

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS

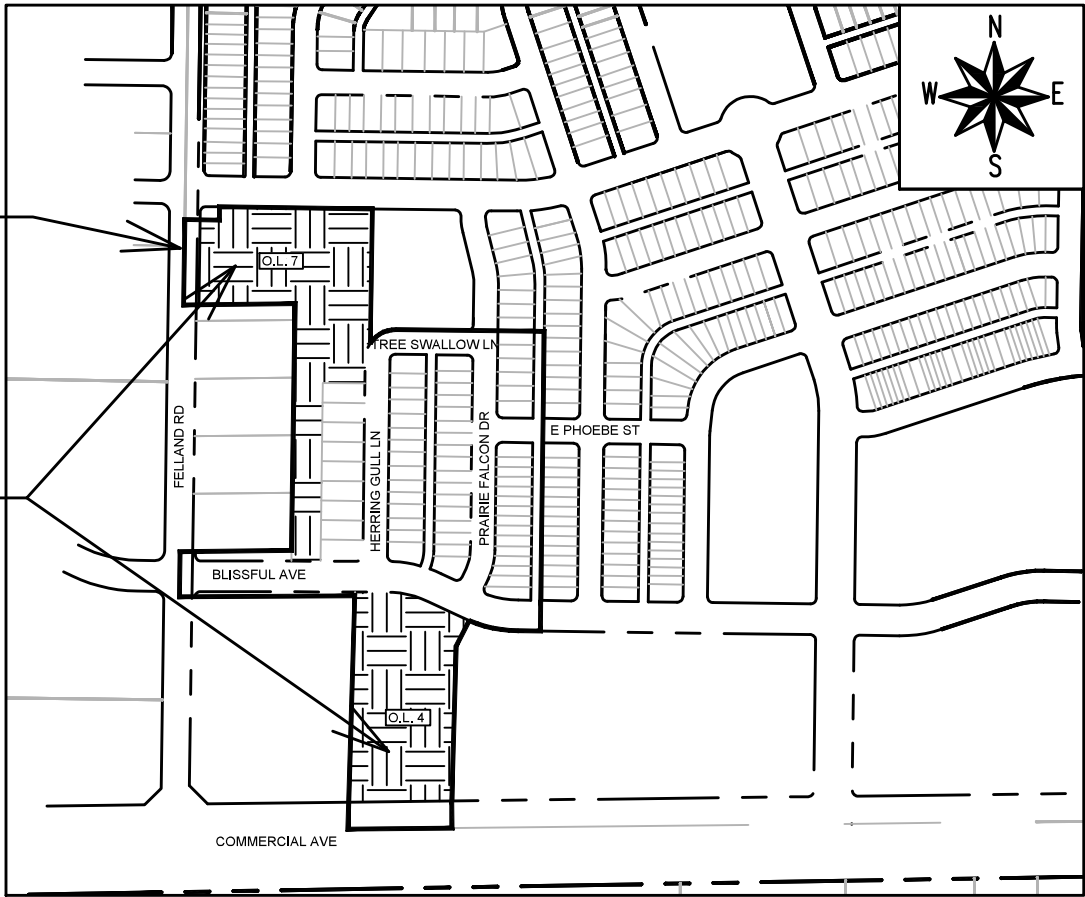
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SHEET NO.	MN1	MAINTENANCE PLAN (CITY USE ONLY)

REV1 - 8/11/2026
SHEETS ADDED: W10
SHEETS REVISED: P2-4, U3-4,
U12, USTM2, W1, W3-4, X9

REV2 - 9/11/2026
SHEETS REVISED: P1, P2, X2, X3,
MN1

PHASE LIMITS

PUBLIC PONDS
SEE PROJECT
NO. 16089



REILAND GROVE PHASE 1

CITY PROJECT NO. 16088
CONTRACT NO. 9720

PUBLIC IMPROVEMENT PROJECT
APPROVED

MARCH 24, 2026

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

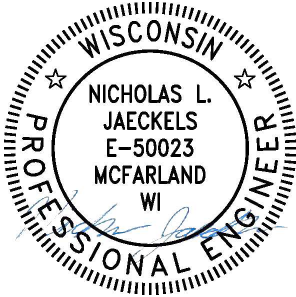
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

07/24/2026

City Engineer

Date

STREET
DESIGNED BY:



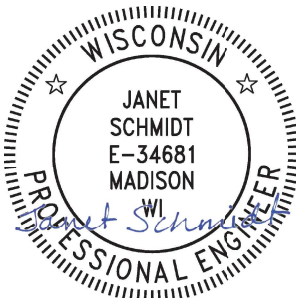
07/24/2026

SANITARY SEWER
DESIGNED BY:



07/24/2026

STORM SEWER
DESIGNED BY:



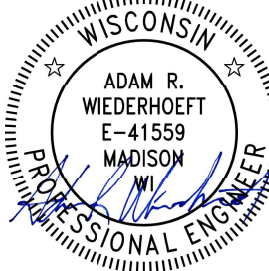
07/24/2026

GEOMETRY & PAVEMENT MARKINGS
DESIGNED BY:



07/24/2026

WATER
DESIGNED BY:



07/24/2026

PLOT SCALE: 1"=1'-XREF

PLOT NAME: ---

REV. DATE: 7/23/2026 8:09 AM

ORIGINATOR: CITY_OF_MADISON

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

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, NICK JAECKELS, AT NJAECKELS@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 BLISSFUL AVENUE, HERRING GULL LANE, TREE SWALLOW LANE, PRAIRIE FALCON DRIVE, AND EASTERN PHOEBE STREET RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE FELLAND 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.

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 —

16088

MADISON, WI

9720

CONTRACT NO:

STANDARD NOTES

REILAND GROVE PHASE 1

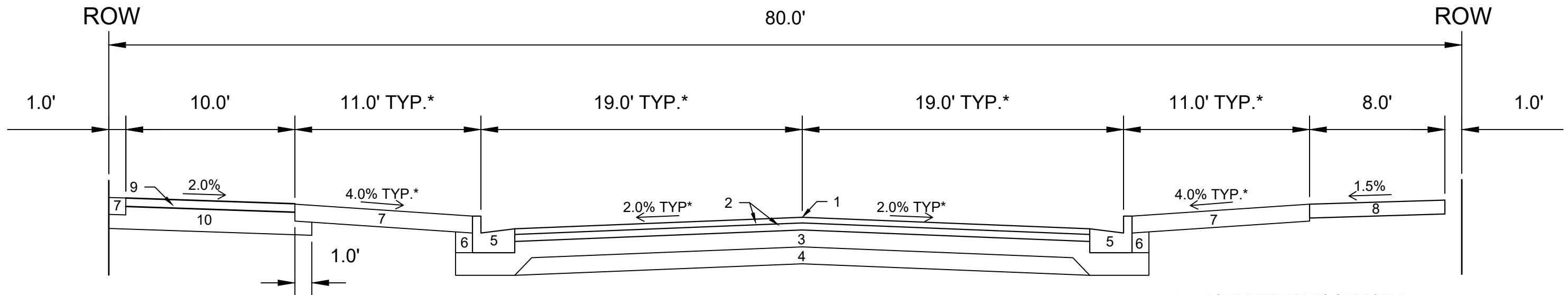
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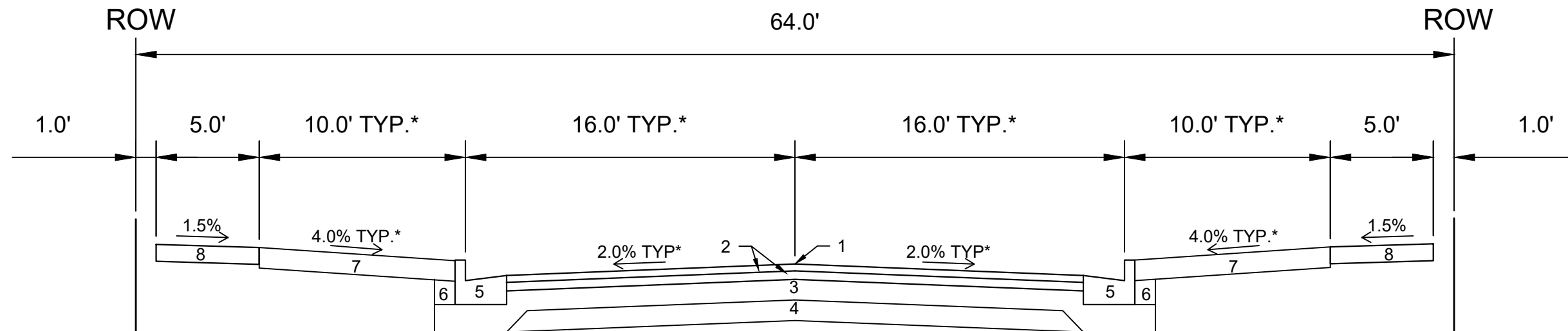


TYPICAL SECTION
BLISSFUL AVENUE

- 1 POINT REFERRED TO ON PROFILE
- 2 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S**
- 3 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 5 CONCRETE CURB AND GUTTER TYPE 'A'.
- 6 FILL
- 7 6.00" TOPSOIL, SEED AND MATTING
- 8 5.00" CONCRETE SIDEWALK
- 9 3.00" H.M.A. PAVEMENT - TYPE 4 LT 58-28 S
- 10 8.00" CRUSHED AGGREGATE BASE COURSE GRADATION 2

SPECIAL NOTES:

- * SEE P & X SHEETS FOR VARYING CROSS SLOPES AND WIDTHS
** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY



TYPICAL SECTION
HERRING GULL LANE / TREE SWALLOW LANE
PRAIRIE FALCON DRIVE

- 1 POINT REFERRED TO ON PROFILE
- 2 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S**
- 3 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 5 CONCRETE CURB AND GUTTER TYPE 'A'.
- 6 FILL
- 7 6.00" TOPSOIL, SEED AND MATTING
- 8 5.00" CONCRETE SIDEWALK

SPECIAL NOTES:

- * SEE P & X SHEETS FOR VARYING CROSS SLOPES AND WIDTHS
** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

DATE	BY
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MADISON, WI
9720
CONTRACT NO:

TYPICAL SECTIONS
REILAND GROVE PHASE 1
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D-2

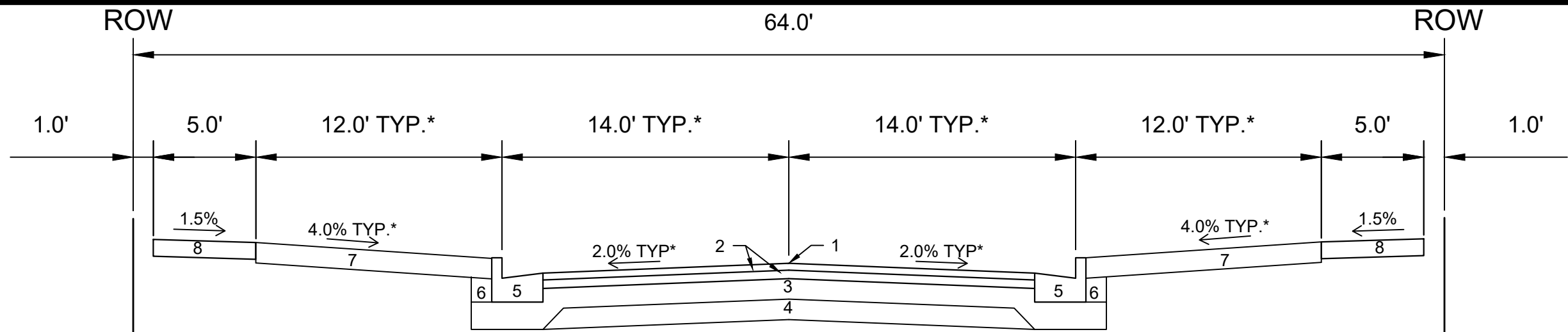
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9720
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D-3

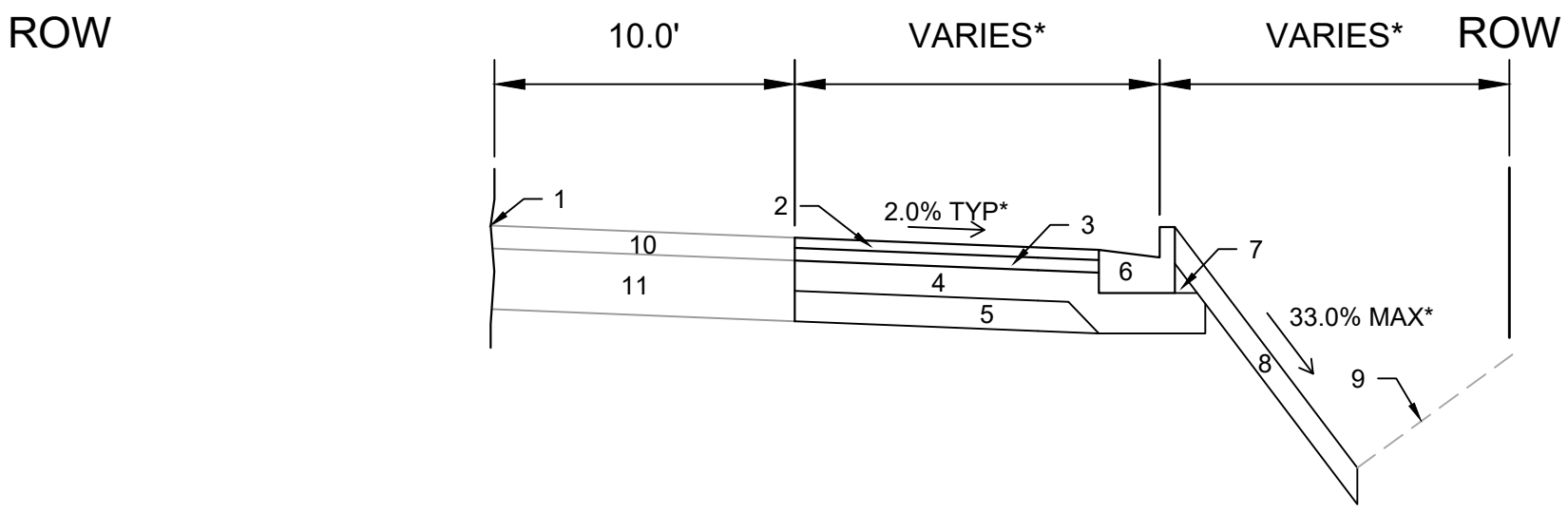


TYPICAL SECTION
EASTERN PHOEBE STREET

SPECIAL NOTES:

- * SEE P & X SHEETS FOR VARYING CROSS SLOPES AND WIDTHS
- ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

- 1 POINT REFERRED TO ON PROFILE
- 2 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S**
- 3 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 5 CONCRETE CURB AND GUTTER TYPE 'A'.
- 6 FILL
- 7 6.00" TOPSOIL, SEED AND MATTING
- 8 5.00" CONCRETE SIDEWALK



TYPICAL SECTION
FELLAND ROAD

SPECIAL NOTES:

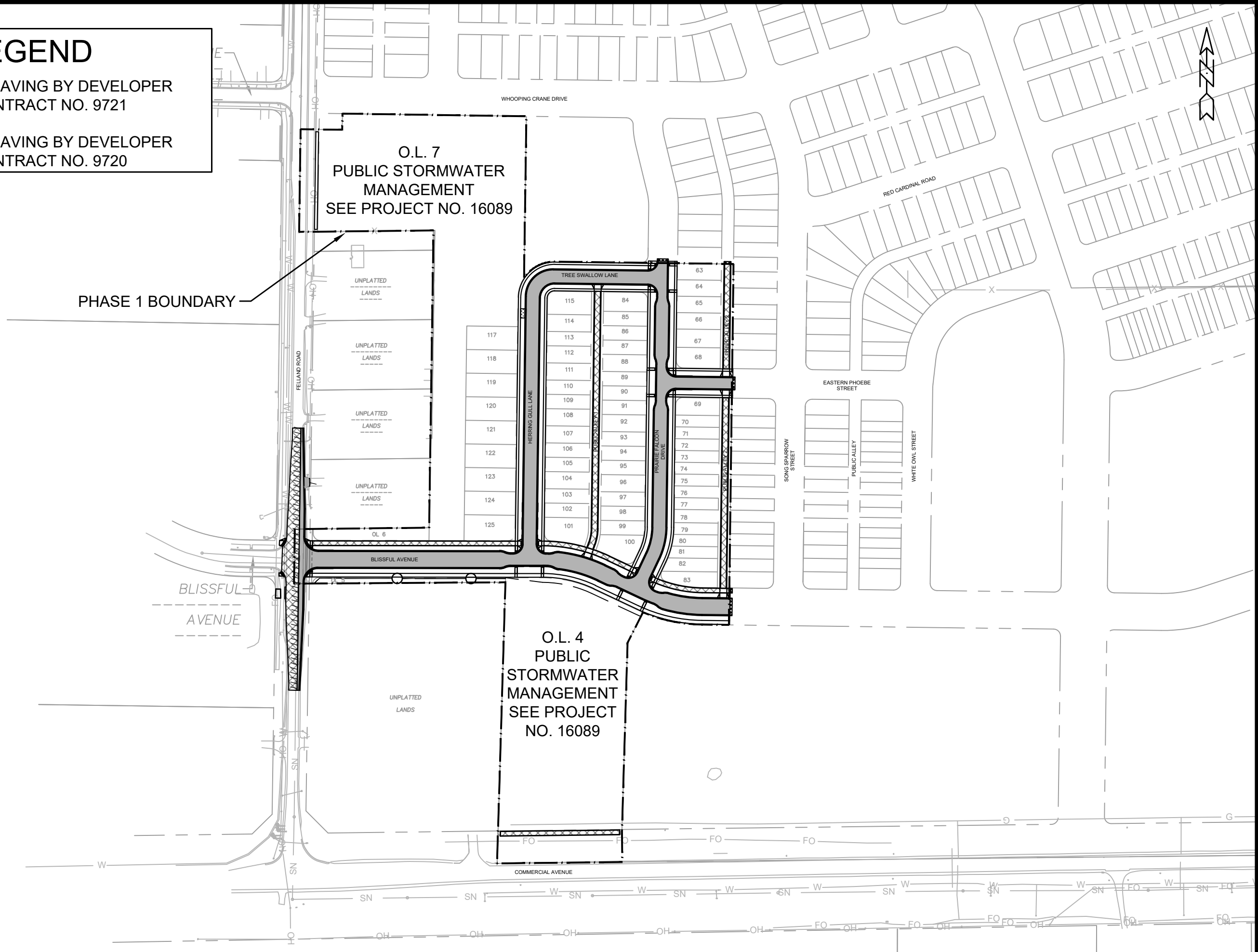
- * SEE P & X SHEETS FOR VARYING CROSS SLOPES AND WIDTHS
- ** SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY

- 1 POINT REFERRED TO ON PROFILE
- 2 2.00" H.M.A. PAVEMENT- TYPE 4 MT 58-28 S**
- 3 3.50" H.M.A. PAVEMENT- TYPE 3 MT 58-28 S**
- 4 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 5 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- 6 CONCRETE CURB AND GUTTER TYPE 'A'.
- 7 FILL
- 8 6.00" TOPSOIL, SEED AND MATTING
- 9 EX. GROUND SURFACE TO REMAIN
- 10 EX. ASPHALTIC PAVEMENT TO REMAIN
- 11 EX. PAVEMENT BASE TO REMAIN

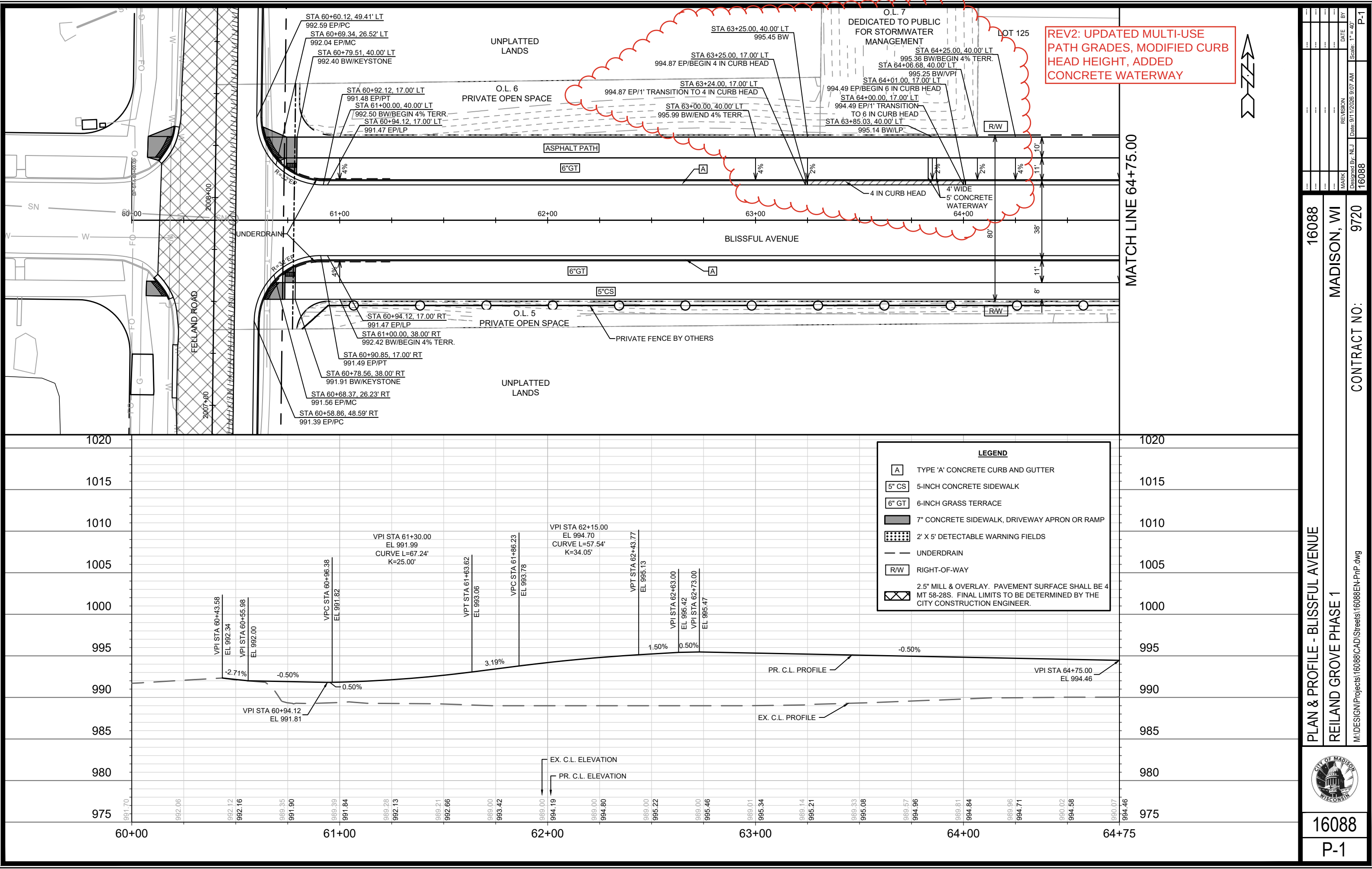
LEGEND

 SURFACE PAVING BY DEVELOPER
UNDER CONTRACT NO. 9721

 SURFACE PAVING BY DEVELOPER
UNDER CONTRACT NO. 9720



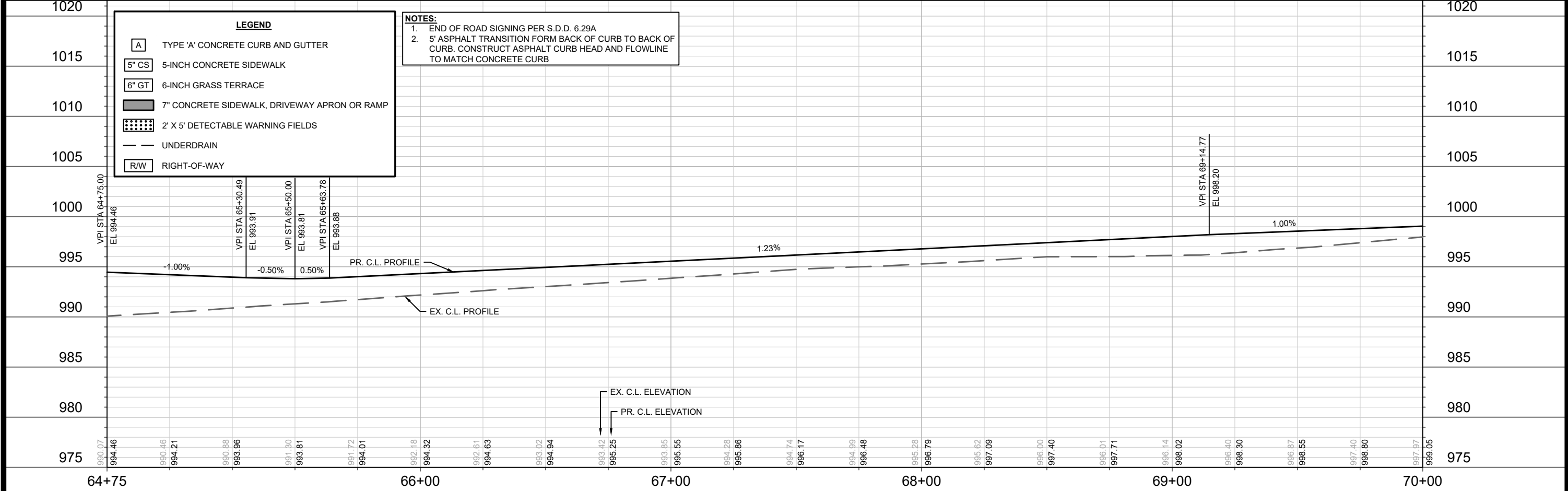
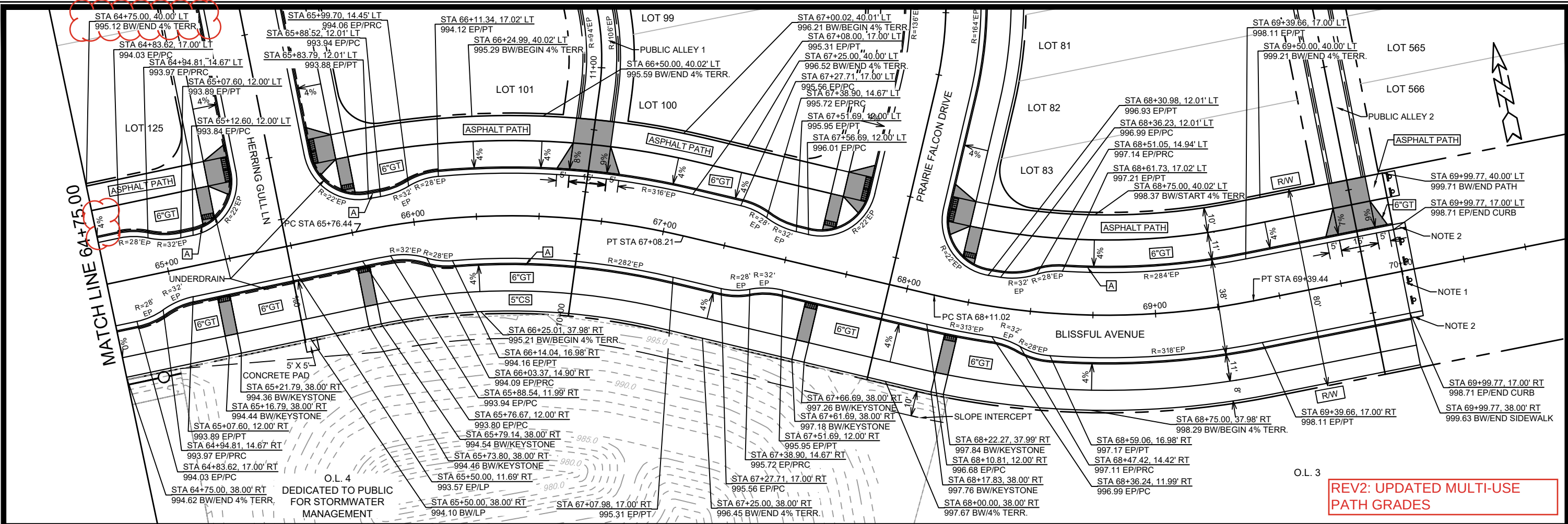
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REILAND GROVE PHASE 1		MADISON, WI	
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		O-1	
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REVISION	DATE
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Scale: 1" = 40'	16088
Designed By: NLL	16088

16088
MADISON, WI
CONTRACT NO: 9720

PLAN & PROFILE - BLISSFUL AVENUE
REILAND GROVE PHASE 1
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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:

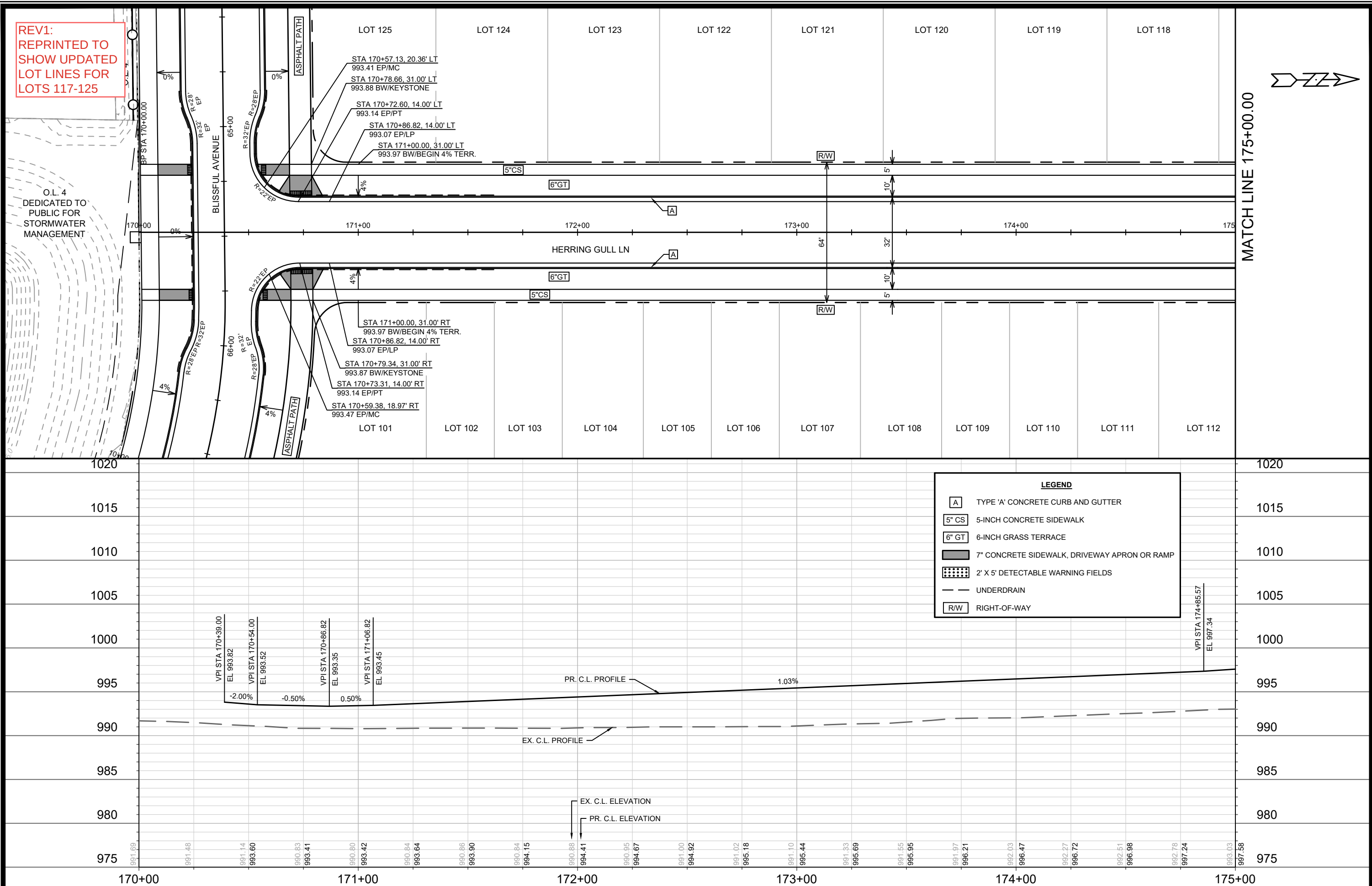
1. END OF ROAD SIGNING PER S.D.D. 6.29A
2. 5' ASPHALT TRANSITION FORM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB

REV2: UPDATED MULTI-USE PATH GRADES

16088	MADISON, WI	9720	CONTRACT NO:
PLAN & PROFILE - BLISSFUL AVENUE			
REILAND GROVE PHASE 1			
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CITY OF MADISON WISCONSIN			
16088			
P-2			

REV1:
REPRINTED TO
SHOW UPDATED
LOT LINES FOR
LOTS 117-125

O.L. 4
DEDICATED TO
PUBLIC FOR
STORMWATER
MANAGEMENT



16088

MADISON, WI

CONTRACT NO: 9720

PLAN & PROFILE - HERRING GULL LANE - TREE SWALLOW LANE

REILAND GROVE PHASE 1

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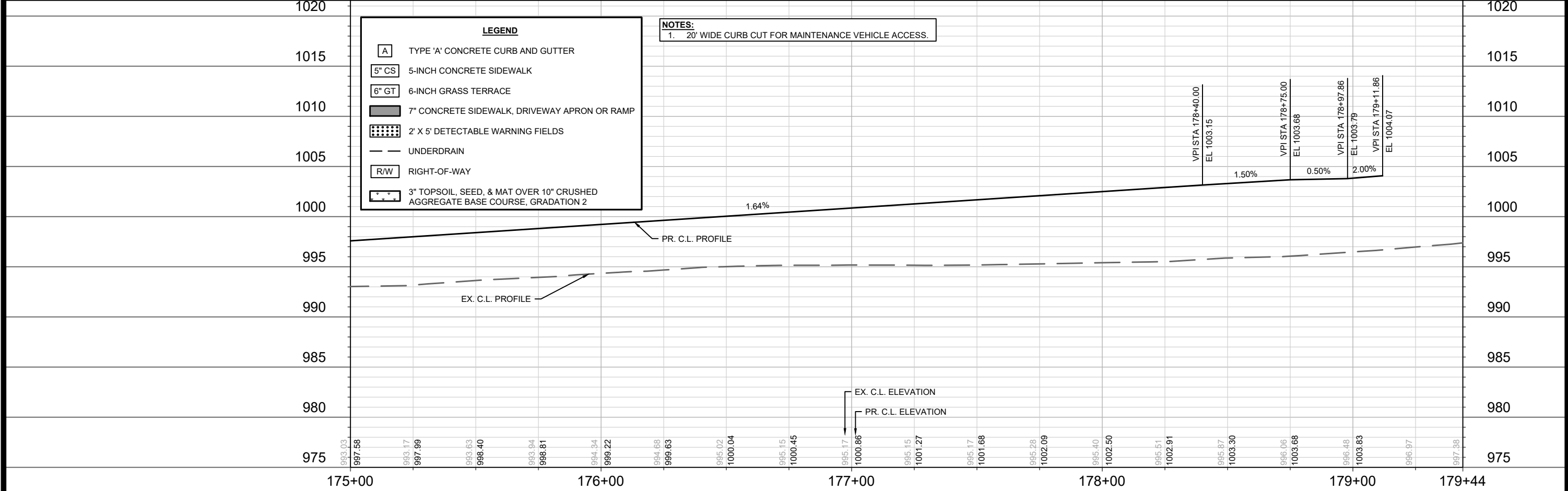
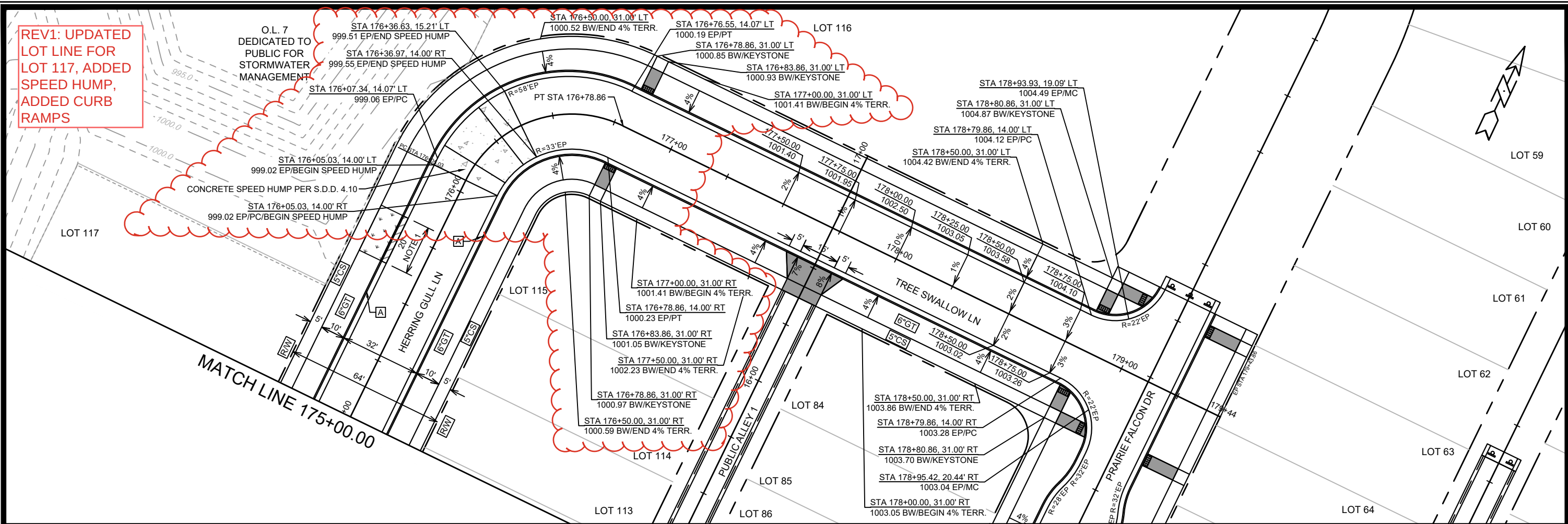


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P-3

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REV1: UPDATED
LOT LINE FOR
LOT 117, ADDED
SPEED HUMP,
ADDED CURB
RAMPS



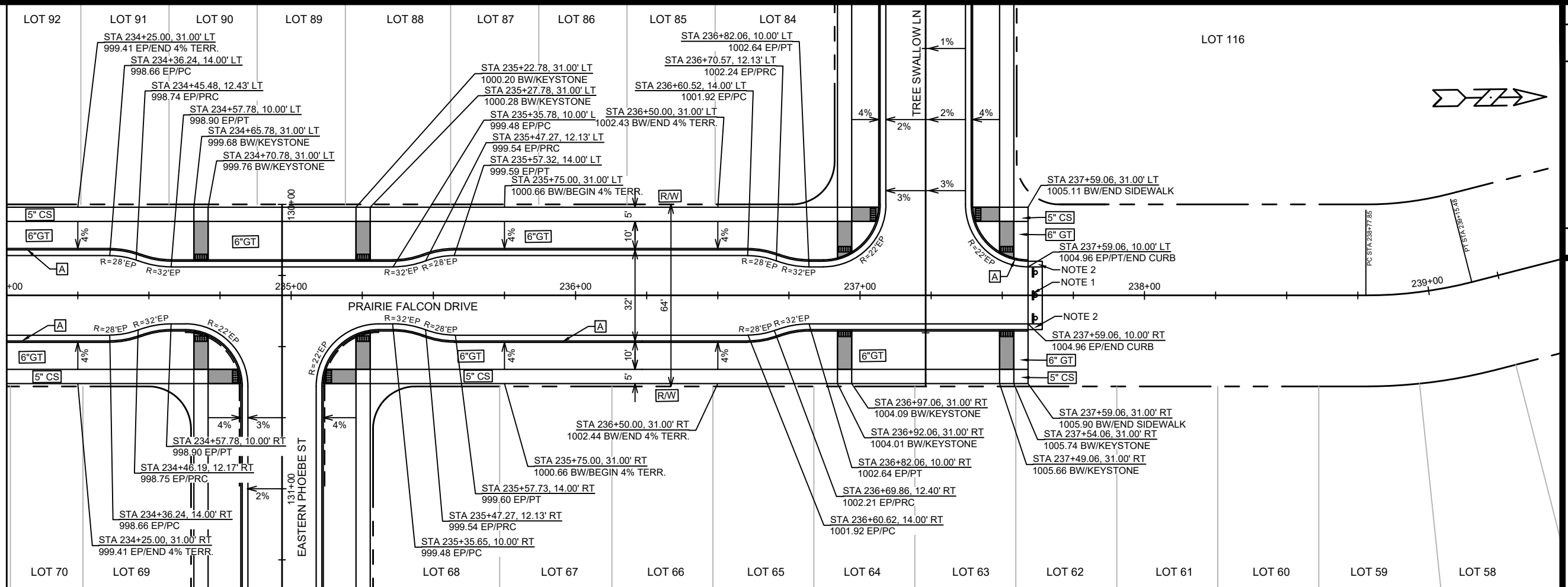
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PLAN & PROFILE - HERRING GULL LANE - TREE SWALLOW LANE
REILAND GROVE PHASE 1
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P-4

MATCH LINE 234+00.00

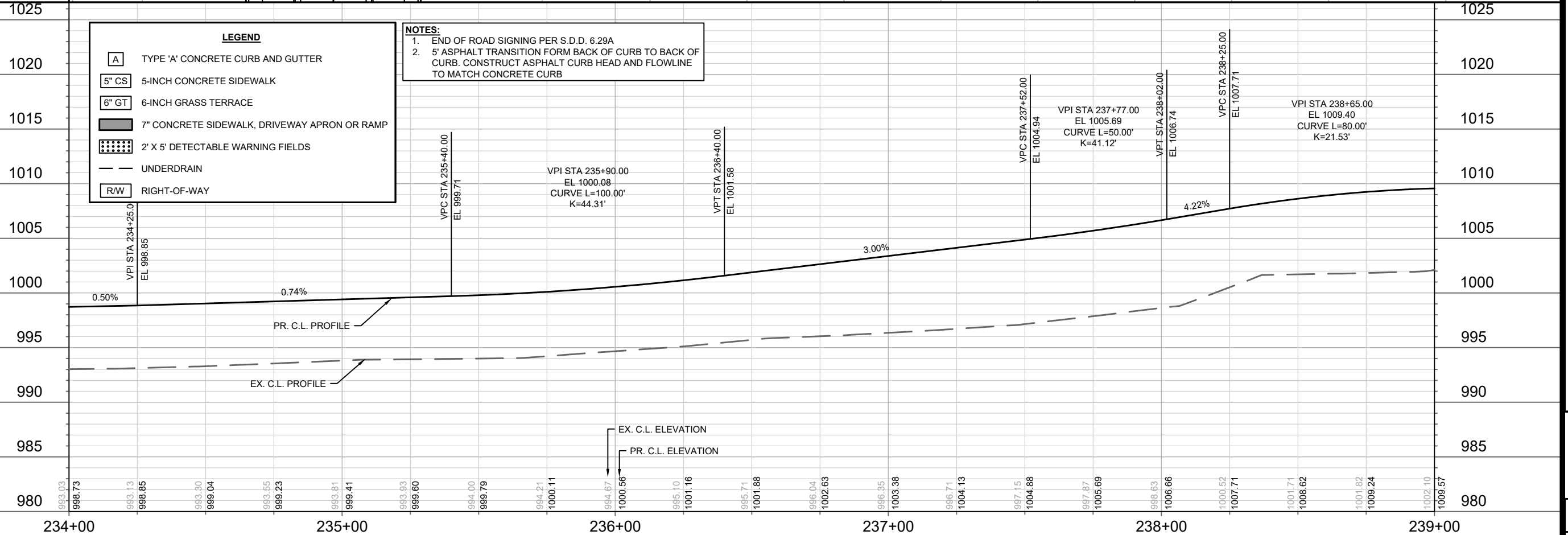


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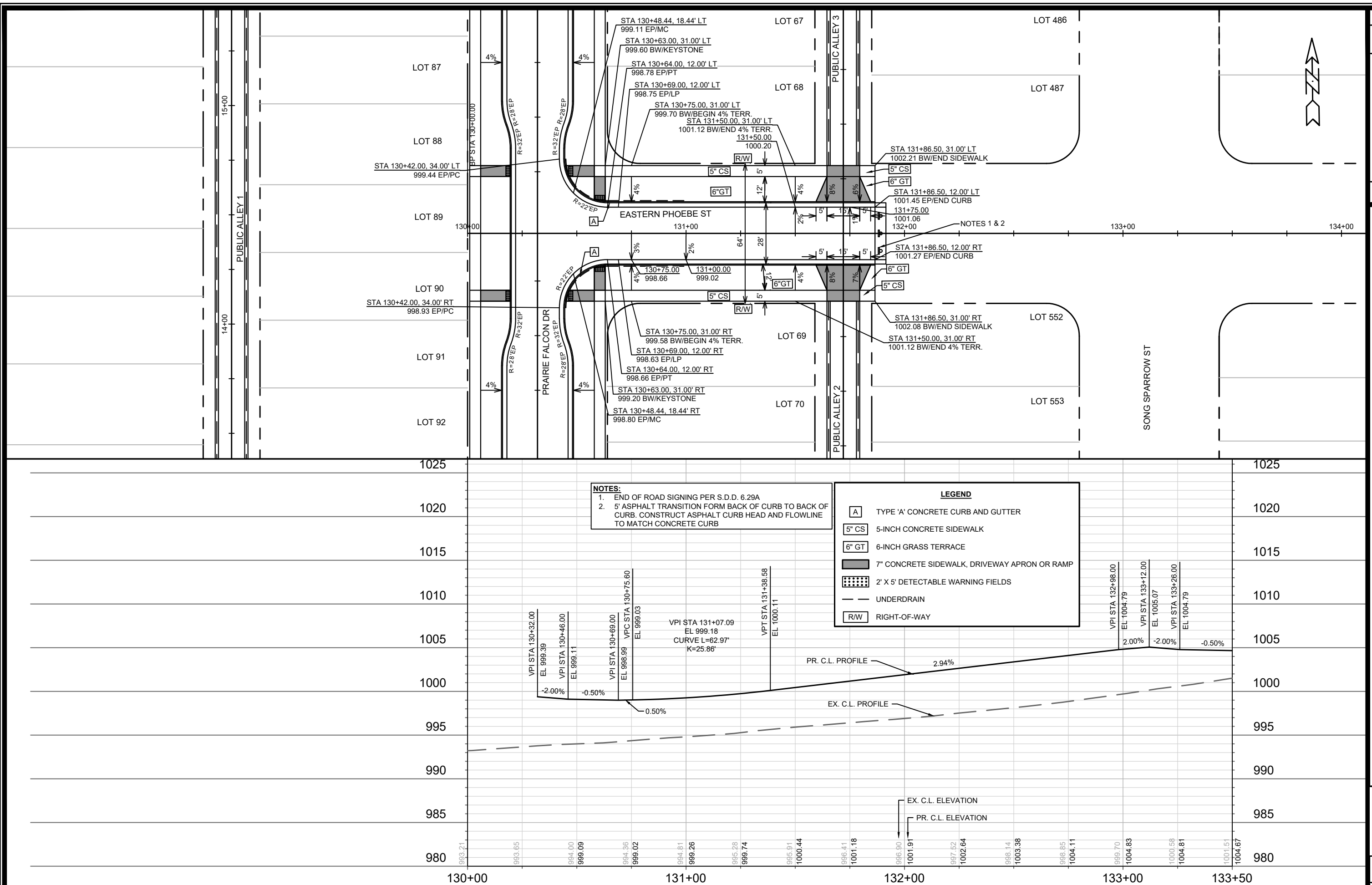
- [A] TYPE 'A' CONCRETE CURB AND GUTTER
- [5" CS] 5-INCH CONCRETE SIDEWALK
- [6" GT] 6-INCH GRASS TERRACE
- [7" CONCRETE] 7" CONCRETE SIDEWALK, DRIVEWAY APRON OR RAMP
- [2' X 5' DETECTABLE] 2' X 5' DETECTABLE WARNING FIELDS
- [---] UNDERDRAIN
- [R/W] RIGHT-OF-WAY

NOTES:

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



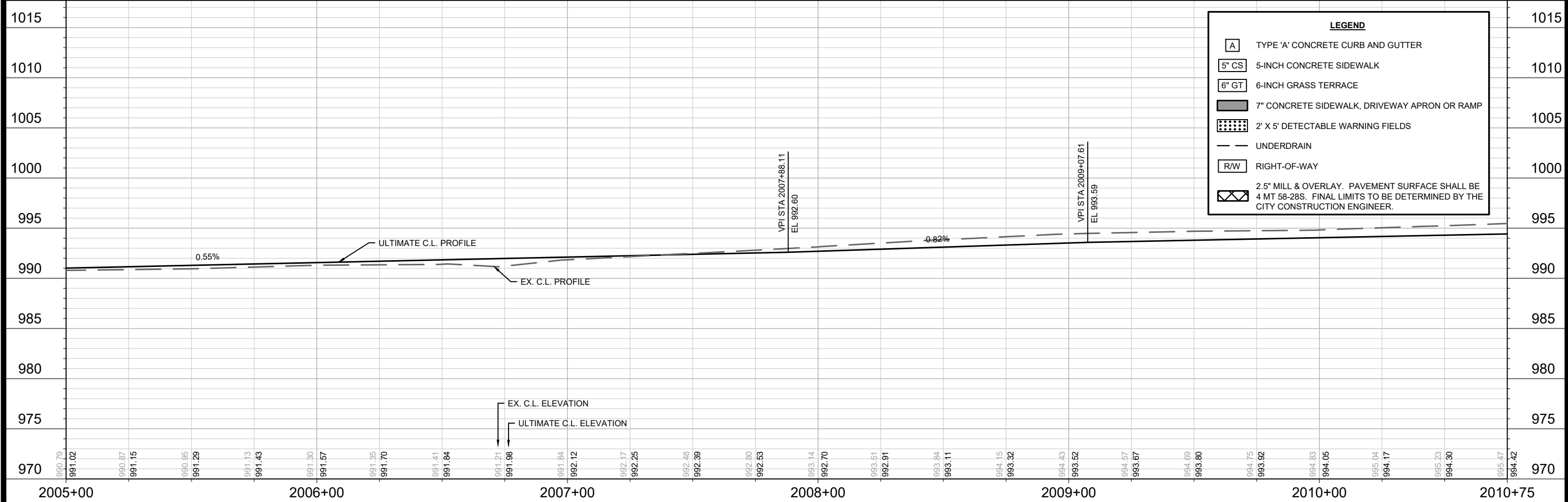
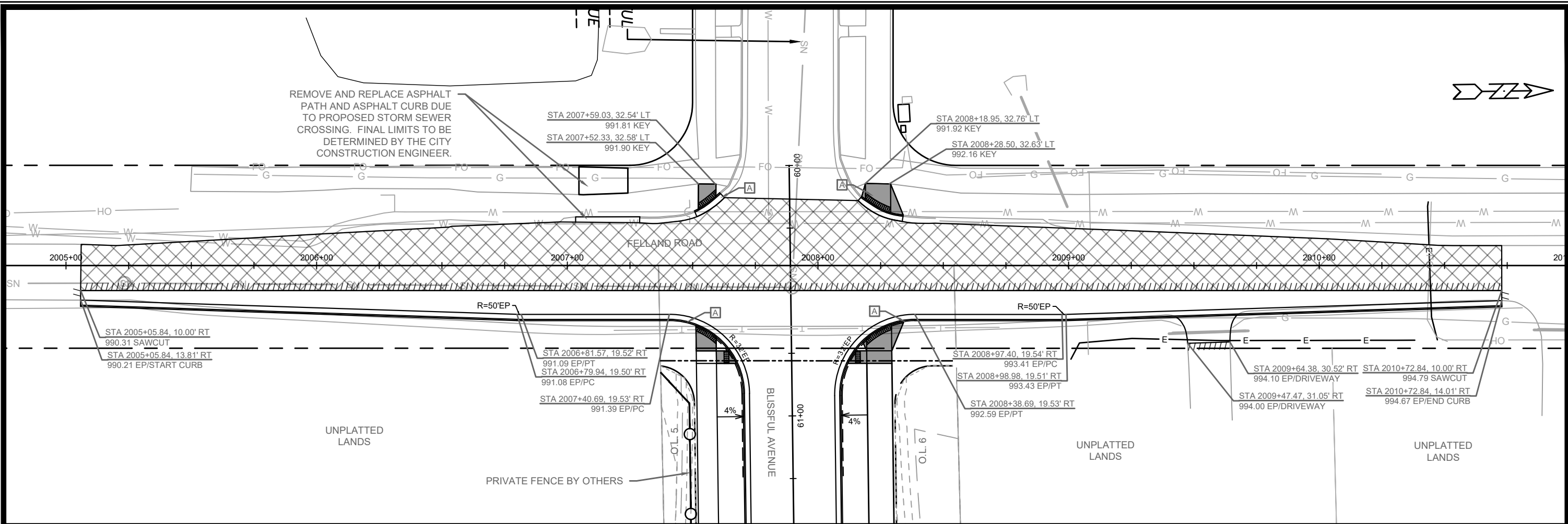
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PLAN & PROFILE - PRAIRIE FALCON DRIVE			
REILAND GROVE PHASE 1			
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CITY OF MADISON WISCONSIN			
16088			
P-6			

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PLAN & PROFILE - EASTERN PHOEBE STREET	16088
REILAND GROVE PHASE 1	MADISON, WI
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CONTRACT NO:	9720



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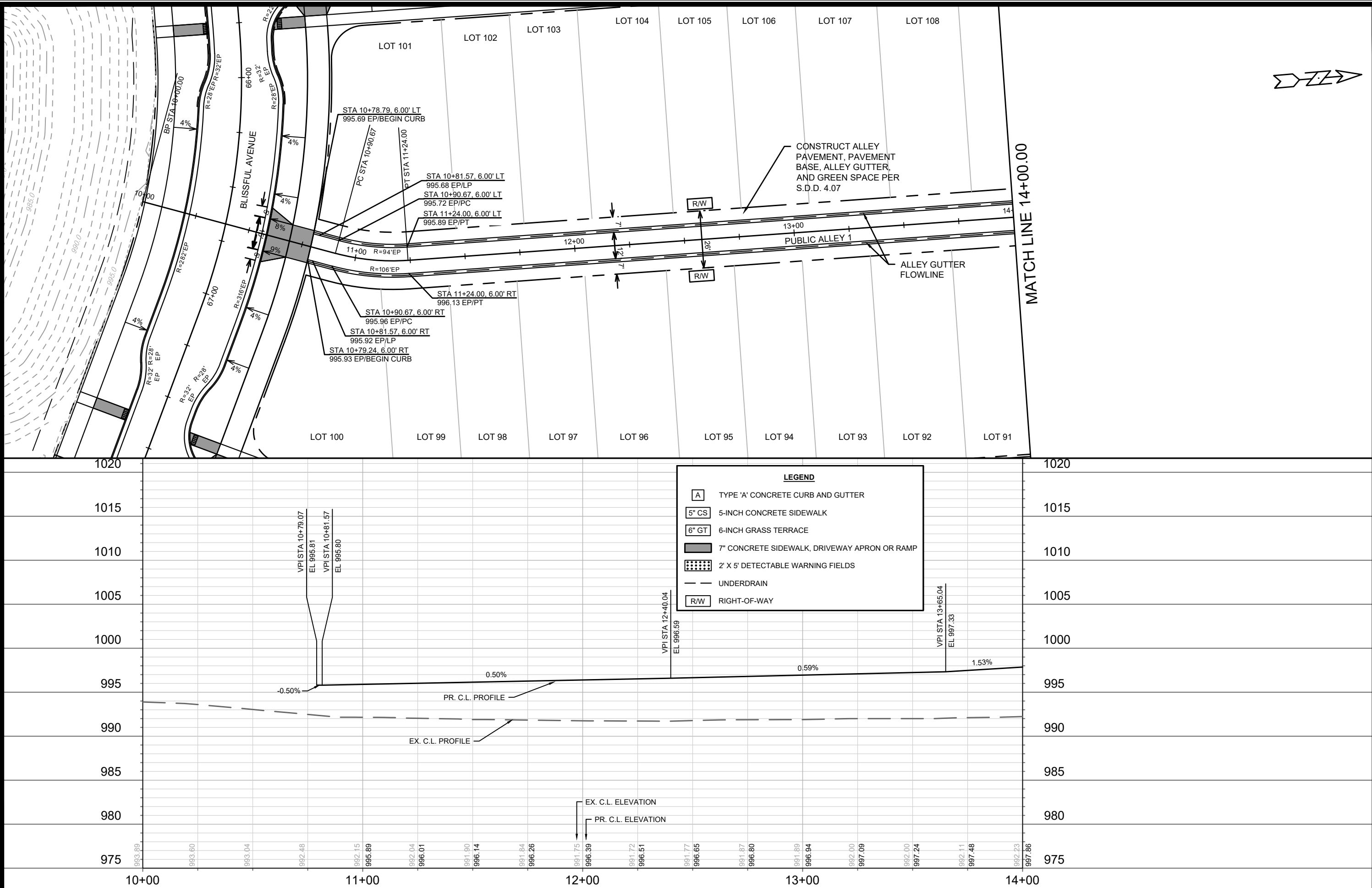


LEGEND

- [A] TYPE 'A' CONCRETE CURB AND GUTTER
- [5" CS] 5-INCH CONCRETE SIDEWALK
- [6" GT] 6-INCH GRASS TERRACE
- [7" CONCRETE] 7" CONCRETE SIDEWALK, DRIVEWAY APRON OR RAMP
- [2' X 5' DETECTABLE] 2' X 5' DETECTABLE WARNING FIELDS
- [---] UNDERDRAIN
- [RW] RIGHT-OF-WAY
- [X] 2.5" MILL & OVERLAY. PAVEMENT SURFACE SHALL BE 4 MT 58-28S. FINAL LIMITS TO BE DETERMINED BY THE CITY CONSTRUCTION ENGINEER.

16088	MADISON, WI	9720	CONTRACT NO:
PLAN & PROFILE - FELLAND ROAD			
REILAND GROVE PHASE 1			
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P-8			

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16088

MADISON, WI

REILAND GROVE PHASE 1

16088

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PLAN & PROFILE - PUBLIC ALLEY 1

REILAND GROVE PHASE 1

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CONTRACT NO:

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REVISION

DATE

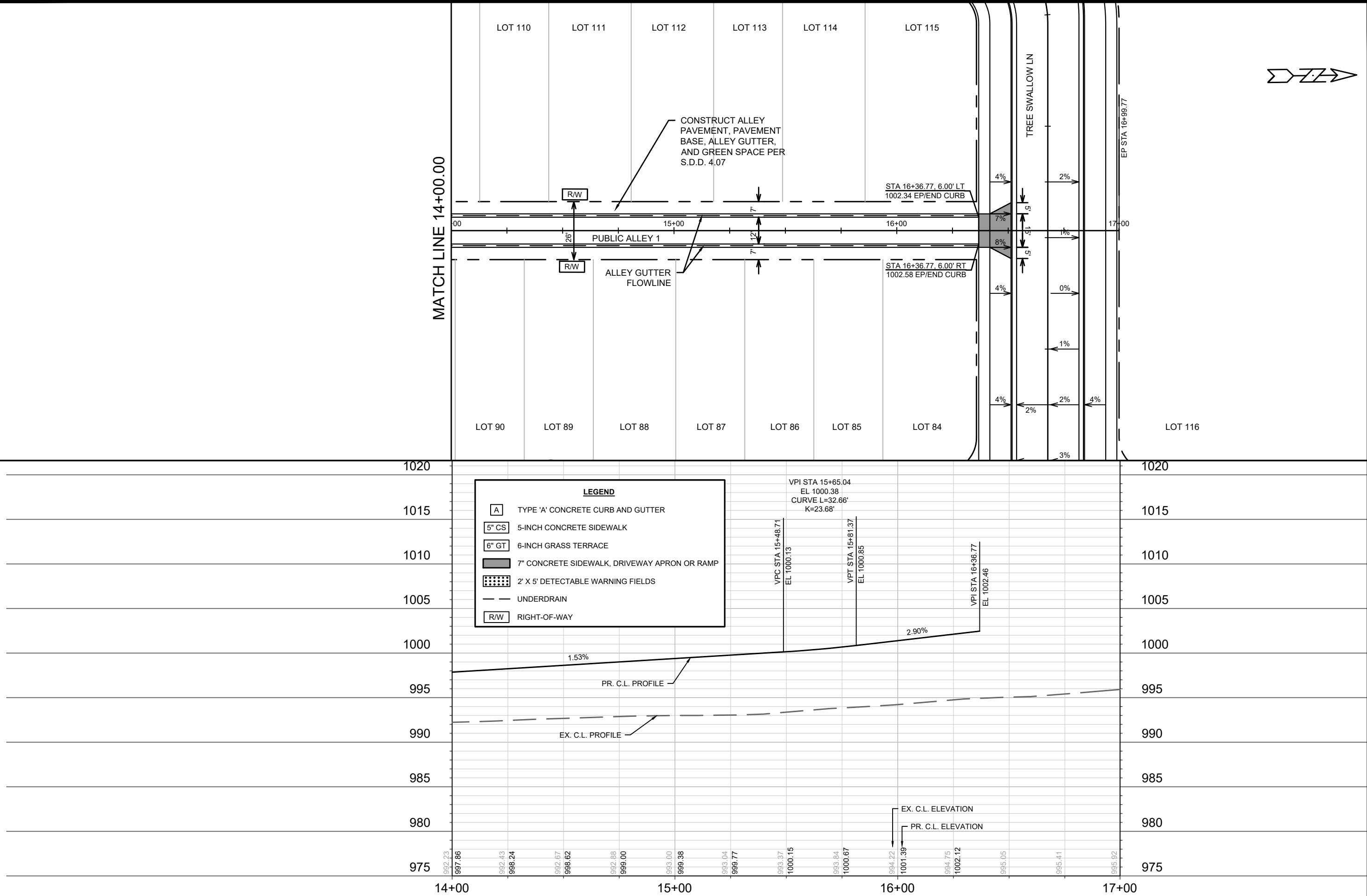
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P-9



16088

MADISON, WI

REILAND GROVE PHASE 1

16088

P-10

16088

CONTRACT NO:

9720

16088

REVISION

MARK

DATE

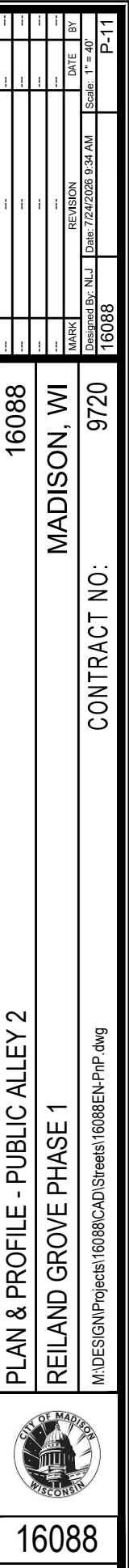
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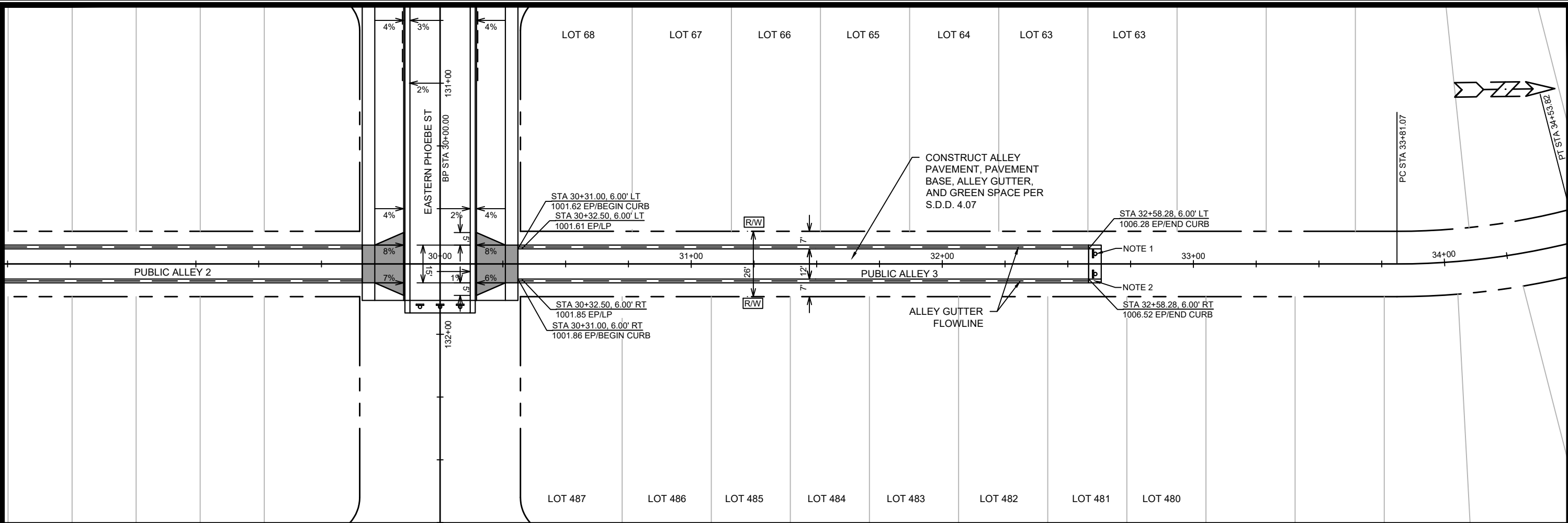
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P-10



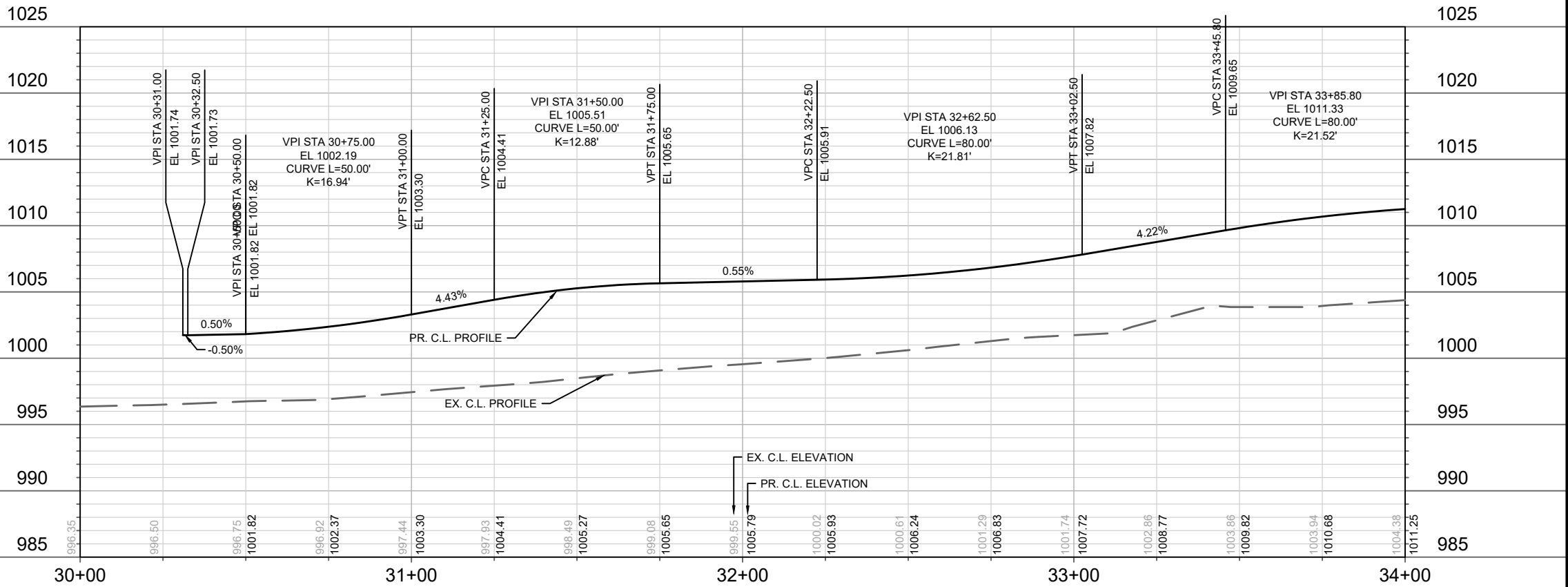


LEGEND

- 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

NOTES:

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



16088

MADISON, WI

CONTRACT NO: 9720

PLAN & PROFILE - PUBLIC ALLEY 3

REILAND GROVE PHASE 1

16088

P-12

16088

Designed By: N.L.J.

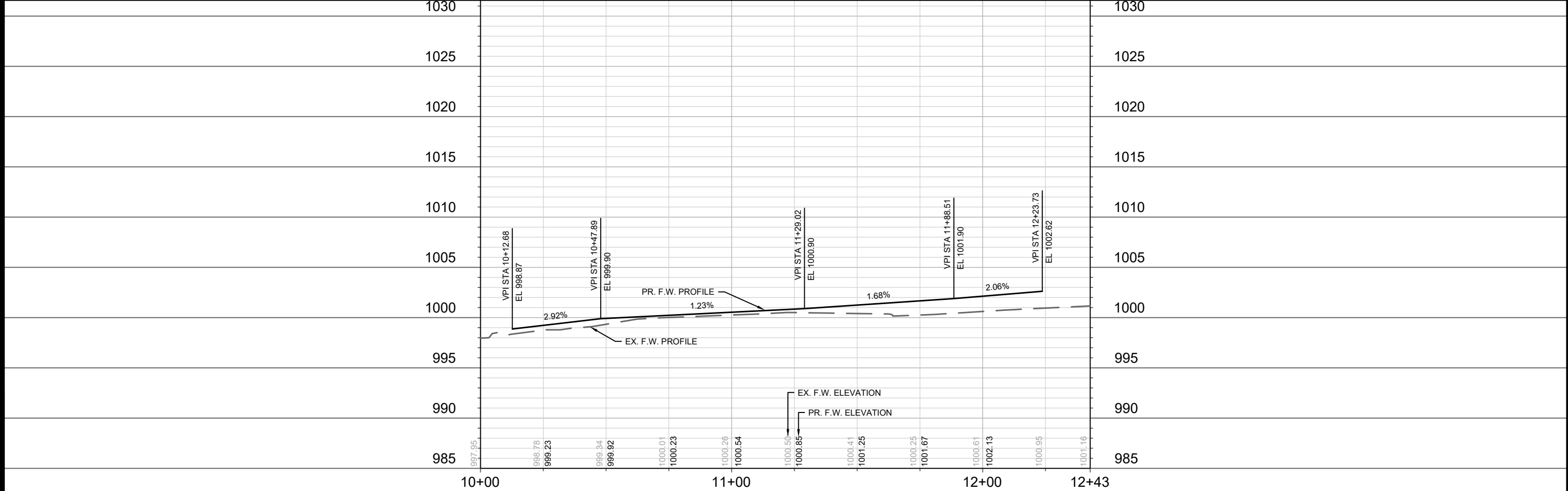
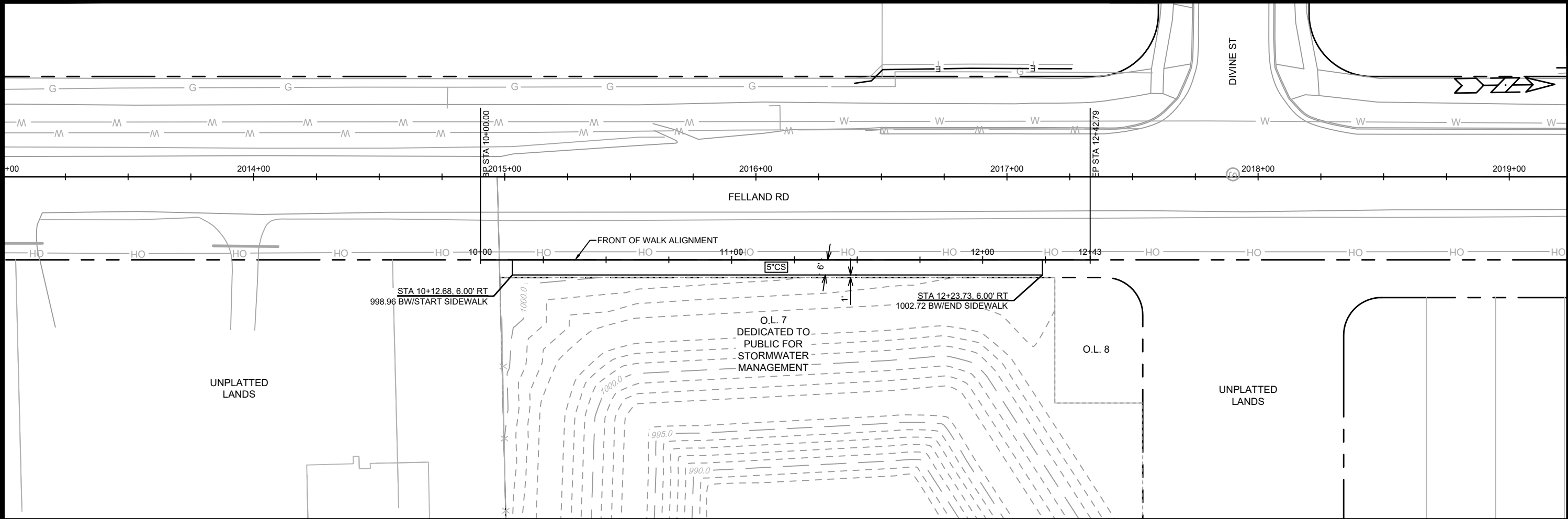
REVISION

DATE

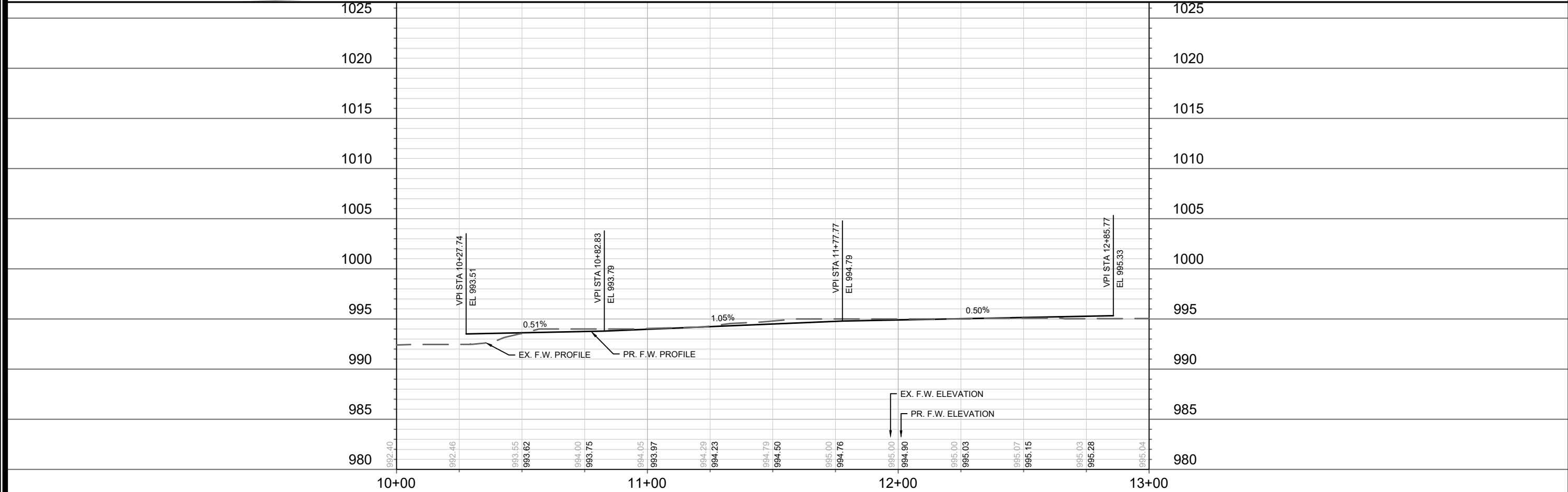
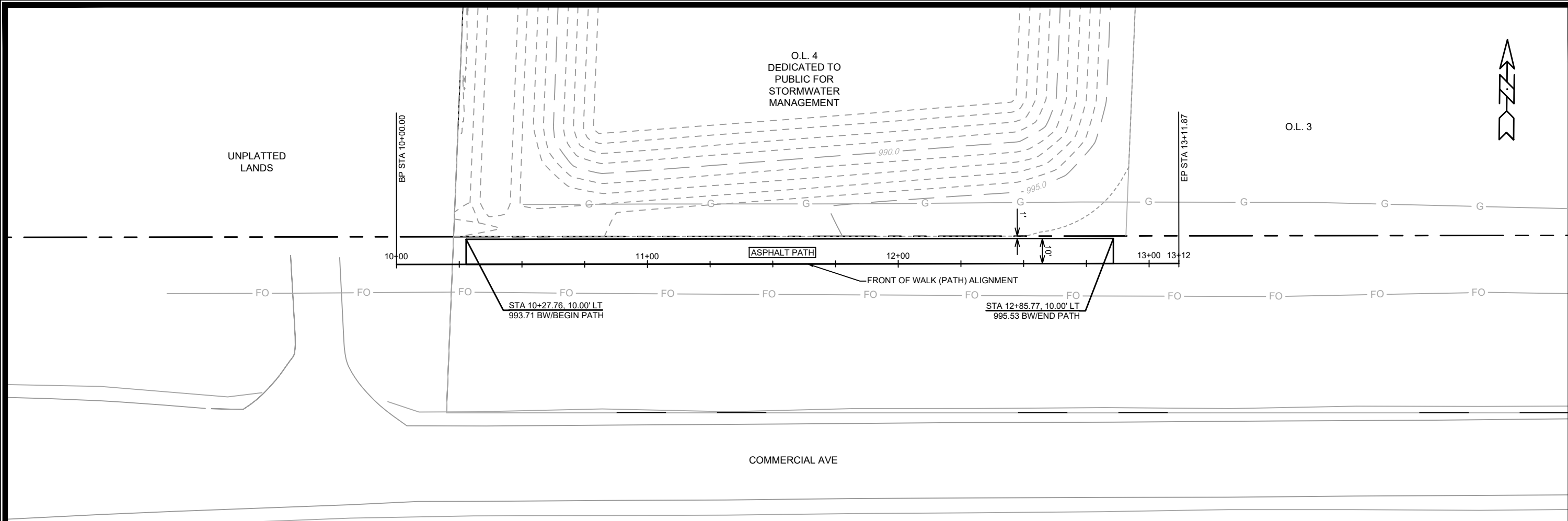
BY

Scale: 1" = 40'

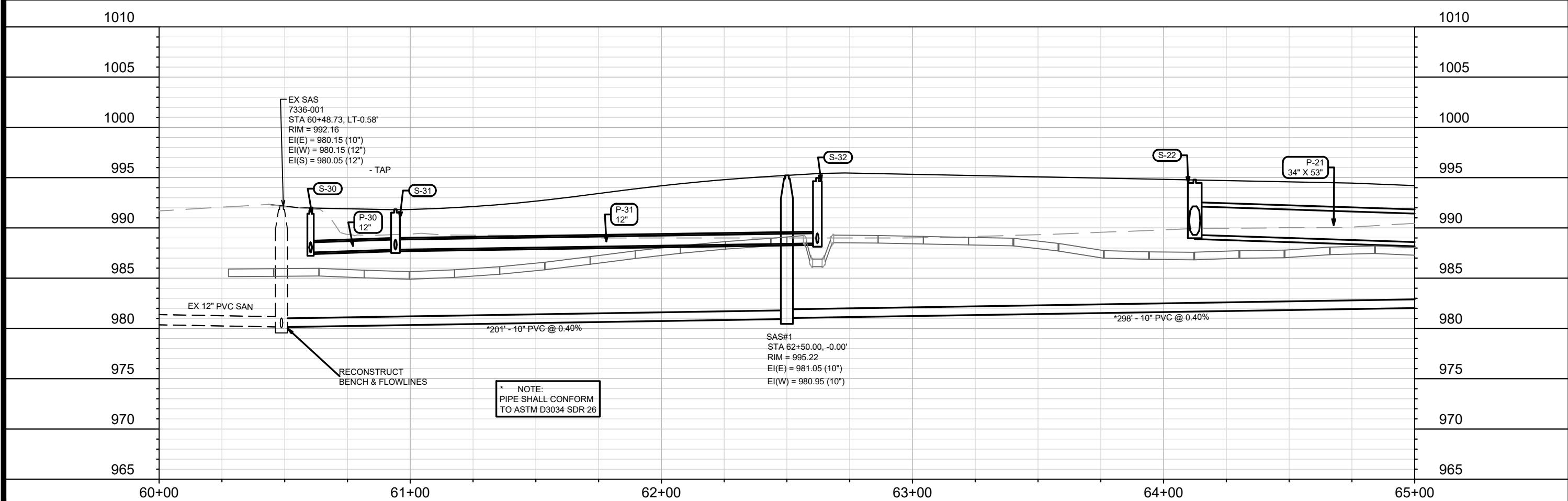
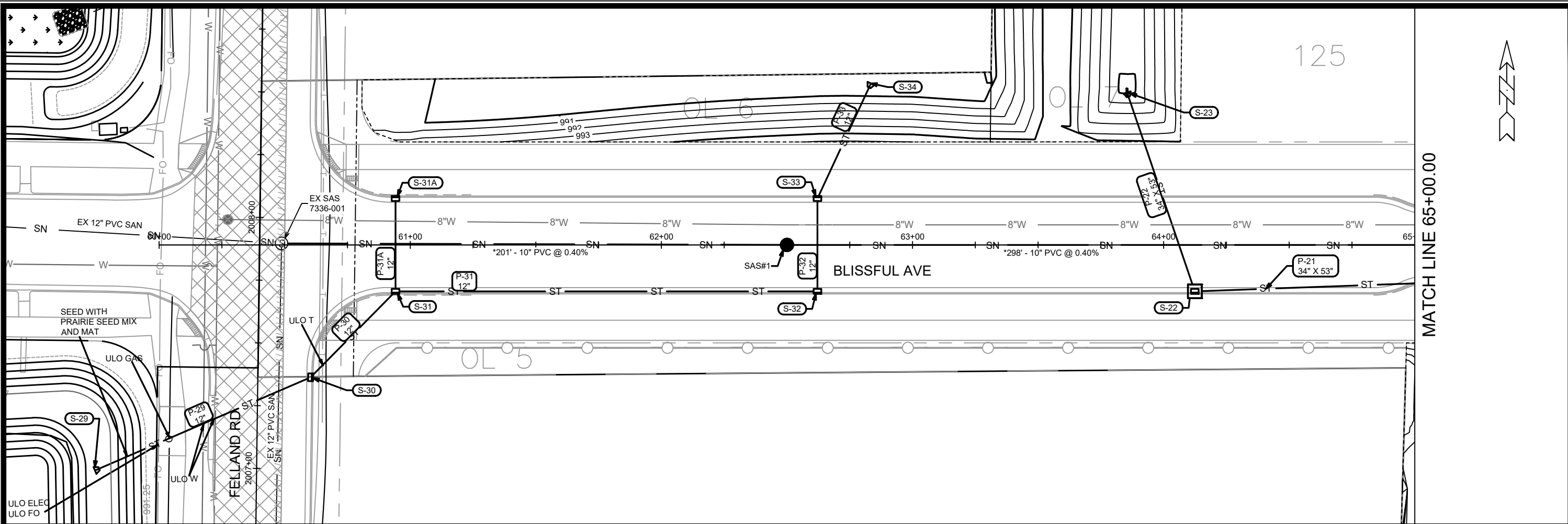
P-12



16088		MADISON, WI		CONTRACT NO: 9720	
PLAN & PROFILE -O.L. 7 SIDEWALK		REILAND GROVE PHASE 1		M:\DESIGN\Projects\16088\CAD\Streets\16088EN-PnP.dwg	
		16088		P-13	
MARK		REVISION		DATE	
BY		BY		BY	
Date: 7/24/2026 9:34 AM		Scale: 1" = 40'		P-13	

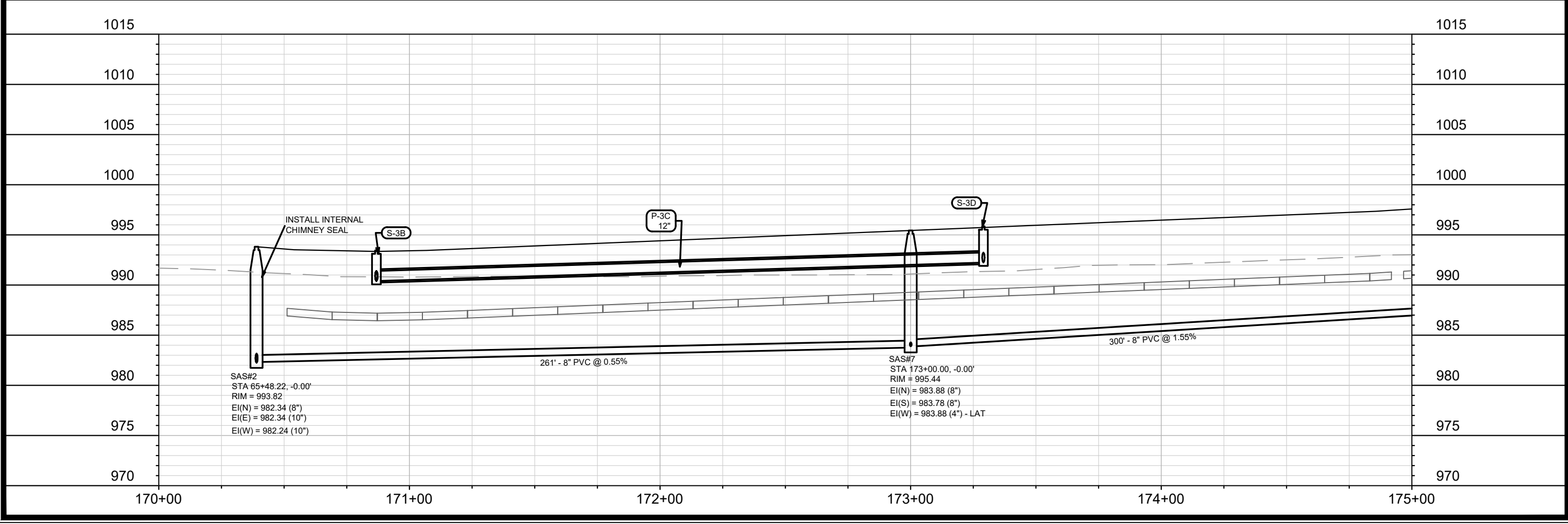
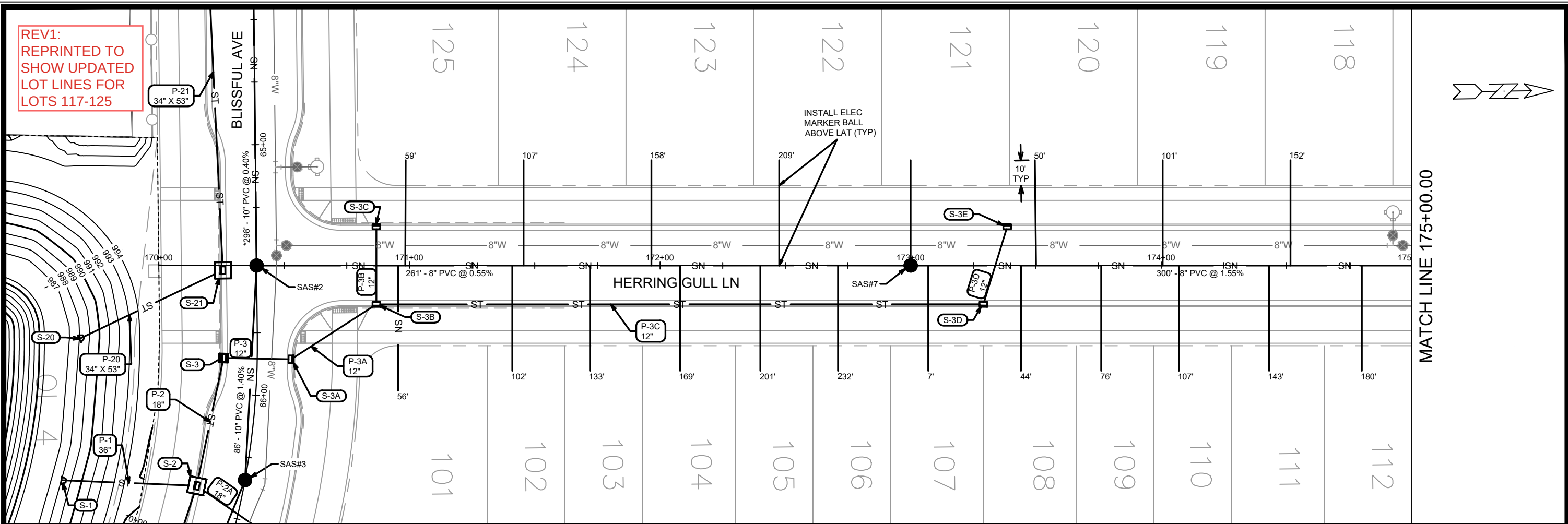


16088		16088		16088	
REILAND GROVE PHASE 1		MADISON, WI		P-14	
CONTRACT NO: 9720		Scale: 1" = 40'		P-14	
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CITY OF MADISON WISCONSIN		REVISION		DATE	
PLAN & PROFILE - O.L. 4 MULTI-USE PATH		MARK		BY	



16088		MADISON, WI		CONTRACT NO: 9720	
UTILITIES PLAN & PROFILE - BLISSFUL AVENUE		REILAND GROVE PHASE 1		16088	
U-1		U-1		U-1	
M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg		M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg		M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg	
DATE: 7/22/2026 1:19 PM		DATE: 7/22/2026 1:19 PM		DATE: 7/22/2026 1:19 PM	
REVISION		REVISION		REVISION	
BY		BY		BY	
U-1		U-1		U-1	

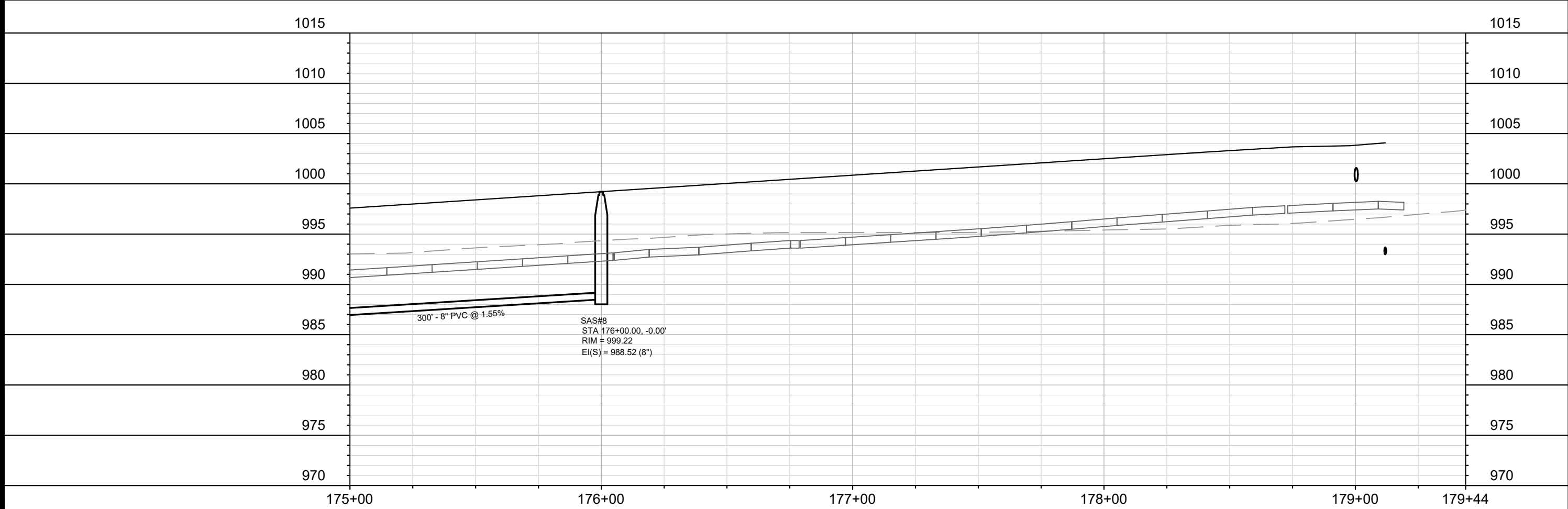
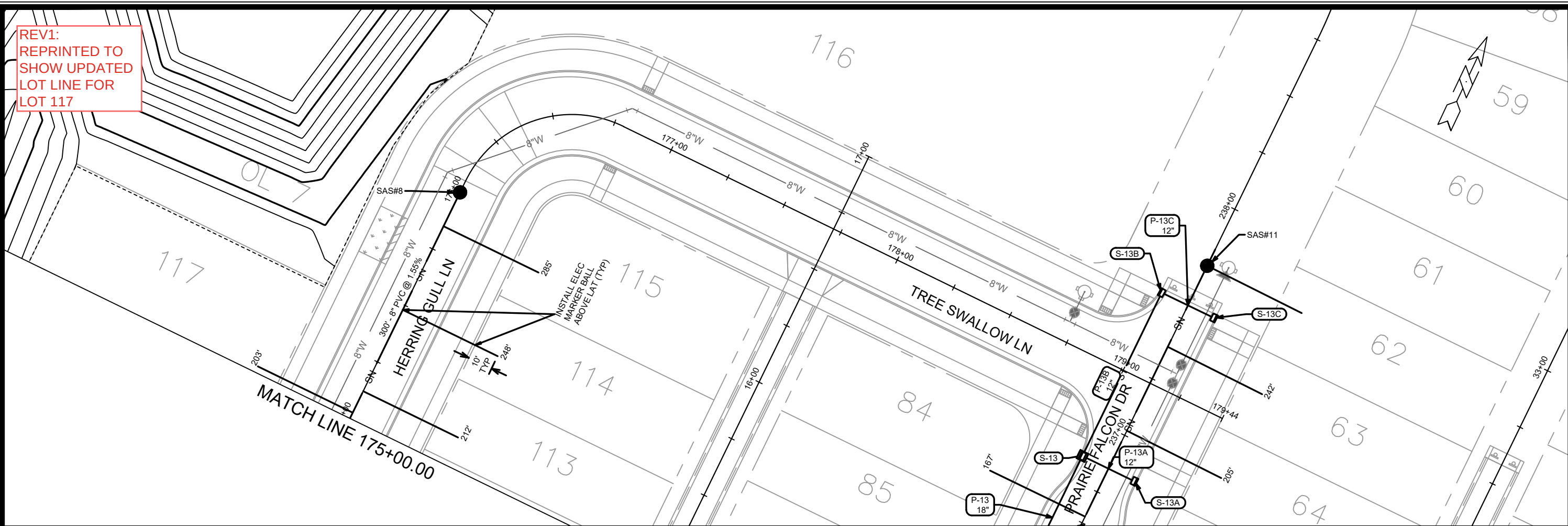
REV1:
REPRINTED TO
SHOW UPDATED
LOT LINES FOR
LOTS 117-125



16088		MADISON, WI		CONTRACT NO: 9720	
UTILITIES PLAN & PROFILE - HERRING GULL LANE		REILAND GROVE PHASE 1		M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg	
16088		U-3		U-3	

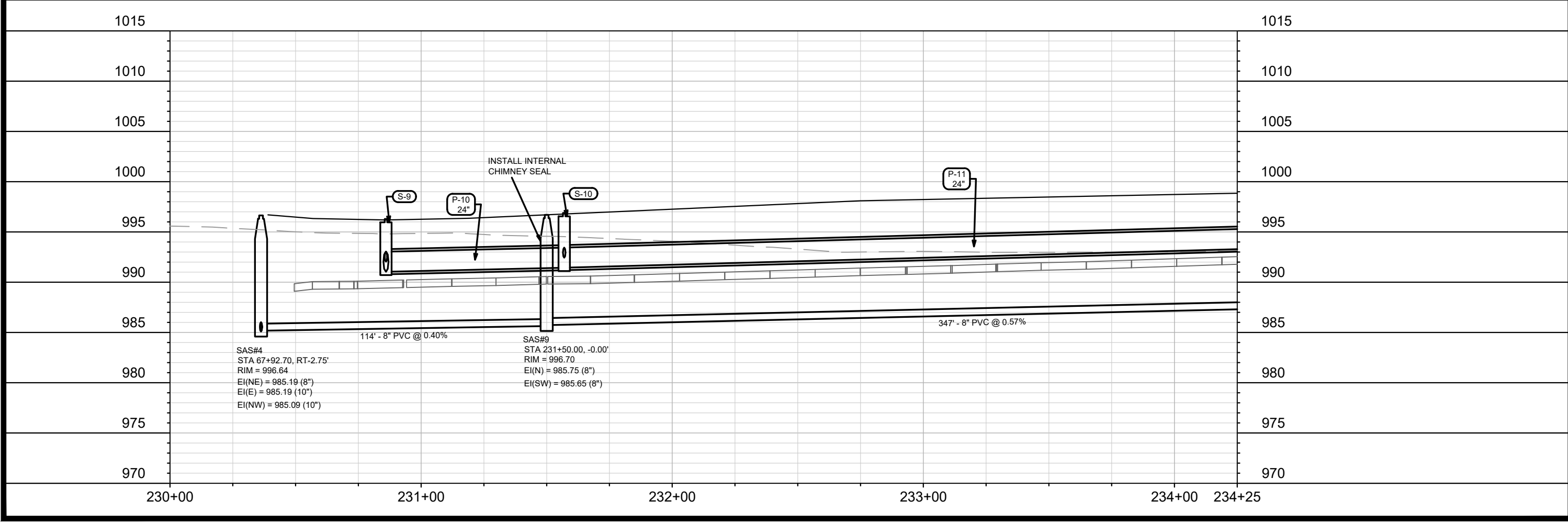
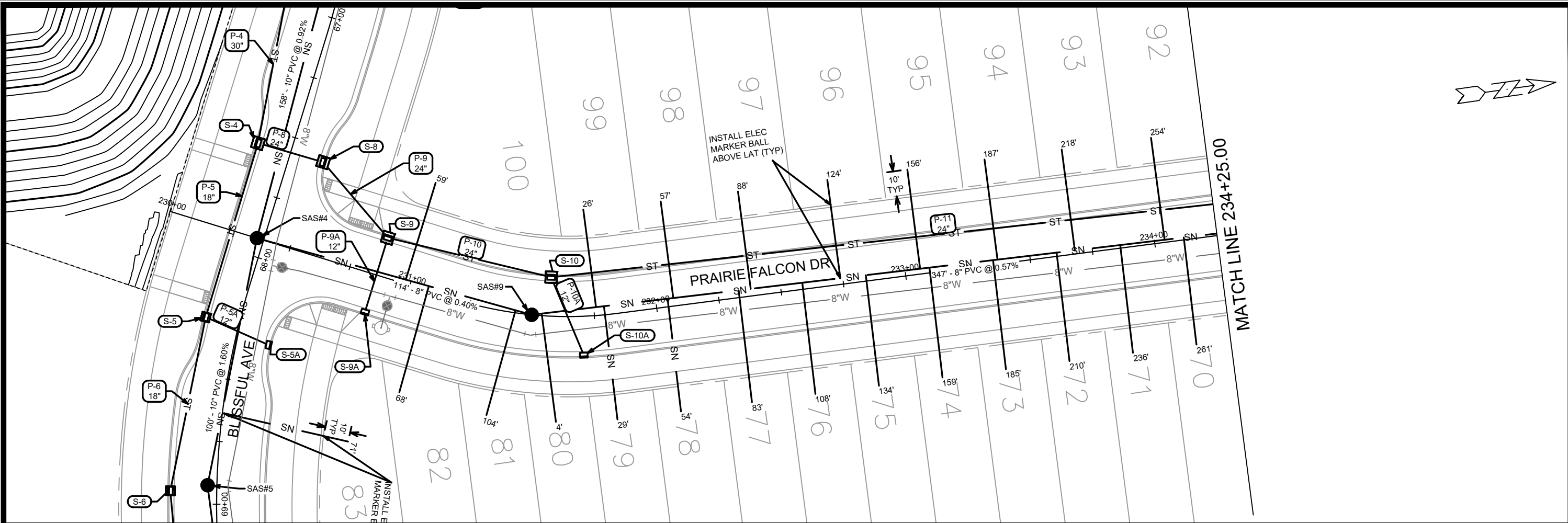
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Designed By: EEA		Scale: 1" = 40'	

REV1:
REPRINTED TO
SHOW UPDATED
LOT LINE FOR
LOT 117



MARK	REVISION	DATE	BY
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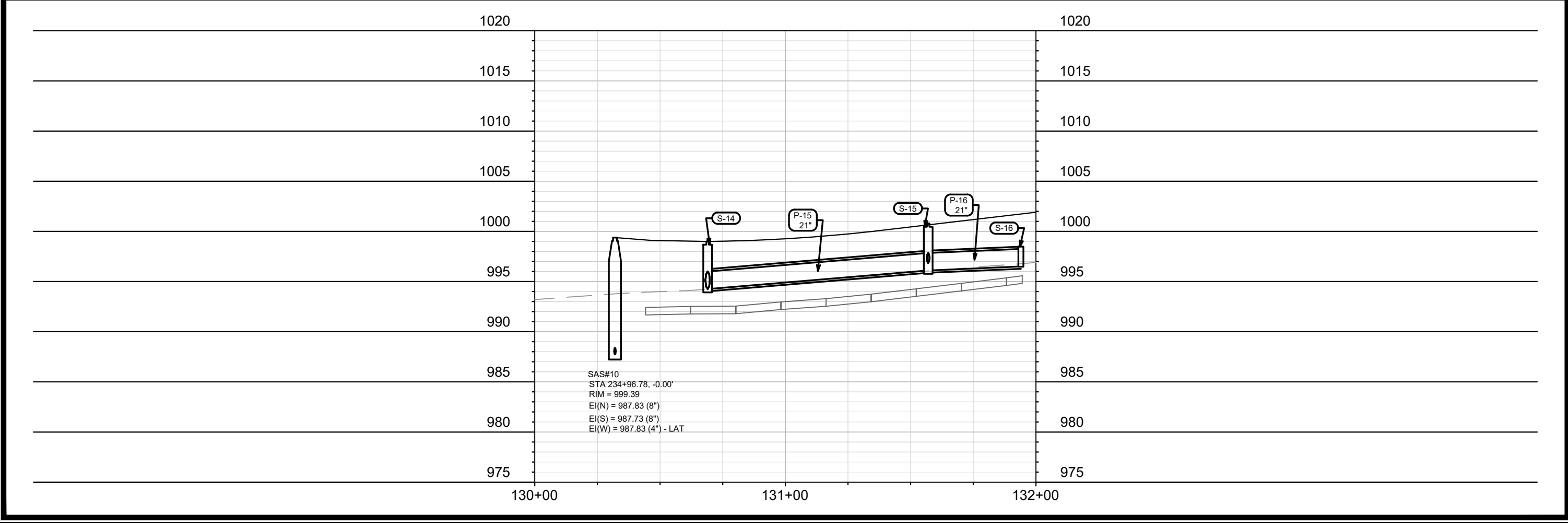
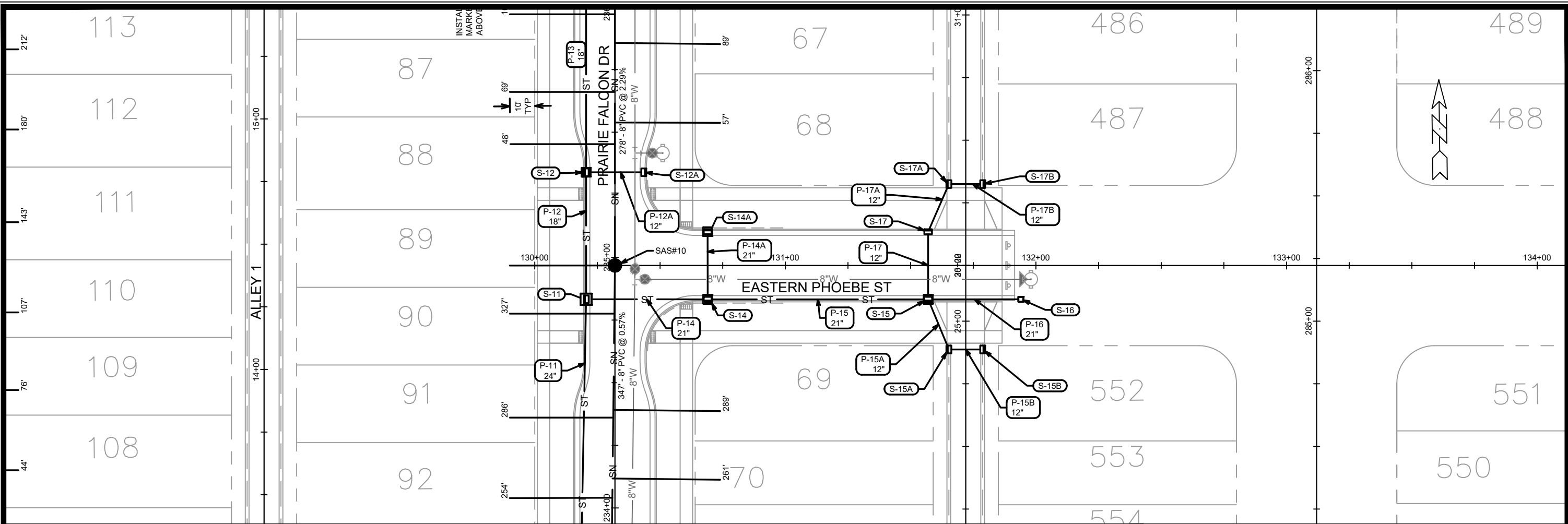
16088
MADISON, WI
CONTRACT NO: 9720
UTILITIES PLAN & PROFILE - HERRING GULL LANE
REILAND GROVE PHASE 1
M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg
CITY OF MADISON
WISCONSIN
16088
U-4



SAS#4
STA 67+92.70, RT-2.75'
RIM = 996.64
EI(N) = 985.19 (8")
EI(E) = 985.19 (10")
EI(NW) = 985.09 (10")

SAS#9
STA 231+50.00, -0.00'
RIM = 996.70
EI(N) = 985.75 (8")
EI(SW) = 985.65 (8")

16088		MADISON, WI		CONTRACT NO: 9720	
UTILITIES PLAN & PROFILE - PRAIRIE FALCON DRIVE		REILAND GROVE PHASE 1		16088	
U-5		U-5		U-5	
M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg		Date: 7/21/2026 12:38 PM		Scale: 1" = 40'	
MARK		REVISION		BY	
Designed By: EEA		Date: 7/21/2026 12:38 PM		Scale: 1" = 40'	



16088

MADISON, WI

REILAND GROVE PHASE 1

16088

U-7

UTILITIES PLAN & PROFILE - EASTERN PHOEBE STREET

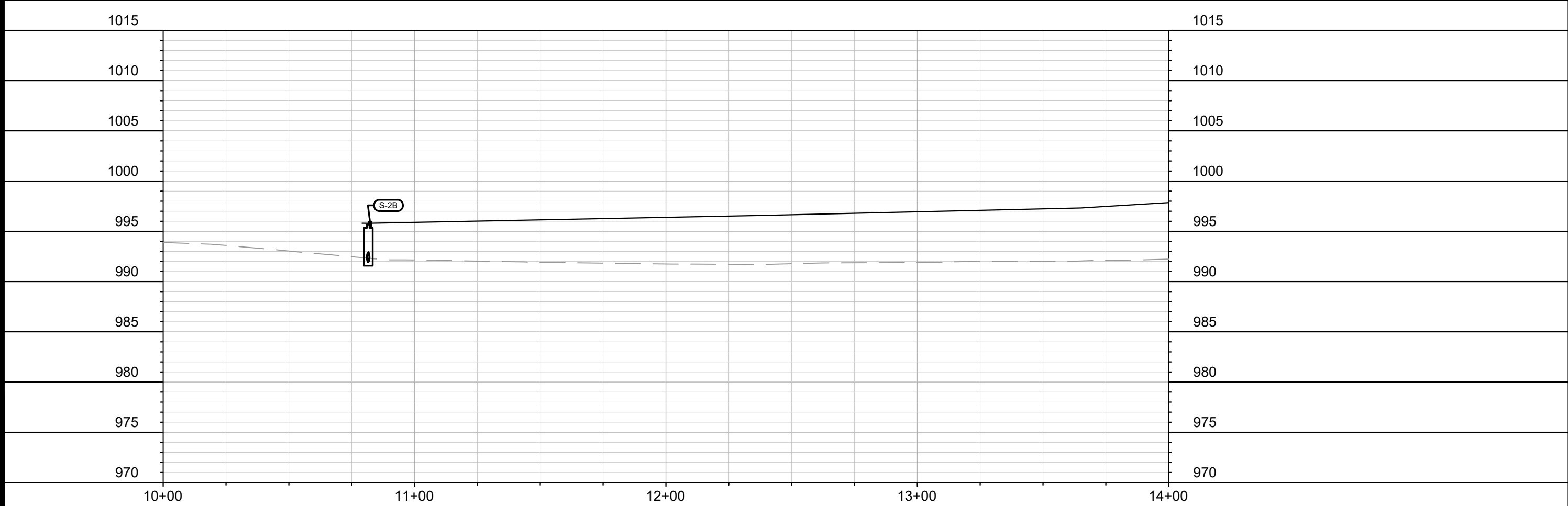
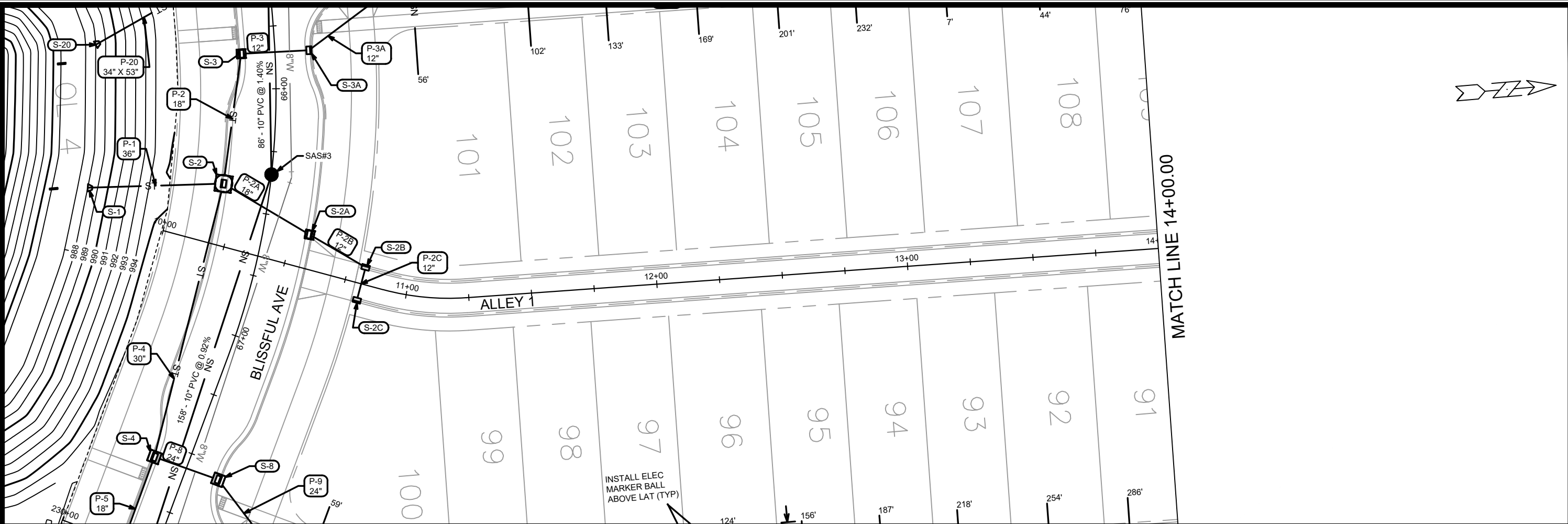
REILAND GROVE PHASE 1

M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg

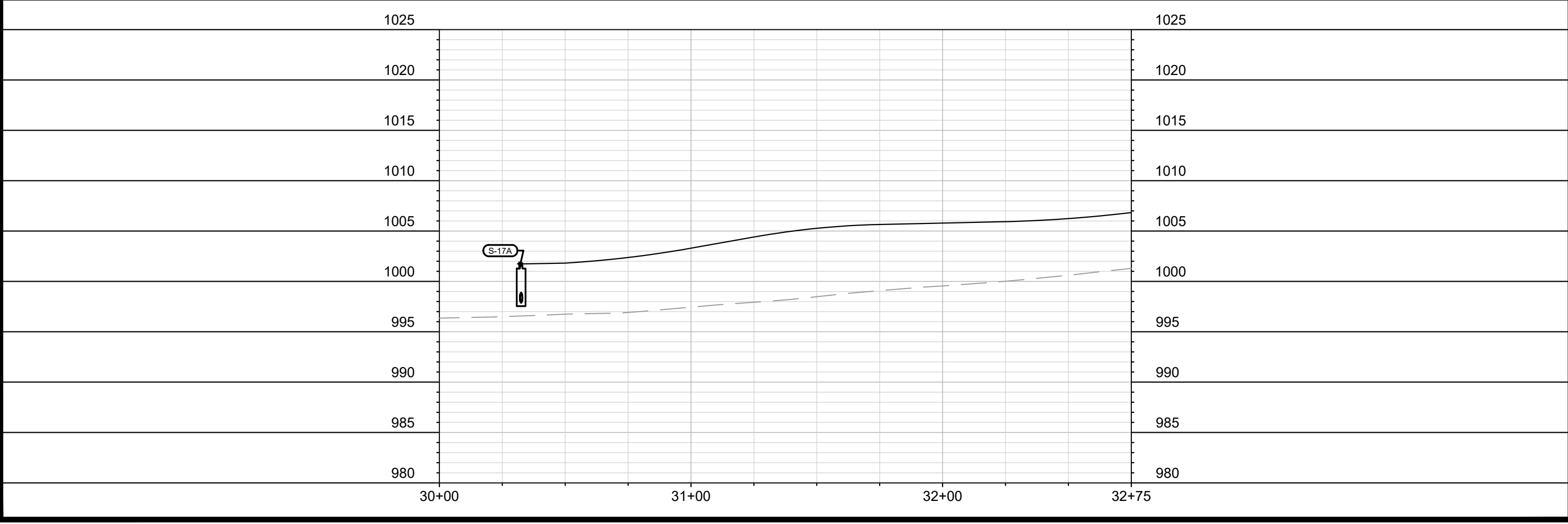
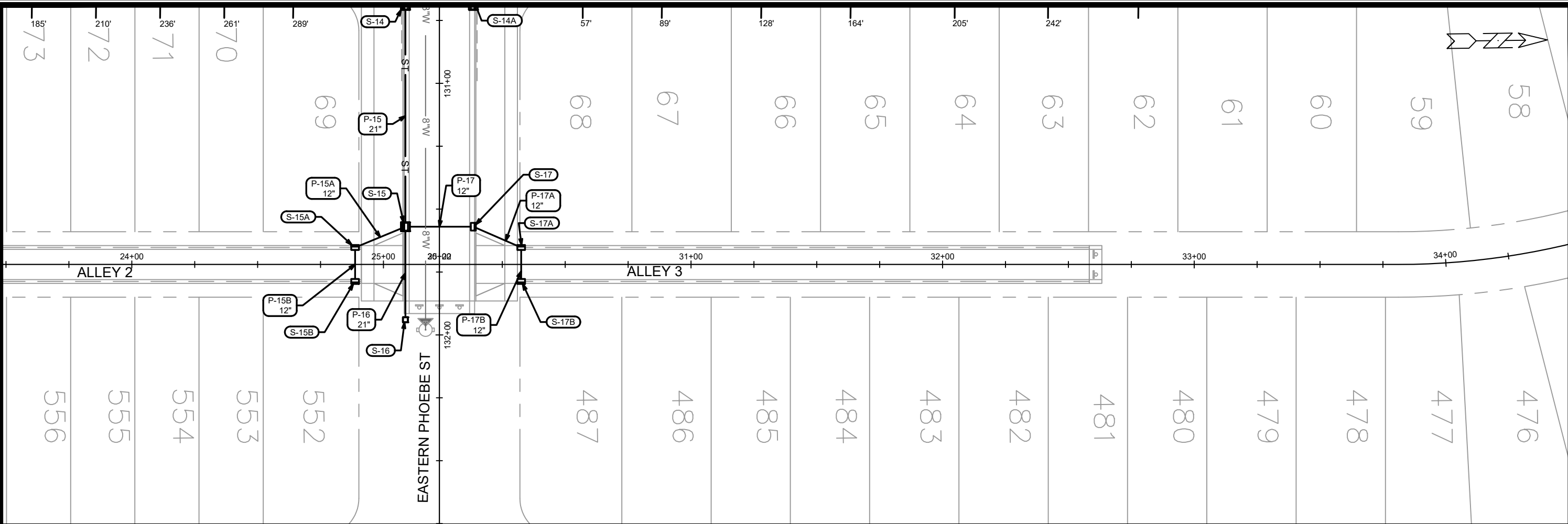
Contract No: 9720

Scale: 1" = 40'

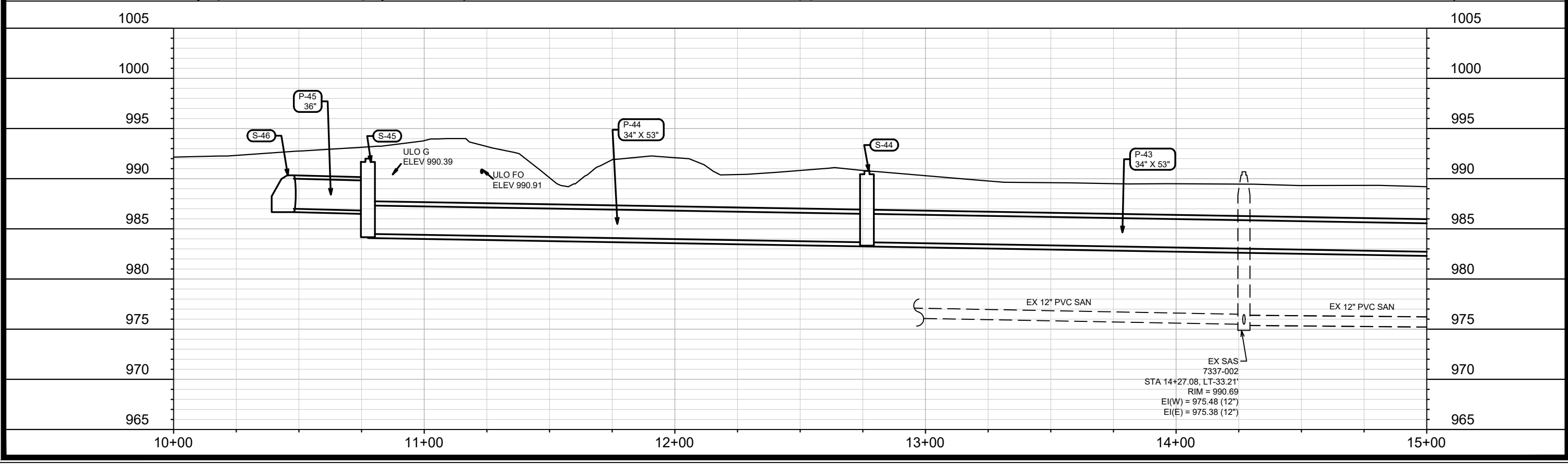
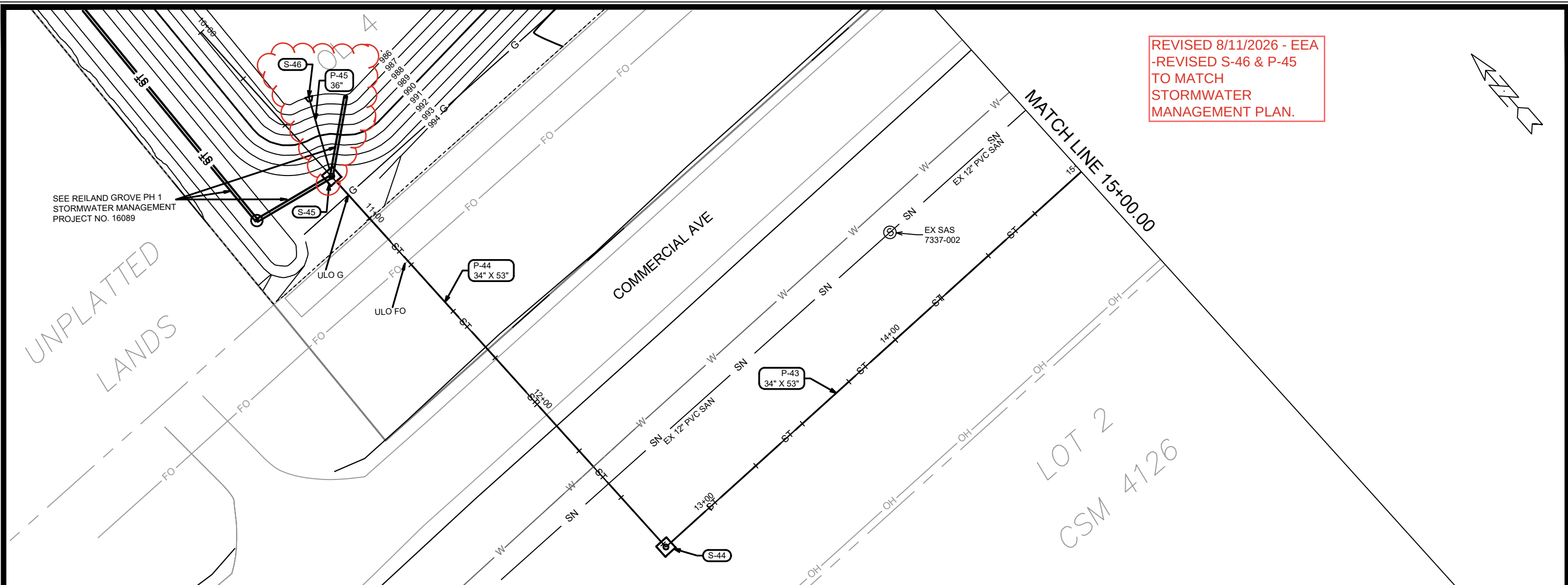
U-7



		16088 U-8	
UTILITIES PLAN & PROFILE - ALLEY 1 REILAND GROVE PHASE 1		16088 MADISON, WI 9720 CONTRACT NO:	
M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg		16088 7/2/2026 12:48 PM Scale: 1" = 40' U-8	



16088		MADISON, WI		16088	
REILAND GROVE PHASE 1		CONTRACT NO: 9720		U-11	
UTILITIES PLAN & PROFILE - ALLEY 3		M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg		U-11	
16088		U-11		U-11	
REVISION		DATE		BY	
Designed By: EEA		Date: 7/21/2026 12:56 PM		Scale: 1" = 40'	
MARK		REVISION		DATE	
16088		16088		16088	



16088

MADISON, WI

9720

CONTRACT NO:

UTILITIES PLAN & PROFILE - COMMERCIAL AVE

REILAND GROVE PHASE 1

M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg

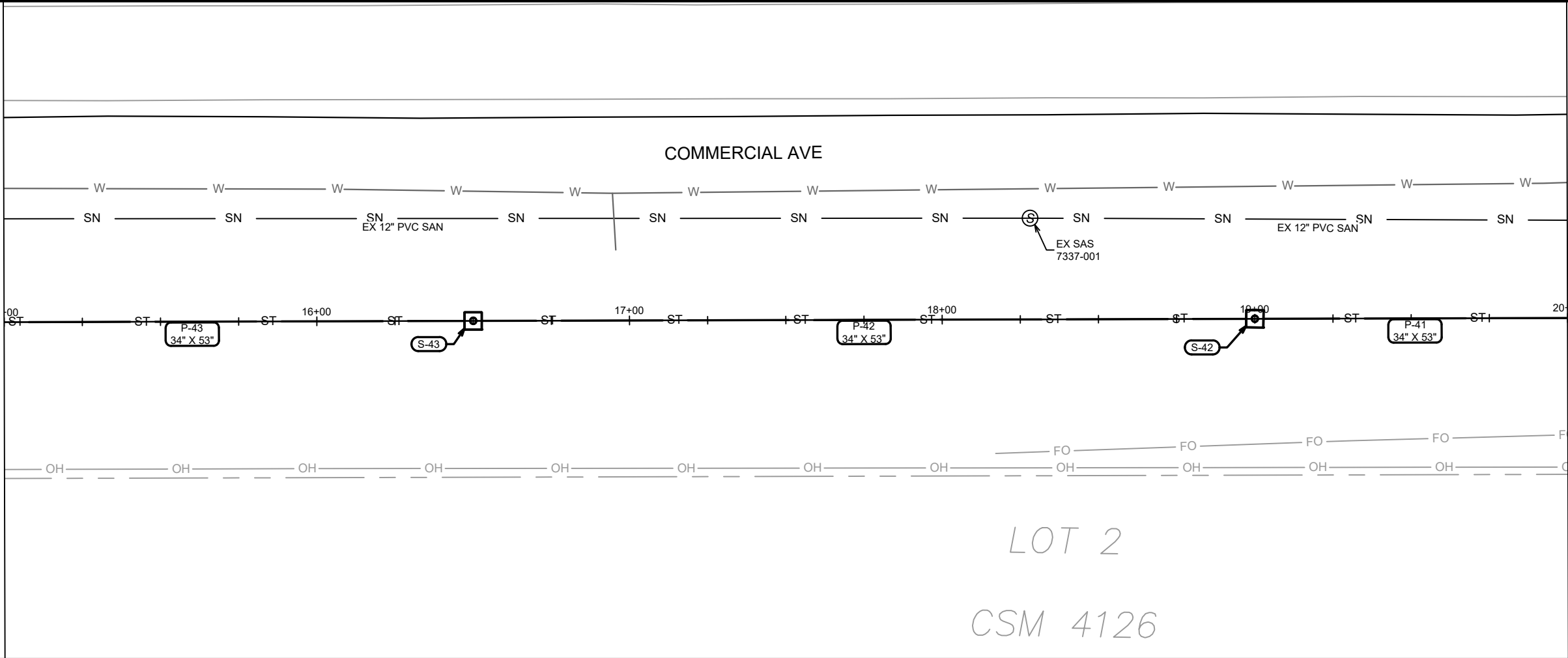
CITY OF MADISON
WISCONSIN

16088

U-12

MATCH LINE 15+00.00

MATCH LINE 20+00.00



LOT 2
CSM 4126

1010

1010

1005

1005

1000

1000

995

995

990

990

985

985

980

980

975

975

970

970

965

965

15+00

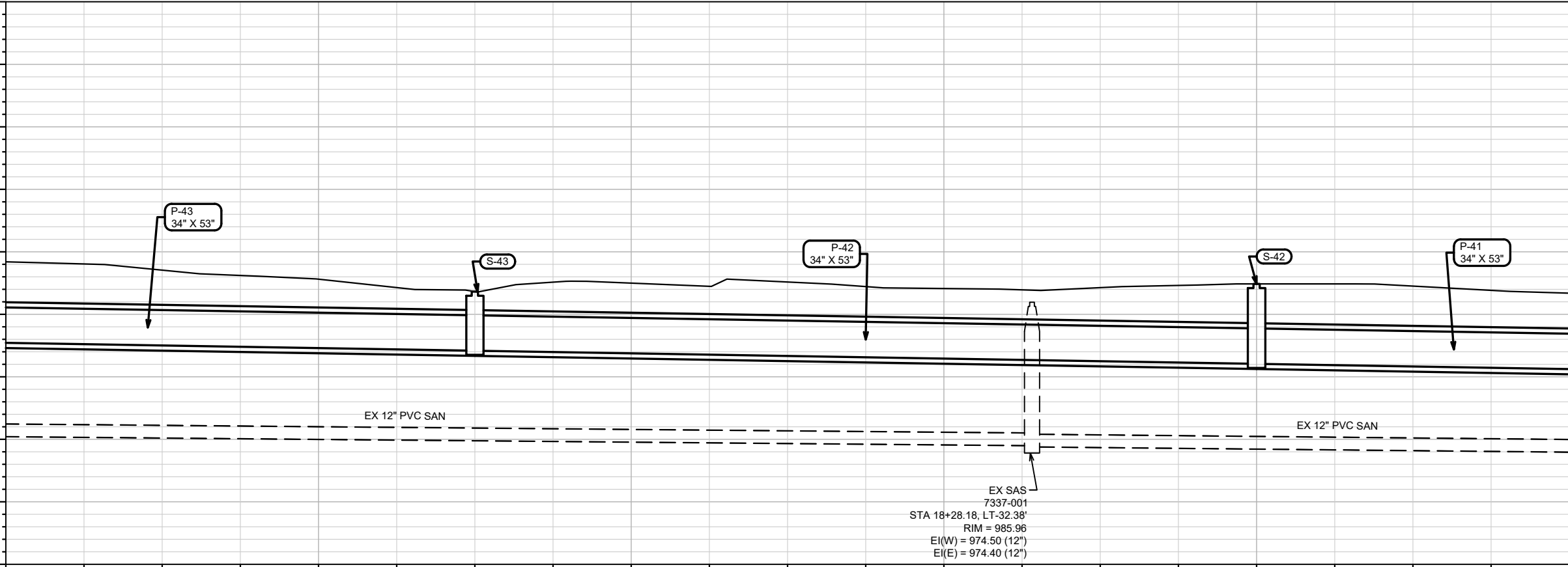
16+00

17+00

18+00

19+00

20+00



EX SAS
7337-001
STA 18+28.18, LT-32.38'
RIM = 985.96
EI(W) = 974.50 (12")
EI(E) = 974.40 (12")

DATE	BY
10/1/13	U-13
REVISION	DATE
16088	16088

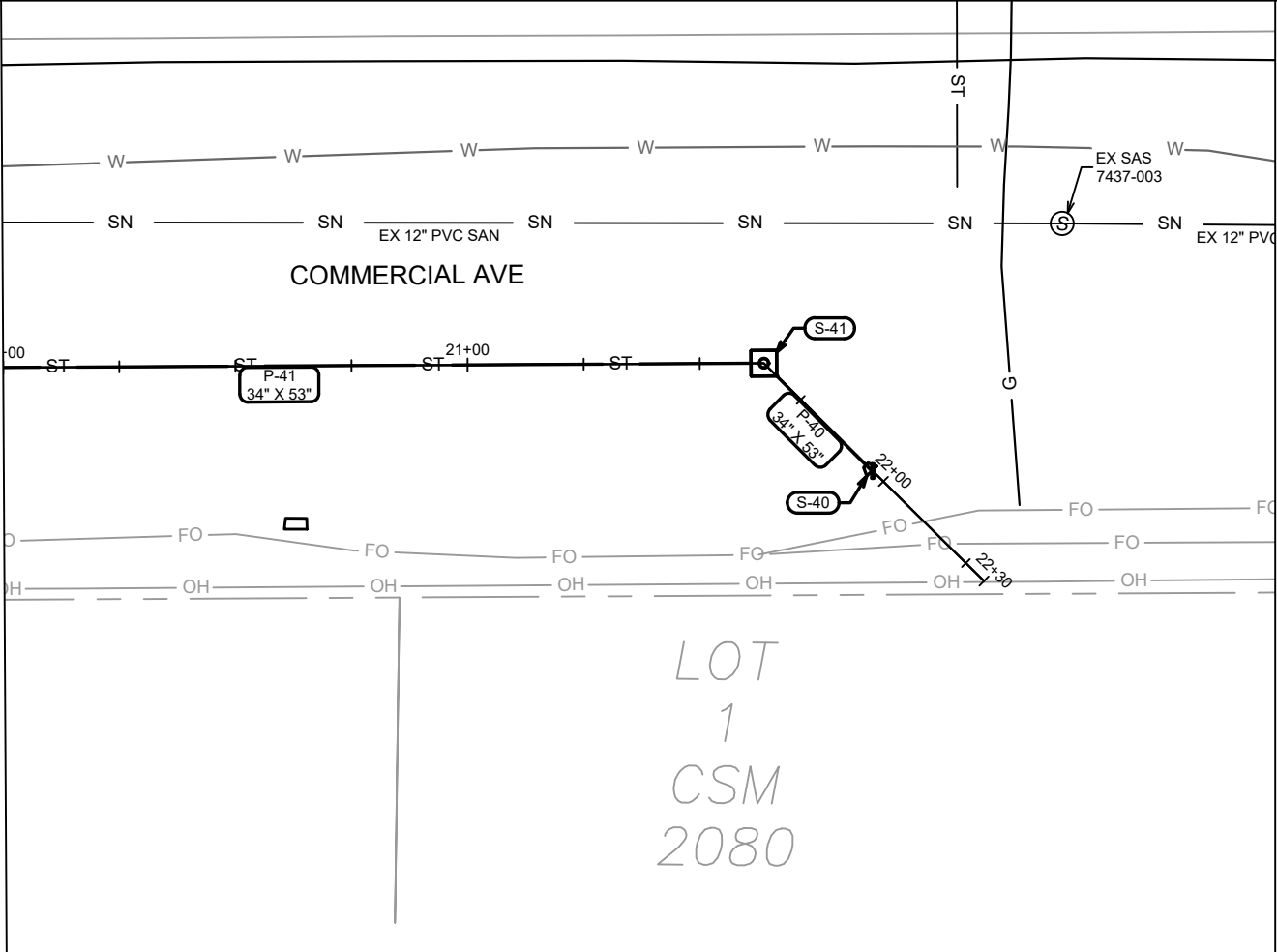
16088
MADISON, WI
9720
CONTRACT NO:

UTILITIES PLAN & PROFILE - COMMERCIAL AVE
REILAND GROVE PHASE 1
M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg



16088
U-13

MATCH LINE 20+00.00



1010

1005

1000

995

990

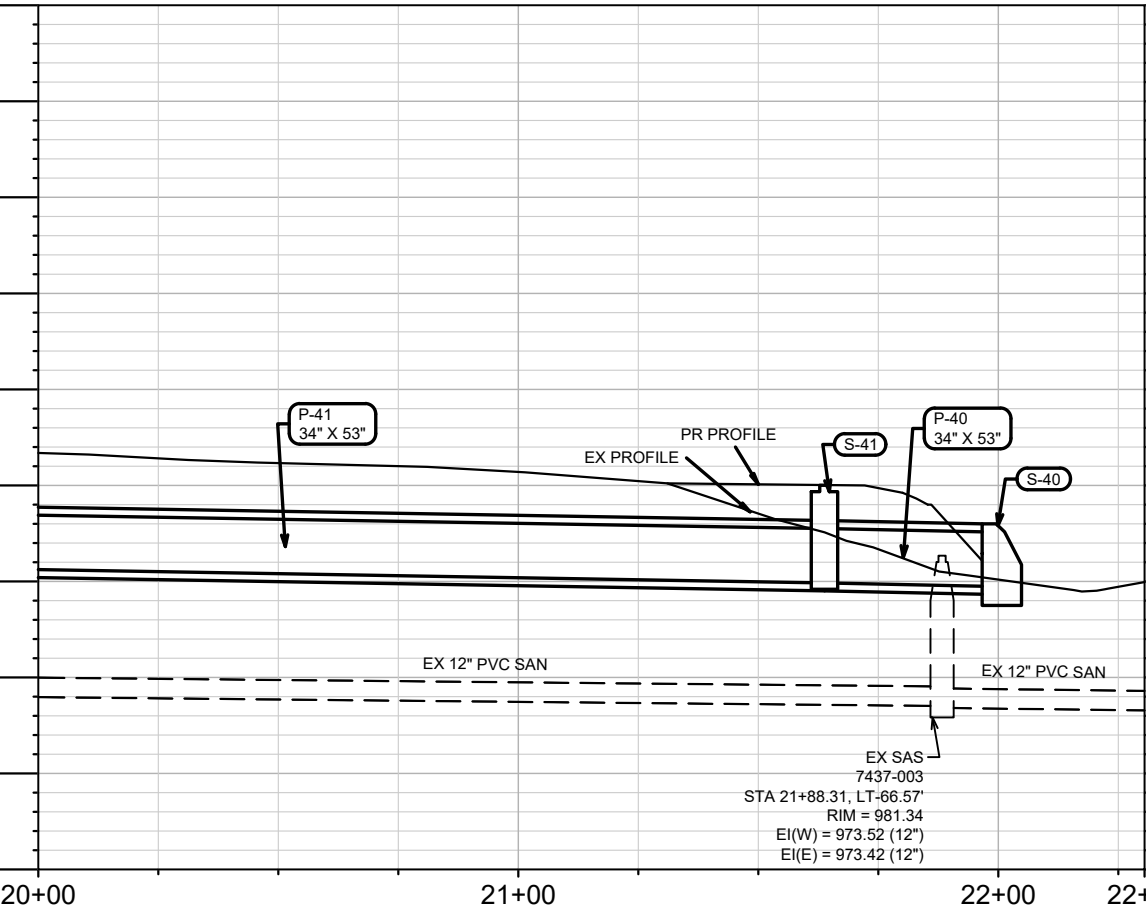
985

980

975

970

965



1010

1005

1000

995

990

985

980

975

970

965

20+00

21+00

22+00

22+30



UTILITIES PLAN & PROFILE - COMMERCIAL AVE

REILAND GROVE PHASE 1

16088

MADISON, WI

M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg

CONTRACT NO:

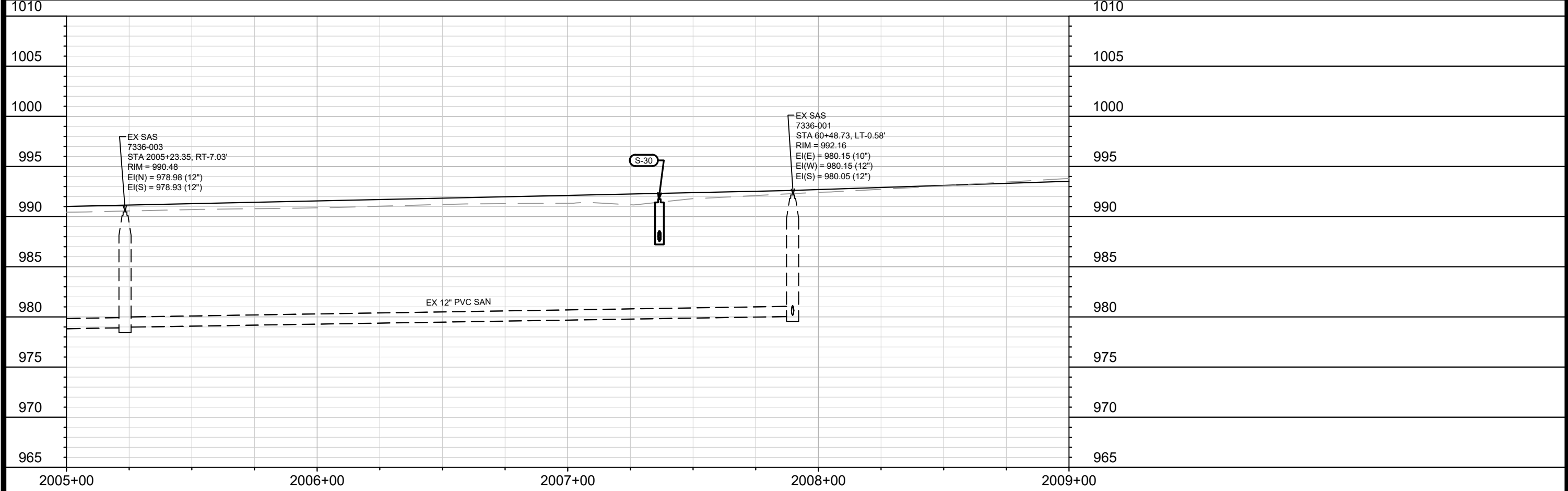
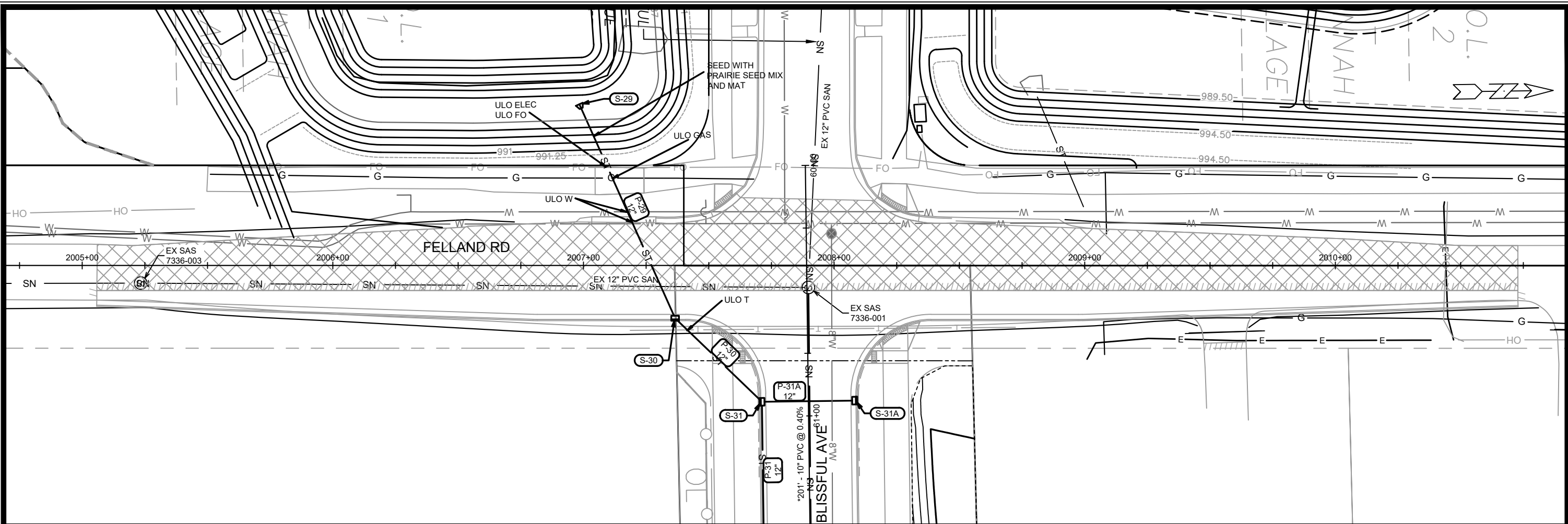
9720



16088

U-14

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16088		MADISON, WI		CONTRACT NO: 9720	
UTILITIES PLAN & PROFILE - FELLAND ROAD		REILAND GROVE PHASE 1		16088	
U-15				U-15	
M:\DESIGN\Projects\16088\CAD\Sewers\16088SWR-PipeNetwork.dwg					
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7/22/2026 1:22 PM					
Scale: 1" = 40'					

STORM SEWER SCHEDULE 1

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
BLISSFUL AVENUE							
S-1	66+51.62	RT-71.68	36" RCP APRON END	-	987.50	-	-
S-2	66+40.25	RT-18.50	6X6 CB	994.86	987.85	7.01	(2)
S-2A	66+55.00	LT-18.50	3X3 SAS	995.04	990.14	4.90	W/ R-3067-7004-V
S-3	65+85.40	RT-13.50	3X3 SAS	994.28	989.59	4.69	W/ R-3067-7004-V
S-3A	65+85.40	LT-13.50	H INLET	994.28	990.21	4.07	W/ R-3067-7004-V
S-4	67+56.40	RT-13.50	4X4 SAS	996.39	990.16	6.23	W/ R-3067-7004-V
S-5	68+28.00	RT-13.50	3X3 SAS	997.27	992.67	4.60	W/ R-3067-7004-V
S-5A	68+33.00	LT-13.50	H INLET	997.33	993.73	3.60	W/ R-3067-7004-V
S-6	68+95.00	RT-18.50	3X3 SAS	998.00	993.55	4.45	W/ R-3067-7004-V
S-7	69+98.01	RT-18.50	3X3 SAS	999.07	994.57	4.50	W/ R-3067-7004-V
S-8	67+56.00	LT-13.50	4X4 SAS	996.38	990.82	5.56	W/ R-3067-7004-V
S-20	65+76.73	RT-71.00	34" x 53" HERCP AE	-	987.50	-	-
S-21	65+50.00	RT-13.50	6X6 CB	993.95	988.18	5.77	FP; LP; (2)
S-22	64+12.40	RT-18.50	5X5 SAS	994.81	989.31	5.50	FP; W/ R-3067-7004-V
S-23	63+85.42	LT-60.72	34" x 53" HERCP AE	-	990.00	-	W/ GATE

HERRING GULL LANE

S-3B	170+86.82	RT-15.50	H INLET	993.45	990.40	3.05	LP; W/ R-3067-7004-VB
S-3C	170+86.82	LT-15.50	H INLET	993.45	990.55	2.90	FP; LP; W/ R-3067-7004-VB
S-3D	173+29.03	RT-15.50	H INLET	995.84	992.24	3.60	W/ R-3067-7004-V
S-3E	173+38.53	LT-15.50	H INLET	995.93	992.53	3.40	W/ R-3067-7004-V

PRAIRIE FALCON DRIVE

S-9	230+86.00	LT-15.50	4X4 SAS	996.29	991.04	5.25	LP; W/ R-3067-7004-VB
S-9A	230+86.00	RT-15.50	H INLET	996.85	992.49	4.36	LP; W/ R-3067-7004-VB
S-10	231+57.00	LT-15.50	4X4 SAS	996.88	991.44	5.44	W/ R-3067-7004-V
S-10A	231+70.18	RT-15.50	H INLET	997.59	994.19	3.40	W/ R-3067-7004-V
S-11	234+83.30	LT-11.50	4X4 SAS	999.47	993.68	5.79	W/ R-3067-7004-V
S-12	235+34.00	LT-11.50	3X3 SAS	999.84	995.24	4.60	W/ R-3067-7004-V
S-12A	235+34.00	RT-11.50	H INLET	999.84	996.39	3.45	W/ R-3067-7004-V
S-13	236+85.25	LT-11.50	3X3 SAS	1003.12	998.52	4.60	W/ R-3067-7004-V
S-13A	236+85.25	RT-11.50	H INLET	1003.12	999.52	3.60	W/ R-3067-7004-V
S-13B	237+57.46	LT-11.50	H INLET	1005.29	1001.69	3.60	W/ R-3067-7004-V
S-13C	237+57.52	RT-11.50	H INLET	1005.29	1001.89	3.40	W/ R-3067-7004-V

EASTERN PHOEBE STREET

S-14	130+69.00	RT-13.50	3X3 SAS	999.01	994.25	4.76	LP; W/ R-3067-7004-VB
S-14A	130+69.00	LT-13.50	3X3 SAS	999.13	994.47	4.66	LP; W/ R-3067-7004-VB
S-15	131+57.00	RT-13.50	3X3 SAS	1000.79	996.10	4.69	W/ R-3067-7004-V
S-16	131+94.00	RT-13.50	PIPE PLUG	-	996.50	-	-
S-17	131+57.00	LT-13.50	H INLET	1000.82	997.10	3.72	W/ R-3067-7004-V

ALLEY 1

S-2B	10+81.57	LT-6.75	H INLET	995.68	991.92	3.76	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-2C	10+81.57	RT-6.75	H INLET	995.92	992.16	3.76	LP; W/ R-3362-L; PER SDD 5.7.33; (1)

ALLEY 2

S-7A	20+81.50	RT-6.75	H INLET	999.61	995.81	3.80	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-7B	20+81.50	LT-6.75	H INLET	999.37	995.97	3.40	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-15A	24+88.73	LT-6.75	H INLET	1001.54	997.99	3.55	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-15B	24+88.73	RT-6.75	H INLET	1001.78	998.43	3.35	LP; W/ R-3362-L; PER SDD 5.7.33; (1)

ALLEY 3

S-17A	30+32.50	LT-6.75	H INLET	1001.61	997.88	3.73	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-17B	30+32.50	RT-6.75	H INLET	1001.85	998.32	3.53	LP; W/ R-3362-L; PER SDD 5.7.33; (1)

STANDARD NOTES:

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- 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 REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- 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
- ALL REINFORCED CONCRETE PIPES TO BE CLASS 3 UNLESS OTHERWISE NOTED.
- 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
- 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 EACOSTA 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.
- FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

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
BLISSFUL AVENUE										
P-1	S-1	S-2	987.50	987.85	54	51	0.69%	36"	TYPE II	-
P-2	S-2	S-3	989.35	989.59	52	48	0.50%	18"	TYPE II	-
P-2A	S-2	S-2A	989.35	990.14	40	35	2.26%	18"	TYPE I	-
P-3	S-3	S-3A	990.09	990.21	27	24	0.50%	12"	TYPE I	-
P-4	S-2	S-4	988.35	990.16	112	107	1.69%	30"	TYPE I	-
P-5	S-4	S-5	991.16	992.67	72	69	2.19%	18"	TYPE II	-
P-5A	S-5	S-5A	993.17	993.73	27	25	2.24%	12"	TYPE I	-
P-6	S-5	S-6	992.67	993.55	71	68	1.29%	18"	TYPE I	-
P-7	S-6	S-7	993.55	994.57	104	103	0.99%	18"	TYPE I	-
P-8	S-4	S-8	990.66	990.82	27	23	0.70%	24"	TYPE I	-
P-20	S-20	S-21	987.50	988.18	63	60	1.13%	34" X 53"	TYPE II	-
P-21	S-21	S-22	988.18	989.31	138	132	0.85%	34" X 53"	TYPE I	-
P-22	S-22	S-23	989.31	990.00	84	81	0.85%	34" X 53"	TYPE I	-
P-3A	S-3A	S-3B	990.21	990.40	40	37	0.50%	12"	TYPE II	-
P-3B	S-3B	S-3C	990.40	990.55	31	29	0.52%	12"	TYPE I	-
P-3C	S-3B	S-3D	990.40	992.24	242	239	0.77%	12"	TYPE II	-
P-3D	S-3D	S-3E	992.24	992.53	32	30	0.97%	12"	TYPE I	-
P-9	S-8	S-9	990.82	991.04	40	35	0.63%	24"	TYPE II	-
P-9A	S-9	S-9A	992.04	992.49	31	28	1.61%	12"	TYPE I	-
P-10	S-9	S-10	991.04	991.44	67	63	0.63%	24"	TYPE II	-
P-10A	S-10	S-10A	992.44	994.19	34	30	5.83%	12"	TYPE I	-
P-11	S-10	S-11	991.44	993.68	323	319	0.70%	24"	TYPE I	-
P-12	S-11	S-12	994.18	995.24	51	47	2.26%	18"	TYPE II	-
P-12A	S-12	S-12A	995.74	996.39	23	21	3.10%	12"	TYPE I	-
P-13	S-12	S-13	995.24	998.52	151	148	2.22%	18"	TYPE I	-
P-13A	S-13	S-13A	999.02	999.52	23	21	2.38%	12"	TYPE I	-
P-13B	S-13	S-13B	999.02	1001.69	72	69	3.87%	12"	TYPE I	-
P-13C	S-13B	S-13C	1001.69	1001.89	23	21	0.95%	12"	TYPE I	-
P-14	S-11	S-14	993.93	994.25	49	45	0.71%	21"	TYPE II	-
P-14A	S-14	S-14A	994.25	994.47	27	24	0.92%	21"	TYPE I	-
P-15	S-14	S-15	994.25	996.10	88	85	2.18%	21"	TYPE II	-
P-16	S-15	S-16	996.10	996.50	37	35	1.14%	21"	TYPE II	-
P-17	S-15	S-17	996.85	997.10	27	25	1.00%	12"	TYPE I	-
P-2B	S-2A	S-2B	990.64	991.92	26	23	5.57%	12"	TYPE II	-
P-2C	S-2B	S-2C	991.92	992.16	14	12	2.00%	12"	TYPE I	-
P-7A	S-7	S-7A	995.07	995.81	61	58	1.28%	12"	TYPE I	-
P-7B	S-7A	S-7B	995.81	995.97	14	12	1.33%	12"	TYPE I	-
P-15A	S-15	S-15A	996.85	997.99	22	18	6.33%	12"	TYPE II	-
P-15B	S-15A	S-15B	997.99	998.43	14	12	3.67%	12"	TYPE I	-
P-17A	S-17	S-17A	997.10	997.88	21	18	4.33%	12"	TYPE II	-
P-17B	S-17A	S-7B	997.88	998.32	14	12	3.67%	12"	TYPE I	-

NOTES:

- (1) TC IS AT FLOWLINE. STATIONING IS TO CENTER OF STRUCTURES
- (2) PER SDD 5.7.4 W/ BOTH R-1550-0054 & R-3067 CASTING

STORM SEWER SCHEDULE #1 - PROPOSED STORM
REILAND GROVE PHASE 1

16088

MADISON, WI

9720

CONTRACT NO:



16088

U-STM1

STORM SEWER SCHEDULE 2

* REVISED 8/11/2026 - EEA

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
COMMERCIAL AVENUE							
S-40	21+96.65	CL	34"X53" HERCP AE	-	979.75	-	W/ GATE
S-41	21+63.80	CL	5X5 SAS	985.00	979.92	5.08	FP; W/ R-1550
S-42	19+00.00	CL	5X5 SAS	987.43	981.04	6.39	W/ R-1550
S-43	16+50.00	CL	5X5 SAS	986.82	982.09	4.73	FP; W/ R-1689
S-44	12+76.64	CL	5X5 SAS	990.78	983.66	7.12	W/ R-1550
* S-45	10+77.52	CL	6X6 SAS	993.00	984.50	8.50	W/ R-1550
* S-46	10+58.60	CL	36" RCP APRON END	-	986.00	-	W/ GATE

FELLAND ROAD

S-29	2006+98.36	LT-64.36	12" RCP APRON END	-	986.50	-	-
S-30	2007+36.57	RT-21.04	H INLET	991.39	987.56	3.83	W/ R-3067-7004-V

BLISSFUL AVENUE

S-31	60+94.12	RT-18.50	H INLET	991.85	987.84	4.01	LP; W/ R-3067-7004-VB
S-31A	60+94.12	LT-18.50	H INLET	991.85	988.85	3.00	LP; W/ R-3067-7004-VB
S-32	62+62.13	RT-18.50	H INLET	995.45	988.47	6.98	W/ R-3067-7004-V
S-33	62+62.13	LT-18.50	H INLET	995.45	988.60	6.85	W/ R-3067-7004-V
S-34	62+83.44	LT-64.32	12" RCP APRON END	-	988.80	-	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
COMMERCIAL AVENUE										
P-40	S-40	S-41	979.75	979.92	33	30	0.57%	34"X53"	HERCP	-
P-41	S-41	S-42	979.92	981.04	264	259	0.43%	34"X53"	HERCP	-
P-42	S-42	S-43	981.04	982.09	250	245	0.43%	34"X53"	HERCP	-
P-43	S-43	S-44	982.09	983.66	373	368	0.43%	34"X53"	HERCP	-
P-44	S-44	S-45	983.66	984.50	199	194	0.43%	34"X53"	HERCP	-
* P-45	S-45	S-46	985.67	986.00	33	33	1.00%	36"	RCP	-

FELLAND ROAD

P-29	S-29	S-30	986.50	987.56	94	93	1.14%	12"	TYPE I	-
------	------	------	--------	--------	----	----	-------	-----	--------	---

BLISSFUL AVENUE

P-30	S-30	S-31	987.56	987.84	48	45	0.61%	12"	TYPE II	-
P-31	S-31	S-32	987.84	988.47	168	165	0.38%	12"	TYPE I	-
P-31A	S-31	S-31A	987.84	988.85	37	35	2.90%	12"	TYPE I	-
P-32	S-32	S-33	988.47	988.60	37	35	0.38%	12"	TYPE I	-
P-33	S-33	S-34	988.60	988.80	51	49	0.41%	12"	TYPE I	-

STANDARD NOTES:

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- 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 REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- 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.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS 3 UNLESS OTHERWISE NOTED.
- 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
- 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 EACOSTA 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.
- FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

STORM SEWER SCHEDULE #2- PROPOSED STORM
REILAND GROVE PHASE 1



16088
U-STM2

16088

MADISON, WI

CONTRACT NO:

9720

MARK

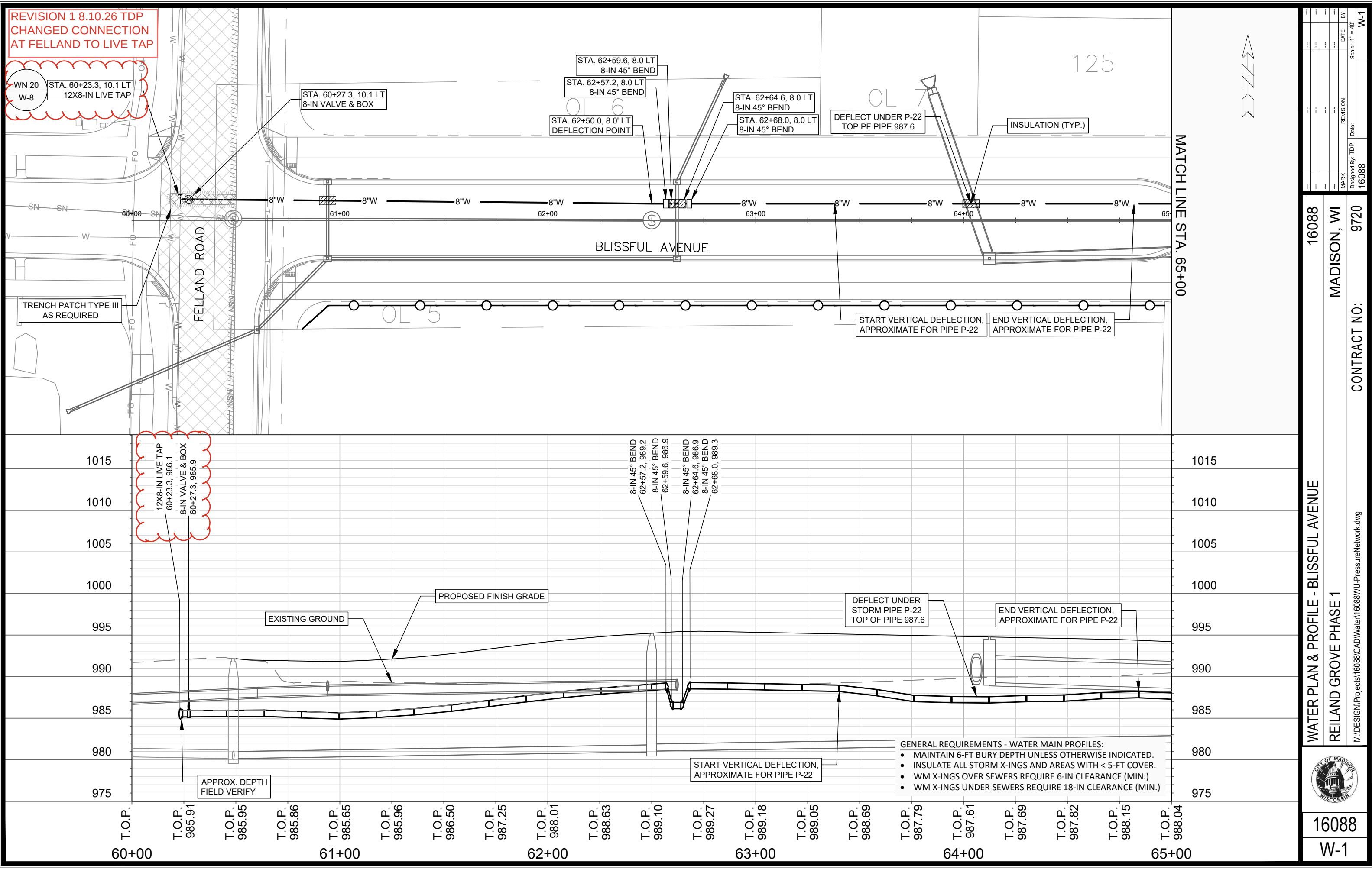
DESIGNED BY: EEA

REVISION

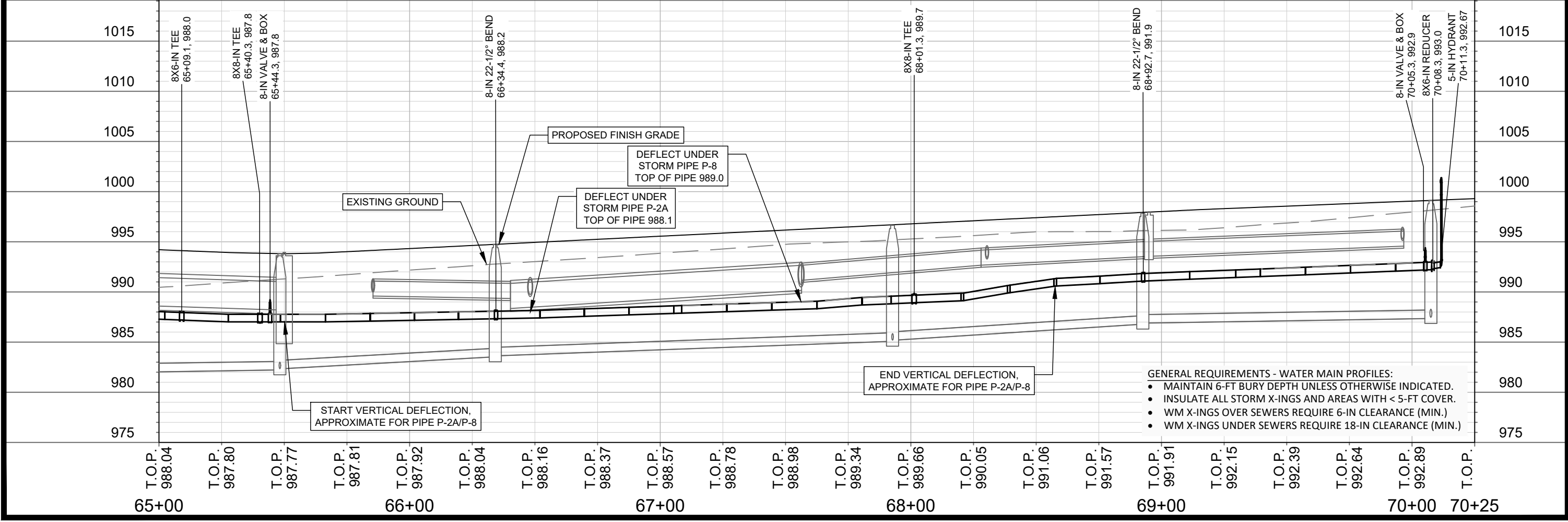
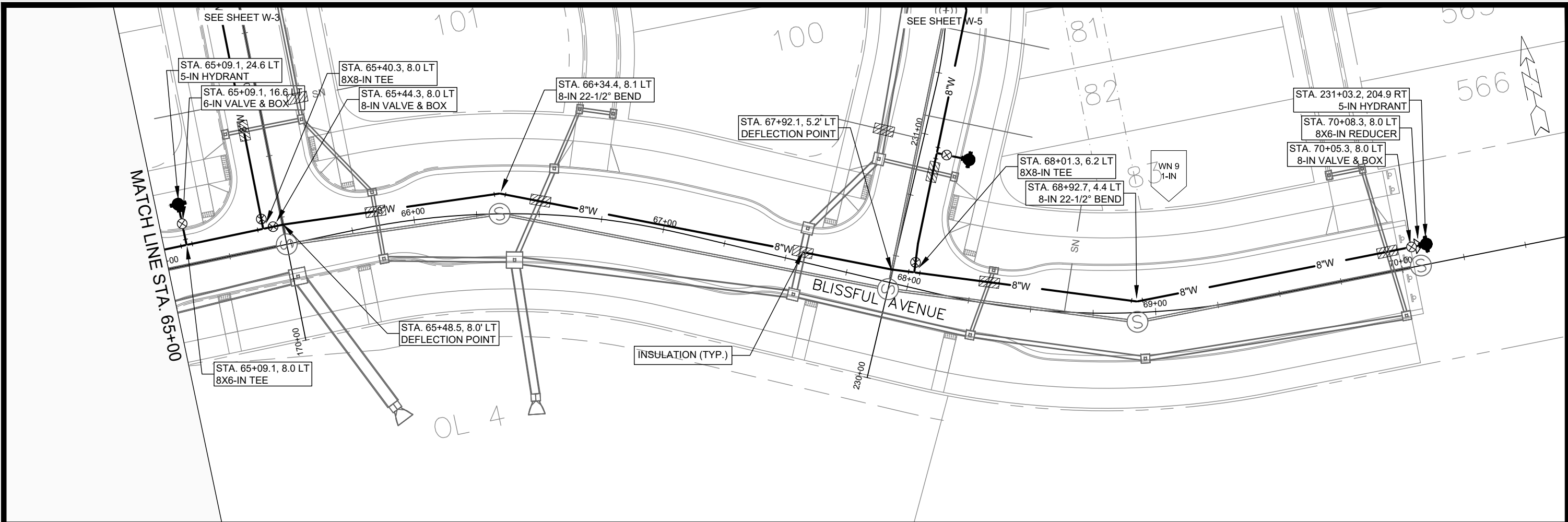
DATE

BY

U-STM2



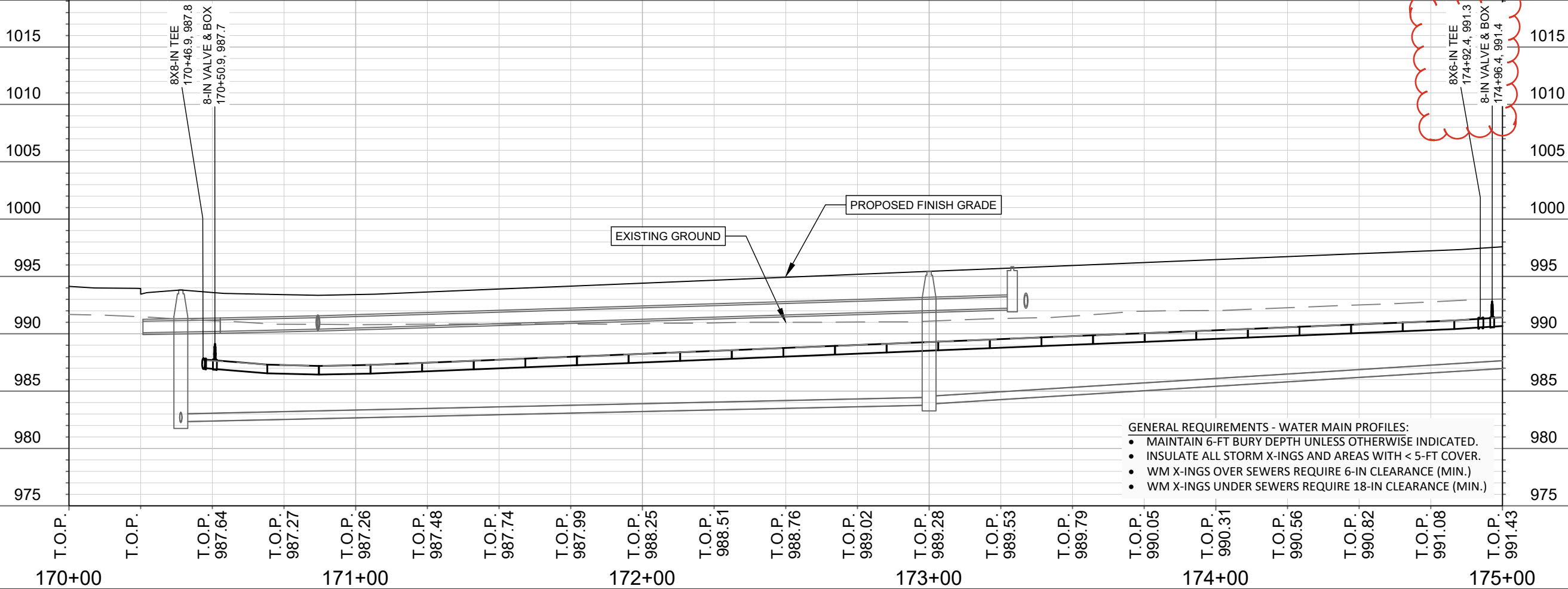
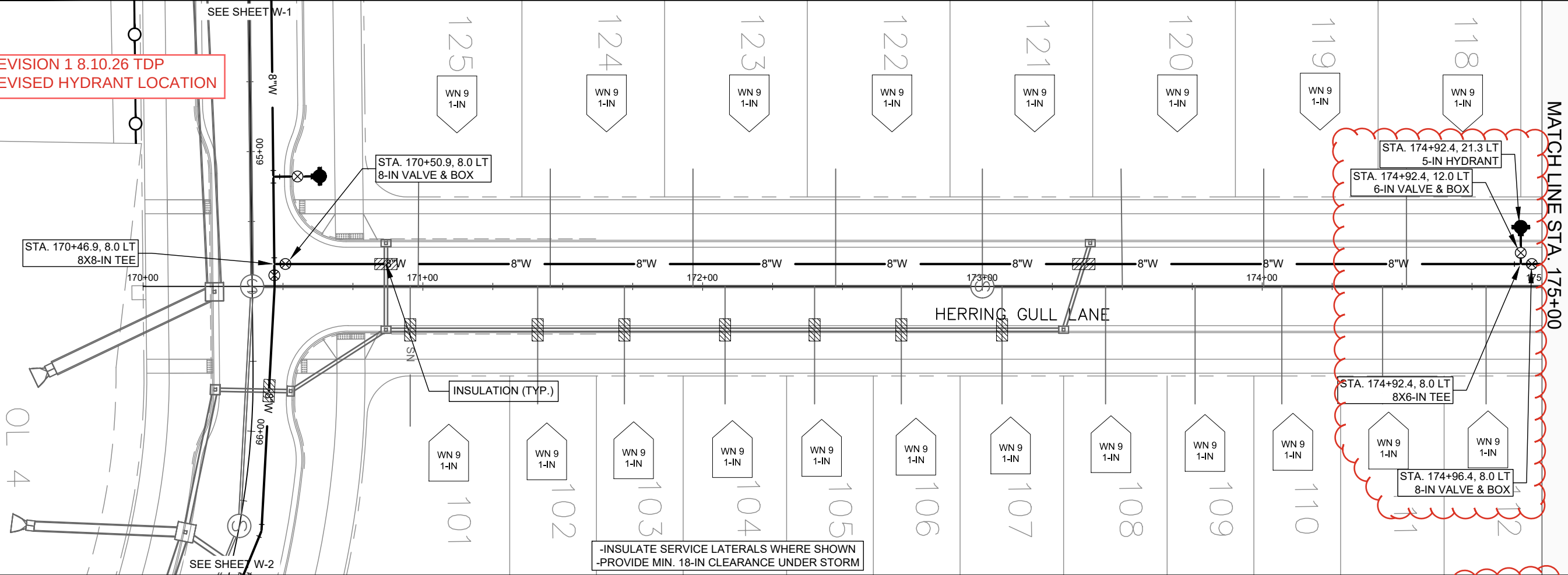
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WATER PLAN & PROFILE - BLISSFUL AVENUE		REILAND GROVE PHASE 1		CONTRACT NO:	
16088		W-1			
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MARK	REVISION	DATE	BY	Scale: 1" = 40'	
16088				W-1	



16088		MADISON, WI		CONTRACT NO: 9720	
WATER PLAN & PROFILE - BLISSFUL AVENUE		REILAND GROVE PHASE 1		16088	
W-2		W-2		W-2	
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Designed By: TDP		REVISION		BY	
MARK		DATE		DATE	

REVISION 1 8.10.26 TDP
REVISED HYDRANT LOCATION

OL 4



- 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.)

16088		MADISON, WI		9720	
WATER PLAN & PROFILE - HERRING GULL LANE		REILAND GROVE PHASE 1		CONTRACT NO:	
16088		W-3			

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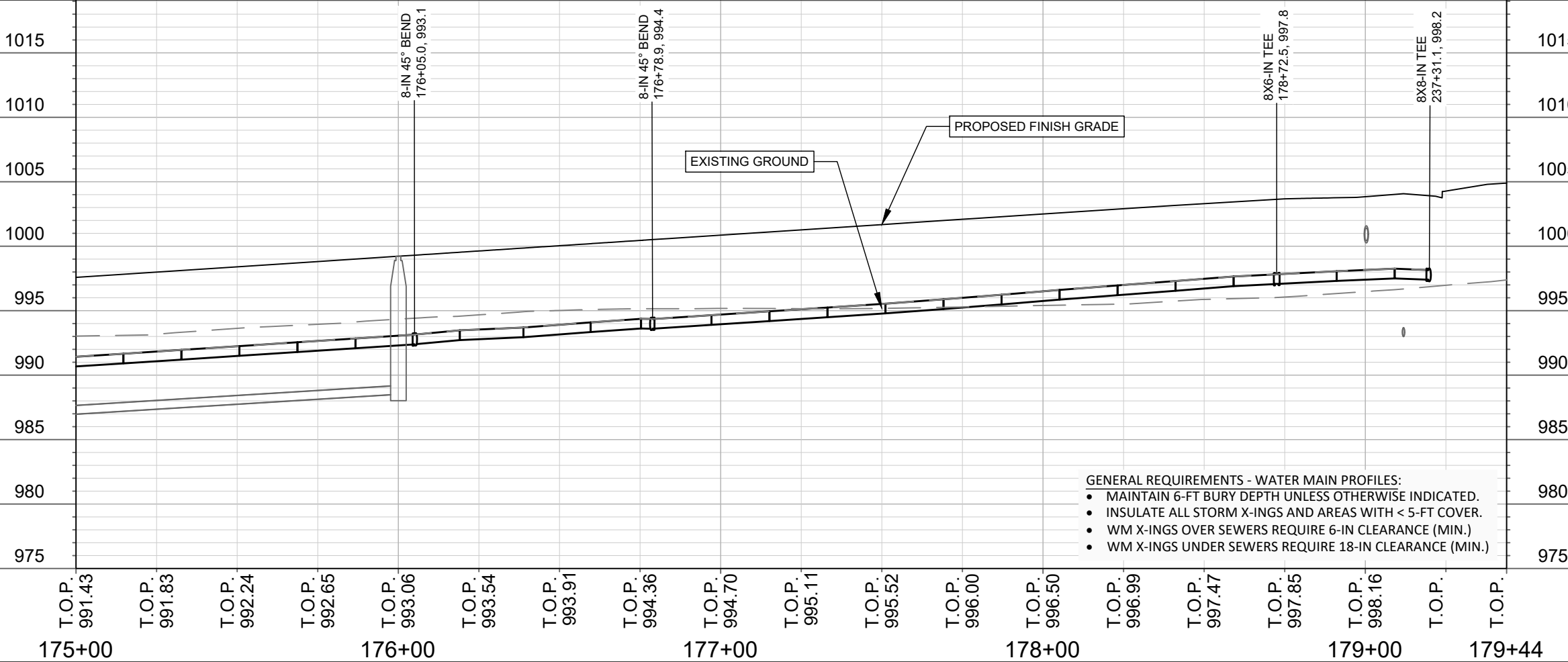
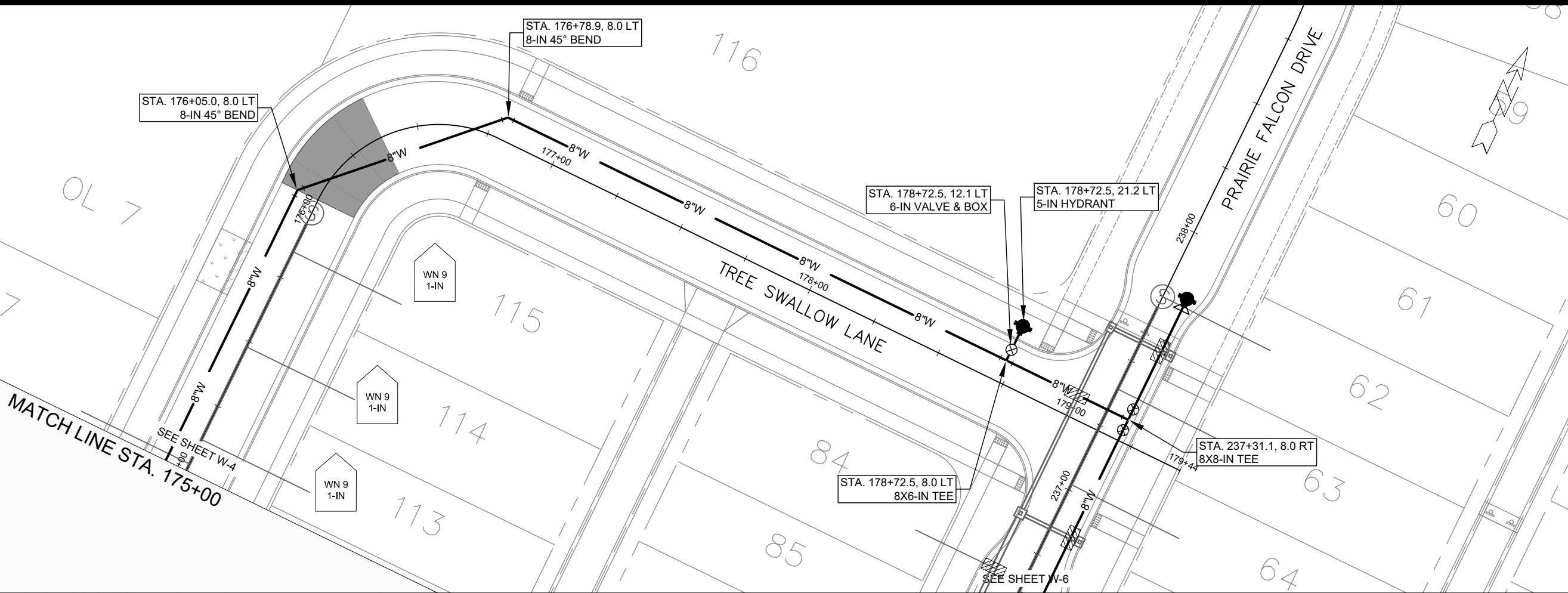
City of Madison Wisconsin

16088

W-3

DATE	8/10/2026	BY	TDP
REVISION		DATE	
MARK		DATE	
DESIGNED BY	TDP	DATE	8/10/2026
Scale:	1" = 40'		

REV1: UPDATED
LINEWORK AND LOT
LINE FOR LOT 117



- 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.)

WATER PLAN & PROFILE - HERRING GULL LANE

REILAND GROVE PHASE 1

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16088

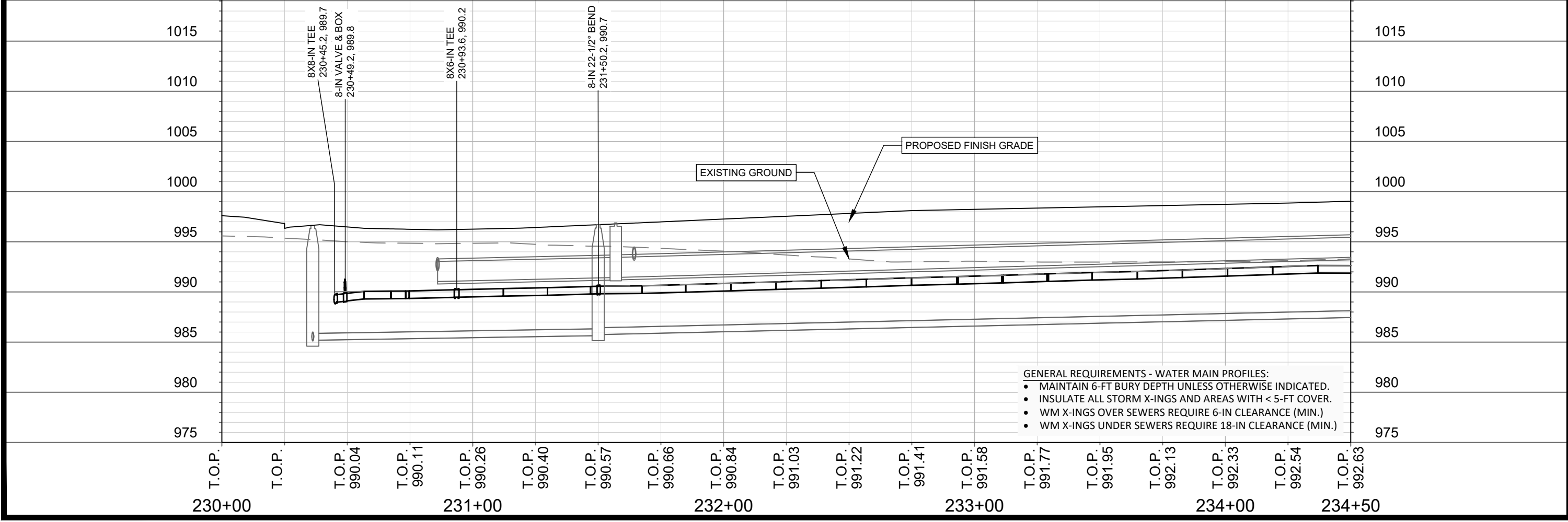
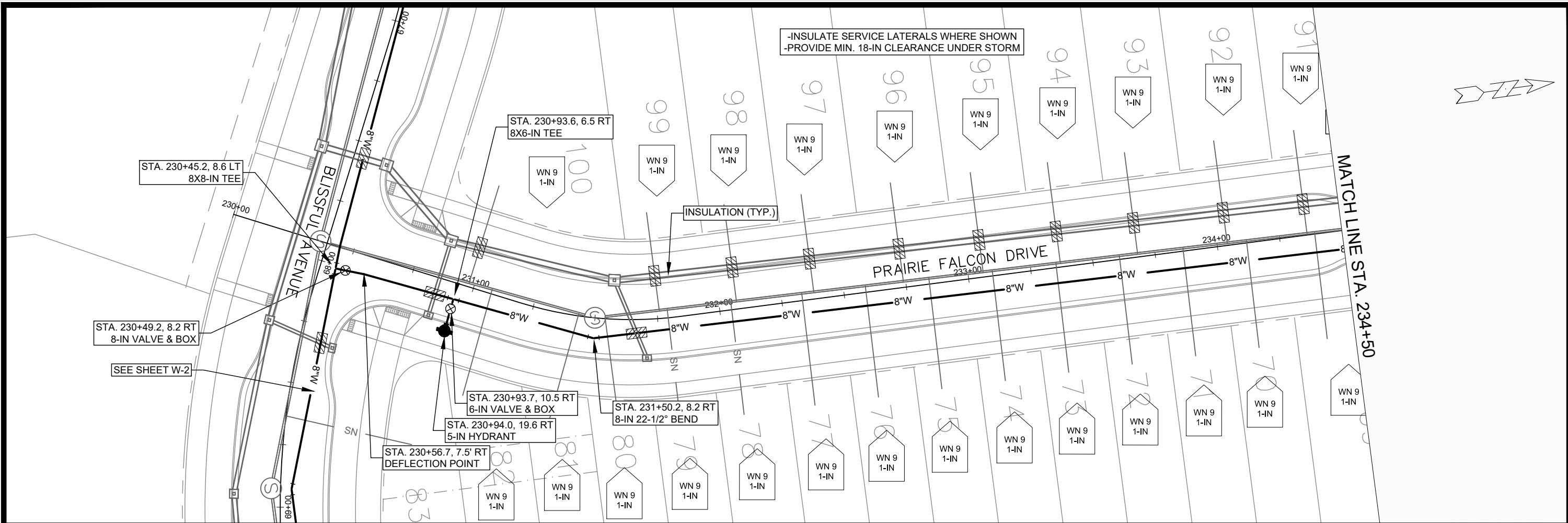
MADISON, WI

CONTRACT NO: 9720

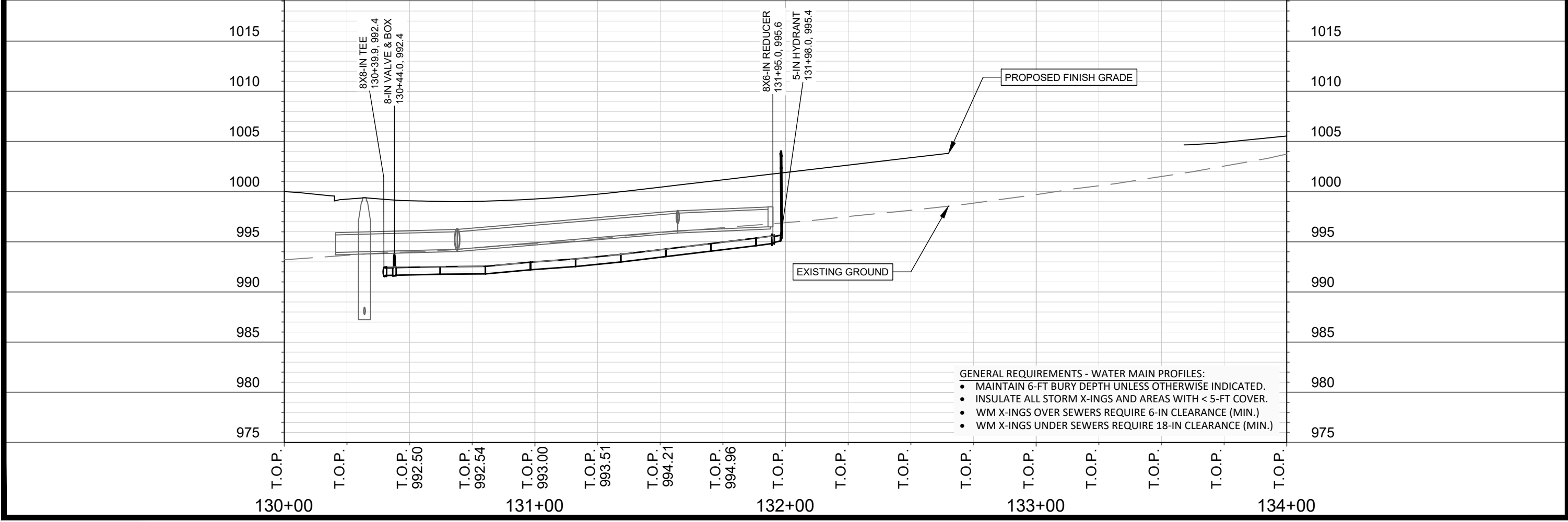
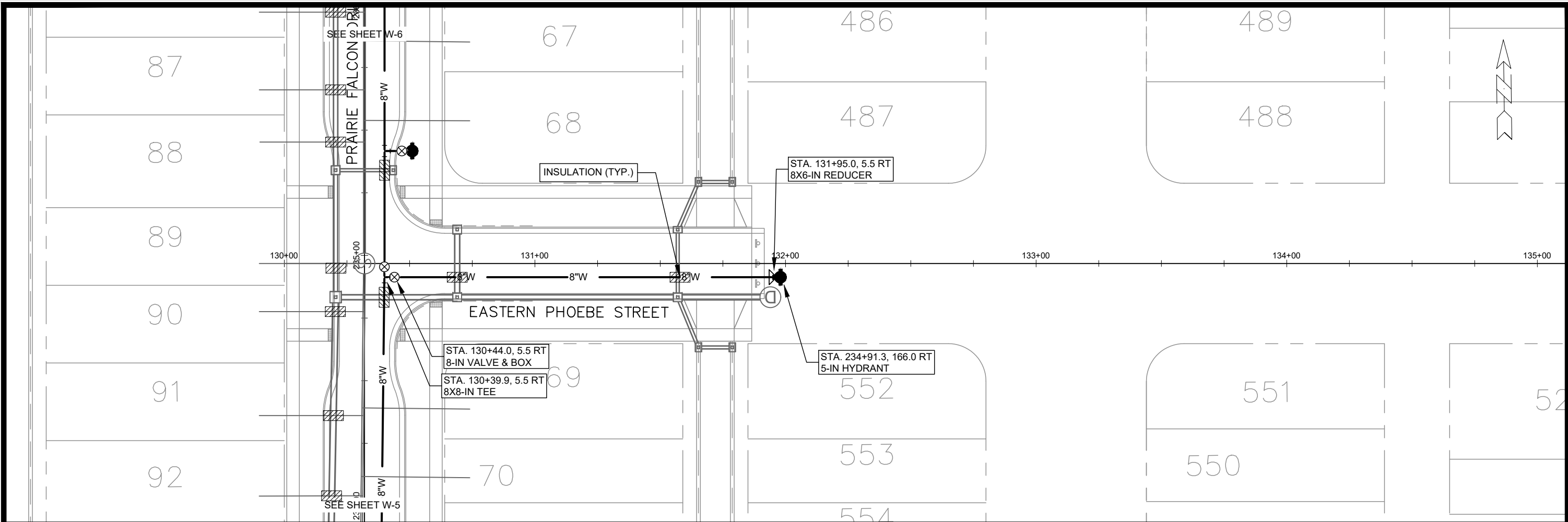
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			W-4



16088	
W-4	



16088		MADISON, WI		9720	
WATER PLAN & PROFILE - PRAIRIE FALCON DRIVE		REILAND GROVE PHASE 1		CONTRACT NO.:	
16088		W-5			
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MARK		Designed By: TDP		W-5	



16088		MADISON, WI		CONTRACT NO: 9720	
WATER PLAN & PROFILE - EASTERN PHOEBE STREET		REILAND GROVE PHASE 1		M:\DESIGN\Projects\16088\CAD\Water\16088WU-PressureNetwork.dwg	
16088		W-7			
BY		DATE		Scale: 1" = 40'	
REVISION		Date: 7/22/2026 10:38 AM			
MARK		Designed By: TDP		16088	



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]

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.

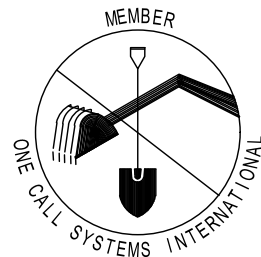
WN-1	REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
WN-2	EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
WN-3	EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
WN-4	DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE 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.

ULO UTILITY STATION OFFSET SHEET

*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:			
<u>PAY ITEM ID</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	80	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	2740	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	5	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	10	EACH
70040	FURNISH AND INSTALL AND SALVAGE HYDRANT	8	EACH
70050	FURNISH AND INSTALL 1-INCH SERVICE LATERALS	62	EACH
70101	FURNISH AND INSTALL STYROFOAM	43	EACH
71123	8-IN 45° BEND	6	EACH
71135	8-IN 22-1/2° BEND	3	EACH
71159	8X6-IN REDUCER	3	EACH
71210	8X6-IN TEE	5	EACH
71211	8X8-IN TEE	4	EACH
71218	12X8-IN TEE	1	EACH
*ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:			
	N/A		
*ESTIMATE OF MATERIALS SALVAGED:			
	N/A		
* 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

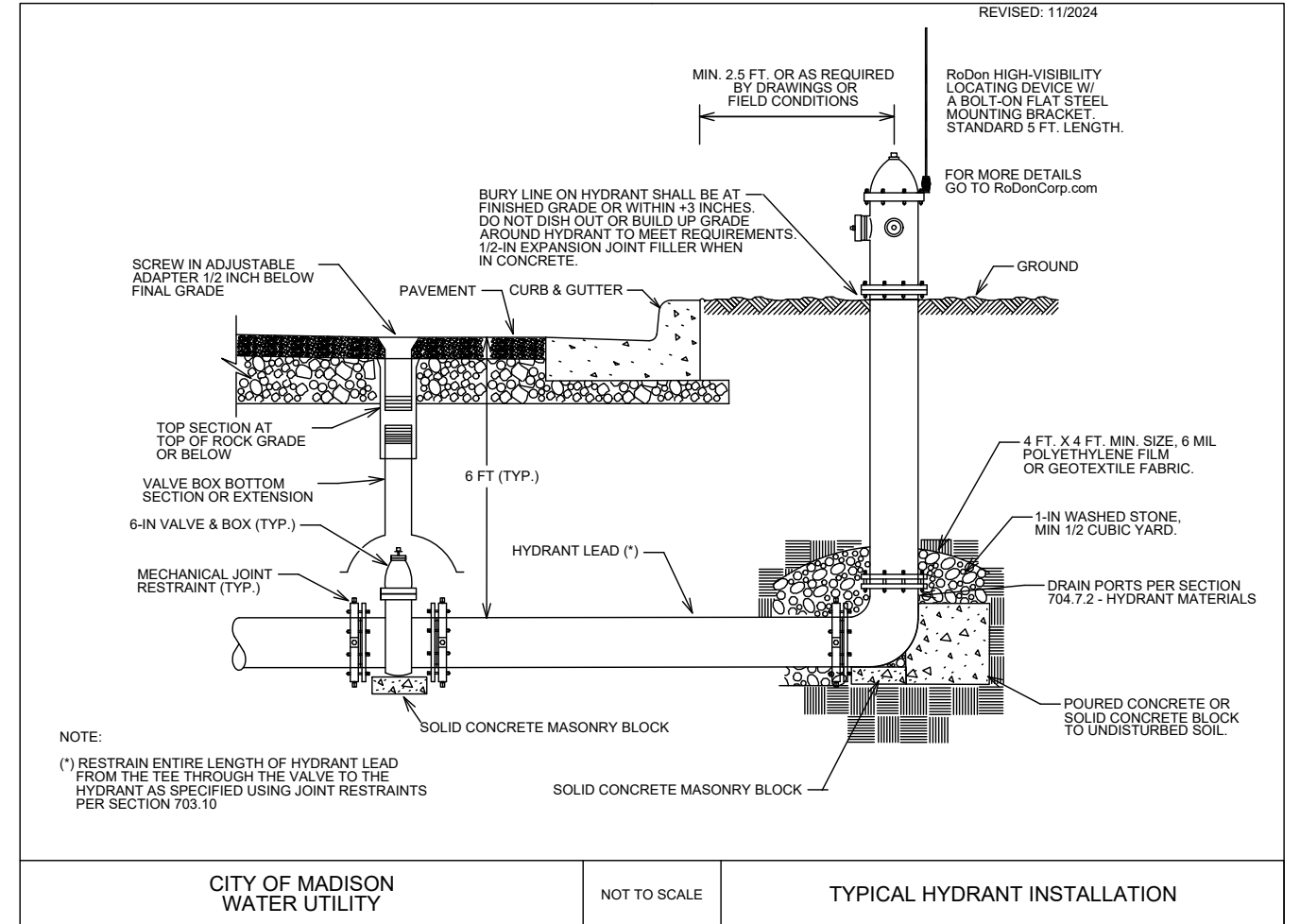
CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289



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.

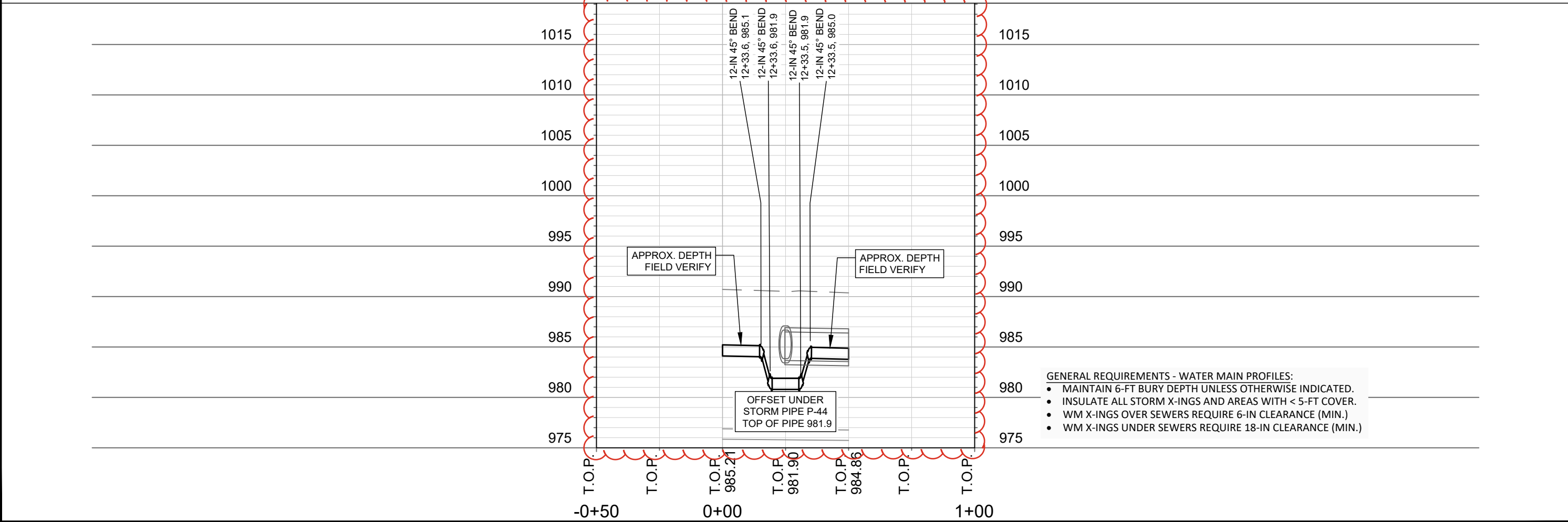
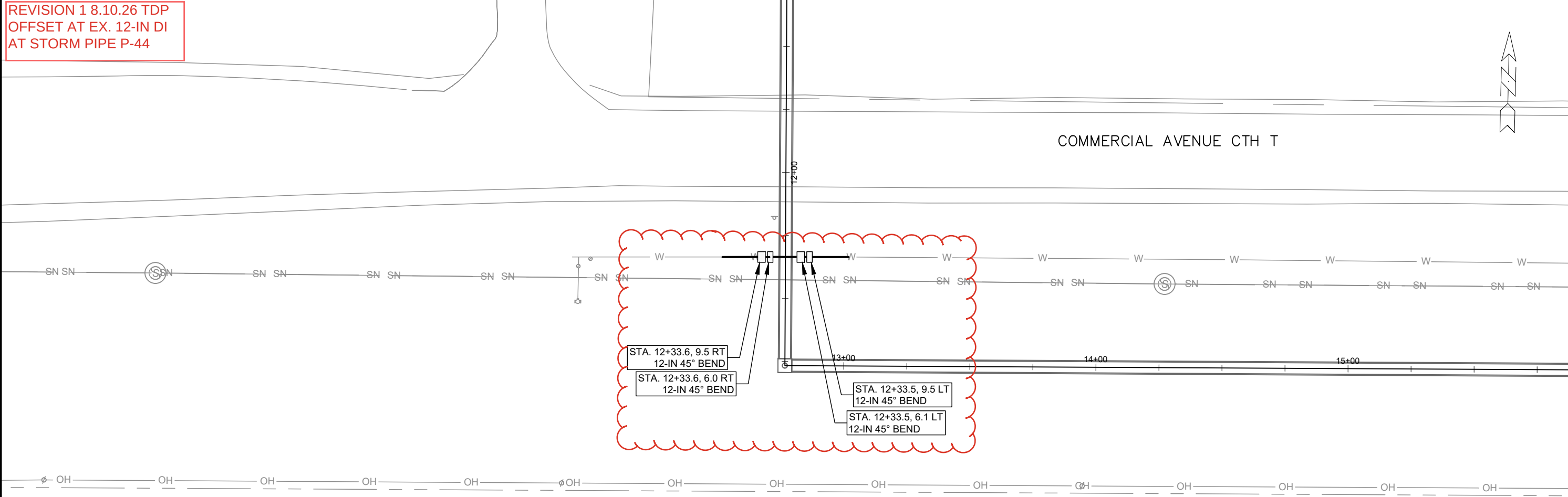
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REVISÉ: 11/2024

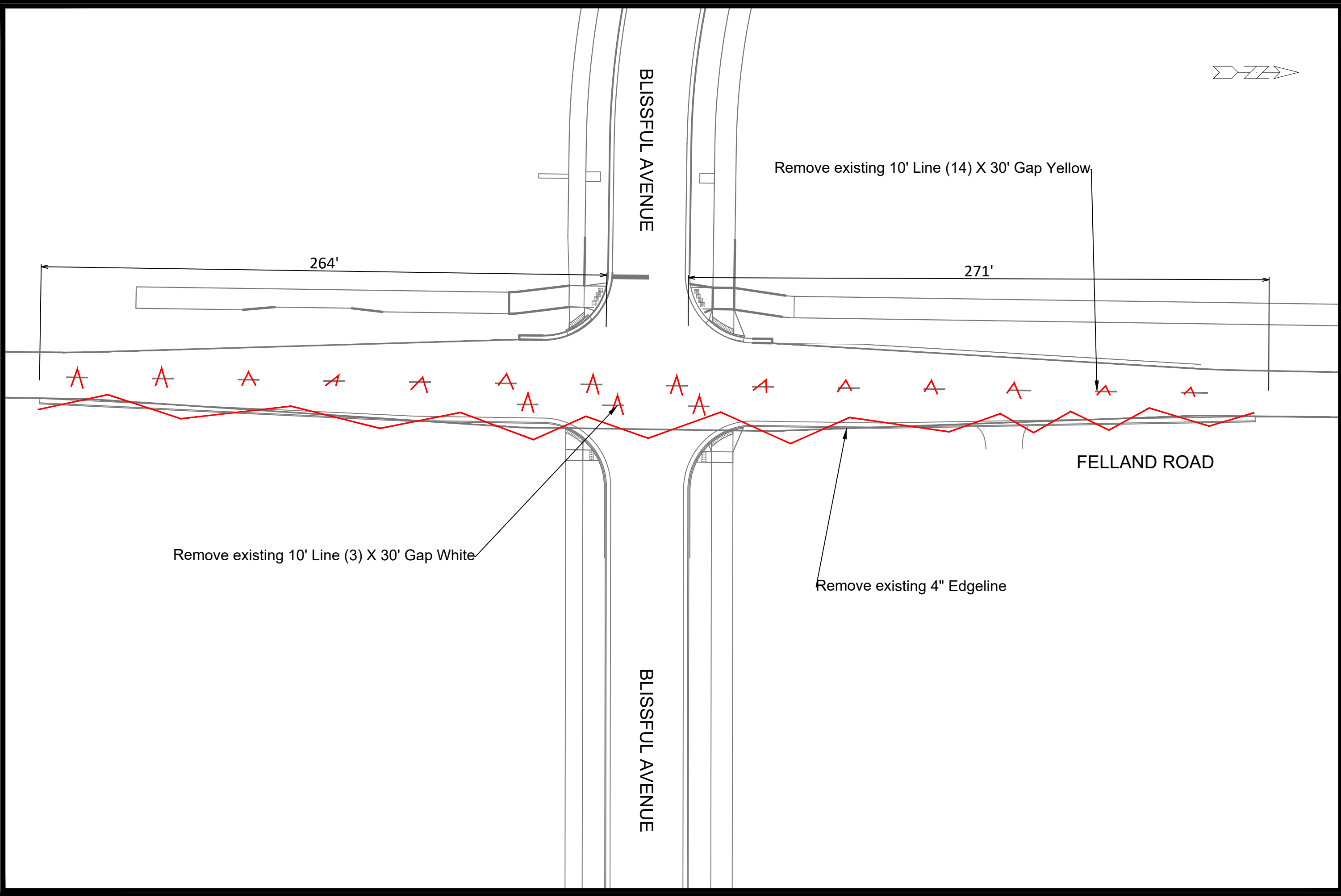


City of Madison Standard Specifications for Public Works Construction

REVISION 1 8.10.26 TDP
OFFSET AT EX. 12-IN DI
AT STORM PIPE P-44



16088		MADISON, WI		9720	
WATER PLAN & PROFILE - COMMERCIAL AVENUE		REILAND GROVE PHASE 1		CONTRACT NO:	
16088		W-10			
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CITY OF MADISON WISCONSIN					
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MARK		Desigined By: TDP		16088	

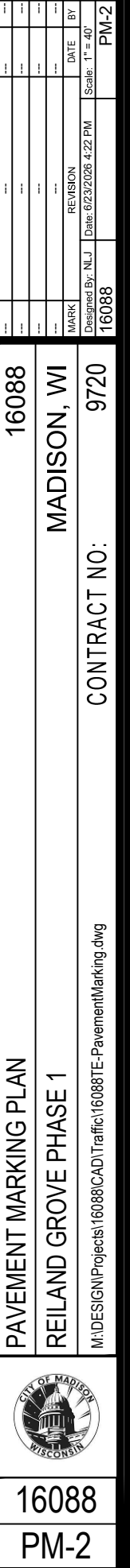


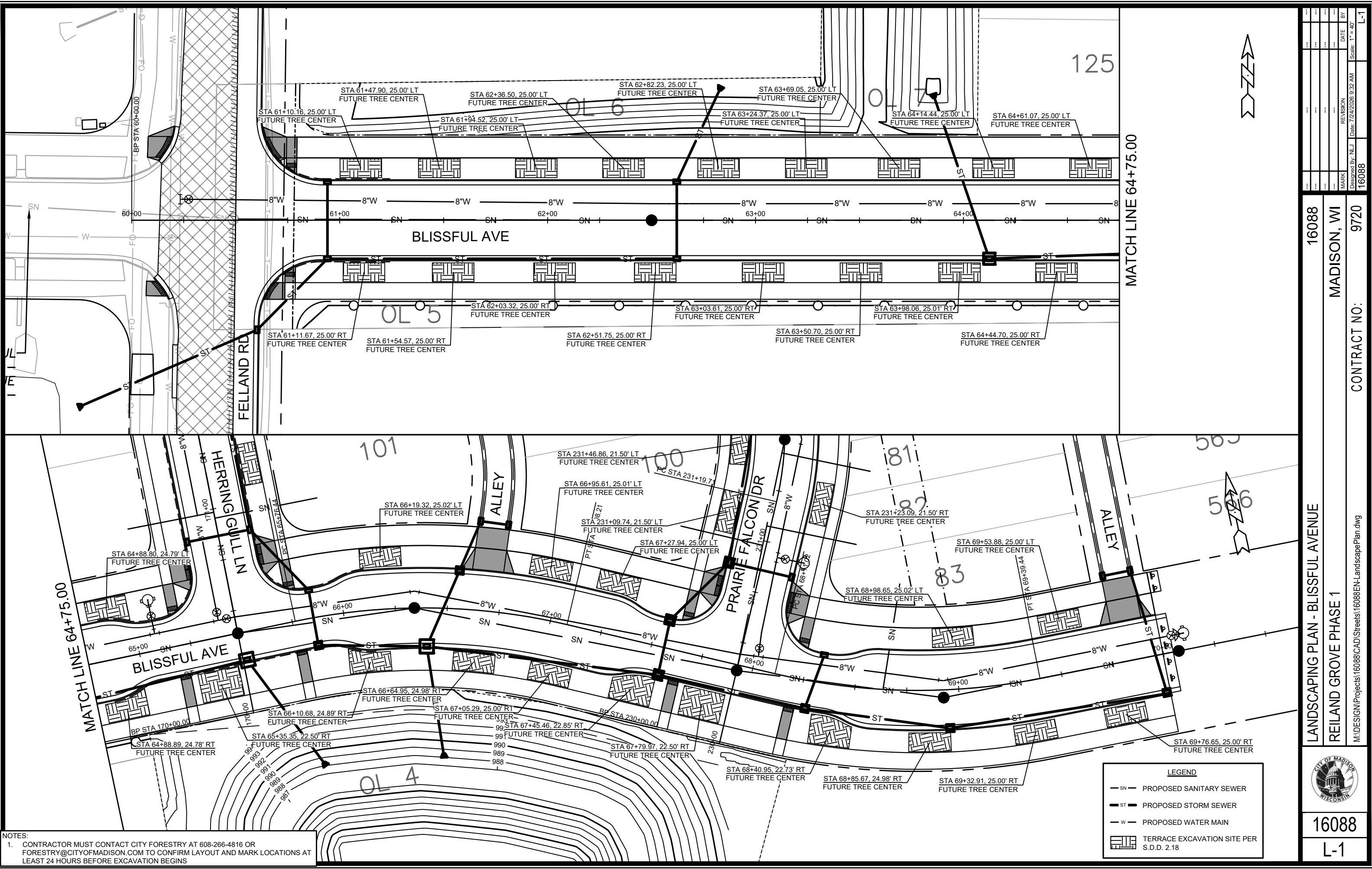
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16088	MADISON, WI	9720
PAVEMENT MARKING REMOVALS	REILAND GROVE PHASE 1	CONTRACT NO:
M:\DESIGN\Projects\16088\CAD\Traffic\16088TE-PavementMarking_removals.dwg		



16088
PM-1





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

LEGEND

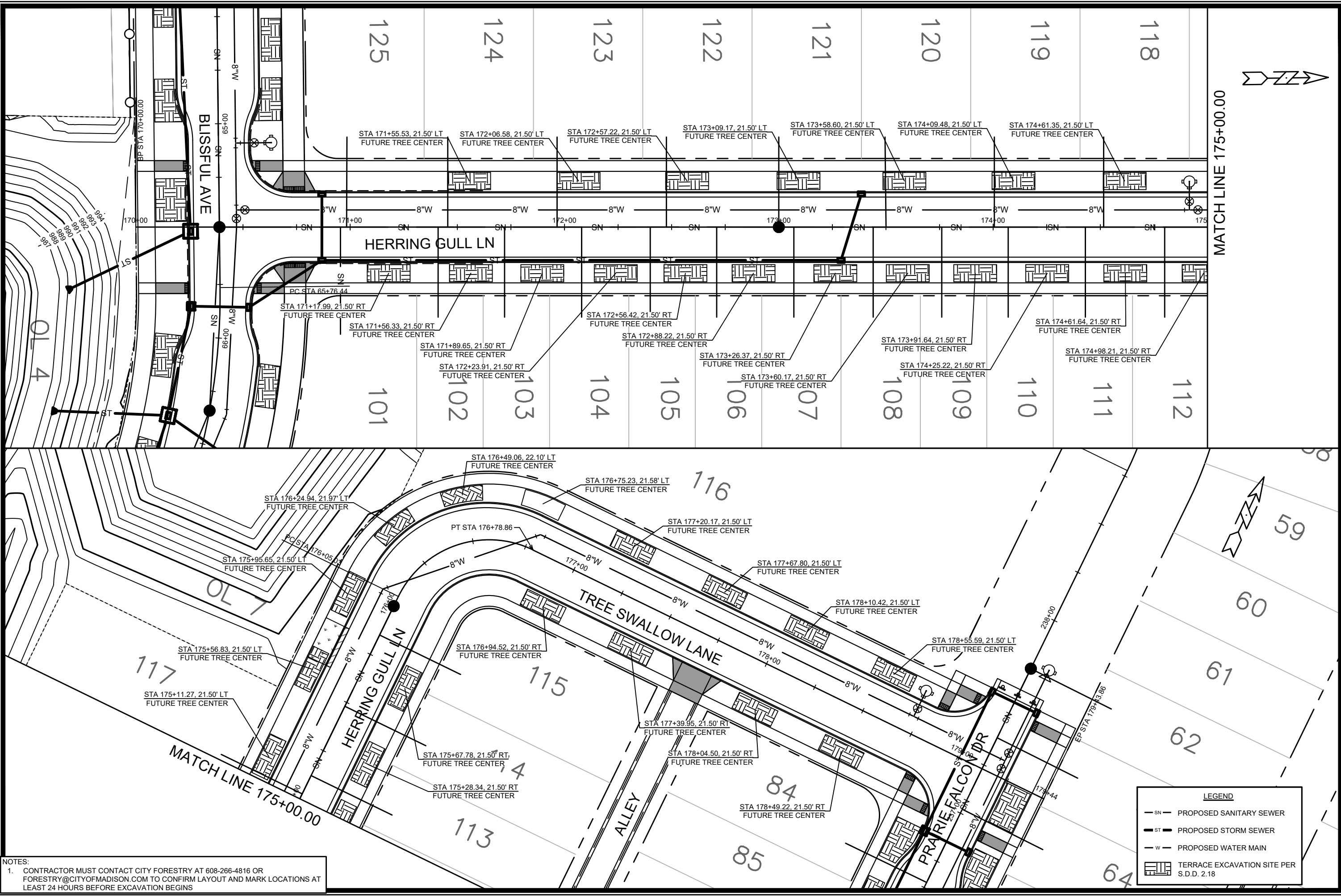
- SN — PROPOSED SANITARY SEWER
- ST — PROPOSED STORM SEWER
- W — PROPOSED WATER MAIN
- TERRACE EXCAVATION SITE PER S.D.D. 2.18

16088		MADISON, WI		CONTRACT NO: 9720	
LANDSCAPING PLAN - BLISSFUL AVENUE		REILAND GROVE PHASE 1		16088	
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BY		DATE		L-1	
REVISION		Date: 7/24/2026 9:32 AM			
MARK		Designed By: NLL		16088	

CITY OF MADISON WISCONSIN

16088

L-1



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

LEGEND

— SN —

PROPOSED SANITARY SEWER

— ST —

PROPOSED STORM SEWER

— W —

PROPOSED WATER MAIN

TERRACE EXCAVATION SITE PER S.D.D. 2.18

16088

MADISON, WI

REILAND GROVE PHASE 1

16088

L-2

LANDSCAPING PLAN - HERRING GULL LANE - TREE SWALLOW LANE

CONTRACT NO.: 9720

16088

L-2

MARK

REVISION

DATE

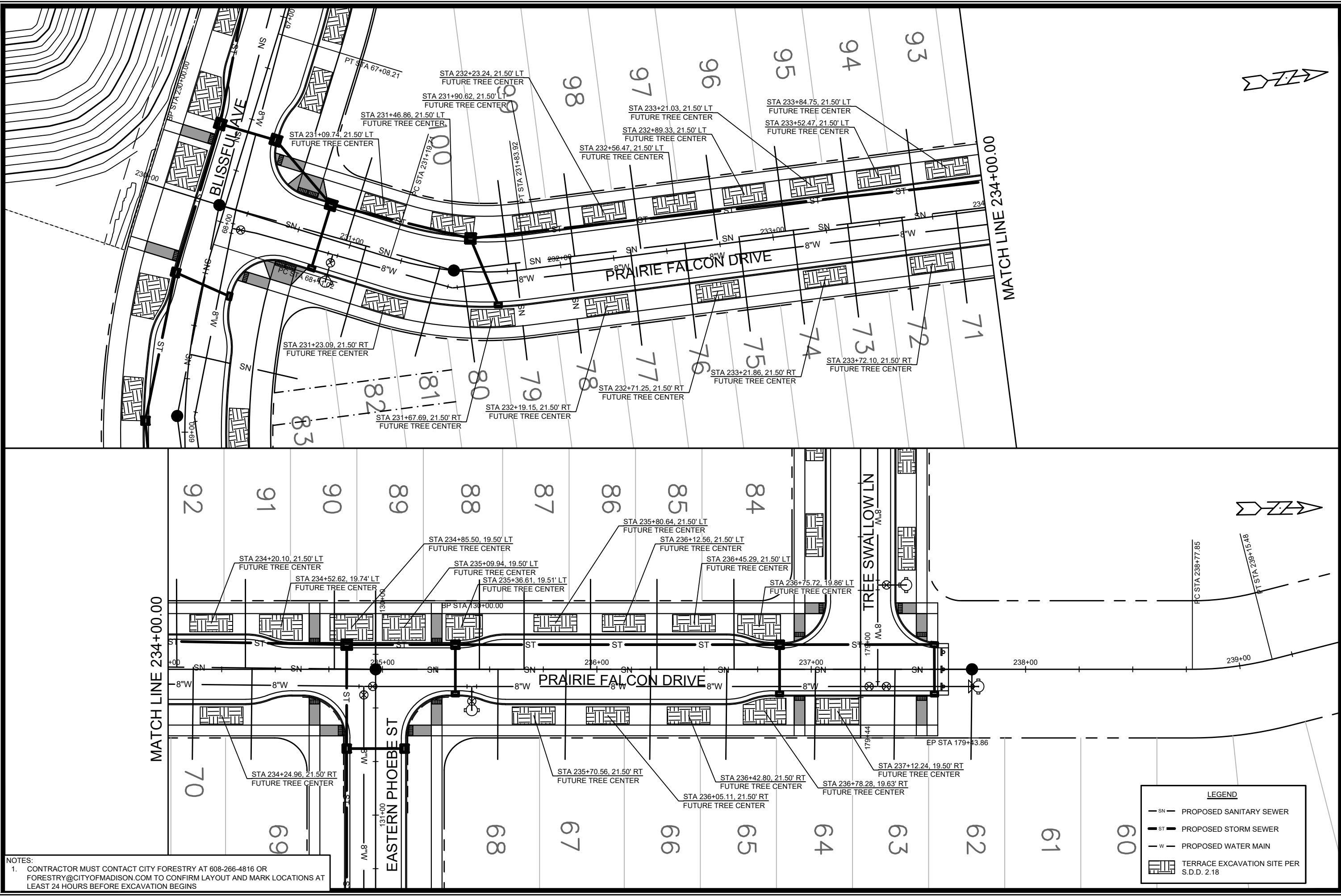
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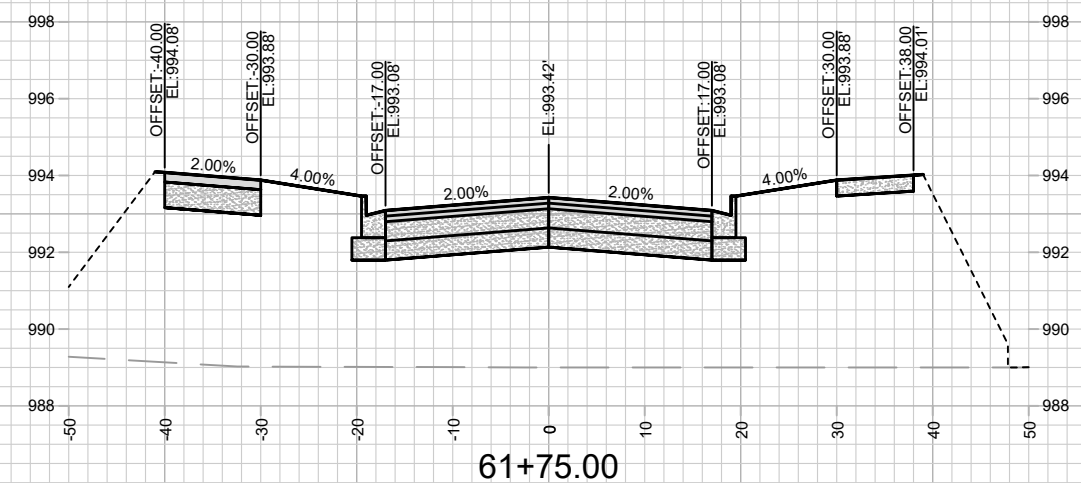
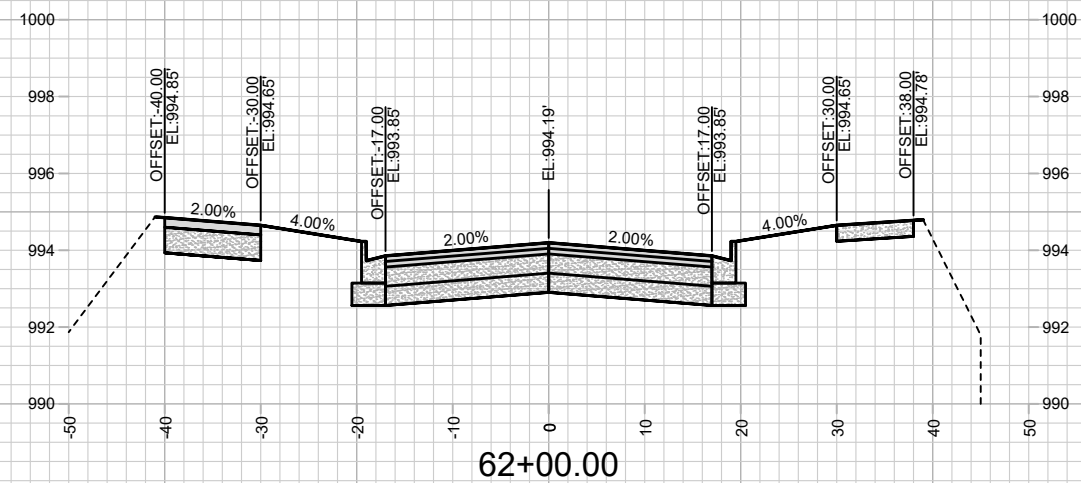
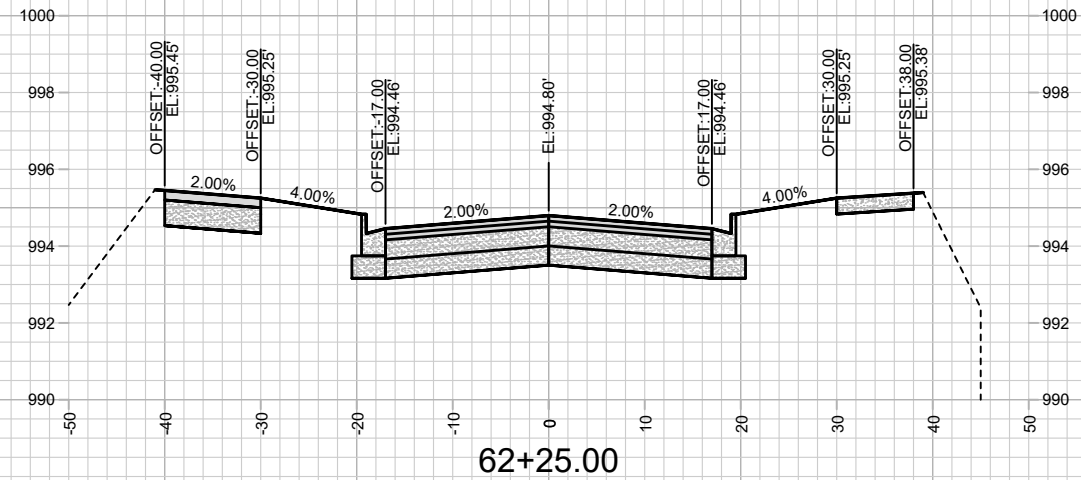
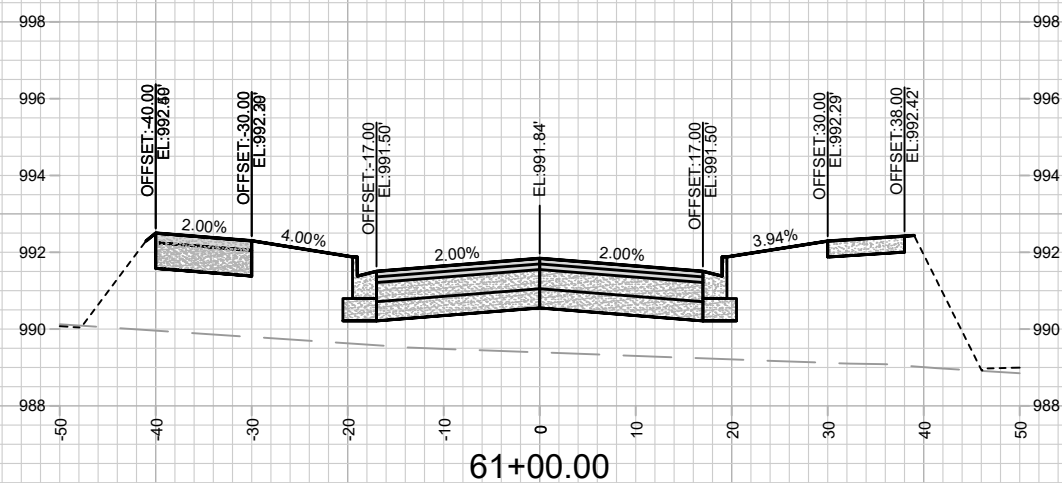
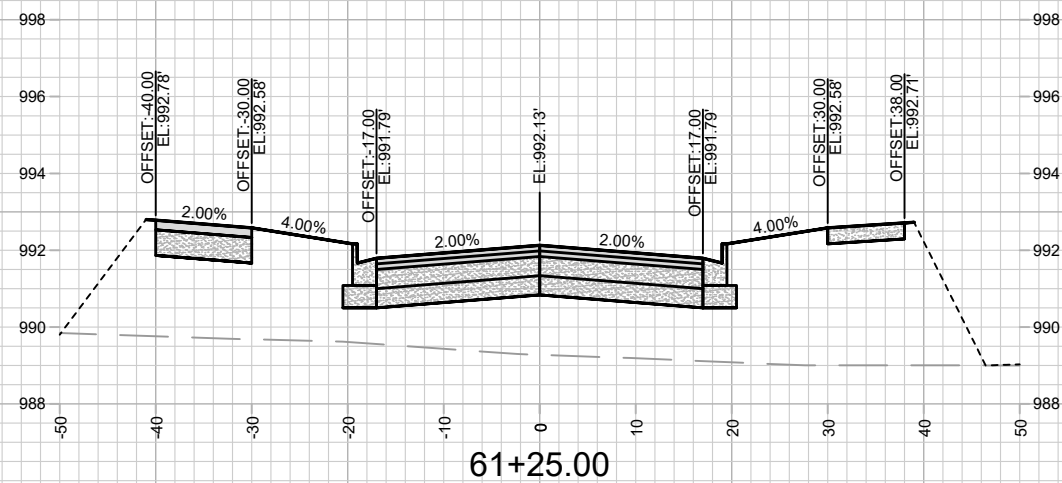
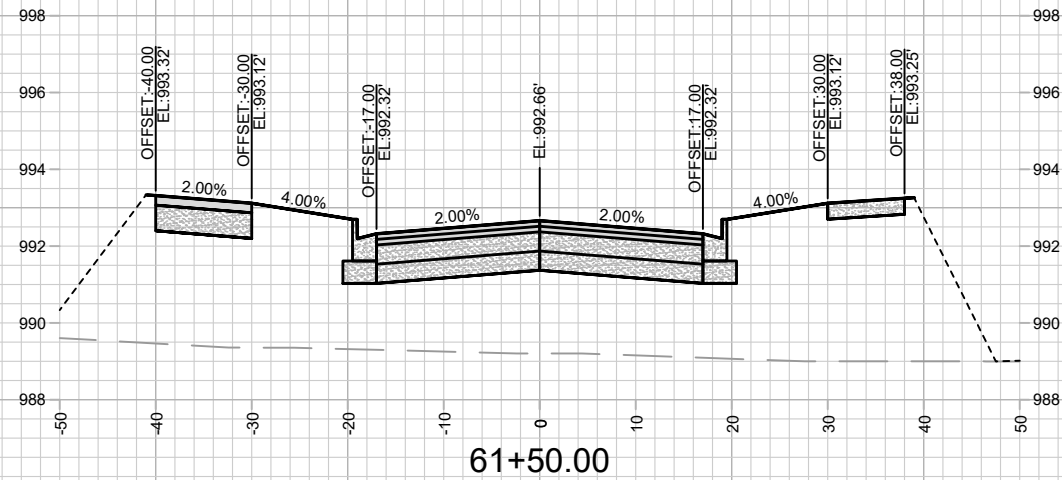


NOTES:
1. CONTRACTOR MUST CONTACT CITY FORESTRY AT 608-266-4816 OR FORESTRY@CITYOFMADISON.COM TO CONFIRM LAYOUT AND MARK LOCATIONS AT LEAST 24 HOURS BEFORE EXCAVATION BEGINS

LEGEND

- SN — PROPOSED SANITARY SEWER
- ST — PROPOSED STORM SEWER
- W — PROPOSED WATER MAIN
- [Hatched Box] TERRACE EXCAVATION SITE PER S.D.D. 2.18

16088		MADISON, WI		CONTRACT NO: 9720	
LANDSCAPING PLAN - PRAIRIE FALCON DRIVE		REILAND GROVE PHASE 1		16088	
				L-3	
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				REVISION	
				MARK	
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				16088	

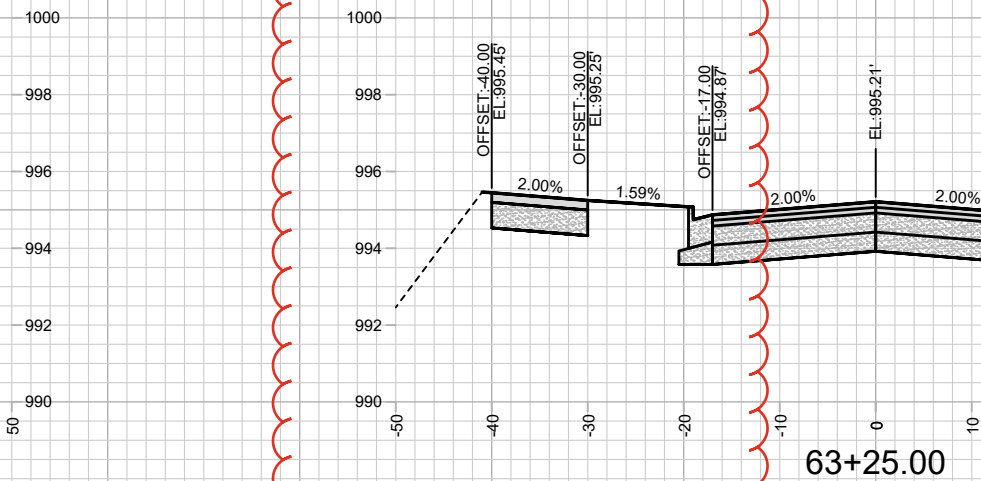
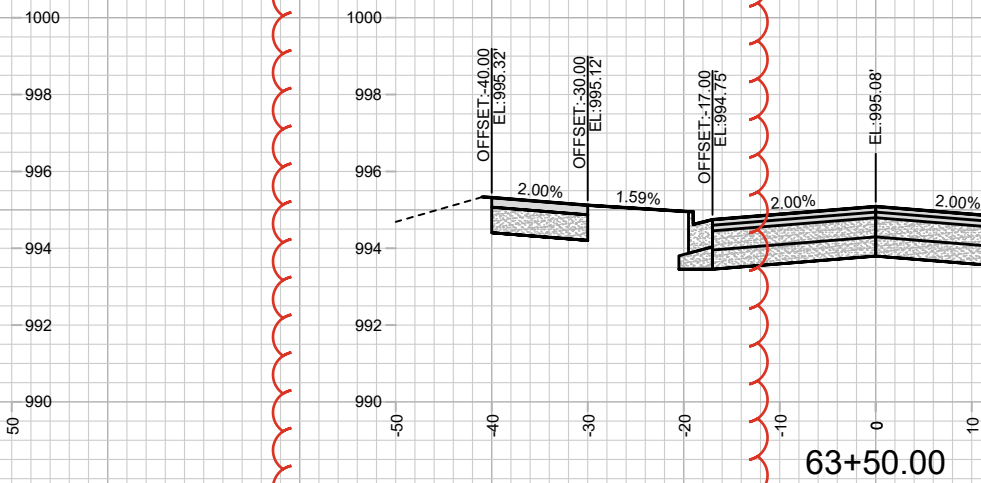
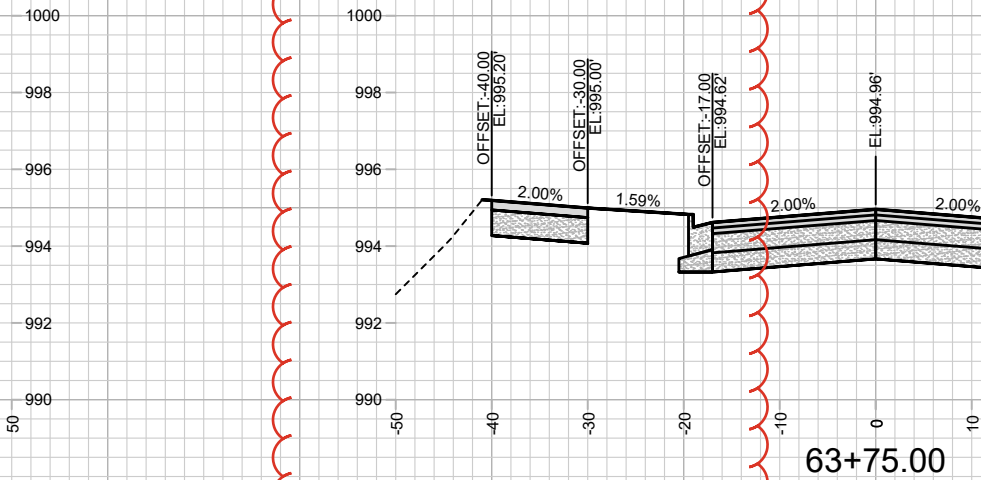
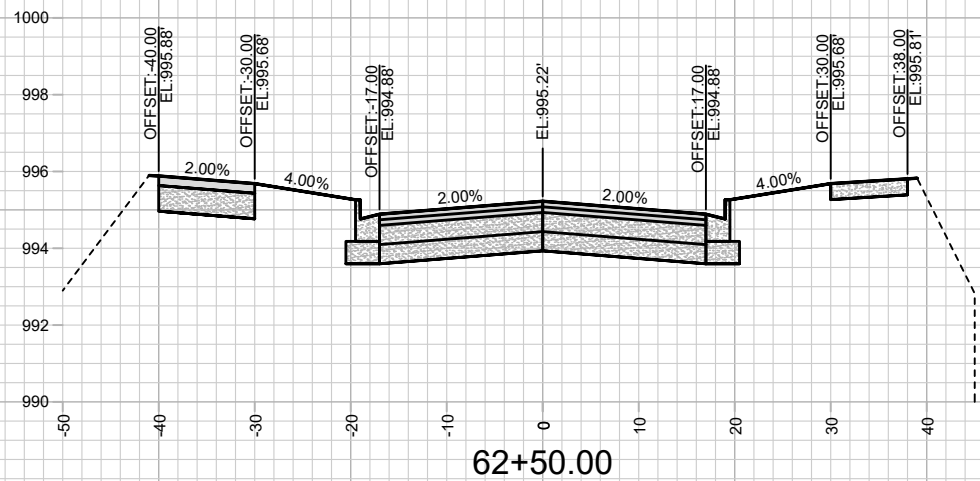
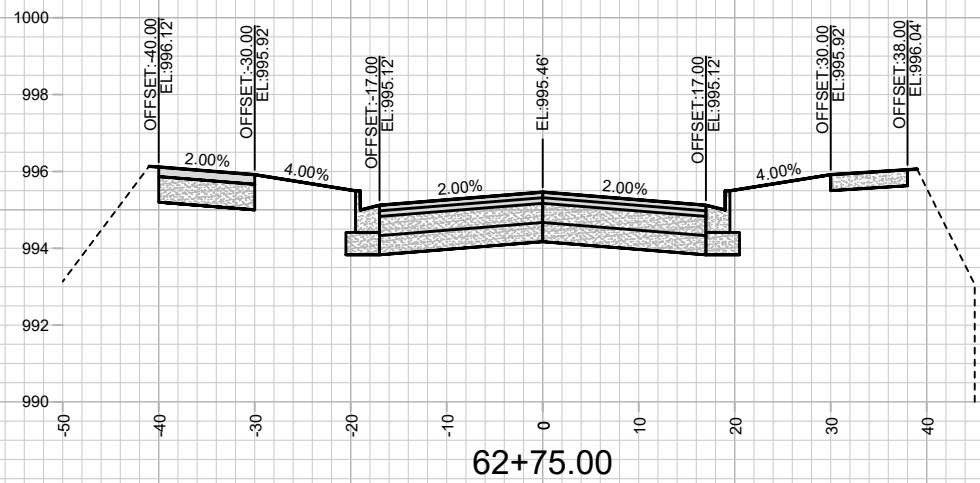
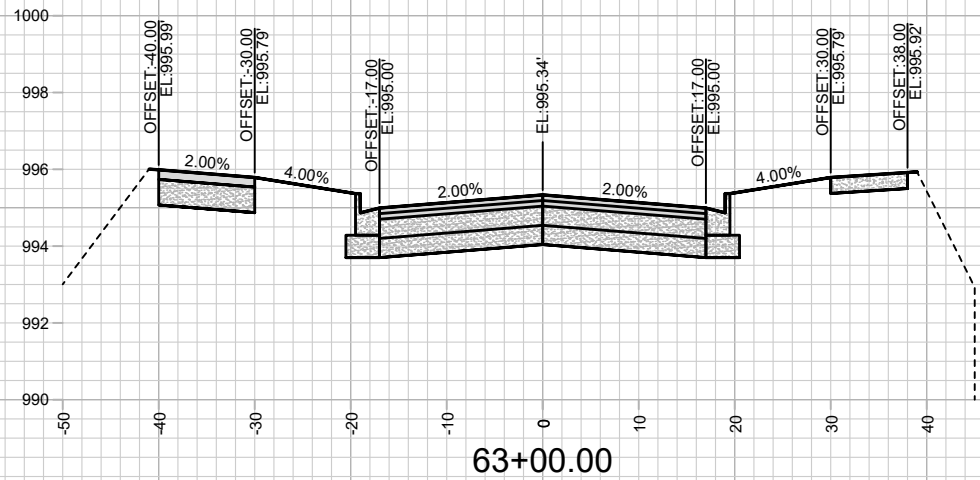


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16088	7/22/2026 1:25 PM	16088	X-1

CROSS SECTIONS - BLISSFUL AVENUE
REILAND GROVE PHASE 1
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16088
MADISON, WI
9720
CONTRACT NO:



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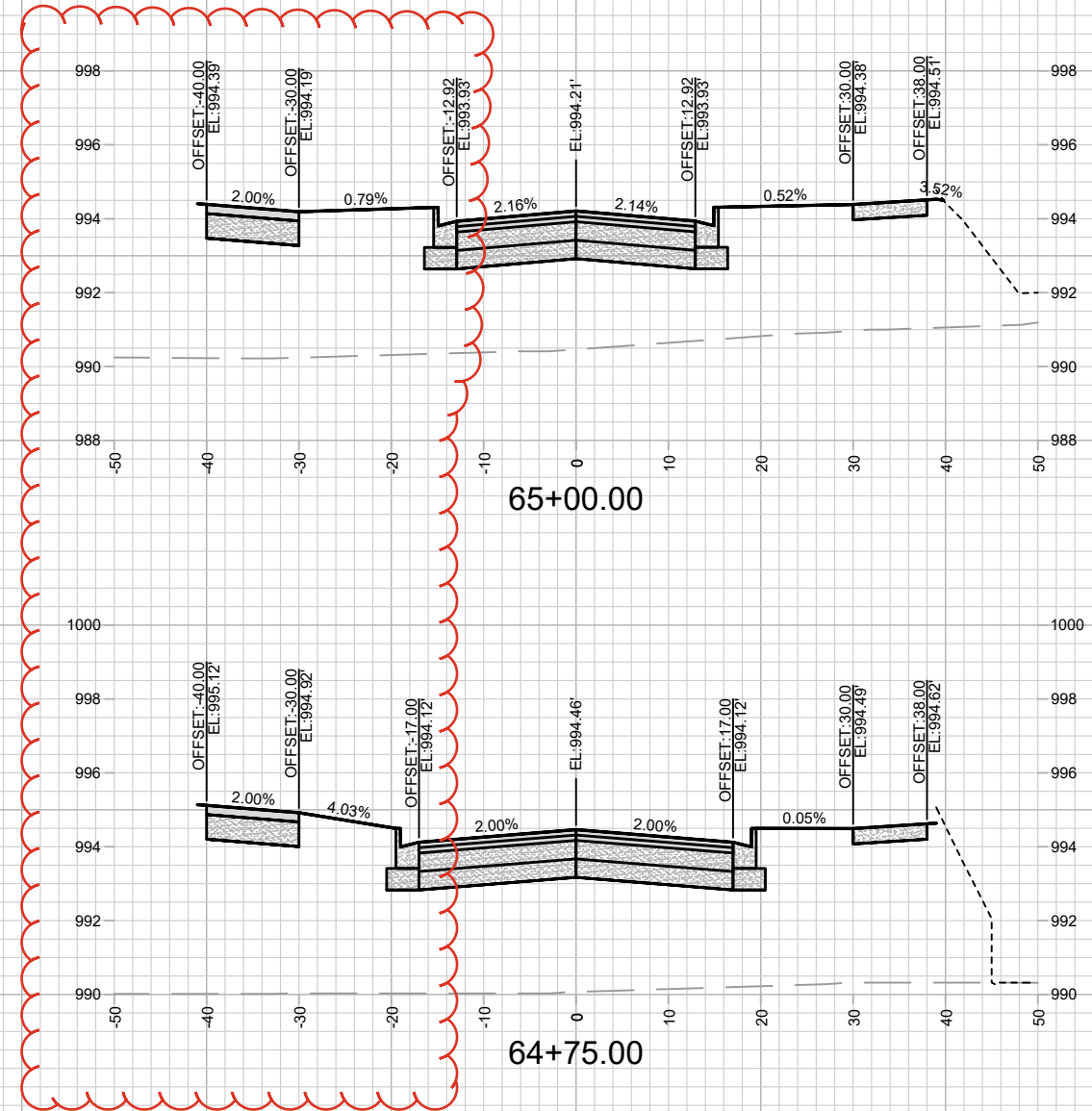
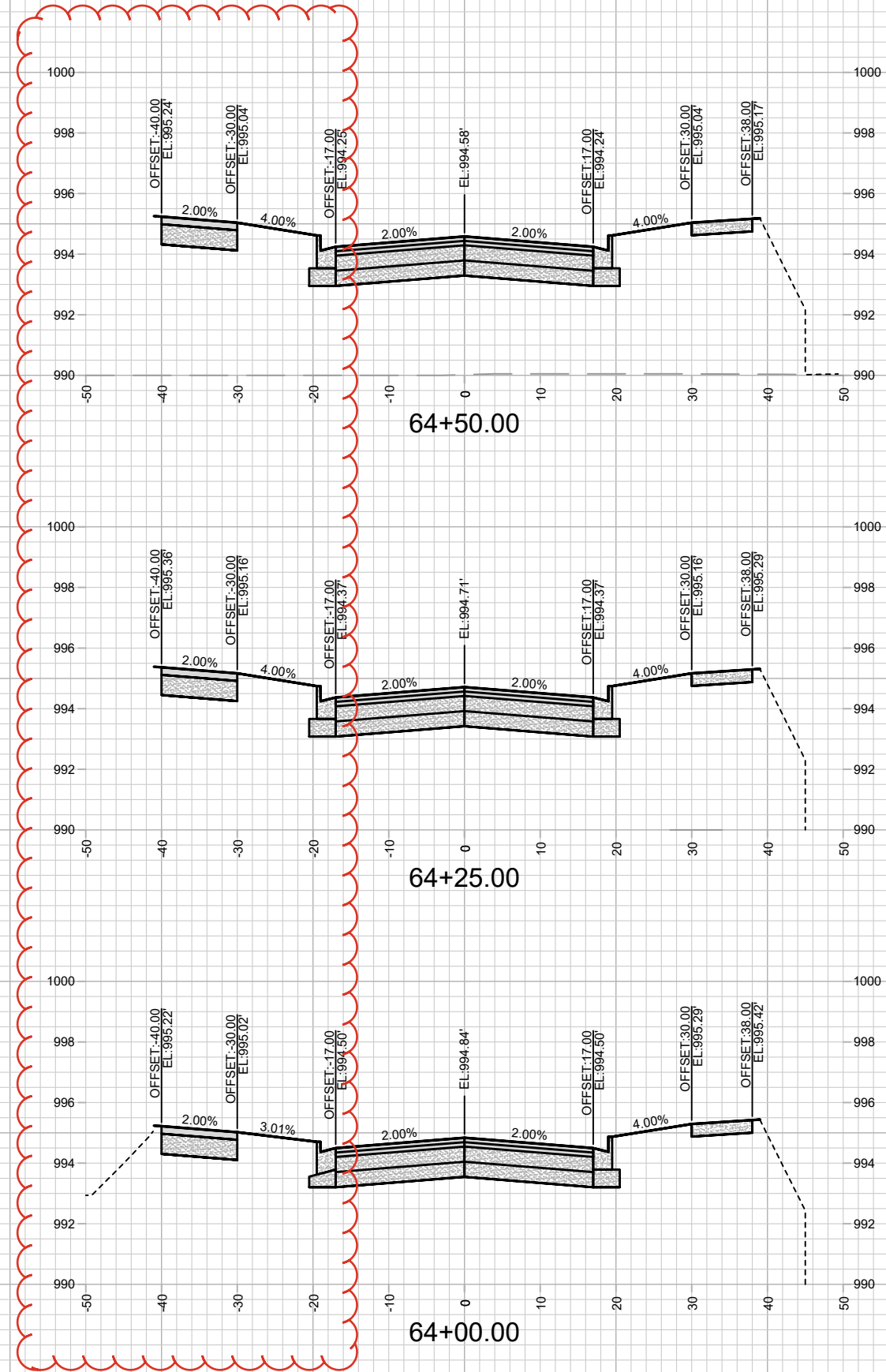
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REILAND GROVE PHASE 1

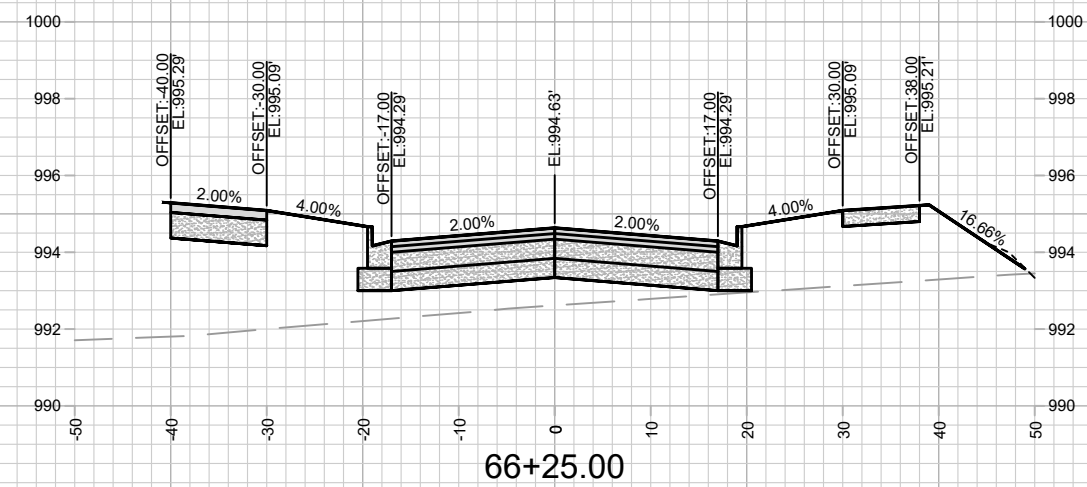
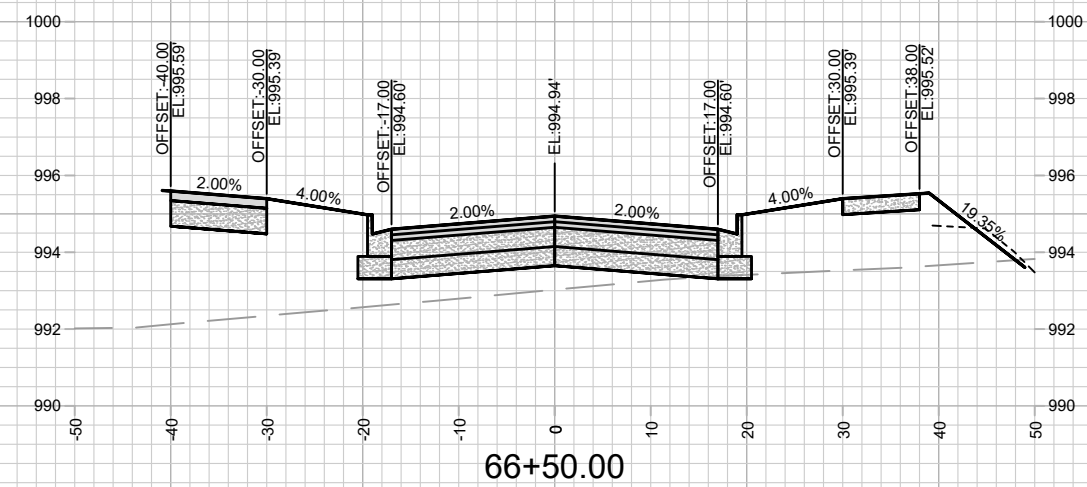
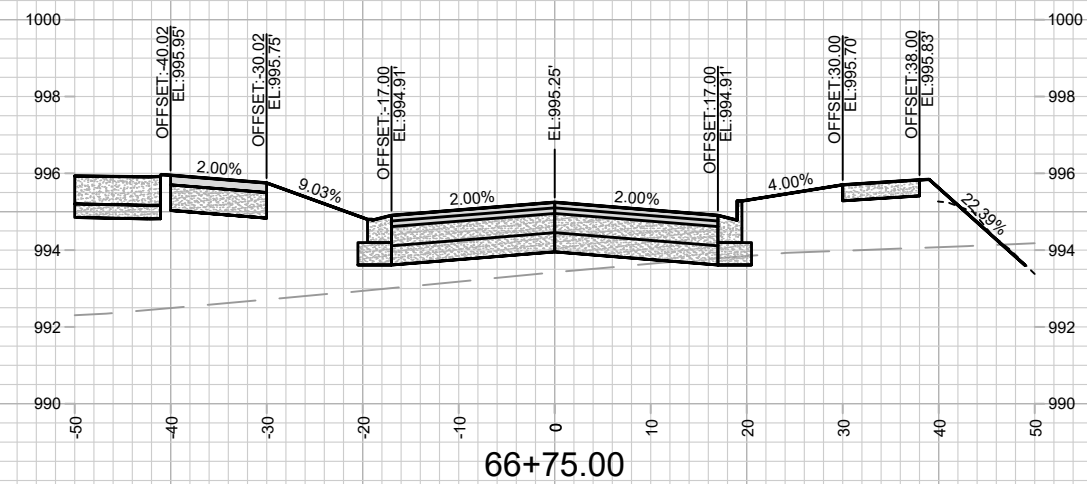
16088
MADISON, WI

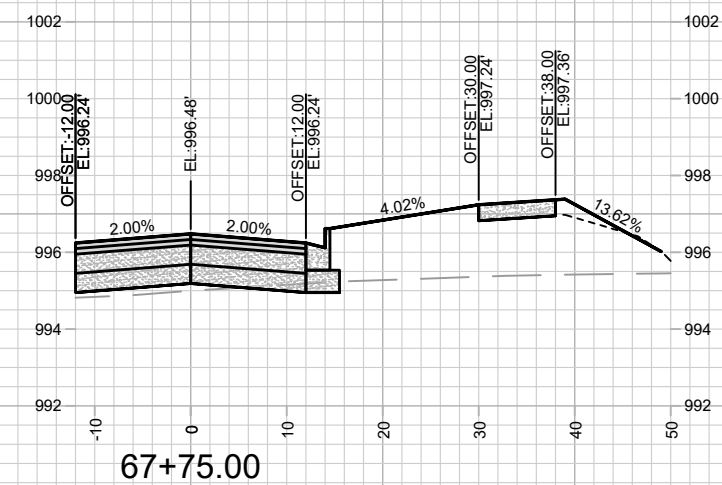
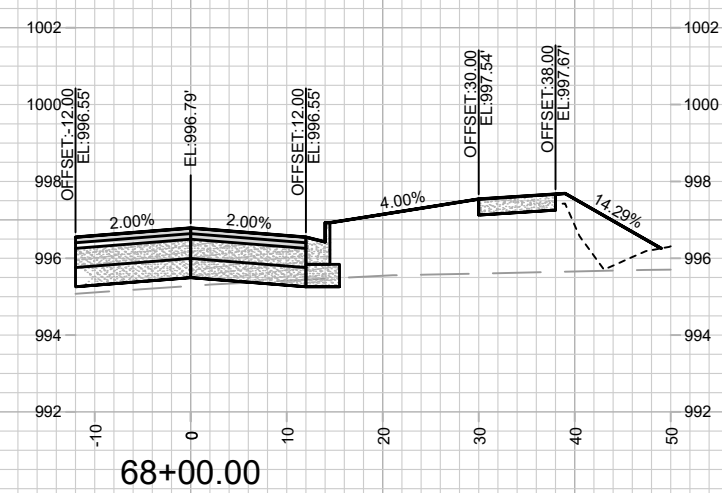
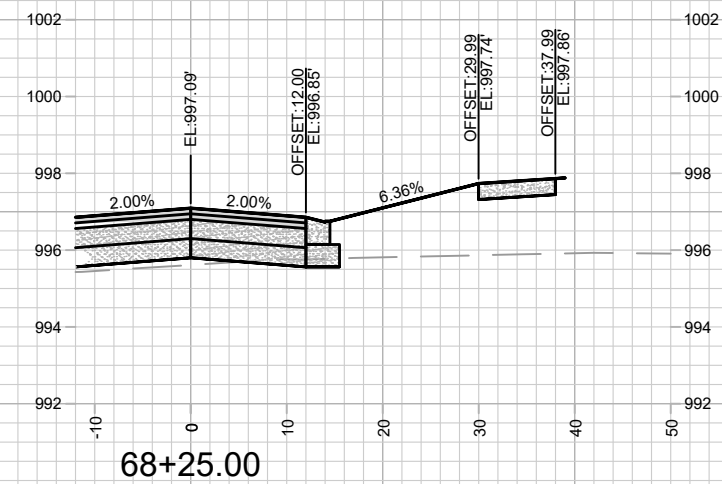
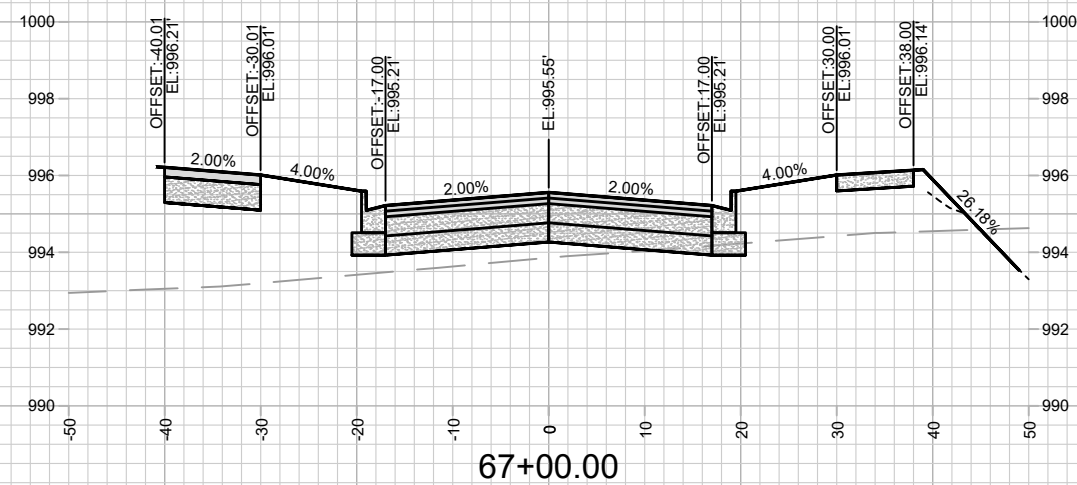
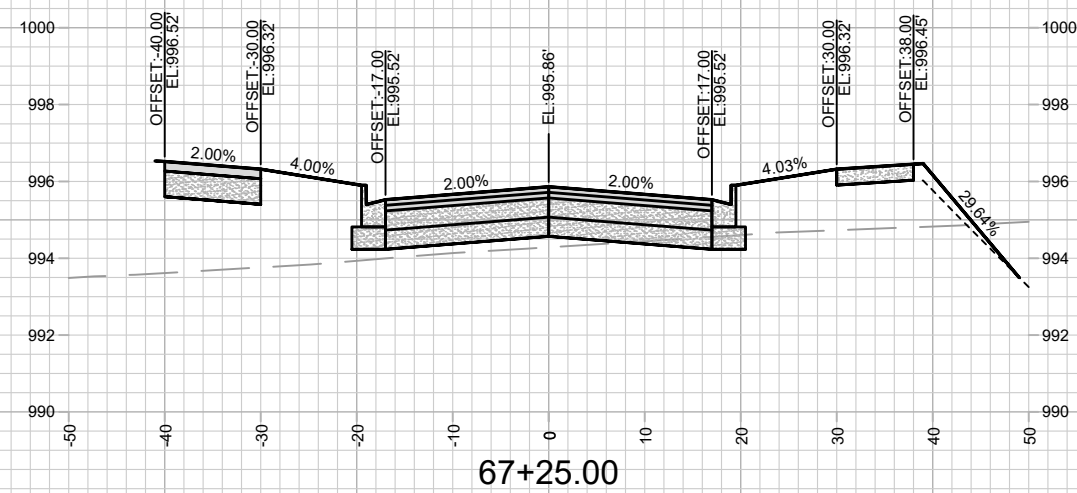
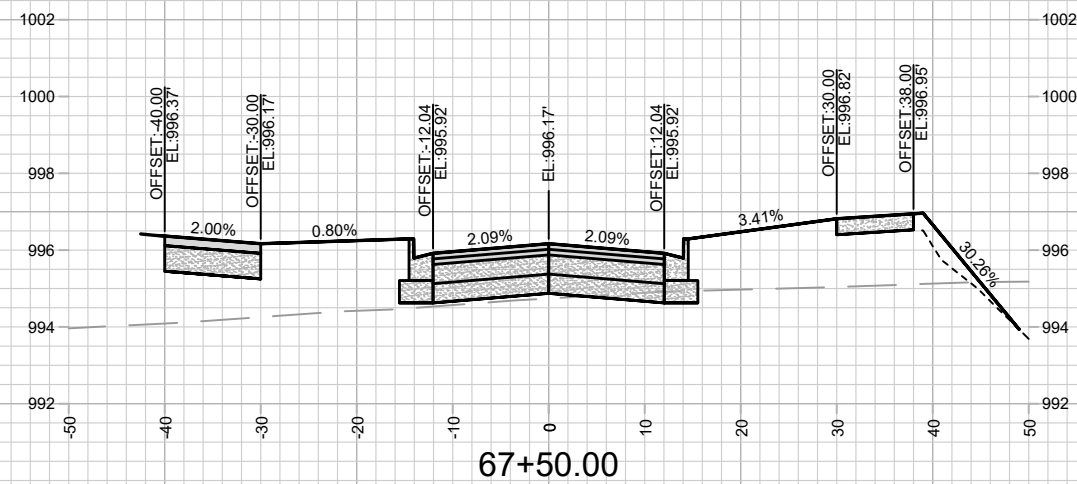
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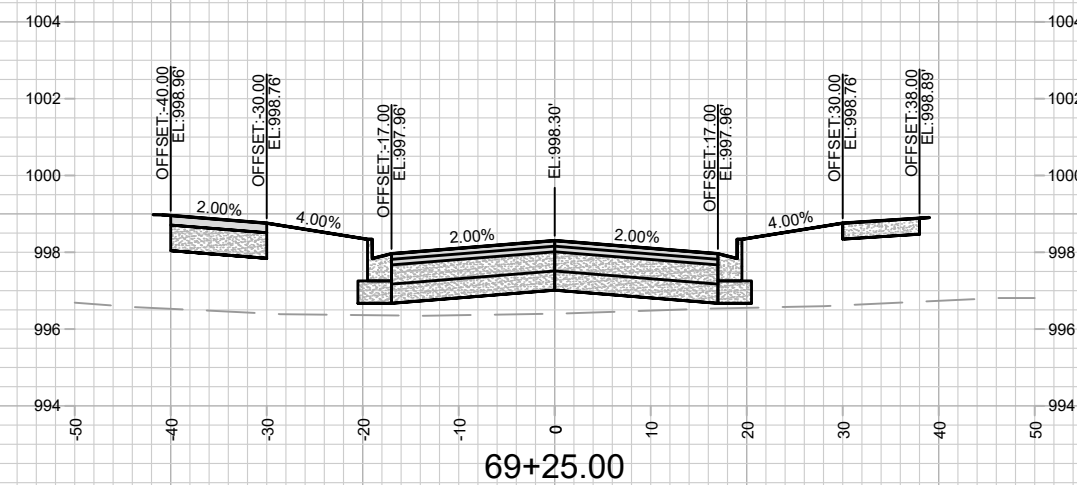
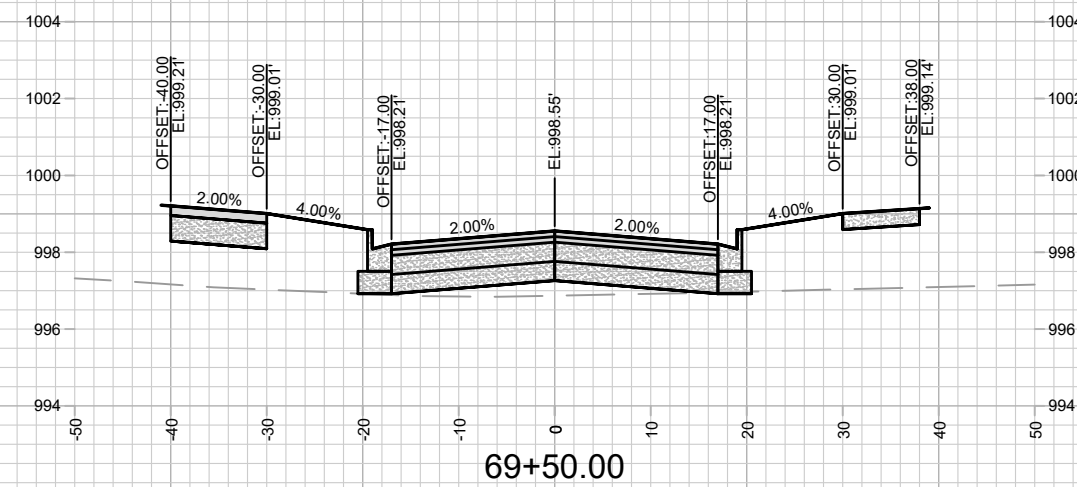
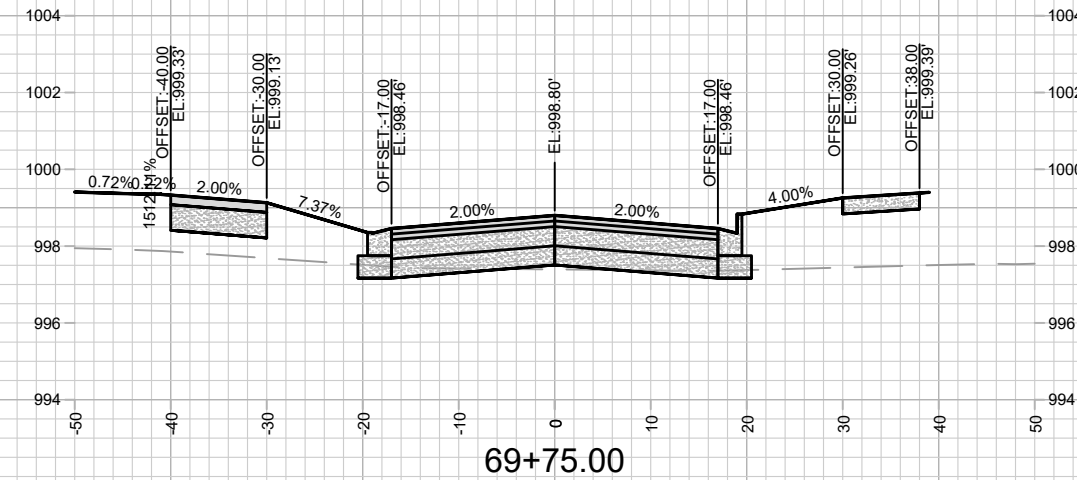
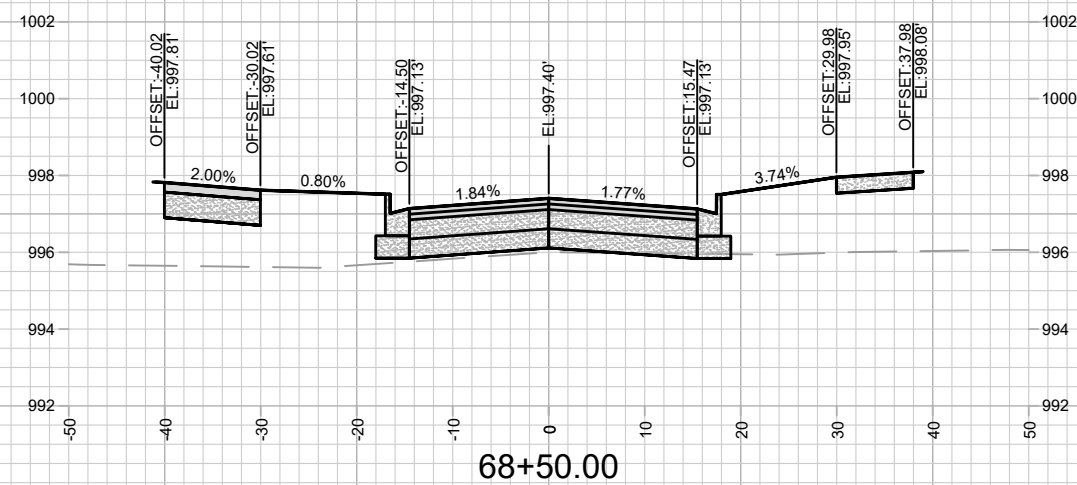
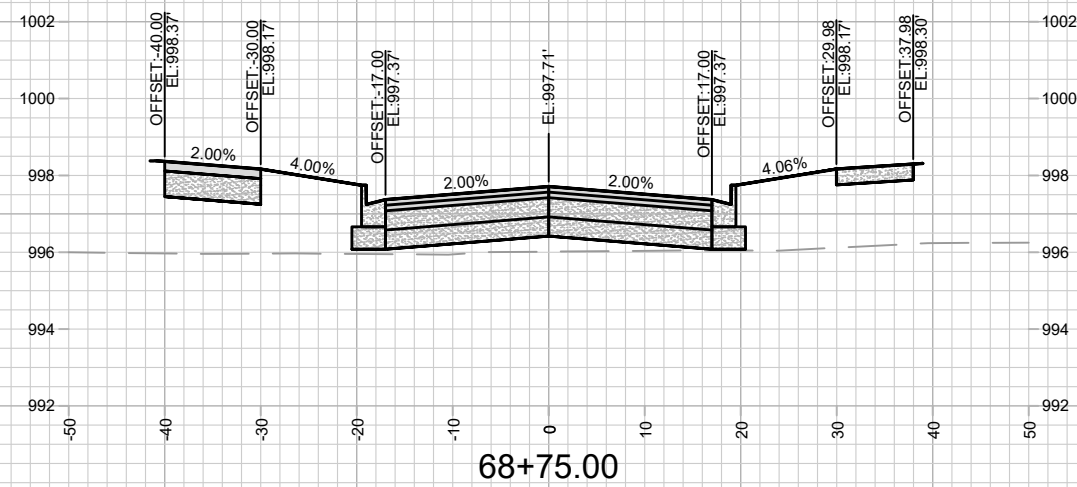
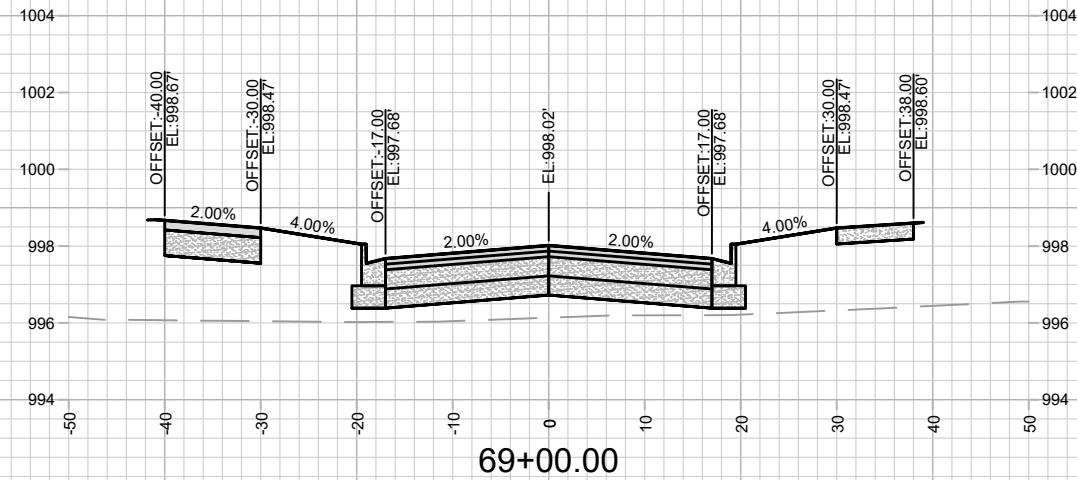
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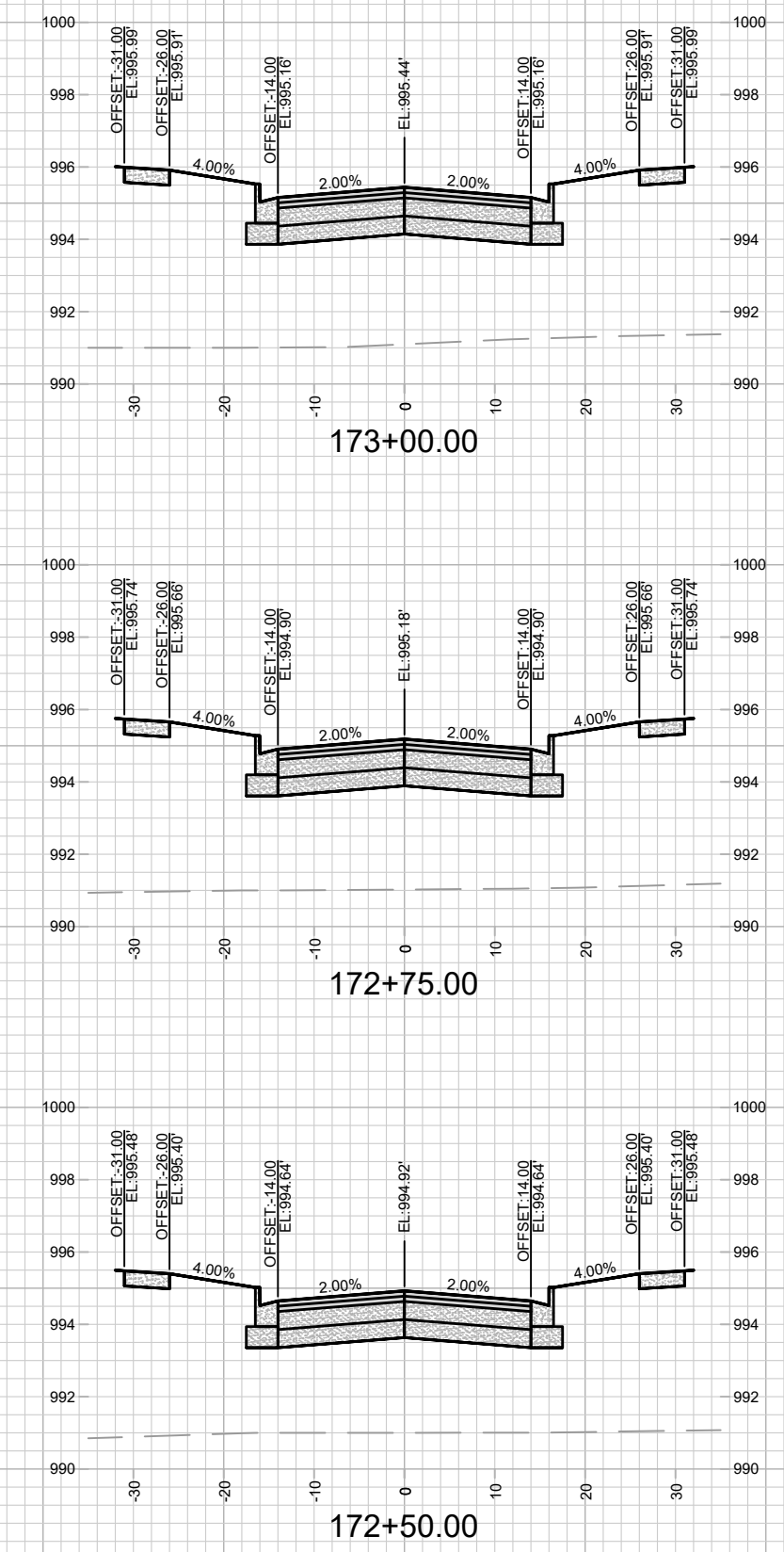
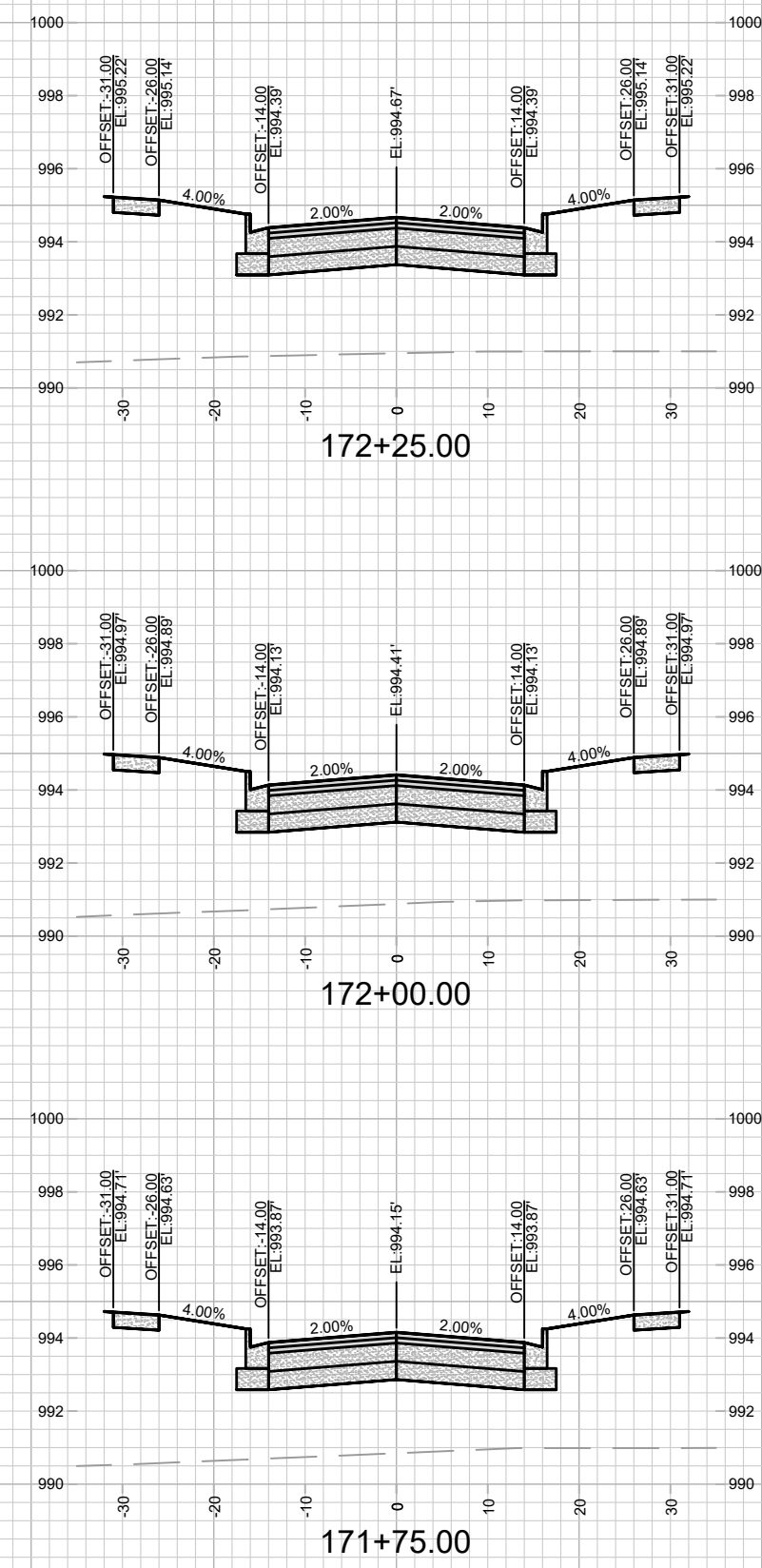
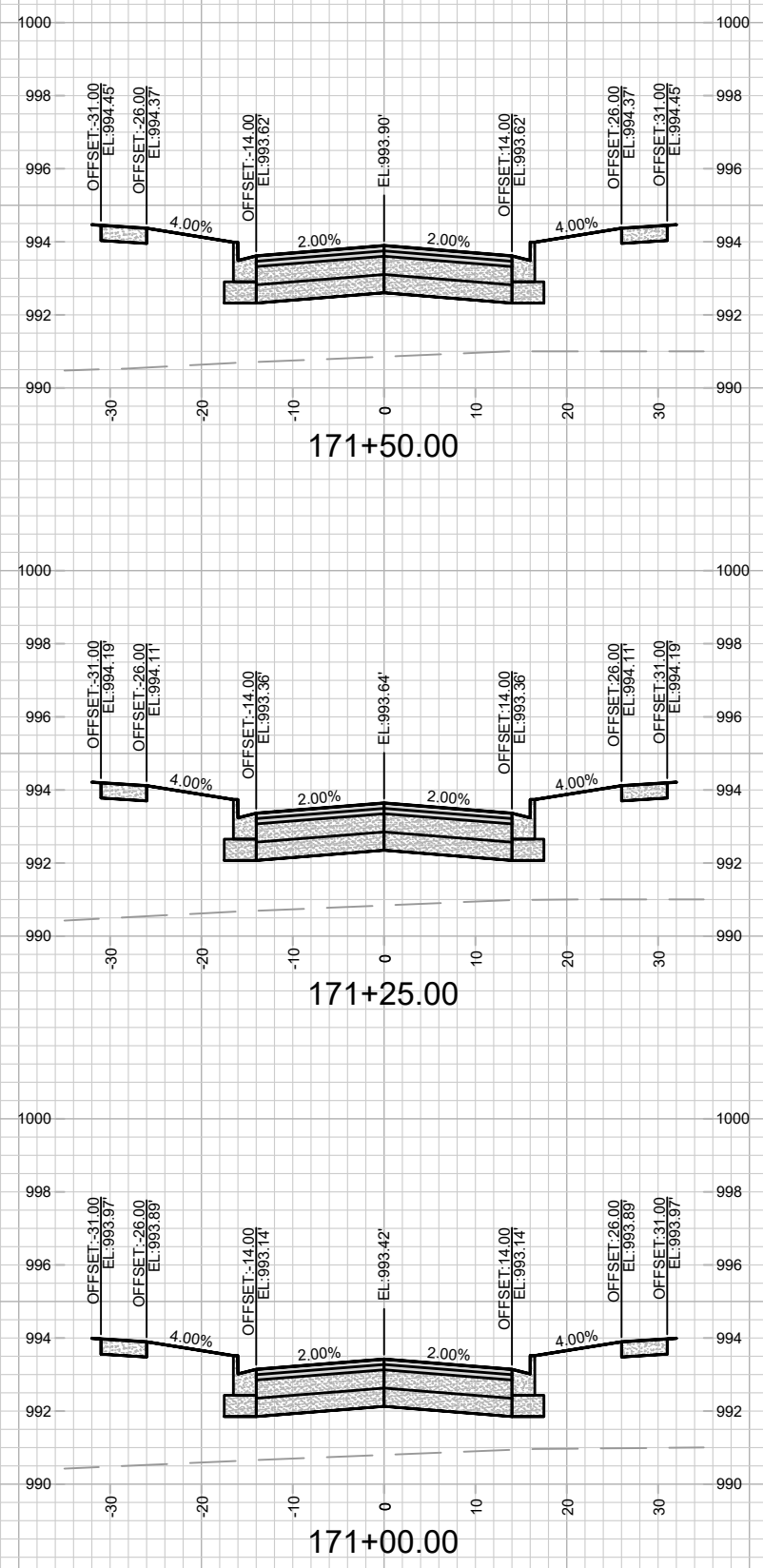
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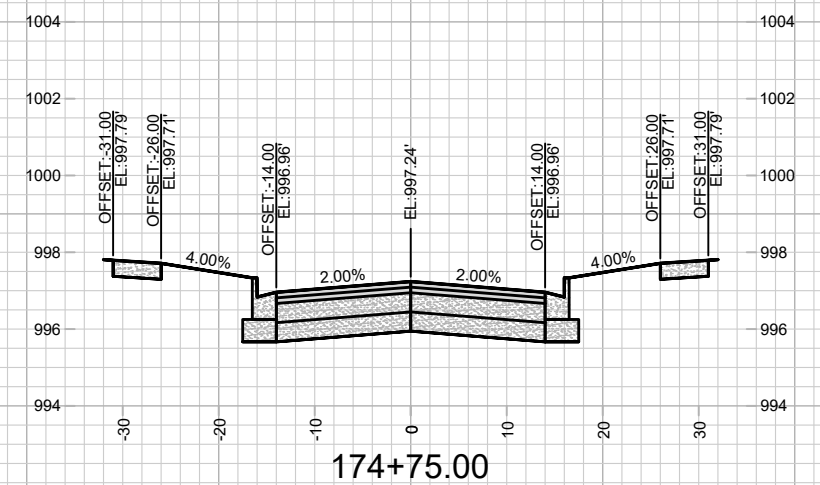
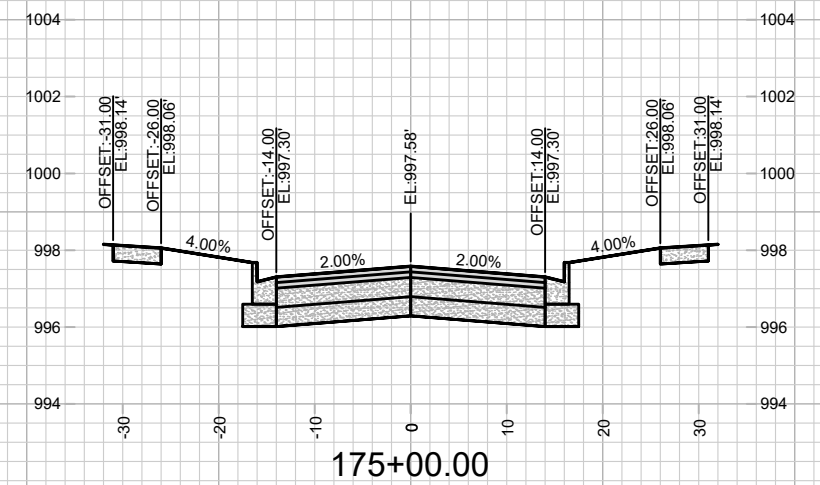
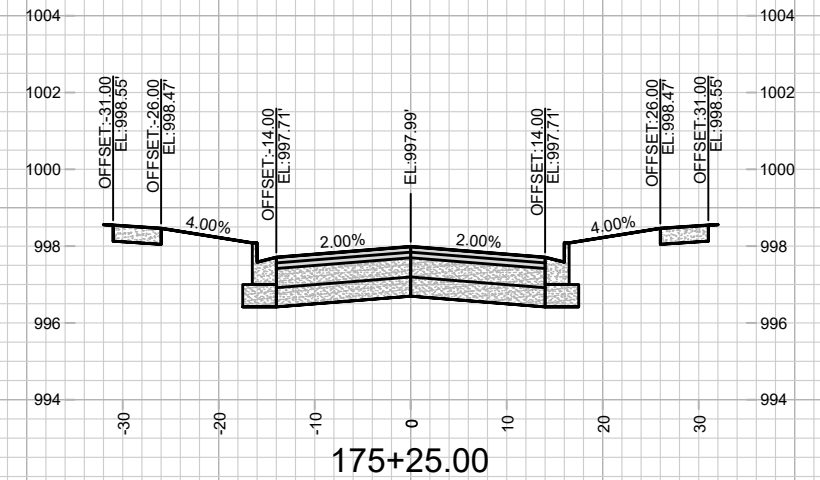
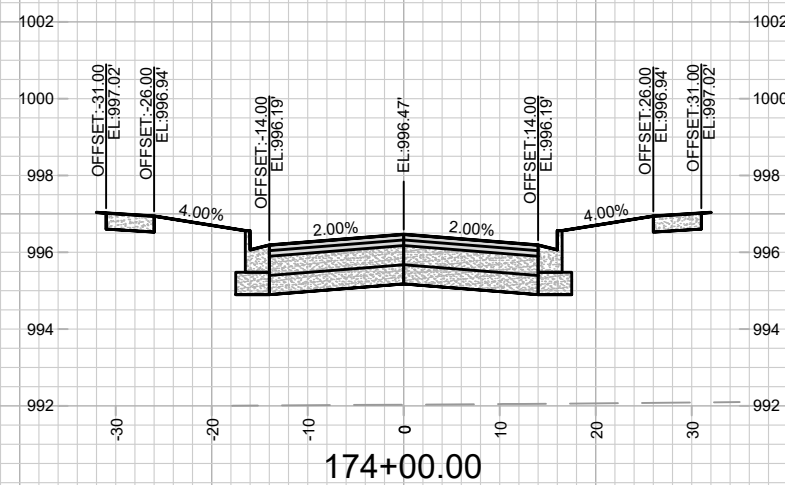
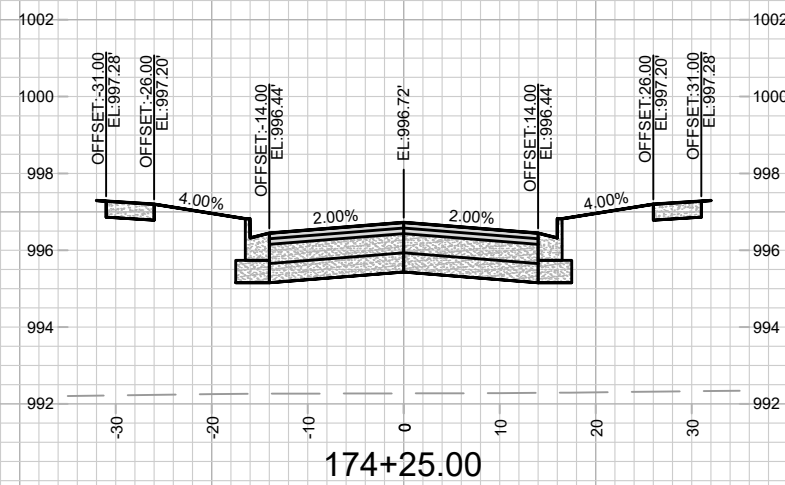
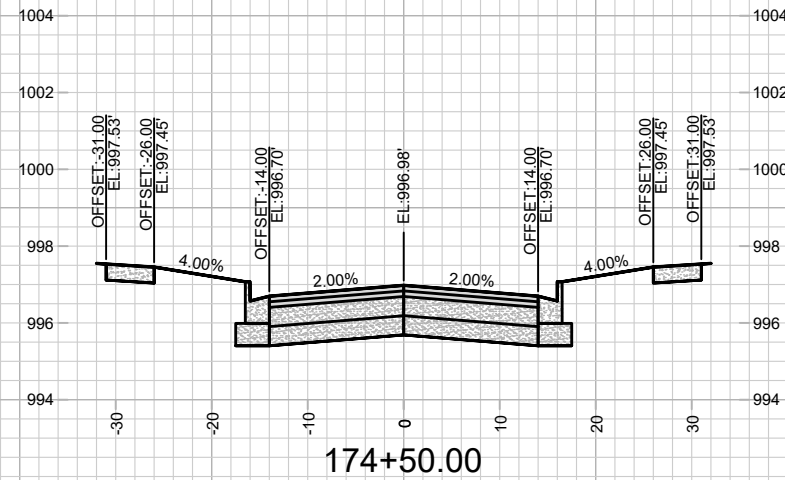
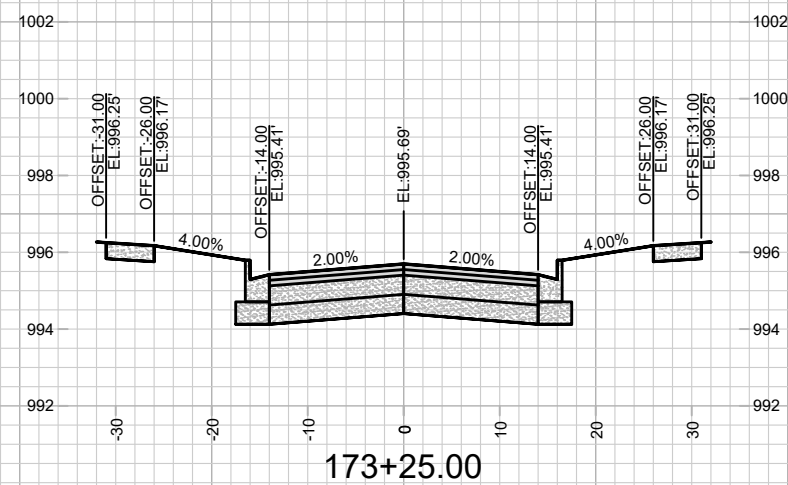
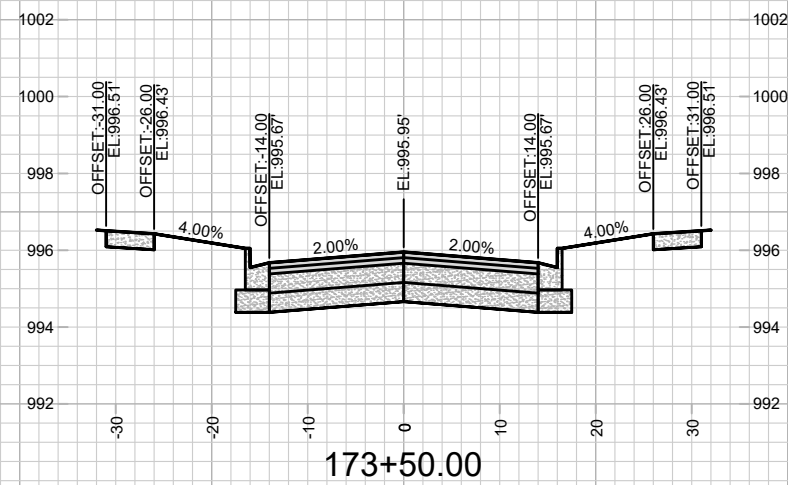
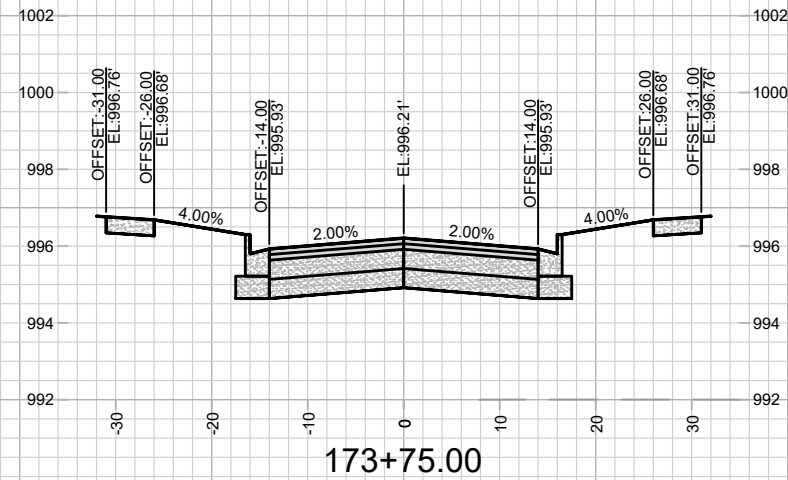




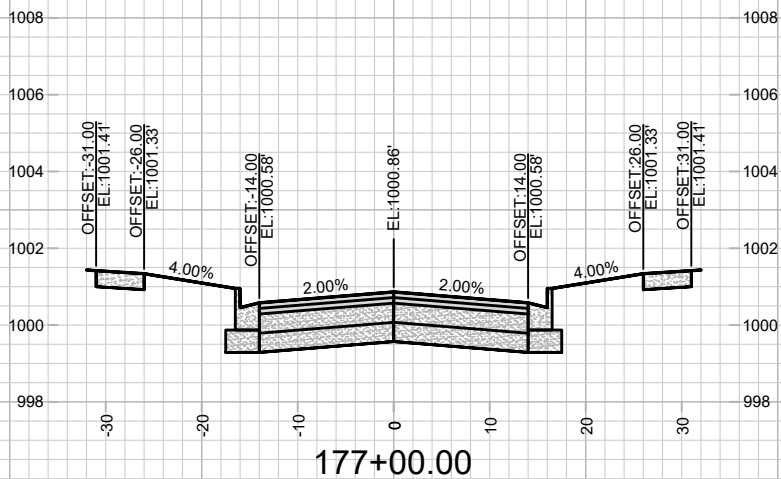
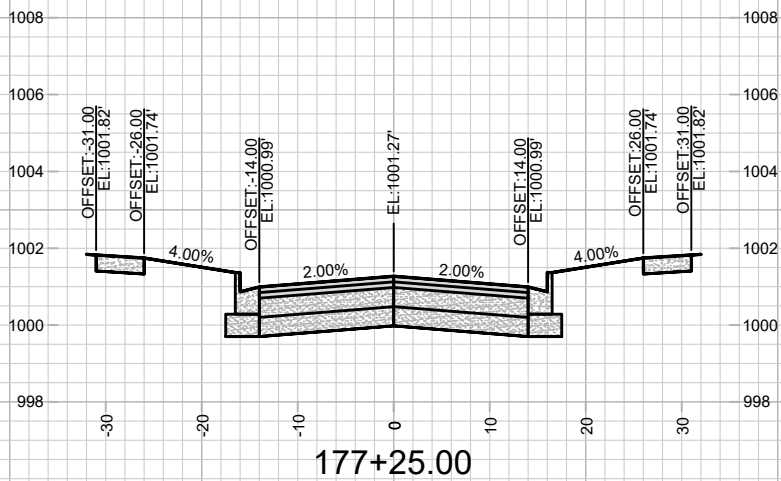
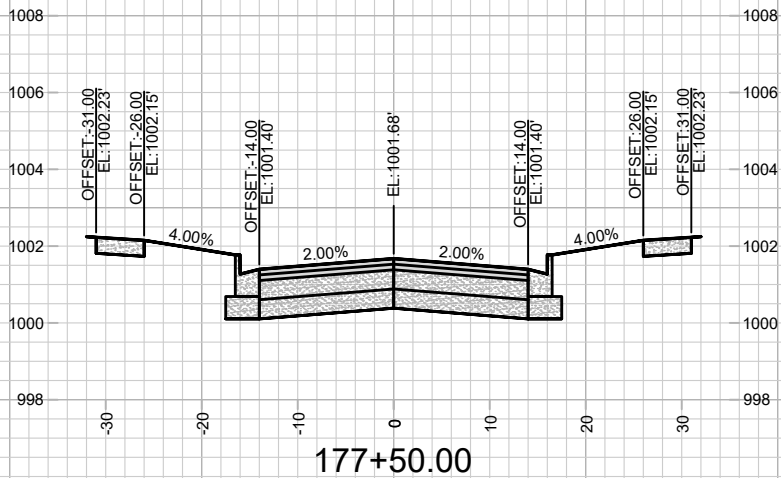
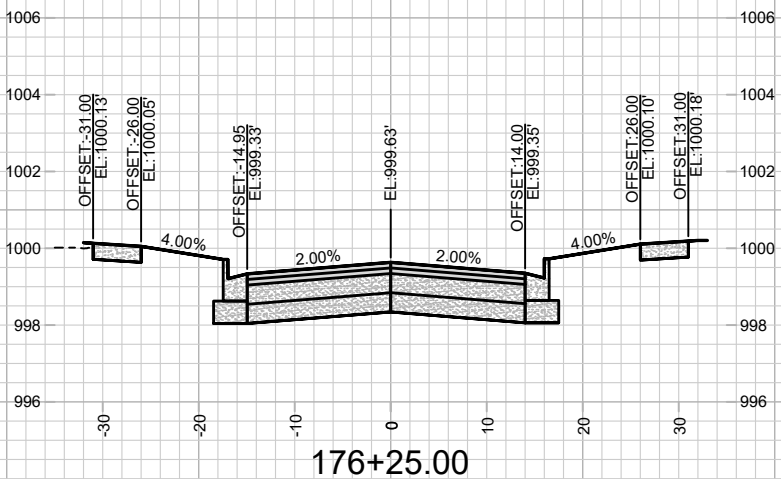
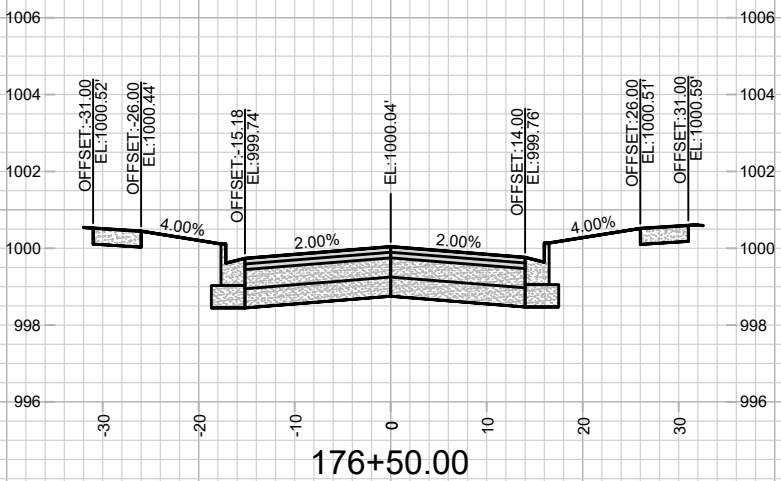
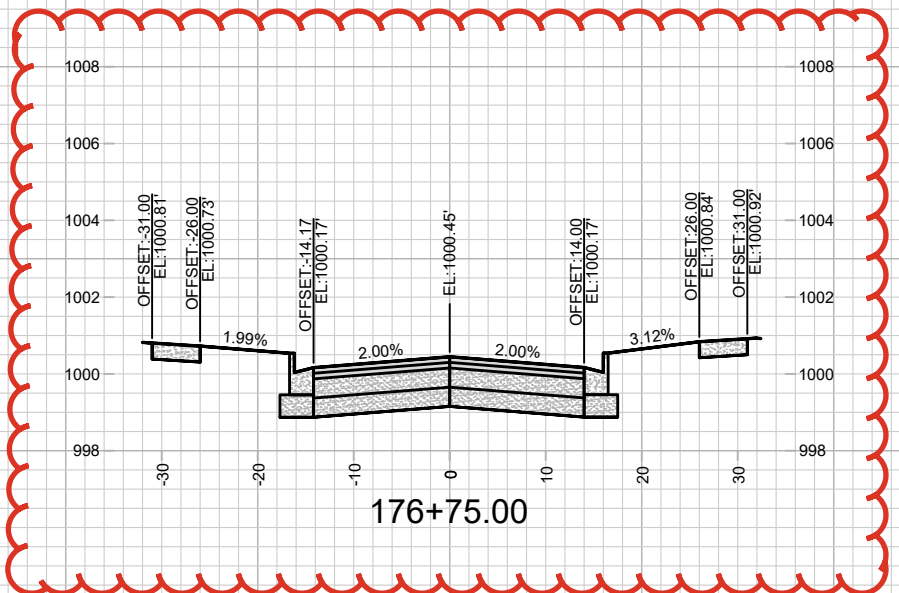
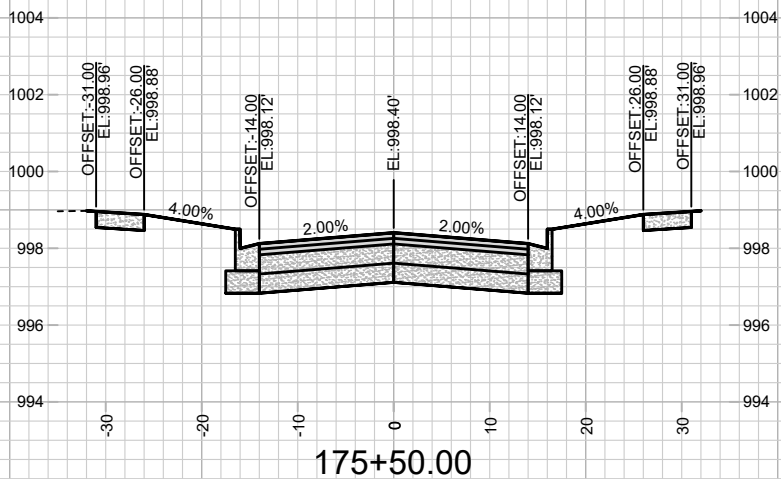
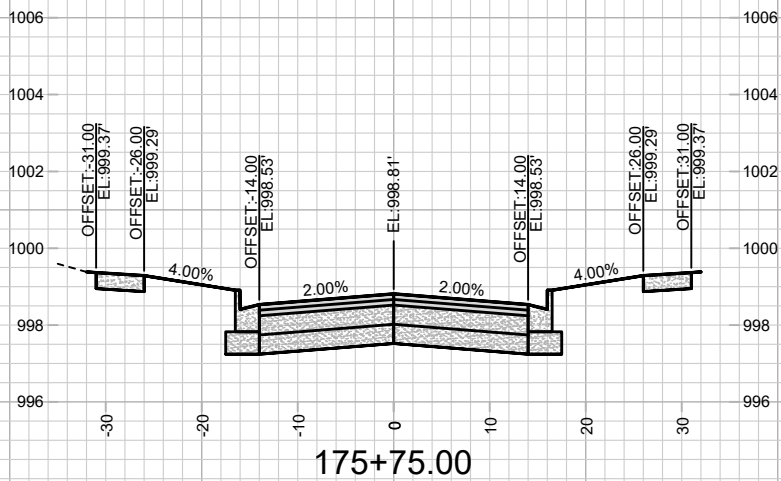
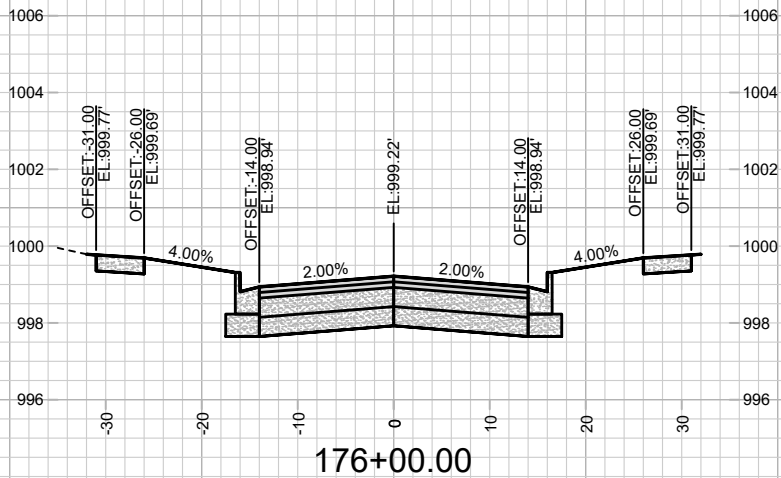








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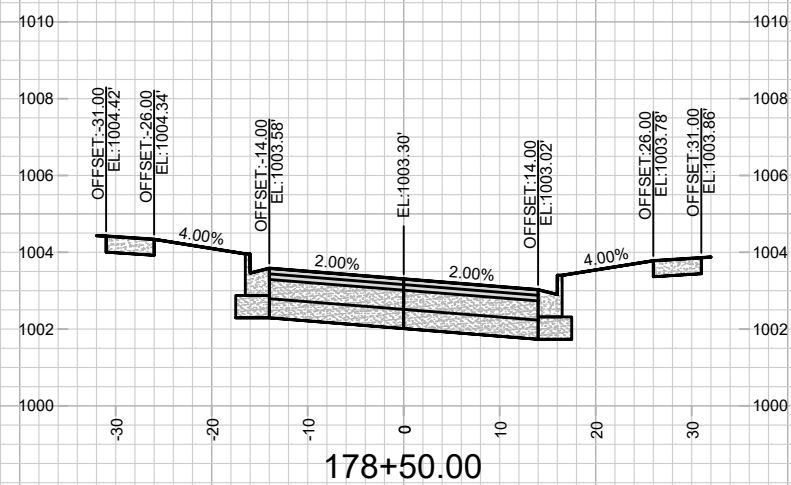
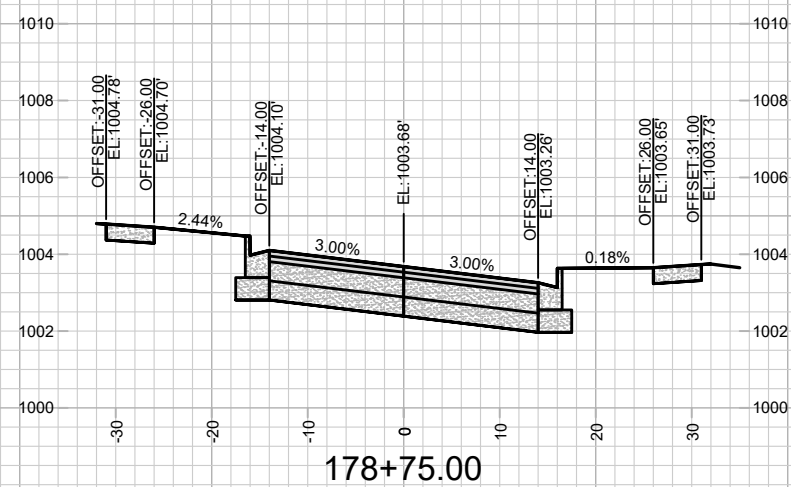
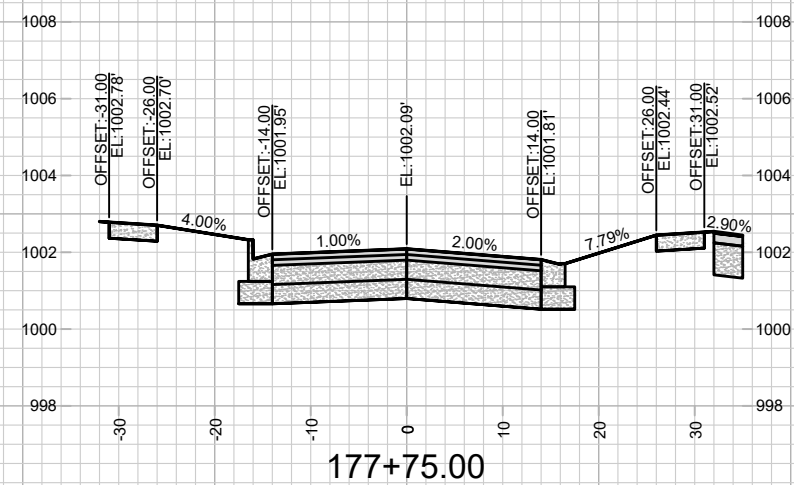
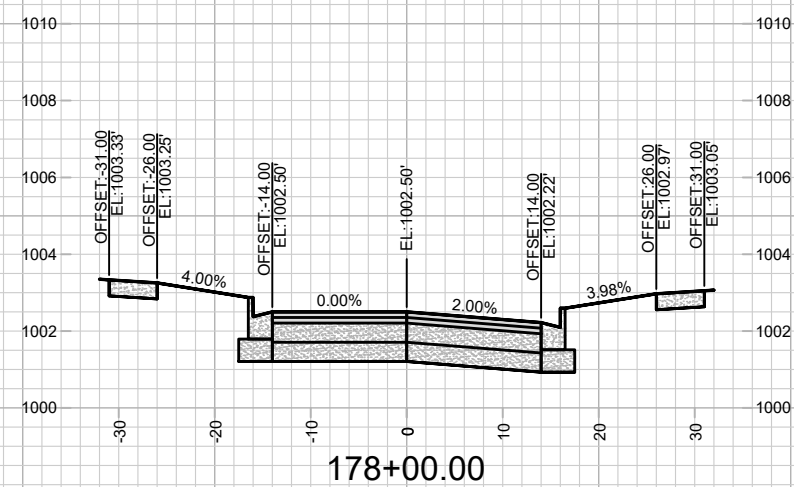
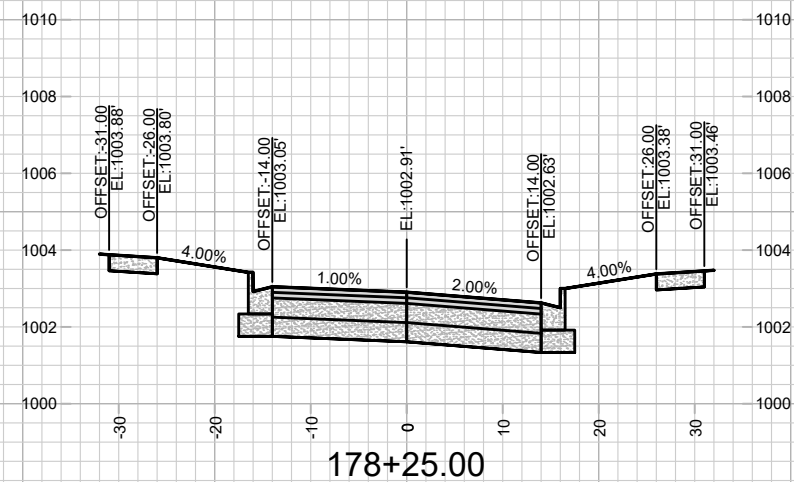


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CROSS SECTIONS - HERRING GULL LANE - TREE SWALLOW LANE
REILAND GROVE PHASE 1
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X-9
CONTRACT NO: 9720
MADISON, WI



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CROSS SECTIONS - HERRING GULL LANE - TREE SWALLOW LANE

16088

REILAND GROVE PHASE 1

MADISON, WI

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REVISION

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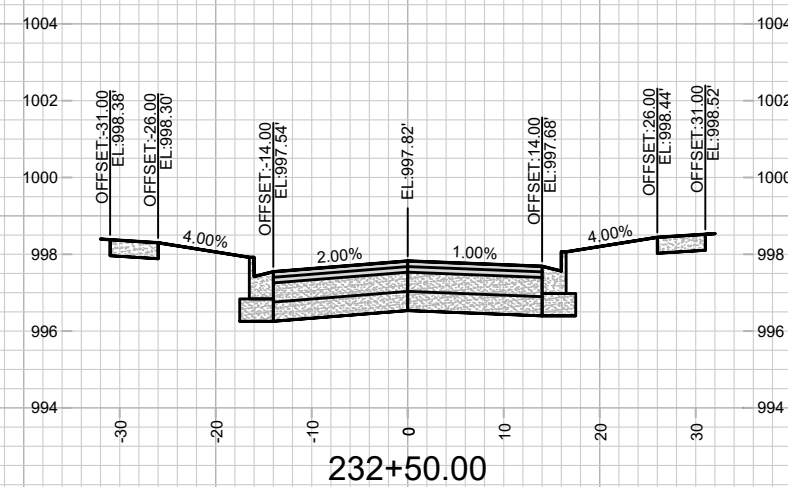
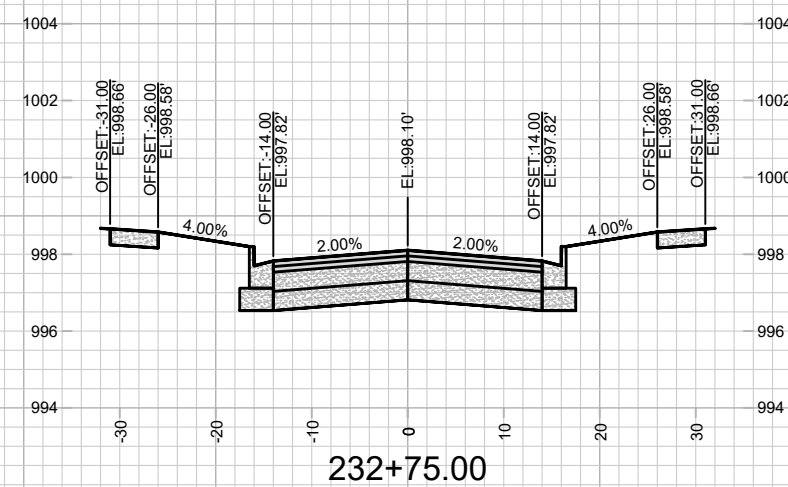
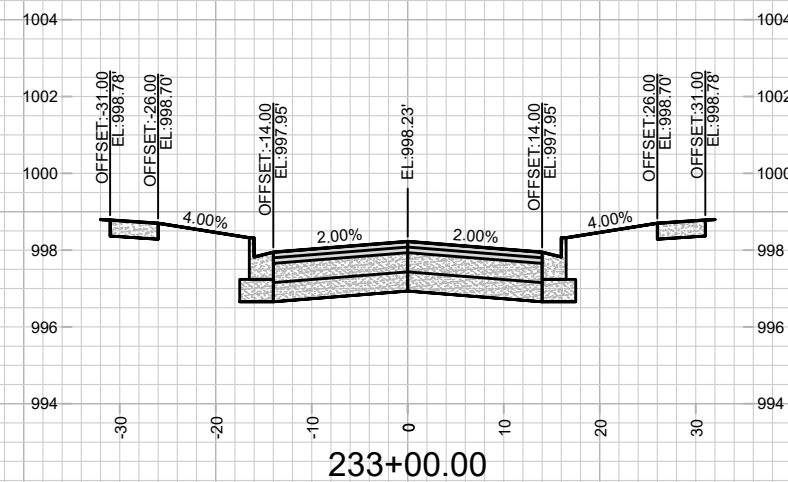
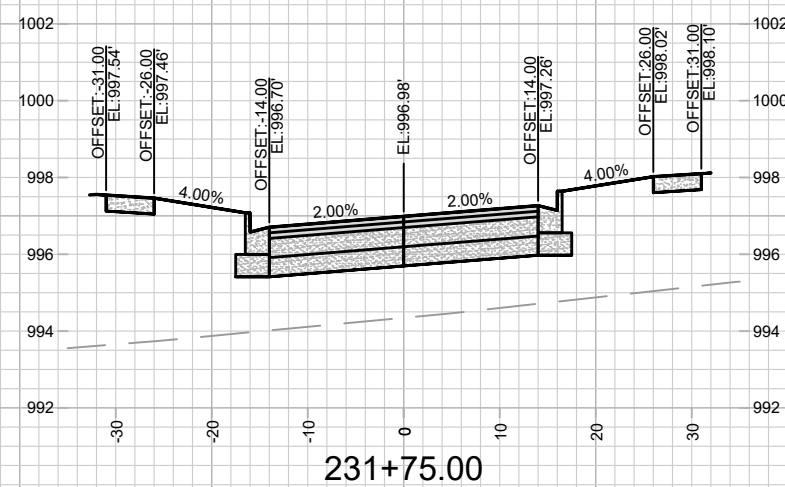
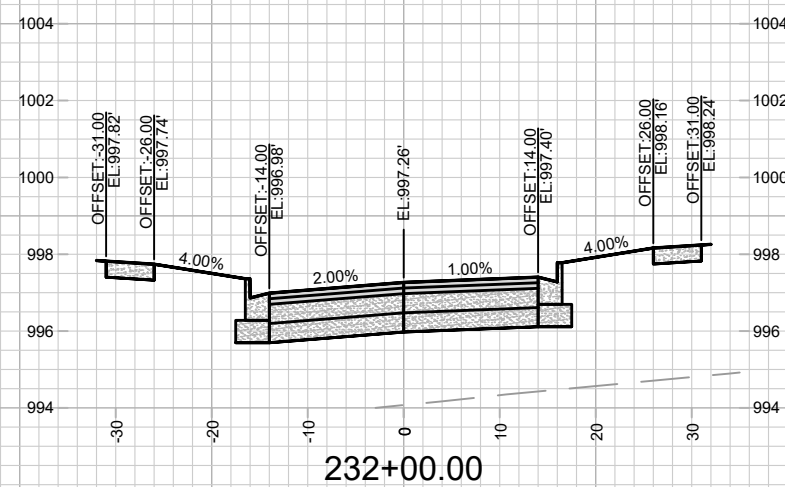
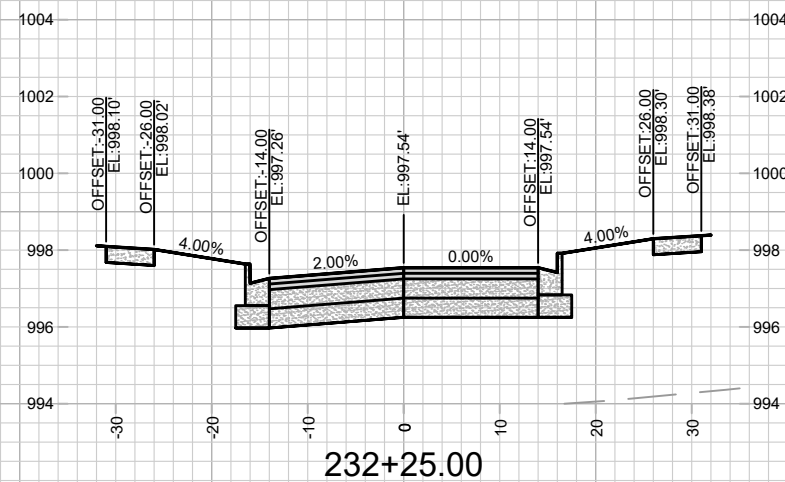
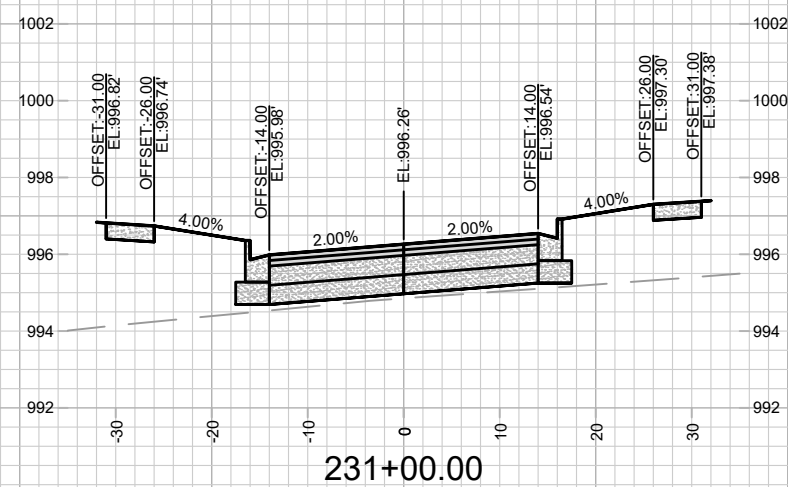
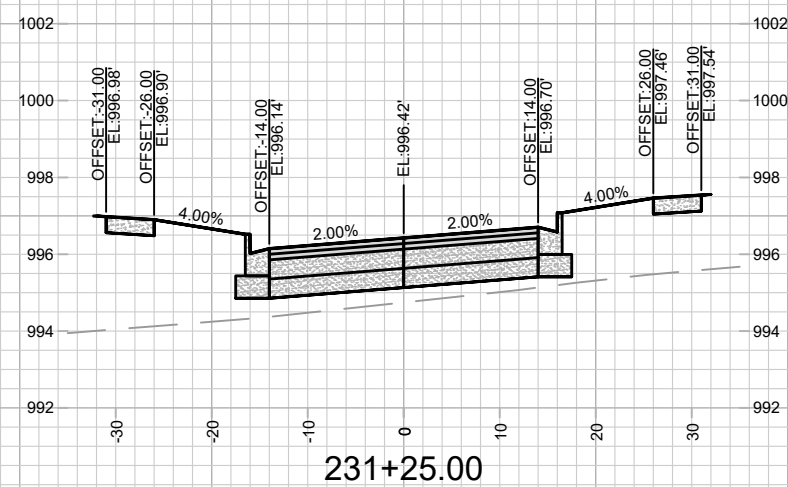
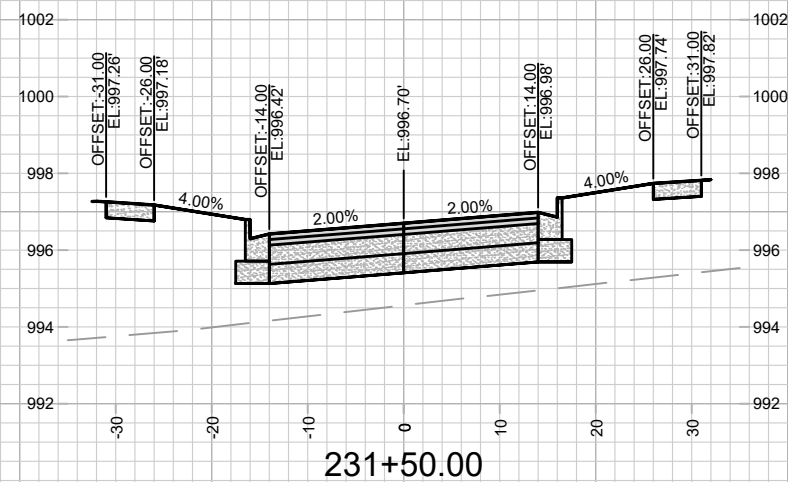
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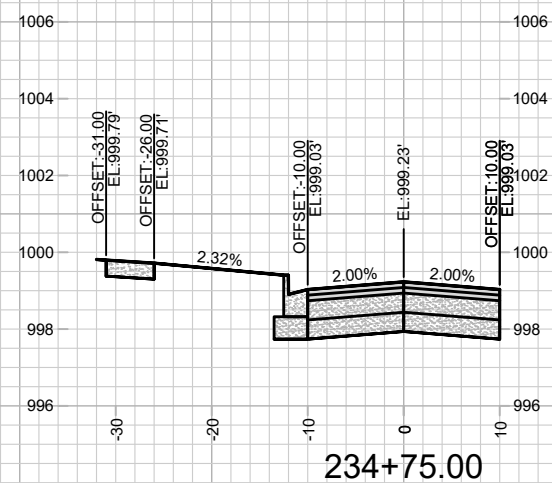
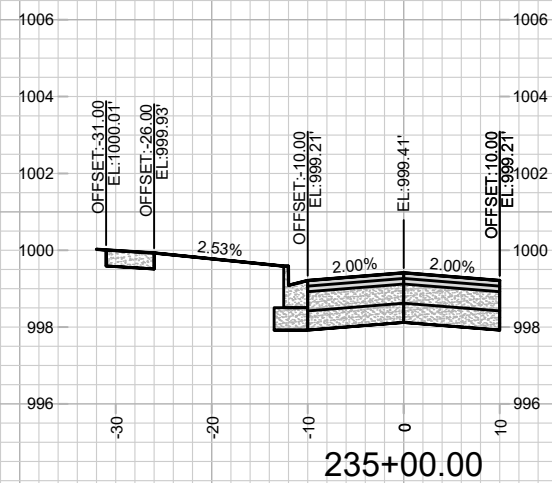
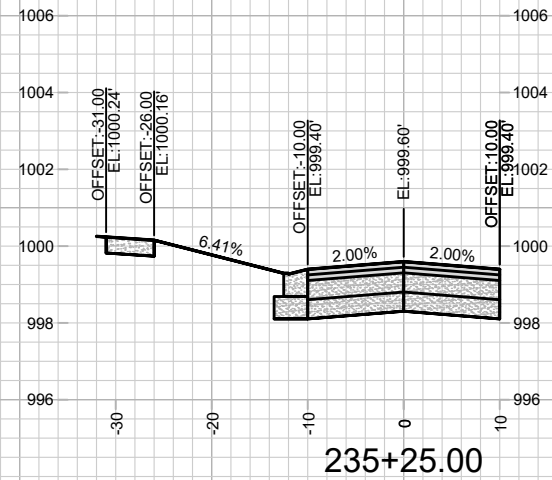
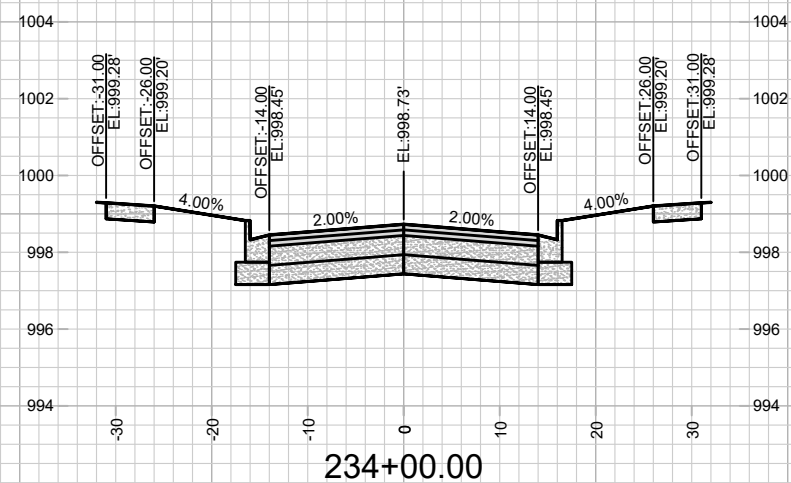
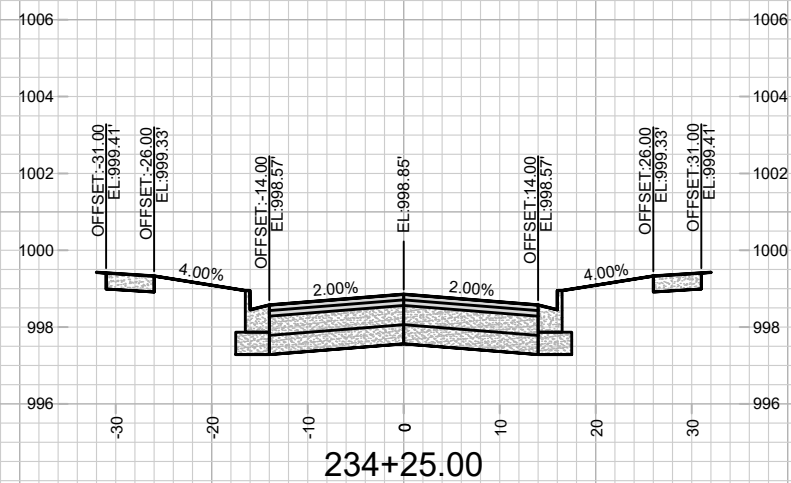
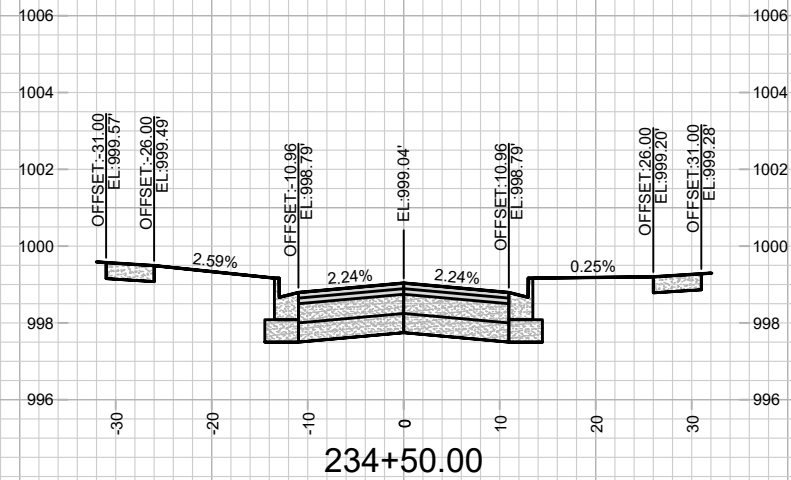
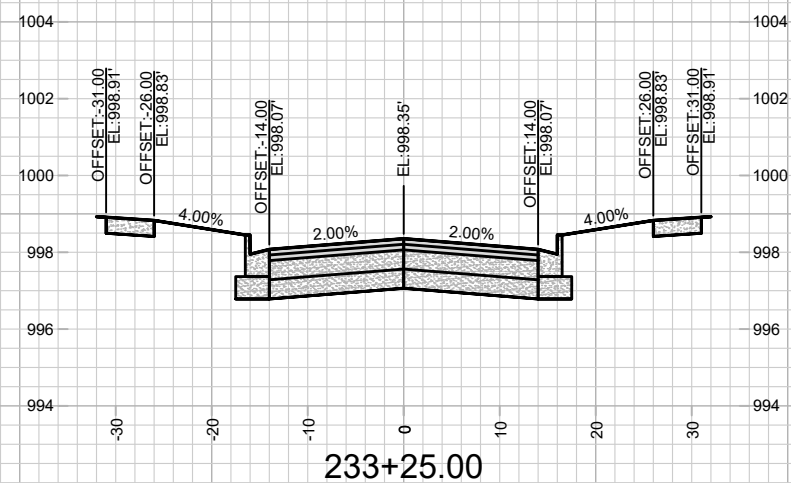
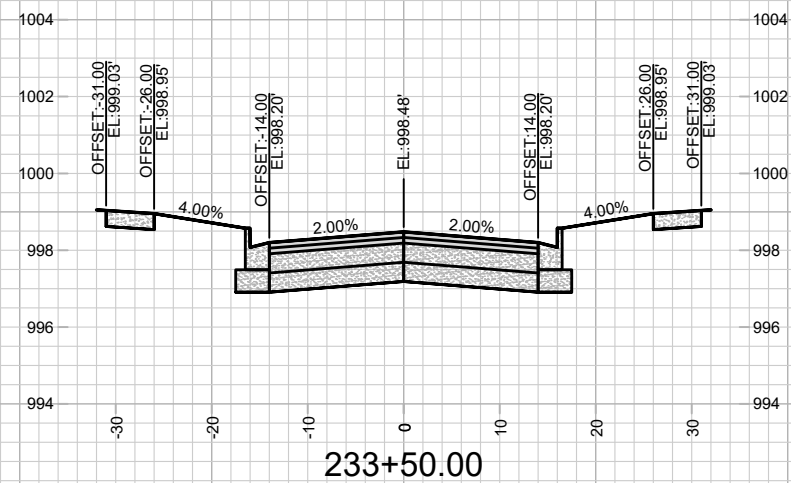
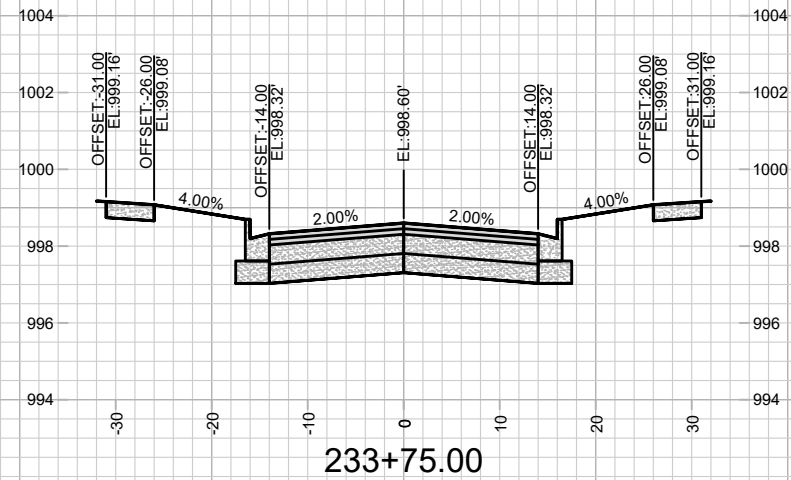
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CROSS SECTIONS - PRAIRIE FALCON DRIVE
REILAND GROVE PHASE 1

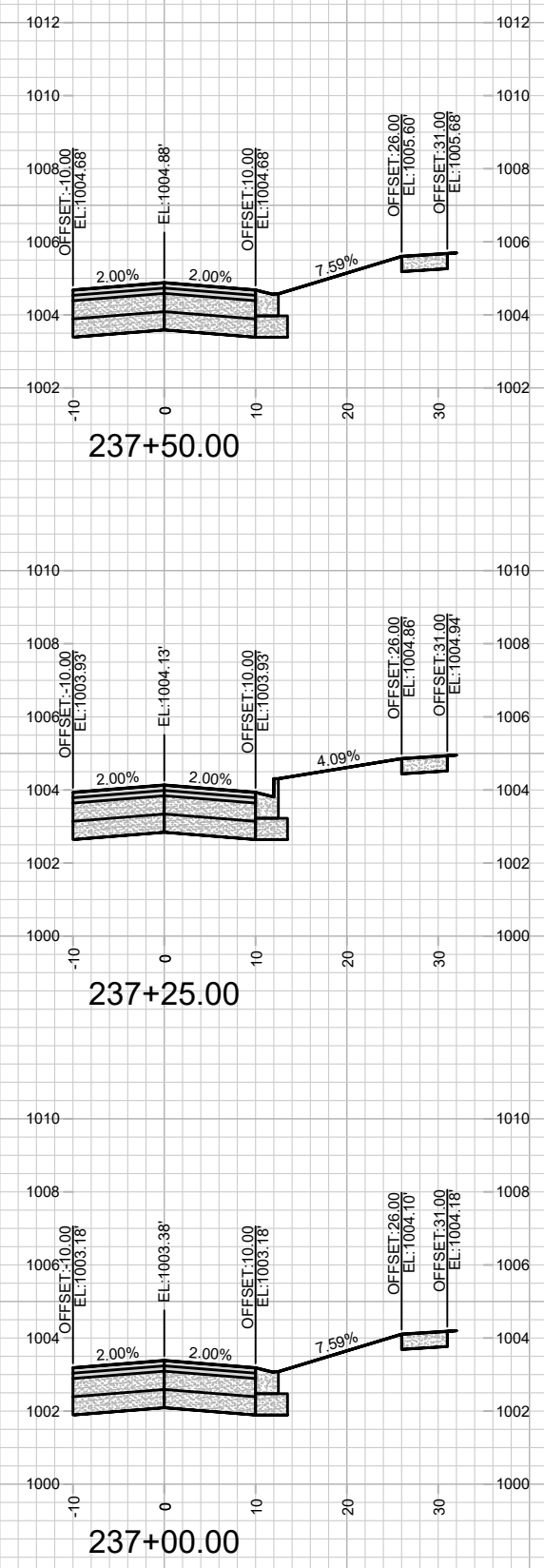
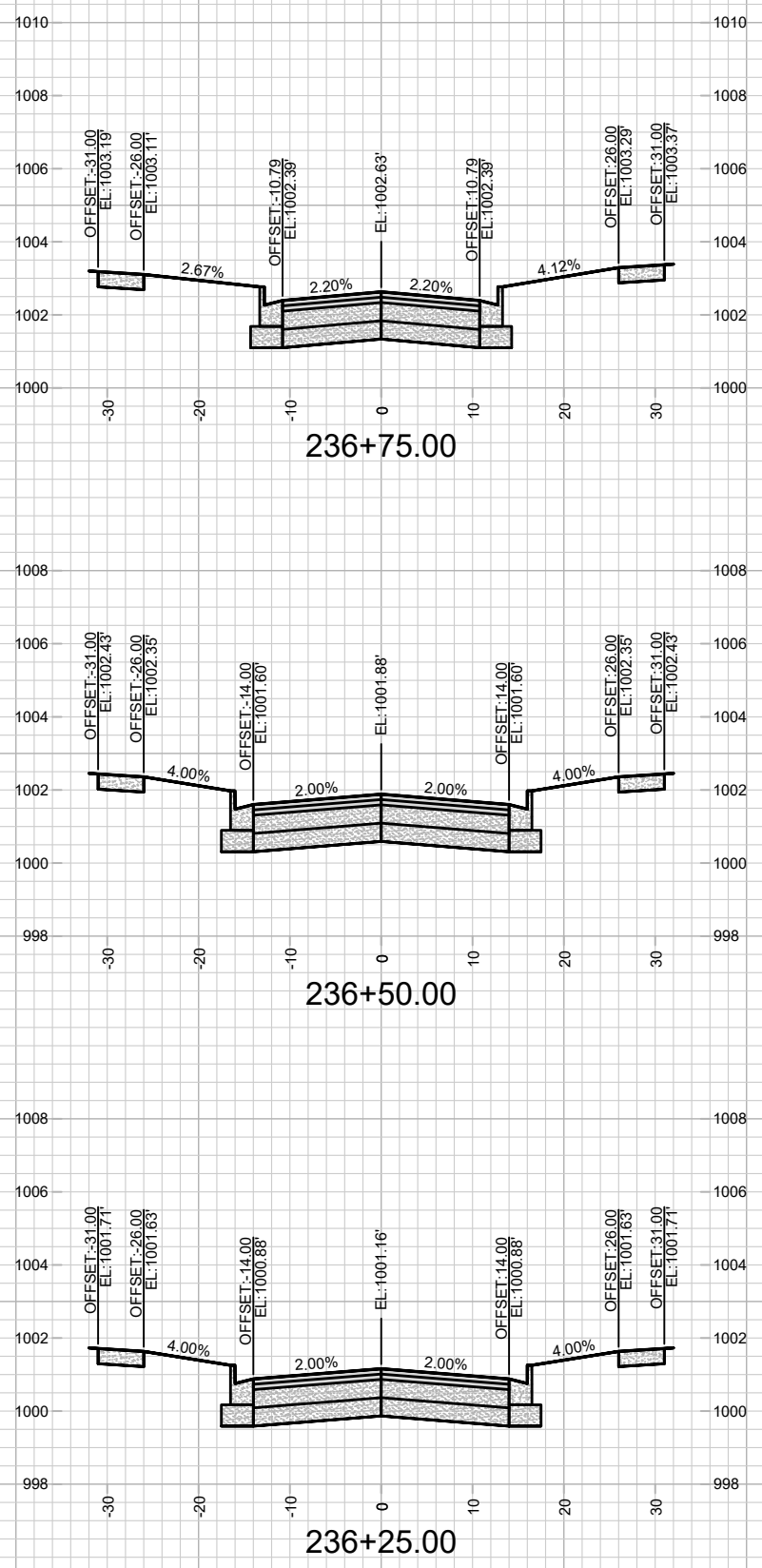
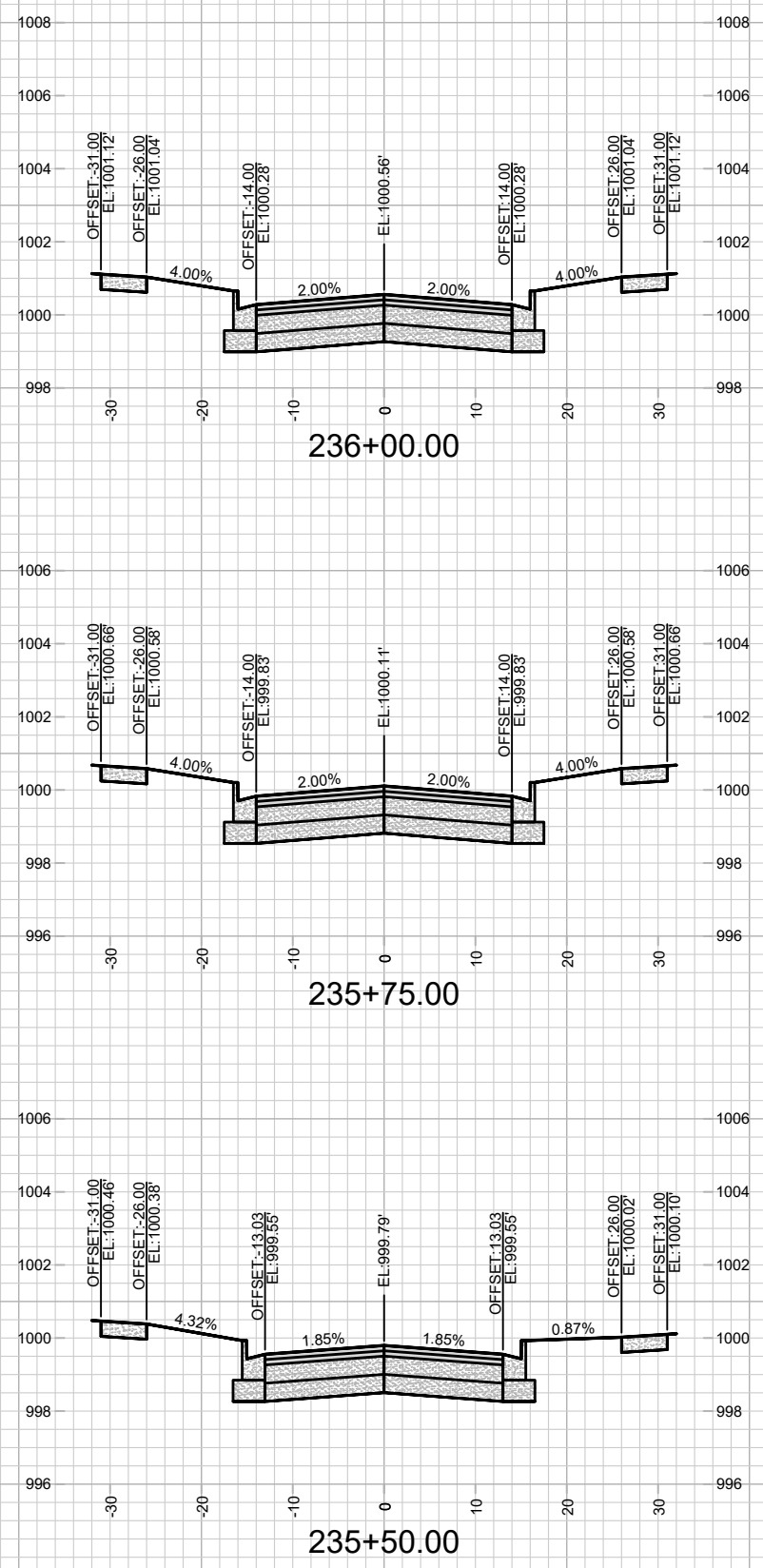
16088
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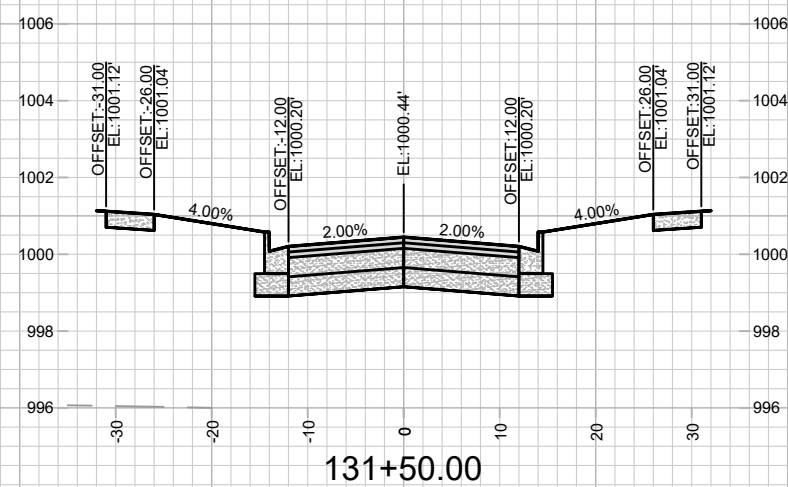
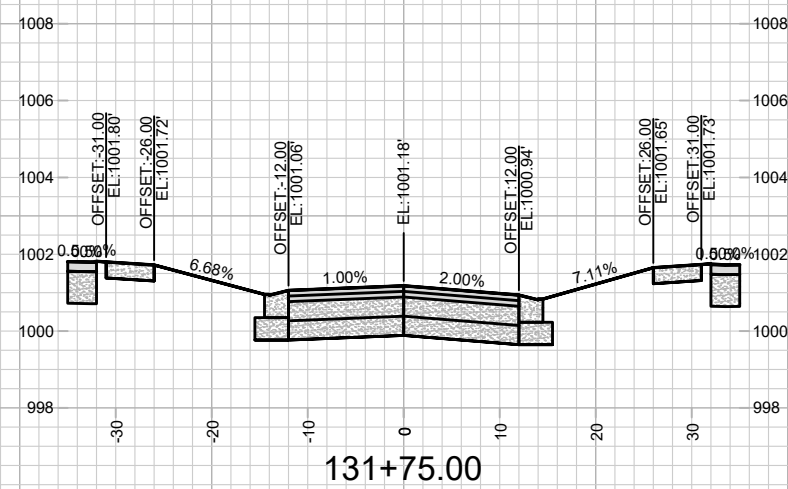
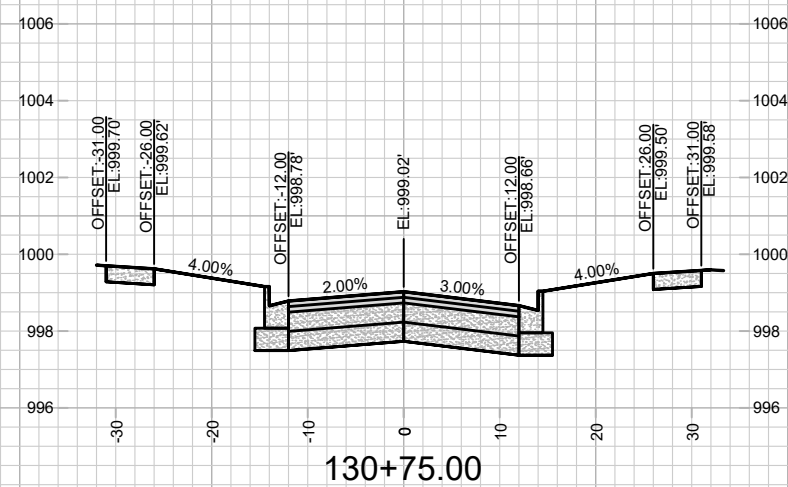
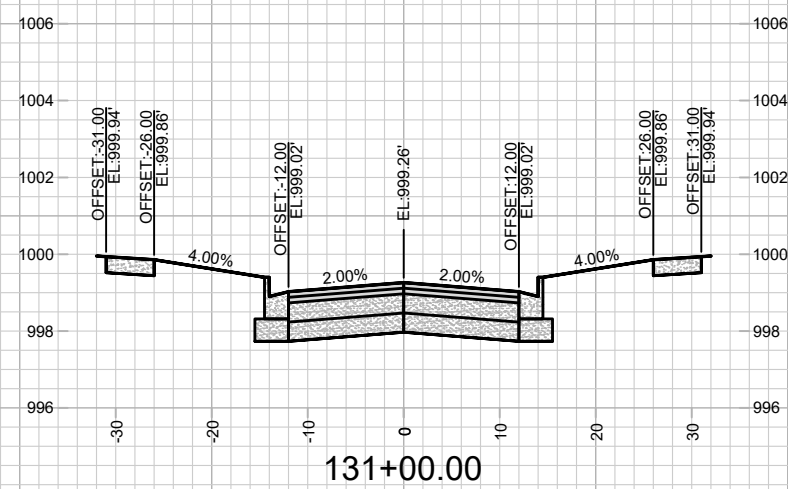
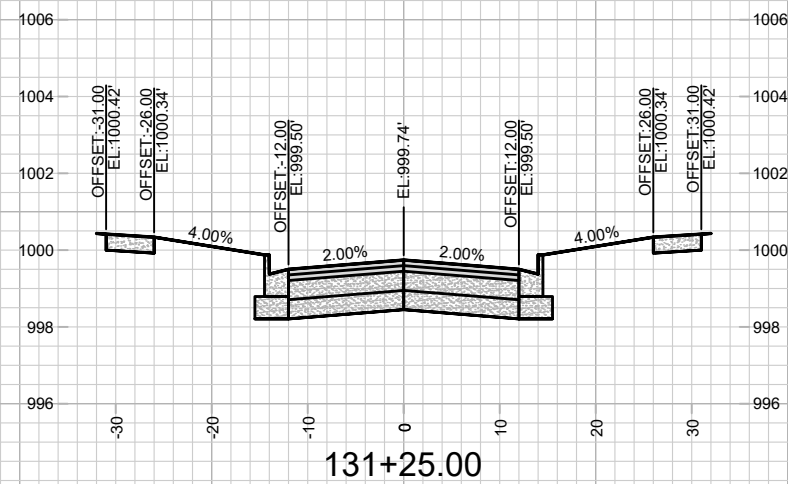
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CROSS SECTIONS - EASTERN PHOEBE STREET

REILAND GROVE PHASE 1

16088

MADISON, WI

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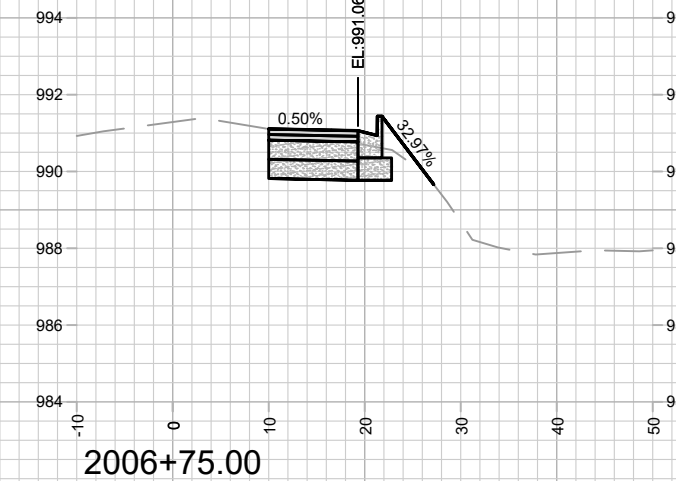
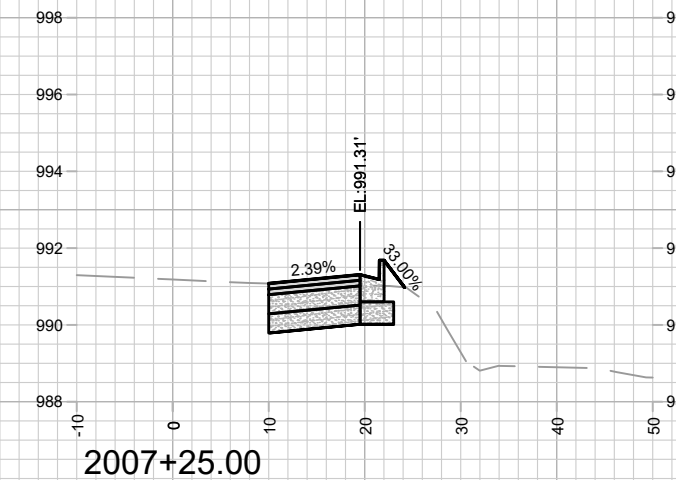
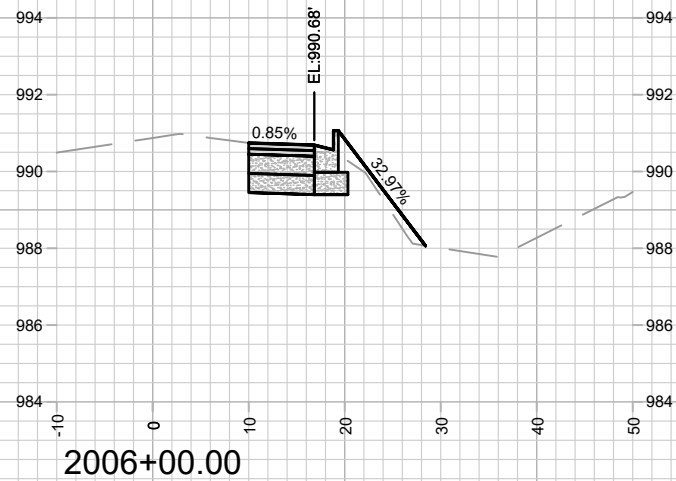
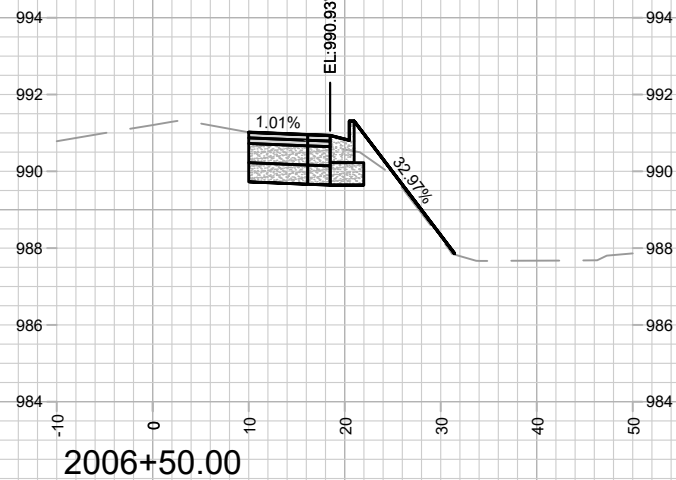
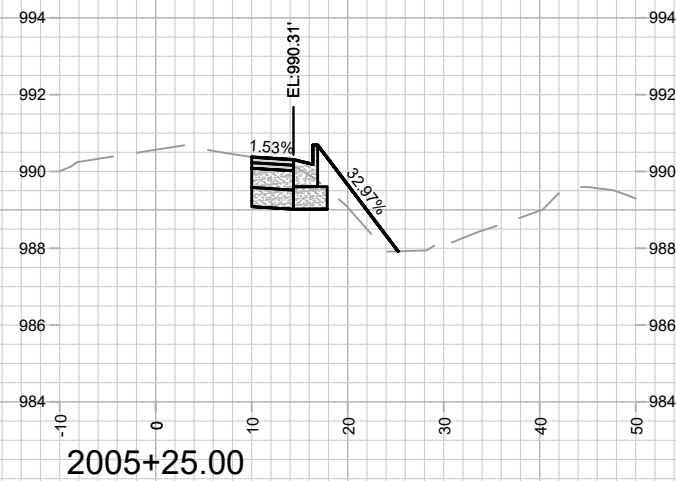
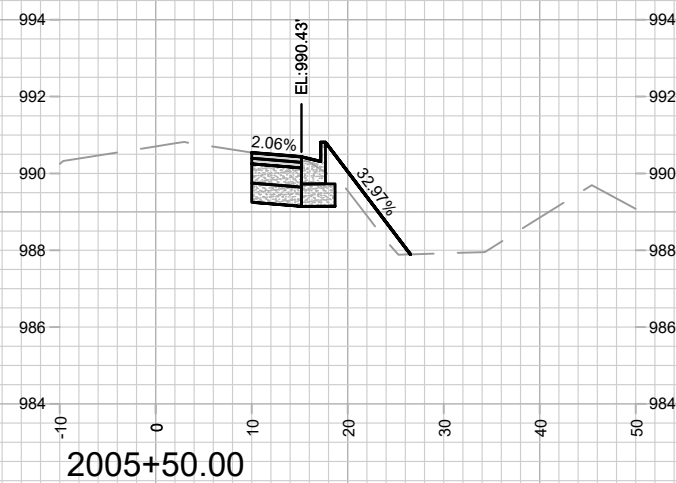
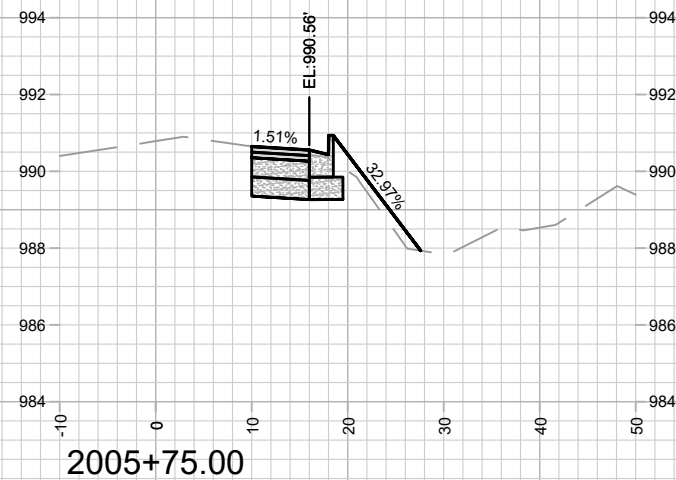
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Designed By	16088

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Designed By: N.J.	Date: 7/22/2026

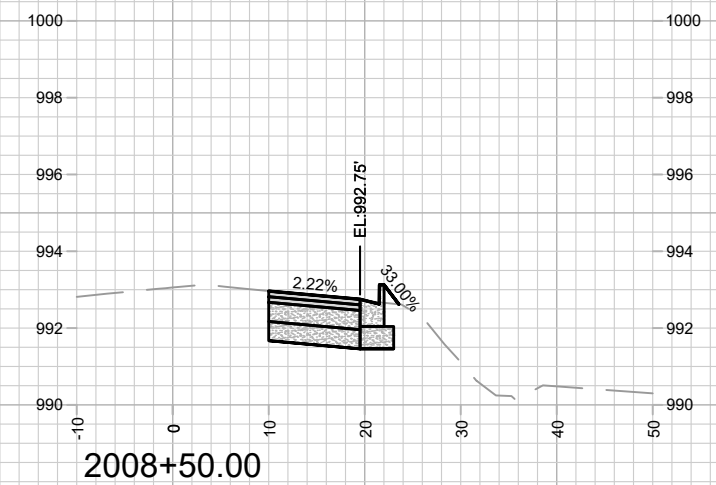
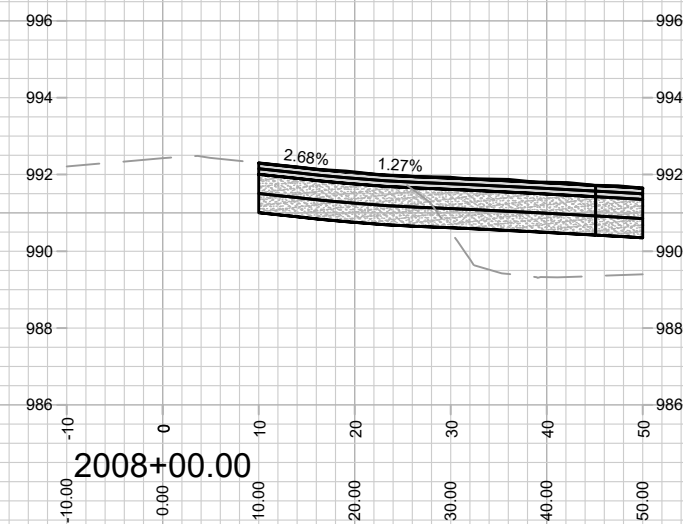
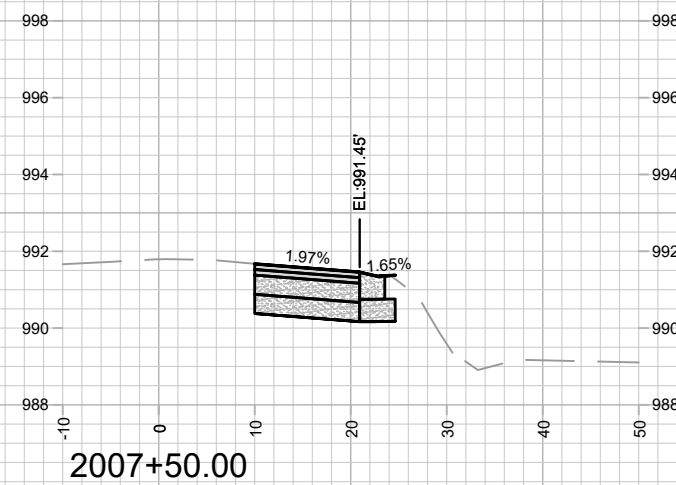
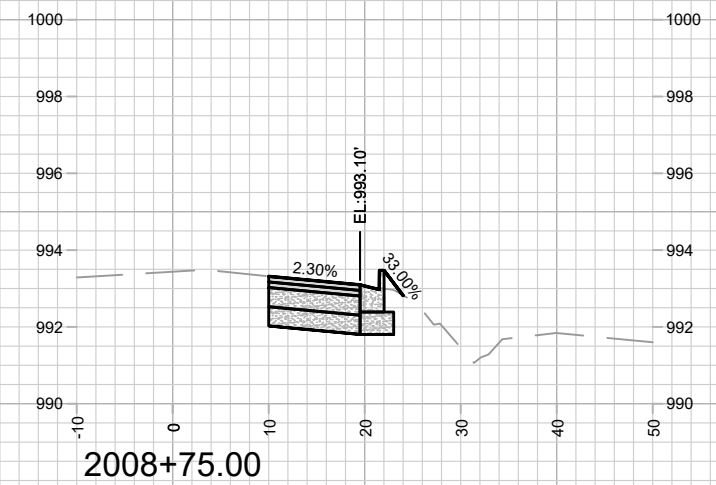
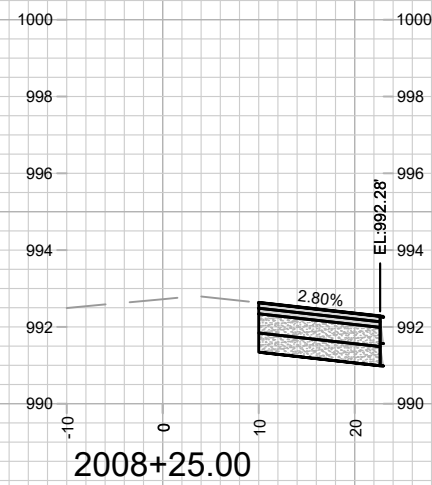
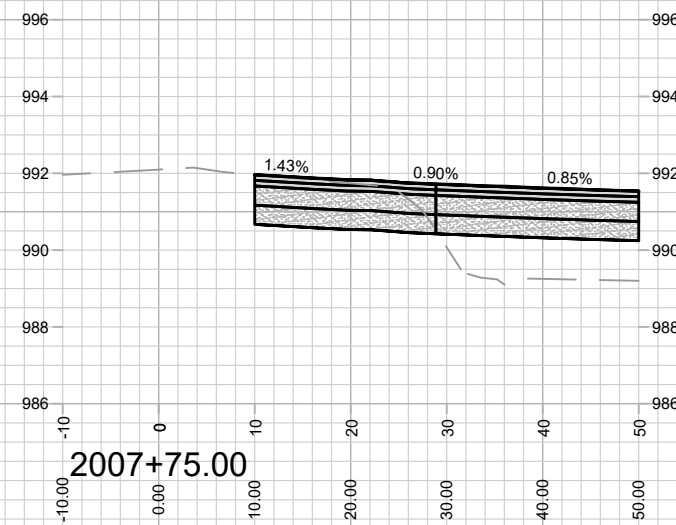
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Designed By: N.J.	Date: 7/22/2026

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Designed By: N.J.	Date: 7/22/2026

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Designed By: N.J.	Date: 7/22/2026



	16088		X-15	
	CROSS SECTIONS - FELLAND ROAD			
	REILAND GROVE PHASE 1			
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MADISON, WI				
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Designed By: N.L.J.		Date: 7/22/2026 1:27 PM		Scale: 1" = 20'
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MADISON, WI

CROSS SECTIONS - FELLAND ROAD

REILAND GROVE PHASE 1

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CONTRACT NO:

Designed By: NLJ	Date: 7/22/2026
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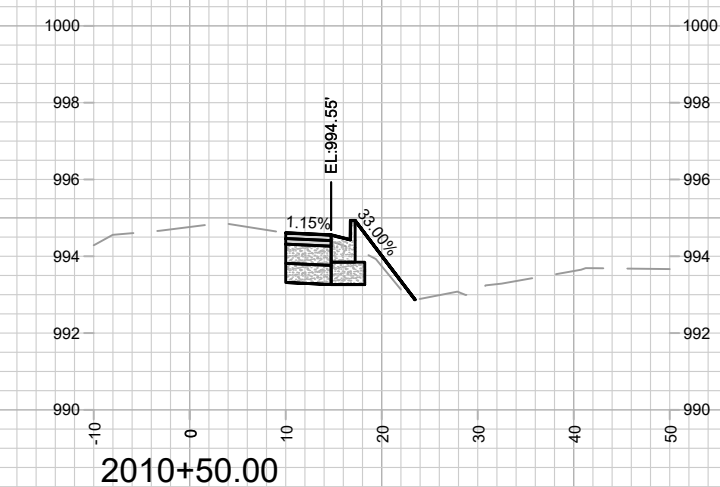
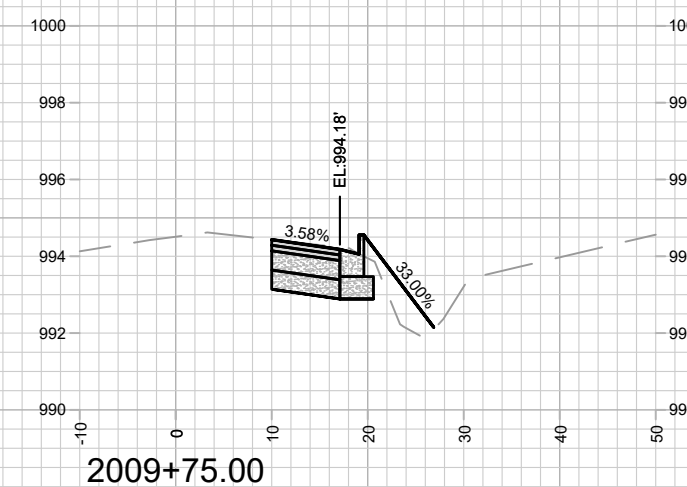
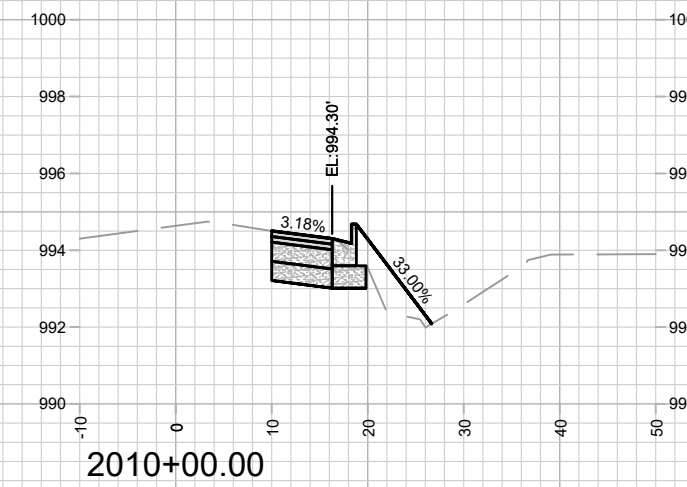
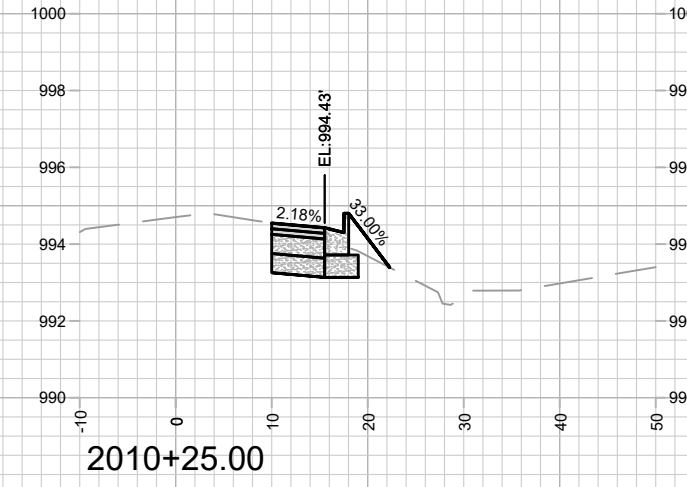
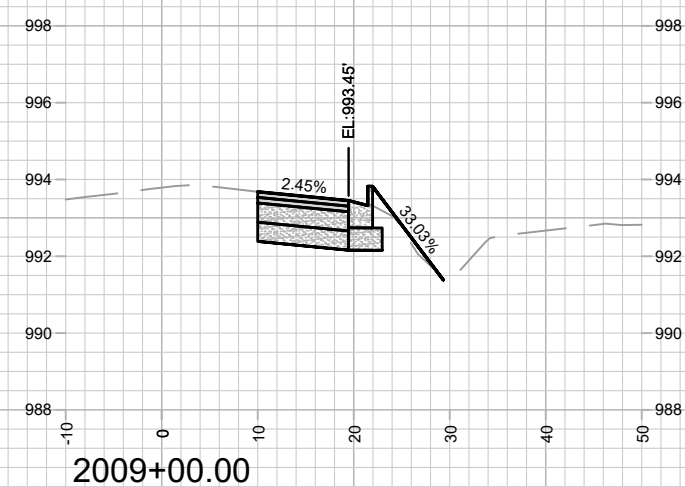
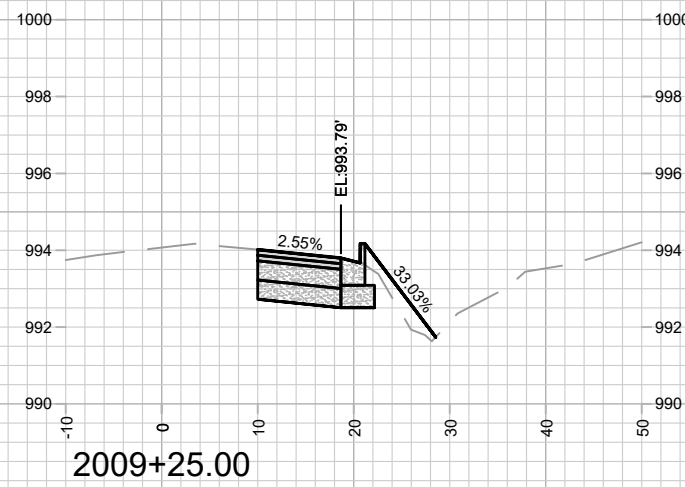
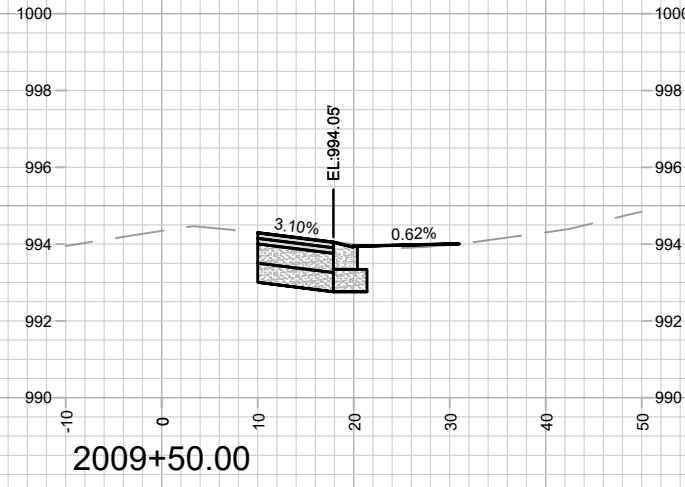
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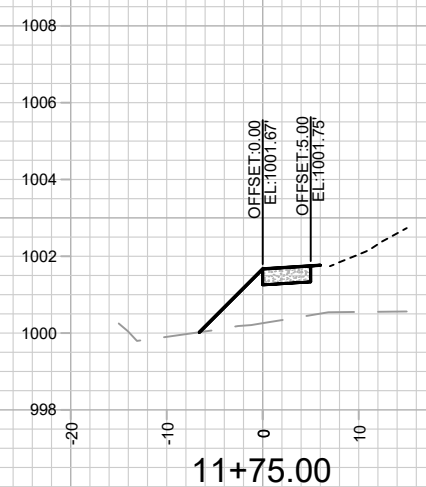
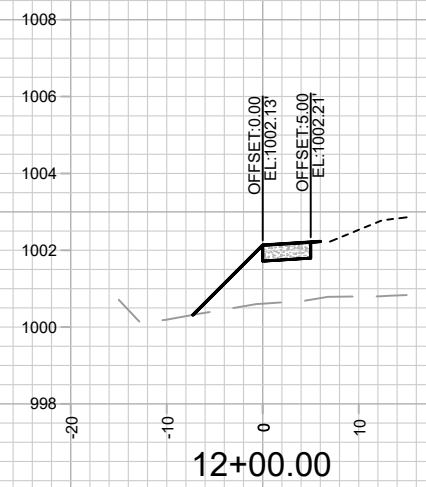
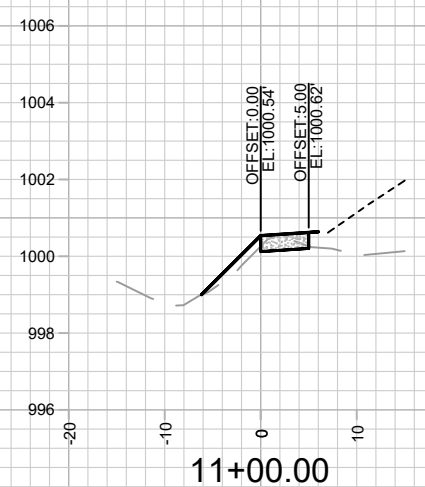
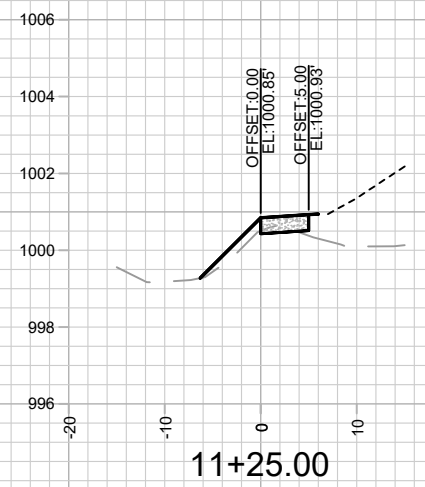
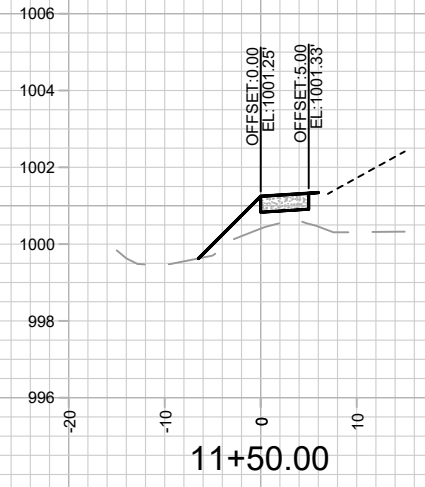
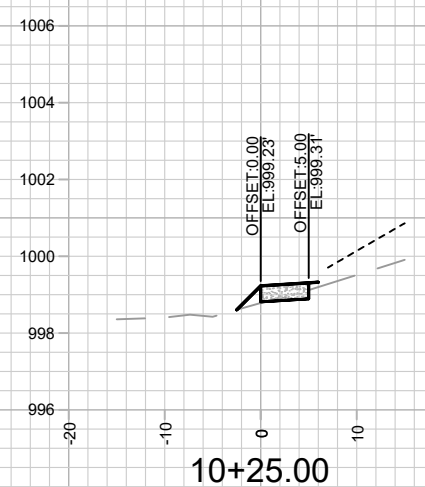
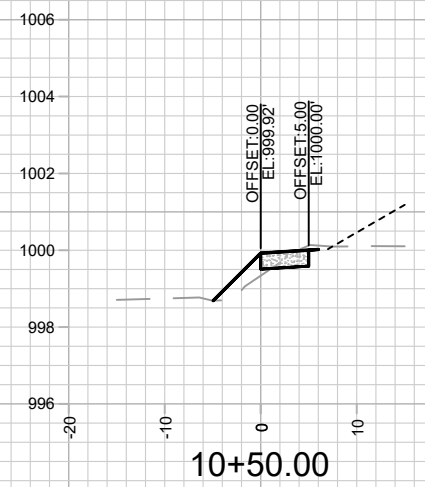
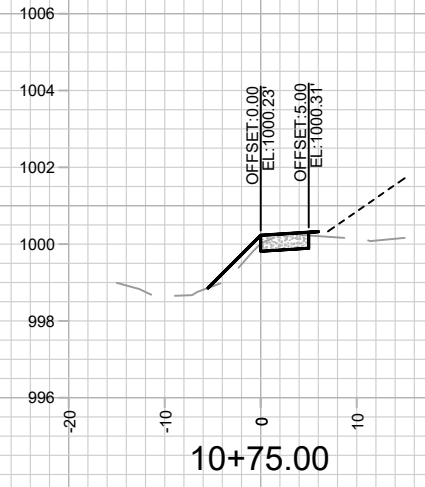
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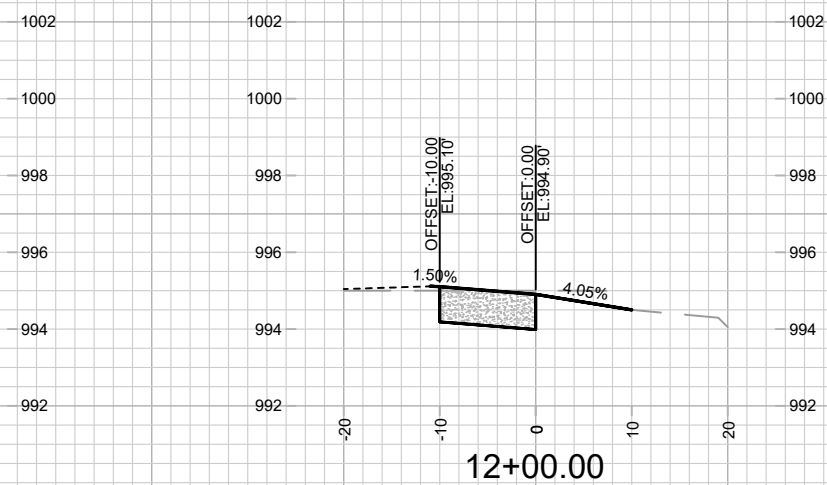
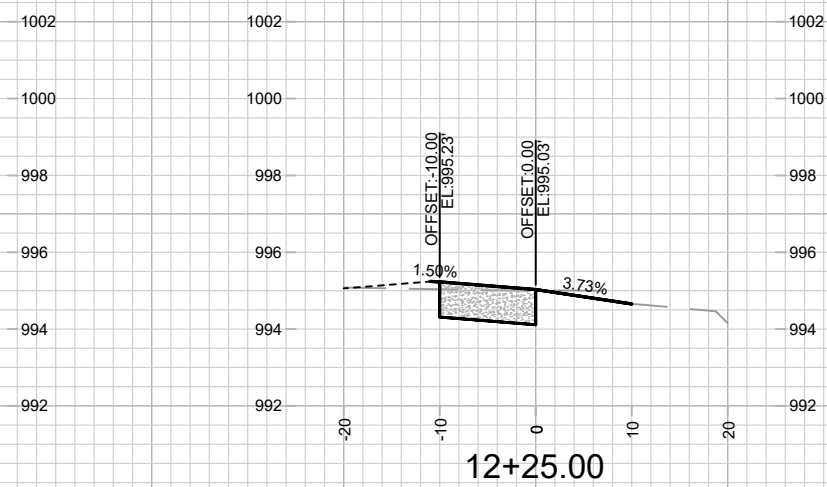
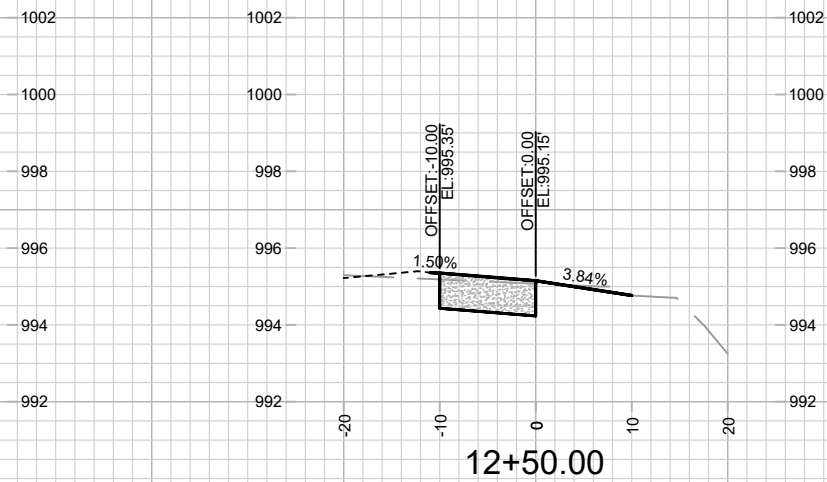
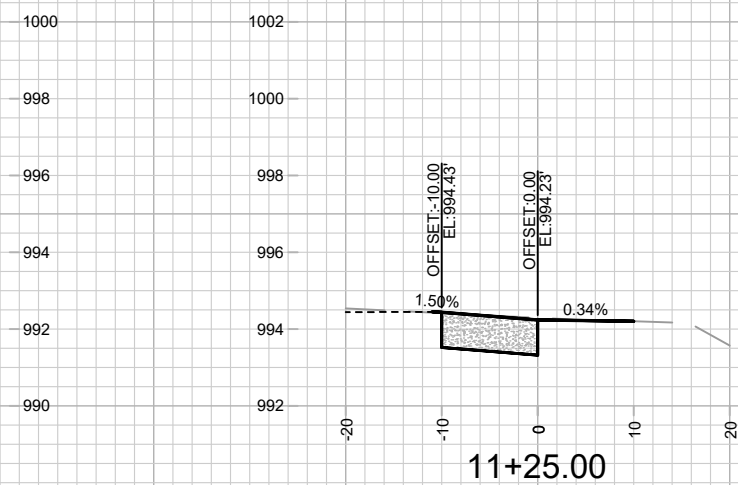
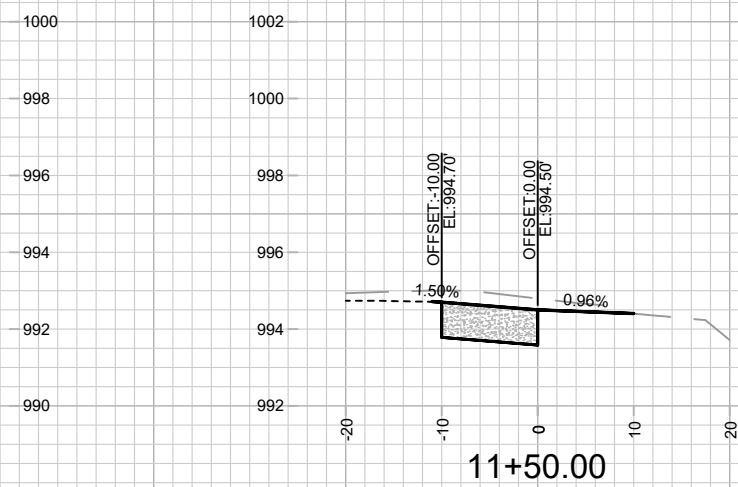
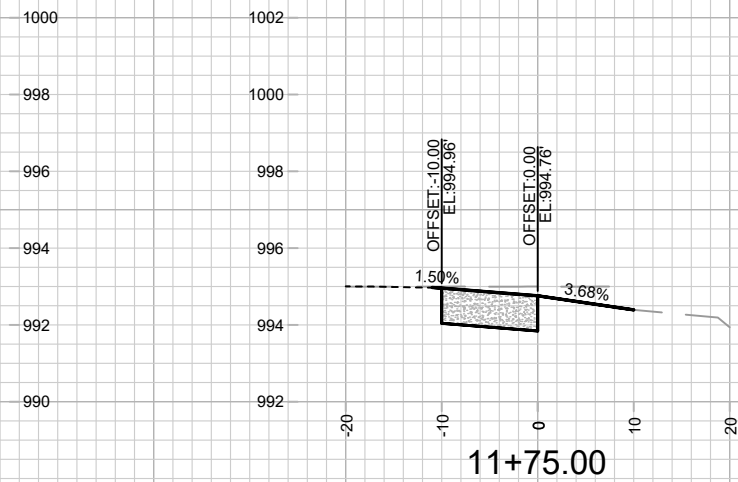
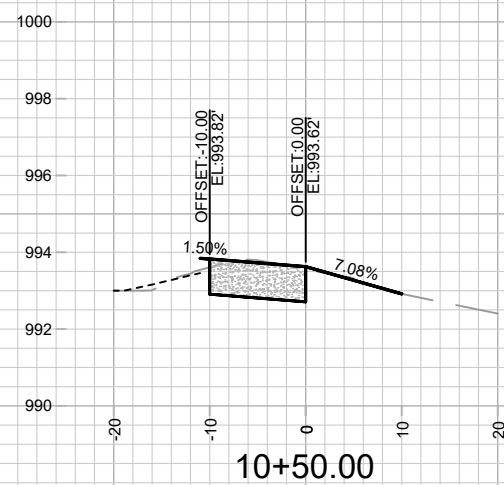
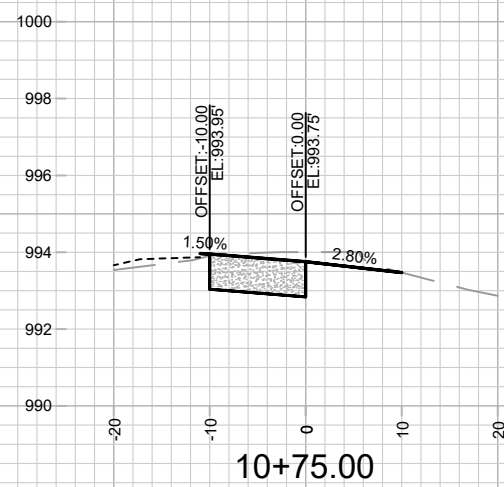
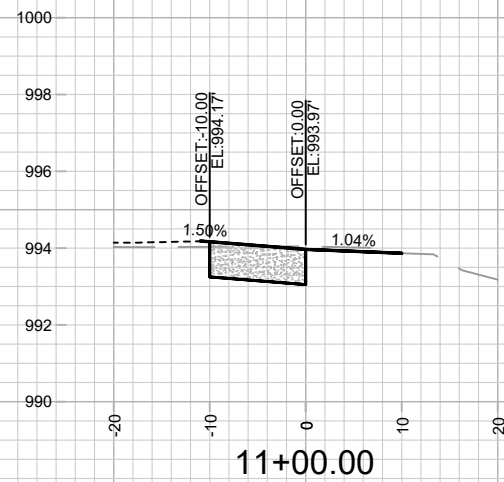
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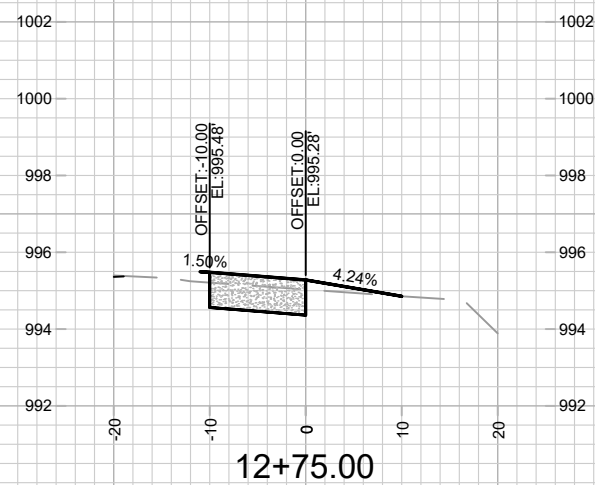


CROSS SECTIONS - FELLAND ROAD		16088									
REILAND GROVE PHASE 1		MADISON, WI									
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MARK	REVISION	DATE	BY								
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CROSS SECTIONS - O.L. 7 SIDEWALK		16088
REILAND GROVE PHASE 1		MADISON, WI
M:\DESIGN\Projects\16088\CAD\Streets\16088EN-Xsections.dwg		CONTRACT NO: 9720
City of Madison Wisconsin		16088
X-18		X-18
MARK	REVISION	DATE
Designed By: NLI	Date: 7/22/2026 1:28 PM	BY
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CROSS SECTIONS - O.L. 4 MULTI-USE PATH

REILAND GROVE PHASE 1

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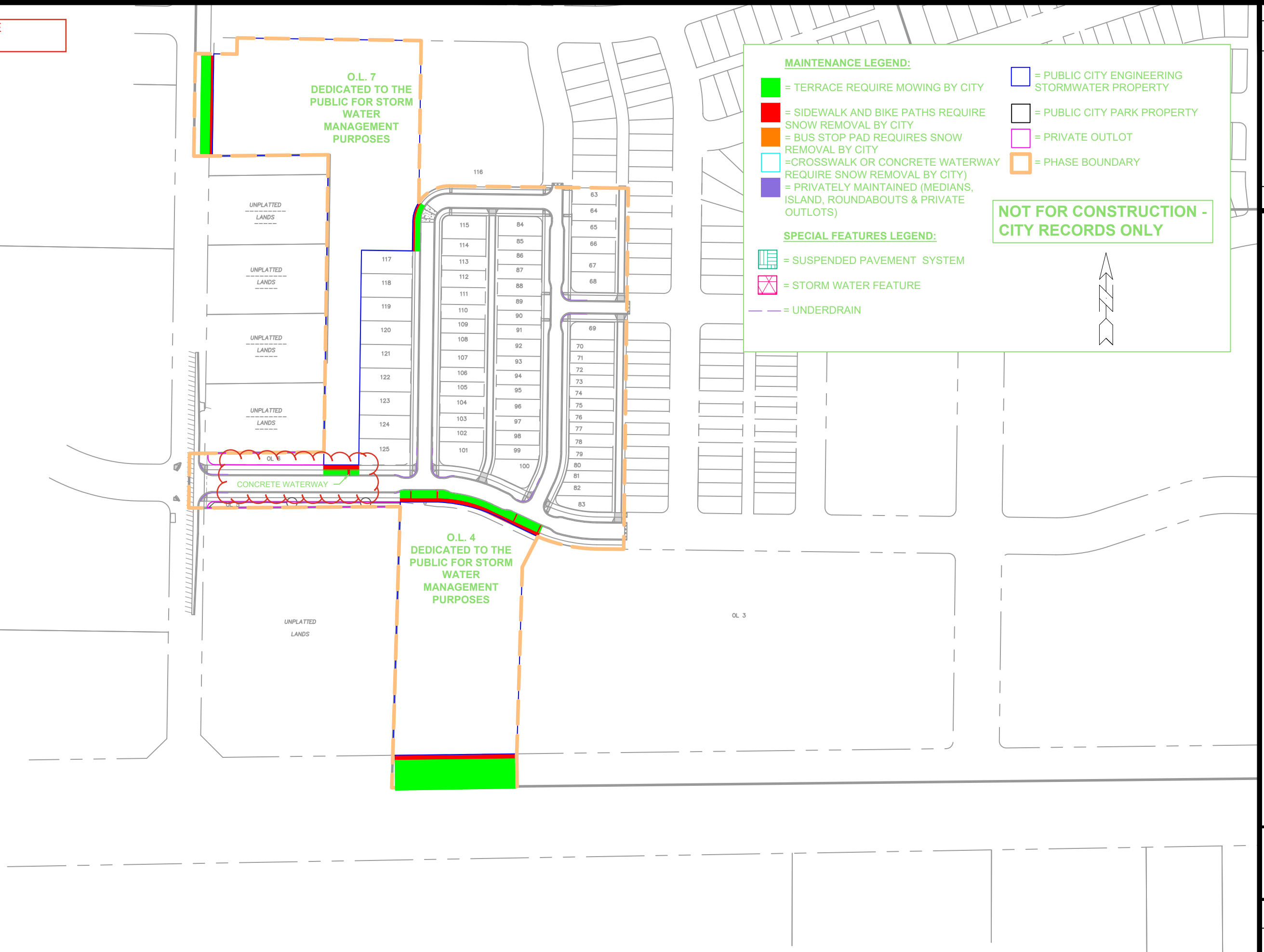
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MADISON, WI

CONTRACT NO: 9720

MARK	REVISION	DATE	BY
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REV2: ADDED CONCRETE
WATERWAY



MAINTENANCE LEGEND:

-  = TERRACE REQUIRE MOWING BY CITY
-  = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
-  = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
-  =CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY)
-  = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)

-  = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
-  = PUBLIC CITY PARK PROPERTY
-  = PRIVATE OUTLOT
-  = PHASE BOUNDARY

**NOT FOR CONSTRUCTION -
CITY RECORDS ONLY**

- SPECIAL FEATURES LEGEND:**

-  = SUSPENDED PAVEMENT SYSTEM
 = STORM WATER FEATURE
 = UNDERDRAIN