

Madison, Wisconsin

CITY OF MADISON

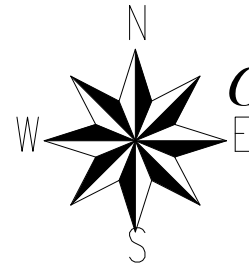
CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

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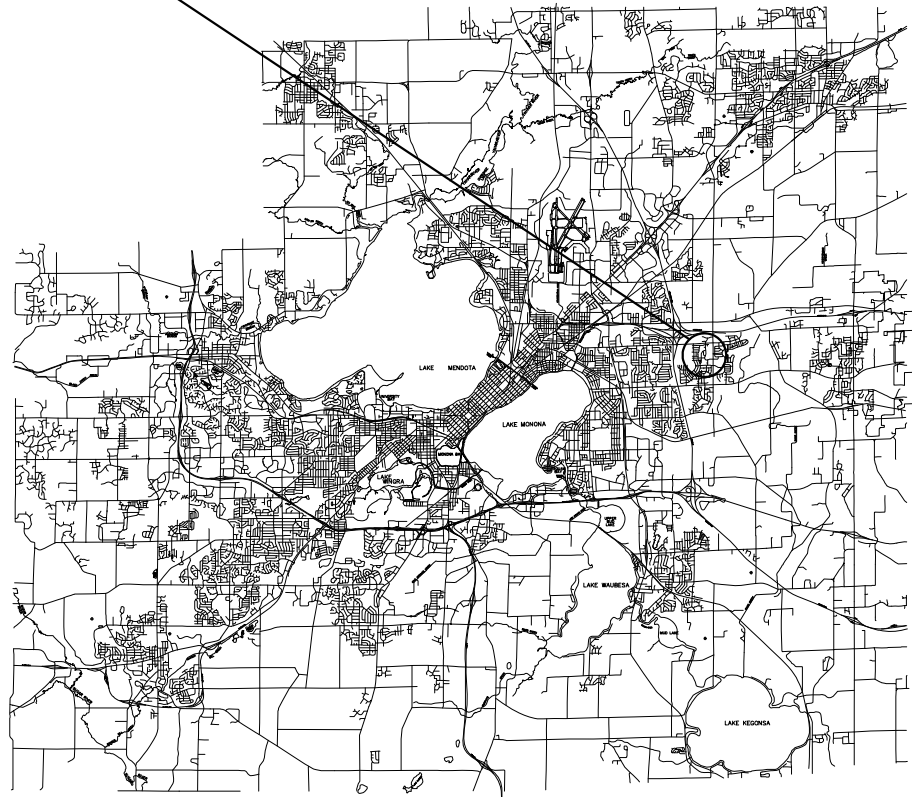


NORTHEAST ADDITION TO
GRANDVIEW COMMONS - PHASE 3

CITY PROJECT NO. 12712

CITY CONTRACT NO. 8487

PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT
APPROVED

DECEMBER 3, 2019

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

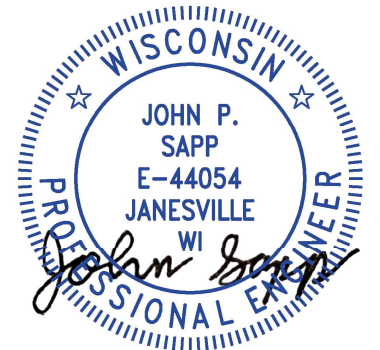
Greg Fries

Jun 25, 2020

City Engineer

Date

STREET
DESIGNED BY:



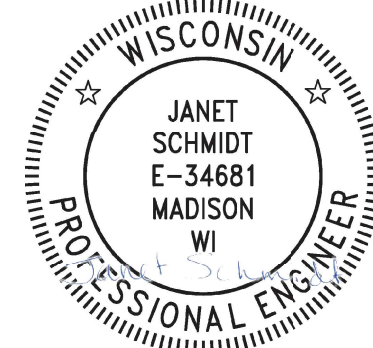
Jun 25, 2020

SANTARY SEWER
DESIGNED BY:



Jun 25, 2020

STORM SEWER
DESIGNED BY:



Jun 29, 2020

WATER
DESIGNED BY:



Jun 25, 2020

PLOT SCALE:

REV. DATE:

REV. DATE:

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

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

ALL PAVEMENT IN THE GALILEO DRIVE, MISTY BRIDGE ROAD, AND RAGAN STREET 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.

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT.

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.

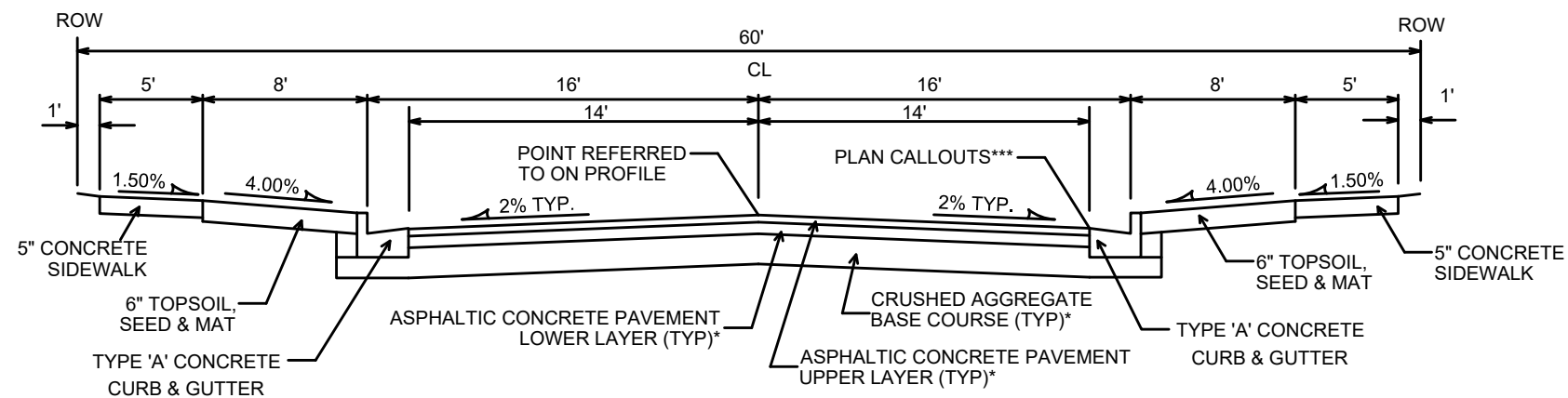
THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

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

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

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	

STANDARD NOTES AND COMMENTS	12712	REVISION	DATE	BY
NORTHEAST ADDITION TO GRAND VIEW COMMONS - PHASE 3	MADISON, WI	#1	Date: 4-30-20	
CITY OF MADISON	CONTRACT NO: 8487	MARK	DESIGNED BY: ID	SCALE:
	12712			
	D-1			



TYPICAL SECTION
 GALILEO DRIVE, MISTY BRIDGE ROAD, AND RAGAN STREET
 NOT TO SCALE

NOTES:

- * GALILEO DRIVE, MISTY BRIDGE ROAD, AND RAGAN STREET SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN.
- ** SEE PLAN AND PROFILE SHEETS FOR DIMENSIONS, DETAILS, AND STREET CROSS SLOPES
- *** STATION OFFSET ELEVATION CALLOUTS AT **EDGE OF PAVEMENT**
- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 3.

†

CITY OF MADISON MINIMUM PAVEMENT DESIGN †

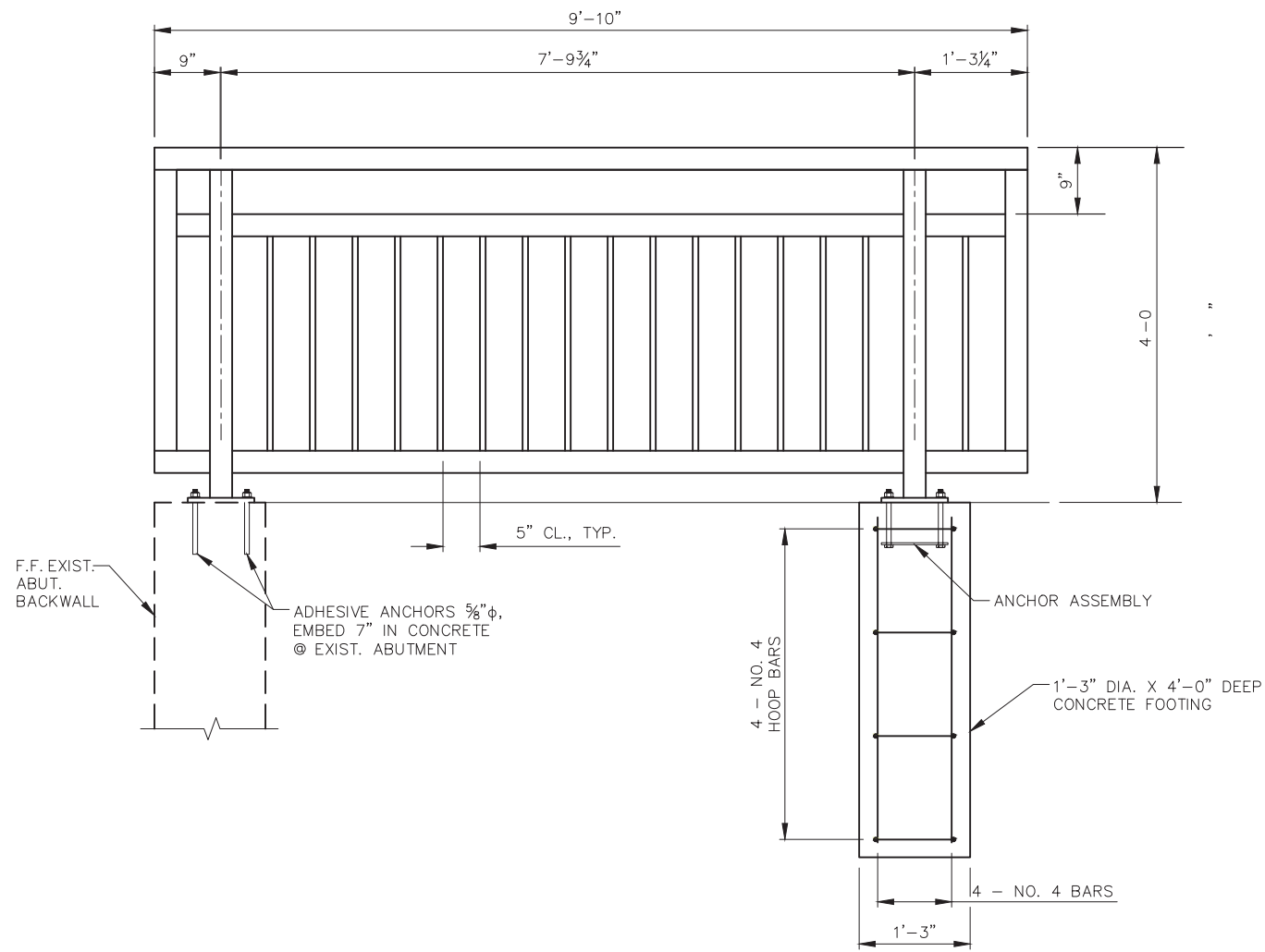
TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H	2.00"

MARK	REVISION	DATE	BY
12712	4-30-20		
Described By: IO	Scale: NOT TO SCALE		
12712			D-2

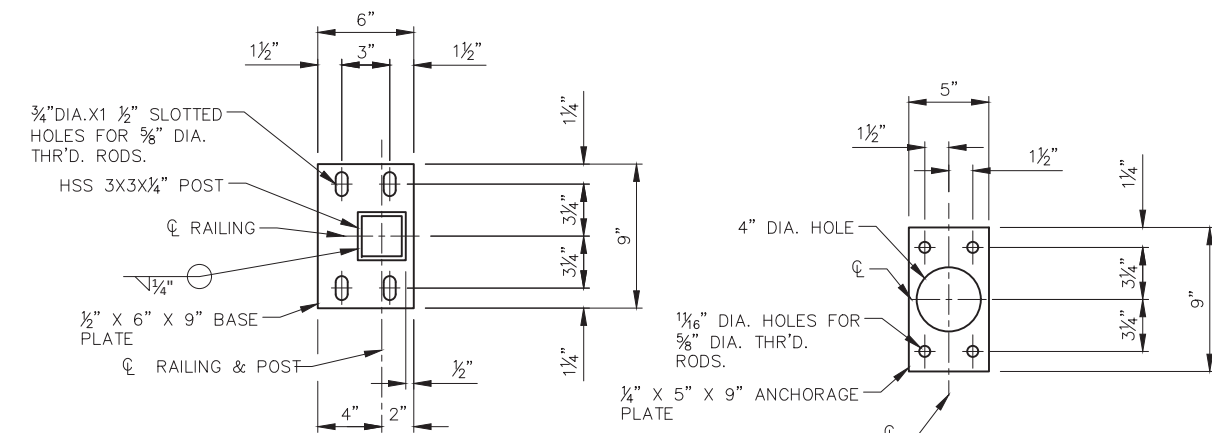
12712
 MADISON, WI
 CONTRACT NO: 8487



12712
 D-2

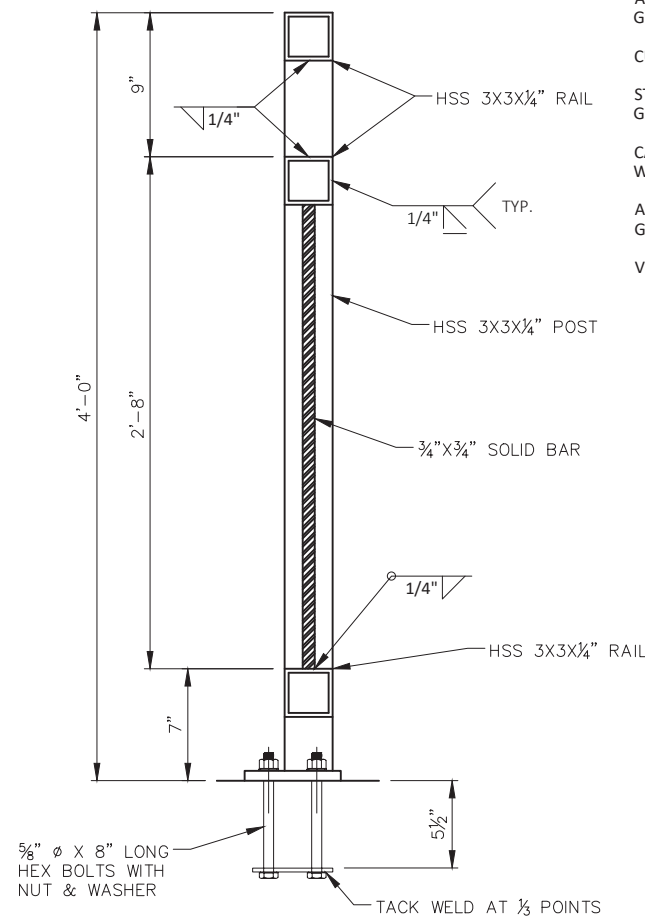


RAILING INSIDE ELEVATION



RAILING BASE PLATE

ANCHOR PLATE



SECTION THRU RAILING

ADHESIVE ANCHORS 5/8", EMBED 7" IN CONCRETE MUST BE SUBSTITUTED FOR CAST-IN-PLACE BOLTS AND ANCHORAGE PLATE AT EXIST. ABUTMENT OPTIONAL IN FOOTING.

NOTES

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

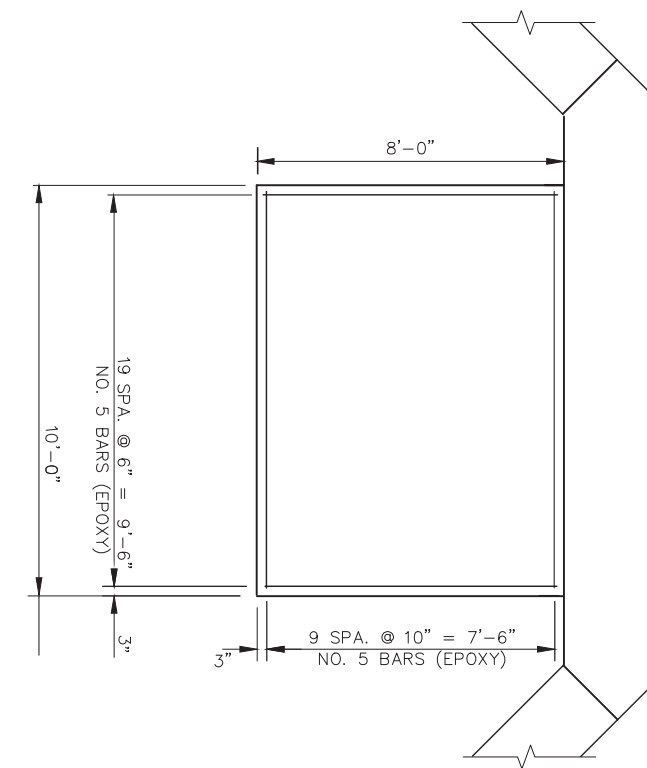
CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT AND SHALL BE GALVANIZED.

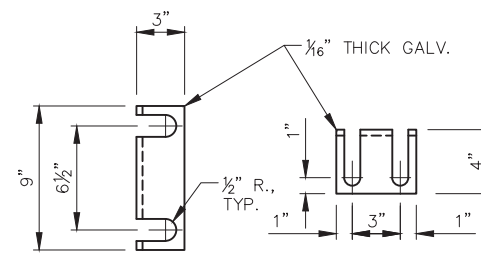
CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHOULD BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQ'D. TO FACILITATE GALVANIZING AND DRAINAGE.

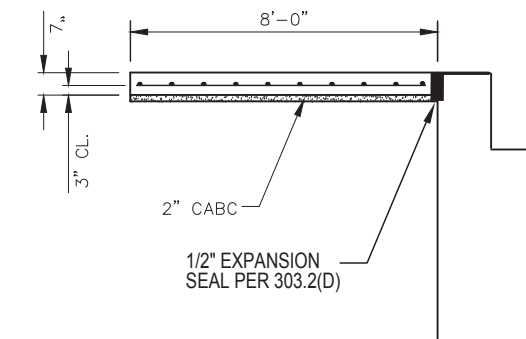


APPROACH SLAB PLAN



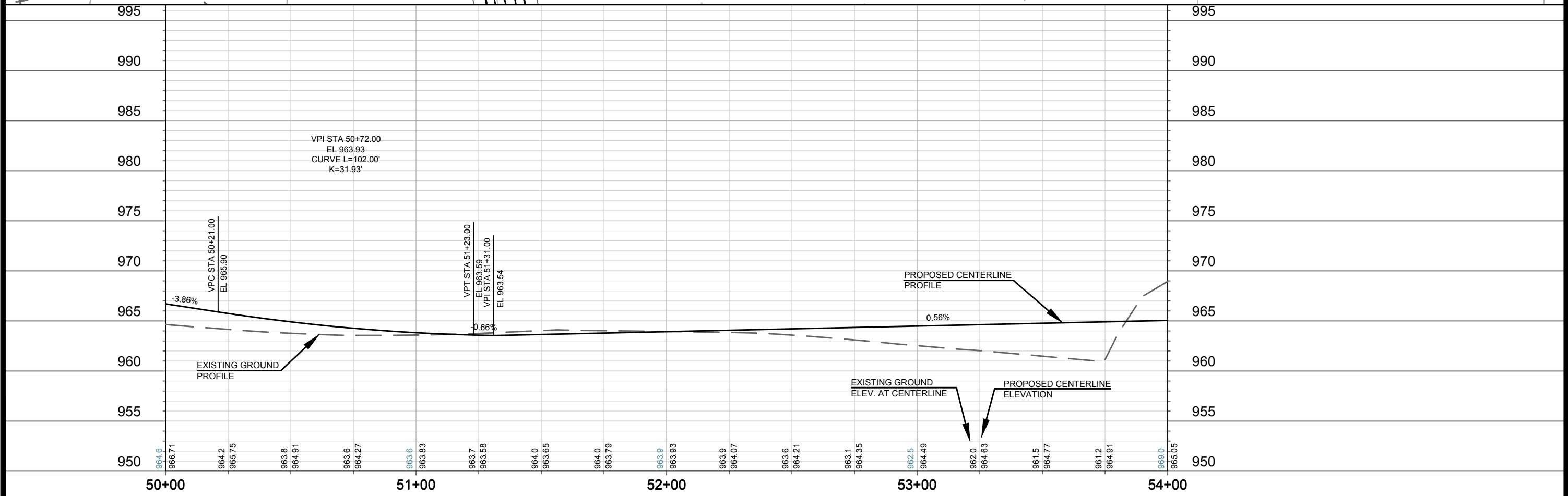
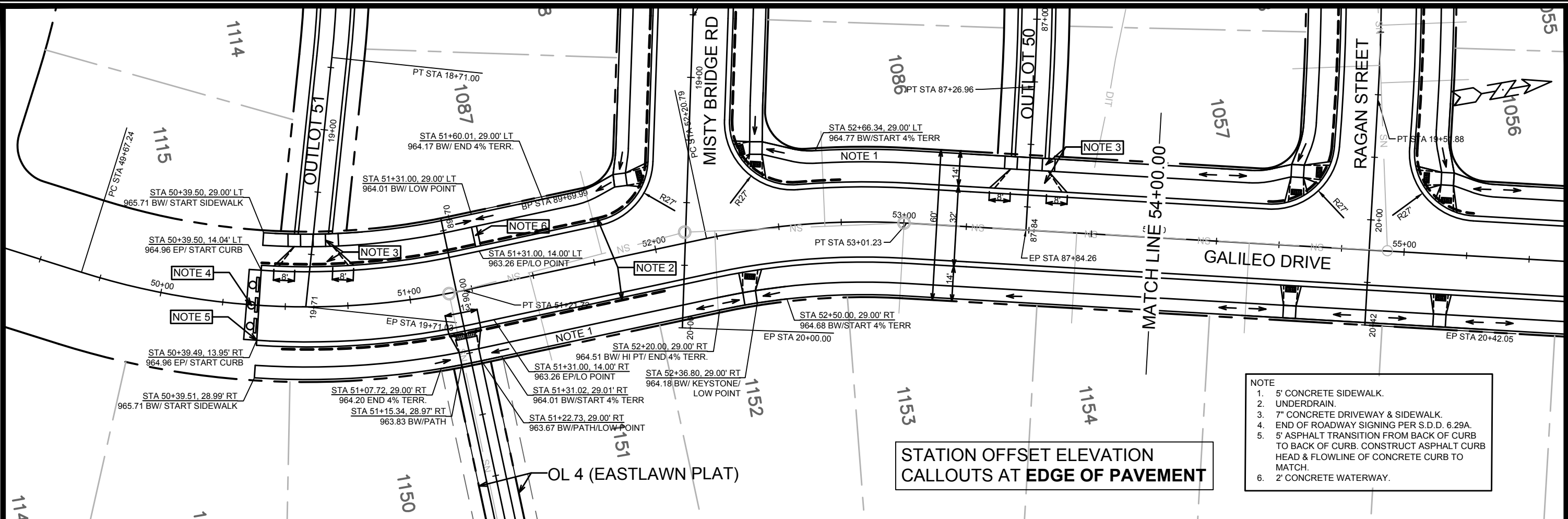
ANCHOR PLATE

TWO SHIMS OF EACH SIZE REQ'D PER POST.

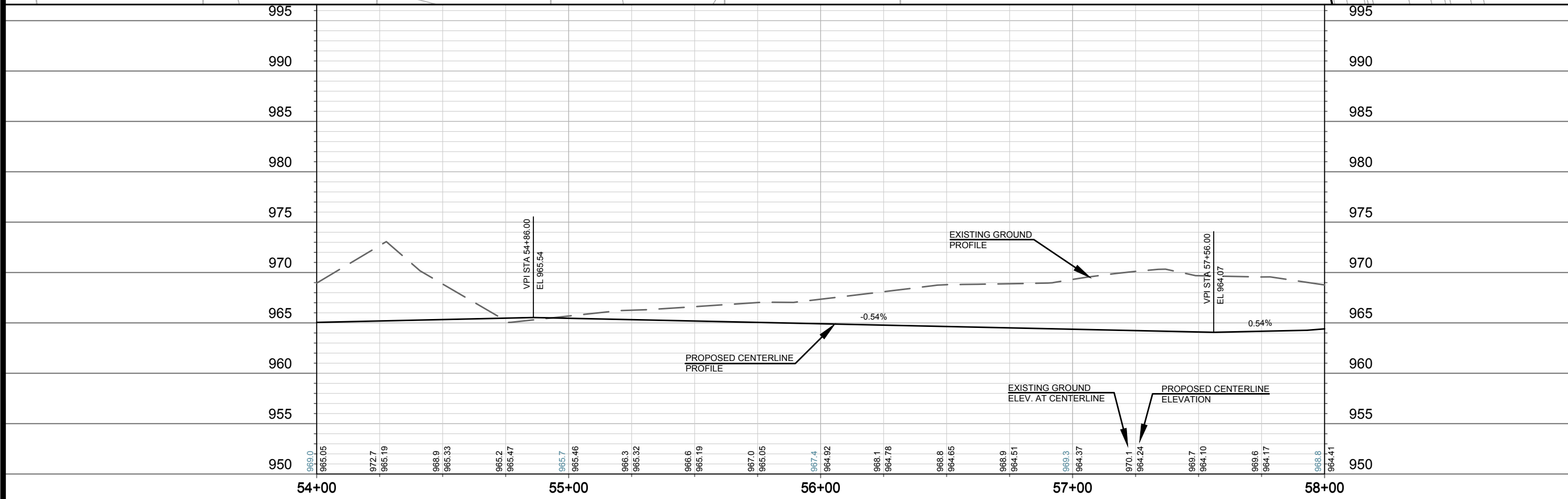
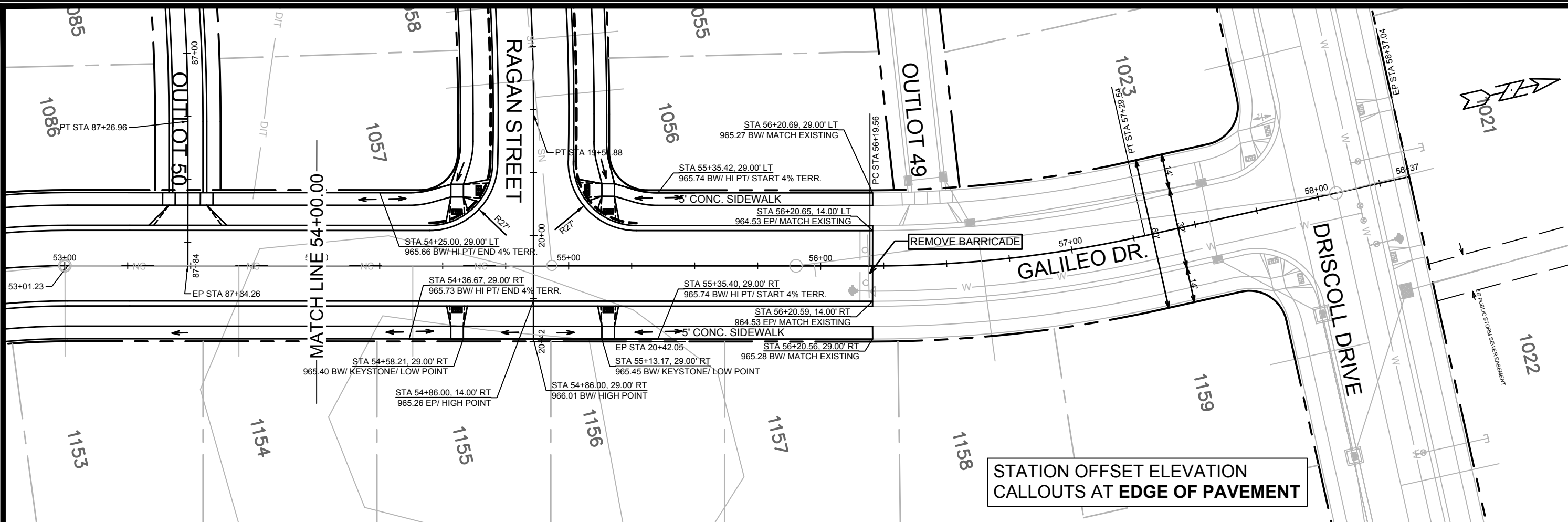


SECTION THRU APPROACH SLAB

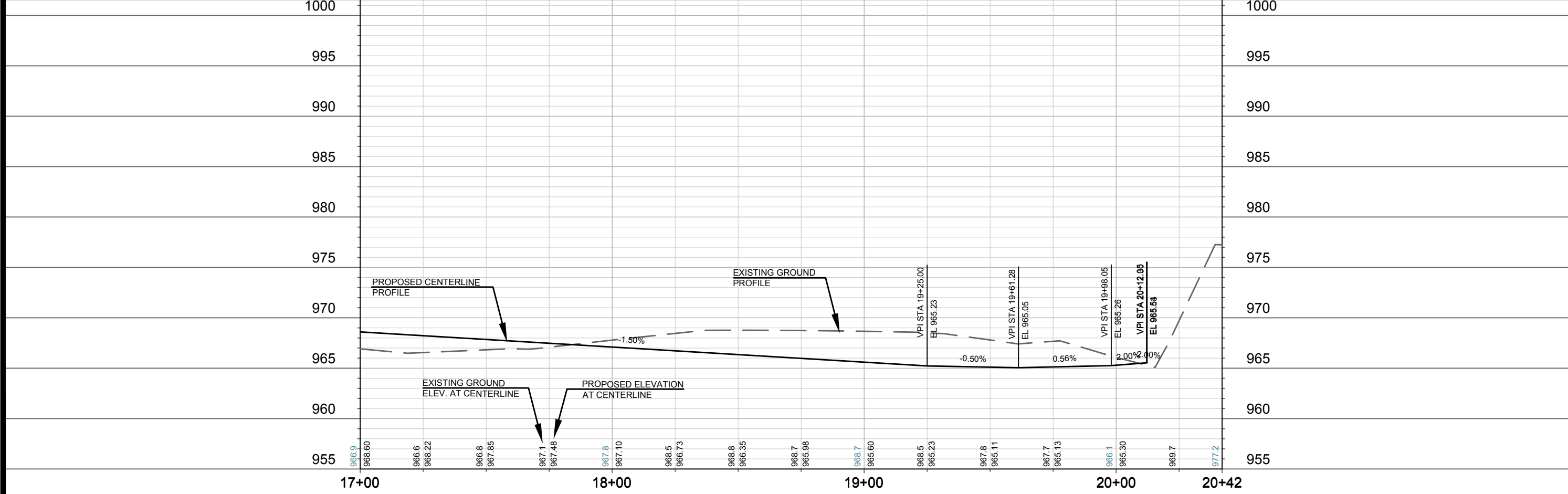
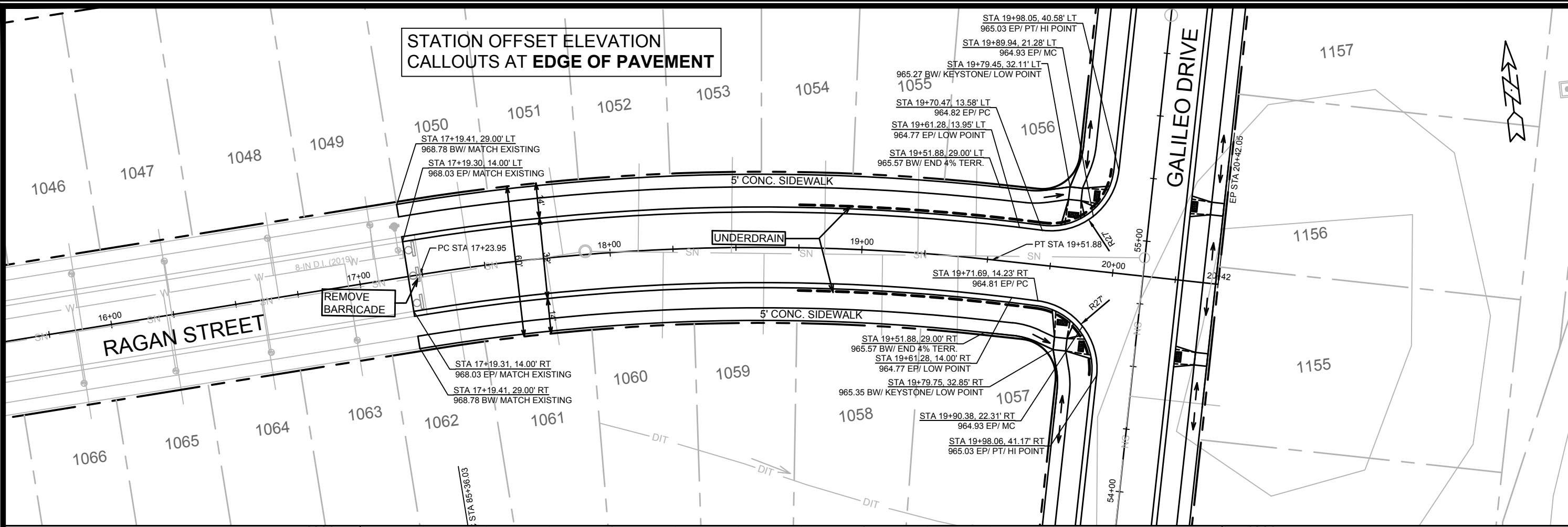
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REVISION		REVISION	
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DATE	6/12/2020	SCALE	###/###/##
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PATH RAILING DETAIL		CONTRACT NO.: 8487	
NORTHEAST ADDITION TO GRANDVIEW COMMONS - PHASE		MADISON, WI	
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CITY OF MADISON WISCONSIN			
12712			
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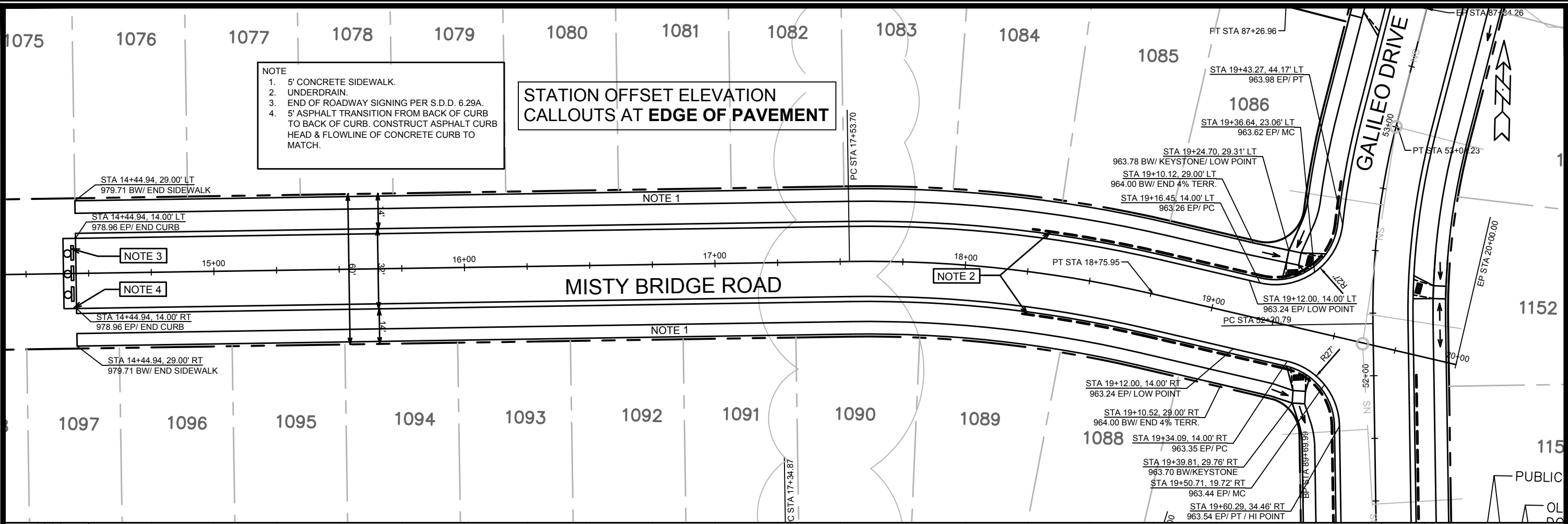
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GALILEO DRIVE PLAN & PROFILE 1		MADISON, WI	
NORTH EAST ADDITION TO GRAND VIEW COMMONS - PHASE 3		CONTRACT NO.:	
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12712		P-1	



12712	MADISON, WI	CONTRACT NO.: 8487	P-2
GALILEO DRIVE PLAN & PROFILE 2			
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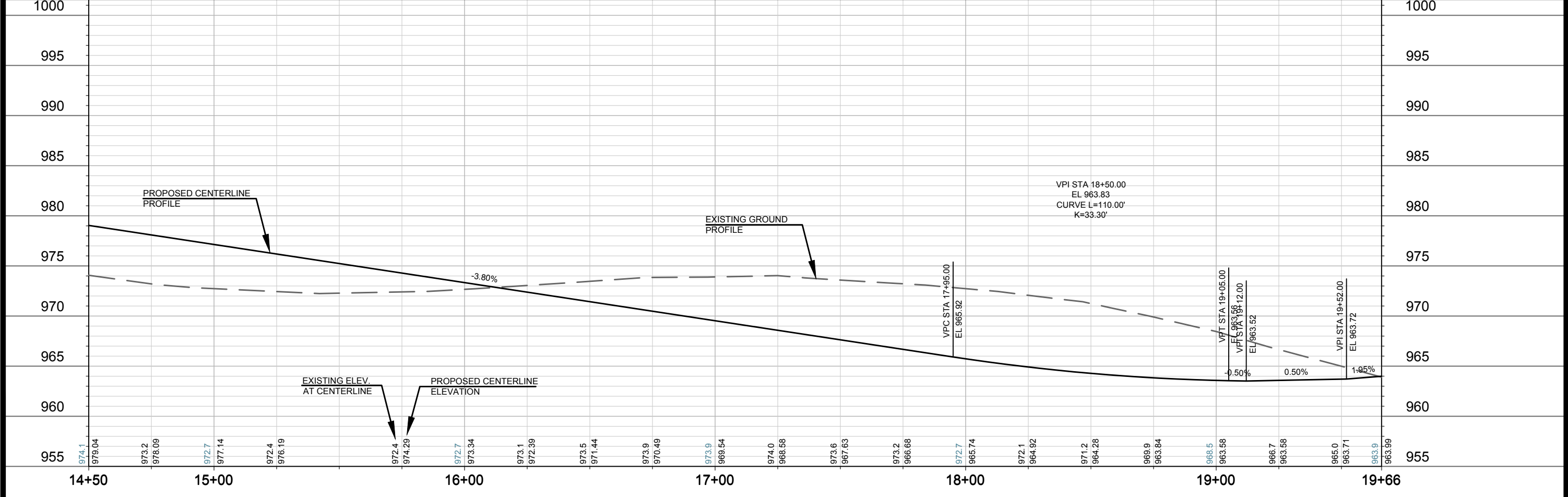


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RAGAN STREET PLAN & PROFILE			MADISON, WI		
NORTH EAST ADDITION TO GRAND VIEW COMMONS - PHASE 3			CONTRACT NO: 8487		
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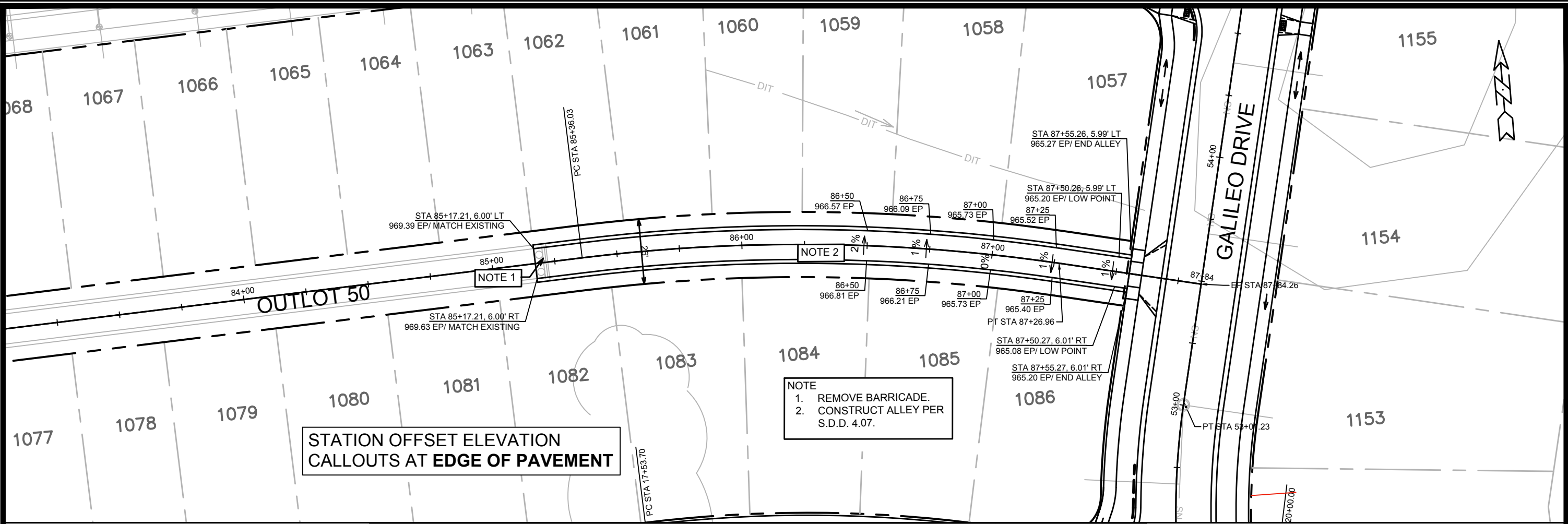


NOTE
 1. 5' CONCRETE SIDEWALK.
 2. UNDERDRAIN.
 3. END OF ROADWAY SIGNING PER S.D.D. 6.29A.
 4. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD & FLOWLINE OF CONCRETE CURB TO MATCH.

STATION OFFSET ELEVATION CALLOUTS AT EDGE OF PAVEMENT

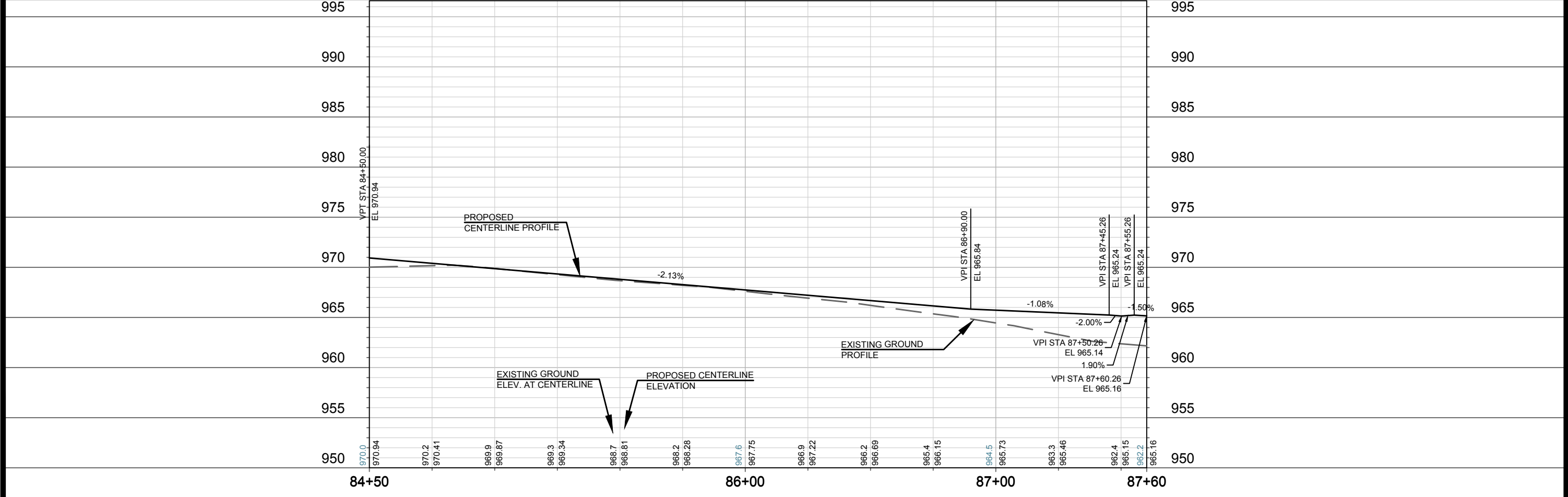


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<p>MISTY BRIDGE ROAD PLAN & PROFILE NORTH EAST ADDITION TO GRAND VIEW COMMONS - PHASE 3</p>																							
<p>12712</p>												<p>12712</p>											
<p>MADISON, WI</p>												<p>8487</p>											
<p>CONTRACT NO.: 8487</p>																							
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<p>12712</p>																							
<p>P-4</p>																							



STATION OFFSET ELEVATION
CALLOUTS AT **EDGE OF PAVEMENT**

NOTE
1. REMOVE BARRICADE.
2. CONSTRUCT ALLEY PER
S.D.D. 4.07.



DATE	BT
REVISION	DATE
MARK #1	Scale: 1"=40 FT
Designed By: LO	12712
Contract No: 8487	P-5

12712
MADISON, WI
NORTH EAST ADDITION TO GRAND VIEW COMMONS - PHASE 3
CONTRACT NO: 8487

OUTLOT 50 PLAN & PROFILE
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P-5

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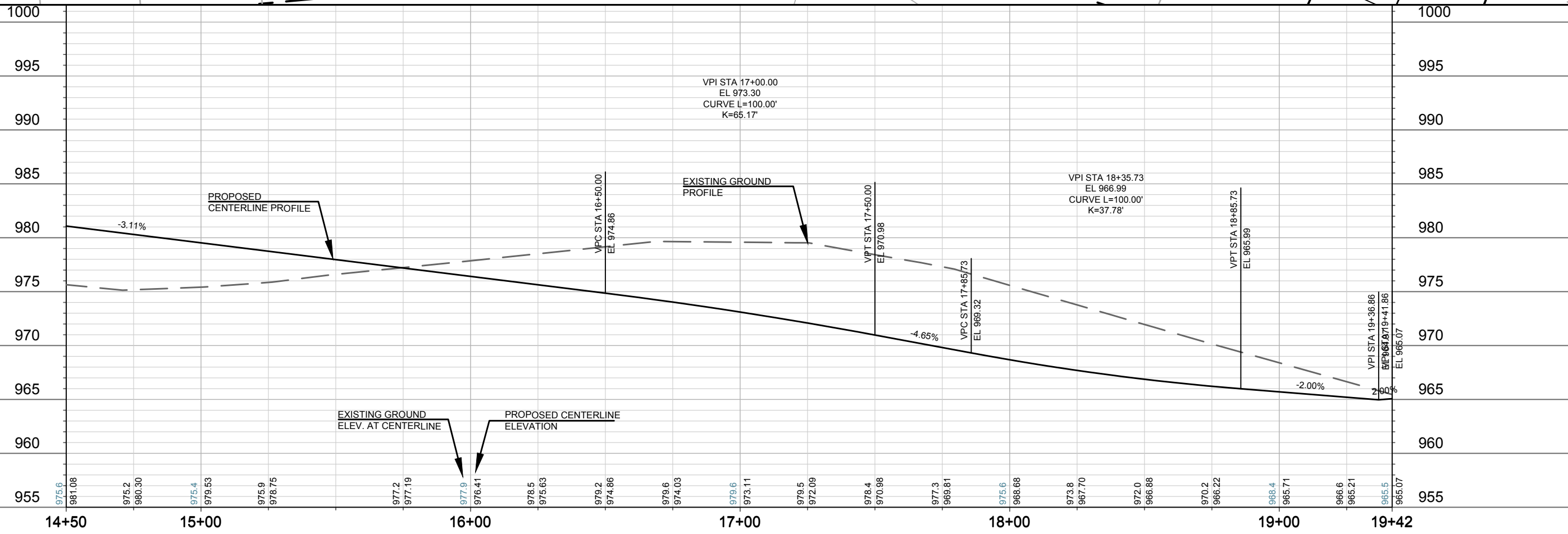
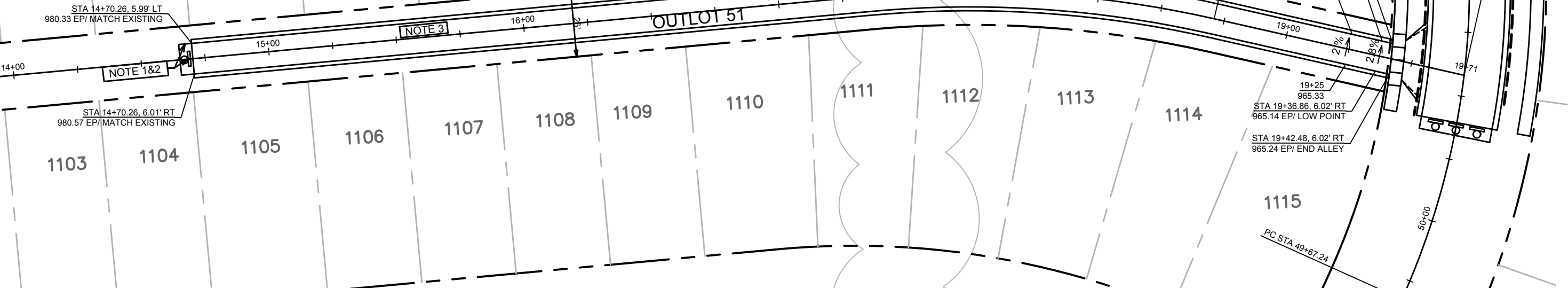
1088

1087

NOTE

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 & FLOWLINE OF CONCRETE CURB TO MATCH.
3. CONSTRUCT ALLEY PER S.D.D. 4.07.

STATION OFFSET ELEVATION
CALLOUTS AT EDGE OF PAVEMENT



12712

MADISON, WI

CONTRACT NO: 8487

OUTLOT 51 PLAN & PROFILE

NORTH EAST ADDITION TO GRAND VIEW COMMONS - PHASE 3

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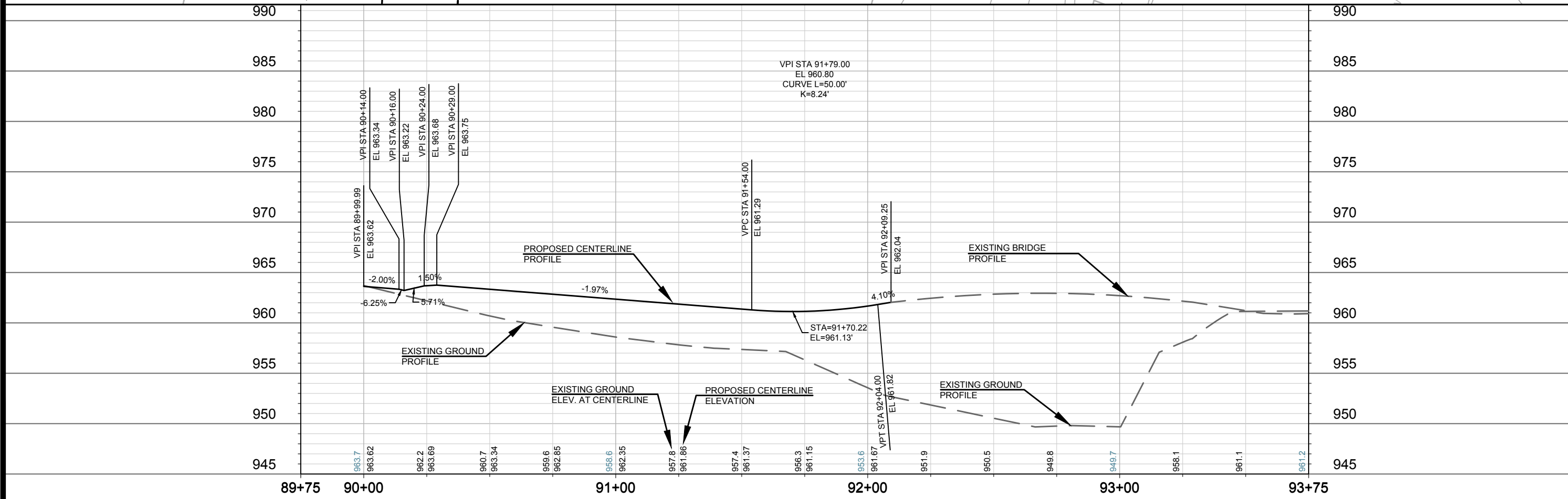
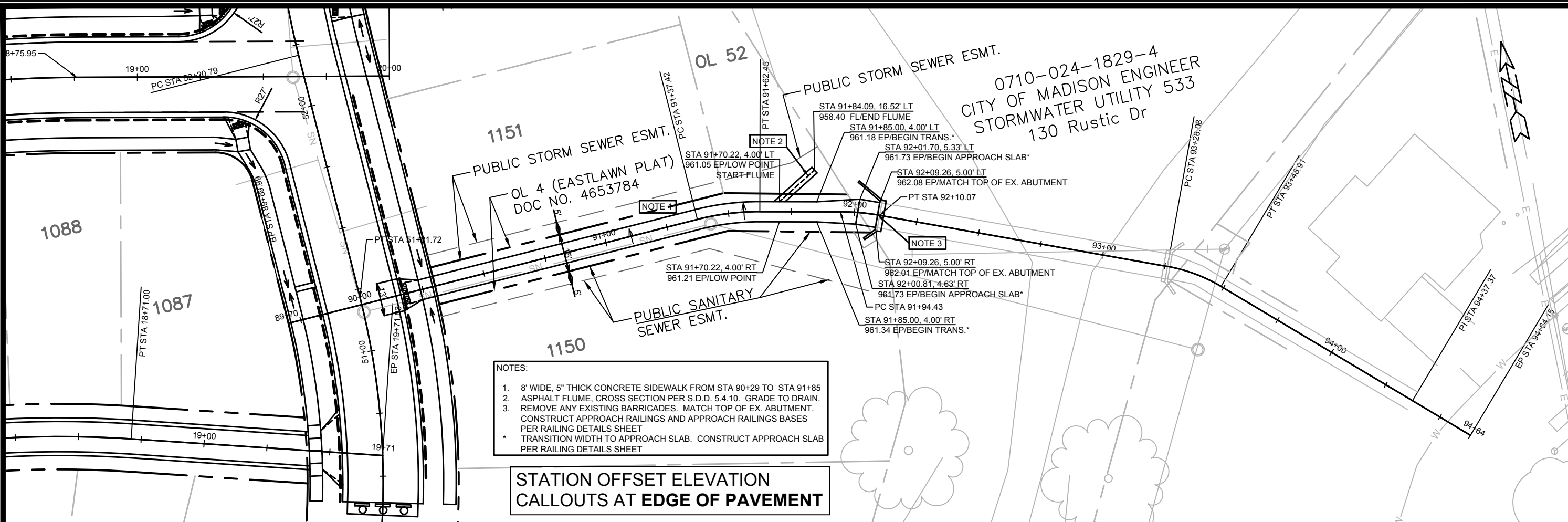
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P-6

NO.	DATE	BY	REVISION

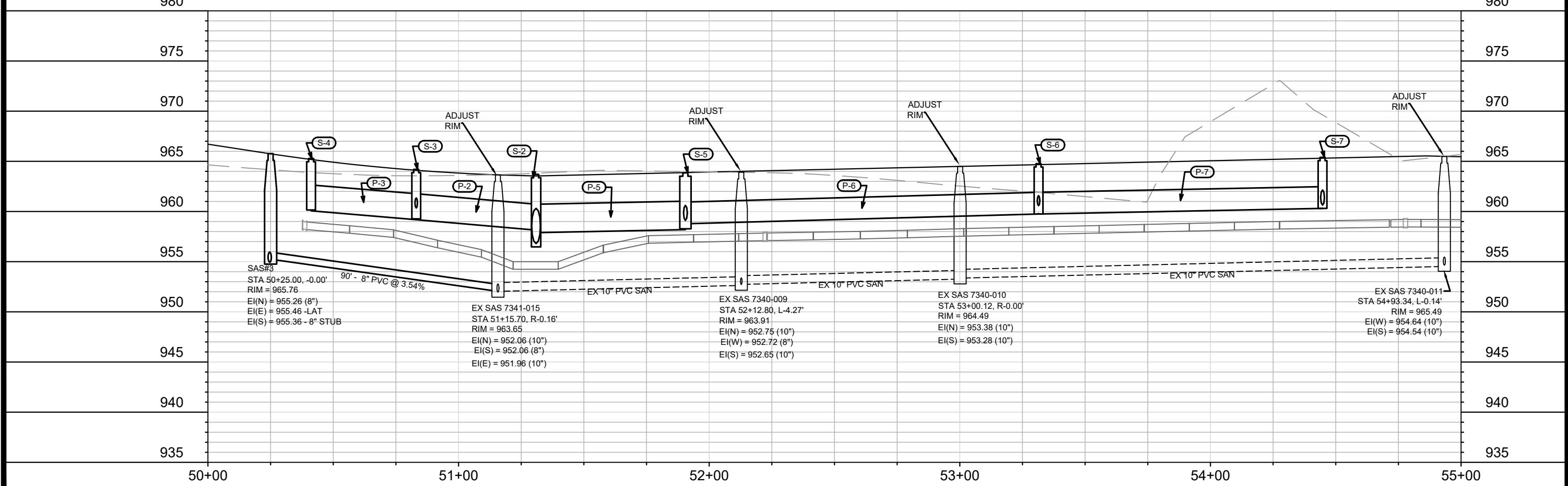
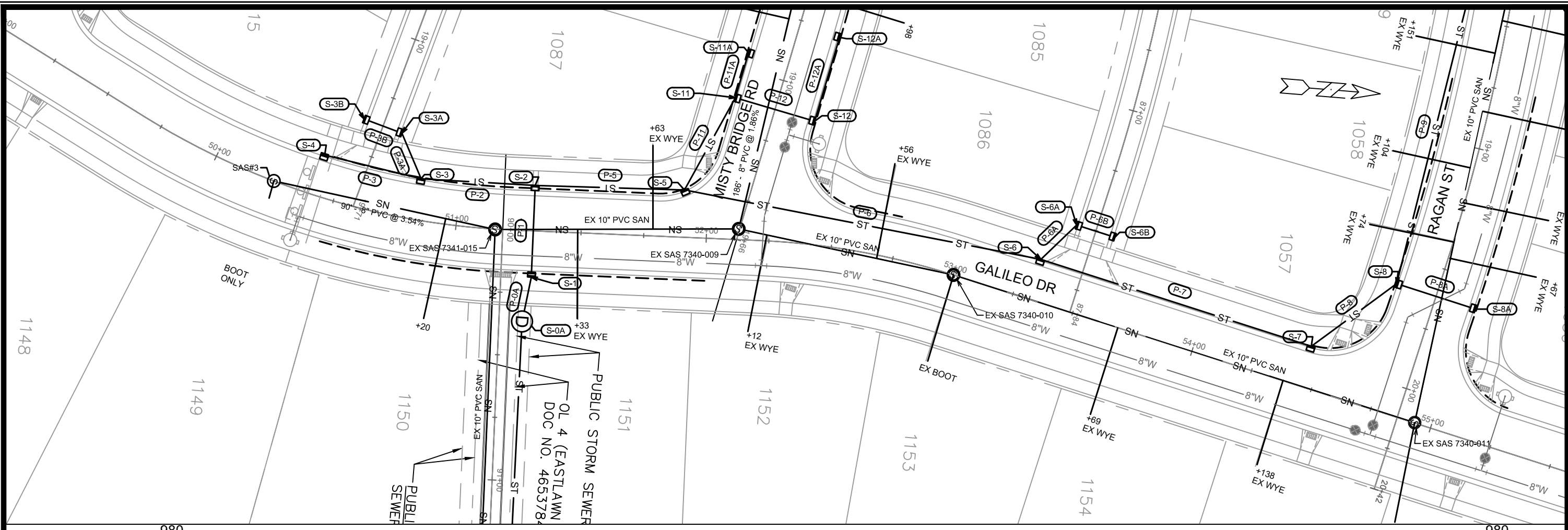
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Contract No:	8487		
12712		P-7	
OUTLOT 4 PLAN & PROFILE			
NORTH EAST ADDITION TO GRAND VIEW COMMONS - PHASE 3			
MADISON, WI			
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12712		P-7	





DATE	BY
REVISION	
MARK	12712
DESIGNED BY	EAA
DATE	07/24/2020 10:46 AM
SCALE	1"=40' FT

12712

8487

CONTRACT NO:

12712

MADISON, WI

12712

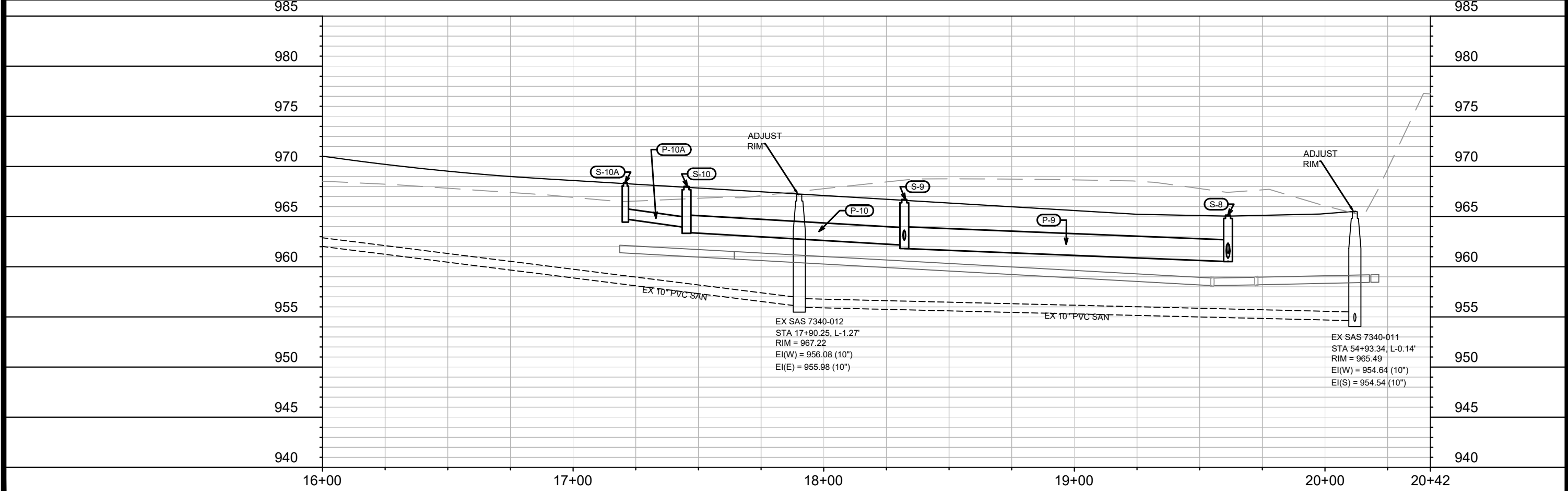
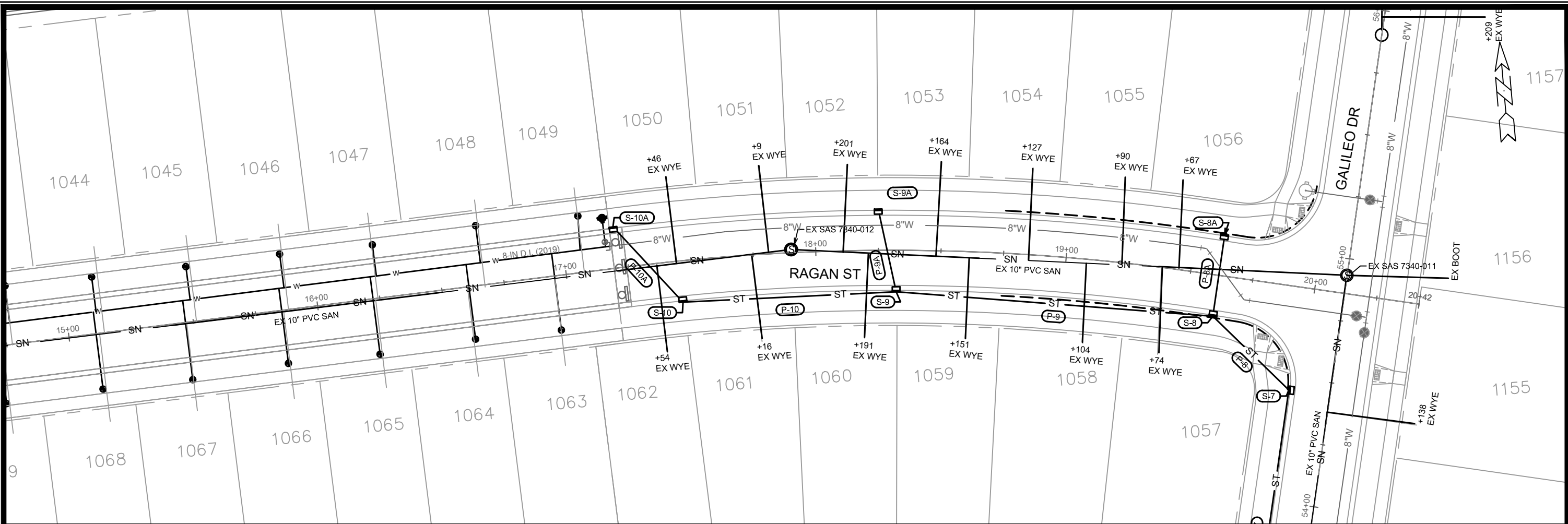
GALILEO DR - UTILITIES PLAN & PROFILE

GRANDVIEW COMMONS NE PH 3

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12712

U-1



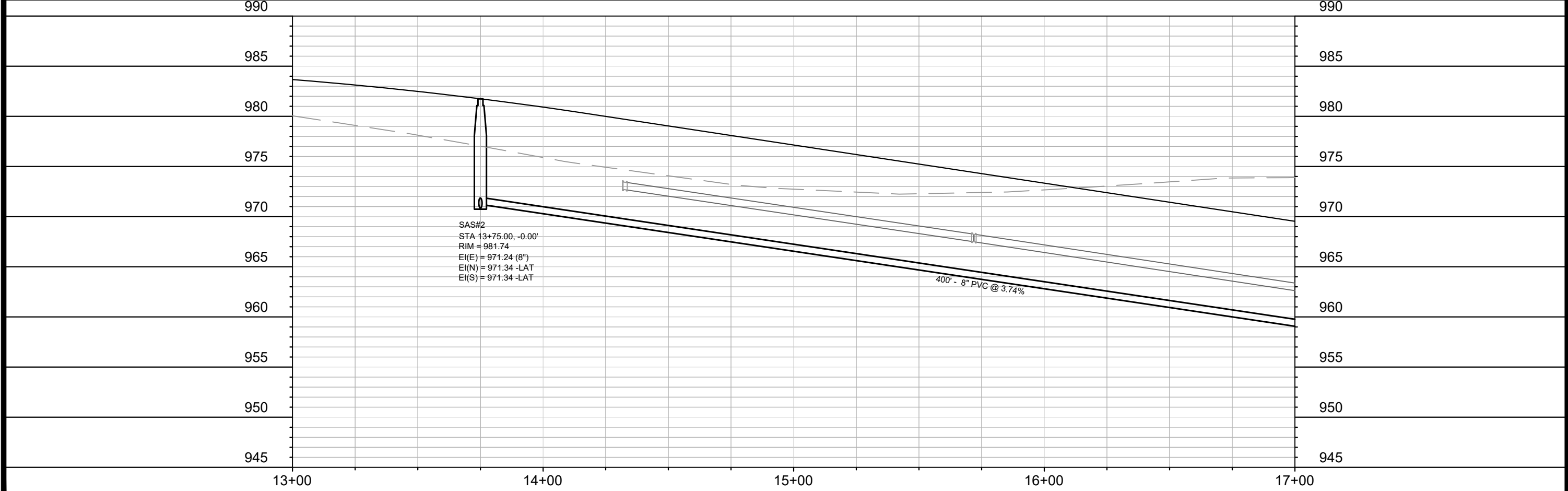
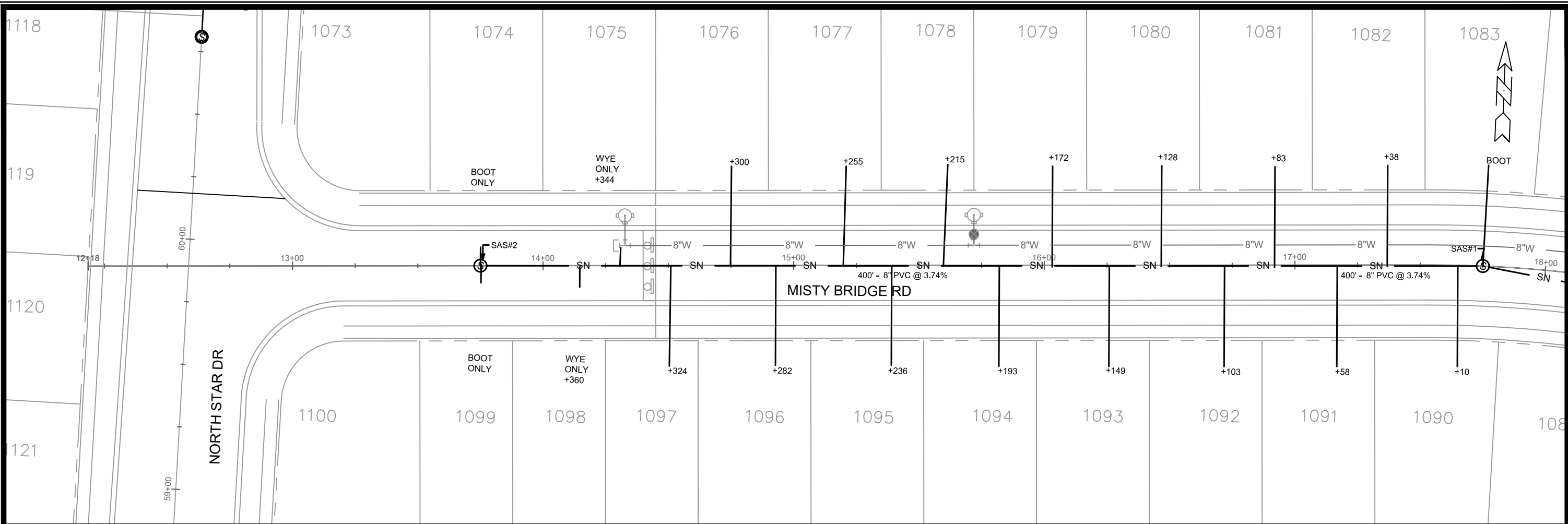
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12712
MADISON, WI
8487
CONTRACT NO:

RAGAN STREET - UTILITIES PLAN & PROFILE
GRANDVIEW COMMONS NE PH 3
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12712
U-2



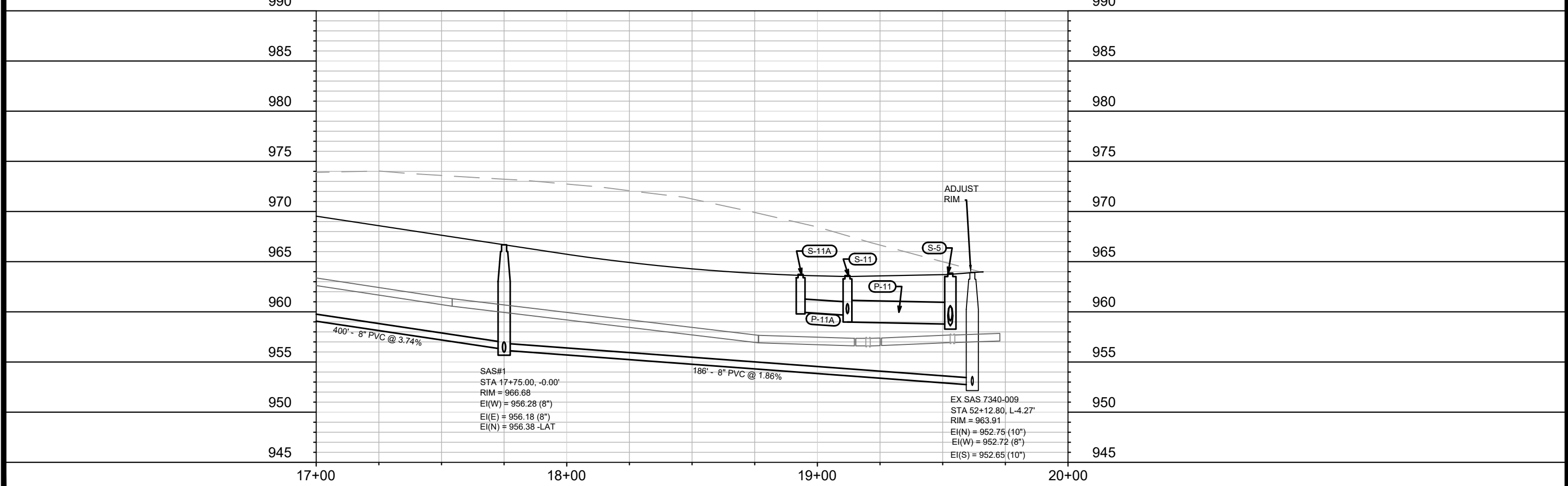
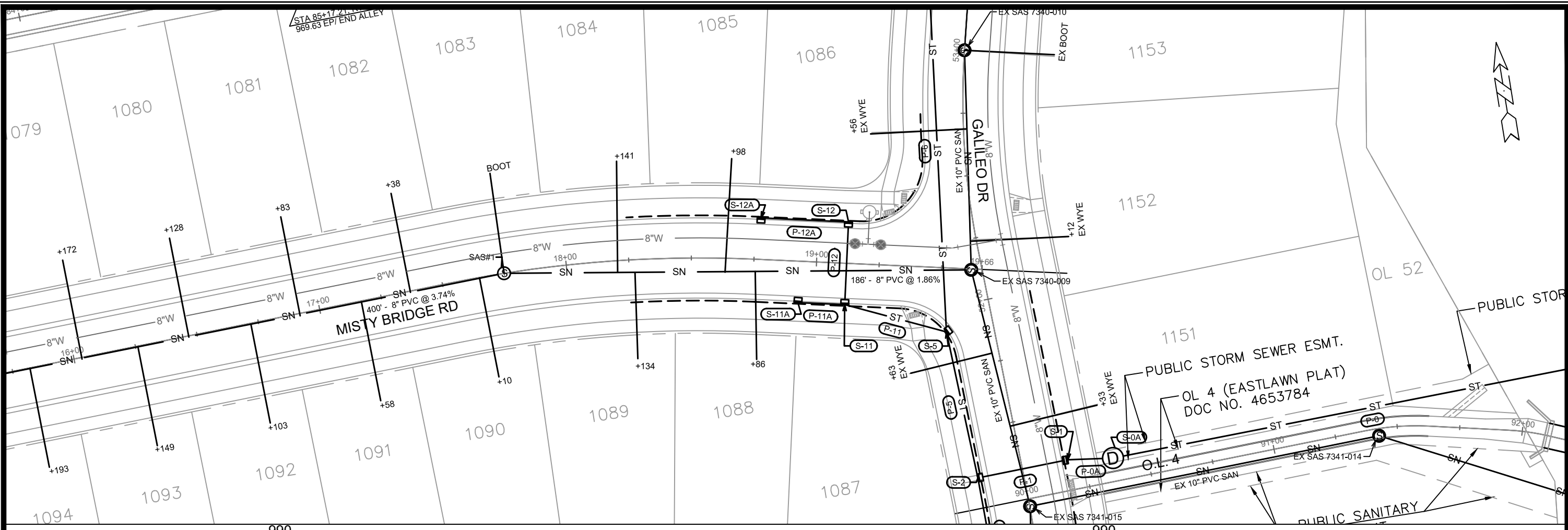
MARK	REVISION	DATE	BY
12712	1	06/20/20	EEA

12712
 MADISON, WI
 CONTRACT NO: 8487

MISTY BRIDGE ROAD - UTILITIES PLAN & PROFILE
 GRANDVIEW COMMONS NE PH 3
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12712
 U-3



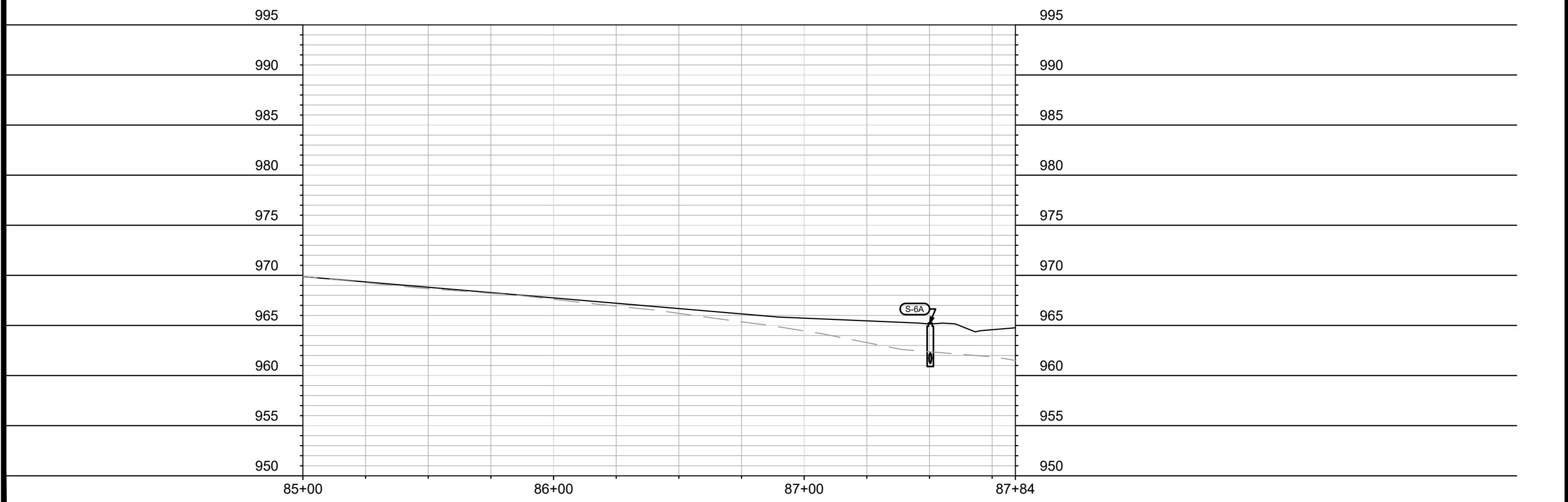
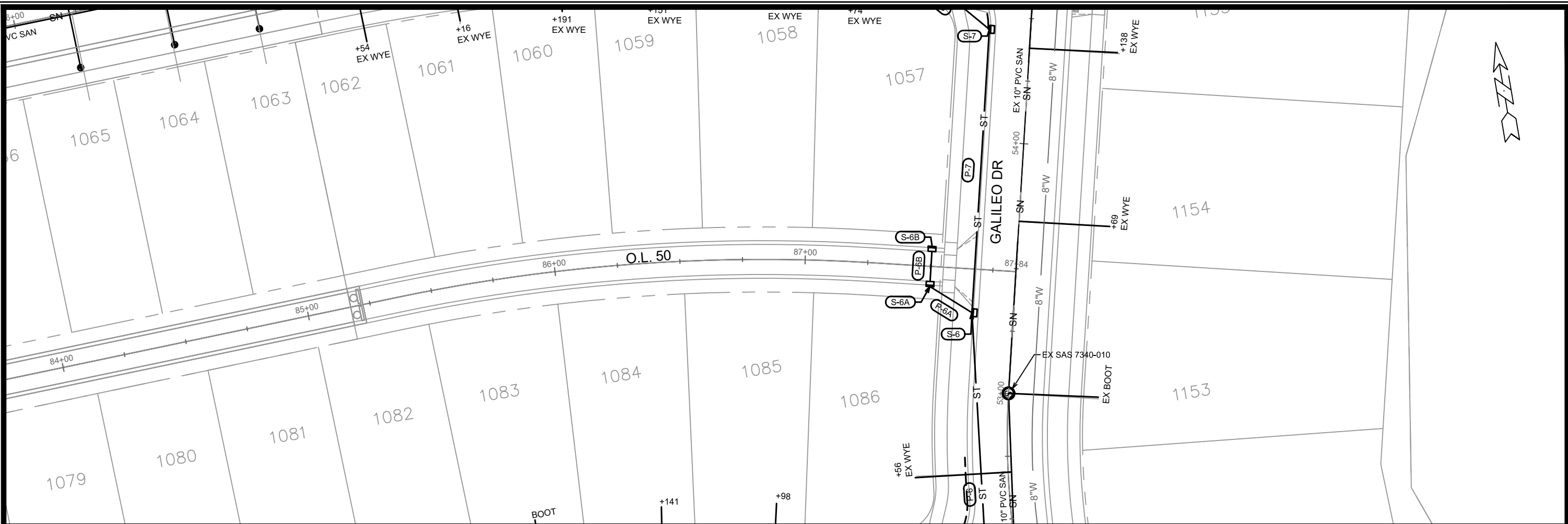
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12712
 MADISON, WI
 CONTRACT NO: 8487

MISTY BRIDGE ROAD - UTILITIES PLAN & PROFILE
 GRANDVIEW COMMONS NE PH 3
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12712
 U-4



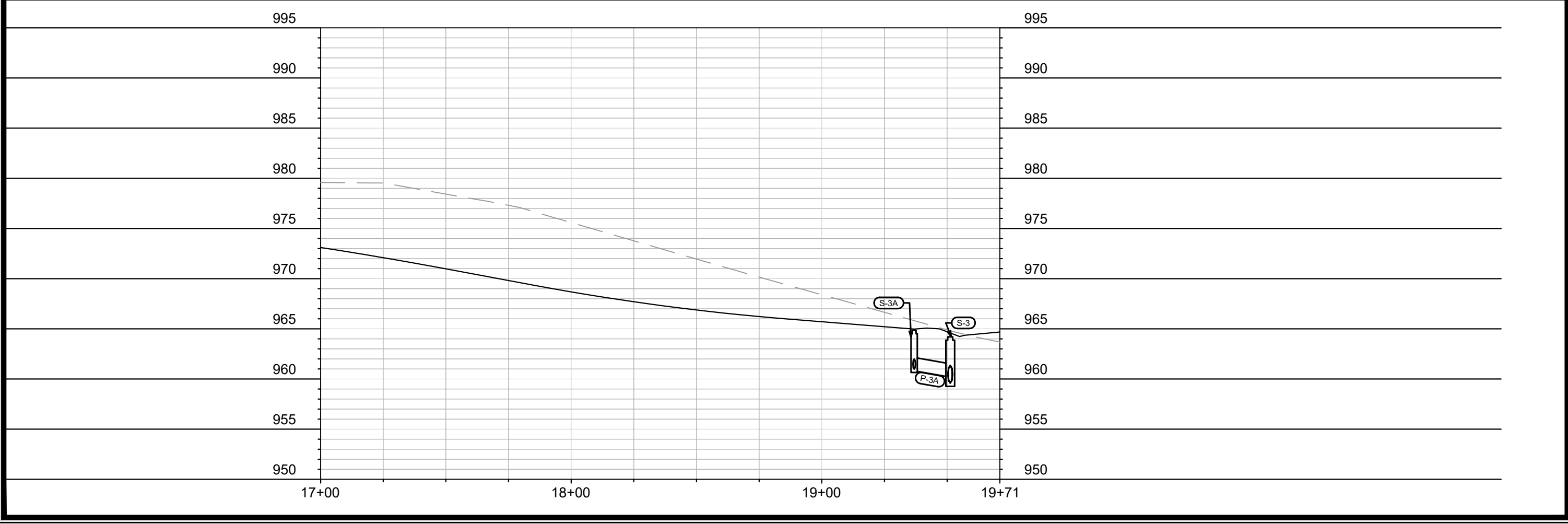
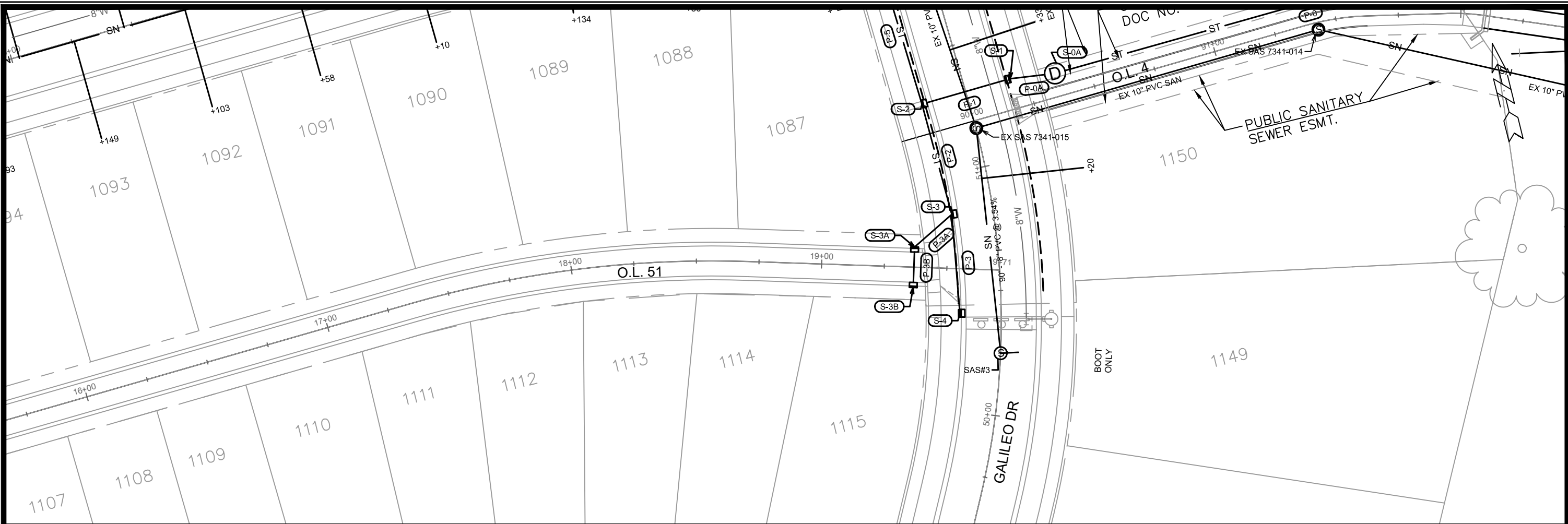
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12712
 MADISON, WI
 CONTRACT NO: 8487

O.L. 50 - UTILITIES PLAN & PROFILE
 GRANDVIEW COMMONS NE PH 3
 M:\DESIGN\Projects\12712\CAD\Sanitary\12712-Sewers.dwg



12712
 U-5



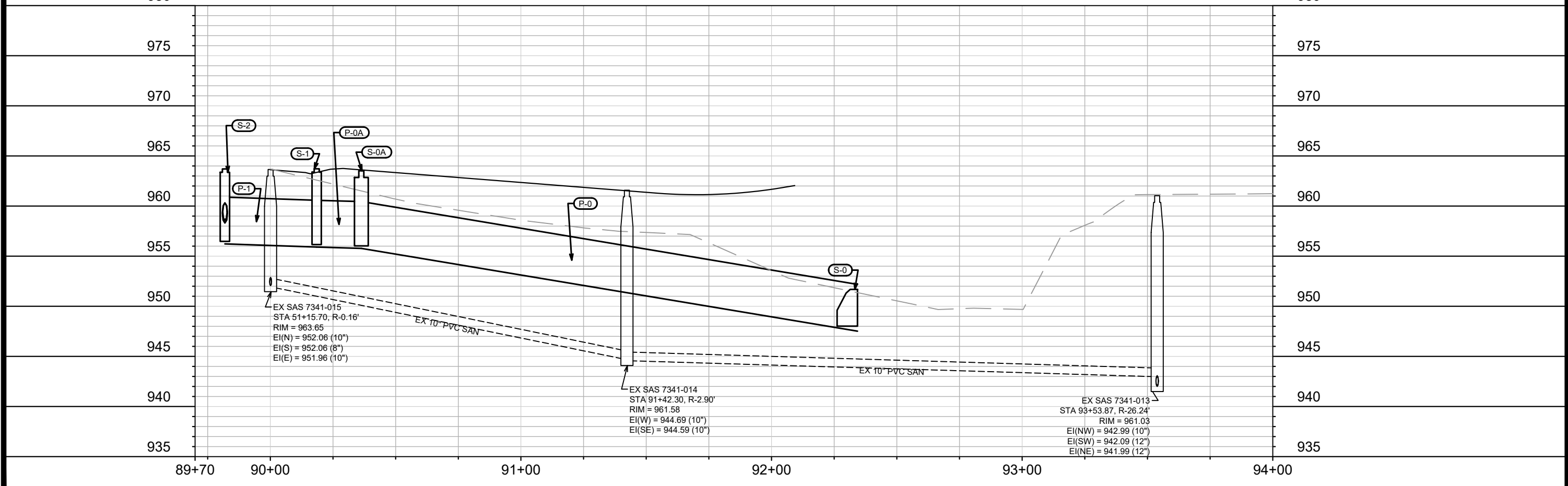
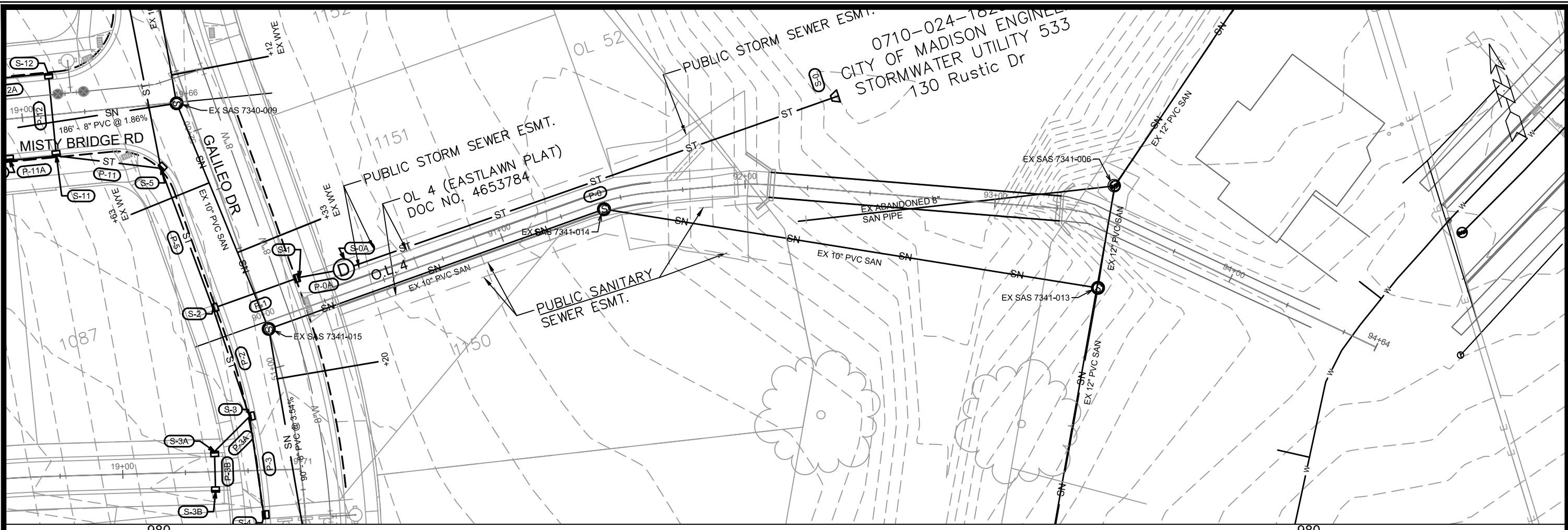
MARK	REVISION	DATE	BY
12712	U-6	11/20 AM	

12712
 MADISON, WI
 CONTRACT NO: 8487

O.L. 51 - UTILITIES PLAN & PROFILE
 GRANDVIEW COMMONS NE PH 3
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12712
 U-6



89+70 90+00 91+00 92+00 93+00 94+00

MARK	REVISION	DATE	BY
12712	U-7	10:45 AM	EA

12712
MADISON, WI
CONTRACT NO: 8487

O.L. 4 - STORM SEWER
GRANDVIEW COMMONS NE PH 3



12712
U-7

SANITARY SEWER SCHEDULE

GVCNE PH 3	SHEET NO.
PROJECT NO. 12712	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
MISTY BRIDGE RD						
SAS#1	17+75.00	CL	966.68	956.18	10.50	
SAS#2	13+75.00	CL	981.74	971.24	10.50	
GALILEO DRIVE						
SAS#3	50+25.00	CL	965.76	955.26	10.50	

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX SAS 7340-009	SAS#1	952.72	956.18	186	1.86%	8"	SDR-35	-
SAS#1	SAS#2	956.28	971.24	400	3.74%	8"	SDR-35	-
EX SAS 7341-015	SAS#3	952.06	955.26	90	3.54%	8"	SDR-35	-

NOTES

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<u>OL. 4 (EASTLAWN PLAT)</u>							
S-0	92+07.27	LT-23.86	42" APRON ENDWALL	-	948.10	-	W/ GATE
S-0A	90+36.33	LT-9.27	5X5 SAS	964.00	956.36	7.64	W/ R-1550-0054
<u>GALILEO DR</u>							
S-1	51+30.92	RT-18.50	TERRACE INLET TYPE II	963.64	956.49	7.15	LP; PER SDD 5.7.12A; (1)
S-2	51+30.99	LT-18.50	TERRACE INLET TYPE II	963.64	956.81	6.83	LP; PER SDD 5.7.12A; (1)
S-3	50+83.10	LT-15.50	3X3 SAS	964.20	959.60	4.60	W/ R-3067-7004-V
S-4	50+41.15	LT-15.50	3X3 SAS	965.28	960.48	4.80	W/ R-3067-7004-V
S-5	51+90.51	LT-18.50	4X4 SAS	963.85	958.61	5.24	W/ R-3067-7004-V
S-6	53+31.41	LT-15.50	3X3 SAS	964.76	960.08	4.68	W/ R-3067-7004-V
S-7	54+44.73	LT-15.50	3X3 SAS	965.40	960.64	4.76	W/ R-3067-7004-V
<u>OL. 51</u>							
S-3A	19+36.85	LT-6.70	H INLET	964.80	960.98	3.82	LP; W/ R-3362-L
S-3B	19+36.82	RT-6.70	H INLET	965.14	961.42	3.72	LP; W/ R-3362-L
<u>OL. 50</u>							
S-6A	87+50.31	RT-6.70	H INLET	965.08	961.24	3.84	LP; W/ R-3362-L
S-6B	87+50.27	LT-6.70	H INLET	965.20	961.32	3.88	LP; W/ R-3362-L
<u>RAGAN STREET</u>							
S-8	19+61.31	RT-15.50	3X3 SAS	965.15	960.85	4.30	LP; W/ R-3067-7004-VB; (1)
S-8A	19+61.37	LT-15.50	H INLET	965.15	961.55	3.60	LP; W/ R-3067-7004-VB; (1)
S-9	18+32.14	RT-15.50	3X3 SAS	966.72	962.15	4.57	W/ R-3067-7004
S-9A	18+25.03	LT-15.50	H INLET	966.82	963.22	3.60	W/ R-3067-7004
S-10	17+45.25	RT-15.50	3X3 SAS	968.02	963.67	4.35	W/ R-3067-7004
S-10A	17+20.87	LT-15.50	H INLET	968.38	964.78	3.60	W/ R-3067-7004
<u>MISTY BRIDGE ROAD</u>							
S-11	19+12.00	RT-15.50	3X3 SAS	963.62	959.32	4.30	LP; W/ R-3067-7004-VB; (1)
S-11A	18+93.30	RT-15.50	H INLET	963.73	960.13	3.60	W/ R-3067-7004-V
S-12	19+12.00	LT-15.50	H INLET	963.62	960.02	3.60	LP; W/ R-3067-7004-VB; (1)
S-12A	18+77.12	LT-15.50	H INLET	963.91	960.31	3.60	W/ R-3067-7004-V

SPECIFIC NOTES:

(1) INSTALL 2" PVC DRAIN PIPE PER CITY OF MADISON S.D.D. 5.7.7A

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.

-KOR N SEAL BOOTS OR EQUIVALENT SHALL BE USED FOR ALL PIPE CONNECTIONS TO PRECAST INLETS. IN ADDITION, KOR N SEAL BOOTS SHALL BE REQUIRED FOR ANY TYPE II PIPE CONNECTIONS TO SAS STORM STRUCTURES. CONCRETE COLLARS OR KOR N SEAL MAY BE USED FOR ANY RCP OR HERCP CONNECTIONS TO SAS STORM STRUCTURES.

-ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.

-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.

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
P-0	S-0	S-0A	948.10	956.36	209	207	3.99%	42"	RCP	-
P-0A	S-0A	S-1	956.36	956.49	18	13	1.00%	42"	RCP	-
P-1	S-1	S-2	956.49	956.81	37	32	1.00%	42"	RCP	-
P-2	S-2	S-3	958.56	959.60	46	43	2.42%	21"	RCP	-
P-3	S-3	S-4	959.60	960.48	40	37	2.38%	21"	RCP	-
P-3A	S-3	S-3A	960.35	960.98	20	17	3.71%	12"	RCP	-
P-3B	S-3A	S-3B	960.98	961.42	16	13	3.38%	12"	RCP	-
P-5	S-2	S-5	958.31	958.61	60	56	0.54%	24"	RCP	-
P-6	S-5	S-6	959.11	960.08	145	141	0.69%	18"	RCP	-
P-6A	S-6	S-6A	960.58	961.24	20	17	3.88%	12"	RCP	-
P-6B	S-6A	S-6B	961.24	961.32	16	13	0.62%	12"	RCP	-
P-7	S-6	S-7	960.08	960.64	113	110	0.51%	18"	RCP	-
P-8	S-7	S-8	960.64	960.85	42	38	0.55%	18"	RCP	-
P-8A	S-8	S-8A	961.35	961.55	33	30	0.67%	12"	RCP	-
P-9	S-8	S-9	960.85	962.15	127	124	1.05%	18"	RCP	-
P-9A	S-9	S-9A	962.65	963.22	34	31	1.84%	12"	RCP	-
P-10	S-9	S-10	962.40	963.67	85	82	1.55%	15"	RCP	-
P-10A	S-10	S-10A	963.92	964.78	41	37	2.32%	12"	RCP	-
P-11	S-5	S-11	959.11	959.32	42	38	0.55%	18"	RCP	-
P-11A	S-11	S-11A	959.82	960.13	19	16	1.94%	12"	RCP	-
P-12	S-11	S-12	959.82	960.02	33	30	0.67%	12"	RCP	-
P-12A	S-12	S-12A	960.02	960.31	35	33	0.88%	12"	RCP	-

- 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

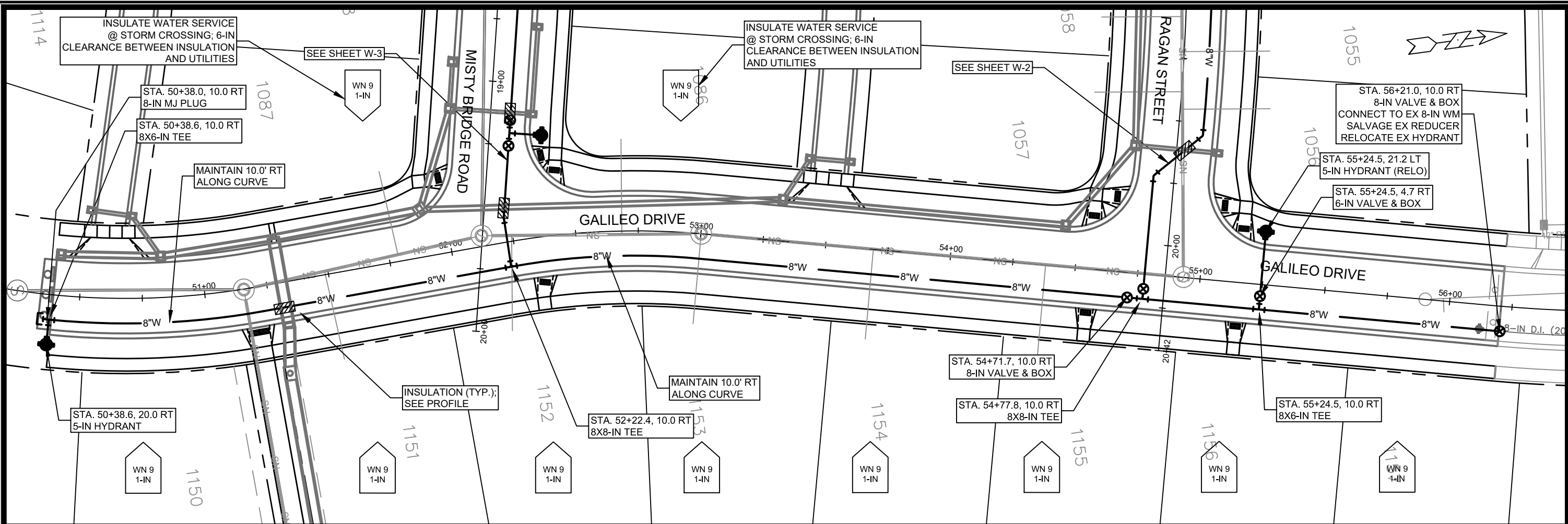
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.

- 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 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 PRECAST APPROVALS. FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

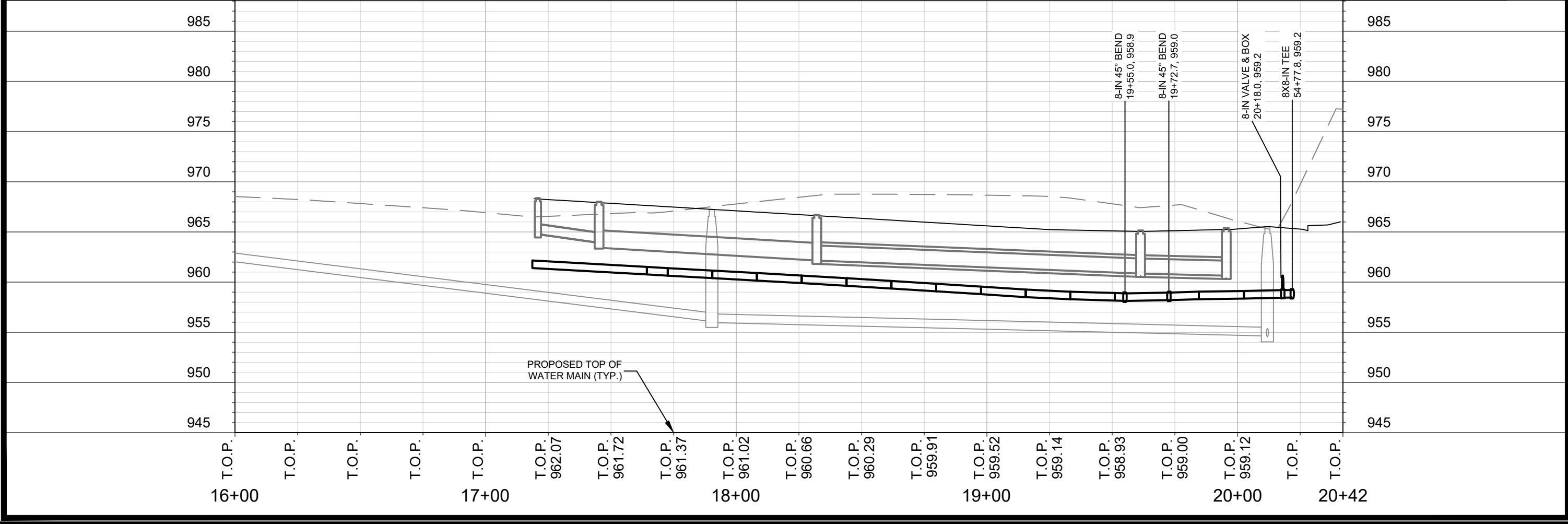
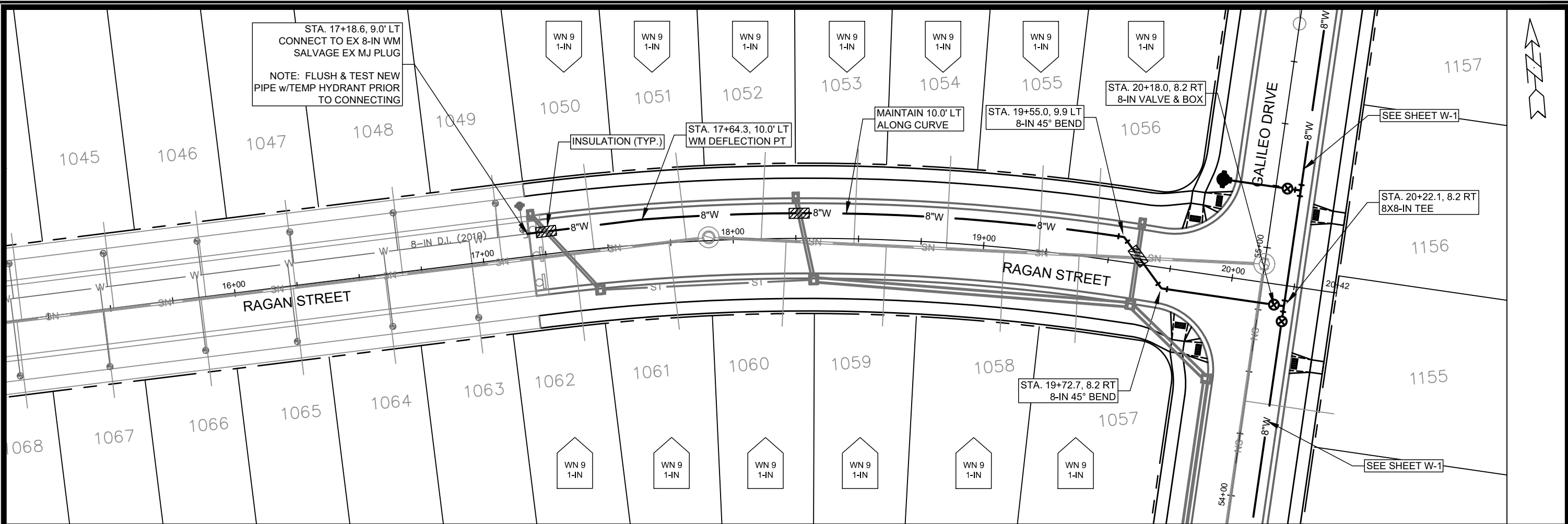


CONTRACT NO: 8487

GRANDVIEW COMMONS NE PH 3
 WATER PLAN & PROFILE: GALILEO DRIVE
 CITY OF MADISON, WISCONSIN



12712
 W-1

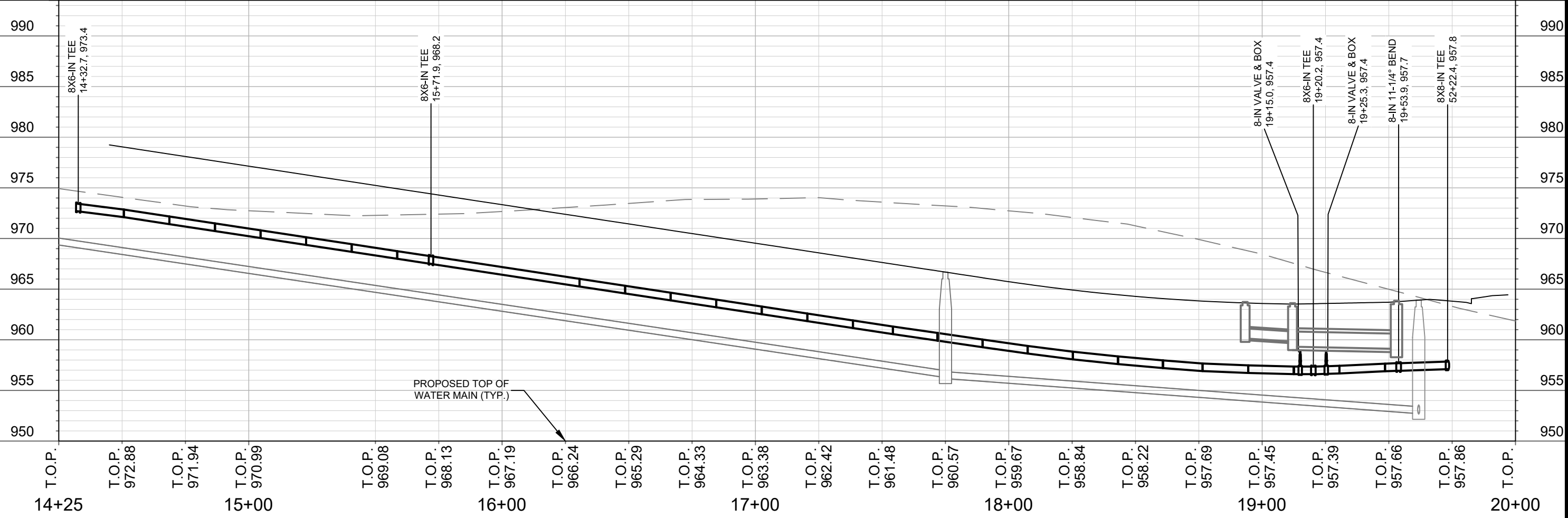
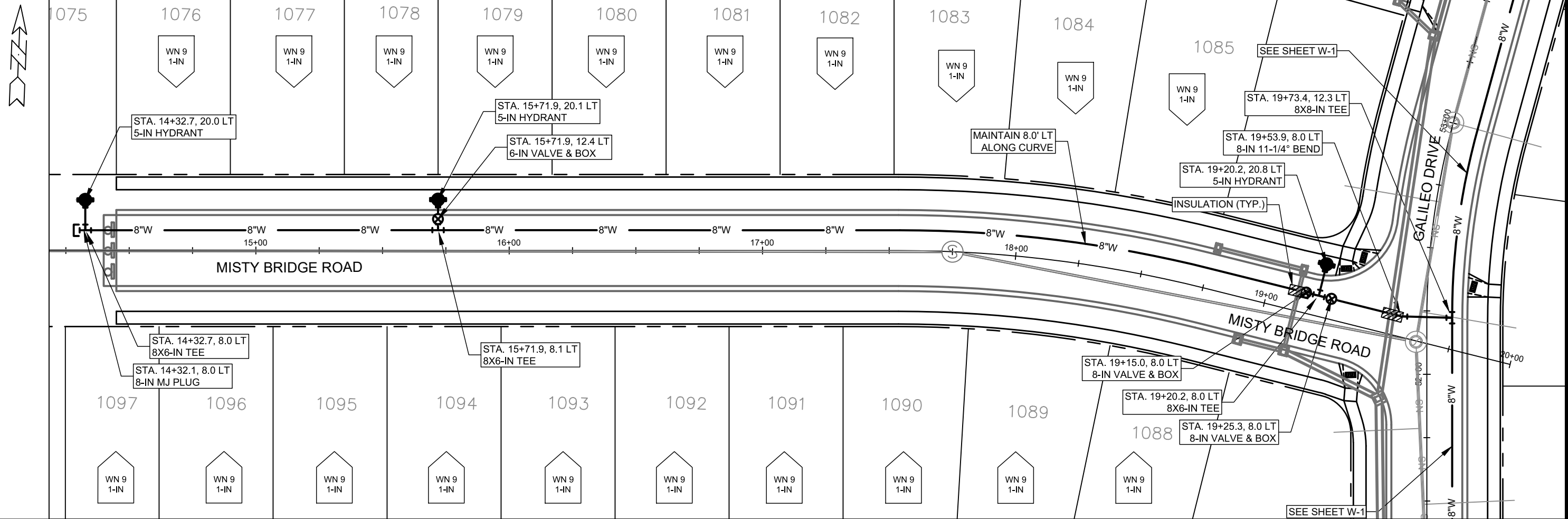


GRANDVIEW COMMONS NE PH 3
 WATER PLAN & PROFILE: RAGAN STREET
CITY OF MADISON, WISCONSIN

SCALE: 1" = 40'
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/25/20

CONTRACT NO: 8487

12712
 W-2



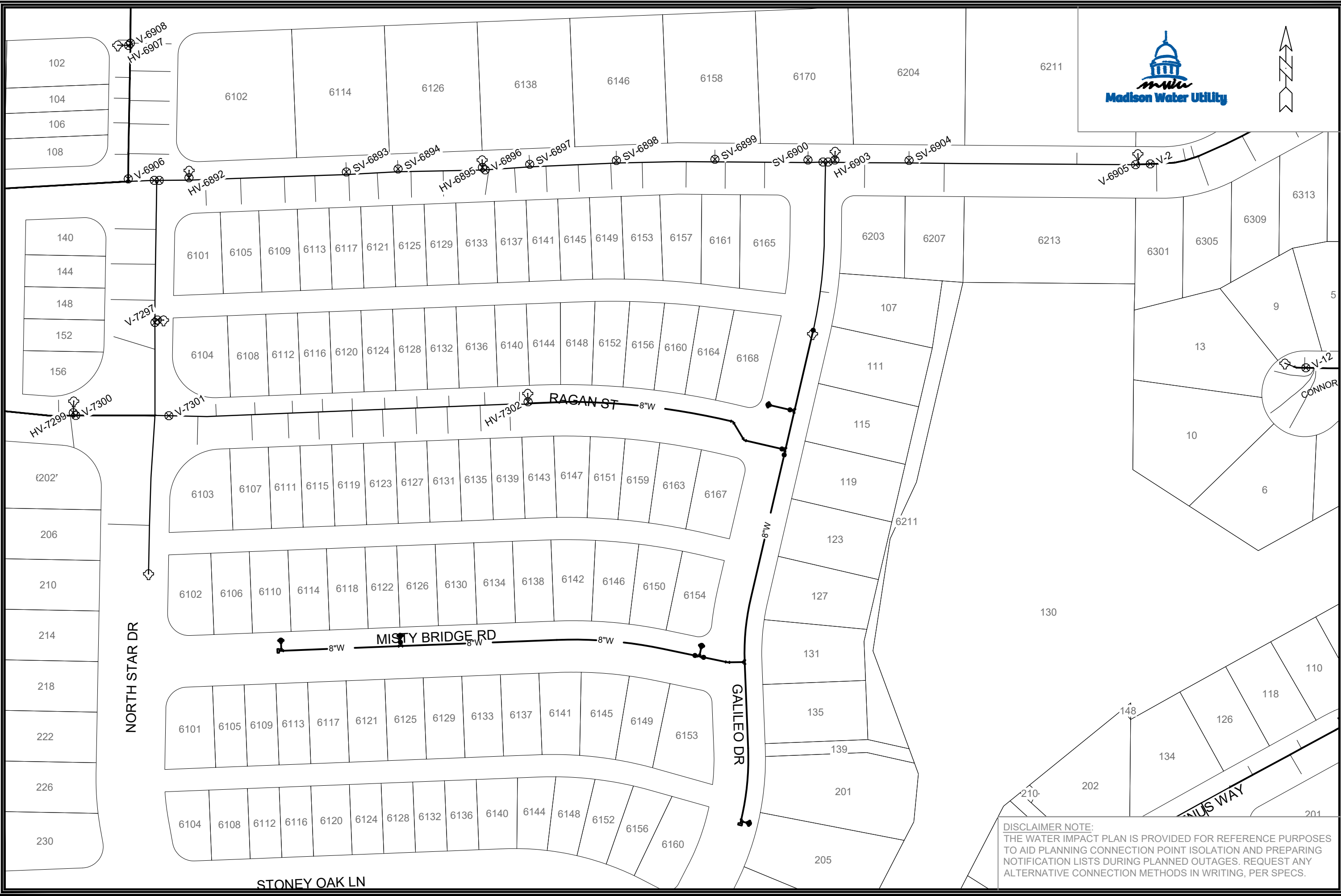
SCALE: 1" = 40'
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/25/20

CONTRACT NO: 8487

GRANDVIEW COMMONS NE PH 3
 WATER PLAN & PROFILE: MISTY RIDGE ROAD
 CITY OF MADISON, WISCONSIN



12712
 W-3



SCALE: 1" = 100'
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/25/2020

CONTRACT NO: 8487

GRANDVIEW COMMONS NE PH3
 WATER IMPACT PLAN
 CITY OF MADISON, WISCONSIN



12712
 W-4

DISCLAIMER NOTE:
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES
 TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING
 NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY
 ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.



CONSTRUCTION NOTES:

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 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. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. CONTRACTOR IS RESPONSIBLE OR 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> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

WATER UTILITY ULO SCHEDULE

N/A

ESTIMATE OF NEW MATERIALS*

DESCRIPTION	QUANTITY	UNIT
FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	80	LNFT
FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	1480	LNFT
FURNISH AND INSTALL 6-INCH WATER VALVE	2	EACH
FURNISH AND INSTALL 8-INCH WATER VALVE	5	EACH
FURNISH INSTALL AND SALVAGE HYDRANT	4	EACH
RELOCATE HYDRANT	1	EACH
FURNISH AND INSTALL 1-INCH SERVICE LATERALS	43	EACH
CUT-IN OR CONNECT TO EXISTING WATER SYSTEM	2	EACH
FURNISH AND INSTALL STYROFOAM	64	LNFT
8-IN MJ PLUG	2	EACH
8-IN 45° BEND	2	EACH
8-IN 11-1/4° BEND	1	EACH
8X6-IN TEE	5	EACH
8X8-IN TEE	2	EACH

ESTIMATE OF REUSED AND SALVAGED MATERIALS*

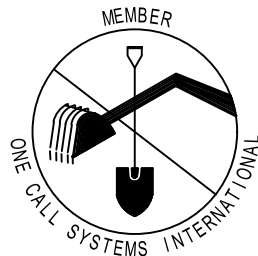
DESCRIPTION	QUANTITY	TYPE
5-IN HYDRANT	1	REUSE
8X6-IN REDUCER	1	SALVAGE

* ESTIMATES OF MATERIALS ARE 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.

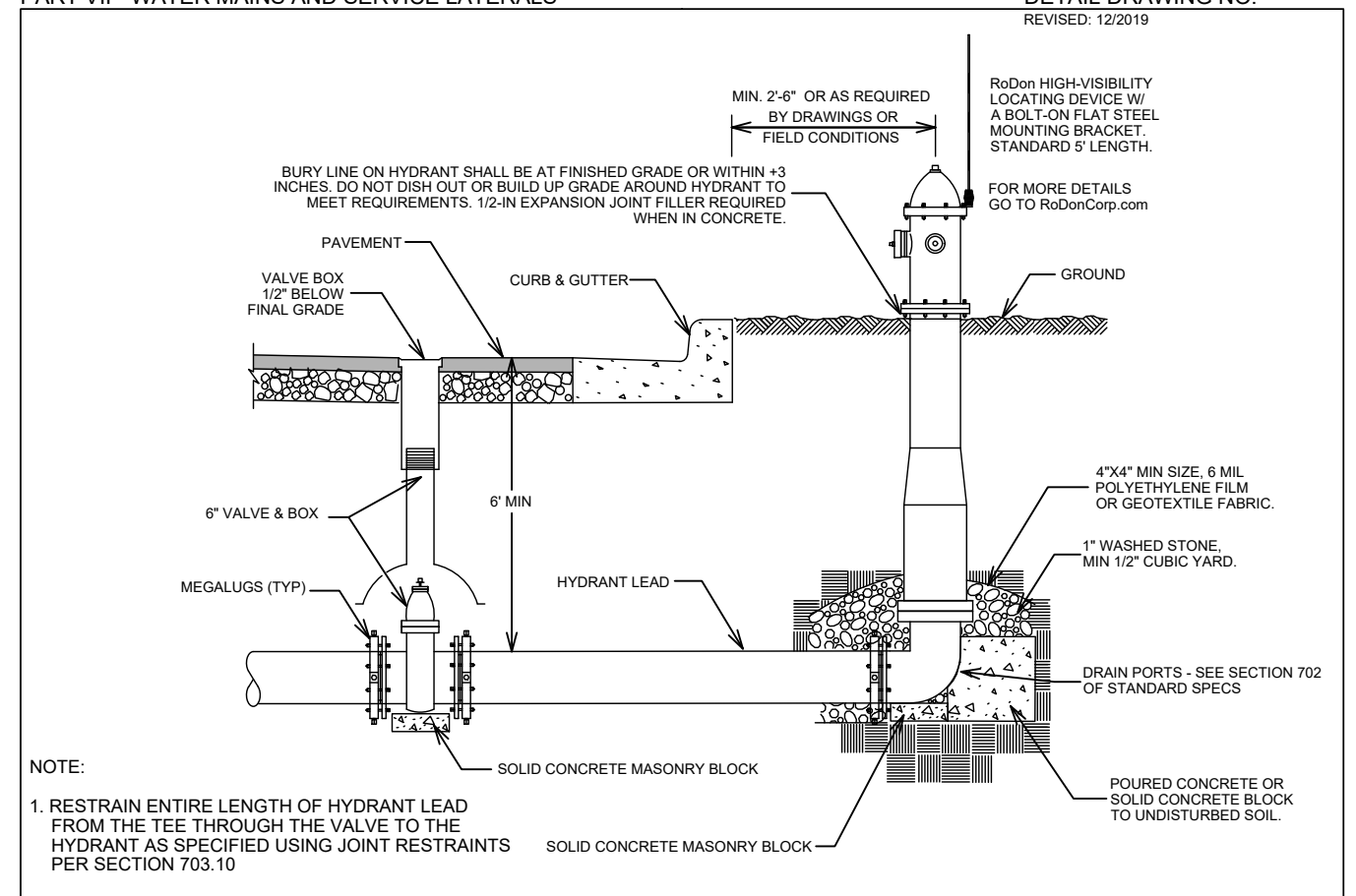


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2019



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: PEH
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 6/25/20

CONTRACT NO: 8487

GRANDVIEW COMMONS NE PH 3

WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN







12712

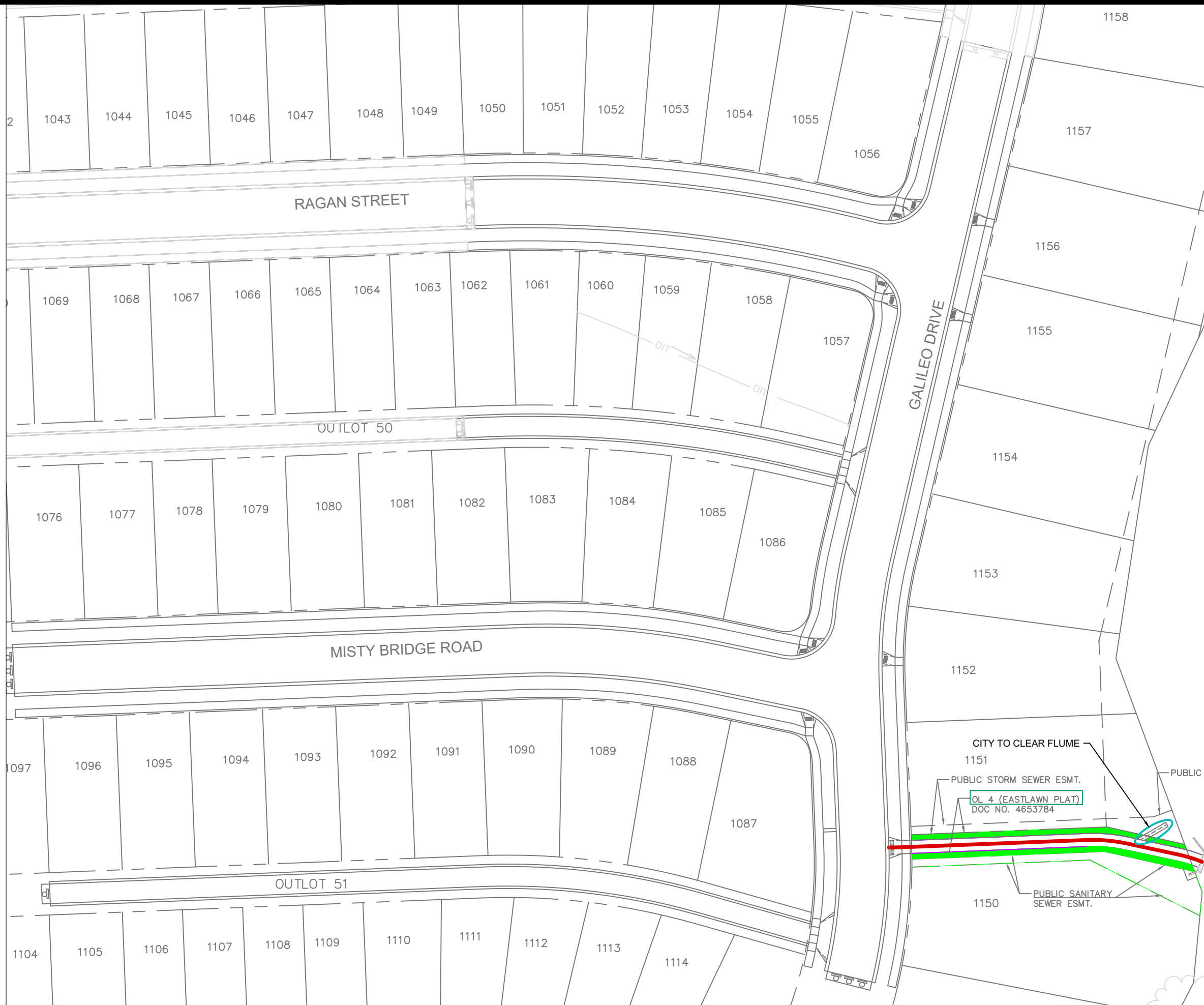
W-5



MAINTENANCE LEGEND:

-  = PUBLIC CITY ENGINEERING WALKWAYS AND BIKEPATHS
-  = TERRACE REQUIRE MOWING BY CITY
-  = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
-  = CROSSWALK OR CONCRETE WATERWAY MAINTAINED BY CITY (REQUIRES SNOW REMOVAL BY CITY)

SCALE 1" = 60'



MARK	REVISION	DATE	BY

12712
 MADISON, WI
 CONTRACT NO: 8487

MAINTENANCE MAP
NORTH EAST ADDITION TO GRANDVIEW COMMONS - PHASE 3
 M:\DESIGN\Projects\12712\CAD\Streets\12712EN-Maintenance.dwg



12712
 MN-1

Designed By: JS
 Date: 5/28/2020 12:17 PM
 Scale: 1/60
 MN-1