



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## VILLAGE AT AUTUMN LAKE

### PHASE 14

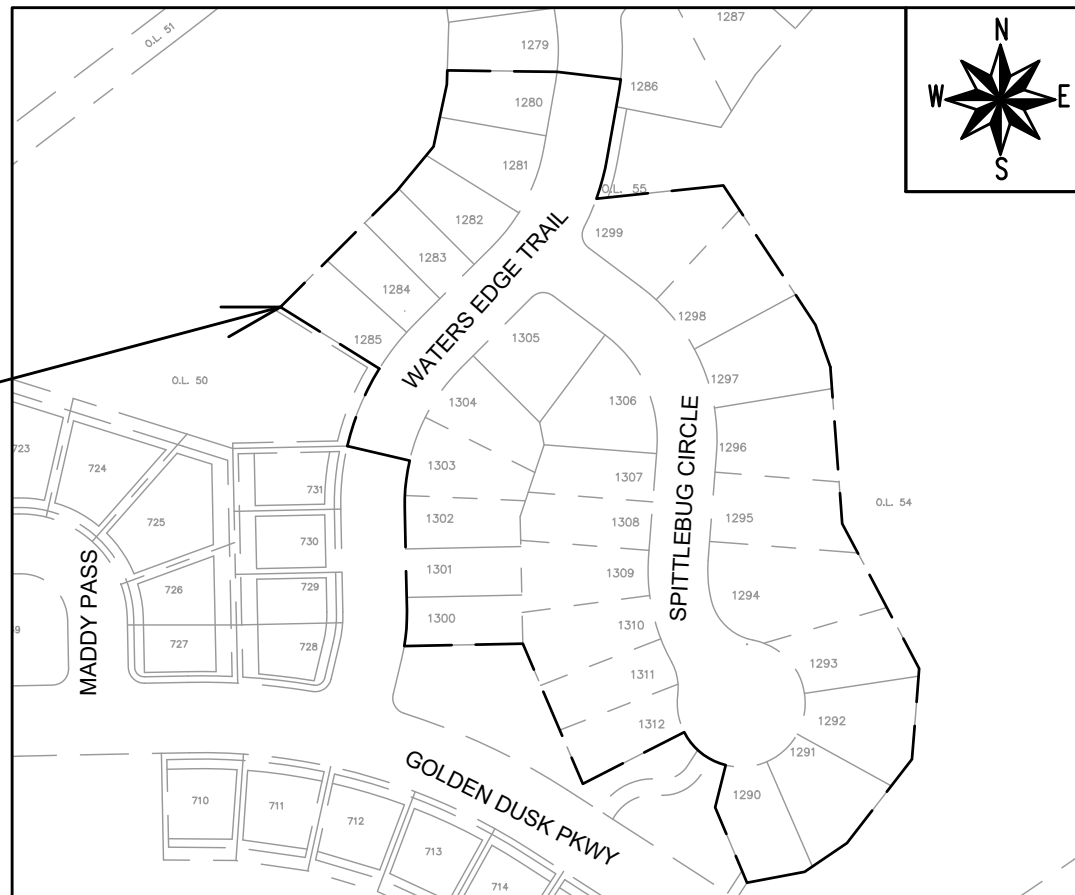
CITY PROJECT NO. 14927  
CONTRACT NO. 9381/9382

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Revision 1 05/30/2024

### PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE: FEBRUARY 13, 2024

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Chris Petykowski Apr 16, 2024

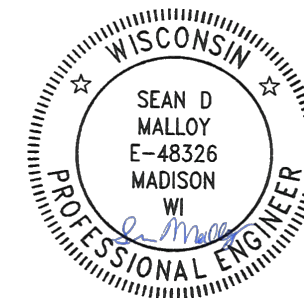
City Engineer Date

STREET DESIGNED BY:



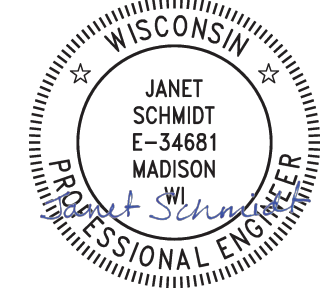
Apr 16, 2024

GEOMETRY DESIGNED BY:



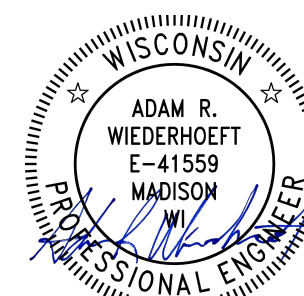
Apr 16, 2024

STORM SEWER DESIGNED BY:



Apr 16, 2024

WATER DESIGNED BY:



Apr 16, 2024

SANITARY SEWER DESIGNED BY:



Apr 16, 2024

PLOT SCALE: 1"=1'-0" XREF  
PLOT NAME: ---  
REV. DATE: 4/16/2024 12:29 PM




ORIGINATOR: CITY\_OF\_MADISON

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

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

CONTACT THE PROJECT ENGINEER AND DESIGNER, NASHALY GUTIERREZ, AT NGUTIERREZ@CITYOFMADISON.COM FOR CAD FILES 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 WATERS EDGE TRAIL, AND SPITTLEBUG CIRCLE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

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

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK UNLESS OTHERWISE INDICATED ON THE PLANS.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO S.D.D 3.05.

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

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

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

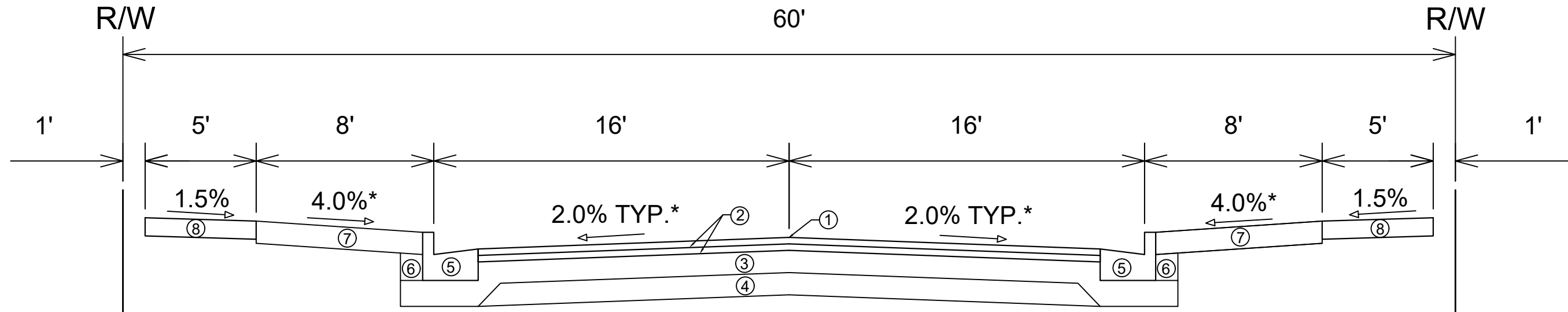
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MADISON, WI  
CONTRACT NO: 93819382

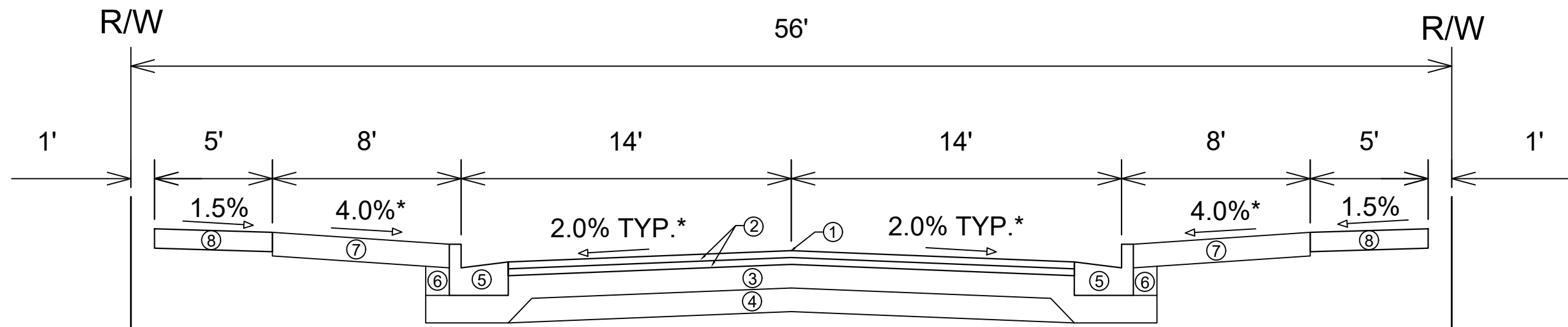
STANDARD NOTES  
VILLAGE AT AUTUMN LAKE PHASE 14  
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14927  
D-1



TYPICAL SECTION  
WATERS EDGE TRAIL



TYPICAL SECTION  
SPITTLEBUG CIRCLE

SPECIAL NOTES:

\*SEE P & X SHEETS FOR CROSS SLOPES

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

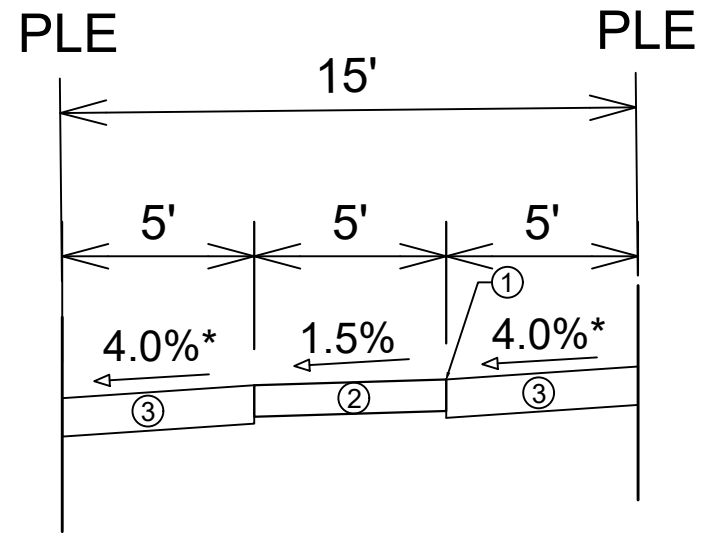
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14927  
MADISON, WI  
CONTRACT NO: 93819382

TYPICAL SECTIONS  
VILLAGE AT AUTUMN LAKE PHASE 14  
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14927  
D-2



TYPICAL SECTION  
OL SIDEWALK

SPECIAL NOTES:

\*SEE P & X SHEETS FOR CROSS SLOPES

- ① POINT REFERRED TO ON PROFILE
- ② 5" CONCRETE SIDEWALK
- ③ 6" TOPSOIL, SEED AND MATTING

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MADISON, WI  
CONTRACT NO: 9381/9382



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D-3

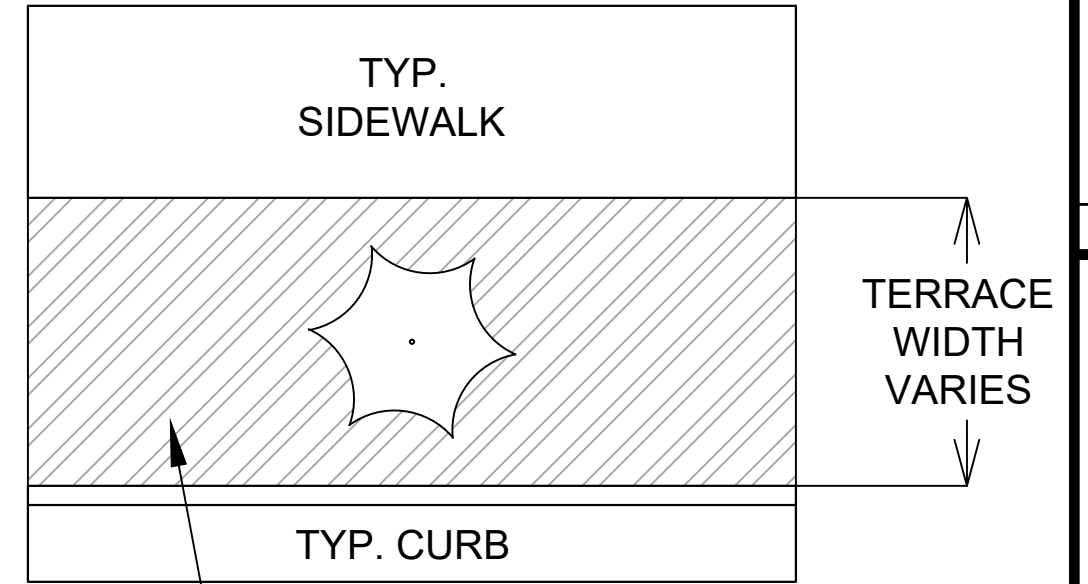
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VILLAGE AT AUTUMN LAKE PHASE 14  
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**TERRACE EXCAVATION FOR TREE PLANTING:**

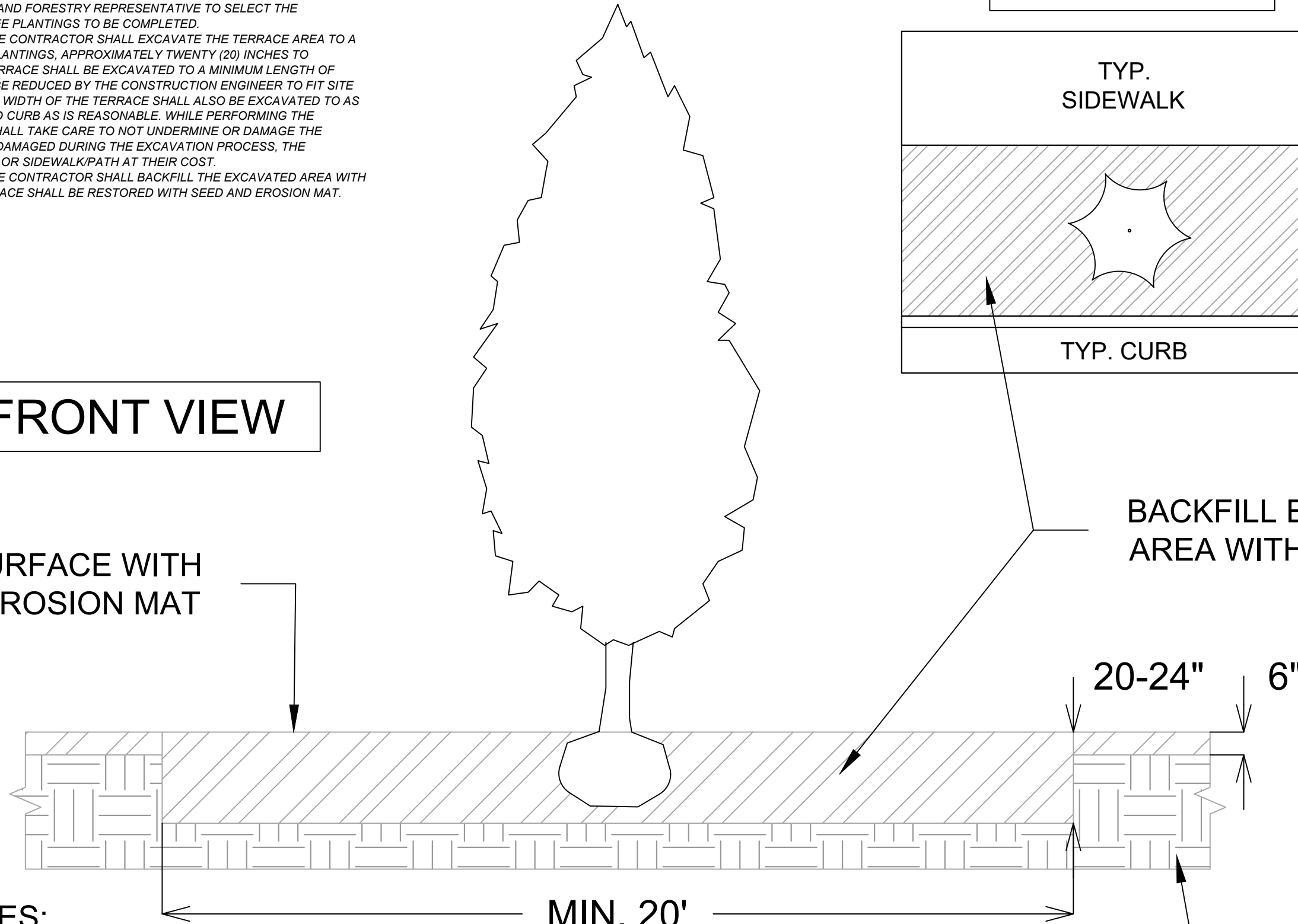
THIS INCLUDES ALL WORK NECESSARY TO EXCAVATE AREAS WITHIN GRASS TERRACES TO AN APPROPRIATE DEPTH SUITABLE FOR NEW TREE PLANTINGS. ALL WORK SHALL BE IN ACCORDANCE WITH ARTICLE 201 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND FORESTRY REPRESENTATIVE TO SELECT THE APPROPRIATE LOCATIONS FOR TREE PLANTINGS TO BE COMPLETED. 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.

**TOP VIEW**



**FRONT VIEW**

RESTORE SURFACE WITH SEED AND EROSION MAT



BACKFILL EXCAVATED AREA WITH TOPSOIL

**SPECIAL NOTES:**

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

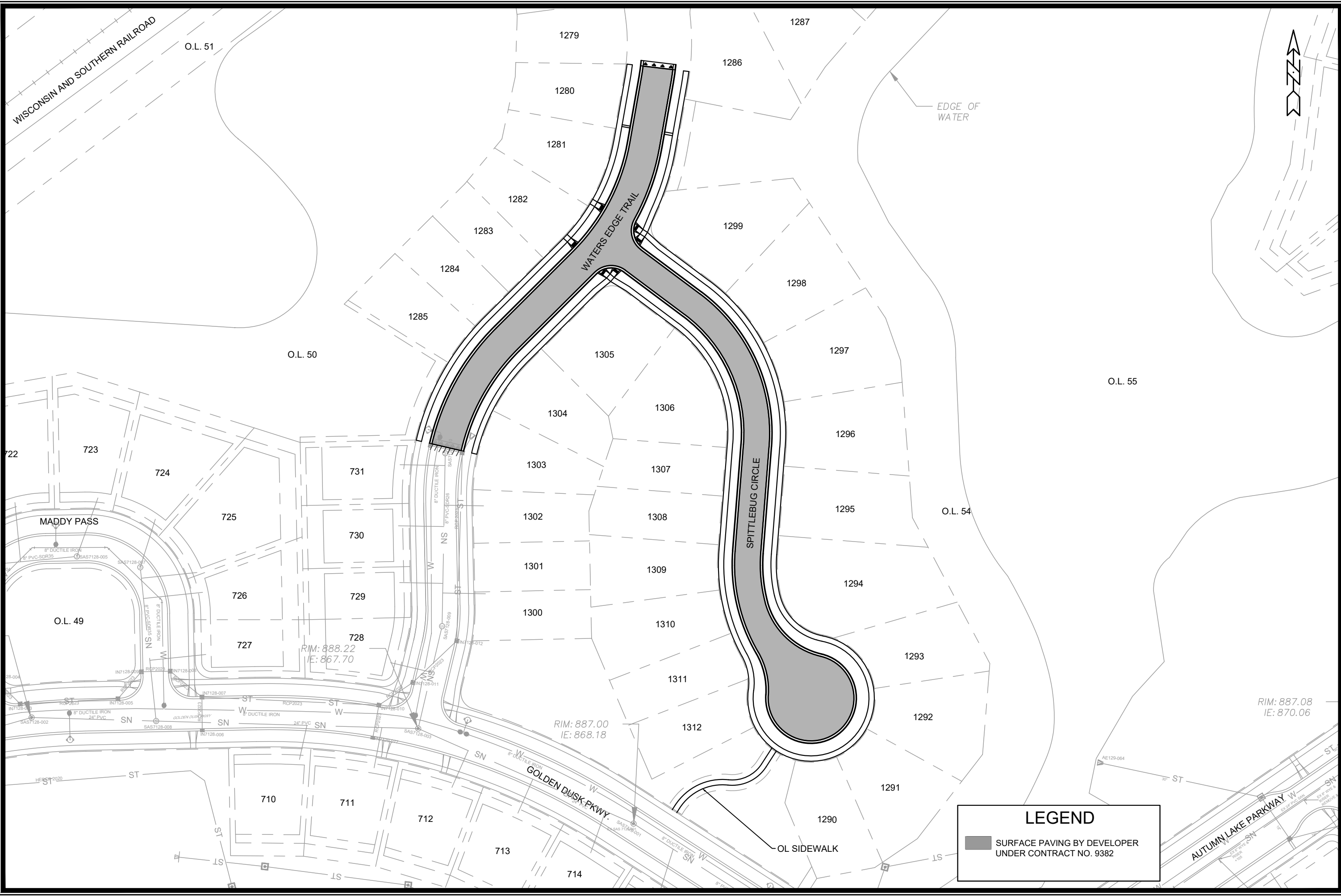
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MADISON, WI  
CONTRACT NO: 9381/9382

TERRACE EXCAVATION FOR TREE PLANTING  
VILLAGE AT AUTUMN LAKE PHASE 14  
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D-4



**LEGEND**

■ SURFACE PAVING BY DEVELOPER UNDER CONTRACT NO. 9382

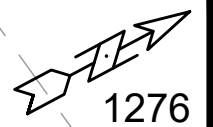
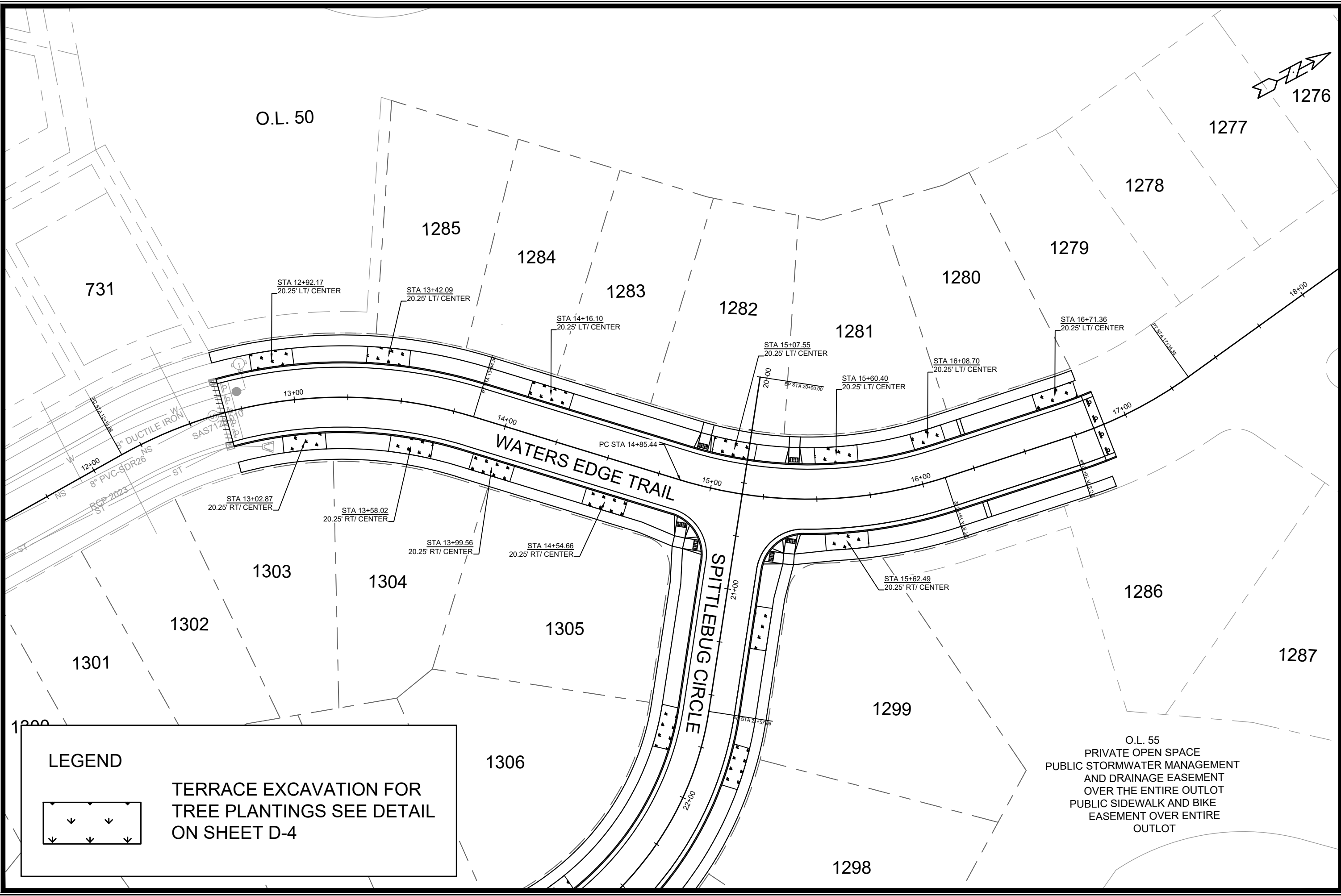
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 MADISON, WI  
 CONTRACT NO: 9381/9382

OVERVIEW PLAN  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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 O-1





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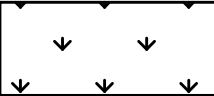
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 MADISON, WI  
 CONTRACT NO: 9381/9382

LANDSCAPING PLAN - WATERS EDGE TRAIL  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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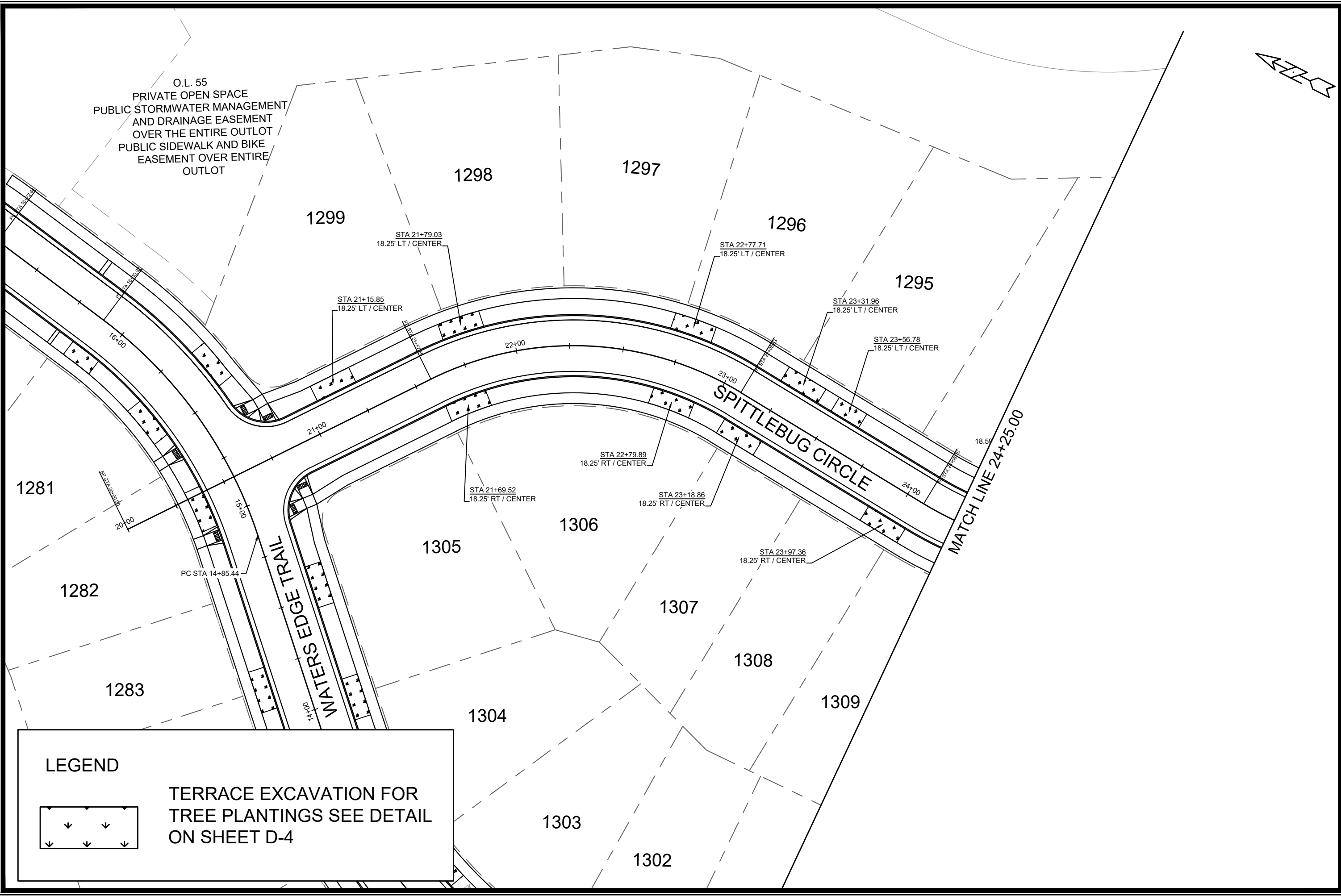
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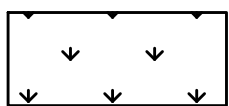

 TERRACE EXCAVATION FOR TREE PLANTINGS SEE DETAIL ON SHEET D-4

O.L. 55  
 PRIVATE OPEN SPACE  
 PUBLIC STORMWATER MANAGEMENT AND DRAINAGE EASEMENT OVER THE ENTIRE OUTLOT  
 PUBLIC SIDEWALK AND BIKE EASEMENT OVER ENTIRE OUTLOT

O.L. 55  
 PRIVATE OPEN SPACE  
 PUBLIC STORMWATER MANAGEMENT  
 AND DRAINAGE EASEMENT  
 OVER THE ENTIRE OUTLOT  
 PUBLIC SIDEWALK AND BIKE  
 EASEMENT OVER ENTIRE  
 OUTLOT



**LEGEND**


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 TREE PLANTINGS SEE DETAIL  
 ON SHEET D-4

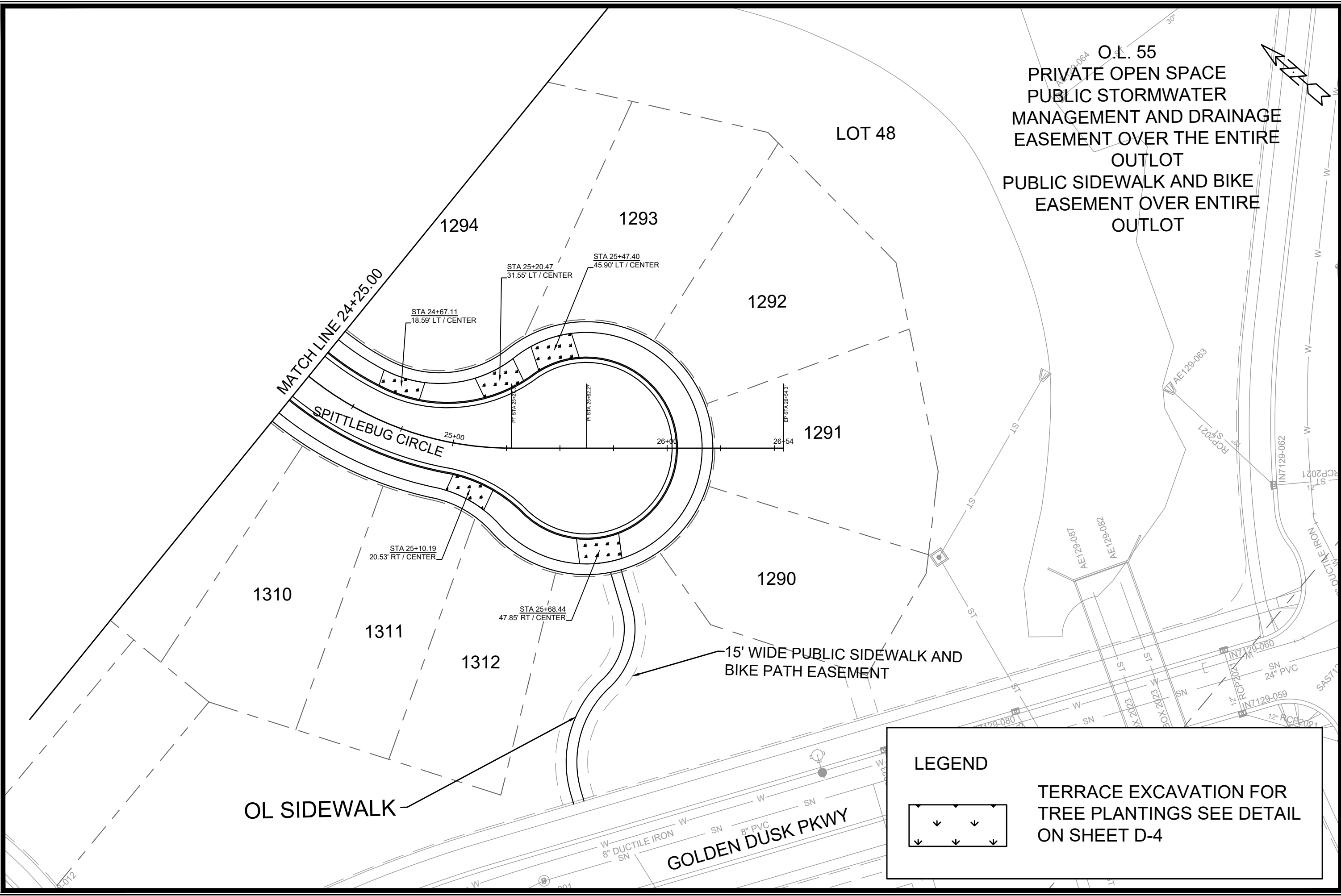
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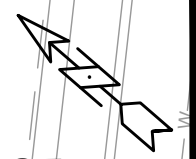
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 MADISON, WI  
 CONTRACT NO: 9381/9382

LANDSCAPING PLAN - SPITTLEBUG CIRCLE  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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O.L. 55  
 PRIVATE OPEN SPACE  
 PUBLIC STORMWATER  
 MANAGEMENT AND DRAINAGE  
 EASEMENT OVER THE ENTIRE  
 OUTLOT  
 PUBLIC SIDEWALK AND BIKE  
 EASEMENT OVER ENTIRE  
 OUTLOT



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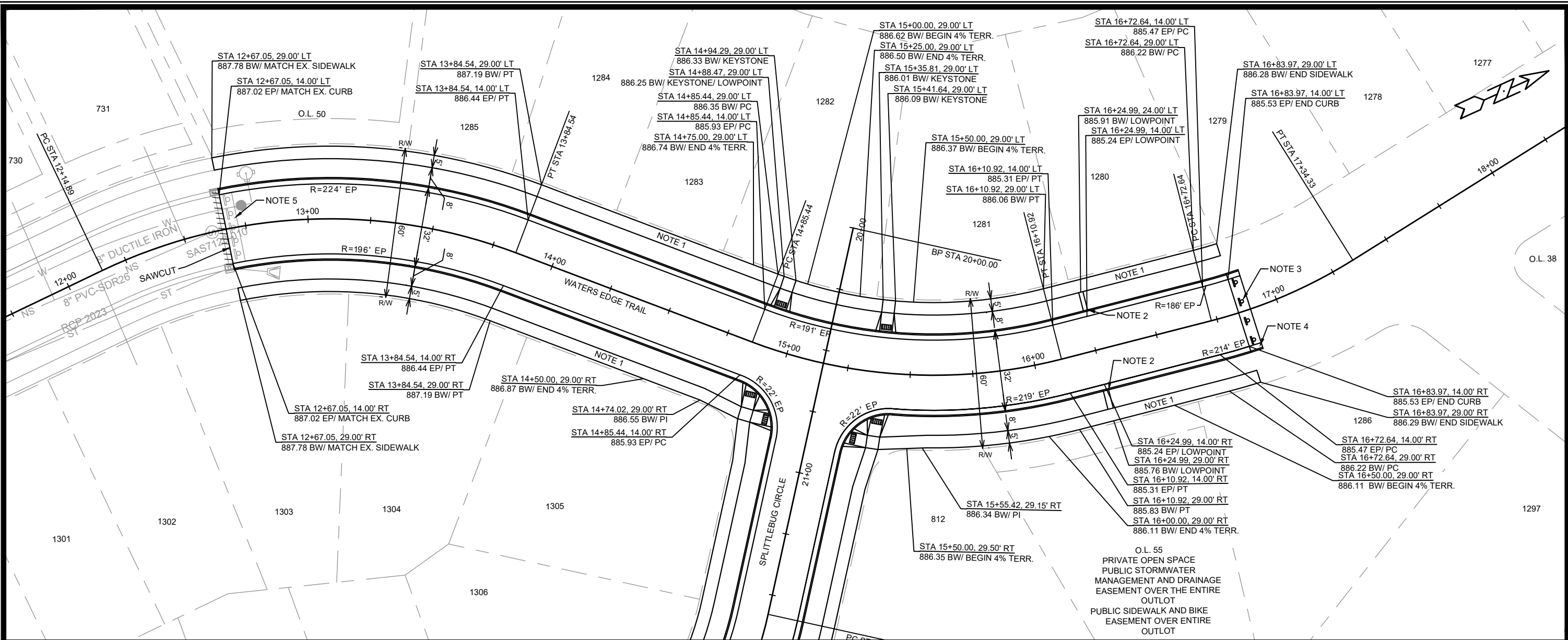
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14927  
 MADISON, WI  
 CONTRACT NO: 9381/9382

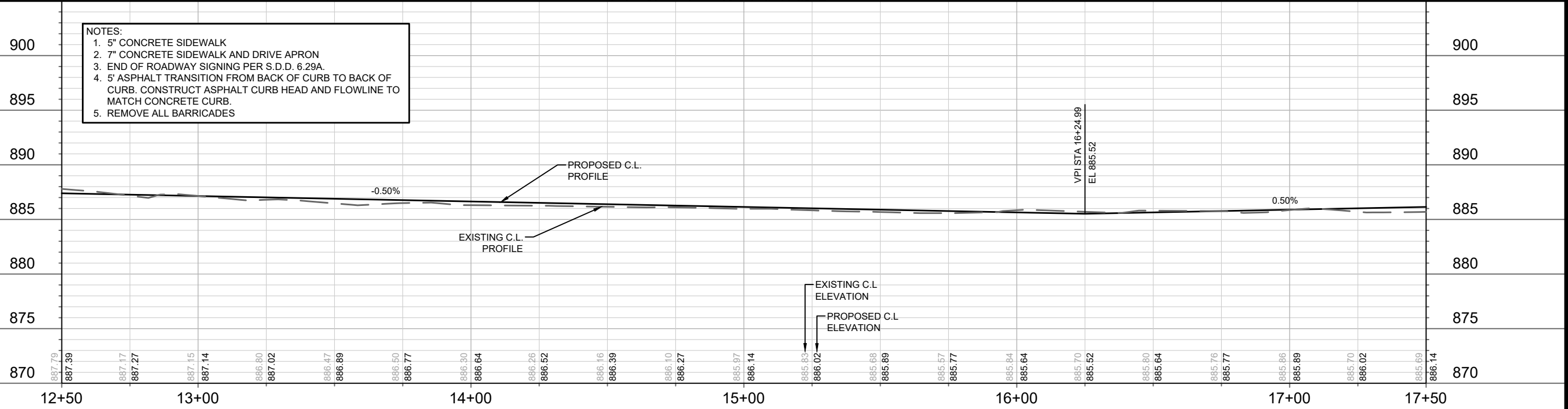
LANDSCAPING PLAN - SPITTLEBUG CIRCLE  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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14927  
 L-3



- NOTES:
- 5" CONCRETE SIDEWALK
  - 7" CONCRETE SIDEWALK AND DRIVE APRON
  - END OF ROADWAY SIGNING PER S.D.D. 6.29A.
  - 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
  - REMOVE ALL BARRICADES

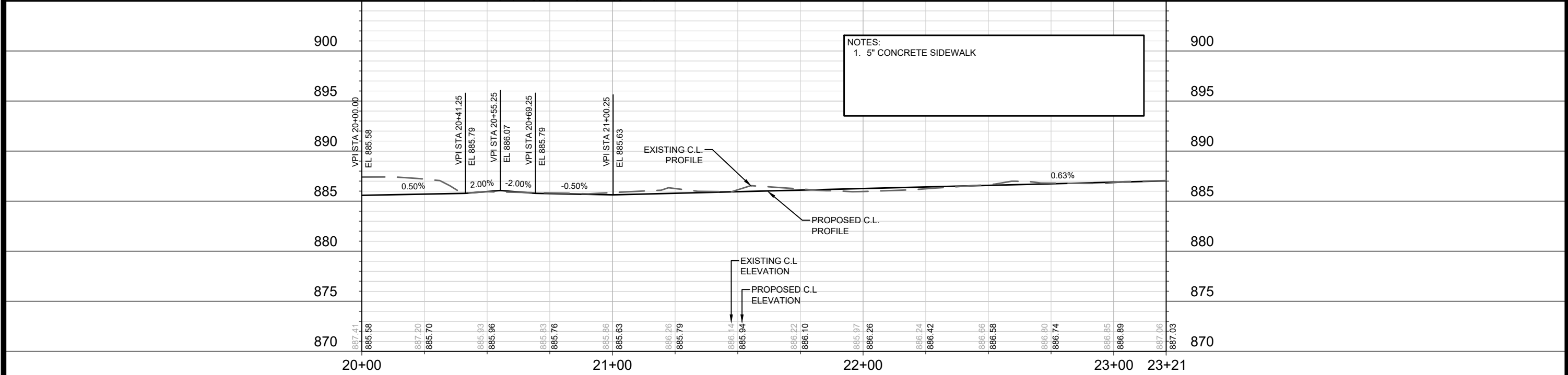
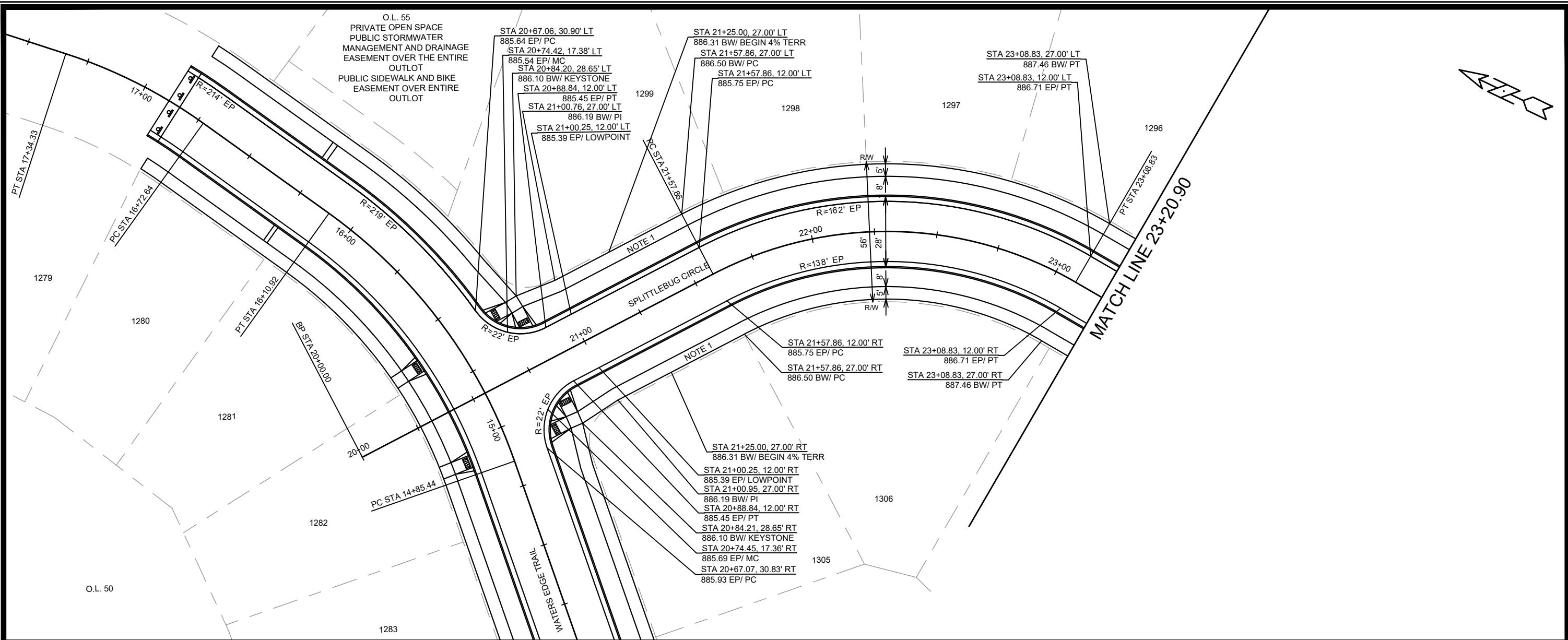


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MADISON, WI  
CONTRACT NO: 9381/9382

PLAN & PROFILE - WATERS EDGE TRIAL  
VILLAGE AT AUTUMN LAKE PHASE 14  
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P-1



NOTES:  
1. 5" CONCRETE SIDEWALK

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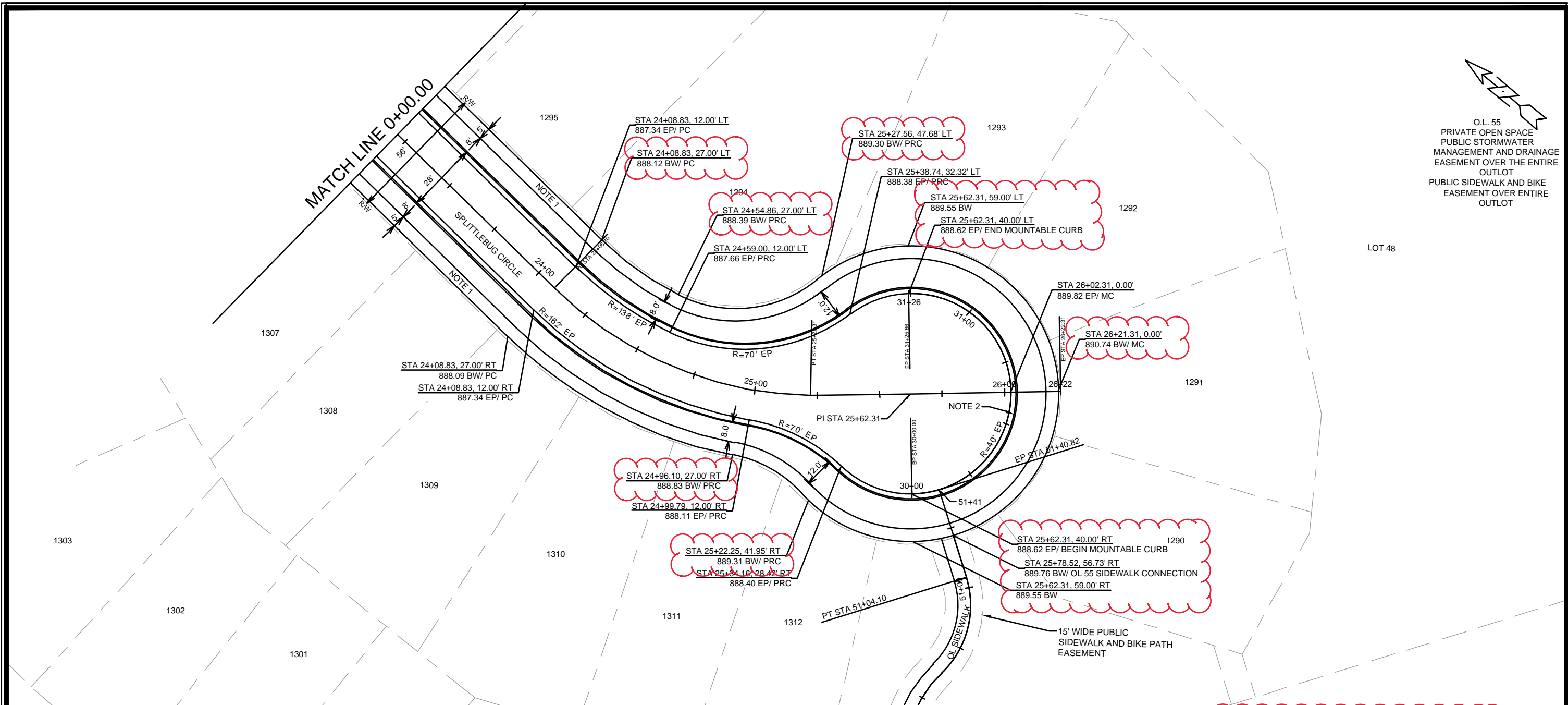
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MADISON, WI  
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PLAN & PROFILE - SPLITTLBUG CIRCLE  
VILLAGE AT AUTUMN LAKE PHASE 14  
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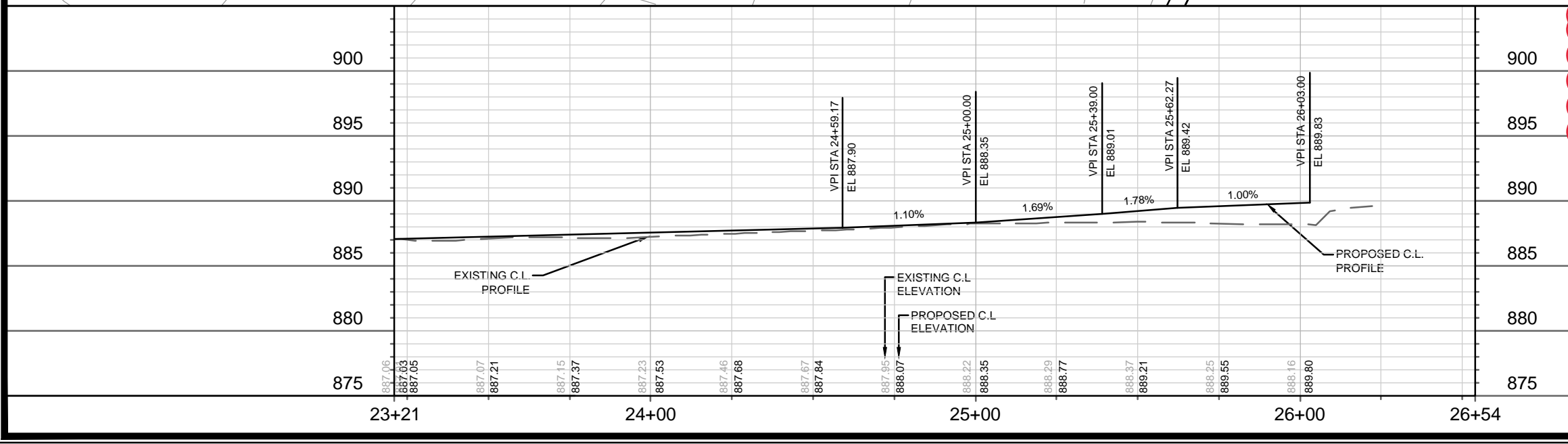


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P-2





O.L. 55  
PRIVATE OPEN SPACE  
PUBLIC STORMWATER  
MANAGEMENT AND DRAINAGE  
EASEMENT OVER THE ENTIRE  
OUTLOT  
PUBLIC SIDEWALK AND BIKE  
EASEMENT OVER ENTIRE  
OUTLOT



- NOTES:
- 5" CONCRETE SIDEWALK
  - TYPE 'A' MOUNTABLE CURB & GUTTER PER S.D.D. 3.06
- REVISED 5/30/2024 - F.B.E.G.
- UPDATE SIDEWALK GRADES ALONG CUL-DE-SAC
  - ADD MOUNTABLE CURB ALONG CUL-DE-SAC

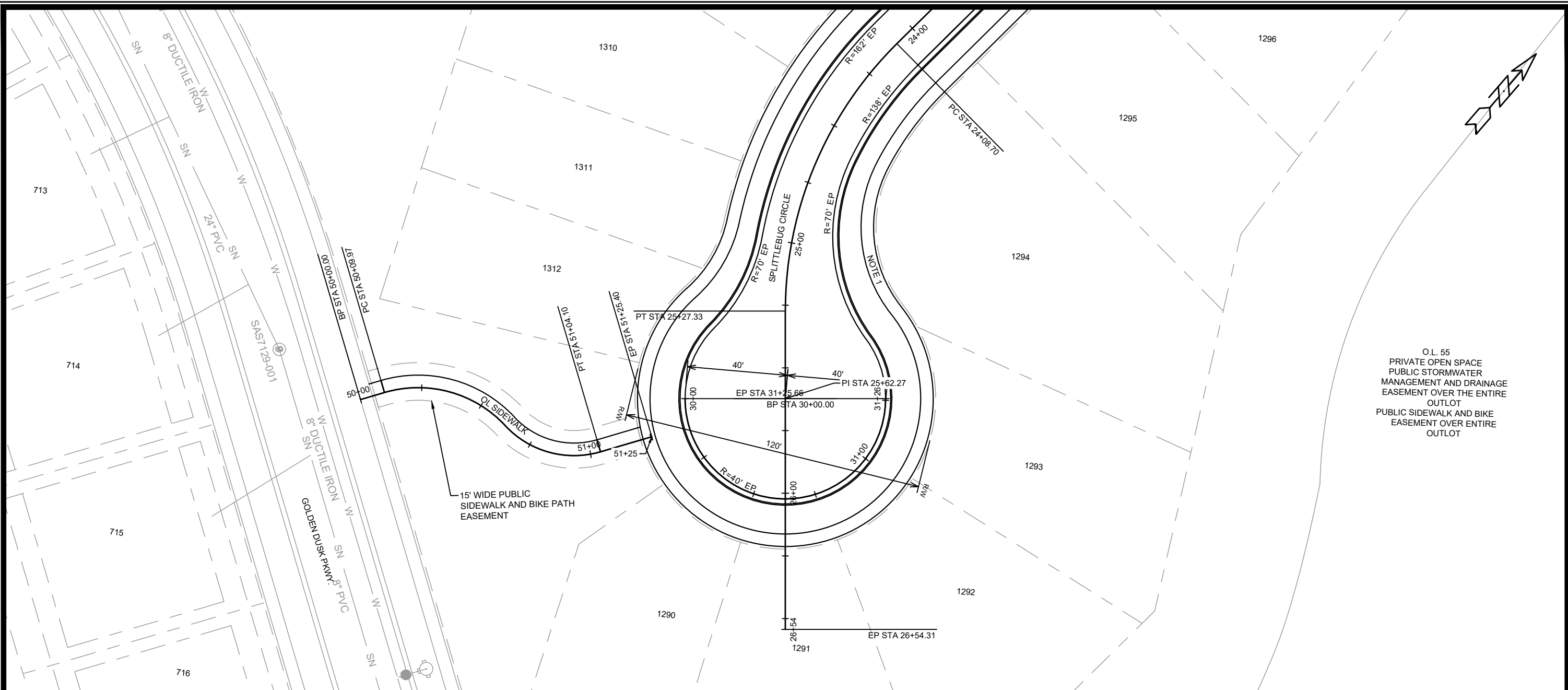
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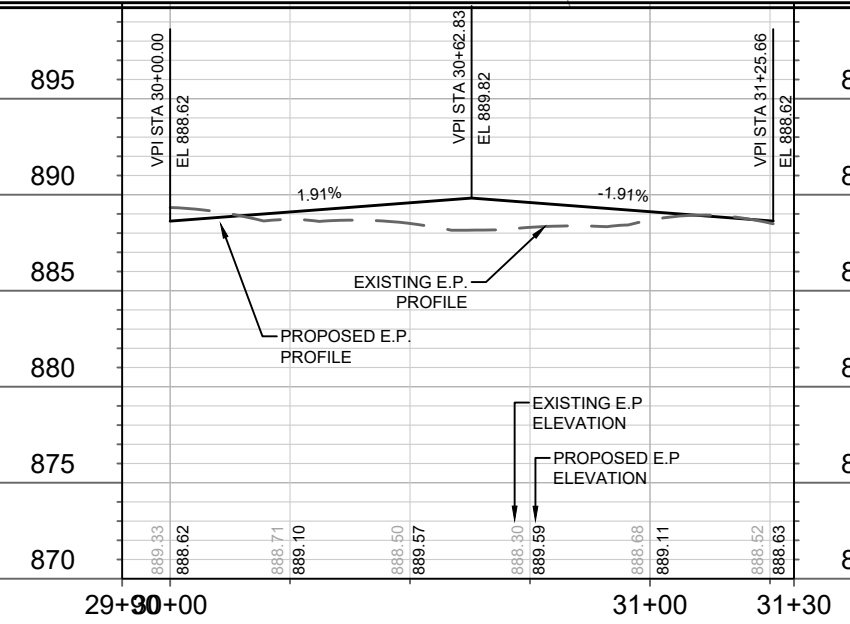
PLAN & PROFILE - SPITTLEBUG CIRCLE  
VILLAGE AT AUTUMN LAKE PHASE 14  
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P-3





NOTES:  
 1. 5" CONCRETE SIDEWALK



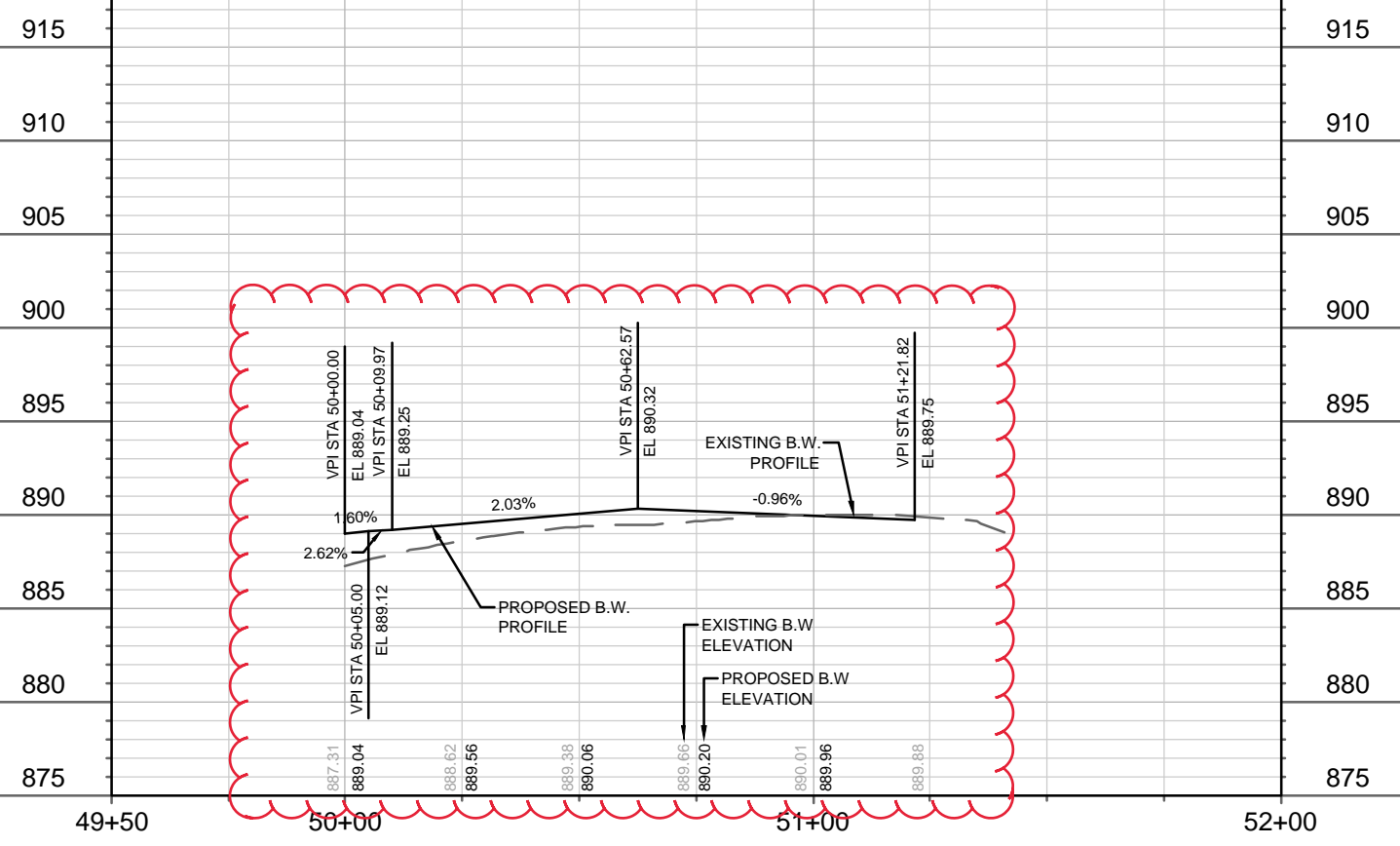
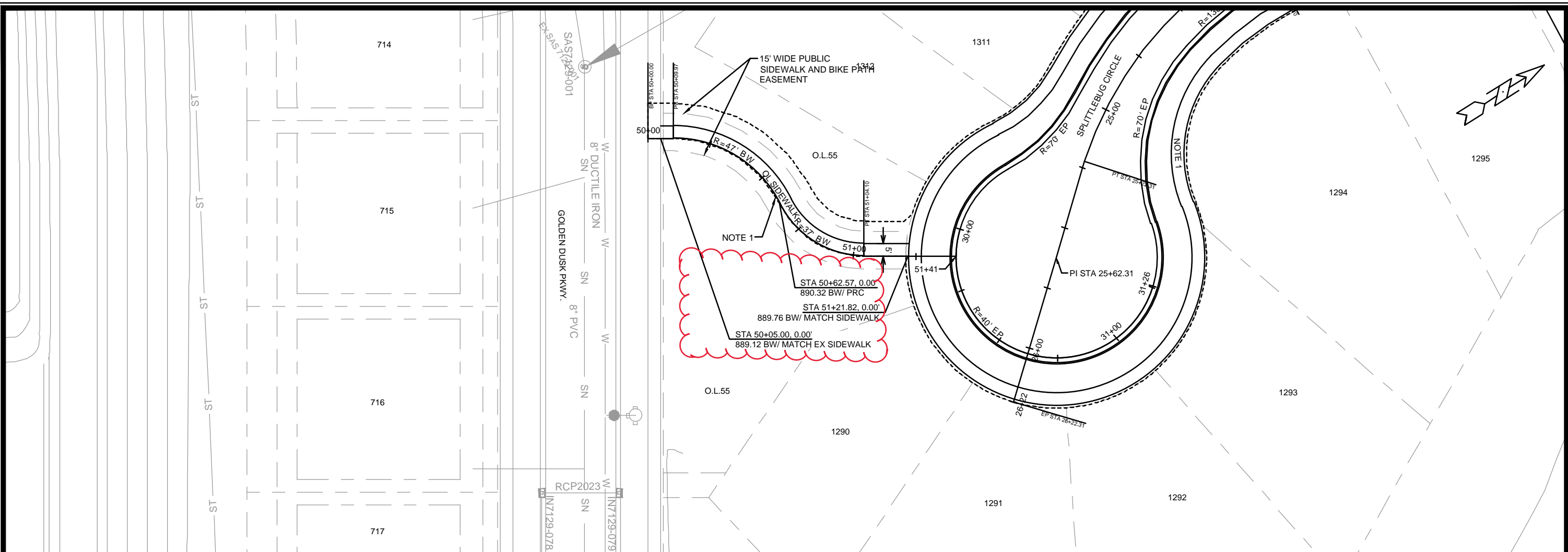
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 EASEMENT OVER ENTIRE  
 OUTLOT

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PLAN & PROFILE - SPITTLEBUG CIRCLE CUL-DE-SAC  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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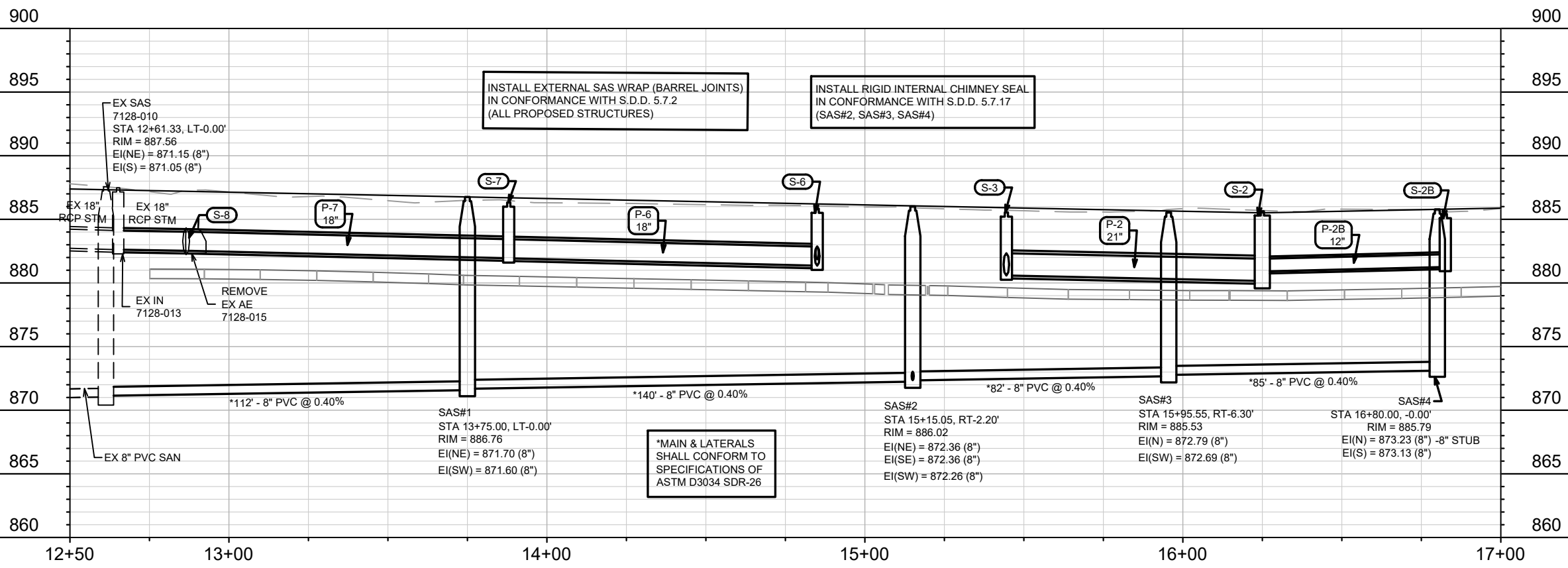
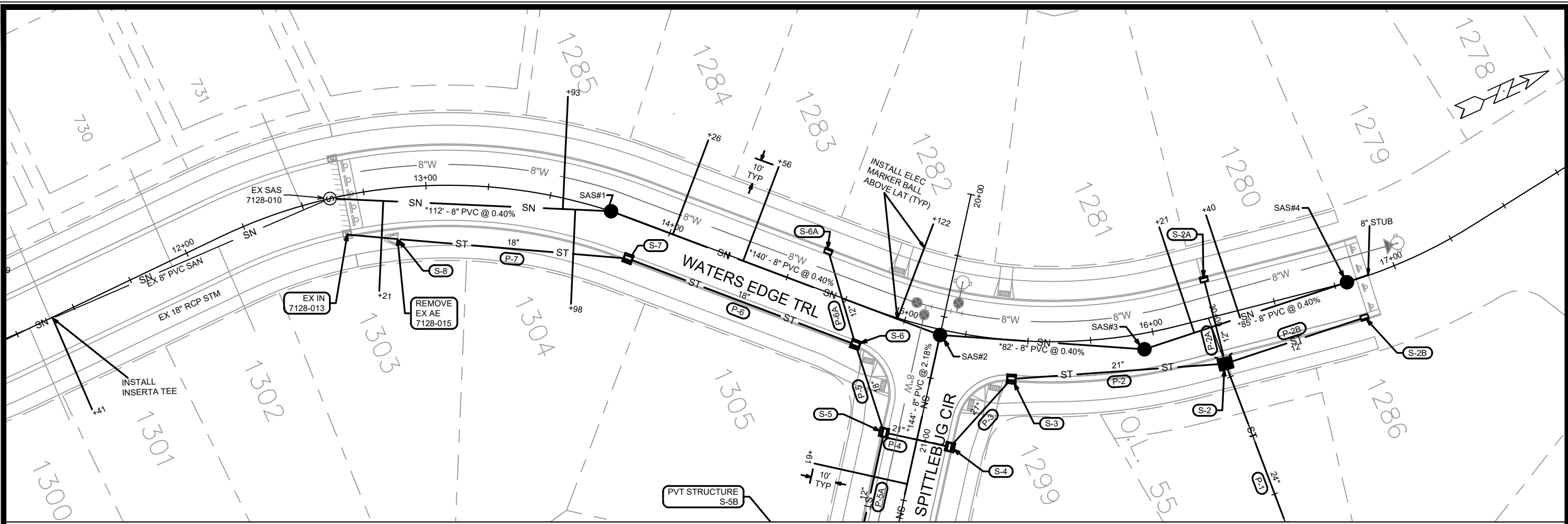




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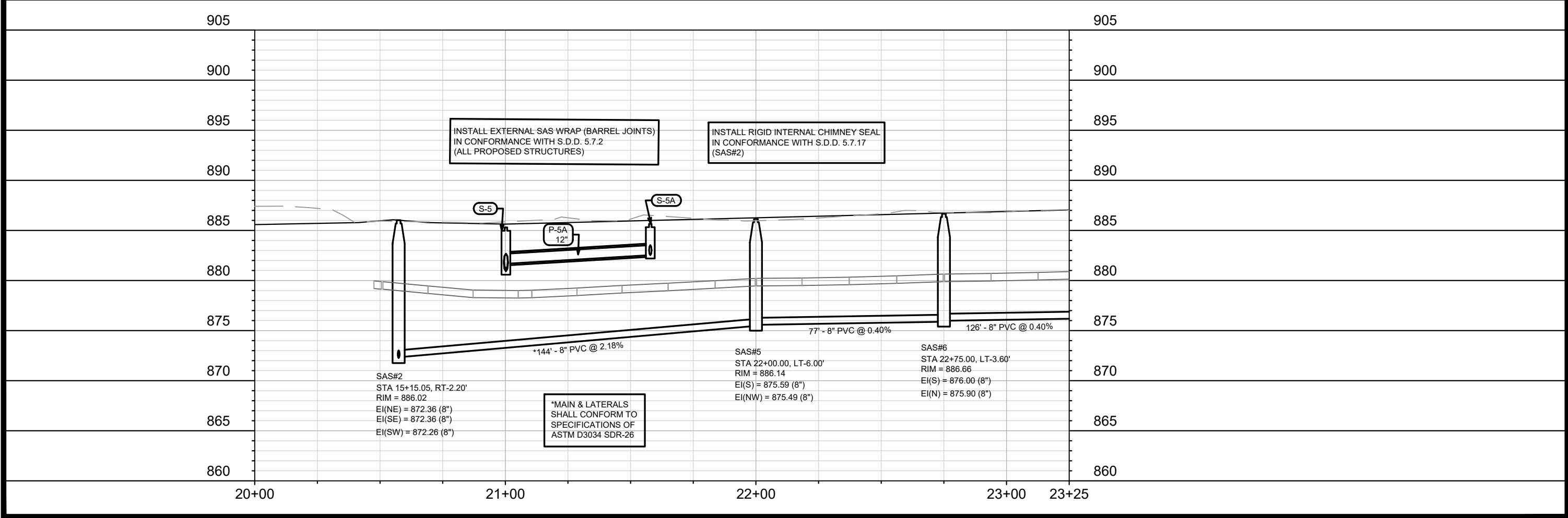
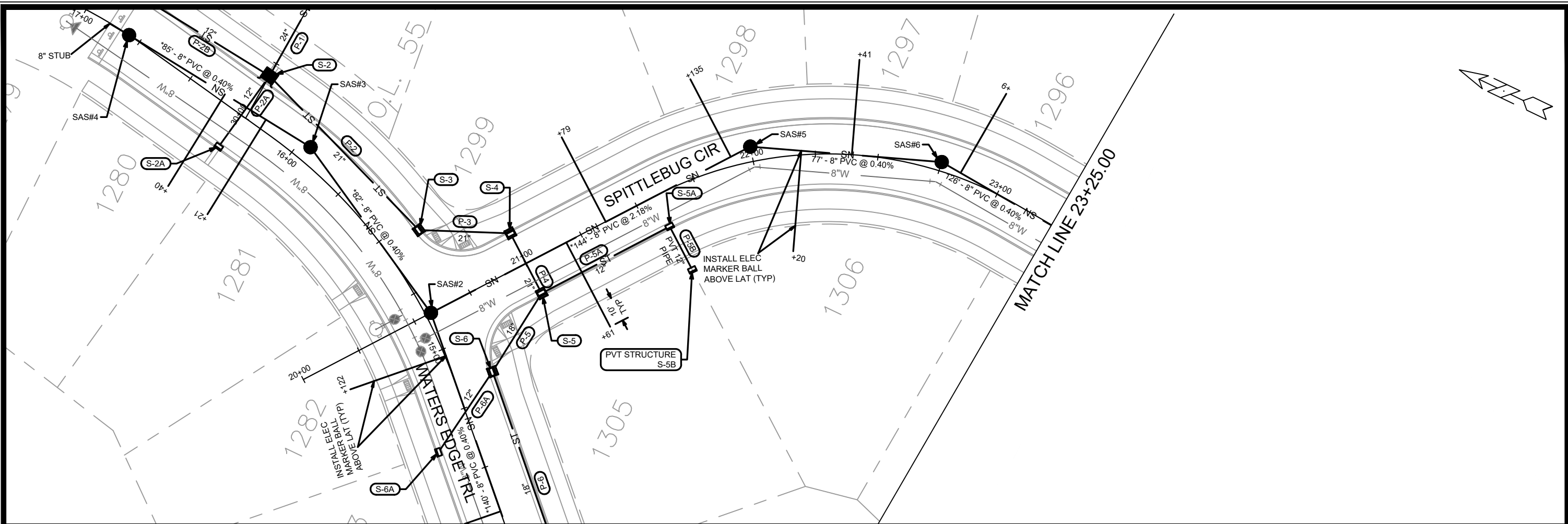
PLAN & PROFILE - OL SIDEWALK  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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UTILITIES PLAN & PROFILE - WATERS EDGE TRAIL  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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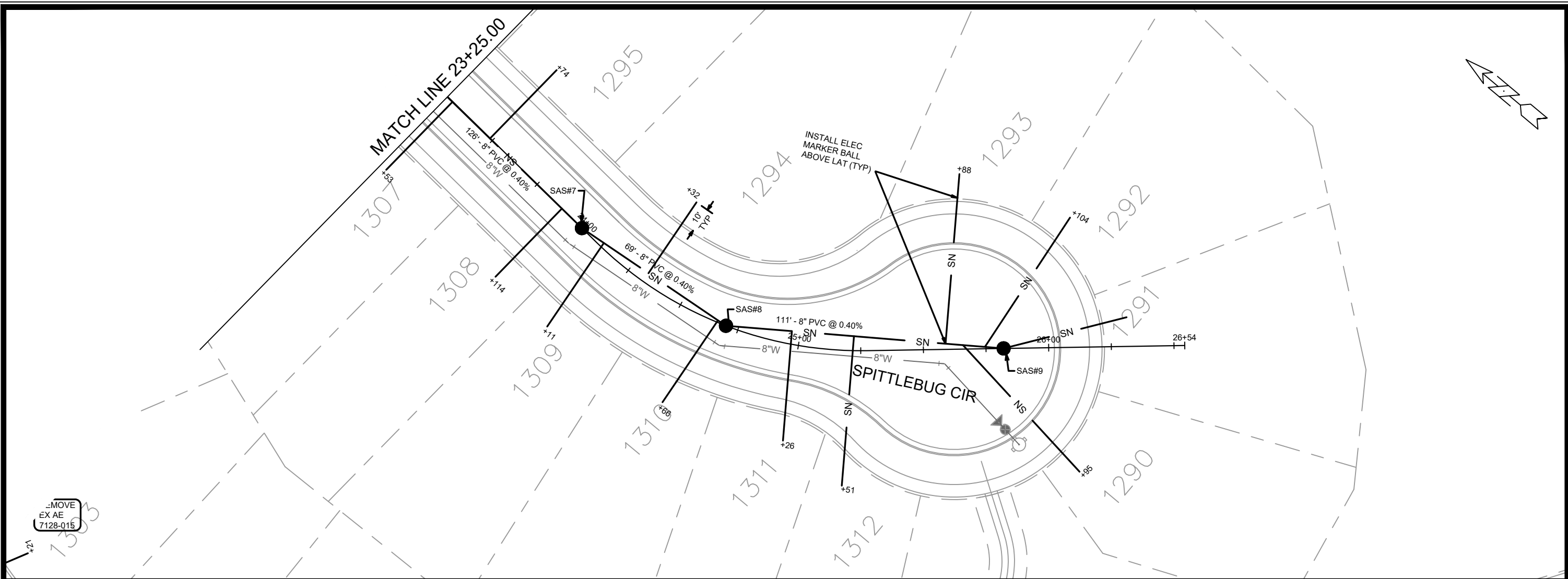


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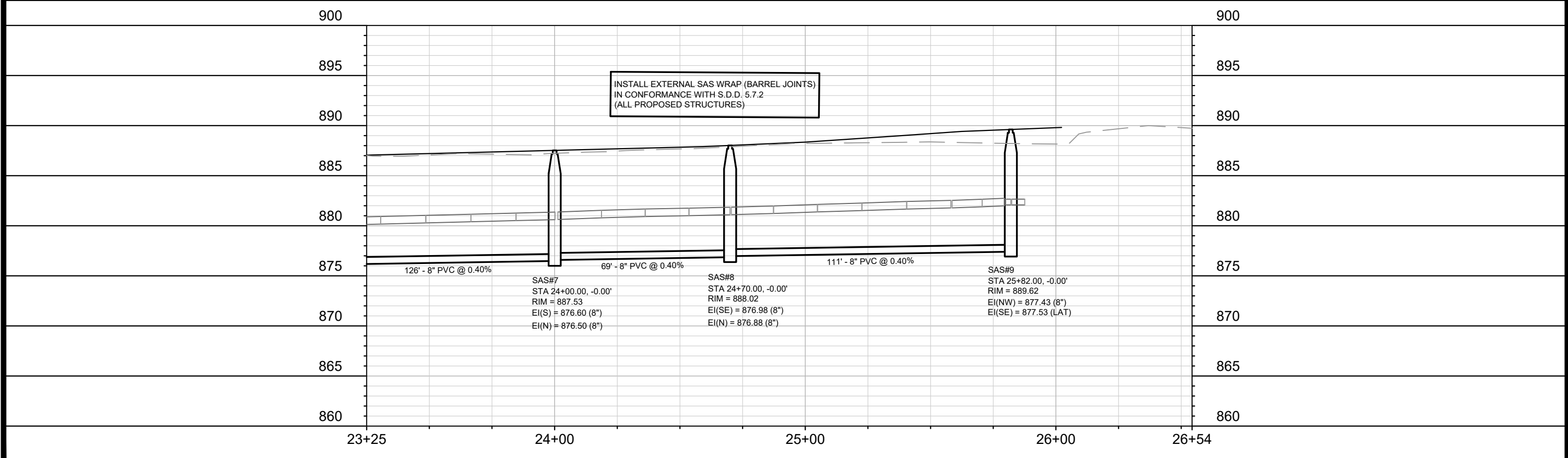
14927  
 MADISON, WI  
 CONTRACT NO: 9381/9382

UTILITIES PLAN & PROFILE - SPITTLEBUG CIRCLE  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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14927  
 U-2



MOVE  
EX AE  
7128-015



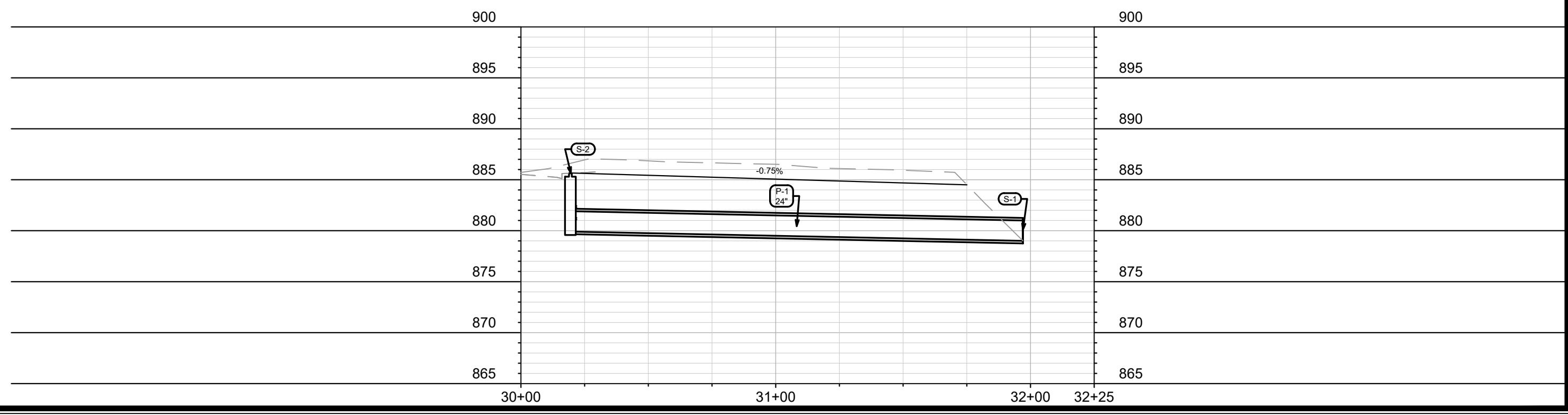
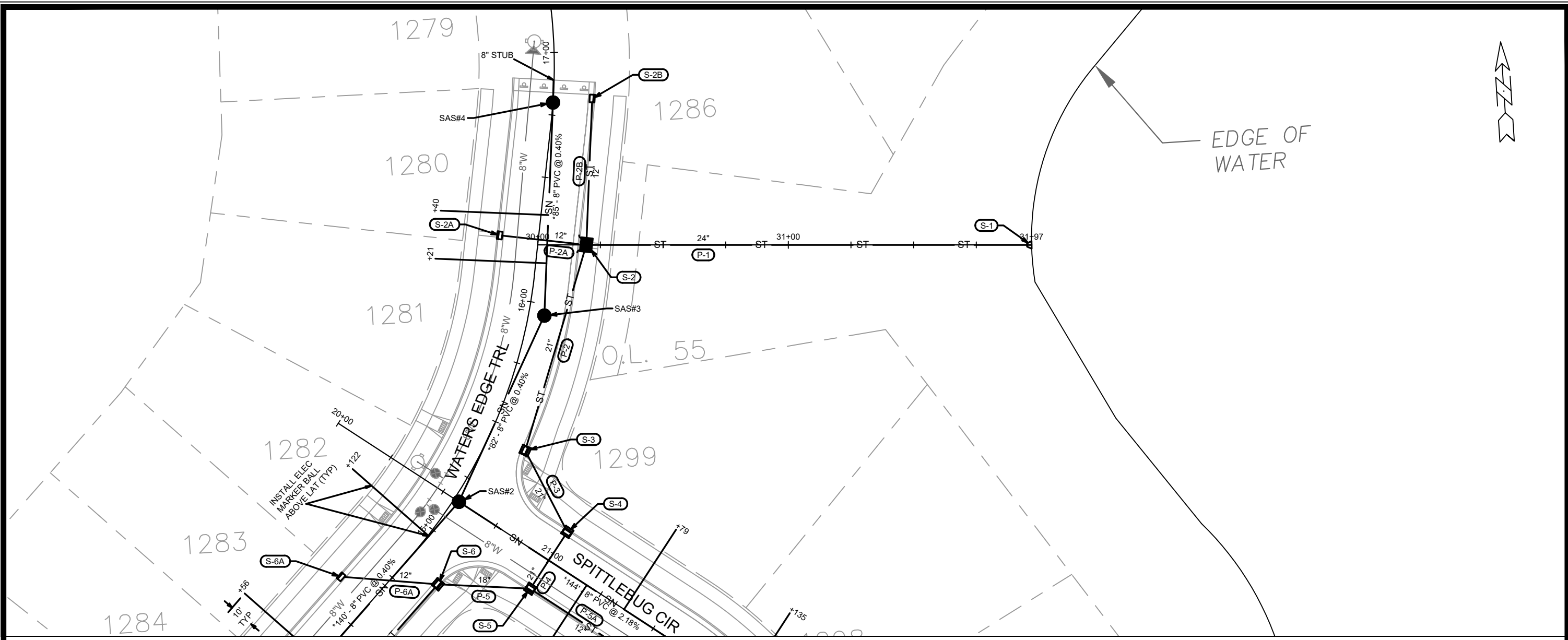
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14927  
MADISON, WI  
CONTRACT NO: 9381/9382

UTILITIES PLAN & PROFILE - SPITTLEBUG CIRCLE  
VILLAGE AT AUTUMN LAKE PHASE 14  
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U-3



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14927	U-4	4/10/2024	11:23 AM

14927  
 MADISON, WI  
 CONTRACT NO: 9381/9382

STORM SEWER PLAN & PROFILE - STORM  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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14927  
 U-4

# SANITARY SEWER SCHEDULE

VILLAGE AT AUTUMN LAKE PHASE 14

SHEET NO.

PROJECT NO. 14927

U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
---------	---------	-------------------	----------------	------	------------	-------

### WATERS EDGE TRAIL

SAS#1	13+75.00	CL	886.76	871.60	15.16	(1)
SAS#2	15+15.05	RT-2.20	886.02	872.26	13.76	(1); (2)
SAS#3	15+95.55	RT-6.30	885.53	872.69	12.84	(1); (2)
SAS#4	16+80.00	CL	885.79	873.13	12.66	(1); (2)

### SPITTLEBUG CIRCLE

SAS#5	22+00.00	LT-6.00	886.14	875.49	10.65	(1)
SAS#6	22+75.00	LT-3.60	886.66	875.90	10.76	(1)
SAS#7	24+00.00	CL	887.53	876.50	11.03	(1)
SAS#8	24+70.00	CL	888.02	876.88	11.14	(1)
SAS#9	25+82.00	CL	889.62	877.43	12.19	(1)

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
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### WATERS EDGE TRAIL

EX SAS 7128-010	SAS#1	871.15	871.60	112	0.40%	8"	SDR-26	-
SAS#1	SAS#2	871.70	872.26	140	0.40%	8"	SDR-26	-
SAS#2	SAS#3	872.36	872.69	82	0.40%	8"	SDR-26	-
SAS#3	SAS#4	872.79	873.13	85	0.40%	8"	SDR-26	-

### SPITTLEBUG CIRCLE

SAS#2	SAS#5	872.36	875.49	144	2.18%	8"	SDR-26	-
SAS#5	SAS#6	875.59	875.90	77	0.40%	8"	SDR-35	-
SAS#6	SAS#7	876.00	876.50	126	0.40%	8"	SDR-35	-
SAS#7	SAS#8	876.60	876.88	69	0.40%	8"	SDR-35	-
SAS#8	SAS#9	876.98	877.43	111	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.

(1) INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2

(2) INSTALL RIGID INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH S.D.D. 5.7.17

# STORM SEWER SCHEDULE

VILLAGE AT AUTUMN LAKE PHASE 14	SHEET NO.
PROJECT NO. 14927	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>O.L. 55</b>							
S-1	31+97.04	CL	24" RCP APRON END	-	879.00	-	W/ GATE
<b>WATERS EDGE TRAIL</b>							
S-2	16+25.00	RT-19.30	TERRACE INLET TYPE II	885.42	879.91	5.51	PER S.D.D. 5.7.12A
S-2A	16+25.00	LT-15.50	H INLET	885.62	882.02	3.60	LP; W/ R-3067-7004-VB
S-2B	16+82.54	RT-15.50	H INLET	885.90	881.26	4.64	W/ R-3067-7004-V
S-3	15+44.50	RT-15.50	3X3 SAS	886.02	880.59	5.43	W/ R-3067-7004-V
S-6	14+85.00	RT-15.50	3X3 SAS	886.32	881.36	4.96	W/ R-3067-7004-V
S-6A	14+61.75	LT-15.50	H INLET	886.43	882.83	3.60	W/ R-3067-7004-V
S-7	13+88.00	RT-15.50	3X3 SAS	886.80	881.94	4.86	W/ R-3067-7004-V
S-8	12+86.54	RT-20.43	CONCRETE COLLAR	-	882.53	-	REMOVE EX AE 7128-015
<b>SPLITTLEBUG CIRCLE</b>							
S-4	21+00.25	LT-13.50	3X3 SAS	885.77	880.78	4.99	LP; W/ R-3067-7004-VB
S-5	21+00.25	RT-13.50	3X3 SAS	886.60	880.92	5.68	LP; W/ R-3067-7004-VB
S-5A	21+57.86	RT-13.50	H INLET	886.13	882.53	3.60	W/ R-3067-7004-V
S-5B	21+57.86	RT-33.04	PRIVATE H INLET	886.00	882.67	3.33	W/ R-1878-B7G

## 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>O.L. 55</b>										
P-1	S-1	S-2	879.00	879.91	178	176	0.52%	24"	TYPE II	-
<b>WATERS EDGE TRAIL</b>										
P-2	S-2	S-3	880.16	880.59	86	82	0.52%	21"	TYPE I	-
P-2A	S-2	S-2A	880.91	882.02	35	32	3.47%	12"	TYPE I	-
P-2B	S-2	S-2B	880.91	881.26	58	55	0.64%	12"	TYPE II	-
P-6	S-6	S-7	881.36	881.94	97	94	0.62%	18"	TYPE II	-
P-6A	S-6	S-6A	881.86	882.83	39	36	2.69%	12"	TYPE I	-
P-7	S-7	S-8	881.94	882.53	92	91	0.65%	18"	TYPE II	-
<b>SPLITTLEBUG CIRCLE</b>										
P-3	S-3	S-4	880.59	880.78	37	33	0.58%	21"	TYPE II	-
P-4	S-4	S-5	880.78	880.92	27	24	0.58%	21"	TYPE I	-
P-5	S-5	S-6	881.17	881.36	37	33	0.58%	18"	TYPE II	-
P-5A	S-5	S-5A	881.67	882.53	58	55	1.56%	12"	TYPE II	-
P-5B	S-5A	S-5B	882.53	882.67	20	18	0.78%	12"	TYPE II	PVT PIPE

## STANDARD NOTES:

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

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN

- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.

- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.

- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

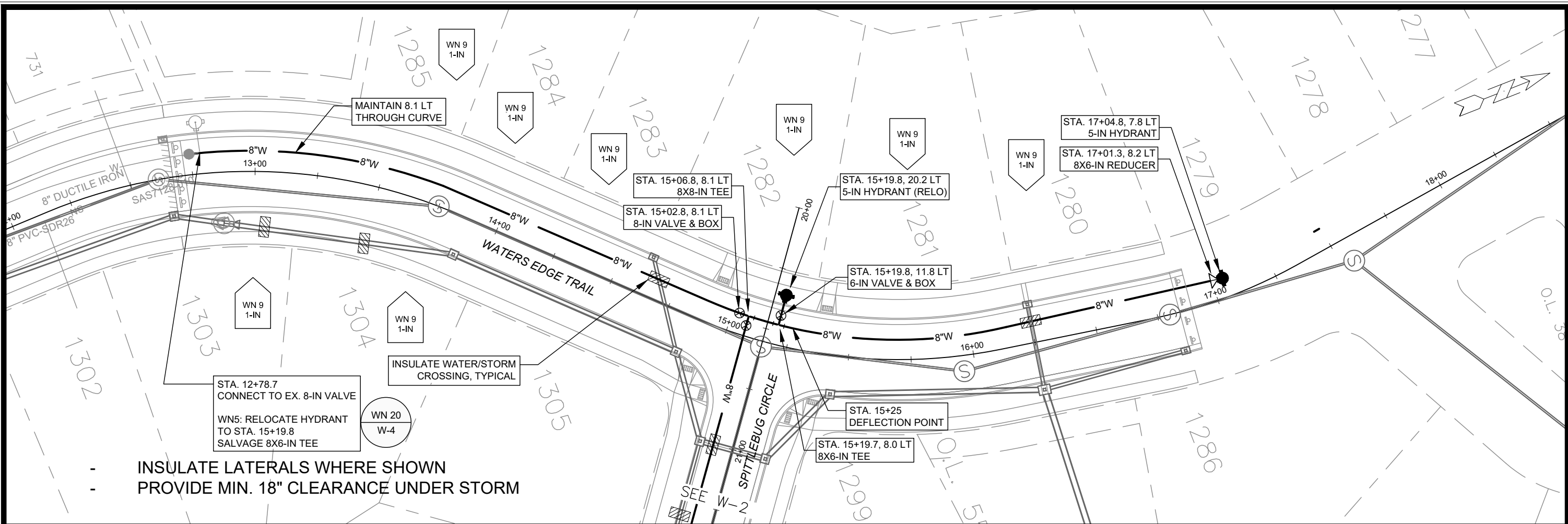
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

-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.

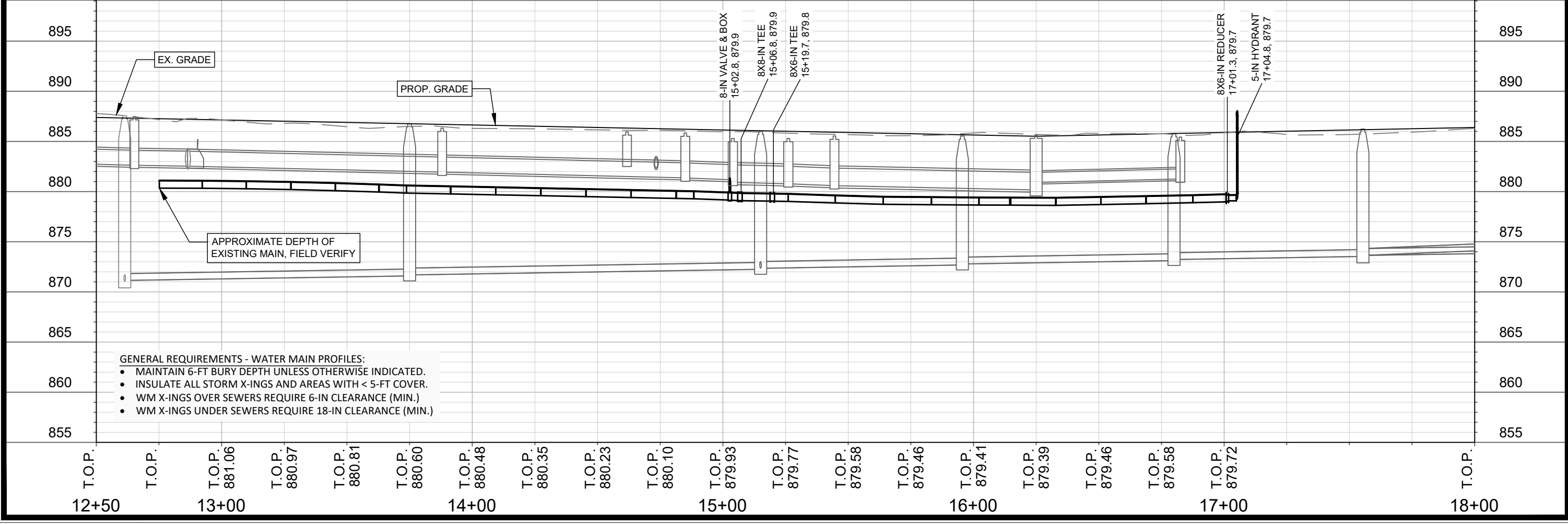
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR STORM SEWER PRECAST APPROVALS, 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





- INSULATE LATERALS WHERE SHOWN
- PROVIDE MIN. 18" CLEARANCE UNDER STORM



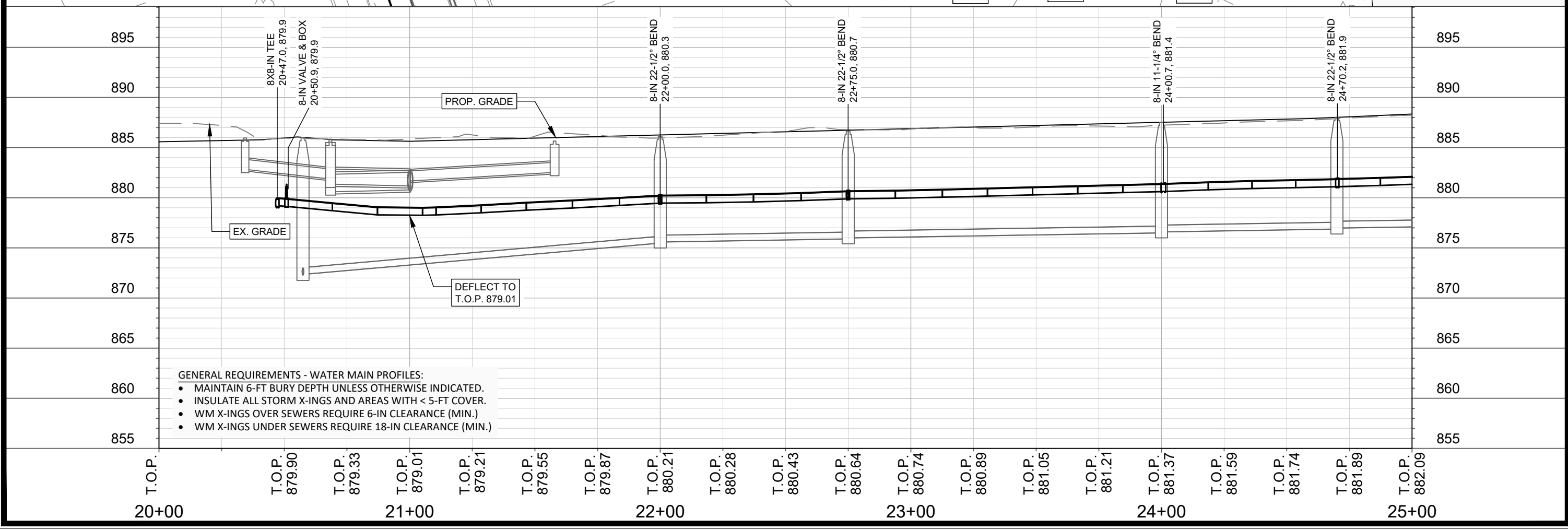
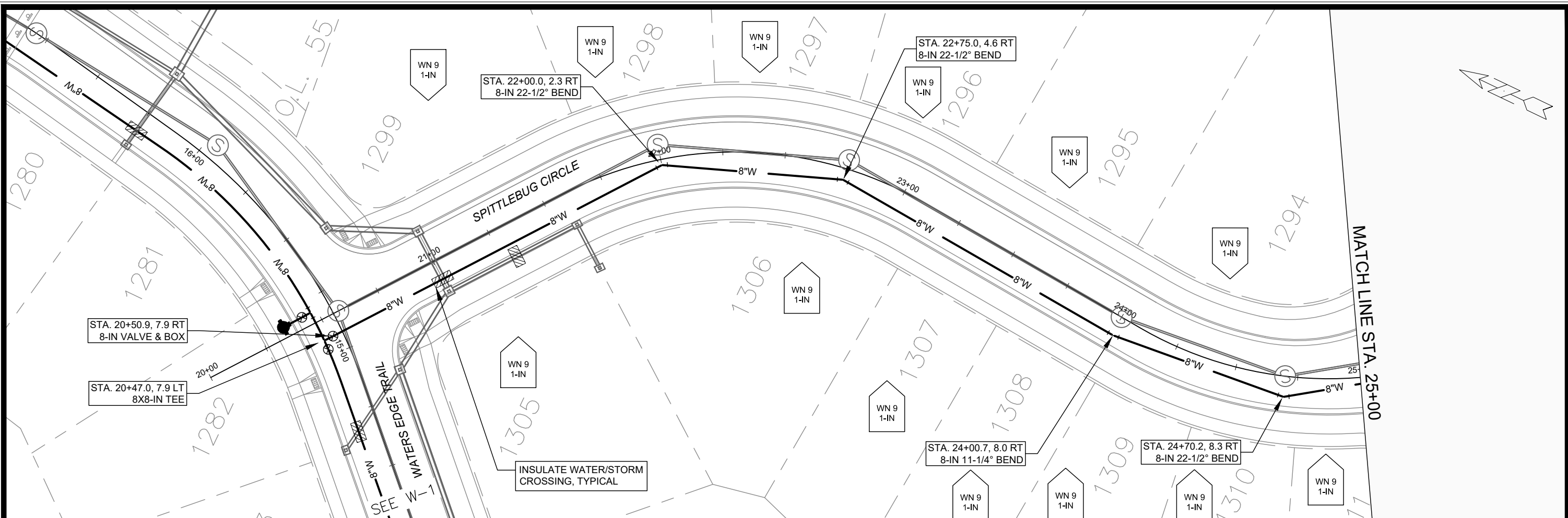
- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
  - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
  - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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 MADISON, WI  
 CONTRACT NO: 93819382

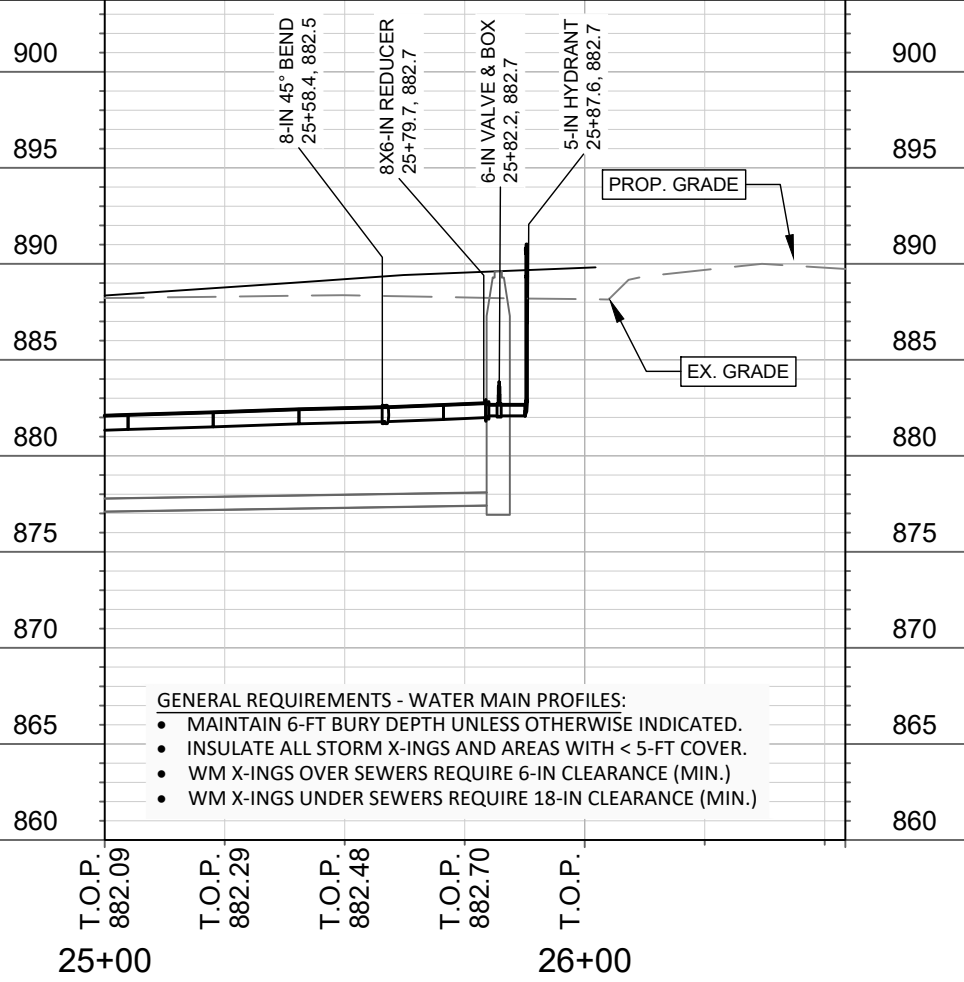
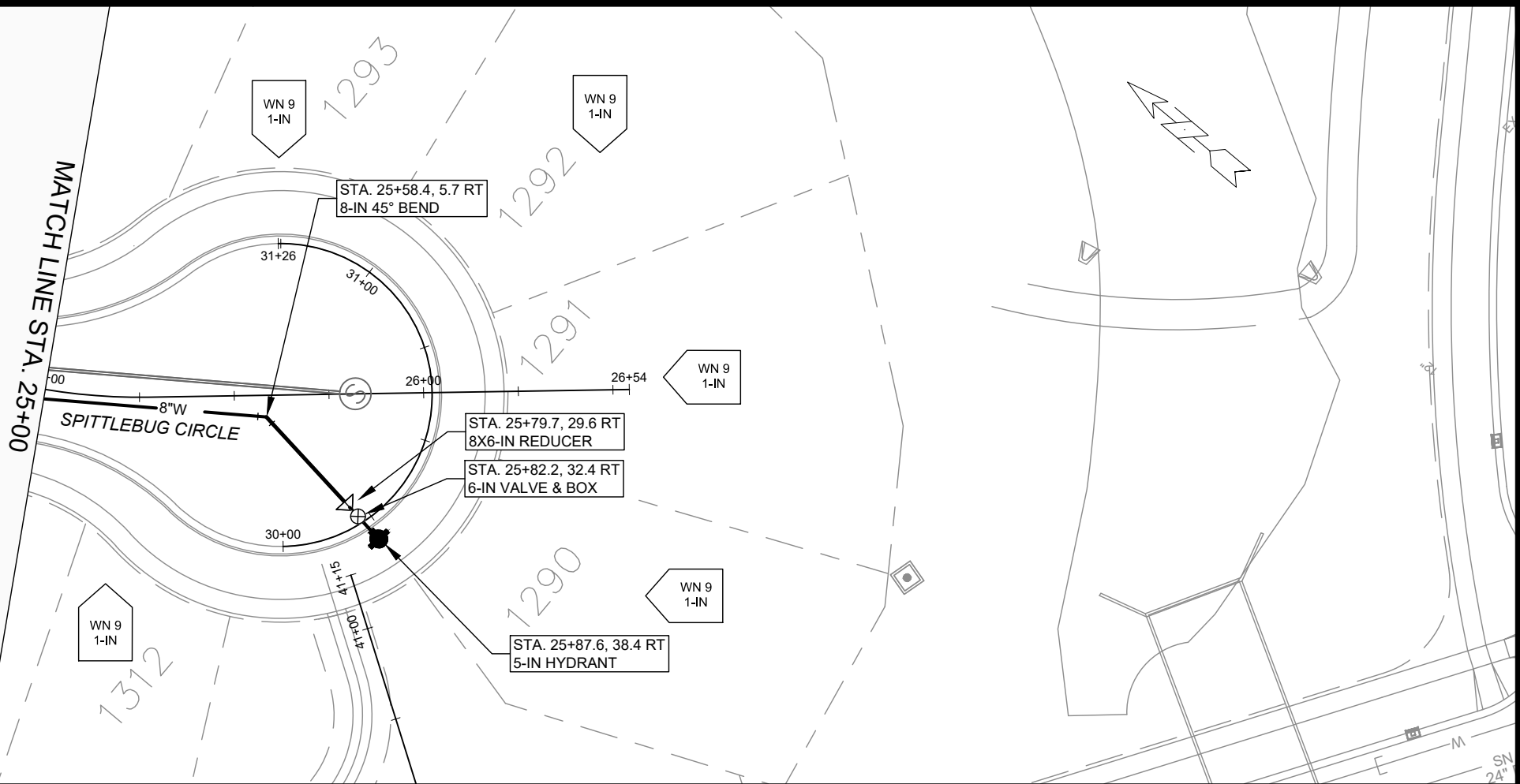
WATERS EDGE TRAIL - WATER PLAN AND PROFILE  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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14927  
 W-1



- 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>14927</b> <b>W-2</b>	<b>SPITTLEBUG CIRCLE - WATER PLAN AND PROFILE</b> <b>VILLAGE AT AUTUMN LAKE PHASE 14</b>
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CONTRACT NO:	9381/9382	<b>MADISON, WI</b>
Scale:	#####	<b>14927</b>
Date:	4/8/2024 8:46 AM	<b>W-2</b>
Revised By:	NGV	<b>14927</b>
Revision:	#####	<b>14927</b>
Mark:	#####	<b>14927</b>
By:	#####	<b>14927</b>



- 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.)

**SPITTLEBUG CIRCLE - WATER PLAN AND PROFILE**  
**VILLAGE AT AUTUMN LAKE PHASE 14**

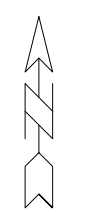
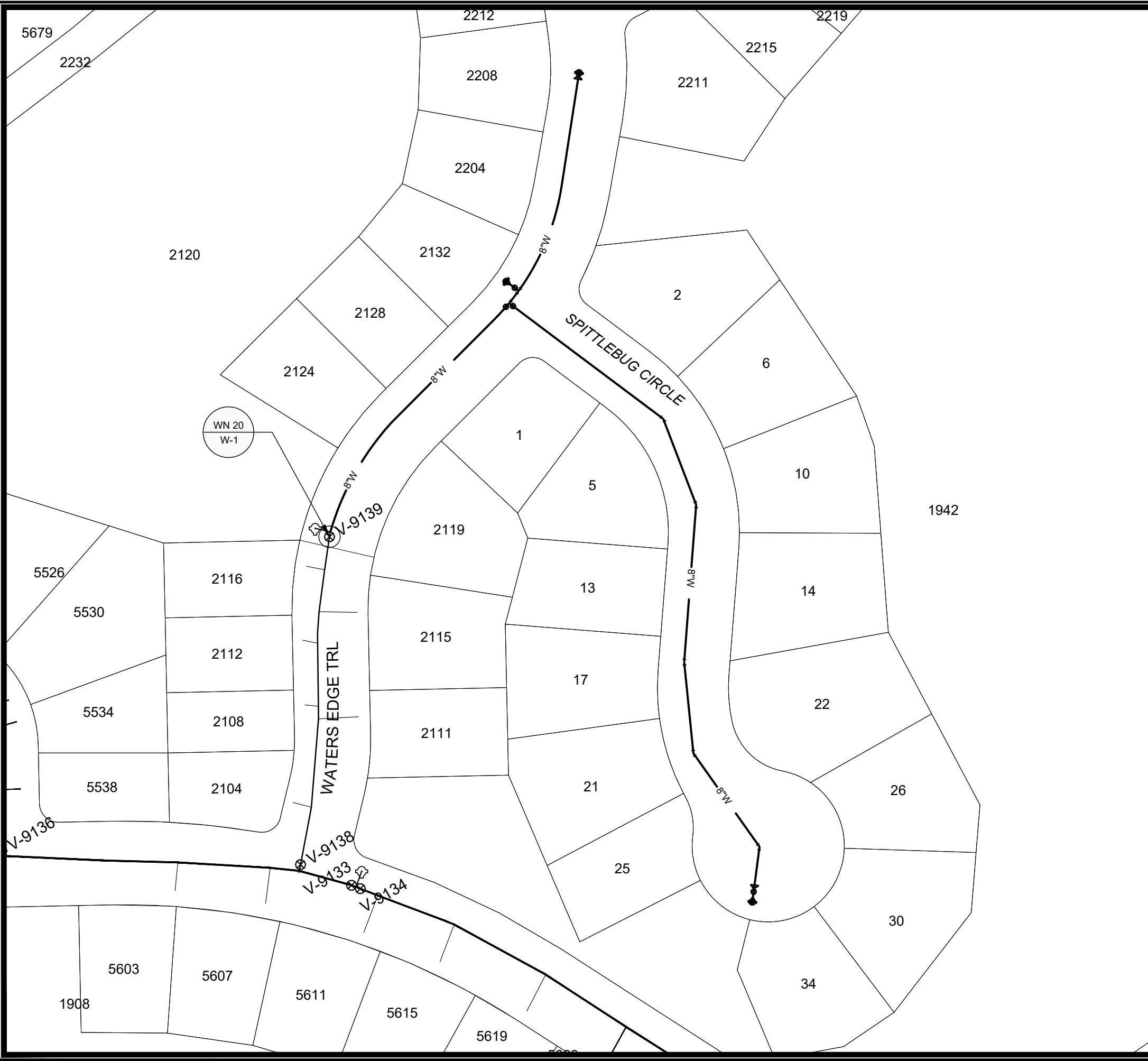
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W-3

MADISON, WI  
CONTRACT NO: 9381/9382

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Designed By: NGV  
MARK  
REVISION  
DATE  
BY

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1" = 80'



WN20: CUT-IN CONNECTION  
WATERS EDGE TRAIL

ISOLATION VALVES:  
- V-9139 (8-IN)

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.

SCALE: #####  
DESIGNED BY: NGM  
MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 4/8/24

VILLAGE AT AUTUMN LAKE PHASE 14  
WATER IMPACT PLAN  
CITY OF MADISON, WISCONSIN



14927  
W-4



**CONSTRUCTION NOTES:**

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>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.</li> <li>2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.</li> <li>3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.</li> </ol> | <p>WN-1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|--|--|

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

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	40	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	1093	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	2	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	2	EACH
70040	FURNISH AND INSTALL AND SALVAGE HYDRANT	2	EACH
70050	FURNISH AND INSTALL 1-INCH SERVICE LATERALS	26	EACH
70101	FURNISH AND INSTALL STYROFOAM	6	EACH
71123	8-IN 45° BEND	1	EACH
71135	8-IN 22-1/2° BEND	3	EACH
71147	8-IN 11-1/4° BEND	1	EACH
71159	8X6-IN REDUCER	2	EACH
71210	8X6-IN TEE	1	EACH
71211	8X8-IN TEE	1	EACH

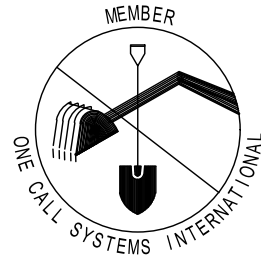
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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 SUPPLIED BY WATER UTILITY:**

N/A

**\*ESTIMATE OF MATERIALS SALVAGED:**

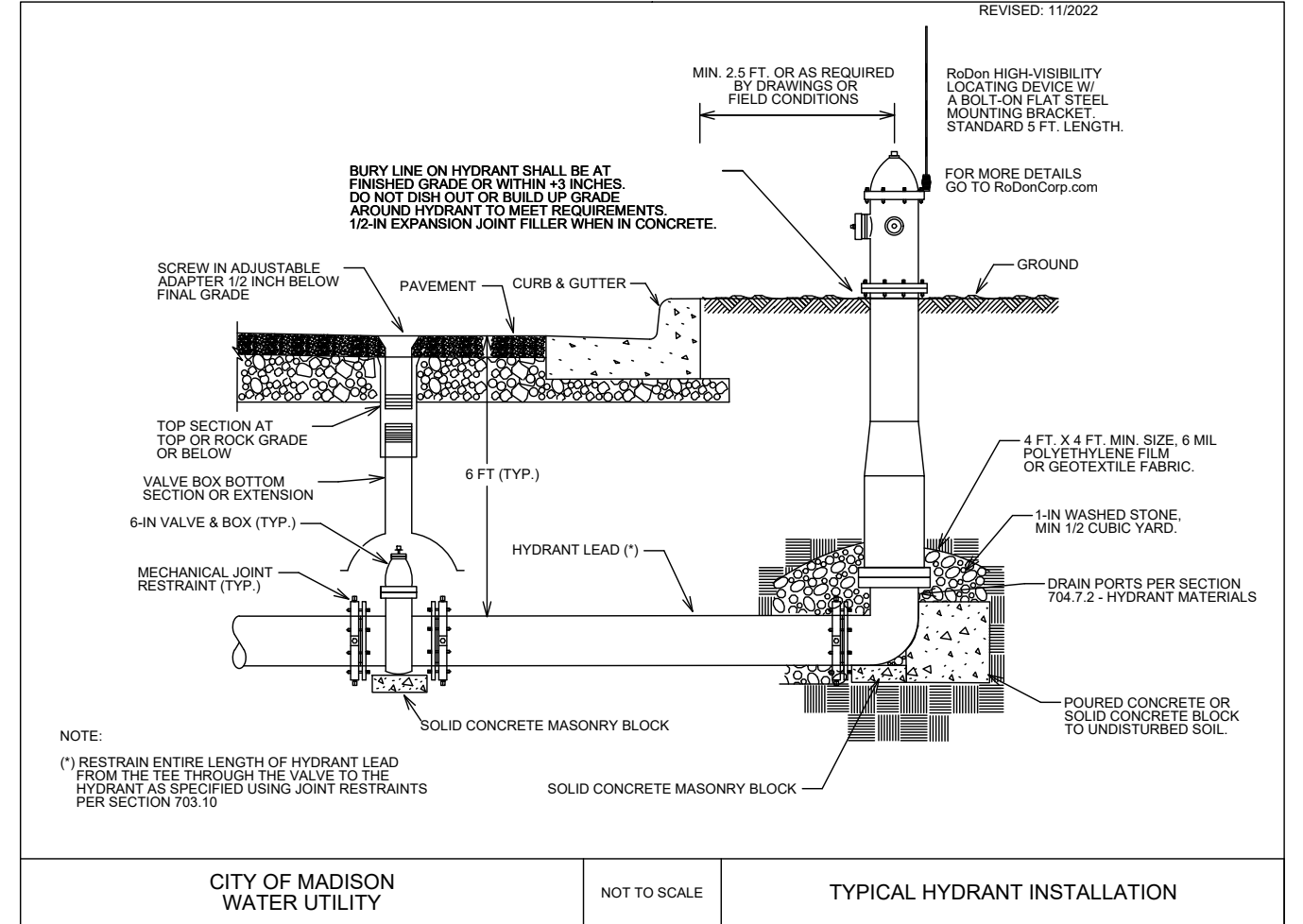
RELOCATED HYDRANT 1 EACH

\* 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



CITY OF MADISON WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

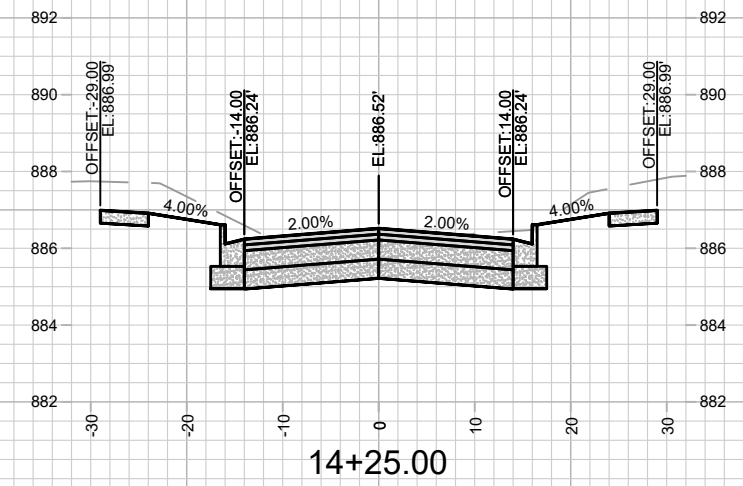
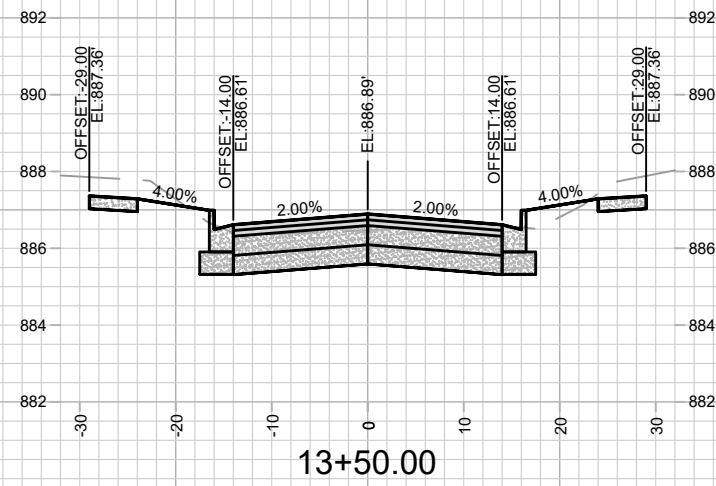
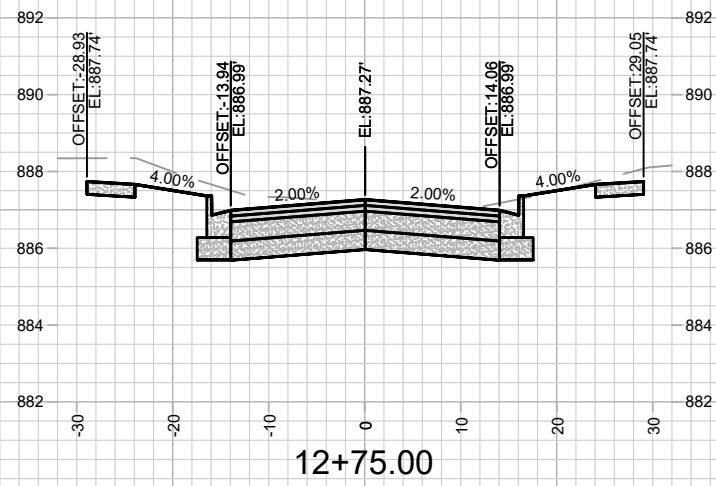
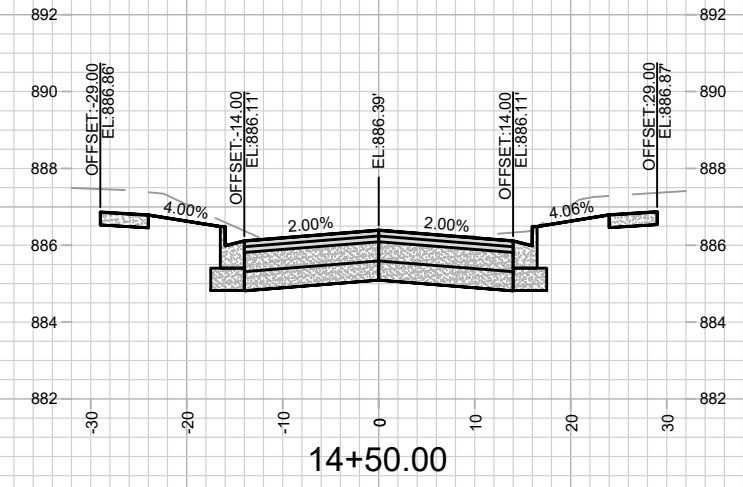
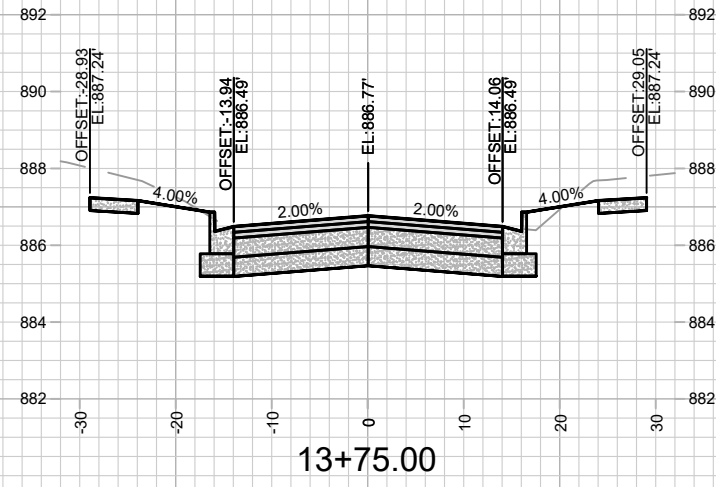
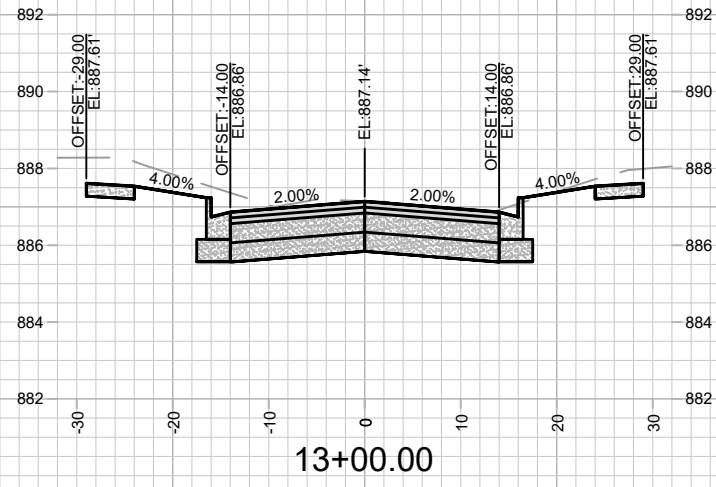
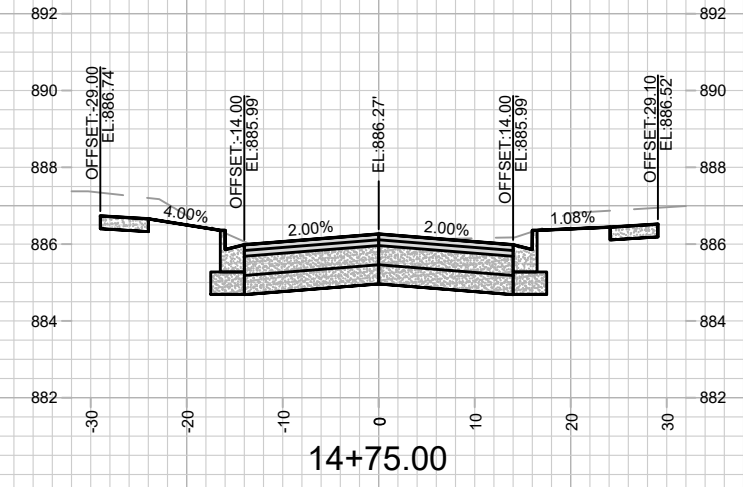
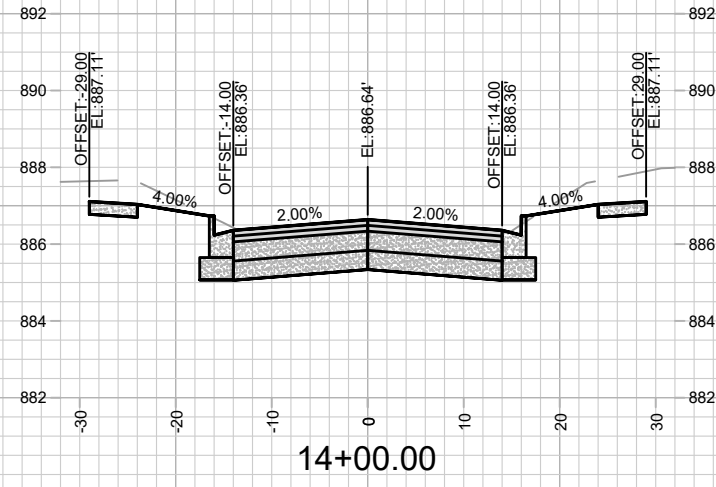
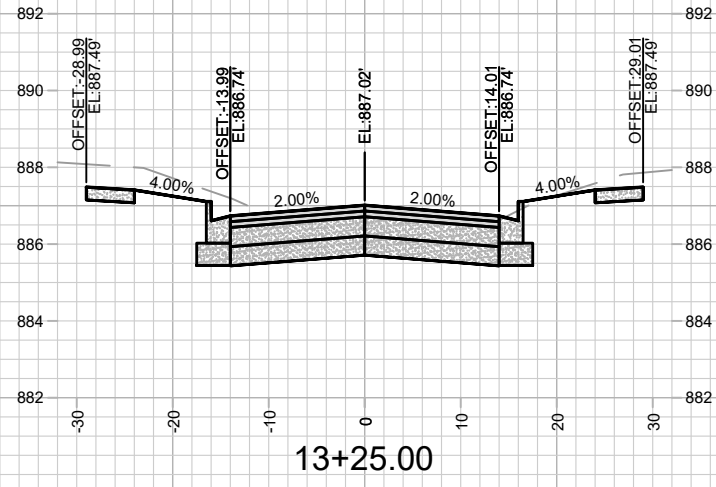
VILLAGE AT AUTUMN LAKE PHASE 14  
WATER ESTIMATE OF MATERIALS  
CITY OF MADISON, WISCONSIN



14927  
W-5

SCALE: N/A  
DESIGNED BY: NGM  
MADISON WATER UTILITY  
419 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 4/8/24

CONTRACT NO: 938119



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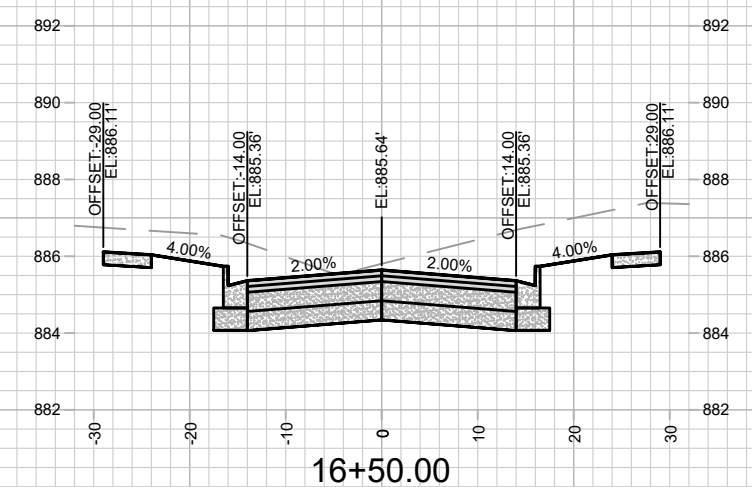
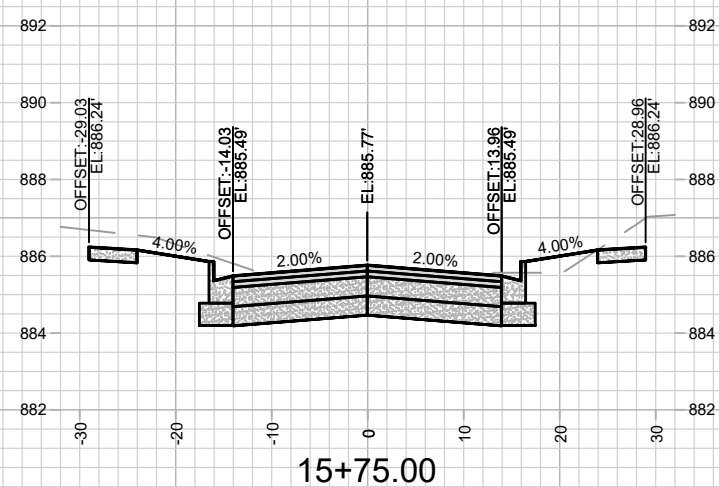
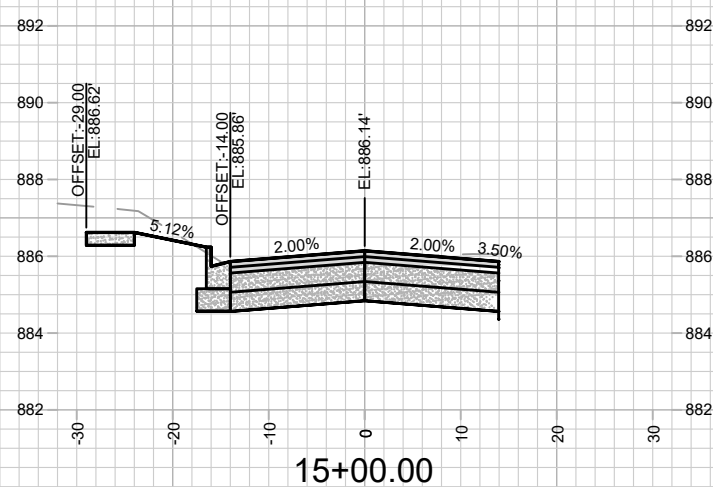
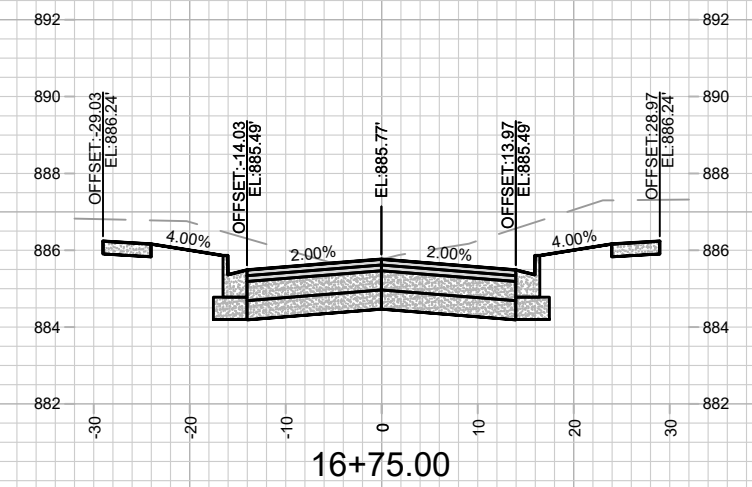
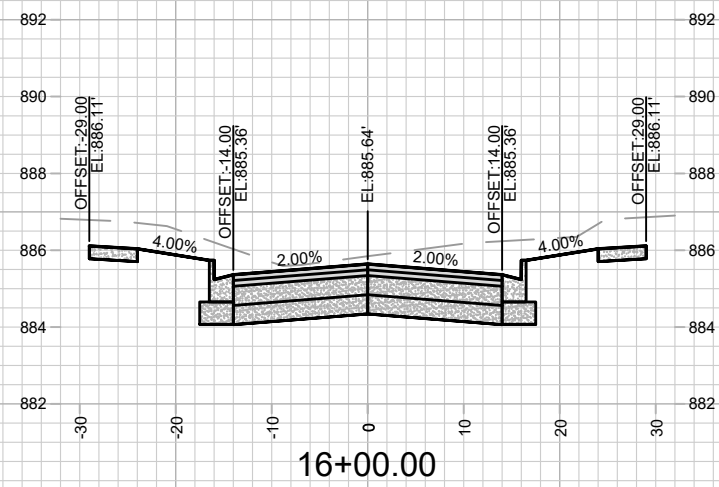
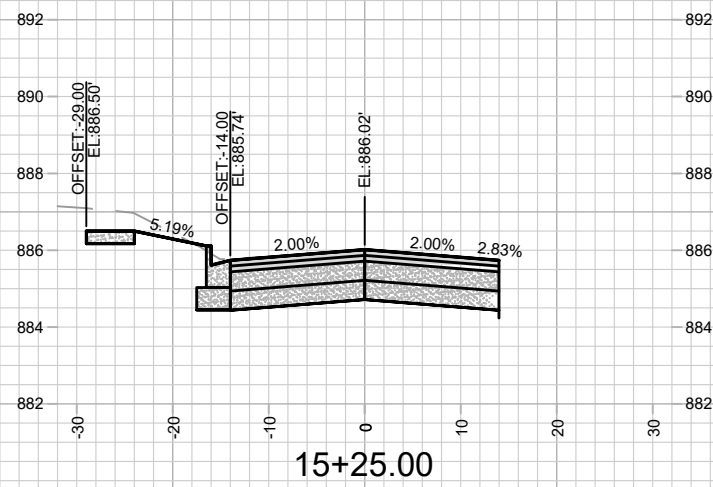
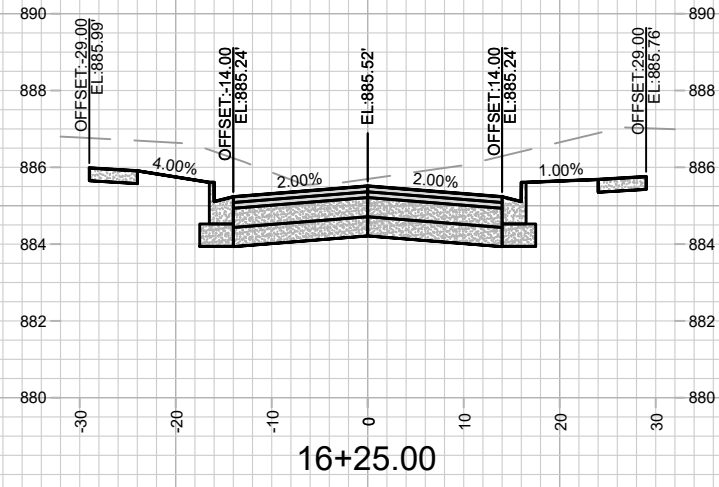
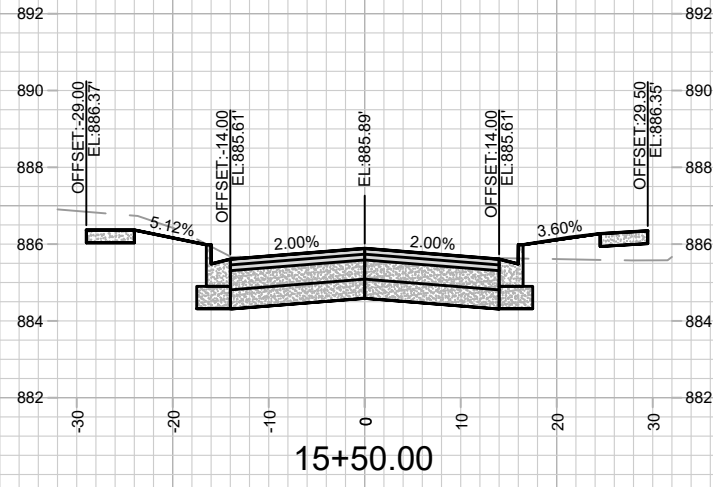
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14927  
MADISON, WI  
CONTRACT NO: 9381/9382

CROSS SECTION - WATERS EDGE TRAIL  
VILLAGE AT AUTUMN LAKE PHASE 14  
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14927  
X-1



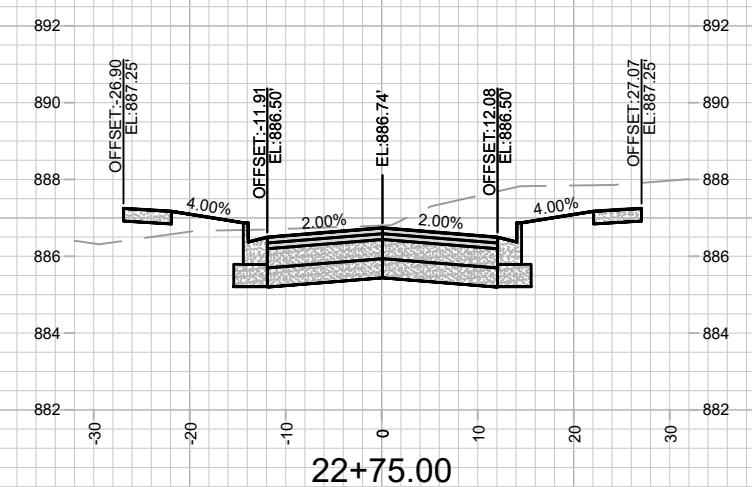
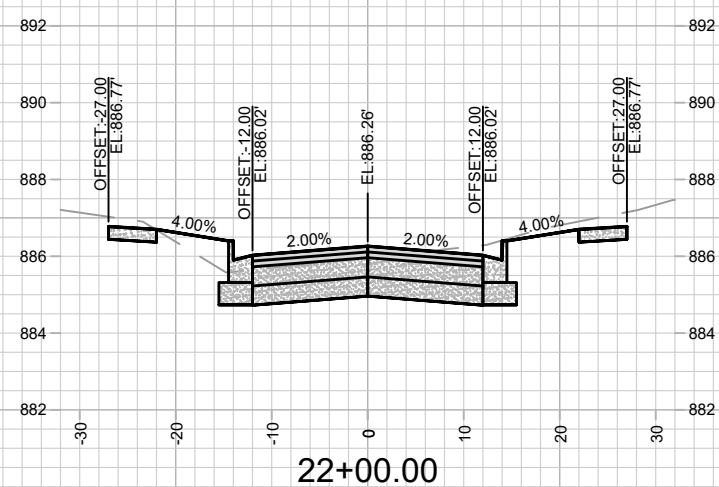
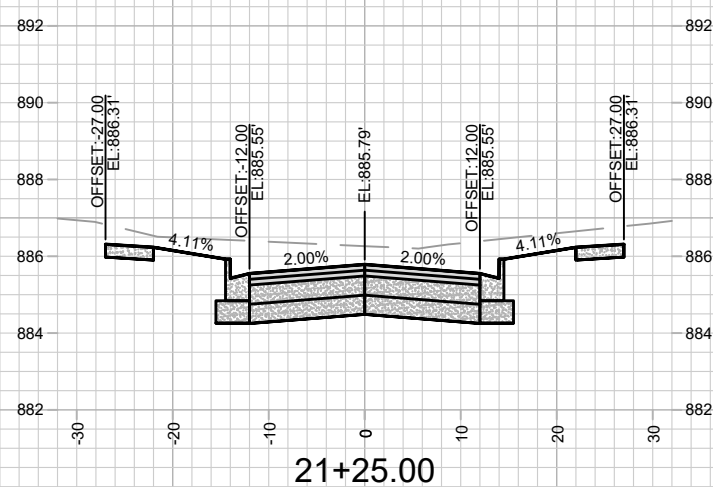
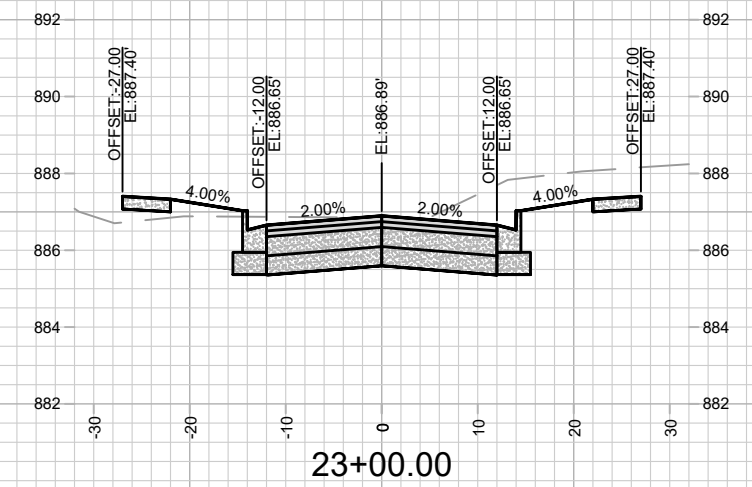
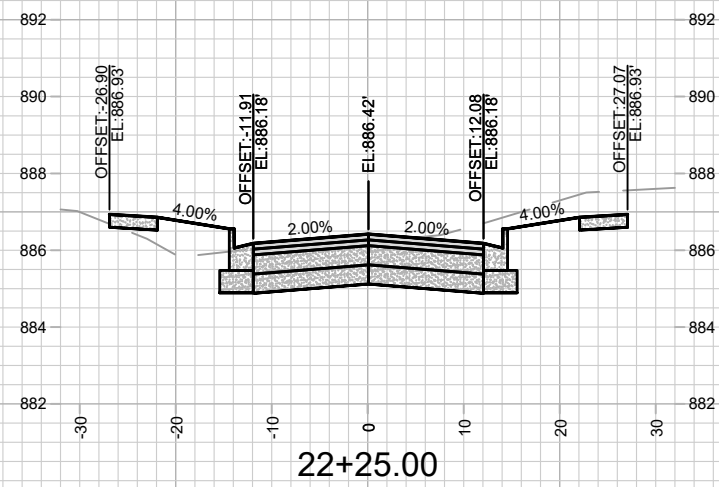
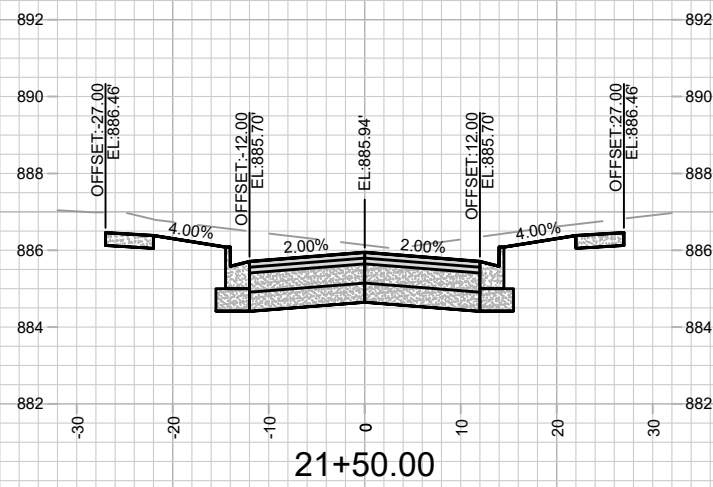
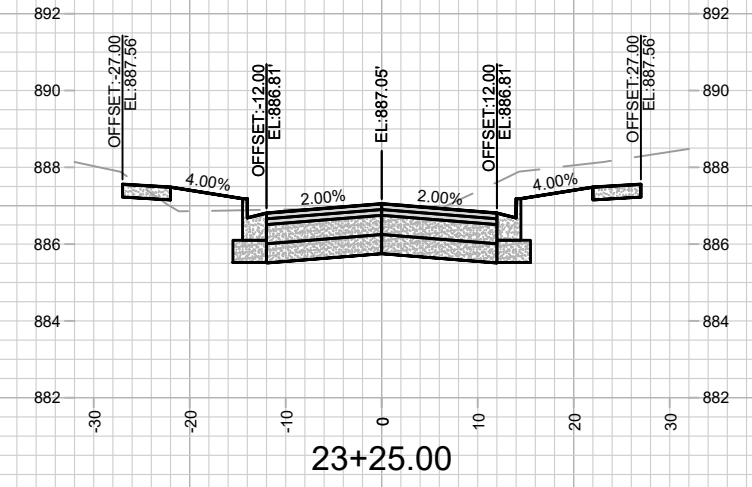
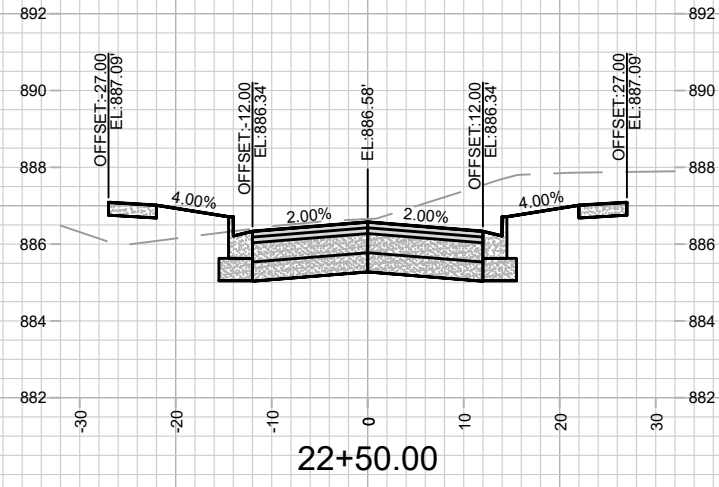
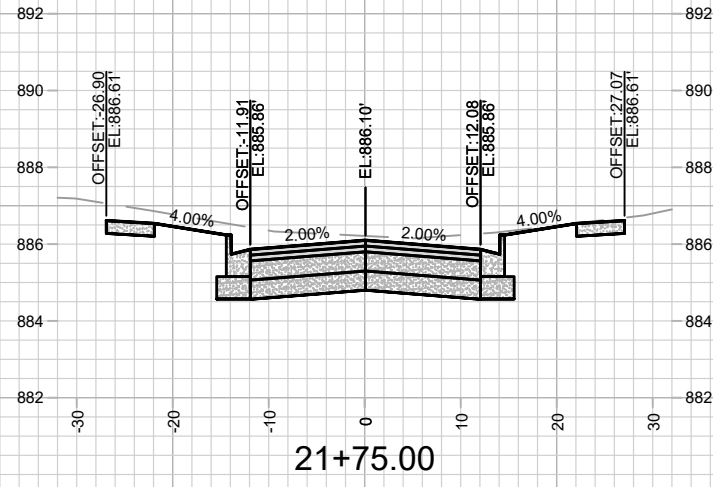
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Contract No: 9381/9382			X-2

14927  
MADISON, WI  
CONTRACT NO: 9381/9382

CROSS SECTION - WATERS EDGE TRAIL  
VILLAGE AT AUTUMN LAKE PHASE 14  
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14927  
X-2



MARK	REVISION	DATE	BY
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14927			X-3

14927  
MADISON, WI  
CONTRACT NO: 9381/9382

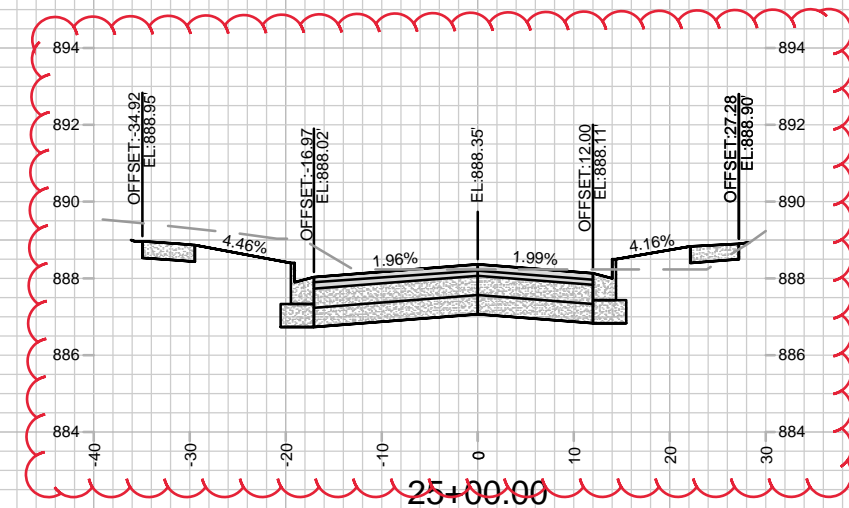
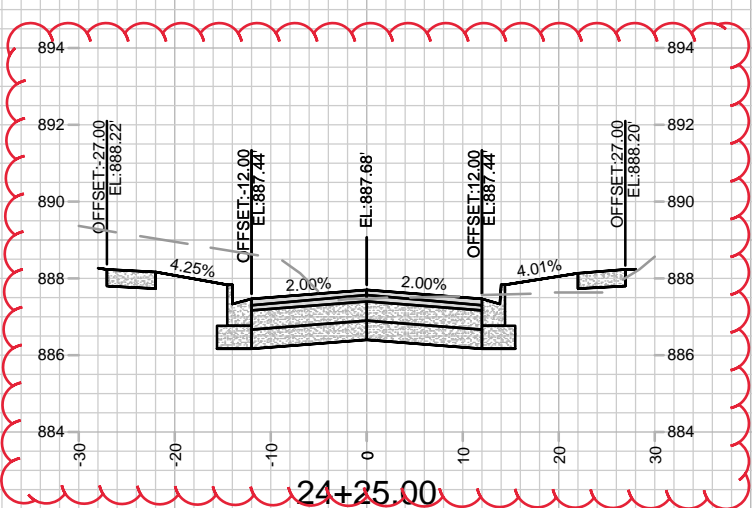
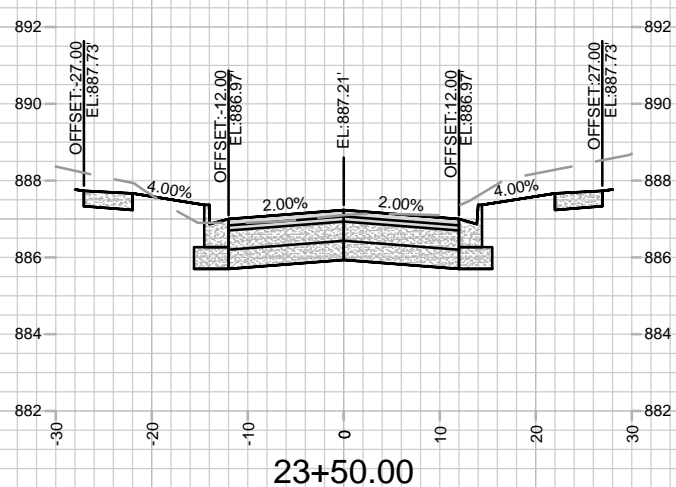
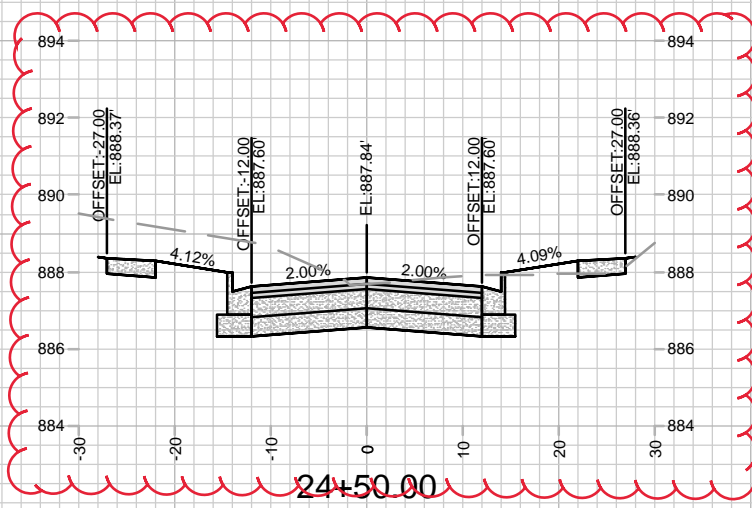
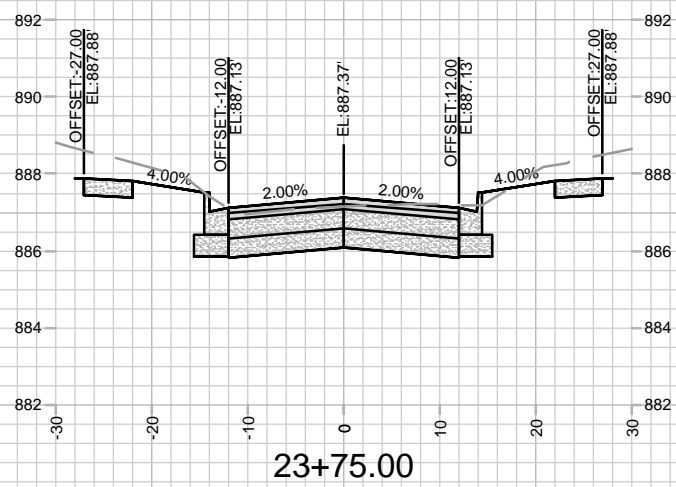
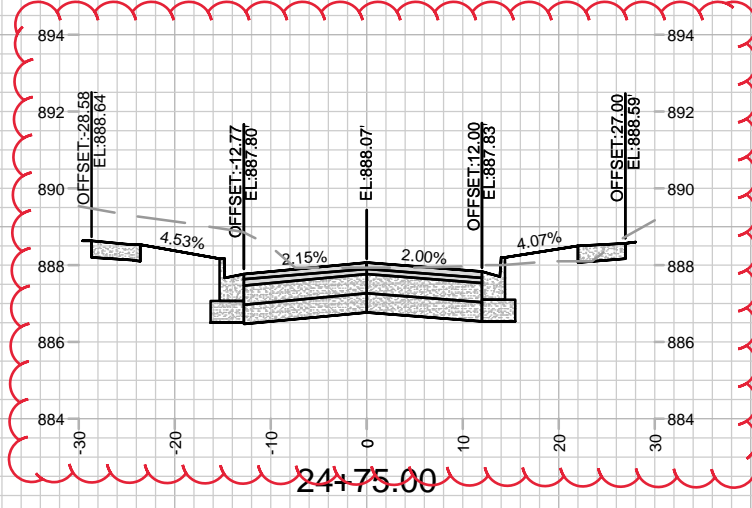
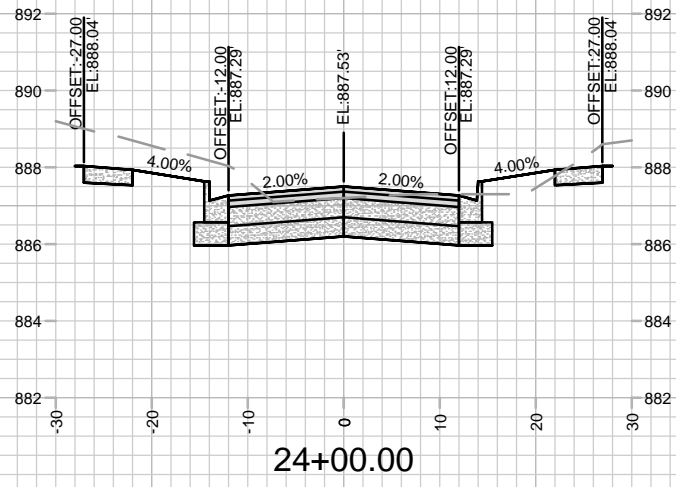
CROSS SECTION - SPITTLEBUG CIRCLE  
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14927  
X-3



REVISED 5/ 30/ 2024 - F.B.E.G.  
 • UPDATED GRADES ALONG SIDEWALK



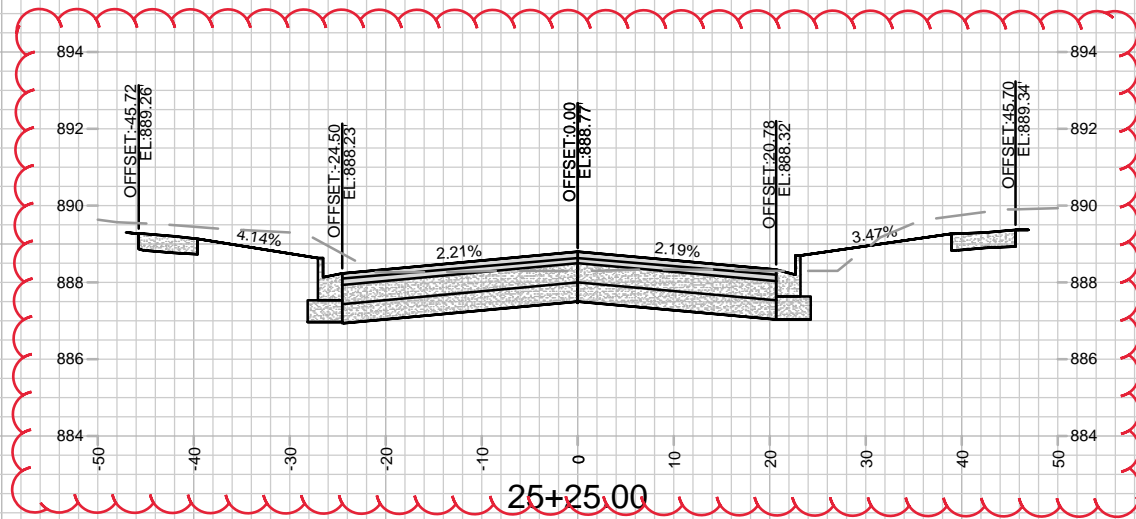
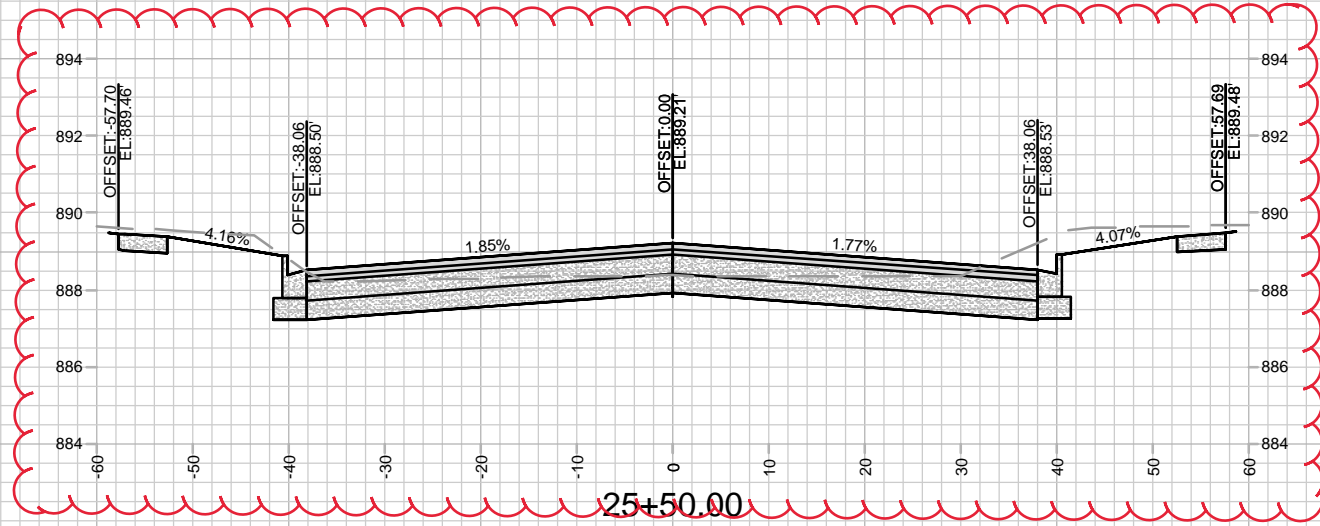
MARK	REVISION	DATE	BY

14927  
 MADISON, WI  
 CONTRACT NO: 9381/9382

CROSS SECTION - SPITTLEBUG CIRCLE  
 VILLAGE AT AUTUMN LAKE PHASE 14  
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REVISED 5/ 30/ 2024 - F.B.E.G.  
 • UPDATED GRADES ALONG SIDEWALK



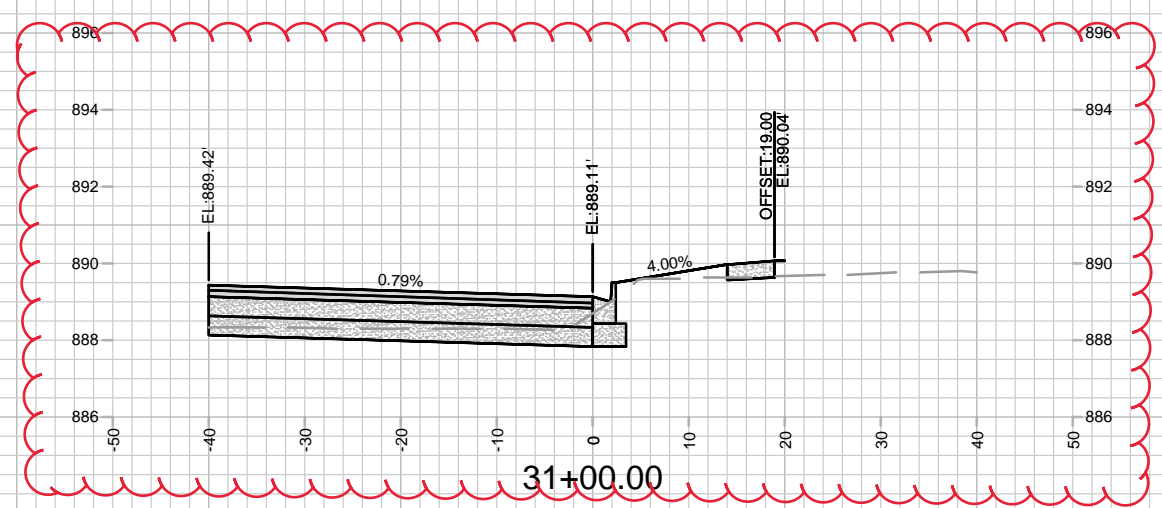
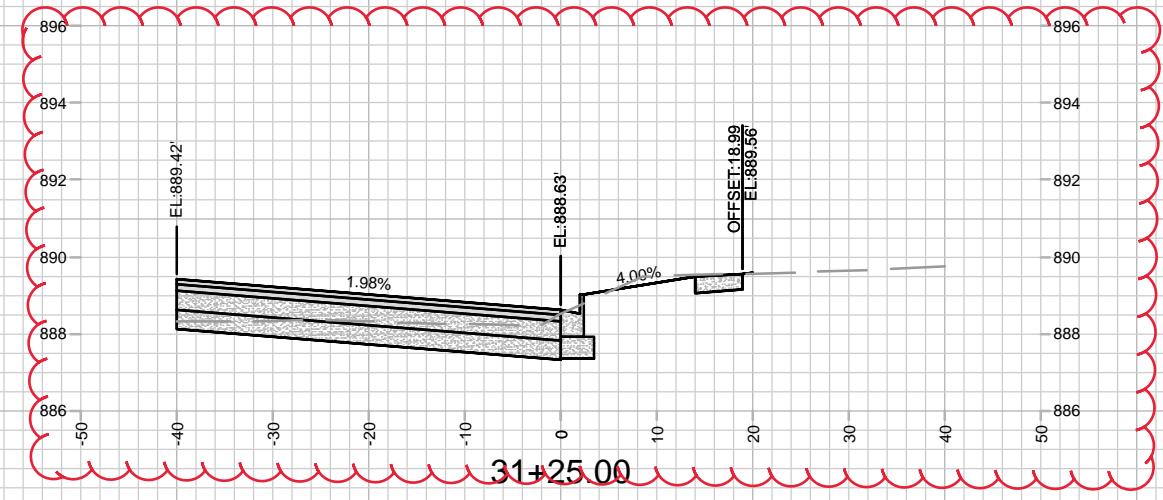
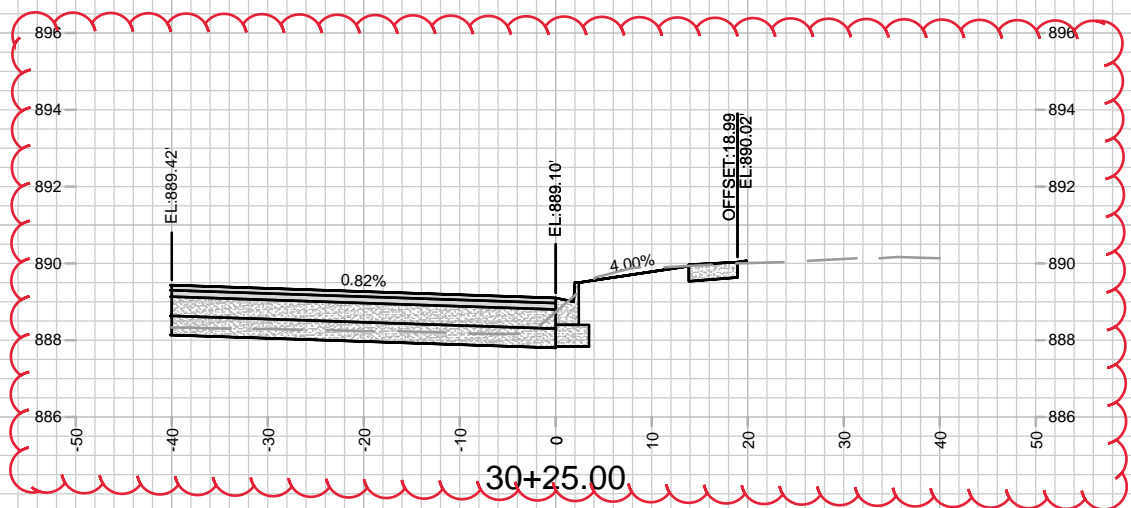
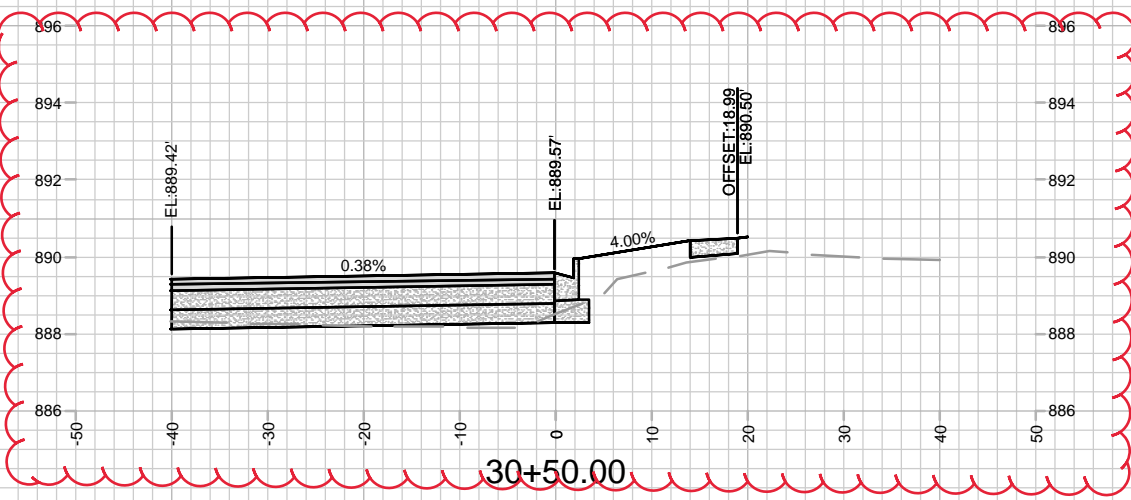
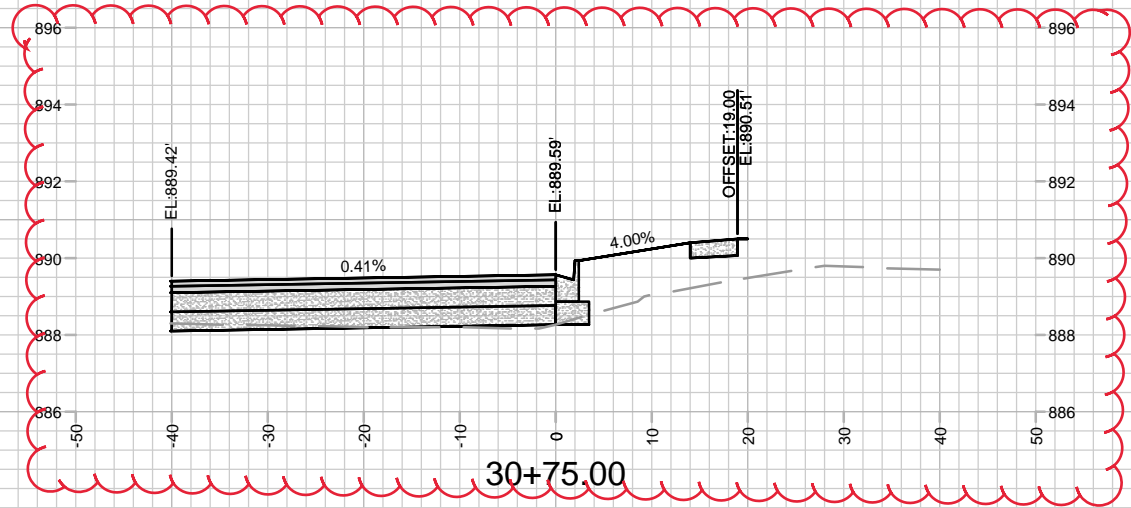
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			X-5

14927  
 MADISON, WI  
 CONTRACT NO: 9381/9382  
 CROSS SECTION - SPITTLEBUG CIRCLE  
 VILLAGE AT AUTUMN LAKE PHASE 14  
 M:\DESIGN\Projects\14927\CAD\Streets\14927\EN-Xsections.dwg



14927  
 X-5

REVISED 5/ 30/ 2024 - F.B.E.G.  
 • UPDATED GRADES ALONG SIDEWALK AND  
 UPDATED CROSS SLOPES TO REFLECT EDGE OF  
 PAVEMENT PROFILE DISPLAYED ON SHEET P-4



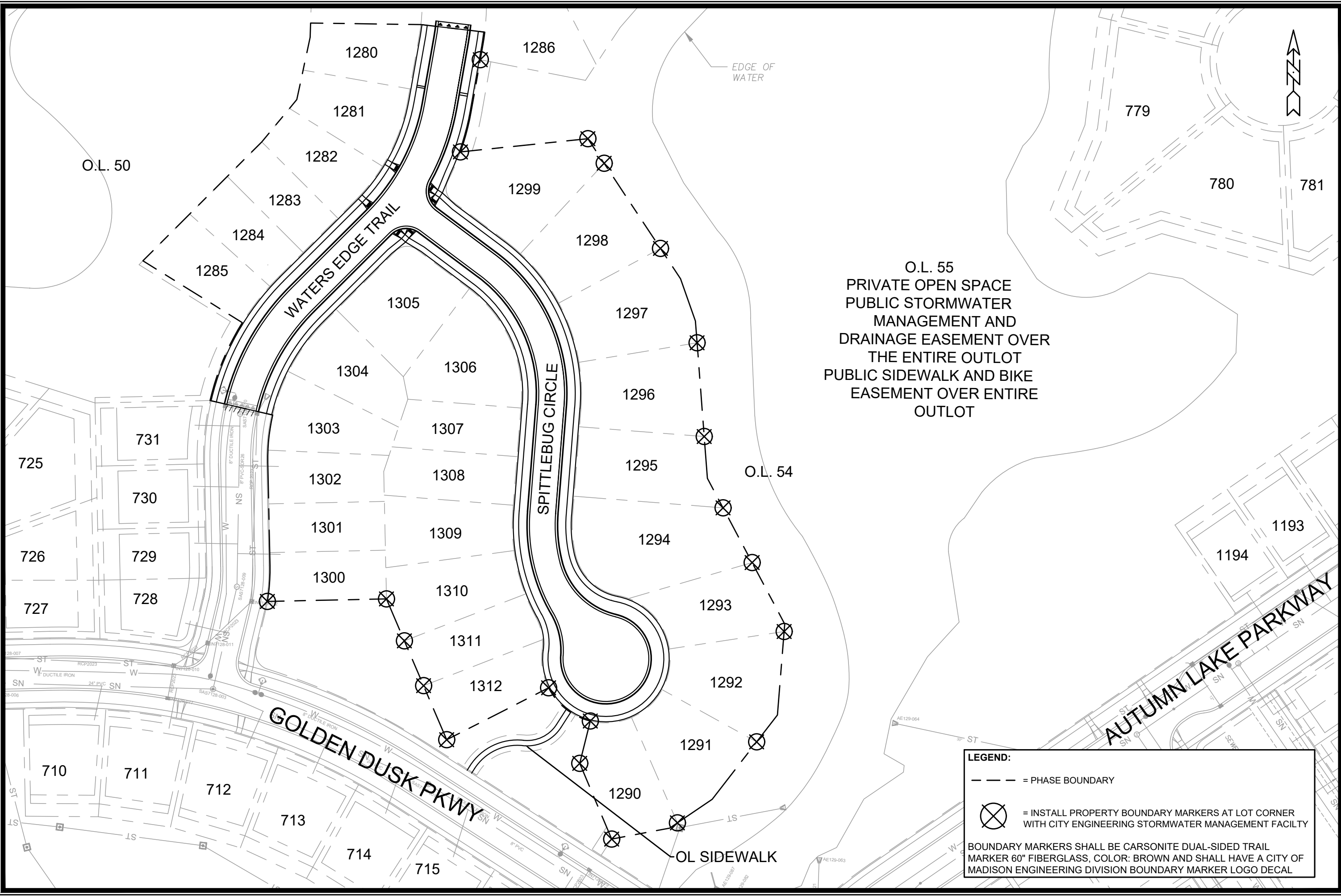
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 MADISON, WI  
 CONTRACT NO: 9381/9382

CROSS SECTION - SPITTLEBUG CIRCLE CUL-DE-SAC  
 VILLAGE AT AUTUMN LAKE PHASE 14  
 M:\DESIGN\Projects\14927\CAD\Streets\14927\EN-Xsections.dwg



14927  
 X-6



O.L. 55  
 PRIVATE OPEN SPACE  
 PUBLIC STORMWATER  
 MANAGEMENT AND  
 DRAINAGE EASEMENT OVER  
 THE ENTIRE OUTLOT  
 PUBLIC SIDEWALK AND BIKE  
 EASEMENT OVER ENTIRE  
 OUTLOT

**LEGEND:**

--- = PHASE BOUNDARY

⊗ = INSTALL PROPERTY BOUNDARY MARKERS AT LOT CORNER WITH CITY ENGINEERING STORMWATER MANAGEMENT FACILITY

BOUNDARY MARKERS SHALL BE CARSONITE DUAL-SIDED TRAIL MARKER 60" FIBERGLASS, COLOR: BROWN AND SHALL HAVE A CITY OF MADISON ENGINEERING DIVISION BOUNDARY MARKER LOGO DECAL

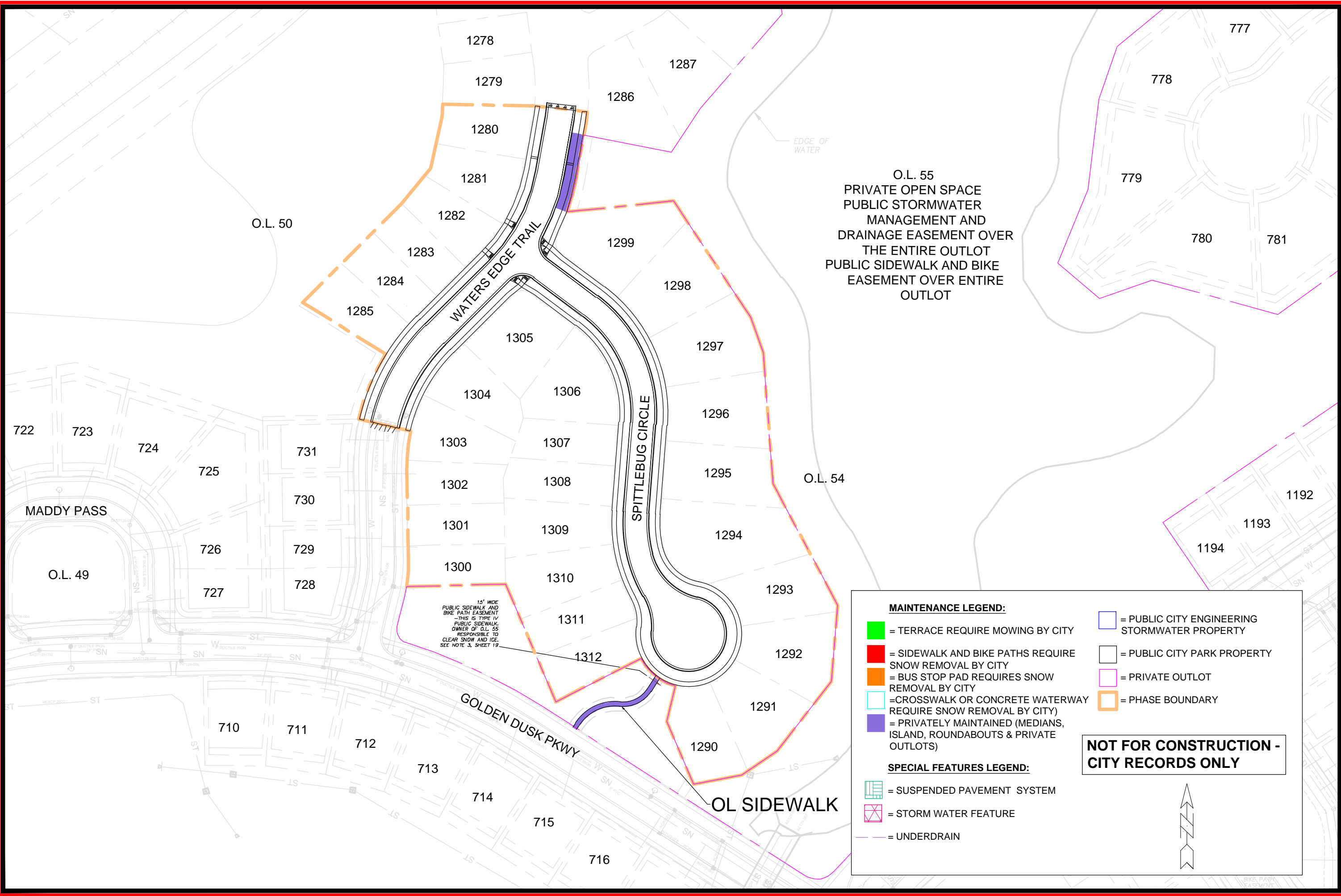
MARK	REVISION	DATE	BY
14927			

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 MADISON, WI  
 CONTRACT NO: 9381/9382

PROPERTY BOUNDARY MARKERS  
 VILLAGE AT AUTUMN LAKE PHASE 14  
 M:\DESIGN\Projects\14927\CAD\Streets\14927\EN-PhaseBoundary.dwg

14927  
 PBM-1





O.L. 55  
 PRIVATE OPEN SPACE  
 PUBLIC STORMWATER  
 MANAGEMENT AND  
 DRAINAGE EASEMENT OVER  
 THE ENTIRE OUTLOT  
 PUBLIC SIDEWALK AND BIKE  
 EASEMENT OVER ENTIRE  
 OUTLOT

15' WIDE  
 PUBLIC SIDEWALK AND  
 BIKE PATH EASEMENT  
 -THIS IS TYPE IV  
 PUBLIC SIDEWALK.  
 OWNER OF O.L. 55  
 RESPONSIBLE TO  
 CLEAR SNOW AND ICE.  
 SEE NOTE 3, SHEET 19

**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

**SPECIAL FEATURES LEGEND:**

- = SUSPENDED PAVEMENT SYSTEM
- = STORM WATER FEATURE
- = UNDERDRAIN

**NOT FOR CONSTRUCTION - CITY RECORDS ONLY**

14927	MADISON, WI	14927	9381/9382	MN-1
MAINTENANCE PLAN VILLAGE AT AUTUMN LAKE PHASE 14 M:\DESIGN\Projects\14927\CAD\Streets\14927\EN-Maintenance.dwg				
14927 MN-1				