

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

VILLAGE AT AUTUMN LAKE - PHASE 12

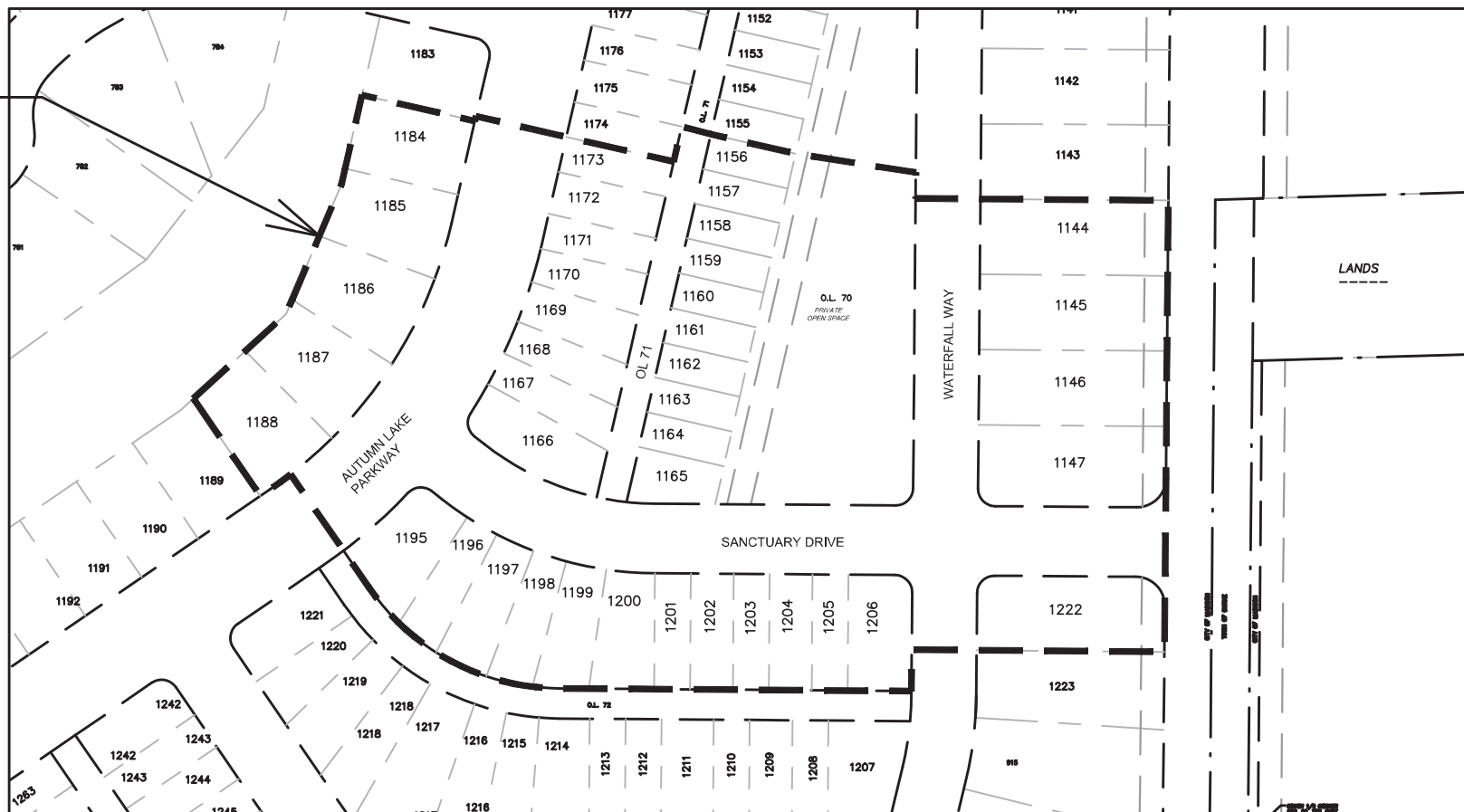
CITY PROJECT NO. 13856
CONTRACT NO. 9098

REV 08/15/2022 BY AJC

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PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 22, 2022

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Greg Fries

Jul 1, 2022

City Engineer

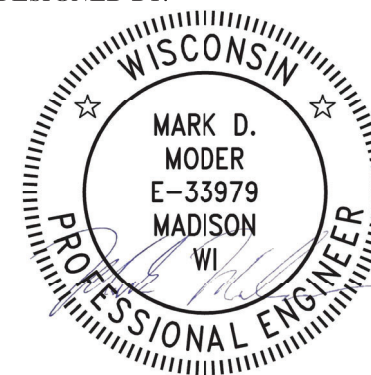
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STREET GRADES DESIGNED BY:



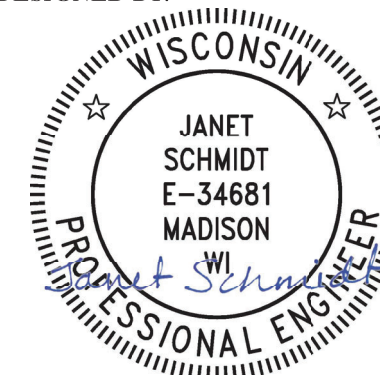
Jul 1, 2022

SANITARY SEWER DESIGNED BY:



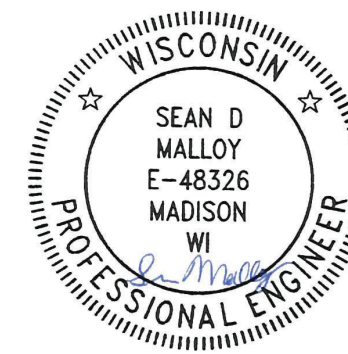
Jul 1, 2022

STORM SEWER DESIGNED BY:



Jul 1, 2022

STREET GEOMETRY DESIGNED BY:



Jul 1, 2022

WATER DESIGNED BY:



Jul 1, 2022

PLOT SCALE: 1:1_XREF




REV. DATE: 6/21/2022 9:30 AM

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, REFERING 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

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 SANCTUARY DRIVE AND WATERFALL WAY RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE AUTUMN LAKE PARKWAY AND FELLAND ROAD RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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

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

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

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

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT. THE CITY PROJECT ENGINEER IS FADI EL MUSA, EMAIL: FELMUSAGONZALEZ@CITYOFMADISON.COM

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

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

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.

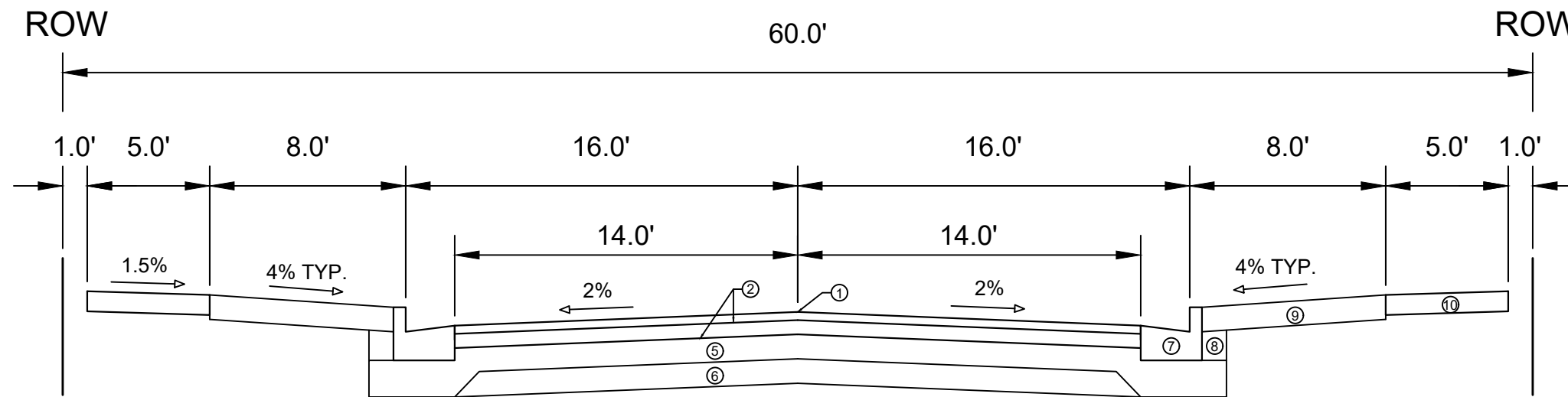
THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

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

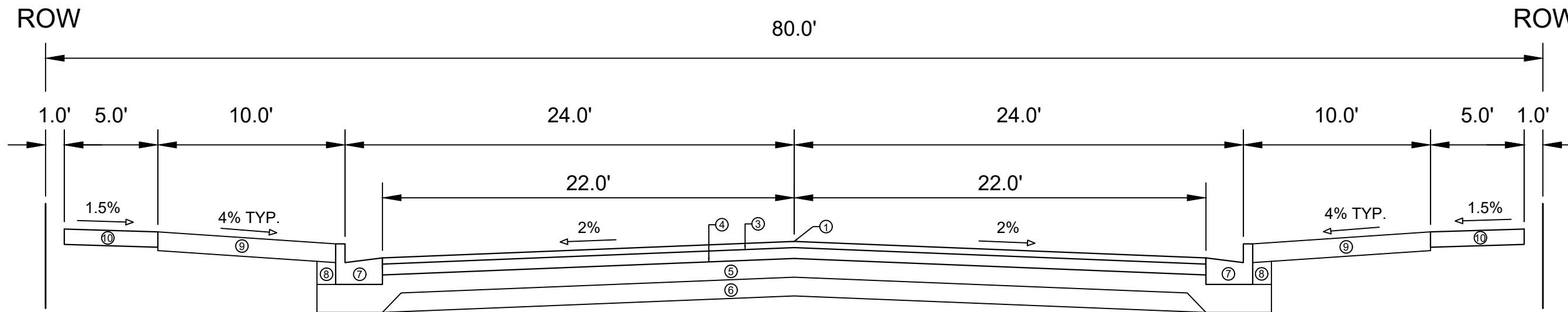
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO S.D.D 3.05.

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.

STANDARD NOTES	13856	MADISON, WI	9098	CONTRACT NO:
	VILLAGE AT AUTUMN LAKE - PHASE 12			
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13856				
D-1				



TYPICAL SECTION
SANCTUARY DRIVE



TYPICAL SECTION
AUTUMN LAKE PARKWAY

SPECIAL NOTES:

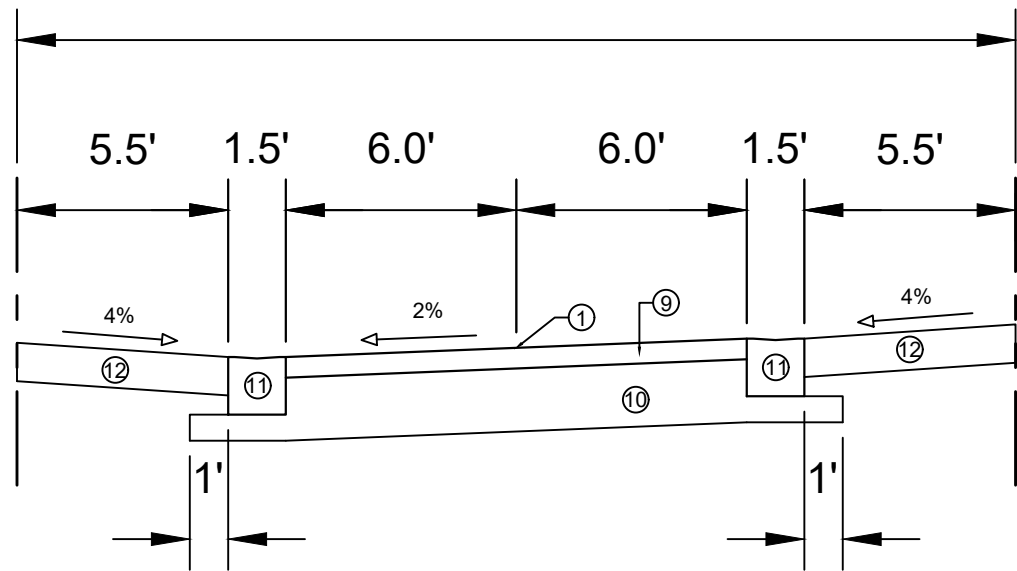
* SEE X-SHEETS FOR CROSS SLOPES

SURFACE PAVING SHALL BE COMPLETED BY THE DEVELOPER UNDER CONTRACT 9099.

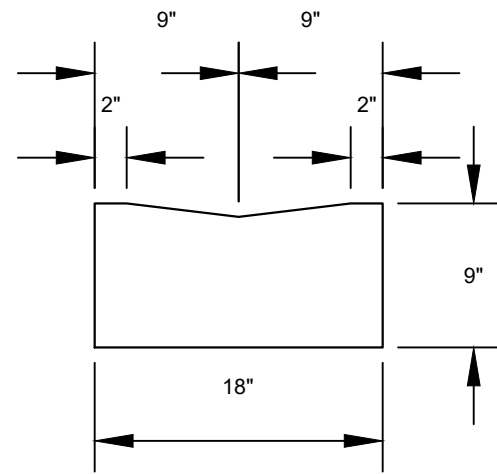
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- ② 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S
- ③ 2.00" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S
- ④ 2.50" H.M.A. PAVEMENT- TYPE 3 LT 58-28 S
- ⑤ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- ⑥ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- ⑦ CONCRETE CURB AND GUTTER TYPE 'A'.
- ⑧ FILL
- ⑨ 6" TOPSOIL, SEED AND MATTING
- ⑩ 5" CONCRETE SIDEWALK

13856	MADISON, WI	9098	D-2
VILLAGE AT AUTUMN LAKE - PHASE 12		CONTRACT NO:	
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13856		D-2	

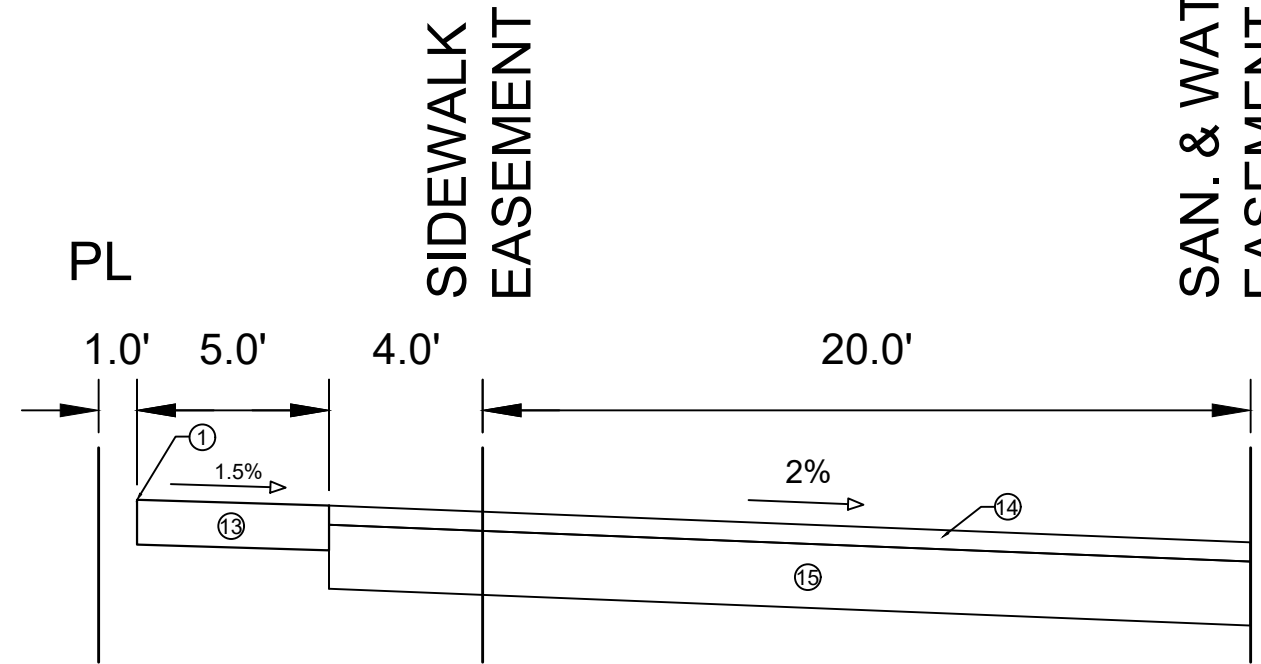
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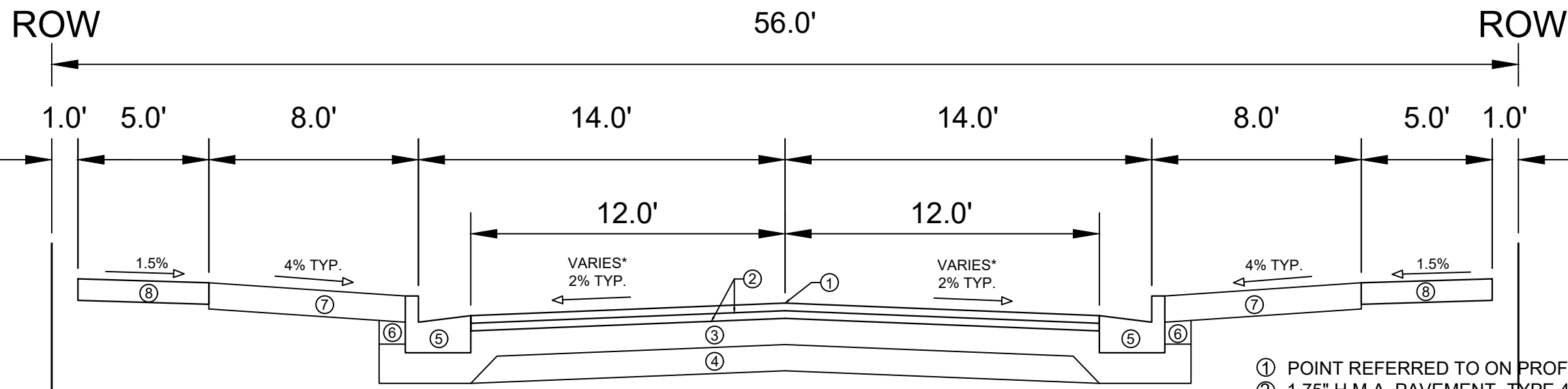
TYPICAL SECTION
OL 71 ALLEY



CONCRETE ALLEY GUTTER DETAIL



TYPICAL SECTION
OL 70 SIDEWALK



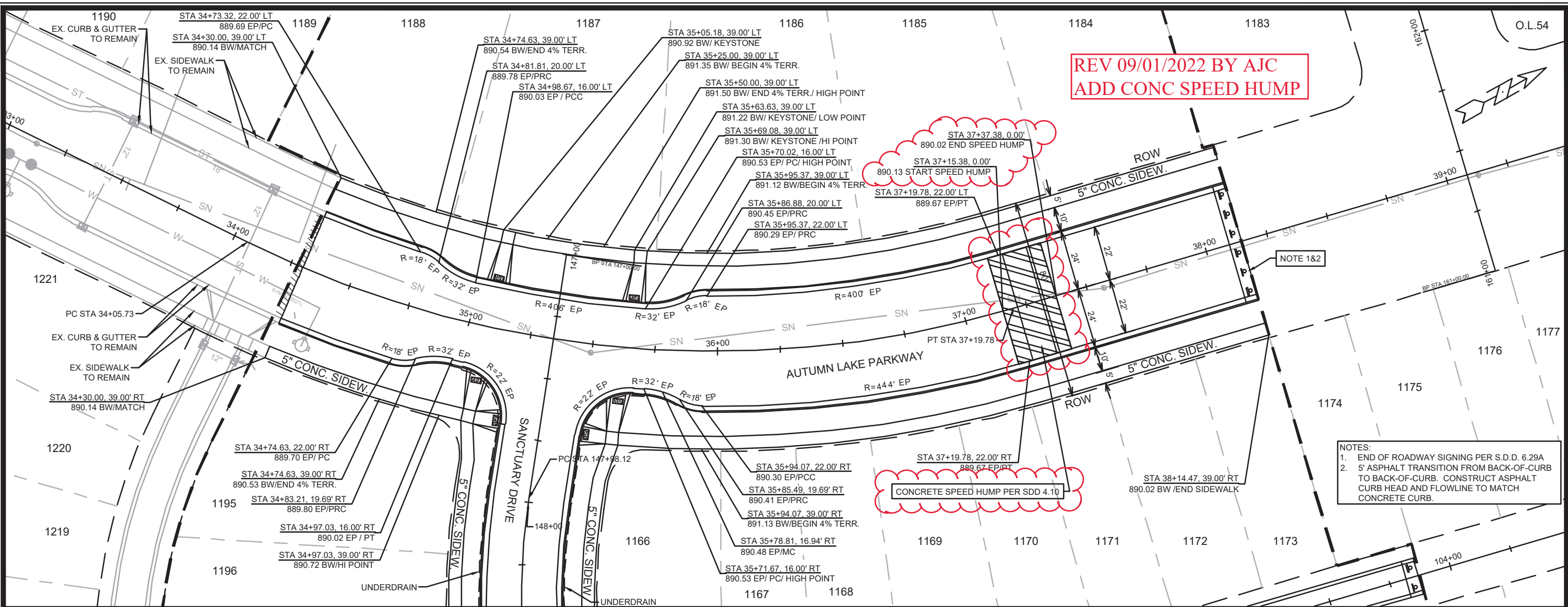
TYPICAL SECTION
WATERFALL WAY

SPECIAL NOTES:

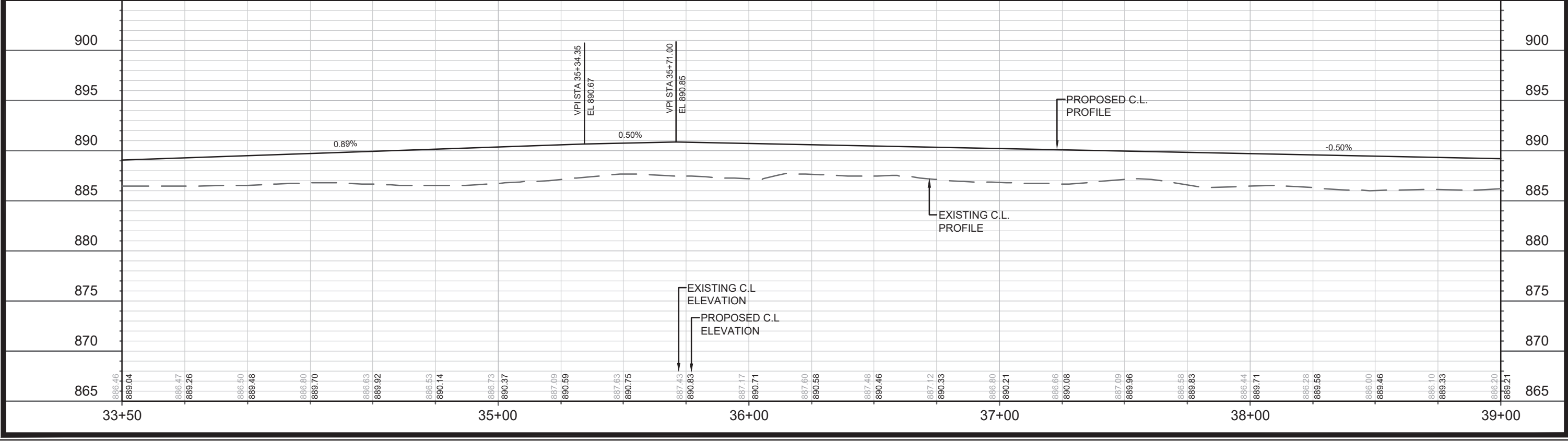
* SEE X-SHEETS FOR CROSS SLOPES
SURFACE PAVING SHALL BE COMPLETED BY THE DEVELOPER UNDER CONTRACT 9099.

- 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
- ⑨ 3.25" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S
- ⑩ 10" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- ⑪ CONCRETE ALLEY GUTTER. SEE DETAIL
- ⑫ 6" TOPSOIL, SEED, FERTILIZER, AND MATTING
- ⑬ 7" CONCRETE SIDEWALK
- ⑭ 3" TOPSOIL, SEED, AND MATTING
- ⑮ 10" CRUSHED AGGREGATE BASE COURSE GRADATION 2

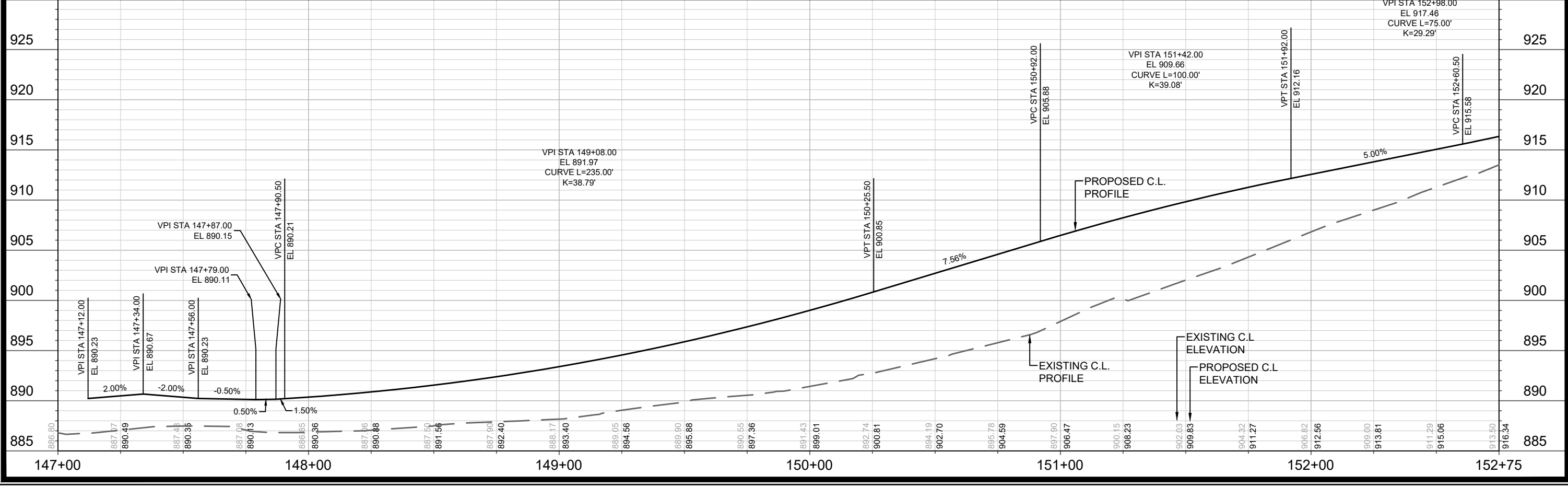
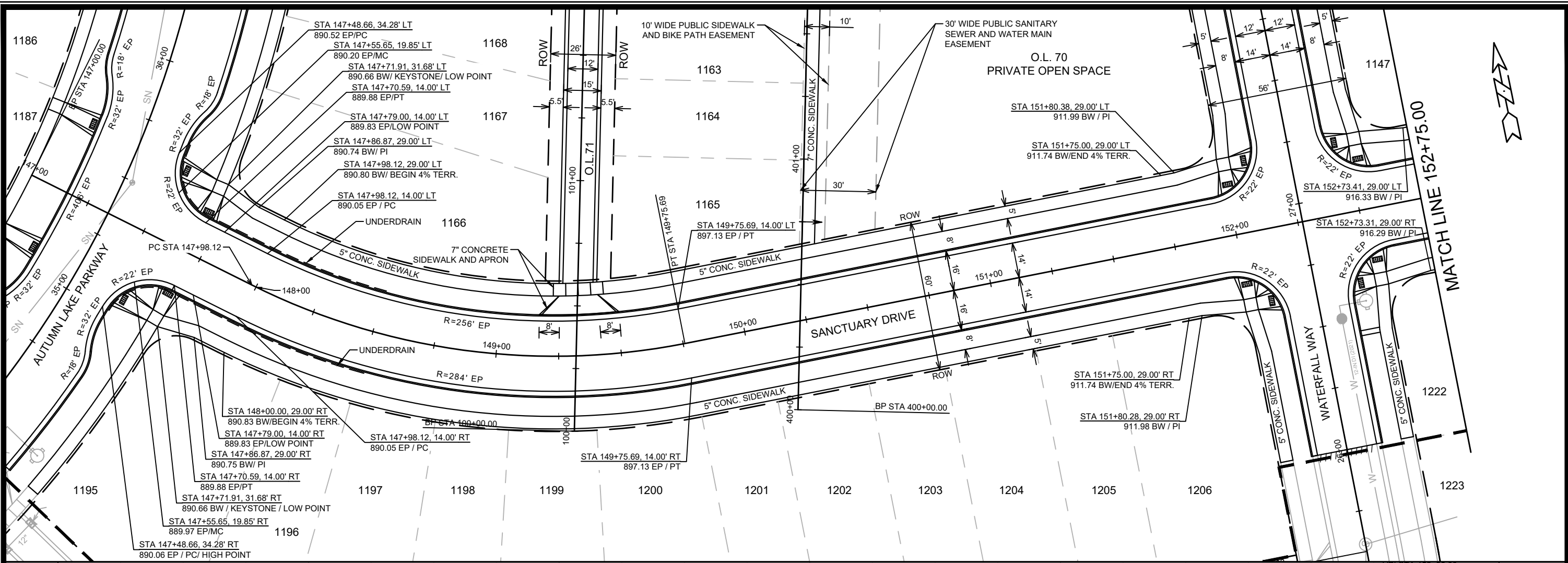
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VILLAGE AT AUTUMN LAKE - PHASE 12				
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13856				
D-3				



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



DATE	BY
REVISION	
MARK	
DESIGNED BY	LMC
DATE	9/17/2022 3:18 PM
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PROJECT NO.	13856
CONTRACT NO.	9098
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PROJECT NAME	VILLAGE AT AUTUMN LAKE - PHASE 12
PROJECT NAME	PLAN AND PROFILE - AUTUMN LAKE PARKWAY
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PROJECT NO.	13856
PROJECT NO.	P-1



