Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT
STORM WITH RESURFACING 2012

GETTYSBURG DR, PIPING ROCK RD, PRAIRIE RD @ JACOBS WY, LOMAX LN, PRIAIRE RD @ RAYMOND RD

PROJECT NO. 53W1315
CONTRACT NO. 6801

PUBLIC IMPROVEMENT PROJECT APPROVED JAN 4, 2012 BY THE COMMON COUNCIL OF MADISON, WISCONSIN

DESIGN APPROVED BY:

City Engineer — Date 1/22/12

STORM PROJECTS APPROVED BY:

WISCONSIN GREGORY T. FRIES E-30556 MADISON WI PROFESSIONAL ENGINEER 1/27/12

CONVENTIONAL SIGNS

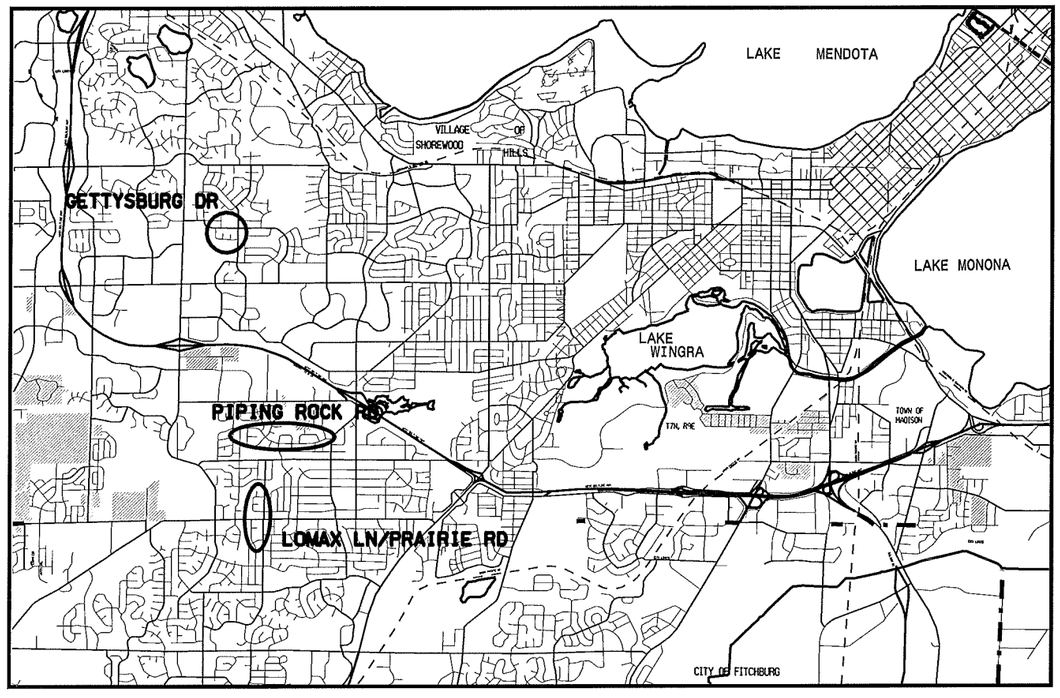
COMBUSTIBLE FLUIDS — CAUTION

UNDERGROUND UTILITIES

NOTE: FIELD VERIFY UTILITIES

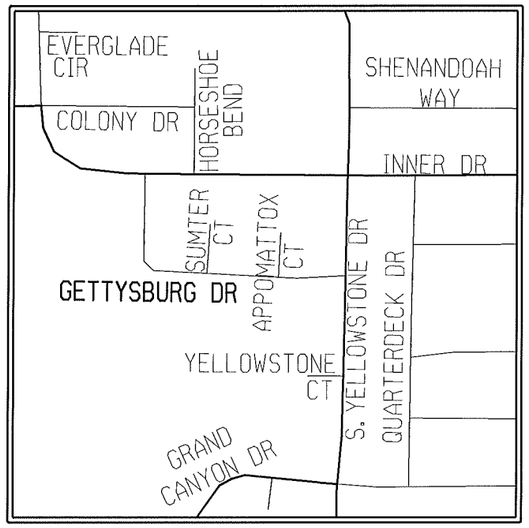
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
POWER POLE	

INDEX OF SHEETS

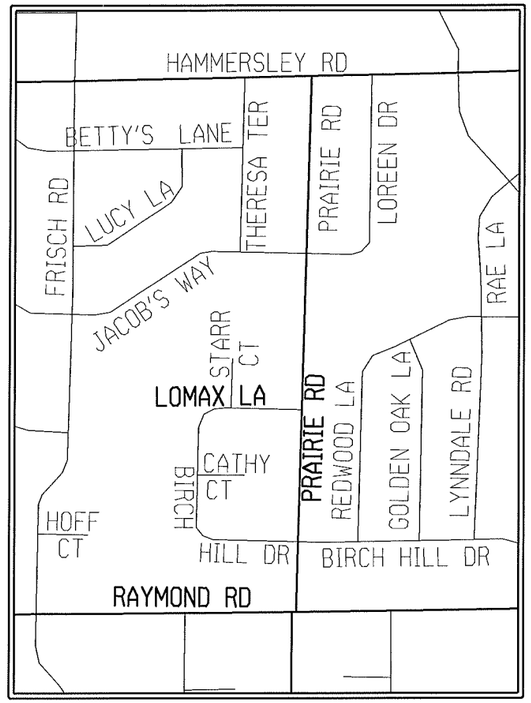


STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 1
SITE LOCATION MAPS CITY OF MADISON	

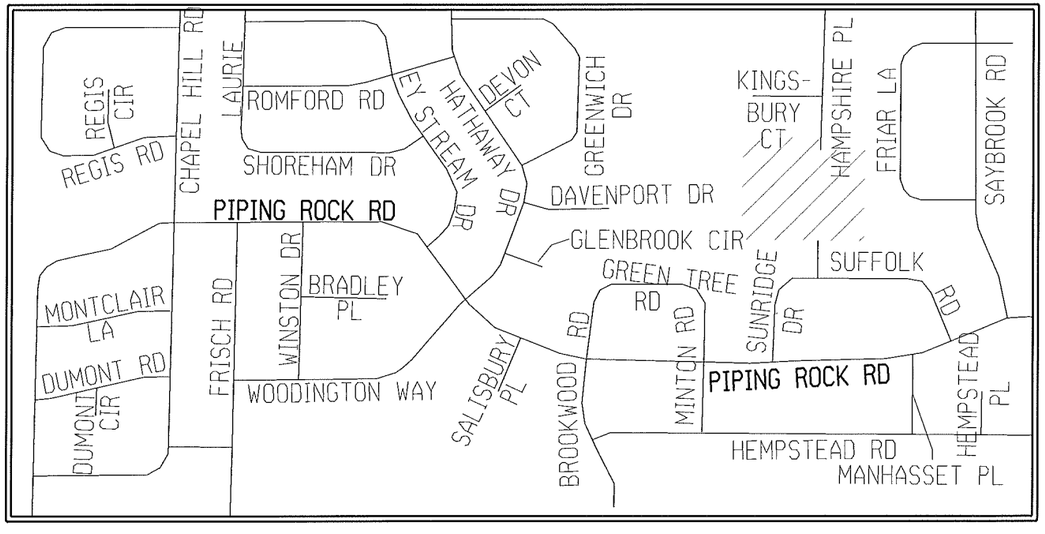
GETTYSBURG DR



PRAIRIE RD



PIPING ROCK RD



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REV. DATE: .....
ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\TITLE SHEET 1.DGN
DATE: 1/25/2012
SCALE: 750.000000:1.000000

STORM WITH RESURFACING 2012	SHEET NO.
PROJECT NO. 53W1315	2
QUANTITIES	
CITY OF MADISON	

STORM SEWER QUANTITIES

ITEM NUMBER	DESCRIPTION	UNIT	GETTYSBURG	PIPING ROCK	LOMAX	PRAIRIE @ JACOBS	PRAIRIE @ RAYMOND	TOTAL
20311	REMOVE SEWER ACCESS STRUCTURE	EA		1.00				1.00
20313	REMOVE INLET	EA		5.00				5.00
20314	REMOVE PIPE	LF	36.00	61.00				97.00
20323	REMOVE CONCRETE SIDEWALK AND DRIVE	SF		52.00				52.00
20336	PIPE PLUG	EA		2.00				2.00
20711	TRENCH RESTORATION 4 INCH TOPSOIL, SEED, FERTILIZE AND MULCH	TF		120.00	260.00			380.00
21013	STREET SWEEPING (UNDISTRIBUTED)	LUMP						1.00
21031	INLET PROTECTION TYPE C - COMPLETE	EA		13.00		2.00	3.00	18.00
21041	INLET PROTECTION TYPE D - COMPLETE	EA	13.00	22.00	4.00	3.00	5.00	47.00
21052	POLYMER STABILIZATION (UNDISTRIBUTED)	SY						100.00
21072	EROSION MATTING, TYPE II, CLASS B	SY			43.00			43.00
30302	7 INCH CONCRETE SIDEWALK AND DRIVE	SF		52.00				52.00
40382	REMOVE AND REPLACE CONCRETE CURB & GUTTER, HAND PLACED - RESURFACING	LF	200.00	350.00	100.00	60.00	100.00	810.00
40391	REMOVE AND REPLACE 5" THICK CONCRETE SIDEWALK - RESURFACING	SF			200.00			200.00
50211	SELECT BACKFILL FOR STORM SEWER	TF	1,032.00	2,855.00	171.00	373.00	1,208.00	5,639.00
50225	UTILITY TRENCH PATCH TYPE III	TF	1,020.00	2,735.00	10.00	373.00	1,208.00	5,346.00
50227	UTILITY TRENCH PATCH TYPE IV	TF	1,020.00	2,735.00	161.00	373.00	1,208.00	5,497.00
50390	SEWER ELECTRONIC MARKERS	EA			2.00			2.00
50411	12 INCH RCP STORM SEWER PIPE	LF	355.00	498.00	171.00	107.00	170.00	1,301.00
50412	15 INCH RCP STORM SEWER PIPE	LF	647.00	1,168.00	266.00	266.00	1,038.00	3,385.00
50413	18 INCH RCP STORM SEWER PIPE	LF	30.00	505.00				535.00
50436	38 INCH X 60 INCH HERCP STORM SEWER PIPE	LF		684.00				684.00
50451	FIELD BEND	EA			2.00			2.00
50462	15 INCH RCP AE	EA			1.00			1.00
50602	15 INCH RCP AE GATE	EA			1.00			1.00
50722	6'X6' CATCHBASIN	EA	1.00					1.00
50723	3'X3' STORM SAS	EA	3.00	5.00	1.00	1.00	4.00	14.00
50741	TYPE "H" INLET	EA	10.00	11.00	4.00	3.00	5.00	33.00
50792	STORM SEWER TAP	EA	1.00	2.00		1.00		4.00
50801	UTILITY LINE OPENING (ULO)	EA	9.00	18.00	2.00	1.00	8.00	38.00
90030	3'X6' STORM SEWER SAS	EA	2.00	9.00				11.00
90031	4'X6' STORM SEWER SAS	EA		1.00				1.00
90032	5'X7' STORM SEWER SAS	EA		2.00				2.00
90033	3'X3' STORM SAS - SADDLED	EA					1.00	1.00
90034	6'X7' STORM SEWER CATCHBASIN	EA		1.00				1.00
90035	RAIN GARDEN (UNDISTRIBUTED)	EA					4.00	4.00

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REV. DATE: _____

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 3
GENERAL RAINGARDEN PLAN CITY OF MADISON	

EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

TYPE D INLET PROTECTION, UNLESS OTHERWISE NOTED, SHALL BE PLACED IN ALL INLETS WITHIN THE PROJECT BOUNDARIES. THE CONSTRUCTION ENGINEER SHALL HAVE FINAL DETERMINATION OF TYPE, LOCATION, AND/OR EXEMPTIONS FOR INLET PROTECTION.

THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNITL FINAL ACCEPTANCE BY THE CITY OF MADISON.

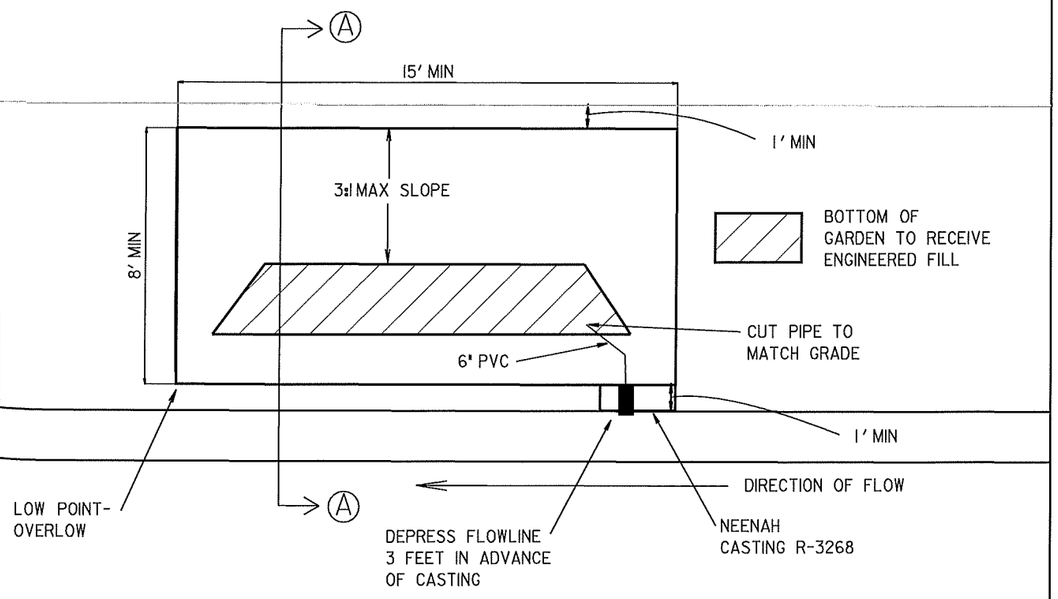
ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR SOC STANDARDS, THE CITY OF MADISON STANDARD SPECIFICATIONS AND AS DIRECTED BY THE CONSTRUCTION ENGINEER.

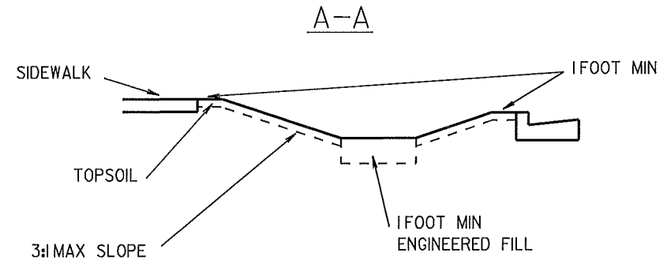
THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED AND/OR AS DIRECTED BY THE CONSTRUCTION ENGINEER.

THE CONTRACTOR SHALL PROVIDE POLYMER STABILIZATION AS NEEDED AND/OR AS DIRECTED BY THE CONSTRUCTION ENGINEER.

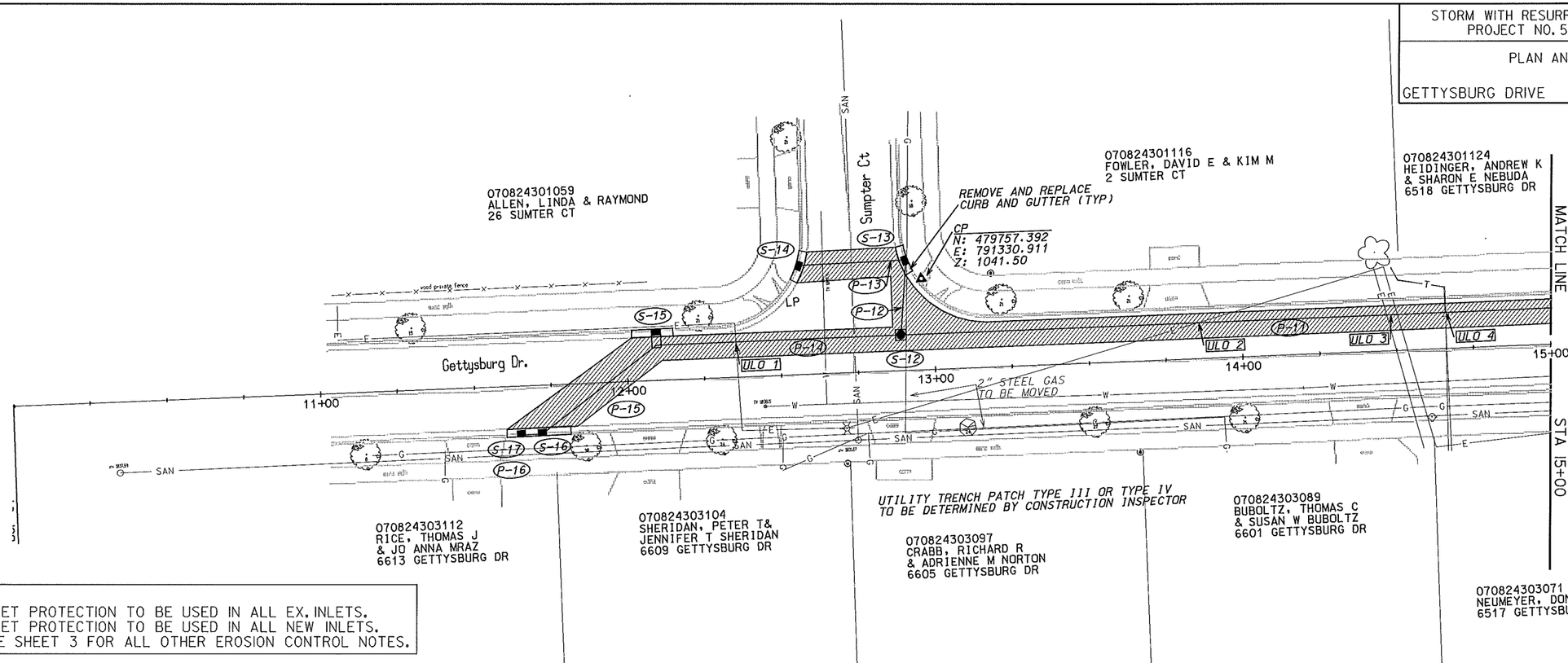
STOCKPILED MATERIALS SHALL BE PROTECTED FROM EROSION.

NOTES:
RAINGARDENS SHALL BE A MINIMUM OF 10' X 15'.
AREA SHALL BE EXCAVATED TO APPROX. 3' BELOW GRADE.
ONE FOOT OF ENGINEERED FILL SHALL BE PLACED IN RAINGARDEN.
SIDES OF RAINGARDEN SHALL BE SLOPED TO A MAX OF 3:1.
EROSION MATTING SHALL BE PLACED OVER RAINGARDEN AREA.
RAINGARDEN TO BE PLANTED BY OTHERS.

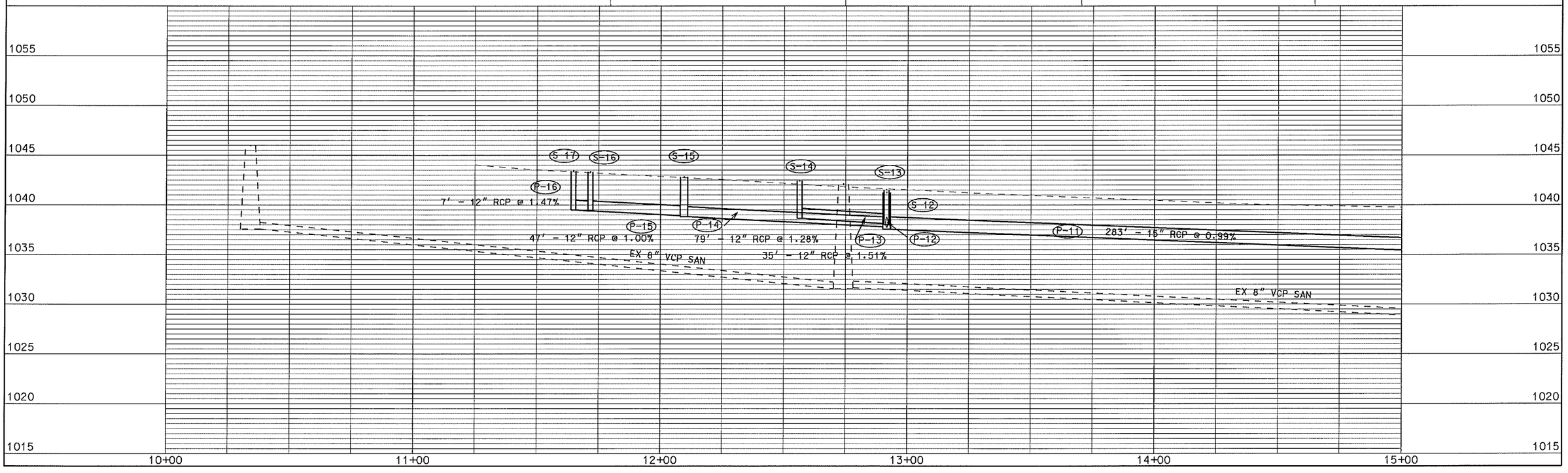




STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 4
PLAN AND PROFILE	
GETTYSBURG DRIVE CITY OF MADISON	



NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS.
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.



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PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 5
PLAN AND PROFILE	
GETTYSBURG DRIVE	CITY OF MADISON

REV. 5-23-12 SCS

N

070824301124
HEIDINGER, ANDREW K
& SHARON E NEBUDA
6518 GETTYSBURG DR

070824301182
SHAMPO, JEFFREY J
& KIM T CASTELAZ
6510 GETTYSBURG DR

070824301190
SCHILDKNECHT, WALTER T
6506 GETTYSBURG DR

070824301207
PETERSON, KRISTEN S
6502 GETTYSBURG DR

Appomattox Ct

S. Yellowstone Dr

MATCH LINE

STA 15+00

CP
N: 479736.743
E: 791628.362
Z: 1039.11

CP
N: 479750.698
E: 791973.591
Z: 1027.45

REMOVE AND REPLACE CURB AND GUTTER (TYP.)

EX 12" RCP STM

EX 15" RCP STM

EX 18" RCP STM

2" STEEL GAS TO BE MOVED

2" STEEL GAS

PC Sta = 16+81.78

PT Sta = 17+15.22

15+00 16+00 17+00 18+00 19+00 20+00

Gettysburg Dr.

ULO 5 ULO 6 ULO 7 ULO 8

S-1 S-2 S-3 S-4 S-5 S-6 S-7 S-8 S-9 S-10 S-11

P-1 P-2 P-3 P-5 P-6 P-7 P-8 P-9 P-10 P-11

RP-1 R-1

UTILITY TRENCH PATCH TYPE III OR TYPE IV
TO BE DETERMINED BY CONSTRUCTION INSPECTOR

070824303063
NJENDORF TR, RONALD/RUTH
6513 GETTYSBURG DR

070824303055
BURT, DIANA B & ROBERT E
6509 GETTYSBURG DR

070824303047
PETERSON, KENT D
& ANN HERROLD-PETERSON
6505 GETTYSBURG DRIVE

070824303039
MARTIN, JEAN PAUL CLAUDE
& ANNIE MARTIN
6501 GETTYSBURG DR

070824303071
NEUMEYER, DONALD & JANE
6517 GETTYSBURG DR

NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS.
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.

1050 1045 1040 1035 1030 1025 1020 1015 1010

283' - 15" RCP @ 0.99%

69' - 15" RCP @ 1.80%

30' - 12" RCP @ 3.12%

36' - 12" RCP @ 1.74%

74' - 15" RCP @ 3.44%

224' - 15" RCP @ 3.46%

53' - 12" RCP @ 0.78%

EX 8" VCP SAN

15+00 16+00 17+00 18+00 19+00 20+00

PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\GETTYSBURG\RCP02001.DGN

DATE: 5/24/2012

STORM SEWER SCHEDULE

* REV. 5-23-12 SCS

STORM WITH RESURFACING 2012	SHEET NO. 6
STORM SEWER SCHEDULE 53W1315 CITY OF MADISON	

STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
	S-1	19+29.15	RT-17.91	H INLET	1026.77	1022.46	4.31	TAP AT 1022.56
	S-2	19+26.75	LT-9.57	6X6 CATCHBASIN	1026.82	1022.86	3.96	(1), W/ 2X R-1550-0054
	S-3	19+31.64	LT-18.59	STORM TAP, EX STRUCTURE	1027.12	1023.60	3.52	TAP AT 1023.60
*	~~S-4~~	~~19+79.49~~	~~LT-9.49~~	~~H INLET~~	~~1027.21~~	~~1023.77~~	~~3.44~~	~~W/ R-3067-7004-V~~
*	~~S-5~~	~~19+80.04~~	~~LT-17.82~~	~~H INLET~~	~~1027.13~~	~~1023.95~~	~~3.18~~	~~W/ R-3067-7004-V~~
	S-6	17+16.79	LT-10.37	3X3 SAS	1035.11	1030.86	4.25	W/ R-1550-0054
	S-7	16+41.31	LT-11.47	3X3 SAS	1038.11	1033.52	4.59	W/ R-1550-0054
	S-8	16+41.49	LT-35.39	H INLET	1038.56	1034.56	4.00	W/ R-3067-7004-V
	S-9	16+05.22	LT-34.64	H INLET	1039.19	1035.29	3.90	W/ R-3067-7004-V
	S-10	15+72.01	LT-16.66	3X6 SAS	1039.35	1034.66	4.69	W/ R-3067-7004-V
	S-11	15+58.19	RT-14.87	H INLET	1039.35	1035.85	3.50	W/ R-3067-7004-V
	S-12	12+89.13	LT-11.59	3X3 SAS	1041.26	1037.56	3.70	W/ R-1550-0054
	S-13	12+91.56	LT-35.72	H INLET	1041.53	1038.02	3.51	W/ R-3067-7004-V
	S-14	12+56.34	LT-35.30	H INLET	1042.42	1038.65	3.77	W/ R-3067-7004-V
	S-15	12+09.56	LT-16.09	3X6 SAS	1042.83	1038.83	4.00	W/ R-3067-7004-V
	S-16	11+71.61	RT-15.74	H INLET	1043.34	1039.40	3.94	W/ R-3067-7004-V
	S-17	11+64.79	RT-15.82	H INLET	1043.43	1039.50	3.93	W/ R-3067-7004-V

PIPES

	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
	P-1	S-1	S-2	29.8	1022.56	1022.86	1.01%	18"	RCP	
	P-2	S-2	S-3	8.7	1023.36	1023.60	2.76%	12"	RCP	
*	~~P-3~~	~~S-2~~	~~S-4~~	~~52.9~~	~~1023.36~~	~~1023.77~~	~~0.78%~~	~~12"~~	~~RCP~~	
*	~~P-4~~	~~S-4~~	~~S-5~~	~~7.9~~	~~1023.87~~	~~1023.95~~	~~1.01%~~	~~12"~~	~~RCP~~	
	P-5	S-2	S-6	224.1	1023.11	1030.86	3.46%	15"	RCP	
	P-6	S-6	S-7	74.4	1030.96	1033.52	3.44%	15"	RCP	
	P-7	S-7	S-8	23.9	1033.77	1034.56	3.31%	12"	RCP	
	P-8	S-8	S-9	36.3	1034.66	1035.29	1.74%	12"	RCP	
	P-9	S-7	S-10	69.2	1033.62	1034.66	1.50%	15"	RCP	
	P-10	S-10	S-11	30.1	1034.91	1035.85	3.12%	12"	RCP	
	P-11	S-10	S-12	282.9	1034.76	1037.56	0.99%	15"	RCP	
	P-12	S-12	S-13	24.3	1037.66	1038.02	1.48%	12"	RCP	
	P-13	S-13	S-14	35.2	1038.12	1038.65	1.51%	12"	RCP	
	P-14	S-12	S-15	79.4	1037.81	1038.83	1.28%	12"	RCP	
	P-15	S-15	S-16	46.9	1038.93	1039.40	1.00%	12"	RCP	
	P-16	S-16	S-17	6.8	1039.40	1039.50	1.47%	12'	RCP	

UTILITY LINE OPENINGS

ULO NO.	STATION	LOCATION (OFFSET)	TYPE
ULO 1	12+35.59	LT-11.49	WATER
ULO 2	13+86.06	LT-11.60	ELECTRIC
ULO 3	14+49.06	LT-11.51	ELECTRIC (2)
ULO 4	14+66.12	LT-11.66	TELEPHONE
ULO 5	15+60.73	RT-9.99	WATER
ULO 6	16+14.52	LT-11.58	WATER
ULO 7	16+14.80	LT-34.78	WATER
ULO 8	19+28.47	RT-9.31	WATER

STORM SEWER REMOVALS

REMOVAL NO.	TYPE	STATION	LOCATION (OFFSET)	FROM	TO	LENGTH	NOTES
R-1	H INLET	19+29.15	RT-17.91	NA	NA	NA	
RP-1	12" RCP	NA	NA	S-1	S-3	36'	UNPAID REMOVAL

SPECIFIC NOTES

(1) STATIONING IS TO CENTER STRUCTURE. INCLUDES 3-FT DEEP SUMP BELOW LISTED E.I.

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT SALLY SWENSON OF CITY ENGINEERING AT (608) 266-4862 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

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

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\GETTYSBURG\STORM SCHEDULE.XLS]SCHEDUL

DATE: 05/23/2012

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 7
PLAN AND PROFILE	
PIPING ROCK - WEST	CITY OF MADISON

PLOT SCALE: .....

PLOT NAME: .....

REV. DATE: .....

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

ROW LIMITS AND PROPERTY BOUNDARIES ARE FROM CITY OF MADISON MAPPING RECORDS AND ARE FOR REFERENCE ONLY

070836105176
HANSON, PAMELA N
6338 PIPING ROCK RD

070836105184
COLLINS, JOEL J
6334 PIPING ROCK RD

070836105192
DEARTH, TIMOTHY J
& CYNTHIA J DEARTH
6330 PIPING ROCK RD

070836105209
PETERSON, DAVID M
6328 PIPING ROCK RD

070836116181
KELLER, DAVID & DEBRA E
1102 WINSTON DR

070836115018
TULPO, BRUCE M J
6337 PIPING ROCK D

070836115290
COLUCCI, LAMONT C
6333 PIPING ROCK RD

070836115282
KUENZLI TRUST, ANNA BELLE
6329 PIPING ROCK ROAD

070836115274
RANE, DONNA M
6325 PIPING ROCK RD

WINSTON DR

REMOVE EXISTING ACCESS

INSTALL NEW SIDEWALK ACCESS

REMOVE AND REPLACE CURB & GUTTER AS NECESSARY (TYP)

MATCH LINE

STA 15+00

BOP Sta = 10+00.00

PC Sta = 14+84.43

Sta 11+20.32 61.42' Lt

Sta 13+62.89 -0.37' Lt

11+00 12+00 13+00 14+00 15+00

R-1 R-2 S-1 P-1 S-2

EX 18" RCP STM

2" STEEL GAS

EX 12" RCP STM

UTILITY TRENCH PATCH TYPE III OR IV TO BE DETERMINED BY CONSTRUCTION INSPECTOR

NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS.
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.

1040 1035 1030 1025 1020 1015 1010 1005 1000

S-1 S-2

P-1 356' - 18" RCP @ 1.00%

EX. 8" VP SAN

EX. 8" VP

10+00 11+00 12+00 13+00 14+00 15+00

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PIPING ROCK\PLAN\RCP01001.DGN

DATE: 1/26/2012

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 8
PLAN AND PROFILE	
PIPING ROCK - WEST CITY OF MADISON	

070836105233
FLOTTMEYER, JOSEPH P
& JANET A FLOTTMEYER
6318 PIPING ROCK RD

070836105225
ADELL, KENDELL R & LAURA
6322 PIPING ROCK RD

070836105217
MUCKIAN, MICHAEL & JEAN
6326 PIPING ROCK RD

070836115266
WALLACE JR, REGINALD
& KARYN KLABOE-WALLACE
6321 PIPING ROCK RD

070836115258
KOSLOSKE, JEFFREY & DEBRA
6317 PIPING ROCK RD

070836115240
GUTWEILER, DAVID J
6313 PIPING ROCK RD

070836115232
RIORDAN, JAMES R
6309 PIPING ROCK RD

070836115224
HAMMER, NORMA L
6301 PIPING ROCK RD

070836107114
ROTHBLATT, DAVID
1125 VALLEY STREAM DR

070836107122
ROTTER, SANFORD & SUSAN
1126 HATHAWAY DR

VALLEY STREAM DR

ROW LIMITS AND PROPERTY BOUNDARIES ARE FROM CITY OF MADISON MAPPING RECORDS AND ARE FOR REFERENCE ONLY

CP #PIP2
N=471324.9070
E=792897.5600
ELEV=1032.3990

CP #PIP3
N=471221.0410
E=793079.7210
ELEV=1040.8090

REMOVE AND REPLACE CURB AND GUTTER A NECESSARY (TYP)

MATCH LINE

MATCH LINE

UTILITY TRENCH PATCH TYPE III OR IV TO BE DETERMINED BY CONSTRUCTION INSPECTOR

PT Sta = 17+74.33

2" STEEL GAS

STA 15+00

STA 20+00

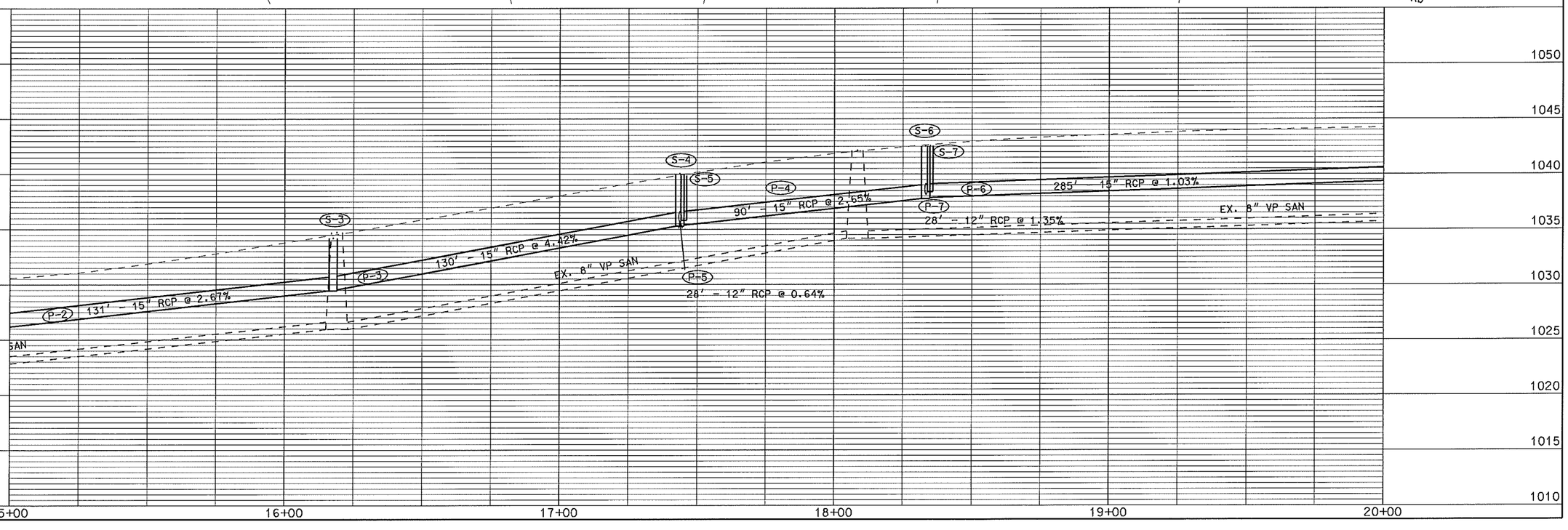
ULO 1

ULO 2

ULO 3

ULO 4

NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS.
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.



PLOT SCALE: .....
PLOT NAME: .....
REV. DATE: .....
ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PIPING ROCK\PLAN\RCP02001.DGN

DATE: 1/26/2012

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 9
PLAN AND PROFILE	
PIPING ROCK - WEST CITY OF MADISON	

070836107122
ROTTER, SANFORD & SUSAN
1126 HATHAWAY DR

070836110109
SHESKI, JOHN F
& CATHLEEN M DONALDSON
1125 HATHAWAY DR

070836115224
HAMMER, NORMA L
6301 PIPING ROCK RD

070836114177
PREISER, TRACY L
6217 PIPING ROCK RD

ROW LIMITS AND PROPERTY BOUNDARIES ARE FROM CITY OF MADISON MAPPING RECORDS AND ARE FOR REFERENCE ONLY

HATHAWAY DR

MATCH LINE

STA 20+00

20+00

21+00

SAN

WV

2" STEEL GAS

ULO 5 ULO 6 ULO 7 ULO 8

S-8 S-9 S-10 S-11 S-12 S-13 S-14 S-18

P-8 P-9 P-10 P-11 P-12 P-13

EOP Sta = 21+86.32

REMOVE AND REPLACE CURB AND GUTTER A NECESSARY (TYP)

UTILITY TRENCH PATCH TYPE III OR IV TO BE DETERMINED BY CONSTRUCTION INSPECTOR

HODGINGTON WAY

NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX INLETS.
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.

1055 1050 1045 1040 1035 1030 1025 1020 1015

P-6 285' - 15" RCP @ 1.03%
34' - 12" RCP @ 0.69%
17' - 12" RCP @ 2.30%
P-8 48' - 12" RCP @ 1.02%
P-10 33' - 12" RCP @ 2.89%
P-12 29' - 12" RCP @ 1.01%
EX. 8" VP SAN

20+00 21+00 22+00 23+00 24+00 25+00

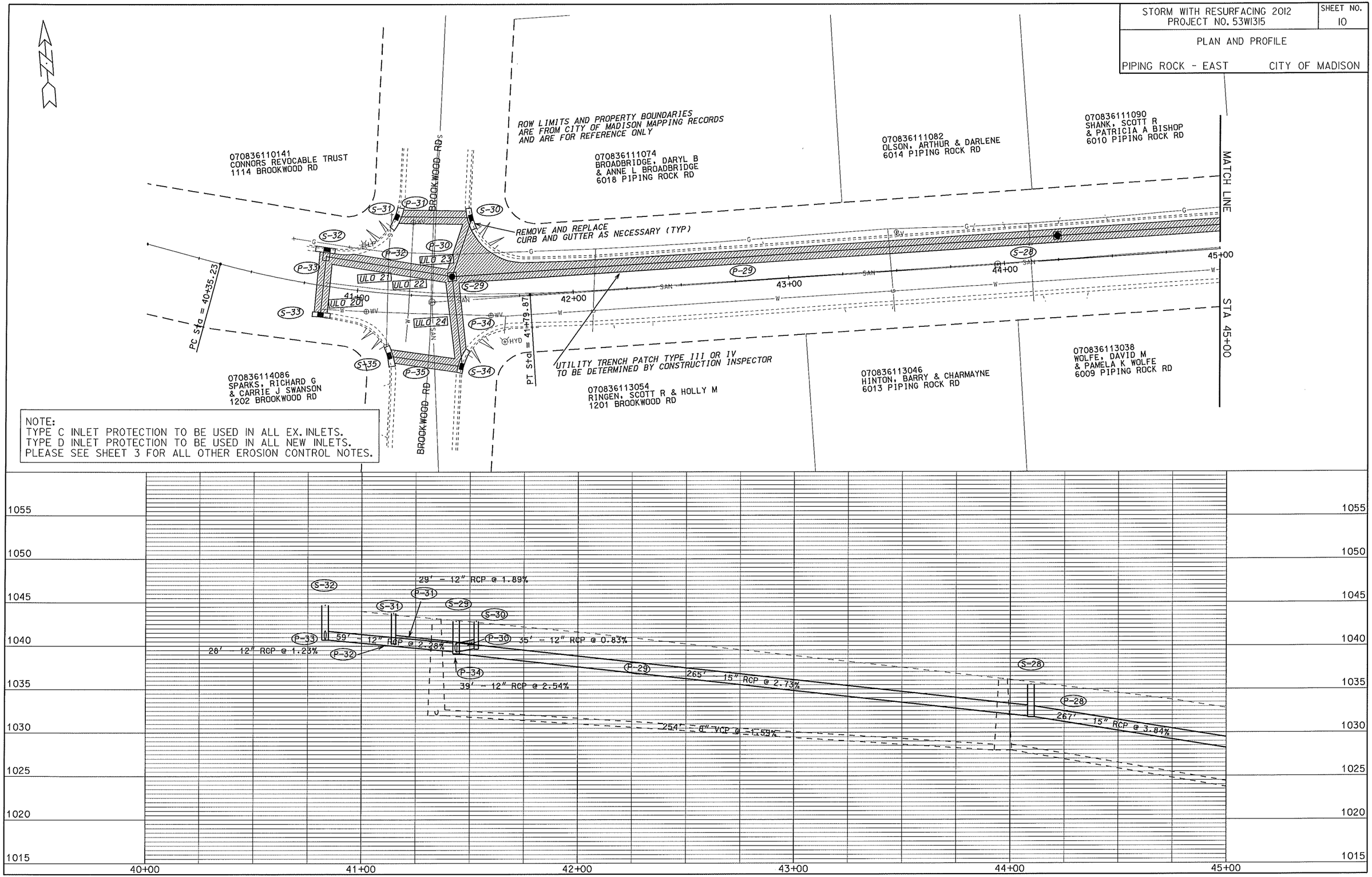
PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PIPING ROCK\PLAN\RCP03001.DGN

DATE: 1/26/2012

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 10
PLAN AND PROFILE	
PIPING ROCK - EAST	CITY OF MADISON

PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY_OF_MADISON.STREETS_DIVISION



NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS.
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PIPING ROCK\PLAN\RCP01002.DGN

DATE: 1/26/2012

STORM WITH RESURFACIN 2012 PROJECT NO. 53W1315	SHEET NO. 11
PLAN AND PROFILE	
PIPING ROCK - EAST CITY OF MADISON	

PLOT SCALE: ----------

PLOT NAME: ----------

REV. DATE: ----------

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

ROW LIMITS AND PROPERTY BOUNDARIES ARE FROM CITY OF MADISON MAPPING RECORDS AND ARE FOR REFERENCE ONLY

070836111107
BOVY, ROBERT W
& MARIANNE CLINGMAN-BOVY
6006 PIPING ROCK RD

070836111115
FRAZEE, WILLIAM J
& SANDRA D FRAZEE
1114 MINTON RD

070836110274
JOHNSON, RICHARD & JANET
5922 PIPING ROCK RD

070931211018
GARBER, DONALD
5914 PIPING ROCK RD

070836113020
WANG, DENGSHUN
WEI HUAN
40 WHITE OAKS LN

070836113012
PUTNAM III, ROGER W
6001 PIPING ROCK RD

070836112014
CULWELL-KANAREK, NATHAN J
& MARIA S CULWELL-KANAREK
1201 MINTON RD

070931210094
FRYE, JEFFREY & MICHELLE
5917 PIPING ROCK RD

070931210086
MORGAN LIVING TRUST
5913 PIPING ROCK RD

MINTON RD

MATCH LINE — STA 45+00

MATCH LINE — STA 50+00

REMOVE AND REPLACE CURB AND GUTTER AS NECESSARY (TYP)

UTILITY TRENCH PATCH TYPE III OR IV TO BE DETERMINED BY CONSTRUCTION INSPECTOR

EX 12" RCP STM

EX 15" RCP STM

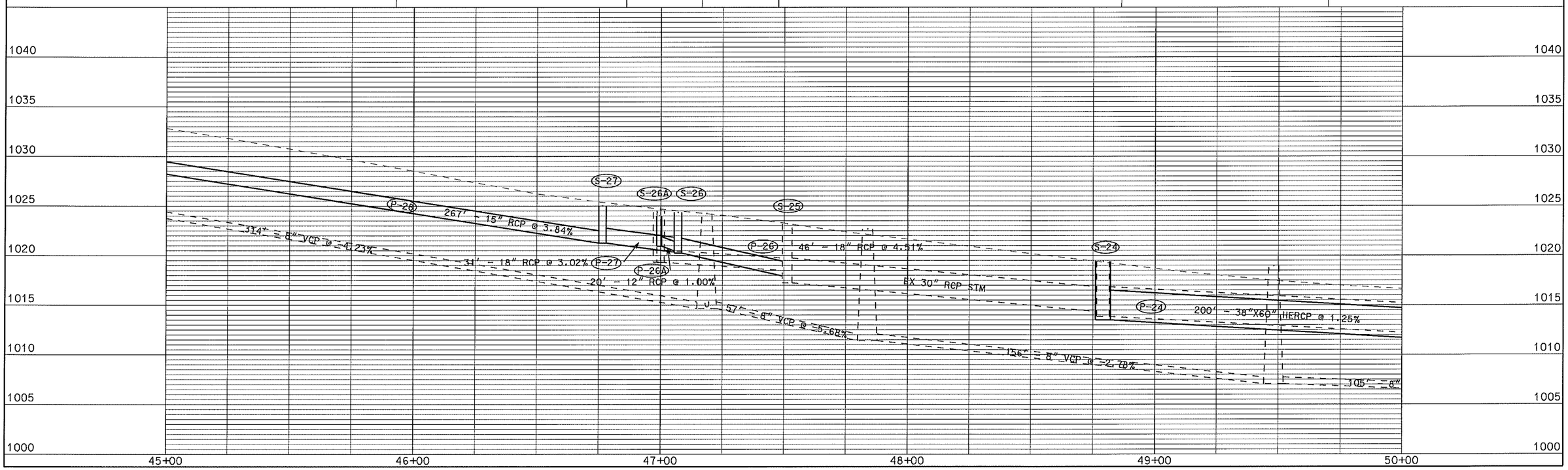
EX 30" RCP STM

EX 18" RCP STM

PC Sta = 48+75.48

PT Sta = 49+08.15

NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS.
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.



FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PIPING ROCK\PLAN\RCP02002.DGN

DATE: 1/26/2012

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 12
PLAN AND PROFILE	
PIPING ROCK - EAST	CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

ROW LIMITS AND PROPERTY BOUNDARIES
ARE FROM CITY OF MADISON MAPPING RECORDS
AND ARE FOR REFERENCE ONLY

070931206150
RUDOLPH, TATIANA L
1141 SUNRIDGE DR

070931206168
TEWS, RYAN L
5902 PIPING ROCK RD

070931206176
BROWN, ERIC S
& KAREN K KIMBALL
5818 PIPING ROCK RD

070931206184
WUNDERLIN, RUSTY L
& KIMBERLEY E WUNDERLIN
5814 PIPING ROCK RD

SUNRIDGE DR

EX 15" RCP STM

EX 18" RCP STM

MATCH LINE

STA 50+00

MATCH LINE

STA 55+00

ULO 28

P-24

S-23

P-23

50+00

51+00

52+00

53+00

54+00

55+00

REMOVE AND REPLACE
CURB AND GUTTER AS NECESSARY (TYP)

UTILITY TRENCH PATCH TYPE III OR IV
TO BE DETERMINED BY CONSTRUCTION INSPECTOR

070931210086
MORGAN LIVING TRUST
5913 PIPING ROCK RD

070931210078
CITY OF MADISON PARKS
SUNRIDGE PARK
5901 PIPING ROCK RD

070931210060
BECKER, GARY
& TANACE MATTHIESEN
5813 PIPING ROCK RD

070931210052
KOMURKA, MARK
5809 PIPING ROCK RD

NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS.
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.

1030
1025
1020
1015
1010
1005
1000
995
990

S-23

200' - 38"X60" HERCP @ 1.25%

P-24

VCP @ -0.95%

EX 36"X60" CMP STM

186' - 8" VCP @ -0.70%

P-23

484' - 38"X60" RCP @ 1.25%

298' - 8" VCP @ -0.93%

50+00

51+00

52+00

53+00

54+00

55+00

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PIPING ROCK\PLAN\RCP03002.DGN

DATE: 1/26/2012

STORM SEWER SCHEDULE

* REV. 5-23-12 SCS

STORM WITH RESURFACING 2012	SHEET NO.
PROJECT NO. 53W1315	14
STORM SEWER SCHEDULE SHEET 1	
PIPING ROCK RD	CITY OF MADISON

STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
	WEST ALIGNMENT							
	S-1	11+34.19	LT-12.66	6X7 CATCHBASIN	1026.69	1022.06	4.63	(1), (2), (6), W/ 2 x R-3067-7004-V
	S-2	14+90.44	LT-16.64	3X6 SAS	1030.16	1025.72	4.44	FP, (3), W/ R-3067-7004-V
	S-3	16+17.58	LT-9.14	3X3 SAS	1034.20	1029.45	4.75	W/ R-1550-0054
	S-4	17+43.65	LT-16.83	3X6 SAS	1040.04	1035.29	4.75	(3), W/ R-3067-7004-V
	S-5	17+45.09	RT-15.94	H INLET	1039.87	1035.82	4.05	FP, W/ R-3067-7004-V
	S-6	18+33.24	LT-17.21	3X6 SAS	1042.53	1037.78	4.75	FP, (3), W/ R-3067-7004-V
	S-7	18+34.91	RT-15.71	H INLET	1042.56	1038.41	4.15	W/ R-3067-7004-V
	S-8	21+18.18	LT-8.04	3X3 SAS	1045.31	1040.81	4.50	W/ R-1550-0054
	S-9	21+19.46	LT-27.03	3X6 SAS	1045.58	1041.46	4.12	FP, (3), W/ R-3067-7004
	S-10	20+84.01	LT-36.01	H INLET	1044.80	1041.79	3.01	W/ R-3067-7004-V
	S-11	21+82.73	LT-30.22	3X6 SAS	1045.55	1041.55	4.00	FP, (3), W/ R-3067-7004
	S-12	20+91.57	RT-43.86	H INLET	1045.01	1041.98	3.03	W/ R-3067-7004-V
	S-13	21+51.26	LT-13.33	3X6 SAS	1046.02	1042.02	4.00	FP, (3), W/ R-3067-7004-V
	S-14	21+56.38	RT-19.46	H INLET	1046.08	1042.41	3.67	W/ R-3067-7004-V
	EAST ALIGNMENT							
*	**S-20**	57+47.39	LT-3.85	STORM TAP	--	**1000.20**	--	(4) *
	S-21	57+40.71	RT-67.88	3X6 SAS	1004.24	1001.04	3.20	FP, (3), W/ R-3067-7004-V
	S-22	55+71.33	RT-.23	5X7 SAS	1010.50	1004.50	6.00	FP, (2), (4), W/ R-1550-0054
*	**S-23**	50+79.64	RT-.36	4X6 SAS	1016.21	1010.55	5.66	FP, (5), ~~PER S.D.D. 5.7.9A~~, W/ R-1550-0054
	S-24	48+79.03	CL	5X7 SAS	1019.40	1013.50	5.90	FP, (2), W/ R-1550-0054
	S-25	47+51.36	LT-.45	STORM TAP	1023.20	1018.25	4.95	EX STRUCTURE
	S-26	47+07.03	LT-11.52	3X3 SAS	1024.36	1020.25	4.11	W/ R-1550-0054
	S-26A	46+99.34	LT-30.36	H INLET	1024.02	1020.95	3.07	W/ R-3067-7004
	S-27	46+76.53	LT-16.52	3X6 SAS	1025.03	1021.27	3.76	FP, (3), W/ R-3067-7004-V
	S-28	44+09.68	LT-11.07	3X3 SAS	1035.52	1031.77	3.75	W/ R-1550-0054
	S-29	41+43.72	LT-9.18	3X3 SAS	1042.85	1039.10	3.75	W/ R-1550-0054
	S-30	41+52.98	LT-36.48	H INLET	1042.84	1039.64	3.20	W/ R-3067-7004-V
	S-31	41+14.80	LT-35.53	H INLET	1043.78	1040.28	3.50	W/ R-3067-7004
	S-32	40+83.01	LT-17.16	3X6 SAS	1044.70	1040.70	4.00	FP, (3), W/ R-3067-7004-V
	S-33	40+84.68	RT-14.00	H INLET	1044.64	1041.14	3.50	W/ R-3067-7004-V
	S-34	41+48.99	LT-32.16	H INLET	1042.91	1039.78	3.13	W/ R-3067-7004-V
	S-35	41+16.78	RT-28.64	H INLET	1043.65	1040.25	3.40	W/ R-3067-7004

PIPES

	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
	P-1	S-1	S-2	355.8	1022.16	1025.72	1.00%	18"	RCP	
	P-2	S-2	S-3	130.5	1025.97	1029.45	2.67%	15"	RCP	
	P-3	S-3	S-4	130.0	1029.55	1035.29	4.42%	15"	RCP	
	P-4	S-4	S-6	90.3	1035.39	1037.78	2.65%	15"	RCP	
	P-5	S-4	S-5	28.1	1035.64	1035.82	0.64%	12"	RCP	
	P-6	S-6	S-8	285.1	1037.88	1040.81	1.03%	15"	RCP	
	P-7	S-6	S-7	28.1	1038.03	1038.41	1.35%	12"	RCP	
	P-8	S-8	S-9	17.4	1041.06	1041.46	2.30%	12"	RCP	
	P-9	S-9	S-10	33.6	1041.56	1041.79	0.68%	12"	RCP	
	P-10	S-8	S-11	48.1	1041.06	1041.55	1.02%	12"	RCP	
	P-11	S-11	S-12	33.3	1041.65	1041.98	0.99%	12"	RCP	
	P-12	S-8	S-13	33.2	1041.06	1042.02	2.89%	12"	RCP	
	P-13	S-13	S-14	28.8	1042.12	1042.41	1.01%	12"	RCP	
*	**P-20**	S-20	S-21	71.6	**1000.20**	1001.04	**1.17%**	18"	RCP	
	P-23	S-22	S-23	483.6	1004.50	1010.55	1.25%	38"X60"	HERCP	
	P-24	S-23	S-24	200.1	1010.65	1013.50	1.42%	38"X60"	HERCP	
	P-26	S-25	S-26	45.7	1018.19	1020.25	4.51%	18"	RCP	
	P-27	S-26	S-27	30.5	1020.35	1021.27	3.02%	18"	RCP	
	P-26A	S-26	S-26A	20.0	1020.75	1020.95	1.00%	12"	RCP	
	P-28	S-27	S-28	266.8	1021.52	1031.77	3.84%	15"	RCP	
	P-29	S-28	S-29	265.1	1031.87	1039.10	2.73%	15"	RCP	
	P-30	S-29	S-30	35.1	1039.35	1039.64	0.83%	12"	RCP	
	P-31	S-30	S-31	28.6	1039.74	1040.28	1.89%	12"	RCP	
	P-32	S-29	S-32	59.1	1039.35	1040.70	2.28%	12"	RCP	
	P-33	S-32	S-33	27.6	1040.80	1041.14	1.23%	12"	RCP	
	P-34	S-29	S-34	41.7	1039.35	1039.78	1.03%	12"	RCP	
	P-35	S-34	S-35	34.6	1039.88	1040.25	1.07%	12"	RCP	

SPECIFIC NOTES

(1) STATIONING IS TO CENTER STRUCTURE. INCLUDES 3-FT DEEP SUMP - BELOW LISTED E.I.
(2) STRUCTURE ROOF TO BE CONSTRUCTED WITH #6 REBAR, 6" CENTER-TO-CENTER, IN BOTH DIRECTIONS
(3) TOP OF CASTING = TOP OF CURB, STATIONING IS TO FACE OF CURB
(4) E.I. OF STRUCTURE IS APPROXIMATE. EXACT E.I. TO BE DETERMINED WITH ULO DATA.
(5) TAP EXISTING 12" RCP INTO NEW 38"X60" HERCP
(6) 7' DIMENSION IS PARALLEL TO ROAD CL

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT SALLY SWENSON OF CITY ENGINEERING AT (608) 266-4862 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

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

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PIPING ROCK\STORM SCHEDULE.XLS]SCHEDUL

DATE: 05/24/2012

STORM SEWER REMOVALS AND ULOs

STORM WITH RESURFACING 2012	SHEET NO.
PROJECT NO 53W1315	15
STORM SEWER REMOVAL AND ULO SCHEDULE	
PIPING ROCK RD	CITY OF MADISON

STORM SEWER STRUCTURE REMOVALS

STRUCTURE REMOVAL NO.	STRUC. ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
WEST ALIGNMENT					
R-1	IN 2563-051	11+20.32	LT-16.22	H INLET	PIPE PLUG (12")
R-2	IN 2563-050	11+26.17	LT-16.17	H INLET	PIPE PLUG (12")
EAST ALIGNMENT					
R-20	IN 3064-004	46+86.85	LT-18.43	H INLET	
R-21	IN 3064-006	46+99.57	LT-30.06	H INLET	
R-22	AS 3064-002	46+98.37	LT-17.56	3X3 SAS	
R-23	IN 3164-017	57+39.14	RT-56.42	H INLET	

STORM SEWER PIPE REMOVALS

PIPE REMOVAL NO.	FROM (UPSTREAM)	TO (DWNSTREAM)	LENGTH (FT)	TYPE	PAID (Y/N)
RP-20	R-20	R-22	12	RCP	Y
RP-21	R-21	R-22	13	RCP	Y
RP-22	R-22	S-25	68	RCP	N
RP-23	R-23	S-20	58	RCP	PARTIAL (36')

UTILITY LINE OPENINGS (ULOs)

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
WEST ALIGNMENT				
ULO 1	17+44.15	RT-9.16	WATER	
ULO 2	17+96.11	LT-11.99	WATER	
ULO 3	18+04.72	LT-12.19	GAS	
ULO 4	18+34.89	RT-9.73	WATER	
ULO 5	20+82.24	LT-8.75	GAS	
ULO 6	20+91.04	LT-8.44	WATER	
ULO 7	21+16.68	LT-18.81	GAS	
ULO 8	21+55.10	RT-13.99	WATER	
EAST ALIGNMENT				
ULO 20	40+84.64	RT-10.80	WATER	
ULO 21	41+13.16	LT-12.64	GAS	
ULO 22	41+23.78	LT-11.79	WATER	
ULO 23	41+47.04	LT-19.75	GAS	
ULO 24	41+45.06	RT-8.21	WATER	
ULO 25	47+03.73	LT-19.62	GAS	
ULO 26	47+27.64	LT-6.14	WATER	
ULO 27	47+36.54	LT-4.29	GAS	
ULO 28	50+53.65	RT-.47	WATER	
ULO 29	55+65.38	RT-.66	STORM SEWER	EDGE OF 7X3 STORM BOX
ULO 30	57+47.39	-3.85	STORM SEWER	EXISTING TAP

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

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PIPING ROCK\STORM SCHEDULE.XLS DATE: 01/26/2012

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 16
PLAN AND PROFILE PRAIRIE ROAD AT JACOBS WAY	CITY OF MADISON

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

CITY OF MADISON GREENWAY

EX AE 2966-021
INV=1019.01

EX IN 2966-017
INV=1019.08

CP #PRA2
N=468727.8500
E=793212.2610
ELEV=1024.3400

EX IN 3066-013
INV=1019.37

1502

CP #PRA3
N=468968.4480
E=793208.3410
ELEV=1025.8230

CP #PRA1
N=469019.3490
E=793294.4650
ELEV=1026.1520

REMOVE & REPLACE CURB & GUTTER

REMOVE & REPLACE CURB & GUTTER

JACOBS WAY

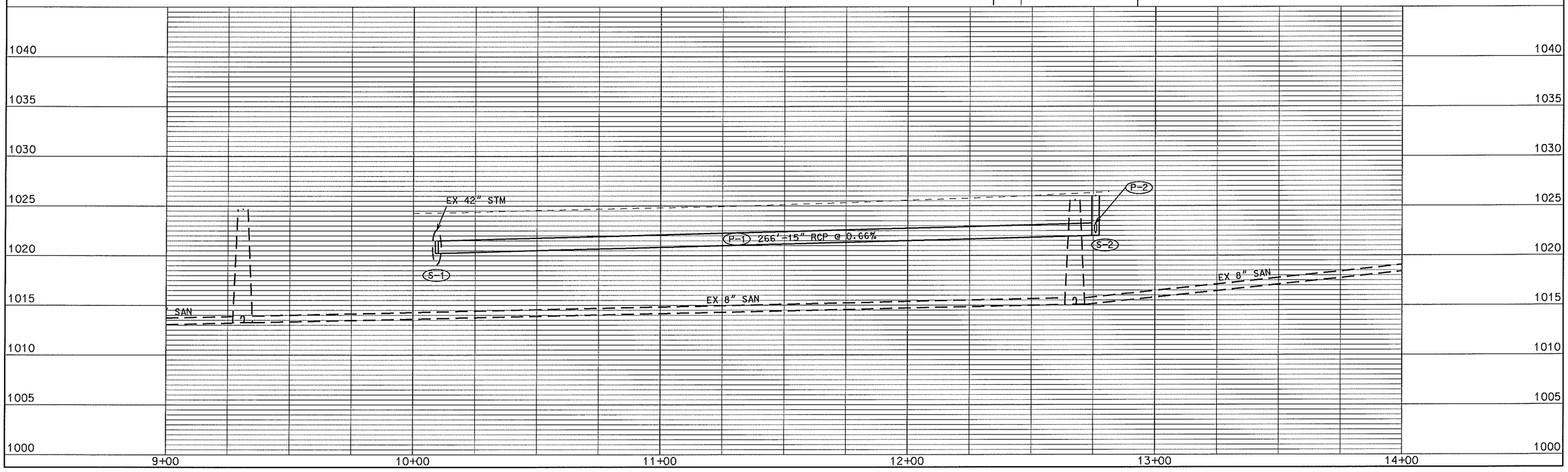
PRAIRIE RD

UTILITY TRENCH PATCH TYPE III OR TYPE IV TO BE DETERMINED BY THE CONSTRUCTION INSPECTOR.

BOP Sta = 10+00.00

EDP Sta = 13+29.76

NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS,
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.



FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\LOMAX LN\PLAN\RCP01001.DGN

STORM SEWER SCHEDULE

ALIGNMENT CODES:

"PR"= PRAIRIE RD

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 17
PRAIRIE RD AT JACOBS WAY STORM SEWER SCHEDULE	CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	10'PR'+09.51	LT-15.65	TAP	-	1020.25	-	MATCH SPRINGLINES
S-2	12'PR'+75.89	LT-15.17	3X3 SAS	1026.00	1022.00	4.00	W/ R-1550-0054
S-2A	13'PR'+11.86	LT-21.78	H INLET	1026.60	1023.20	3.40	W/ R-3067-7004
S-3	12'PR'+83.17	LT-54.69	H INLET	1026.64	1022.45	4.19	W/ R-3067-7004
S-4	12'PR'+52.33	LT-53.97	H INLET	1025.76	1022.61	3.15	W/ R-3067-7004

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	266	1020.25	1022.00	0.66%	15"	RCP	-
P-2	S-2	S-3	40	1022.25	1022.45	0.50%	12"	RCP	-
P-2A	S-2	S-2A	36	1022.25	1023.20	2.64%	12"	RCP	-
P-3	S-3	S-4	31	1022.45	1022.61	0.52%	12"	RCP	-

ULO'S

NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
ULO-1	12'PR'+78.49	LT-29.92	GAS	-

SPECIFIC NOTES

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

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

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\LOMAX LN\PLAN\STORMSCHEDULE JACOBS.XLS

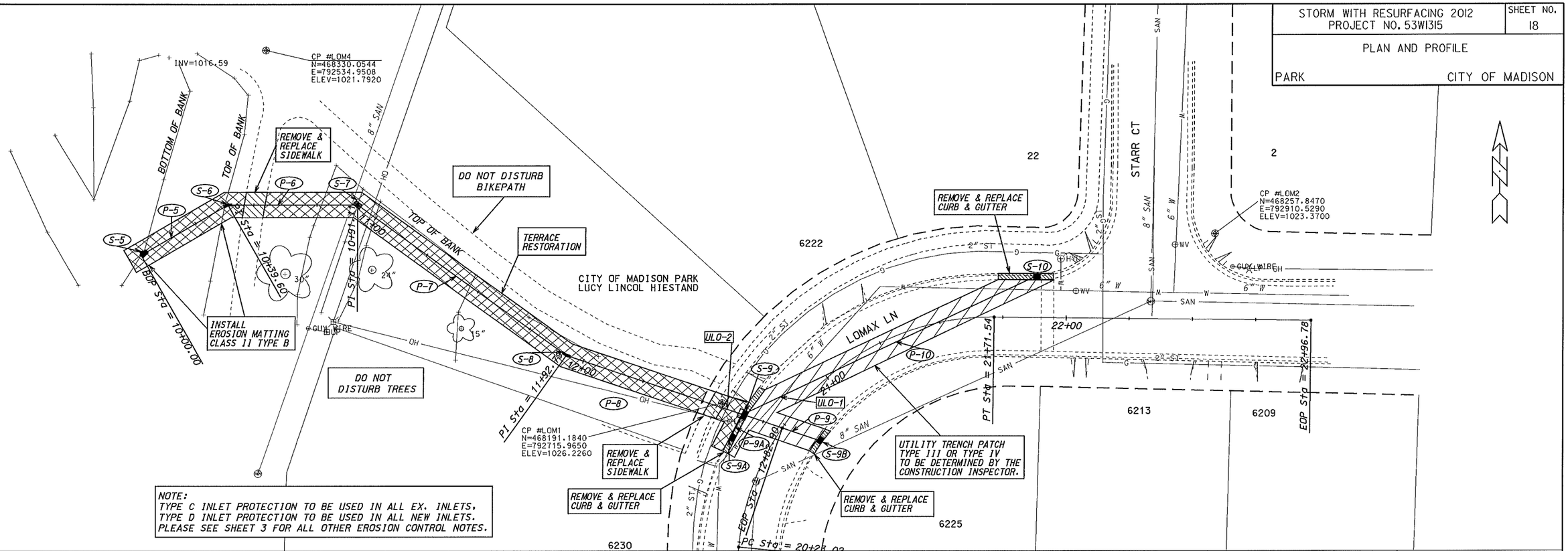
DATE: 01/25/2012

STORM WITH RESURFACING 2012
PROJECT NO. 53W1315

SHEET NO. 18

PLAN AND PROFILE

PARK — CITY OF MADISON



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PLOT NAME: .....

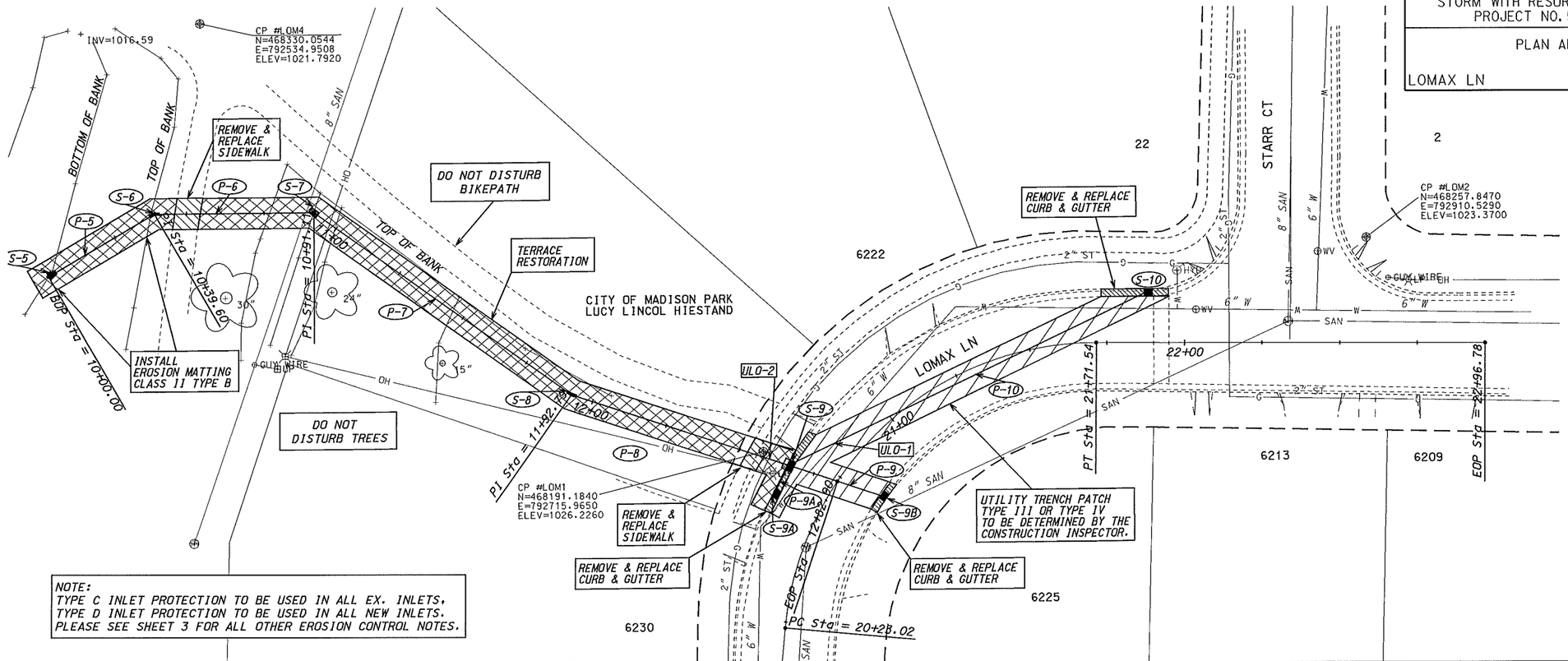
REV. DATE: .....

ORIGINATOR: CITY_OF_MADISON\STREETS_DIVISION

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\LOMAX LN\PLAN\RCP01003.DGN

DATE: 1/25/2012

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 19
PLAN AND PROFILE	
LOMAX LN	CITY OF MADISON



PLOT SCALE: ----------

PLOT NAME: ----------

REV. DATE: ----------

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\LOMAX LN\PLAN\RCP01002.DGN

DATE: 1/25/2012

STORM SEWER SCHEDULE

ALIGNMENT CODES:
"P"= PARK
"LL"= LOMAX LN

STORM WITH RESURFACING 2012	SHEET NO.
PROJECT NO. 53W1315	20

LOMAX LN
STORM SEWER SCHEDULE — CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-5	10'P'+00.00	CL	15" APRON END	-	1017.19	-	W/ GATE
S-6	10'P'+39.60	CL	FIELD BEND	-	1017.77	-	-
S-7	10'P'+91.11	CL	H INLET	1021.53	1018.53	3.00	W/ R-1878-B7G
S-8	11'P'+92.79	CL	FIELD BEND	-	1019.83	-	-
S-9	20'LL'+69.56	LT-15.95	3X3 SAS	1025.83	1020.79	5.04	FP; W/ R-3067-7004
S-9A	20'LL'+60.92	LT-15.60	H INLET	1026.05	1022.65	3.40	W/ R-3067-7004
S-9B	20'LL'+78.56	RT-15.65	H INLET	1025.73	1022.33	3.40	W/ R-3067-7004
S-10	21'LL'+88.19	LT-16.58	H INLET	1023.73	1021.43	2.30	FP; W/ R-3067-7004

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-5	S-5	S-6	39	1017.19	1017.77	1.49%	15"	RCP	-
P-6	S-6	S-7	51	1017.77	1018.53	1.49%	15"	RCP	-
P-7	S-7	S-8	102	1018.53	1019.83	1.27%	15"	RCP	-
P-8	S-8	S-9	74	1019.83	1020.79	1.30%	15"	RCP	-
P-9	S-9	S-9B	33	1022.16	1022.33	0.52%	12"	RCP	-
P-9A	S-9	S-9A	10	1022.16	1022.65	4.90%	12"	RCP	-
P-10	S-9	S-10	128	1020.79	1021.43	0.50%	12"	RCP	NCM

ULO'S

NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
ULO-1	20'LL'+82.14	LT-7.94	WATER	-
ULO-2	20'LL'+68.30	LT-22.35	GAS	-

SPECIFIC NOTES

STANDARD NOTES:

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

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\LOMAX LN\PLAN\STORMSCHEDULE LOMAX.XLS

DATE: 01/25/2012

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 21
PLAN AND PROFILE	
RAYMOND ROAD — CITY OF MADISON	

REVISED 2/1/12 EEA
REVISED 6/19/12 EEA

PLOT SCALE: ----------
PLOT NAME: ----------
REV. DATE: ----------
ORIGINATOR: CITY_OF_MADISON.SIBEETS_DIVISION

UTILITY TRENCH PATCH TYPE III
2" MILL & OVERLAY

CITY OF MADISON
GREENAY

RAYMOND RD

6306 6302 6226 6222 6218 6214

MATCH LINE

STA 15+00

S-11 ULO-1 ULO-2 P-11 S-12 P-12

11+00 12+00 13+00 14+00 15+00

80' STA 10+00

48" RCP ST

2" MILL & OVERLAY AREA

UTILITY TRENCH PATCH TYPE III

NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS.
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.

ULO-1
FO=TOP 6" PVC
1020.14

ULO-2
FLEC=TOP 8" PVC
1019.91

EX 48" STM

P-11 360'-15" RCP @ 0.68%

P-12 300'-15" RCP @ 0.83%

EX 8" SAN

1040 1035 1030 1025 1020 1015 1010 1005 1000

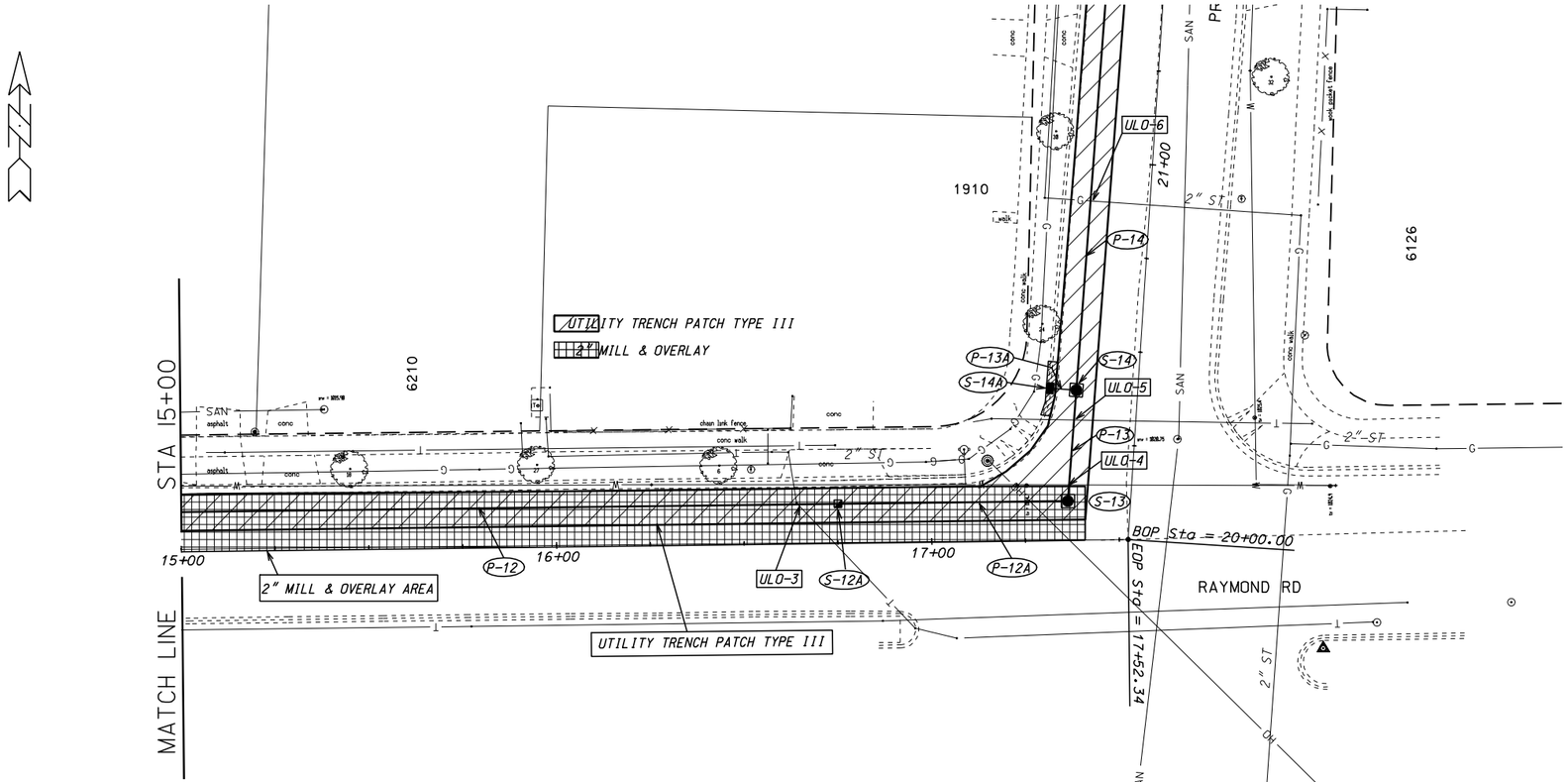
10+00 11+00 12+00 13+00 14+00 15+00

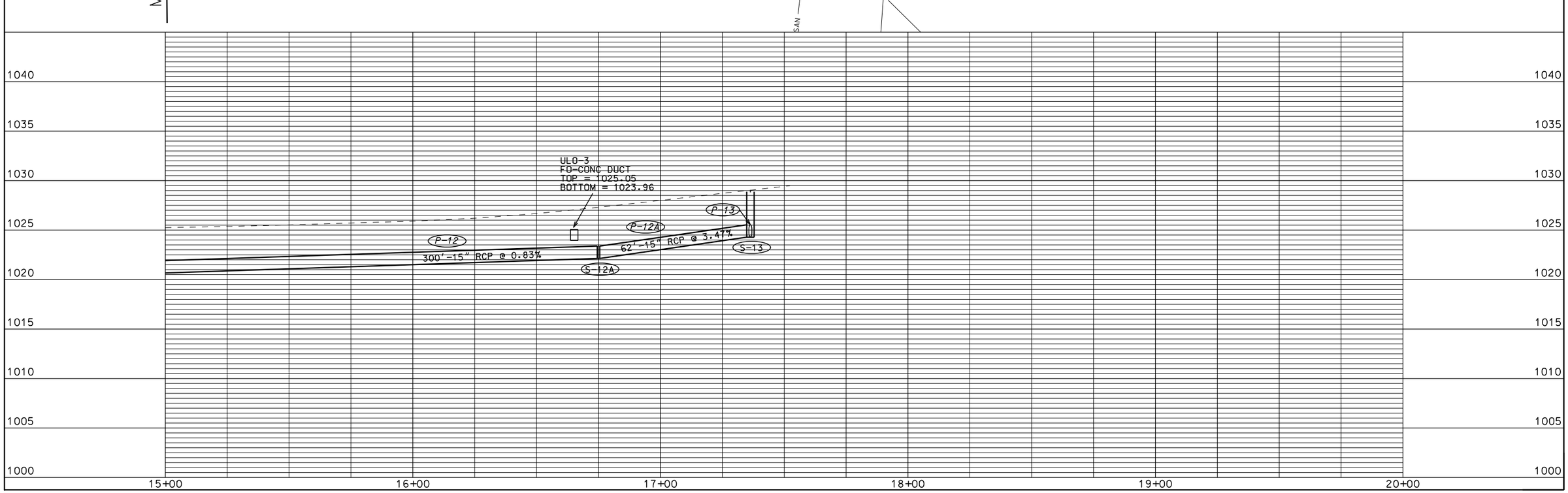
FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PRAIRIE RD\PLAN\RCP01001.DGN

DATE: 6/21/2012

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 22
PLAN AND PROFILE	
RAYMOND ROAD	CITY OF MADISON

REVISED 2/1/12 EEA
REVISED 6/19/12 EEA





NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS,
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.

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

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PRAIRIE RD\PLAN\RCP02001.DGN
DATE: 6/21/2012

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 23
PLAN AND PROFILE	
PRAIRIE ROAD	CITY OF MADISON

TWO 1.25" I.D. DUCTS W/ F.O. PROBABLE CONFLICT CITY TO EXPOSE AND MOUNT HOREB TELEPHONE COMPANY TO RAISE/ LOWER AS REQUIRED DURING THIS PROJECT

REMOVE & REPLACE CURB & GUTTER

UTILITY TRENCH PATCH TYPE III OR TYPE IV TO BE DETERMINED BY THE CONSTRUCTION INSPECTOR.

REMOVE & REPLACE CURB & GUTTER

REMOVE & REPLACE CURB & GUTTER

REMOVE & REPLACE CURB & GUTTER

P-12 S-13 P-13 P-13A S-14A S-14 ULO-4 ULO-5 ULO-6 P-14 ULO-7 S-15 P-15 P-15A P-16 ULO-8 S-16 S-16A P-17 S-17 S-18

EOP Sta = 17+52.34

BOP Sta = 20+00.00

EOP Sta = 23+68.58

BOP Sta = 23+04.46

RAYMOND RD

PRAIRIE RD

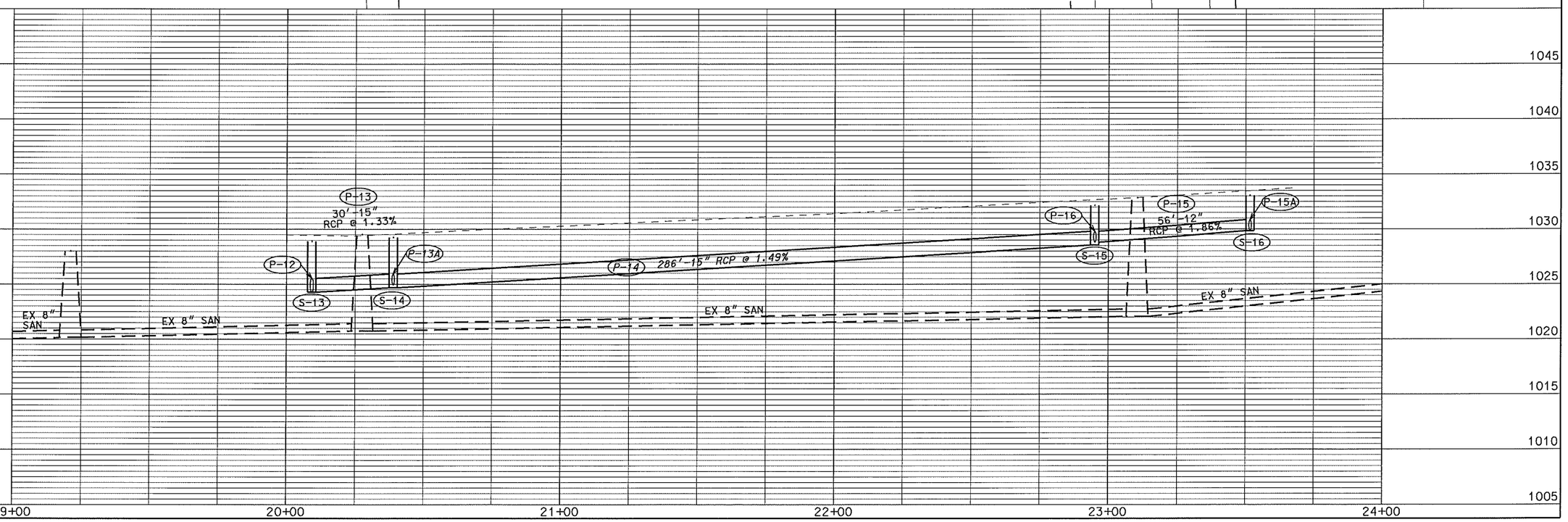
BIRCH HILL DR

1906 1910 1810 1813 1809

6201 6202 6126 6133

17+00 21+00 22+00 23+00

NOTE:
TYPE C INLET PROTECTION TO BE USED IN ALL EX. INLETS,
TYPE D INLET PROTECTION TO BE USED IN ALL NEW INLETS.
PLEASE SEE SHEET 3 FOR ALL OTHER EROSION CONTROL NOTES.



PLOT SCALE: ----------

PLOT NAME: ----------

REV. DATE: ----------

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PRAIRIE RD\PLAN\RCP01002.DGN

DATE: 1/26/2012

STORM SEWER SCHEDULE

ALIGNMENT CODES:

"PR"= PRAIRIE RD
"RR"= RAYMOND RD

* **REVISED 6/19/12**

STORM WITH RESURFACING 2012 PROJECT NO. 53W1315	SHEET NO. 24
PRAIRIE RD AT RAYMOND RD STORM SEWER SCHEDULE	CITY OF MADISON

STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
	S-11	10'RR'+14.71	LT-9.06	3X3 SAS SADDLED	1022.00	1012.47	9.53	FP; W/ R-1550-0054
	S-12	13'RR'+74.71	LT-9.72	3X3 SAS	1024.24	1019.64	4.60	W/ R-3067-7004
*	**S-12A**	**16'RR'+75.00**	**LT-10.00**	**CONCRETE COLLAR**	**-**	**1022.14**	**-**	**-**
	S-13	17'RR'+36.37	LT-10.39	3X3 SAS	1028.89	1024.29	4.60	W/ R-1550-0054
	S-14	20'PR'+38.79	LT-16.39	3X3 SAS	1029.26	1024.69	4.57	W/ R-1550-0054
	S-14A	20'PR'+38.89	LT-23.20	H INLET	1029.47	1025.47	4.00	W/ R-3067-7004
	S-15	22'PR'+95.01	LT-13.71	3X3 SAS	1032.16	1028.56	3.60	W/ R-1550-0054
	S-16	23'PR'+51.62	LT-21.32	H INLET	1033.05	1029.85	3.20	W/ R-3067-7004
	S-16A	23'PR'+58.91	RT-22.00	H INLET	1033.48	1030.28	3.20	W/ R-3067-7004
	S-17	22'PR'+92.97	LT-44.90	H INLET	1032.37	1029.17	3.20	W/ R-3067-7004
	S-18	23'PR'+26.88	LT-46.32	H INLET	1033.04	1029.64	3.40	W/ R-3067-7004

PIPES

	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
	P-11	S-11	S-12	360	1017.20	1019.64	0.68%	15"	RCP	-
*	P-12	S-12	**S-12A**	**300**	1019.64	**1022.14**	**0.83%**	15"	RCP	-
*	**P-12A**	**S-12A**	S-13	**62**	**1022.14**	1024.29	**3.47%**	15"	RCP	-
	P-13	S-13	S-14	30	1024.29	1024.69	1.33%	15"	RCP	-
	P-13A	S-14	S-14A	7	1024.94	1025.47	7.57%	12"	RCP	-
	P-14	S-14	S-15	286	1024.69	1028.56	1.49%	15"	RCP	-
	P-15	S-15	S-16	56	1028.81	1029.85	1.86%	12"	RCP	-
	P-15A	S-16	S-16A	44	1029.85	1030.28	0.98%	12"	RCP	-
	P-16	S-15	S-17	31	1028.81	1029.17	1.16%	12"	RCP	-
	P-17	S-17	S-18	32	1029.17	1029.64	1.47%	12"	RCP	-

ULO'S

NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
ULO-1	10'RR'+54.58	LT-8.46	TELEPHONE	
ULO-2	10'RR'+61.81	LT-8.65	ELEC	
ULO-3	16'RR'+63.95	LT-10.39	TELEPHONE	
ULO-4	20'PR'+13.48	LT-16.78	WATER	
ULO-5	20'PR'+30.74	LT-16.51	TELEPHONE	
ULO-6	20'PR'+89.34	LT-15.85	GAS	
ULO-7	22'PR'+90.23	LT-13.87	GAS	
ULO-8	23'PR'+00.67	LT-14.81	WATER	

SPECIFIC NOTES

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
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PLOT SCALE: _ _ _
PLOT NAME: _ _ _
REV. DATE: _ _ _
ORIGINATOR: CITY OF MADISON STREETS DIVISION

FILE NAME: M:\DESIGN\SEWER\DGN\53W1315\PRAIRIE RD\PLAN\STORMSCHEDULE RAYMOND.XI

DATE: 06/21/2012