CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

Madison, Wisconsin

UTILITY REPLACEMENT WITH RESURFACING – 2014
(JOHNS ST, HUXLEY ST, & LARKIN ST)

CITY PROJECT NO. 53W1672

CONTRACT NO. 7244

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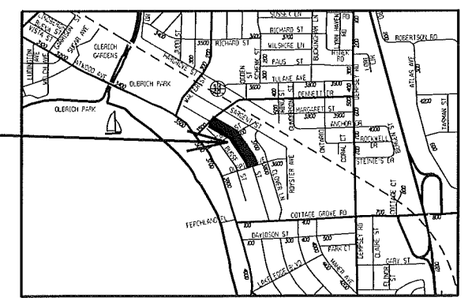
N
W E
S

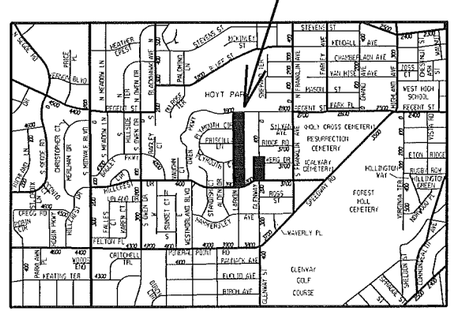
CONVENTIONAL SIGNS

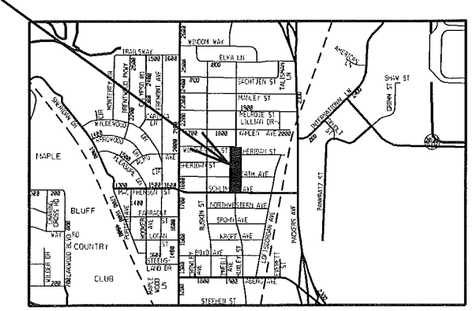
FIELD VERIFY ALL UTILITY LOCATIONS

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 LOCATION







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%.

EARTH WORK SUMMARY:

TOTAL EXCAVATION CUT (MEASURED PLAN QUANTITY)..... 4850C.Y.
(LARKIN STREET ..... 1425C.Y)
(HUXLEY STREET ..... 1785C.Y.)
(JOHNS STREET ..... 1640C.Y.)
ESTIMATED UNDISTRIBUTED UNDERCUT..... 810C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT..... 5660C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

February 4, 2014

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer — Date 2/21/14

STREET DESIGNED BY:

WISCONSIN STEVEN M. SONNTAG E-38891 MADISON WI 02-20-2014 PROFESSIONAL ENGINEER

SEWERS DESIGNED BY:

WISCONSIN ERIC L. DUNDEE E-40126 SUN PRAIRIE WI 02-20-2014 PROFESSIONAL ENGINEER

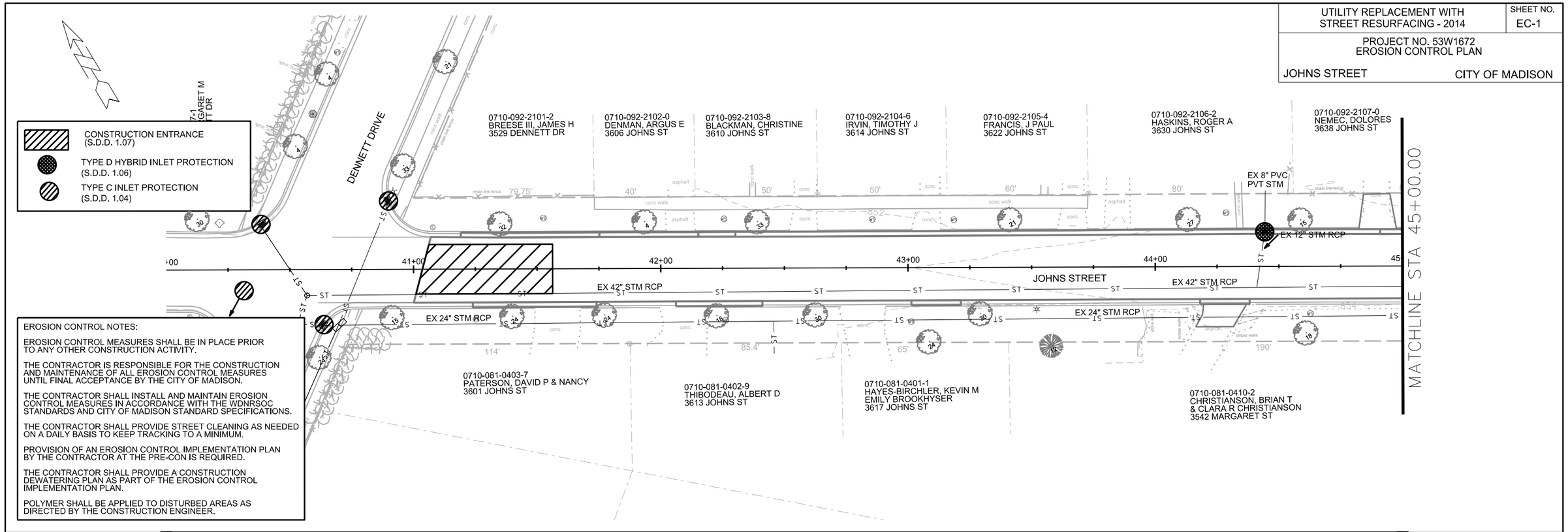
WATER DESIGNED BY:

WISCONSIN ADAM R. WIEDERHOEFT E-41559 MADISON WI PROFESSIONAL ENGINEER 2/21/2014

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

FILE NAME: M:\DESIGN\Projects\53W1672\Larkin\Streets\Design\53W1672EN-TitleSht.dgn DATE: 2/20/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. EC-1
PROJECT NO. 53W1672 EROSION CONTROL PLAN	
JOHNS STREET	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.

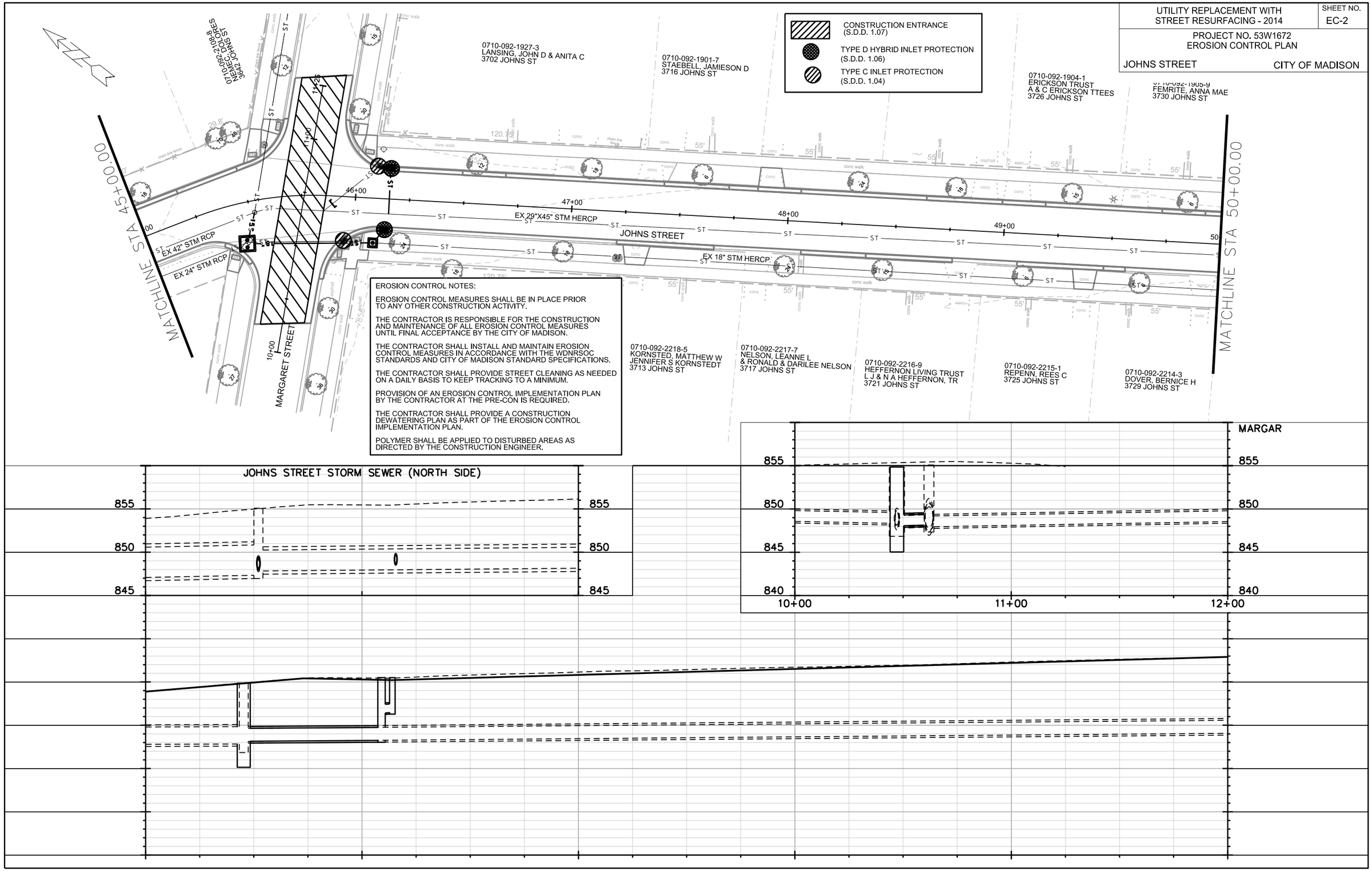
THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION DEWATERING PLAN AS PART OF THE EROSION CONTROL IMPLEMENTATION PLAN.

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

FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Sanitary\Design\53W1672EC-PnP##1.dgn DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. EC-2
PROJECT NO. 53W1672 EROSION CONTROL PLAN	
JOHNS STREET	CITY OF MADISON



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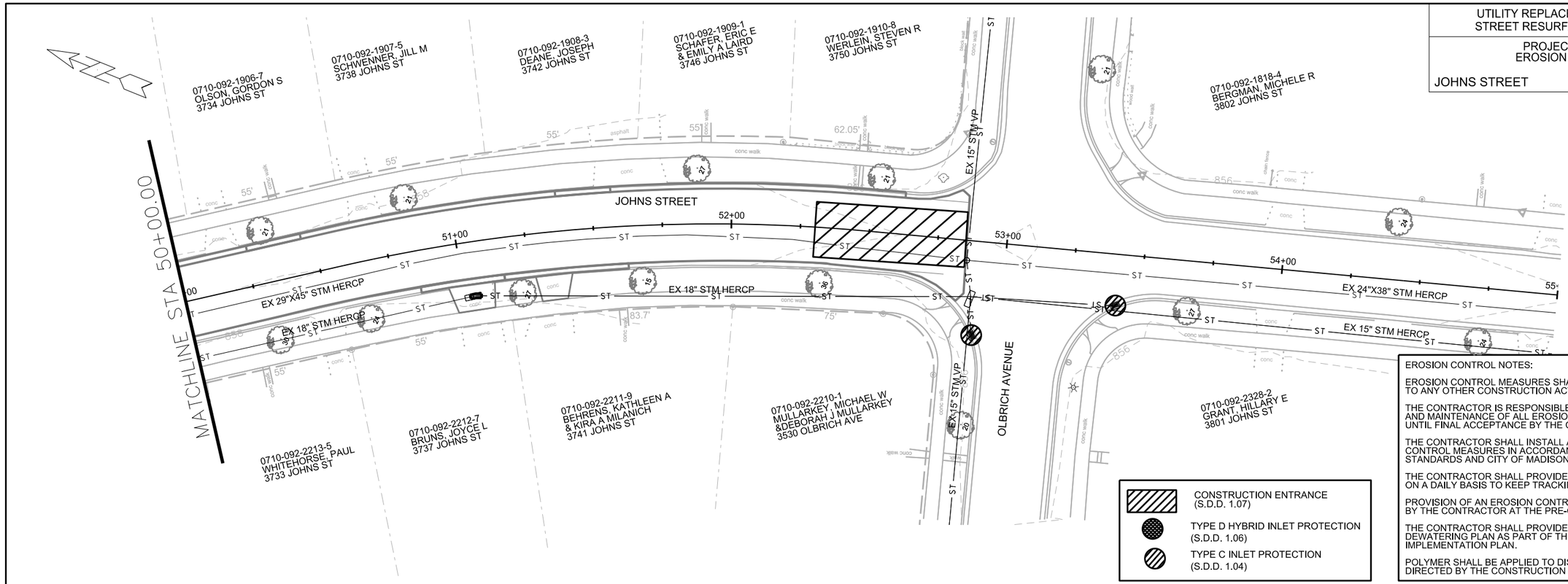
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. EC-3
PROJECT NO. 53W1672 EROSION CONTROL PLAN	
JOHNS STREET	CITY OF MADISON



CONSTRUCTION ENTRANCE (S.D.D. 1.07)

TYPE D HYBRID INLET PROTECTION (S.D.D. 1.06)

TYPE C INLET PROTECTION (S.D.D. 1.04)

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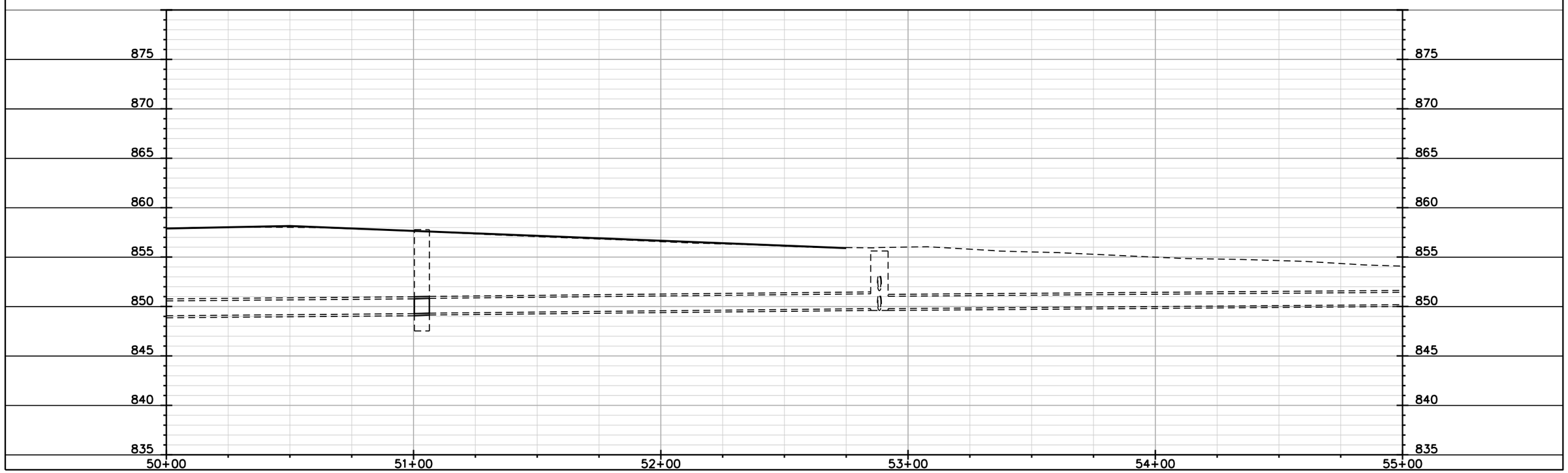

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DATE: 2/21/2014

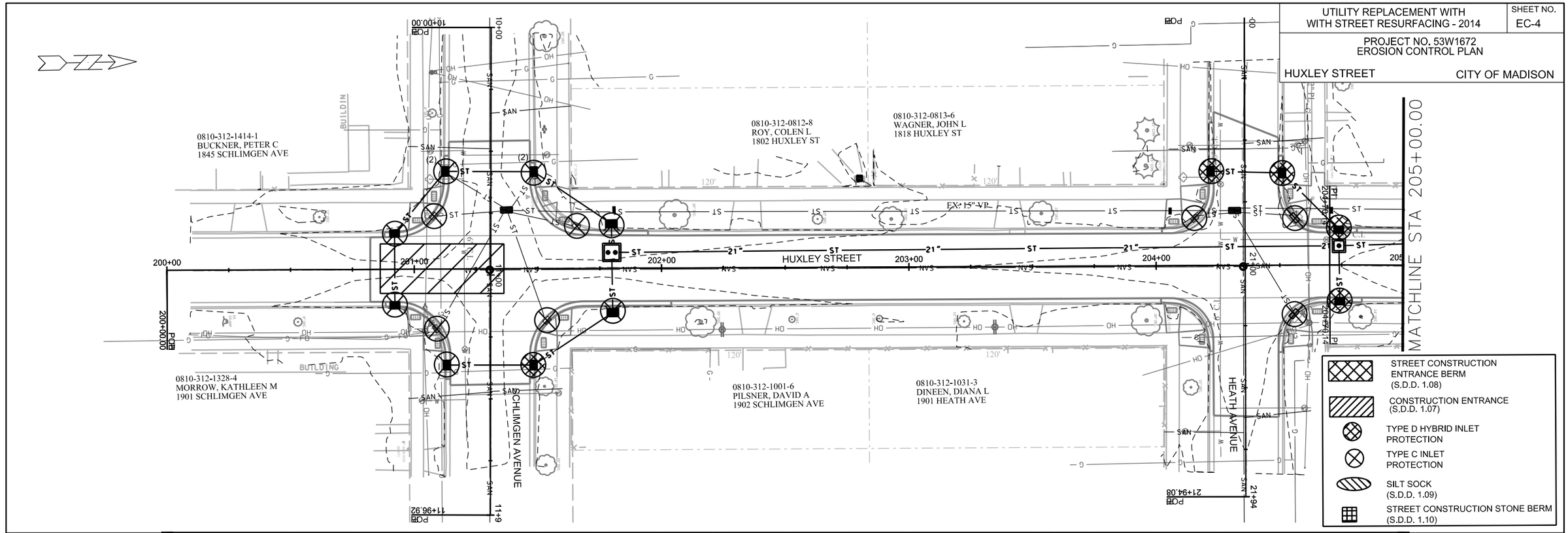
UTILITY REPLACEMENT WITH
WITH STREET RESURFACING - 2014

SHEET NO.
EC-4

PROJECT NO. 53W1672
EROSION CONTROL PLAN

HUXLEY STREET

CITY OF MADISON



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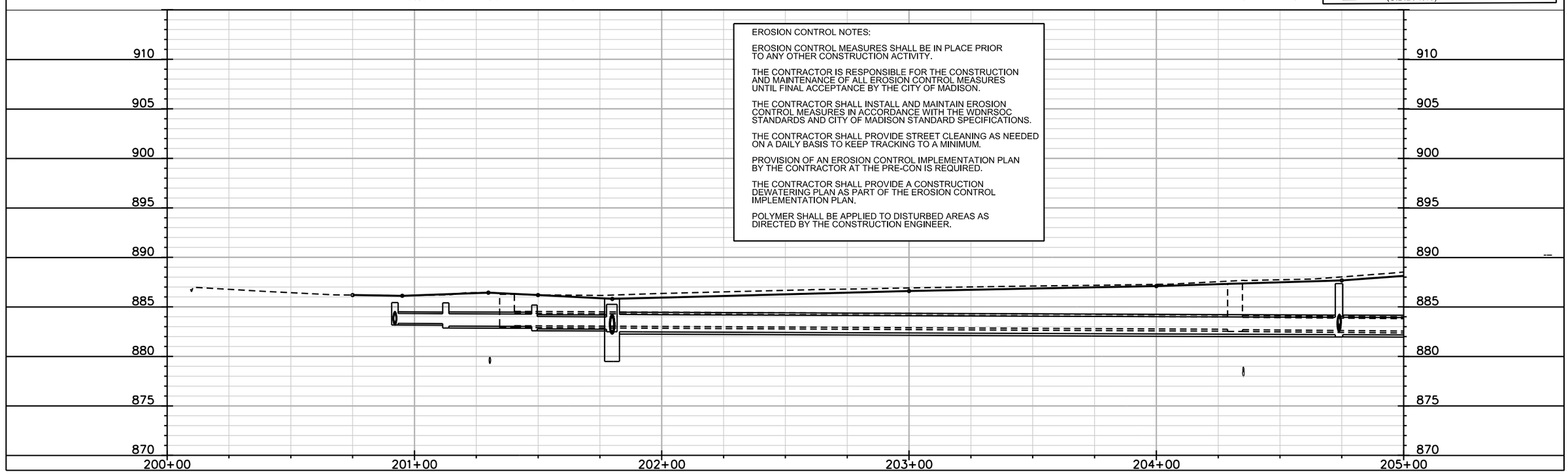

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PLOT NAME: ____
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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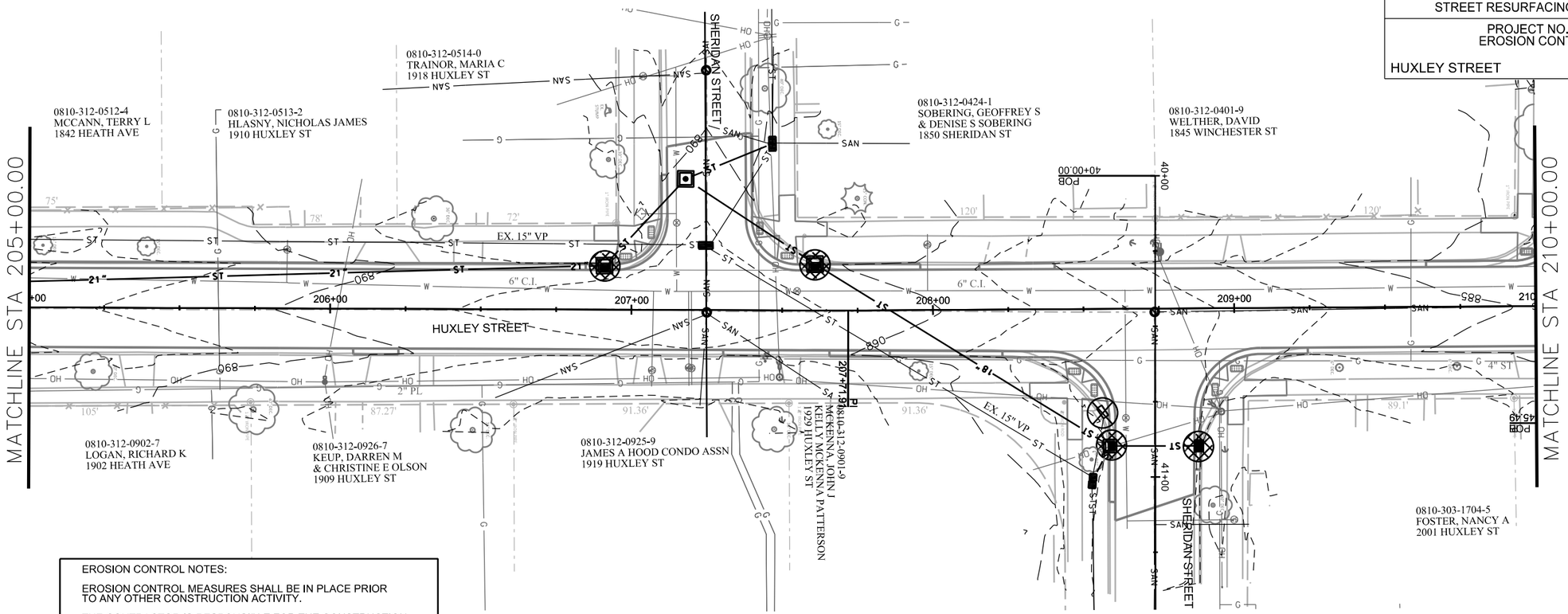
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. EC-5
PROJECT NO. 53W1672 EROSION CONTROL PLAN	
HUXLEY STREET	CITY OF MADISON



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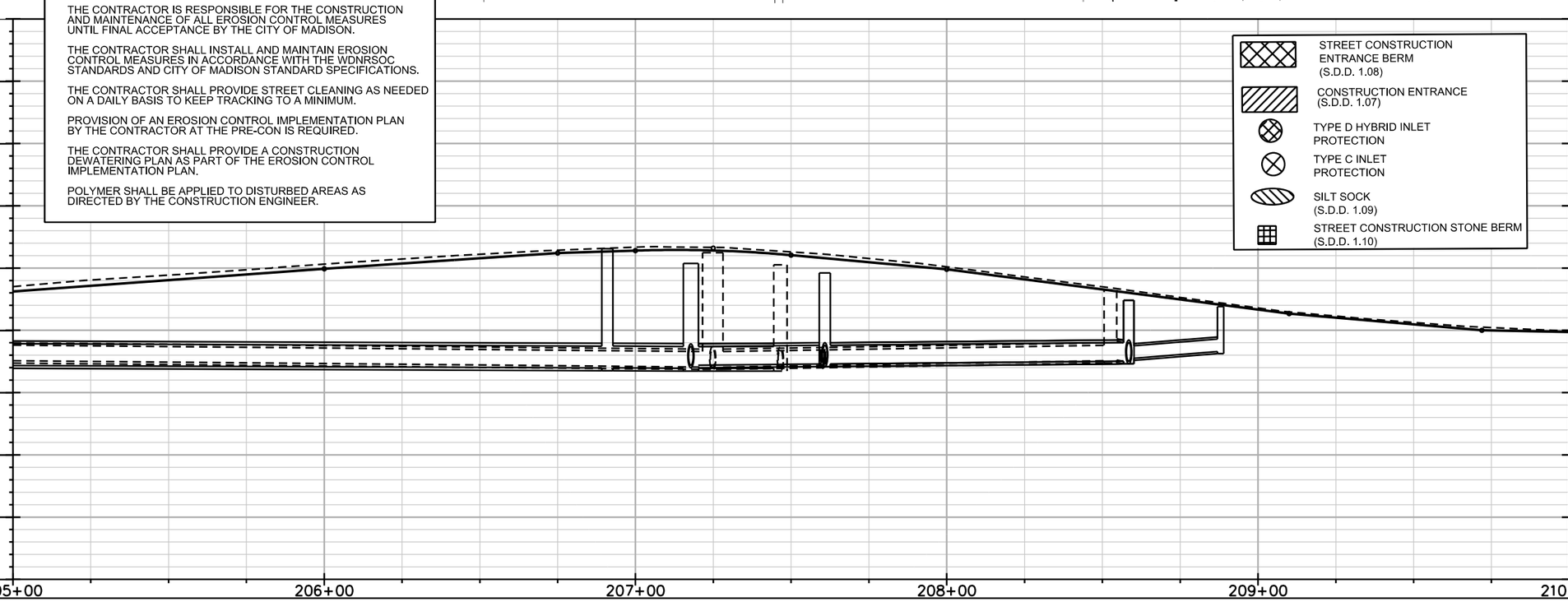

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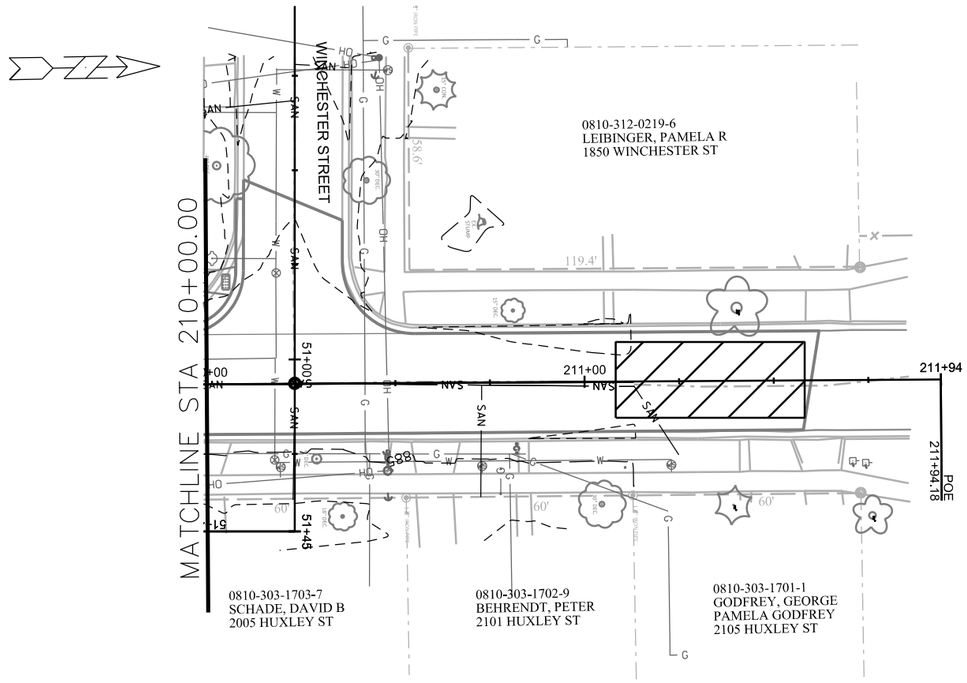
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. EC-6
PROJECT NO. 53W1672 EROSION CONTROL PLAN	
HUXLEY STREET	CITY OF MADISON



- STREET CONSTRUCTION ENTRANCE BERM (S.D.D. 1.08)
- CONSTRUCTION ENTRANCE (S.D.D. 1.07)
- TYPE D HYBRID INLET PROTECTION
- TYPE C INLET PROTECTION
- SILT SOCK (S.D.D. 1.09)
- STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)

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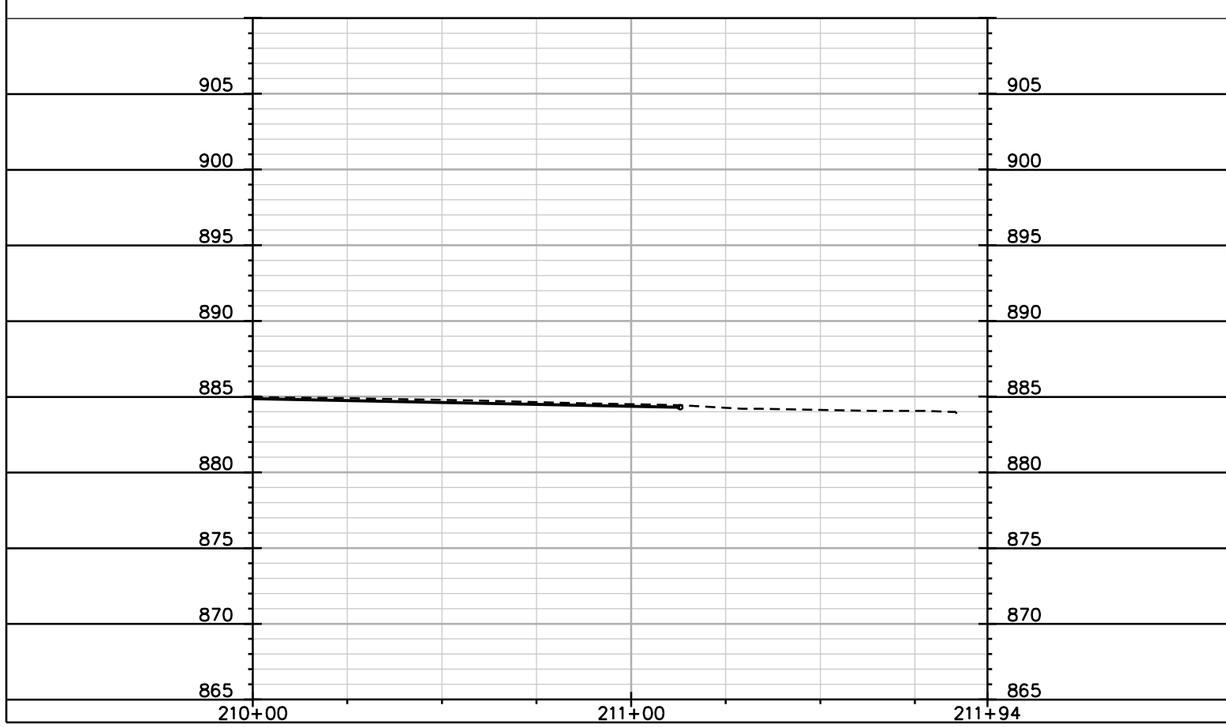

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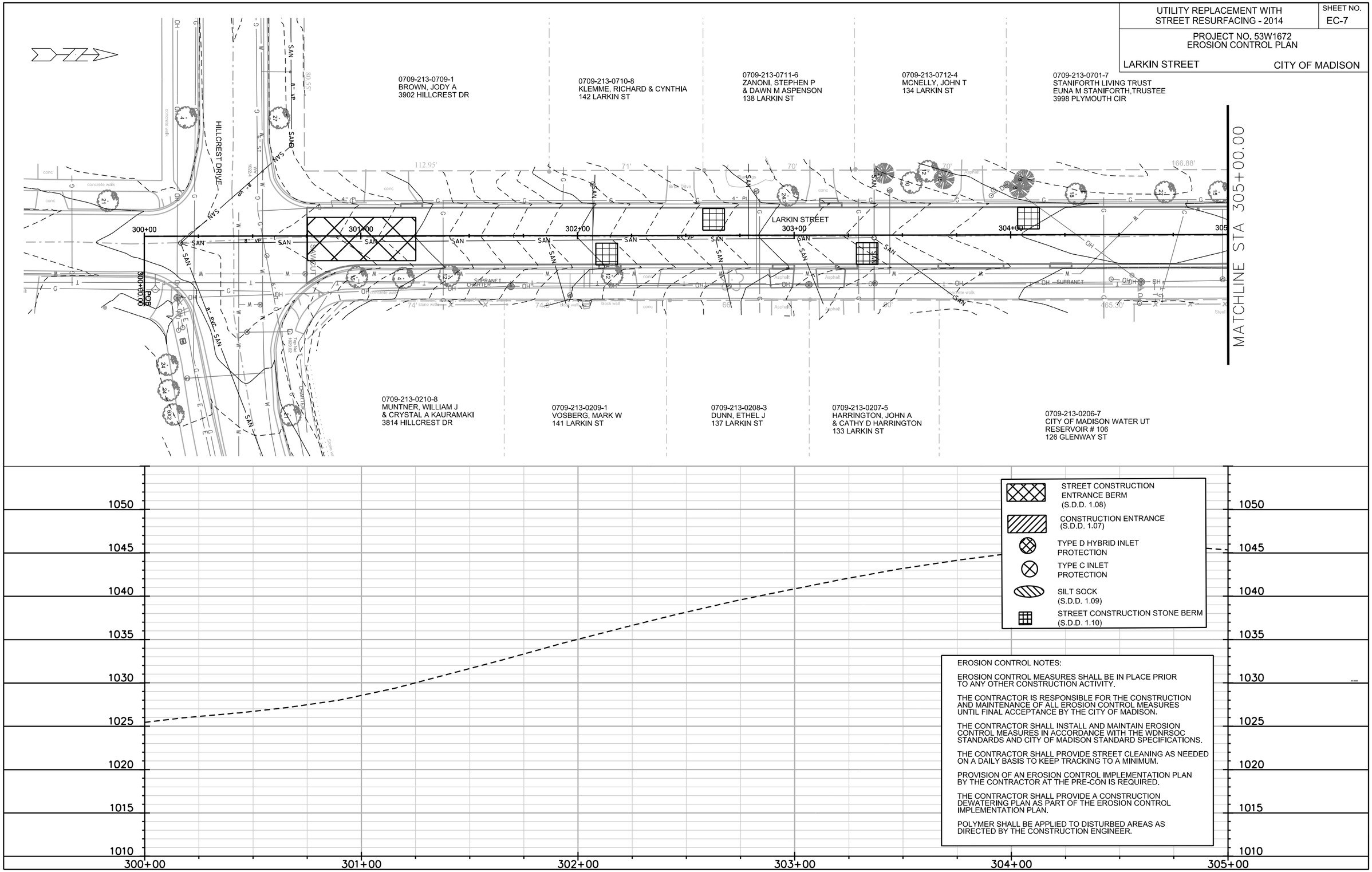
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. EC-7
PROJECT NO. 53W1672 EROSION CONTROL PLAN	
LARKIN STREET	CITY OF MADISON



STREET CONSTRUCTION ENTRANCE BERM (S.D.D. 1.08)

CONSTRUCTION ENTRANCE (S.D.D. 1.07)

TYPE D HYBRID INLET PROTECTION

TYPE C INLET PROTECTION

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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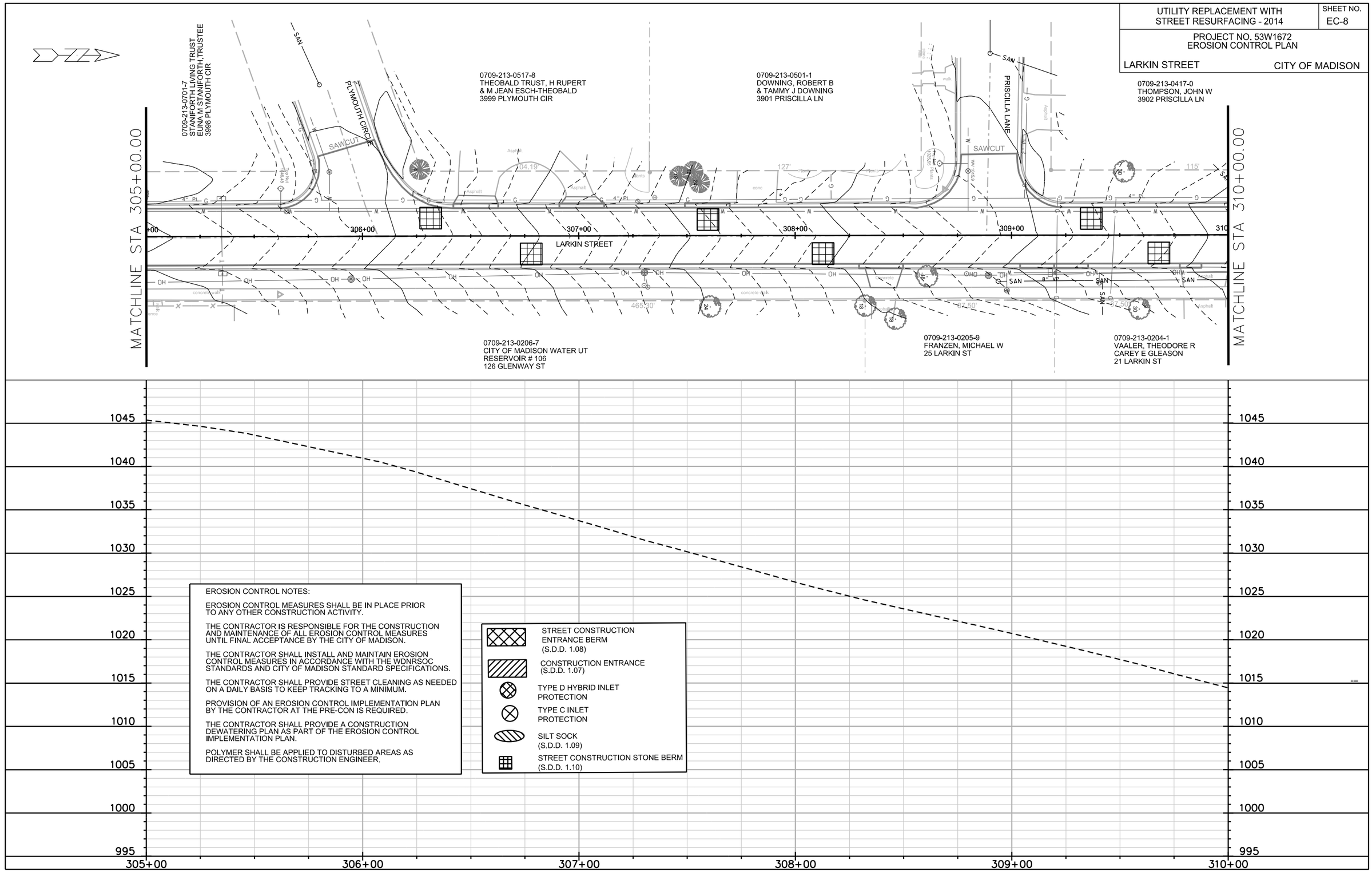
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. EC-8
PROJECT NO. 53W1672 EROSION CONTROL PLAN	
LARKIN STREET	CITY OF MADISON



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- CONSTRUCTION ENTRANCE (S.D.D. 1.07)
- TYPE D HYBRID INLET PROTECTION
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- STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)

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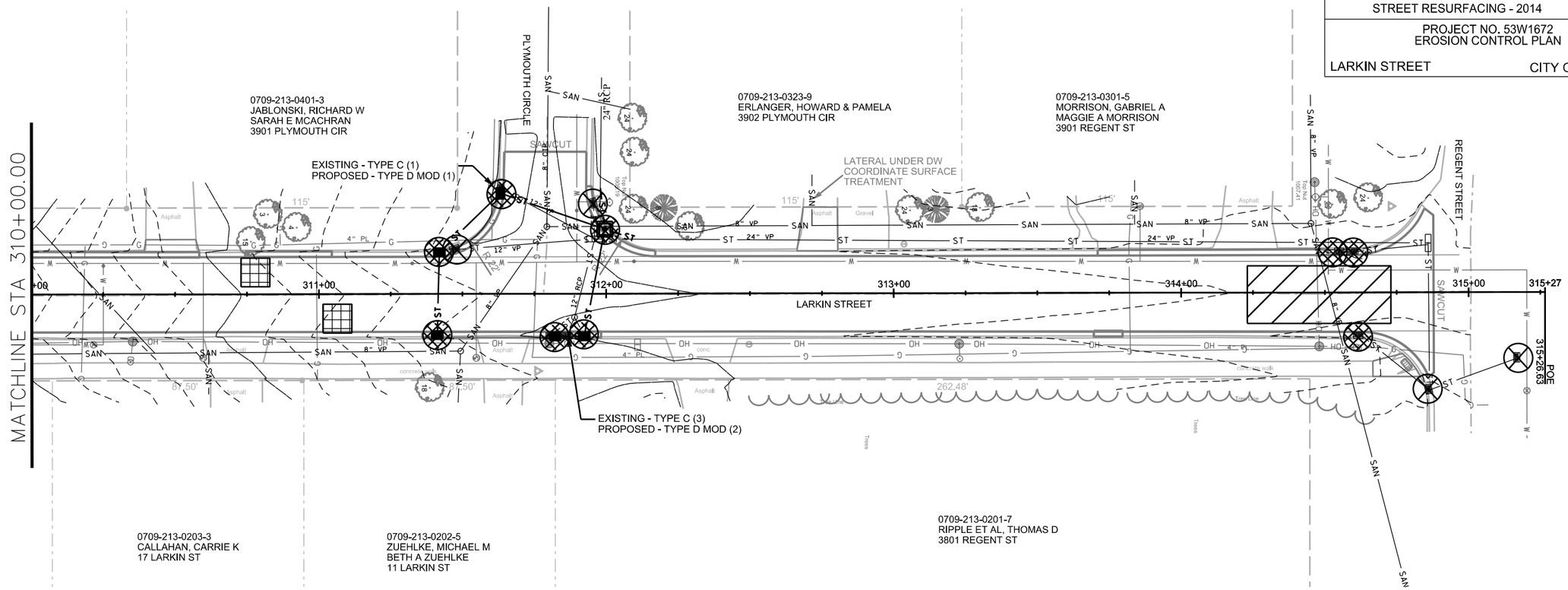
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1672\LarkIn\Storm\Design\53W1672STM-ECLARKIN2.dgn

DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. EC-9
PROJECT NO. 53W1672 EROSION CONTROL PLAN	
LARKIN STREET	CITY OF MADISON



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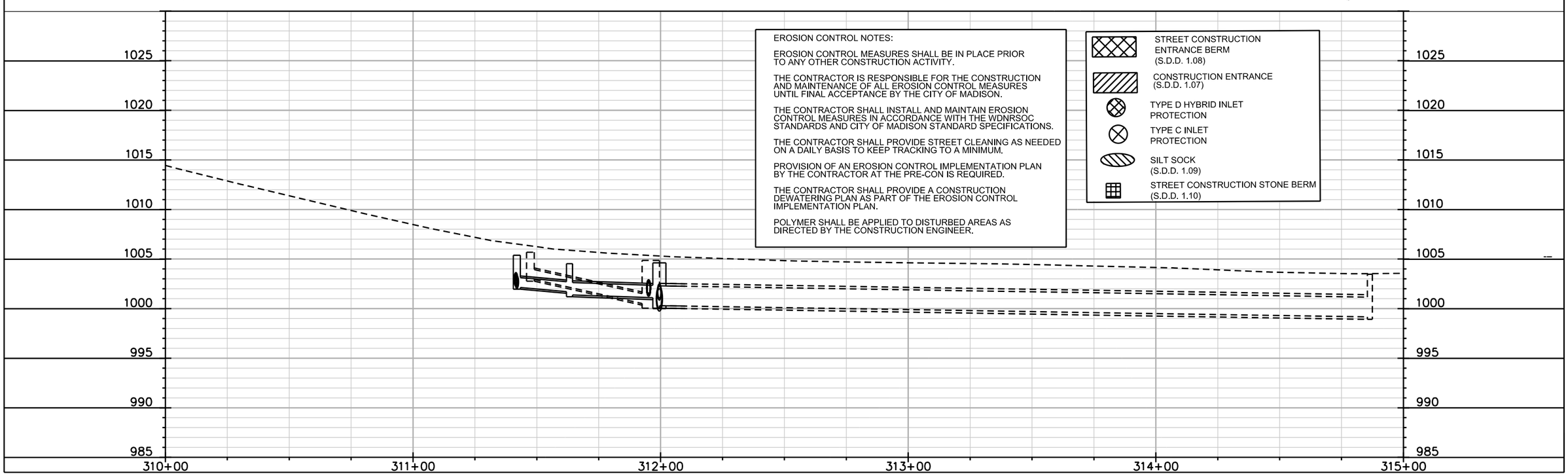

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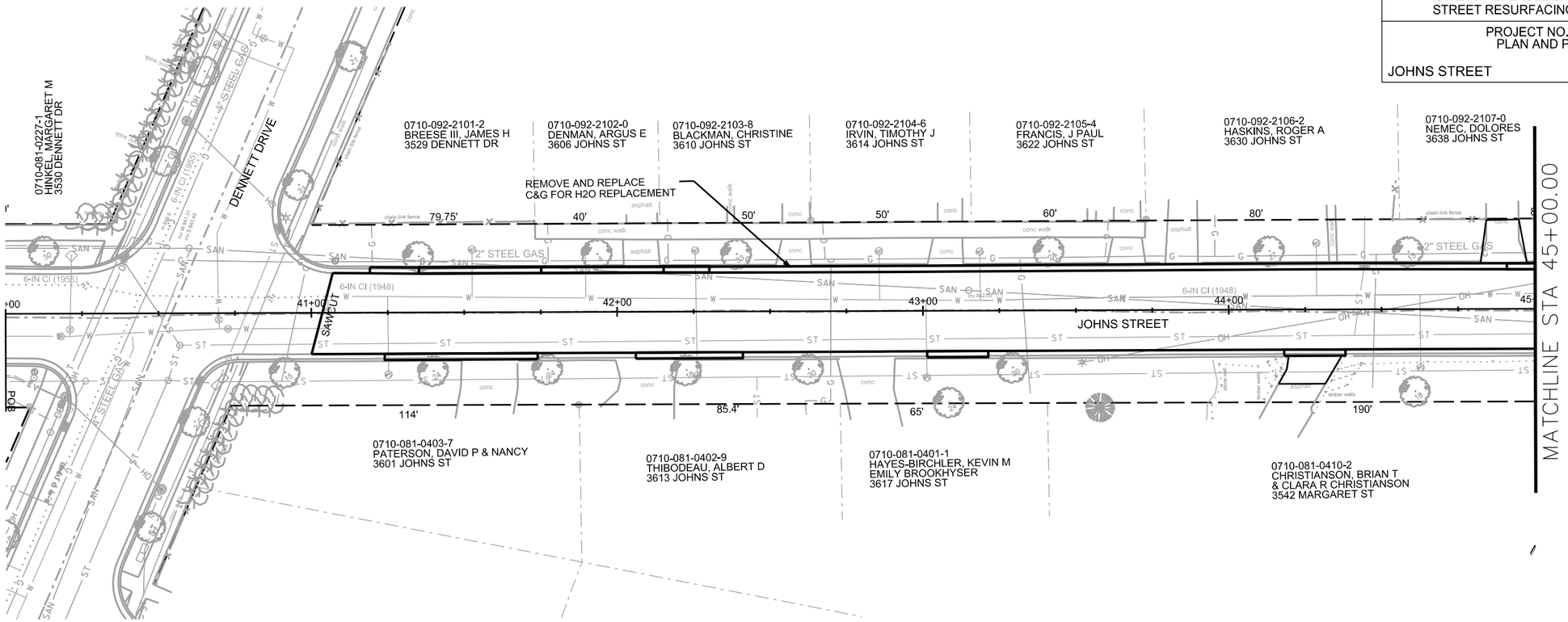
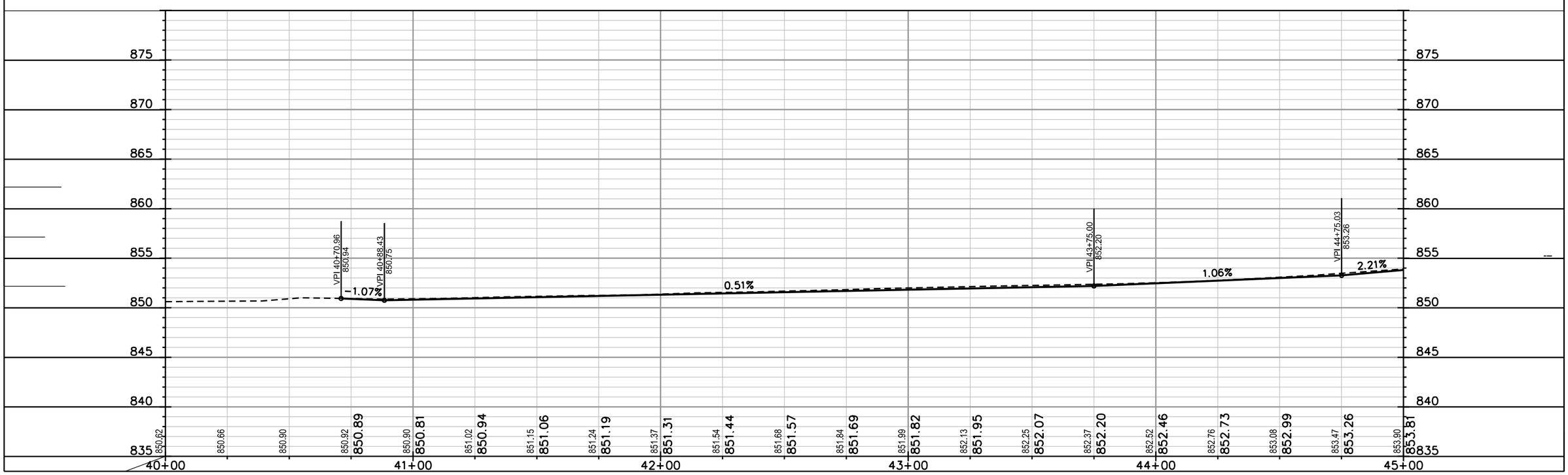
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. P-1
PROJECT NO. 53W1672 PLAN AND PROFILE	
JOHNS STREET	CITY OF MADISON





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PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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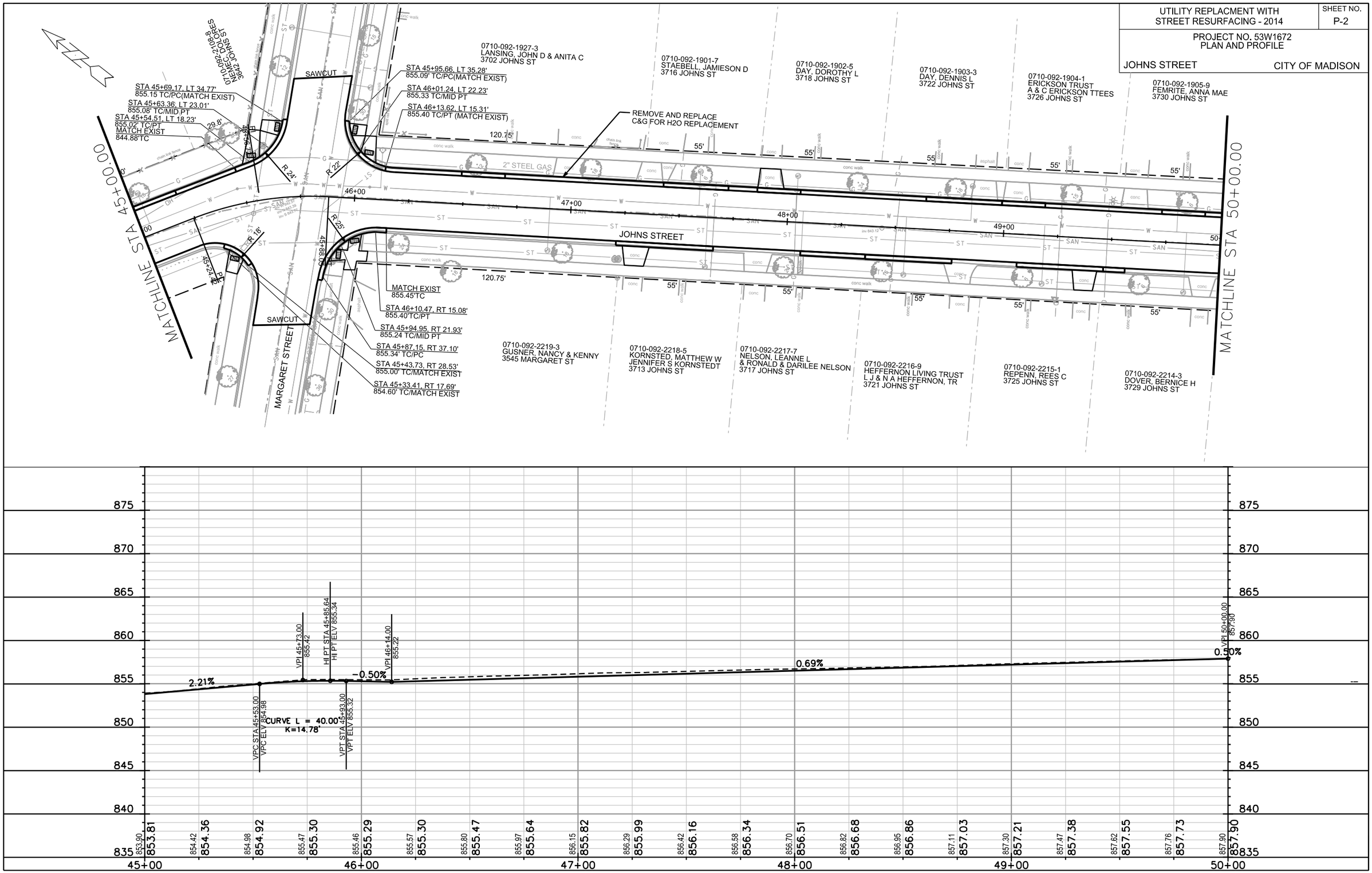
DATE: 2/21/2014

UTILITY REPLACMENT WITH STREET RESURFACING - 2014	SHEET NO. P-2
PROJECT NO. 53W1672 PLAN AND PROFILE	
JOHNS STREET	CITY OF MADISON



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PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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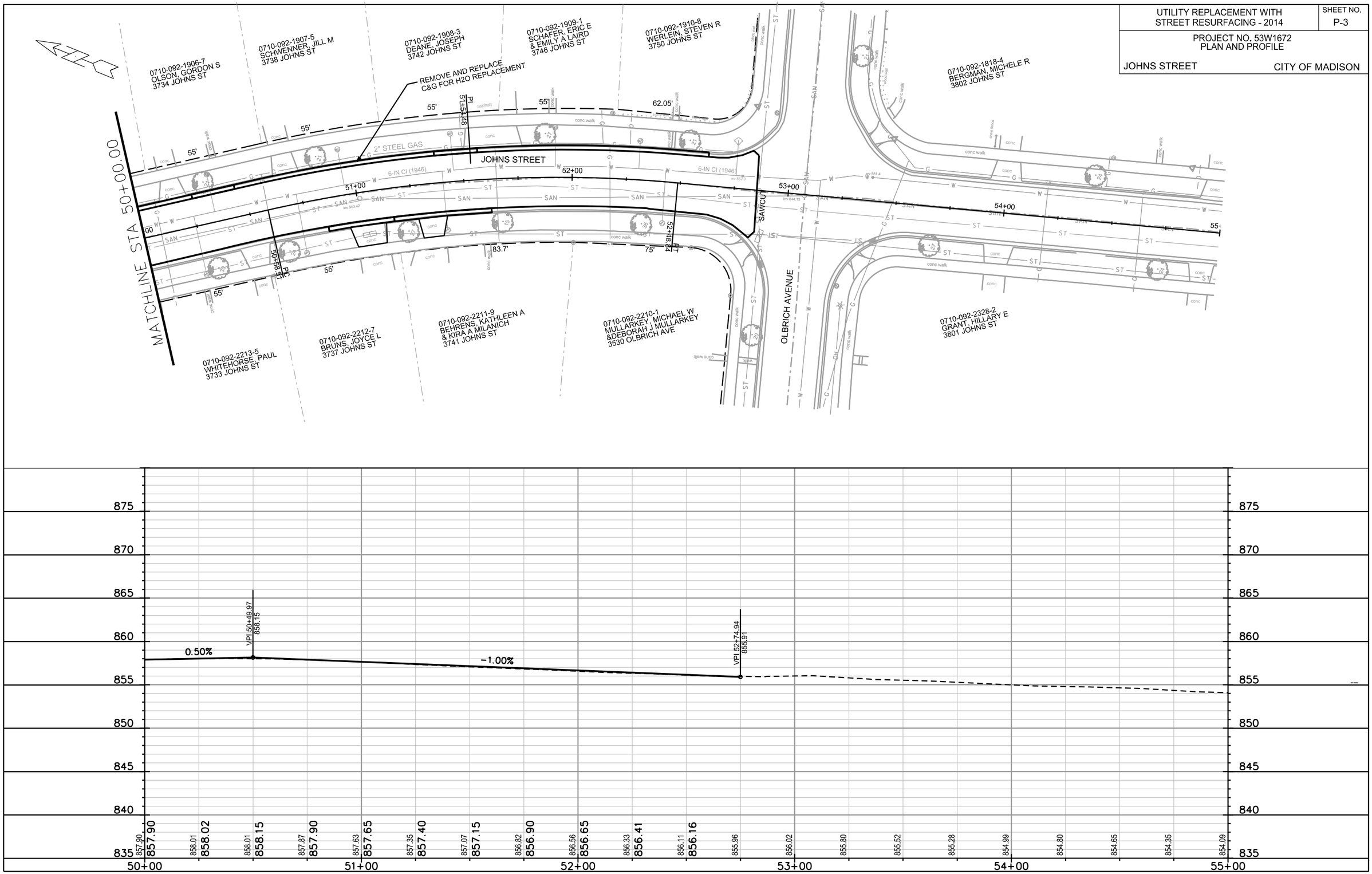
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. P-3
PROJECT NO. 53W1672 PLAN AND PROFILE	
JOHNS STREET	CITY OF MADISON



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PLOT NAME: ____

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DATE: 2/21/2014

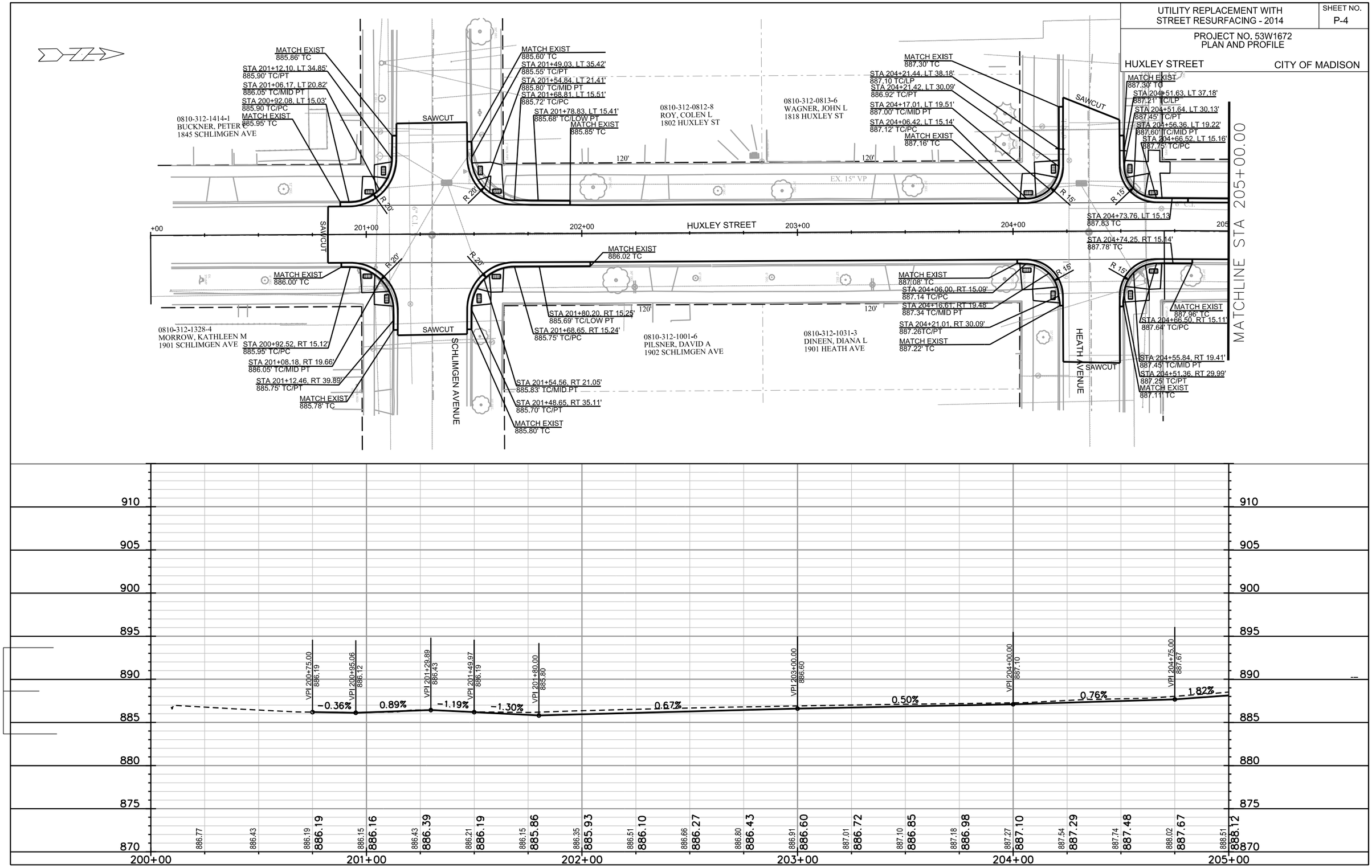
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014

SHEET NO. P-4

PROJECT NO. 53W1672
PLAN AND PROFILE

HUXLEY STREET

CITY OF MADISON



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REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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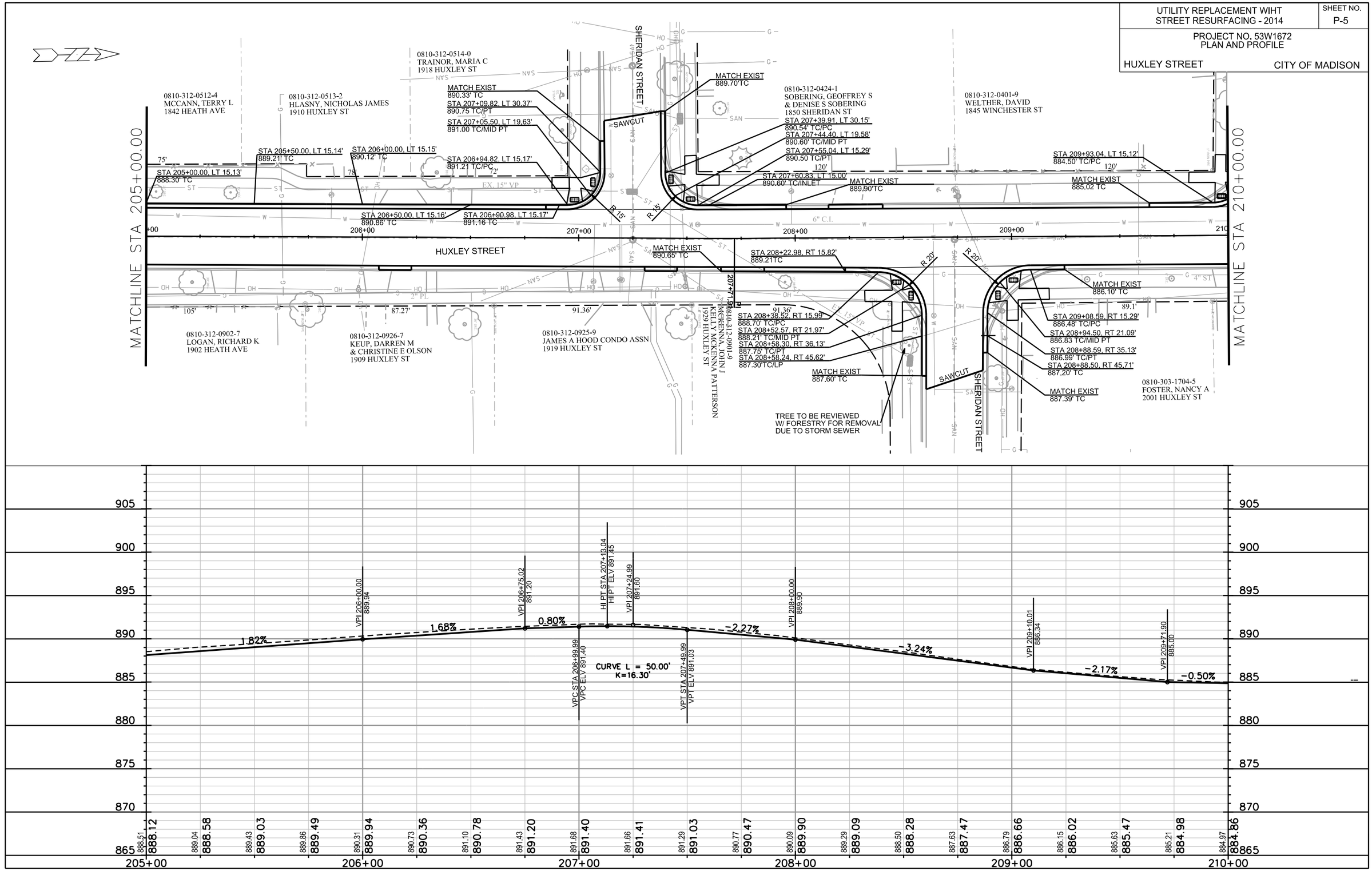
DATE: 2/21/2014

UTILITY REPLACEMENT WIHT STREET RESURFACING - 2014	SHEET NO. P-5
PROJECT NO. 53W1672 PLAN AND PROFILE	
HUXLEY STREET	CITY OF MADISON



