CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

Madison, Wisconsin

STORM SEWER WITH RESURFACING 2014

CITY PROJECT NO. 53W1699

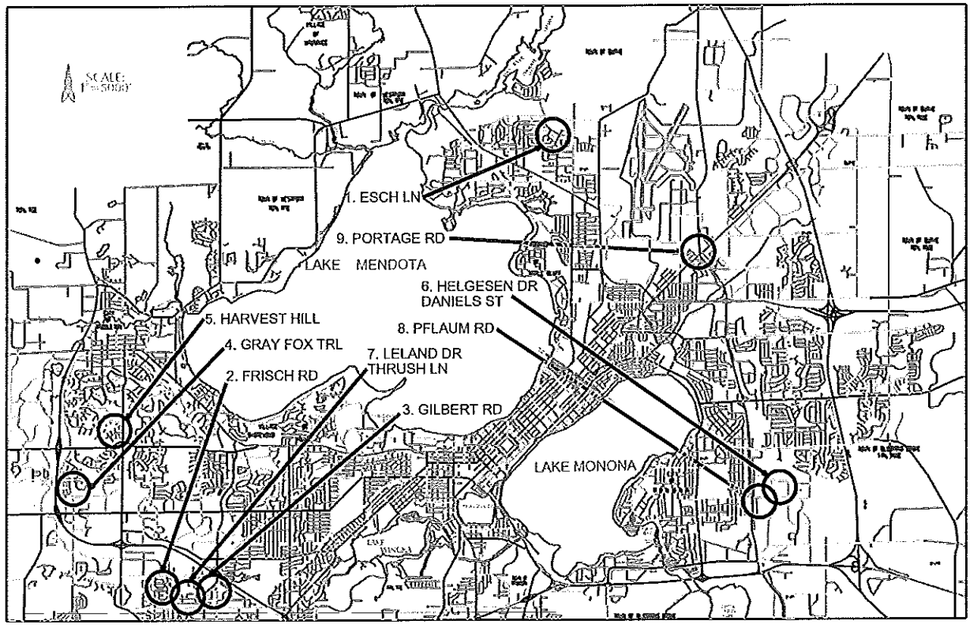
CONTRACT NO. 7232

INDEX OF SHEETS

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	CAUTION



CONSTRUCTION PROJECT LOCATIONS

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 25, 2014

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

for City Engineer — Date 3-13-14

STORM SEWER DESIGNED BY:

WISCONSIN 03-12-2014 ERIC L. DUNDEE E-40126 SUN PRAIRIE WI PROFESSIONAL ENGINEER

WATER DESIGNED BY:

WISCONSIN 3-12-14 KELLY B. MIESS E-41821 MADISON WI PROFESSIONAL ENGINEER

PLOT SCALE: ____

PLOT NAME: ____

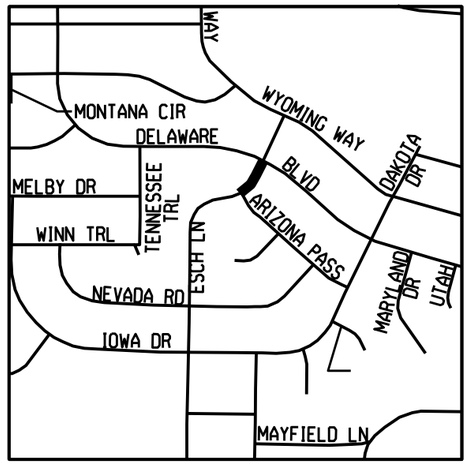
REV. DATE: ____

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

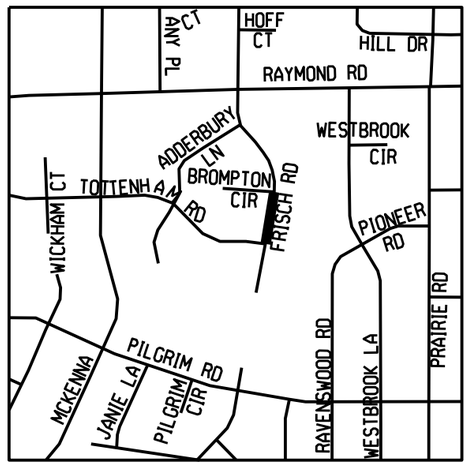
FILE NAME: $$....designfile....$$

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

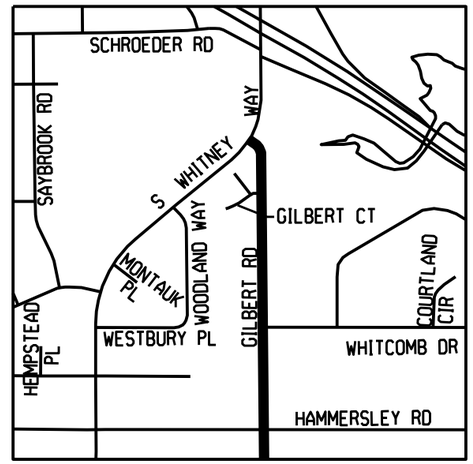
STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. 2
PROJECT LOCATION MAPS CITY OF MADISON	



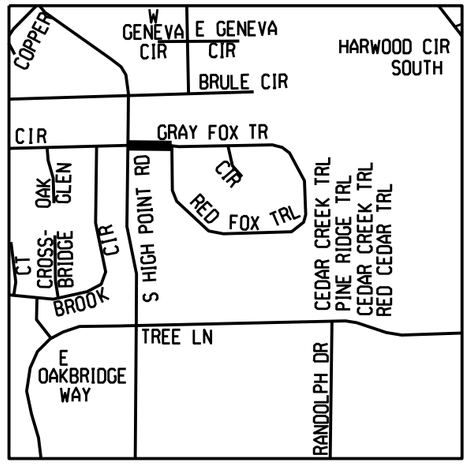
1 - ESCH LN



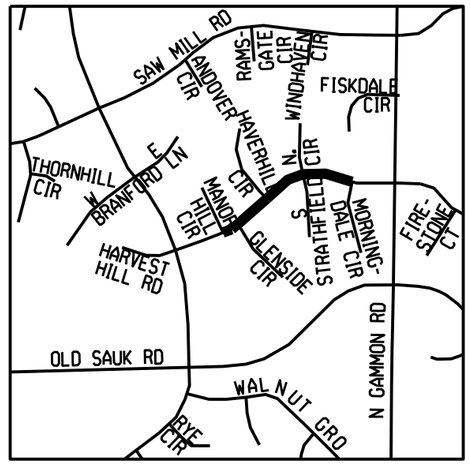
2 - FRISCH RD



3 - GILBERT RD



4 - GRAY FOX TRL



5 - HARVEST HILL

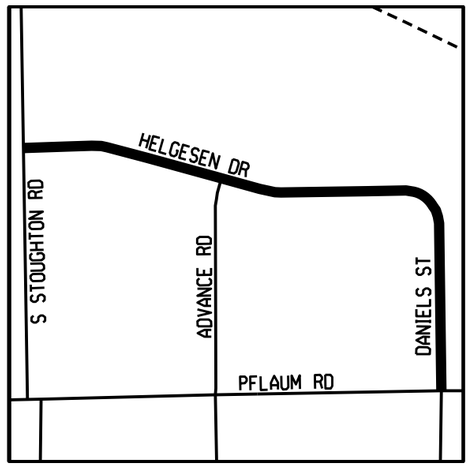
SCALE:
1"=1000'

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

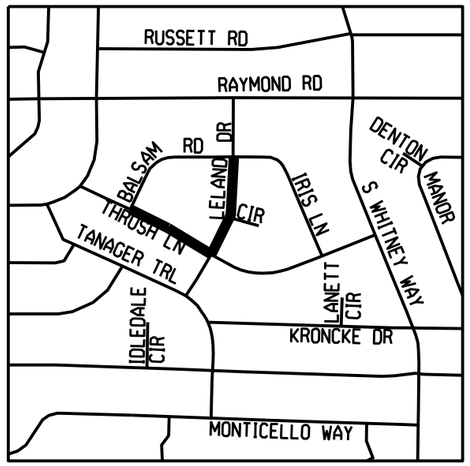
FILE NAME: $$....designfile....$$

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

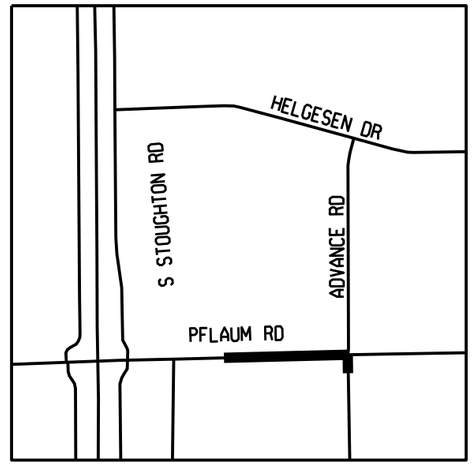
STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. 3
PROJECT LOCATION MAPS CITY OF MADISON	



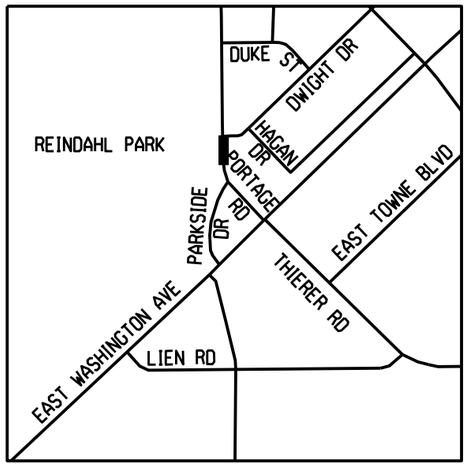
6 - HELGESEN DR / DANIELS ST



7 - LELAND DR / THRUSH LN



8 - PFLAUM RD



9 - PORTAGE RD

SCALE:
1"=1000'

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

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

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

REVISED 03/21/2014 ELD

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. 4
STORM SEWER QUANTITIES	

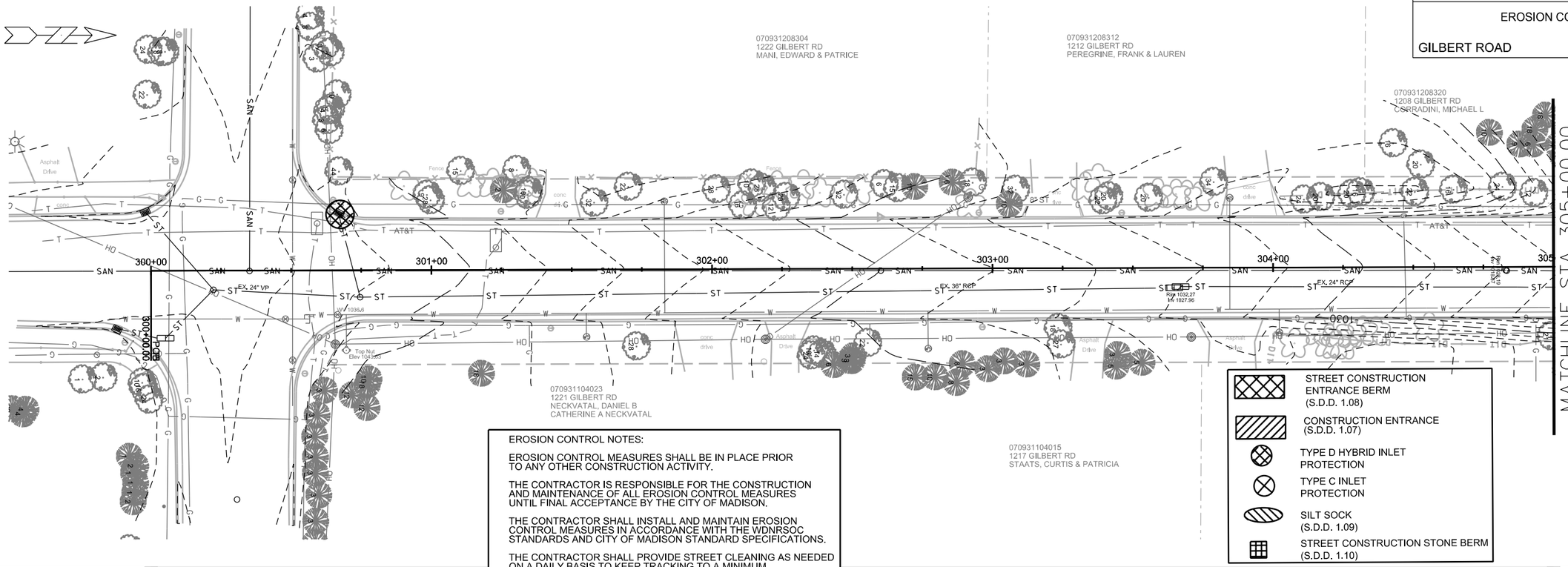
STORM SEWER QUANTITIES

ITEM NO.	TYPE OF WORK	UNIT	ESCH LN Elia E. Acosta QUANTITIES	FRISCH RD Elia E. Acosta	GILBERT RD Eric Dundee	GRAY FOX TRL Elia E. Acosta	HARVEST HILL RD Eric Dundee	DANIELS ST HELGESEN DR Elia E. Acosta	LELAND DR THRUSH LN Elia E. Acosta	PFLAUM RD Elia E. Acosta	PORTAGE RD Elia E. Acosta	UNDISTRIBUTED	TOTAL	
		Designed By:												
10702	TRAFFIC CONTROL FOR STORM SEWER INSTALLATION	LUMP SUM	1	1	1	1	1	1	1	1	1		9	
10912	MOBILIZATION FOR STORM SEWER INSTALLATION	LUMP SUM	1	1	1	1	1	1	1	1	1		9	
20217	CLEAR STONE	TON										20	20	
20221	TOPSOIL	SY			60		180						240	
20311	**REMOVE SEWER ACCESS STRUCTURE**	**EACH**			1								1	**ADDED**
20312	**REMOVE CATCHBASIN**	**EACH**			4								4	**ADDED**
20313	REMOVE INLET	EACH			3		1	1					5	
20314	REMOVE PIPE	LF			122							50	172	**REVISED**
20321	REMOVE CONCRETE PAVEMENT	SY					110						110	
20701	TERRACE SEEDING	SY			60		180						240	
21013	STREET SWEEPING	LUMP SUM	1	1	1	1	1	1	1	1	1		9	
21014	CLEAR STONE BERM (DITCH CHECK)	EACH										4	4	
21035	INLET PROTECTION, TYPE C MODIFIED - COMPLETE	EACH	4	5	3		6	14		4		10	46	
21055	INLET PROTECTION, TYPE D HYBRID - COMPLETE	EACH	3	3	13	10	26	9	10	14	6	10	104	
21062	EROSION MATTING, CLASS I, URBAN TYPE A	SY			60		180						240	
40382	REMOVE & REPLACE CONCRETE CURB & GUTTER, HAND PLACED - RESURFACING	LF	40	30	45	60	435	115	80	40	30		875	
40391	REMOVE & REPLACE 5" THICK CONCRETE SIDEWALK - RESURFACING	LF										50	50	
50211	SELECT BACKFILL FOR STORM SEWER	TF	298	452	1114	401	1086.5	1438	1294	787	359		7230	
50225	UTILITY TRENCH PATCH TYPE III*	TF	149	226	545	201	417	719	647	394	180		3478	
50227	UTILITY TRENCH PATCH TYPE IV*	TF	149	226	545	201	417	719	647	394	180		3478	
50411	12 INCH RCP STORM SEWER PIPE	LF	298	106	189.5	145	293	159	626	44	359		2220	
50412	15 INCH RCP STORM SEWER PIPE	LF		346		256	228.5	1279	96	139			2345	
50413	18 INCH RCP STORM SEWER PIPE	LF					565		572	604			1741	
50415	24 INCH RCP STORM SEWER PIPE	LF			158.5								158.5	
50418	36 INCH RCP STORM SEWER PIPE	LF			260.5								260.5	
50434	29 INCH X 45 INCH HERCP STORM SEWER PIPE	LF			514.5								514.5	**REVISED**
50499	CONCRETE COLLAR	EACH			2								2	
50723	3'x3' STORM SAS	EACH	1	2	3	1	4	6	6	4	2		29	
50724	4'X4' STORM SAS	EACH						1					1	
50725	5'X5' STORM SAS	EACH			3								3	
50741	TYPE 'H' INLET	EACH	3	3	4	3	15	9	8	4	3		52	
50792	STORM SEWER TAP	EACH	1	1		1	1	1	1	1			7	
50793	PRIVATE STORM SEWER RECONNECT, TYPE 1	EACH						1					1	
50801	UTILITY LINE OPENING (ULO)	EACH	1	1	6		14	9	2	5	3		41	
90030	STORM SEWER TAP (BOX CULVERT)	EACH			1								1	
90031	STORM TREATMENT STRUCTURE	EACH			1								1	
90032	RELOCATE SANITARY SEWER LATERAL	EACH			2								2	
90033	12" RCP FIELD BEND	EACH							1				1	
90034	15" RCP FIELD BEND	EACH				1							1	

* Total Quantity of Trench Patch has been split by percentage between Type III and Type IV Trench Patch. Quantities have been split per contract specifications.

PLOT SCALE: _____

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. EC-1
EROSION CONTROL PLAN	
GILBERT ROAD	CITY OF MADISON



EROSION CONTROL NOTES:

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

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

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

PROVISION OF AN EROSION CONTROL IMPLEMENTATION PLAN BY THE CONTRACTOR AT THE PRE-CON IS REQUIRED.

THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION DEWATERING PLAN AS PART OF THE EROSION CONTROL IMPLEMENTATION PLAN.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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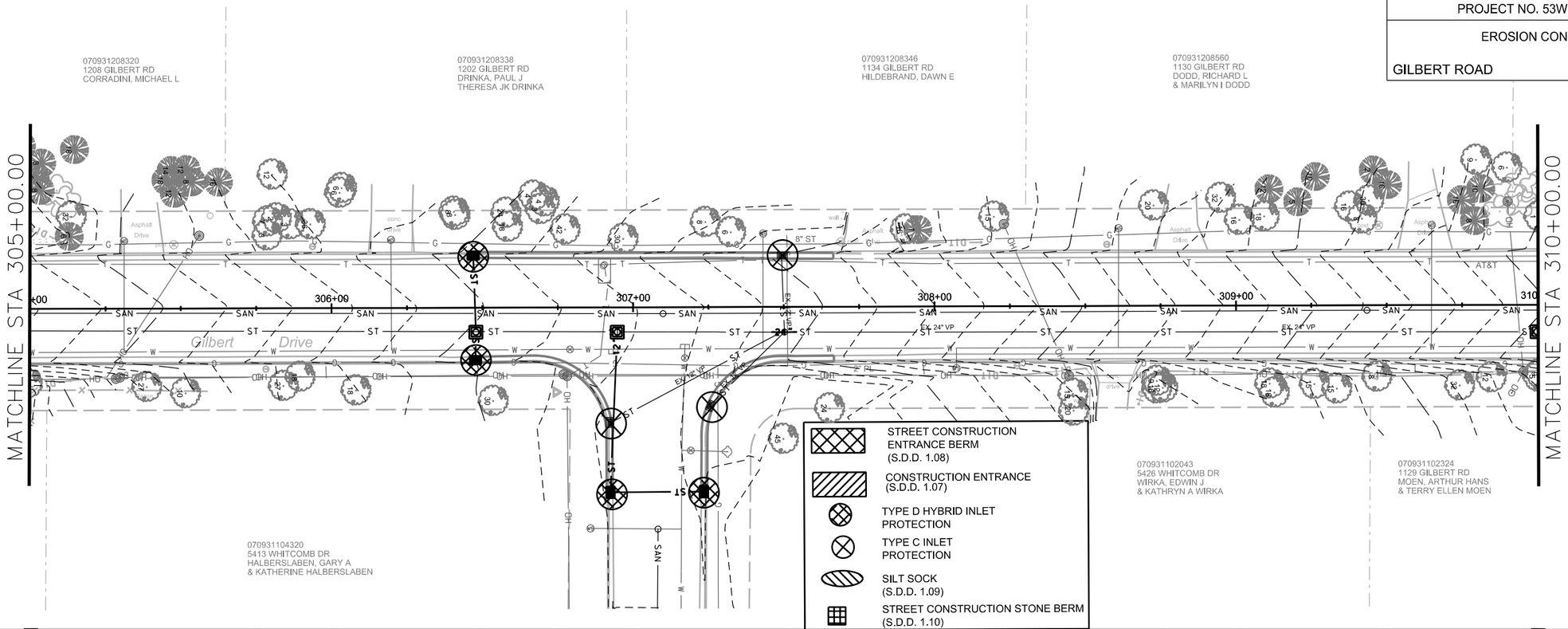
DATE: 3/11/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. EC-2
EROSION CONTROL PLAN	
GILBERT ROAD	CITY OF MADISON



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PLOT NAME: ——
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ORIGINATOR: CITY OF MADISON STREETS DIVISION

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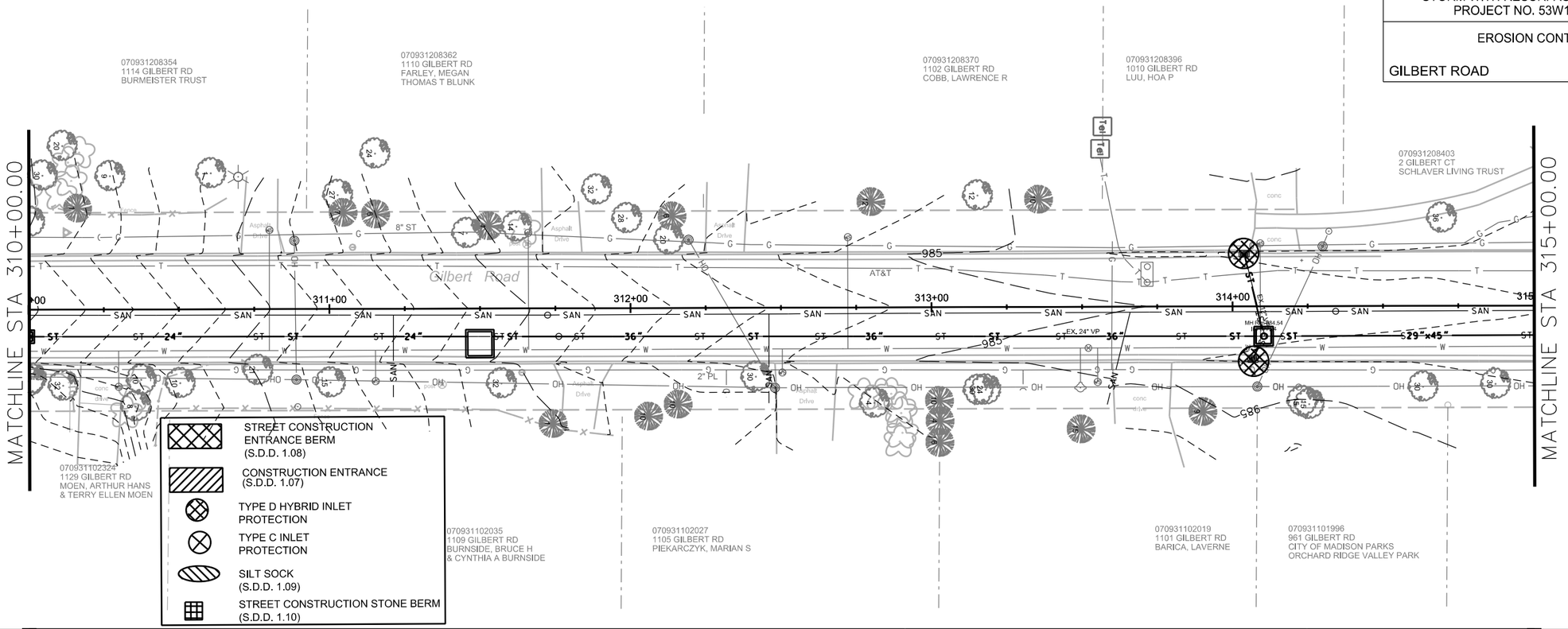
STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. EC-3
EROSION CONTROL PLAN	
GILBERT ROAD	CITY OF MADISON



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PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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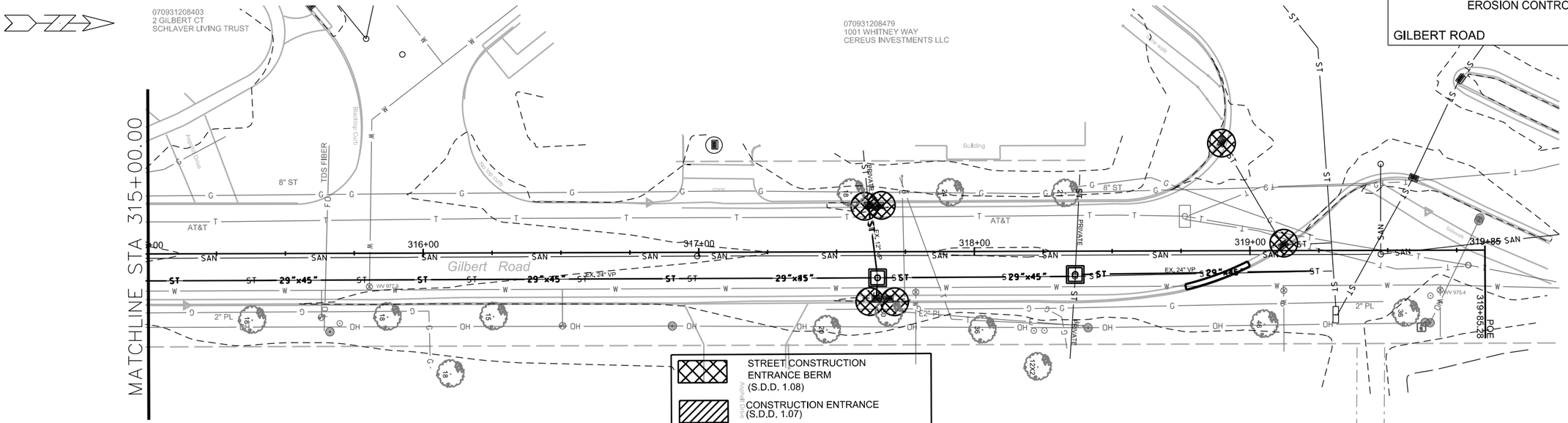
DATE: 3/11/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. EC-4
EROSION CONTROL PERMIT	
GILBERT ROAD	CITY OF MADISON



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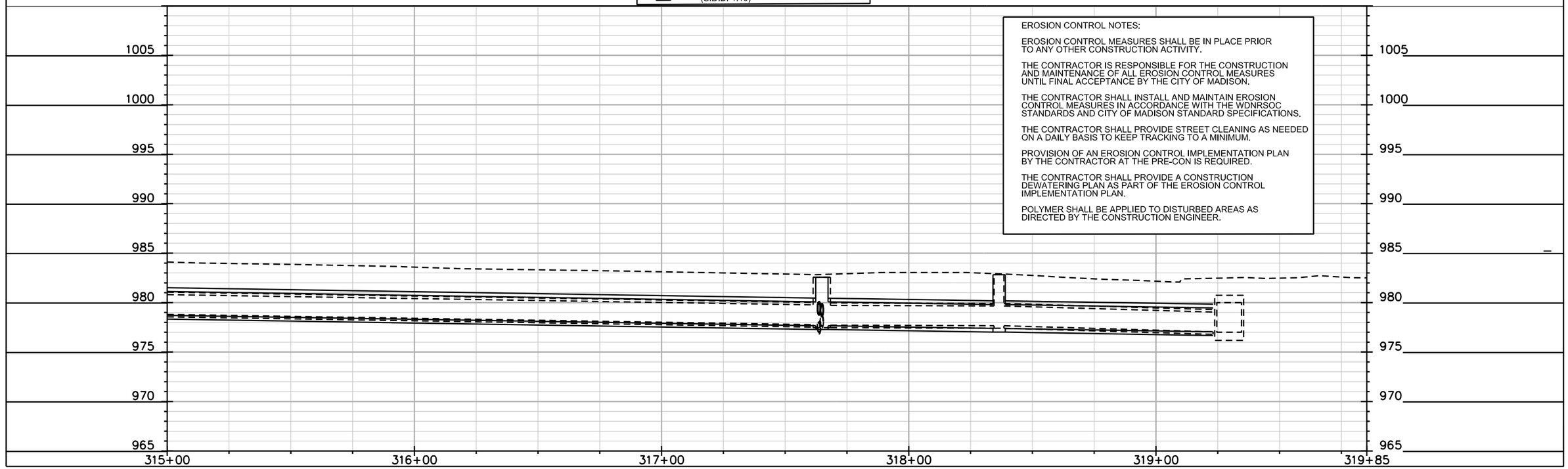

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DATE: 3/10/2014

STORM WITH RESURFACING 2014
PROJECT NO. 53W1699

SHEET NO.
EL-1

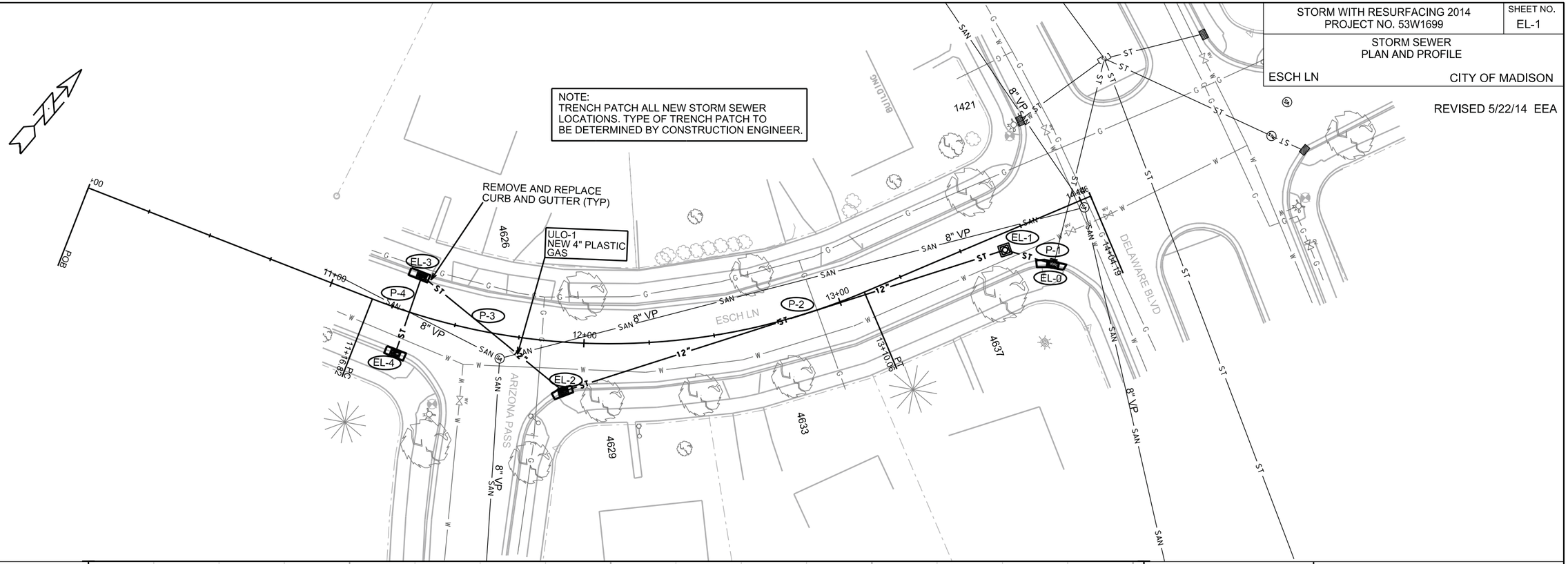
STORM SEWER
PLAN AND PROFILE

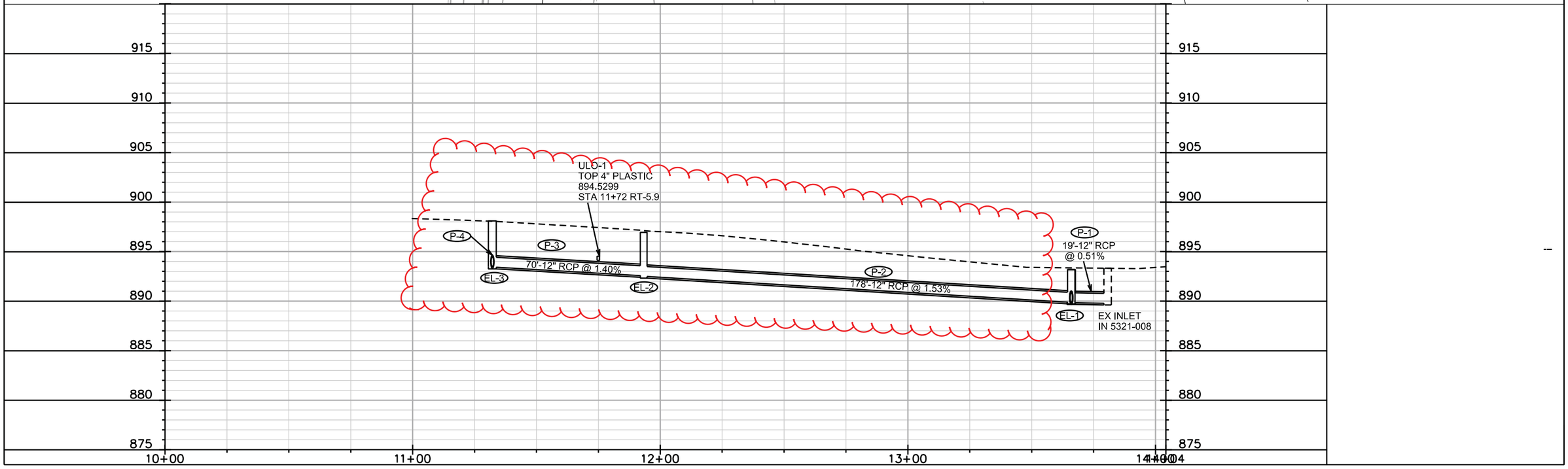
ESCH LN

CITY OF MADISON

REVISED 5/22/14 EEA

NOTE:
TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.





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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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DATE: 5/22/2014

STORM SEWER SCHEDULE

*** REVISED 5/22/14 EEA**

STORM WITH RESURFACING 2014	SHEET NO.
PROJECT NO. 53W1699	EL-2

ESCH LN
STORM SEWER SCHEDULE — CITY OF MADISON

STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
	EL-0	13+80.00	RT-19.43	TAP EX IN 5321-008	893.32	889.77	3.55	TAP AT EI=889.77
	EL-1	13+65.96	RT-6.19	3X3 SAS	893.19	889.85	3.34	W/ R-1550-0054
*	EL-2	11+93.71	RT-20.15	H INLET	896.93	**892.53**	**4.40**	W/ R-3067-7004-V
*	EL-3	11+32.23	LT-15.65	H INLET	898.10	**893.47**	**4.63**	W/ R-3067-7004-V; FP
	EL-4	11+31.50	RT-18.00	H INLET	897.95	894.55	3.40	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	EL-0	EL-1	19	889.77	889.85	0.51%	12"	RCP	-
*	P-2	EL-1	EL-2	178	889.85	**892.53**	**1.53%**	12"	RCP	-
*	P-3	EL-2	EL-3	70	**892.53**	**893.47**	**1.40%**	12"	RCP	-
*	P-4	EL-3	EL-4	31	**893.47**	894.55	**3.69%**	12"	RCP	-

ULO SCHEDULE

	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
*	ULO-1	11+83.81	RT-11.94	GAS	**TOP 4" PLASTIC 894.5299**

STANDARD NOTES:

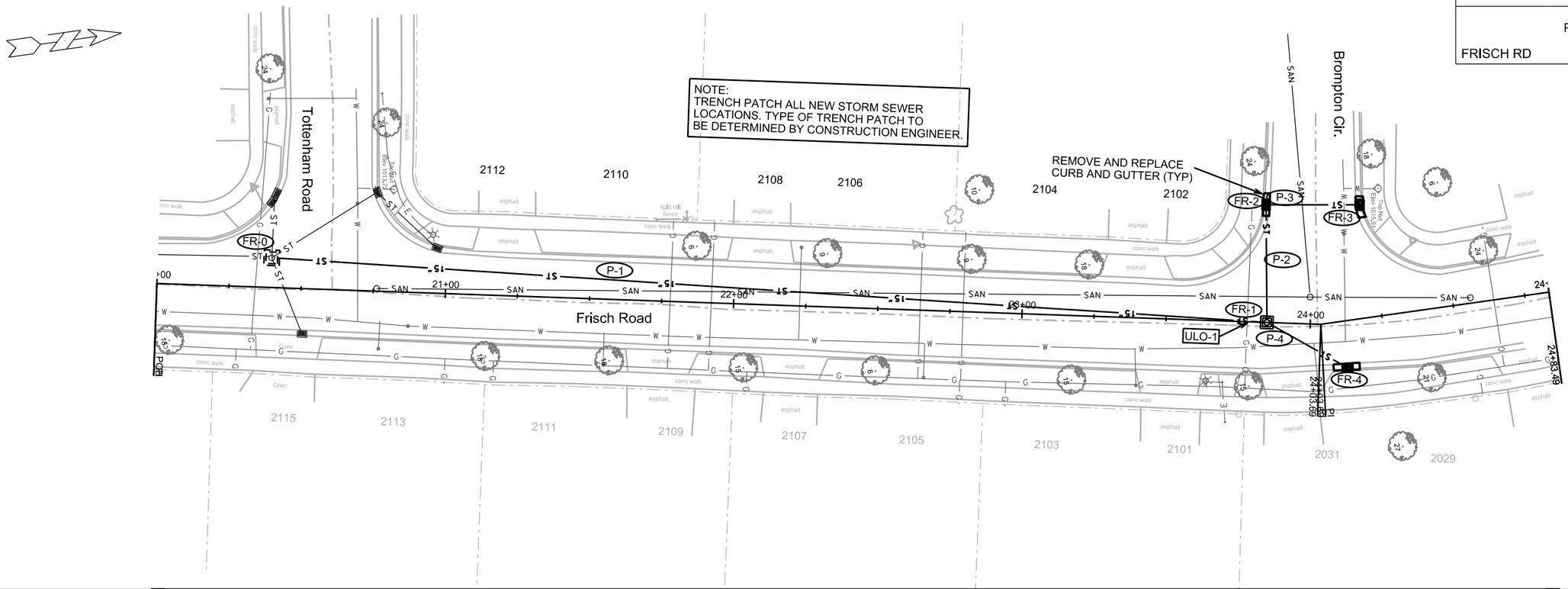
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
- APPROXIMATE 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\PROJECTS\53W1695\ESCH\STORM\DESIGN\REV 5_22 STORM SCHEDULE..

DATE: 05/22/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. FR-1
STORM SEWER PLAN AND PROFILE	
FRISCH RD	CITY OF MADISON



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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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DATE: 3/11/2014

STORM SEWER SCHEDULE

STORM WITH RESURFACING 2014	SHEET NO.
PROJECT NO. 53W1699	FR-2

FRISCH RD
STORM SEWER SCHEDULE — CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
FR-0	20+39.47	RT-10.27	TAP EX AS 2968-005	1010.60	1007.60	3.00	TAP AT EI=1007.60
FR-1	23+84.95	CL	3X3 SAS	1012.14	1009.33	2.81	FP; W/ R-1550-0054
FR-2	23+82.77	RT-40.66	H INLET	1012.22	1009.54	2.68	FP; W/ R-3067-7004-V
FR-3	24+23.34	RT-38.99	H INLET	1012.85	1009.71	3.14	W/ R-3067-7004-V
FR-4	24+10.74	LT-16.70	H INLET	1012.80	1009.74	3.06	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	FR-0	FR-1	346	1007.60	1009.33	0.51%	15"	RCP	-
P-2	FR-1	FR-2	41	1009.33	1009.54	0.56%	12"	RCP	NCM
P-3	FR-2	FR-3	33	1009.54	1009.71	0.56%	12"	RCP	-
P-4	FR-1	FR-4	32	1009.58	1009.74	0.56%	12"	RCP	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO-1	23+77.94	CL	GAS	-

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\PROJECTS\53W1695\FRISCH\STORM\DESIGN\STORM SCHEDULE.XLS

DATE: 03/11/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. G-1
STORM SEWER PLAN AND PROFILE	
GILBERT ROAD	CITY OF MADISON

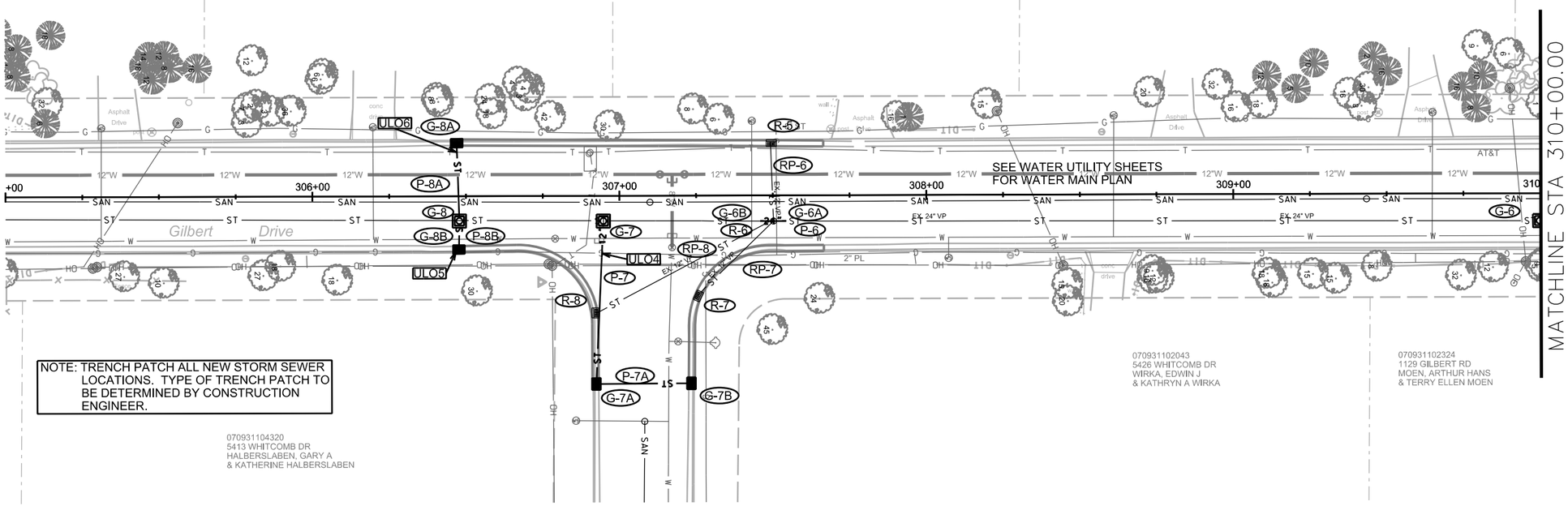
PLOT SCALE: ——
PLOT NAME: ——
REV. DATE: ——
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

070931208320
1208 GILBERT RD
CORRADINI, MICHAEL L

070931208338
1202 GILBERT RD
DRINKA, PAUL J
THERESA JK DRINKA

070931208346
1134 GILBERT RD
HILDEBRAND, DAWN E

070931208560
1130 GILBERT RD
DODD, RICHARD L
& MARILYN I DODD

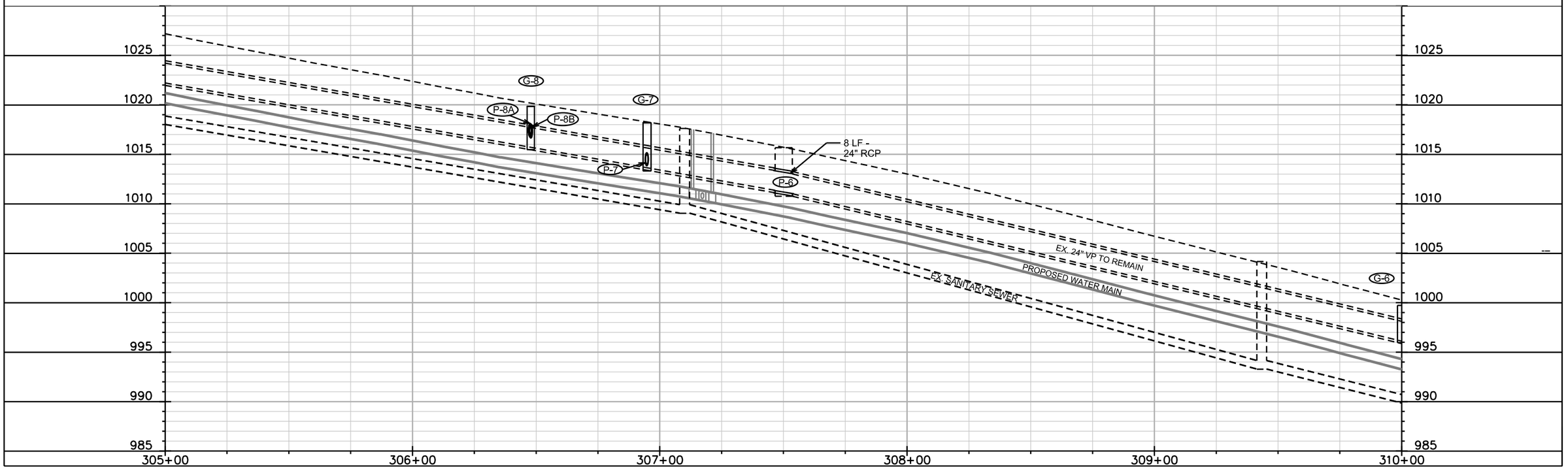


NOTE: TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.

070931104320
5413 WHITCOMB DR
HALBERSLABEN, GARY A
& KATHERINE HALBERSLABEN

070931102043
5426 WHITCOMB DR
WIRKA, EDWIN J
& KATHRYN A WIRKA

070931102324
1129 GILBERT RD
MOEN, ARTHUR HANS
& TERRY ELLEN MOEN



FILE NAME: M:\DESIGN\Projects\53W1695\Gilbert\Storm\Design\53W1695GilbSTM-PnPG2.dgn

DATE: 3/11/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. G-2
STORM SEWER PLAN AND PROFILE	
GILBERT ROAD	CITY OF MADISON

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

070931208354
1114 GILBERT RD
BURMEISTER TRUST

070931208362
1110 GILBERT RD
FARLEY, MEGAN
THOMAS T BLUNK

070931208370
1102 GILBERT RD
COBB, LAWRENCE R

070931208396
1010 GILBERT RD
LUU, HOA P

070931208403
2 GILBERT CT
SCHLAVER LIVING TRUST

NOTE: TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.

MATCHLINE STA 310+00.00

MATCHLINE STA 315+00.00

Gilbert Road

SEE WATER UTILITY SHEETS FOR WATER MAIN PLAN

070931102324
1129 GILBERT RD
MOEN, ARTHUR HANS
& TERRY ELLEN MOEN

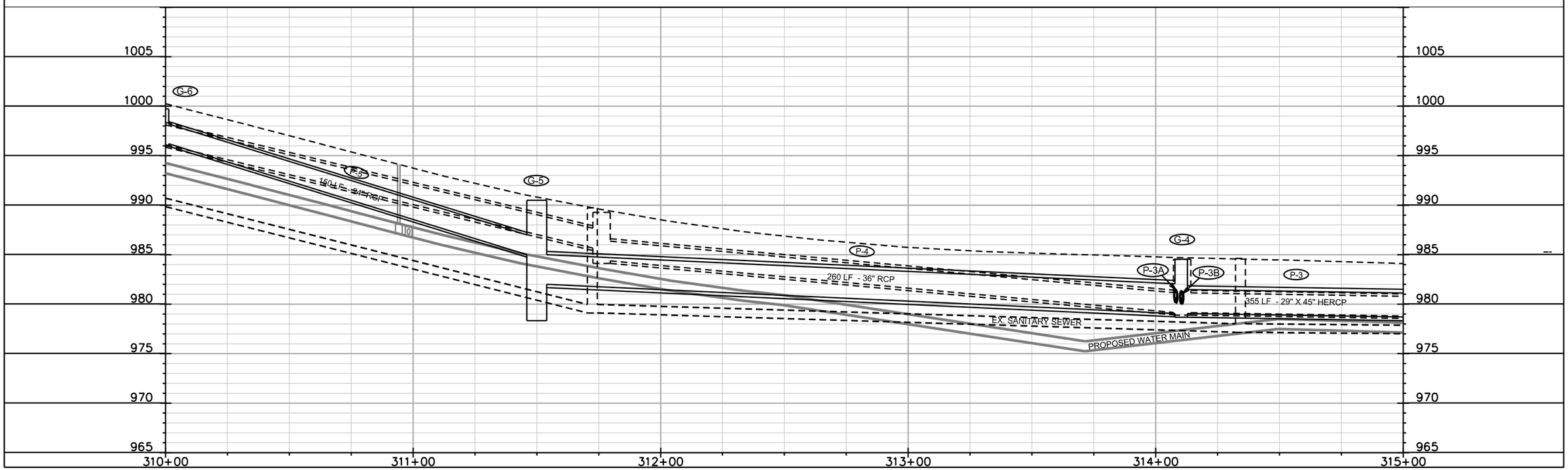
070931102035
1109 GILBERT RD
BURNSIDE, BRUCE H
& CYNTHIA A BURNSIDE

070931102027
1105 GILBERT RD
PIEKARCZYK, MARIAN S

POSSIBLE CONFLICT WITH SANITARY SEWER LATERAL. IF RELCOATION NEEDED, TO BE PAID BY BID ITEM 90032 - RELOCATE SANITARY SEWER LATERAL

070931102019
1101 GILBERT RD
BARICA, LAVERNE

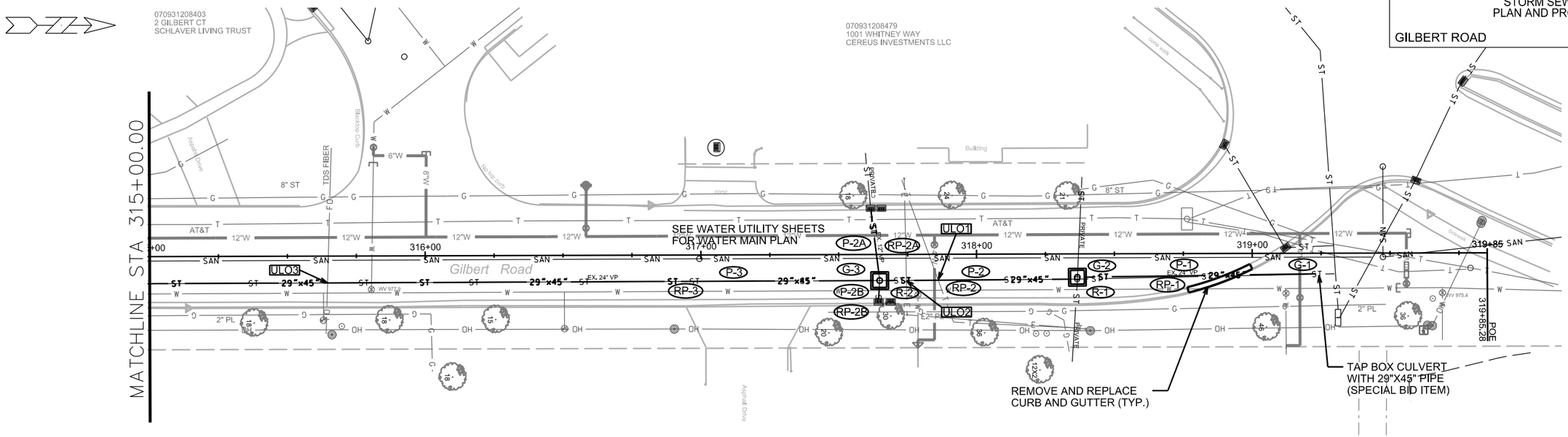
070931101996
961 GILBERT RD
CITY OF MADISON PARKS
ORCHARD RIDGE VALLEY PARK

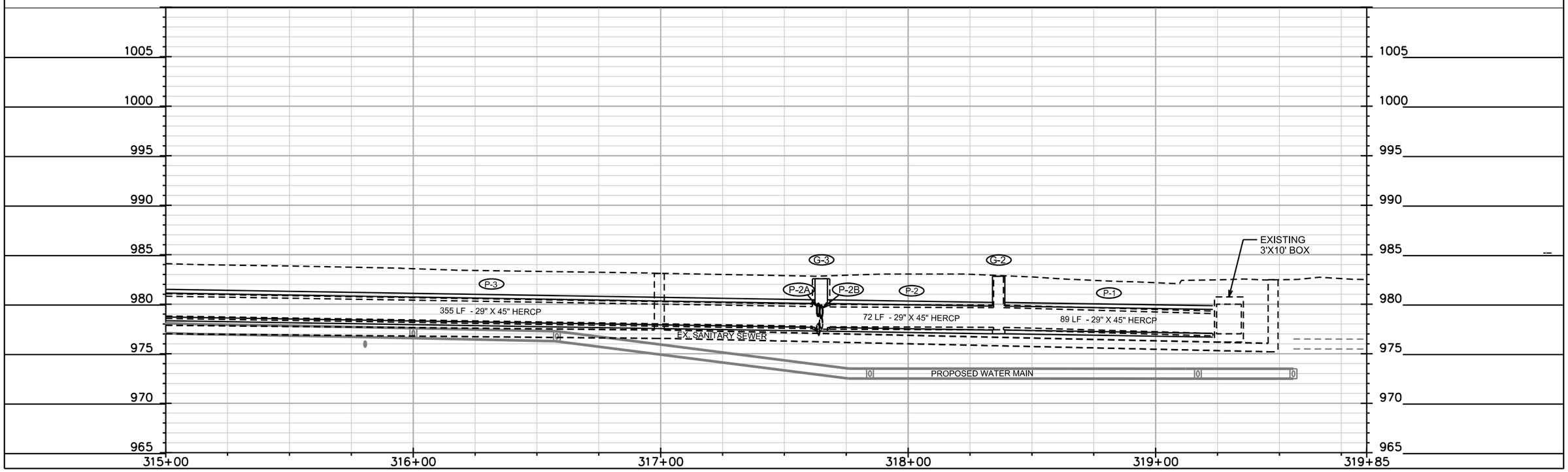


FILE NAME: M:\DESIGN\Projects\53W1695\Gilbert\Storm\Design\53W1695GilbSTM-PnPG3.dgn

DATE: 3/11/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. G-3
STORM SEWER PLAN AND PROFILE	
GILBERT ROAD	CITY OF MADISON





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

FILE NAME: M:\DESIGN\Projects\53W1695\Gilbert\Storm\Design\53W1695GilbSTM-PnPG4.dgn
DATE: 3/11/2014

STORM SEWER SCHEDULE

REVISED 03/21/2014 ELD

STORM WITH RESURFACING 2014	SHEET NO.
PROJECT NO. 53W1699	G-4
GILBERT ROAD	
STORM SEWER SCHEDULE	CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
GILBERT ROAD							
G-1	319+25.00	RT-7.50	TAP EX MH	DNA	977.05	DNA	TAP AT EI=977.05; (2)
G-2	318+36.50	RT-8.50	5X5 SAS	982.87	977.39	5.48	W/ R-1550-0054; FP; (2)
G-3	317+65.00	RT-9.50	5X5 SAS	982.57	977.66	4.91	W/ R-1550-0054; FP
G-4	314+10.30	RT-10.00	5X5 SAS	984.54	979.06	5.48	W/ R-1550-0054; FP
G-5	311+50.00	RT-9.30	TREATMENT STRUCTURE	990.50	982.00	8.50	(1), FP
G-6	310+00.00	RT-9.00	3X3 SAS	999.72	996.20	3.52	W/ R-1550-0054; FP; (2)
G-6A	307+54.00	RT-8.00	CONCRETE COLLAR	DNA	DNA	DNA	(2)
G-6B	307+46.00	RT-8.00	CONCRETE COLLAR	DNA	DNA	DNA	(2)
G-7	306+95.00	RT-8.00	3X3 SAS	1018.20	1014.00	4.20	W/ R-1550-0054; FP; (2)
G-7A	306+91.60	RT-61.35	H INLET	1017.91	1014.13	3.78	W/ R-3067-7004-V
G-7B	307+24.00	RT-61.35	H INLET	1017.31	1014.20	3.11	W/ R-3067-7004-V
G-8	306+48.00	RT-8.00	3X3 SAS	1019.85	1016.80	3.05	W/ R-1550-0054; FP; (2)
G-8A	306+47.00	LT-17.50	H INLET	1019.82	1017.01	2.81	W/ R-3067-7004-V
G-8B	306+47.70	RT-17.50	H INLET	1020.02	1016.87	3.15	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	G-1	G-2	88.5	977.05	977.39	0.40%	29"X45"	HERCP	VERIFY E.I.(N)
P-2	G-2	G-3	71.5	977.39	977.66	0.40%	29"X45"	HERCP	-
P-2A	G-3	EX. IN3263-002	26.5	978.75	979.20	2.00%	12"	RCP	VERIFY E.I.(W)
P-2B	G-3	EX. IN3363-013	7.5	978.75	979.06	2.00%	12"	RCP	VERIFY E.I.(E)
P-3	G-3	G-4	**354.5**	**977.66**	**979.06**	**0.40%**	29"X45"	HERCP	-
P-3A	G-4	EX. IN3263-003	28	980.20	980.65	1.85%	12"	RCP	VERIFY E.I.(W)
P-3B	G-4	EX. IN3363-015	8.5	980.20	980.25	1.10%	12"	RCP	VERIFY E.I.(E)
P-4	G-4	G-5	260.5	979.06	982.00	1.16%	36"	RCP	-
P-5	G-5	G-6	150	985.00	996.20	**7.50%**	24"	RCP	-
P-6	G-6A	G-6B	8.5	1011.01	1011.36	4.19%	24"	RCP	-
P-7	G-7	G-7A	53	1014.00	1014.13	**0.25%**	12"	RCP	-
P-7A	G-7A	G-7B	31	1014.13	1014.20	0.25%	12"	RCP	-
P-8A	G-8	G-8A	25.5	1016.90	1017.01	0.50%	12"	RCP	-
P-8B	G-8	G-8B	9.5	1016.80	1016.87	1.00%	12"	RCP	-

STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
R-1	AS3362-014	318+36.50	RT-8.5	4X4 SAS	-
R-2	AS3363-012	317+65.00	RT-9.50	CATCHBASIN	-
R-3	AS3363-014	314+10.30	RT-10.00	CATCHBASIN	-
R-4	AS3363-016	311+76.00	LT-9.50	CATCHBASIN	-
R-5	IN3264-018	307+50.00	LT-17.00	H INLET	-
R-6	AS3364-004	307+26.00	RT-8.00	CATCHBASIN	-
R-7	IN3264-005	307+26.00	RT-33.00	H INLET	-
R-8	IN3264-006	306+92.00	RT-38.50	H INLET	-

STORM PIPE REMOVALS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
RP-1	G-1	R-1 (AS3362-014)	88	N	24"	VP	-
RP-2	R-1 (AS3362-014)	R-2 (AS3363-012)	72	N	24"	VP	-
RP-2A	R-2 (AS3363-012)	EX. IN3263-002	26	N	24"	VP	-
RP-2B	R-2 (AS3363-012)	EX. IN3363-013	7	N	24"	VP	-
RP-3	R-2 (AS3363-012)	R-3 (AS3363-014)	345	N	24"	VP	-
RP-3A	R-3 (AS3363-014)	EX. IN3263-003	28	N	24"	VP	-
RP-3B	R-3 (AS3363-014)	EX. IN3363-015	9	N	24"	VP	-
RP-4	R-3 (AS3363-014)	R-4 (AS3363-016)	234	N	24"	VP	-
RP-5	R-4 (AS3363-016)	G-6 (STA 310+00)	176	N	24"	VP	-
RP-6	G-6A (STA 307+50)	R-5 (IN3264-018)	25	Y	12"	VP	-
RP-7	G-6A (STA 307+50)	R-6 (IN3264-005)	33	Y	12"	VP	-
RP-8	G-6A (STA 307+50)	R-7 (IN3264-006)	64	Y	12"	VP	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO1	317+85.00	RT-9.00	TELEPHONE	-
ULO2	317+75.00	RT-9.00	ELECTRIC	-
ULO3	315+65.00	RT-9.00	FIBER OPTIC	-
ULO4	306+95.00	RT-18.00	GAS	-
ULO5	306+48.00	RT-18.00	GAS	-
ULO6	306+48.00	LT-14.00	TELEPHONE	-

SPECIFIC NOTES

(1) STORMWATER TREATMENT DEVICE PER SDD 5.7.39 & 5.7.39A
PIPE IN INVERT = 985.00, PIPE OUT INVERT = 982.00
STRUCTURE STATION AND OFFSET AT PIPE CENTERLINE, TREATMENT AREA TO BE BUILT ON EAST SIDE OF STRUCTURE
DIMENSION A = 24", DIMENSION B = 93"

(2) CONNECT TO EXISTING PIPE(S)

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; U = UNDERDRAIN
- 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 ERIC DUNDEE OF CITY ENGINEERING AT (608) 266-4913, EDUNDEE@CITYOFMADISON.COM, 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\PROJECTS\53W1695\GILBERT\STORM\DESIGN\STORM SCHEDULE.XLS

DATE: 03/21/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. GF-1
STORM SEWER PLAN AND PROFILE	
GRAY FOX TRL	CITY OF MADISON

REVISED 7/18/14 EEA

NOTE:
TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.

REMOVE AND REPLACE CURB AND GUTTER (TYP)

7718 7714 7710 7502 7500

GRAY FOX TRL

RED FOX TRL

N HIGH POINT RD

EX 21" RCP STM

EX 15" STM

EX 15" RCP STM

GF-0 GF-1 GF-2 GF-2A GF-3 GF-3A

P-1 P-2 P-2A P-3 P-3A

35'-15" RCP @ 1.06%

221'-15" RCP @ 4.01%

46'-12" RCP @ 3.78%

40+00 41+00 42+00 43+00 43+90

1060 1055 1050 1045 1040 1035 1030 1025 1020

PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Gray Fox\Storm\Design\53W1695STM-PnPGF1.dgn

DATE: 7/18/2014

STORM SEWER SCHEDULE

*** REVISED 7/18/14 EEA**

STORM WITH RESURFACING 2014	SHEET NO.
PROJECT NO. 53W1699	GF-2
GRAY FOX TRL	
STORM SEWER SCHEDULE	CITY OF MADISON

STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
*	GF-0	40+52.00	LT-7.00	TAP	-	1031.62	-	STM TAP
*	GF-1	40+86.00	LT-13.00	3X3 SAS	1035.90	1031.99	3.91	W/ R-1550-0054
*	GF-2	43+06.00	LT-22.00	3X3 SAS	1045.40	1040.86	4.54	FP; W/ R-3067-7004-V
*	GF-2A	43+34.40	RT-14.50	H INLET	1046.25	1042.85	3.40	W/ R-3067-7004-V
*	GF-3	43+10.00	RT-44.00	H INLET	1045.48	1041.37	4.11	W/ R-3067-7004-V
*	GF-3A	42+77.00	RT-35.00	H INLET	1044.12	1041.56	2.56	FP; W/ R-3067-7004-V

PIPES

	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
*	P-1	GF-0	GF-1	35	1031.62	1031.99	1.06%	15"	RCP	-
*	P-2	GF-1	GF-2	221	1031.99	1040.86	4.01%	15"	RCP	-
*	P-2A	GF-2	GF-2A	46	1041.11	1042.85	3.78%	12"	RCP	-
*	P-3	GF-2	GF-3	51	1041.11	1041.37	0.51%	12"	RCP	-
*	P-3A	GF-3	GF-3A	37	1041.37	1041.56	0.51%	12"	RCP	-

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

FILE NAME: M:\DESIGN\PROJECTS\53W1695\GRAY FOX\STORM\DESIGN\GRAY FOX STORM SCHEDU

DATE: 07/18/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. HH-1
STORM SEWER PLAN AND PROFILE	
HARVEST HILL ROAD	CITY OF MADISON

NOTE: TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.

COORDINATE REMOVAL AND REPLACEMENT OF STREET LIGHT POLE

REMOVE AND REPLACE 7-INCH CONCRETE SIDEWALK(TYP.)

REMOVE CONCRETE WATERWAY (REMOVAL TO BE PAID UNDER BID ITEM 20321)

REMOVE CONCRETE WATERWAY (REMOVAL TO BE PAID UNDER BID ITEM 20321)

REMOVE CONCRETE WATERWAY (REMOVAL TO BE PAID UNDER BID ITEM 20321)

REMOVE AND REPLACE CURB AND GUTTER (TYP.)

MANOR HILL CIRCLE

GLENSIDE CIRCLE

MATCHLINE STA 55+00.00

070814405142
WILSON, CRAIG & BETSY
7210 HARVEST HILL CIRCLE

070814416059
KRAFT, ROBERT & JOAN
1 MANOR HILL CIRCLE

070814405209
WEXFORD VILLAGE HOME OWNERS ASSOCIATION
21 MANOR HILL CIRCE

070814416016
REEVES, TROY J
& CHRISTINE B REEVES
2 HAVERHILL CIRCLE

070814407031
ADAMS, SUSAN J
7209 HARVEST HILL CIRCLE

070814407049
COHEN, LLOYD W
& MARY L TIPTON
7205 HARVEST HILL CIRCLE

070814407057
MILLER, THOMAS F
7201 HARVEST HILL CIRCLE

070814417064
SCHLINKERT, LAUREN L
1 GLENSIDE CIRCLE

070814417072
WOEHRLE, WILLIAM & TRACY
7121 HARVEST HILL ROAD

070814417080
NUESEN, RONALD K
& CYNTHIA A NEUSEN
7117 HARVEST HILL ROAD

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

FILE NAME: M:\DESIGN\Projects\53W1695\Harvest Hill\Storm\Design\53W1695STM-PnPHH1.dgn

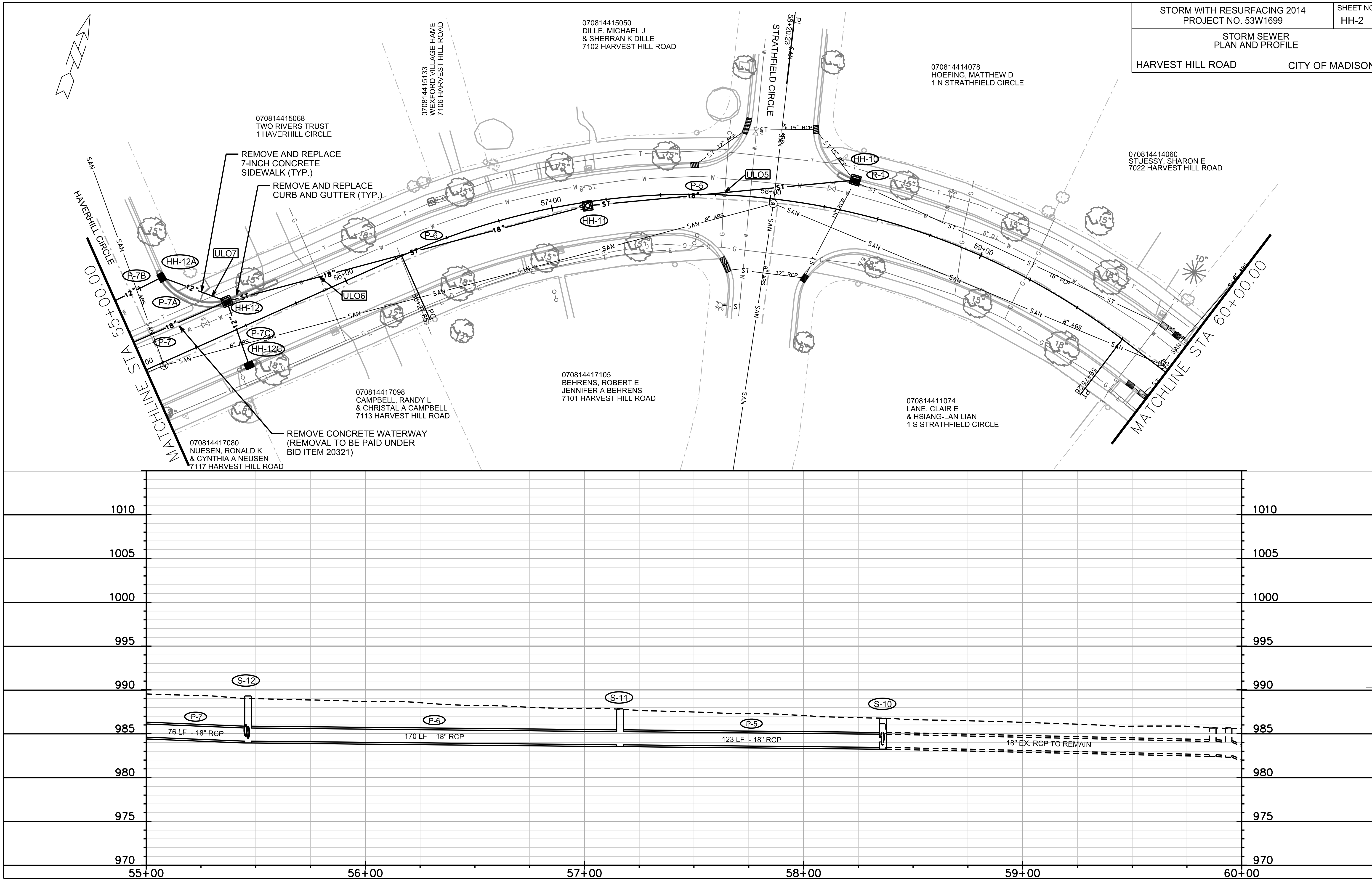
DATE: 3/11/2014

STORM WITH RESURFACING 2014
PROJECT NO. 53W1699

SHEET NO. HH-2

STORM SEWER
PLAN AND PROFILE

HARVEST HILL ROAD — CITY OF MADISON

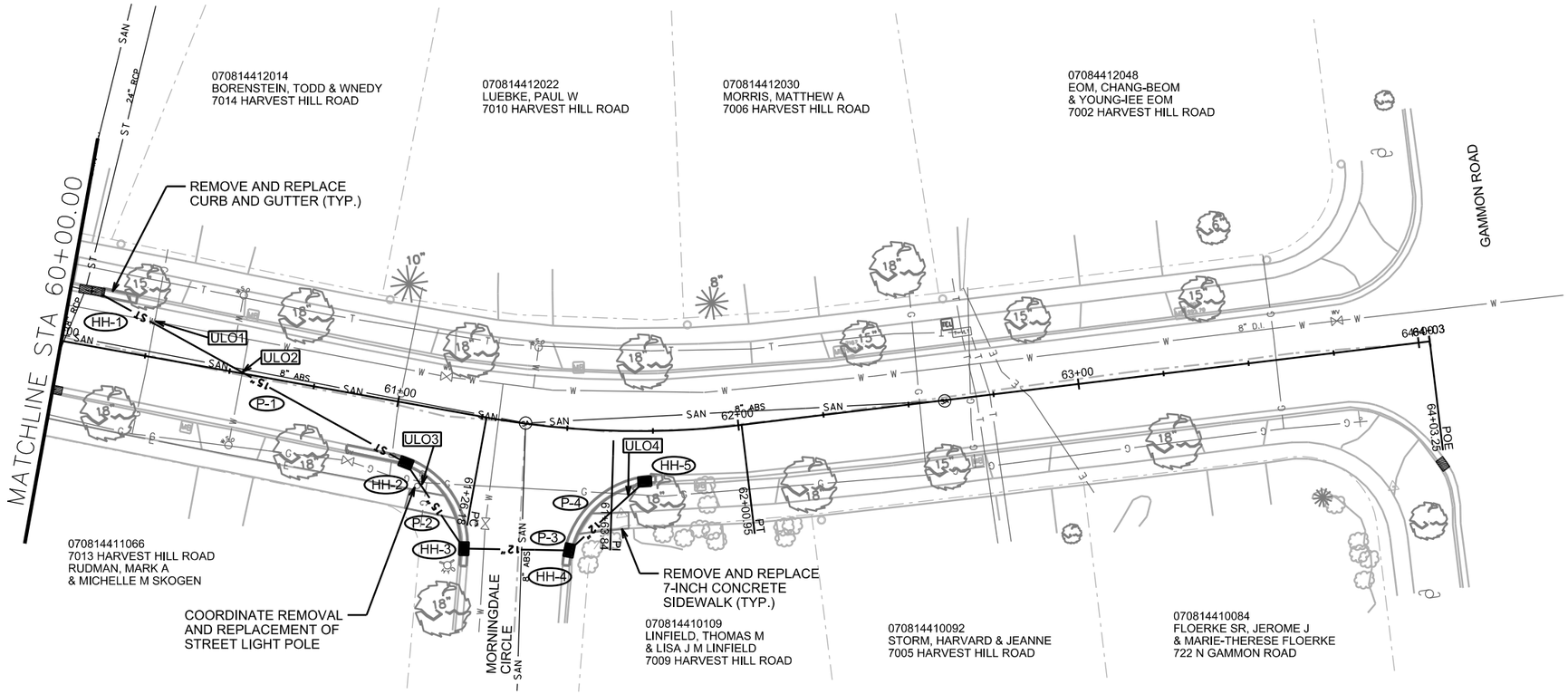


PLOT SCALE: ____
PLOT NAME: ____
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

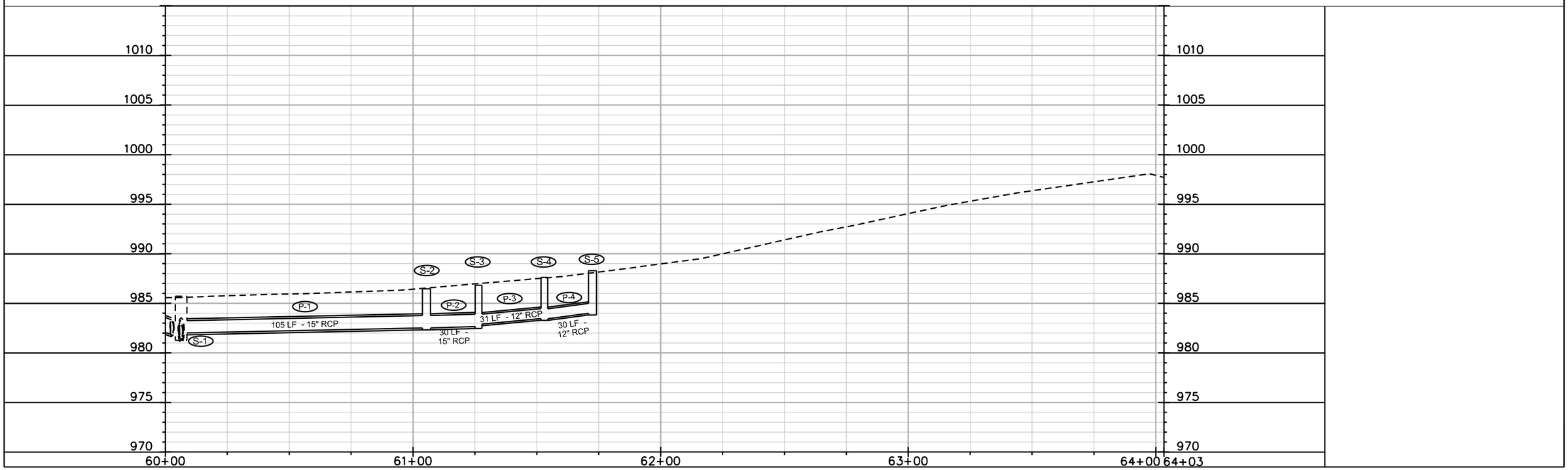
FILE NAME: M:\DESIGN\Projects\53W1695\Harvest Hill\Storm\Design\53W1695STM-PnPHH2.dgn

DATE: 3/11/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. HH-3
STORM SEWER PLAN AND PROFILE	
HARVEST HILL ROAD	CITY OF MADISON



NOTE: TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.



PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Harvest Hill\Storm\Design\53W1695STM-PnPHH3.dgn

DATE: 3/11/2014

STORM SEWER SCHEDULE

STORM WITH RESURFACING 2014	SHEET NO.
PROJECT NO. 53W1699	HH-4

HARVEST HILL ROAD
STORM SEWER SCHEDULE — CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
HARVEST HILL ROAD							
HH-1	60+06.40	LT-16.00	TAP EX MH	985.71	981.26	4.45	TAP AT EI=982.01
HH-2	60+05.00	RT-17.50	H INLET	986.46	982.51	3.95	W/ R-3067-7004-V
HH-3	61+26.00	RT-38.90	H INLET	986.82	982.64	4.18	W/ R-3067-7004-V
HH-4	61+53.50	RT-35.50	H INLET	987.61	983.46	4.15	W/ R-3067-7004-V, LP
HH-5	61+72.50	RT-15.00	H INLET	988.30	983.99	4.31	W/ R-3067-7004-V
HH-10	58+36.20	LT-14.75	3X3 SAS	986.72	983.44	3.28	W/ R-3067-7004-V; FP
HH-11	57+16.25	RT-1.73	3X3 SAS	987.84	983.74	4.10	W/ R-1550-0054
HH-12	55+46.50	LT-13.50	3X3 SAS	989.31	984.16	5.15	W/ R-3067-7004-V; FP
HH-12A	55+24.35	LT-35.75	H INLET	989.70	985.78	3.92	W/ R-3067-7004-V
HH-12B	54+92.70	LT-34.40	H INLET	990.03	986.35	3.68	W/ R-3067-7004-V
HH-12C	55+44.00	RT-17.50	H INLET	989.20	985.23	3.97	W/ R-3067-7004-V
HH-13	54+70.50	LT-14.00	3X3 SAS	990.29	984.89	5.40	W/ R-3067-7004-V
HH-14	52+78.25	RT-15.50	H INLET	991.26	986.81	4.45	W/ R-3067-7004-V
HH-15	52+52.90	RT-37.65	H INLET	991.52	987.38	4.14	W/ R-3067-7004-V
HH-16	52+23.30	RT-35.90	H INLET	991.85	987.95	3.90	W/ R-3067-7004-V
HH-17	52+04.20	RT-16.00	H INLET	991.78	988.08	3.70	W/ R-3067-7004-V
HH-18	51+77.85	LT-15.50	H INLET	992.07	988.52	3.55	W/ R-3067-7004-V
HH-19	51+52.00	LT-33.60	H INLET	992.31	988.66	3.65	W/ R-3067-7004-V
HH-20	51+16.00	LT-33.45	H INLET	992.90	988.81	4.09	W/ R-3067-7004-V
HH-21	50+86.10	LT-14.50	H INLET	992.42	988.97	3.45	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	HH-1	HH-2	104.5	982.01	982.51	0.50%	15"	RCP	-
P-2	HH-2	HH-3	30	982.51	982.64	0.50%	15"	RCP	-
P-3	HH-3	HH-4	30.5	982.89	983.46	2.00%	12"	RCP	-
P-4	HH-4	HH-5	30	983.46	983.99	2.00%	12"	RCP	-
P-5	HH-10	HH-11	123	983.44	983.74	0.25%	18"	RCP	-
P-6	HH-11	HH-12	170.5	983.74	984.16	0.25%	18"	RCP	-
P-7	HH-12	HH-13	76	984.16	984.89	1.00%	18"	RCP	-
P-7A	HH-12	HH-12A	31.5	984.66	985.78	4.00%	12"	RCP	-
P-7B	HH-12A	HH-12B	30.5	985.78	986.35	2.00%	12"	RCP	-
P-7C	HH-12	HH-12C	31	984.66	985.23	2.00%	12"	RCP	-
P-8	HH-13	HH-14	195.5	984.89	986.81	1.00%	18"	RCP	-
P-9	HH-14	HH-15	34.5	987.06	987.38	1.00%	15"	RCP	-
P-10	HH-15	HH-16	30.5	987.38	987.95	2.00%	15"	RCP	-
P-11	HH-16	HH-17	29	987.95	988.08	0.50%	15"	RCP	-
P-12	HH-17	HH-18	40	988.33	988.52	0.50%	12"	RCP	-
P-13	HH-18	HH-19	31.5	988.52	988.66	0.50%	12"	RCP	-
P-14	HH-19	HH-20	33	988.66	988.81	0.50%	12"	RCP	-
P-15	HH-20	HH-21	35	988.81	988.97	0.50%	12"	RCP	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
HARVEST HILL ROAD				
ULO1	60+26.00	LT-10.00	GAS, WATER	-
ULO2	60+55.00	CL	WATER, SAN	-
ULO3	61+10.00	RT-23.00	GAS	-
ULO4	61+65.00	RT-18.00	GAS	-
ULO5	57+78.00	LT-1.00	GAS	-
ULO6	55+90.00	LT-8.00	GAS, WATER	-
ULO7	55+42.00	LT-18.00	TELEPHONE	-
ULO8	54+85.00	LT-14.00	GAS	-
ULO9	53+67.00	CL	ELECTRIC	-
ULO10	53+45.00	RT-3.00	TELEPHONE	-
ULO11	25+70.00	RT-22.00	GAS	-
ULO12	52+08.00	RT-22.00	GAS	-
ULO13	51+70.00	LT-22.00	TELEPHONE	-
ULO14	50+95.00	LT-22.00	TELEPHONE	-

STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
R-1	IN2648-013	58+36.10	LT-14.50	H INLET	-

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; U = UNDERDRAIN
- 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 ERIC DUNDEE OF CITY ENGINEERING AT (608) 266-4913, EDUNDEE@CITYOFMADISON.COM, FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

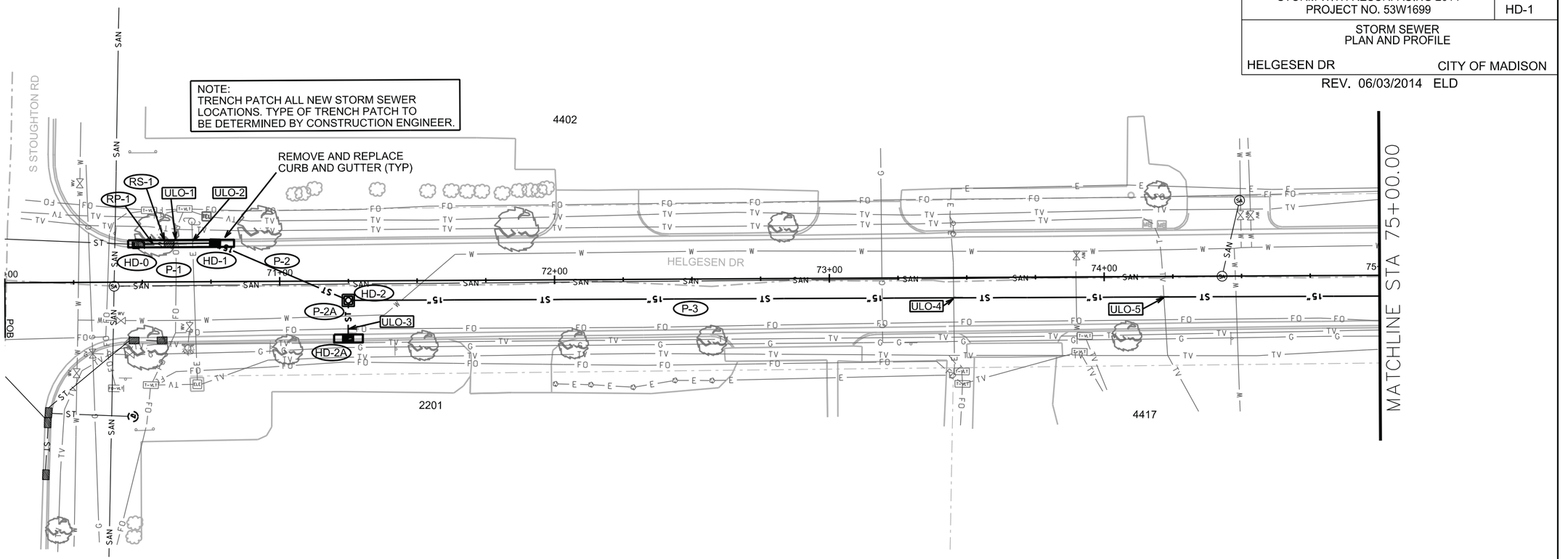
PLOT SCALE: _ _ _
PLOT NAME: _ _ _
REV. DATE: _ _ _
ORIGINATOR: CITY OF MADISON STREETS DIVISION

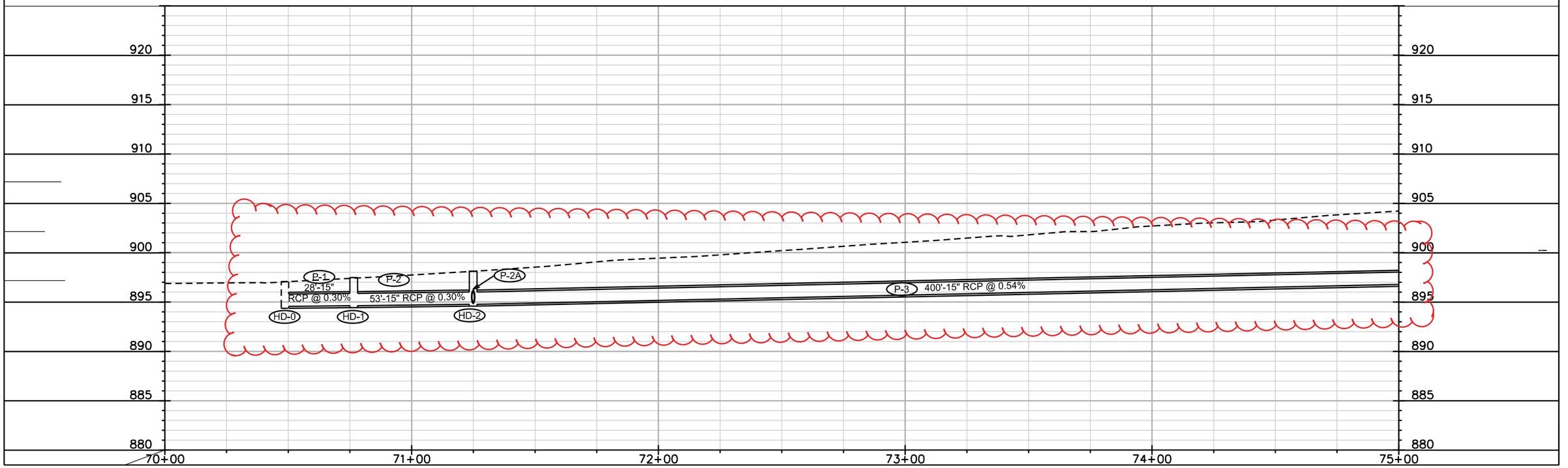
FILE NAME: M:\DESIGN\PROJECTS\53W1695\HARVEST HILL\STORM\DESIGN\STORM SCHEDULE-HAF

DATE: 03/11/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. HD-1
STORM SEWER PLAN AND PROFILE	
HELGESEN DR	CITY OF MADISON
REV. 06/03/2014 ELD	

NOTE:
TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.





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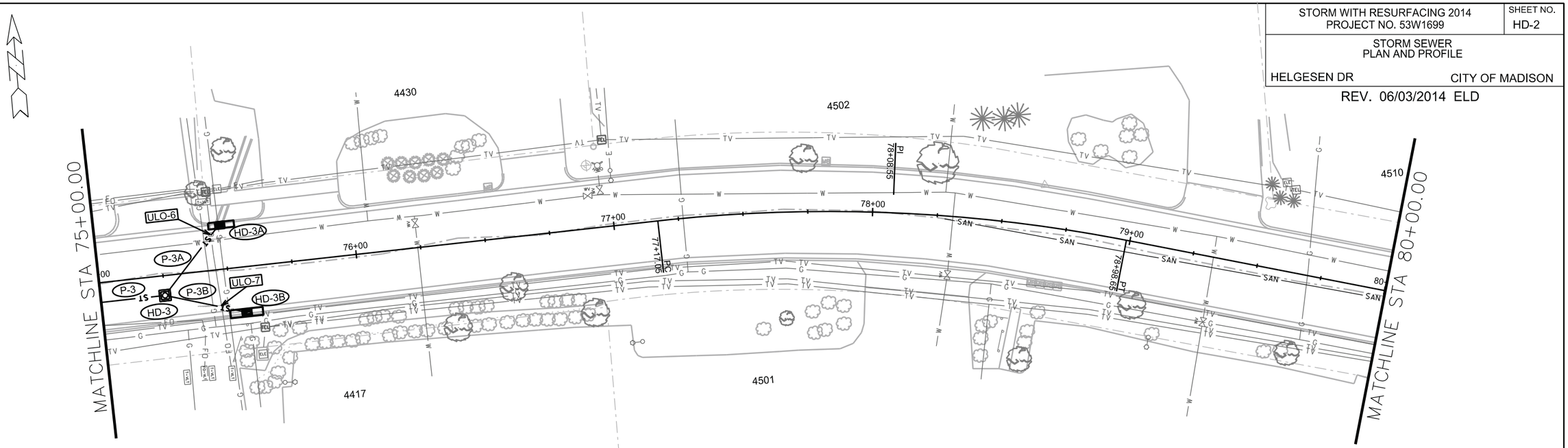
PLOT NAME: ____
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Helgesen\Storm\Design\53W1695STM-PnPH1.dgn
DATE: 6/3/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. HD-2
STORM SEWER PLAN AND PROFILE	
HELGESEN DR	CITY OF MADISON

REV. 06/03/2014 ELD



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PLOT NAME: ——

REV. DATE: ——

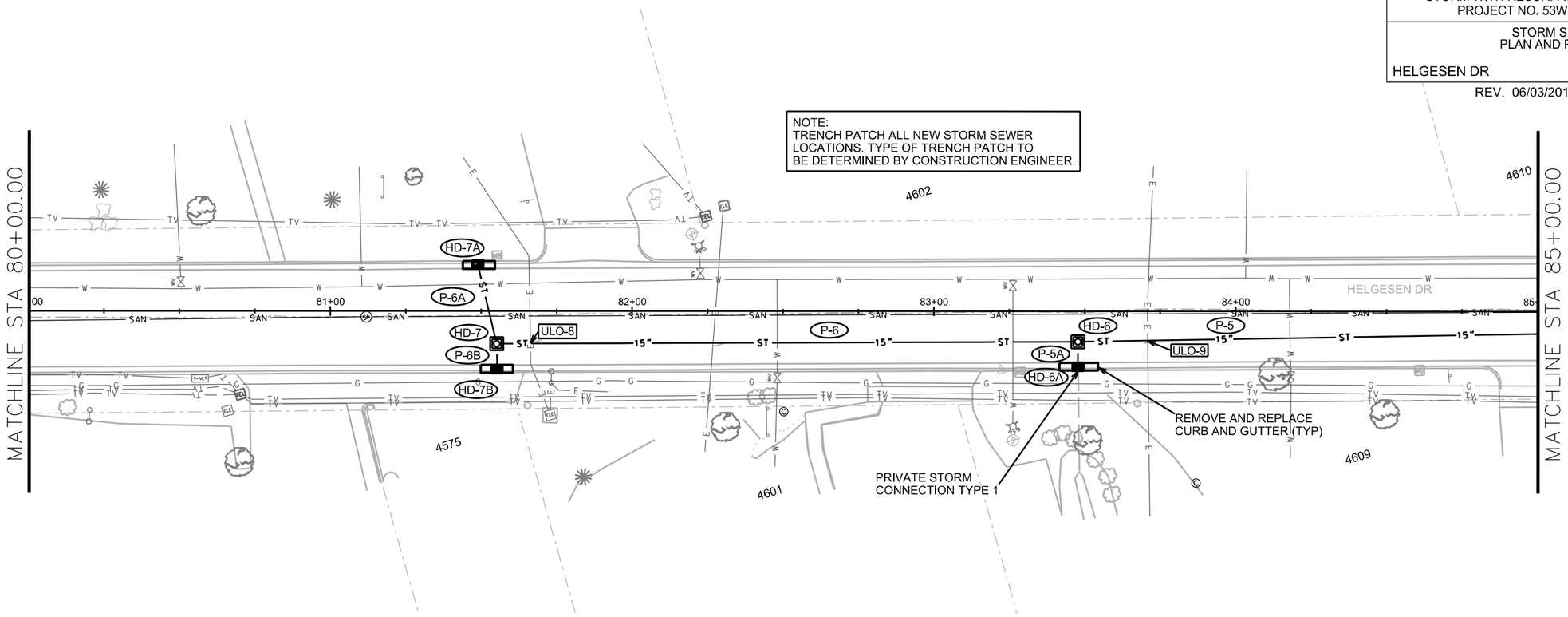
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

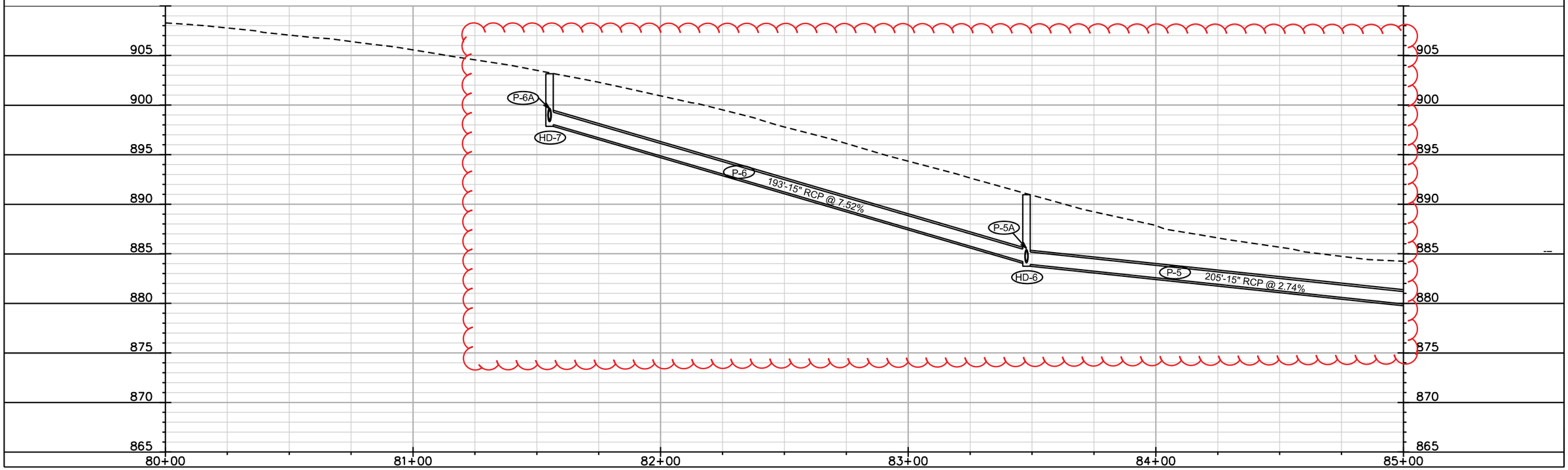
FILE NAME: M:\DESIGN\Projects\53W1695\Helgesen\Storm\Design\53W1695STM-PnPH2.dgn

DATE: 6/3/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. HD-3
STORM SEWER PLAN AND PROFILE	
HELGESEN DR	CITY OF MADISON
REV. 06/03/2014 ELD	

NOTE:
TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.



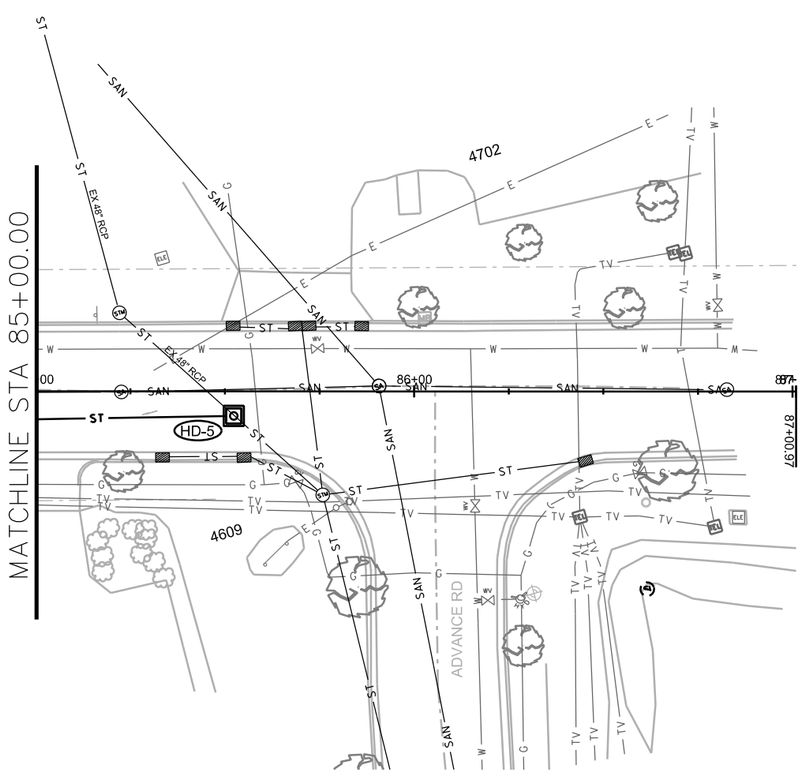


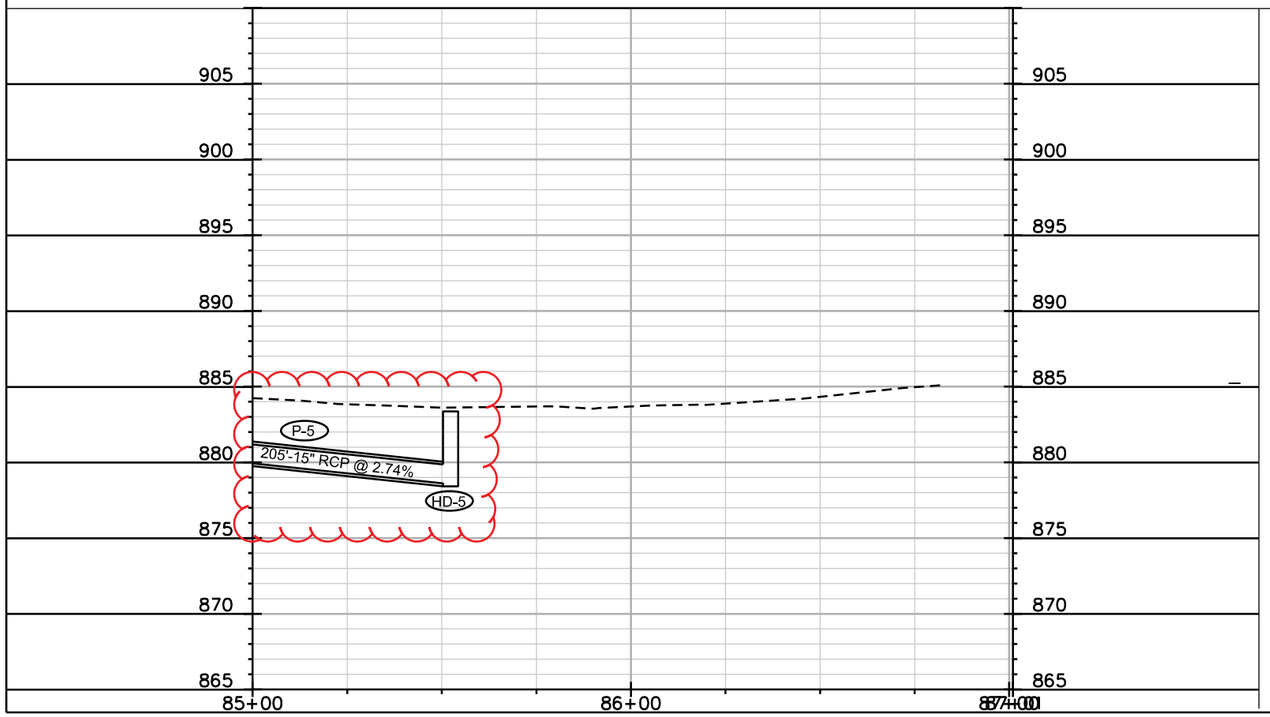
PLOT SCALE: ____
PLOT NAME: ____
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Helgesen\Storm\Design\53W1695STM-PnPH3.dgn DATE: 6/3/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. HD-4
STORM SEWER PLAN AND PROFILE	
HELGESEN DR	CITY OF MADISON

REV. 06/03/2014 ELD





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PLOT NAME: ——

REV. DATE: ——

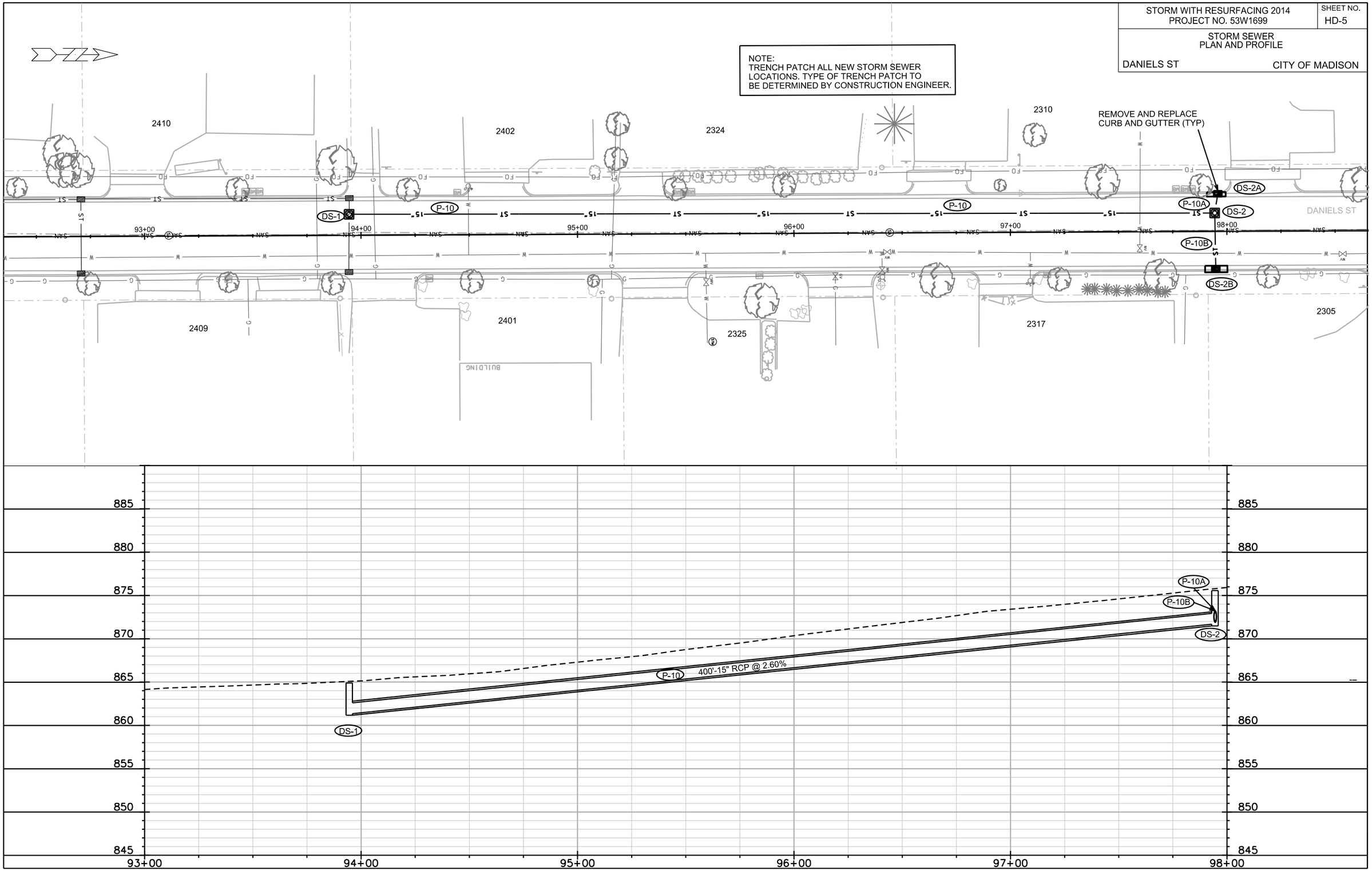
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Helgesen\Storm\Design\53W1695STM-PnPH4.dgn

DATE: 6/3/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. HD-5
STORM SEWER PLAN AND PROFILE	
DANIELS ST	CITY OF MADISON

NOTE:
TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.



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

FILE NAME: M:\DESIGN\Projects\53W1695\Helgesen\Storm\Design\53W1695STM-PnPDS1.dgn DATE: 3/11/2014

STORM SEWER SCHEDULE

REVISED 06/03/2014 ELD

STORM WITH RESURFACING 2014	SHEET NO.
PROJECT NO. 53W1699	HD-6
HELGESEN DR & DANIELS ST	
STORM SEWER SCHEDULE	CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
Helgesen Drive							
HD-0	70+48.66	LT-13.92	TAP EX IN 6653-007	897.07	**894.55**	**2.52**	TAP AT EI=893.75
HD-1	70+76.56	LT-14.00	H INLET	897.47	**894.62**	**2.85**	FP; W/ R-3067-7004-V
HD-2	71+25.00	RT-7.08	3X3 SAS	898.13	**894.77**	**3.36**	W/ R-1550-0054
HD-2A	71+25.00	RT-21.00	H INLET	898.40	**895.25**	**3.15**	W/ R-3067-7004-V
HD-3	75+25.00	RT-7.60	3X3 SAS	904.28	**897.15**	**7.13**	W/ R-1550-0054
HD-3A	75+48.87	LT-16.91	H INLET	904.45	**897.77**	**6.68**	W/ R-1878-B7G; (2)
HD-3B	75+55.67	RT-17.60	H INLET	904.96	**897.30**	**7.66**	W/ R-3067-7004-V
HD-5	85+52.31	RT-6.52	4X4 SAS	883.37	**878.20**	**5.17**	W/ R-1550-0054
HD-6	83+47.75	RT-10.07	3X3 SAS	890.95	**884.00**	**6.95**	W/ R-1550-0054
HD-6A	83+47.75	RT-18.41	H INLET	891.08	887.18	3.90	W/ R-3067-7004-V; (1)
HD-7	81+55.00	RT-10.78	3X3 SAS	903.16	**898.50**	**4.66**	W/ R-1550-0054
HD-7A	81+48.83	LT-15.50	H INLET	903.55	900.15	3.40	W/ R-3067-7004-V
HD-7B	81+55.00	RT-19.20	H INLET	903.20	899.80	3.40	W/ R-3067-7004-V
Daniels Street							
DS-1	93+94.54	LT-9.75	3X3 SAS	864.90	861.35	3.55	W/ R-1550-0054
DS-2	97+94.44	LT-8.59	3X3 SAS	875.57	871.67	3.90	W/ R-1550-0054
DS-2A	97+95.90	LT-17.48	H INLET	875.33	871.97	3.36	W/ R-3067-7004-V
DS-2B	97+94.83	RT-17.15	H INLET	875.75	872.35	3.40	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	HD-0	HD-1	28	**894.55**	**894.62**	**0.30%**	15"	RCP	-
P-2	HD-1	HD-2	53	**894.62**	**894.77**	**0.30%**	15"	RCP	-
P-2A	HD-2	HD-2A	14	**895.02**	**895.25**	**2.02%**	12"	RCP	-
P-3	HD-2	HD-3	400	**894.77**	**896.90**	**0.54%**	15"	RCP	-
P-3A	HD-3	HD-3A	35	**897.15**	**897.77**	**2.00%**	12"	RCP	-
P-3B	HD-3	HD-3B	32	**897.15**	**897.30**	**0.50%**	12"	RCP	-
P-5	HD-5	HD-6	205	**878.20**	**883.71**	**2.74%**	15"	RCP	-
P-5A	HD-6	HD-6A	8	**884.25**	**887.18**	**50.14%**	12"	RCP	-
P-6	HD-6	HD-7	193	**884.00**	**898.25**	**7.52%**	15"	RCP	-
P-6A	HD-7	HD-7A	27	**898.50**	**900.15**	**6.75%**	12"	RCP	-
P-6B	HD-7	HD-7B	8	**898.50**	**899.80**	**21.94%**	12"	RCP	-
P-10	DS-1	DS-2	400	861.35	871.67	2.60%	15"	RCP	-
P-10A	DS-2	DS-2A	9	871.92	871.97	0.77%	12"	RCP	-
P-10B	DS-2	DS-2B	26	871.92	872.35	1.85%	12"	RCP	-

STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
RS-1	IN 6653-006	70+58.00	LT-14.00	H INLET	-

STORM PIPE REMOVALS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
RP-1	HD-0	RS-1	11	N	12"	RCP	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO-1	70+62.25	LT-14.00	**TELE**	**TOP 4" PVC 894.05**
ULO-2	70+68.42	LT-14.00	ELEC	**TOP 4" PVC 892.0911 - OK**
ULO-3	71+24.85	RT-17.47	**TELE**	**TOP 5" PVC 894.72**
ULO-4	73+45.16	RT-7.25	ELEC	**TOP 4" PVC 899.16**
ULO-5	74+21.74	RT-7.59	**TELE**	**TOP 2" PVC 899.30**
ULO-61	**75+38.2**	**LT-11.9**	FO	**TOP 4" PVC 900.87**
ULO-62A	**75+44.5**	**LT-12.0**	**FO**	**TOP 4" PVC 900.50**
ULO-62B	**75+48.0**	**LT 12.2**	**GA**	**TOP 2" STEEL 901.14**
ULO-71A	**75+49.6**	**RT-17.0**	**FO**	**TOP 4" PVC 899.48**
ULO-71B	**75+49.6**	**RT-17.0**	**GA**	**TOP 2" PVC 900.73**
ULO-72A	**75+46.4**	**RT-13.8**	**FO**	**TOP 4" PVC 902.5**
ULO-72B	**75+43.7**	**RT-13.7**	**GA**	**TOP 2" PVC 902.37**
ULO-73A	**75+39.9**	**RT-13.6**	**FO**	**TOP 2" PVC 902.26**
ULO-73B	**75+38.1**	**RT-13.3**	**FO**	**TOP 4" PVC 901.16**
ULO-8	81+66.26	RT-10.86	ELEC	**TOP 2X4" 900.04**
ULO-9	83+70.85	RT-9.73	ELEC	**TOP 2X5" 885.87**
ULO-EX1	**82+28.7**	**RT-11.2**	**ELEC**	**TOP 4" PVC 895.61**
ULO-EX2	**85+29.2**	**RT5.9**	**ELEC**	**TOP 4" PVC 880.85**

SPECIFIC NOTES:

(1) PRIVATE STORM CONNECTION TYPE 1
(2) FLUME TO BE SALVAGED AND DIRECTED TO DISCHARGE INTO NEW 'H' INLET

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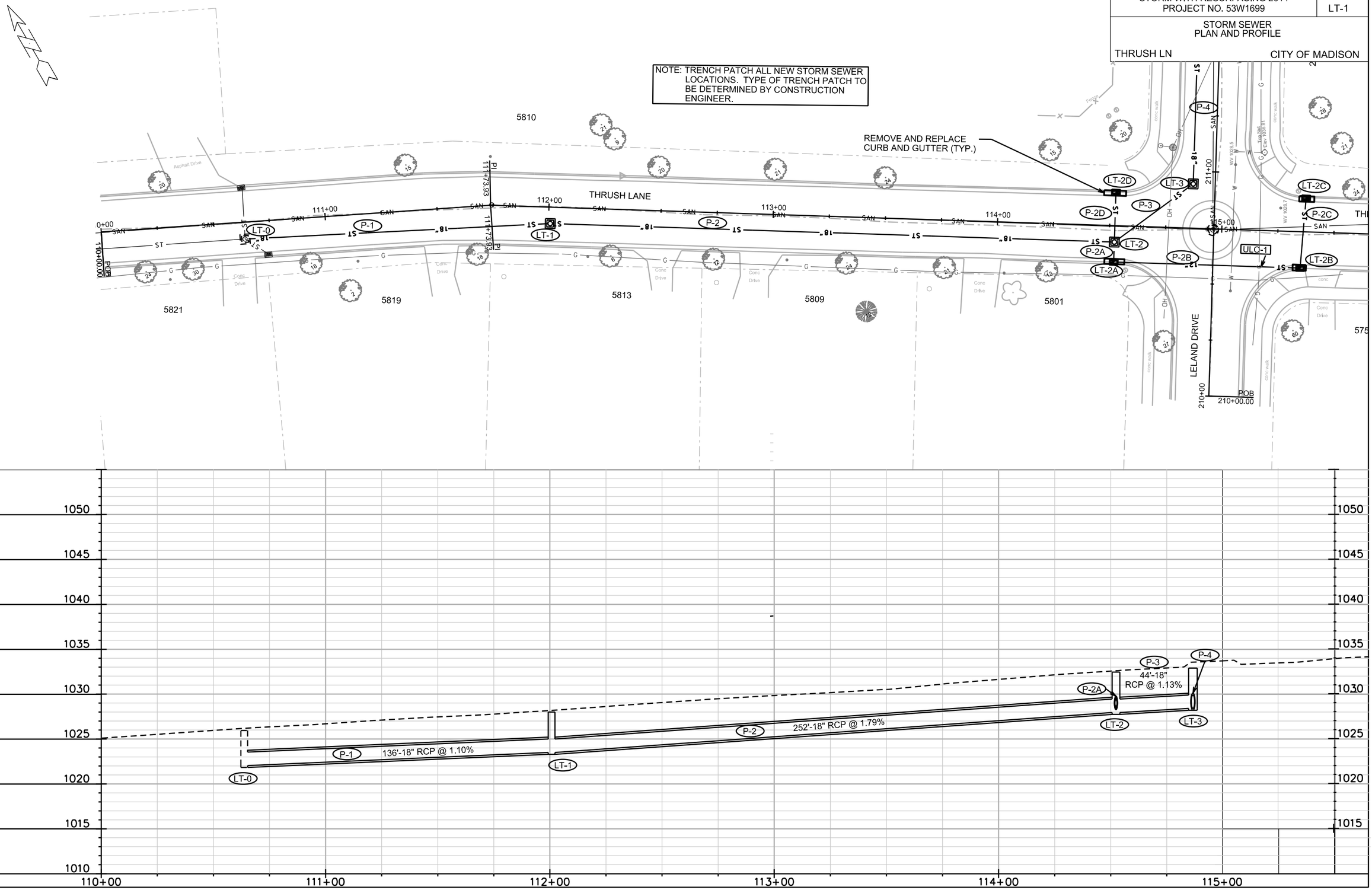
PLOT SCALE: _ _ _
PLOT NAME: _ _ _
REV. DATE: _ _ _
ORIGINATOR: CITY OF MADISON STREETS DIVISION

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. LT-1
STORM SEWER PLAN AND PROFILE	
THRUSH LN	CITY OF MADISON

NOTE: TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.



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PLOT NAME: ——

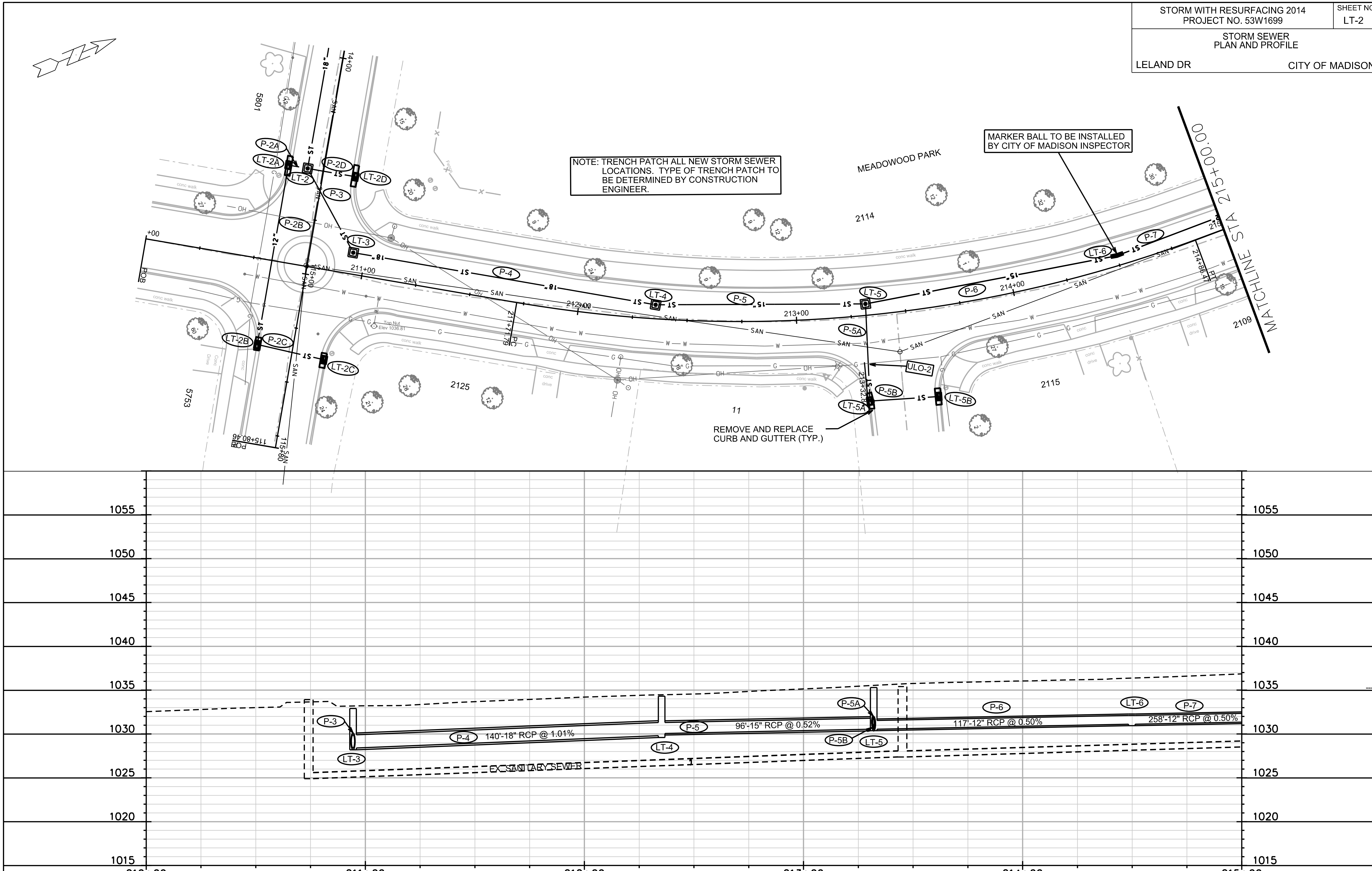
REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Leland Thrush\Storm\Design\53W1695STM-PnPThrush1.dgn

DATE: 3/11/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. LT-2
STORM SEWER PLAN AND PROFILE	
LELAND DR — CITY OF MADISON	



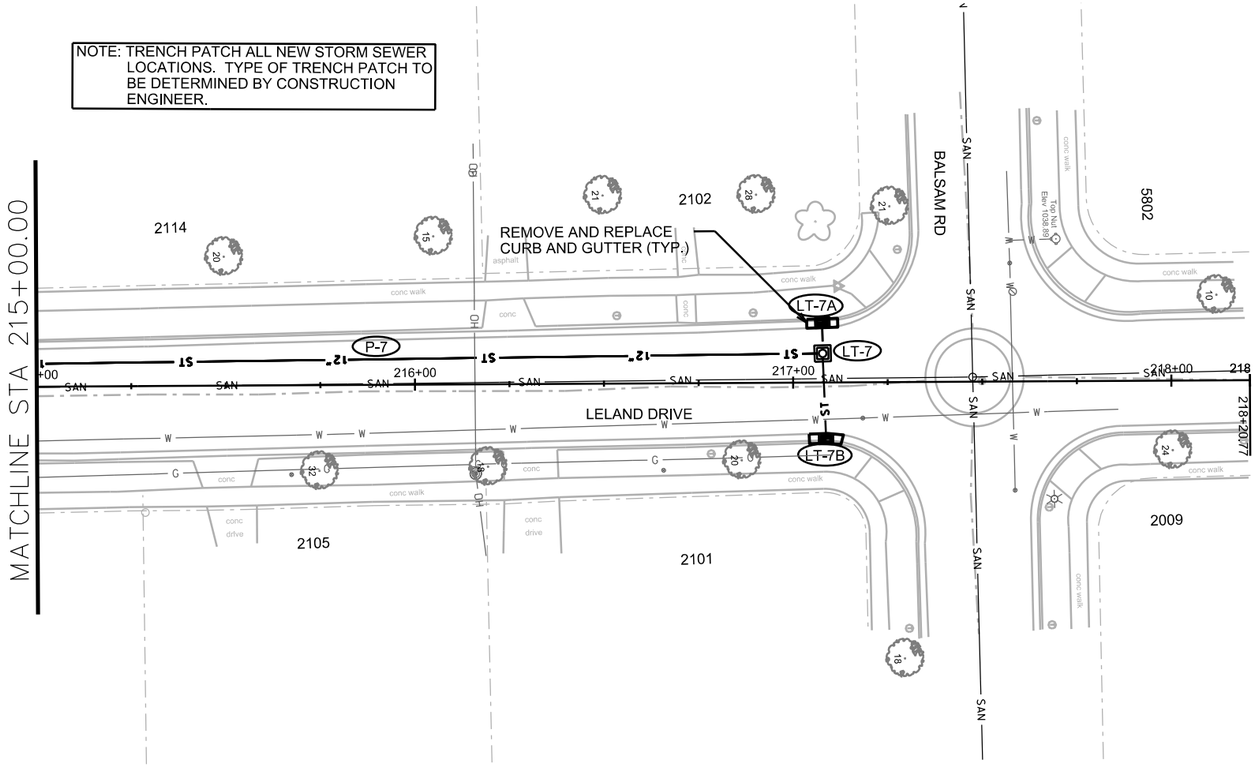
PLOT SCALE: ___ PLOT NAME: ___ REV. DATE: ___

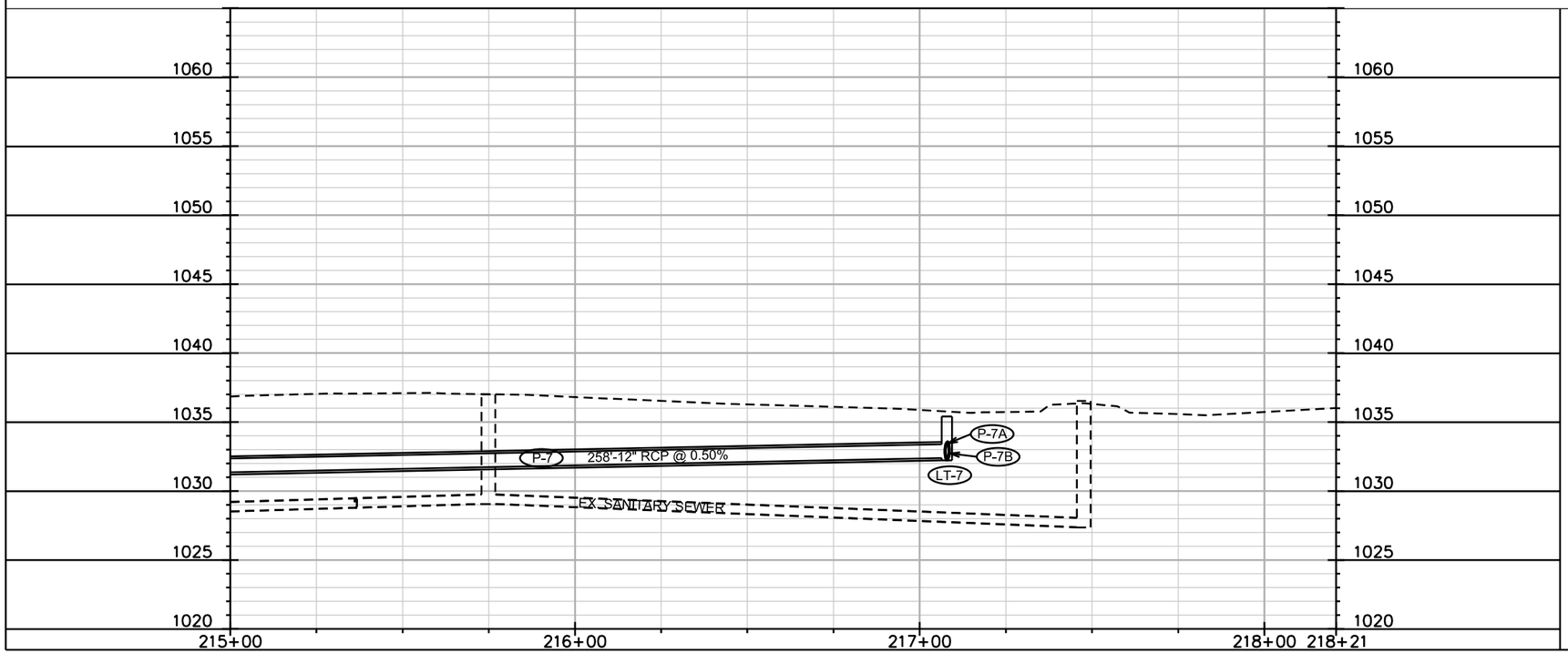
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Leland Thrush\Storm\Design\53W1695STM-PnPLeland1.dgn DATE: 3/11/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. LT-3
STORM SEWER PLAN AND PROFILE	
LELAND DR	CITY OF MADISON

NOTE: TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.





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PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Leland Thrush\Storm\Design\53W1695STM-PnPLeland2.dgn

DATE: 3/11/2014

STORM SEWER SCHEDULE

STORM WITH RESURFACING 2014	SHEET NO.
PROJECT NO. 53W1699	LT-4

LELAND
STORM SEWER SCHEDULE — CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
LT-0	110+63.76	RT-7.57	TAP EX	1025.94	1022.04	3.90	TAP AT EI=1022.04
LT-1	112+00.00	RT-7.30	3X3 SAS	1028.00	1023.50	4.50	W/ R-1550-0054
LT-2	114+52.00	RT-7.30	3X3 SAS	1032.45	1027.95	4.50	FP; W/ R-1550-0054
LT-2A	114+52.00	RT-16.73	H INLET	1032.51	1029.11	3.40	W/ R-3067-7004-V
LT-2B	115+35.46	RT-16.20	H INLET	1033.17	1029.77	3.40	W/ R-3067-7004-V
LT-2C	115+36.98	LT-15.36	H INLET	1033.77	1030.37	3.40	W/ R-3067-7004-V
LT-2D	114+52.00	LT-14.55	H INLET	1032.38	1028.98	3.40	W/ R-3067-7004-V
LT-3	210+94.38	LT-9.80	3X3 SAS	1032.90	1028.40	4.50	FP; W/ R-1550-0054
LT-4	212+35.24	LT-6.40	3X3 SAS	1034.31	1029.81	4.50	W/ R-1550-0054
LT-5	213+32.05	LT-5.23	3X3 SAS	1035.29	1030.54	4.75	FP; W/ R-1550-0054
LT-5A	213+20.27	RT-39.09	H INLET	1035.32	1031.76	3.56	W/ R-3067-7004-V
LT-5B	213+59.38	RT-40.73	H INLET	1036.02	1032.62	3.40	W/ R-3067-7004-V
LT-6	214+50.00	LT-4.50	12" RCP FIELD BEND	DNA	1030.60	DNA	FP; (1)
LT-7	217+07.86	LT-7.69	3X3 SAS	1035.41	1032.38	3.03	FP; W/ R-1550-0054
LT-7A	217+08.88	LT-15.60	H INLET	1035.47	1032.44	3.03	FP; W/ R-3067-7004-V
LT-7B	217+08.63	RT-14.96	H INLET	1036.33	1032.58	3.75	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	LT-0	LT-1	136	1022.04	1023.50	1.10%	18"	RCP	-
P-2	LT-1	LT-2	252	1023.50	1027.95	1.79%	18"	RCP	-
P-2A	LT-2	LT-2A	9	1028.45	1029.11	10.31%	12"	RCP	-
P-2B	LT-2A	LT-2B	83	1029.11	1029.77	0.82%	12"	RCP	-
P-2C	LT-2B	LT-2C	31	1029.77	1030.37	2.05%	12"	RCP	-
P-2D	LT-2	LT-2D	22	1028.45	1028.98	2.70%	12"	RCP	-
P-3	LT-2	LT-3	44	1027.95	1028.40	1.13%	18"	RCP	-
P-4	LT-3	LT-4	140	1028.40	1029.81	1.01%	18"	RCP	-
P-5	LT-4	LT-5	96	1030.06	1030.54	0.52%	15"	RCP	-
P-5A	LT-5	LT-5A	44	1030.79	1031.76	2.34%	12"	RCP	-
P-5B	LT-5A	LT-5B	31	1031.76	1032.62	2.92%	12"	RCP	-
P-6	LT-5	LT-6	117	1030.54	1031.11	0.50%	12"	RCP	-
P-7	LT-6	LT-7	258	1031.11	1032.38	0.50%	12"	RCP	-
P-7A	LT-7	LT-7A	8	1032.38	1032.44	1.00%	12"	RCP	-
P-7B	LT-7	LT-7B	23	1032.38	1032.58	1.00%	12"	RCP	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO-1	115+18.00	RT-15.90	GAS	NEW MAIN
ULO-2	213+30.72	RT-21.66	GAS	NEW MAIN

SPECIFIC NOTES

(1) MARKER BALL TO BE INSTALLED BY CITY OF MADISON INSPECTOR

STANDARD NOTES:

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

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. PF-1
STORM SEWER PLAN AND PROFILE	
PFLAUM RD	CITY OF MADISON

REVISED 5/29 ELD

NOTE:
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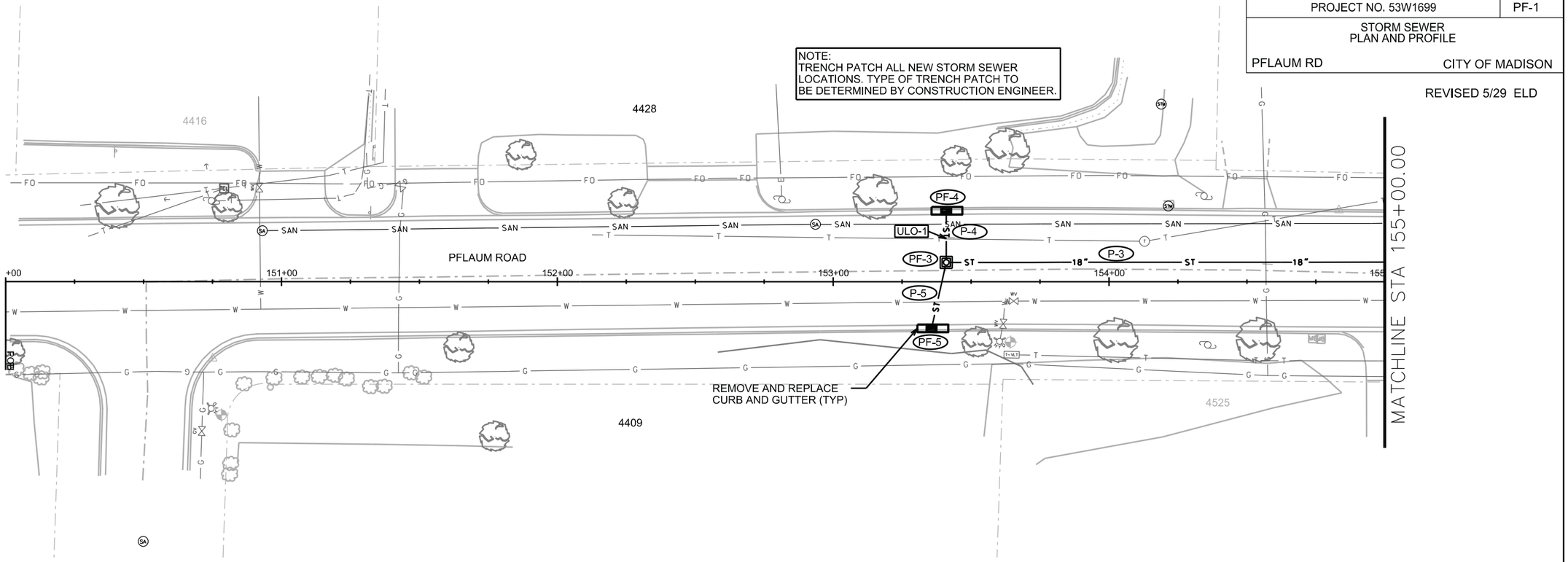

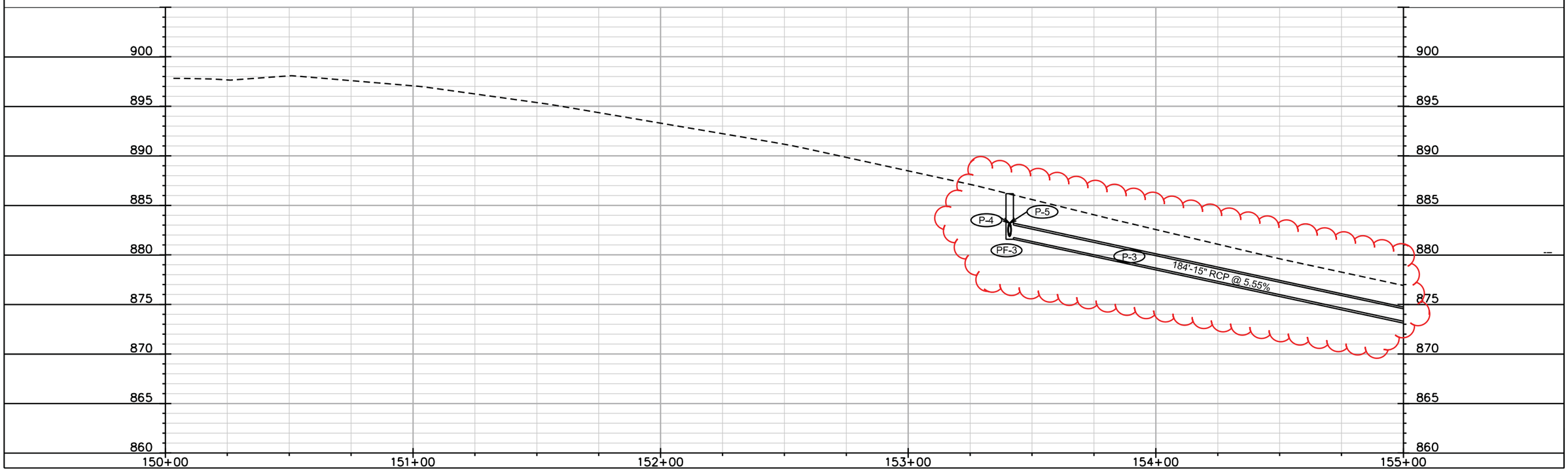

PLOT SCALE: ____
PLOT NAME: ____
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Pflaum\Storm\Design\53W1695STM-PnP##1.dgn
DATE: 5/29/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. PF-2
STORM SEWER PLAN AND PROFILE	
PFLAUM RD	CITY OF MADISON

REVISED 5/29/14 ELD

NOTE:
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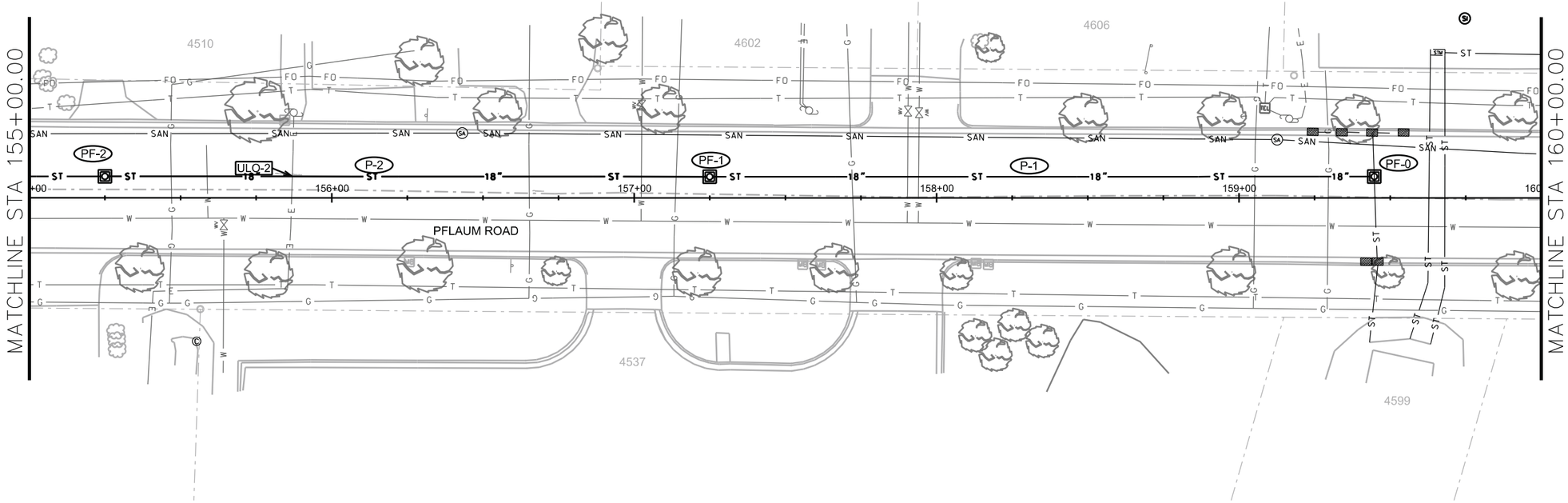
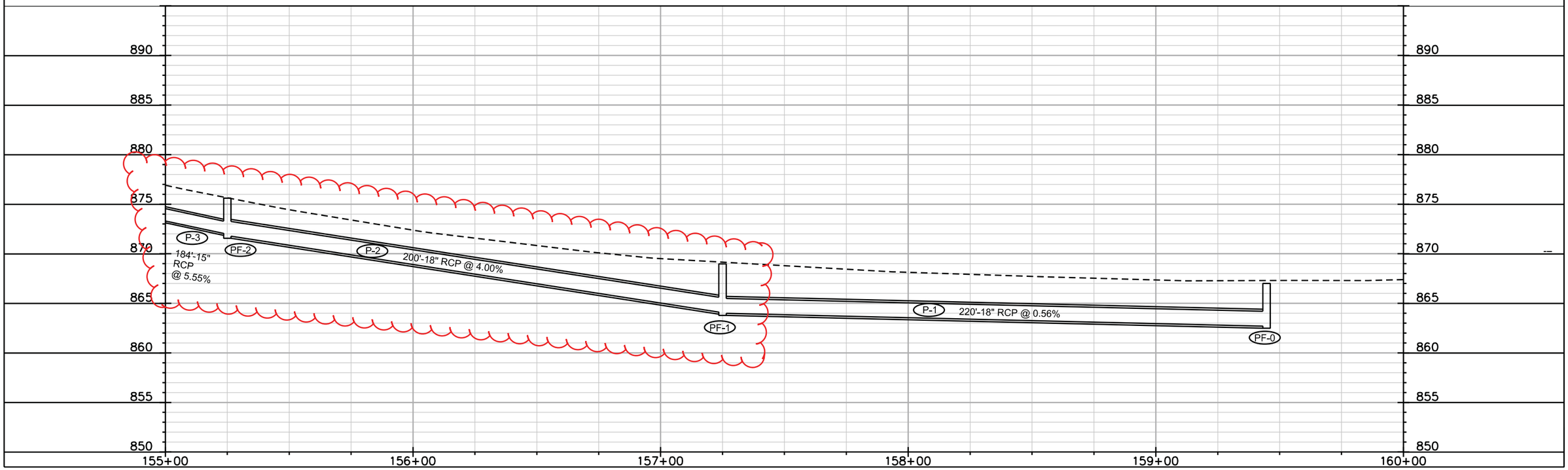


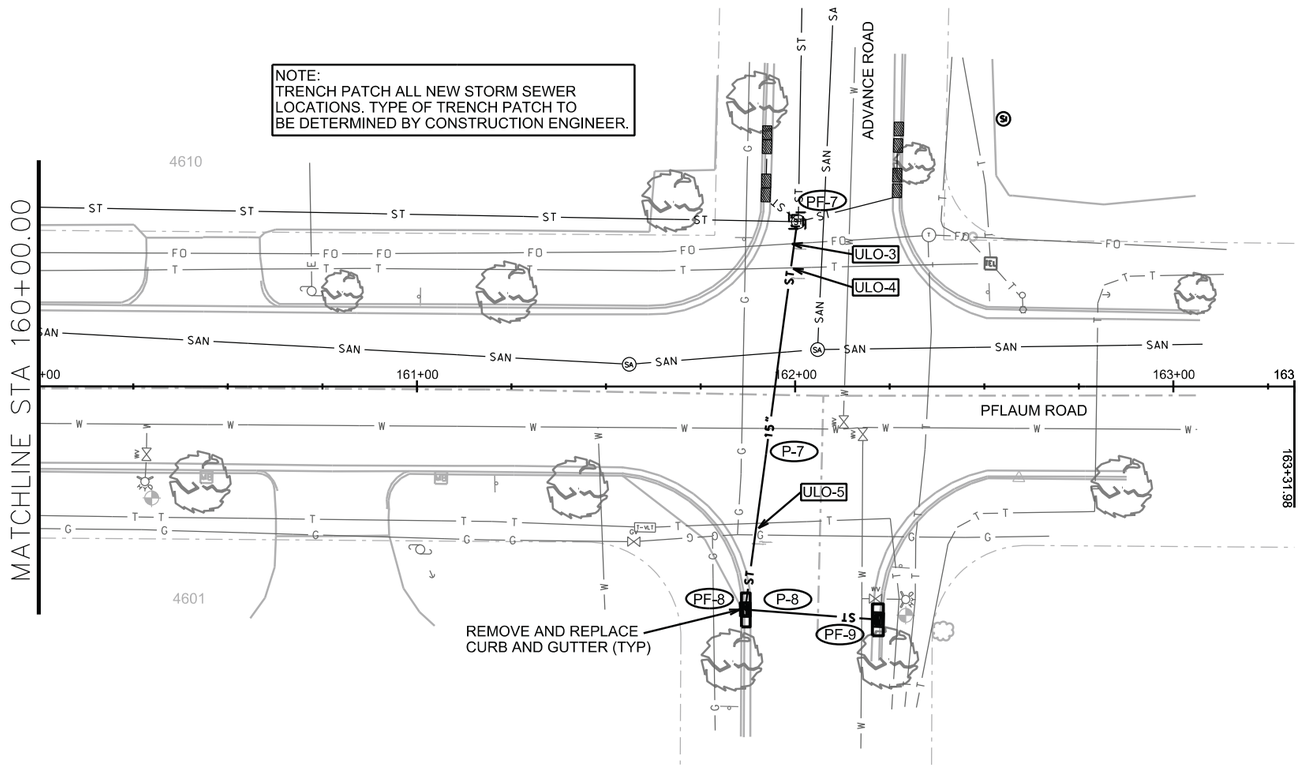


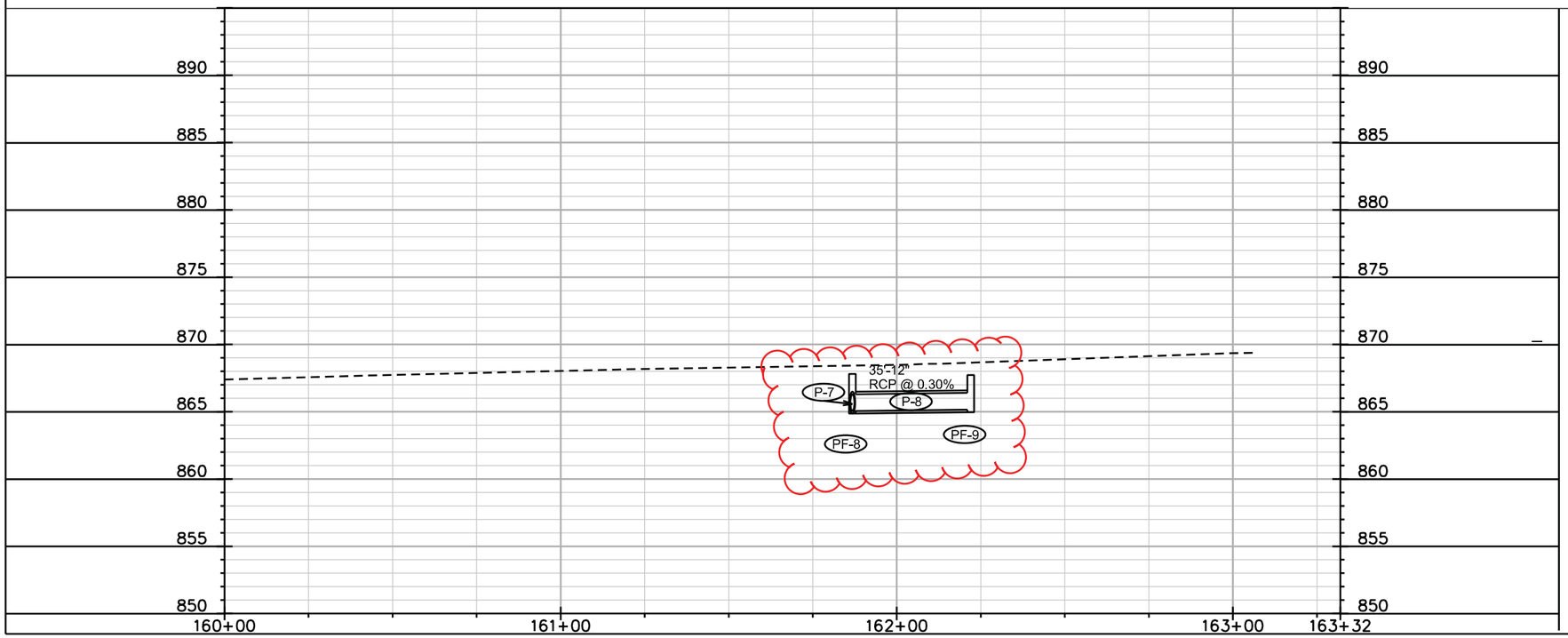
PLOT SCALE: ——
PLOT NAME: ——
REV. DATE: ——
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Pflaum\Storm\Design\53W1695STM-PnP##2.dgn DATE: 5/29/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. PF-3
STORM SEWER PLAN AND PROFILE	
PFLAUM RD	CITY OF MADISON

REVISED 5/29/14 ELD





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

FILE NAME: M:\DESIGN\Projects\53W1695\Pflaum\Storm\Design\53W1695STM-PnP##3.dgn DATE: 5/29/2014

STORM SEWER SCHEDULE

REVISED 05-29-2014 ELD

STORM WITH RESURFACING 2014	SHEET NO.
PROJECT NO. 53W1699	PF-4

PFLAUM RD
STORM SEWER SCHEDULE — CITY OF MADISON

STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
	PF-0	159+44.71	LT-7.00	3X3 SAS	867.00	862.67	4.33	W/ R-1550-0054
	PF-1	157+25.00	LT-7.00	3X3 SAS	868.97	864.00	4.97	W/ R-1550-0054
*	PF-2	155+25.00	LT-7.00	3X3 SAS	875.60	**871.88**	**3.72**	**W/ R-1550-0054; FP**
	PF-3	153+41.00	LT-7.00	3X3 SAS	886.18	881.92	4.26	W/ R-1550-0054
	PF-4	153+40.53	LT-26.85	H INLET	885.92	882.52	3.40	W/ R-3067-7004-V
	PF-5	153+35.65	RT-17.96	H INLET	886.26	882.55	3.71	W/ R-3067-7004-V
*	PF-7	162+00.00	LT-43.57	TAP	DNA	**864.75**	DNA	EX AS 6754-007
*	PF-8	161+86.00	RT-59.00	H INLET	867.81	**865.05**	2.76	W/ R-3067-7004-V; FP
*	PF-9	162+23.00	RT-61.64	H INLET	867.72	**865.15**	2.57	**W/ R-3067-7004-V; FP**

PIPES

	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
	P-1	PF-0	PF-1	220	862.67	864.00	0.56%	18"	RCP	-
*	P-2	PF-1	PF-2	200	864.00	**871.88**	**4.00%**	18"	RCP	-
*	P-3	PF-2	PF-3	184	**871.88**	881.92	**5.55%**	**15"**	RCP	**NCM**
*	P-4	PF-3	PF-4	19	**882.17**	882.52	**2.15%**	12"	RCP	-
*	P-5	PF-3	PF-5	25	**882.17**	882.55	**1.73%**	12"	RCP	-
*	P-7	PF-7	PF-8	104	**864.75**	**865.05**	**0.30%**	**12"**	RCP	NCM
*	P-8	PF-8	PF-9	35	**865.05**	**865.15**	**0.30%**	**12"**	RCP	-

ULO SCHEDULE

	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
*	ULO-1	153+41.00	LT-15.00	TELEPHONE	**TOP 12"X18" FIBER CONC DUCT = 850.28**
*	ULO-2	155+87.00	LT-6.90	ELEC	**TOP 6" ELEC PVC = 877.1053**
*	**ULO2A**	**155+82.20**	**LT-8.00**	**TEL PVC**	**TOP 1 INCH TEL PVC = 876.8014**
*	ULO-3	162+00.00	LT-37.66	FO	**TOP 2 IN TEL PVC = 864.5393**
*	ULO-4	161+99.00	LT-31.36	TELEPHONE	**TOP 3X4 TEL PVC = 862.5958**
*	ULO-5	161+90.00	RT-37.50	TELEPHONE & GAS	**TOP 2 IN GAS STEEL = 863.1427**
					TOP 5" TEL PVC = 861.5423
*	**ULOEX-1**	**154+56.60**	**LT-6.40**	**GAS**	**TOP 2" GASSTEEL = 875.6895**
*	**ULO-EX2**	**156+67.40**	**LT-2.30**	**GAS**	**TOP 2" GAS STEEL = 865.0668**

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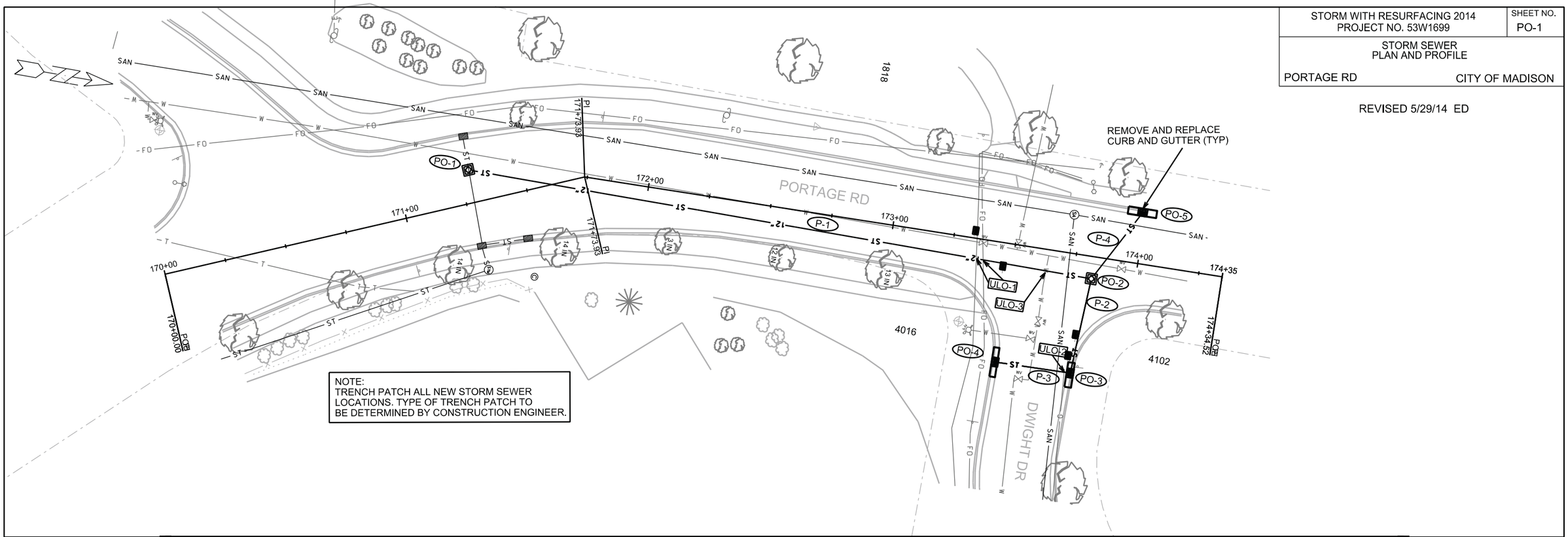
PLOT SCALE: _ _ _
PLOT NAME: _ _ _
REV. DATE: _ _ _
ORIGINATOR: CITY OF MADISON STREETS DIVISION

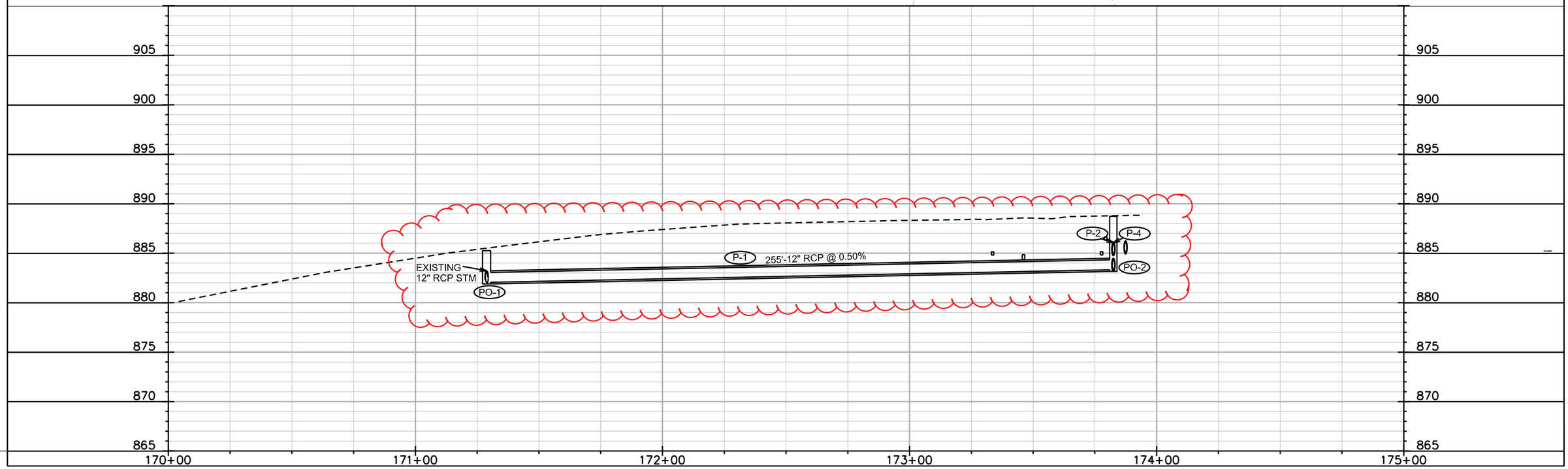
FILE NAME: M:\DESIGN\PROJECTS\53W1695\PFLAUM\STORM\DESIGN\STORM SCHEDULE - REV 05

DATE: 05/29/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. PO-1
STORM SEWER PLAN AND PROFILE	
PORTAGE RD	CITY OF MADISON

REVISED 5/29/14 ED





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

FILE NAME: M:\DESIGN\Projects\53W1695\Portage\Storm\Design\53W1695STM-PnP##1.dgn DATE: 5/29/2014

STORM SEWER SCHEDULE

REVISED 05-29-2014 ELD

STORM WITH RESURFACING 2014	SHEET NO.
PROJECT NO. 53W1699	PO-2

PORTAGE RD
STORM SEWER SCHEDULE — CITY OF MADISON

STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
	PO-1	171+28.70	LT-13.00	3X3 SAS	885.25	882.06	3.19	W/ R-1550-0054
*	PO-2	173+82.50	RT-9.00	3X3 SAS	888.72	**883.32**	**5.40**	W/ R-1550-0054
*	PO-3	173+81.00	RT-47.90	H INLET	889.19	**884.00**	**5.19**	W/ R-3067-7004-V
	PO-4	173+47.90	RT-48.00	H INLET	889.69	886.29	3.40	W/ R-3067-7004-V
	PO-5	173+99.00	LT-22.00	H INLET	888.95	885.55	3.40	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	PO-1	PO-2	255	882.06	**883.32**	**0.50%**	12"	RCP	-
*	P-2	PO-2	PO-3	39	**883.32**	**884.00**	**1.89%**	12"	RCP	-
*	P-3	PO-3	PO-4	31	**884.00**	**886.29**	**7.98%**	12"	RCP	-
	P-4	PO-2	PO-5	34	884.92	885.55	2.04%	12"	RCP	-

ULO SCHEDULE

	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
*	ULO-1	173+37.00	RT-8.00	TV & FO	**TOP 2" 885.1401**
*	ULO-2	173+77.44	RT-48.00	**TEL**	**TOP 2" 886.6464**
*	ULO-3	173+64+00	RT-8.50	**ELEC**	**TOP 2X4" PVC 884.8520**

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REV. DATE: _ _ _
ORIGINATOR: CITY OF MADISON STREETS DIVISION

FILE NAME: M:\DESIGN\PROJECTS\53W1695\PORTAGE\STORM\DESIGN\REV 5_23 STORM SCHEDI

DATE: 05/29/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. W-1
WATER PLAN AND PROFILE	
GILBERT ROAD	CITY OF MADISON
PM: DENNIS CAWLEY	DESIGNER: KBM

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

CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

MEMBER ONE CALL SYSTEMS INTERNATIONAL

NOTE: TRENCH PATCH ALL NEW WATER INSTALLATION LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.

STA 300+88.0 /20.7' LT
5-IN HYDRANT
7.04 / W-7

STA 300+88.0 /11.2' LT
6-IN VALVE

STA 300+88.0 /8.2' LT
12-IN X 6-IN TEE

ULO W-2
ATT MH & DUCT

STA 300+84.1 /8.2' LT
12-IN 45° BEND

ULO W-1
ATT DUCT

STA 300+50.5 /17.3' RT
CUT IN & CONNECT TO EX.12-IN X 6-IN CROSS; INSTALL 12-IN CAP ON EX. MAIN

WN20 W-5

WN8

WN10

FIELD PLACE 12-IN X 12-IN VERTICAL OFFSET AS R'QD TO MAINTAIN CLEARANCES W/ SEWERS; SEE PROFILE

STA 300+58.5 /17.4' RT
12-IN 45° BEND

STA 300+54.5 /17.3' RT
12-IN VALVE

WN4 1-IN

WN2 1-IN INSULATE

INSULATE, TYP.

STA 303+50.6 /7.6' LT
12-IN X 6-IN TEE

STA 303+50.6 /4.1' LT
6-IN VALVE

REMOVE & REPLACE CURB & GUTTER, TYP.

STA 303+50.4 /21.5' RT
5-IN HYDRANT
7.04 / W-7

EX. 3/4-IN

070931208304
1222 GILBERT RD
MANI, EDWARD & PATRICE

070931208312
1212 GILBERT RD
PEREGRINE, FRANK & LAUREN

070931208320
1208 GILBERT RD
CORRADINI, MICHAEL L

070931104023
1221 GILBERT RD
NECKVATAL, DANIEL B
CATHERINE A NECKVATAL

070931104015
1217 GILBERT RD
STAATS, CURTIS & PATRICIA

070931104338
1209 GILBERT RD
HEINZELMAN, DAVID W
& SHARON F HEINZELMAN

Hammersley Rd

Gilbert Road

MATCHLINE STA 305+00.00

300+00 301+00 302+00 303+00 304+00 305

6-IN CI (1951)

12-IN DI (1998)

EX. 24" VP

EX. 36" RCP

EX. 24" RCP

PBD 300+00.00

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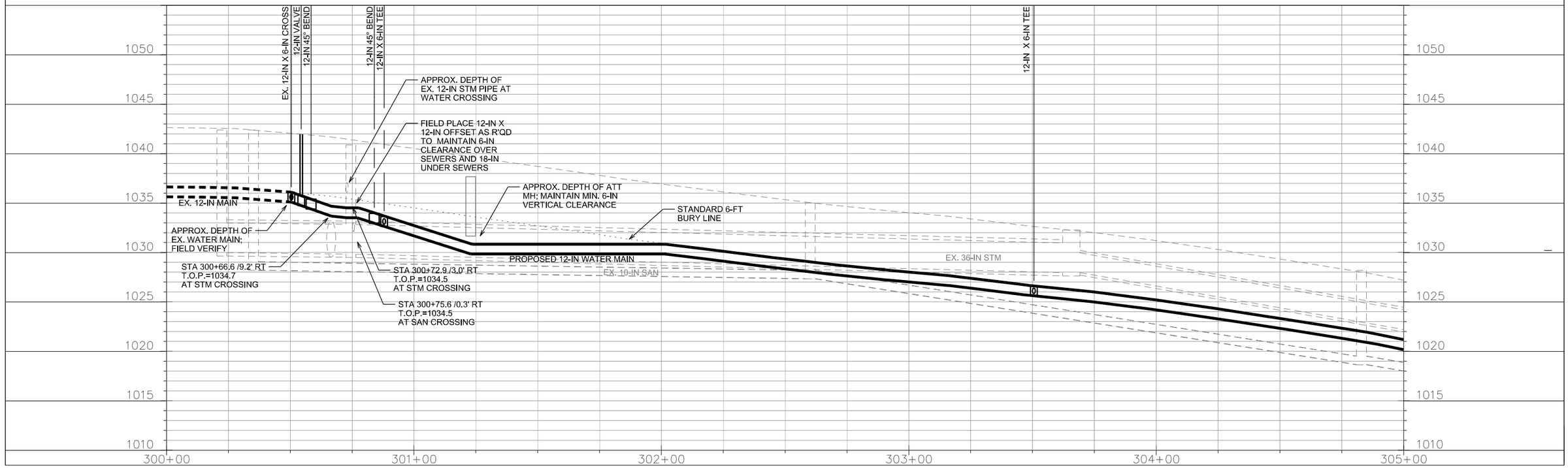

PLOT SCALE: ——
PLOT NAME: ——
REV. DATE: ——
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Gilbert\Water\Design\53W1695GilbWU-PnPG1.dgn

DATE: 3/8/2014

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STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. W-2
WATER PLAN AND PROFILE	
GILBERT ROAD	CITY OF MADISON
PM: DENNIS CAWLEY	DESIGNER: KBM

MATCHLINE STA 305+00.00

MATCHLINE STA 310+00.00

070931208320
1208 GILBERT RD
CORRADINI, MICHAEL L

070931208338
1202 GILBERT RD
DRINKA, PAUL J
THERESA JK DRINKA

070931208346
1134 GILBERT RD
HILDEBRAND, DAWN E

070931208560
1130 GILBERT RD
DODD, RICHARD L
& MARILYN I DODD

EX. 3/4-IN WN4 1-IN

INSULATE, TYP.

ULO W-3
ATT MH & DUCT

STA 307+13.2 /6.9' LT
12-IN VALVE

STA 307+17.2 /6.9' LT
12-IN X 8-IN TEE

STA 307+21.2 /6.9' LT
12-IN VALVE

Gilbert Drive

Gilbert Road

6-IN CI (1951)

2" PL

EX 24" VP

WV 1014.1

WV 1013.4

WN8

TEMP. 12-IN PLUG FOR FLUSHING

CUT-IN CONNECTION; CONNECT TO EX. 8-IN VALVE AFTER 6-IN MAIN HAS BEEN ABANDONED

WN21
W-5

EX. 3/4-IN WN2 1-IN
INSULATE

Whitcomb Dr

8-IN DI (2012)

NOTE: TRENCH PATCH ALL NEW WATER INSTALLATION LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.

SERVED OFF WHITCOMB
070931104320
5413 WHITCOMB DR
HALBERSLABEN, GARY A
& KATHERINE HALBERSLABEN

070931102043
5426 WHITCOMB DR
WIRKA, EDWIN J
& KATHRYN A WIRKA

070931102324
1129 GILBERT RD
MOEN, ARTHUR HANS
& TERRY ELLEN MOEN
SEE W-3

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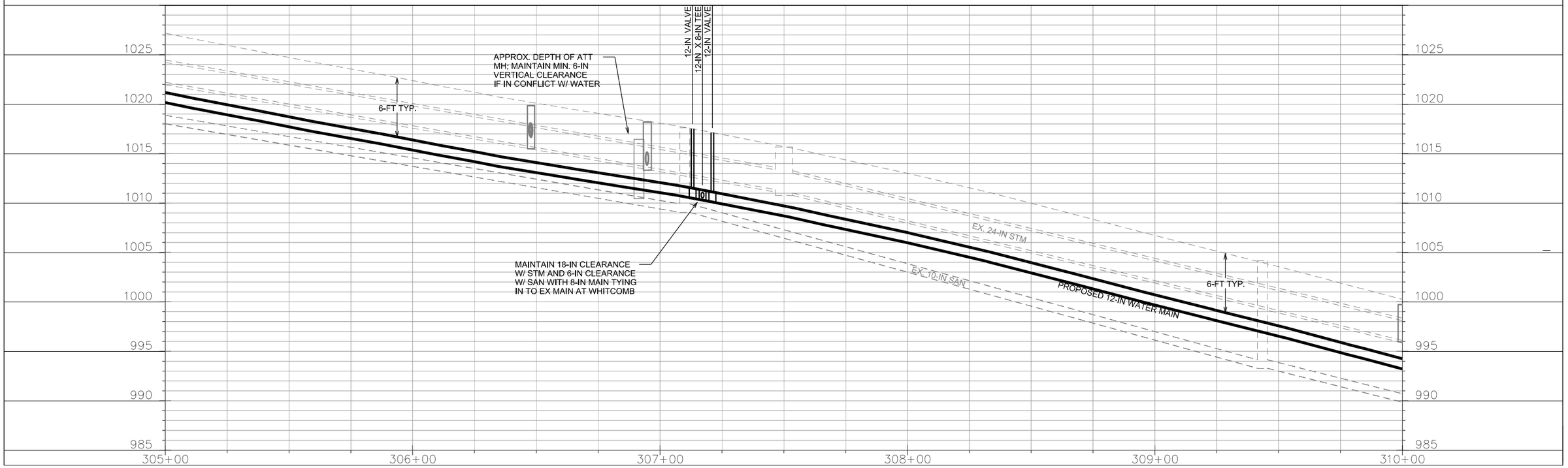

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REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1695\Gilbert\Water\Design\53W1695GilbWU-PnPG2.dgn

DATE: 3/8/2014

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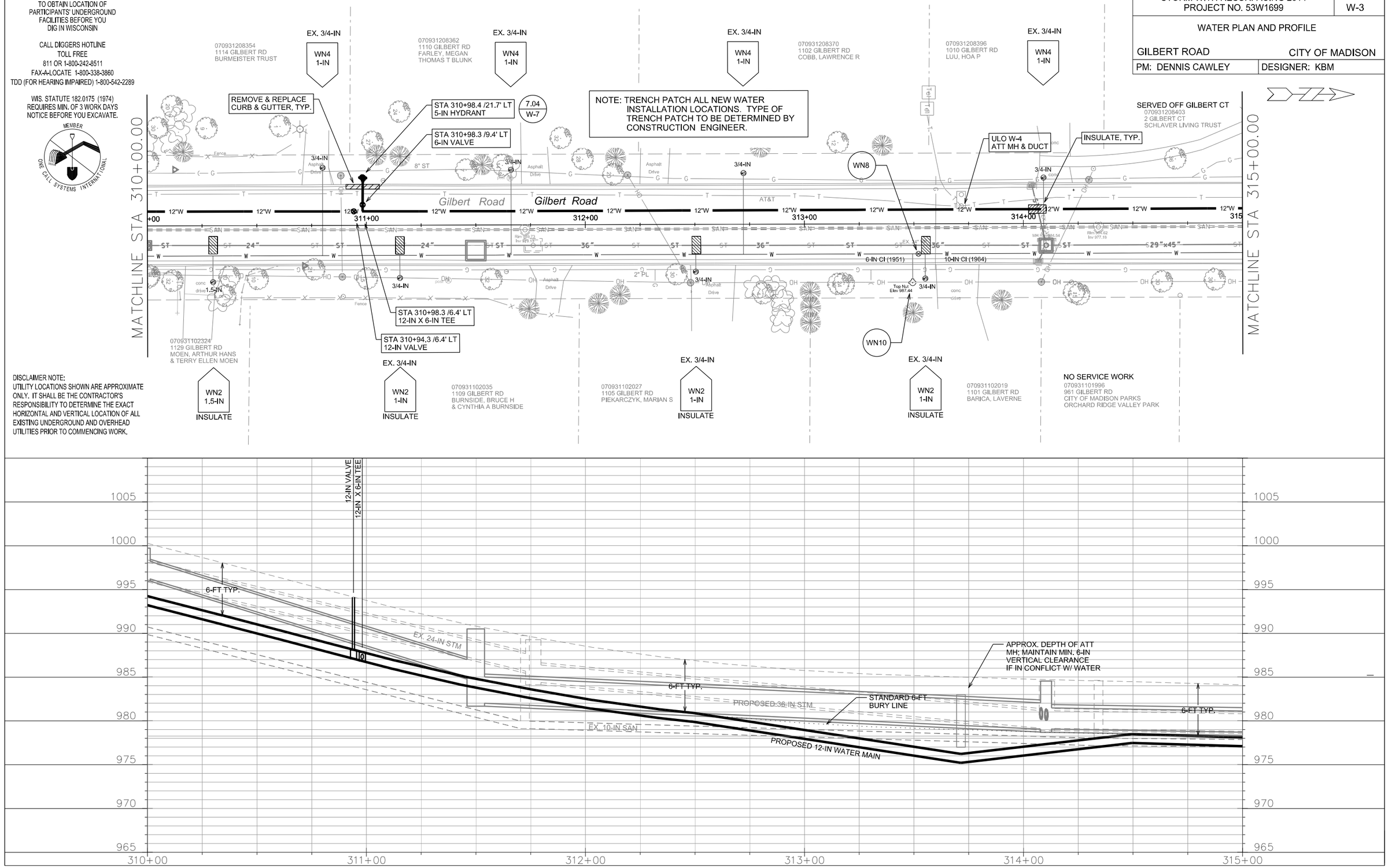
STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. W-3
WATER PLAN AND PROFILE	
GILBERT ROAD	CITY OF MADISON
PM: DENNIS CAWLEY	DESIGNER: KBM



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DATE: 3/8/2014

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

STORM WITH RESURFACING 2014
PROJECT NO. 53W1699

SHEET NO. W-4

WATER PLAN AND PROFILE

GILBERT ROAD — CITY OF MADISON

PM: DENNIS CAWLEY — DESIGNER: KBM

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

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TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
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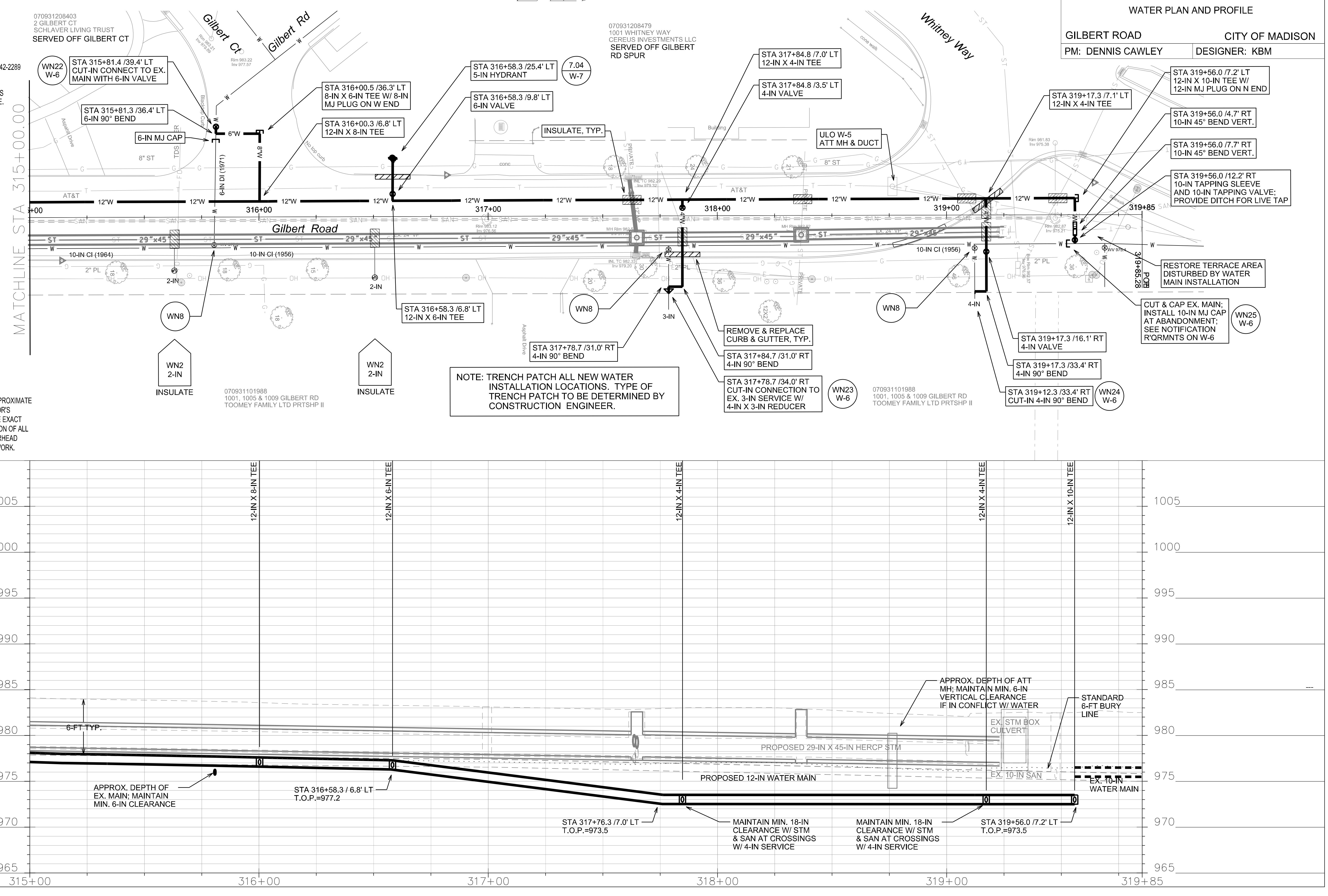

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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DATE: 3/8/2014

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. W-5
WATER IMPACT PLAN	
GILBERT ROAD	CITY OF MADISON
PM: DENNIS CAWLEY	DESIGNER: KBM

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

5508

505

HAMMERSLEY RD

1222

1212

1208

1202

1134

V-10

V-10

V-7

V-8

12"W

NEW 12-IN VALVES

V-1

V-2745

TO V-2
SEE W-6

GILBERT RD

1221

1217

1209

413

409

5426

5413

5410

5409

WHITCOMB DR

CUT-IN CONNECTION
GILBERT AT HAMMERSLEY

WN20
W-1

ISOLATION VALVES:
- V-10 (6" ON HAMMERSLEY)
- V-8 (6" ON HAMMERSLEY)
- V-10 (12" ON GILBERT)
- V-7 (6" ON GILBERT)

NOTIFICATION
- NONE R'QD

WN21
W-2

CUT-IN CONNECTION
GILBERT AT WHITCOMB

NOTE: PERFORM CUT-IN ONLY WHEN THE NEW 12-IN MAIN ON GILBERT RD IS IN SERVICE AND ALL LATERALS HAVE BEEN TRANSFERRED TO THE NEW MAIN.

ISOLATION VALVES:
- V-1 (6" ON GILBERT)
- V-2745 (8" ON WHITCOMB)
- V-2 (6" ON GILBERT, SEE W-6)
- (2) NEW 12-IN VALVES (GILBERT AT WHITCOMB)

NOTIFICATION
- NONE R'QD ASSUMING ALL SERVICES HAVE BEEN TRANSFERRED TO THE NEW 12-IN MAIN

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

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

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

STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. W-6
WATER IMPACT PLAN	
GILBERT ROAD	CITY OF MADISON
PM: DENNIS CAWLEY	DESIGNER: KBM

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

WN22 W-4 CUT-IN CONNECTION
GILBERT RD & GILBERT CT

ISOLATION VALVES:
- V-1927 (6" GILBERT AT GILBERT SPUR)
- V-9 (6" GILBERT RD AT GILBERT CT)
- V-8 (GILBERT RD AT WHITNEY WY)

NOTIFICATION
- 1002 GILBERT RD
- 2, 6, 10 GILBERT CT
- 1001, 1017, 1019 WHITNEY WY

WN25 W-4 CUT & CAP EXISTING MAIN
GILBERT RD AT WHITNEY WY

ISOLATION VALVES:
- NEW 10-IN TAPPING VALVE
- V-3 (6" GILBERT AT WHITNEY)
- V-1 (10" WHITNEY AT SCHROEDER)
- SV-2 (4" SERVICE VALVE ON WHITNEY TO 5501 W BELTLINE HWY)
- V-1927 (6" GILBERT AT GILBERT CT)
- V-2 (6" 1102 GILBERT RD)

NOTIFICATION
- WHITNEY WAY: 901, 902, 905, 909, 913, 916, 917, 921, 925, 1002
- SCHROEDER RD: 5401, 5501
- W BELTLINE HWY: 5301, 5501

SPECIAL NOTIFICATION
- CONTACT COPPER TOP RESTAURANT 5501 SCHROEDER RD AT 608-271-4588 TO COORDINATE WATER SHUT-OFFS AT MOST CONVENIENT TIMES

V-8
V-9
V-2
V-1927
NEW 4-IN
SV-6
SV-5
NEW 4-IN
NEW 10-IN TAPPING VALVE
V-3
TO 10-IN VALVE V-1 & 4-IN SERVICE VALVE SV-2 ON WHITNEY WAY JUST SOUTH OF SCHROEDER RD

WN23 W-4 CUT-IN CONNECTION
1005 GILBERT RD

ISOLATION VALVES:
- SV-6 (3" SERVICE VALVE)
- NEW 4-IN SERVICE VALVE

NOTIFICATION
- 1001, 1005, 1009 GILBERT RD

WN24 W-4 CUT-IN CONNECTION
1009 GILBERT RD

ISOLATION VALVES:
- SV-5 (4" SERVICE VALVE)
- NEW 4-IN SERVICE VALVE

NOTIFICATION
- 1001, 1005, 1009 GILBERT RD

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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STORM WITH RESURFACING 2014 PROJECT NO. 53W1699	SHEET NO. W-7
WATER ESTIMATE OF MATERIALS	
GILBERT RD	CITY OF MADISON
PM: DENNIS CAWLEY	DESIGNER: KBM

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISTRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN IS TESTED AND ACCEPTED BY MADISON WATER UTILITY AND ALL SERVICES ARE RECONNECTED.
5. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.

WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.

WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.

WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.

WN5 RELOCATE THE EXISTING FIRE HYDRANT.

WN6 ABANDON WATER VALVE ACCESS STRUCTURE.

WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.

WN8 ABANDON THE VALVE BOX.

WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.

WN10 REMOVE AND SALVAGE EXISTING HYDRANT

WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

100-FT - 4-IN PIPE
100-FT - 6-IN PIPE
60-FT - 8-IN PIPE
25-FT - 10-IN PIPE
1940-FT - 12-IN PIPE

2470-FT - POLYWRAP

2 - 4-IN VALVE & BOX
5 - 6-IN VALVE & BOX
4 - 12-IN VALVE & BOX

1 - 8-IN X 6-IN TEE
2 - 12-IN X 4-IN TEE
4 - 12-IN X 6-IN TEE
2 - 12-IN X 8-IN TEE
1 - 12-IN X 10-IN TEE

1 - 4-IN X 3-IN REDUCER

1 - 12-IN X 12-IN OFFSET

4 - 4-IN 90° BEND
1 - 6-IN 90° BEND

2 - 10-IN 45° BEND
2 - 12-IN 45° BEND

1 - 8-IN MJ PLUG
1 - 12-IN MJ PLUG

1 - 6-IN MJ CAP
1 - 10-IN MJ CAP
1 - 12-IN MJ CAP

4 - 5-IN HYDRANT

176-FT - 2-IN STYROFOAM INSULATION

1-IN COPPER (AS R'QD)
1.5-IN COPPER (AS R'QD)
2-IN COPPER (AS R'QD)

MATERIALS SUPPLIED BY CITY:

1 - 10-IN X 10-IN TAPPING SLEEVE & VALVE

REUSED MATERIALS

NONE

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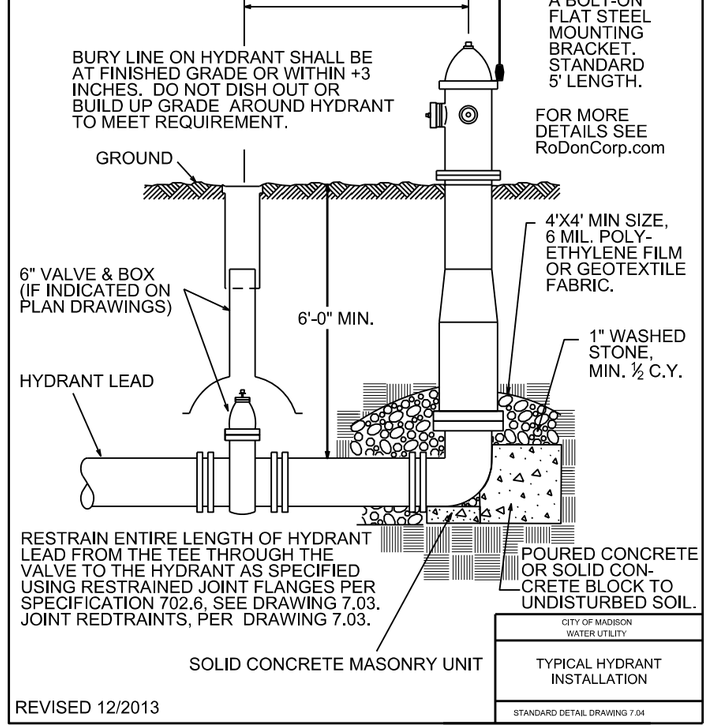
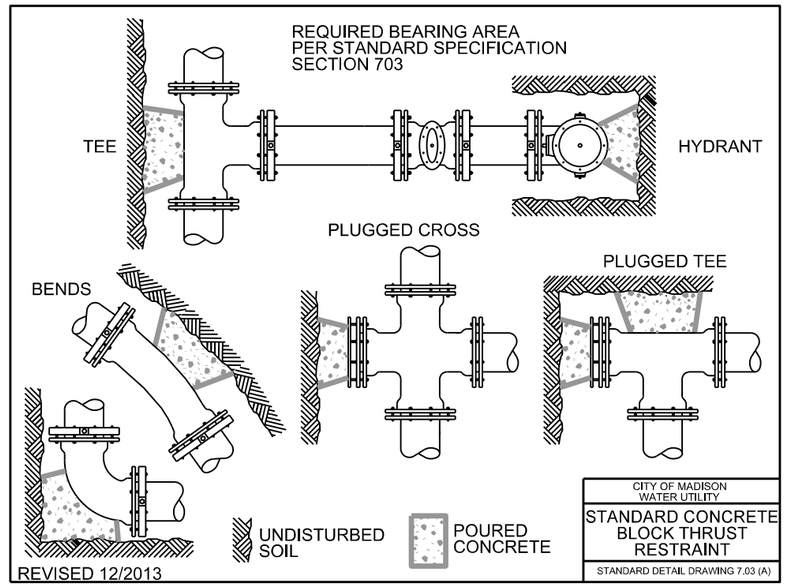


CITY OF MADISON WATER UTILITY

TYPICAL HYDRANT INSTALLATION

STANDARD DETAIL DRAWING 7.04

REVISED 12/2013

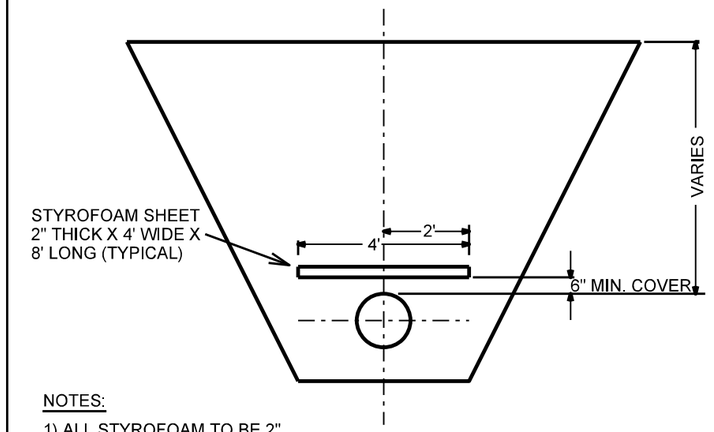


CITY OF MADISON WATER UTILITY

STANDARD CONCRETE BLOCK THRUST RESTRAINT

STANDARD DETAIL DRAWING 7.03 (A)

REVISED 12/2013



NOTES:

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

CITY OF MADISON WATER UTILITY

TYPICAL STYROFOAM INSTALLATION

STANDARD DETAIL DRAWING 7.05

REVISED 1/2009

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