

# CITY OF MADISON

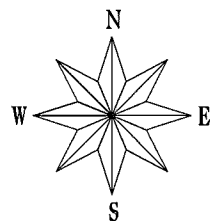
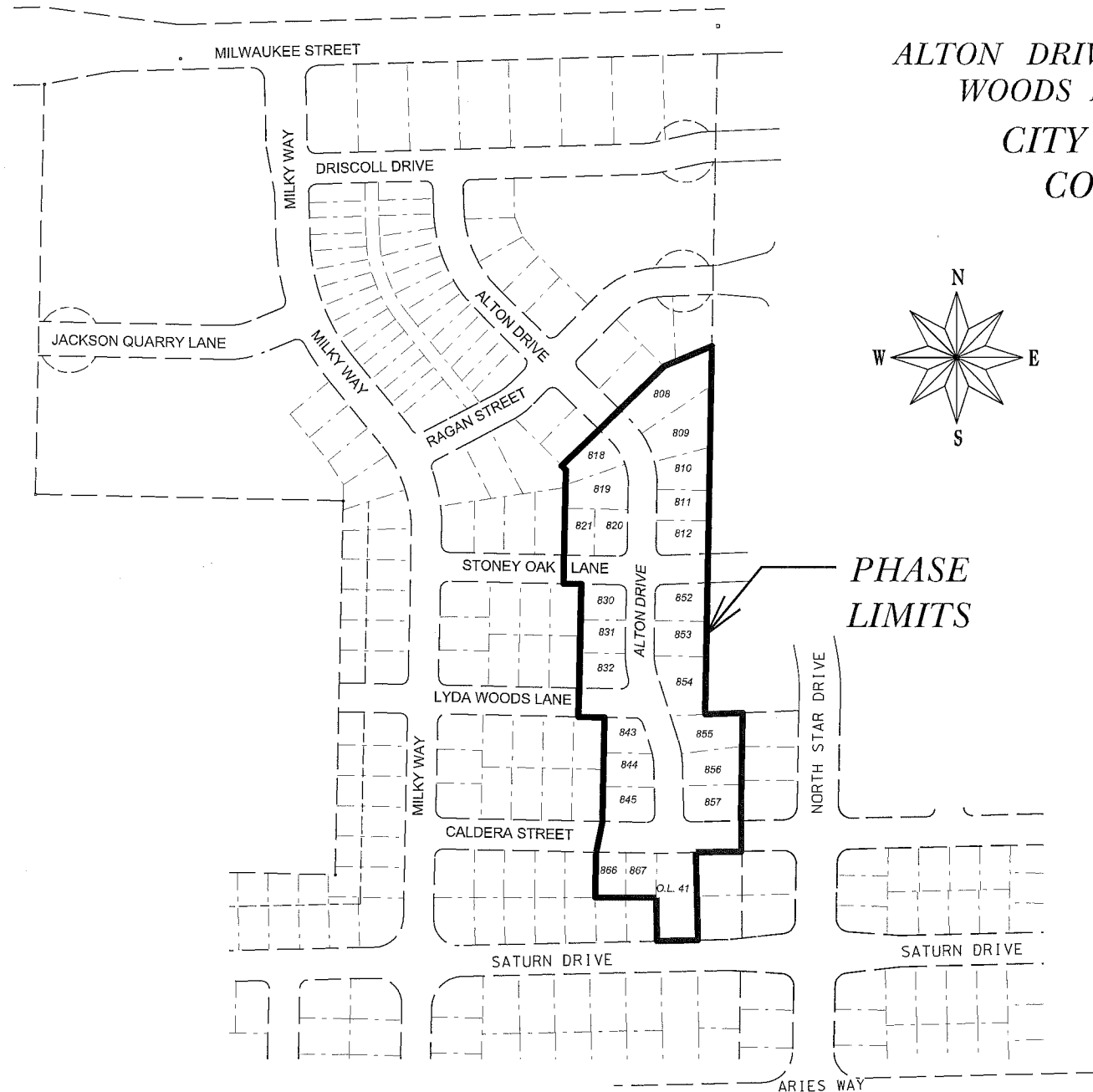
CITY ENGINEERING DIVISION  
DEPARTMENT OF PUBLIC WORKS

## PLAN OF PROPOSED IMPROVEMENT GRANDVIEW COMMONS NORTH ADDITION PHASE 2

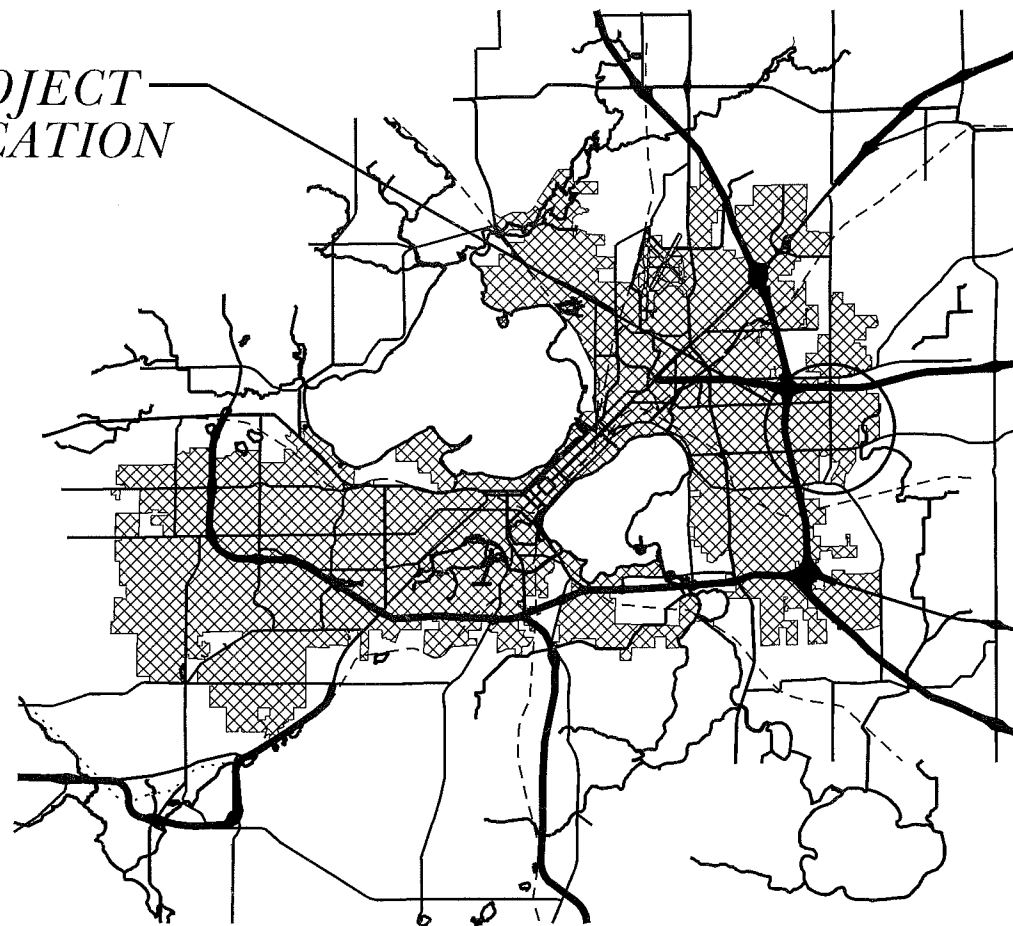
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ALTON DRIVE, STONEY OAK LANE, LYDA  
WOODS LANE, CALDERA STREET  
CITY PROJECT NO. 10503  
CONTRACT NO. 2416



PROJECT  
LOCATION

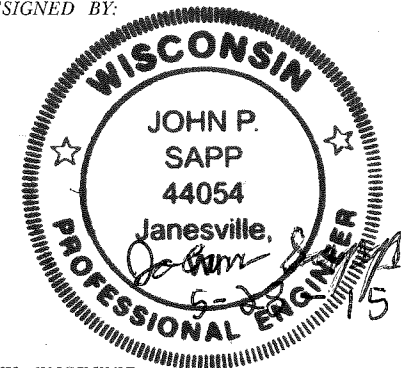


PUBLIC IMPROVEMENT PROJECT APPROVED  
FEBRUARY 24, 2015  
BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

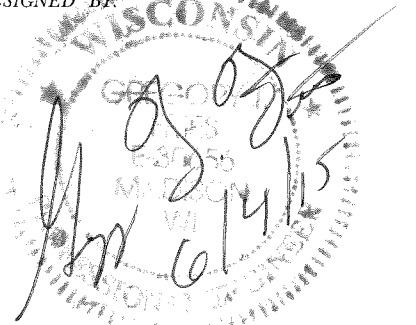
*6/8/15 [Signature]*  
City Engineer Date

STREET  
DESIGNED BY:



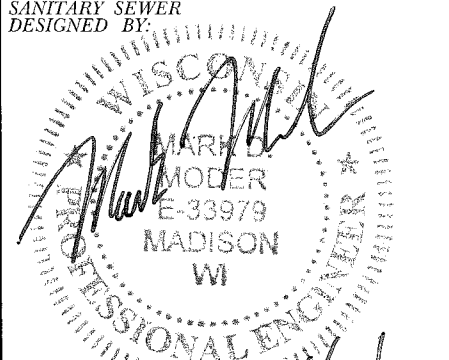
CIVIL ENGINEER

STORM SEWER  
DESIGNED BY:



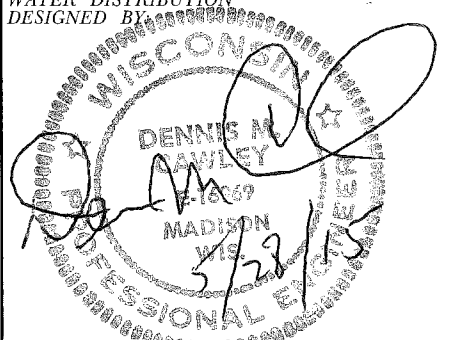
CIVIL ENGINEER

SANITARY SEWER  
DESIGNED BY:



CIVIL ENGINEER

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, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

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.

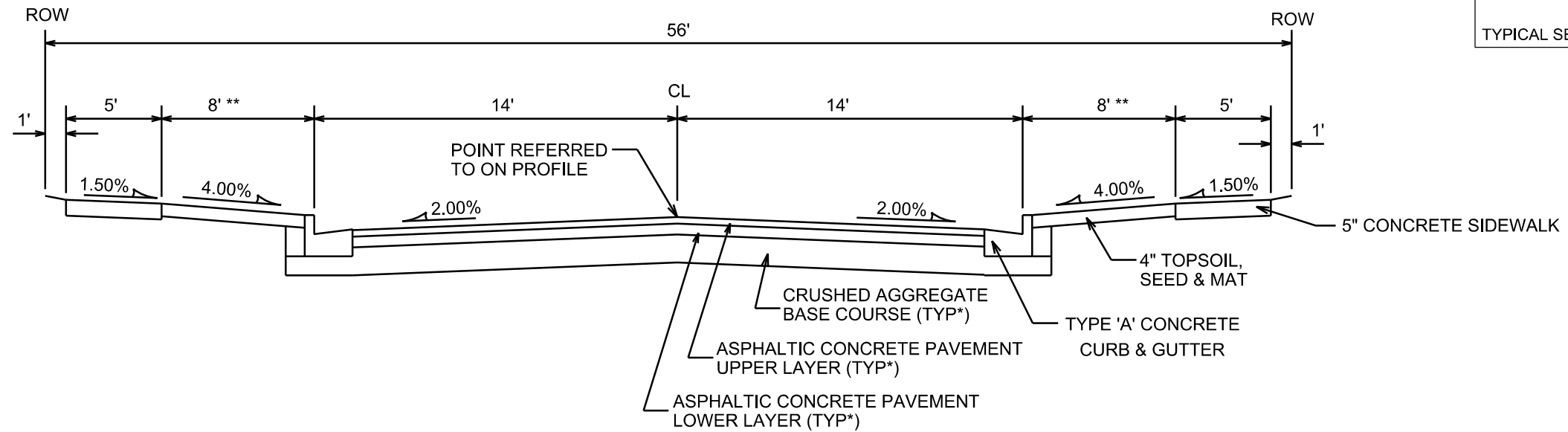
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

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

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

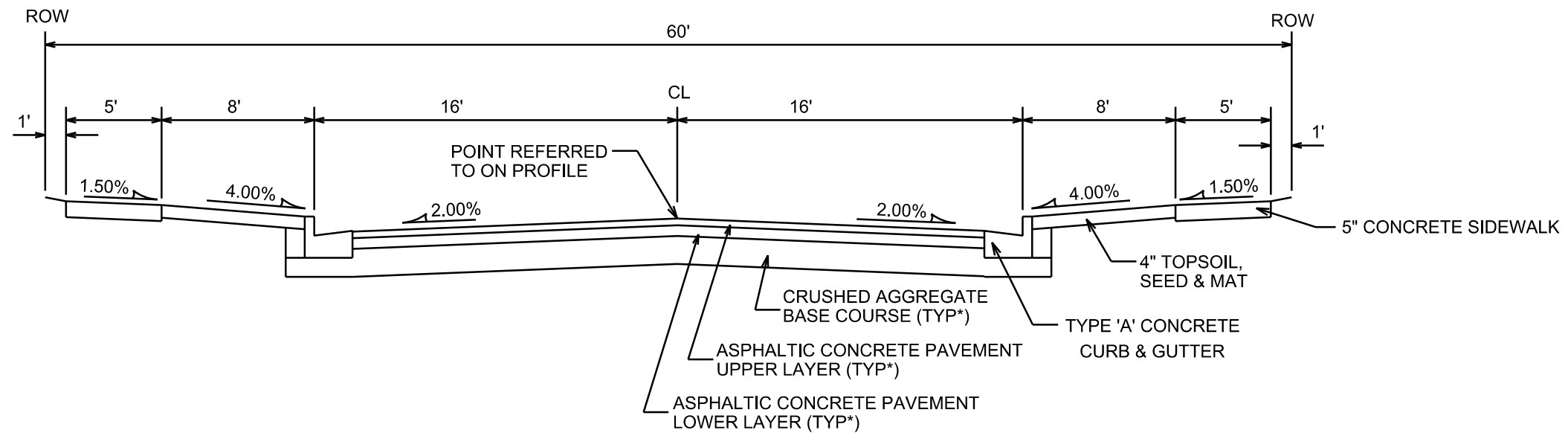
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**

ALTON DRIVE  
LYDA WOODS LANE  
STONEY OAK LANE



**TYPICAL SECTION**

CALDERA STREET

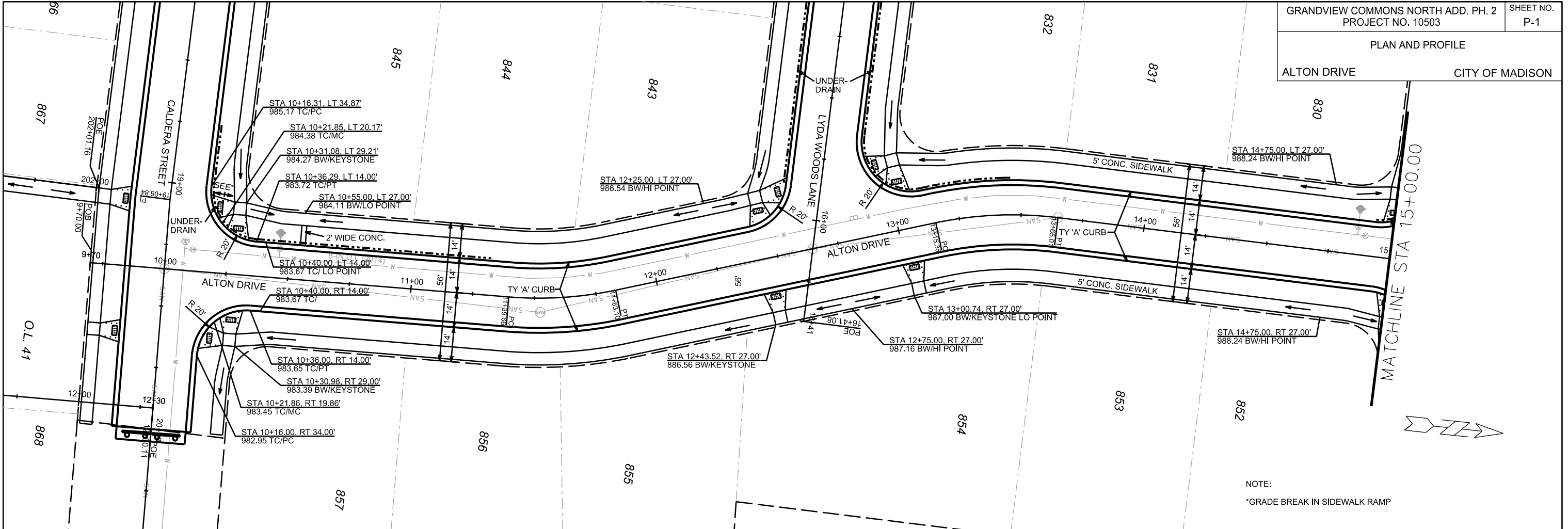
NOTES:

\* ALTON DRIVE, LYDA WOODS LANE, STONEY OAK LANE AND CALDERA STREET TO BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

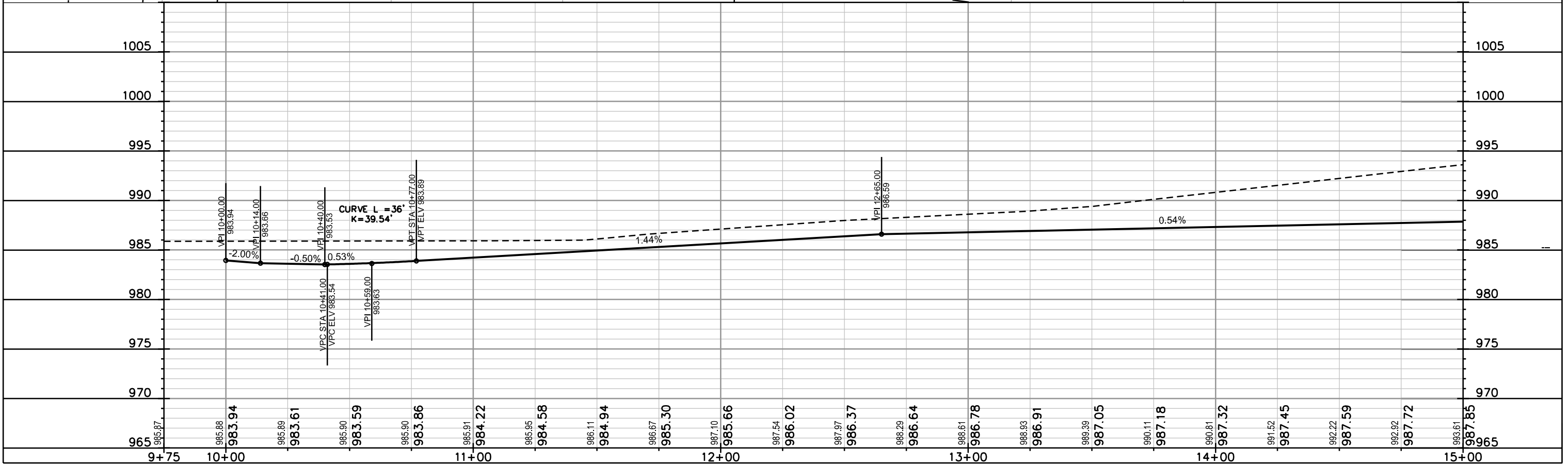
\*\* TERRACE WIDTH VARIES ON ALTON DRIVE FROM STA 16+85 TO STA 18+16. SEE SHEET P-2

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER TYPE	LOWER LAYER THICKNESS	UPPER LAYER TYPE	UPPER LAYER 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"



NOTE:  
\*GRADE BREAK IN SIDEWALK RAMP



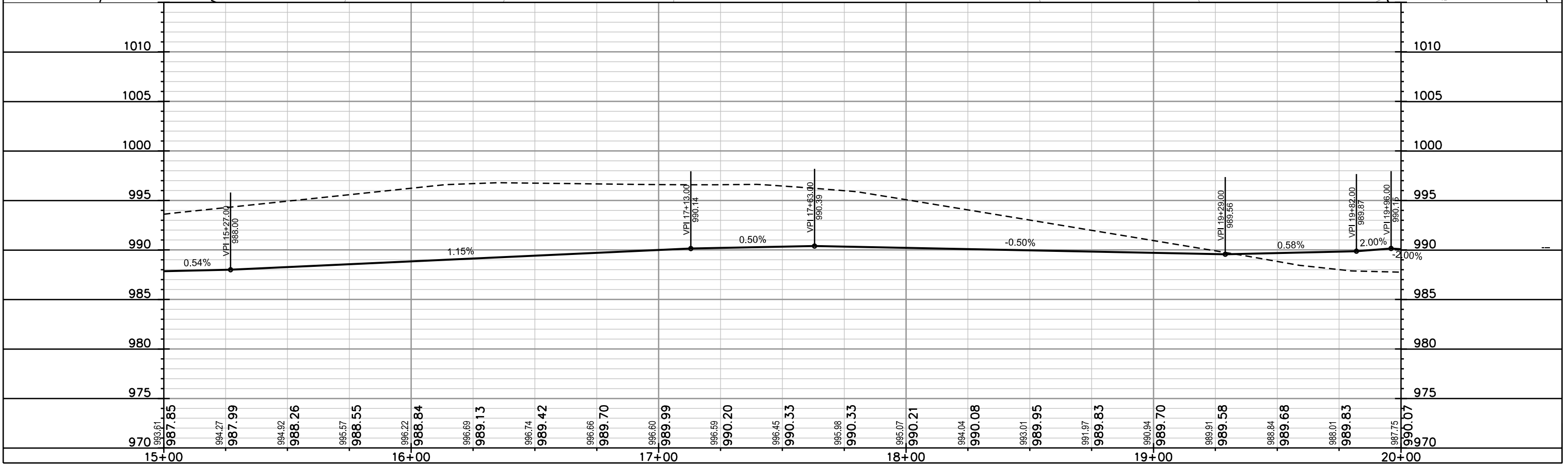
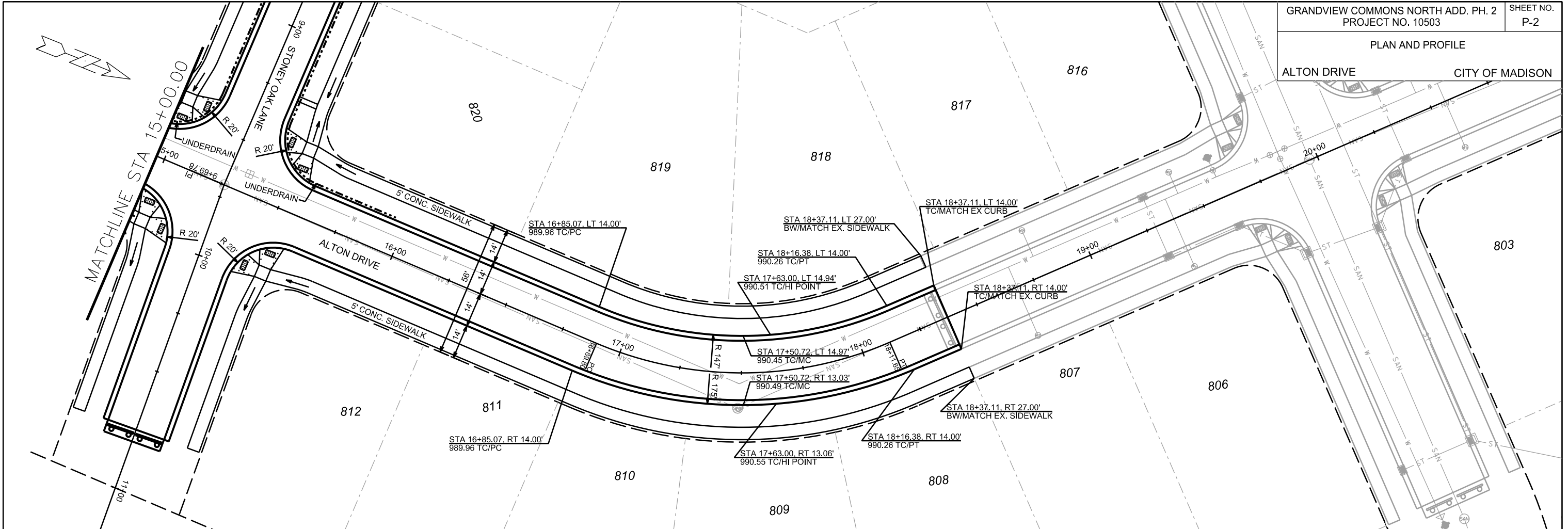
PLOT SCALE: \_\_\_\_\_

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

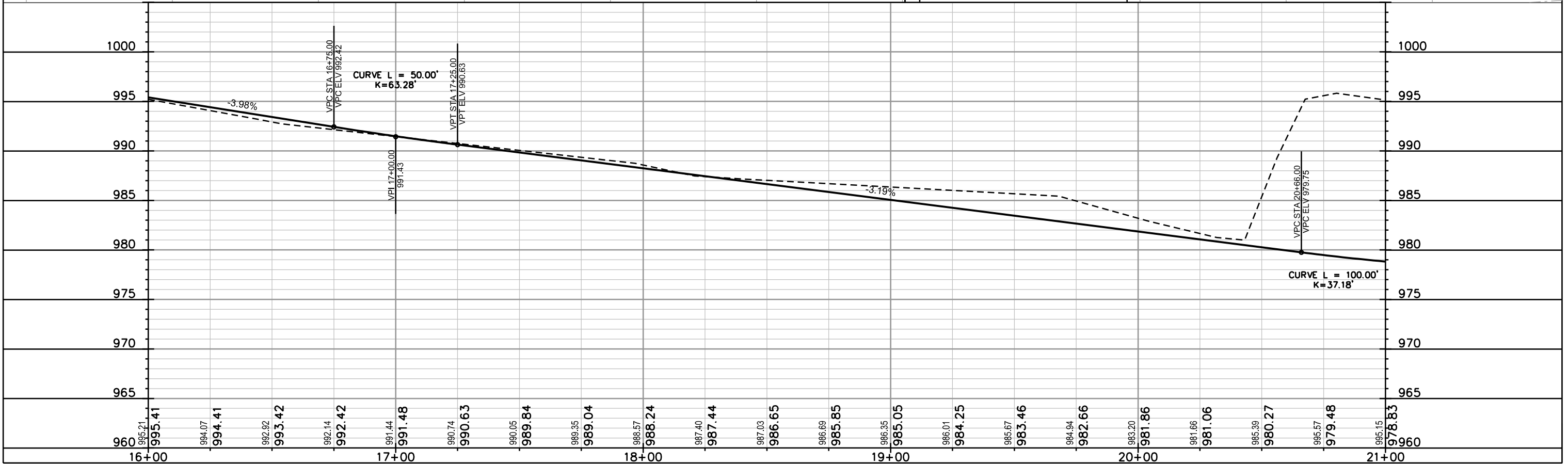
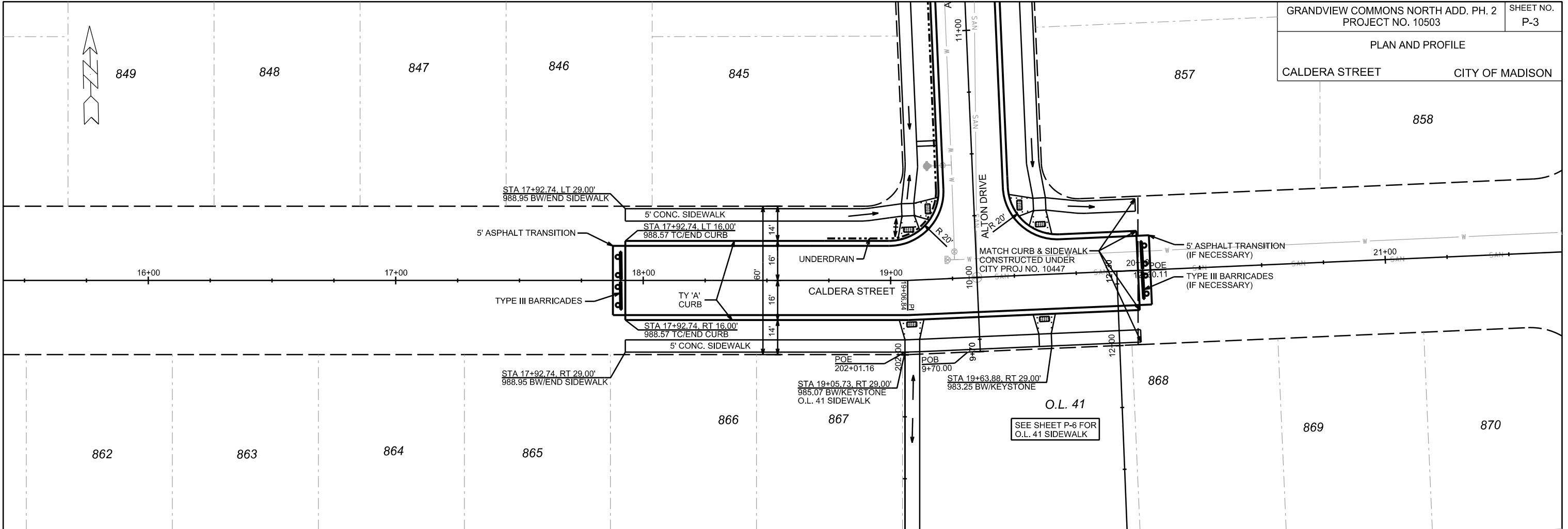
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE  
ALTON DRIVE CITY OF MADISON



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

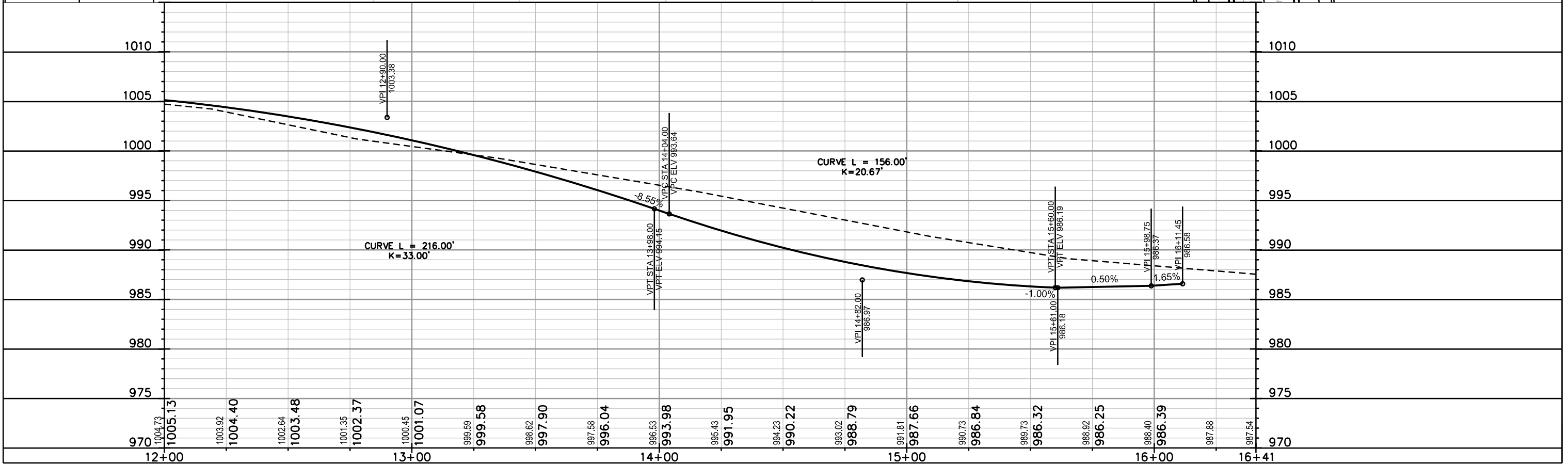
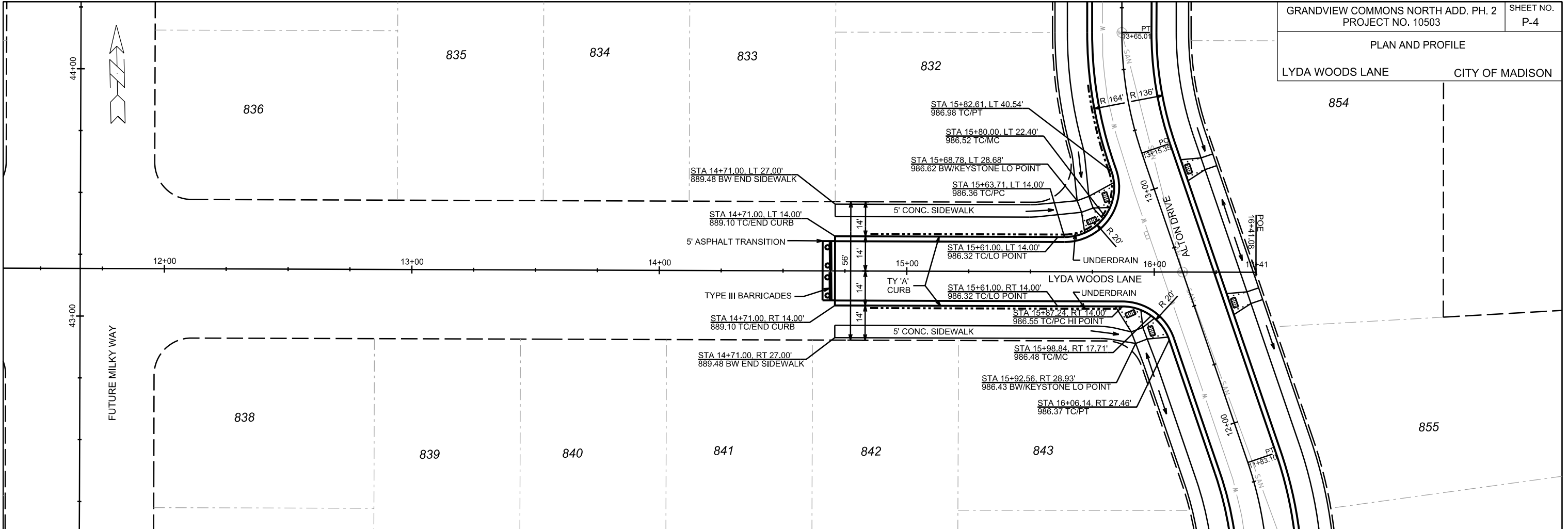


PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

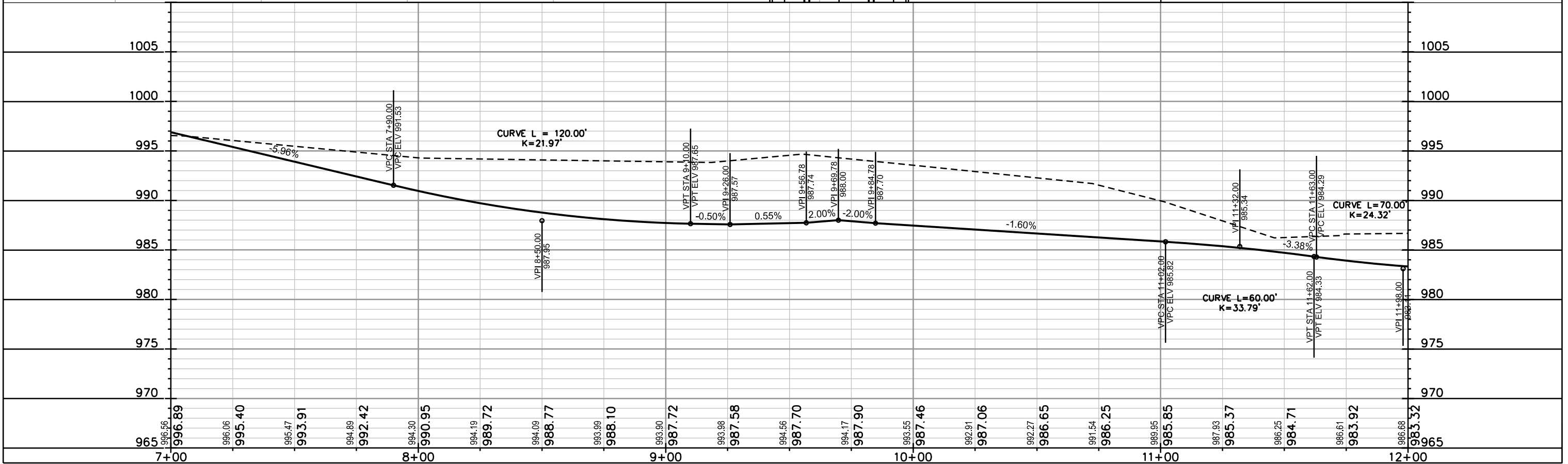
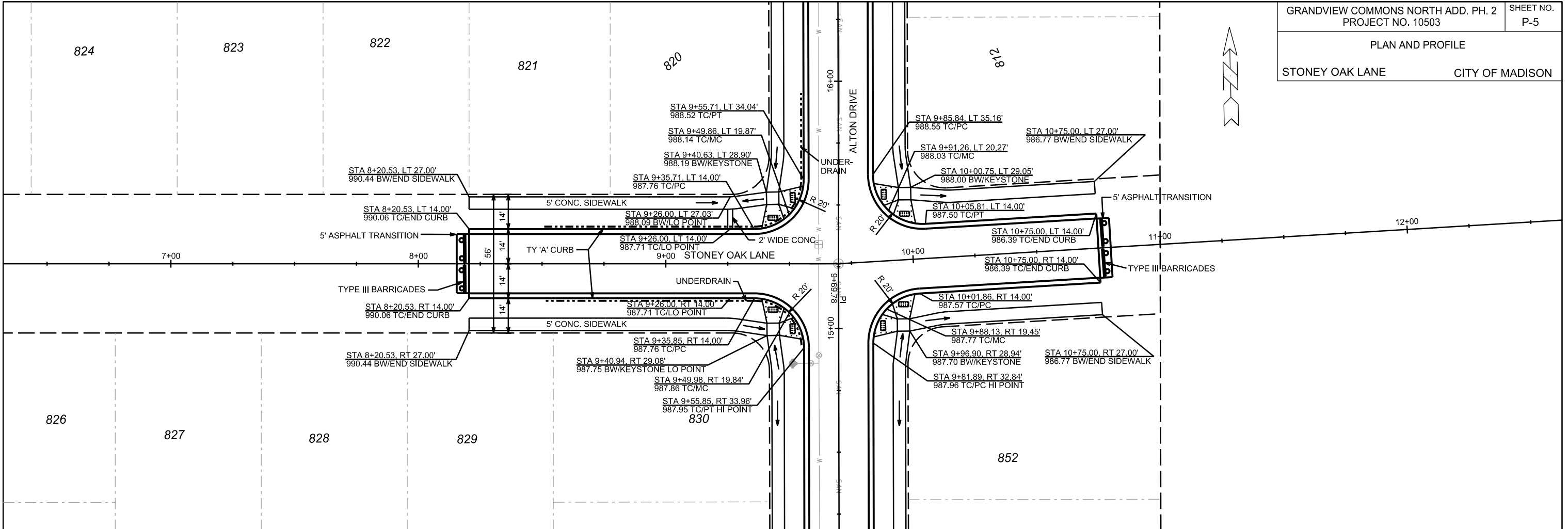


PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

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

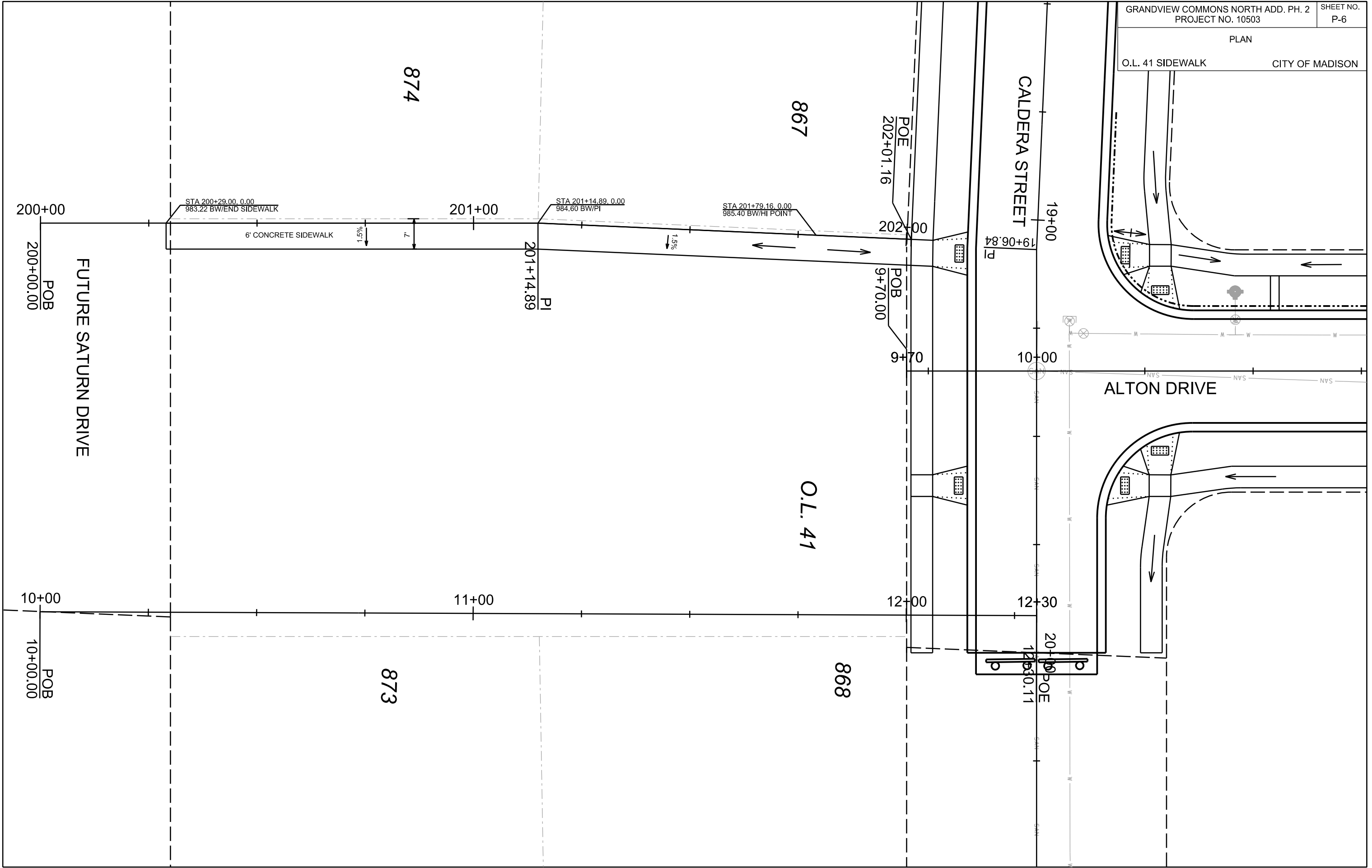
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN

O.L. 41 SIDEWALK CITY OF MADISON



PLOT SCALE:

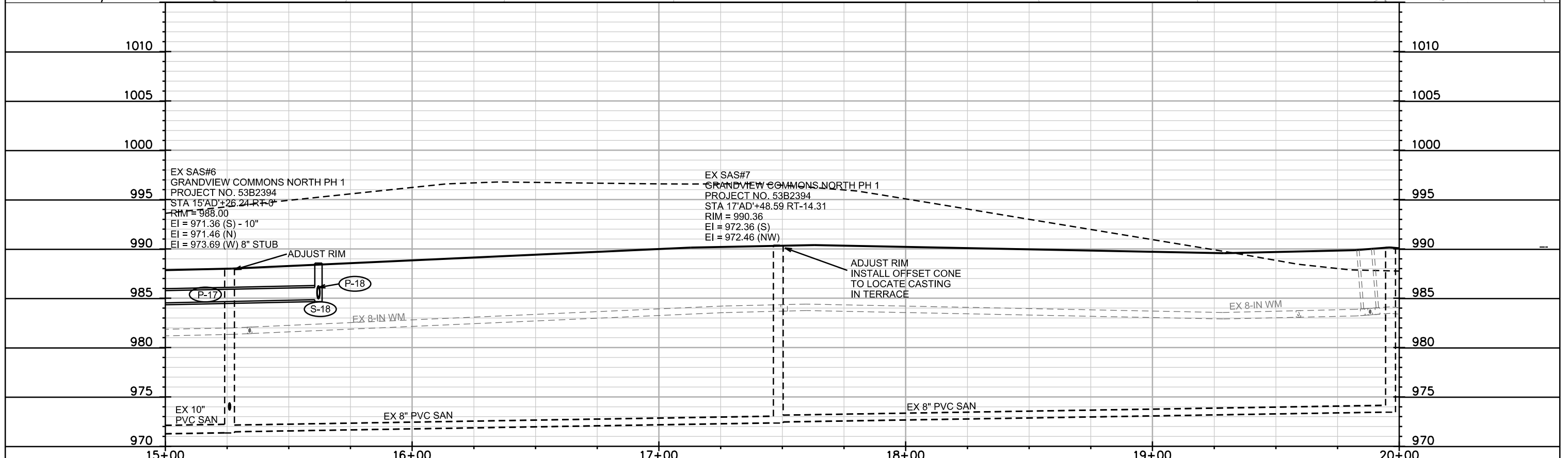
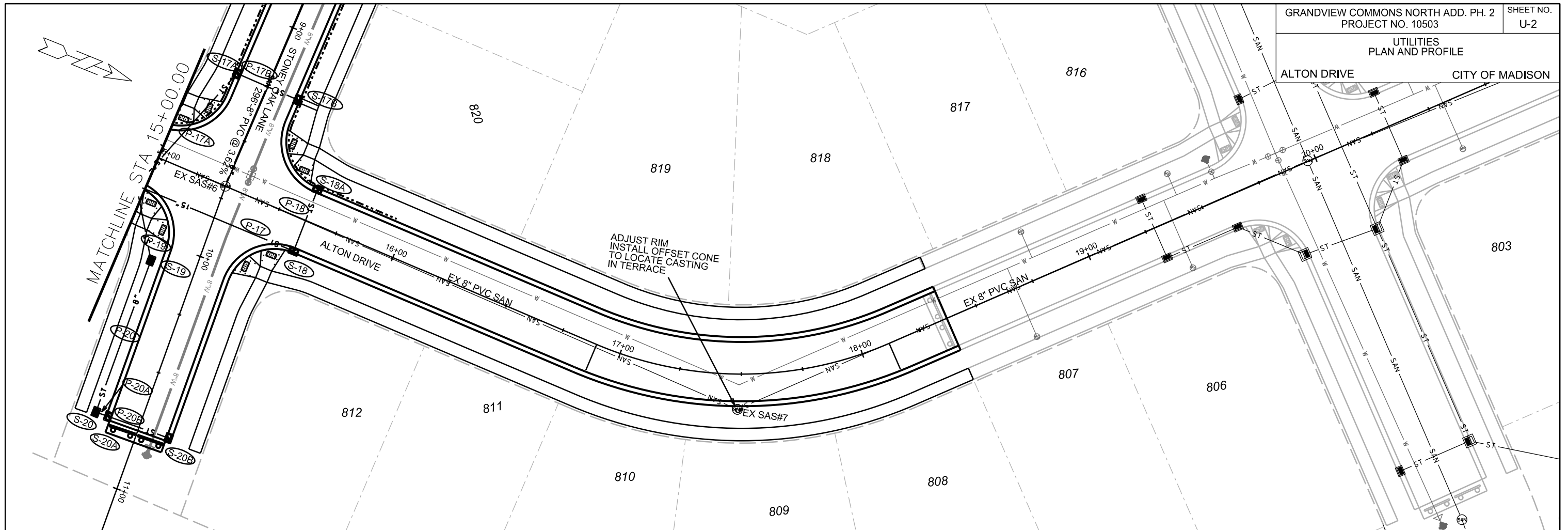
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



