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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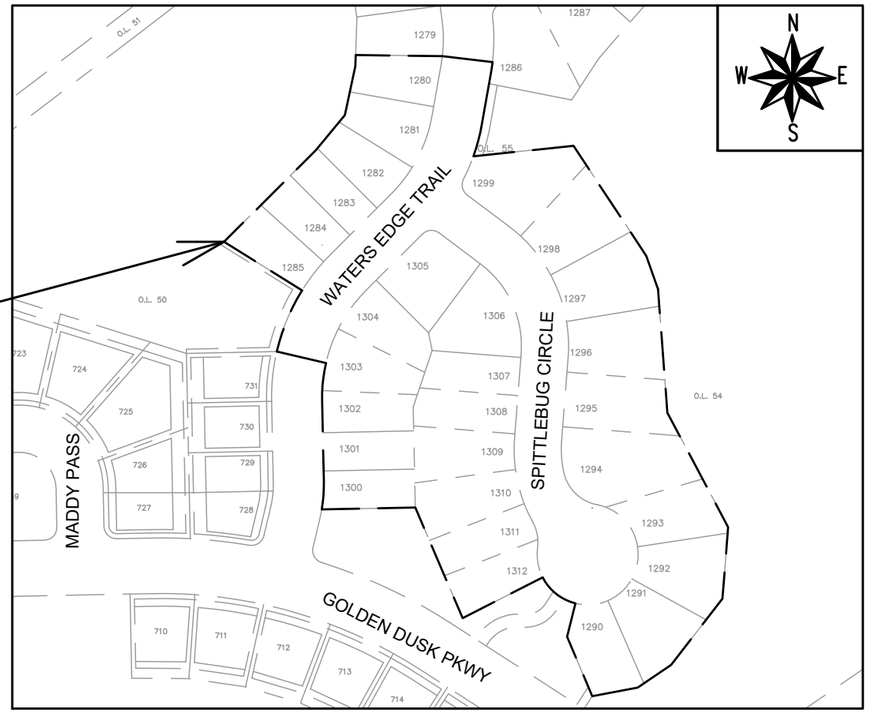
PROJECT LOCATION



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:

WISCONSIN — FADI B EL MUSA GONZALEZ — E-47872 — MADISON WI — PROFESSIONAL ENGINEER

Apr 16, 2024

GEOMETRY DESIGNED BY:

WISCONSIN — SEAN D MALLOY — E-48326 — MADISON WI — PROFESSIONAL ENGINEER

Apr 16, 2024

STORM SEWER DESIGNED BY:

WISCONSIN — JANET SCHMIDT — E-34681 — MADISON WI — PROFESSIONAL ENGINEER

Apr 16, 2024

WATER DESIGNED BY:

WISCONSIN — ADAM R. WIEDERHOEFT — E-41559 — MADISON WI — PROFESSIONAL ENGINEER

Apr 16, 2024

SANITARY SEWER DESIGNED BY:

WISCONSIN — MARK D. MODER — E-33979 — MADISON WI — PROFESSIONAL ENGINEER

Apr 16, 2024

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

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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	CAUTION

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: 9381/9382

STANDARD NOTES

VILLAGE AT AUTUMN LAKE PHASE 14

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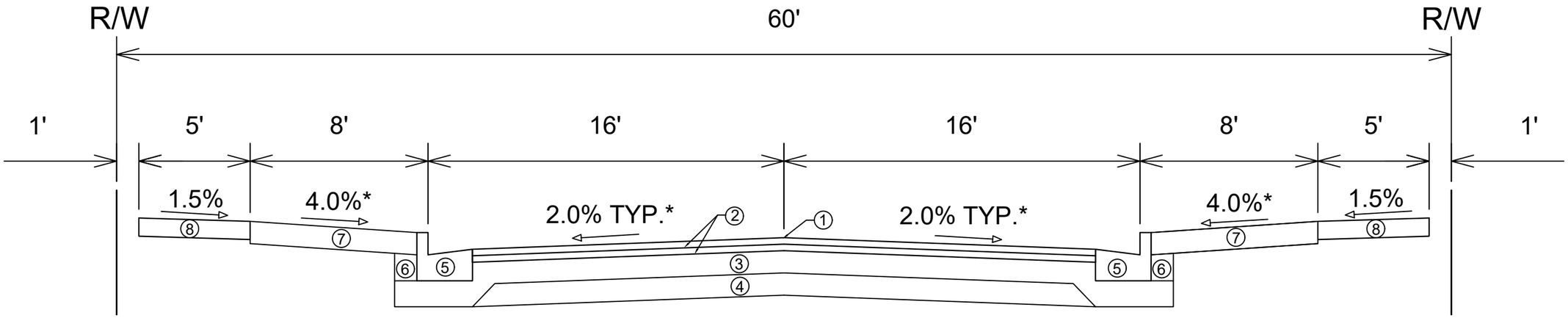
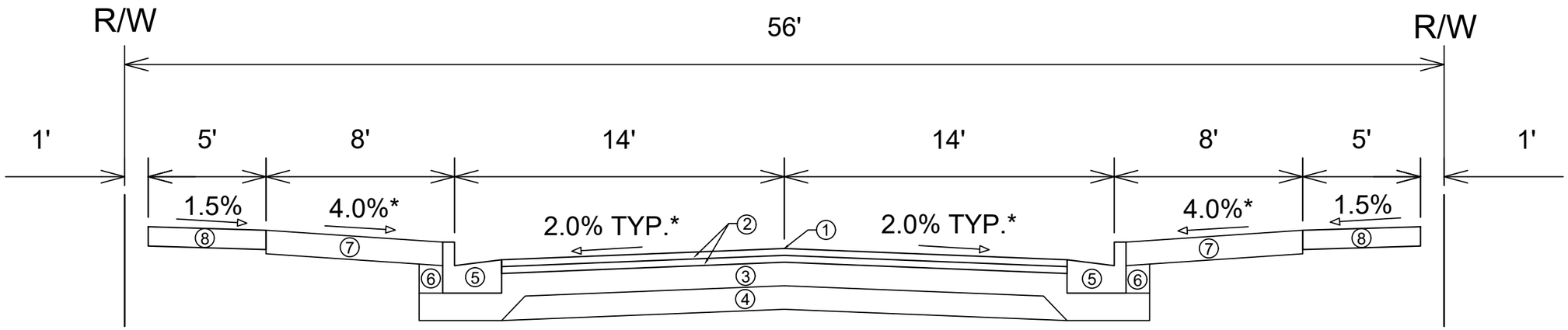
D-1



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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MADISON, WI
CONTRACT NO: 9381/9382

TYPICAL SECTIONS
VILLAGE AT AUTUMN LAKE PHASE 14
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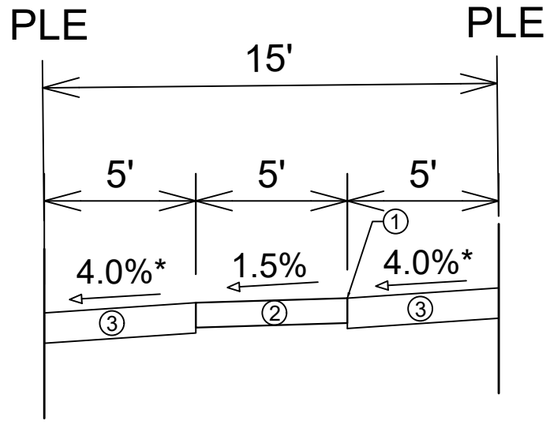

TYPICAL SECTION
OL SIDEWALK

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

TYPICAL SECTIONS

VILLAGE AT AUTUMN LAKE PHASE 14

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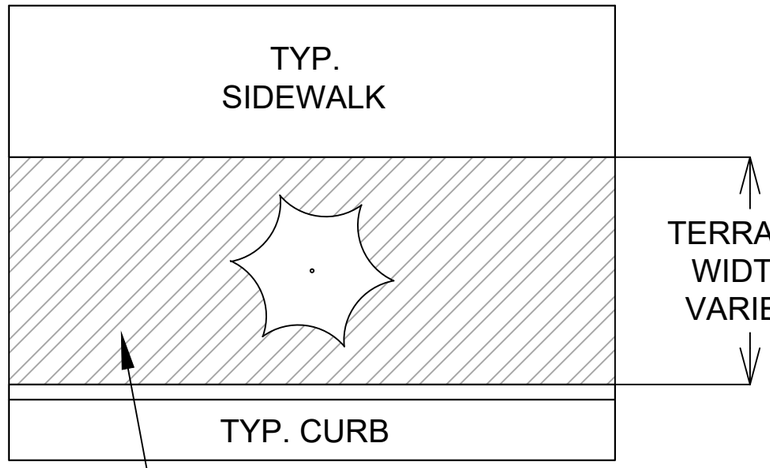
TERRACE EXCAVATION FOR TREE PLANTING:

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.

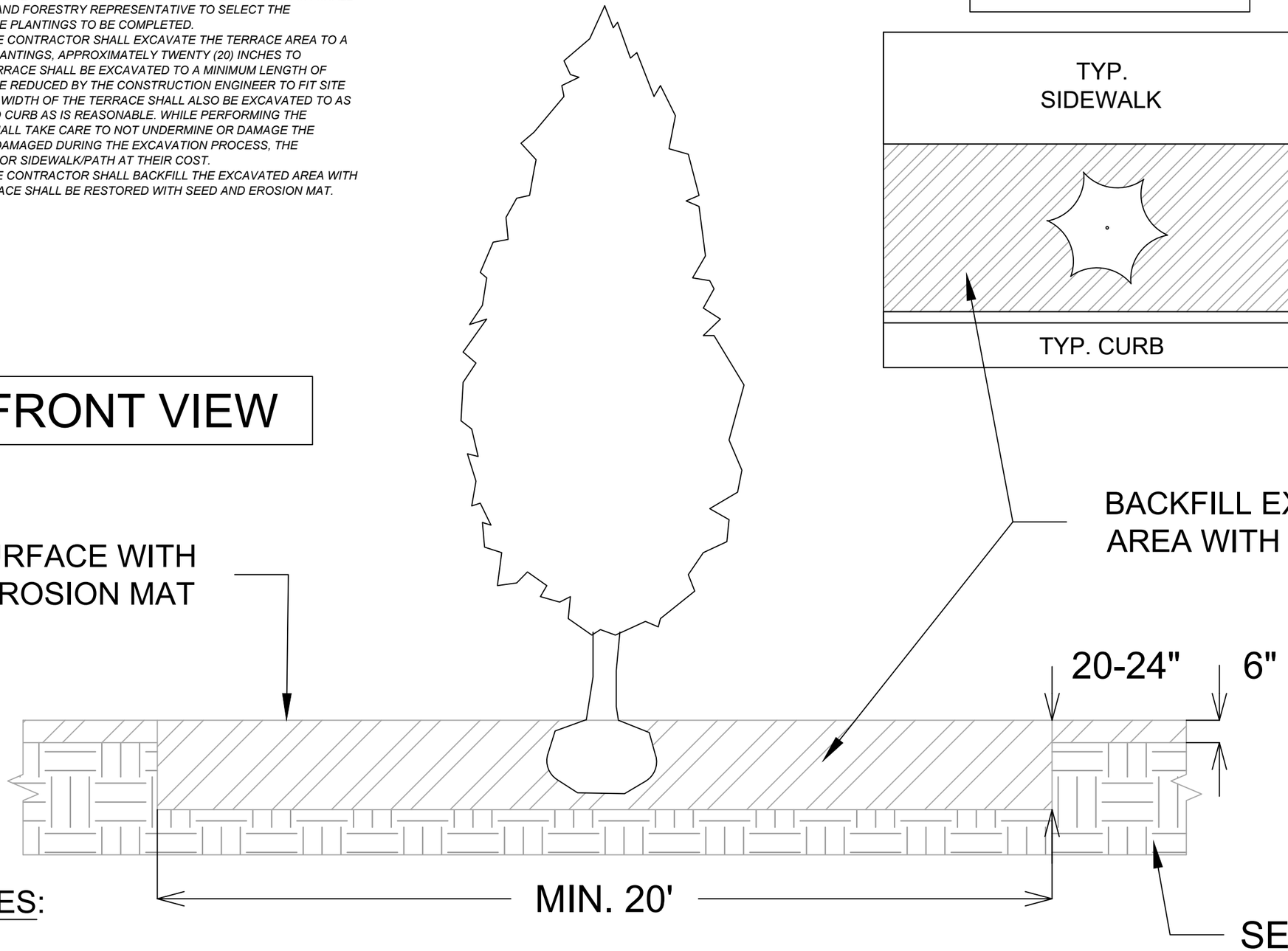
ONCE THE LOCATIONS MARKED, THE CONTRACTOR SHALL EXCAVATE THE TERRACE AREA TO A SUITABLE DEPTH FOR NEW TREE PLANTINGS, APPROXIMATELY TWENTY (20) INCHES TO TWENTY-FOUR (24) INCHES. THE TERRACE SHALL BE EXCAVATED TO A MINIMUM LENGTH OF TWENTY (20) FEET, BUT THAT MAY BE REDUCED BY THE CONSTRUCTION ENGINEER 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



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

WISCONSIN AND SOUTHERN RAILROAD

O.L. 51

O.L. 50

O.L. 49

O.L. 55

O.L. 54

WATERS EDGE TRAIL

SPITTLEBUG CIRCLE

GOLDEN DUSK PKWY.

AUTUMN LAKE PARKWAY

MADDY PASS

EDGE OF WATER

1279 1280 1281 1282 1283 1284 1285 1286 1287 1299 1298 1297 1296 1295 1294 1293 1292 1291 1290 1305 1306 1304 1303 1307 1308 1302 1301 1309 1310 1300 1311 1312

722 723 724 731 725 730 726 729 727 728 710 711 712 713 714

RIM: 888.22
IE: 867.70

RIM: 887.00
IE: 868.18

RIM: 887.08
IE: 870.06

OL SIDEWALK

LEGEND

SURFACE PAVING BY DEVELOPER UNDER CONTRACT NO. 9382

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CONTRACT NO: 9381/9382

OVERVIEW PLAN

VILLAGE AT AUTUMN LAKE PHASE 14

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CITY OF MADISON WISCONSIN

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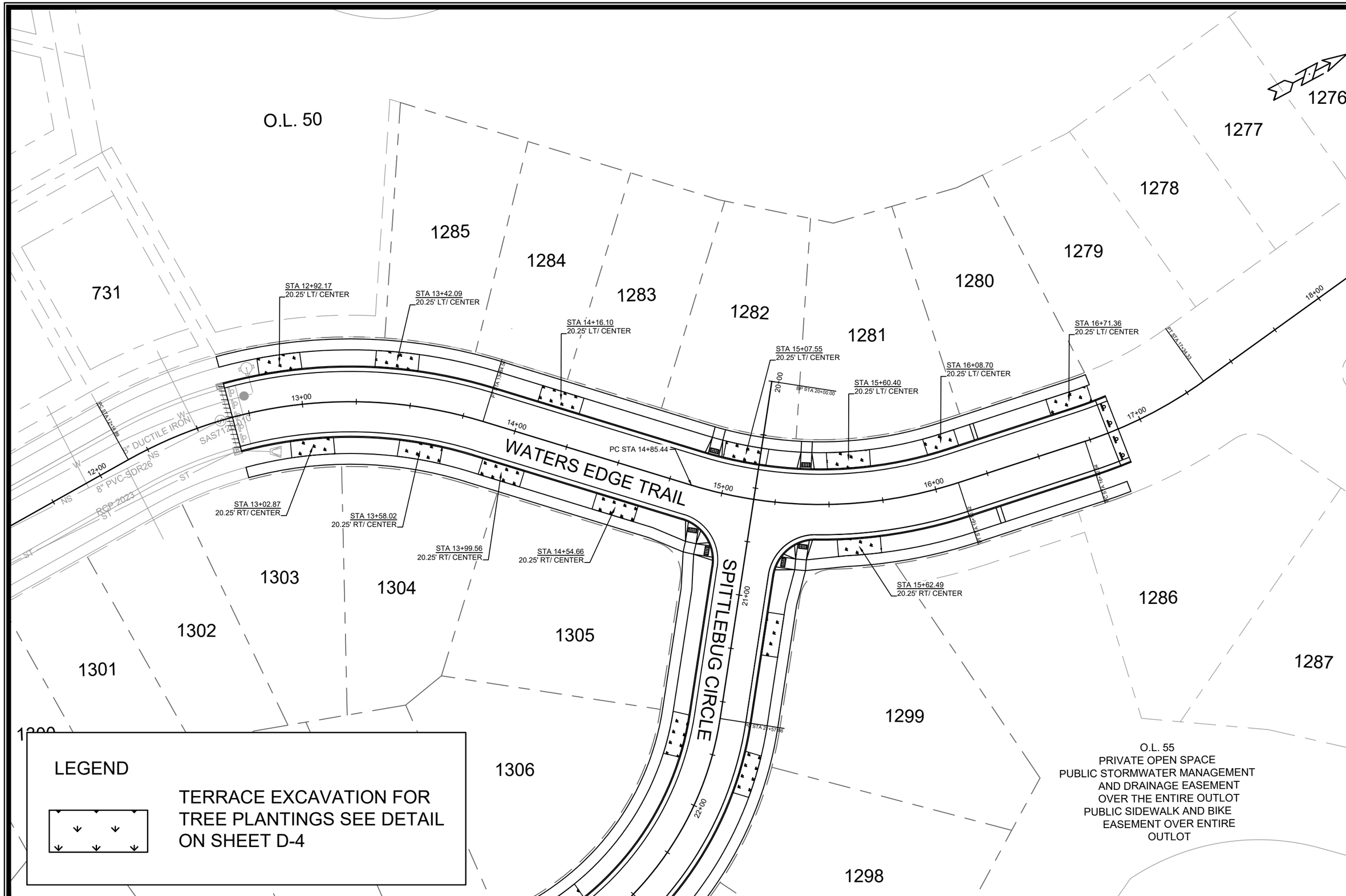

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MADISON, WI

CONTRACT NO: 9381/9382

LANDSCAPING PLAN - WATERS EDGE TRAIL

VILLAGE AT AUTUMN LAKE PHASE 14

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CITY OF MADISON WISCONSIN

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L-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

1299 1298 1297 1296 1295

STA 21+79.03
18.25' LT / CENTER

STA 21+15.85
18.25' LT / CENTER

STA 22+77.71
18.25' LT / CENTER

STA 23+31.96
18.25' LT / CENTER

STA 23+56.78
18.25' LT / CENTER

16+00 21+00 22+00 23+00 24+00

SPITTLEBUG CIRCLE

STA 22+79.89
18.25' RT / CENTER

STA 21+69.52
18.25' RT / CENTER

STA 23+18.86
18.25' RT / CENTER

STA 23+97.36
18.25' RT / CENTER

MATCH LINE 24+25.00

1281 1306 1305 1307 1308 1309 1304 1303 1302 1283 1282

20+00 15+00 14+00

PC STA 14+85.44

WATERS EDGE TRAIL

LEGEND

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

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MADISON, WI
CONTRACT NO: 9381/9382

LANDSCAPING PLAN - SPITTLEBUG CIRCLE
VILLAGE AT AUTUMN LAKE PHASE 14
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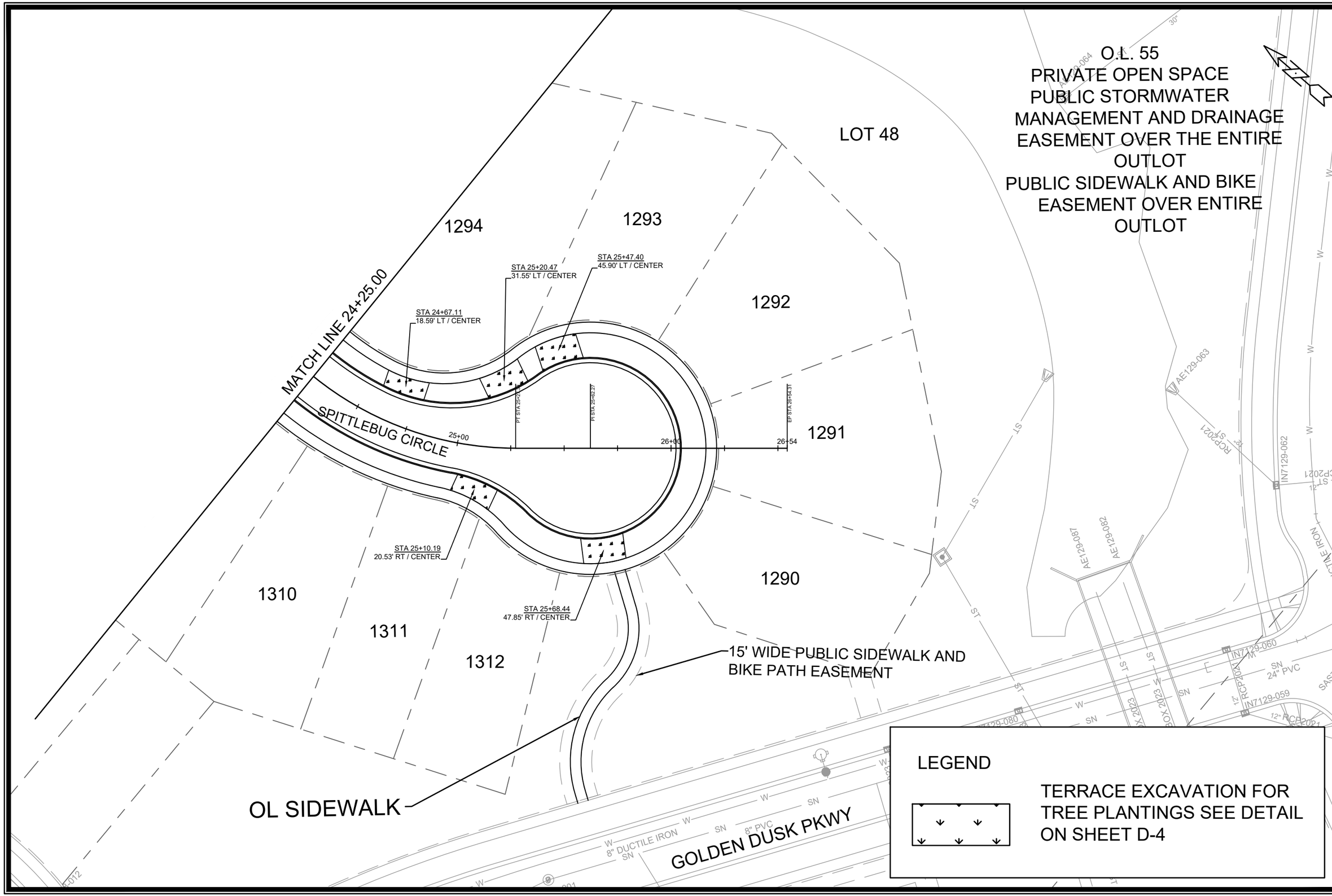
L-2



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CONTRACT NO: 9381/9382

LANDSCAPING PLAN - SPITTLEBUG CIRCLE

VILLAGE AT AUTUMN LAKE PHASE 14

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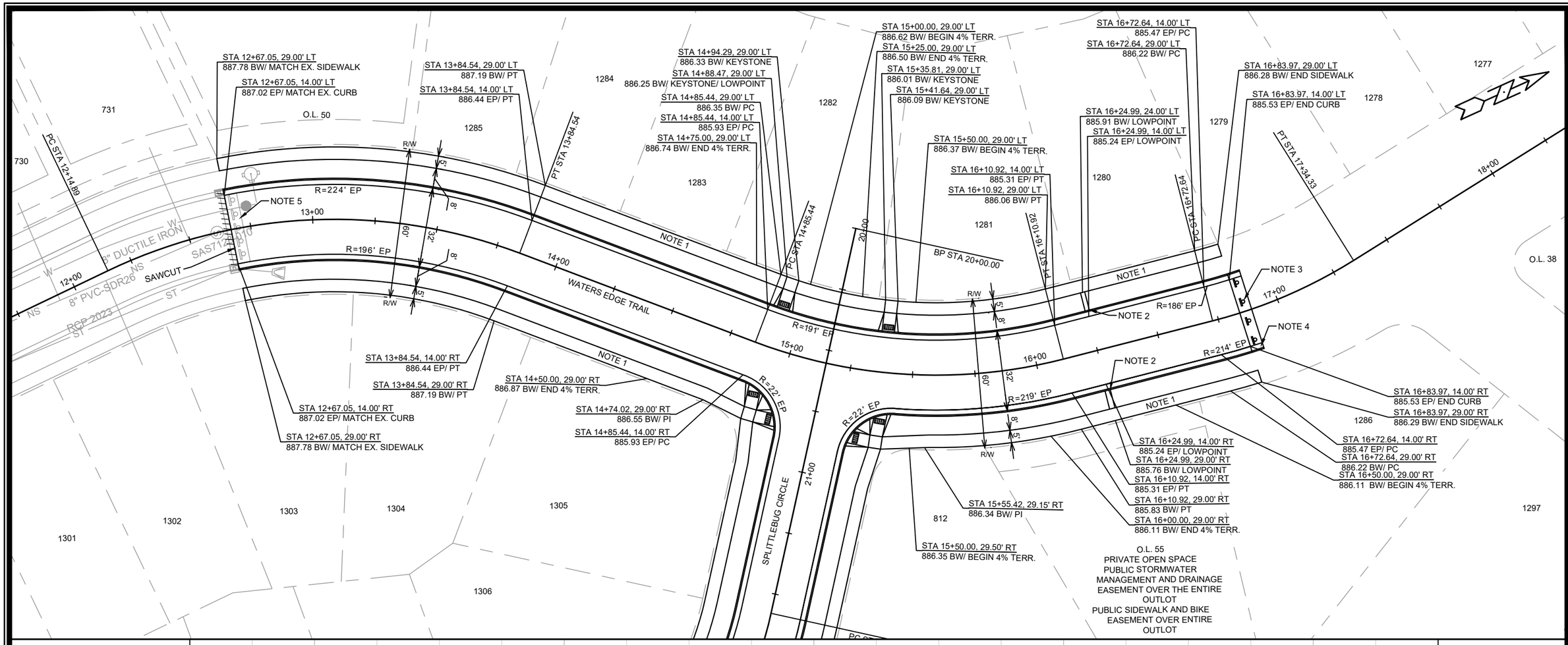

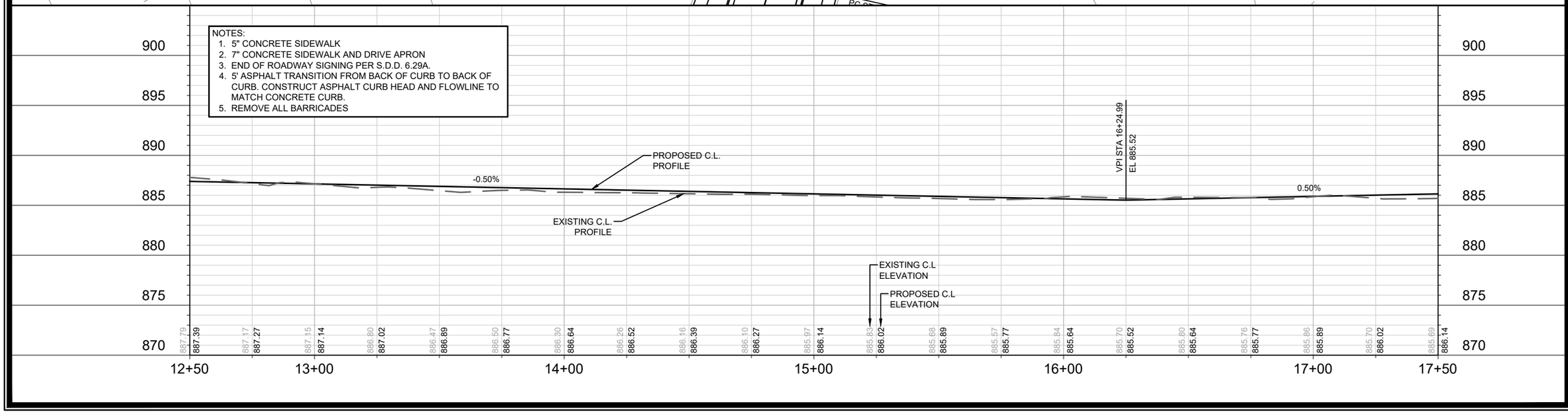

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PLAN & PROFILE - WATERS EDGE TRIAL

VILLAGE AT AUTUMN LAKE PHASE 14

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CITY OF MADISON WISCONSIN

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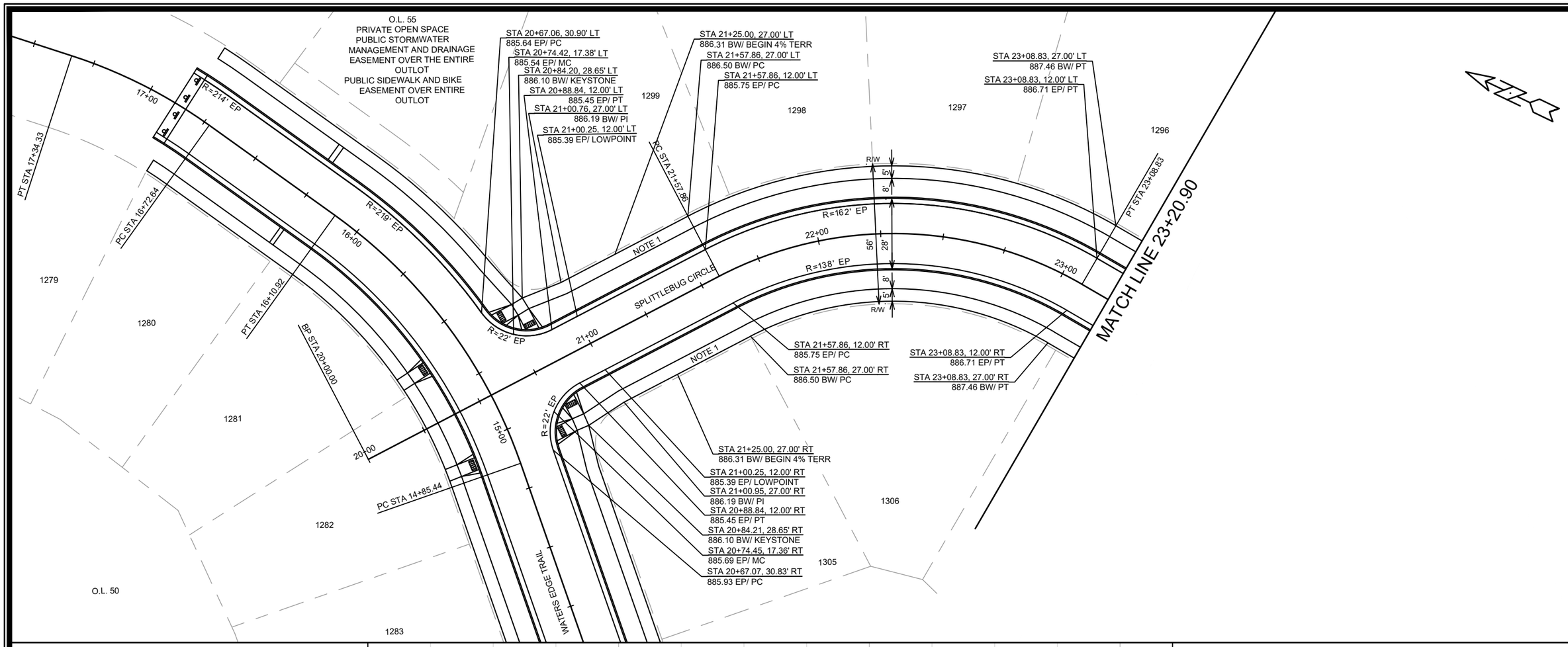

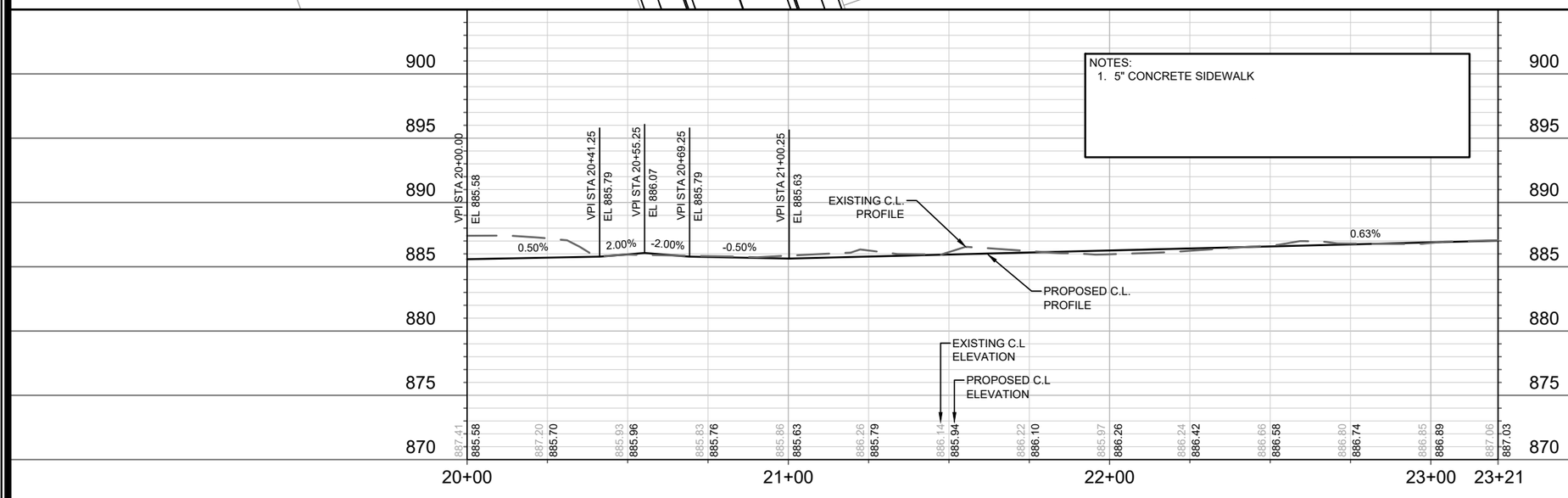

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MADISON, WI

CONTRACT NO: 9381/9382

PLAN & PROFILE - SPITTLEBUG CIRCLE

VILLAGE AT AUTUMN LAKE PHASE 14

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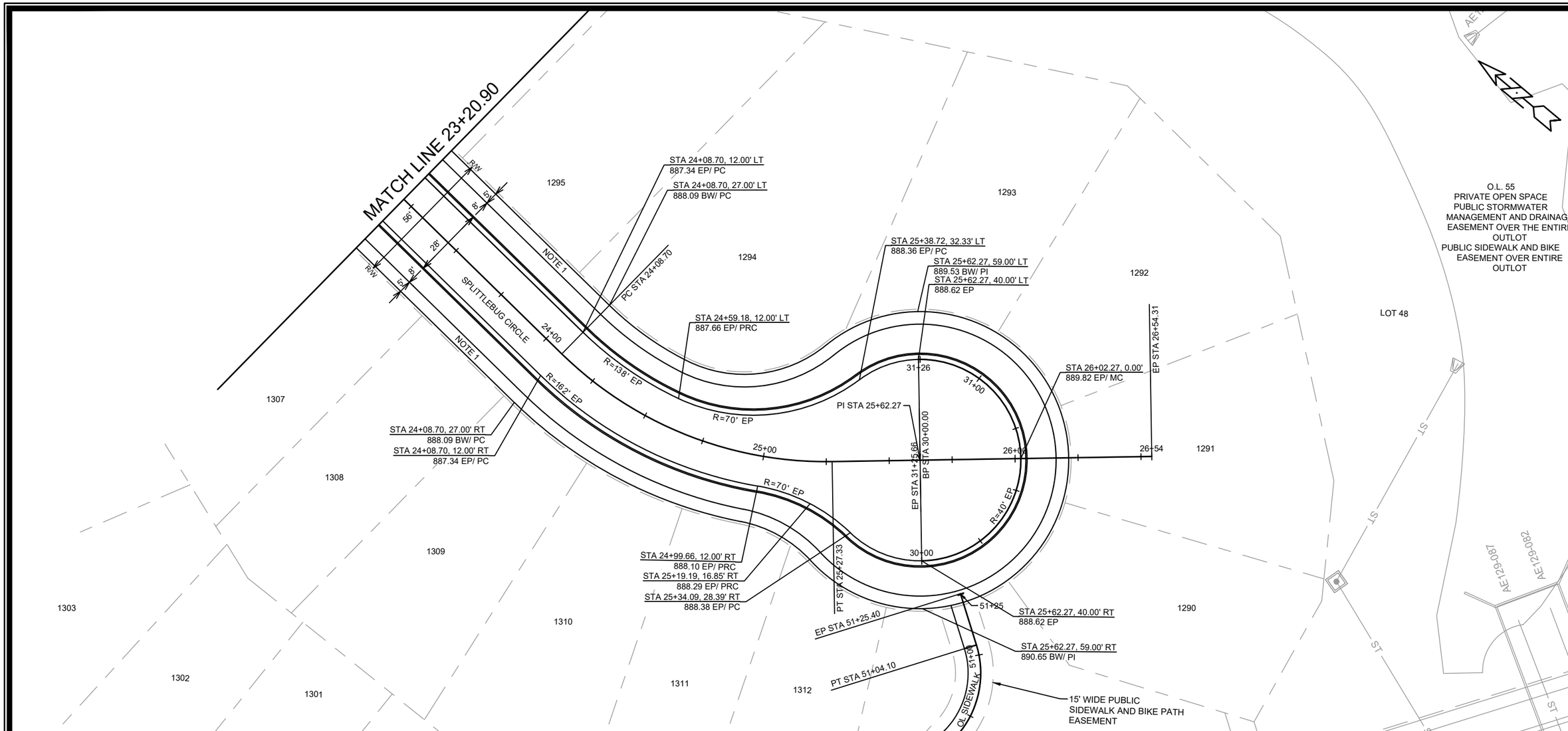
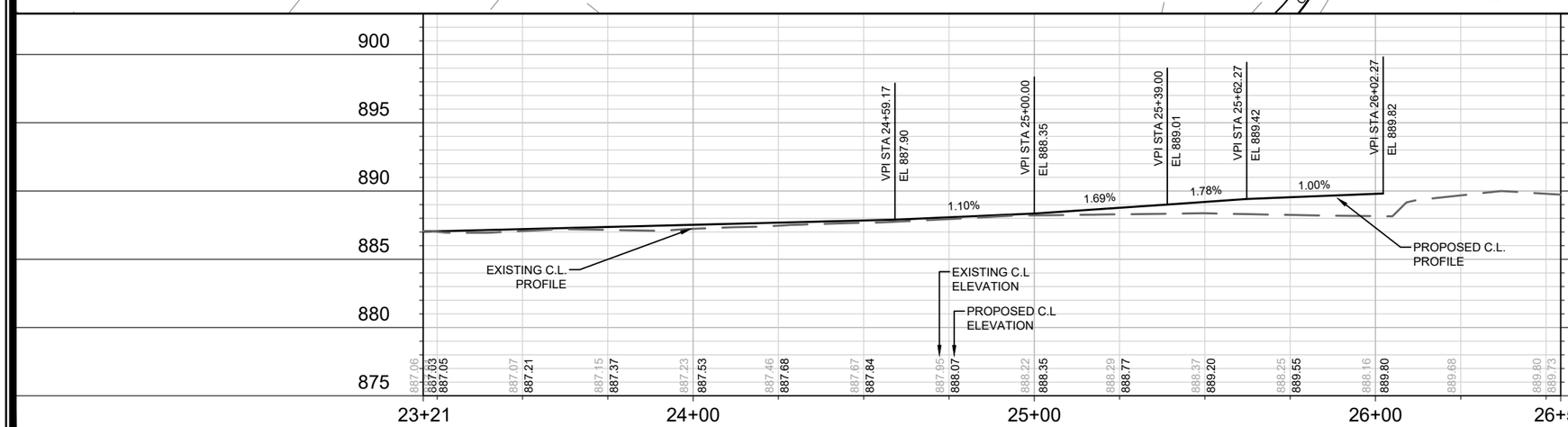
CITY OF MADISON WISCONSIN

14927

P-2





NOTES:
1. 5" CONCRETE SIDEWALK

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PLAN & PROFILE - SPITTLEBUG CIRCLE

VILLAGE AT AUTUMN LAKE PHASE 14

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MADISON, WI

CONTRACT NO: 9381/9382

CITY OF MADISON WISCONSIN

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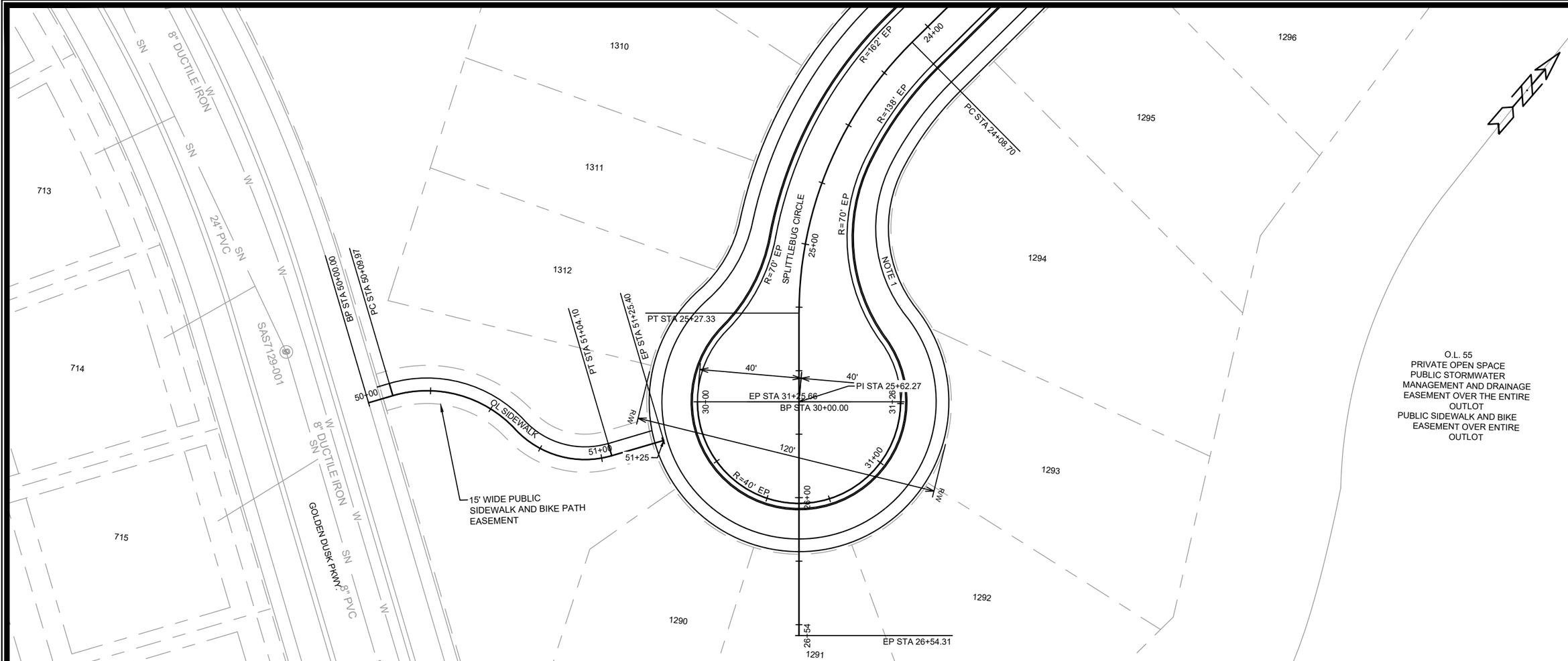
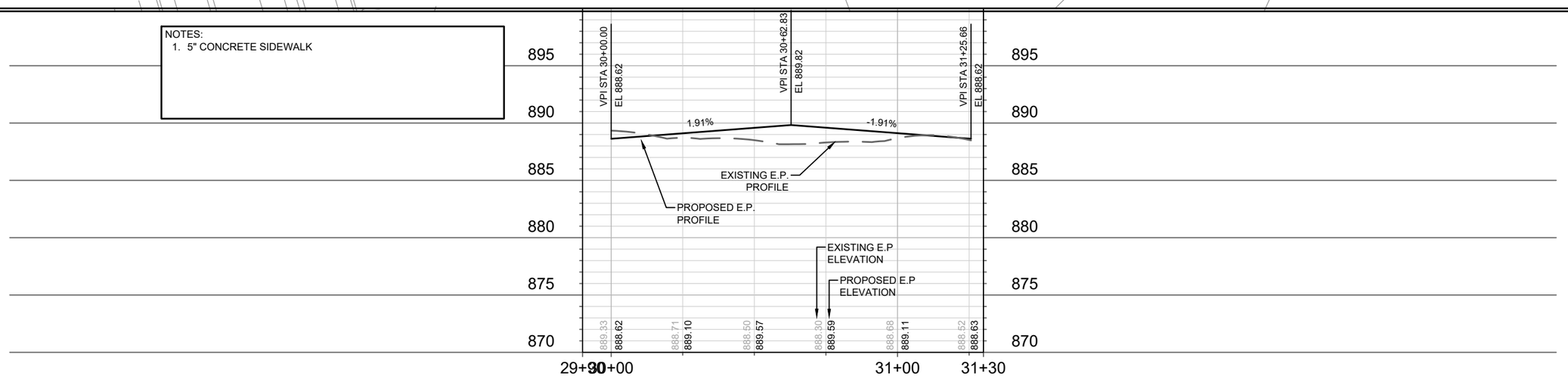


NOTES:
1. 5" CONCRETE SIDEWALK



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PLAN & PROFILE - SPITTLEBUG CIRCLE CUL-DE-SAC

VILLAGE AT AUTUMN LAKE PHASE 14

MADISON, WI

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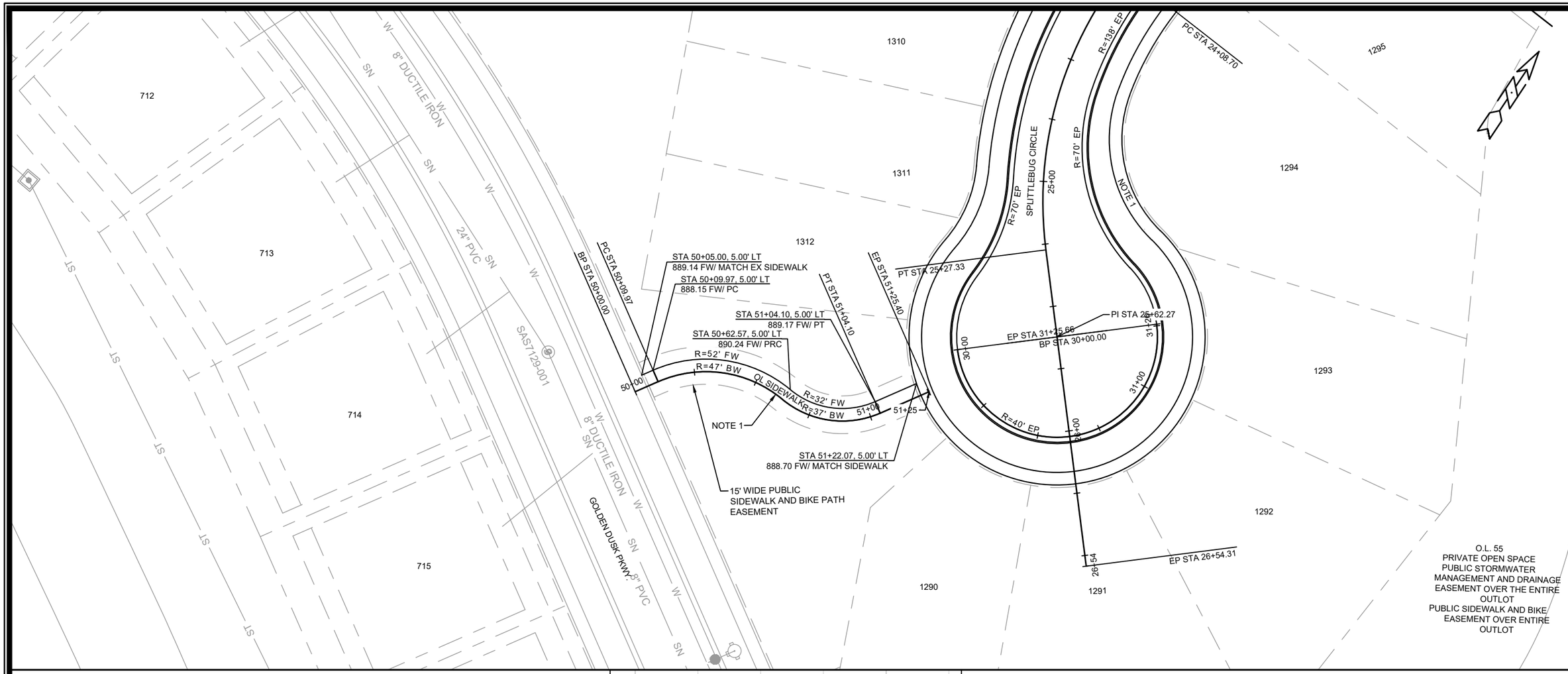

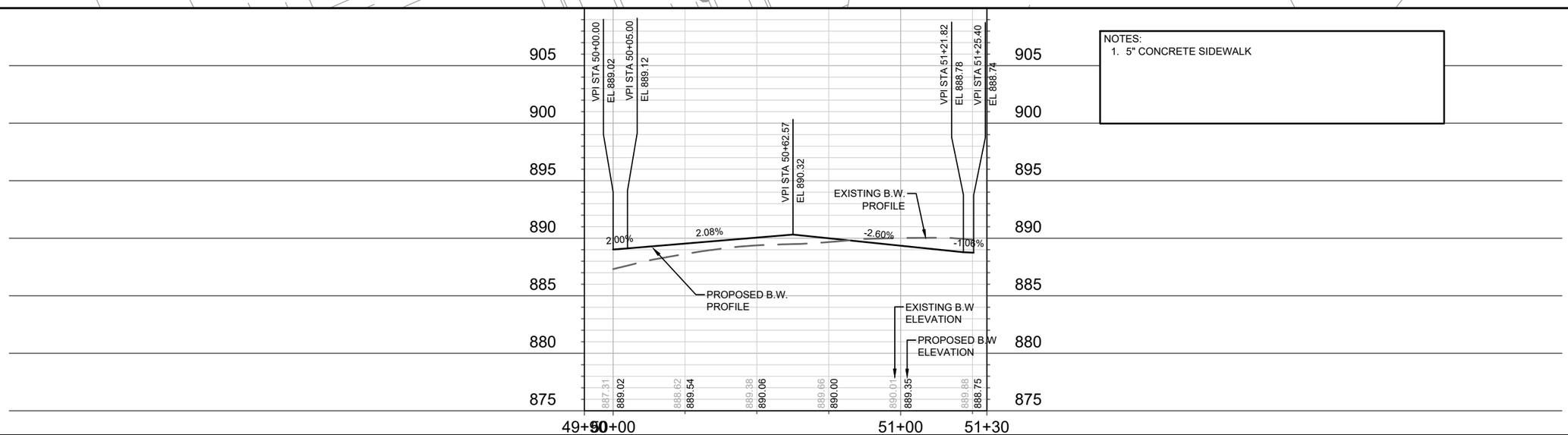

NOTES:
1. 5" CONCRETE SIDEWALK

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MADISON, WI

CONTRACT NO: 9381/9382

PLAN & PROFILE - OL SIDEWALK

VILLAGE AT AUTUMN LAKE PHASE 14

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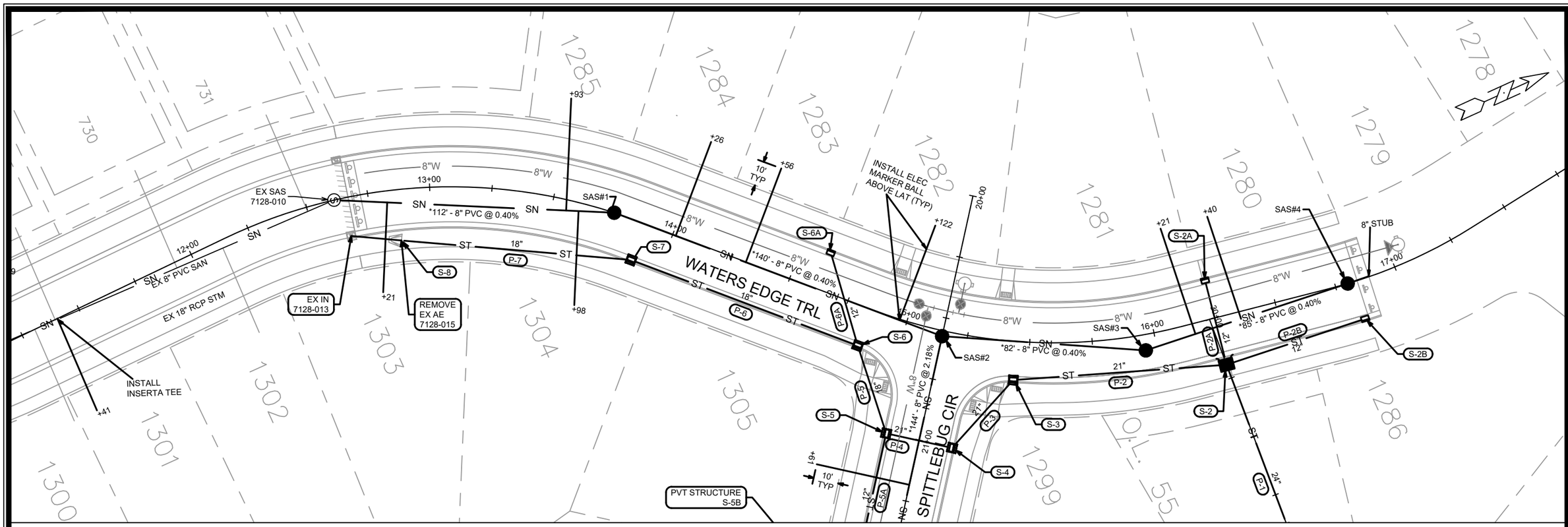
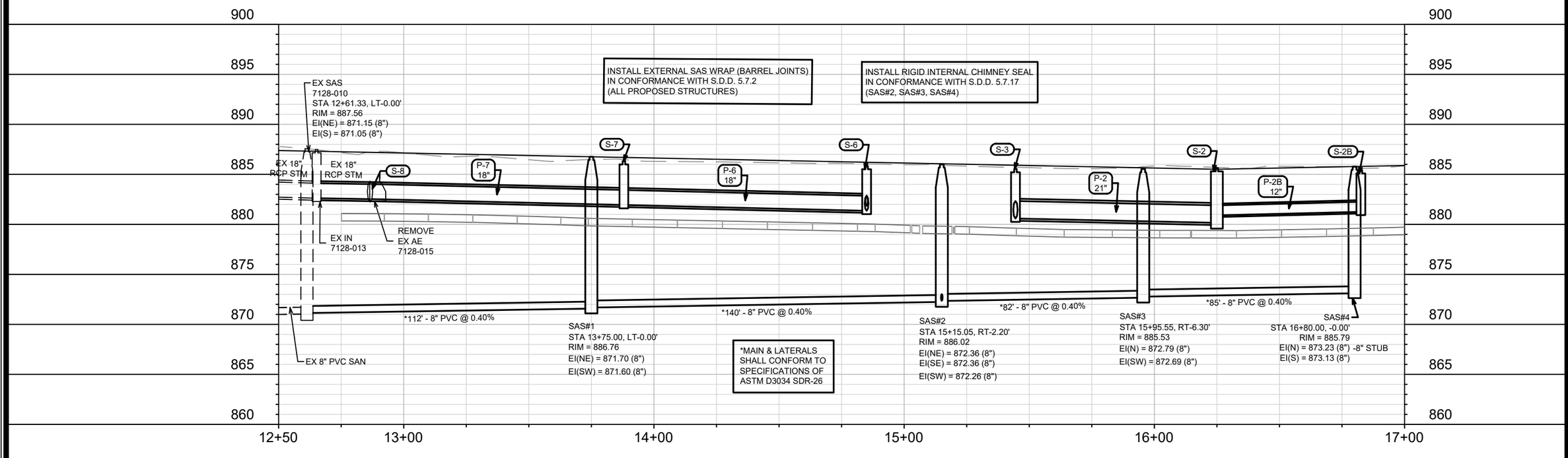
14927

P-5

P-5





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Date: 4/10/2024 11:15 AM
Scale: 1" = 40'

14927

MADISON, WI

CONTRACT NO: 9381/9382

UTILITIES PLAN & PROFILE - WATERS EDGE TRAIL

VILLAGE AT AUTUMN LAKE PHASE 14

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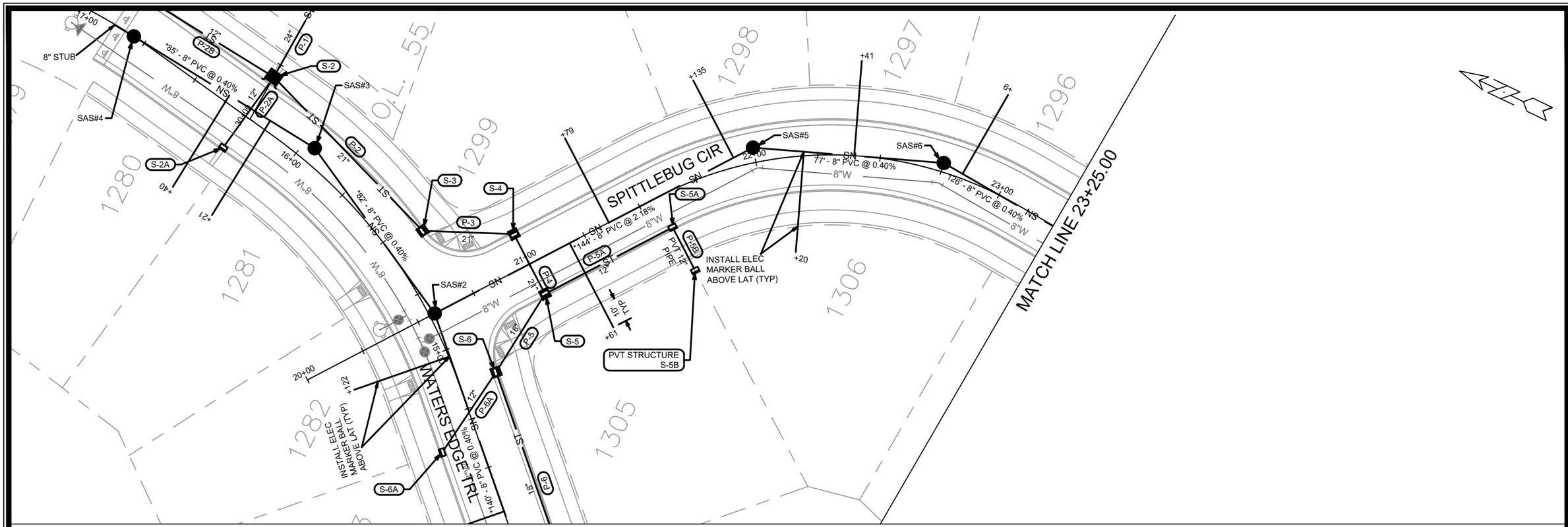
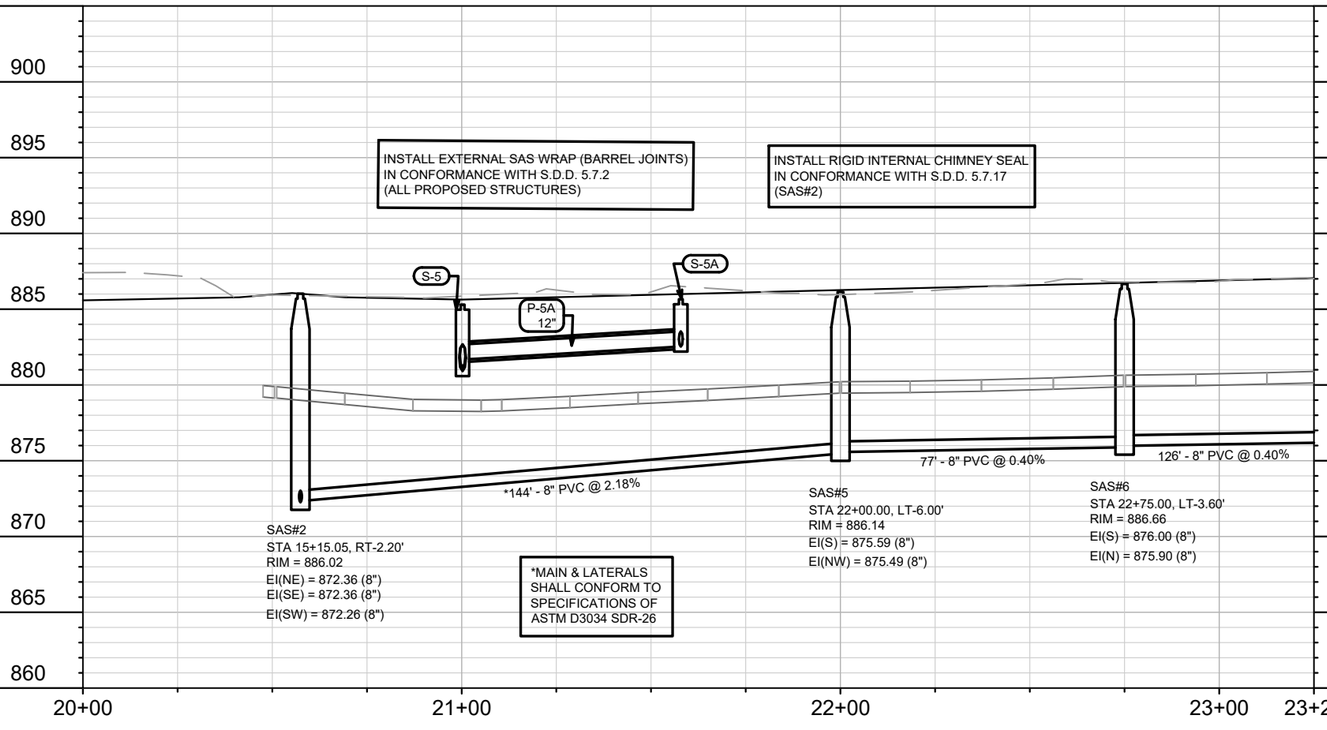
14927

U-1

U-1





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Scale: 1" = 40'

14927

U-2

14927

MADISON, WI

CONTRACT NO: 9381/9382

UTILITIES PLAN & PROFILE - SPITTLEBUG CIRCLE

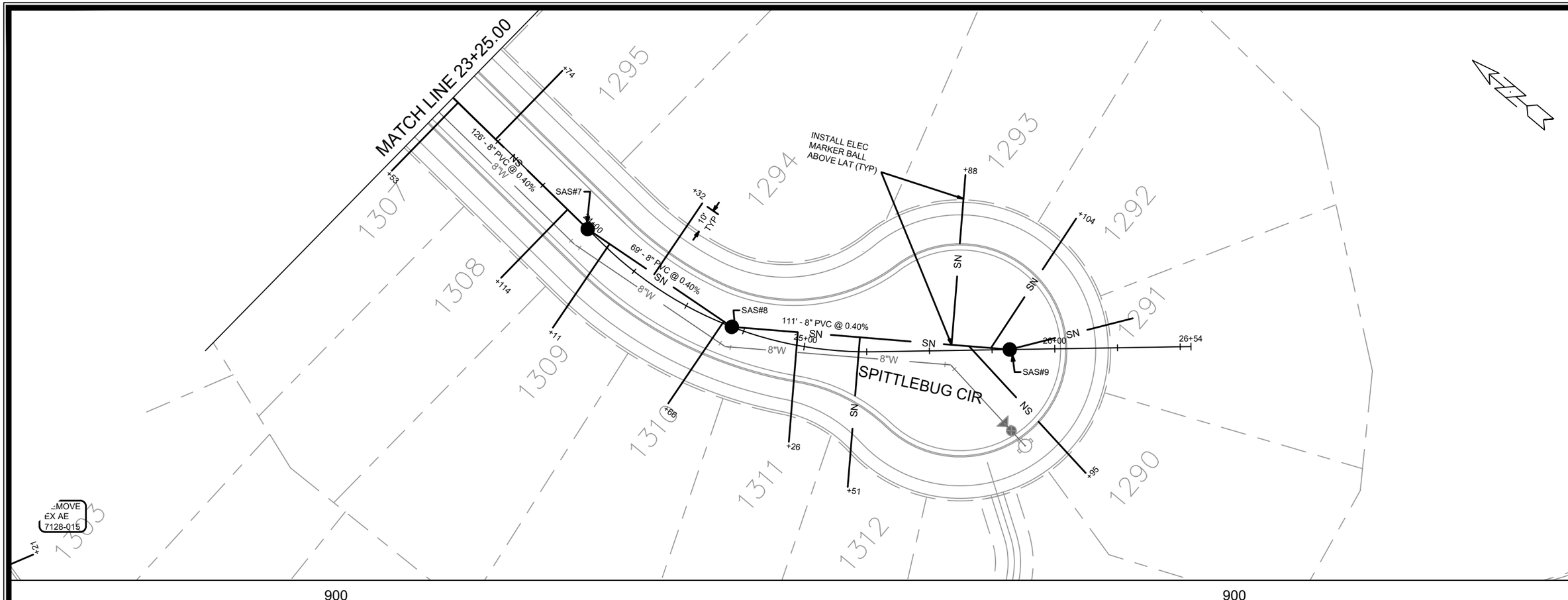
VILLAGE AT AUTUMN LAKE PHASE 14

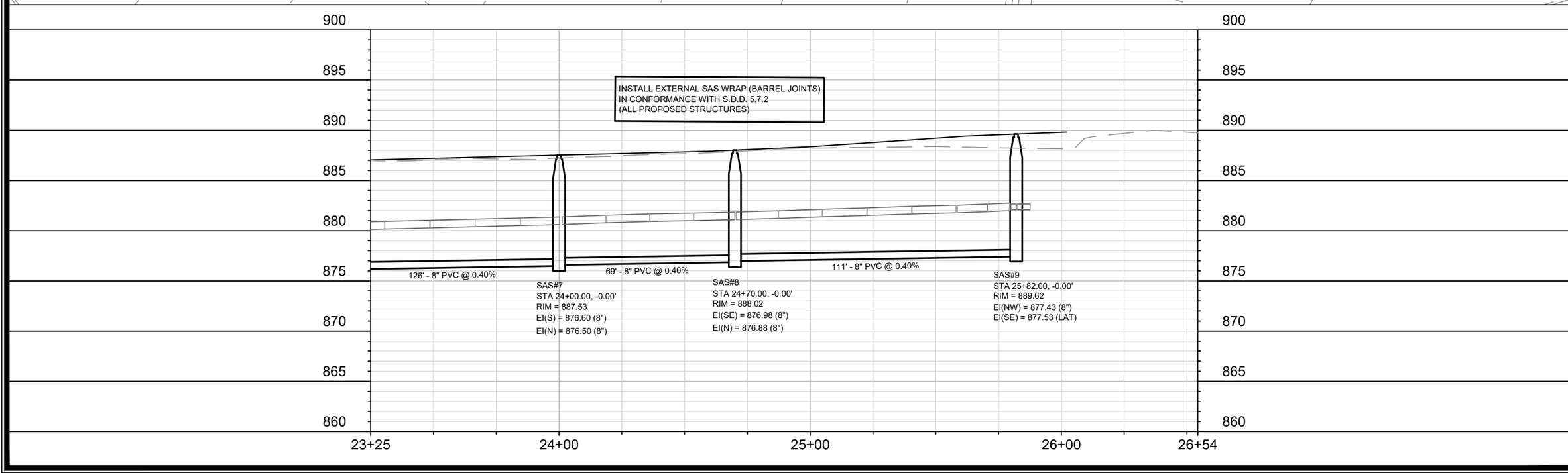
M:\DESIGN\Projects\14927\CAD\Sewers\14927SWR-PipeNetwork.dwg

CITY OF MADISON WISCONSIN

14927

U-2





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Designed By: EEA
Date: 4/10/2024 11:21 AM
Scale: 1" = 40'

U-3

14927

MADISON, WI

CONTRACT NO: 9381/9382

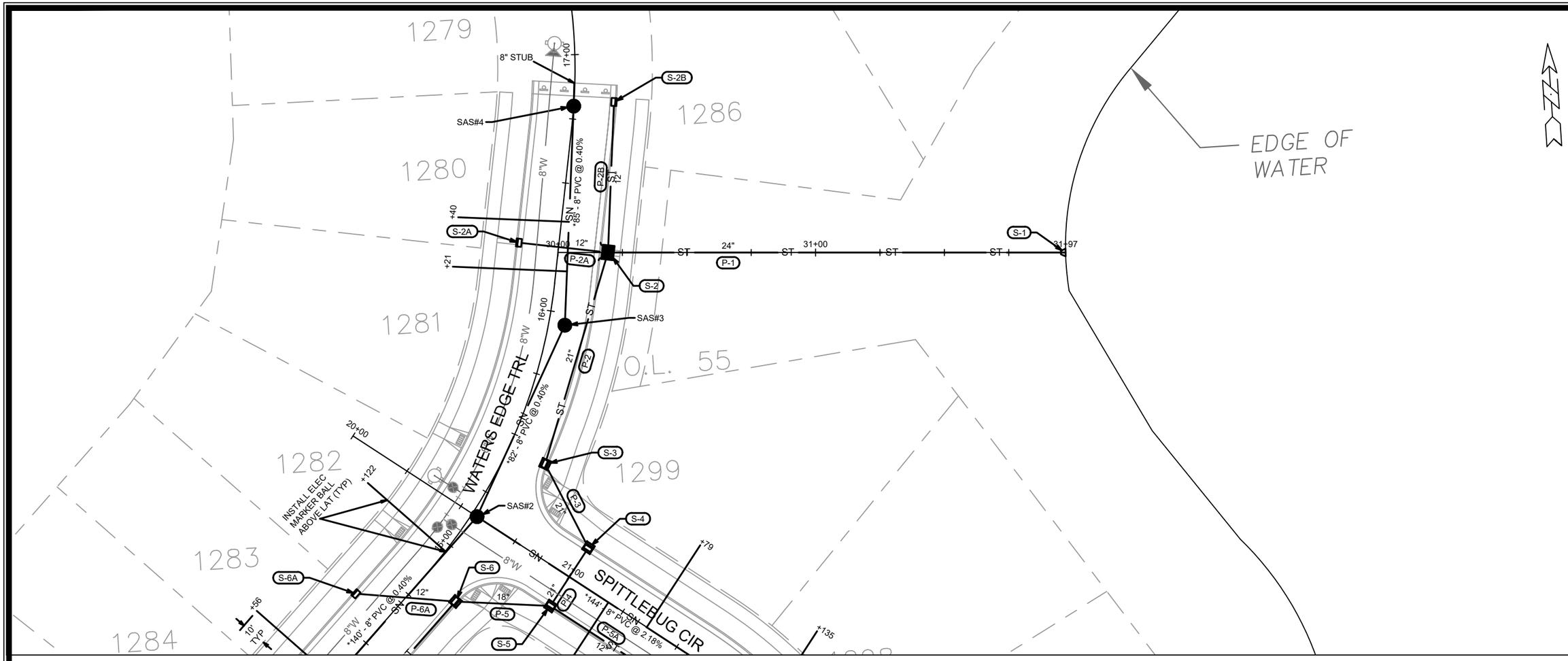
UTILITIES PLAN & PROFILE - SPITTLEBUG CIRCLE

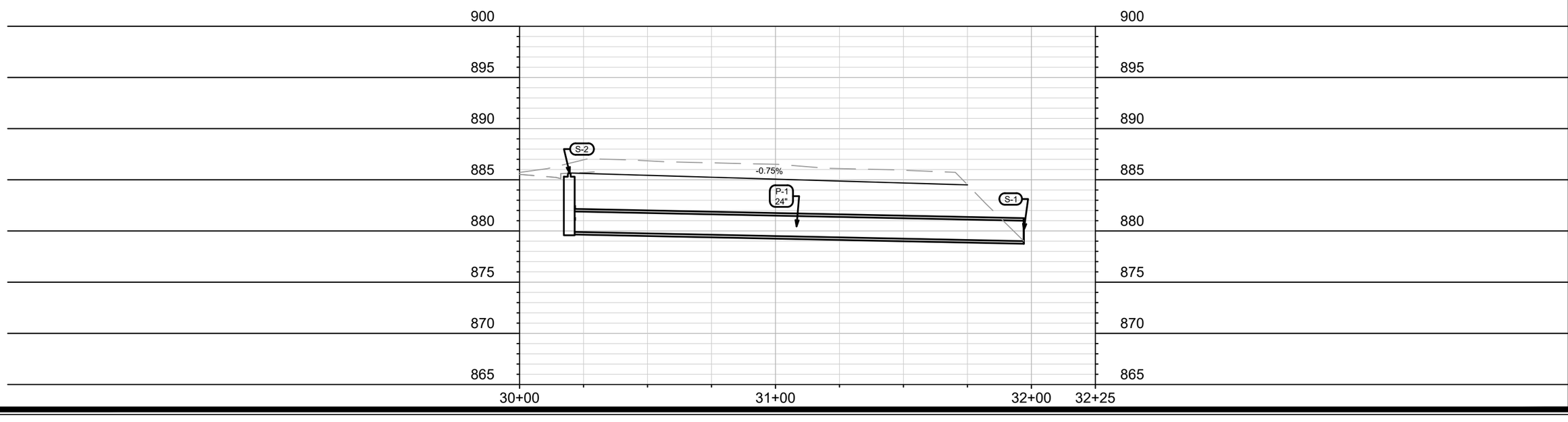
VILLAGE AT AUTUMN LAKE PHASE 14

M:\DESIGN\Projects\14927\CAD\Sewers\14927SWR-PipeNetwork.dwg

14927

U-3





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Designed By: NGV
Date: 4/10/2024 11:23 AM
Scale: 1" = 40'

U-4

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
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
O.L. 55							
S-1	31+97.04	CL	24" RCP APRON END	-	879.00	-	W/ GATE
WATERS EDGE TRAIL							
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
SPLITTLEBUG CIRCLE							
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
O.L. 55										
P-1	S-1	S-2	879.00	879.91	178	176	0.52%	24"	TYPE II	-
WATERS EDGE TRAIL										
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	-
SPLITTLEBUG CIRCLE										
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.

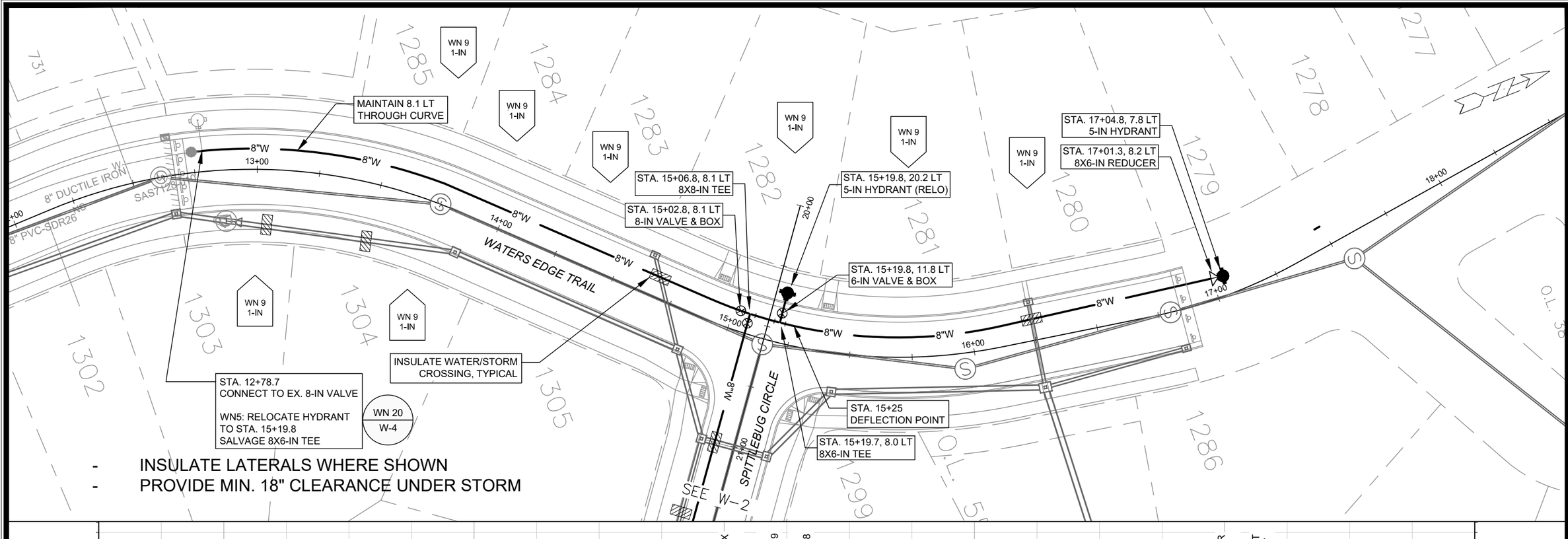
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

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

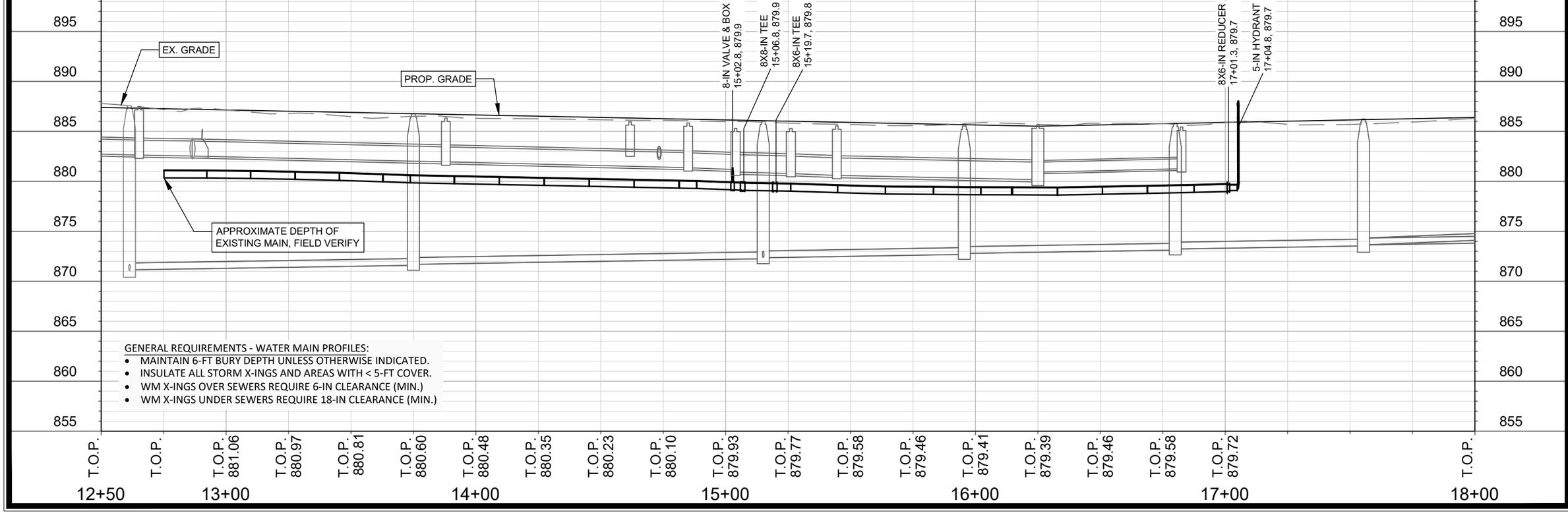
-ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.

- 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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Date: 4/8/2024 8:46 AM
Scale: ##########

14927

W-1

14927

MADISON, WI

CONTRACT NO: 9381/9382

WATERS EDGE TRAIL - WATER PLAN AND PROFILE

VILLAGE AT AUTUMN LAKE PHASE 14

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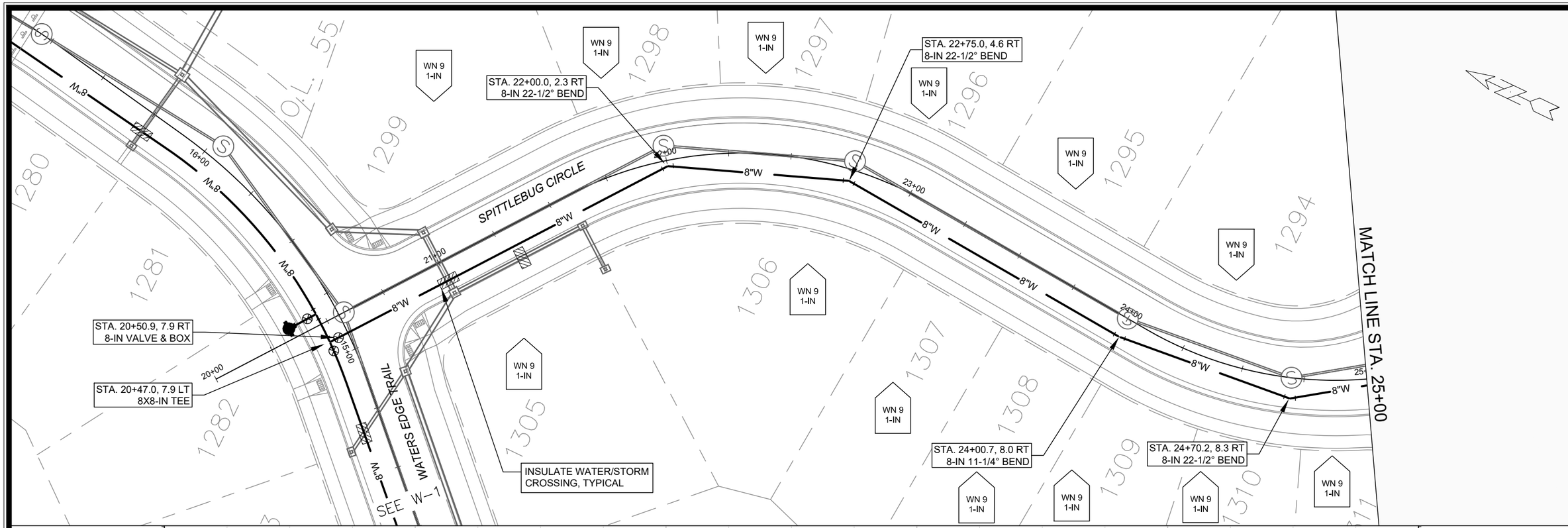
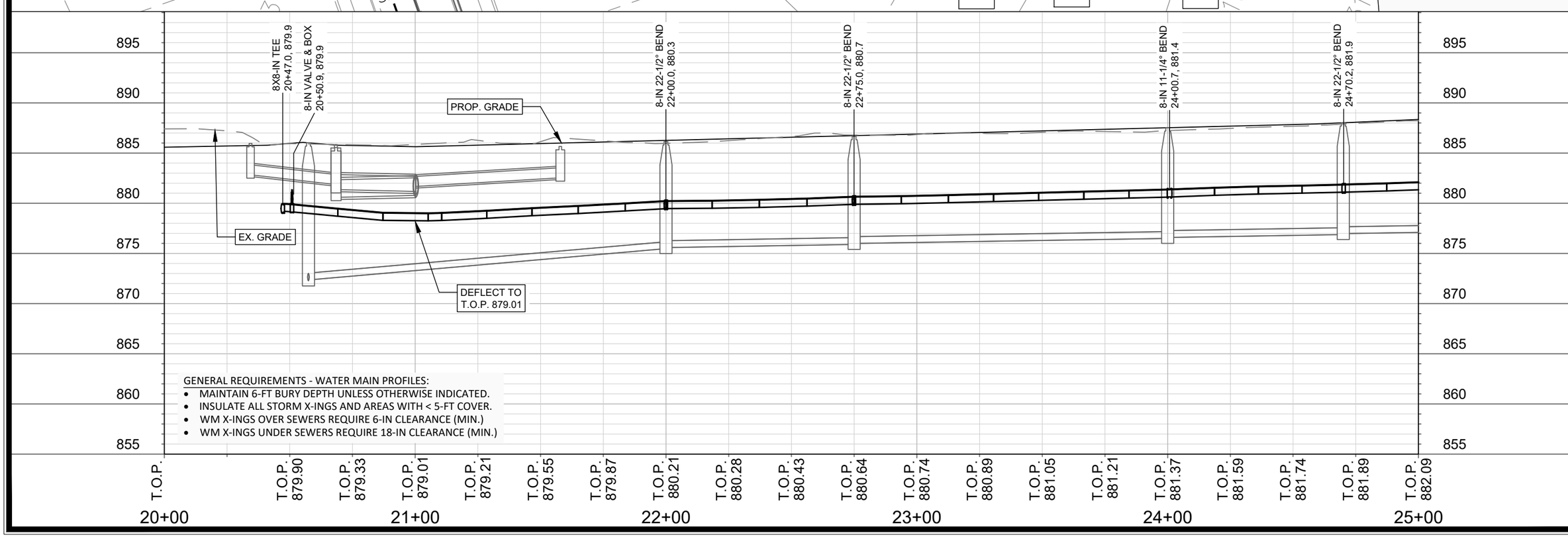
CITY OF MADISON WISCONSIN

14927

W-1





GENERAL REQUIREMENTS - WATER MAIN PROFILES:

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- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

MARK	REVISION	DATE	BY
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Designed By: NGV
Date: 4/8/2024 8:46 AM
Scale: #########

14927

W-2

14927

MADISON, WI

CONTRACT NO: 9381/9382

SPITTLEBUG CIRCLE - WATER PLAN AND PROFILE

VILLAGE AT AUTUMN LAKE PHASE 14

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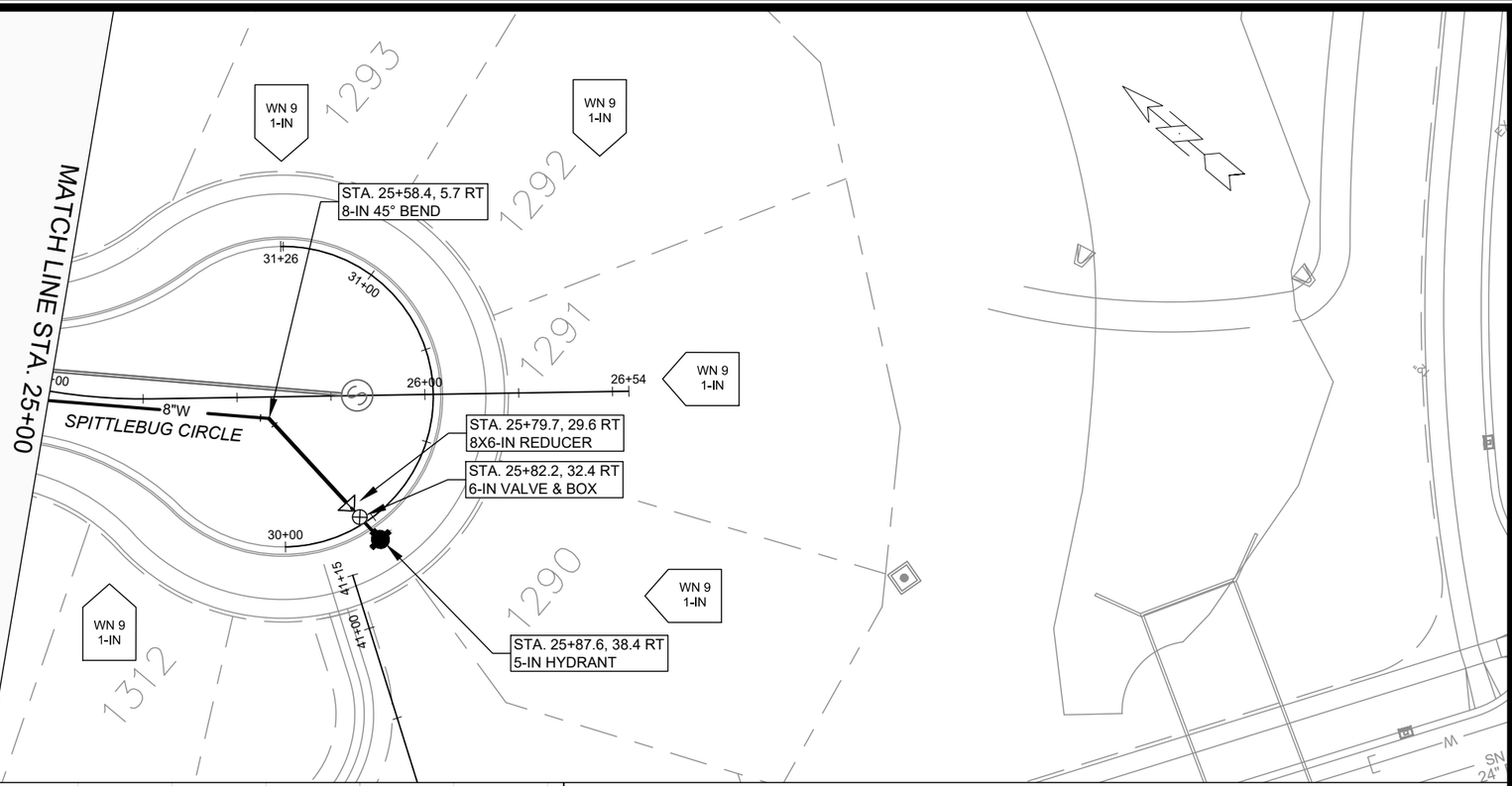
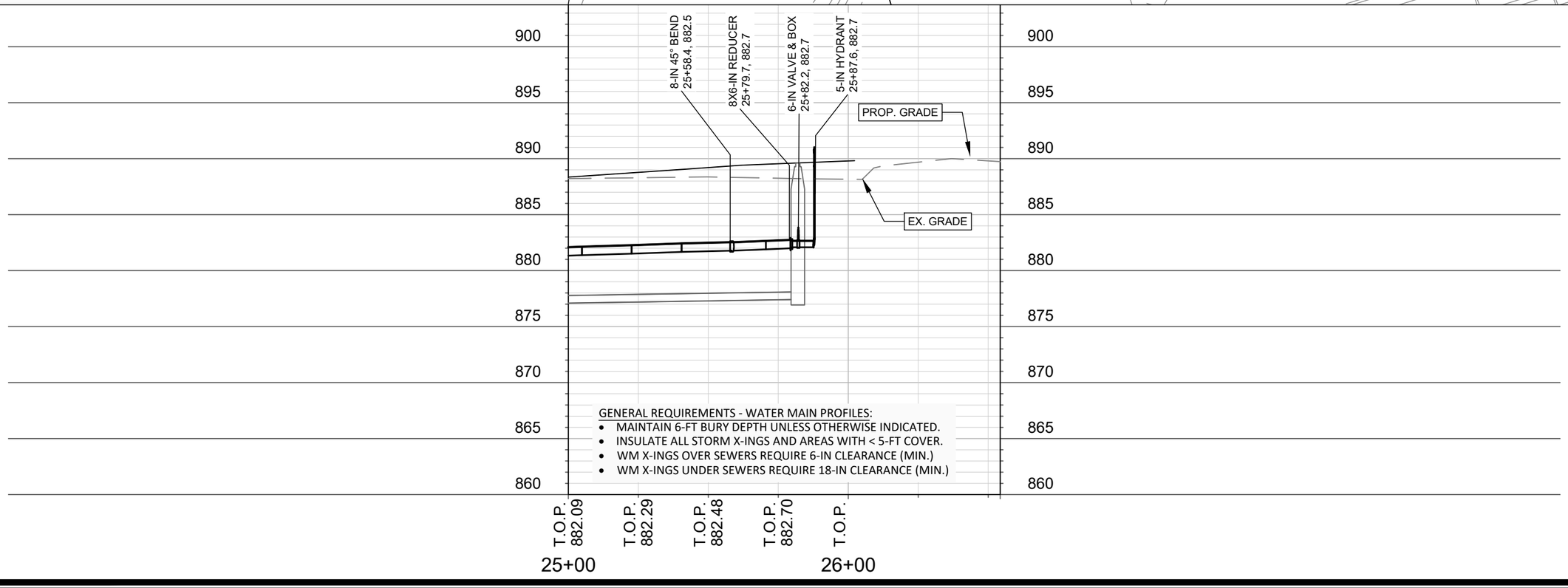
14927

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.)

MARK	REVISION	DATE	BY
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Designed By: NGV | Date: 4/8/2024 8:47 AM | Scale: ########

14927

W-3

14927

MADISON, WI

CONTRACT NO: 9381/9382

SPITTLEBUG CIRCLE - WATER PLAN AND PROFILE

VILLAGE AT AUTUMN LAKE PHASE 14

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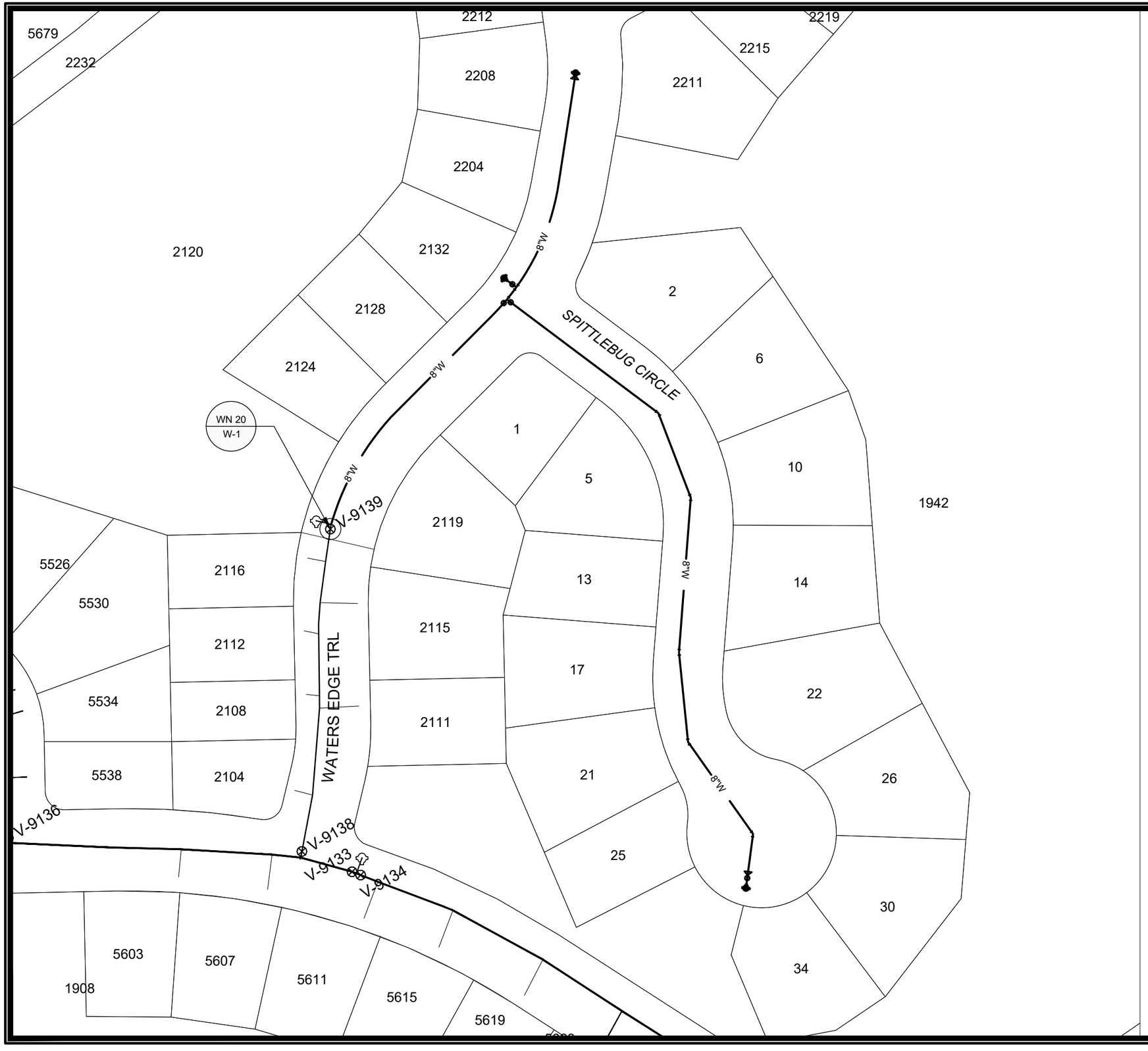
CITY OF MADISON WISCONSIN

14927

W-3



1" = 80'

Madison Water Utility

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

CONTRACT NO: 9381/9382

VILLAGE AT AUTUMN LAKE PHASE 14

WATER IMPACT PLAN

CITY OF MADISON, WISCONSIN

14927

W-4

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Madison Water Utility

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.

*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

*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.

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.

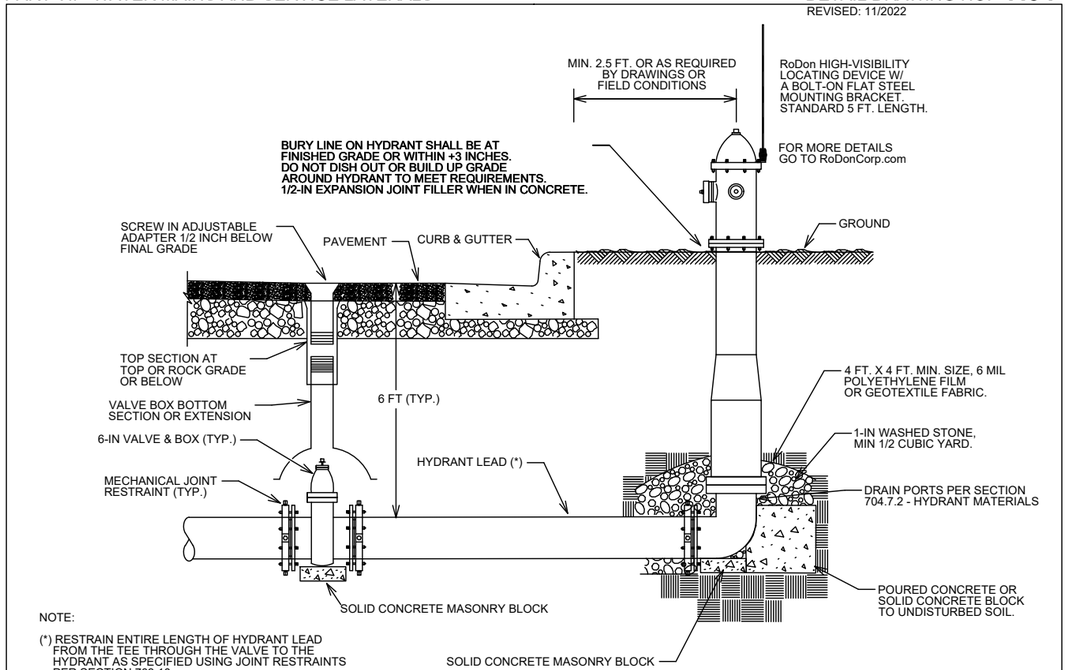
MEMBER ONE CALL SYSTEMS INTERNATIONAL

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



NOTE:

(*) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON WATER UTILITY	NOT TO SCALE	TYPICAL HYDRANT INSTALLATION

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

CONTRACT NO: 9381/9382

VILLAGE AT AUTUMN LAKE PHASE 14

WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN

CITY OF MADISON WISCONSIN

14927

W-5

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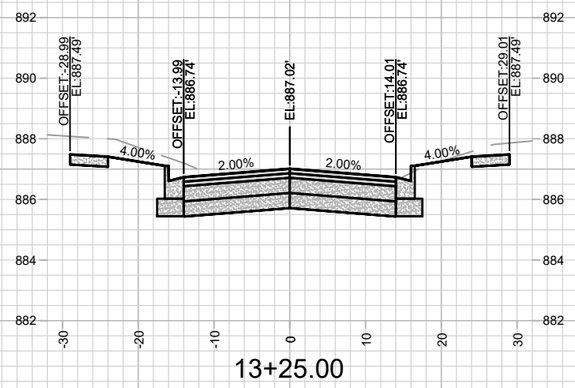

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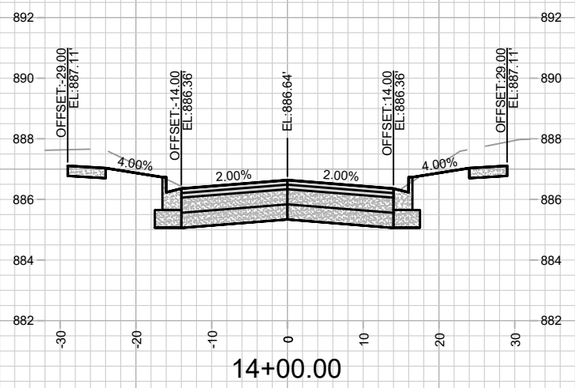

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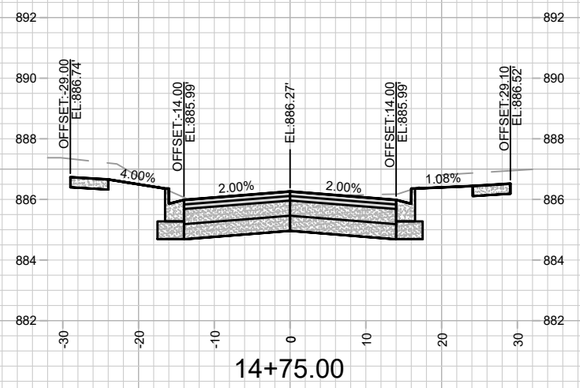

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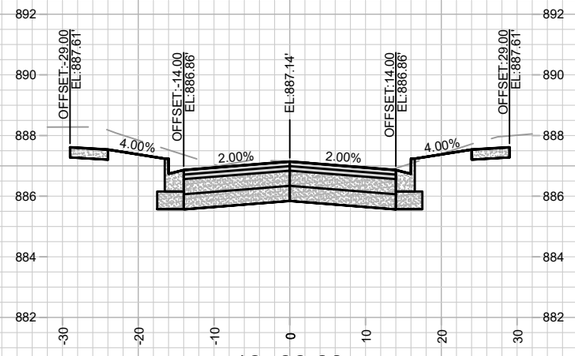

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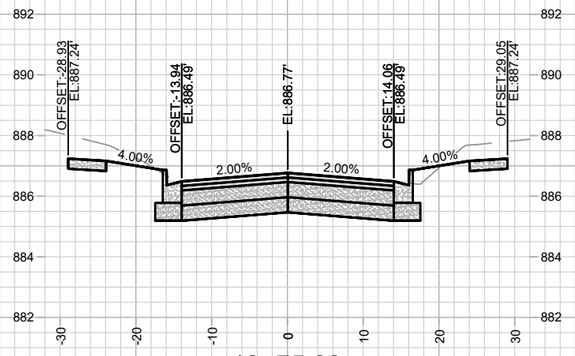

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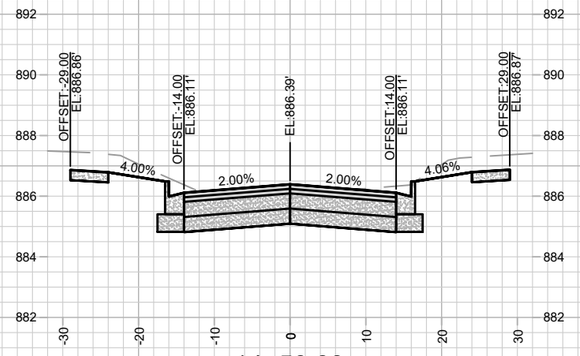

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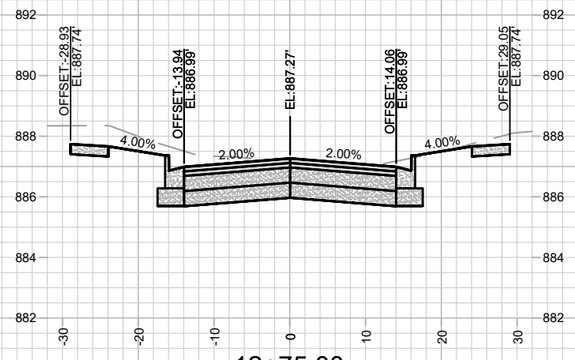

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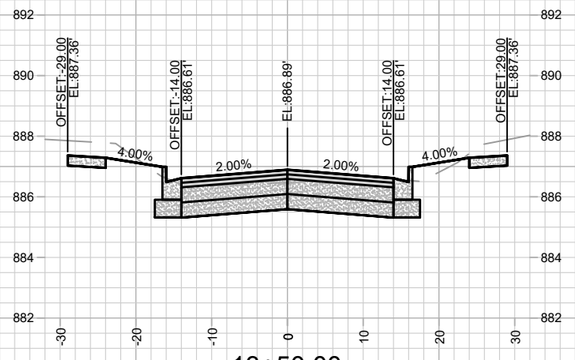

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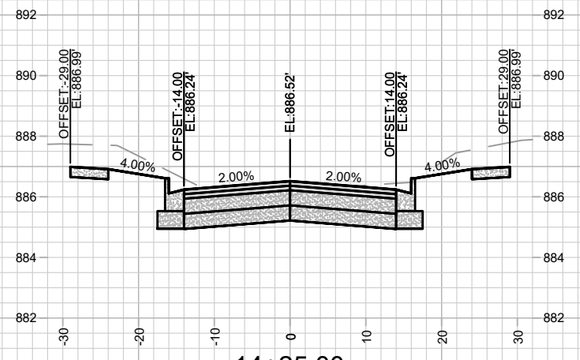

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Designed By: NGV
Date: 3/22/2024 9:22 AM
Scale: 1" = 20'

14927

CROSS SECTION - WATERS EDGE TRAIL

VILLAGE AT AUTUMN LAKE PHASE 14

MADISON, WI

CONTRACT NO: 9381/9382

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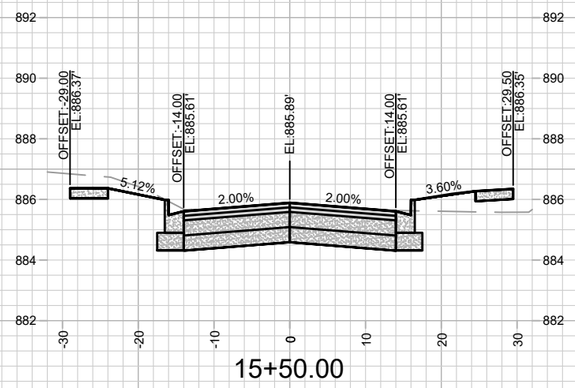
14927

X-1



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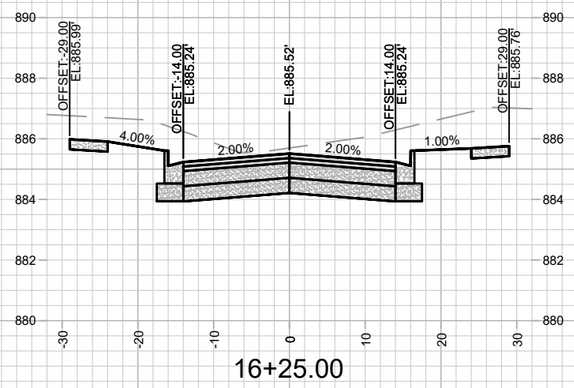

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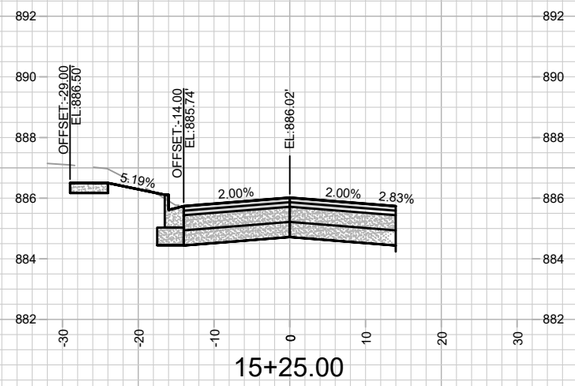

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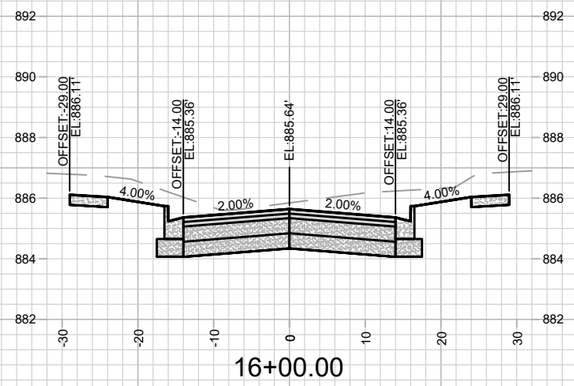

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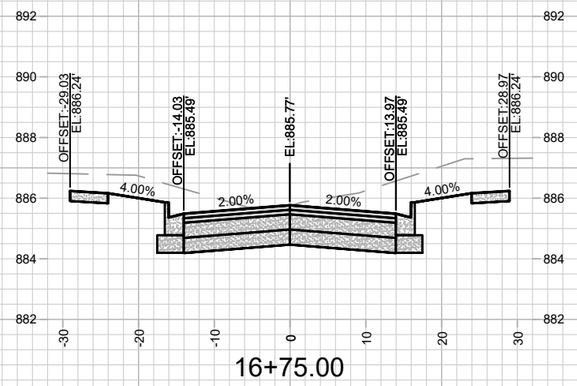

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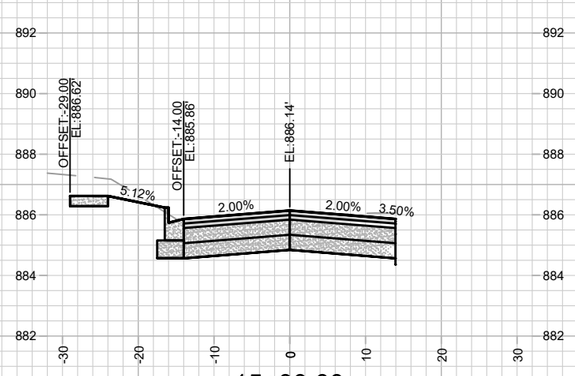

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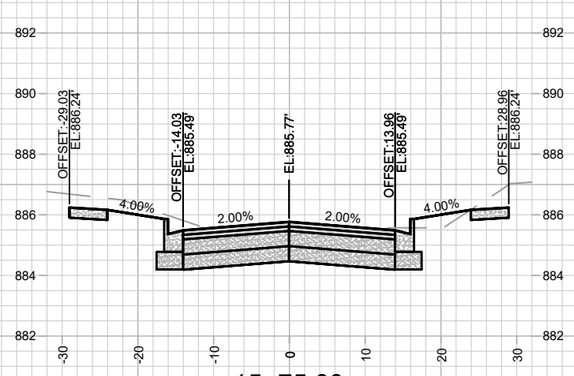

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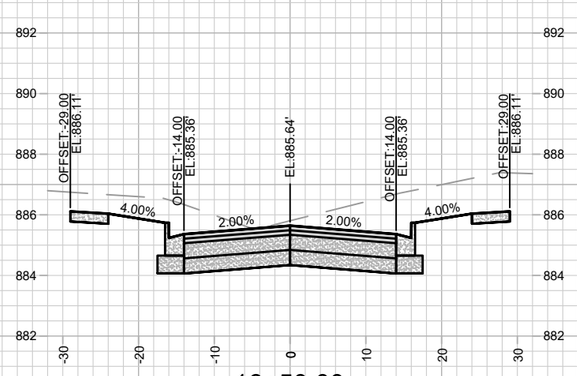

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Designed By: NGV
Date: 3/22/2024 9:22 AM
Scale: 1" = 20'

X-2

14927

MADISON, WI

CONTRACT NO: 9381/9382

CROSS SECTION - WATERS EDGE TRAIL

VILLAGE AT AUTUMN LAKE PHASE 14

M:\DESIGN\Projects\14927\CAD\Streets\14927EN-Xsections.dwg

14927

X-2

21+75.00

22+50.00

23+25.00

21+50.00

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Designed By: NGV | Date: 3/22/2024 9:22 AM | Scale: 1" = 20' | X-3

14927

MADISON, WI

CONTRACT NO: 9381/9382

CROSS SECTION - SPITTLEBUG CIRCLE

VILLAGE AT AUTUMN LAKE PHASE 14

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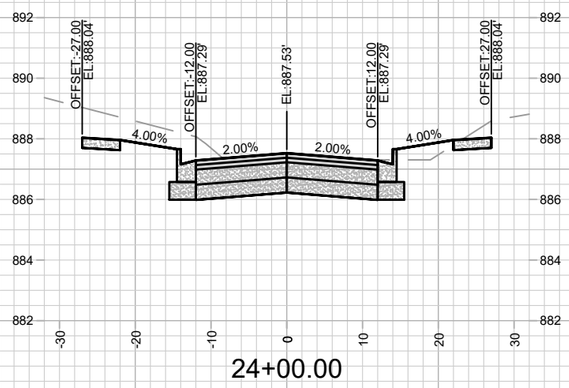
CITY OF MADISON WISCONSIN

14927

X-3



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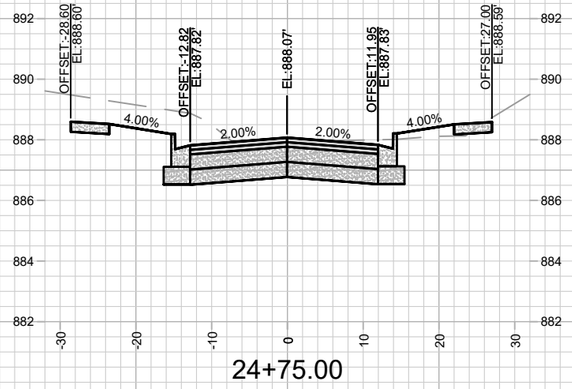

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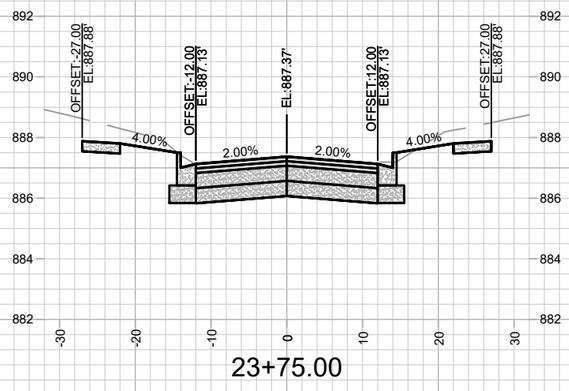

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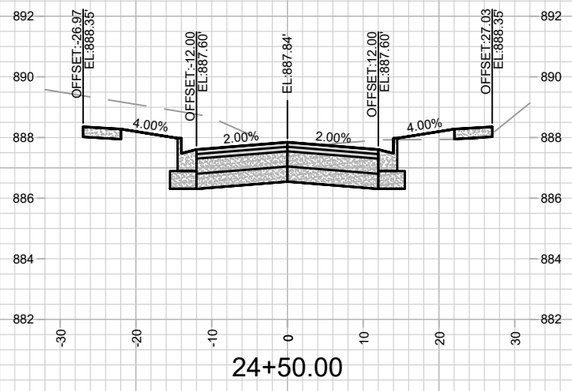

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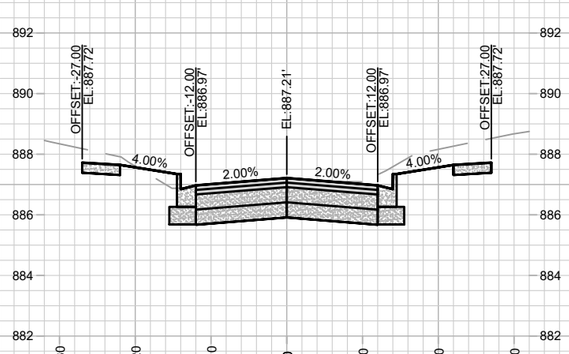

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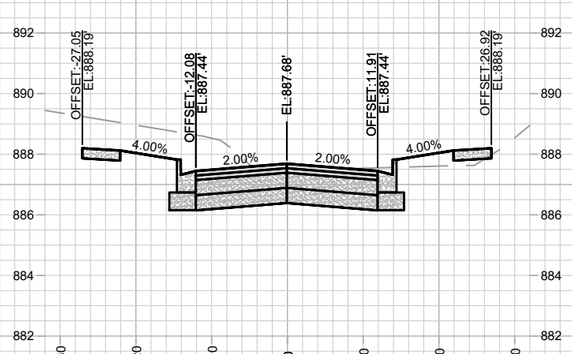

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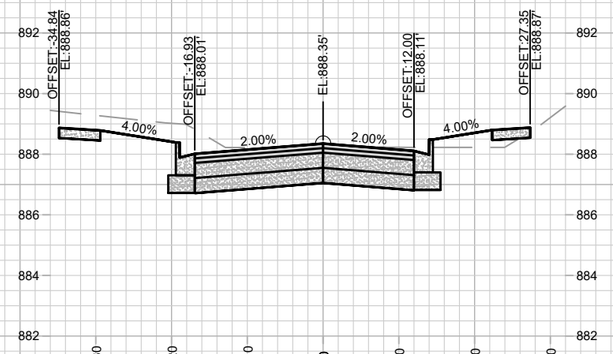

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Designed By: NGV | Date: 3/22/2024 9:22 AM | Scale: 1" = 20'

14927

14927

CROSS SECTION - SPITTLEBUG CIRCLE

VILLAGE AT AUTUMN LAKE PHASE 14

MADISON, WI

CONTRACT NO: 9381/9382

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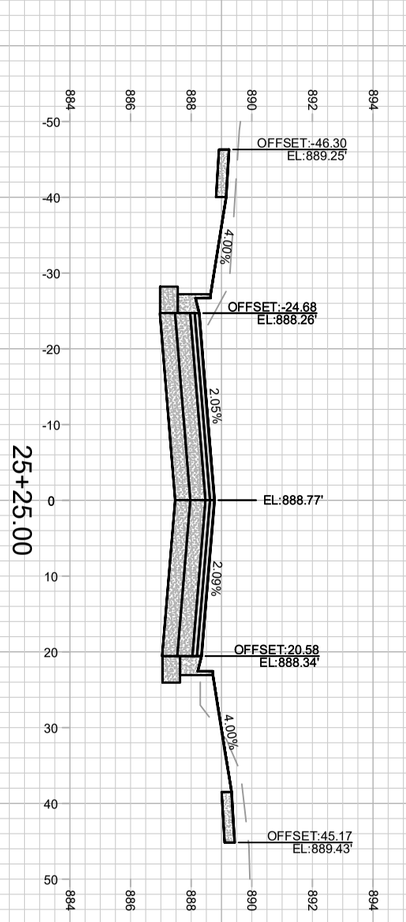
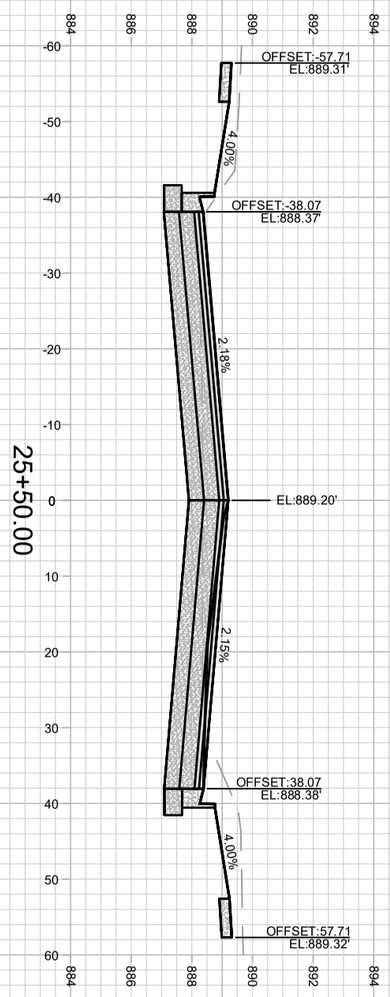
14927

X-4

X-4





X-5

14927

CROSS SECTION - SPITTLEBUG CIRCLE 14927

VILLAGE AT AUTUMN LAKE PHASE 14 MADISON, WI

M:\DESIGN\Projects\14927\CAD\Streets\14927EN-Xsections.dwg CONTRACT NO: 9381/9382

MARK	REVISION	DATE	BY
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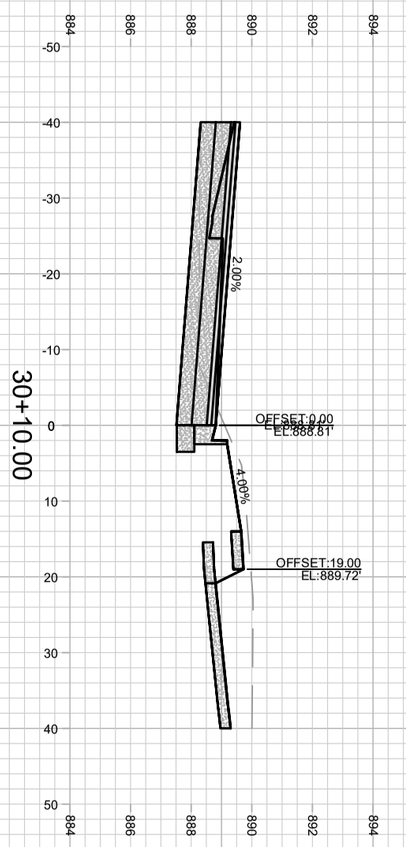
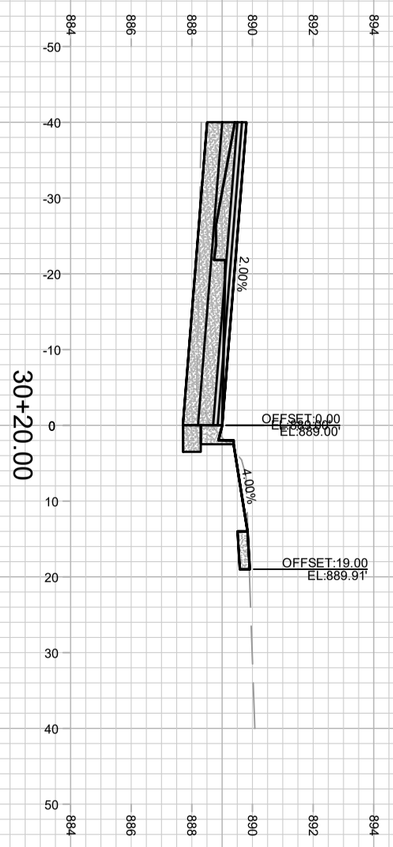
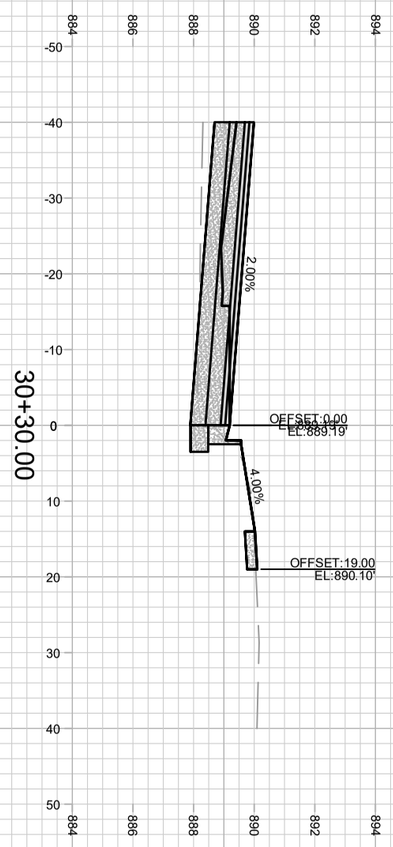
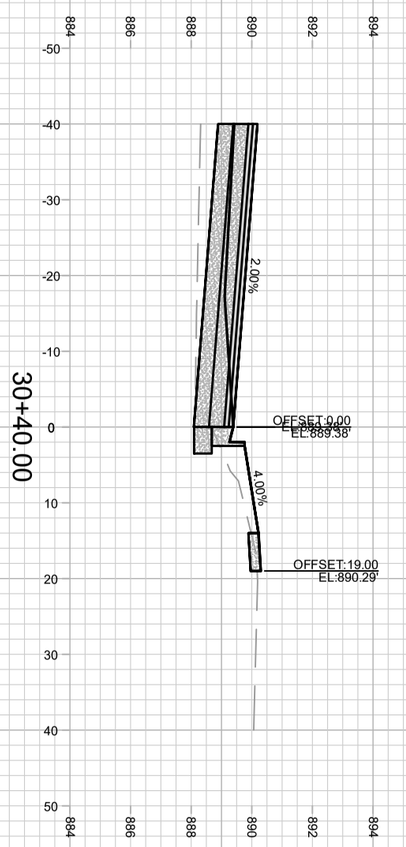
Designed By: NGV | Date: 3/2/2024 9:22 AM | Scale: 1" = 20'

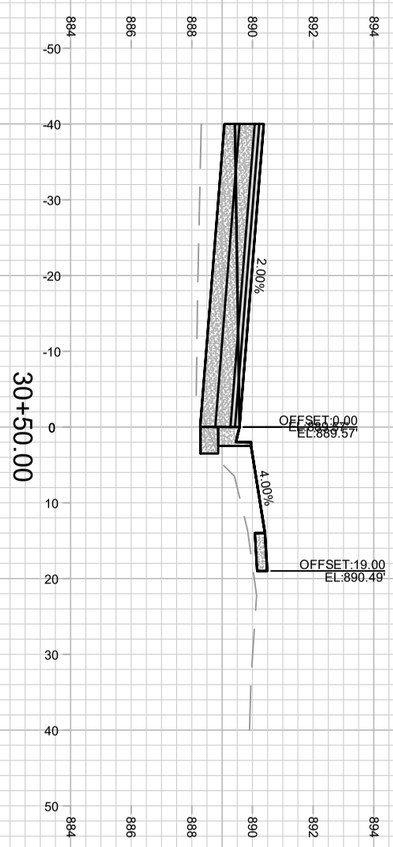
14927 X-5

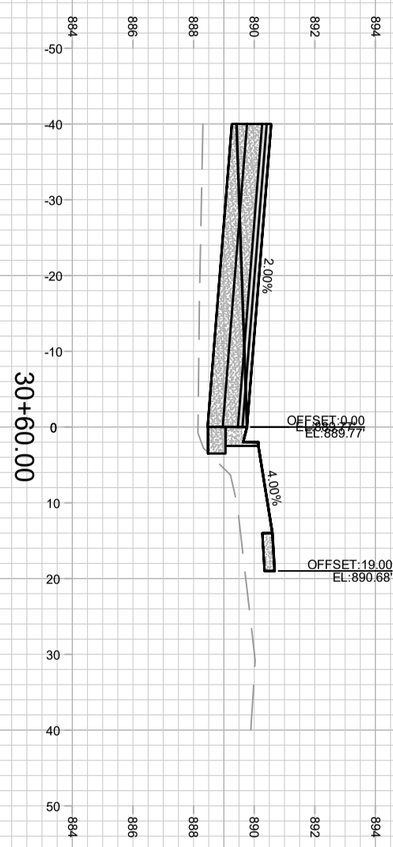












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14927

CROSS SECTION - SPITTLEBUG CIRCLE CUL-DE-SAC 14927

VILLAGE AT AUTUMN LAKE PHASE 14 MADISON, WI

M:\DESIGN\Projects\14927\CAD\Streets\14927EN-Xsections.dwg CONTRACT NO: 9381/9382

MARK	REVISION	DATE	BY
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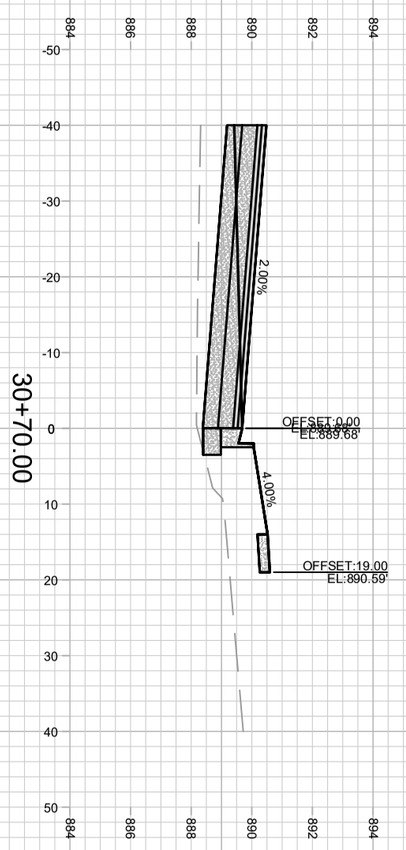
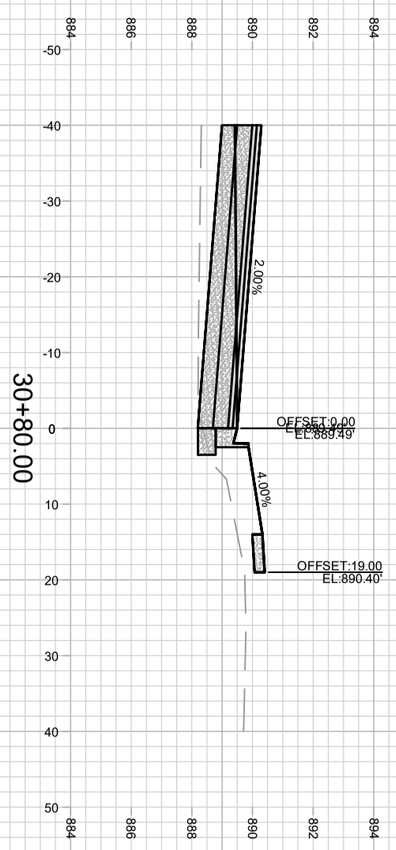
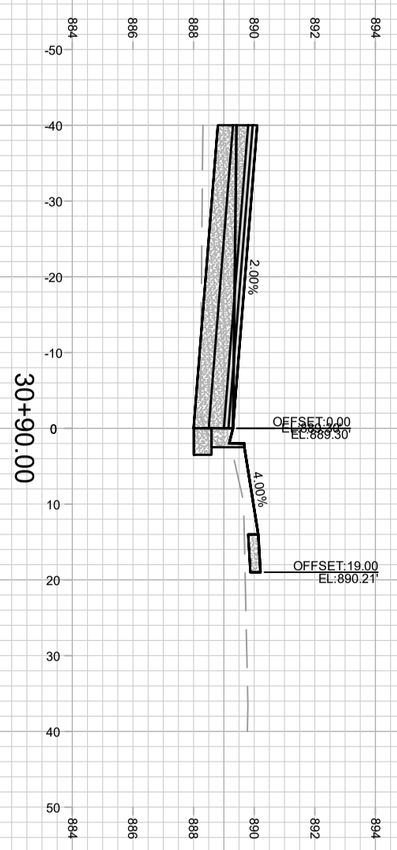
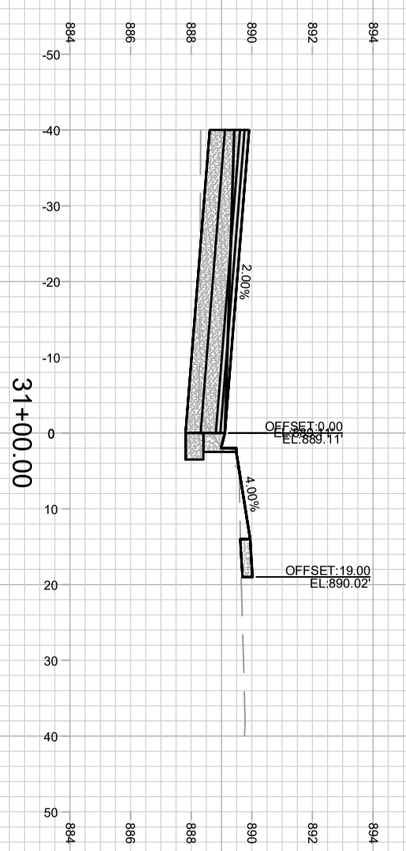
Designed By: NGV | Date: 3/2/2024 9:22 AM | Scale: 1" = 20'

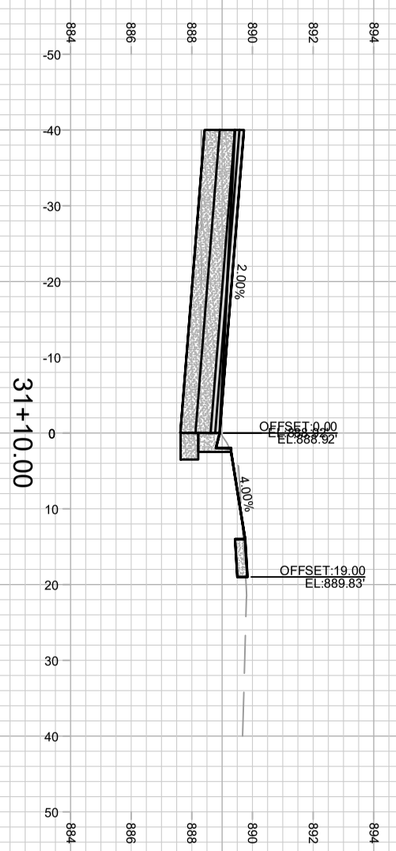
14927 X-6

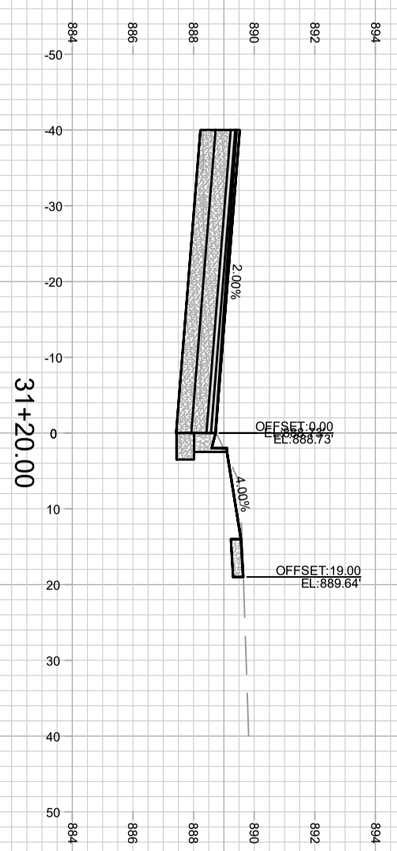












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14927

CROSS SECTION - SPITTLEBUG CIRCLE CUL-DE-SAC 14927

VILLAGE AT AUTUMN LAKE PHASE 14 MADISON, WI

M:\DESIGN\Projects\14927\CAD\Streets\14927EN-Xsections.dwg CONTRACT NO: 9381/9382

MARK	REVISION	DATE	BY
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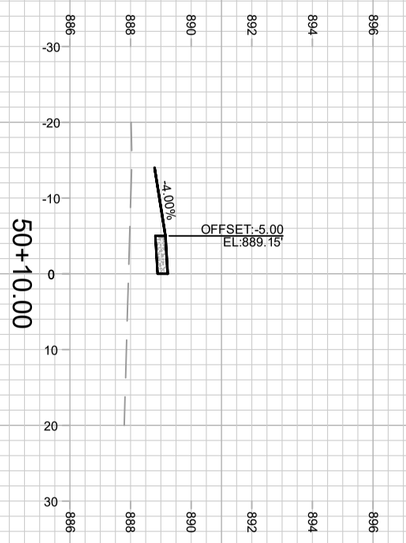
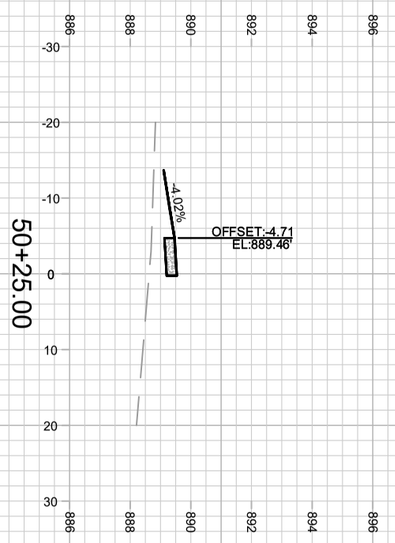
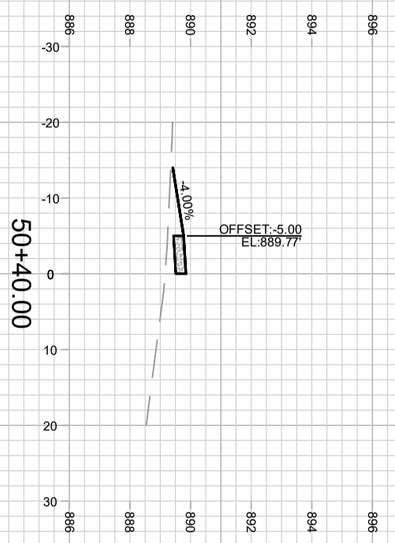
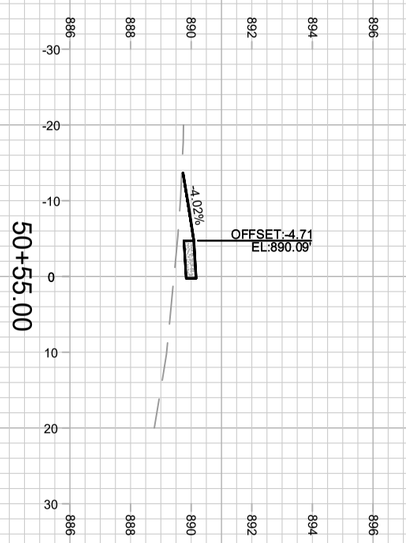
Designed By: NGV | Date: 3/2/2024 9:22 AM | Scale: 1" = 20'

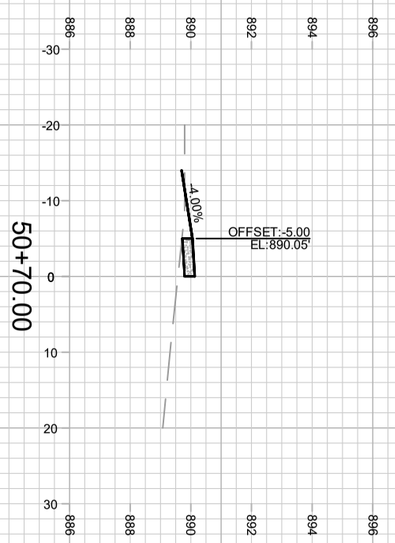
14927 X-7

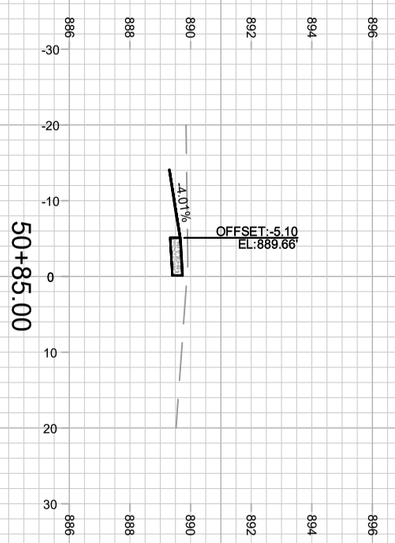


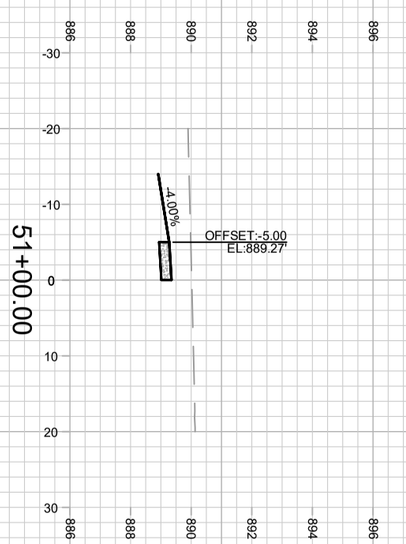


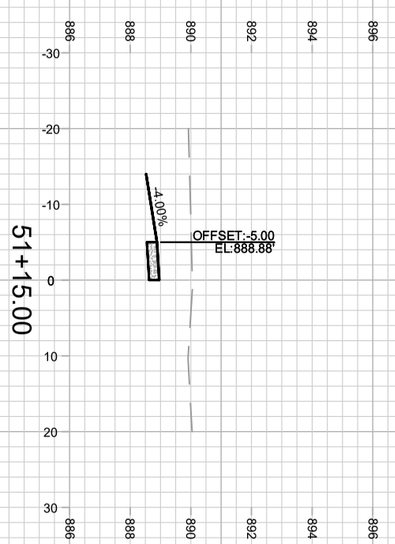












X-8

14927

CROSS SECTION - OL SIDEWALK

14927

VILLAGE AT AUTUMN LAKE PHASE 14

MADISON, WI

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CONTRACT NO: 9381/9382

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Designed By: NGV | Date: 3/2/2024 9:22 AM | Scale: 1" = 20'

14927 | X-8

1280
1286
EDGE OF WATER
1281
779
1282
O.L. 50
1283
1299
780
781
1284
1298
1285
WATERS EDGE TRAIL
1305
1297
1304
1306
1296
1303
1307
731
725
1295
O.L. 54
1302
1308
730
1301
1309
1294
726
729
1193
1300
1310
1194
727
728
1293
1311
1312
1292
1291
1290
710
711
712
713
714
715
SPITTLEBUG CIRCLE
GOLDEN DUSK PKWY
AUTUMN LAKE PARKWAY
OL SIDEWALK

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 FACILTY

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
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Designed By: NGV
Date: 4/5/2024 1:02 PM
Scale: 1:80
14927
PBM-1

14927

MADISON, WI

CONTRACT NO: 9381/9382

PROPERTY BOUNDARY MARKERS

VILLAGE AT AUTUMN LAKE PHASE 14

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14927

PBM-1

1278
1279
1280
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1307
1302
1308
1301
1309
1300
1310
1311
1312

O.L. 50

WATERS EDGE TRAIL

SPITTLEBUG CIRCLE

GOLDEN DUSK PKWY

EDGE OF WATER

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. 54

777
778
779
780
781

1192
1193
1194

722
723
724
725
731
730
726
729
727
728

MADDY PASS

O.L. 49

710
711
712
713
714
715
716

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

OL SIDEWALK

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

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14927

MADISON, WI

CONTRACT NO: 9381/9382

MAINTENANCE PLAN

VILLAGE AT AUTUMN LAKE PHASE 14

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MN-1