



Madison, Wisconsin

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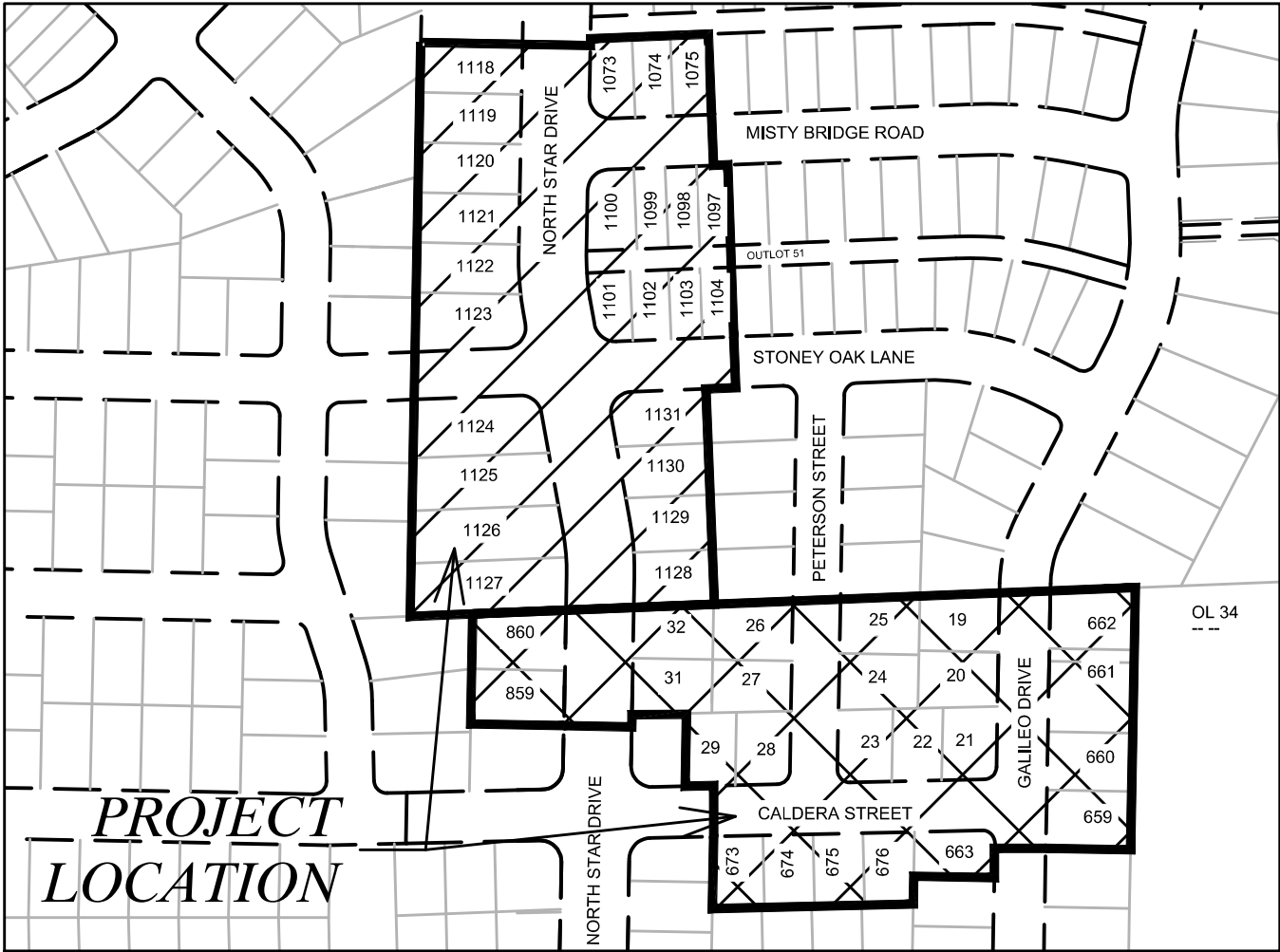
CITY OF MADISON
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT
GVCNE4 & GVC27

GRANDVIEW COMMONS
PHASE 27 (GVC27)

CITY PROJECT NO. 13299
CONTRACT NO. 8972

NORTHEAST ADDITION
TO
GRANDVIEW COMMONS
PHASE 4 (GVCNE4)

CITY PROJECT NO. 13301
CONTRACT NO. 8974



- GVC27
- GVCNE4

PUBLIC IMPROVEMENT PROJECT
APPROVED

JANUARY 19, 2021

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

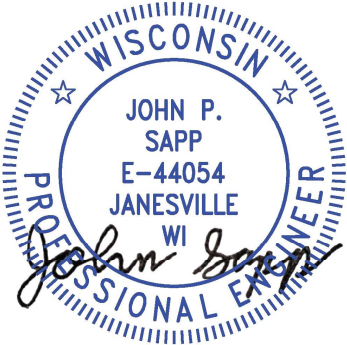
Greg Fries

May 21, 2021

City Engineer

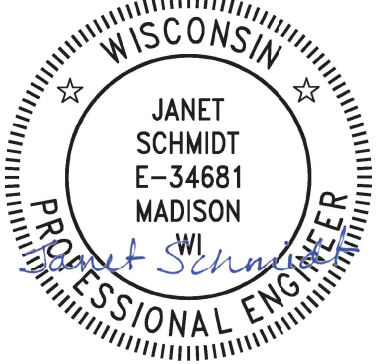
Date

STREET GRADES
DESIGNED BY:



May 21, 2021

STORM SEWER
DESIGNED BY:



May 21, 2021

SANITARY SEWER
DESIGNED BY:



May 21, 2021

STREET GEOMETRIC
DESIGNED BY:



May 21, 2021

WATER
DESIGNED BY:



May 21, 2021

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

PLOT NAME: ---

REV. DATE: 5/14/2021 10:28 AM

ORIGINATOR: CITY_OF_MADISON

ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)

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

CONTACT PROJECT ENGINEER AND STREET DESIGNER IKE OKAFOR AT IOKAFOR@CITYOFMADISON.COM FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	—— G ——
STORM SEWER	—— ST ——
SANITARY SEWER	—— SN ——
WATER	—— W ——
BURIED ELECTRIC	—— E ——
OVERHEAD ELECTRIC	—— OH ——
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

ALL PAVEMENT IN THE MISTY BRIDGE ROAD, STONEY OAK LANE, CALDERA STREET, PETERSON STREET, AND GALILEO DRIVE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE NORTH STAR DRIVE 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 BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. 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.

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.

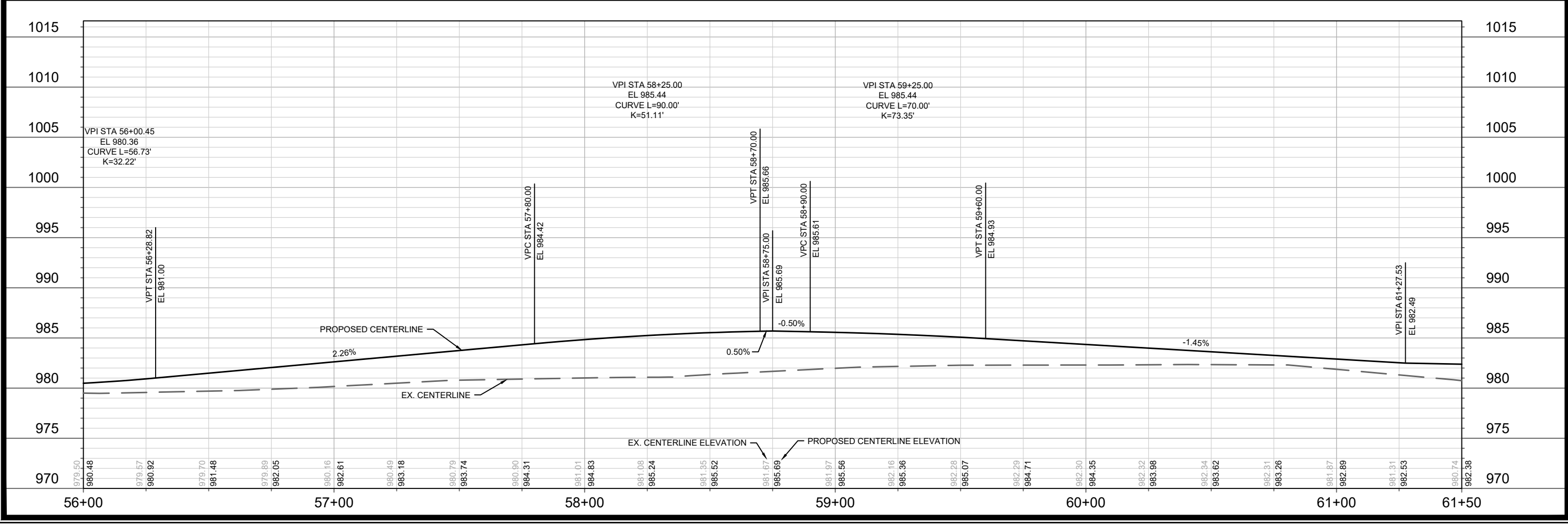
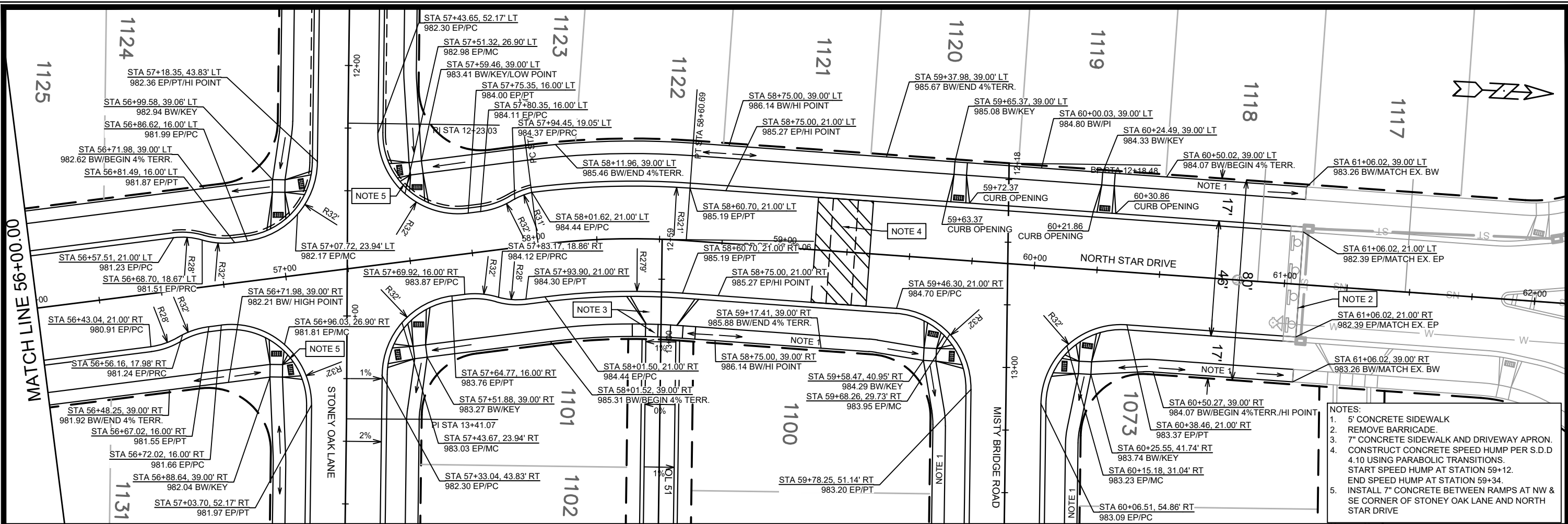
THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

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



GENERAL NOTES	13301 & 13299	MADISON, WI	CONTRACT NO: 8974 & 8972	13301 & 13299	D-1		
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13301 & 13299							
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13301 & 13299

MADISON, WI

CONTRACT NO: 8974 & 8972

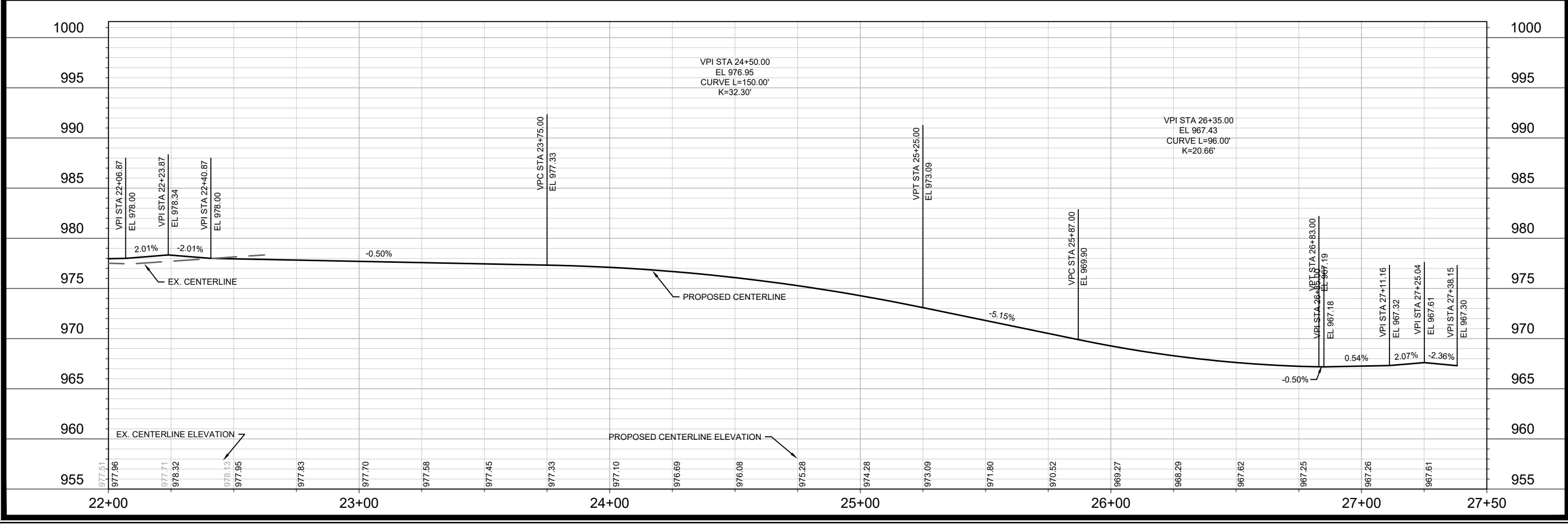
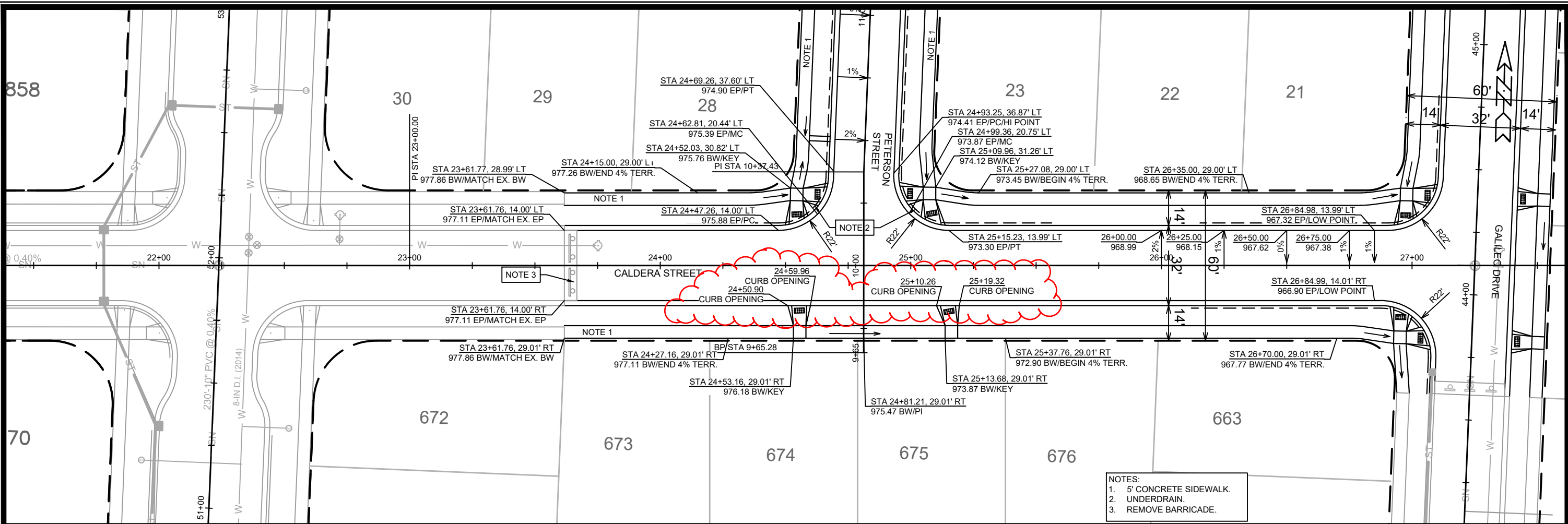
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GVCNE4 & GVC27