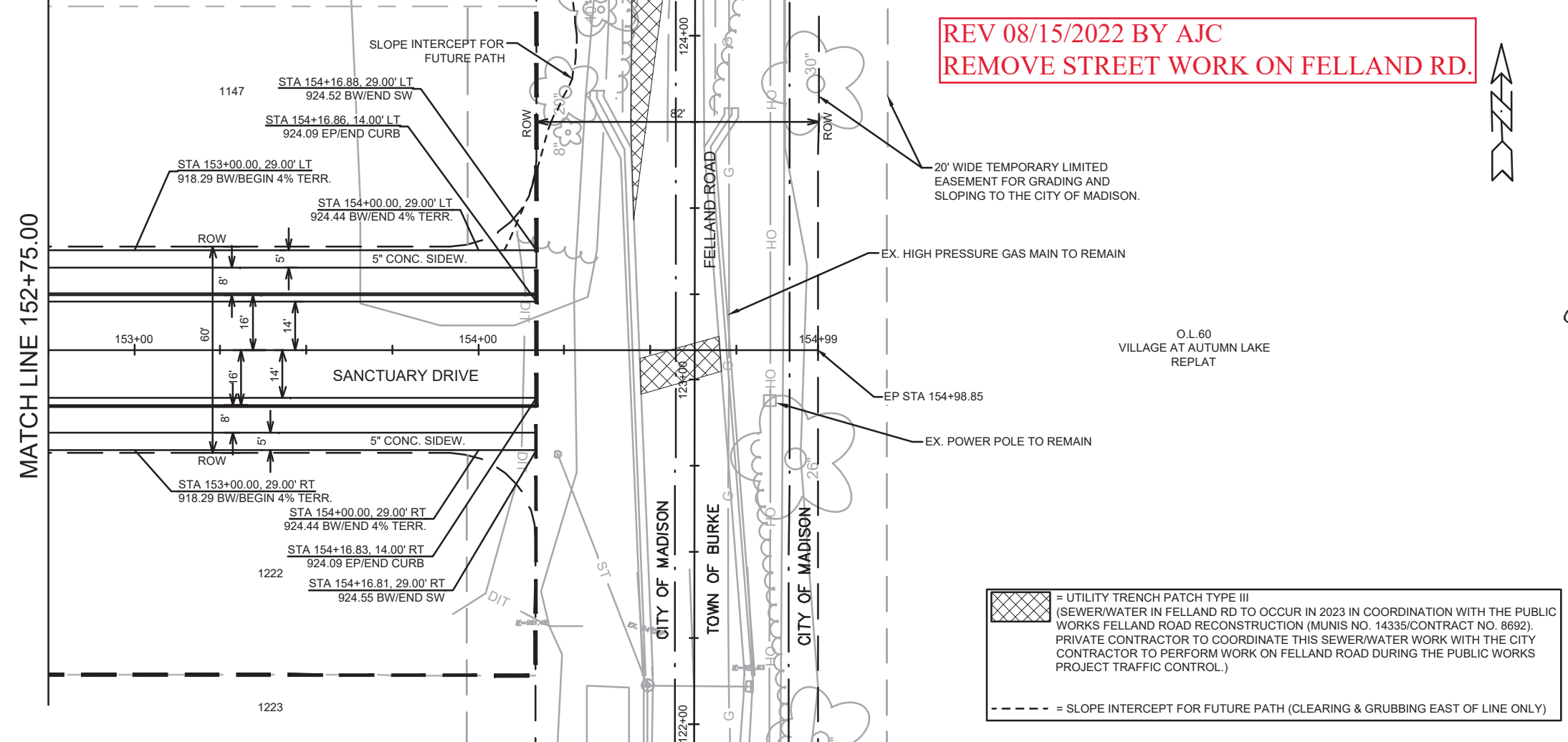
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13856
 MADISON, WI
 CONTRACT NO: 9098

PLAN AND PROFILE - SANCTUARY DRIVE
 VILLAGE AT AUTUMN LAKE - PHASE 12
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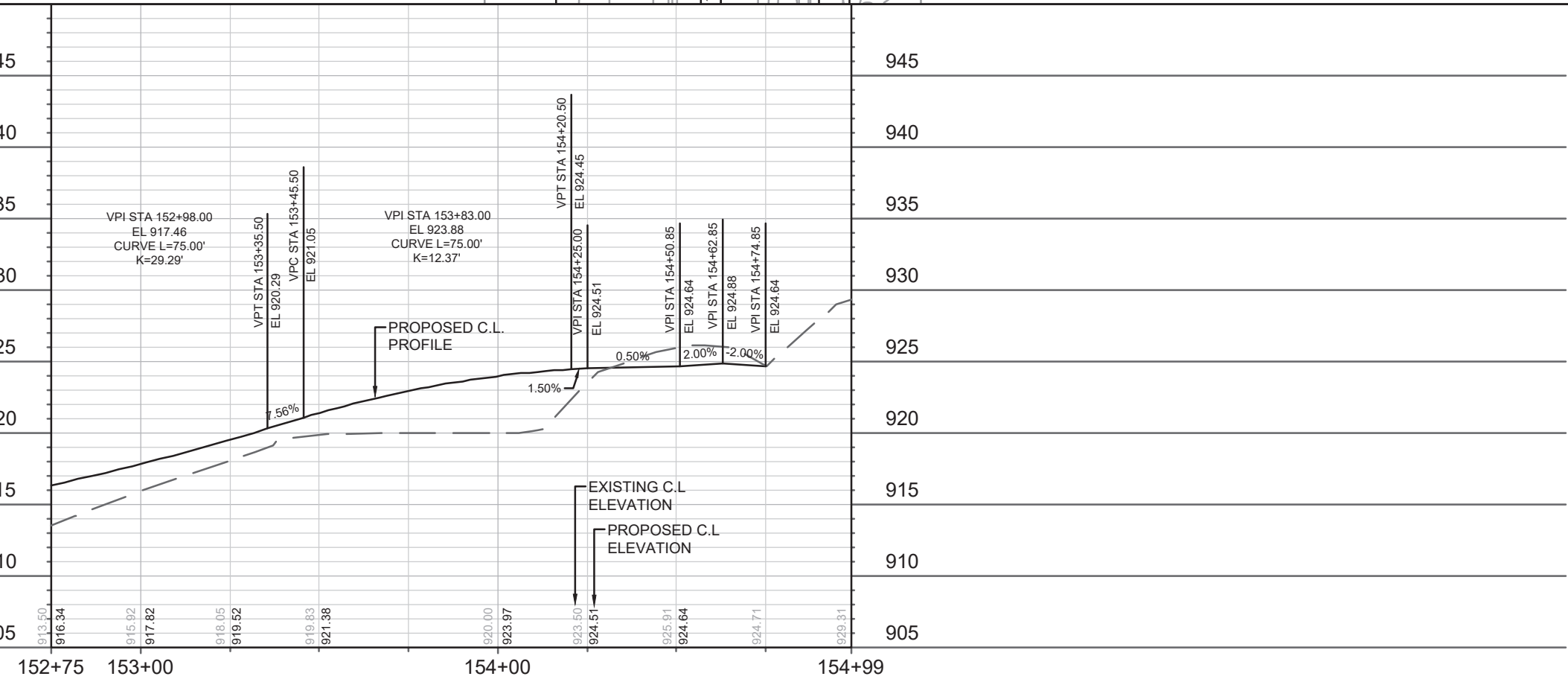
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 P-2

**REV 08/15/2022 BY AJC
REMOVE STREET WORK ON FELLAND RD.**



= UTILITY TRENCH PATCH TYPE III (SEWER/WATER IN FELLAND RD TO OCCUR IN 2023 IN COORDINATION WITH THE PUBLIC WORKS FELLAND ROAD RECONSTRUCTION (MUNIS NO. 14335/CONTRACT NO. 8692). PRIVATE CONTRACTOR TO COORDINATE THIS SEWER/WATER WORK WITH THE CITY CONTRACTOR TO PERFORM WORK ON FELLAND ROAD DURING THE PUBLIC WORKS PROJECT TRAFFIC CONTROL.)

= SLOPE INTERCEPT FOR FUTURE PATH (CLEARING & GRUBBING EAST OF LINE ONLY)

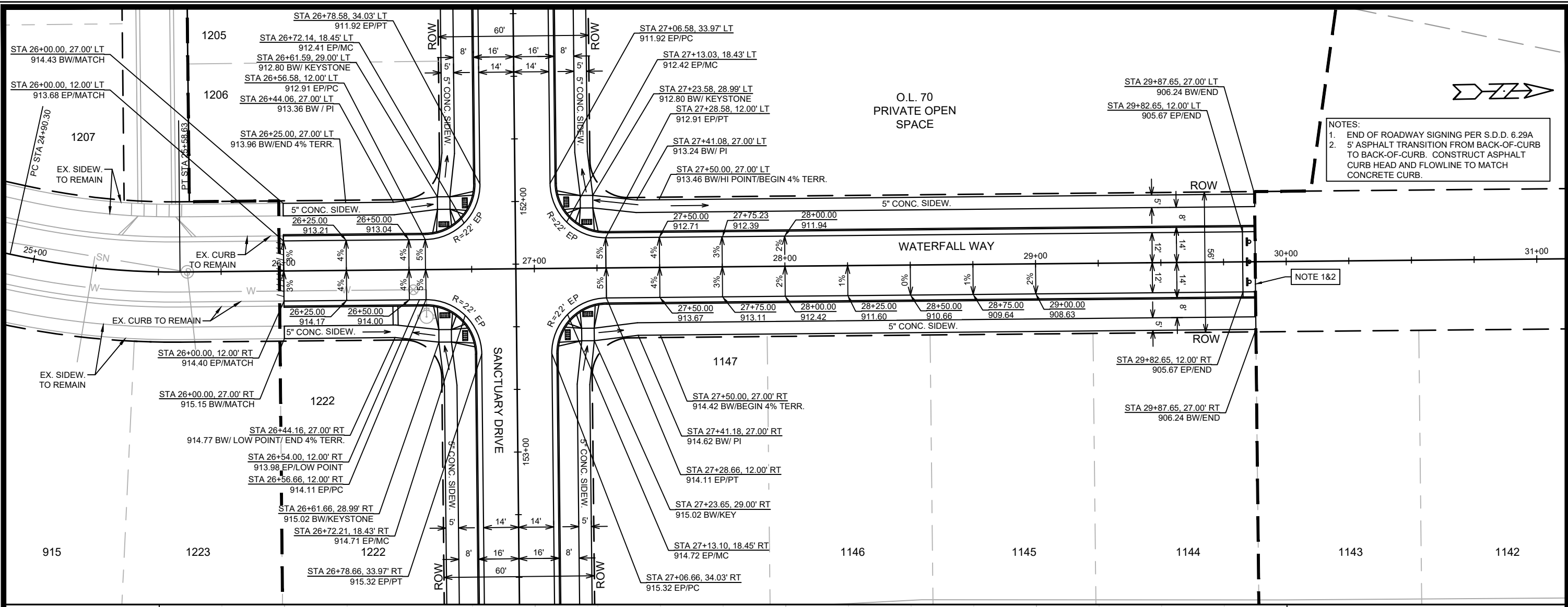


NO.	DATE	BY

13856
MADISON, WI
CONTRACT NO: 9098

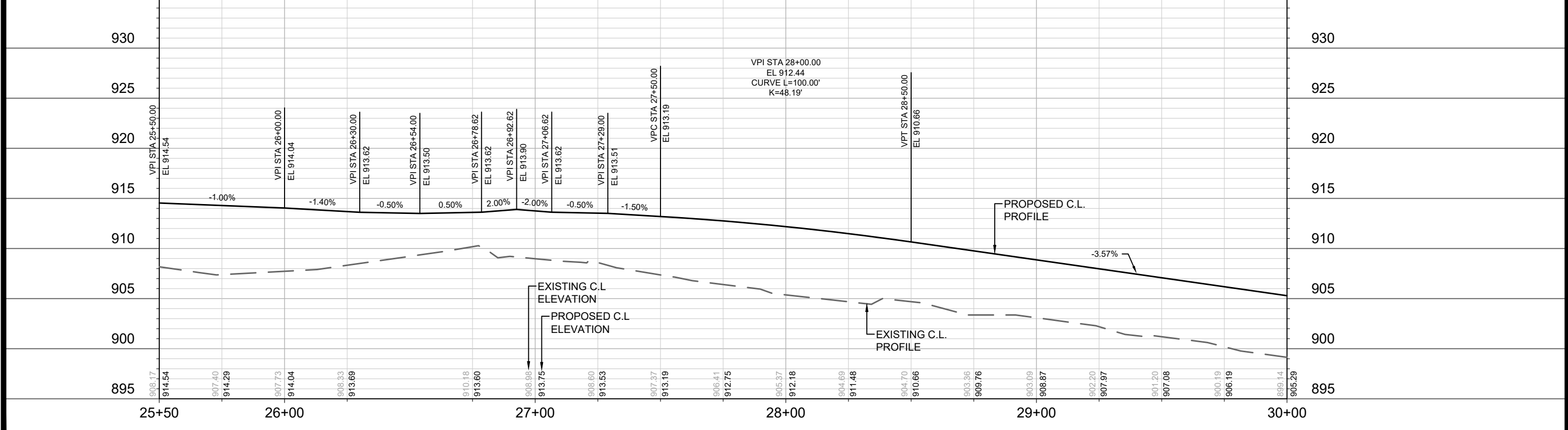
PLAN AND PROFILE - SANCTUARY DRIVE
VILLAGE AT AUTUMN LAKE - PHASE 12
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13856
P-3



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

NOTE 1&2



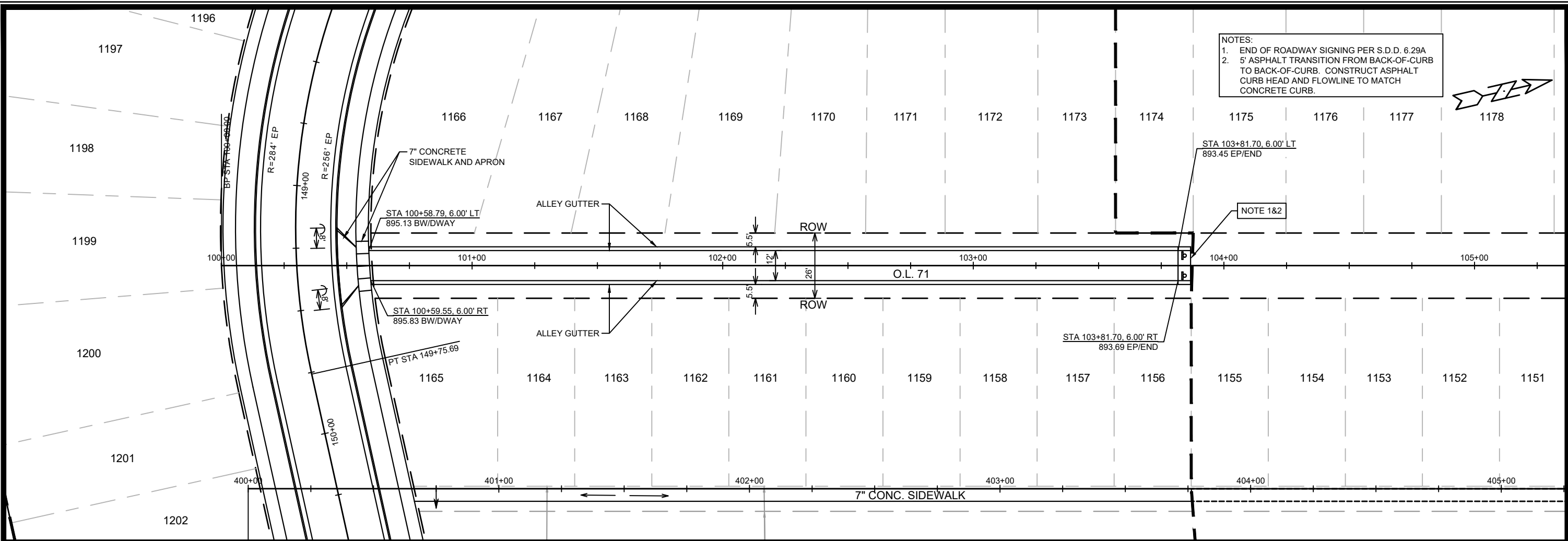
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13856
 MADISON, WI
 CONTRACT NO: 9098

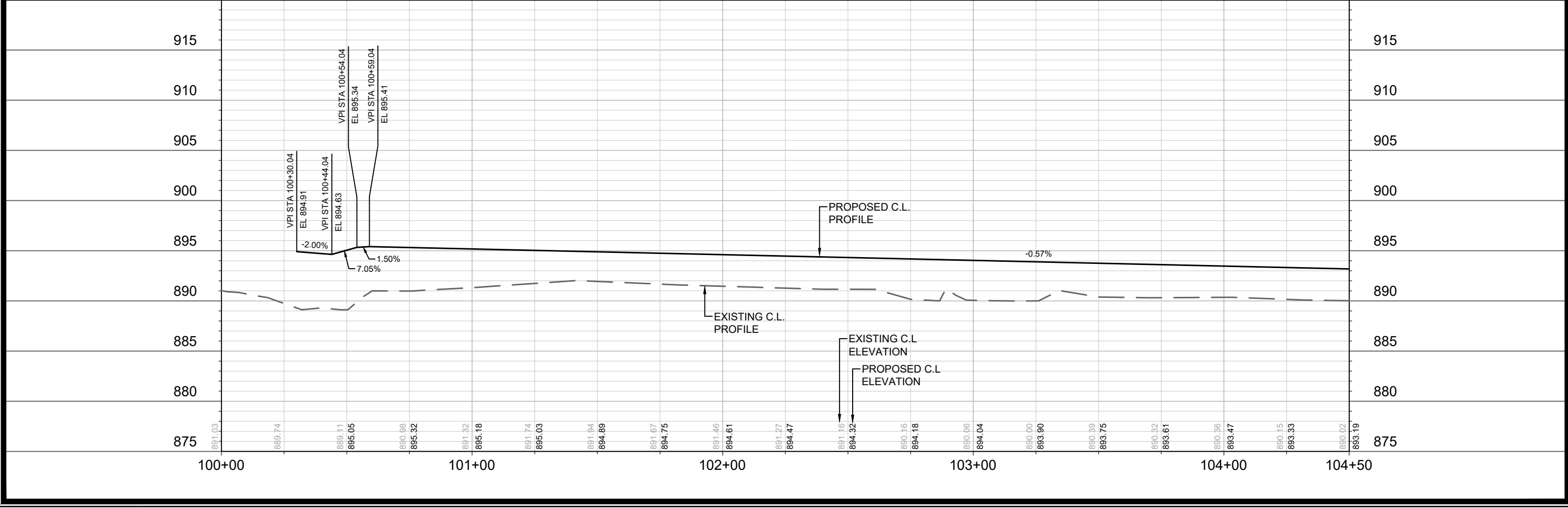
PLAN AND PROFILE - WATERFALL WAY
 VILLAGE AT AUTUMN LAKE - PHASE 12
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13856
 P-4




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



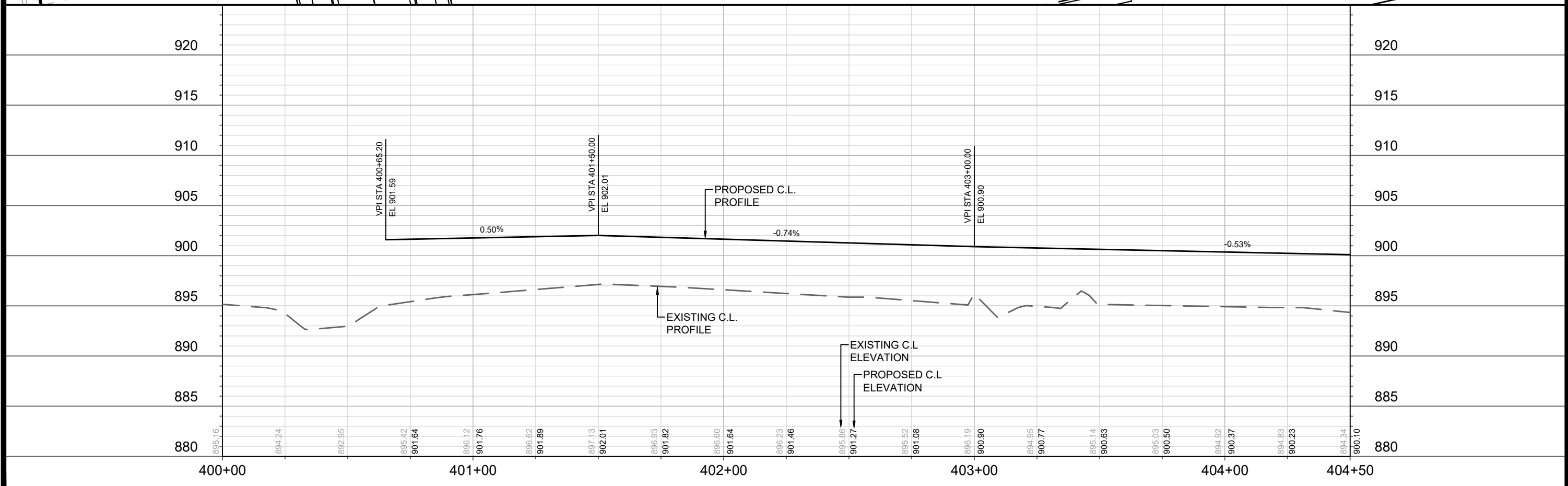
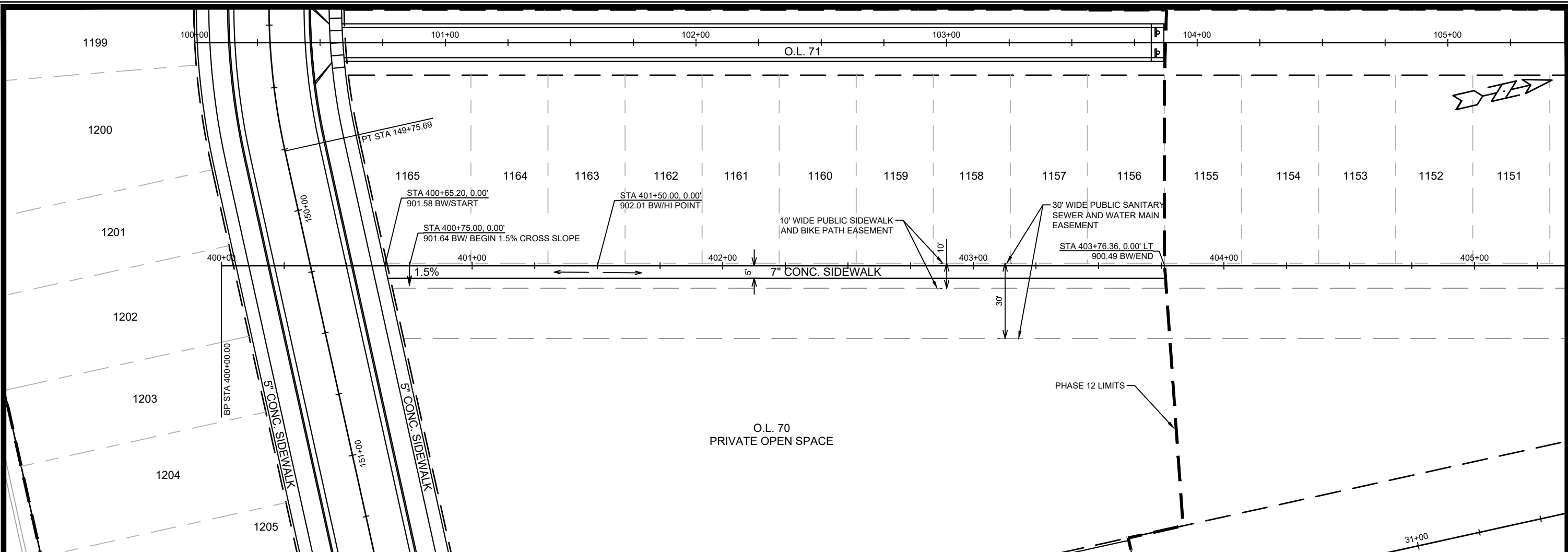
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13856
 MADISON, WI
 CONTRACT NO: 9098

PLAN AND PROFILE - OL 71 ALLEY
 VILLAGE AT AUTUMN LAKE - PHASE 12
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 P-5

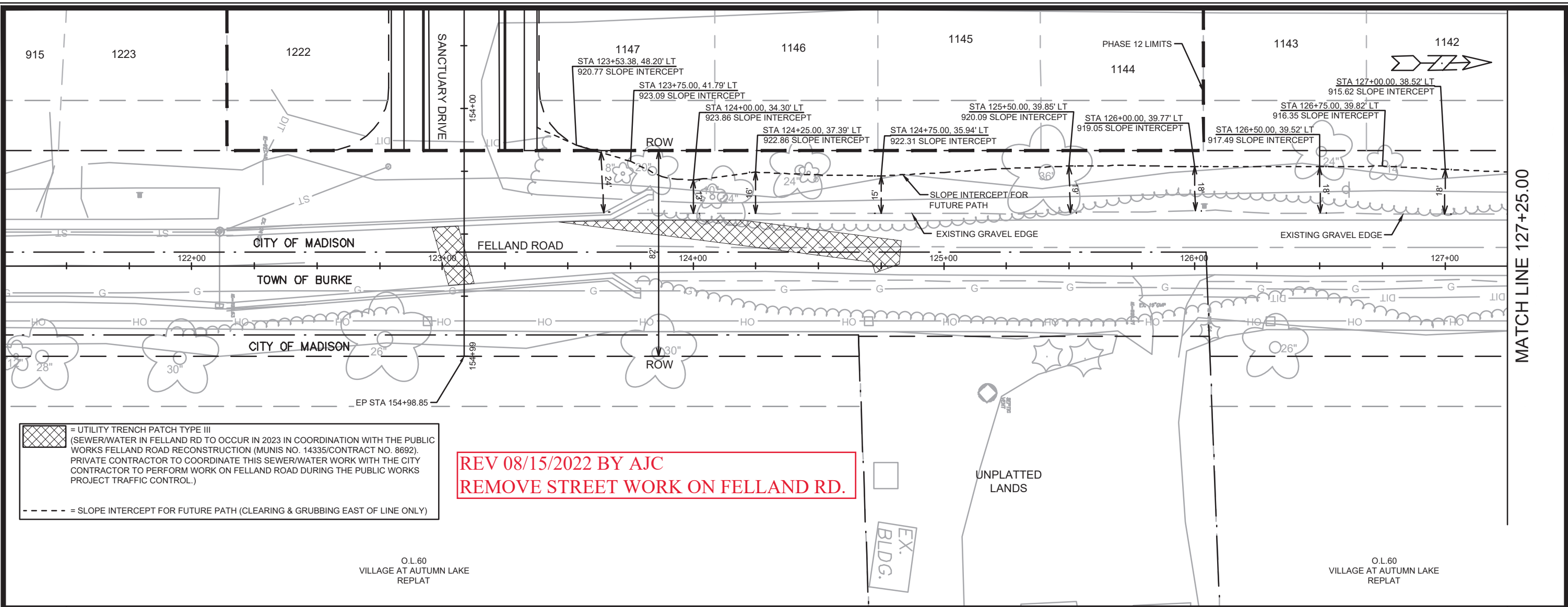



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 VILLAGE AT AUTUMN LAKE - PHASE 12
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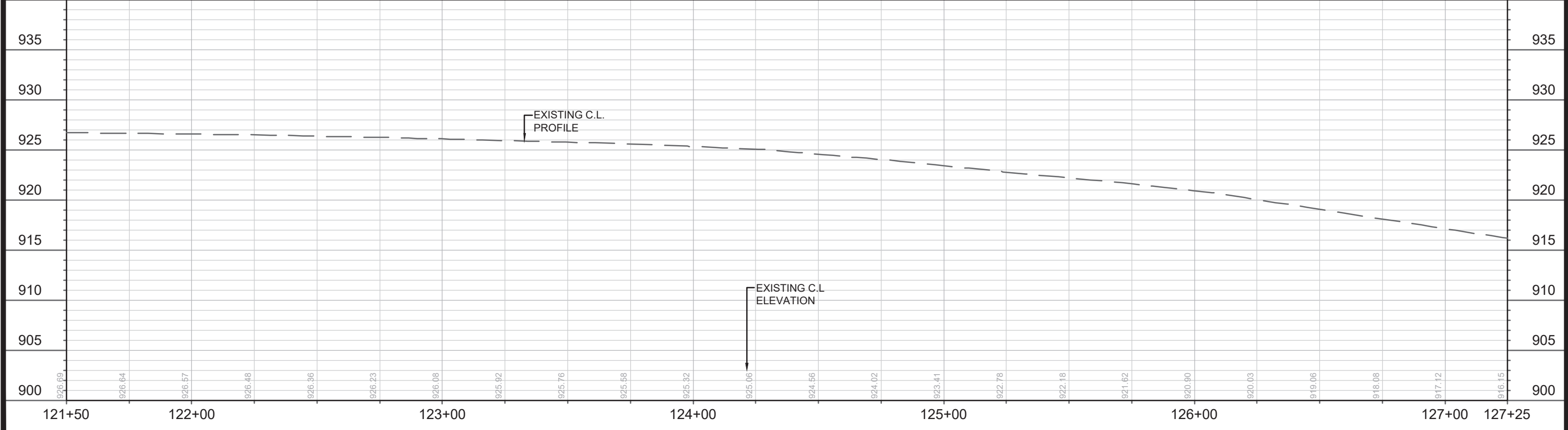


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 P-6



 = UTILITY TRENCH PATCH TYPE III (SEWER/WATER IN FELLAND RD TO OCCUR IN 2023 IN COORDINATION WITH THE PUBLIC WORKS FELLAND ROAD RECONSTRUCTION (MUNIS NO. 14335/CONTRACT NO. 8692). PRIVATE CONTRACTOR TO COORDINATE THIS SEWER/WATER WORK WITH THE CITY CONTRACTOR TO PERFORM WORK ON FELLAND ROAD DURING THE PUBLIC WORKS PROJECT TRAFFIC CONTROL.)
 - - - = SLOPE INTERCEPT FOR FUTURE PATH (CLEARING & GRUBBING EAST OF LINE ONLY)

**REV 08/15/2022 BY AJC
 REMOVE STREET WORK ON FELLAND RD.**



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Designated By: LMC	Date: 8/15/2022 1:24 PM
13856	P-7

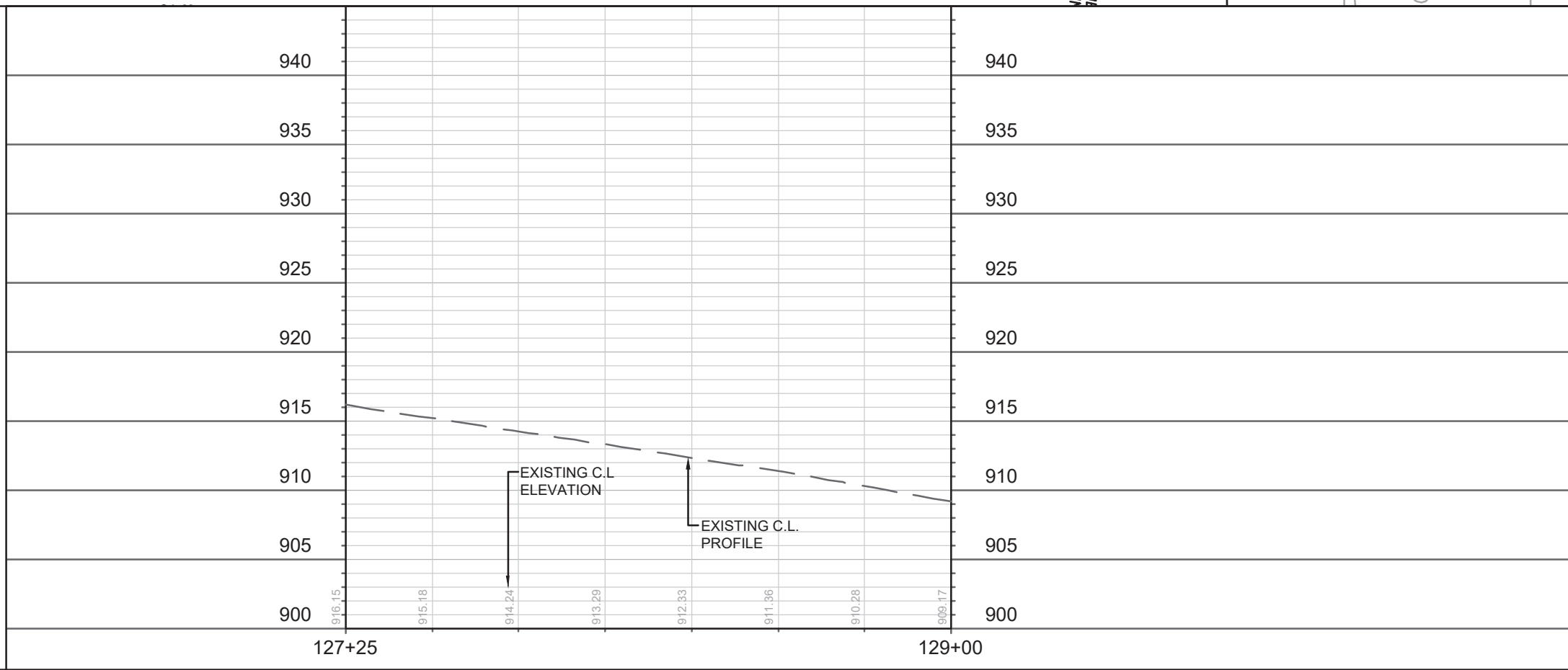
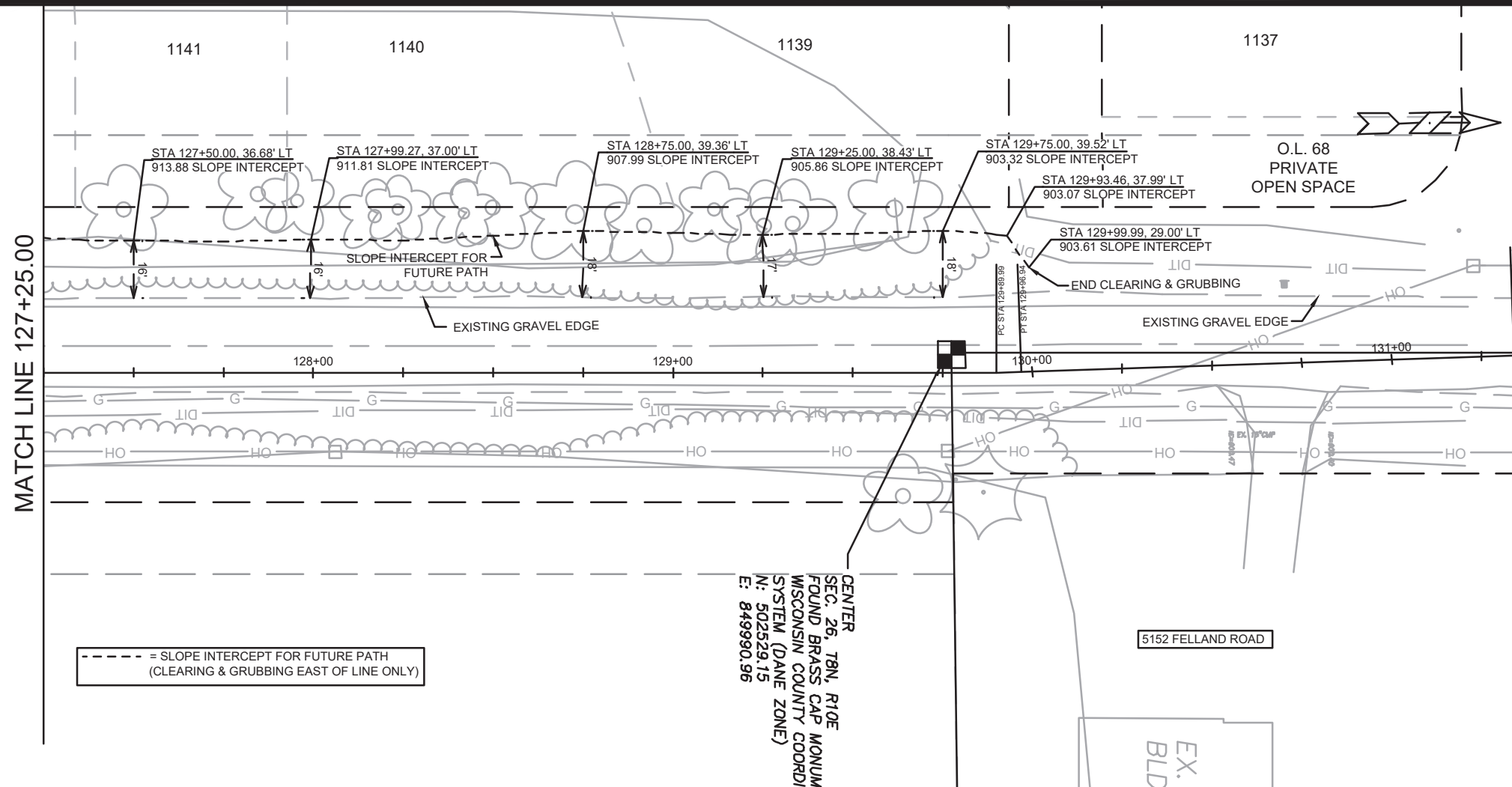
13856 MADISON, WI CONTRACT NO: 9098

PLAN AND PROFILE - FELLAND ROAD
 VILLAGE AT AUTUMN LAKE - PHASE 12

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REV 08/15/2022 BY AJC
 REMOVE STREET WORK ON FELLAND RD.



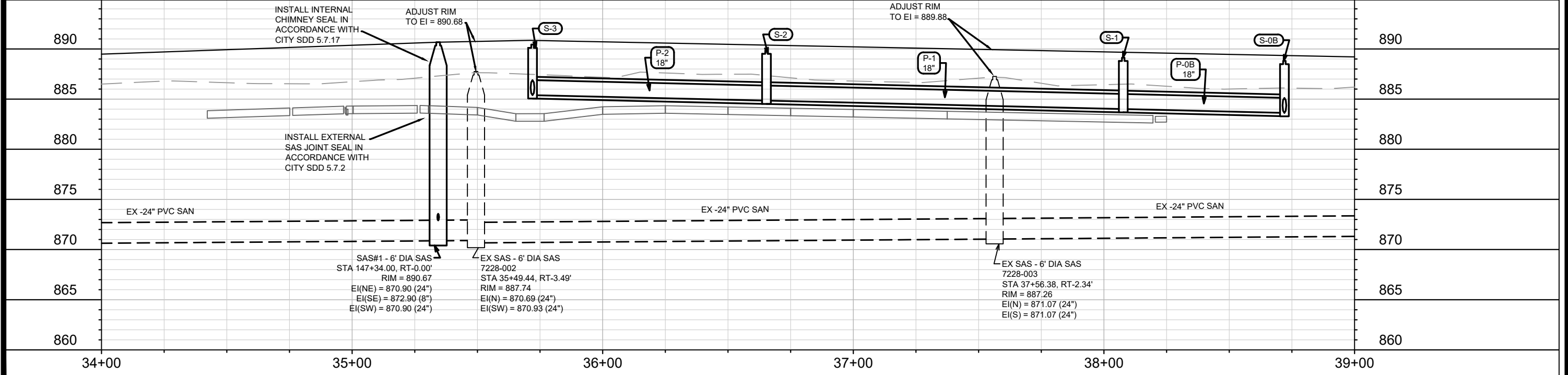
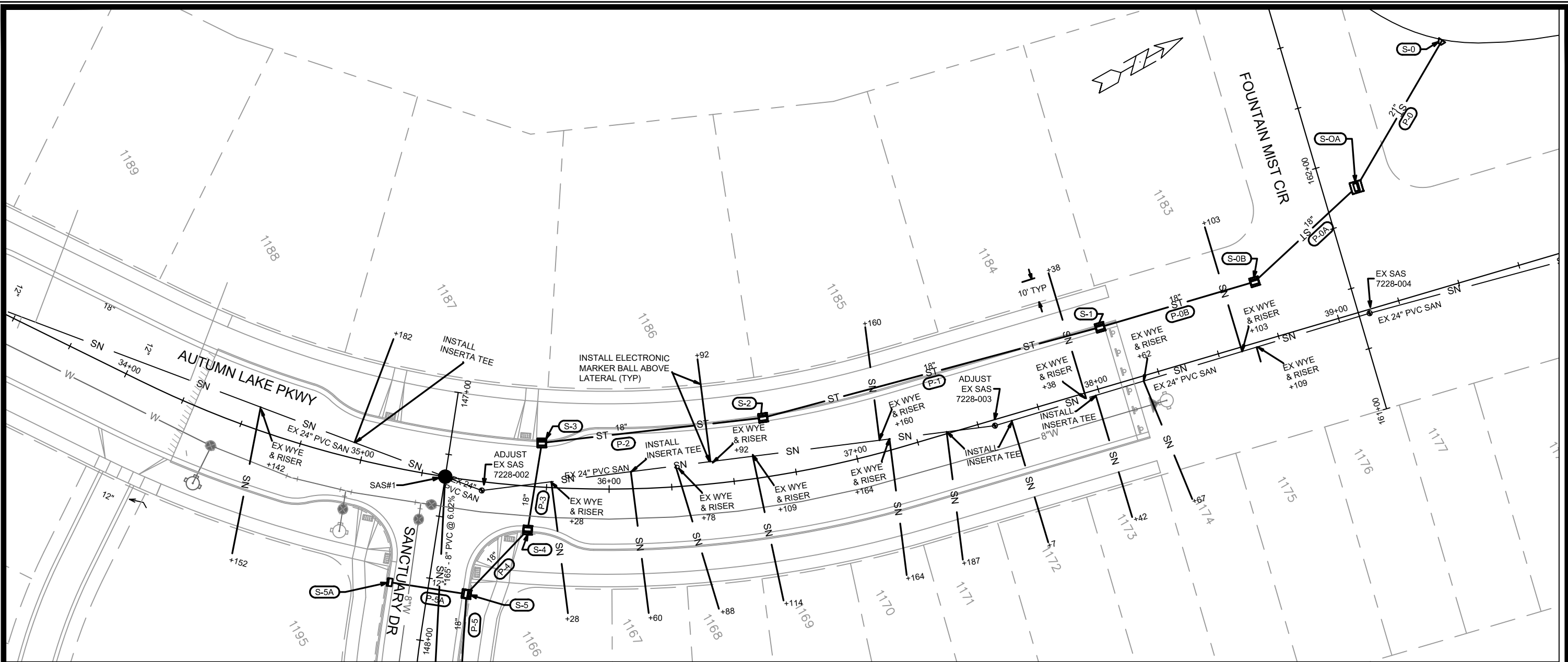
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BY	BY	BY	BY	BY	BY	BY	BY	BY	BY
REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION
MARK	MARK	MARK	MARK	MARK	MARK	MARK	MARK	MARK	MARK
Designated By: LMC	Designated By: LMC	Designated By: LMC	Designated By: LMC	Designated By: LMC	Designated By: LMC	Designated By: LMC	Designated By: LMC	Designated By: LMC	Designated By: LMC
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P-8	P-8	P-8	P-8	P-8	P-8	P-8	P-8	P-8	P-8

13856
 MADISON, WI
 CONTRACT NO: 9098

PLAN AND PROFILE - FELLAND ROAD
 VILLAGE AT AUTUMN LAKE - PHASE 12

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 P-8



MARK	REVISION	DATE	BY

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 13856 U-1

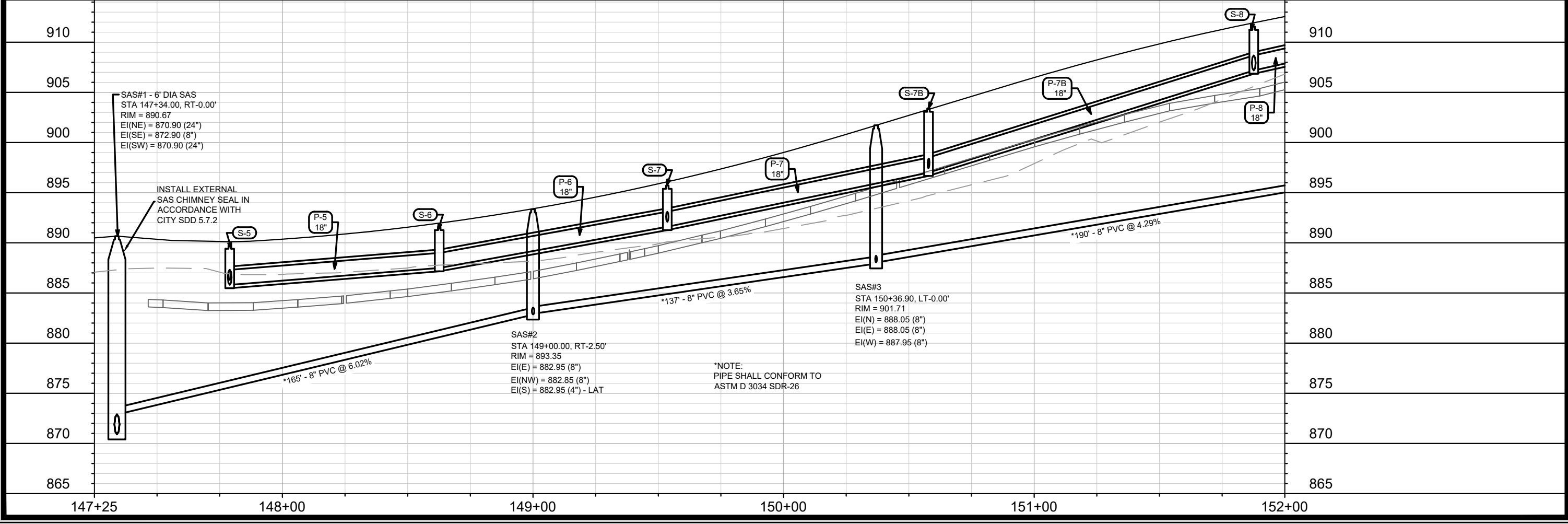
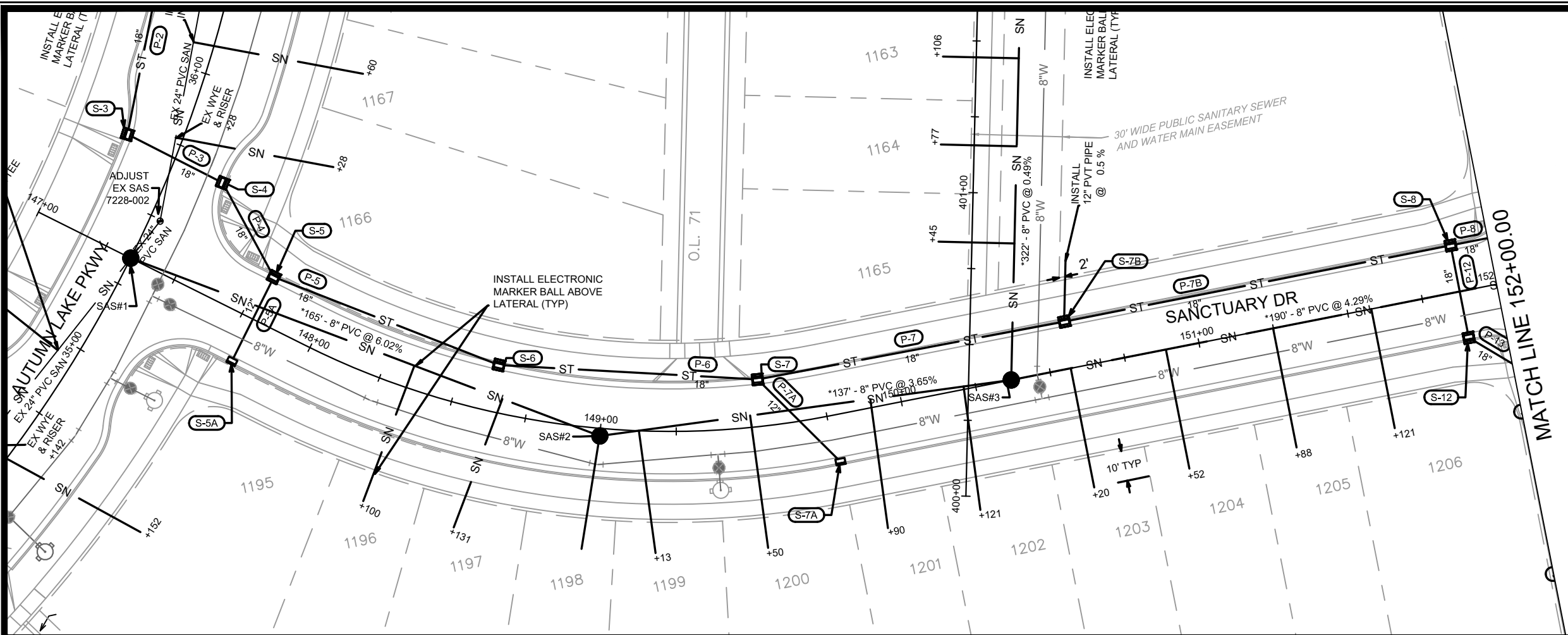
13856
 MADISON, WI
 CONTRACT NO: 9098

UTILITIES PLAN & PROFILE - AUTUMN LAKE PARKWAY
 VILLAGE AT AUTUMN LAKE - PHASE 12

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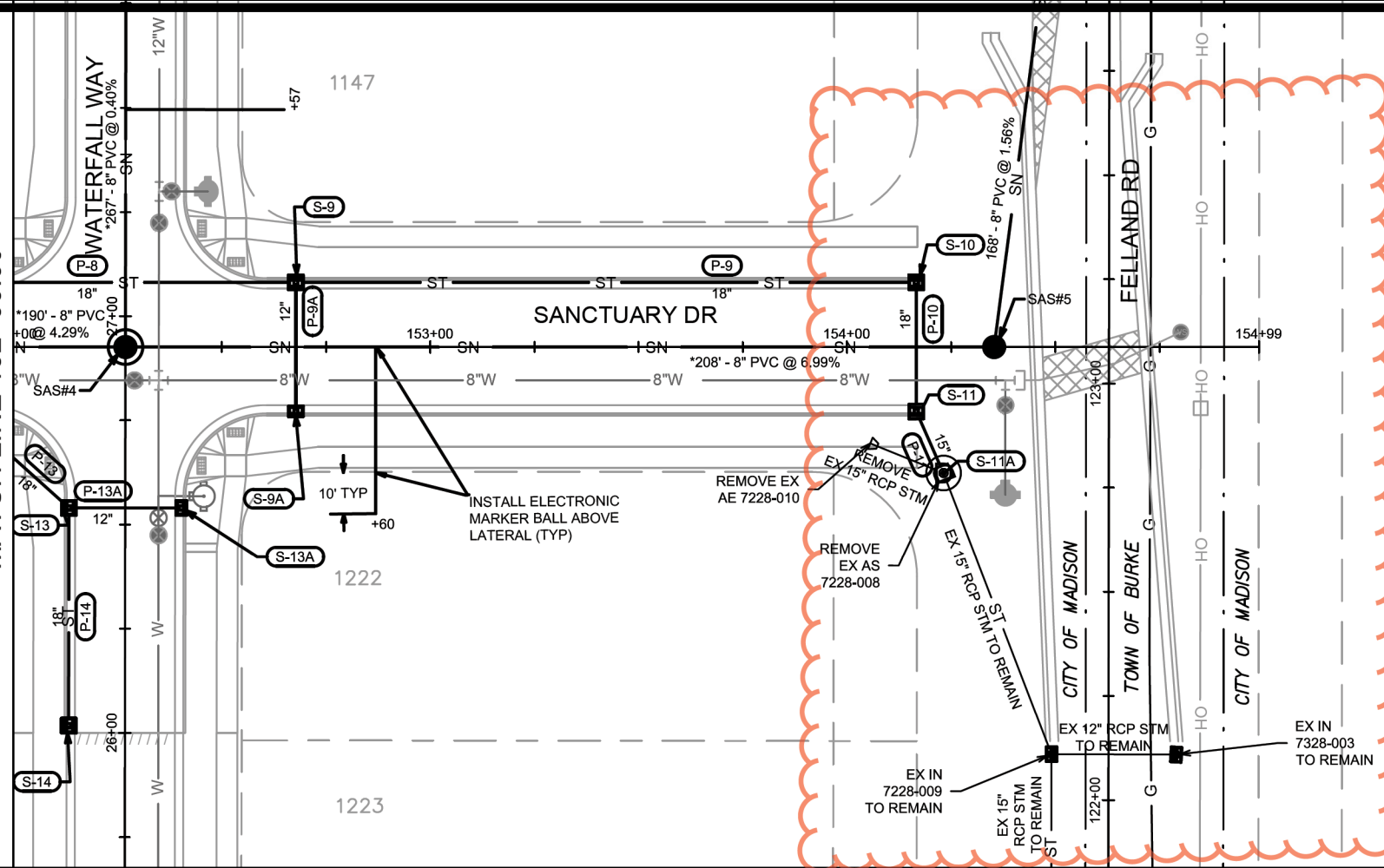
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 CONTRACT NO: 9098

UTILITIES PLAN & PROFILE - SANCTUARY DRIVE
 VILLAGE AT AUTUMN LAKE - PHASE 12
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13856
 U-2

MATCH LINE 152+00.00



REVISED 8/11/2022 - EEA
Storm:
 -Deleted inlet S-15
 - S-11A changed to a concrete collar
 - 7228-008 to be removed

Sanitary:
 -Relocated SAS#5
 -Added SAS#5A and pipe (to be constructed in 2023 see note)

930

925

920

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910

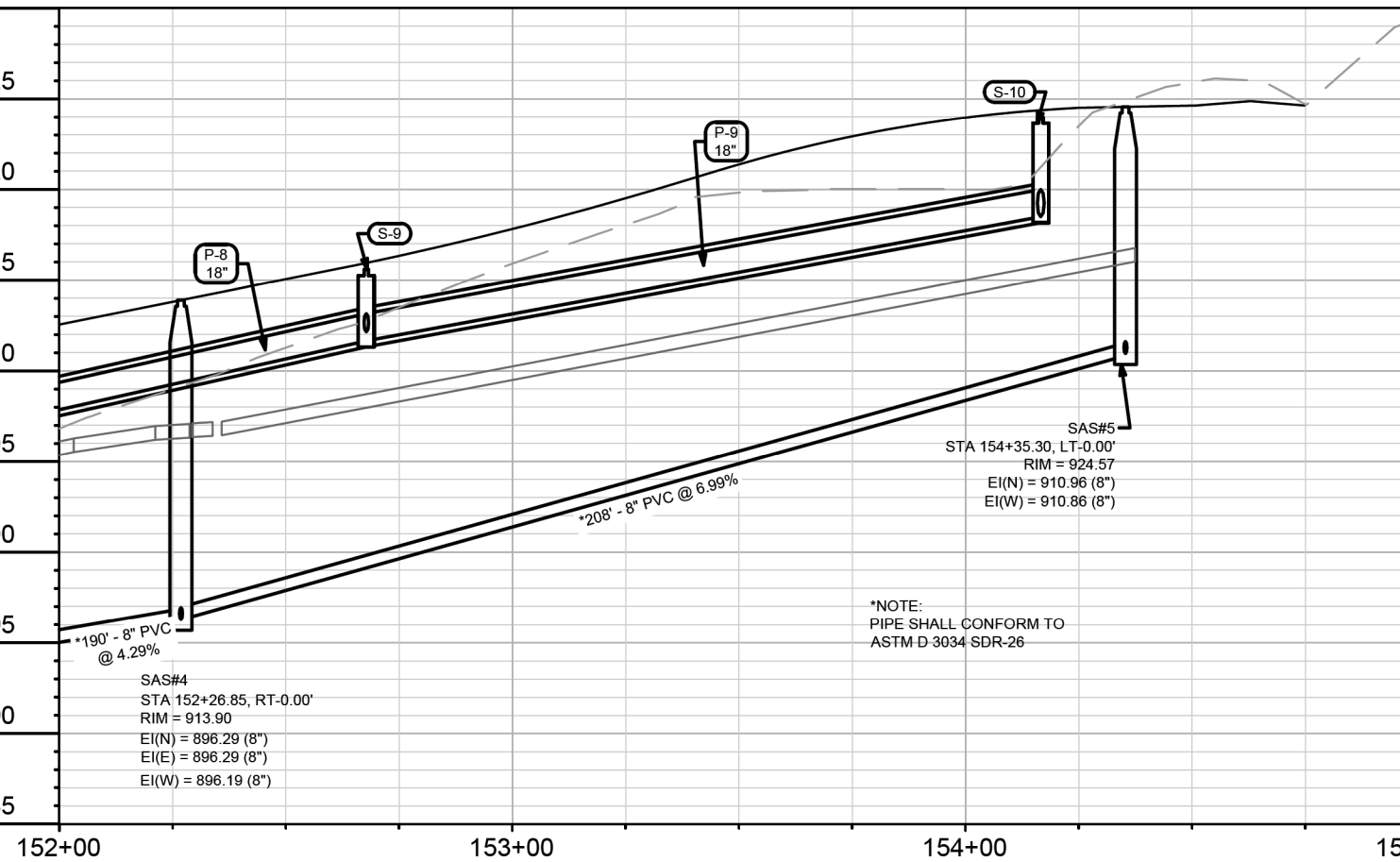
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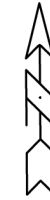
*NOTE:
 PIPE SHALL CONFORM TO
 ASTM D 3034 SDR-26

152+00

153+00

154+00

155+00



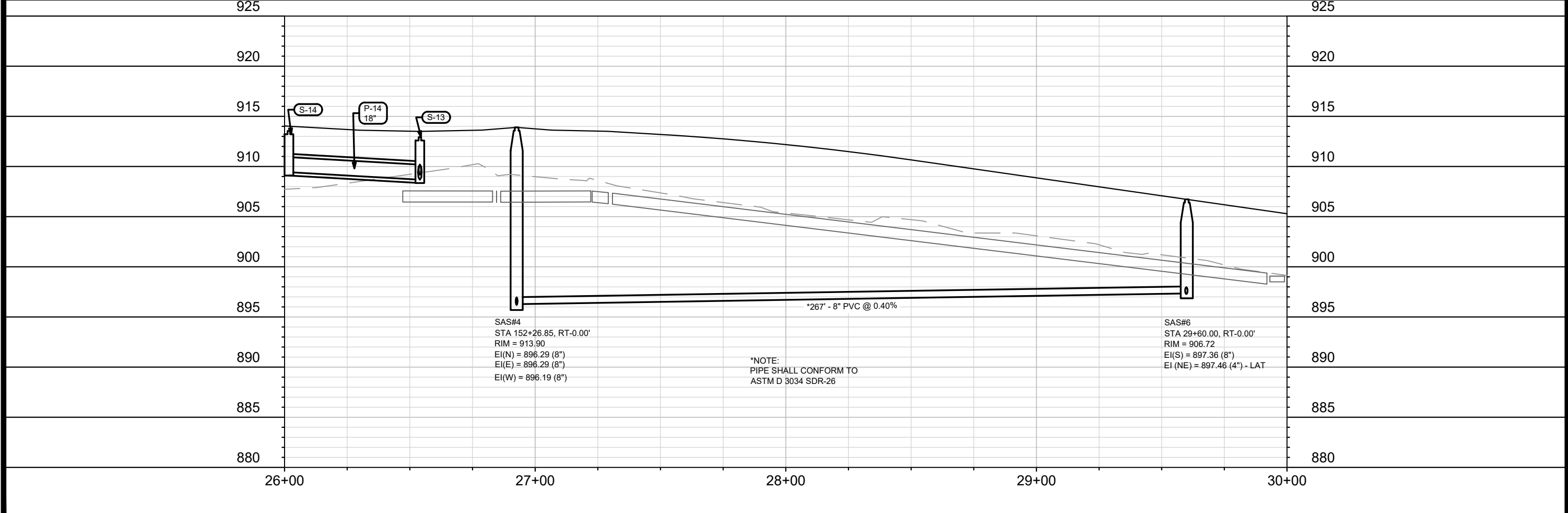
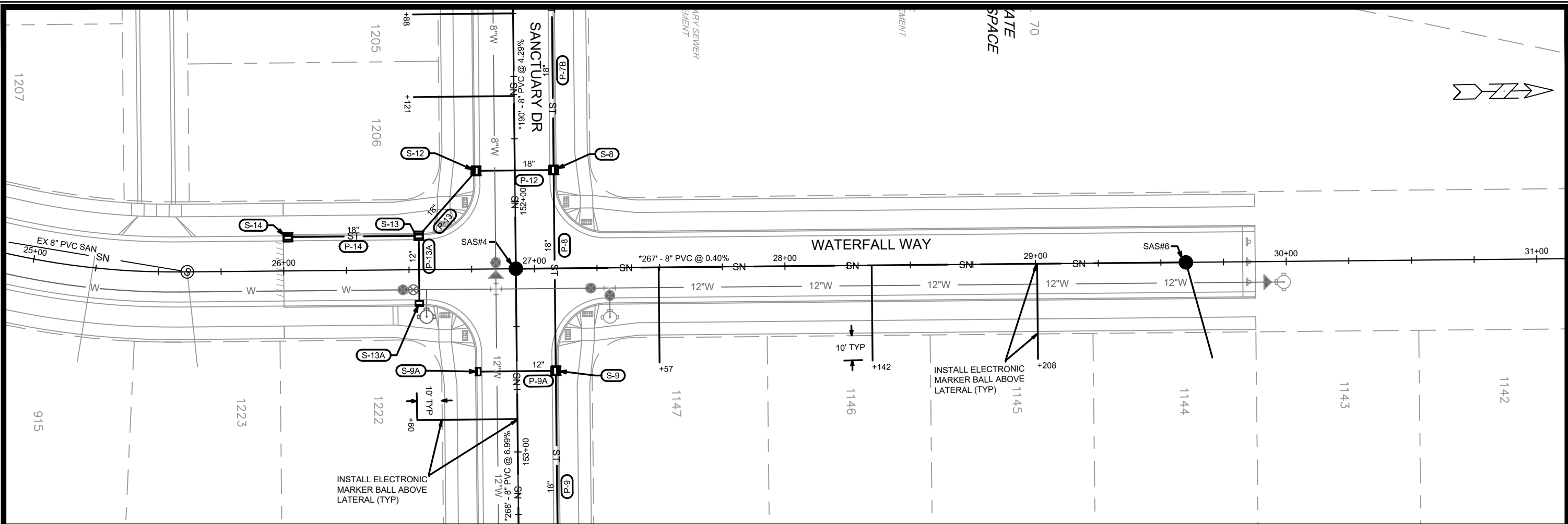
13856
 MADISON, WI
 CONTRACT NO: 9098

UTILITIES PLAN & PROFILE - SANCTUARY DRIVE
 VILLAGE AT AUTUMN LAKE - PHASE 12



13856
 U-3

MARK	REVISION	DATE	BY
13856	8/11/2022	6:52 AM	U-3
Designed By: EEA			Scale: 1" = 40'



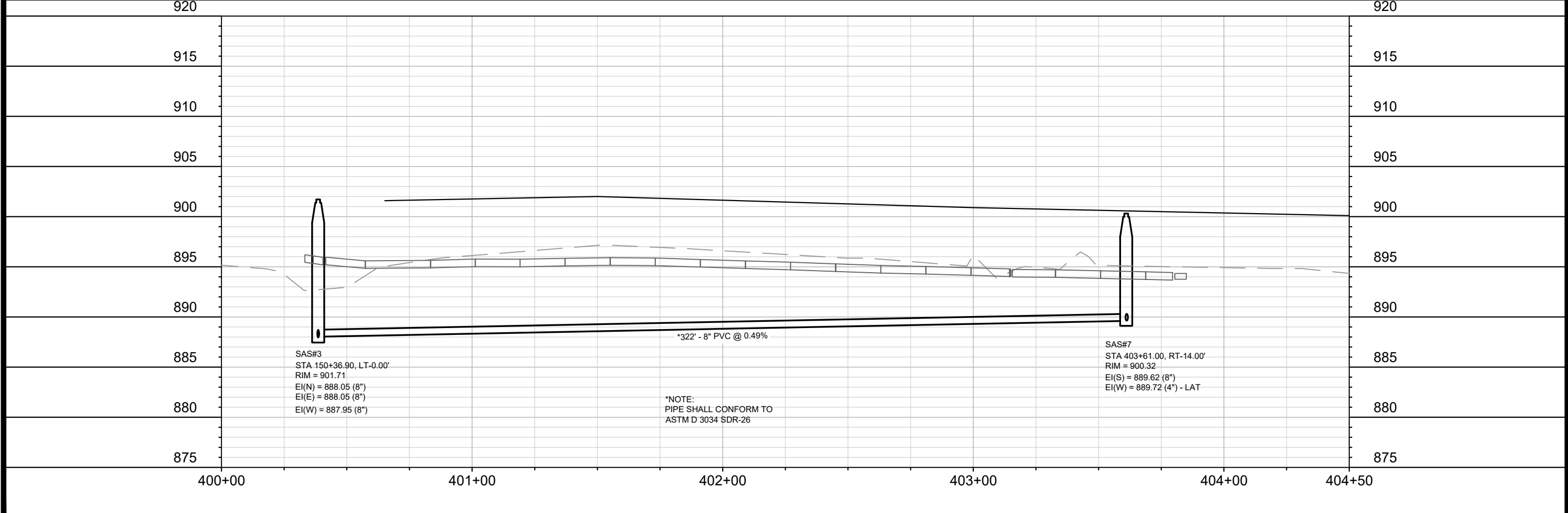
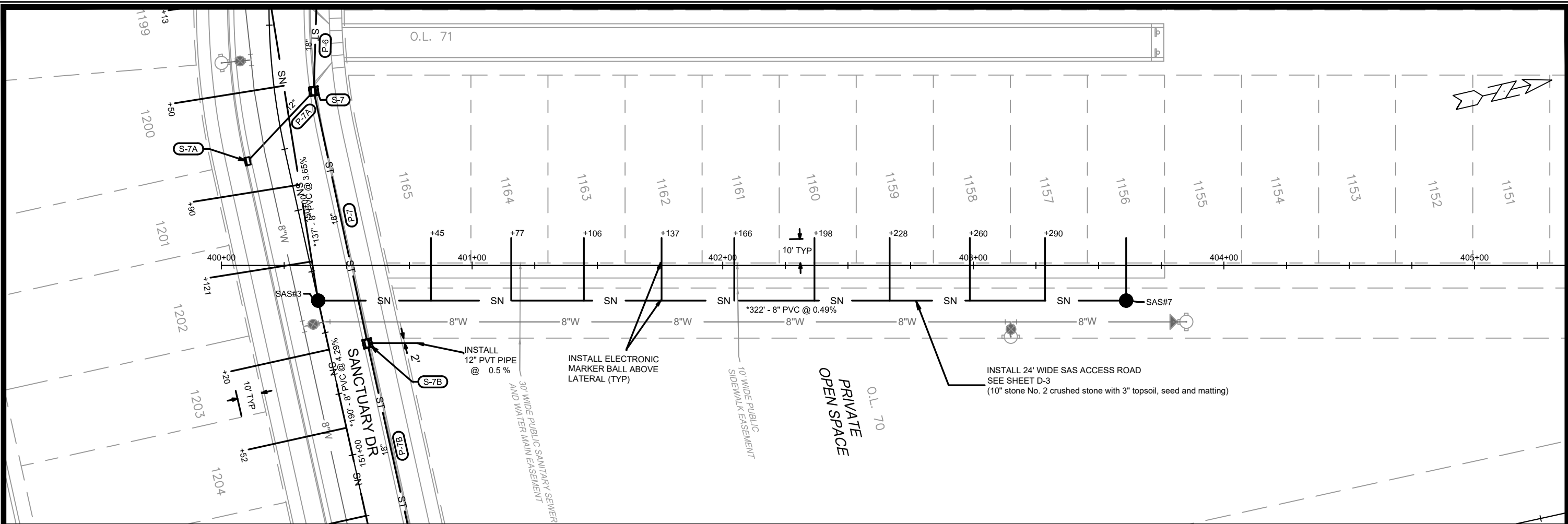
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13856	U-4	6/03/2022 10:48 AM	U-4

13856
MADISON, WI
CONTRACT NO: 9098


UTILITIES PLAN & PROFILE - WATERFALL WAY
VILLAGE AT AUTUMN LAKE - PHASE 12
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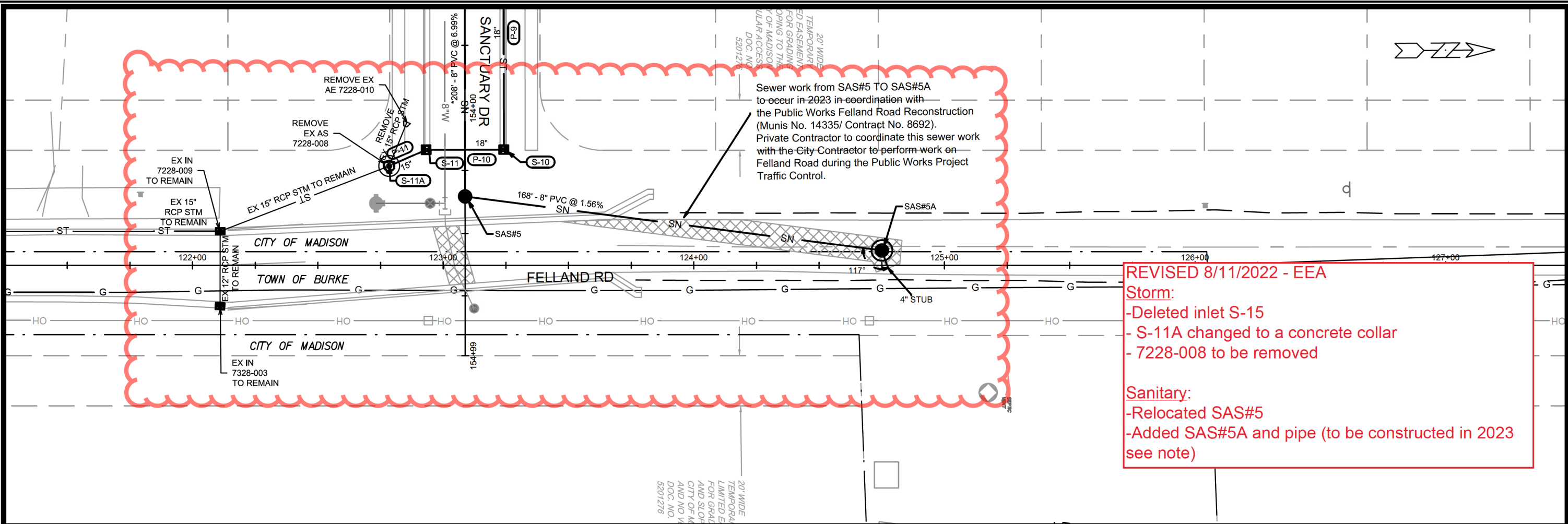


13856
U-4



MARK	REVISION	DATE	BY
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13856
 MADISON, WI
 CONTRACT NO.: 9098
 UTILITIES PLAN & PROFILE - OL 70 EASEMENT
 VILLAGE AT AUTUMN LAKE - PHASE 12
 M:\DESIGN\Projects\13856\CAD\Sewers\13856SWR-PipeNetwork.dwg

 13856
 U-5



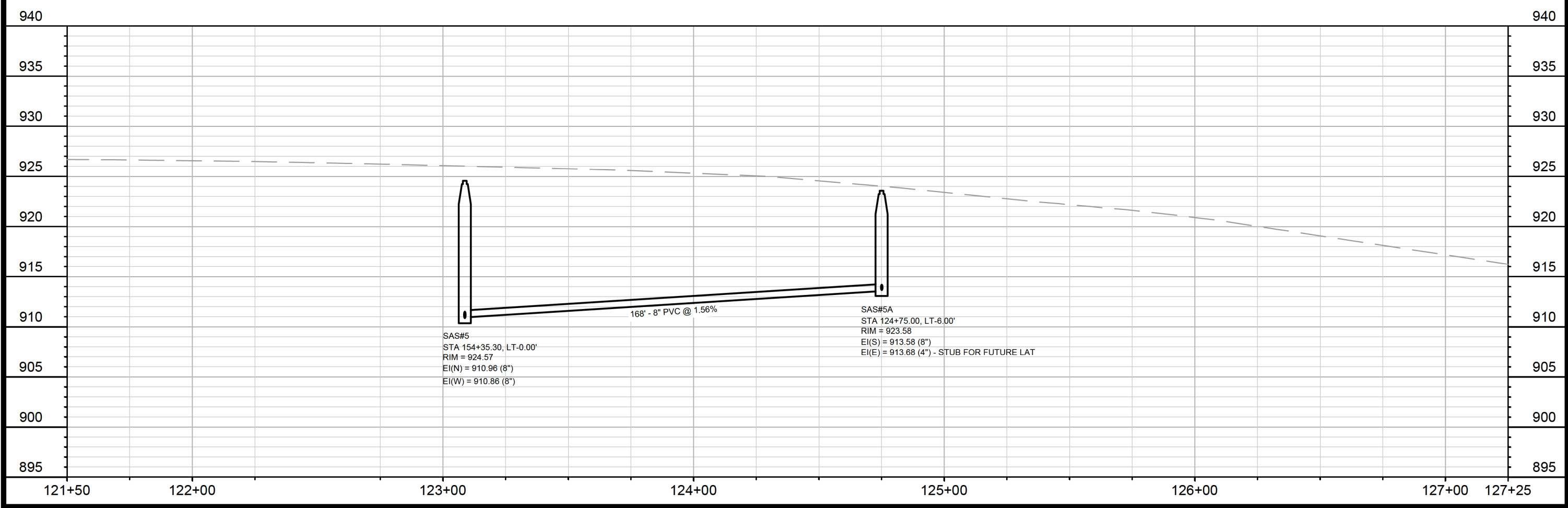
REVISED 8/11/2022 - EEA

Storm:

- Deleted inlet S-15
- S-11A changed to a concrete collar
- 7228-008 to be removed

Sanitary:

- Relocated SAS#5
- Added SAS#5A and pipe (to be constructed in 2023 see note)



DATE	BY
REVISION	
MARK	13856
Designed By: EEA	Date: 8/11/2022 8:53 AM
Scale: 1" = 40'	
U-6	

13856
MADISON, WI
9098
CONTRACT NO:

UTILITIES PLAN & PROFILE - FELLAND ROAD
VILLAGE AT AUTUMN LAKE - PHASE 12
M:\DESIGN\Projects\13856\CAD\Sewers\13856SWR-PipeNetwork.dwg

13856
U-6

SANITARY SEWER SCHEDULE

* REV 8/11/2022 - EEA

VILLAGE AT AUTUMN LAKE PH 12 PROJECT NO. 13856	SHEET NO. U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
SANCTUARY DRIVE						
SAS#1	147+34.00	CL	890.67	870.90	19.77	6' DIA SAS; (1); (2)
SAS#2	149+00.00	RT-2.50	893.35	882.85	10.50	-
SAS#3	150+36.90	CL	901.71	887.95	13.76	-
SAS#4	152+26.85	CL	913.90	896.19	17.71	-
* SAS#5	154+35.30	CL	924.57	910.86	13.71	-

FELLAND RD

* SAS#5A	124+75.00	LT-6.00	923.58	913.58	10.00	-
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WATERFALL WAY

SAS#6	29+60.00	CL	906.72	897.36	9.36	-
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SANITARY EASEMENT

SAS#7	403+61.00	RT-14.00	900.32	889.62	10.70	-
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ADJUST SANITARY STRUCTURES

STRUC. ID NO.	STATION	LOCATION (OFFSET)	EX. RIM	PROP. RIM	NOTES
AUTUMN LAKE PKWY					
7228-002	35+49.44	RT-3.49	887.74	890.68	-
7228-003	37+56.38	RT-2.34	887.26	889.88	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
SANCTUARY DRIVE								
SAS#1	SAS#2	872.90	882.85	165	6.02%	8"	SDR-26	-
SAS#2	SAS#3	882.95	887.95	137	3.65%	8"	SDR-26	-
SAS#3	SAS#4	888.05	896.19	190	4.29%	8"	SDR-26	-
* SAS#4	SAS#5	896.29	910.86	208	6.99%	8"	SDR-26	-
FELLAND RD								
* SAS#5	SAS#5A	910.96	913.58	168	1.56%	8"	SDR-26	-
WATERFALL WAY								
SAS#4	SAS#6	896.29	897.36	267	0.40%	8"	SDR-26	-
SANITARY EASEMENT								
SAS#3	SAS#7	888.05	889.62	322	0.49%	8"	SDR-26	-

NOTES:

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

(1) INSTALL INTERNAL CHIMNEY SEAL IN ACCORDANCE WITH CITY S.D.D. 5.7.17

(2) INSTALL EXTERNAL SAS JOINT SEAL IN ACCORDANCE WITH S.D.D. 5.7.2

STORM SEWER SCHEDULE

* REVISED 8/8/2022 EEA

VILLAGE AT AUTUMN LAKE PHASE 12	SHEET NO.
PROJECT NO. 13856	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
FOUNTAIN MIST CIRCLE							
S-0	162+34.81	RT-62.84	21" RCP APRON END	-	880.00	-	-
S-0A	161+88.26	RT-13.50	4X4 SAS	888.69	883.03	5.65	W/ R-3067-7004-V
AUTUMN LAKE PARKWAY							
S-0B	38+72.00	LT-23.50	3X3 SAS	889.29	883.62	5.66	W/ R-3067-7004-V
S-1	38+07.70	LT-23.50	3X3 SAS	889.61	884.01	5.60	W/ R-3067-7004-V
S-2	36+65.35	LT-23.50	3X3 SAS	890.32	884.85	5.47	W/ R-3067-7004-V
S-3	35+72.00	LT-17.60	3X3 SAS	890.92	885.39	5.52	W/ R-3067-7004-V
S-4	35+68.70	RT-17.50	3X3 SAS	890.90	885.60	5.29	W/ R-3067-7004-V
SANCTUARY DRIVE							
S-5	147+79.00	LT-15.50	3X3 SAS	890.21	885.81	4.40	LP; W/ R-3067-7004-VB; (1)
S-5A	147+79.00	RT-15.50	H INLET	890.21	886.61	3.60	LP; W/ R-3067-7004-VB; (1)
S-6	148+62.60	LT-15.50	3X3 SAS	892.09	887.49	4.60	W/ R-3067-7004-V
S-7	149+53.60	LT-15.50	3X3 SAS	896.20	891.60	4.60	W/ R-3067-7004-V
S-7A	149+76.50	RT-15.50	H INLET	897.56	893.95	3.60	W/ R-3067-7004-V
S-7B	150+57.84	LT-15.50	3X3 SAS	903.40	897.00	6.40	W/ R-3067-7004-V; (3)
S-8	151+87.60	LT-15.50	3X3 SAS	912.03	907.18	4.85	W/ R-3067-7004-V
S-9	152+67.75	LT-15.50	3X3 SAS	916.06	911.66	4.39	W/ R-3067-7004-VB
S-9A	152+67.75	RT-15.50	H INLET	916.06	912.66	3.39	W/ R-3067-7004-VB
S-10	154+16.60	LT-15.50	3X3 SAS	924.48	918.50	5.98	W/ R-3067-7004-V
S-11	154+16.60	RT-15.50	3X3 SAS	924.48	918.66	5.82	W/ R-3067-7004-V
* S-11A	154+23.14	RT-30.27	CONCRETE COLLAR	-	919.00	-	-
S-12	151+87.60	RT-15.50	3X3 SAS	912.03	907.43	4.60	W/ R-3067-7004-V
WATERFALL WAY							
S-13	26+54.00	LT-13.50	3X3 SAS	913.40	908.68	4.72	LP; W/ R-3067-7004-VB
S-13A	26+54.00	RT-13.50	H INLET	914.36	910.87	3.49	W/ R-3067-7004-VB
S-14	26+01.75	LT-13.50	3X3 SAS	914.02	909.43	4.59	W/ R-3067-7004-V
FELLAND ROAD							
* S-15	122+10.96	RT-13.50	H INLET	925.51	922.01	3.50	W/ R-3067-7004-V; (2)

SPECIFIC NOTES:

- (1) INSTALL LOW POINT PVC DRAIN; SEE S.D.D. 5.7.7A
- * (2) CONNECT TO EXISTING PIPE
- (3) INSTALL 12" PVT PIPE TO NORTH 5FT BEYOND PROPERTY LINE AND 2FT PARALLEL FROM EASEMENT LINE

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
FOUNTAIN MIST CIRCLE										
P-0	S-0	S-0A	880.00	883.03	68	65	4.66%	21"	TYPE II	-
P-0A	S-0A	S-0B	883.28	883.62	56	52	0.65%	18"	TYPE I	-
AUTUMN LAKE PARKWAY										
P-0B	S-0B	S-1	883.62	884.01	64	61	0.64%	18"	TYPE II	-
P-1	S-1	S-2	884.01	884.85	139	136	0.62%	18"	TYPE II	-
P-2	S-2	S-3	884.85	885.39	89	86	0.63%	18"	TYPE II	-
P-3	S-3	S-4	885.39	885.60	35	32	0.66%	18"	TYPE I	-
P-4	S-4	S-5	885.60	885.81	35	31	0.68%	18"	TYPE II	-
SANCTUARY DRIVE										
P-5	S-5	S-6	885.81	887.49	80	77	2.18%	18"	TYPE II	-
P-5A	S-5	S-5A	886.31	886.61	31	29	1.03%	12"	TYPE I	-
P-6	S-6	S-7	887.49	891.60	85	82	5.01%	18"	TYPE I	-
P-7	S-7	S-7B	891.60	897.00	103	100	5.40%	18"	TYPE II	-
P-7A	S-7	S-7A	892.10	893.95	39	35	5.29%	12"	TYPE I	-
P-7B	S-7B	S-8	897.00	907.18	130	127	8.02%	18"	TYPE II	-
P-8	S-8	S-9	907.18	911.66	80	77	5.82%	18"	TYPE I	-
P-9	S-9	S-10	911.66	918.50	149	146	4.68%	18"	TYPE II	-
P-9A	S-9	S-9A	912.16	912.66	31	29	1.72%	12"	TYPE I	-
P-10	S-10	S-11	918.50	918.66	31	28	0.57%	18"	TYPE I	-
* P-11	S-11	S-11A	918.91	919.00	16	13	0.69%	15"	TYPE II	-
P-12	S-8	S-12	907.18	907.43	31	28	0.89%	18"	TYPE I	-
WATERFALL WAY										
P-13	S-12	S-13	907.43	908.68	35	30	4.17%	18"	TYPE II	-
P-13A	S-13	S-13A	909.18	910.87	27	25	6.76%	12"	TYPE I	-
P-14	S-13	S-14	908.68	909.43	52	49	1.53%	18"	TYPE II	-

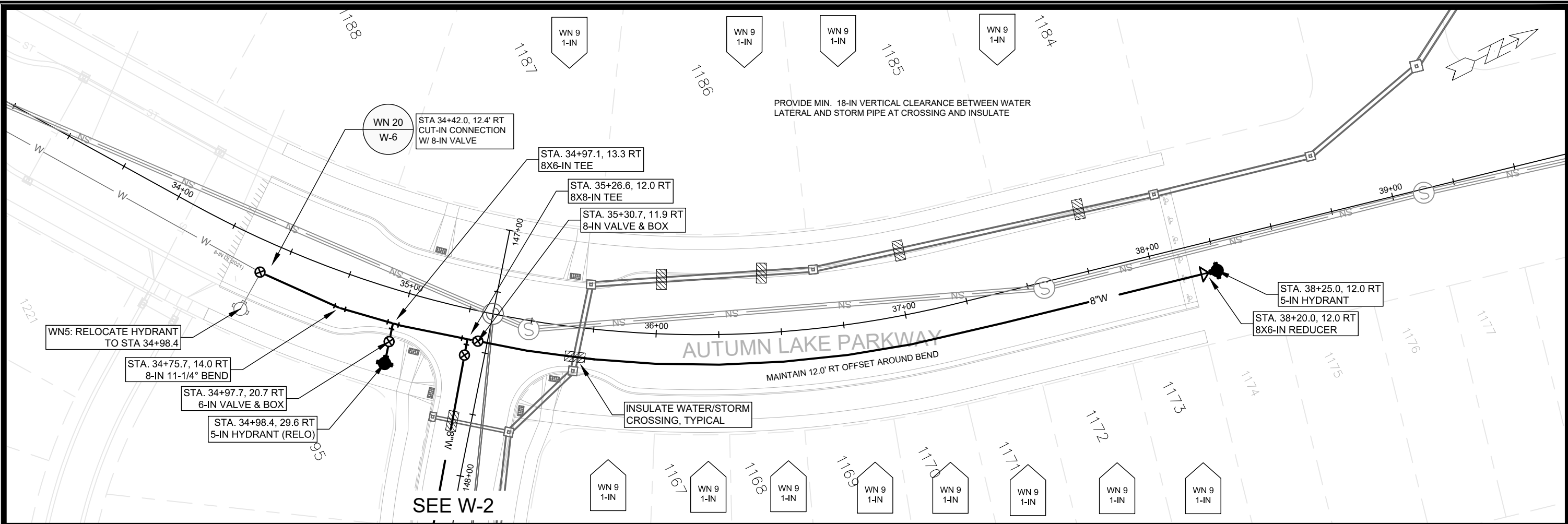
ADJUST STORM STRUCTURE

STRUC. ID NO.	STATION	LOCATION (OFFSET)	EX. RIM	PROP. RIM	NOTES
* 7228-008	154+23.14	RT-30.27	925.97	924.56	

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



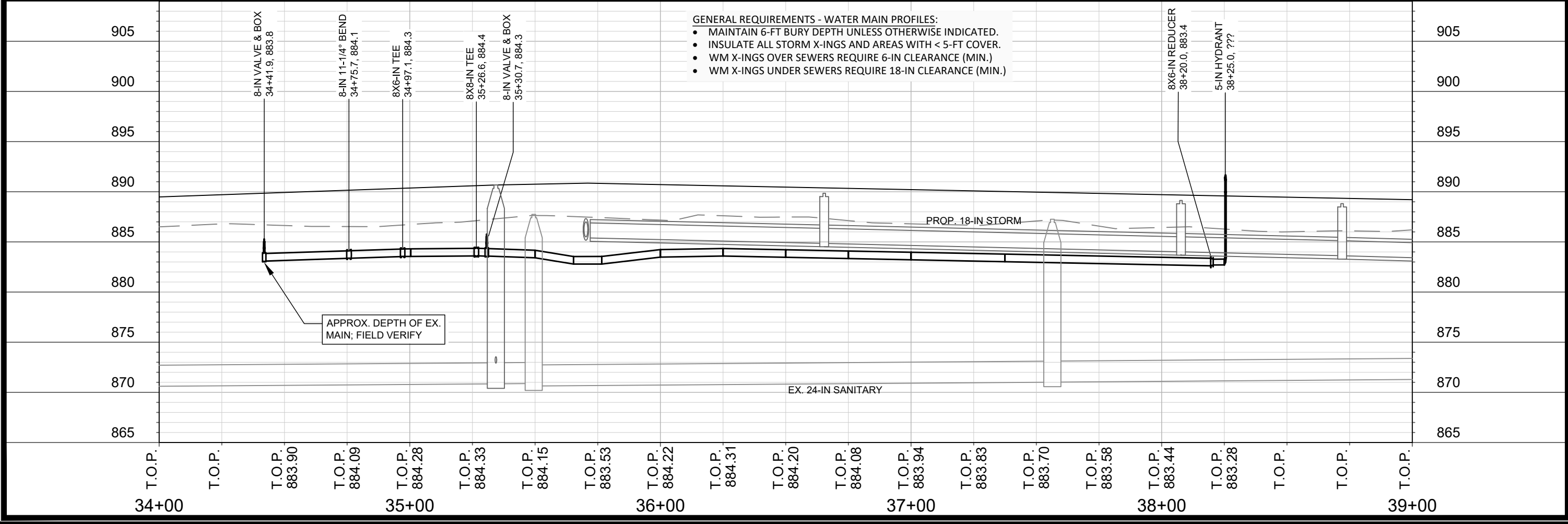
PROVIDE MIN. 18-IN VERTICAL CLEARANCE BETWEEN WATER LATERAL AND STORM PIPE AT CROSSING AND INSULATE

AUTUMN LAKE PARKWAY

MAINTAIN 12.0' RT OFFSET AROUND BEND

SEE 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.)



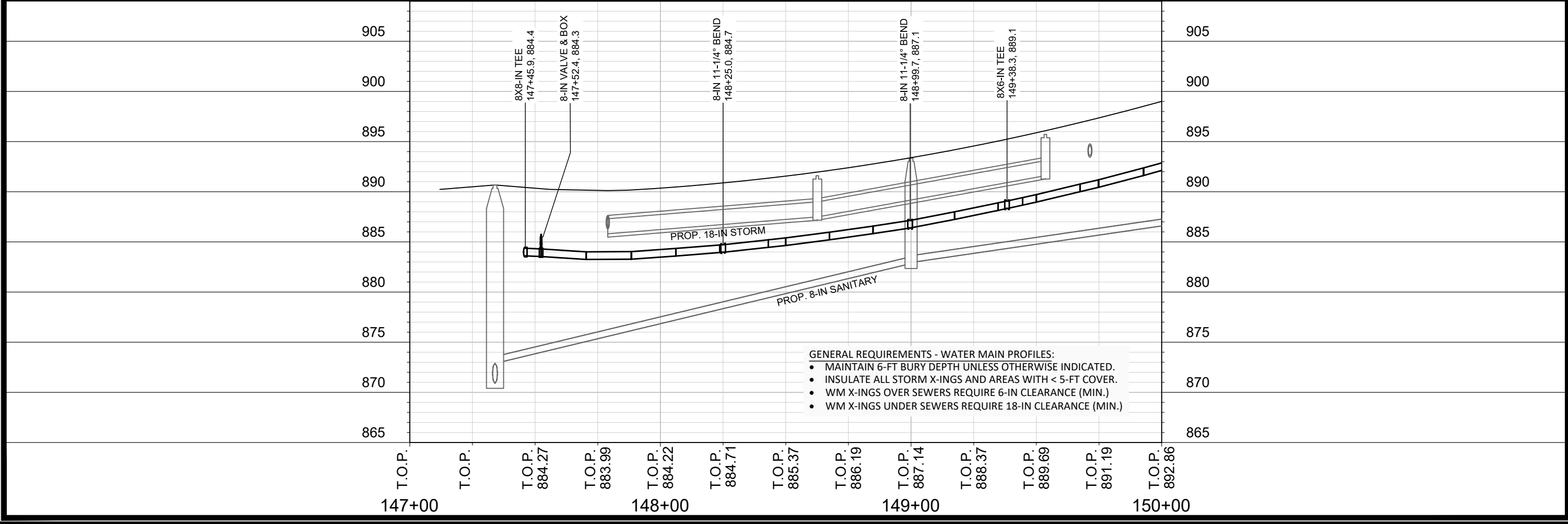
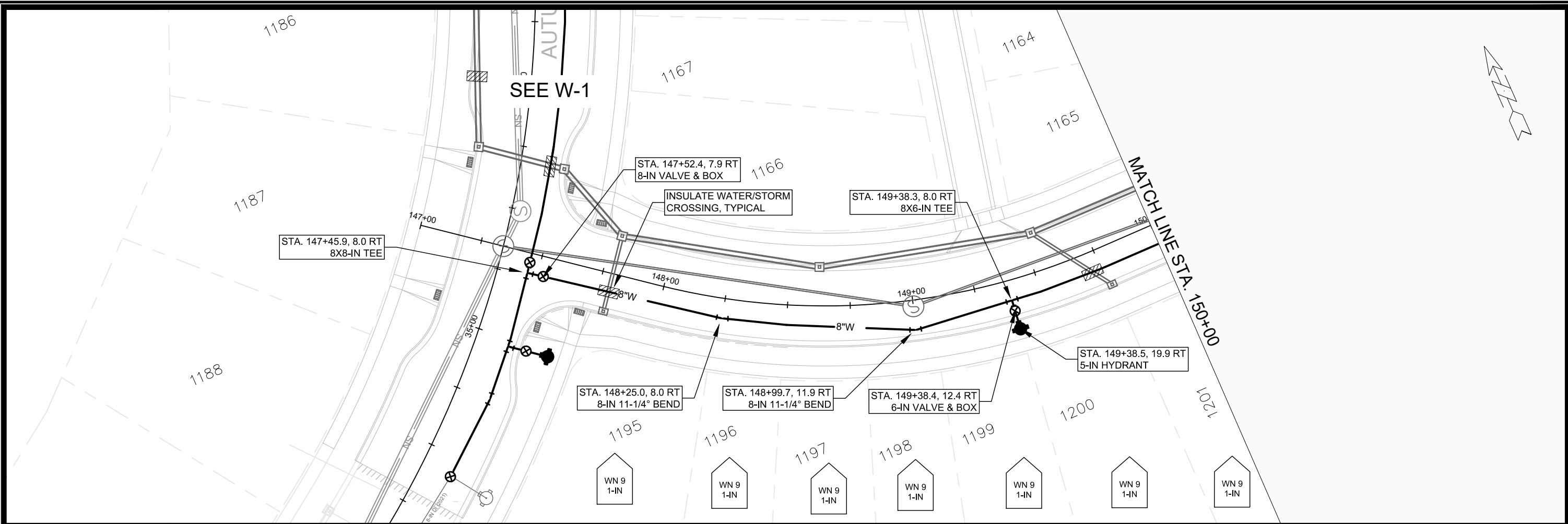
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 DESIGNED BY: KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/27/22

CONTRACT NO: 9098

VILLAGE AT AUTUMN LAKE - PHASE 12
 WATER PLAN & PROFILE AUTUMN LAKE PKWY
 CITY OF MADISON, WISCONSIN



13856
 W-1

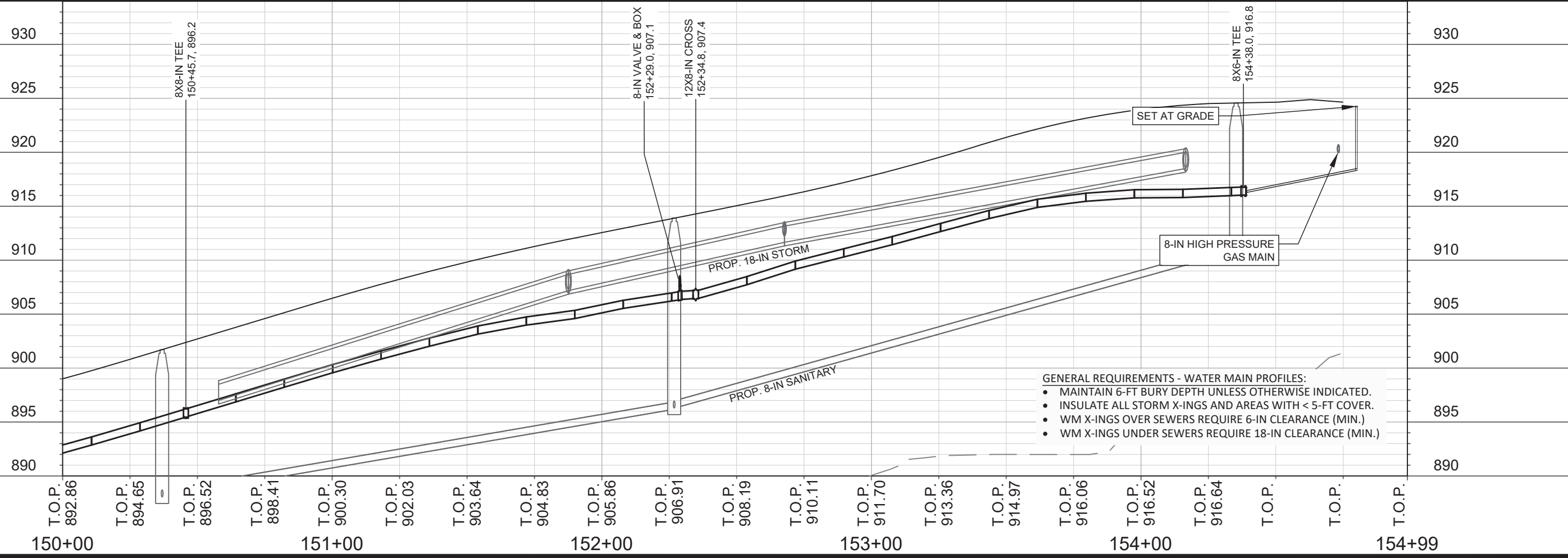
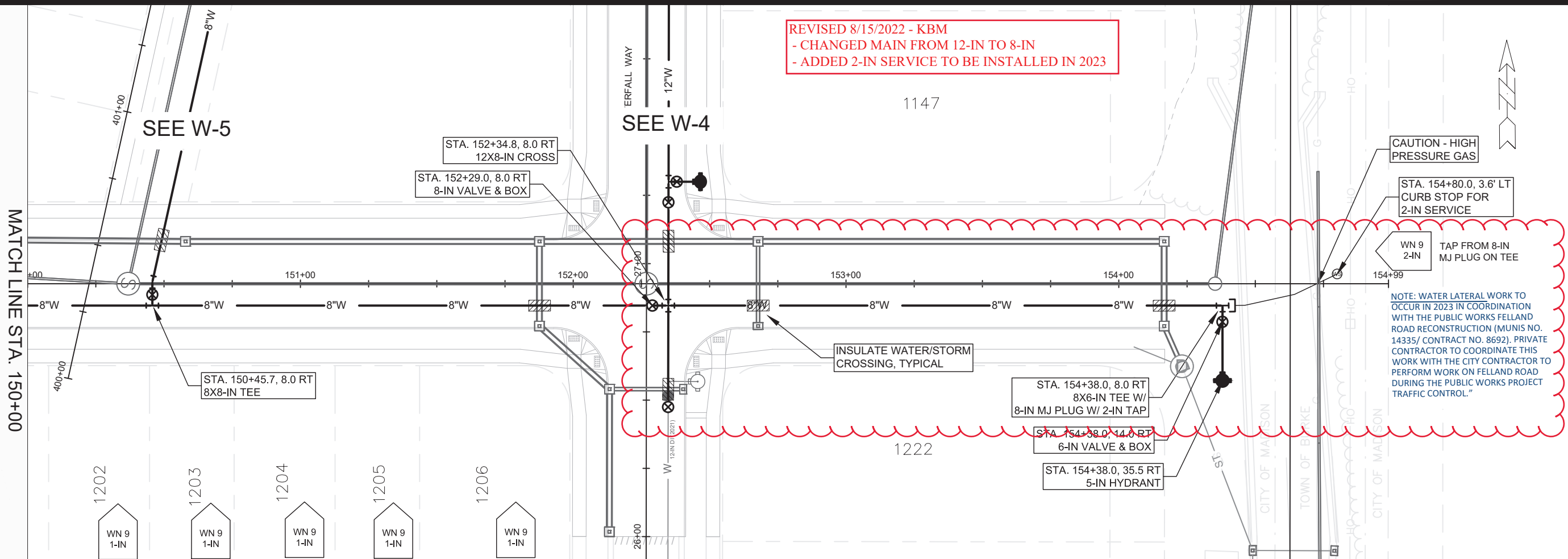


