



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## VILLAGE AT AUTUMN LAKE

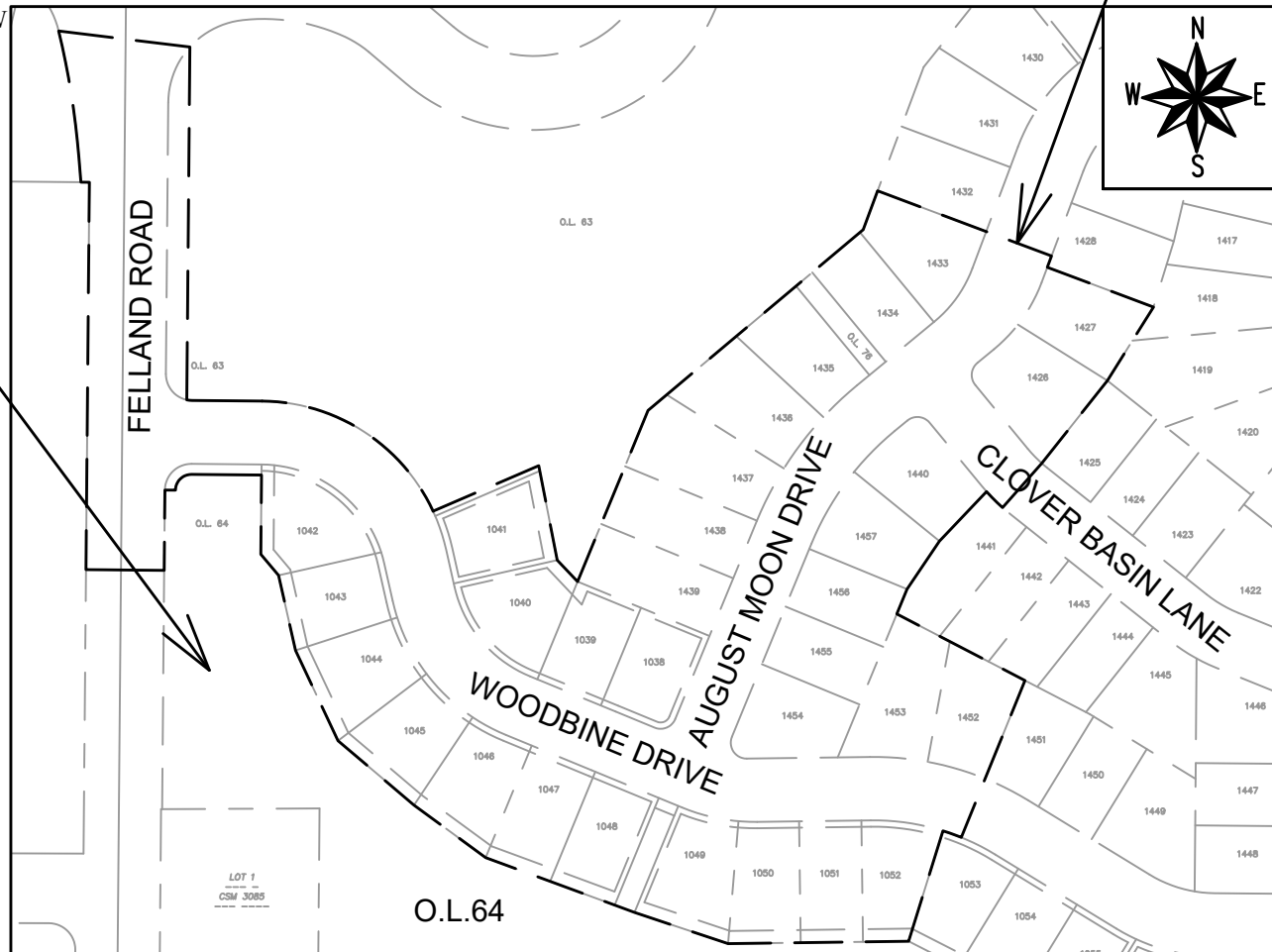
### PHASE 15

#### INDEX OF SHEETS

SHEET NO. D1	STANDARD NOTES
SHEET NO. D2-D4	TYPICAL SECTIONS
SHEET NO. D5	TERRACE EXCAVATION FOR TREE PLANTINGS
SHEET NO. O1	OVERVIEW PLAN
SHEET NO. L1-L2	LANDSCAPING PLAN
SHEET NO. P1-P6	PLAN & PROFILES
SHEET NO. U1-U6	UTILITIES PLAN & PROFILES
SHEET NO. U-SAN	SANITARY SEWER SCHEDULE
SHEET NO. U-STM	STORM SEWER SCHEDULE
SHEET NO. W1-W6	WATER PLAN & PROFILES
SHEET NO. W7	WATER IMPACT PLAN
SHEET NO. W8	WATER ESTIMATE OF MATERIALS
SHEET NO. PM1	PAVEMENT MARKING PLAN
SHEET NO. X1-X16	CROSS SECTIONS
SHEET NO. PBM-1	PROP. BOUNDARY MARKERS PLAN
SHEET NO. MN-1	MAINTENANCE PLAN

CITY PROJECT NO. 14929  
CONTRACT NO. 9378

PROJECT  
LOCATION



SEE O.L. 64  
STORMWATER MANAGEMENT PLANS  
PROJECT NO. 15397  
CONTRACT NO. 9534

**REVISION 1 - 08/14/24**  
- Updated sheets: L1-L2

**REVISION 2 - 08/27/24**  
- Updated sheets: U1, U6, USAN, USTM, W-6

PUBLIC IMPROVEMENT PROJECT  
APPROVED

APRIL 16, 2024

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

Aug 7, 2024

City Engineer

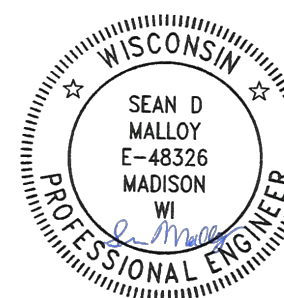
Date

STREET GRADES  
DESIGNED BY:



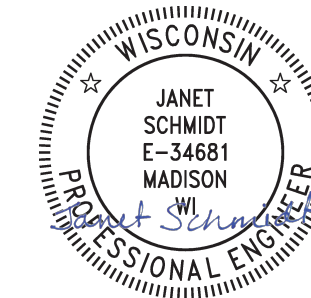
Aug 7, 2024

GEOMETRY AND MARKINGS  
DESIGNED BY:



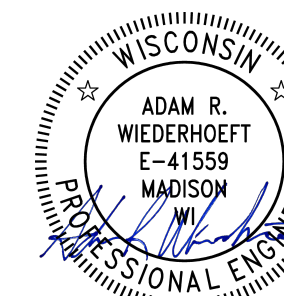
Aug 7, 2024

STORM SEWER  
DESIGNED BY:



Aug 7, 2024

WATER  
DESIGNED BY:



Aug 7, 2024

SANITARY SEWER  
DESIGNED BY:



Aug 7, 2024

PLOT SCALE: 1"=0' = 1"=0" XREF

PLOT NAME: ---

REV. DATE: 8/6/2024 12:29 PM




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 PLAN IS 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 THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: 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: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)

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 PROJECT ENGINEER AND STREET DESIGNER EMMA ALMY AT [EALMY@CITYOFMADISON.COM](mailto:EALMY@CITYOFMADISON.COM) FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

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	

ALL PAVEMENT IN THE AUGUST MOON DRIVE, CLOVER BASIN LANE, AND WOODBINE DRIVE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE FELLAND ROAD RIGHTS-OF-WAY SHALL BE TYPE B 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.

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT. THE CITY PROJECT ENGINEER IS EMMA ALMY, EMAIL: [EALMY@CITYOFMADISON.COM](mailto:EALMY@CITYOFMADISON.COM)

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.

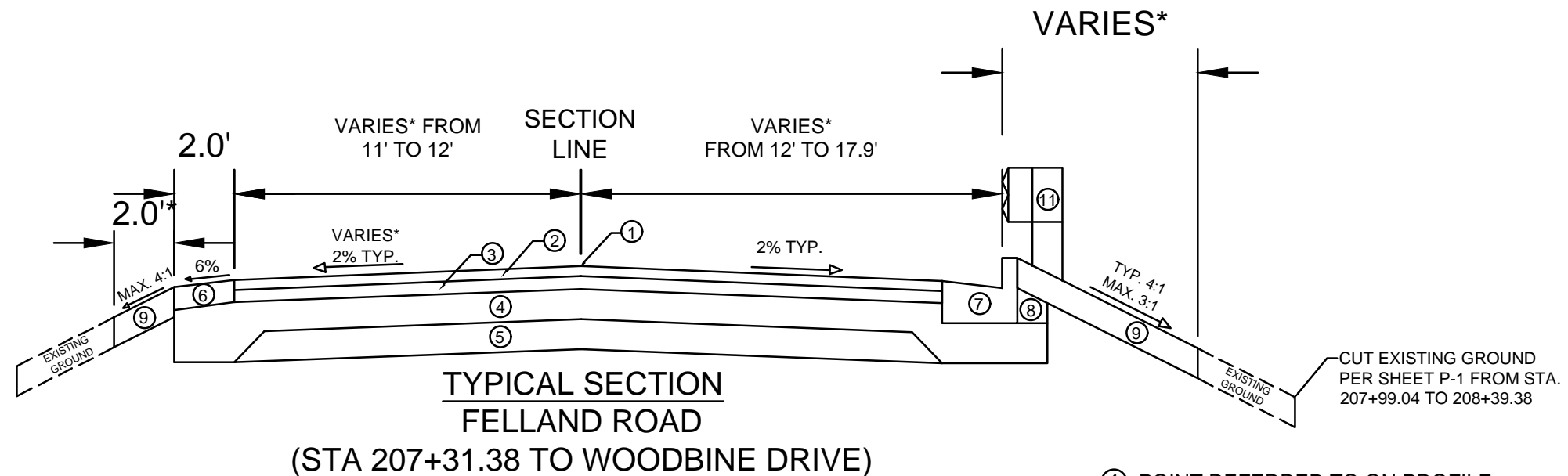
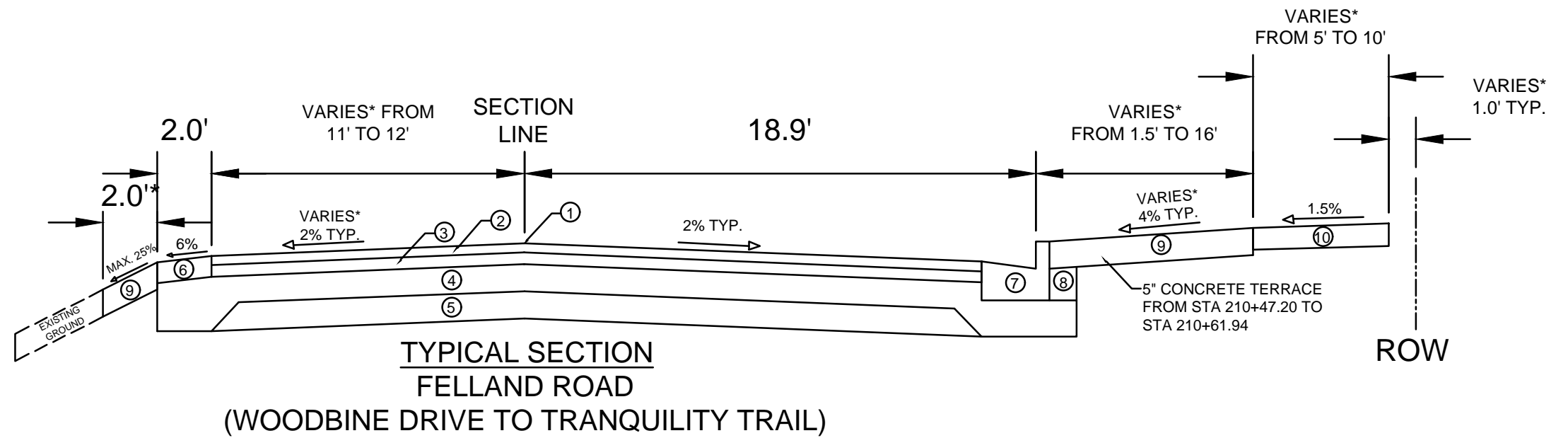
MARK	REVISION	DATE	BY
14929			
Designed By: EEA	Date: 4/15/2024 8:00 AM	Scale:	D-1

14929  
MADISON, WI  
9378  
CONTRACT NO:

STANDARD NOTES  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Details.dwg



14929  
D-1



- ① POINT REFERRED TO ON PROFILE
- ② 2.00" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S\*\*
- ③ 2.50" H.M.A. PAVEMENT- TYPE 3 LT 58-28 S\*\*
- ④ 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- ⑤ 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- ⑥ 4.50" CRUSHED AGGREGATE BASE COURSE GRADATION 3
- ⑦ CONCRETE CURB AND GUTTER TYPE 'A'
- ⑧ FILL
- ⑨ 6" TOPSOIL, SEED AND MATTING
- ⑩ 5" CONCRETE SIDEWALK
- ⑪ STEEL PLATE BEAM GUARD , CLASS A\*\*\*

**SPECIAL NOTES:**

- \* SEE P & X SHEETS FOR CROSS SLOPES AND DIMENSIONS
- \*\* SEE SHEET O-1 FOR SURFACE PAVING RESPONSIBILITY
- \*\*\* FACE OF STEEL PLATE BEAM GUARD TO MATCH HORIZONTAL LOCATION OF FACE OF CURB

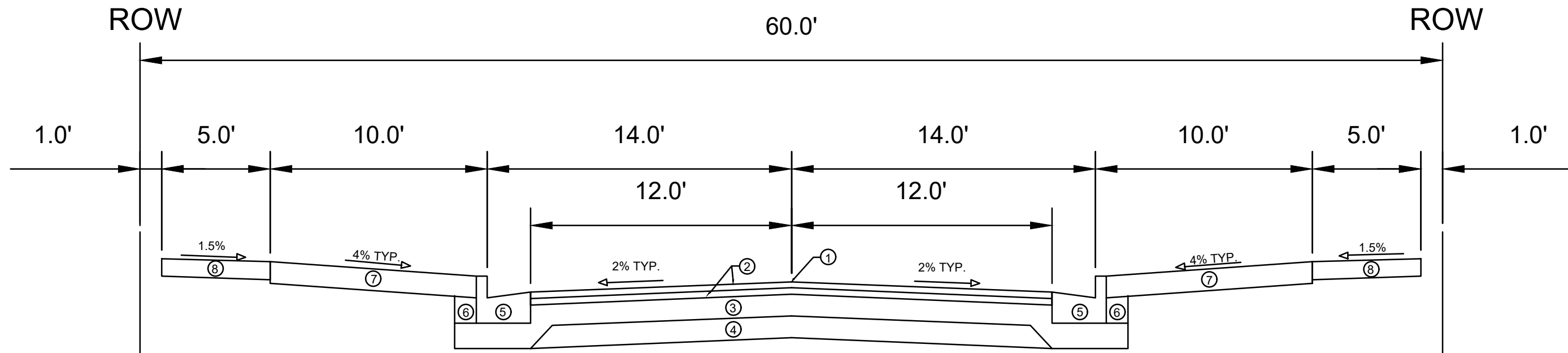
DATE	BY
REVISION	DATE
DESIGNED BY: EEA	DATE: 4/5/2024 8:00 AM
MARK	SCALE
14929	D-2

14929  
MADISON, WI  
9378  
CONTRACT NO:

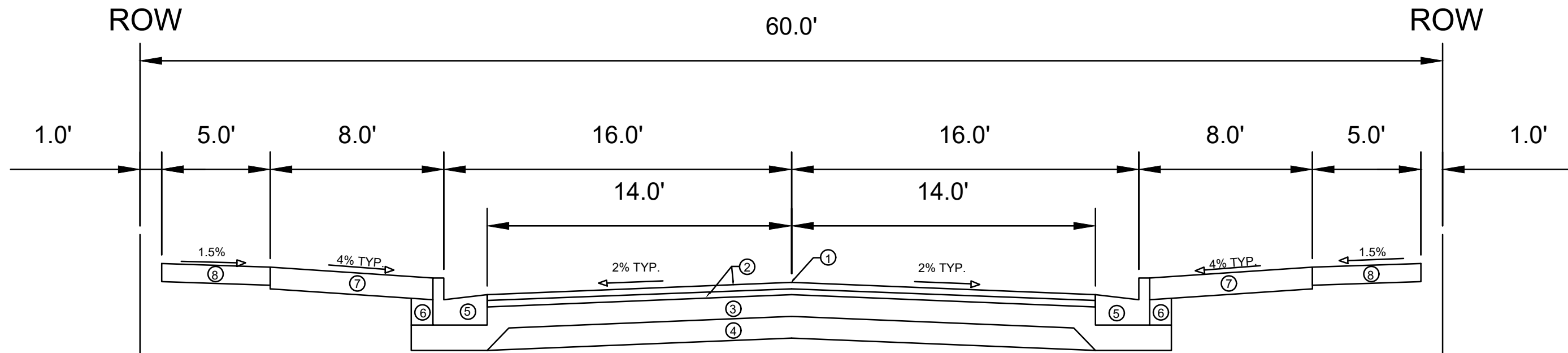
TYPICAL SECTIONS  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Details.dwg



14929  
D-2



TYPICAL SECTION  
 WOODBINE DRIVE  
 (STA 303+68.46 TO STA 309+94.87)



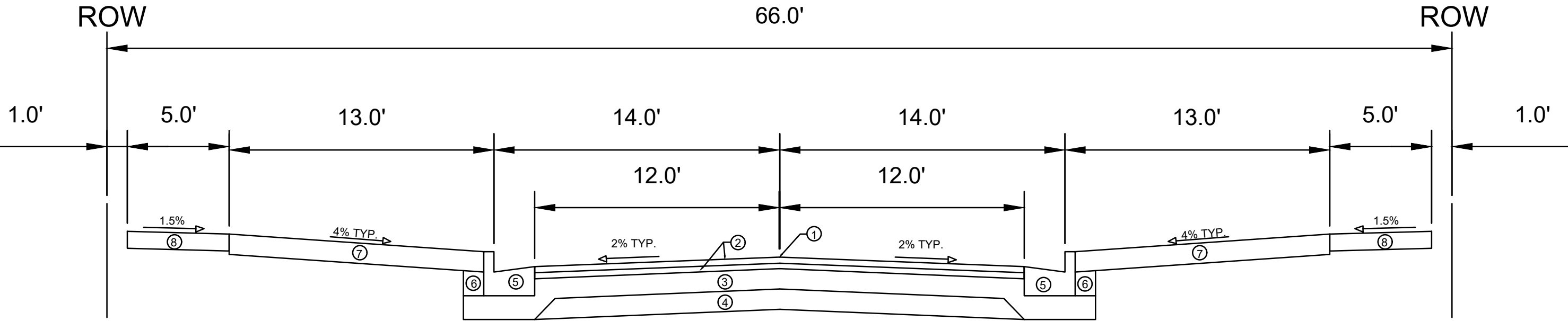
TYPICAL SECTION  
 WOODBINE DRIVE  
 (STA 300+82.00 TO STA 301+65.33)

- 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" TOPSOIL, SEED AND MATTING
- ⑧ 5" CONCRETE SIDEWALK

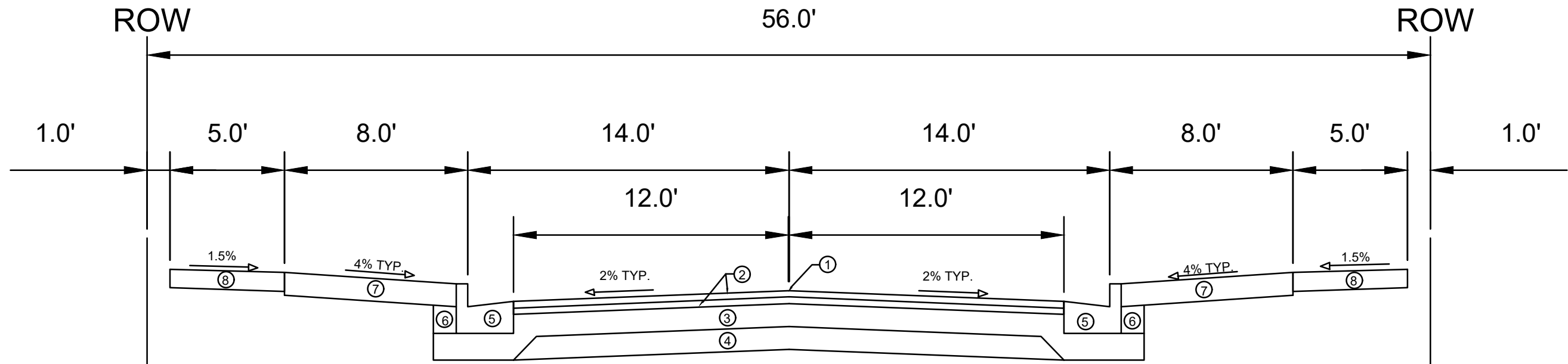
**SPECIAL NOTES:**

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

14929	MADISON, WI	9378	CONTRACT NO:	D-3
VILLAGE AT AUTUMN LAKE - PHASE 15				
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Details.dwg				
TYPICAL SECTIONS				
14929				
D-3				



TYPICAL SECTION  
 AUGUST MOON DRIVE  
 (STA 336+07.84 TO STA 336+35.79)



TYPICAL SECTION  
 CLOVER BASIN LANE  
 AUGUST MOON DRIVE  
 (STA 330+64.00 TO STA 335+29.35)

- 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" TOPSOIL, SEED AND MATTING
- ⑧ 5" CONCRETE SIDEWALK

SPECIAL NOTES:

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

MARK	REVISION	DATE	BY
14929		4/5/2024 8:00 AM	
Designed By: EEA	Drawn: 4/5/2024 8:00 AM	Scale:	D-4

14929  
 MADISON, WI  
 CONTRACT NO: 9378

TYPICAL SECTIONS  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Details.dwg

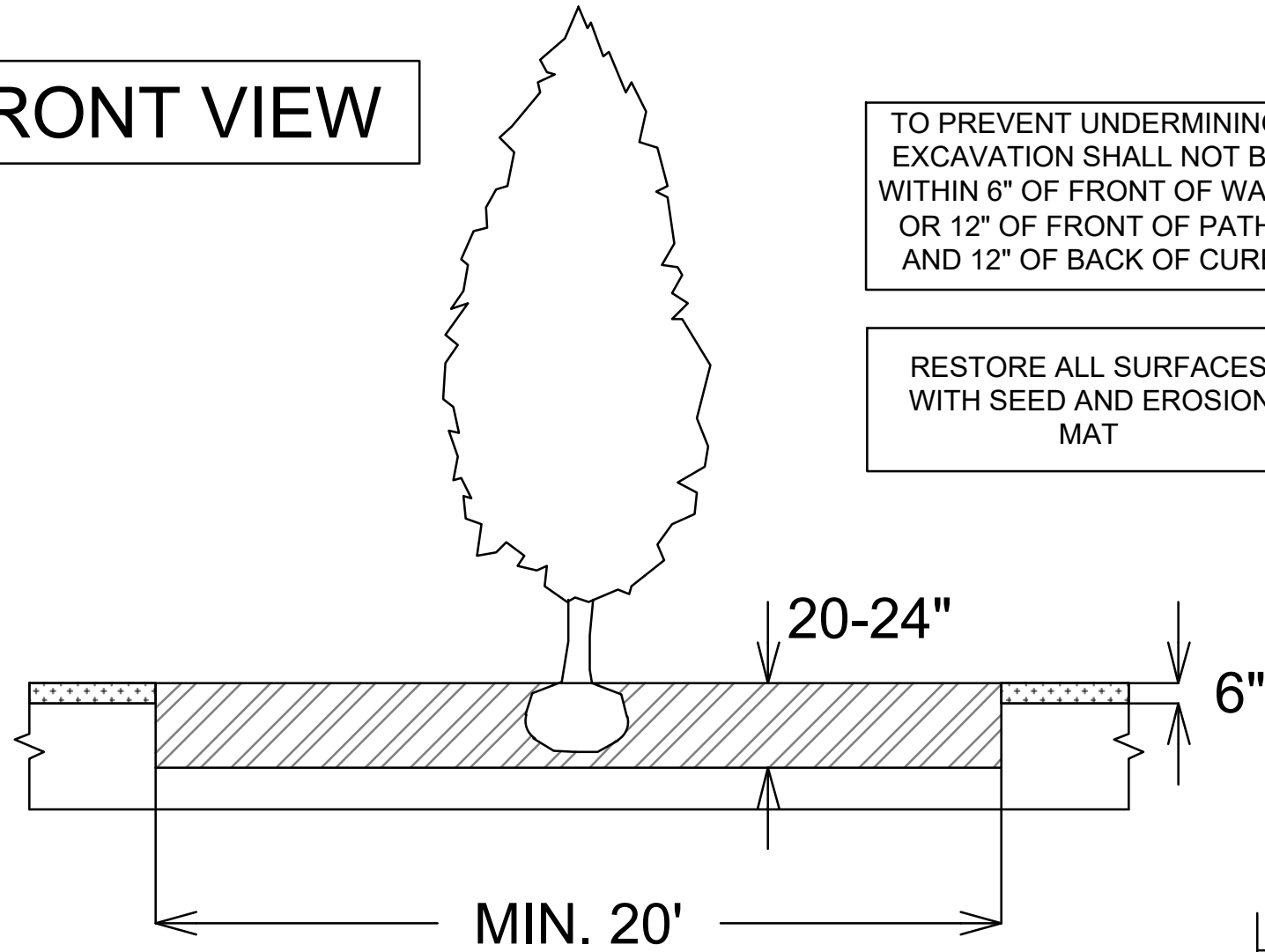


14929  
 D-4

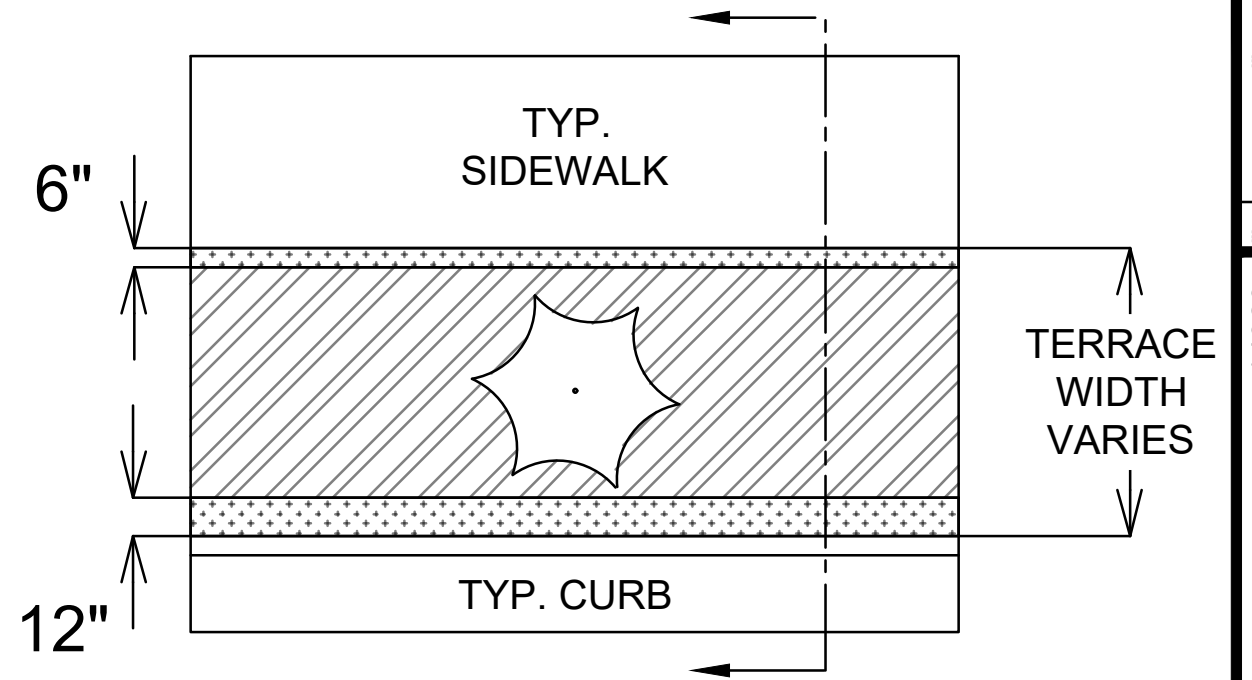
**TERRACE EXCAVATION FOR TREE PLANTING:**

THIS INCLUDES ALL WORK NECESSARY TO EXCAVATE AREAS WITHIN GRASS TERRACES TO AN APPROPRIATE DEPTH SUITABLE FOR NEW TREE PLANTINGS. ALL WORK SHALL BE IN ACCORDANCE WITH ARTICLE 201 OF THE STANDARD SPECIFICATIONS. THE PROPOSED LOCATIONS FOR TREE PLANTINGS ARE IDENTIFIED ON THE LANDSCAPING PLAN INCLUDED WITHIN THIS PLAN SET. PRIOR TO THE CONTRACTOR STARTING THE EXCAVATION WORK, THE ENGINEER AND FORESTRY REPRESENTATIVE SHALL REVIEW THE PLAN LOCATIONS ON-SITE AND CONFIRM THAT NO CONFLICTS ARE ANTICIPATED. ONCE THE LOCATIONS MARKED, THE CONTRACTOR SHALL EXCAVATE THE TERRACE AREA TO A SUITABLE DEPTH FOR NEW TREE PLANTINGS, APPROXIMATELY TWENTY (20) INCHES TO TWENTY-FOUR (24) INCHES. THE TERRACE SHALL BE EXCAVATED TO A MINIMUM LENGTH OF TWENTY (20) FEET, BUT THAT MAY BE REDUCED BY THE CONSTRUCTION ENGINEER TO FIT SITE CONSTRAINTS AS NECESSARY. THE WIDTH OF THE TERRACE SHALL ALSO BE EXCAVATED TO AS CLOSE TO THE SIDEWALK/PATH AND CURB AS IS REASONABLE. WHILE PERFORMING THE EXCAVATION, THE CONTRACTOR SHALL TAKE CARE TO NOT UNDERMINE OR DAMAGE THE ADJACENT CURB OR SIDEWALK. IF DAMAGED DURING THE EXCAVATION PROCESS, THE DEVELOPER SHALL REPLACE CURB OR SIDEWALK/PATH AT THEIR COST. ONCE THE AREA IS EXCAVATED, THE CONTRACTOR SHALL BACKFILL THE EXCAVATED AREA WITH REGULAR TOPSOIL, AND THE SURFACE SHALL BE RESTORED WITH SEED AND EROSION MAT.



**FRONT VIEW**



**TOP VIEW**

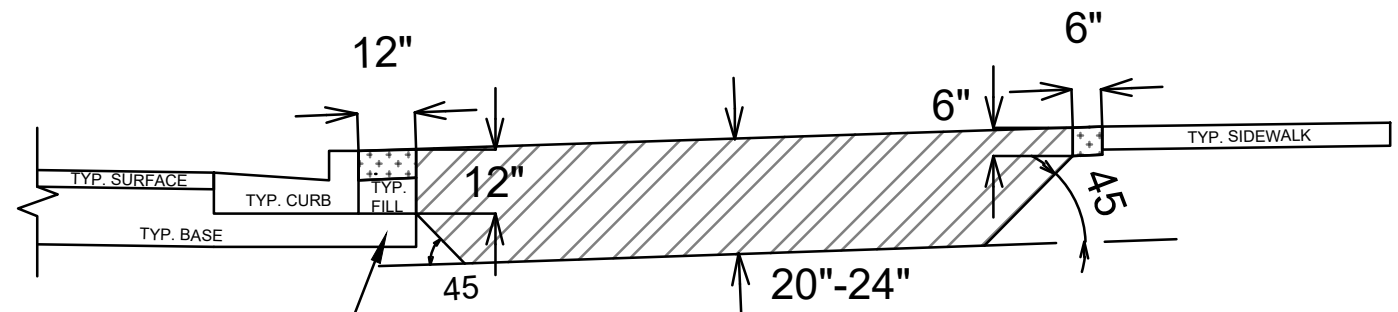


**LEGEND**

-  AREA TO BE EXCAVATED 20-24" DEEP AND BACKFILLED WITH TOPSOIL
-  AREA TO BE 6" TOPSOIL

12" BASE EXTENSION BEHIND CURB

**SECTION VIEW**



**SPECIAL NOTES:**

REFER TO S.D.D. 2.01 FOR STANDARD PLANTING TECHNIQUE FOR TREES IN TURF AREAS.

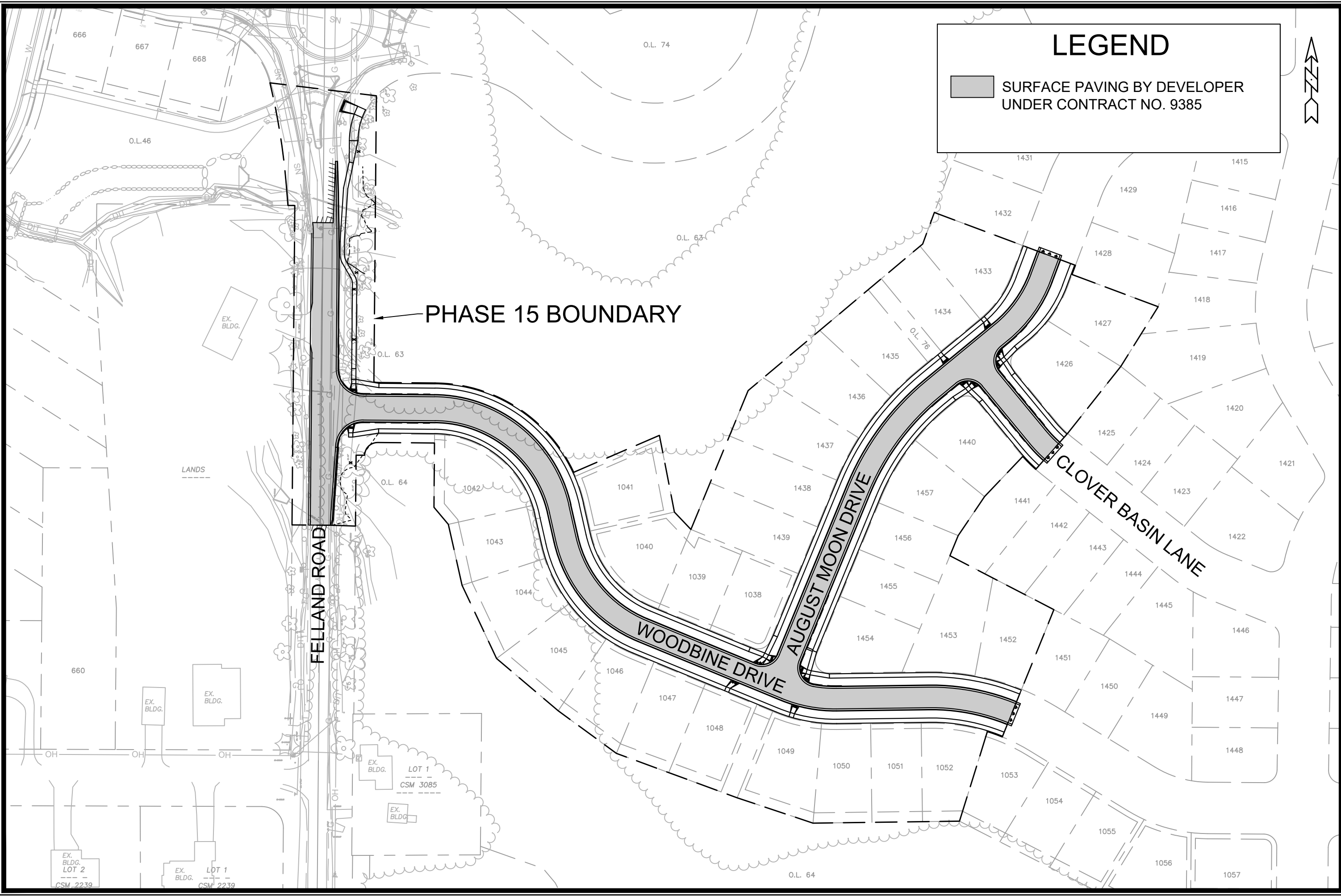
DATE	BY
REVISION	DATE
14929	05/03/2024 3:30 PM
14929	14929
D-5	

14929  
MADISON, WI  
9378  
CONTRACT NO:

TERRACE EXCAVATION FOR TREE PLANTING  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-TerraceExcavationforTreePlantings.dwg



14929  
D-5



### LEGEND

SURFACE PAVING BY DEVELOPER  
 UNDER CONTRACT NO. 9385



MARK	REVISION	DATE	BY
14929	Designed By: EEA	Date: 4/5/2024 10:00 AM	Scale: 1"=100'
14929			O-1

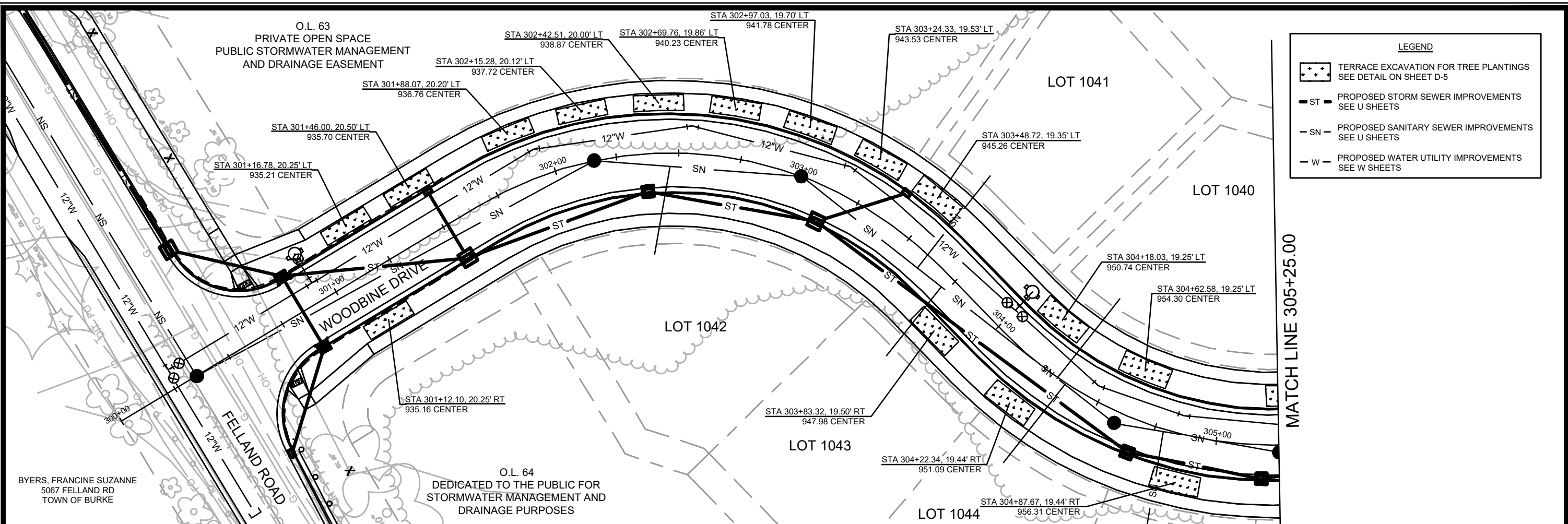
**14929**  
**MADISON, WI**  
**CONTRACT NO: 9378**

**OVERVIEW PLAN**  
**VILLAGE AT AUTUMN LAKE - PHASE 15**  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-OverviewPlan.dwg



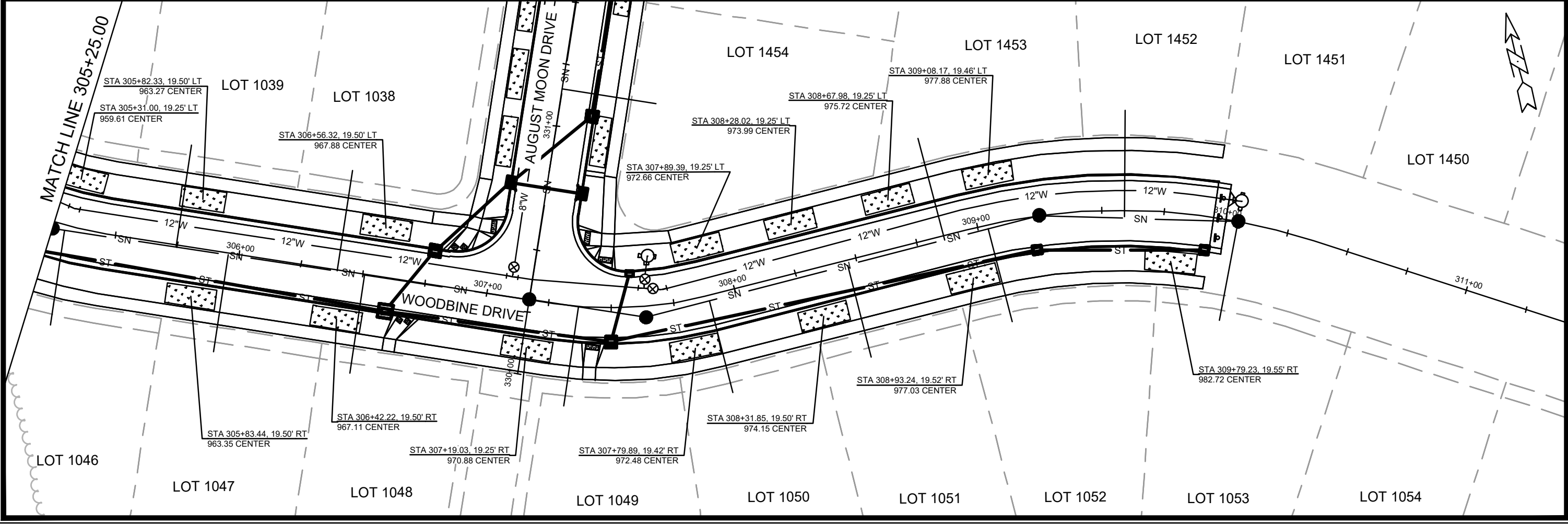
**14929**

**O-1**



**LEGEND**

- TERRACE EXCAVATION FOR TREE PLANTINGS SEE DETAIL ON SHEET D-5
- ST PROPOSED STORM SEWER IMPROVEMENTS SEE U SHEETS
- SN PROPOSED SANITARY SEWER IMPROVEMENTS SEE U SHEETS
- W PROPOSED WATER UTILITY IMPROVEMENTS SEE W SHEETS



MARK	REVISION	DATE	BY
REV1	TERRACE EXCAVATION SITE RELOCATION	08/14/24	GIT
DESIGN	DESIGN	08/14/24	EEA

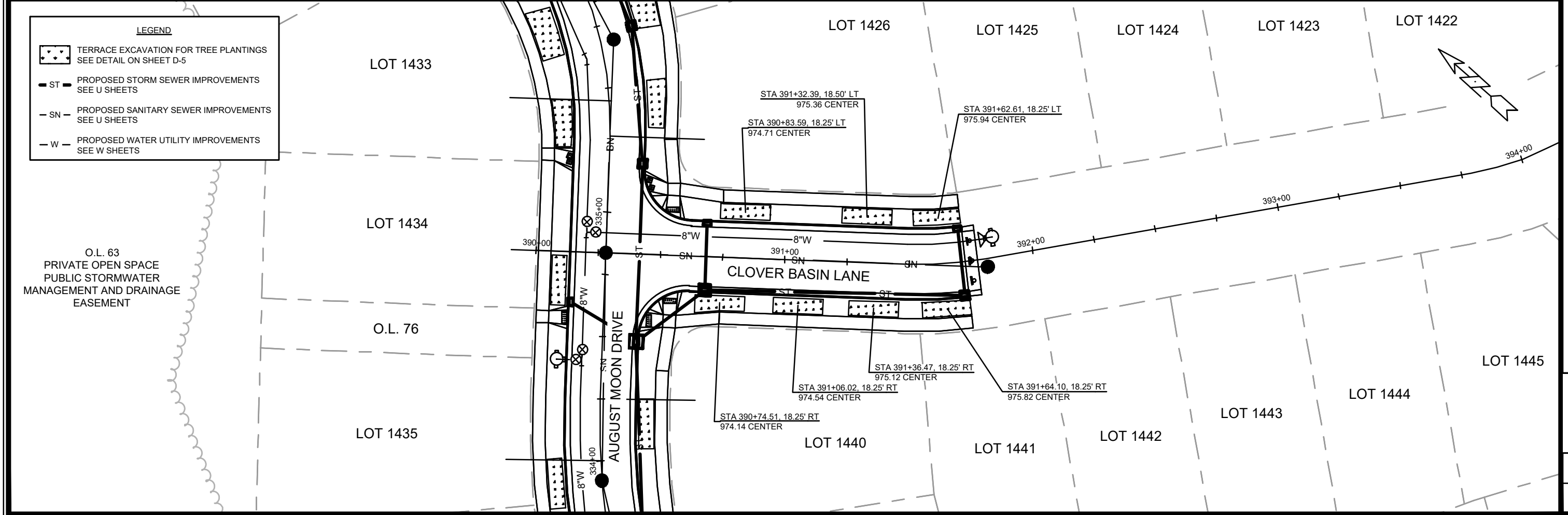
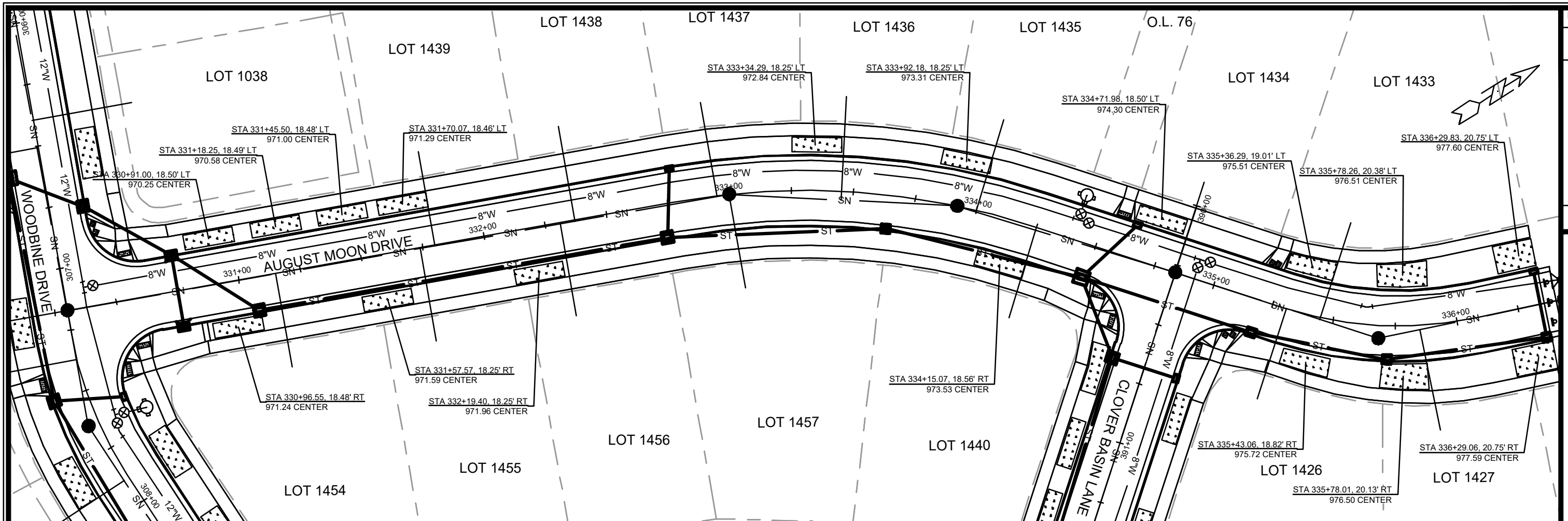
14929  
 MADISON, WI  
 CONTRACT NO.: 9378

LANDSCAPING PLAN - WOODBINE DRIVE  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-LandscapingPlan\_080924.dwg



14929  
 L-1





**LEGEND**

- TERRACE EXCAVATION FOR TREE PLANTINGS  
SEE DETAIL ON SHEET D-5
- PROPOSED STORM SEWER IMPROVEMENTS  
SEE U SHEETS
- PROPOSED SANITARY SEWER IMPROVEMENTS  
SEE U SHEETS
- PROPOSED WATER UTILITY IMPROVEMENTS  
SEE W SHEETS

O.L. 63  
PRIVATE OPEN SPACE  
PUBLIC STORMWATER  
MANAGEMENT AND DRAINAGE  
EASEMENT

MARK	REVISION	DATE	BY
REV1	TERRACE EXCAVATION SITE RELOCATION	08/14/24	GIT

Design: EEA Date: 4/18/2024 10:00 AM Scale: 1" = 40'  
14929 L-2

14929  
MADISON, WI  
CONTRACT NO.: 9378

LANDSCAPING PLAN - AUGUST MOON DRIVE & CLOVER BASIN LANE

VILLAGE AT AUTUMN LAKE - PHASE 15

M:\DESIGN\Projects\14929\CAD\Streets\14929EN-LandscapingPlan\_080924.dwg

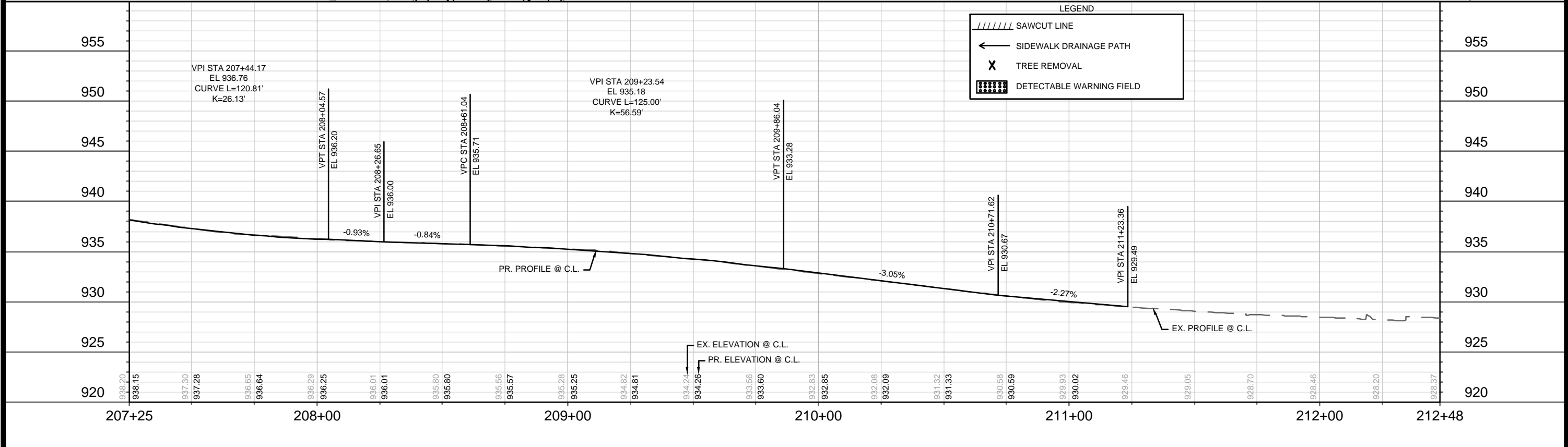
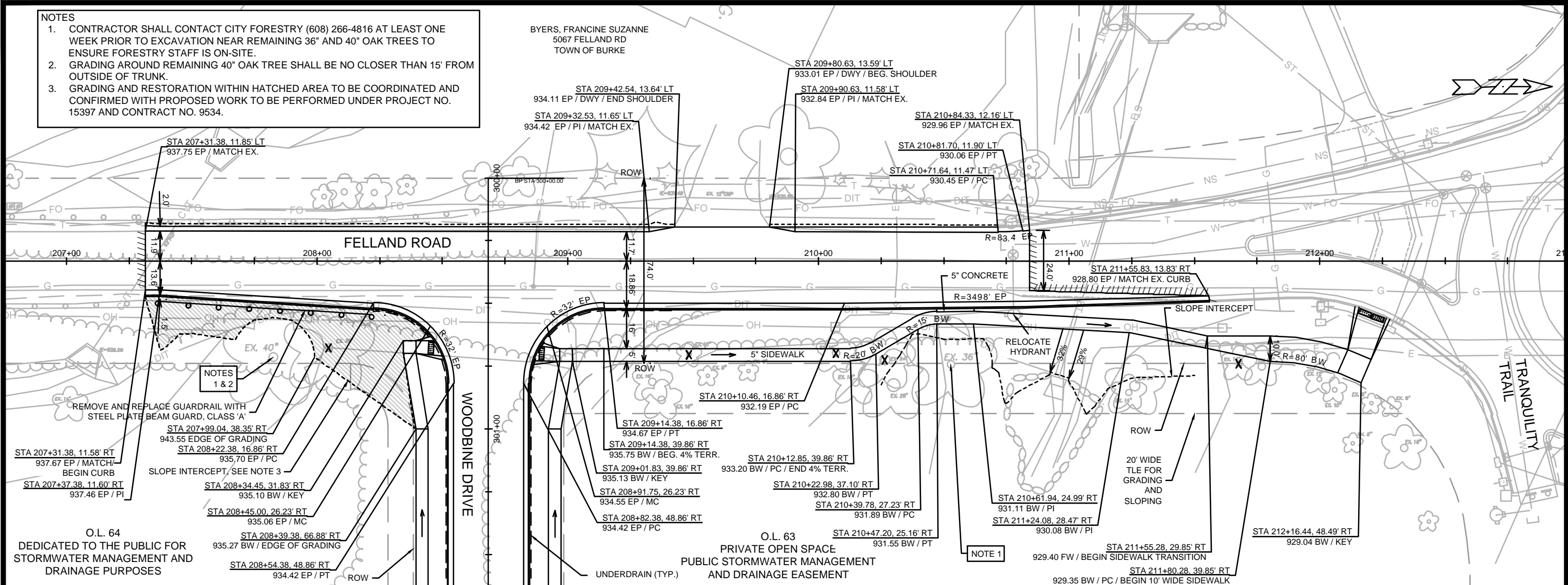


14929  
L-2

**NOTES**

- CONTRACTOR SHALL CONTACT CITY FORESTRY (608) 266-4816 AT LEAST ONE WEEK PRIOR TO EXCAVATION NEAR REMAINING 36" AND 40" OAK TREES TO ENSURE FORESTRY STAFF IS ON-SITE.
- GRADING AROUND REMAINING 40" OAK TREE SHALL BE NO CLOSER THAN 15' FROM OUTSIDE OF TRUNK.
- GRADING AND RESTORATION WITHIN HATCHED AREA TO BE COORDINATED AND CONFIRMED WITH PROPOSED WORK TO BE PERFORMED UNDER PROJECT NO. 15397 AND CONTRACT NO. 9534.

BYERS, FRANCINE SUZANNE  
5067 FELLAND RD  
TOWN OF BURKE



**LEGEND**

- SAWCUT LINE
- SIDEWALK DRAINAGE PATH
- TREE REMOVAL
- DETECTABLE WARNING FIELD

MARK	REVISION	DATE	BY

Scale: 1" = 40'

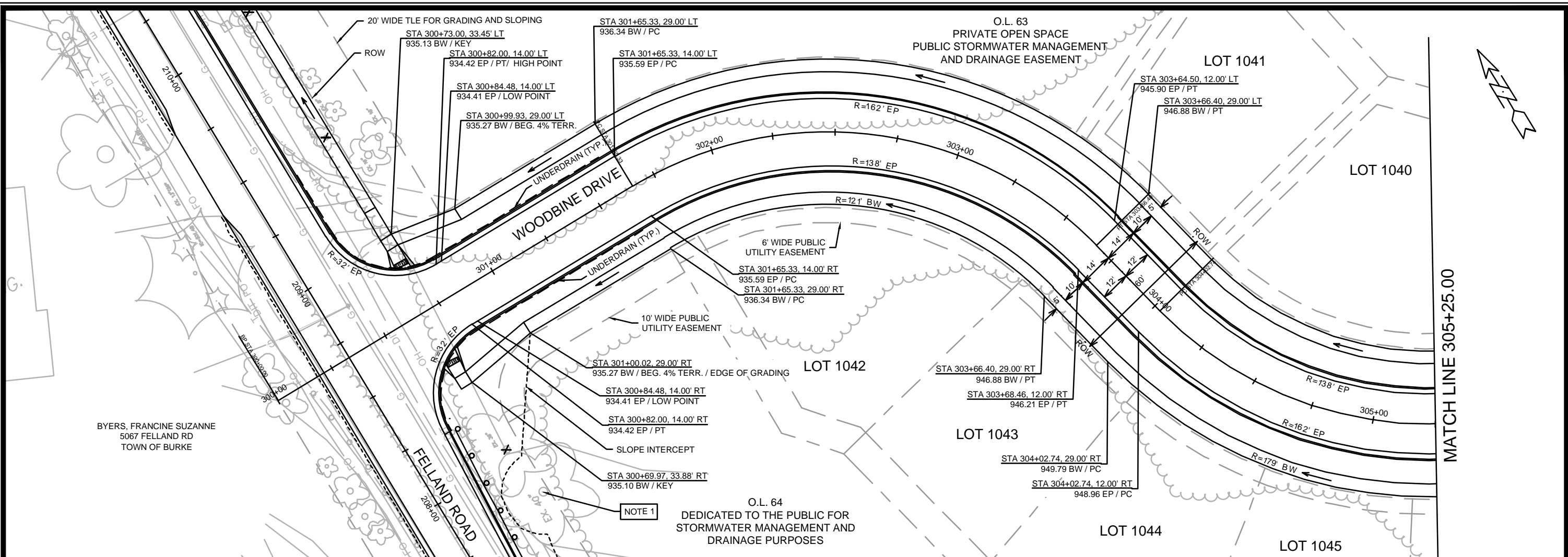
Design: EEA Date: 8/2/2024 1:43 PM

14929

14929  
MADISON, WI  
CONTRACT NO: 9378

PLAN & PROFILE - FELLAND ROAD  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-PnP.dwg

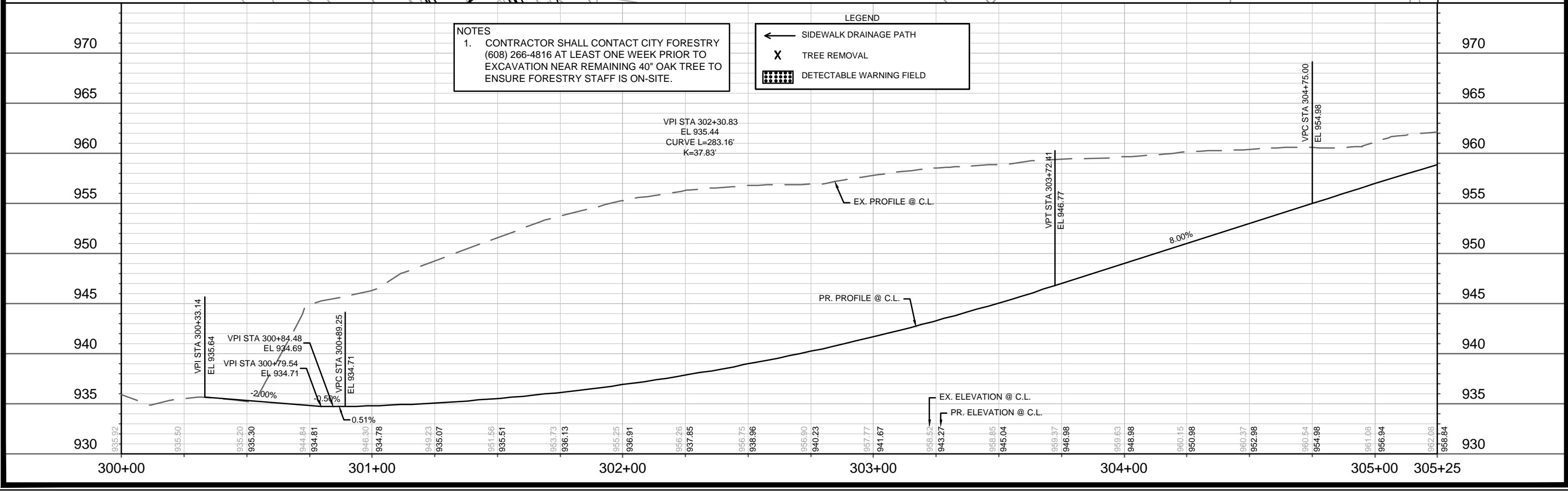
14929  
P-1



**NOTES**  
 1. CONTRACTOR SHALL CONTACT CITY FORESTRY (608) 266-4816 AT LEAST ONE WEEK PRIOR TO EXCAVATION NEAR REMAINING 40' OAK TREE TO ENSURE FORESTRY STAFF IS ON-SITE.

**LEGEND**

- ← SIDEWALK DRAINAGE PATH
- X TREE REMOVAL
- DETECTABLE WARNING FIELD

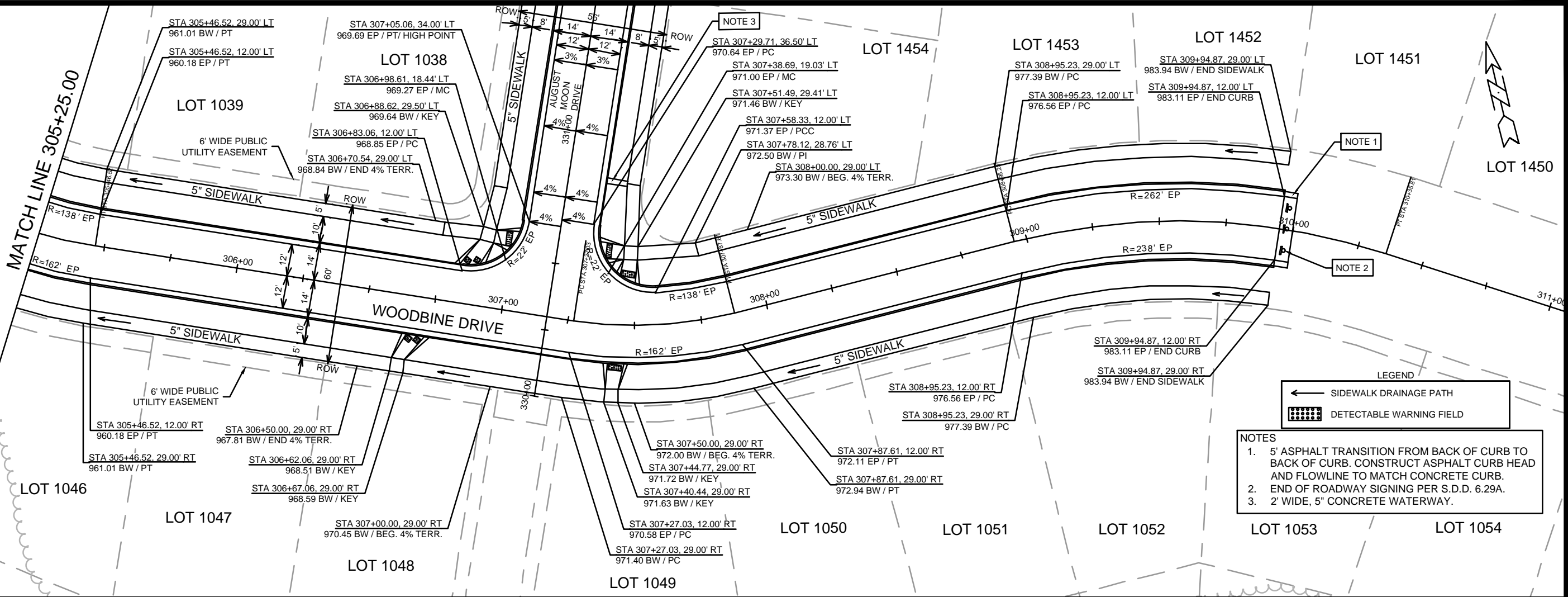


DATE	BY
REVISION	DATE
MARK	REVISION
Designated By: EEA	Date: 2/13/2024 12:00 PM
14929	Scale: 1" = 40'
14929	P-2

14929  
 MADISON, WI  
 CONTRACT NO: 9378

PLAN & PROFILE - WOODBINE DRIVE  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-PnP.dwg

14929  
 P-2

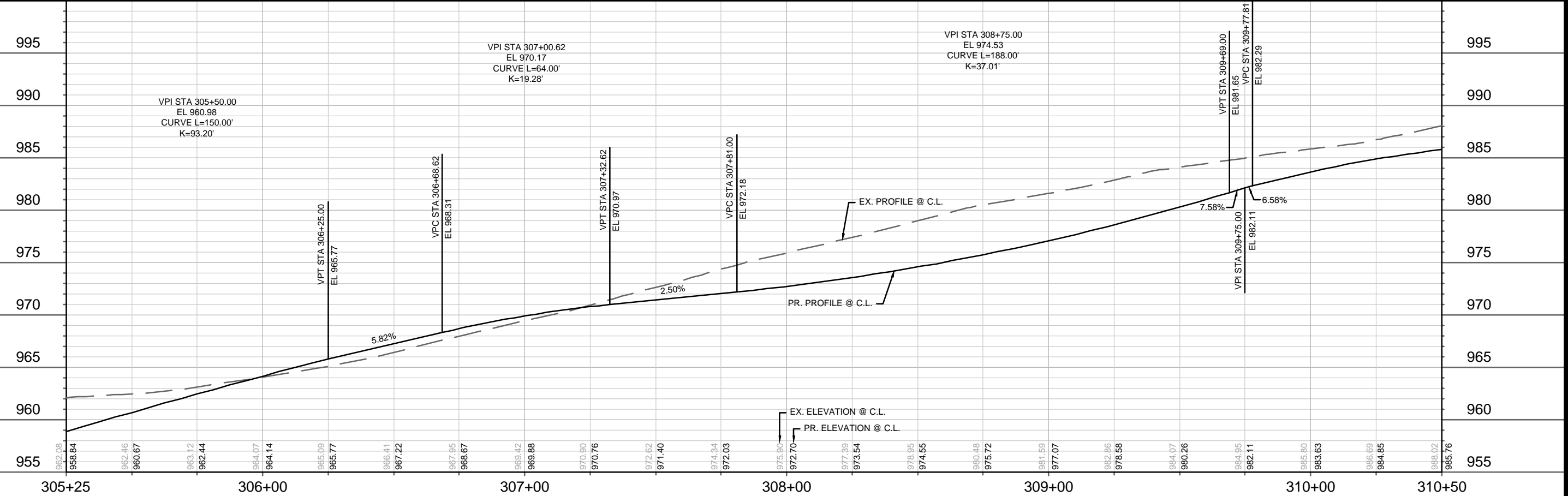


**LEGEND**

- ← SIDEWALK DRAINAGE PATH
- [Grid Pattern] DETECTABLE WARNING FIELD

**NOTES**

- 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
- END OF ROADWAY SIGNING PER S.D.D. 6.29A.
- 2' WIDE, 5" CONCRETE WATERWAY.



DATE	BY	11/11/2024	14929
REVISION	DATE	11/11/2024	14929
MARK	DATE	11/11/2024	14929
DESIGNED BY	DATE	11/11/2024	14929
14929	14929	14929	14929

14929  
MADISON, WI  
9378  
CONTRACT NO.:  
14929

PLAN & PROFILE - WOODBINE DRIVE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-PnP.dwg

14929  
P-3

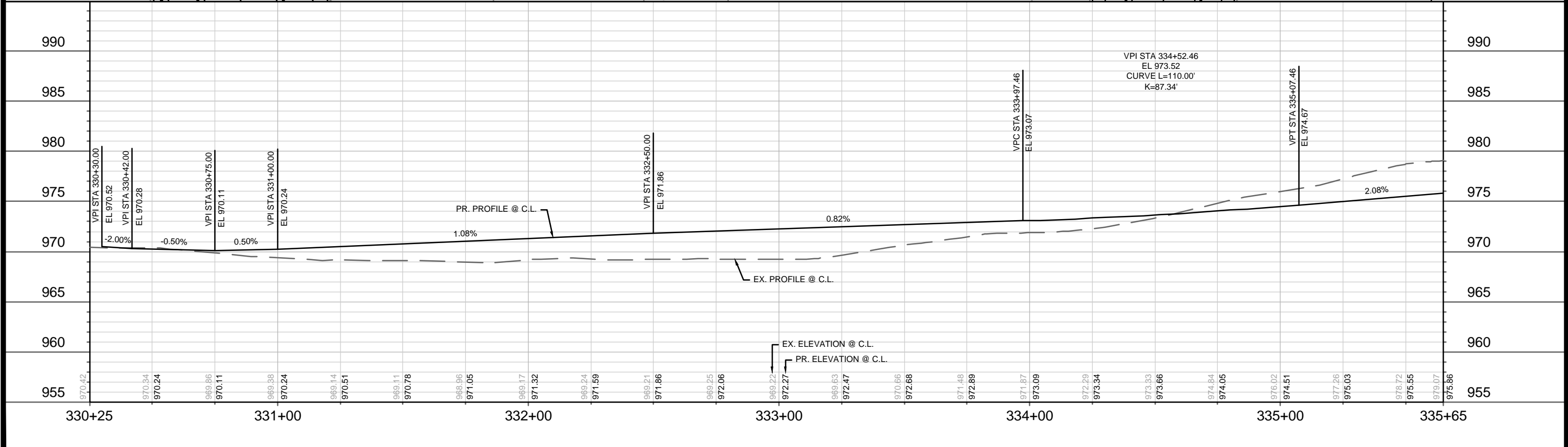
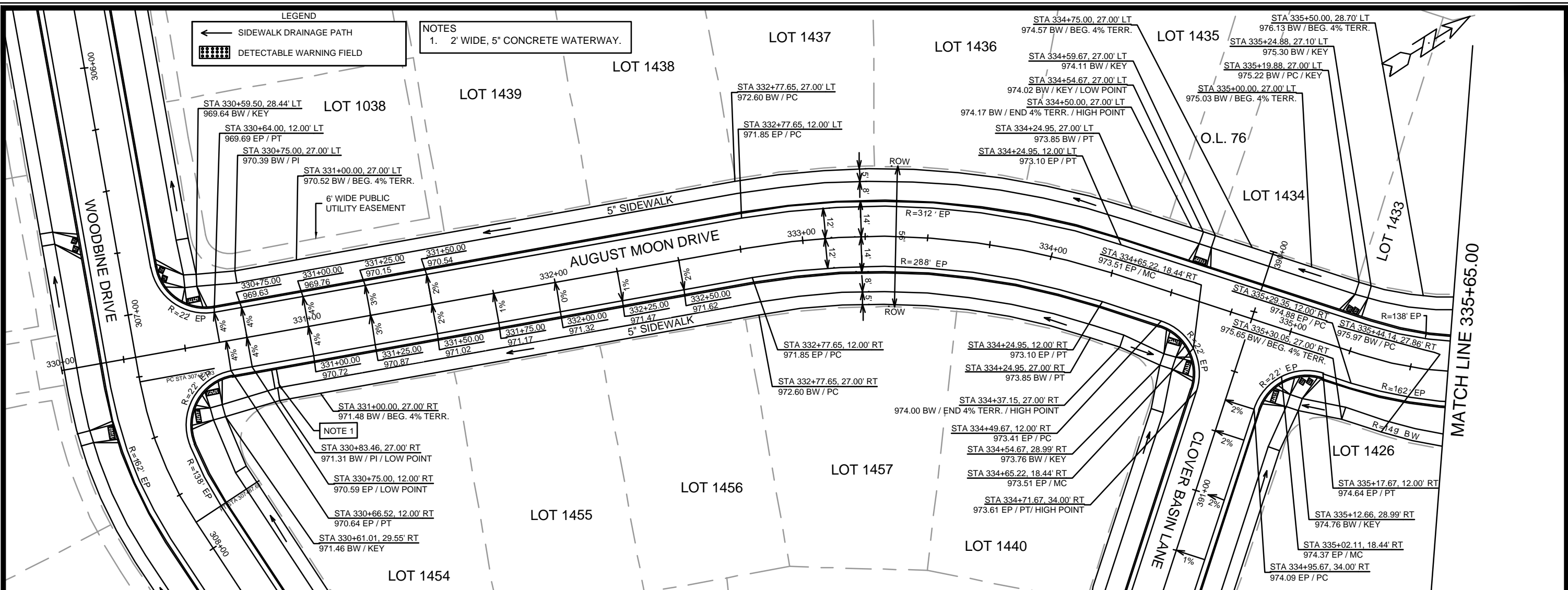
**LEGEND**

← SIDEWALK DRAINAGE PATH

▨ DETECTABLE WARNING FIELD

**NOTES**

1. 2' WIDE, 5" CONCRETE WATERWAY.



