



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## WOODSTONE PHASE 3

PUBLIC IMPROVEMENT PROJECT APPROVED  
SEPTEMBER 3, 2013  
BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*[Signature]* 12/6/13  
City Engineer Date

INDEX OF SHEETS - STREETS

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1	NOTES AND DETAILS
D1 - D4	NOTES AND DETAILS
P1 - P3	WILRICH ROAD PLAN AND PROFILE
P4	FARGO TRAIL PLAN AND PROFILE

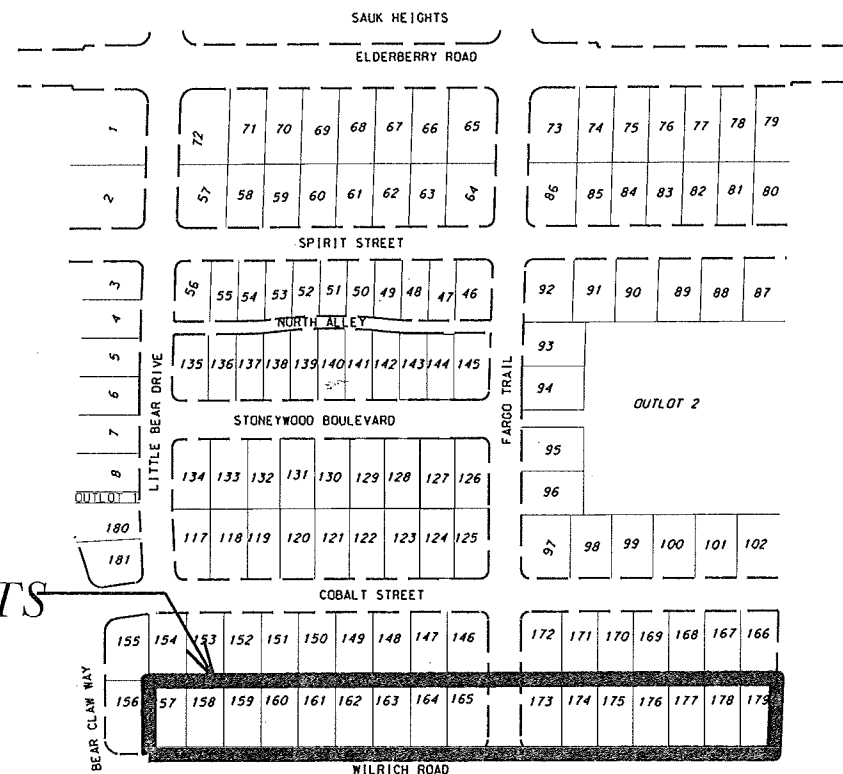
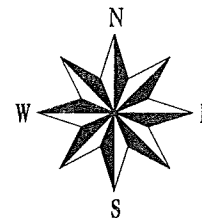
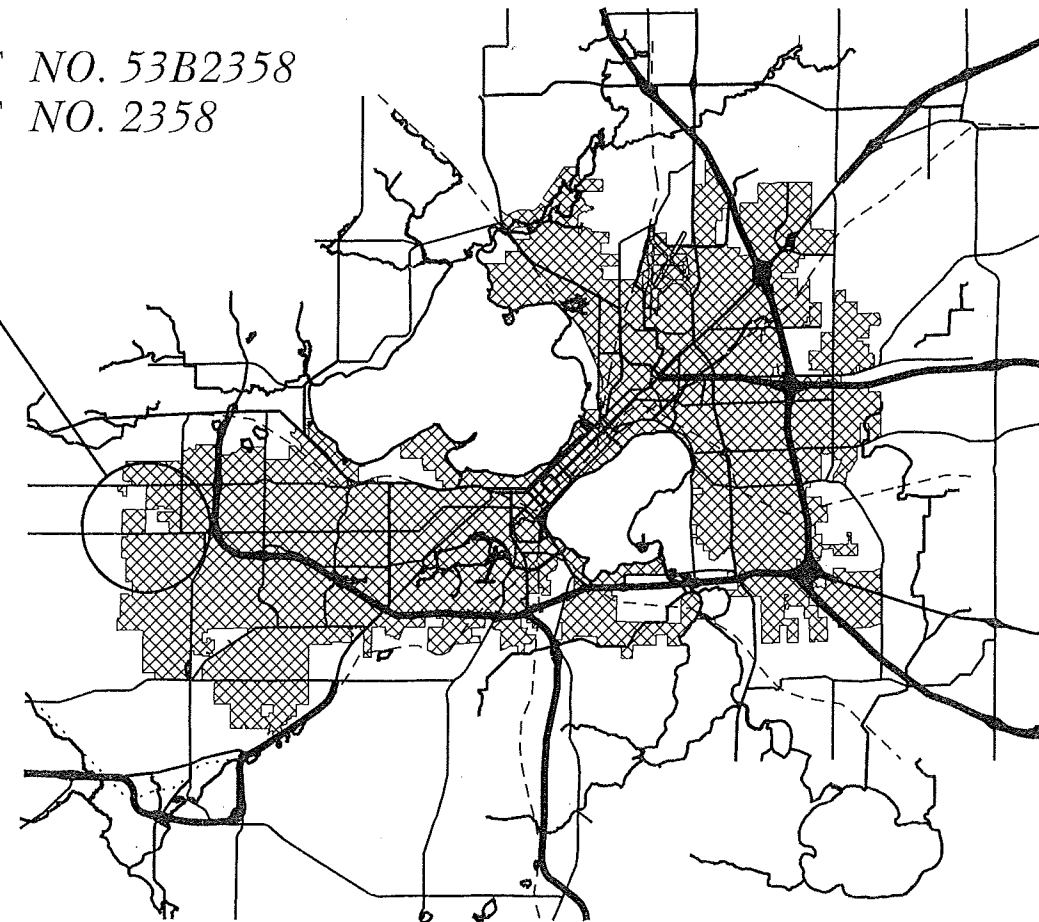
INDEX OF SHEETS - UTILITIES

U1-U3	WILRICH ROAD SEWER
U4	FARGO TRAIL SEWER
U5	COBALT STREET SEWER
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U8	STORM SEWER DETAILS
U9	SANITARY SEWER SCHEDULE
U10	STORM SEWER SCHEDULE
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W4	FARGO TRAIL WATER
W5	WATER IMPACT PLAN
W6	WATER ESTIMATE OF MATERIALS

WILRICH ROAD, FARGO TRAIL, AND UTILITIES ON  
COBALT STREET AND BEAR CLAW WAY

CITY PROJECT NO. 53B2358  
CONTRACT NO. 2358

PROJECT  
LOCATION



PLAT LIMITS

STREET GRADINGS  
DESIGNED BY:  
*[Signature]*  
LISA R. COLEMAN  
E-37708  
MADISON  
WI  
10/31/13  
PROFESSIONAL ENGINEER  
CIVIL ENGINEER

STORM SEWER  
DESIGNED BY:  
*[Signature]*  
COREY STELLJES  
41150  
MADISON  
WISCONSIN  
10-30-13  
PROFESSIONAL ENGINEER  
CIVIL ENGINEER

SANITARY SEWER  
DESIGNED BY:  
*[Signature]*  
COREY STELLJES  
41150  
MADISON  
WISCONSIN  
10-30-13  
PROFESSIONAL ENGINEER  
CIVIL ENGINEER

WATER DISTRIBUTION  
DESIGNED BY:

*[Signature]*  
PETER E. HOLMGREN  
E-42156  
MADISON  
WI  
10/30/13  
PROFESSIONAL ENGINEER  
CIVIL ENGINEER

SIGNAL, LIGHTING & ELECTRICAL  
DESIGNED BY:

TRAFFIC ENGINEER

GEOMETRICS  
DESIGNED BY:

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.

FARGO TRAIL PAVEMENT SHALL BE TYPE "A" AND WILRICH ROAD PAVEMENT SHALL BE TYPE "B" PER STANDARD DETAIL DRAWING 4.02.

ALL ISLANDS SHALL HAVE TYPE "E" C & G PER S.D.D. 3.08 (EXCEPT WHERE SPECIFIED DIFFERENTLY ON DRAWING) 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.

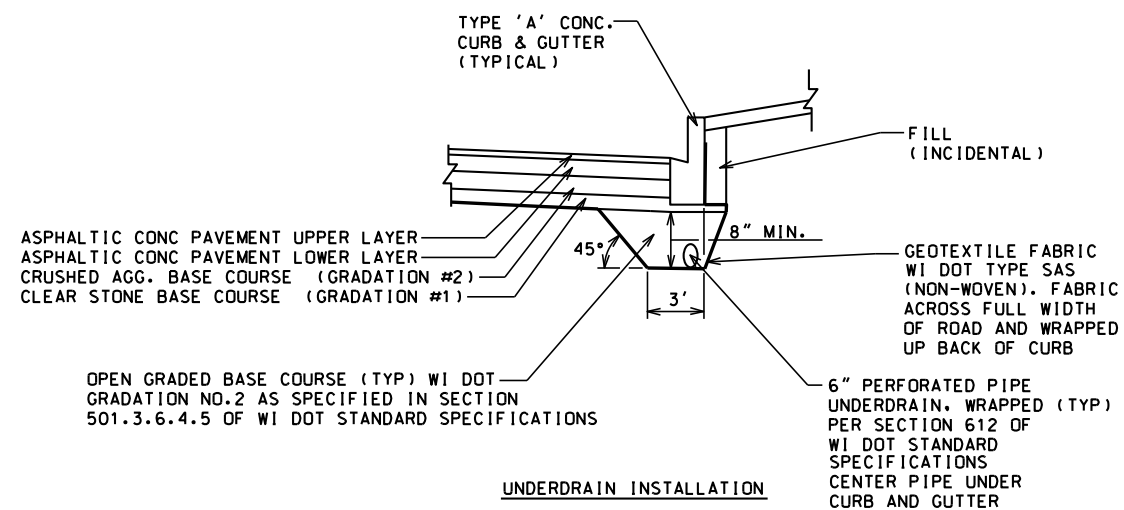
THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

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.



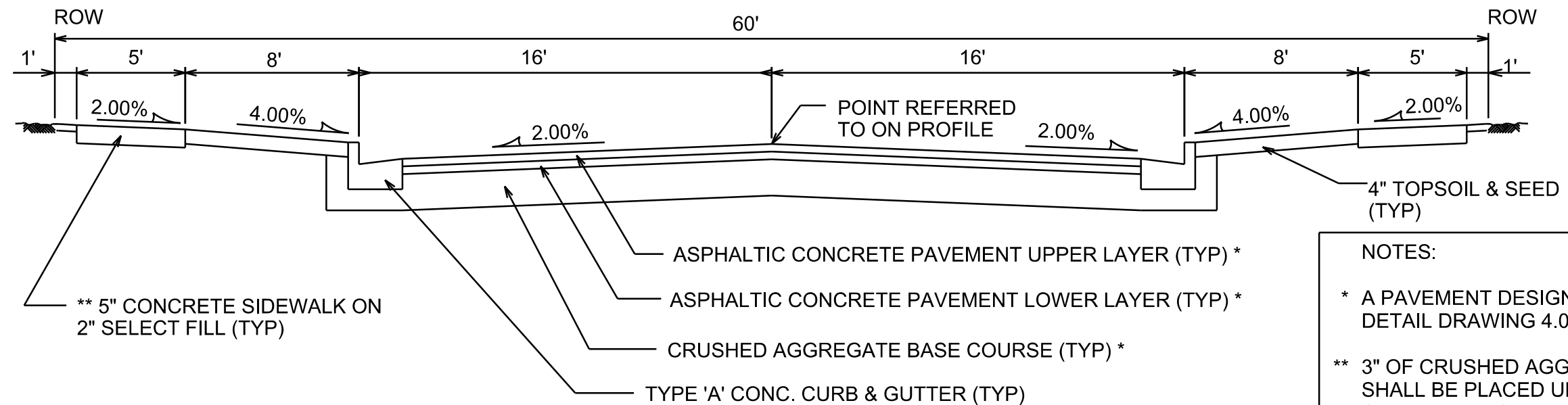
PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

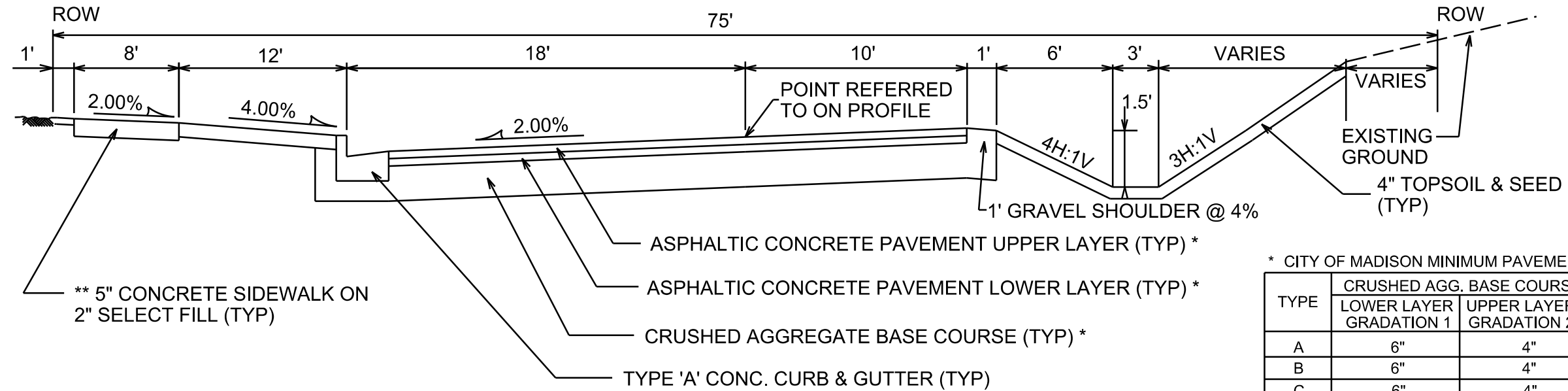
### TYPICAL SECTION FARGO TRAIL



**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%

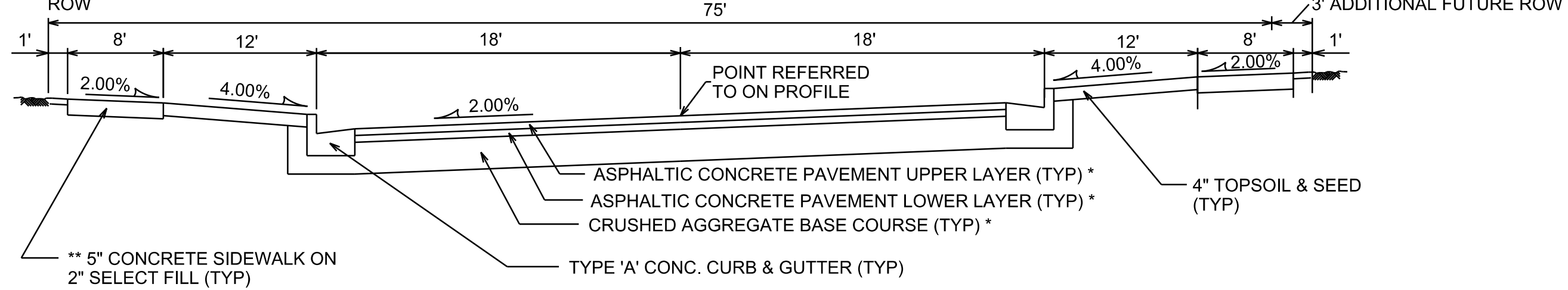
### TYPICAL SECTION WILRICH ROAD



\* CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	TYPE	THICKNESS	TYPE	THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.50"	E-1	1.75"
C	6"	4"	E-3	3.50"	E-3	1.75"

### TYPICAL FUTURE SECTION WILRICH ROAD - FOR INFORMATION ONLY



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

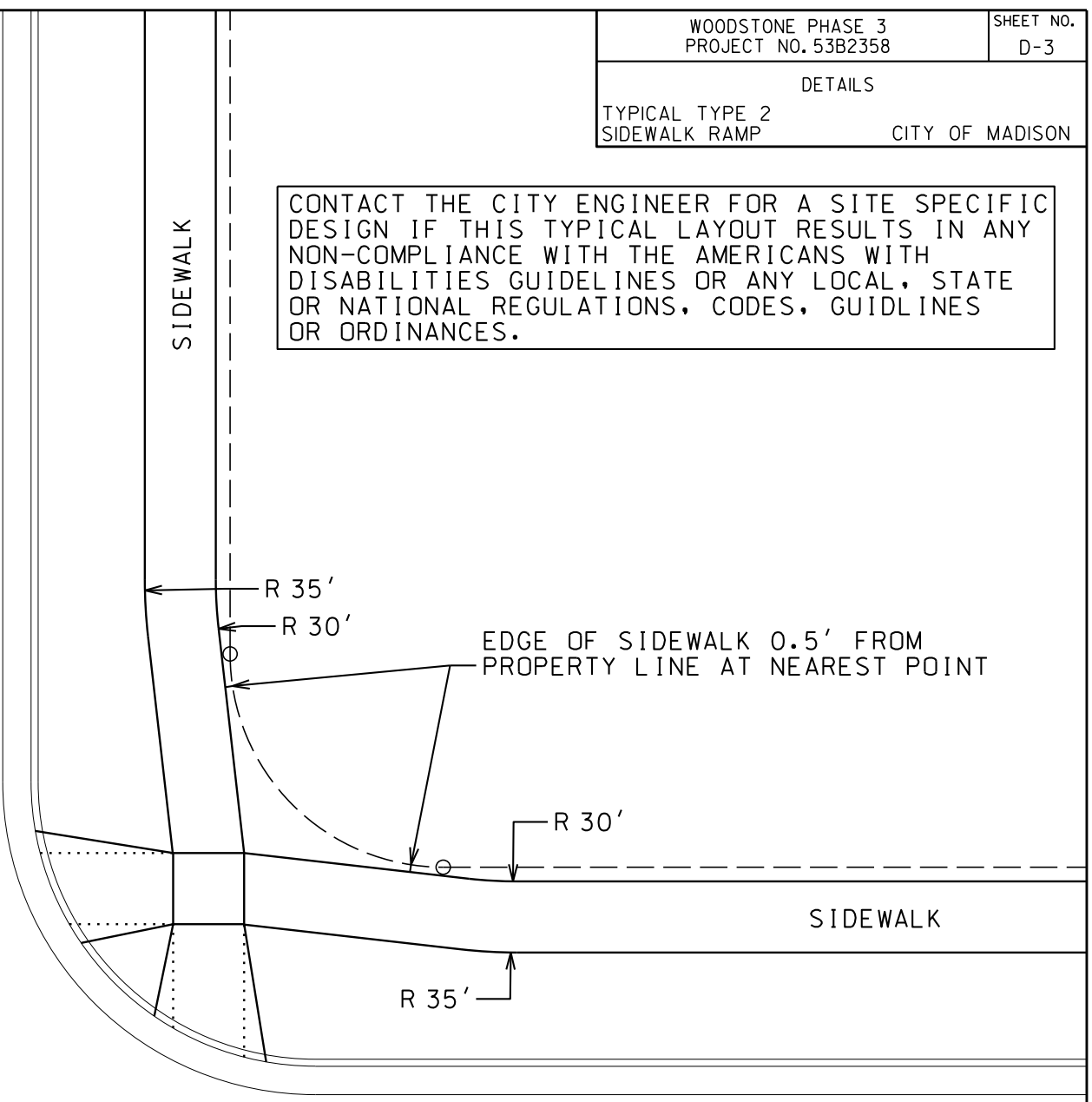
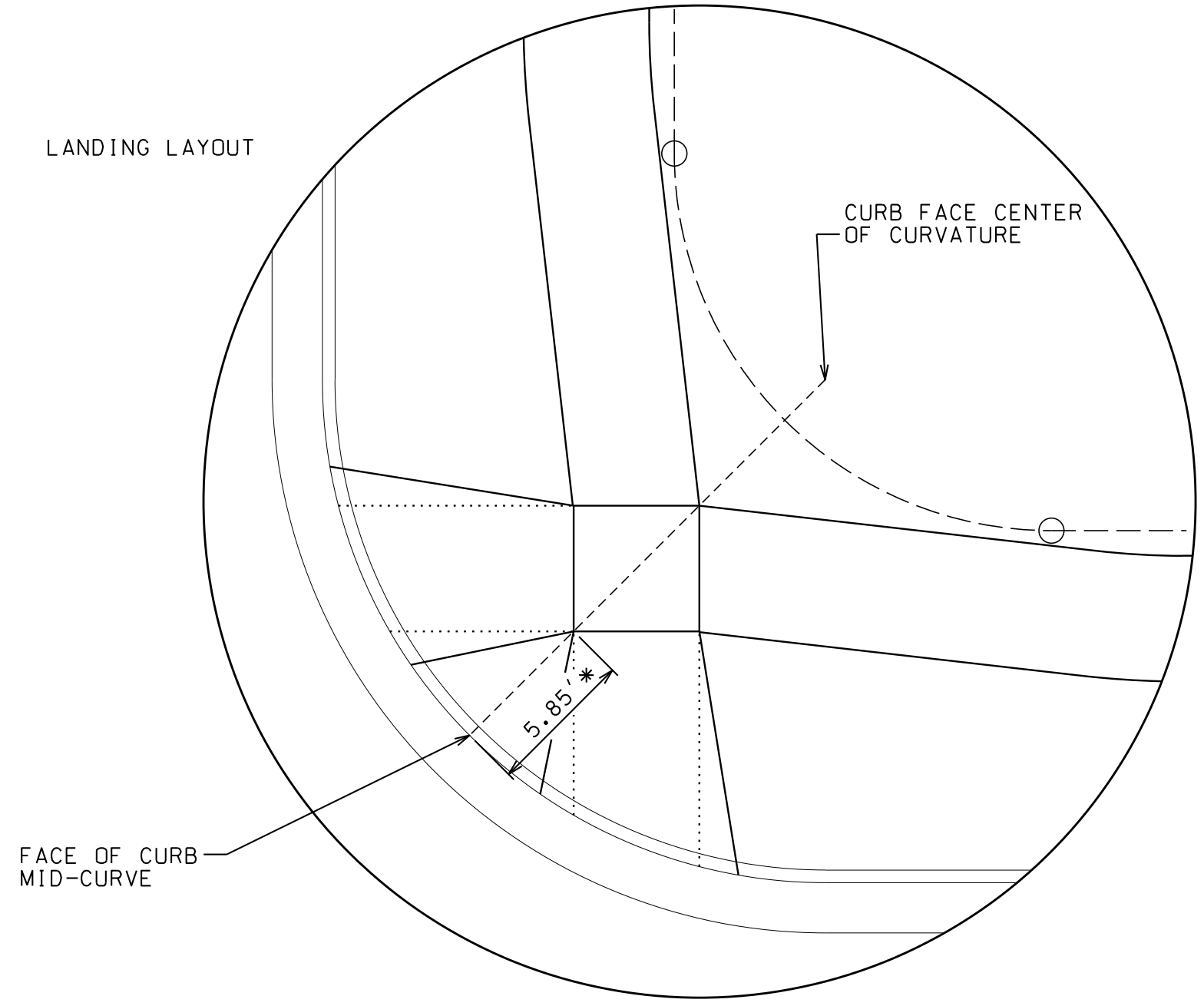
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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.

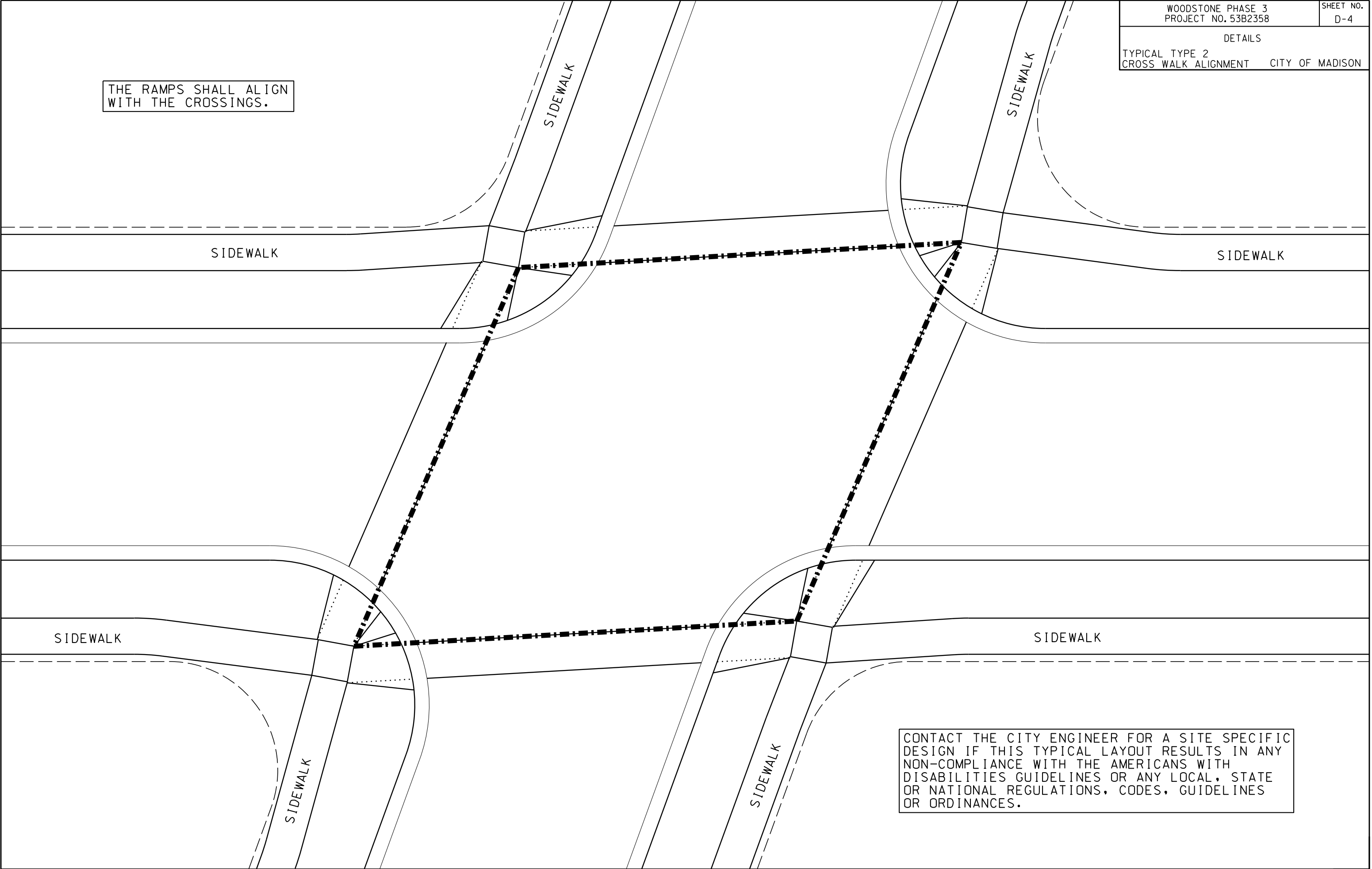
LONGITUDINAL RAMP GRADES SHALL NOT EXCEED 1"/12" NOR BE LESS THAN 2.0% AT ANY POINT. THIS NOTE SHALL TAKE PRECEDENCE OVER ANY ELEVATION OR GRADE INDICATED ON THE PLAN.

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.

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

THE RAMPS SHALL ALIGN  
WITH THE CROSSINGS.



CONTACT THE CITY ENGINEER FOR A SITE SPECIFIC  
DESIGN IF THIS TYPICAL LAYOUT RESULTS IN ANY  
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OR ORDINANCES.

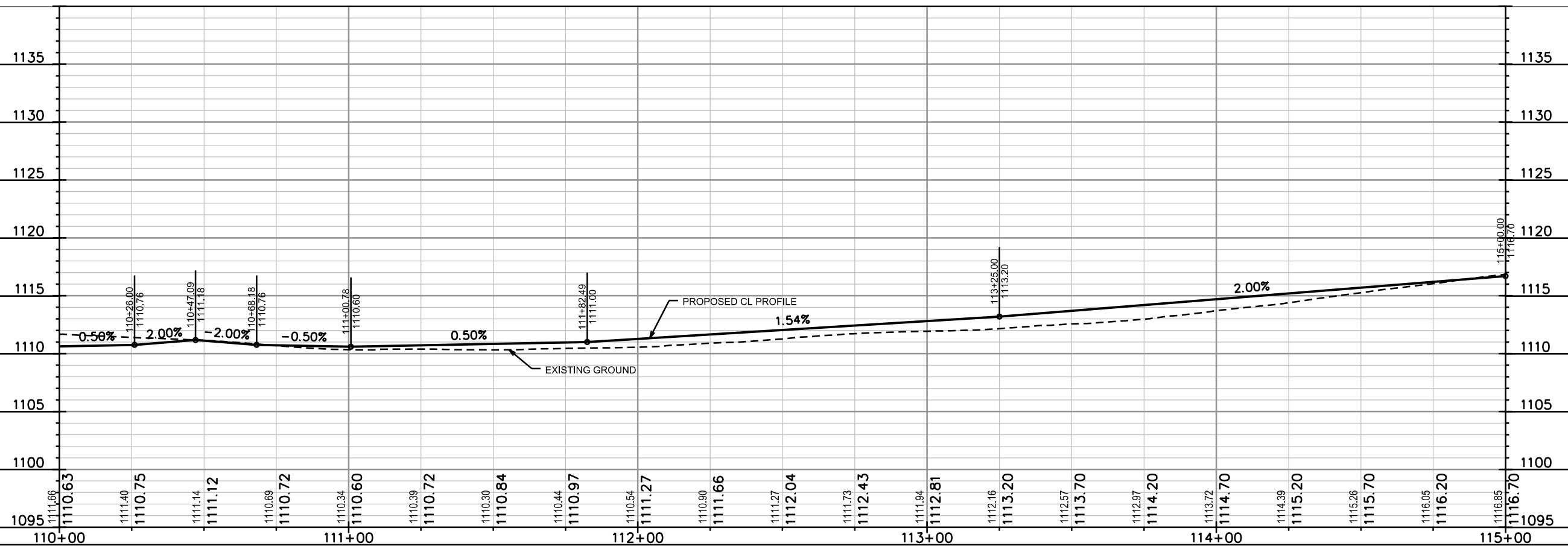
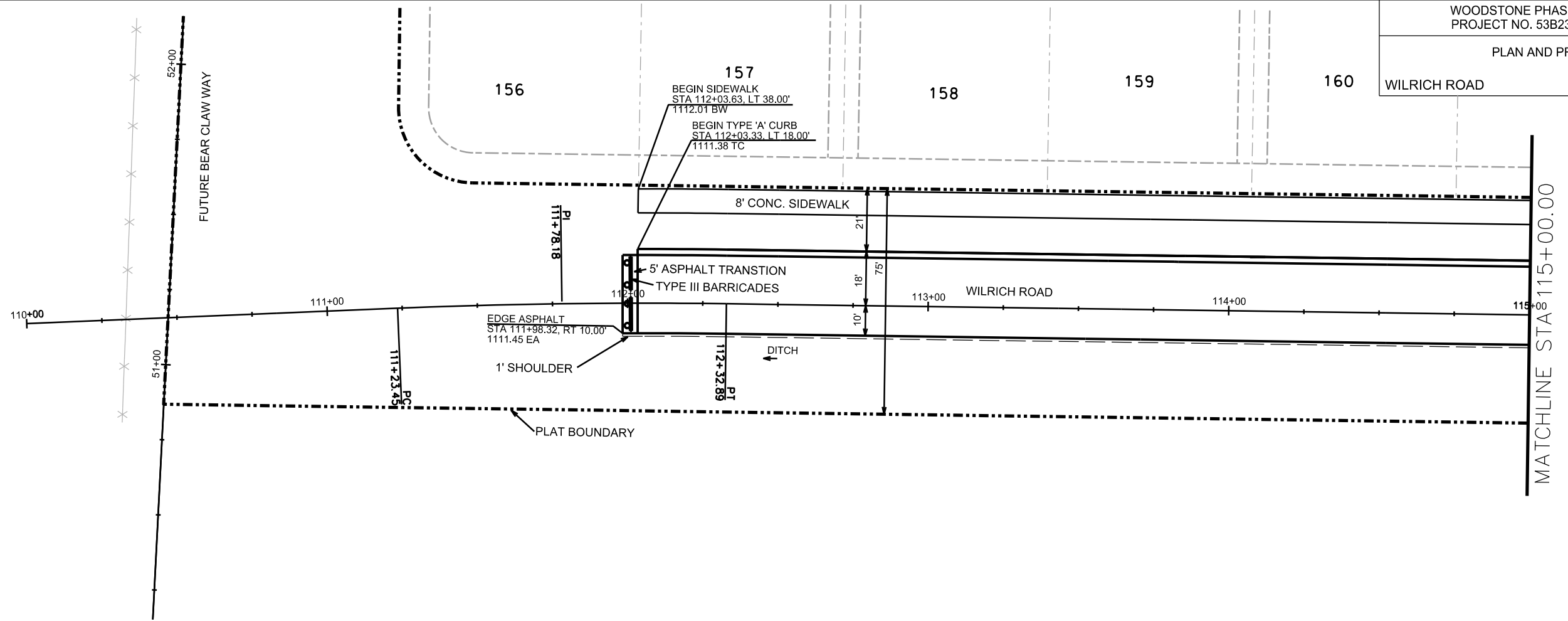
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PLOT NAME: \_\_\_\_\_  
PLOT SCALE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

WILRICH ROAD

CITY OF MADISON



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

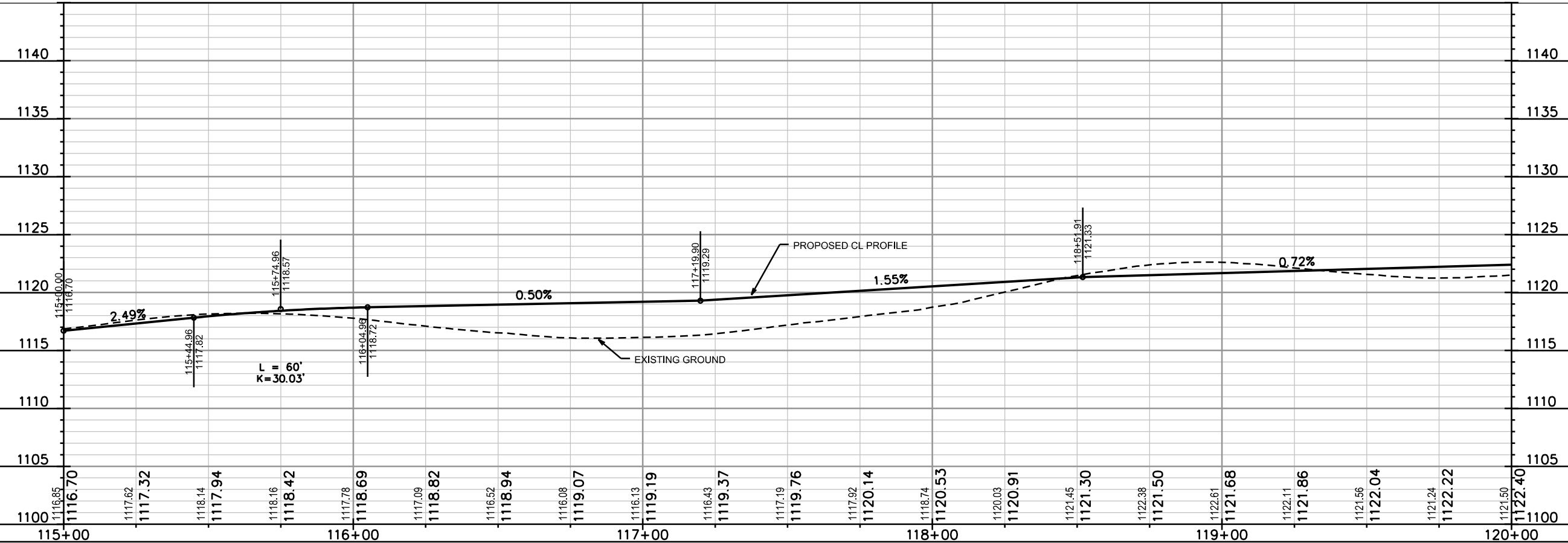
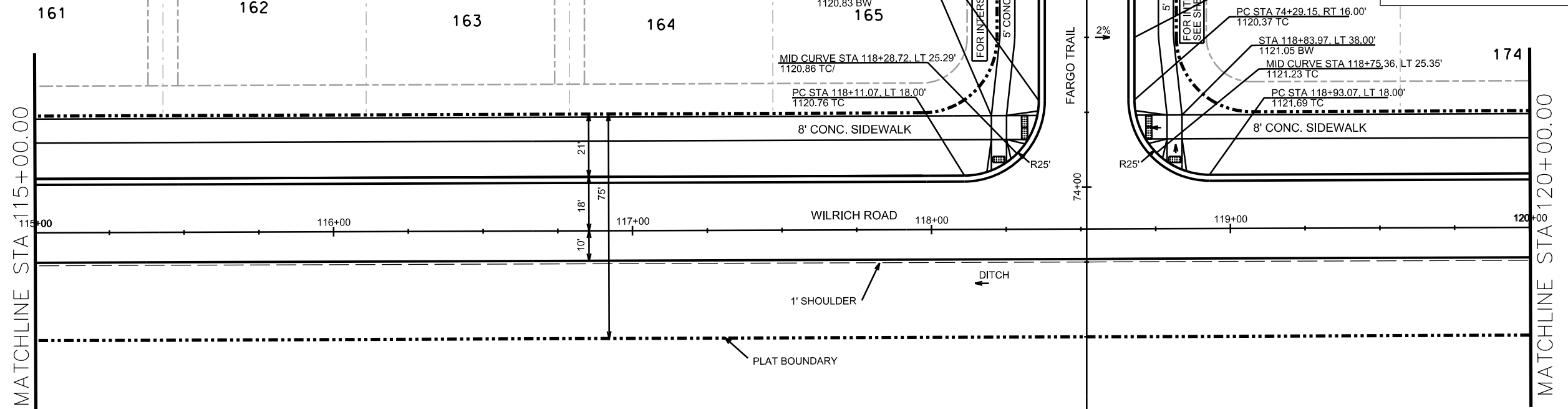
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PLAN AND PROFILE

WILRICH ROAD CITY OF MADISON



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

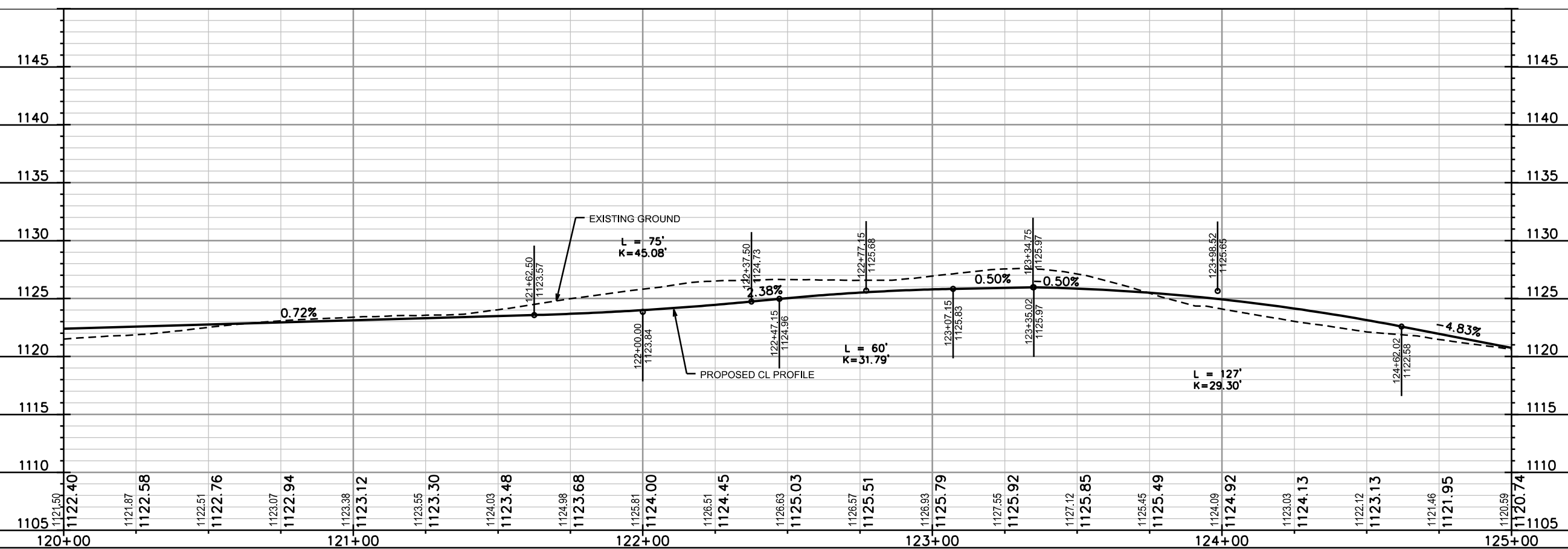
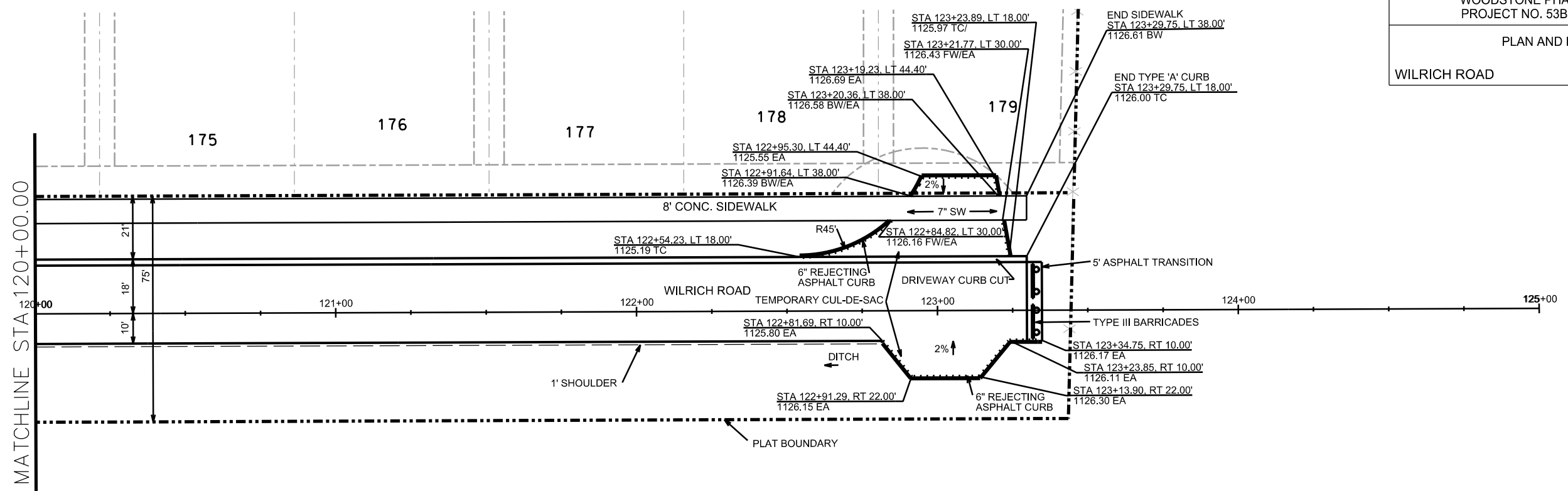
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PLAN AND PROFILE

WILRICH ROAD CITY OF MADISON



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

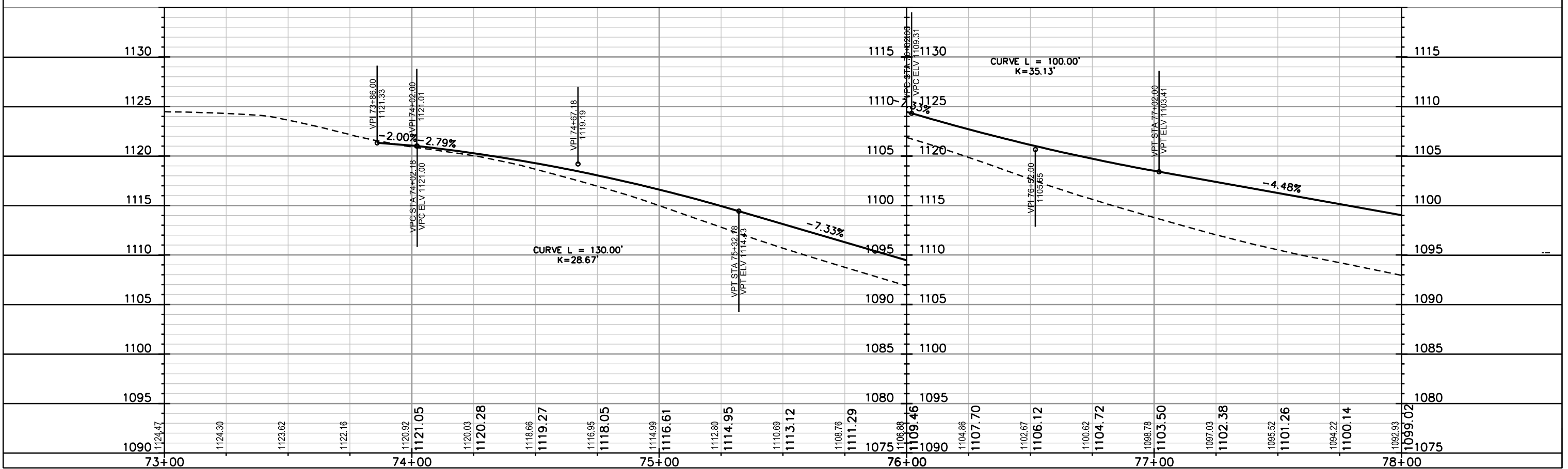
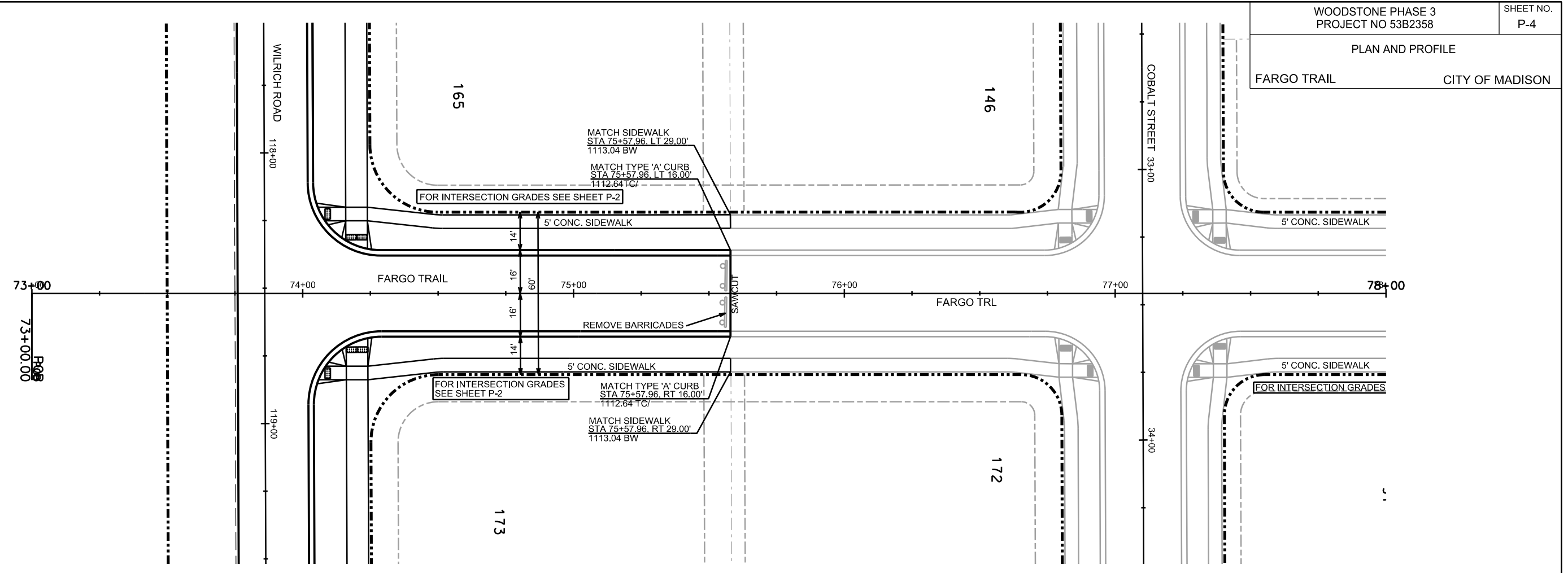
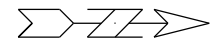
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE  
FARGO TRAIL CITY OF MADISON

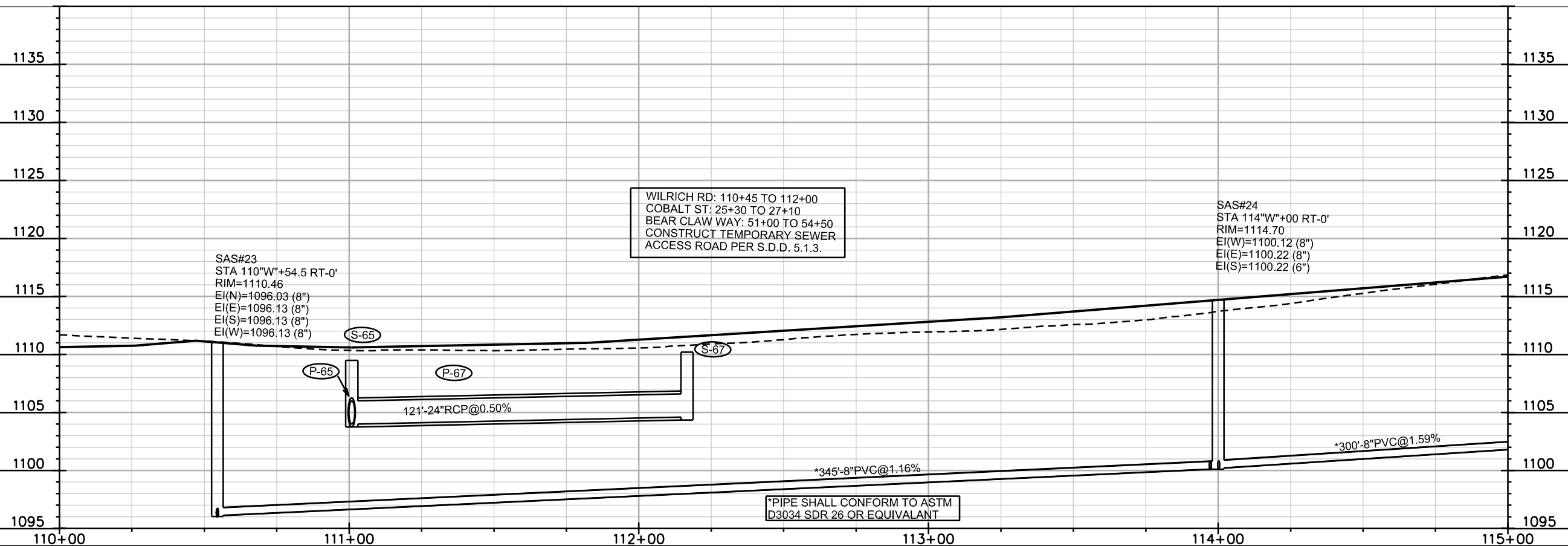
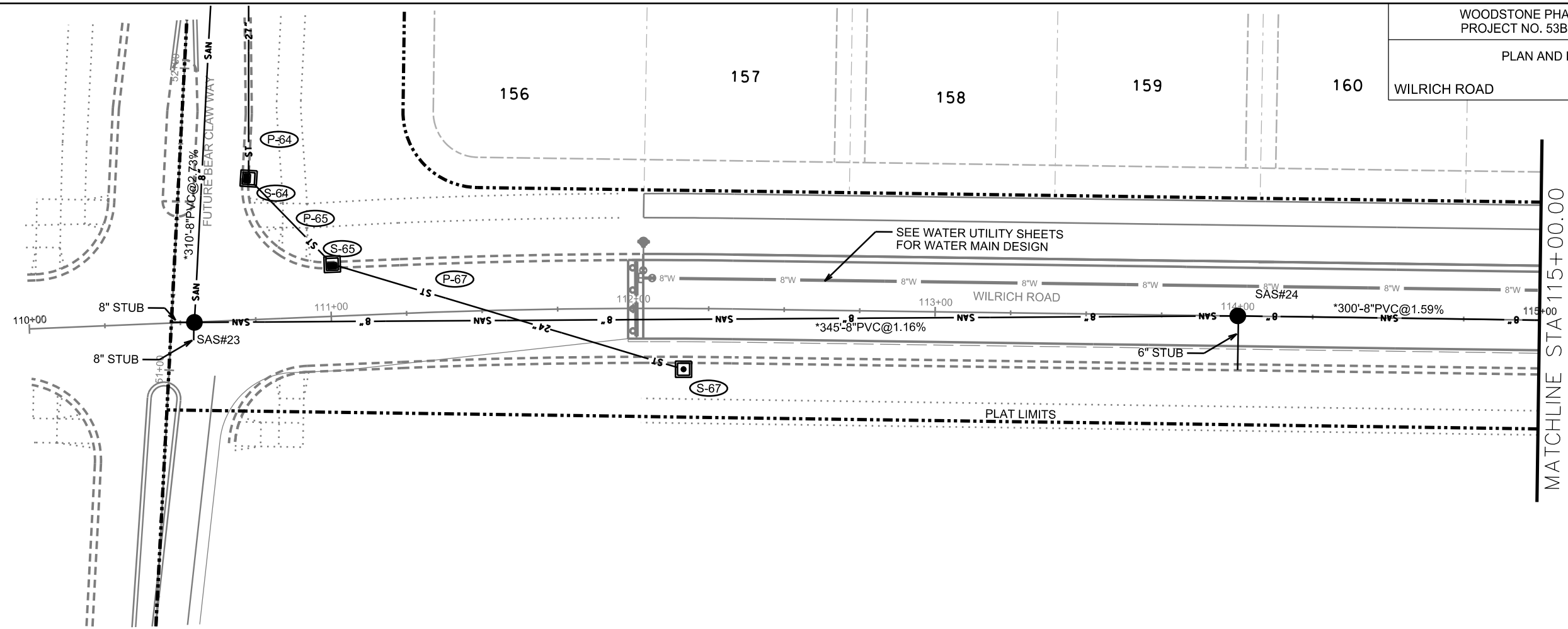


PLOT SCALE:

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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

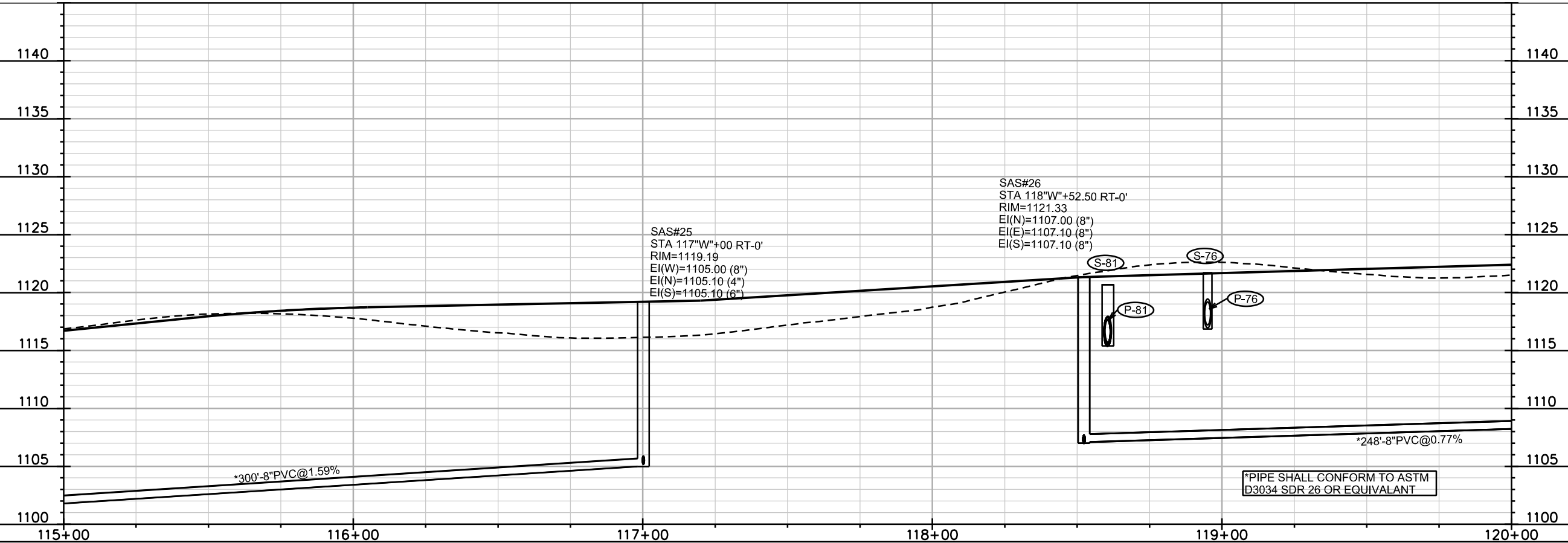
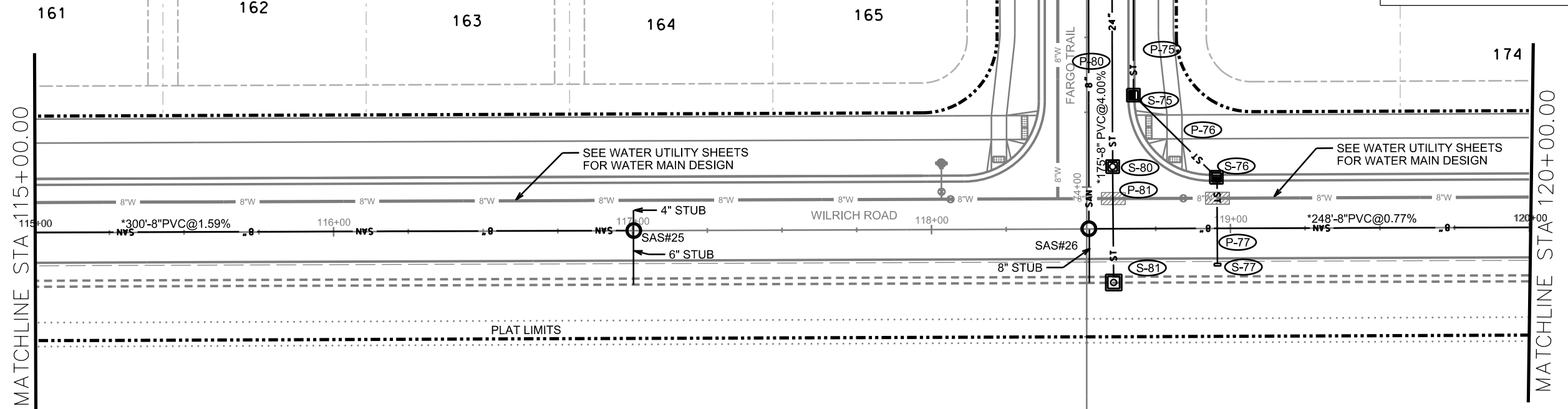


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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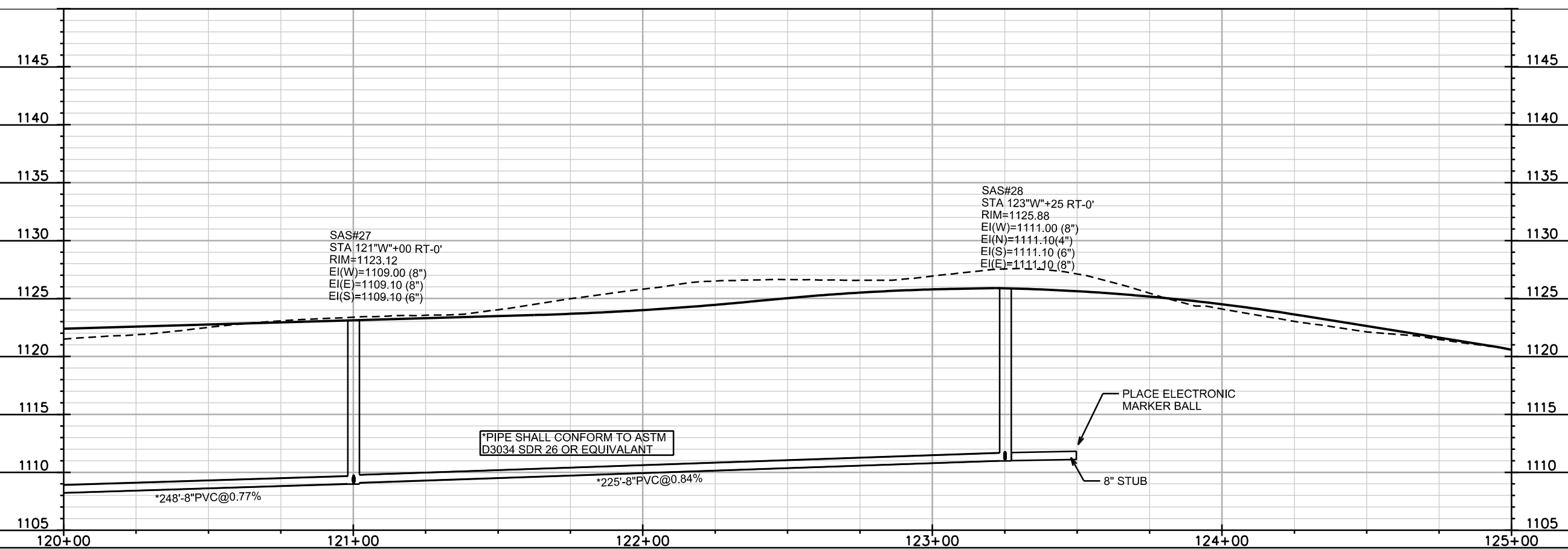
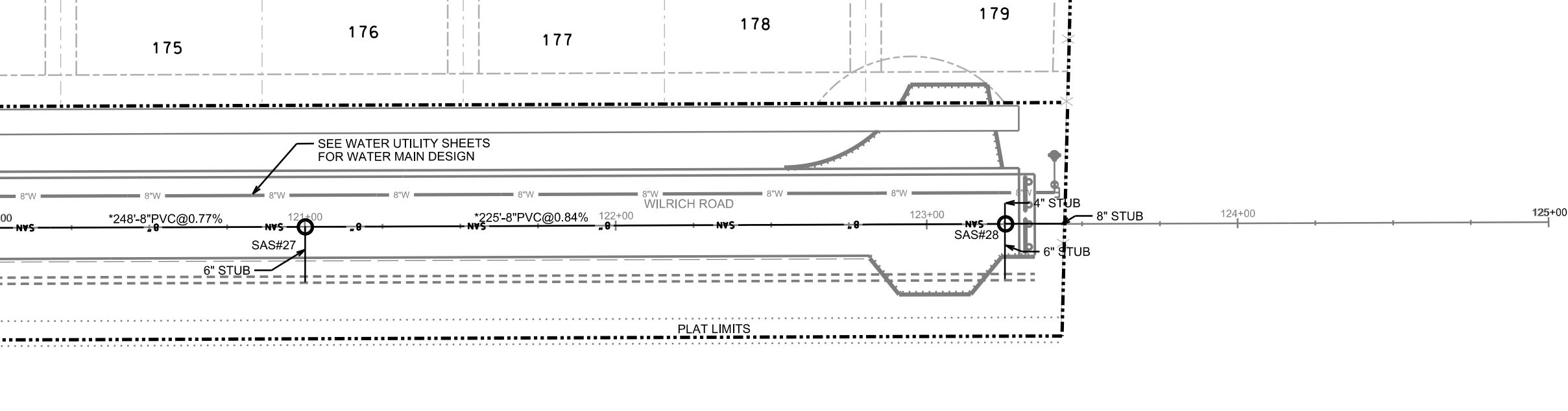
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 120+00.00



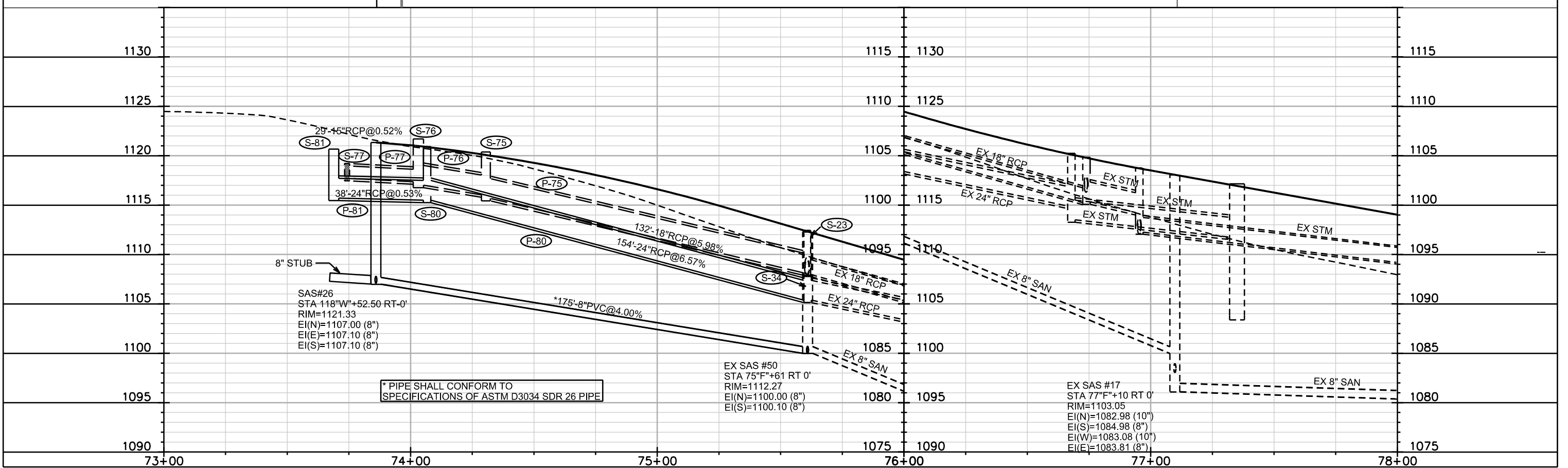
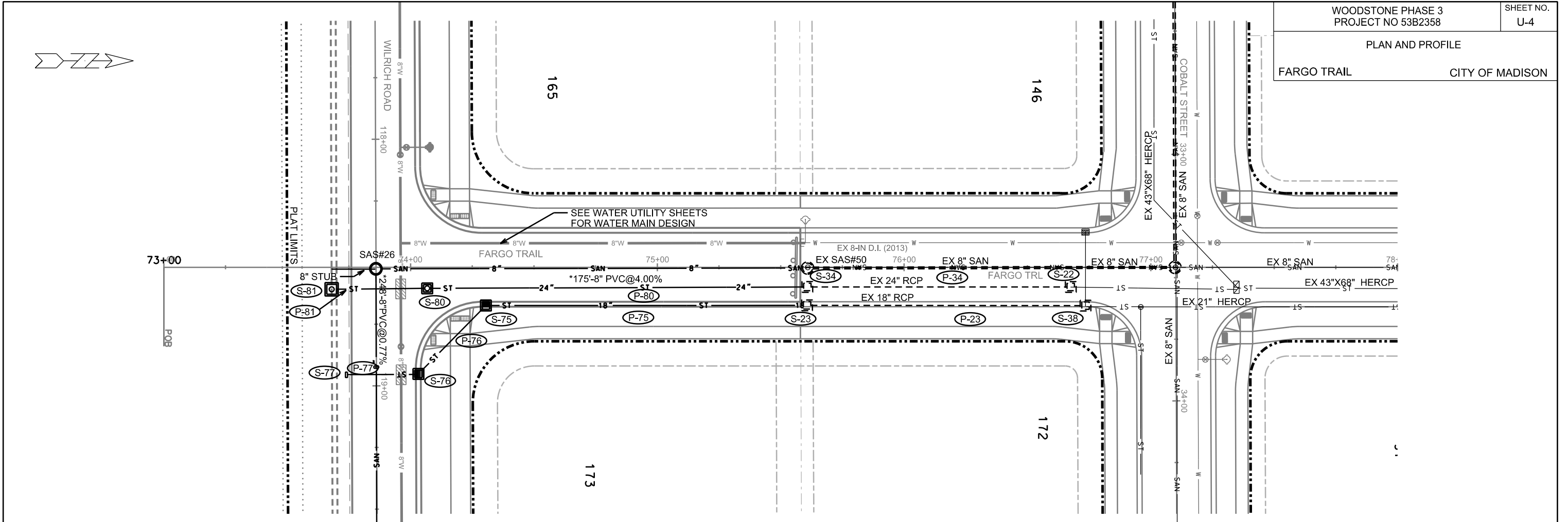
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PLOT NAME: \_\_\_\_\_

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

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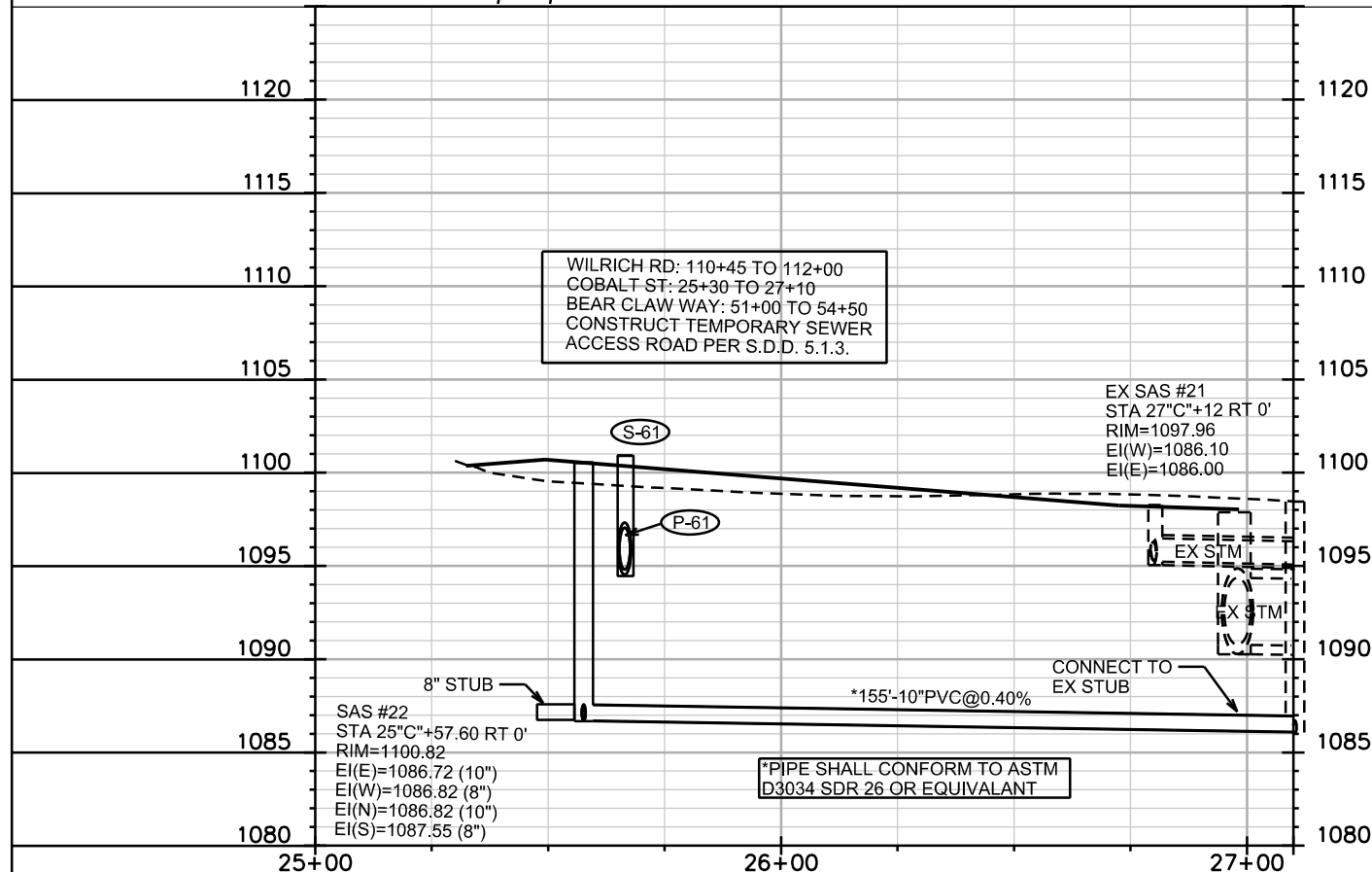
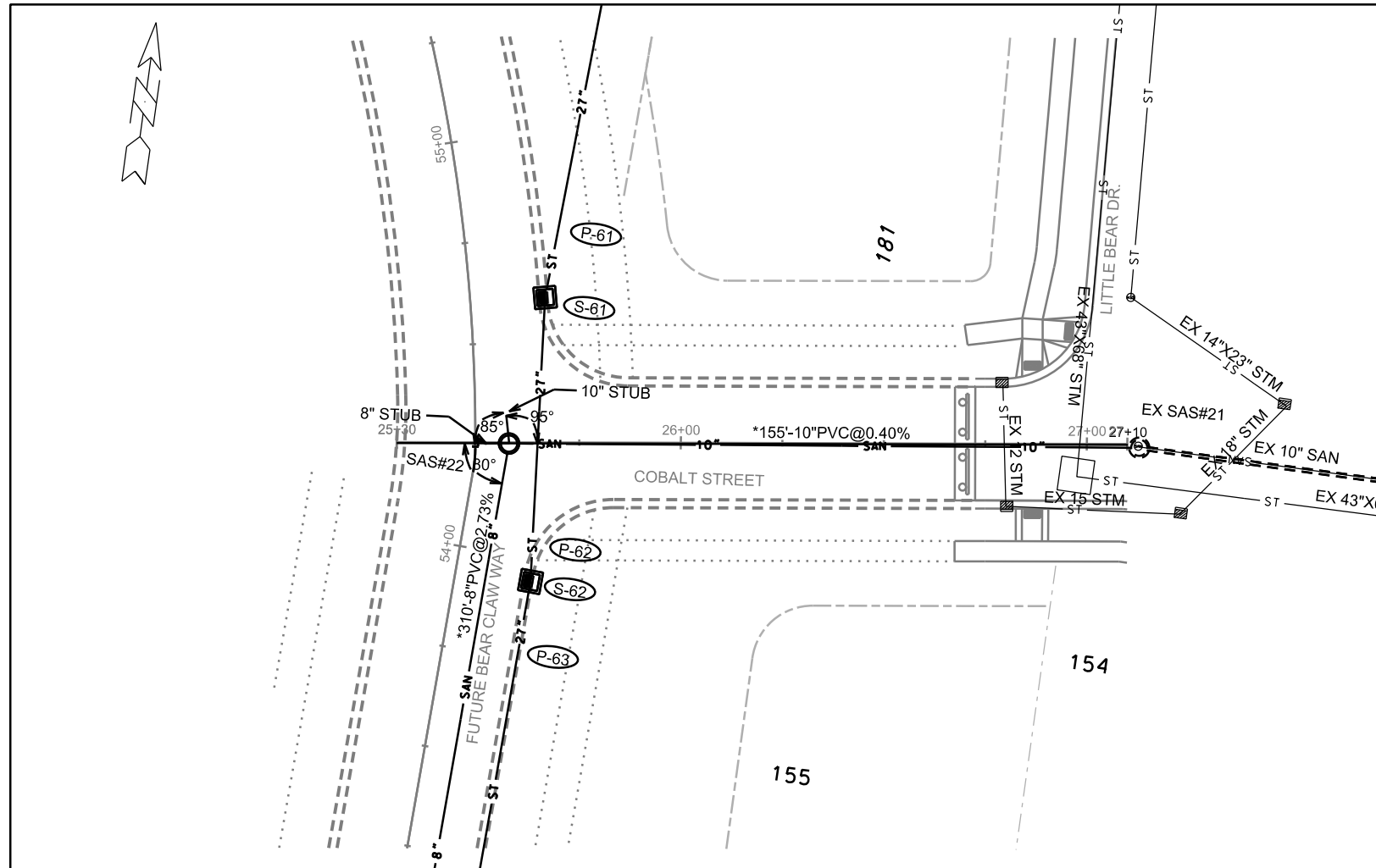
PLAN AND PROFILE  
FARGO TRAIL CITY OF MADISON



PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

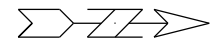


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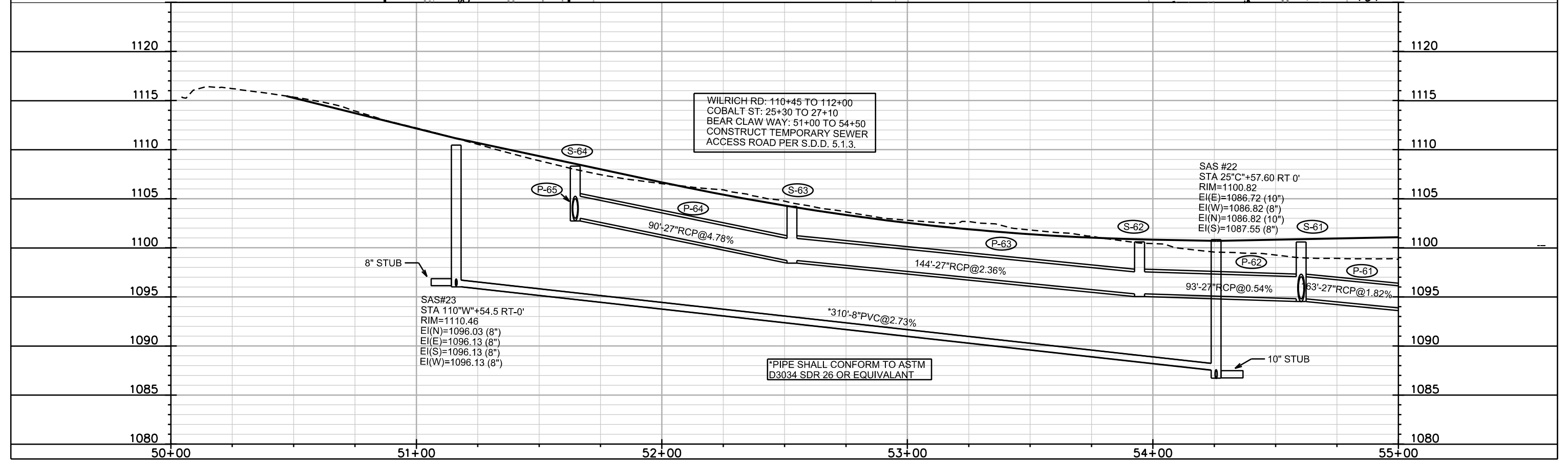
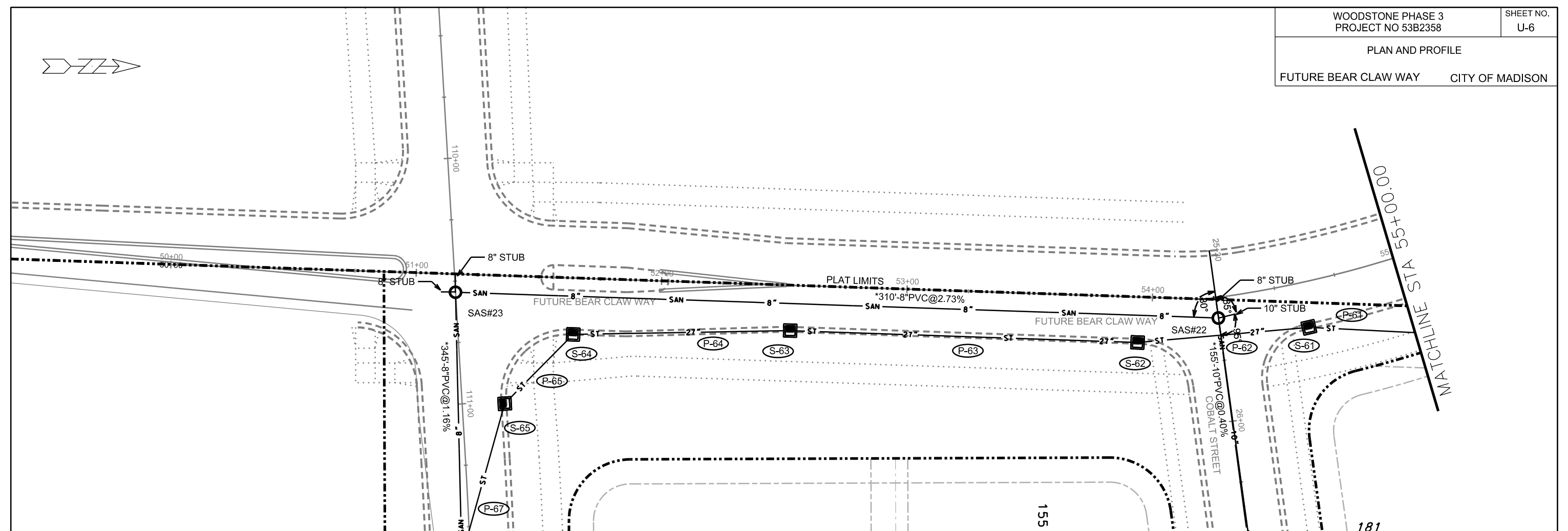


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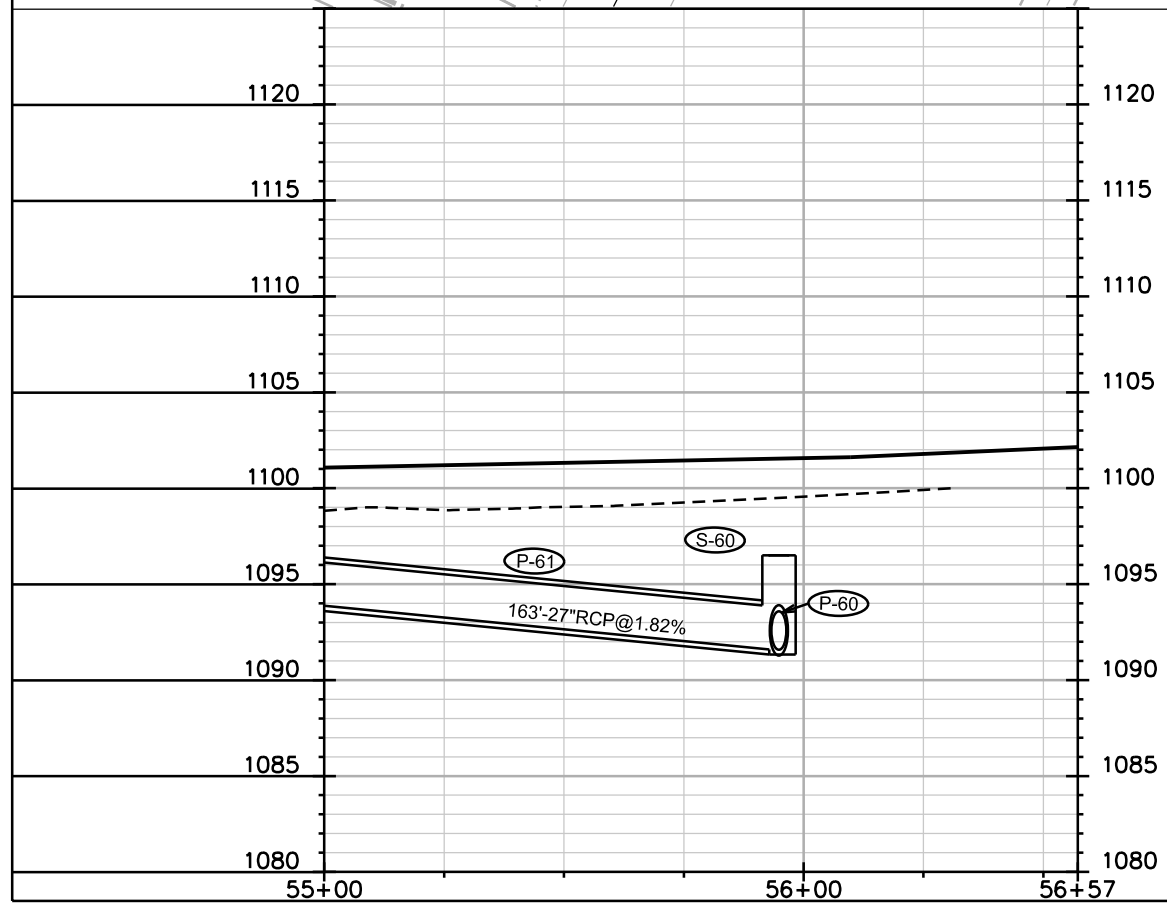
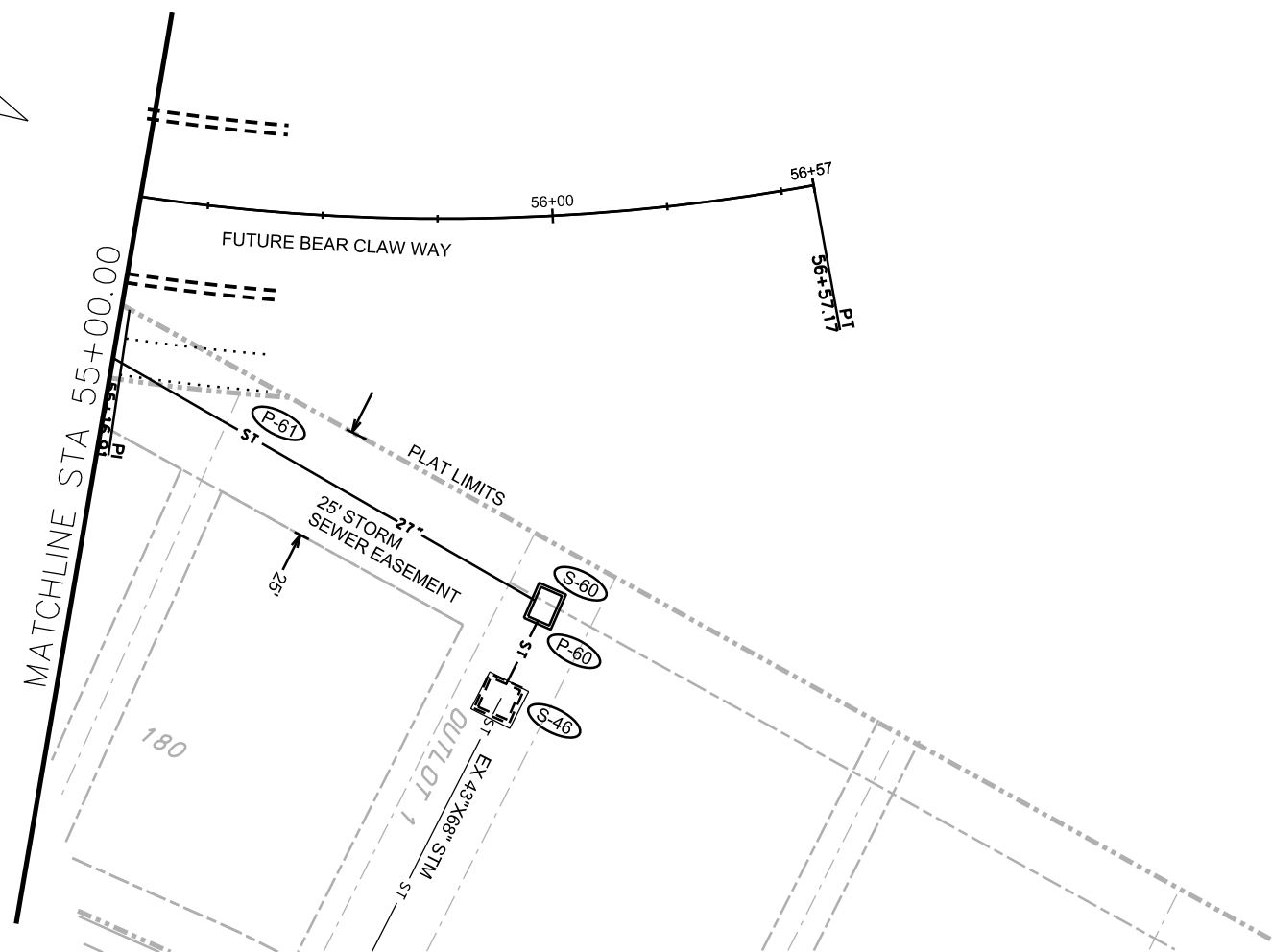
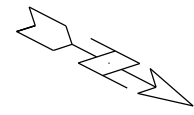
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

FUTURE BEAR CLAW WAY CITY OF MADISON



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

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

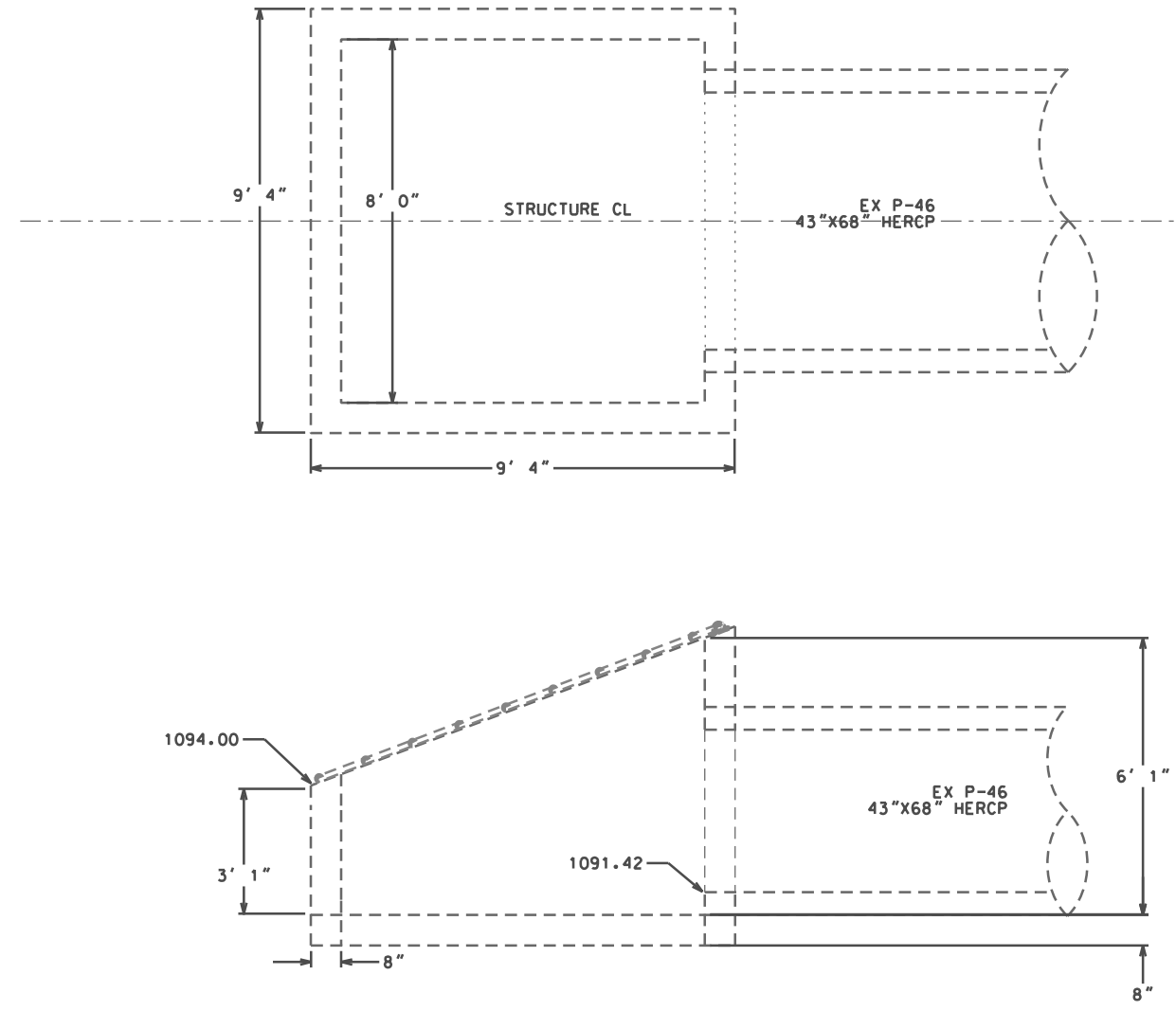
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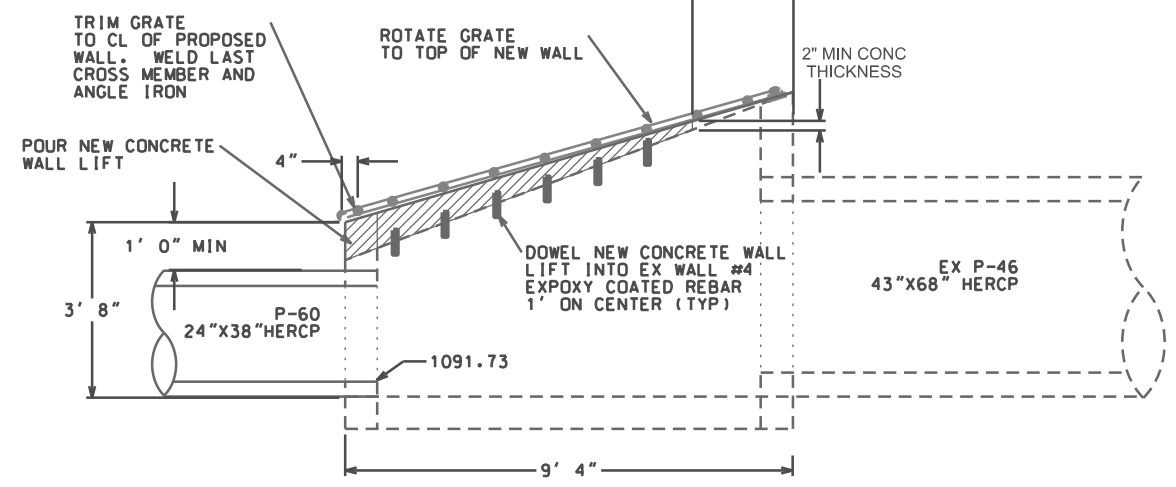
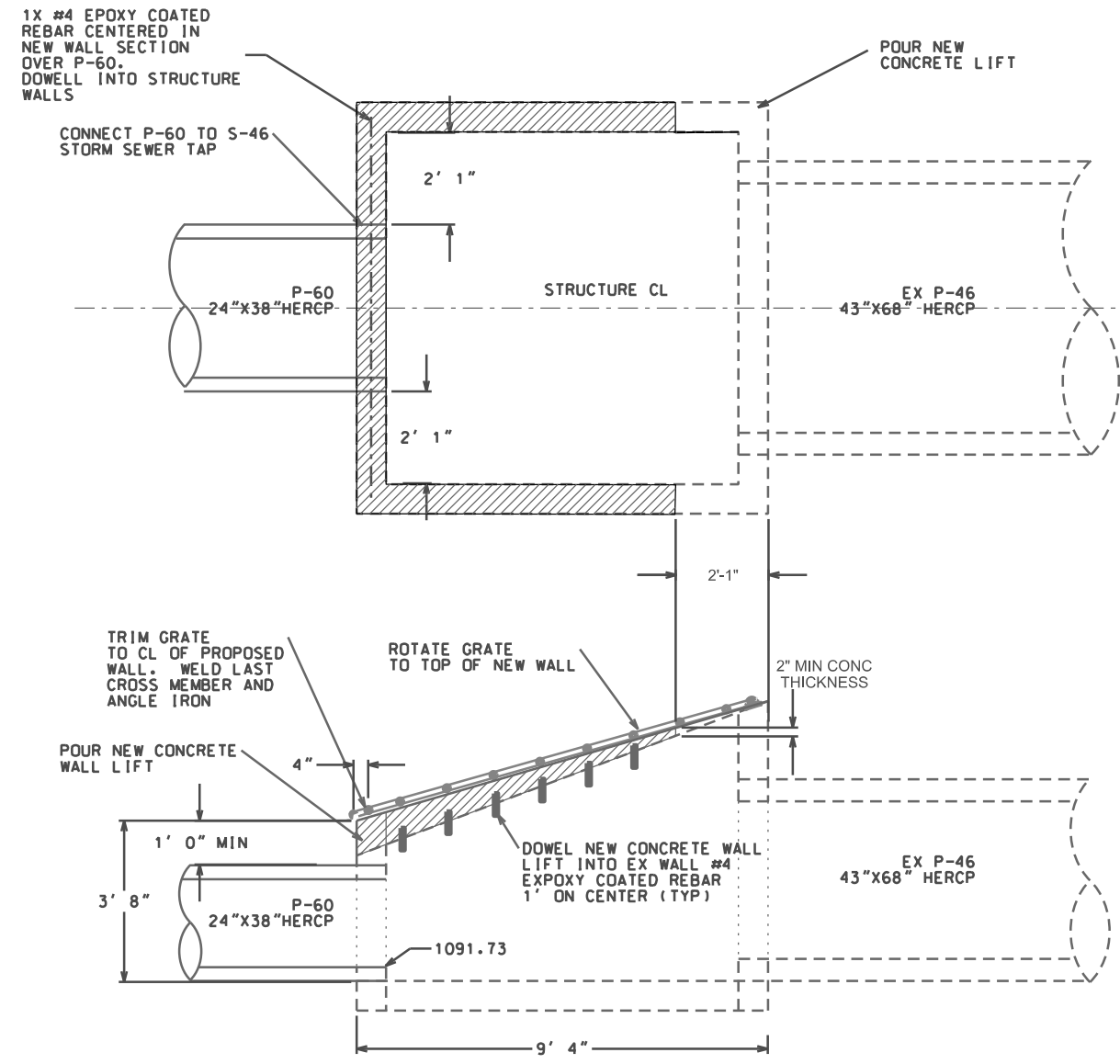
### EXISTING STRUCTURE DETAIL

S-46



### PROPOSED STRUCTURE MODIFICATIONS

S-46



NOT TO SCALE

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SEWER SCHEDULE

## ALIGNMENT CODES:

"SB"=STONEWOOD BLVD  
 "FT"=FARGO TRL  
 "LB"= LITTLE BEAR DR  
 "W"= WILRICH ROAD

WOODSTONE REPLAT PH2  
 PROJECT NO. 53B2325

SHEET NO.  
 U-9

SANITARY SEWER SCHEDULE CITY OF MADISON

### PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS #22	25'C'+57.60	RT-0	1100.82	1086.72	14.10	
SAS #23	110'W'+54.50	RT-0	1110.46	1096.03	14.43	
SAS #24	114'W'+00.00	RT-0	1114.70	1100.12	14.58	
SAS #25	117'W'+00.00	RT-0	1119.19	1105.00	14.19	
SAS #26	118'W'+52.50	RT-0	1121.33	1107.00	14.33	
SAS #27	121'FT'+00.00	RT-0	1123.12	1109.00	14.12	
SAS #28	123'FT'+25.00	RT-0	1125.92	1111.00	14.92	

### PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	LGTH (FT)	E.I. DOWNSTREAM	E.I. UPSTREAM	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
EX SAS#21	SAS #22	155	1086.10	1086.72	0.40%	10"	PVC	SDR 26
SAS #22	SAS #23	310	1087.55	1096.03	2.73%	8"	PVC	SDR 26
SAS #23	SAS #24	345	1096.13	1100.12	1.16%	8"	PVC	SDR 26
SAS #24	SAS #25	300	1100.22	1105.00	1.59%	8"	PVC	SDR 26
EX SAS#50	SAS #26	175	1100.00	1107.00	4.00%	8"	PVC	SDR 26
SAS #26	SAS #27	248	1107.10	1109.00	0.77%	8"	PVC	SDR 26
SAS #27	SAS #28	225	1109.10	1111.00	0.84%	8"	PVC	SDR 26

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

ORIGINATOR: CITY OF MADISON STREETS DIVISION

# STORM SEWER SCHEDULE

## ALIGNMENT CODES:

"F"=FARGO TRAIL  
 "B"=BEAR CLAW WAY  
 "LB"=LITTLE BEAR DR  
 "W"=WILRICH RD

WOODSTONE REPLAT NO 2  
 PROJECT NO. 53B2325

SHEET NO.  
 U-10

STORM SEWER SCHEDULE CITY OF MADISON

## STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-46	63'LB'+80.00	LT-110.00	EX 8'X8' SAS	1097.00	1091.42	5.58	SEE U-8 FOR STRUCTURE DETAILS
S-60	63'LB'+79.00	LT-133.00	5X5 SAS	1096.50	1091.84	4.66	FP; W/R-1550-0054
S-61	54'B'+60.44	RT-18.50	4X4 SAS	1100.59	1094.80	5.79	W/ R-1878-B7L; (1)
S-62	53'B'+94.61	RT-18.50	4X4 SAS	1100.60	1095.30	5.30	W/ R-1878-B7L; (2)
S-63	52'B'+53.09	RT-18.42	4X4 SAS	1104.21	1098.70	5.51	W/ R-1878-B7L
S-64	51'B'+64.72	RT-22.50	4X4 SAS	1108.31	1103.00	5.31	W/ R-1878-B7L; (3)
S-65	111'W'+00.78	LT-17.50	4X4 SAS	1109.49	1104.00	5.49	W/ R-1878-B7L; (4)
S-67	112'W'+17.00	RT-20.00	4X4 SAS	1110.19	1104.60	5.59	W/R-4349-D
S-23	75'F'+58.00	RT-15.50	EX 3X3 SAS	1112.43	1107.97	4.46	TAP
S-34	75'F'+57.96	RT-8.00	EX 3X3 SAS	1112.17	1105.38	6.79	TAP
S-75	74'F'+27.65	RT-15.50	3X3 SAS	1120.37	1115.87	4.50	W/ R-3067-7004-V
S-76	118'W'+94.57	LT-17.50	3X3 SAS	1121.69	1117.19	4.50	W/ R-3067-7004-V
S-77	118'W'+94.57	RT-13.00	PLUG	---	1117.59	---	
S-80	118'W'+60.69	LT-20.45	3X3 SAS	1120.91	1115.50	5.41	W/R-1550-0054
S-81	118'W'+60.69	RT-18.00	4X4 SAS	1120.67	1115.70	4.97	W/R-4349-D

## PIPES

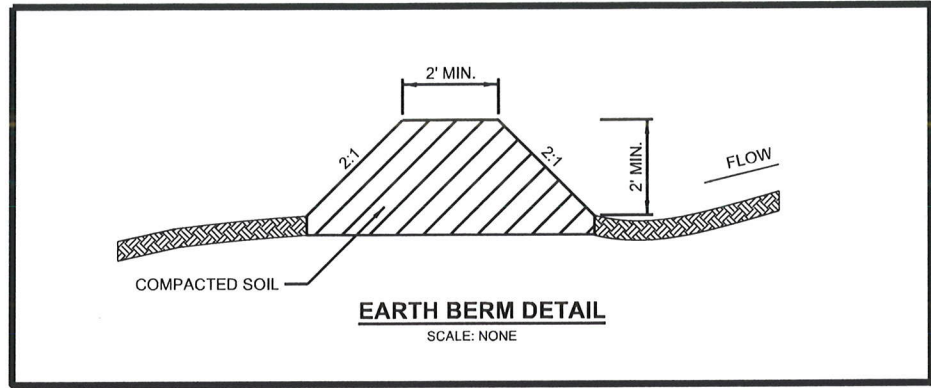
PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-60	S-46	S-60	22	1091.73	1091.84	0.50%	24"X38"	HERCP	SEE PAGE U-8
P-61	S-60	S-61	163	1091.84	1094.80	1.82%	27"	RCP	
P-62	S-61	S-62	93	1094.80	1095.30	0.54%	27"	RCP	
P-63	S-62	S-63	144	1095.30	1098.70	2.36%	27"	RCP	
P-64	S-63	S-64	90	1098.70	1103.00	4.78%	27"	RCP	
P-65	S-64	S-65	38	1103.00	1104.00	2.63%	24"	RCP	
P-67	S-65	S-67	121	1104.00	1104.60	0.50%	24"	RCP	
P-75	S-23	S-75	132	1107.97	1115.87	5.98%	18"	RCP	
P-76	S-75	S-76	36	1115.87	1117.19	3.67%	18"	RCP	
P-77	S-76	S-77	29	1117.44	1117.59	0.52%	15"	RCP	
P-80	S-34	S-80	154	1105.38	1115.50	6.57%	24"	RCP	
P-81	S-80	S-81	38	1115.50	1115.70	0.53%	24"	RCP	

## SPECIFIC NOTES

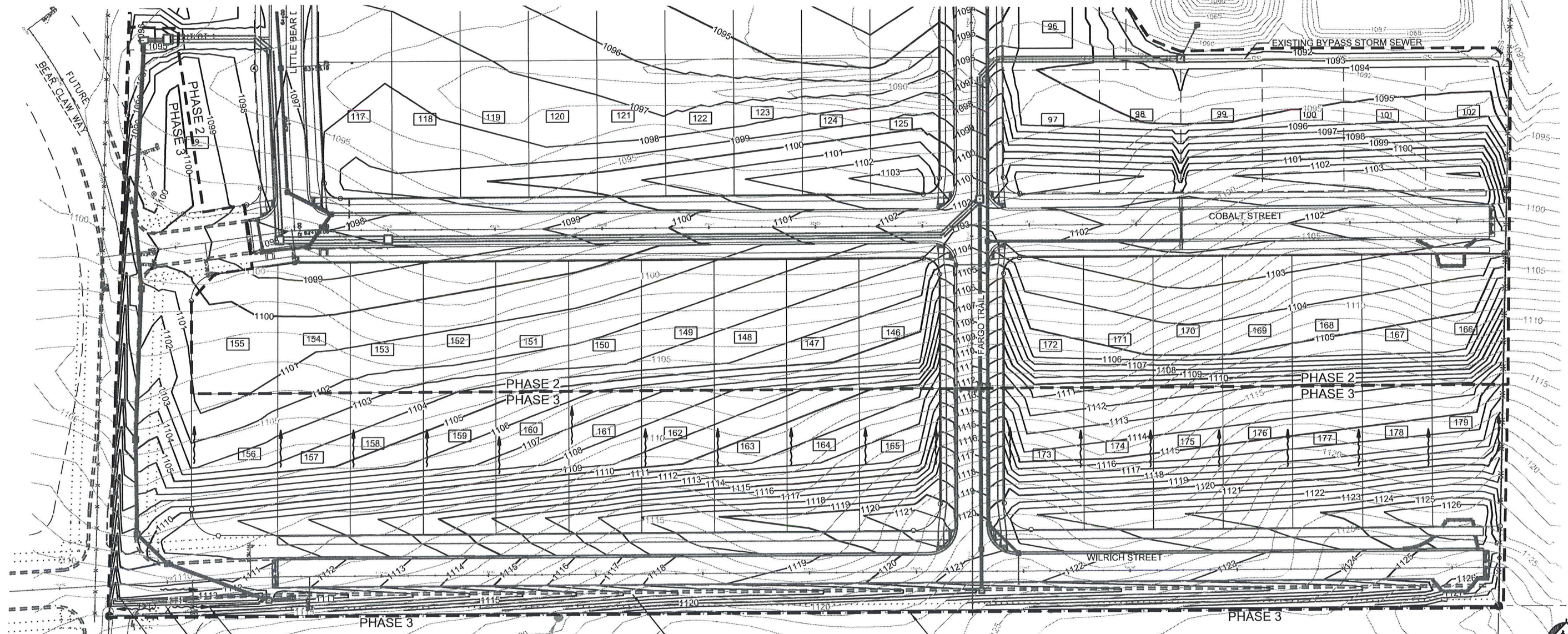
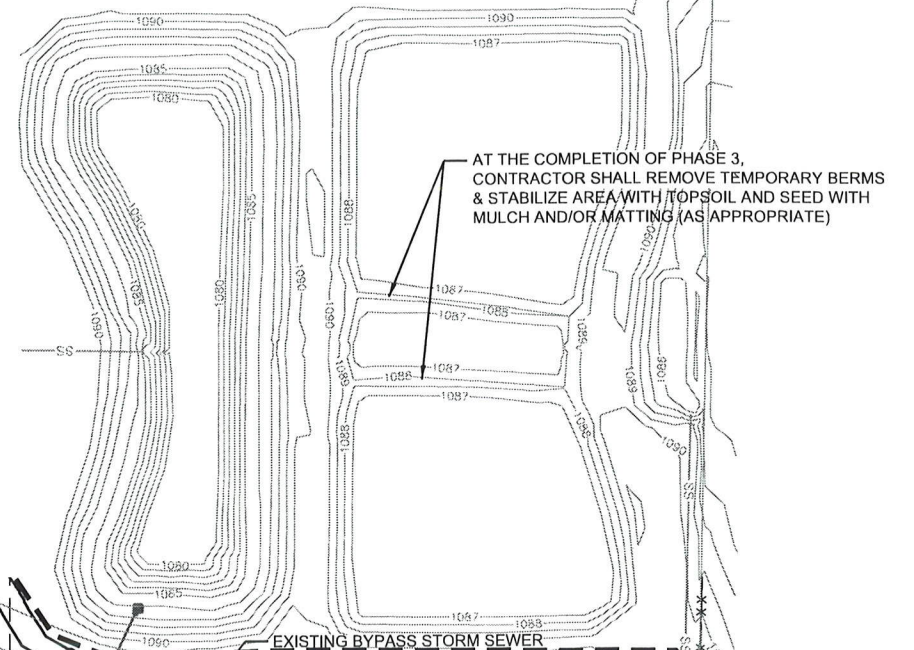
- (1) PROVIDE 15" KNOCKOUT TO WEST AT EI=1095.80
- (2) PROVIDE 15" KNOCKOUT TO WEST AT EI=1096.30
- (3) PROVIDE 24" KNOCKOUT TO WEST AT EI=1103.00
- (4) PROVIDE 15" KNOCKOUT TO SOUTH AT EI=1105.75

## 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
- 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 COREY STELLJES OF CITY ENGINEERING AT (608) 266-9721 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO



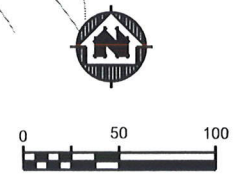
**WISCONSIN**  
 ★ BRADLEY S. REENTS ★  
 E-41069  
 MADISON  
 WI  
*Bradley S. Reents*  
 12/4/2013



CREATE DRAINAGE SWALE TO STRUCTURE S-66  
 H.P. IN SWALE ELEV. = 1112.50  
 SEE EARTH BERM DETAIL ABOVE

SEE CITY OF MADISON PLANSHEET D-2  
 TYPICAL SECTION WILRICH ROAD FOR DIMENSIONS OF THE DITCH

PHASE 3 DISTURBANCE LIMITS (TYP.)



PROJECT NO.: 3910503	SCALE: AS SHOWN	NO. DATE	REVISION	BY
PROJECT DATE: 11/27/2013	DRAWN BY: RJU	12/4/13	REVISIONS PER CITY OF MADISON'S COMMENTS	RJU
CHECKED BY: BSR				
PLOT DATE: 12/04/2013 12:42:03 PM				

**MSA**  
 PROFESSIONAL SERVICES  
 TRANSPORTATION • MUNICIPAL DEVELOPMENT • ENVIRONMENTAL  
 201 Corporate Drive, Beaver Dam, WI 53916  
 920-887-4242 1-800-552-6330 Fax: 920-887-4250  
 Web Address: www.msa-ps.com  
 © MSA Professional Services, Inc.

GRADING PLAN

Woodstone Phase 3  
 Pheasant Ridge, LLC  
 City of Madison, Wisconsin

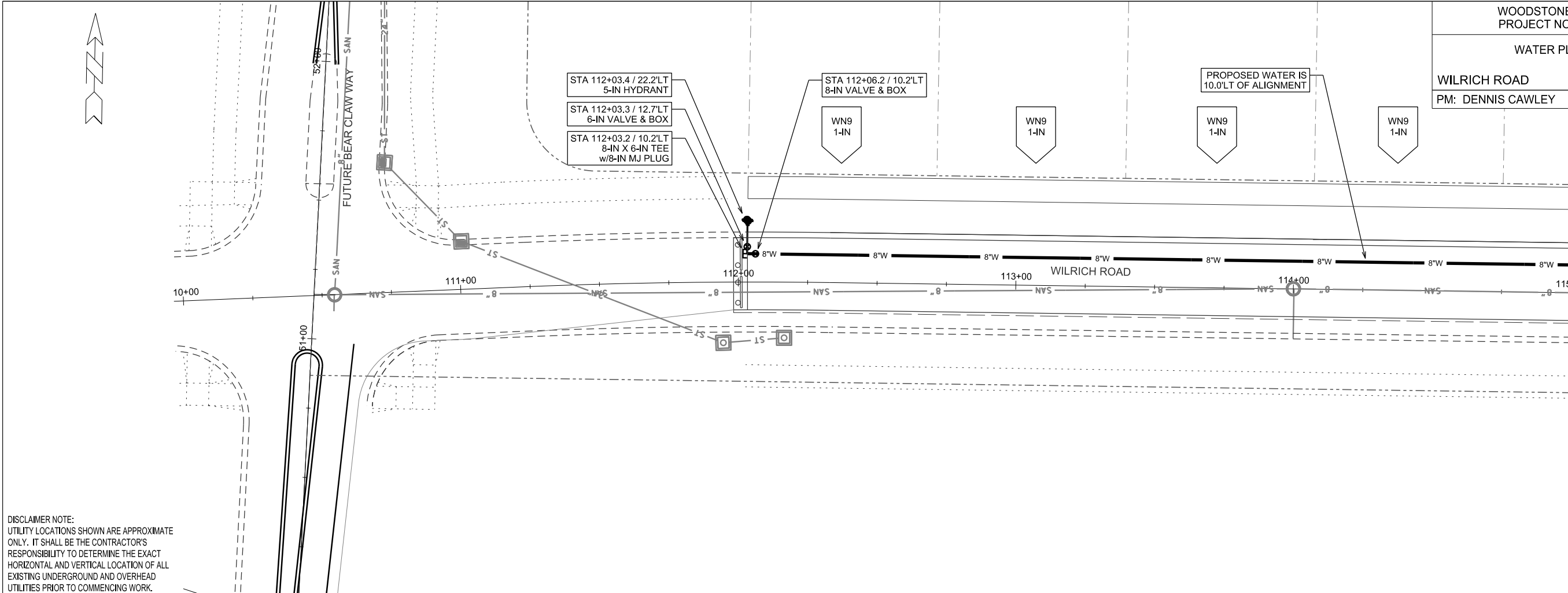
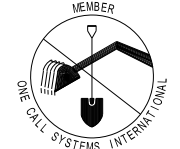
FILE NO.  
 3910503  
 SHEET  
 G-1

WATER PLAN AND PROFILE

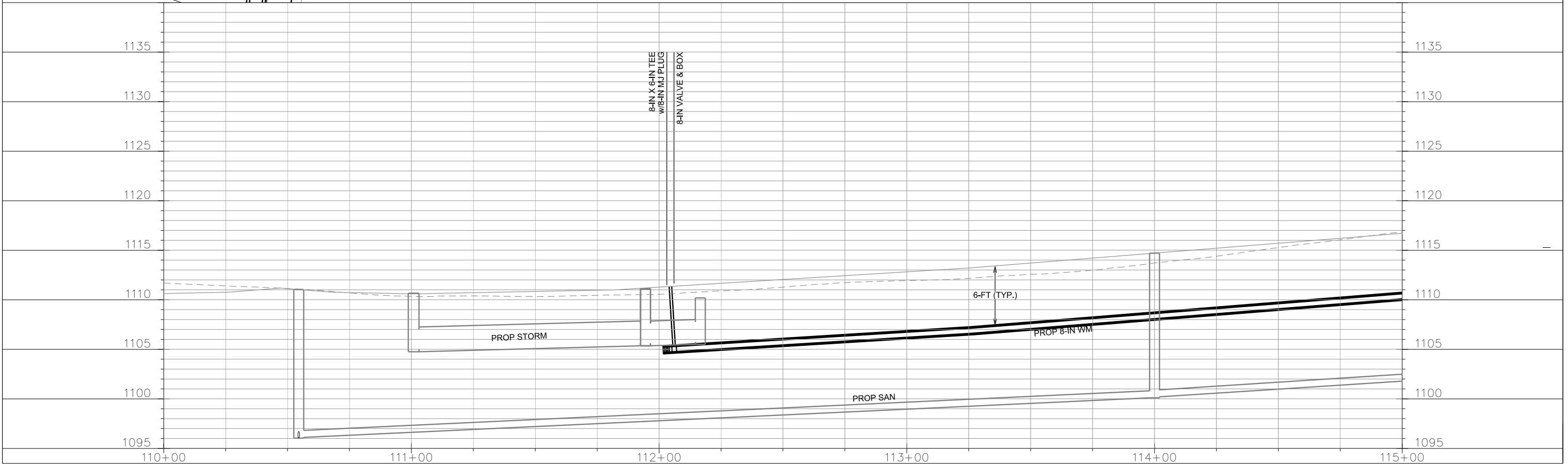
WILRICH ROAD CITY OF MADISON  
PM: DENNIS CAWLEY DESIGNER: PEH

MATCHLINE STA 115+00 (W-2)

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
CALL DIGGERS HOTLINE TOLL FREE 811 OR 1-800-242-8511  
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289  
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



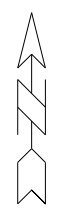
DISCLAIMER NOTE:  
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.



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

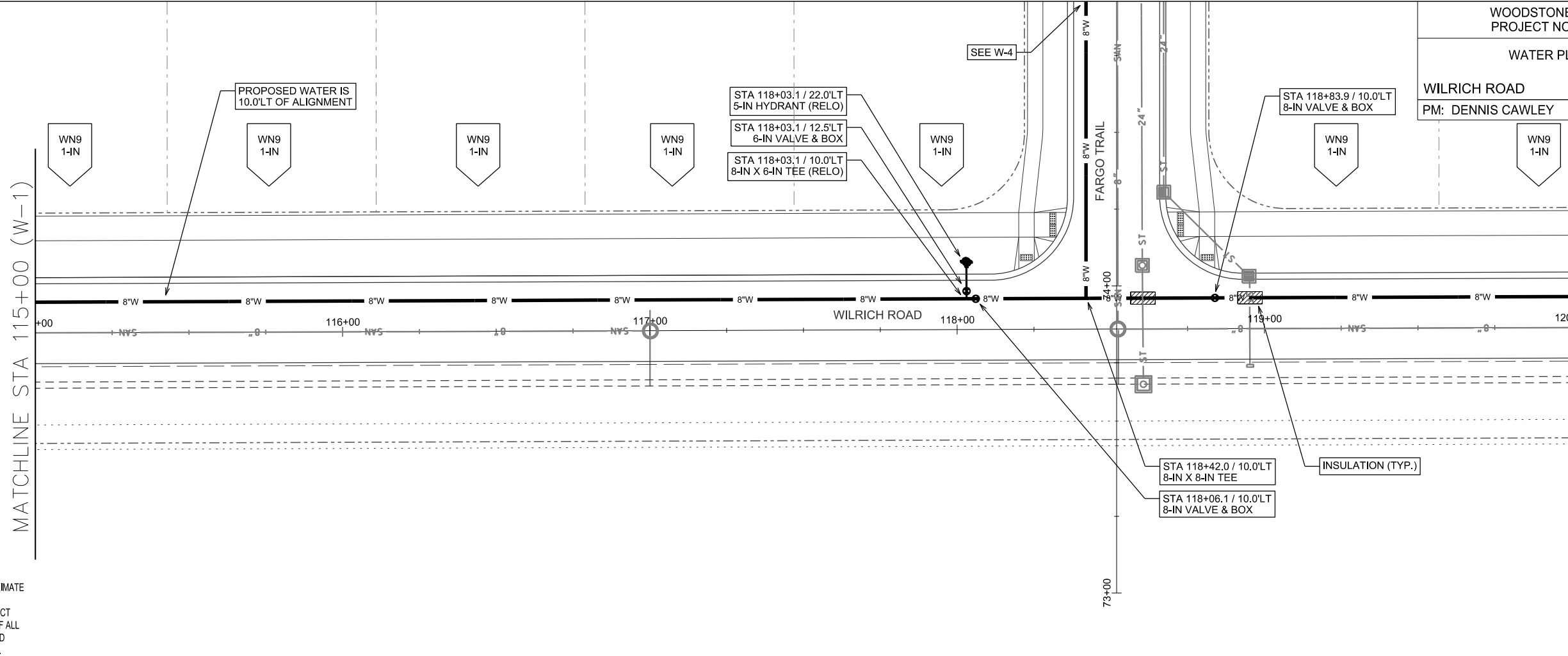
WATER PLAN AND PROFILE

WILRICH ROAD CITY OF MADISON  
PM: DENNIS CAWLEY DESIGNER: PEH



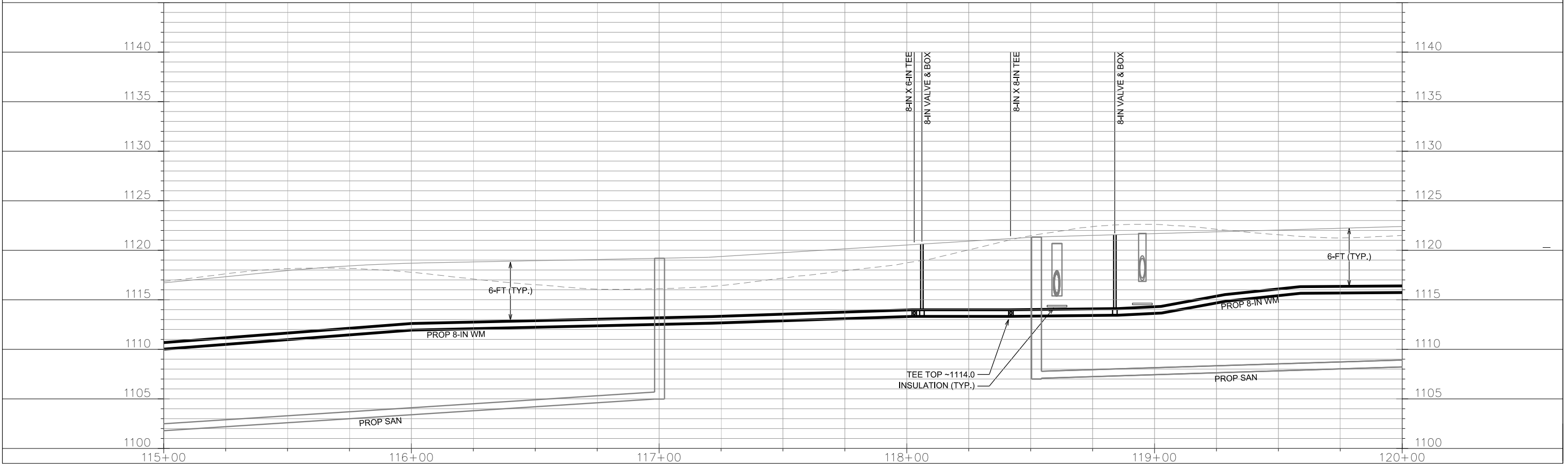
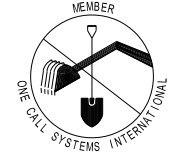
MATCHLINE STA 115+00 (W-1)

MATCHLINE STA 120+00 (W-3)



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  
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.



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

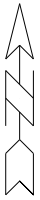
PLOT NAME: \_\_\_\_\_

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

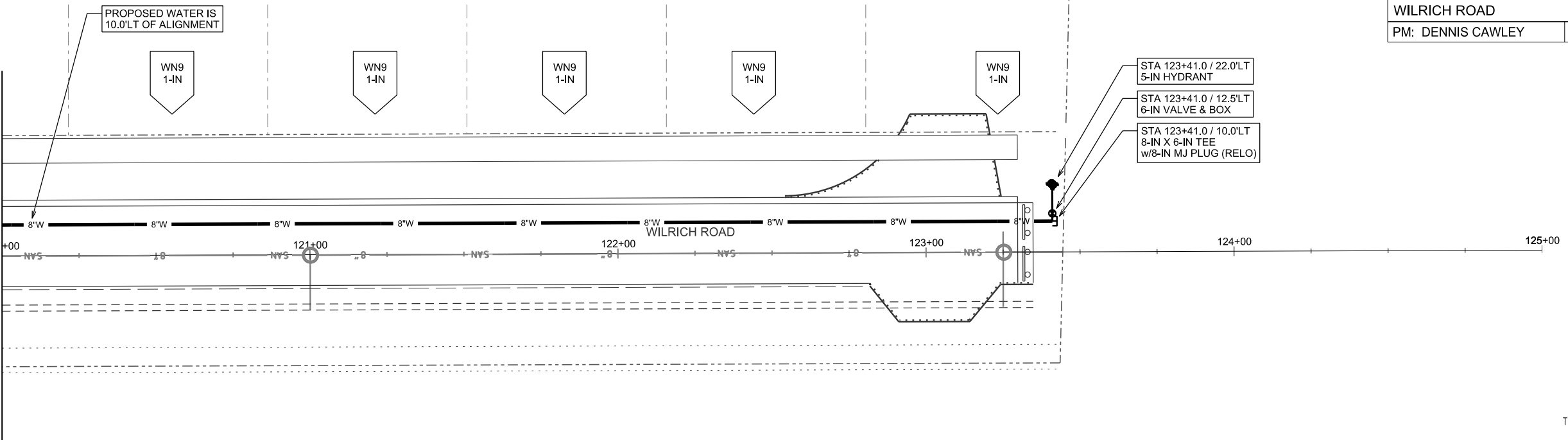
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

WILRICH ROAD CITY OF MADISON  
PM: DENNIS CAWLEY DESIGNER: PEH

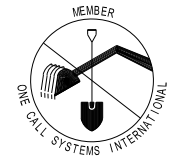


MATCHLINE STA 120+00 (W-2)



- STA 123+41.0 / 22.0'LT 5-IN HYDRANT
- STA 123+41.0 / 12.5'LT 6-IN VALVE & BOX
- STA 123+41.0 / 10.0'LT 8-IN X 6-IN TEE w/8-IN MJ PLUG (RELO)

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
CALL DIGGERS HOTLINE TOLL FREE 811 OR 1-800-242-8511  
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289  
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



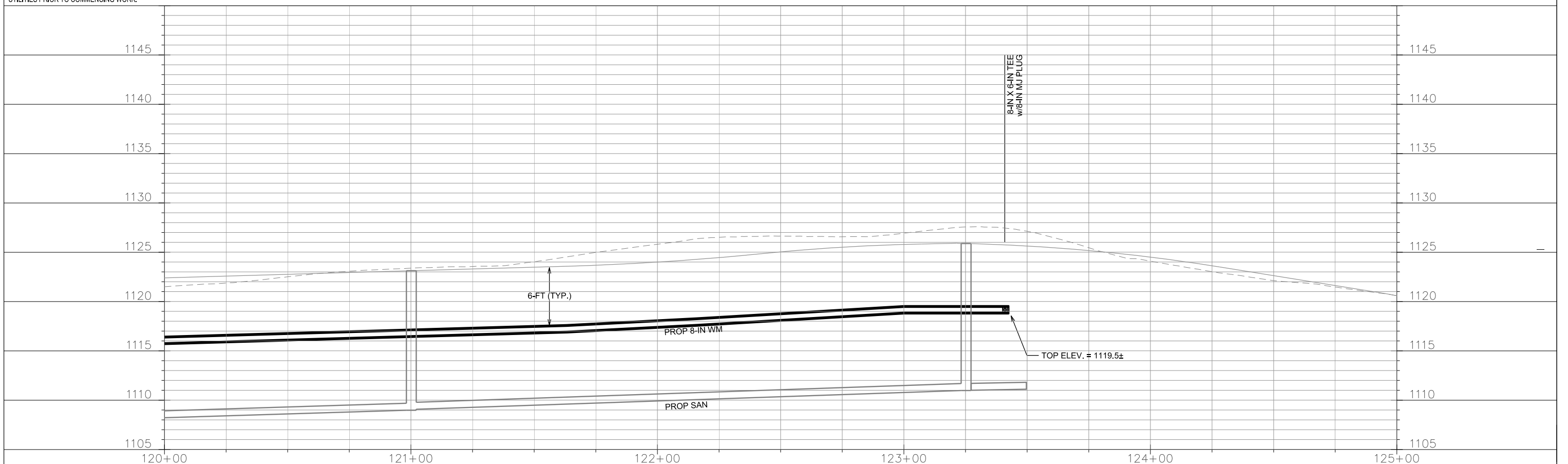
DISCLAIMER NOTE:  
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PLOT SCALE: \_\_\_\_\_

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

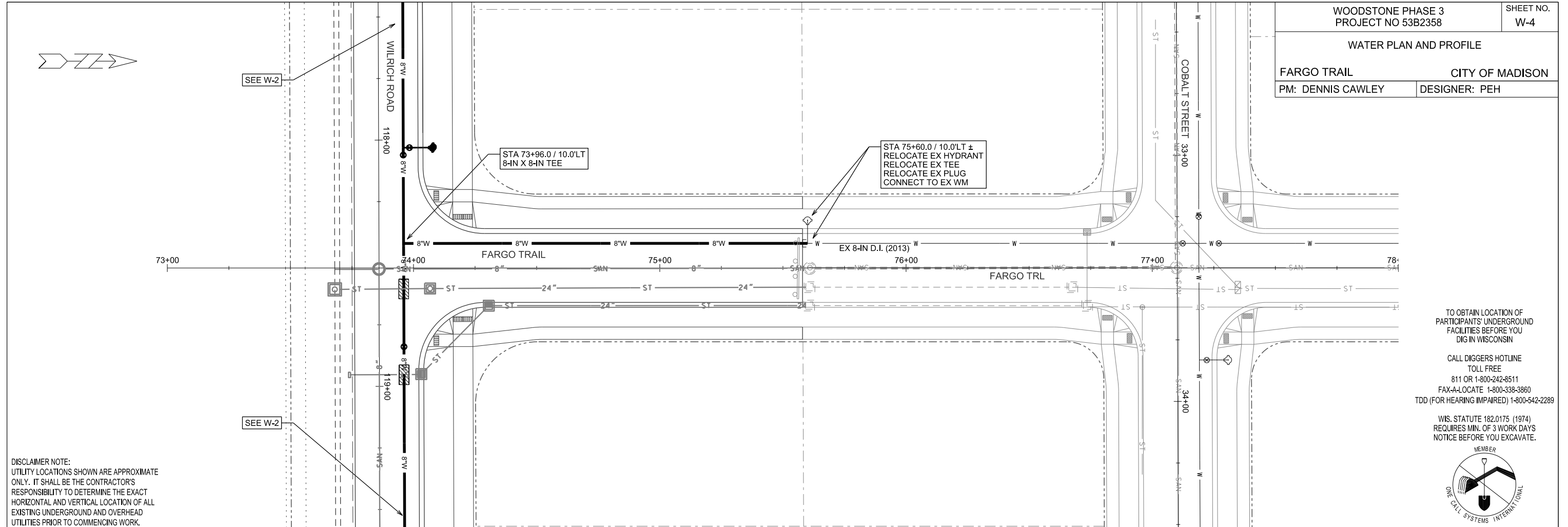
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



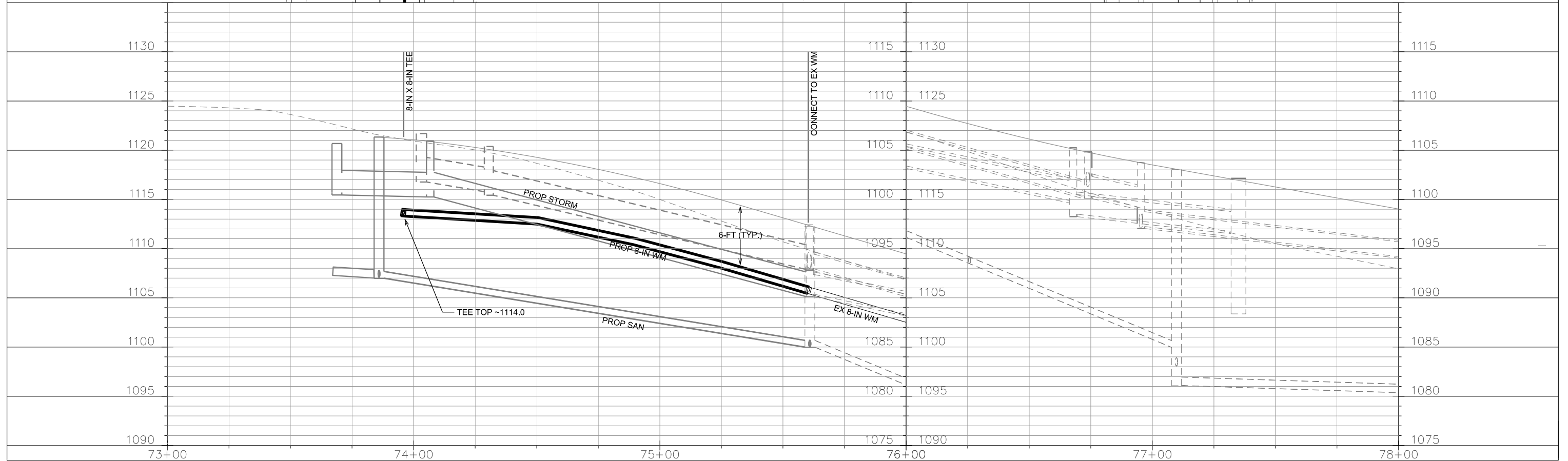
WATER PLAN AND PROFILE

FARGO TRAIL CITY OF MADISON  
PM: DENNIS CAWLEY DESIGNER: PEH



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 TOLL FREE 811 OR 1-800-242-8511  
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WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



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

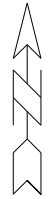
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



OUTLOT 2



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 (OR TO THE LARGER PARALLEL EXISTING 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 (OR TO THE LARGER PARALLEL EXISTING MAIN).
- WN5 - RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 - ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 - FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 - ABANDON THE VALVE BOX.
- WN9 - FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 - REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 - REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

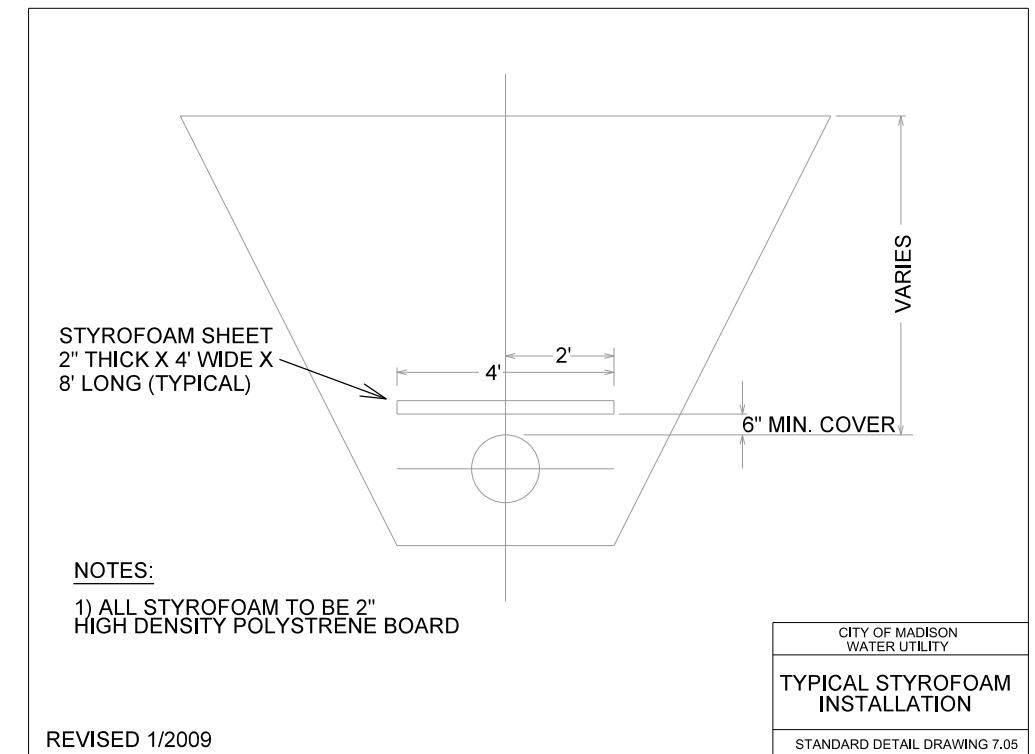
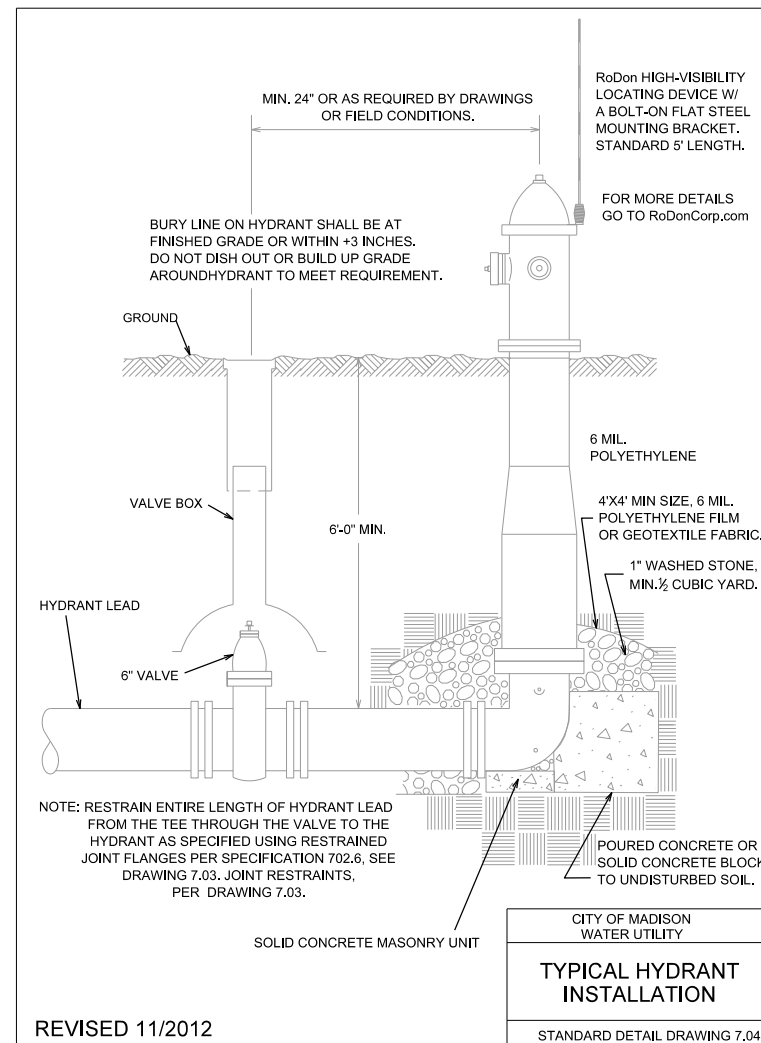
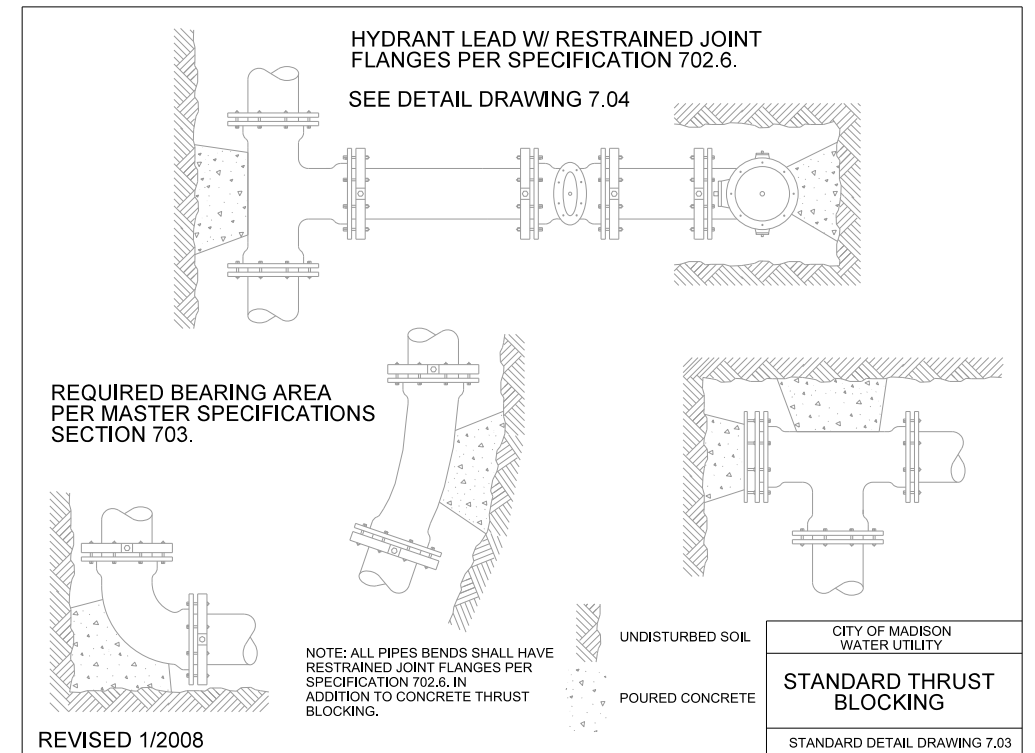
**ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

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

- 40' - 6" PIPE
- 1,320' - 8" PIPE
- 1,500' - POLYWRAP
- 3 - 6" VALVE & BOX
- 3 - 8" VALVE & BOX
- 2 - 8"X6" TEE
- 1 - 8"X8" TEE
- 1 - 8" MJ PLUG
- 2 - 5" HYDRANT
- 1-IN COPPER TUBING (AS REQUIRED)

**MATERIALS REUSED**

- 1 - 8"X6" TEE
- 1 - 8" MJ PLUG
- 1 - 5" HYDRANT



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION