



Madison, Wisconsin

INDEX OF SHEETS

SHEET NO.	TITLE
1	NOTES AND DETAILS
DI-D4	STREET PLAN & PROFILE
PI-P5	UTILITY PLAN & PROFILE
UI-U5	SANITARY SEWER SCHEDULE
U6	STORM SEWER SCHEDULE
U7	WATER PLAN & PROFILE
WI-W5	WATER IMPACT PLAN
W6	WATER MATERIALS AND DETAILS
W7	

# CITY OF MADISON

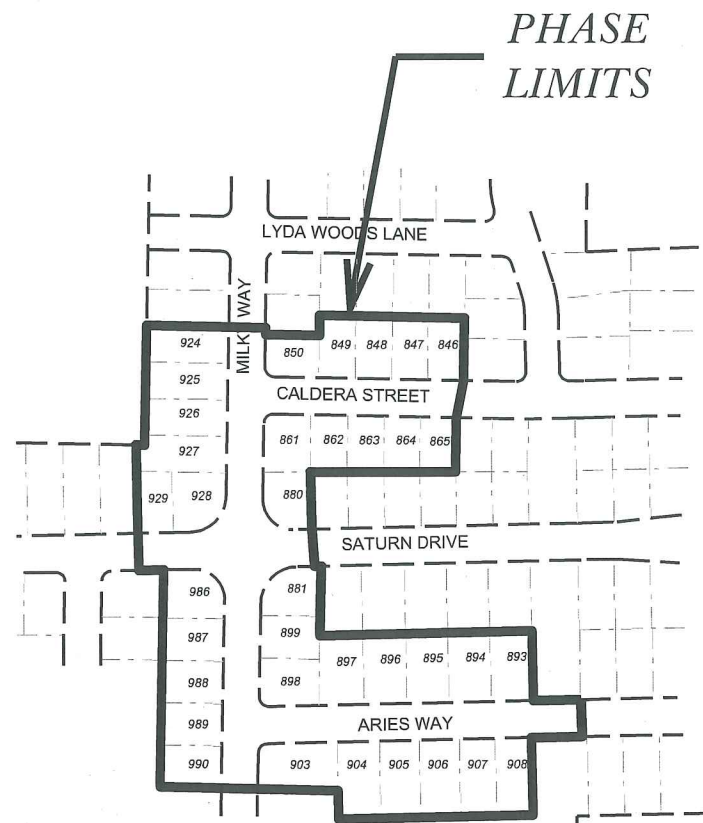
## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

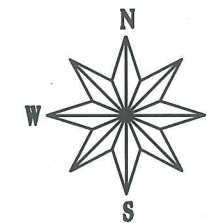
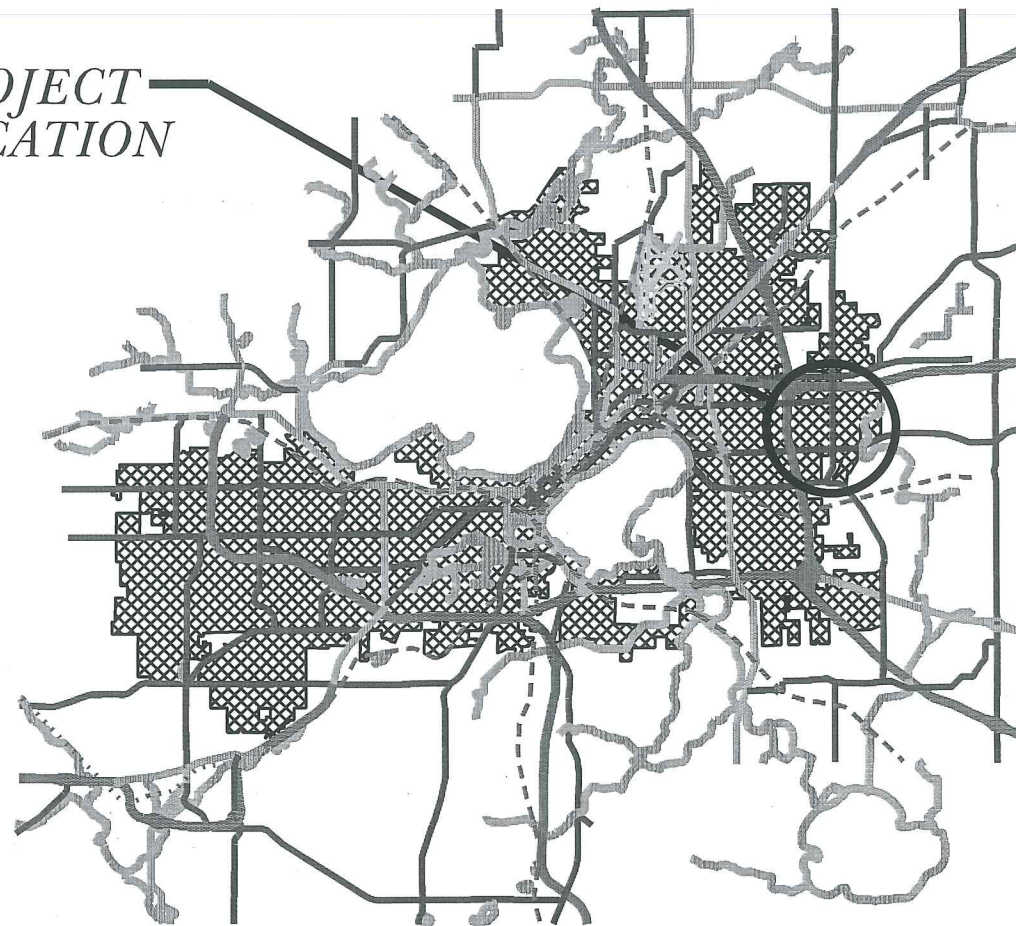
# PLAN OF PROPOSED IMPROVEMENT

## GRANDVIEW COMMONS NORTH ADDITION - PHASE 4

CITY PROJECT NO. 11480  
CONTRACT NO. 7808



PROJECT LOCATION

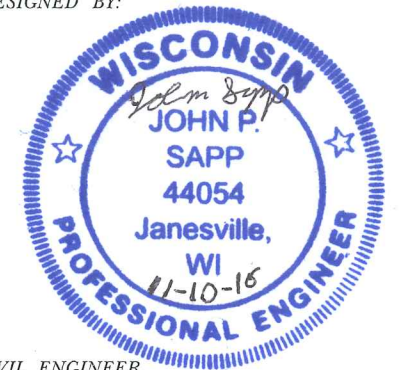


PUBLIC IMPROVEMENT PROJECT APPROVED  
SEPTEMBER 20, 2016  
BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

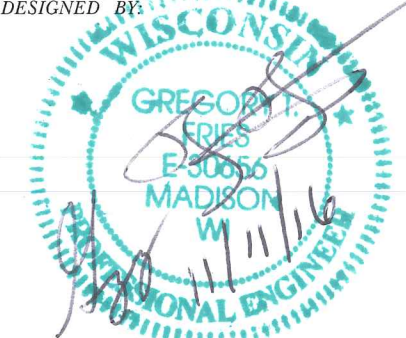
*[Signature]* *[Signature]*  
City Engineer Date

STREET  
DESIGNED BY:



CIVIL ENGINEER

STORM SEWER  
DESIGNED BY:



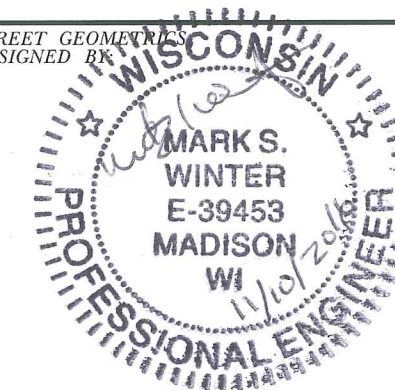
CIVIL ENGINEER

SANITARY SEWER  
DESIGNED BY:

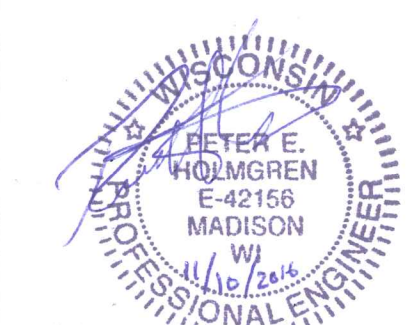


CIVIL ENGINEER

STREET GEOMETRIES  
DESIGNED BY:



WATER DISTRIBUTION  
DESIGNED BY:



CIVIL ENGINEER

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

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

TOPSOIL IN MEDIANS AND ROUNDABOUTS SHALL BE 24" IN DEPTH

ALL PAVEMENT 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 GRADES OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL 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. 3.03. 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 4.00:1. 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 ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) 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 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 SDD 3.05.

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS ——— G ———

STORM SEWER ——— ST ———

SANITARY SEWER ——— SAN ———

WATER ——— W ———

OVERHEAD ELECTRIC ——— OH ———

POWER POLE 

ADA COMPLIANT RAMP W/  
DETECTABLE WARNING FIELD 

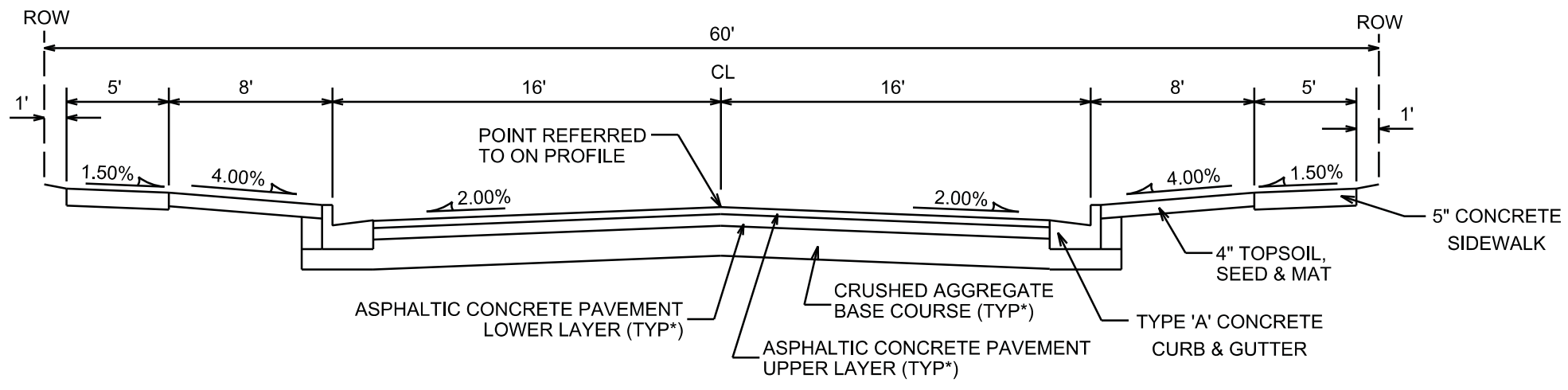
COMBUSTIBLE FLUIDS 

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

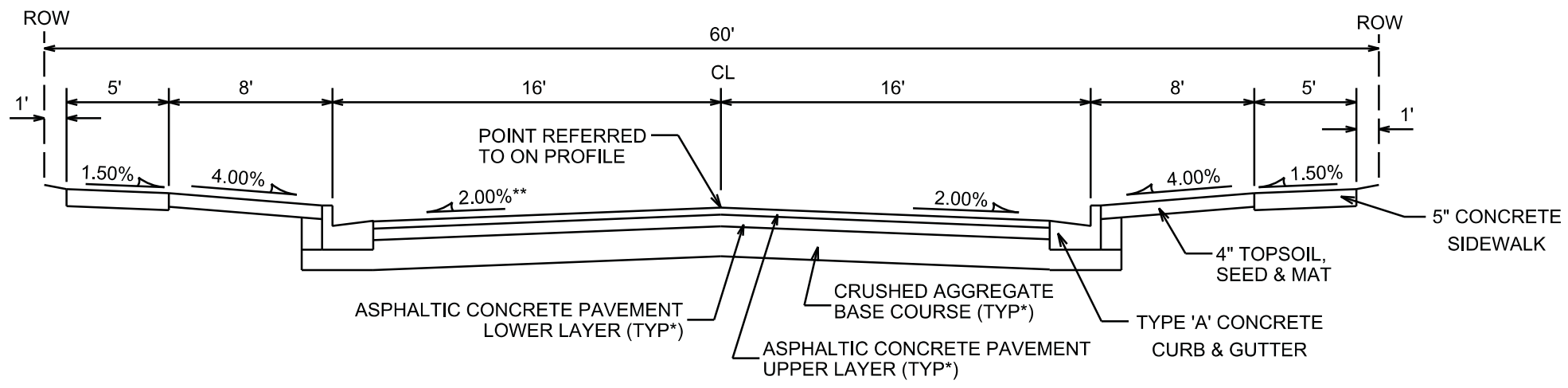
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**

ARIES WAY  
MILKY WAY  
SATURN DRIVE



**TYPICAL SECTION**

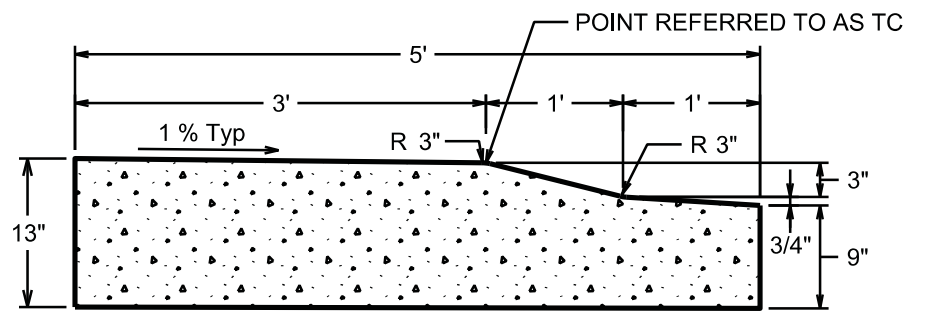
CALDERA STREET

NOTES:

- \* ARIES WAY, CALDERA STREET, MILKY WAY AND SATURN DRIVE TO BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- \*\* VARIES FROM STA 14+50 TO STA 16+00. SEE SHEET P-2

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	TYPE	THICKNESS	TYPE	THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.25"	E-1	2"
C	6"	4"	E-3	3.25"	E-3	2"



**MOUNTABLE CONCRETE CURB AND GUTTER FOR MILKY WAY ROUNDABOUT**

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

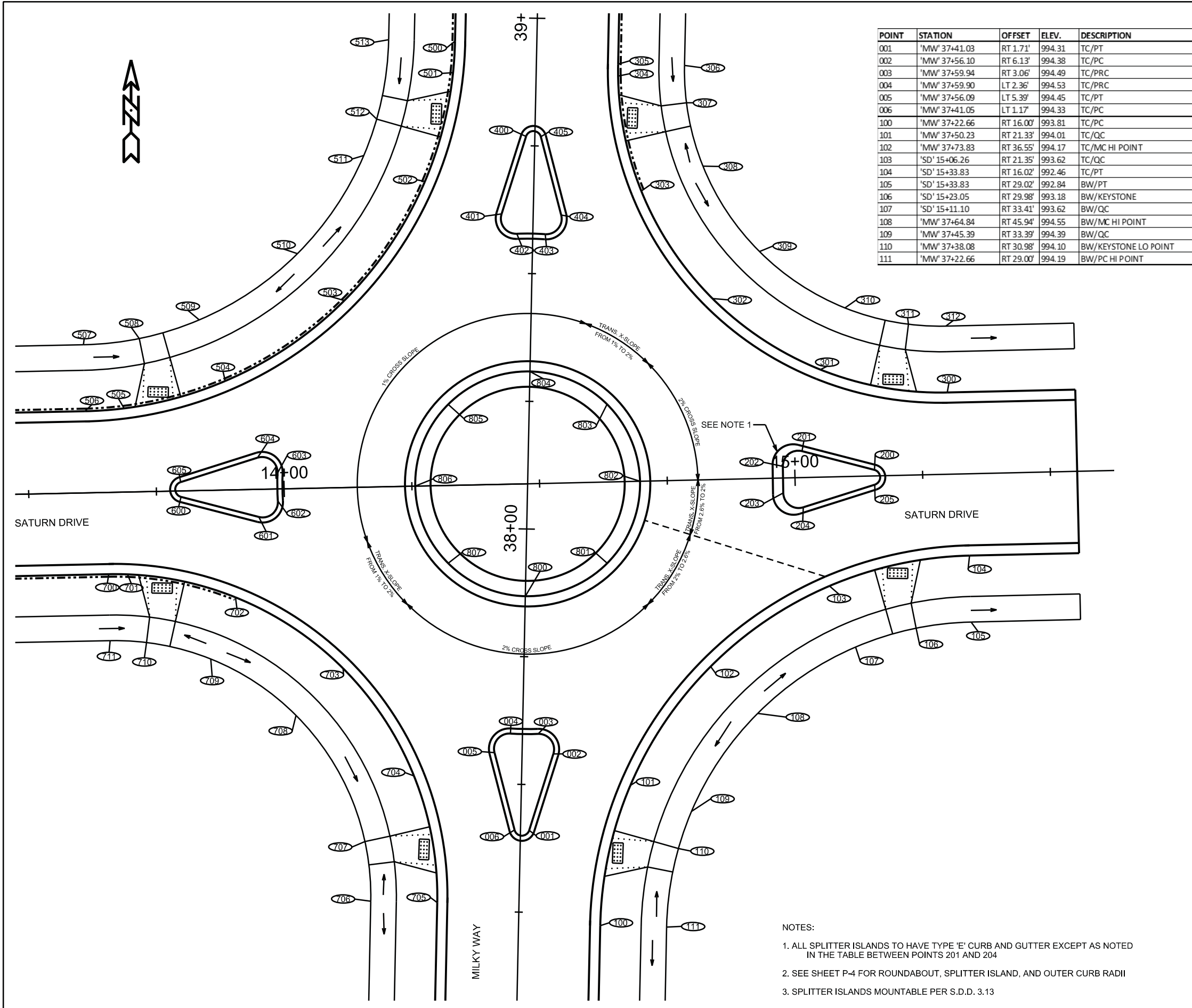
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN  
ROUNDABOUT DETAIL CITY OF MADISON

POINT	STATION	OFFSET	ELEV.	DESCRIPTION
001	'MW' 37+41.03	RT 1.71'	994.31	TC/PT
002	'MW' 37+56.10	RT 6.13'	994.38	TC/PC
003	'MW' 37+59.94	RT 3.06'	994.49	TC/PRC
004	'MW' 37+59.90	LT 2.36'	994.53	TC/PRC
005	'MW' 37+56.09	LT 5.39'	994.45	TC/PT
006	'MW' 37+41.05	LT 1.17'	994.33	TC/PC
100	'MW' 37+22.66	RT 16.00'	993.81	TC/PC
101	'MW' 37+50.23	RT 21.33'	994.01	TC/QC
102	'MW' 37+73.83	RT 36.55'	994.17	TC/MC HI POINT
103	'SD' 15+06.26	RT 21.35'	993.62	TC/QC
104	'SD' 15+33.83	RT 16.02'	992.46	TC/PT
105	'SD' 15+33.83	RT 29.02'	992.84	BW/PT
106	'SD' 15+23.05	RT 29.98'	993.18	BW/KEYSTONE
107	'SD' 15+11.10	RT 33.41'	993.62	BW/QC
108	'MW' 37+64.84	RT 45.94'	994.55	BW/MC HI POINT
109	'MW' 37+45.39	RT 33.39'	994.39	BW/QC
110	'MW' 37+38.08	RT 30.98'	994.10	BW/KEYSTONE LO POINT
111	'MW' 37+22.66	RT 29.00'	994.19	BW/PC HI POINT

POINT	STATION	OFFSET	ELEV.	DESCRIPTION
200	'SD' 15+15.59	LT 1.18'	993.5	TC/PT
201	'SD' 15+01.50	LT 5.16'	994.10	TC/PC TRANS. TO TY 'A' CURB
202	'SD' 14+97.68	LT 2.29'	994.05	TC/PRC
203	'SD' 14+97.65	RT 2.92'	994.02	TC/PRC TRANS. TO TY 'E' CURB
204	'SD' 15+01.49	RT 5.82'	993.99	TC/PT
205	'SD' 15+15.60	RT 1.70'	993.47	TC/PC
300	'SD' 15+30.19	LT 16.00'	992.66	TC/PC
301	'SD' 15+05.44	LT 21.06'	993.96	TC/QC
302	'MW' 38+45.85	RT 35.43'	994.38	TC/MC
303	'MW' 38+66.62	RT 21.06'	994.73	TC/QC HI POINT
304	'MW' 38+89.00	RT 16.04'	994.46	TC/LO POINT
305	'MW' 38+91.36	RT 16.00'	994.48	TC/PT
306	'MW' 38+91.36	RT 29.00'	994.85	BW/PT
307	'MW' 38+84.07	RT 29.53'	994.70	BW/KEYSTONE LO POINT
308	'MW' 38+71.72	RT 33.02'	995.11	BW/QC HI POINT
309	'MW' 38+55.24	RT 44.42'	994.61	BW/MC
310	'SD' 15+10.55	LT 33.02'	993.75	BW/QC
311	'SD' 15+22.90	LT 29.53'	993.20	BW/KEYSTONE
312	'SD' 15+30.19	LT 29.00'	992.89	BW/PC
400	'MW' 38+76.83	LT 1.71'	994.96	TC/PT
401	'MW' 38+61.58	LT 6.20'	995.13	TC/PC
402	'MW' 38+57.74	LT 3.13'	995.20	TC/PRC
403	'MW' 38+57.78	RT 2.43'	995.16	TC/PRC
404	'MW' 38+61.59	RT 5.47'	995.04	TC/PT
405	'MW' 38+76.82	RT 1.17'	994.95	TC/PC
500	'MW' 38+95.20	LT 16.00'	994.50	TC/PC
501	'MW' 38+89.00	LT 16.26'	994.47	TC/LO POINT
502	'MW' 38+67.59	LT 21.34'	994.91	TC/QC
503	'MW' 38+43.97	LT 36.61'	995.19	TC/MC HI POINT
504	'SD' 13+88.92	LT 21.34'	995.05	TC/QC
505	'SD' 13+69.00	LT 16.40'	994.79	TC/LO POINT
506	'SD' 13+61.31	LT 16.00'	994.85	TC/PT
507	'SD' 13+61.31	LT 29.00'	995.23	BW/PT
508	'SD' 13+72.27	LT 29.99'	995.02	BW/KEYSTONE LO POINT
509	'SD' 13+84.07	LT 33.41'	995.28	BW/QC
510	'MW' 38+52.97	LT 45.99'	995.57	BW/MC HI POINT
511	'MW' 38+72.44	LT 33.41'	994.91	BW/QC
512	'MW' 38+79.62	LT 31.02'	994.70	BW/KEYSTONE LO POINT
513	'MW' 38+95.20	LT 29.00'	994.88	BW/PC
600	'SD' 13+79.78	RT 1.15'	995.28	TC/PT
601	'SD' 13+94.92	RT 5.39'	995.31	TC/PC
602	'SD' 13+98.72	RT 2.36'	995.38	TC/PRC
603	'SD' 13+98.77	LT 3.13'	995.41	TC/PRC
604	'SD' 13+94.93	LT 6.20'	995.35	TC/PT
605	'SD' 13+79.76	LT 1.73'	995.28	TC/PC
700	'SD' 13+65.34	RT 16.00'	994.82	TC/PC
701	'SD' 13+69.00	RT 16.11'	994.76	TC/LO POINT
702	'SD' 13+90.05	RT 21.05'	994.98	TC/QC HI POINT
703	'MW' 37+71.97	LT 35.38'	994.64	TC/MC
704	'MW' 37+51.22	LT 21.05'	994.23	TC/QC
705	'MW' 37+26.51	LT 16.00'	993.83	TC/PC
706	'MW' 37+26.51	LT 29.00'	994.22	BW/PT HI POINT
707	'MW' 37+38.17	LT 30.38'	994.10	BW/KEYSTONE LO POINT
708	'MW' 37+62.59	LT 44.38'	995.02	BW/MC
709	'SD' 13+84.95	RT 33.01'	995.21	BW/QC HI POINT
710	'SD' 13+72.46	RT 29.51'	995.02	BW/KEYSTONE LO POINT
711	'SD' 13+65.34	RT 29.00'	995.20	BW/PC
800	'MW' 37+86.84	0.00'	994.73	TC/MILKY WAY ALIGN.
801	'MW' 37+93.63	RT 15.89'	994.58	TC/MID POINT
802	'MW' 38+09.80	RT 21.98'	994.44	TC/SATURN DRIVE ALIGN.
803	'MW' 38+24.73	RT 15.21'	994.81	TC/MID POINT
804	'MW' 38+30.84	0.00'	995.17	TC/MILKY WAY ALIGN.
805	'MW' 38+24.07	LT 15.87'	995.36	TC/MID POINT
806	'MW' 38+07.93	LT 21.98'	995.40	TC/SATURN DRIVE ALIGN.
807	'MW' 37+92.97	LT 15.23'	995.06	TC/MID POINT

- NOTES:
1. ALL SPLITTER ISLANDS TO HAVE TYPE 'E' CURB AND GUTTER EXCEPT AS NOTED IN THE TABLE BETWEEN POINTS 201 AND 204
  2. SEE SHEET P-4 FOR ROUNDABOUT, SPLITTER ISLAND, AND OUTER CURB RADII
  3. SPLITTER ISLANDS MOUNTABLE PER S.D.D. 3.13

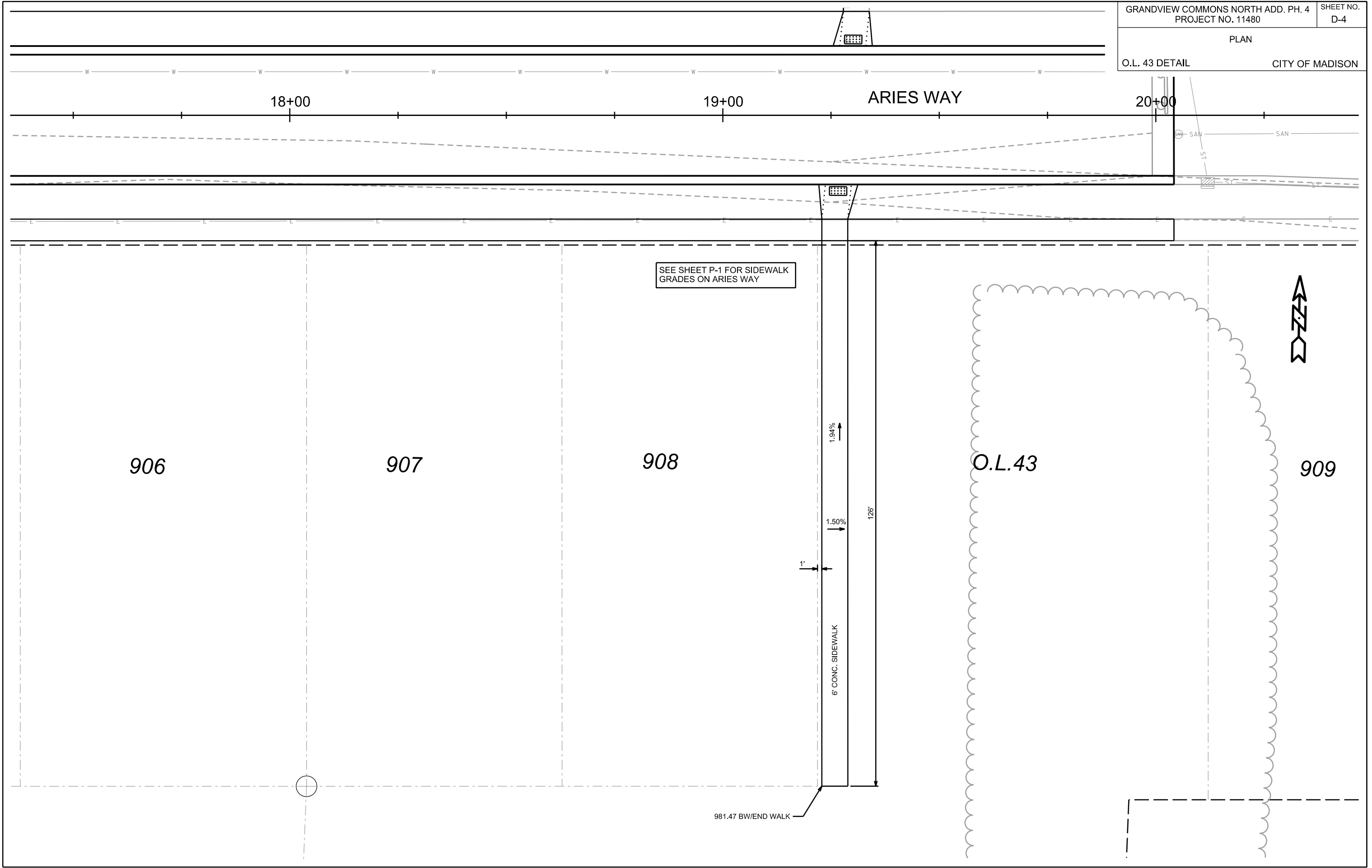


PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

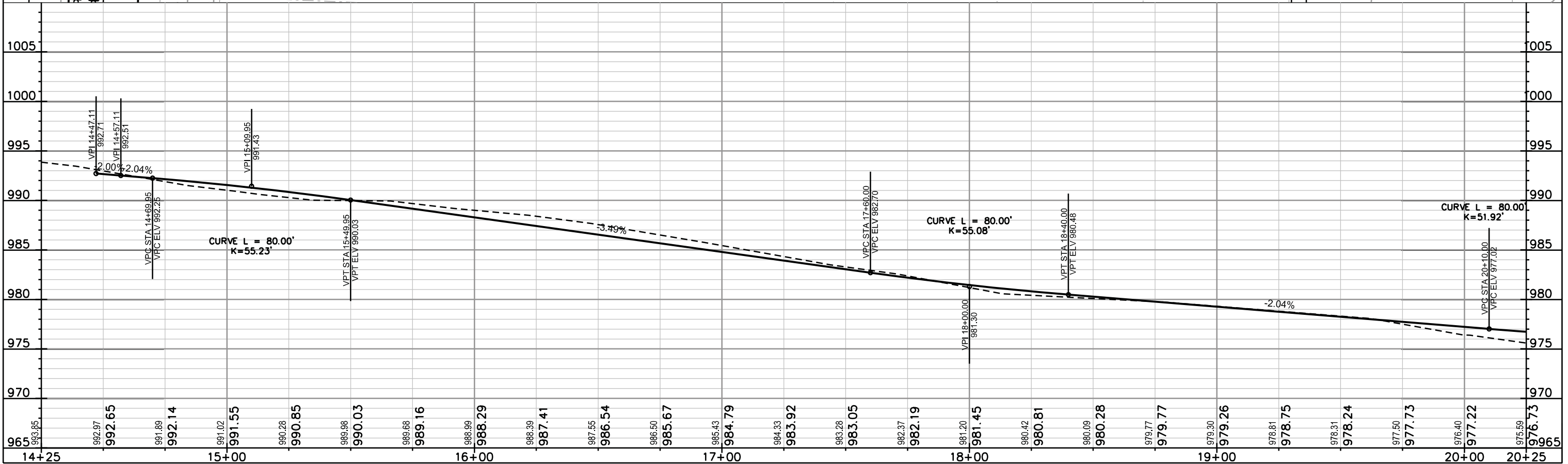
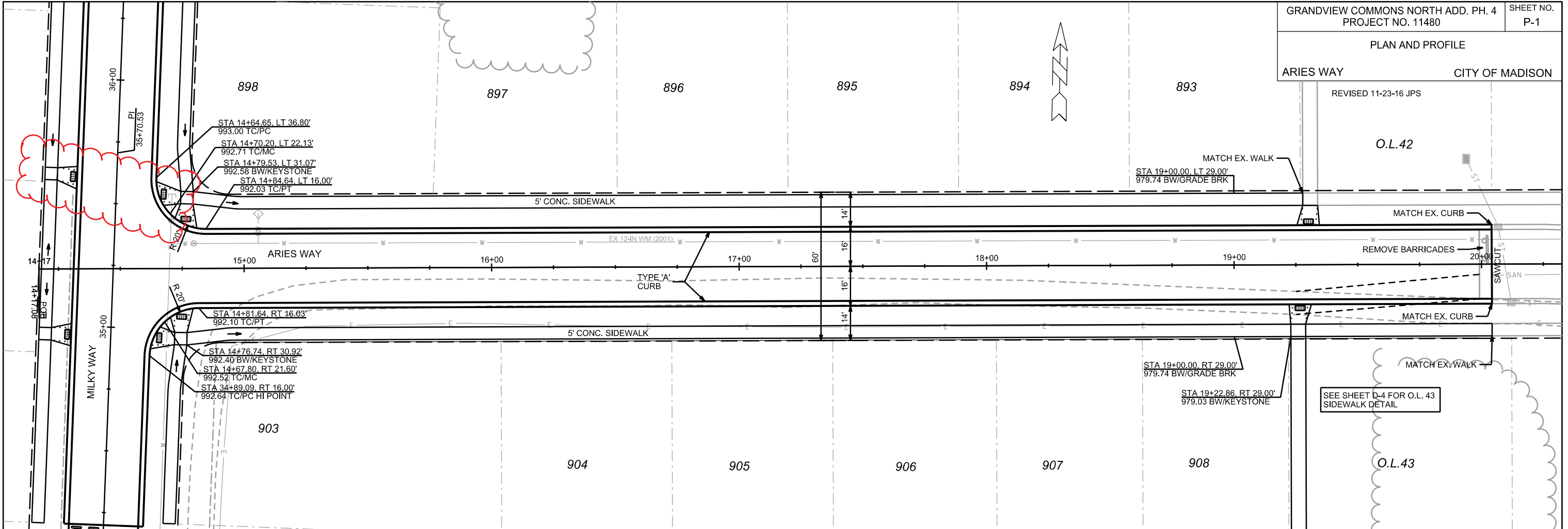
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



ORIGINATOR: CITY OF MADISON, STREETS DIVISION  
REV. DATE: \_\_\_\_\_  
PLOT NAME: \_\_\_\_\_  
PLOT SCALE: \_\_\_\_\_

PLAN AND PROFILE  
ARIES WAY CITY OF MADISON

REVISED 11-23-16 JPS



PLOT SCALE: \_\_\_\_\_

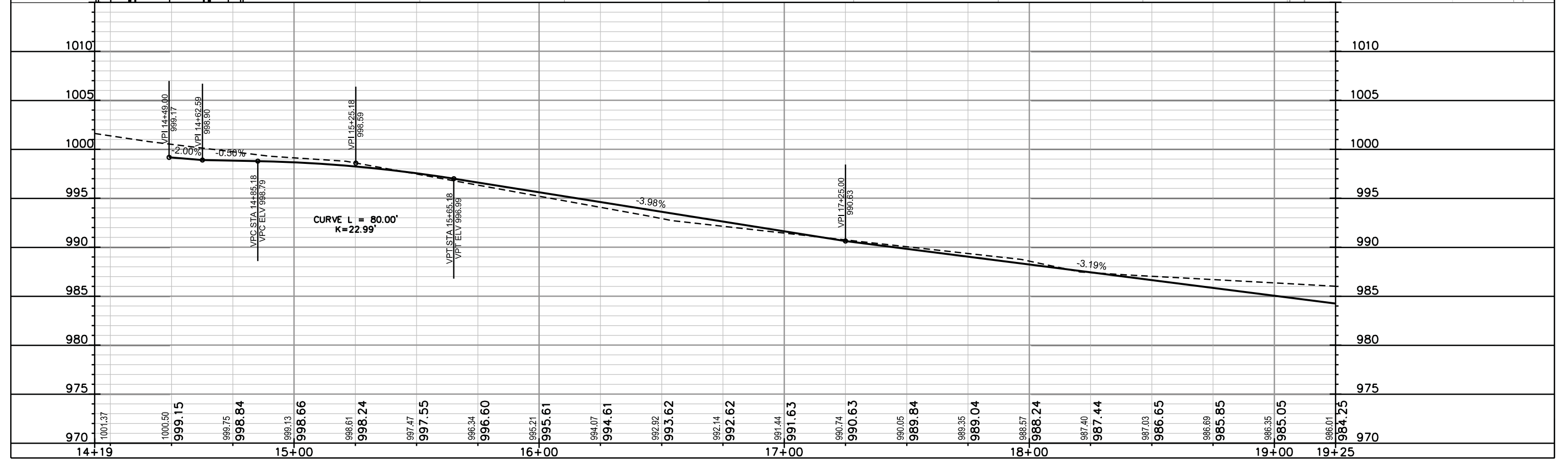
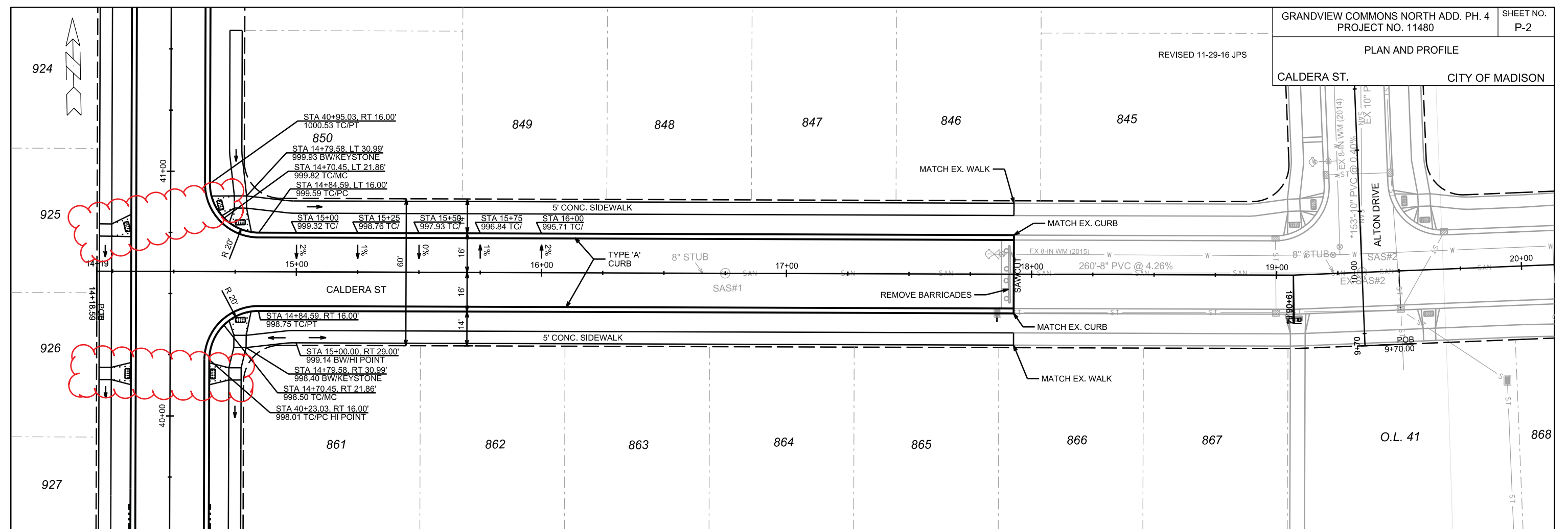
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISED 11-29-16 JPS

PLAN AND PROFILE  
CALDERA ST. CITY OF MADISON

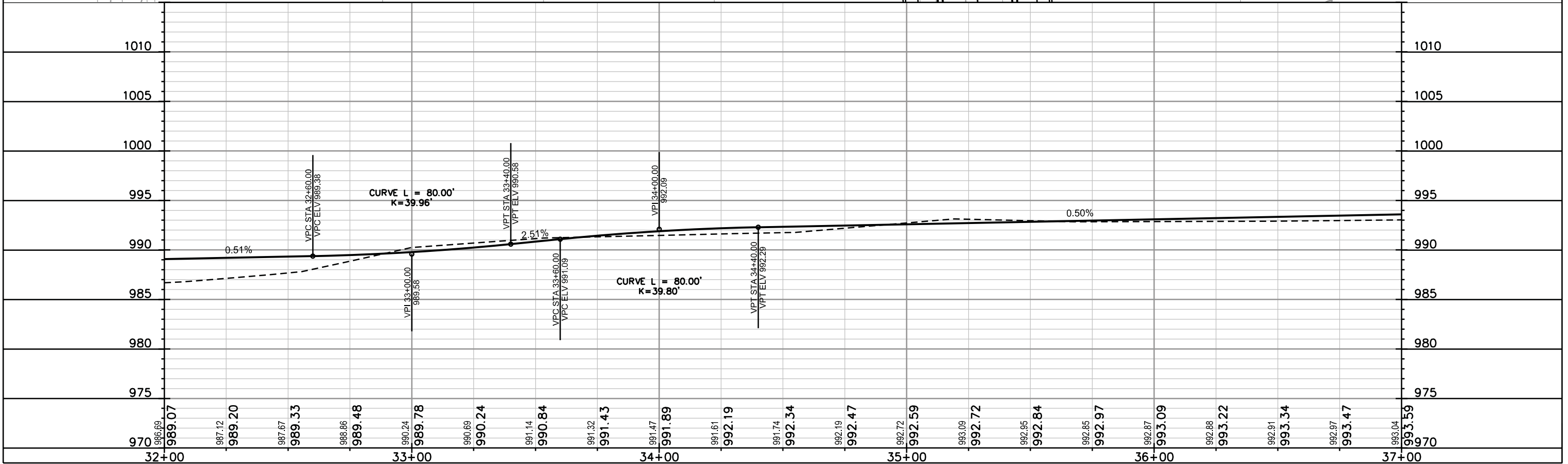
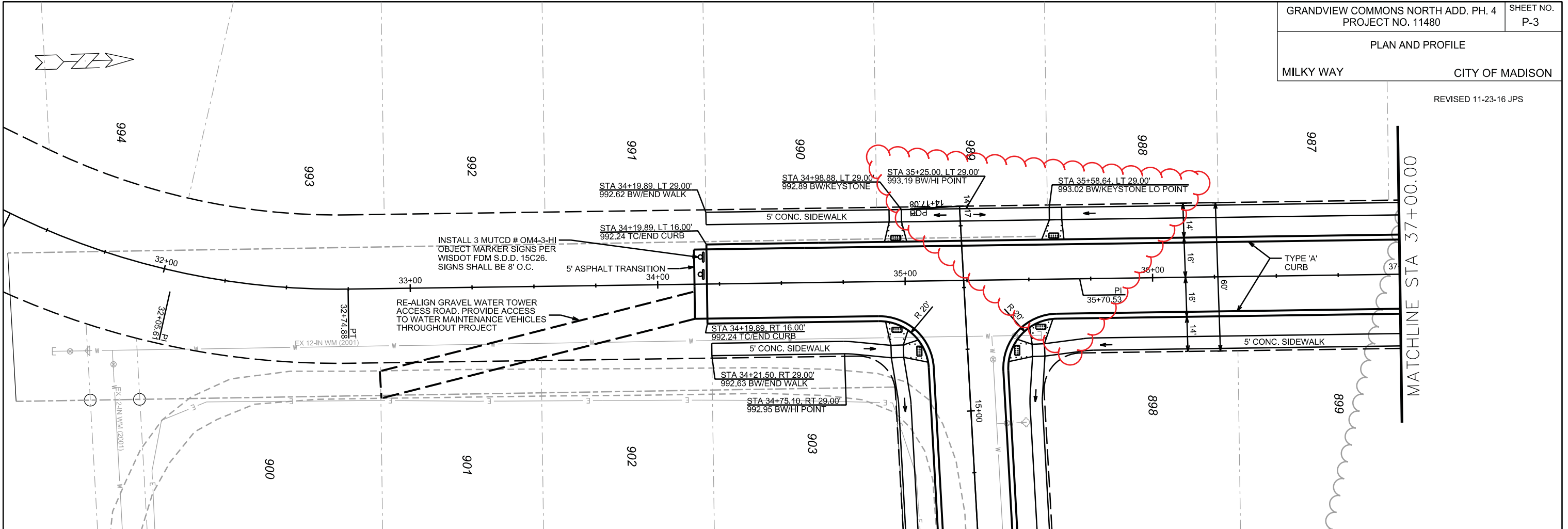


PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

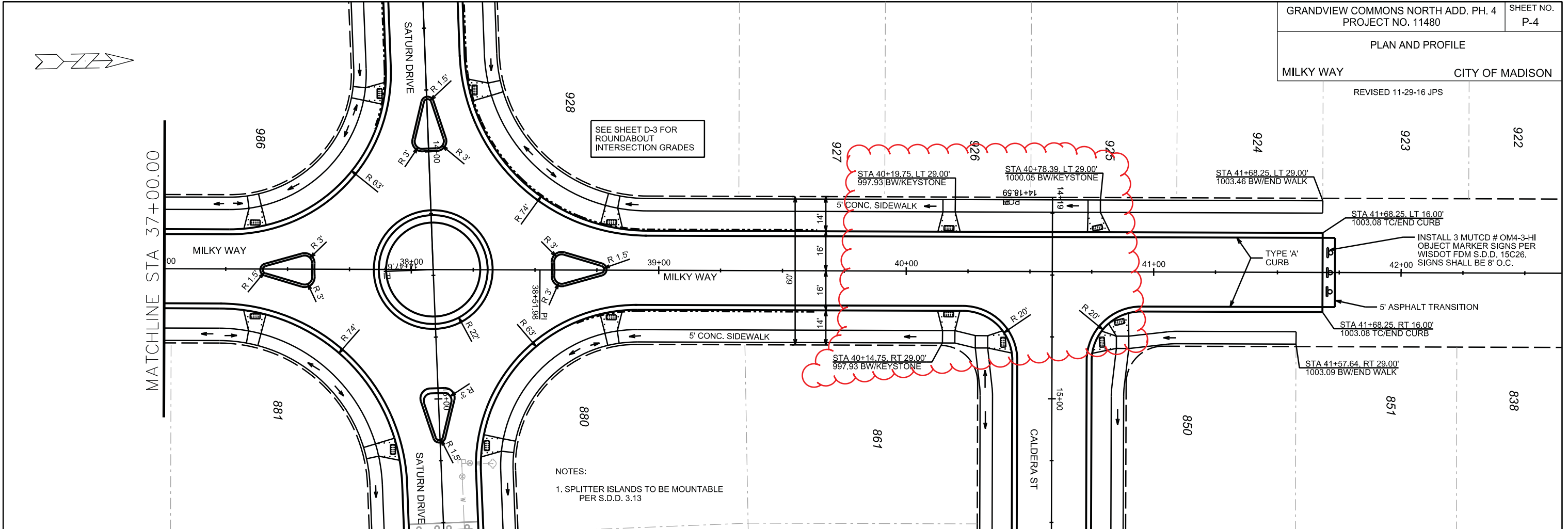
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