13301 & 13299

13301 & 13299

P-2



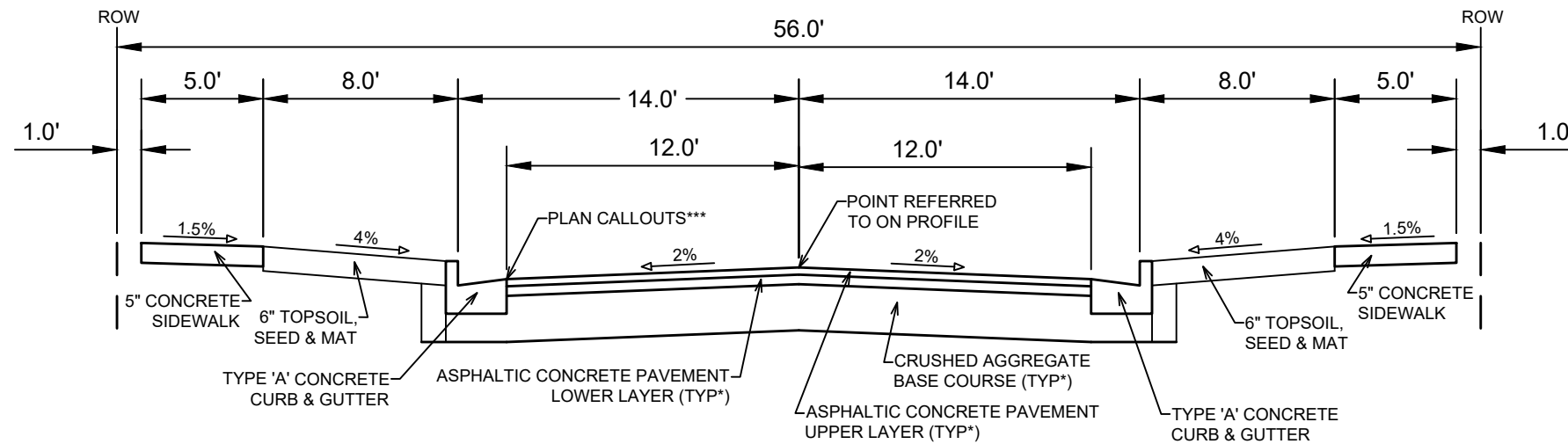
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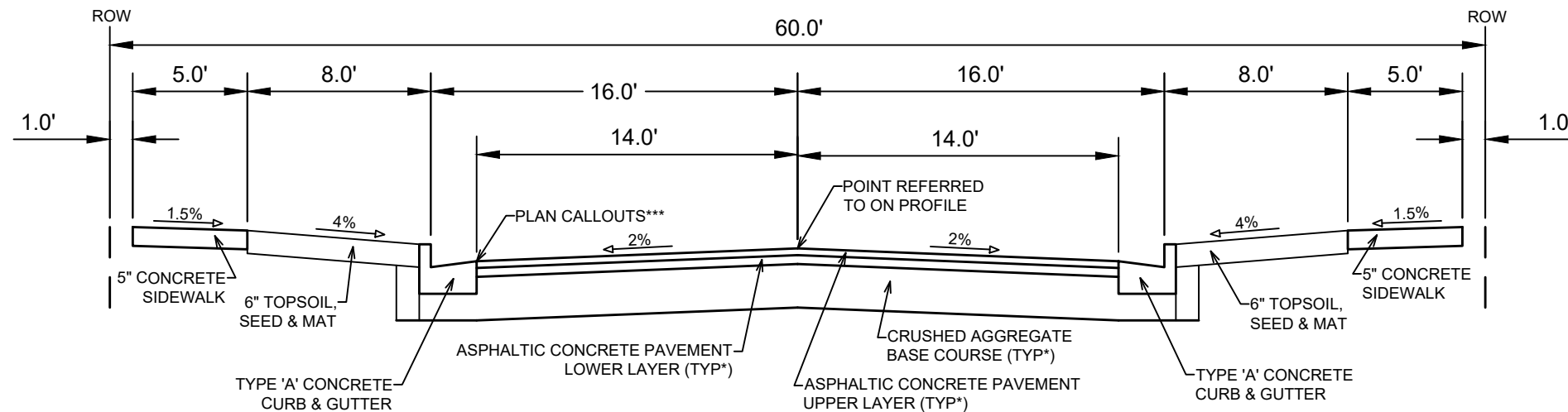
13301 & 13299
MADISON, WI
CONTRACT NO: 8974 & 8972
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CALDERA STREET PLAN & PROFILE
GVCNE4 & GVC27
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13301 & 13299
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TYPICAL SECTION
STONEY OAK LANE (WEST)
 (STA 10+80 TO STA 12+25)



TYPICAL SECTION
STONEY OAK LANE
 (STA 13+37 TO STA 14+78)

NOTES:

* STONEY OAK LANE SHALL BE CONSTRUCTED AS
 TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†

** SEE PLAN AND PROFILE FOR SLOPES, ELEVATIONS AND OFFSETS

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

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 4.
 SEE CONTRACT NO. 8975, PROJECT NO. 13302.

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 27.
 SEE CONTRACT NO. 8972, PROJECT NO. 13299

CITY OF MADISON MINIMUM PAVEMENT DESIGN †

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

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REVISION	DATE
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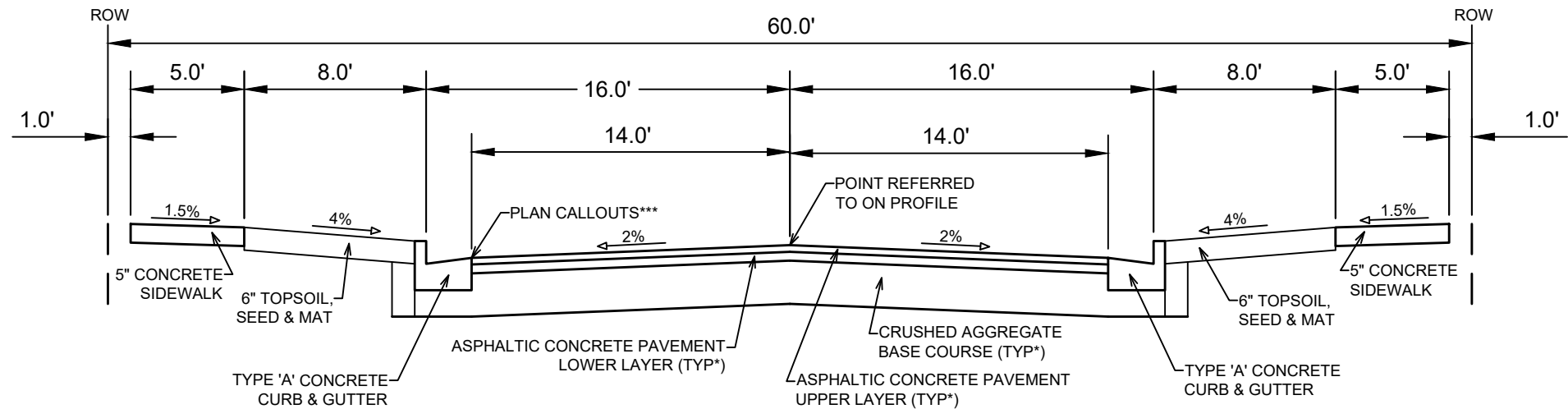
13301 & 13299
 MADISON, WI
 CONTRACT NO: 8974 & 8972

TYPICAL SECTION
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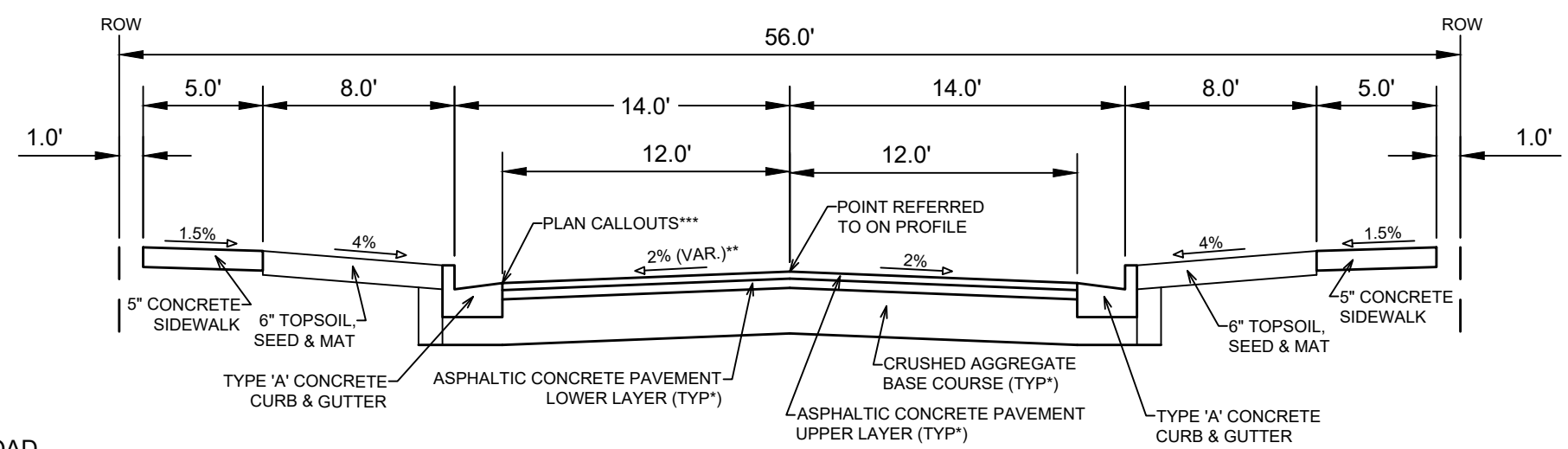


13301 & 13299

D-2



TYPICAL SECTION
 CALDERA STREET
 GALILEO DRIVE
 MISTY BRIDGE ROAD



TYPICAL SECTION
 PETERSON STREET

NOTES:
 * CALDERA STREET, GALILEO DRIVE, PETERSON STREET, AND MISTY BRIDGE ROAD SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†.

** SEE PLAN AND PROFILE FOR SLOPES, ELEVATIONS AND OFFSETS. NORTH STAR DRIVE VARIES AT BUMP OUTS.

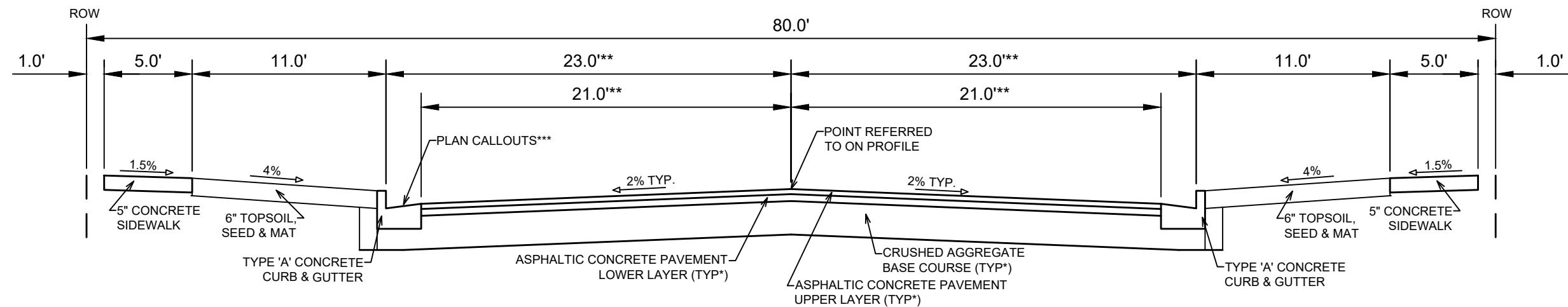
*** STATION OFFSET ELEVATION CALLOUTS AT **EDGE OF PAVEMENT**

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 4. SEE CONTRACT NO. 8975, PROJECT NO. 13302

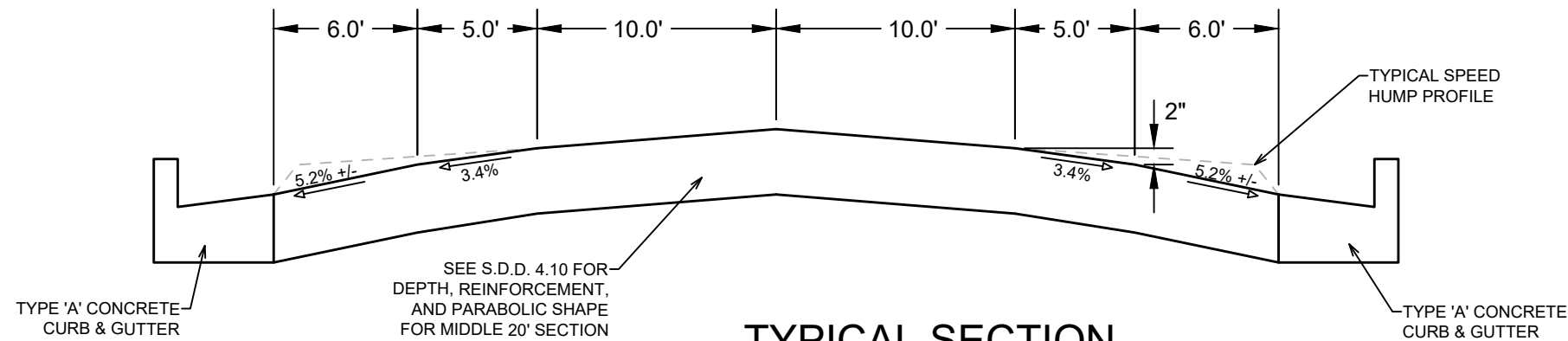
- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 27. SEE CONTRACT NO. 8972, PROJECT NO. 13299

CITY OF MADISON MINIMUM PAVEMENT DESIGN †					
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	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		
			TYPE	THICKNESS	
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H

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TYPICAL SECTION		
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13301 & 13299		
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TYPICAL SECTION
NORTH STAR DRIVE



TYPICAL SECTION
MODIFIED SPEED HUMPS CROSS SECTION
(SCALED 4:1 VERTICALLY)
STA 53+49 AND STA 59+23 ON NORTH STAR LANE

NOTES:

* NORTH STAR LANE SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†

** SEE PLAN AND PROFILE FOR SLOPES, ELEVATIONS AND OFFSETS

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

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 4.
SEE CONTRACT NO. 8975, PROJECT NO. 13302

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 27.
SEE CONTRACT NO. 8972, PROJECT NO. 13299

CITY OF MADISON MINIMUM PAVEMENT DESIGN †

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

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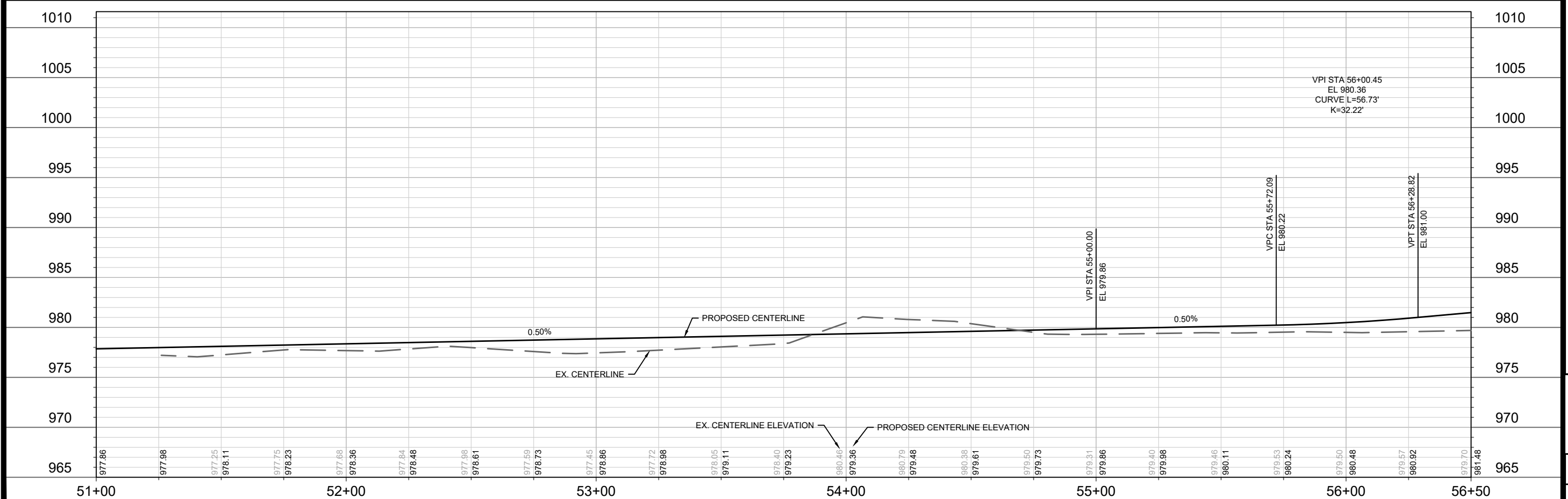
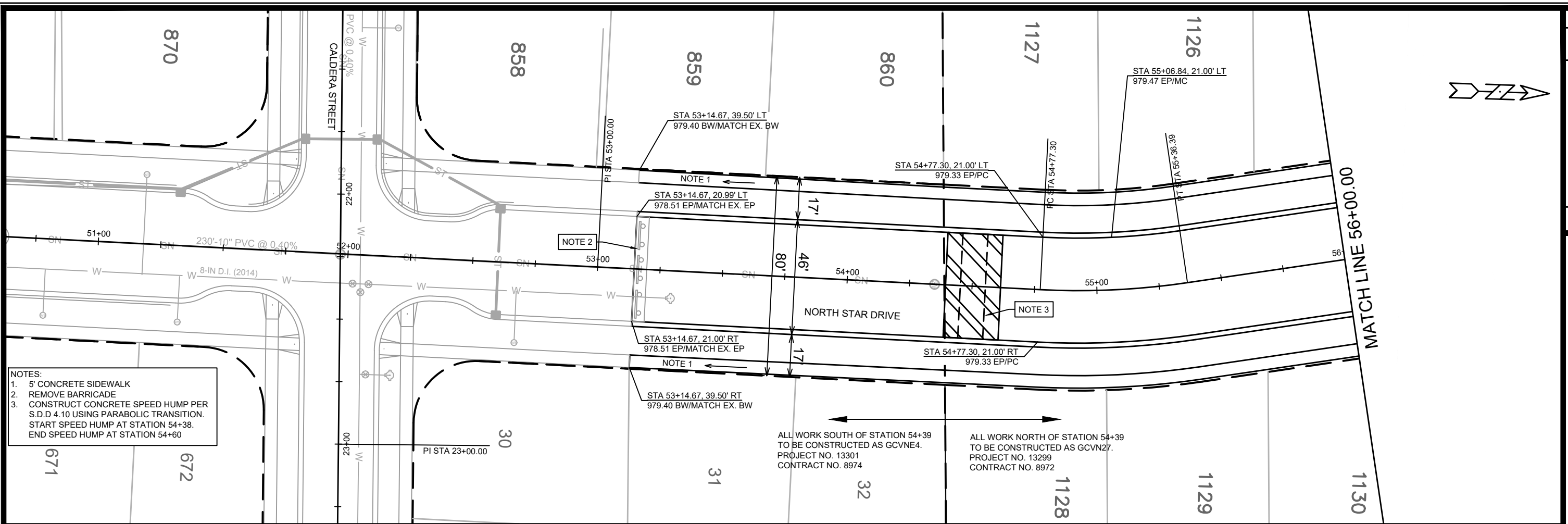
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MADISON, WI
CONTRACT NO: 8974 & 8972

TYPICAL SECTION
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13301 & 13299

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13301 & 13299

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NORTH STAR DRIVE PLAN & PROFILE

13301 & 13299

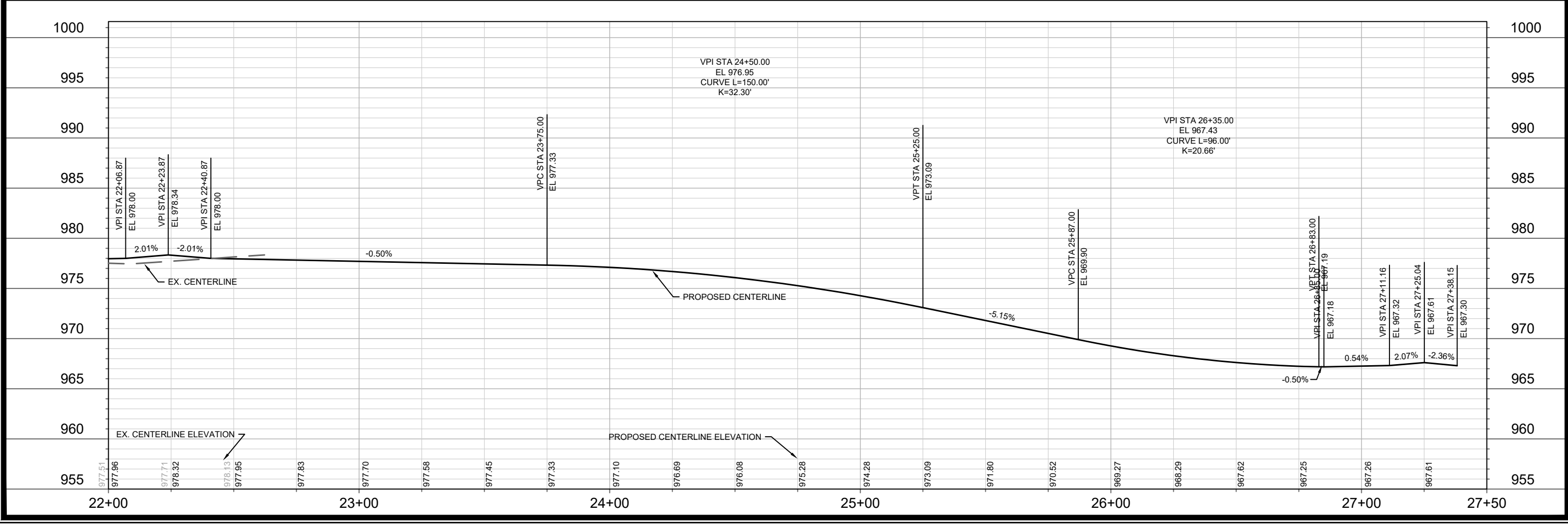
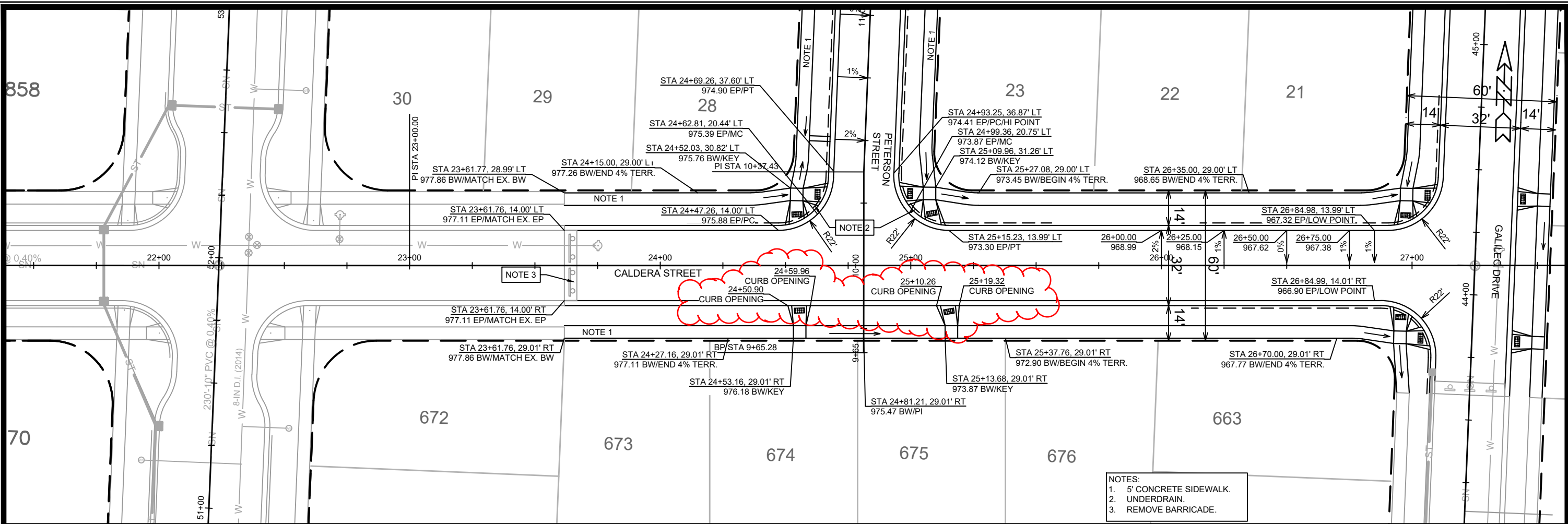
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MADISON, WI

CONTRACT NO: 8974 & 8972

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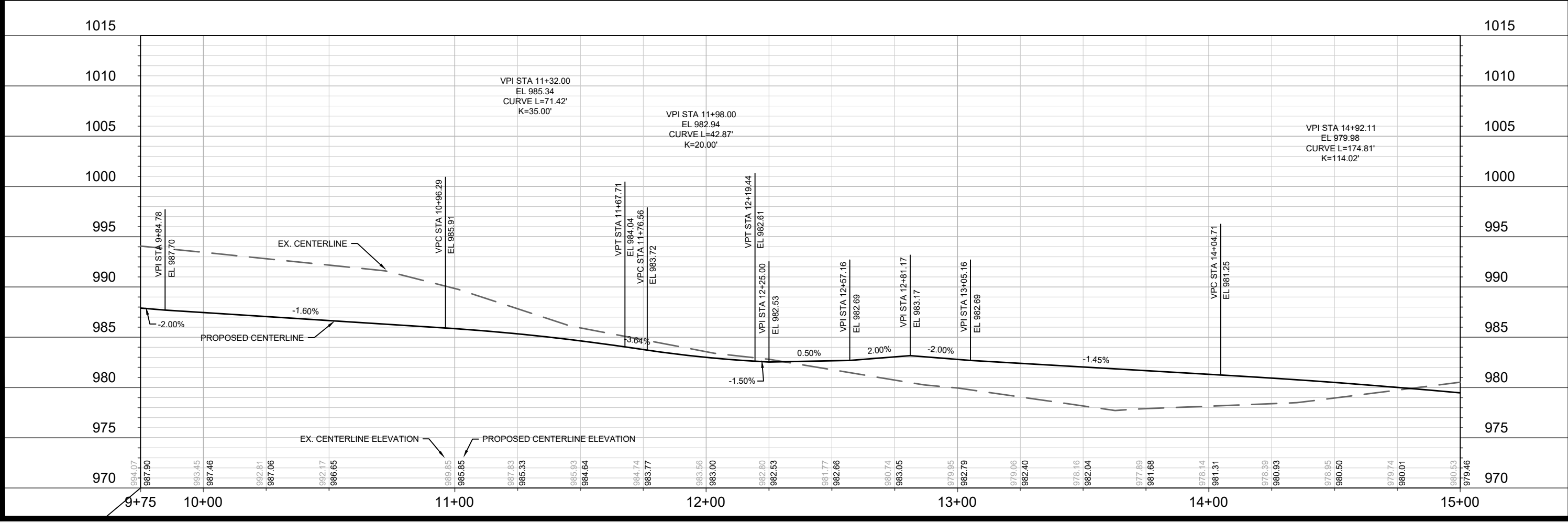
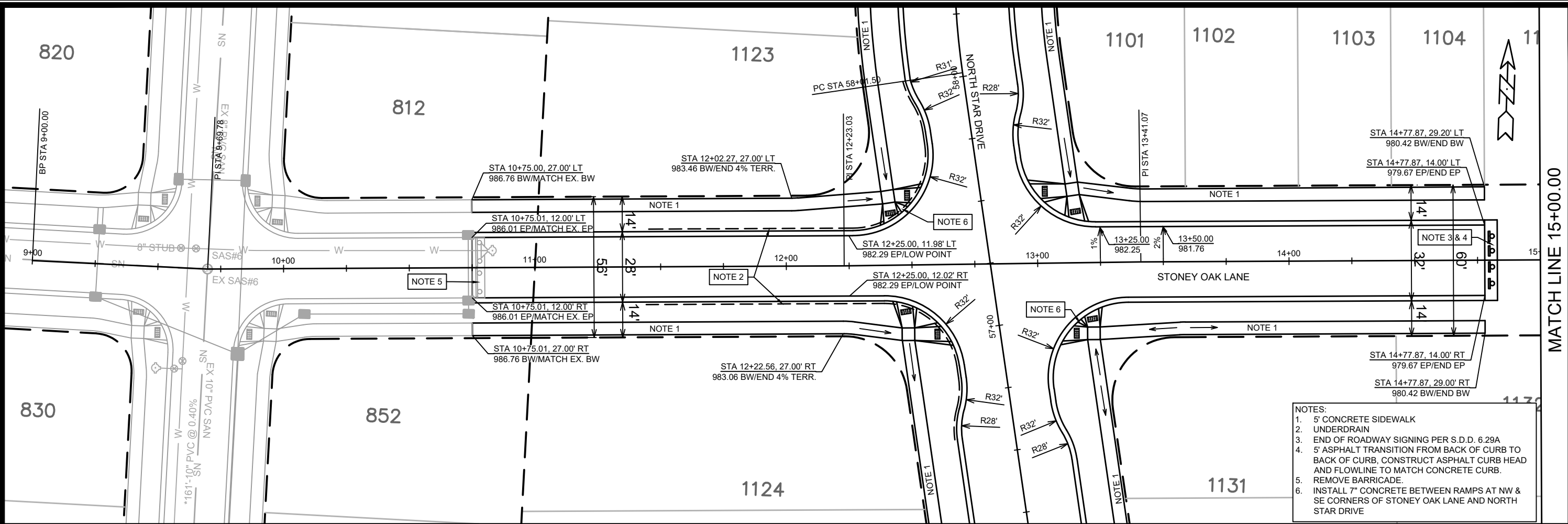
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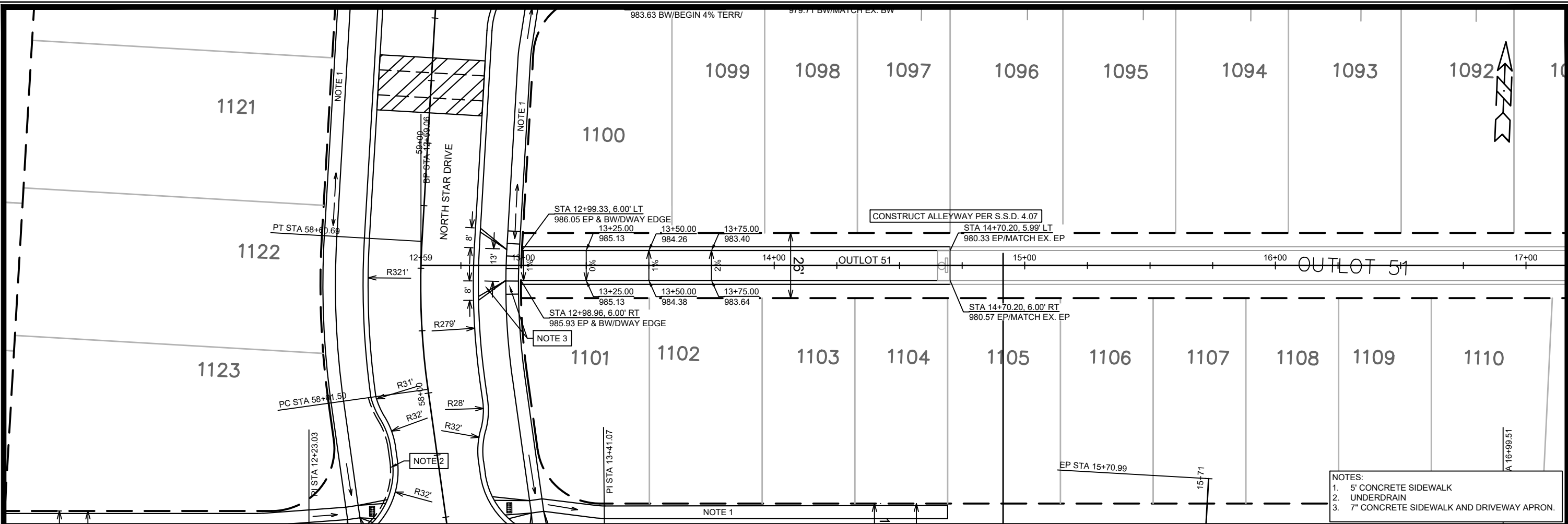
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13301 & 13299
MADISON, WI
CONTRACT NO: 8974 & 8972
P-3

