



Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

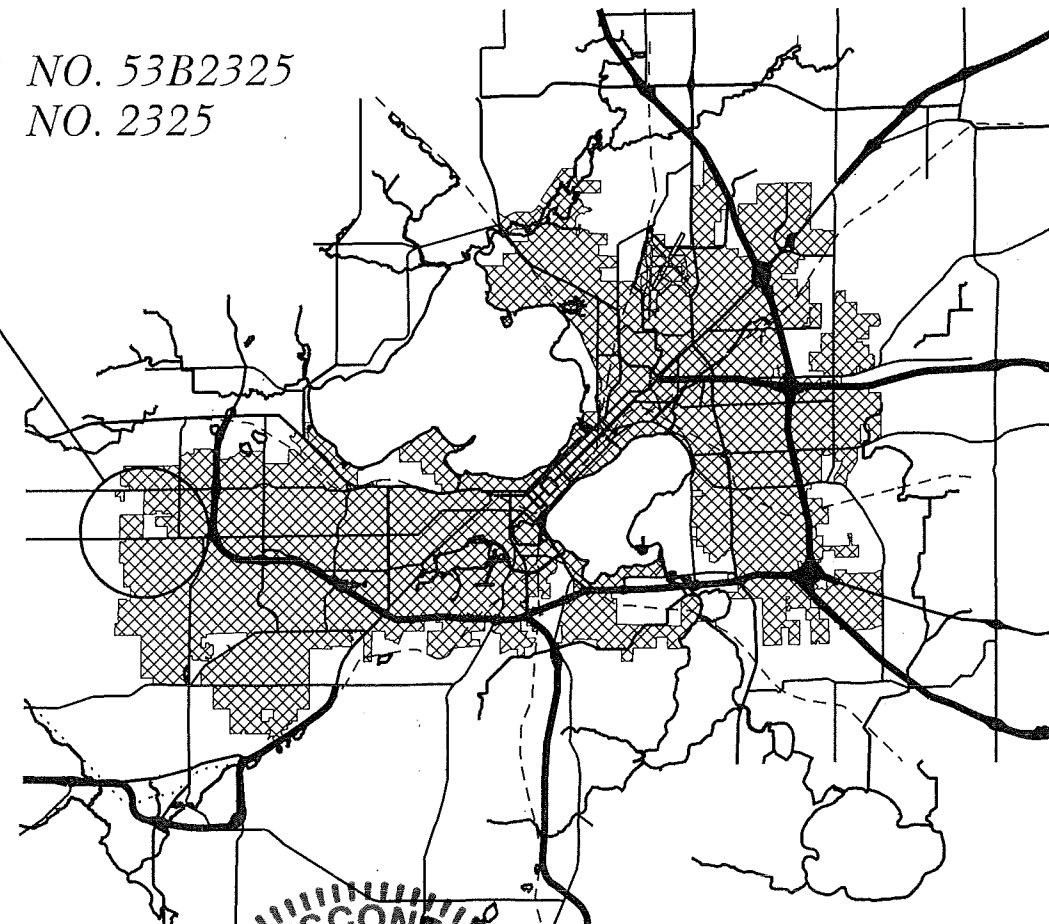
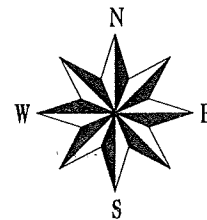
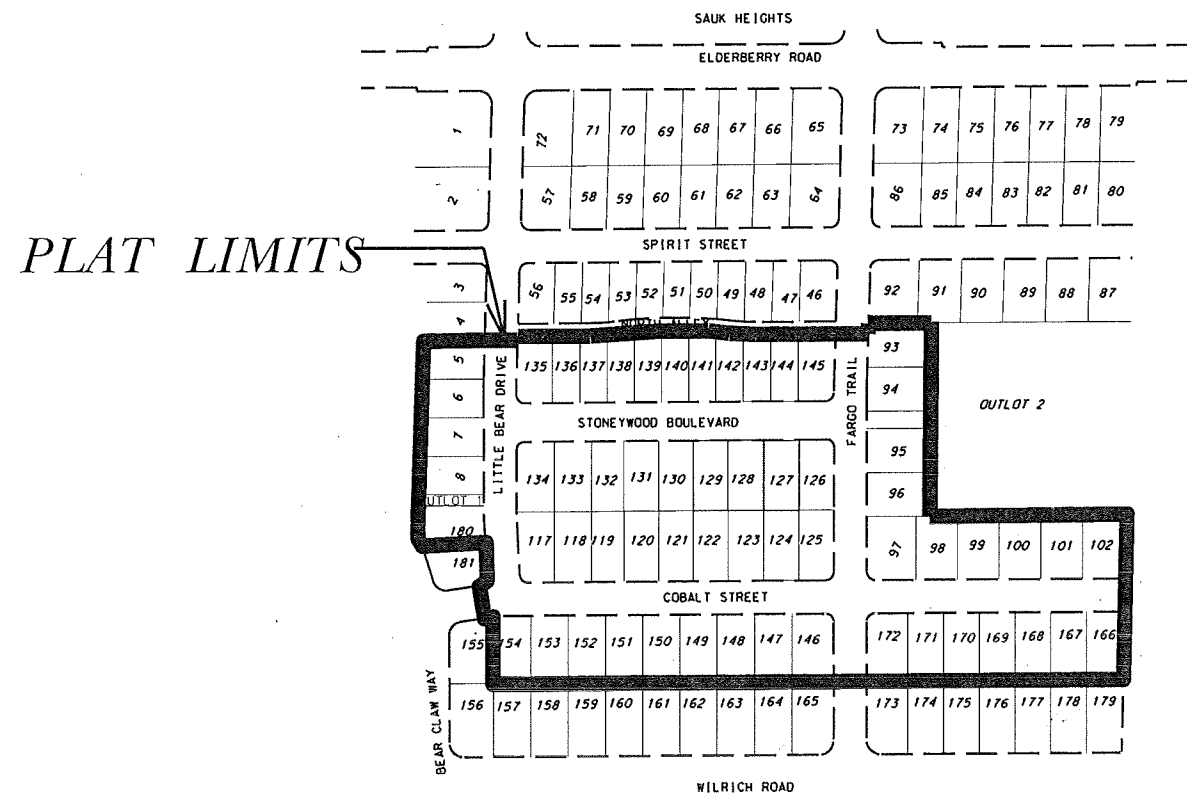
PLAN OF PROPOSED IMPROVEMENT

WOODSTONE PHASE 2

STONEYWOOD BOULEVARD, LITTLE BEAR DRIVE, FARGO TRAIL AND COBALT STREET

CITY PROJECT NO. 53B2325
CONTRACT NO. 2325

PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT APPROVED
JUNE 18, 2013
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 7/10/13
City Engineer Date

STREET GRADINGS
DESIGNED BY:
[Signature]
LISA R. COLEMAN
E-37708
MADISON WI
7/9/13
PROFESSIONAL ENGINEER

CIVIL ENGINEER

STORM SEWER
DESIGNED BY:
[Signature]
COREY STELLJES
41150
MADISON WISCONSIN
7-9-13
PROFESSIONAL ENGINEER

CIVIL ENGINEER

SANITARY SEWER
DESIGNED BY:
[Signature]
COREY STELLJES
41150
MADISON WISCONSIN
7-9-13
PROFESSIONAL ENGINEER

CIVIL ENGINEER

WATER DISTRIBUTION
DESIGNED BY:
7-9-13
KELLY B. MIESS
E-41821
MADISON WI
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.

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 (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.

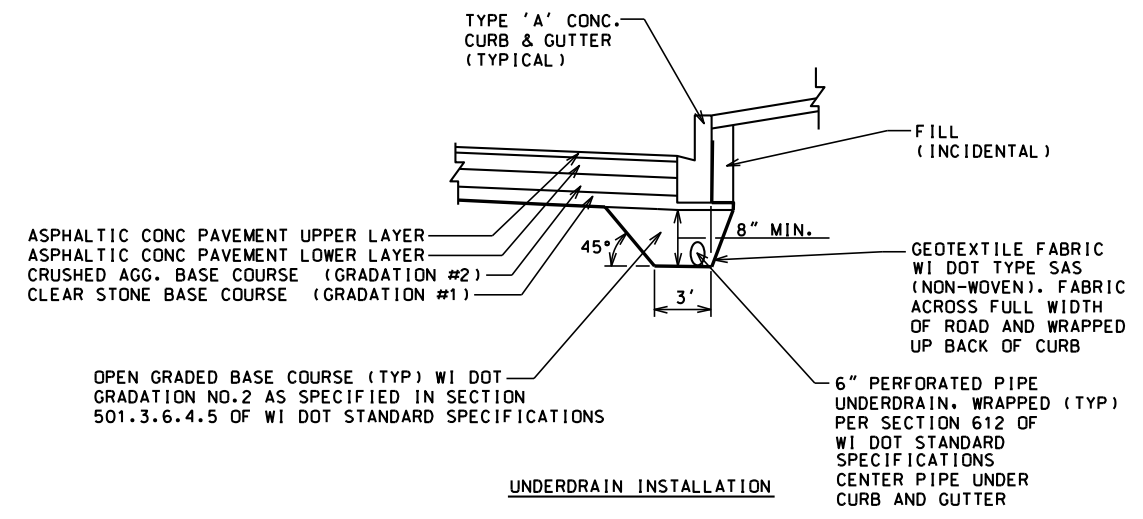
THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

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.



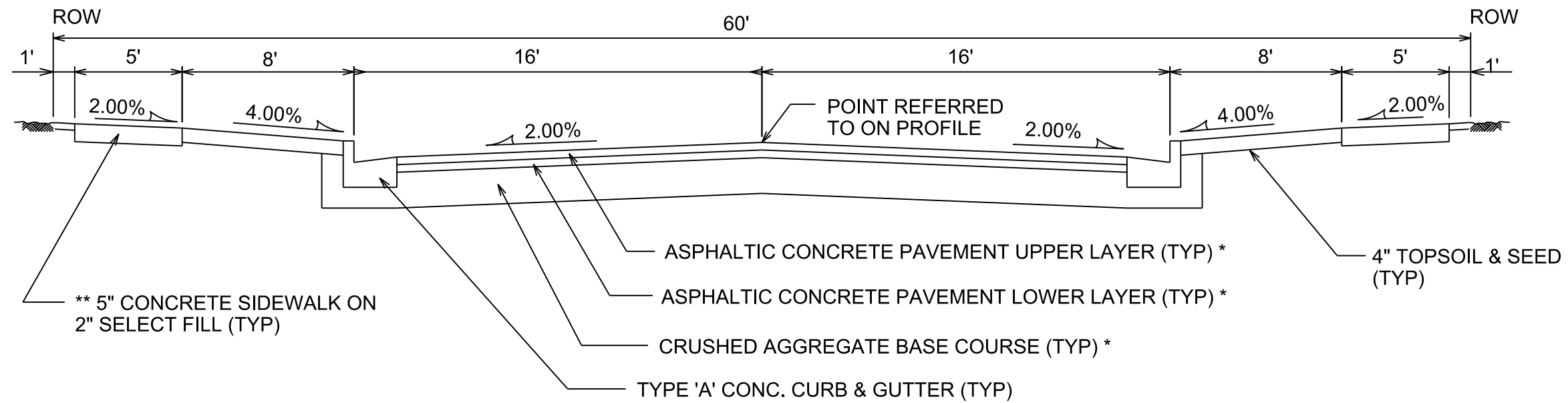
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PLOT NAME: _____

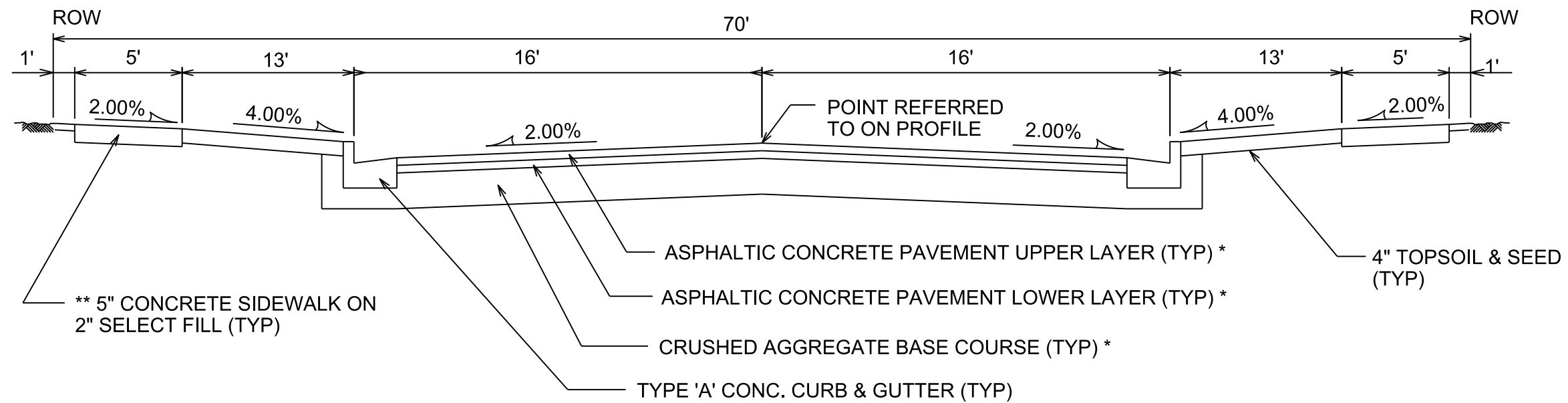
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

TYPICAL SECTION LITTLE BEAR DRIVE, FARGO TRAIL AND COBALT STREET



TYPICAL SECTION STONEYWOOD BOULEVARD



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 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"

PLOT SCALE: _____

PLOT NAME: _____

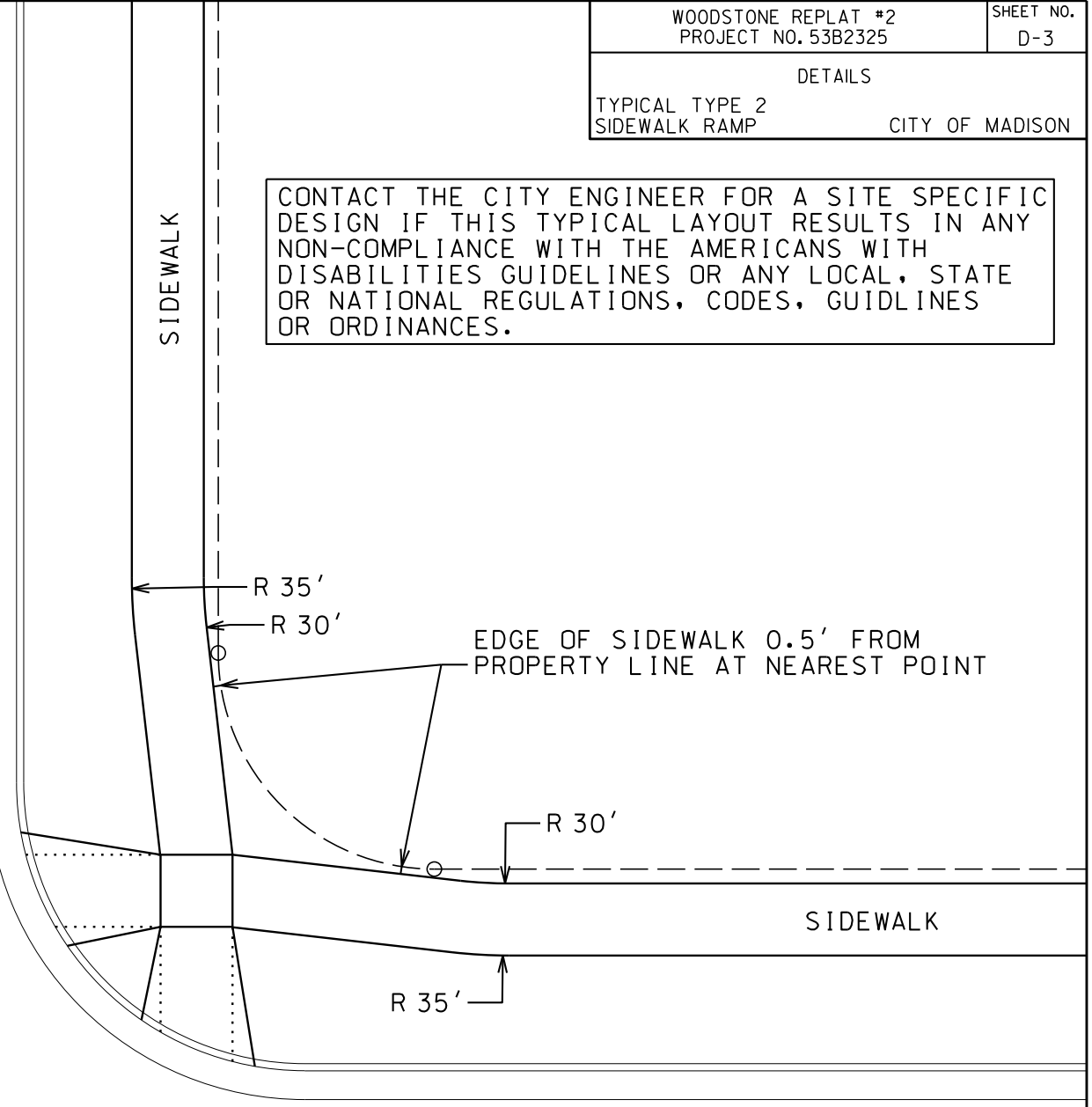
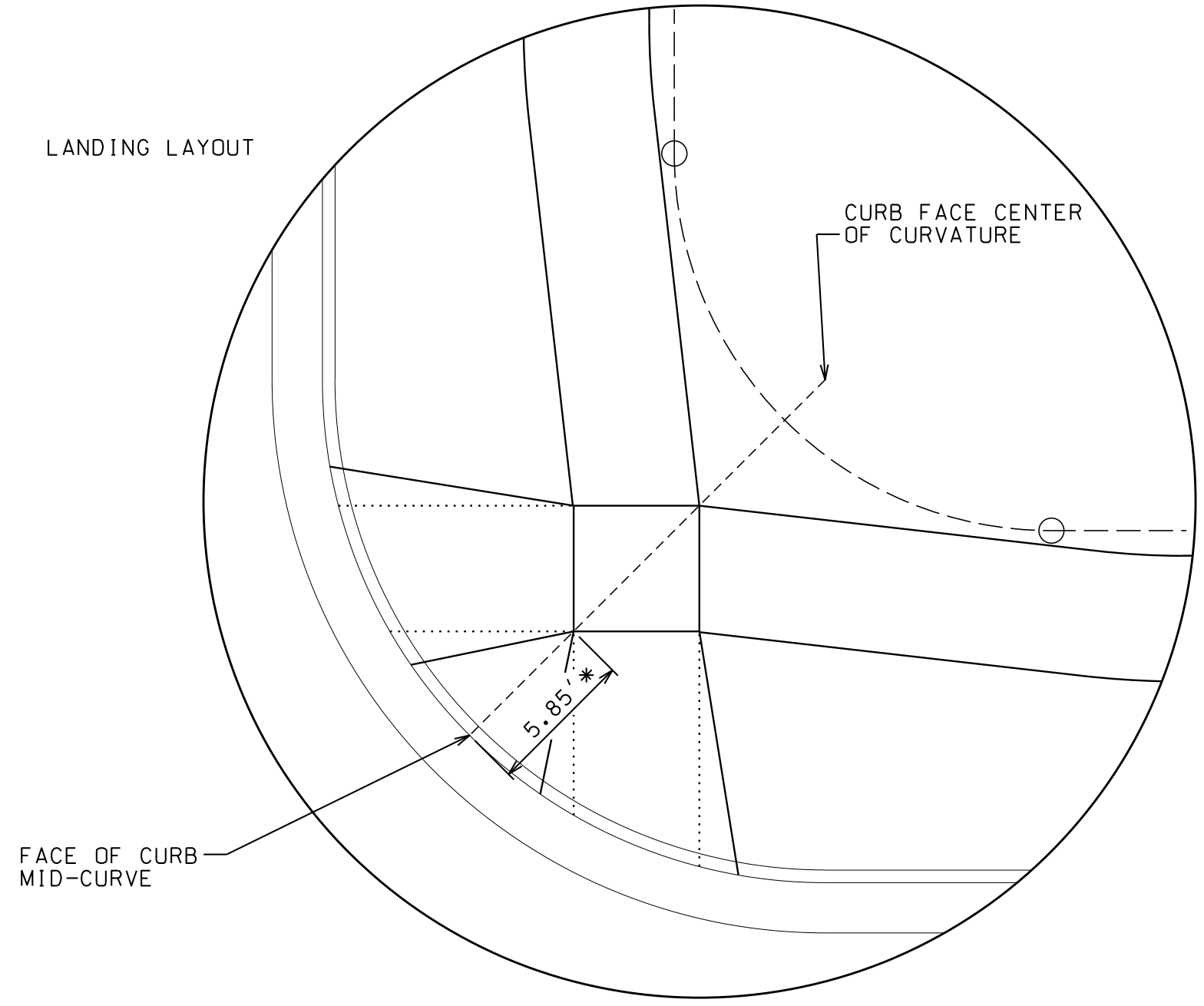
REV. DATE: _____

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.

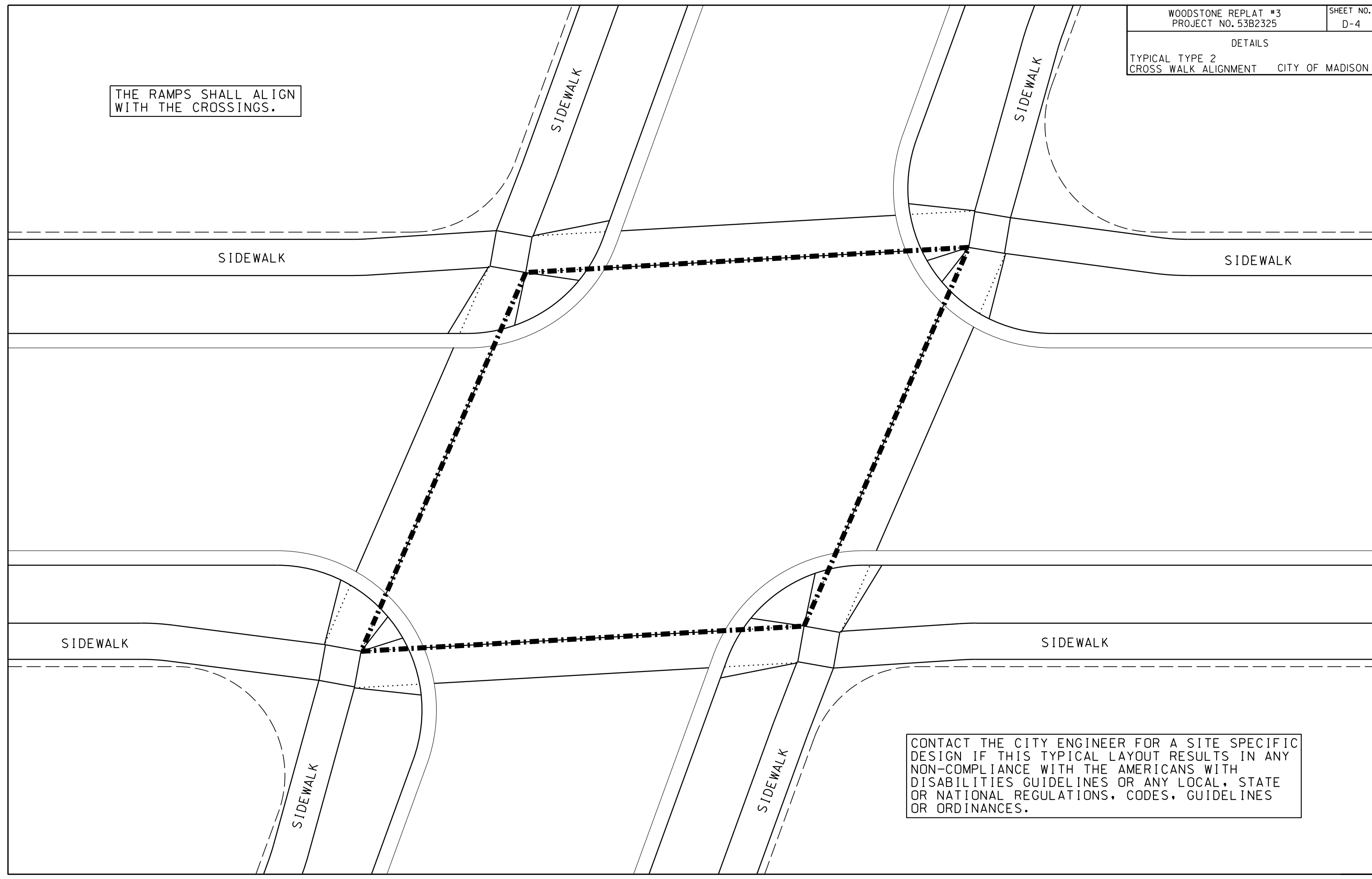
LONGITUDINAL RAMP GRADES SHALL NOT EXCEED 1"/12" NOR BE LESS THAN 2.0% AT ANY POINT. THIS NOTE SHALL TAKE PRECEDENCE OVER ANY ELEVATION OR GRADE INDICATED ON THE PLAN.

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

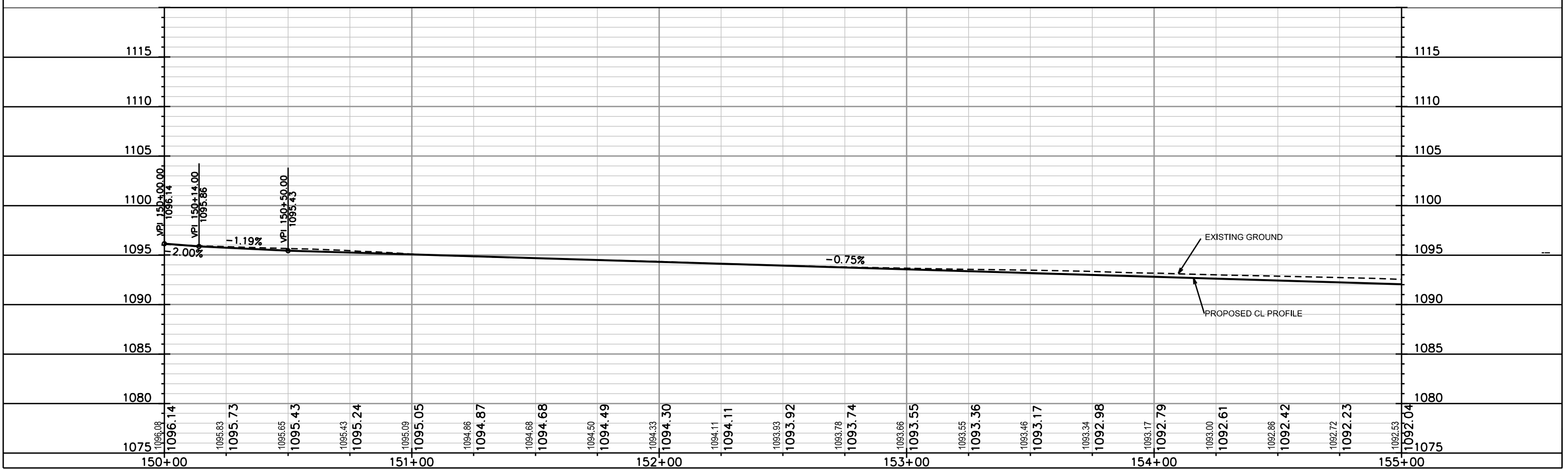
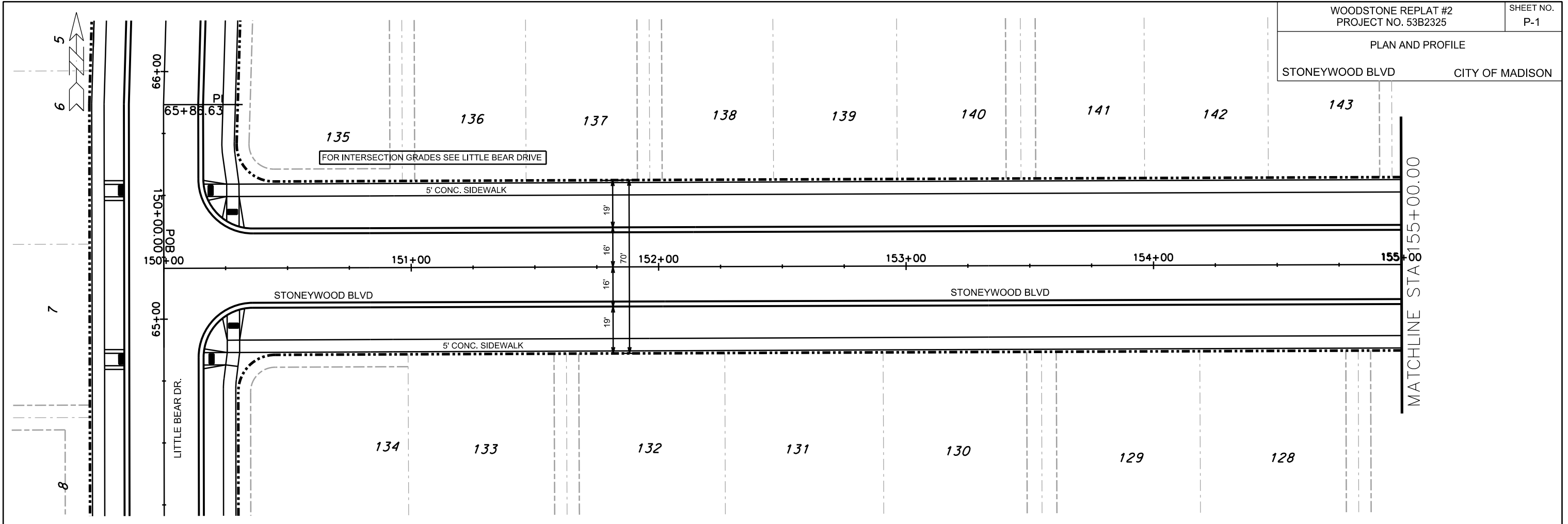
THE RAMPS SHALL ALIGN
WITH THE CROSSINGS.



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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

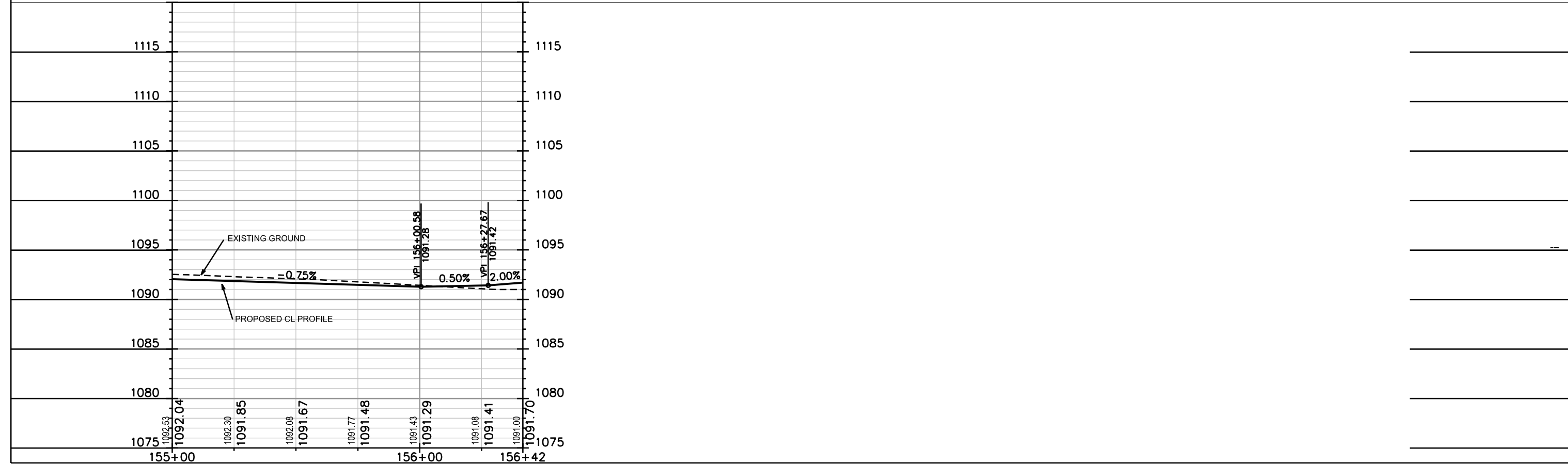
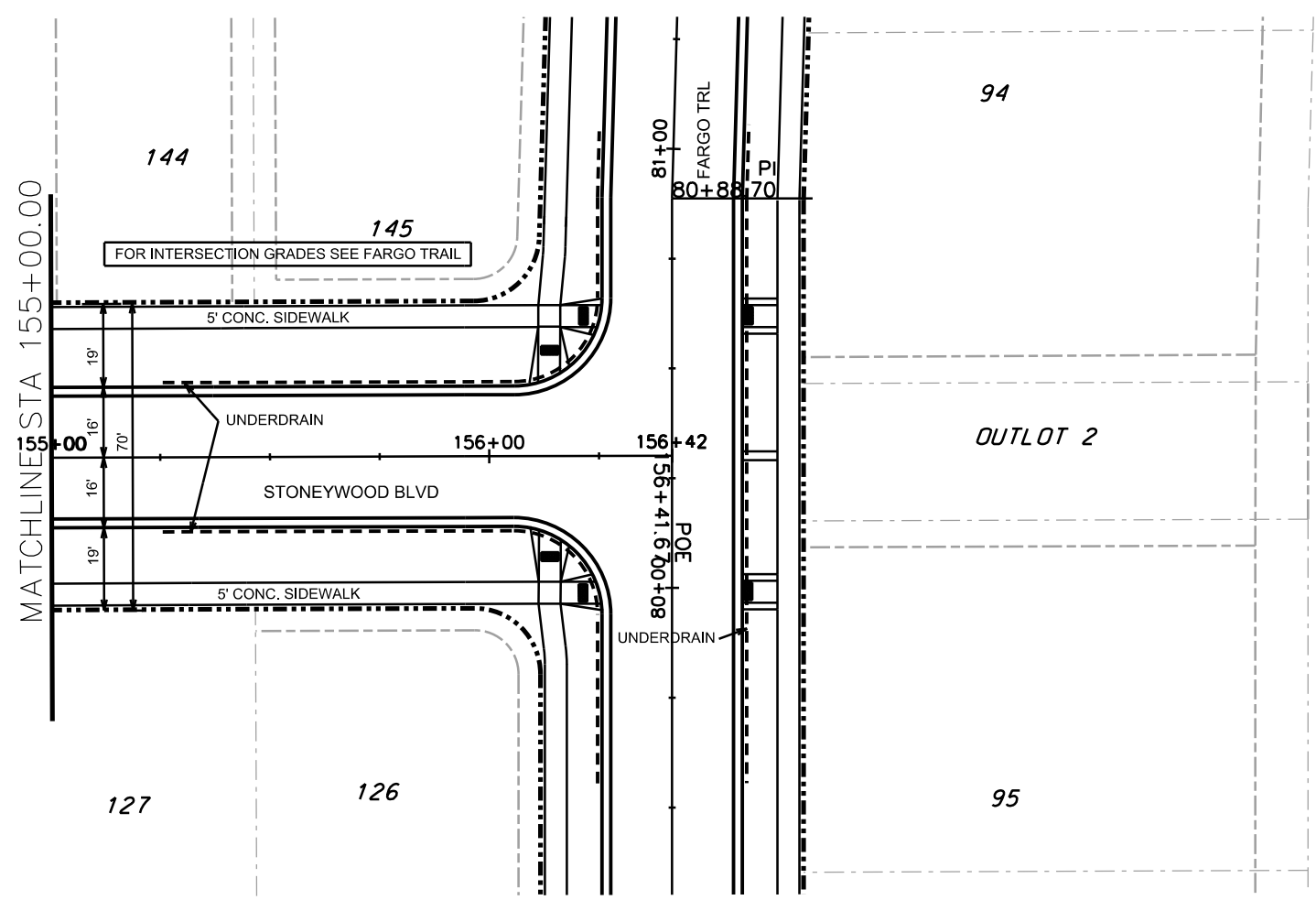


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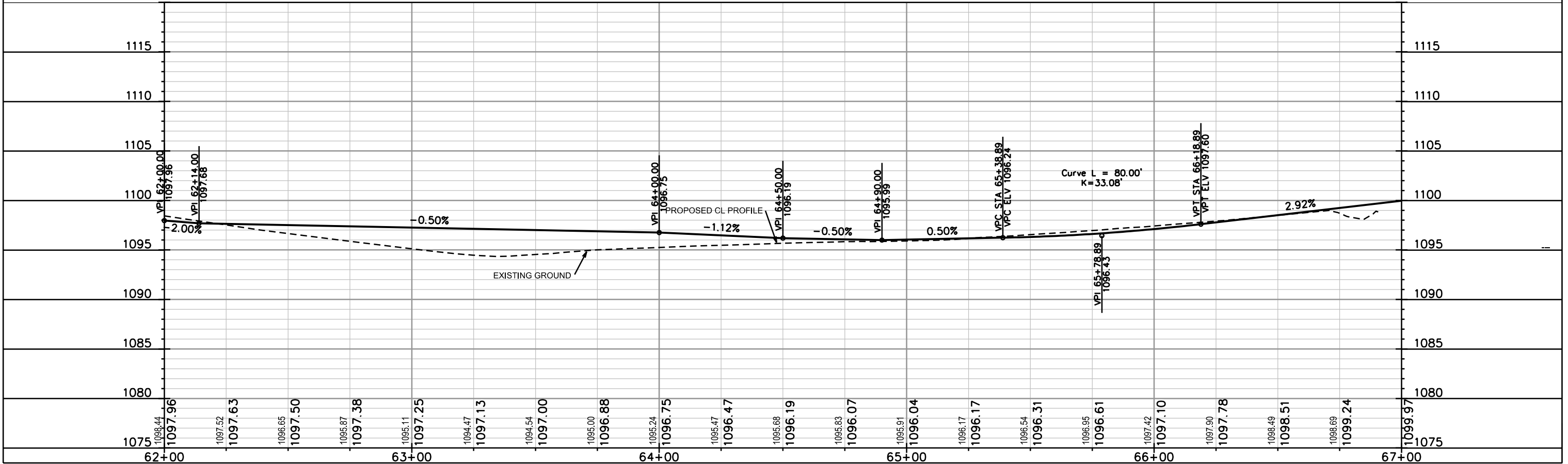
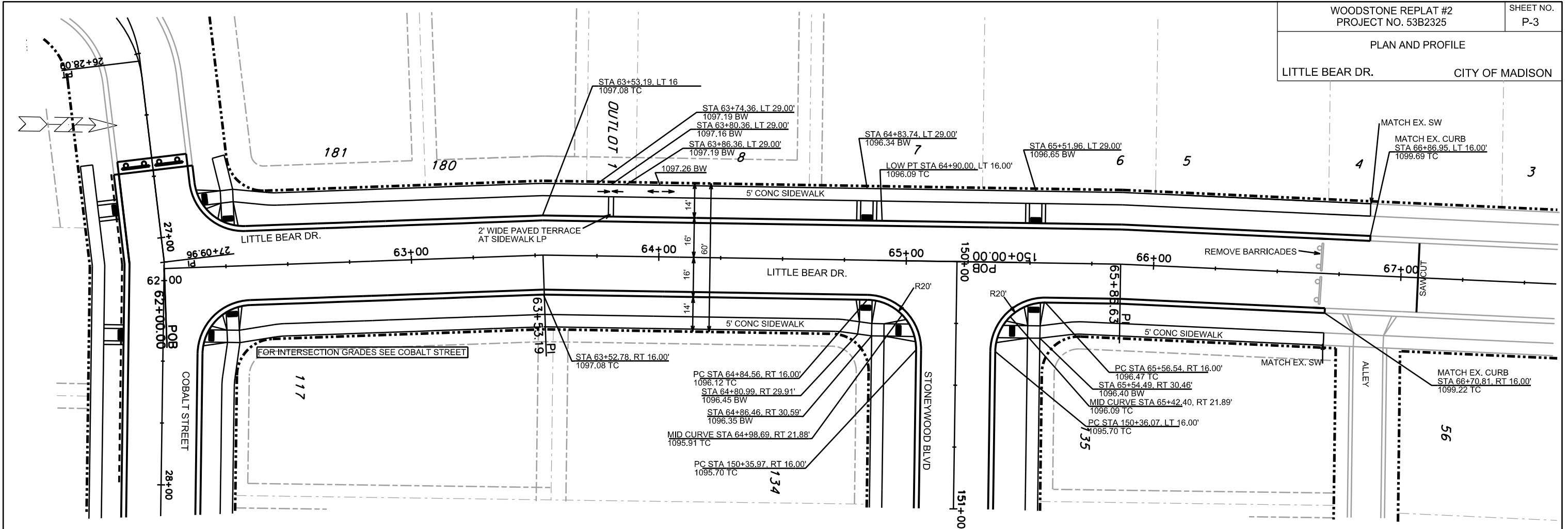


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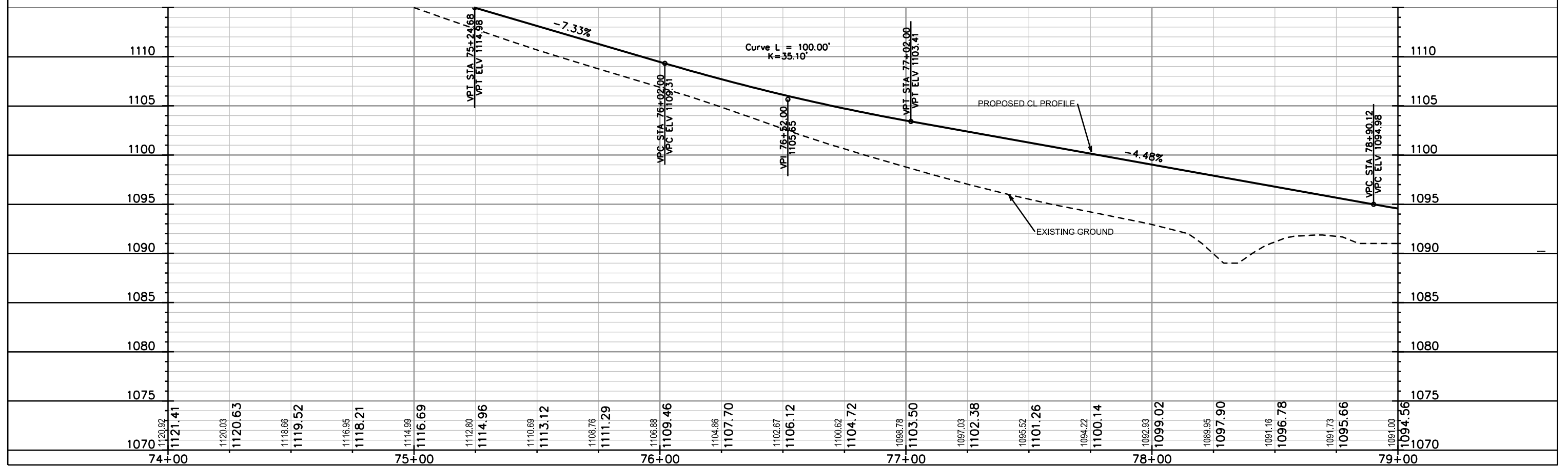
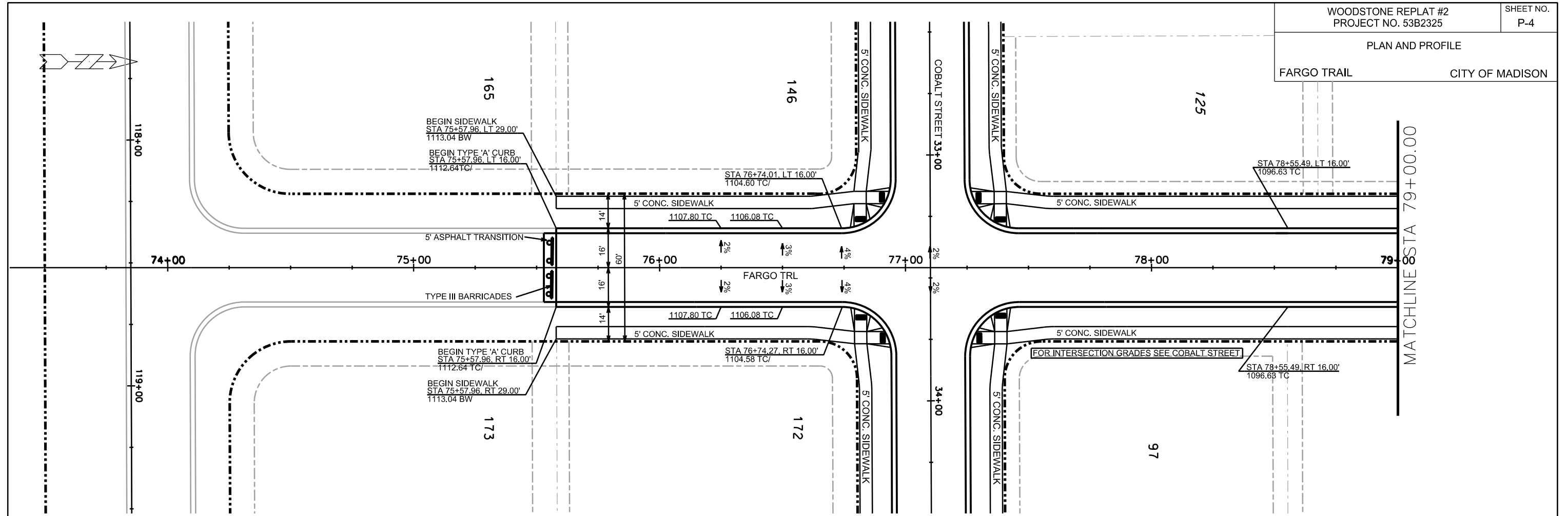
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

FARGO TRAIL

CITY OF MADISON



PLOT SCALE:

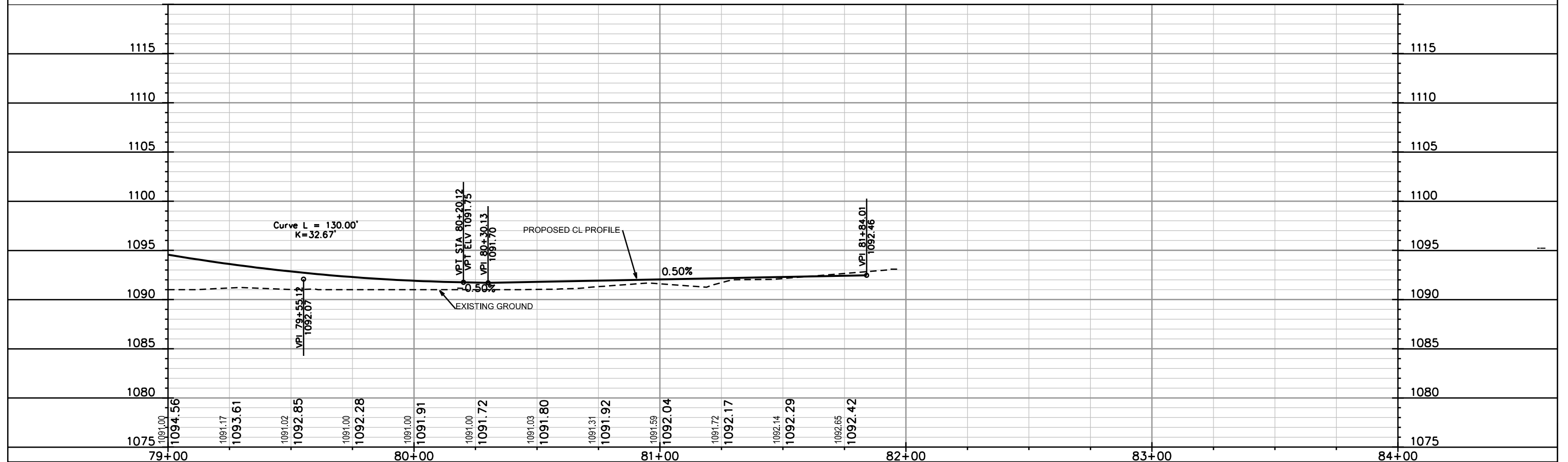
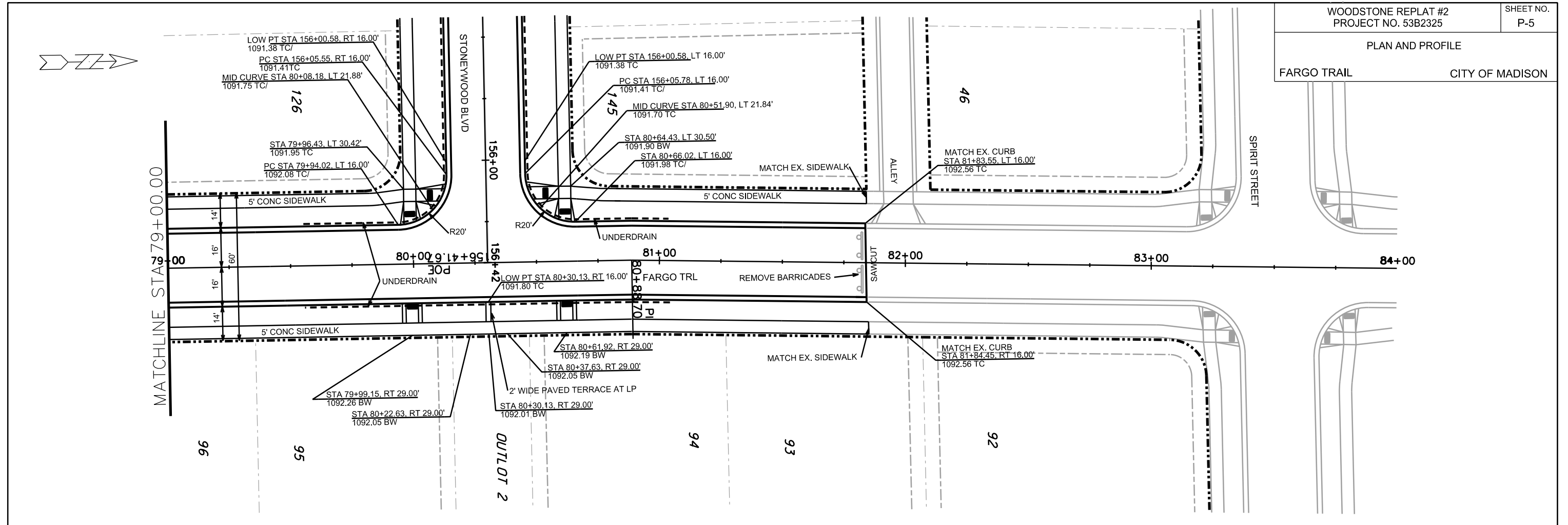
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

FARGO TRAIL CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

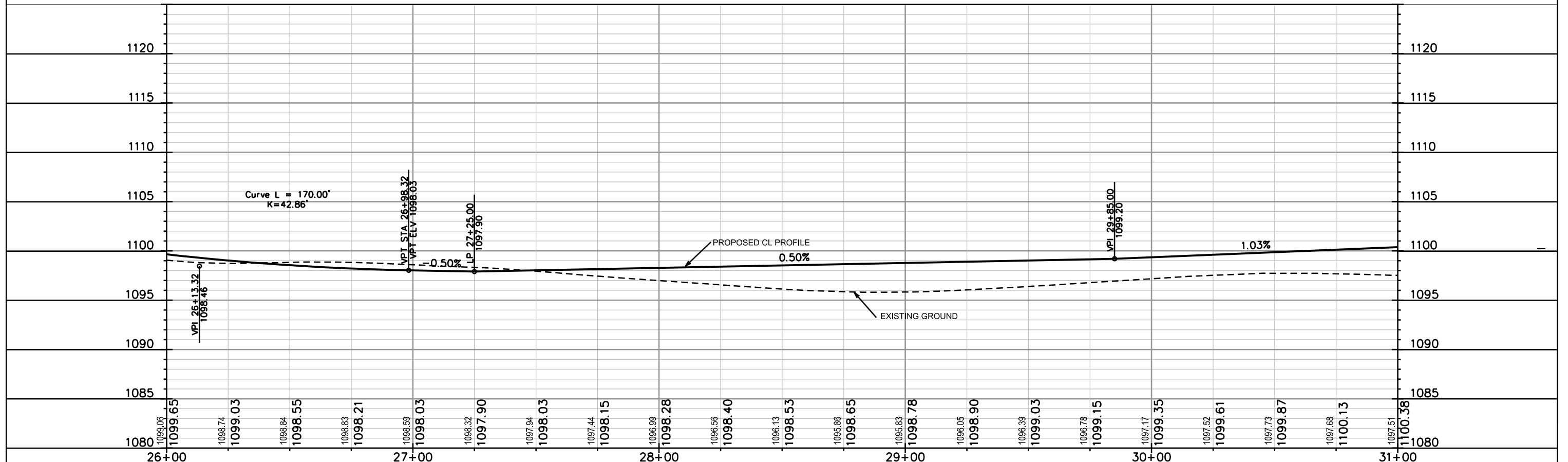
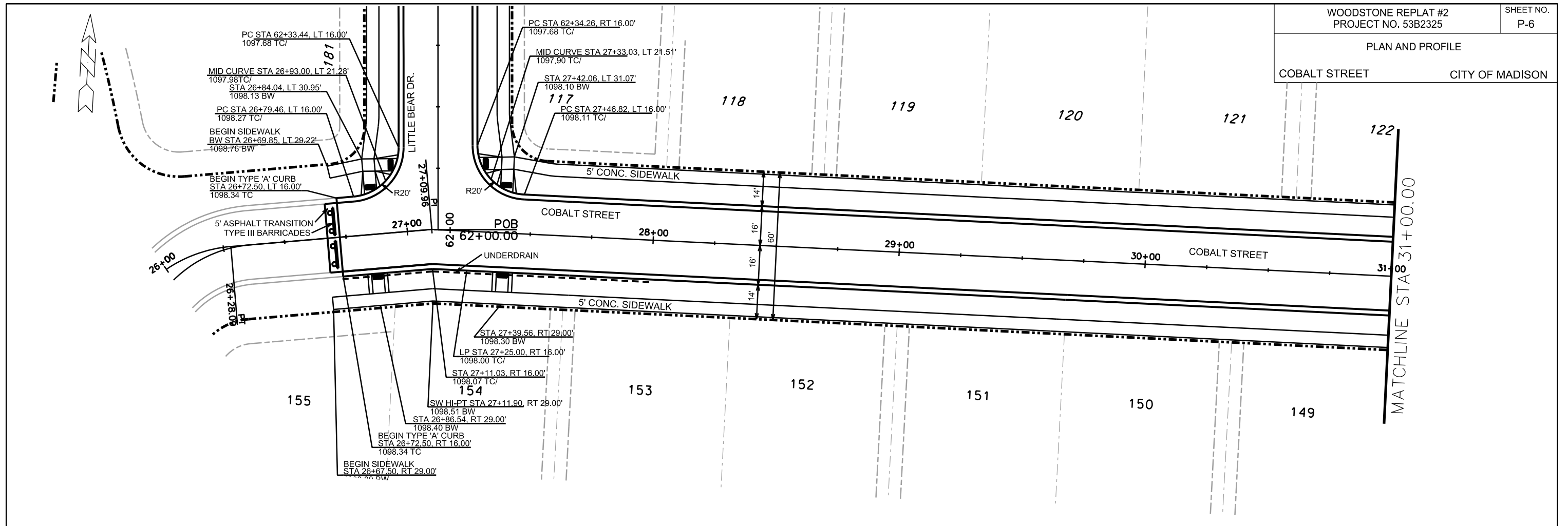
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

COBALT STREET

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

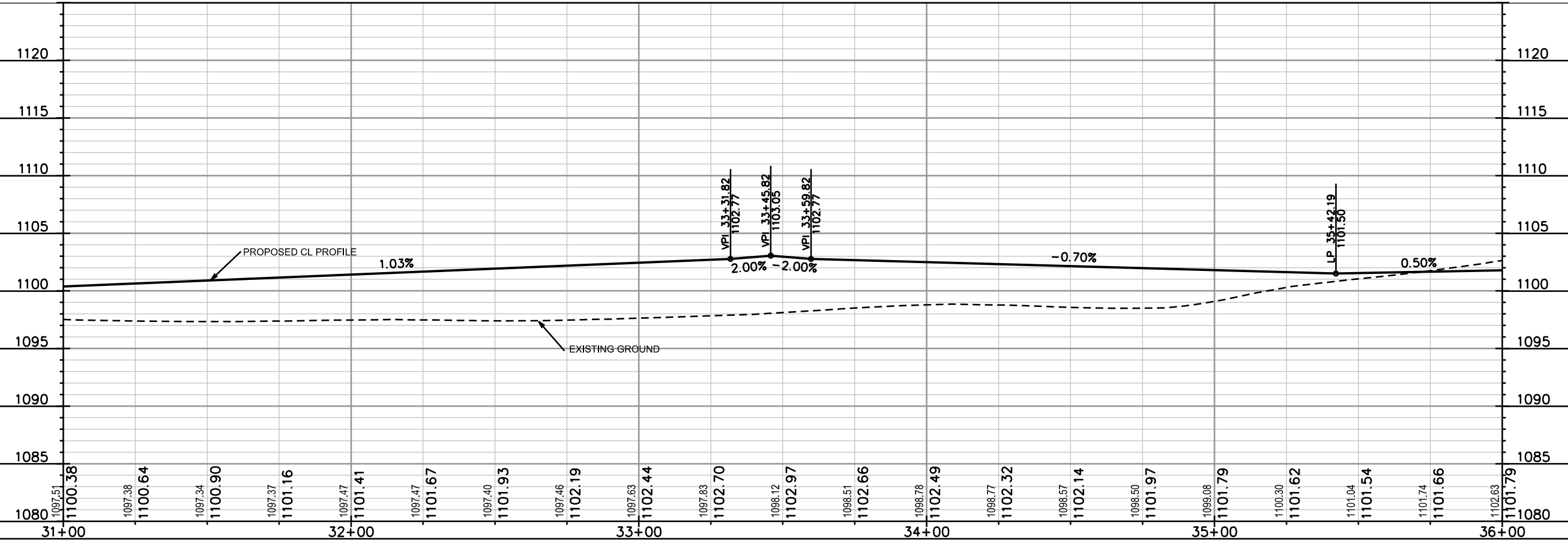
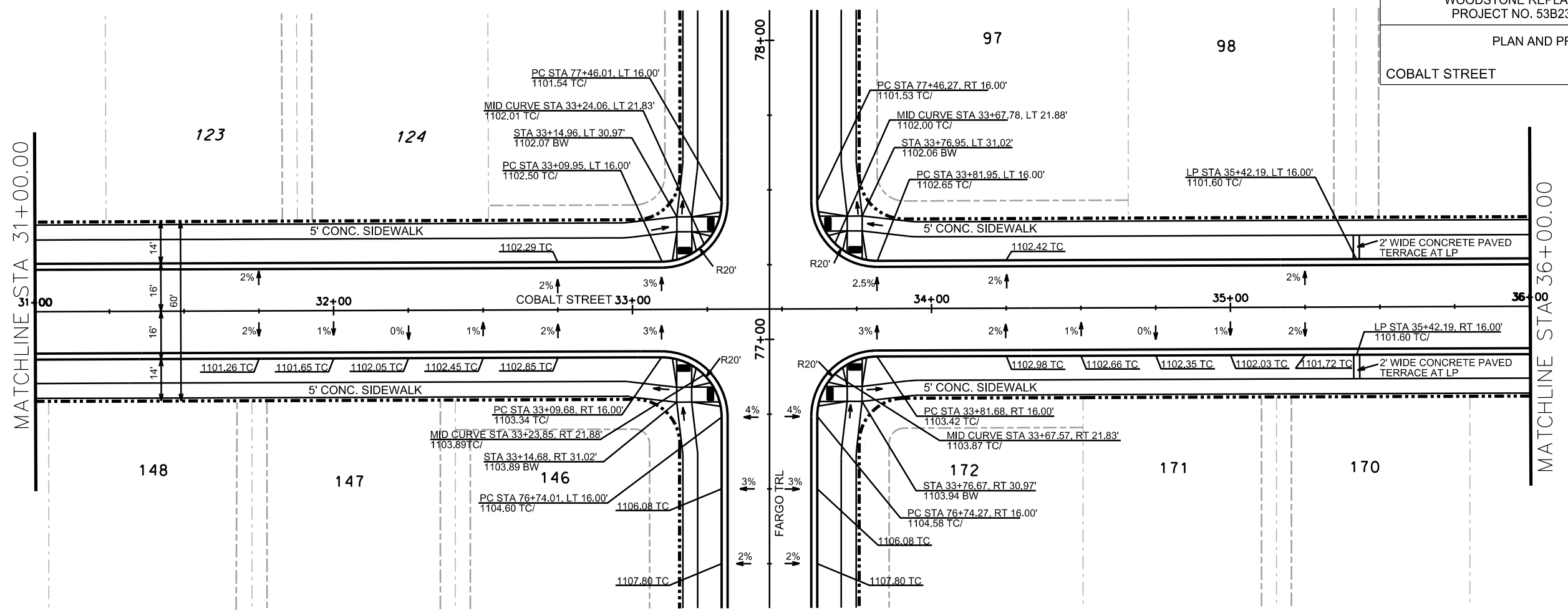
PLAN AND PROFILE

COBALT STREET CITY OF MADISON



MATCHLINE STA 31+00.00

MATCHLINE STA 36+00.00

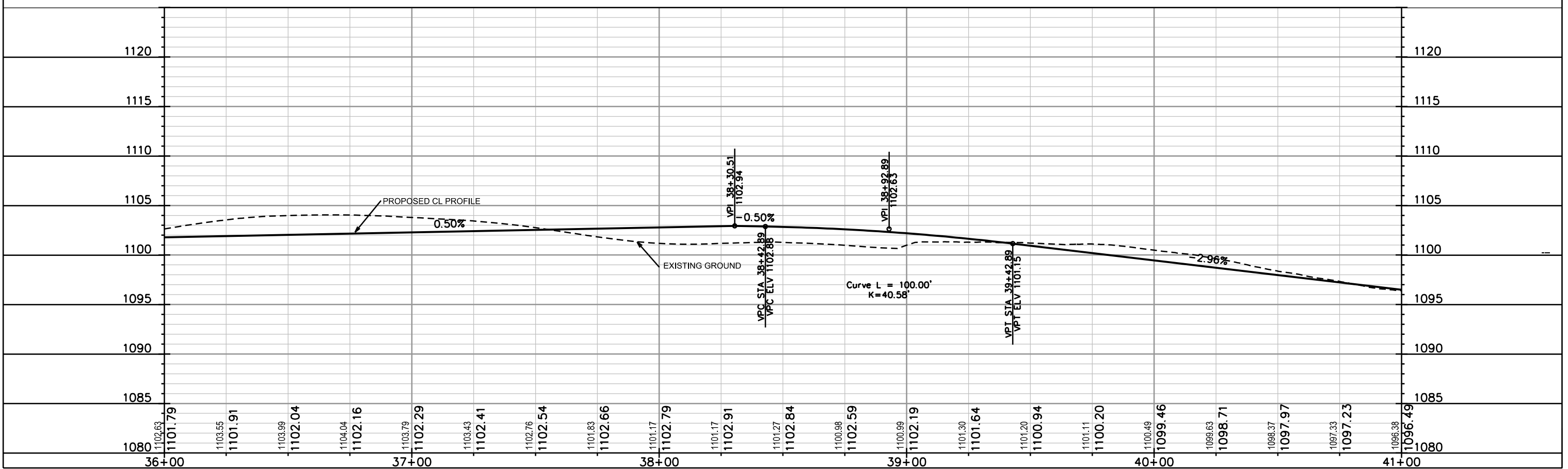
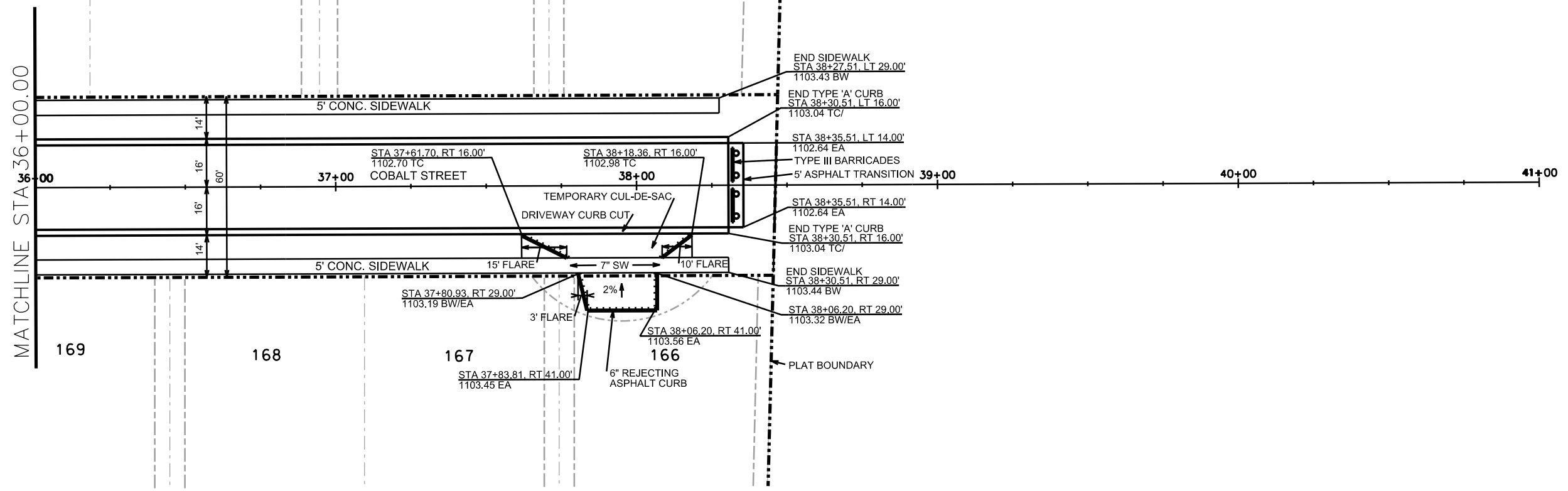


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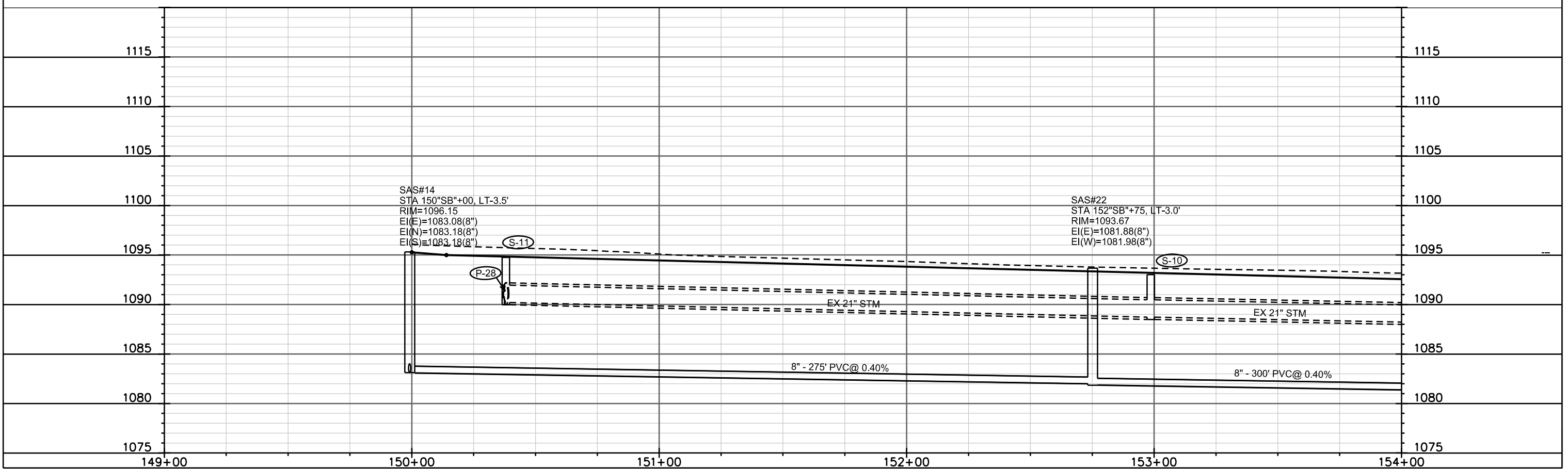
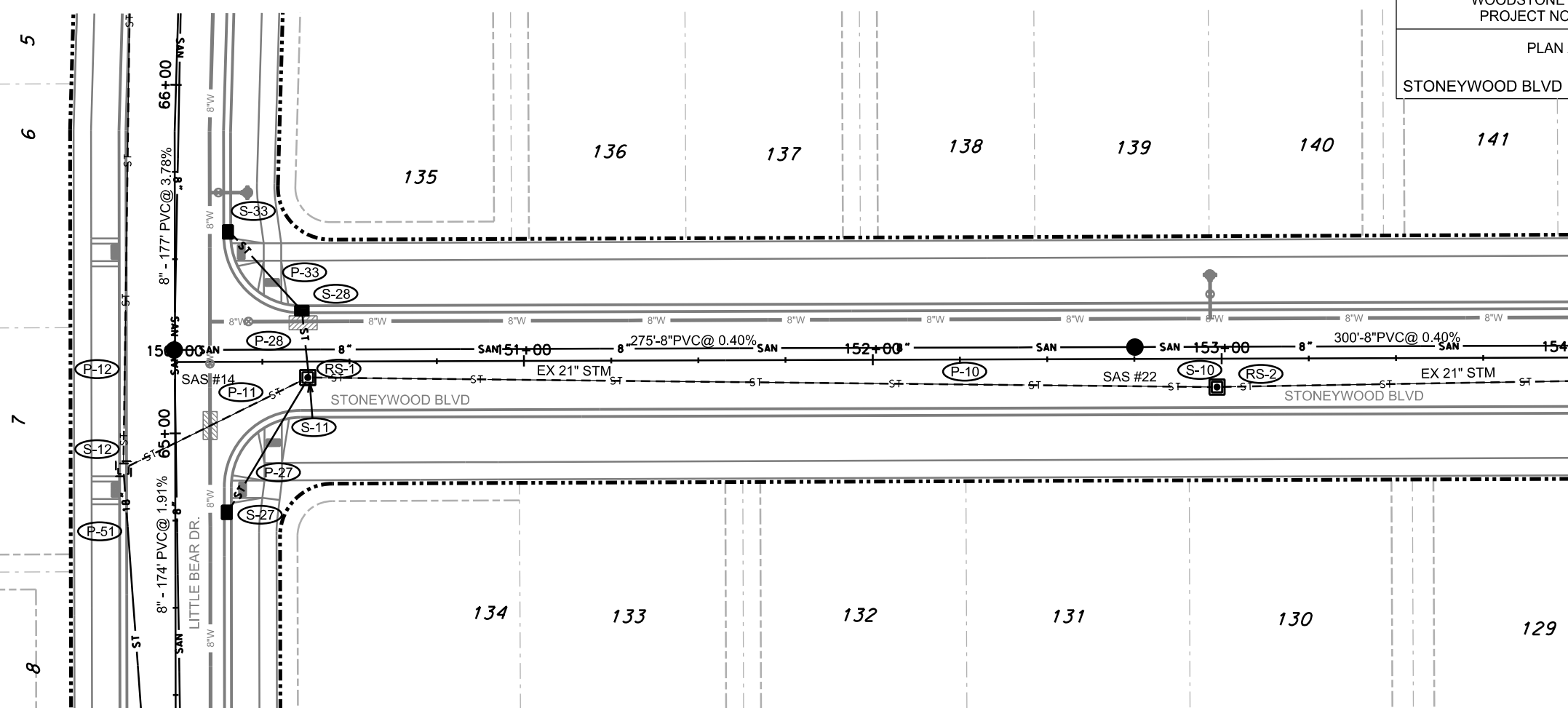
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

STONEYWOOD BLVD

CITY OF MADISON

MATCHLINE STA 154+00.00



SAS#14
STA 150+00, LT-3.5'
RIM=1096.15
EI(E)=1083.08(8")
EI(N)=1083.18(8")
EI(S)=1083.18(8")

SAS#22
STA 152+75, LT-3.0'
RIM=1093.67
EI(E)=1081.88(8")
EI(W)=1081.98(8")

PLOT SCALE: _____

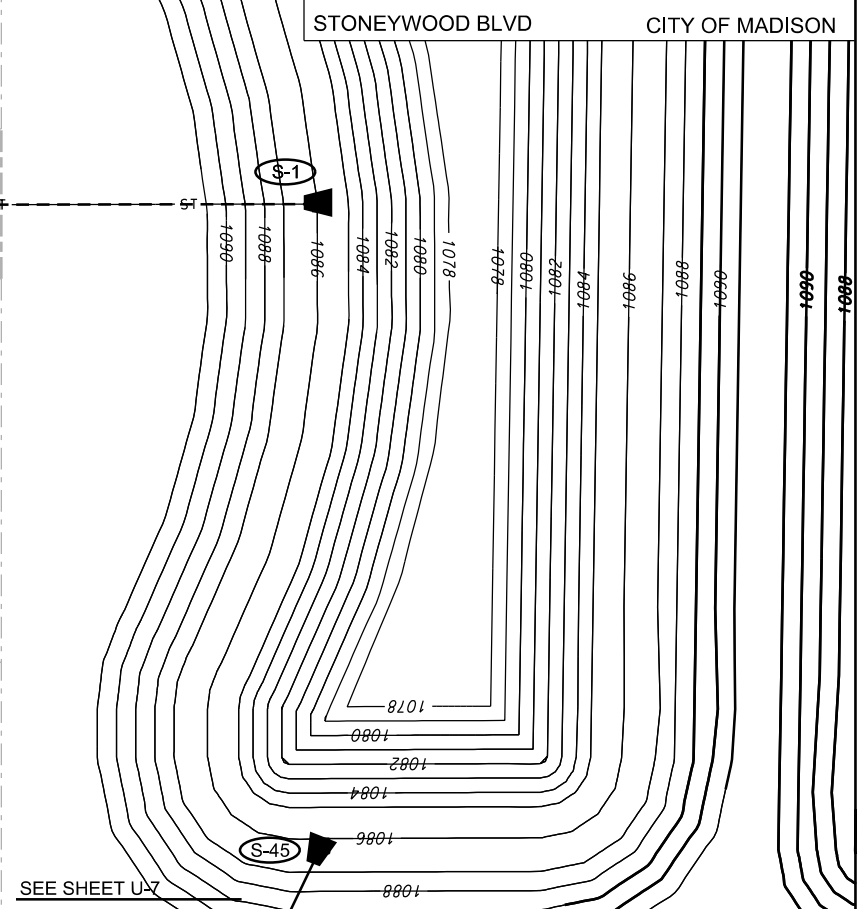
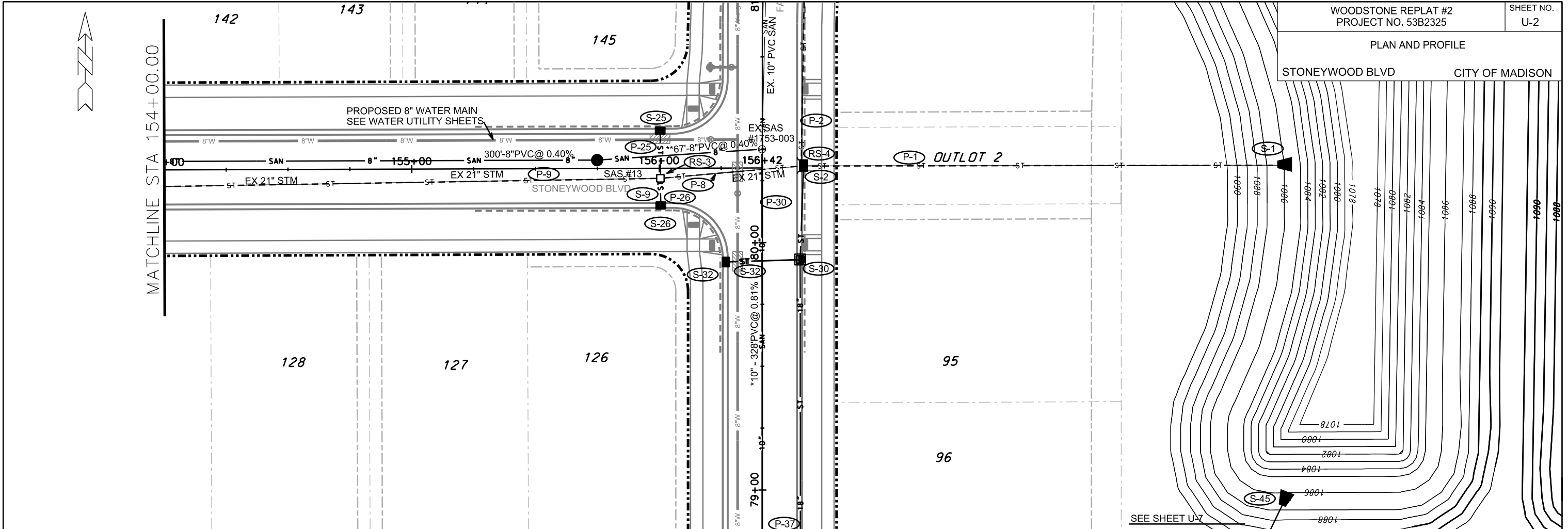
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

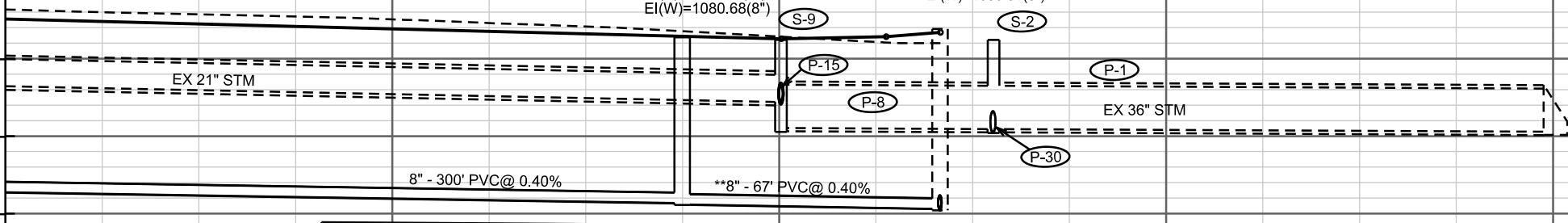
STONEWOOD BLVD CITY OF MADISON



SANITARY SEWER LATERALS SHALL BE C900 DR18 PRESSURE PIPE WHERE CORRESPONDING IS PRESSURE PIPE. DUCTILE IRON FITTINGS SHALL BE USED AND LATERALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 503.3 OF THE CITY OF MADISON STANDARD SPECIFICATIONS. ALL C900 PIPE SHALL MEET PRESSURE TESTING REQUIREMENTS IN ACCORD WITH SECTION 703.14 OF STANDARD SPECIFICATIONS.

SAS#13
STA 155"SB"+75, LT-3.5
RIM=1091.37
EI(E)=1080.58(8")
EI(W)=1080.68(8")

EX SAS #1753-003
ADJUST RIM
STA 80"FT"+37.72 RT-0'
RIM=1091.92
EI(N)=1080.21(10")
EI(S)=1080.31(10")
EI(W)=1080.31(8")



** PIPE SHALL CONFORM TO SPECIFICATIONS OF AWWA C900 DR18 PRESSURE PIPE OR EQUAL

PLOT SCALE: _____

PLOT NAME: _____

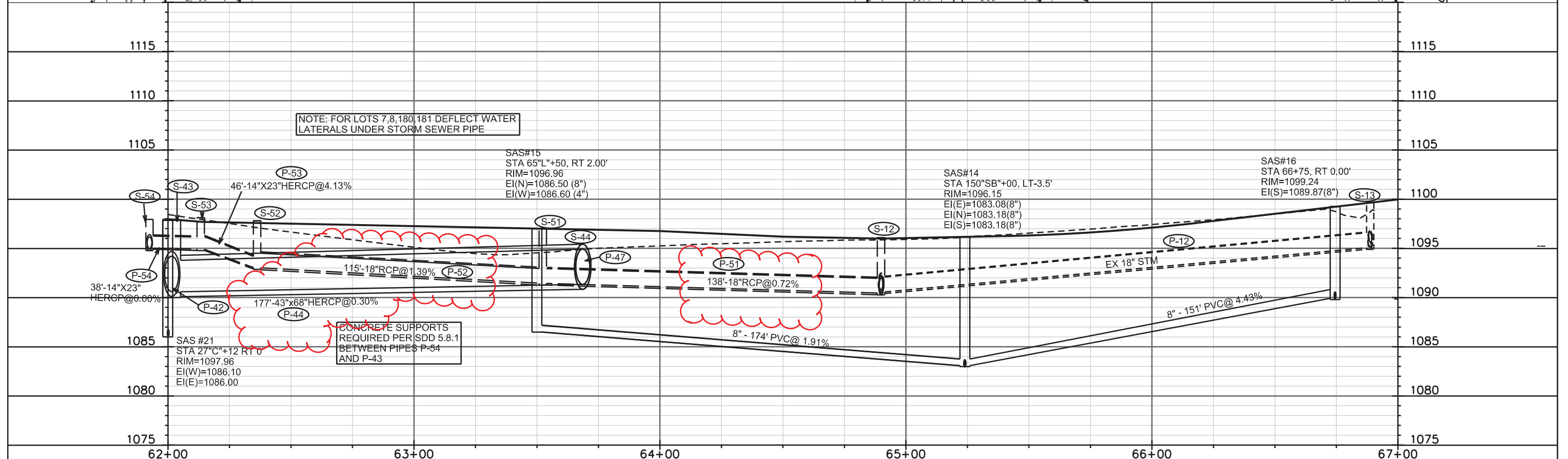
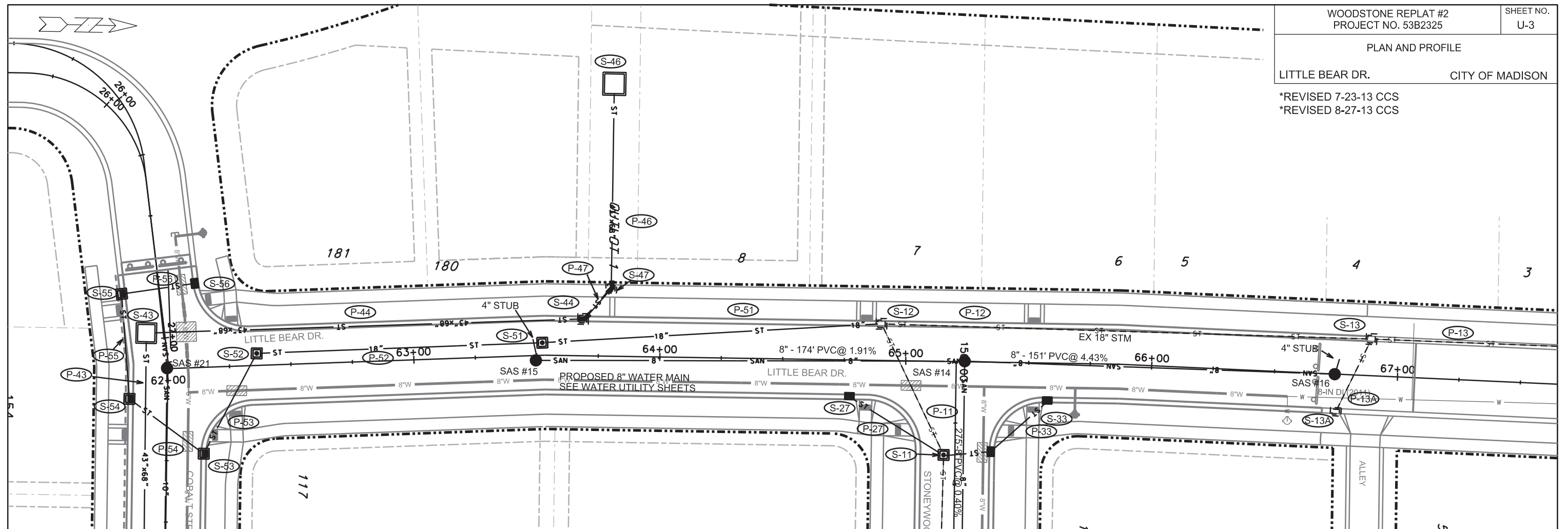
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

LITTLE BEAR DR. CITY OF MADISON

*REVISED 7-23-13 CCS
*REVISED 8-27-13 CCS



PLOT SCALE: _____

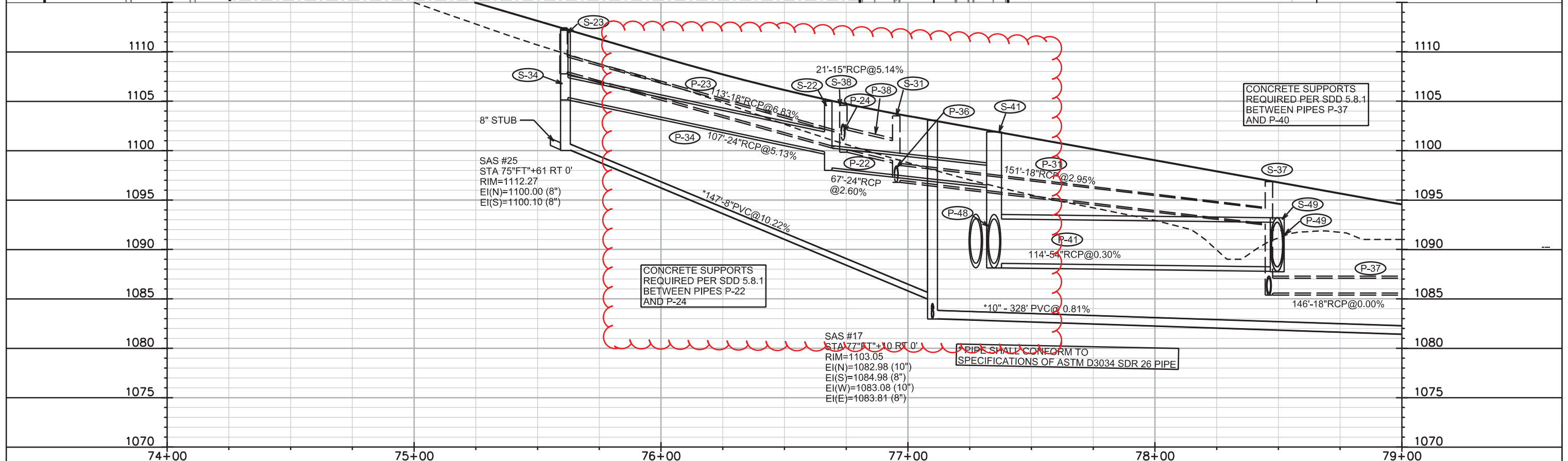
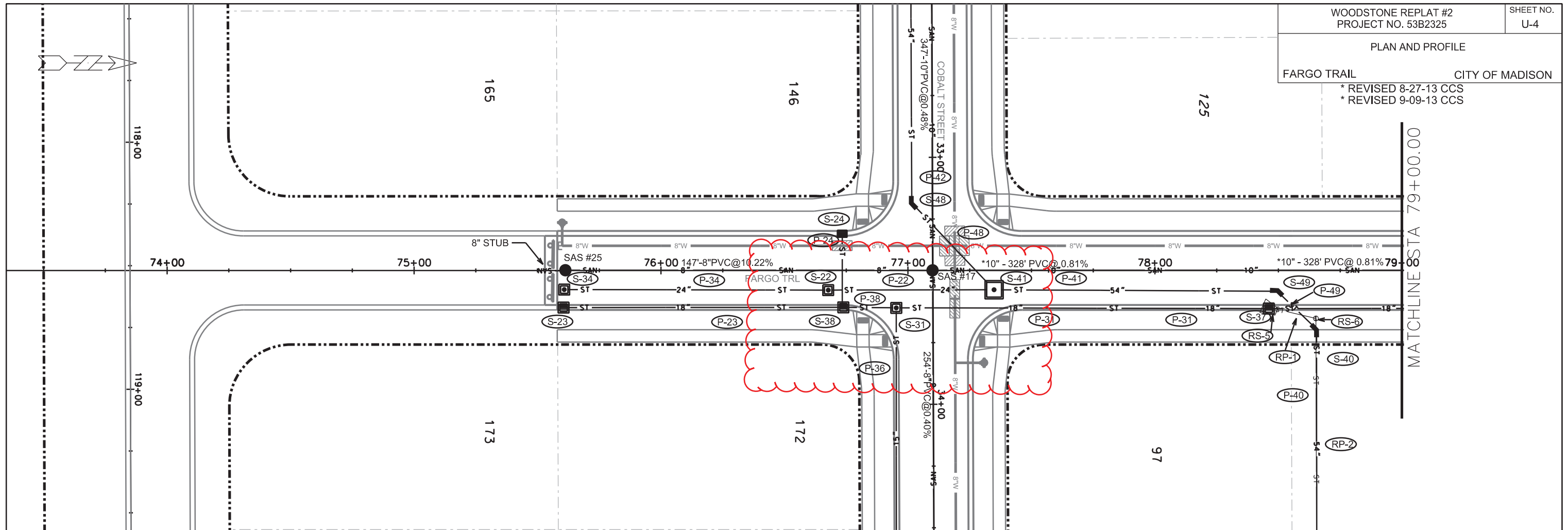
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

FARGO TRAIL CITY OF MADISON
* REVISED 8-27-13 CCS
* REVISED 9-09-13 CCS

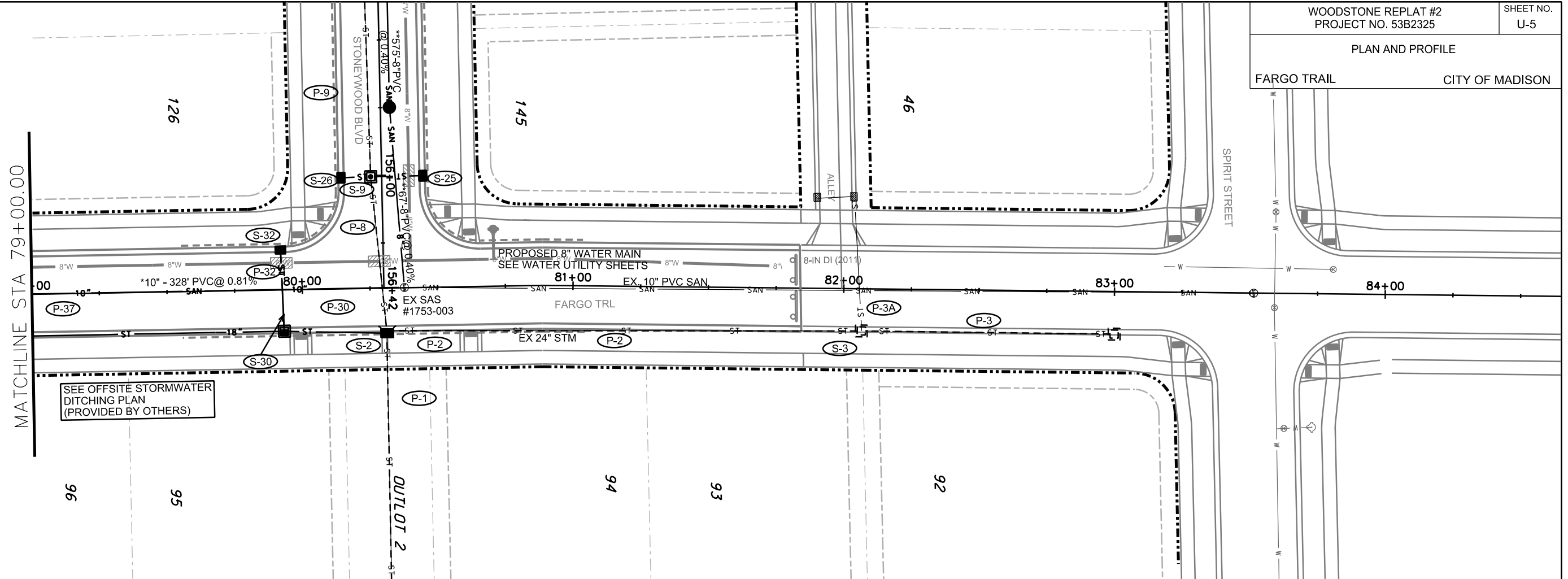


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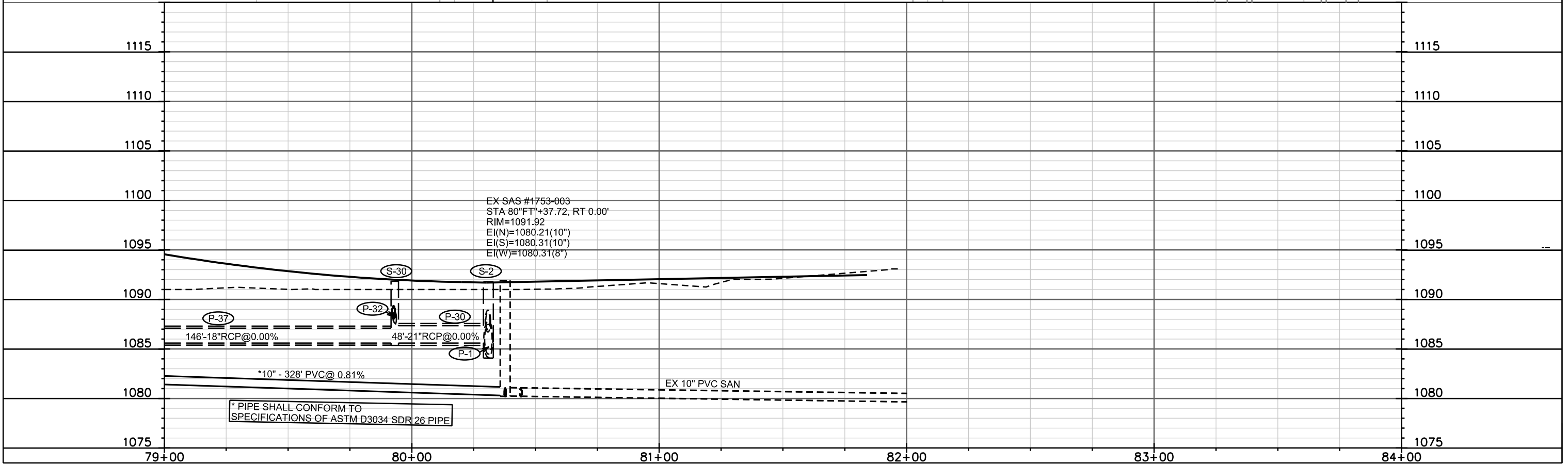


SEE OFFSITE STORMWATER
DITCHING PLAN
(PROVIDED BY OTHERS)

PROPOSED 8\"/>

EX SAS #1753-003
STA 80+00+37.72, RT 0.00'
RIM=1091.92
EI(N)=1080.21(10")
EI(S)=1080.31(10")
EI(W)=1080.31(8")

* PIPE SHALL CONFORM TO
SPECIFICATIONS OF ASTM D3034 SDR 26 PIPE



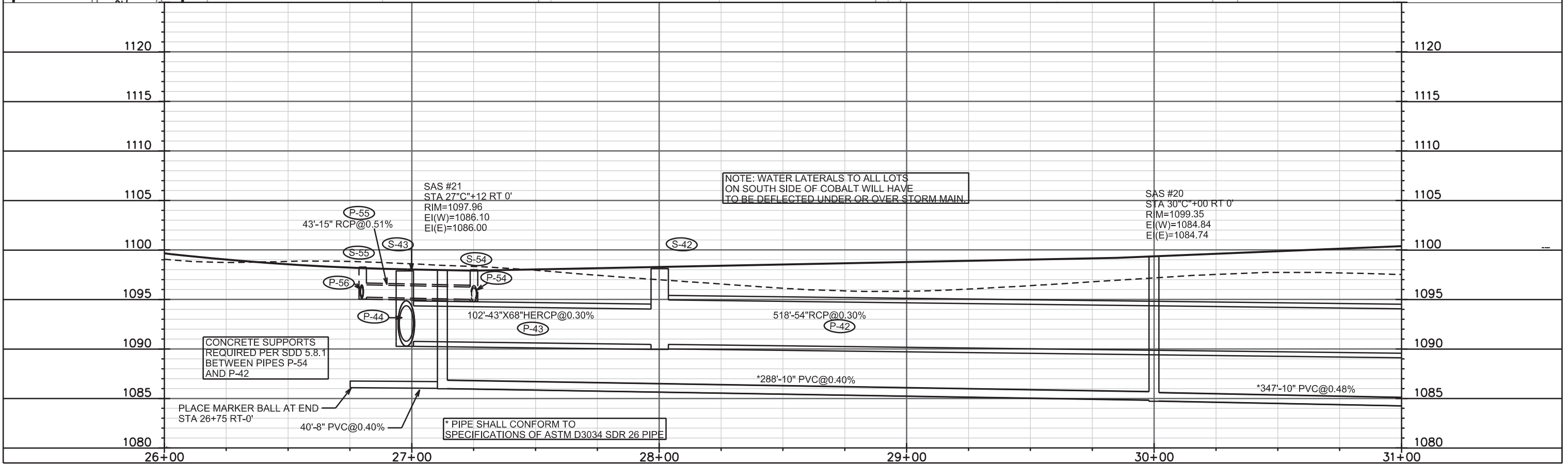
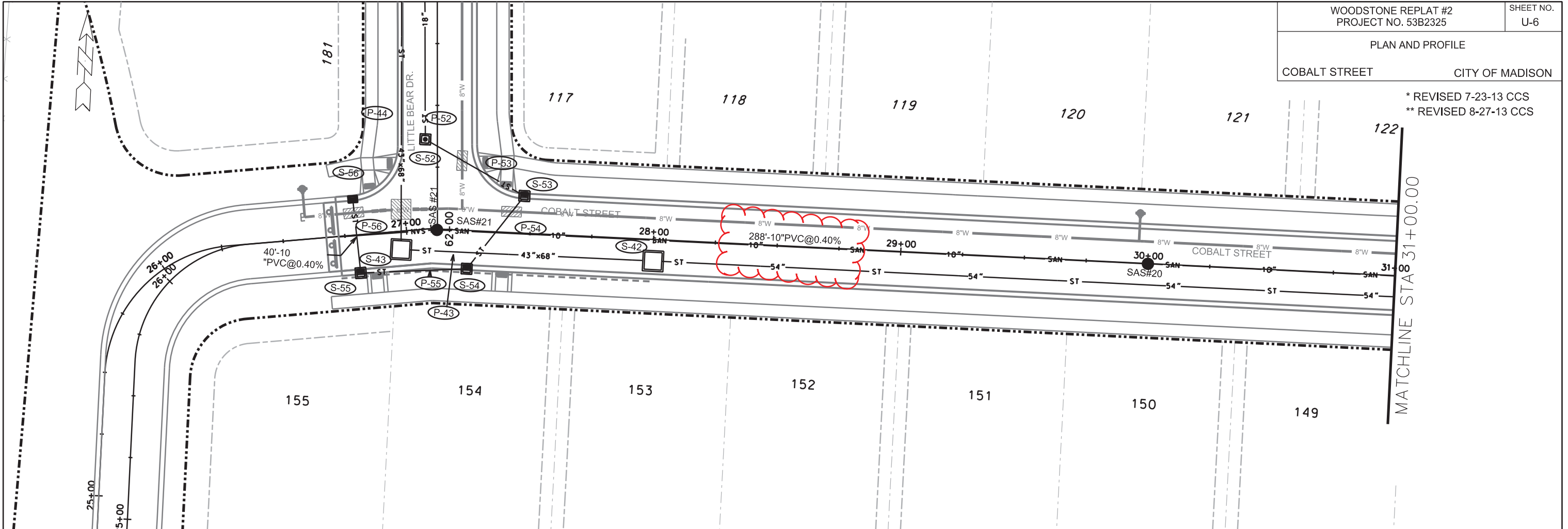
PLOT SCALE: _____

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* REVISED 7-23-13 CCS
** REVISED 8-27-13 CCS



PLOT SCALE: _____

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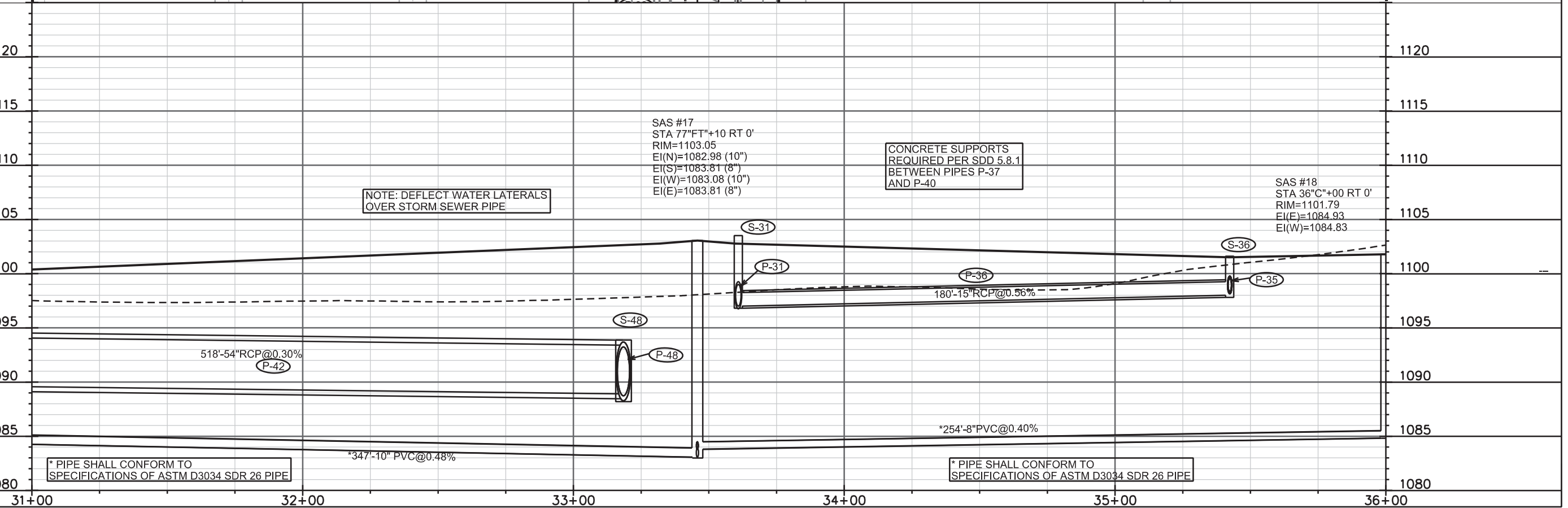
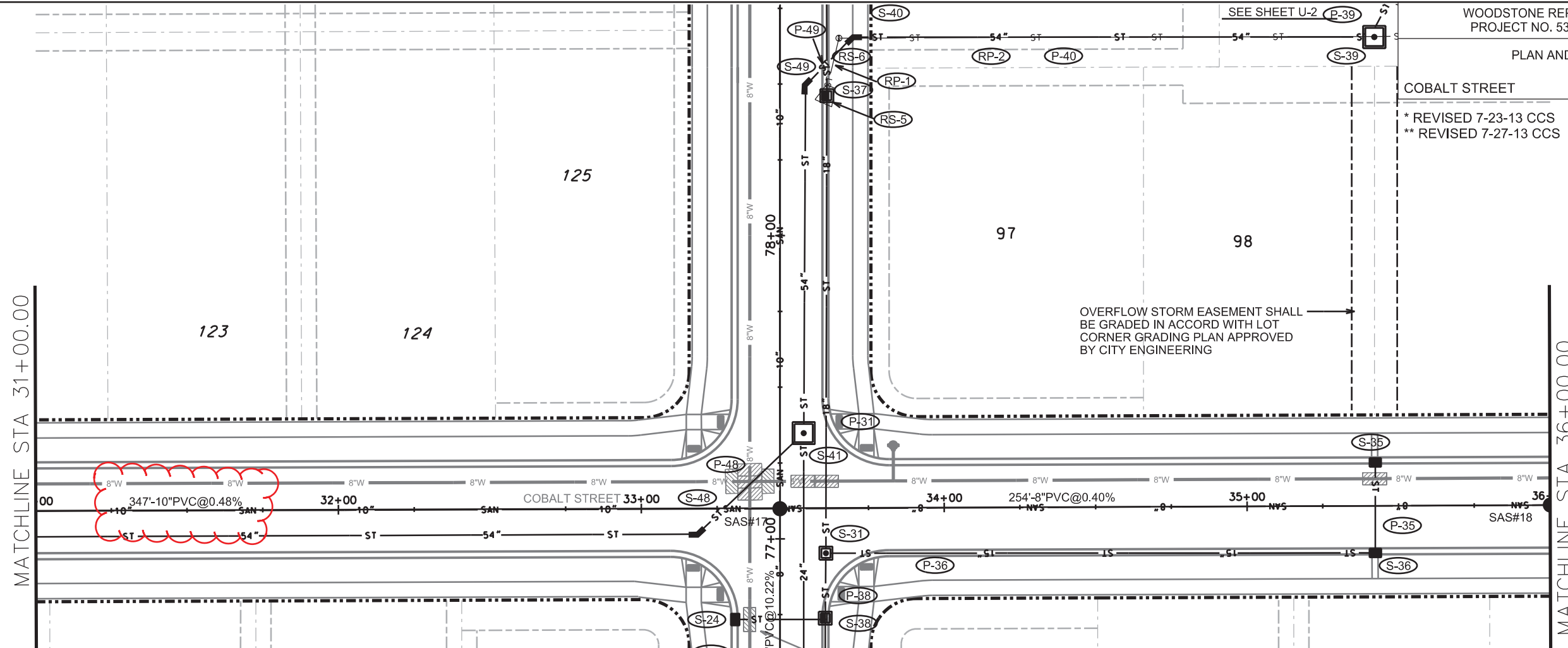
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

COBALT STREET CITY OF MADISON

* REVISED 7-23-13 CCS
** REVISED 7-27-13 CCS



PLOT SCALE: _____

PLOT NAME: _____

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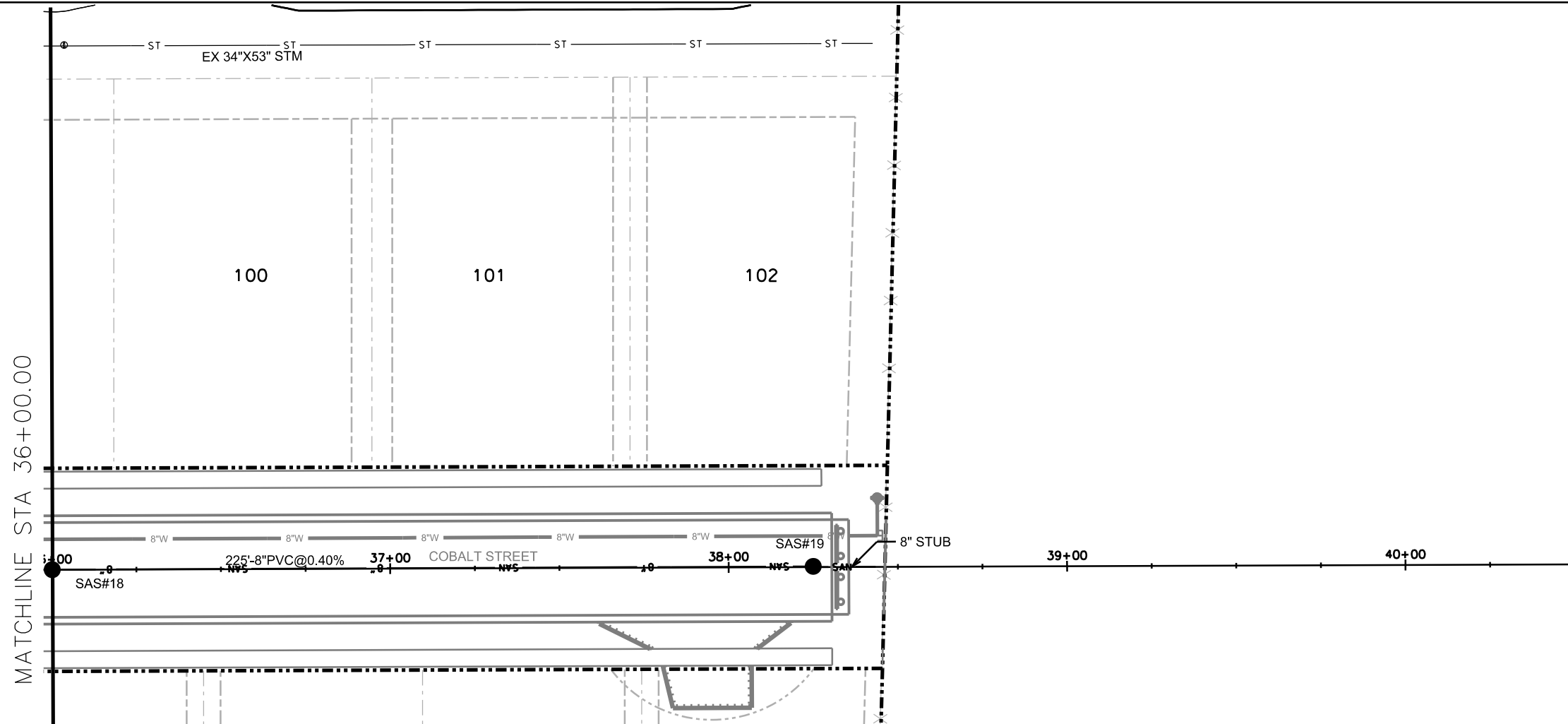
PLAN AND PROFILE

COBALT STREET

CITY OF MADISON



MATCHLINE STA 36+00.00



* PIPE SHALL CONFORM TO
SPECIFICATIONS OF ASTM D3034 SDR 26 PIPE

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

* REVISED 7-23-13 CCS

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 #13	155'SB'+75.00	LT-3.50	1091.37	1080.58	10.79	
SAS #14	150'SB'+00.00	LT-3.50	1096.15	1083.08	13.07	
SAS #15	65'LB'+50.00	RT-2.00	1096.96	1086.50	10.46	
SAS #16	66'SB'+75.00	RT-0'	1099.24	1089.87	9.37	
SAS #17	77'FT'+10.00	RT-0'	1103.05	1082.98	20.07	
SAS #18	36'FT'+00.00	RT-0'	1101.79	1084.83	16.96	
SAS #19	38'C'+25.00	RT-0'	1102.91	1085.83	17.08	
SAS #20	30'C'+00.00	RT-0'	1099.35	1084.74	14.61	
SAS #21	27'C'+12.00	RT-0'	1097.96	1086.00	11.96	
SAS #22	152'SB'+75.00	LT-3.00	1093.67	1081.88	11.79	
SAS #25	75'FT'+61.00	RT-0'	1112.27	1100.00	12.27	

PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	LGTH (FT)	E.I. DOWNSTREAM	E.I. UPSTREAM	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
1753-003	SAS #13	67	1080.31	1080.58	0.40%	8"	PVC AWWA C900 DR18	
SAS #22	SAS #14	275	1081.98	1083.08	0.40%	8"	PVC SDR 35	
SAS #14	SAS #15	174	1083.18	1086.50	1.91%	8"	PVC SDR 35	
* SAS #14	SAS #16	151	1083.18	1089.87	4.43%	8"	PVC SDR 35	
1753-003	SAS #17	328	1080.31	1082.98	0.81%	10"	PVC SDR 26	
SAS #17	SAS #20	347	1083.08	1084.74	0.48%	10"	PVC SDR 26	
SAS #20	SAS #21	288	1084.84	1086.00	0.40%	10"	PVC SDR 26	
SAS #17	SAS #18	254	1083.81	1084.83	0.40%	8"	PVC SDR 26	
SAS #18	SAS #19	225	1084.93	1085.83	0.40%	8"	PVC SDR 26	
SAS #13	SAS #22	300	1080.68	1081.88	0.40%	8"	PVC SDR 35	
SAS #17	SAS #25	147	1084.98	1100.00	10.22%	8"	PVC SDR 26	
SAS #27	STUB	40	1086.10	1086.26	0.40%	8"	PVC SDR 26	

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

ORIGINATOR: CITY OF MADISON STREETS DIVISION

STORM SEWER SCHEDULE

ALIGNMENT CODES:

"FT"=FARGO TRAIL
 "SB"=STONEWOOD BLVD (EB)
 "LB"=LITTLE BEAR DR

* REVISED 7-23-13 CCS
 ** REVISED 7-27-13 CCS
 & REVISED 9-9-13 CCS

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-1	12'OT'+14.02	CL	EX 36" RCP AE	-	1085.00	-	W/ GATE
S-2	80'FT'+30.13	RT-15.50	TERRACE INL TYPE III	1091.80	1085.59	6.21	LP;FP; W/3067-7004
S-3	82'FT'+06.82	RT-15.50	EX 4X4 SAS	1092.88	1086.11	6.77	W/ R-3067-7004
S-3A	101'A'+08.78	LT-6.75	EX H INLET	1092.67	1088.78	3.89	LP; W/ R-3382; SDD 5.7.33
S-3B	101'A'+08.78	RT-6.75	EX H INLET	1092.43	1089.03	3.40	LP; W/ R-3382; SDD 5.7.33
S-8	110'ER'+00.00	RT-21.50	EX H INLET	1097.56	1094.16	3.40	W/ R-3067-7004
S-9	156'SB'+00.00	RT-4.00	4X4 SAS	1091.21	1087.21	4.00	W/1550-0054
S-10	152'SB'+98.00	RT-8.50	4X4 SAS	1093.02	1088.72	4.30	FP; W/1550-0054
S-11	150'SB'+38.00	RT-4.00	4X4 SAS	1094.76	1090.20	4.56	FP; W/1550-0054
S-12	64'LB'+90.00	LT-15.50	EX 4X4 SAS	1096.09	1090.50	5.59	ADJUST; LP; W/3067-7004
S-13	66'LB'+88.83	LT-15.50	EX 3X3 SAS	1099.69	1095.12	4.57	W/ R-3067-7004
S-13A	66'LB'+75.58	RT-15.50	EX H INLET	1099.39	1095.79	3.60	W/ R-3067-7004
** S-14	68'LB'+03.32	LT-15.50	EX 3X3 SAS	1103.74	1099.17	4.54	W/ R-3067-7004
& S-22	76'SB'+67.00	RT-6.00	3X3 SAS	1104.99	1098.25	6.74	W/1550-0054
* S-23	75'FT'+58.00	RT-15.50	3X3 SAS	1112.43	1107.97	4.46	W/ R-3067-7004-V; (3)
* S-24	76'FT'+74.00	LT-16.00	H INLET	1104.60	1101.40	3.20	W/ R-3067-7004-V
S-25	156'SB'+00.58	LT-15.50	H INLET	1091.38	1088.12	3.26	W/ R-3067-7004
** S-26	156'SB'+00.58	RT-15.50	H INLET	1091.38	1088.12	3.26	W/ R-3067-7004
S-27	64'LB'+76.00	RT-15.50	H INLET	1095.21	1092.01	3.20	W/ R-3067-7004-V
S-28	150'SB'+36.00	LT-15.50	H INLET	1094.95	1091.65	3.30	W/ R-3067-7004-V
S-30	79'FT'+94.00	RT-7.00	3X3 SAS	1091.84	1085.59	6.25	W/1550-0054
* S-31	76'FT'+96.00	RT-15.00	3X3 SAS	1103.58	1097.00	6.58	W/1550-0054
* S-32	79'FT'+94.00	LT-15.50	H INLET	1092.08	1088.80	3.28	W/ R-3067-7004-V
S-33	65'LB'+58.00	RT-15.50	H INLET	1096.00	1092.80	3.20	W/ R-3067-7004-V
* S-34	75'FT'+57.96	RT-8.00	3X3 SAS	1112.17	1105.38	6.79	W/ R-3067-7004-V; (2)
* S-35	35'C'+42.00	LT-15.50	H INLET	1101.60	1098.40	3.20	W/ R-3067-7004
* S-36	35'C'+42.00	RT-15.50	H INLET	1101.60	1098.00	3.60	W/ R-3067-7004
* S-37	78'FT'+46.00	RT-15.50	3X3 SAS	1097.04	1085.59	11.45	W/ R-3067-7004-V
* S-38	76'FT'+74.27	RT-15.50	3X3 SAS	1104.58	1100.08	4.50	W/ R-3067-7004-V
* S-39	78'FT'+65.00	RT-188.00	6X9 SAS	1093.65	1087.65	6.00	FP; W/1550-0054; (3)
* S-40	78'FT'+65.00	RT-8.00	45 DEG BEND	---	1088.17	---	PLACE MARKER BALL
* S-41	77'FT'+35.00	RT-7.50	6X6 SAS	1101.76	1088.58	13.18	FP; W/1550-0054
* S-42	28'C'+00.00	RT-8.00	7X7 SAS	1098.12	1090.28	7.84	FP; W/1550-0054
* S-43	27'C'+01.00	RT-8.00	7X7 SAS	1097.88	1090.59	7.29	FP; W/1550-0054
* S-44	63'LB'+68.00	LT-15.00	45 DEG BEND	---	1091.12	---	PLACE MARKER BALL
* S-45	79'FT'+00.00	RT-212.00	34"X53" AE	---	1086.00	---	END OF APRON STATIONED; W/GATE
* S-46	63'LB'+80.00	LT-110.00	8'X8' SAS	1097.00	1091.42	5.58	SEE SHEET U-13 FOR STRUCTURE DETAILS
* S-47	63'LB'+80.00	LT-27.50	45 DEG BEND	---	1091.17	---	PLACE MARKER BALL
* S-48	33'C'+18.00	RT-8.00	45 DEG BEND	---	1088.73	---	PLACE MARKER BALL
* S-49	78'FT'+49.00	RT-8.00	45 DEG BEND	---	1088.24	---	PLACE MARKER BALL
** S-50	64'LB'+76.00	LT-21.00	3X3 SAS	1095.34	1090.70	4.64	W/1550-0054
S-51	63'LB'+51.00	LT-4.50	3X3 SAS	1096.90	1091.50	5.40	W/1550-0054
S-52	62'LB'+36.00	LT-4.80	3X3 SAS	1097.47	1093.10	4.37	W/1550-0054
* S-53	27'C'+47.00	LT-15.50	3X3 SAS	1098.11	1095.00	3.11	FP; W/ R-3067-7004-V; (1)
* S-54	27'C'+25.00	RT-15.00	3X3 SAS	1098.00	1095.00	3.00	FP; LP; W/3067-7004; (1)
* S-55	26'C'+80.00	RT-15.50	3X3 SAS	1098.27	1095.22	3.05	FP; W/ R-3067-7004-V; (1)
* S-56	26'C'+80.00	LT-15.50	H INLET	1098.27	1095.37	2.90	FP; W/ R-3067-7004-V

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	198	1085.00	1085.59	0.30%	36"	EX RCP	
P-2	S-2	S-3	176	1085.59	1086.11	0.30%	24"	EX RCP	
P-3	S-3	S-4	93	1086.11	1086.39	0.30%	24"	EX RCP	
P-8	S-2	S-9	60	1086.84	1087.21	0.62%	21"	EX RCP	
P-9	S-9	S-10	302	1087.21	1088.72	0.50%	21"	EX RCP	
P-10	S-10	S-11	261	1088.72	1090.20	0.57%	21"	EX RCP	
P-11	S-11	S-12	59	1090.20	1090.50	0.51%	21"	EX RCP	
P-12	S-12	S-13	199	1090.75	1095.12	2.20%	18"	EX RCP	
P-13	S-13	S-14	114	1095.12	1099.17	3.55%	18"	EX RCP	
P-13A	S-13	S-13A	34	1095.62	1095.79	0.50%	12"	EX RCP	
** P-14	S-14	S-15	79	1099.42	1099.82	0.51%	15"	EX RCP	
& P-22	S-41	S-22	67	1096.51	1098.25	2.60%	24"	RCP	
P-23	S-38	S-23	113	1100.25	1107.97	6.83%	18"	RCP	
P-24	S-38	S-24	30	1101.25	1101.40	0.50%	12"	RCP	
P-25	S-9	S-25	19	1087.96	1088.12	0.84%	12"	RCP	
P-26	S-9	S-26	19	1087.96	1088.12	0.84%	12"	RCP	
** P-27	S-11	S-27	45	1091.45	1092.01	1.24%	12"	RCP	NCM
** P-28	S-11	S-28	19	1090.95	1091.65	3.68%	12"	RCP	
P-30	S-2	S-30	48	1085.59	1085.59	0.00%	21"	RCP	
P-31	S-37	S-31	151	1092.54	1097.00	2.95%	18"	RCP	
* P-32	S-30	S-32	21	1087.59	1088.80	5.76%	12"	RCP	NCM
P-33	S-28	S-33	31	1092.55	1092.80	0.81%	12"	RCP	
& P-34	S-22	S-34	107	1099.89	1105.38	5.13%	24"	RCP	
P-35	S-36	S-35	29	1098.25	1098.40	0.52%	12"	RCP	
P-36	S-31	S-36	180	1097.00	1098.00	0.56%	15"	RCP	NCM
P-37	S-30	S-37	146	1085.59	1085.59	0.00%	18"	RCP	
P-38	S-31	S-38	21	1099.00	1100.08	5.14%	18"	RCP	NCM
* P-39	S-45	S-39	39	1086.00	1088.98	7.64%	34"X53"	HERCP	
* P-40	S-39	S-40	172	1087.65	1088.17	0.30%	54"	HERCP	
P-41	S-49	S-41	114	1088.24	1088.58	0.30%	54"	RCP	
P-42	S-48	S-42	518	1088.73	1090.28	0.30%	54"	RCP	
P-43	S-42	S-43	102	1090.28	1090.59	0.30%	43"X68"	HERCP	
P-44	S-43	S-44	177	1090.59	1091.12	0.30%	43"X68"	HERCP	
P-46	S-47	S-46	82	1091.17	1091.42	0.30%	43"X68"	HERCP	
P-47	S-44	S-47	17	1091.12	1091.17	0.29%	43"X68"	HERCP	
P-48	S-41	S-48	48	1088.58	1088.73	0.31%	54"		
P-49	S-40	S-49	23	1088.17	1088.24	0.30%	54"		
P-51	S-12	S-51	138	1090.50	1091.50	0.72%	18"	RCP	
** P-52	S-51	S-52	115	1091.50	1093.10	1.39%	18"	RCP	
P-53	S-52	S-53	46	1093.10	1095.00	4.13%	14"x23"	HERCP	
P-54	S-53	S-54	38	1095.00	1095.00	0.00%	14"x23"	HERCP	
P-55	S-54	S-55	43	1095.00	1095.22	0.51%	15"	RCP	
P-56	S-55	S-56	30	1095.22	1095.37	0.50%	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 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

SPECIFIC NOTES

- (1) STRUCTURE DEPTH REQUIRES THAT PIPE WALL BE POURED INTO ROOF
- (2) PROVIDE 24" KNOCKOUT TO SOUTH AT INVERT
- (2) PROVIDE 18" KNOCKOUT TO SOUTH AT INVERT
- * (3) CONSTRUCT CONCRETE WEIR WALL AT ELEV = 1089.52 TO RESTRICT FLOW TO P-39

STORM REMOVAL SCHEDULE

ALIGNMENT CODES:

"FT"=FARGO TRAIL
 "SB"=STONEWOOD BLVD (EB)
 "LB"=LITTLE BEAR DR

WOODSTONE REPLAT NO 2
 PROJECT NO. 53B2325

SHEET NO.
 U-11

STORM SEWER REMOVALS

CITY OF MADISON

STORM STRUCTURE REMOVALS

STRUCT NO.	ID #	STATION	LOCATION (OFFSET)	TYPE	NOTES:
RS-1	AS 1753-005	150'SB'+38.00	RT-4.00	EX SAS	REMOVE, SALVAGE CASTING
RS-2	AS 1753-004	152'SB'+98.00	RT-8.50	EX SAS	REMOVE, SALVAGE CASTING
RS-3	AS 1753-003	156'SB'+00.00	RT-4.00	EX SAS	REMOVE, SALVAGE CASTING
RS-4	AS 1753-002	80'FT'+30.13	RT-15.50	EX SAS	REMOVE, SALVAGE CASTING
RS-5	AE 1753-038	78'LB'+40.00	RT-15.50	EX AE	REMOVE
RS-6	AS 1753-037	78'LB'+66.00	RT-12.00	EX SAS	REMOVE

STORM PIPE REMOVALS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	REMOVAL LENGTH	PIPE DIA	NOTES
RP-1	RS-5	RS-6	16	34"X53"	REMOVE
RP-2	RS-6	S-39	177	34"X53"	REMOVE

STANDARD NOTES:

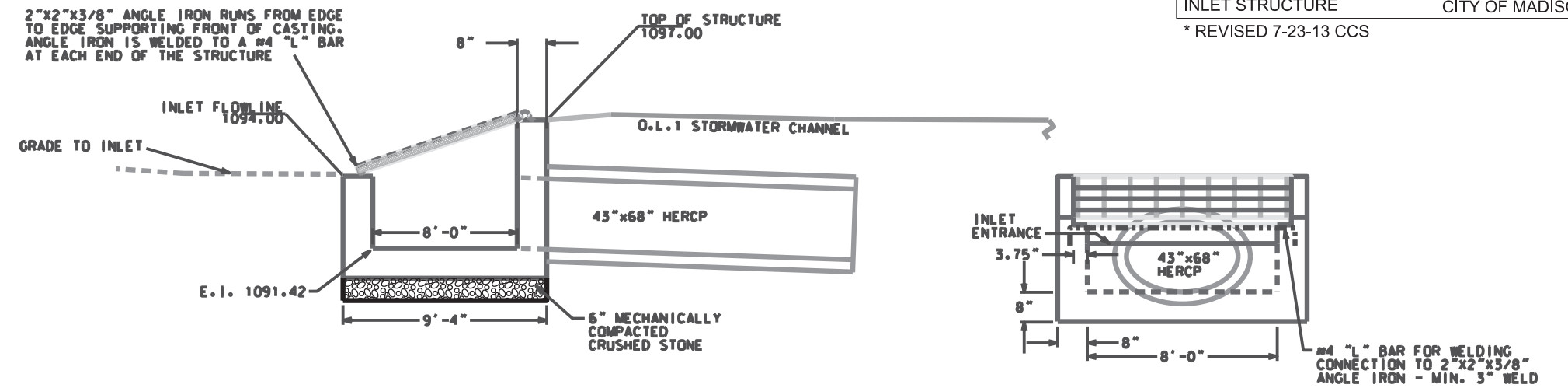
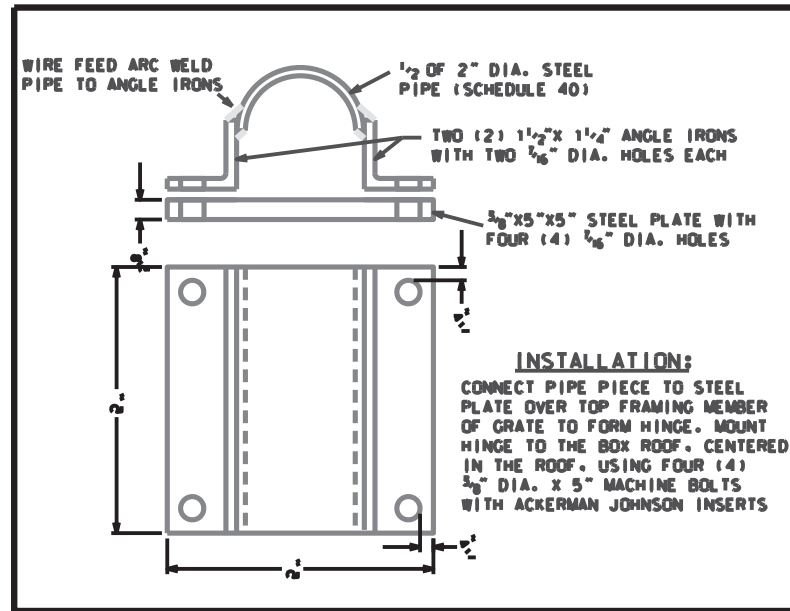
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
- APPROXIMATE 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.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

PLOT SCALE: _____

PLOT NAME: _____

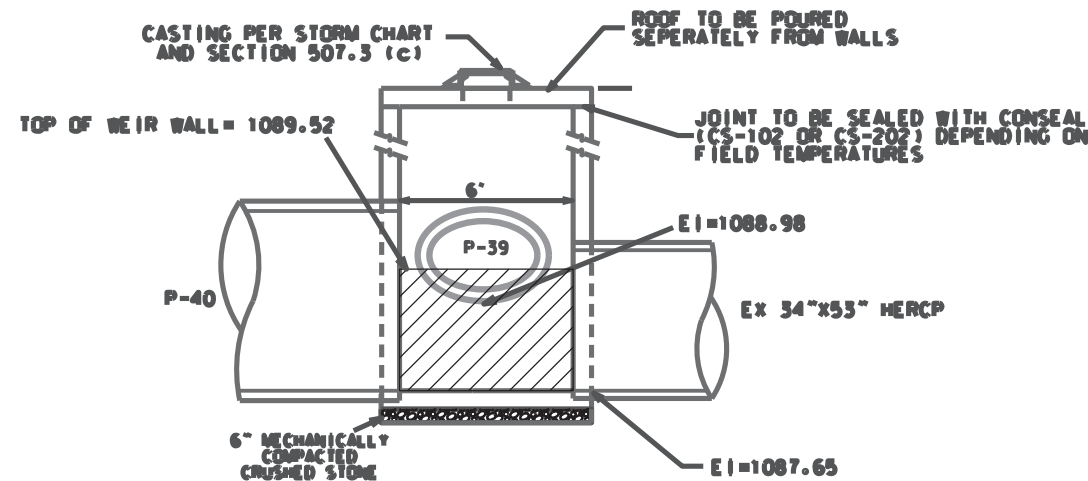
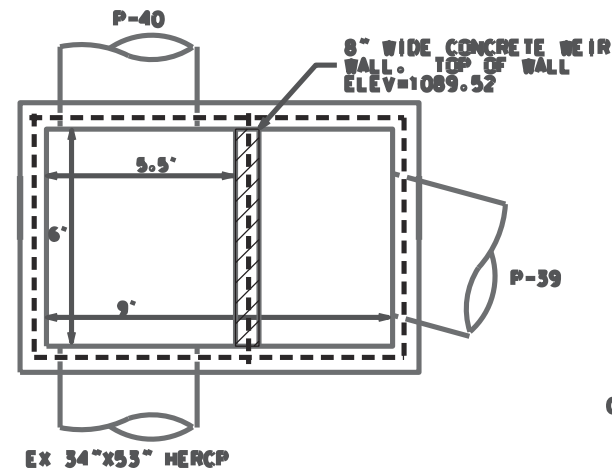
REV. DATE: _____

ORIGINATOR: CITY OF MADISON STREETS DIVISION

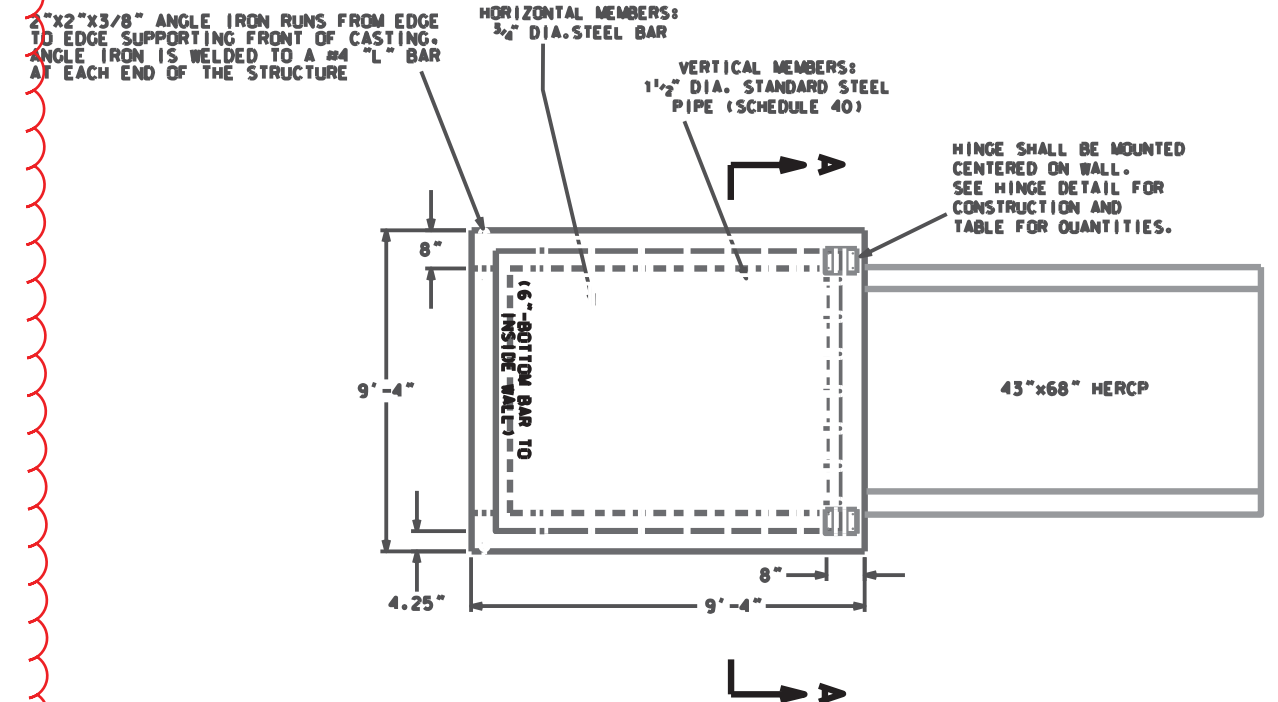


SECTION A-A

STRUCTURE SHALL BE CONSTRUCTED IN ACCORD WITH S.D.D. 5.7.3. WEIR WALL SHALL HAVE EQUAL STEEL REINFORCEMENT TO STRUCTURE WALLS.



NOT TO SCALE
STRUCTURE DETAIL S-39



STRUCTURE DETAIL S-46
NOT TO SCALE

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

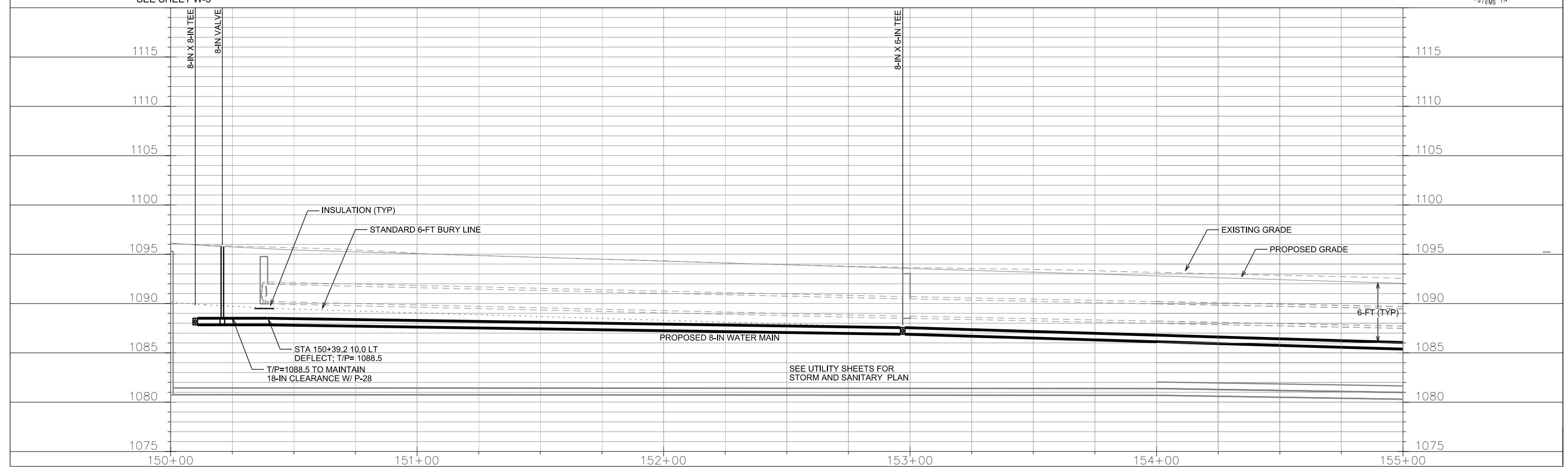
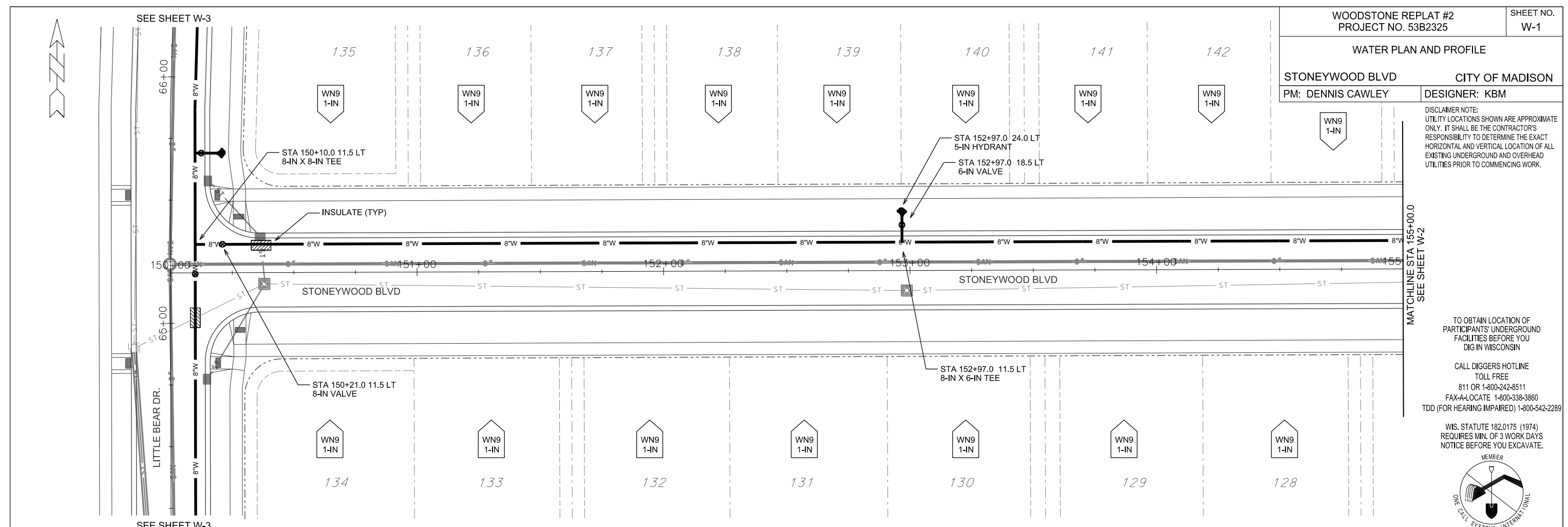
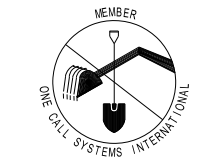
WATER PLAN AND PROFILE

STONEYWOOD BLVD 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
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

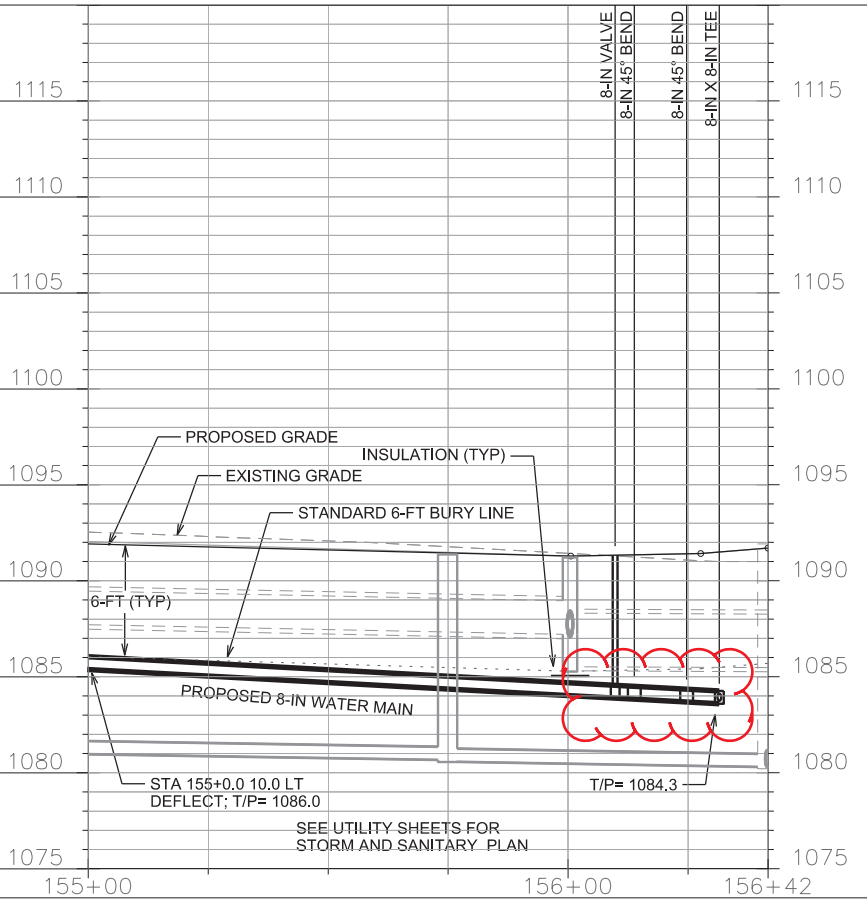
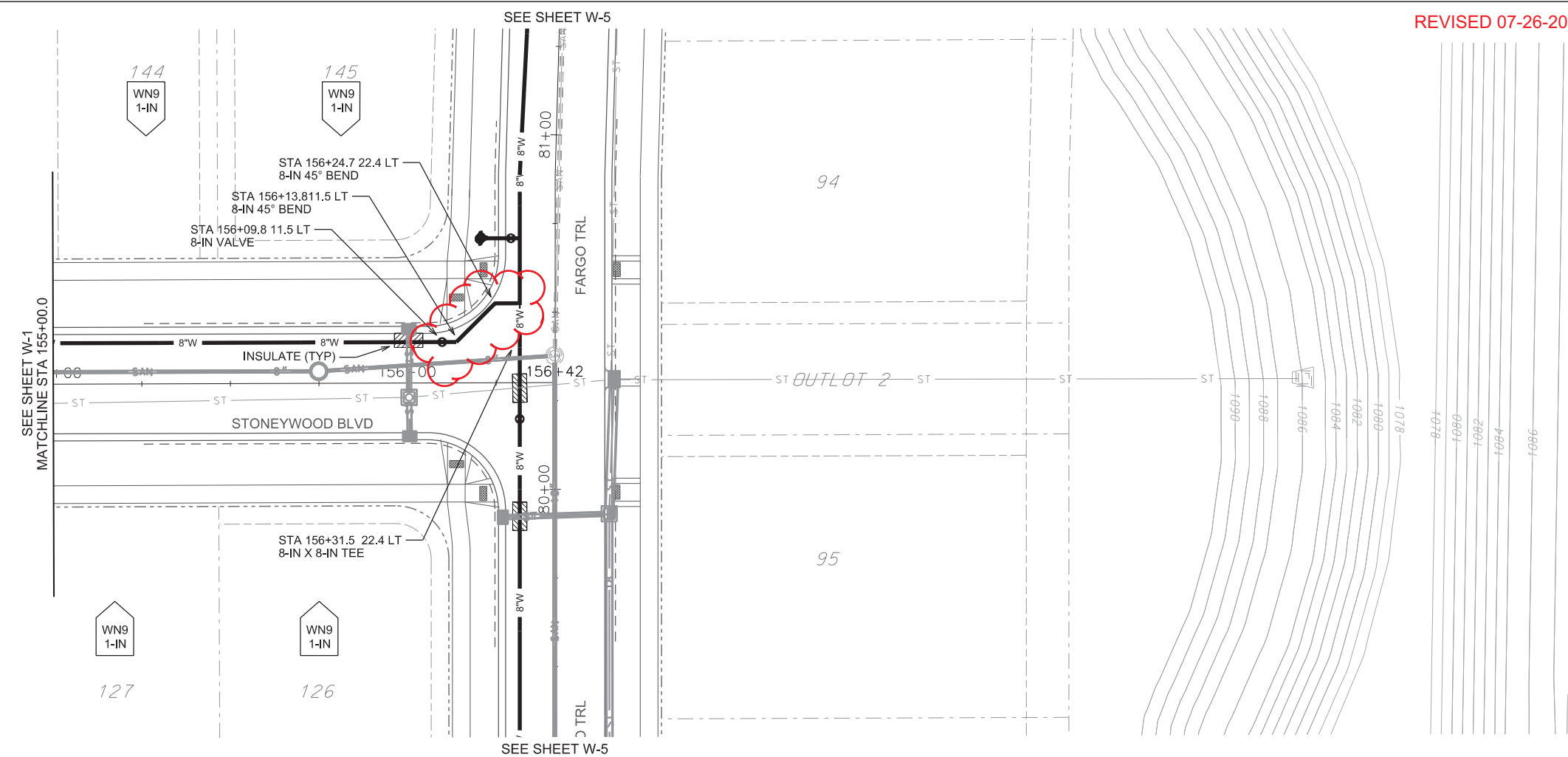
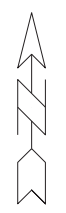
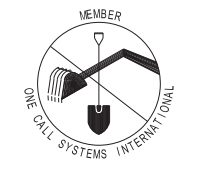
REVISED 07-26-2013 KBM

WATER PLAN AND PROFILE
STONEWOOD BLVD CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: KBM

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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: _____

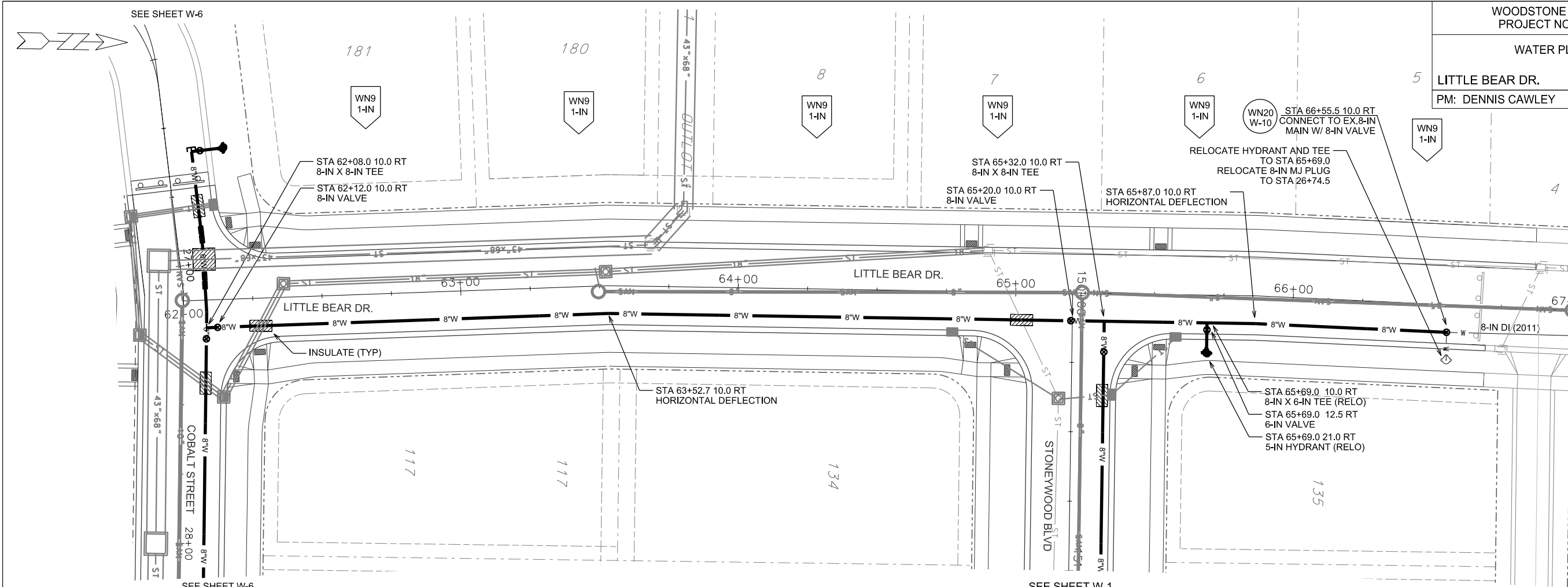
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

LITTLE BEAR DR. CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: KBM

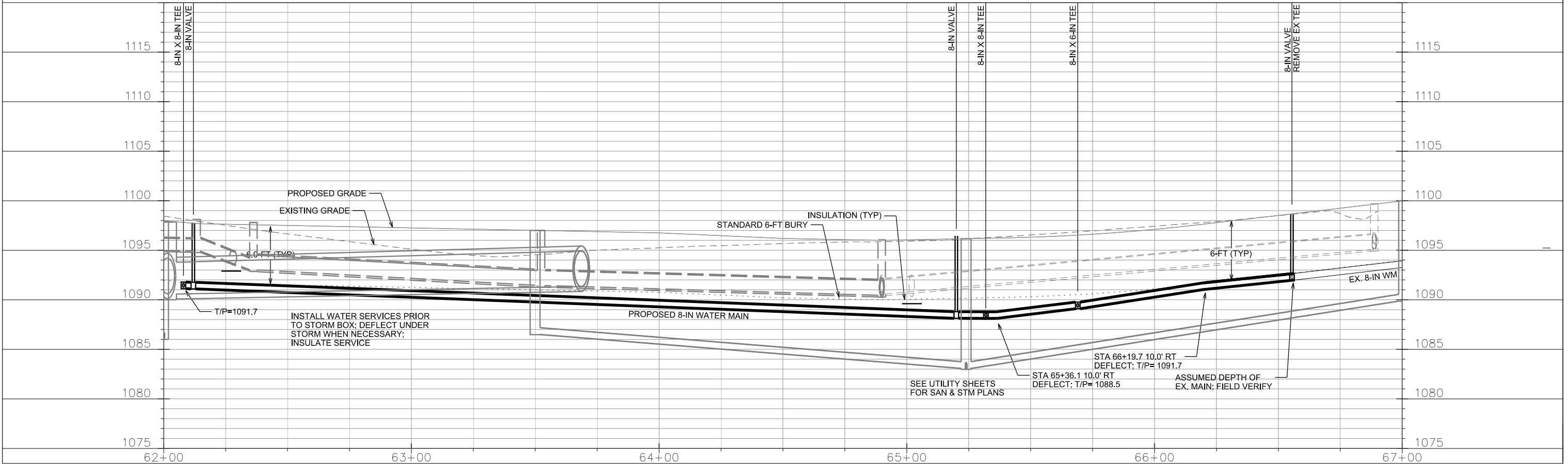
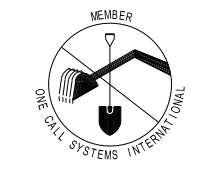


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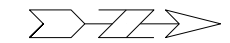
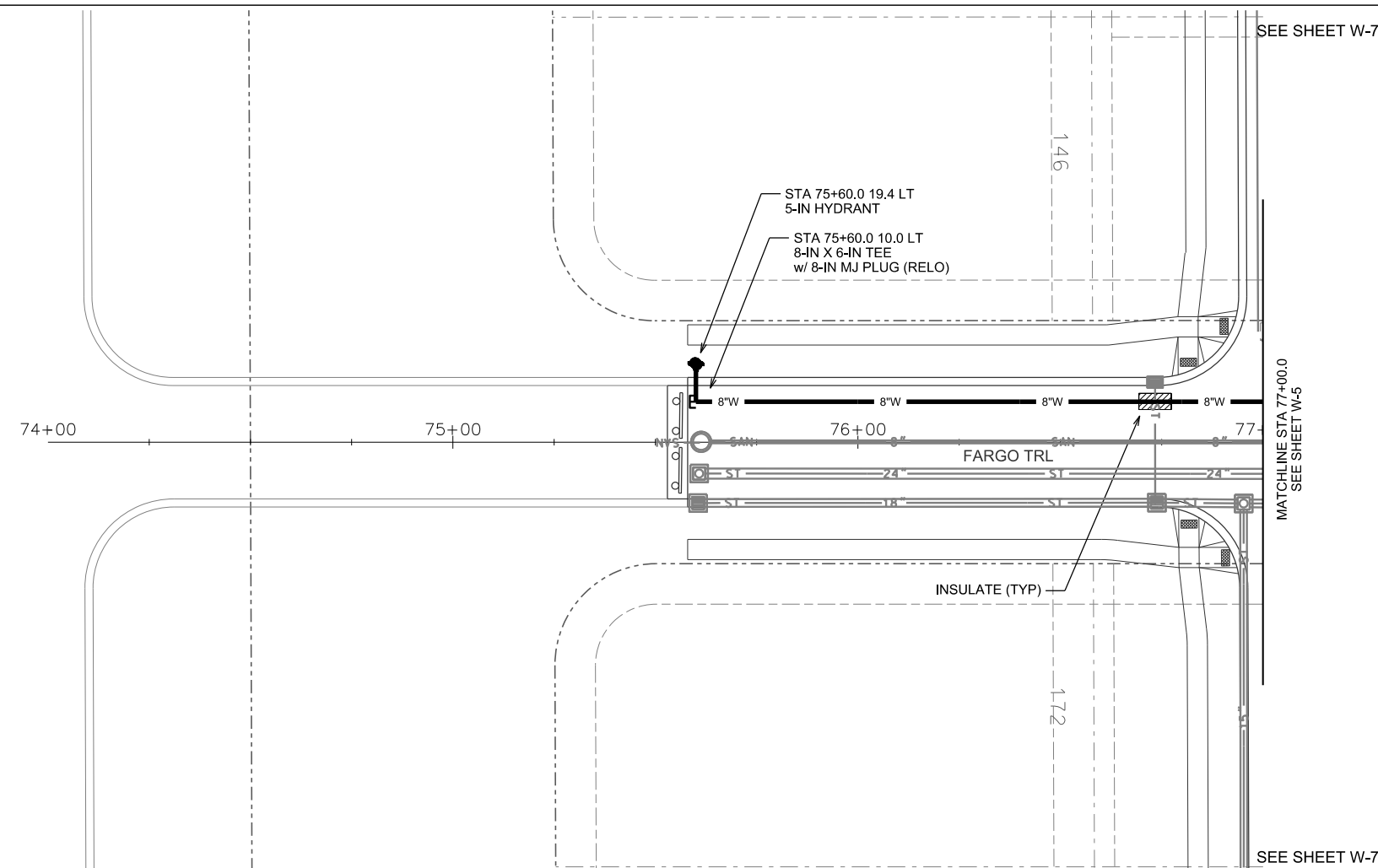


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PLOT NAME:

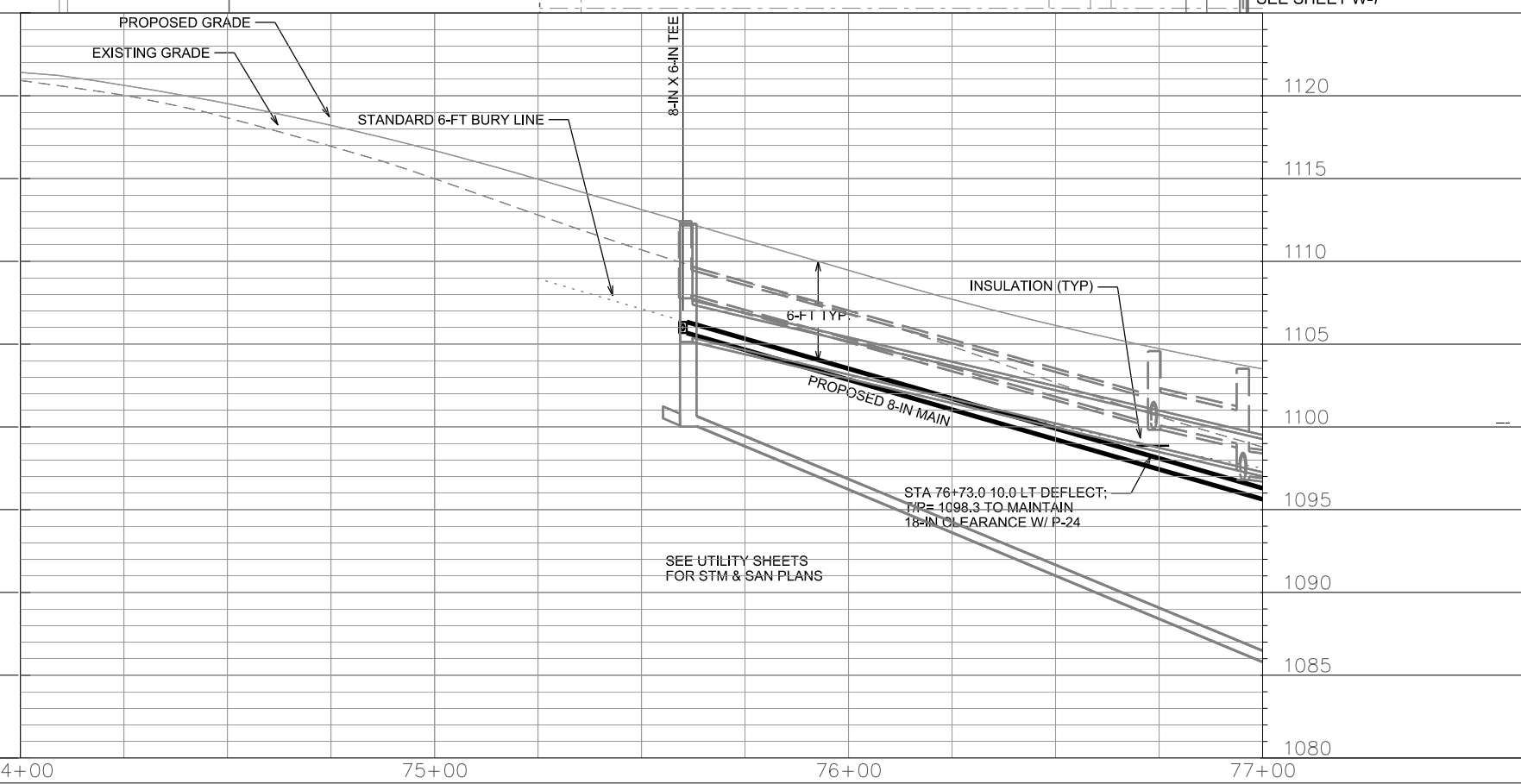
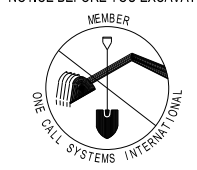
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SEE SHEET W-7

SEE SHEET W-2

REVISED 07-26-2013 KBM

WOODSTONE REPLAT #2
PROJECT NO. 53B2325

SHEET NO.
W-5

WATER PLAN AND PROFILE

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



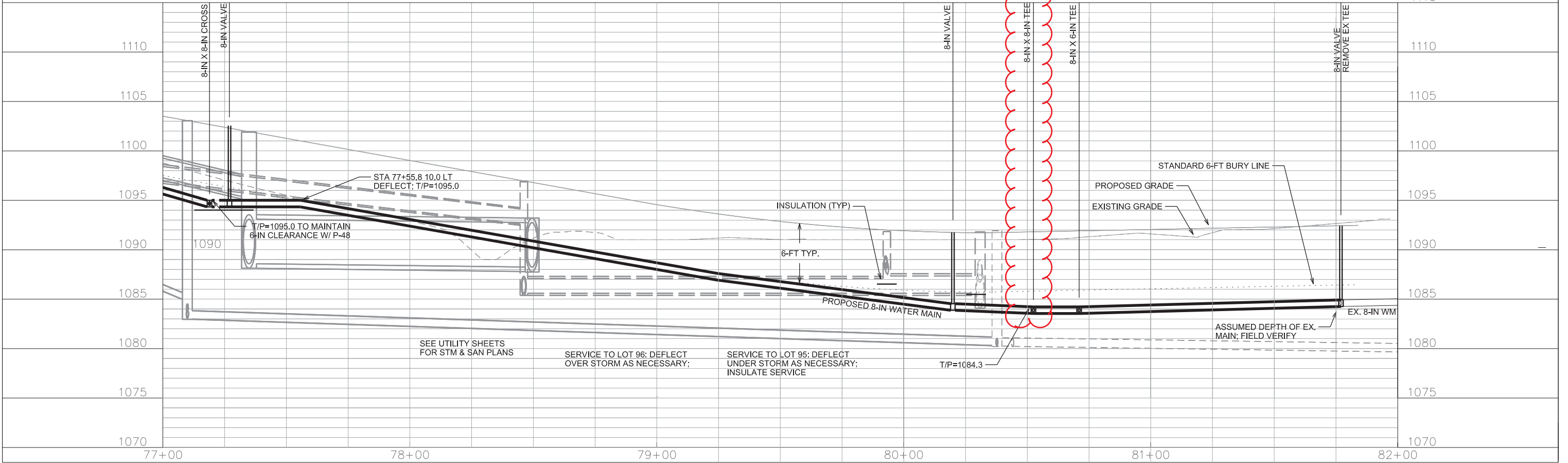
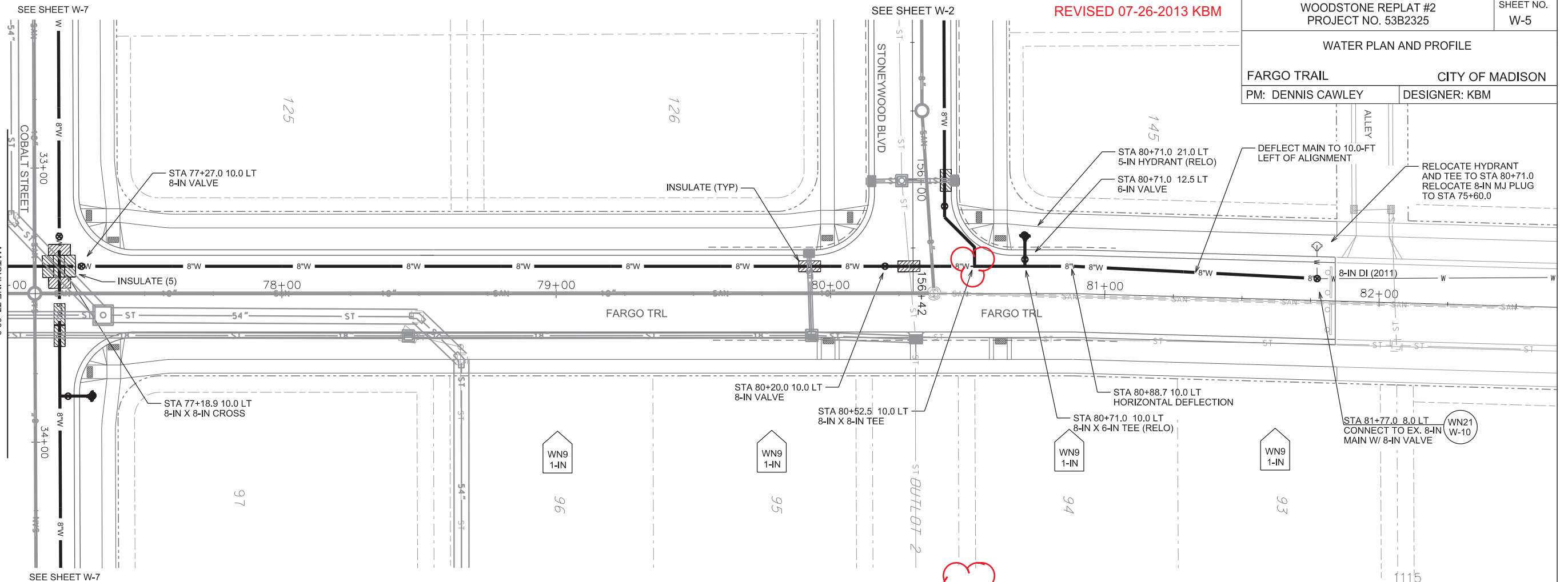
PLOT SCALE:

PLOT NAME:

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

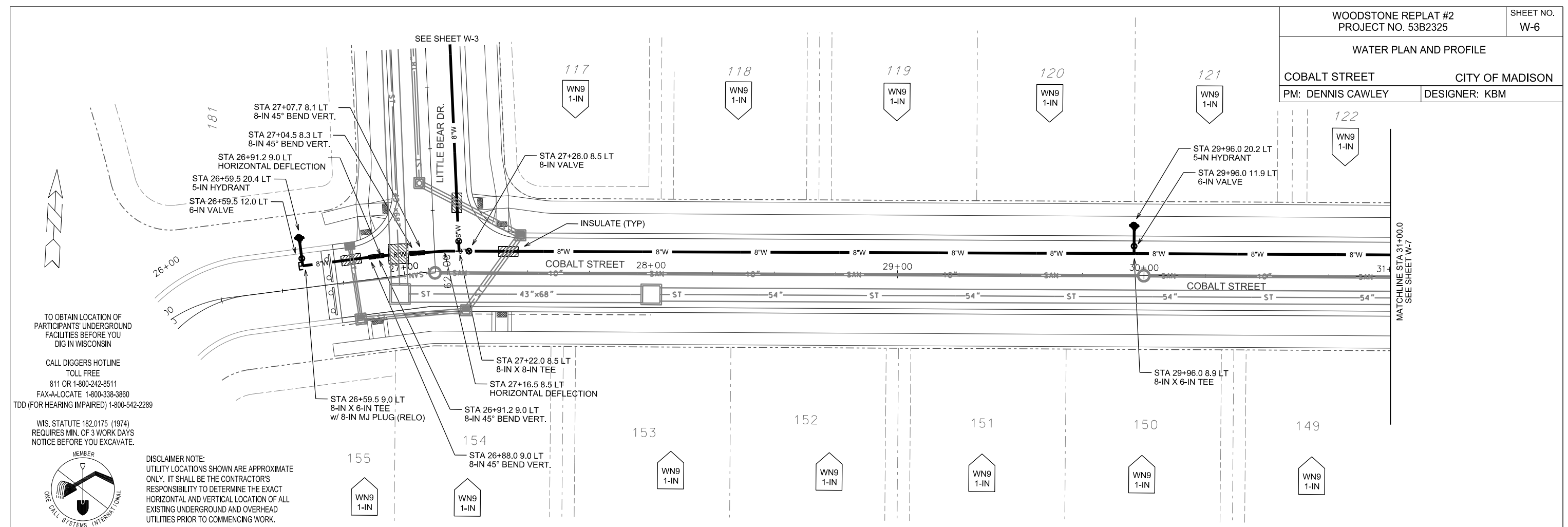
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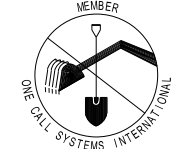


WATER PLAN AND PROFILE

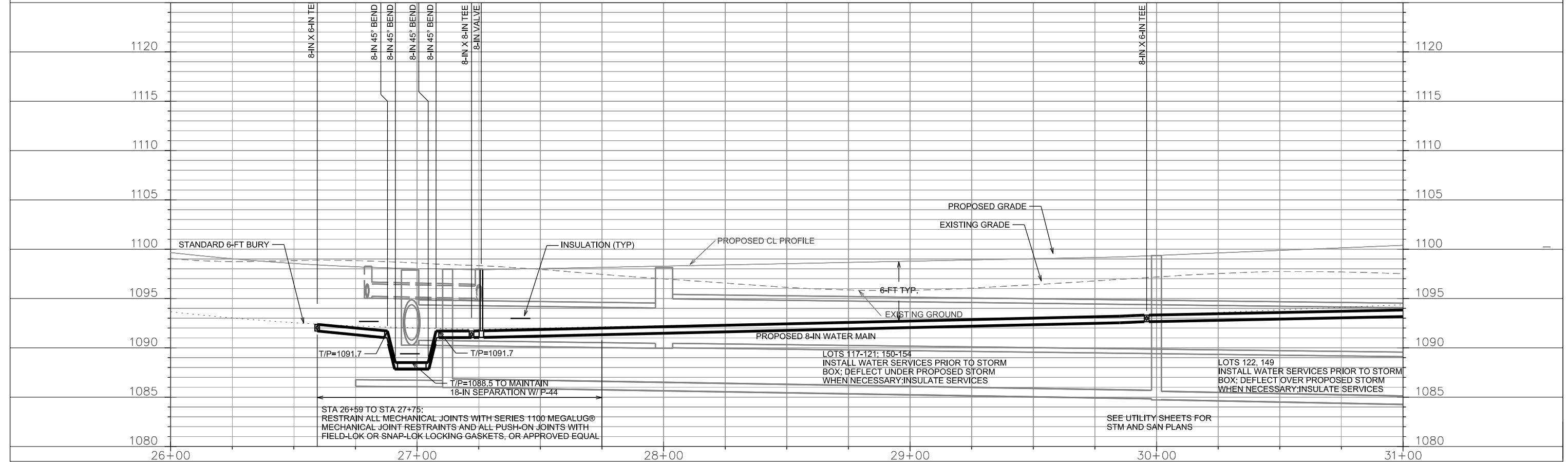
COBALT STREET CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: KBM



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WOODSTONE REPLAT #3
 PROJECT NO. 53B2325

SHEET NO.
 W-7

WATER PLAN AND PROFILE

COBALT STREET CITY OF MADISON
 PM: DENNIS CAWLEY DESIGNER: KBM

PLOT SCALE: _____

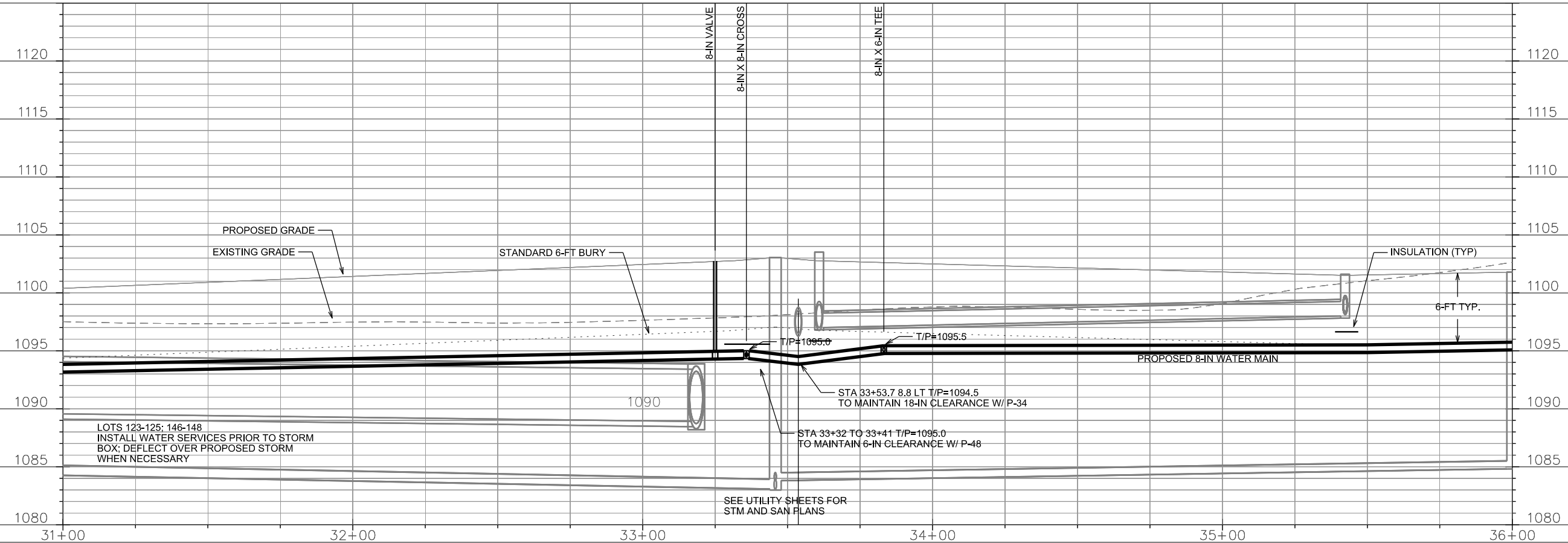
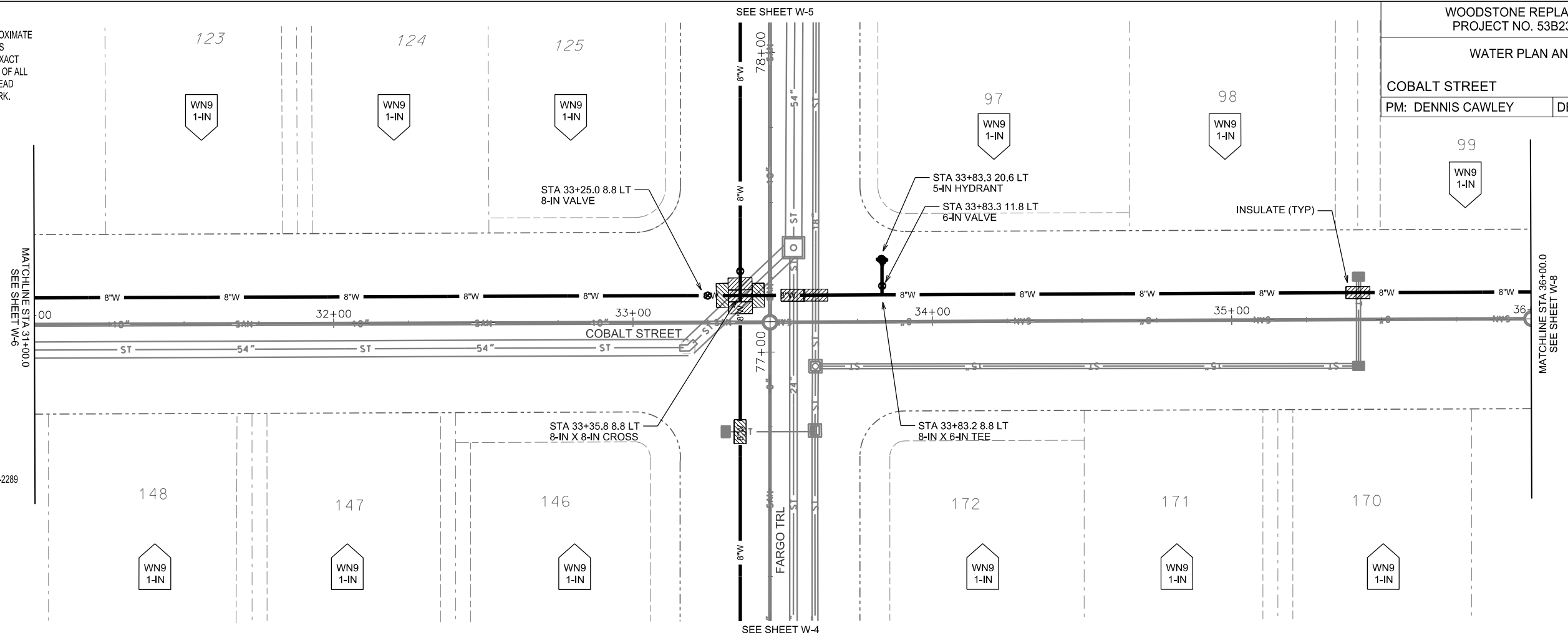
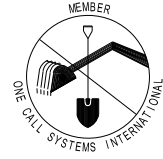
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

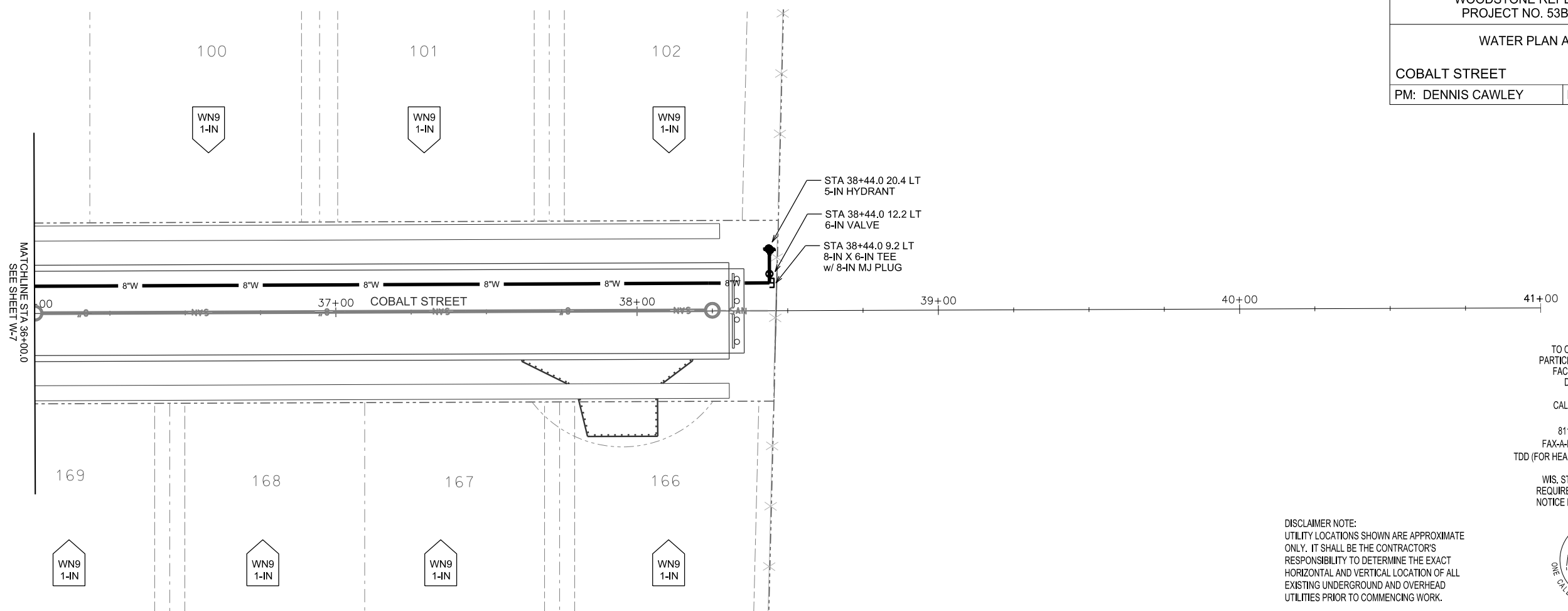
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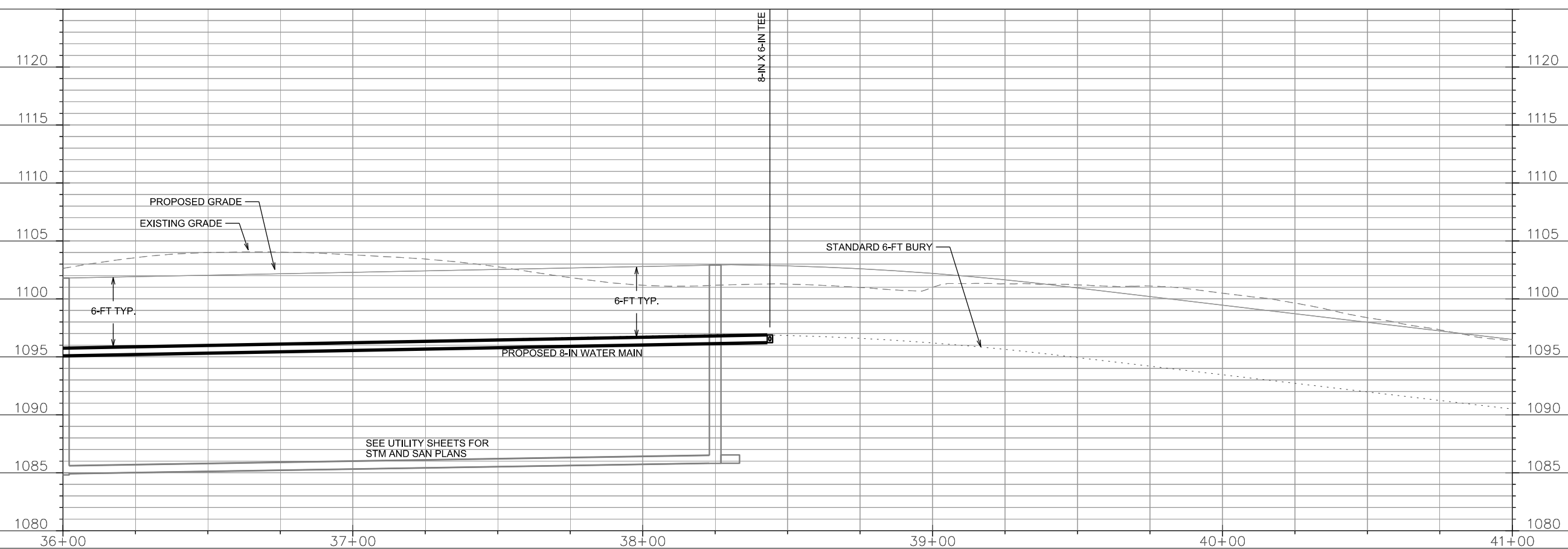
WATER PLAN AND PROFILE

COBALT STREET CITY OF MADISON
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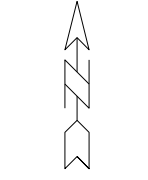
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER IMPACT PLAN

WOODSTONE REPLAT #2 CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: KBM



SCALE: 1" = 80'



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

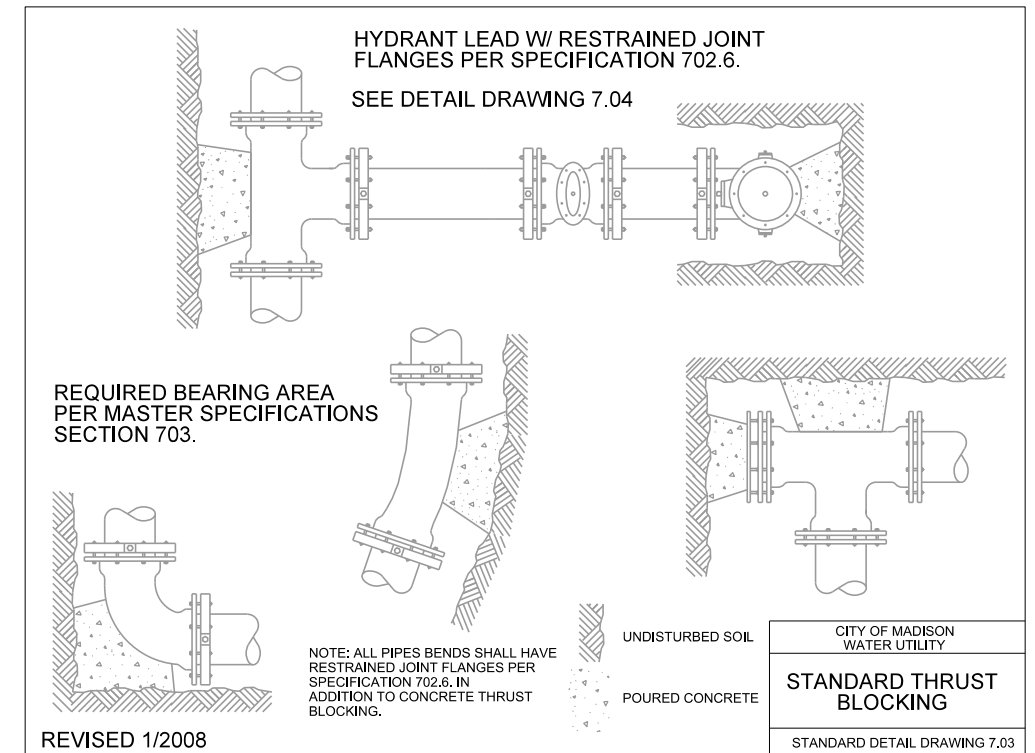
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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.

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ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

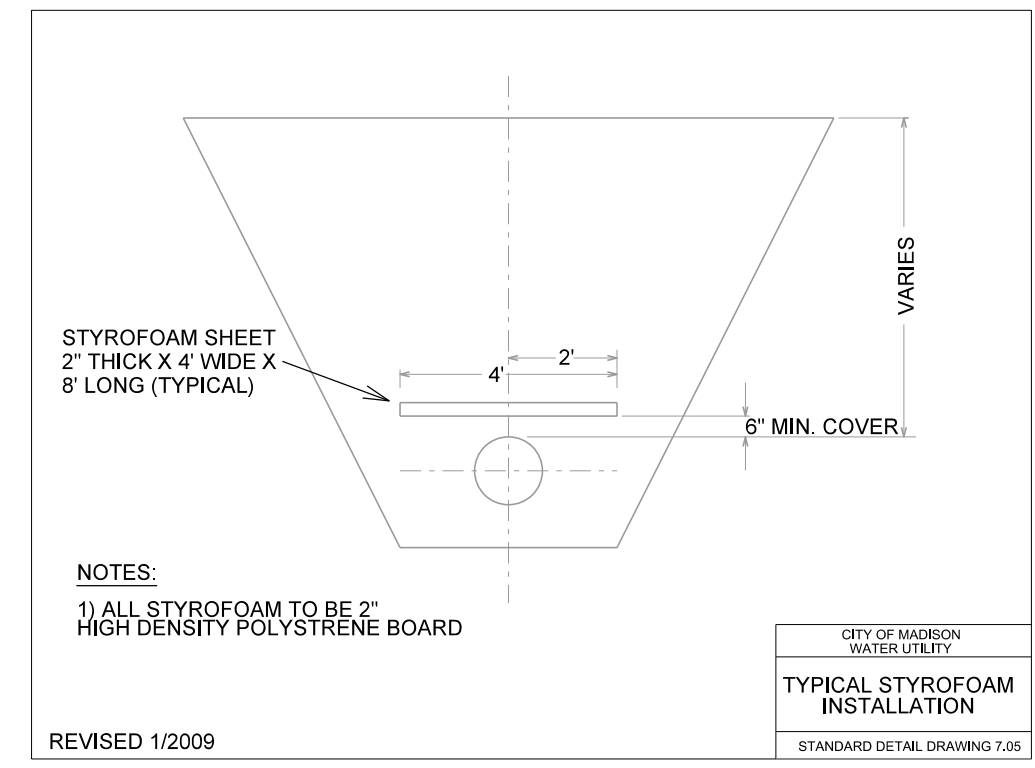
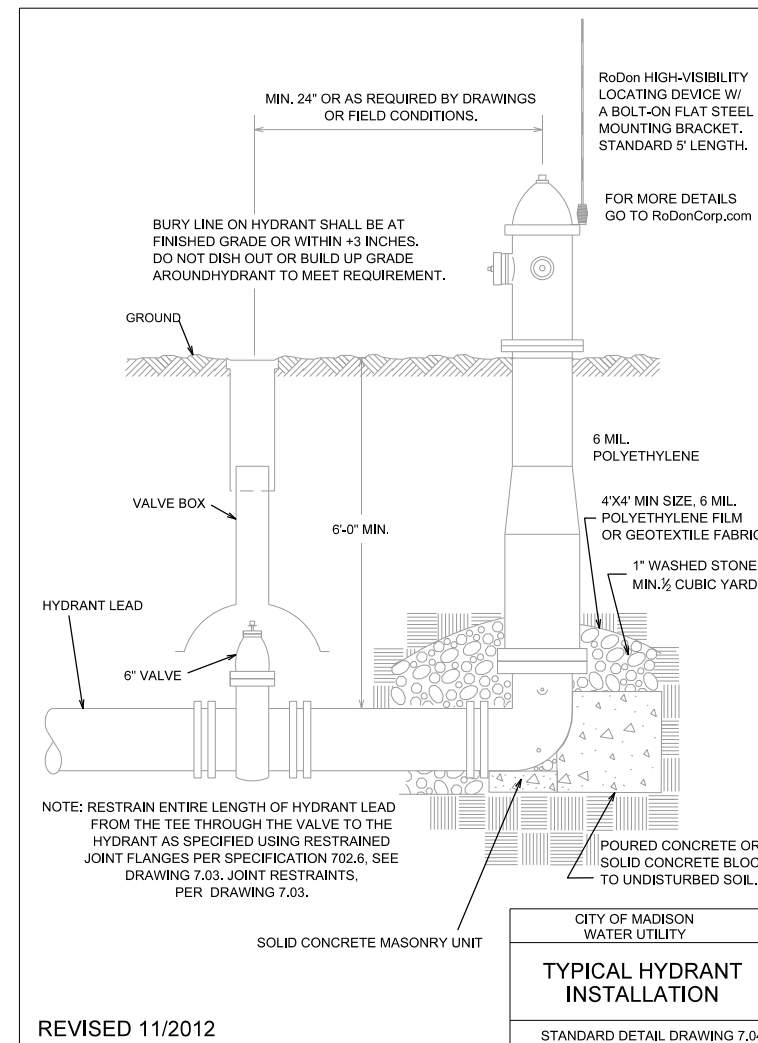
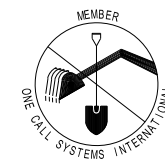
- 100-FT - 6-IN PIPE
- 2900-FT - 8-IN PIPE
- 3450-FT - POLYWRAP
- 7 - 6-IN VALVE & BOX
- 10 - 8-IN VALVE & BOX
- 8 - 8-IN X 6-IN TEE
- 4 - 8-IN X 8-IN TEE
- 1 - 8-IN X 8-IN CROSS
- 4 - 8-IN 45° BEND
- 3 - 8-IN MJ PLUG
- 6 - 5-IN HYDRANT
- 152-FT - 2-IN STYROFOAM INSULATION
- 8-IN LOCKING GASKETS (AS R'QD; SEE W-6)
- 1" COPPER TUBING (AS R'QD)

REUSED MATERIALS:

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

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