CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS

Madison, Wisconsin

PLAN OF PROPOSED IMPROVEMENT

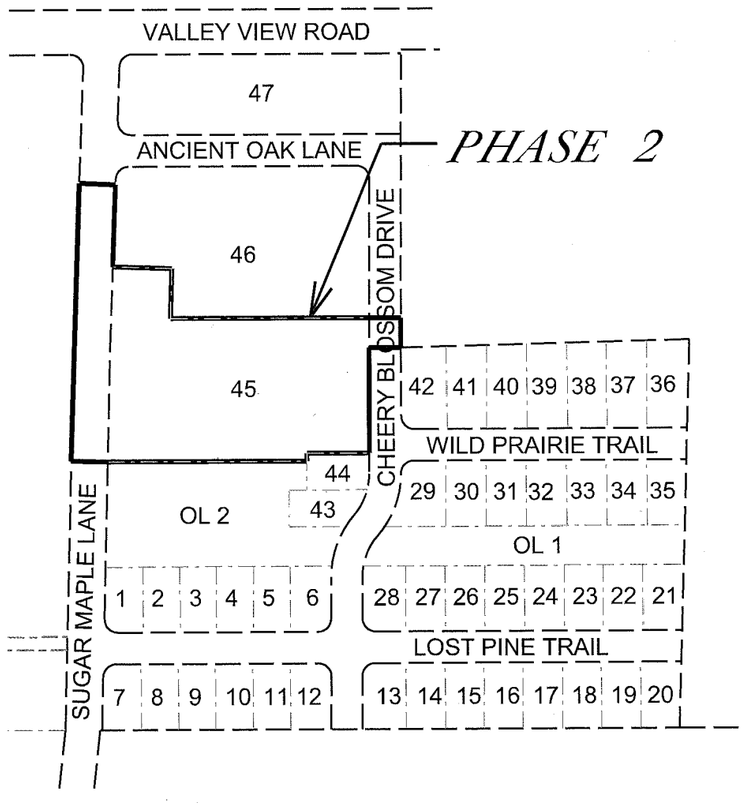
SUGAR MAPLE PHASE 2

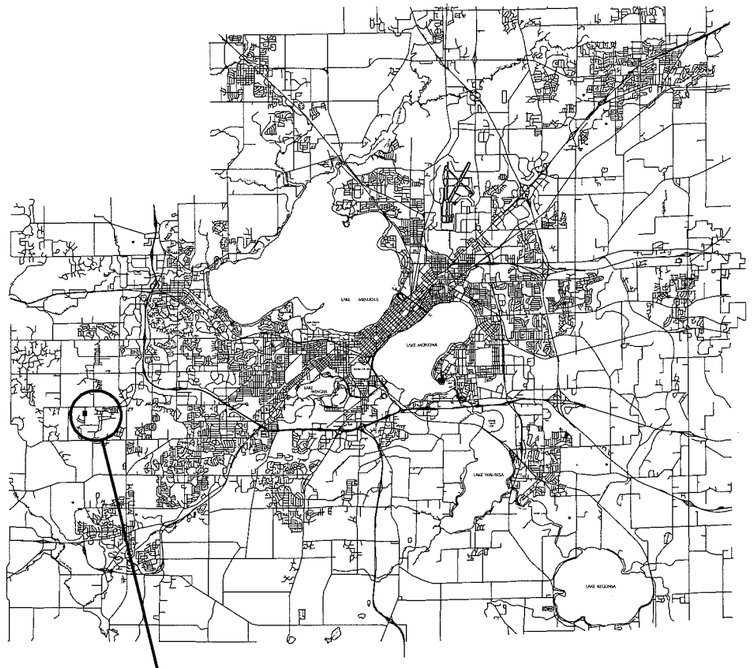
CITY PROJECT NO. 53B2380

CITY CONTRACT NO. 2380

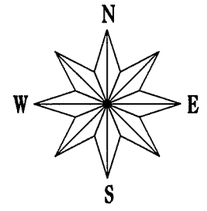
INDEX OF SHEETS

<M1-N8 < PAVEMENT MARKING PLAN
Rev. John Sapp 8-18-14





PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 18, 2014

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer — Date 7/28/14

STREET DESIGNED BY:

WISCONSIN JAMES M WOLFE E-42725 MADISON, WI PROFESSIONAL ENGINEER 7-21-14

SANITARY SEWER DESIGNED BY:

WISCONSIN MARK D. MODER E-33979 MADISON WI PROFESSIONAL ENGINEER 7/25/14

WATER DESIGNED BY:

WISCONSIN PETER E. HOEMGREN E-42156 MADISON WI PROFESSIONAL ENGINEER 6/27/14

STORM SEWER DESIGNED BY:

WISCONSIN GREGORY T. [illegible] E-30056 MADISON WI PROFESSIONAL ENGINEER 7/25/14

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2317EN-TitleSht.dgn

DATE: 6/27/2014

SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. D-1
PLAN STANDARD NOTES AND COMMENTS	CITY OF MADISON

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6–2, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

THE DEVELOPER/CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL TO CITY OF MADISON TRAFFIC ENGINEERING DIVISION A MINIMUM OF 10 WORKING DAYS PRIOR TO THE ANTICIPATED START OF WORK ON SUGAR MAPLE LANE. WORK MAY NOT PROCEED ON SUGAR MAPLE LANE UNTIL THERE IS AN APPROVED TRAFFIC CONTROL PLAN OBTAINED FROM CITY TRAFFIC ENGINEERING.

ALL PAVEMENT WITHIN THE SUGAR MAPLE LANE RIGHT–OF–WAY SHALL BE TYPE C PAVEMENT. ALL PAVEMENT WITHIN THE LOST PINE TRAIL, CHERRY BLOSSOM DRIVE AND WILD PRAIRIE TRAIL RIGHTS–OF–WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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.

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 1.5%. 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. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. 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: ____

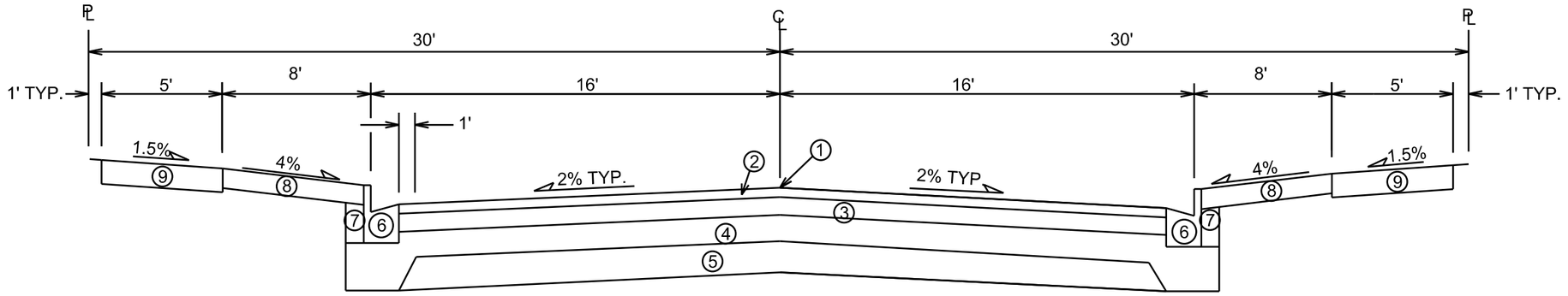
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2317\Streets\DesIgn\53B2380EN_D1_Notes.dgn

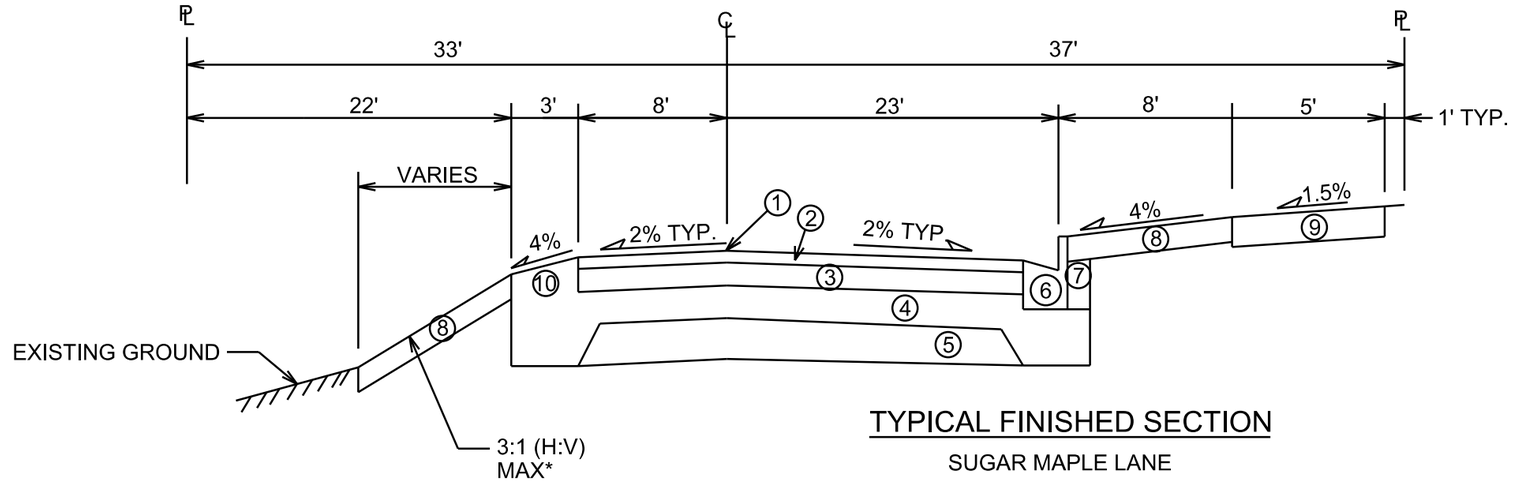
DATE: 7/21/2014

SUGAR MAPLE: PHASE 2 PROJECT NO. 53B2380	SHEET NO. D-2
DETAIL	
TYPICAL SECTIONS	CITY OF MADISON



TYPICAL FINISHED SECTION

CHERRY BLOSSOM DRIVE



TYPICAL FINISHED SECTION

SUGAR MAPLE LANE

① POINT REFERRED TO ON PROFILE
② BITUMINOUS UPPER LAYER
③ BITUMINOUS LOWER LAYER
④ 4" GRADATION 2 CRUSHED STONE
⑤ 6" GRADATION 1 CRUSHED STONE
⑥ TYPE 'A' CONCRETE CURB & GUTTER
⑦ FILL, INCIDENTAL
⑧ 4" TOPSOIL, SEED & MAT
⑨ 5" CONCRETE SIDEWALK
⑩ GRAVEL SHOULDER, TOP W/ GRAD. 3 CRUSHED AGG.

CITY OF MADISON MINIMUM PAVEMENT DESIGN. SEE SHEET D-1 FOR PAVEMENT REQUIREMENTS ON EACH STREET

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	4"	E-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 "

* SEE CROSS SECTION SHEETS FOR SLOPES AND TOP OF CURB, EDGE OF PAVEMENT & DITCH ELEVATIONS.

TYPICAL SECTIONS NOT TO SCALE

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

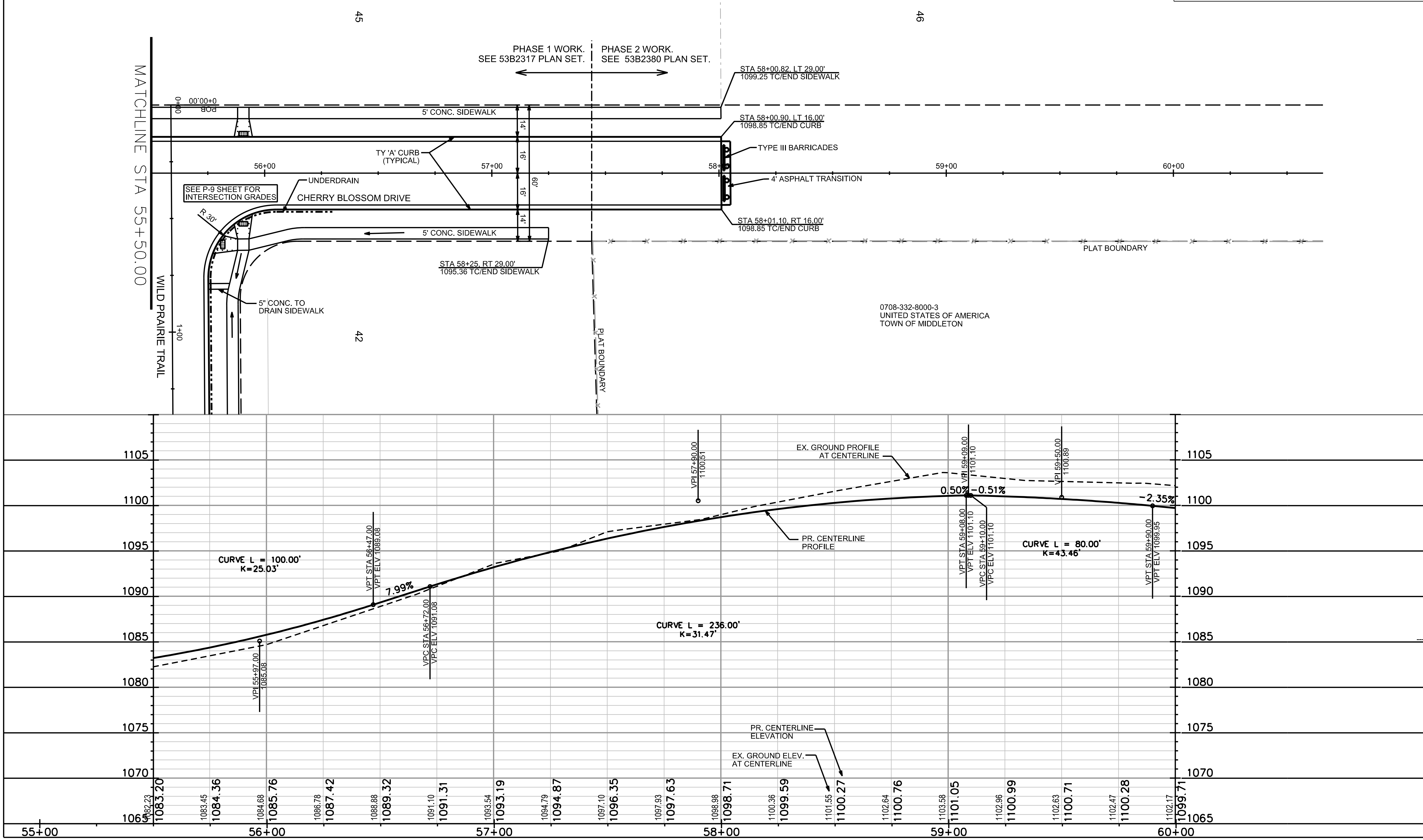
FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2380EN_D-2.dgn DATE: 7/2/2014

SUGAR MAPLE PHASE 2
PROJECT NO. 53B2380

SHEET NO. P-1

PLAN AND PROFILE

CHERRY BLOSSOM DRIVE — CITY OF MADISON



PLOT SCALE: ____

PLOT NAME: ____

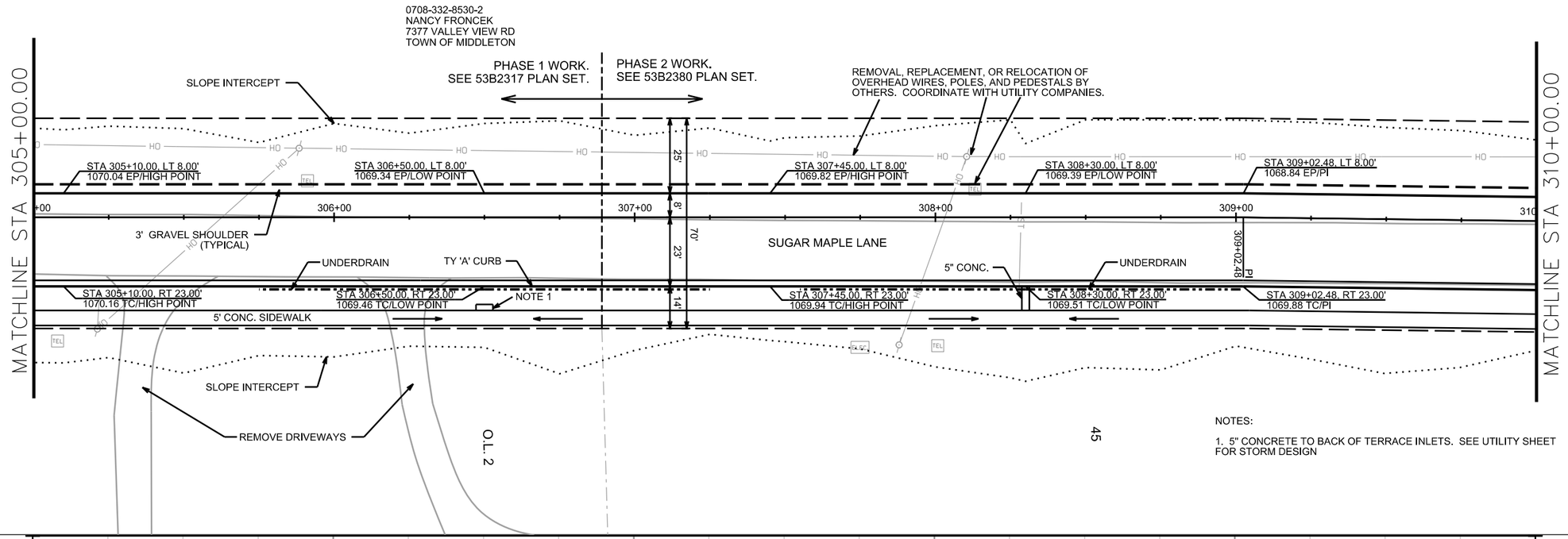
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2380EN-PnP-CBD-2.dgn

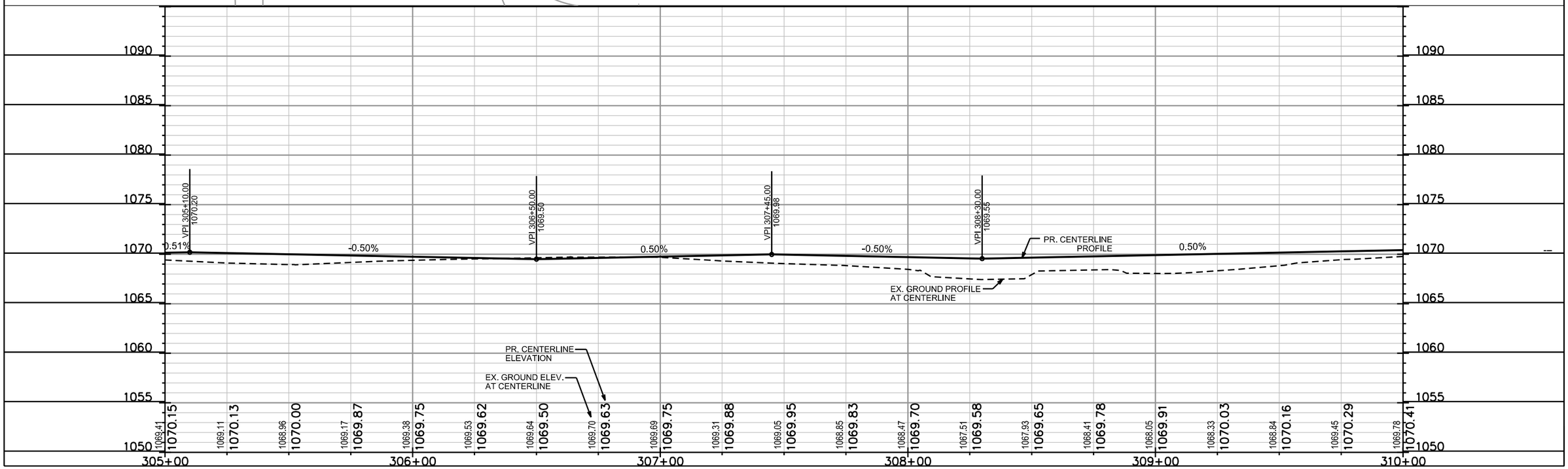
DATE: 7/29/2014

SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. P-2
PLAN AND PROFILE	
SUGAR MAPLE LANE	CITY OF MADISON



NOTES:

1. 5" CONCRETE TO BACK OF TERRACE INLETS. SEE UTILITY SHEET FOR STORM DESIGN



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

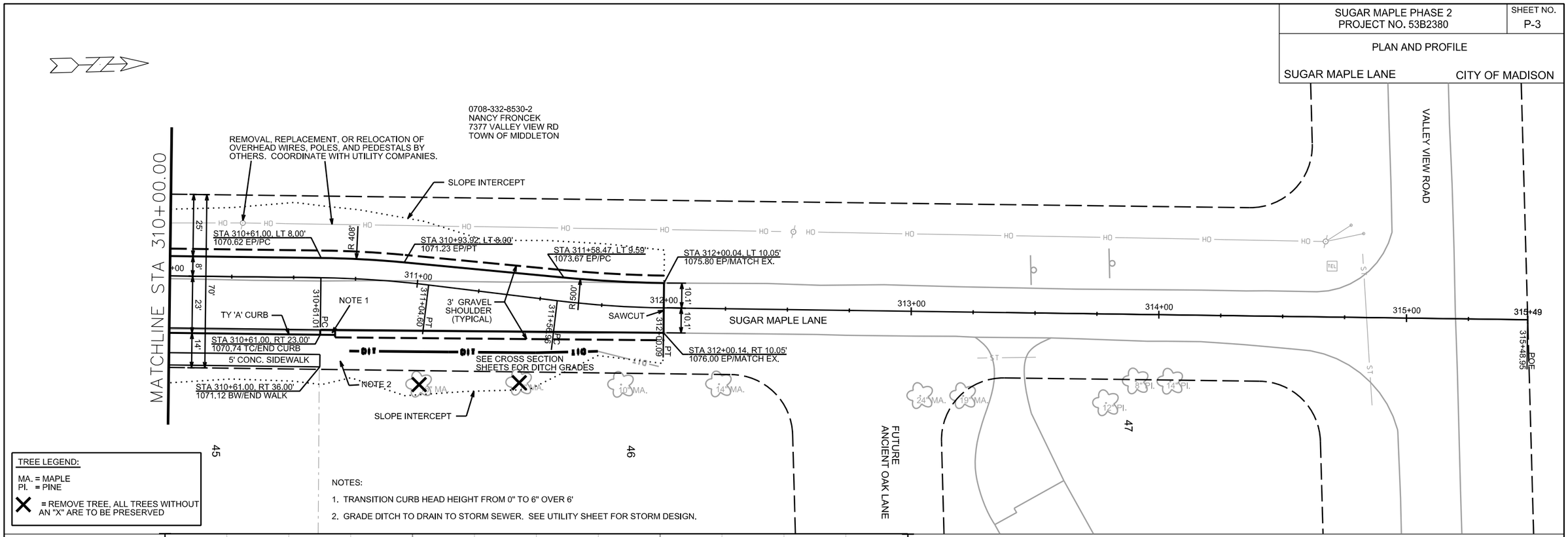
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: \\Glsserver\data\DESIGN\Projects\53B2317\Streets\Design\53B2380EN-PnP-SML-2.dgn

DATE: 7/24/2014

SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. P-3
PLAN AND PROFILE	
SUGAR MAPLE LANE — CITY OF MADISON	

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

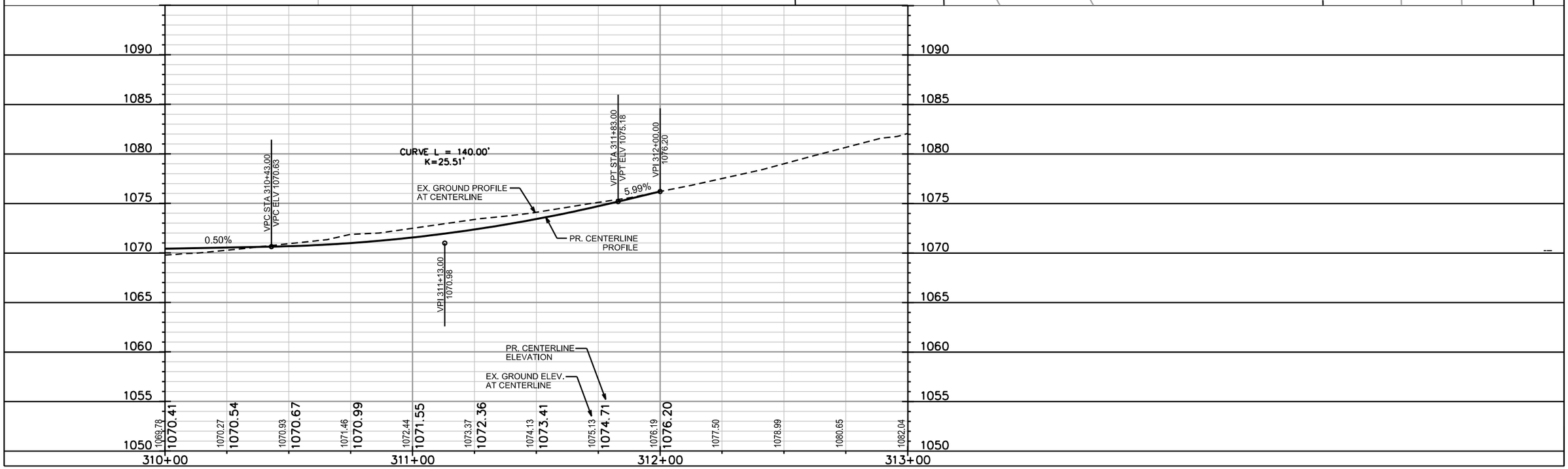


TREE LEGEND:

MA. = MAPLE
PI. = PINE
X = REMOVE TREE. ALL TREES WITHOUT AN "X" ARE TO BE PRESERVED

NOTES:

1. TRANSITION CURB HEAD HEIGHT FROM 0" TO 6" OVER 6'
2. GRADE DITCH TO DRAIN TO STORM SEWER. SEE UTILITY SHEET FOR STORM DESIGN.



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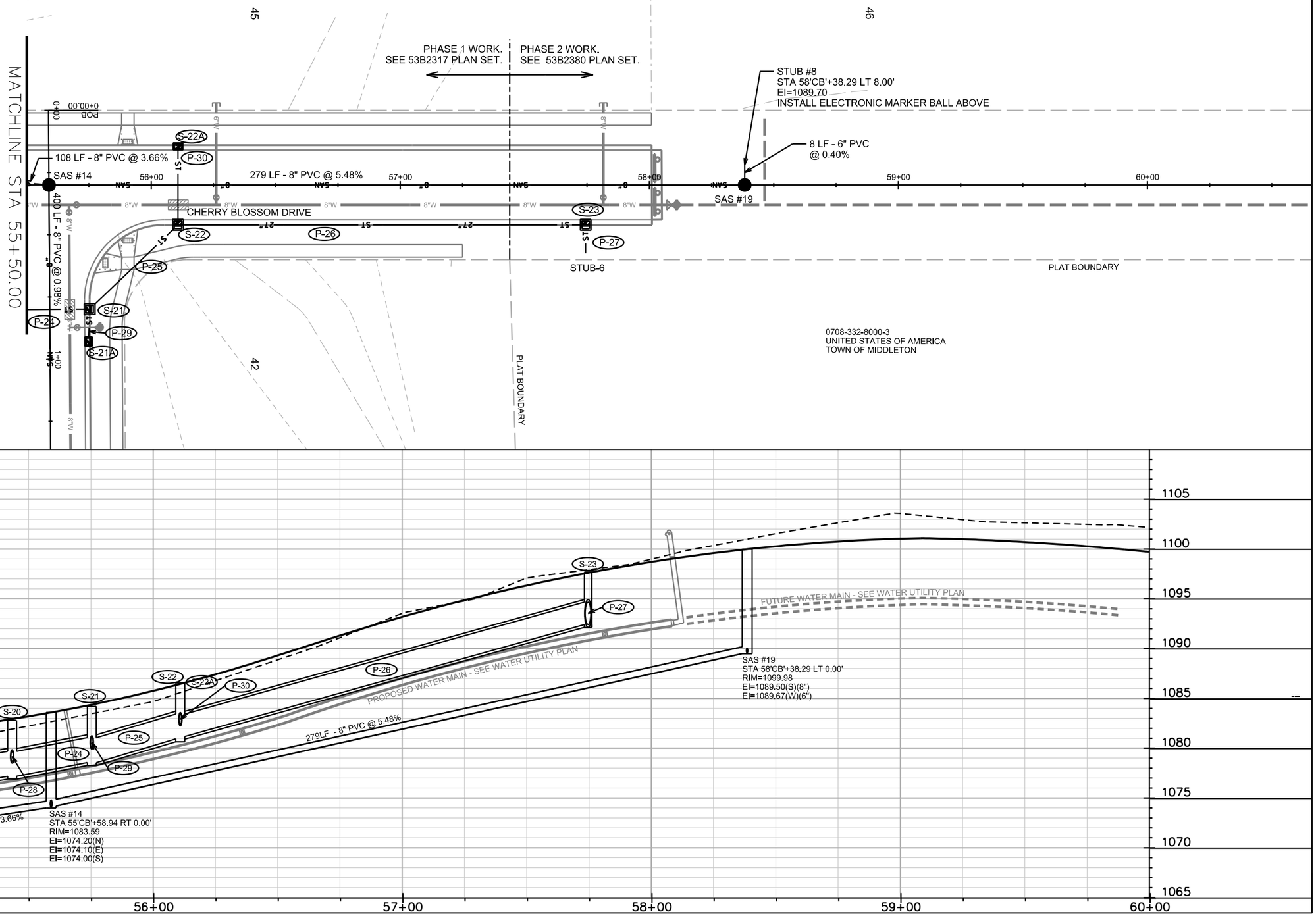
DATE: 7/24/2014

SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. U-1
UTILITIES PLAN AND PROFILE	
CHERRY BLOSSOM DRIVE	CITY OF MADISON



PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2317\Sanitary\Design\53B2380UTL-PnP-CBD-2.dgn

DATE: 7/25/2014

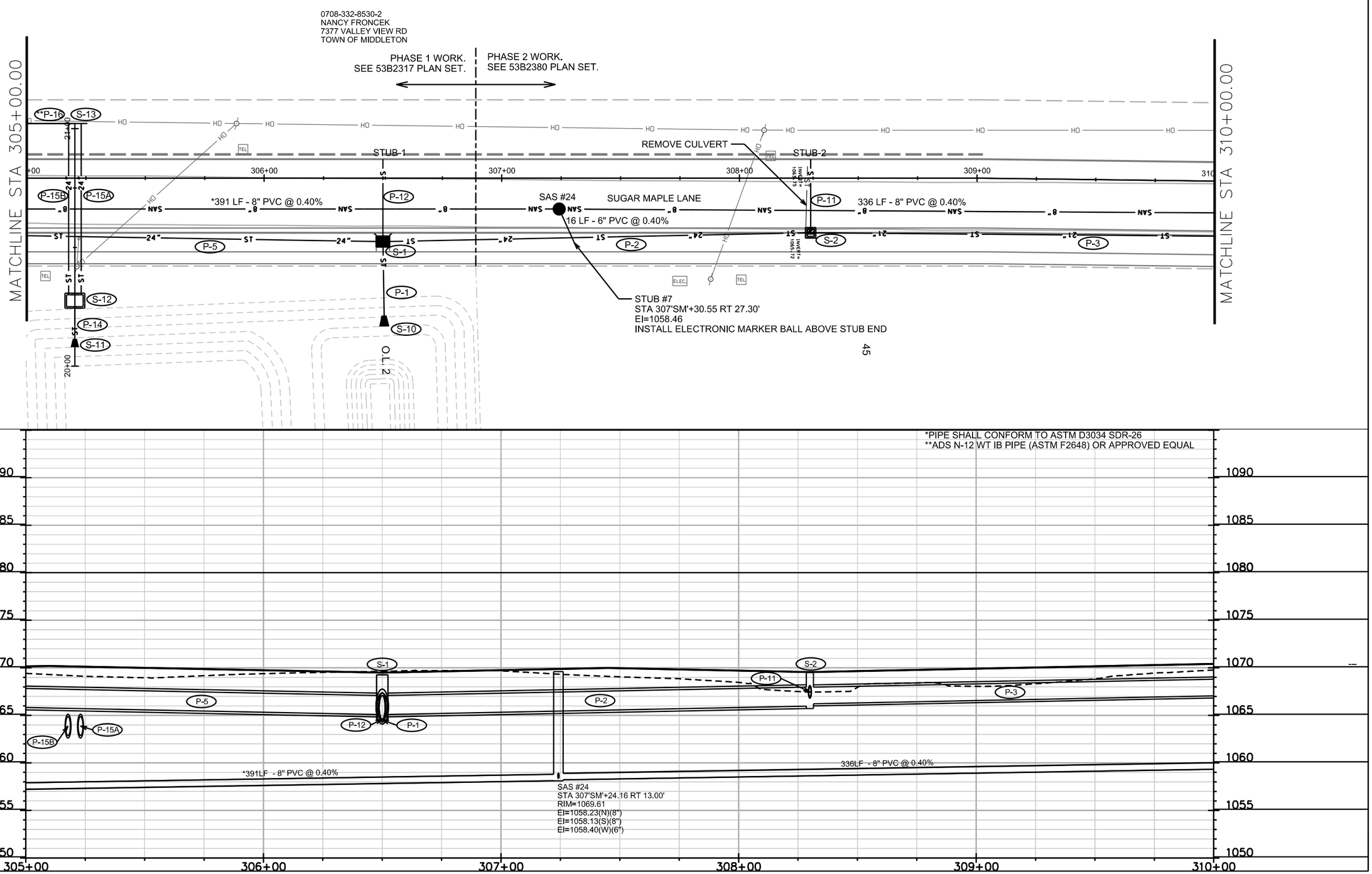
SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. U-2
UTILITIES PLAN AND PROFILE	
SUGAR MAPLE LANE	CITY OF MADISON

PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY OF MADISON STREETS DIVISION



FILE NAME: M:\DESIGN\Projects\53B2317\Sanitary\Design\53B2380UTL-PnP-SML-2.dgn

DATE: 7/25/2014

SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. U-3
UTILITIES PLAN AND PROFILE	
SUGAR MAPLE LANE	CITY OF MADISON

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

0708-332-8530-2
NANCY FRONCEK
7377 VALLEY VIEW RD
TOWN OF MIDDLETON

STUB #9
STA 310'SM'+60.82 LT 33.00'
EI=1060.06
INSTALL ELECTRONIC MARKER BALL ABOVE STUB END

MATCHLINE STA 310+00.00

33 LF - 8" PVC @ 0.40%

SAS #7

13 LF - 8" PVC @ 0.40%

STUB #11

336 LF - 8" PVC @ 0.40%

SAS #6

S-3 P-4 P-3 S-4

SUGAR MAPLE LANE

311+00 312+00 313+00 314+00 315+00 315+49

VALLEY VIEW ROAD

FUTURE ANCIENT OAK LANE

45 46 47

ANGLE 45° RCP BEND 6.61% FROM HORIZONTAL PLANE

SAS #7
STA 310'SM'+60.82 LT 0.00'
RIM=1070.78
EI=1059.83(N)
EI=1059.73(W)

336LF - 8" PVC @ 0.40%

SAS #6
STA 310'SM'+60.82 RT 13.00'
RIM=1070.52
EI=1059.68(W)
EI=1059.58(S)

STUB #11
STA 310'SM'+90.75 LT 1.31'
EI=1061.15
INSTALL ELECTRONIC MARKER BALL ABOVE STUB END

30LF - 8" PVC @ 4.40%

13LF - 8" PVC @ 0.40%

1090 1085 1080 1075 1070 1065 1060 1055 1050

310+00 311+00 312+00 313+00 314+00 315+00

FILE NAME: M:\DESIGN\Projects\53B2317\Sanitary\Design\53B2380UTL-PnP-SML-3.dgn

DATE: 7/25/2014

PLOT SCALE: ___

PLOT NAME: ___

REV. DATE: ___

SANITARY SCHEDULE

ALIGNMENT CODES:

'AO'- ANCIENT OAK LANE
'SM'- SUGAR MAPLE LANE
'CB'- CHERRY BLOSSOM DRIVE
'EAS'- SANITARY EASEMENT
'LP'- LOST PINE TRAIL
'WP'- WILD PRAIRIE TRAIL

SUGAR MAPLE PHASE 2	SHEET NO.
PROJECT NO. 53B2380	U-4
SANITARY SEWER SCHEDULE	CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	2'EAS'+72.05	RT-0.00	1048.31	1039.95	8.36	INSTALL CHIMNEY SEAL
SAS#2	3'EAS'+45.17	RT-0.00	1048.49	1040.34	8.15	INSTALL CHIMNEY SEAL
SAS#3	7'EAS'+45.17	RT-0.00	1058.13	1047.50	10.63	
SAS#4	9'EAS'+02.12	LT-0.18	1060.34	1050.00	10.34	
SAS#5	303'SM'+32.90	RT-0.00	1070.23	1056.00	14.23	
SAS#6	310'SM'+60.82	RT-13.00	1070.52	1059.58	10.94	
SAS#7	310'SM'+60.82	LT-0.00	1070.78	1059.73	11.05	
~~*SAS#8*~~	~~*312'SM'+80.30*~~	~~*LT-10.54*~~	~~*1081.44*~~	~~*1070.00*~~	~~*11.44*~~	*FUTURE WORK*
~~*SAS#9*~~	~~*33'AO'+00.09*~~	~~*LT-0.02*~~	~~*1085.42*~~	~~*1074.00*~~	~~*11.42*~~	*FUTURE WORK*
~~*SAS#10*~~	~~*35'AO'+51.32*~~	~~*RT-0.00*~~	~~*1099.50*~~	~~*1089.00*~~	~~*10.50*~~	*FUTURE WORK*
SAS#11	51'CB'+55.55	RT-0.00	1081.28	1068.50	12.78	
SAS#12	53'CB'+09.52	LT-0.00	1077.59	1069.28	8.31	
SAS#13	54'CB'+50.00	RT-0.00	1079.20	1069.94	9.26	
SAS#14	55'CB'+58.94	RT-0.00	1083.59	1074.00	9.59	
SAS#15	4'WP'+30.00	LT-0.00	1087.90	1078.00	9.90	
SAS#16	5'WP'+80.00	RT-0.00	1093.42	1083.00	10.42	
SAS#17	19'LP'+00.03	RT-0.00	1082.84	1072.00	10.84	
SAS#18	21'LP'+16.75	RT-0.00	1089.41	1078.00	11.41	
SAS#19	58'CB'+38.29	LT-0.00	1099.98	1089.50	10.48	
SAS#20	50'CB'+15.09	RT-0.00	1086.36	1076.00	10.36	
SAS#21	301'SM'+75.00	LT-0.00	1075.76	1066.00	9.76	
~~*SAS#22*~~	~~*299'SM'+75.00*~~	~~*RT-6.00*~~	~~*1090.61*~~	~~*1080.00*~~	~~*10.61*~~	*FUTURE WORK*
SAS#23	10'LP'+13.00	RT-0.00	1069.97	1059.58	10.39	
SAS#24	307'SM'+24.16	RT-13.00	1069.61	1056.40	13.21	
~~*SAS#25*~~	~~*314'SM'+72.21*~~	~~*LT-10.77*~~	~~*1094.26*~~	~~*1082.00*~~	~~*12.26*~~	*FUTURE WORK*

PROPOSED SANITARY PIPE STUBS

STUB NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
STUB#1	301'SM'+67.00	LT-0.25	--	1066.53	--	
~~*STUB#2*~~	~~*314'SM'+79.74*~~	~~*RT-0.00*~~	~~*--*~~	~~*1082.48*~~	~~*--*~~	*FUTURE WORK*
STUB#3	50'CB'+05.02	RT-0.00	--	1076.52	--	
STUB#4	5'WP'+96.61	RT-0.00	--	1083.57	--	
STUB#5	21'LP'+33.21	LT-0.00	--	1078.49	--	
STUB#6	35'AO'+75.32	LT-0.00	--	1090.43	--	
STUB#7	307'SM'+30.55	RT-27.30	--	1058.13	--	
STUB#8	58'CB'+38.29	LT-8.00	--	1089.70	--	
STUB#9	310'SM'+60.82	LT-33.00	--	1059.80	--	
~~*STUB#10*~~	~~*312'SM'+80.30*~~	~~*LT-43.54*~~	~~*--*~~	~~*1070.42*~~	~~*--*~~	*FUTURE WORK*
STUB#11	310'SM'+90.75	LT-1.31	--	1061.15	--	

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX.SAS#1563-004	SAS#1	1038.88	1039.95	268	0.40%	10"	SDR-35	PER ASTM D3034
SAS#1	SAS#2	1040.05	1040.34	73	0.40%	10"	SDR-35	PER ASTM D3034
SAS#2	SAS#3	1040.44	1047.50	400	1.76%	10"	SDR-35	PER ASTM D3034
SAS#3	SAS#4	1047.60	1050.00	157	1.53%	10"	SDR-35	PER ASTM D3034
SAS#4	SAS#5	1050.10	1056.00	63	9.31%	10"	SDR-35	PER ASTM D3034
SAS#24	SAS#6	1058.23	1059.58	336	0.40%	8"	SDR-35	PER ASTM D3034
SAS#6	SAS#7	1059.68	1059.73	13	0.40%	8"	SDR-35	PER ASTM D3034
~~*SAS#7*~~	~~*SAS#8*~~	~~*1059.83*~~	~~*1070.00*~~	~~*219*~~	~~*4.64%*~~	~~*8"*~~	~~*SDR-35*~~	*FUTURE WORK*
~~*SAS#8*~~	~~*SAS#9*~~	~~*1070.10*~~	~~*1074.00*~~	~~*300*~~	~~*1.30%*~~	~~*8"*~~	~~*SDR-35*~~	*FUTURE WORK*
~~*SAS#9*~~	~~*SAS#10*~~	~~*1074.10*~~	~~*1089.00*~~	~~*251*~~	~~*5.93%*~~	~~*8"*~~	~~*SDR-35*~~	*FUTURE WORK*
~~*SAS#8*~~	~~*SAS#25*~~	~~*1070.20*~~	~~*1082.00*~~	~~*192*~~	~~*6.15%*~~	~~*8"*~~	~~*SDR-35*~~	*FUTURE WORK*
SAS#23	SAS#11	1056.67	1068.50	490	2.42%	10"	SDR-26	PER ASTM D3034
SAS#11	SAS#12	1068.67	1069.28	154	0.40%	8"	SDR-35	PER ASTM D3034
SAS#12	SAS#13	1069.38	1069.94	139	0.40%	8"	SDR-35	PER ASTM D3034
SAS#13	SAS#14	1070.04	1074.00	108	3.66%	8"	SDR-35	PER ASTM D3034
SAS#14	SAS#15	1074.10	1078.00	400	0.98%	8"	SDR-35	PER ASTM D3034
SAS#15	SAS#16	1078.10	1083.00	150	3.27%	8"	SDR-35	PER ASTM D3034
SAS#11	SAS#17	1068.77	1072.00	397	0.81%	10"	SDR-35	PER ASTM D3034
SAS#17	SAS#18	1072.10	1078.00	217	2.72%	10"	SDR-35	PER ASTM D3034
SAS#14	SAS#19	1074.20	1089.50	279	5.48%	8"	SDR-35	PER ASTM D3034
SAS#11	SAS#20	1068.87	1076.00	140	5.08%	8"	SDR-35	PER ASTM D3034
SAS#5	SAS#21	1057.00	1066.00	158	5.70%	8"	SDR-26	PER ASTM D3034
~~*SAS#21*~~	~~*SAS#22*~~	~~*1066.10*~~	~~*1080.00*~~	~~*200*~~	~~*6.95%*~~	~~*8"*~~	~~*SDR-35*~~	*FUTURE WORK*
SAS#5	SAS#23	1056.10	1056.40	13	2.31%	10"	SDR-26	PER ASTM D3034
SAS#23	SAS#24	1056.57	1058.13	391	0.40%	8"	SDR-26	PER ASTM D3034
SAS#21	STUB#1	1066.10	1066.53	8	5.38%	8"	SDR-35	PER ASTM D3034
~~*SAS#25*~~	~~*STUB#2*~~	~~*1082.10*~~	~~*1082.48*~~	~~*8*~~	~~*4.80%*~~	~~*8"*~~	~~*SDR-35*~~	*FUTURE WORK*
SAS#20	STUB#3	1076.10	1076.52	10	4.19%	8"	SDR-35	PER ASTM D3034
SAS#16	STUB#4	1083.10	1083.57	16	2.92%	8"	SDR-35	PER ASTM D3034
SAS#18	STUB#5	1078.10	1078.49	16	2.46%	10"	SDR-35	PER ASTM D3034
SAS#10	STUB#6	1089.10	1090.43	24	5.54%	8"	SDR-35	PER ASTM D3034
SAS#24	STUB#7	1058.40	1058.46	16	0.40%	6"	SDR-35	PER ASTM D3034
SAS#19	STUB#8	1089.67	1089.70	8	0.40%	6"	SDR-35	PER ASTM D3034
SAS#7	STUB#9	1059.93	1060.06	33	0.40%	8"	SDR-35	PER ASTM D3034
~~*SAS#8*~~	~~*STUB#10*~~	~~*1070.30*~~	~~*1070.43*~~	~~*33*~~	~~*0.40%*~~	~~*8"*~~	~~*SDR-35*~~	*FUTURE WORK*
SAS#7	STUB#11	1059.83	1061.15	30	4.40%	8"	SDR-35	PER ASTM D3034

NOTE: Sanitary sewer schedule is for Sugar Maple Phase 1 and Phase 2.

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'AO'- ANCIENT OAK LANE
'SM'- SUGAR MAPLE LANE
'CB'- CHERRY BLOSSOM DRIVE
'EAS'- SANITARY EASEMENT
'LP'- LOST PINE TRAIL
'WP'- WILD PRAIRIE TRAIL

SUGAR MAPLE PHASE 2	SHEET NO.
PROJECT NO. 53B2380	U-5
STORM SEWER SCHEDULE	CITY OF MADISON

REV. 4/3/2015 LES

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

PROPOSED STORM STRUCTURES

STRUC NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	306'SM'+50.00	RT-26.75	TERRACE INLET TYPE II	1069.26	1064.51	4.75	FP; PER S.D.D. 5.7.12A
S-2	308'SM'+30.00	RT-23.00	3X3 SAS	1069.51	1065.97	3.54	FP; W/ R-3067-7004-V
* **S-3**	310'SM'+66.58	RT-22.90	45° ELBOW	-	1067.39	-	FP
S-4	310'SM'+73.77	RT-29.26	21-IN RCP APRON ENDWALL W/ GATE	1068.00	1068.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-5	304'SM'+25.00	RT-23.00	3X3 SAS	1069.73	1066.19	3.54	FP; W/ R-3067-7004-V
S-6	303'SM'+88.12	RT-23.00	3X3 SAS	1069.70	1066.61	3.09	FP; W/ R-1550-0054
S-7	10'LP'+59.00	LT-19.75	TERRACE INLET TYPE II	1069.55	1066.83	2.72	FP; PER S.D.D. 5.7.12A; REINFORCE CURB & GUTTER
S-8	10'LP'+59.00	RT-19.75	TERRACE INLET TYPE II	1069.55	1067.21	2.34	FP; PER S.D.D. 5.7.12A; REINFORCE CURB & GUTTER
S-9	302'SM'+84.39	RT-16.50	H INLET	1070.80	1068.00	2.79	FP; W/ R-3067-7004-V
S-10	306'SM'+50.93	RT-84.47	34X53-IN RCP APRON ENDWALL W/ GATE	1064.00	1064.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-11	305'SM'+20.37	RT-71.18	36-IN RCP APRON ENDWALL W/ GATE	1065.00	1065.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-12	305'SM'+20.37	RT-51.59	5X7 SAS	1069.31	1063.12	6.19	W/ R-1550-0054
S-13	305'SM'+20.37	LT-23.00	CONNECTION STRUCTURE	1062.76	1062.26	0.50	SEE NOTE ON PLAN SET
* **S-14**	303'SM'+85.56	LT-23.00	2 X ADS 45° ELBOW (WT)	-	1061.58	-	INCIDENTAL TO PIPE LENGTH
~~S-15~~	~~303'SM'+85.56~~	~~LT-34.10~~	~~36-IN PLASTIC APRON ENDWALL W/ GATE~~	~~1061.51~~	~~1061.51~~	~~0.00~~	~~ADS N-12 WT IB (ASTM F2648)~~
S-16	53'CB'+53.00	LT-19.75	TERRACE INLET TYPE II	1077.00	1070.33	6.67	FP; PER S.D.D. 5.7.12A
S-17	53'CB'+53.00	RT-19.75	TERRACE INLET TYPE II	1077.00	1071.01	5.99	FP; PER S.D.D. 5.7.12A
S-18	54'CB'+10.47	RT-16.00	3X3 SAS	1078.05	1071.76	6.29	W/ R-3067-7004-V
S-19	55'CB'+10.42	RT-16.00	3X3 SAS	1081.72	1075.43	6.29	W/ R-3067-7004-V
S-19A	55'CB'+43.31	LT-15.50	H INLET	1083.03	1079.70	3.33	W/ R-3067-7004-V
S-20	0'WP'+80.00	RT-16.00	3X3 SAS	1082.80	1077.17	5.63	W/ R-3067-7004-V
S-20A	0'WP'+93.00	RT-15.50	H INLET	1083.28	1078.72	4.55	W/ R-3067-7004-V
S-21	0'WP'+80.00	LT-15.50	3X3 SAS	1084.20	1078.57	5.63	W/ R-3067-7004-V
S-21A	0'WP'+93.00	LT-15.50	H INLET	1084.27	1080.12	4.15	W/ R-3067-7004-V
S-22	56'CB'+10.77	RT-15.50	3X3 SAS	1086.54	1080.91	5.63	W/ R-3067-7004-V
S-22A	56'CB'+10.77	LT-15.50	H INLET	1086.54	1083.21	3.33	W/ R-3067-7004-V
S-23	57'CB'+74.45	RT-16.00	3X3 SAS	1097.70	1092.41	5.29	W/ R-3067-7004-V
S-24	53'CB'+22.66	LT-45.71	3X3 SAS	1074.00	1066.11	7.89	W/ R-1550-0054
S-25	53'CB'+08.05	LT-16.00	3X3 SAS	1077.72	1072.09	5.63	W/ R-3067-7004-V
S-26	52'CB'+25.60	LT-16.00	3X3 SAS	1079.69	1074.40	5.29	W/ R-3067-7004-V
S-27	51'CB'+07.86	LT-16.00	3X3 SAS	1082.54	1077.75	4.79	W/ R-3067-7004-V
S-27A	51'CB'+07.86	RT-15.50	H INLET	1082.54	1079.21	3.33	W/ R-3067-7004-V
S-28	50'CB'+16.50	LT-16.00	3X3 SAS	1086.38	1081.59	4.79	W/ R-3067-7004-V
S-29	52'CB'+03.30	RT-16.00	3X3 SAS	1080.23	1075.77	4.46	W/ R-3067-7004-V
S-30	15'LP'+55.00	LT-15.50	H INLET	1080.88	1077.16	3.72	W/ R-3067-7004-V
S-30A	15'LP'+68.00	LT-15.50	H INLET	1080.96	1077.63	3.33	W/ R-3067-7004-V
S-31	15'LP'+55.00	RT-15.50	H INLET	1080.88	1077.55	3.33	W/ R-3067-7004-V
S-31A	15'LP'+68.00	RT-15.50	H INLET	1080.96	1077.63	3.33	W/ R-3067-7004-V
S-32	53'CB'+18.67	LT-68.71	36-IN RCP APRON ENDWALL W/ GATE	1066.00	1066.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-33	53'CB'+85.21	RT-74.60	24-IN RCP APRON ENDWALL W/ GATE	1068.00	1068.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-34	53'CB'+33.01	LT-73.81	48-IN RCP APRON ENDWALL W/ GATE	1066.00	1066.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
S-35	301'SM'+65.10	RT-23.55	12-IN RCP APRON ENDWALL W/ GATE	1075.00	1075.00	0.00	PER S.D.D. 5.4.1 AND S.D.D. 5.6.1
* **S-36**	**53'CB'+33.07**	**LT-78.70**	24-IN RCP APRON ENDWALL W/ GATE	**1065.00**	**1065.00**	**0.00**	**PER S.D.D. 5.4.1 AND S.D.D. 5.6.1 (SEE NOTE 1)**
* **S-37**	**53'CB'+91.58**	**RT-1.16**	ADS 45° ELBOW (WT)	-	**1065.00**	-	**INCIDENTAL TO PIPE LENGTH**
* **S-38**	**54'CB'+03.55**	**RT-78.73**	24-IN RCP APRON ENDWALL W/ GATE	**1065.00**	**1065.00**	**0.00**	**PER S.D.D. 5.4.1 AND S.D.D. 5.6.1 (SEE NOTE 1)**

PROPOSED STORM PIPES

PIPE NO.	FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	PIPE LENGTH (FT)	PLAN LENGTH (FT)	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
P-1	S-10	S-1	1064.00	1064.51	34	36	1.51%	34"x53"	HERCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-2	S-1	S-2	1065.09	1065.97	176	180	0.50%	24"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-3	S-2	S-3	1066.22	1067.39	234	236	0.50%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-4	S-3	S-4	1067.39	1068.00	9	9	6.61%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-5	S-1	S-5	1065.09	1066.19	221	225	0.50%	24"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-6	S-5	S-6	1066.44	1066.61	34	37	0.50%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-7	S-6	S-7	1066.61	1066.83	44	49	0.50%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-8	S-7	S-8	1067.12	1067.21	36	40	0.25%	14"x23"	HERCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-9	S-8	S-9	1067.76	1068.00	49	53	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-10	S-9	STUB-4	1068.00	1068.12	24	25	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-11	S-2	STUB-2	1066.97	1067.11	30	31	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-12	S-1	STUB-1	1064.59	1064.75	33	35	0.50%	30"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-13	S-5	STUB-3	1067.19	1067.34	30	31	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-14	S-12	S-11	1064.91	1065.00	18	20	0.50%	36"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-15A	S-13	S-12	1062.76	1063.12	72	75	0.50%	24"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-15B	S-13	S-12	1062.76	1063.12	72	75	0.50%	24"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-16	S-14	S-13	1061.63	1062.26	126	126	0.50%	36"	PLASTIC	ADS N-12 WT IB PIPE (ASTM F2648) OR APPROVED EQUAL
~~P-17~~	~~S-15~~	~~S-14~~	~~1061.51~~	~~1061.58~~	~~7~~	~~7~~	~~0.97%~~	~~36"~~	~~PLASTIC~~	~~ADS N-12 WT IB PIPE (ASTM F2648) OR APPROVED EQUAL~~
P-18	S-34	S-16	1066.00	1070.33	58	60	7.49%	48"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-19	S-16	S-17	1070.83	1071.01	36	40	0.50%	42"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-20	S-17	S-18	1071.51	1071.76	50	54	0.50%	36"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-21	S-18	S-19	1071.76	1075.43	105	108	3.50%	36"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-22	S-19	S-19A	1077.43	1079.70	42	46	5.40%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-23	S-19	S-20	1075.93	1077.17	43	47	2.88%	30"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-24	S-20	S-21	1077.17	1078.57	29	32	4.83%	30"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-25	S-21	S-22	1078.57	1080.91	45	49	5.19%	30"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-26	S-22	S-23	1081.16	1092.41	161	164	7.00%	27"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-27	S-23	STUB-6	1092.41	1092.46	10	12	0.55%	27"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-28	S-20	S-20A	1078.67	1078.72	10	13	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-29	S-21	S-21A	1080.07	1080.12	10	13	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-30	S-22	S-22A	1082.41	1083.21	29	32	2.76%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-31	S-32	S-24	1066.00	1066.11	22	24	0.50%	36"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-32	S-24	S-33	1067.11	1068.00	125	126	0.71%	24"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-33	S-24	S-25	1068.54	1072.09	31	35	11.52%	27"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-34	S-25	S-26	1072.09	1074.40	81	84	2.84%	27"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-35	S-26	S-27	1074.90	1077.75	115	118	2.48%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-36	S-27	S-28	1077.75	1081.59	88	91	4.35%	21"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-37	S-28	STUB-5	1081.84	1081.89	10	12	0.50%	18"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-38	S-27	S-27A	1078.50	1079.21	29	32	2.45%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-39	S-26	S-29	1075.15	1075.77	35	39	1.75%	18"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-40	S-29	S-30	1076.02	1077.16	45	48	2.55%	15"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-41	S-30	S-31	1077.41	1077.55	29	31	0.50%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-42	S-30	S-30A	1077.41	1077.63	10	13	2.20%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-43	S-31	S-31A	1077.55	1077.63	10	13	0.75%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
P-44	S-9	**S-36**	1068.00	**1068.59**	**10**	**12**	5.87%	12"	RCP	CLASS III (ASTM C 76) PER SPEC. 504.2(A)
* **P-45**	**S-38**	**S-39**	**1065.00**	**1065.00**	**100**	**107**	**0.00%**	**24"**	**PLASTIC**	**ADS N-12 WT IB PIPE (ASTM F2648) OR APPROVED EQUAL**
* **P-46**	**S-39**	**S-40**	**1065.00**	**1065.00**	**72**	**79**	**0.00%**	**24"**	**PLASTIC**	**ADS N-12 WT IB PIPE (ASTM F2648) OR APPROVED EQUAL**

PROPOSED STORM PIPE STUBS

STUB NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
1	306'SM'+50.00	LT-8.00	STUB	--	1064.75		
2	308'SM'+30.00	LT-8.00	STUB	--	1067.11		
3	304'SM'+25.00	LT-8.00	STUB	--	1067.34		
4	302'SM'+84.39	LT-8.00	STUB	--	1068.12		
5	50'CB'+05.00	LT-16.00	STUB	--	1081.89		
6	57'CB'+74.42	RT-27.50	STUB	--	1092.46		

(1) CONCRETE COLLAR TO BE USED TO ATTACH ENDWALL TO PIPE

NOTE: Storm sewer schedule is for Sugar Maple Phase 1 and Phase 2.

FILE NAME: M:\DESIGN\PROJECTS\53B2317\SANITARY\DOCUMENTS\MISC\STORM SCHEDULE OVERALL.XLSX]STORM SCHEDUL

DATE: 04/03/2015

SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. W-1
WATER PLAN AND PROFILE	
CHERRY BLOSSOM DRIVE — CITY OF MADISON	

STA 58+08.0 / 8.0'RT
8-IN X 6-IN REDUCER

STA 57+81.6 / 33.0'LT
8-IN CAP

STA 57+81.6 / 5.0'RT
8-IN VALVE & BOX

STA 56+26.1 / 33.0'LT
6-IN CAP

STA 56+26.1 / 5.0'RT
6-IN VALVE & BOX

STA 55+67.0 / 8.0'RT
8-IN X 8-IN TEE

STA 55+70.0 / 8.0'RT
8-IN VALVE & BOX

PHASE 1 WORK.
SEE 53B2317 PLAN SET.

PHASE 2 WORK.
SEE 53B2380 PLAN SET.

44 | 45 | 46 | 42

0+00 | 56+00 | 57+00 | 58+00 | 59+00 | 60+00

CHERRY BLOSSOM DRIVE

WILD PRAIRIE TRAIL

1+00

STA 56+26.1 / 8.0'RT
8-IN X 6-IN TEE

STA 57+81.6 / 8.0'RT
8-IN X 8-IN TEE

STA 58+11.0 / 8.0'RT
5-IN HYDRANT

FUTURE WATER MAIN

PLAT BOUNDARY

0708-332-8000-3
UNITED STATES OF AMERICA
TOWN OF MIDDLETON

6-FT (TYP.)

PROP 8-IN WM

FUTURE 8-IN WM

1079.81	1081.02	1082.23	1083.45	1084.68	1086.78	1088.88	1091.10	1093.54	1094.79	1097.10	1097.93	1098.98	1100.36	1101.55	1102.64	1103.58	1102.96	1102.63	1102.47	1102.17

1100 | 1095 | 1090 | 1085 | 1080 | 1075 | 1070 | 1065 | 1060

55+00 | 56+00 | 57+00 | 58+00 | 59+00 | 60+00

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2317\Water\Design\53B2317WU-PnP-CBD-Ph2.dgn

DATE: 7/25/2014

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. W-2
WATER ESTIMATE OF MATERIALS CITY OF MADISON	

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.

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. 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 NOTFICATION INFORMATION.

PHASES 1 AND 2:

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

60-FT - 6-IN PIPE
2520-FT - 8-IN PIPE

2820-FT - POLYWRAP

8 - 6-IN VALVE & BOX
7 - 8-IN VALVE & BOX

2 - 8-IN 22.5° BEND
4 - 8-IN 45° BEND

8 - 8-IN X 6-IN TEE
2 - 8-IN X 8-IN TEE
1 - 8-IN X 8-IN CROSS

1 - 8-IN X 6-IN REDUCER

3 - 8-IN MJ PLUG

1 - 6-IN CAP
1 - 8-IN CAP

8 - 5-IN HYDRANT

300-FT - 2-IN STYROFOAM INSULATION

1-IN COPPER TUBING (AS REQUIRED)

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.

MEMBER ONE CALL SYSTEMS INTERNATIONAL

ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:

380-FT - 12-IN PIPE

400-FT - POLYWRAP

1 - 12-IN VALVE & BOX

1 - 12-IN X 8-IN TEE

1 - 12-IN X 8-IN REDUCER

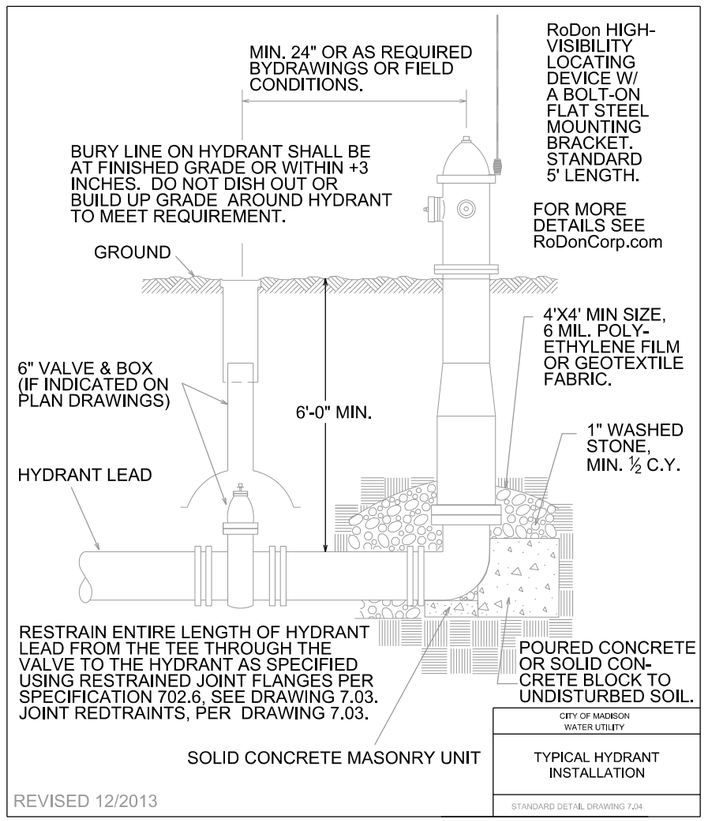
1 - 12-IN MJ PLUG

SALVAGED MATERIALS

20-FT - 6-IN PIPE

1 - 12-IN X 6-IN TEE

1 - 5-IN HYDRANT

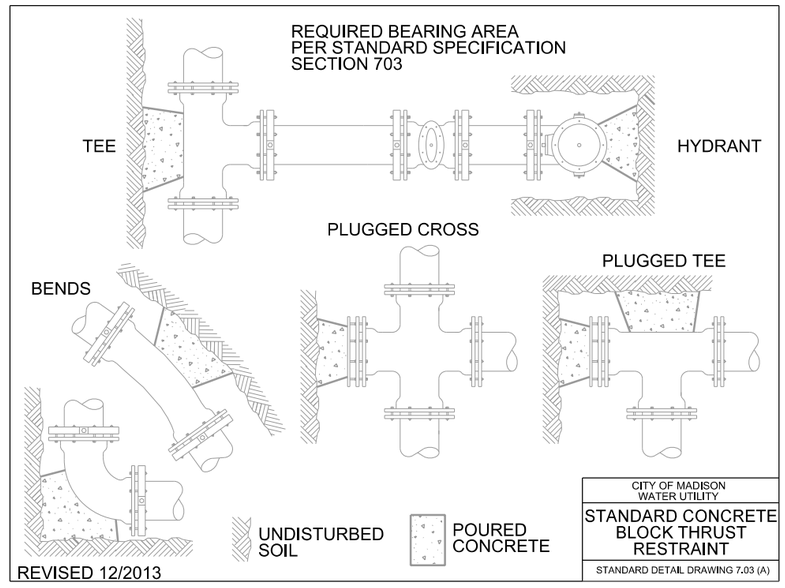


CITY OF MADISON WATER UTILITY

TYPICAL HYDRANT INSTALLATION

STANDARD DETAIL DRAWING 7.04

REVISED 12/2013

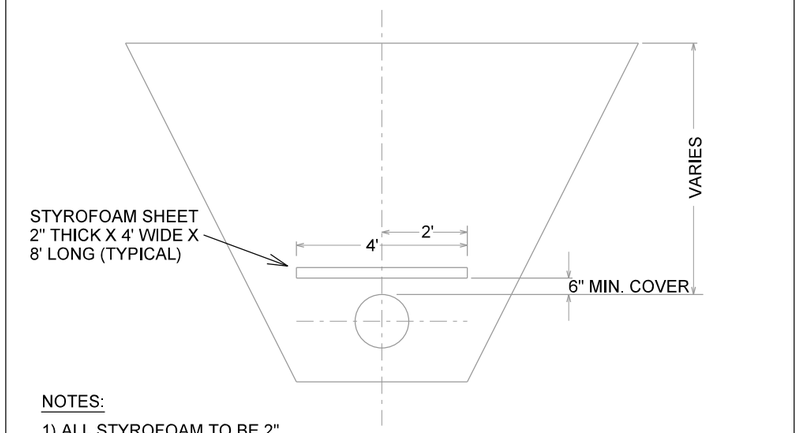


CITY OF MADISON WATER UTILITY

STANDARD CONCRETE BLOCK THRUST RESTRAINT

STANDARD DETAIL DRAWING 7.03 (A)

REVISED 12/2013



NOTES:

1) ALL STYROFOAM TO BE 2" HIGH DENSITY POLYSTRENE BOARD

CITY OF MADISON WATER UTILITY

TYPICAL STYROFOAM INSTALLATION

STANDARD DETAIL DRAWING 7.05

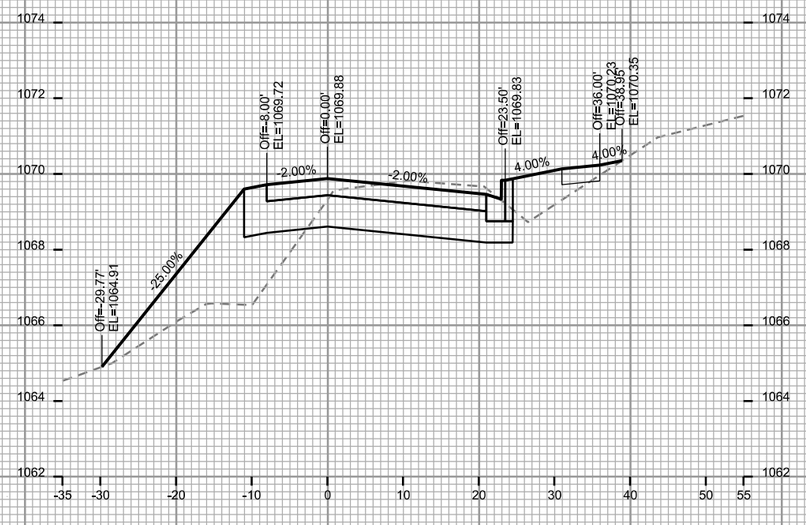
REVISED 1/2009

FILE NAME: M:\DESIGN\Projects\53B2317\Water\Design\53B2317WU-Materials2.dgn

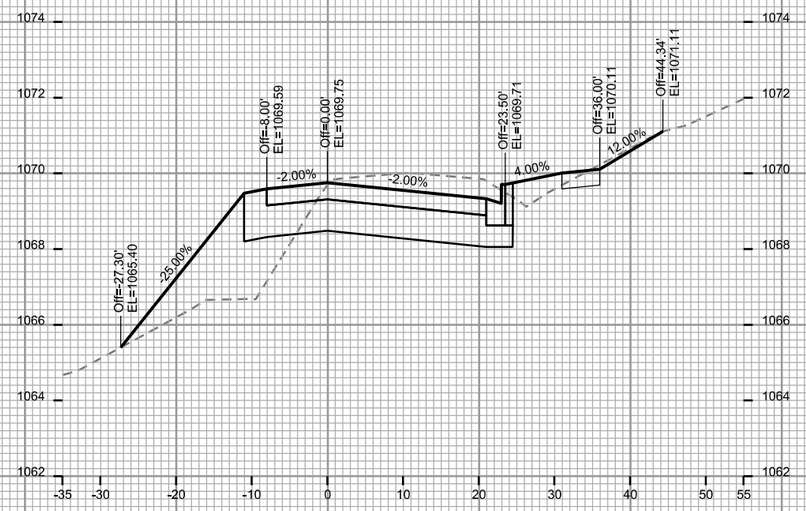
DATE: 7/8/2014

SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. X-1
CROSS SECTIONS	
SUGAR MAPLE LANE	CITY OF MADISON

SEE SUGAR MAPLE PH. 1 PROJ. NO. 53B2317 PLANS FOR CROSS SECTIONS FROM STA 299+72 TO STA 306+75



STA. 307+25

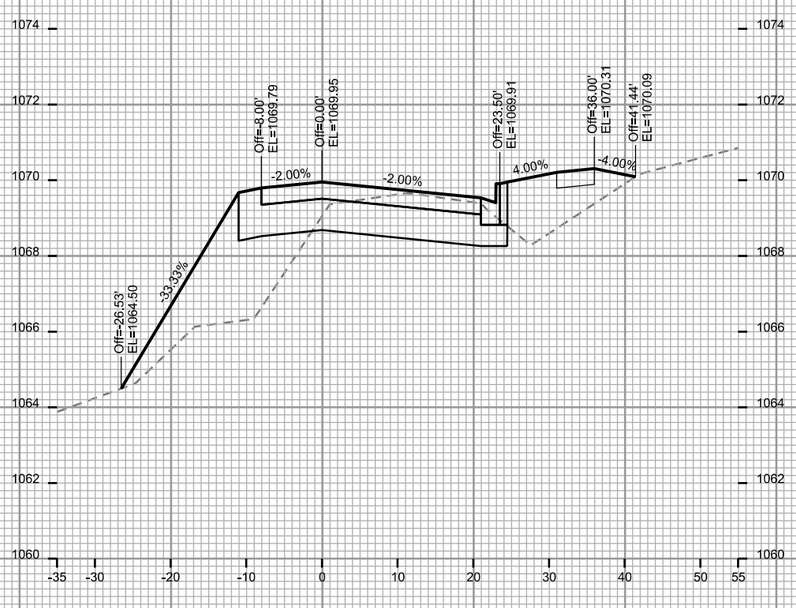


STA. 307+00

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

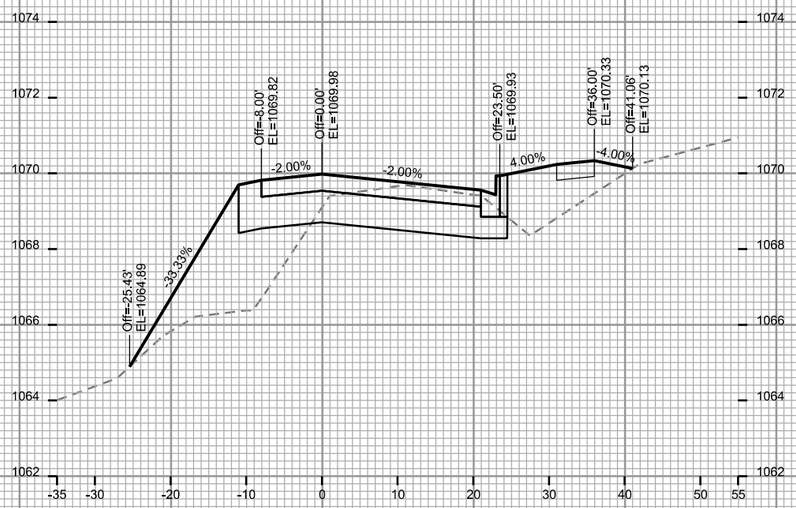
FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2317EN-XSection##.dgn
DATE: 6/27/2014

SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. X-2
CROSS SECTIONS	
SUGAR MAPLE LANE	CITY OF MADISON

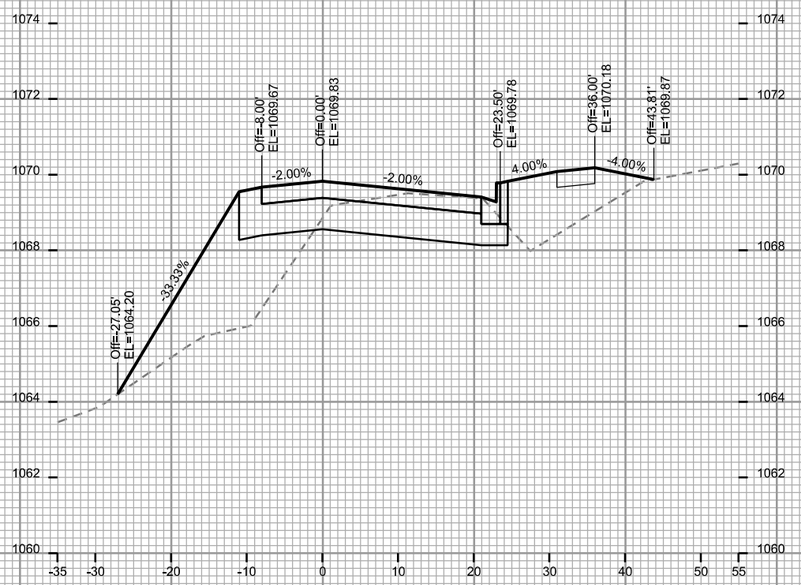


STA. 307+50

STA. 308+00



STA. 307+45



STA. 307+75

PLOT SCALE: ____

PLOT NAME: ____

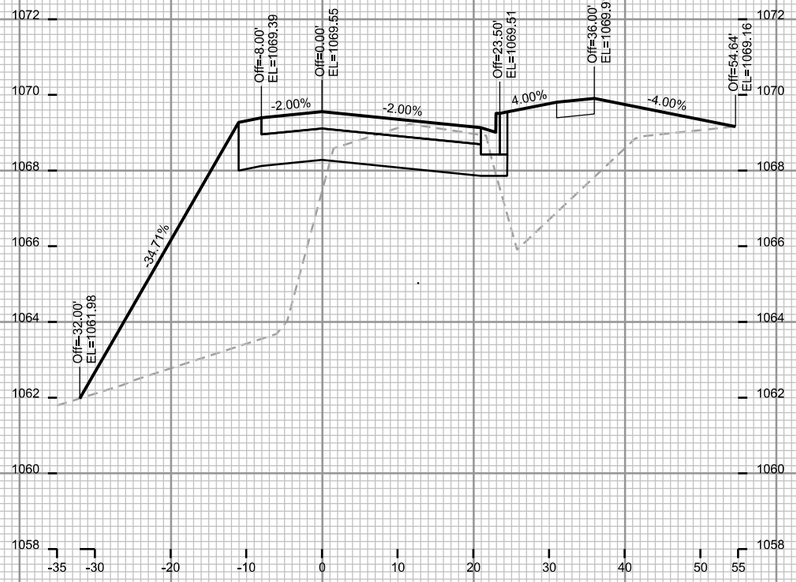
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

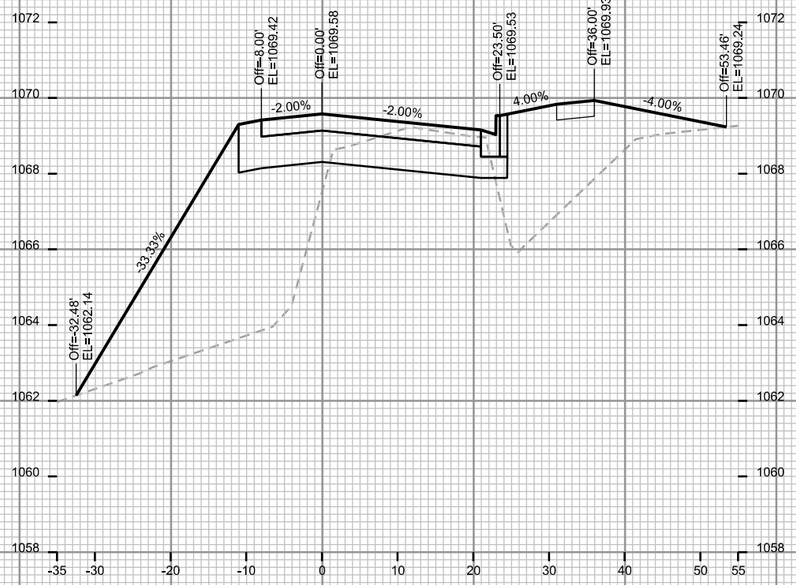
FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2317EN-XSection##.dgn

DATE: 6/27/2014

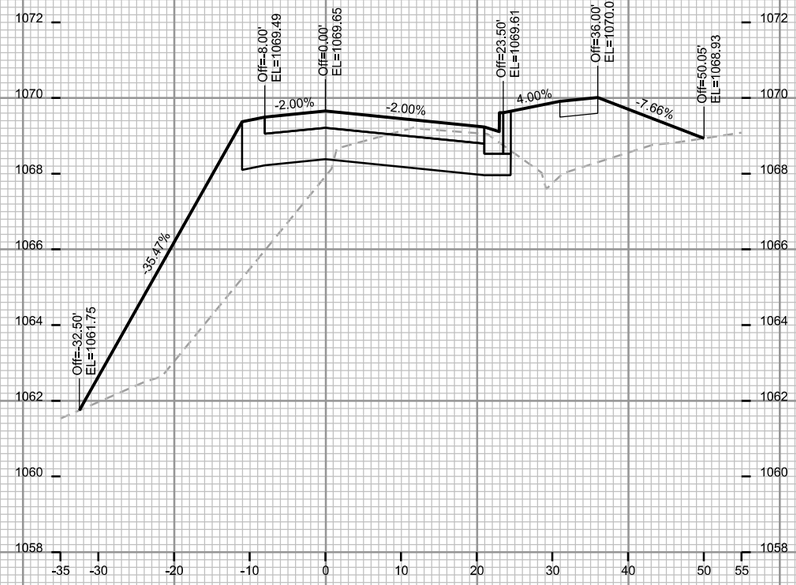
SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. X-3
CROSS SECTIONS	
SUGAR MAPLE LANE	CITY OF MADISON



STA. 308+30



STA. 308+25



STA. 308+50

PLOT SCALE: ____

PLOT NAME: ____

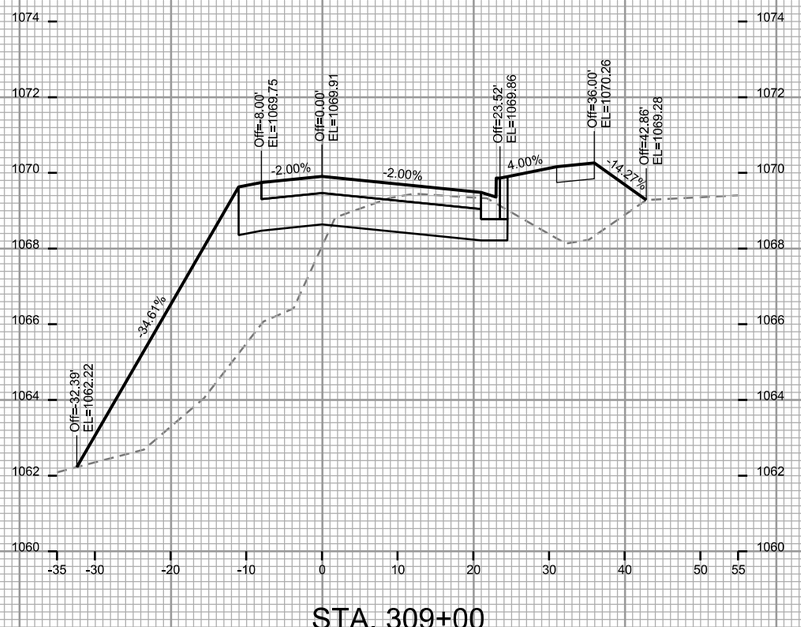
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

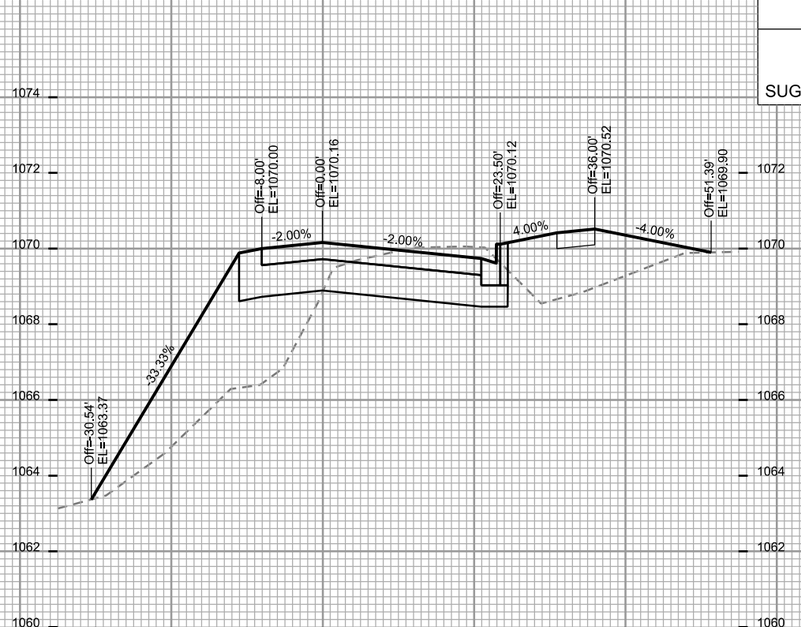
FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2317EN-XSection##.dgn

DATE: 7/25/2014

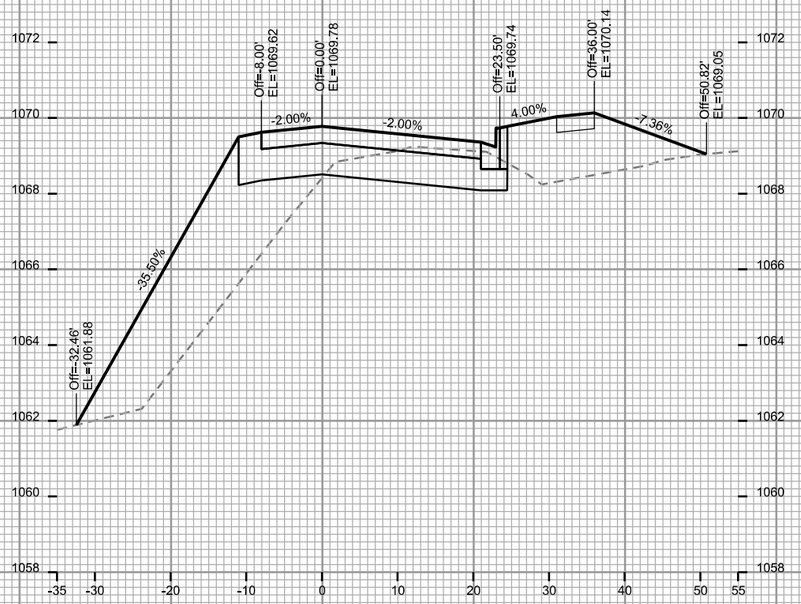
SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. X-4
CROSS SECTIONS	
SUGAR MAPLE LANE	CITY OF MADISON



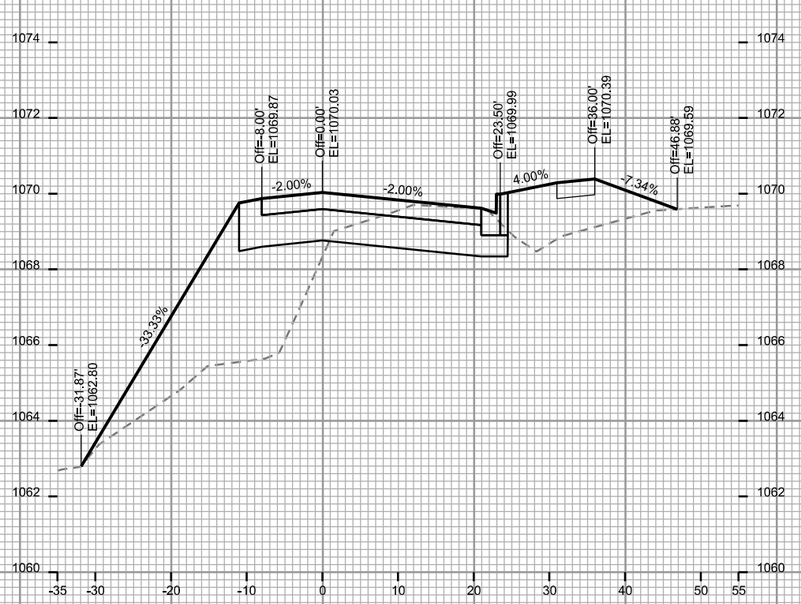
STA. 309+00



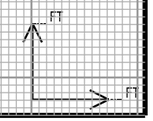
STA. 309+50



STA. 308+75



STA. 309+25



PLOT SCALE: ____

PLOT NAME: ____

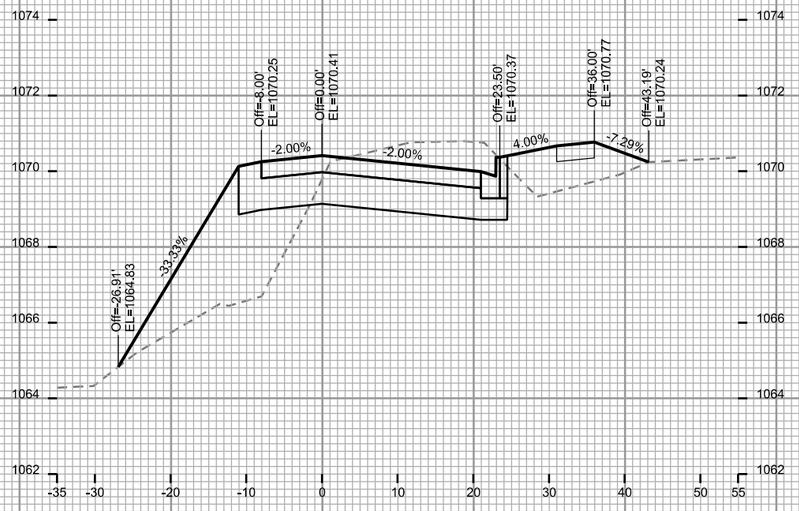
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

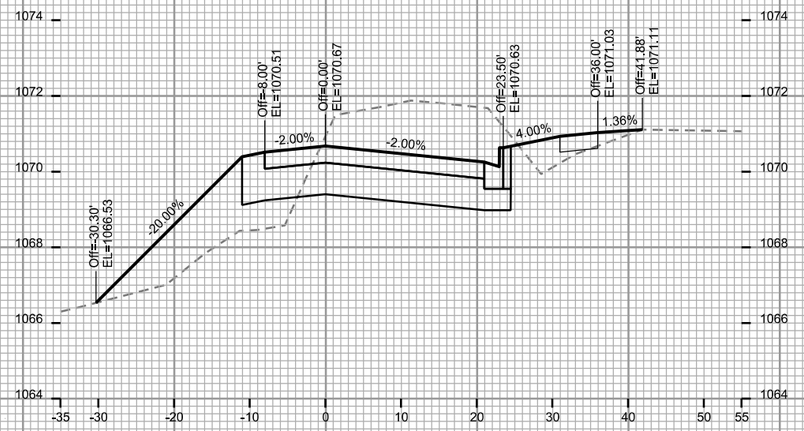
FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2317EN-XSection##.dgn

DATE: 6/27/2014

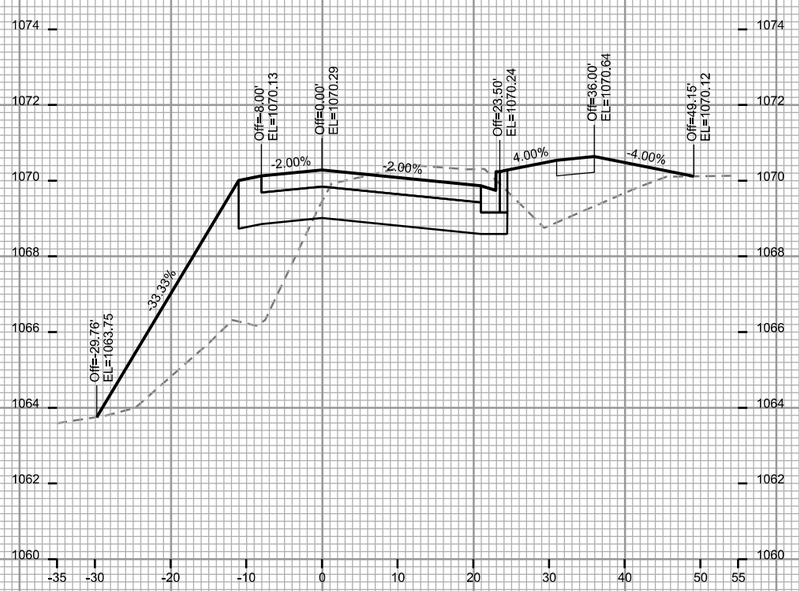
SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. X-5
CROSS SECTIONS	
SUGAR MAPLE LANE	CITY OF MADISON



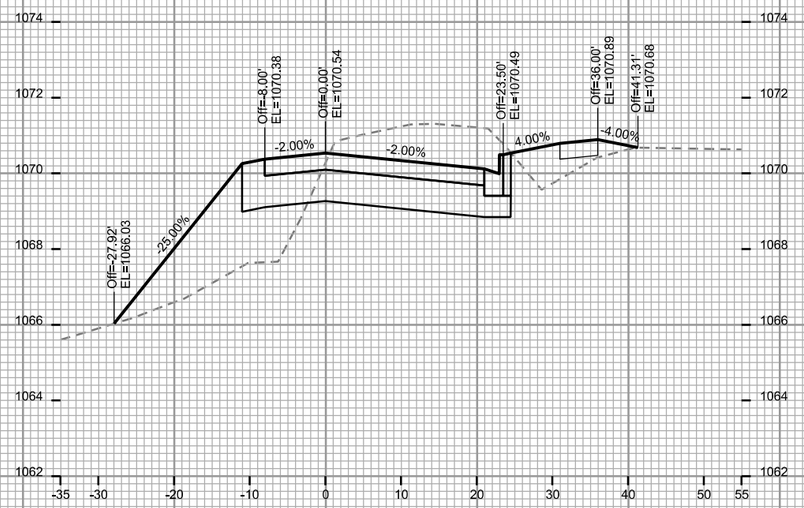
STA. 310+00



STA. 310+50



STA. 309+75



STA. 310+25

PLOT SCALE: ____

PLOT NAME: ____

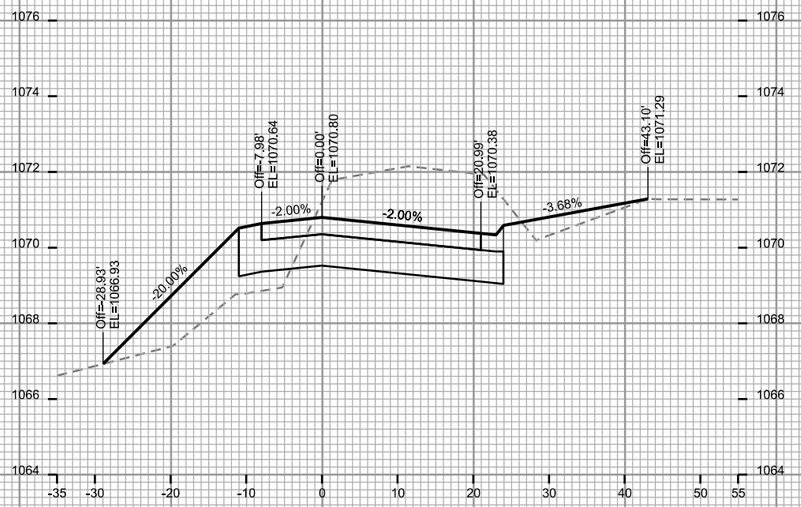
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

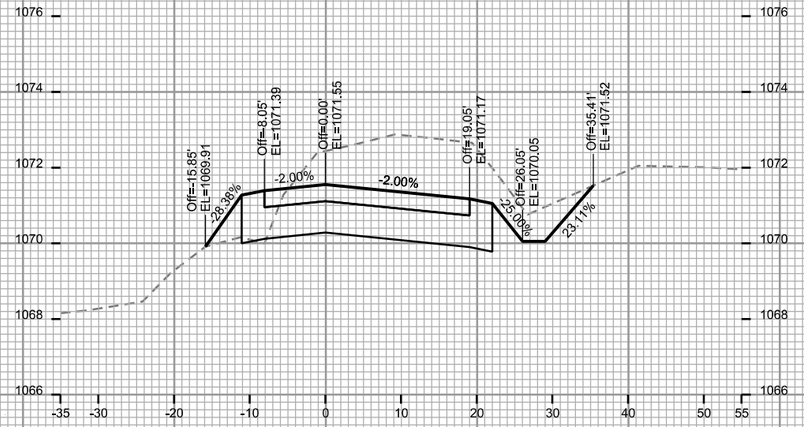
FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2317EN-XSection##.dgn

DATE: 6/27/2014

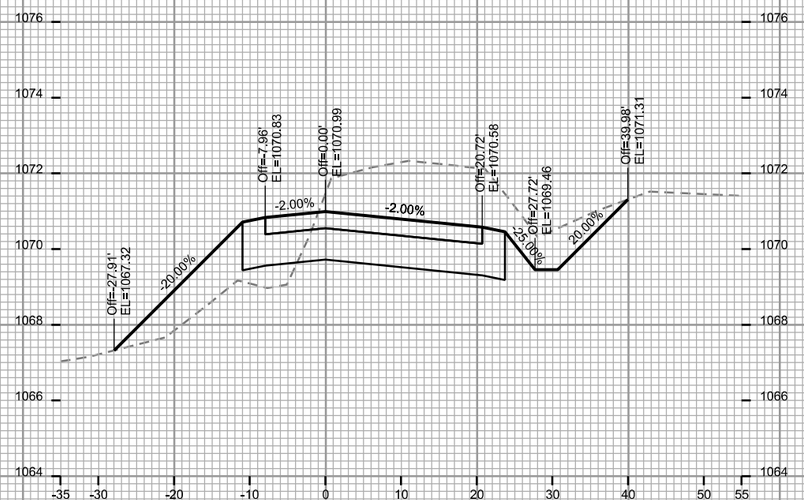
SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. X-6
CROSS SECTIONS	
SUGAR MAPLE LANE	CITY OF MADISON



STA. 310+62



STA. 311+00



STA. 310+75

PLOT SCALE: ____

PLOT NAME: ____

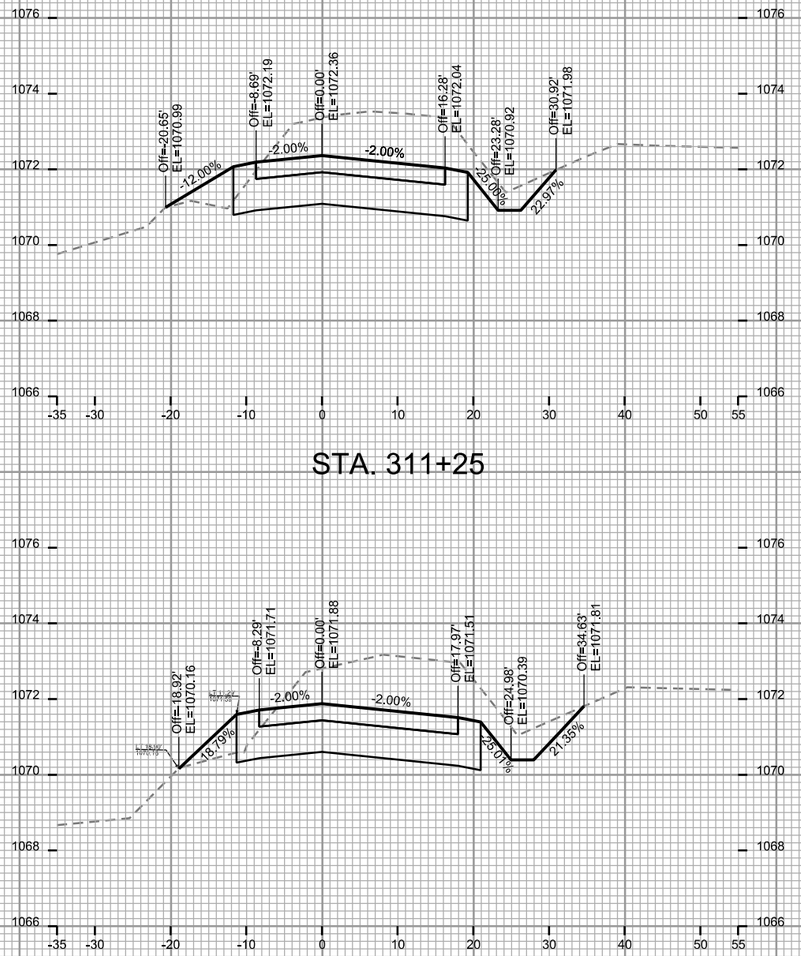
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2317EN-XSection##.dgn

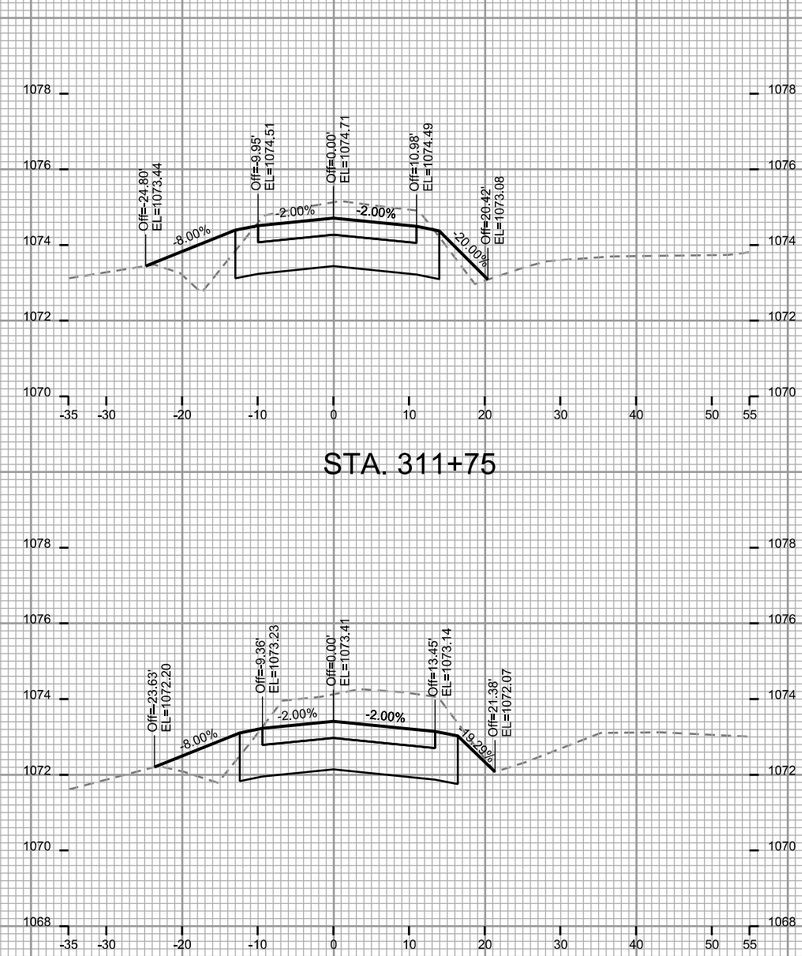
DATE: 6/27/2014

SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. X-7
CROSS SECTIONS	
SUGAR MAPLE LANE	CITY OF MADISON



STA. 311+25

STA. 311+10



STA. 311+75

STA. 311+50

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2317EN-XSection##.dgn

DATE: 6/27/2014

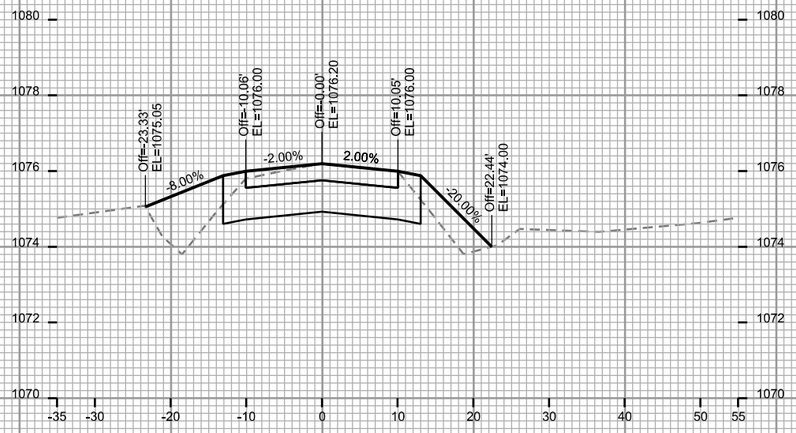
SUGAR MAPLE PHASE 2 PROJECT NO. 53B2380	SHEET NO. X-8
CROSS SECTIONS	
SUGAR MAPLE LANE	CITY OF MADISON

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 312+00

FILE NAME: M:\DESIGN\Projects\53B2317\Streets\Design\53B2317EN-XSection##.dgn

DATE: 6/27/2014

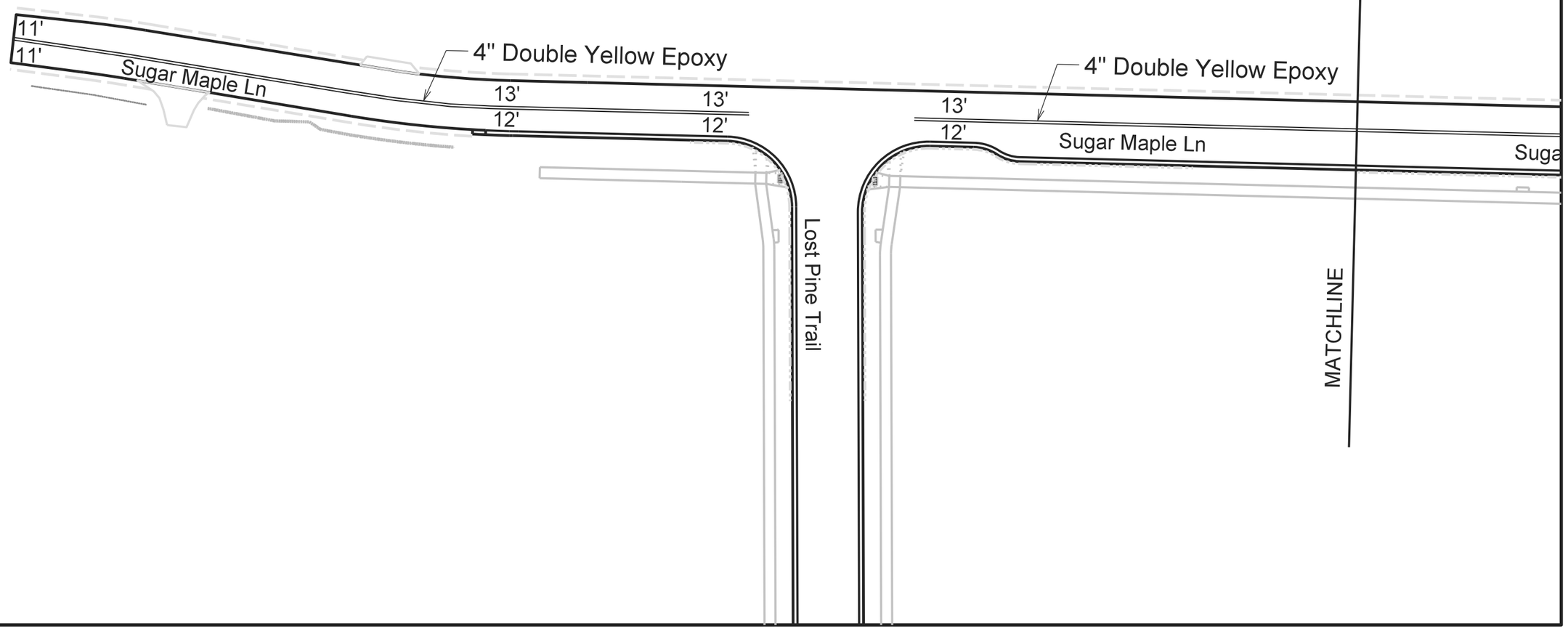
SUGAR MAPLE PHASE 1 PROJECT NO. 53B2317	SHEET NO. M-1
PAVEMENT MARKING PLAN	
SUGAR MAPLE LN	CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV, DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG., DIV.



FILE NAME: $$....designfile....$$

DATE: $$...plottingdate...$$

SUGAR MAPLE PHASE 1 PROJECT NO. 53B2317	SHEET NO. M-2
PAVEMENT MARKING PLAN	
SUGAR MAPLE LN	CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG., DIV.

MATCHLINE

le Yellow Epoxy

e Ln

Sugar Maple Ln

4" Double Yellow Epoxy

13'

18'

4" Double Yellow Epoxy

10'

10'

340'

MATCHLINE

FILE NAME: $$....designfile....$$

DATE: $$...plottingdate...$$