



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

SECRET PLACES AT SIGGELKOW PRESERVE

PHASE 10

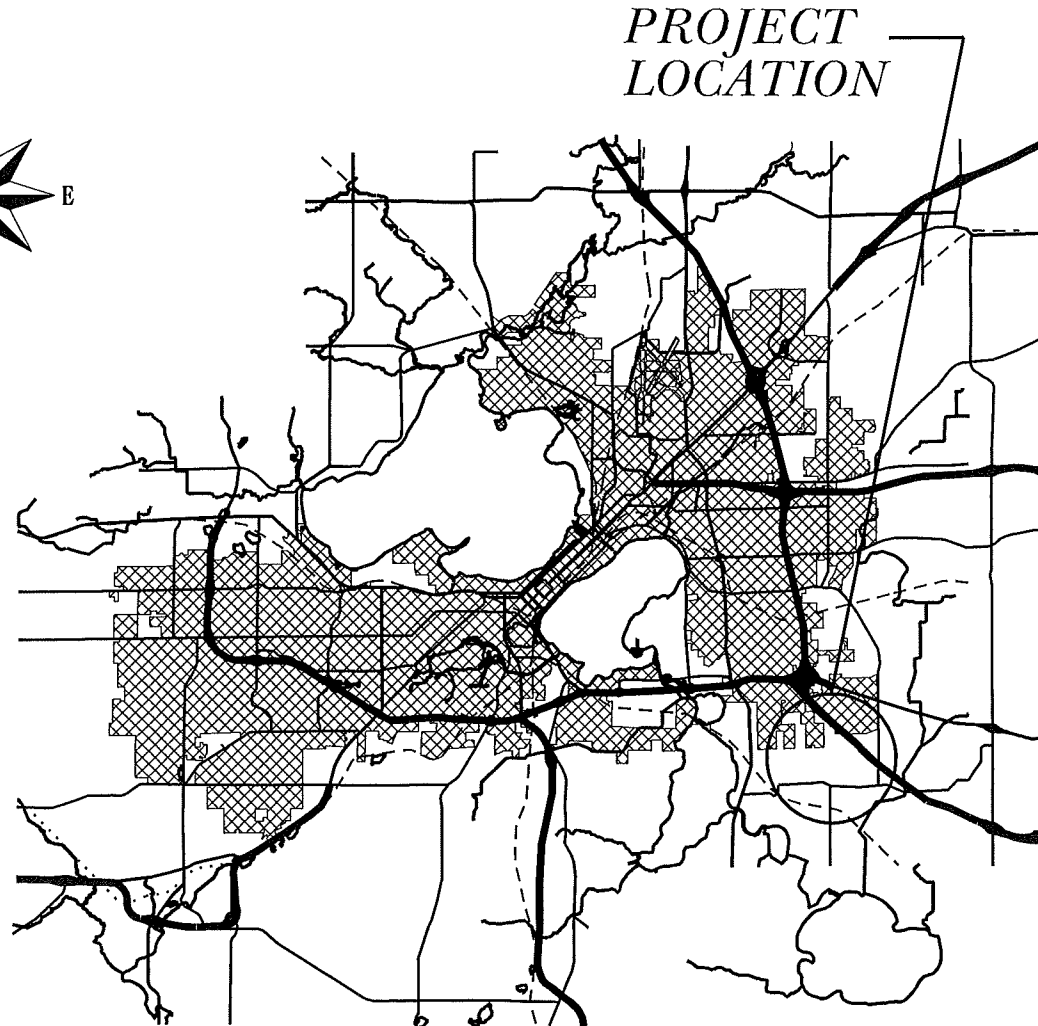
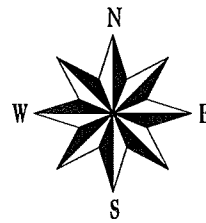
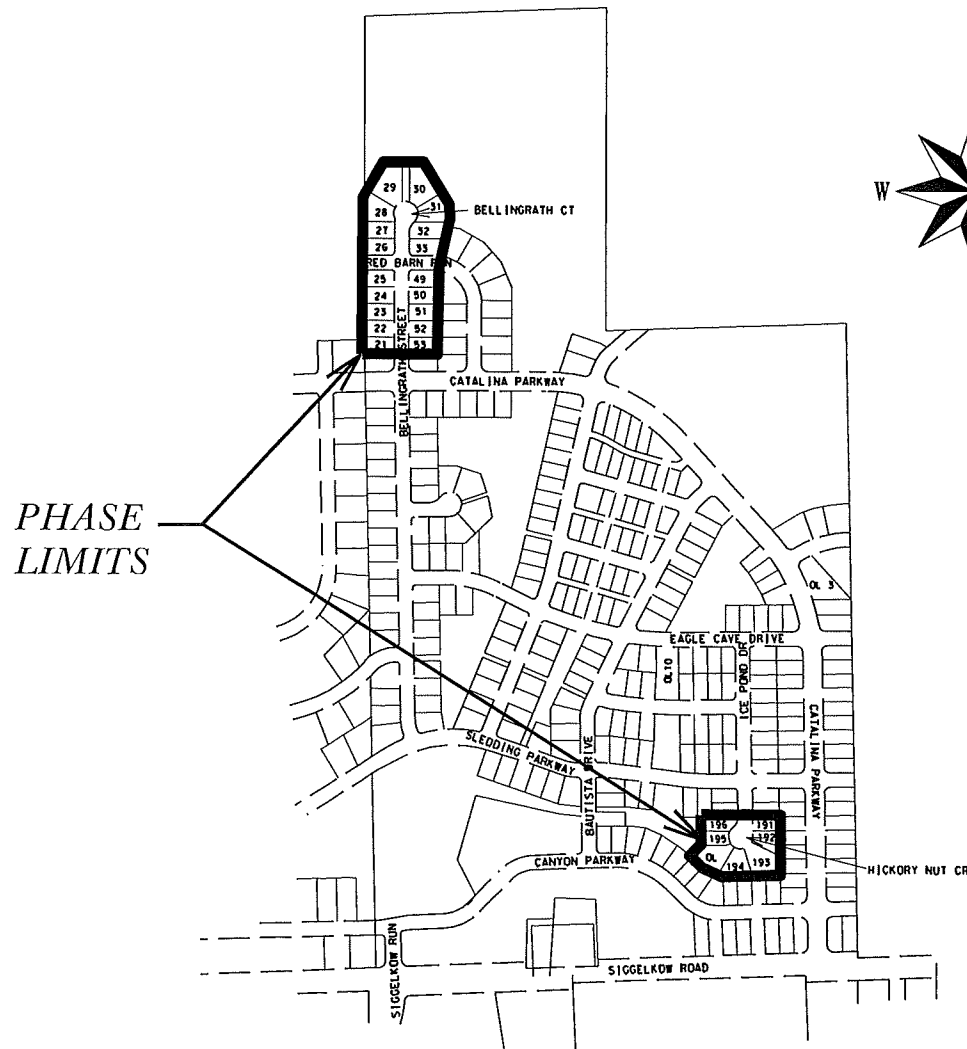
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BELLINGRATH STREET, BELLINGRATH COURT,
RED BARN RUN AND HICKORY NUT CIRCLE
CITY PROJECT NO. 53B2354
CONTRACT NO. 2354



PUBLIC IMPROVEMENT PROJECT APPROVED

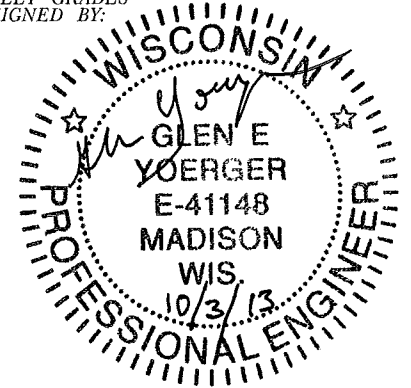
JUNE 18, 2013

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

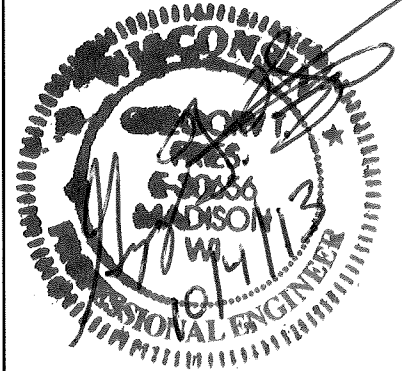
[Signature] 10/4/13
City Engineer Date

STREET GRADES
DESIGNED BY:



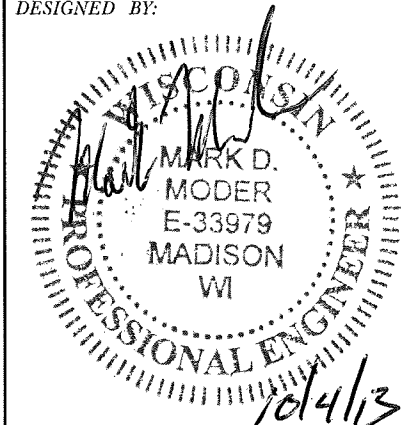
CIVIL ENGINEER

STORM SEWER
DESIGNED BY:



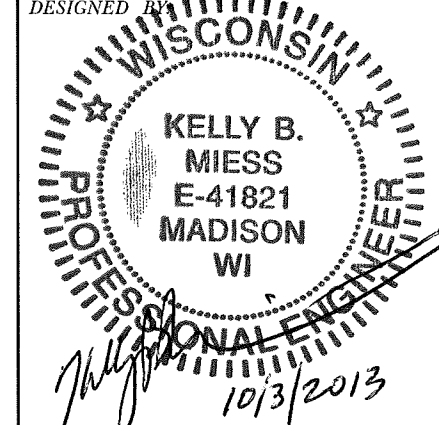
CIVIL ENGINEER

SANITARY SEWER
DESIGNED BY:



CIVIL ENGINEER

WATER
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" 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.

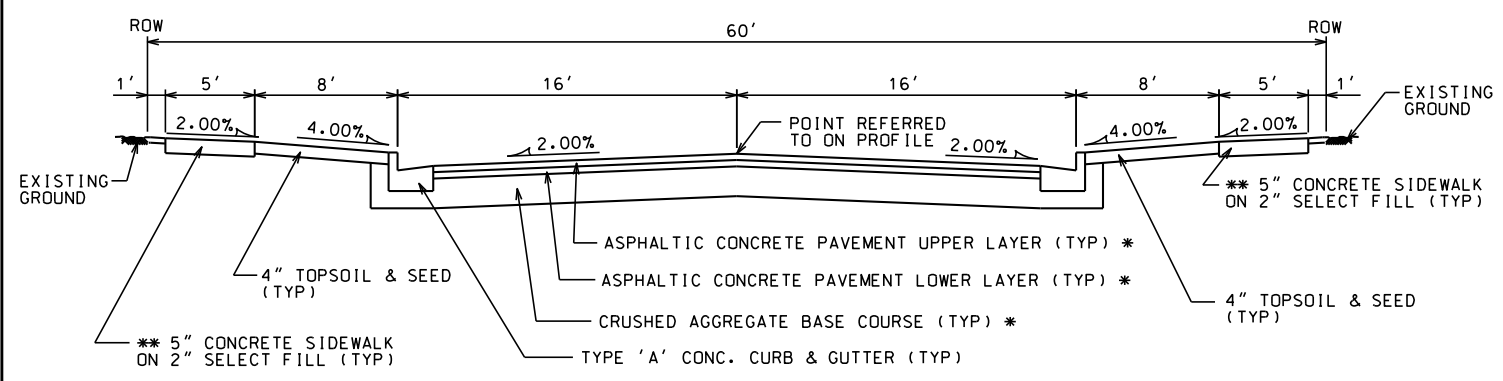
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION



TYPICAL SECTION
 BELLINGRATH ST
 BELLINGRATH DR
 RED BARD RUN
 HICKORY NUT CIRCLE
 NOT TO SCALE

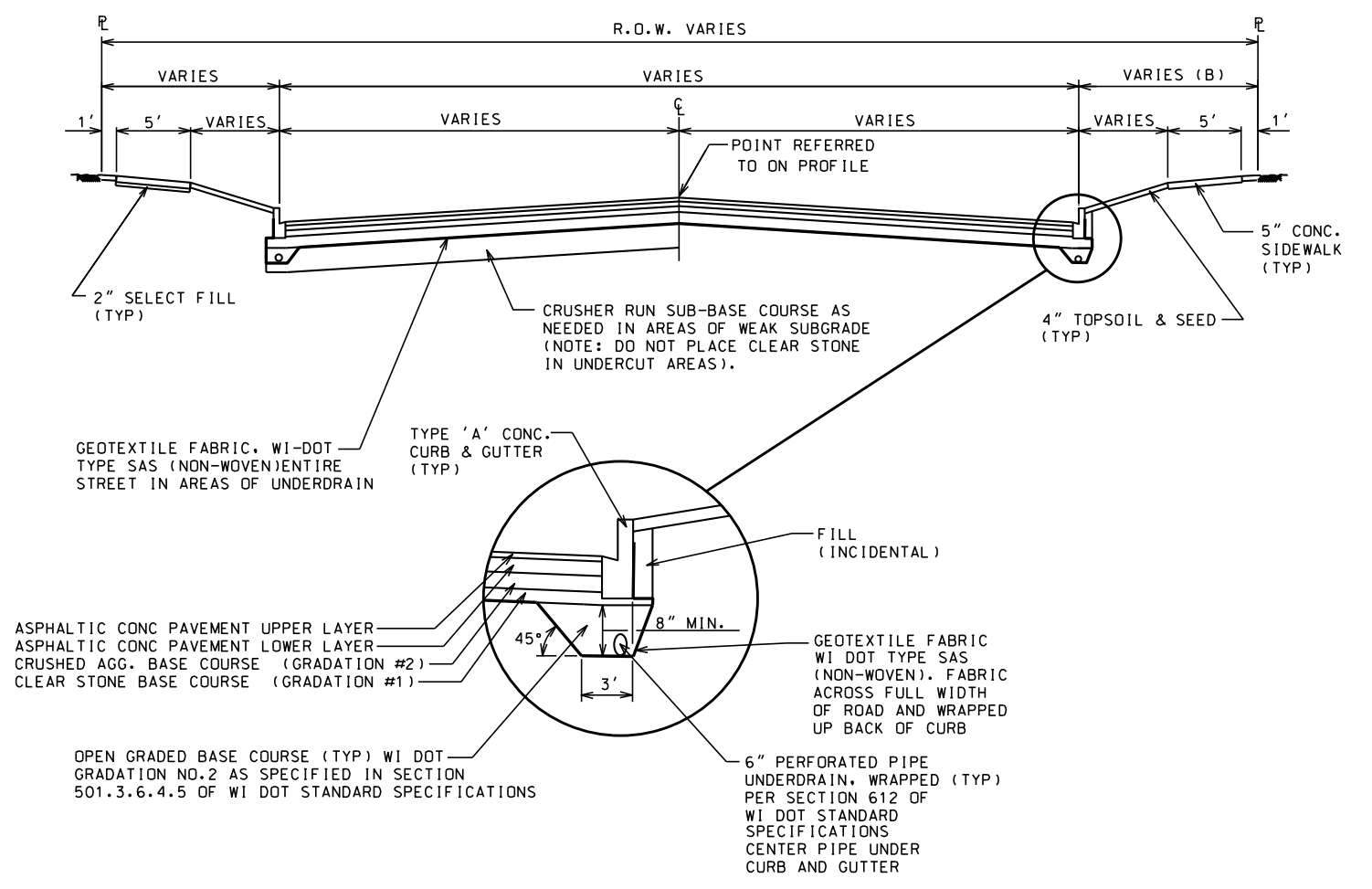
NOTES:

- * 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



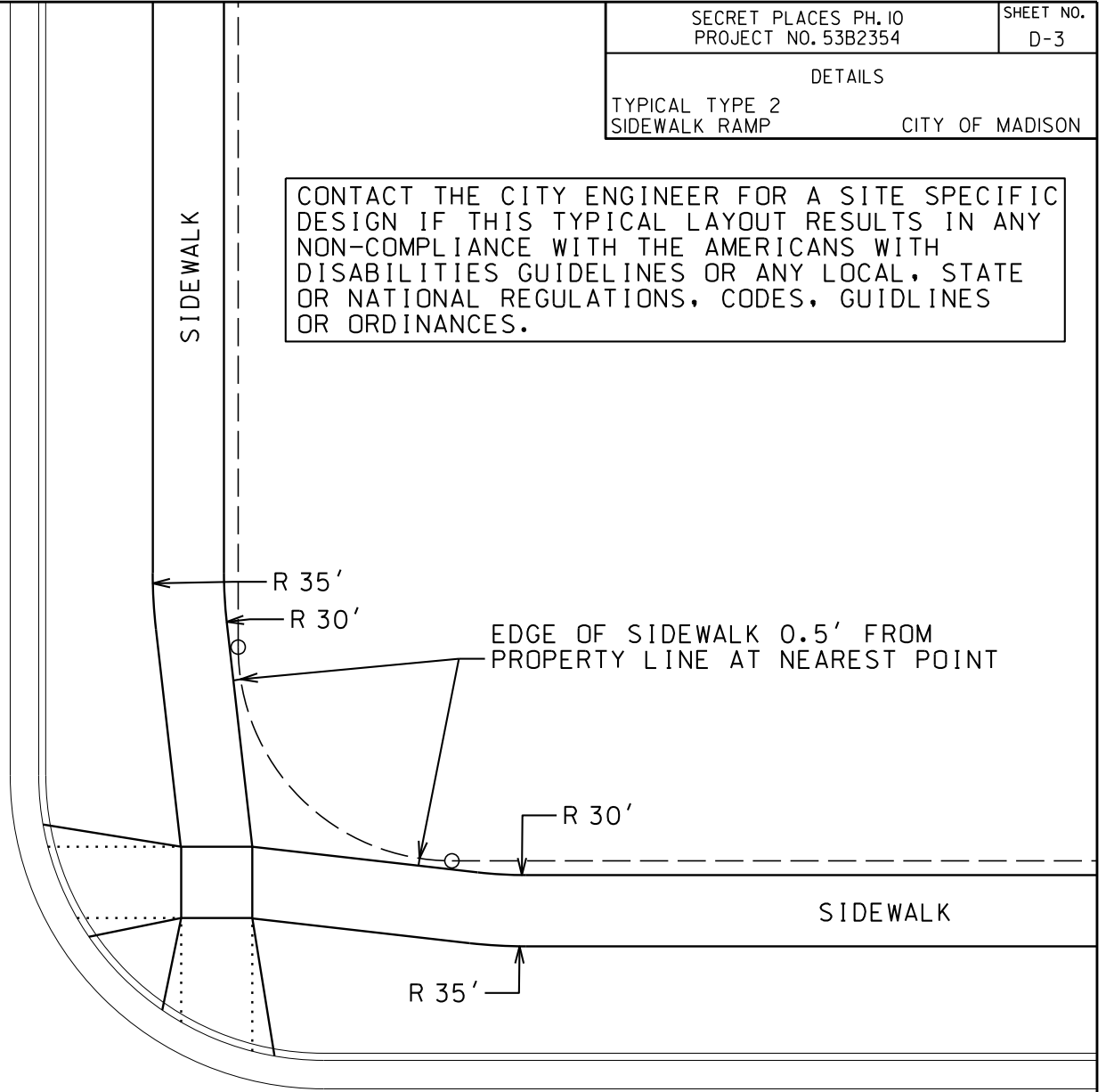
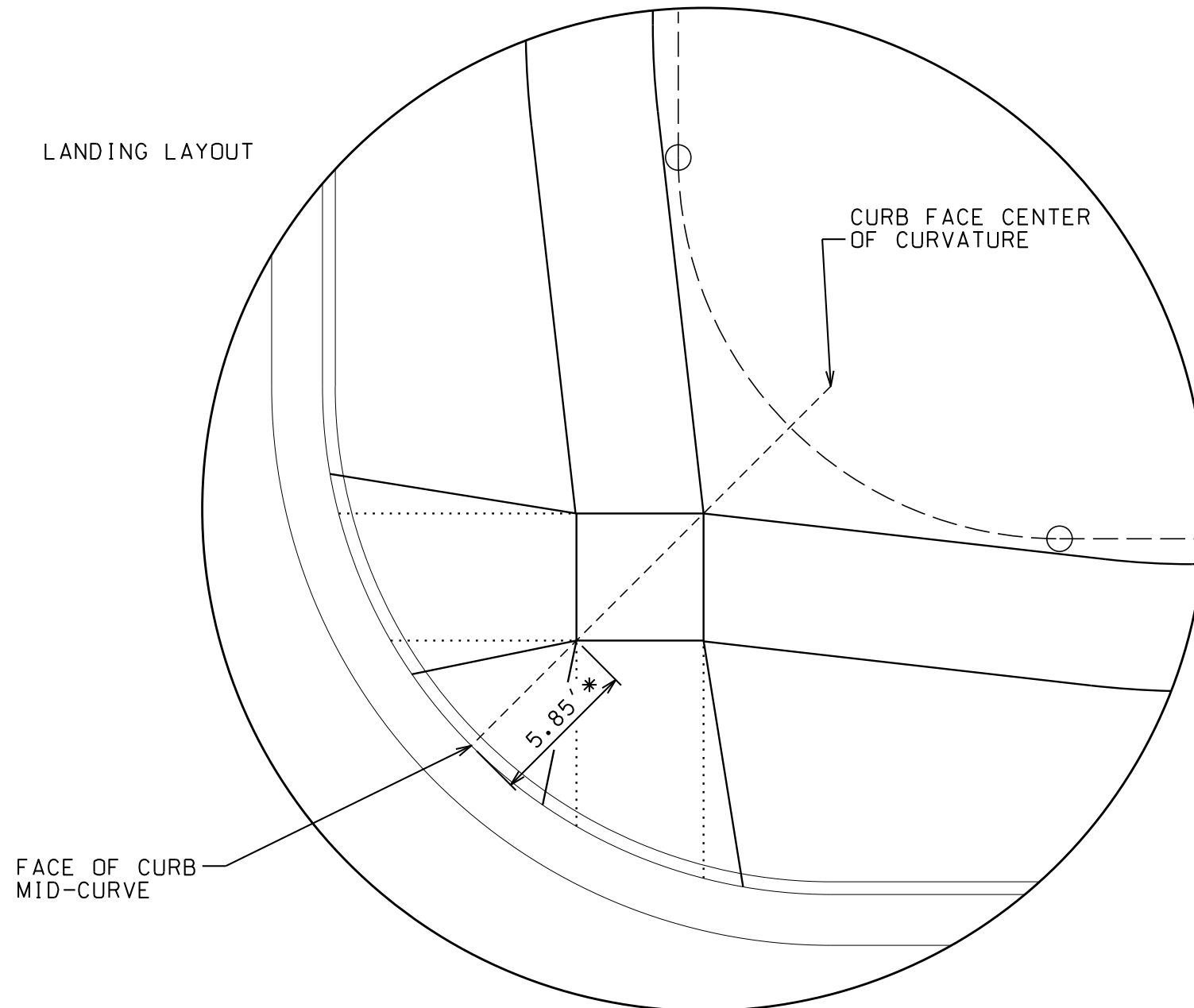
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

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, GUIDLINES 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.

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

THE RAMPS SHALL ALIGN
WITH THE CROSSINGS.

SIDEWALK

SIDEWALK

SIDEWALK

SIDEWALK

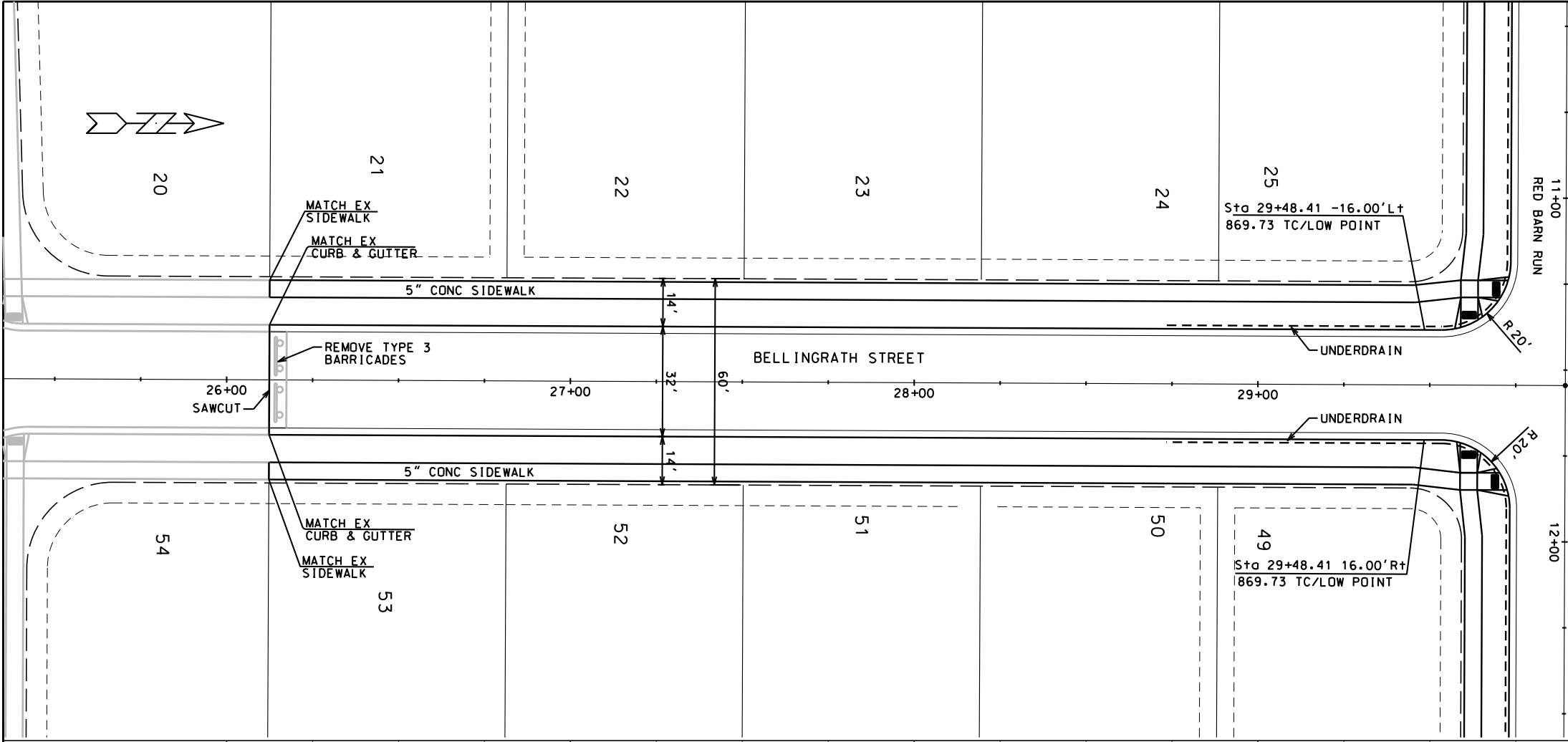
SIDEWALK

SIDEWALK

SIDEWALK

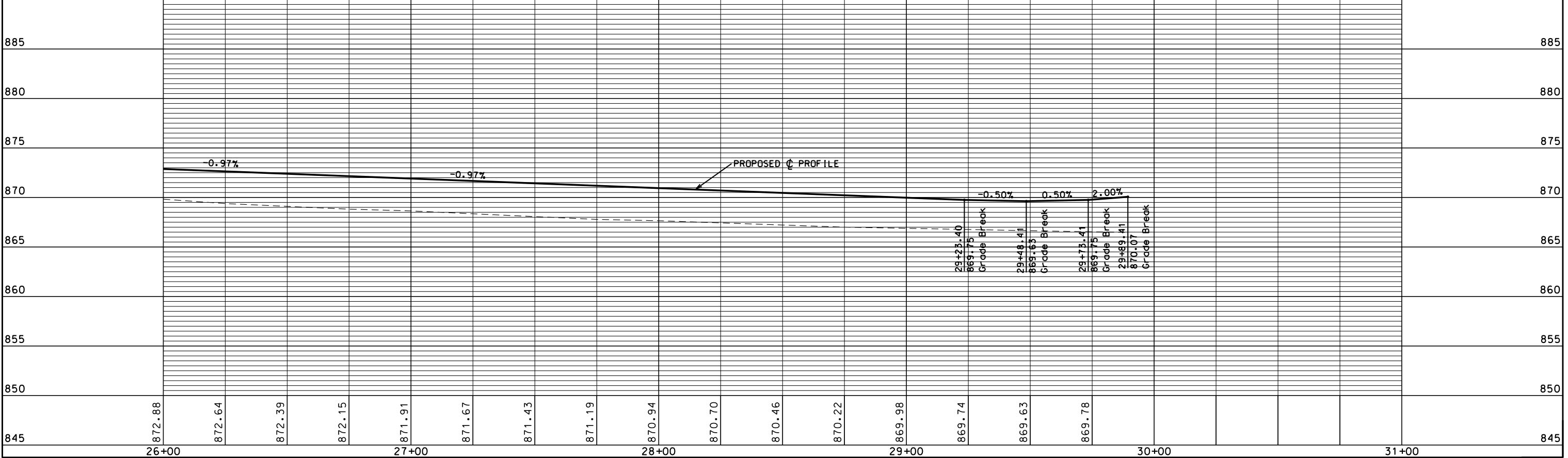
SIDEWALK

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, GUIDELINES
OR ORDINANCES.



SEE SHEET P-2 FOR
BELLINGRATH COURT

SEE SHEET P-3 FOR
INTERSECTION DESIGN



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

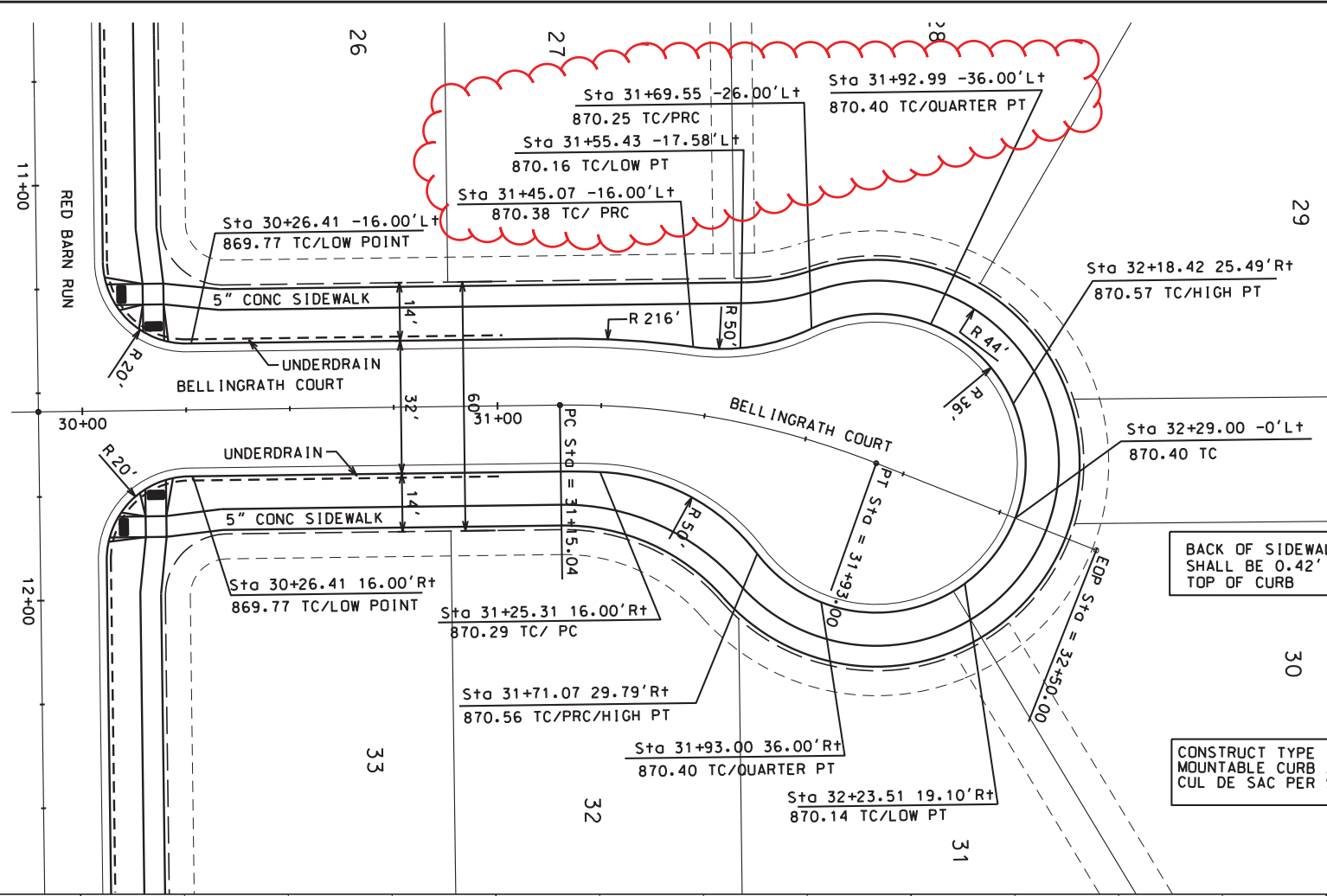
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REV. DATE: _____

REV 4/04/2014 GEY

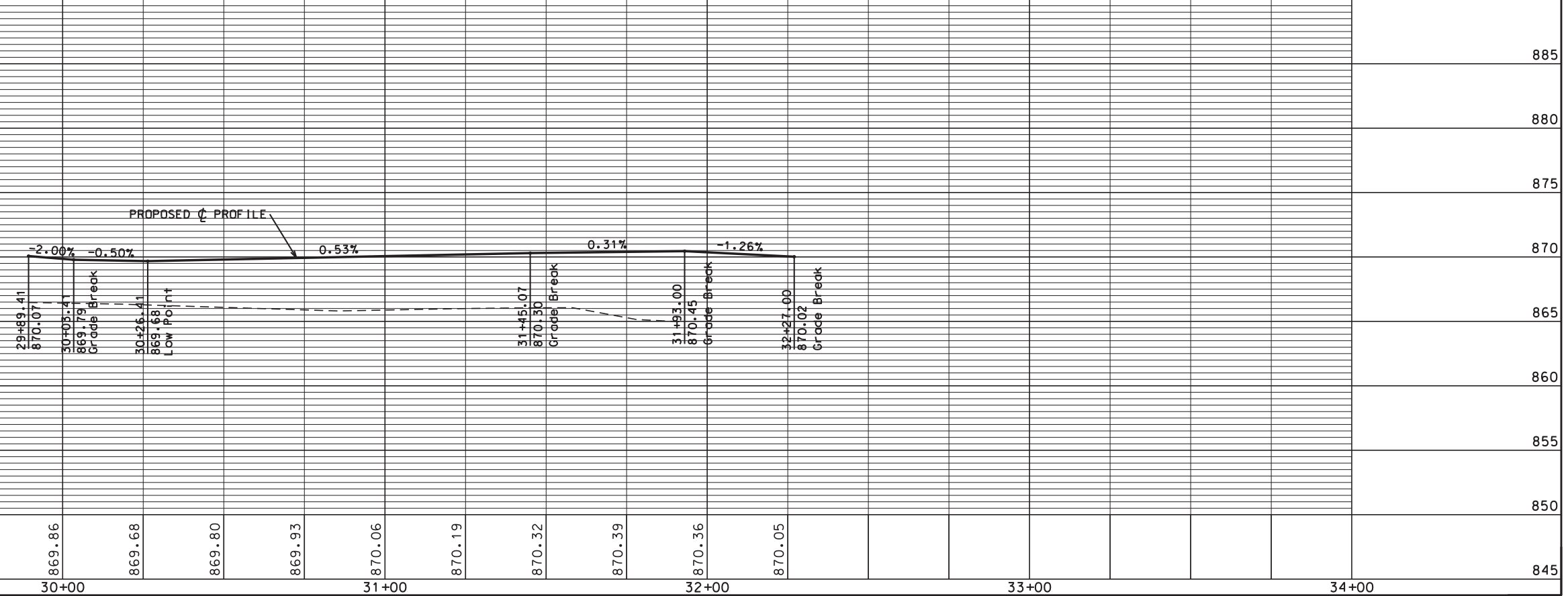
SEE SHEET P-3 FOR INTERSECTION DESIGN

SEE SHEET P-1 FOR BELLINGRATH STREET



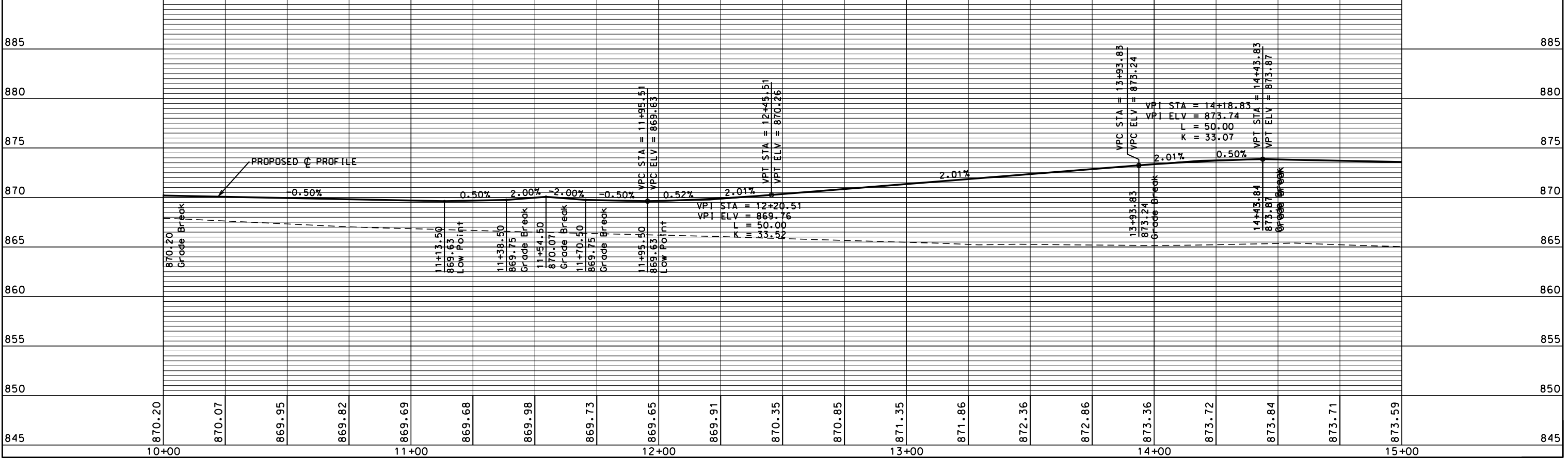
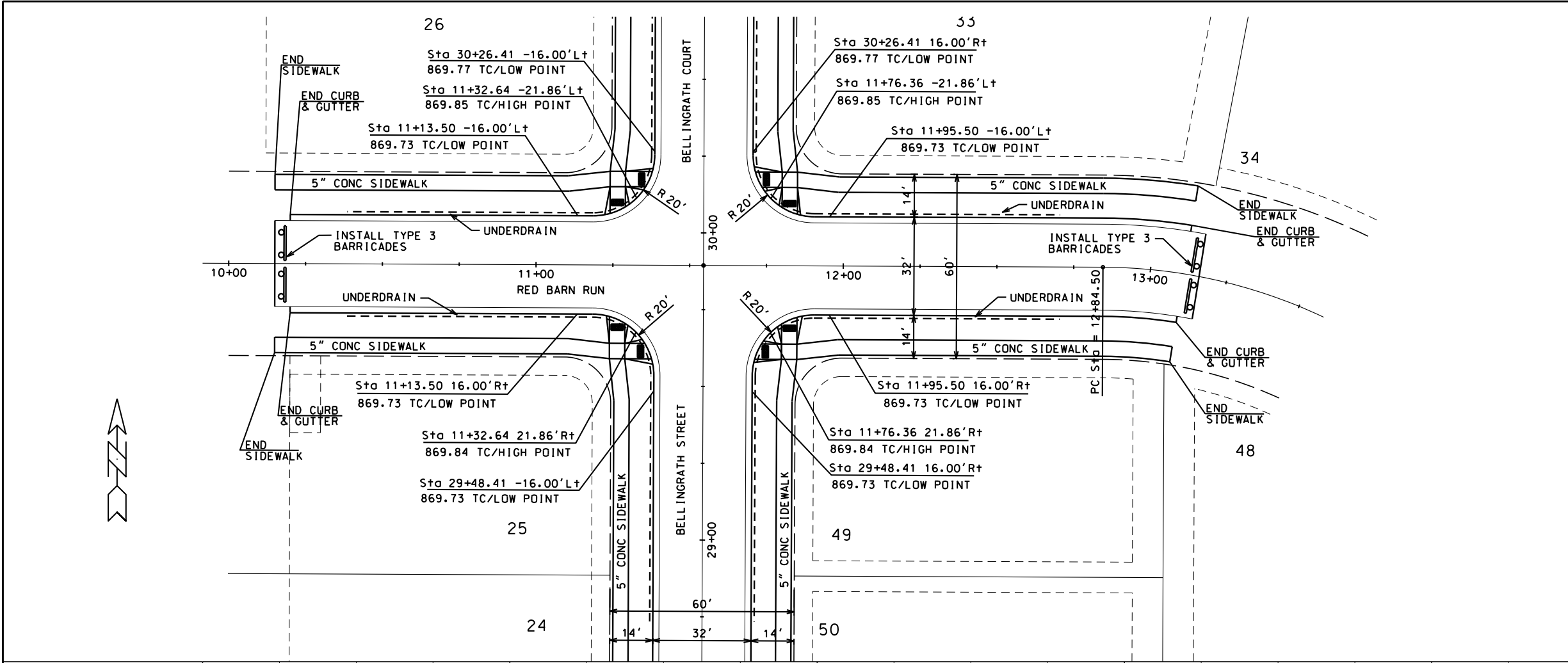
BACK OF SIDEWALK GRADES SHALL BE 0.42' ABOVE TOP OF CURB

CONSTRUCT TYPE 'A' MOUNTABLE CURB AT END OF CUL DE SAC PER SDD 3.05



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

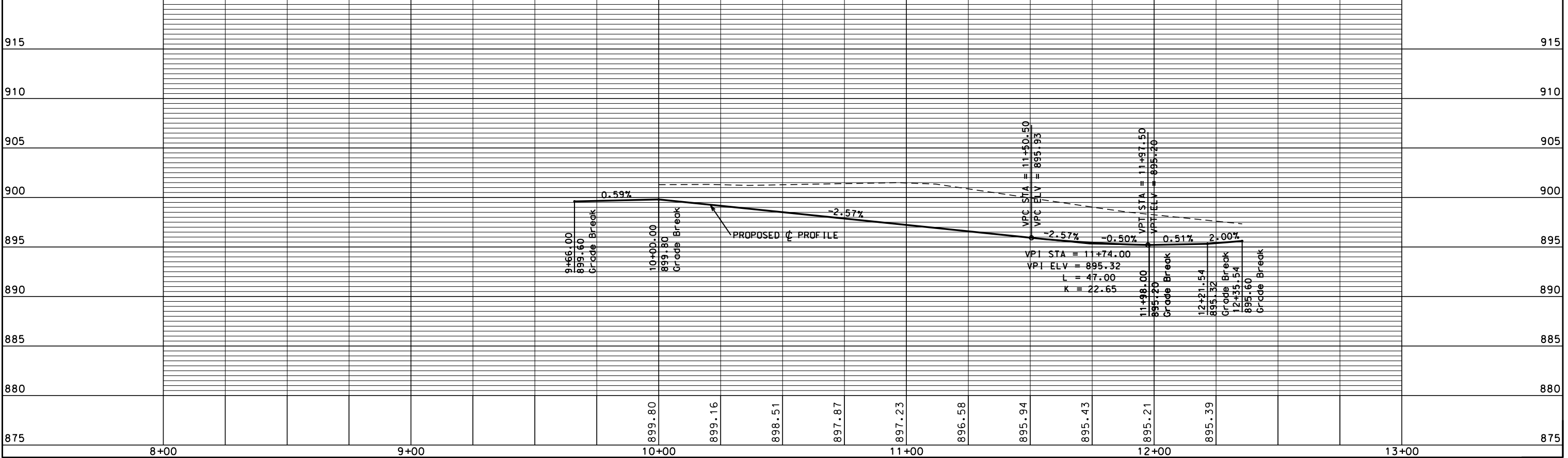
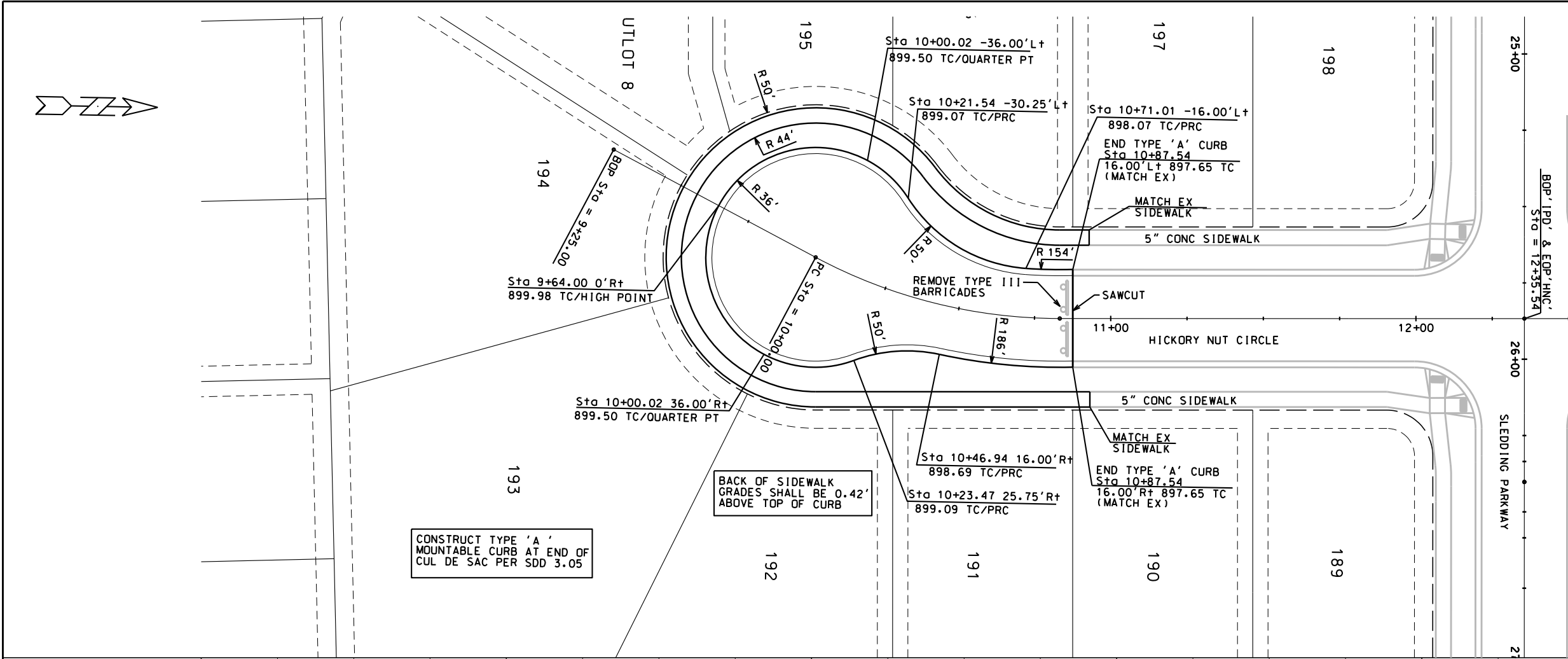
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

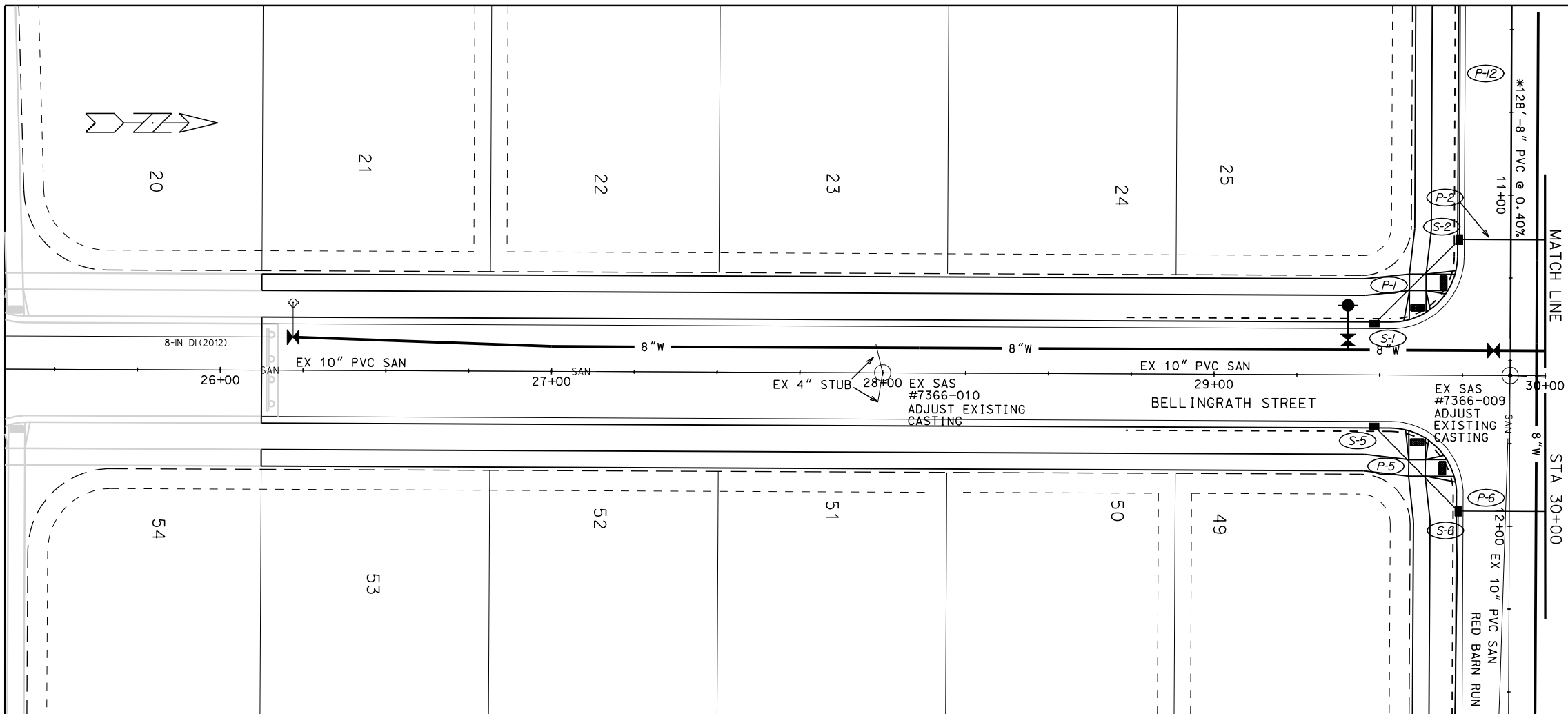
REV. DATE: _____ PLOT NAME: _____ PLOT SCALE: _____

PLAN AND PROFILE
HICKORY NUT CIRCLE CITY OF MADISON

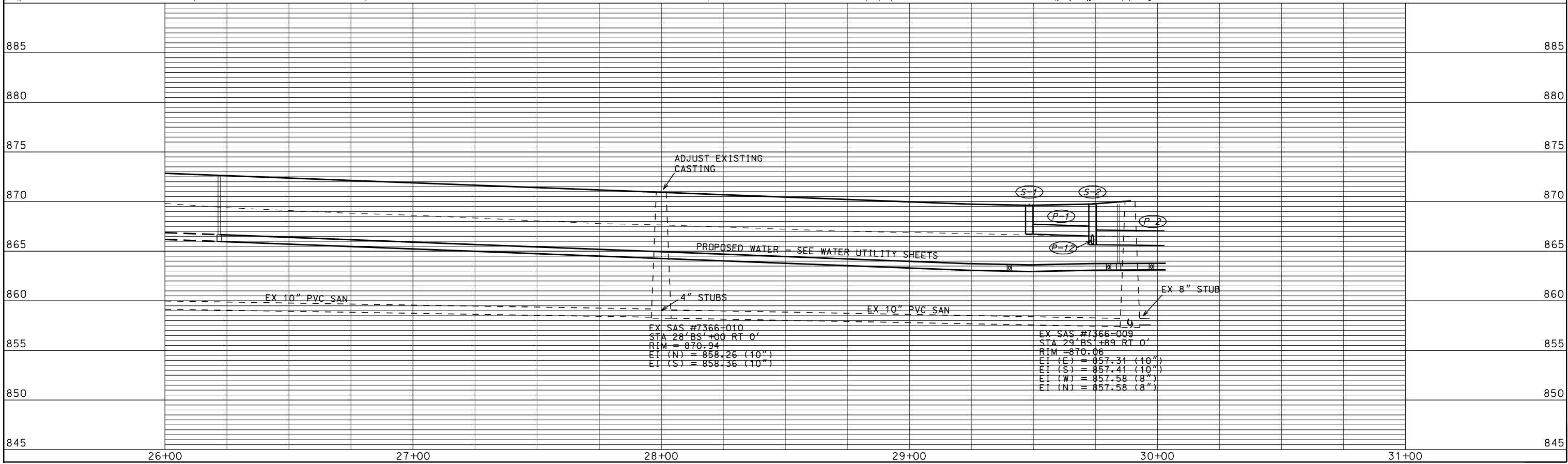


PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SEE SHEET P-2 FOR
BELLINGRATH COURT

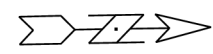


PLOT SCALE:

PLOT NAME:

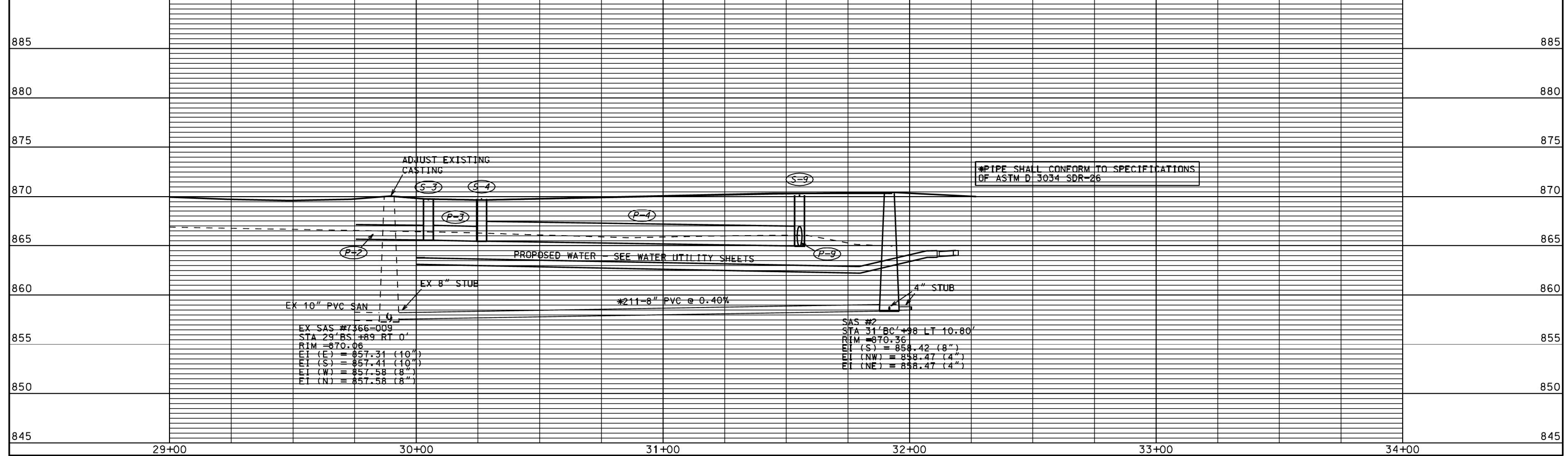
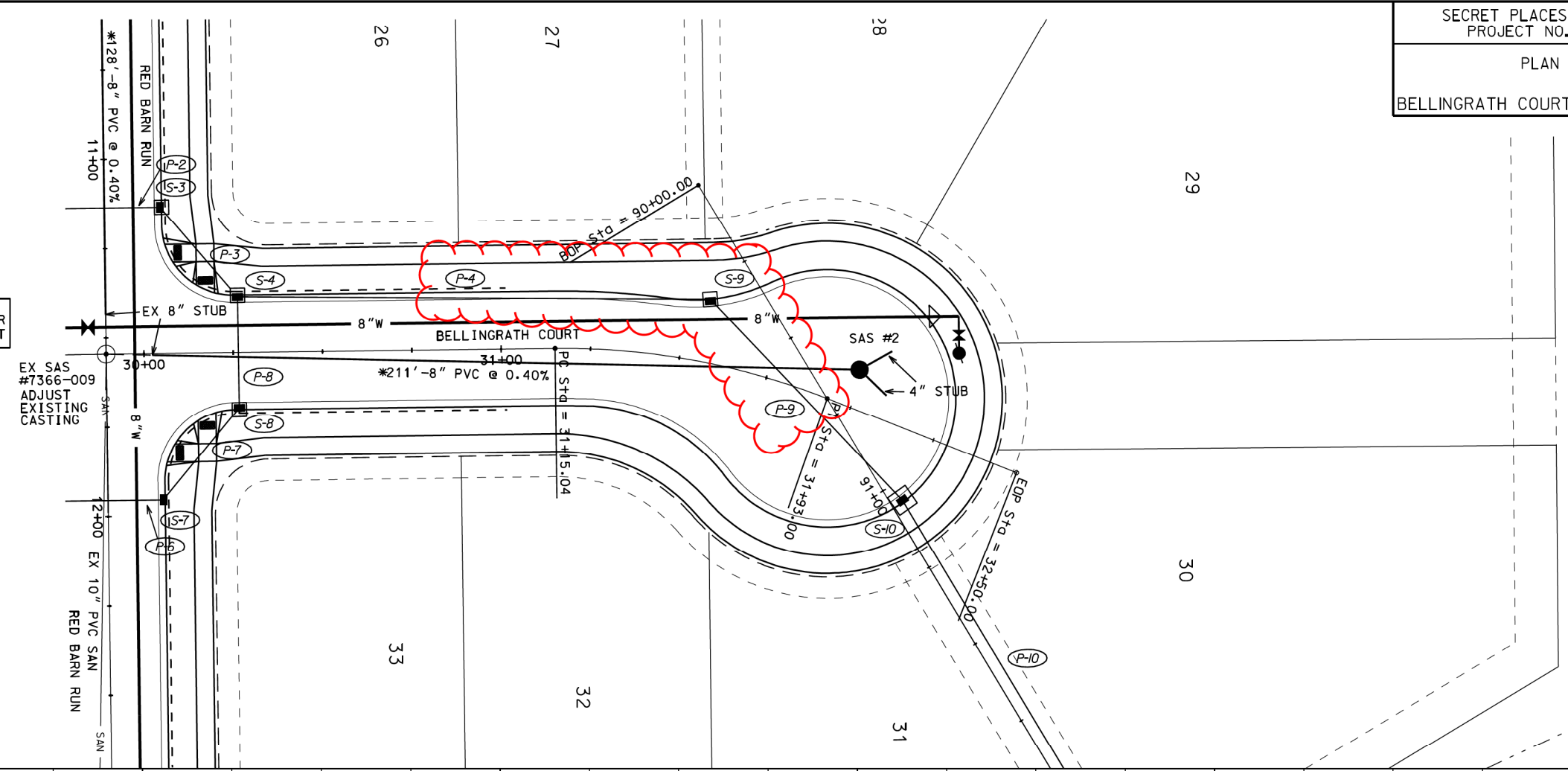
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:
 PLOT NAME:
 REV. DATE:

SEE SHEET P-1 FOR BELLINGRATH STREET



ADJUST EXISTING CASTING

EX 8" STUB

EX 10" PVC SAN

PROPOSED WATER - SEE WATER UTILITY SHEETS

*211'-8" PVC @ 0.40%

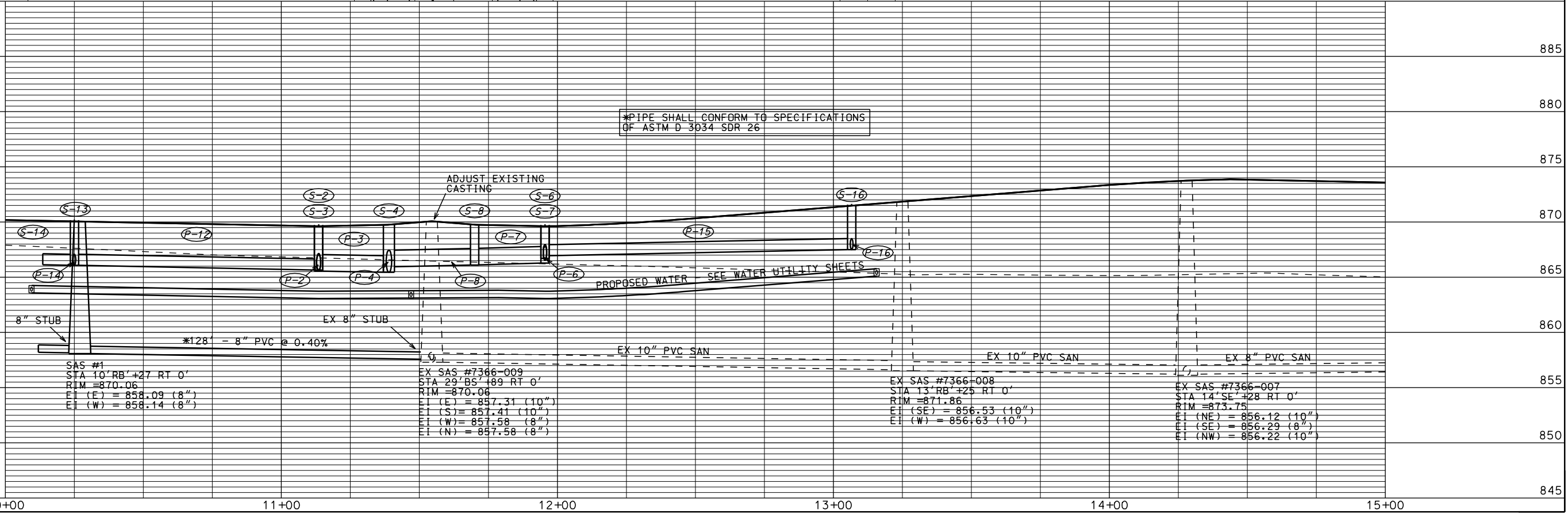
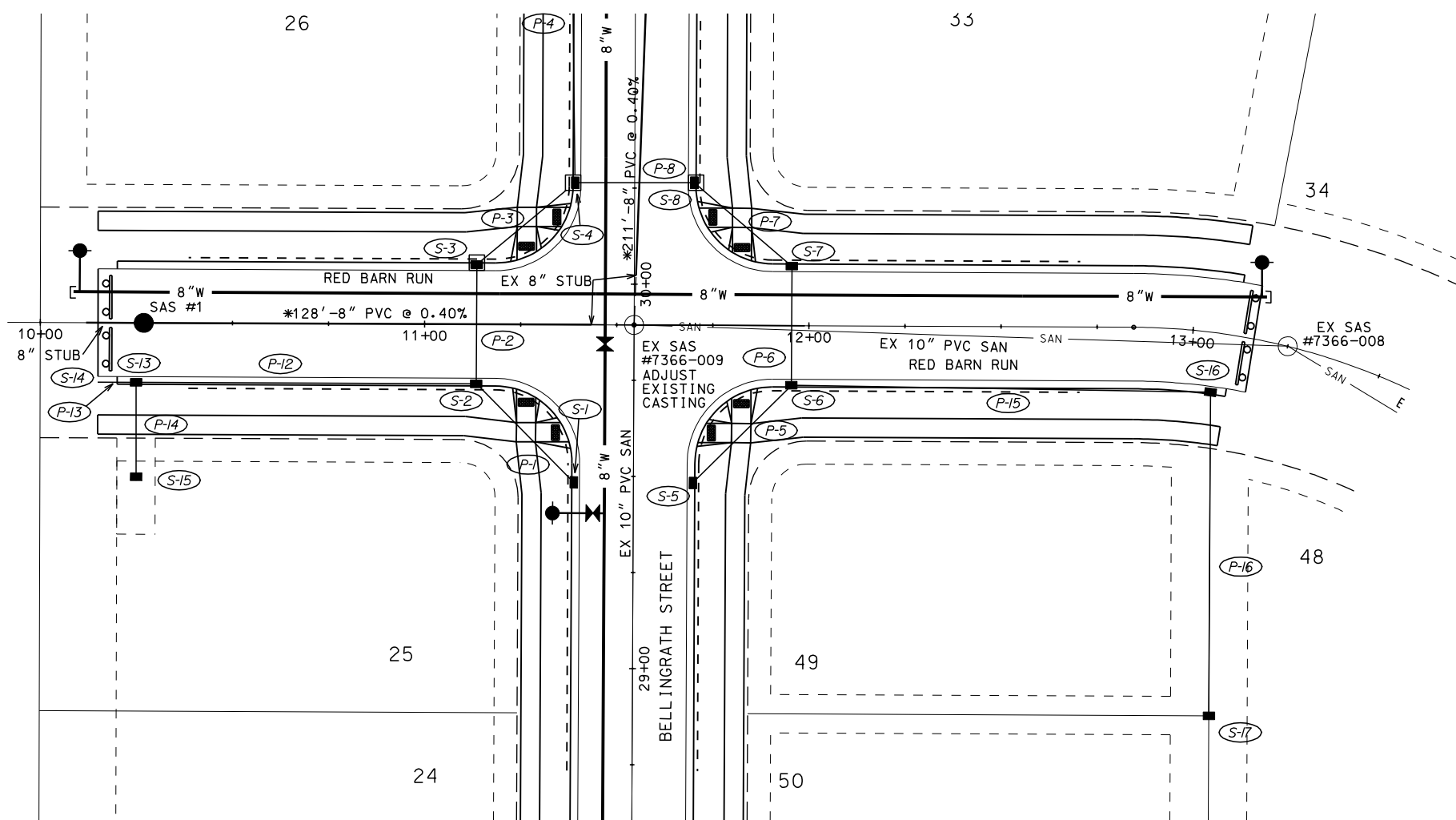
4" STUB

SAS #2
 STA 31+86' +98 LT 10.80'
 RIM = 870.36
 EI (S) = 858.42 (8")
 EI (NW) = 858.47 (4")
 EI (NE) = 858.47 (4")

*PIPE SHALL CONFORM TO SPECIFICATIONS OF ASTM D 3034 SDR-26

EX SAS #7366-009
 STA 29+85 +89 RT 0'
 RIM = 870.06
 EI (E) = 857.31 (10")
 EI (S) = 857.41 (10")
 EI (W) = 857.58 (8")
 EI (N) = 857.58 (8")

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

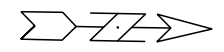


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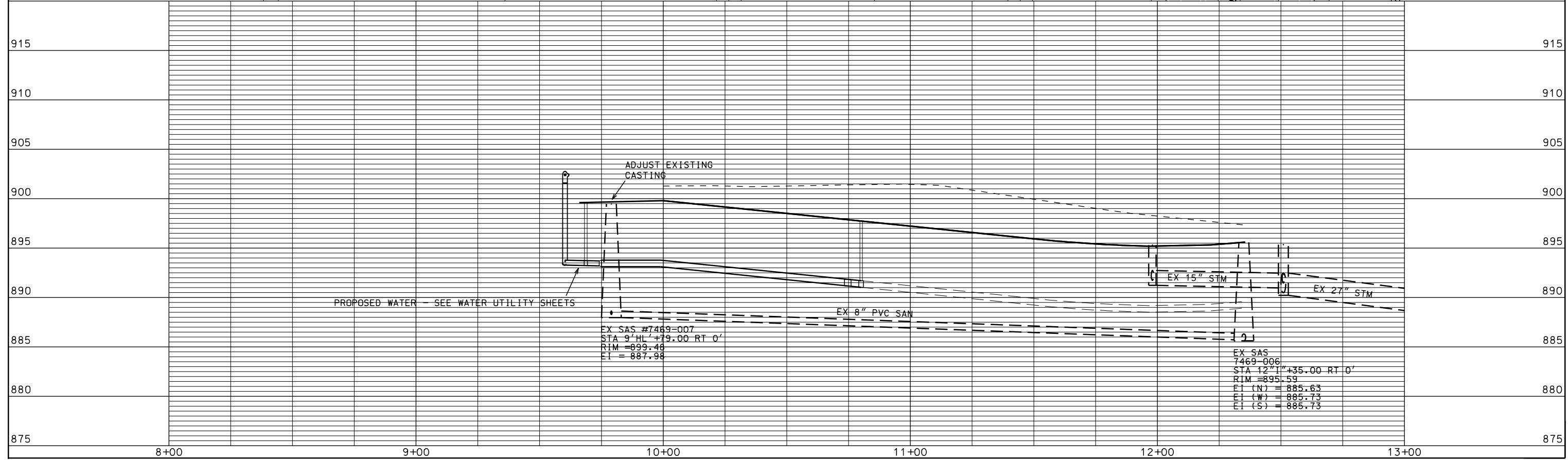
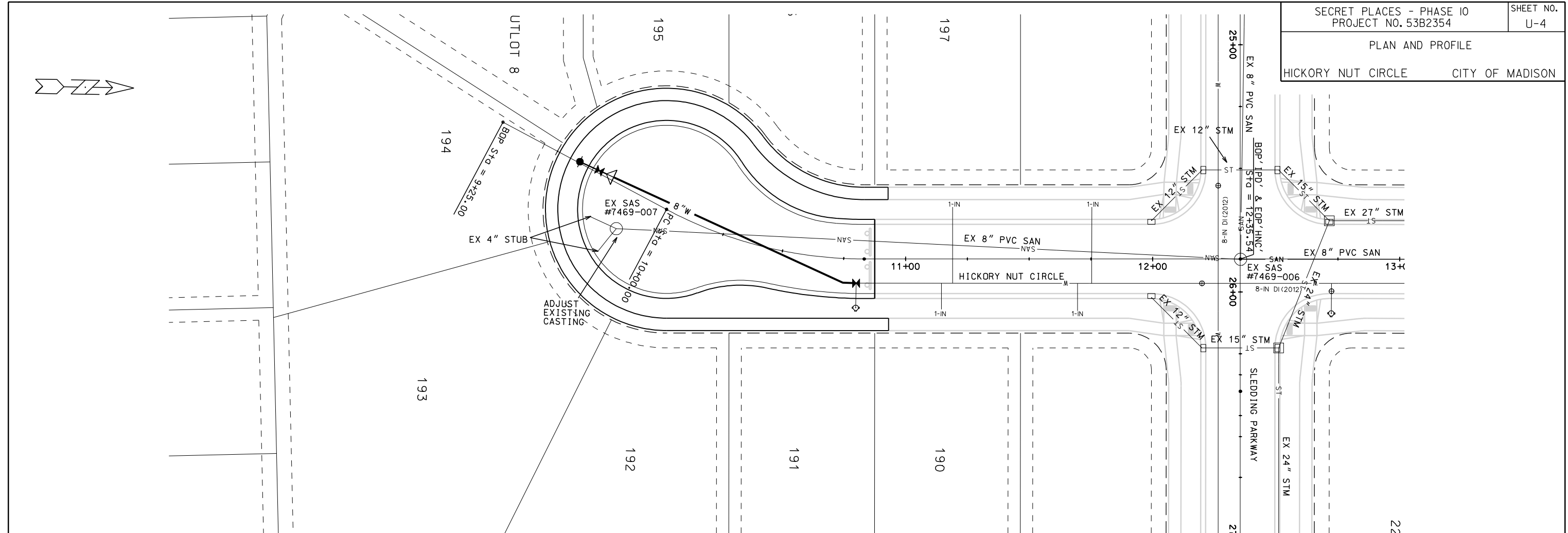
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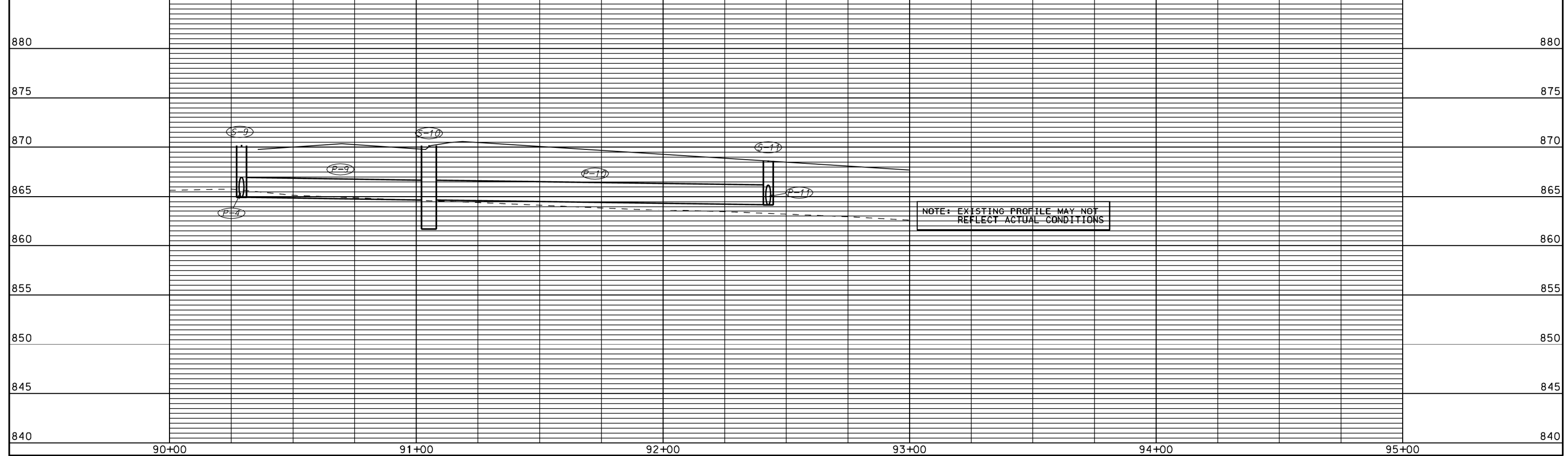
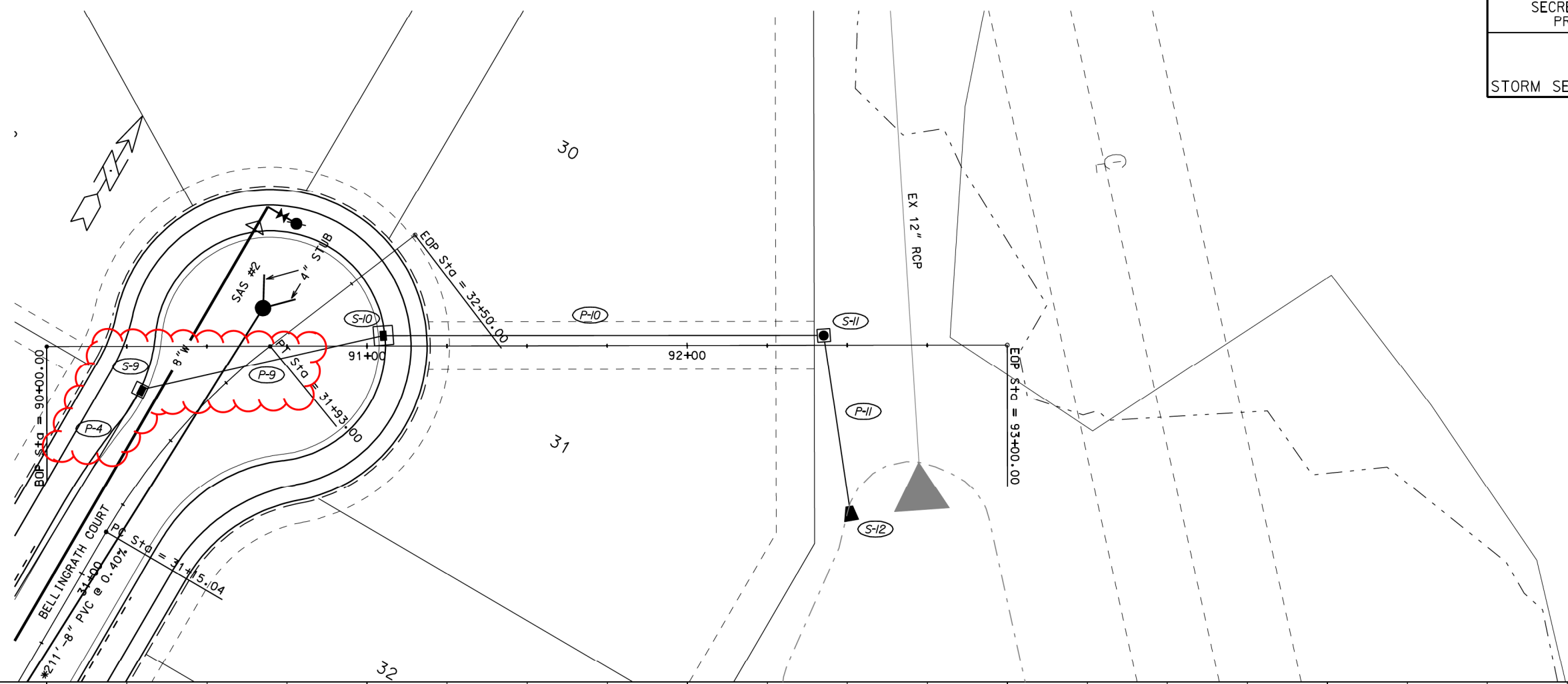
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:
PLOT NAME:
REV. DATE:



ORIGINATOR: CITY OF MADISON, STREETS DIVISION



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. DATE: PLOT NAME: PLOT SCALE:

SANITARY SEWER SCHEDULE

ALIGNMENT CODES:

'RB' - RED BARN RUN
 'BS' - BELLINGRATH STREET
 'BC' - BELLINGRATH COURT
 'E' - STORM SEWER EASEMENT

*REVISED 4/3/2014 KDF

SECRET PLACES - PHASE 10
 PROJECT NO. 53B2354

SHEET NO.
 U-6

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS #1	10'RB'+26.93	CL	870.06	858.09	11.97	4' DIA
SAS #2	31'BC'+98.45	LT-10.80	870.36	858.42	11.94	4' DIA

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX.SAS 7366-009	SAS #1	857.58	858.09	128	0.40%	8"	SDR-26	
EX.SAS 7366-009	SAS #2	857.58	858.42	211	0.40%	8"	SDR-26	

SEWER SCHEDULE CITY OF MADISON

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	29'BS'+48.41	LT-15.50	H INLET	869.73	866.72	3.01	W/R-3067-7004
S-2	11'RB'+13.50	RT-15.50	H INLET	869.73	865.65	4.08	W/R-3067-7004 (FP)
S-3	11'RB'+13.50	LT-15.50	3X3 BOX	869.73	865.55	4.18	W/R-3067-7004 (FP)
S-4	30'BC'+26.41	LT-15.50	4X4 BOX	869.77	865.45	4.32	W/R-3067-7004 (FP)
S-5	29'BS'+48.41	RT-15.50	H INLET	869.73	866.89	2.84	W/R-3067-7004 (FP)
S-6	11'RB'+95.50	RT-15.50	H INLET	869.73	866.70	3.03	W/R-3067-7004 (FP)
S-7	11'RB'+95.50	LT-15.50	H INLET	869.73	866.29	3.44	W/R-3067-7004 (FP)
S-8	30'BC'+26.41	RT-15.50	3X3 BOX	869.77	866.11	3.66	W/R-3067-7004 (FP)
* S-9	31'BC'+55.43	LT-17.58	4X4 BOX	870.16	864.96	5.20	W/R-3067-7004
S-10	32'BC'+23.51	RT-19.10	6X6 CATCH BASIN	870.14	864.67	5.47	W/R-3067-7004 (2)
S-11	92'E'+42.68	LT-3.11	4X4 BOX	868.60	864.19	4.41	W/R-1550-0054
S-12	92'E'+51.36	RT-54.85	24" RCP AE	-	864.00	-	W/AE GATE (1)
S-13	10'RB'+25.00	RT-15.50	H INLET	870.17	866.09	4.08	W/R-3067-7004
S-14	10'RB'+15.00	RT-15.50	STORM STUB	-	866.14	-	
S-15	10'RB'+25.00	RT-40.00	H INLET	867.80	866.20	1.60	W/R-1878-B7G (FP)
S-16	13'RB'+06.65	RT-15.50	H INLET	871.59	867.50	4.09	W/R-3067-7004
S-17	13'RB'+32.45	RT-98.15	H INLET	870.30	867.93	2.37	W/R-1878-B7G (FP)

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-2	S-1	36	866.54	866.72	0.50%	12"	RCP	-
P-2	S-3	S-2	31	865.55	865.65	0.32%	18"	RCP	-
P-3	S-4	S-3	33	865.45	865.55	0.30%	18"	RCP	NCM
* P-4	S-9	S-4	132.5	864.97	865.45	0.36%	24"	RCP	-
P-5	S-6	S-5	36	866.71	866.89	0.50%	12"	RCP	NCM
P-6	S-7	S-6	31	866.54	866.70	0.52%	15"	RCP	-
P-7	S-8	S-7	33	866.12	866.29	0.52%	18"	RCP	-
P-8	S-4	S-8	31	865.95	866.11	0.52%	18"	RCP	-
* P-9	S-10	S-9	78	864.68	864.96	0.36%	24"	RCP	-
P-10	S-11	S-10	138	864.20	864.67	0.34%	24"	RCP	-
P-11	S-12	S-11	54	864.00	864.19	0.35%	24"	RCP	-
P-12	S-2	S-13	88	865.65	866.09	0.50%	12"	RCP	NCM
P-13	S-13	S-14	10	866.09	866.14	0.50%	12"	RCP	-
P-14	S-13	S-15	25	866.09	866.20	0.44%	12"	RCP	-
P-15	S-6	S-16	109	866.95	867.50	0.50%	12"	RCP	-
P-16	S-16	S-17	84	867.51	867.93	0.50%	12"	RCP	-

SPECIFIC NOTES

- (1) STATION AND OFFSET FROM END OF AE. SEE STANDARD DETAIL DRAWINGS 5.4.1 AND 5.4.4
- (2) REFER TO STANDARD DETAIL DRAWING 5.7.4

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 KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO kfrank@cityofmadison.com.

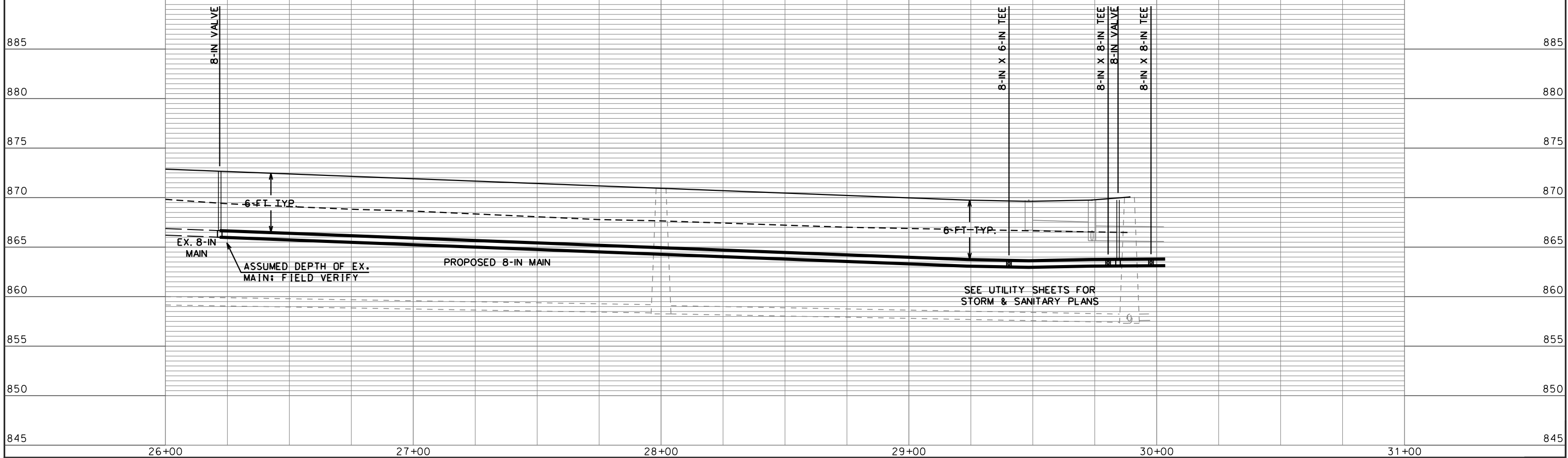
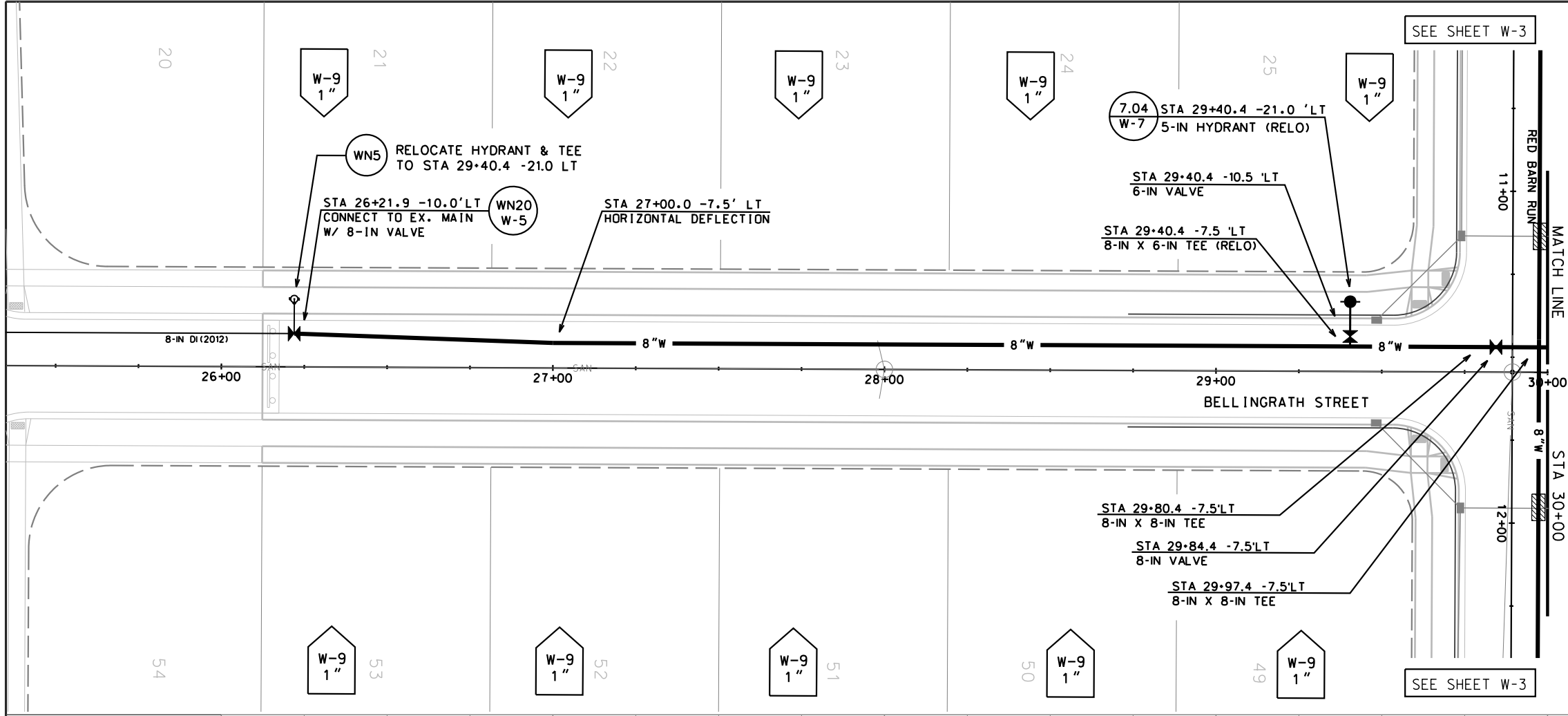


TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.

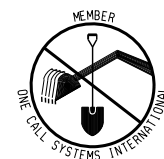
DISCLAIMER NOTE:
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PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

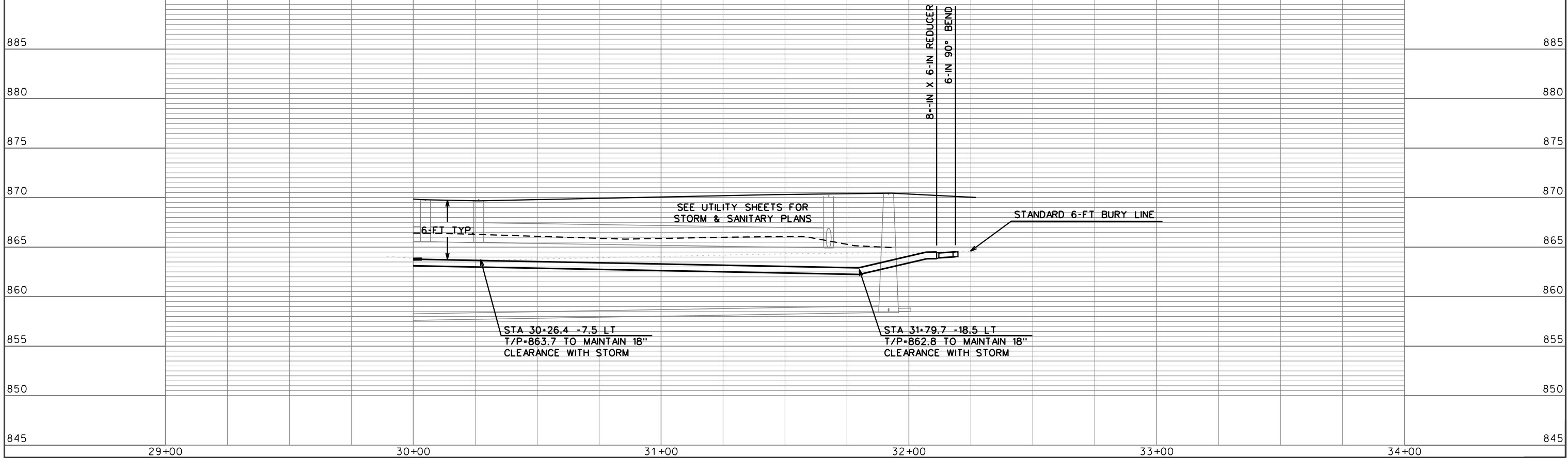
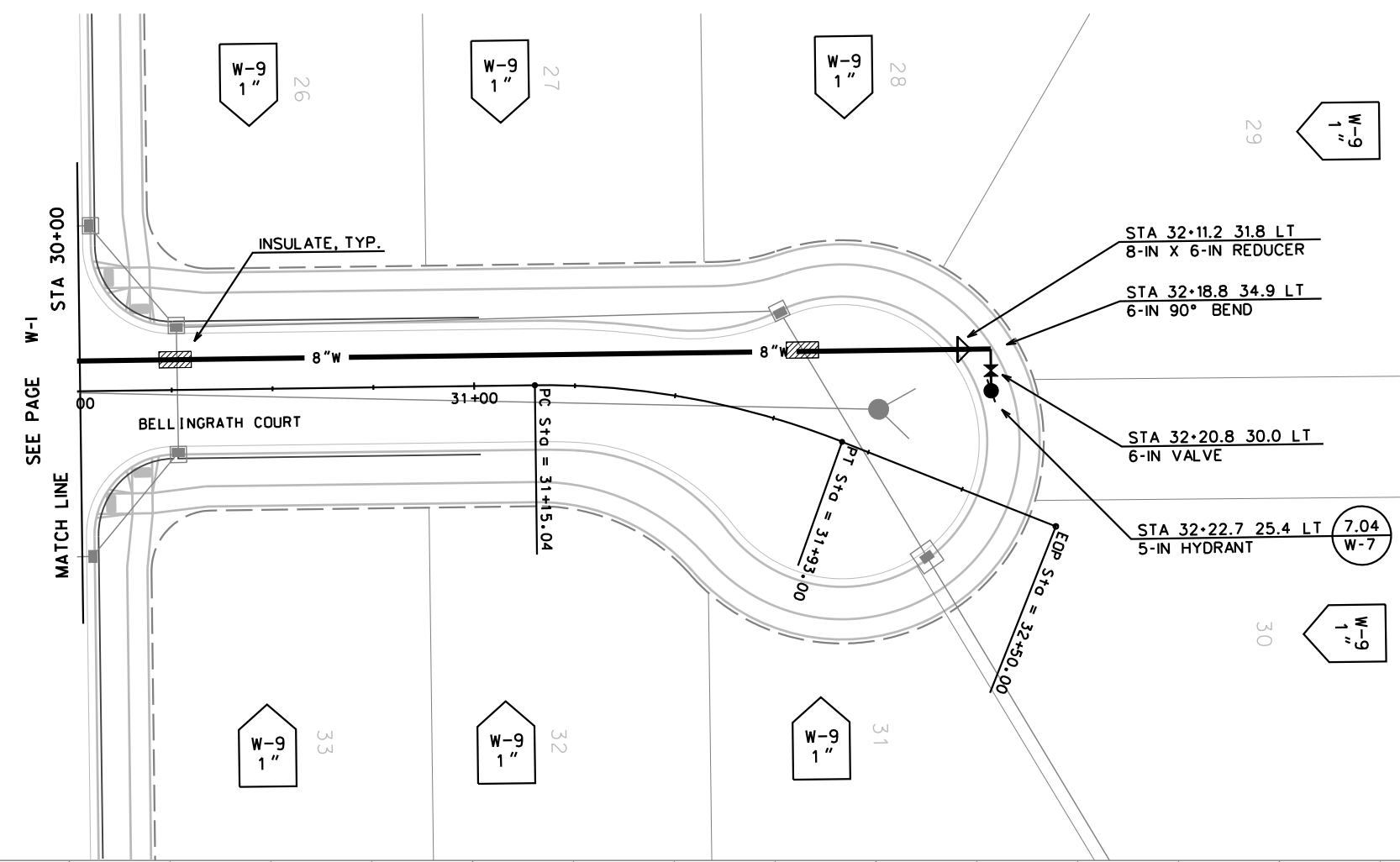
BELLINGRATH COURT CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: KBM



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WATER PLAN AND PROFILE

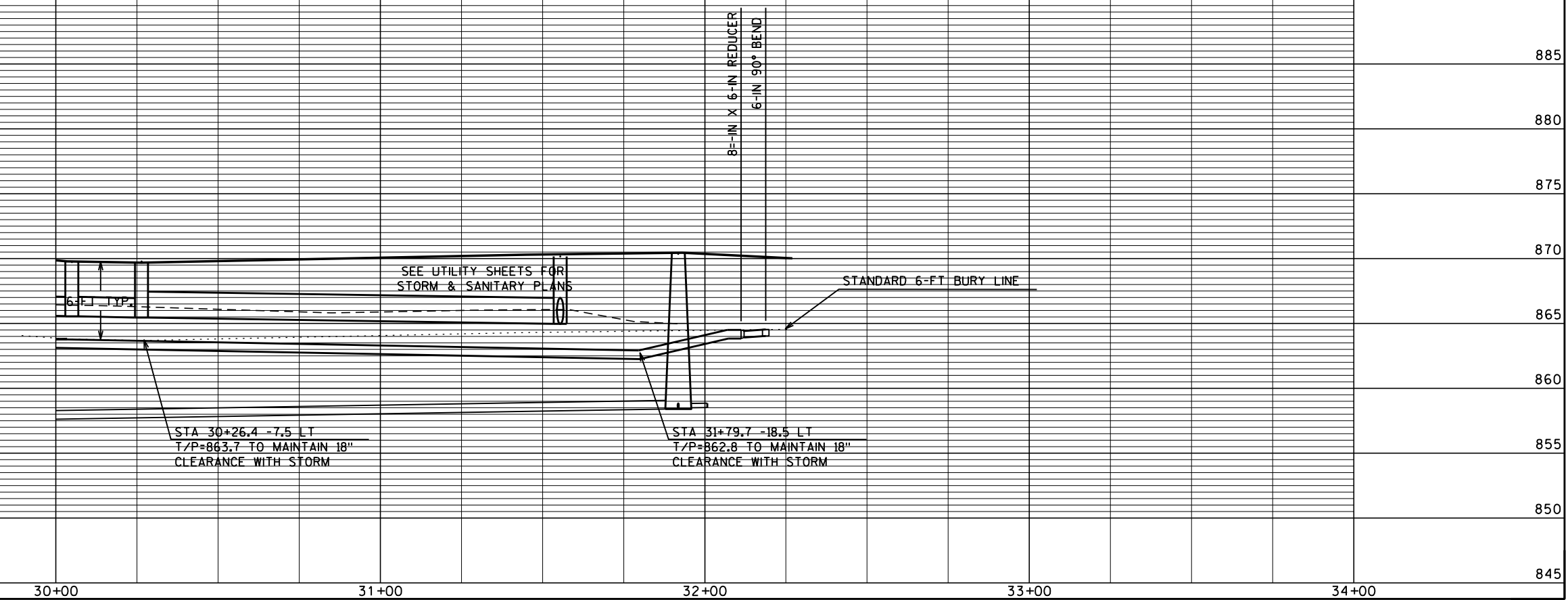
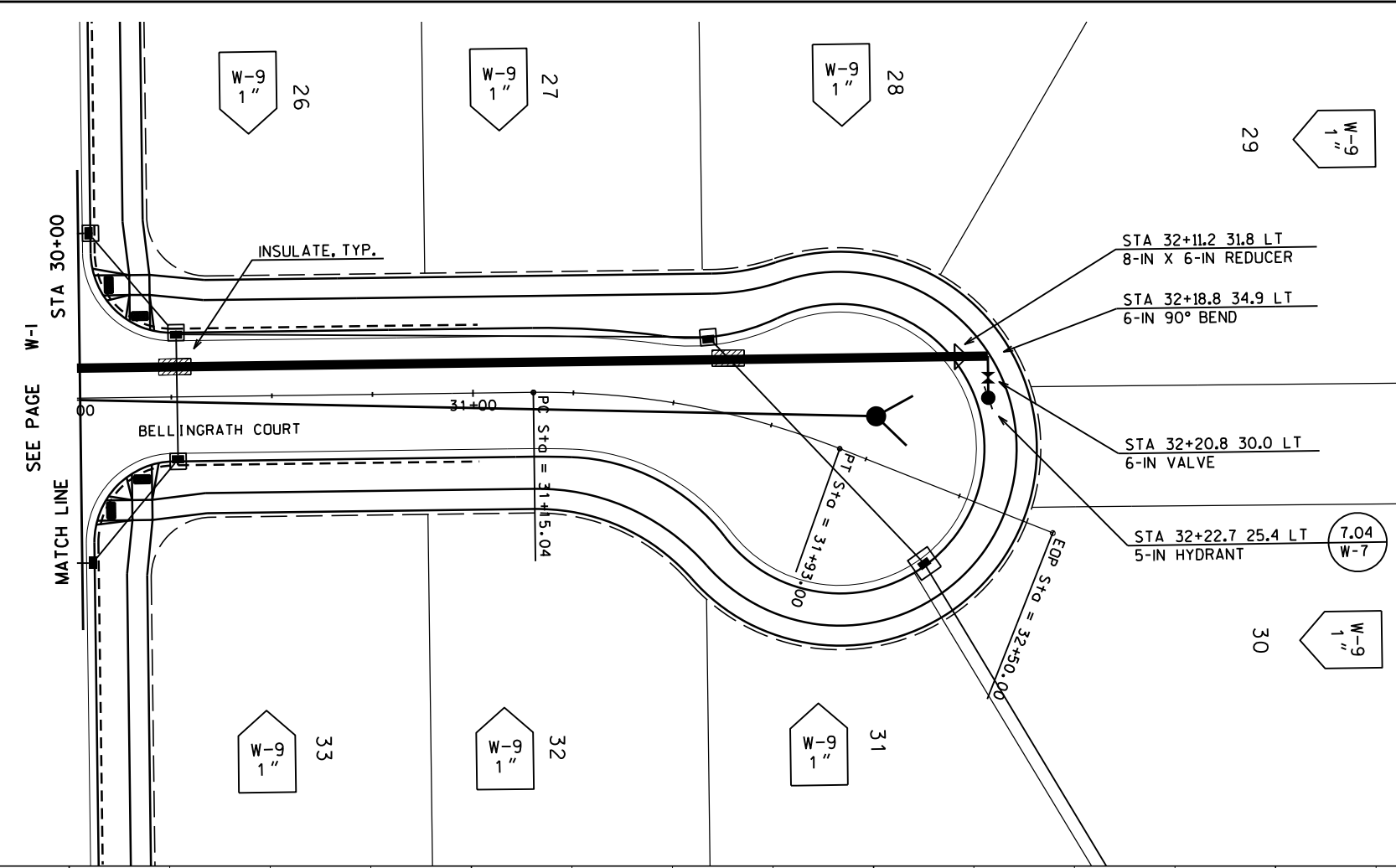
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REFLECT UTILITY PLAN
REVISIONS



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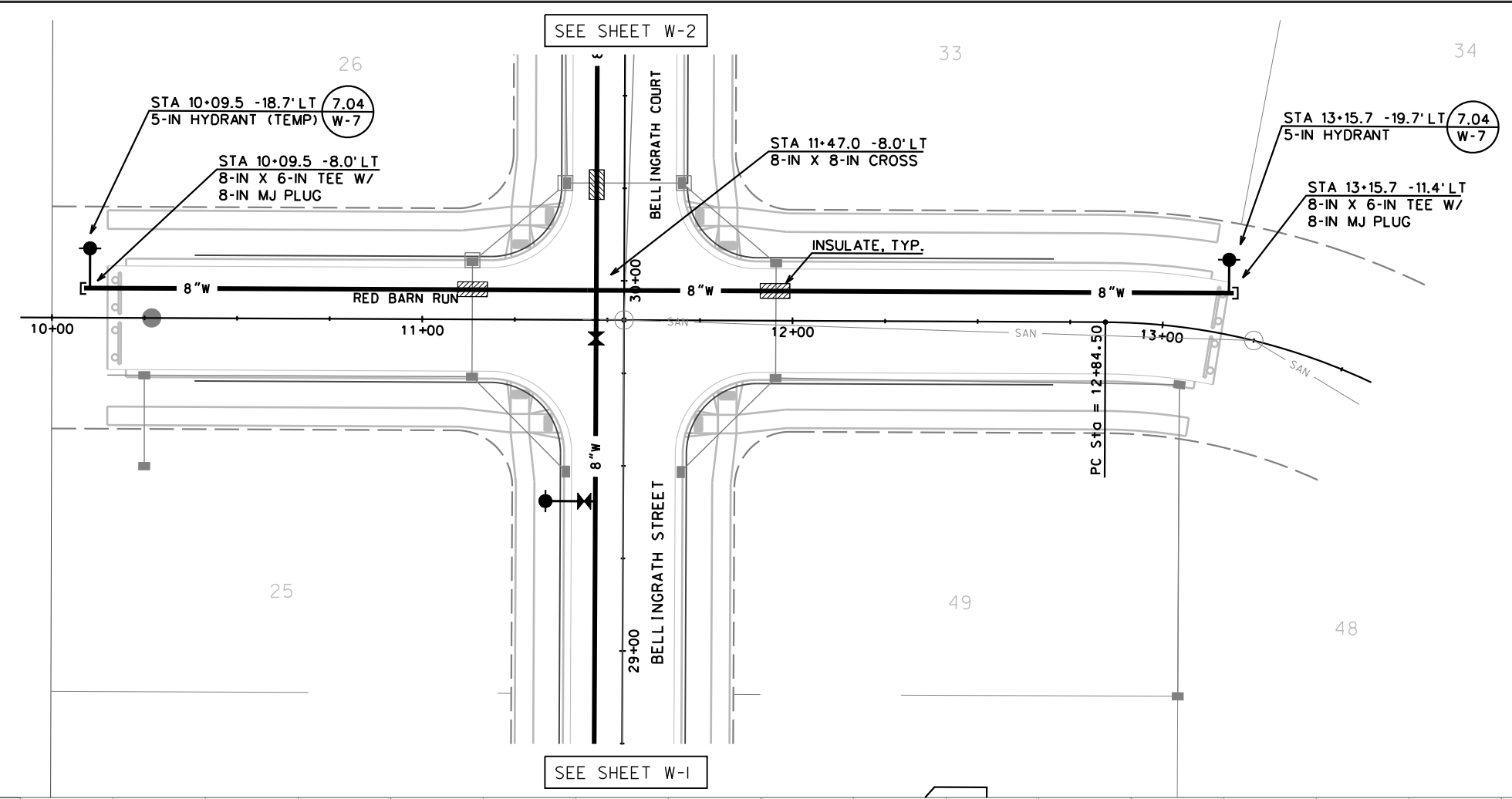
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WATER PLAN AND PROFILE

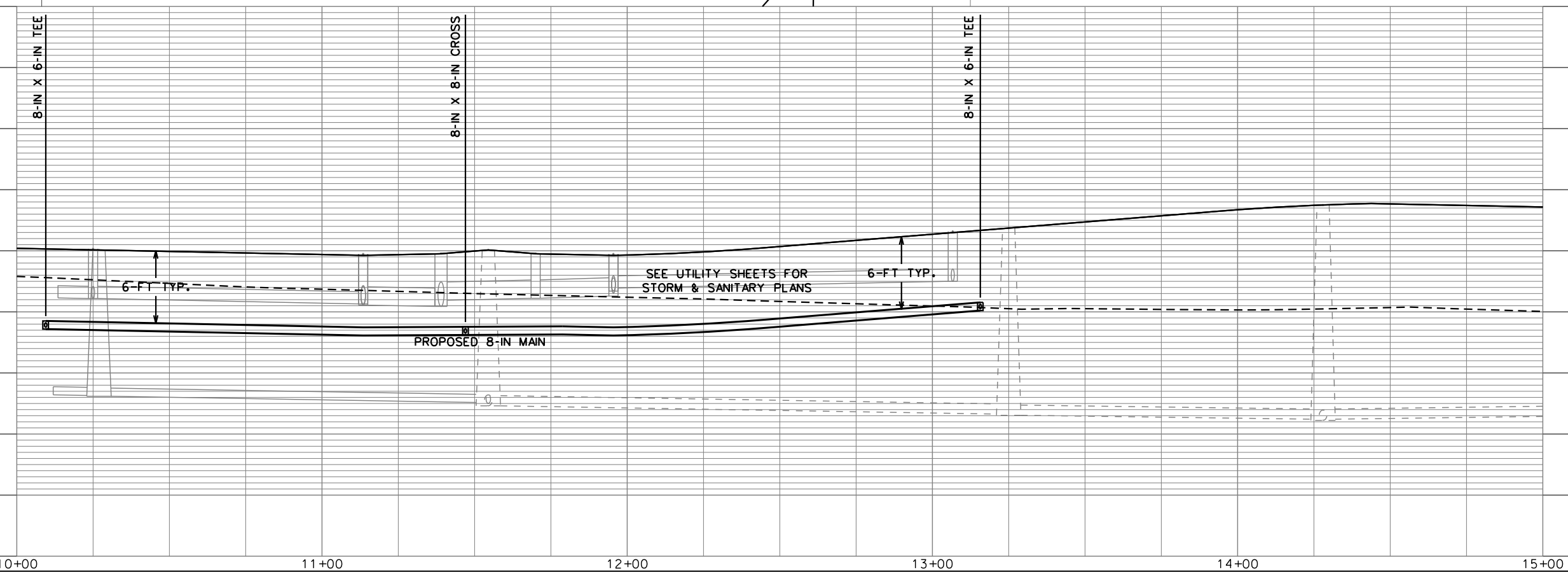
RED BARD RUN CITY OF MADISON
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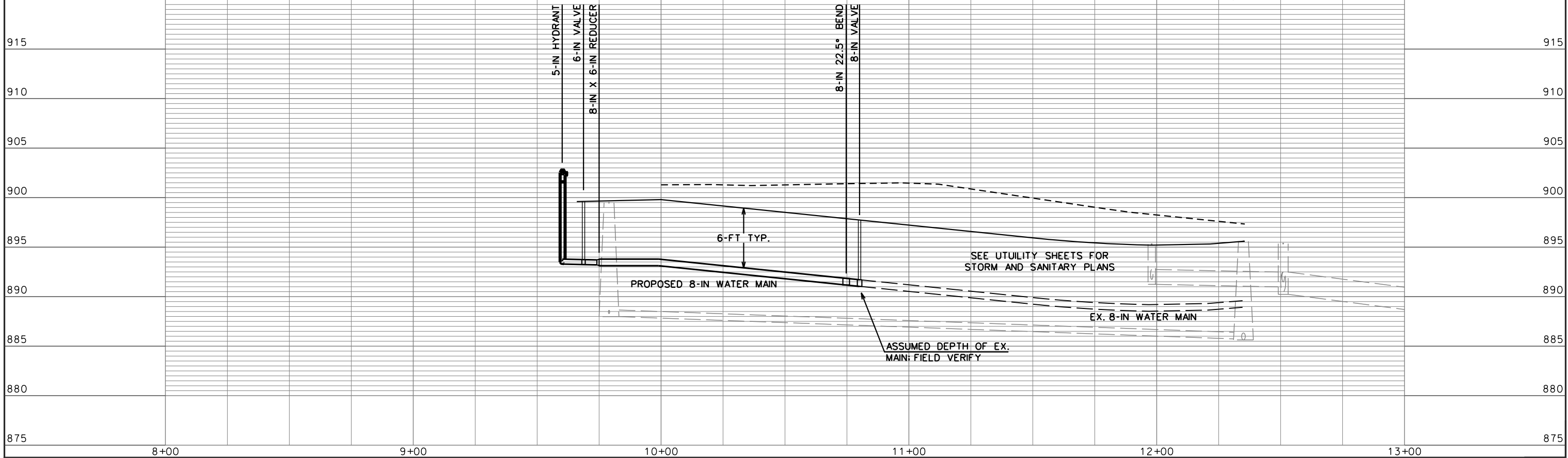
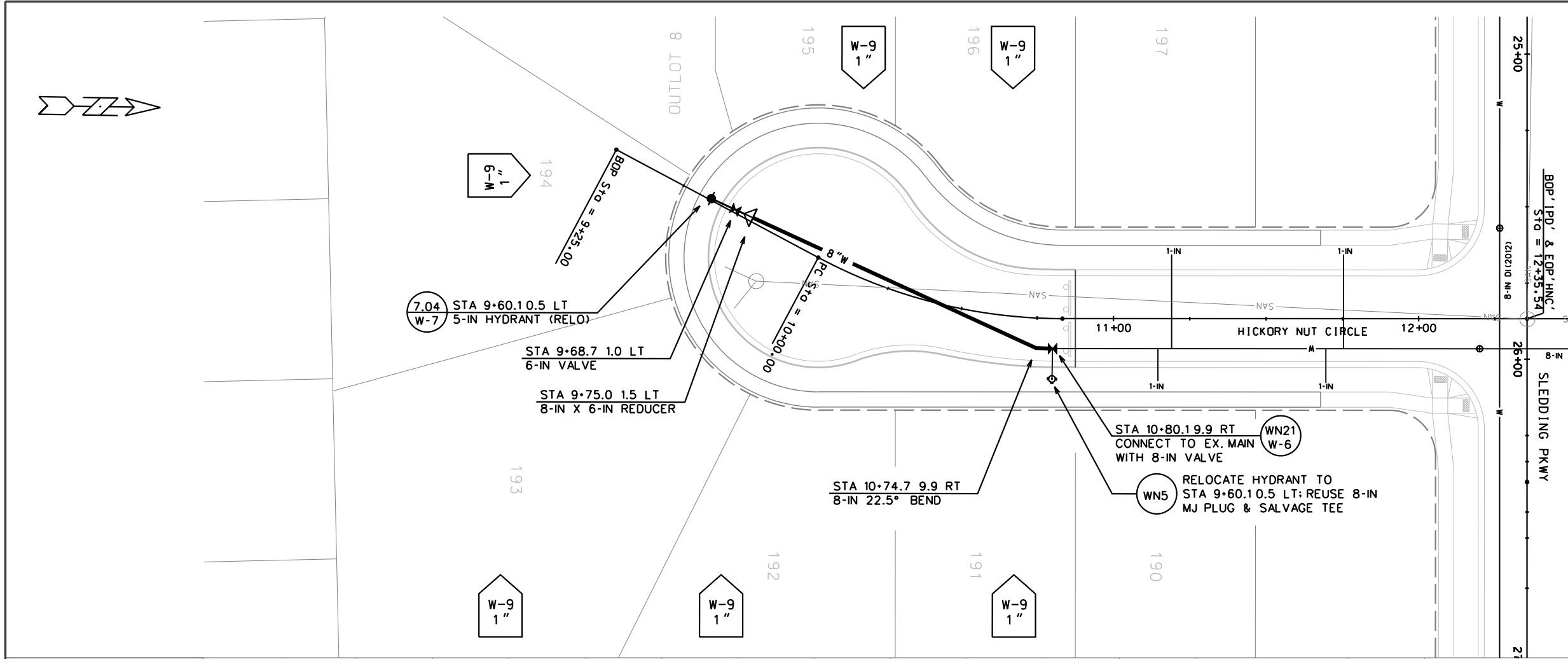


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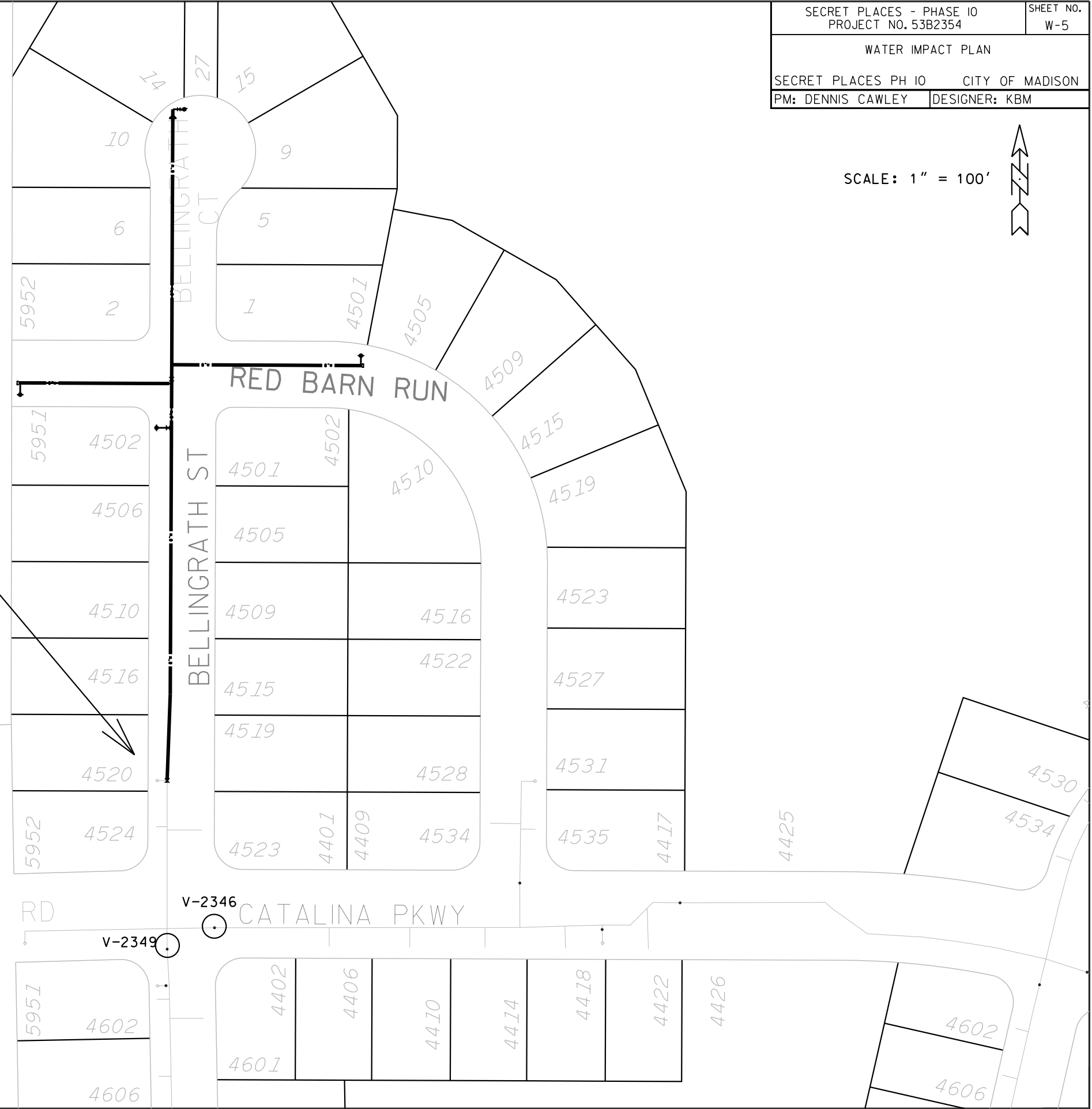
SCALE: 1" = 100'



WN20 PLUG REMOVAL CONNECTION
W-1 BELLINGRATH STREET

 ISOLATING VALVES:
 -V-2349, V-2346

 NOTIFICATIONS:
 -4523, 4524 BELLINGRATH ST



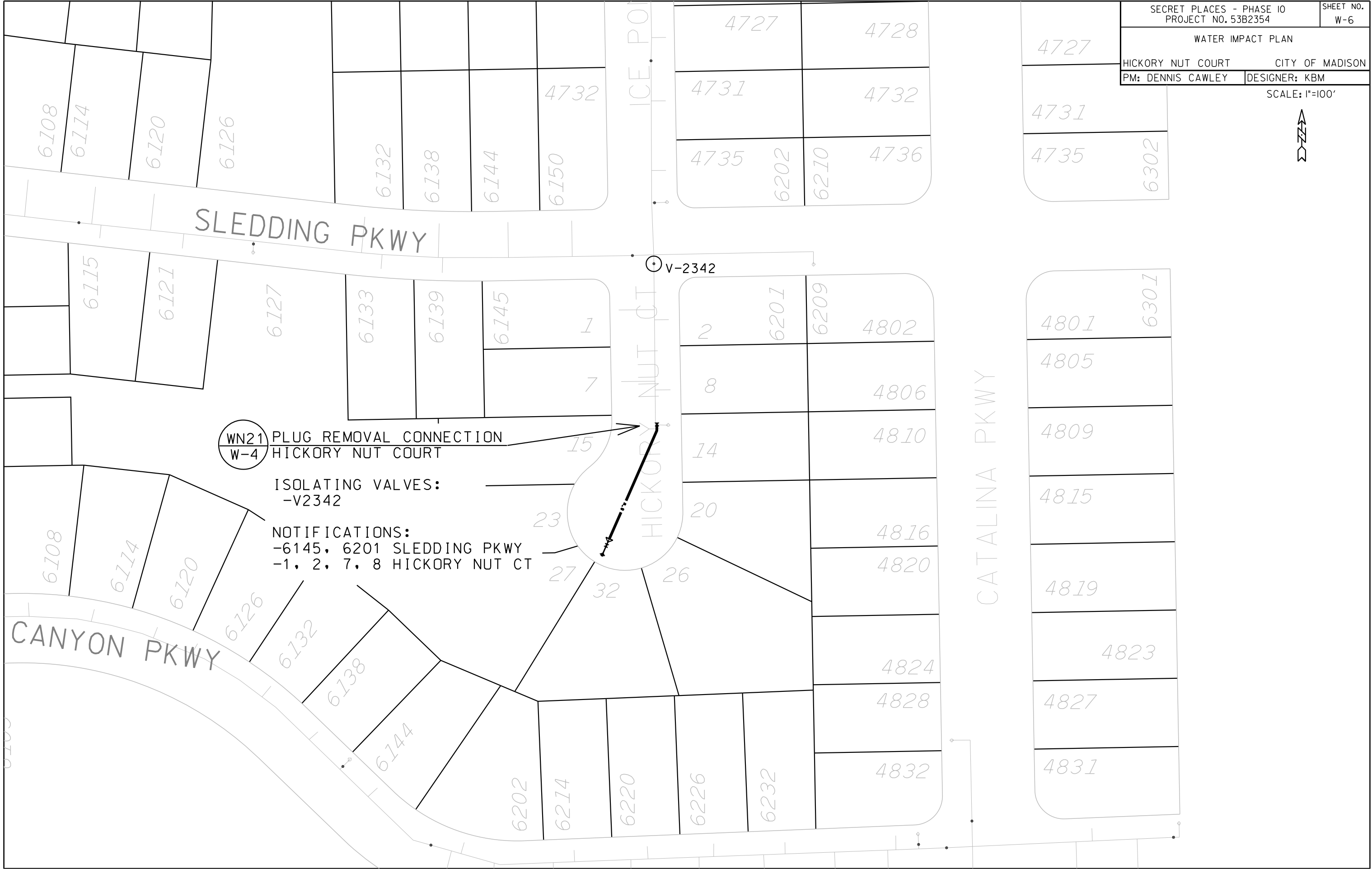
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER IMPACT PLAN

HICKORY NUT COURT CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: KBM

SCALE: 1"=100'



WN21 PLUG REMOVAL CONNECTION
W-4 HICKORY NUT COURT

ISOLATING VALVES:
-V2342

NOTIFICATIONS:
-6145, 6201 SLEDDING PKWY
-1, 2, 7, 8 HICKORY NUT CT

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 DISTRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
 4. EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN IS TESTED AND ACCEPTED BY MADISON WATER UTILITY AND ALL SERVICES ARE RECONNECTED.
 5. 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.

- 80-FT - 6-IN PIPE
- 1020-FT - 8-IN PIPE
- 1265-FT - POLYWRAP
- 3 - 6-IN VALVE AND BOX
- 2 - 8-IN VALVE AND BOX
- 2 - 8-IN X 6-IN TEE
- 1 - 8-IN X 8-IN CROSS
- 1 - 6-IN 90° BEND
- 4 - 8-IN 22.5° BEND
- 2 - 8-IN X 6-IN REDUCER
- 3 - 5-IN HYDRANT
- 32-FT - 2-IN STYROFOAM INSULATION
- 1-IN COPPER TUBING (AS REQ'D)

REUSED MATERIALS:

- 2 - 5-IN HYDRANT
- 1 - 8-IN X 6-IN TEE
- 2 - 8-IN MJ PLUG

SALVAGED MATERIALS:

- 1 - 8-IN X 6-IN TEE



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