VILLAGE AT AUTUMN LAKE - PHASE 12
WATER PLAN & PROFILE
CITY OF MADISON, WISCONSIN

SANCTUARY DRIVE
 CONTRACT NO: 9098

13856
 W-2

SCALE: 1" = 40'
 DESIGNED BY: KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/27/22



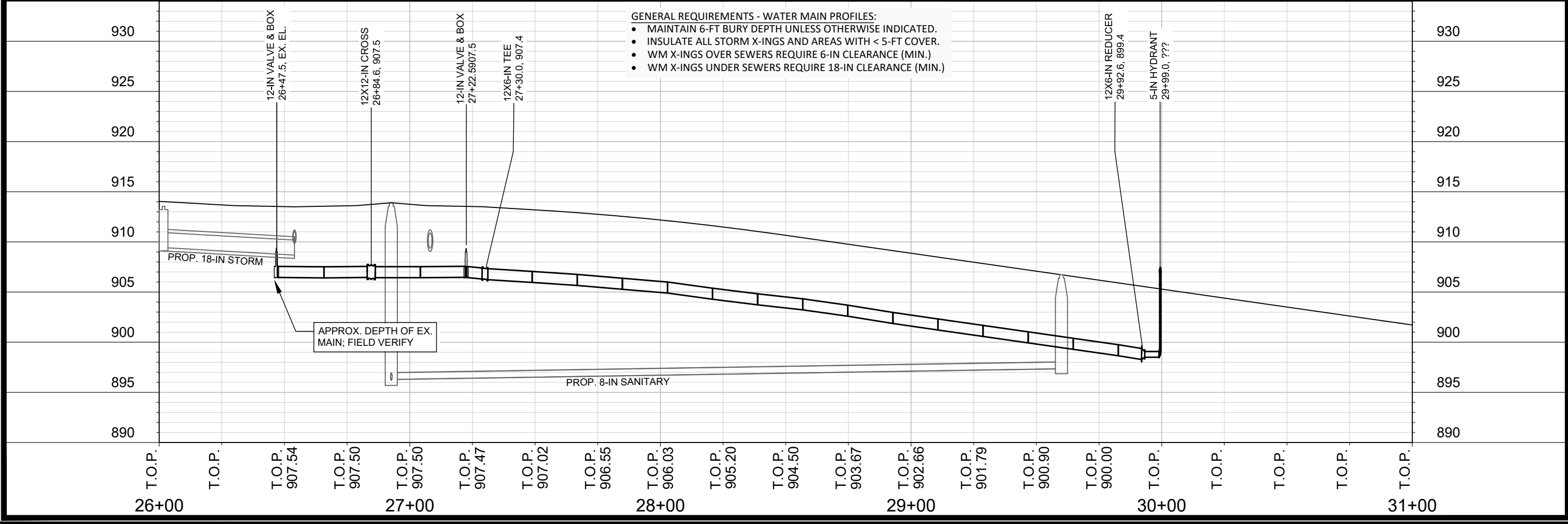
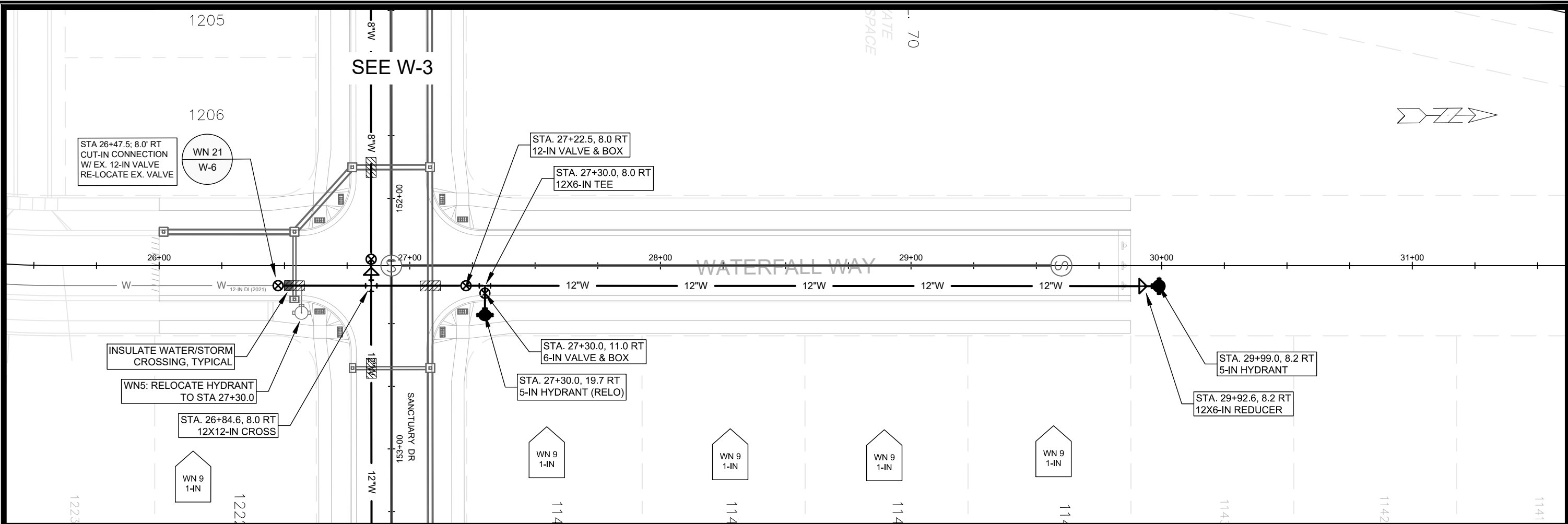
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 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 8/15/22

CONTRACT NO: 9098

VILLAGE AT AUTUMN LAKE - PHASE 12
 WATER PLAN & PROFILE SANCTUARY DRIVE
 CITY OF MADISON, WISCONSIN



13856
 W-3



- 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.)

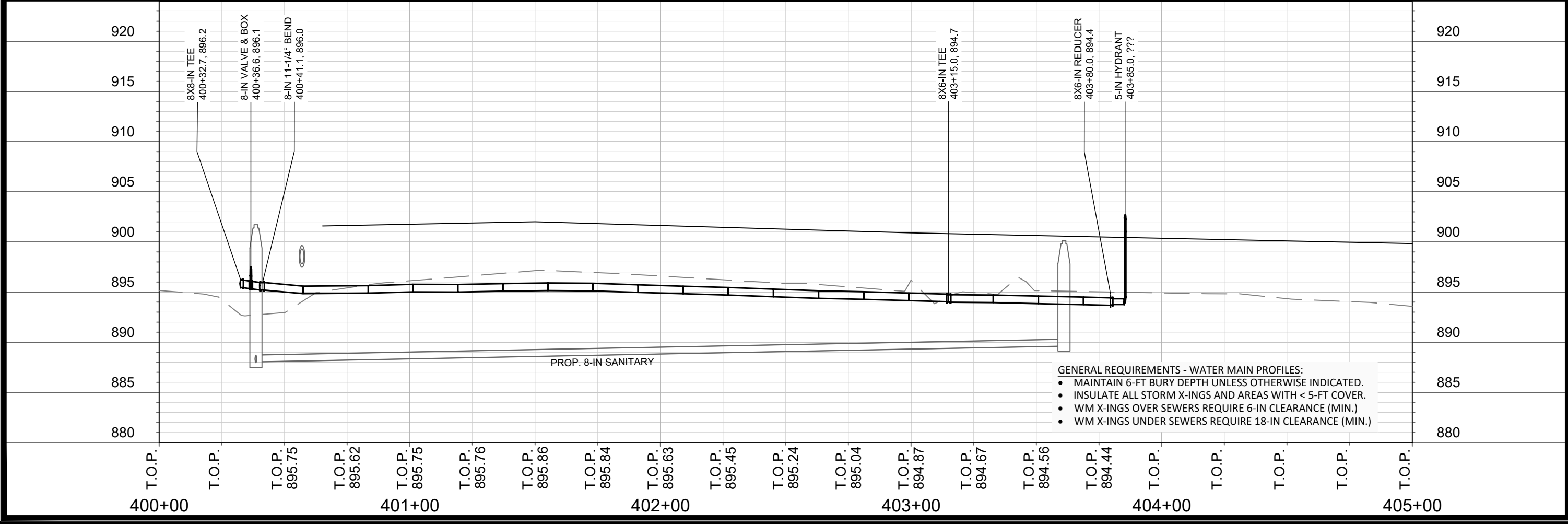
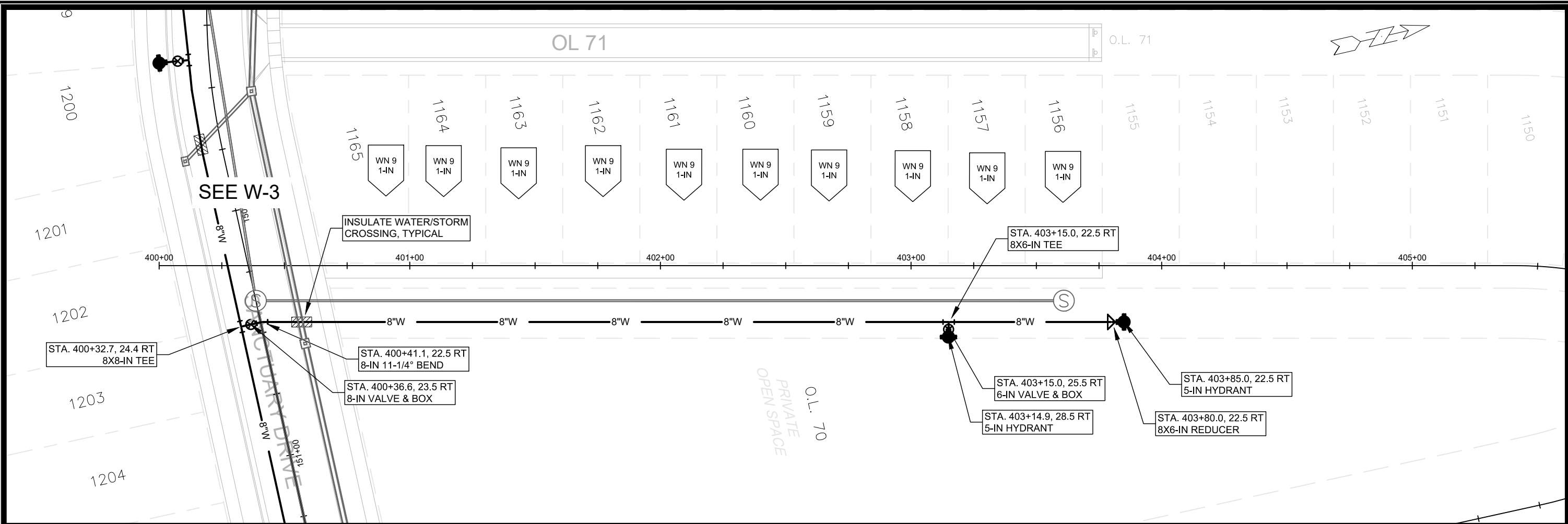
SCALE: 1" = 40'
 DESIGNED BY: KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/27/22

CONTRACT NO: 9098

VILLAGE AT AUTUMN LAKE - PHASE 12
 WATER PLAN & PROFILE WATERFALL WAY
 CITY OF MADISON, WISCONSIN



13856
 W-4

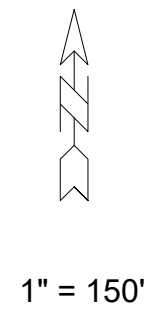
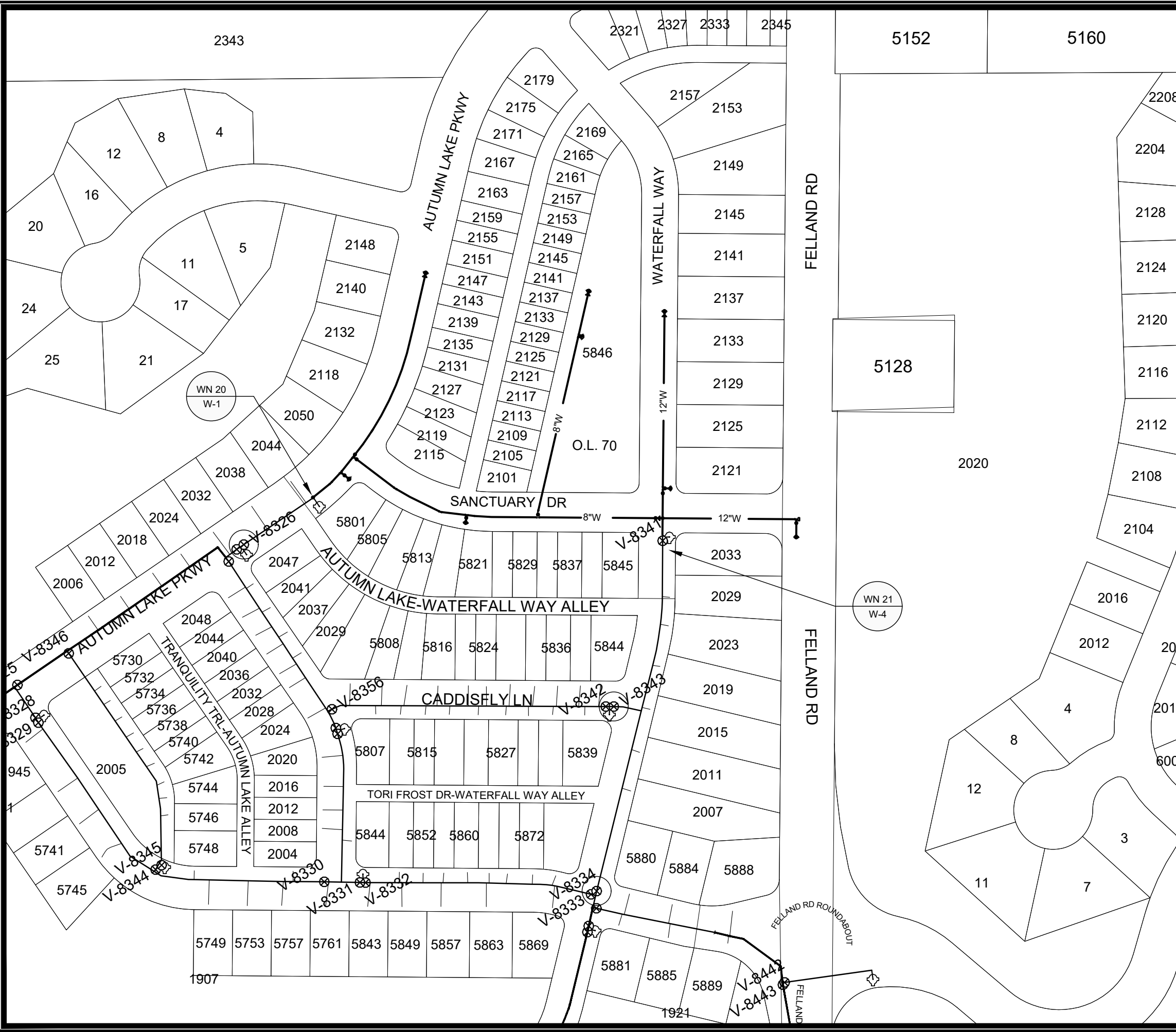


SCALE: 1" = 40'
 DESIGNED BY: KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/27/22

CONTRACT NO: 9098

VILLAGE AT AUTUMN LAKE - PHASE 12
 WATER PLAN & PROFILE OUTLOT 70 EASEMENT
 CITY OF MADISON, WISCONSIN

13856
 W-5



WN20: CUT-IN CONNECTION
AUTUMN LAKE PKWY AT SANCTUARY DR

ISOLATION VALVES:
- V-8326 (8-IN)

WN21: CUT-IN CONNECTION
WATERFALL WY AT SANCTUARY DR

ISOLATION VALVES:
- V-8343 (8-IN)
- V-8334 (12-IN)

NOTE:
- RELOCATE V-8341 (12-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: 1" = 150'
DESIGNED BY: KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 03/XX/22

CONTRACT NO: 9098

VILLAGE AT AUTUMN LAKE PHASE 12
WATER IMPACT PLAN
CITY OF MADISON, WISCONSIN



13856
W-6

M:\DESIGN\PROJECTS\13856\CAD\WATER\13856_WA\WATERIMPACT\PLAN.DWG

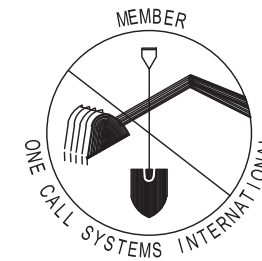
CONSTRUCTION NOTES:

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR 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. 4. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK. | <p>WN1 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> |
|---|---|

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.



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.

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

PAY ITEM ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6 INCH PIPE & FITTINGS	90	LNFT
70003	FURNISH AND INSTALL 8 INCH PIPE & FITTINGS	1520	LNFT
70005	FURNISH AND INSTALL 12 INCH PIPE & FITTINGS	365	LNFT
70031	FURNISH AND INSTALL 6 INCH WATER VALVE	5	EACH
70032	FURNISH AND INSTALL 8 INCH WATER VALVE	5	EACH
70034	FURNISH AND INSTALL 12 INCH WATER VALVE	2	EACH
70040	FURNISH INSTALL AND SALVAGE HYDRANT	6	EACH
70050	FURNISH AND INSTALL 1 INCH SERVICE LATERALS	39	EACH
70052	FURNISH AND INSTALL 2 INCH SERVICE LATERALS	1	EACH
71048	12X8 IN CROSS	1	EACH
71147	8 IN 1 1/4" BEND	4	EACH
71159	8X6 IN REDUCER	2	EACH
71164	12X6 IN REDUCER	1	EACH
71210	8X6 IN TEE	4	EACH
71211	8X8 IN TEE	2	EACH
71217	12X6 IN TEE	1	EACH
7XXXX	8 IN MJ PLUG TAPPED WITH 2-IN CORPORATION STOP	1	EACH

***ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:**

N/A

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

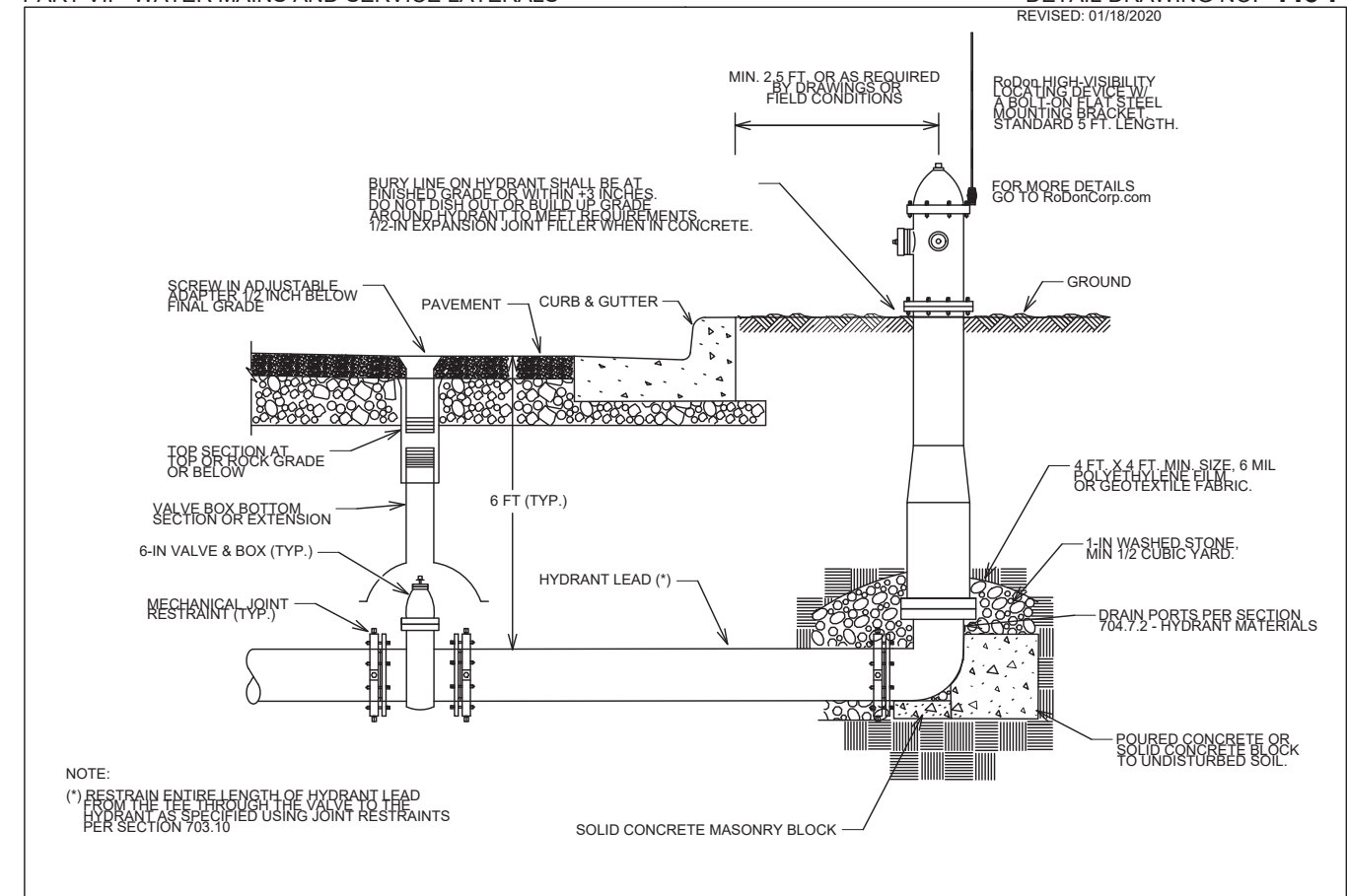
12 IN WATER VALVE	1	EACH
HYDRANT	2	EACH

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

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 01/18/2020



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

VILLAGE AT AUTUMN LAKE PHASE 12
WATER ESTIMATE OF MATERIALS
CITY OF MADISON, WISCONSIN

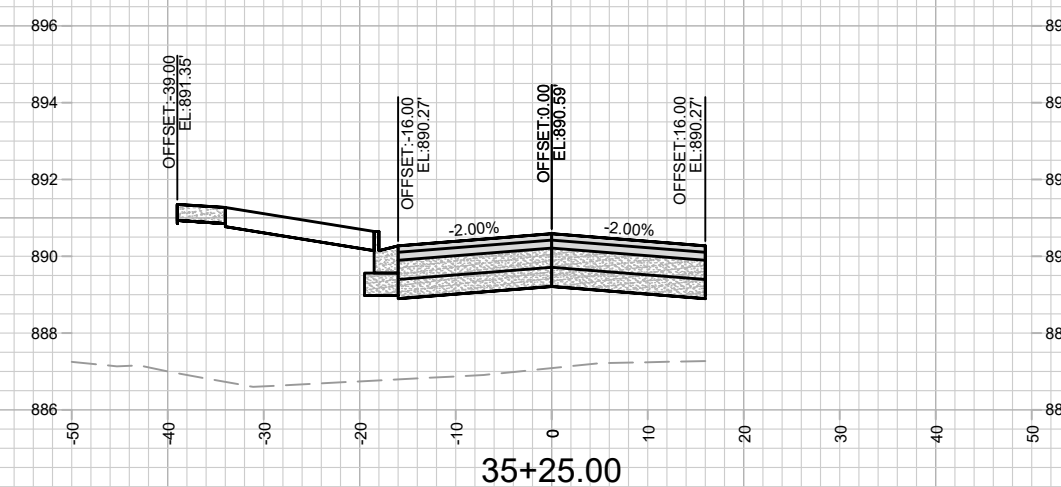
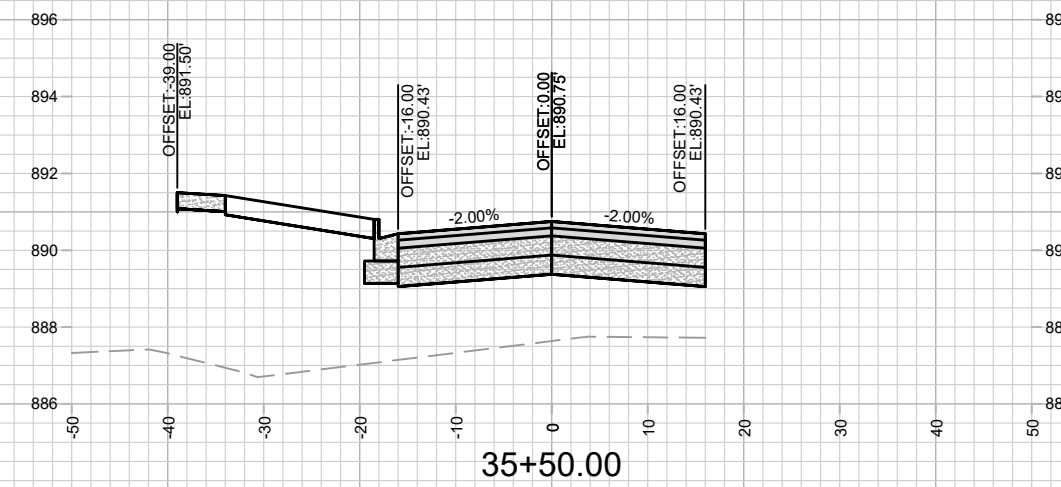
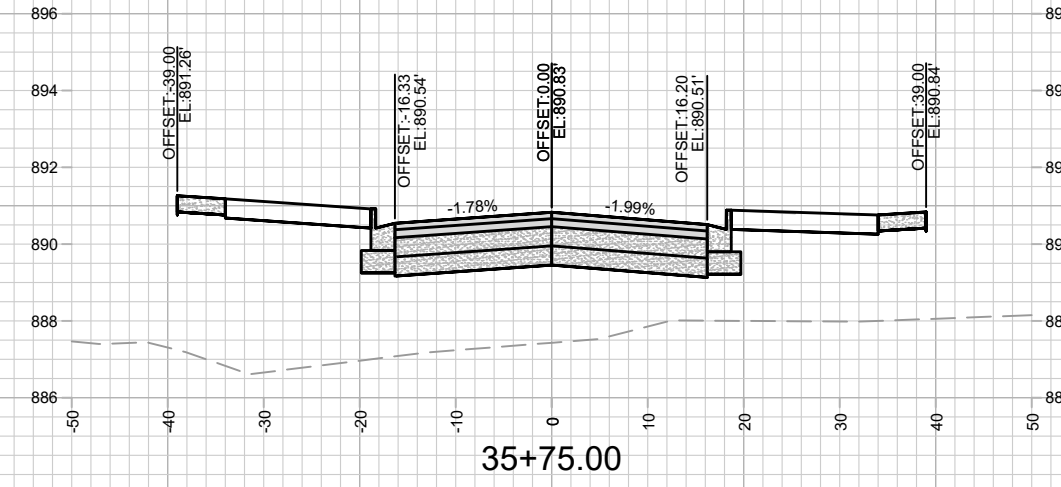
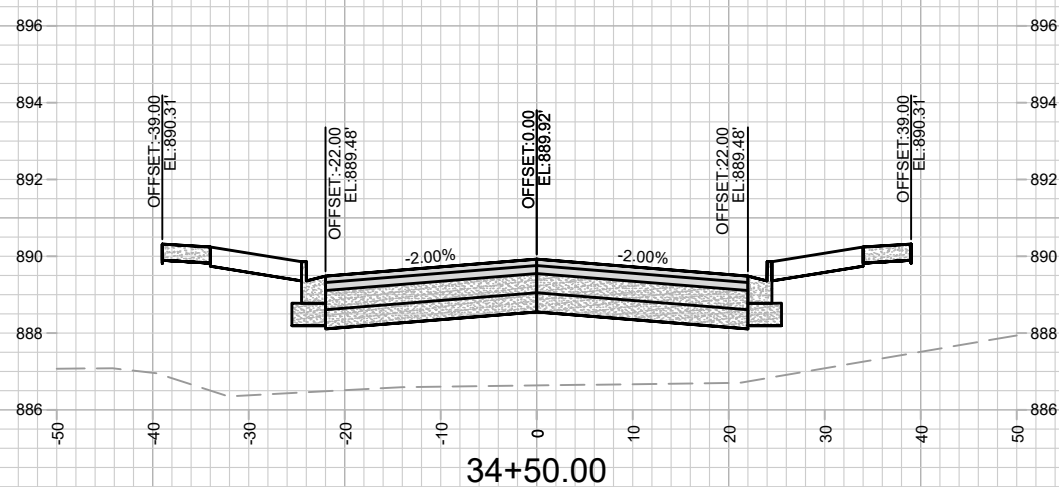
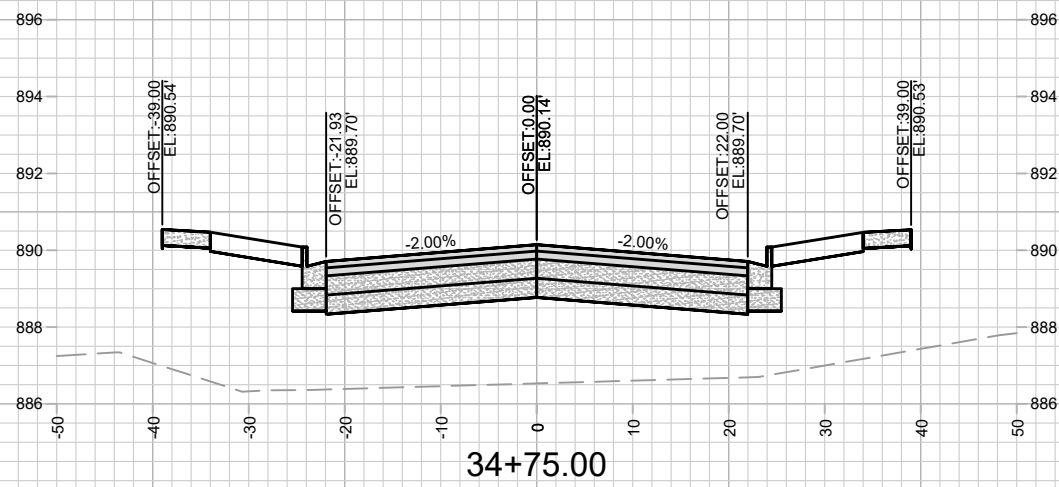
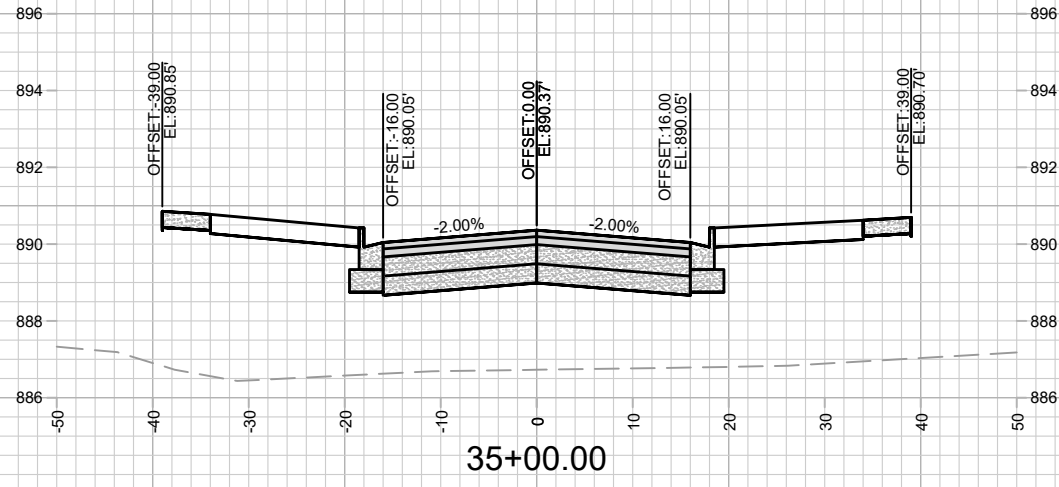