UTILITIES  
PLAN AND PROFILE



EX SAS#6  
GRANDVIEW COMMONS NORTH PH 1  
PROJECT NO. 53B2394  
STA 15+AD+26.24 RT-0'  
RIM = 988.00  
EI = 971.36 (S) - 10"  
EI = 971.46 (N)  
EI = 973.69 (W) 8" STUB

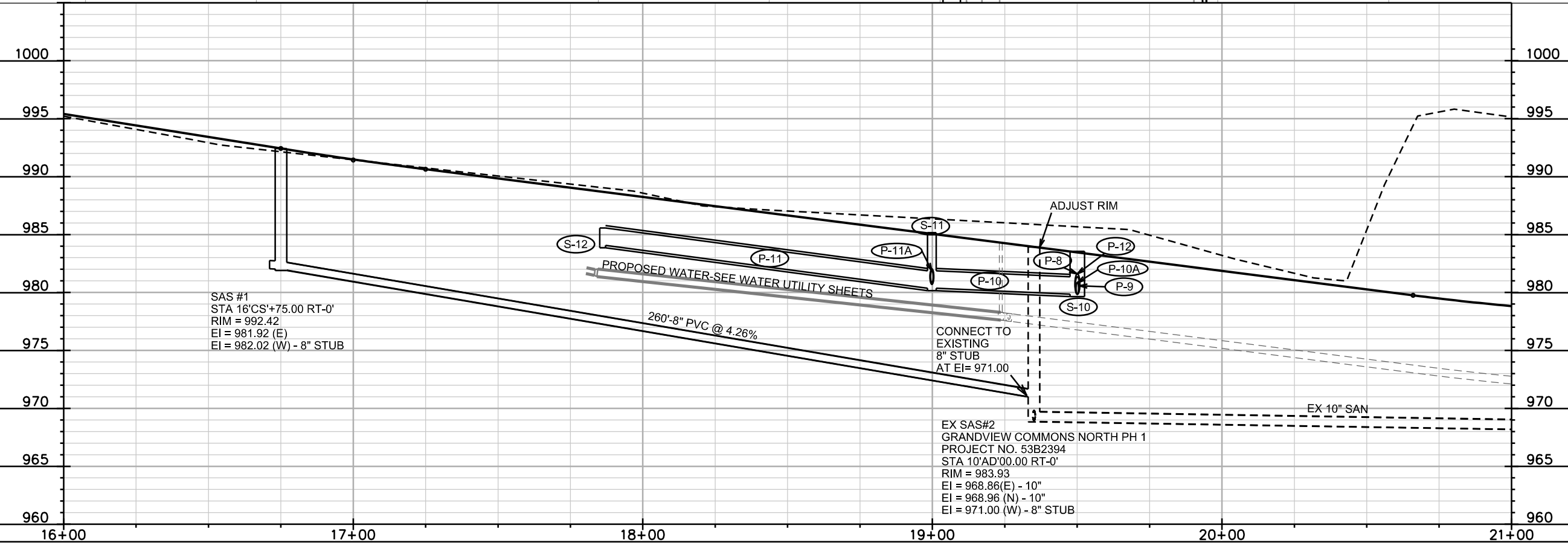
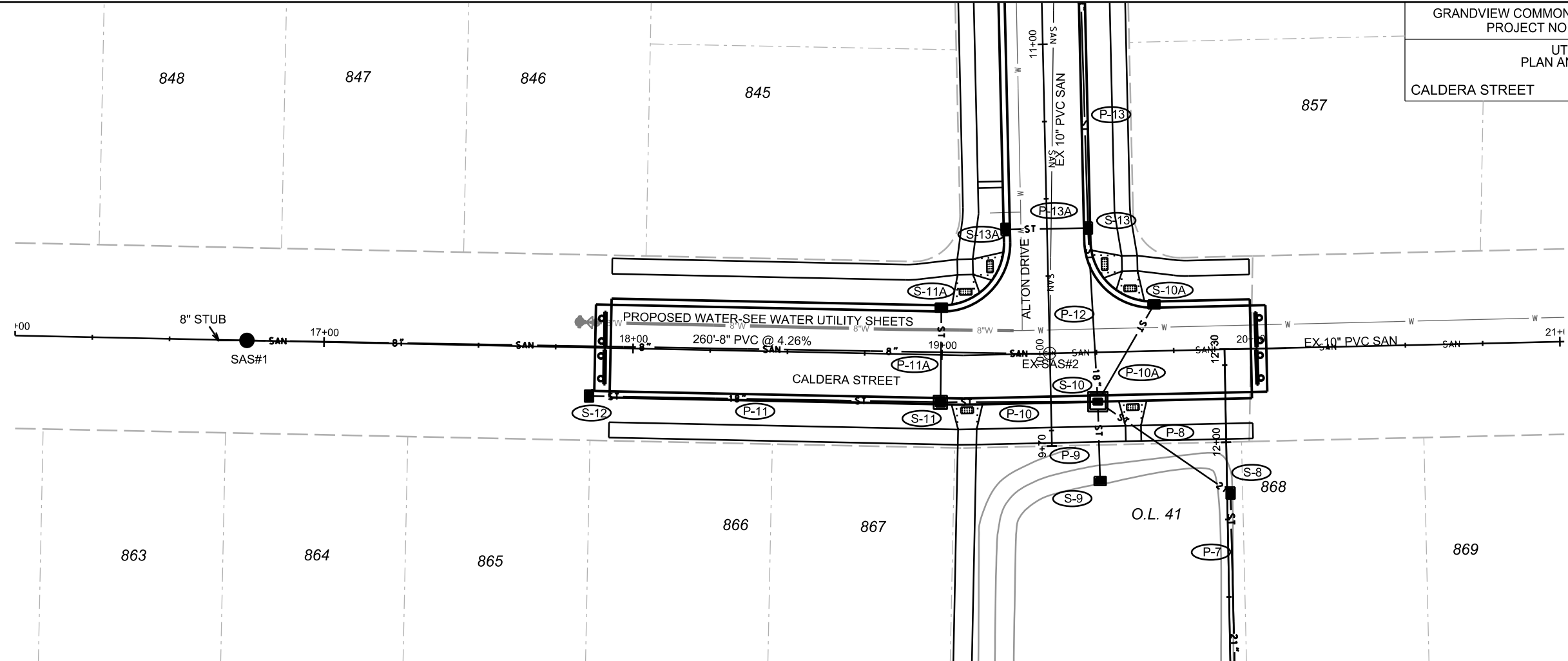
EX SAS#7  
GRANDVIEW COMMONS NORTH PH 1  
PROJECT NO. 53B2394  
STA 17+AD+48.59 RT-14.31  
RIM = 990.36  
EI = 972.36 (S)  
EI = 972.46 (NW)

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

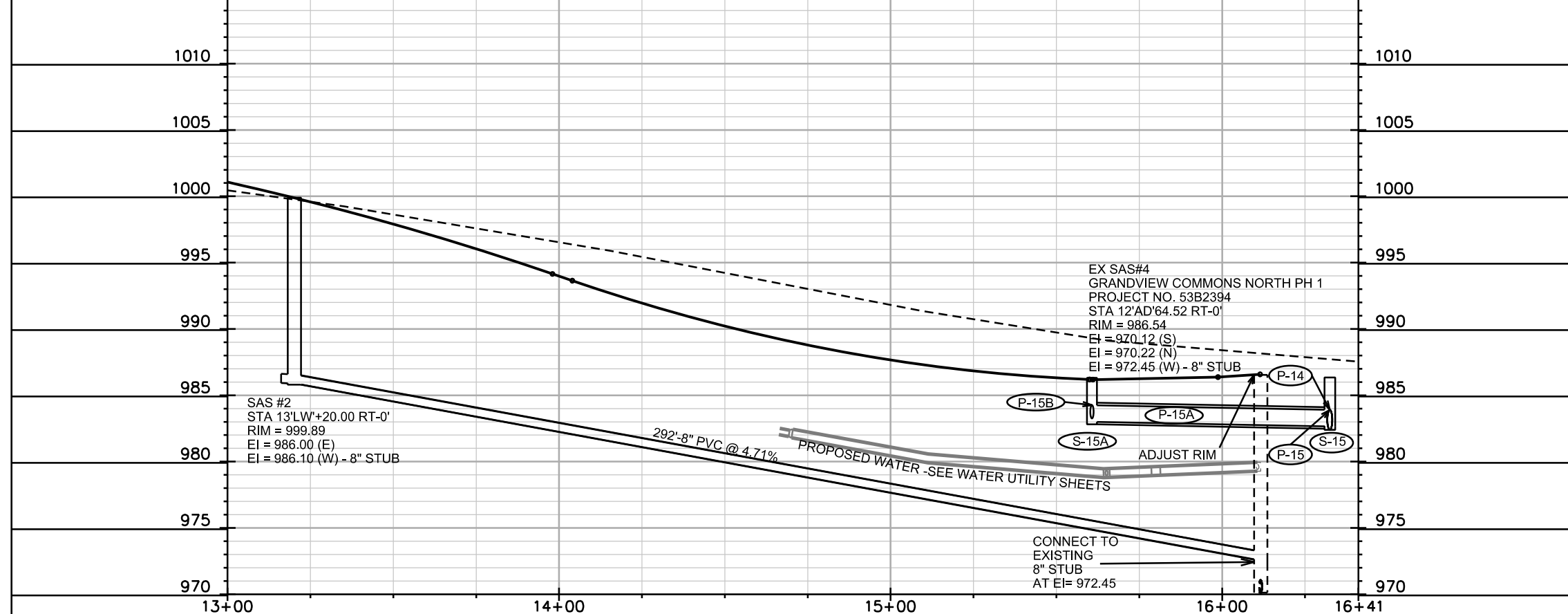
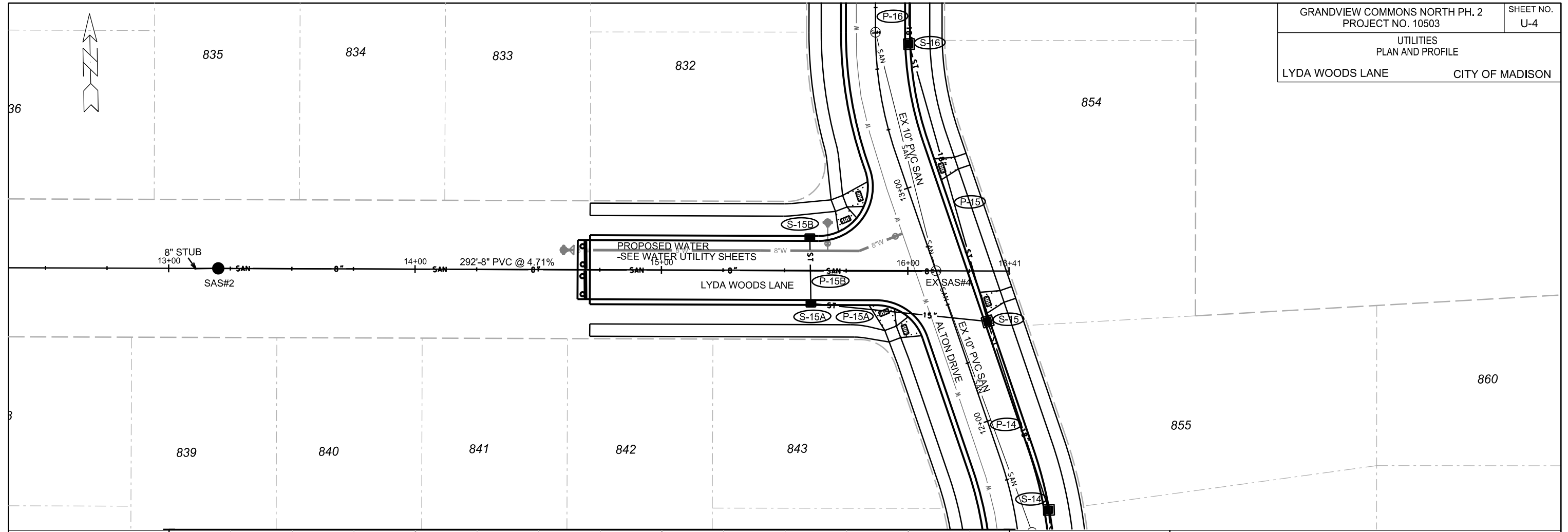


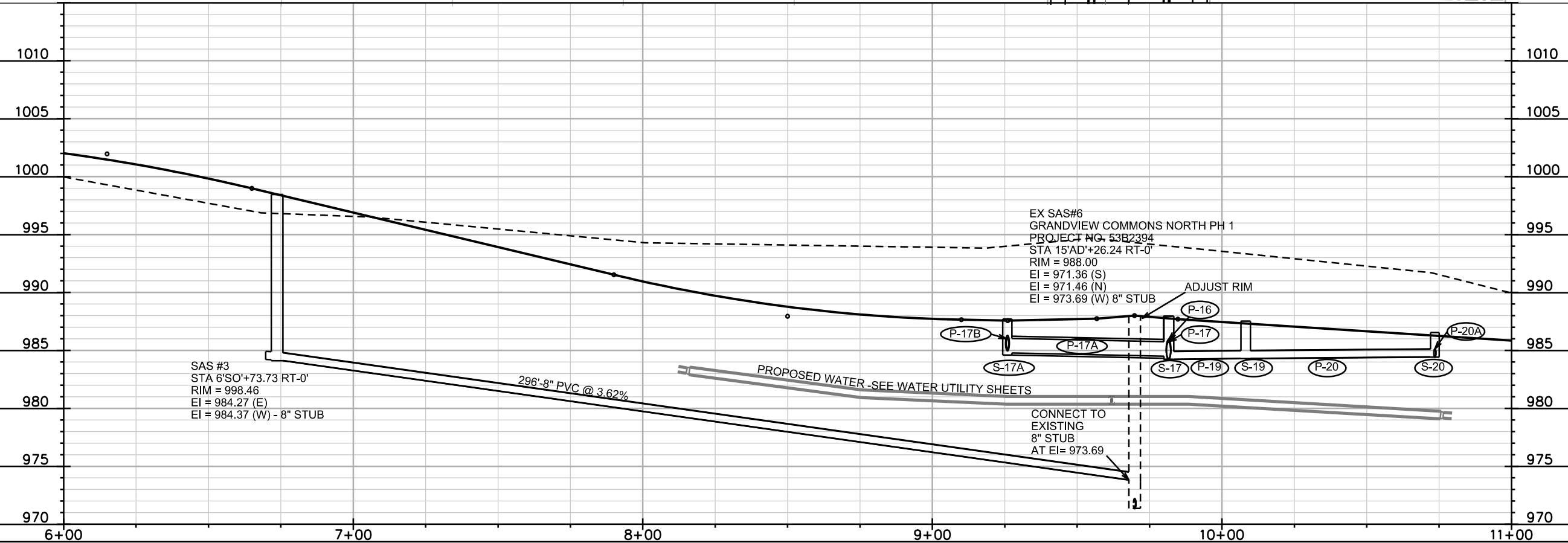
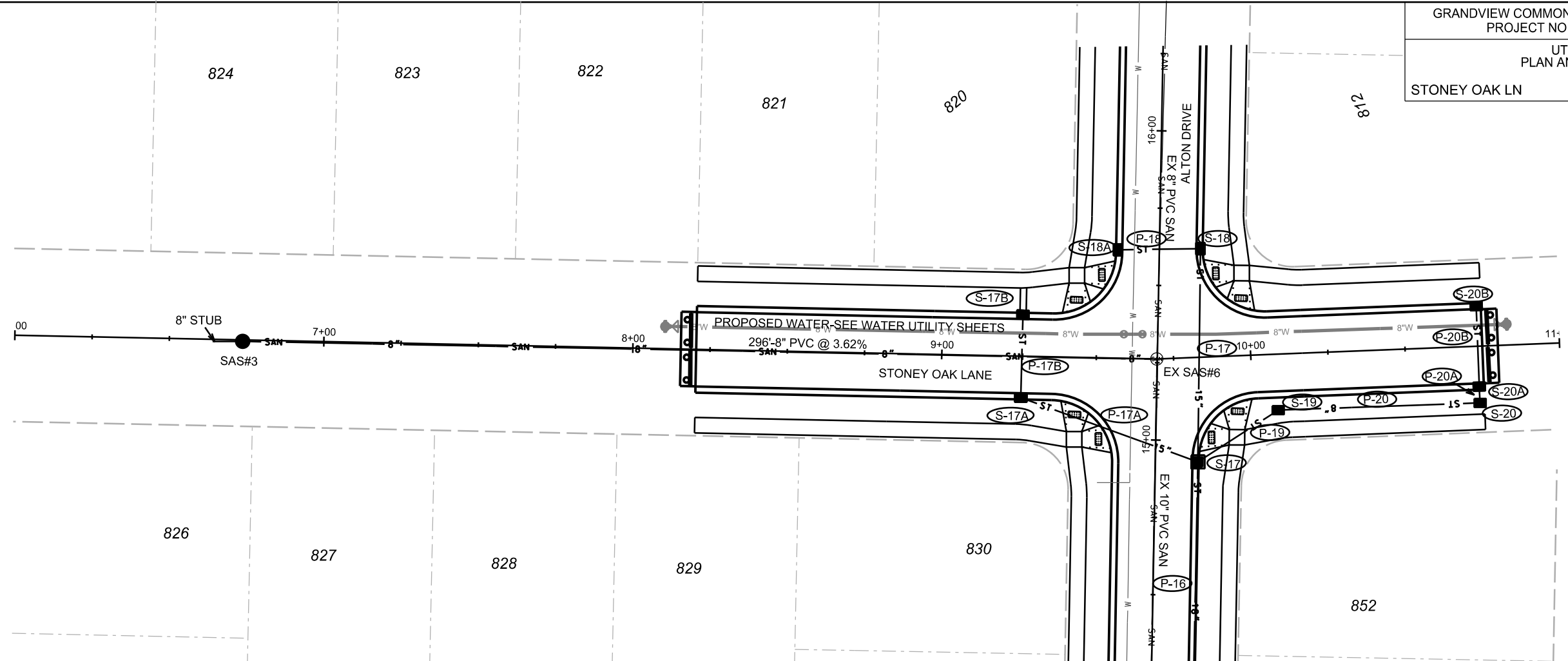
PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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

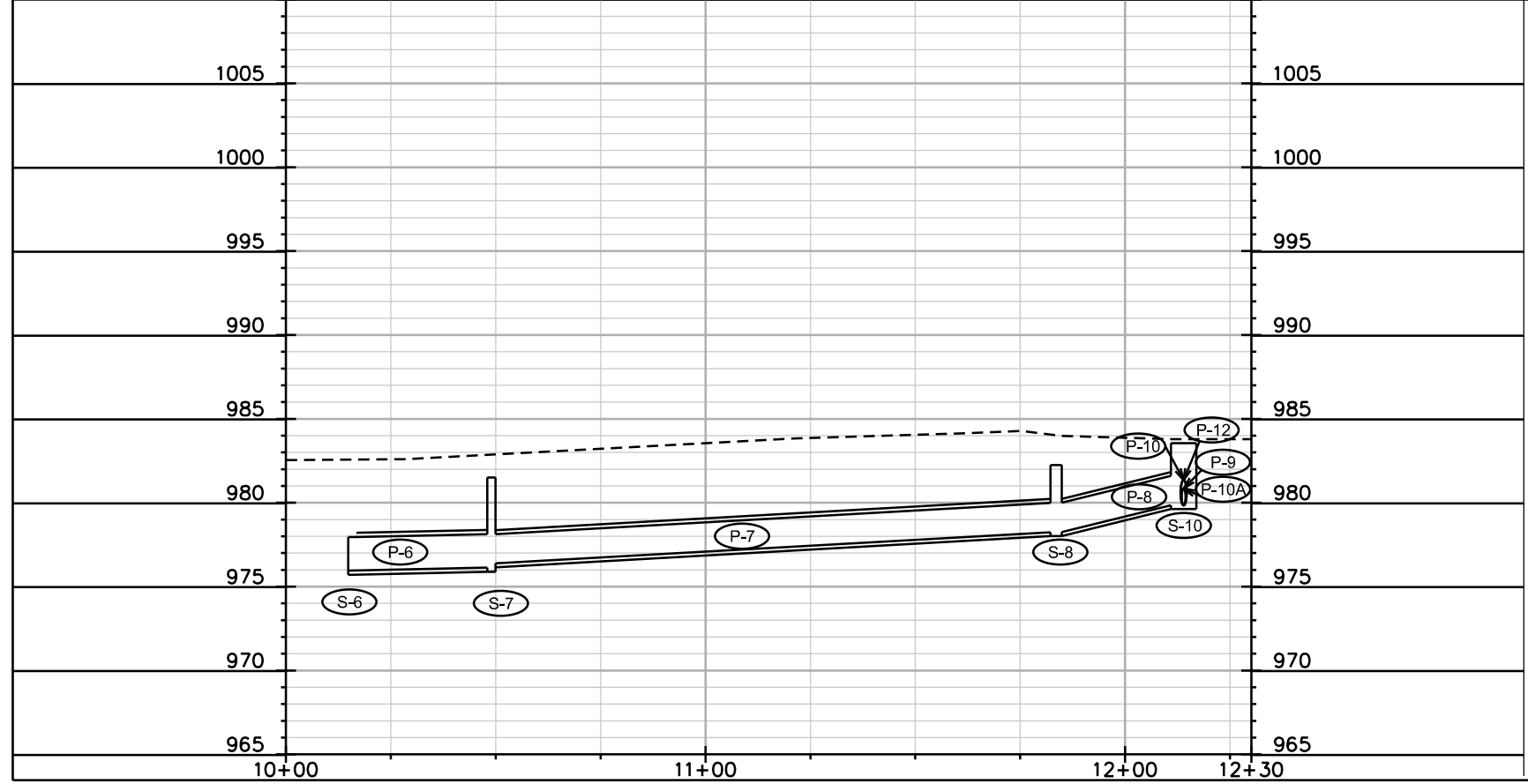
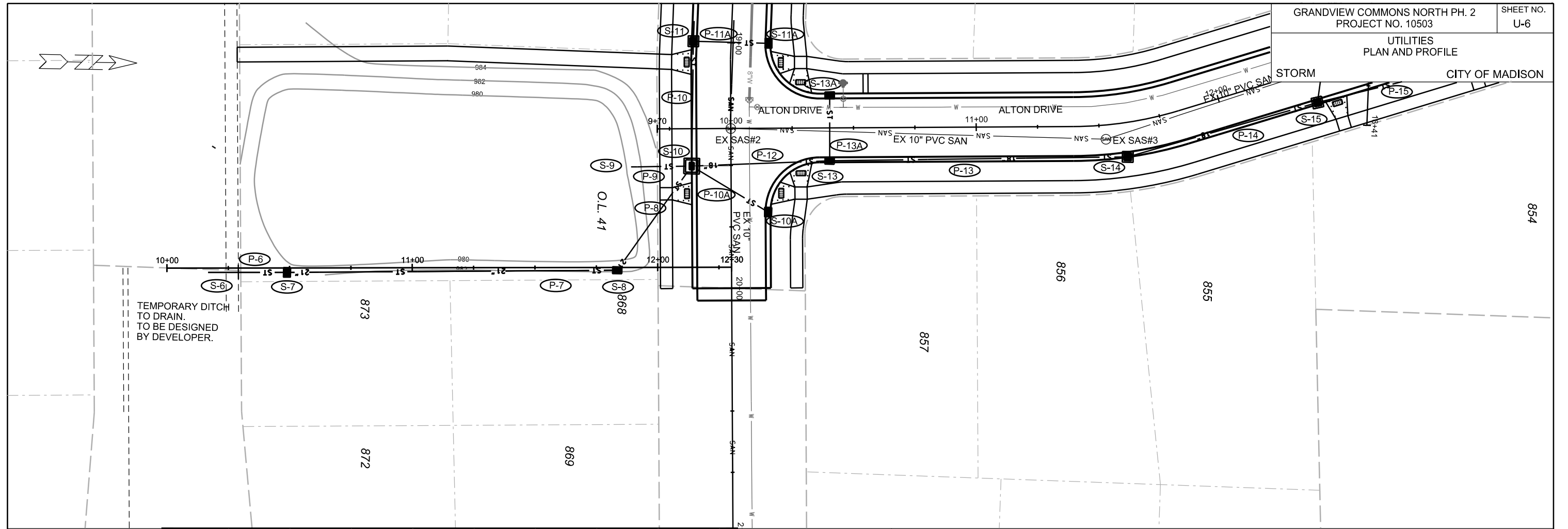
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES  
PLAN AND PROFILE

CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SCHEDULE

## ALIGNMENT CODES:

"CS"=CALDERA DRIVE  
 "LW"=LYDA WOODS LANE  
 "SO"=STONE OAK LANE

GRANDVIEW COMMONS NORTH PH. 2  
 PROJECT NO. 10503

SHEET NO.  
 U-7

SANITARY SEWER SCHEDULE CITY OF MADISON

### PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	16'CS'+75.00	CL	992.42	981.92	10.50	-
SAS#2	13'LW'+20.00	CL	999.89	986.00	13.89	-
SAS#3	6'SO'+73.73	CL	998.46	984.27	14.19	-

### PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX SAS#2	SAS#1	971.00	981.92	260	4.26%	8"	SDR-35	CONNECT TO EX 8" STUB
EX SAS#4	SAS#2	972.45	986.00	292	4.71%	8"	SDR-35	CONNECT TO EX 8" STUB
EX SAS#6	SAS#3	973.69	984.27	296	3.62%	8"	SDR-35	CONNECT TO EX 8" STUB

PLOT SCALE: 1"=10'

PLOT NAME: SANITARY

REV. DATE: 05/27/2015



# STORM SEWER SCHEDULE

## ALIGNMENT CODES:

'AD' = ALTON DRIVE  
 'LW' = LYDA WOODS LANE  
 'CS' = CALDERA STREET  
 'SO' = STONEY OAK LANE  
 'SE' = STORM EASEMENT

\* REVISED 9/26/16 EEA

GRANDVIEW COMMONS NORTH PHASE 2	SHEET NO.
PROJECT NO. 10503	U-8
STORM SEWER SCHEDULE	
CITY OF MADISON	

## STRUCTURES

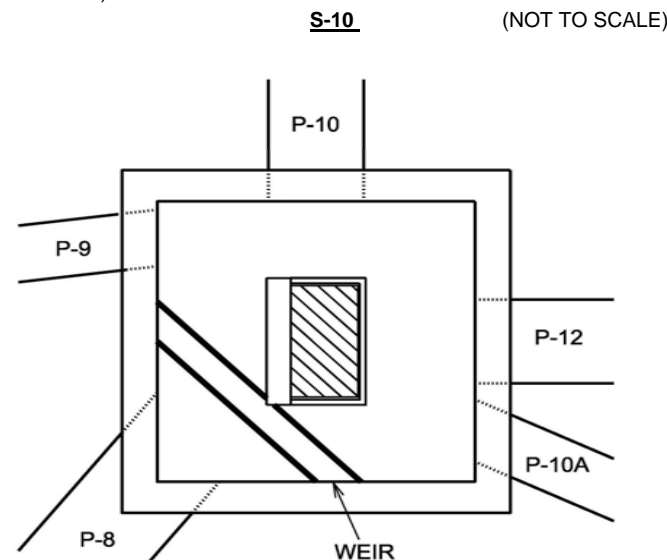
STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-6	10'SE'+16.82	RT-1.78	PIPE END	-	975.96	-	-
S-7	10'SE'+48.96	RT-1.80	H INLET	981.50	976.13	5.37	W/ R-1878-B7L
S-8	11'SE'+83.56	RT-1.11	H INLET	982.25	978.24	4.01	W/ R-1878-B7L
* S-9	19'CS'+50.00	RT-41.66	PIPE END	-	<b>979.72</b>	-	-
S-10	19'CS'+50.00	RT-15.50	5X5 SAS	983.55	979.85	3.70	FP; W/ R-3067-7004-V; SEE NOTE (1)
S-10A	19'CS'+68.89	LT-15.50	H INLET	982.95	980.03	2.92	FP; W/ R-3067-7004-V
S-11	18'CS'+99.85	RT-15.50	3X3 SAS	985.16	980.36	4.80	W/ R-3067-7004-V
S-11A	18'CS'+99.31	LT-15.50	H INLET	985.17	981.57	3.60	W/ R-3067-7004-V
S-12	17'CS'+86.11	RT-15.50	PIPE PLUG	-	984.06	-	-
S-13	10'AD'+40.00	RT-13.50	3X3 SAS	983.67	980.13	3.54	FP; W/ R-3067-7004-V
S-13A	10'AD'+40.00	LT-13.50	H INLET	983.67	980.77	2.90	FP; LP; W/ R-3067-7004-VB
S-14	11'AD'+59.79	RT-13.50	3X3 SAS	985.22	981.60	3.62	FP; W/ R-3067-7004-V
S-15	12'AD'+38.30	RT-13.50	3X3 SAS	986.35	982.40	3.95	FP; W/ R-3067-7004-V
S-15A	15'LW'+61.00	RT-13.50	H INLET	986.32	983.01	3.31	FP; W/ R-3067-7004-V
S-15B	15'LW'+61.00	LT-13.50	H INLET	986.32	983.40	2.92	FP; W/ R-3067-7004-V
S-16	13'AD'+59.67	RT-13.50	3X3 SAS	987.24	983.57	3.67	FP; W/ R-3067-7004-V
S-17	14'AD'+94.16	RT-13.50	3X3 SAS	987.96	984.24	3.72	FP; W/ R-3067-7004-V
S-17A	9'SO'+26.00	RT-13.50	H INLET	987.71	984.80	2.91	FP; LP; W/ R-3067-7004-VB
S-17B	9'SO'+26.00	LT-13.50	H INLET	987.71	985.19	2.52	FP; LP; W/ R-3067-7004-VB
S-18	15'AD'+62.27	RT-13.50	H INLET	988.55	984.84	3.71	W/ R-3067-7004-V
S-18A	15'AD'+60.31	LT-13.50	H INLET	988.52	985.23	3.29	W/ R-3067-7004-V
S-19	10'SO'+08.19	RT-18.09	H INLET	987.53	984.31	3.22	W/ R-1878-B7L
S-20	10'SO'+73.55	RT-18.31	H INLET	986.54	984.44	2.10	W/ R-1878-B7L
S-20A	10'SO'+73.51	RT-13.50	H INLET	986.39	984.45	1.94	W/ R-3067-7004-V
S-20B	10'SO'+73.51	LT-13.50	H INLET	986.39	984.48	1.91	W/ R-3067-7004-V

## PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-6	S-6	S-7	33	975.96	976.13	0.52%	24"	RCP	-
P-7	S-7	S-8	135	976.38	978.24	1.38%	21"	RCP	-
P-8	S-8	S-10	52	978.24	979.85	3.10%	21"	RCP	-
* P-9	S-9	S-10	26	<b>979.72</b>	979.85	<b>0.50%</b>	12"	PVC	NCM
P-10	S-10	S-11	51	979.85	980.36	1.00%	18"	RCP	NCM
P-10A	S-10	S-10A	36	979.85	980.03	0.50%	12"	RCP	NCM
P-11	S-11	S-12	114	980.36	984.06	3.25%	18"	RCP	-
P-11A	S-11	S-11A	31	980.86	981.57	2.29%	12"	RCP	-
P-12	S-10	S-13	56	979.85	980.13	0.50%	18"	RCP	NCM
P-13	S-13	S-14	122	980.13	981.60	1.20%	18"	RCP	-
P-13A	S-13	S-13A	27	980.63	980.77	0.52%	12"	RCP	-
P-14	S-14	S-15	80	981.60	982.40	1.00%	18"	RCP	-
P-15	S-15	S-16	117	982.40	983.57	1.00%	18"	RCP	-
P-15A	S-15	S-15A	72	982.65	983.01	0.50%	15"	RCP	-
P-15B	S-15A	S-15B	27	983.26	983.40	0.52%	12"	RCP	-
P-16	S-16	S-17	133	983.57	984.24	0.50%	18"	RCP	-
P-17	S-17	S-18	69	984.49	984.84	0.51%	15"	RCP	-
P-17A	S-17	S-17A	61	984.49	984.80	0.51%	15"	RCP	-
P-17B	S-17A	S-17B	27	985.05	985.19	0.52%	12"	RCP	-
P-18	S-18	S-18A	27	985.09	985.23	0.52%	12"	RCP	-
P-19	S-17	S-19	31	984.24	984.31	0.23%	8"	PVC	-
P-20	S-19	S-20	65	984.31	984.44	0.20%	8"	PVC	-
P-20A	S-20	S-20A	5	984.44	984.45	0.20%	8"	PVC	-
P-20B	S-20A	S-20B	26	984.45	984.48	0.12%	8"	PVC	-

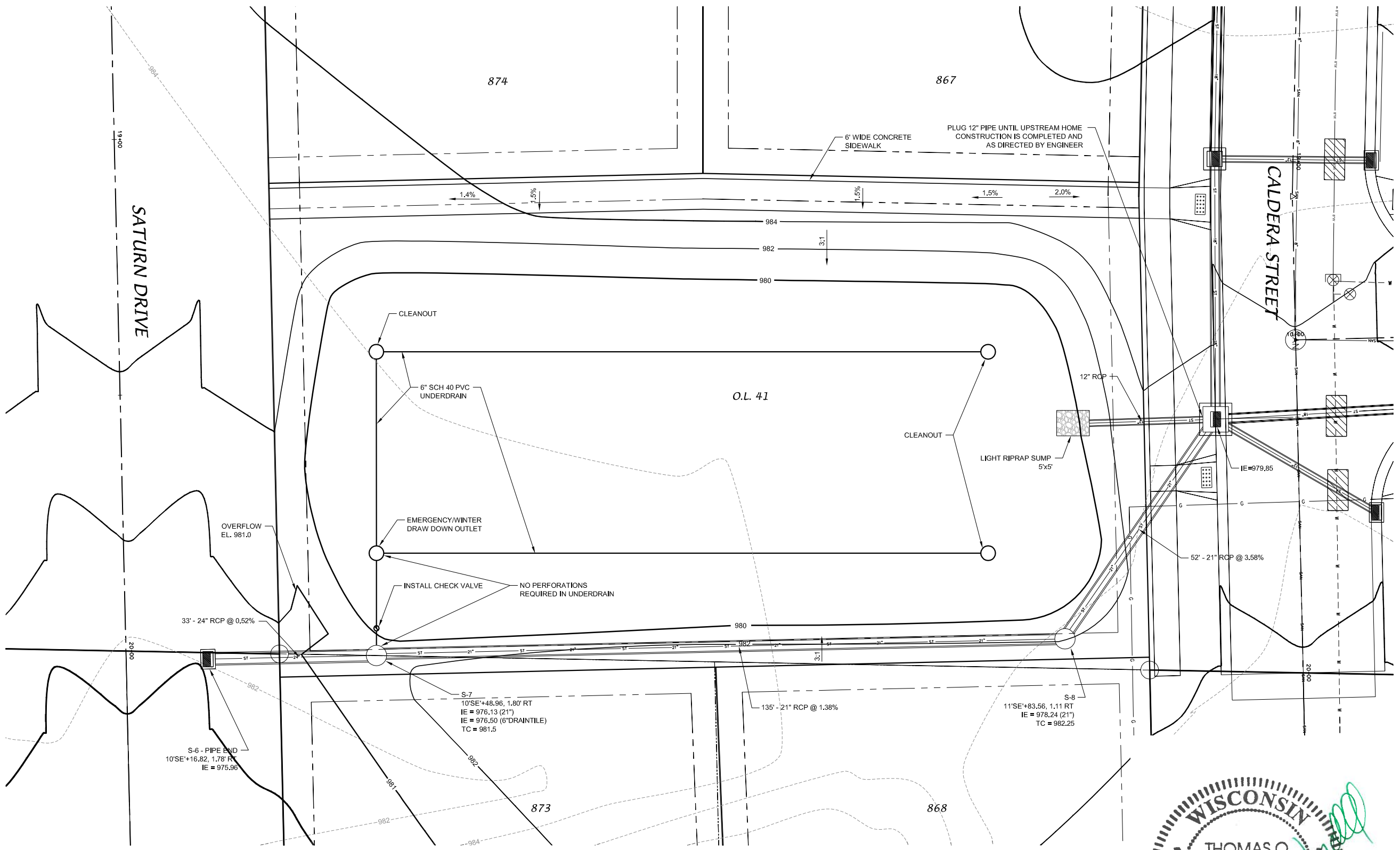
## SPECIFIC NOTES

(1) INSTALL 12 INCH HIGH WEIR WALL DIAGONALLY FROM SOUTH WALL BETWEEN P-8 & P-9 TO EAST WALL BETWEEN P-8 & P-10A.  
 WALL SHALL BE REINFORCED WITH TWO #4 BARS TIED TO WALLS AND BE 6 INCH THICK.  
 (SEE INSERT BELOW)



## 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
- 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, OR FAX SHOP DRAWINGS TO (608)264-9275.

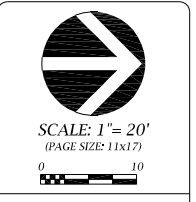
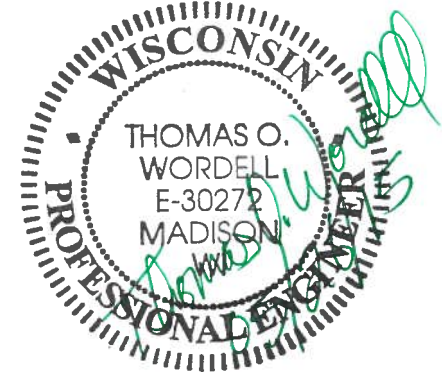


**D'ONOFRIO KOTTKE AND ASSOCIATES, INC.**  
 7530 Westward Way, Madison, WI 53717  
 Phone: 608.833.7530 • Fax: 608.833.1089  
 YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

OUTLOT 4.1 BIORETENTION BASIN

**GRANDVIEW COMMONS NORTH - PHASE 2**

CITY OF MADISON, DANE COUNTY, WISCONSIN

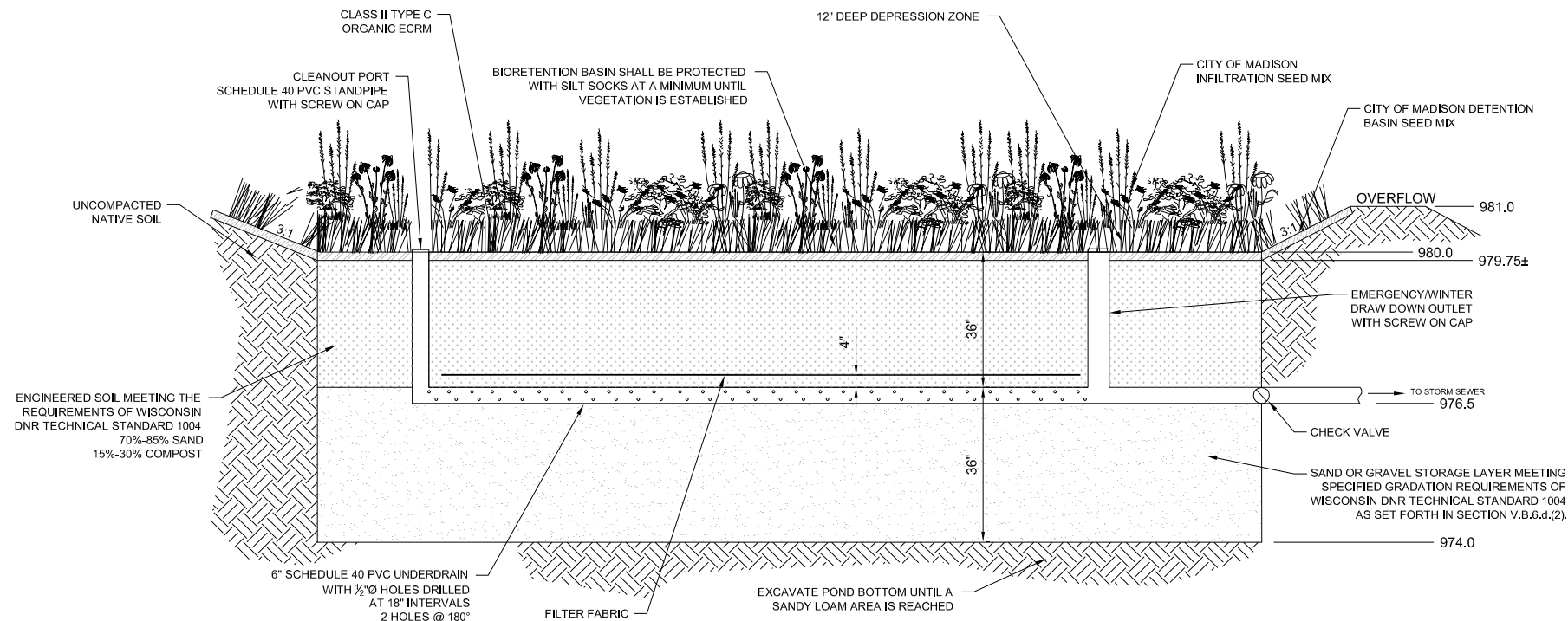


DATE: 05-21-15  
 REVISED:  
 06-02-15

DRAWN BY: JMS

FN: 14-05-156

Sheet Number:



**BIORETENTION BASIN - OUTLOT 41**  
NOT TO SCALE

**NOTES:**

DO NOT COMPACT BIORETENTION AREA DURING CONSTRUCTION.

THE CONTRACTOR IS REQUIRED TO PROVIDE QUALIFIED STAFF FOR INSPECTION AND OBSERVATION OF THE CONSTRUCTION ACTIVITIES RELATING TO ALL JOB SITE REGULATION COMPLIANCE INCLUDING THE PROTECTION, RECORDS AND CONSTRUCTION OF ALL STORMWATER MANAGEMENT FEATURES.

ALL WORK TO BE CONDUCTED IN CONFORMANCE WITH THE CITY OF MADISON STANDARDS AND WISCONSIN DNR TECHNICAL STANDARD 1004.

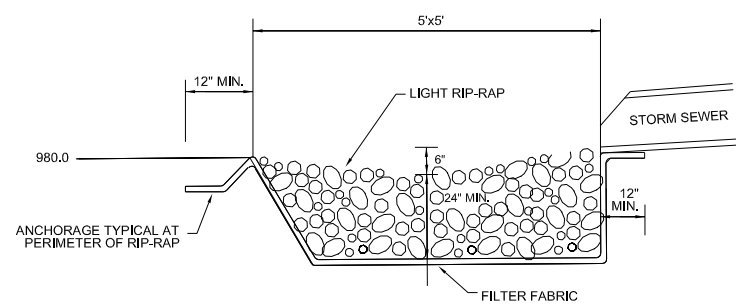
BIORETENTION DEVICE AREA SHALL BE FENCED PRIOR TO SITE CONSTRUCTION AND REMAIN UNDISTURBED AND PROTECTED FROM CONSTRUCTION AND SEDIMENT DURING THE CONSTRUCTION OF PROPOSED SITE IMPROVEMENTS. THE PROPOSED INFILTRATION BASIN SHALL NOT BE CONSTRUCTED UNTIL THE DEVICES CONTRIBUTING WATERSHED AREA MEETS ESTABLISHED SITE AND VEGETATION REQUIREMENTS.

PVC UNDERDRAIN IN PIPE TO BE INSTALLED WITH 1 1/4" WASHED STONE.

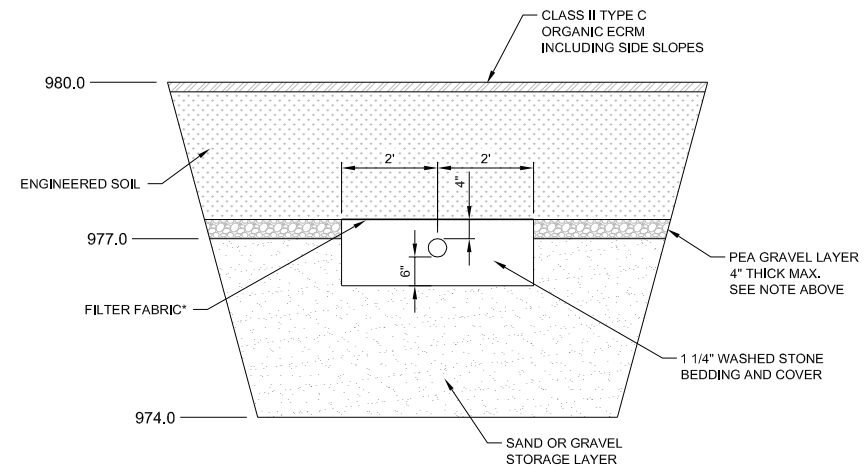
SAND AND ENGINEERED SOIL SHALL BE PLACED WITH SMALL TRACKED EQUIPMENT AND SHALL NOT BE COMPACTED.

IF STORAGE LAYER IS GRAVEL A LAYER OF PEA GRAVEL NOT EXCEEDING 4" IN THICKNESS SHALL BE INSTALLED TO SEPARATE THE ENGINEERED SOIL FROM THE STORAGE LAYER.

INFILTRATION SEED MIX AND DETENTION BASIN SEED MIX REQUIRE A COMPANION COVER CROP OF SEED OATS OR WINTER WHEAT AS SPECIFIED. PERIODIC WATERING IS REQUIRED UNTIL ESTABLISHMENT OF SEEDING HAS OCCURRED.

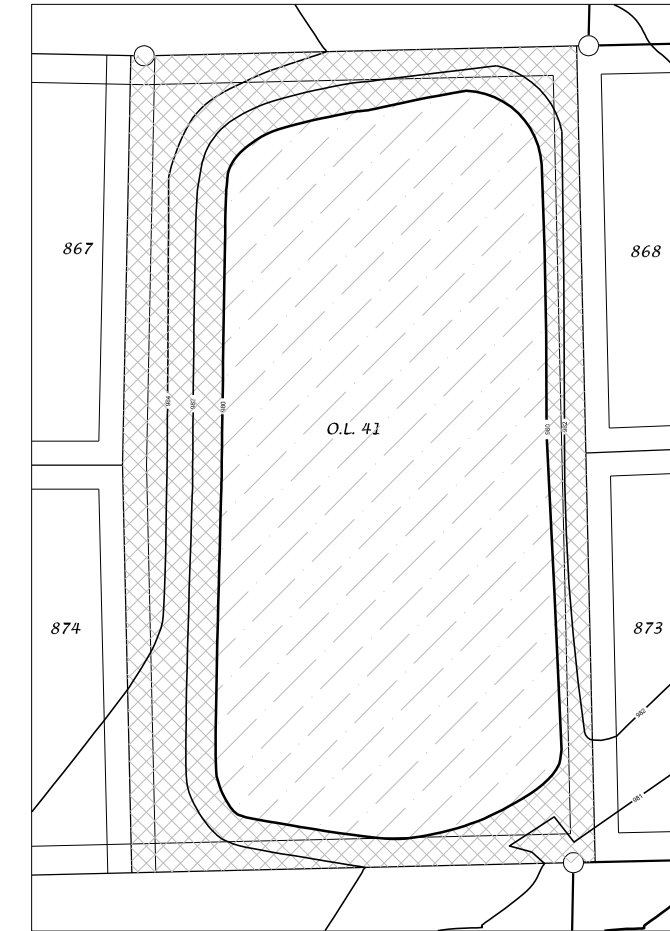


**RIPRAP**  
NOT TO SCALE



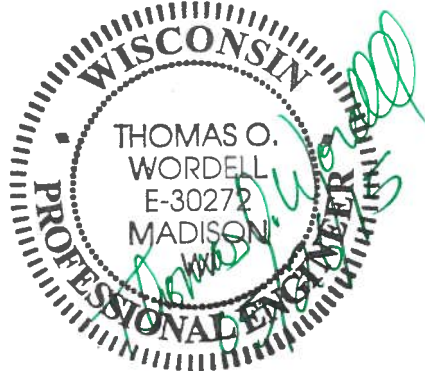
\* IF STORAGE LAYER IS GRAVEL FILTER FABRIC IS REQUIRED OVER TOP OF THE PIPE ONLY, IF STORAGE LAYER IS SAND COMPLETELY WRAP BEDDING STONE WITH FILTER FABRIC.

**UNDERDRAIN SECTION**  
NOT TO SCALE



INFILTRATION SEED MIX  
DETENTION BASIN SEED MIX

**LANDSCAPE PLAN**  
NOT TO SCALE



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OUTLOT 41 BIORETENTION BASIN DETAILS  
**GRANDVIEW COMMONS NORTH - PHASE 2**



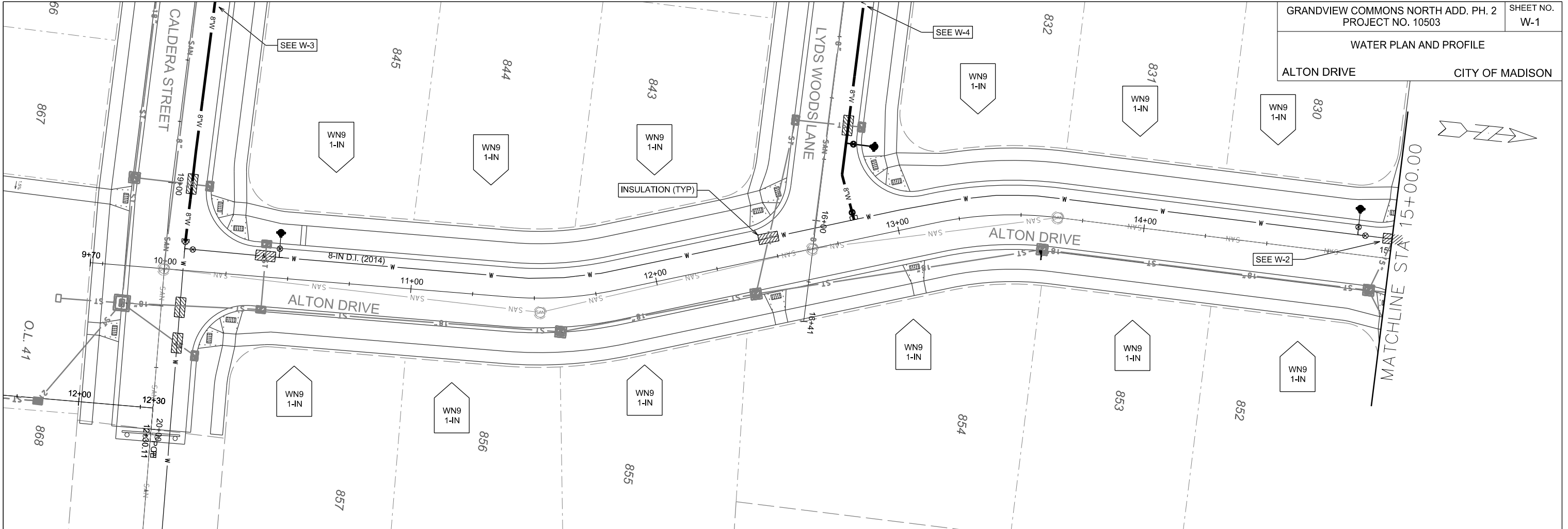
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REVISED:  
06-02-15

DRAWN BY: JMS

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Sheet Number:



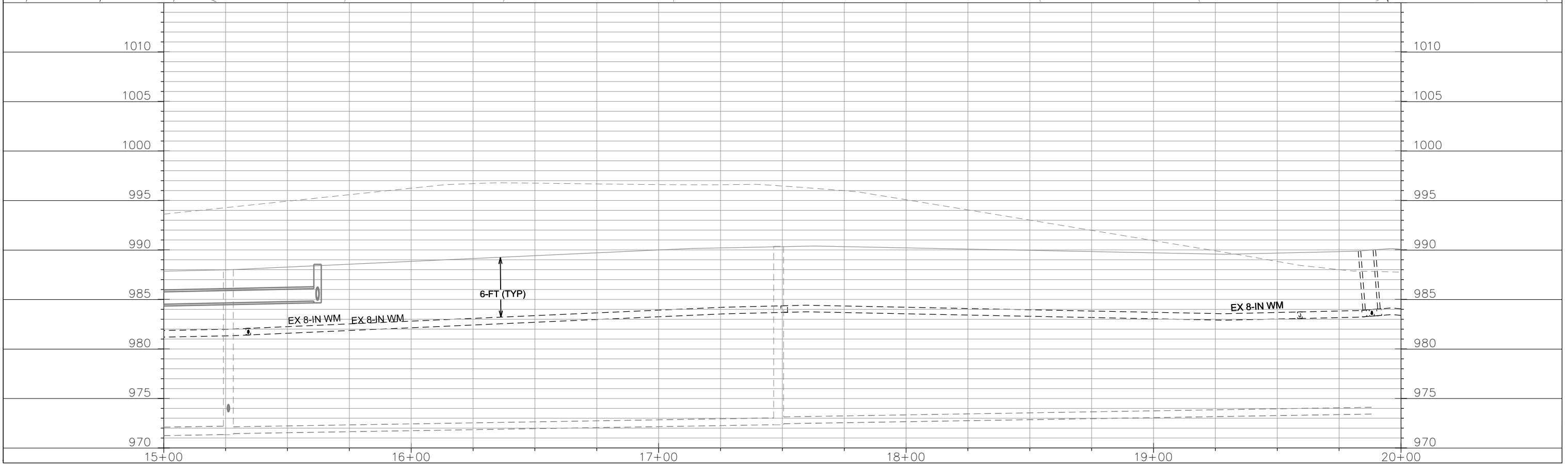
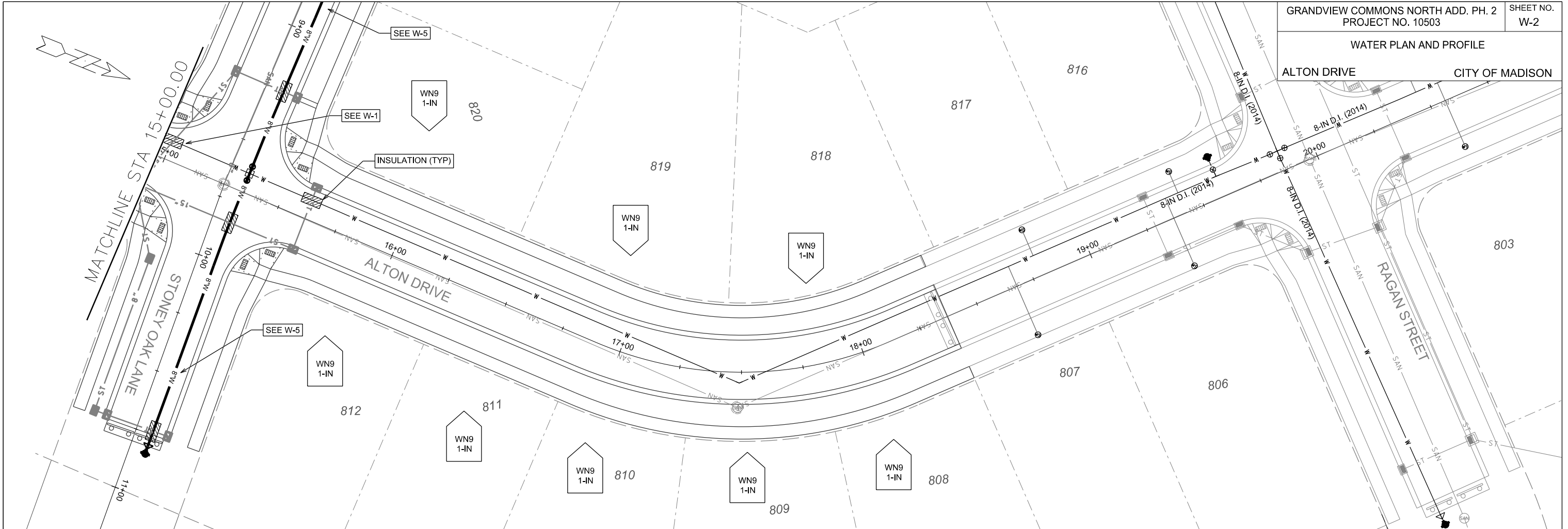
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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE  
ALTON DRIVE CITY OF MADISON

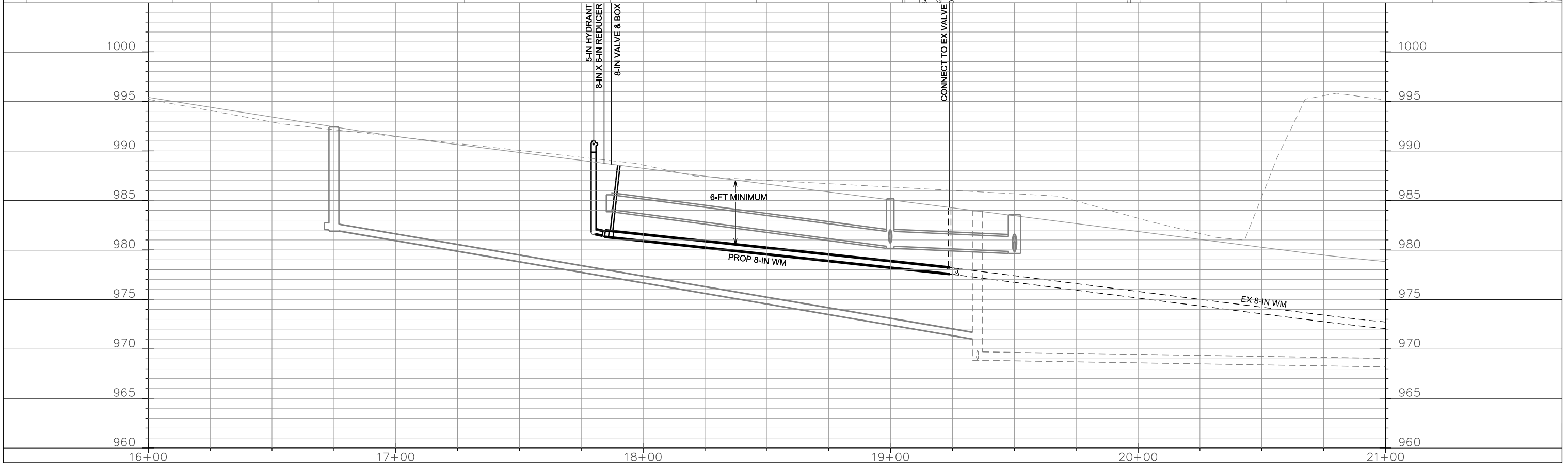
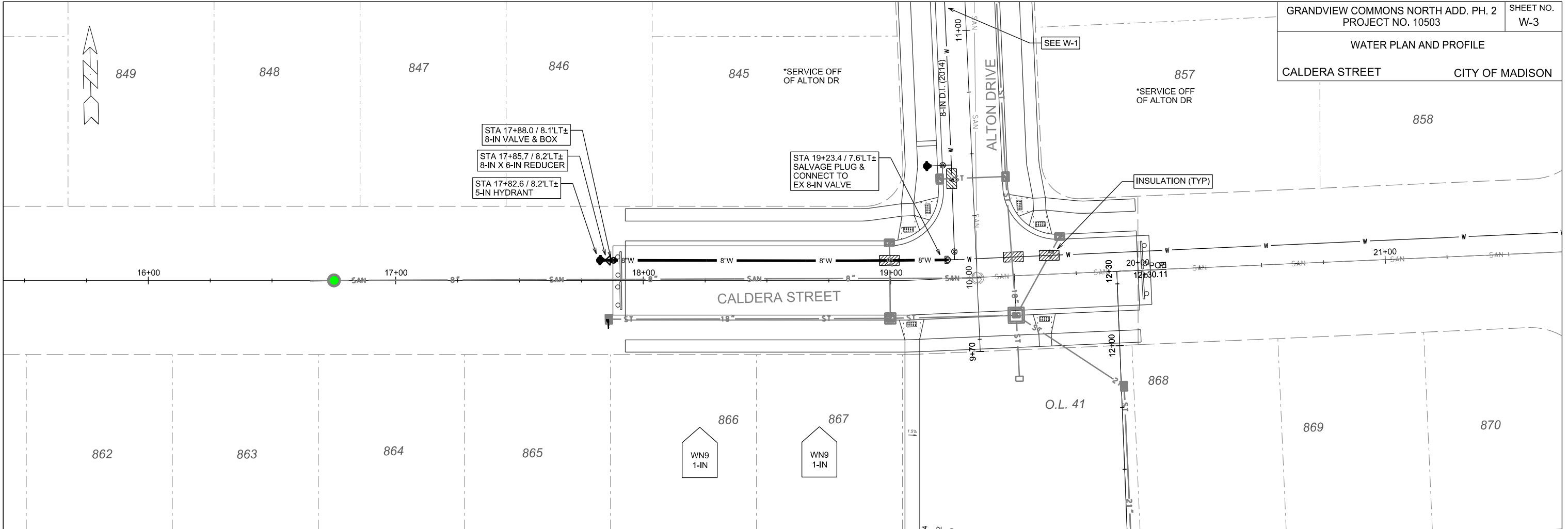


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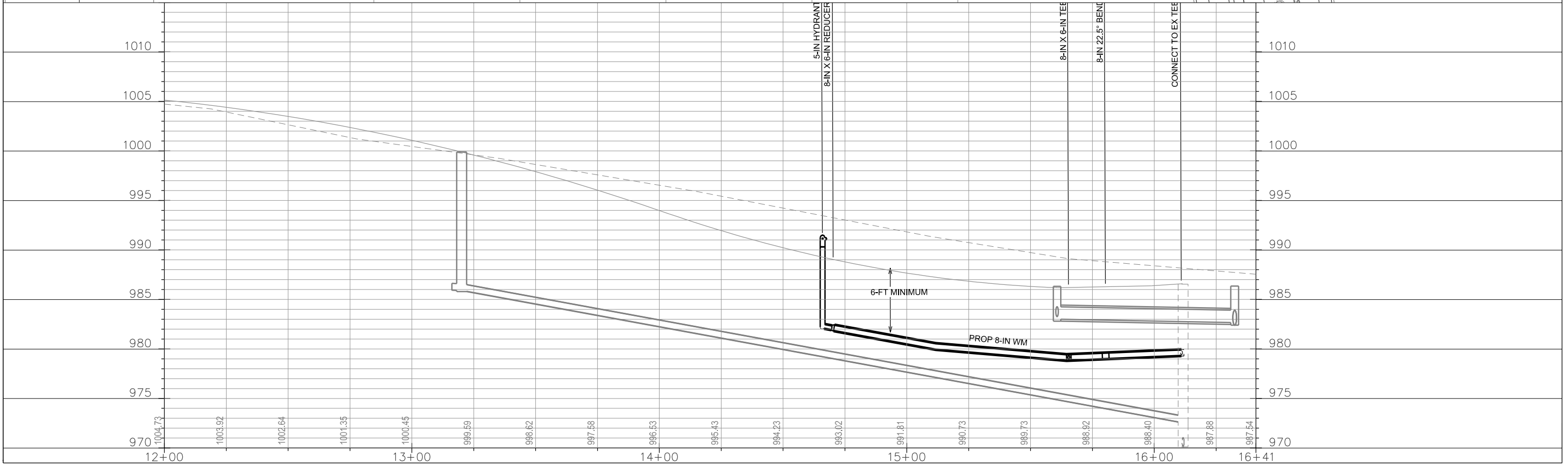
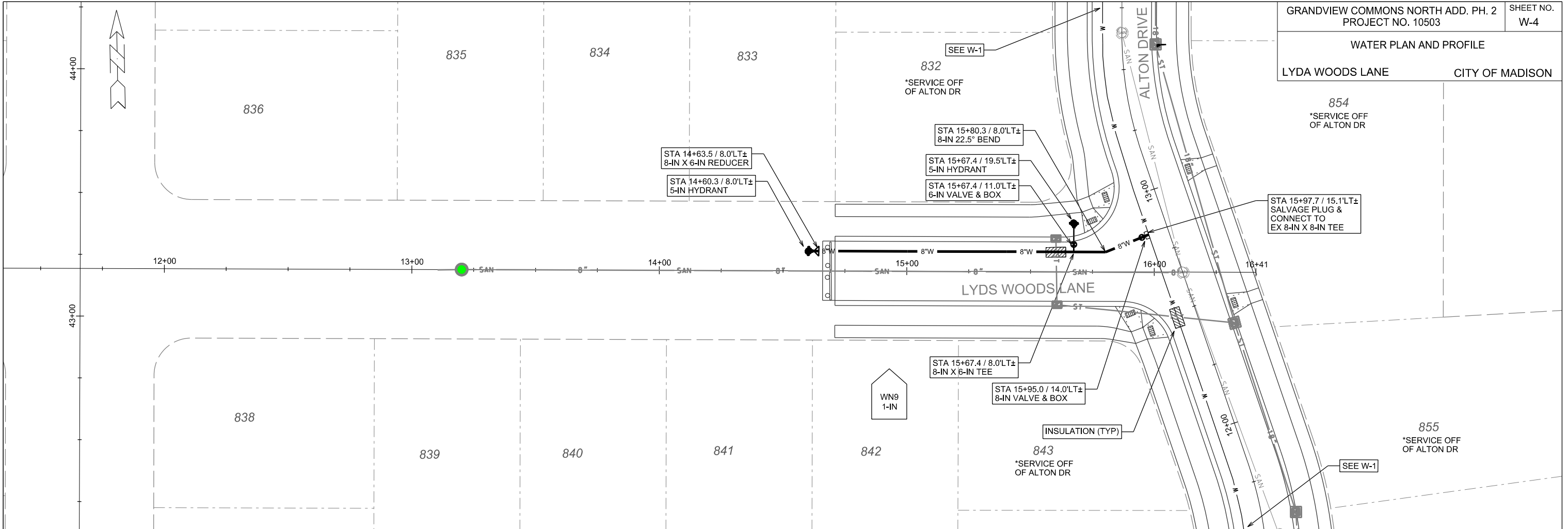


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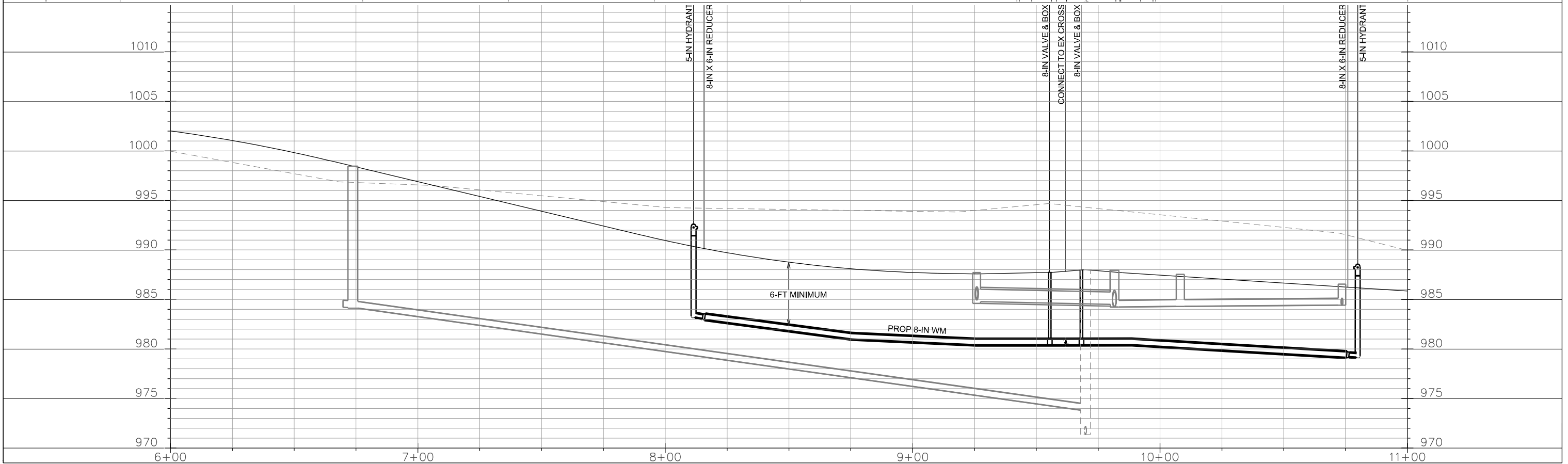
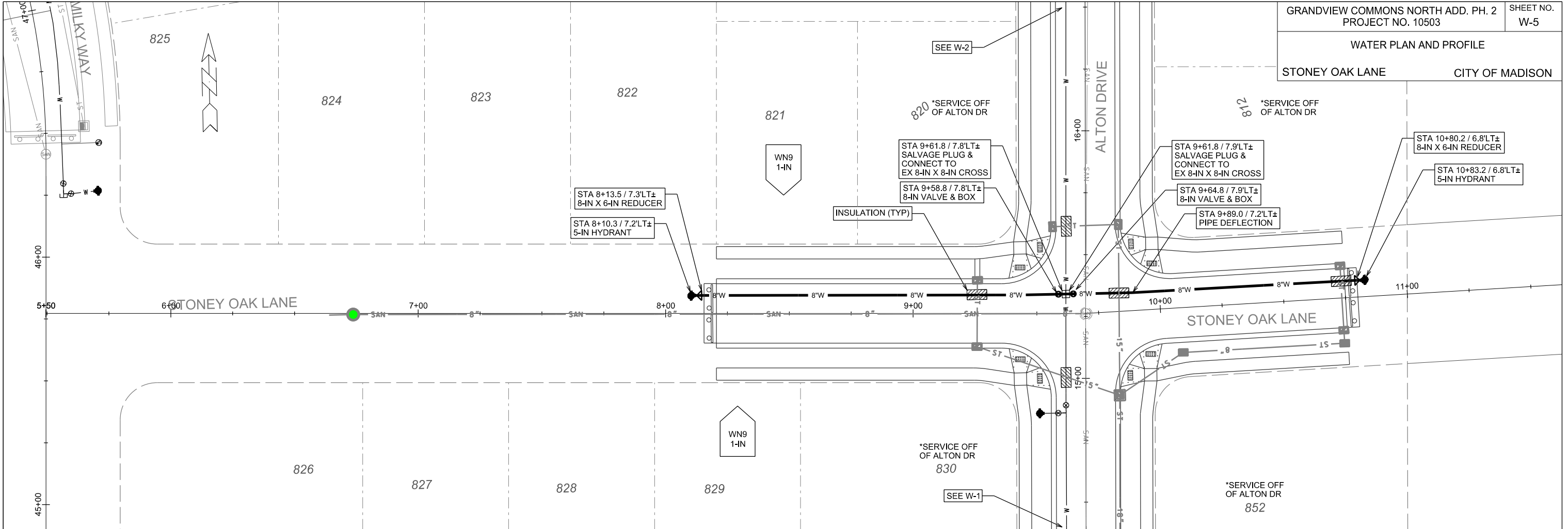


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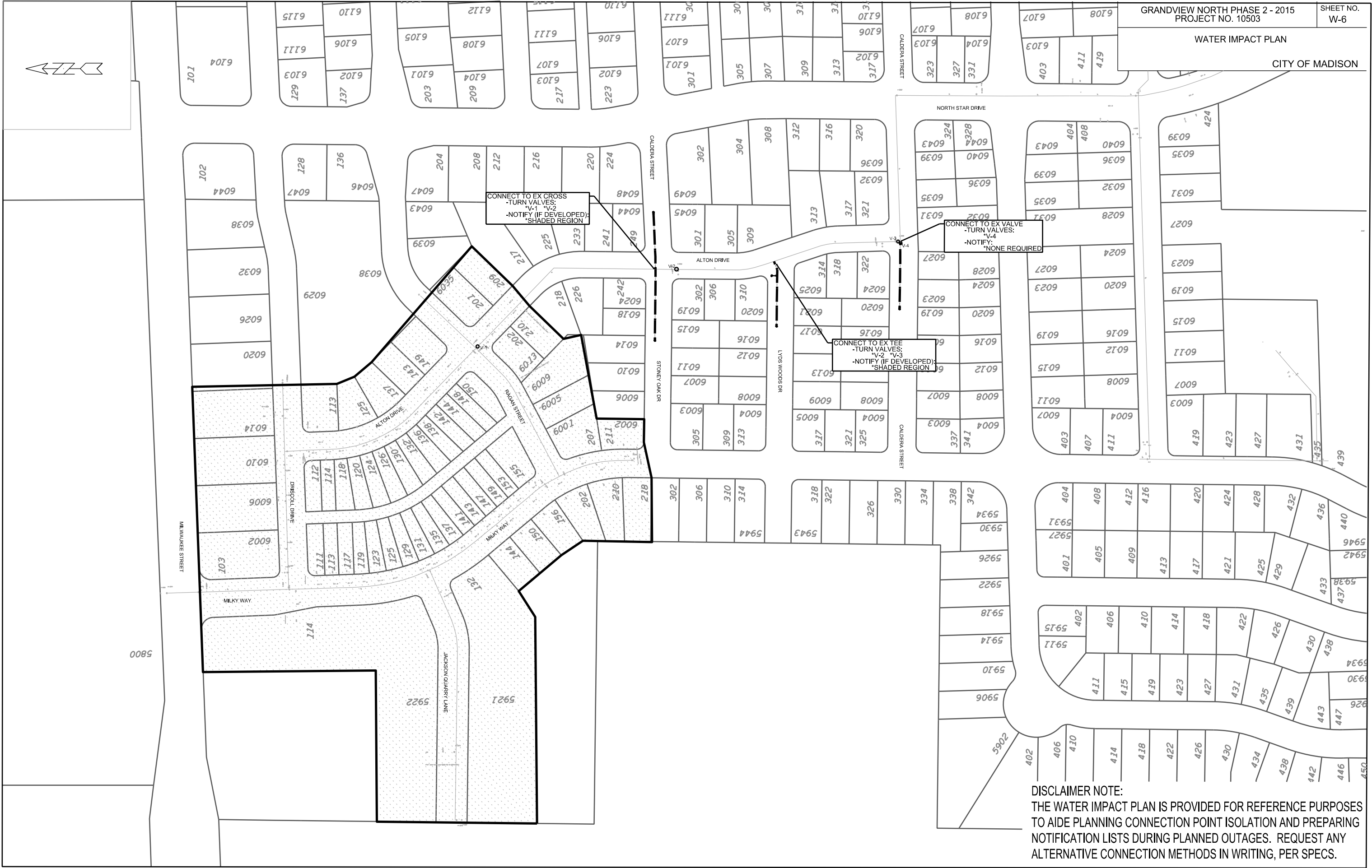
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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

FILE NAME:

DATE:

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.

- 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
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

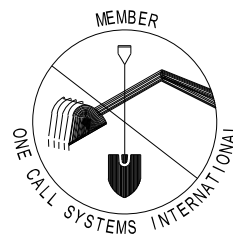
*\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- 40-FT - 6-IN PIPE
- 540-FT - 8-IN PIPE
- 640-FT - POLYWRAP
- 1 - 6-IN VALVE & BOX
- 3 - 8-IN VALVE & BOX
- 1 - 8-IN 22.5° BEND
- 1 - 8-IN X 6-IN TEE
- 4 - 8-IN X 6-IN REDUCER
- 5 - HYDRANT
- 88-FT - 2-IN STYROFOAM INSULATION
- 1-IN COPPER SERVICE PIPING (AS REQUIRED)

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.



ESTIMATE OF MATERIALS SALVAGED:

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

- 4 - 8-IN MJ PLUG

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.

