING IMPAIRED) 1-800-542-2289

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

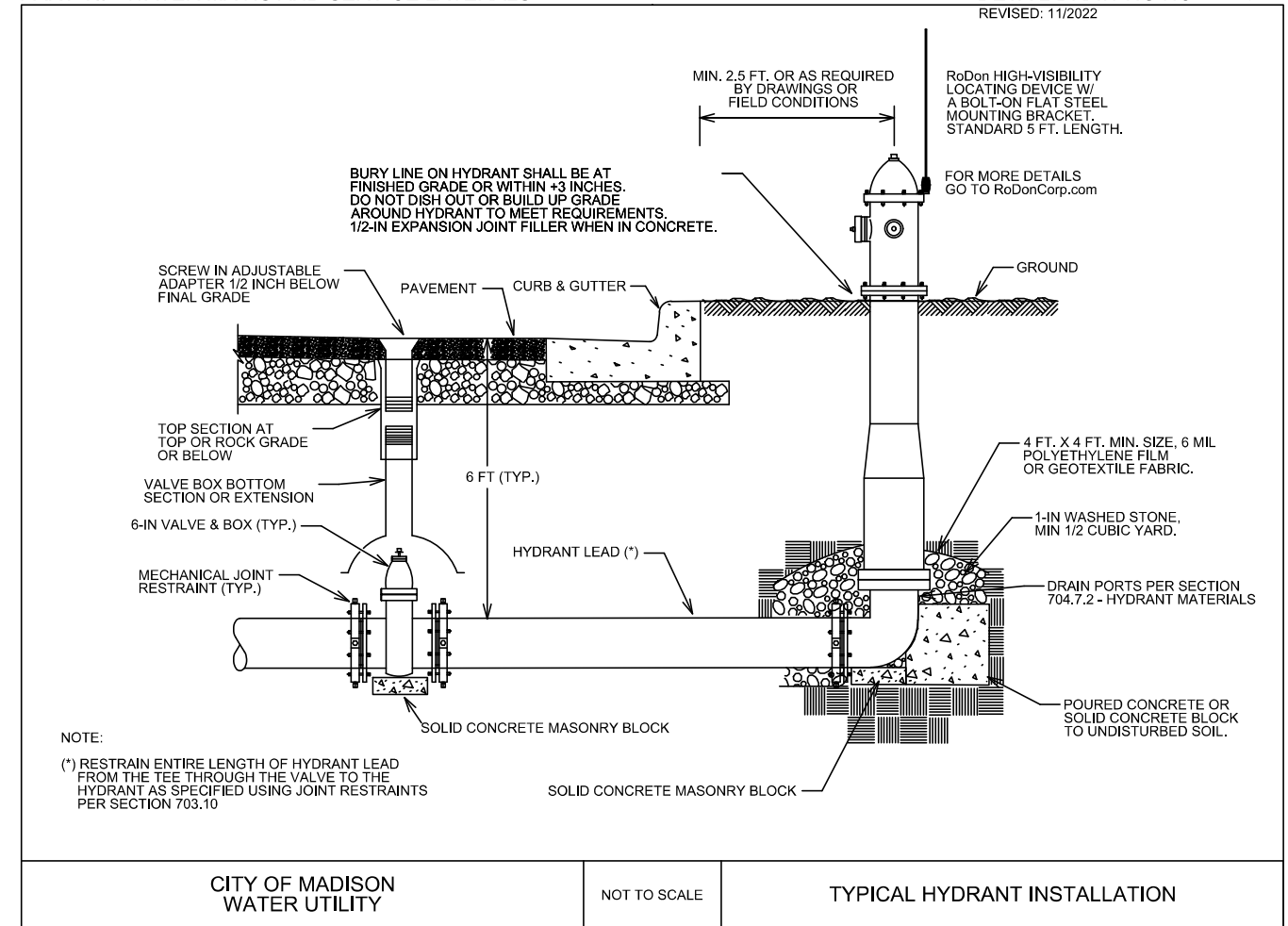


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. **7.04**

REVISÉ: 11/2022



15828

MADISON, WI

9662

CONTRACT NO:

WATER ESTIMATE OF MATERIALS

HILL VALLEY PHASE 2A

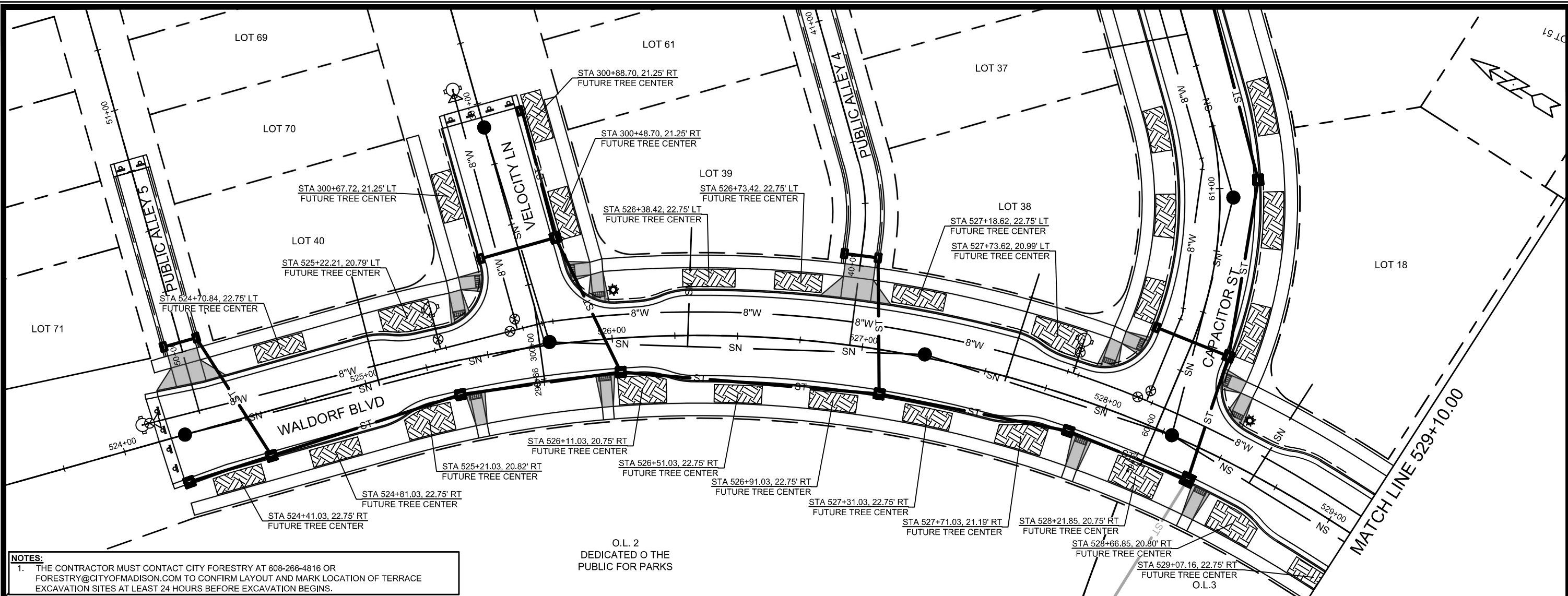
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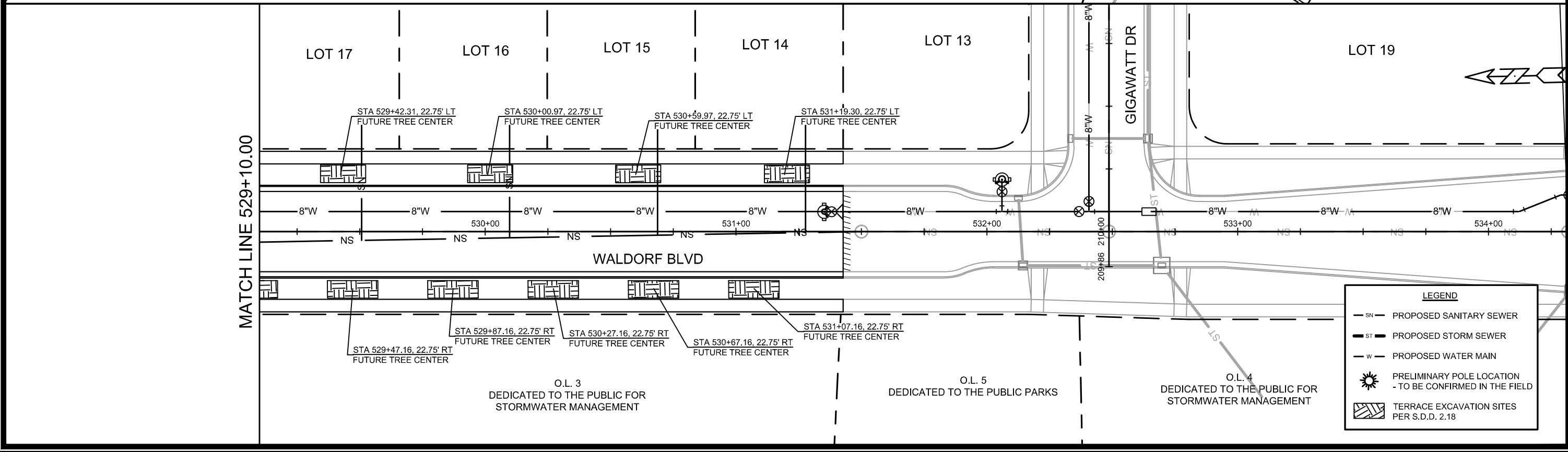
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W-7

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15828		W-7



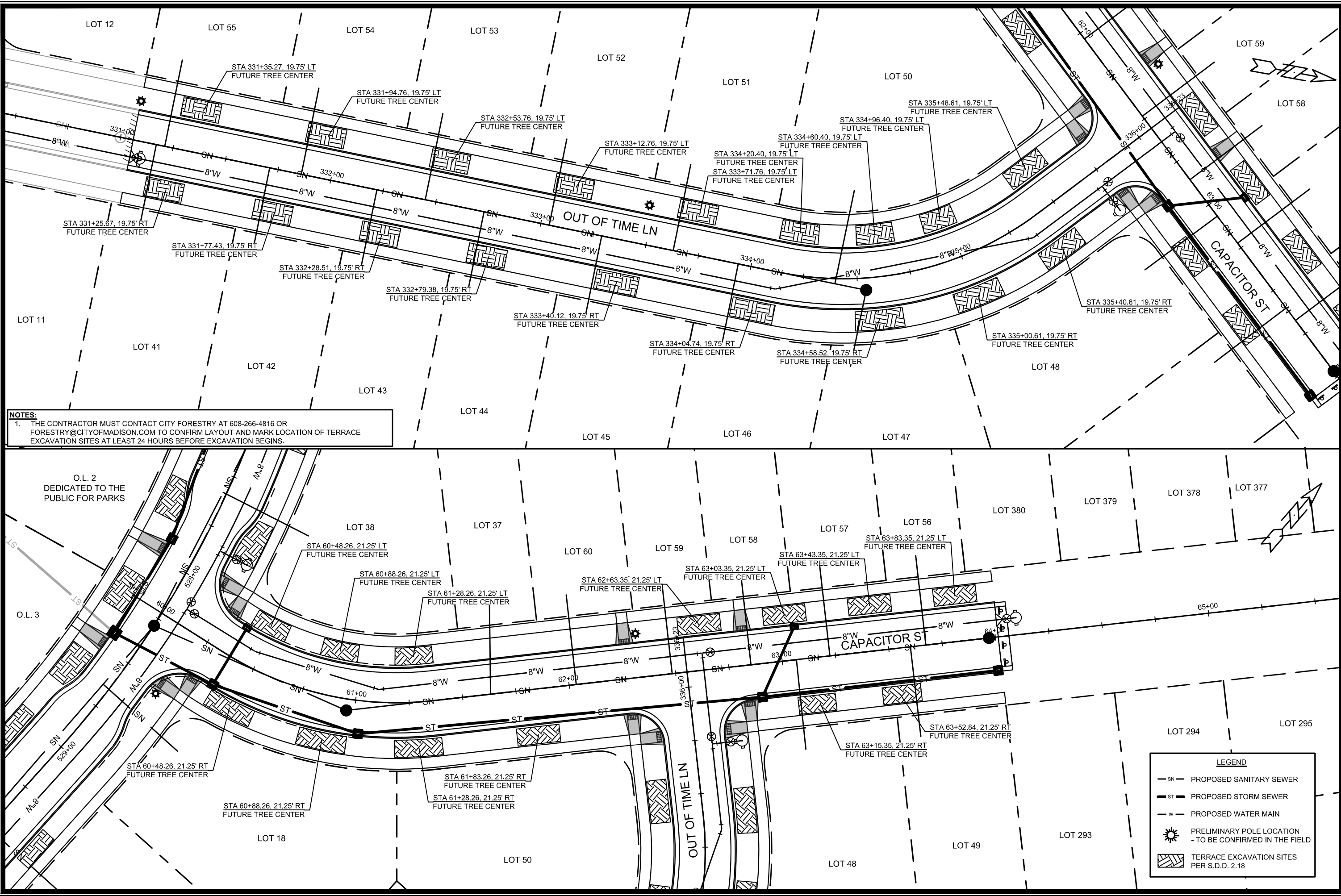
NOTES:
1. THE CONTRACTOR MUST CONTACT CITY FORESTRY AT 608-266-4816 OR FORESTRY@CITYOFMADISON.COM TO CONFIRM LAYOUT AND MARK LOCATION OF TERRACE EXCAVATION SITES AT LEAST 24 HOURS BEFORE EXCAVATION BEGINS.



LEGEND

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

15828				MADISON, WI				9662			
CONTRACT NO:				15828				L-1			
LANDSCAPING PLAN - WALDORF BLVD & VELOCITY LN				HILL VALLEY PHASE 2A				M:\DESIGN\Projects\15828\CAD\Streets\15828EN-LandscapingPlan.dwg			
15828				15828				15828			
L-1				L-1				L-1			



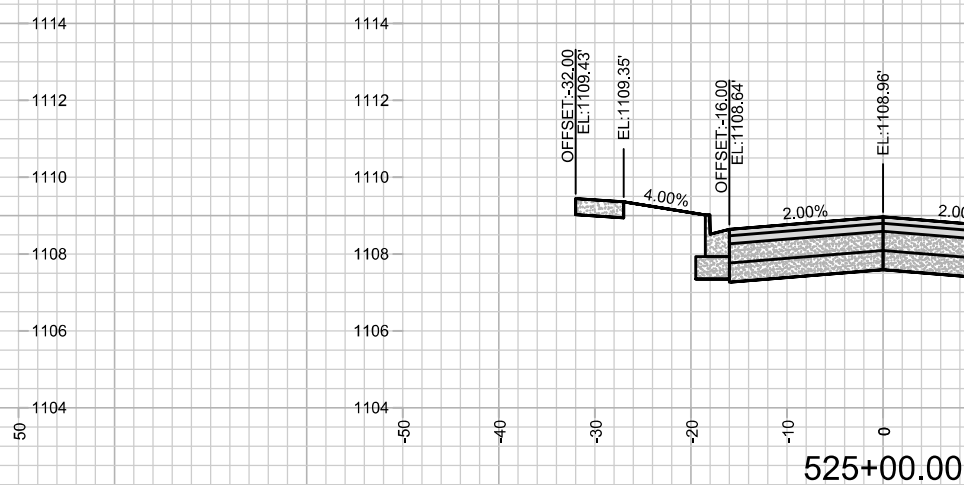
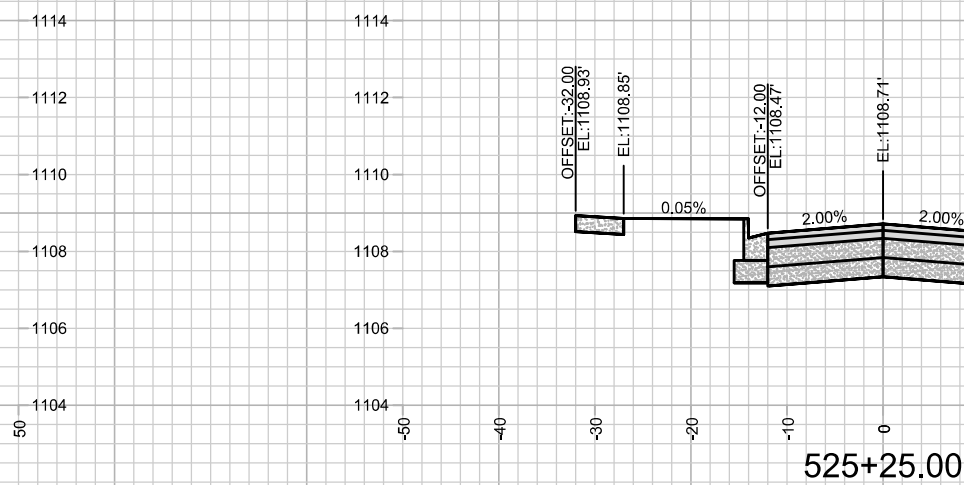
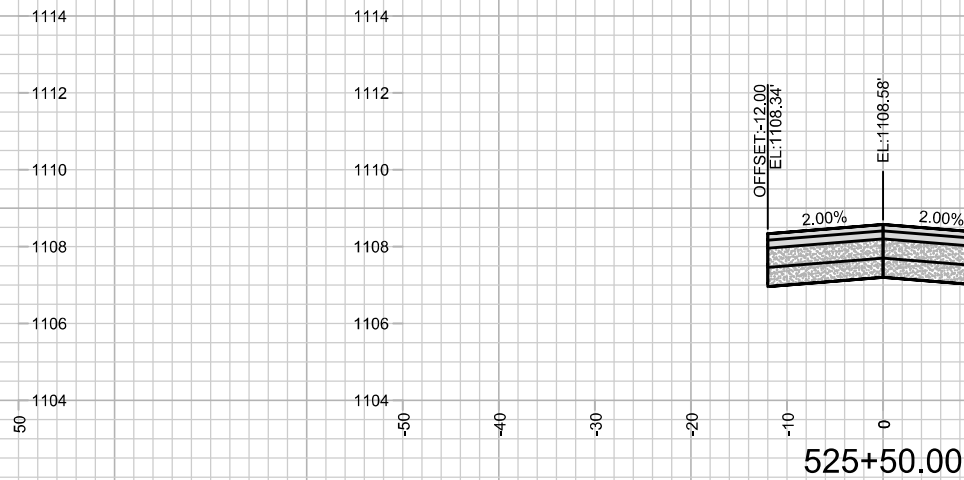
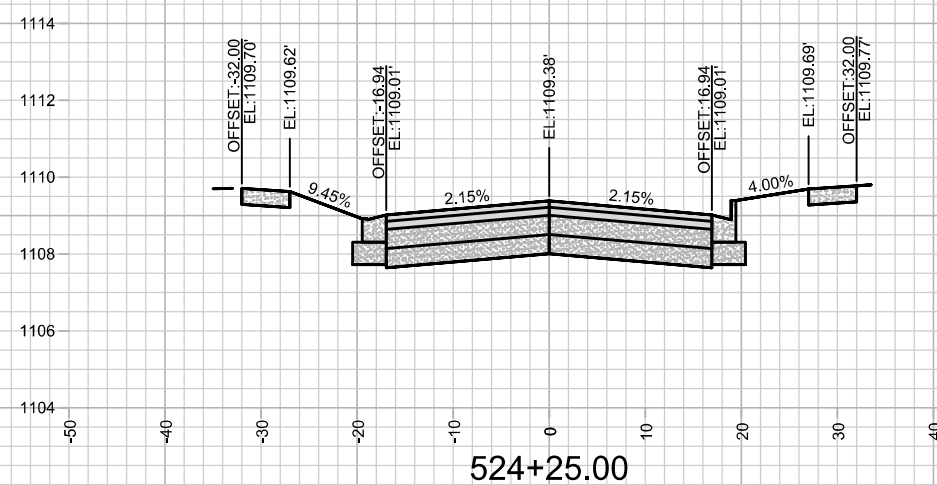
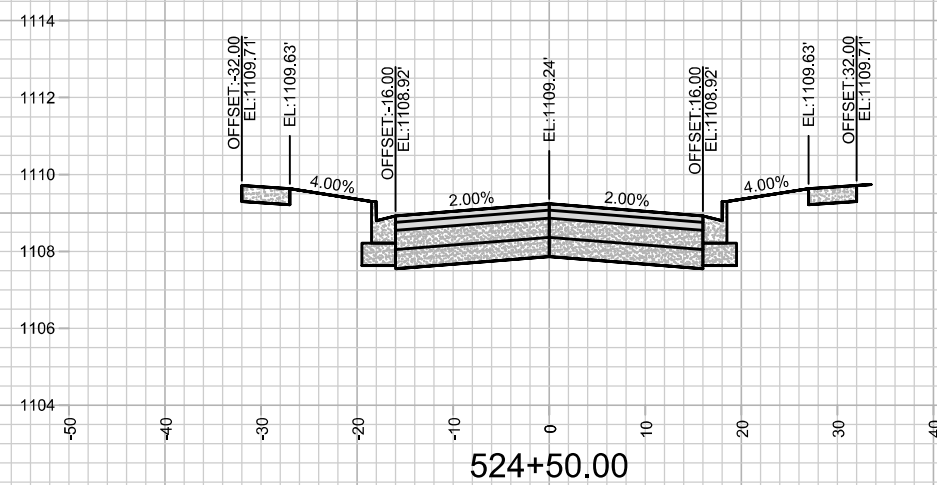
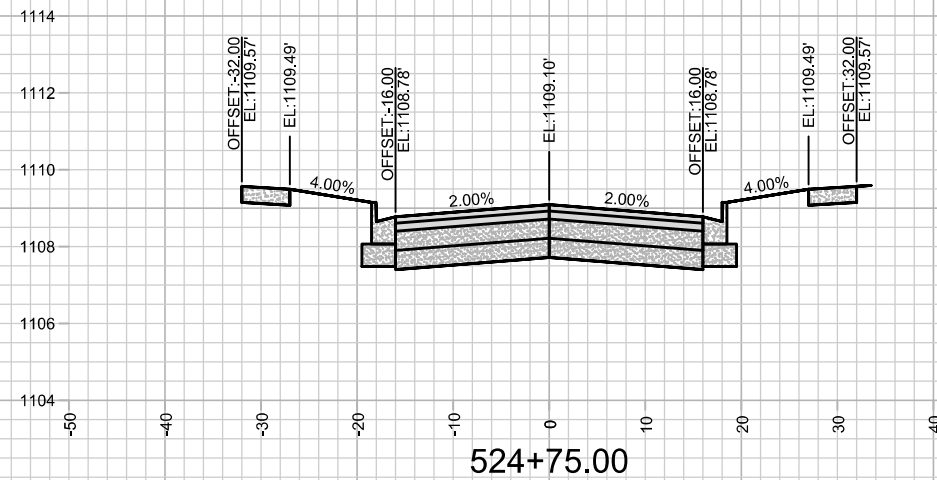
NOTES:
1. THE CONTRACTOR MUST CONTACT CITY FORESTRY AT 608-266-4816 OR FORESTRY@CITYOFMADISON.COM TO CONFIRM LAYOUT AND MARK LOCATION OF TERRACE EXCAVATION SITES AT LEAST 24 HOURS BEFORE EXCAVATION BEGINS.

LEGEND

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

15828		MADISON, WI		CONTRACT NO: 9662	
LANDSCAPING PLAN - OUT OF TIME LN & CAPACITOR ST		HILL VALLEY PHASE 2A		M:\DESIGN\Projects\15828\CAD\Streets\15828EN-LandscapingPlan.dwg	
15828		L-2		15828	

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REVISION: [Signature]
MARK: [Signature]
Scale: 1" = 40'



MARK		REVISION		DATE	BY
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90%	90%	90%	90%	90%	90%
80%	80%	80%	80%	80%	80%
70%	70%	70%	70%	70%	70%
60%	60%	60%	60%	60%	60%
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20%	20%	20%	20%	20%	20%
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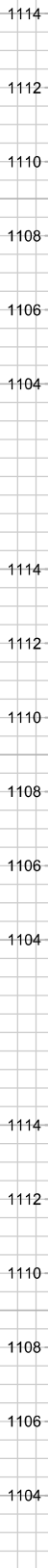
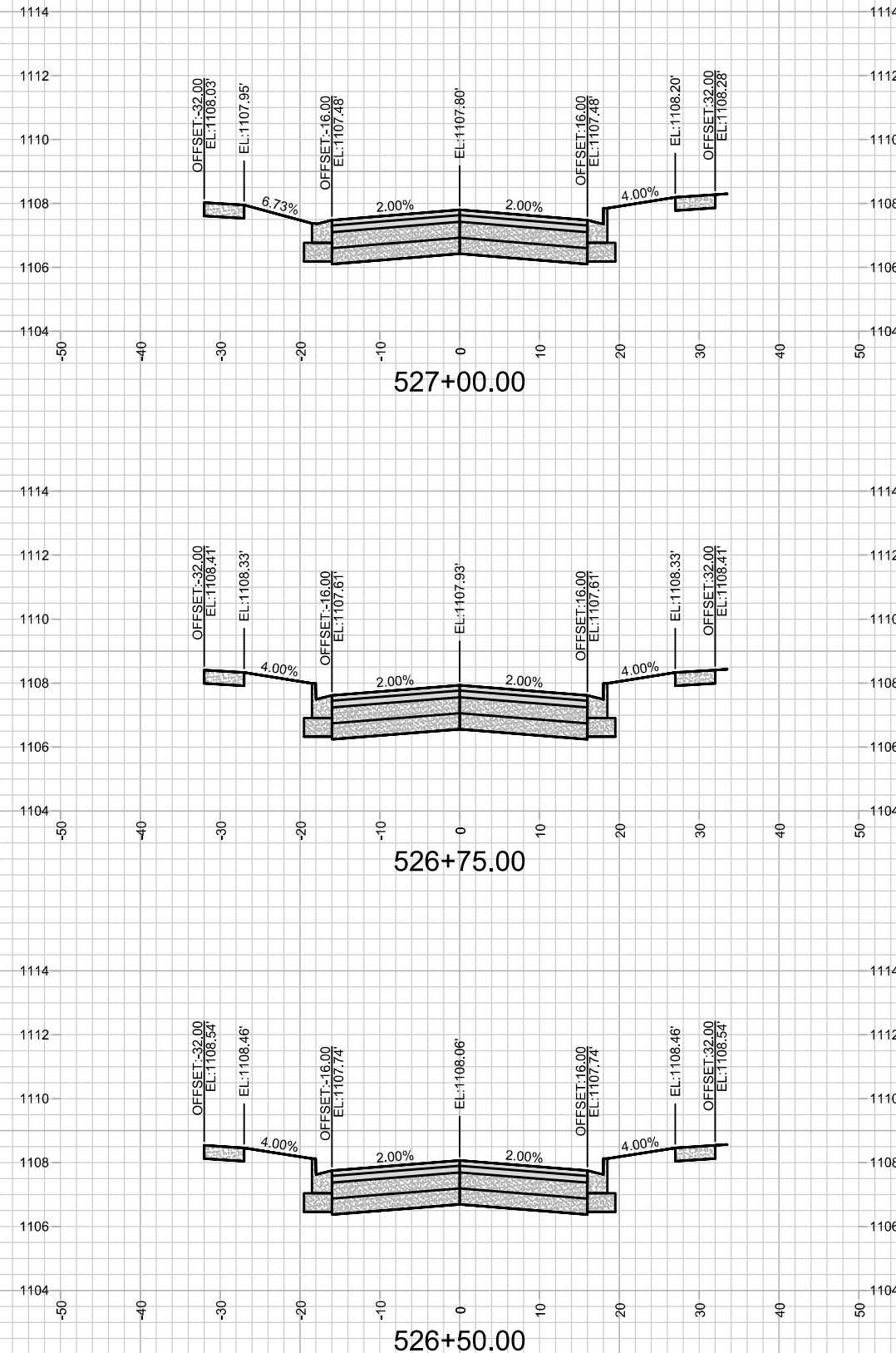
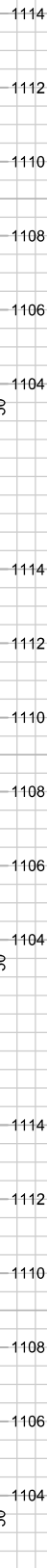
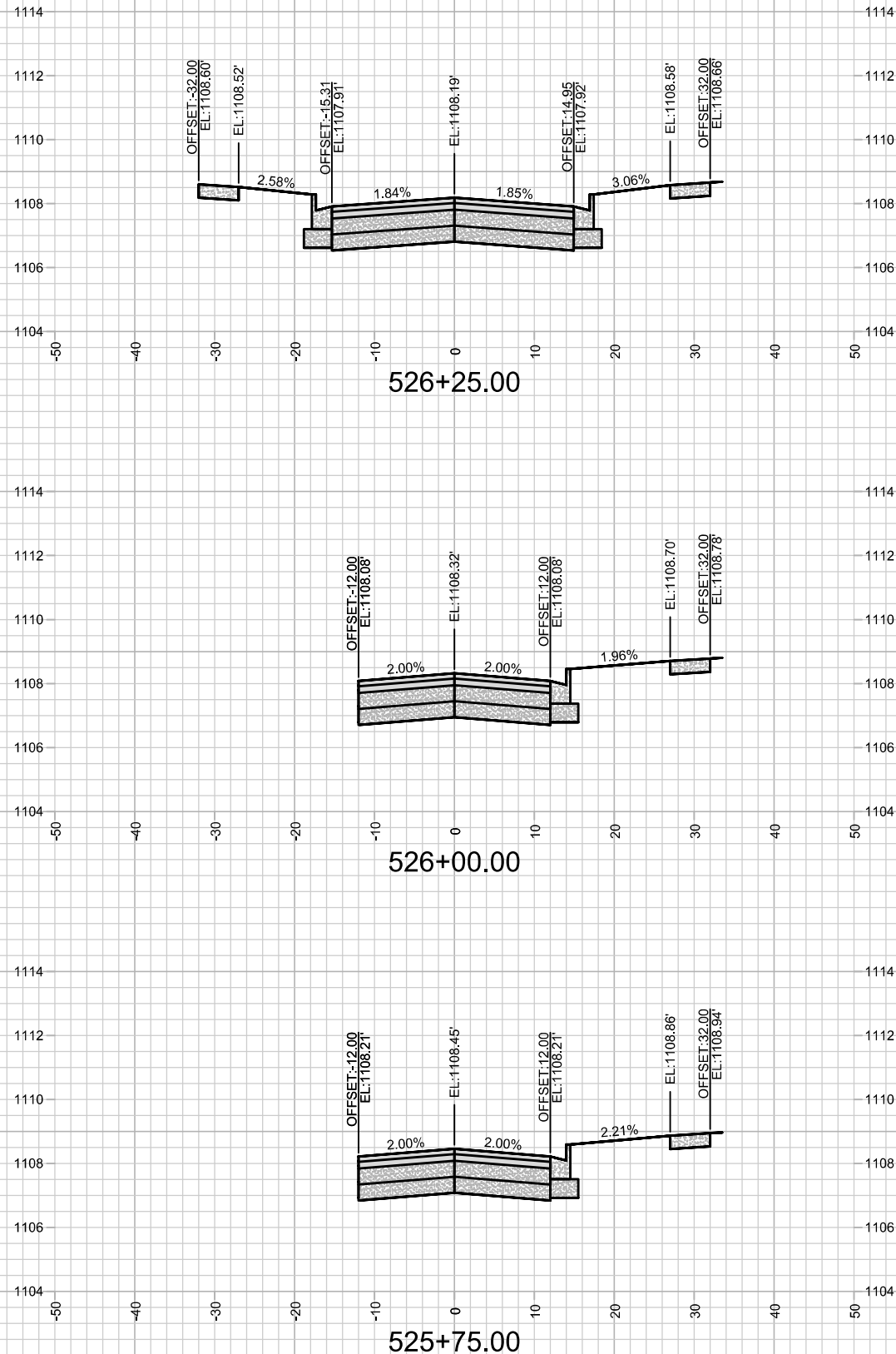
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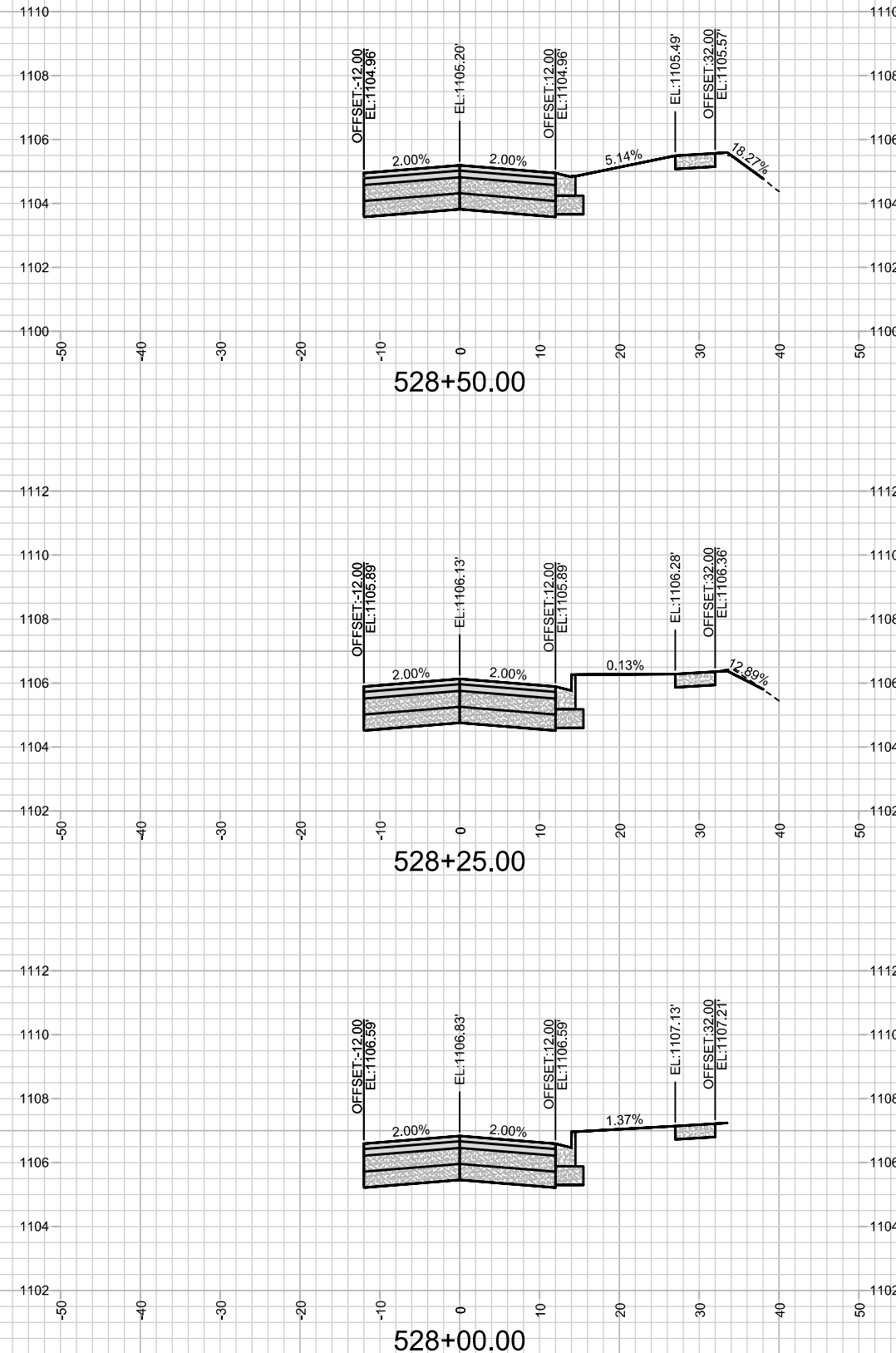
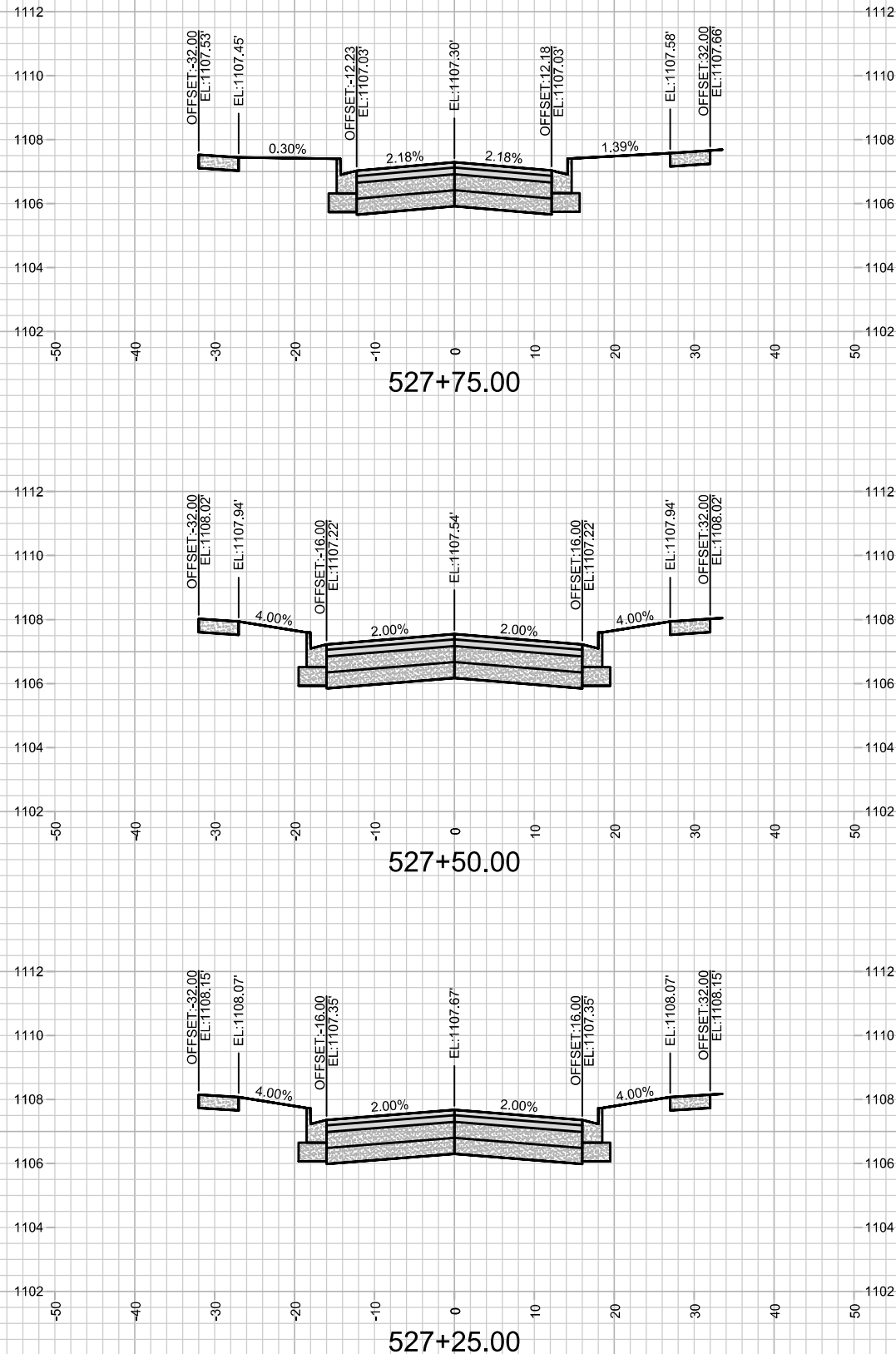
CROSS SECTIONS - WALDORF BLVD	15828
HILL VALLEY PHASE 2A	MADISON, WI
CONTRACT NO: 9662	



15828
X-1

X-1







15828

X-3

CROSS SECTIONS - WALDORF BLVD

HILL VALLEY PHASE 2A

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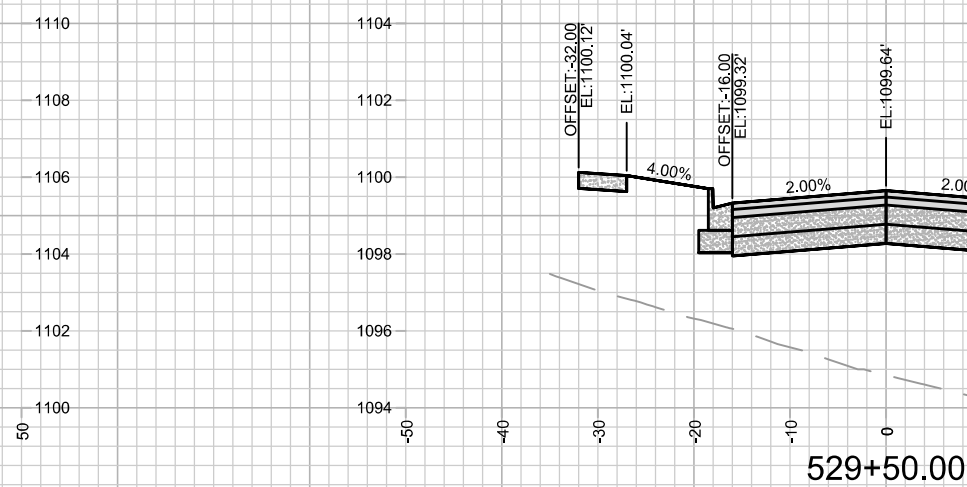
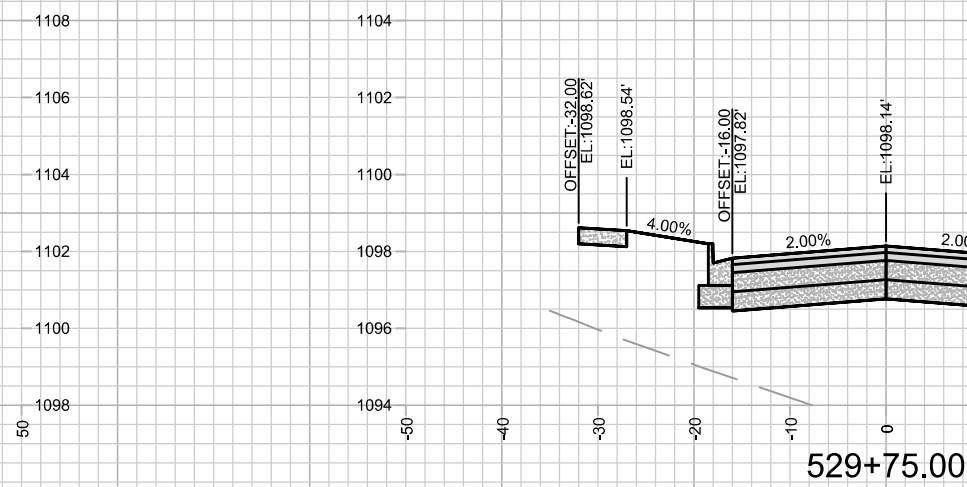
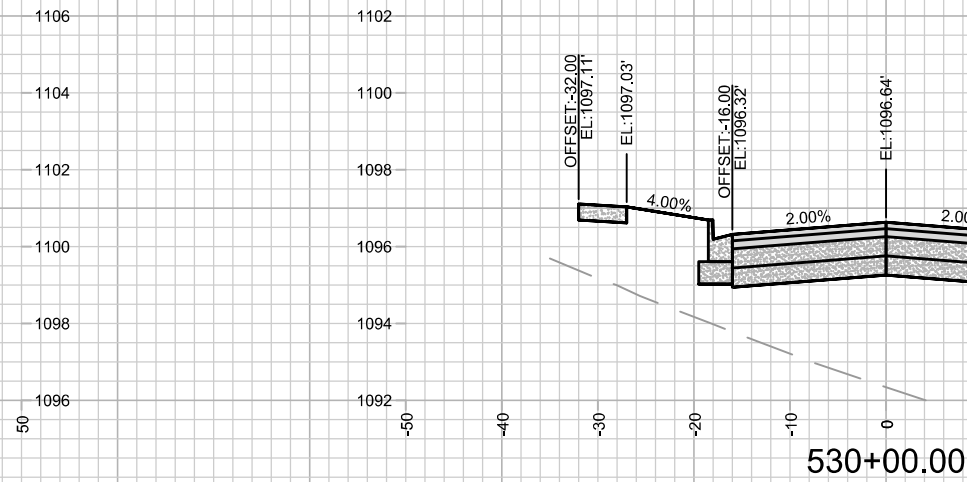
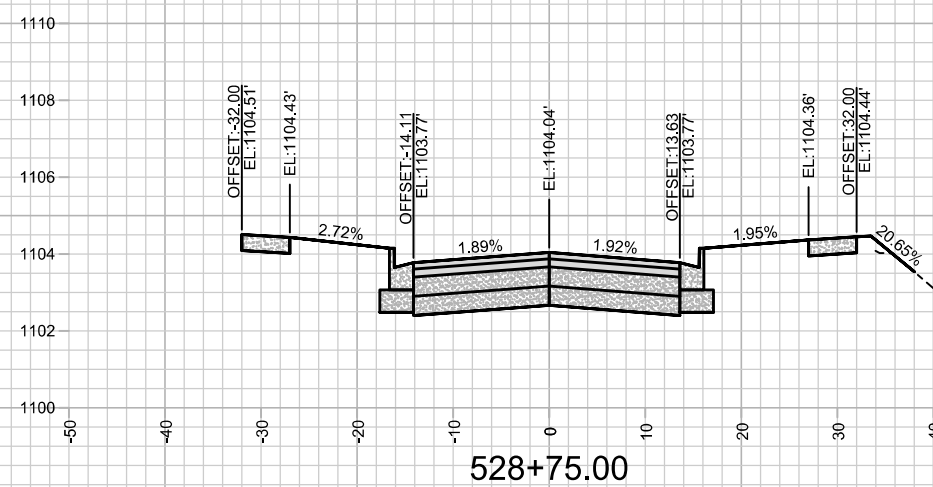
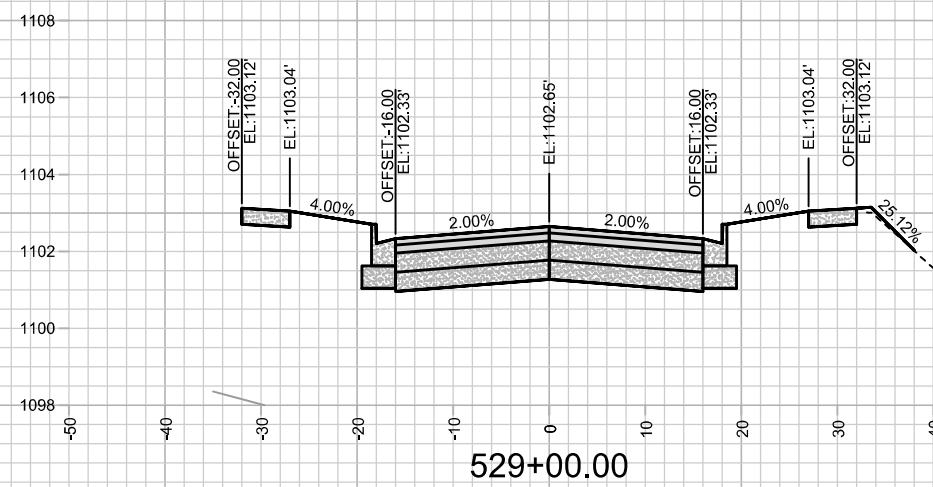
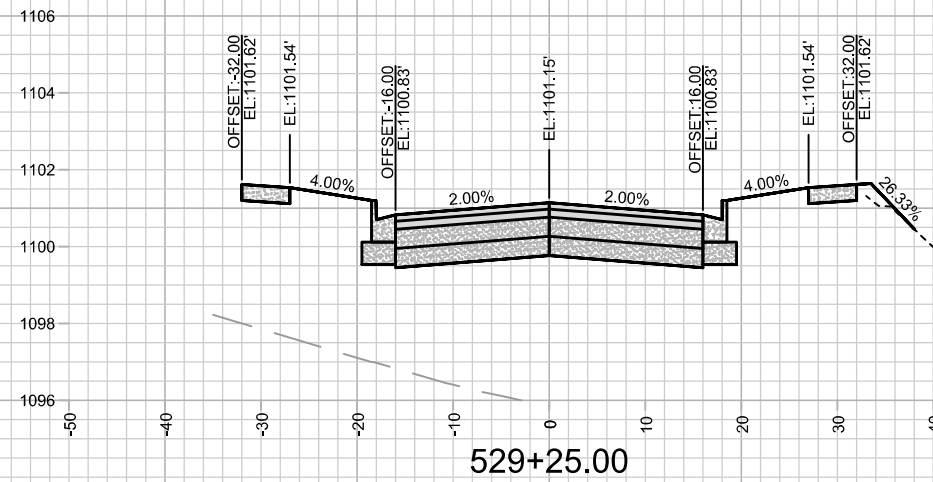
MADISON, WI

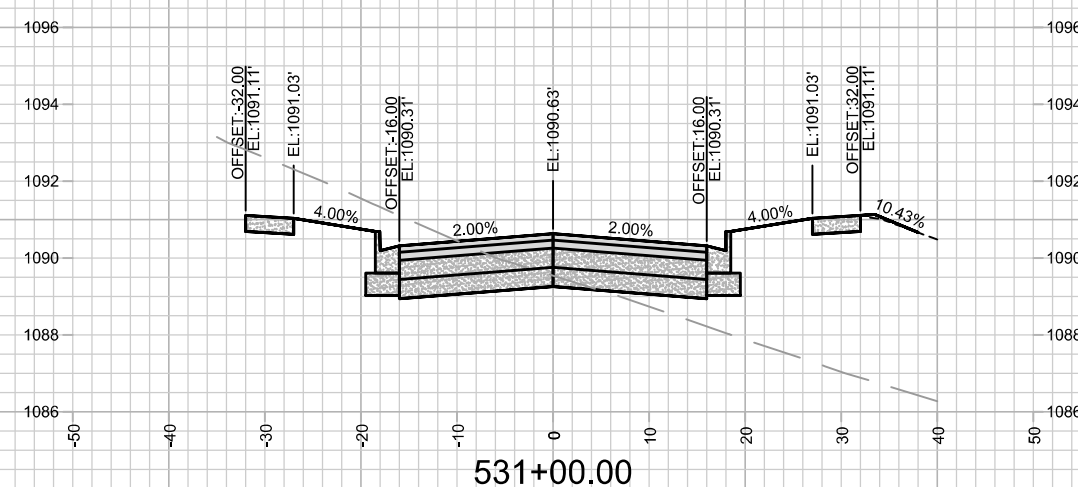
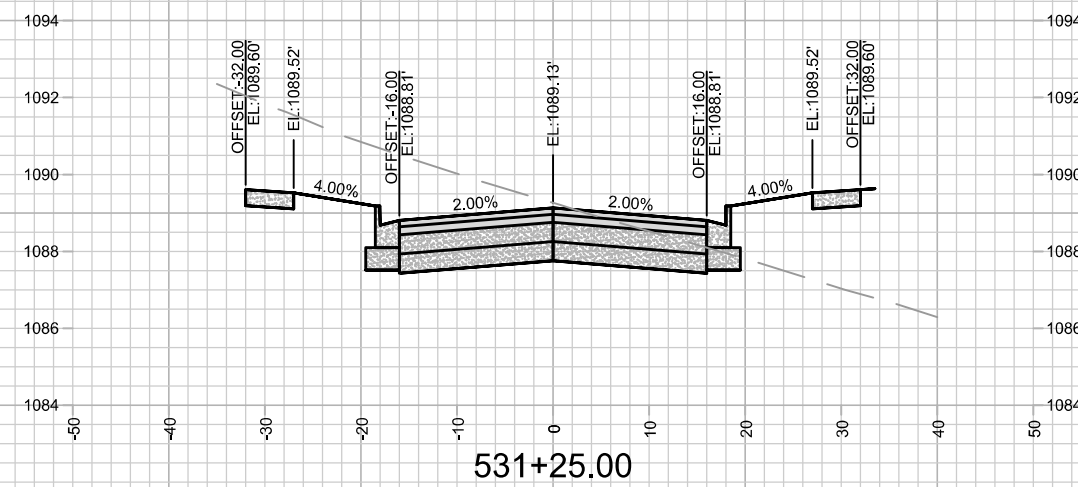
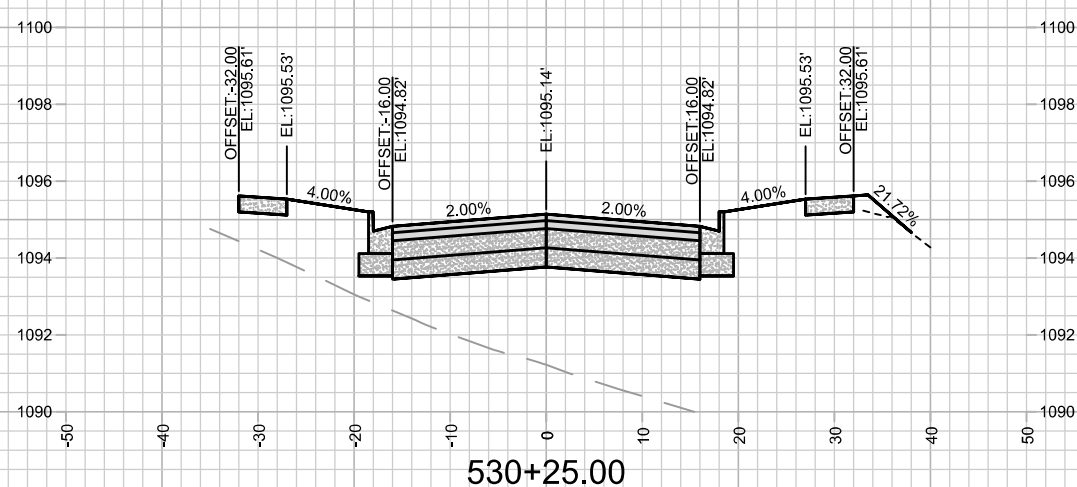
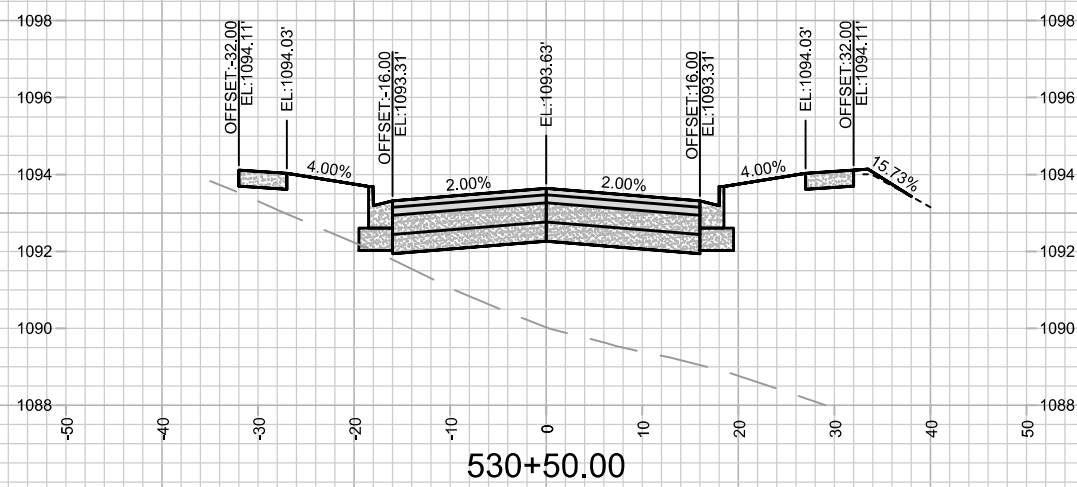
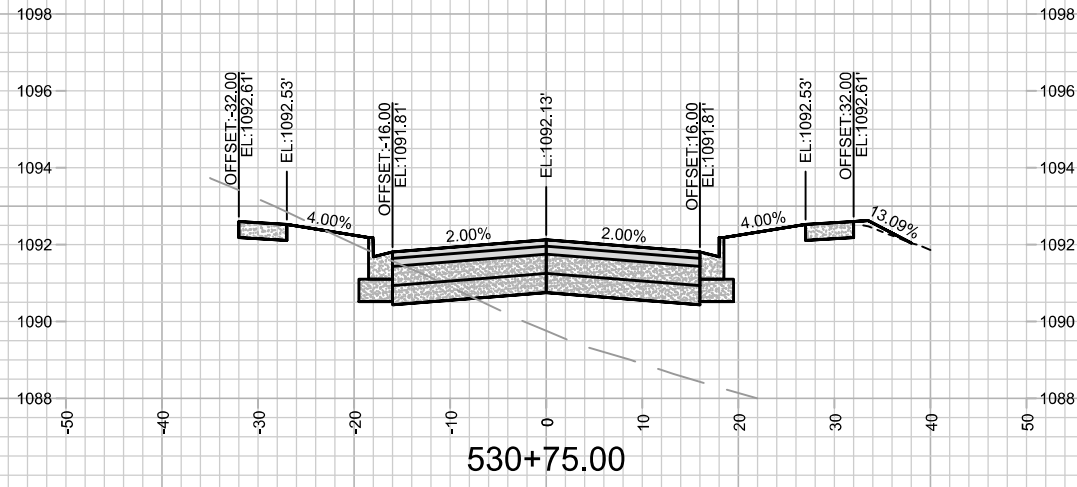
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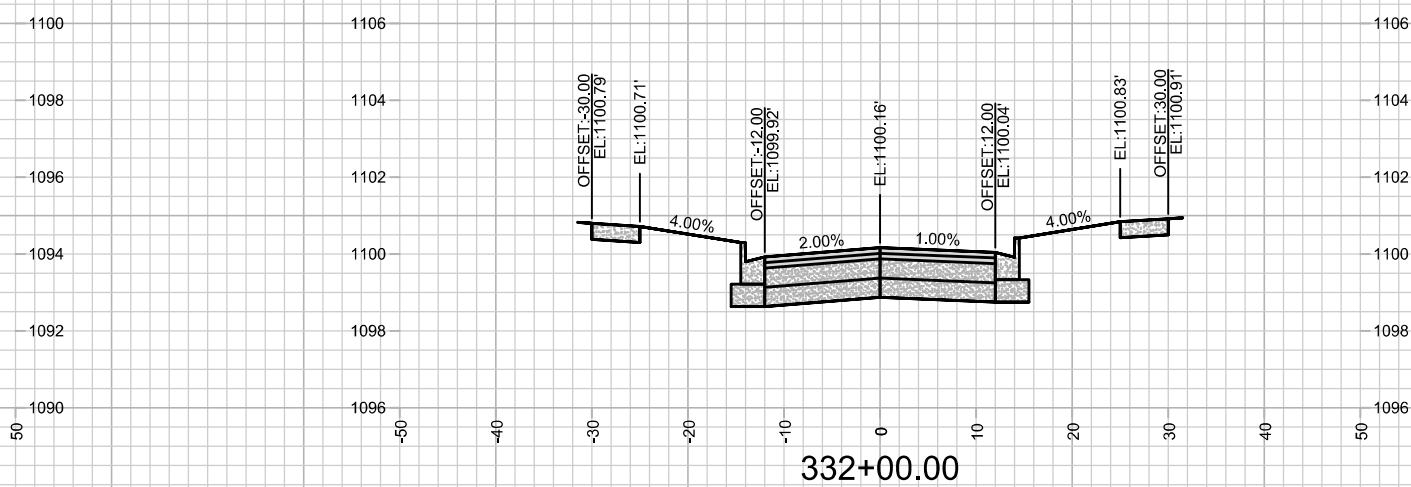
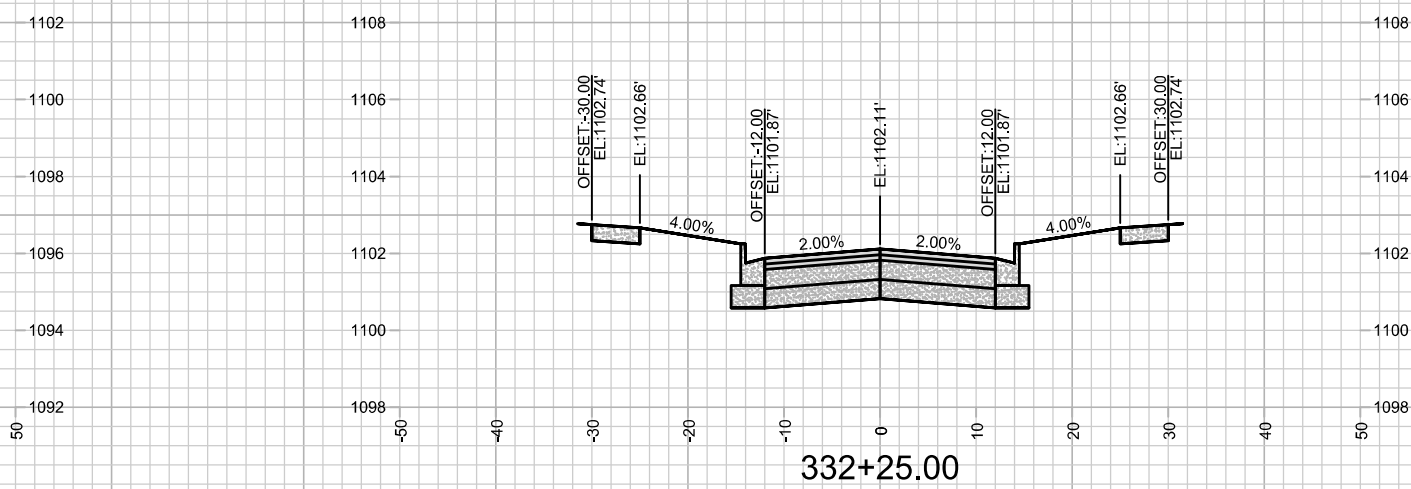
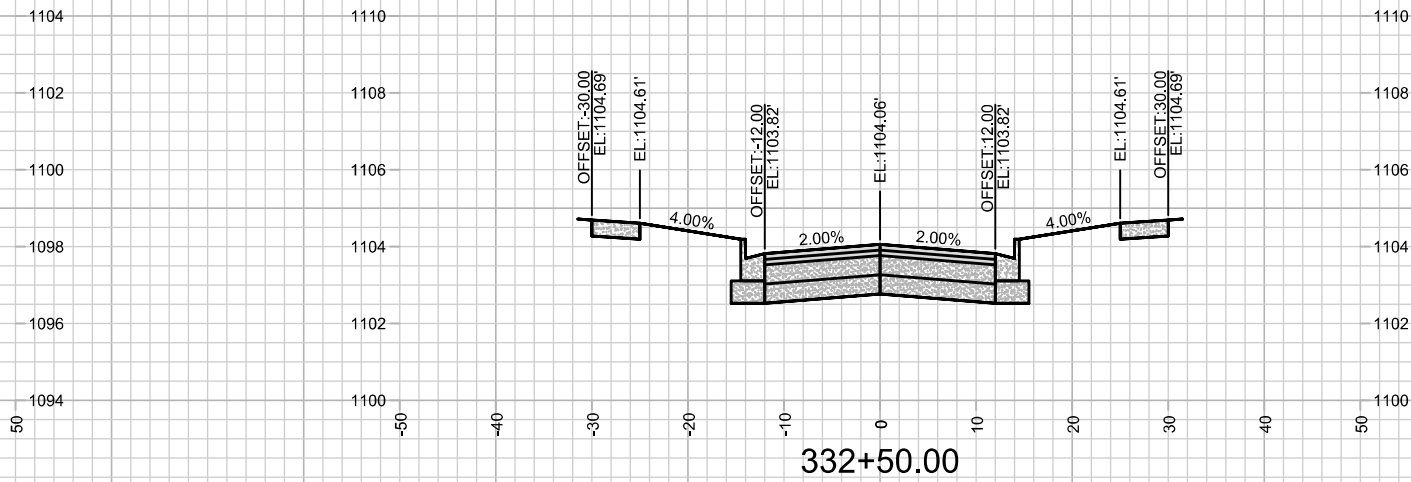
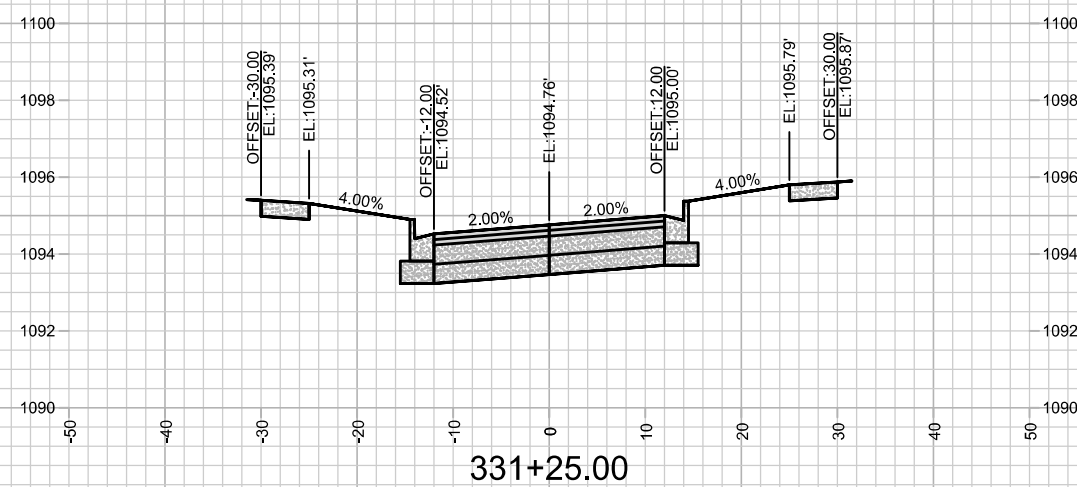
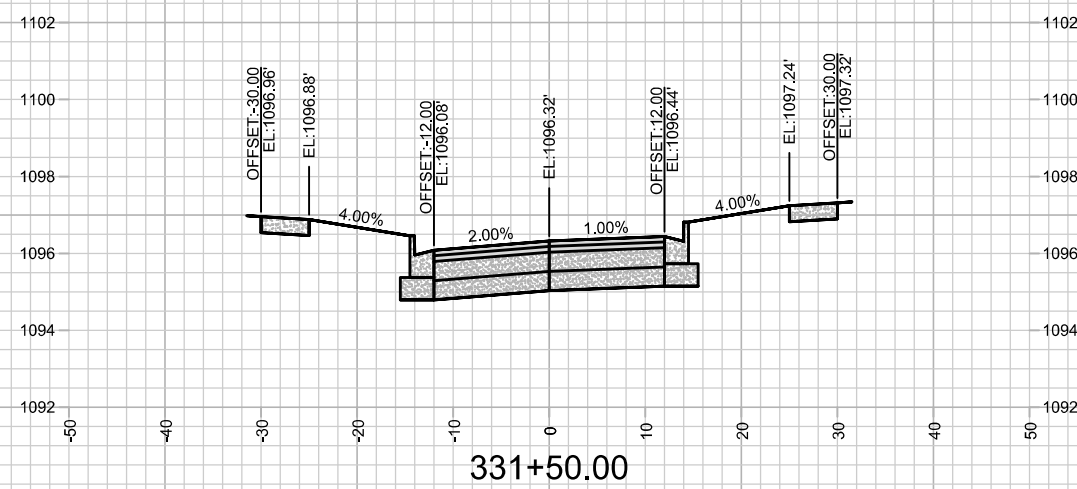
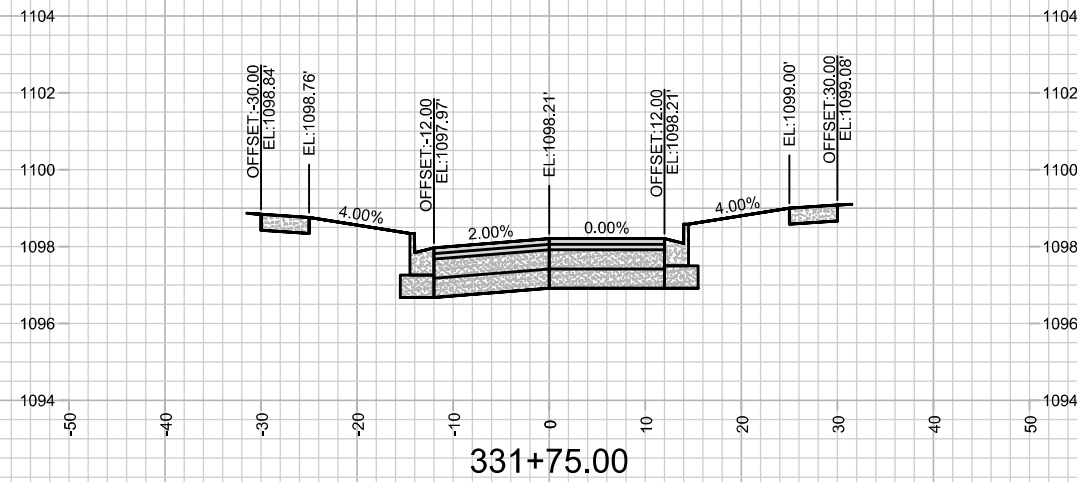
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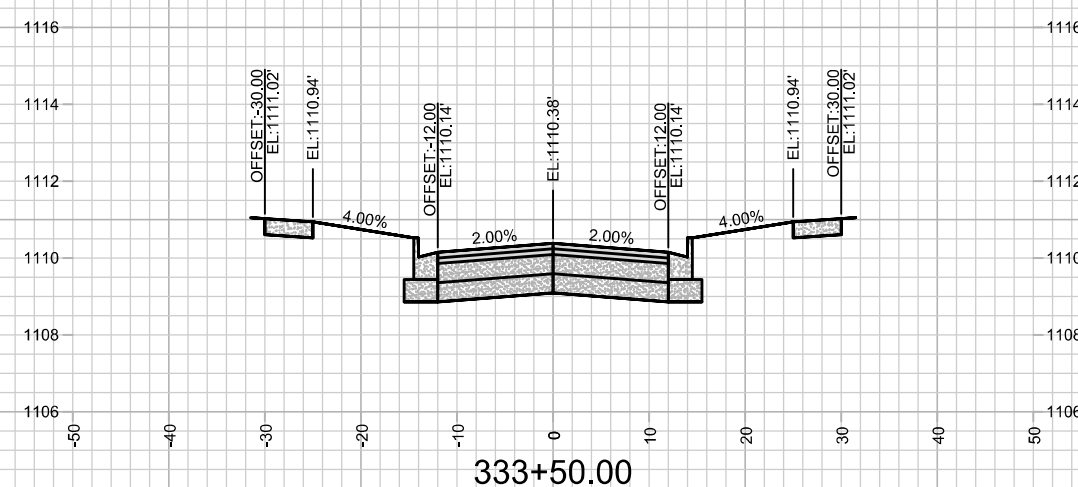
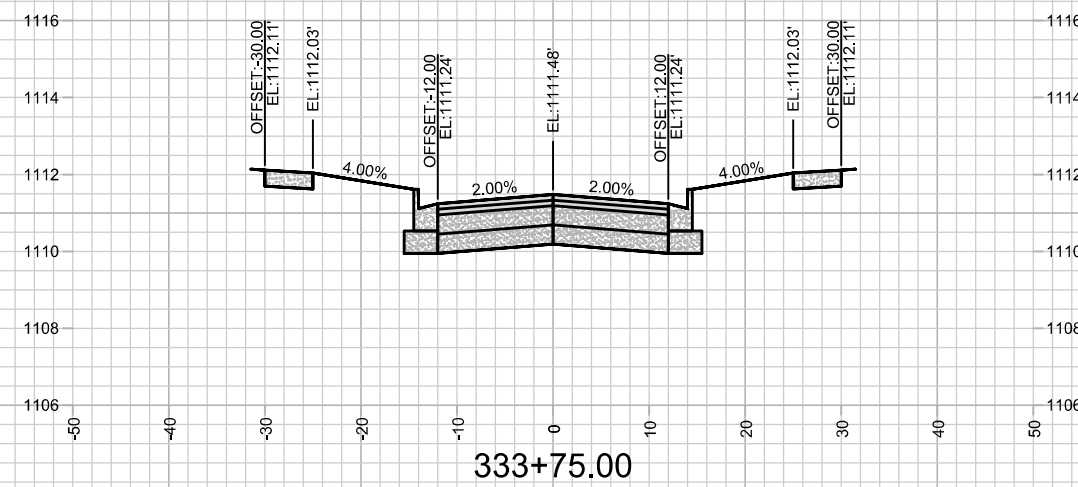
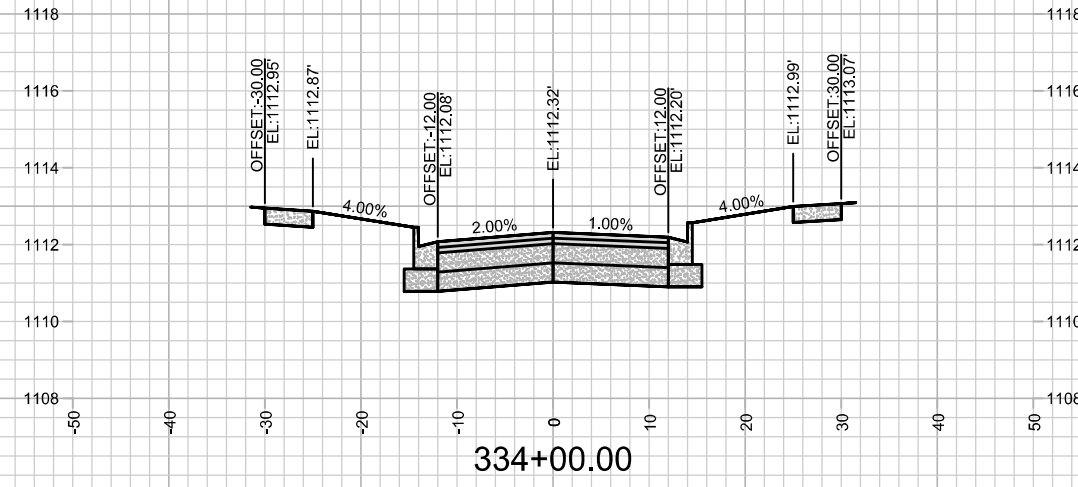
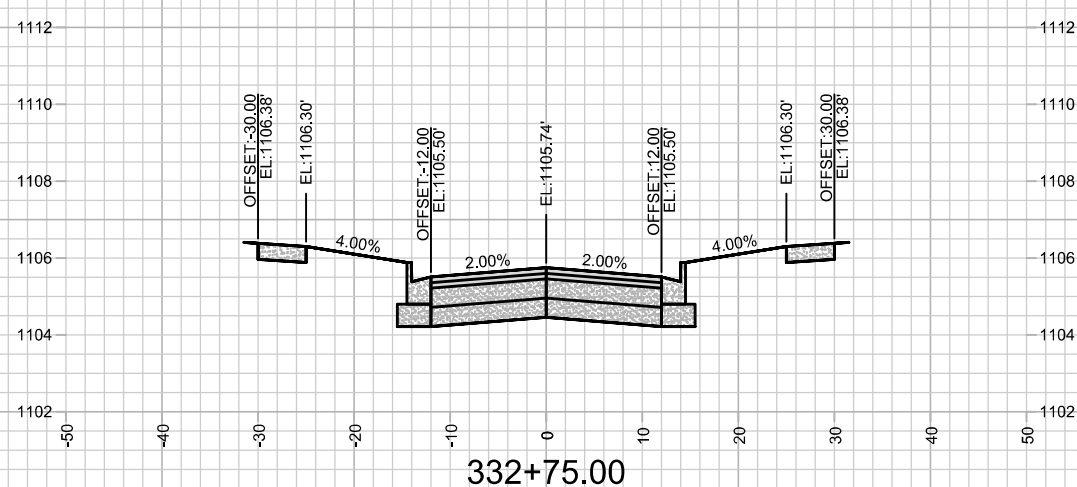
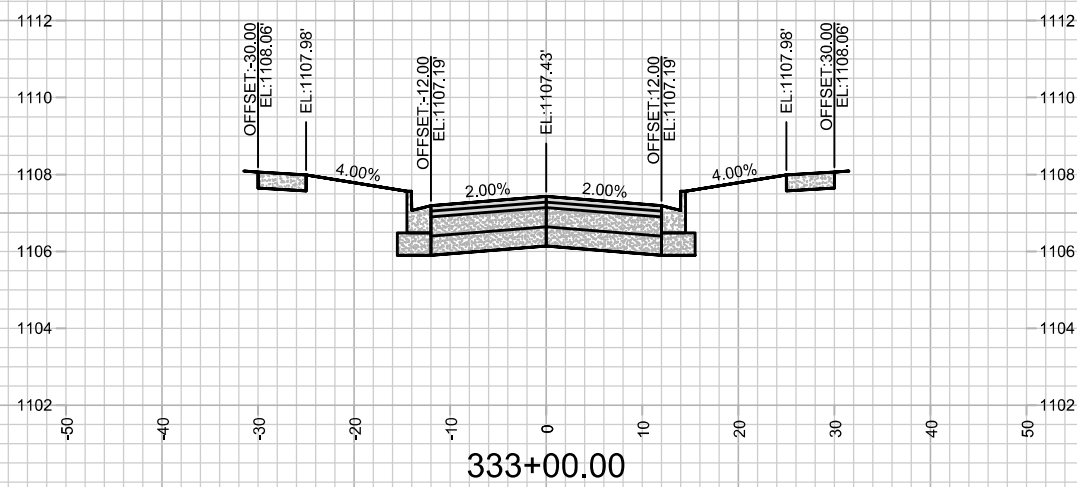
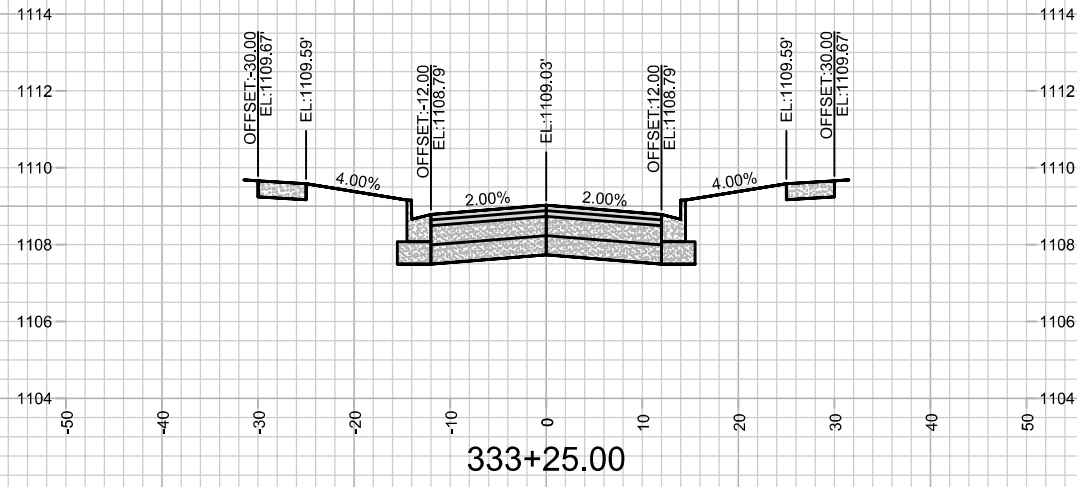
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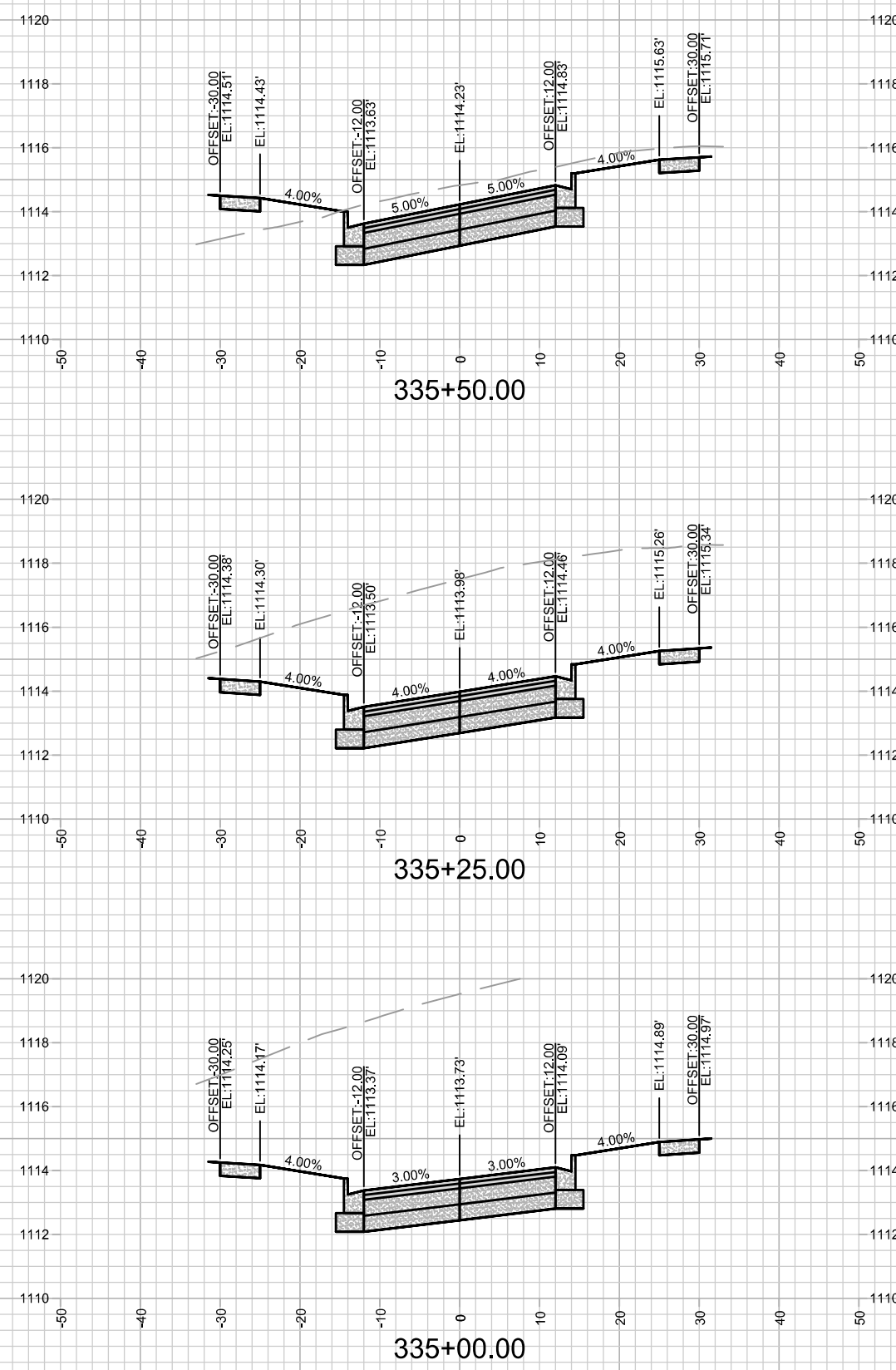
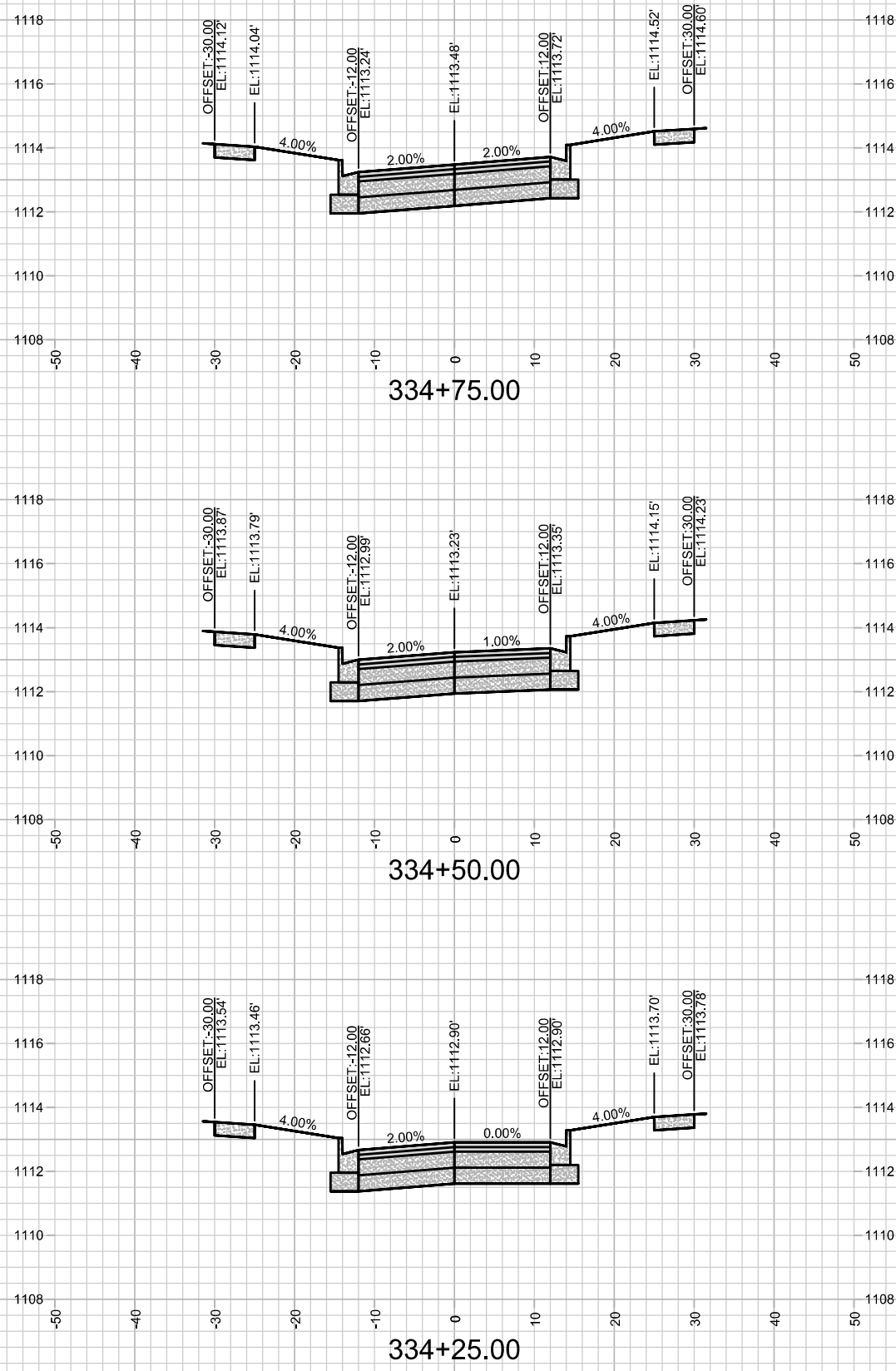
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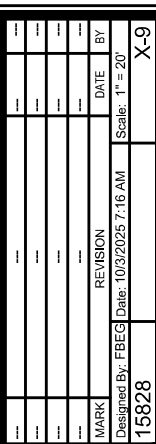










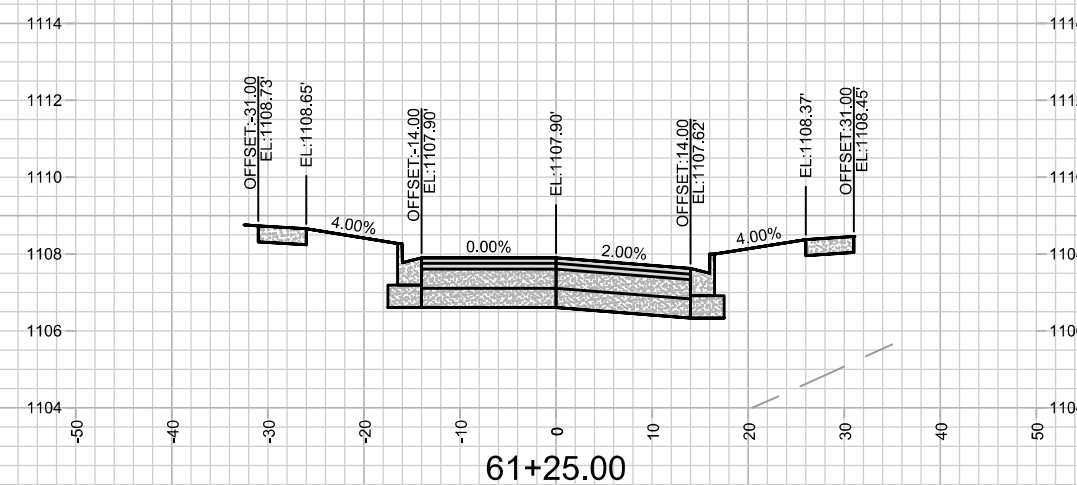
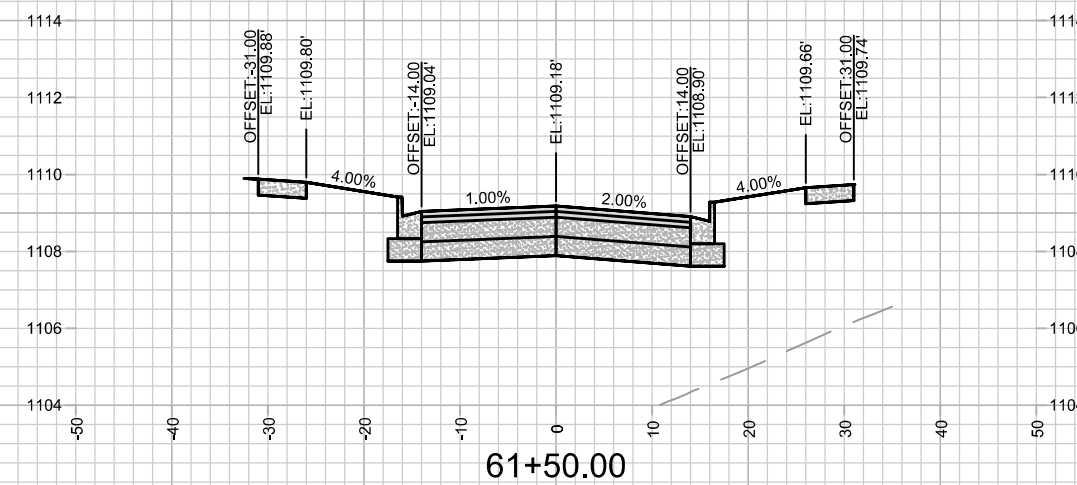
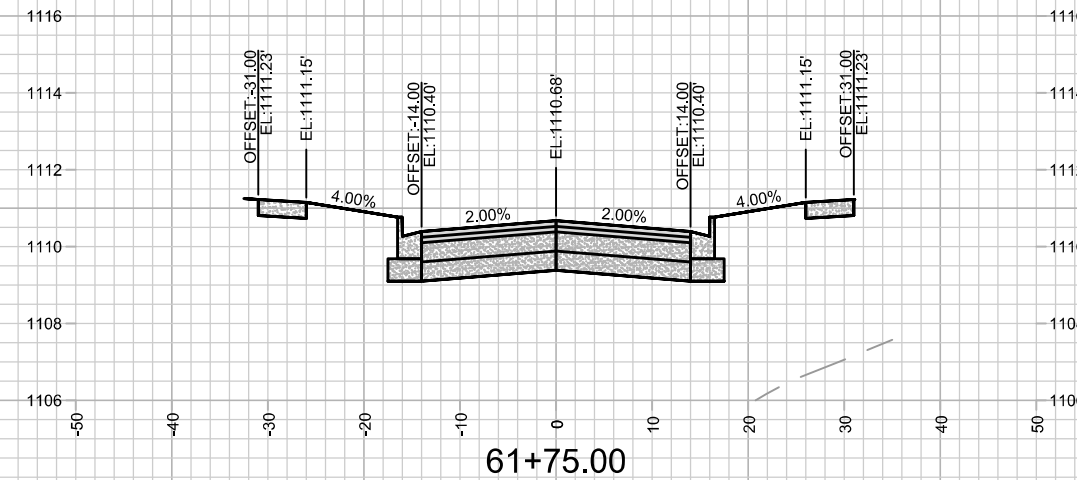
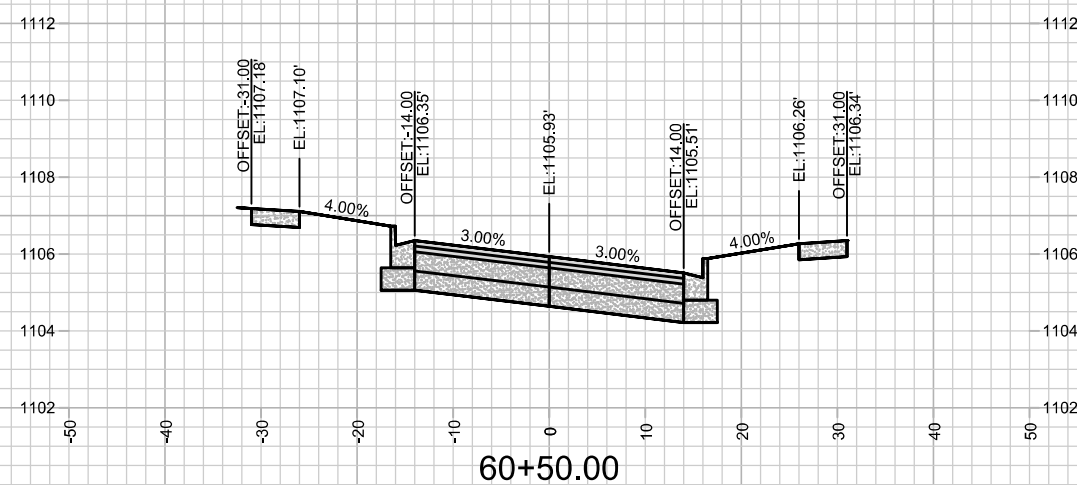
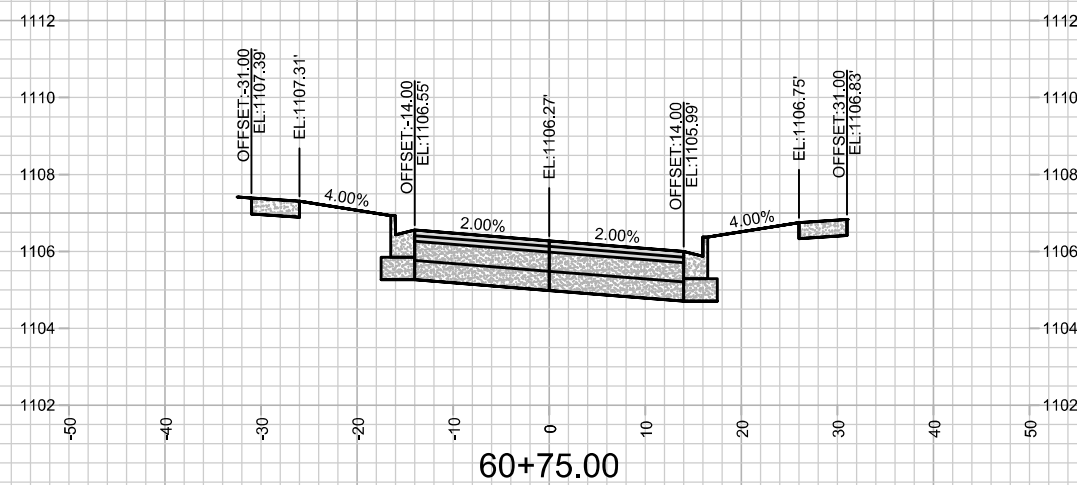
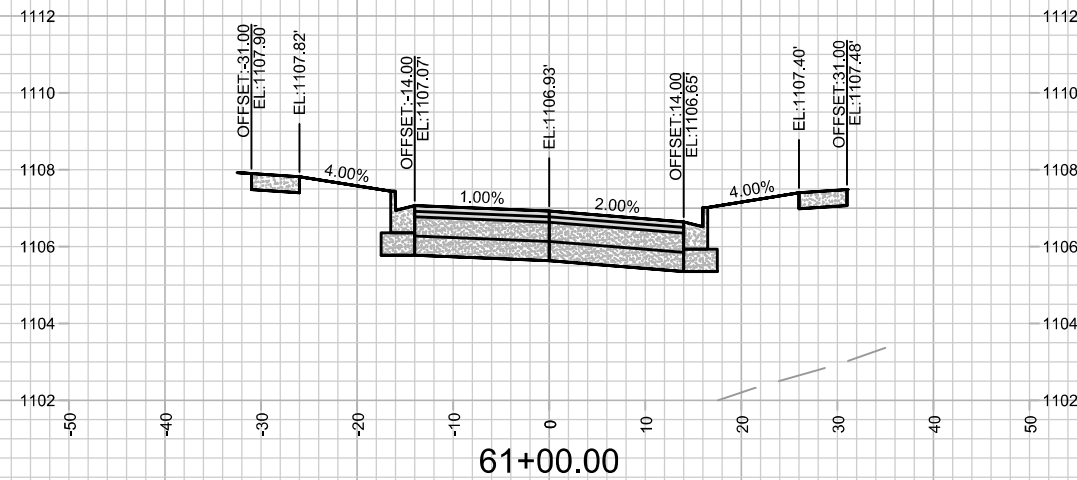


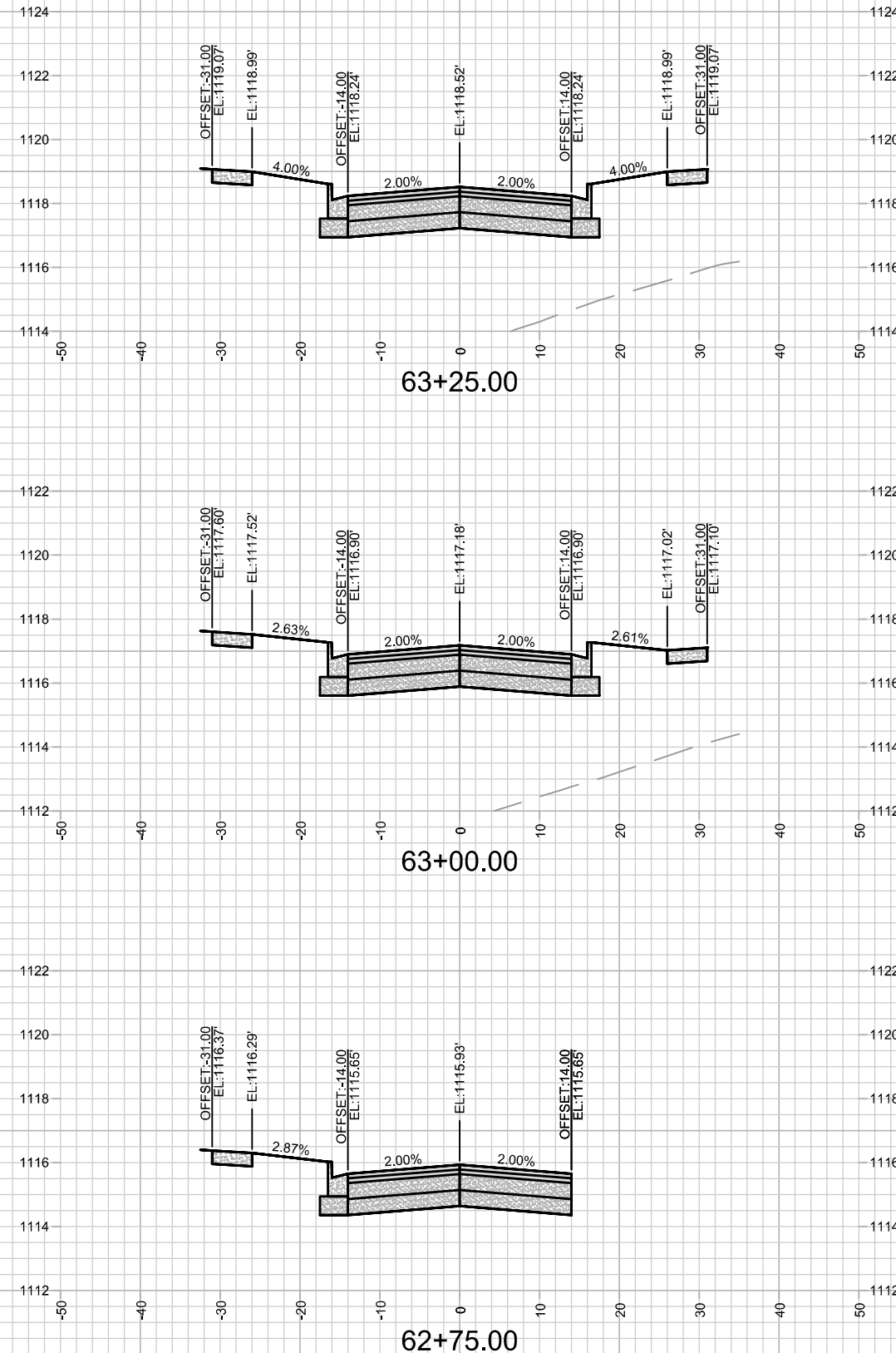
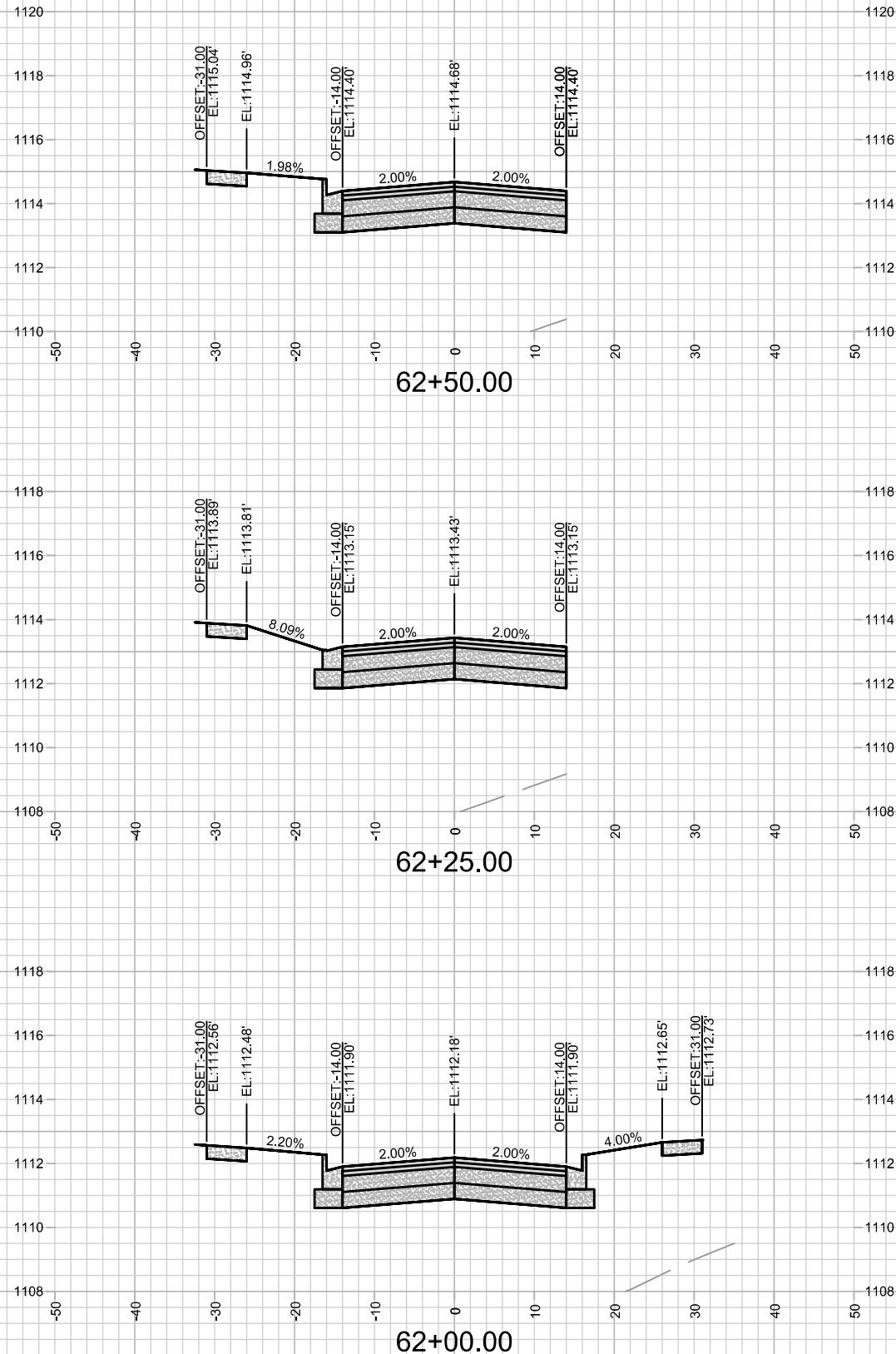
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X-9







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X-11

CROSS SECTIONS - CAPACITOR ST

HILL VALLEY PHASE 2A

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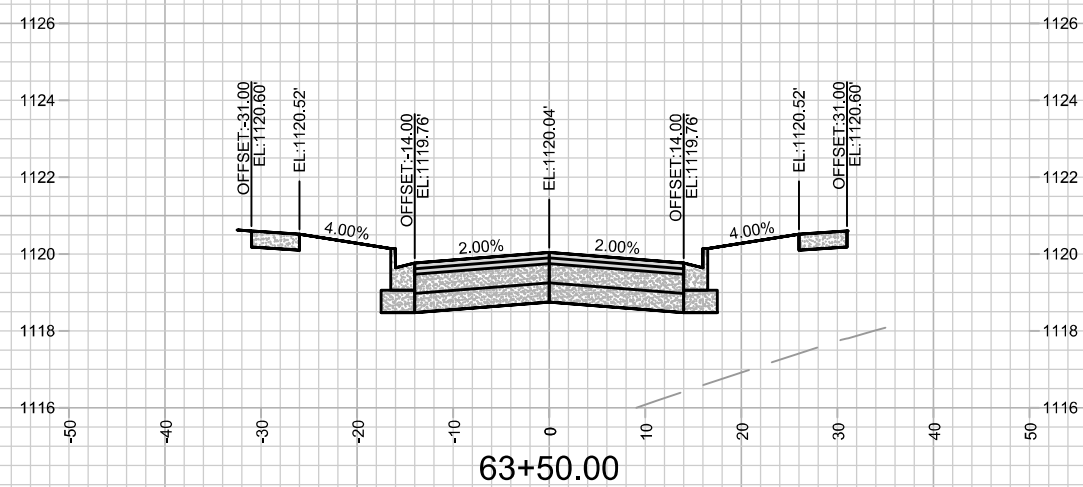
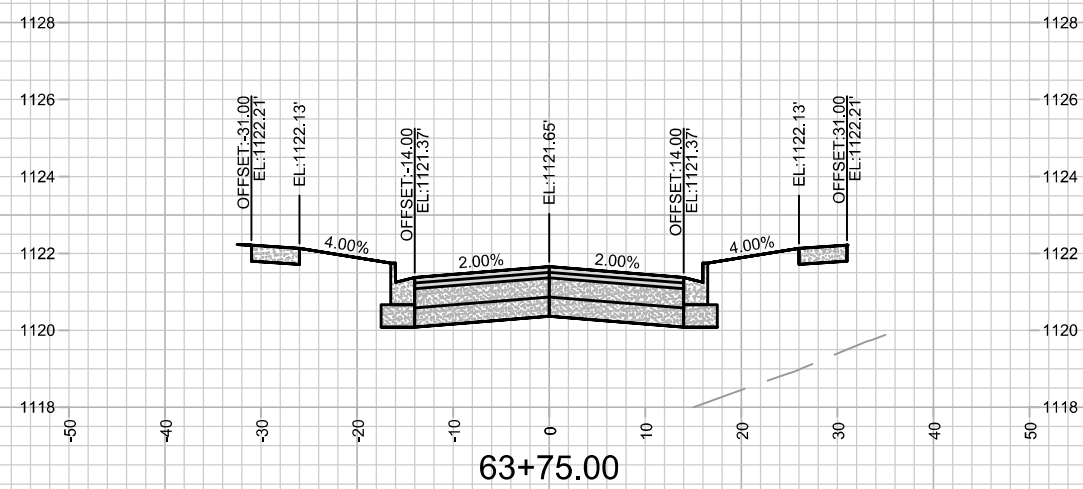
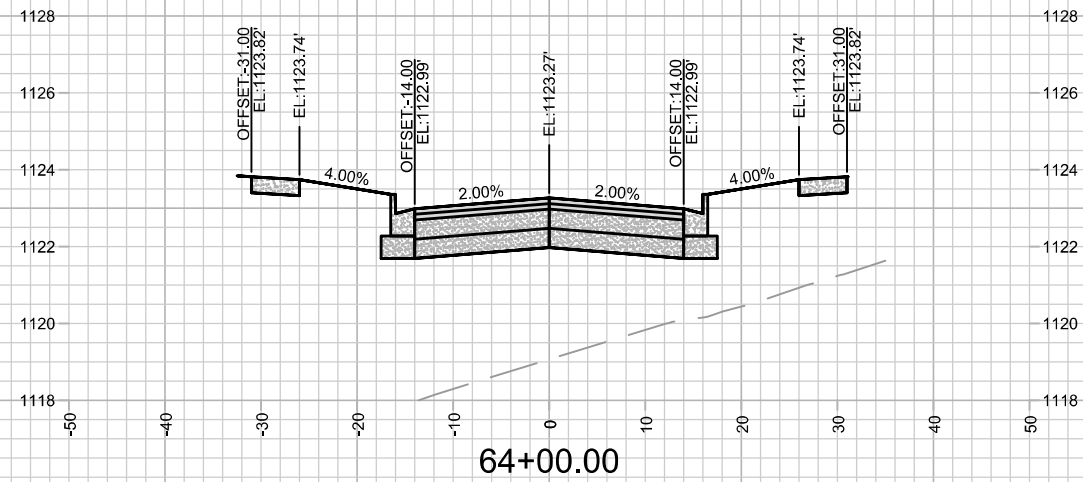
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Scale: 1" = 20'



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X-12

CROSS SECTIONS - CAPACITOR ST

HILL VALLEY PHASE 2A

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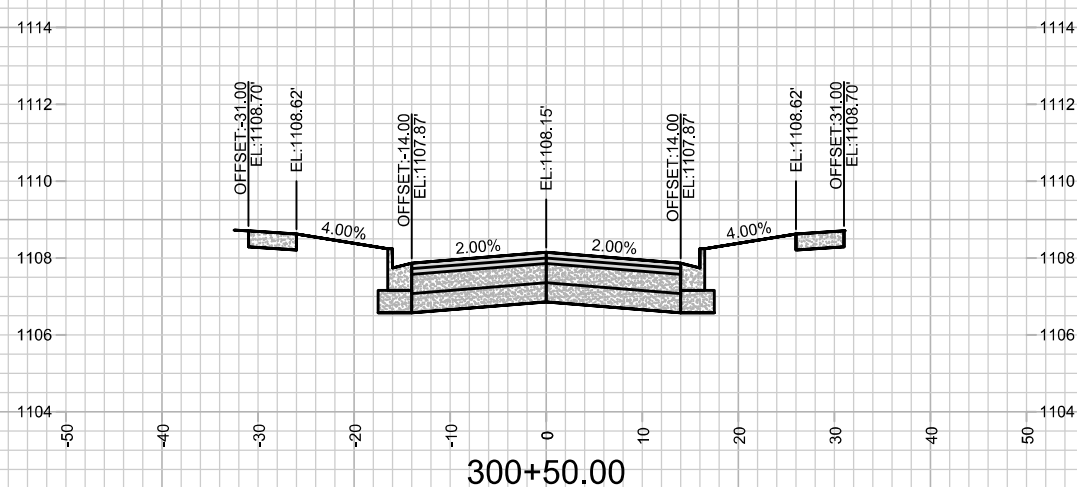
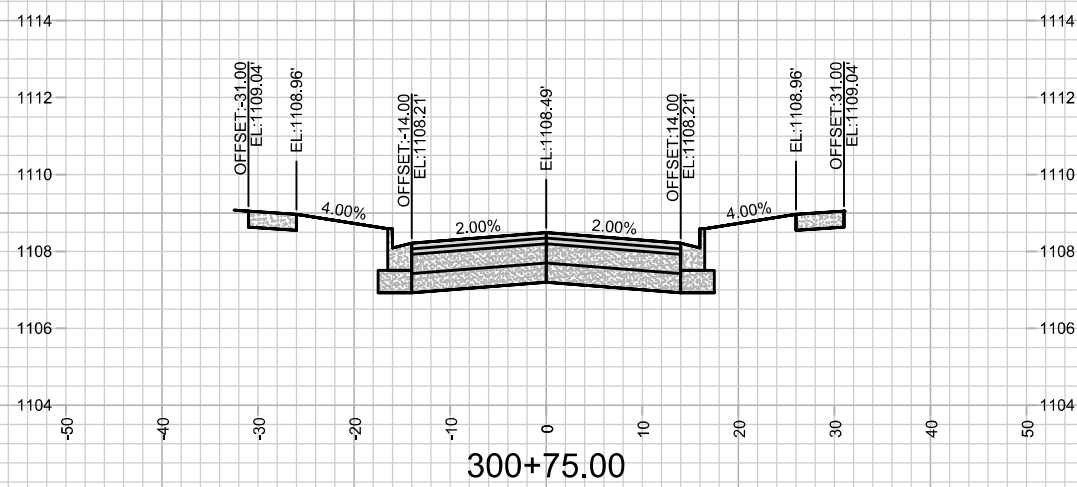
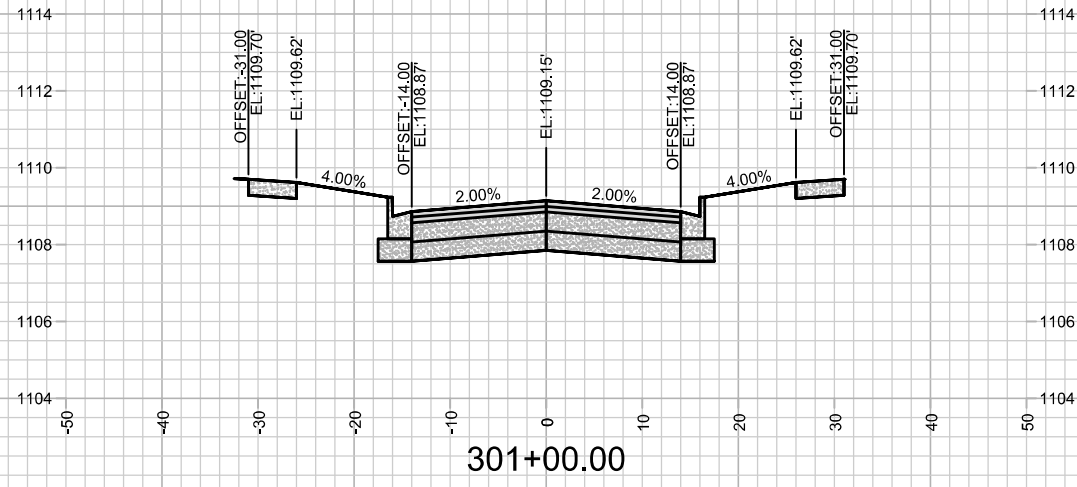
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X-13

CROSS SECTIONS - VELOCITY LN

HILL VALLEY PHASE 2A

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