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REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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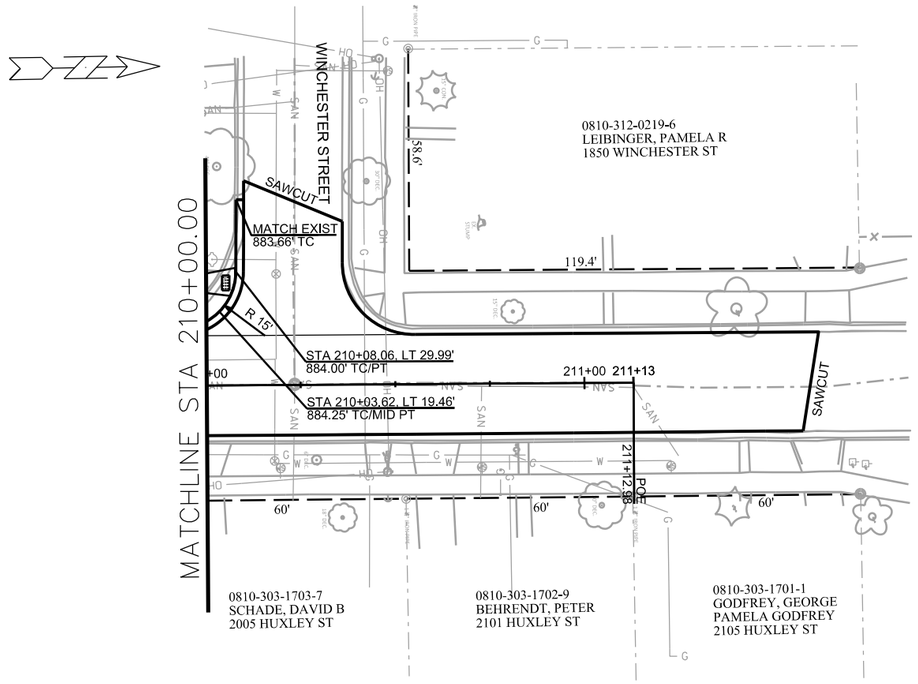
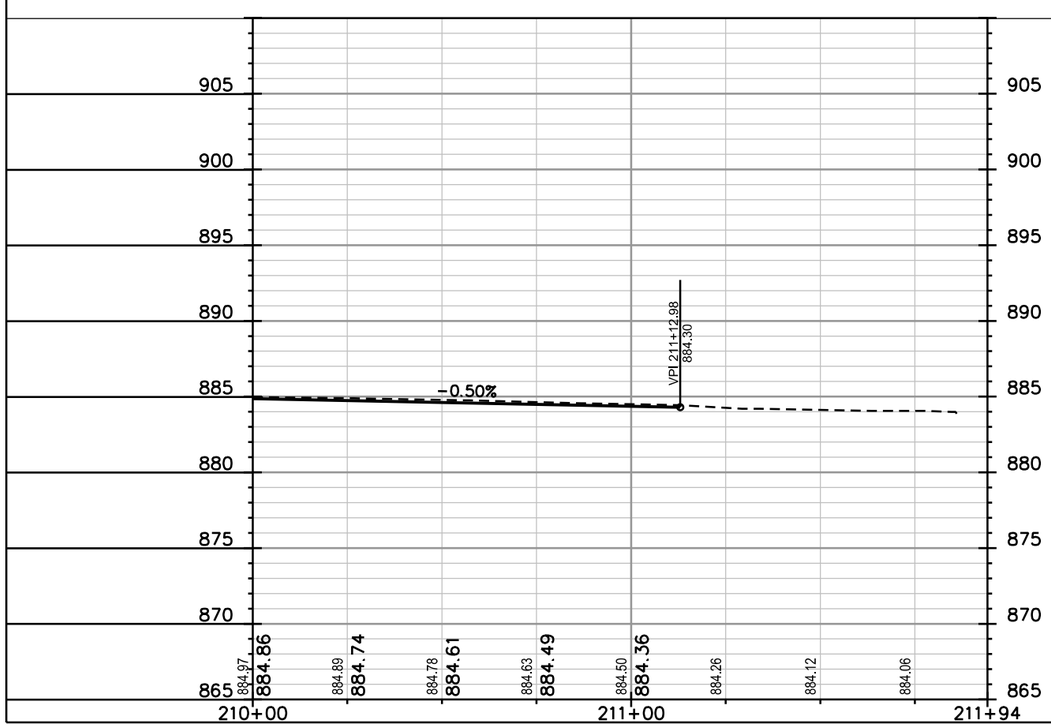
DATE: 2/21/2014

UTILITY REPLACMENT WITH STREET RESURFACING - 2014	SHEET NO. P-6
PROJECT NO. 53W1672 PLAN AND PROFILE	
HUXLEY STREET	CITY OF MADISON





PLOT SCALE: ____

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REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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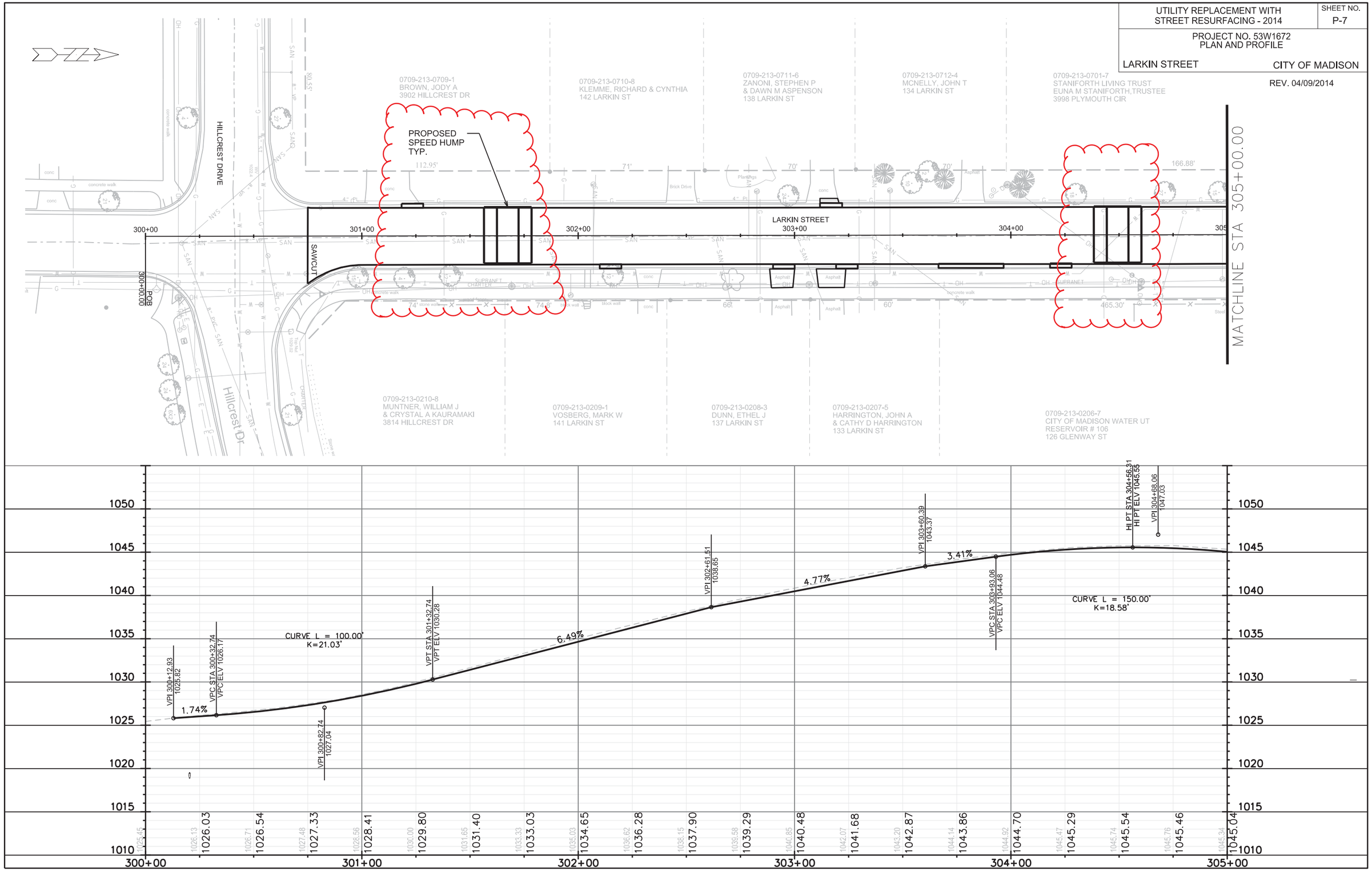
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. P-7
PROJECT NO. 53W1672 PLAN AND PROFILE	
LARKIN STREET	CITY OF MADISON

REV. 04/09/2014



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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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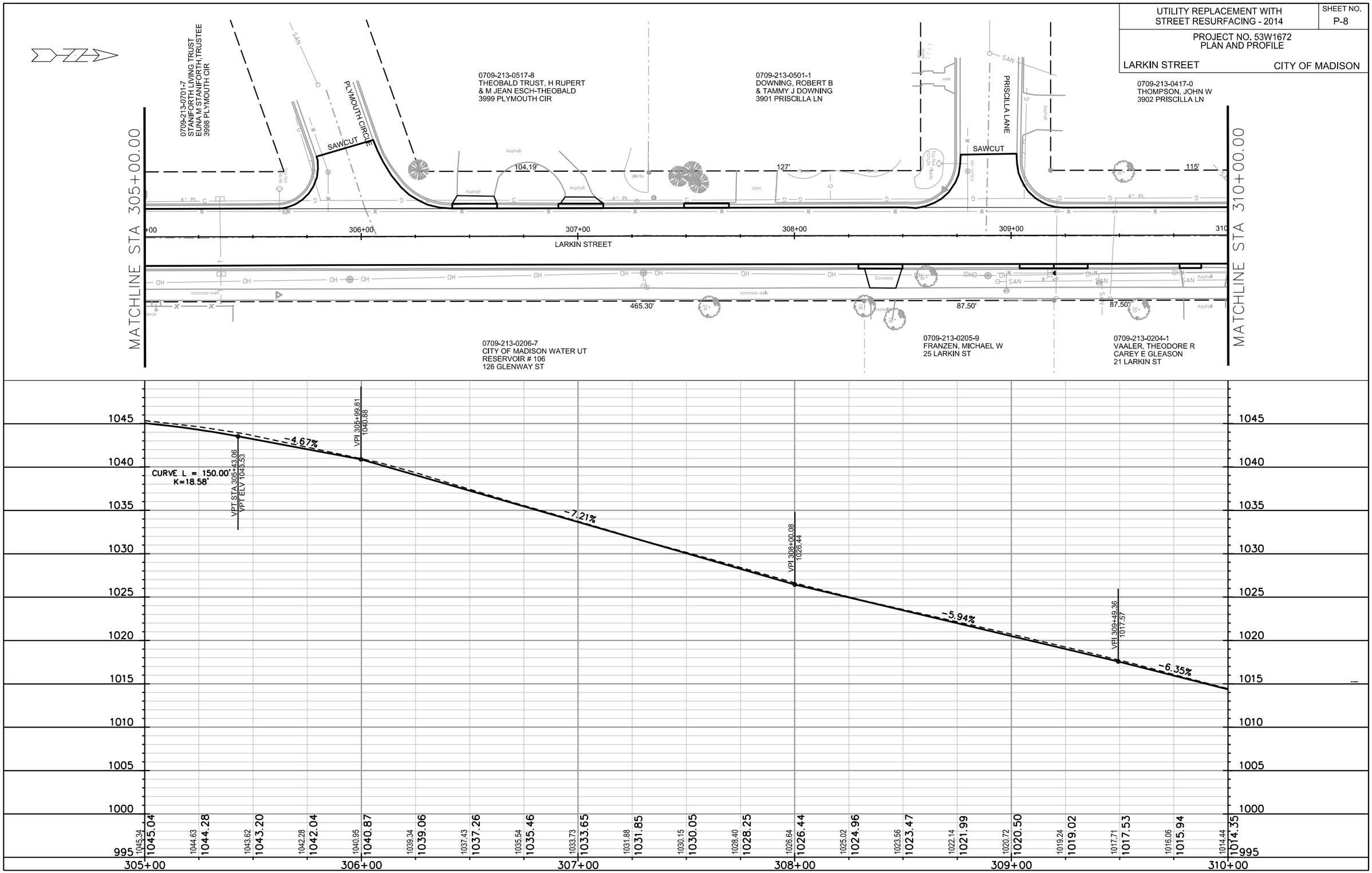
DATE: 4/9/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. P-8
PROJECT NO. 53W1672 PLAN AND PROFILE	
LARKIN STREET	CITY OF MADISON



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DATE: 2/21/2014

PLOT SCALE: ____

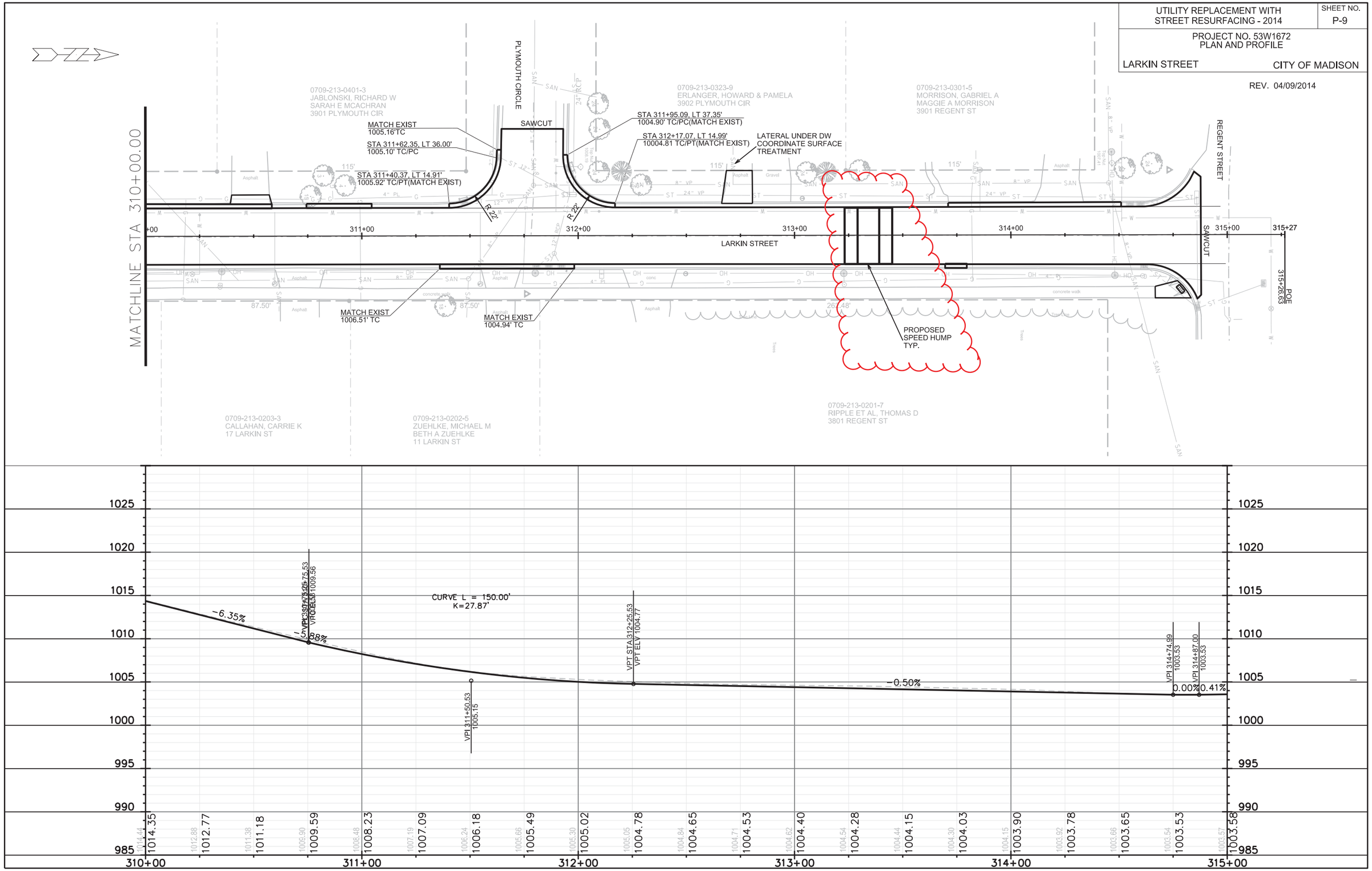
PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. P-9
PROJECT NO. 53W1672 PLAN AND PROFILE	
LARKIN STREET	CITY OF MADISON

REV. 04/09/2014



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PLOT SCALE: ____

PLOT NAME: ____

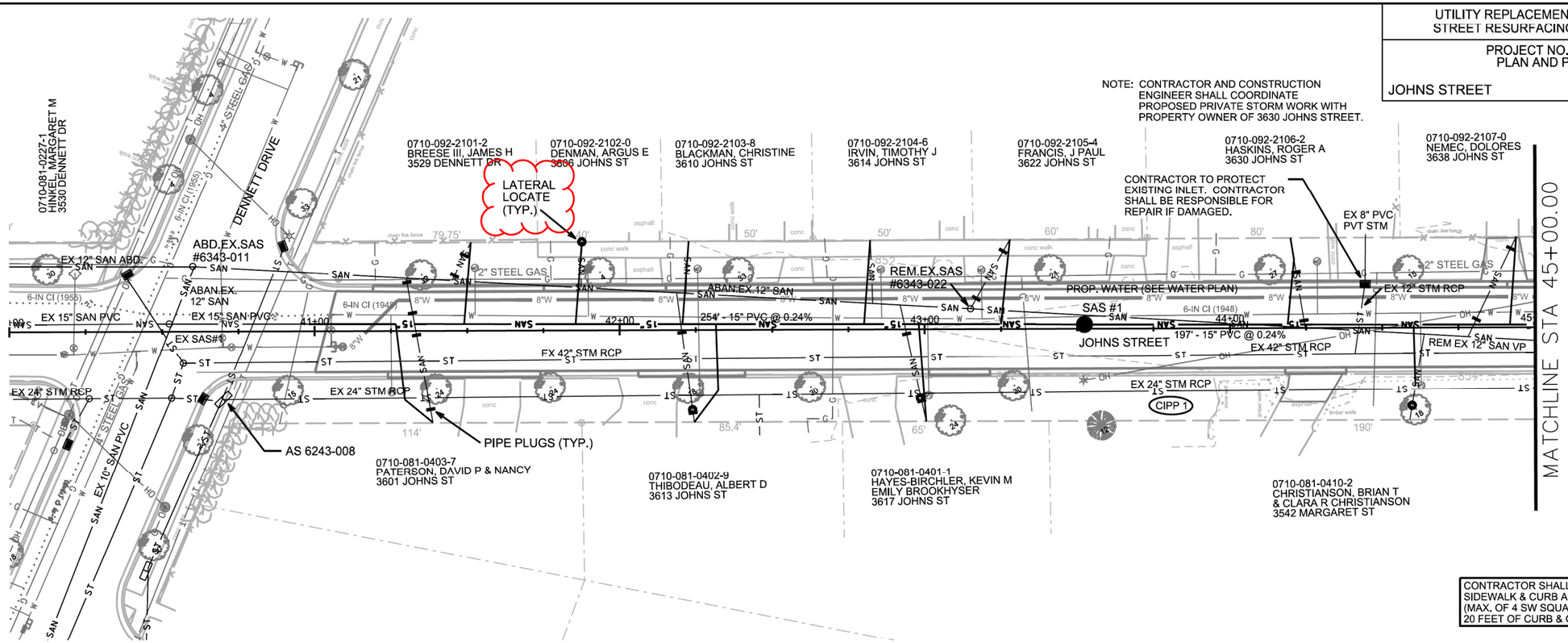
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

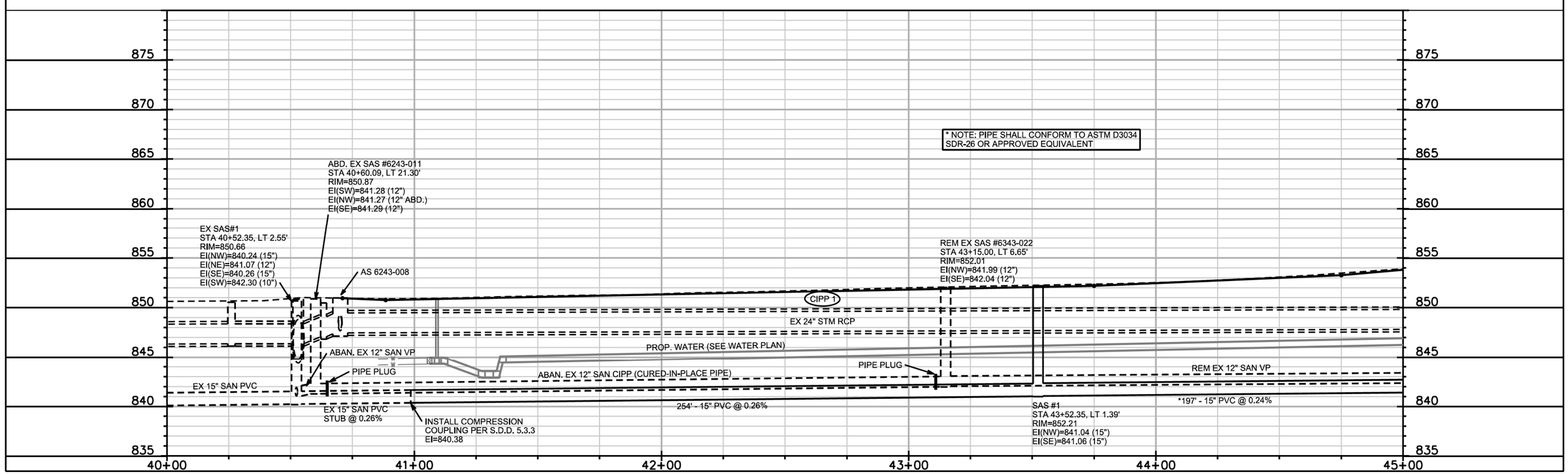
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-1
PROJECT NO. 53W1672 PLAN AND PROFILE	
JOHNS STREET	CITY OF MADISON

REVISED 4/28/2014 KDF

NOTE: CONTRACTOR AND CONSTRUCTION ENGINEER SHALL COORDINATE PROPOSED PRIVATE STORM WORK WITH PROPERTY OWNER OF 3630 JOHNS STREET.



CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL & 20 FEET OF CURB & GUTTER)



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DATE: 4/29/2014

PLOT SCALE: ____

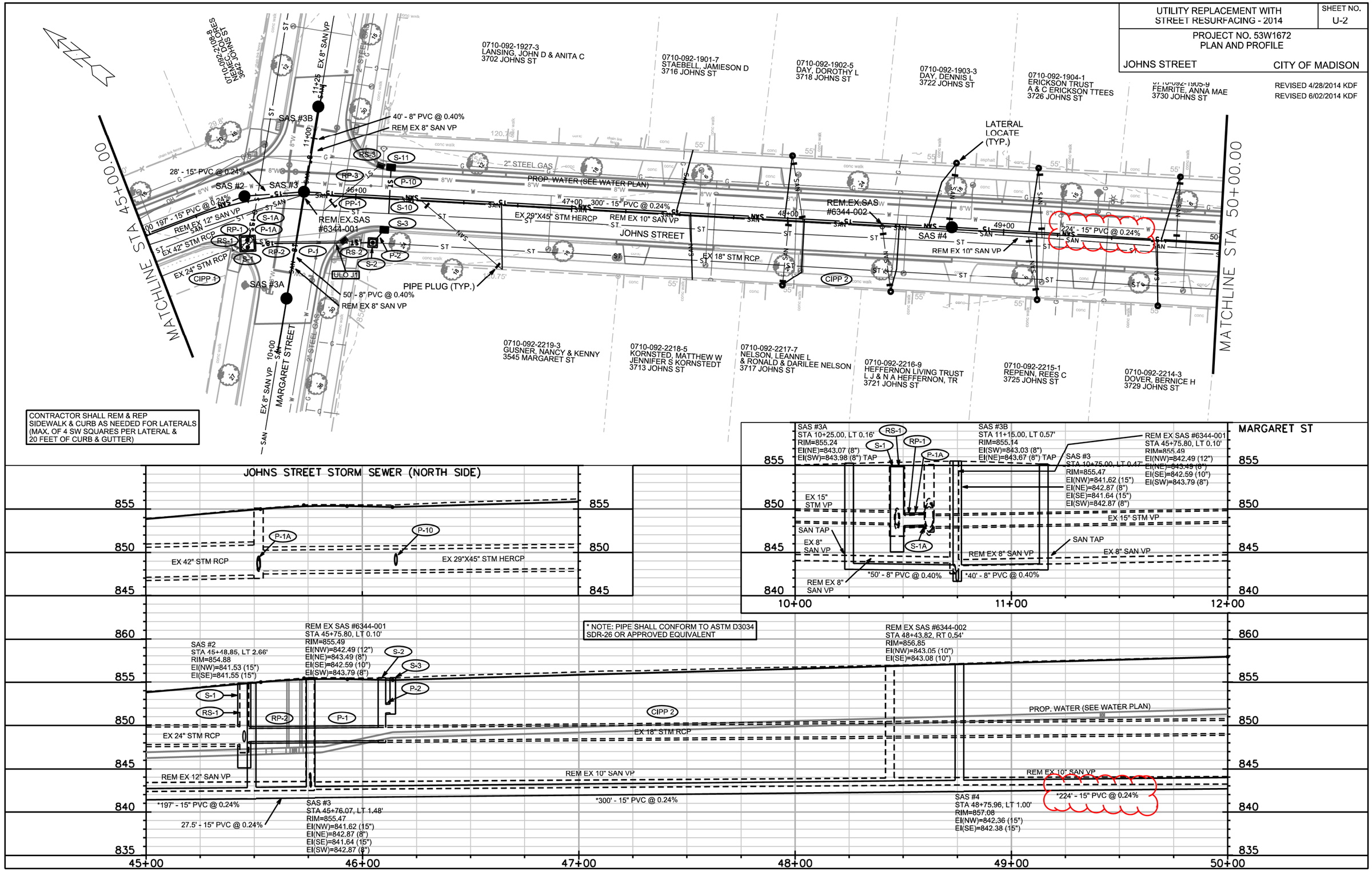
PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-2
PROJECT NO. 53W1672 PLAN AND PROFILE	
JOHNS STREET	CITY OF MADISON

REVISED 4/28/2014 KDF
REVISED 6/02/2014 KDF



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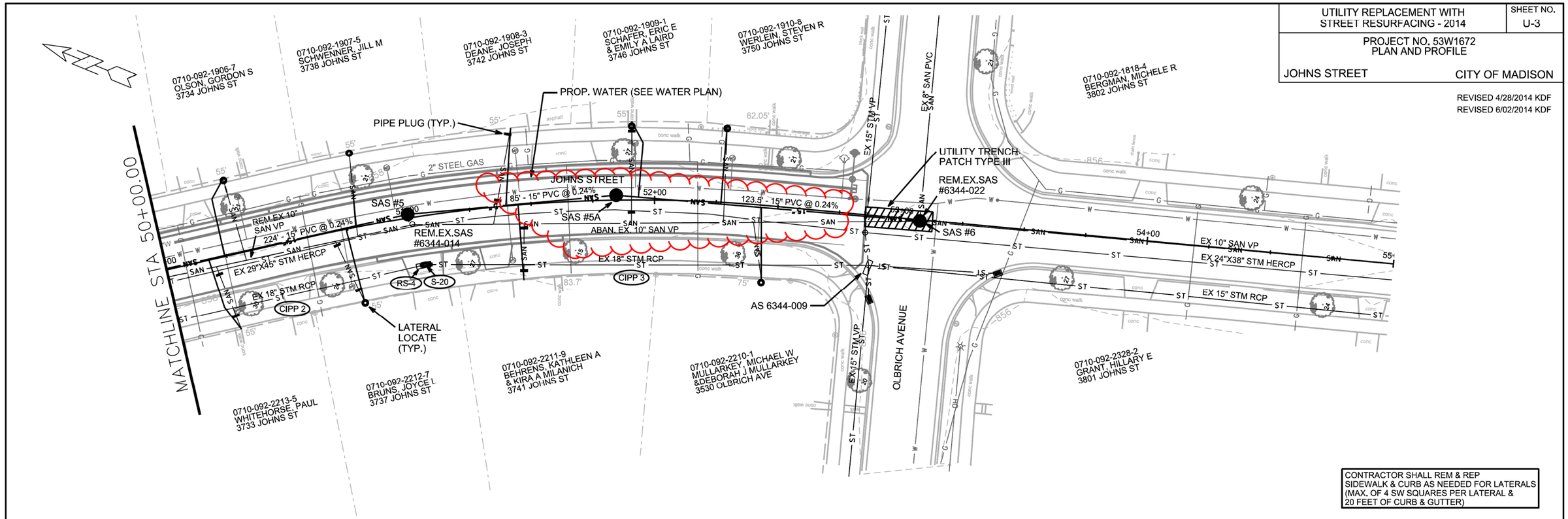
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Sanitary\Design\53W1672SAN-PnP##2.dgn

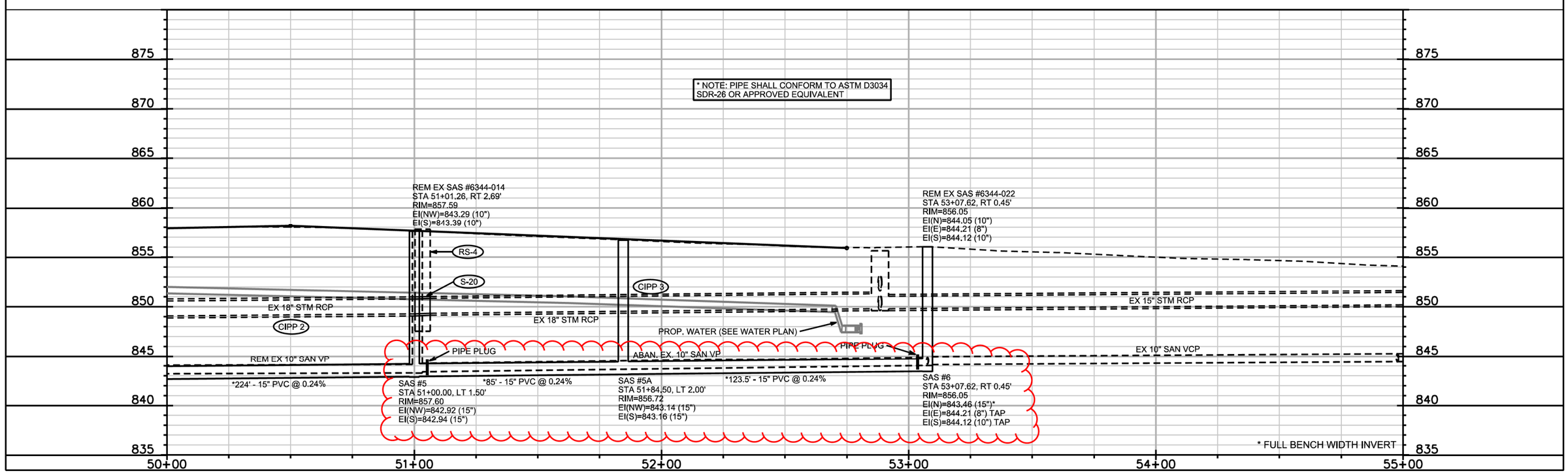
DATE: 6/2/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-3
PROJECT NO. 53W1672 PLAN AND PROFILE	
JOHNS STREET	CITY OF MADISON

REVISED 4/28/2014 KDF
REVISED 6/02/2014 KDF



CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL & 20 FEET OF CURB & GUTTER)



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

FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Sanitary\Design\53W1672SAN-PnP##3.dgn
DATE: 6/2/2014

SANITARY SEWER SCHEDULE

*REVISED 6/03/2014 KDF

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-4
PROJECT NO.53W1672 SANITARY SEWER SCHEDULE	
JOHNS ST	CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
JOHNS STREET						
SAS #1	43+52.35	LT-1.39	852.21	841.04	11.17	-
SAS #2	45+48.85	LT-2.66	854.88	841.53	13.35	-
SAS #3	45+76.07	LT-1.48	855.47	841.62	13.85	(1)
SAS #4	48+75.96	LT-1.00	857.08	842.36	14.72	-
* **SAS #5**	**51+00.00**	**LT-1.50**	**857.60**	**842.92**	**14.68**	-
* **SAS #5A**	**51+84.50**	**LT-2.00**	**856.72**	**843.14**	**13.58**	**-**
* **SAS #6**	53+07.62	RT-0.45	856.05	**843.46**	12.59	-
MARGARET STREET						
SAS #3A	10+25.00	LT-0.16	855.24	843.07	12.17	-
SAS #3B	11+15.00	LT-0.57	855.14	843.03	12.11	-

PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
JOHNS STREET								
STA 40+98.52, LT-2.37	SAS #1	840.38	841.04	254	0.26%	15"	SDR-35	(2)
SAS #1	SAS #2	841.06	841.53	197	0.24%	15"	SDR-26	-
SAS #2	SAS #3	841.55	841.62	27.5	0.24%	15"	SDR-26	-
SAS #3	SAS #4	841.64	842.36	300	0.24%	15"	SDR-26	-
* SAS #4	SAS #5	842.38	**842.92**	**224**	0.24%	15"	SDR-26	-
* **SAS #5**	**SAS #5A**	**842.94**	**843.14**	**85**	**0.24%**	**15"**	**SDR-26**	**-**
* **SAS #5A**	**SAS #6**	**843.16**	**843.46**	**123.5**	0.24%	15"	SDR-26	-
MARGARET STREET								
SAS #3	SAS #3A	842.87	843.07	50	0.40%	8"	SDR-26	-
SAS #3	SAS #3B	842.87	843.03	40	0.40%	8"	SDR-26	-

SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
JOHNS STREET						
6343-022	43+15.00	LT-6.65	852.01	841.99	10.02	-
6344-001	45+75.80	CL	855.49	842.49	13.00	-
6344-002	48+43.80	RT-0.55	856.85	843.05	13.80	-
6344-014	51+01.25	RT-2.70	857.59	843.29	14.30	-
6344-022	53+07.60	RT-0.50	856.05	844.05	12.00	-

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
EX SAS 6343-022	STA 43+45.00, LT-4.75	30	VP	12"	Y	-
STA 43+45.00, LT-4.75	STA 44+75.00, RT-2.80	130	VP	12"	N	-
STA 44+75.00	EX SAS 6344-001	100	VP	12"	Y	-
EX SAS 6344-001	EX SAS 6344-002	267	VP	10"	N	-
EX SAS 6344-002	EX SAS 6344-014	257	VP	10"	N	-
EX SAS 6344-014	EX SAS 6344-022	205	VP	10"	N	-
EX SAS 6344-001	SAS #3A	51	VP	8"	N	-
EX SAS 6344-001	SAS #3B	44	VP	8"	N	-

SANITARY STRUCTURE ABANDONMENTS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
6243-011	40+60.10	LT-21.30	850.87	841.27	9.60	-

SANITARY PIPE ABANDONMENTS

ABANDON FROM	ABANDON TO	LGTH (FT)	PIPE SIZE	TYPE	PAID (Y/N)	NOTES
6243-011	6343-022	255.5	12"	CIPP-VP	Y	(3)
EX SAS 1	6343-011	19	12"	PVC	Y	(3)

SPECIFIC NOTES

(1) INSTALL INTERNAL CHIMNEY SEAL
(2) CONNECT TO EXISTING 15" PVC STUB, INSTALL COMPRESSION COUPLING PER S.D.D. 5.3.3
(3) PIPE PLUGS PAID UNDER BID ITEM 20336.2

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-5
PROJECT NO. 53W1672 STORM SEWER SCHEDULE	
JOHNS ST	CITY OF MADISON

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
JOHNS STREET							
S-1	45+45.34	RT-18.91	6'X6' CATCH BASIN	854.85	847.84	7.01	(3) , (FP) W/TWIN R-1550-0054
S-1A	45+52.15	RT-5.45	STORM TAP	-	848.13	-	-
S-2	46+09.00	RT-20.66	3'X3' SAS	855.50	848.25	7.25	W/R-1550-0054
S-3	46+14.00	RT-14.50	H INLET	855.50	851.50	4.00	W/R-3067-7004-VB
S-10	46+15.61	RT-5.07	STORM TAP	-	848.68	-	-
S-11	46+15.56	LT-14.50	H INLET	855.37	849.60	5.77	W/R-3067-7004-VB
S-20	51+03.36	RT-19.78	18" FIELD BEND	-	849.28	-	(4)

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
JOHNS STREET									
P-1	S-1	S-2	58	848.14	848.25	0.21%	18"	RCP	(1)
P-1A	S-1	S-1A	15	848.04	848.13	1.00%	15"	RCP	NCM
P-2	S-2	S-3	8	851.36	851.50	3.00%	12"	RCP	-
P-10	S-10	S-11	19.5	848.68	849.60	5.00%	12"	RCP	-

PROPOSED CIPP STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	NOTES
JOHNS STREET						
CIPP 1	EX AS 6243-008	S-1	473	24"	RCP	(2)
CIPP 2	S-2	S-20	493	18"	RCP	(2)
CIPP 3	S-20	EX AS 6344-009	180	18"	RCP	(2)

REMOVE STORM STRUCTURES

STRUCT. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
JOHNS STREET					
RS-1	AS 6344-004	45+45.35	RT-18.90	CATCHBASIN	-
RS-2	IN 6344-006	45+95.70	RT-20.40	TUB	
RS-3	IN 6344-007	46+10.75	LT-15.00	TUB	
RS-4	AS 6344-008	51+03.36	RT-19.78	CATCHBASIN	-

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PAID (Y/N)	NOTES
JOHNS STREET						
RP-1	S-1	S-1A	15	15"	N	-
RP-2	S-1	S-2	58	18"	N	-
RP-3	PP-1	RS-3	33.50	12"	Y	-

STORM SEWER ULOs

ULO #	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO J1	45+91.40	RT-21.75	GAS	-

STORM SEWER PIPE PLUGS

STRUCT. NO.	STATION	LOCATION (OFFSET)	PAID (Y/N)	NOTES
PP-1	45+89.00	RT-4.00	Y	-

SPECIFIC NOTES

(1) CONFIRM INLET E.I. IN FIELD
(2) PROPOSED STORM SEWER WORK TO BE COMPLETED PRIOR TO CIPP LINING
(3) W/ 3' SUMP BELOW LISTED E.I.
(4) 18" FIELD BEND PAID UNDER ITEM 90030. ITEM INCLUDES 18" PIPE AND CONCRETE COLLARS

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; UD = 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 KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO kfrank@cityofmadison.com.

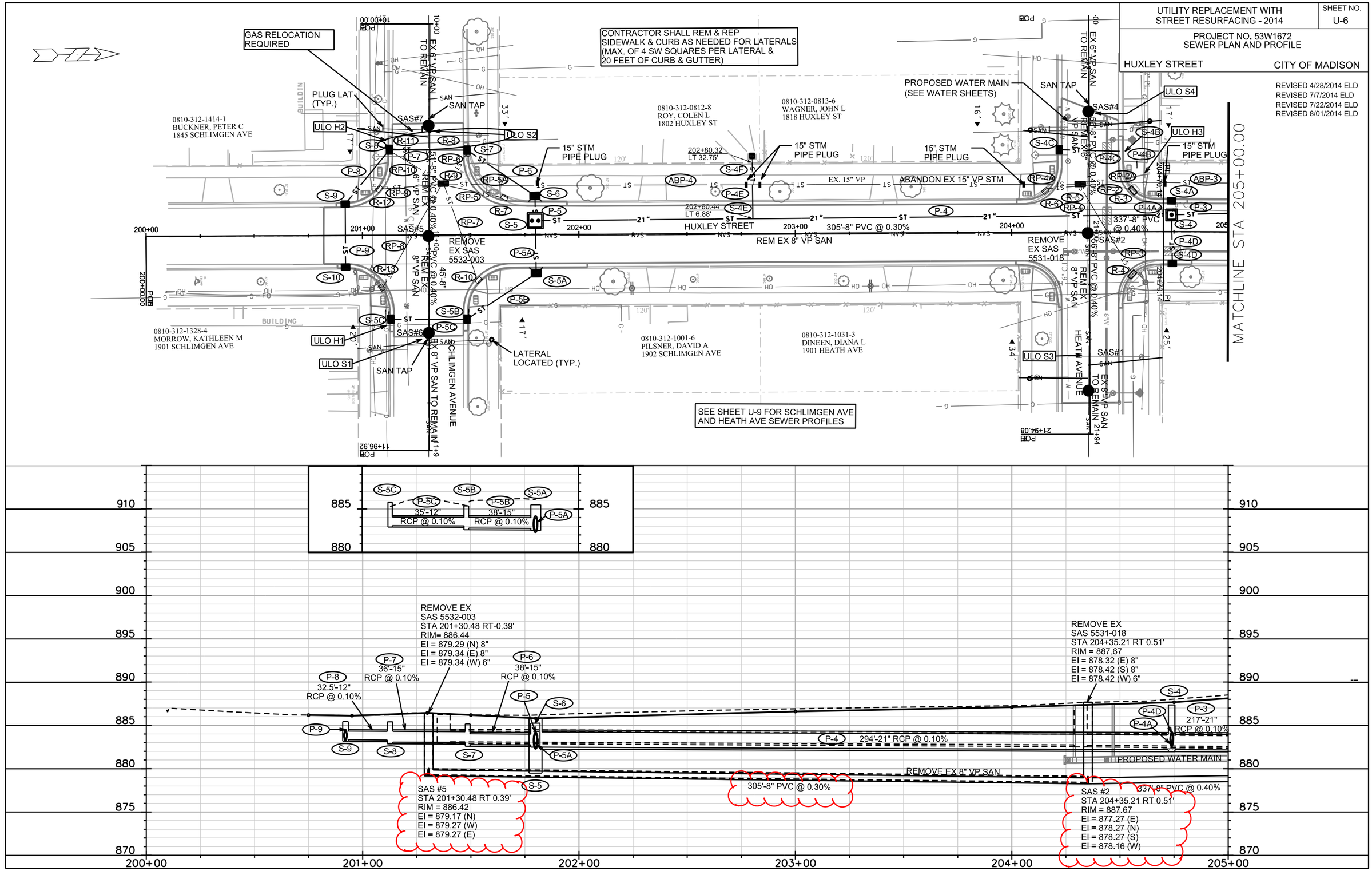
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014

SHEET NO. U-6

PROJECT NO. 53W1672
SEWER PLAN AND PROFILE

HUXLEY STREET — CITY OF MADISON

REVISED 4/28/2014 ELD
REVISED 7/7/2014 ELD
REVISED 7/22/2014 ELD
REVISED 8/01/2014 ELD



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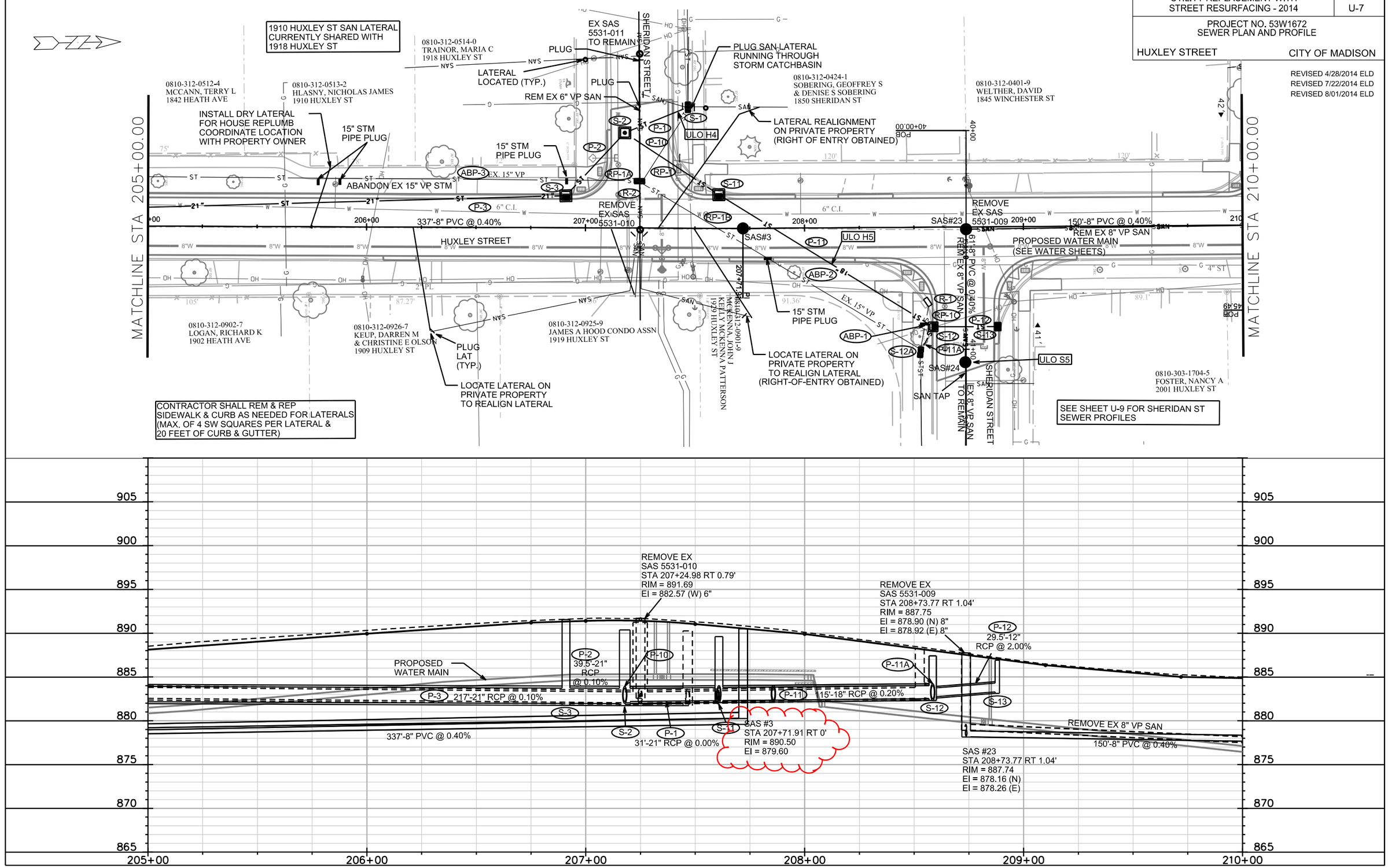
DATE: 8/1/2014

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

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-7
PROJECT NO. 53W1672 SEWER PLAN AND PROFILE	
HUXLEY STREET	CITY OF MADISON

REVISED 4/28/2014 ELD
REVISED 7/22/2014 ELD
REVISED 8/01/2014 ELD



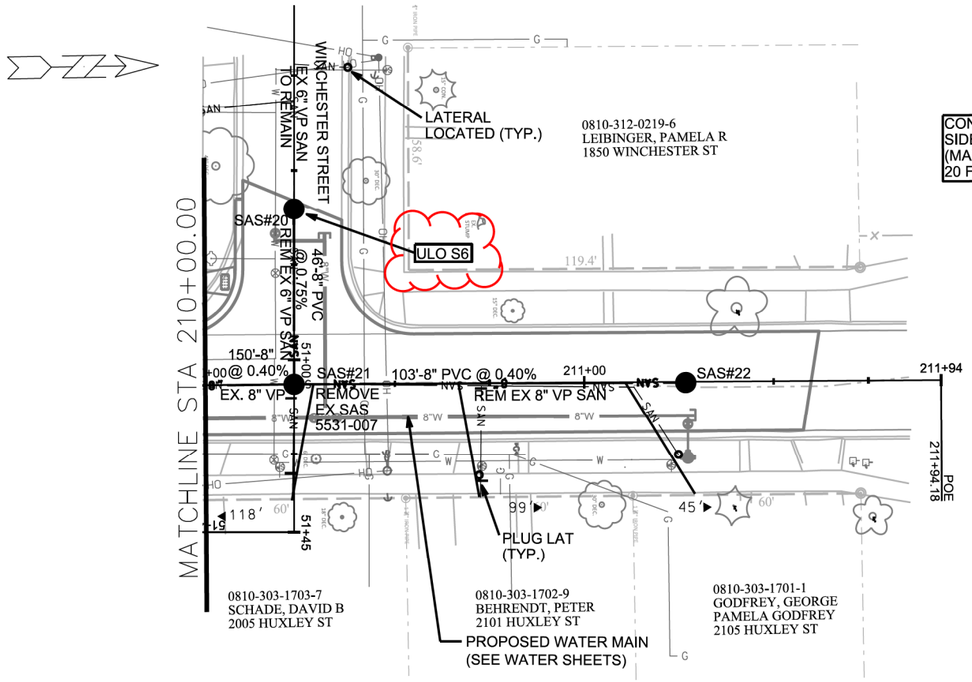
PLOT SCALE: ____
PLOT NAME: ____
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1672\Huxley\Storm\Design\53W1672STM-PnPHUX2.dgn

DATE: 8/1/2014

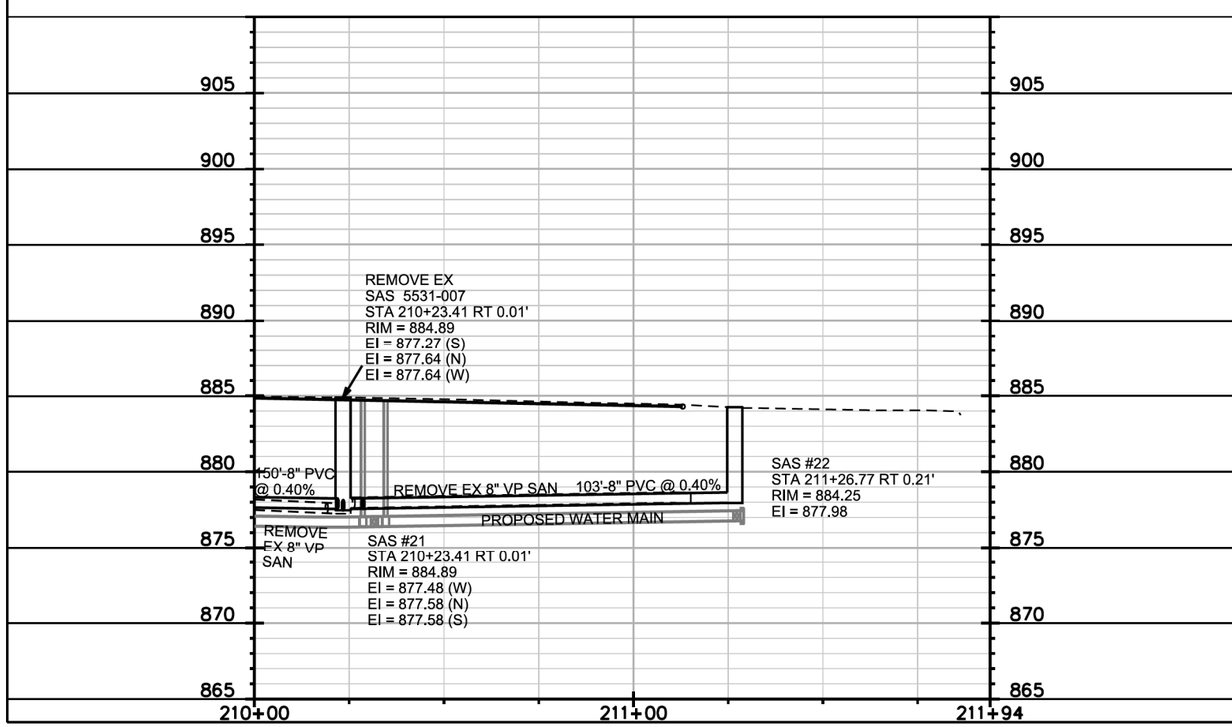
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-8
PROJECT NO. 53W1672 SEWER PLAN AND PROFILE	
HUXLEY STREET	CITY OF MADISON

REVISED 4/28/2014 ELD



CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL & 20 FEET OF CURB & GUTTER)

SEE SHEET U-9 FOR WINCHESTER ST SEWER PROFILES



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PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

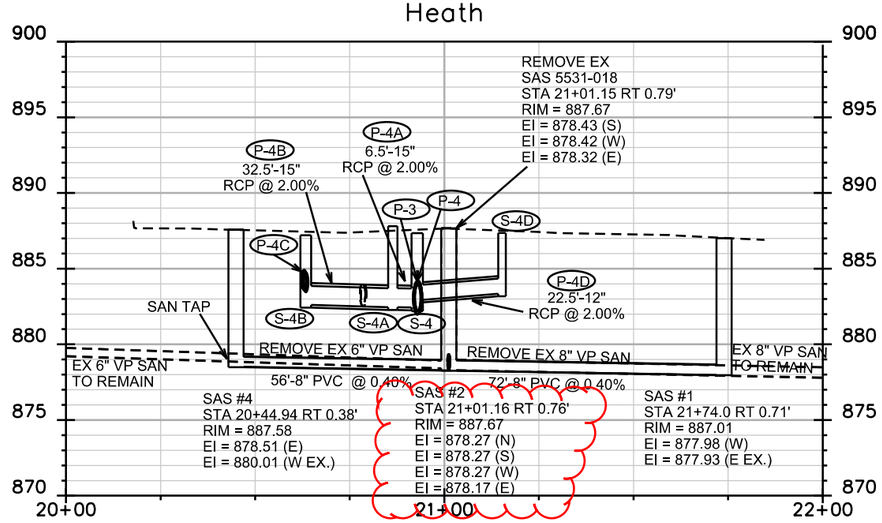
FILE NAME: M:\DESIGN\Projects\53W1672\Huxley\Storm\Design\53W1672STM-PnPHUX3.dgn

DATE: 4/29/2014

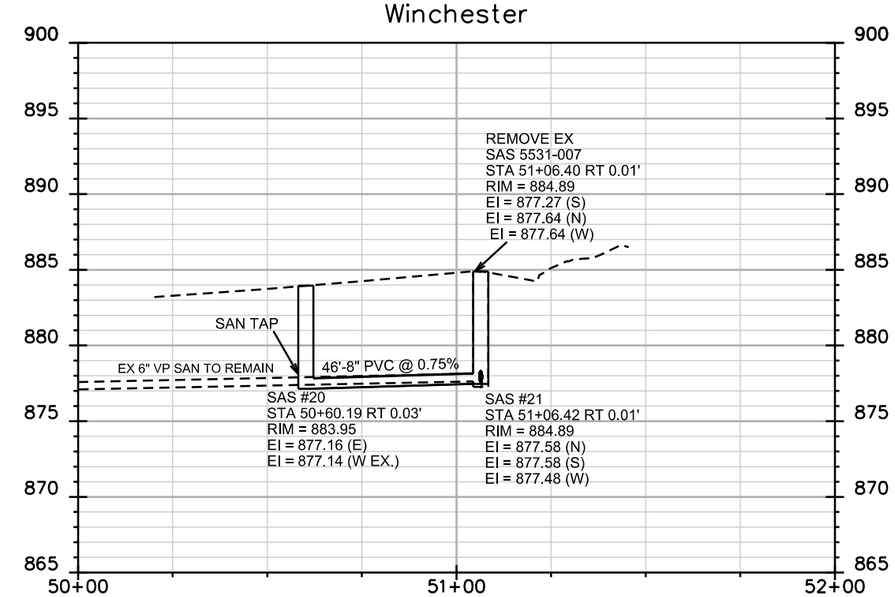
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-9
PROJECT NO. 53W1672 SEWER PLAN AND PROFILE	
SIDE STREETS	CITY OF MADISON

REVISED 7/7/2014 ELD
REVISED 7/22/2014 ELD
REVISED 8/01/2014 ELD

Heath



Winchester



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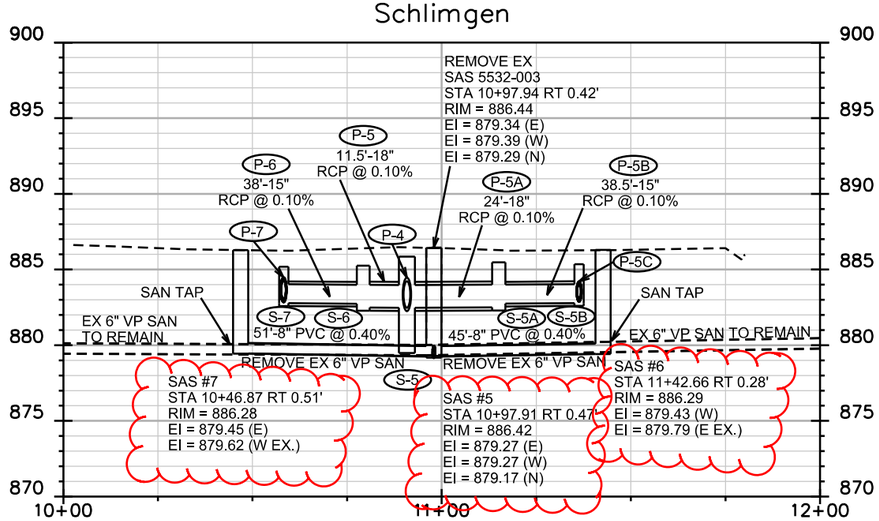
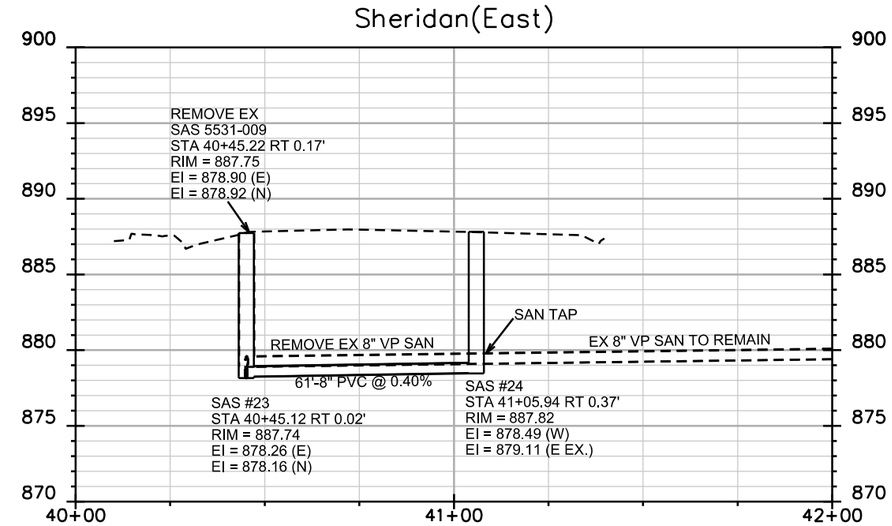


Sheridan(East)



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

FILE NAME: M:\DESIGN\Projects\53W1672\Huxley\Storm\Design\53W1672STM-PnPHUX4.dgn
DATE: 8/1/2014

SANITARY SCHEDULE

REVISED 4/28/2014 ELD
REVISED 7/7/2014 ELD
REVISED 7/22/2014 ELD
***REVISED 7/22/2014 ELD**

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-10
PROJECT NO. 53W1672	
HUXLEY STREET SANITARY SEWER SCHEDULE	CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
HUXLEY STREET						
* SAS#2	204+32.51	RT-0.51	887.67	**878.17**	9.50	-
* SAS#3	207+71.91	RT-0.00	890.50	**879.60**	10.90	-
* SAS#5	201+30.48	RT-0.39	886.42	**879.27**	7.15	-
SAS#21	210+23.41	RT-0.01	884.89	877.48	7.41	-
SAS#22	211+26.77	RT-0.21	884.25	877.98	6.27	-
SAS#23	208+73.77	RT-1.04	887.74	878.16	9.58	-
SCHLIMGEN AVENUE						
* SAS#6	11+42.66	RT-0.28	886.29	**879.43**	6.86	-
* SAS#7	10+46.87	RT-0.51	886.28	**879.45**	6.83	-
HEATH AVENUE						
SAS#1	21+74.00	RT-0.71	887.01	877.93	9.08	-
SAS#4	20+44.94	RT-0.38	887.58	878.51	9.07	-
SHERIDAN STREET (EAST)						
SAS#24	41+05.94	RT-0.37	887.82	878.49	9.33	-
WINCHESTER AVENUE						
SAS#20	50+60.19	RT-0.03	883.95	877.16	6.79	-

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
SAS#1	SAS#2	877.98	878.17	73	0.40%	8"	SDR-35	VERIFY E.I. (E)
* SAS#2	SAS#3	**878.27**	**879.60**	337	**0.40%**	8"	SDR-35	-
SAS#2	SAS#4	878.27	878.51	56	0.39%	8"	SDR-35	-
* SAS#2	SAS#5	**878.27**	**879.17**	305	**0.30%**	8"	SDR-35	-
* SAS#5	SAS#6	**879.27**	**879.43**	45	**0.40%**	8"	SDR-35	-
* SAS#5	SAS#7	**879.27**	**879.45**	51	**0.40%**	8"	SDR-35	-
SAS#20	SAS#21	877.16	877.48	46	0.75%	8"	SDR-35	VERIFY E.I. (W)
SAS#21	SAS#22	877.58	877.98	103	0.40%	8"	SDR-35	-
SAS#21	SAS#23	877.58	878.16	150	0.40%	8"	SDR-35	-
SAS#23	SAS#24	878.26	878.49	61	0.40%	8"	SDR-35	-

SANITARY SEWER PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH	PAID (Y/N)	NOTES
5531-010	STA 207+24.71 LT-55.82	57	Y	-
5532-003	5531-018	305	N	-
5531-009	5531-007	150	N	-
5531-007	PLG 5531-008	90	N	-
SAS#4	5531-018	56	N	-
SAS#20	5531-007	46	N	-
SAS#24	5531-009	61	N	-
SAS#1	5531-018	73	N	-
SAS#7	5532-003	51	N	-
SAS#6	5532-003	45	N	-

REMOVE SEWER ACCESS STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
5532-003	201+30.48	RT-0.39	886.44	879.29	7.15	-
5531-018	204+35.21	RT-0.51	887.67	878.32	9.35	-
5531-010	207+24.98	RT-0.79	891.69	882.57	9.12	-
5531-009	208+73.77	RT-1.04	887.75	878.90	8.85	-
5531-007	210+23.41	RT-0.01	884.89	877.27	7.62	-

SANITARY ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
HUXLEY STREET				
* ULO S1	201+30.56	RT-44.74	SANITARY	880.52 TOP EX. 8" CLAY - EI = 879.80
* ULO S2	201+30.62	LT-50.45	SANITARY	880.17 TOP EX. 6" CLAY - EI = 879.62
* ULO S3	204+35.71	RT-56.33	SANITARY	878.71 TOP EX. 8" CLAY - EI = 878.00
* ULO S4	204+36.74	RT-55.20	SANITARY	880.55 TOP EX. 6" CLAY - EI = 880.01
* ULO S5	208+73.01	RT-61.33	SANITARY	879.86 TOP EX. 6" CLAY - EI = 879.31
* ULO S6	210+23.78	RT-46.52	SANITARY	877.57 TOP EX. 6" CLAY - EI = 877.03

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

FILE NAME: M:\DESIGN\PROJECTS\53W1672\HUXLEY\SANITARY\DESIGN\SANITARY SCHEDUL

DATE: 08/01/2014

STORM SEWER SCHEDULE

*REVISED 4/28/2014 ELD
*REVISED 7/22/2014 ELD

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-11
PROJECT NO. 53W1672	
HUXLEY STREET STORM SEWER SCHEDULE	CITY OF MADISON

STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
	HUXLEY STREET							
	S-1	207+46.57	LT-55.27	TAP EX MH	890.25	881.95	8.30	TAP AT EI=881.95
	S-2	207+17.80	LT-43.51	4X4 SAS	890.40	881.95	8.45	W/ R-1550-0054
	S-3	206+90.83	LT-14.50	4X4 SAS	891.16	881.98	9.18	W/ R-3067-7004-V; FP
	S-4	204+73.87	LT-7.78	4X4 SAS	887.90	882.19	5.71	W/ R-1550-0054
*	**S-4A**	**204+73.76**	**LT-14.50**	**H INLET**	**887.80**	**882.46**	**5.34**	**W/ R-3067-7004-V**
*	**S-4E**	**202+80.44**	**LT-6.88**	**STM TAP**	**DNA**	**882.75**	**DNA**	**-**
*	**S-4F**	**202+80.32**	**LT-32.75**	**CONCRETE COLLAR**	**DNA**	**883.00**	**DNA**	**VERIFY E.I.**
	S-4D	204+74.28	RT-14.50	H INLET	887.75	883.34	4.41	W/ R-3067-7004-V
	S-5	201+79.90	LT-6.42	6X6 CATCHBASIN	885.80	882.48	3.32	W/ 2 R-1550-0054; SEE NOTE (1)
	S-5A	201+80.18	RT-18.00	TERRACE INLET TYPE 3	885.55	882.50	3.05	W/ GRATE ONLY 3808-0007; SEE NOTE (2)
	S-6	201+79.84	LT-18.00	TERRACE INLET TYPE 3	885.50	882.49	3.01	W/ GRATE ONLY 3808-0007; SEE NOTE (2)
	S-9	200+92.07	LT-14.50	H INLET	885.90	883.33	2.57	W/ R-3067-7004-V; FP
	S-10	200+92.14	RT-14.50	H INLET	885.95	883.36	2.59	W/ R-3067-7004-V; FP
	S-11	207+60.83	LT-14.50	4x4 SAS	890.60	882.29	8.31	W/ R-3067-7004-V; FP
	HEATH AVENUE							
*	**S-4B**	**20+63.39**	**LT-14.50**	**H INLET**	**887.21**	**882.61**	**4.60**	**W/ R-3067-7004-VB; LP**
	S-4C	20+62.56	RT-14.50	H INLET	887.10	883.88	3.22	W/ R-3067-7004-VB; LP
	SCHLIMGEN AVENUE							
	S-5B	11+36.31	LT-17.50	H INLET	885.80	882.78	3.02	W/ R-3067-7004-V
	S-5C	11+36.35	RT-17.50	H INLET	885.75	883.06	2.69	W/ R-3067-7004-V; FP
	S-7	10+58.24	LT-17.50	H INLET	885.55	882.77	2.78	W/ R-3067-7004-V
	S-8	10+58.14	RT-17.50	H INLET	885.90	883.05	2.85	W/ R-3067-7004-V; FP
	SHERIDAN STREET (EAST)							
	S-12	40+89.73	LT-14.50	3X3 SAS	887.30	882.51	4.79	W/ R-3067-7004-V
	S-12A	41+00.00	RT-20.74	TAP EX MH	888.25	882.55	5.70	TAP AT EI=882.55
	S-13	40+89.69	RT-14.50	H INLET	887.20	883.29	3.91	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	31	881.95	881.95	0.00%	21"	RCP	VERIFY E.I.(W)
	P-2	S-2	S-3	39.5	881.95	881.98	0.10%	21"	RCP	-
	P-3	S-3	S-4	217	881.98	882.19	0.10%	21"	RCP	-
	P-4	S-4	S-5	294	882.19	882.48	0.10%	21"	RCP	-
*	**P-4A**	**S-4**	**S-4A**	**6.5**	**882.44**	**882.46**	**0.50%**	**15"**	**RCP**	**-**
*	**P-4B**	**S-4A**	**S-4B**	**32.5**	**882.46**	**882.61**	**0.50%**	**15"**	**RCP**	**-**
	P-4C	S-4B	S-4C	29	883.61	883.88	1.00%	12"	RCP	-
	P-4D	S-4	S-4D	22.5	882.94	883.34	2.00%	12"	RCP	-
*	**P-4E**	**S-4E**	**S-4F**	**25**	**882.75**	**883.00**	**1.00%**	**12"**	**RCP**	**VERIFY E.I.(S)**
	P-5	S-5	S-6	11.5	882.48	882.49	0.10%	18"	RCP	-
	P-5A	S-5	S-5A	24	882.48	882.50	0.10%	18"	RCP	-
	P-5B	S-5A	S-5B	38.5	882.75	882.78	0.10%	15"	RCP	-
	P-5C	S-5B	S-5C	35	883.03	883.06	0.10%	12"	RCP	-
	P-6	S-6	S-7	38	882.74	882.77	0.10%	15"	RCP	-
	P-7	S-7	S-8	36	883.02	883.05	0.10%	15"	RCP	-
	P-8	S-8	S-9	32.5	883.30	883.33	0.10%	12"	RCP	-
	P-9	S-9	S-10	29	883.33	883.36	0.10%	12"	RCP	-
	P-10	S-2	S-11	51.5	882.20	882.29	0.20%	18"	RCP	-
	P-11	S-11	S-12	115	882.29	882.51	0.20%	18"	RCP	-
	P-11A	S-12	S-12A	13	882.51	882.55	0.50%	18"	RCP	VERIFY E.I.(E)
	P-12	S-12	S-13	29.5	882.51	883.29	2.00%	12"	RCP	-

ULO SCHEDULE

	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
	SCHLIMGEN AVENUE				
*	ULO EX2	11+32.20	LT-18.2	GAS 2" STEEL	TOP 882.24
*	ULO H1A	11+32.70	RT-20.27	GAS 4" STEEL	TOP 881.75
*	ULO H1B	11+33.18	RT-18.65	GAS 2" STEEL	TOP 882.44
*	ULO H2	10+56.48	RT-20.06	GAS 4" STEEL	TOP 882.72
	HEATH AVENUE				
*	ULO H3	204+58.07	LT-32.56	GAS 4" STEEL	TOP 884.48
	SHERIDAN STREET				
*	ULO EX1	207+42.89	LT-33.38	GAS 4" STEEL	TOP 887.25
*	ULO H4	207+42.01	LT-52.10	GAS 4" STEEL	TOP 886.12
*	ULO H5	208+11.00	RT-16.00	GAS	NO GAS MARKED

SPECIFIC NOTES

(1) PER S.D.D. 5.7.4 WITH 3' SUMP BELOW E.I.
(2) PER S.D.D. 5.7.12B, CASTING ELEVATION 0.2' BELOW TOC; LP; FP
S-5A TOP OF CURB = 885.75
S-6 TOP OF CURB = 885.70

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

STORM REMOVALS SCHEDULE

STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
R-1	IN 5531-018	208+56.00	RT-34.00	TUB	-
R-2	AS 5531-003	207+25.00	LT-21.50	CATCHBASIN	-
R-3	IN 5531-016	204+56.00	LT-19.00	TUB	-
R-4	IN 5531-015	204+55.00	RT-18.00	TUB	-
R-5	AS 5531-004	204+32.00	LT-22.00	CATCHBASIN	-
R-6	IN 5531-017	204+16.00	LT-19.00	TUB	-
R-7	IN 5532-015	201+66.00	LT-17.00	TUB	-
R-8	IN 5532-014	201+49.50	LT-38.00	TUB	-
R-9	AS 5532-012	201+38.00	LT-24.00	CATCHBASIN	-
R-10	IN 5532-016	201+54.00	RT-21.00	TUB	-
R-11	IN 5532-013	201+12.00	LT-39.00	TUB	-
R-12	IN 5532-018	201+08.00	LT-21.00	TUB	-
R-13	IN 5532-017	201+09.00	RT-23.00	TUB	-

STORM PIPE REMOVALS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
RP-1	S-1 (AS 5531-005)	R-2 (AS 5531-003)	40	Y	18"	VP	-
RP-1A	R-2 (AS 5531-003)	STA 206+91.00	34	Y	15"	VP	-
RP-1B	R-2 (AS 5531-003)	STA 207+83.00	64	Y	15"	VP	-
RP-1C	STA 207+83.00	R-1 (IN 5531-018)	8	Y	12"	VP	-
RP-2	R-5 (AS 5531-004)	R-3 (IN 5531-016)	25	Y	12"	VP	-
RP-2A	STA 204+71.00	R-5 (AS 5531-004)	39	Y	15"	VP	-
RP-3	R-5 (AS 5531-004)	R-4 (IN 5531-015)	51	Y	12"	VP	-
RP-4	R-5 (AS 5531-004)	R-6 (IN 5531-017)	12	Y	12"	VP	-
RP-4A	R-5 (AS 5531-004)	STA 204+05.00	27	Y	15"	VP	-
RP-5	R-9 (AS 5532-012)	R-7 (IN 5532-015)	19	Y	12"	VP	-
RP-5A	STA 201+80.00	R-9 (AS 5532-012)	42	Y	15"	VP	-
RP-6	R-9 (AS 5532-012)	R-8 (IN 5532-014)	30	Y	12"	VP	-
RP-7	R-9 (AS 5532-012)	R-10 (IN 5532-016)	46	Y	12"	VP	-
RP-8	R-9 (AS 5532-012)	R-11 (IN 5532-013)	28	Y	12"	VP	-
RP-9	R-9 (AS 5532-012)	R-12 (IN 5532-018)	28	Y	12"	VP	-
RP-10	R-9 (AS 5532-012)	R-13 (IN 5532-017)	53	Y	12"	VP	-

ABANDON STORM STRUCTURE

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:

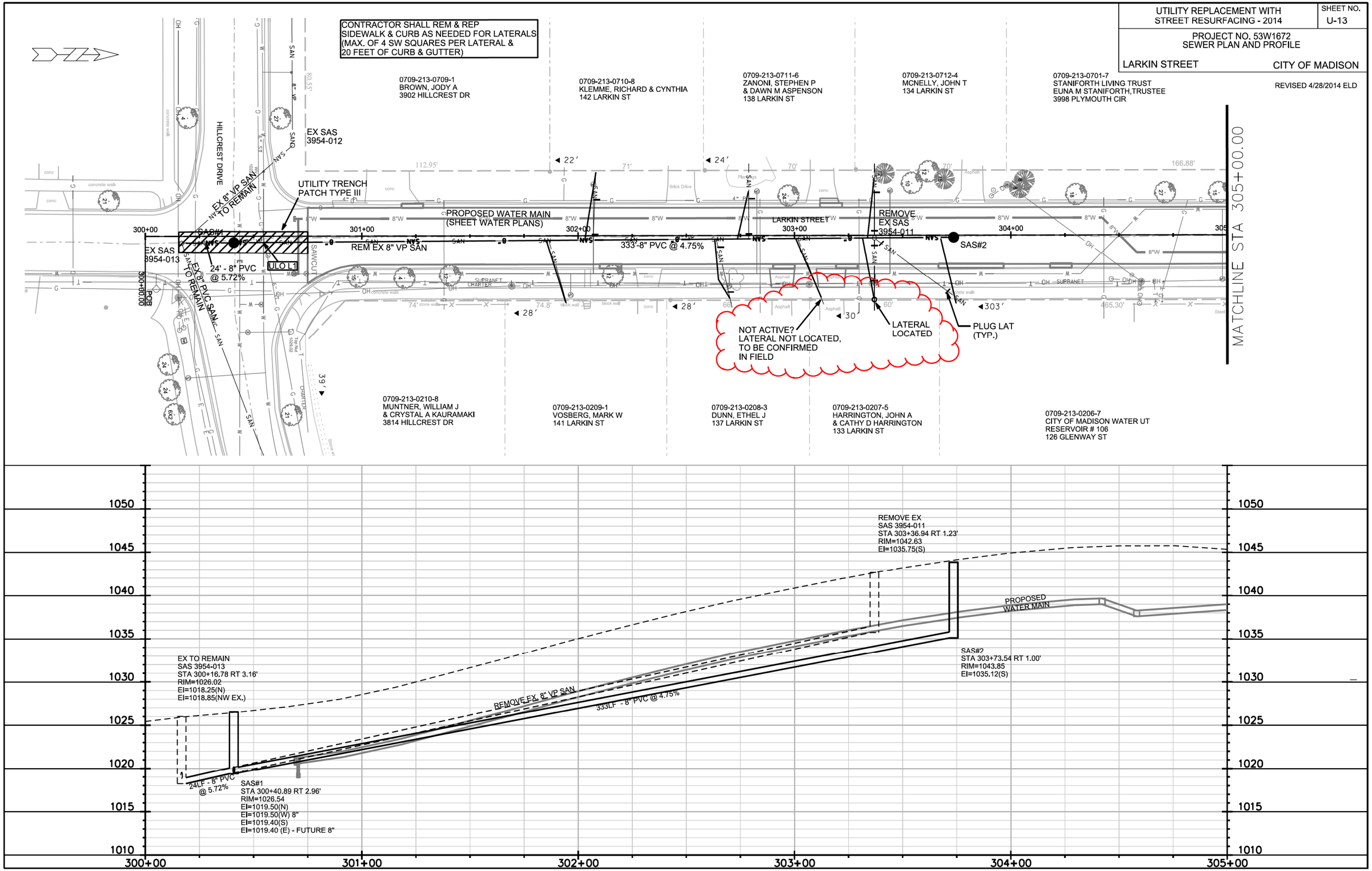
ABANDON STORM PIPE

PIPE ABANDON NO.	ABANDON FROM	ABANDON TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
ABP-1	AS 5631-013	STA 40+85.00	10	Y	12"	VP	PLUGS
ABP-2	AS 5631-013	STA 207+83.00	80	Y	15"	VP	PLUGS
ABP-3	STA 206+91.00	STA 204+71.00	220	Y	15"	VP	PLUGS
ABP-4	STA 204+05.00	STA 201+80.00	225	Y	15"	VP	PLUGS

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

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-13
PROJECT NO. 53W1672 SEWER PLAN AND PROFILE	
LARKIN STREET	CITY OF MADISON

REVISED 4/28/2014 ELD



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

FILE NAME: M:\DESIGN\Projects\53W1672\Larkin\Sanitary\Design\53W1672SAN-PnPLARKIN1.dgn

DATE: 4/29/2014

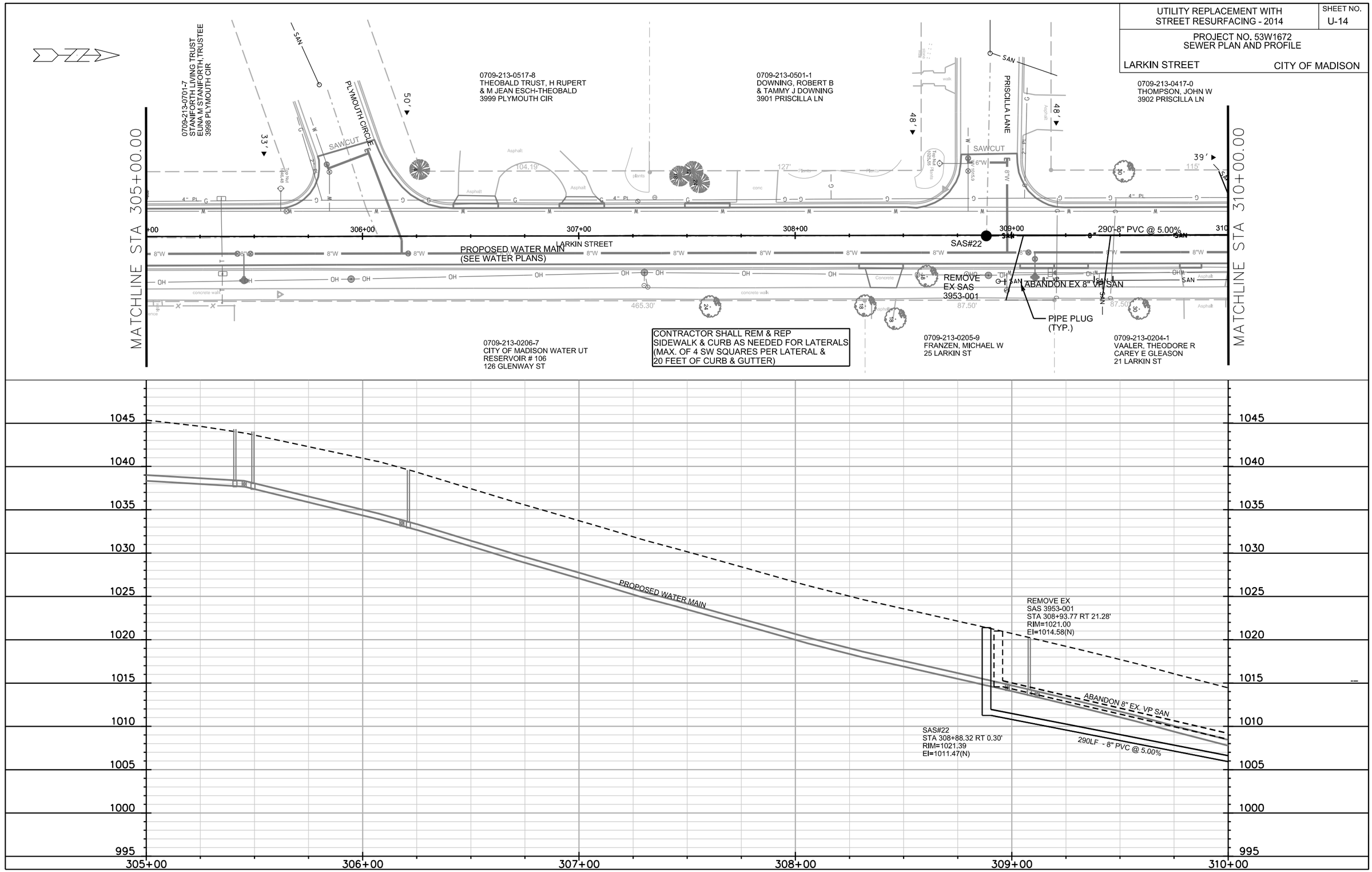
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014

SHEET NO. U-14

PROJECT NO. 53W1672
SEWER PLAN AND PROFILE

LARKIN STREET

CITY OF MADISON



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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DATE: 2/21/2014

SANITARY SCHEDULE

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-16
PROJECT NO. 53W1672	
LARKIN STREET SANITARY SEWER SCHEDULE	CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	300+40.89	RT-2.96	1026.54	1019.70	6.84	-
SAS#2	303+73.54	RT-1.00	1043.85	1035.12	8.73	-
SAS#20	314+51.57	RT-0.40	1003.60	995.89	7.71	-
SAS#21	311+78.24	CL	1005.35	996.07	9.28	-
SAS#21A	311+79.56	LT-39.11	1005.10	997.31	7.79	-
SAS#22	308+88.32	RT-0.30	1021.39	1011.47	9.92	-

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
3954-013	SAS#1	1018.25	1019.40	24	5.72%	8"	SDR-35	-
SAS#1	SAS#2	1019.50	1035.12	333	4.75%	8"	SDR-35	VERIFY EI (S)
SAS#1	STUB	1019.50	1019.53	8	0.40%	8"	SDR-35	STUB LOCATION N=478933.02,E=806167.46
SAS#20	3953-013	995.99	996.42	25	2.03%	8"	SDR-35	-
SAS#20	SAS#21	995.89	996.07	273	0.40%	8"	SDR-35	-
SAS#21	SAS#22	997.17	1011.47	290	5.00%	8"	SDR-35	-
SAS#21	SAS#21A	997.17	997.31	39	0.40%	8"	SDR-35	-

REMOVE SEWER ACCESS STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
3954-011	303+37.00	RT-1.25	1042.63	1035.75	6.88	-
3953-001	308.94.00	RT-21.25	1021	1014.58	6.42	-
3953-002	311+49.30	RT-20.00	1006.42	999.82	6.60	-
3953-003	311+79.40	LT-23.30	1005.29	998.54	6.75	-

SANITARY SEWER PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH	PAID (Y/N)	NOTES
STA 300+40.90	3954-011	296	N	-
3953-002	3953-003	53	Y	-
3953-003	STA 312+05.00, 23' LT	26	Y	-
3953-003	SAS#21A	18	N	-
3953-013	SAS#20	25	N	-

SANITARY SEWER PIPE ABANDONMENT

ABANDON FROM	ABANDON TO	LENGTH	PAID (Y/N)	NOTES
3953-001	3953-002	255	Y	-
STA 312+05.00	3953-018	240	Y	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO L1	300+55.00	RT-2.60	GAS & WATER	-
ULO L3	311+75.00	CL	GAS	-

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

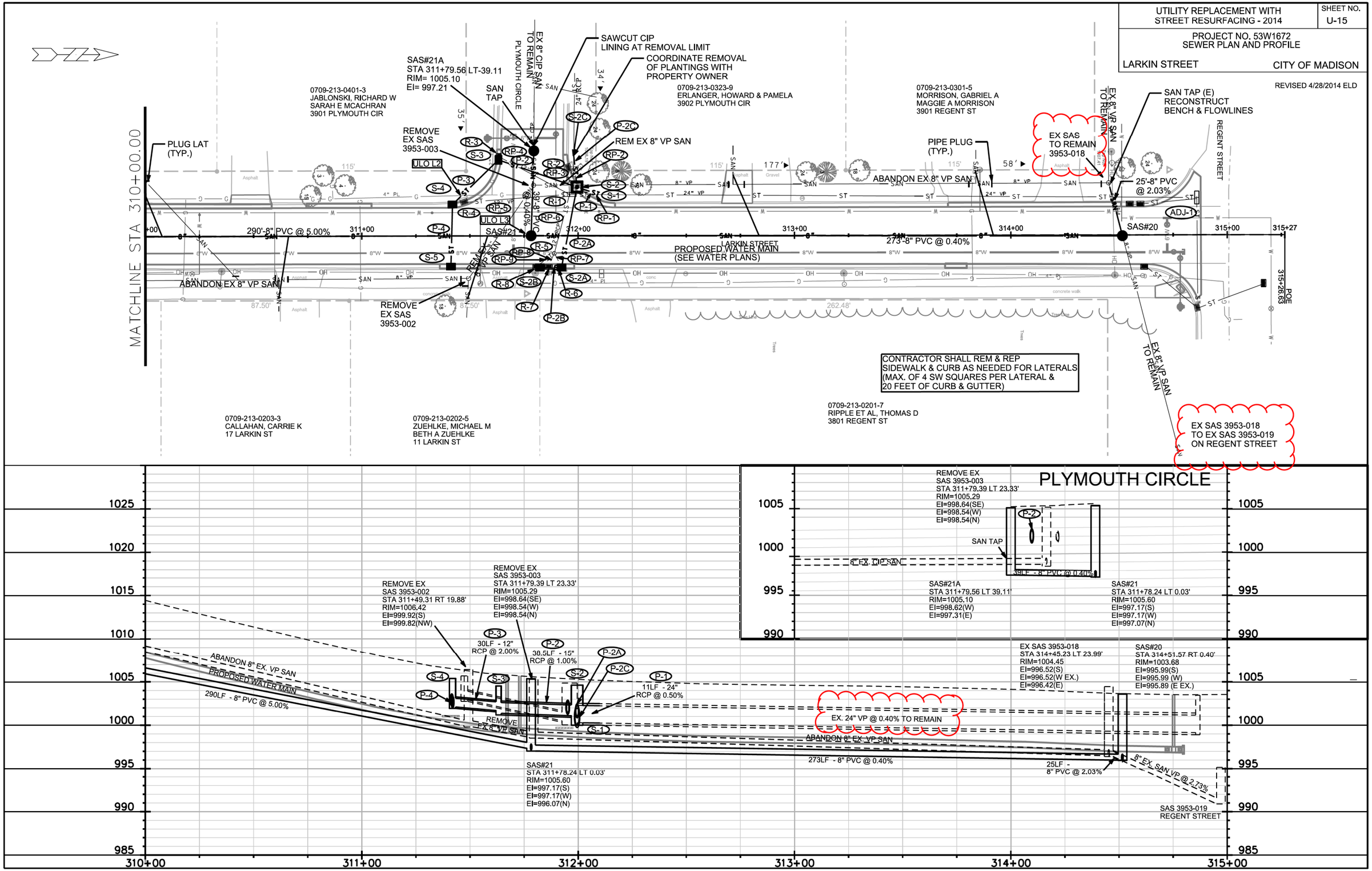
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014

SHEET NO. U-15

PROJECT NO. 53W1672
SEWER PLAN AND PROFILE

LARKIN STREET — CITY OF MADISON

REVISED 4/28/2014 ELD



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1672\Larkin\Sanitary\Design\53W1672SAN-PnPLARKIN3.dgn

DATE: 4/29/2014

SANITARY SCHEDULE

***REVISED 4/28/2014 ELD**

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-16
PROJECT NO. 53W1672	
LARKIN STREET SANITARY SEWER SCHEDULE	CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	300+40.89	RT-2.96	1026.54	1019.70	6.84	-
SAS#2	303+73.54	RT-1.00	1043.85	1035.12	8.73	-
SAS#20	314+51.57	RT-0.40	1003.60	995.89	7.71	-
SAS#21	311+78.24	CL	1005.35	996.07	9.28	-
SAS#21A	311+79.56	LT-39.11	1005.10	997.31	7.79	-
SAS#22	308+88.32	RT-0.30	1021.39	1011.47	9.92	-

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
3954-013	SAS#1	1018.25	1019.40	24	5.72%	8"	SDR-35	-
SAS#1	SAS#2	1019.50	1035.12	333	4.75%	8"	SDR-35	VERIFY EI (S)
* ~~SAS#1~~	~~STUB~~	~~1019.50~~	~~1019.53~~	~~8~~	~~0.40%~~	~~8"~~	~~SDR-35~~	~~STUB LOCATION N=478933.02,E=806167.46~~
SAS#20	3953-013	995.99	996.42	25	2.03%	8"	SDR-35	-
SAS#20	SAS#21	995.89	996.07	273	0.40%	8"	SDR-35	-
SAS#21	SAS#22	997.17	1011.47	290	5.00%	8"	SDR-35	-
SAS#21	SAS#21A	997.17	997.31	39	0.40%	8"	SDR-35	-

REMOVE SEWER ACCESS STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
3954-011	303+37.00	RT-1.25	1042.63	1035.75	6.88	-
3953-001	308.94.00	RT-21.25	1021	1014.58	6.42	-
3953-002	311+49.30	RT-20.00	1006.42	999.82	6.60	-
3953-003	311+79.40	LT-23.30	1005.29	998.54	6.75	-

SANITARY SEWER PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH	PAID (Y/N)	NOTES
STA 300+40.90	3954-011	296	N	-
3953-002	3953-003	53	Y	-
3953-003	STA 312+05.00, 23' LT	26	Y	-
3953-003	SAS#21A	18	N	-
* **3953-018**	SAS#20	25	N	-

SANITARY SEWER PIPE ABANDONMENT

ABANDON FROM	ABANDON TO	LENGTH	PAID (Y/N)	NOTES
3953-001	3953-002	255	Y	-
STA 312+05.00	3953-018	240	Y	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO L1	300+55.00	RT-2.60	GAS & WATER	-
ULO L3	311+75.00	CL	GAS	-

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

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. U-17
PROJECT NO. 53W1672	
LARKIN STREET STORM SEWER SCHEDULE	CITY OF MADISON

STORM SEWER SCHEDULE

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
LARKIN STREET							
S-1	312+10.00	LT-19.00	FIELD BEND	DNA	1000.26	DNA	(1)
S-2	311+99.50	LT-22.40	4X4 SAS	1004.85	1000.30	4.55	W/ R-3067-7004-V; FP
S-2A	311+92.30	RT-14.50	H INLET	1005.11	1001.74	3.37	W/ R-3067-7004-V
S-2B	311+82.30	RT-14.50	H INLET	1005.41	1002.13	3.28	W/ R-3067-7004-V
S-2C	311+96.00	LT-36.00	FIELD BEND	DNA	1000.35	DNA	(1)
S-3	311+62.70	LT-35.00	H INLET	1005.10	1001.40	3.70	W/ R-3067-7004-VB; LP; FP
S-4	311+42.00	LT-15.00	H INLET	1005.92	1002.18	3.74	W/ R-3067-7004-V; FP
S-5	311+41.00	RT-14.50	H INLET	1006.35	1002.72	3.63	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	11	1000.26	1000.30	0.50%	24"	RCP	VERIFY E.I.(N)
P-2	S-2	S-3	38.5	1001.04	1001.40	1.00%	15"	RCP	-
P-2A	S-2	S-2A	38	1001.04	1001.74	2.00%	15"	RCP	-
P-2B	S-2A	S-2B	10	1001.99	1002.13	2.00%	12"	RCP	-
P-2C	S-2	S-2C	14.5	1000.30	1000.35	0.30%	24"	RCP	VERIFY E.I.(W)
P-3	S-3	S-4	30	1001.65	1002.18	2.00%	12"	RCP	-
P-4	S-4	S-5	29	1002.18	1002.72	2.00%	12"	RCP	-

STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
R-1	AS 3953-012	311+96.00	LT-19.00	CATCHBASIN	-
R-2	IN 3953-030	311+98.00	LT-31.50	TUB	-
R-3	IN 3953-018	311+62.70	LT-34.50	TUB	-
R-4	IN 3953-017	311+47.00	LT-15.50	TUB	-
R-5	AS 3953-013	311+89.00	RT-8.30	4X4 SAS	-
R-6	IN 3953-014	311+92.30	RT-14.50	TUB	-
R-7	IN 3953-015	311+86.00	RT-14.50	TUB	-
R-8	IN 3953-016	331+80.00	RT-14.50	TUB	-

STORM PIPE REMOVALS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
RP-1	STA 312+10.00	R-1 (AS 3953-012)	10	N	24"	VP	-
RP-2	R-1 (AS 3953-012)	STA 311+96.00	17	N	24"	VP	-
RP-3	R-1 (AS 3953-012)	R-2 (IN 3953-030)	15	Y	12"	VP	-
RP-4	R-1 (AS 3953-012)	R-3 (IN 3953-018)	39	Y-PARTIAL	12"	VP	20 LF TO BE PAID
RP-5	R-1 (AS 3953-012)	R-4 (IN 3953-017)	48	Y	12"	VP	-
RP-6	R-1 (AS 3953-012)	R-5 (AS 3953-013)	25	Y	12"	RCP	-
RP-7	R-5 (AS 3953-013)	R-6 (IN 3953-014)	12	Y	12"	VP	-
RP-8	R-5 (AS 3953-013)	R-7 (IN 3953-015)	10	Y	12"	VP	-
RP-9	R-5 (AS 3953-013)	R-8 (IN 3953-016)	14	Y	12"	VP	-

ADJUSTMENTS

ADJUST NO.	STRUCTURE NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING
ADJ-1	AS 3953-019	314+86.00	LT-17.00	CATCHBASIN	1003.50

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO L2	311+45.00	LT-18.50	GAS	-

SPECIFIC NOTES

(1) FIELD CONSTRUCTED 24" BEND PER BID ITEM 90031

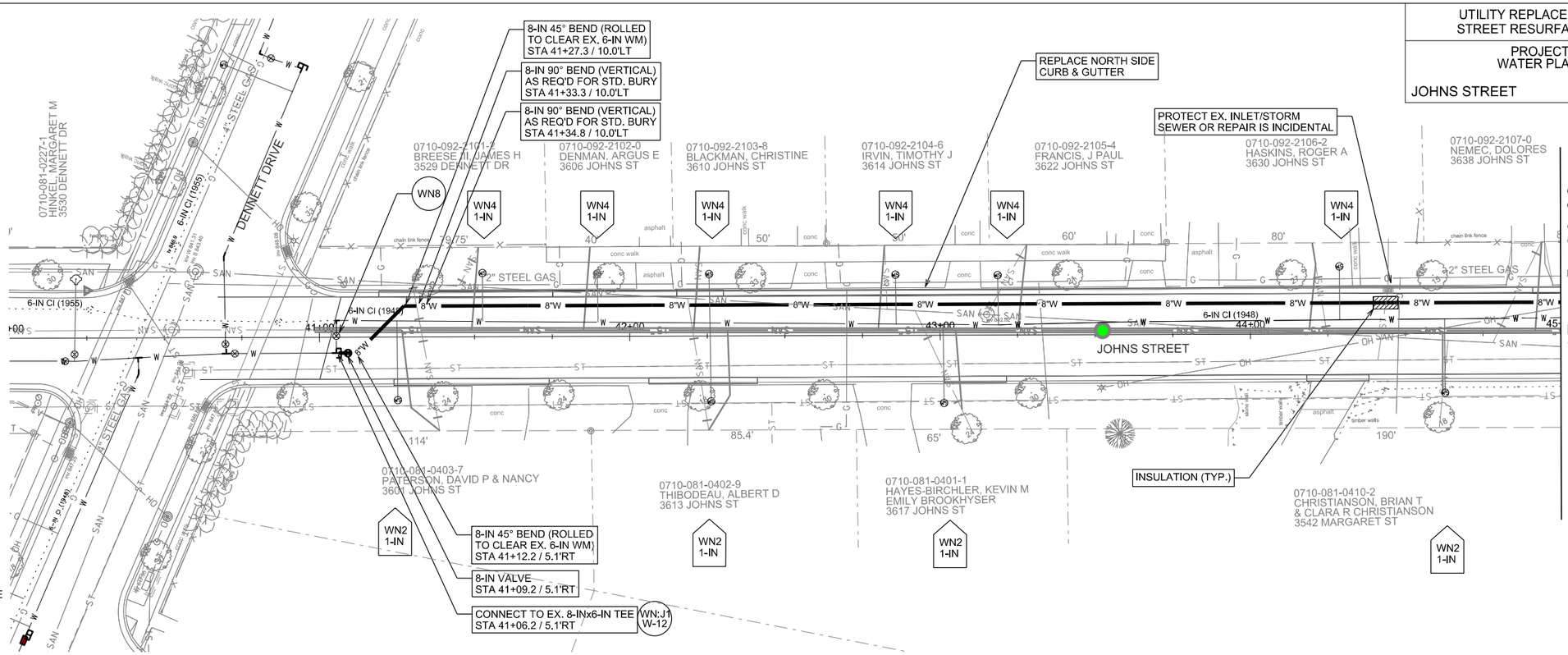
STANDARD NOTES:

- 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

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. W-1
PROJECT NO. 53W1672 WATER PLAN AND PROFILE	
JOHNS STREET	CITY OF MADISON



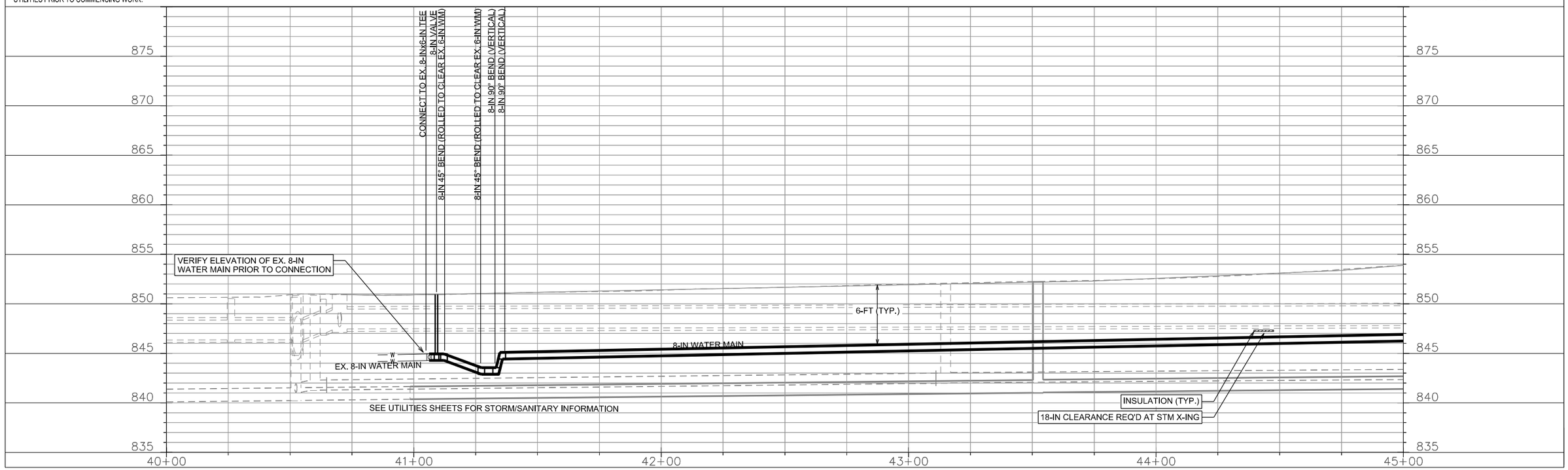
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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

DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.



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

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DATE: 2/21/2014

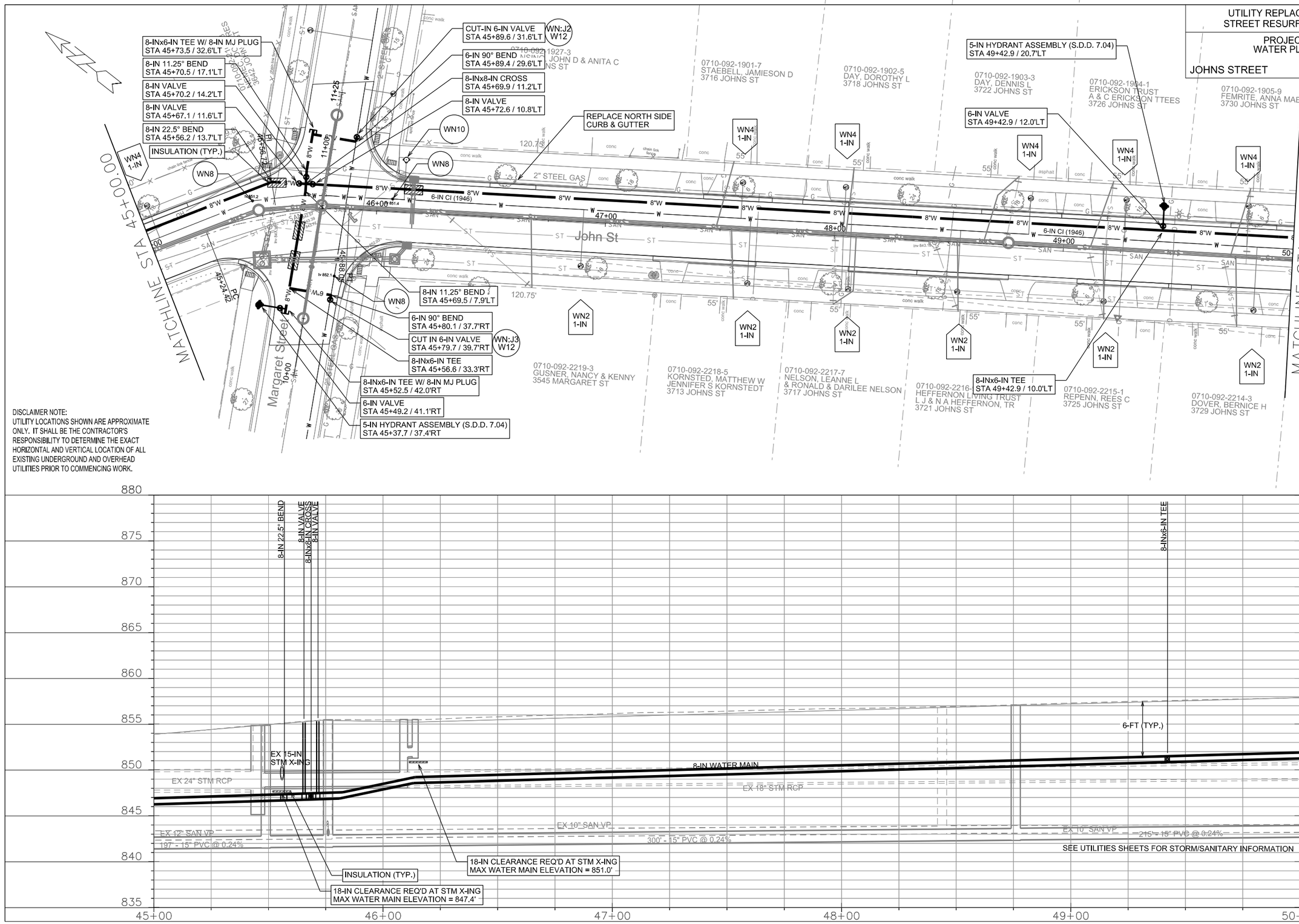
UTILITY REPLACMENT WITH STREET RESURFACING - 2014

SHEET NO. W-2

PROJECT NO. 53W1672
WATER PLAN AND PROFILE

JOHNS STREET

CITY OF MADISON



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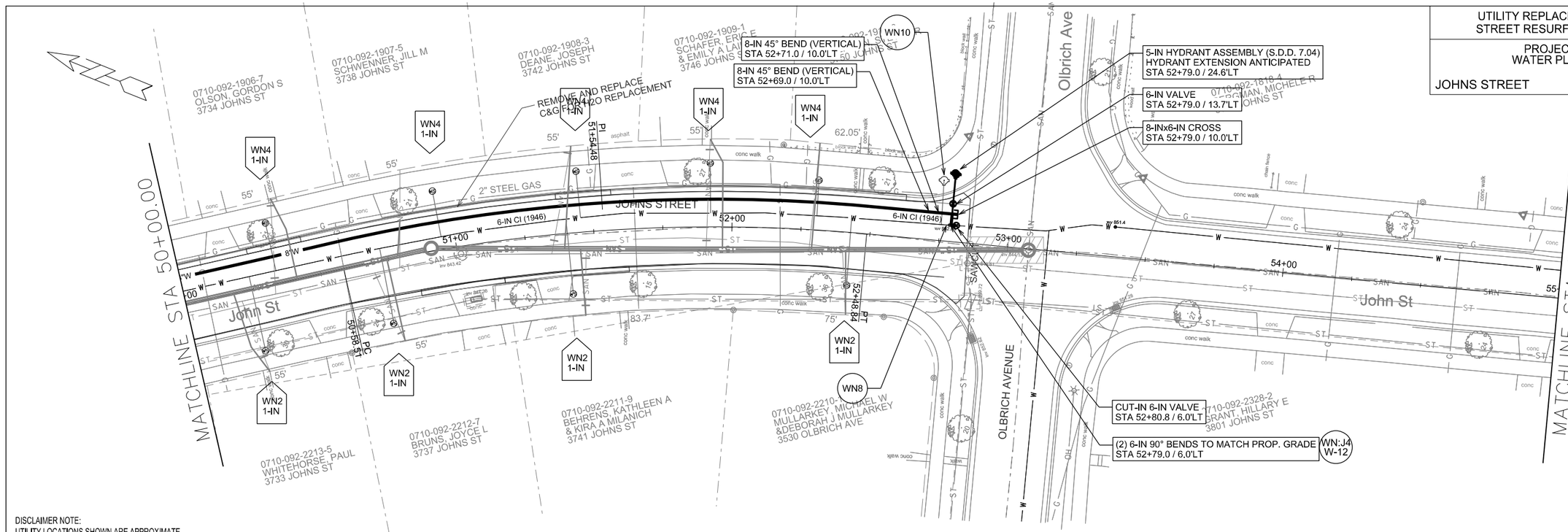
MEMBER ONE CALL SYSTEMS INTERNATIONAL

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

FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Water\Design\53W1672WU-PnP##2.dgn

DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. W-3
PROJECT NO. 53W1672 WATER PLAN AND PROFILE	
JOHNS STREET	CITY OF MADISON



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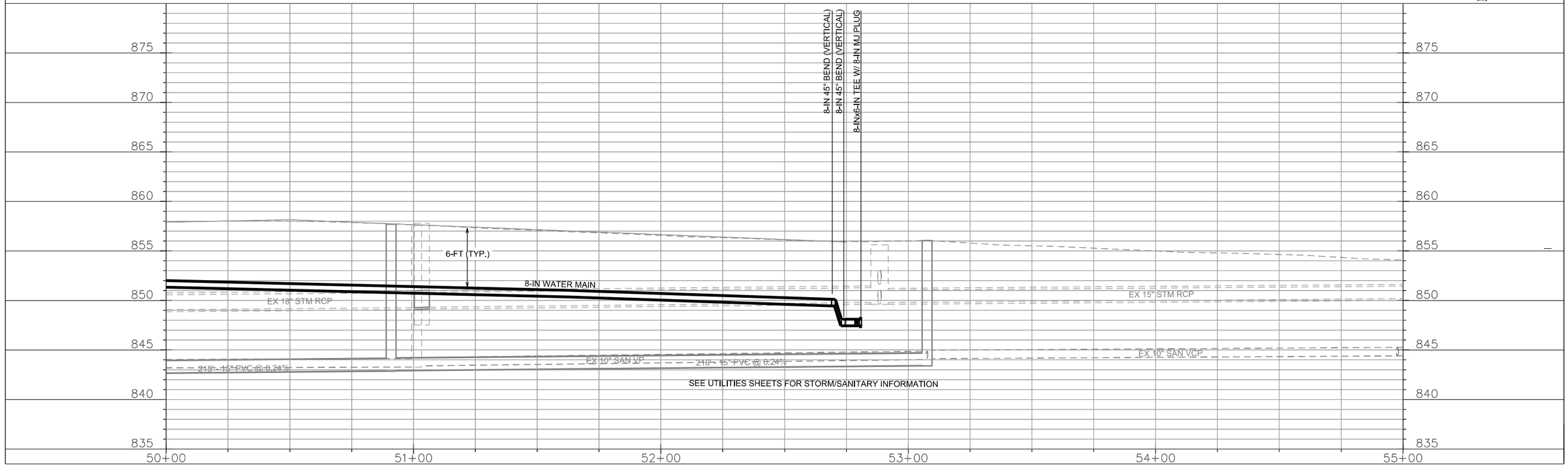

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DATE: 2/21/2014

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

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014

SHEET NO. W-4

PROJECT NO. 53W1672
WATER PLAN AND PROFILE

HUXLEY STREET

CITY OF MADISON

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

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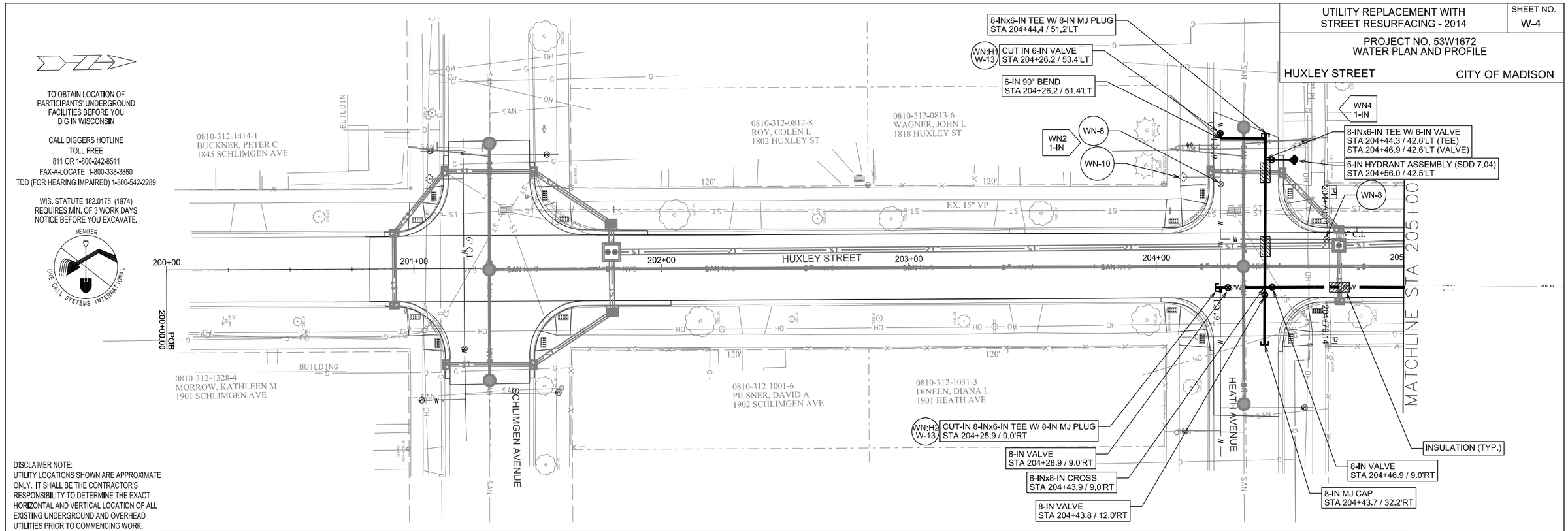
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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

MEMBER ONE CALL SYSTEMS INTERNATIONAL



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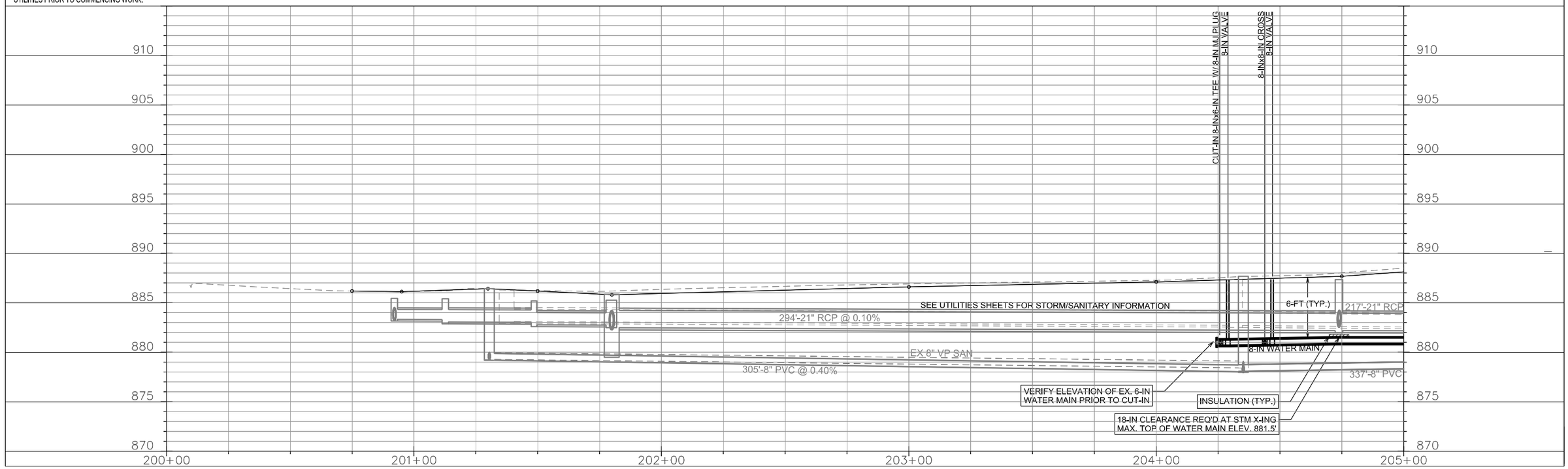

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PLOT NAME: ____
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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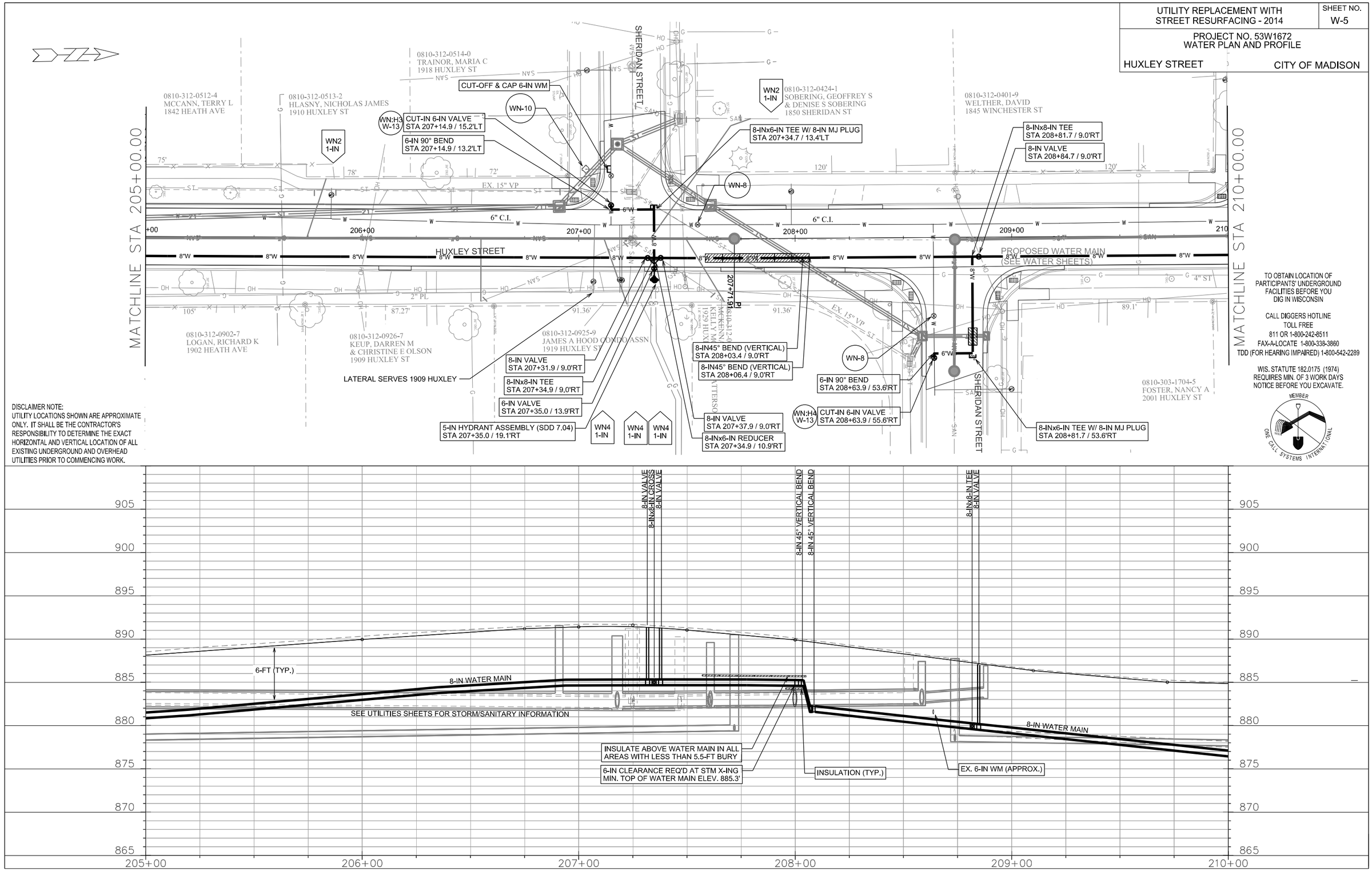
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. W-5
PROJECT NO. 53W1672 WATER PLAN AND PROFILE	
HUXLEY STREET	CITY OF MADISON



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PLOT SCALE: ____
PLOT NAME: ____
REV. DATE: ____
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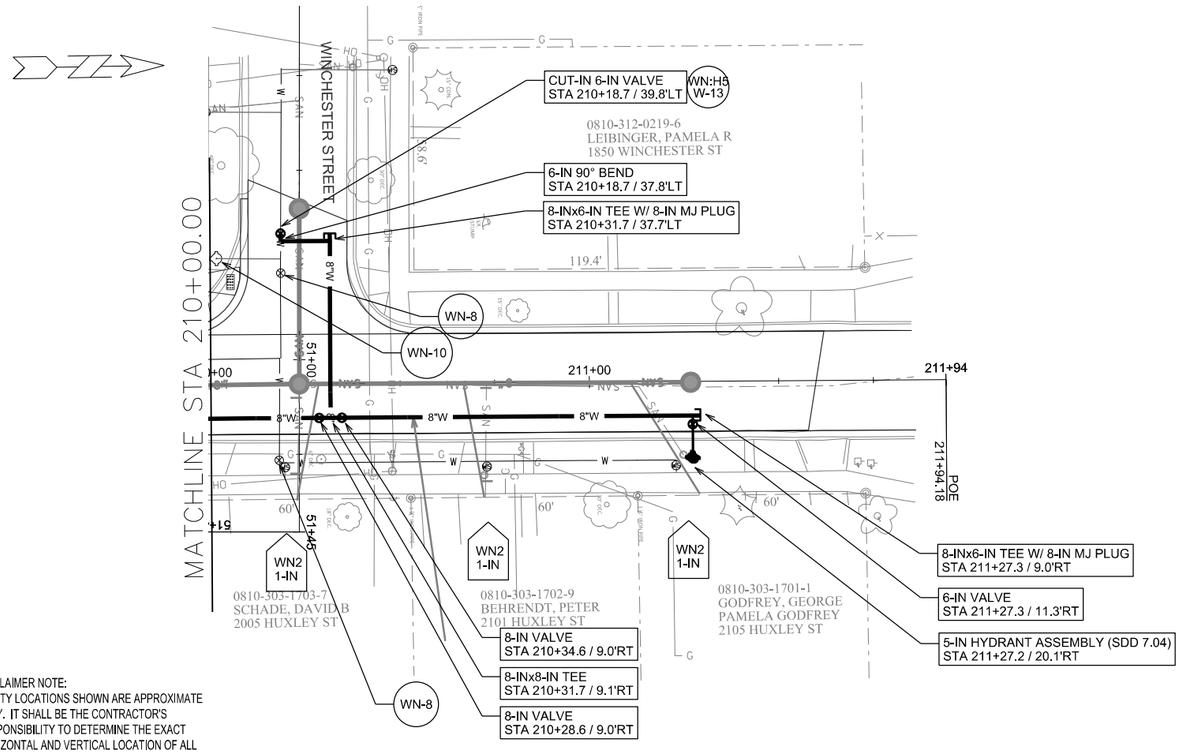
FILE NAME: M:\DESIGN\Projects\53W1672\Huxley\Water\Design\53W1672WU-PnPHUX2.dgn

DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. W-6
PROJECT NO. 53W1672 WATER PLAN AND PROFILE	
HUXLEY STREET	CITY OF MADISON



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

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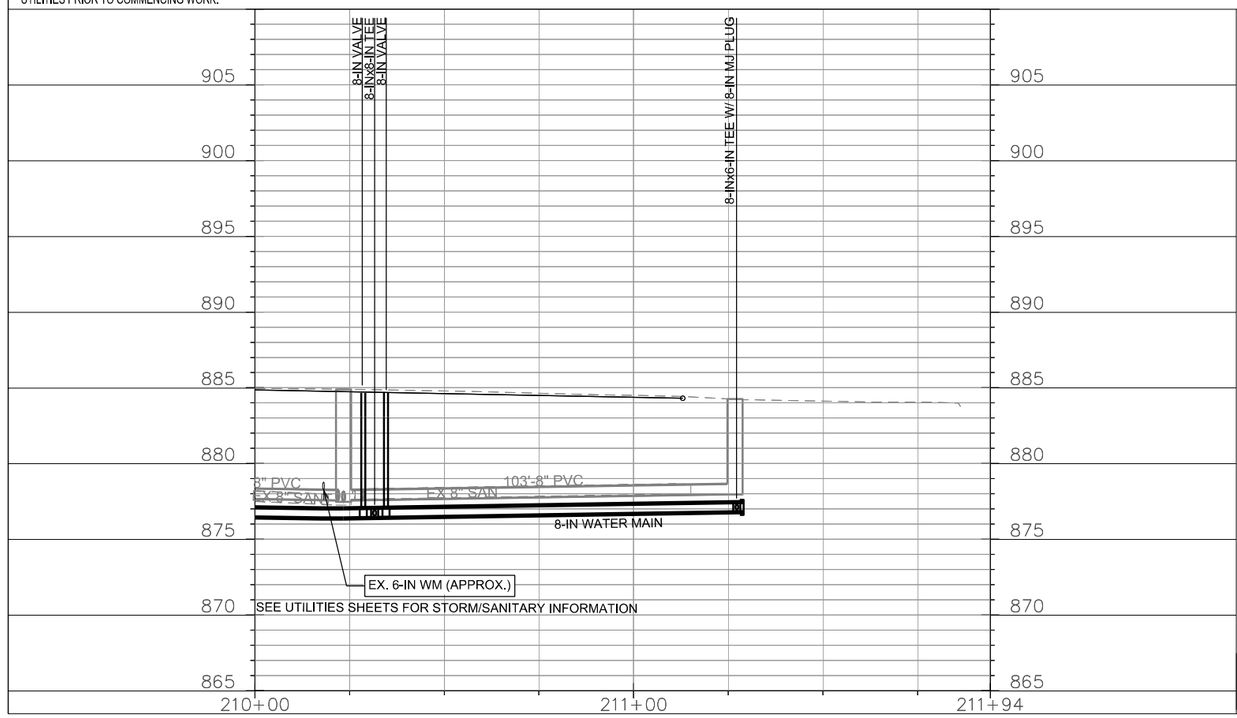
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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

MEMBER ONE CALL SYSTEMS INTERNATIONAL



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

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DATE: 2/21/2014

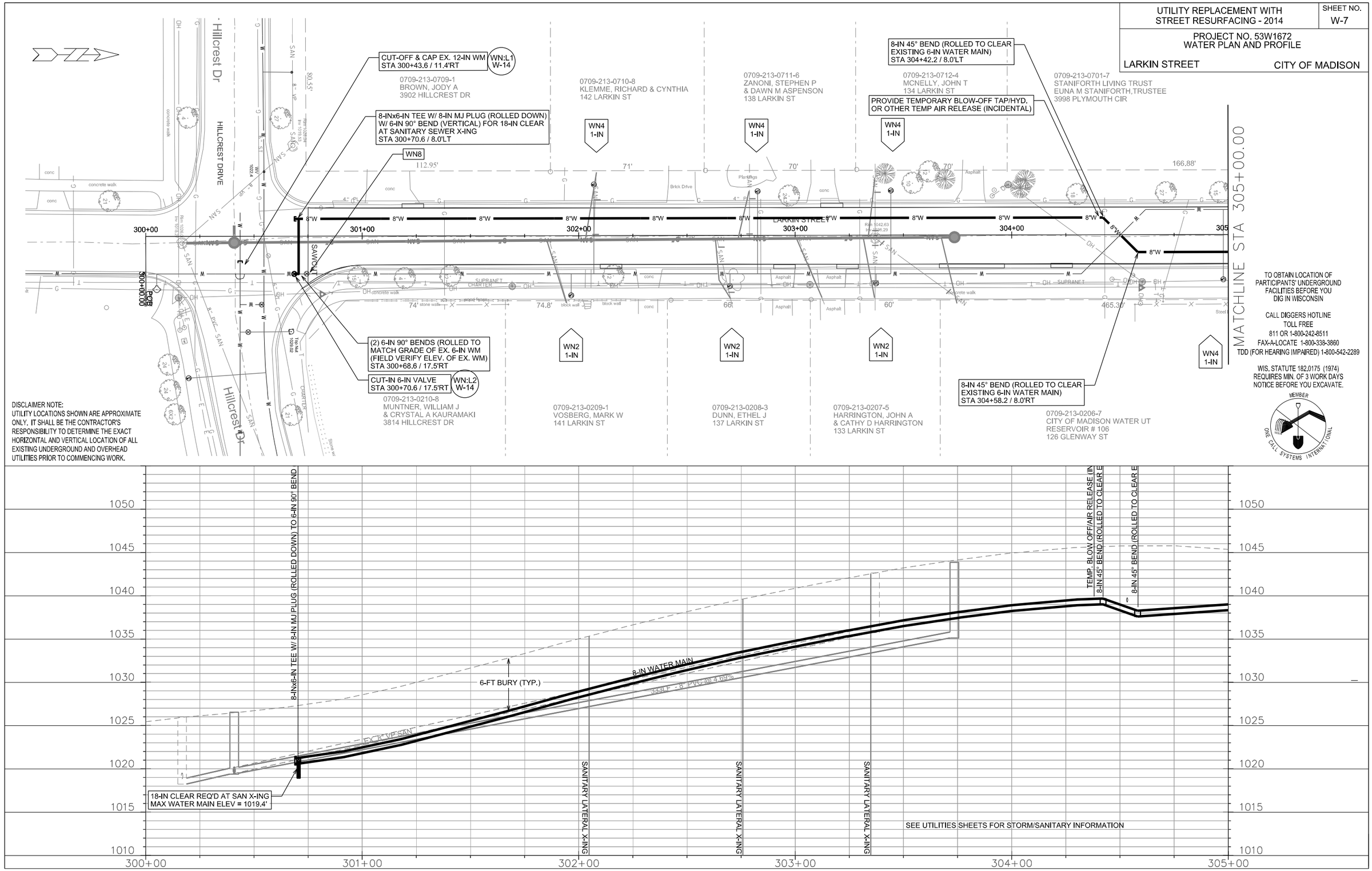
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014

SHEET NO. W-7

PROJECT NO. 53W1672
WATER PLAN AND PROFILE

LARKIN STREET

CITY OF MADISON



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REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1672\Larkin\Water\Design\53W1672WU-PnPLARKIN1.dgn

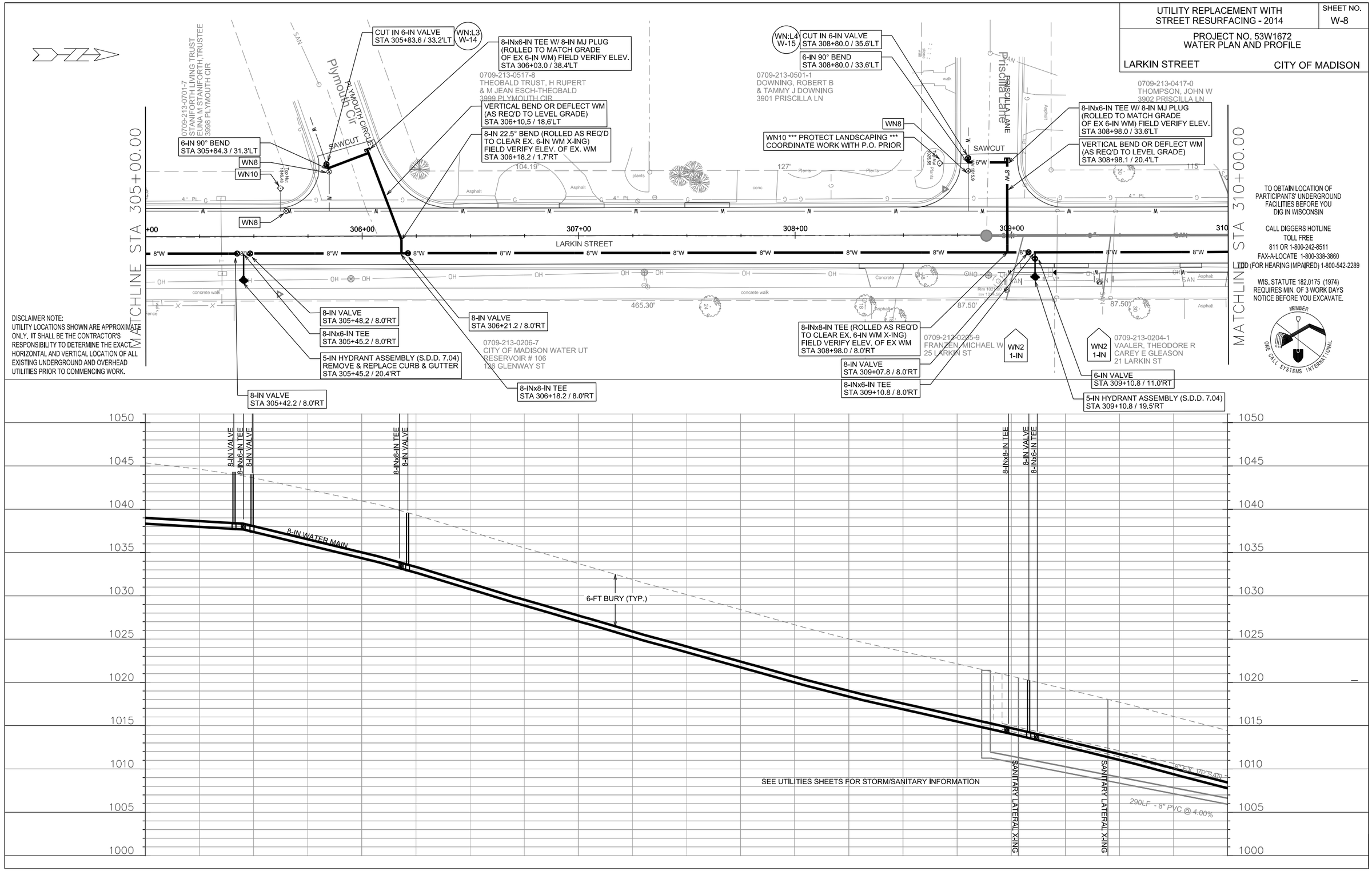
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014

SHEET NO. W-8

PROJECT NO. 53W1672
WATER PLAN AND PROFILE

LARKIN STREET — CITY OF MADISON



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

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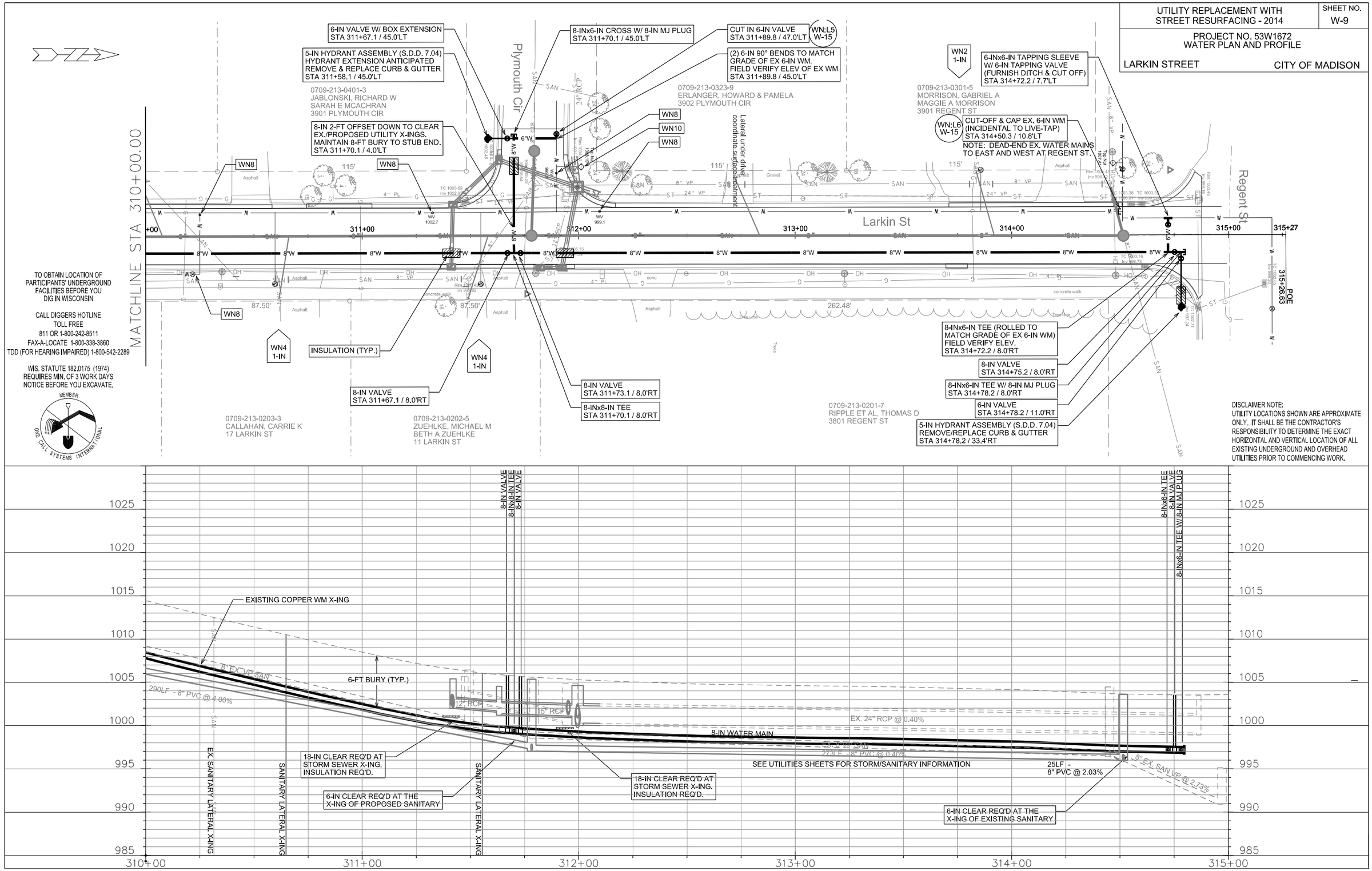
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. W-9
PROJECT NO. 53W1672 WATER PLAN AND PROFILE	
LARKIN STREET	CITY OF MADISON



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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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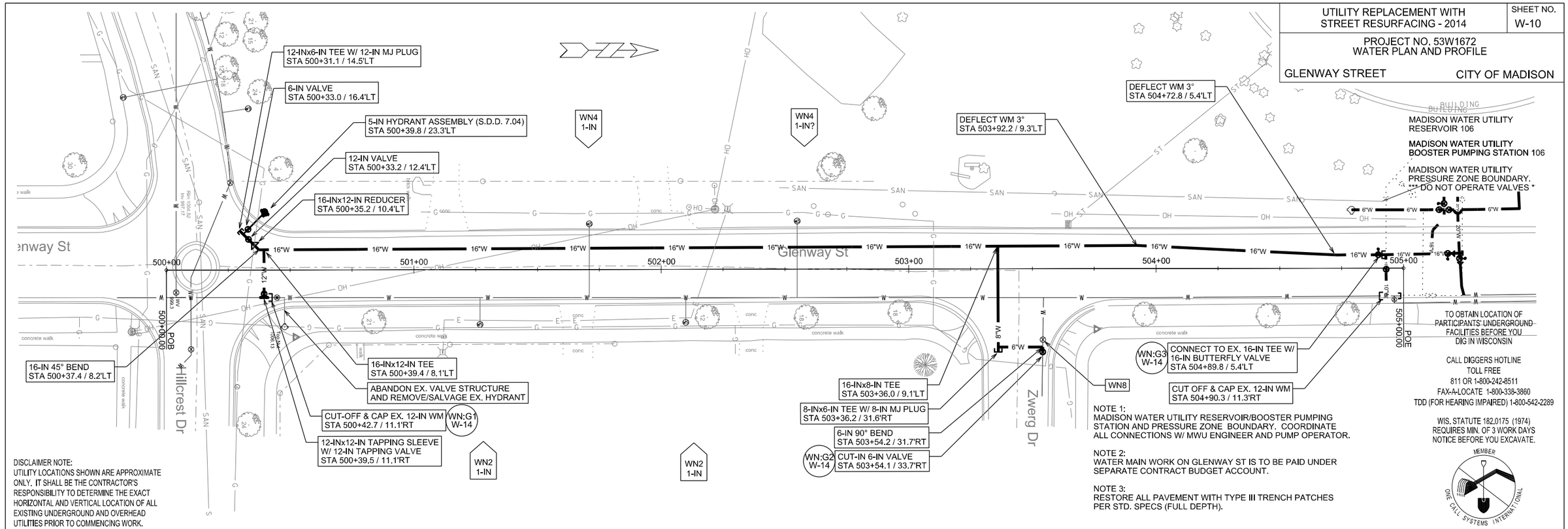
DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. W-10
PROJECT NO. 53W1672 WATER PLAN AND PROFILE	
GLENWAY STREET	CITY OF MADISON



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NOTE 1:
MADISON WATER UTILITY RESERVOIR/BOOSTER PUMPING STATION AND PRESSURE ZONE BOUNDARY. COORDINATE ALL CONNECTIONS W/ MWU ENGINEER AND PUMP OPERATOR.

NOTE 2:
WATER MAIN WORK ON GLENWAY ST IS TO BE PAID UNDER SEPARATE CONTRACT BUDGET ACCOUNT.

NOTE 3:
RESTORE ALL PAVEMENT WITH TYPE III TRENCH PATCHES PER STD. SPECS (FULL DEPTH).

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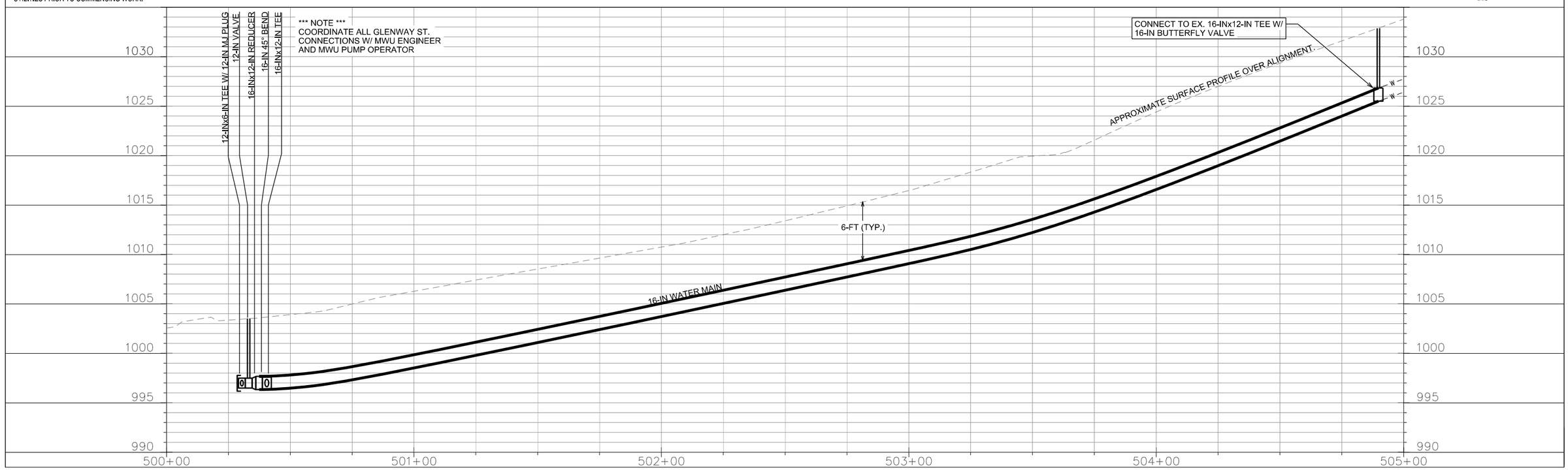

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PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1672\Larkin\Water\Design\53W1672WU-PnPGLENWAY.dgn

DATE: 2/20/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. W-11

PROJECT NO. 53W1672
WATER ESTIMATE OF MATERIALS

JOHNS ST / HUXLEY ST / LARKIN ST / GLENWAY ST

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.

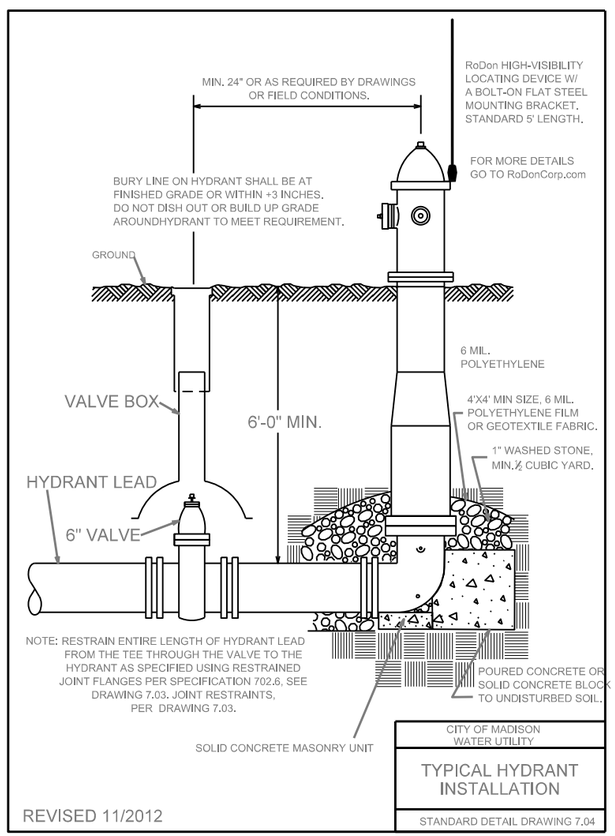
WN8 - ABANDON THE VALVE BOX.

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

WN:J# / **WN:H#** / **WN:L#** / **WN:G#** - SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTFICATION INFORMATION.



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ESTIMATE OF MATERIALS:

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

MATERIALS ESTIMATE	JOHNS				HUXLEY				LARKIN				TOTAL	GLENWAY		TOTAL (BOTH ACCOUNTS)	
	W1	W2	W3	TOTAL	W4	W5	W6	TOTAL	W7	W8	W9	TOTAL		W10	TOTAL		
(6-IN) D.I. PIPE		60	20	80	30	50	25	105	30	65	80	175	360	35	35	395	LF
(8-IN) D.I. PIPE	405	590	285	1280	160	570	180	910	440	595	535	1570	3760	45	45	3805	LF
(12-IN) D.I. PIPE				0				0				0	0	30	30	30	LF
(16-IN) D.I. PIPE				0				0				0	0	455	455	455	LF
(5 1/4-IN) HYDRANT ASSEMBLY		2	1	3	1	1	1	3		2	2	4	10	1	1	11	EA
HYDRANT EXTENSION			1	1				0			1	1	2		0	2	EA
(6-IN) GATE VALVE & BOX		4	2	6	2	3	2	7	1	3	3	7	20	2	2	22	EA
(8-IN) GATE VALVE & BOX	1	3		4	3	3	2	8		4	3	7	19		0	19	EA
(12-IN) GATE VALVE & BOX				0				0				0	0	1	1	1	EA
(16-IN) BUTTERFLY VALVE & BOX				0				0				0	0	1	1	1	EA
VALVE BOX EXTENSION			1	1				0			1	1	2		0	2	EA
(6-IN) M.J. CAP	1			1		1		1				0	2		0	2	EA
(8-IN) M.J. CAP				0	1			1				0	1		0	1	EA
(12-IN) M.J. CAP				0				0	1			1	1	2	2	3	EA
(8-IN) M.J. PLUG		2	1	3	1	2	2	5	1	2	2	5	13	2	2	15	EA
(12-IN) M.J. PLUG		2	1	3				0				0	3	1	1	4	EA
(16-IN x 12-IN) TEE				0				0				0	0	1	1	1	EA
(16-IN x 8-IN) TEE				0				0				0	0	2	2	2	EA
(16-IN x 6-IN) TEE				0				0				0	0	1	1	1	EA
(8-IN x 6-IN) TEE		4		4	2	2	2	6	1	4	2	7	17	1	1	18	EA
(8-IN x 8-IN) TEE				0		1	1	2		2	1	3	5		0	5	EA
(8-IN x 6-IN) CROSS			1	1				0			1	1	2		0	2	EA
(8-IN x 8-IN) CROSS		1		1	1	1		2				0	3		0	3	EA
(16-IN x 12-IN) REDUCER				0				0				0	0	1	1	1	EA
(8-IN x 6-IN) REDUCER				0		1		1				0	1		0	1	EA
(8-IN) 24-IN OFFSET				0				0			1	1	1		0	1	EA
(8-IN) 11.25-DEG BEND		2		2				0		1		1	3		0	3	EA
(6-IN) 22.5-DEG BEND				0				0				0	0		0	0	EA
(8-IN) 22.5-DEG BEND		1		1				0		2		2	3		0	3	EA
(8-IN) 45-DEG BEND	2		2	4		2		2	2			2	8		0	8	EA
(16-IN) 45-DEG BEND				0				0				0	0	1	1	1	EA
(6-IN) 90-DEG BEND		2	2	4	1	2	1	4	3	2	2	7	15	1	1	16	EA
(8-IN) 90-DEG BEND	2			2				0				0	2		0	2	EA
(4-FTx8-FT) INSULATION	1	4		5	3	7		10			3	3	18		0	18	EA
TEMP. BLOW-OFF				0				0	1			1	1		0	1	EA
MISC. QUANTITIES ESTIMATE																	
(1-IN) WN2	30	30	25	85	20	35	45	100	80	40	20	140	325	45	45	370	LF
(1-IN) WN4	6	6	5	17	1	3		4	4		2	6	27	2	2	29	EA
WN6 ABN VLV STRUCTURE				0				0				0	0	1	1	1	EA
WN8 ABN VLV	1	3	1	5	2	2	2	6	1	3	5	9	20	1	1	21	EA
WN10 ABN HYD		1	1	2	1	1	1	3		2	1	3	8	1	1	9	EA
CUT-IN / CONNECT-TO	1	2	1	4	2	2	1	5	1	2	1	4	13	2	2	15	EA
CUT-OFF & CAP				0		1		1	1			1	2	1	1	3	EA
REMOVE & REPLACE C&G	382	515	273	1170			10	10		10	20	30	1210	10	10	1220	LF
(3-IN S.P.) TYPE III PATCH				0				0		100	30	130	130		0	130	SY
STD. SPEC. TYPE III PATCH			25	25				0	50			50	75	660	660	735	SY
FURNISH DITCH FOR LIVE-TAP				0				0			1	1	1	1	1	2	EA
											6X6			12x12			

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

FILE NAME: M:\DESIGN\Projects\53W1672\Larkin\Water\Design\53W1672WU-Materials##.dgn

DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. W-12
PROJECT NO. 53W1672 WATER IMPACT PLAN	
JOHNS STREET	CITY OF MADISON

DISCLAIMER NOTE:
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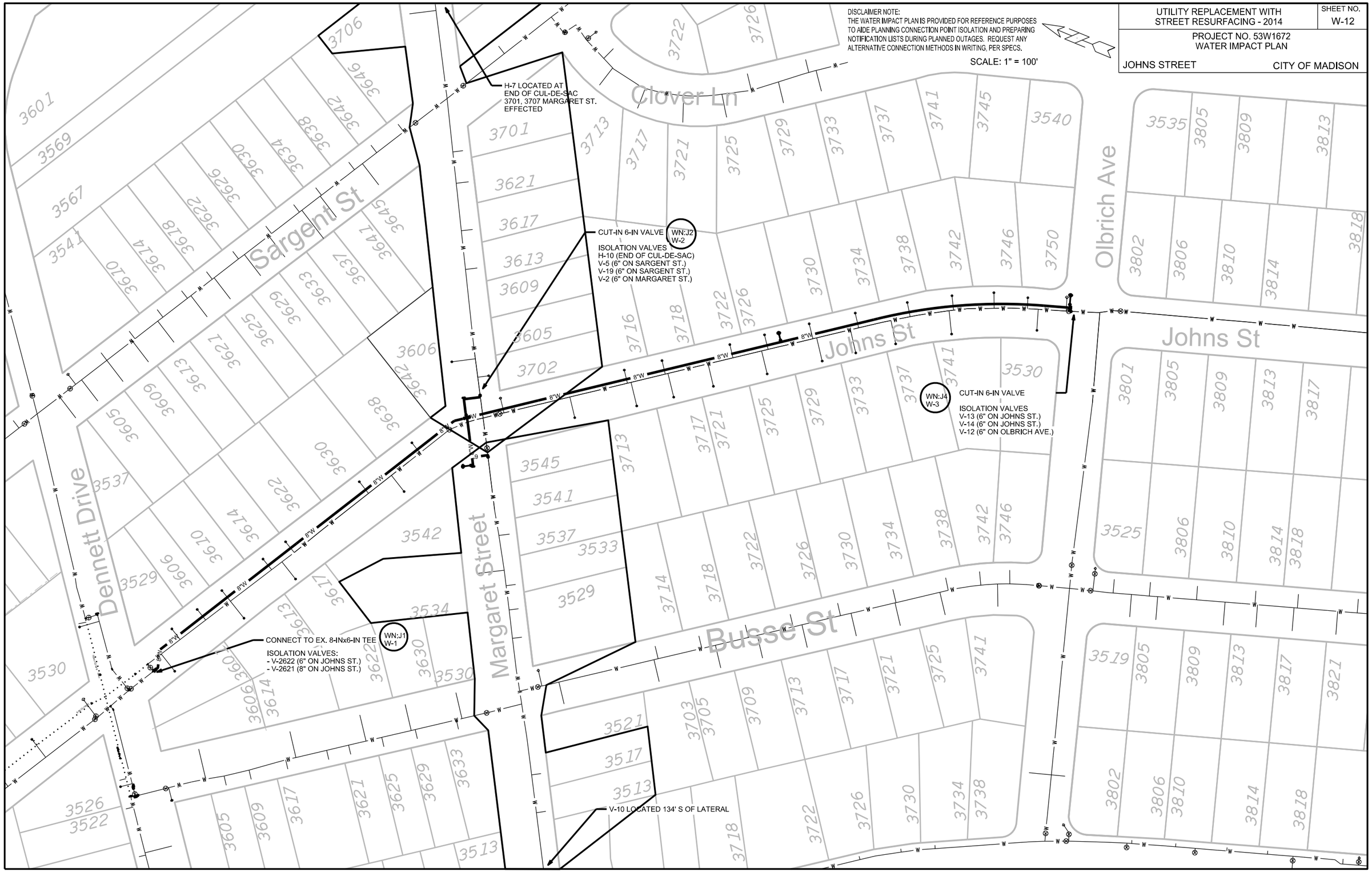
SCALE: 1" = 100'



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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014

SHEET NO. W-13

PROJECT NO. 53W1672
WATER IMPACT PLAN

HUXLEY ST

CITY OF MADISON

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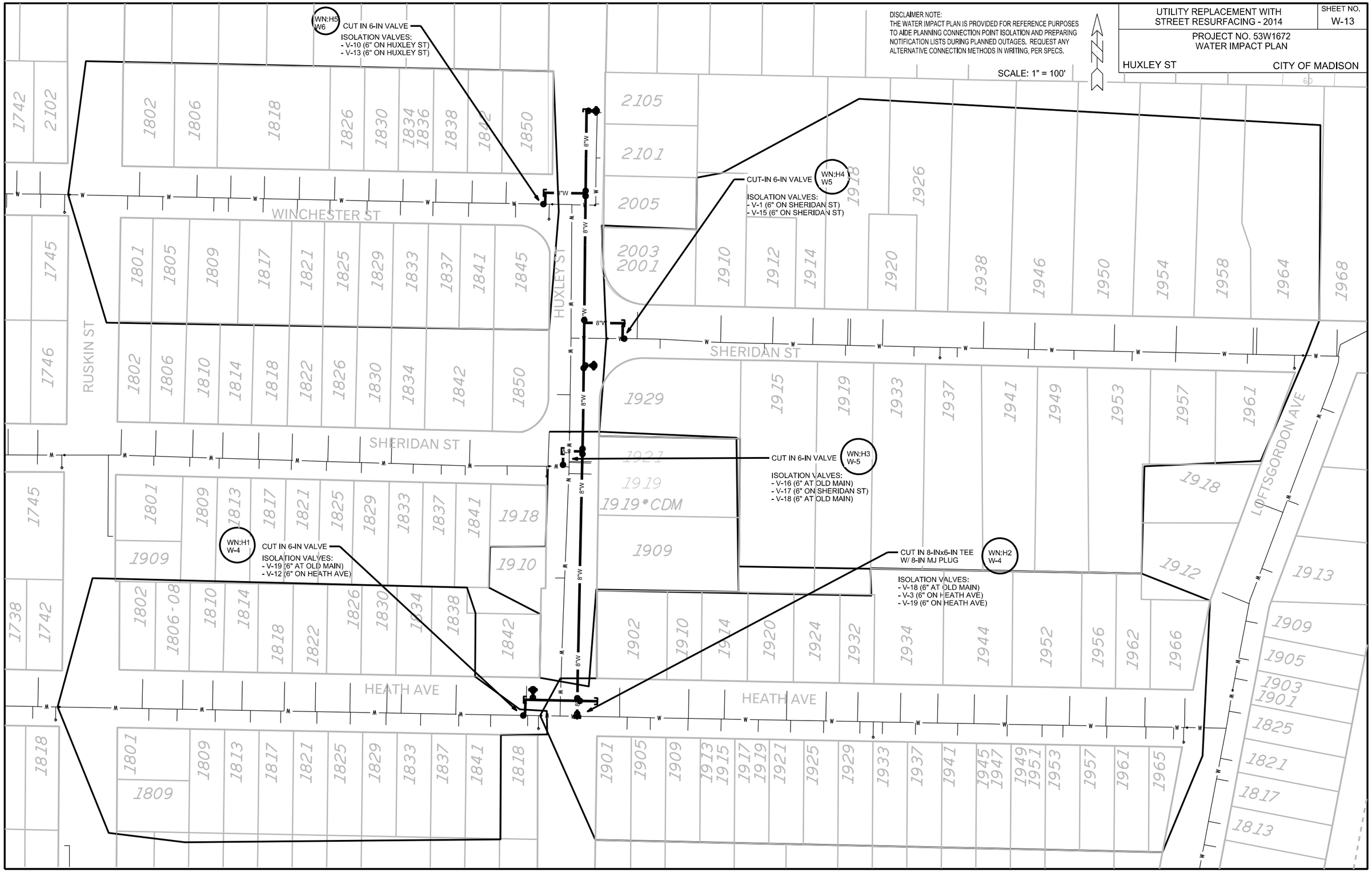
SCALE: 1" = 100'



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REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

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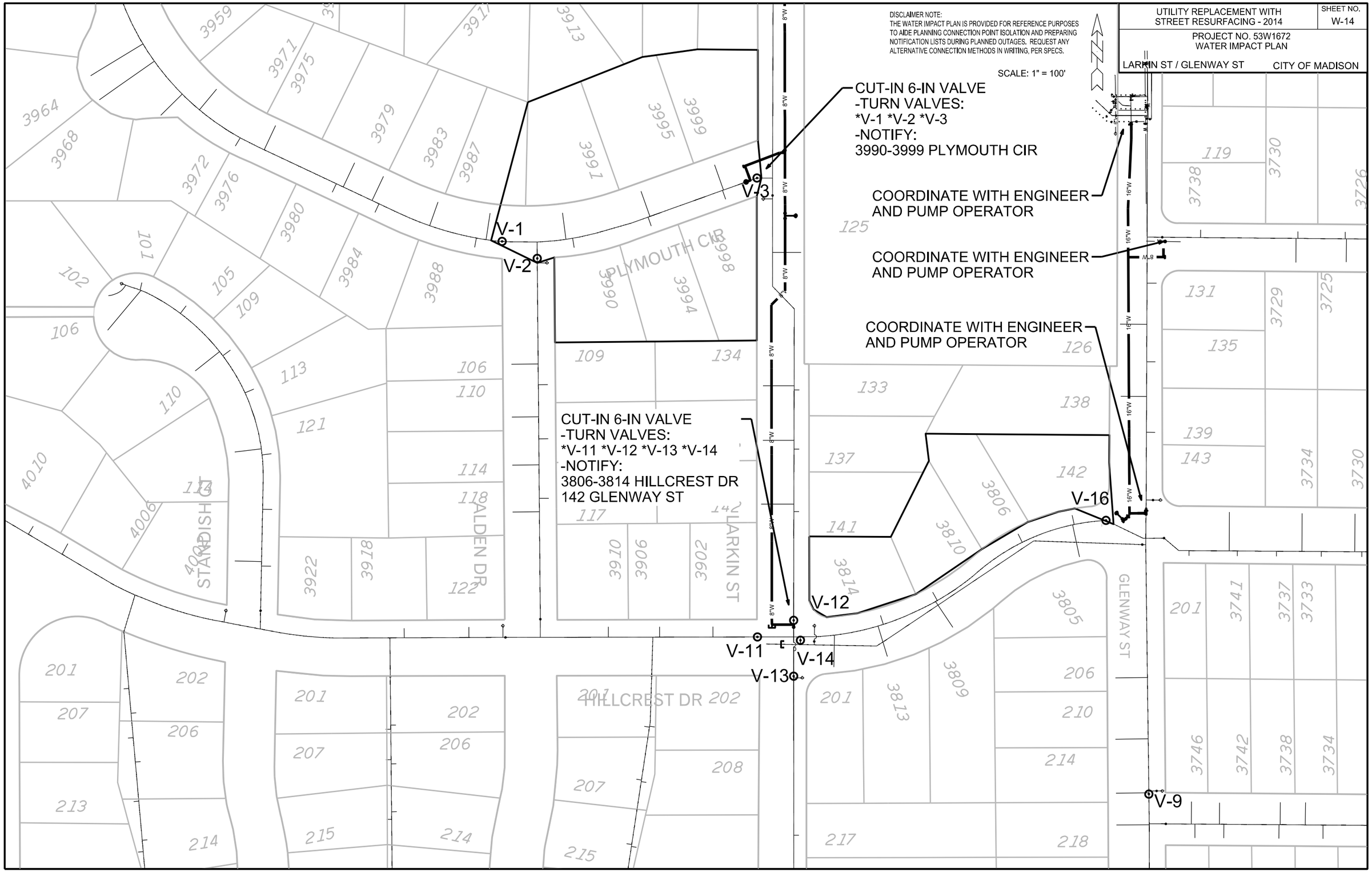
SCALE: 1" = 100'

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. W-14
PROJECT NO. 53W1672 WATER IMPACT PLAN	
LARKIN ST / GLENWAY ST	CITY OF MADISON



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

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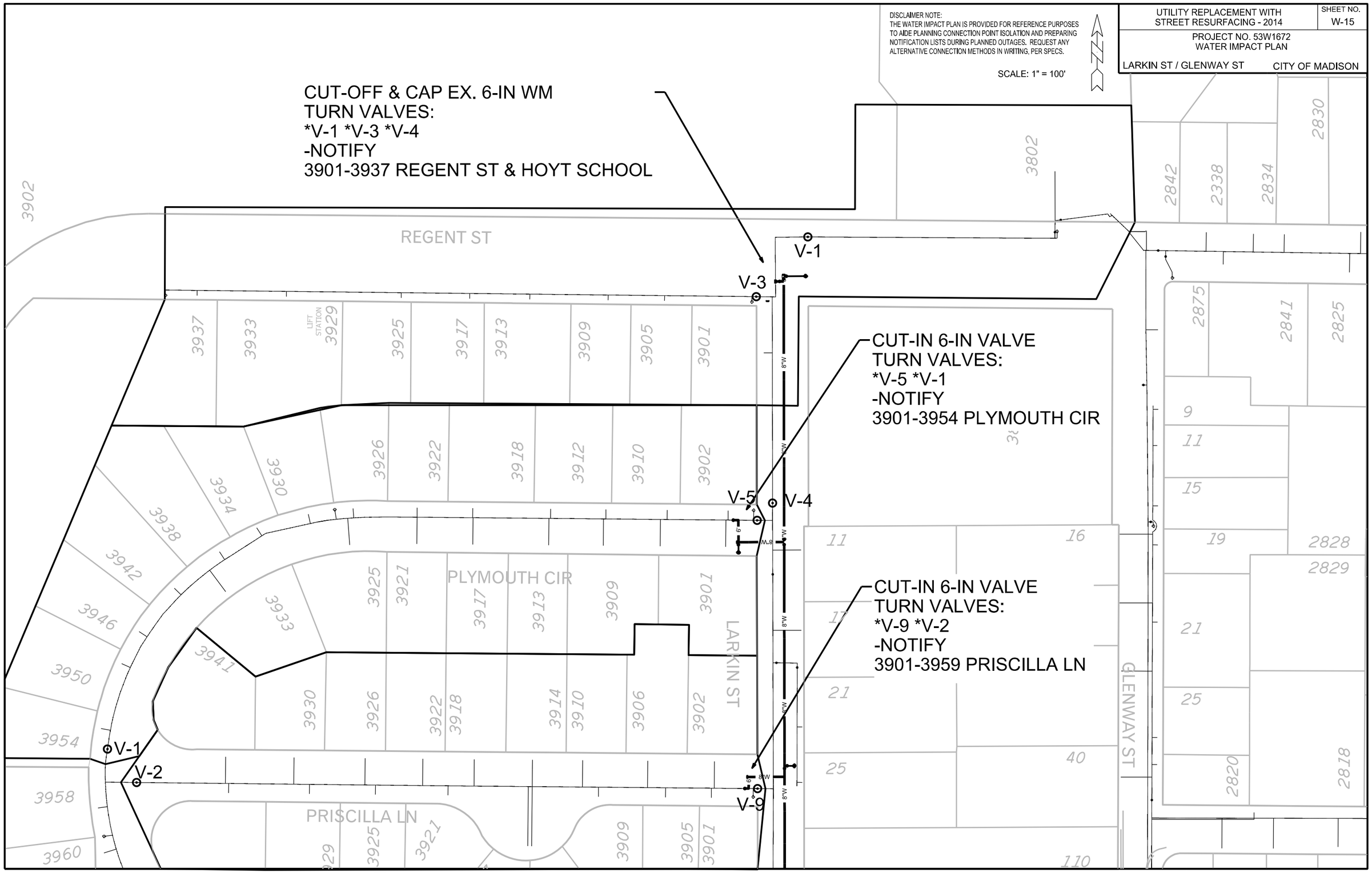
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. W-15
PROJECT NO. 53W1672 WATER IMPACT PLAN	
LARKIN ST / GLENWAY ST	CITY OF MADISON



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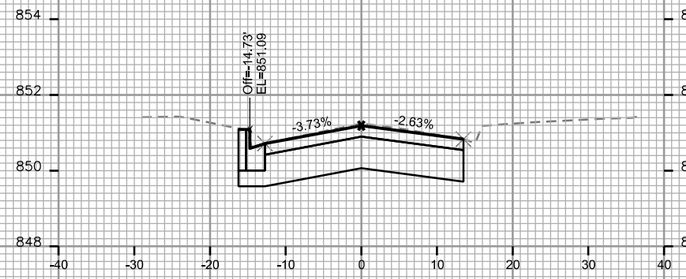
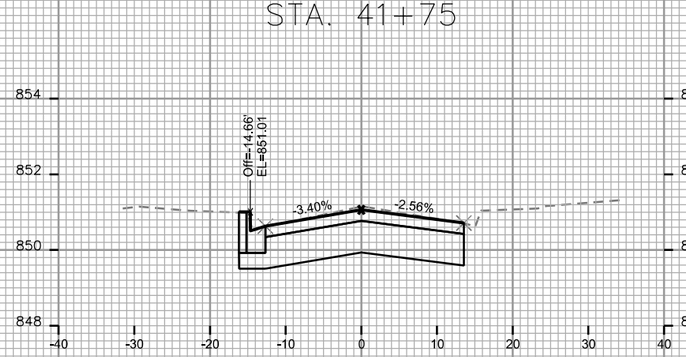
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

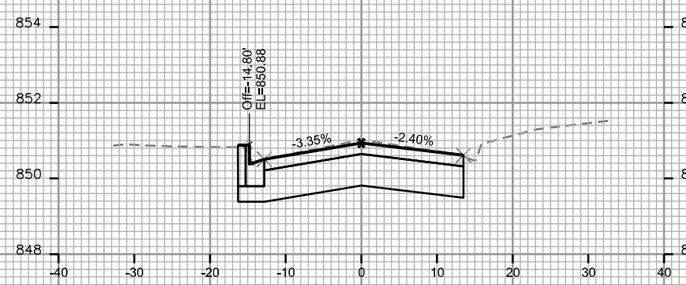
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. X-1
CROSS SECTIONS	
JOHNS STREET	CITY OF MADISON



STA. 41+75



STA. 41+50



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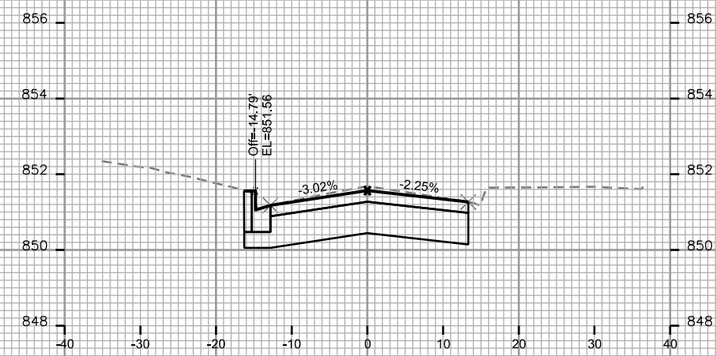

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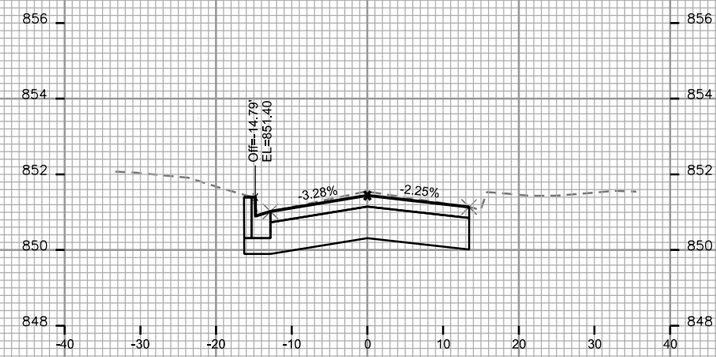

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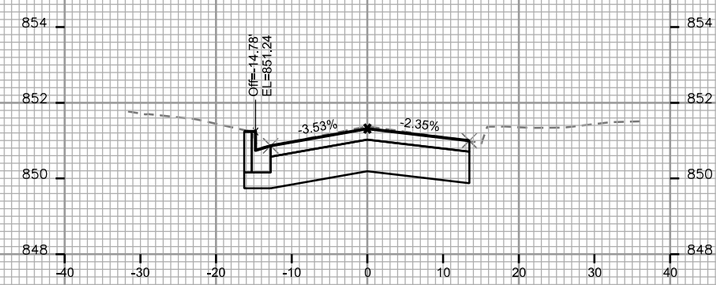

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PLOT SCALE: ____

PLOT NAME: ____

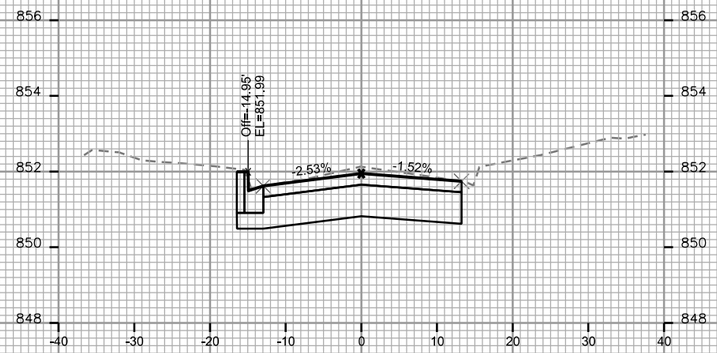
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Streets\Design\53W1672EN-XSection##.dgn

DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. X-2
CROSS SECTIONS	
JOHNS STREET	CITY OF MADISON



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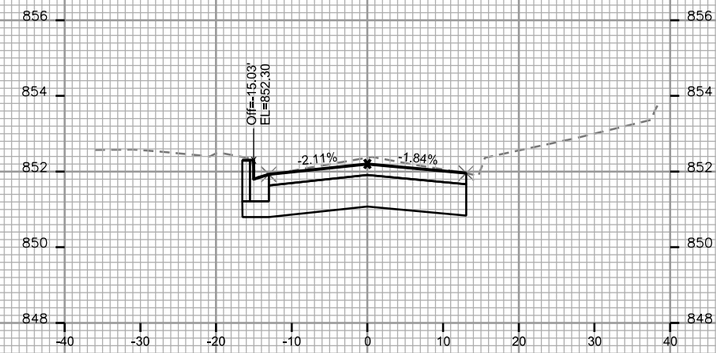

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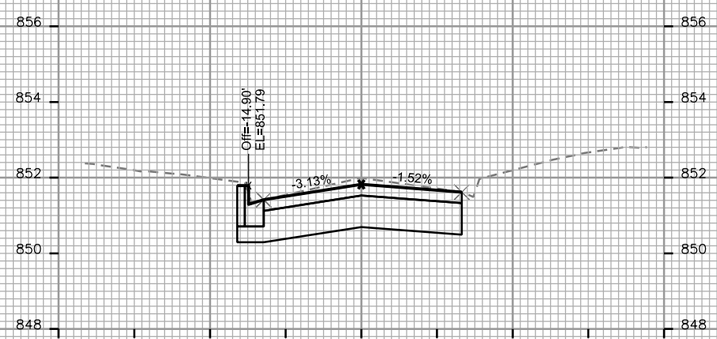
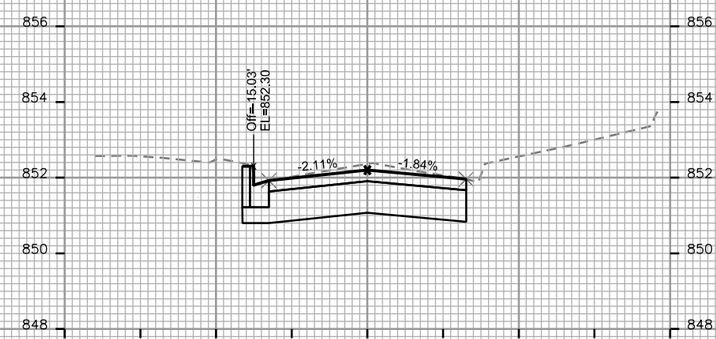
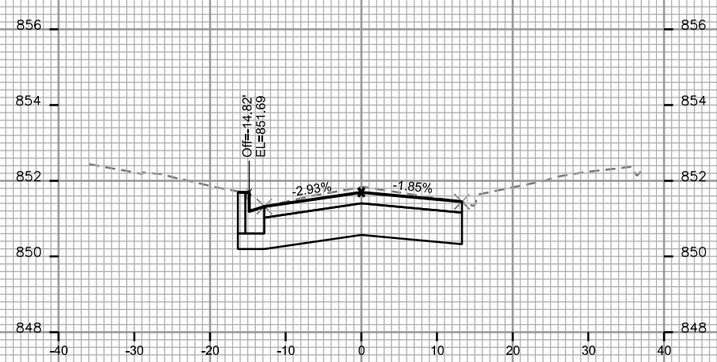


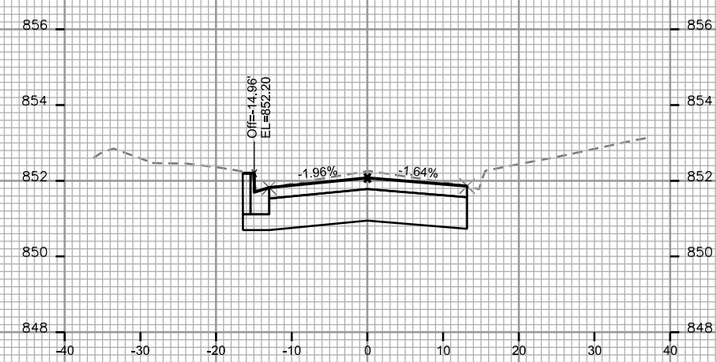
STA. 43+00



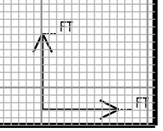
STA. 43+75



STA. 42+75



STA. 43+50



PLOT SCALE: ____

PLOT NAME: ____

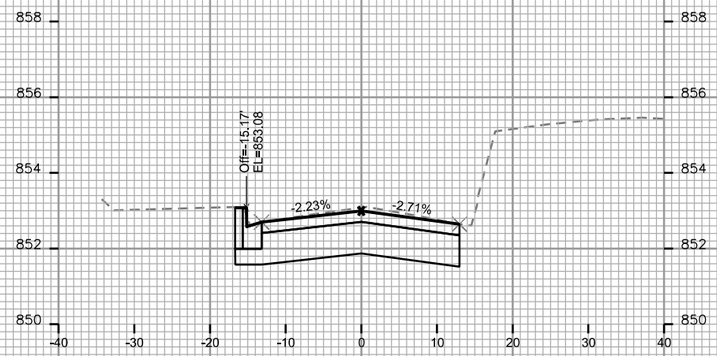
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

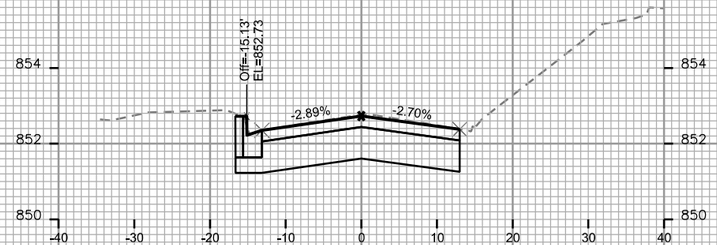
FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Streets\Design\53W1672EN-XSection##.dgn

DATE: 2/21/2014

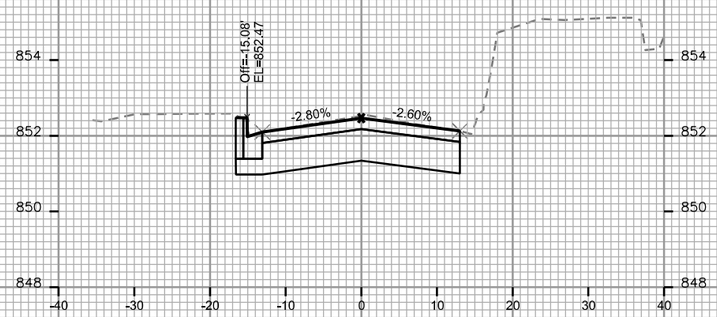
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. X-3
CROSS SECTIONS	
JOHNS STREET	CITY OF MADISON



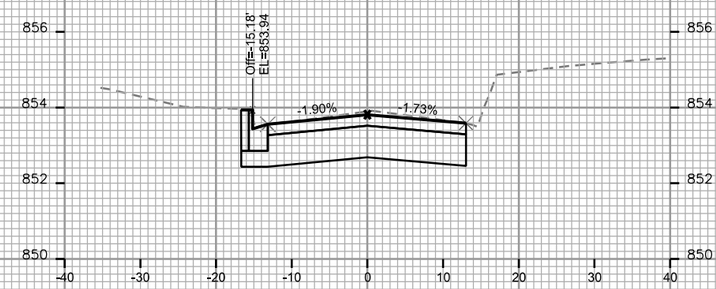
STA. 44+50



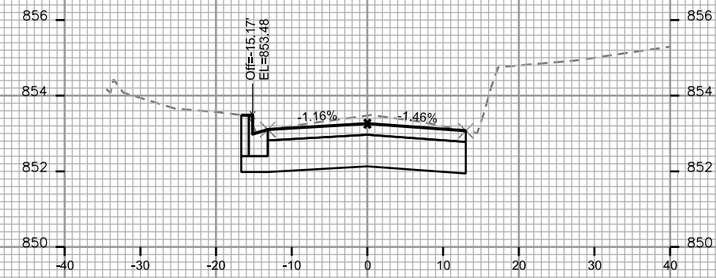
STA. 44+25



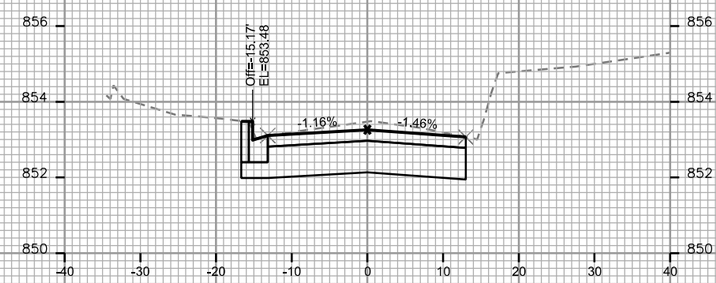
STA. 44+00



STA. 45+00



STA. 44+75



STA. 44+75

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

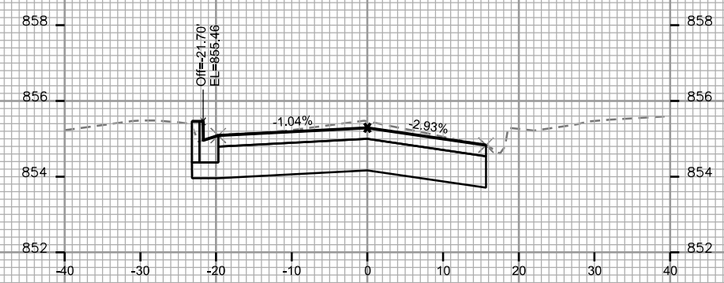
FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Streets\Design\53W1672EN-XSection##.dgn

DATE: 2/21/2014

UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. X-4
CROSS SECTIONS	
JOHNS STREET	CITY OF MADISON

INTERSECTION WITH MARGARET ST

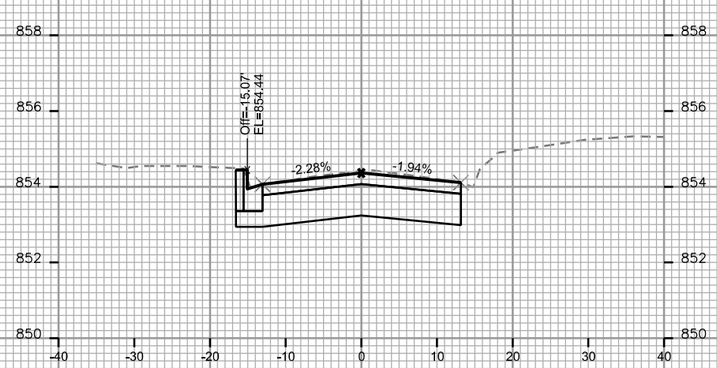
STA. 45+53



STA. 46+00

INTERSECTION WITH MARGARET ST

STA. 45+50



STA. 45+25

INTERSECTION WITH MARGARET ST

STA. 45+93

INTERSECTION WITH MARGARET ST

STA. 45+75

FT

FT

PLOT SCALE: ____

PLOT NAME: ____

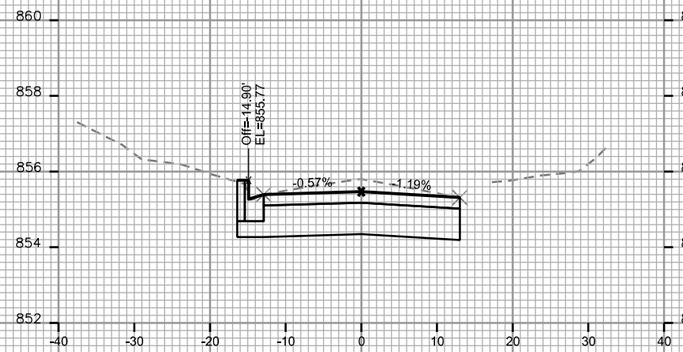
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

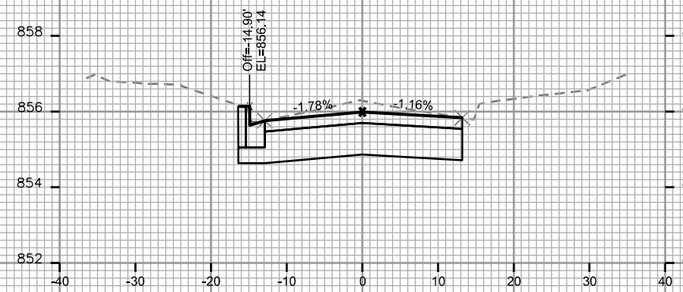
FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Streets\Design\53W1672EN-XSection##.dgn

DATE: 2/21/2014

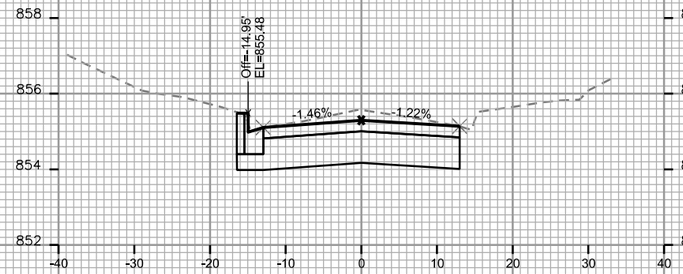
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. X-5
CROSS SECTIONS	
JOHNS STREET	CITY OF MADISON



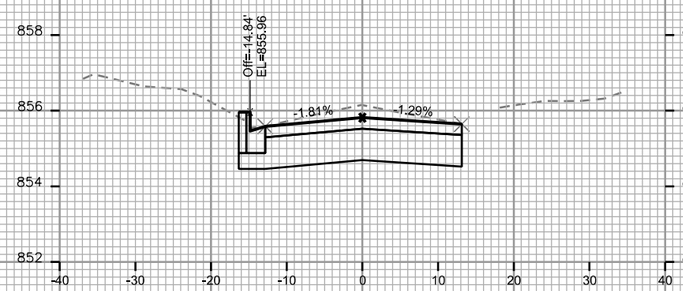
STA. 46+50



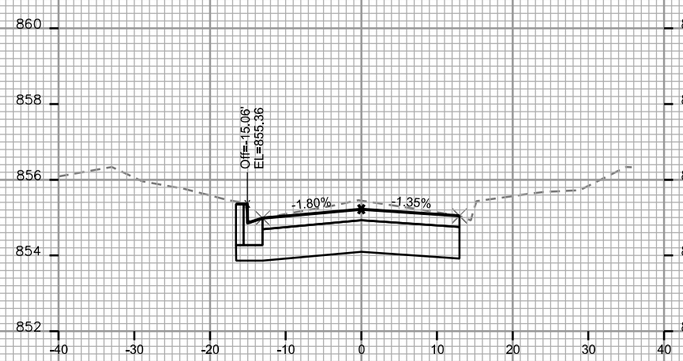
STA. 47+25



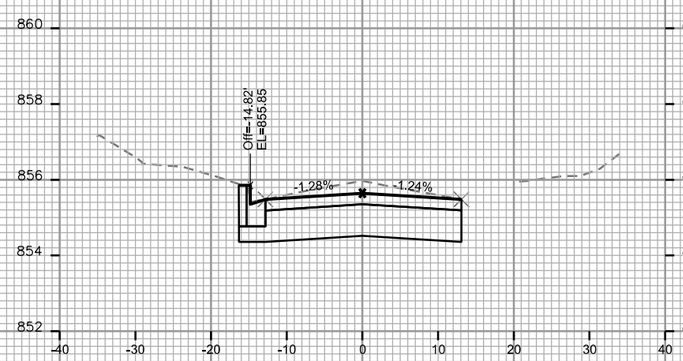
STA. 46+25



STA. 47+00



STA. 46+14



STA. 46+75

PLOT SCALE: ____

PLOT NAME: ____

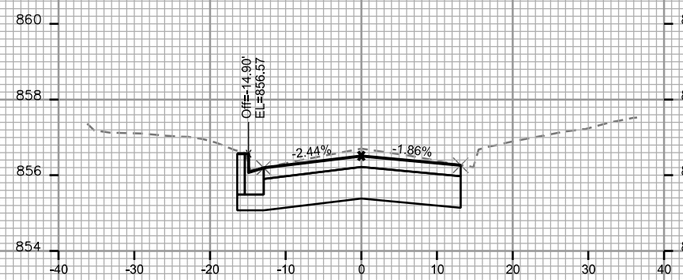
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

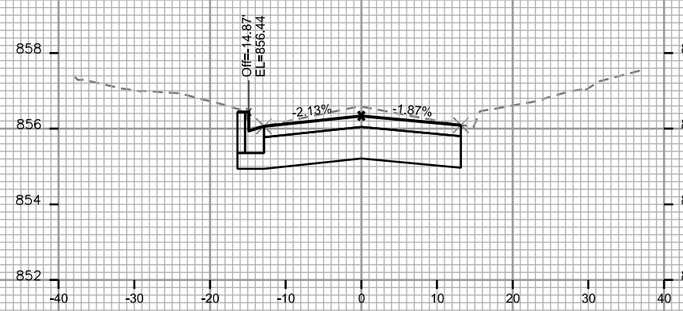
FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Streets\Design\53W1672EN-XSection##.dgn

DATE: 2/21/2014

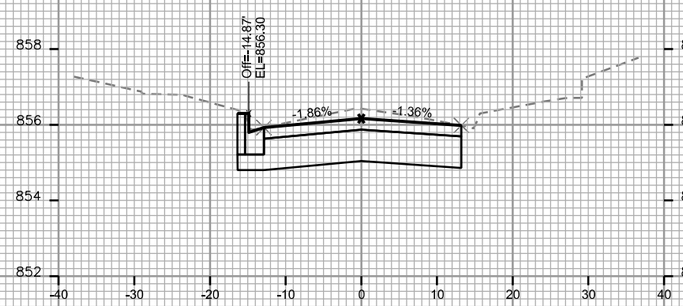
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. X-6
CROSS SECTIONS	
JOHNS STREET	CITY OF MADISON



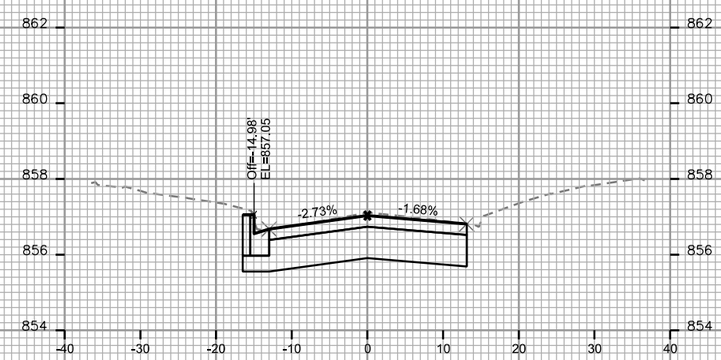
STA. 48+00



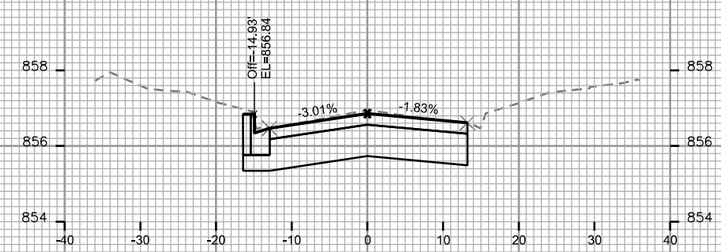
STA. 47+75



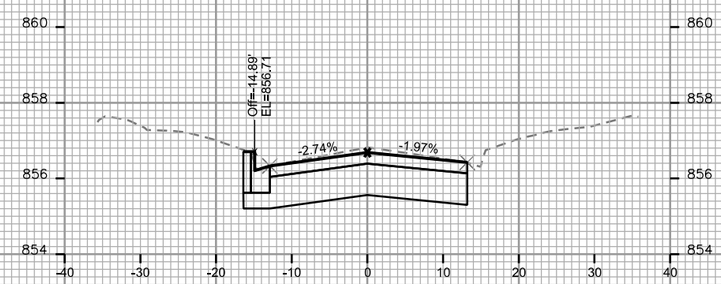
STA. 47+50



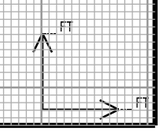
STA. 48+75



STA. 48+50



STA. 48+25



PLOT SCALE: ____

PLOT NAME: ____

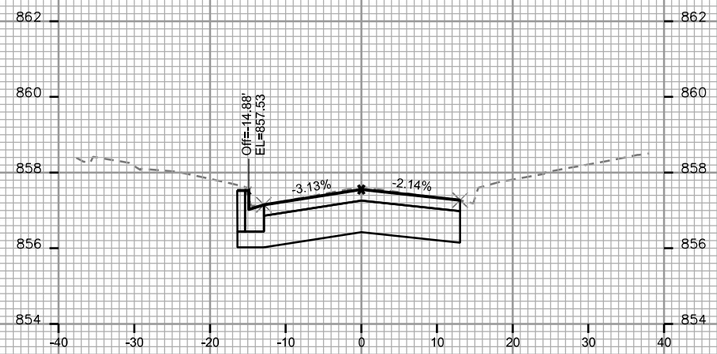
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

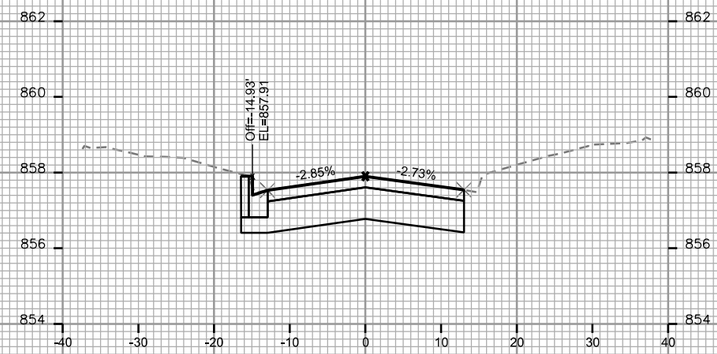
FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Streets\Design\53W1672EN-XSection##.dgn

DATE: 2/21/2014

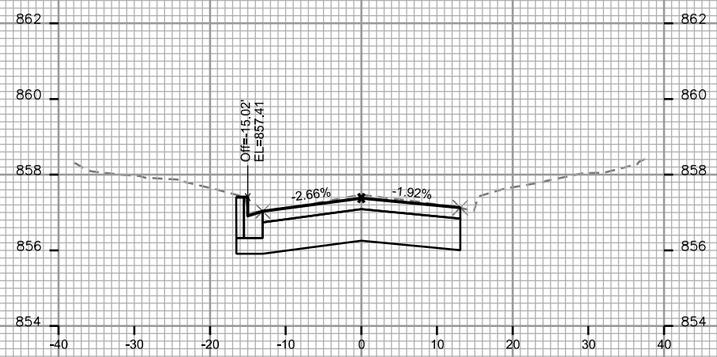
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. X-7
CROSS SECTIONS	
JOHNS STREET	CITY OF MADISON



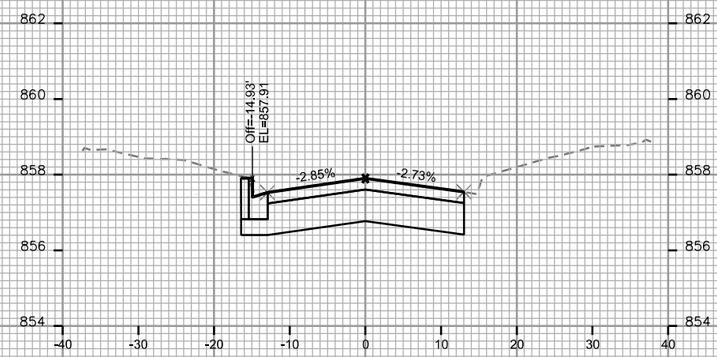
STA. 49+50



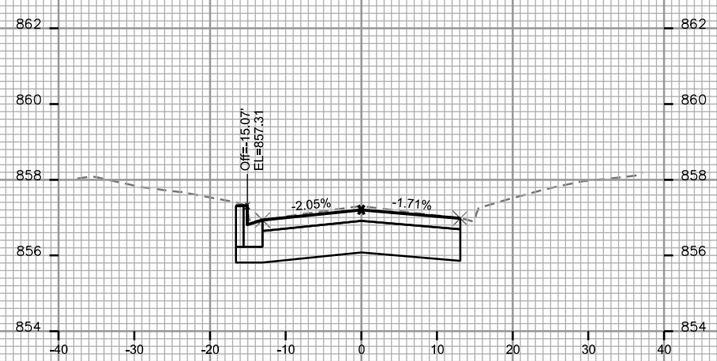
STA. 50+00



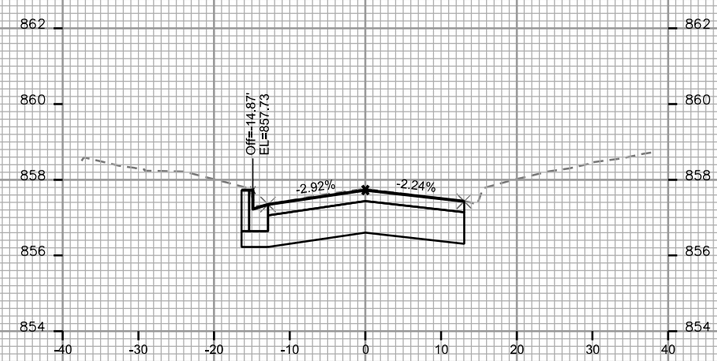
STA. 49+25



STA. 50+00



STA. 49+00



STA. 49+75

PLOT SCALE: ____

PLOT NAME: ____

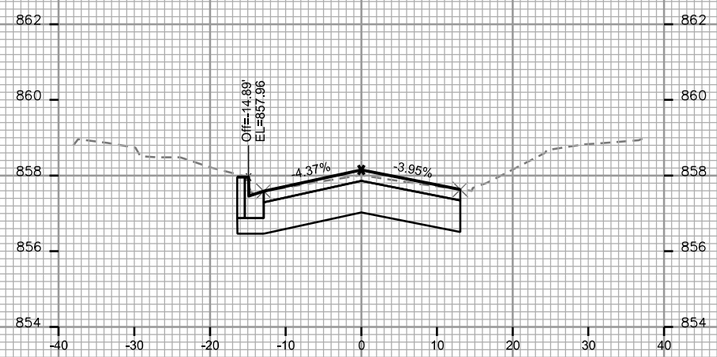
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

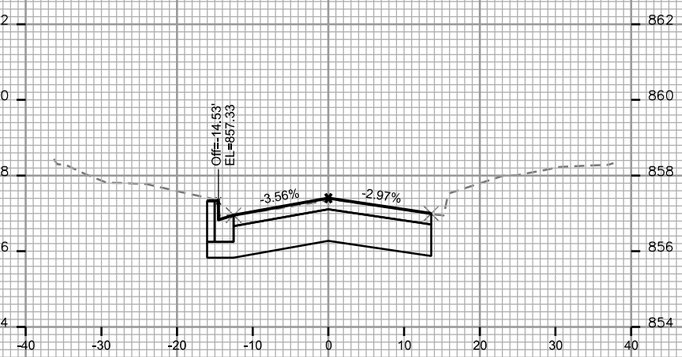
FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Streets\Design\53W1672EN-XSection##.dgn

DATE: 2/21/2014

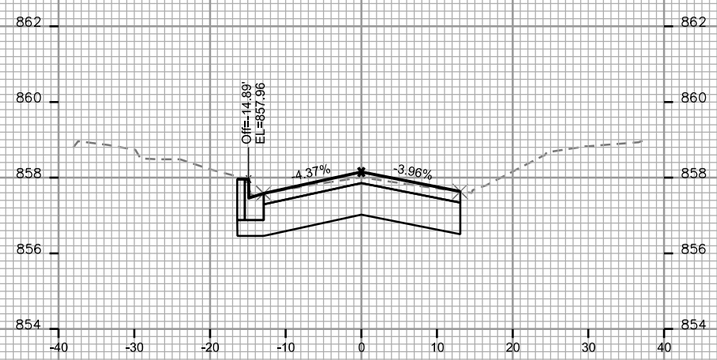
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. X-8
CROSS SECTIONS	
JOHNS STREET	CITY OF MADISON



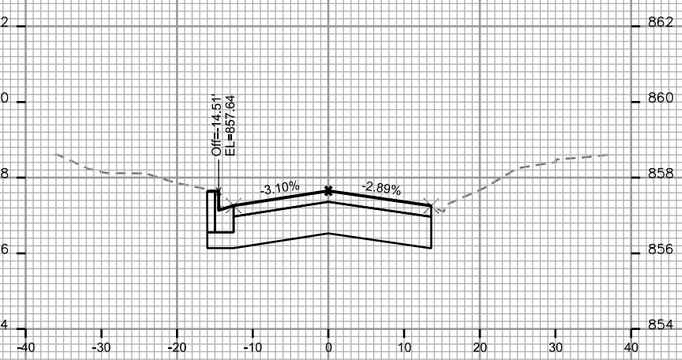
STA. 50+50



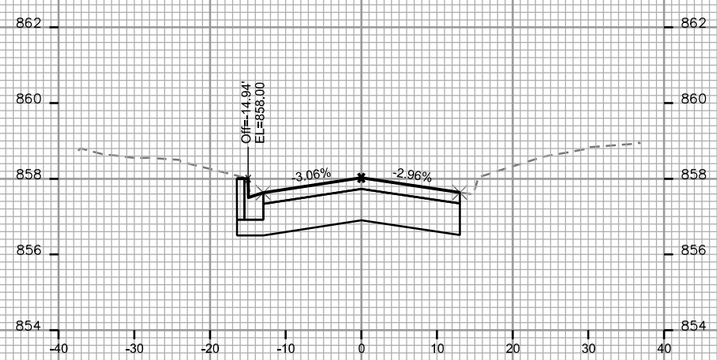
STA. 51+25



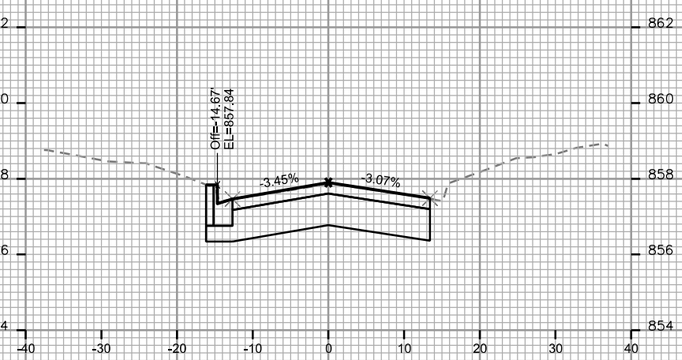
STA. 50+50



STA. 51+00



STA. 50+25



STA. 50+75

PLOT SCALE: ____

PLOT NAME: ____

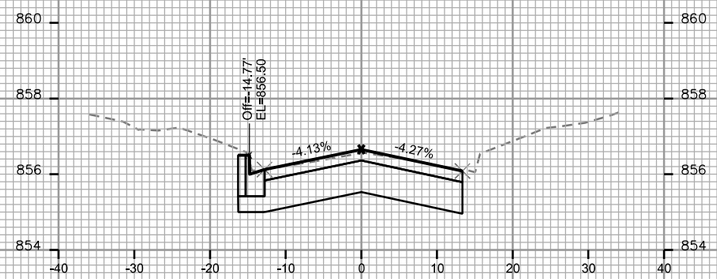
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

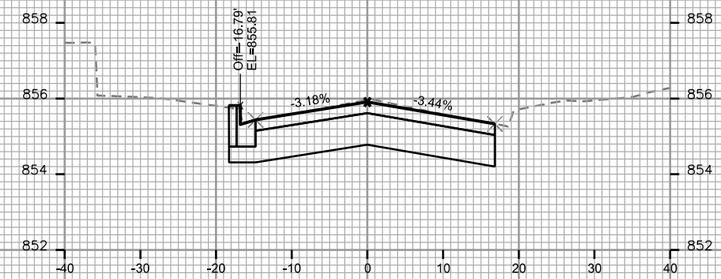
FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Streets\Design\53W1672EN-XSection##.dgn

DATE: 2/21/2014

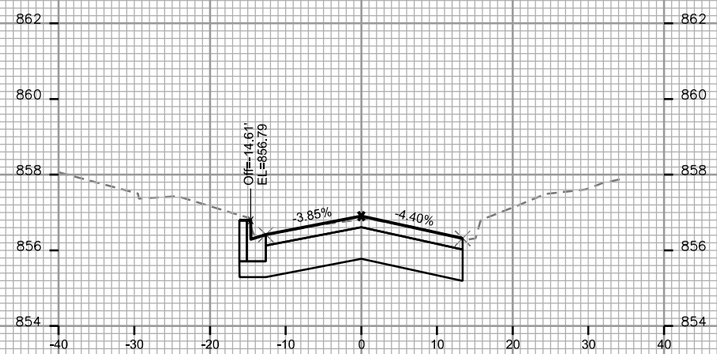
UTILITY REPLACEMENT WITH STREET RESURFACING - 2014	SHEET NO. X-9
CROSS SECTIONS	
JOHNS STREET	CITY OF MADISON



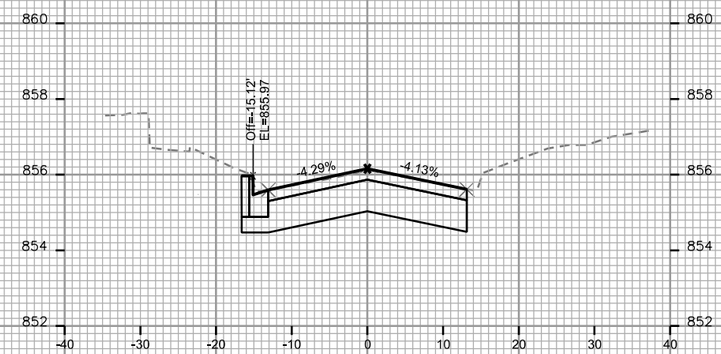
STA. 52+00



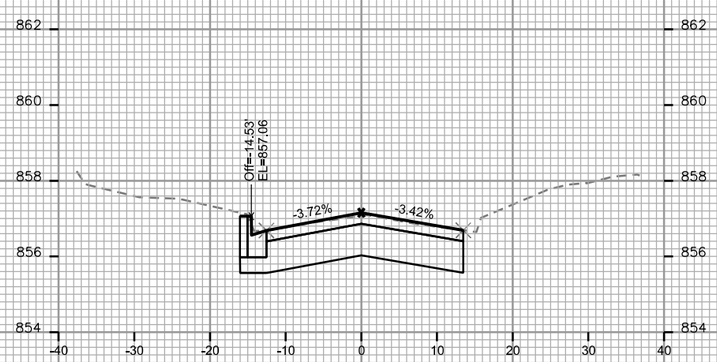
STA. 52+75



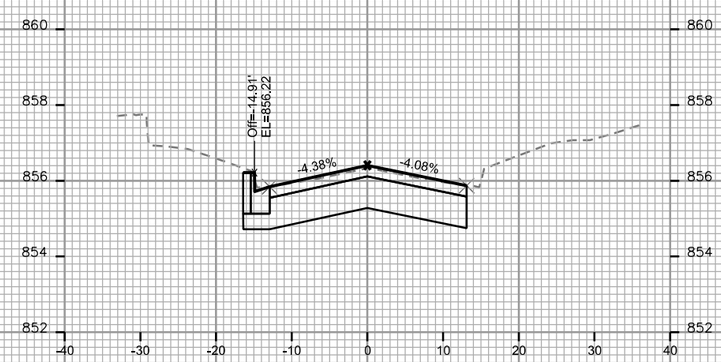
STA. 51+75



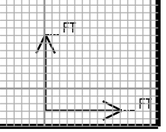
STA. 52+50



STA. 51+50



STA. 52+25



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1672\Johns\Streets\Design\53W1672EN-XSection##.dgn

DATE: 2/21/2014