MARK	REVISION	DATE	BY

14929

MADISON, WI

9378

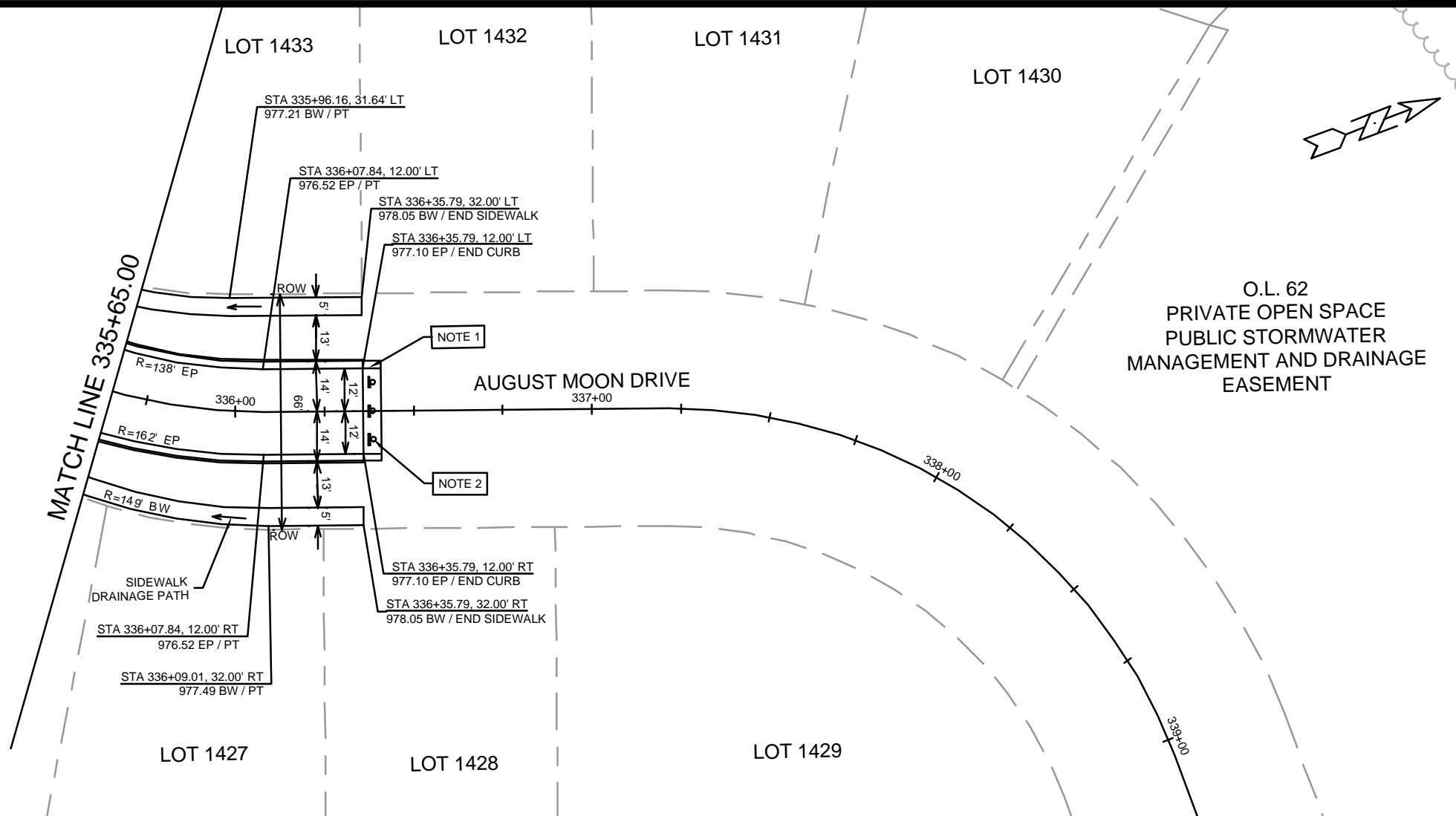
CONTRACT NO:

PLAN & PROFILE - AUGUST MOON DRIVE

VILLAGE AT AUTUMN LAKE - PHASE 15

M:\DESIGN\Projects\14929\CAD\Streets\14929EN-PnP.dwg



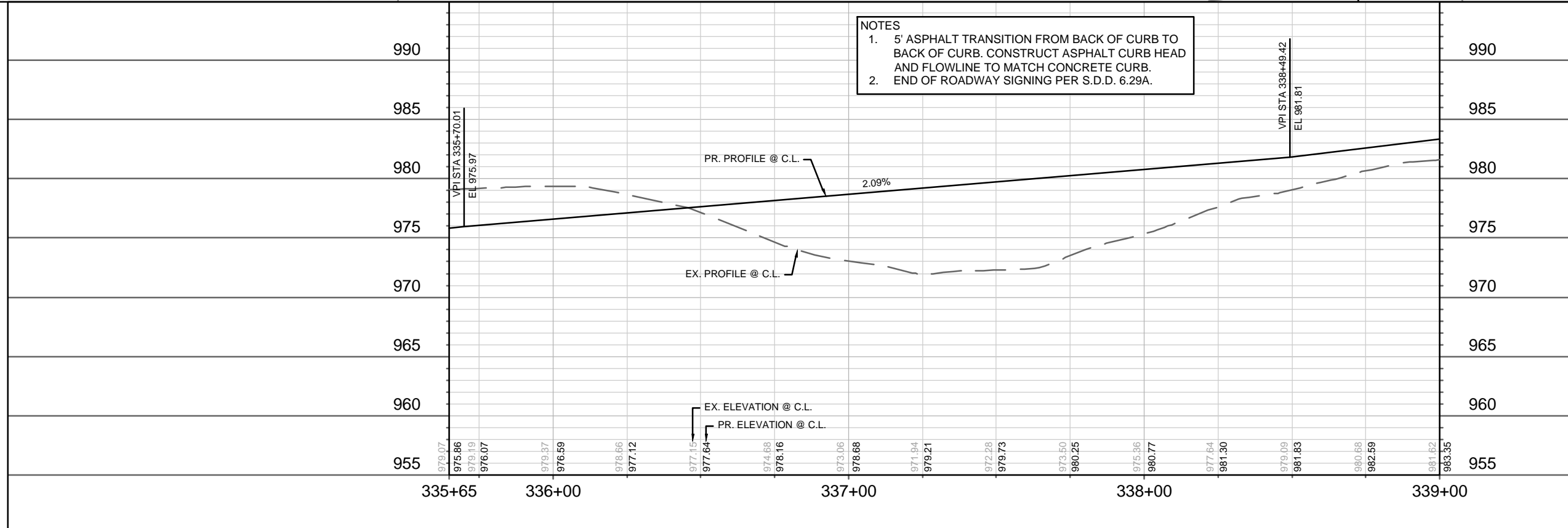


MATCH LINE 335+65.00

O.L. 62  
PRIVATE OPEN SPACE  
PUBLIC STORMWATER  
MANAGEMENT AND DRAINAGE  
EASEMENT

NOTE 1  
NOTE 2

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

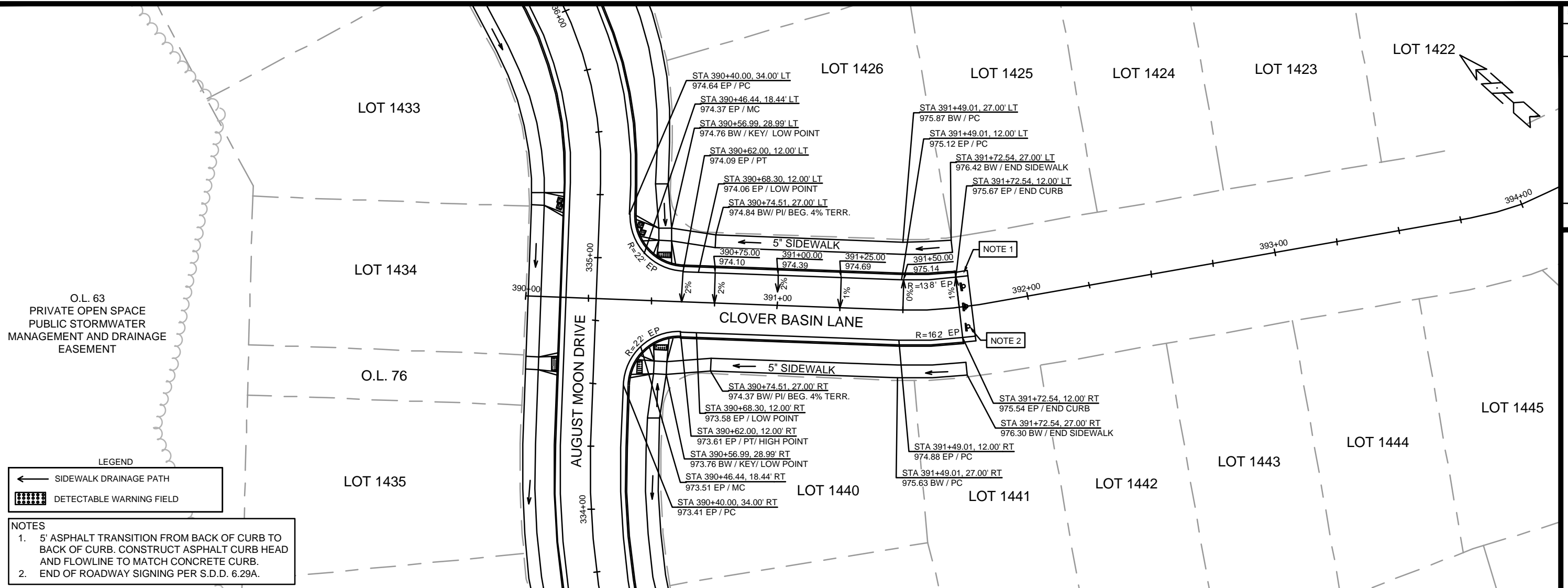


MARK	REVISION	DATE	BY

14929  
MADISON, WI  
CONTRACT NO: 9378  
PLAN & PROFILE - AUGUST MOON DRIVE  
VILLAGE AT AUTUMN LAKE - PHASE 15



14929  
P-5

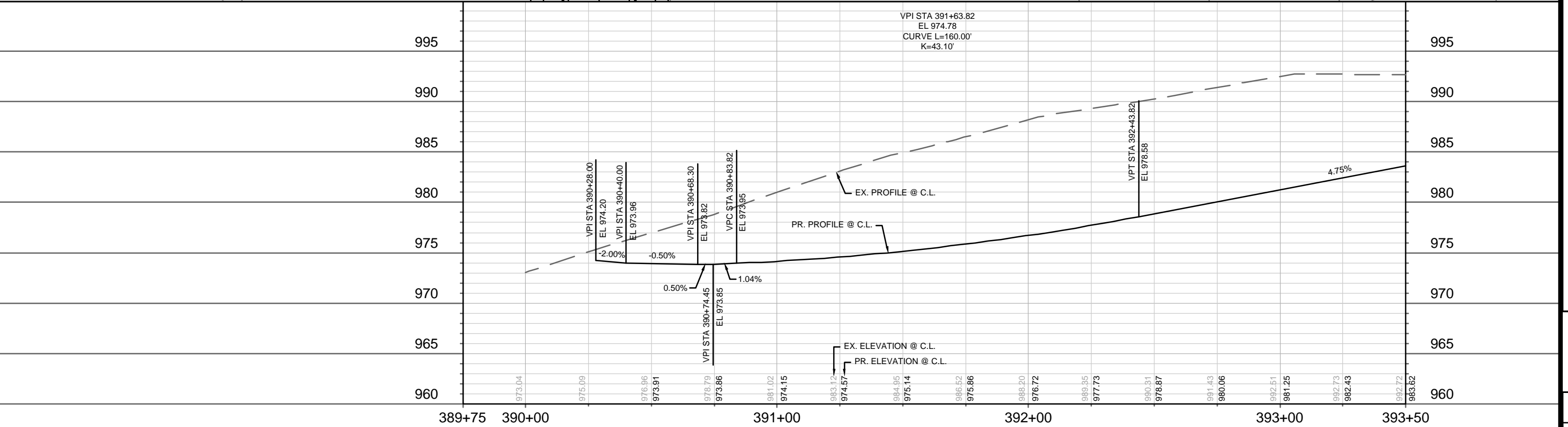


O.L. 63  
PRIVATE OPEN SPACE  
PUBLIC STORMWATER  
MANAGEMENT AND DRAINAGE  
EASEMENT

**LEGEND**

- ← SIDEWALK DRAINAGE PATH
- ▨ DETECTABLE WARNING FIELD

- NOTES**
- 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
  - END OF ROADWAY SIGNING PER S.D.D. 6.29A.



MARK	REVISION	DATE	BY

Design: EEA Date: 2/13/2024 12:00 PM Scale: 1" = 40'

14929

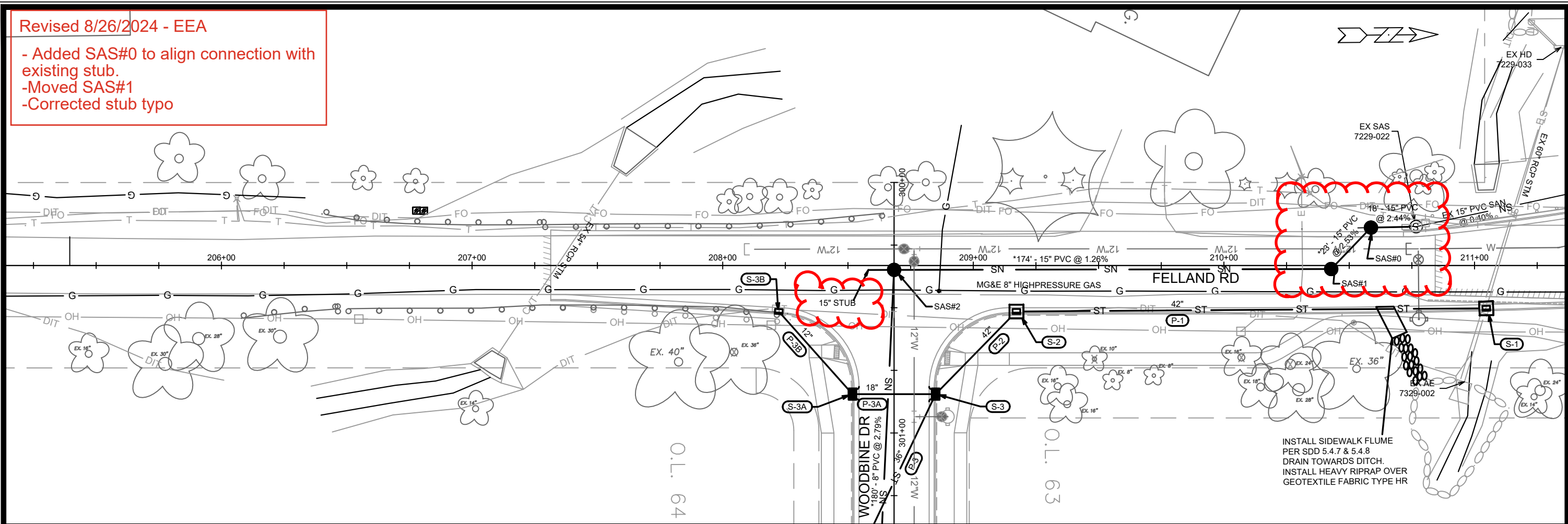
14929  
MADISON, WI  
9378  
CONTRACT NO:

PLAN & PROFILE - CLOVER BASIN LANE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-PnP.dwg

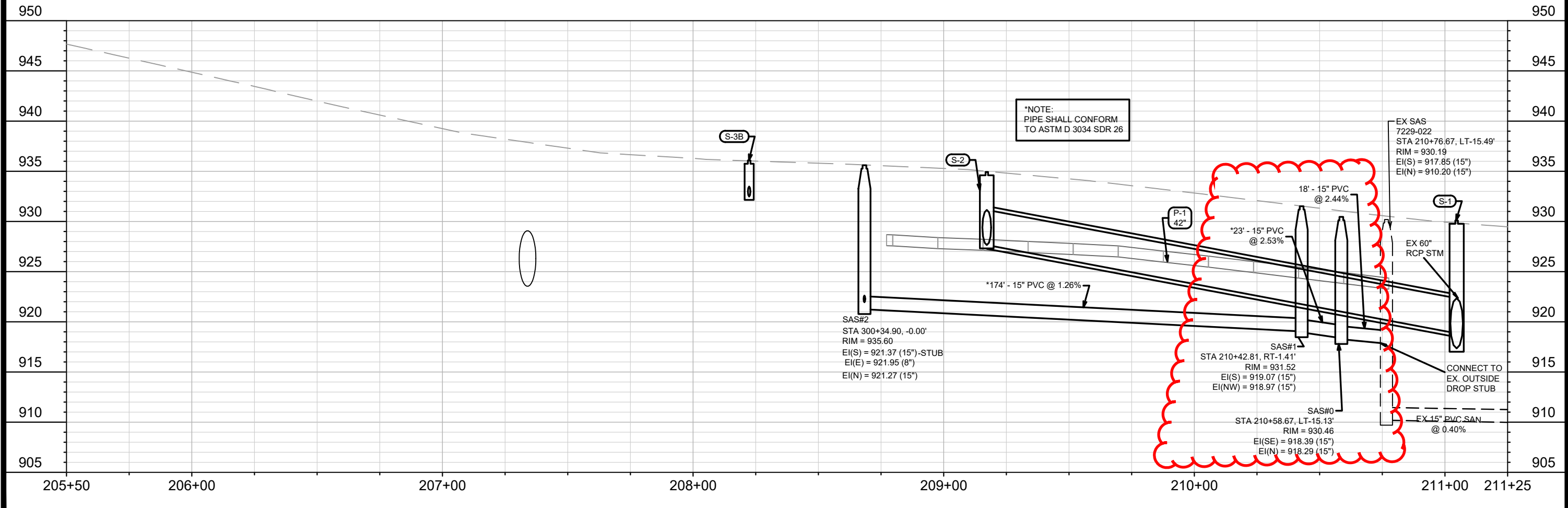


Revised 8/26/2024 - EEA

- Added SAS#0 to align connection with existing stub.
- Moved SAS#1
- Corrected stub type



INSTALL SIDEWALK FLUME PER SDD 5.4.7 & 5.4.8 DRAIN TOWARDS DITCH. INSTALL HEAVY RIPRAP OVER GEOTEXTILE FABRIC TYPE HR



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

EX SAS 7229-022  
STA 210+76.67, LT-15.49'  
RIM = 930.19  
EI(S) = 917.85 (15")  
EI(N) = 910.20 (15")

SAS#2  
STA 300+34.90, -0.00'  
RIM = 935.60  
EI(S) = 921.37 (15")-STUB  
EI(E) = 921.95 (8")  
EI(N) = 921.27 (15")

SAS#1  
STA 210+42.81, RT-1.41'  
RIM = 931.52  
EI(S) = 919.07 (15")  
EI(NW) = 918.97 (15")

SAS#0  
STA 210+58.67, LT-15.13'  
RIM = 930.46  
EI(SE) = 918.39 (15")  
EI(N) = 918.29 (15")

MARK	REVISION	DATE	BY
14929	Designed By: EEA	Date: 8/26/2024 4:06 PM	U-1

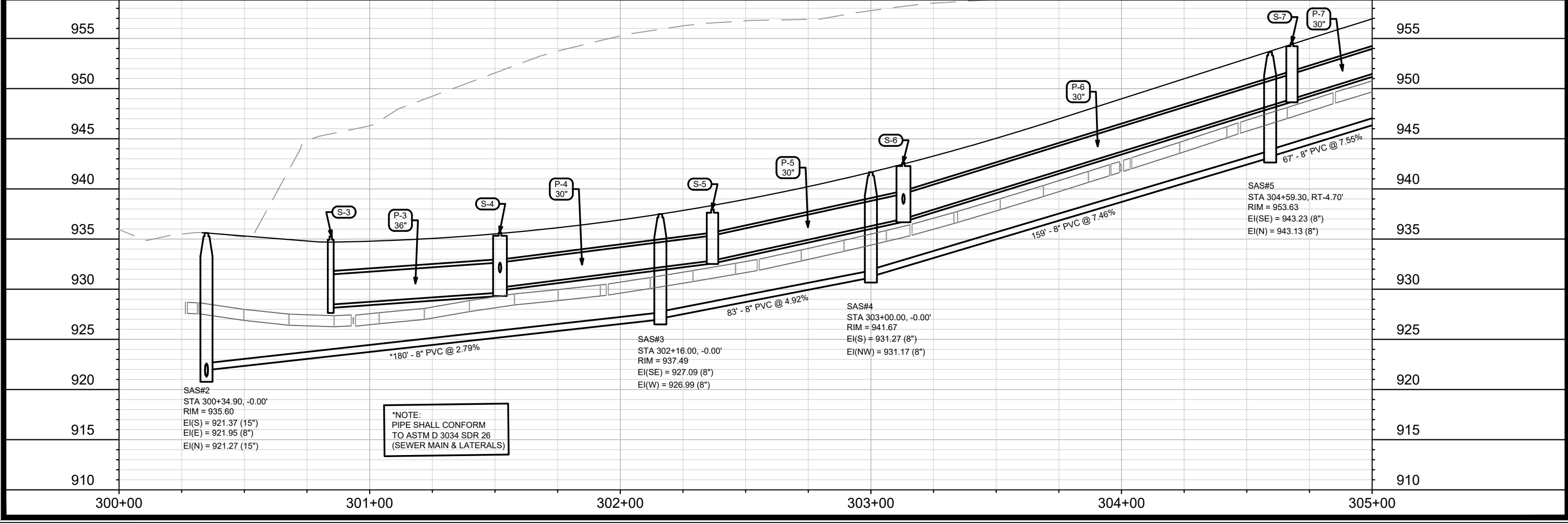
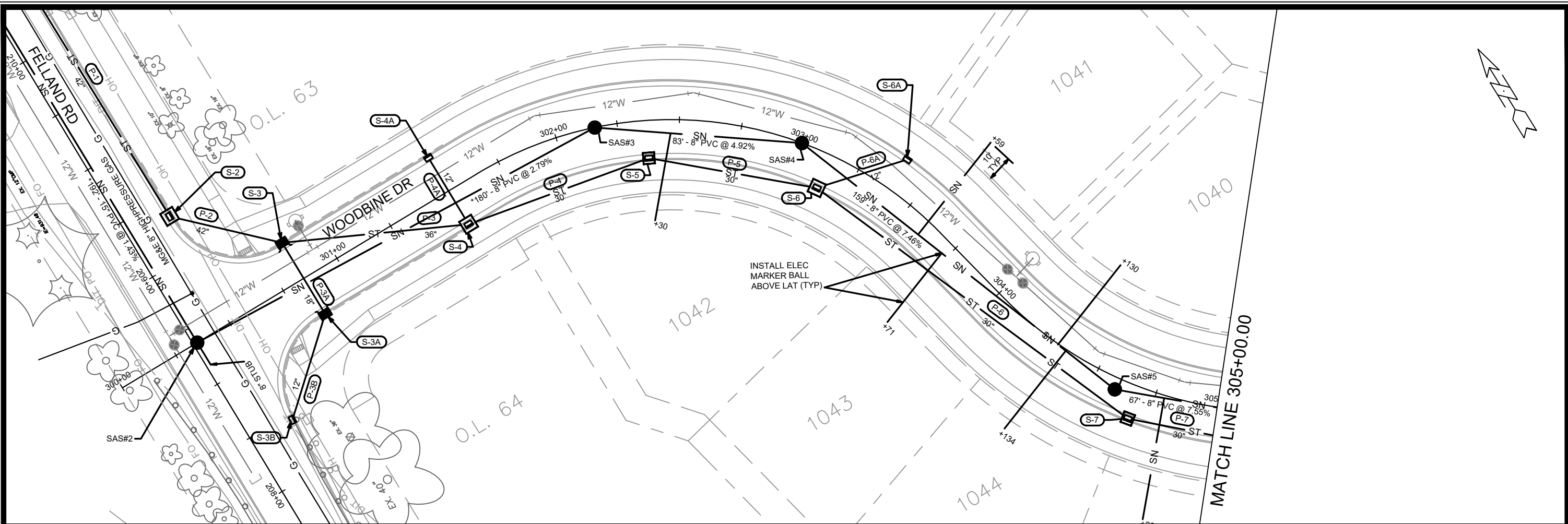
14929  
MADISON, WI  
CONTRACT NO: 9378

FELLAND ROAD - UTILITIES PLAN & PROFILE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Sewers\14929SWR-PipeNetwork.dwg



14929  
U-1





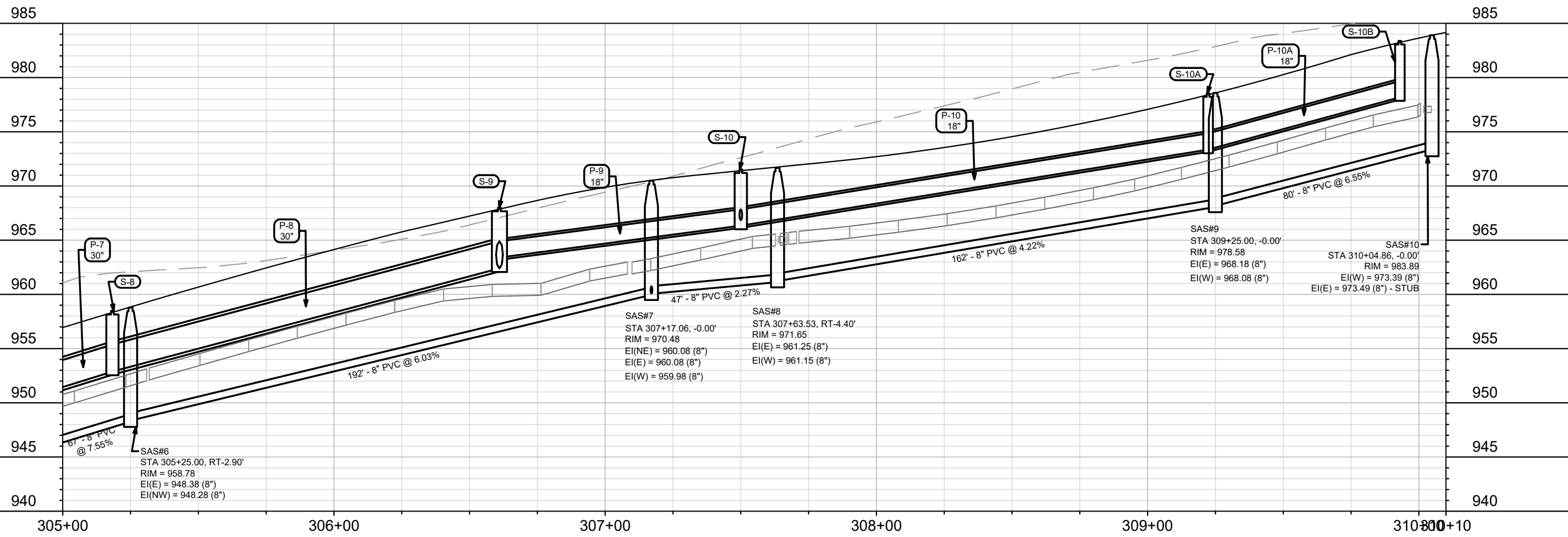
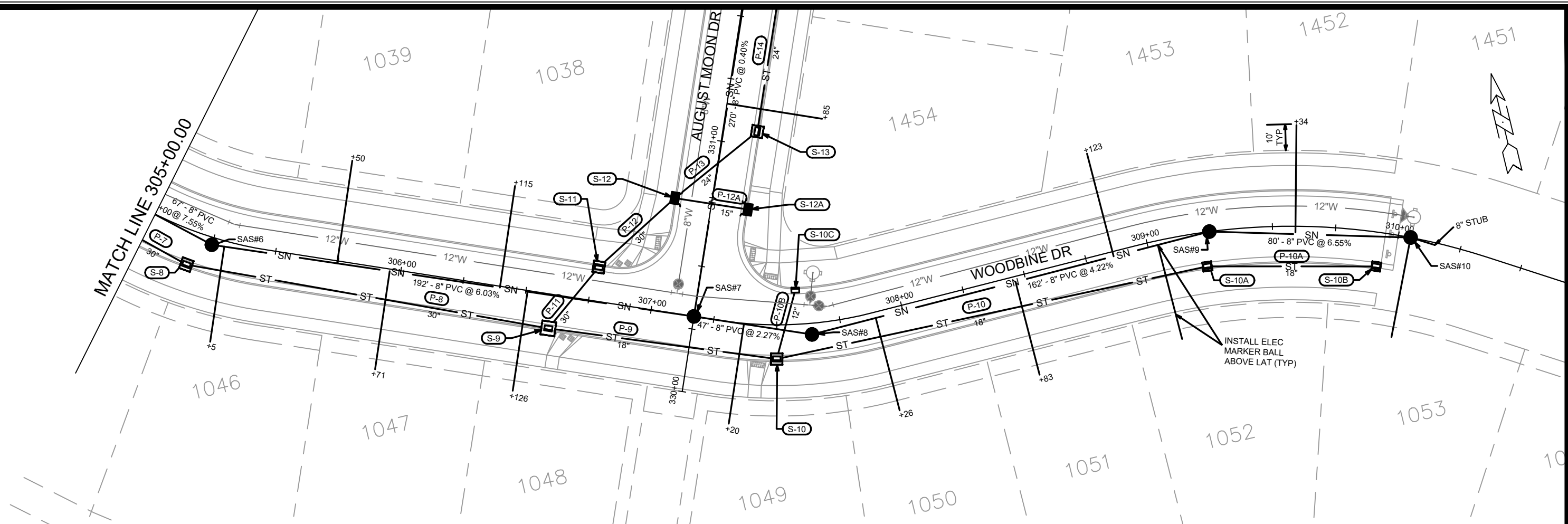
MARK	REVISION	DATE	BY

14929  
MADISON, WI  
9378  
CONTRACT NO:

WOODBINE DRIVE - UTILITIES PLAN & PROFILE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Sewers\14929SWR-PipeNetwork.dwg



14929  
U-2



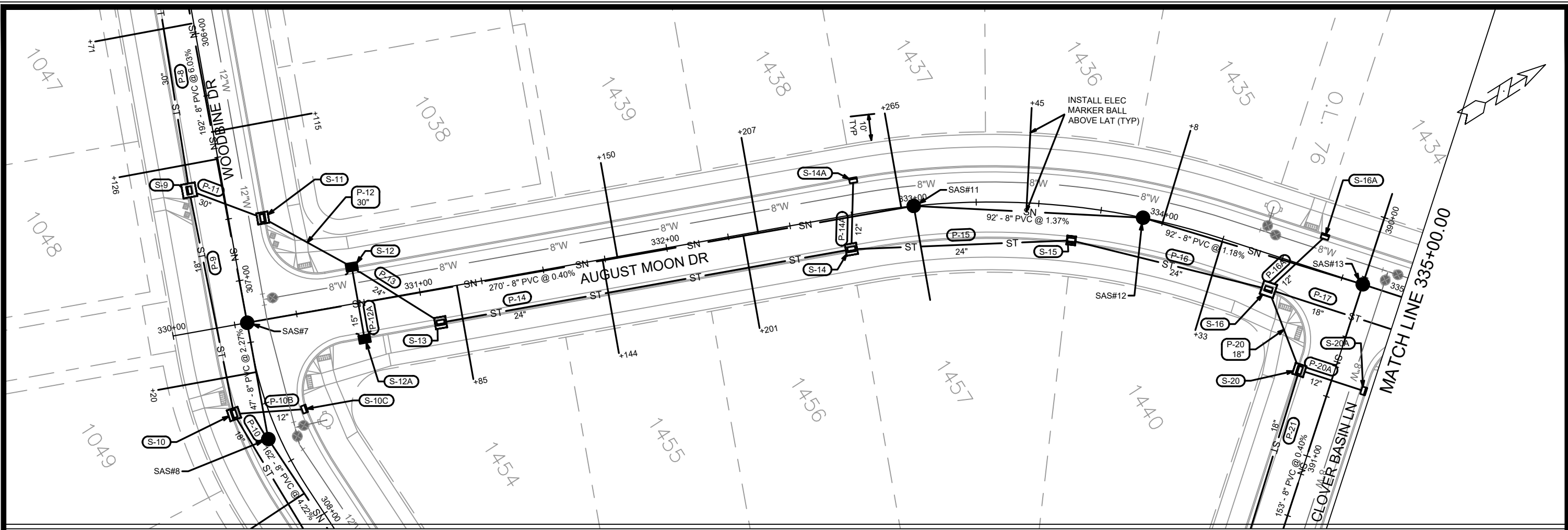
MARK	REVISION	DATE	BY
U-3	14929	06/20/24	10:18 AM

14929  
MADISON, WI  
CONTRACT NO: 9378

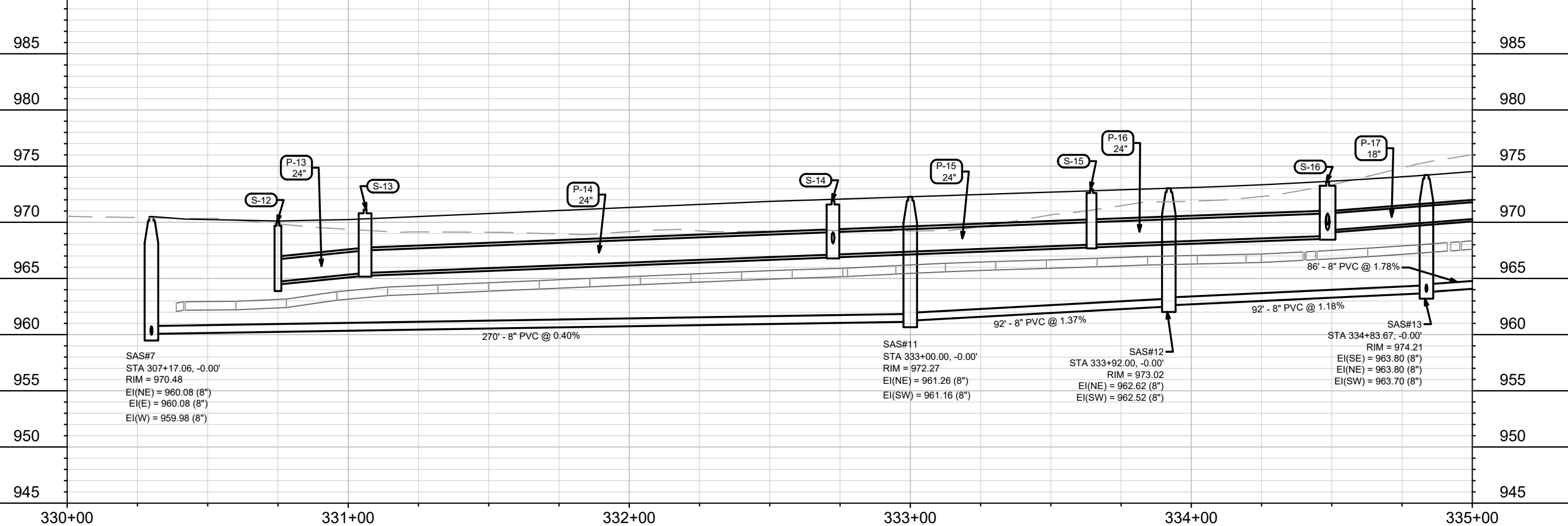
WOODBINE DRIVE - UTILITIES PLAN & PROFILE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Sewers\14929SWR-PipeNetwork.dwg



14929  
U-3



990 990



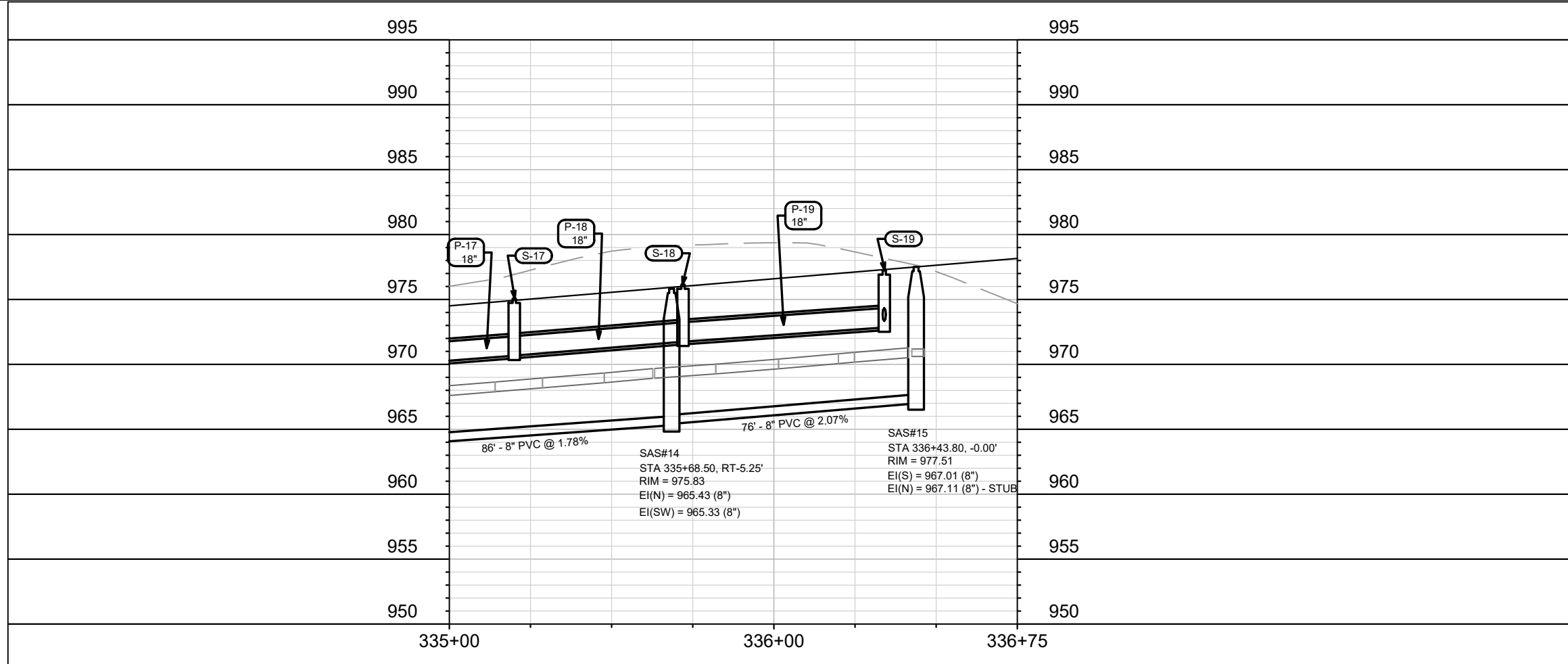
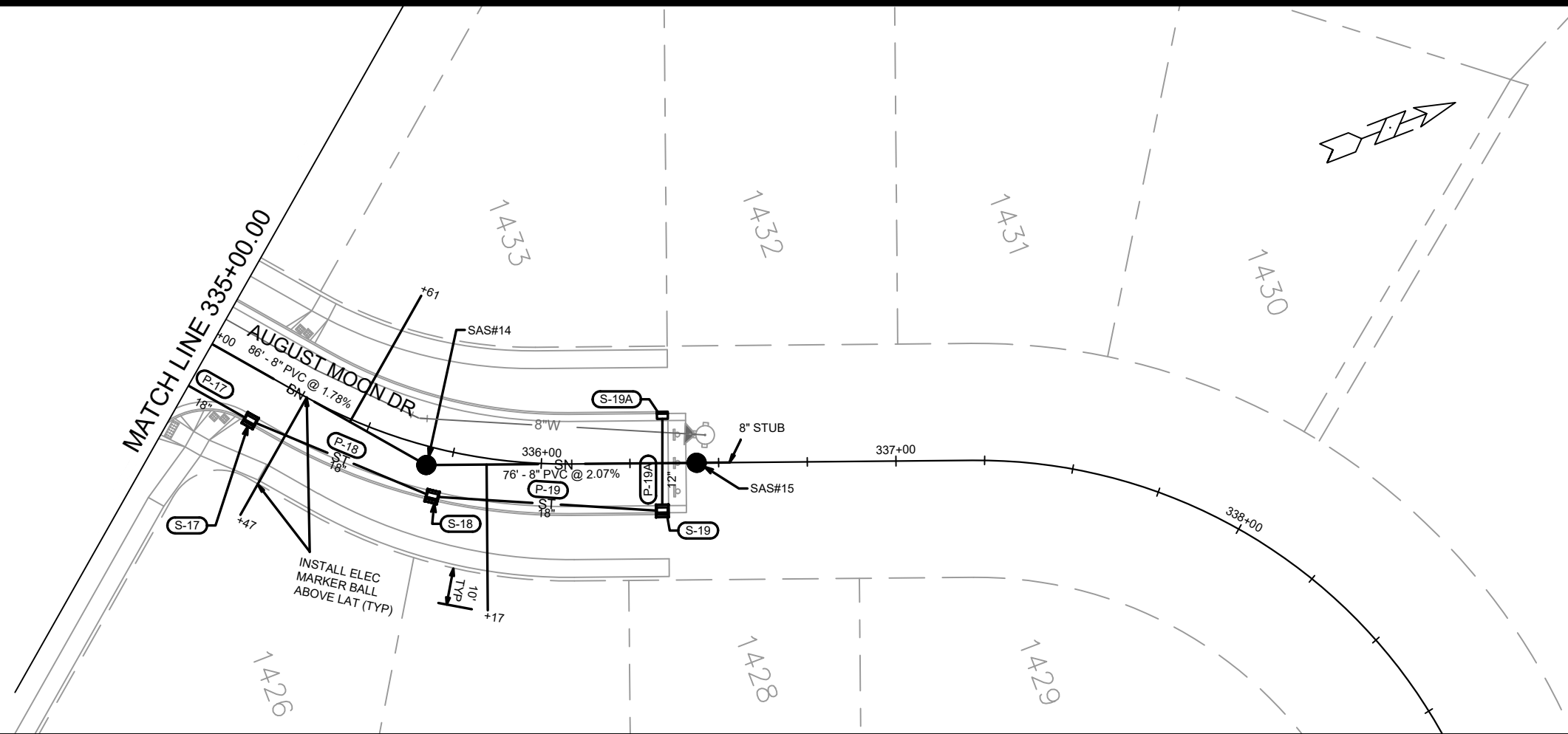
DATE	BY
REVISION	
MARK	Scale: 1" = 40'
Designed By: EEA	Date: 8/2/2024 10:43 AM
14929	U-4

14929  
MADISON, WI  
9378  
CONTRACT NO:

AUGUST MOON DRIVE - UTILITIES PLAN & PROFILE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Sewers\14929SWR-PipeNetwork.dwg



14929  
U-4



MARK	REVISION	DATE	BY
14929	Designed By: EEA	Date: 8/2/2024 10:24 AM	Scale: 1" = 40'

14929  
 MADISON, WI  
 CONTRACT NO: 9378

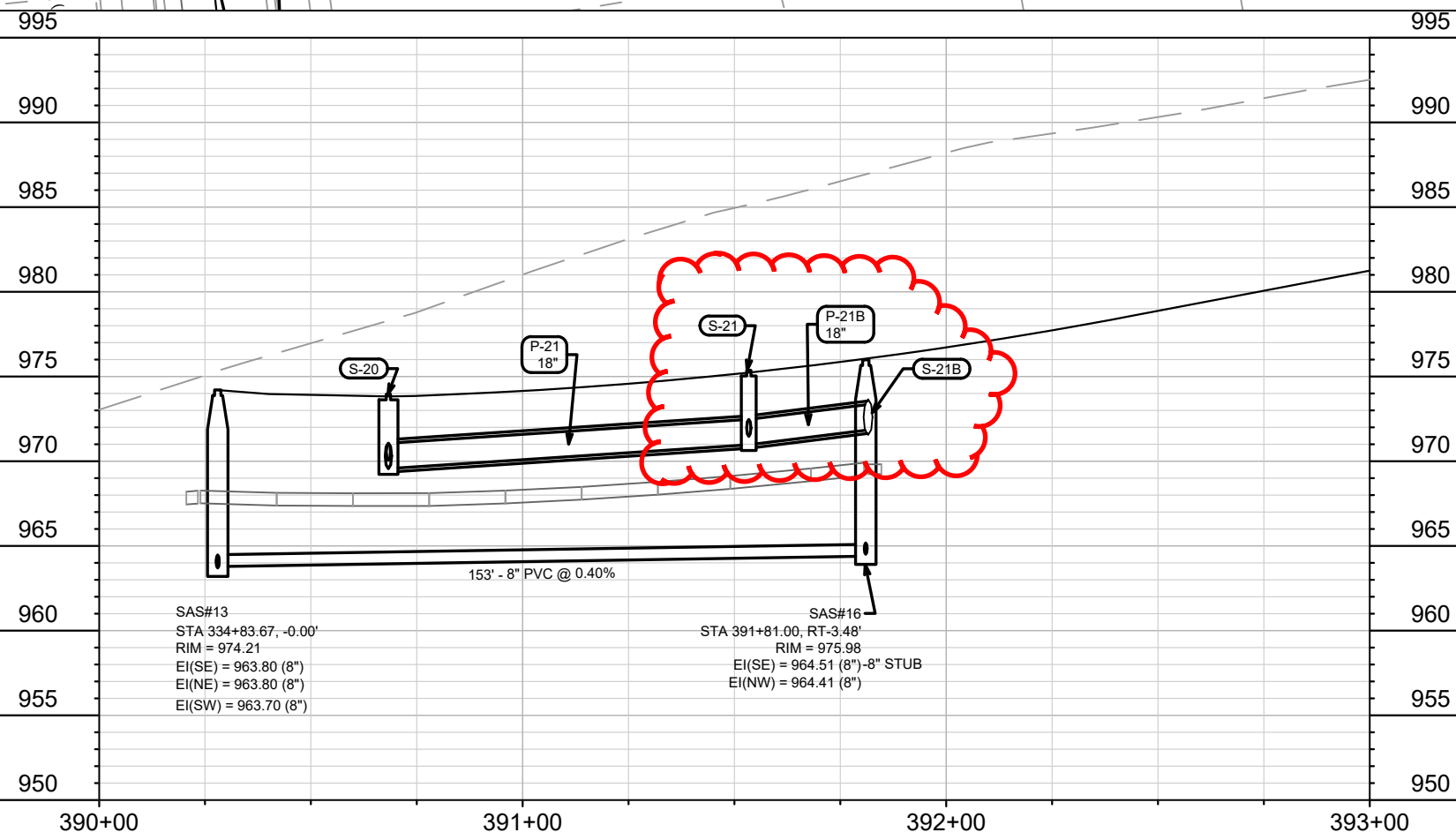
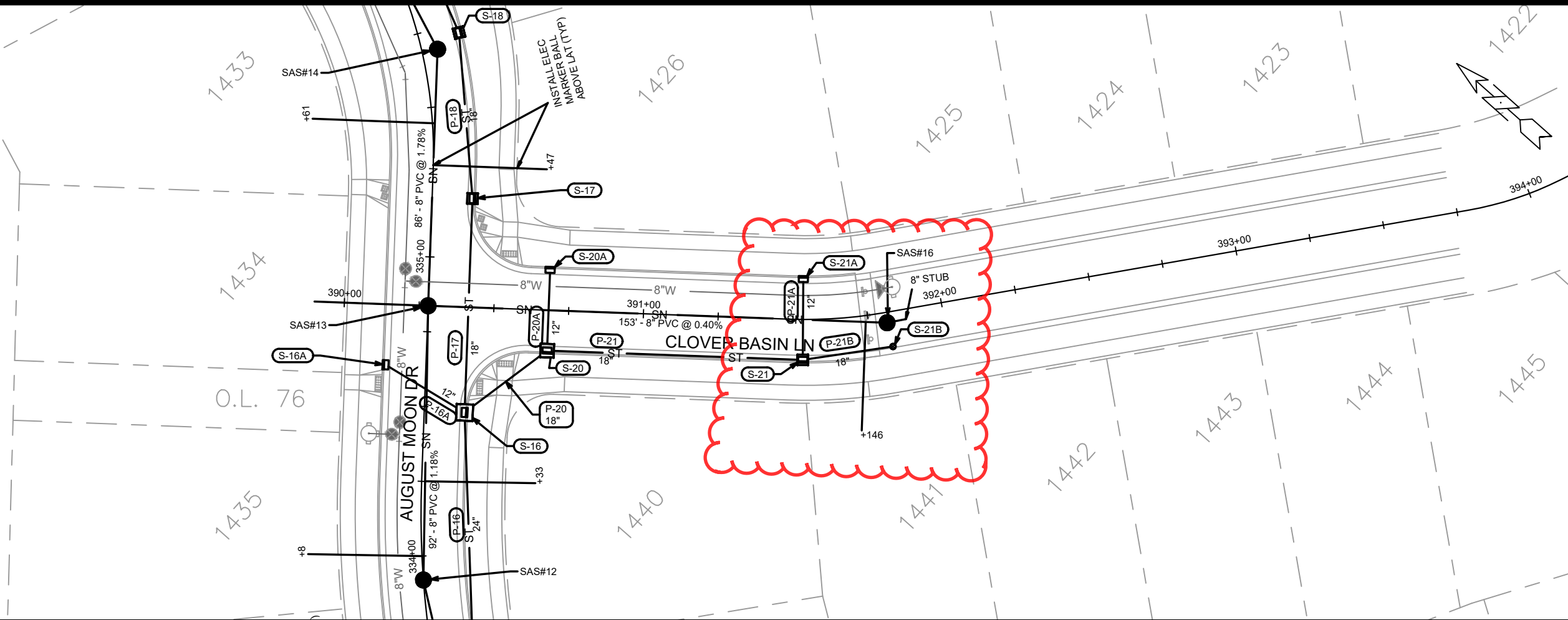
AUGUST MOON DRIVE - UTILITIES PLAN & PROFILE  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Severs\14929SWR-PipeNetwork.dwg



14929  
 U-5

Revised 8/26/2024 - EEA

-Moved S-21 & S-21A to accommodate sanitary lateral to Lot 1441.  
 -Added pipe P-21B and pipe plug S-21B for future storm.



SAS#13  
 STA 334+83.67, -0.00'  
 RIM = 974.21  
 EI(SE) = 963.80 (8")  
 EI(NE) = 963.80 (8")  
 EI(SW) = 963.70 (8")

SAS#16  
 STA 391+81.00, RT-3.48'  
 RIM = 975.98  
 EI(SE) = 964.51 (8")-8" STUB  
 EI(NW) = 964.41 (8")

MARK	REVISION	DATE	BY
14929	U-6	8/26/2024	EEA

14929  
 MADISON, WI  
 CONTRACT NO: 9378

CLOVER BASIN LANE - UTILITIES PLAN & PROFILE  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Sewers\14929SWR-PipeNetwork.dwg



14929  
 U-6

# SANITARY SEWER SCHEDULE

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
<b>FELLAND RD</b>						
* SAS#0	210+58.67	LT-15.13	930.46	918.29	12.17	OFFSET CONE
* SAS#1	210+42.81	RT-1.41	931.52	918.97	12.55	-
<b>WOODBINE DR</b>						
SAS#2	300+34.90	CL	935.60	921.27	14.33	-
SAS#3	302+16.00	CL	937.49	926.99	10.50	-
SAS#4	303+00.00	CL	941.67	931.17	10.50	-
SAS#5	304+59.30	RT-4.70	953.63	943.13	10.50	-
SAS#6	305+25.00	RT-2.90	958.78	948.28	10.50	-
SAS#7	307+17.06	CL	970.48	959.98	10.50	-
SAS#8	307+63.53	RT-4.40	971.65	961.15	10.50	-
SAS#9	309+25.00	CL	978.58	968.08	10.50	-
SAS#10	310+04.86	CL	983.89	973.39	10.50	-
<b>AUGUST MOON DR</b>						
SAS#11	333+00.00	CL	972.27	961.16	11.11	-
SAS#12	333+92.00	CL	973.02	962.52	10.50	-
SAS#13	334+83.67	CL	974.21	963.70	10.51	-
SAS#14	335+68.50	RT-5.25	975.83	965.33	10.50	-
SAS#15	336+43.80	CL	977.51	967.01	10.50	-
<b>CLOVER BASIN LN</b>						
SAS#16	391+81.00	RT-3.48	975.98	964.41	11.57	-

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
<b>FELLAND RD</b>								
* EX SAS 7229-022	SAS#0	917.85	918.29	18	2.44%	15"	SDR-26	-
* SAS#0	SAS#1	918.39	918.97	23	2.53%	15"	SDR-26	-
* SAS#1	SAS#2	919.07	921.27	174	1.26%	15"	SDR-26	-
<b>WOODBINE DR</b>								
SAS#2	SAS#3	921.95	926.99	180	2.79%	8"	SDR-26	-
SAS#3	SAS#4	927.09	931.17	83	4.92%	8"	SDR-35	-
SAS#4	SAS#5	931.27	943.13	159	7.46%	8"	SDR-35	-
SAS#5	SAS#6	943.23	948.28	67	7.55%	8"	SDR-35	-
SAS#6	SAS#7	948.38	959.98	192	6.03%	8"	SDR-35	-
SAS#7	SAS#8	960.08	961.15	47	2.27%	8"	SDR-35	-
SAS#8	SAS#9	961.25	968.08	162	4.22%	8"	SDR-35	-
SAS#9	SAS#10	968.18	973.39	80	6.55%	8"	SDR-35	-
<b>AUGUST MOON DR</b>								
SAS#7	SAS#11	960.08	961.16	270	0.40%	8"	SDR-35	-
SAS#11	SAS#12	961.26	962.52	92	1.37%	8"	SDR-35	-
SAS#12	SAS#13	962.62	963.70	92	1.18%	8"	SDR-35	-
SAS#13	SAS#14	963.80	965.33	86	1.78%	8"	SDR-35	-
SAS#14	SAS#15	965.43	967.01	76	2.07%	8"	SDR-35	-
<b>CLOVER BASIN LN</b>								
SAS#13	SAS#16	963.80	964.41	153	0.40%	8"	SDR-35	-

### NOTES:

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

# STORM SEWER SCHEDULE

\* REVISED 8/26/2024 EEA

VILLAGE AT AUTUMN LAKE PHASE 15	SHEET NO.
PROJECT NO. 14929	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>FELLAND ROAD</b>							
S-1	211+04.67	RT-17.09	6X6 SAS	930.10	917.35	12.75	W/ R-3067-7004-V
S-2	209+17.20	RT-18.36	5X5 SAS	934.93	927.65	7.28	W/ R-3067-7004-V
S-3B	208+22.38	RT-18.36	H INLET	936.08	932.48	3.60	W/ R-3067-7004-V
<b>WOODBINE DRIVE</b>							
S-3	300+84.48	LT-16.50	TERRACE INLET TYPE 5	934.59	927.97	6.62	LP; PER S.D.D. 5.7.12D
S-3A	300+84.48	RT-16.50	TERRACE INLET TYPE 3	934.59	930.19	4.40	LP; PER S.D.D. 5.7.12B
S-4	301+52.00	RT-15.50	5X5 SAS	935.66	929.66	6.00	W/ R-3067-7004-V
S-4A	301+52.00	LT-15.50	H INLET	935.66	932.06	3.60	W/ R-3067-7004-V
S-5	302+36.80	RT-15.07	4X4 SAS	938.45	932.85	5.60	W/ R-3067-7004-V
S-6	303+13.00	RT-14.25	5X5 SAS	942.61	937.01	5.60	W/ R-3067-7004-V
S-6A	303+38.63	LT-13.87	H INLET	944.35	940.75	3.60	W/ R-3067-7004-V
S-7	304+68.00	RT-13.50	4X4 SAS	954.56	948.96	5.60	W/ R-3067-7004-V
S-8	305+18.30	RT-13.50	4X4 SAS	958.48	952.88	5.60	W/ R-3067-7004-V
S-9	306+61.00	RT-13.50	5X5 SAS	968.00	962.40	5.60	W/ R-3067-7004-V
S-10	307+50.00	RT-13.50	4X4 SAS	971.54	966.34	5.20	W/ R-3067-7004-V
S-10A	309+22.30	RT-13.50	3X3 SAS	978.55	973.35	5.20	W/ R-3067-7004-V
S-10B	309+93.00	RT-13.50	3X3 SAS	983.38	978.18	5.20	W/ R-3067-7004-V
S-10C	307+58.00	LT-13.50	H INLET	971.75	968.15	3.60	W/ R-3067-7004-V
S-11	306+77.00	LT-13.50	4X4 SAS	968.64	963.04	5.60	W/ R-3067-7004-V
<b>AUGUST MOON DRIVE</b>							
S-12	330+75.00	LT-14.60	TERRACE INLET TYPE 5	969.81	964.21	5.60	LP; PER S.D.D. 5.7.12D
S-12A	330+75.00	RT-14.60	TERRACE INLET TYPE 3	970.77	966.11	4.66	LP; PER S.D.D. 5.7.12B
S-13	331+06.00	RT-13.50	4X4 SAS	971.13	965.49	5.64	W/ R-3067-7004-V
S-14	332+72.50	RT-13.50	4X4 SAS	972.18	967.12	5.06	W/ R-3067-7004-V
S-14A	332+78.00	LT-13.50	H INLET	972.23	968.63	3.60	W/ R-3067-7004-V
S-15	333+64.50	RT-13.50	3X3 SAS	972.94	968.01	4.93	W/ R-3067-7004-V
S-16	334+48.50	RT-13.50	5X5 SAS	973.78	968.78	5.00	W/ R-3067-7004-V
S-16A	334+63.45	LT-13.50	H INLET	974.00	970.40	3.60	W/ R-3067-7004-V
S-17	335+20.00	RT-13.50	3X3 SAS	975.07	970.67	4.40	W/ R-3067-7004-V
S-18	335+72.00	RT-13.50	3X3 SAS	976.15	971.75	4.40	W/ R-3067-7004-V
S-19	336+34.00	RT-13.50	3X3 SAS	977.45	972.84	4.61	W/ R-3067-7004-V
S-19A	336+34.25	LT-13.50	H INLET	977.45	973.85	3.60	W/ R-3067-7004-V
<b>CLOVER BASIN LANE</b>							
S-20	390+68.30	RT-13.50	4X4 SAS	973.96	969.56	4.40	LP; W/ R-3067-7004-VB
S-20A	390+68.30	LT-13.50	H INLET	974.44	970.96	3.48	LP; W/ R-3067-7004-VB
* S-21	<b>391+53.38</b>	RT-13.50	3X3 SAS	<b>975.37</b>	<b>970.97</b>	4.40	W/ R-3067-7004-V
* S-21A	<b>391+53.38</b>	LT-13.50	H INLET	<b>975.60</b>	<b>972.00</b>	3.60	W/ R-3067-7004-V
* S-21B	<b>391+81.55</b>	RT-11.64	PIPE PLUG	-	<b>971.85</b>	-	-

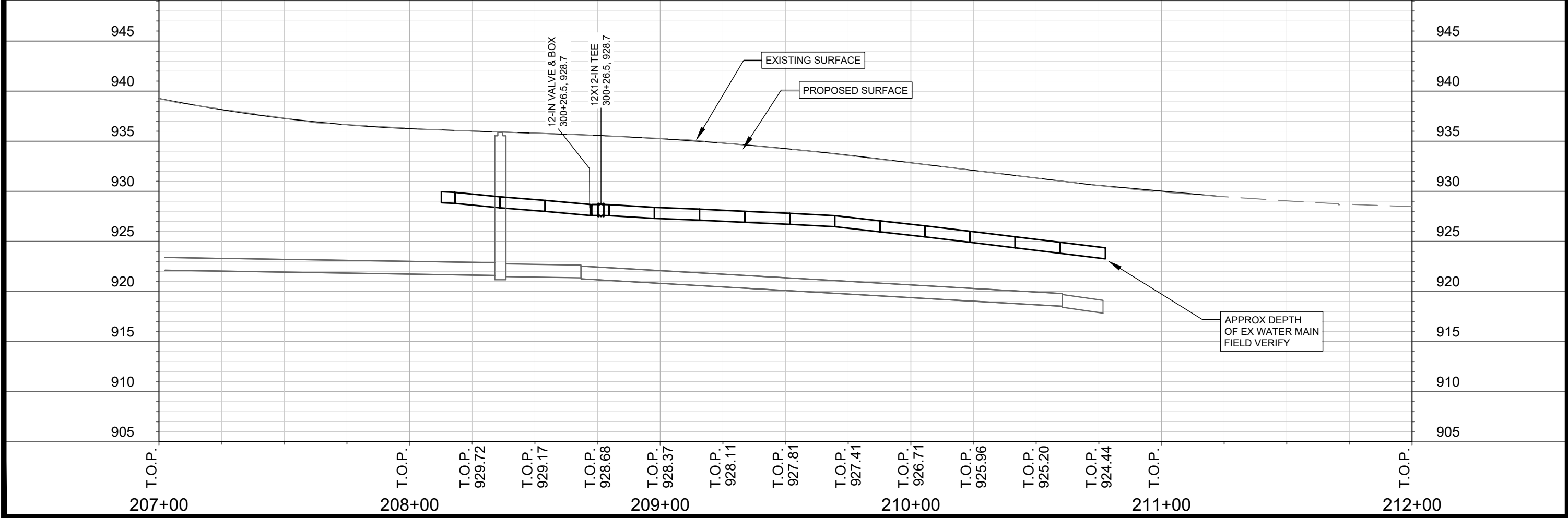
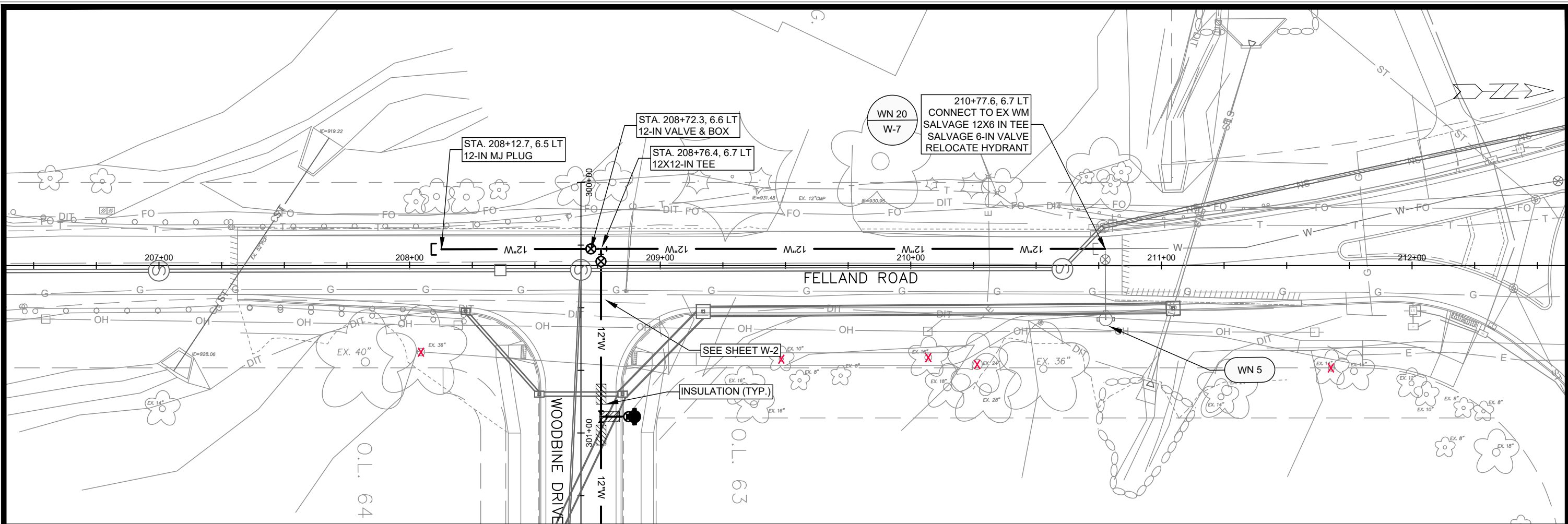
## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>FELLAND ROAD</b>										
P-1	S-1	S-2	918.85	927.65	188	183	4.81%	42"	TYPE I	-
P-2	S-2	S-3	927.65	927.97	47	40	0.80%	42"	TYPE I	-
P-3B	S-3A	S-3B	930.69	932.48	45	41	4.37%	12"	TYPE II	-
<b>WOODBINE DRIVE</b>										
P-3	S-3	S-4	928.47	929.66	74	69	1.72%	36"	TYPE I	-
P-3A	S-3	S-3A	929.97	930.19	31	27	0.81%	18"	TYPE I	-
P-4	S-4	S-5	930.16	932.85	77	72	3.74%	30"	TYPE II	-
P-4A	S-4	S-4A	931.66	932.06	31	28	1.43%	12"	TYPE I	-
P-5	S-5	S-6	932.85	937.01	68	64	6.50%	30"	TYPE II	-
P-6	S-6	S-7	937.01	948.96	155	150	7.97%	30"	TYPE I	-
P-6A	S-6	S-6A	938.51	940.75	38	33	6.79%	12"	TYPE I	-
P-7	S-7	S-8	948.96	952.88	55	51	7.69%	30"	TYPE II	-
P-8	S-8	S-9	952.88	962.40	145	141	6.75%	30"	TYPE II	-
P-9	S-9	S-10	963.40	966.34	91	87	3.38%	18"	TYPE II	-
P-10	S-10	S-10A	966.34	973.35	174	170	4.12%	18"	TYPE I	-
P-10A	S-10A	S-10B	973.35	978.18	67	64	7.55%	18"	TYPE II	-
P-10B	S-10	S-10C	966.84	968.15	28	25	5.24%	12"	TYPE I	-
P-11	S-9	S-11	962.40	963.04	31	26	2.46%	30"	TYPE I	-
<b>AUGUST MOON DRIVE</b>										
P-12	S-11	S-12	963.04	964.21	41	35	3.34%	30"	TYPE II	-
P-12A	S-12	S-12A	965.46	966.11	27	23	2.83%	15"	TYPE I	-
P-13	S-12	S-13	964.71	965.49	41	35	2.23%	24"	TYPE I	-
P-14	S-13	S-14	965.49	967.12	167	163	1.00%	24"	TYPE II	-
P-14A	S-14	S-14A	968.12	968.63	28	25	2.04%	12"	TYPE I	-
P-15	S-14	S-15	967.12	968.01	88	84	1.06%	24"	TYPE II	-
P-16	S-15	S-16	968.01	968.78	81	77	1.00%	24"	TYPE II	-
P-16A	S-16	S-16A	969.78	970.40	31	27	2.30%	12"	TYPE I	-
P-17	S-16	S-17	969.28	970.67	72	68	2.04%	18"	TYPE I	-
P-18	S-17	S-18	970.67	971.75	56	53	2.04%	18"	TYPE I	-
P-19	S-18	S-19	971.75	972.84	65	62	1.76%	18"	TYPE I	-
P-19A	S-19	S-19A	973.34	973.85	27	25	2.04%	12"	TYPE I	-
<b>CLOVER BASIN LANE</b>										
P-20	S-16	S-20	969.28	969.56	35	29	0.97%	18"	TYPE I	-
P-20A	S-20	S-20A	970.06	970.96	27	24	3.75%	12"	TYPE I	-
* P-21	S-20	S-21	969.56	<b>970.97</b>	<b>86</b>	<b>82</b>	<b>1.72%</b>	18"	TYPE II	-
* P-21A	S-21	S-21A	<b>971.47</b>	<b>972.00</b>	27	25	<b>2.12%</b>	12"	TYPE I	-
* P-21B	S-21	S-21B	<b>970.97</b>	<b>971.85</b>	<b>30</b>	<b>29</b>	<b>3.03%</b>	18"	TYPE I	-

## 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



MARK	REVISION	DATE	BY
14929	Designed By: EEA	Date: 6/6/2024 8:32 AM	Scale: #####

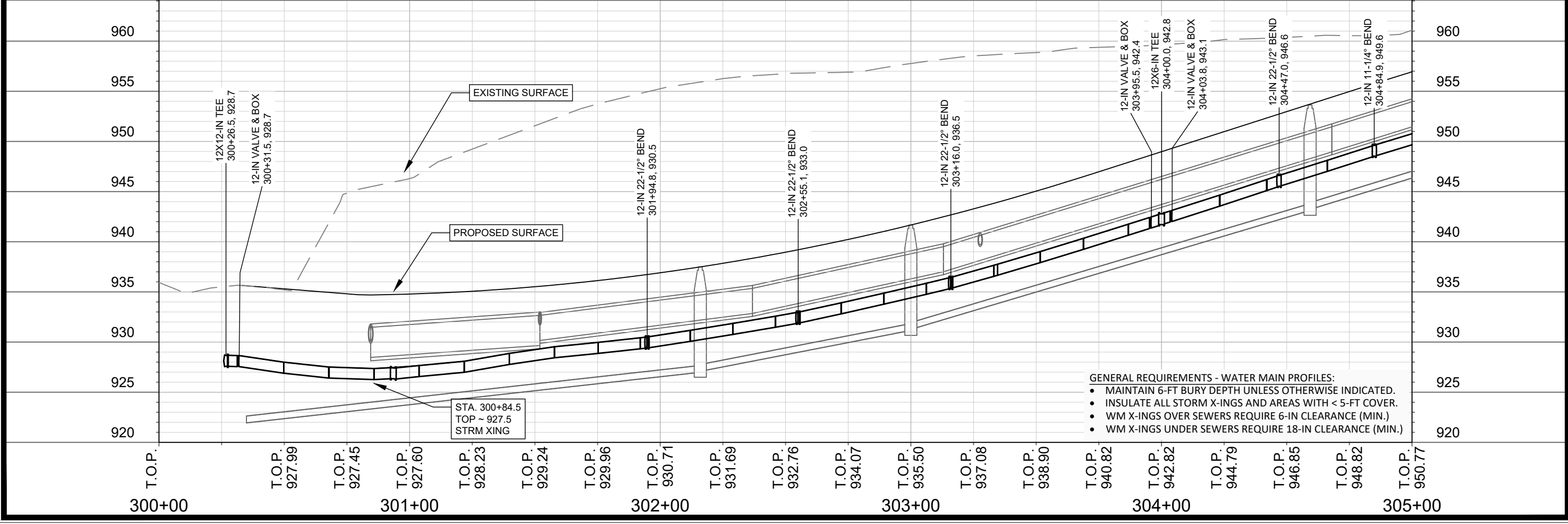
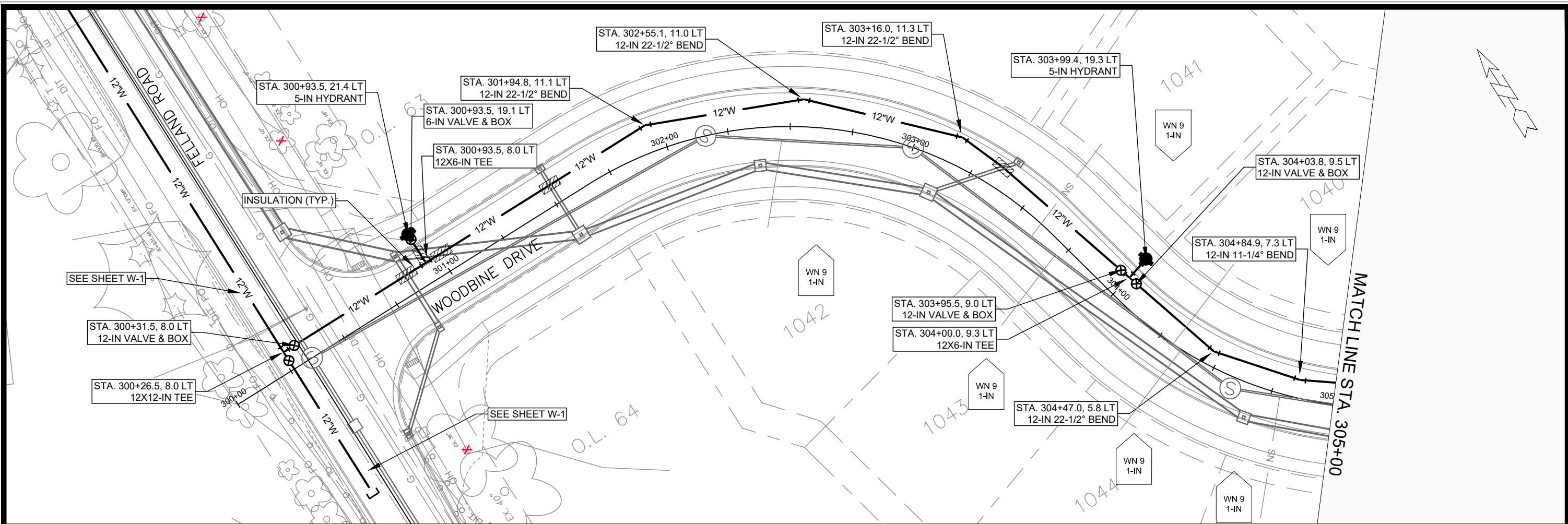
14929  
MADISON, WI  
CONTRACT NO: 9378

FELLAND ROAD - WATER PLAN AND PROFILE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Water\14929-WU-VAL 15.dwg



14929  
W-1

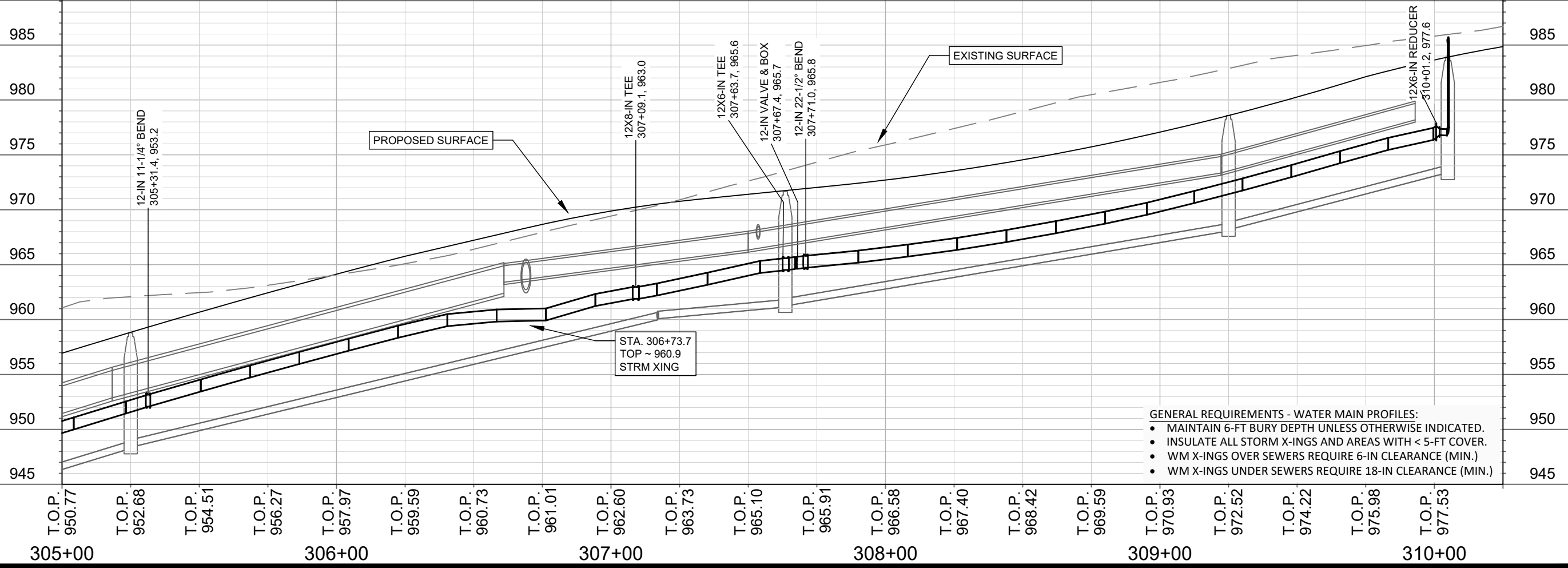
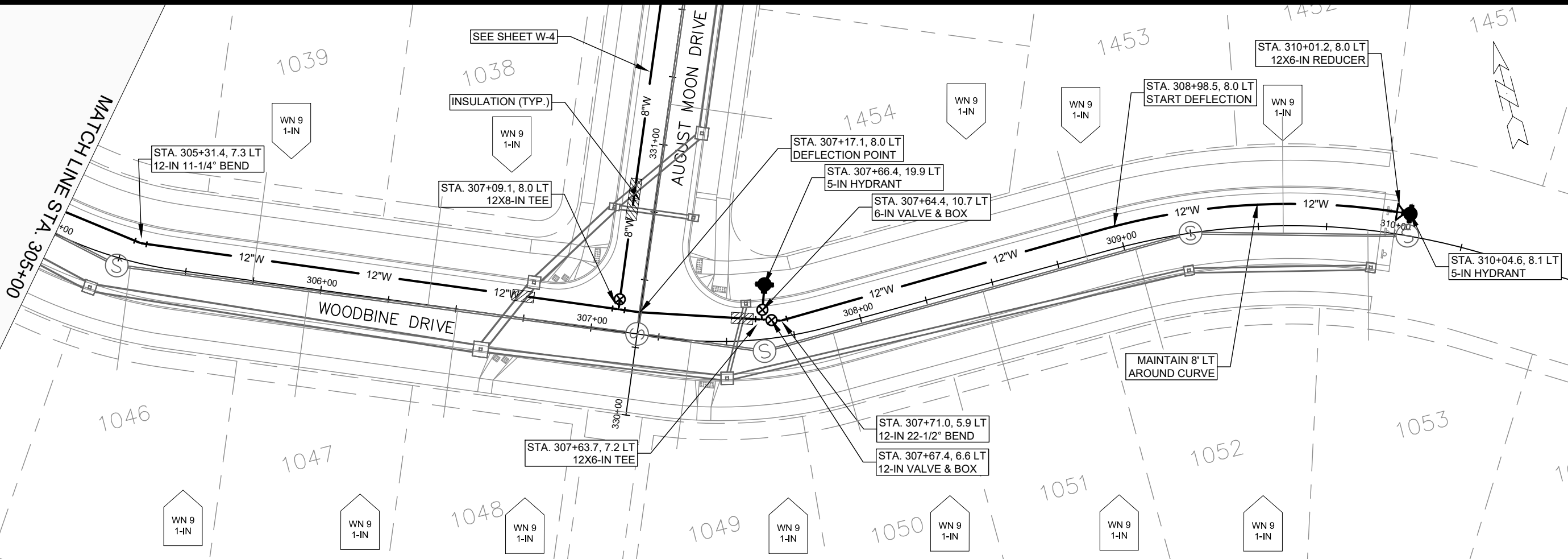




PROJECT NO.	14929
CITY	MADISON, WI
CONTRACT NO.	9378
DATE	8/6/2024 8:32 AM
DESIGNED BY	EEA
SCALE	#####
REVISION	
MARK	
BY	W-2

WOODBINE DRIVE - WATER PLAN AND PROFILE  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Water\14929-WU-VAL 15.dwg

14929  
W-2



- 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.)

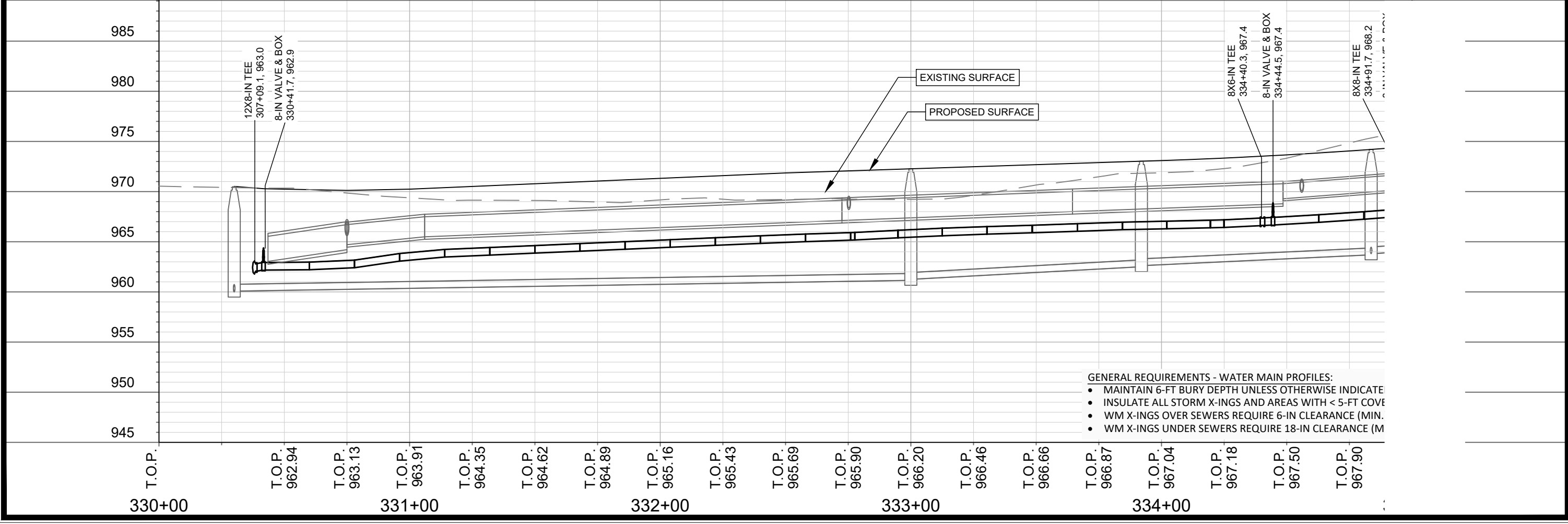
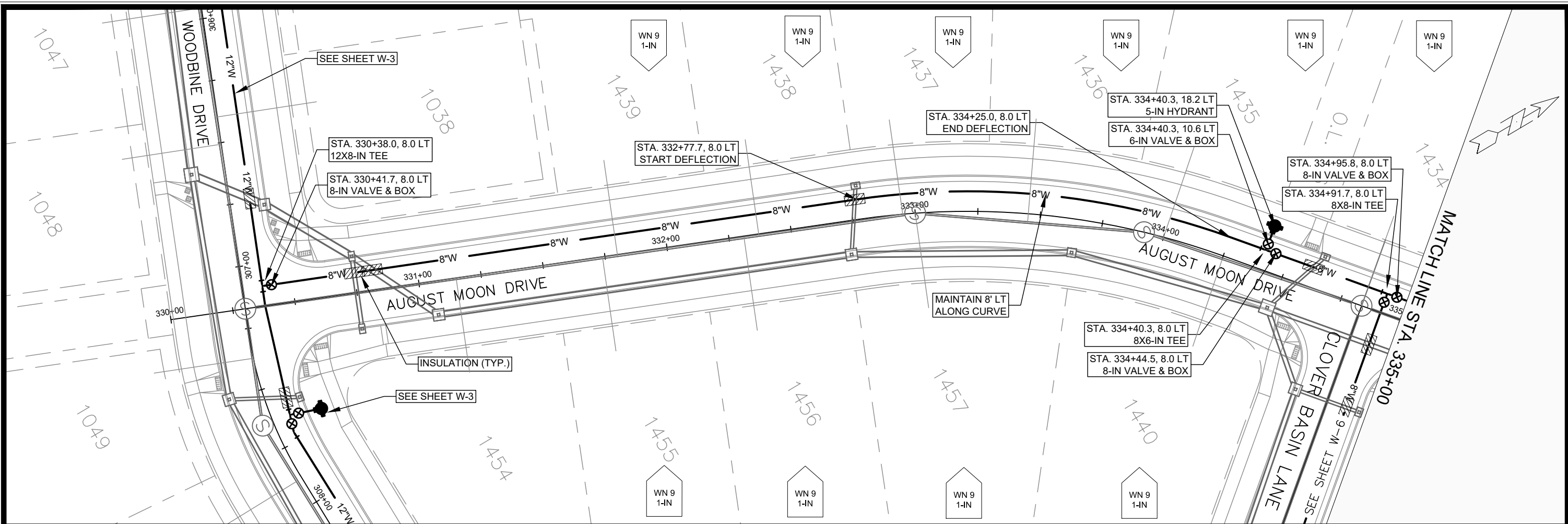
DATE	BY
REVISION	
MARK	
Designed By: EEA	Date: 6/6/2024 8:33 AM
Scale: #####	
14929	W-3

14929  
MADISON, WI  
CONTRACT NO: 9378

WOODBINE DRIVE - WATER PLAN AND PROFILE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Water\14929-WU-VAL 15.dwg



14929  
W-3



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

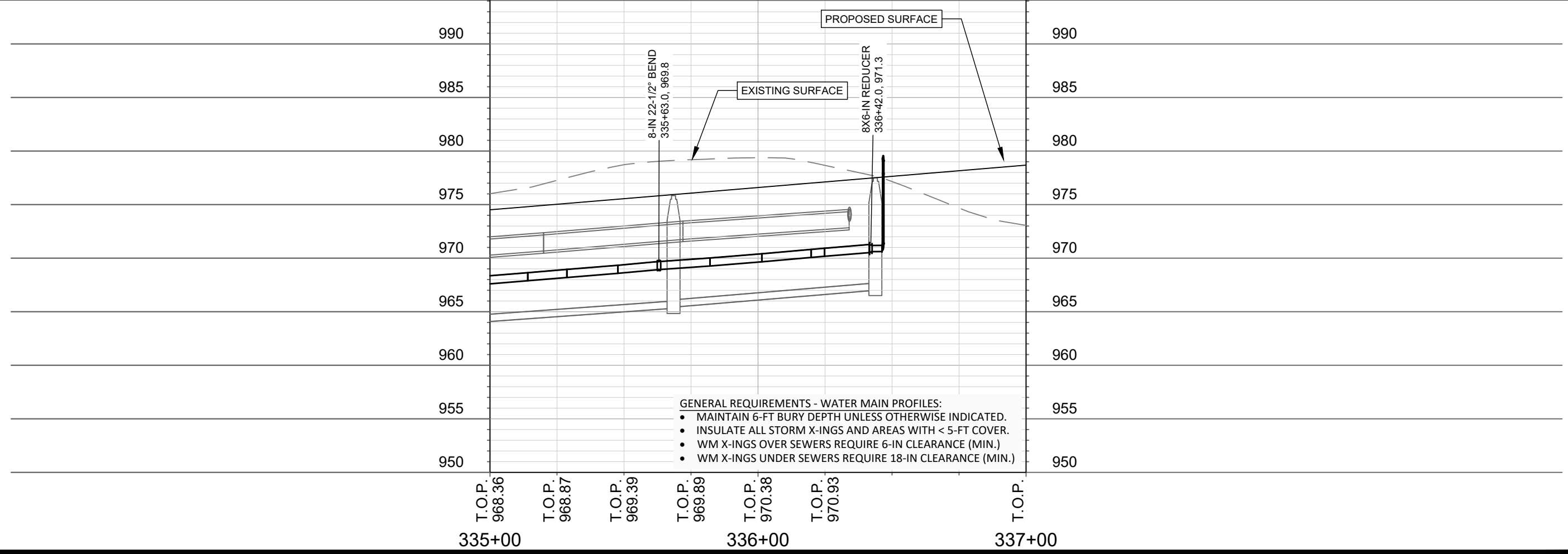
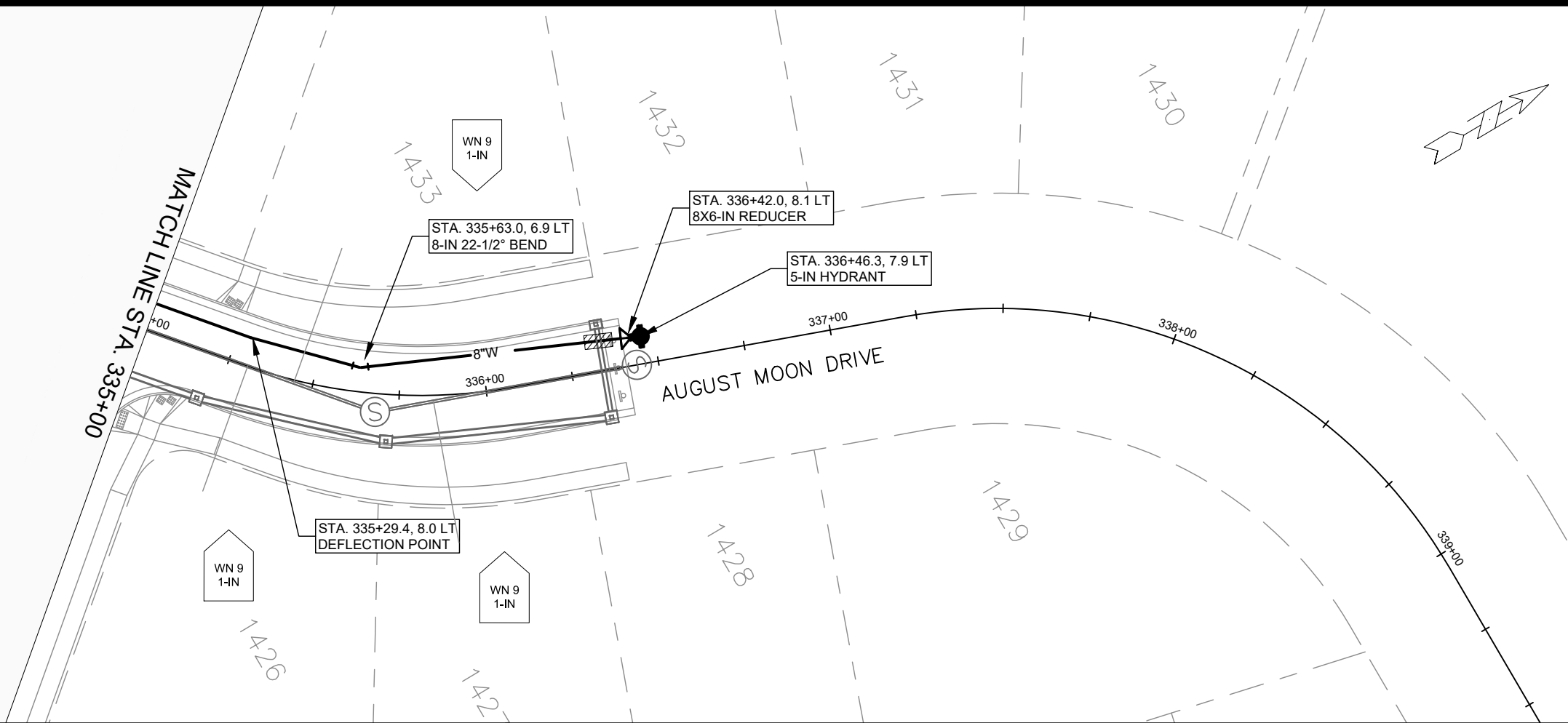
DATE	BY
REVISION	
MARK	
Designed By: EEA	Date: 6/6/2024 8:33 AM
14929	Scale: #####
14929	W-4

14929  
MADISON, WI  
9378  
CONTRACT NO:

AUGUST MOON DRIVE - WATER PLAN AND PROFILE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Water\14929-WU-VAL 15.dwg

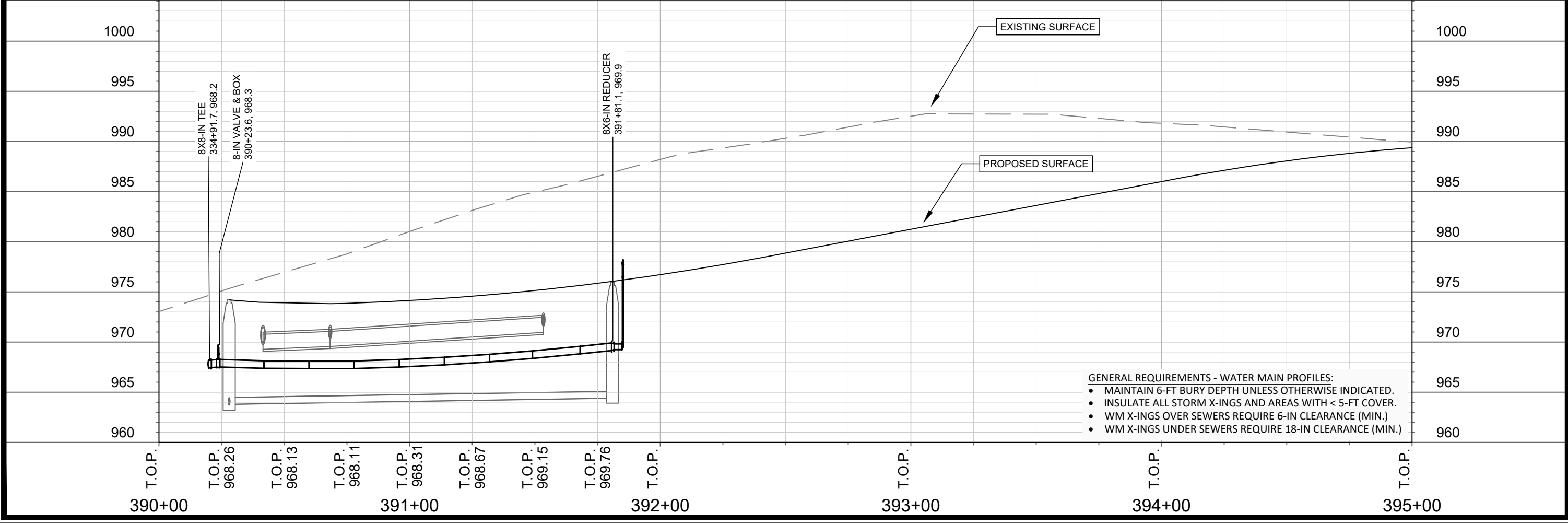
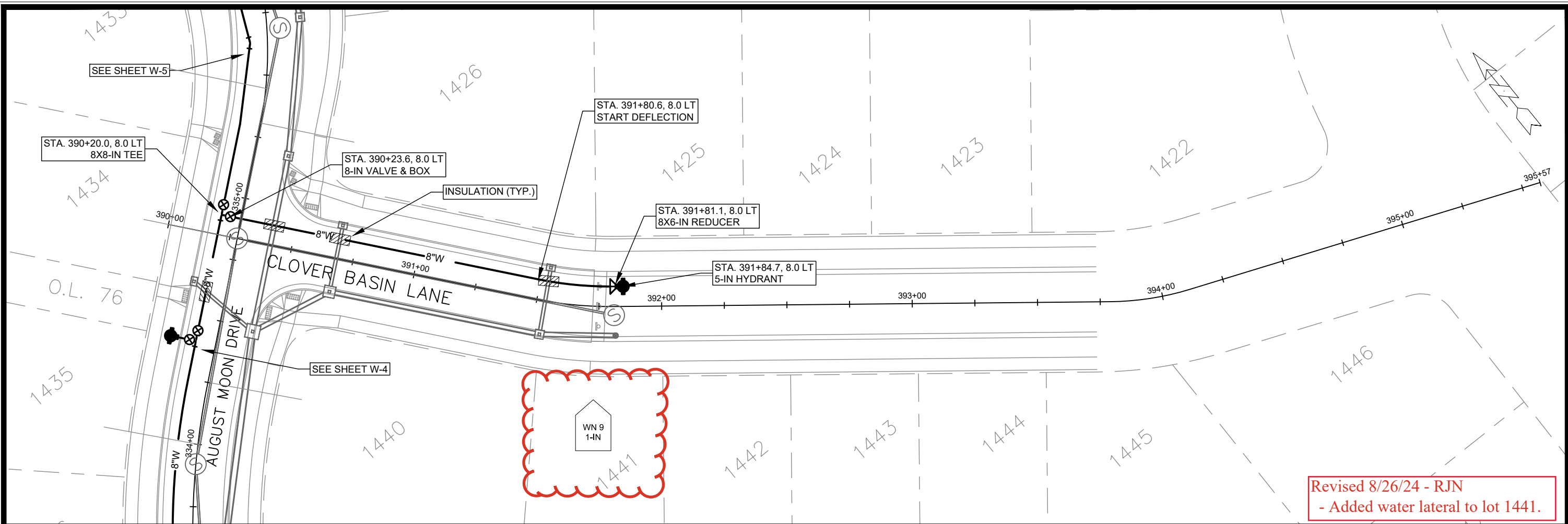


14929  
W-4



- 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.)

<b>14929</b> <b>W-5</b>	
<b>AUGUST MOON DRIVE - WATER PLAN AND PROFILE</b> <b>VILLAGE AT AUTUMN LAKE - PHASE 15</b>	
M:\DESIGN\Projects\14929\CAD\Water\14929-WU-VAL 15.dwg	
14929 MADISON, WI CONTRACT NO: 9378	W-5 Scale: ##### Date: 8/15/2024 8:33 AM REVISION MARK DESIGNED BY: EEA 14929



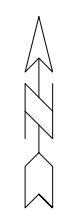
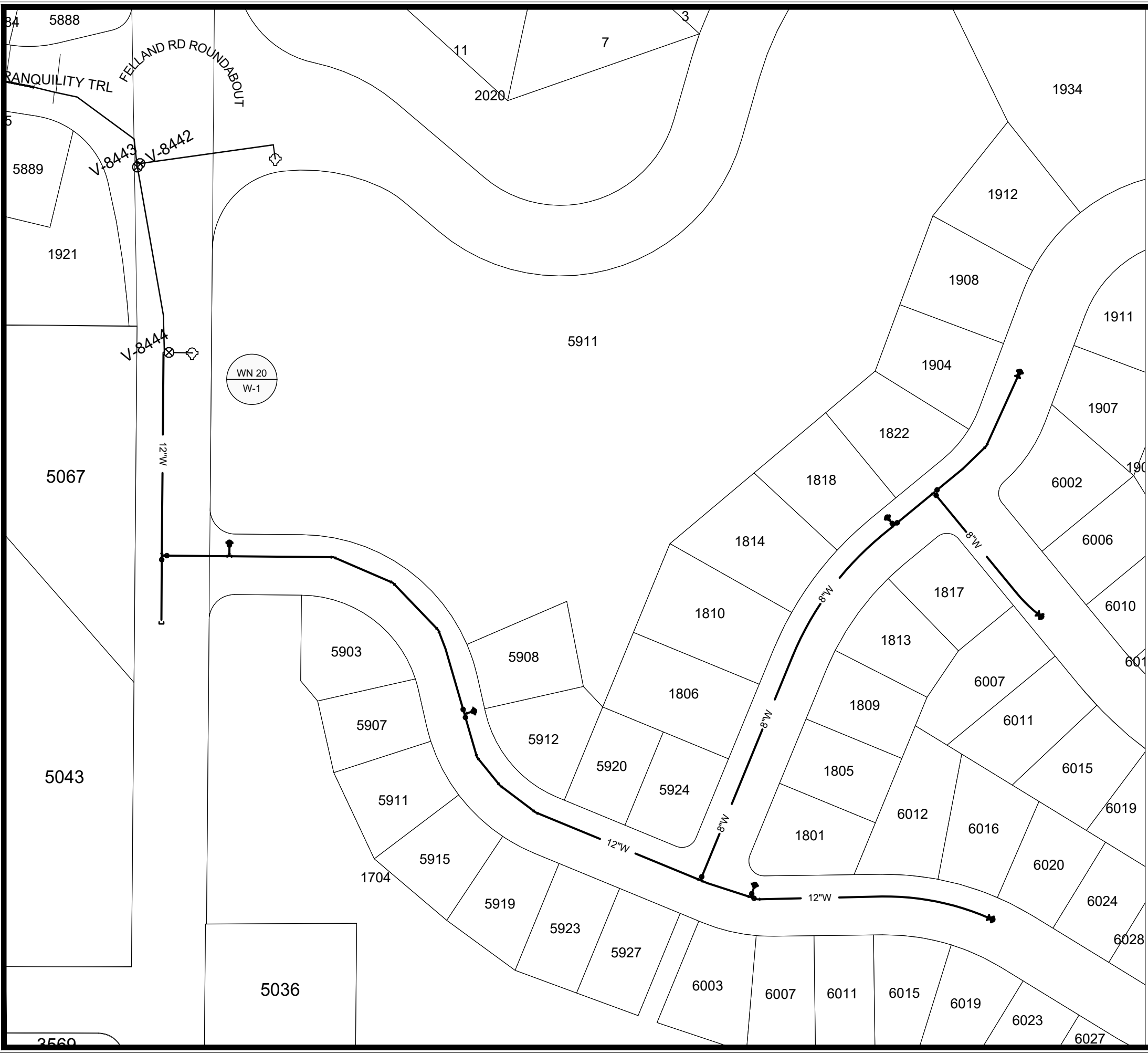
MARK	REVISION	DATE	BY
14929	8/27/2024 9:54 AM	Scale: #####	W-6

14929  
MADISON, WI  
9378  
CONTRACT NO:

CLOVER BASIN LANE - WATER PLAN AND PROFILE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Water\14929-WU-VAL 15.dwg



14929  
W-6



1" = 100'



WN 20: CUT-IN CONNECTION.  
 ISOLATION VALVES:  
 - V-8443 (FELLAND RD & TRANQUILITY TRL)  
 PROVIDE NOTICE:  
 - NONE



MARK	REVISION	DATE	BY
14929	Designed By: EEA	Date: 8/6/2024 8:33 AM	Scale: #####
14929			W-7

14929  
 MADISON, WI  
 CONTRACT NO: 9378

WATER IMPACT PLAN  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Water\14929 WU ImpactPlan.dwg



14929  
 W-7

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.

**CONSTRUCTION NOTES:**

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM CROSSINGS AND OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

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

**WATER UTILITY ULO SCHEDULE**

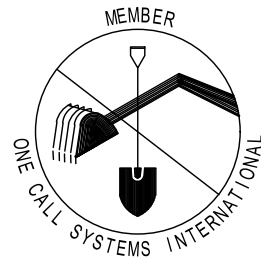
**\*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

DESCRIPTION	QUANTITY	UNIT
FURNISH AND INSTALL 6 INCH PIPE & FITTINGS	60	LNFT
FURNISH AND INSTALL 8 INCH PIPE & FITTINGS	760	LNFT
FURNISH AND INSTALL 12 INCH PIPE & FITTINGS	1240	LNFT
FURNISH AND INSTALL 6-INCH WATER VALVE	3	EACH
FURNISH AND INSTALL 8-INCH WATER VALVE	4	EACH
FURNISH AND INSTALL 12-INCH WATER VALVE	5	EACH
FURNISH, INSTALL AND SALVAGE HYDRANT	7	EACH
FURNISH AND INSTALL 1 INCH SERVICE LATERALS	31	EACH
CUT-IN OR CONNECT TO EXISTING WATER SYSTEM	1	EACH
STYROFOAM INSULATION BOARDS	50	EACH
12-IN MJ PLUG	1	EACH
8-IN 22 1/2° BEND	1	EACH
12-IN 22 1/2° BEND	5	EACH
12-IN 11 1/4° BEND	2	EACH
8X6-IN REDUCER	2	EACH
12X6-IN REDUCER	1	EACH
8X6-IN TEE	1	EACH
8X8-IN TEE	1	EACH
12X6-IN TEE	3	EACH
12X8-IN TEE	1	EACH
12X12-IN TEE	1	EACH

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

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

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



**\*ESTIMATE OF MATERIALS SALVAGED & REUSED:**

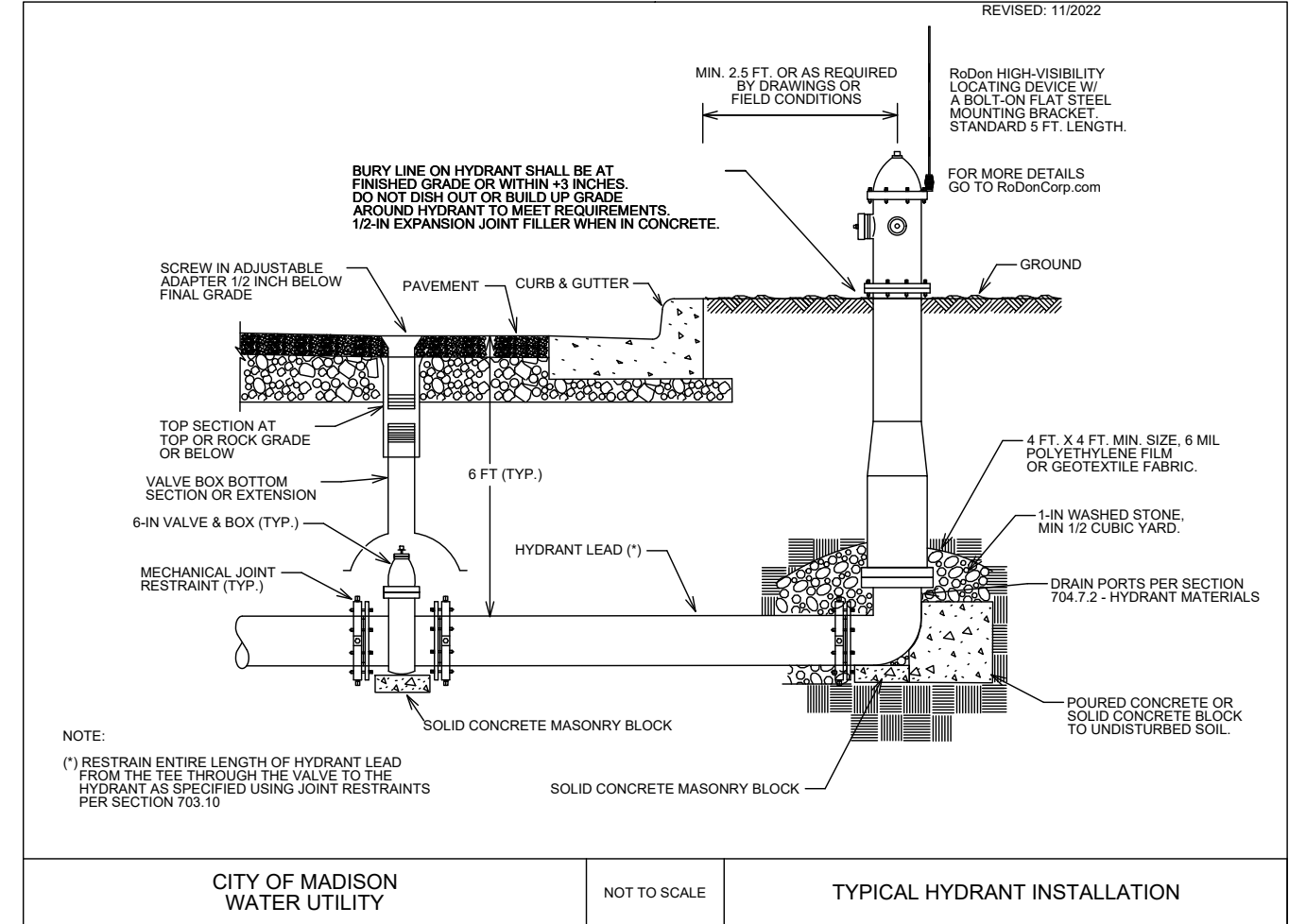
5-IN HYDRANT	1	RELOCATE
12X6-IN TEE	1	SALVAGE
6-IN VALVE	1	SALVAGE

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

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

**PART VII - WATER MAINS AND SERVICE LATERALS**

**DETAIL DRAWING NO. 7.04**  
REVISED: 11/2022



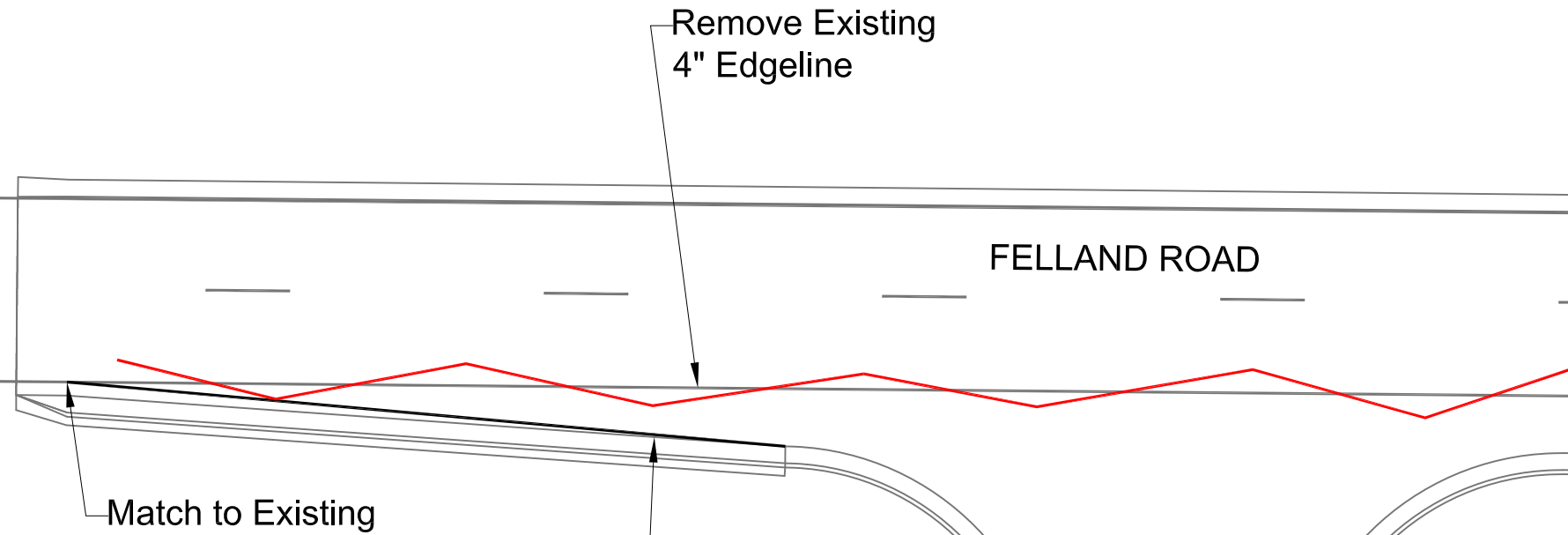
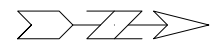
MARK	REVISION	DATE	BY
14929	14929	8/12/2024	8:33 AM

14929  
MADISON, WI  
9378  
CONTRACT NO:

WATER ESTIMATE OF MATERIALS  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Water\14929 WU Materials.dwg



14929  
W-8



MARK	REVISION	DATE	BY
###	---	---	---
###	---	---	---
###	---	---	---
###	---	---	---

14929  
MADISON, WI

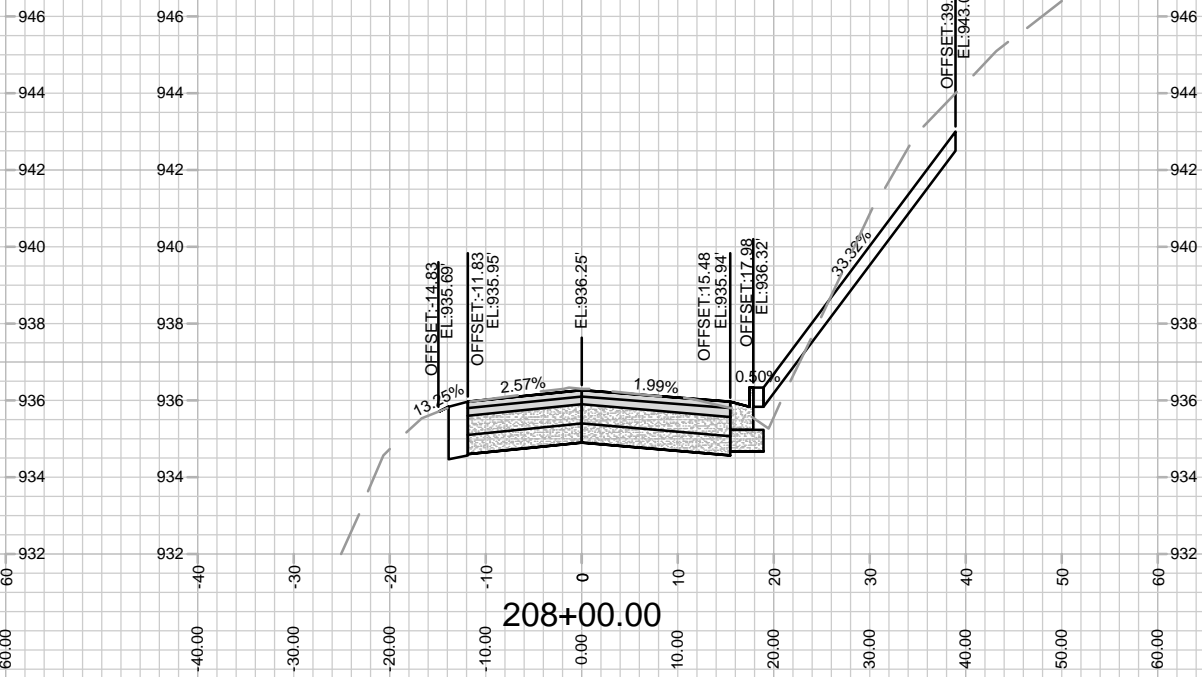
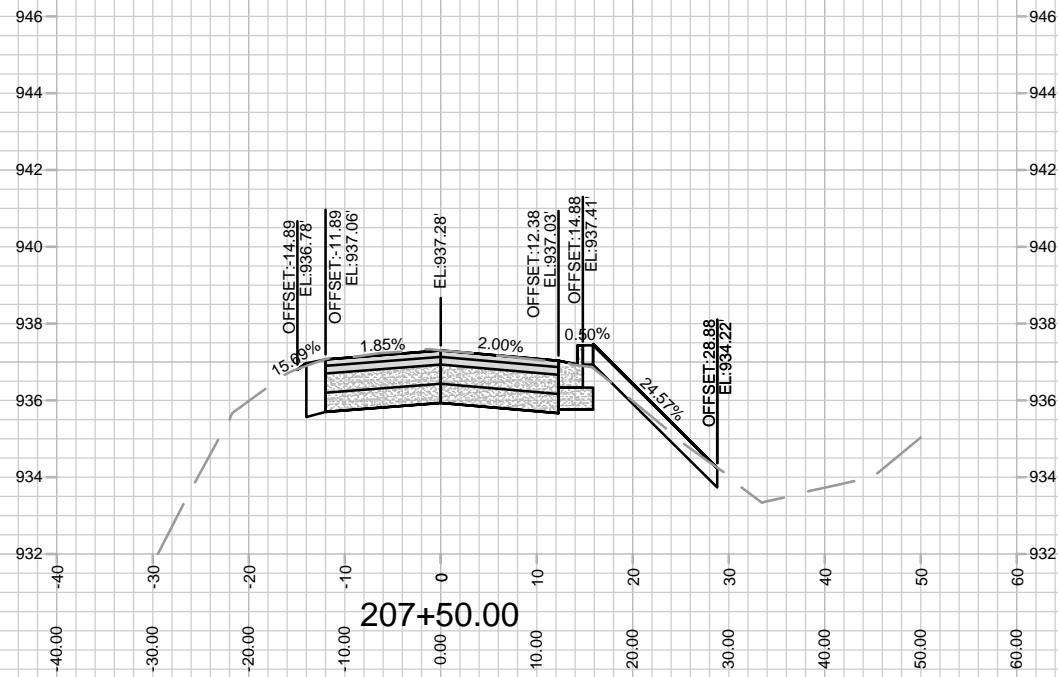
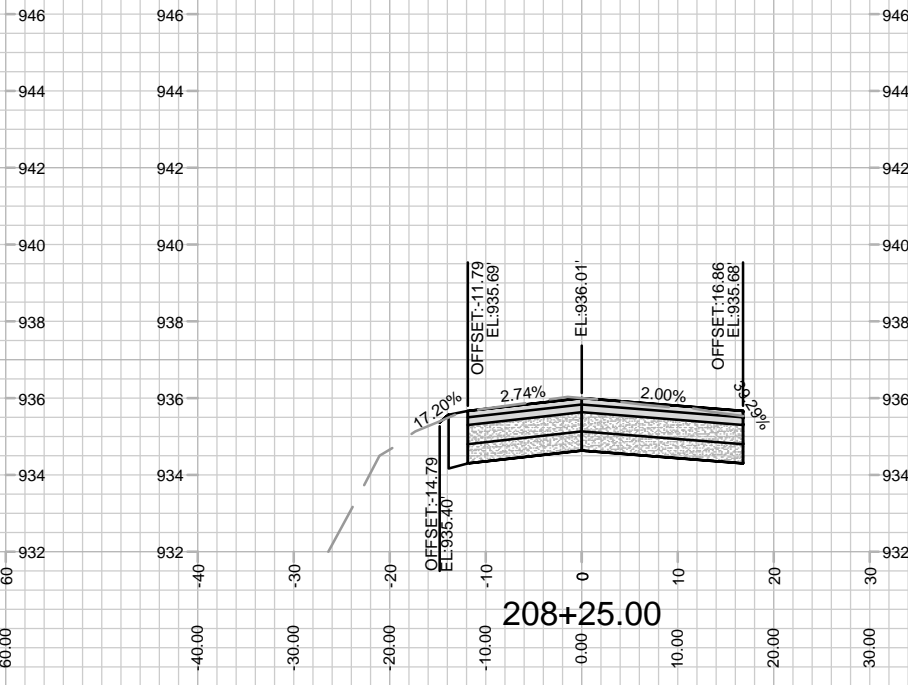
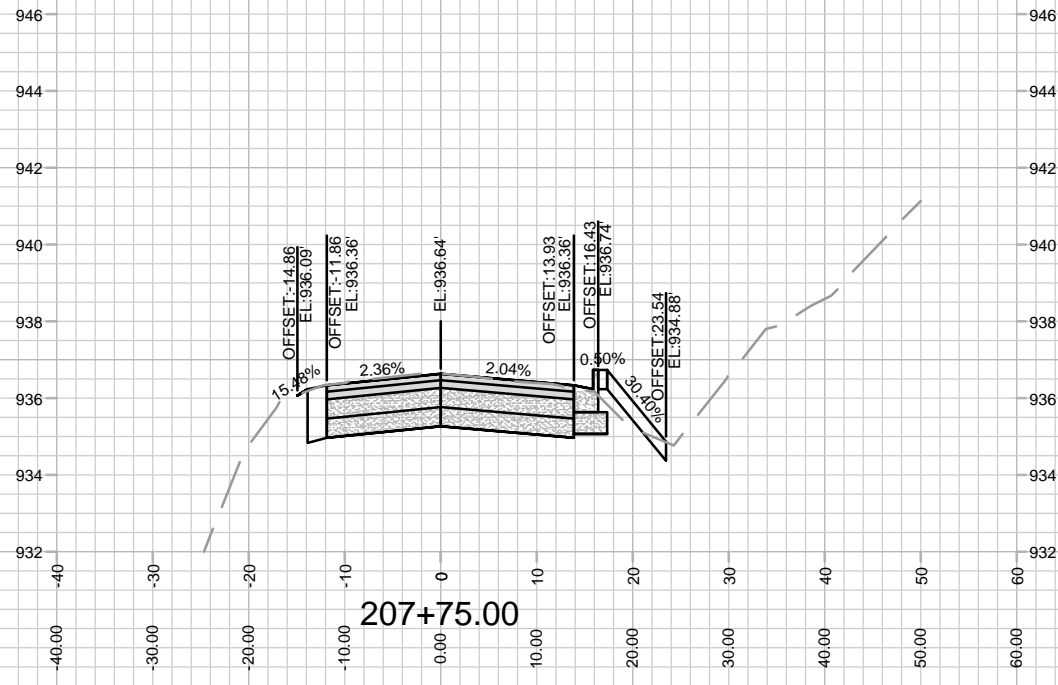
CONTRACT NO:

PAVEMENT MARKING PLAN  
VILLAGE OF AUTUMN LAKE PHASE 15  
M:\DESIGN\Projects\14929\CAD\Traffic\14929TE-PavementMarking.dwg



14929  
PM-1



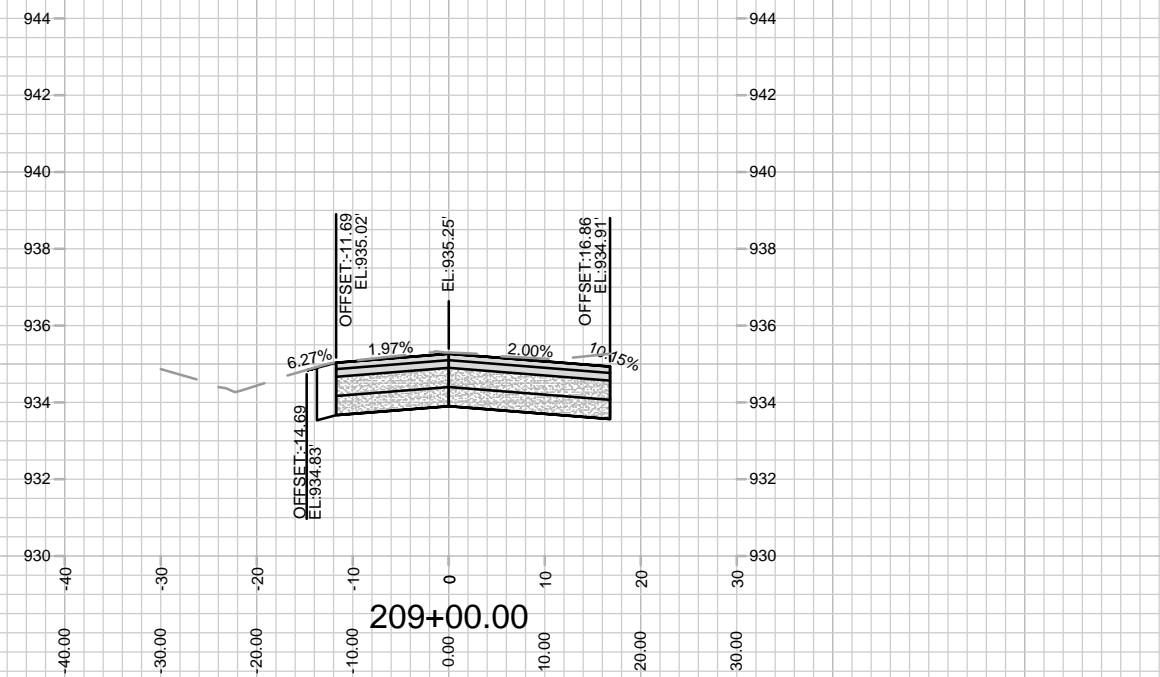
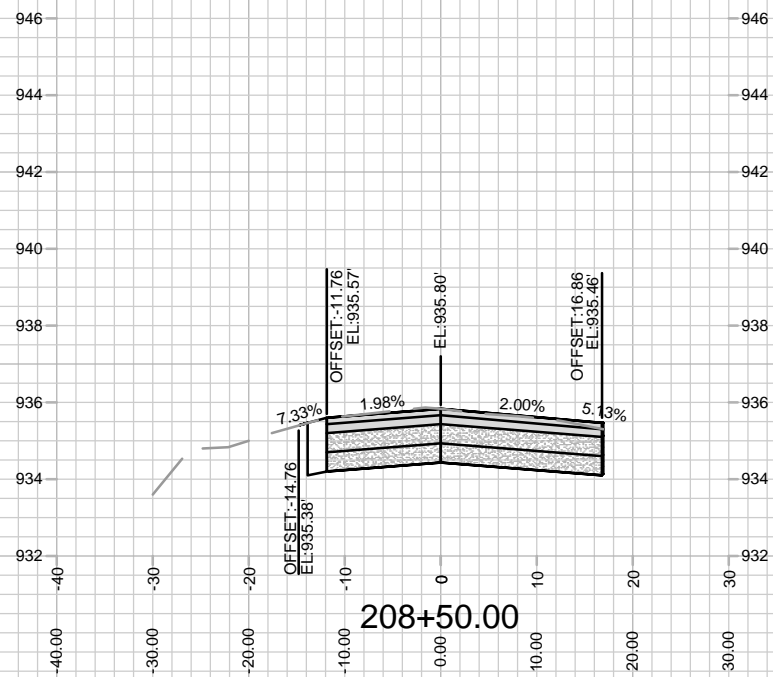
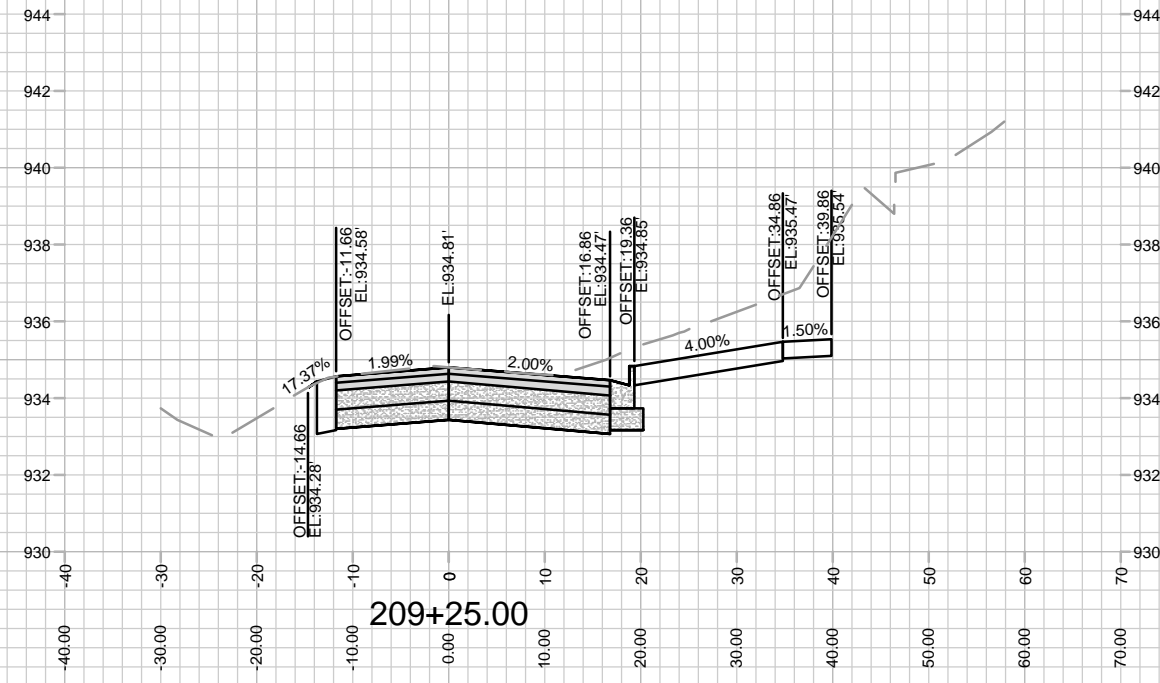
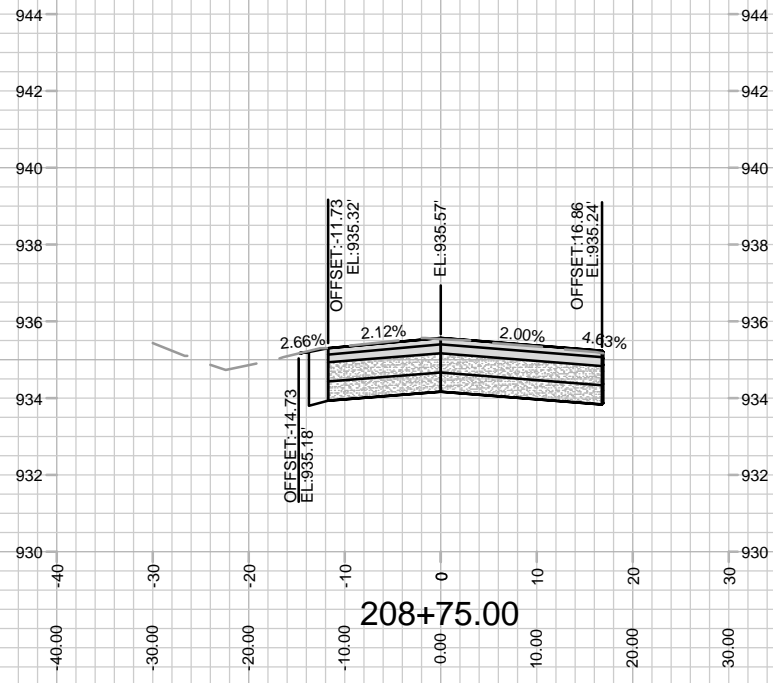


MARK	REVISION	DATE	BY

14929  
MADISON, WI  
14929  
9378  
CONTRACT NO:

CROSS SECTIONS - FELLAND ROAD  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg





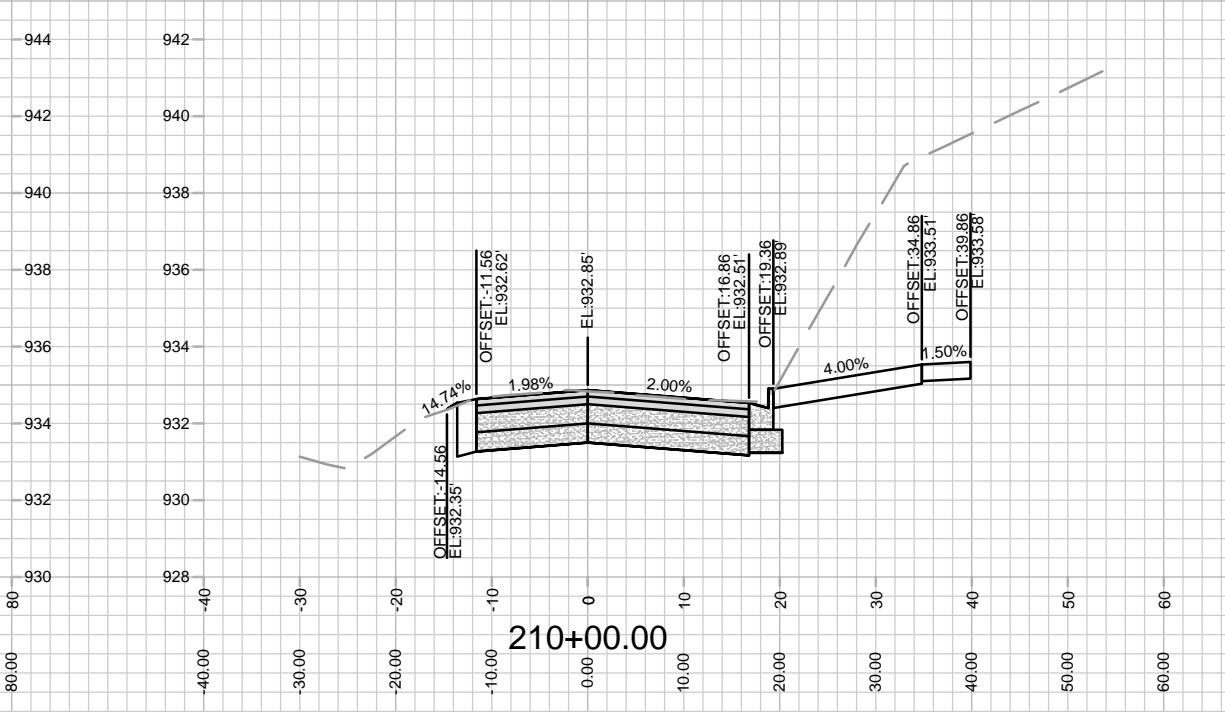
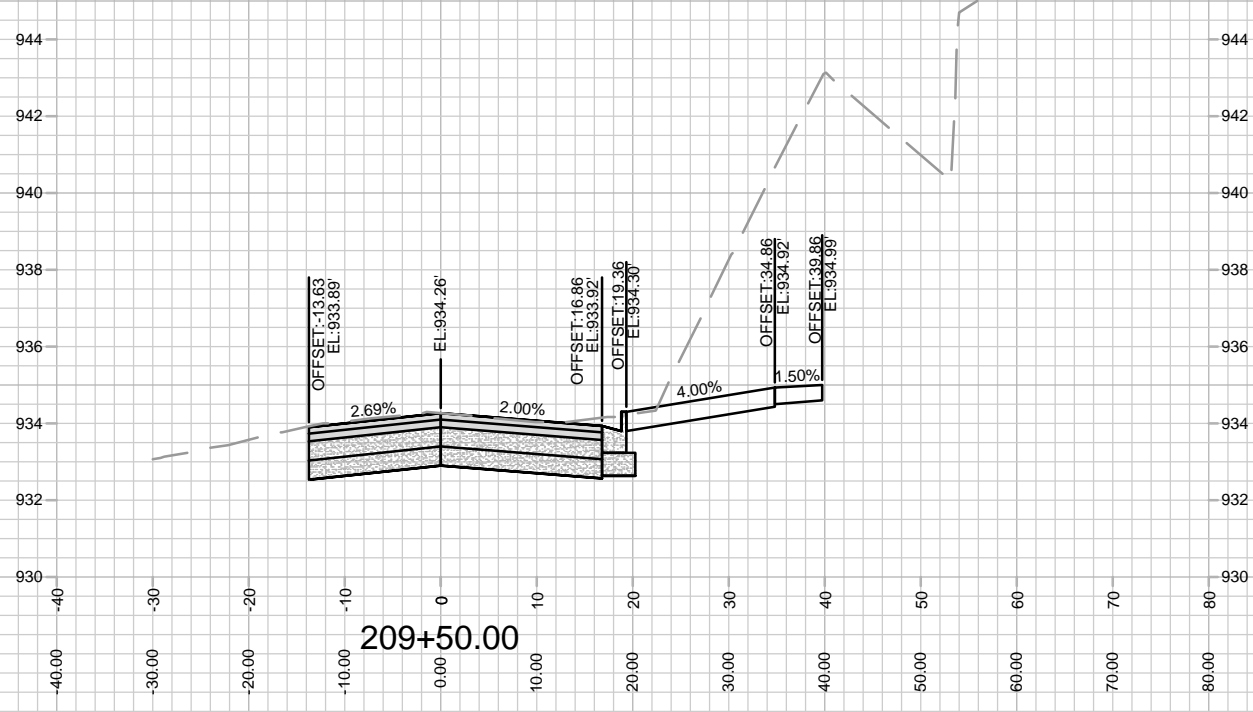
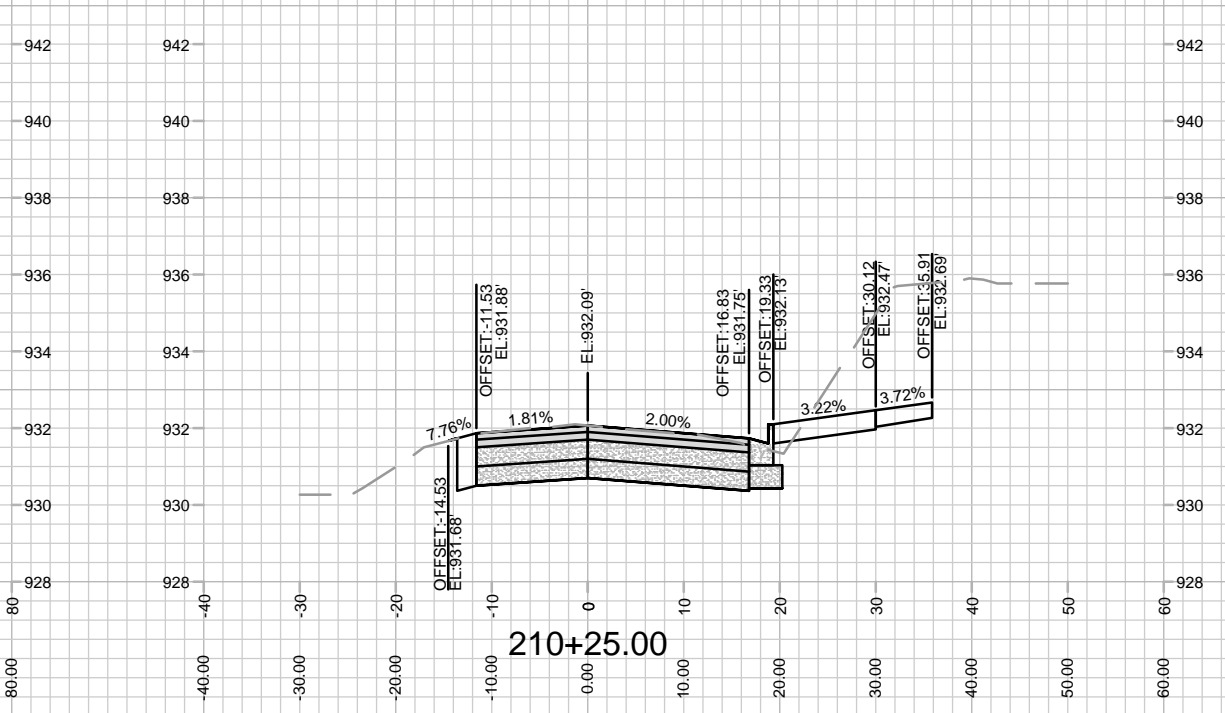
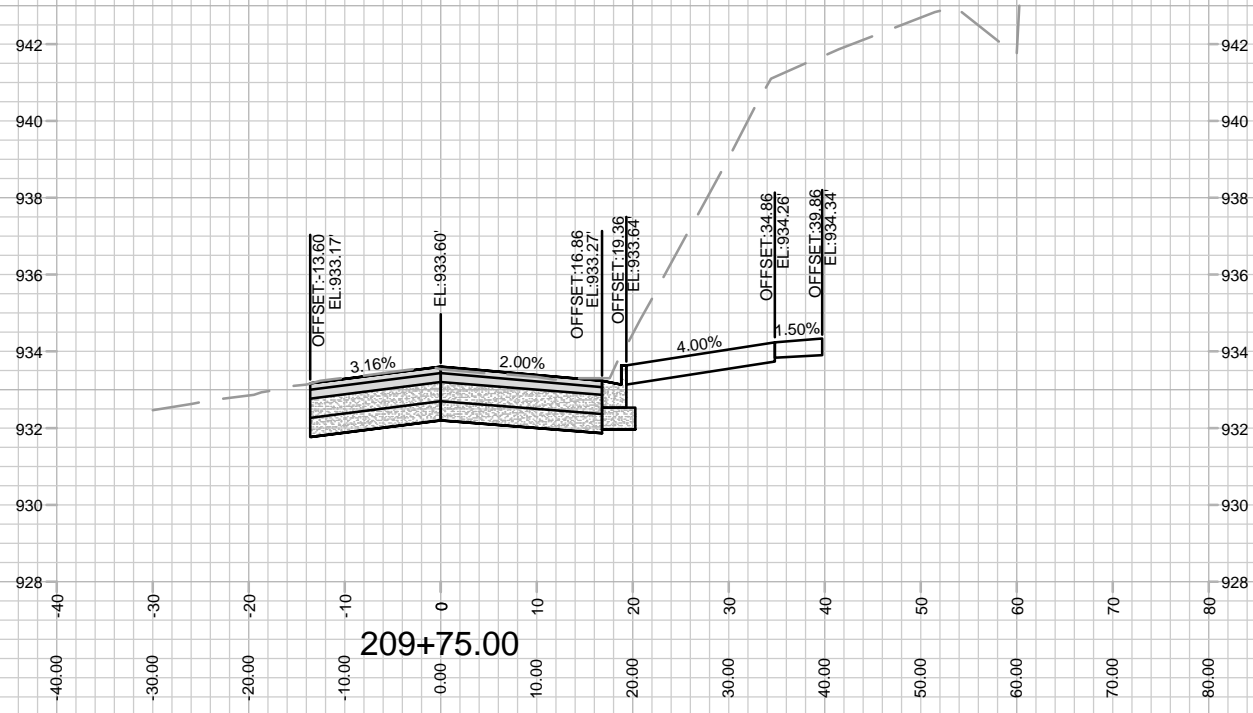
MARK	REVISION	DATE	BY

Designated By: EEA Date: 2/19/2024 3:45 PM Scale: 1" = 20'

14929 X-2

14929  
MADISON, WI  
CONTRACT NO: 9378

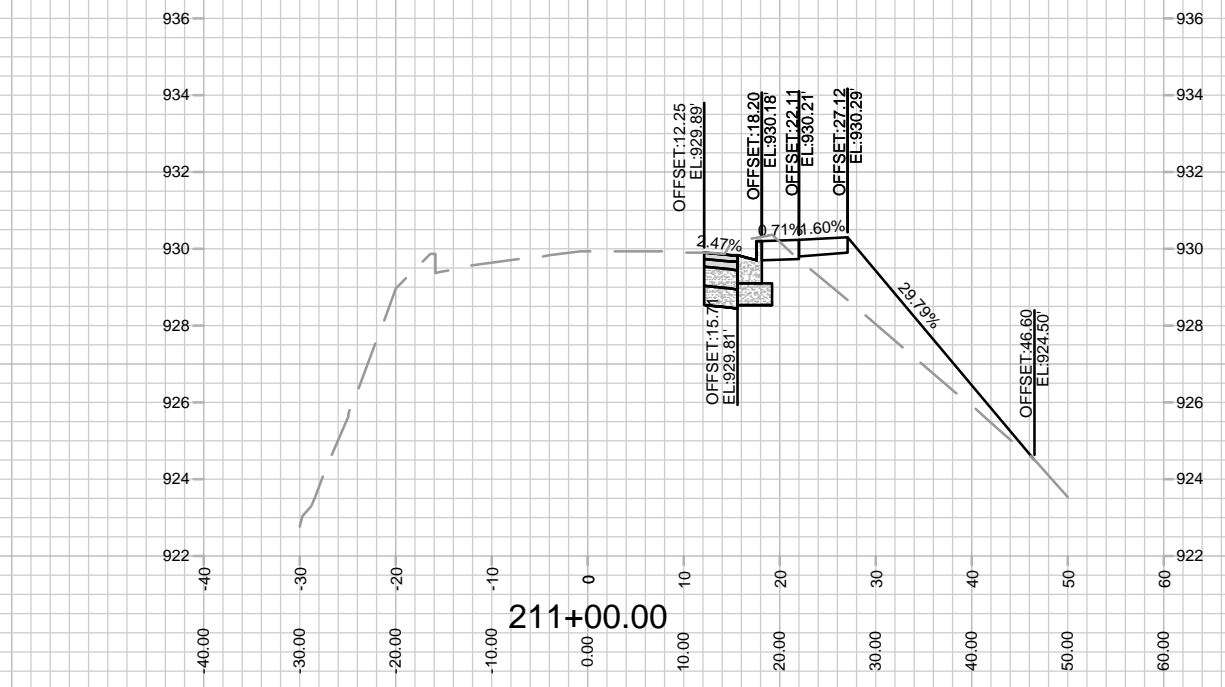
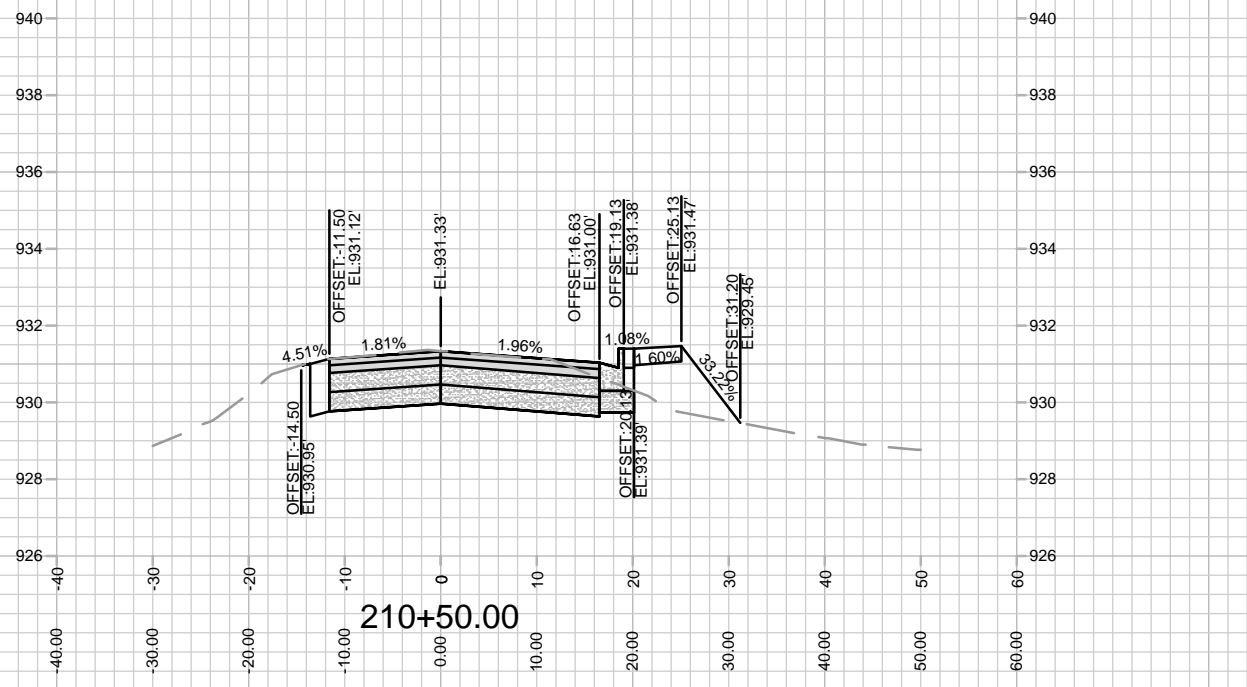
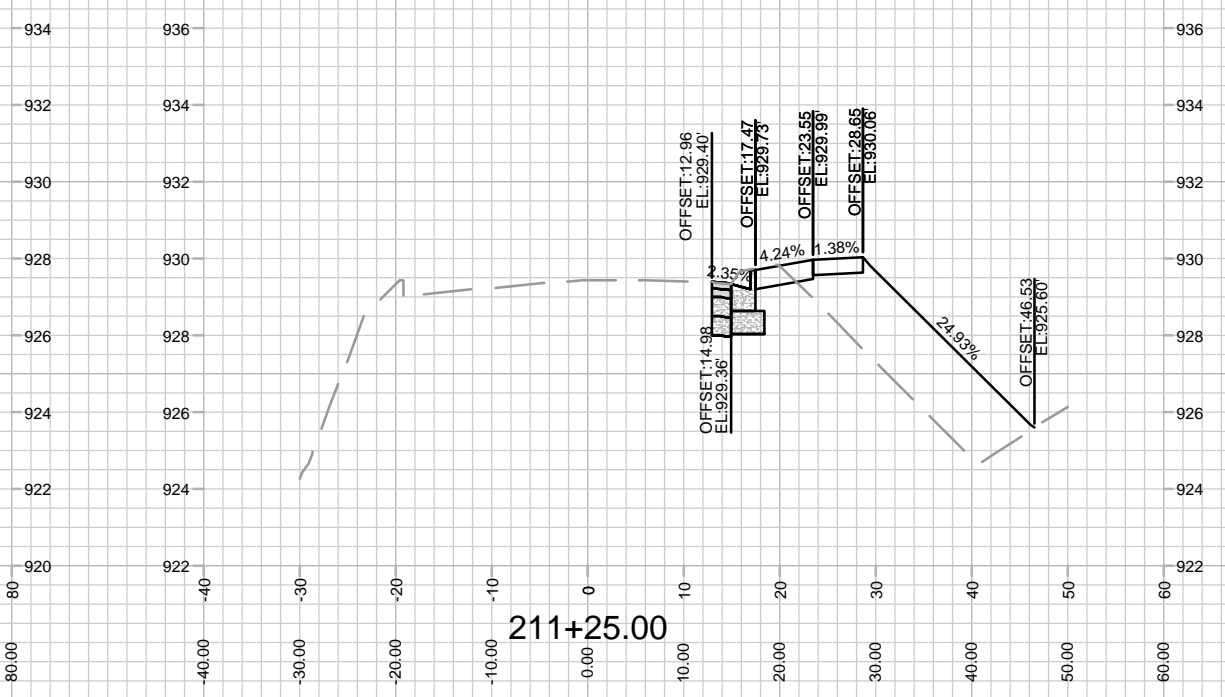
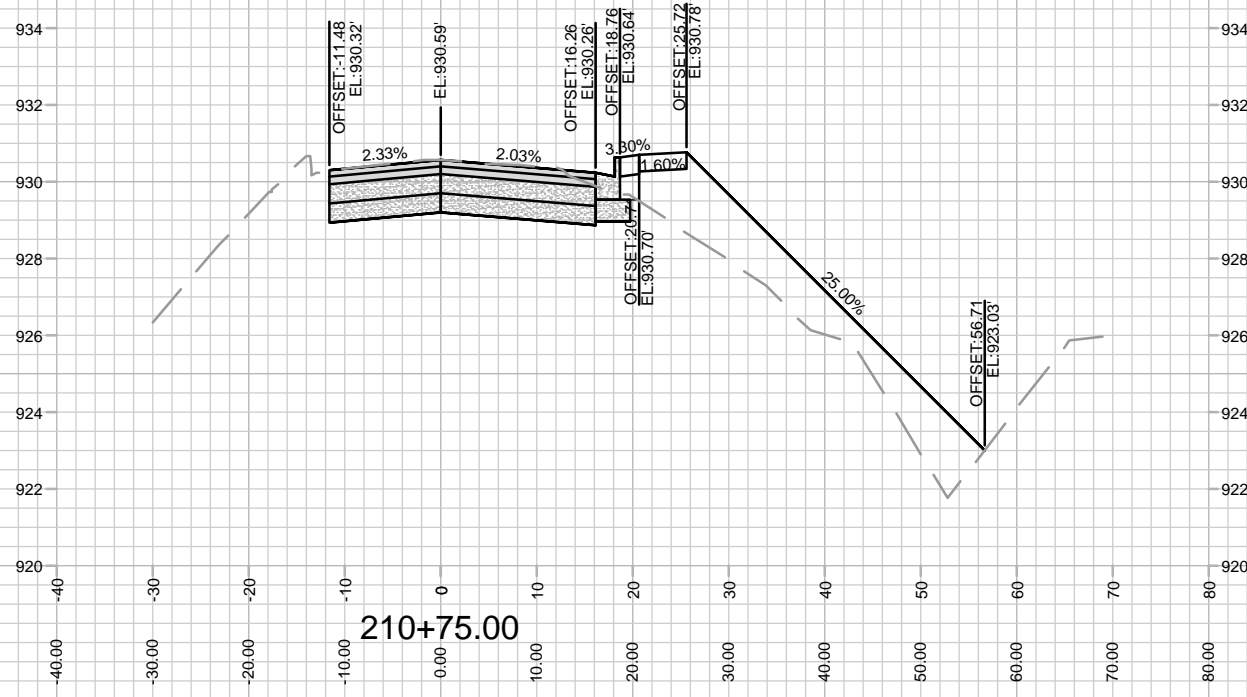
CROSS SECTIONS - FELLAND ROAD  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



MARK	REVISION	DATE	BY

14929  
 MADISON, WI  
 CONTRACT NO: 9378  
 Designer: EEA Date: 2/19/2024 3:45 PM  
 Scale: 1" = 20'  
 X-3


CROSS SECTIONS - FELLAND ROAD  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



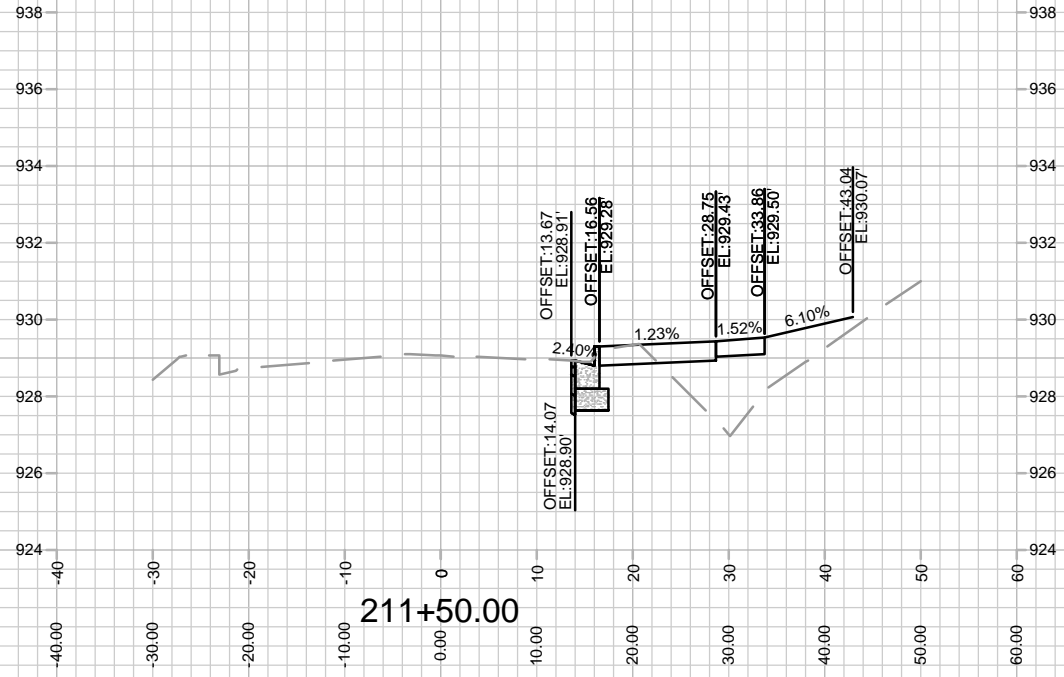
MARK	REVISION	DATE	BY

14929  
MADISON, WI  
9378  
CONTRACT NO:

CROSS SECTIONS - FELLAND ROAD  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



14929  
X-4

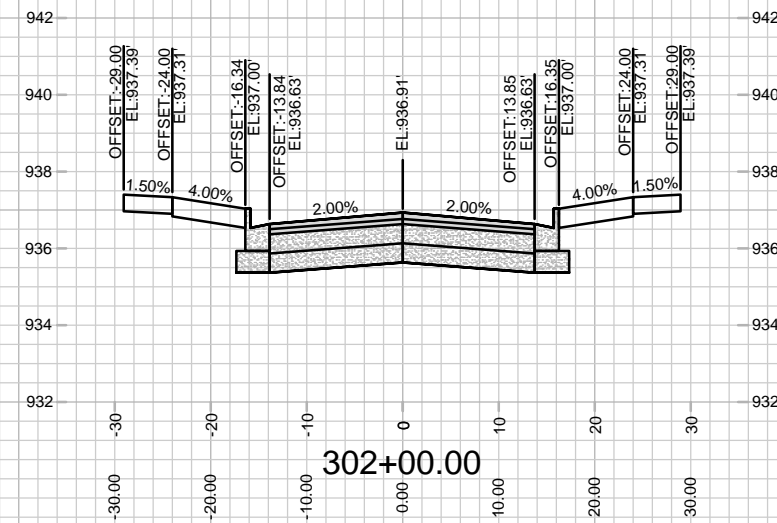
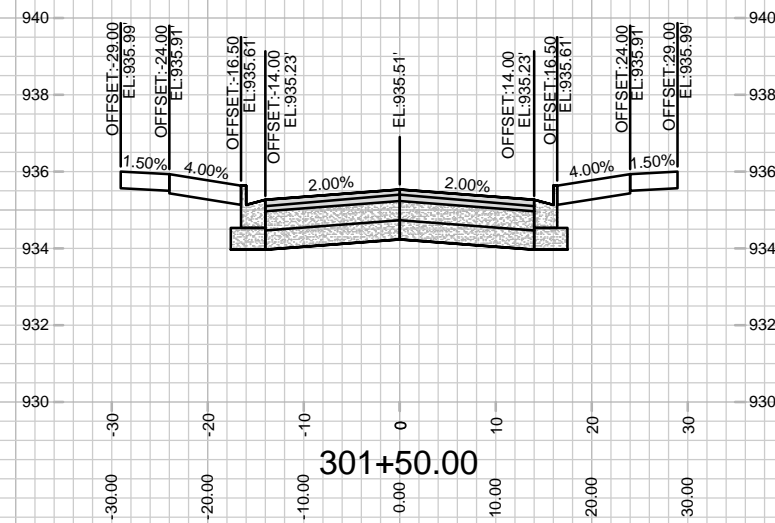
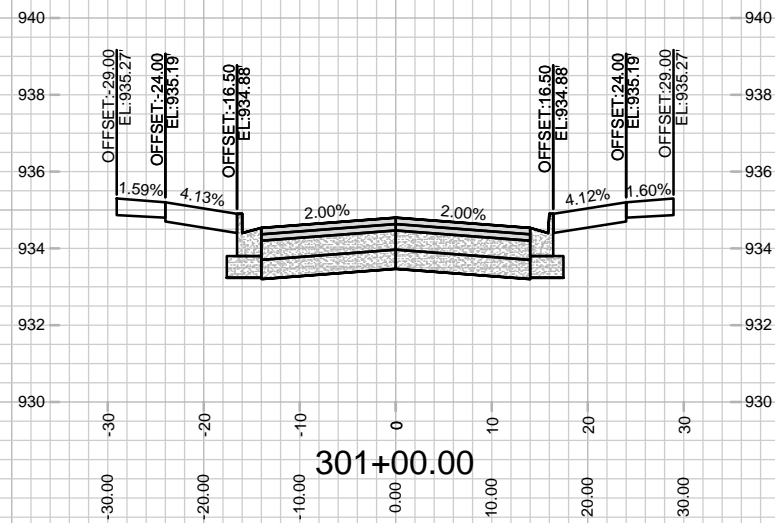
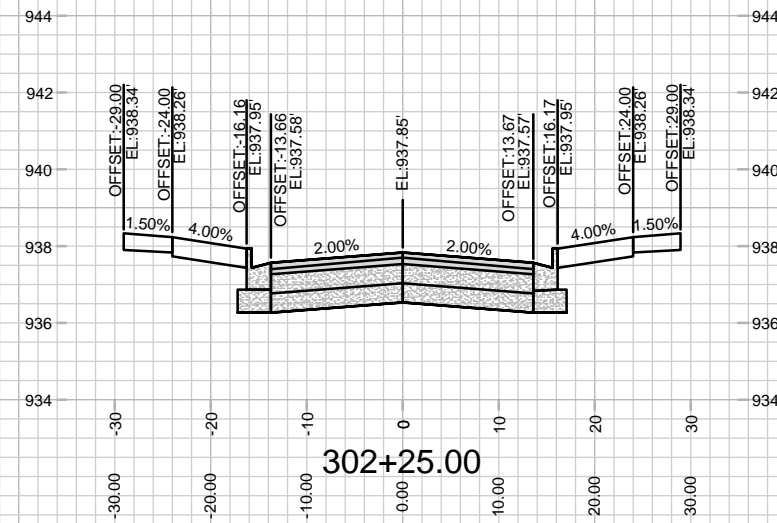
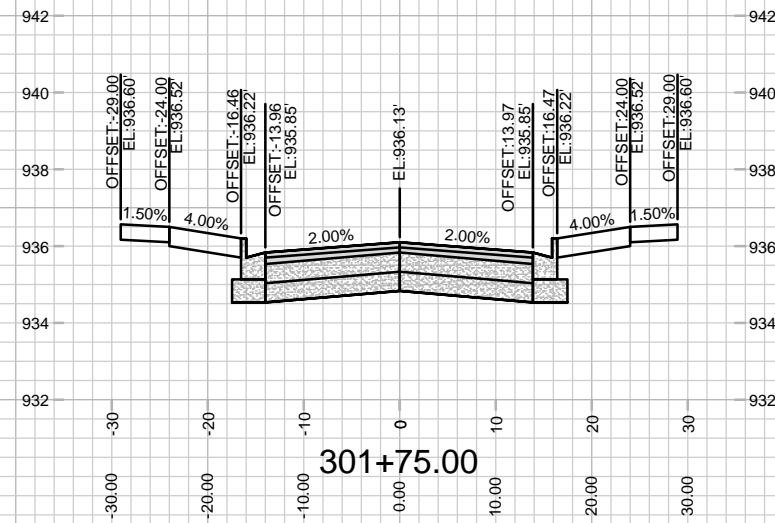
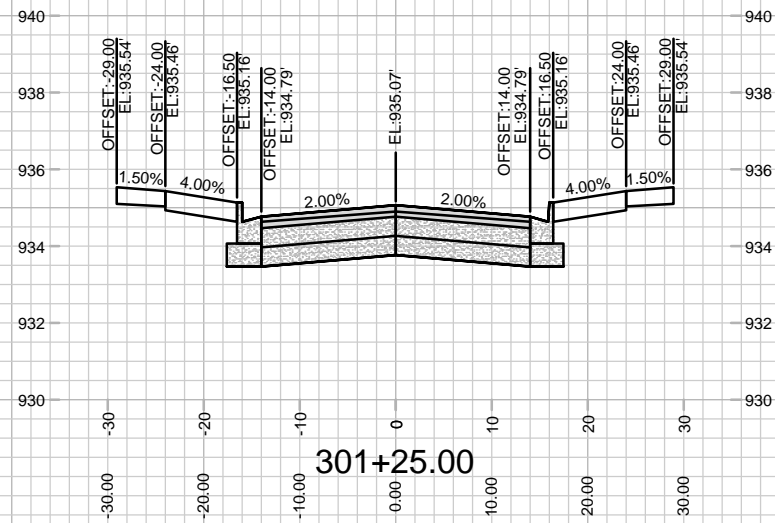


14929  
X-5

CROSS SECTIONS - FELLAND ROAD  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg

14929  
MADISON, WI  
CONTRACT NO: 9378

MARK	REVISION	DATE	BY
14929 <td>Design By: EEA</td> <td>Date: 2/19/2024 3:45 PM</td> <td>Scale: 1" = 20'</td>	Design By: EEA	Date: 2/19/2024 3:45 PM	Scale: 1" = 20'
			X-5



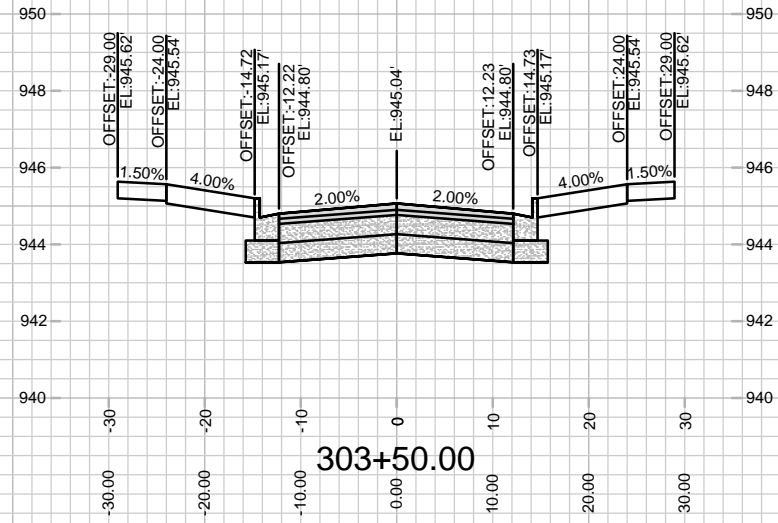
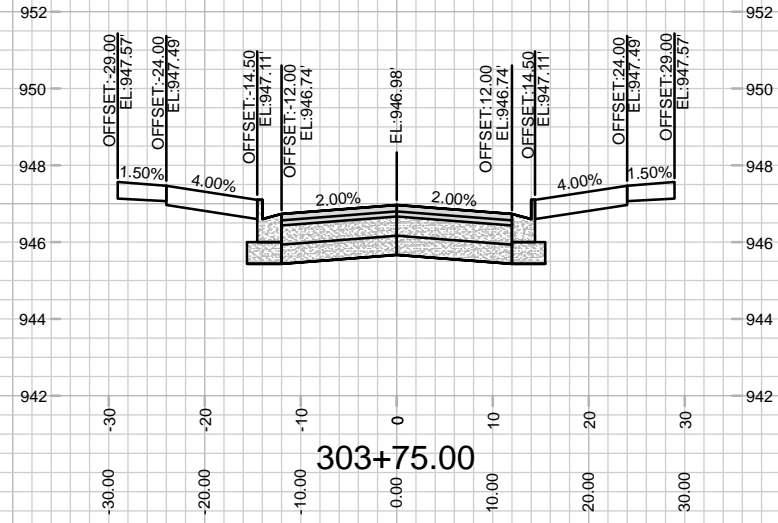
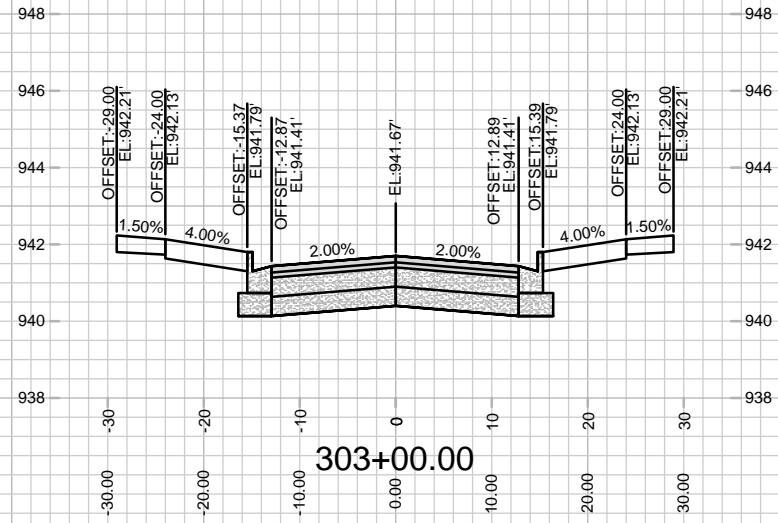
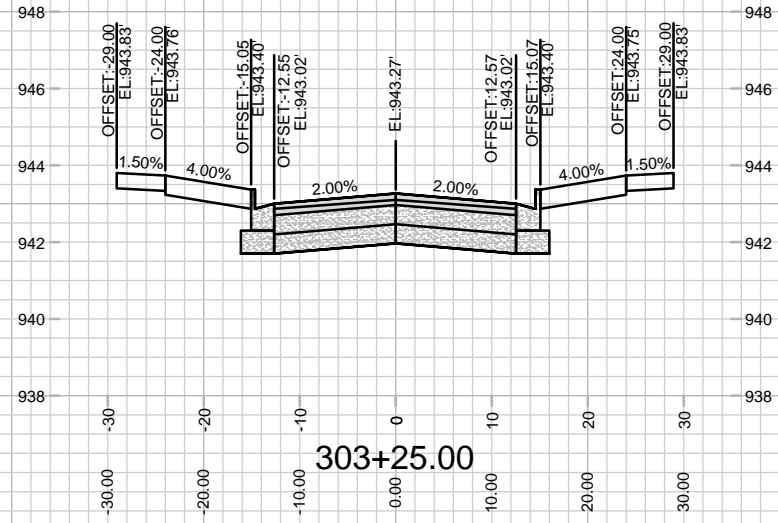
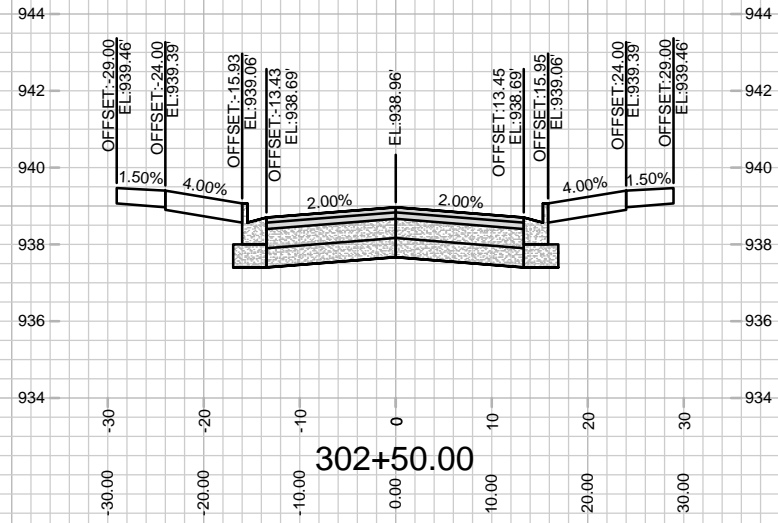
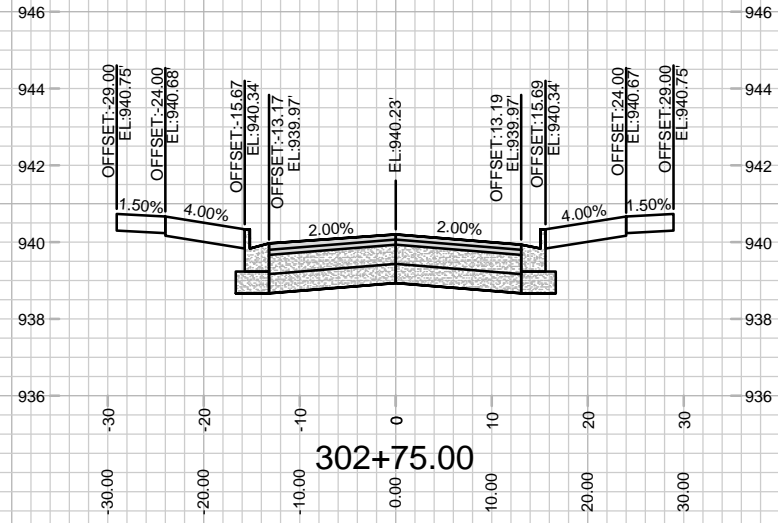
MARK	REVISION	DATE	BY
14929 <td>EA <td>7/26/2024 12:39 PM <td>X-6</td> </td></td>	EA <td>7/26/2024 12:39 PM <td>X-6</td> </td>	7/26/2024 12:39 PM <td>X-6</td>	X-6

14929  
MADISON, WI  
9378  
CONTRACT NO:

CROSS SECTIONS - WOODBINE DRIVE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



14929  
X-6



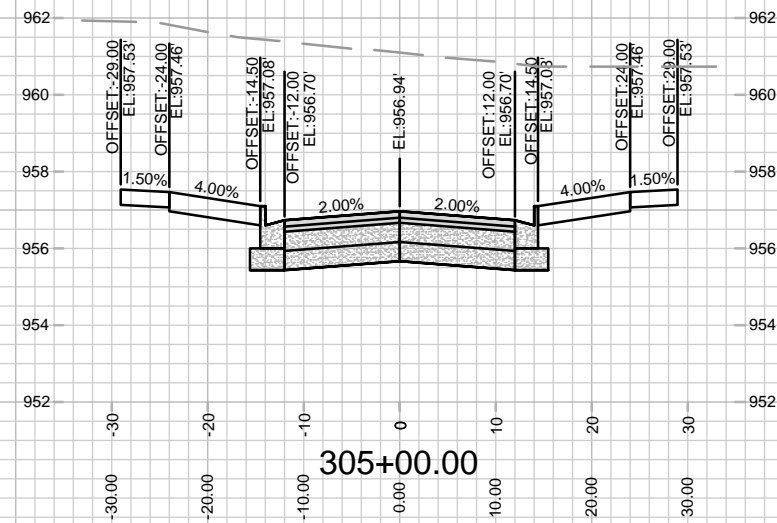
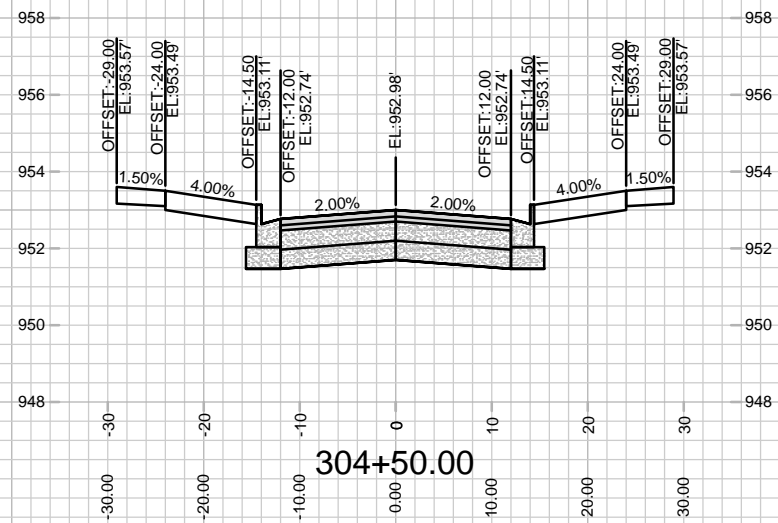
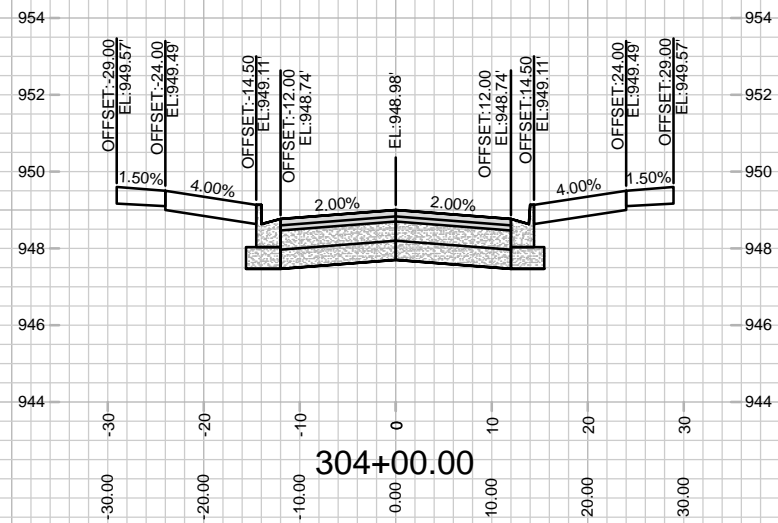
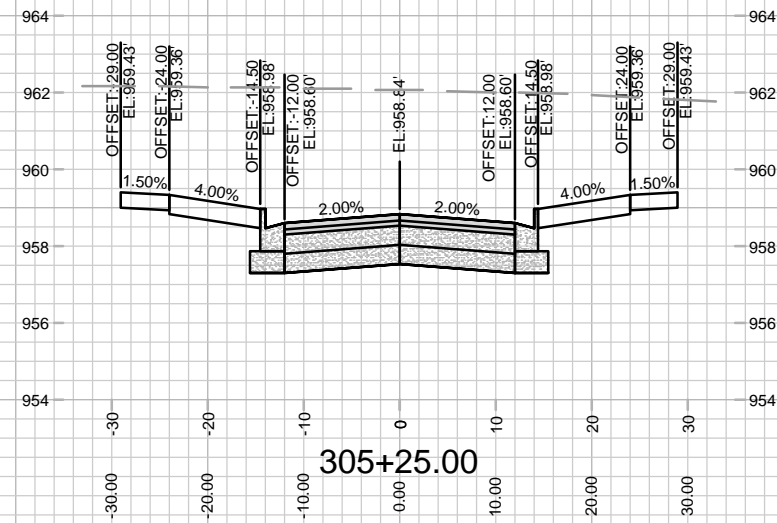
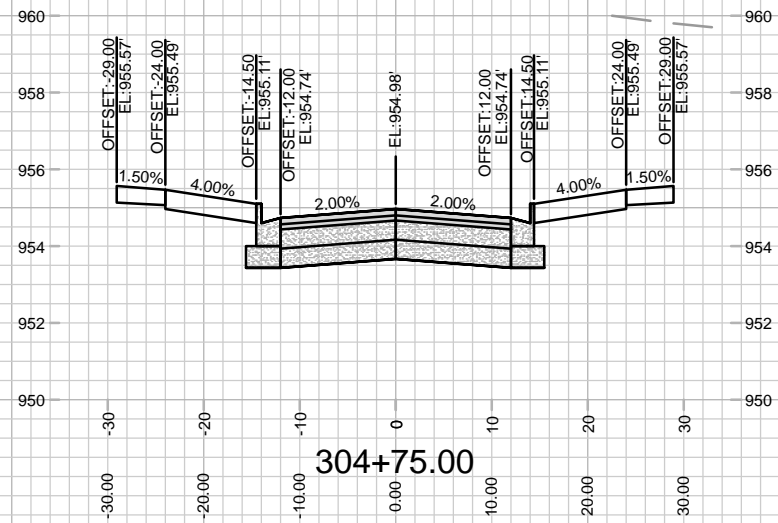
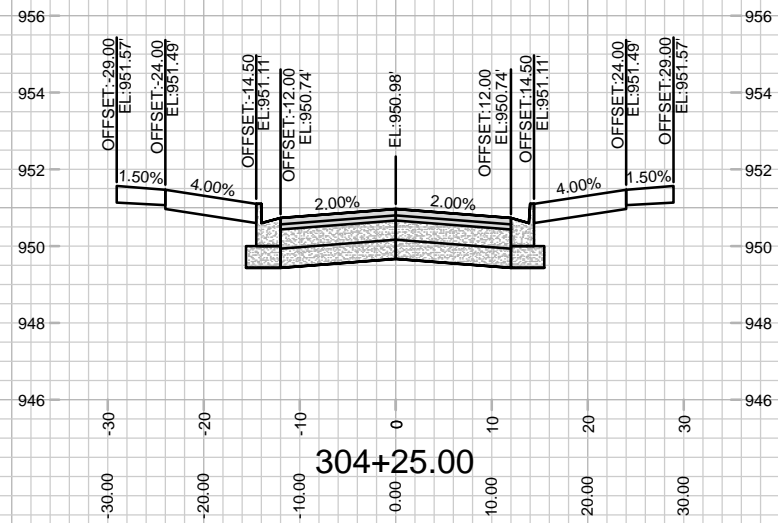
MARK	REVISION	DATE	BY
14929 <td>Design: EEA</td> <td>07/26/2024</td> <td>12:40 PM</td>	Design: EEA	07/26/2024	12:40 PM
X-7			

14929  
 MADISON, WI  
 CONTRACT NO: 9378

CROSS SECTIONS - WOODBINE DRIVE  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



14929  
 X-7



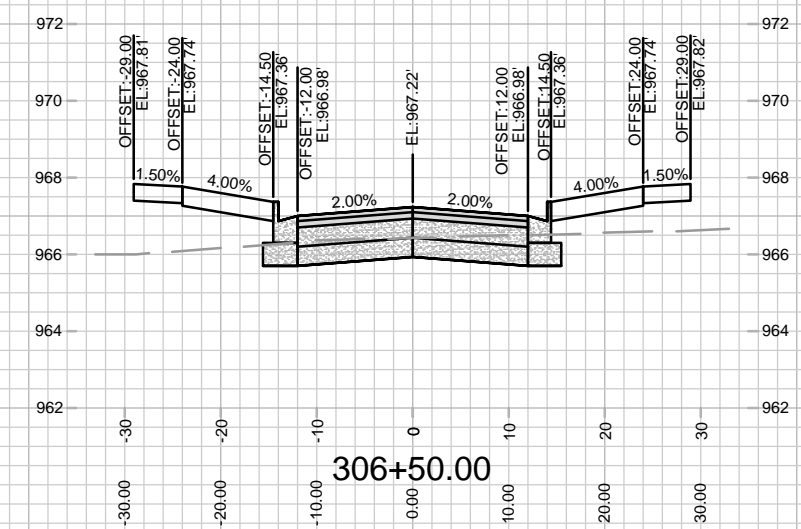
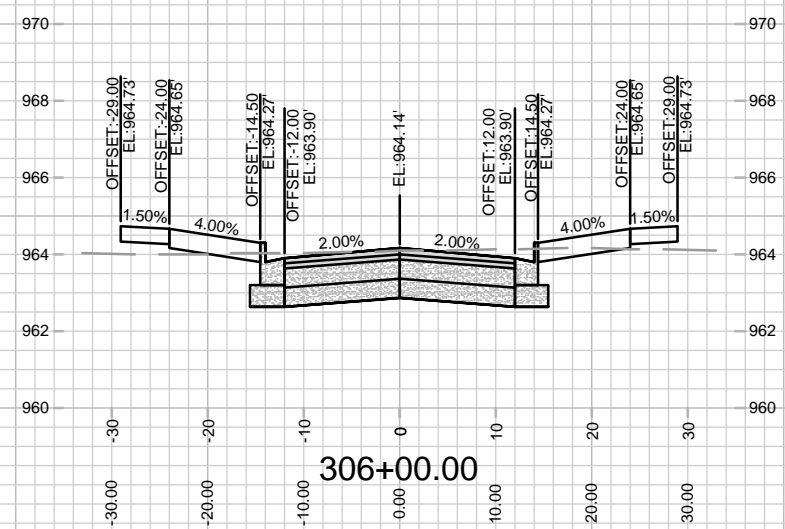
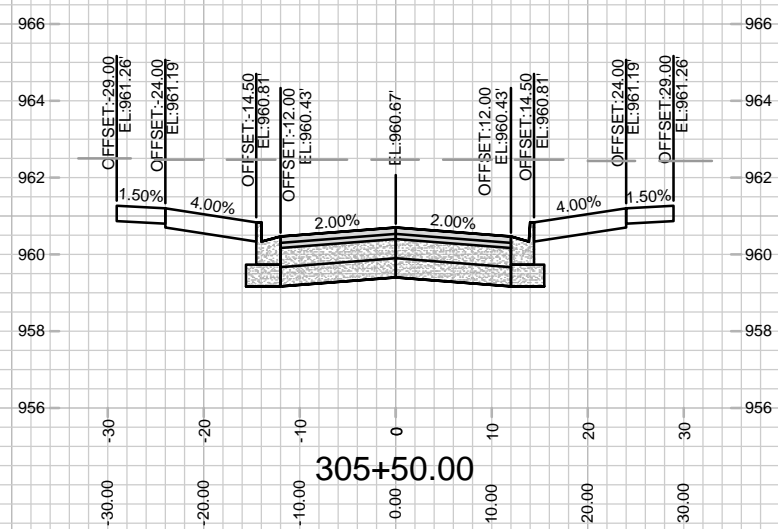
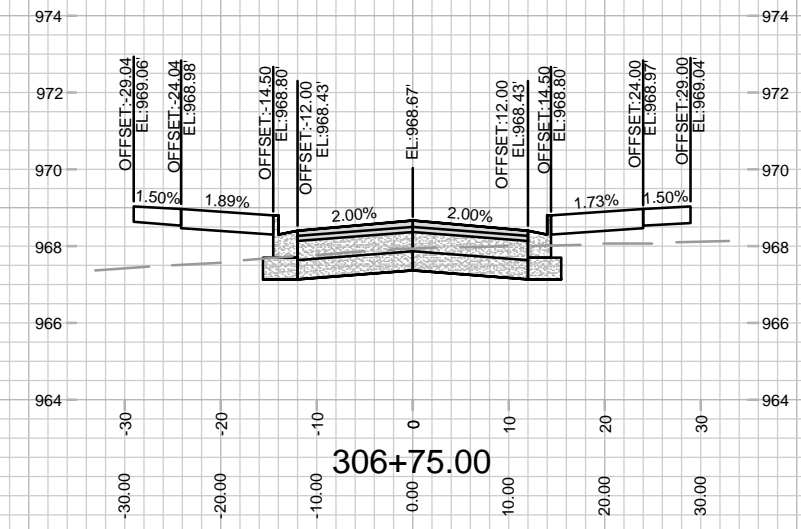
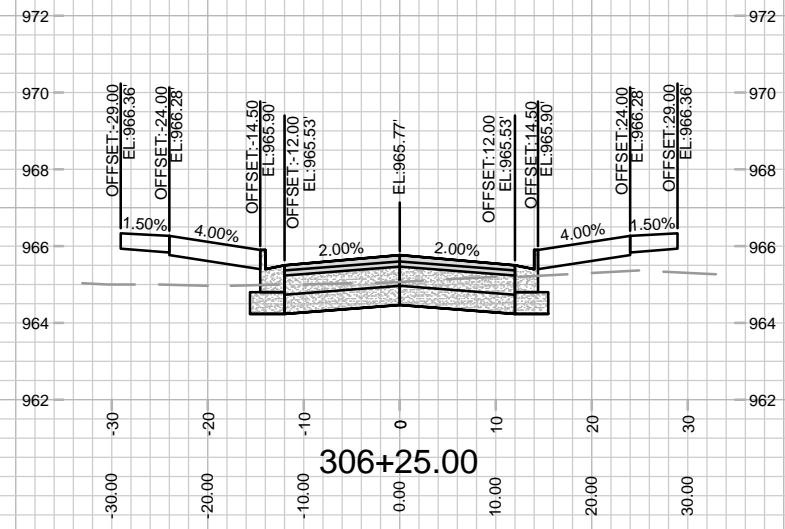
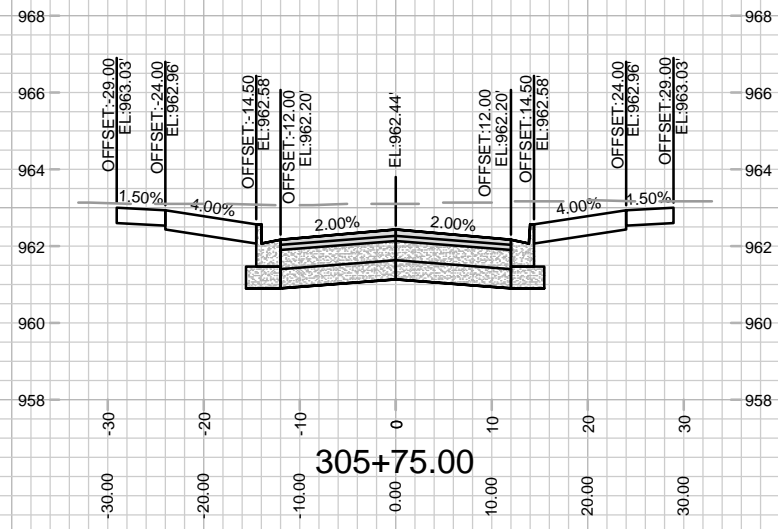
CROSS SECTIONS - WOODBINE DRIVE  
 VILLAGE AT AUTUMN LAKE - PHASE 15

M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg

14929  
 MADISON, WI  
 CONTRACT NO: 9378

MARK	REVISION	DATE	BY
14929	Design By: EEA	Date: 7/26/2024 12:40 PM	Scale: 1" = 20'
X-8			

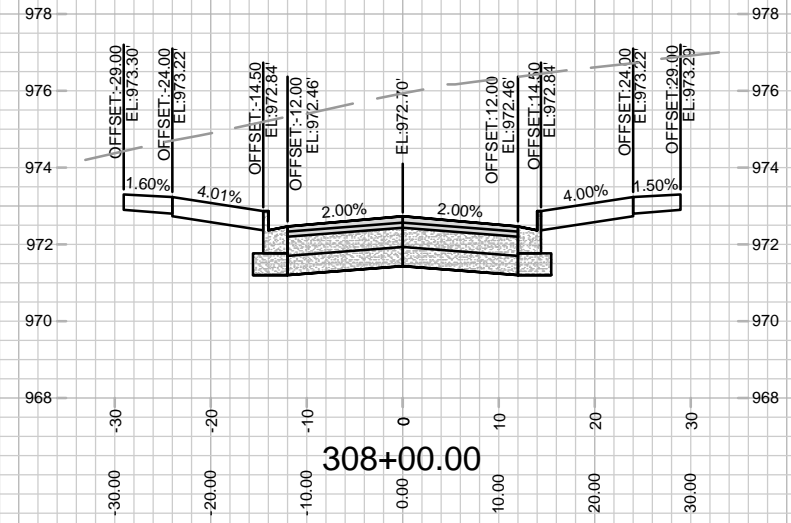
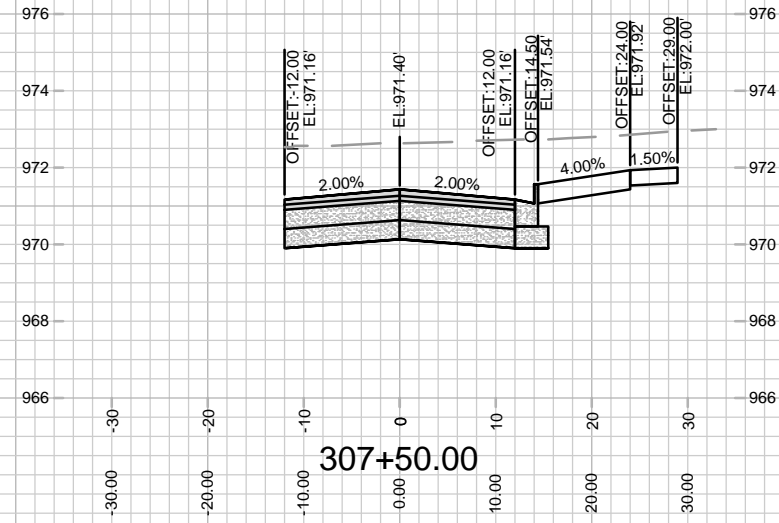
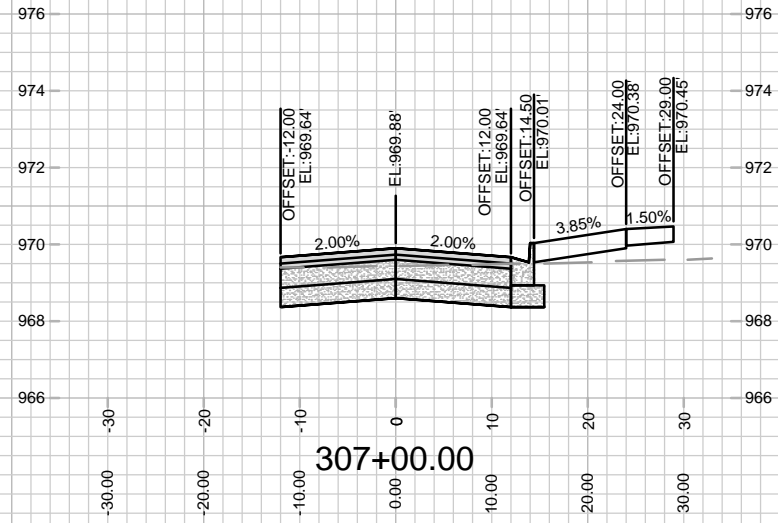
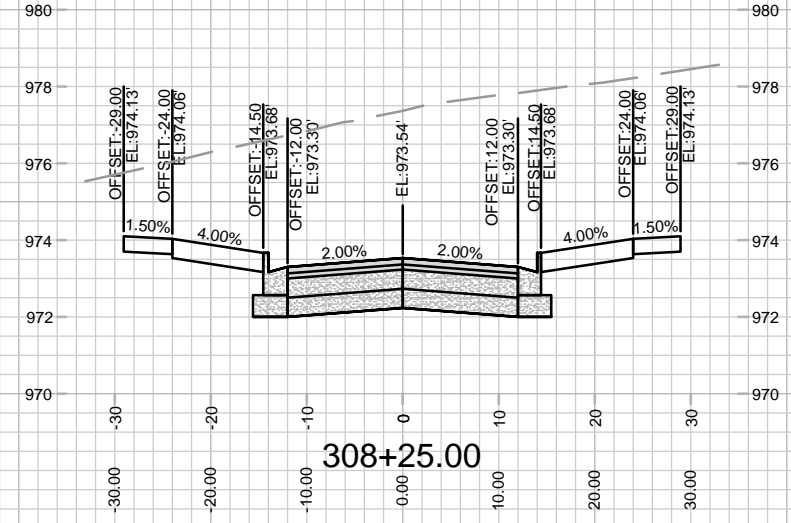
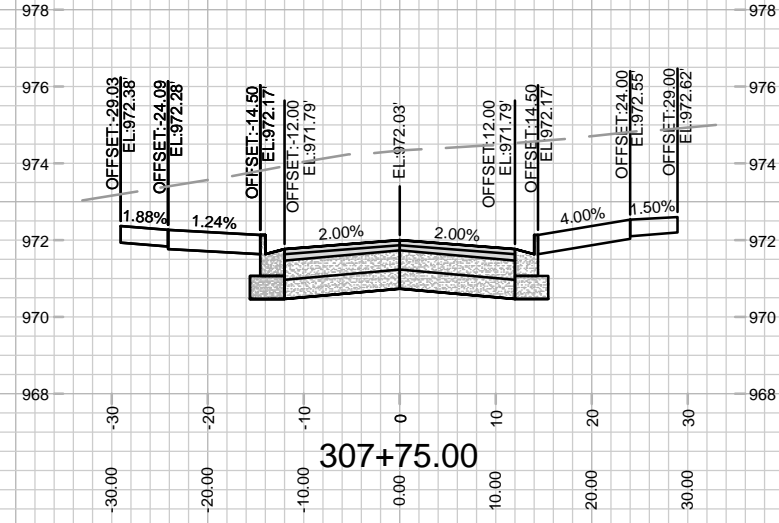
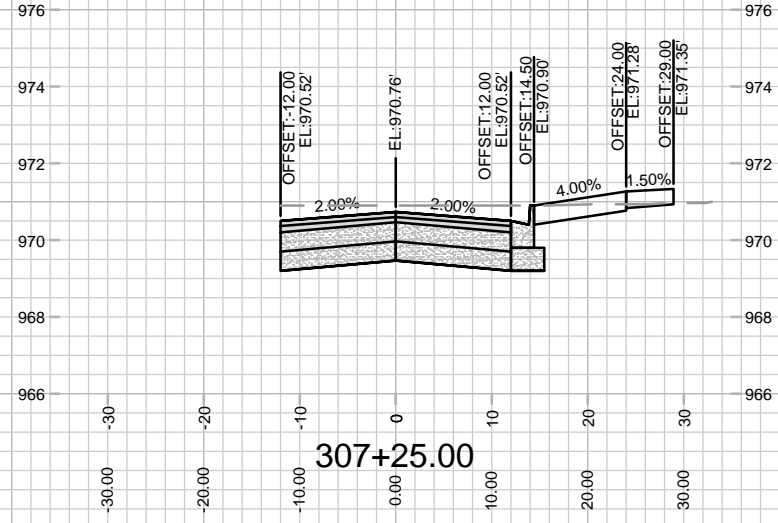




MARK	REVISION	DATE	BY

14929  
 MADISON, WI  
 CONTRACT NO: 9378

CROSS SECTIONS - WOODBINE DRIVE  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



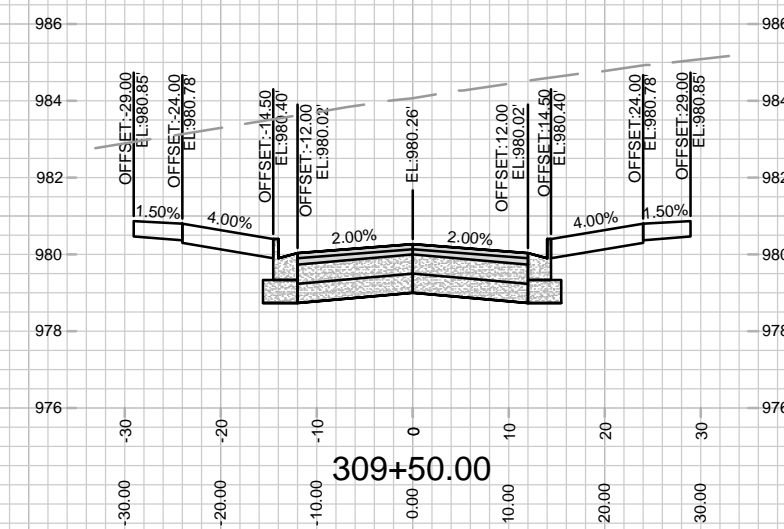
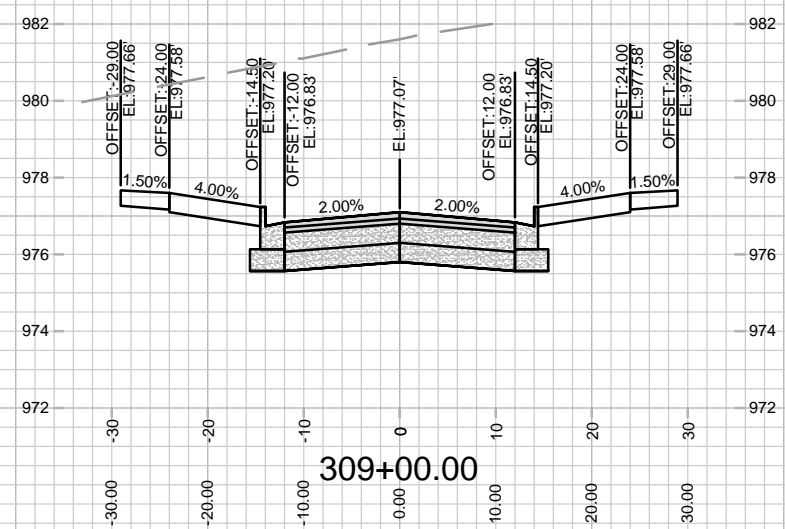
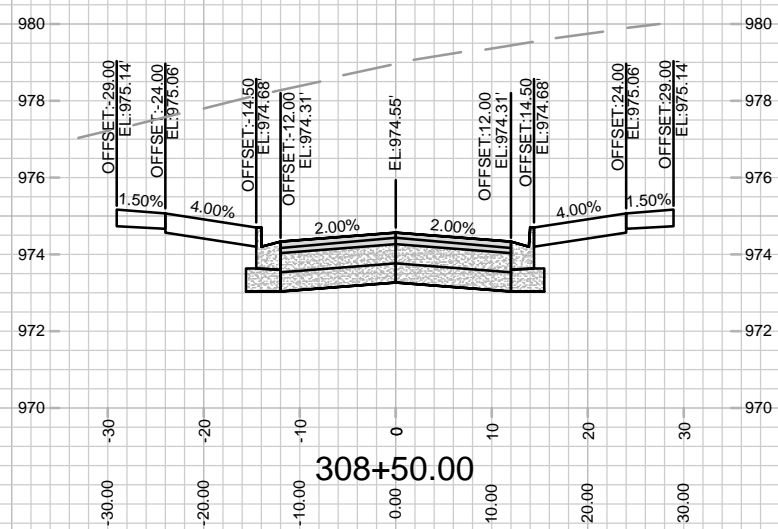
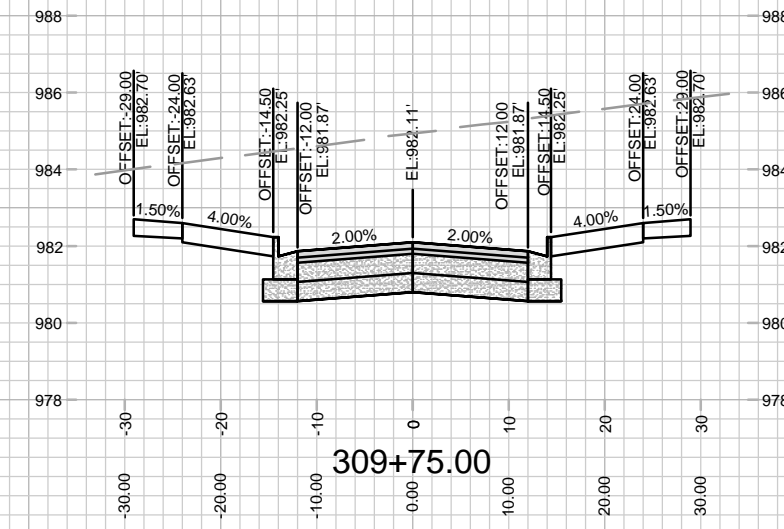
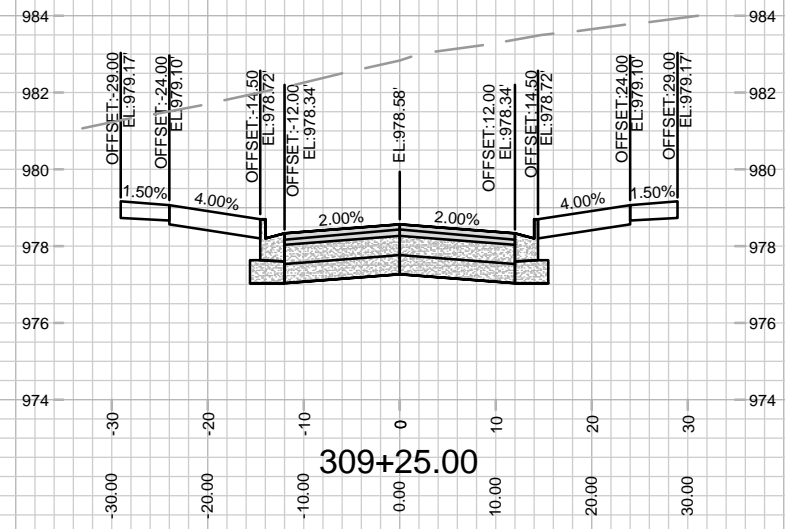
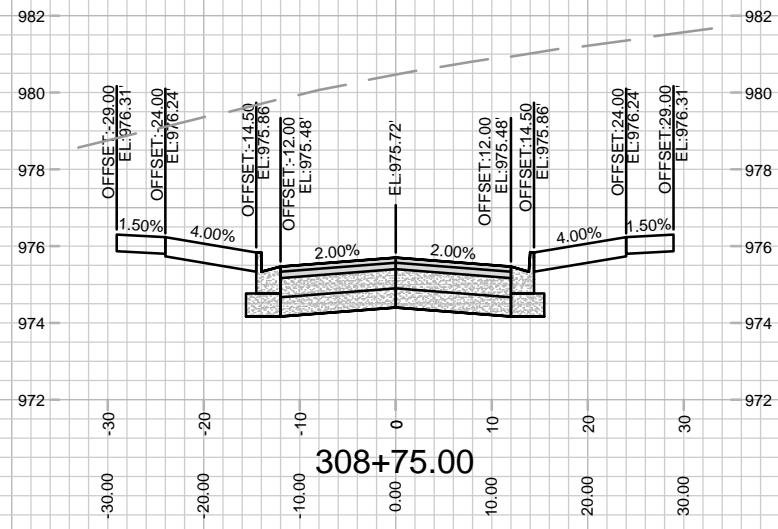
MARK	REVISION	DATE	BY

14929  
 MADISON, WI  
 9378  
 CONTRACT NO:

CROSS SECTIONS - WOODBINE DRIVE  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



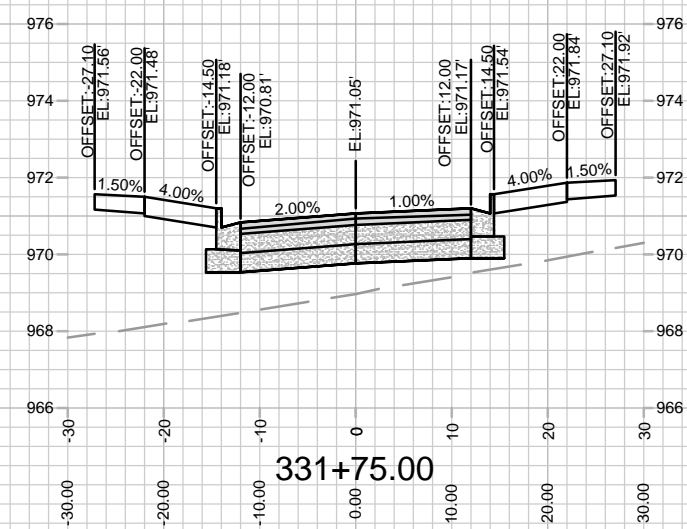
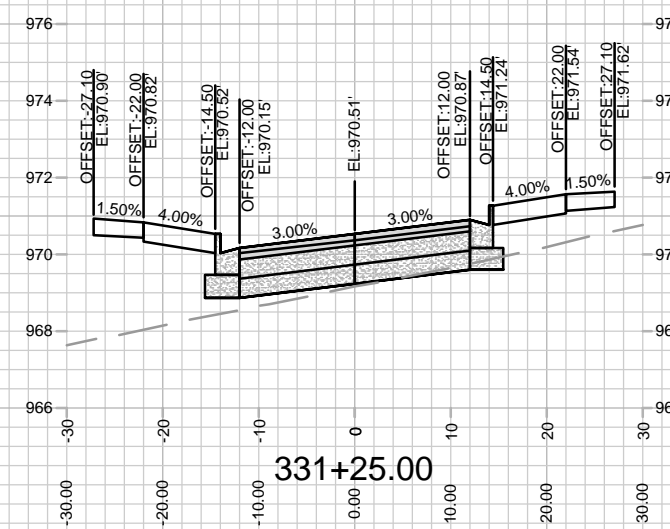
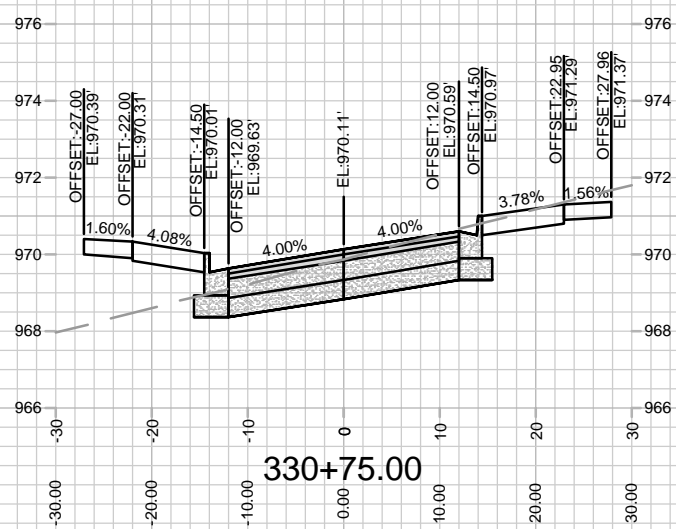
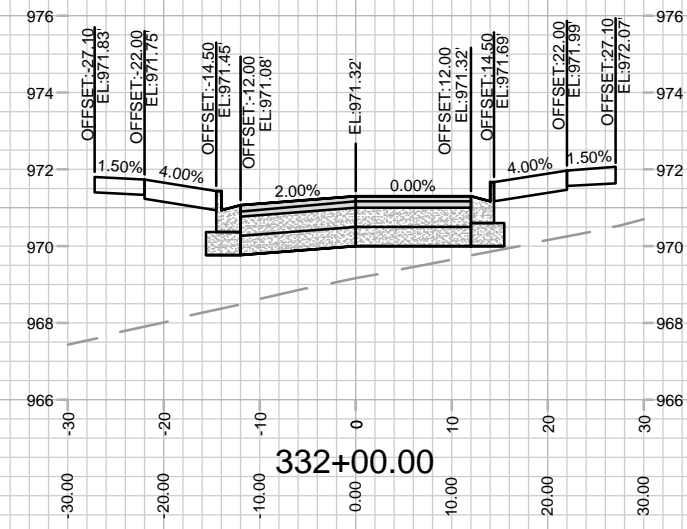
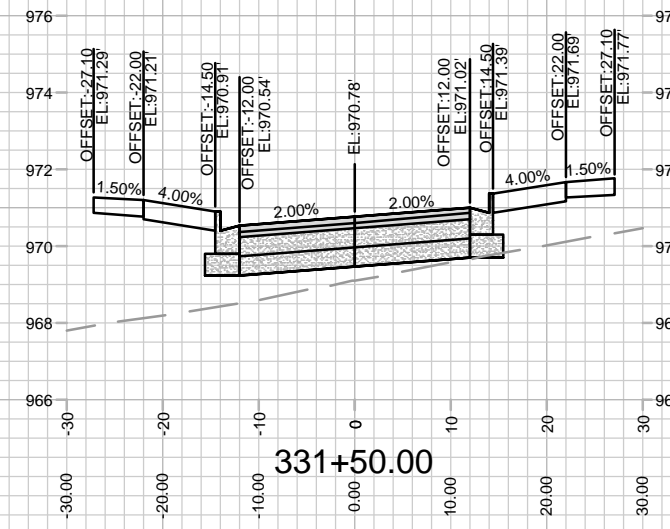
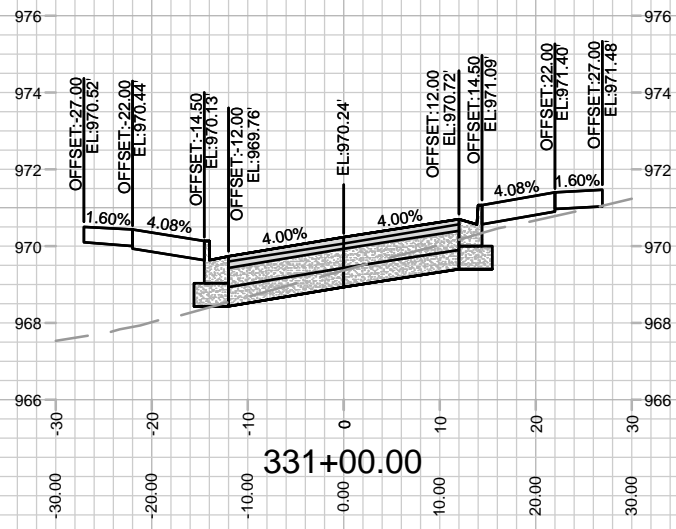
14929  
 X-10



MARK	REVISION	DATE	BY

14929  
 MADISON, WI  
 9378  
 CONTRACT NO:


CROSS SECTIONS - WOODBINE DRIVE  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



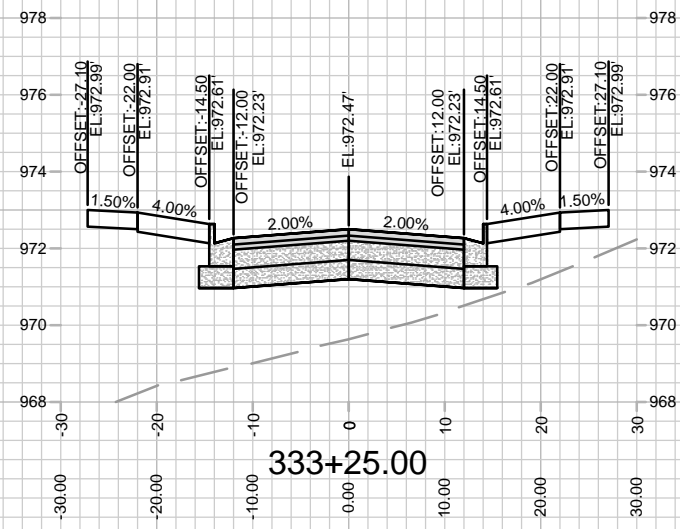
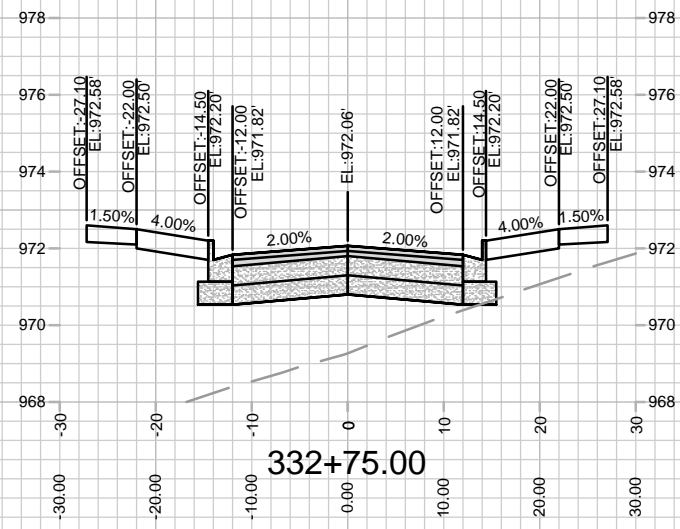
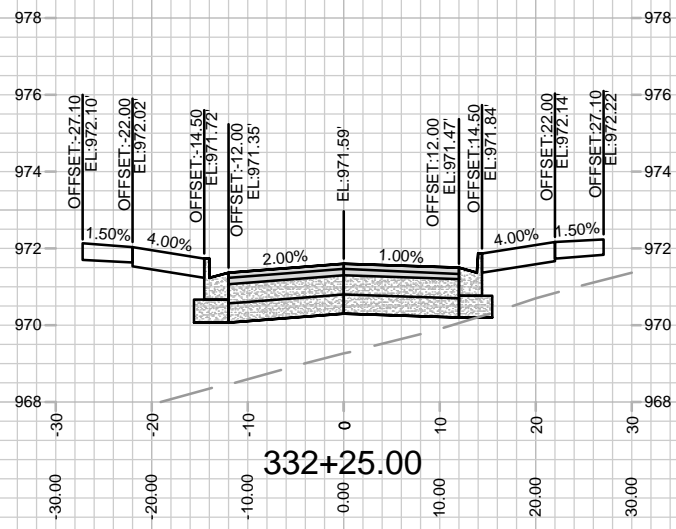
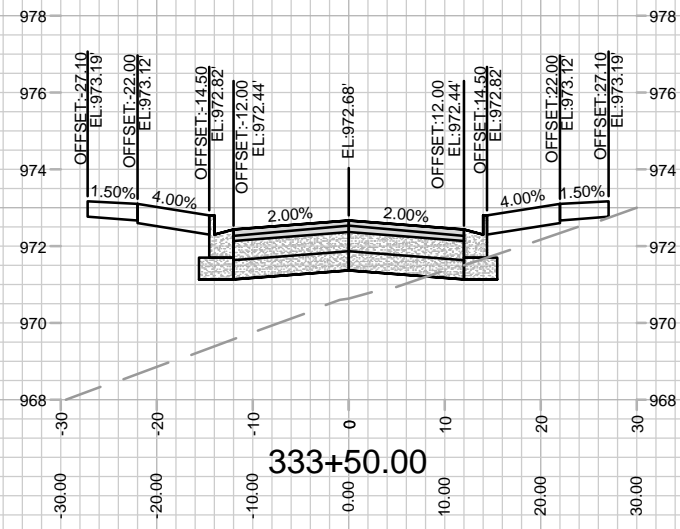
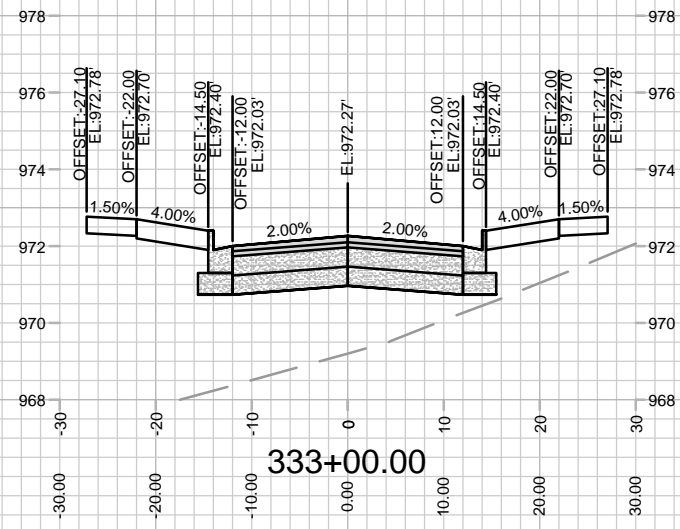
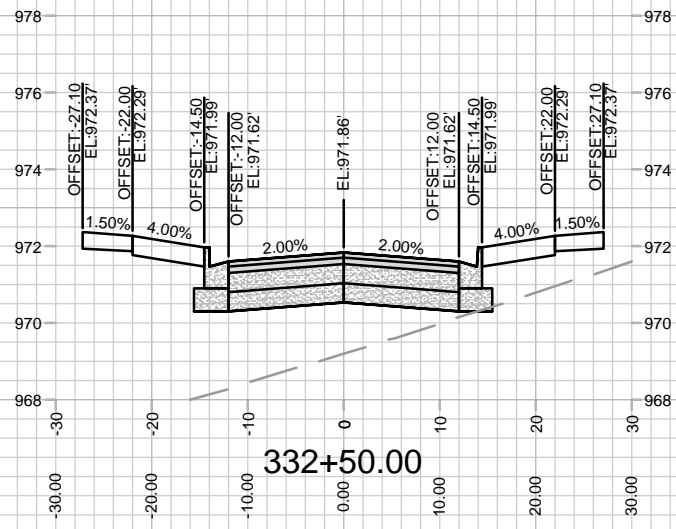
MARK	REVISION	DATE	BY
14929			
Designed By: EEA	Date: 7/26/2024 12:40 PM	Scale: 1" = 20'	X-12

14929  
MADISON, WI  
9378  
CONTRACT NO:

CROSS SECTIONS - AUGUST MOON DRIVE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



14929  
X-12



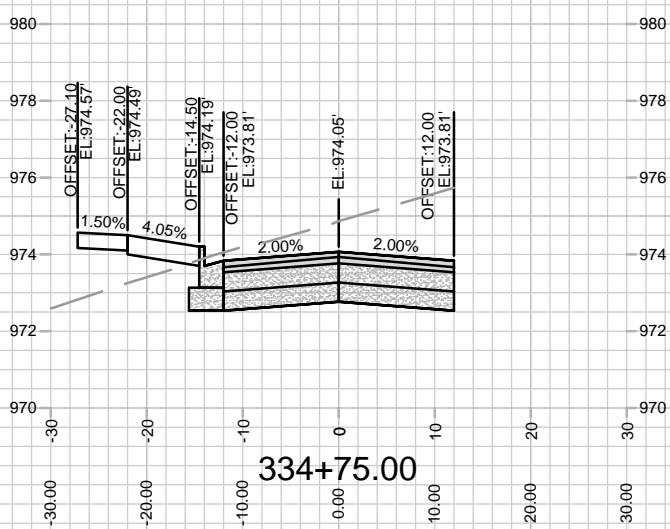
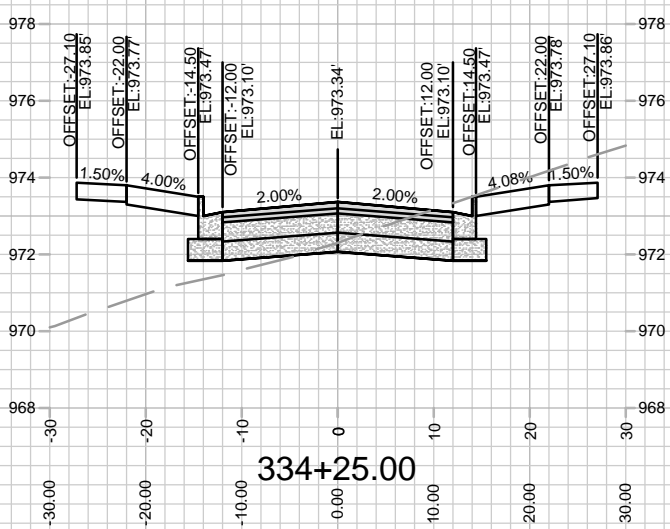
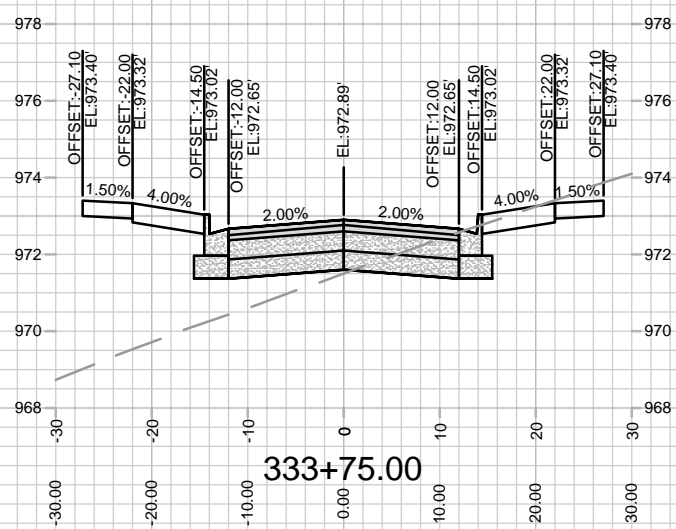
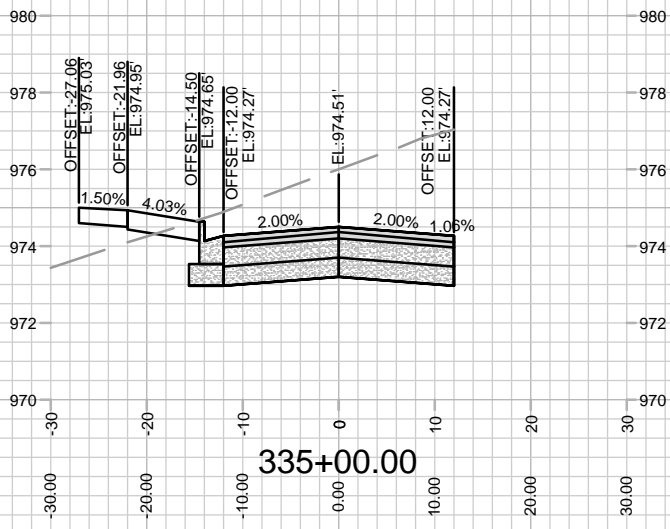
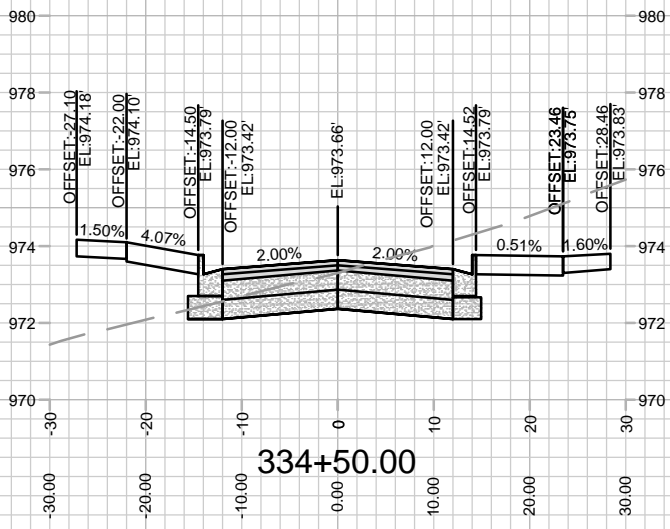
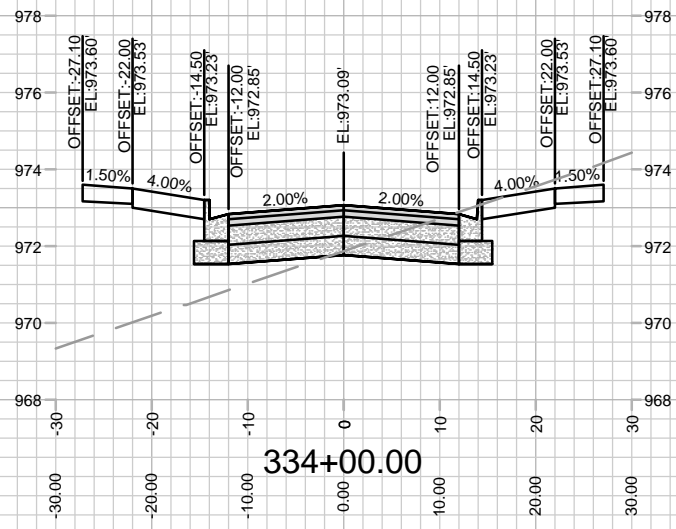
MARK	REVISION	DATE	BY
14929			
Designed By: EEA	Date: 7/26/2024 12:40 PM	Scale: 1" = 20'	X-13

14929  
MADISON, WI  
9378  
CONTRACT NO:

CROSS SECTIONS - AUGUST MOON DRIVE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



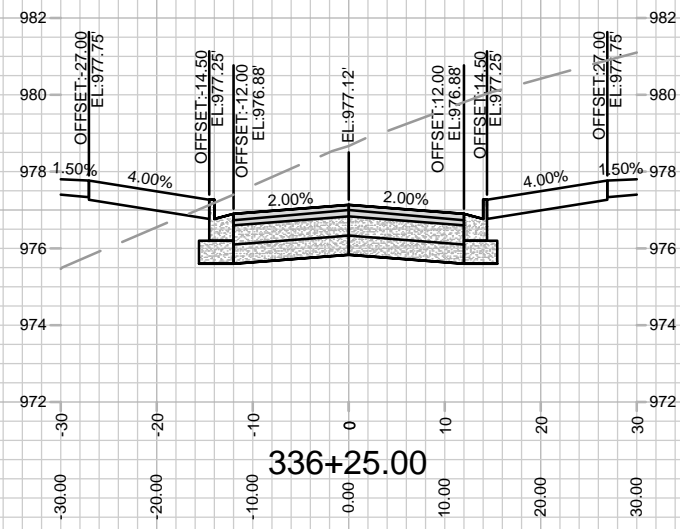
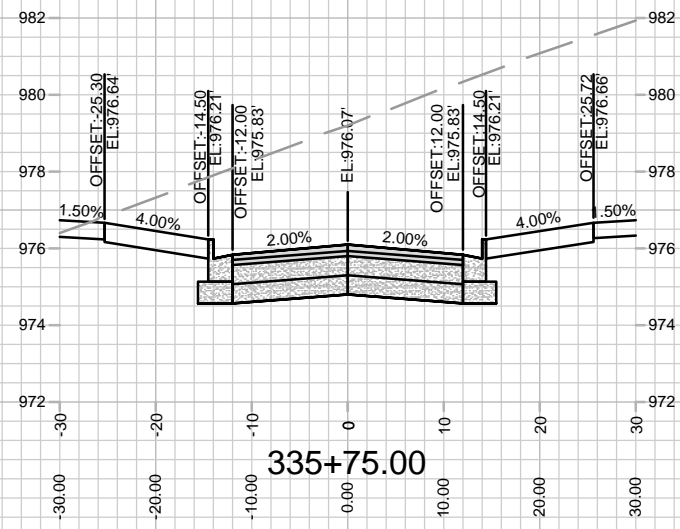
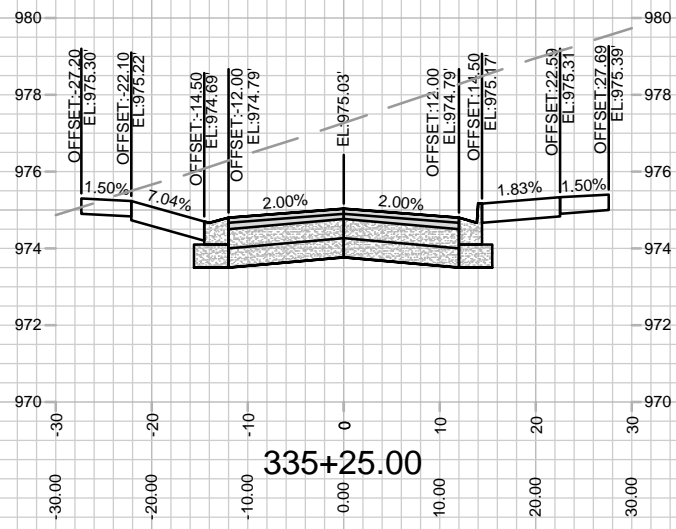
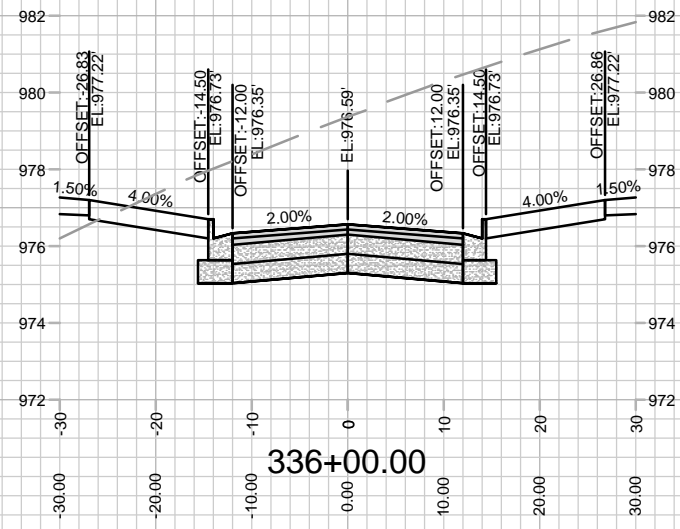
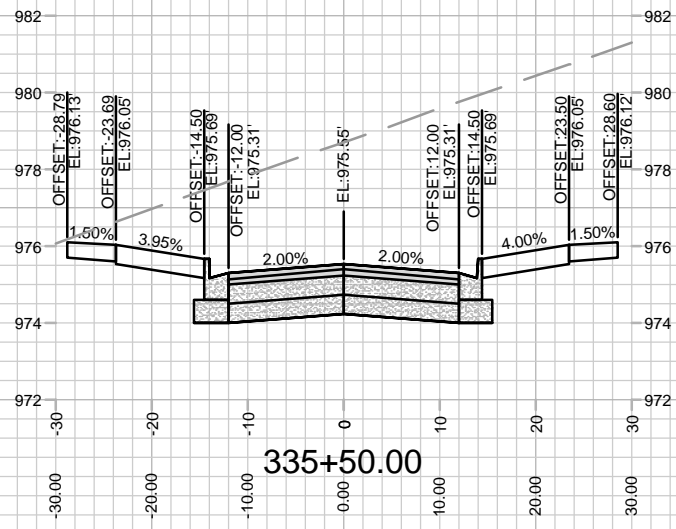
14929  
X-13



MARK	REVISION	DATE	BY
14929	7/26/2024 12:40 PM		X-14

14929  
MADISON, WI  
9378  
CONTRACT NO:

CROSS SECTIONS - AUGUST MOON DRIVE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



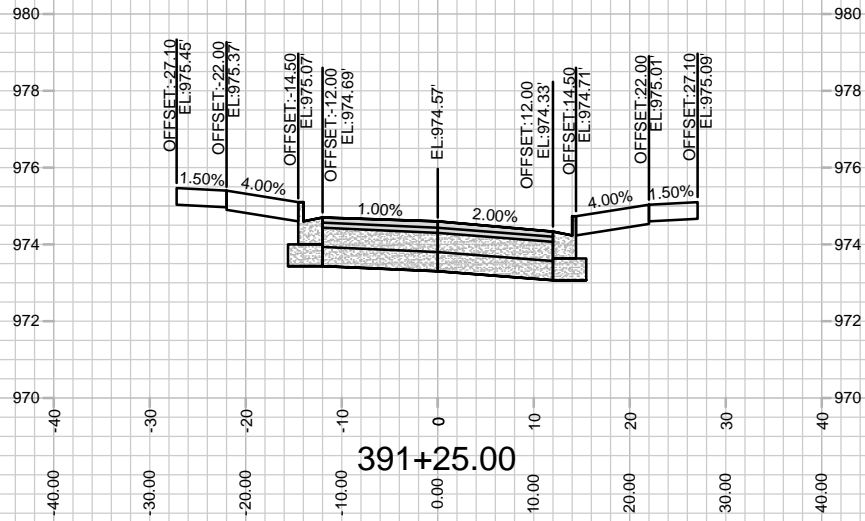
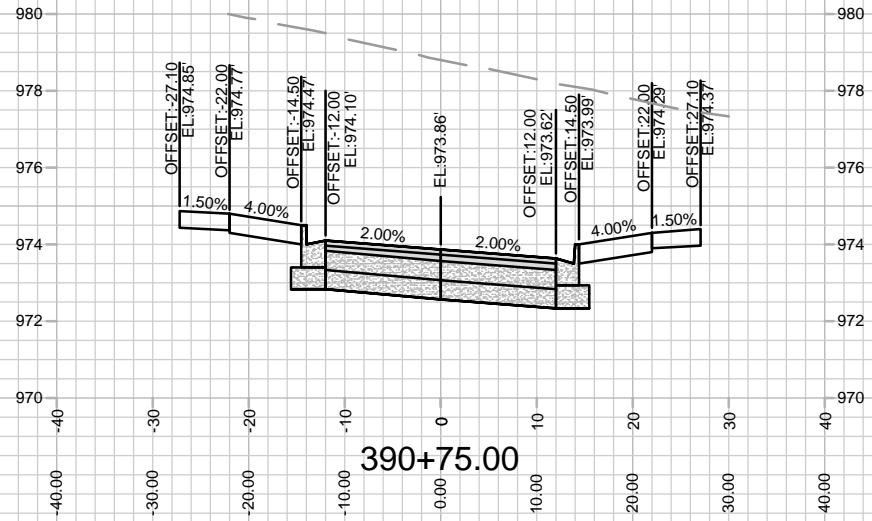
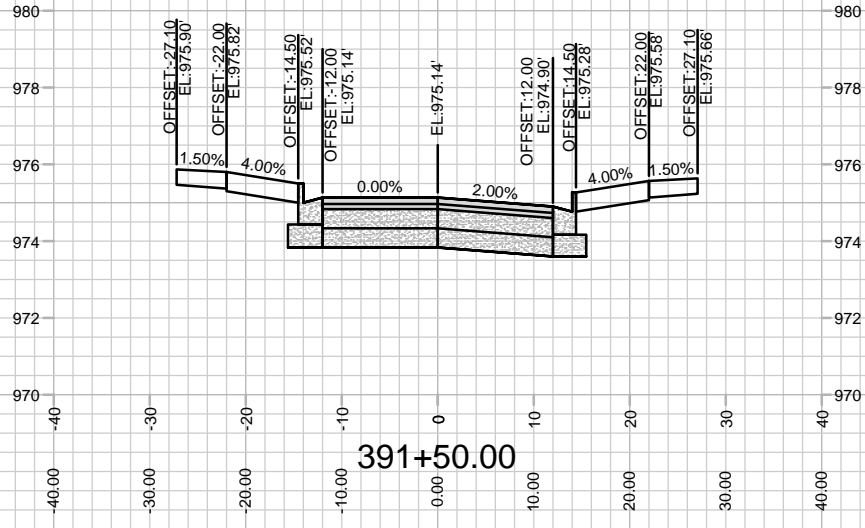
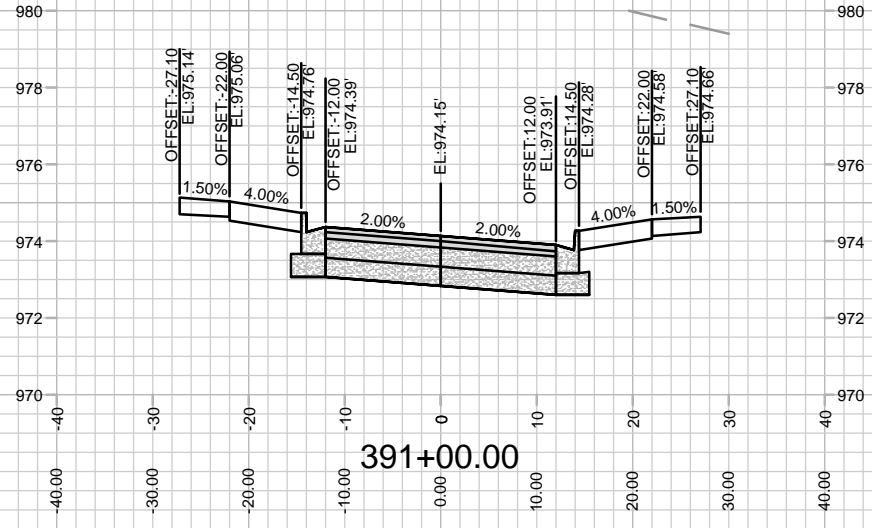
MARK	REVISION	DATE	BY
14929	7/26/2024 12:40 PM		X-15

14929  
MADISON, WI  
9378  
CONTRACT NO:

CROSS SECTIONS - AUGUST MOON DRIVE  
VILLAGE AT AUTUMN LAKE - PHASE 15  
M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



14929  
X-15



MARK	REVISION	DATE	BY

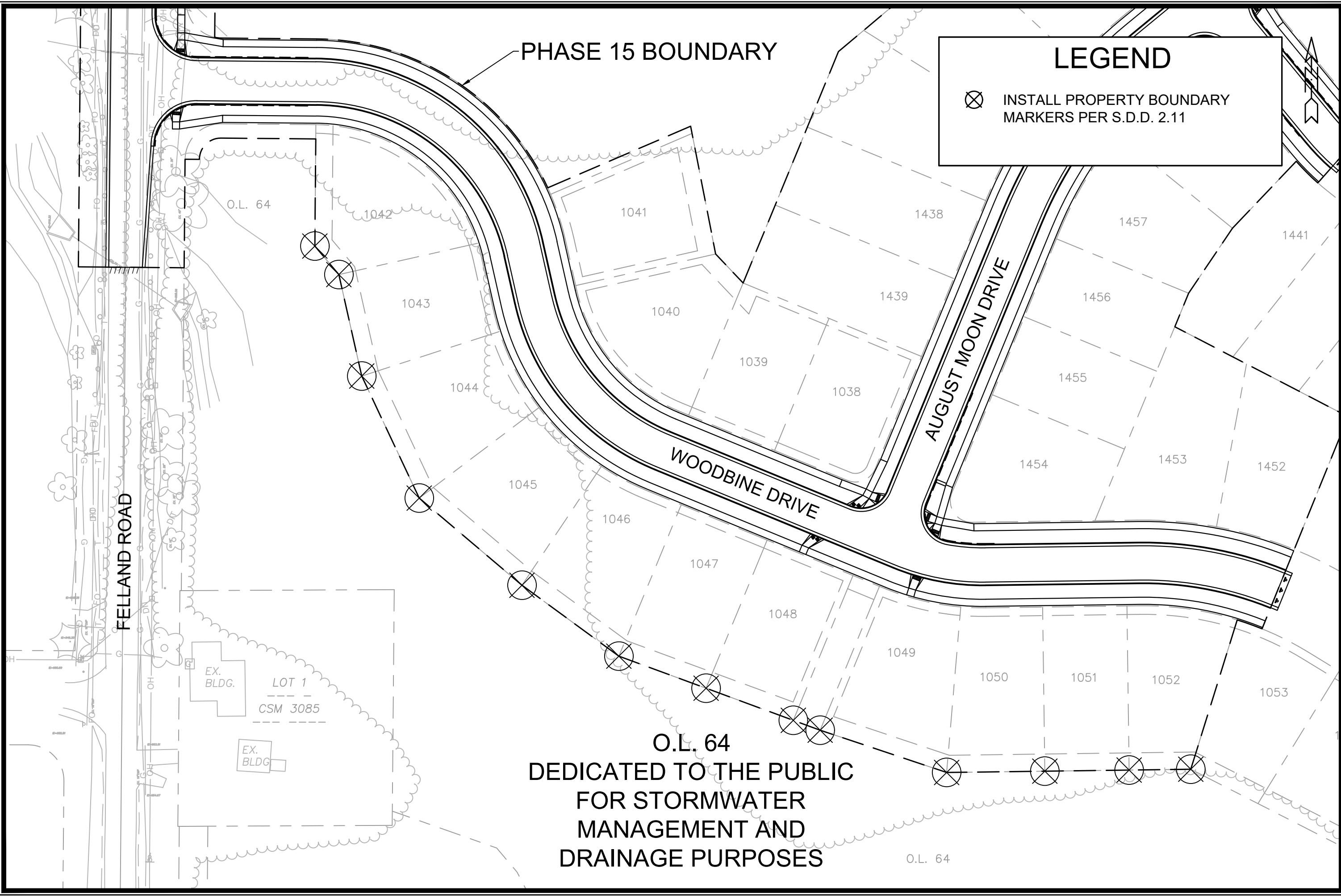
14929  
 MADISON, WI  
 9378  
 CONTRACT NO:

CROSS SECTIONS - CLOVER BASIN LANE  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-Xsections.dwg



14929  
 X-16





**LEGEND**

⊗ INSTALL PROPERTY BOUNDARY MARKERS PER S.D.D. 2.11

MARK	REVISION	DATE	BY
14929	Designed By: EEA	Date: 4/9/2024 10:00 AM	Scale: 1"=60'
14929			PBM-1

14929  
 MADISON, WI  
 9378  
 CONTRACT NO:  
 PROP. BOUNDARY MARKERS PLAN  
 VILLAGE AT AUTUMN LAKE - PHASE 15  
 M:\DESIGN\Projects\14929\CAD\Streets\14929EN-OverviewPlan.dwg



14929  
 PBM-1

