Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

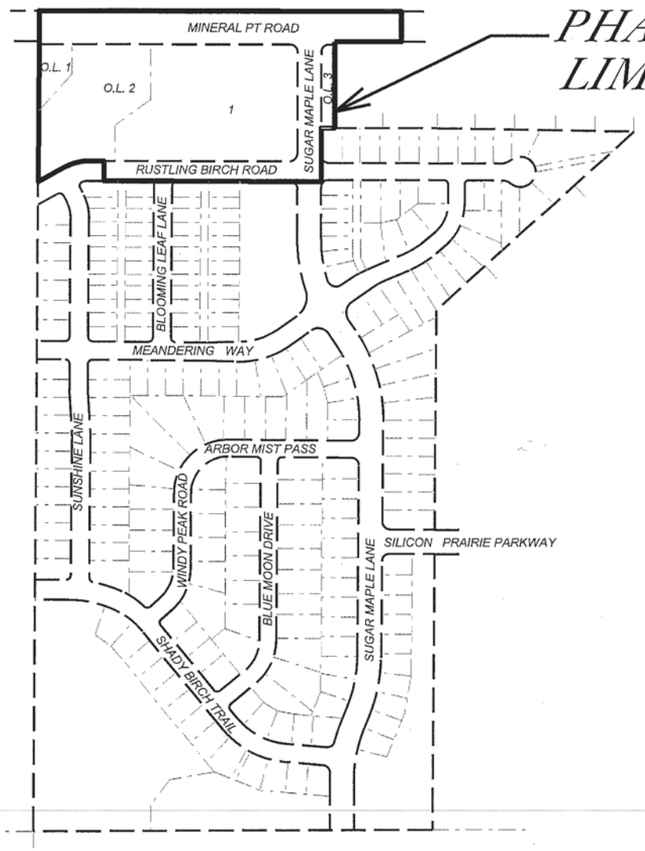
BIRCHWOOD POINT PHASE 2

CITY PROJECT NO. 53B2382

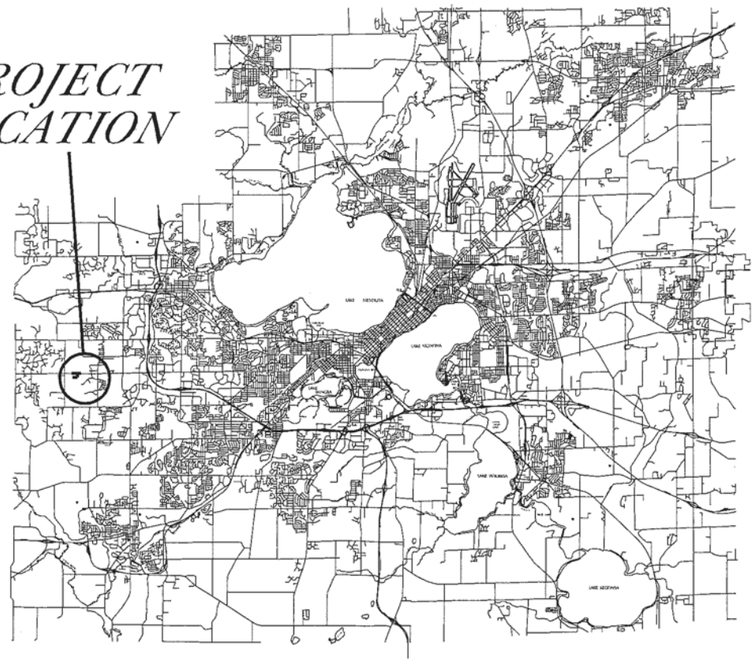
CITY CONTRACT NO. 2382

INDEX OF SHEETS

Rev. 2014 09-05- By John Sapp



PROJECT LOCATION



N W E S

PUBLIC IMPROVEMENT PROJECT APPROVED

MAY 20, 2014

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer — Date 8/22/14

STREET DESIGNED BY:

WISCONSIN — JAMES M WOLFE — E-42725 — MADISON, WI — 8-21-14 — PROFESSIONAL ENGINEER

PAVEMENT MARKINGS DESIGNED BY:

WISCONSIN — THOMAS A. MOHR — E-42481 — MADISON WI — 8/19/14 — PROFESSIONAL ENGINEER

SANITARY SEWER DESIGNED BY:

WISCONSIN — MARK D MODER — E-33979 — MADISON WI — PROFESSIONAL ENGINEER — 8/19/14

WATER DESIGNED BY:

WISCONSIN — PETER E. HOLMGREN — E-42156 — MADISON WI — 8/12/2014 — PROFESSIONAL ENGINEER

STORM SEWER DESIGNED BY:

WISCONSIN — ERIC L. DUNDEE — E-40126 — SUN PRAIRIE WI — 08-21-2014 — PROFESSIONAL ENGINEER

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-TitleSht.dgn

DATE: 8/12/2014

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 MINERAL POINT ROAD. WORK MAY NOT PROCEED ON SUGAR MAPLE LANE UNTIL THERE IS AN APPROVED TRAFFIC CONTROL PLAN OBTAINED FROM CITY TRAFFIC ENGINEERING. CONTACT TOM MOHR VIA EMAIL AT TMOHR@CITYOFMADISON.COM

ALL PAVEMENT WITHIN THE SUGAR MAPLE LANE AND MINERAL POINT ROAD RIGHTS–OF–WAY SHALL BE TYPE C PAVEMENT. ALL PAVEMENT WITHIN THE RUSTLING BIRCH ROAD AND BLOOMING LEAF LANE RIGHTS–OF–WAY SHALL BE TYPE A 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.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES OF 0.5%

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.

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. D-1
DETAIL STANDARD NOTES AND COMMENTS	CITY OF MADISON

REV. 2014 09-05 BY JOHN SAPP

PLOT SCALE: ____

PLOT NAME: ____

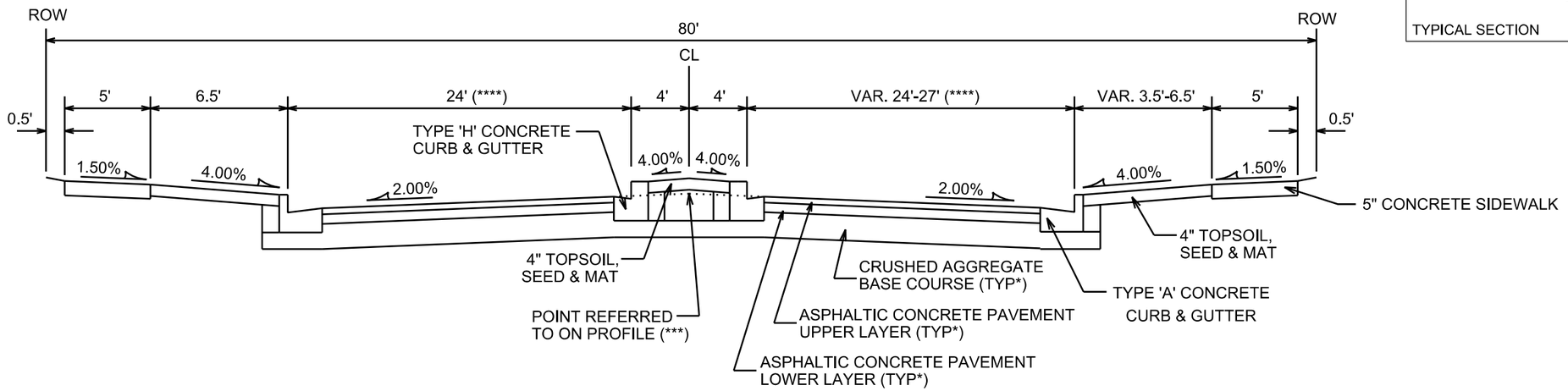
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN_D1_Notes.dgn

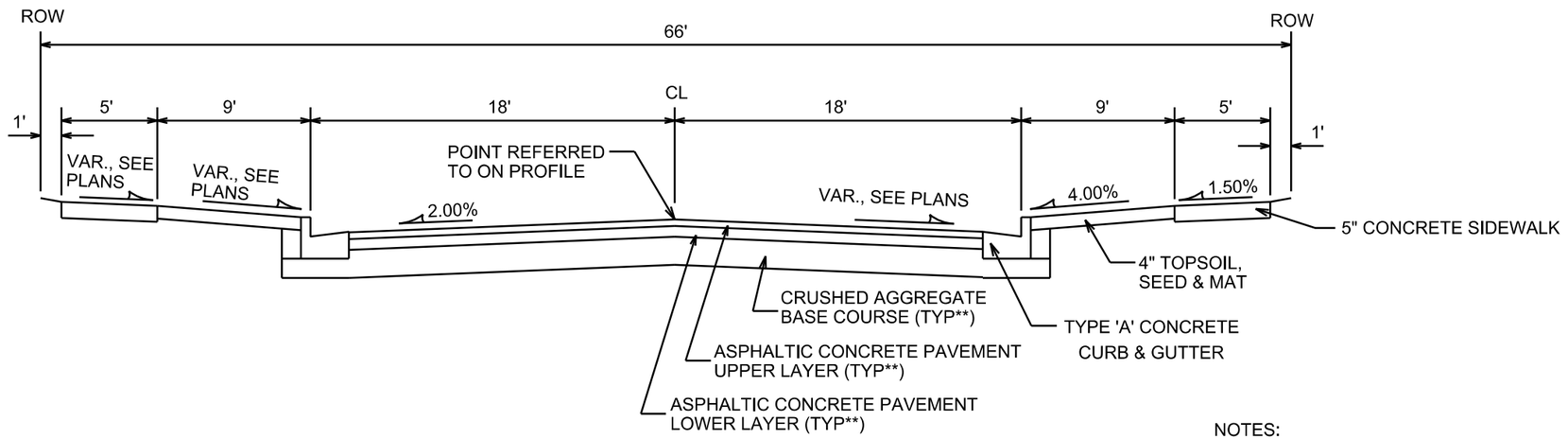
DATE: 9/8/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. D-2
DETAIL	
TYPICAL SECTION	CITY OF MADISON



TYPICAL SECTION

SUGAR MAPLE LANE
STA 71+83 TO STA 76+96
NOT TO SCALE



TYPICAL SECTION

RUSTLING BIRCH ROAD
STA 52+72 TO STA 58+75
NOT TO SCALE

† CITY OF MADISON MINIMUM PAVEMENT DESIGN

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	2"
C	6"	4"	E-3	3.50"	E-3	2"

NOTES:

* SUGAR MAPLE LANE TO BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN (SEE †)

** RUSTLING BIRCH ROAD TO BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN (SEE †)

*** POINT REFERED TO ON PROFILE IS THE EXTENDED PAVEMENT FOR LOCATIONS WITH ISLANDS AS SHOWN ON PLANS.

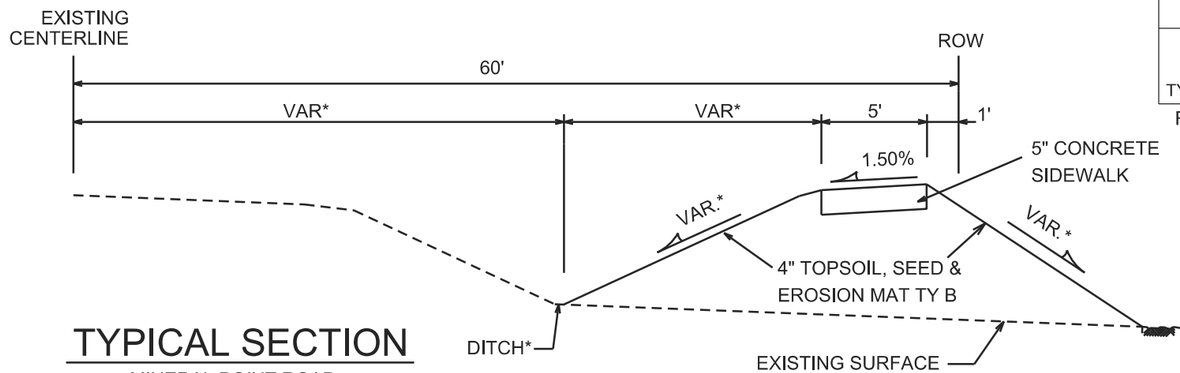
**** WIDTH VARIES AT INTERSECTIONS. SEE PLANS FOR BUMPOUT AND ISLAND LAYOUT.

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

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\DesIgn\53B2382EN_TYPSec_1.dgn DATE: 8/18/2014

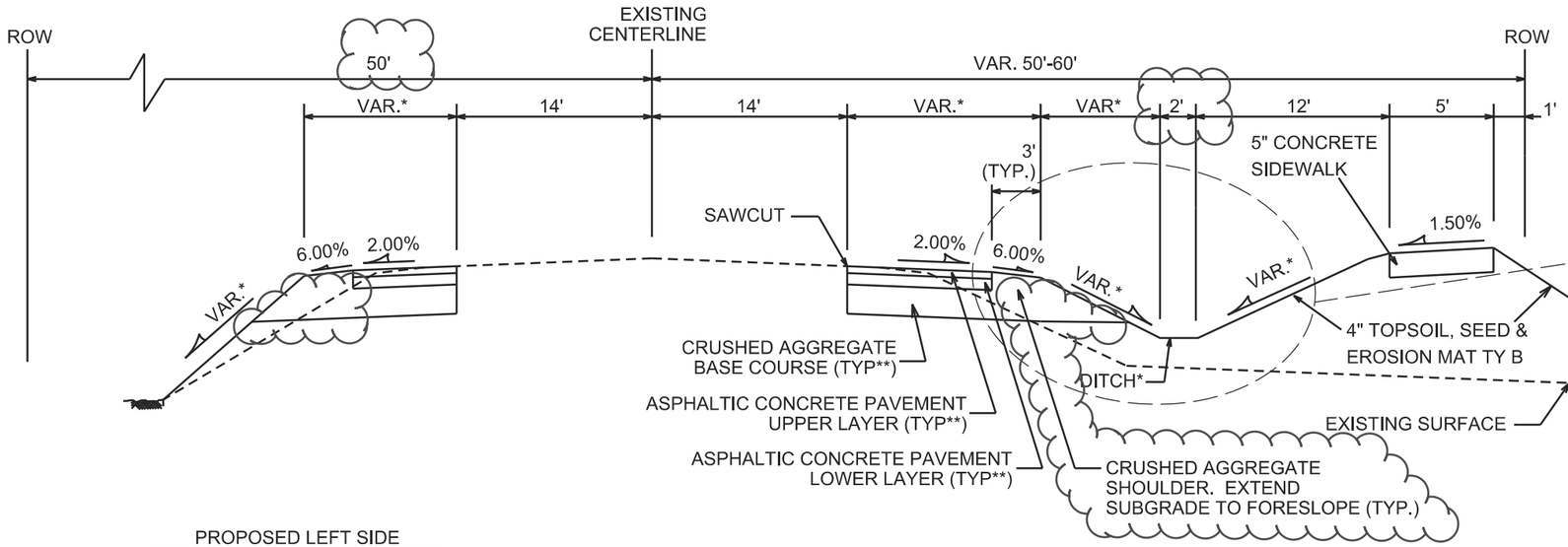
BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. D-3
DETAIL	
TYPICAL SECTION	CITY OF MADISON

REV. 2014 09-04 BY JOHN SAPP



TYPICAL SECTION

MINERAL POINT ROAD
STA 100+25 TO STA 103+47
NOT TO SCALE



PROPOSED LEFT SIDE
FOR STA 105+29 TO STA 112+23

PROPOSED RIGHT SIDE
FOR STA 103+47 TO STA 111+01

TYPICAL SECTION

MINERAL POINT ROAD
STA 103+47 TO STA 112+23
NOT TO SCALE

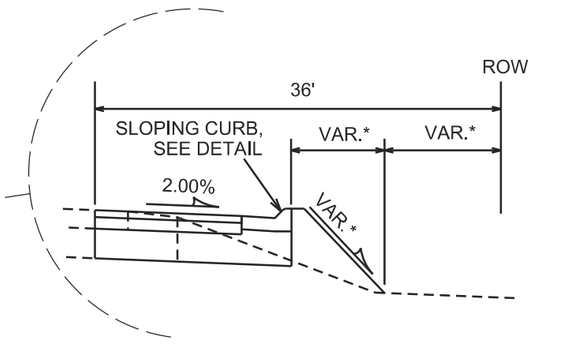
*** CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE GRADATION 2	ASPHALTIC CONCRETE PAVEMENT			
		LOWER LAYER		UPPER LAYER	
		TYPE	THICKNESS	TYPE	THICKNESS
A	10"	E-0.3	1.75"	E-0.3	1.75"
B	10"	E-1	2.50"	E-1	2"
C	10"	E-3	3.50"	E-3	2"

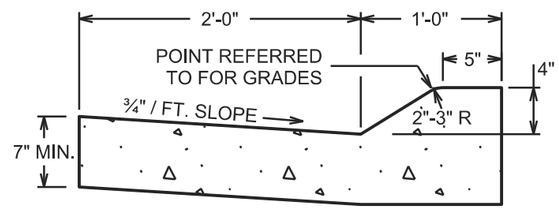
NOTES:

* SEE CROSS SECTIONS FOR OFFSETS, ELEVATIONS, AND SLOPES

** MINERAL POINT ROAD TO BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN (SEE ***)



PROPOSED RIGHT SIDE
FOR STA 109+65 TO STA 110+50



SLOPING CURB DETAIL

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

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN_TYPSec_2.dgn

DATE: 9/9/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. P-1
PLAN AND PROFILE	
SUGAR MAPLE LN. CITY OF MADISON	

REV. 2014 10-27 BY JOHN SAPP

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

RUSTLING BIRCH ROAD

SUGAR MAPLE LANE

MATCHLINE STA 75+00.00

STA 72+13.22, LT 52.00'
1072.04 TC/

STA 71+94.46, LT 39.50'
1073.06 BW/KEYSTONE

STA 72+04.43, LT 30.79'
1073.21 TC/MC

STA 71+83.22, LT 22.00'
1074.38 TC/END CURB

NOTE 1

PI 71+44.34

TYPE III BARRICADES

STA 71+83.22, RT 22.00'
1074.38 TC/END CURB

5' ASPHALT TRANS.

TY 'A' CURB (TYPICAL)

STA 71+87.22, RT 22.00'
1074.23 TC/PC

STA 71+94.46, RT 39.50'
1073.58 BW/KEYSTONE

STA 72+08.43, RT 30.79'
1073.11 TC/MC

STA 72+17.22, RT 52.00'
1072.48 TC/PT

STA 72+17.22, RT 53.90'
1072.47 TC/LO POINT

STA 72+17.22, RT 58.90'
1072.51 TC/END CURB

STA 72+49.22, LT 51.00'
1072.06 TC/PC

STA 72+58.01, LT 29.79'
1072.22 TC/MC

STA 72+67.40, LT 39.50'
1072.58 BW/KEYSTONE

STA 72+79.22, LT 21.00'
1072.39 TC/PT HI POINT

STA 72+81.82, LT 21.00'
1072.38 TC/PC

STA 72+93.12, LT 24.50'
1072.23 TC/PRC

STA 73+04.42, LT 28.00'
1072.12 TC/PT

5' CONC. SIDEWALK

2' WIDE CONC.

UNDERDRAIN

STA 73+07.00, LT 28.00'
1072.11 TC/LO POINT

STA 73+45.00, LT 28.00'
1072.30 TC/HI POINT

STA 72+89.87, LT 4.00'
1072.68 TC/PI

STA 73+07.00, LT 4.00'
1072.59 TC/LO POINT

STA 73+45.00, LT 4.00'
1072.78 TC/HI POINT

STA 72+70.40, LT 2.50'
1072.81 TC/PT

NOTE 2

TY 'H' CURB (TYPICAL)

STA 72+70.40, RT 2.50'
1072.81 TC/PC

STA 72+89.87, RT 4.00'
1072.68 TC/PI

STA 73+07.00, RT 4.00'
1072.59 TC/LO POINT

STA 73+45.00, RT 4.00'
1072.78 TC/HI POINT

STA 73+04.59, RT 28.00'
1072.12 TC/PC

STA 73+07.00, RT 28.00'
1072.11 TC/LO POINT

STA 73+45.00, RT 28.00'
1072.30 TC/HI POINT

TY 'A' CURB (TYPICAL)

STA 72+93.29, RT 24.50'
1072.23 TC/PRC

STA 72+81.99, RT 21.00'
1072.38 TC/PC

STA 72+75.22, RT 21.00'
1072.41 TC/PT

STA 72+67.40, RT 39.50'
1072.58 BW/KEYSTONE

STA 72+54.01, RT 29.79'
1072.54 TC/MC

STA 72+47.50, RT 39.52'
1072.60 TC/QC HI POINT

STA 72+45.22, RT 58.90'
1072.51 TC/END CURB

STA 72+45.22, RT 53.90'
1072.47 TC/LO POINT

STA 72+45.22, RT 51.00'
1072.48 TC/PC

R 30' R 20' R 2.5'

12' 24' 4' 4' 24' 12' 80' 75'

O.L. 5 O.L. 3

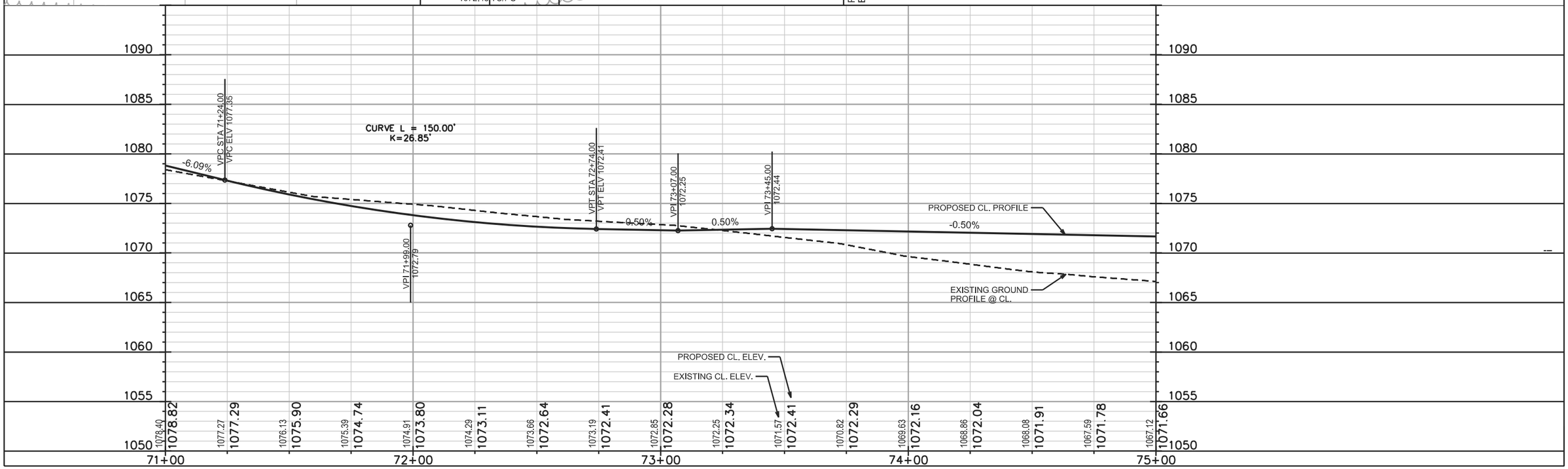
PLAT BOUNDARY

PLAT BOUNDARY

LOT 2
CSM #2904

NOTES:

1. CONSTRUCT ALL ISLAND MEDIAN NOSES PER S.D.D. 3.13
2. INSTALL TOP SOIL, LANDSCAPING BY DEVELOPER



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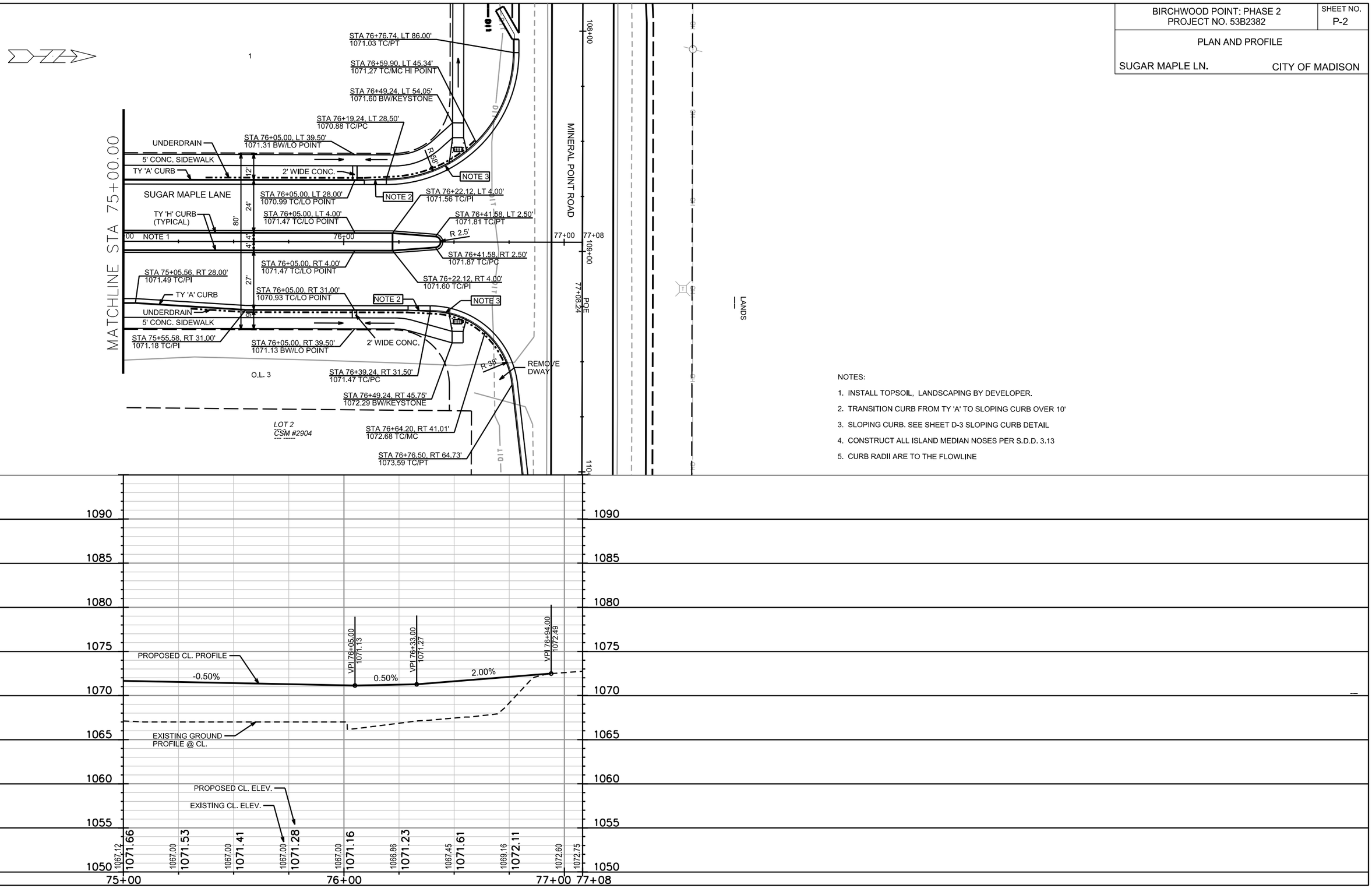
DATE: 10/27/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. P-2
PLAN AND PROFILE	
SUGAR MAPLE LN. CITY OF MADISON	



NOTES:

1. INSTALL TOPSOIL, LANDSCAPING BY DEVELOPER.
2. TRANSITION CURB FROM TY 'A' TO SLOPING CURB OVER 10'
3. SLOPING CURB. SEE SHEET D-3 SLOPING CURB DETAIL
4. CONSTRUCT ALL ISLAND MEDIAN NOSES PER S.D.D. 3.13
5. CURB RADII ARE TO THE FLOWLINE

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

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-PnP-SML-2.dgn DATE: 8/21/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. P-3
PLAN AND PROFILE	
RUSTLING BIRCH RD. CITY OF MADISON	
REV. 2014 10-27 BY JOHN SAPP	

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

LANDS

O.L. 2

DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT AND STORM SEWER

PLAT BOUNDARY

24"

POE 23+67.53

POB 50+00.00

50+00

51+00

23+68

51+15.77 PC

SUNSHINE LANE

22+98.98 PT

22+00

51+91.88 PT

52+00

5' ASPHALT TRANSITION

TYPE III BARRICADE

STA 52+71.89, LT 32.00'
1065.99 BW/END SIDEWALK

STA 52+71.89, LT 18.00'
1066.41 TC/END CURB

STA 52+71.89, RT 18.00'
1066.89 TC/END CURB

STA 52+71.89, RT 32.00'
1067.31 BW/END SIDEWALK

7" CONC. THROUGH FUTURE DRIVEWAY

STA 52+71.89, LT 32.00'
1067.41 BW/

1.5%

1.5%

5' CONC. SIDEWALK

TY 'A' CURB (TYPICAL)

53+00

RUSTLING BIRCH ROAD

54+00

1067.05 TC/

1067.18 TC/

1067.33 TC/

STA 54+11.55, RT 23.90'
1067.47 TC/MC

STA 53+97.37, RT 18.00'
1067.57 TC/HI POINT

5' CONC. SIDEWALK

POE 5+26.78

5+27

26'

INSTALL CURB CUTS FOR FUTURE ALLEY FROM STA 52+83 TO STA 53+08.

5+00

O.L. 7

STA 54+06.24, LT 32.00'
1067.85 BW/KEYSTONE

STA 54+65.44, LT 32.00'
1068.15 BW/KEYSTONE

STA 54+33.50, RT 16.00'
1067.37 CL/

POE 15+91.66

15+92

STA 54+69.37, RT 18.00'
1067.93 TC/PT

STA 54+55.27, RT 23.81'
1067.65 TC/MC

UNDERDRAIN

STA 54+01.24, RT 32.00'
1067.66 BW/KEYSTONE

STA 54+17.37, RT 38.13'
1067.36 TC/PT

STA 54+17.34, RT 41.55'
1067.34 TC/LO POINT

STA 54+17.26, RT 55.55'
1067.41 TC/END CURB

STA 54+33.34, RT 41.66'
1067.24 CL/

TYPE III BARRICADE

5' ASPHALT TRANS.
15+00

BLOOMING LEAF LANE

MATCHLINE STA 55+00.00

66'

55

15'

18'

18'

15'

77

16'

16'

STA 54+65.44, RT 32.00'
1066.84 BW/KEYSTONE

STA 54+49.37, RT 37.87'
1067.36 TC/PC

STA 54+49.34, RT 41.76'
1067.34 TC/LO POINT

STA 54+49.25, RT 55.76'
1067.41 TC/END CURB

STA 54+33.25, RT 55.65'
1067.31 CL/

101

102

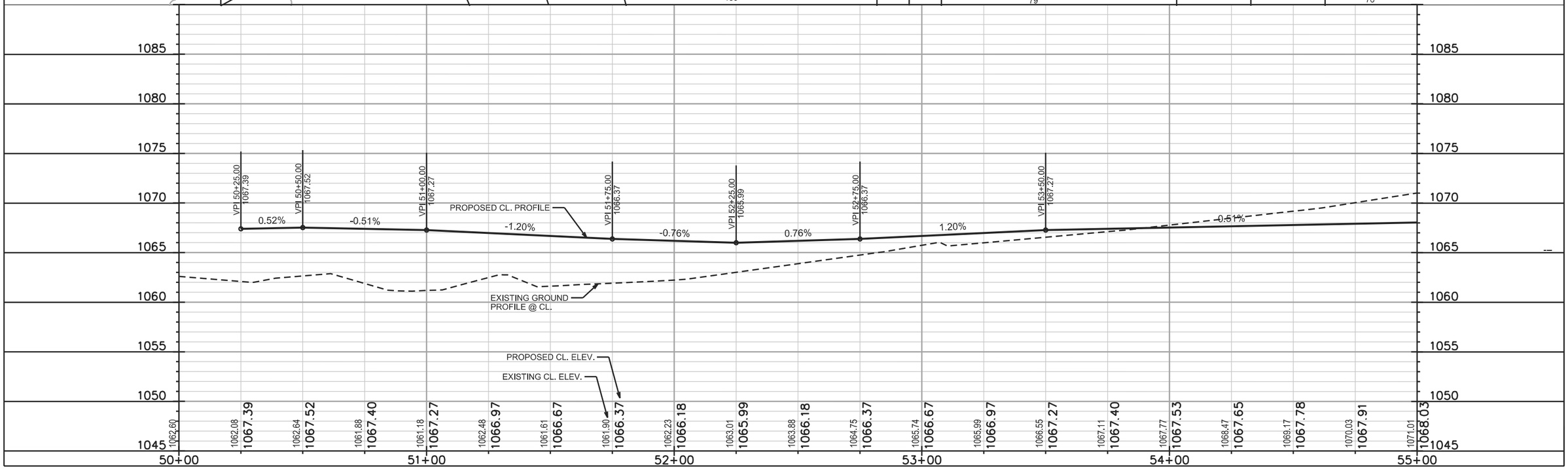
100

78

79

76

1



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DATE: 10/27/2014

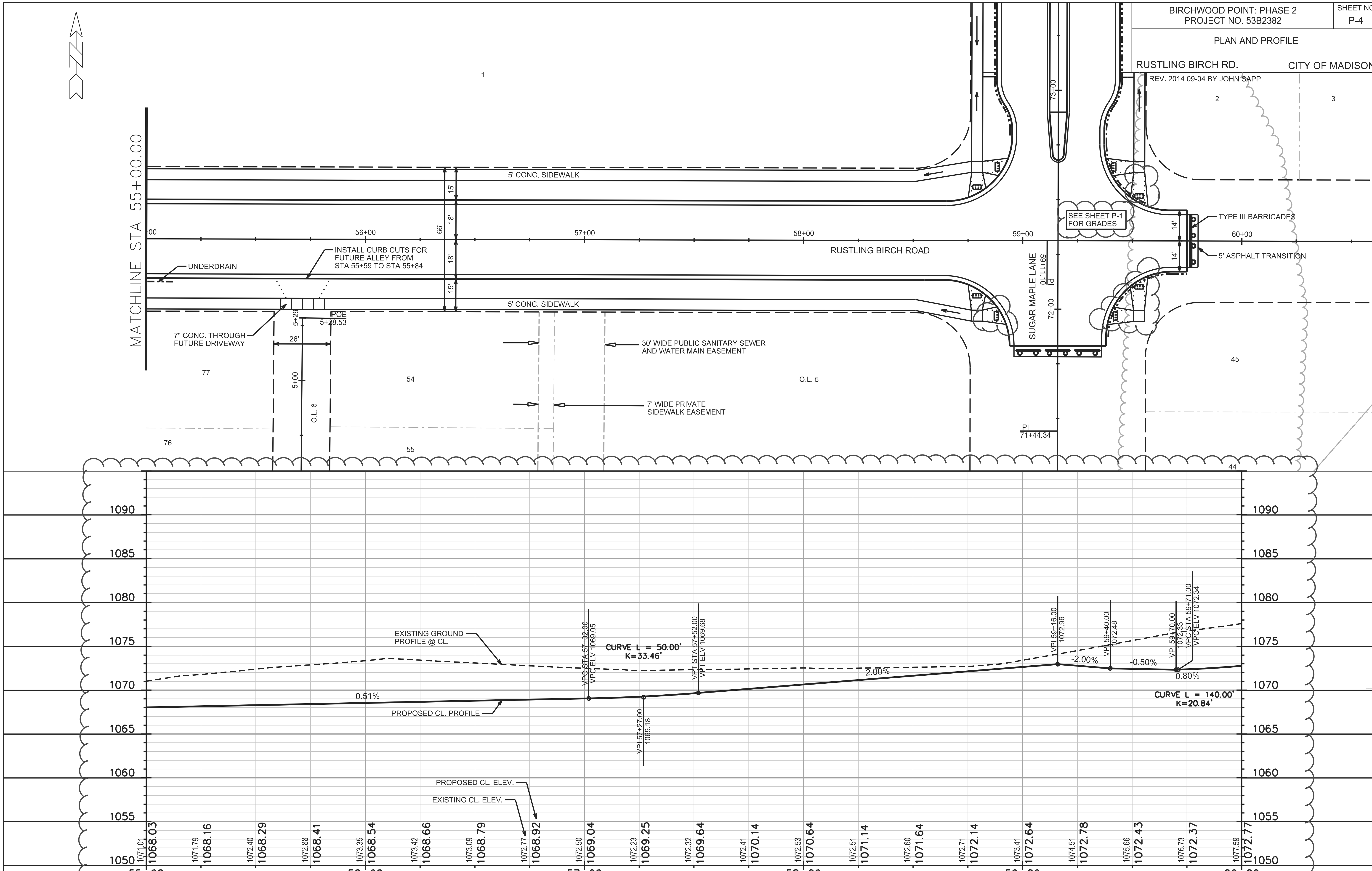
BIRCHWOOD POINT: PHASE 2
PROJECT NO. 53B2382

SHEET NO. P-4

PLAN AND PROFILE

RUSTLING BIRCH RD. — CITY OF MADISON

REV. 2014 09-04 BY JOHN SAPP



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-PnP-RBR-2.dgn

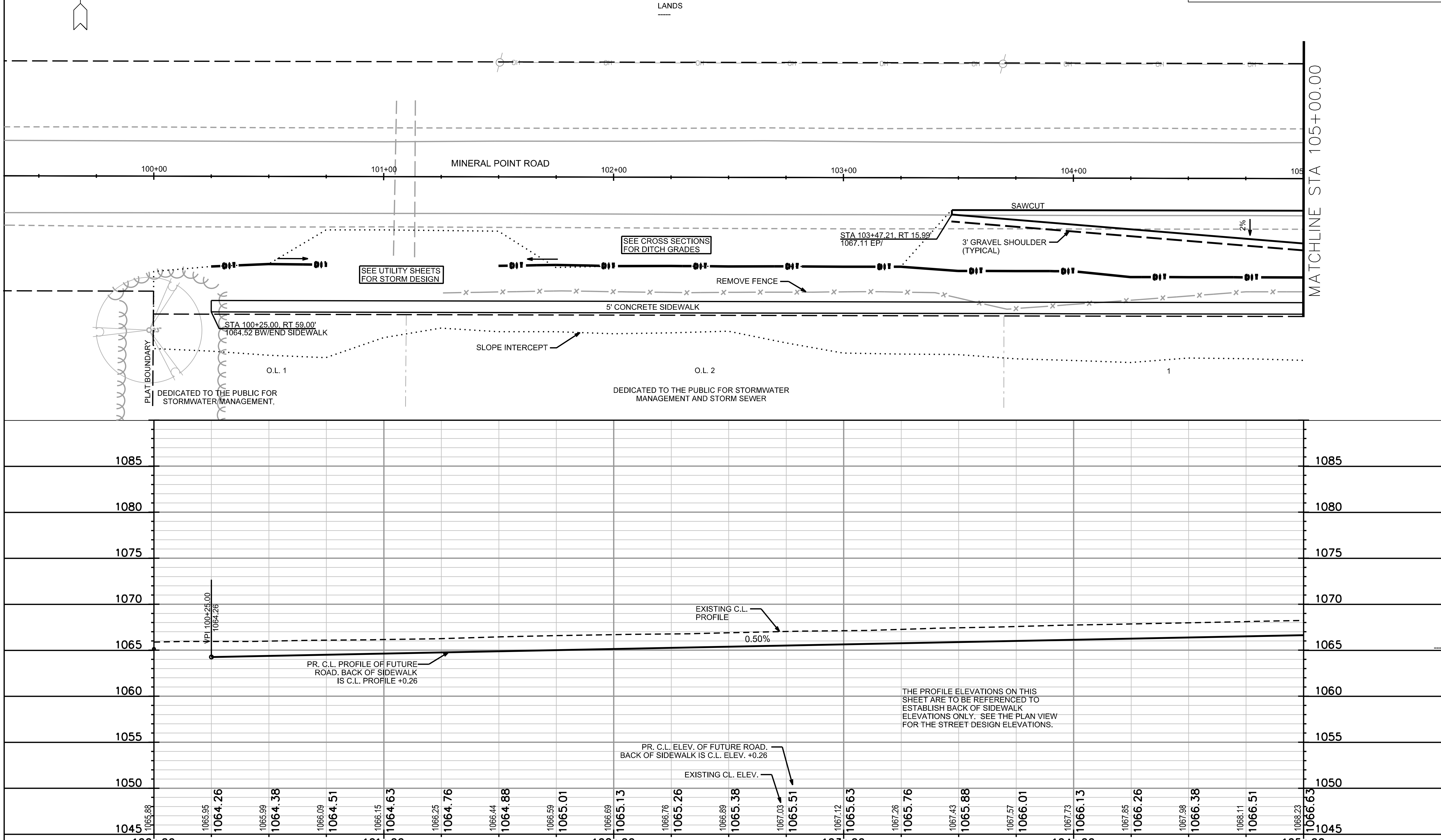
DATE: 9/4/2014

BIRCHWOOD POINT PHASE 2
PROJECT NO. 53B2382

SHEET NO. P-5

PLAN AND PROFILE

MINERAL POINT RD. CITY OF MADISON



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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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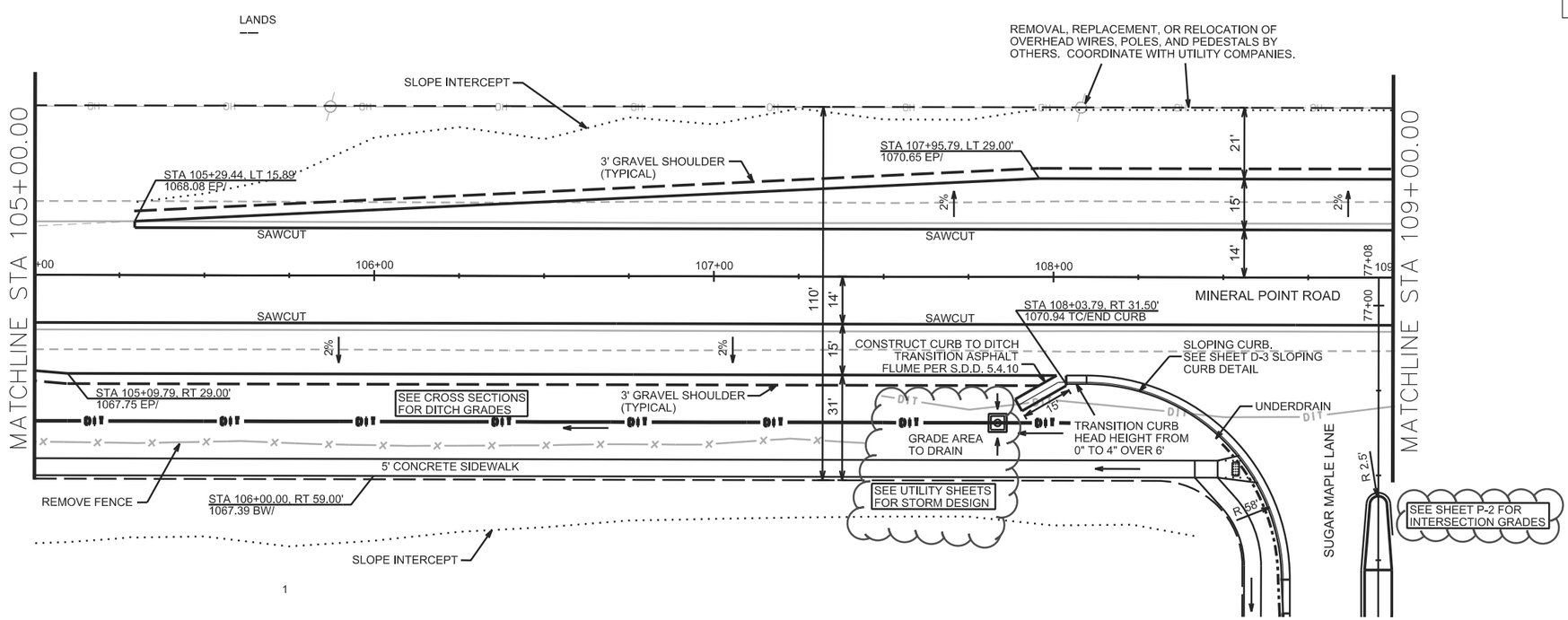
DATE: 8/20/2014

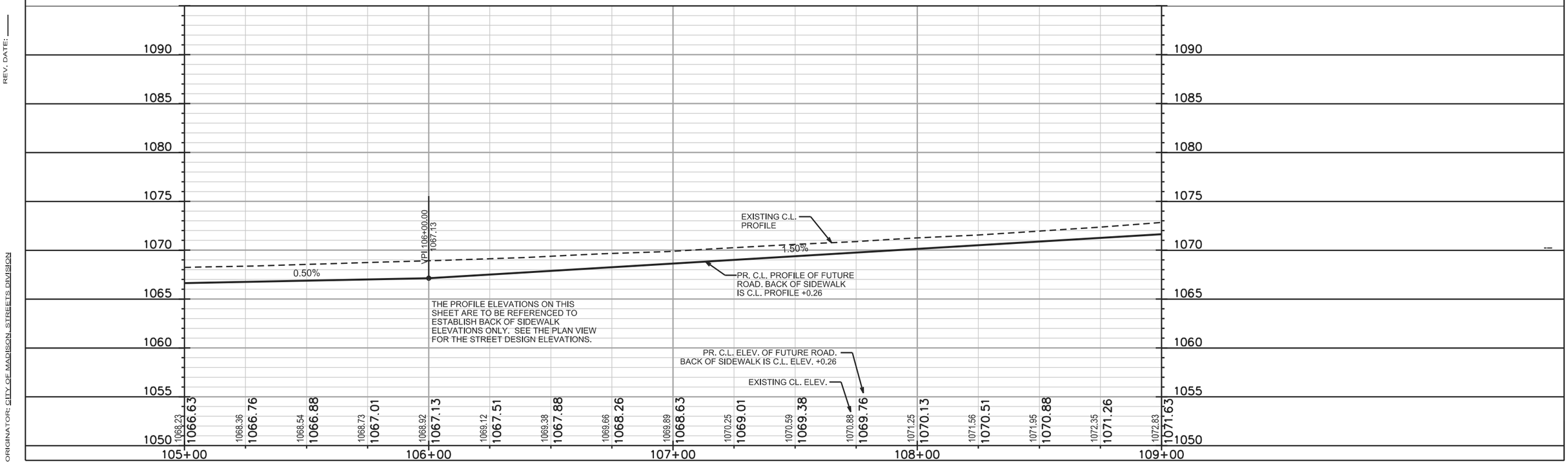
BIRCHWOOD POINT PHASE 2 PROJECT NO. 53B2382	SHEET NO. P-6
PLAN AND PROFILE	
MINERAL POINT RD. CITY OF MADISON	

REV. 2014 09-05 BY JOHN SAPP



NOTE:

CURB RADII ARE TO THE FLOWLINE



PLOT SCALE:

PLOT NAME:

REV. DATE:

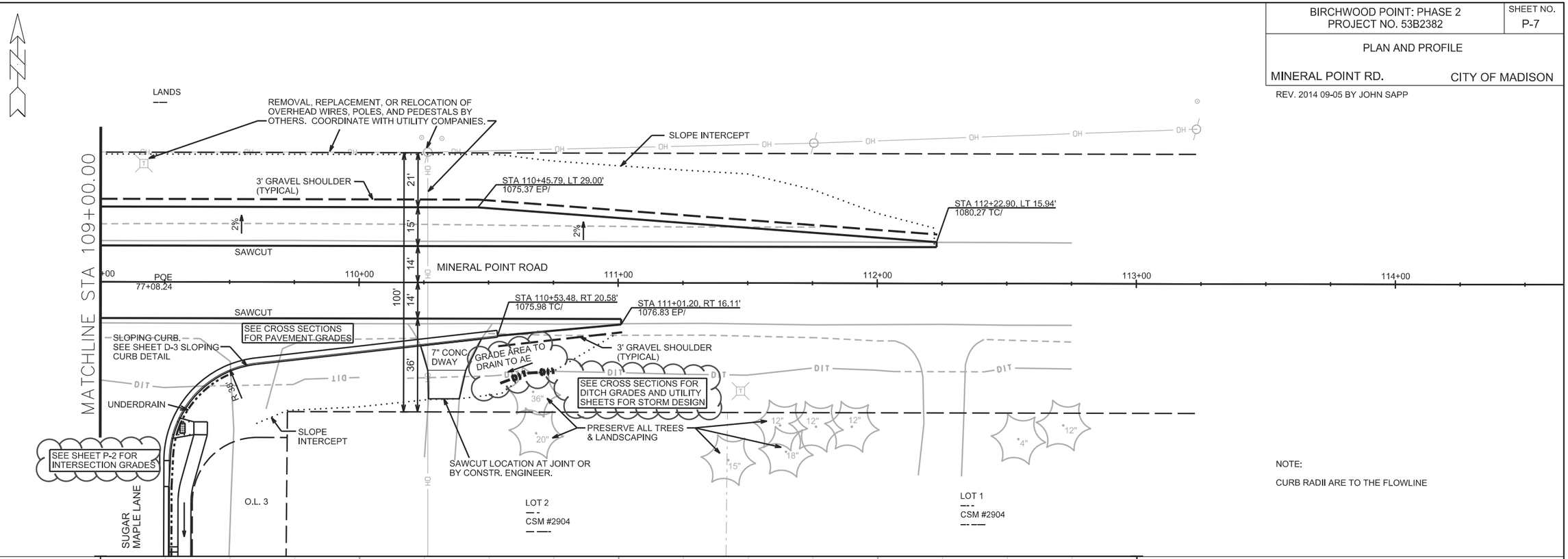
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

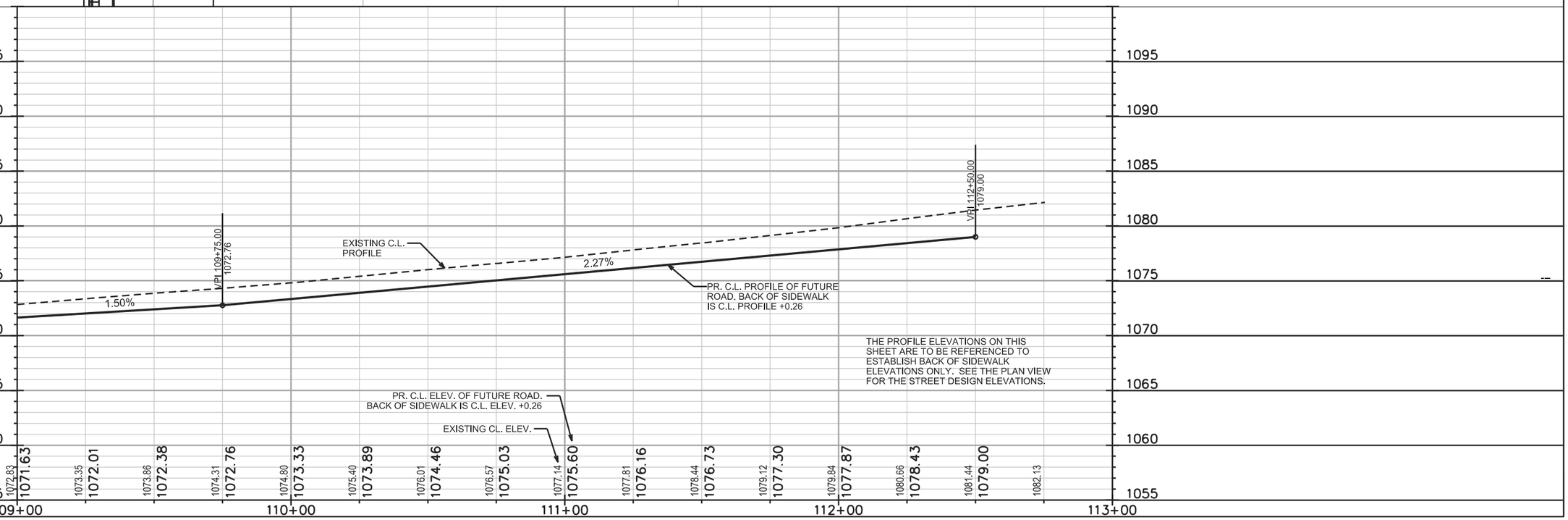
FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-PnP-MPR-2.dgn

DATE: 9/9/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. P-7
PLAN AND PROFILE	
MINERAL POINT RD. CITY OF MADISON	

REV. 2014 09-05 BY JOHN SAPP



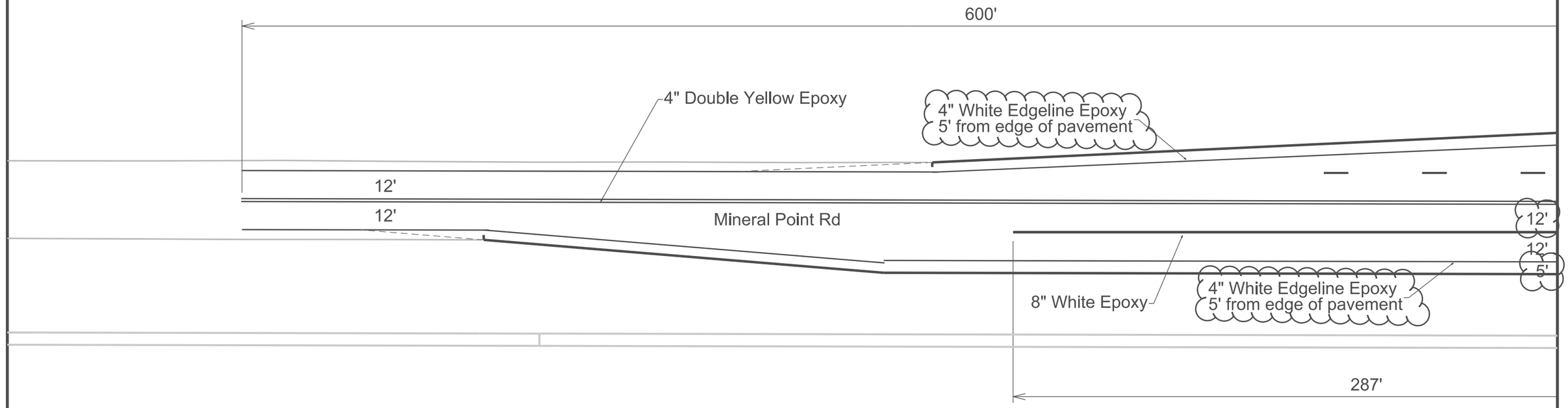


PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-PnP-MPR-3.dgn DATE: 9/9/2014

BIRCHWOOD POINT PHASE 2 PROJECT NO. 53B2382	SHEET NO. M-1
PAVEMENT MARKING PLAN	
MINERAL POINT ROAD	CITY OF MADISON

REV. 2014 09-04 BY TOM MOHR



PLOT SCALE:

PLOT NAME:

REV. DATE:

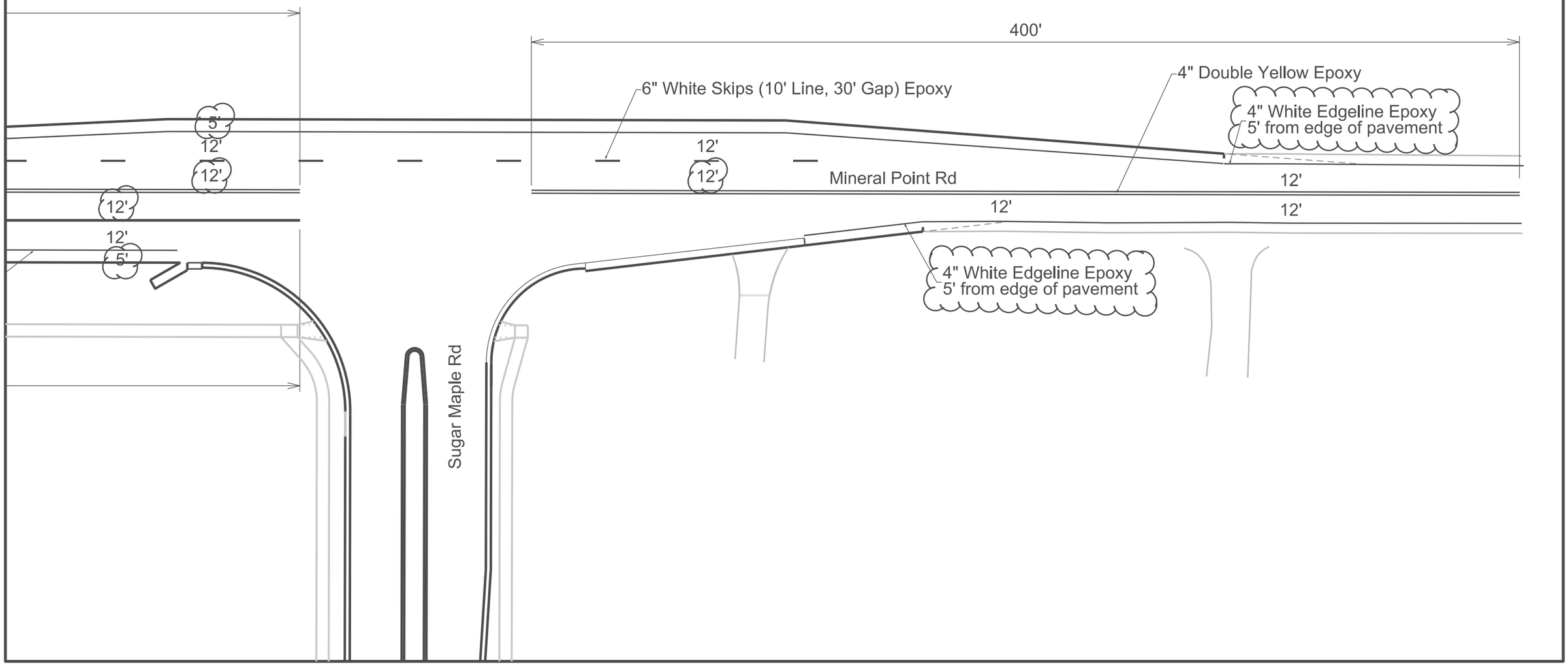
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

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

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

BIRCHWOOD POINT PHASE 2 PROJECT NO. 53B2382	SHEET NO. M-2
PAVEMENT MARKING PLAN	
MINERAL POINT ROAD	CITY OF MADISON

REV. 2014 09-04 BY TOM MOHR



PLOT SCALE:

PLOT NAME:

REV. DATE:

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

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

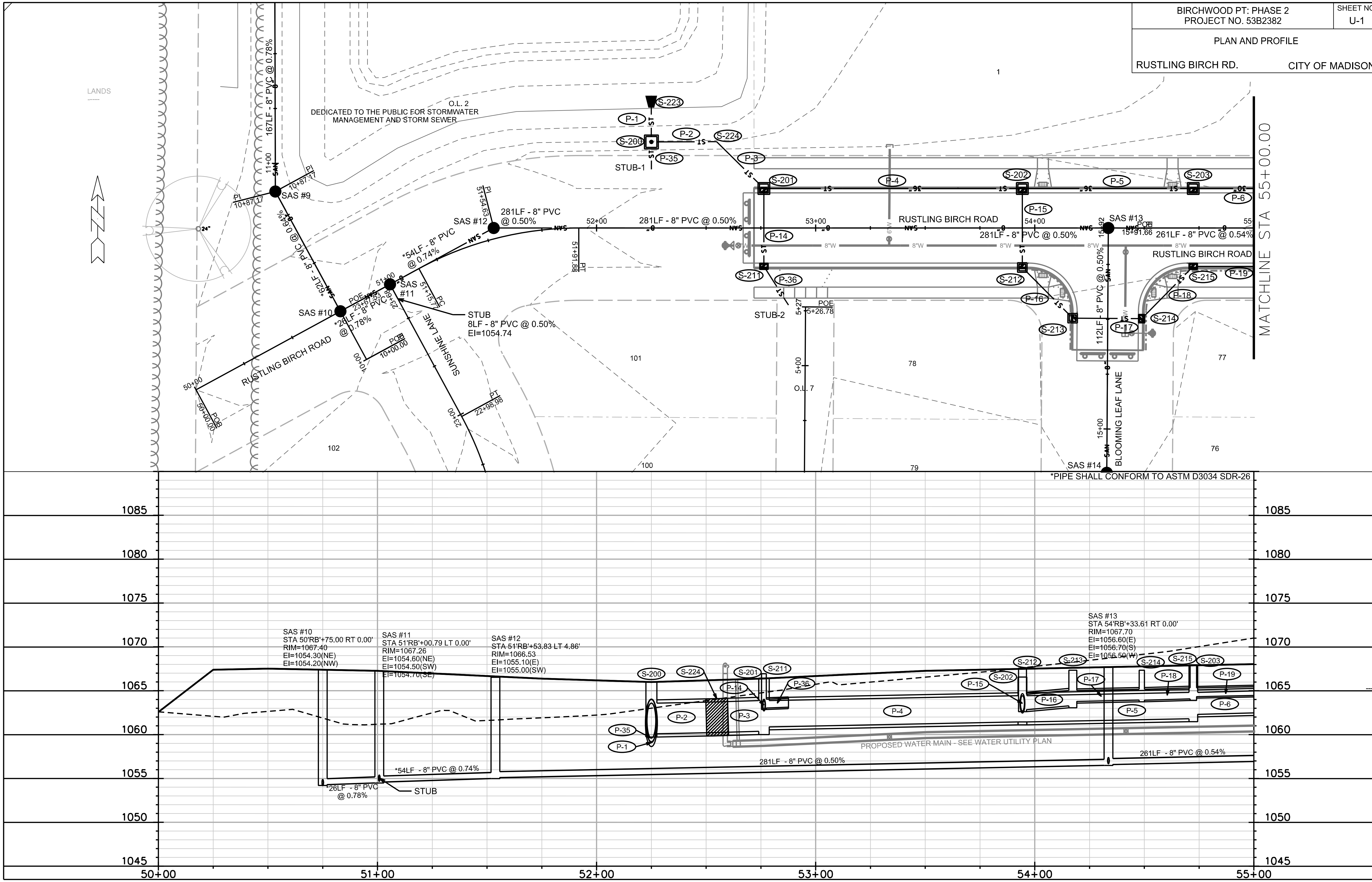
DATE: $$...plottingdate...$$

BIRCHWOOD PT: PHASE 2
PROJECT NO. 53B2382

SHEET NO.
U-1

PLAN AND PROFILE

RUSTLING BIRCH RD.
CITY OF MADISON



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

FILE NAME: M:\DESIGN\Projects\53B2382\Sanitary\Design\53B2382UTL-PnP-BD-1.dgn

DATE: 8/22/2014

BIRCHWOOD PT: PHASE 2
PROJECT NO. 53B2382

SHEET NO.
U-2

PLAN AND PROFILE

RUSTLING BIRCH RD. CITY OF MADISON

MATCHLINE STA 55+00.00

261LF - 8" PVC @ 0.54%

221LF - 8" PVC @ 0.86%

422LF - 8" PVC @ 0.40%

79LF - 8" PVC @ 1.27%

83LF - 8" PVC @ 3.21%

RUSTLING BIRCH ROAD

SUGAR MAPLE LANE

SAS #15

SAS #16

SAS #17

SAS #18

STUB-3

STUB-4

STUB
33LF - 8" PVC @ 0.50%
STA 56'BD'+94.61 RT 33.00'
EI=1058.37

STUB
8LF - 8" PVC @ 0.50%
EI=1062.14

STUB
8LF - 8" PVC @ 2.00%
EI=1065.25

30' WIDE PUBLIC SANITARY SEWER AND WATER MAIN EASEMENT

7' WIDE PRIVATE SIDEWALK EASEMENT

O.L. 5

O.L. 6

P-6 P-7 P-8 P-9 P-10 P-19 P-20 P-21 P-22 P-23 P-24 P-37 P-38

S-204 S-205 S-206 S-216 S-217 S-218 S-219 S-220 S-221 S-222

SAS #15
STA 56'RB'+94.64 LT 0.00'
RIM=1069.02
EI=1058.10(E)
EI=1058.00(W)

SAS #16
STA 59'RB'+16.10 LT 0.00'
RIM=1072.96
EI=1060.10(N)
EI=1061.00(E)
EI=1062.33(S)
EI=1060.00(W)

SAS #18
STA 59'RB'+94.88
RT 0.00'
RIM=1072.61
EI=1062.00(W)
EI=1062.10(E)

PROPOSED WATER MAIN - SEE WATER UTILITY PLAN

261LF - 8" PVC @ 0.54%

STUB

221LF - 8" PVC @ 0.86%

79LF - 8" PVC @ 1.27%

STUB
@ 0.5%

1090 1085 1080 1075 1070 1065 1060 1055 1050

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

PLOT SCALE:

PLOT NAME:

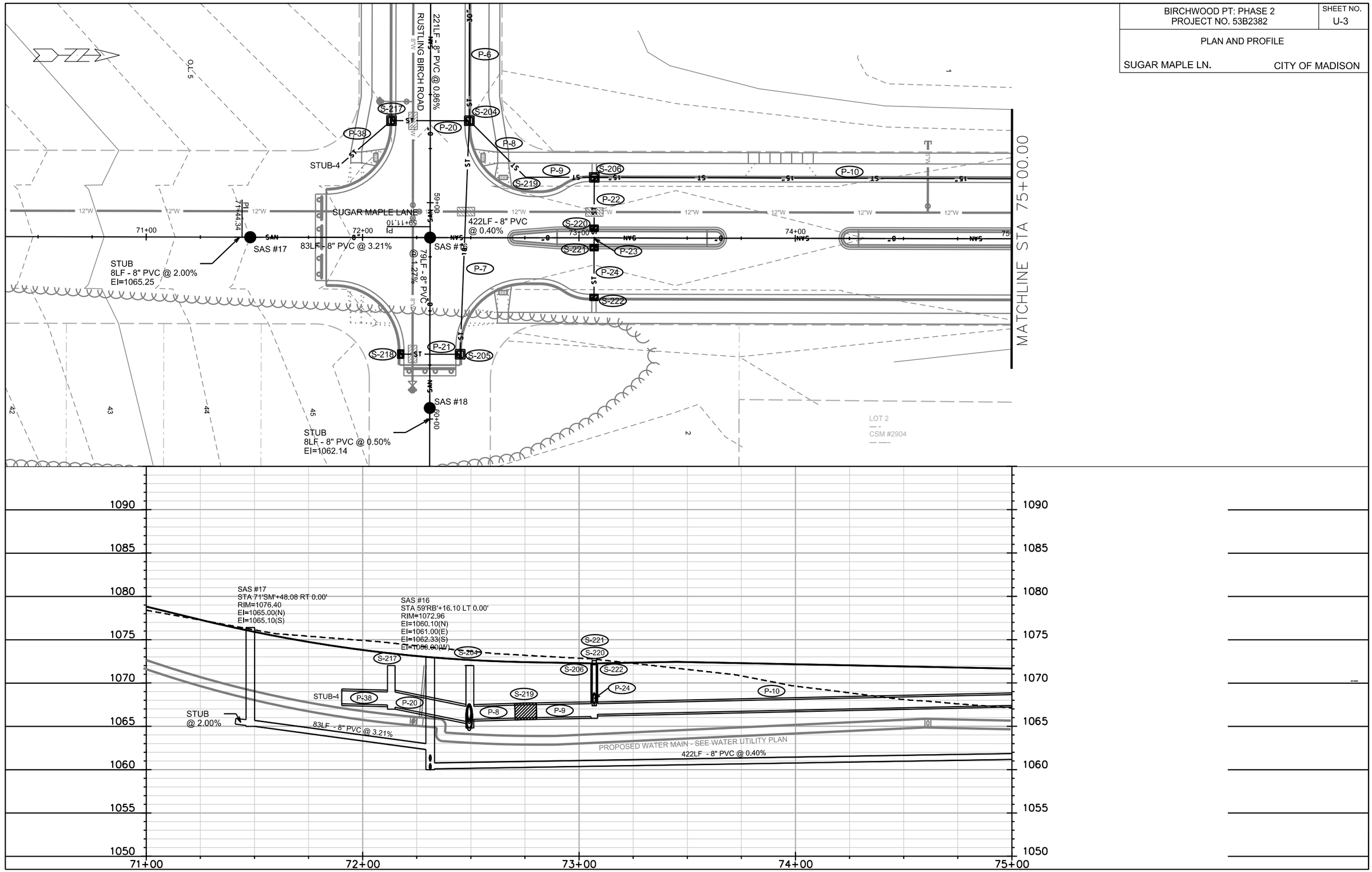
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Sanitary\Design\53B2382UTL-PnP-BD-2.dgn

DATE: 8/18/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. U-3
PLAN AND PROFILE	
SUGAR MAPLE LN.	CITY OF MADISON



PLOT SCALE: ——

PLOT NAME: ——

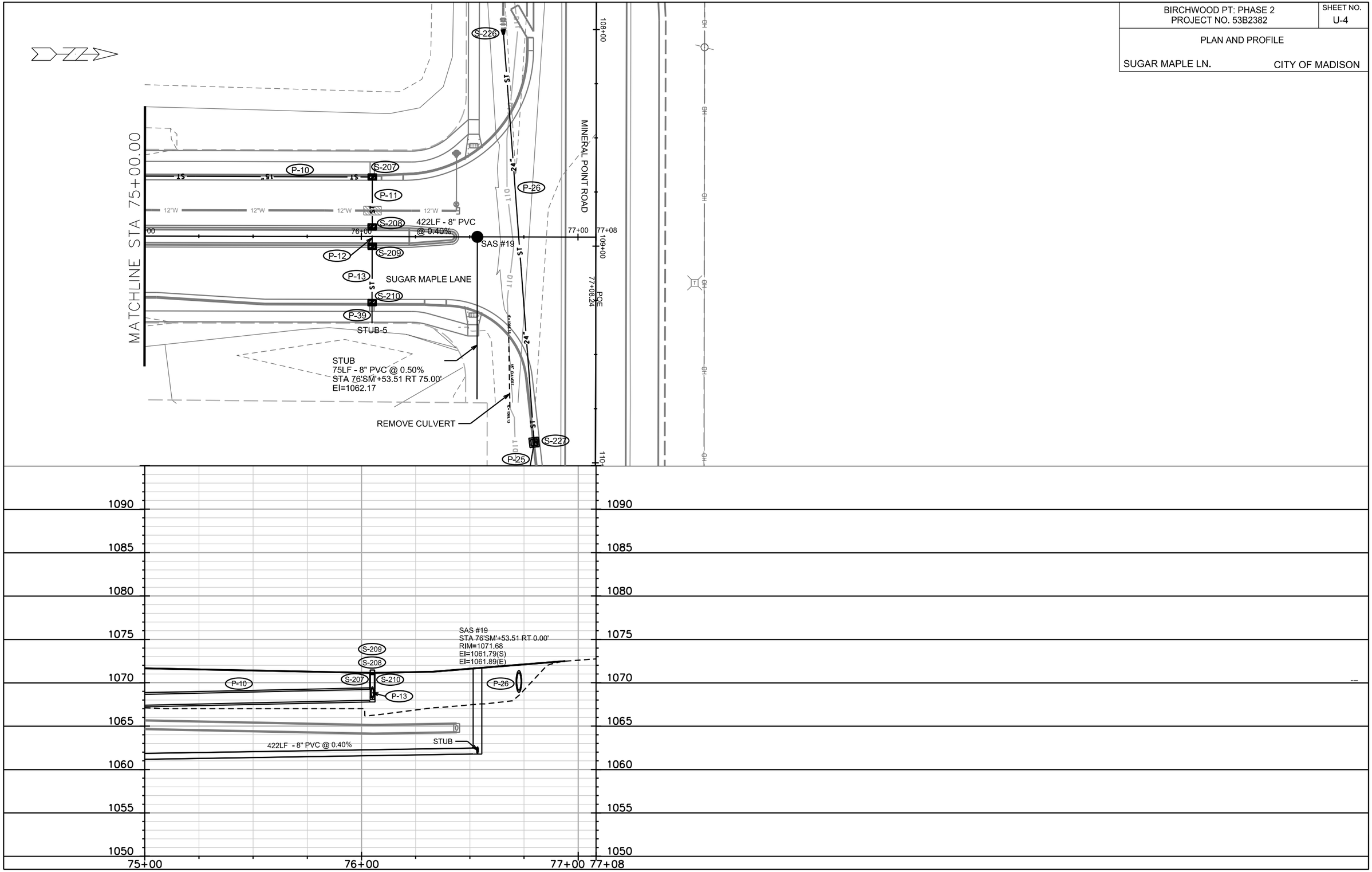
REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Sanitary\Design\53B2382UTL-PnP-SML-1.dgn

DATE: 8/18/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. U-4
PLAN AND PROFILE	
SUGAR MAPLE LN.	CITY OF MADISON



PLOT SCALE: ____

PLOT NAME: ____

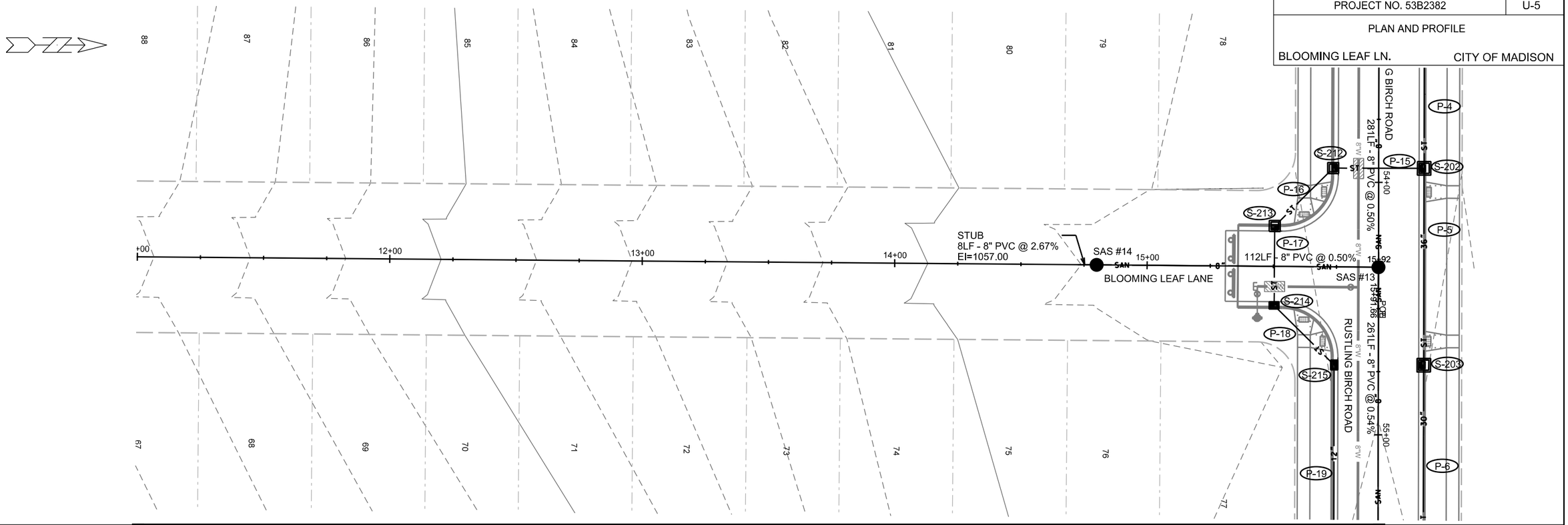
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Sanitary\Design\53B2382UTL-PnP-SML-2.dgn

DATE: 8/21/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. U-5
PLAN AND PROFILE	
BLOOMING LEAF LN.	CITY OF MADISON



PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Sanitary\Design\53B2382UTL-PnP-BL.dgn

DATE: 8/18/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. U-6
PLAN AND PROFILE	
SANITARY EASEMENT	CITY OF MADISON

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

RUSTLING BIRCH ROAD
SUNSHINE LANE
STUB
8LF - 8" PVC @ 0.50%
EI=1054.74
SAS #10
SAS #9
SAS #11
SAS #12
SAS #20
*62LF - 8" PVC @ 0.64%
167LF - 8" PVC @ 0.78%
*28LF - 8" PVC @ 0.78%
*54LF - 8" PVC @ 0.74%
281LF - 8" PVC @ 0.50%
41LF - 8" PVC @ 0.73%
PROPOSED 21" PVC SEE PROJECT NO. 53W1299
20' PUBLIC SANITARY EASEMENT
ESTM DOC 4417500
PROPOSED SAS - SEE CITY OF MADISON PROJECT 53W1299
STA 12'SAN'+95.38 RT 0.00
RIM = 1059.65
EI= 1042.27(SW)(21")
EI= 1042.32(N)(21")
EI= 1045.00(S)(8")
TAP MANHOLE (PROJECT NO. 53W1299)
INSTALL OUTSIDE DROP INLET STRUCTURE PER
CITY OF MADISON S.D.D. 5.7.1
DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT AND STORM SEWER
O.L. 2
PLAT BOUNDARY
LANDS

SAS #10
STA 50'RB'+75.00 RT 0.00'
RIM=1067.40
EI=1054.30(NE)
EI=1054.20(NW)

SAS #9
STA 10'EAS'+87.17 RT 0.00'
RIM=1062.50
EI=1053.80(SE)
EI=1053.70(N)

SAS #20
STA 12'EAS'+54.28 RT 0.00'
RIM=1062.50
EI=1052.40(S)
EI=1052.30(NW)

PROPOSED SAS
SEE CITY OF MADISON
PROJECT NO. 53W1299
RIM=1059.65
EI=1042.32(NE) (21")
EI=1052.00(SE) (8")
EI=1042.27(SW) (21")

*62LF - 8" PVC @ 0.64%
167LF - 8" PVC @ 0.78%
41LF - 8" PVC @ 0.73%

TAP MANHOLE (PROJECT NO. 53W1299)
INSTALL OUTSIDE DROP INLET STRUCTURE
PER CITY OF MADISON S.D.D. 5.7.1

1080 1075 1070 1065 1060 1055 1050 1045 1040
10+00 11+00 12+00 13+00 13+18

FILE NAME: M:\DESIGN\Projects\53B2382\Sanitary\Design\53B2382UTL-PnP-EAS.dgn
DATE: 8/20/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. U-7
PLAN AND PROFILE	
MINERAL POINT RD.	CITY OF MADISON

REV. 2014 10-27 BY LAUREN STRIEGL

PROPOSED 21" SANITARY MANHOLE
SEE CITY OF MADISON PROJECT
NO. 53W1299

EXISTING 55"X73" CMP CULVERTS

PROPOSED 21" SANITARY MAIN
SEE CITY OF MADISON PROJECT
NO. 53W1299

W. MINERAL POINT RD

100+00 101+00 102+00 103+00 104+00 105

MATCHLINE STA 105+00.00

S-228 S-231 S-234 P-31 P-32 S-236 P-27 P-29 S-237 S-232 S-235 S-229

PROPOSED SANITARY MANHOLE.
SEE CITY OF MADISON PROJECT
NO. 53W1299

P-28 P-30 S-230 S-233

O.L. 1

O.L. 2

PLAT BOUNDARY

DEDICATED TO THE PUBLIC FOR
STORMWATER MANAGEMENT,
GREENWAY, SANITARY SEWER
AND PEDESTRIAN/BIKE ACCESS

PROPOSED 21" SANITARY MAIN,
SEE CITY OF MADISON PROJECT
NO. 53W1299

DEDICATED TO THE PUBLIC FOR STORMWATER
MANAGEMENT AND STORM SEWER

GRADE DITCH TO
MATCH PIPE
INVERTS

S-239 P-33 S-238 P-34 S-241 S-240

EXISTING 55"X73" PIPE-ARCH
CMP CULVERTS

S-234 S-236 S-237 S-235 P-31 P-32 P-27 P-29

PROPOSED SANITARY MANHOLE
SEE CITY OF MADISON PROJECT
NO. 53W1299

PROPOSED SANITARY MAIN
SEE CITY OF MADISON PROJECT
NO. 53W1299

1070 1065 1060 1055 1050 1045 1040

100+00 101+00 102+00 103+00 104+00 105+00

PLOT SCALE:

PLOT NAME:

REV. DATE:

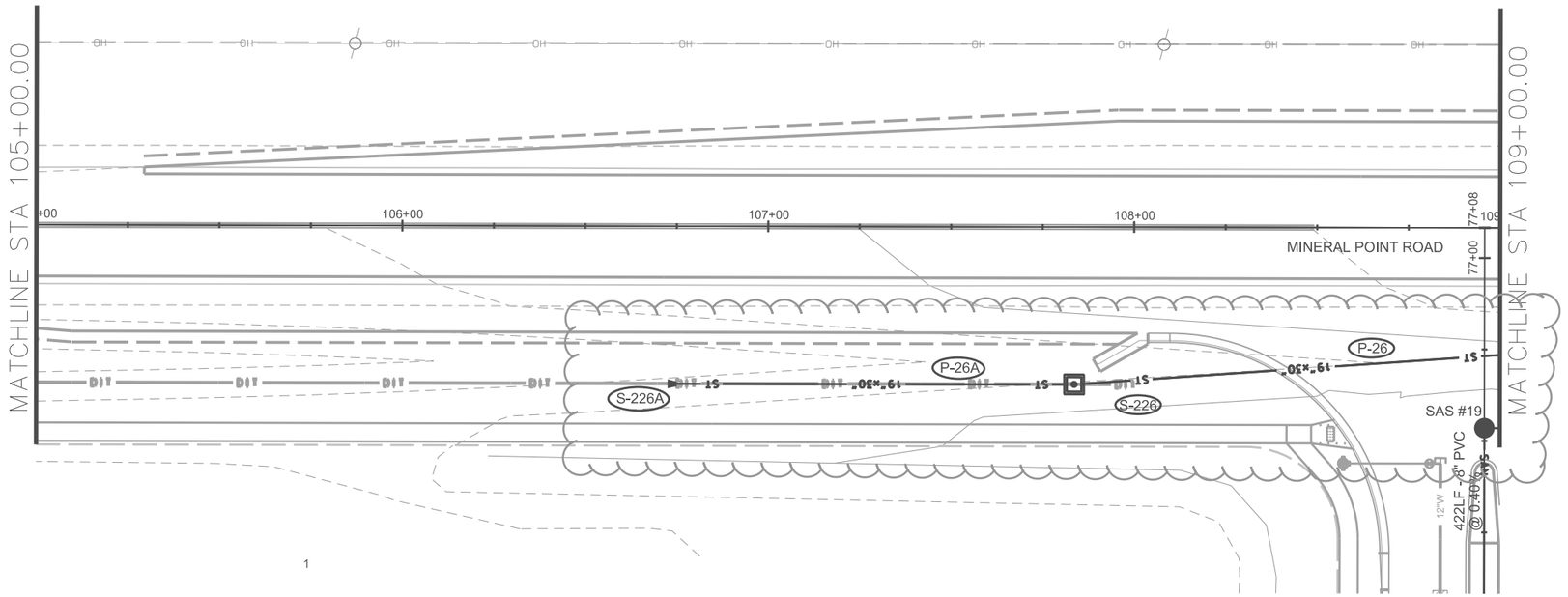
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

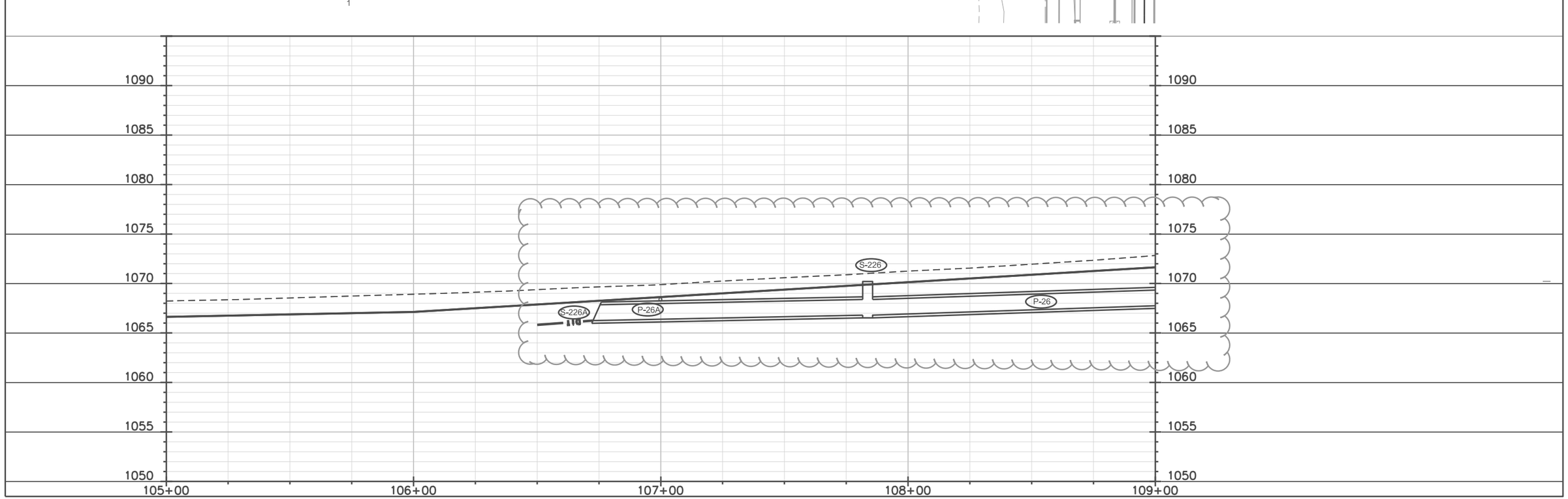
FILE NAME: M:\DESIGN\Projects\53B2382\Sanitary\Design\53B2382UTL-MPR-1.dgn

DATE: 10/27/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. U-8
PLAN AND PROFILE	
MINERAL POINT RD.	CITY OF MADISON

REV. 09/05/2014 ELD



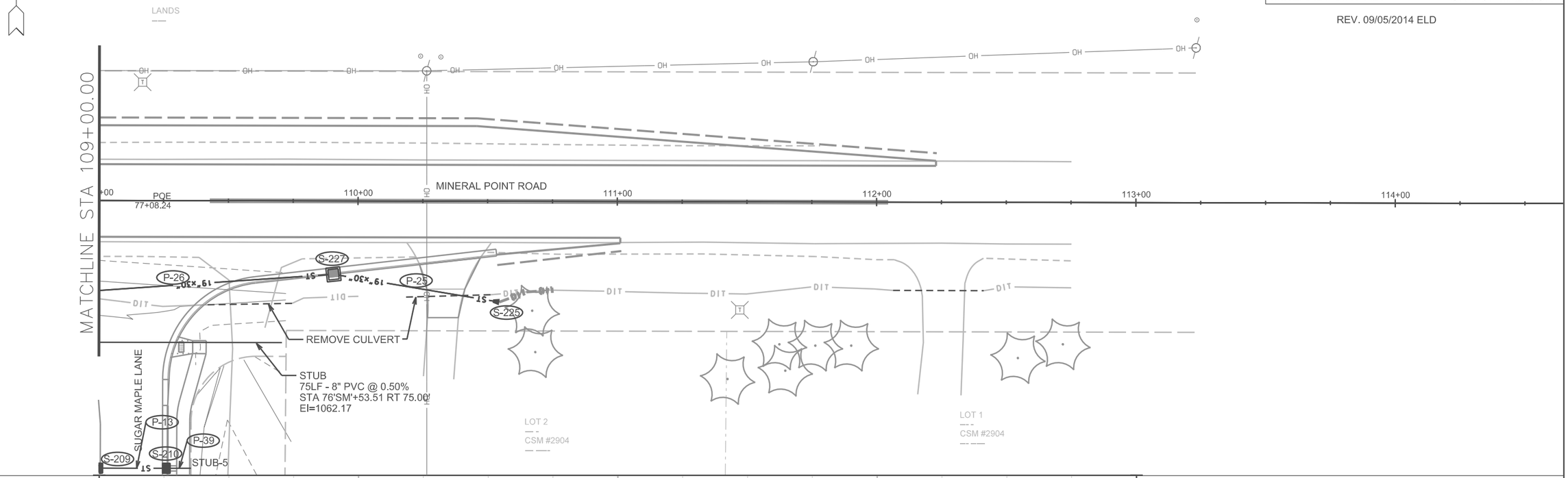


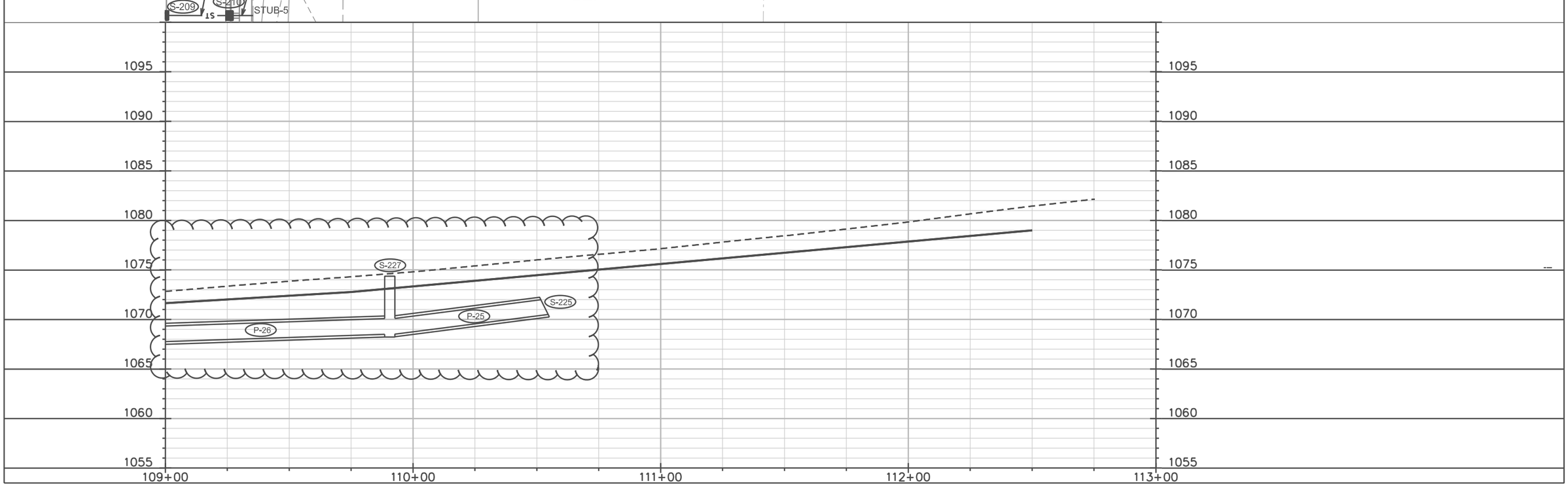
PLOT SCALE: ——
PLOT NAME: ——
REV. DATE: ——
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Sanitary\Design\53B2382UTL-MPR-2.dgn DATE: 9/8/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. U-9
PLAN AND PROFILE	
MINERAL POINT RD. CITY OF MADISON	

REV. 09/05/2014 ELD

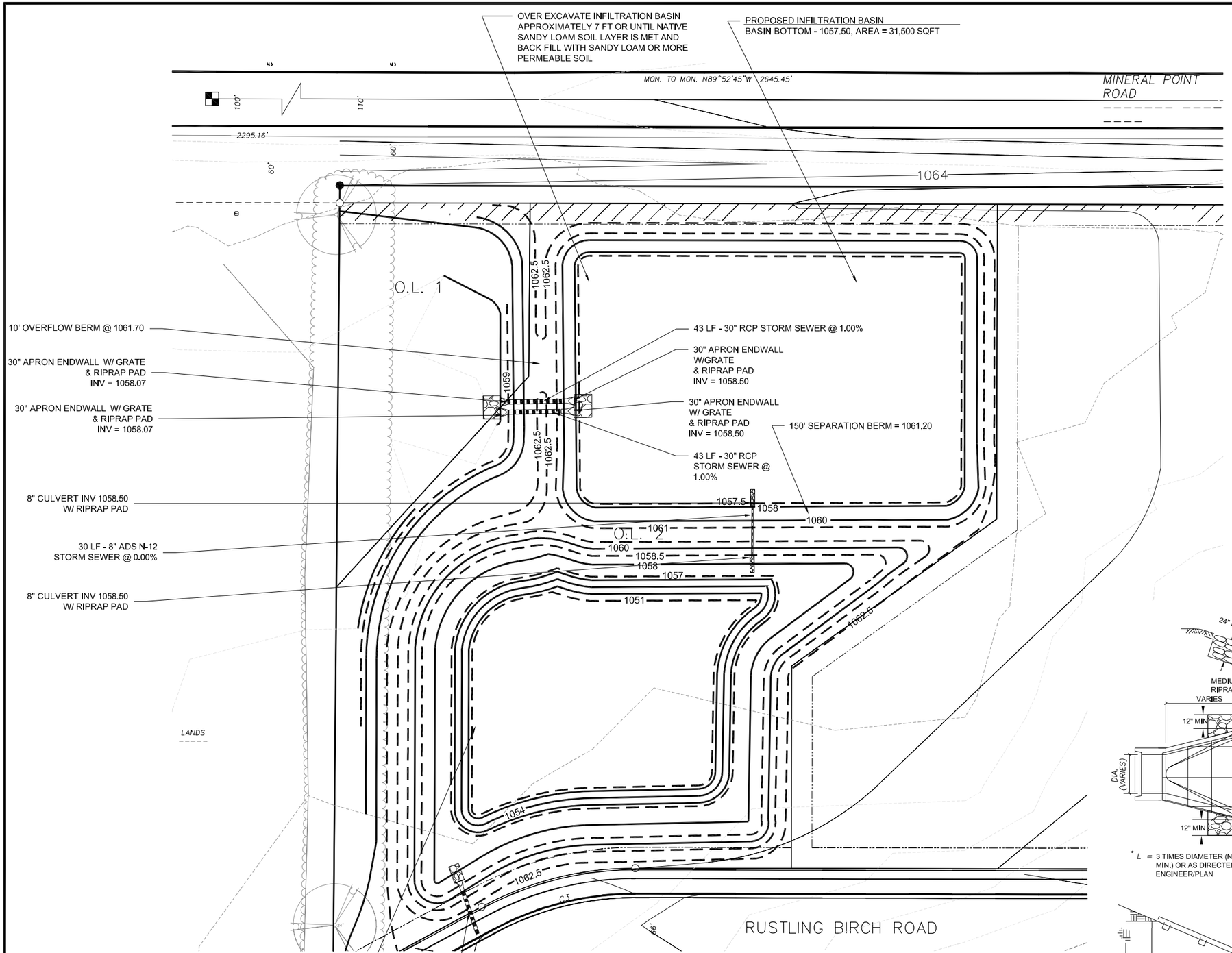




PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Sanitary\Design\53B2382UTL-MPR-3.dgn

DATE: 9/8/2014



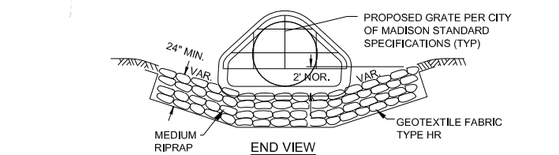
PLAN VIEW

PROPOSED NORTH WET DETENTION/INFILTRATION BASIN DETAIL

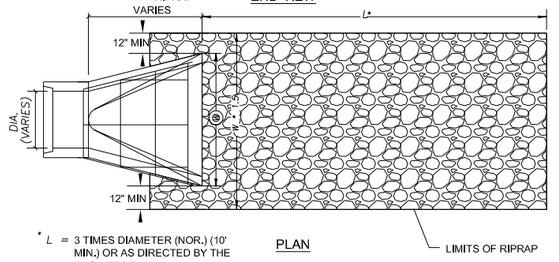
GENERAL NOTES:

1. ALL SITE WORK AND MATERIALS SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS.
2. EROSION CONTROL MEASURES SHALL BE PLACED PER THE APPROVED EROSION CONTROL PLAN.
3. LENGTHS OF CULVERTS INCLUDE ENDWALLS.
4. CULVERT LENGTHS SHALL BE FFIELD VERIFIED DURING CONSTRUCTION TO ENSURE THAT THEY ARE LONG ENOUGH TO CONFORM TO TYPICAL CROSS SECTION.
5. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" OF TOPSOIL, FERTILIZER, SEED AND MULCH. SEED MIXTURE SHALL BE WISCONSIN DOT SEED MIX #40 OR EQUIVALENT APPLIED AT A RATE OF 5 POUNDS PER 100 SQFT ON ALL DISTURBED AREAS. ANNUAL RYEGRASS AT A RATE OF 1 1/2 POUNDS PER 1000 SQFT SHALL BE ADDED TO THE THE MIXTURE. FERTILIZER SHALL BE PLACED PER A SOIL TEST. THE INFILTRATION AREA SHALL BE SEEDED WITH A SEED MIX TOLERAT OF FLUCTUATING WATER CONDITIONS.
6. ENGINEERED SOIL IN INFILTRATION BASIN SHALL BE 70-85% SAND & 15-30% COMPOST
7. SEE APPROVED ENGINEERING PLANS FOR SITE STORM SEWER TYPE, LENGTHS, AND SIZES
8. A CERTIFIED SOIL INSPECTOR SHALL CERTIFY THAT THE PROPOSED SOILS TO BE USED FOR THE INFILTRATION BASIN BACKFILL LAYER HAS A MINIMUM INFILTRATION RATE OF 0.5 IN/HR PRIOR TO BACKFILLING. CLEAN SAND OR CLEAR STONE MAY BE USED AS AN ALTERNATIVE BACKFILL MATERIAL.

WISCONSIN
GRANT V. POKOS
E-37830
MADISON
WI
10/28/14
PROFESSIONAL ENGINEER

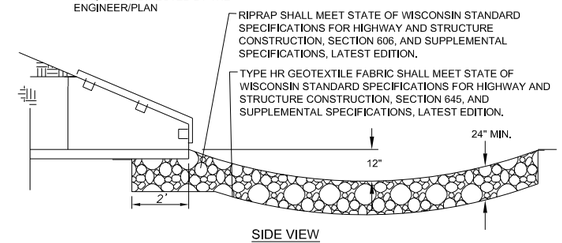


END VIEW



* L = 3 TIMES DIAMETER (NOR.) (10' MIN.) OR AS DIRECTED BY THE ENGINEER/PLAN

PLAN



SIDE VIEW

RIP-RAP PAD

NOT TO SCALE

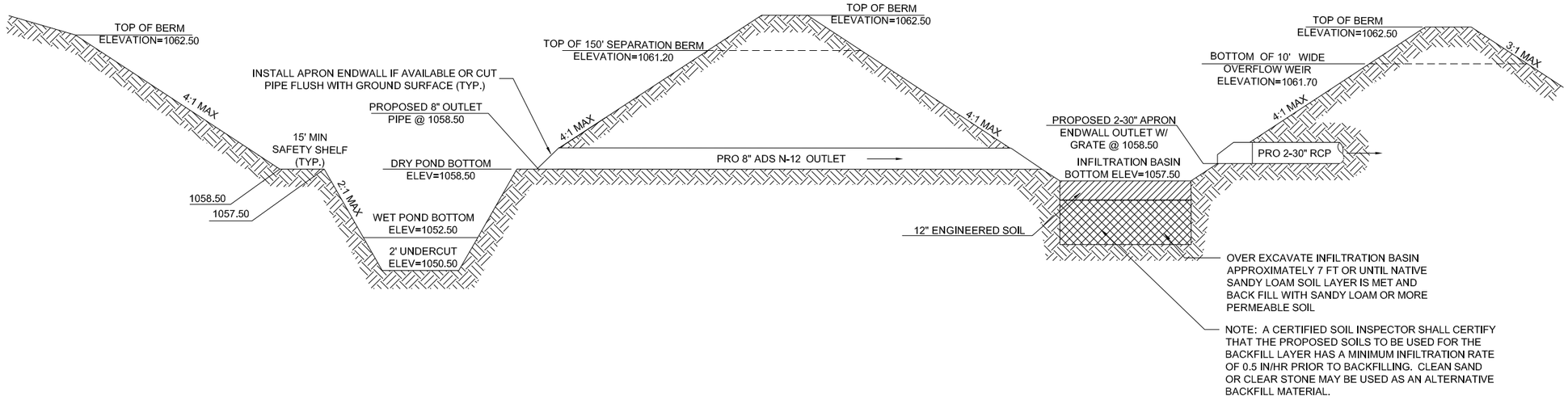
D'ONOFRIO KOTTKE AND ASSOCIATES, INC.
7530 Westward Way, Madison, WI 53717
Phone: 608.833.7530 • Fax: 608.833.1089
YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

PROPOSED NORTH DETENTION/INFILTRATION BASIN DETAIL - OUTLOT 2
PLAN VIEW
BIRCHWOOD POINT
CITY OF MADISON, WISCONSIN

0 30'

DATE: 03-21-14
REVISED:
10/28/14 OUTLET LOCATION

DRAWN BY: GVP
FN: 13-05-145
Sheet Number:
1 OF 2



PROFILE VIEW

PROPOSED NORTH WET DETENTION/INFILTRATION BASIN DETAIL

NOT TO SCALE

WISCONSIN
GRANT V. POKOS
E-37878
MADISON
WI
11/28/14
PROFESSIONAL ENGINEER

D'ONOFRIO KOTTKE AND ASSOCIATES, INC.
7530 Westward Way, Madison, WI 53717
Phone: 608.833.7530 • Fax: 608.833.1089
YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

PROPOSED NORTH DETENTION/INFILTRATION BASIN DETAIL - OUTLOT 2
CROSS SECTION

BIRCHWOOD POINT

CITY OF MADISON, WISCONSIN

DATE: 03-21-14
REVISED:

DRAWN BY: GVP
FN: 13-05-145
Sheet Number:
2 OF 2

SANITARY SCHEDULE

ALIGNMENT CODES:

'RB' - RUSTLING BIRCH DRIVE
'SM'- SUGAR MAPLE LANE
'BL'- BLOOMING LEAF WAY
'EAS'- SANITARY EASEMENT

BIRCHWOOD PT: PHASE 2	SHEET NO.
PROJECT NO. 53B2382	U-12
SANITARY SEWER SCHEDULE	CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#9	10'EAS'+87.17	RT-0.00	1062.50	1053.70	8.80	
SAS#10	50'RB'+75.00	RT-0.00	1067.40	1054.20	13.20	
SAS#11	51'RB'+00.79	LT-0.00	1067.26	1054.50	12.76	
SAS#12	51'RB'+53.83	LT-4.86	1066.53	1055.00	11.53	
SAS#13	54'RB'+33.61	RT-0.00	1067.70	1056.50	11.20	
SAS#14	14'BL'+80.00	RT-0.00	1067.99	1057.26	10.73	
SAS#15	56'RB'+94.61	LT-0.00	1069.02	1058.00	11.02	
SAS#16	59'RB'+16.10	LT-0.00	1072.96	1060.00	12.96	
SAS#17	71'SM'+48.08	RT-0.00	1076.40	1065.00	11.40	
SAS#18	59'RB'+94.88	RT-0.00	1072.61	1062.00	10.61	
SAS#19	76'SM'+53.51	RT-0.00	1071.68	1061.79	9.89	
SAS#20	12'EAS'+54.28	RT-0.00	1062.50	1052.30	10.20	

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
PROPOSED SAS	SAS#20	1052.00	1052.30	41	0.73%	8"	SDR-35	
SAS#20	SAS#9	1052.40	1053.70	167	0.78%	8"	SDR-35	
SAS#9	SAS#10	1053.80	1054.20	62	0.64%	8"	SDR-26	
SAS#10	SAS#11	1054.30	1054.50	26	0.78%	8"	SDR-26	
SAS#11	SAS#12	1054.60	1055.00	54	0.74%	8"	SDR-26	
SAS#12	SAS#13	1055.10	1056.50	281	0.50%	8"	SDR-35	
SAS#13	SAS#14	1056.70	1057.26	112	0.50%	8"	SDR-35	
SAS#13	SAS#15	1056.60	1058.00	261	0.54%	8"	SDR-35	
SAS#15	SAS#16	1058.10	1060.00	221	0.86%	8"	SDR-35	
SAS#16	SAS#17	1062.33	1065.00	83	3.21%	8"	SDR-35	
SAS#16	SAS#18	1061.00	1062.00	79	1.27%	8"	SDR-35	
SAS#16	SAS#19	1060.10	1061.79	422	0.40%	8"	SDR-35	

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

FILE NAME: M:\DESIGN\PROJECTS\53B2382\SANITARY\DOCUMENTS\MISC\SANITARY SCHEDUL

DATE: 08/18/2014

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'RB' - RUSTLING BIRCH ROAD
'SM'- SUGAR MAPLE LANE
'BL'- BLOOMING LEAF WAY
'SL'- SUNSHINE LANE
'ST'- STORMWATER DISCHARGE
'MP'- MINERAL POINT

BIRCHWOOD PT: PHASE 2	SHEET NO.
PROJECT NO. 53B2382	U-13
STORM SEWER SCHEDULE	CITY OF MADISON

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

PROPOSED STORM STRUCTURES

	STRUC NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
	S-200	52'RB'+25.00	LT-39.21	5X5 SAS	1066.00	1059.09	6.91	FP; W/ R-1550-0054
	S-201	52'RB'+76.39	LT-18.00	4X4 SAS	1066.43	1060.37	6.06	FP; W/ R-3067-7004-V
	S-202	53'RB'+94.37	LT-18.00	4X4 SAS	1066.56	1061.44	5.12	FP; W/ R-3067-7004-V
	S-203	54'RB'+72.37	LT-18.00	4X4 SAS	1067.95	1061.81	6.14	W/ R-3067-7004-V
	S-204	58'RB'+62.11	LT-18.00	3X3 SAS	1072.00	1064.80	7.20	W/ R-3067-7004-V
	S-205	59'RB'+70.00	LT-14.00	3X3 SAS	1072.47	1066.32	6.15	W/ R-3067-7004-V
	S-206	73'SM'+07.00	LT-28.00	3X3 SAS	1072.11	1066.12	5.99	W/ R-3067-7004-V
	S-207	76'SM'+05.00	LT-27.50	H INLET	1070.99	1067.97	3.02	FP; W/ R-3067-7004-V
	S-208	76'SM'+05.00	LT-4.50	H INLET	1071.47	1068.33	3.14	W/ R-3067-7004-V
	S-209	76'SM'+05.00	RT-4.50	H INLET	1071.47	1068.36	3.11	W/ R-3067-7004-V
	S-210	76'SM'+05.00	RT-30.50	H INLET	1070.93	1068.48	2.45	FP; W/ R-3067-7004-V
	S-211	52'RB'+76.39	RT-17.50	H INLET	1066.93	1063.03	3.90	W/ R-3067-7004-V
	S-212	53'RB'+94.37	RT-18.00	3X3 SAS	1067.56	1062.85	4.71	FP; W/ R-3067-7004-V
	S-213	15'BL'+50.43	LT-16.00	3X3 SAS	1067.34	1063.28	4.06	FP; W/ R-3067-7004-V
	S-214	15'BL'+50.43	RT-15.50	H INLET	1067.34	1063.93	3.41	W/ R-3067-7004-V
	S-215	54'RB'+72.37	RT-17.50	H INLET	1067.95	1064.08	3.87	W/ R-3067-7004-V
	S-216	55'RB'+56.06	RT-17.50	H INLET	1068.37	1064.73	3.64	W/ R-3067-7004-V
	S-217	58'RB'+62.10	RT-18.00	3X3 SAS	1072.00	1067.21	4.79	W/ R-3067-7004-V
	S-218	59'RB'+70.00	RT-13.50	H INLET	1072.47	1069.14	3.33	W/ R-3067-7004-V
	S-219	72'SM'+75.23	LT-27.99	45° ELBOW	--	1065.97	--	INCIDENTAL TO PIPE
	S-220	73'SM'+07.00	LT-4.50	H INLET	1072.59	1067.55	5.04	W/ R-3067-7004-V
	S-221	73'SM'+07.00	RT-4.50	H INLET	1072.59	1067.85	4.74	W/ R-3067-7004-V
	S-222	73'SM'+07.00	RT-27.50	H INLET	1072.11	1068.78	3.33	W/ R-3067-7004-V
	S-223	52'RB'+25.03	LT-54.54	54-IN APRON END WALL W/ GATE	--	1059.00	--	PER CITY OF MADISON S.D.D. 5.4.1
	S-224	52'RB'+54.79	LT-39.36	45° ELBOW	--	1060.23	--	INCIDENTAL TO PIPE
	S-225	110'MP'+55.00	RT-38.87	**19-IN X 30-IN APRON END WALL W/ GATE**	--	**1070.50**	--	PER CITY OF MADISON S.D.D. 5.4.1
	S-226	**107'MP'+83.66**	**RT-43.00**	**4X4 SAS**	**1070.00**	**1066.80**	**3.20**	**FP; W/ R-1550 OPEN GRATE**
	S-226A	**106'MP'+75.00**	RT-43.00	**19-IN X 30-IN APRON END WALL W/ GATE**	--	**1066.25**	--	PER CITY OF MADISON S.D.D. 5.4.1
	S-227	109'MP'+90.60	RT-28.30	**4X4 SAS**	1074.37	**1068.50**	**5.87**	**FP; W/ WisDOT CASTING TYPE HM**
	S-228	101'MP'+04.24	RT-34.24	CONCRETE COLLAR W/ EX. CULVERT	--	1058.16	--	FP
	S-229	101'MP'+03.78	RT-59.79	45° ELBOW	--	1058.03	--	INCIDENTAL TO PIPE
	S-230	100'MP'+74.61	RT-87.94	48-IN APRON END WALL W/ GATE	--	1057.83	--	PER CITY OF MADISON S.D.D. 5.4.1
	S-231	101'MP'+13.42	RT-34.91	CONCRETE COLLAR W/ EX. CULVERT	--	1058.62	--	FP
	S-232	101'MP'+13.35	RT-59.78	45° ELBOW	--	1058.35	--	INCIDENTAL TO PIPE
	S-233	100'MP'+79.72	RT-93.23	48-IN APRON END WALL W/ GATE	--	1057.83	--	PER CITY OF MADISON S.D.D. 5.4.1
	S-234	100'MP'+72.99	RT-38.33	12-IN APRON END WALL W/ GATE	--	1060.14	--	PER CITY OF MADISON S.D.D. 5.4.1
	S-235	101'MP'+53.62	RT-38.62	24-IN APRON END WALL W/ GATE	--	1061.10	--	PER CITY OF MADISON S.D.D. 5.4.1
	S-236	101'MP'+04.11	RT-41.34	TAP	--	1059.62	--	PER CITY OF MADISON S.D.D. 5.7.32
	S-237	101'MP'+13.40	RT-41.36	TAP	--	1059.55	--	PER CITY OF MADISON S.D.D. 5.7.32
*	**S-238**	**101'MP'+36.57**	**RT-174.47**	30-IN APRON END WALL W/ GATE	--	1058.50	--	PER CITY OF MADISON S.D.D. 5.4.1
*	**S-239**	**100'MP'+93.01**	**RT-174.93**	30-IN APRON END WALL W/ GATE	--	1058.07	--	PER CITY OF MADISON S.D.D. 5.4.1
*	**S-240**	**101'MP'+36.65**	**RT-180.38**	30-IN APRON END WALL W/ GATE	--	1058.50	--	PER CITY OF MADISON S.D.D. 5.4.1
*	**S-241**	**100'MP'+93.02**	**RT-180.84**	30-IN APRON END WALL W/ GATE	--	1058.07	--	PER CITY OF MADISON S.D.D. 5.4.1
	STUB-1	52'RB'+25.00	LT-26.71	STUB	--	1059.64	--	
	STUB-2	52'RB'+87.59	RT-35.16	STUB	--	1063.13	--	
	STUB-3	55'RB'+63.73	RT-34.56	STUB	--	1064.82	--	
	STUB-4	71'SM'+90.32	RT-34.13	STUB	--	1067.61	--	
	STUB-5	76'SM'+05.00	RT-40.00	STUB	--	1068.52	--	

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-223	S-200	1059.00	1059.09	18.5	21.0	0.50%	54"	RCP	
	P-2	S-200	S-224	1060.09	1060.23	27.5	30.0	0.50%	42"	RCP	
	P-3	S-224	S-201	1060.23	1060.37	27.5	30.5	0.50%	42"	RCP	
	P-4	S-201	S-202	1060.87	1061.44	114.0	118.0	0.50%	36"	RCP	
	P-5	S-202	S-203	1061.44	1061.81	74.0	78.0	0.50%	36"	RCP	
	P-6	S-203	S-204	1062.31	1064.80	386.0	389.5	0.65%	30"	RCP	
	P-7	S-204	S-205	1065.80	1066.32	105.0	108.0	0.50%	18"	RCP	
	P-8	S-204	S-219	1065.80	1065.97	34.5	37.0	0.50%	18"	RCP	
	P-9	S-219	S-206	1065.97	1066.12	30.5	32.0	0.50%	18"	RCP	
	P-10	S-206	S-207	1066.37	1067.97	295.0	298.0	0.54%	15"	RCP	
	P-11	S-207	S-208	1068.22	1068.33	21.0	23.0	0.50%	12"	RCP	
	P-12	S-208	S-209	1068.33	1068.36	7.0	9.0	0.50%	12"	RCP	
	P-13	S-209	S-210	1068.36	1068.48	24.0	26.0	0.50%	12"	RCP	
	P-14	S-201	S-211	1062.87	1063.03	32.5	35.5	0.50%	12"	RCP	
	P-15	S-202	S-212	1062.69	1062.85	32.5	36.0	0.50%	21"	RCP	
	P-16	S-212	S-213	1062.85	1063.28	28.5	32.5	1.52%	21"	RCP	
	P-17	S-213	S-214	1063.78	1063.93	29.0	31.5	0.50%	15"	RCP	
	P-18	S-214	S-215	1063.93	1064.08	30.5	33.5	0.50%	15"	RCP	
	P-19	S-215	S-216	1064.33	1064.73	80.5	83.5	0.50%	12"	RCP	
	P-20	S-204	S-217	1065.55	1067.21	33.0	36.0	5.05%	21"	RCP	
	P-21	S-205	S-218	1066.82	1069.14	25.0	27.5	9.26%	12"	RCP	
	P-22	S-206	S-220	1066.62	1067.55	21.0	23.5	4.40%	12"	RCP	
	P-23	S-220	S-221	1067.55	1067.85	7.0	9.0	4.36%	12"	RCP	
	P-24	S-221	S-222	1067.85	1068.78	21.0	23.0	4.40%	12"	RCP	
	P-25	S-227	S-225	**1068.50**	**1070.50**	63.5	65.0	**3.19%**	**19"x30"**	**HERCP**	
	P-26	S-226	S-227	**1066.80**	**1068.50**	189.5	191.0	**0.83%**	**19"x30"**	**HERCP**	
	P-26A	**S-226A**	**S-226**	**1066.25**	**1066.80**	**109.0**	**111.0**	**0.50%**	**19"x30"**	**HERCP**	
	P-27	S-229	S-228	1058.03	1058.16	25.5	25.5	0.50%	48"	RCP	
	P-28	S-230	S-229	1057.83	1058.03	40.5	40.5	0.50%	48"	RCP	
	P-29	S-232	S-231	1058.35	1058.62	25.0	25.0	1.08%	48"	RCP	
	P-30	S-233	S-232	1057.83	1058.35	47.5	47.5	1.09%	48"	RCP	
	P-31	S-236	S-234	1059.62	1060.14	29.5	31.5	1.76%	12"	RCP	
	P-32	S-237	S-235	1059.55	1061.10	38.5	40.5	4.03%	24"	RCP	
*	**P-33**	S-239	S-238	1058.07	1058.50	**43.6**	**43.6**	**0.99%**	30"	RCP	
*	**P-34**	S-241	S-240	1058.07	1058.50	**43.6**	**43.6**	**0.99%**	30"	RCP	
	P-35	S-200	STUB-1	1059.59	1059.64	10.0	12.5	0.50%	48"	RCP	
	P-36	S-211	STUB-2	1063.03	1063.13	19.5	21.0	0.50%	12"	RCP	
	P-37	S-216	STUB-3	1064.73	1064.82	17.5	18.5	0.50%	12"	RCP	
	P-38	S-217	STUB-4	1067.46	1067.61	28.5	30.5	0.50%	18"	RCP	
	P-39	S-210	STUB-5	1068.48	1068.52	8.5	9.5	0.50%	12"	RCP	

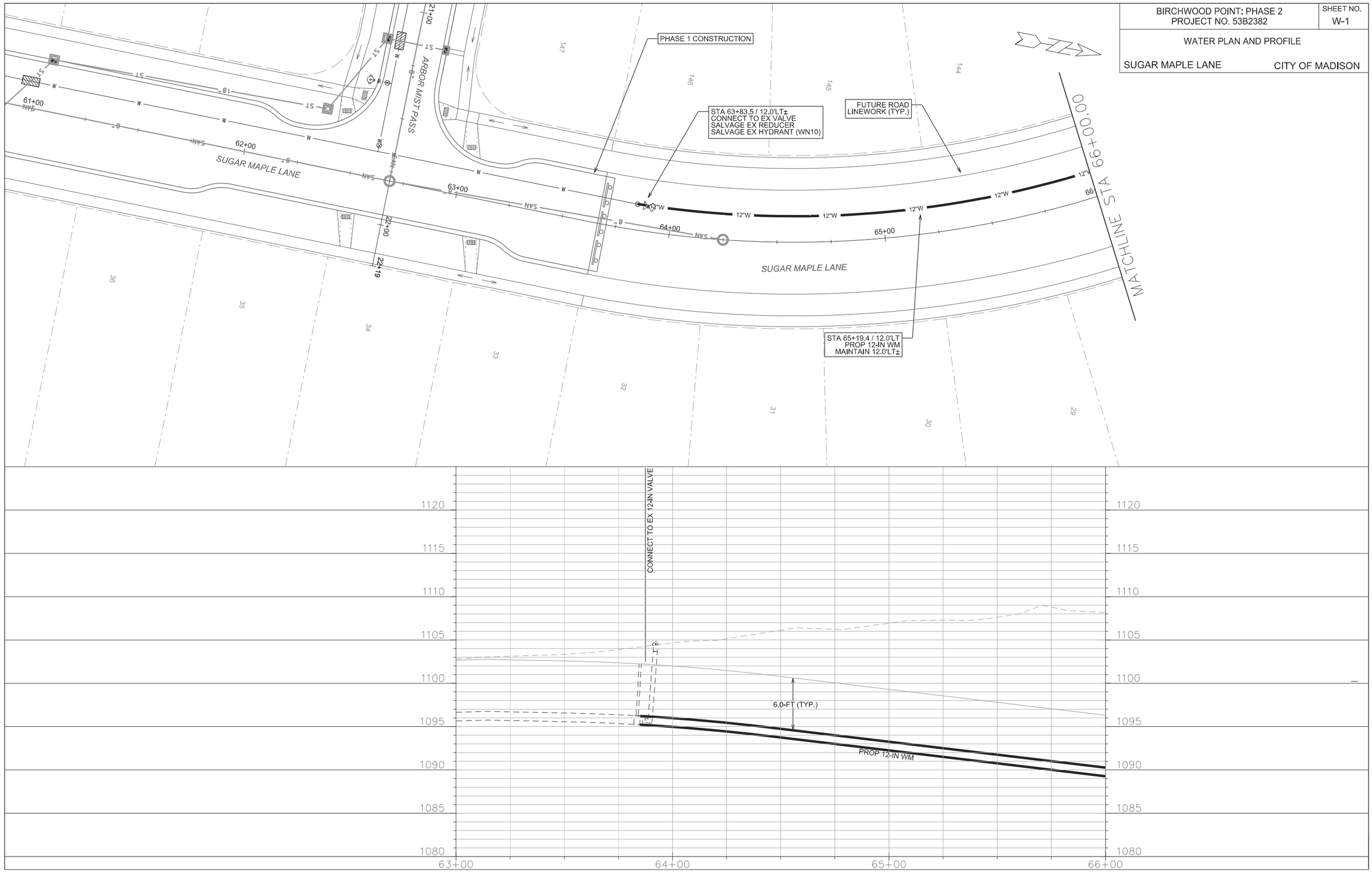
BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. W-1
WATER PLAN AND PROFILE	
SUGAR MAPLE LANE — CITY OF MADISON	

PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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DATE: 8/15/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. W-2
WATER PLAN AND PROFILE	
SUGAR MAPLE LANE — CITY OF MADISON	

STA 68+49.9 / 26.9'LT
5-IN HYDRANT

STA 68+49.9 / 15.0'LT
6-IN VALVE & BOX

STA 70+09.7 / 12.0'LT
PROP 12-IN WM
MAINTAIN 12.0'LT±

STA 67+79.1 / 12.0'LT
12-IN X 8-IN CROSS
w/8-IN MJ PLUG X 2

FUTURE ROAD
LINEWORK (TYP.)

STA 66+55.4 / 12.0'LT
PROP 12-IN WM
MAINTAIN 12.0'LT±

STA 68+49.9 / 12.0'LT
12-IN X 6-IN TEE

STA 68+07.8 / 12.0'LT
12-IN VALVE & BOX

MEANDERING WAY

SUGAR MAPLE LANE

MATCHLINE STA 66+00.00

MATCHLINE STA 71+00.00

12"W

12"

66+00 67+00 68+00 69+00 70+00 71+00

143 27 28 39 40 41 42 43

12-IN X 8-IN CROSS w/8-IN MJ PLUG X 2

12-IN VALVE & BOX

12-IN X 6-IN TEE

6.0-FT (TYP.)

PROP 12-IN WM

1110 1105 1100 1095 1090 1085 1080 1075 1070

66+00 67+00 68+00 69+00 70+00 71+00

PLOT SCALE: ——

PLOT NAME: ——

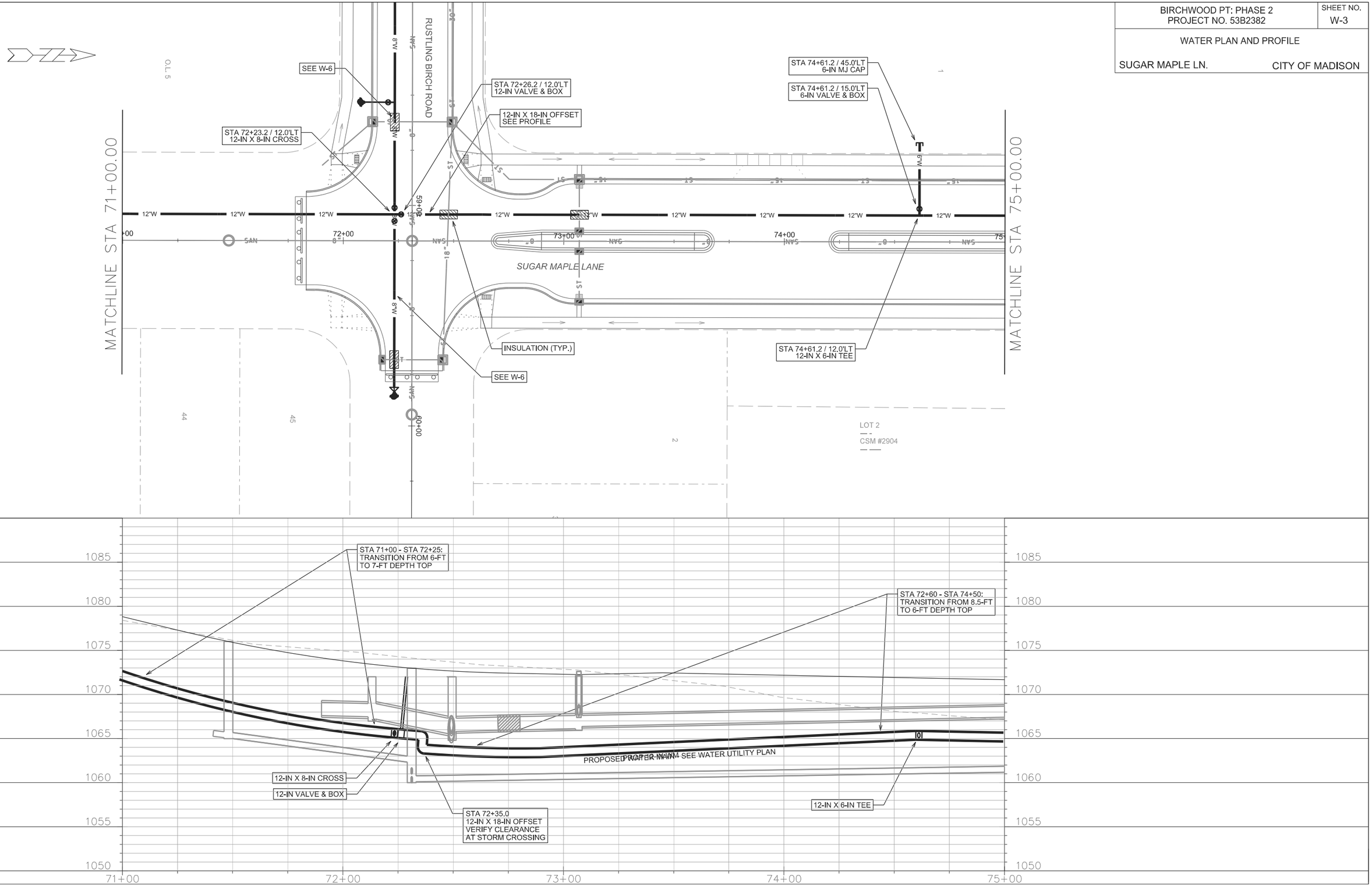
REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Water\Design\53B2382EN-PnP-SML-2 (W-2).dgn

DATE: 8/15/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. W-3
WATER PLAN AND PROFILE	
SUGAR MAPLE LN.	CITY OF MADISON



PLOT SCALE: ____

PLOT NAME: ____

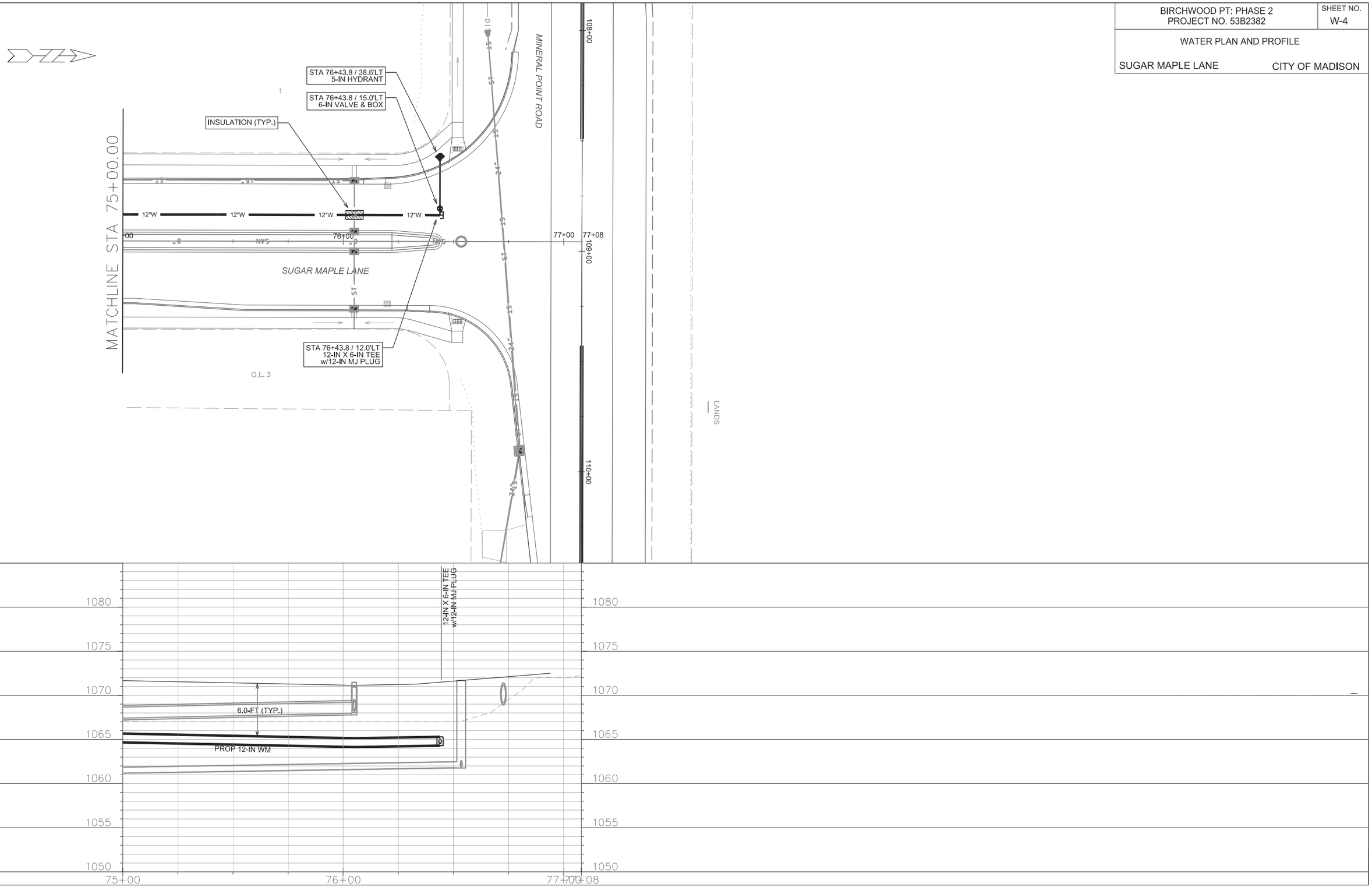
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Water\Design\53B2382WU-PnP-SML-3 (W-3).dgn

DATE: 8/15/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. W-4
WATER 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\53B2382\Water\Design\53B2382WU-PnP-SML-4 (W-4).dgn

DATE: 8/15/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. W-5
WATER PLAN AND PROFILE	
RUSTLING BIRCH ROAD — CITY OF MADISON	

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT AND STORM SEWER

S-2010

PI 10+87.17

PI 10+87.17

11+00

10+00

PCB 10+00.00

23+00

50+00

51+00

52+00

53+00

54+00

55+00

STA 52+58.7 / 8.0'RT
5-IN HYDRANT

STA 52+61.7 / 8.0'RT
8-IN X 6-IN REDUCER

STA 52+64.7 / 8.0'RT
8-IN VALVE & BOX

STA 53+33.8 / 38.0'LT
6-IN MJ CAP

STA 53+33.6 / 5.0'RT
6-IN VALVE & BOX

INSULATION (TYP.)

STA 54+41.6 / 8.0'RT
8-IN X 8-IN TEE

STA 53+33.6 / 8.0'RT
8-IN X 6-IN TEE

RUSTLING BIRCH ROAD

MATCHLINE STA 55+00.00

BLOOMING LEAF WAY

15+00

5+27

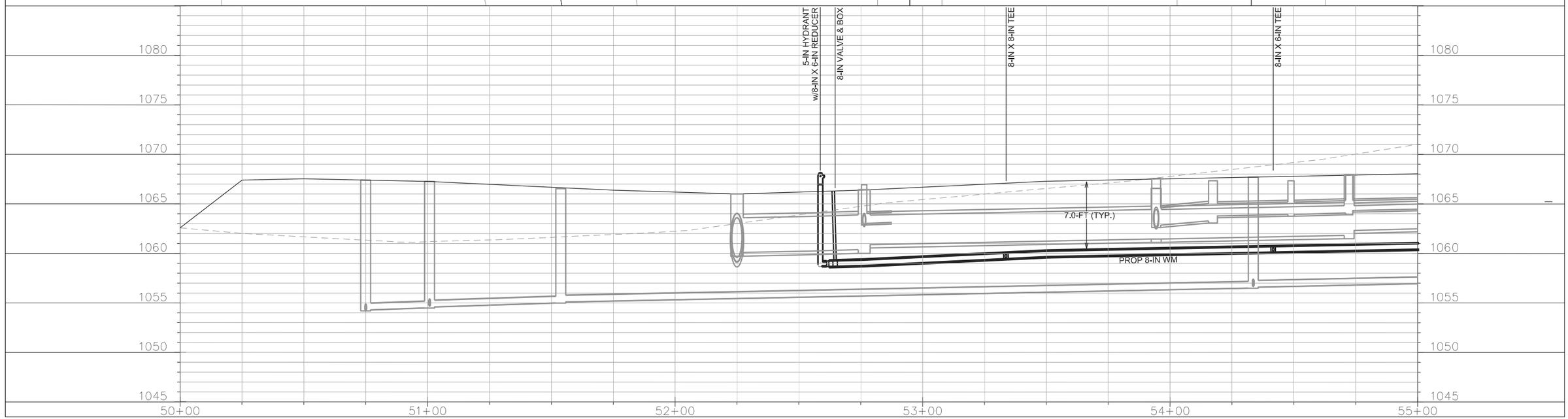
5+00

101

100

78

79



FILE NAME: M:\DESIGN\Projects\53B2382\Water\Design\53B2382WU-PnP-BD-1 (W-5).dgn

DATE: 8/15/2014

BIRCHWOOD PT: PHASE 2
PROJECT NO. 53B2382

SHEET NO.
W-6

WATER PLAN AND PROFILE

RUSTLING BIRCH ROAD — CITY OF MADISON

MATCHLINE STA 55+00.00

STA 55+53.9 / 38.0'LT
6-IN MJ CAP

STA 55+53.6 / 5.0'RT
6-IN VALVE & BOX

STA 55+53.6 / 8.0'RT
8-IN X 6-IN TEE

STA 57+02.6 / 8.0'RT
8-IN X 8-IN TEE

STA 57+02.6 / 33.0'RT
8-IN MJ CAP

STA 57+02.6 / 11.0'RT
8-IN VALVE & BOX

30' WIDE PUBLIC SANITARY SEWER AND WATER MAIN EASEMENT

7' WIDE PRIVATE SIDEWALK EASEMENT

STA 58+53.3 / 8.0'RT
8-IN X 6-IN TEE

STA 58+53.3 / 11.0'RT
6-IN VALVE & BOX

STA 58+53.2 / 23.4'RT
5-IN HYDRANT

STA 59+01.1 / 8.0'RT
8-IN VALVE & BOX

SEE W-3

SUGAR MAPLE LANE

INSULATION (TYP.)

STA 59+86.5 / 8.0'RT
5-IN HYDRANT

STA 59+83.5 / 8.0'RT
8-IN X 6-IN REDUCER

STA 59+07.1 / 8.0'RT
8-IN VALVE & BOX

STA 59+04.1 / 8.0'RT
12-IN X 8-IN CROSS

SEE W-3

RUSTLING BIRCH ROAD

RUSTLING BIRCH ROAD

8-IN X 6-IN TEE

8-IN X 8-IN TEE

8-IN X 6-IN TEE

8-IN VALVE & BOX

12-IN X 8-IN CROSS

8-IN VALVE & BOX

5-IN HYDRANT
w/8-IN X 6-IN REDUCER

7.0-FT (TYP.)

PROP 8-IN WM

STA 59+10 - STA 59+75:
TRANSITION FROM 7-FT
TO 6-FT DEPTH TOP

1090
1085
1080
1075
1070
1065
1060
1055
1050

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

PLOT SCALE: ____

PLOT NAME: ____

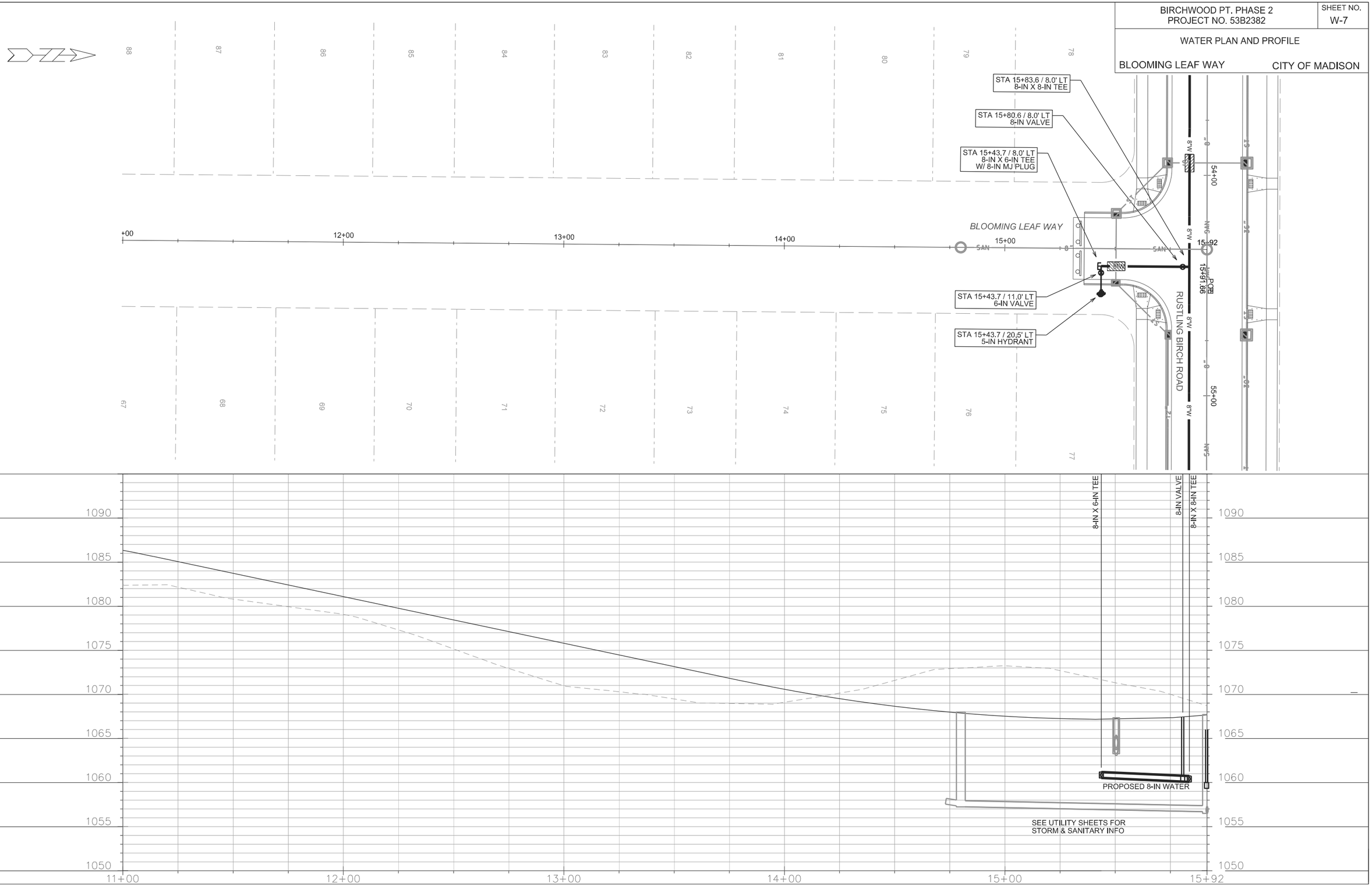
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Water\Design\53B2382WU-PnP-BD-2 (W-6).dgn

DATE: 8/15/2014

BIRCHWOOD PT. PHASE 2 PROJECT NO. 53B2382	SHEET NO. W-7
WATER PLAN AND PROFILE	
BLOOMING LEAF WAY	CITY OF MADISON



PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Water\Design\53B2382WU-PnP-BL (W-7).dgn

DATE: 8/15/2014

BIRCHWOOD PT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. W-8
WATER ESTIMATE OF MATERIALS CITY OF MADISON	
PM: DENNIS CAWLEY	DESIGNER: PEH

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:

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

220' - 6" PIPE
800'- 8" PIPE

1050'- POLYWRAP

7 - 6" VALVE & BOX
5 - 8" VALVE & BOX

2 - 8"X6" TEE

2 - 8"X6" REDUCER

2 - 8" MJ PLUG
3 - 6" MJ CAP
1 - 8" MJ CAP

6 - 5" HYDRANT

80-FT - 2-IN STYROFOAM INSULATION

ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:

1300' - 12" PIPE

1450' - POLYWRAP

2 - 12" VALVE & BOX

2 - 12"X8" CROSS

1 - 12"X6" TEE

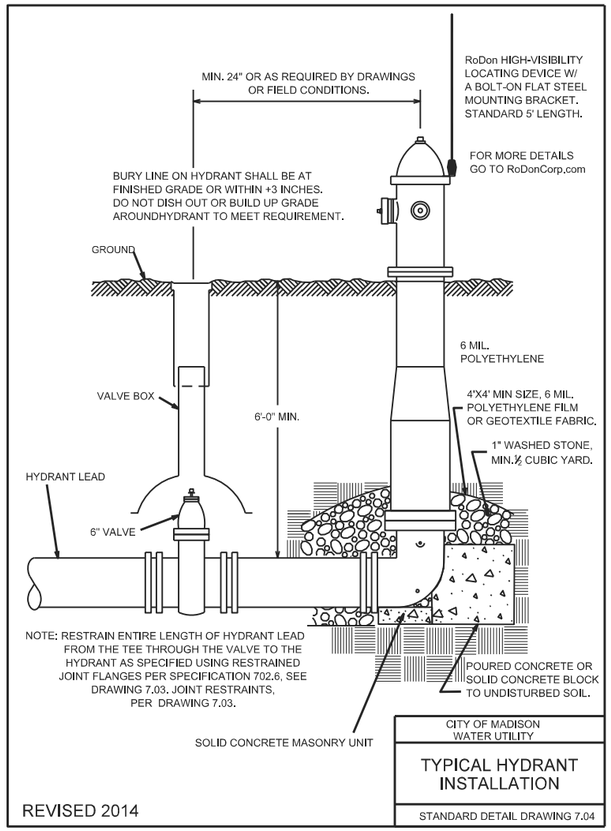
1 - 12"X18" OFFSET

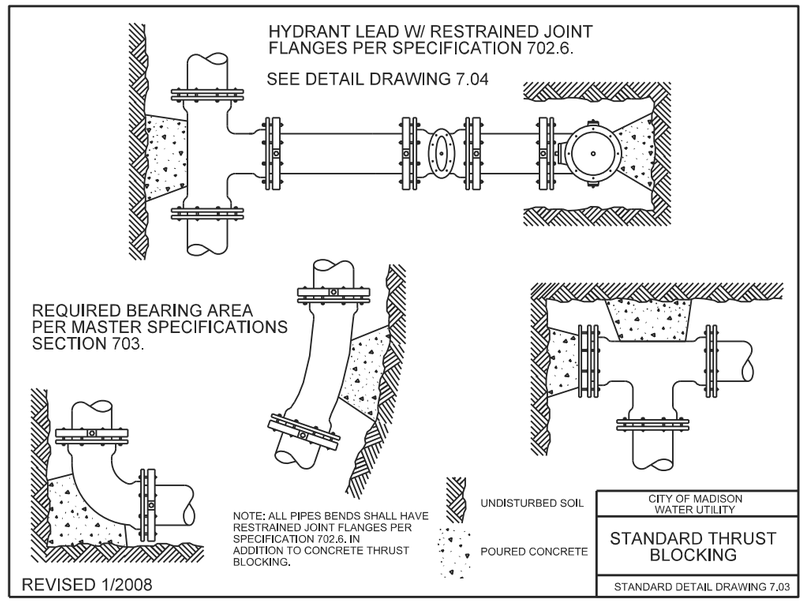
1 - 12" MJ PLUG

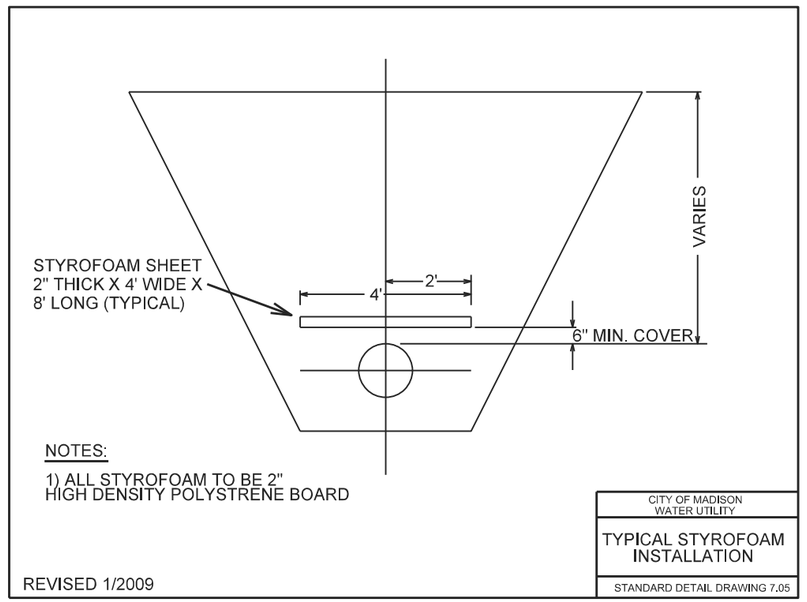
ESTIMATE OF MATERIALS SALVAGED:

1 - 12" X 6" REDUCER

1 - 5" HYDRANT

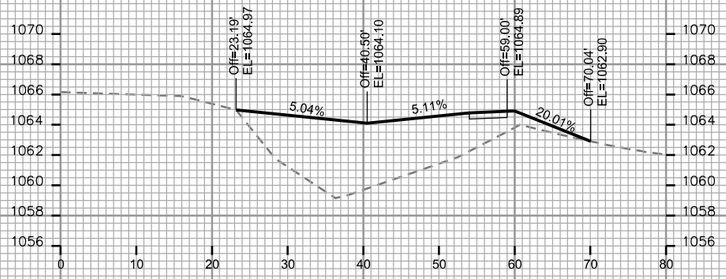




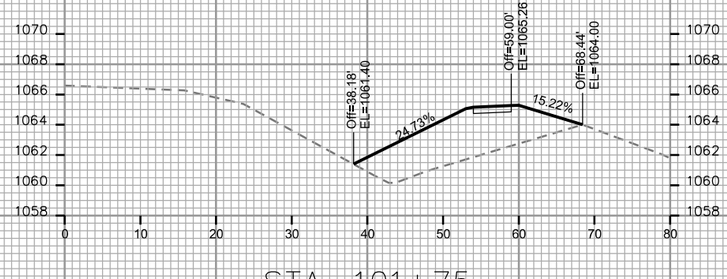


PLOT SCALE: ____
PLOT NAME: ____
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-1
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON



STA. 101+00



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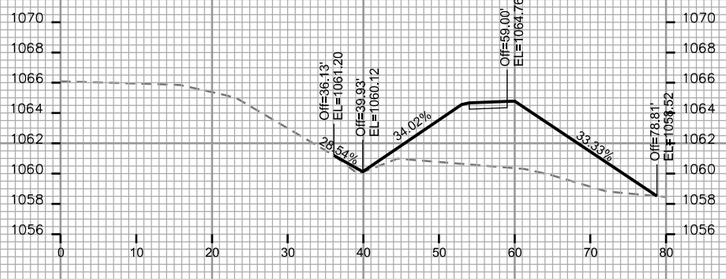

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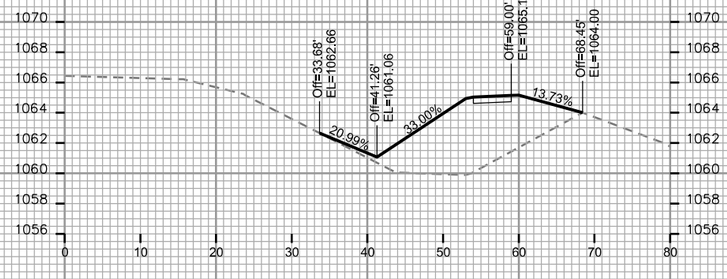

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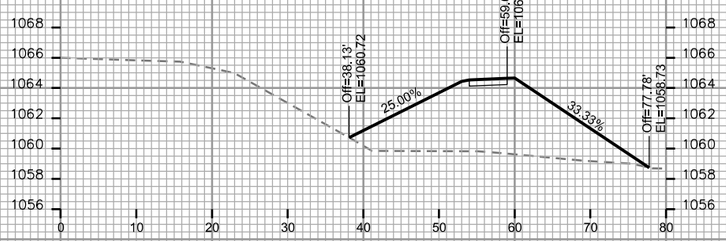

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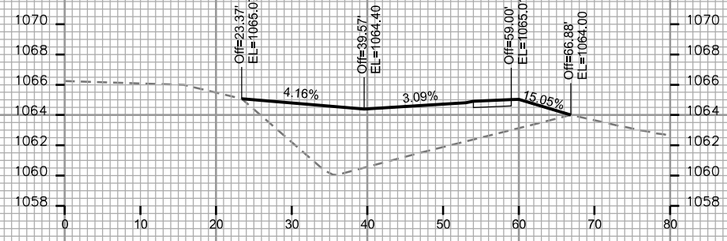

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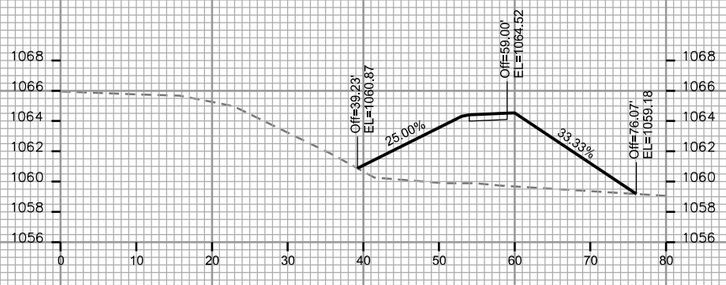

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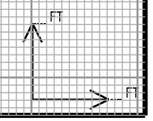


PLOT SCALE: ____

PLOT NAME: ____

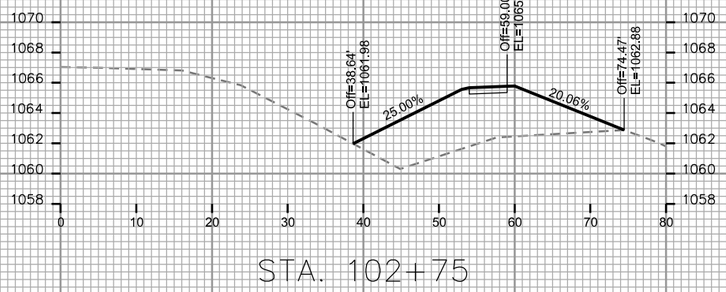
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

DATE: 8/18/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-2
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON



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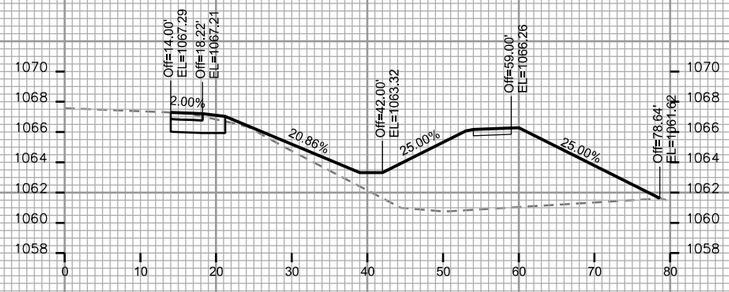

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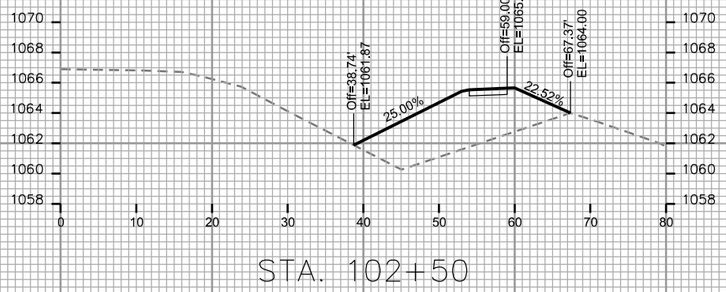

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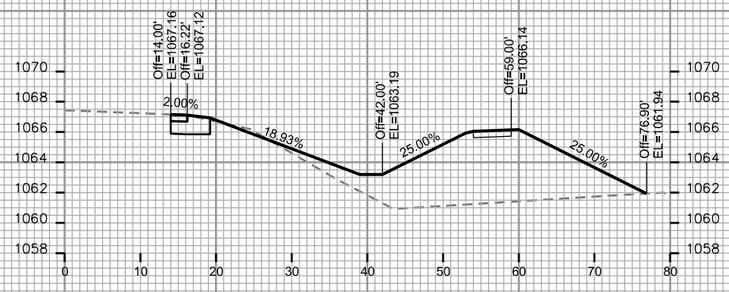

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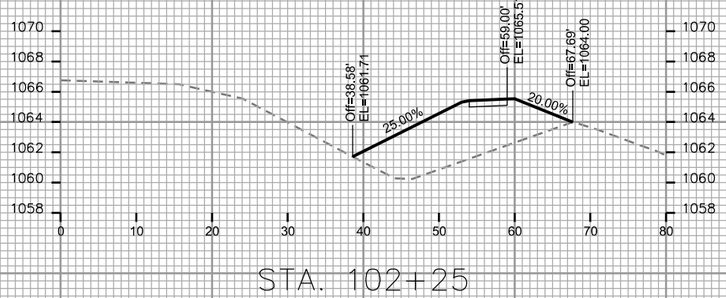

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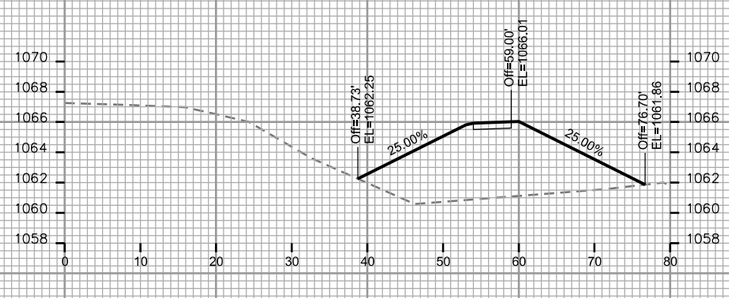

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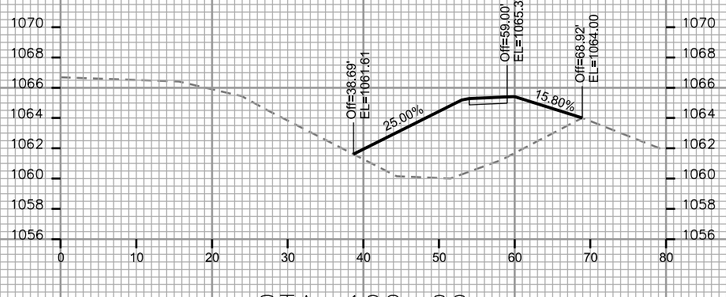

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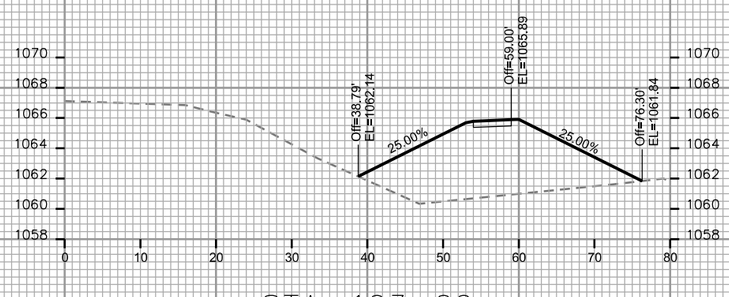

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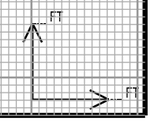


PLOT SCALE: ____

PLOT NAME: ____

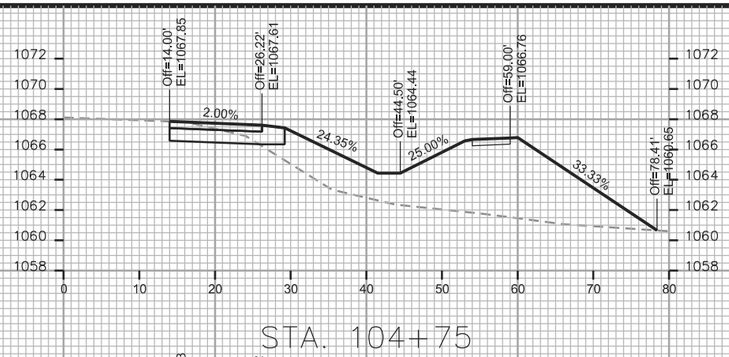
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

DATE: 8/18/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-3
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON
REV. 2014 09-05 BY JOHN SAPP	



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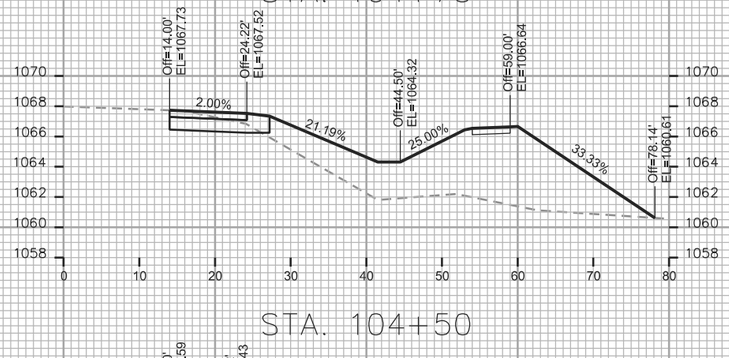

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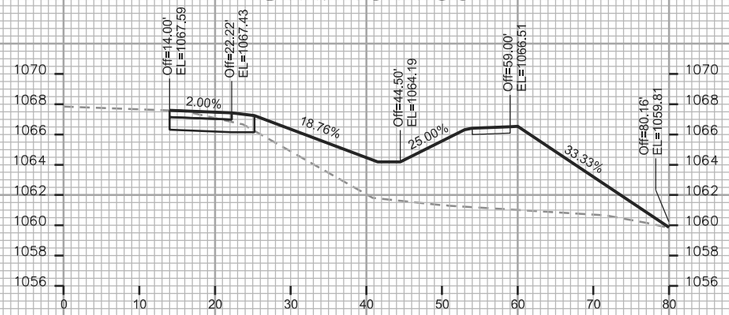

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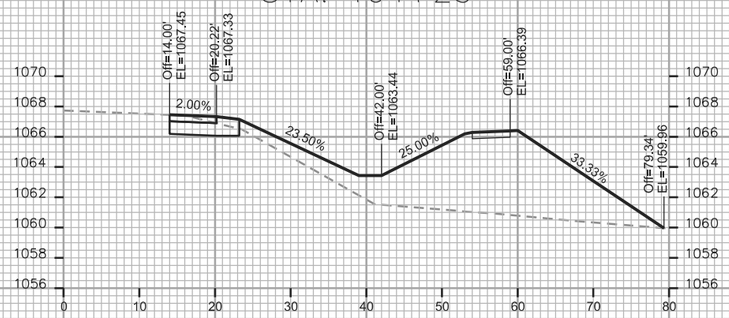

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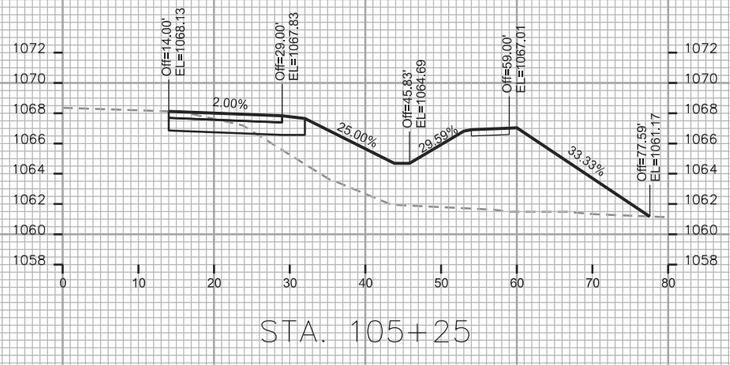

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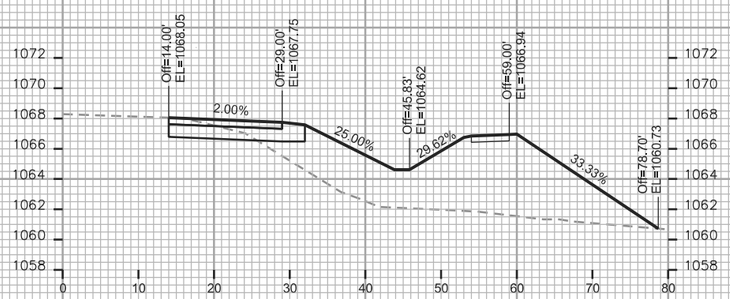

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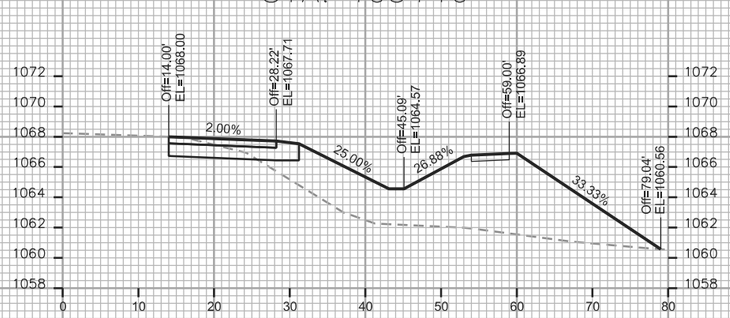


STA. 105+00

PLOT SCALE: ____

PLOT NAME: ____

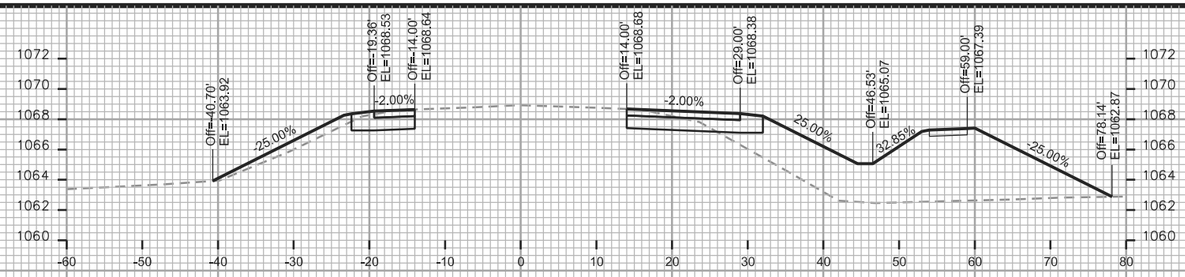
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

DATE: 9/8/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-4
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON
REV. 2014 09-05 BY JOHN SAPP	



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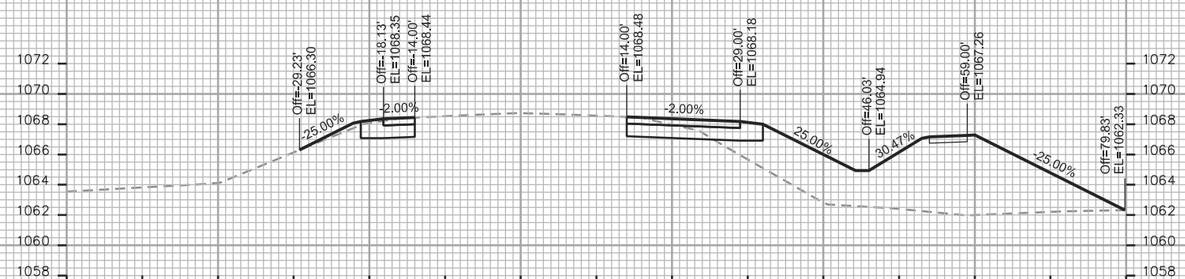

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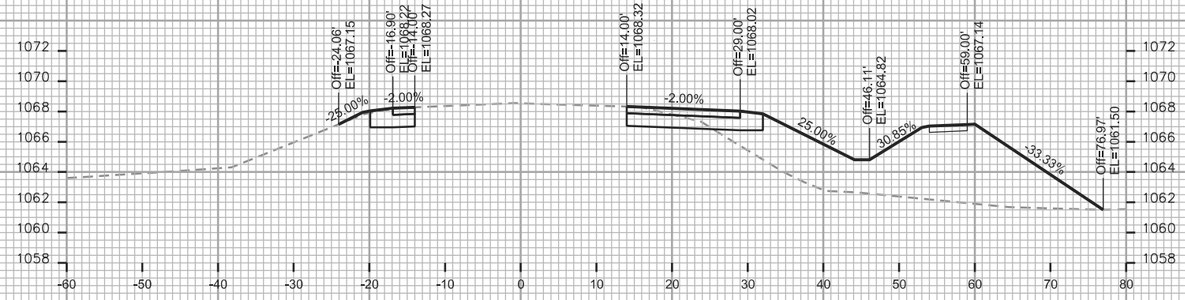

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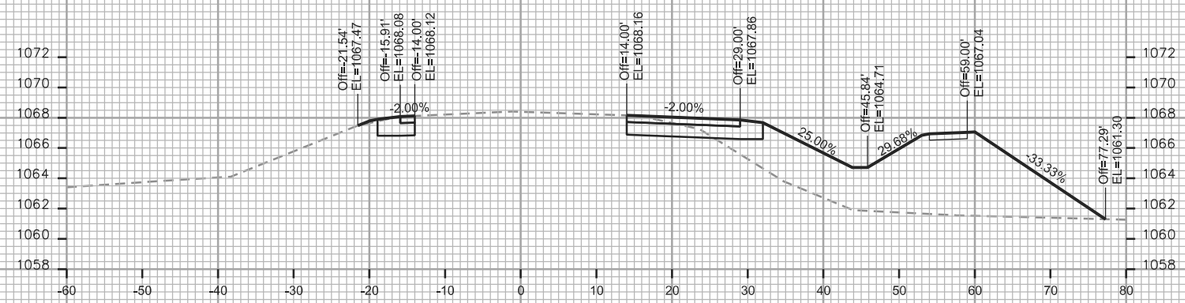


STA. 105+30

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

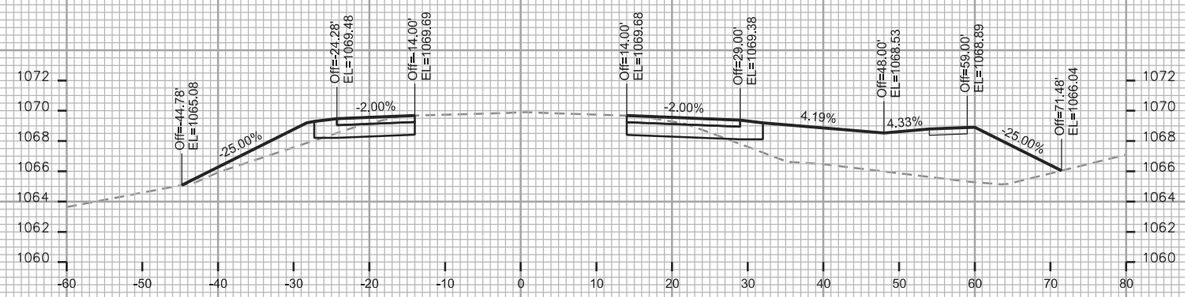
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

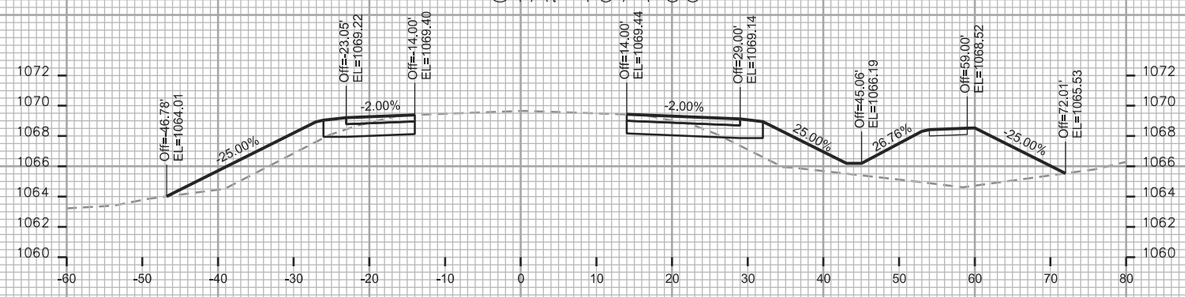
DATE: 9/8/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-5
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON

REV. 2014 09-05 BY JOHN SAPP



STA. 107+00



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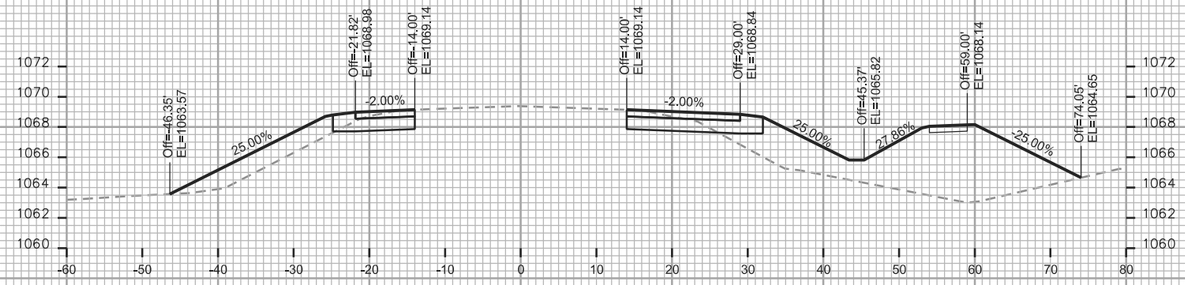

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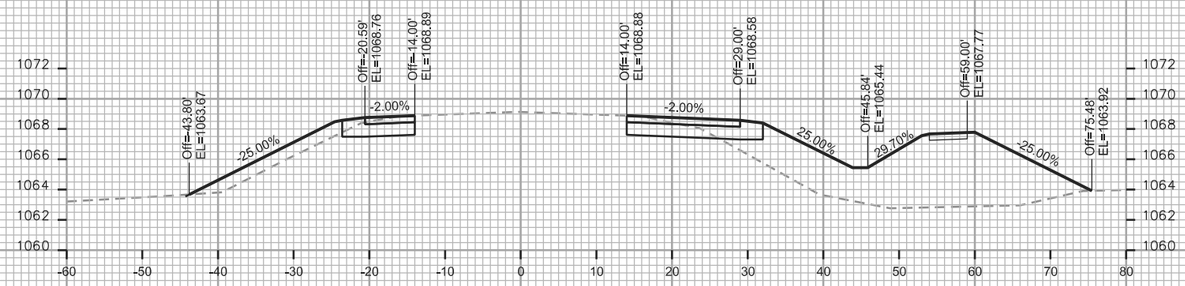

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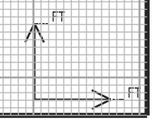


PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

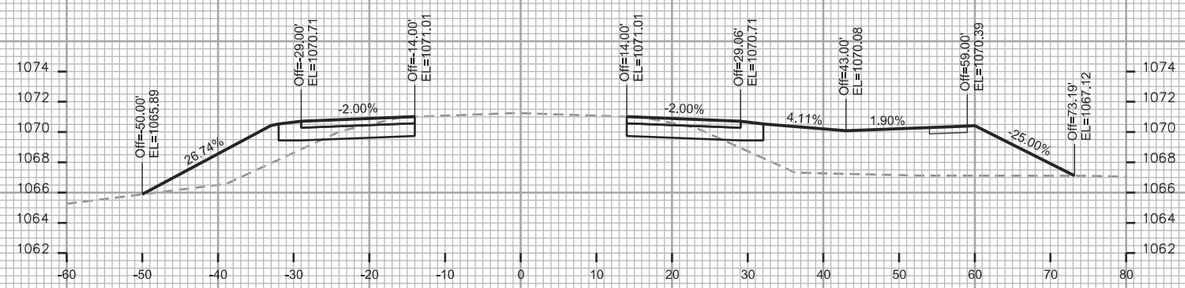
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

DATE: 9/8/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-6
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON

REV. 2014 09-05 BY JOHN SAPP



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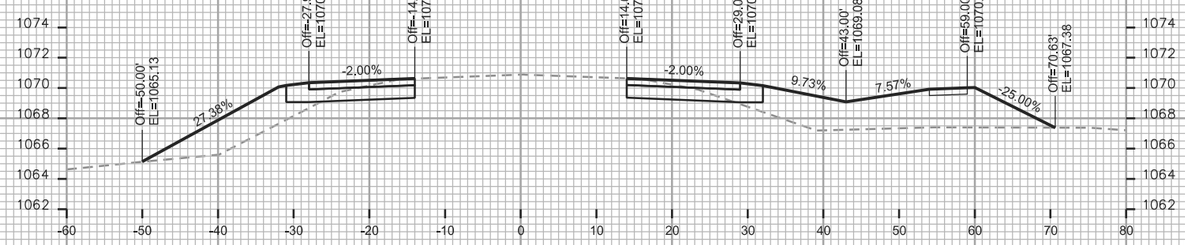

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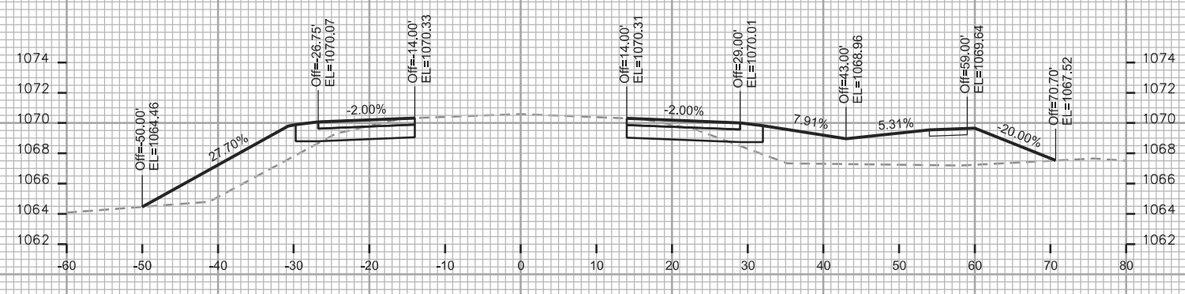

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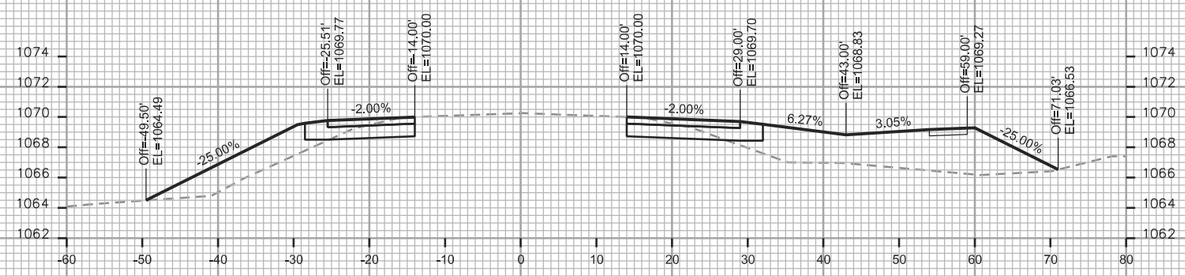

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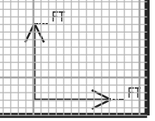


PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

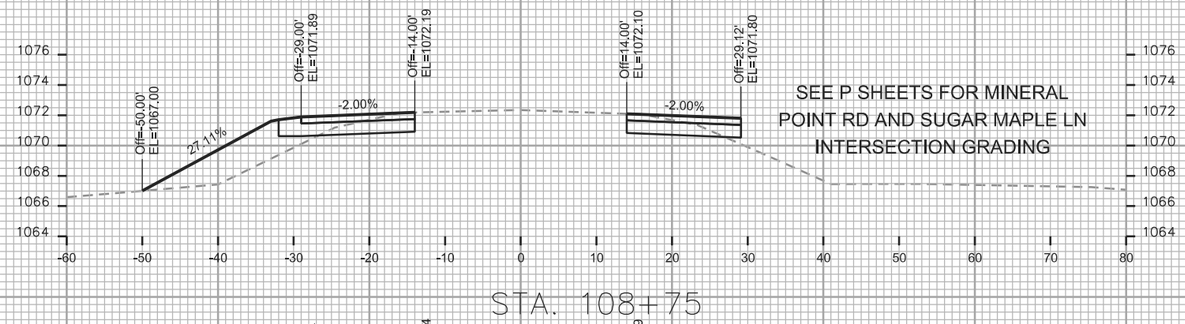
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

DATE: 9/8/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-7
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON

REV. 2014 09-05 BY JOHN SAPP



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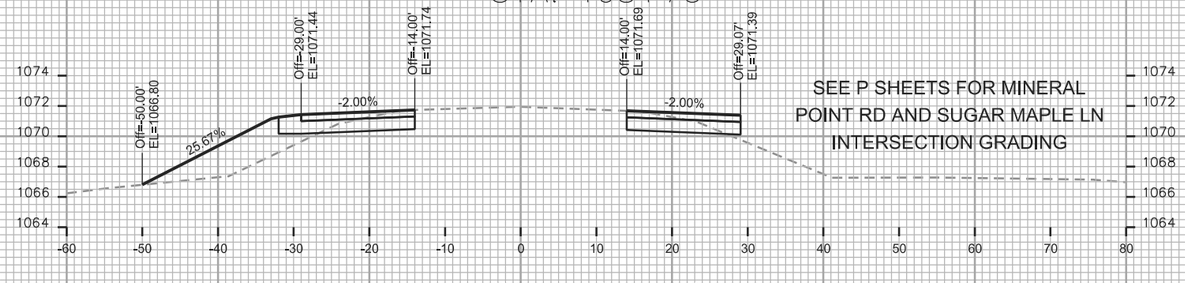

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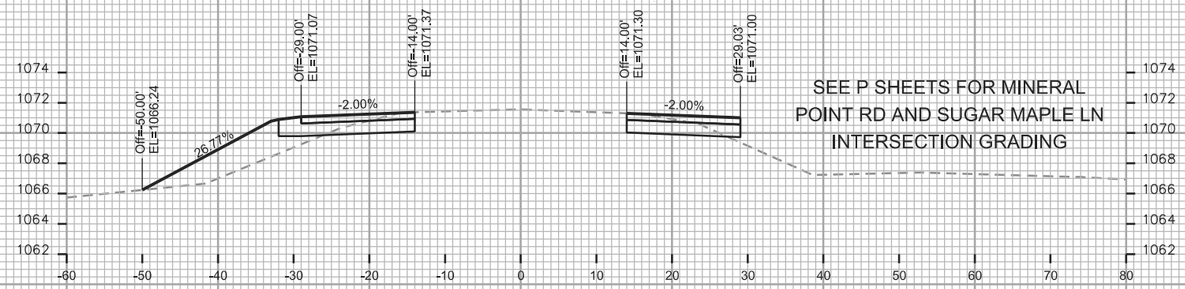


STA. 108+25

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

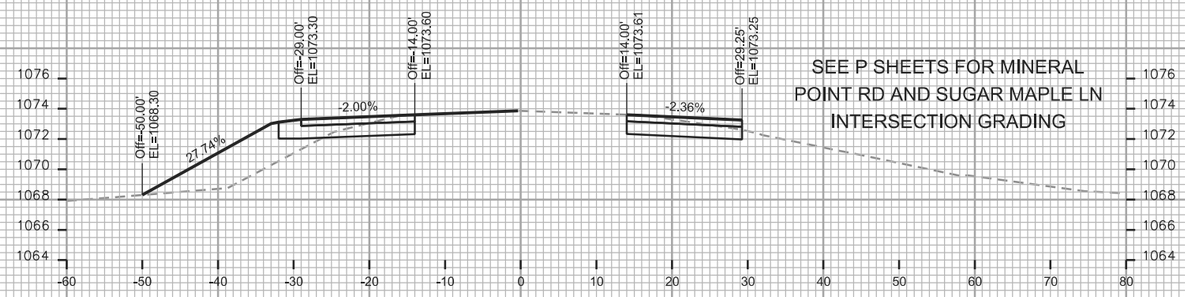
FT
FT

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

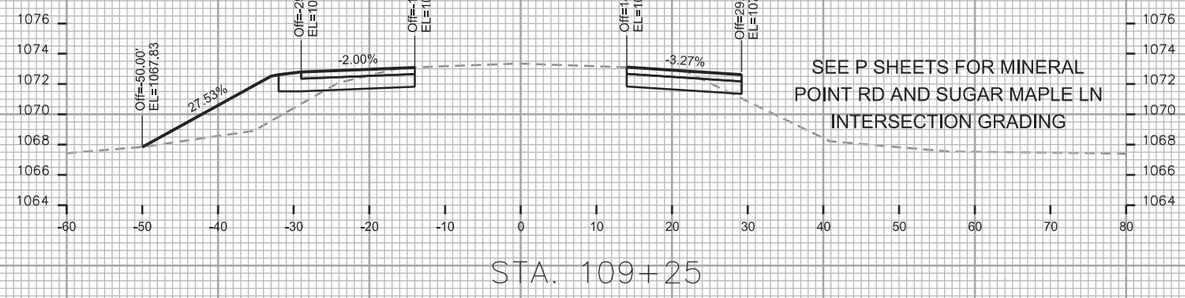
DATE: 9/8/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-8
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON

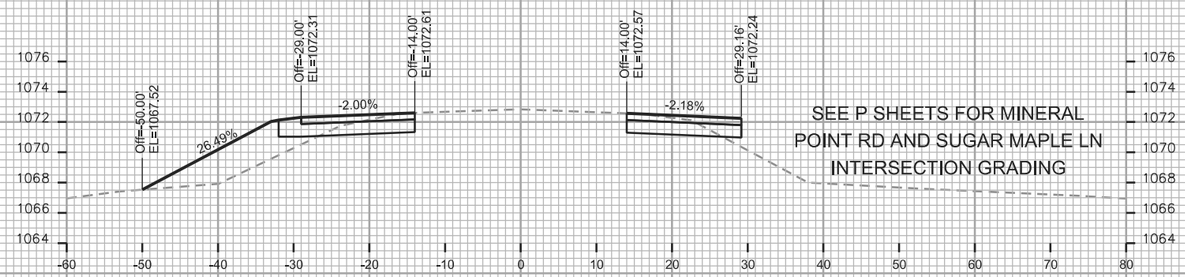
REV. 2014 09-05 BY JOHN SAPP



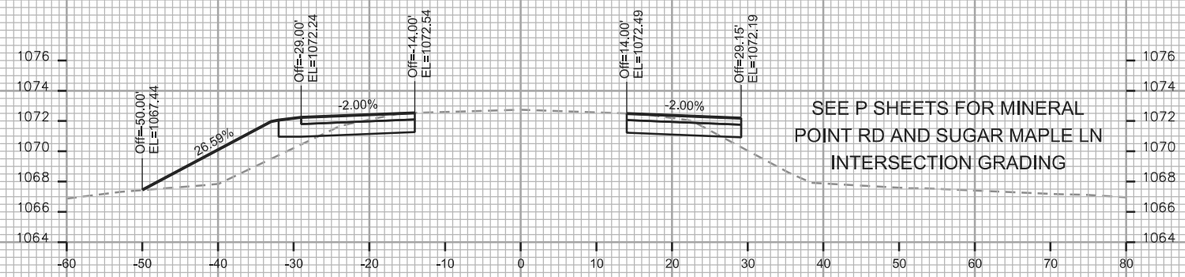
STA. 109+50



STA. 109+25



STA. 109+00



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PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

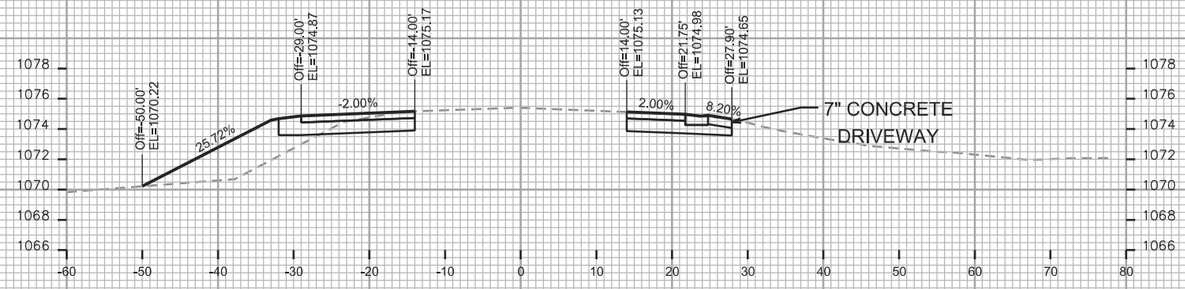
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

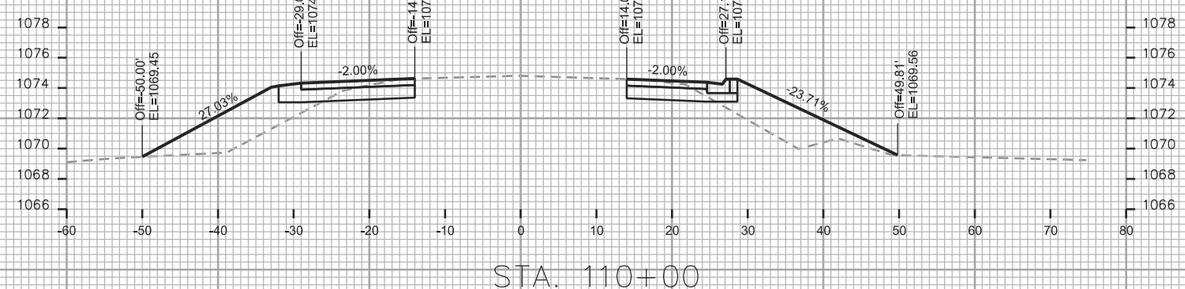
DATE: 9/8/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-9
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON

REV: 2014 09-05 BY JOHN SAPP



STA. 110+25



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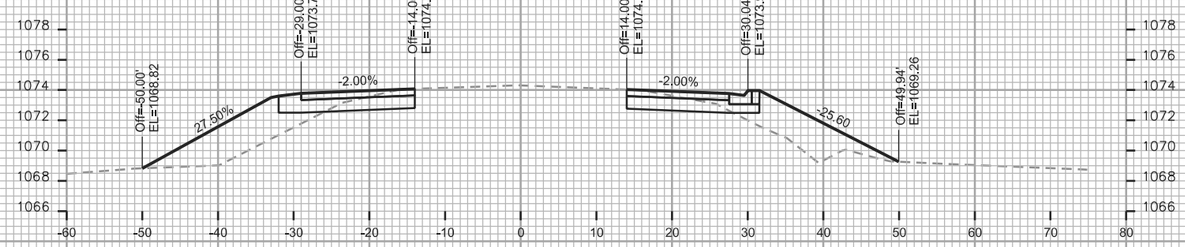


STA. 109+75

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

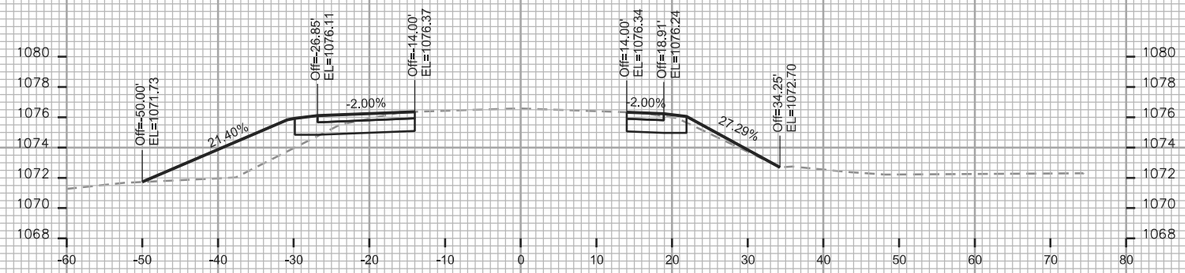
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

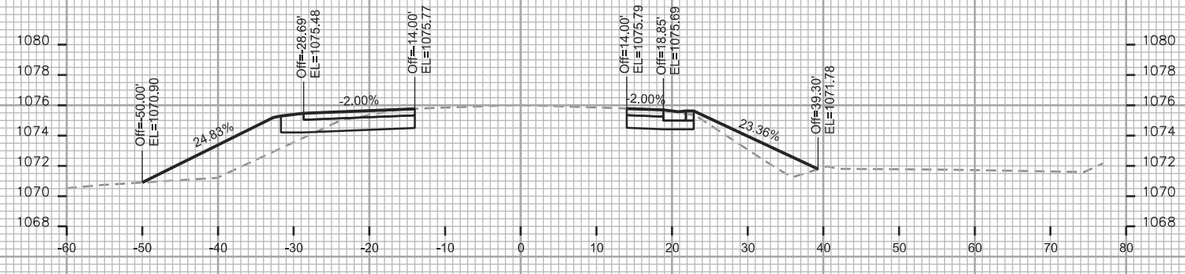
DATE: 9/8/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-10
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON

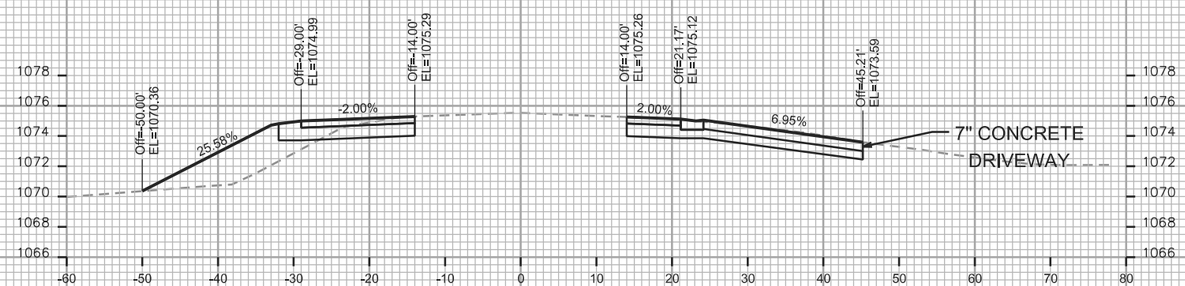
REV. 2014 09-05 BY JOHN SAPP



STA. 110+75



STA. 110+50



STA. 110+30

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

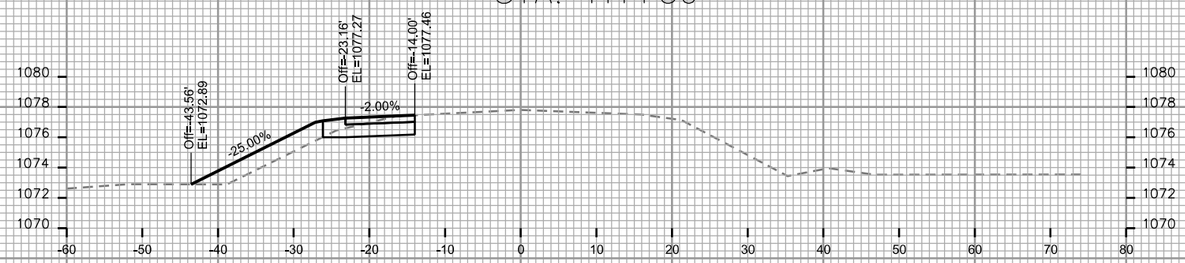
FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

DATE: 9/8/2014

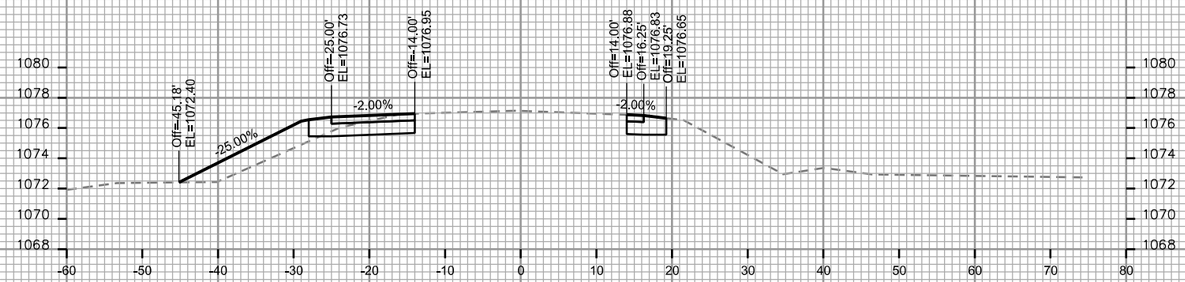
BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-11
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON

STA. 111+75

STA. 111+50



STA. 111+25



STA. 111+00

FT

FT

PLOT SCALE: ____

PLOT NAME: ____

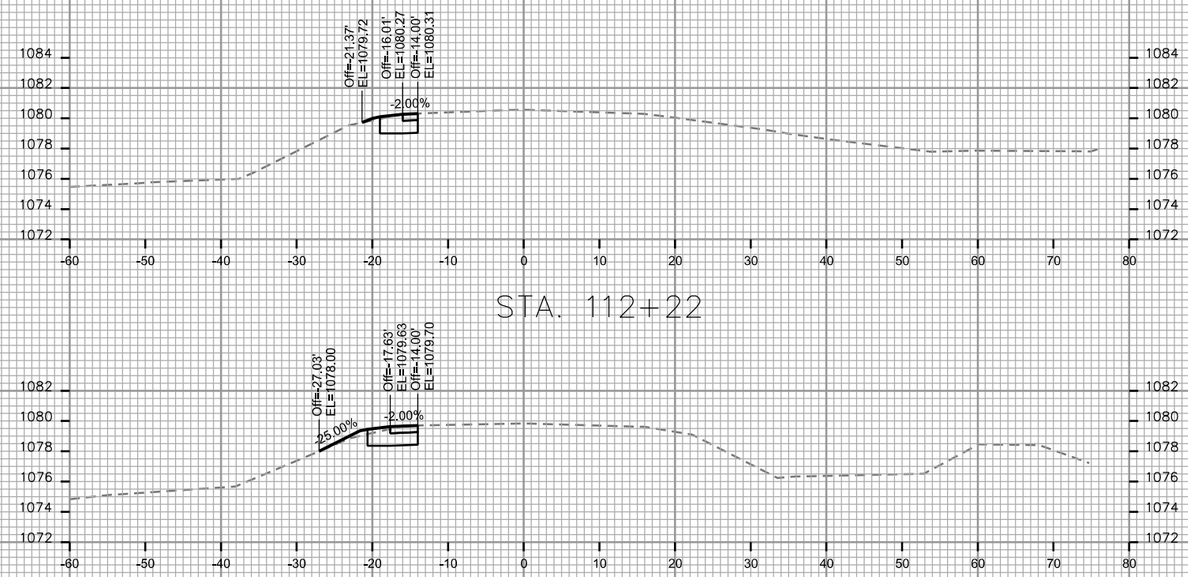
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

DATE: 8/18/2014

BIRCHWOOD POINT: PHASE 2 PROJECT NO. 53B2382	SHEET NO. X-12
CROSS SECTIONS	
MINERAL POINT RD.	CITY OF MADISON



STA. 112+22

STA. 112+00

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53B2382\Streets\Design\53B2382EN-XSection.dgn

DATE: 8/18/2014

PROJECT NO. 53B2382 | SHEET NO. E1

ELECTRICAL PLAN

SUGAR MAPLE | CITY OF MADISON

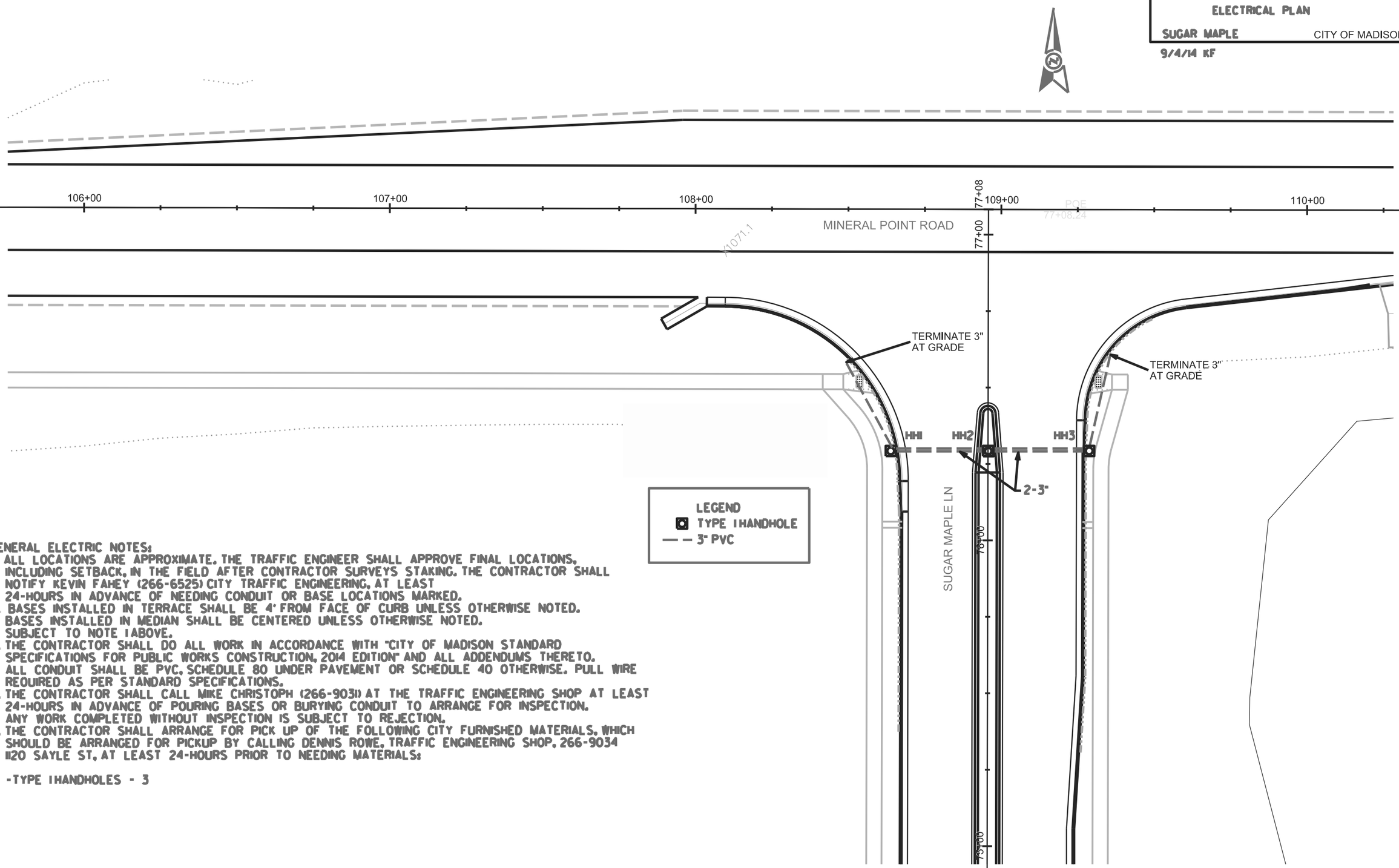
9/4/14 KF

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



LEGEND
- TYPE I HANDHOLE
- 3" PVC

GENERAL ELECTRIC NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY KEVIN FAHEY (266-6525) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED. BASES INSTALLED IN MEDIAN SHALL BE CENTERED UNLESS OTHERWISE NOTED. SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2014 EDITION" AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
4. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL ARRANGE FOR PICK UP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED FOR PICKUP BY CALLING DENNIS ROWE, TRAFFIC ENGINEERING SHOP, 266-9034 1120 SAYLE ST, AT LEAST 24-HOURS PRIOR TO NEEDING MATERIALS:

   -TYPE I HANDHOLES - 3

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

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