13856

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DESIGNED BY: KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE:

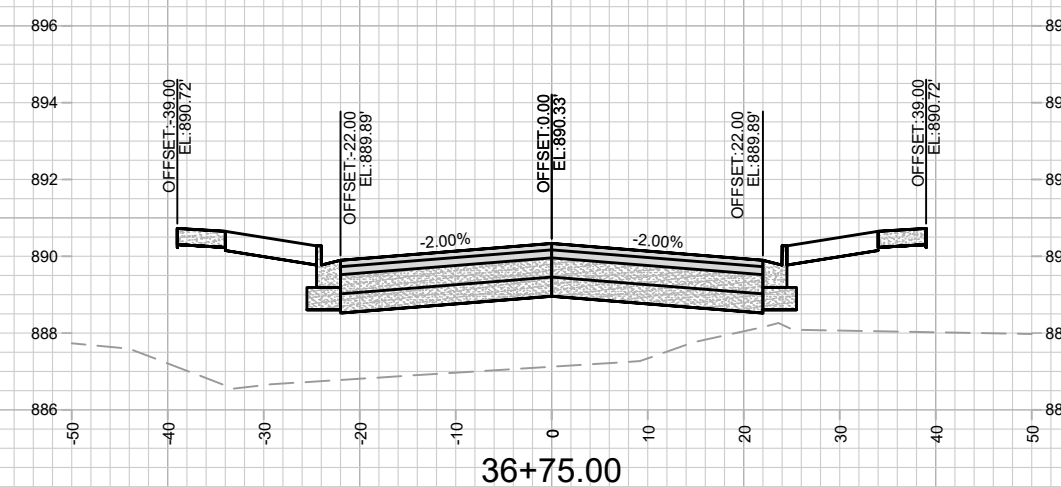
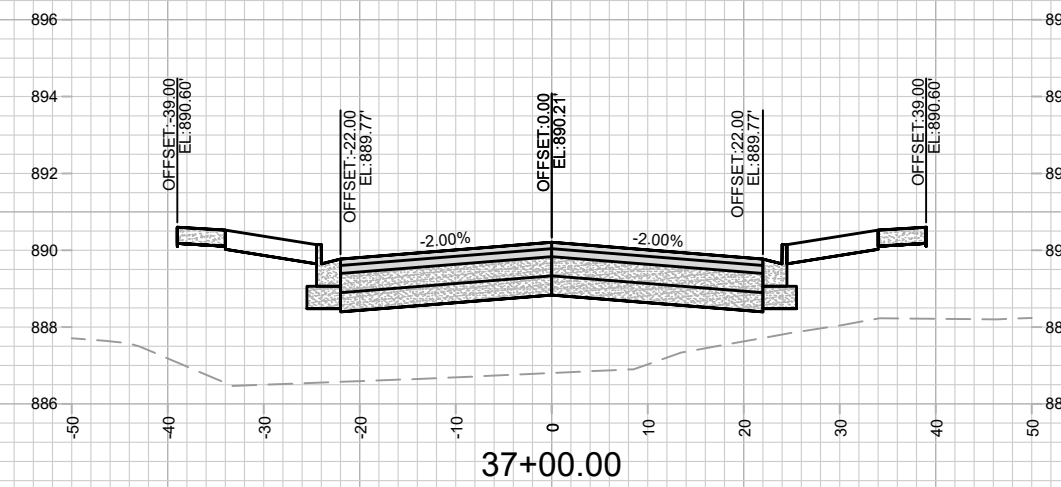
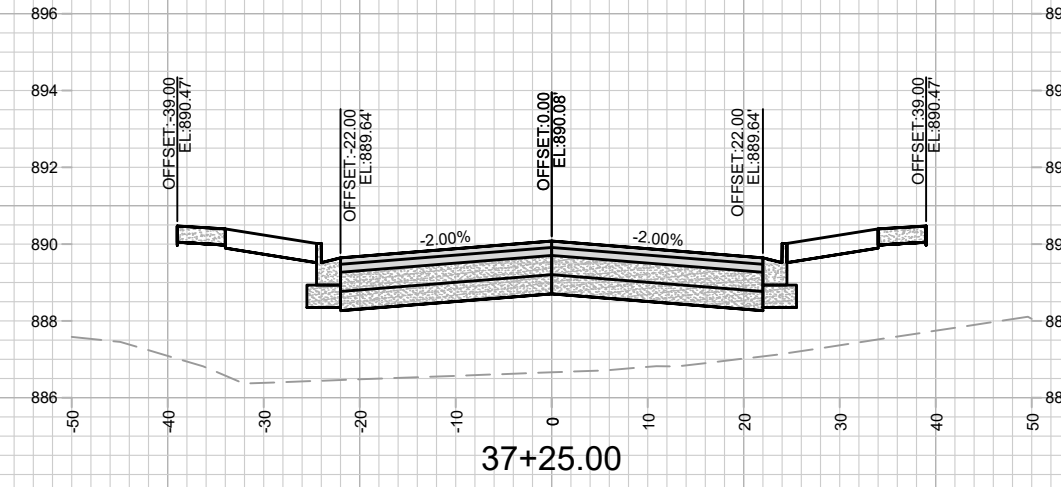
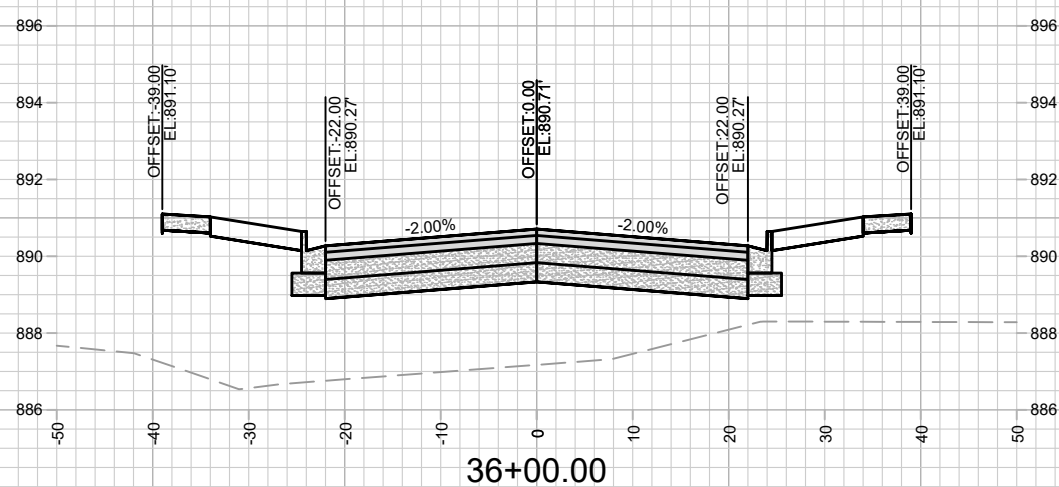
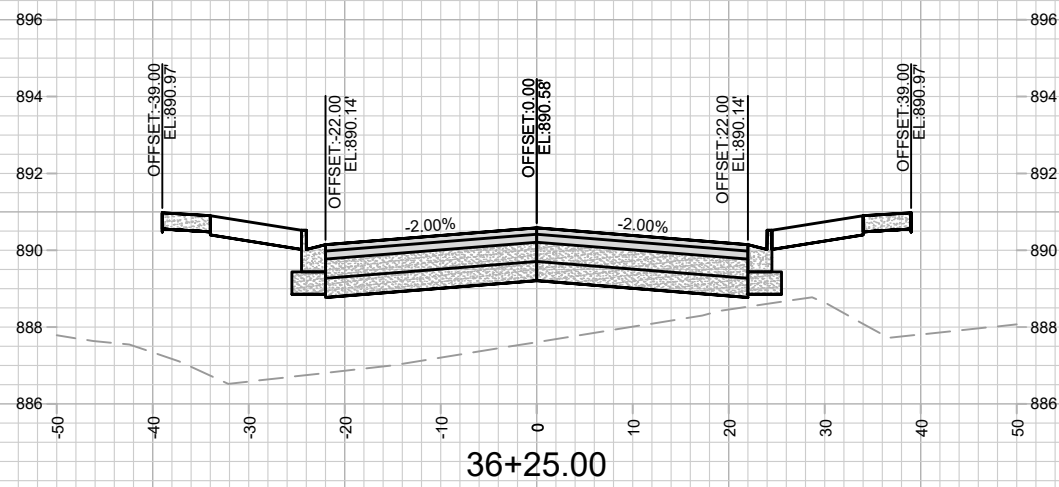
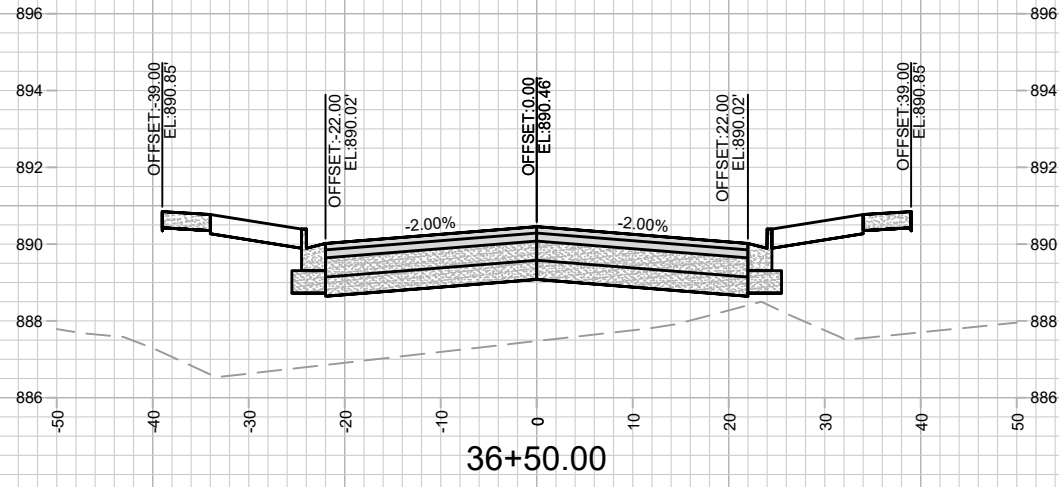
CONTRACT NO: 9098



MARK	REVISION	DATE	BY

Designed By: LMC Date: 6/29/2022 11:50 AM Scale: ##### X-1

13856
 MADISON, WI
 VILLAGE AT AUTUMN LAKE - PHASE 12
 CONTRACT NO: 9098
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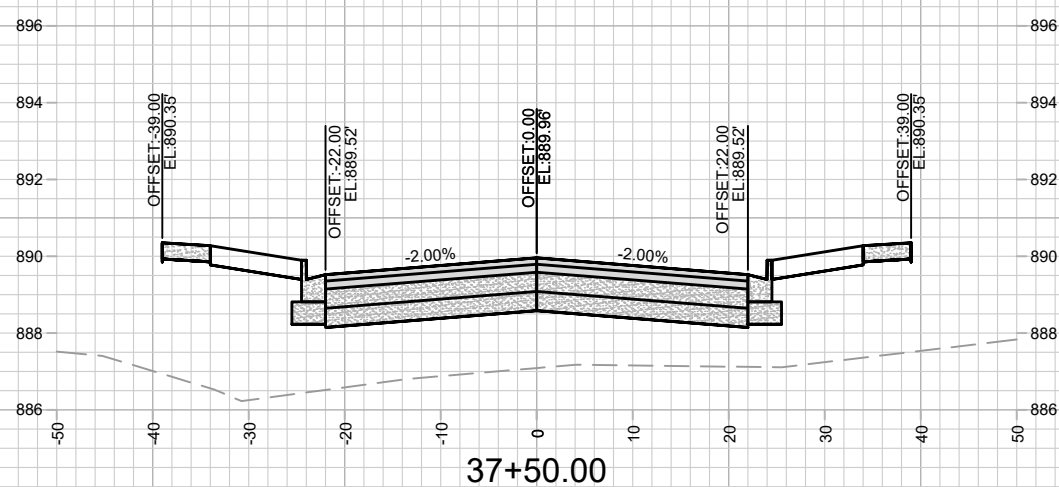
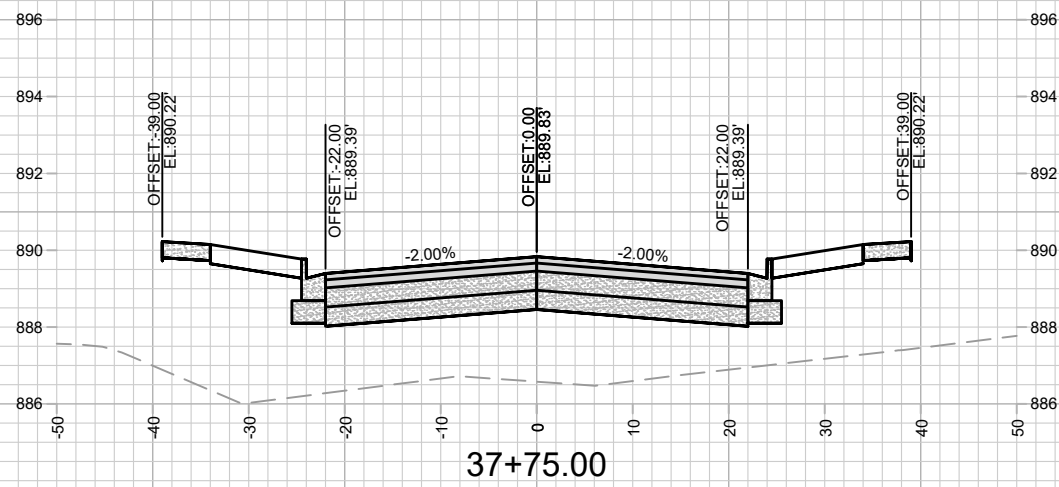
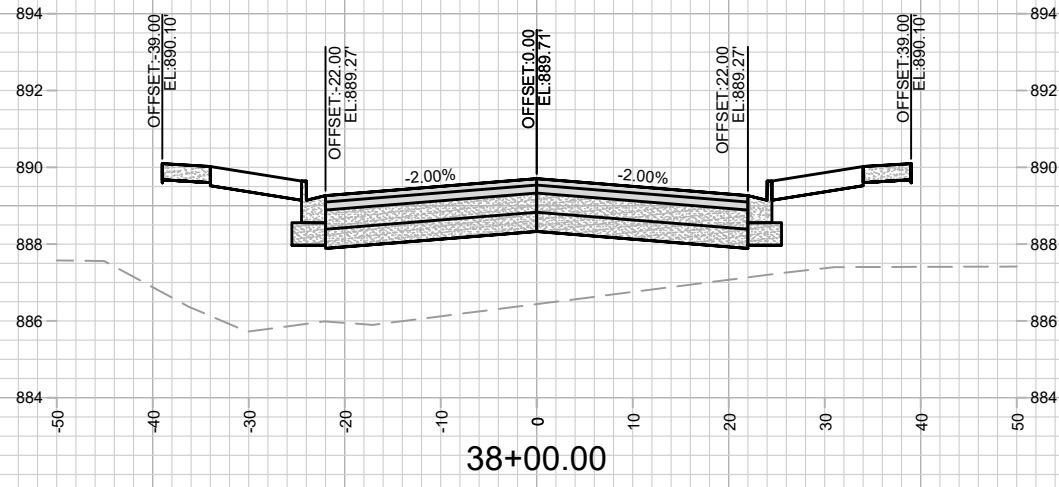
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MADISON, WI
9098
CONTRACT NO:

CROSS SECTION - AUTUMN LAKE PARKWAY
VILLAGE AT AUTUMN LAKE - PHASE 12
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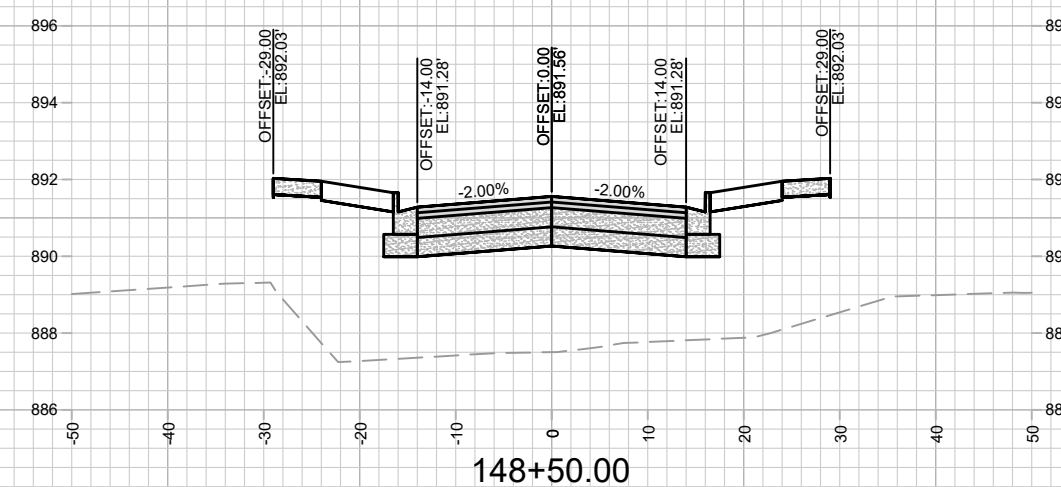
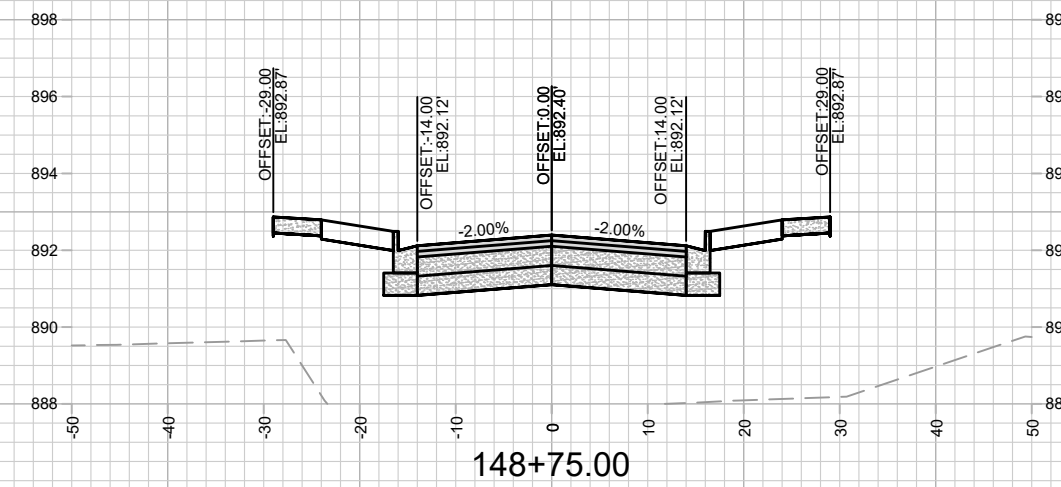
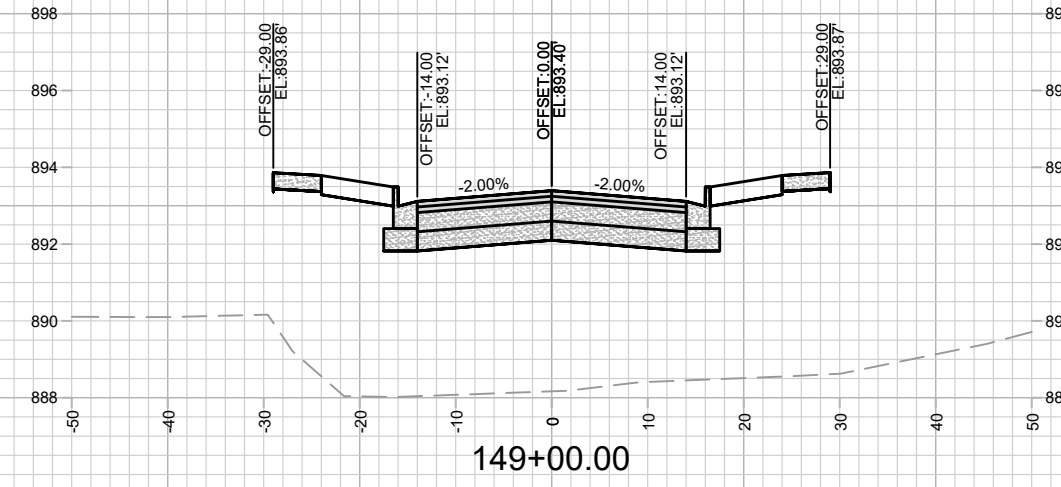
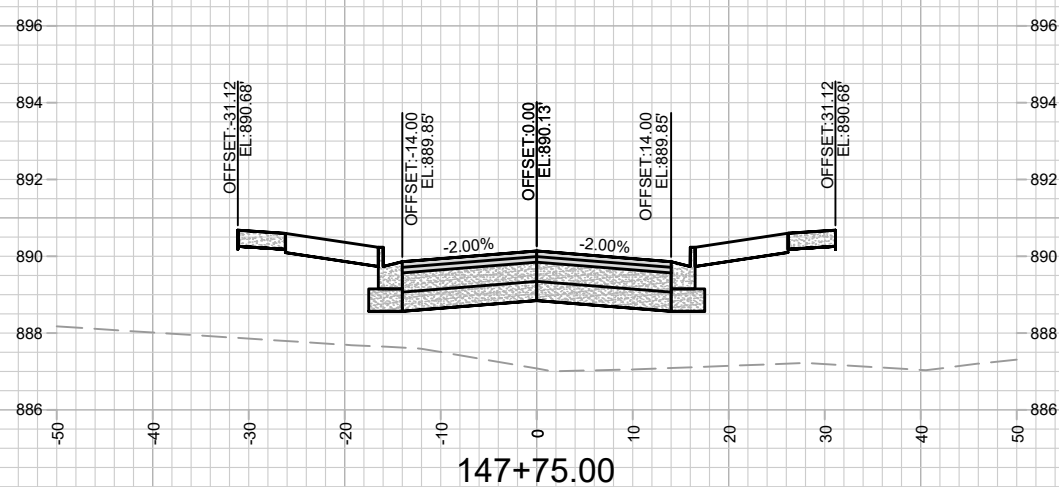
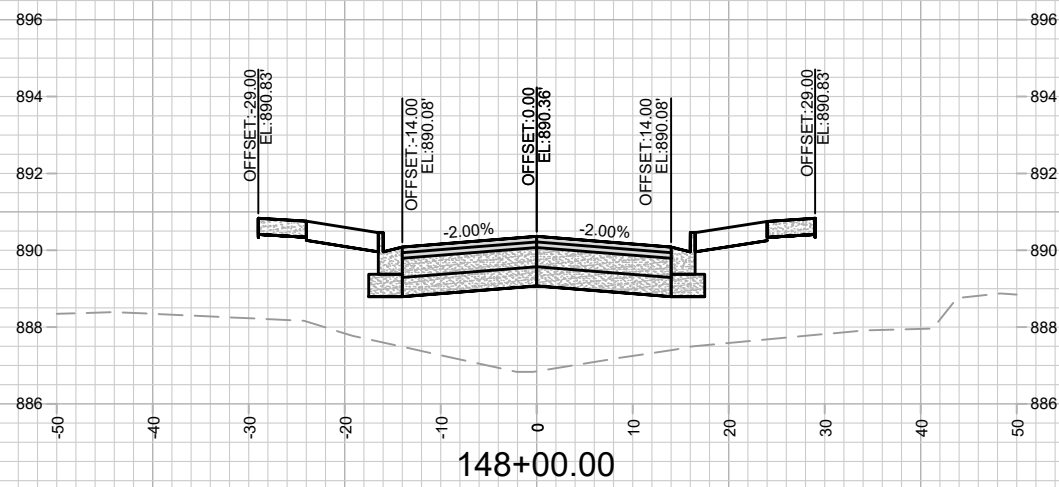
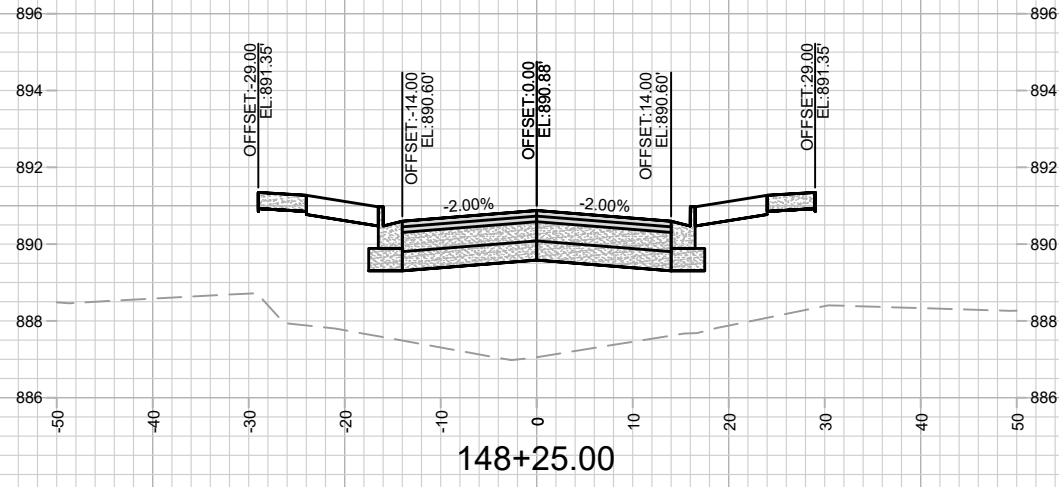
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13856
 MADISON, WI
 9098
 CONTRACT NO:
 CROSS SECTION - AUTUMN LAKE PARKWAY
 VILLAGE AT AUTUMN LAKE - PHASE 12
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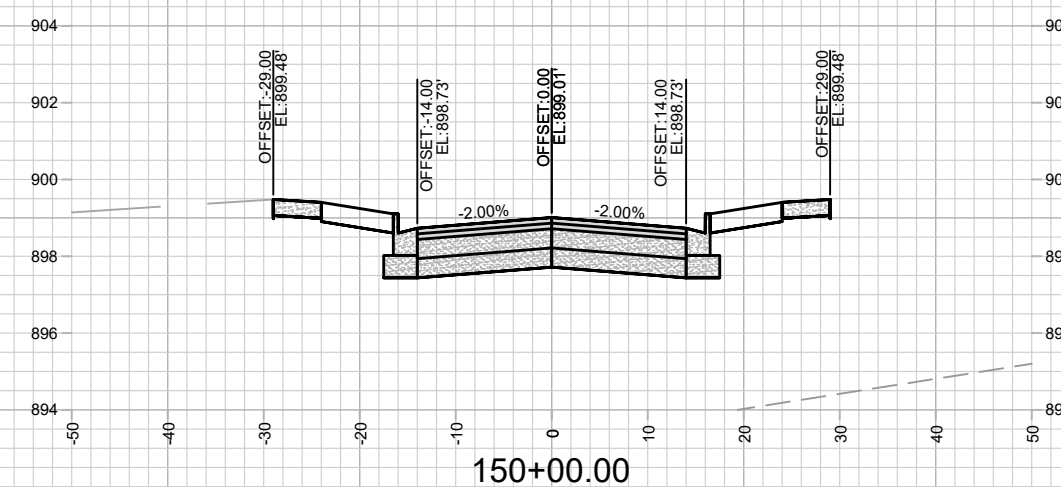
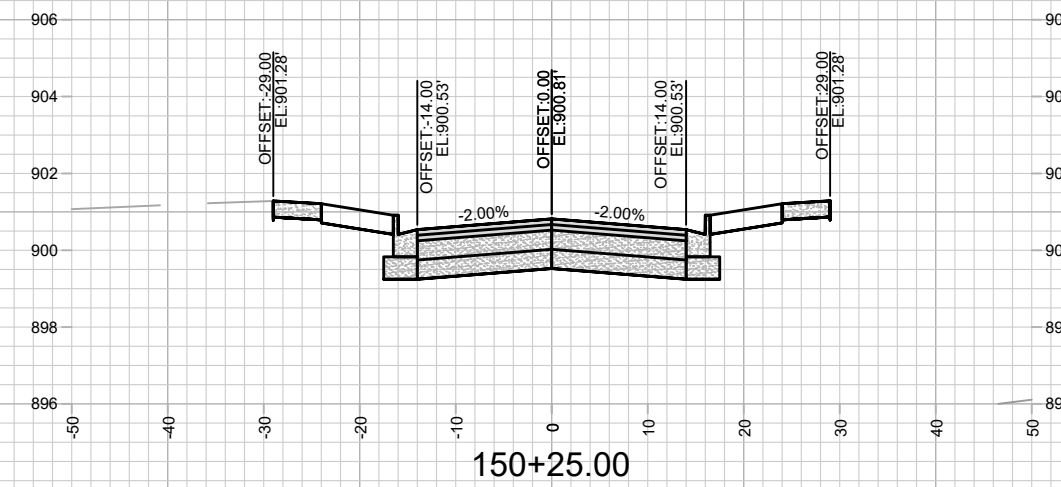
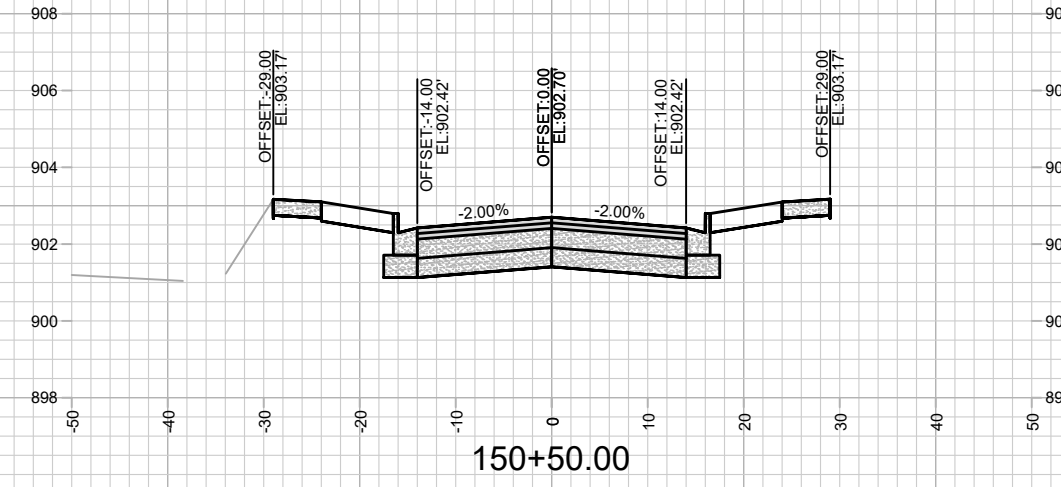
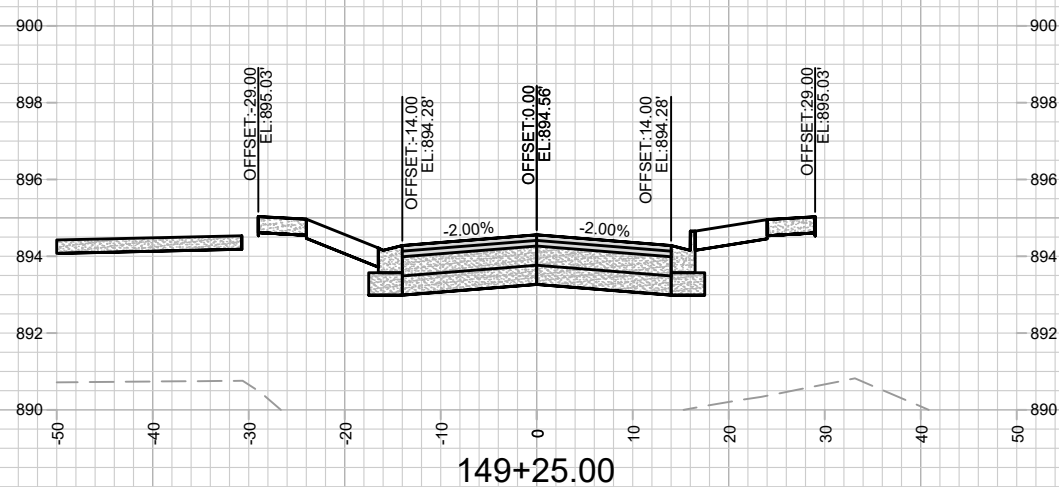
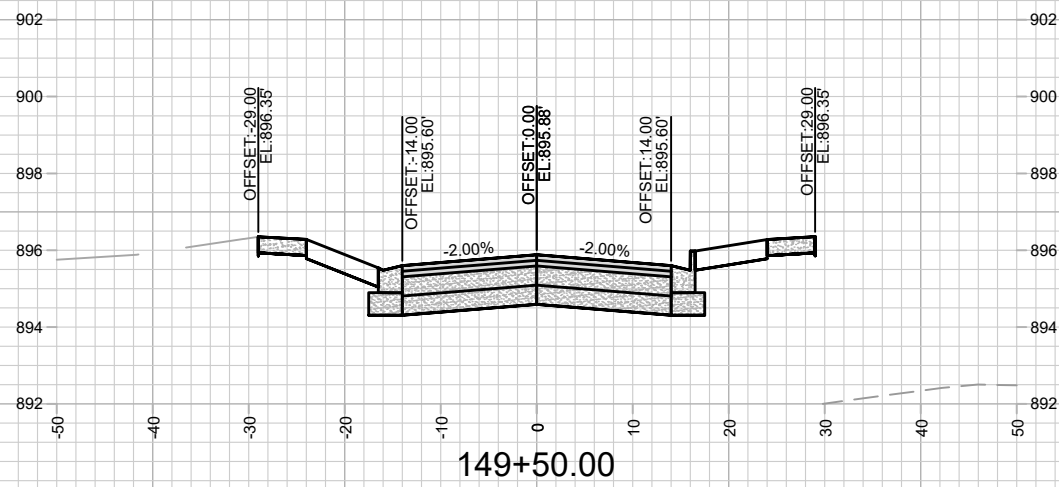
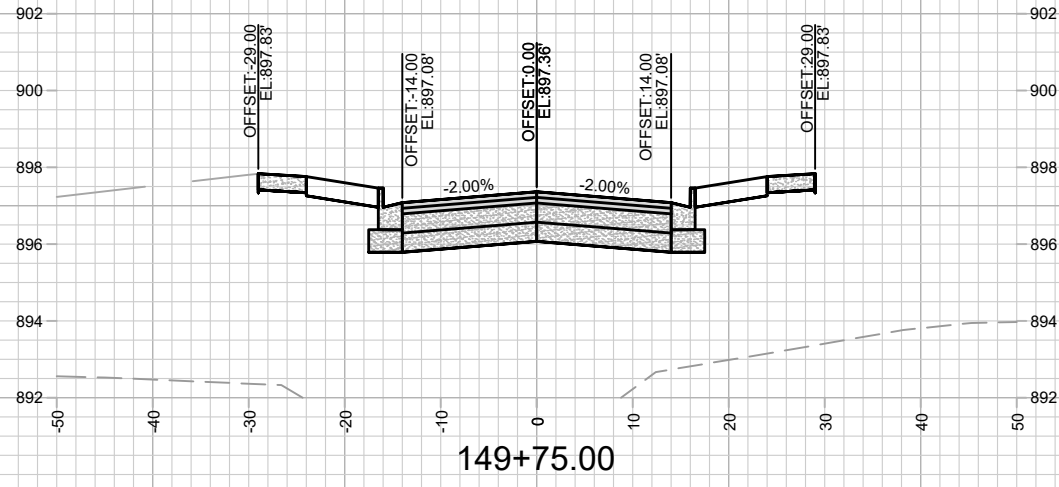
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MADISON, WI
9098
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CROSS SECTION - SANCTUARY DRIVE
VILLAGE AT AUTUMN LAKE - PHASE 12
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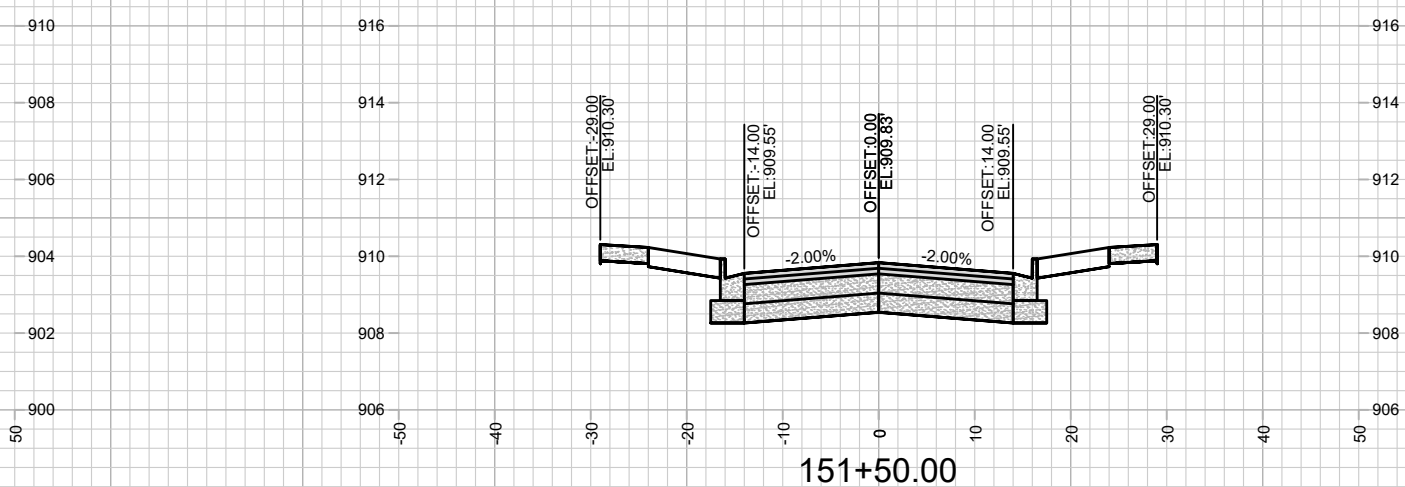
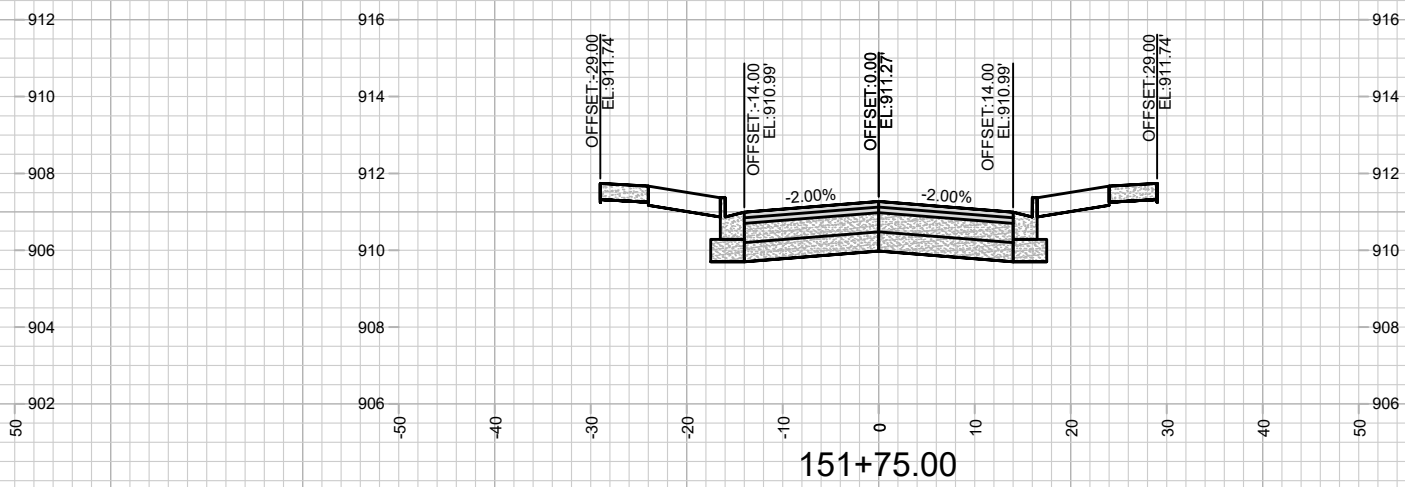
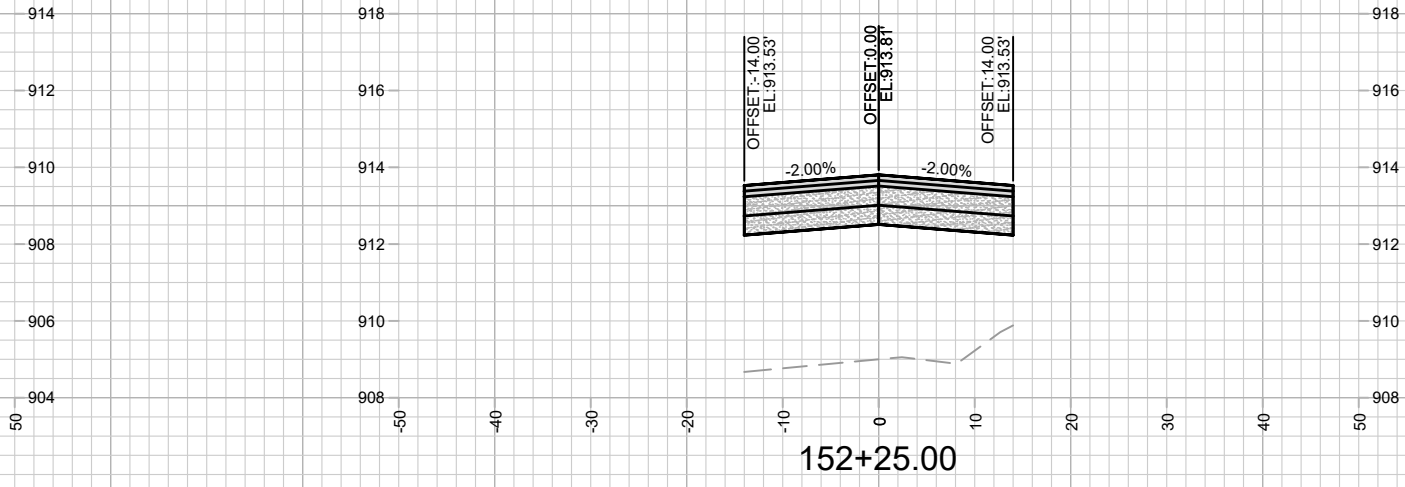
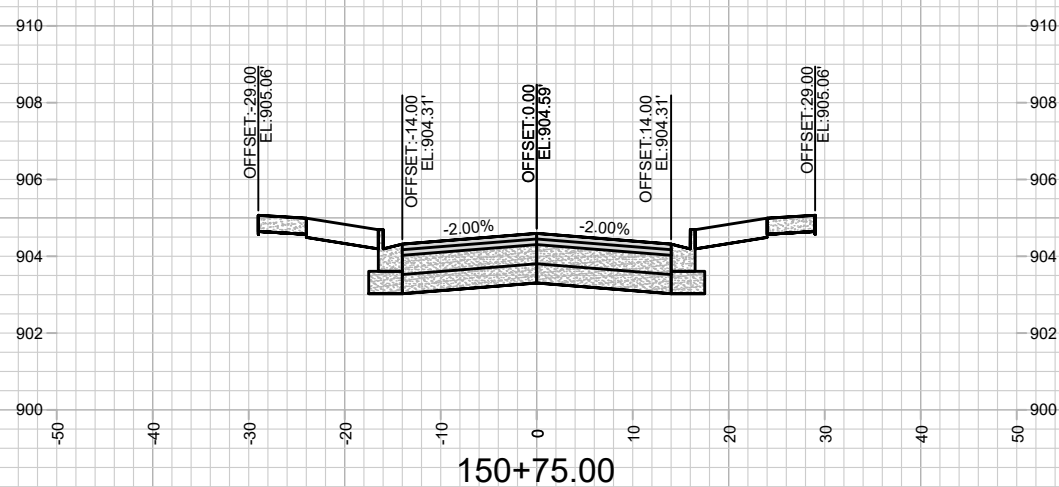
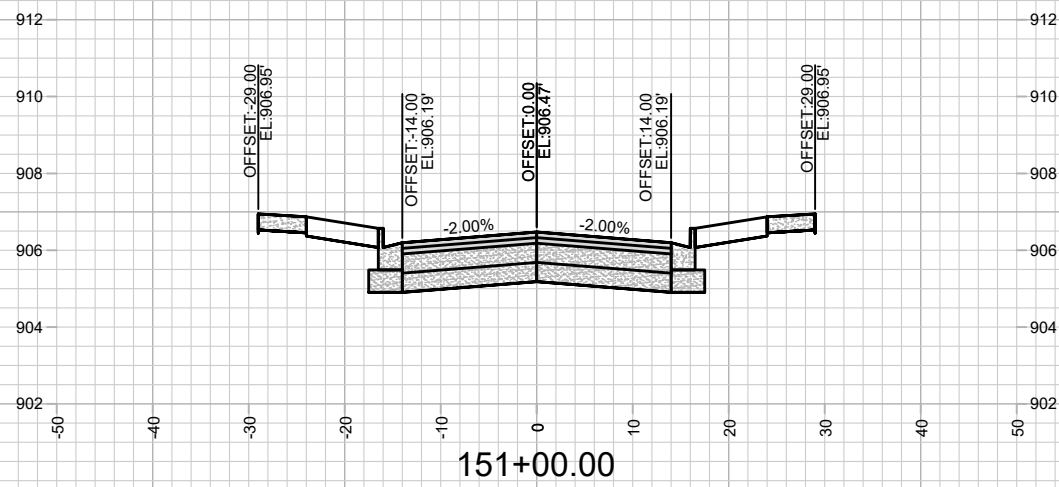
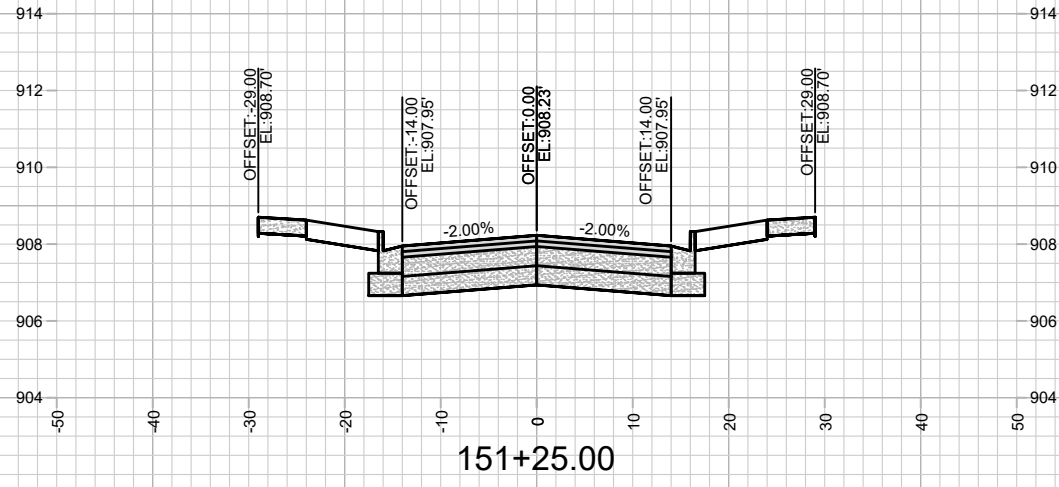
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MADISON, WI
9098
CONTRACT NO:

CROSS SECTION - SANCTUARY DRIVE
VILLAGE AT AUTUMN LAKE - PHASE 12
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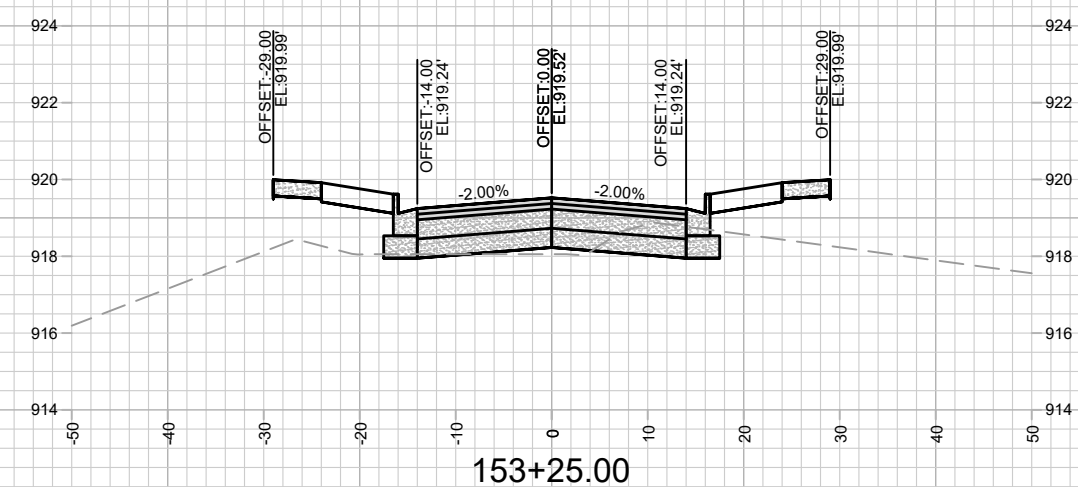
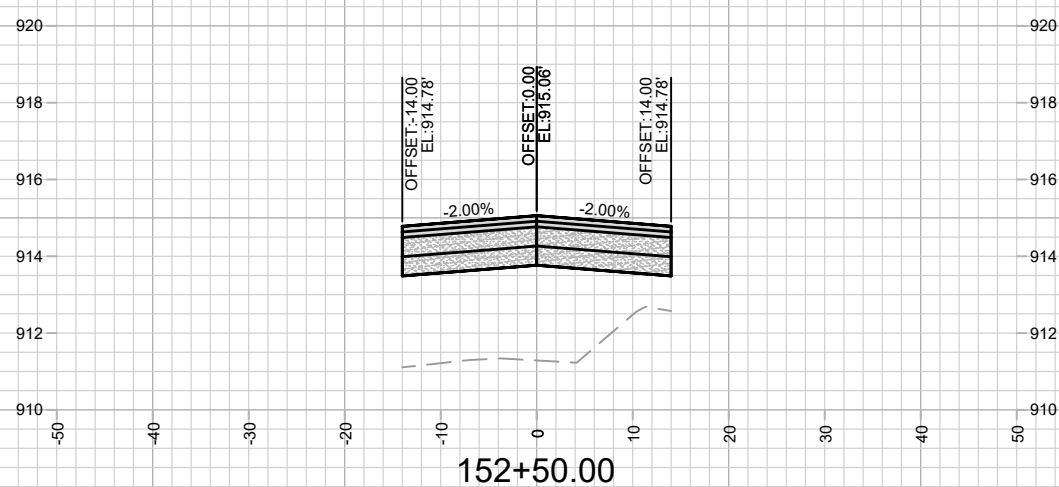
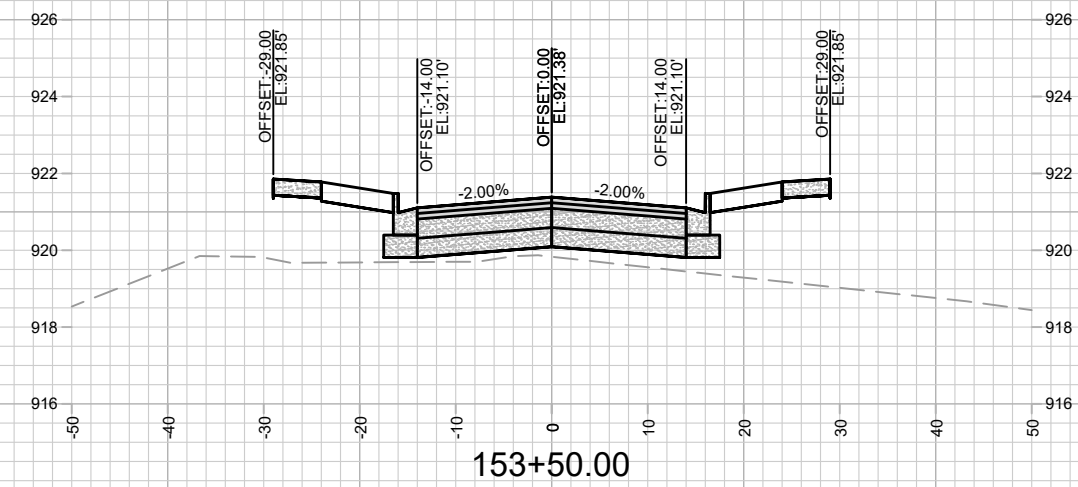
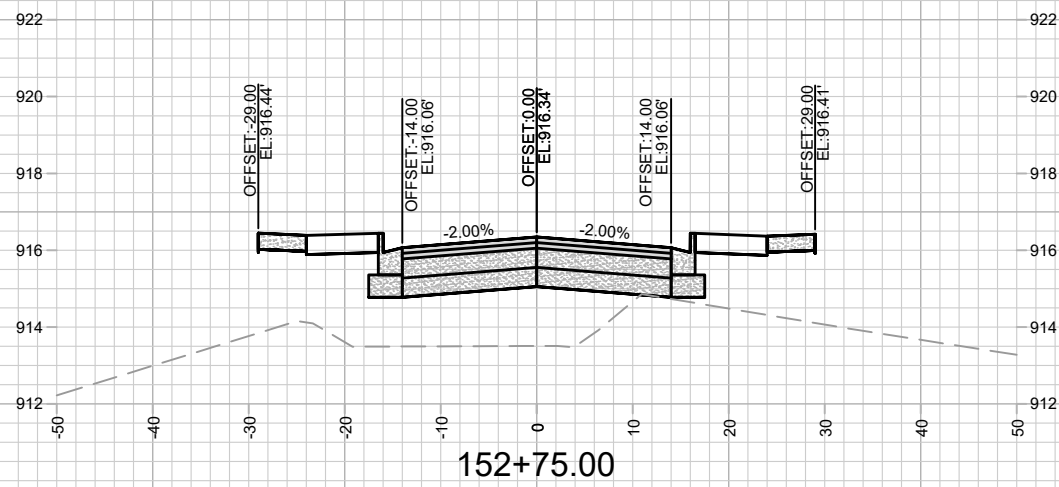
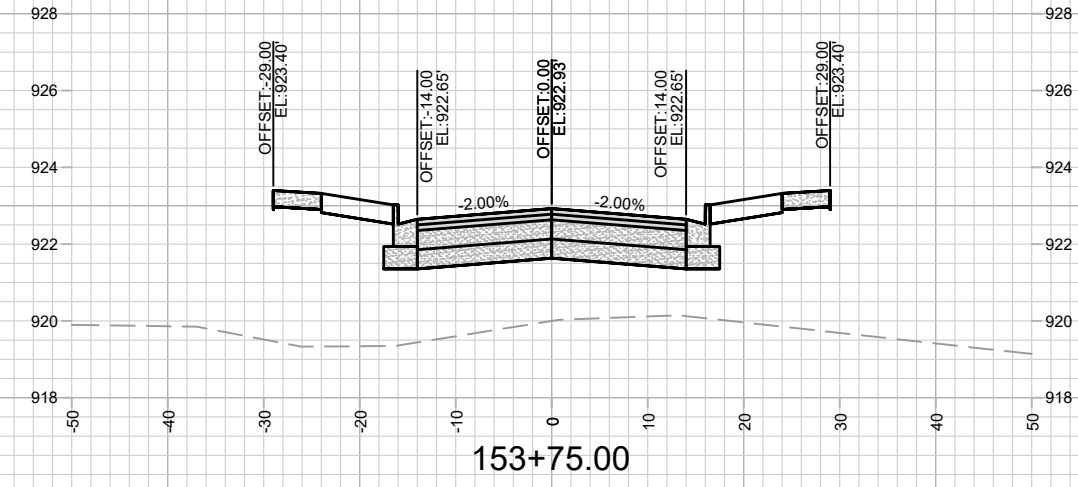
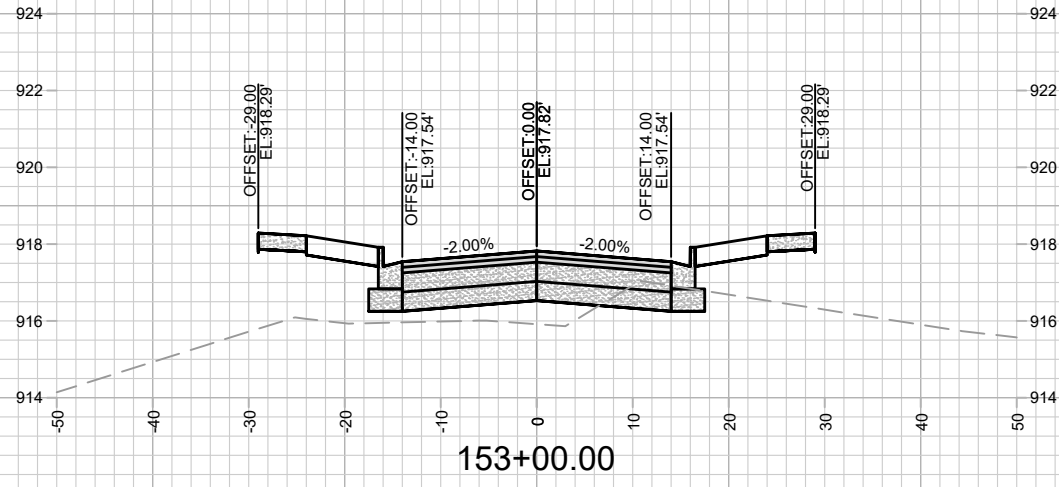
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13856
 MADISON, WI
 CONTRACT NO: 9098

CROSS SECTION - SANCTUARY DRIVE
 VILLAGE AT AUTUMN LAKE - PHASE 12
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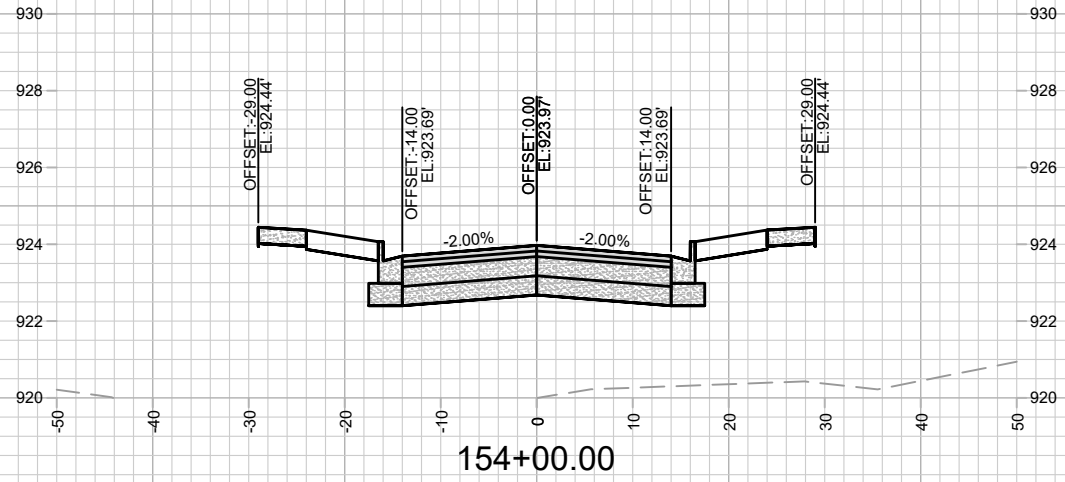


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MADISON, WI
9098
CONTRACT NO:

CROSS SECTION - SANCTUARY DRIVE
VILLAGE AT AUTUMN LAKE - PHASE 12
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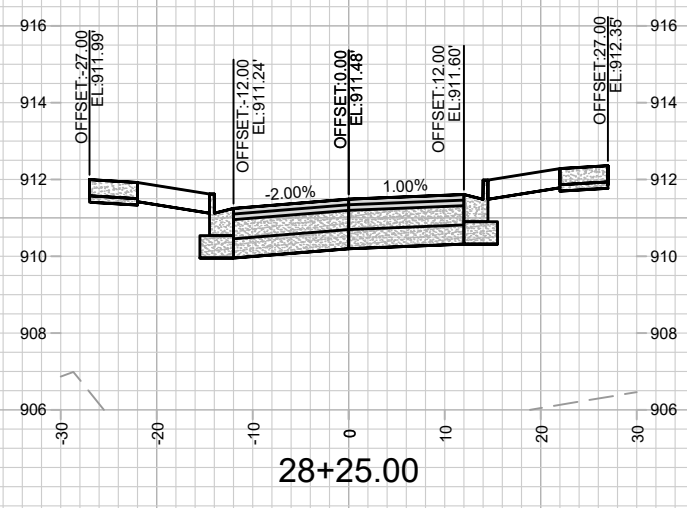
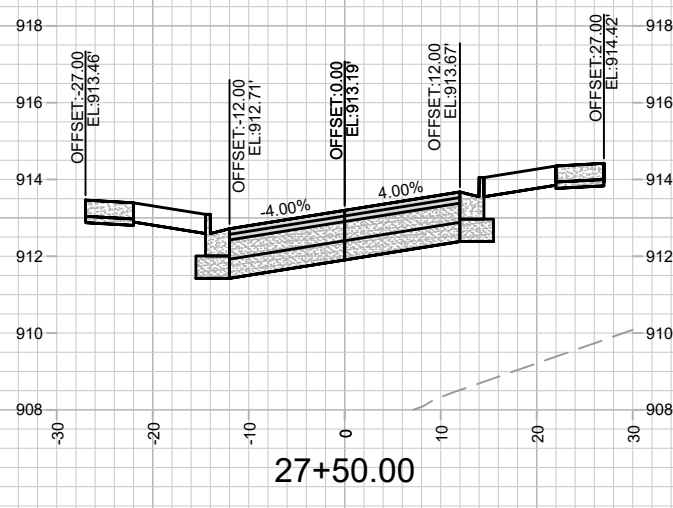
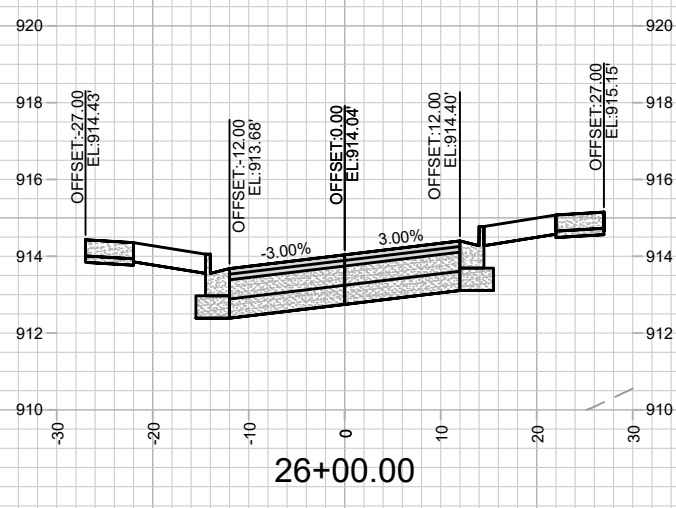
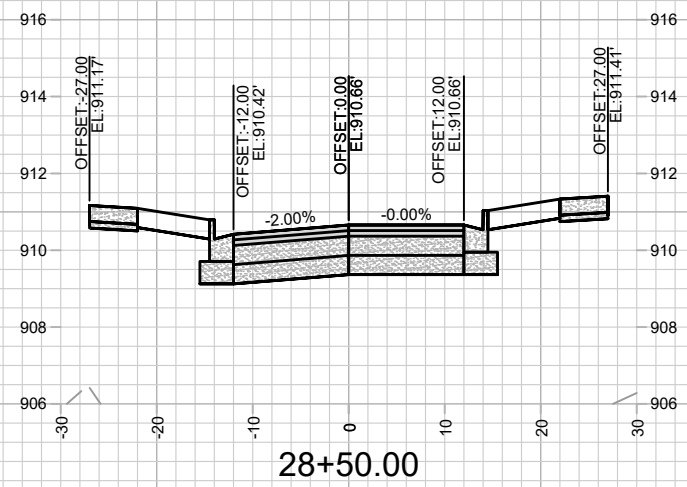
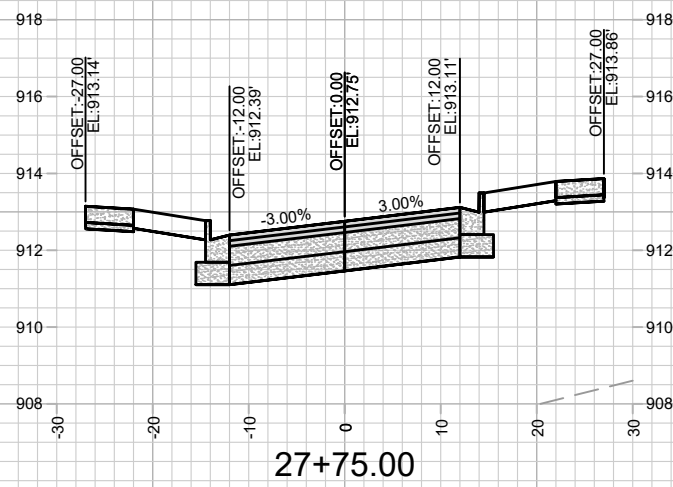
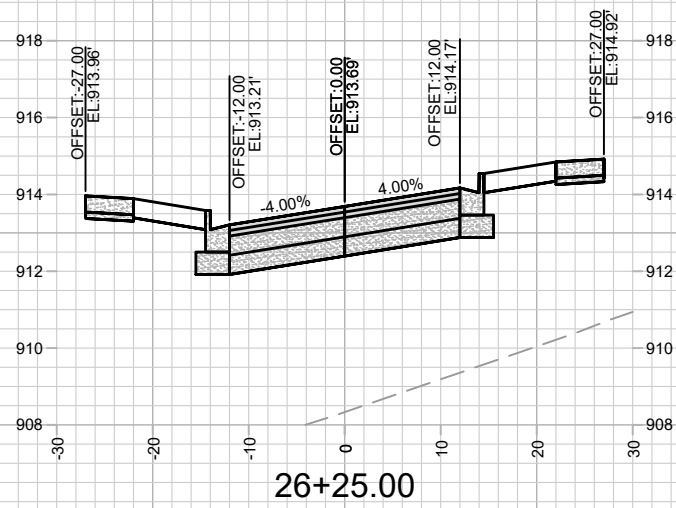
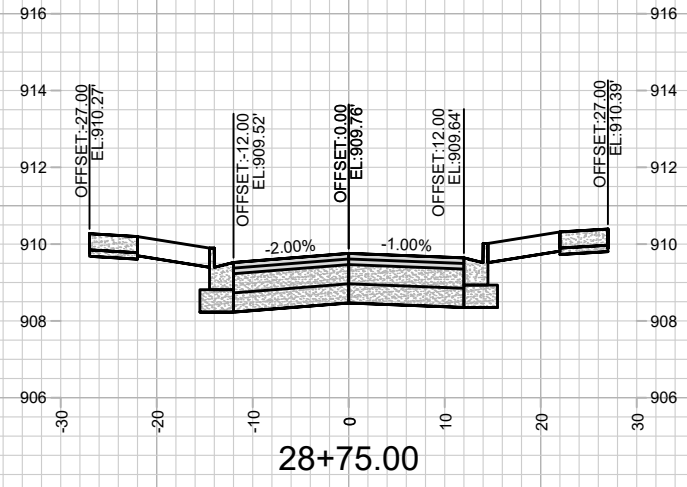
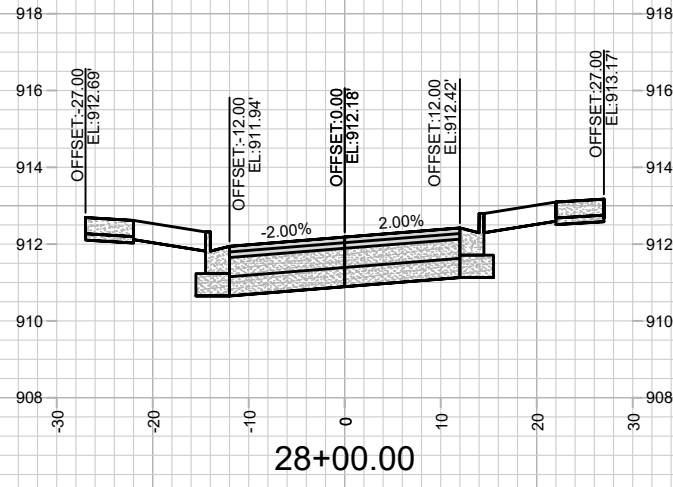
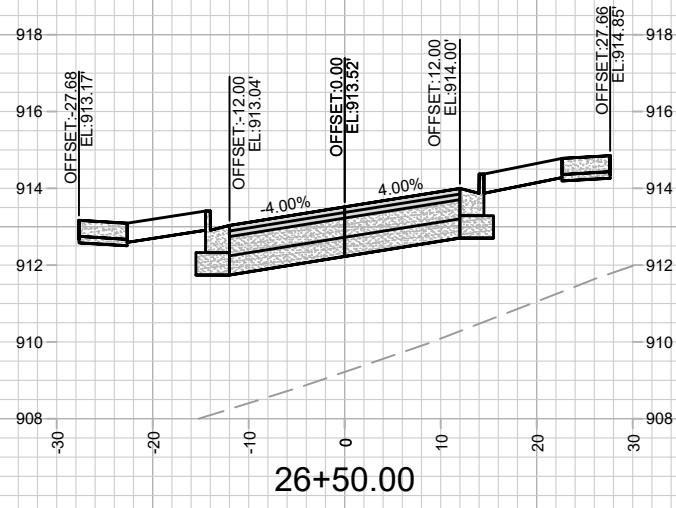


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CROSS SECTION - SANCTUARY DRIVE
VILLAGE AT AUTUMN LAKE - PHASE 12
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13856
MADISON, WI
9098
CONTRACT NO:

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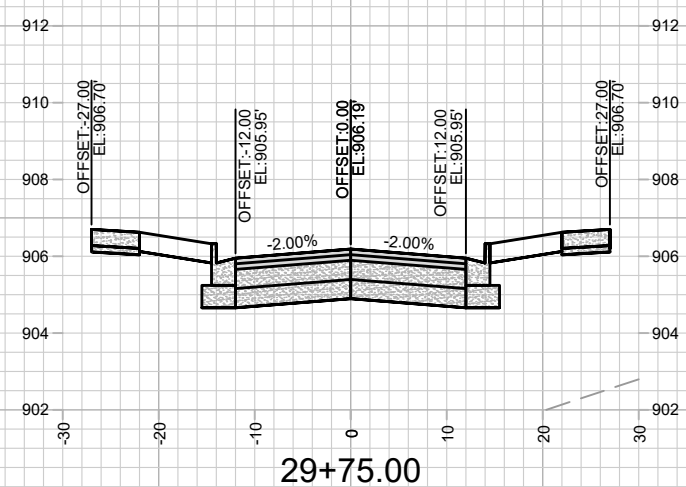
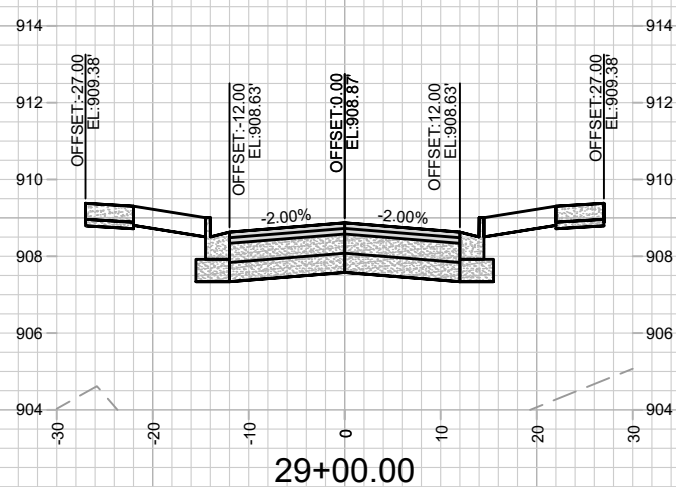
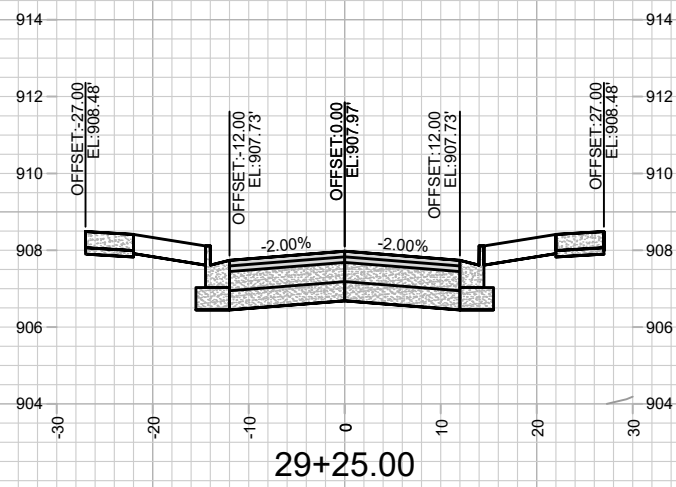
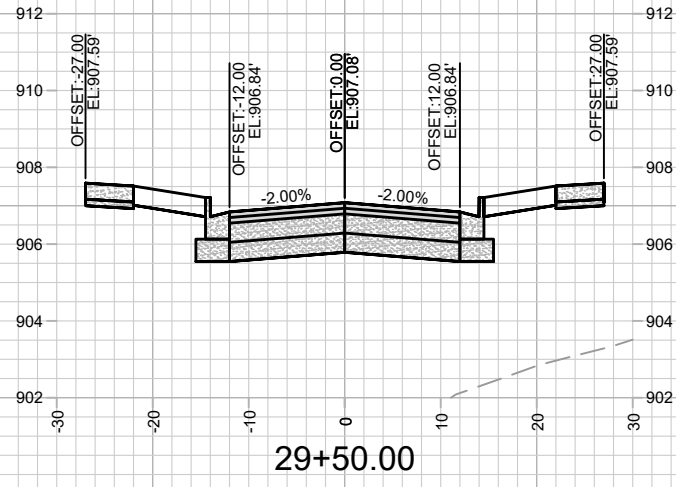


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MADISON, WI
9098
CONTRACT NO:

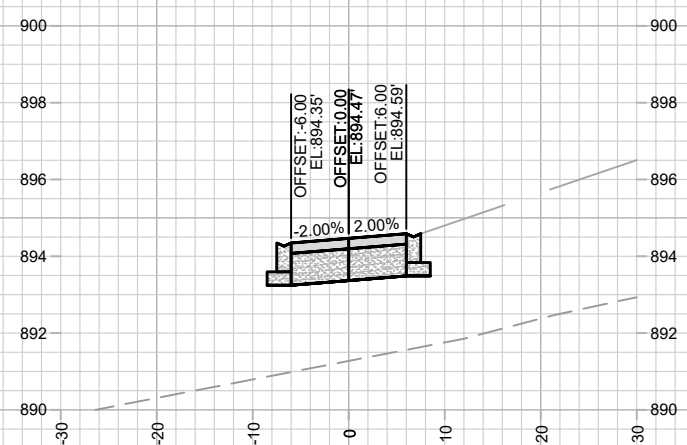
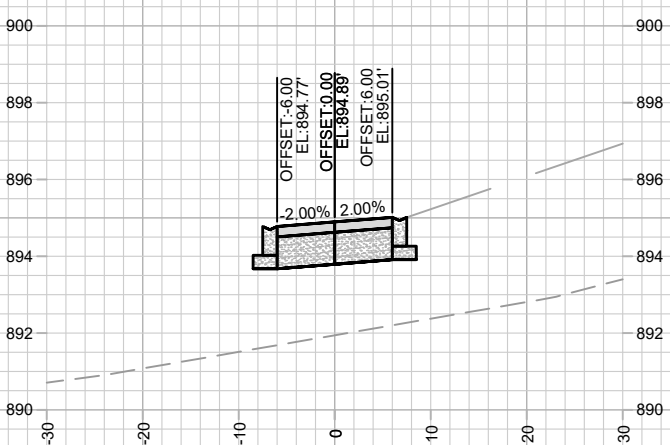
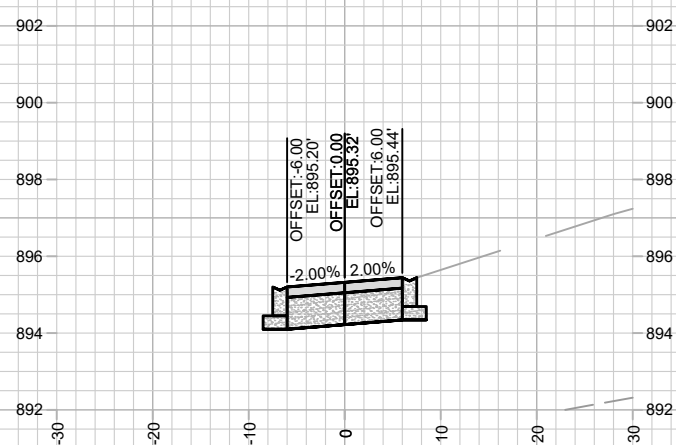
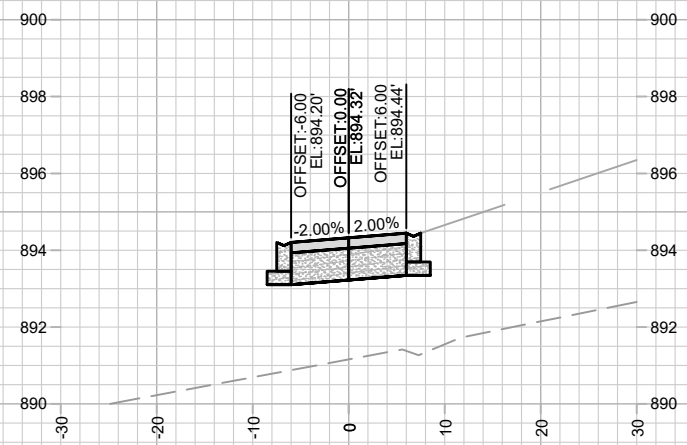
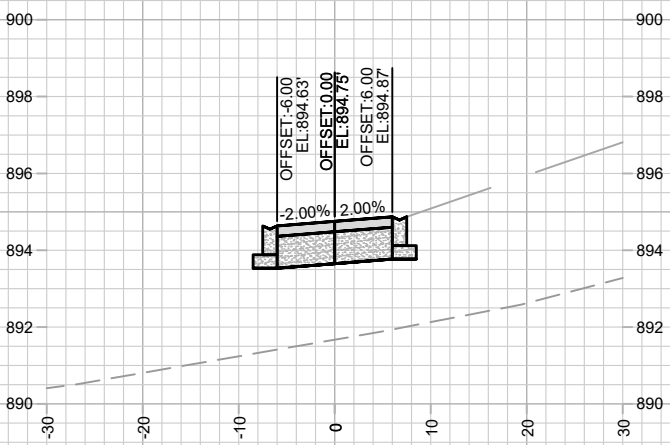
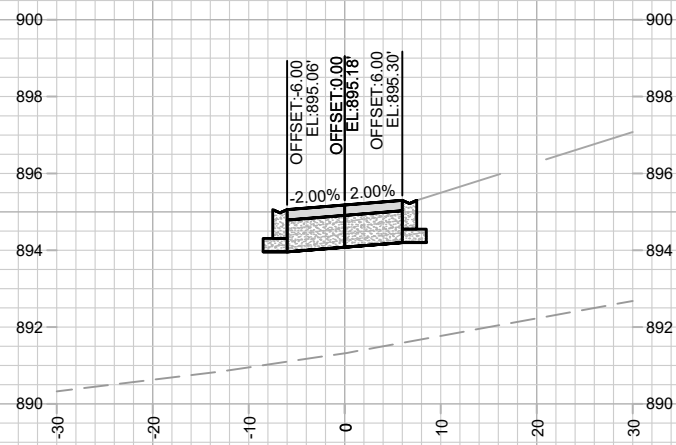
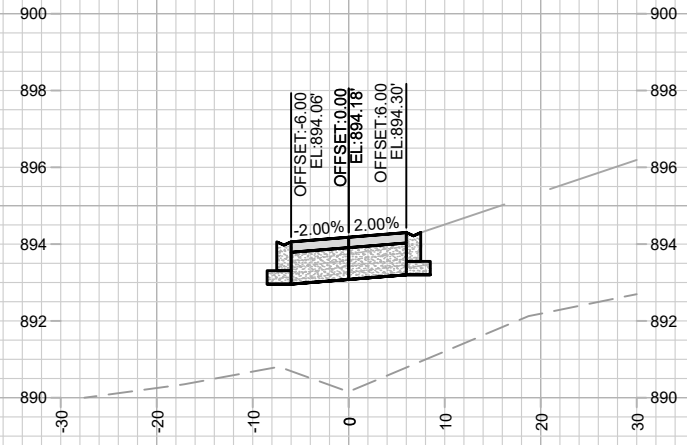
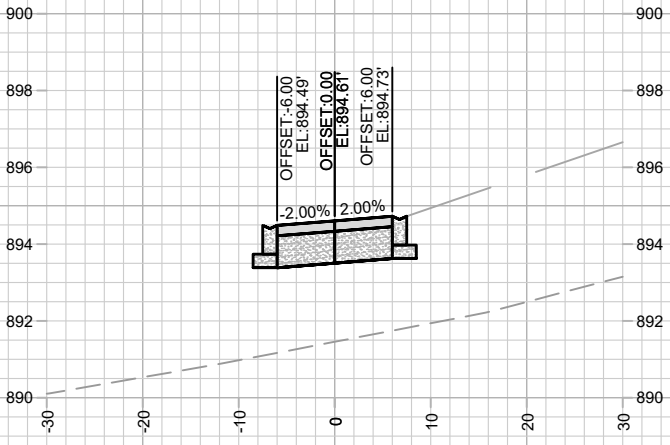
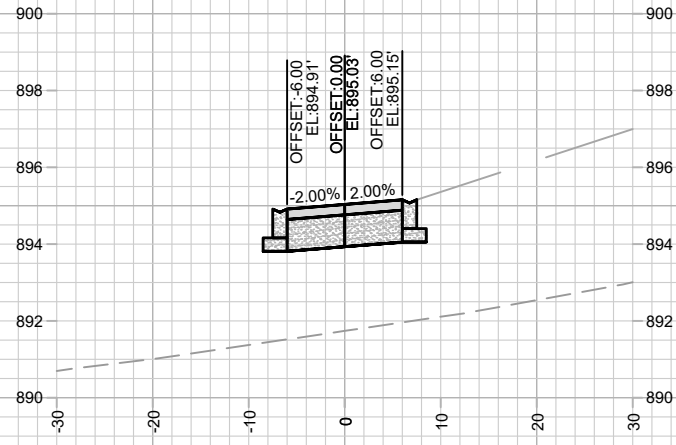
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VILLAGE AT AUTUMN LAKE - PHASE 12
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13856
 MADISON, WI
 9098
 CONTRACT NO:
 CROSS SECTION - WATERFALL WAY
 VILLAGE AT AUTUMN LAKE - PHASE 12
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13856
MADISON, WI

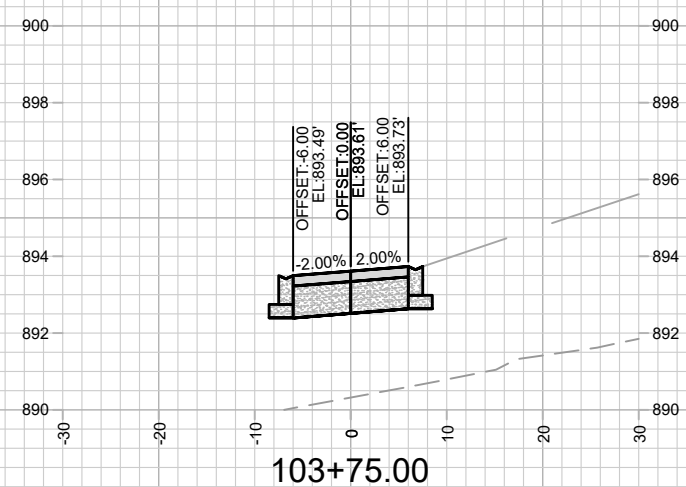
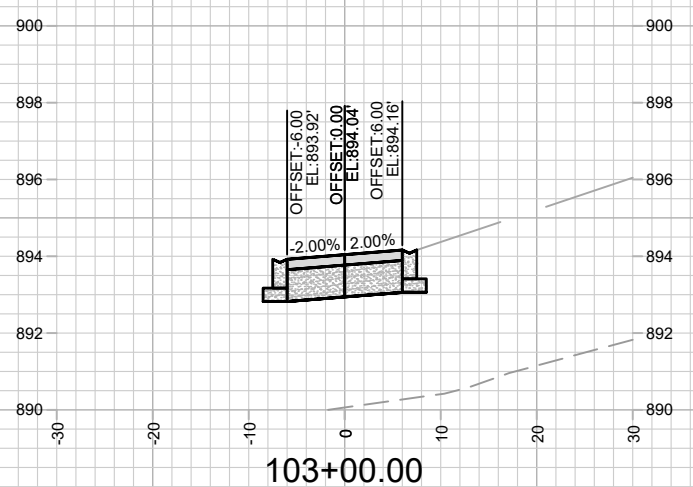
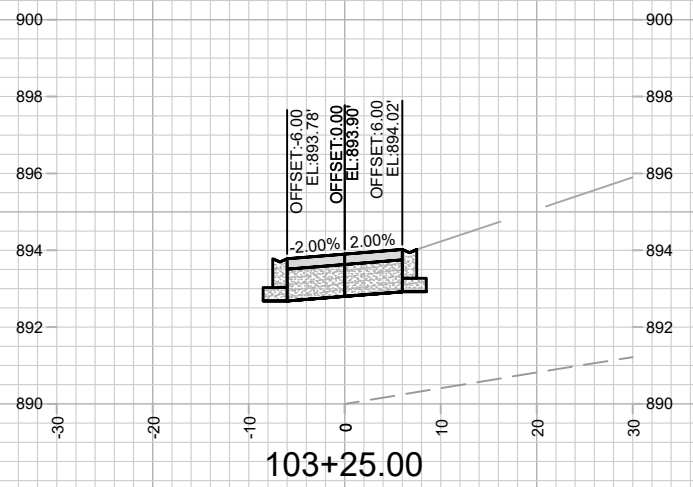
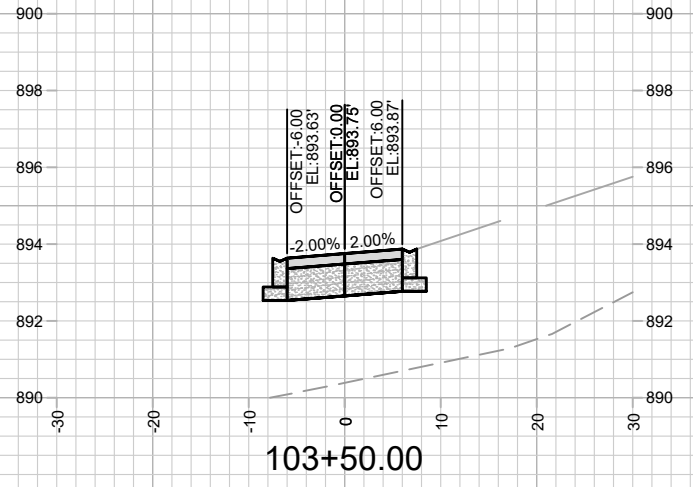
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CROSS SECTION - OL 71 ALLEY
VILLAGE AT AUTUMN LAKE - PHASE 12



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X-11

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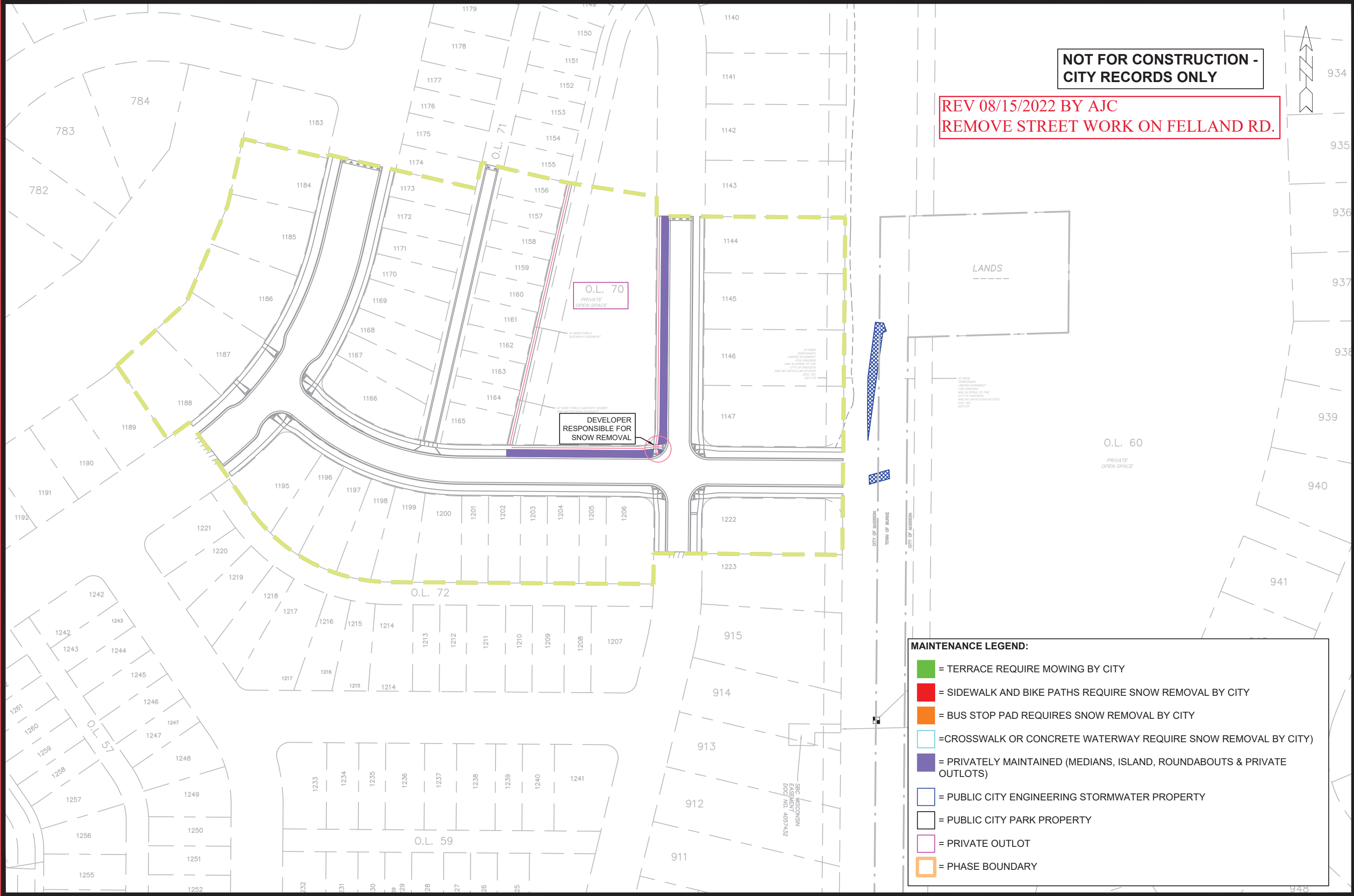


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 MADISON, WI
 VILLAGE AT AUTUMN LAKE - PHASE 12
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NOT FOR CONSTRUCTION -
CITY RECORDS ONLY

REV 08/15/2022 BY AJC
REMOVE STREET WORK ON FELLAND RD.



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

MARK	REVISION	DATE	BY
13856			
Designed By: LMC	Date: 01/05/2022 1:29 PM	Scale: #####	MN-1

13856
MADISON, WI
VILLAGE AT AUTUMN LAKE - PHASE 12
M:\DESIGN\Projects\13856\CAD\Streets\13856EN-Maintenance.dwg

CONTRACT NO: 9098

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