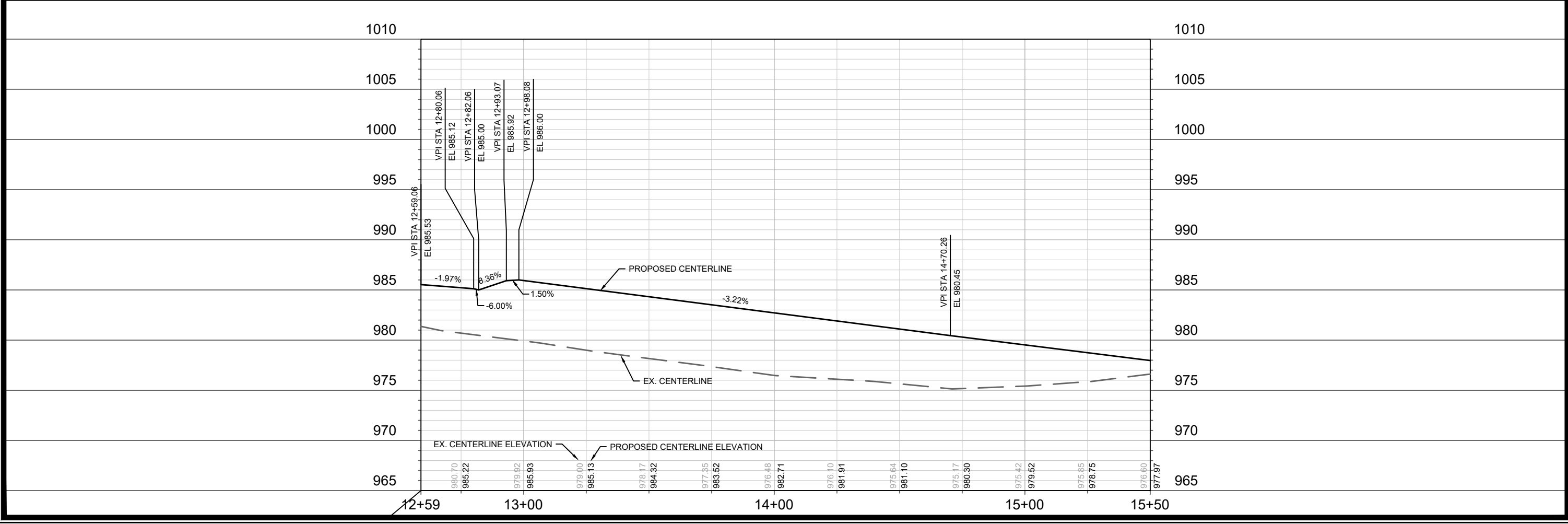
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P-3

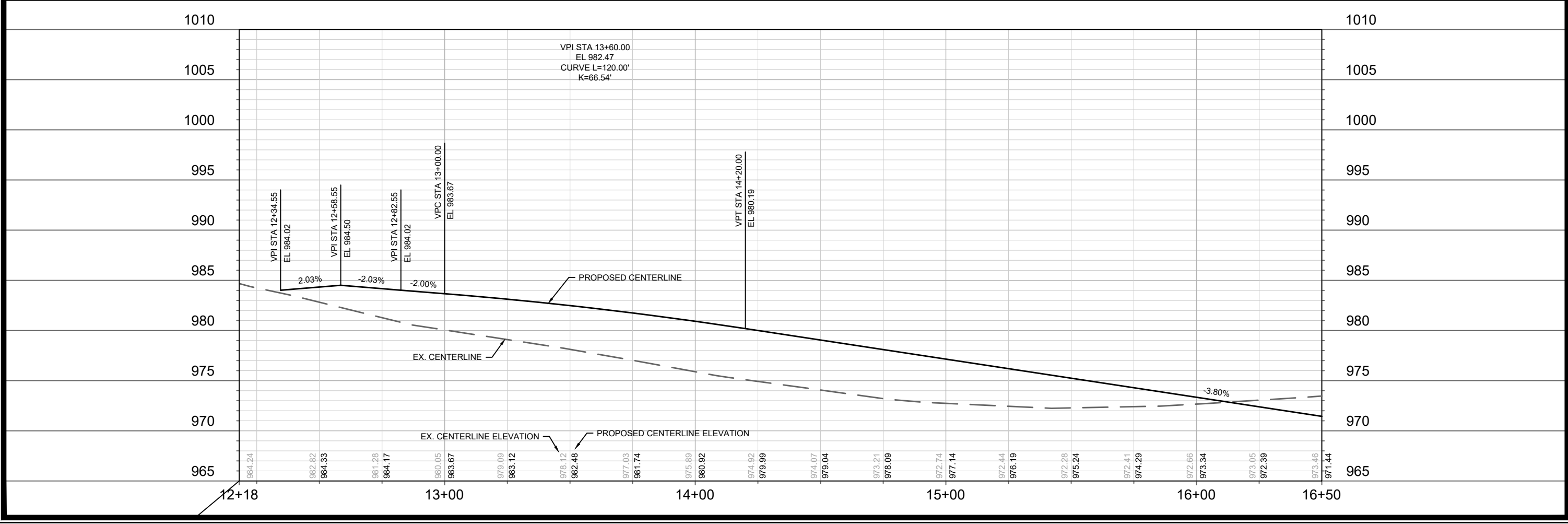
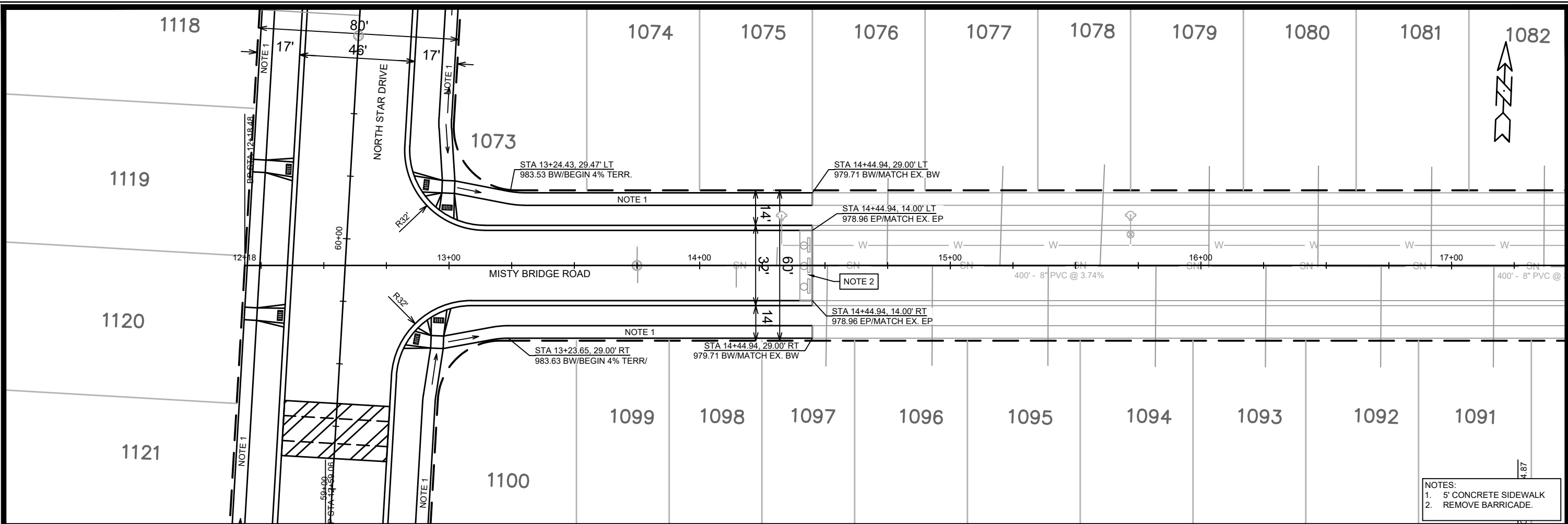




- NOTES:
- 1. 5' CONCRETE SIDEWALK
 - 2. UNDERDRAIN
 - 3. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON.



13301 & 13299	MADISON, WI	CONTRACT NO: 8974 & 8972	13301 & 13299	P-5
OL 51 PLAN & PROFILE	GVCNE4 & GVC27	M:\DESIGN\Projects\13301\CAD\Streets\13301\EN-PnP.dwg	13301 & 13299	P-5
				
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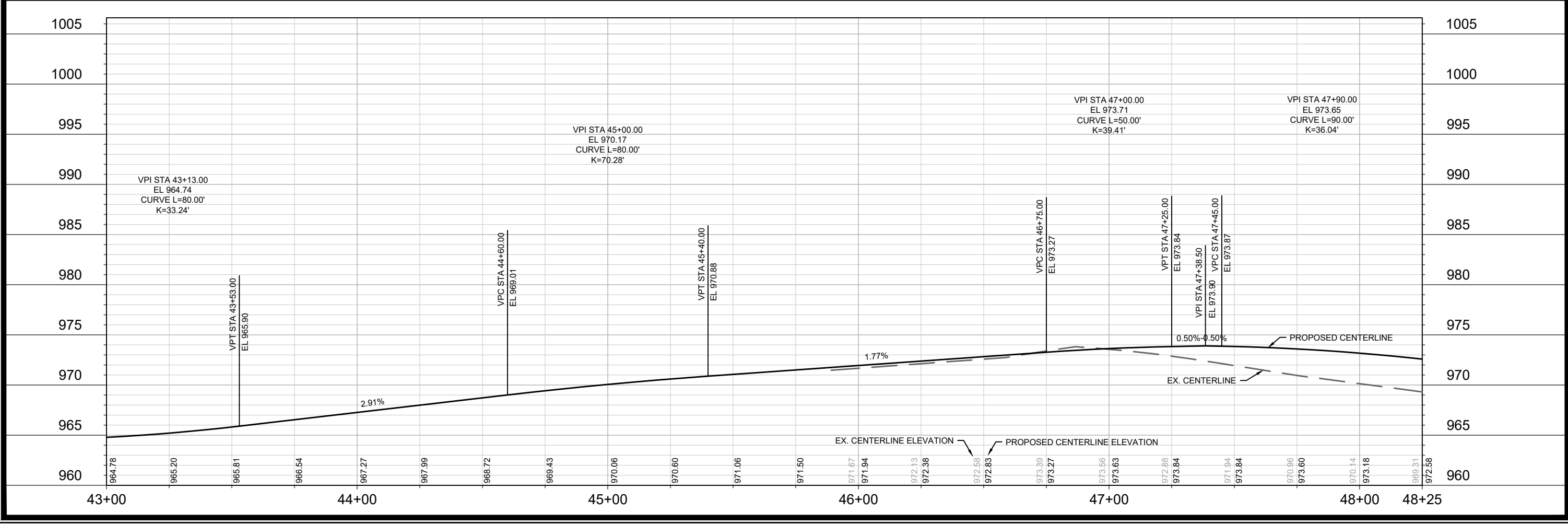
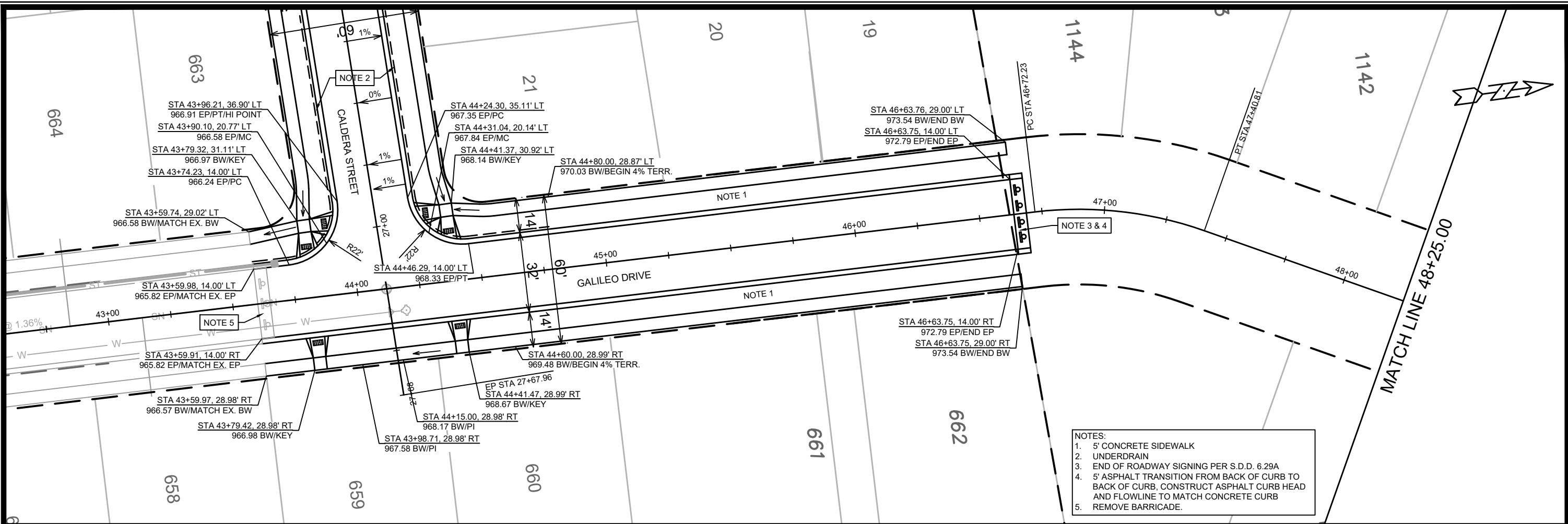
13301 & 13299	MADISON, WI	CONTRACT NO: 8974 & 8972
MISTY BRIDGE ROAD PLAN & PROFILE		
GVCNE4 & GVC27		
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CITY OF MADISON WISCONSIN



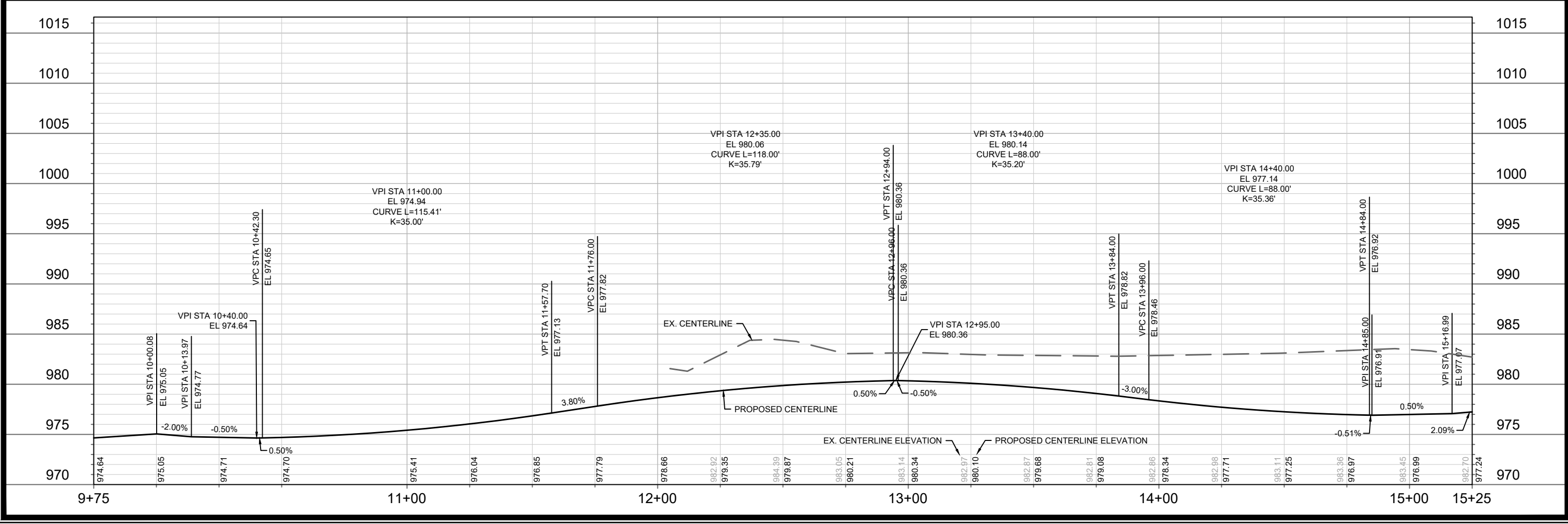
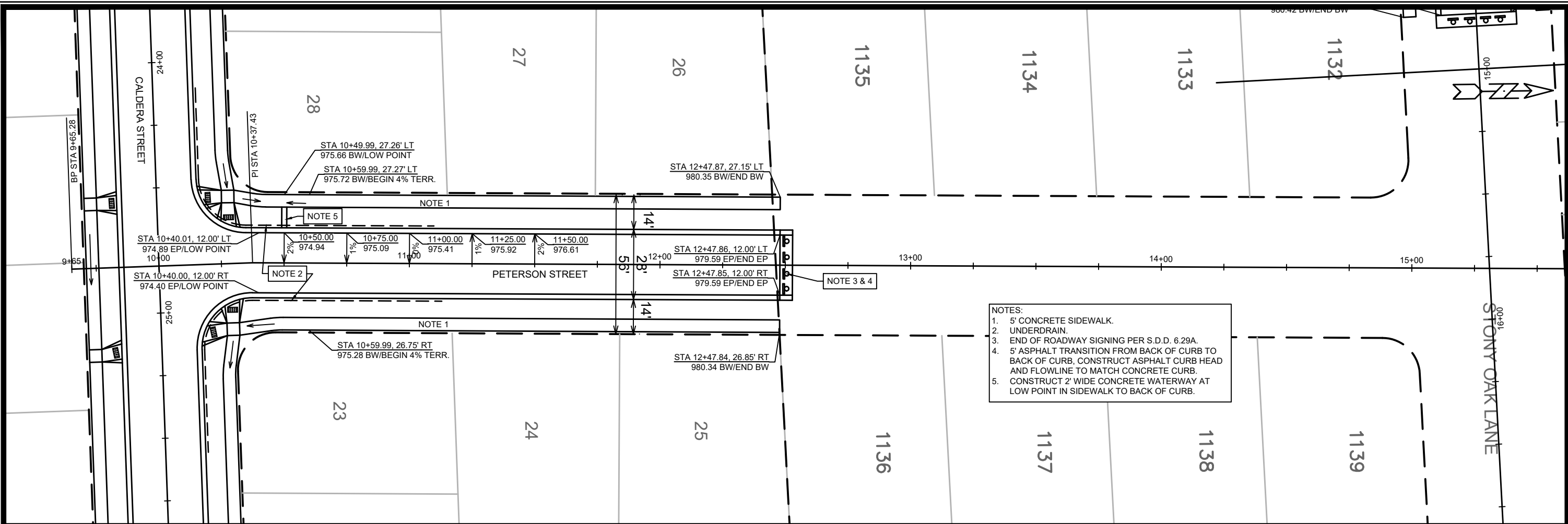
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13301 & 13299

13301 & 13299
MADISON, WI
CONTRACT NO: 8974 & 8972
P-7

GALILEO DRIVE PLAN AND PROFILE
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	13301 & 13299	

PETERSON PLAN & PROFILE

GVCNE4 & GVC27

MADISON, WI

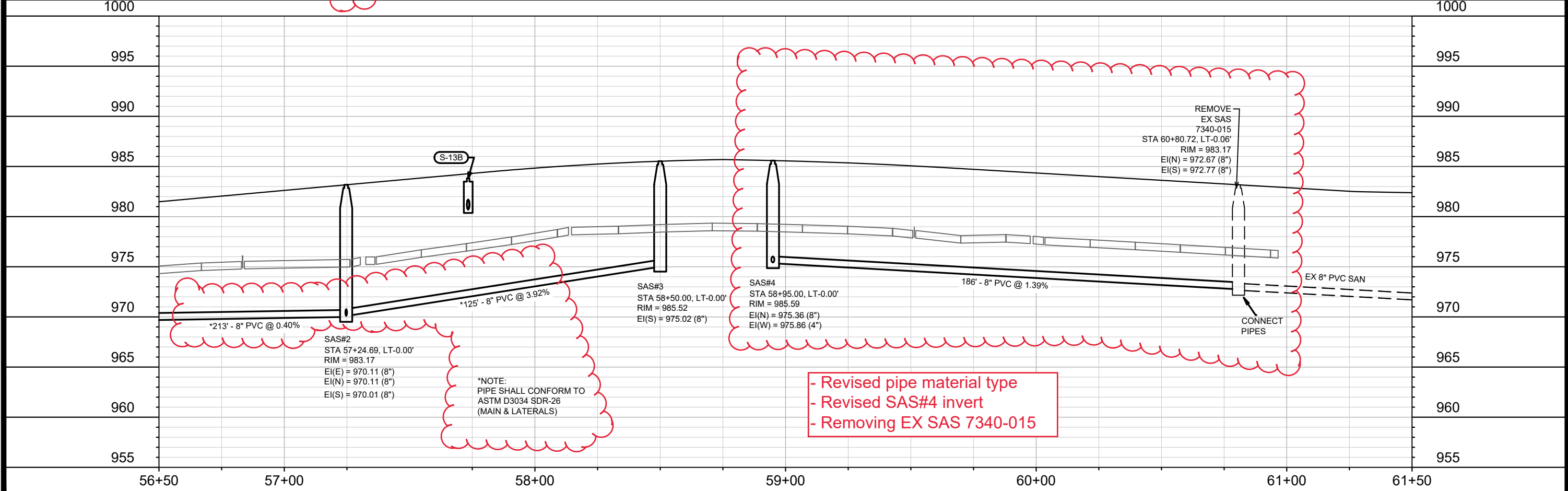
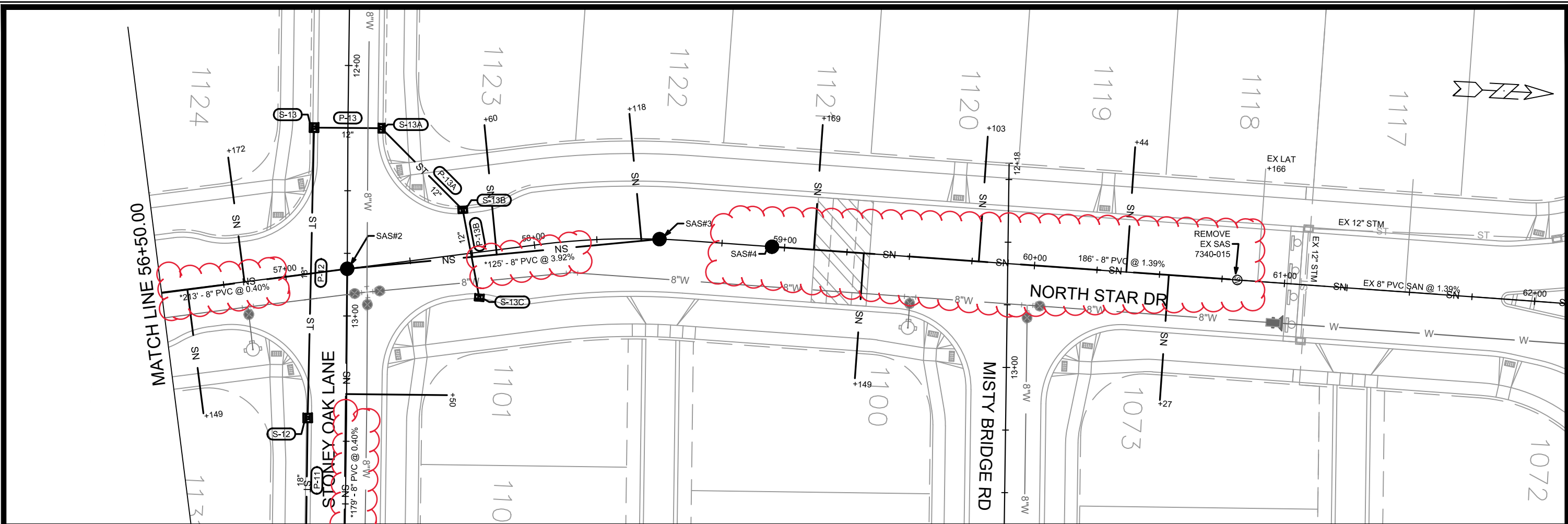
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13301 & 13299

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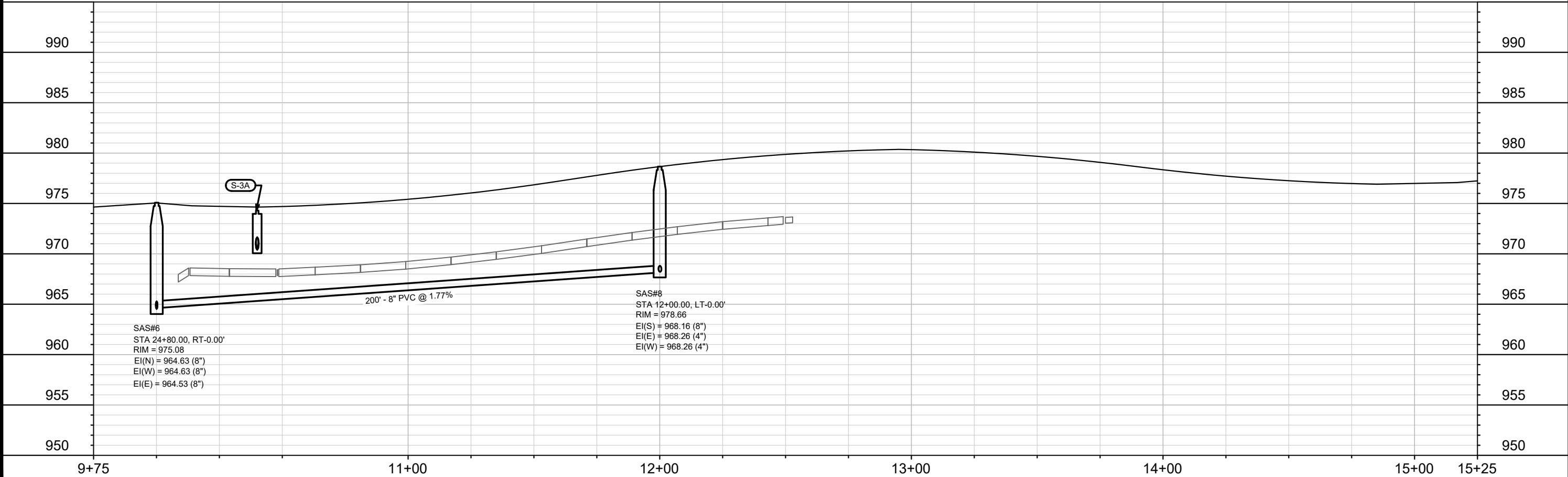
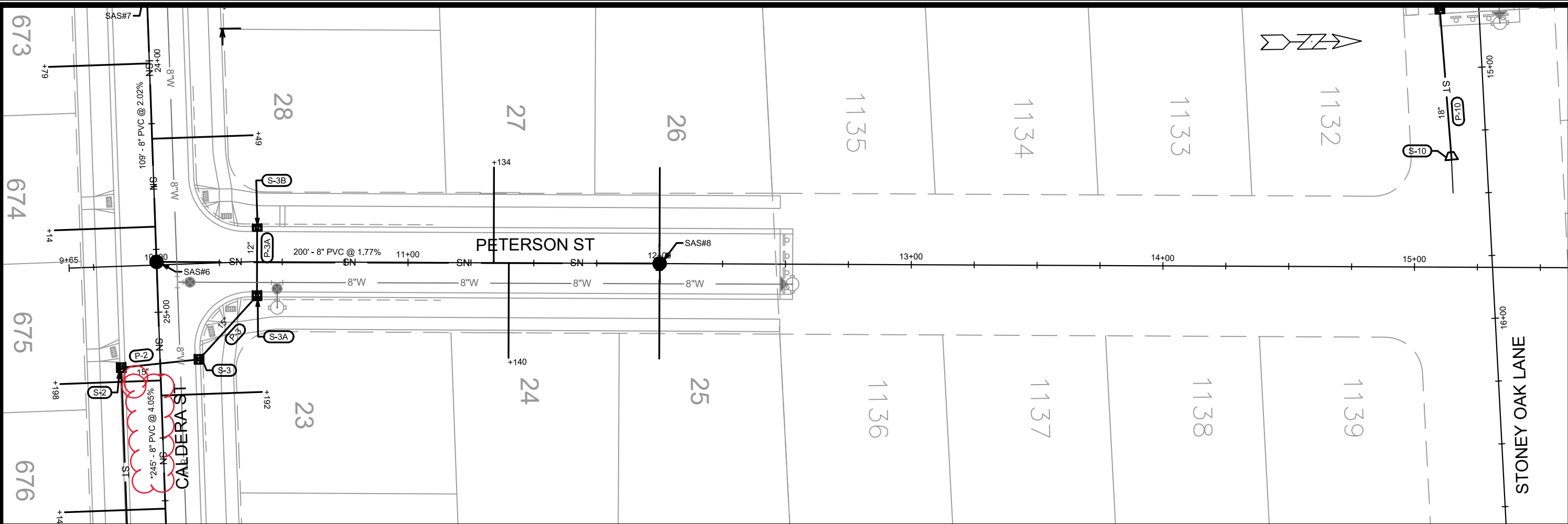


- Revised pipe material type
- Revised SAS#4 invert
- Removing EX SAS 7340-015

13301 & 13299		MADISON, WI		CONTRACT NO: 8974 & 8972	
NORTH STAR DR - UTILITIES PLAN & PROFILE		GVCNE4 & GVC27		13301 & 13299	
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13301 & 13299				U-2	

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13301 & 13299		MADISON, WI		CONTRACT NO: 8974 & 8972	
PETERSON STREET - UTILITIES PLAN & PROFILE		GVCNE4 & GVC27		U-5	
					
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REVISION					
MARK					
13301 & 13299					

SANITARY SEWER SCHEDULE

* REVISED 6/8/2021 EEA

GVC NE4 & GVC PH 27	SHEET NO.
PROJECT NO. 13301 & 13299	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
NORTH STAR DRIVE						
SAS#1	55+11.47	RT-1.79	979.88	969.06	10.82	-
SAS#2	57+24.69	CL	983.17	970.01	13.16	-
SAS#3	58+50.00	CL	985.52	975.02	10.50	-
* SAS#4	58+95.00	CL	985.59	975.36	10.23	-

STONEY OAK LANE

SAS#5	14+60.00	CL	980.30	970.83	9.47	-
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CALDERA STREET

SAS#6	24+80.00	CL	975.08	964.53	10.55	-
SAS#7	23+71.00	CL	977.35	966.83	10.52	-

PETERSON STREET

SAS#8	12+00.00	CL	978.66	968.16	10.50	-
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GALILEO DRIVE

SAS#9	46+82.80	LT-0.08	973.37	962.87	10.50	-
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SANITARY STRUCTURE REMOVALS

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
7341-011	54+34.98	RT-0.05	979.53	968.65	10.88	-
* 7340-015	60+80.72	LT-0.06	983.17	972.67	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 7341-011	SAS#1	968.75	969.06	77	0.40%	8"	SDR-35	-
* SAS#1	SAS#2	969.16	970.01	213	0.40%	8"	SDR-26	-
* SAS#2	SAS#3	970.11	975.02	125	3.92%	8"	SDR-26	-
* EX SAS 7340-015	SAS#4	972.77	975.36	186	1.39%	8"	SDR-35	-
* SAS#2	SAS#5	970.11	970.83	179	0.40%	8"	SDR-26	-
* EX SAS 7341-012	SAS#6	954.60	964.53	245	4.05%	8"	SDR-26	-
SAS#6	SAS#7	964.63	966.83	109	2.02%	8"	SDR-35	-
SAS#6	SAS#8	964.63	968.16	200	1.77%	8"	SDR-35	-
* EX SAS 7341-012	SAS#9	954.60	962.87	271	3.05%	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.

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
GALILEO DR							
S-0	43+68.00	LT-15.50	3X3 SAS	966.44	961.61	4.83	W/ R-3067-7004-V
CALDERA ST							
S-1	26+85.00	RT-15.50	3X3 SAS	967.28	962.48	4.80	LP; W/ R-3067-7004-VB; (1)
S-1A	26+85.00	LT-15.50	H INLET	967.70	963.90	3.80	LP; W/ R-3067-7004-VB; (1)
S-2	25+21.52	RT-15.50	3X3 SAS	973.37	968.57	4.80	W/ R-3067-7004-V
S-3	25+19.33	LT-15.50	3X3 SAS	973.48	969.08	4.40	W/ R-3067-7004-V
PETERSON ST							
S-3A	10+40.00	RT-13.50	3X3 SAS	974.78	970.39	4.39	LP; W/ R-3067-7004-VB; (1)
S-3B	10+40.00	LT-13.50	H INLET	975.27	971.19	4.08	LP; W/ R-3067-7004-VB; (1)
STONEY OAK							
S-10	15+36.14	RT-13.50	18" RCP APRON END	-	975.19	-	W/ GATE
S-11	14+76.08	RT-15.50	3X3 SAS	980.09	975.49	4.60	W/ R-3067-7004-V
S-12	13+40.80	RT-15.50	3X3 SAS	982.27	976.91	5.36	W/ R-3067-7004-V
S-13	12+25.00	RT-13.50	3X3 SAS	982.67	978.09	4.58	LP; W/ R-3067-7004-VB; (1)
S-13A	12+25.00	LT-13.50	H INLET	982.67	979.09	3.58	LP; W/ R-3067-7004-VB; (1)
S-13B	57+73.22	LT-17.57	H INLET	984.30	980.70	3.60	W/ R-3067-7004-V
S-13C	57+75.77	RT-18.04	H INLET	984.37	980.91	3.46	W/ R-3067-7004-V

SPECIFIC NOTES:

(1) INSTALL LOW POINT PVC DRAIN; SEE 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.

- 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.

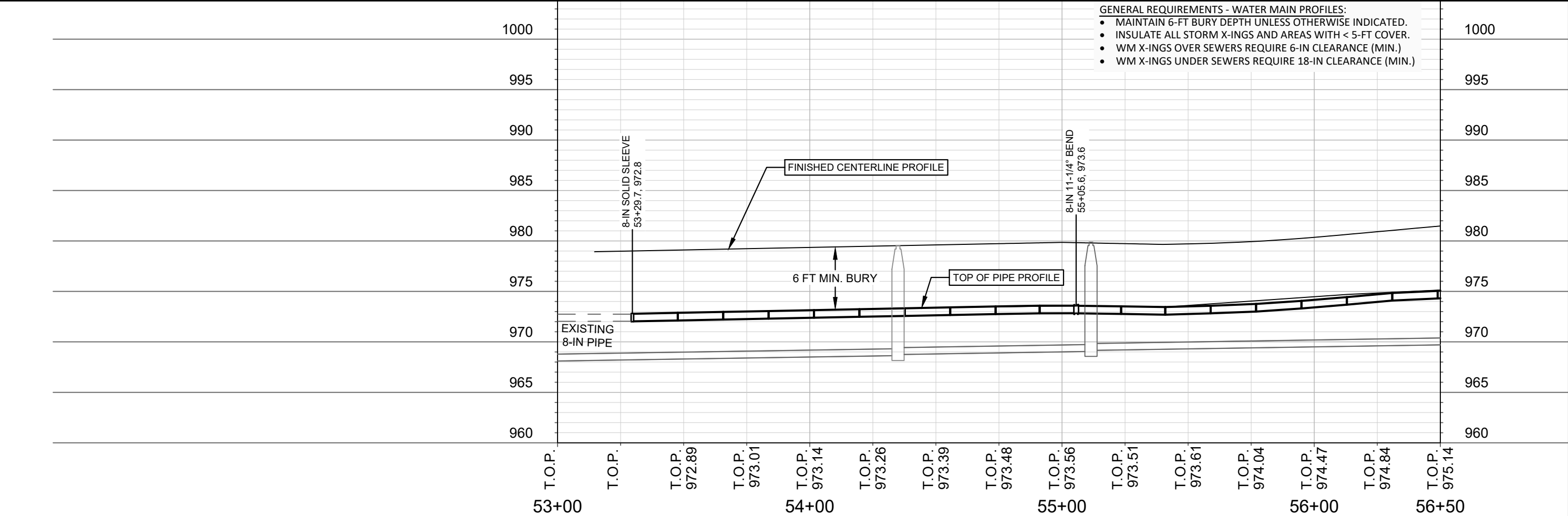
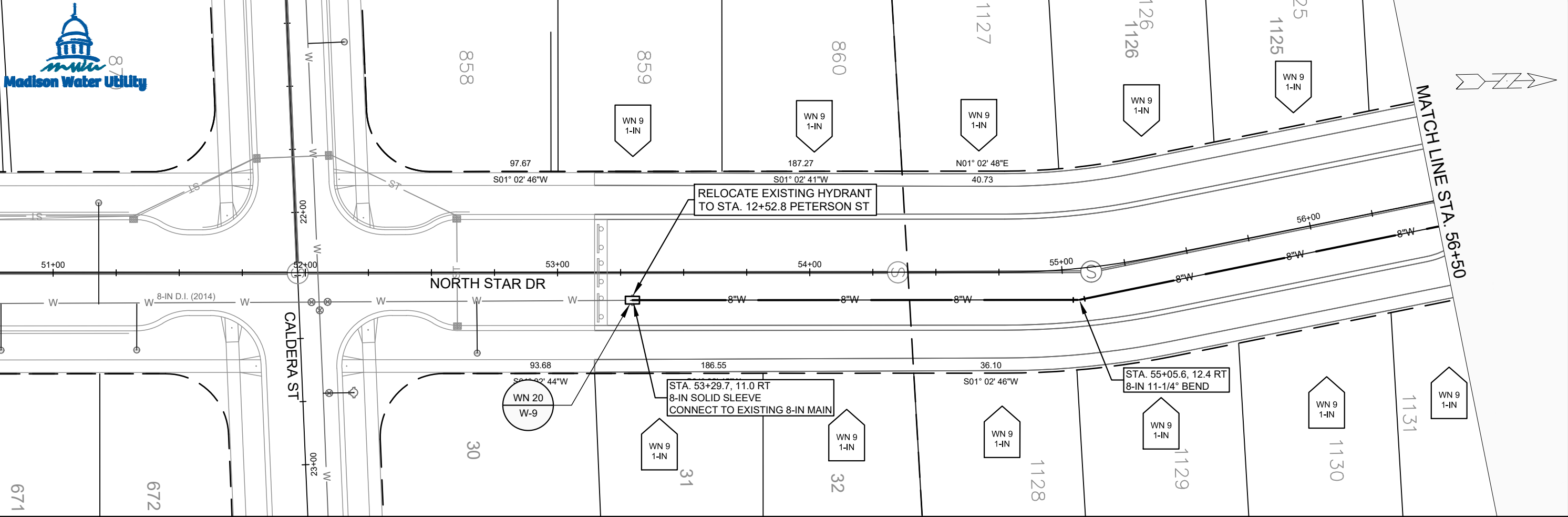
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's

- 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



- 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.)

13301 & 13299

W-1

GVCNE4 & GVC27

PLAN & PROFILE: NORTH STAR DR

CITY OF MADISON, WISCONSIN

SCALE: 1" = 40'

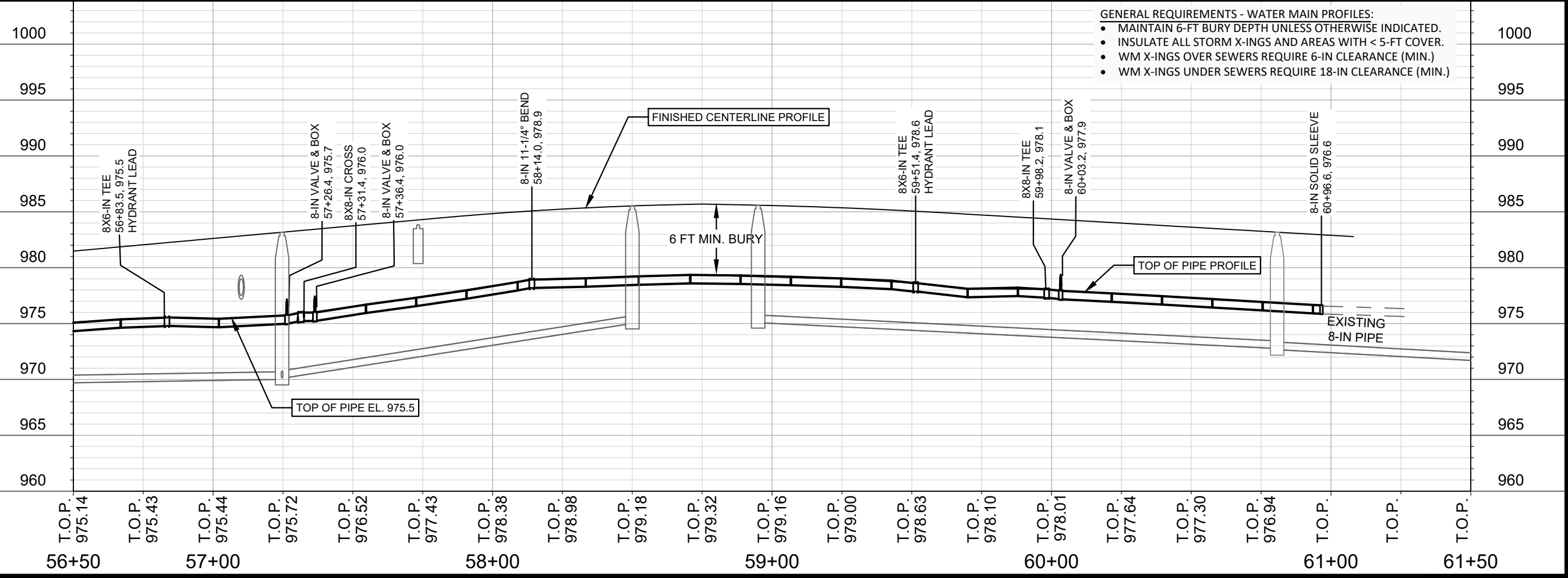
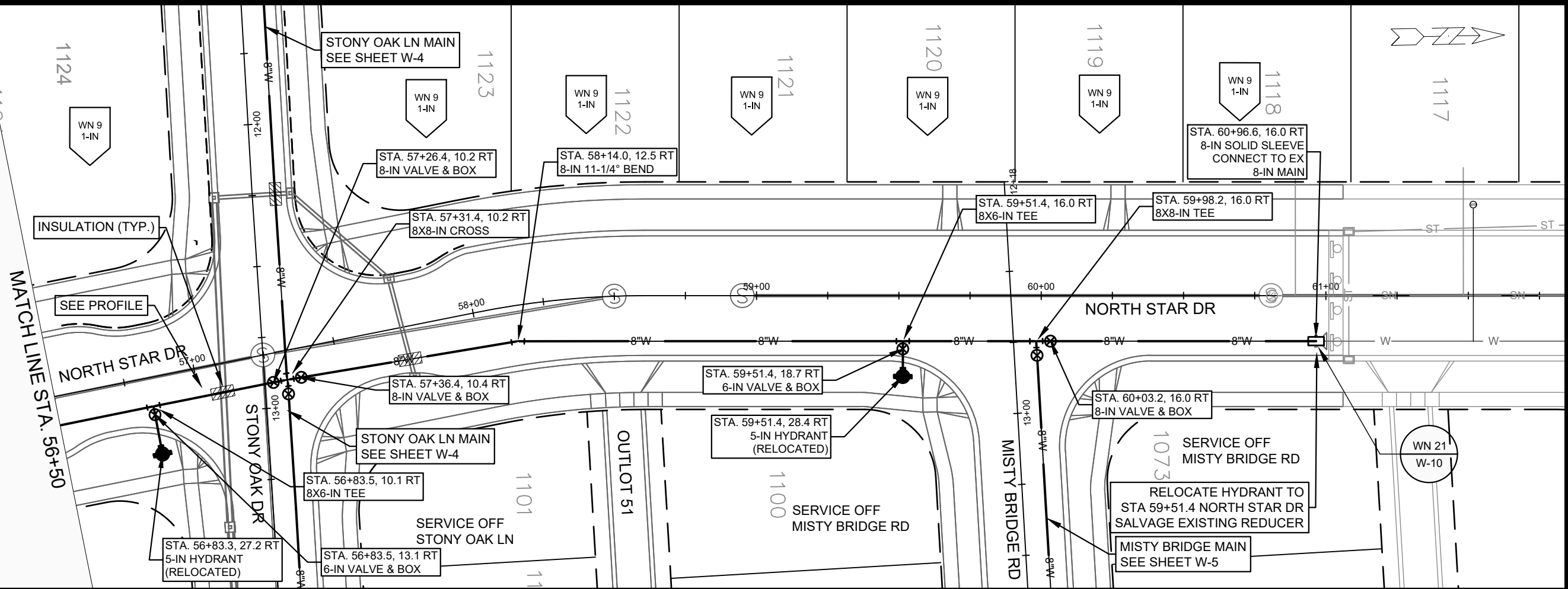
DESIGNED BY: PEH/CJS

MADISON WATER UTILITY

119 E OLIN AVE, MADISON, WI 53713

PRINTING DATE: 5/13/21

CONTRACT NO: 3874 & 3872



13301 & 13299

W-2

GVCNE4 & GVC27

PLAN & PROFILE: NORTH STAR DR

CITY OF MADISON, WISCONSIN

DESIGNED BY: PEH/CJS

MADISON WATER UTILITY

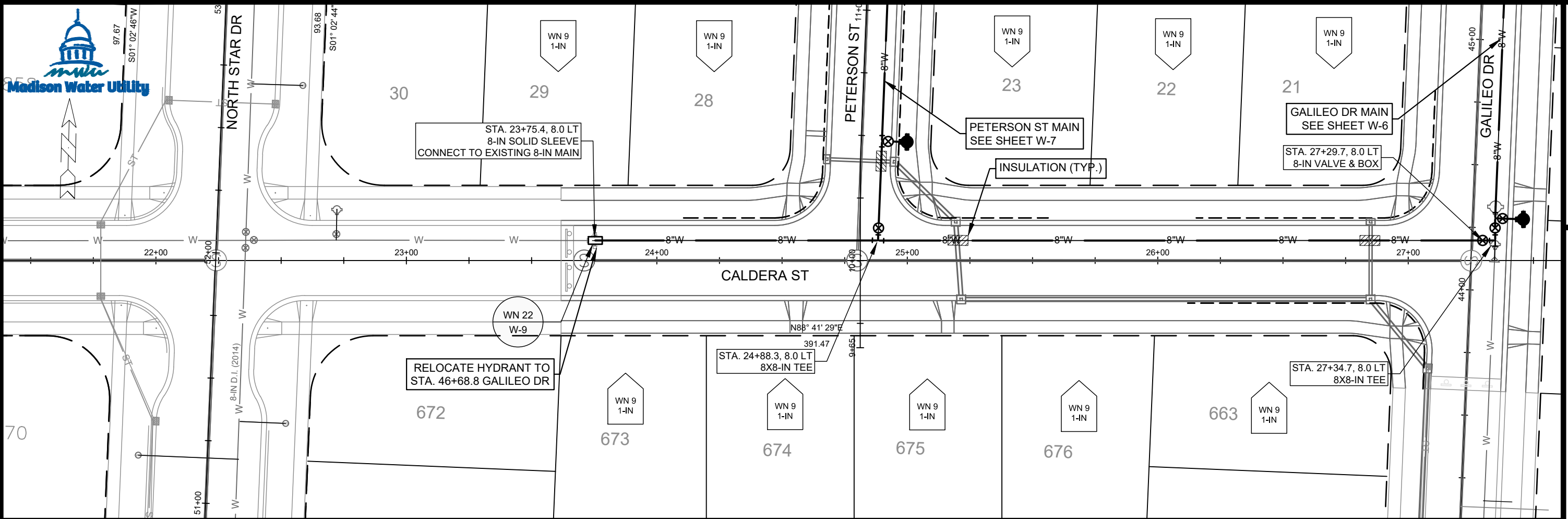
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PRINTING DATE: 5/13/21

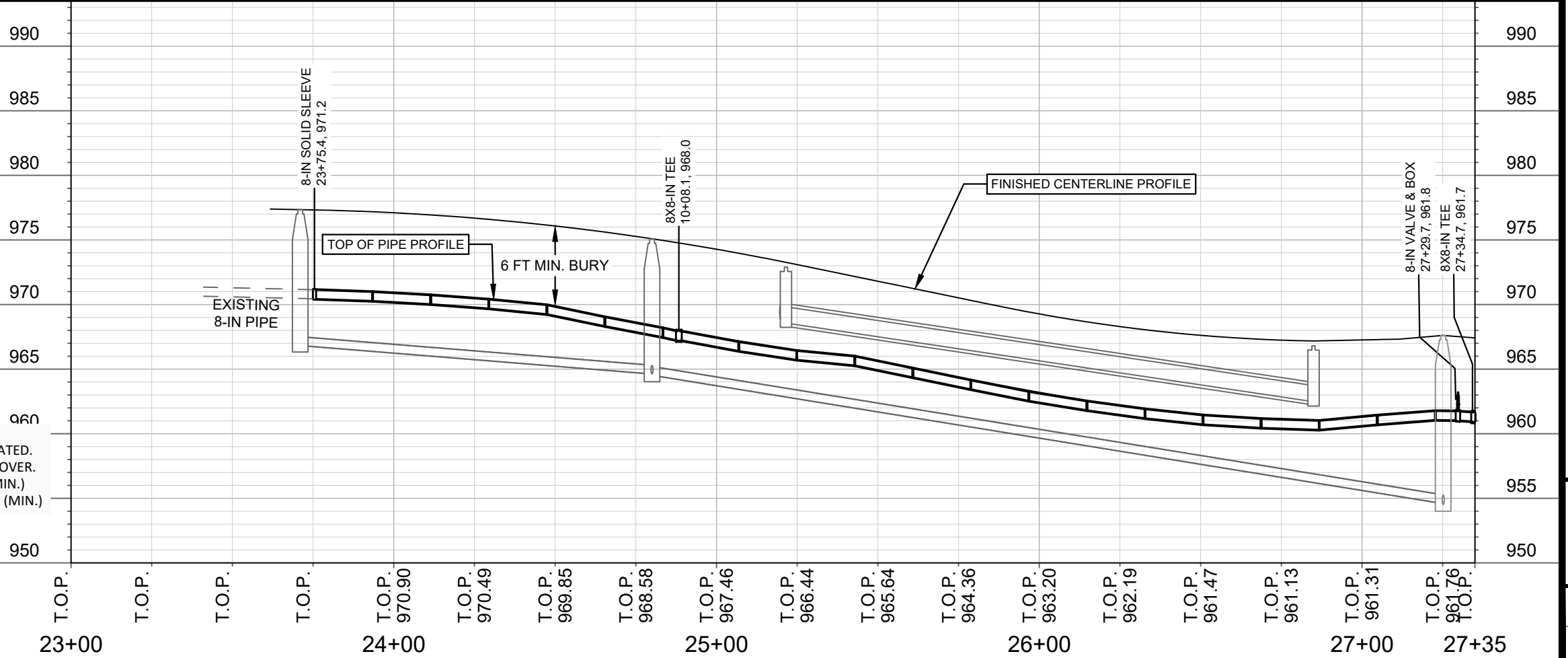
SCALE: 1" = 40'

CONTRACT NO. 3074 & 3072

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- 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'

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MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/13/21

CONTRACT NO: 0374 & 0372

GVCNE4 & GVC27

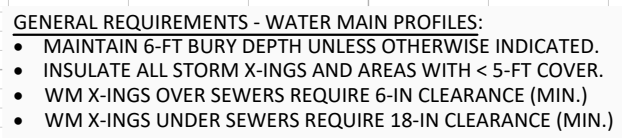
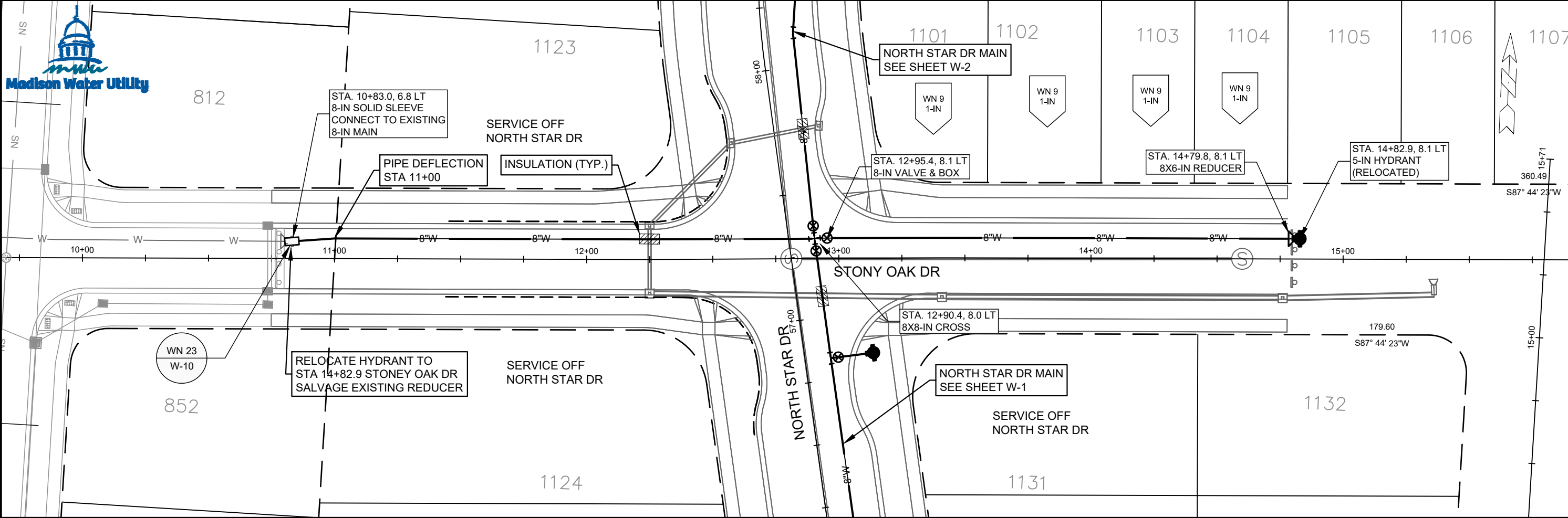
PLAN & PROFILE: CALDERA ST

CITY OF MADISON, WISCONSIN

13301 & 13299

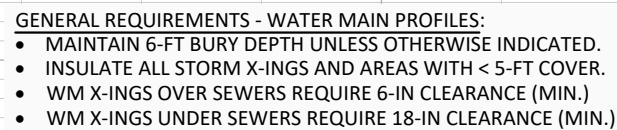
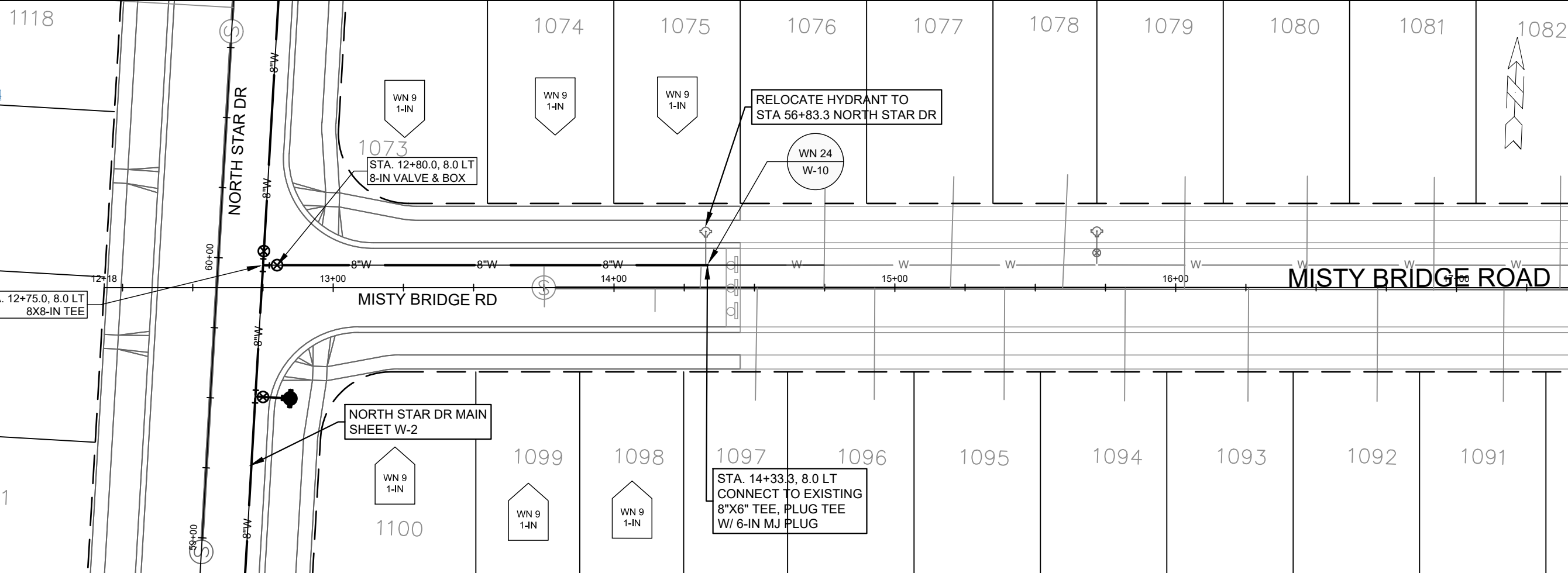
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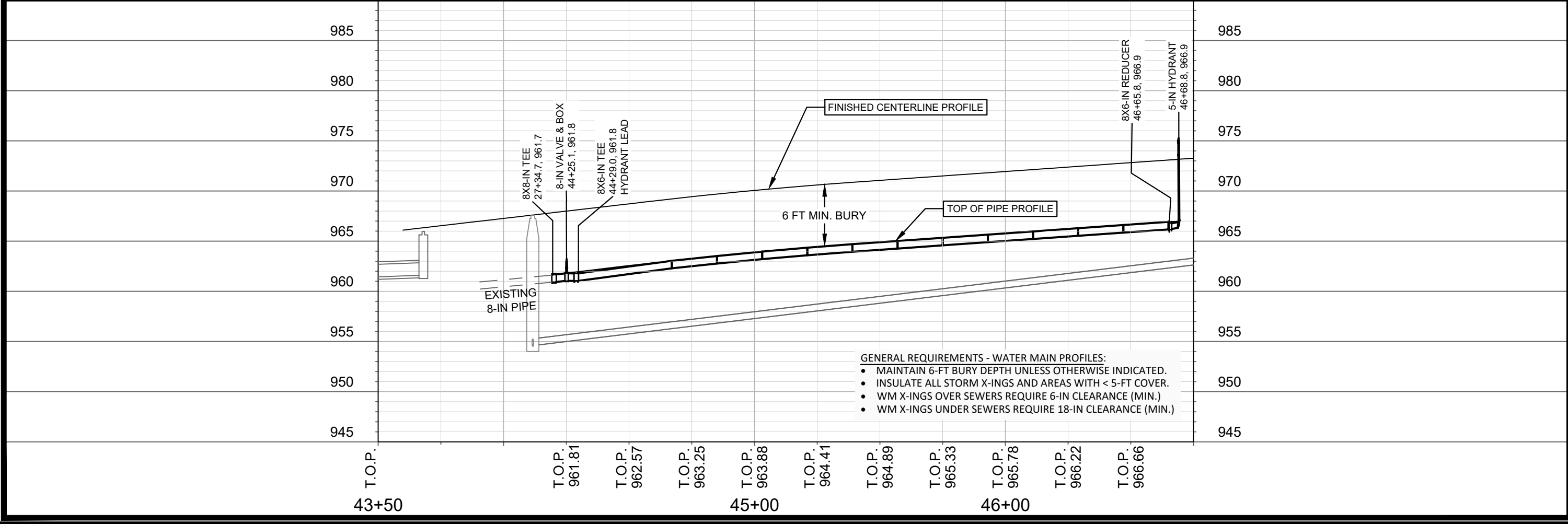
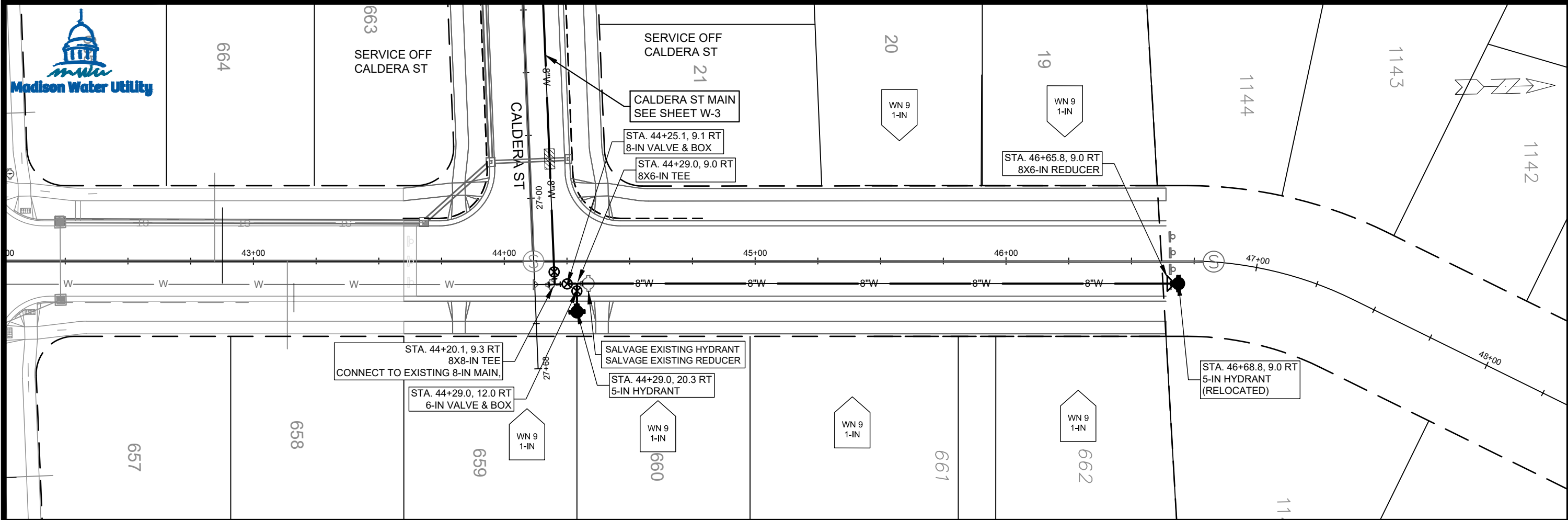
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W-5

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13301 & 13299

W-6

GVCNE4 & GVC27

PLAN & PROFILE:

CITY OF MADISON, WISCONSIN

DESIGNED BY: PEH/CJS

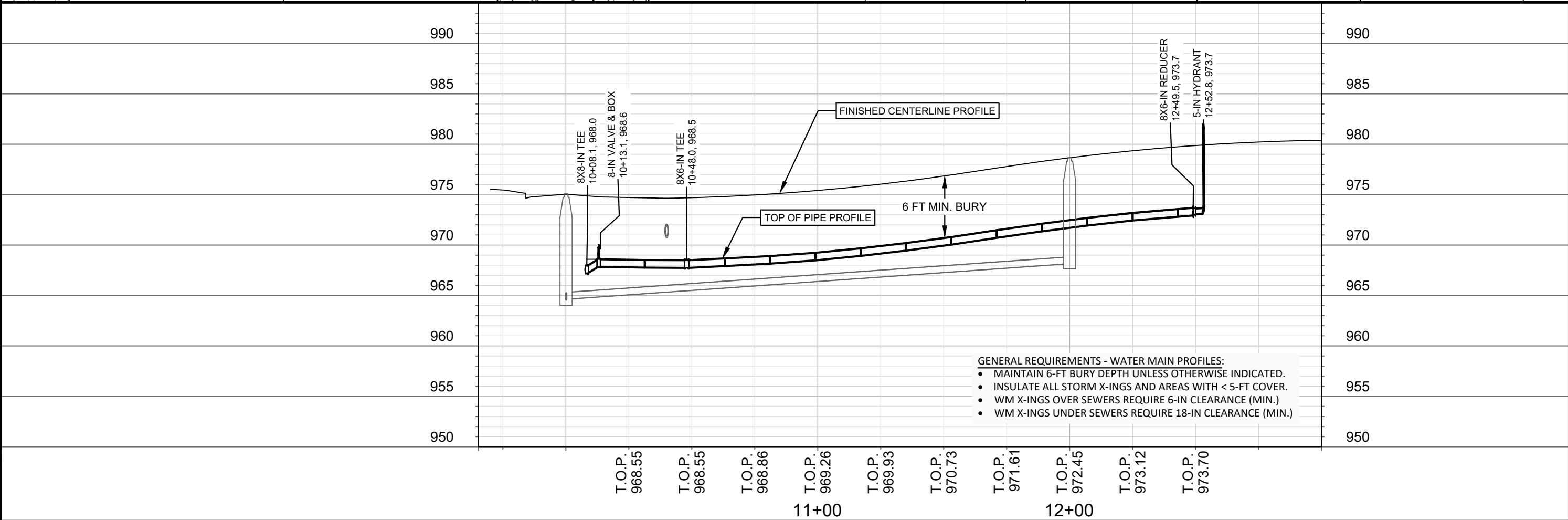
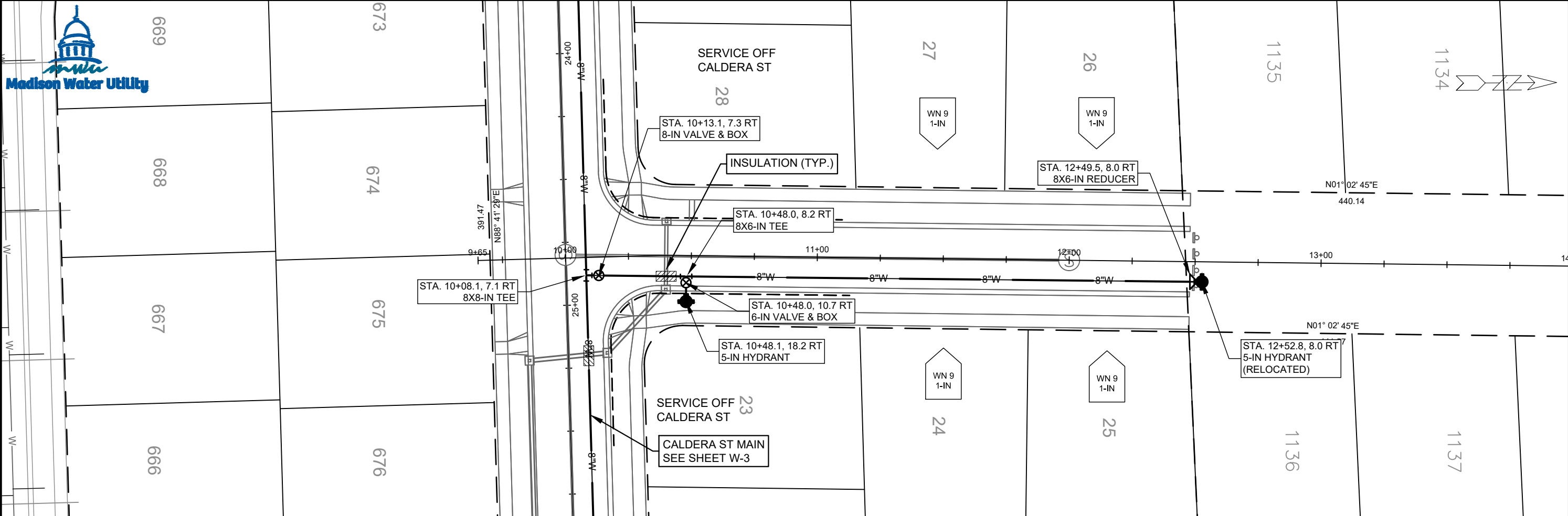
MADISON WATER UTILITY

119 E OLIN AVE, MADISON, WI 53713

PRINTING DATE: 5/13/21

SCALE: 1" = 40'

CONTRACT NO: 3974 & 3972



SCALE: 1" = 40'
DESIGNED BY: PEH/CJS
MADISON WATER UTILITY
1119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/13/21

CONTRACT NO.: 8974 & 8972

GVCNE4 & GVC27

PLAN & PROFILE: PETERSON ST

CITY OF MADISON, WISCONSIN



13301 & 13299

W-7

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CONSTRUCTION NOTES:

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 REPARATION. CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.
- WN1

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+

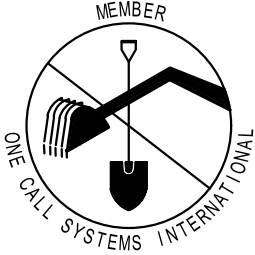
SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

ESTIMATE OF NEW MATERIALS*:			
ITEM ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	60	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	2160	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	4	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	8	EACH
70040	5-IN HYDRANT	2	EACH
70050	FURNISH AND INSTALL 1-INCH SERVICE LATERALS	48	EACH
70101	FURNISH AND INSTALL STYROFOAM	48	LNFT
71041	8X8-IN CROSS	1	EACH
71147	8-IN 11-1/4° BEND	2	EACH
71210	8X6-IN TEE	4	EACH
71211	8X8-IN TEE	3	EACH
71013	6-IN MJ PLUG	1	EACH
ESTIMATE OF REUSED AND SALVAGED MATERIALS:			
	DESCRIPTION	QUANTITY	TYPE
	5-IN HYDRANT	5	REUSE
	5-IN HYDRANT	1	SALVAGE
	8X6 REDUCER	3	REUSE
	8X6 REDUCER	2	SALVAGE
	8-IN MJ PLUG	1	SALVAGE

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.

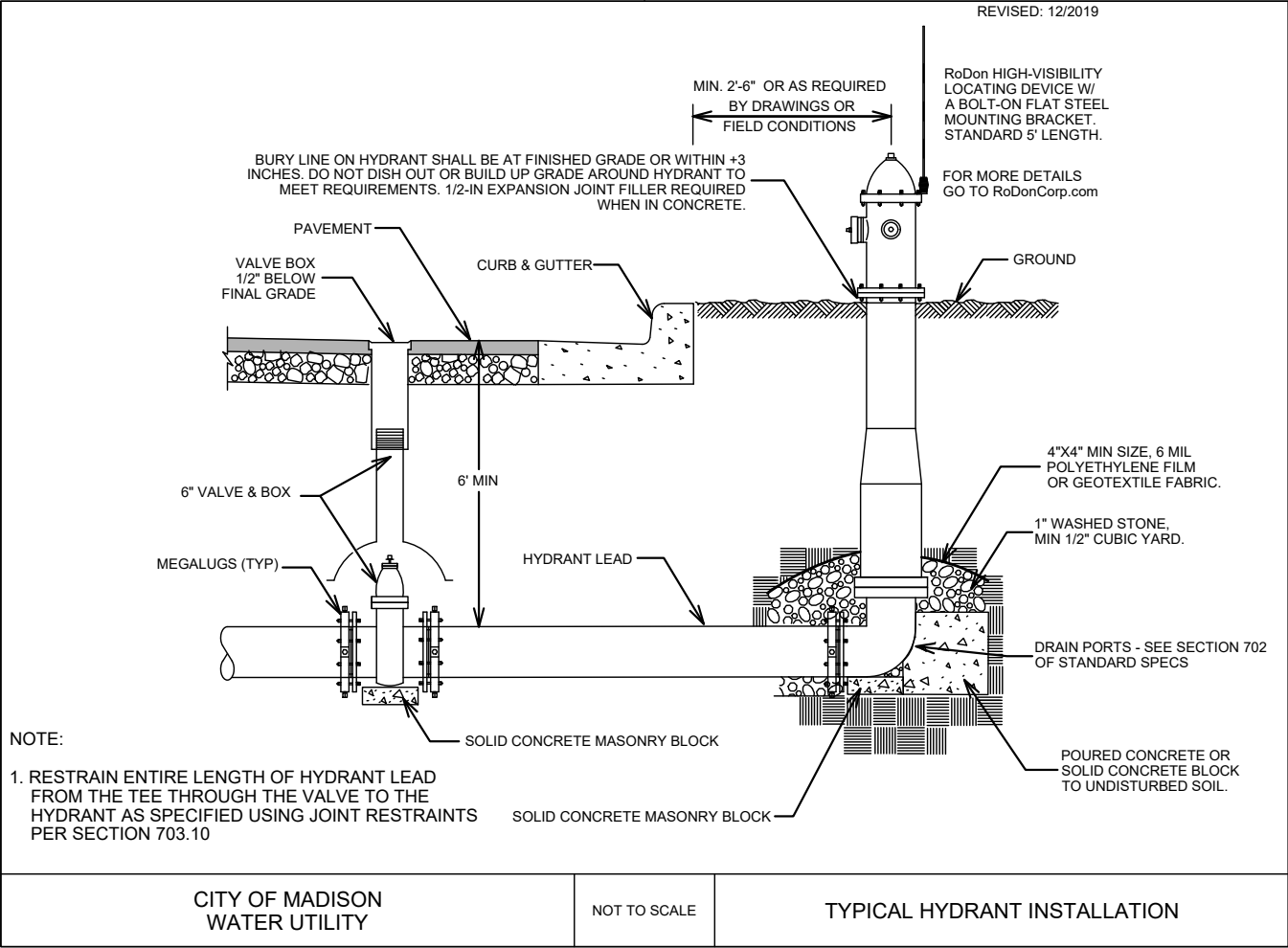
* ESTIMATE OF MATERIALS ARE FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

WATER UTILITY ULO SCHEDULE

ULO	UTILITY	STATION	OFFSET	SHEET
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PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04
REVISED: 12/2019



GVCNE4 & GVC27
WATER ESTIMATE OF MATERIALS
CITY OF MADISON, WISCONSIN



13301 & 13299
W-8

SCALE:
DESIGNED BY: PEH/CJS
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/13/21

CONTRACT NO. 3974 & 8972



WN 20:
CONNECT TO EXISTING 8-IN MAIN AT
NORTH STAR DR.
ISOLATION VALVE: V-4075
NOTIFY:6102 CALDERA ST

WN 22:
CONNECT TO EXISTING 8-IN MAIN AT
CALDERA ST.
ISOLATION VALVE: V-4074
NOTIFY:NONE

WN 25:
CONNECT TO EXISTING 8-IN MAIN AT
GALILEO DR.
ISOLATION VALVE: V-6978
NOTIFY:327 & 328 GALILEO

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" = 100'
DESIGNED BY: PEH/CJS
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/13/21

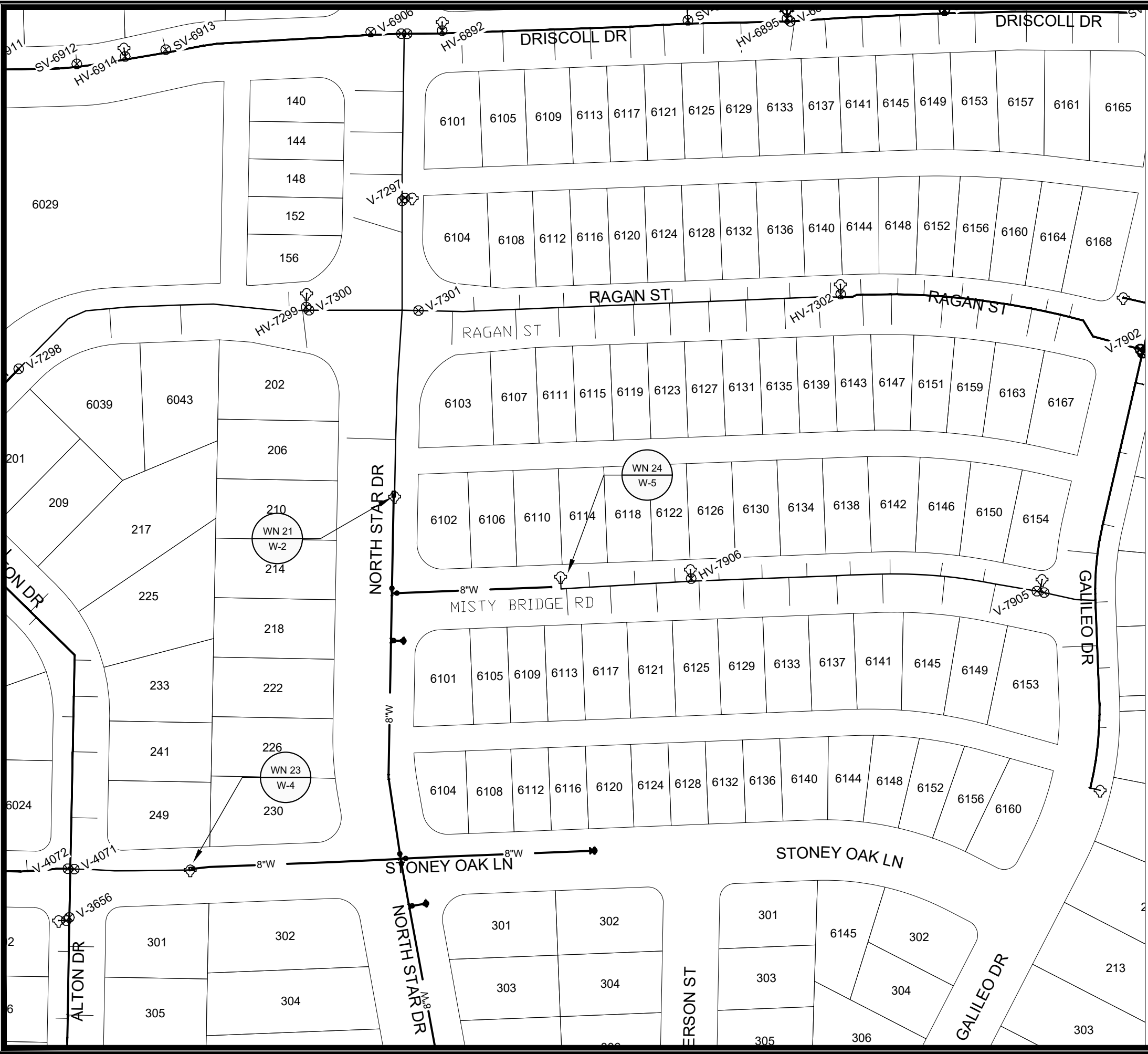
CONTRACT NO. 3974 & 8972

GVCNE4 & GVC27
WATER IMPACT PLAN WATER SHEETS
CITY OF MADISON, WISCONSIN



13301 & 13299
W-9

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WN 21:
CONNECT TO EXISTING 8-IN MAIN AT
NORTH STAR DR.
ISOLATION VALVES: V-7297, v-7300
AND V-7301
NOTIFY:152 AND 206 NORTH STAR

WN 23:
CONNECT TO EXISTING 8-IN MAIN AT
STONEY OAK LN.
ISOLATION VALVES: V-4071
NOTIFY:NONE

WN 24:
CONNECT TO EXISTING 8-IN MAIN AT
MISTY BRIDGE RD.
ISOLATION VALVES: V-7905
NOTIFY:ALL HOUSES OF THE 6100 BLOCK
MISTY BRIDGE RD, EXCEPT 6153 & 6154

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" = 100'
DESIGNED BY: PEH/CJS
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/13/21

CONTRACT NO. 3974 & 8872

GVCNE4 & GVC27
WATER IMPACT PLAN WATER SHEETS
CITY OF MADISON, WISCONSIN



13301 & 13299

W-10