

**Madison, Wisconsin**

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P3	

**INDEX OF SHEETS - UTILITIES**

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W3	HICKORY NUT & ICE POND WATER
W4	WATER IMPACT PLAN
W5	WATER ESTIMATE OF MATERIALS

# CITY OF MADISON

## CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

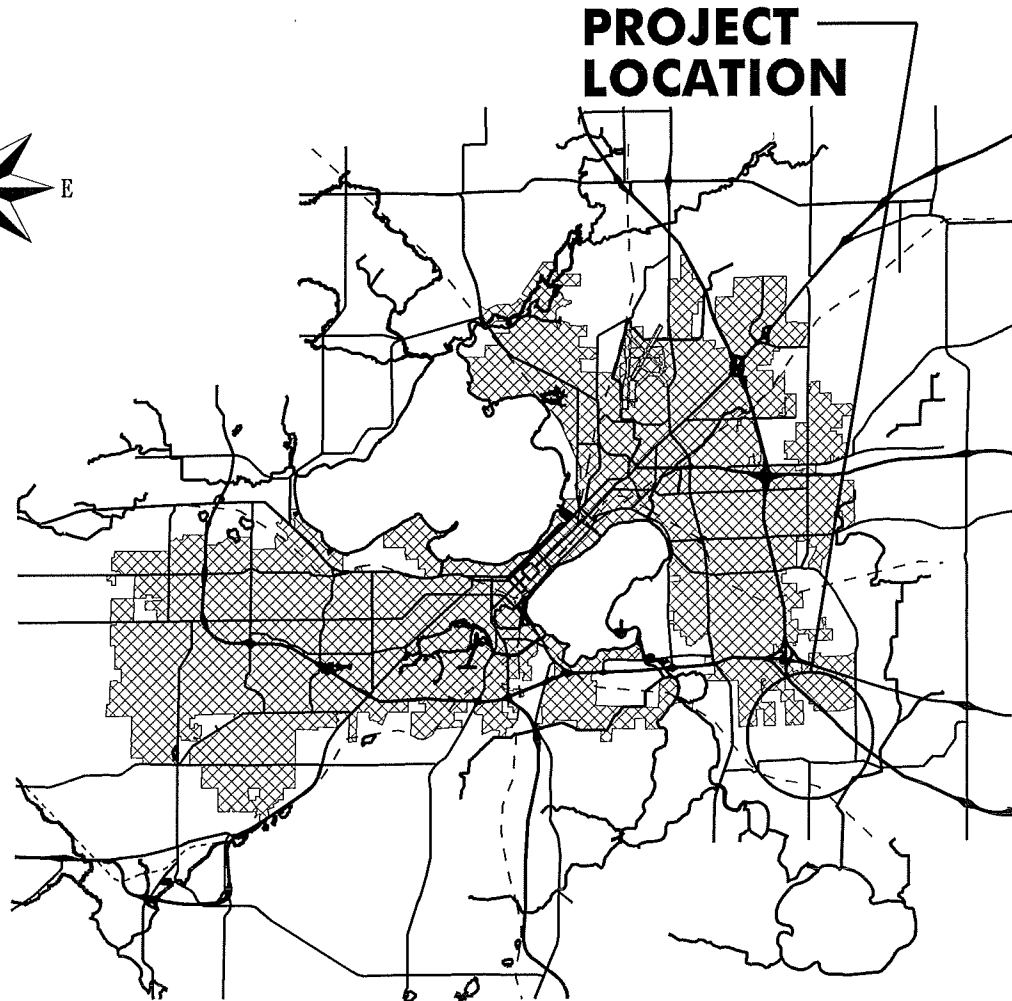
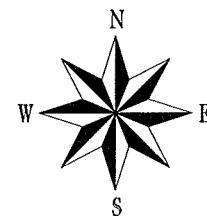
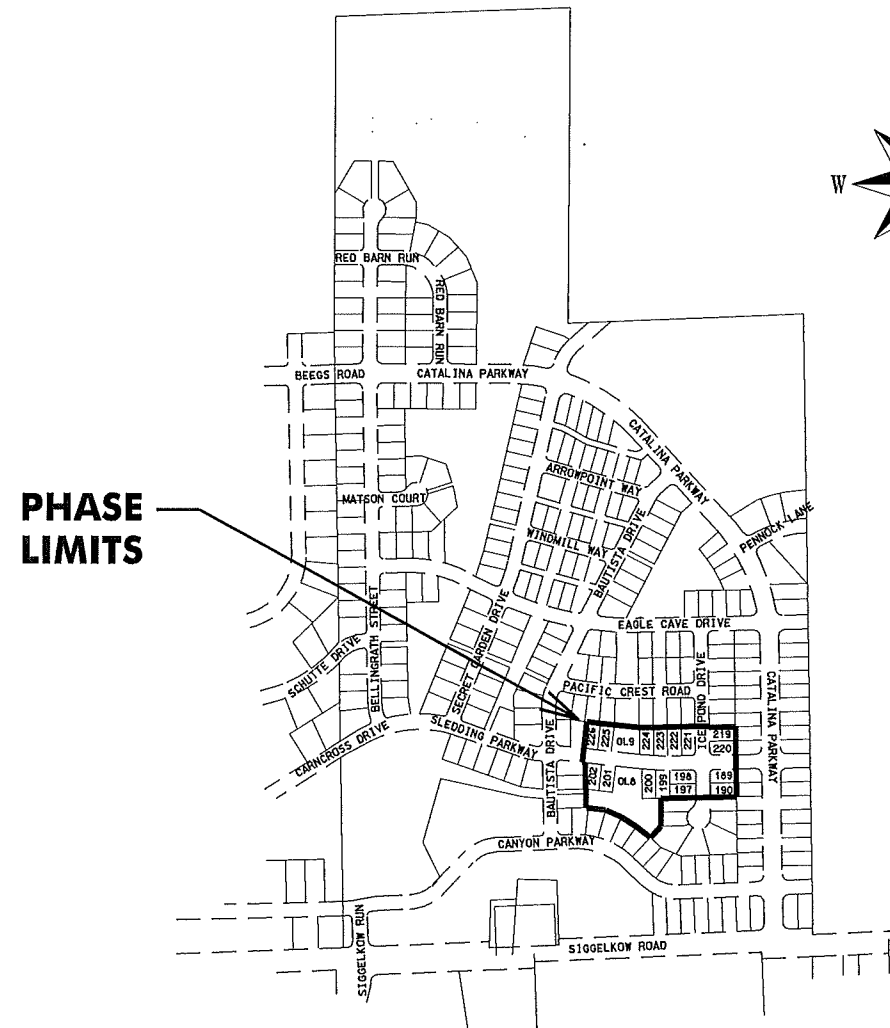
### PLAN OF PROPOSED IMPROVEMENT

# SECRET PLACES AT SIGGELKOW PRESERVE

## PHASE 8

**SLEDDING PARKWAY, ICE POND DRIVE,  
HICKORY NUT CIRCLE**

**CITY PROJECT NO. 53B2318  
CONTRACT NO. 2318**



PUBLIC IMPROVEMENT PROJECT APPROVED

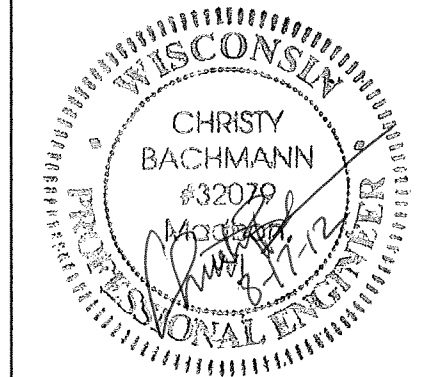
AUGUST 9, 2012

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*[Signature]* 8/17/12  
City Engineer Date

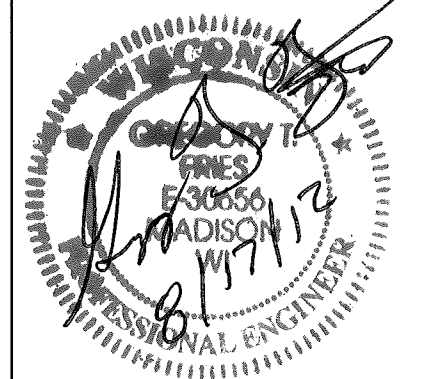
STREET GRADES  
DESIGNED BY:



CIVIL ENGINEER

GEOMETRICS  
DESIGNED BY:

STORM SEWER  
DESIGNED BY:

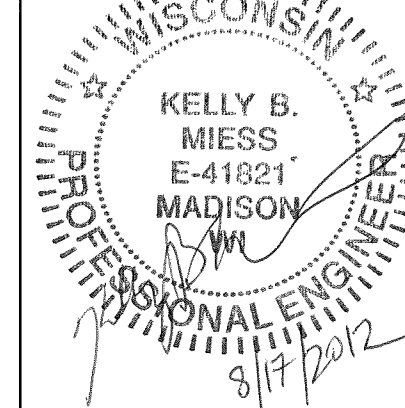


CIVIL ENGINEER

TRAFFIC ENGINEER

WATER  
DESIGNED BY:

SANITARY SEWER  
DESIGNED BY:



CIVIL ENGINEER



CIVIL ENGINEER

## DETAILS

STANDARD NOTES  
AND COMMENTS

CITY OF MADISON

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 IN THE SLEDDING PARKWAY RIGHT OF WAY SHALL BE TYPE "B" AND ALL OTHER PAVEMENT SHALL BE TYPE "A" PER STANDARD DETAIL DRAWING 4.02.

ALL ISLANDS SHALL HAVE TYPE "E" C & G PER S.D.D. 3.08 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.

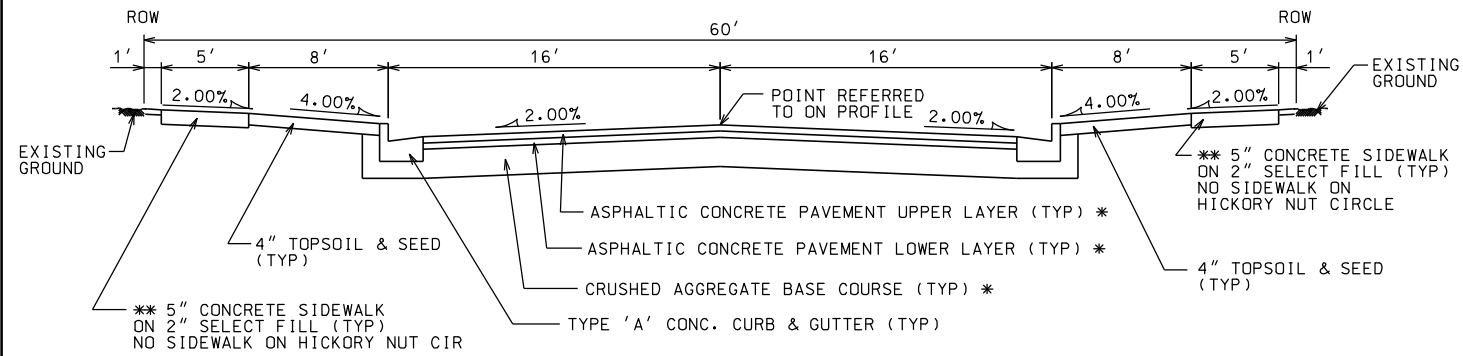
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE: .....

PLOT NAME: .....

REV. DATE: .....

PLOT SCALE: \_\_\_\_\_  
PLOT NAME: \_\_\_\_\_  
REV. DATE: \_\_\_\_\_



TYPICAL SECTION  
SLEDDING PKWY & ICE POND DR  
NOT TO SCALE

NOTES:

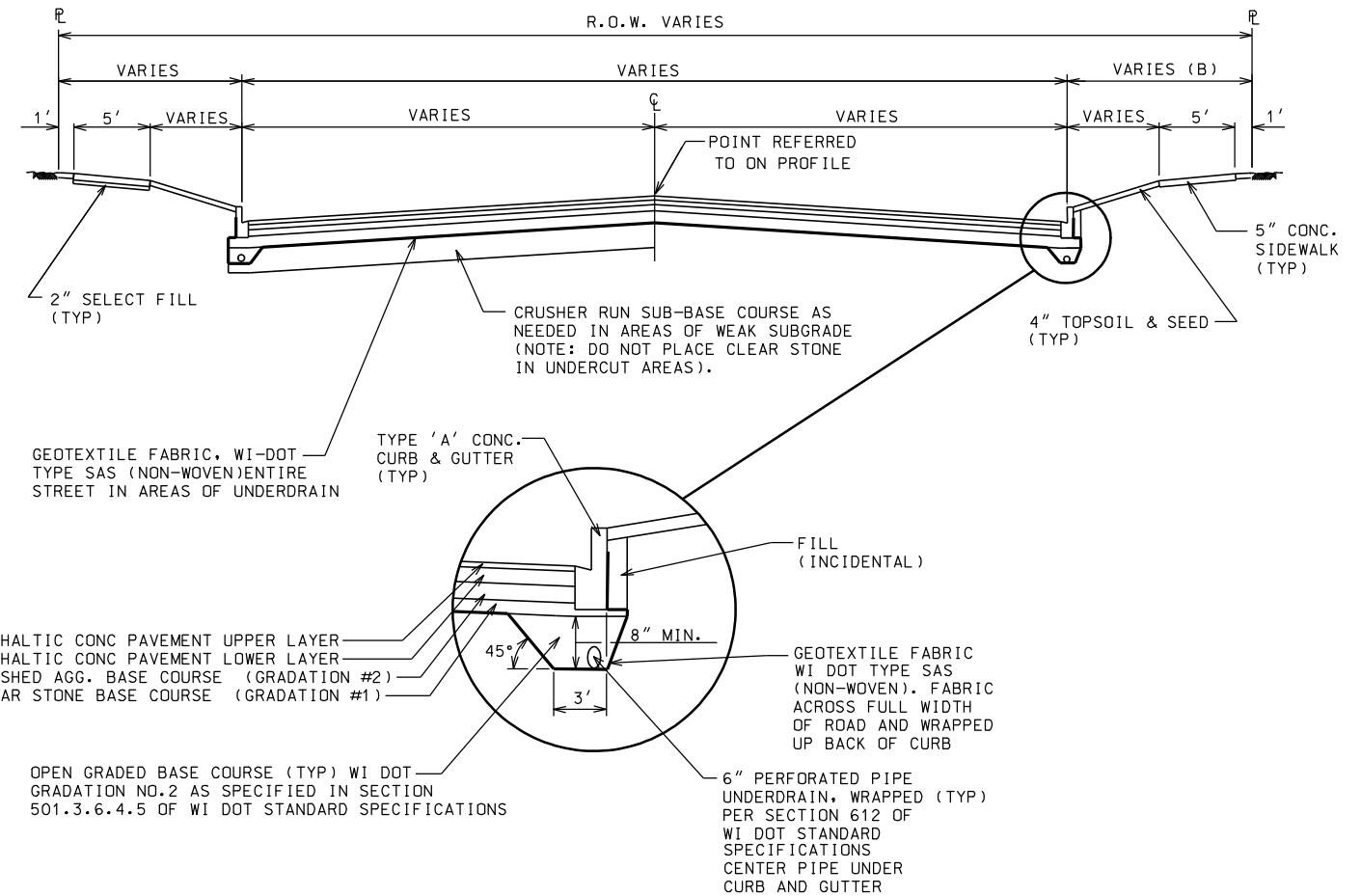
\* A PAVEMENT DESIGN IN ACCORDANCE WITH STANDARD DETAIL DRAWING 4.06 IS REQUIRED ON ALL PROJECTS

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

\*CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGGREGATE 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	2.5"	E-1	1.75"
C	6"	4"	E-3	3.50"	E-3	1.75"

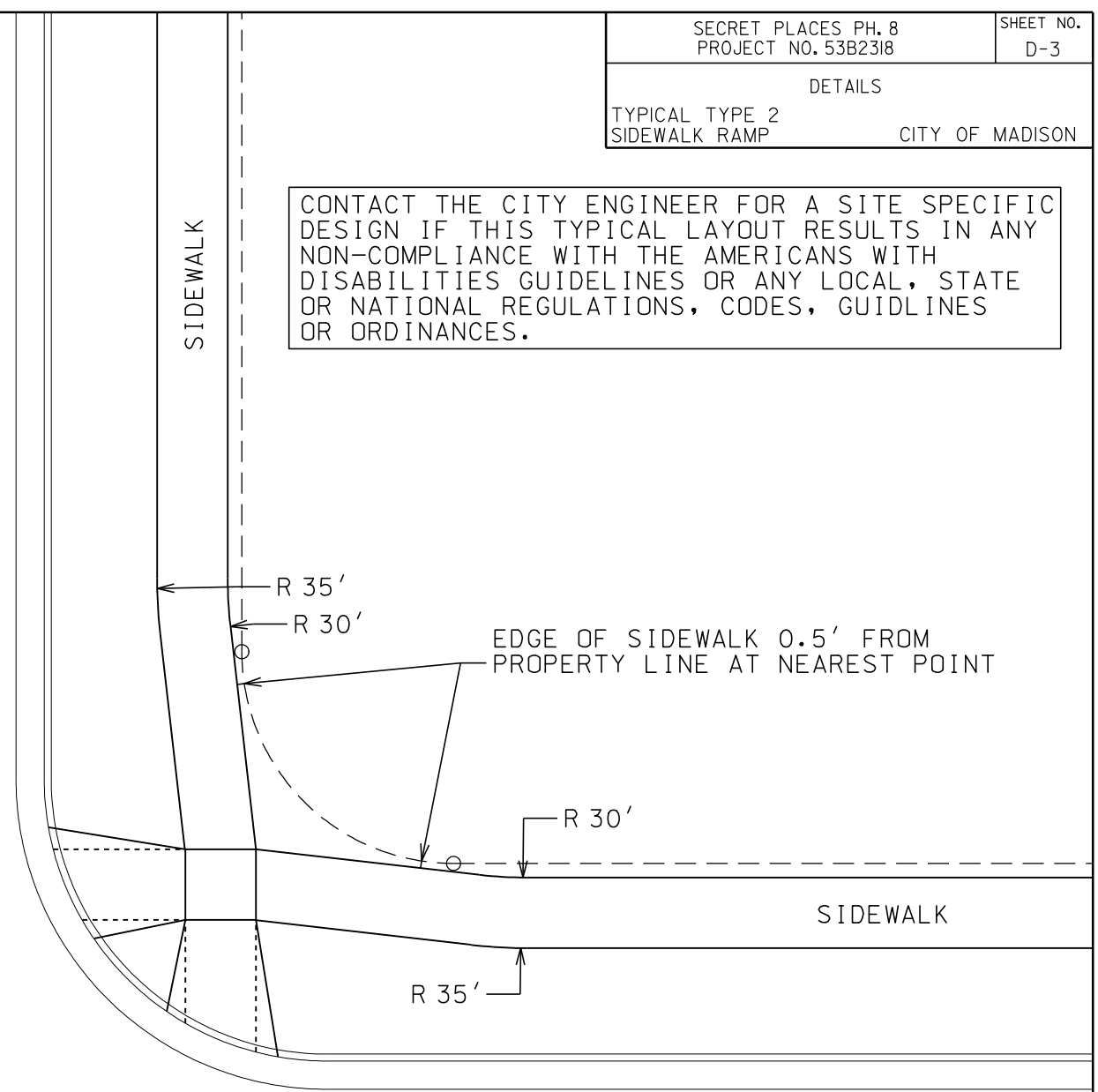
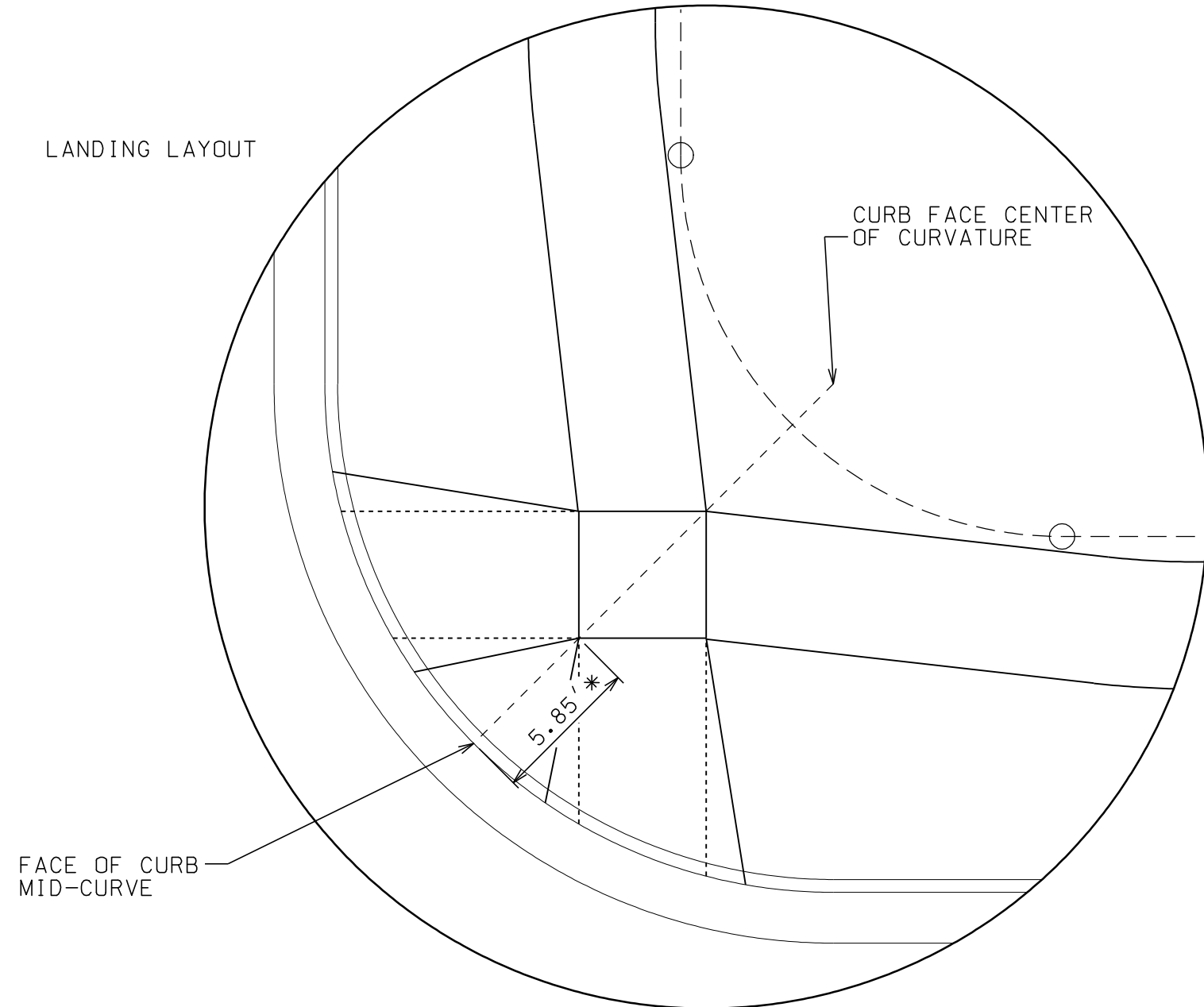
UNDERDRAIN INSTALLATION



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



\* THE NEAR CORNER OF THE LANDING SHALL BE 5.85' FROM THE FACE OF CURB, UNLESS SPECIFIED OTHERWISE ON THE PLAN. BOTH OPPOSITE CORNERS OF THE LANDING SHALL BE LOCATED ON THE FACE OF CURB RADIUS LINE WHICH PASSES THROUGH THE MIDPOINT OF THE CURB CURVATURE.

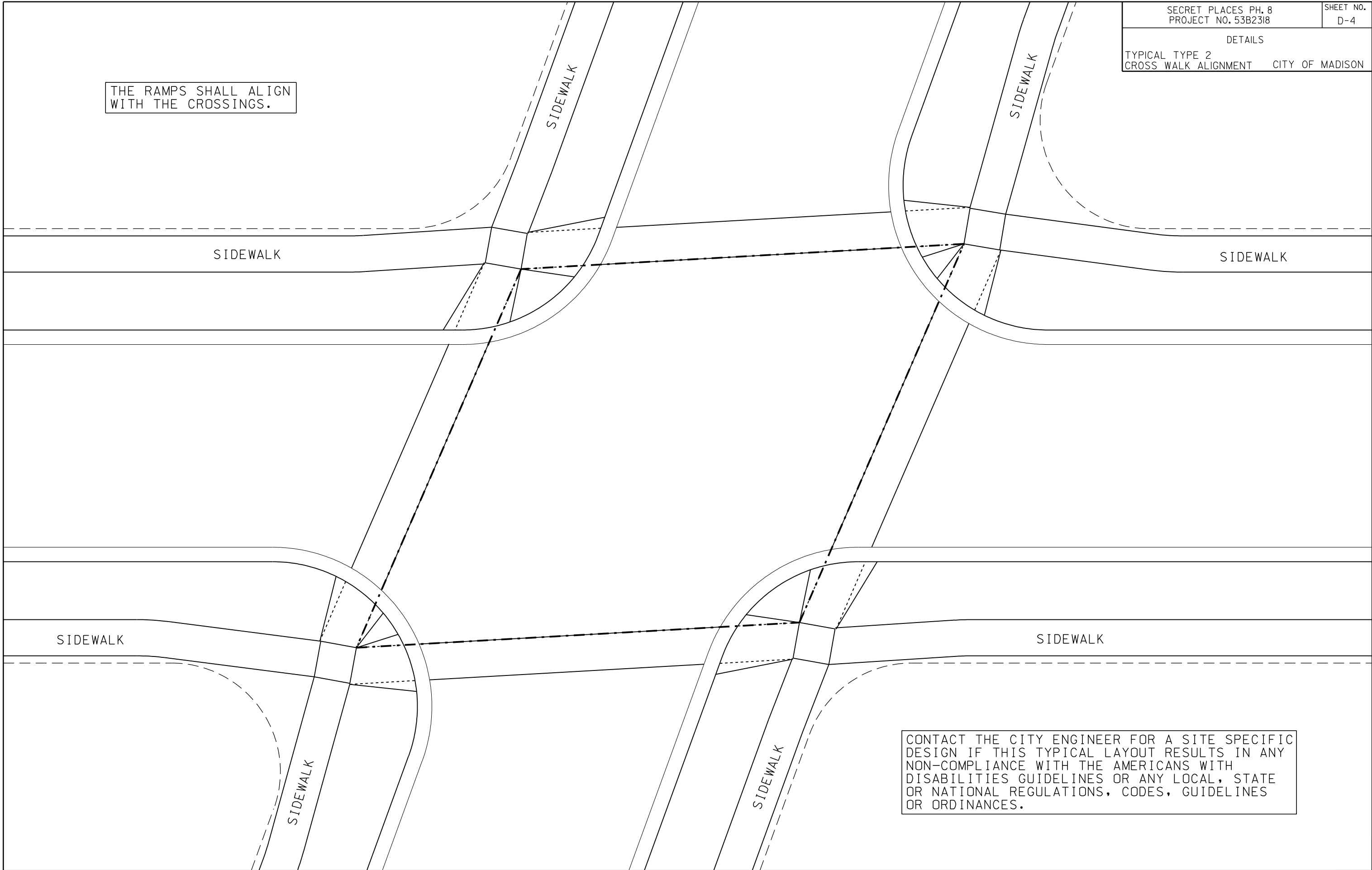
LONGITUDINAL RAMP GRADES SHALL NOT EXCEED 1"/12" NOR BE LESS THAN 2.0% AT ANY POINT. THIS NOTE SHALL TAKE PRECEDENCE OVER ANY ELEVATION OR GRADE INDICATED ON THE PLAN.

SIDEWALK LONGITUDINAL GRADES AT ALL LOCATIONS OTHER THAN RAMPS AND WHERE STREET GRADES ARE MORE THAN 5.0% SHALL NOT EXCEED 5.0%. WHERE STREET GRADES EXCEED 5.0%, THE SIDEWALK LONGITUDINAL GRADE SHALL NOT EXCEED THE STREET GRADE.

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

THE RAMPS SHALL ALIGN  
WITH THE CROSSINGS.



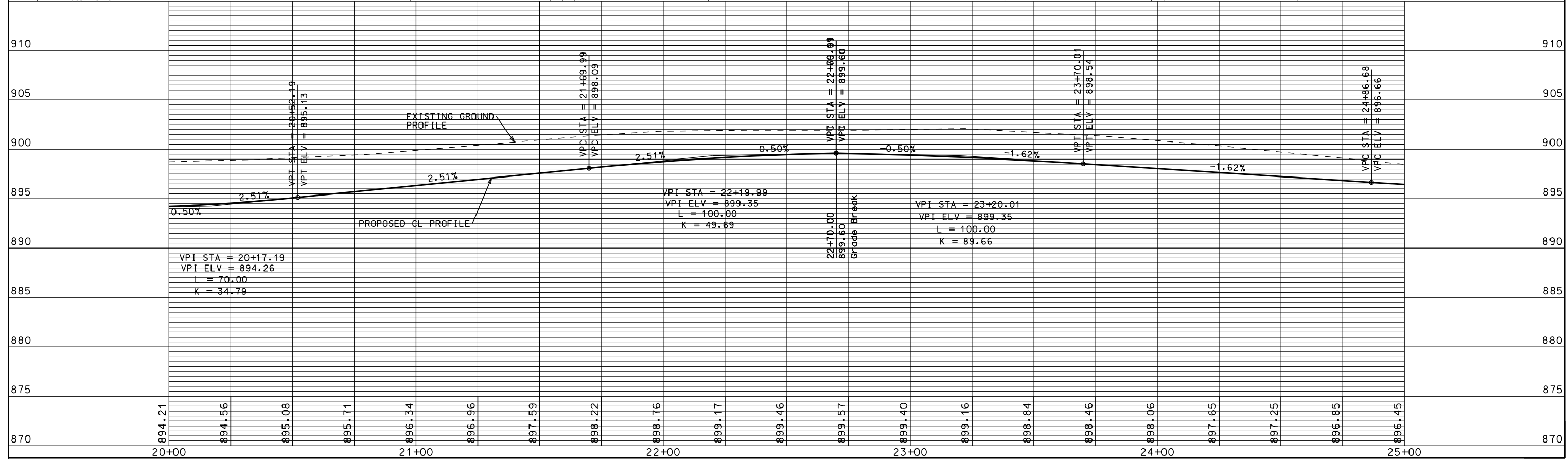
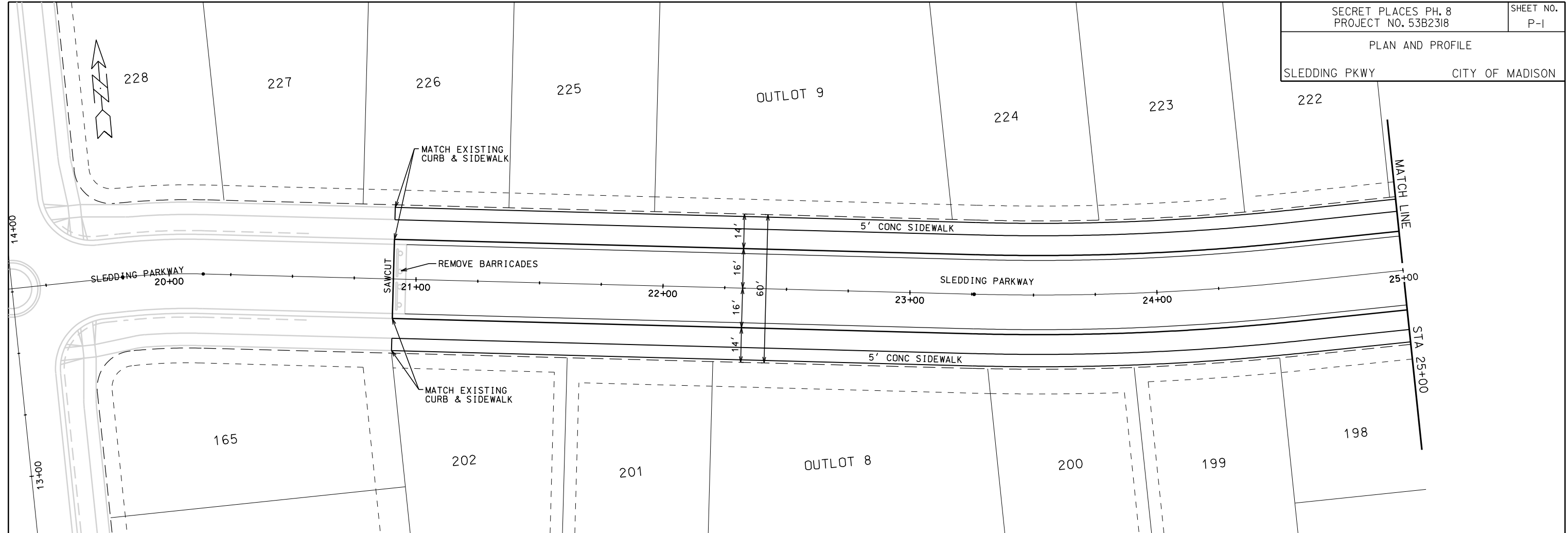
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NON-COMPLIANCE WITH THE AMERICANS WITH  
DISABILITIES GUIDELINES OR ANY LOCAL, STATE  
OR NATIONAL REGULATIONS, CODES, GUIDELINES  
OR ORDINANCES.

PLOT SCALE: .....

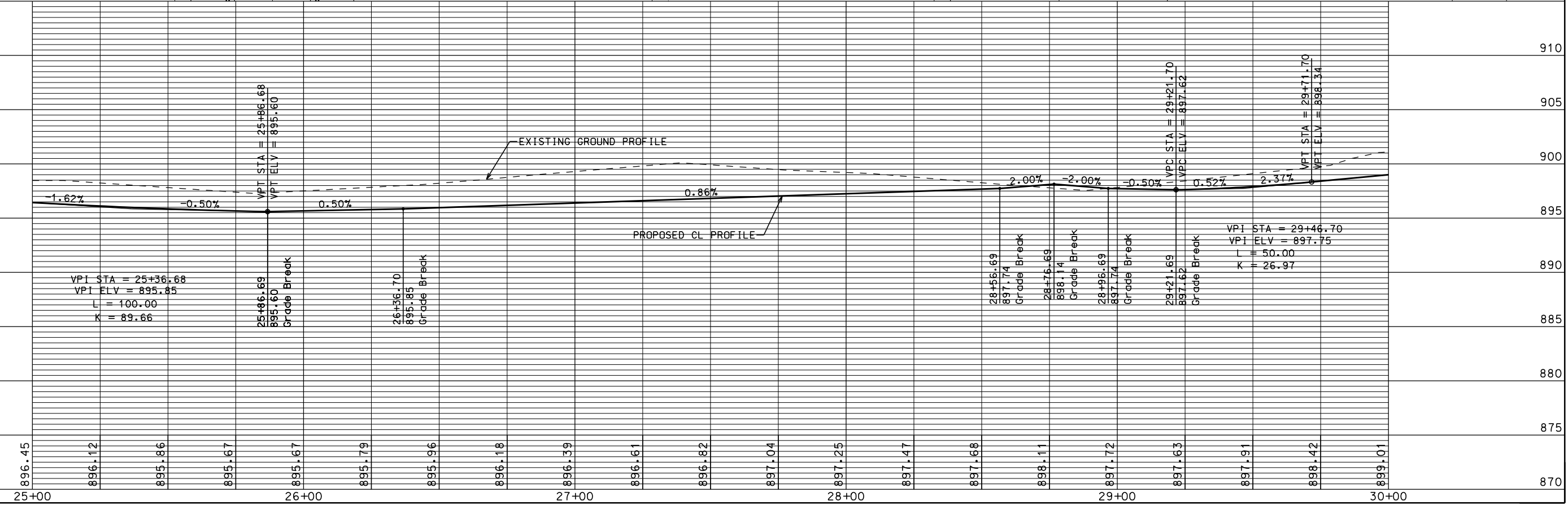
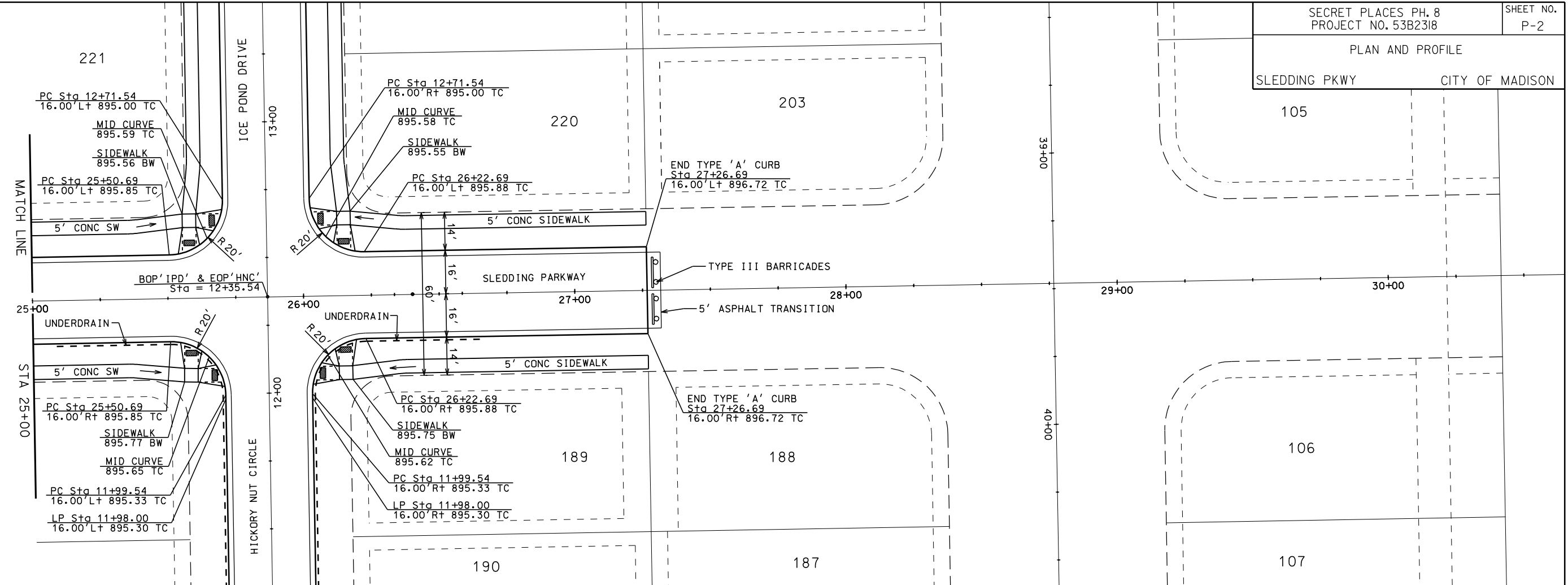
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



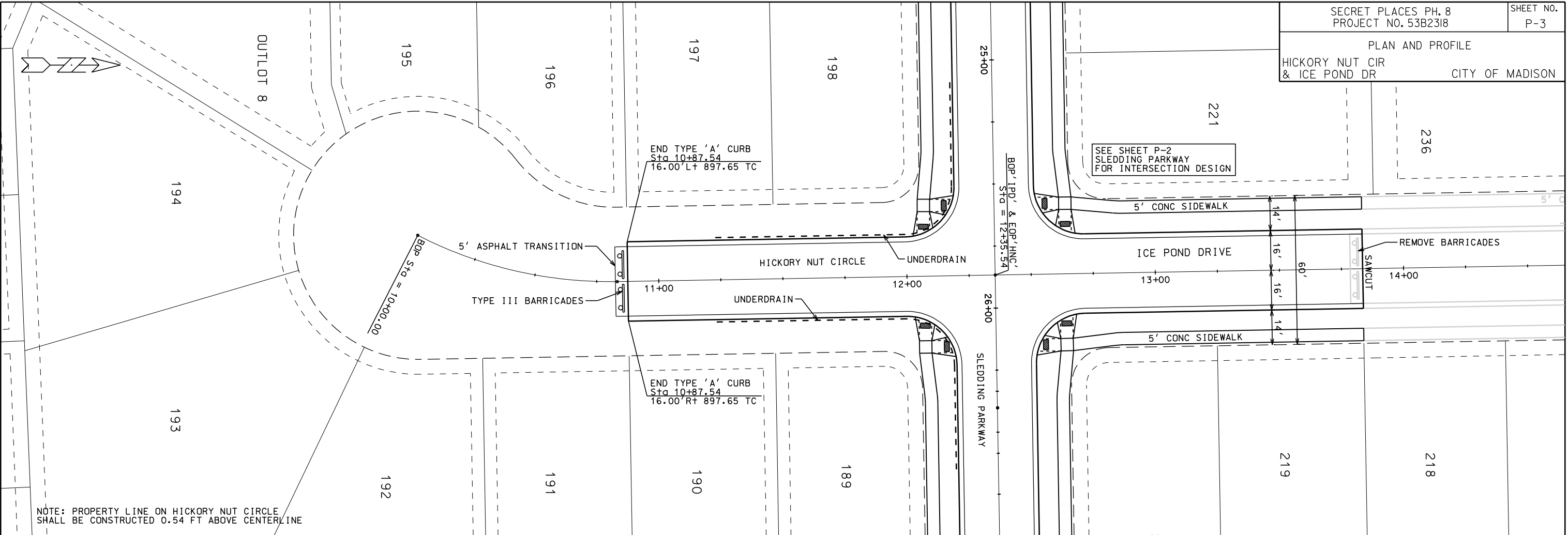
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



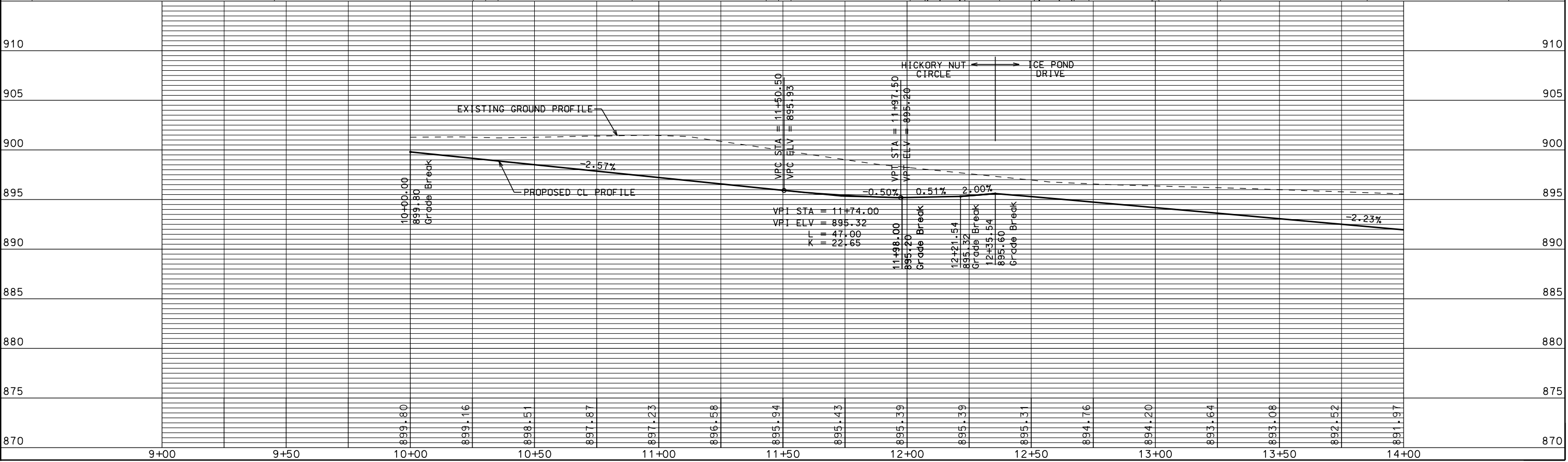
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PLOT NAME: .....  
REV. DATE: .....

ORIGINATOR: CITY\_OF\_MADISON\_STREETS\_DIVISION

PLAN AND PROFILE  
HICKORY NUT CIR  
& ICE POND DR  
CITY OF MADISON



NOTE: PROPERTY LINE ON HICKORY NUT CIRCLE SHALL BE CONSTRUCTED 0.54 FT ABOVE CENTERLINE



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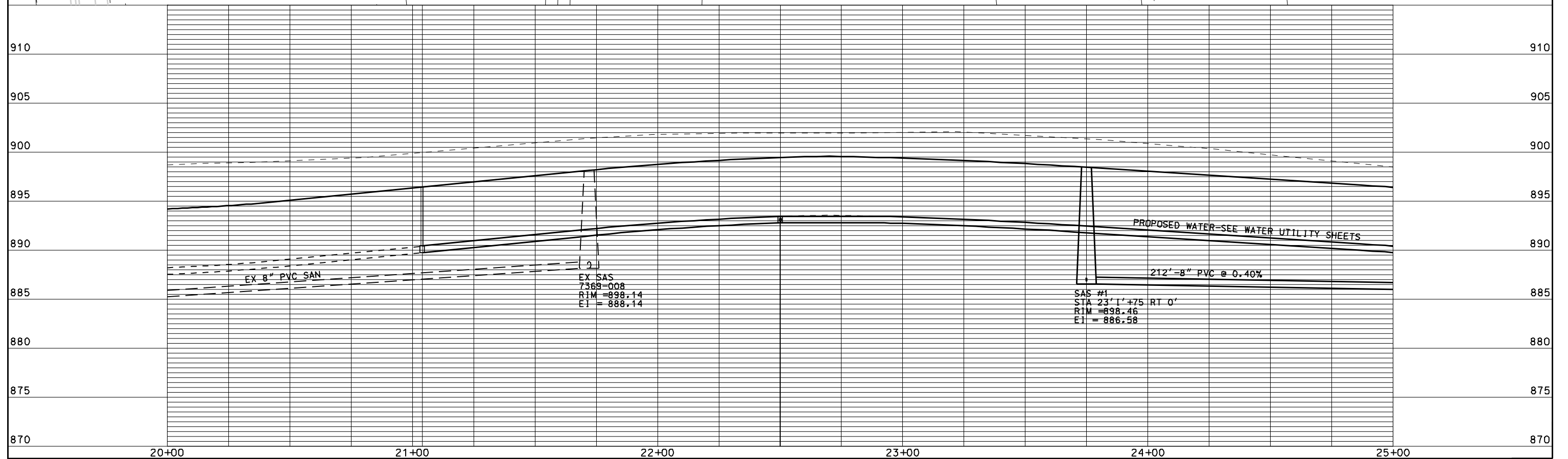
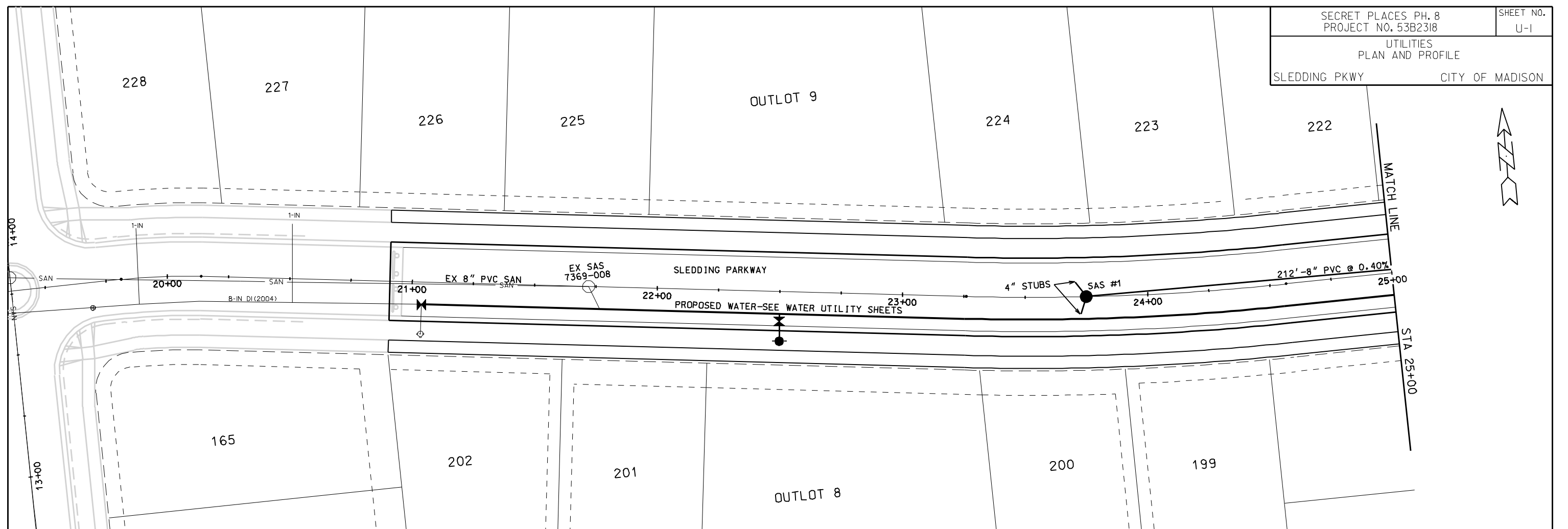
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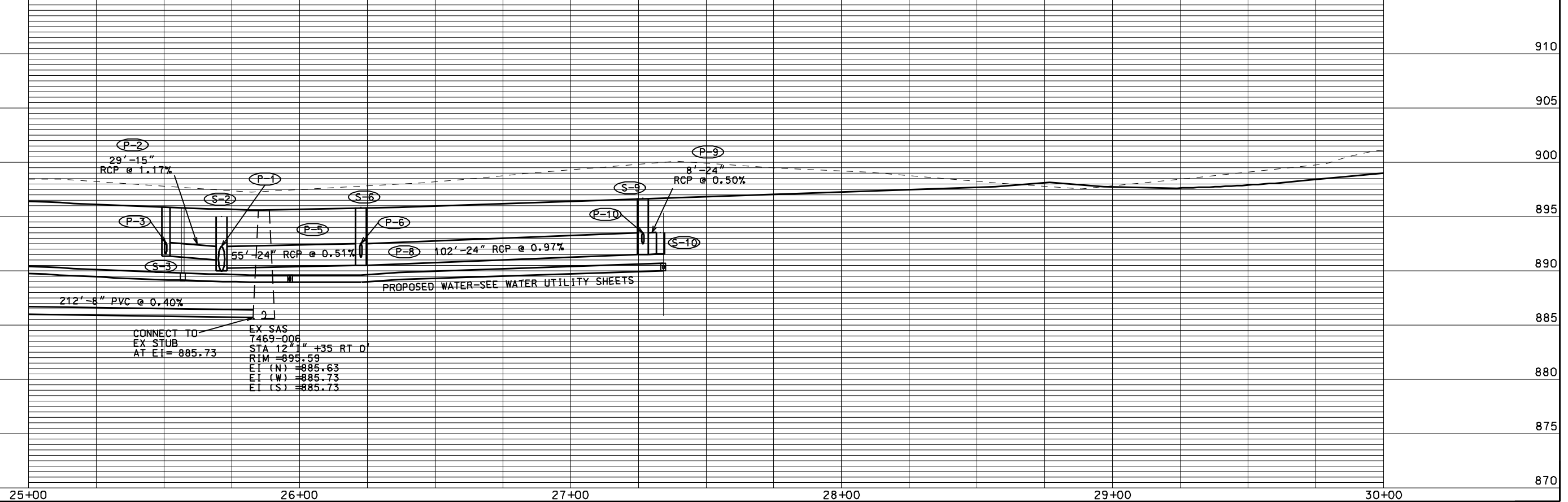
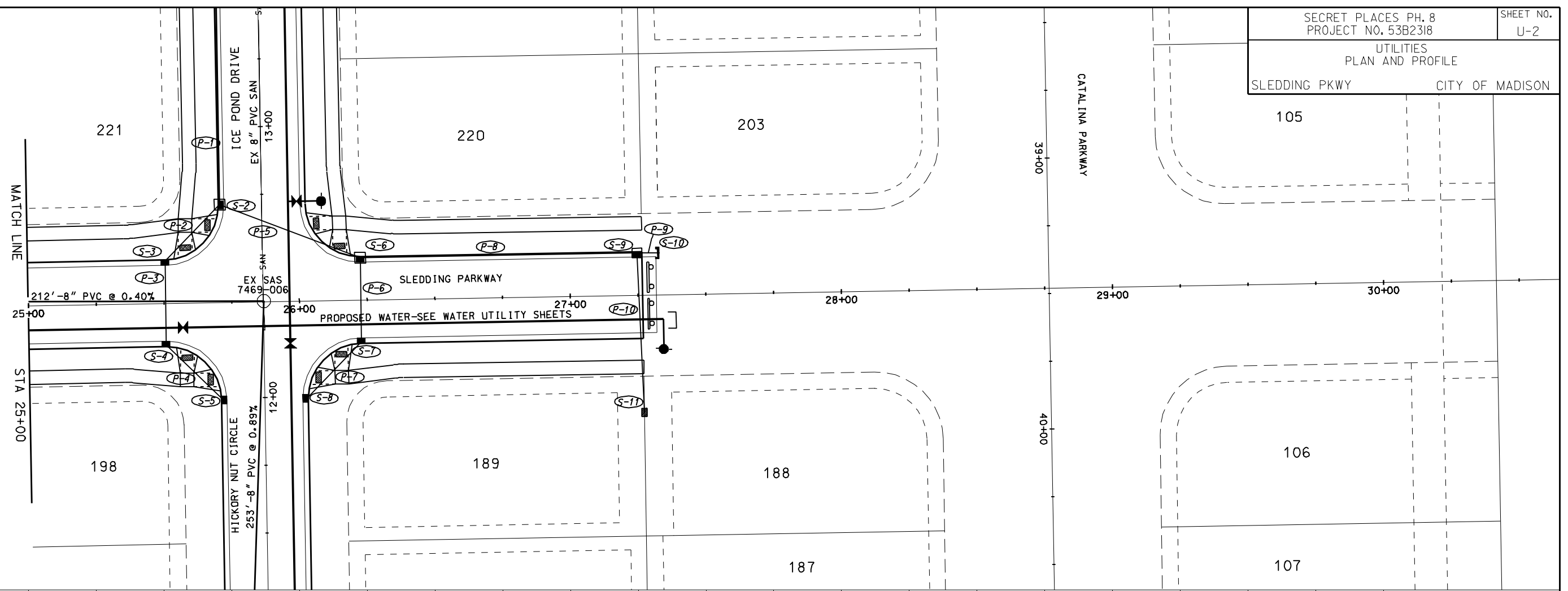
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



UTILITIES  
PLAN AND PROFILE  
SLEDDING PKWY CITY OF MADISON



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

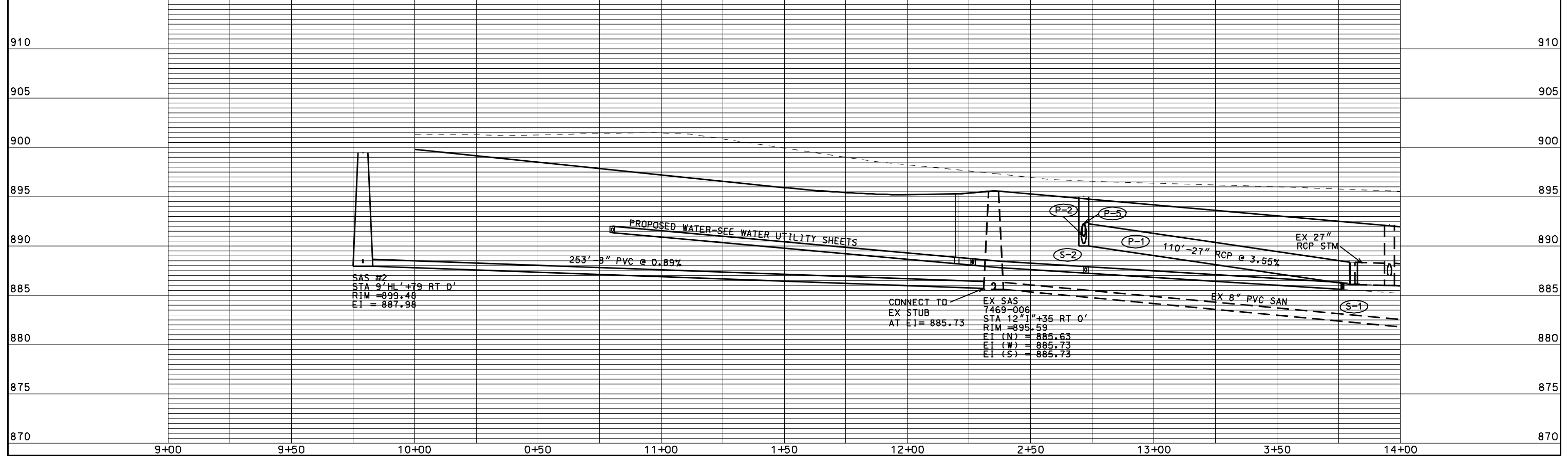
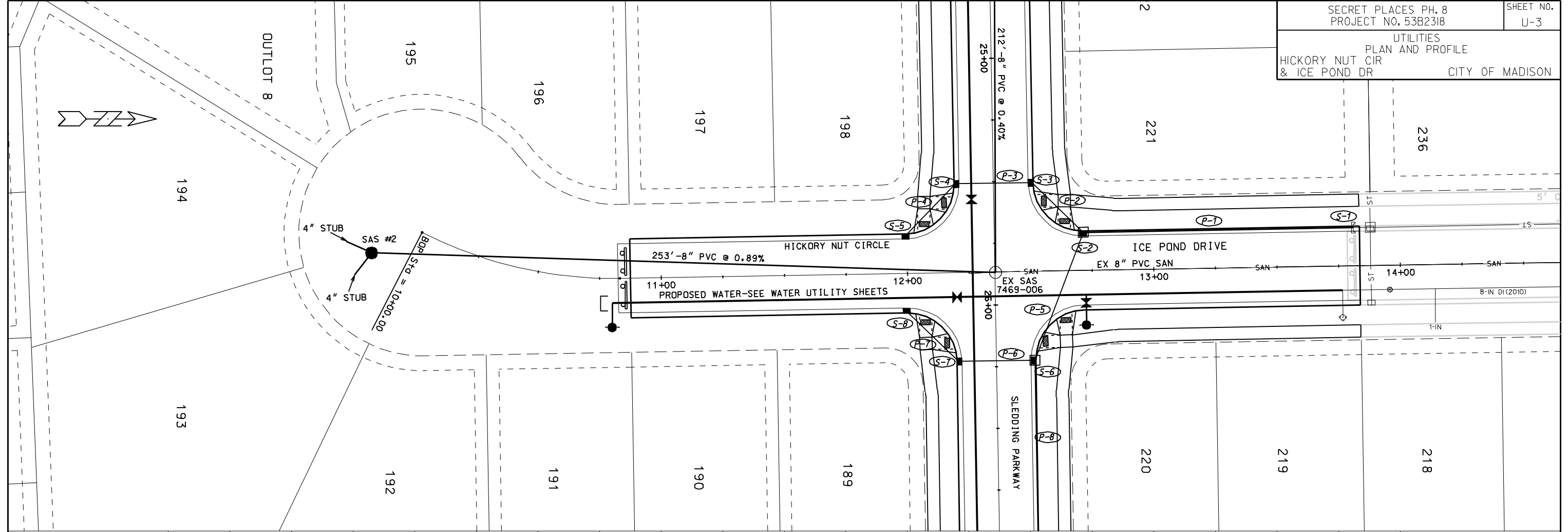


PLOT SCALE: 1" = 40'

PLOT NAME: SLEDDING PKWY

REV. DATE: 8/20/2012

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SAS #2  
STA 9' HL' +79 RT 0'  
RIM = 899.48  
EI = 887.98

CONNECT TO  
EX STUB  
AT EI = 885.73

EX SAS  
7469-006  
STA 12' HL' +35 RT 0'  
RIM = 895.59  
EI (N) = 885.63  
EI (W) = 885.73  
EI (S) = 885.73

EX 8" PVC SAN

EX 27" RCP STM

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# STORM SEWER SCHEDULE

## ALIGNMENT CODES:

"SP"=SLEDDING PARKWAY  
 "IP"=ICE POND DRIVE  
 "HN"=HICKORY NUT CIRCLE

SECRET PLACES PHASE 8  
 PROJECT NO. 53B2318

SHEET NO.  
 U-4

STORM SEWER SCHEDULE CITY OF MADISON

### STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	13'IP'+81.13	LT-15.50	CONCRETE COLLAR	-	886.10	-	REMOVE EX PIPE PLUG
S-2	12'IP'+71.54	LT-15.50	4X4 SAS	895.00	890.00	5.00	W/ R-3067-7004
S-3	25'SP'+50.69	LT-15.50	H INLET	895.85	891.34	4.51	W/ R-3067-7004
S-4	25'SP'+50.69	RT-15.50	H INLET	895.85	891.75	4.10	W/ R-3067-7004
S-5	11'HN'+98.00	LT-15.50	H INLET	895.30	891.90	3.40	LP; W/ R-3067-7004
S-6	26'SP'+22.69	LT-15.50	4X4 SAS	895.88	890.53	5.35	W/ R-3067-7004
S-7	26'SP'+22.69	RT-15.50	H INLET	895.88	891.50	4.38	W/ R-3067-7004
S-8	11'HN'+98.00	RT-15.50	H INLET	895.30	891.90	3.40	LP; W/ R-3067-7004
S-9	27'SP'+26.69	LT-15.50	4X4 SAS	896.72	891.52	5.20	W/ R-3067-7004
S-10	27'SP'+33.15	LT-15.50	PIPE PLUG	-	891.56	-	-
S-11	27'SP'+26.64	RT-43.38	H INLET	896.20	892.82	3.38	W/ R-1878-B7G

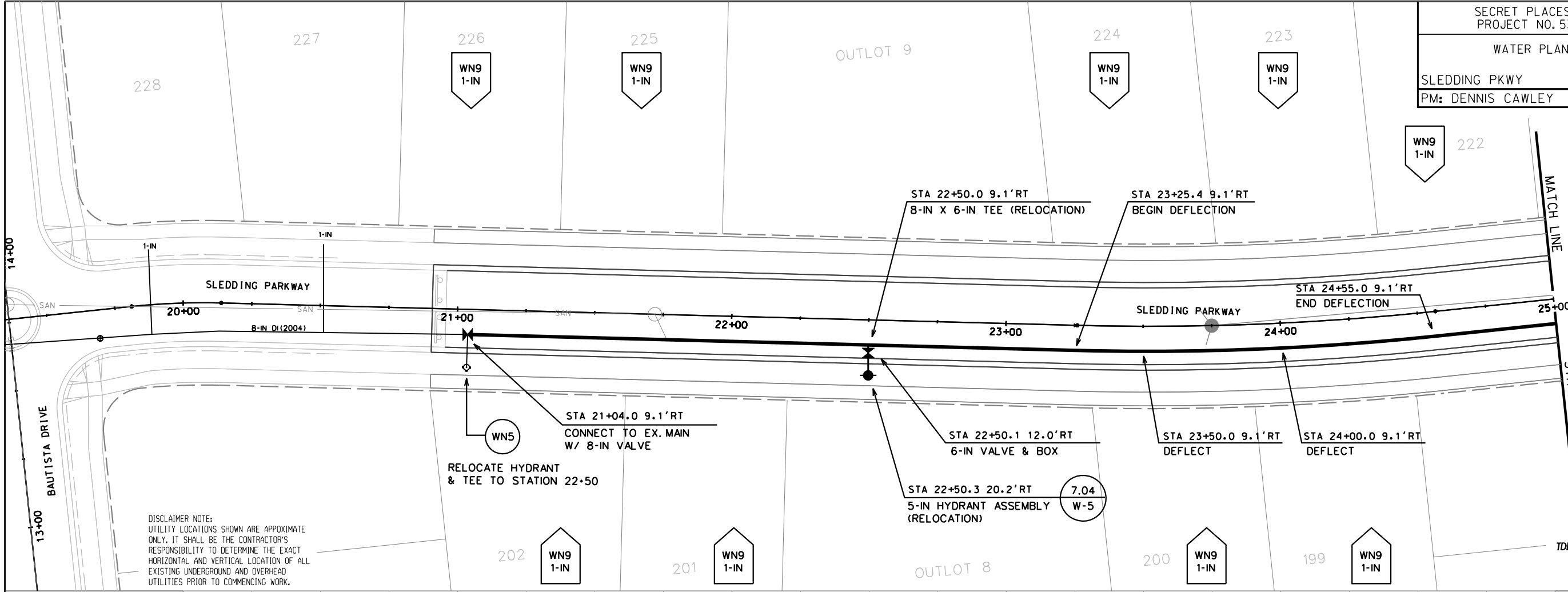
### PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	110	886.10	890.00	3.55%	27"	RCP	-
P-2	S-2	S-3	29	891.00	891.34	1.17%	15"	RCP	-
P-3	S-3	S-4	31	891.59	891.75	0.52%	12"	RCP	-
P-4	S-4	S-5	29	891.75	891.90	0.52%	12"	RCP	-
P-5	S-2	S-6	55	890.25	890.53	0.51%	24"	RCP	-
P-6	S-6	S-7	31	891.28	891.50	0.71%	15"	RCP	-
P-7	S-7	S-8	29	891.75	891.90	0.52%	12"	RCP	-
P-8	S-6	S-9	102	890.53	891.52	0.97%	24"	RCP	-
P-9	S-9	S-10	8	891.52	891.56	0.50%	24"	RCP	-
P-10	S-9	S-11	59	892.52	892.82	0.51%	12"	RCP	-

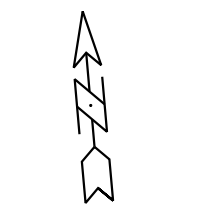
### SPECIFIC NOTES

### 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.



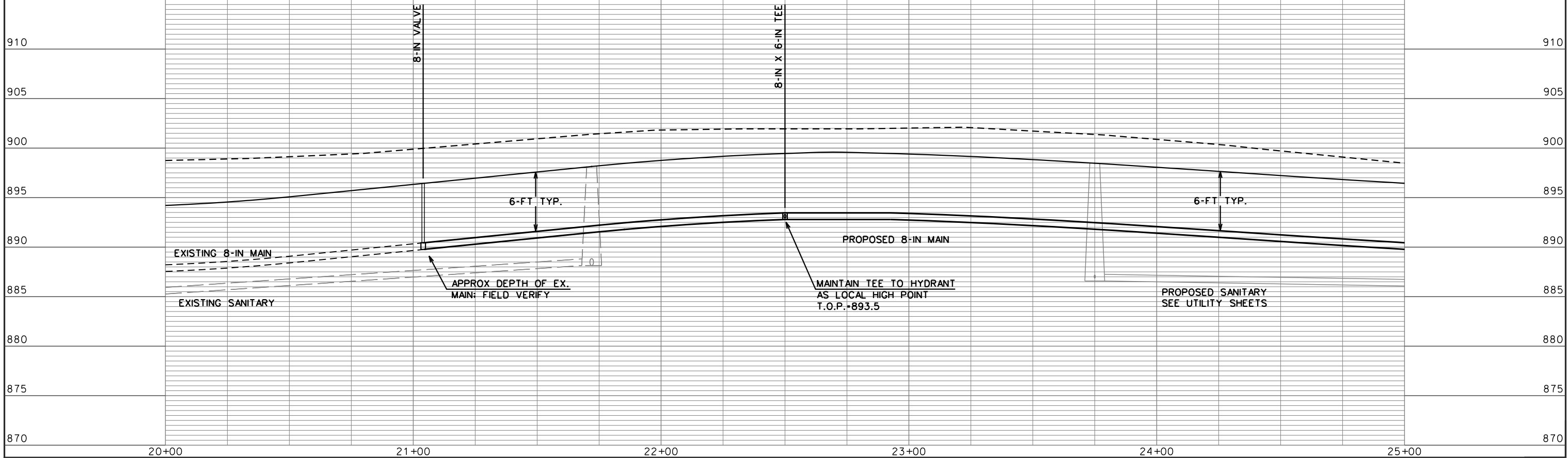
DISCLAIMER NOTE:  
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.



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

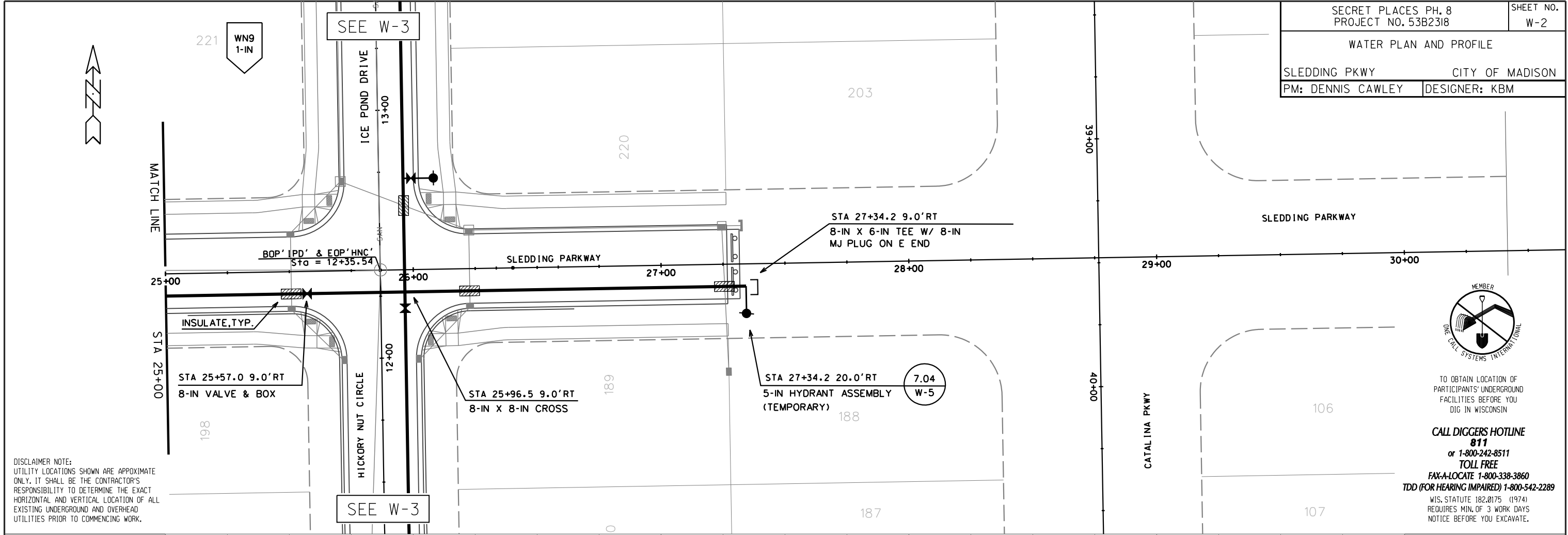
**CALL DIGGERS HOTLINE 811**  
or 1-800-242-8511  
TOLL FREE  
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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

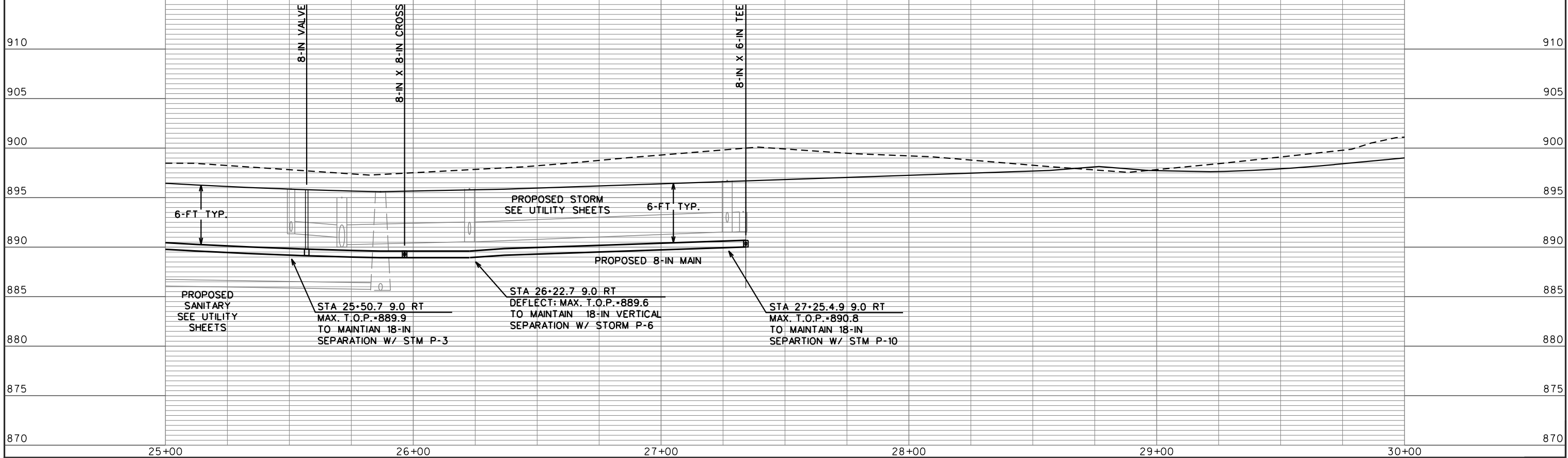


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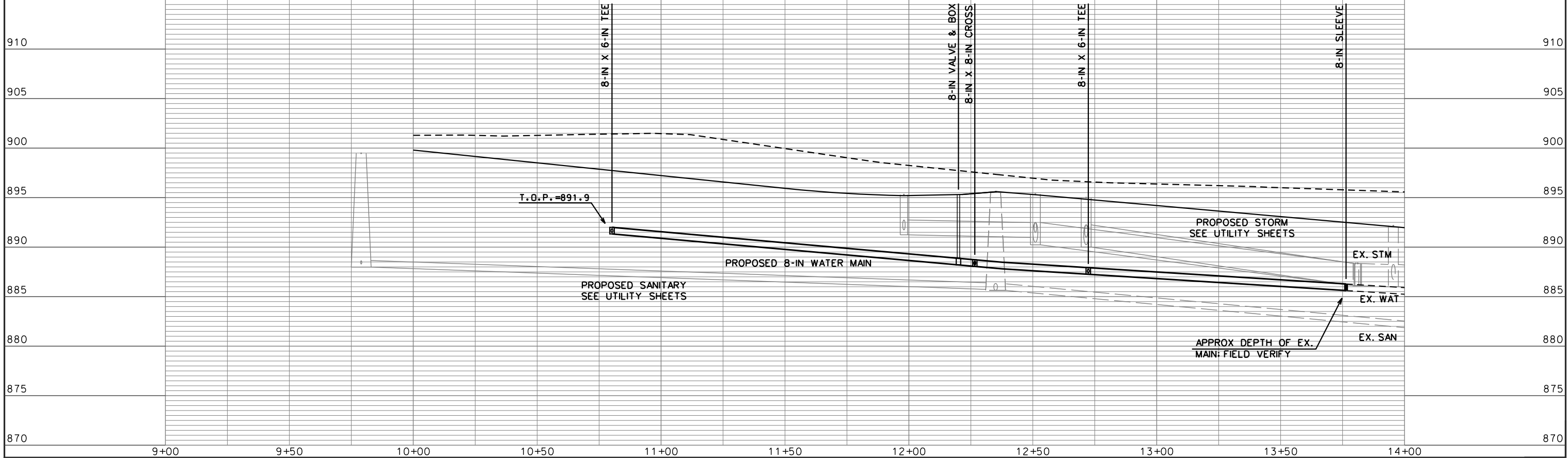
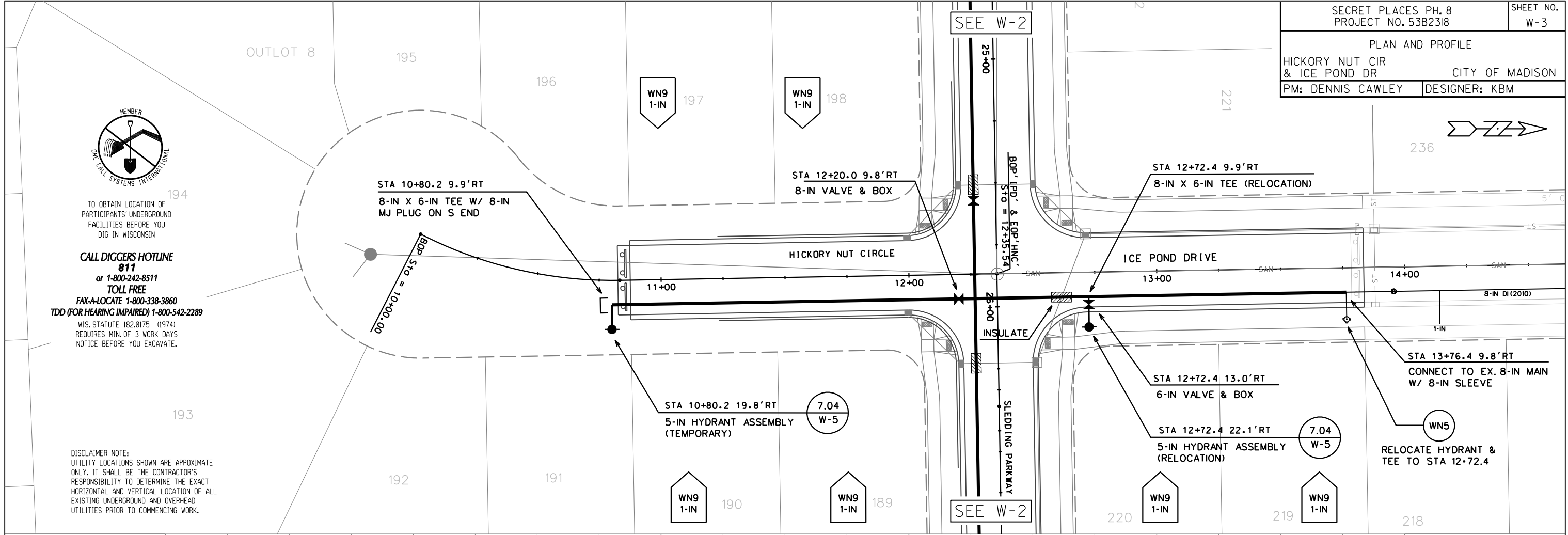


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PLOT SCALE: .....  
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811  
or 1-800-242-8511  
TOLL FREE

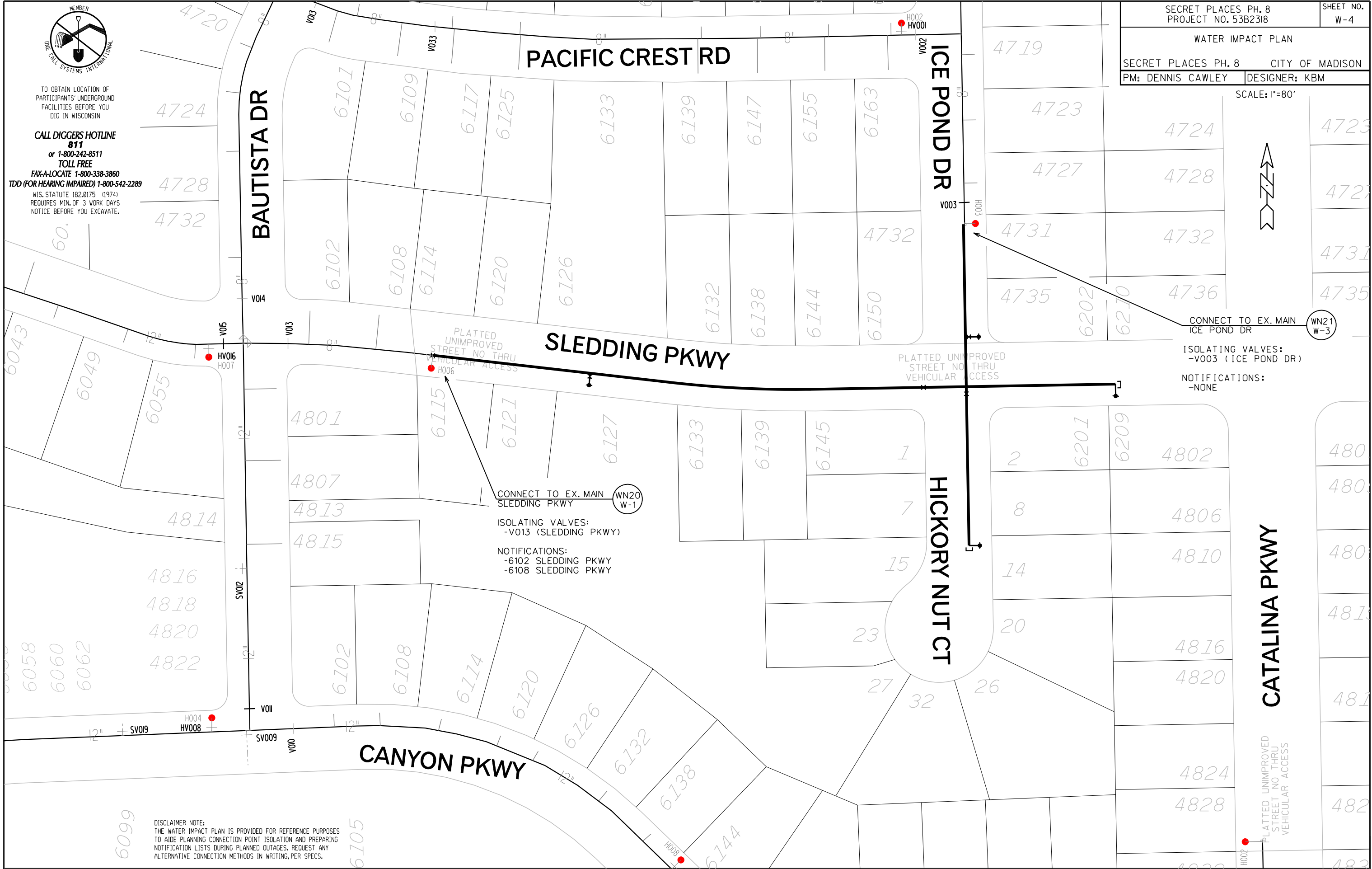
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289  
WIS. STATUTE 182.0175 (1974)  
REQUIRES MIN. OF 3 WORK DAYS  
NOTICE BEFORE YOU EXCAVATE.

SECRET PLACES PH. 8 PROJECT NO. 53B2318		SHEET NO. W-4
WATER IMPACT PLAN		
SECRET PLACES PH. 8		CITY OF MADISON
PM: DENNIS CAWLEY	DESIGNER: KBM	

SCALE: 1"=80'



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



CONNECT TO EX. MAIN  
SLEDDING PKWY (WN20 W-1)

ISOLATING VALVES:  
-V013 (SLEDDING PKWY)

NOTIFICATIONS:  
-6102 SLEDDING PKWY  
-6108 SLEDDING PKWY

CONNECT TO EX. MAIN  
ICE POND DR (WN21 W-3)

ISOLATING VALVES:  
-V003 (ICE POND DR)

NOTIFICATIONS:  
-NONE

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.



**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.

- |                         |                               |
|-------------------------|-------------------------------|
| 60' - 6-IN PIPE         | 2 - 8-IN MJ PLUG              |
| 940' - 8-IN PIPE        | 2 - 5-IN HYDRANT              |
| 1100' - POLYWRAP        | 1 - 8-IN SLEEVE               |
| 2 - 6-IN VALVES AND BOX | 40' - 2" STYROFOAM            |
| 3 - 8-IN VALVES AND BOX | 1-IN COPPER TUBING (AS REQ'D) |
| 2 - 8-IN X 6-IN TEE     |                               |
| 1 - 8-IN X 8-IN CROSS   |                               |

**REUSED MATERIALS:**

- 2 - 5-IN HYDRANT  
2 - 8-IN X 6-IN TEE



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

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