



**Madison, Wisconsin**

**INDEX OF SHEETS - STREET GRADES AND GEOMETRICS**

SHEET NO.	TITLE
1	DETAILS
D1-D4	CALLISTO DRIVE (NB)
P1	CALLISTO DRIVE (SB)
P2	TRAVELER LANE

**INDEX OF SHEETS - UTILITIES**

SHEET NO.	TITLE
U1	CALLISTO DRIVE (NB) SEWERS
U2	CALLISTO DRIVE (SB) SEWERS
U3	TRAVELER LANE SEWERS
U4	STORM SEWER SCHEDULE
W1	CALLISTO DRIVE (NB) WATER
W2	CALLISTO DRIVE (SB) WATER
W3	TRAVELER LANE WATER
W4	WATER IMPACT PLAN
W5	WATER MATERIALS LIST

# CITY OF MADISON

## CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

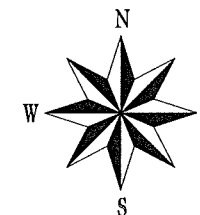
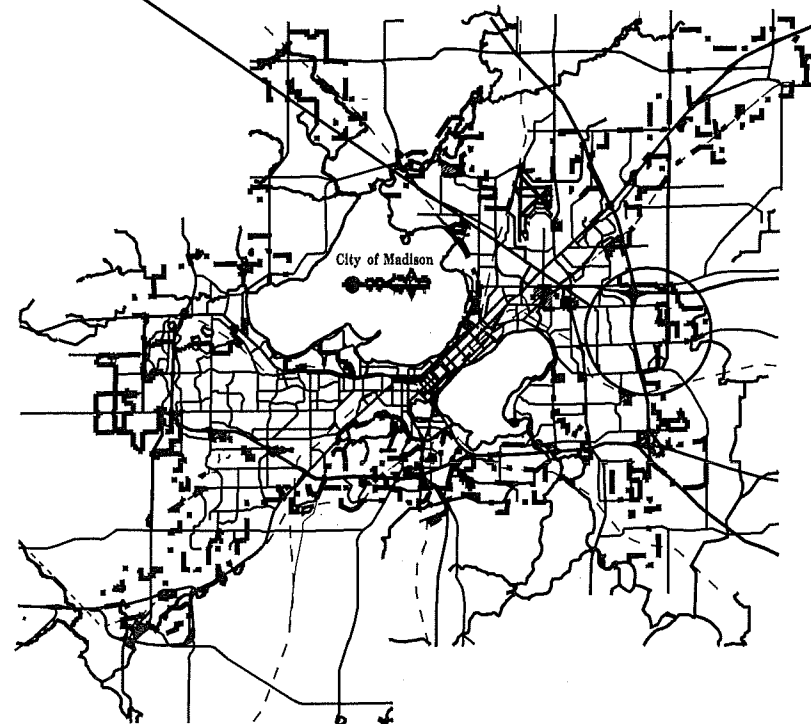
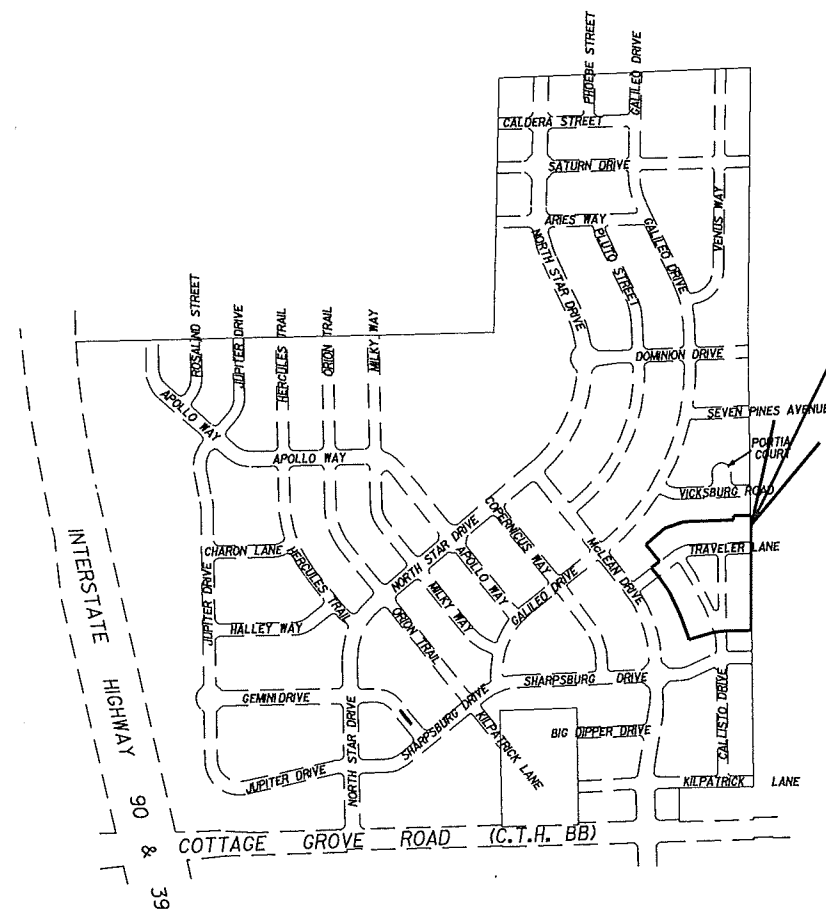
# GRANDVIEW COMMONS

## PHASE 11

CALLISTO DRIVE (NB), CALISTO DRIVE (SB),  
AND TRAVELER LANE

CITY PROJECT NO. 53B1972

**PROJECT  
LOCATION**



PUBLIC IMPROVEMENT PROJECT APPROVED  
JUNE 1, 2004  
BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

City Clerk \_\_\_\_\_ Date \_\_\_\_\_

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*[Signature]* 5/2/12  
City Engineer \_\_\_\_\_ Date \_\_\_\_\_

STREET GRADES  
DESIGNED BY:

CHRISTY  
BACHMANN  
#932079  
MADISON, WI  
5-1-12  
PROFESSIONAL ENGINEER

CIVIL ENGINEER

STORM SEWER AND DITCHING  
DESIGNED BY:

GREGORY  
FRIS  
E-30666  
MADISON, WI  
5/1/12  
PROFESSIONAL ENGINEER

CIVIL ENGINEER

SANITARY SEWER  
DESIGNED BY:

MARK D.  
MILLER  
E-33979  
MADISON, WI  
5/2/12  
PROFESSIONAL ENGINEER

CIVIL ENGINEER

WATER DISTRIBUTION  
DESIGNED BY:

KELLY B.  
MIESS  
E-11621  
MADISON, WI  
5-1-2012  
PROFESSIONAL ENGINEER

CIVIL ENGINEER

GEOMETRICS  
DESIGNED BY:

DANIEL J.  
MCCAFFREY  
E-38520  
MADISON, WI  
5/1/12  
PROFESSIONAL ENGINEER

TRAFFIC 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.**

**AND ALL PAVEMENT SHALL BE TYPE "A" PER STANDARD DETAIL DRAWING 4.02.**

**THE ISLAND BETWEEN CALLISTO DRIVE (NB) AND CALLISTO DRIVE (SB) SHALL HAVE TYPE "B" C & G PER S.D.D. 3.06 AND MOUNTABLE NOSES PER S.D.D. 3.13. ALL OTHER C & G SHALL BE TYPE "A" PER S.D.D. 3.06 UNLESS OTHERWISE NOTED.**

**ISLAND INTERIORS SHALL BE OF SOD WHERE THE BACK TO BACK OF CURB DIMENSION IS GREATER THAN 6'.**

**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.**

**PAVEMENT CROSS SLOPES SHALL BE 2%, TERRACES SHALL SLOPE AT A 4% GRADE TOWARD THE GUTTER, SHOULDERS SHALL HAVE A 4% CROSS SLOPE AND CROSS SLOPES FORMING DITCHES SHALL NOT EXCEED 4.00:1 UNLESS OTHERWISE INDICATED.**

**THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 2%. 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. A 2 FOOT WIDE CONCRETE FLUME SHALL BE INSTALLED BETWEEN THE SIDEWALK AND THE BACK OF CURB AT SIDEWALK LOW POINTS WHICH CANNOT OTHERWISE BE DRAINED DIRECTLY TO THE GUTTER. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. THE DESIGN OF SIDEWALK ELEVATIONS AND GRADES IS NOT INCLUDED IN THIS PLAN. 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.**

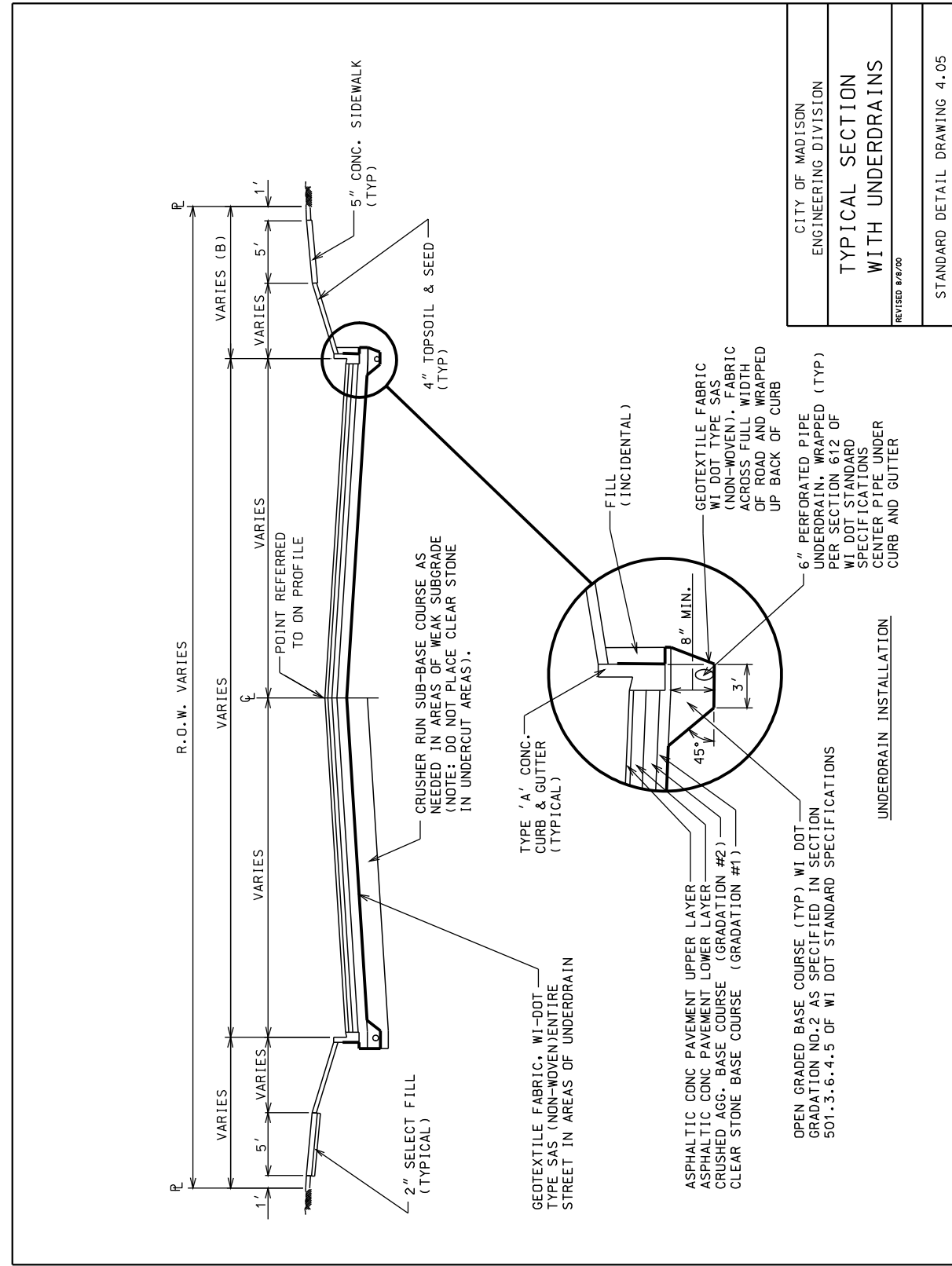
**CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.**

PLOT SCALE: .....

PLOT NAME: .....

REV. DATE: .....

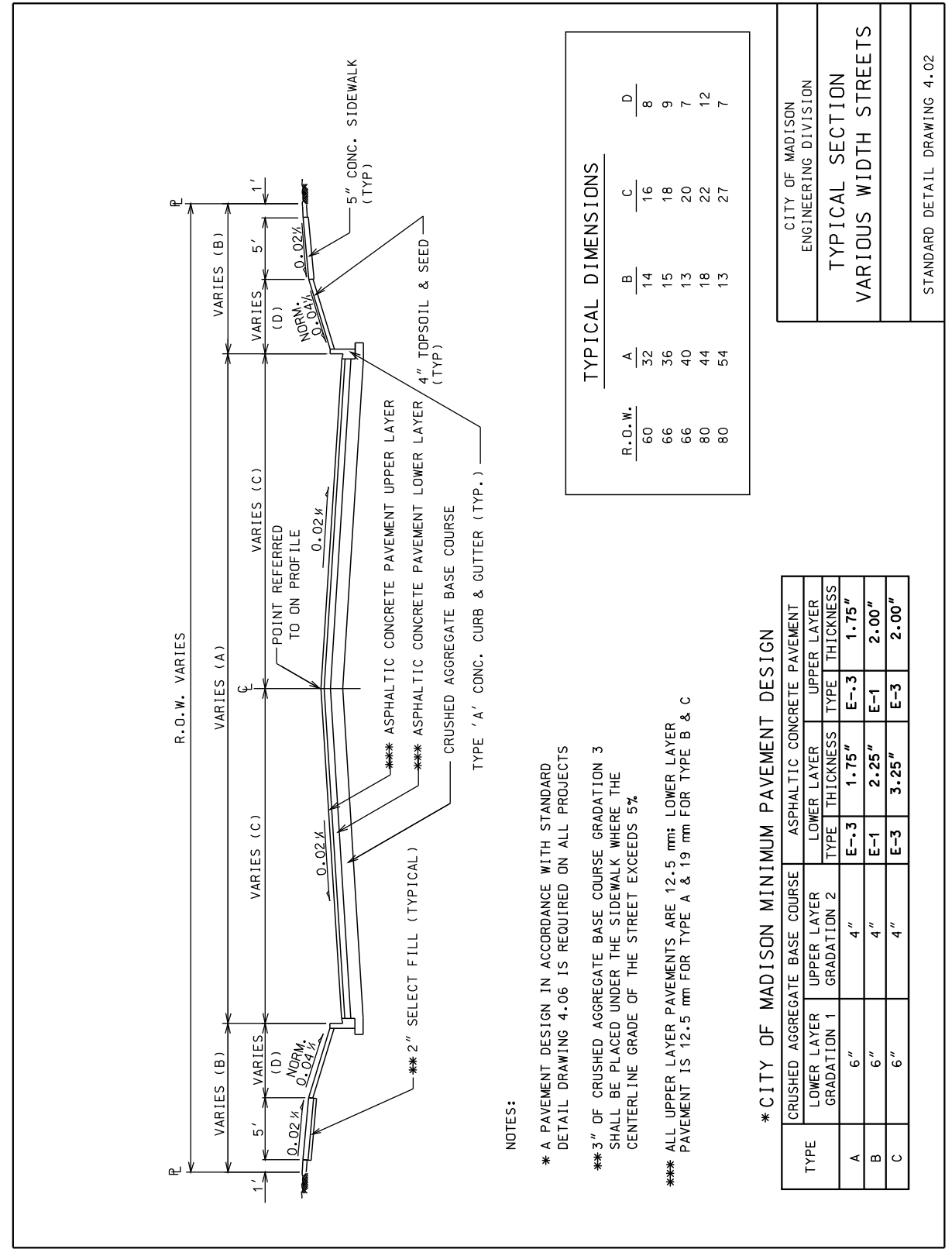
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



4.05

1/8/99

M:/DESIGN/STREETS/DGN/STREETS/CITY\_SDD/ 4\_05.DGN



4.02

M:/DESIGN/STREETS/DGN/STREETS/CITY\_SDD/ 4\_02.DGN

**TYPICAL DIMENSIONS**

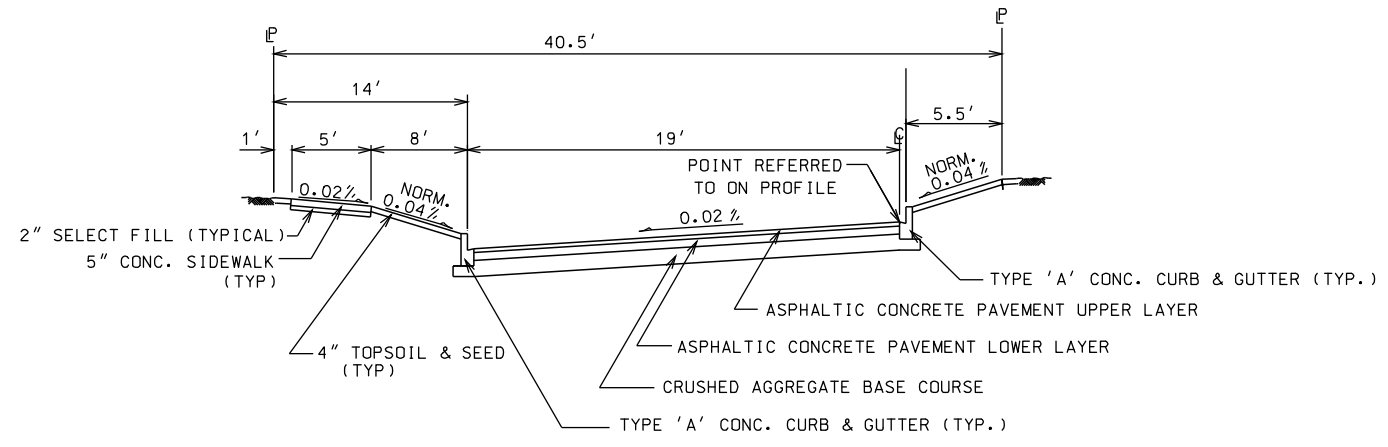
R.O.W.	A	B	C	D
60	32	14	16	8
66	36	15	18	9
66	40	13	20	7
80	44	18	22	12
80	54	13	27	7

**NOTES:**

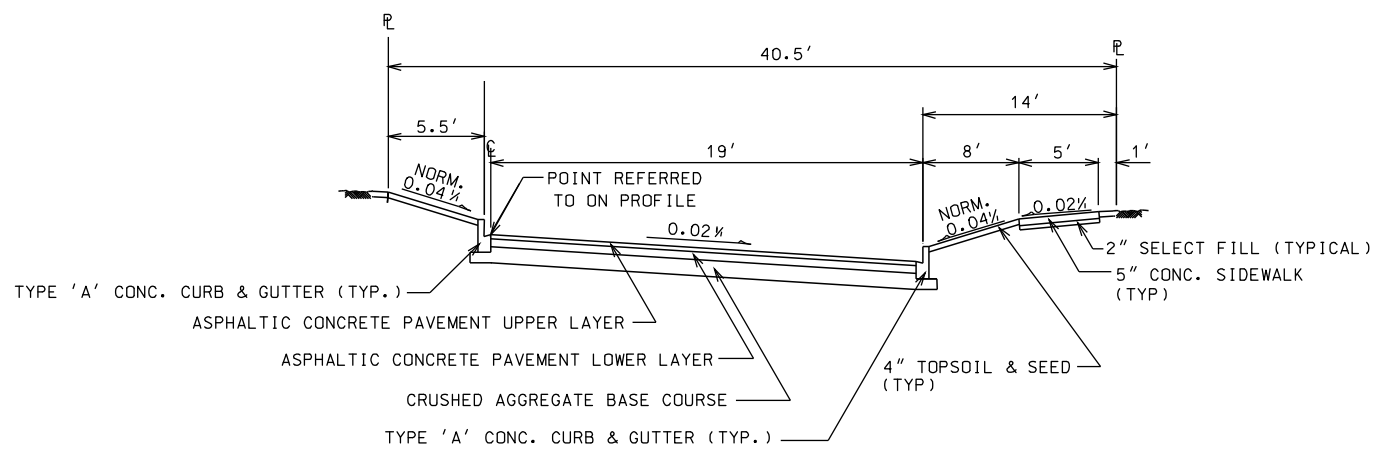
- \* A PAVEMENT DESIGN IN ACCORDANCE WITH STANDARD DETAIL DRAWING 4.06 IS REQUIRED ON ALL PROJECTS
- \*\*\*3" OF CRUSHED AGGREGATE BASE COURSE GRADATION 3 SHALL BE PLACED UNDER THE SIDEWALK WHERE THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%
- \*\*\* ALL UPPER LAYER PAVEMENTS ARE 12.5 mm; LOWER LAYER PAVEMENT IS 12.5 mm FOR TYPE A & 19 mm FOR TYPE B & C

**\* 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	UPPER LAYER TYPE
A	6"	4"	E-3	E-3
B	6"	4"	E-1	E-1
C	6"	4"	E-3	E-3



CALISTO DRIVE (SB) STATION 11+38.47 TO TRAVELER LANE



CALISTO DRIVE (NB) STATION 19+16.26 TO TRAVELER LANE

NOTES:

A PAVEMENT DESIGN IN ACCORDANCE WITH STANDARD  
 DETAIL DRAWING 4.06 IS REQUIRED

3" OF CRUSHED AGGREGATE BASE COURSE GRADATION 3  
 SHALL BE PLACED UNDER THE SIDEWALK WHERE THE  
 CENTERLINE GRADE OF THE STREET EXCEEDS 5%

ALL UPPER LAYER PAVEMENTS ARE 12.5 mm; LOWER LAYER  
 PAVEMENT IS 12.5 mm FOR TYPE A & 19 mm FOR TYPE B & C

\*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"	4"	E-3	1.75"	E-3	1.75"
B	6"	4"	E-1	2.25"	E-1	2.00"
C	6"	4"	E-3	3.25"	E-3	2.00"

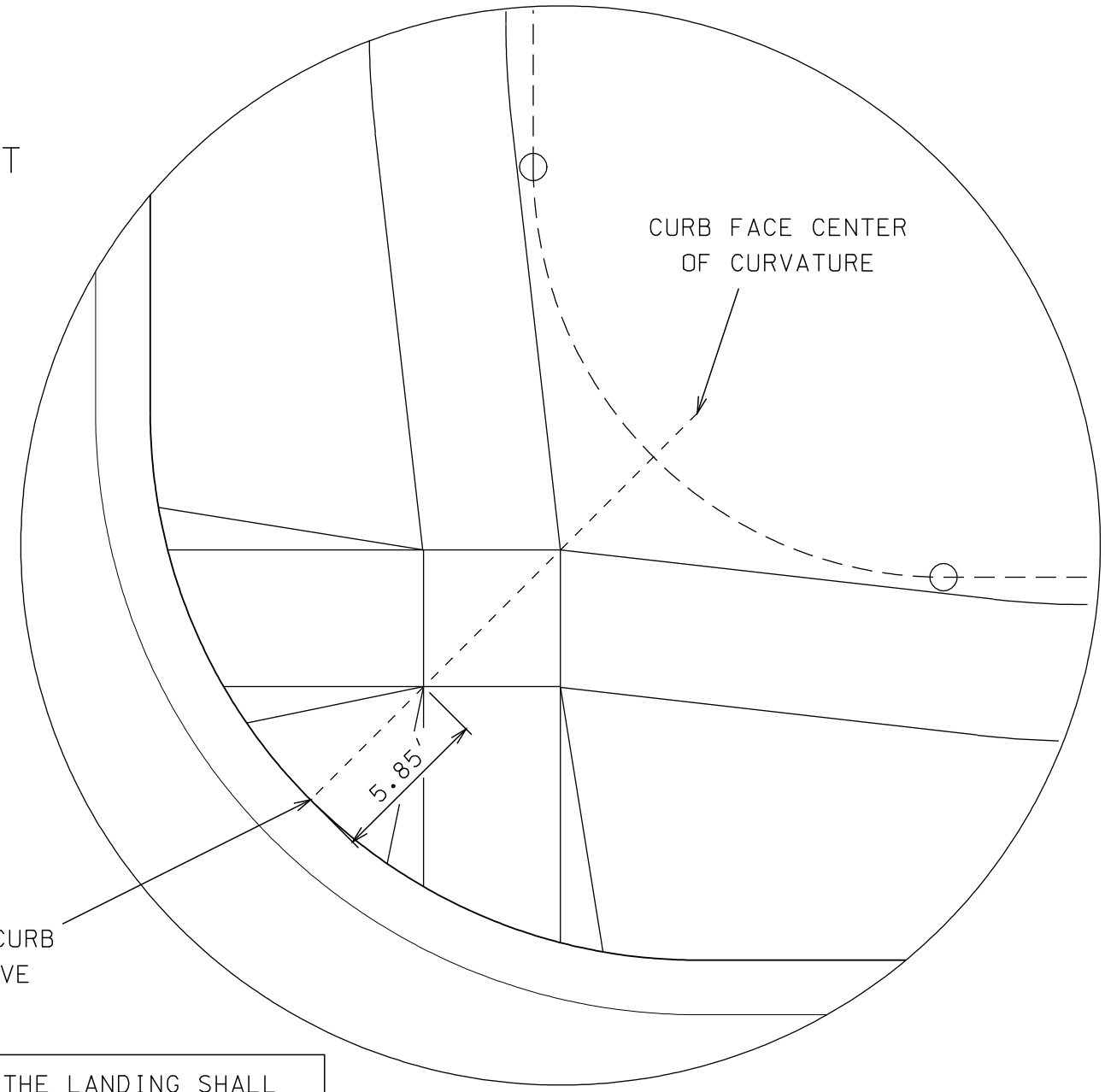
RAMP GRADES SHALL NOT EXCEED 8.33% AT ANY POINT.

SIDEWALK LONGITUDINAL GRADES AT ALL LOCATIONS OTHER THAN RAMPS SHALL NOT EXCEED 5.0%.

ANY SIDEWALK ELEVATIONS INDICATED ON THE PLAN NEAR THE RAMPS ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION. ACTUAL SIDEWALK AND RAMP ELEVATIONS SHALL BE DETERMINED BASED ON THE AS BUILT ELEVATIONS OF THE CURB AND GUTTER.

CONTACT THE CITY ENGINEER FOR A SITE SPECIFIC DESIGN IF THIS TYPICAL LAYOUT RESULTS IN ANY NON-COMPLIANCE WITH THE AMERICANS WITH DISABILITIES GUIDELINES OR ANY LOCAL, STATE OR NATIONAL REGULATIONS, CODES, GUIDELINES OR ORDINANCES.

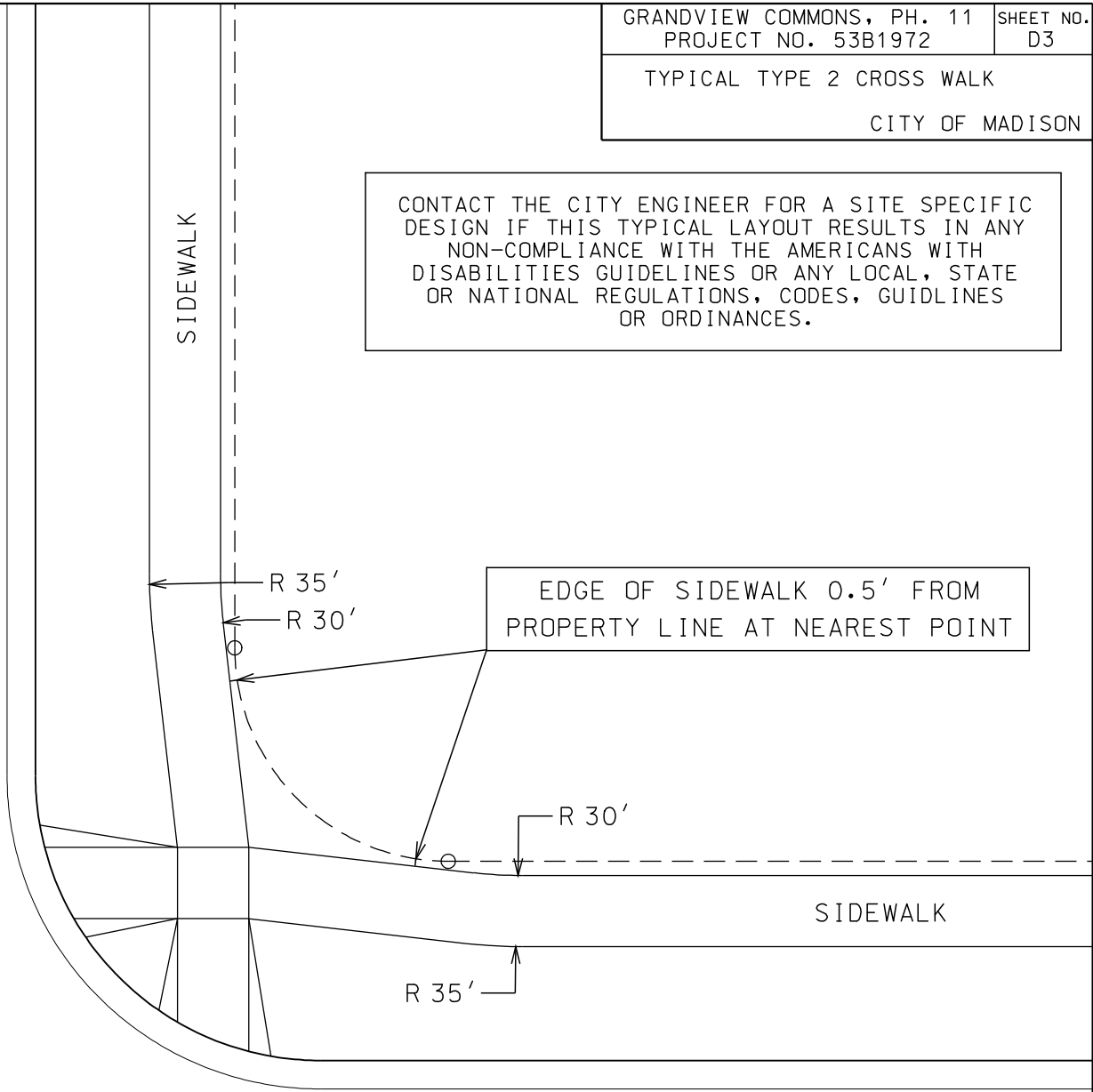
LANDING LAYOUT



FACE OF CURB MID-CURVE

CURB FACE CENTER OF CURVATURE

THE NEAR CORNER OF THE LANDING SHALL BE 5.85' FROM THE FACE OF CURB. BOTH OPPOSITE CORNERS OF THE LANDING SHALL BE LOCATED ON THE RADIUS LINE WHICH PASSES THROUGH THE MIDPOINT OF THE CURB CURVATURE.

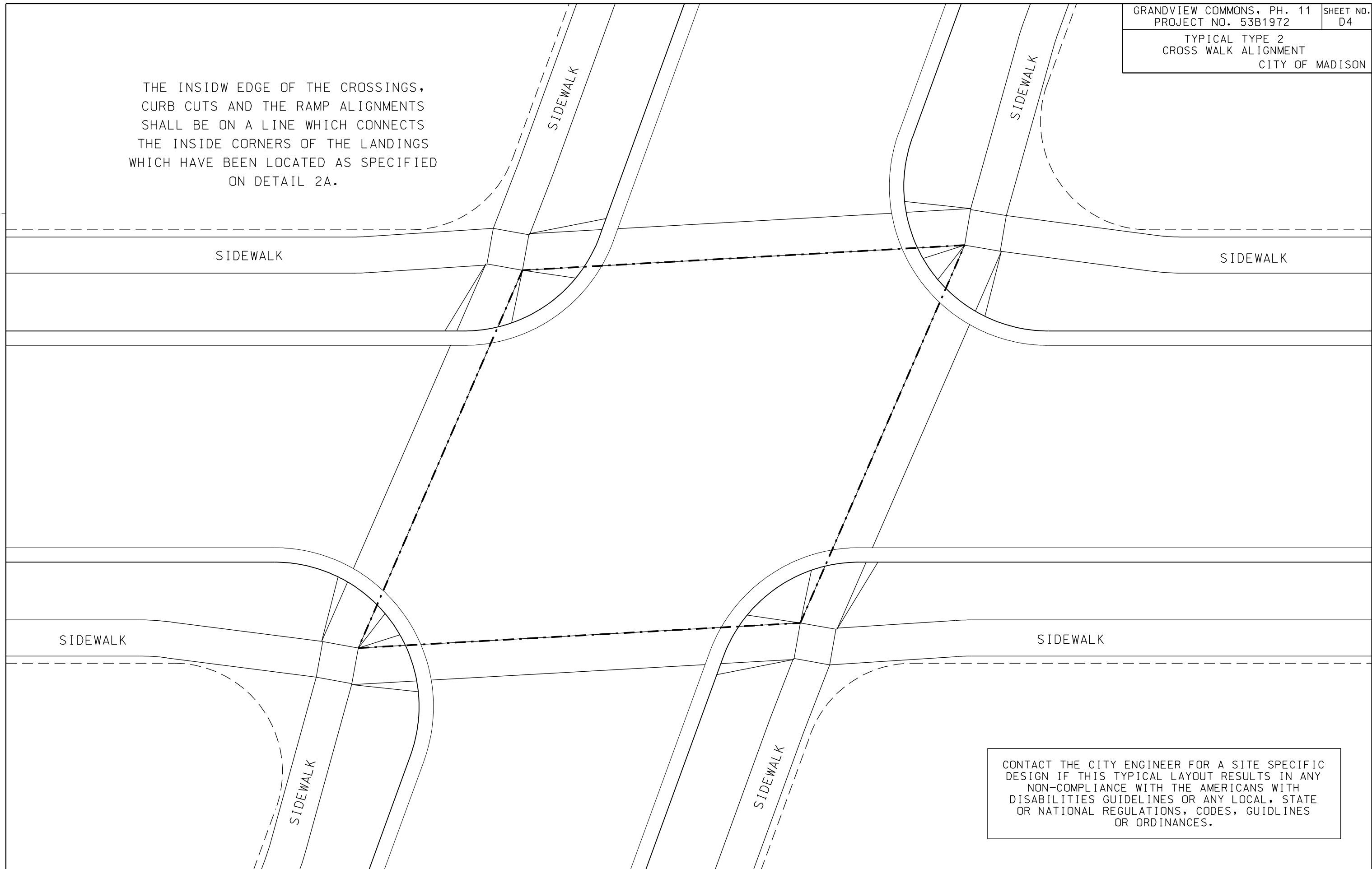


TYPICAL TYPE 2 RAMP LAYOUT

LONGITUDINAL RAMP GRADES SHALL NOT EXCEED 8.33% NOR BE LESS THAN 2.0% AT ANY POINT. THIS NOTE SHALL TAKE PRECEDENCE OVER ANY ELEVATION OR GRADE INDICATED ON THE PLAN.

TYPICAL TYPE 2  
CROSS WALK ALIGNMENT  
CITY OF MADISON

THE INSIDW EDGE OF THE CROSSINGS,  
CURB CUTS AND THE RAMP ALIGNMENTS  
SHALL BE ON A LINE WHICH CONNECTS  
THE INSIDE CORNERS OF THE LANDINGS  
WHICH HAVE BEEN LOCATED AS SPECIFIED  
ON DETAIL 2A.



SIDEWALK

SIDEWALK

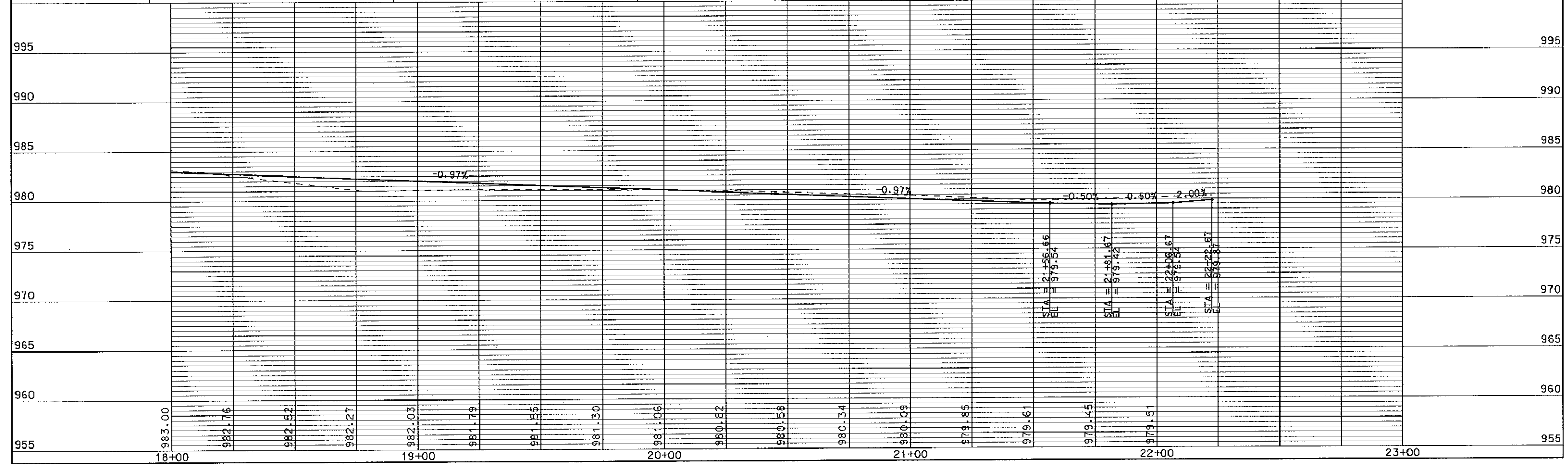
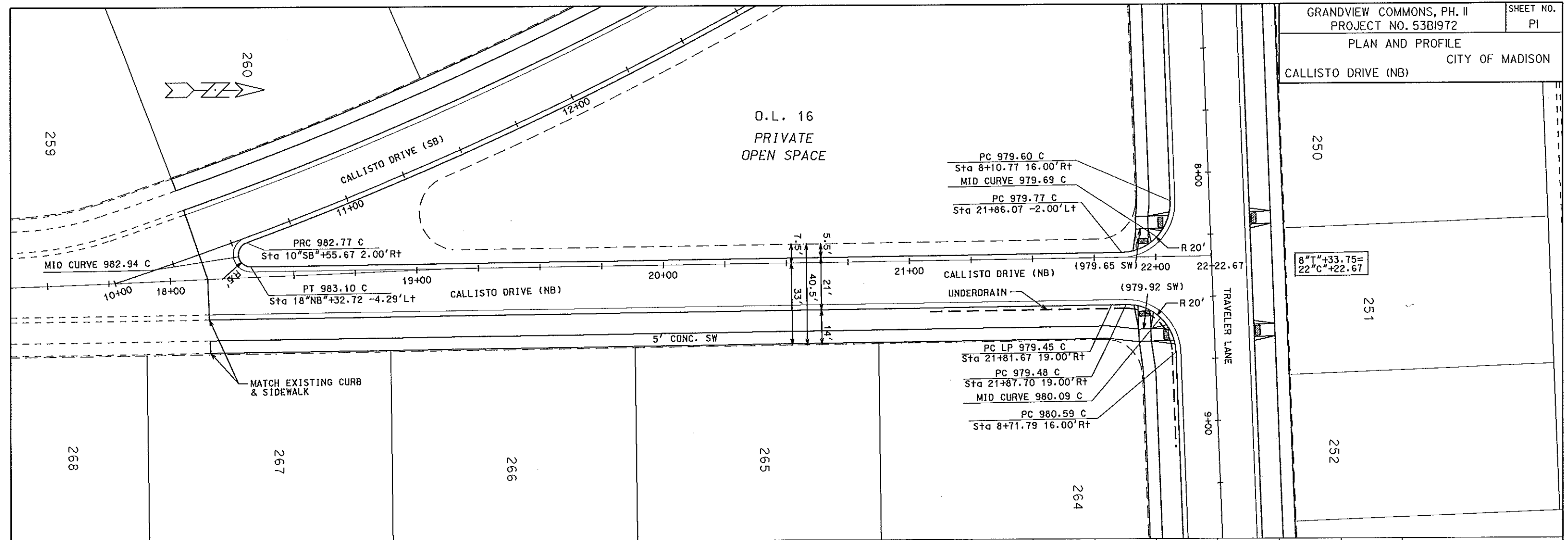
SIDEWALK

SIDEWALK

SIDEWALK

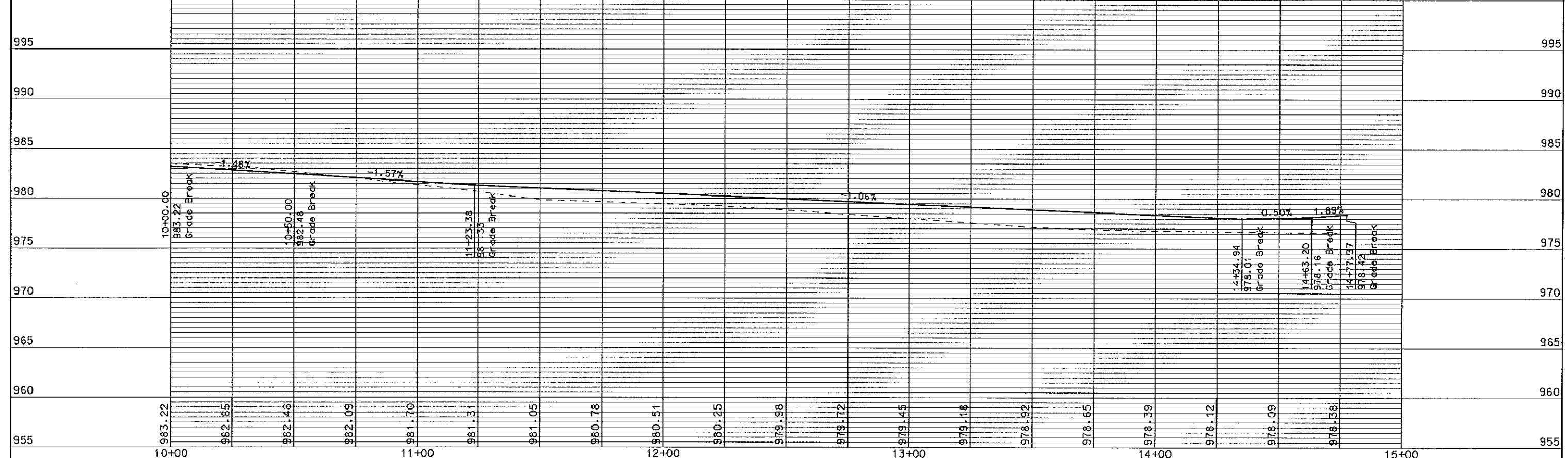
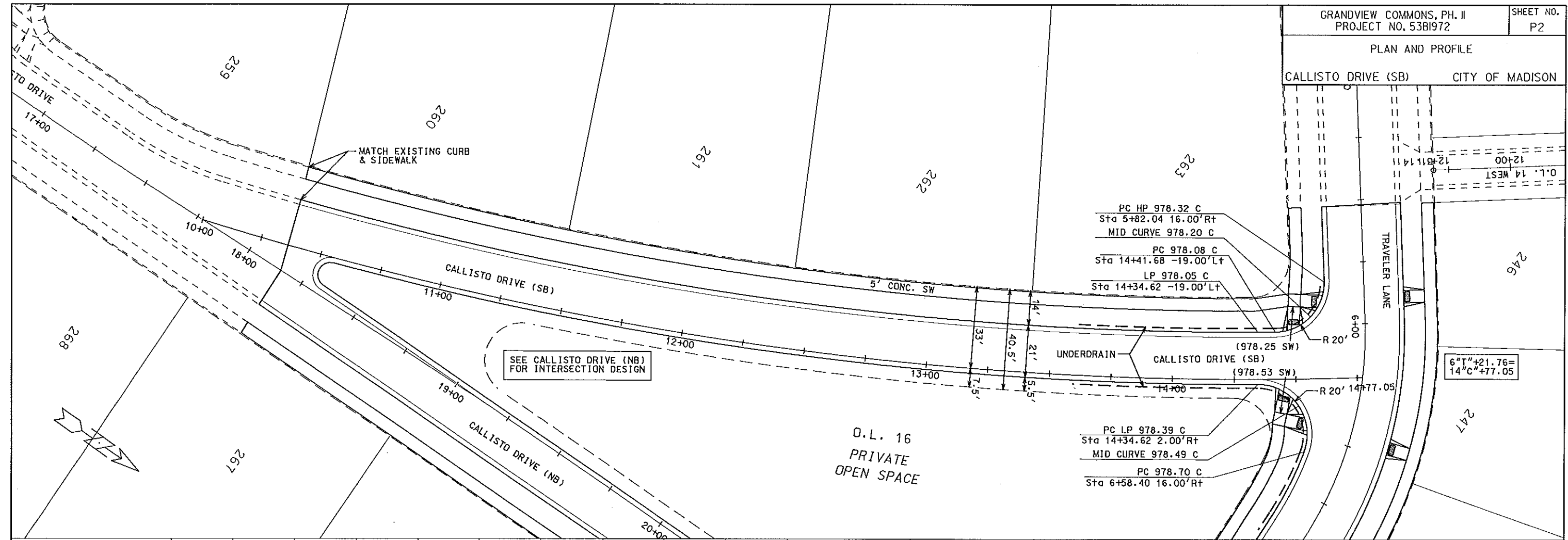
SIDEWALK

CONTACT THE CITY ENGINEER FOR A SITE SPECIFIC  
DESIGN IF THIS TYPICAL LAYOUT RESULTS IN ANY  
NON-COMPLIANCE WITH THE AMERICANS WITH  
DISABILITIES GUIDELINES OR ANY LOCAL, STATE  
OR NATIONAL REGULATIONS, CODES, GUIDLINES  
OR ORDINANCES.



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

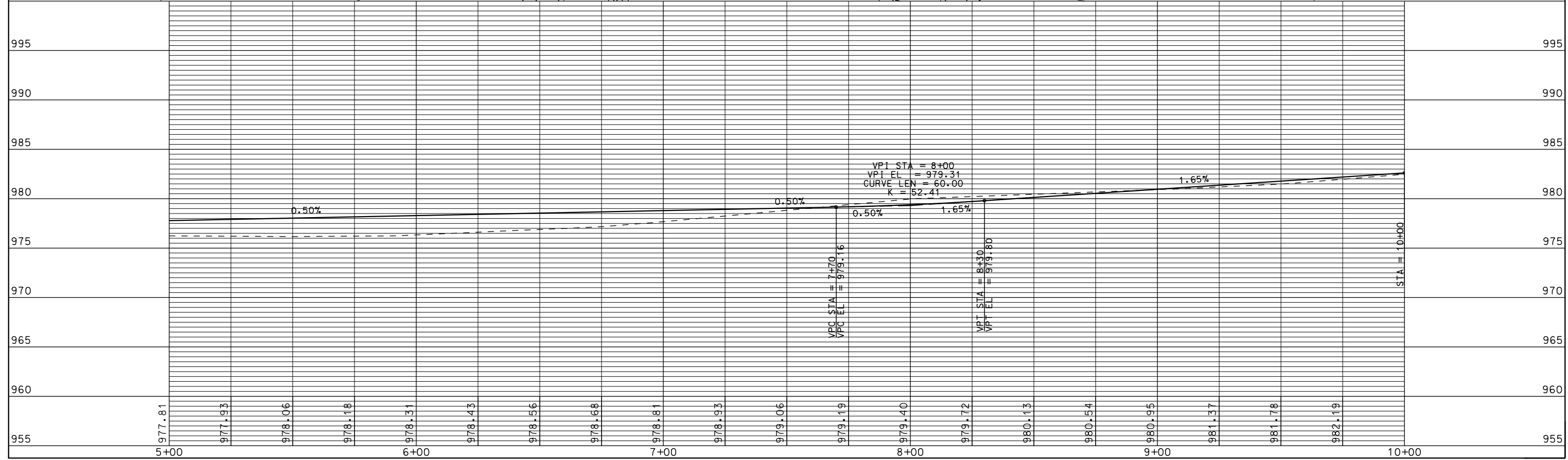
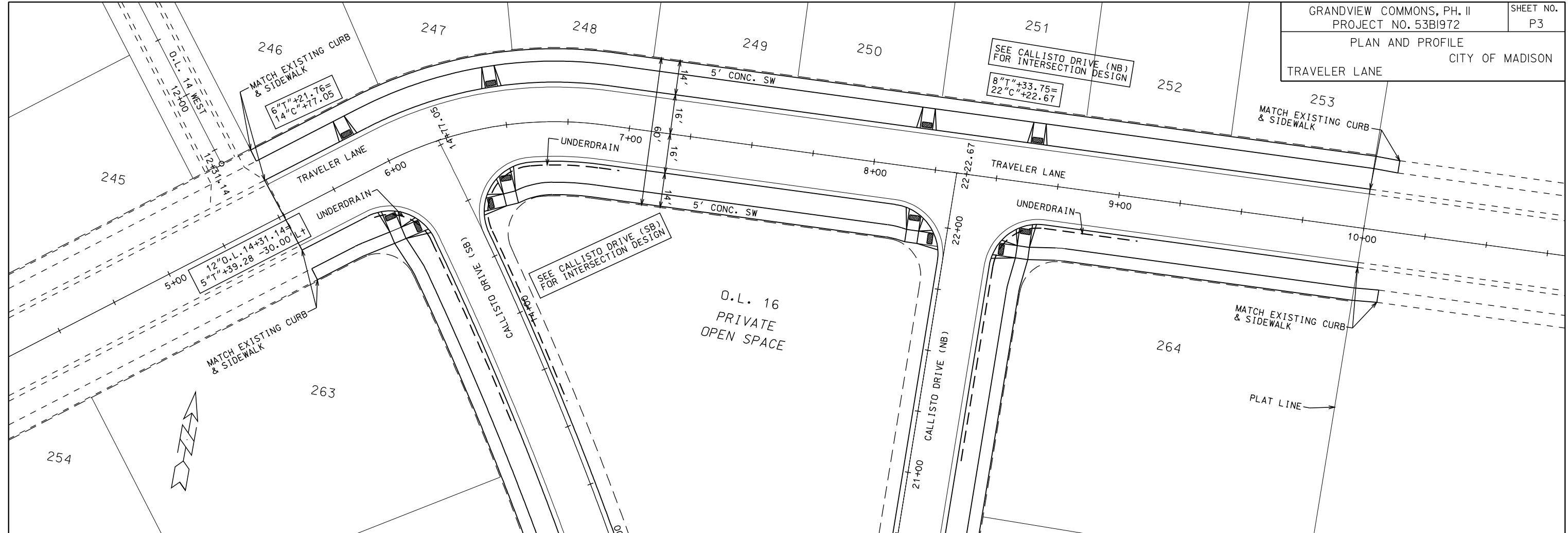
PLAN AND PROFILE  
CALLISTO DRIVE (SB) CITY OF MADISON



ORIGINATOR: CITY OF MADISON, SUBDIVISION

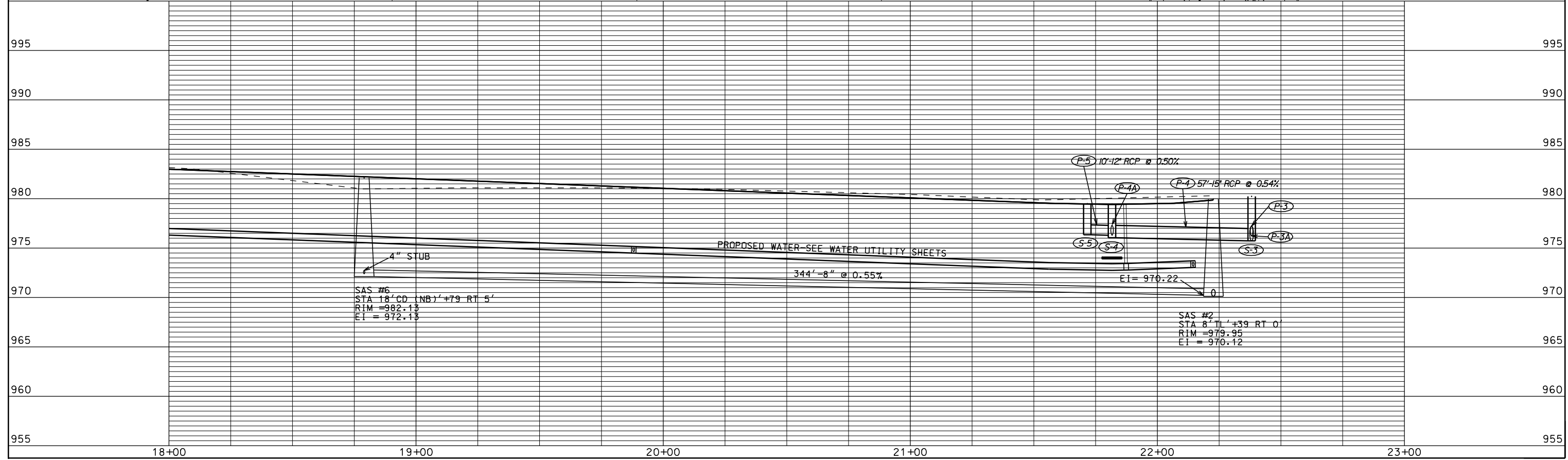
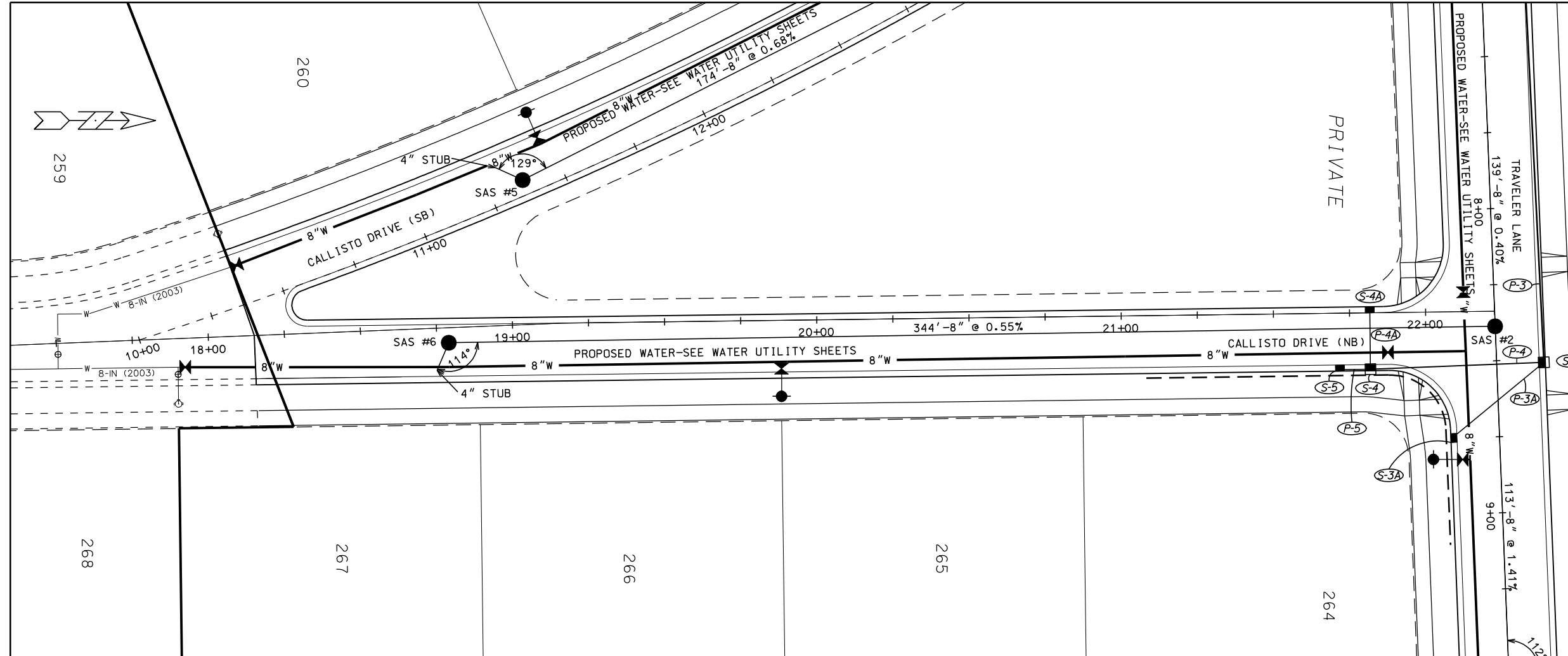
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REV. DATE: \_\_\_\_\_





PLOT SCALE: .....  
 PLOT NAME: .....  
 REV. DATE: .....

ORIGINATOR: CITY\_OF\_MADISON\_STREETS\_DIVISION

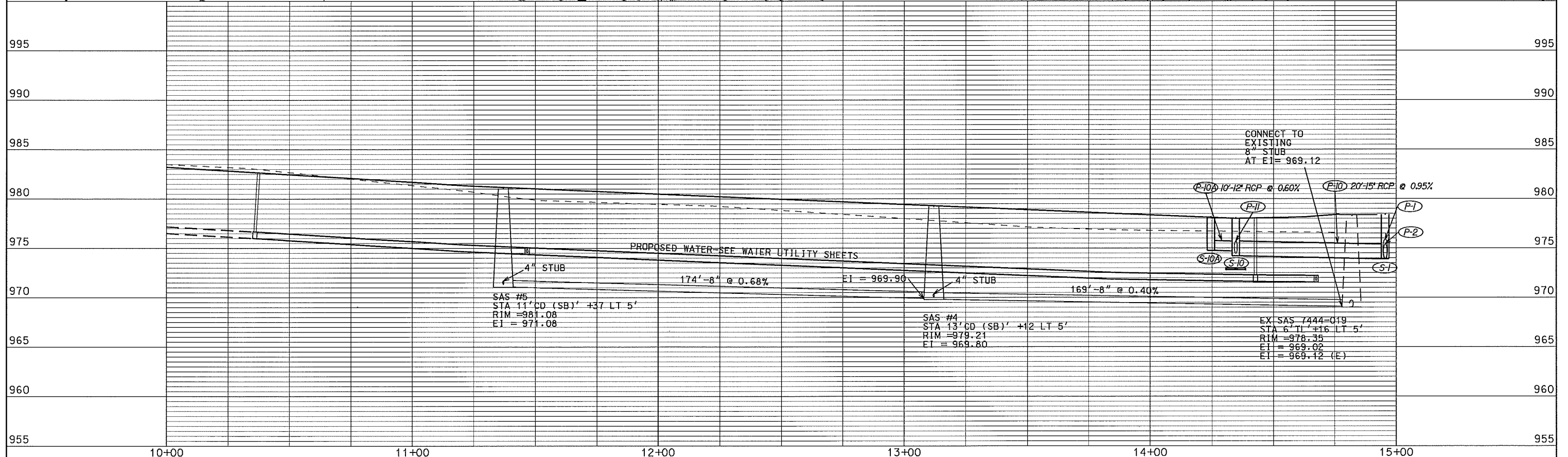
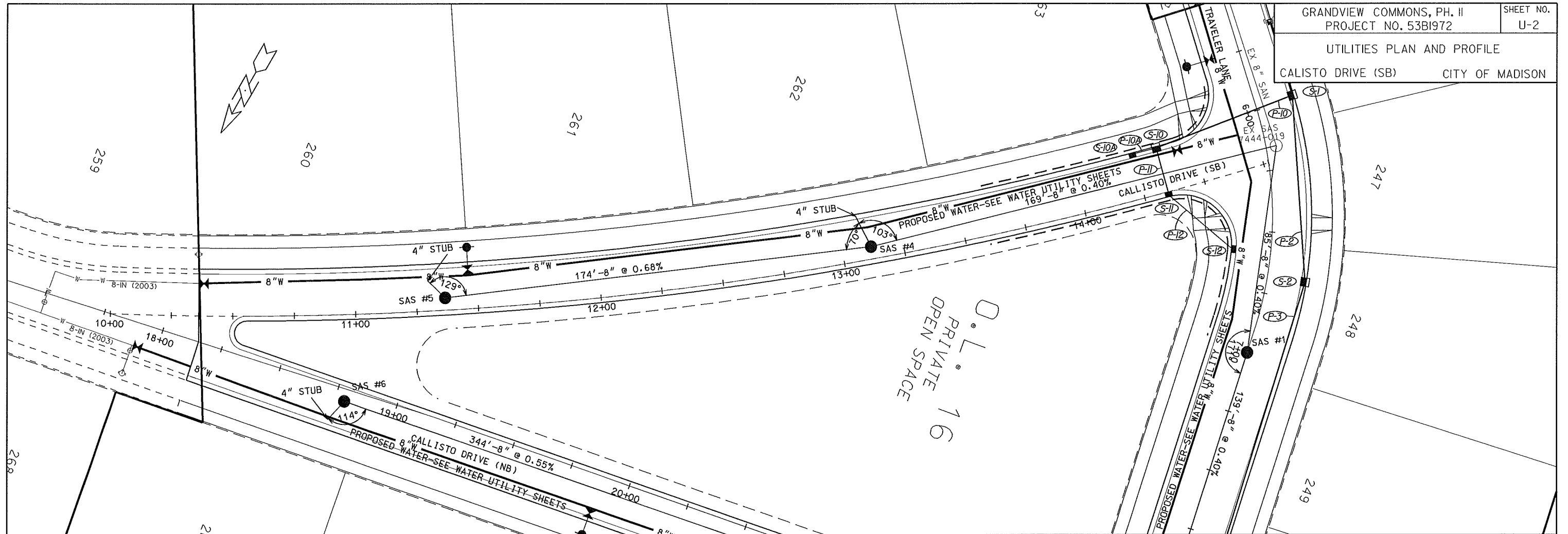


PLOT SCALE: .....

PLOT NAME: .....

REV. DATE: .....

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SAS #5  
 STA 11' CD (SB)' +37 LT 5'  
 RIM = 981.08  
 EI = 971.08

SAS #4  
 STA 13' CD (SB)' +12 LT 5'  
 RIM = 978.21  
 EI = 969.80

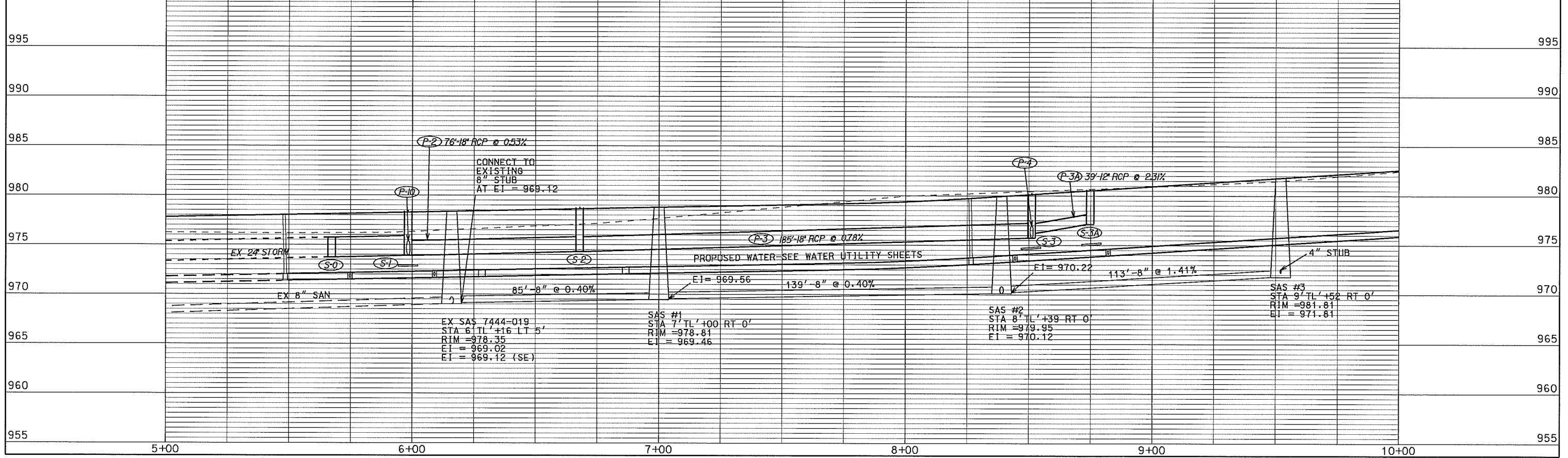
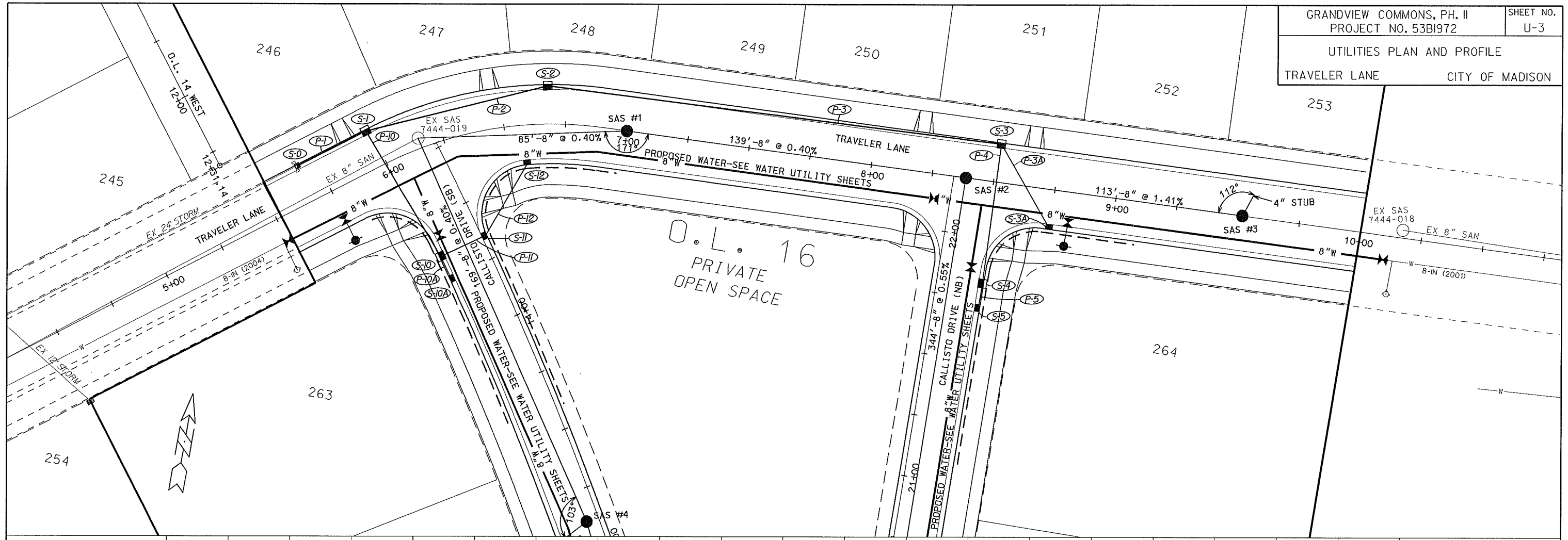
EX-SAS 7444-019  
 STA 6' TL' +16 LT 5'  
 RIM = 978.35  
 EI = 969.02  
 EI = 969.12 (E)

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE:

PLOT NAME:

REV. DATE:



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

# STORM SEWER SCHEDULE

## ALIGNMENT CODES:

'CN' = CALISTO DRIVE (NB)  
 'CS' = CALISTO DRIVE (SB)  
 'TL' = TRAVELER LANE

• REVISED 5/1/13 EEA

GRANDVIEW COMMONS PHASE II  
 PROJECT NO. 53BI972

SHEET NO.  
 U-4

STORM SEWER SCHEDULE

CITY OF MADISON

## STRUCTURES

STRUC. No.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CAST.	E. I.	DEPTH	NOTES
S-0	5' TL' +67.28	LT 15.50	CONCRETE COLLAR	DNA	973.74	DNA	CONCRETE COLLAR
S-1	5' TL' +98.35	LT 15.50	3X3 SAS	978.40	973.90	4.50	FP; W/ R-3067-7004-V CASTING
S-2	6' TL' +67.87	LT 15.50	3X3 SAS	978.75	974.30	4.45	W/ R-3067-7004-V CASTING
S-3	8' TL' +51.14	LT 15.50	3X3 SAS	980.24	975.74	4.50	W/ R-3067-7004-V CASTING
S-3A	8' TL' +74.77	RT 15.50	H INLET	980.64	977.14	3.50	W/ R-3067-7004-V CASTING
S-4	21' CN' +81.67	RT 18.50	3X3 SAS	979.45	976.05	3.40	LP; FP; W/ R-3067-7004 CASTING
<b>* S-4A</b>	<b>21' CN' +81.67</b>	<b>LT 18.50</b>	<b>H INLET</b>	<b>979.80</b>	<b>976.40</b>	<b>3.40</b>	<b>W/ R-3067-7004 CASTING</b>
S-5	21' CN' +71.67	RT 18.50	H INLET	979.50	976.35	3.15	W/ R-3067-7004-V CASTING
S-10	14' CS' +34.62	LT 18.50	3X3 SAS	978.05	974.20	3.85	LP; FP; W/ R-3067-7004 CASTING
S-10A	14' CS' +24.49	LT 18.50	H INLET	978.16	974.76	3.40	W/ R-3067-7004-V CASTING
S-11	14' CS' +34.62	RT 1.50	H INLET	978.39	974.64	3.75	LP; W/ R-3067-7004 CASTING
S-12	6' TL' +58.40	RT 15.50	H INLET	978.70	975.20	3.50	W/ R-3067-7004-V CASTING

## PIPES

PIPE No.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT.)	DISCH. E. I.	INLET E. I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-0	S-1	31	973.74	973.90	0.52	24"	RCP	---
P-2	S-1	S-2	76	973.90	974.30	0.53	18"	RCP	NCM
P-3	S-2	S-3	185	974.30	975.74	0.78	18"	RCP	---
P-3A	S-3	S-3A	39	976.24	977.14	2.31	12"	RCP	---
P-4	S-3	S-4	57	975.74	976.05	0.54	15"	RCP	NCM
<b>* P-4A</b>	<b>S-4</b>	<b>S-4A</b>	<b>20</b>	<b>976.30</b>	<b>976.40</b>	<b>0.50</b>	<b>12"</b>	<b>RCP</b>	<b>---</b>
P-5	S-4	S-5	10	976.30	976.35	0.50	12"	RCP	---
P-10	S-1	S-10	59	973.90	974.20	0.51	18"	RCP	NCM
P-10A	S-10	S-10A	10	974.70	974.76	0.60	12"	RCP	---
P-11	S-10	S-11	20	974.45	974.64	0.95	15"	RCP	---
P-12	S-11	S-12	34	974.89	975.20	0.91	12"	RCP	---

## 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 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 POUR SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POUR) 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.

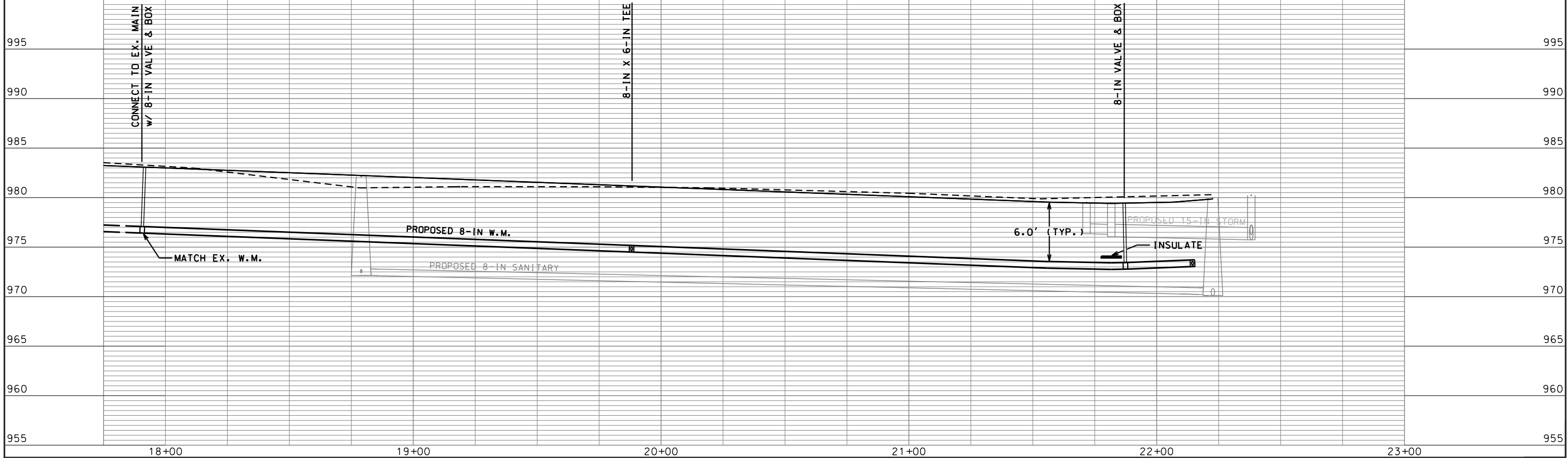
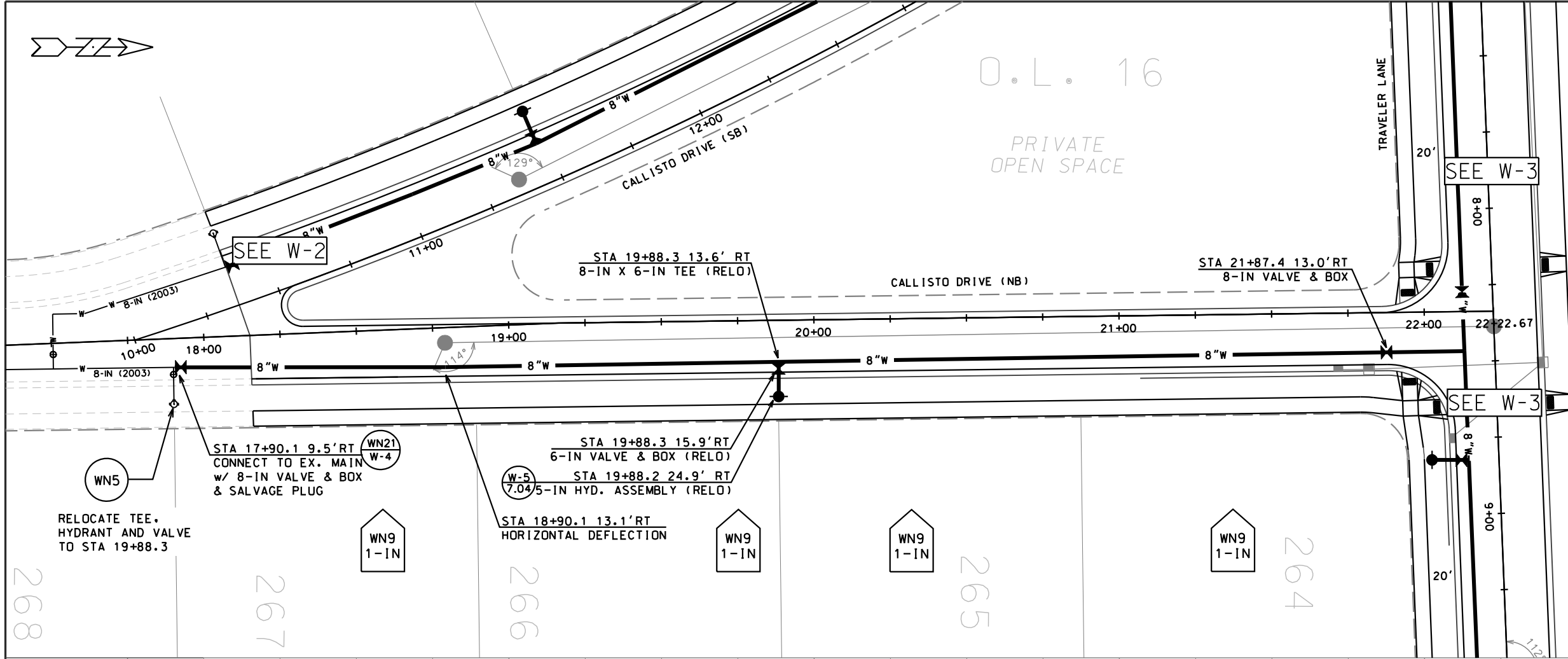
WATER PLAN AND PROFILE  
CALLISTO DRIVE (NB) CITY OF MADISON  
PM: DENNIS CAWLEY DESIGNER: KBM

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.



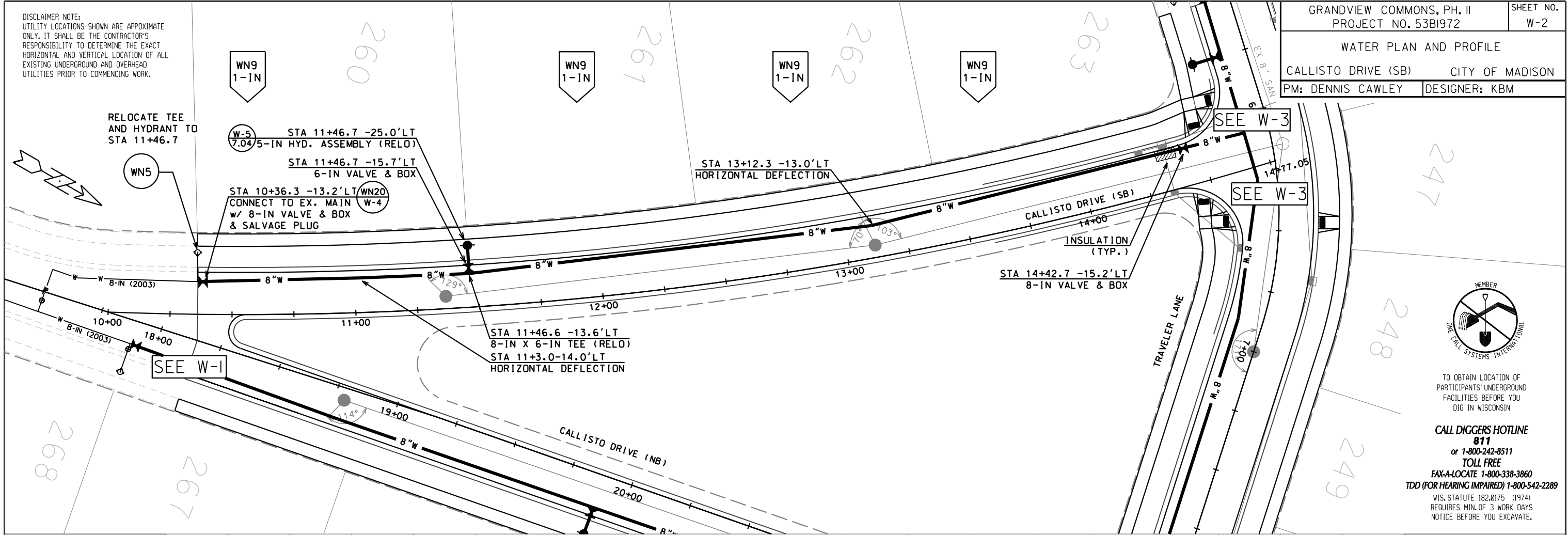
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

**CALL DIGGERS HOTLINE 811**  
or 1-800-242-8511  
**TOLL FREE**  
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.

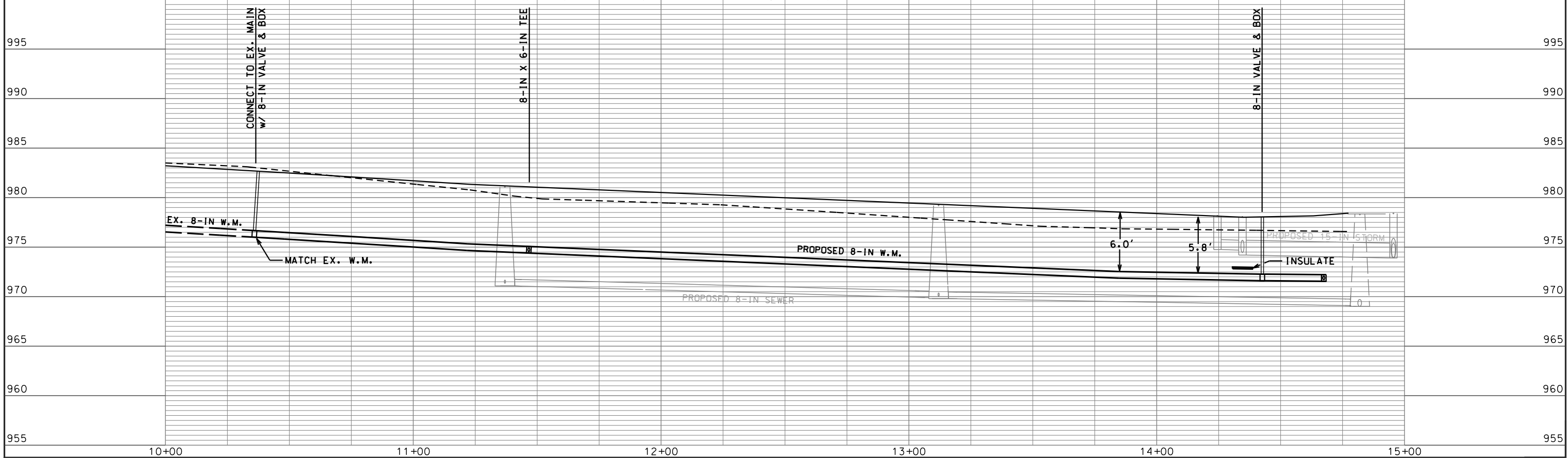


PLOT SCALE: .....  
 PLOT NAME: .....  
 REV. DATE: .....  
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

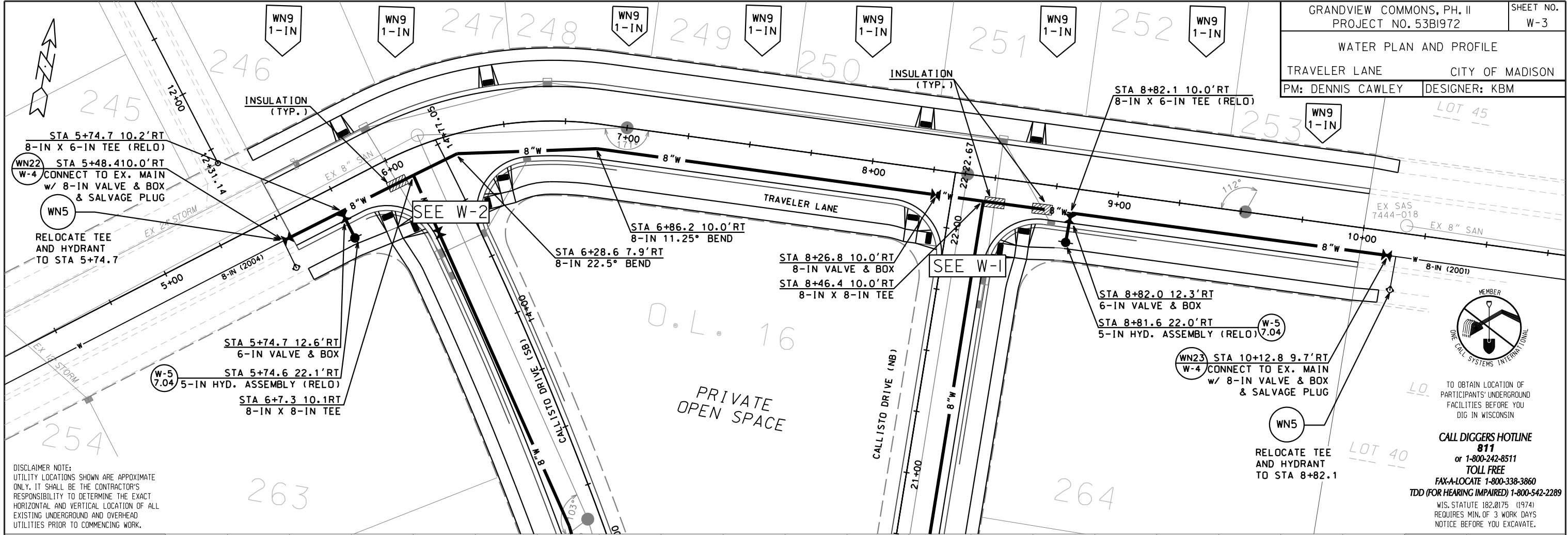
DISCLAIMER NOTE:  
 UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
**CALL DIGGERS HOTLINE 811**  
 or 1-800-242-8511  
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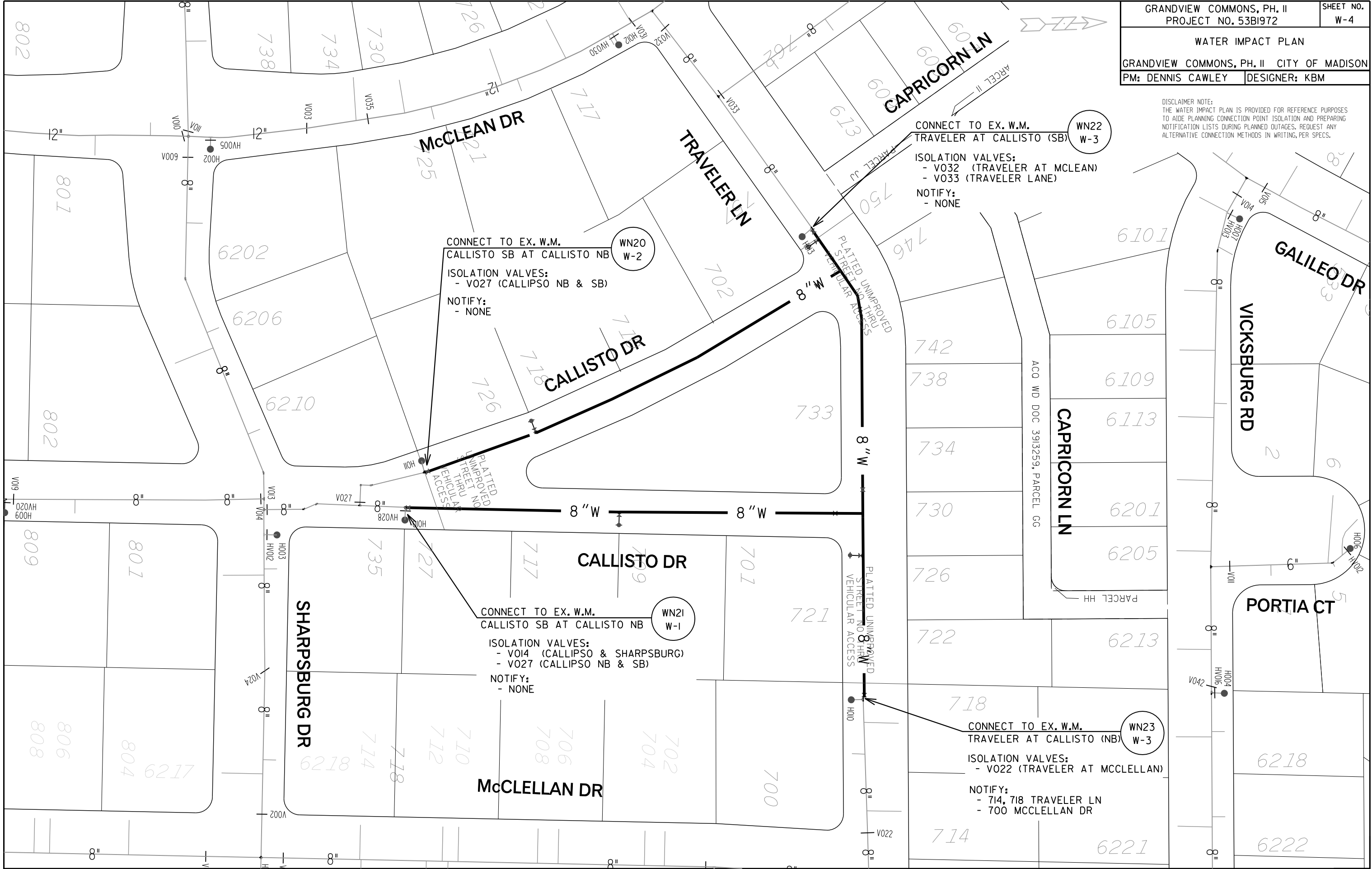
MEMBER  
 ONE CALL SYSTEMS INTERNATIONAL  
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995	CONNECT TO EX. MAIN W/ 8-IN VALVE & BOX	8-IN X 6-IN TEE	8-IN X 8-IN TEE	8-IN 22.5° BEND	8-IN 11.25° BEND	8-IN VALVE & BOX	8-IN X 8-IN TEE	8-IN X 6-IN TEE	CONNECT TO EX. MAIN W/ 8-IN VALVE & BOX	995
990										990
985										985
980										980
975	EX. 24" STORM	INSULATE	PROPOSED 8-IN W.M.	PROPOSED 18-IN STORM	INSULATE	6.0' (TYP.)	INSULATE	MATCH EX. W.M.		975
970	EX. 8-IN W.M.	EX. 8" SAN	PROPOSED 8-IN SANITARY							970
965	MATCH EX. W.M.									965
960										960
955										955

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, SIBERT'S DIVISION

**CONSTRUCTION NOTES:**

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>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.</li> <li>VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.</li> <li>MINIMIZE DISTRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.</li> <li>EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN IS TESTED AND ACCEPTED BY MADISON WATER UTILITY AND ALL SERVICES ARE RECONNECTED.</li> <li>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.</li> </ol> | <p>WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN8 ABANDON THE VALVE BOX.</p> <p>WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> |
|--|---|

**ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

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

- |                      |                               |
|----------------------|-------------------------------|
| 54' - 6-IN PIPE      | 1 - 11.25° BEND               |
| 1314' - 8-IN PIPE    | 1 - 22.5° BEND                |
| 1460' - POLYWRAP     | 48' - 2" STYROFOAM INSULATION |
| 3 - 6-IN VALVE & BOX | 1" COPPER TUBING (AS REQ'D)   |
| 7 - 8-IN VALVE & BOX |                               |
| 2 - 8-IN X 8-IN TEE  |                               |

**REMOVED/SALVAGED MATERIALS:**

- 4 - 8-IN MJ PLUG

**REUSED MATERIALS:**

- 1 - 6-IN VALVE & BOX  
4 - 8-IN X 6-IN TEE  
4 - 5-IN HYDRANT



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