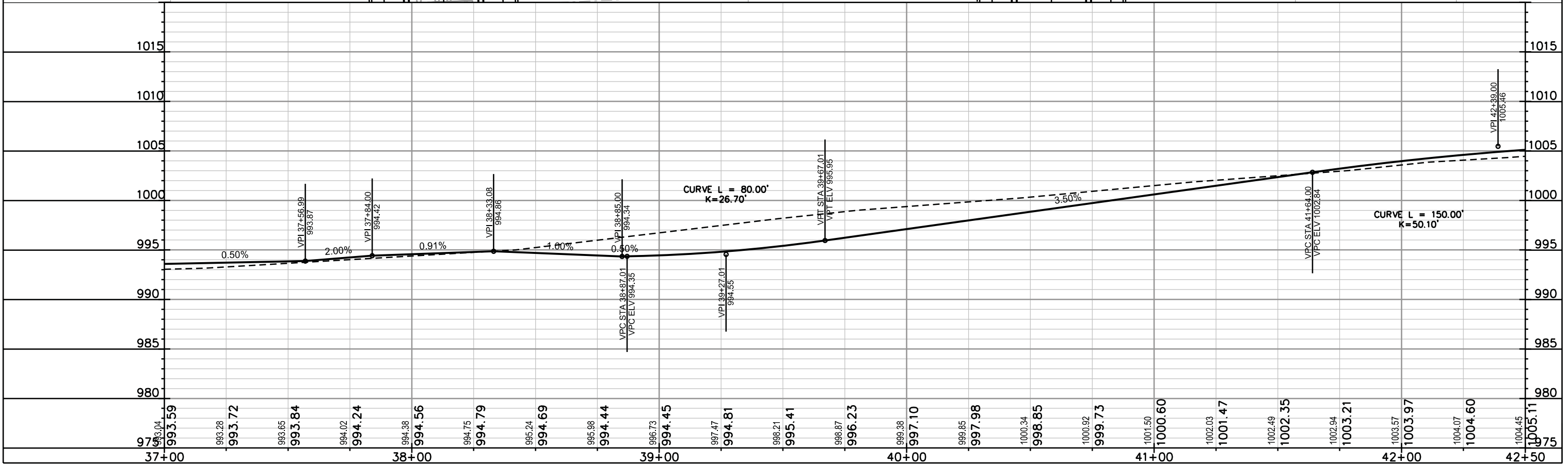


PLAN AND PROFILE  
MILKY WAY CITY OF MADISON

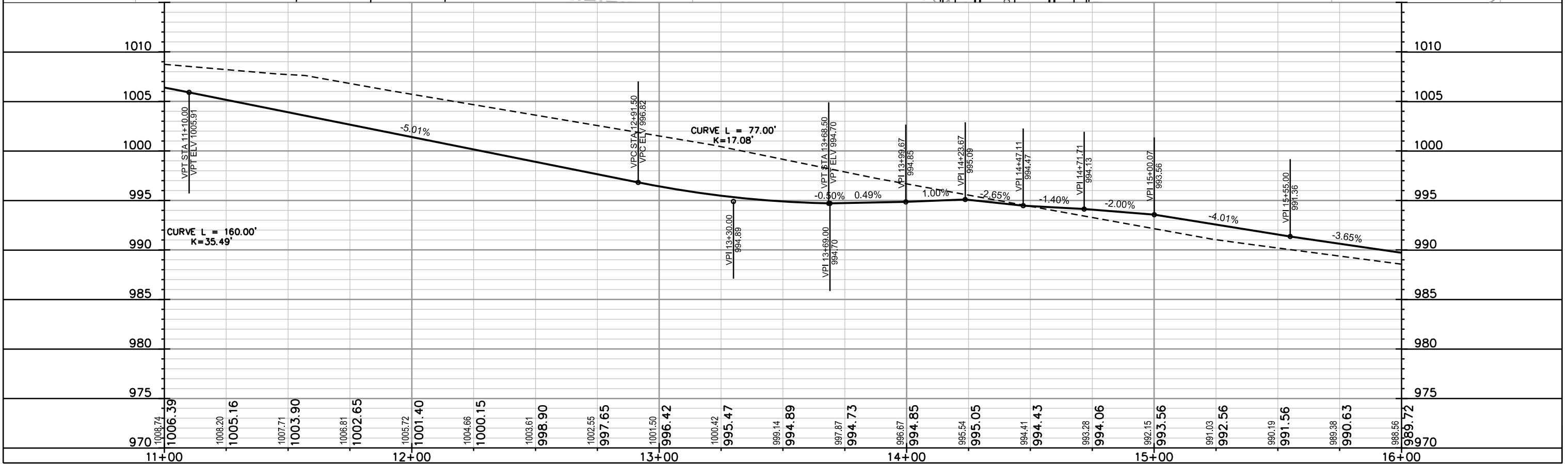
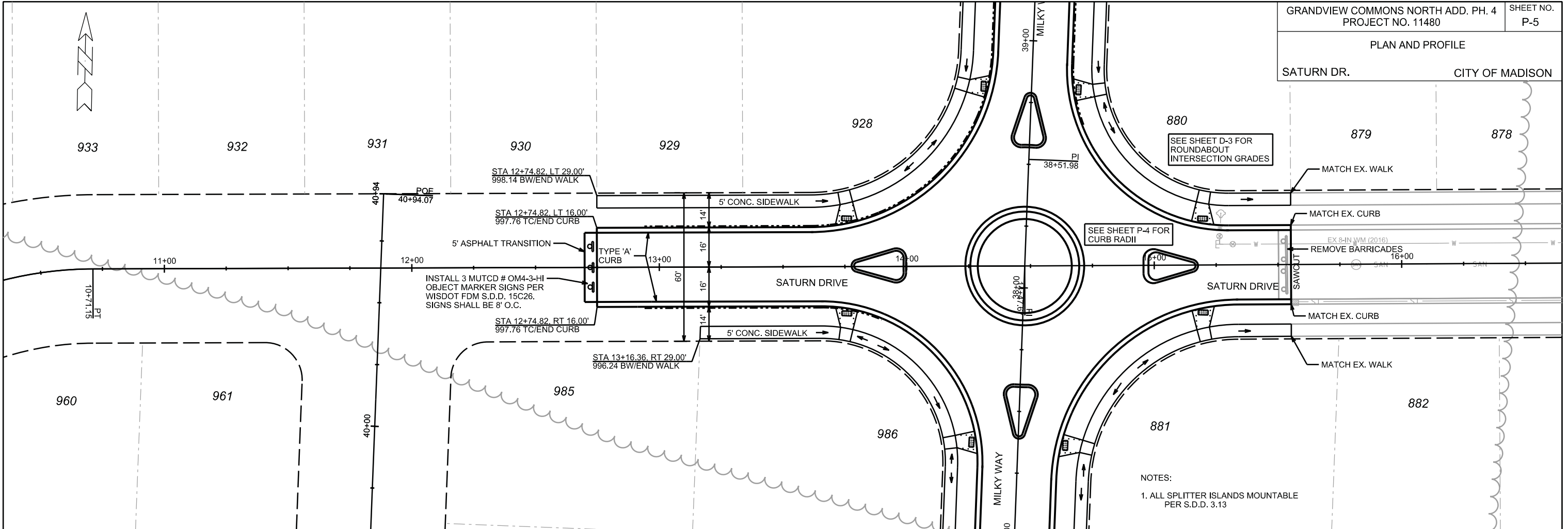
REVISED 11-29-16 JPS



NOTES:  
1. SPLITTER ISLANDS TO BE MOUNTABLE  
PER S.D.D. 3.13



ORIGINATOR: CITY OF MADISON, STREETS DIVISION  
REV. DATE:  
PLOT NAME:  
PLOT SCALE:



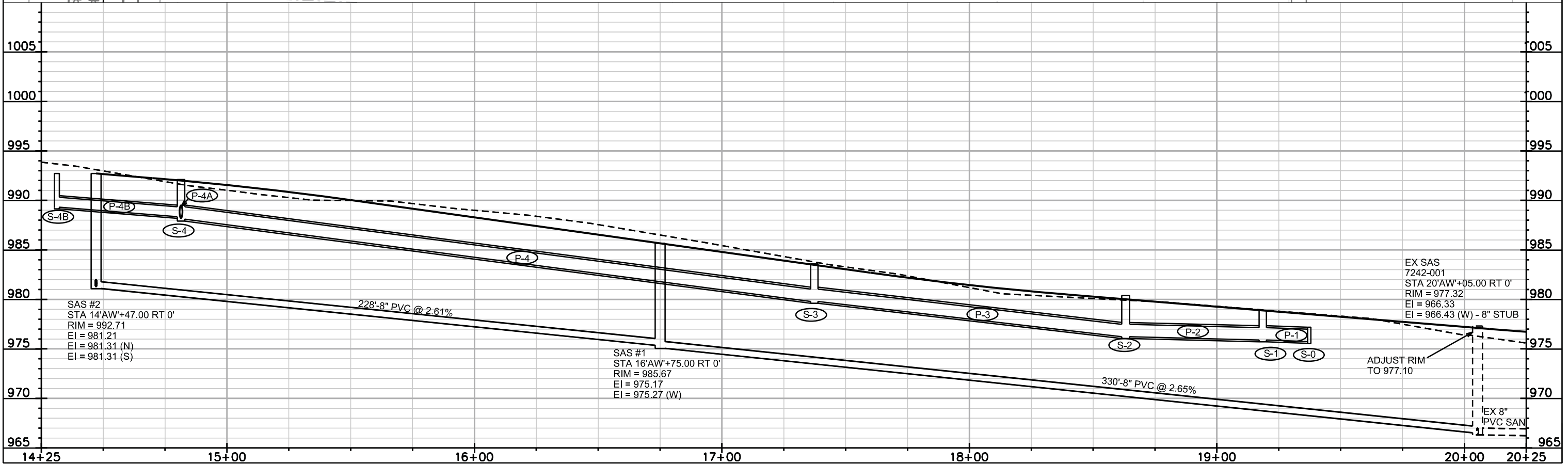
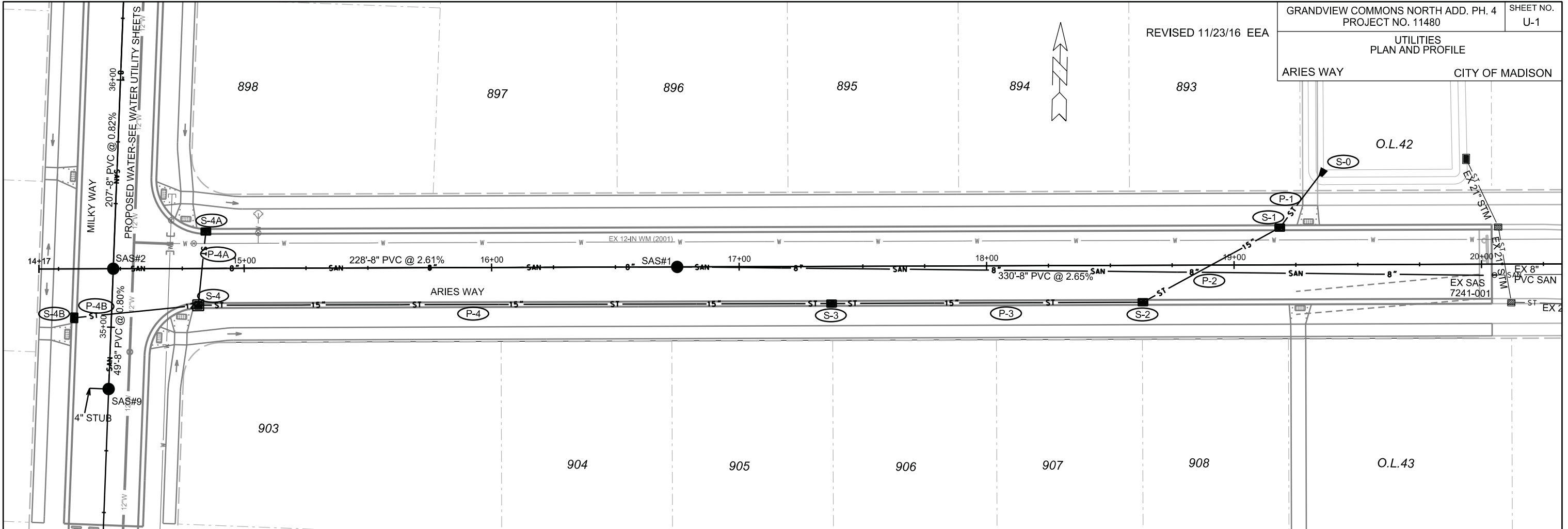
PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISED 11/23/16 EEA

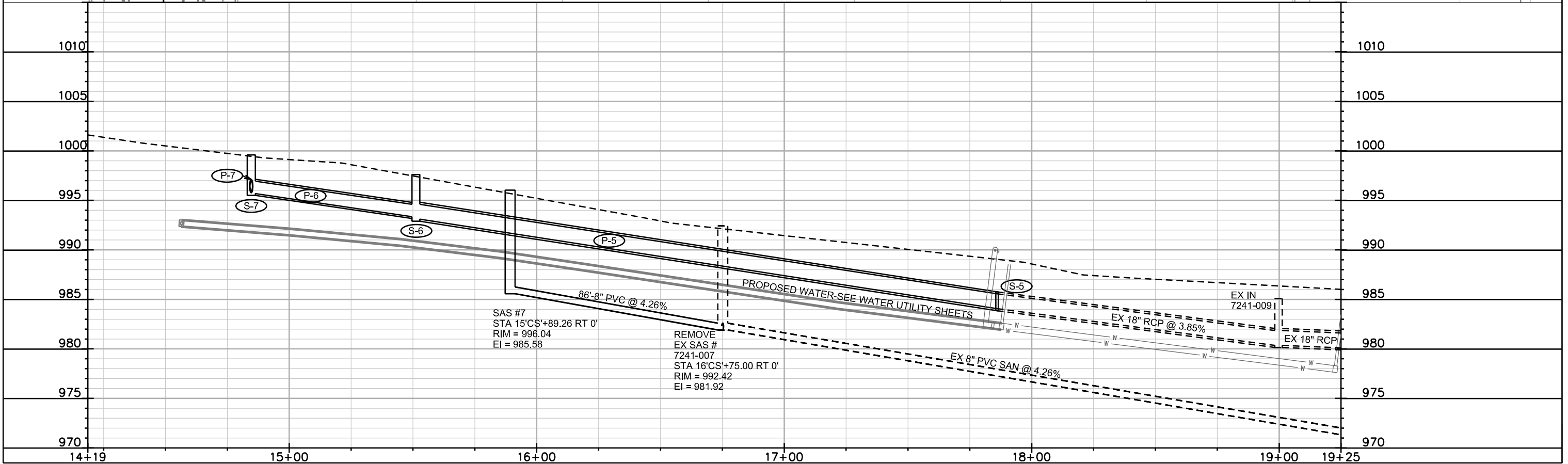
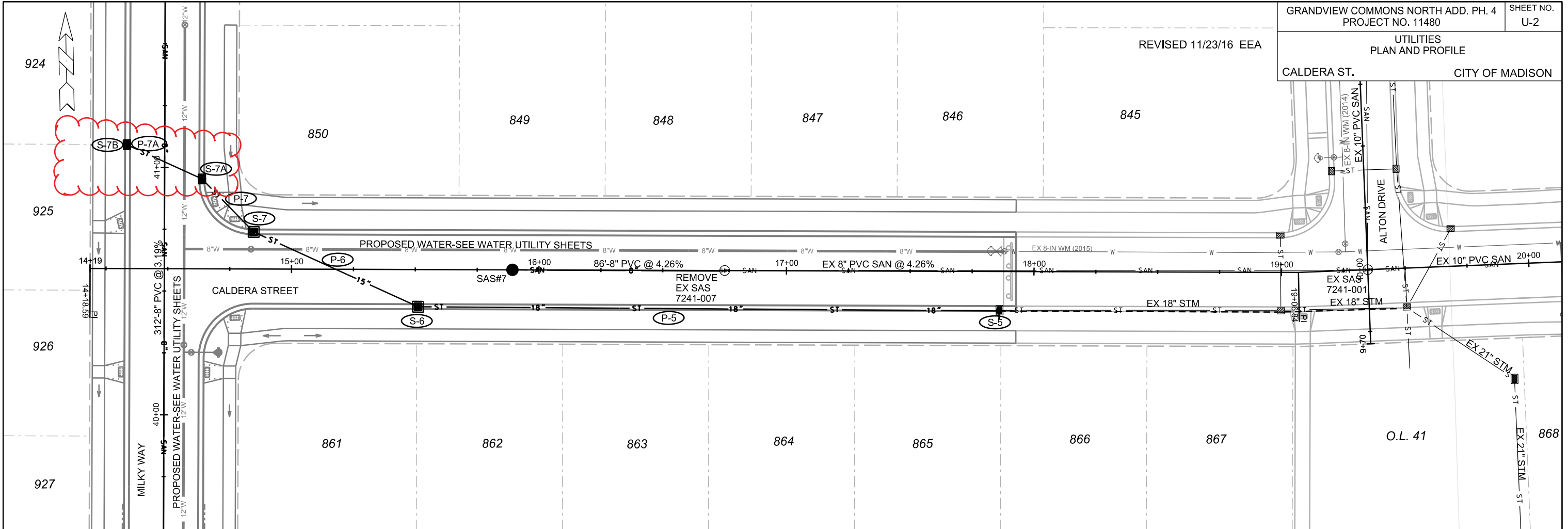


PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

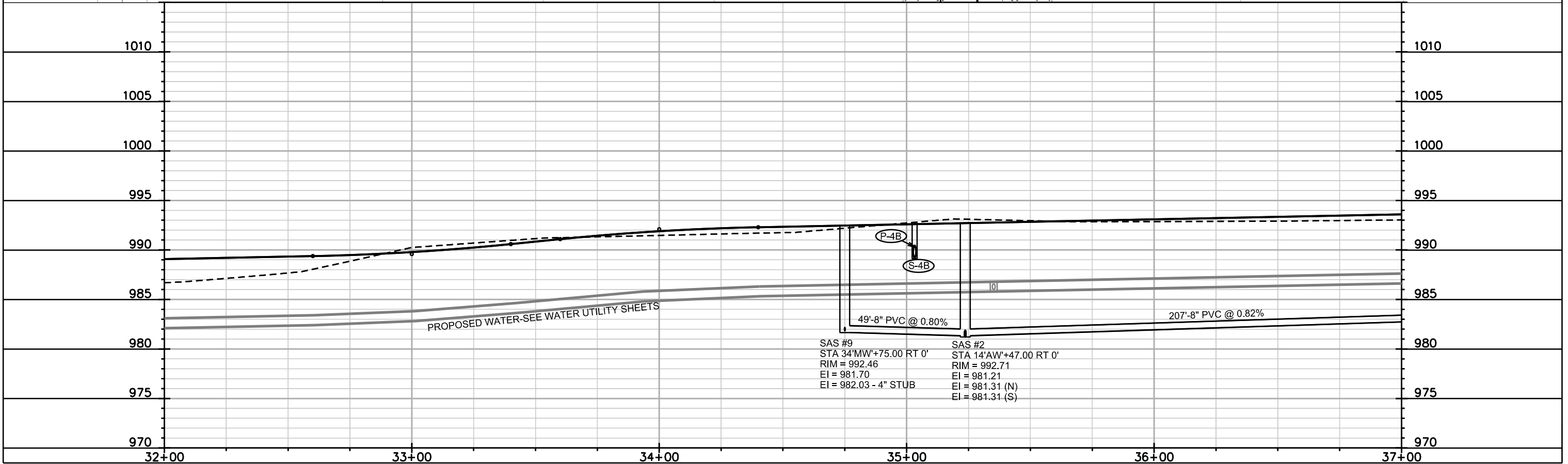
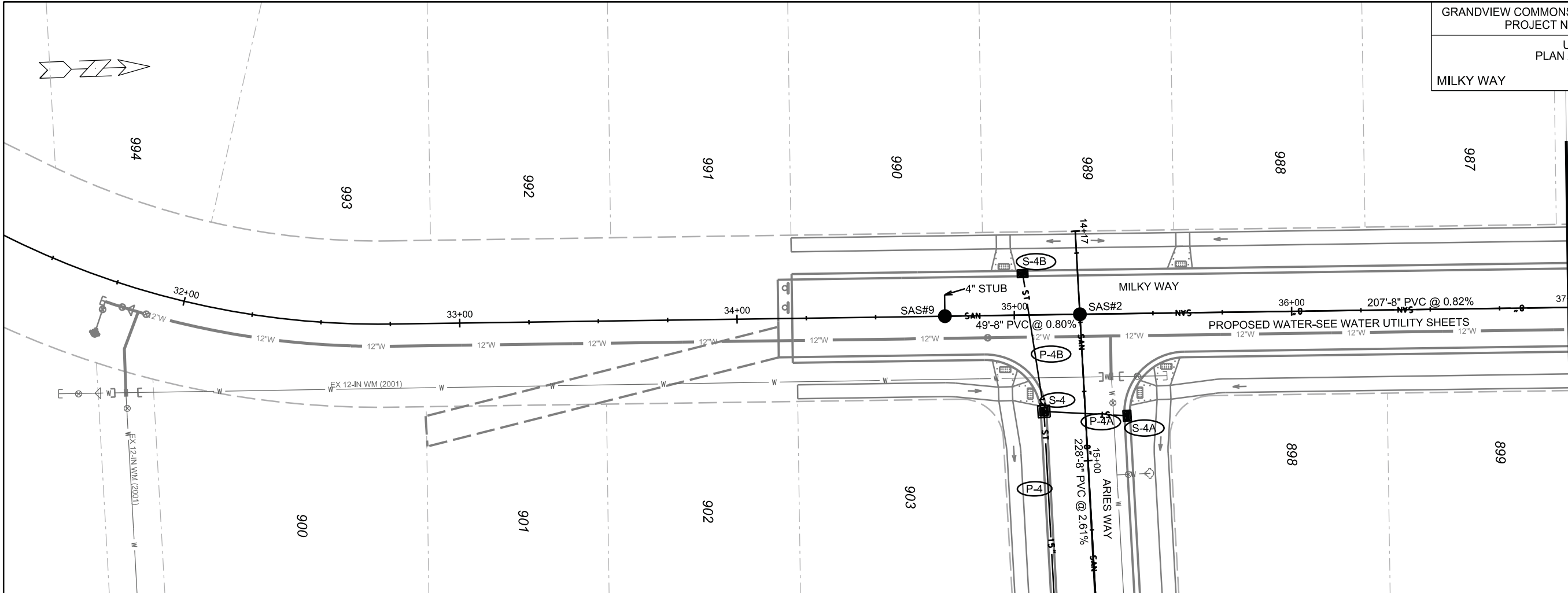


PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



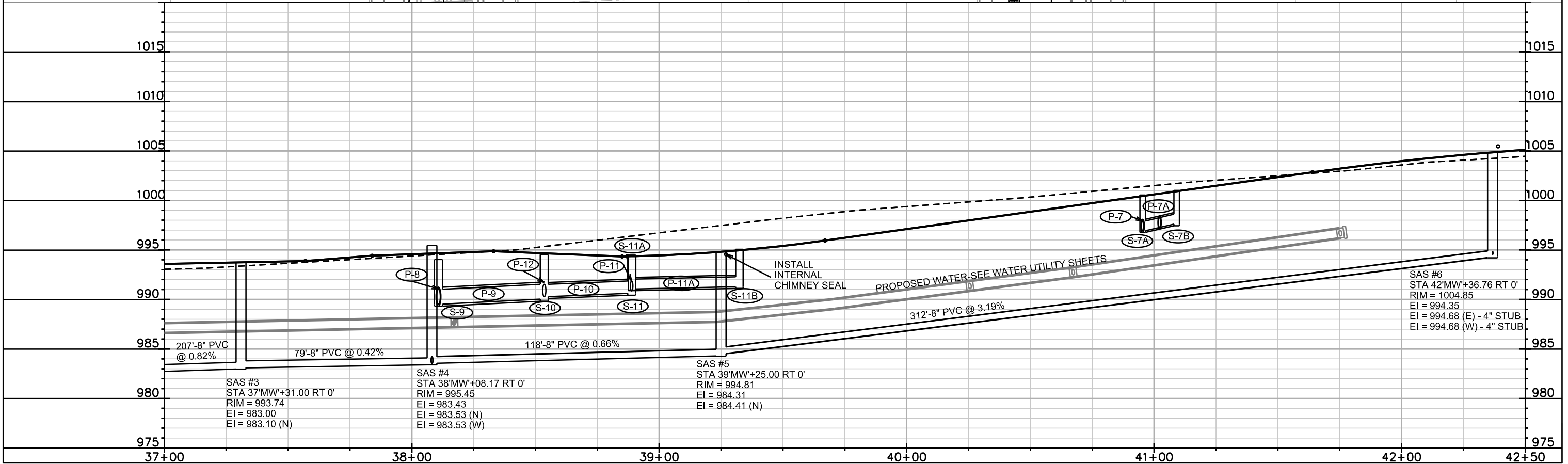
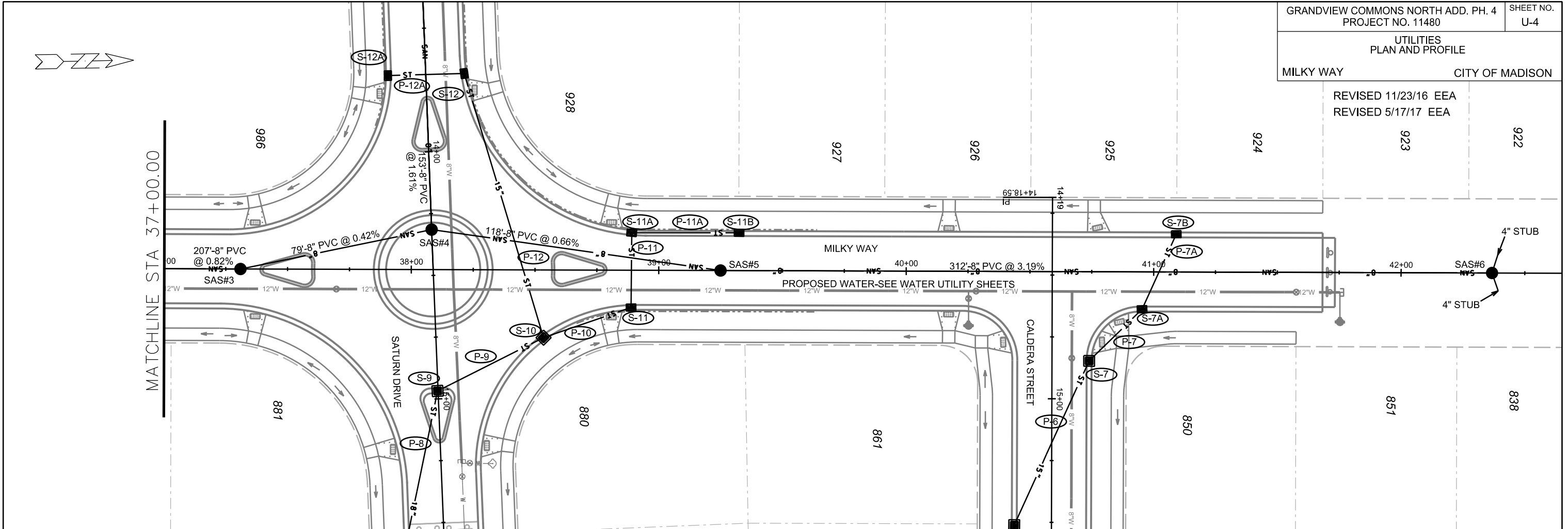
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISED 11/23/16 EEA  
REVISED 5/17/17 EEA

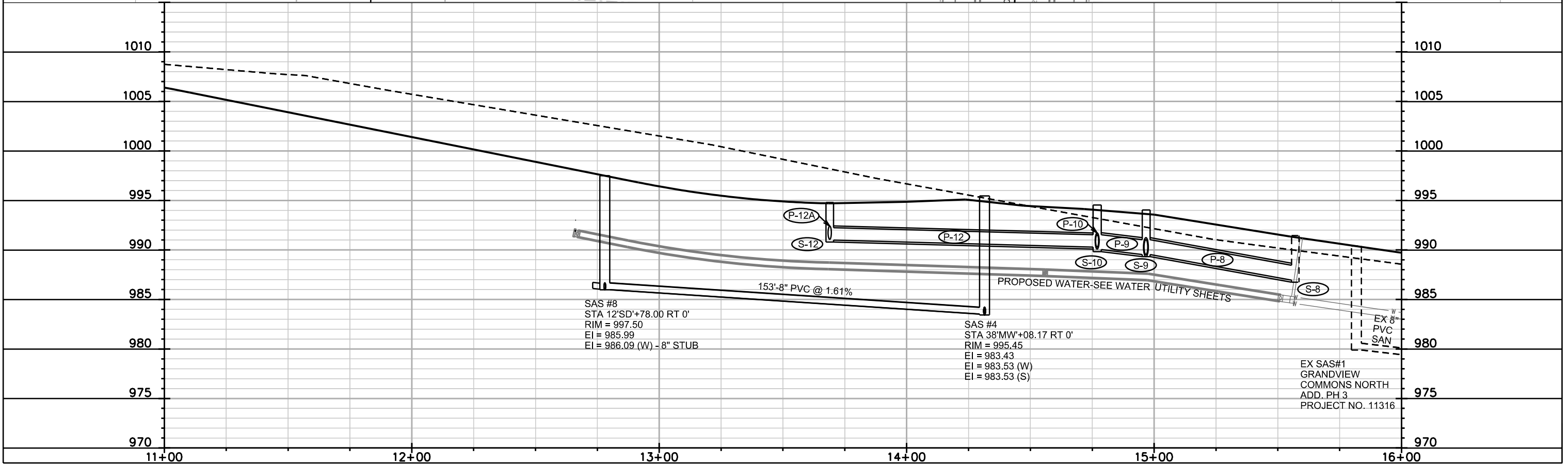
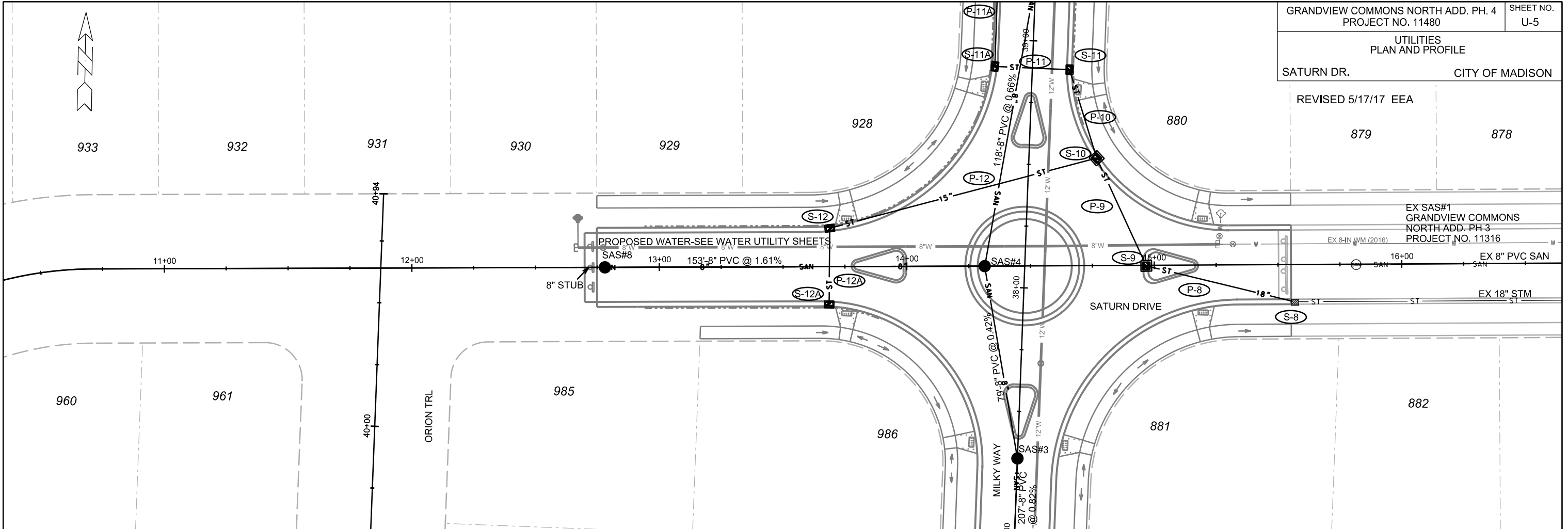


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SEWER SCHEDULE

## ALIGNMENT CODES:

'AW' = ARIES WAY  
 'CS' = CALDERA STREET  
 'MW' = MILKY WAY  
 'SD' = SATURN DRIVE

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	16'AW'+75.00	CL	985.67	975.17	10.50	-
SAS#2	14'AW'+47.00	CL	992.71	981.21	11.50	-
SAS#3	37'MW'+31.00	CL	993.74	983.00	10.74	-
SAS#4	38'MW'+08.17	CL	995.45	983.43	12.02	-
SAS#5	39'MW'+25.00	CL	994.81	984.31	10.50	INSTALL INTERNAL CHIMNEY SEAL
SAS#6	42'MW'+36.76	CL	1004.85	994.35	10.50	-
SAS#7	15'CS'+89.26	CL	996.04	985.58	10.46	-
SAS#8	12'SD'+78.00	CL	997.50	985.99	11.51	-
SAS#9	34'MW'+75.00	CL	992.46	981.70	10.76	-

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX SAS 7242-001	SAS#1	966.43	975.17	330	2.65%	8"	SDR-35	-
SAS#1	SAS#2	975.27	981.21	228	2.61%	8"	SDR-35	-
SAS#2	SAS#3	981.31	983.00	207	0.82%	8"	SDR-35	-
SAS#3	SAS#4	983.10	983.43	79	0.42%	8"	SDR-35	-
SAS#4	SAS#5	983.53	984.31	118	0.66%	8"	SDR-35	-
SAS#5	SAS#6	984.41	994.35	312	3.19%	8"	SDR-35	-
SAS#4	SAS#8	983.53	985.99	153	1.61%	8"	SDR-35	-
SAS#2	SAS#9	981.31	981.70	49	0.80%	8"	SDR-35	-
EX SAS 7241-007	SAS#7	981.92	985.58	86	4.26%	8"	SDR-35	-



# STORM SEWER SCHEDULE

\* REV 11/22/16 EEA  
 + REV 5/17/17 EEA

GRANDVIEW COMMONS NORTH ADD. PH. 4	SHEET NO.
PROJECT NO. 11480	U-7
STORM SEWER SCHEDULE	
CITY OF MADISON	

### ALIGNMENT CODES:

'AW' = ARIES WAY  
 'CS' = CALDERA STREET  
 'MW' = MILKY WAY  
 'SD' = SATURN DRIVE

### PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-0	19'AW'+36.63	LT-38.66	15" RCP AE	-	975.75	-	-
S-1	19'AW'+18.52	LT-15.50	H INLET	978.98	975.90	3.08	FP; W/ R-3067-7004-VB
S-2	18'AW'+63.14	RT-15.50	H INLET	980.39	976.23	4.16	FP; W/ R-3067-7004-VB
S-3	17'AW'+37.34	RT-15.50	H INLET	983.59	979.79	3.80	FP; W/ R-3067-7004-VB
S-4	14'AW'+81.64	RT-15.53	3X3 SAS	992.10	988.10	4.00	W/ R-3067-7004-VB
S-4A	14'AW'+84.64	LT-15.50	H INLET	992.03	988.63	3.40	W/ R-3067-7004-VB
S-4B	35'MW'+03.21	LT-15.50	H INLET	992.71	989.31	3.40	W/ R-3067-7004-VB
S-5	17'CS'+86.11	RT-15.50	CONCRETE COLLAR	-	984.06	-	-
S-6	15'CS'+51.00	RT-15.50	3X3 SAS	997.61	993.11	4.50	W/ R-3067-7004-VB
S-7	14'CS'+84.59	LT-15.50	3X3 SAS	999.59	995.69	3.90	W/ R-3067-7004-VB
S-7A	40'MW'+95.03	RT-15.50	H INLET	1000.53	996.93	3.60	FP; W/ R-3067-7004-VB
* S-7B	<b>41'MW'+08.75</b>	LT-15.50	H INLET	<b>1001.01</b>	<b>997.61</b>	3.40	W/ R-3067-7004-VB
S-8	15'SD'+56.76	RT-15.50	STM TAP	-	986.95	-	TAP EX IN 7242-012
S-9	14'SD'+97.17	CL	3X3 SAS	994.03	989.53	4.50	LP; W/ R-3067-7004-V
S-10	38'MW'+54.00	RT-27.50	3X3 SAS	994.53	990.03	4.50	W/ R-3067-7004-VB
S-11	38'MW'+89.00	RT-15.54	H INLET	994.46	990.61	3.85	LP; FP; W/ R-3067-7004-V
S-11A	38'MW'+89.00	LT-15.76	H INLET	994.46	991.06	3.40	LP; W/ R-3067-7004-V
<b>+ S-11B</b>	<b>39'MW'+32.41</b>	<b>LT-15.50</b>	<b>H INLET</b>	<b>995.06</b>	<b>991.28</b>	<b>3.78</b>	<b>W/ R-3067-7004-VB; (1)</b>
S-12	13'SD'+69.00	LT-15.90	H INLET	994.79	990.99	3.80	LP; FP; W/ R-3067-7004-V
S-12A	13'SD'+69.00	RT-15.61	H INLET	994.76	991.49	3.27	LP; W/ R-3067-7004-V

### PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-0	S-1	975.75	975.90	30	0.50%	15"	RCP	-
P-2	S-1	S-2	975.90	976.23	63	0.52%	15"	RCP	-
P-3	S-2	S-3	976.23	979.79	126	2.83%	15"	RCP	-
P-4	S-3	S-4	979.79	988.10	256	3.25%	15"	RCP	-
P-4A	S-4	S-4A	988.35	988.63	30	0.93%	12"	RCP	-
P-4B	S-4	S-4B	988.35	989.31	50	1.92%	12"	RCP	-
P-5	S-5	S-6	984.06	993.11	235	3.85%	18"	RCP	-
P-6	S-6	S-7	993.36	995.69	73	3.19%	15"	RCP	-
P-7	S-7	S-7A	995.94	996.93	30	3.30%	12"	RCP	-
* P-7A	S-7A	S-7B	996.93	<b>997.61</b>	<b>33</b>	<b>2.06%</b>	12"	RCP	-
P-8	S-8	S-9	986.95	989.53	62	4.16%	18"	RCP	-
P-9	S-9	S-10	989.53	990.03	48	1.04%	18"	RCP	-
P-10	S-10	S-11	990.28	990.61	37	0.89%	15"	RCP	-
P-11	S-11	S-11A	990.86	991.06	30	0.67%	12"	RCP	-
<b>+ P-11A</b>	<b>S-11A</b>	<b>S-11B</b>	<b>991.06</b>	<b>991.28</b>	<b>43</b>	0.51%	<b>12"</b>	<b>RCP</b>	-
P-12	S-12	S-12	990.28	990.99	111	0.64%	15"	RCP	-
P-12A	S-12	S-12A	991.24	991.49	31	0.81%	12"	RCP	-

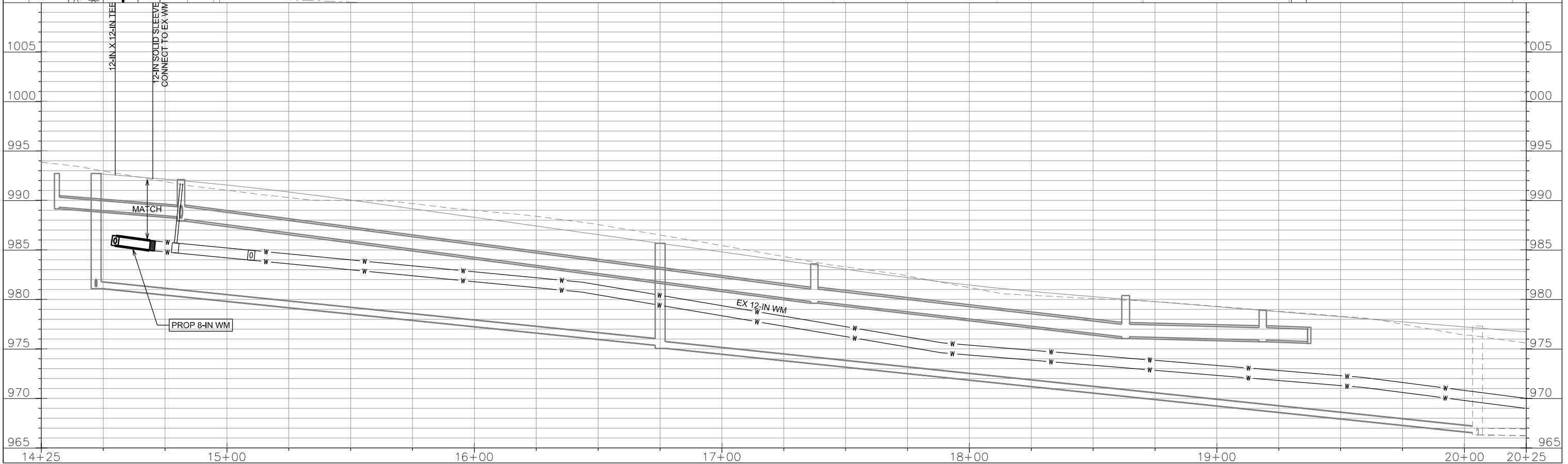
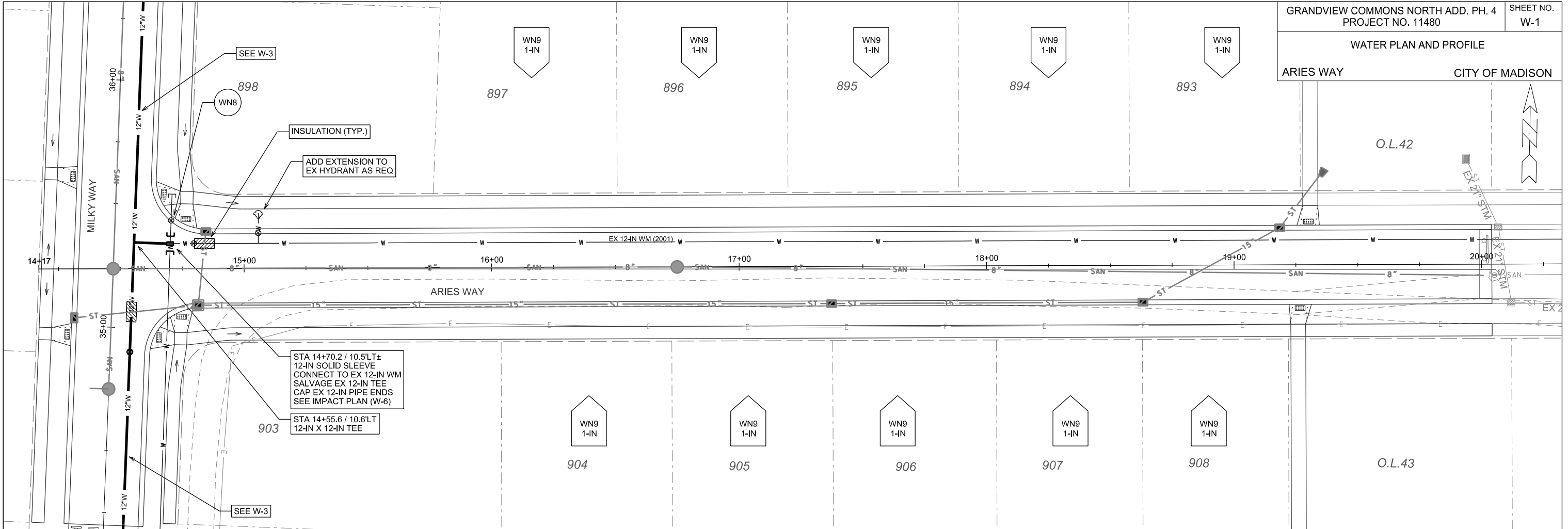
### NOTES:

(1) 12" KNOCKOUT WEST FOR FUTURE PRIVATE PIPE

### STANDARD NOTES:

- 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.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- 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.

WATER PLAN AND PROFILE  
ARIES WAY CITY OF MADISON



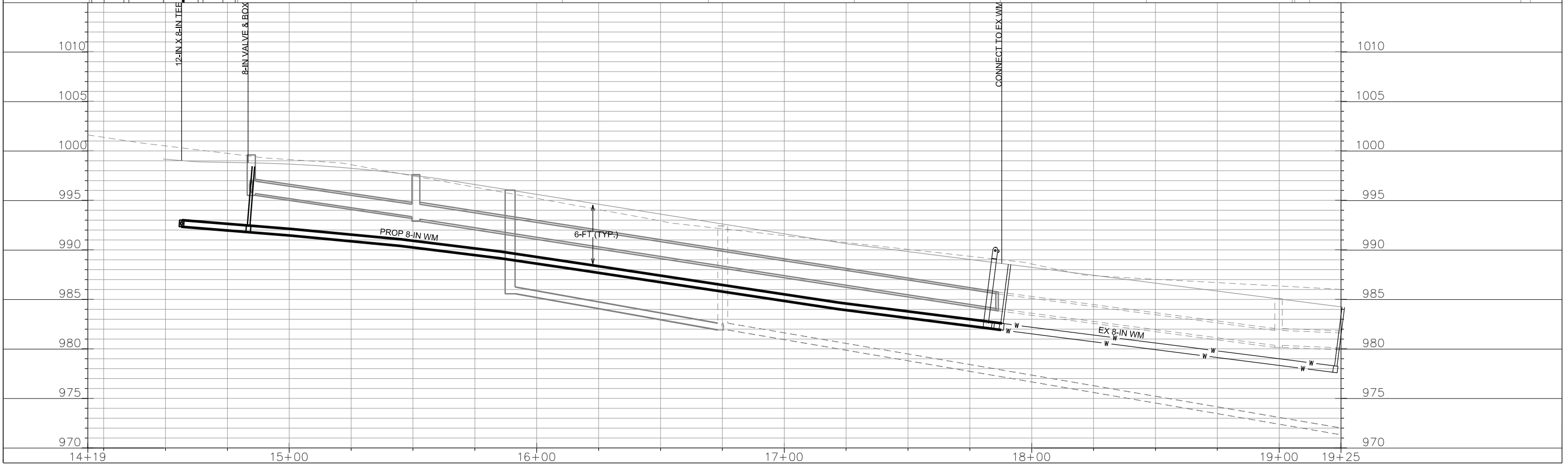
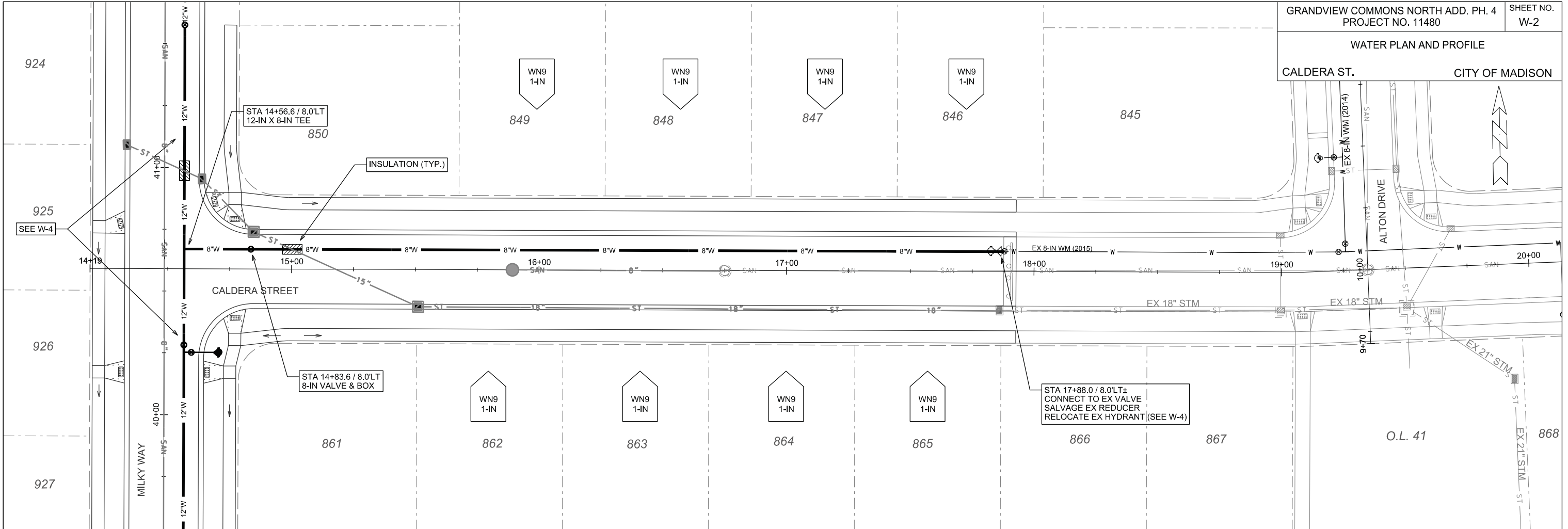
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE  
CALDERA ST. CITY OF MADISON



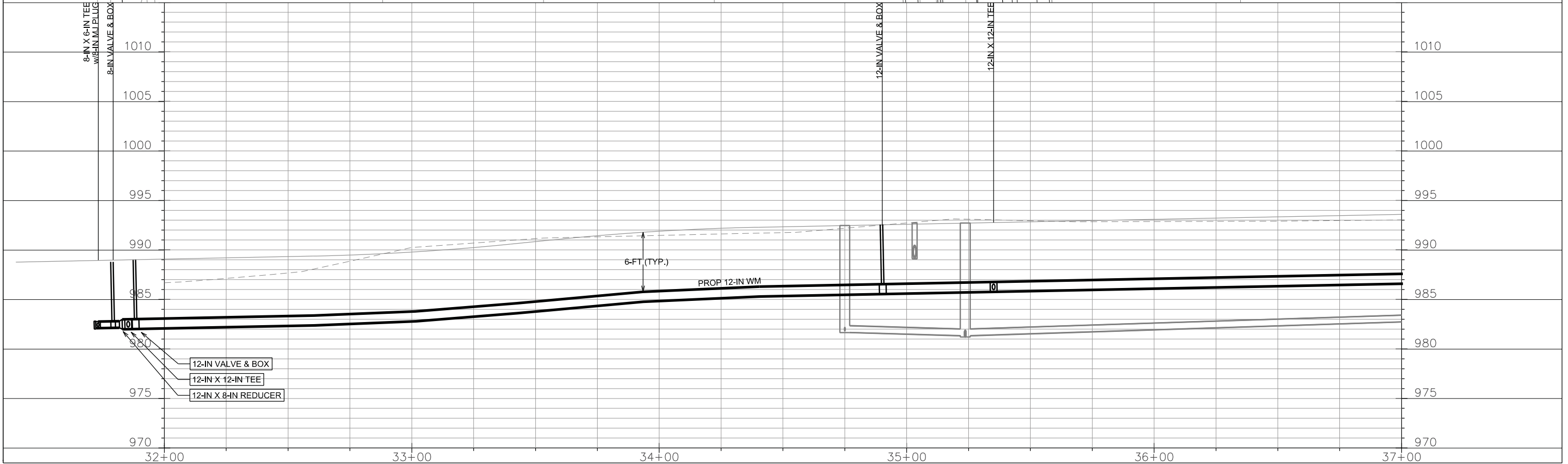
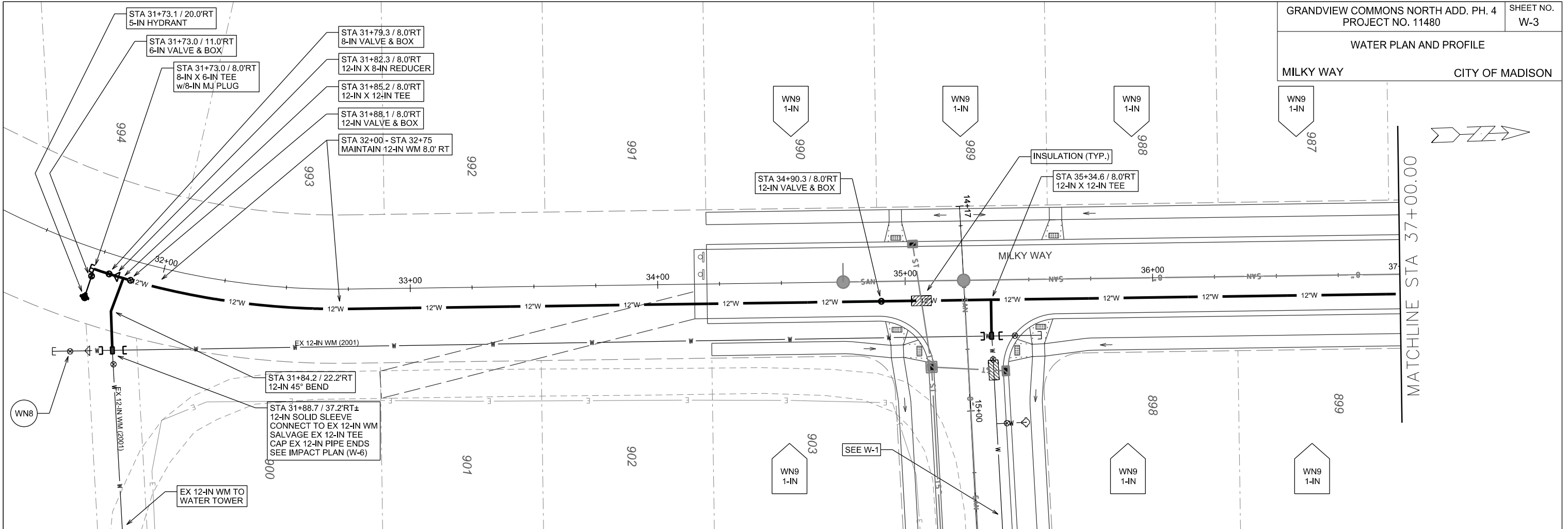
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE  
MILKY WAY CITY OF MADISON



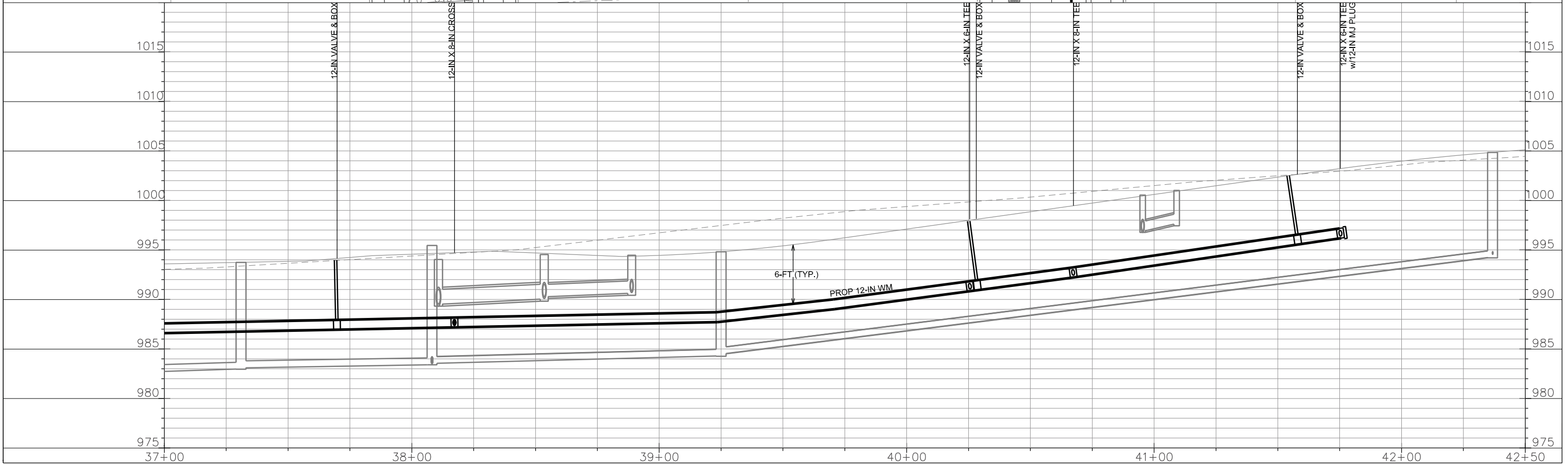
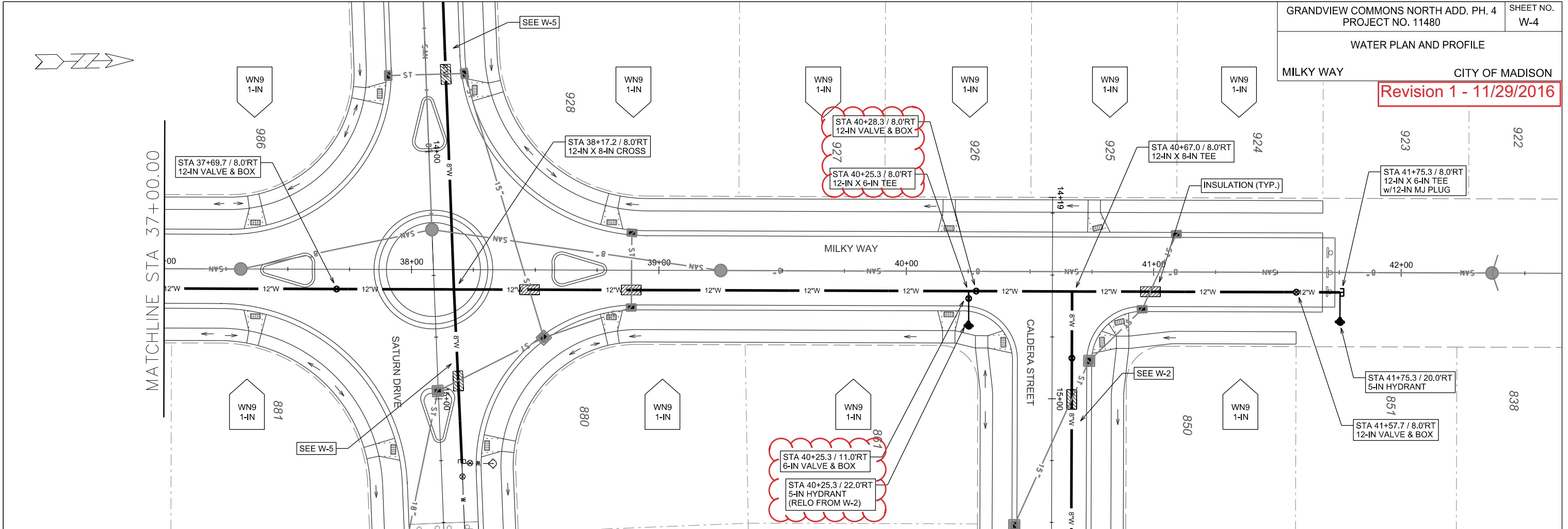
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

Revision 1 - 11/29/2016

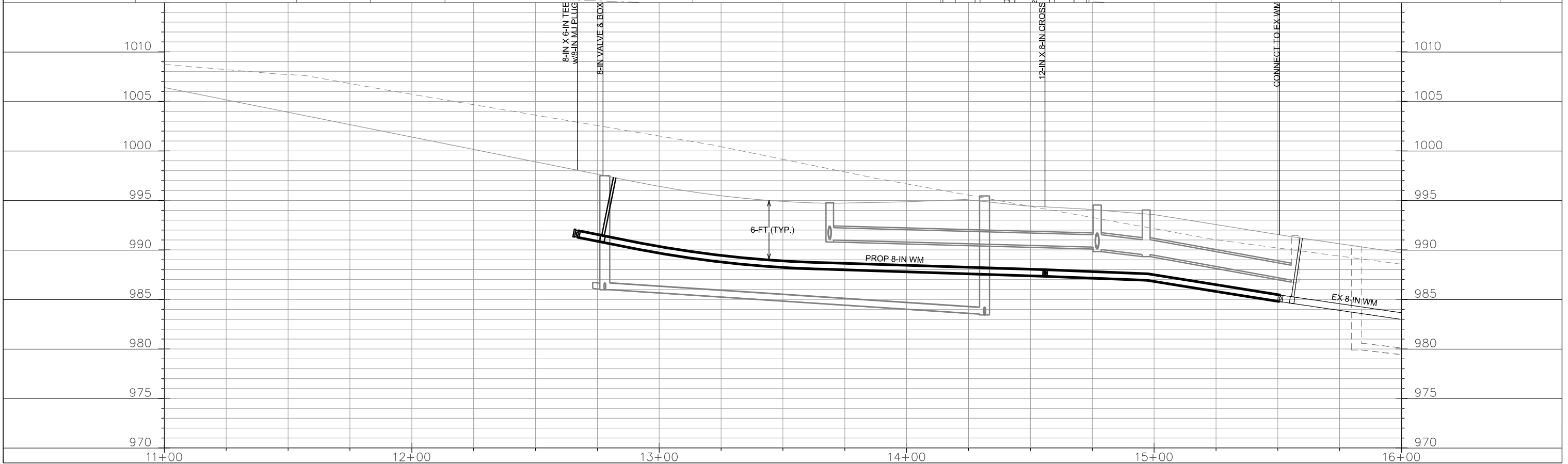
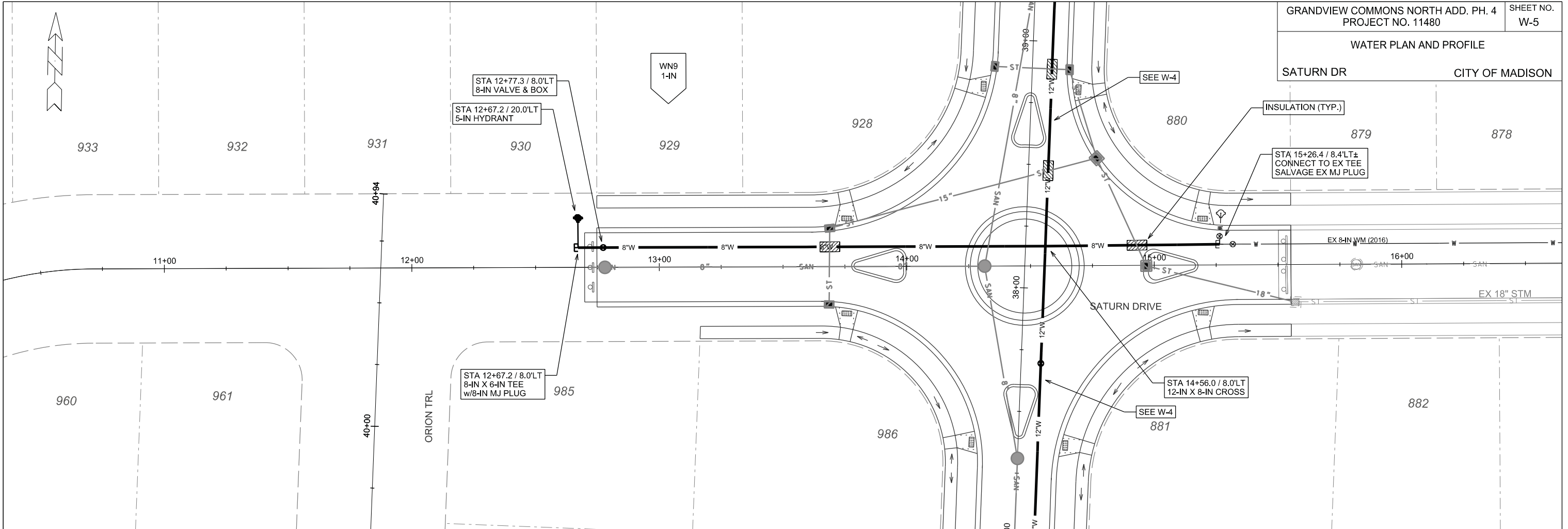


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

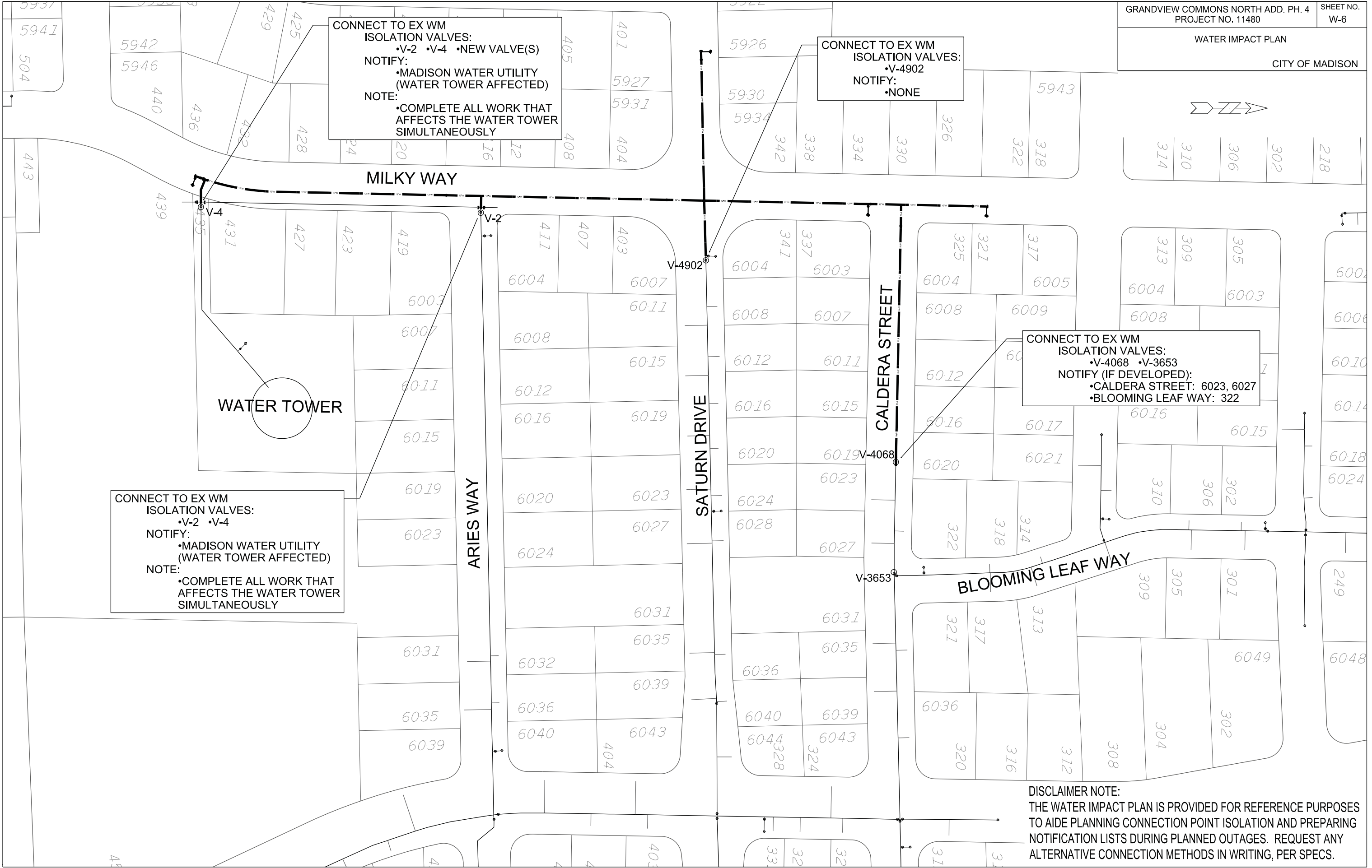
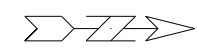


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CONNECT TO EX WM  
ISOLATION VALVES:  
•V-2 •V-4 •NEW VALVE(S)  
NOTIFY:  
•MADISON WATER UTILITY  
(WATER TOWER AFFECTED)  
NOTE:  
•COMPLETE ALL WORK THAT  
AFFECTS THE WATER TOWER  
SIMULTANEOUSLY

CONNECT TO EX WM  
ISOLATION VALVES:  
•V-4902  
NOTIFY:  
•NONE

CONNECT TO EX WM  
ISOLATION VALVES:  
•V-4068 •V-3653  
NOTIFY (IF DEVELOPED):  
•CALDERA STREET: 6023, 6027  
•BLOOMING LEAF WAY: 322

CONNECT TO EX WM  
ISOLATION VALVES:  
•V-2 •V-4  
NOTIFY:  
•MADISON WATER UTILITY  
(WATER TOWER AFFECTED)  
NOTE:  
•COMPLETE ALL WORK THAT  
AFFECTS THE WATER TOWER  
SIMULTANEOUSLY

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

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

**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 EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN 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.

 INDICATES INSULATION AT STORM SEWER CROSSING

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

**ESTIMATE OF CONTRACTOR-SUPPLIED PROJECT MATERIALS:**

\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.

WATER MAIN AND FITTING MATERIALS	
6-IN PIPE (LF)	60
8-IN PIPE (LF)	600
POLY WRAP (LF)	730
6-IN VALVES & BOXES	2
8-IN VALVES & BOXES	3
8-IN X 6-IN TEES	2
8-IN MJ PLUGS	2
5-IN HYDRANTS	3

MISC. MATERIALS	
INSULATION (LF)	64
COPPER TUBING (1-IN TO 2-IN)	AS REQ

**ESTIMATE OF WATER UTILITY-SUPPLIED PROJECT MATERIALS:**

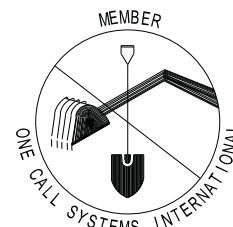
WATER MAIN AND FITTING MATERIALS	
12-IN PIPE (LF)	1040
POLY WRAP	1150
12-IN VALVES & BOXES	5
12-IN 45° BENDS	1
12-IN X 8-IN CROSSES	1
12-IN X 6-IN TEES	2
12-IN X 8-IN TEES	1
12-IN X 12-IN TEES	2
12-IN SOLID SLEEVES	2
12-IN X 8-IN REDUCERS	1
12-IN MJ CAPS	4
12-IN MJ PLUGS	1

REUSED OR SALVAGED MATERIALS	
5-IN HYDRANTS	1
12-IN X 12-IN TEES	2
8-IN X 6-IN REDUCERS	1
8-IN MJ PLUGS	1

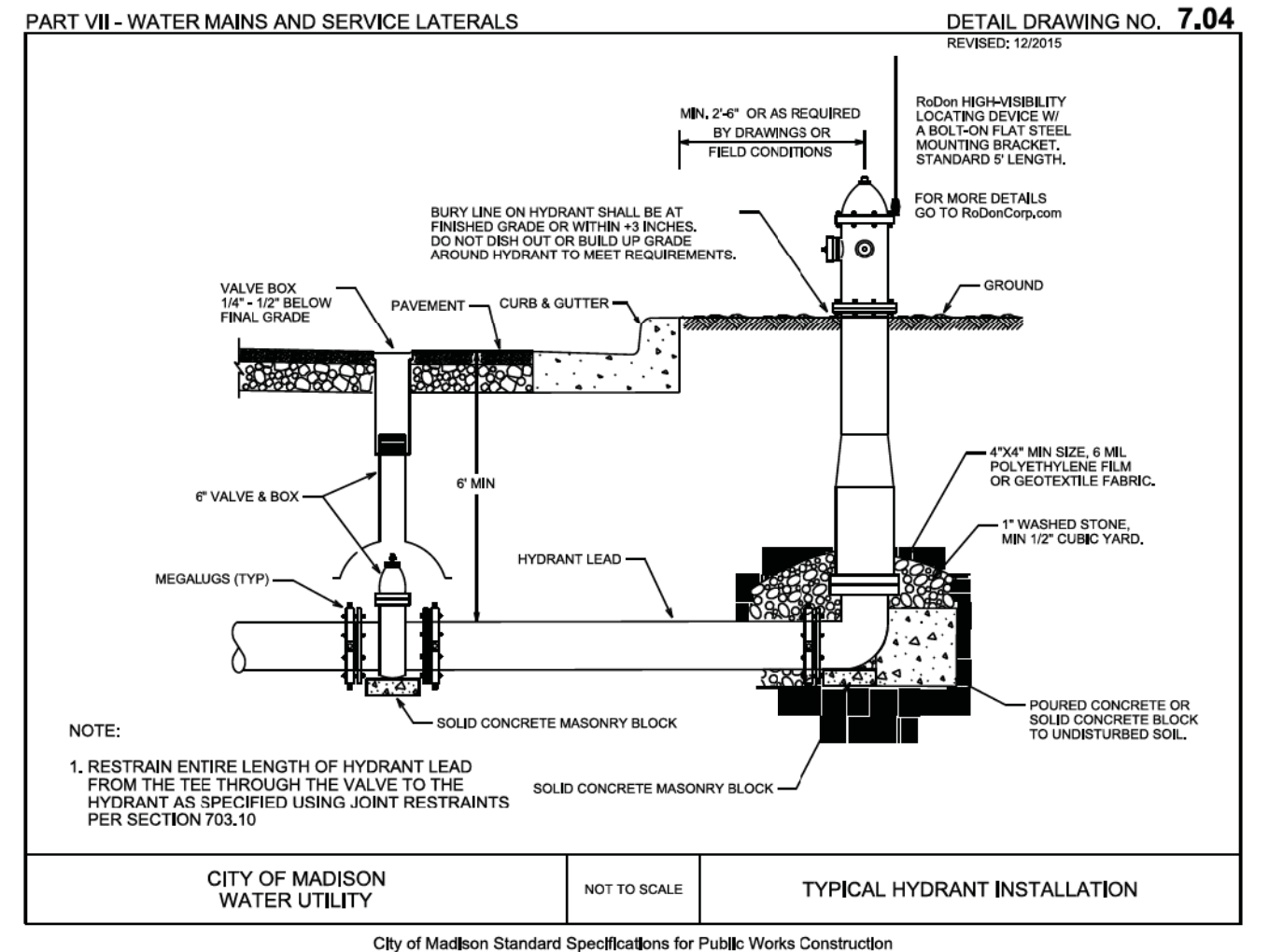
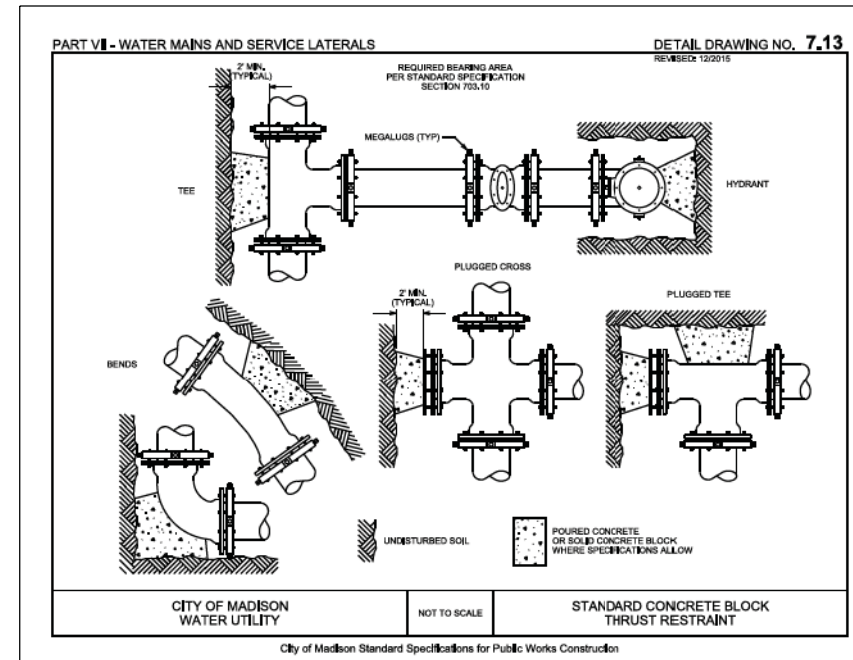
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION