

Madison, Wisconsin

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# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

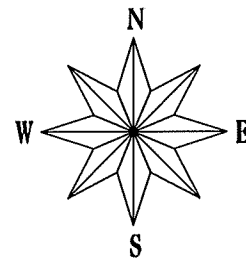
# PLAN OF PROPOSED IMPROVEMENT

## UTILITY REPLACEMENT WITH RESURFACING - 2013

### (WALTER ST & JOHNS ST)

CITY PROJECT NO. 53W1589

CONTRACT NO. 7042



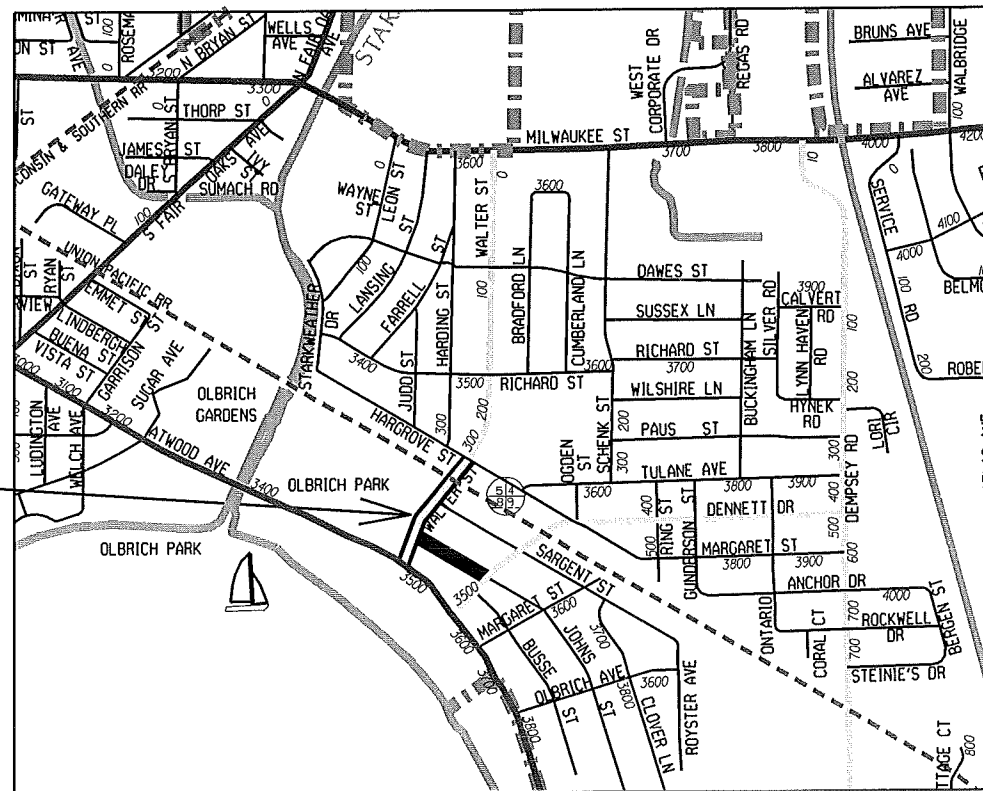
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	⬮
COMBUSTIBLE FLUIDS	☠

## 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%.



PUBLIC IMPROVEMENT PROJECT APPROVED

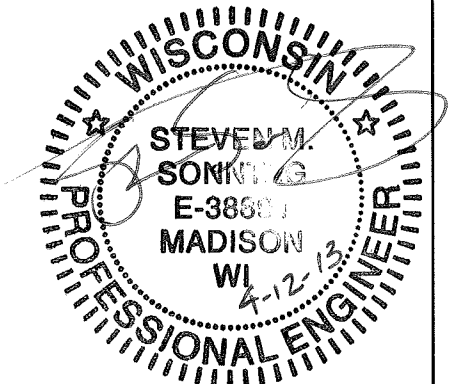
February 5, 2013

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

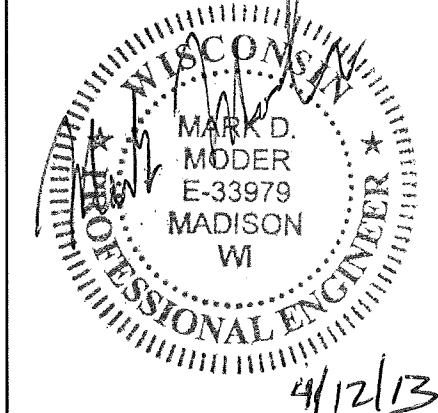
PUBLIC IMPROVEMENT DESIGN APPROVED BY:

*[Signature]* 4/12/13  
City Engineer Date

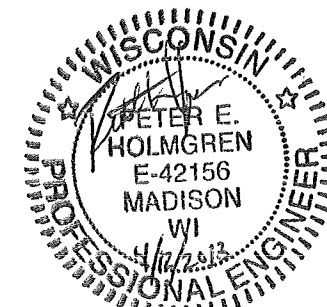
STREET DESIGNED BY:



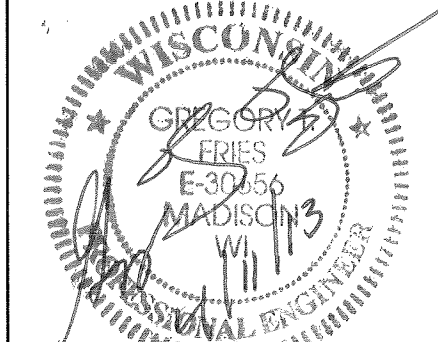
SANITARY SEWER DESIGNED BY:



WATER DESIGNED BY:



STORM SEWER DESIGNED BY:



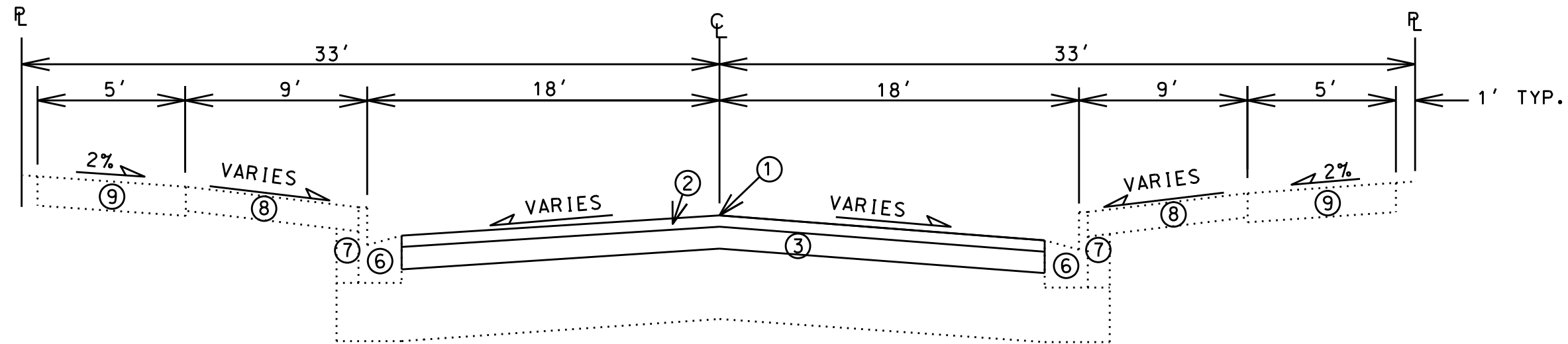
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PLOT NAME:

REV. DATE:

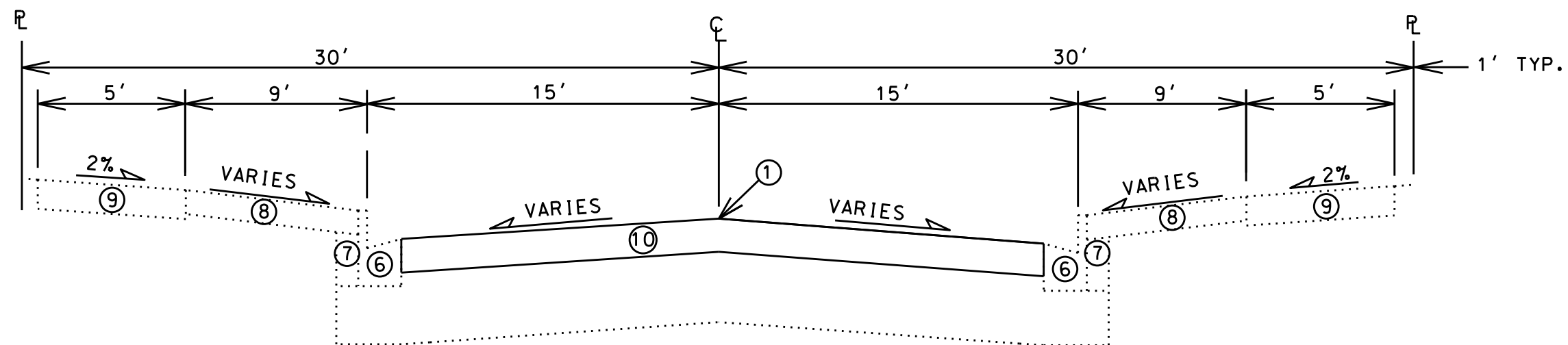
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER, TYPE E-1.0
- ③ 2.5" BITUMINOUS LOWER LAYER, TYPE E-1.0
- ⑥ TYPE 'A', 'G' OR 'X' CONCRETE CURB & GUTTER
- ⑦ FILL
- ⑧ 4" TOPSOIL, SEED & MATTING
- ⑨ 5" CONCRETE SIDEWALK, REPLACE AS NOTED IN PLAN
- ⑩ 3.0" BITUMINOUS UPPER LAYER, TYPE E-0.3



**TYPICAL FINISHED SECTION**

WALTER STREET



**TYPICAL FINISHED SECTION**

JOHNS STREET

TYPICAL SECTIONS NOT TO SCALE

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

EROSION CONTROL  
PLAN AND PROFILE  
WALTER STREET CITY OF MADISON

**EROSION CONTROL NOTES:**

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.






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

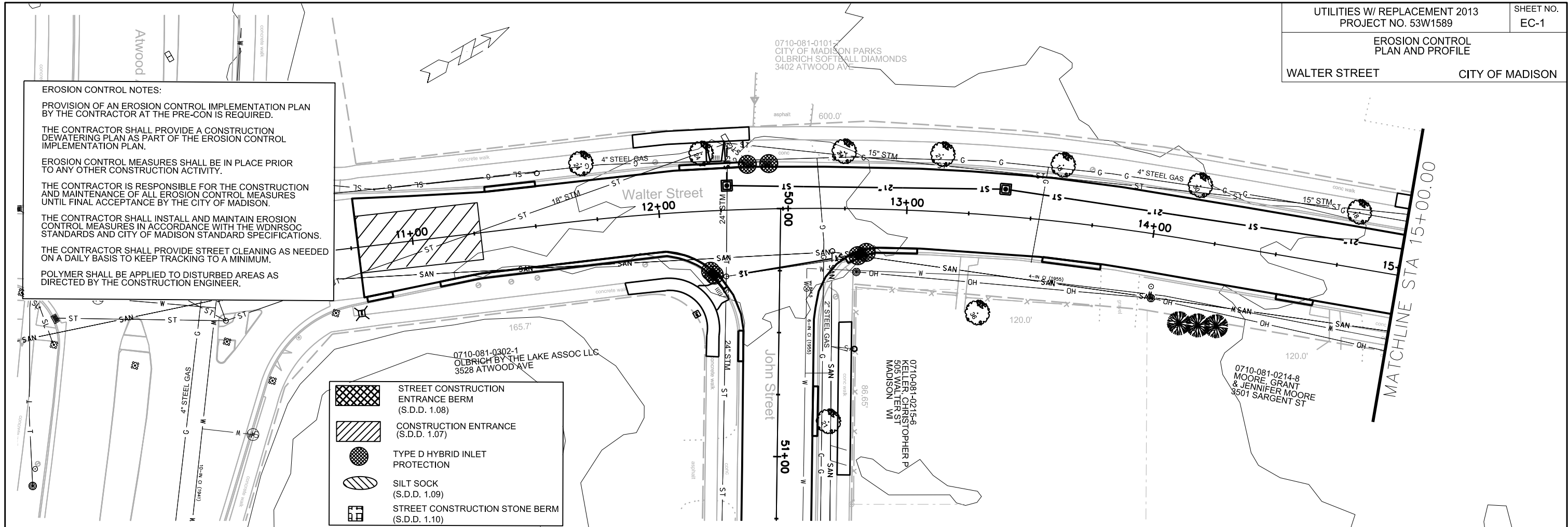
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC 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.

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

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



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

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EROSION CONTROL  
PLAN AND PROFILE

WALTER STREET CITY OF MADISON

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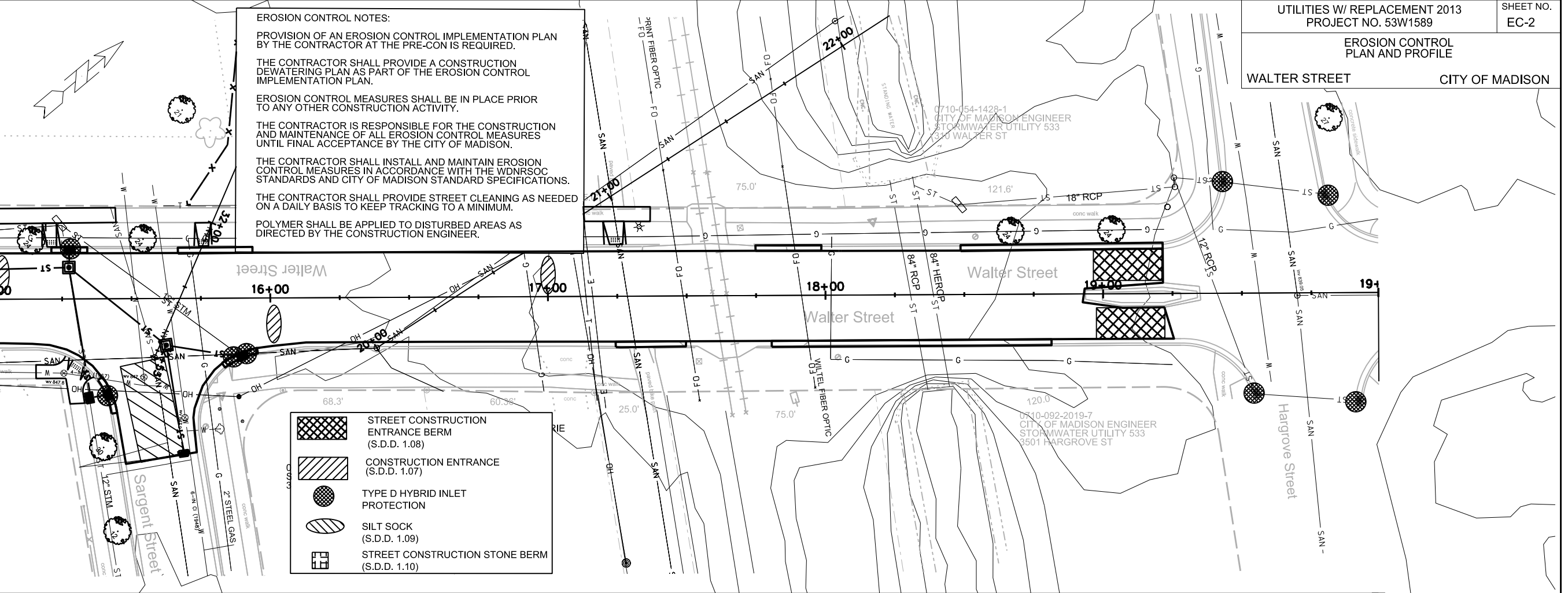
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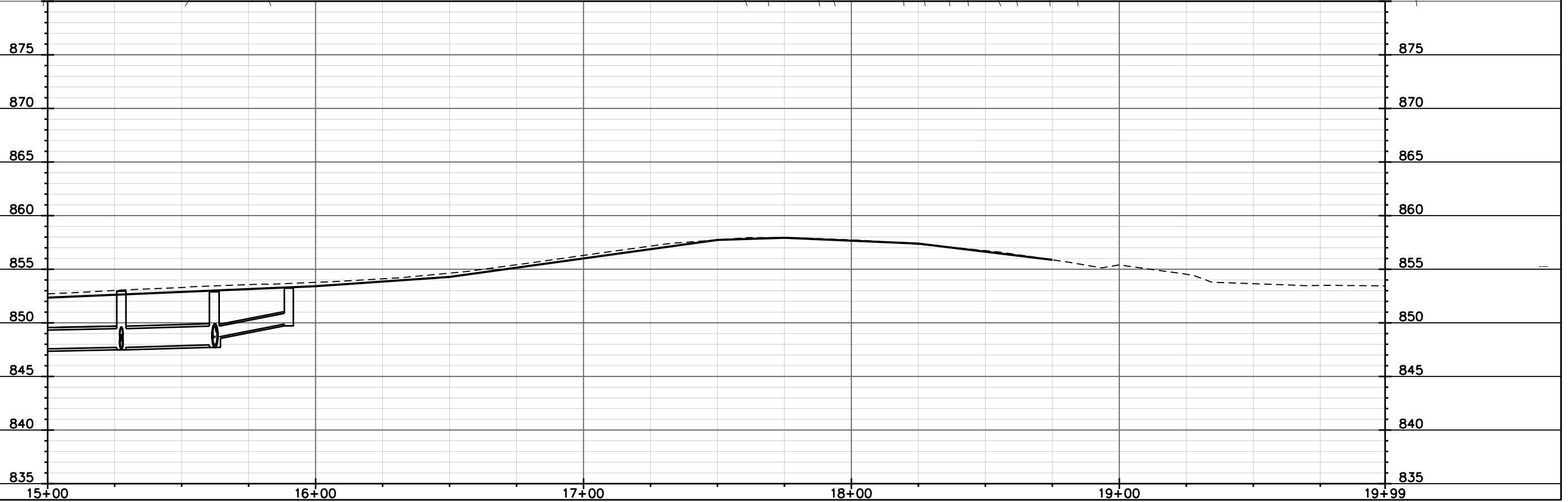
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MATCHLINE STA 15+00.00



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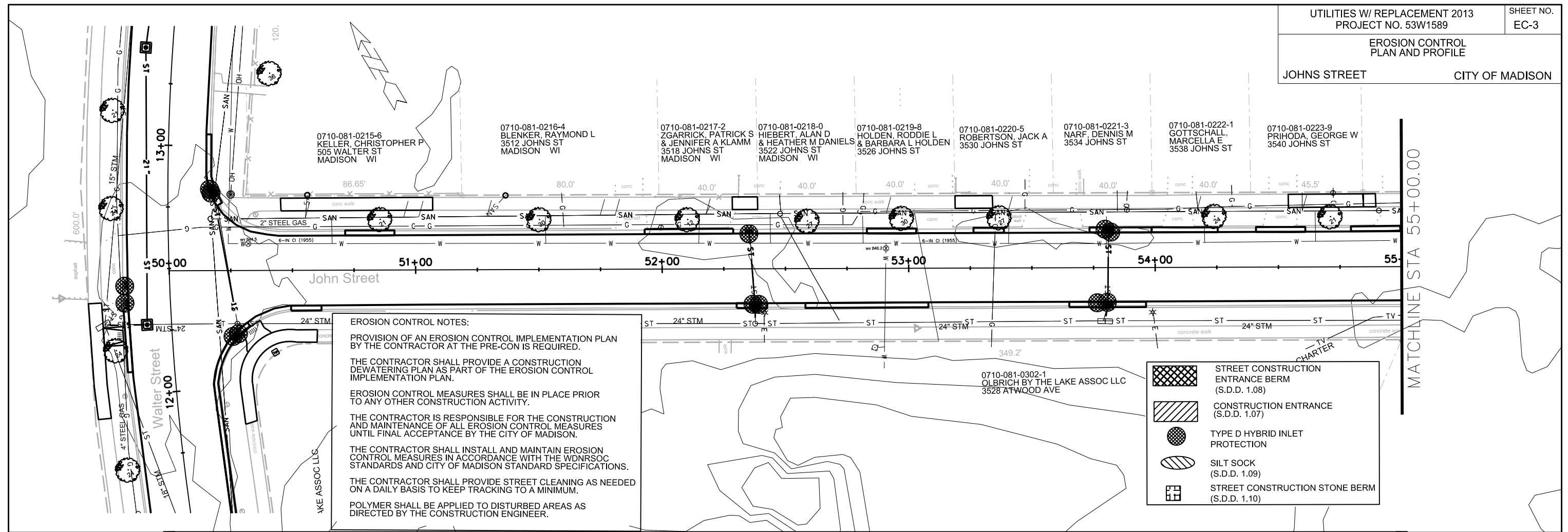
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL  
PLAN AND PROFILE  
JOHNS STREET CITY OF MADISON



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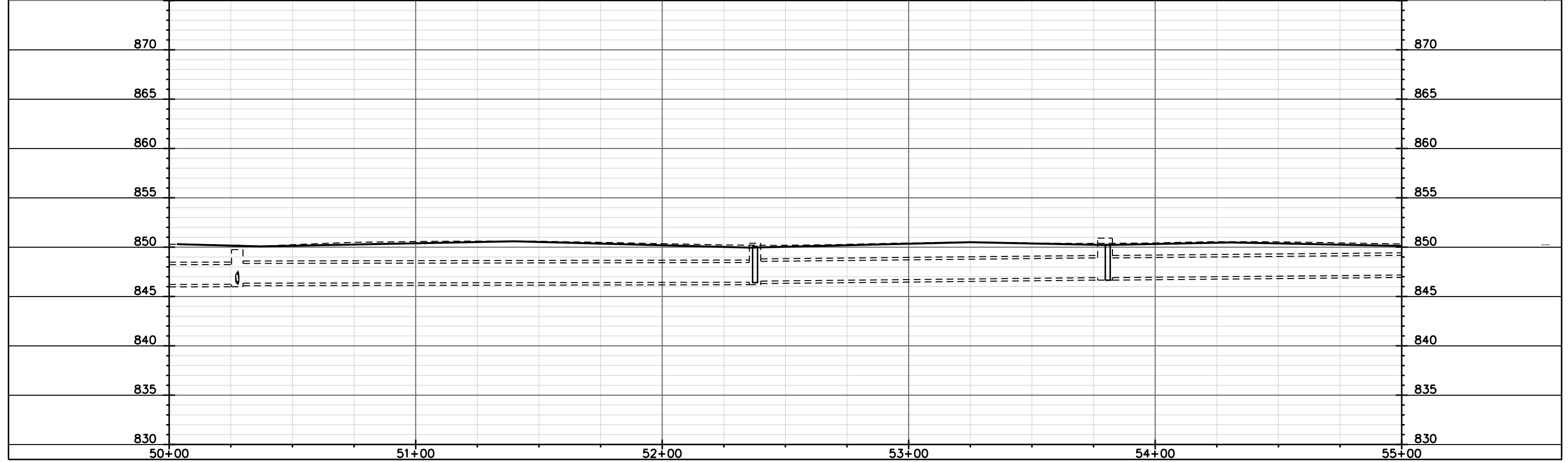
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
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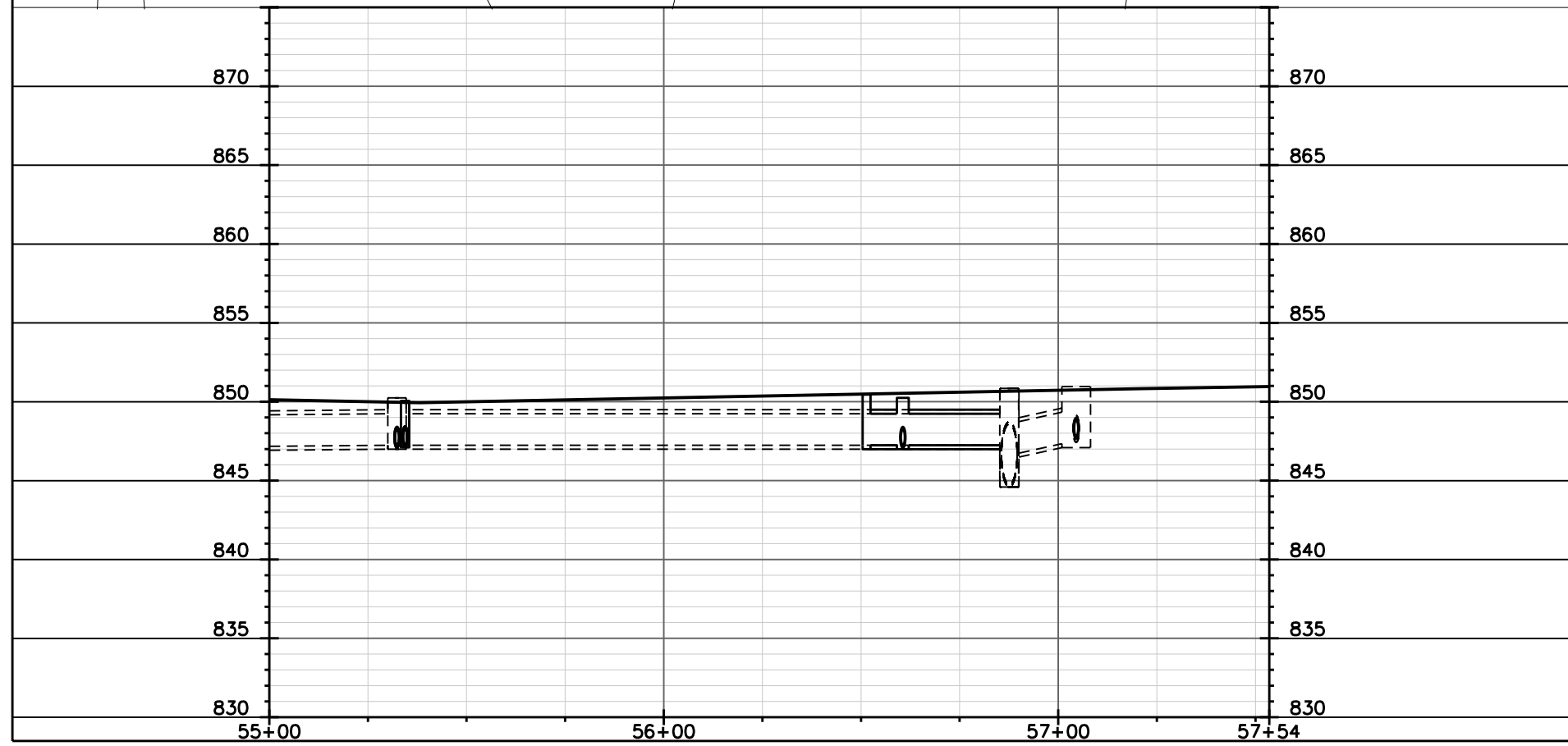
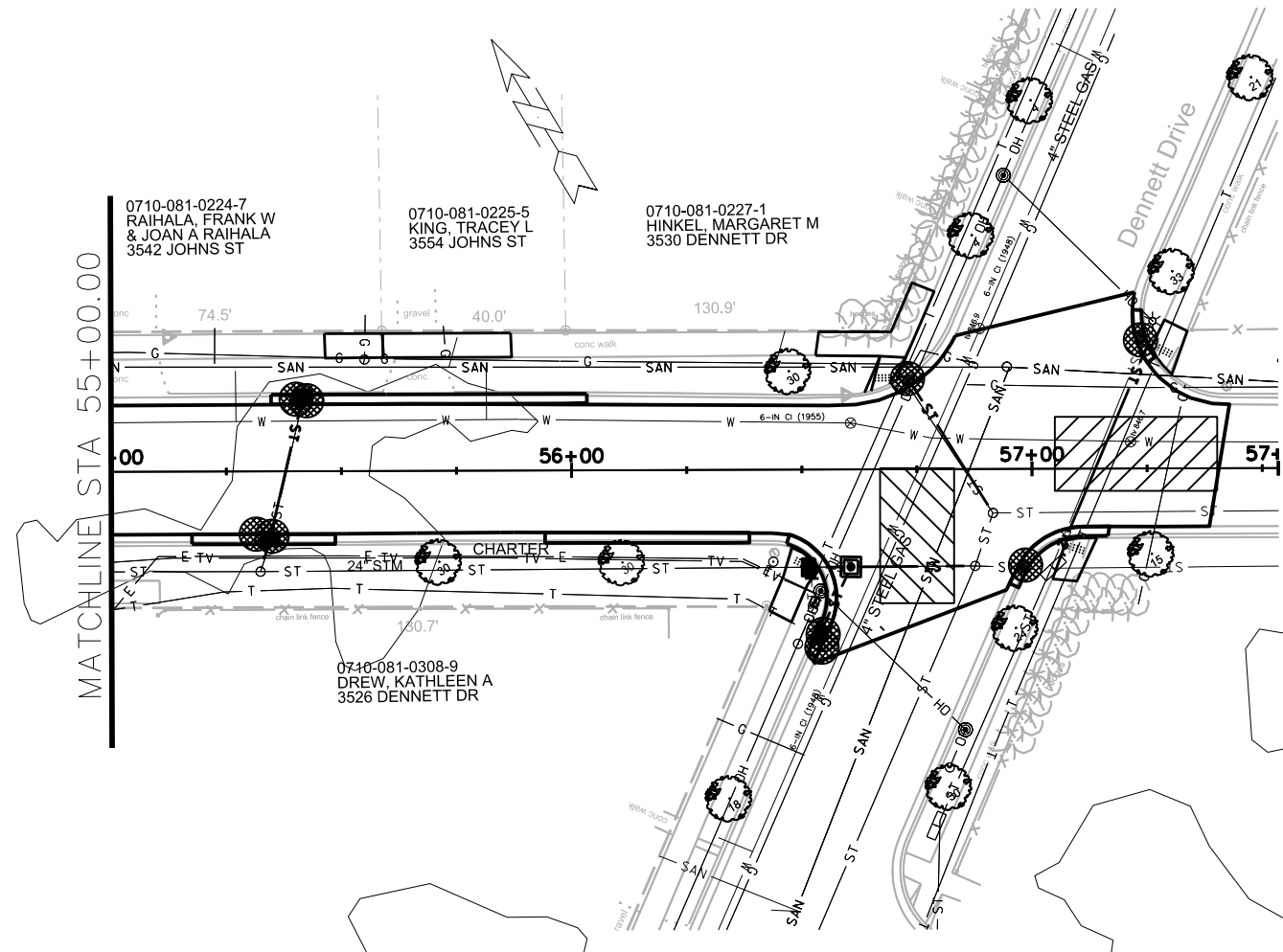
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PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL  
PLAN AND PROFILE

RAILROAD CROSSING CITY OF MADISON

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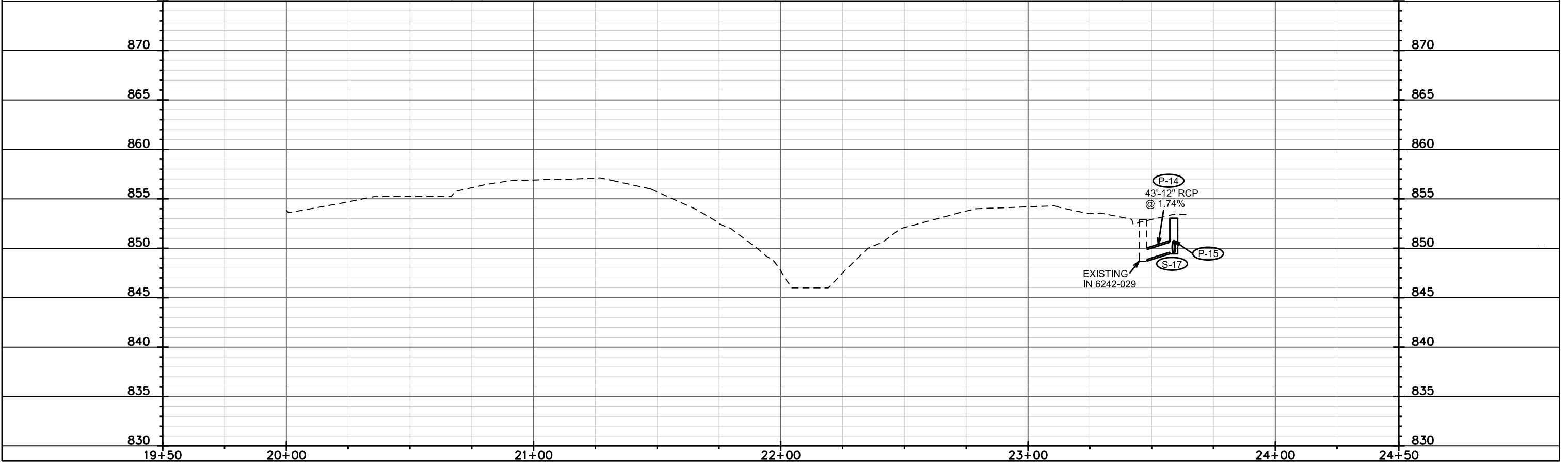
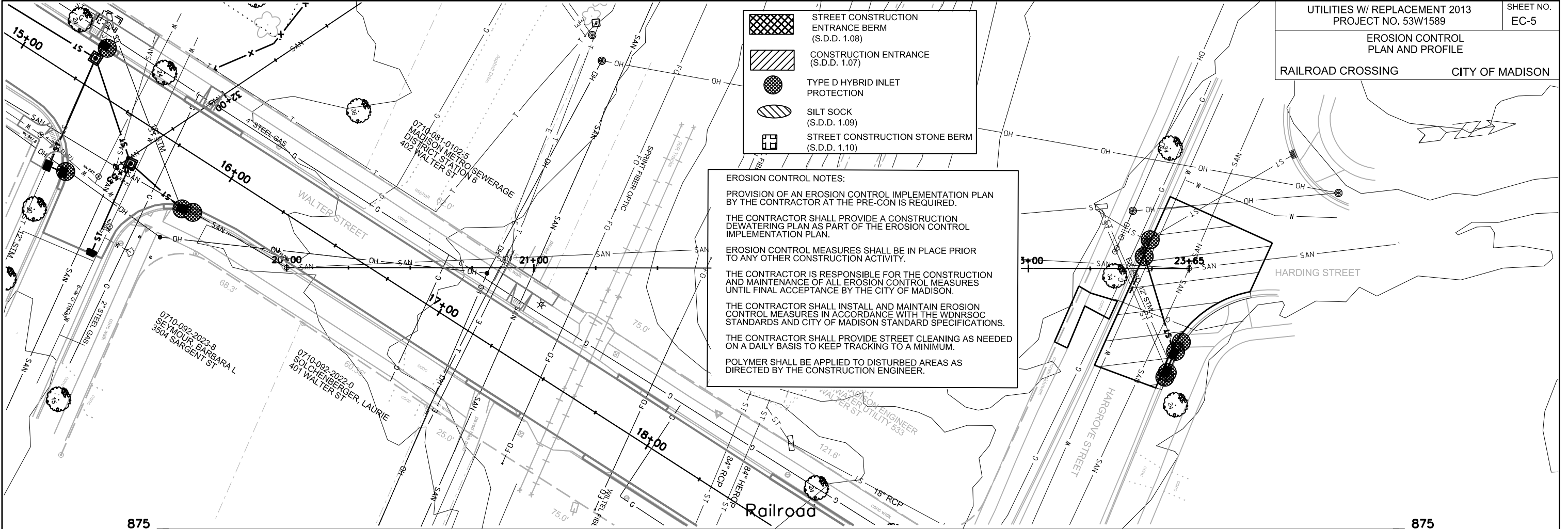
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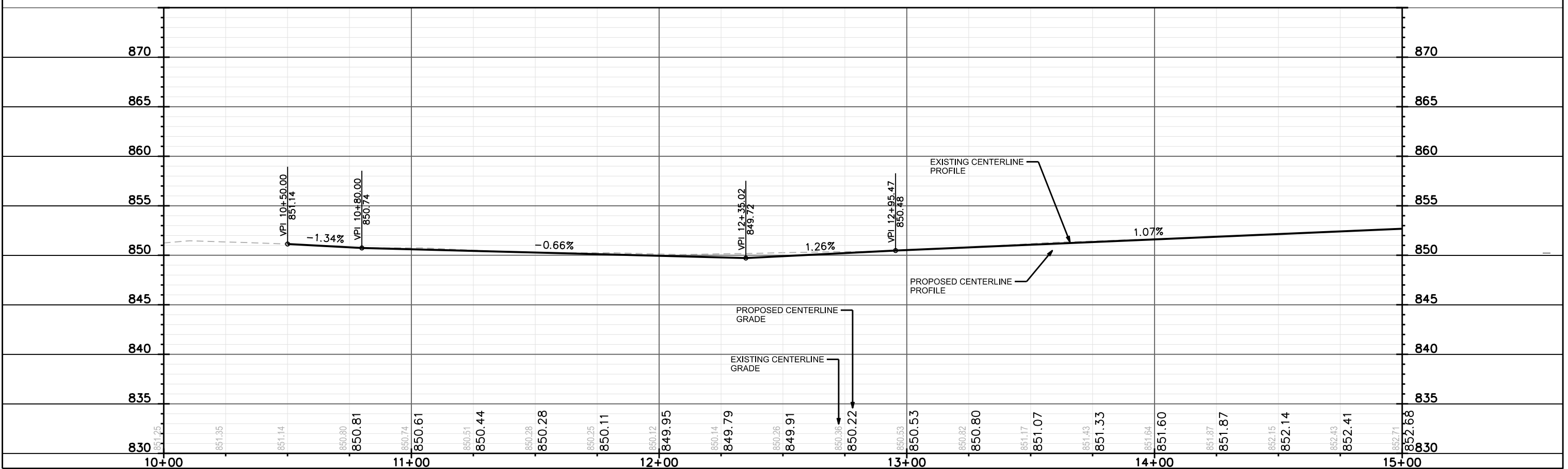
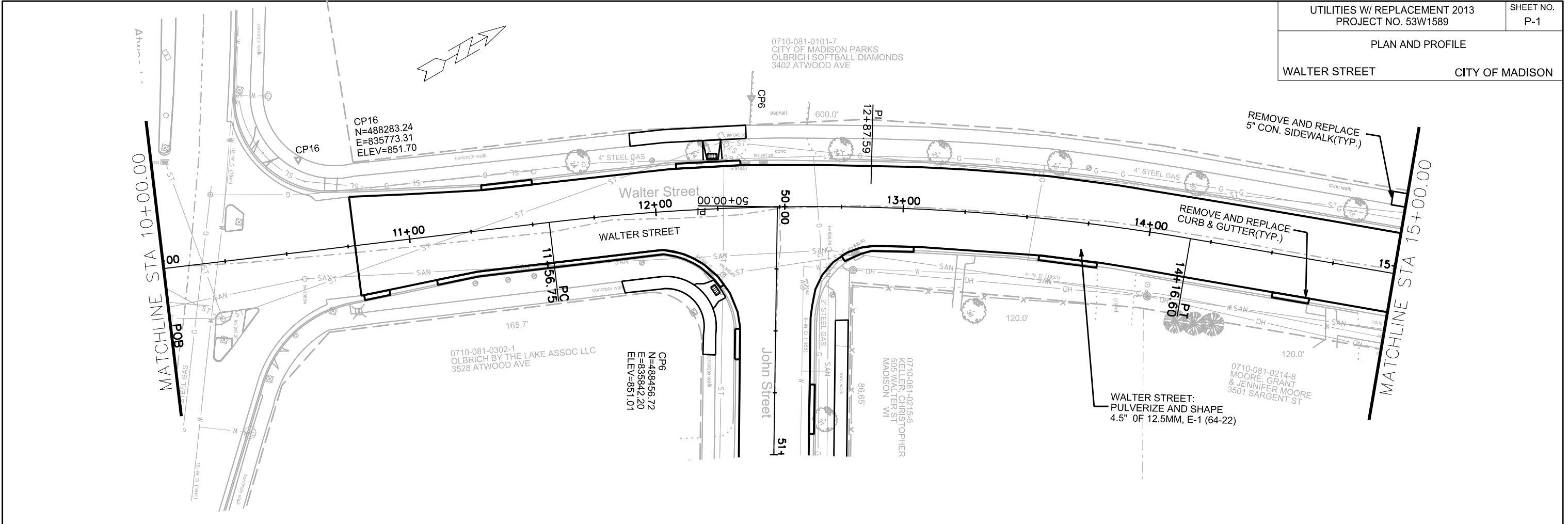


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ORIGINATOR: CITY OF MADISON - STREETS DIVISION



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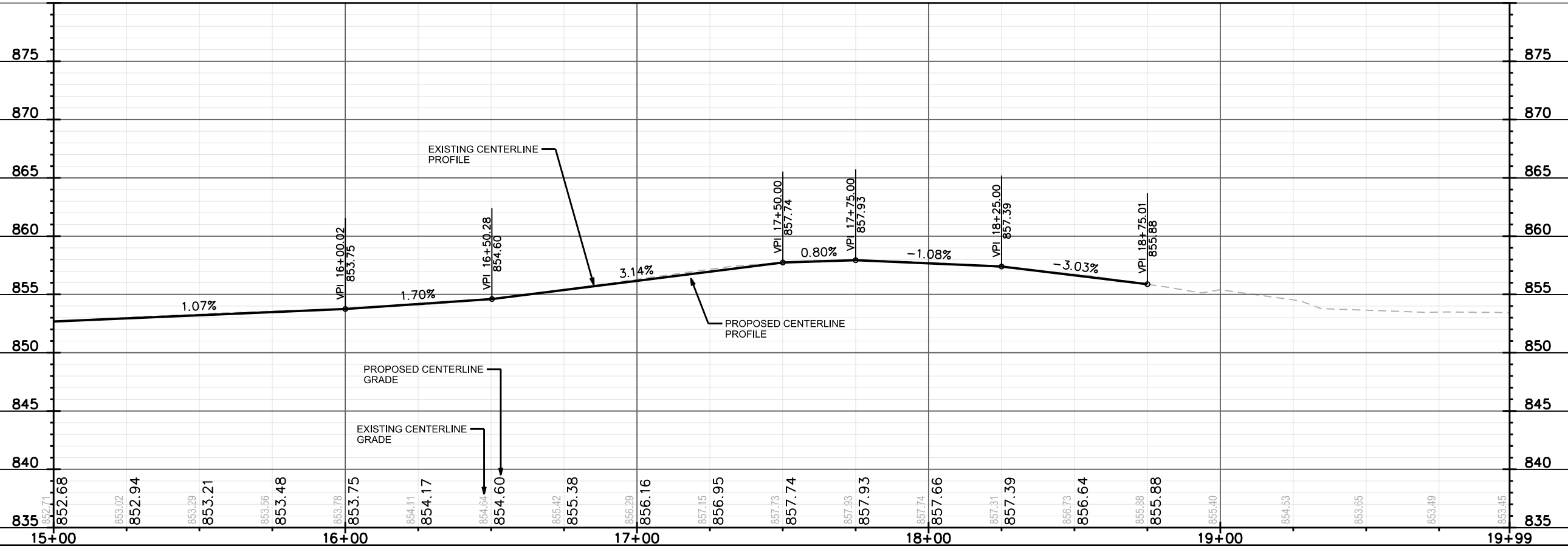
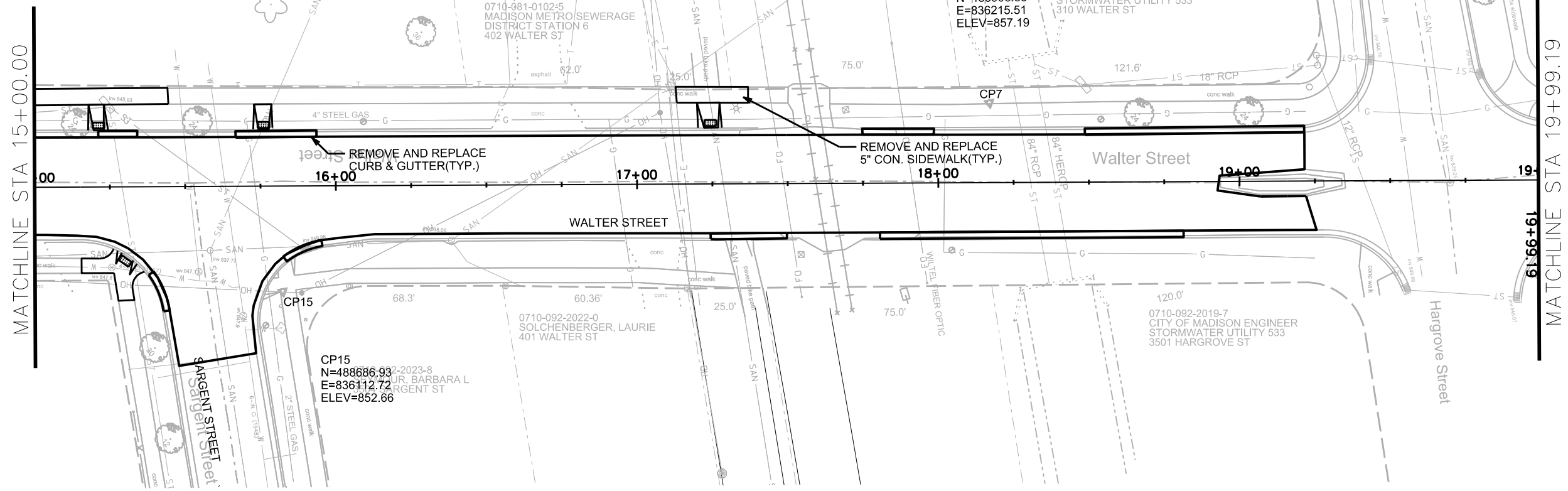
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

WALTER STREET CITY OF MADISON



PLOT SCALE: \_\_\_\_\_

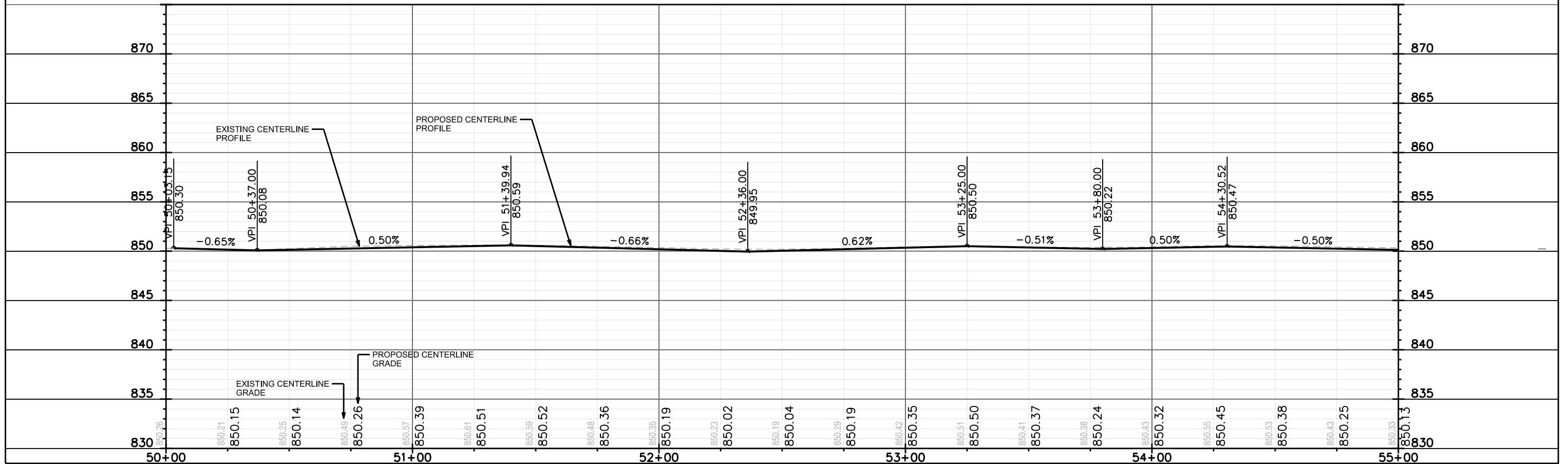
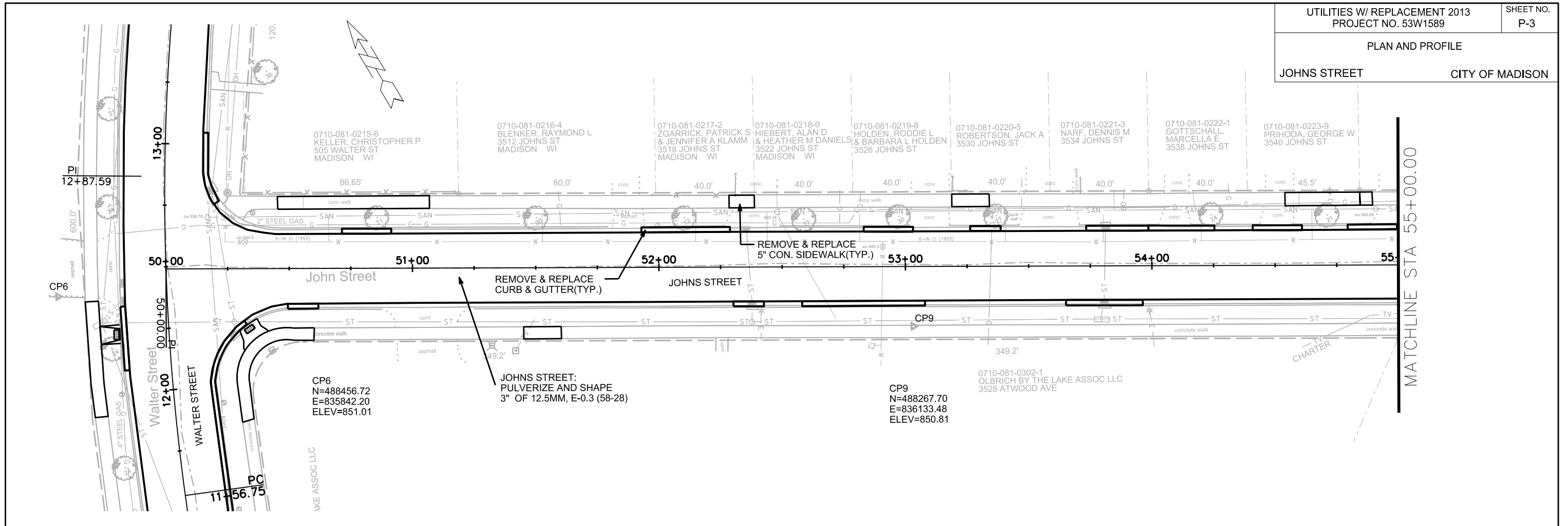
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PLAN AND PROFILE

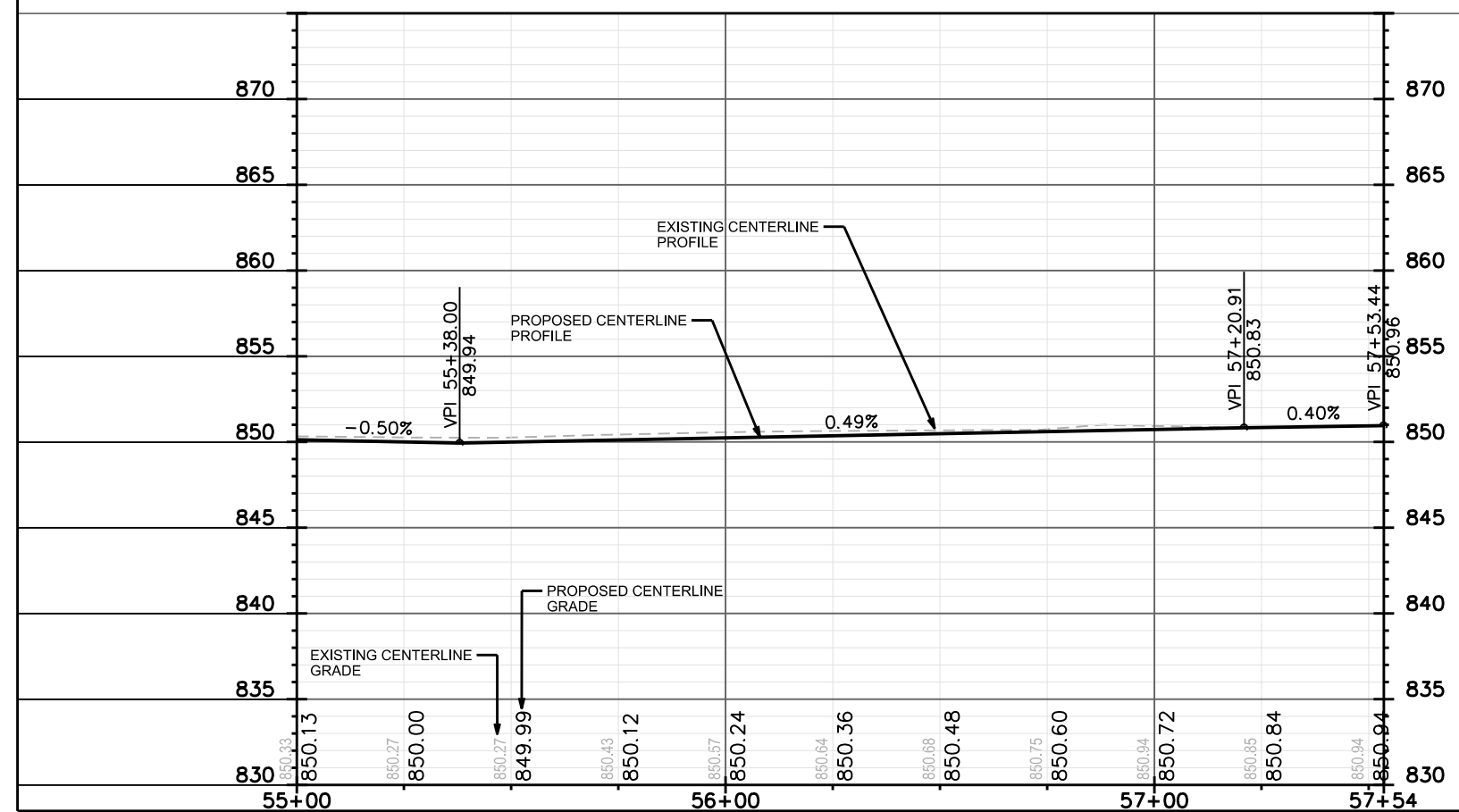
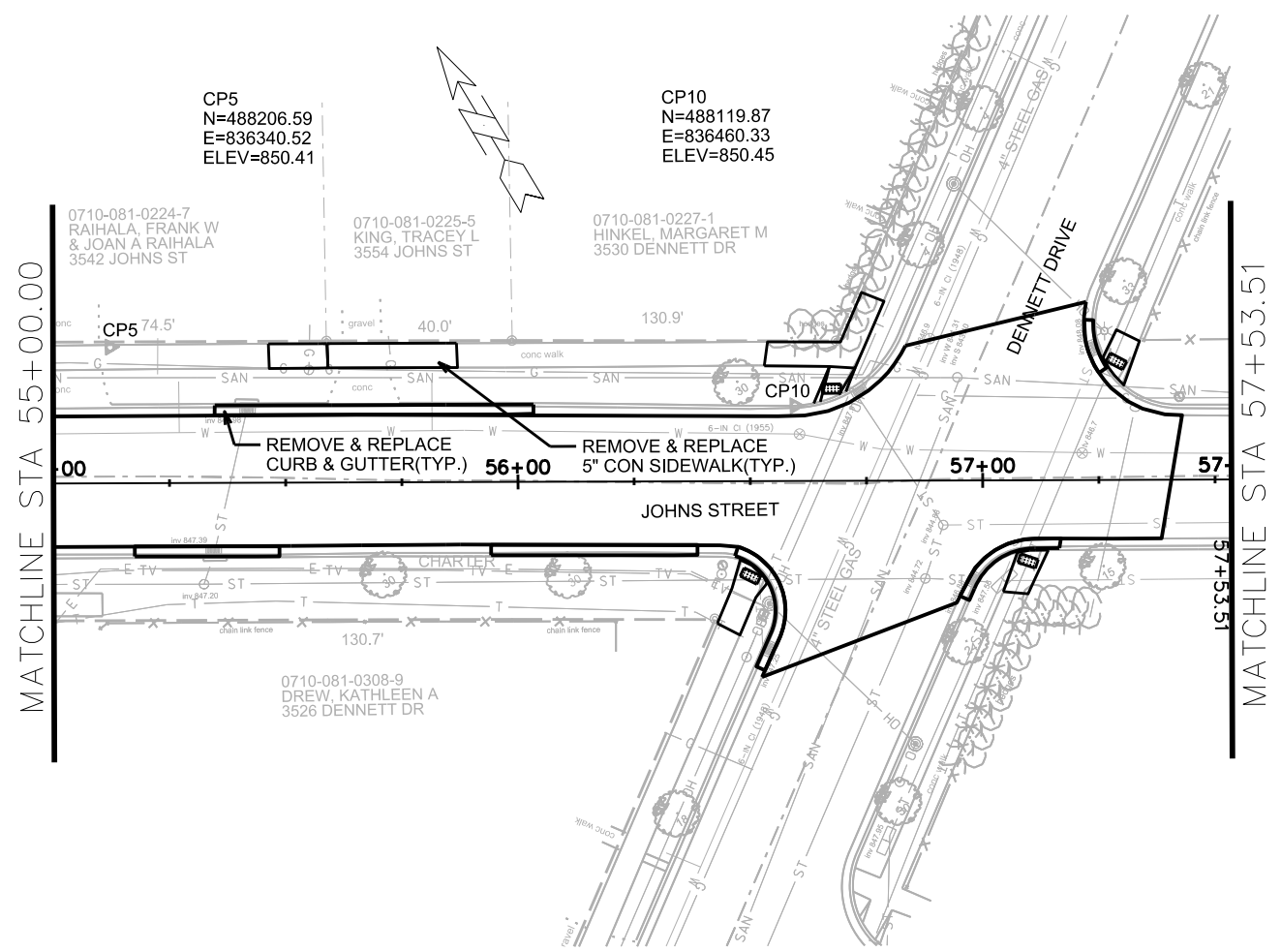
JOHNS STREET CITY OF MADISON



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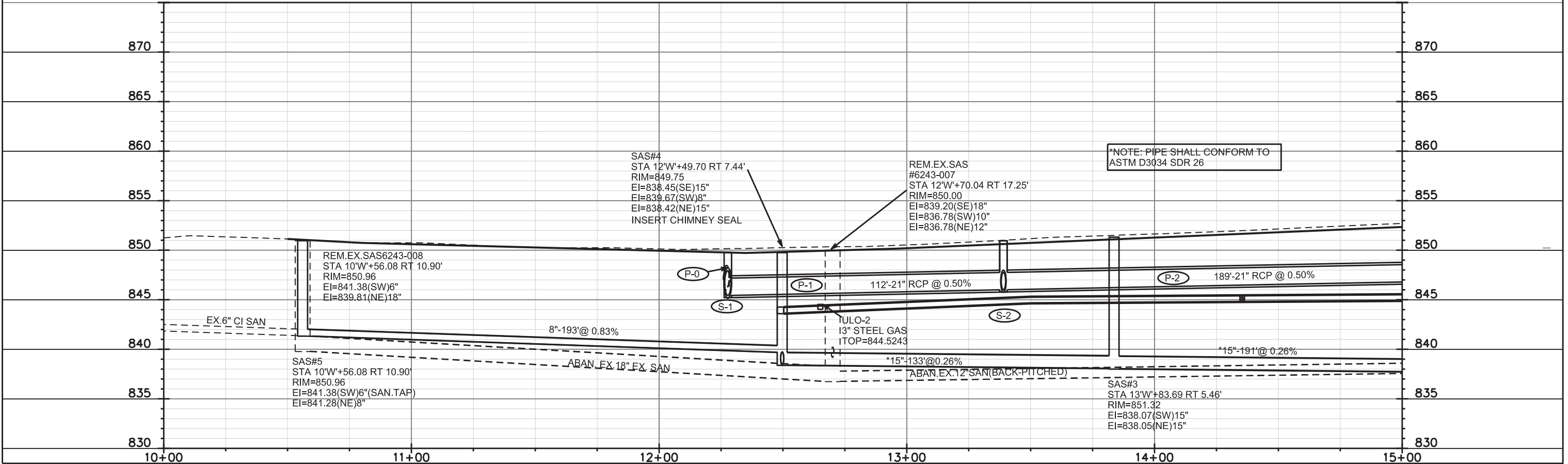
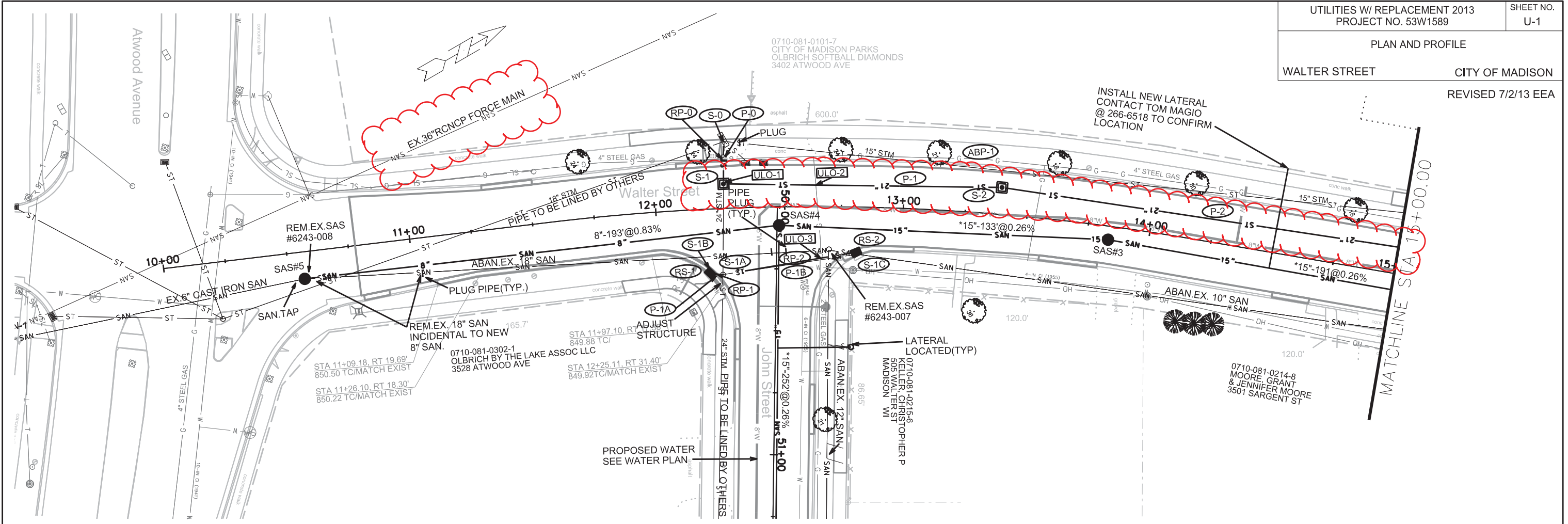


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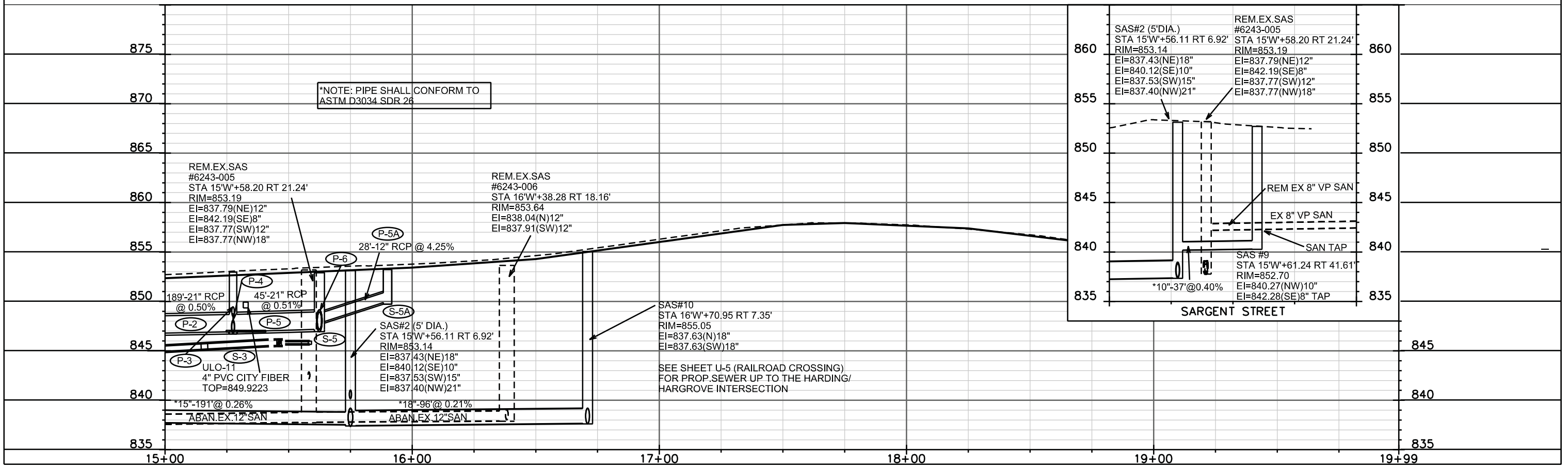
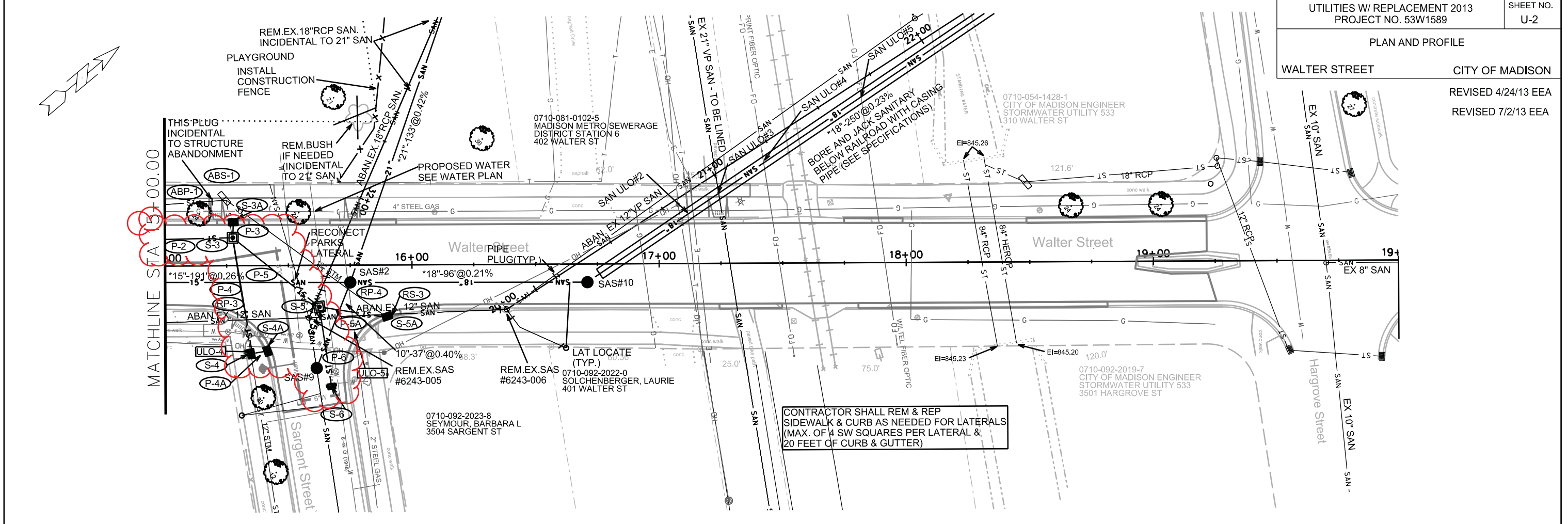
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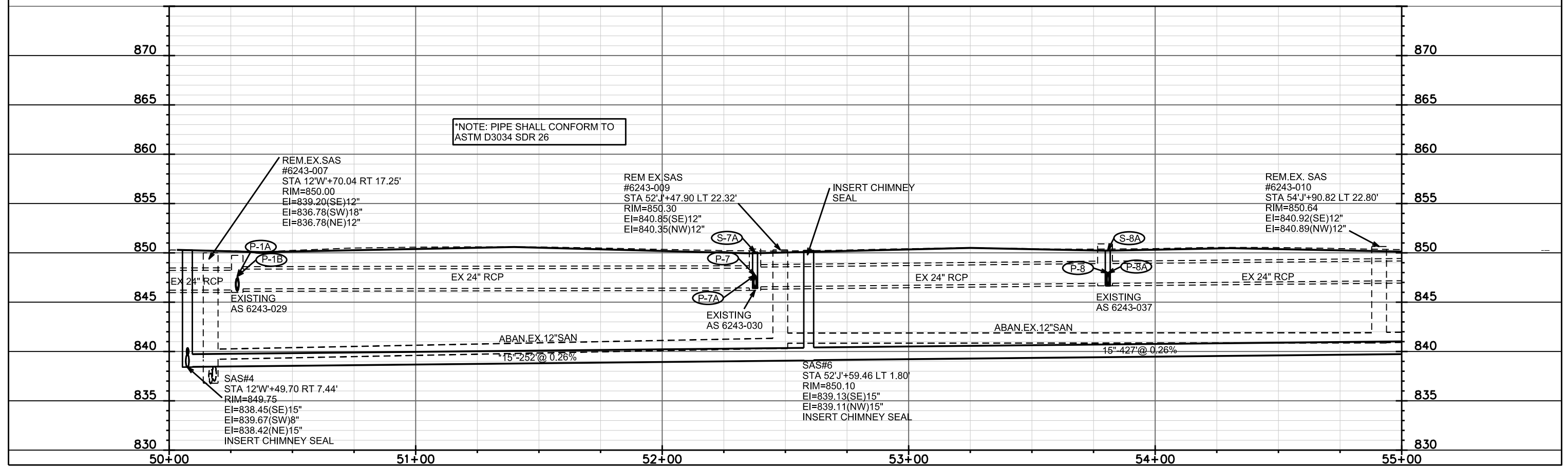
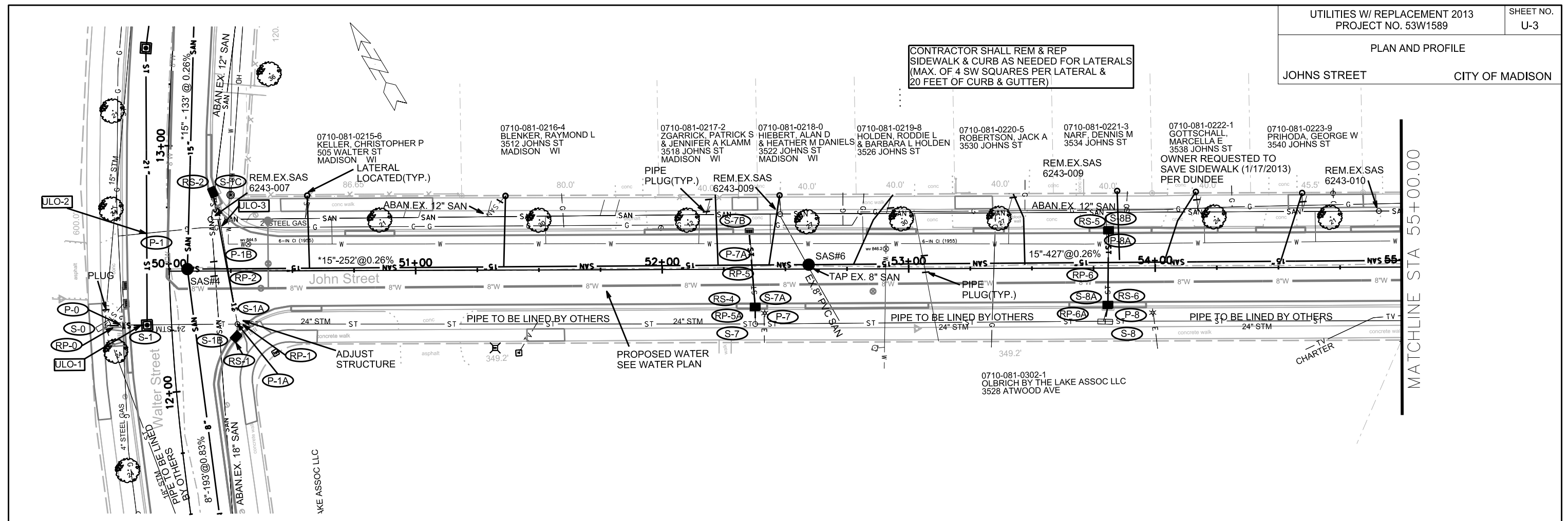
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PLOT NAME: \_\_\_\_\_  
REV. DATE: \_\_\_\_\_  
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

JOHNS STREET CITY OF MADISON

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



PLOT SCALE: \_\_\_\_\_

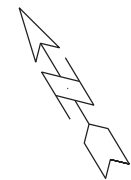
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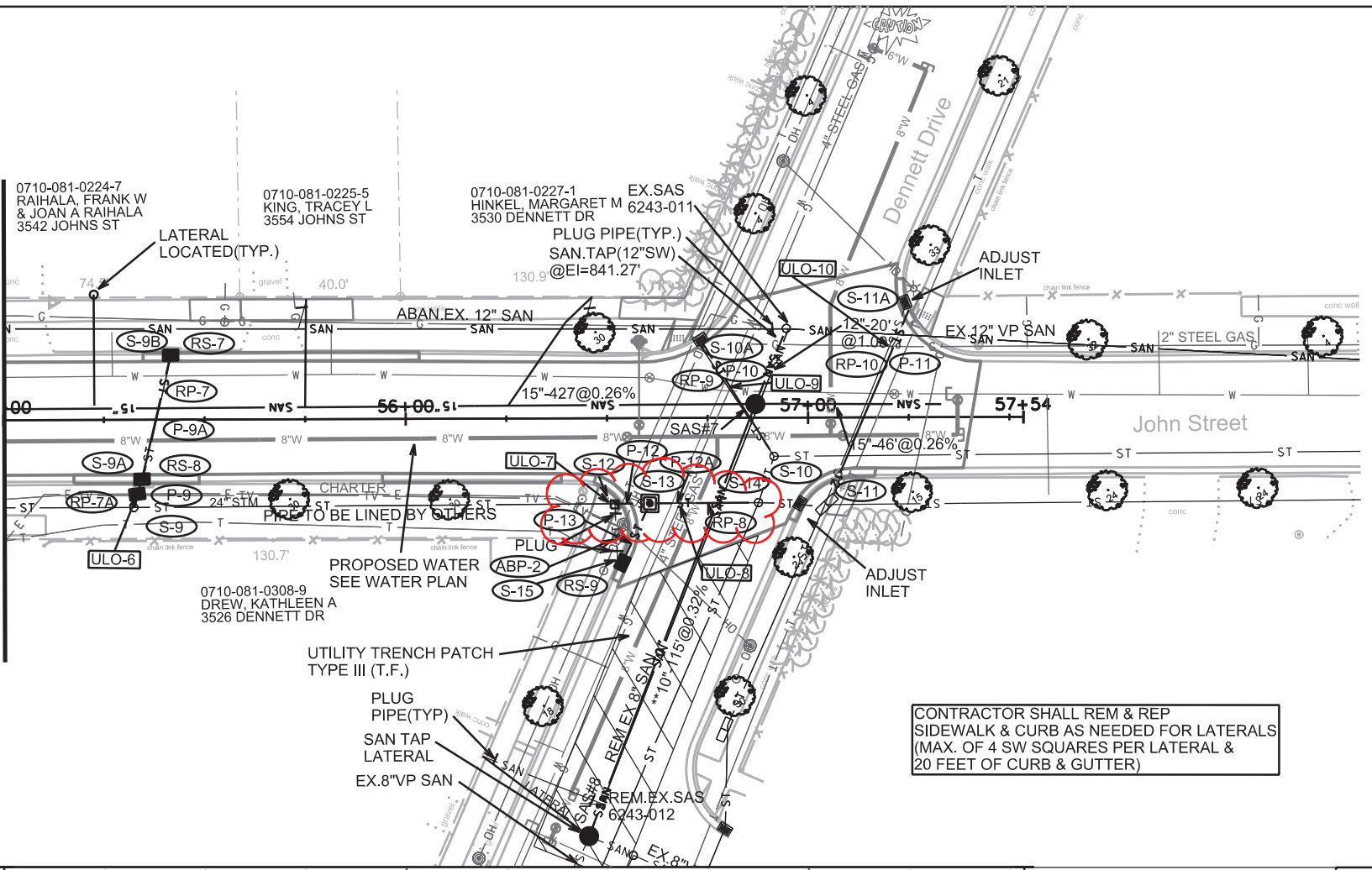
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

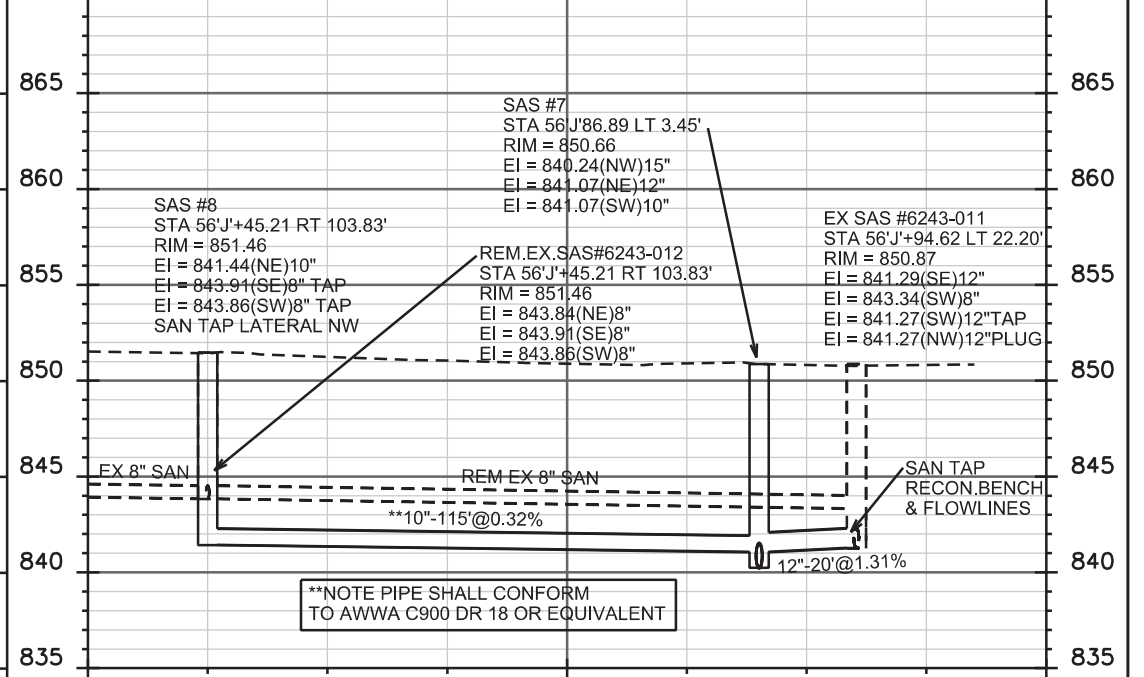
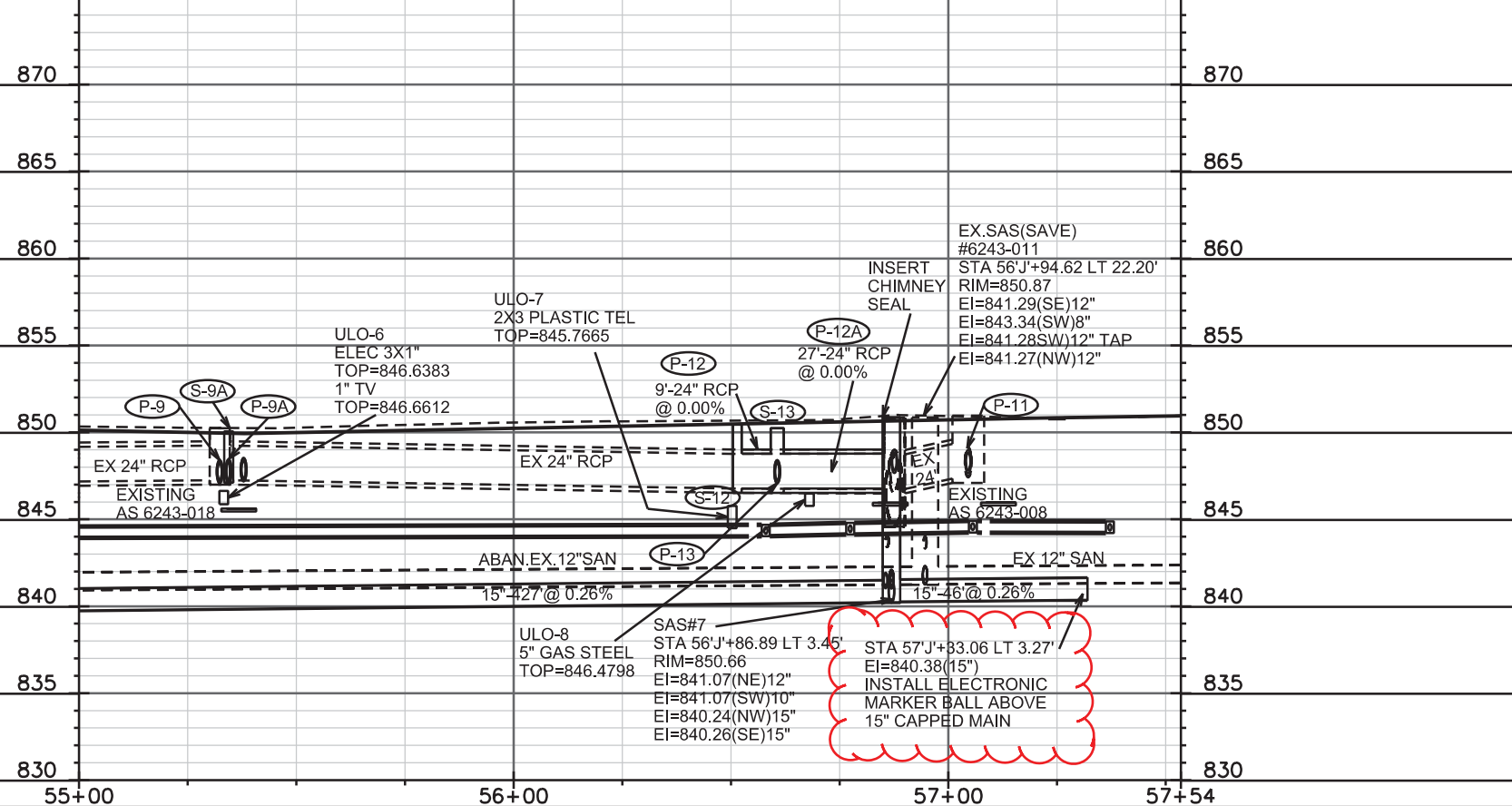
JOHNS STREET CITY OF MADISON  
REV. 7/2/2013 MDM  
REV. 7/2/2013 EEA



MATCHLINE STA 55+00.00



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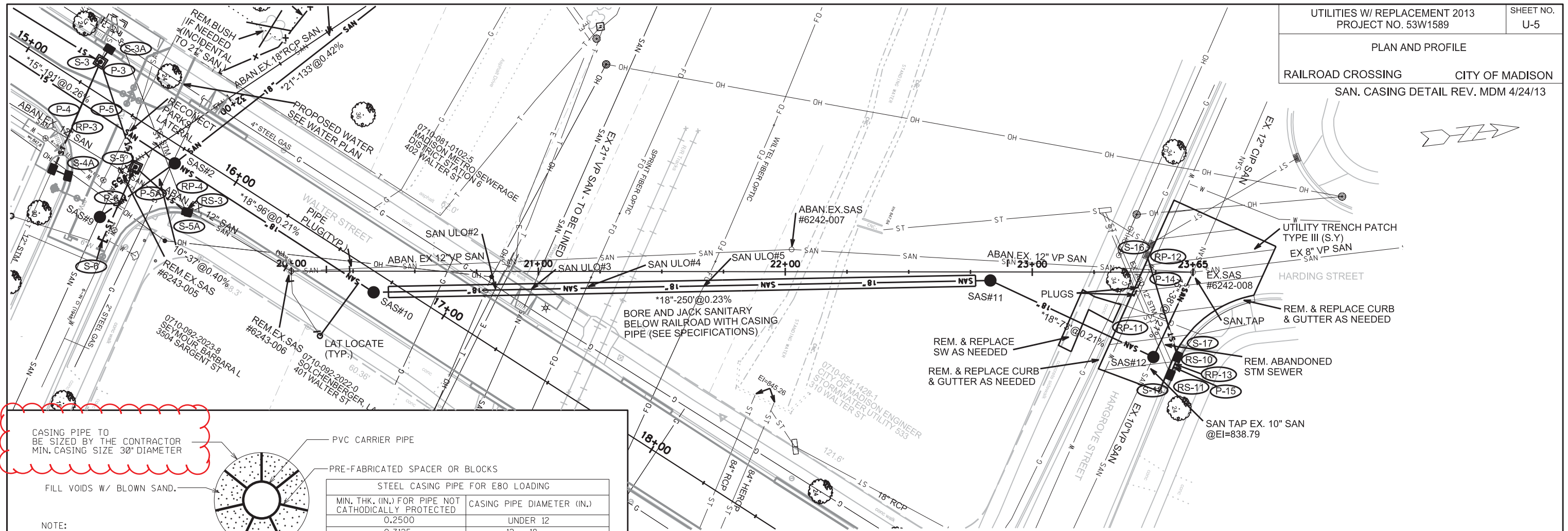


\*\*NOTE PIPE SHALL CONFORM  
TO AWWA C900 DR 18 OR EQUIVALENT

PLOT SCALE: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CASING PIPE TO BE SIZED BY THE CONTRACTOR MIN. CASING SIZE 30" DIAMETER

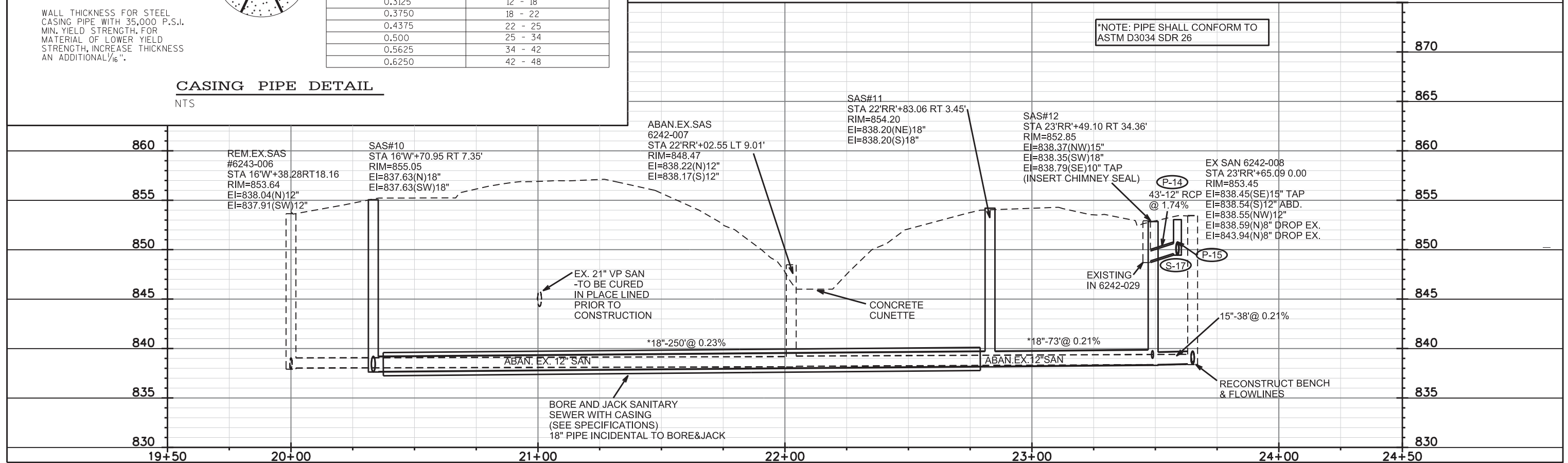
FILL VOIDS W/ BLOWN SAND.

NOTE:  
WALL THICKNESS FOR STEEL CASING PIPE WITH 35,000 P.S.I. MIN. YIELD STRENGTH. FOR MATERIAL OF LOWER YIELD STRENGTH, INCREASE THICKNESS AN ADDITIONAL 1/16".

PVC CARRIER PIPE  
PRE-FABRICATED SPACER OR BLOCKS

STEEL CASING PIPE FOR E80 LOADING	
MIN. THK. (IN.) FOR PIPE NOT CATHODICALLY PROTECTED	CASING PIPE DIAMETER (IN.)
0.2500	UNDER 12
0.3125	12 - 18
0.3750	18 - 22
0.4375	22 - 25
0.500	25 - 34
0.5625	34 - 42
0.6250	42 - 48

**CASING PIPE DETAIL**  
NTS



\*NOTE: PIPE SHALL CONFORM TO ASTM D3034 SDR 26

PLOT SCALE: \_\_\_\_\_  
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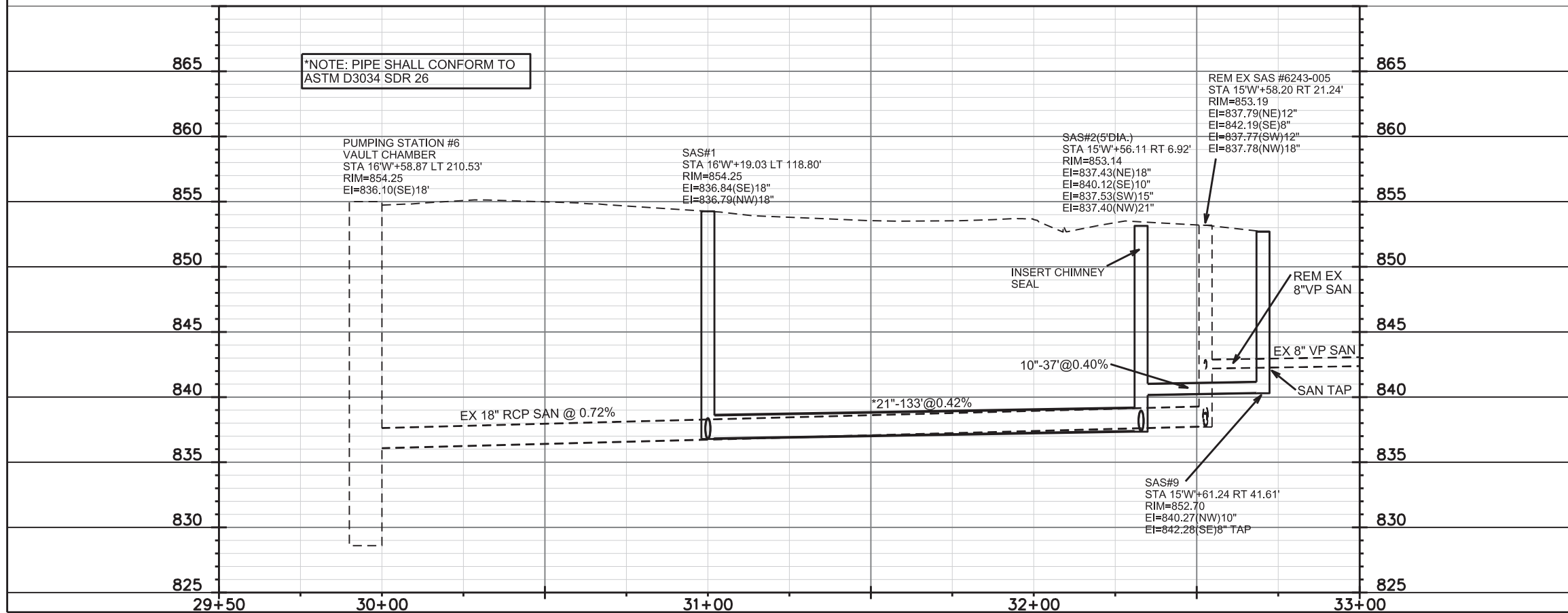
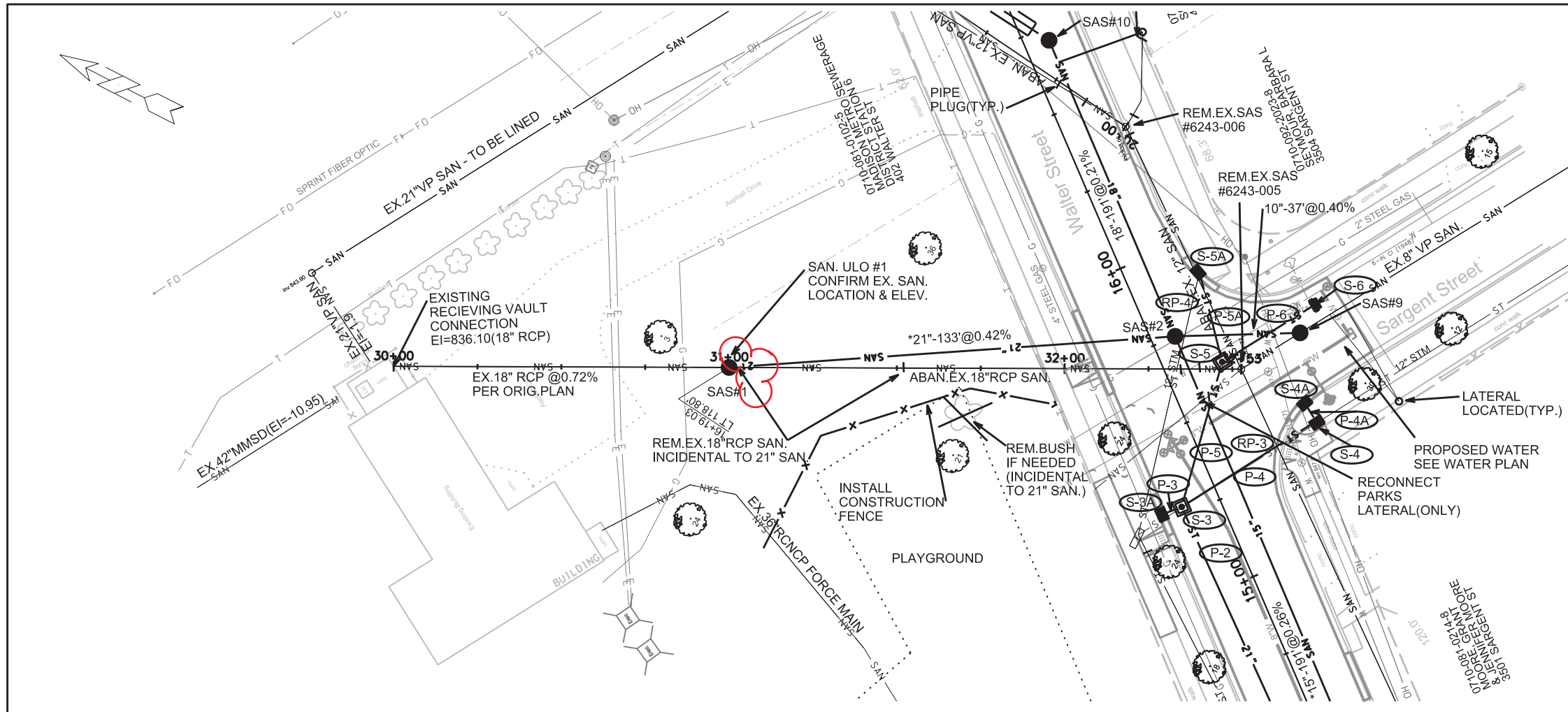
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

PUMP STATION CITY OF MADISON

REVISED 4/24/13 EEA  
REVISED 7/2/13 MDM



\*NOTE: PIPE SHALL CONFORM TO  
ASTM D3034 SDR 26

REM EX SAS #6243-005  
STA 15\"W+58.20 RT 21.24'  
RIM=853.19  
EI=837.79(NE)12\"  
EI=842.19(SE)8\"  
EI=837.77(SW)12\"  
EI=837.78(NW)18\"

SAS#1  
STA 16\"W+19.03 LT 118.80'  
RIM=854.25  
EI=836.84(SE)18\"  
EI=836.79(NW)18\"

SAS#2(5\"DIA.)  
STA 15\"W+56.11 RT 6.92'  
RIM=853.14  
EI=837.43(NE)18\"  
EI=840.12(SE)10\"  
EI=837.53(SW)15\"  
EI=837.40(NW)21\"

SAS#9  
STA 15\"W+61.24 RT 41.61'  
RIM=852.70  
EI=840.27(NW)10\"  
EI=842.28(SE)8\" TAP

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SCHEDULE

## ALIGNMENT CODES:

'J' = JOHNS ST  
'W' = WALTER ST  
'RR' = RAILROAD XCROSSING

UTILITIES W/REPLACEMENT  
PROJECT NO. 53W1589

SHEET NO.  
U-7

SANITARY SEWER SCHEDULE CITY OF MADISON

### PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS #1	16'W+19.03	LT-118.80	854.25	836.82	17.43	
SAS #2	15'W+56.11	RT-6.92	853.14	837.40	15.74	5' DIAMETER, INSERT CHIMNEY SEAL
SAS #3	13'W+83.69	RT-5.46	851.32	838.05	13.27	
SAS #4	12'W+49.70	RT-7.44	849.75	838.42	11.33	INSERT CHIMNEY SEAL
SAS #5	10'W+56.08	RT-10.90	850.96	841.28	9.68	
SAS #6	52'J+59.46	RT-1.80	850.10	839.11	10.99	INSERT CHIMNEY SEAL
SAS #7	56'J+86.89	LT-3.45	850.66	840.24	10.42	INSERT CHIMNEY SEAL
SAS #8	56'J+45.21	RT-103.83	851.46	841.44	10.02	
SAS #9	15'W+61.24	RT-41.61	852.70	840.12	12.58	
SAS #10	16'W+70.95	RT-7.35	855.05	837.63	17.42	
SAS #11	22'RR'+83.06	RT-3.45	854.20	838.20	16.00	
SAS #12	23'RR'+49.10	RT-34.36	852.85	838.35	14.50	
** SAS #13	<del>57'W+25.00</del>	<del>LT-3.60</del>	<del>850.75</del>	<del>840.36</del>	<del>10.39</del>	
15" STUB	57'W+33.06	LT-3.27		840.38		FUTURE MANHOLE AT JOHNS & MARQGARET ST TO BE LOCATED AT NORTHING-EASTING: 487808.5915, 836926.7726, EI= 841.63

### 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	836.84	837.40	133	0.42%	21"	SDR-26	
SAS#2	SAS#3	837.53	838.05	191	0.26%	15"	SDR-26	
SAS#3	SAS#4	838.07	838.42	133	0.26%	15"	SDR-26	
SAS#4	SAS#5	839.67	841.28	193	0.83%	8"	SDR-35	
SAS#4	SAS#6	838.45	839.11	252	0.26%	15"	SDR-26	
SAS#6	SAS#7	839.13	840.24	427	0.26%	15"	SDR-35	
SAS#7	SAS#8	841.07	841.44	115	0.32%	10"	AWWA C900 DR 18	
SAS#7	EX.SAS 6243-011	841.07	841.27	20	1.00%	12"	SDR-35	
SAS#2	SAS#9	840.12	840.27	37	0.40%	10"	SDR-26	
SAS#2	SAS#10	837.43	837.63	96	0.21%	18"	SDR-26	
SAS#10	SAS#11	837.63	838.20	250	0.23%	18"	SDR-26	BORE & JACK CASING
SAS#11	SAS#12	838.20	838.35	73	0.21%	18"	SDR-26	
SAS#12	EX.SAS 6242-008	838.37	838.45	38	0.21%	15"	SDR-26	
** SAS#7	STUB	840.26	840.38	46	0.26%	15"	SDR-35	INSTALL ELECTRONIC MARKER BALL ABOVE 15" STUB

### SANITARY SEWER STRUCTURE REMOVALS

STRUC. ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH
6243-005	15'W+58.20	RT-21.24	853.19	837.77	15.42
6243-006	16'W+38.28	RT-18.16	853.64	837.91	15.73
6243-007	12'W+70.04	RT-17.25	850.00	836.78	13.22
6243-008	10'W+56.08	RT-10.90	850.96	839.81	11.15
6243-009	52'J+47.90	LT-22.32	850.30	840.35	9.95
6243-010	54'J+90.82	LT-22.80	850.65	840.89	9.76
6243-012	56'J+45.21	RT-103.83	851.46	843.84	7.62

### SANITARY SEWER PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	NOTES
16'W+19.03 LT118.80'	15'W+98.31 LT71.08'	51	N	18" RCP
6243-008	11'W+03.67 RT 14.97'	48	N	18" VP
6242-008	SAS#12	38	N	18" VP
6243-005	SAS#9	21	N	8" VP
6243-011	6243-012	135	N	8" VP

### SANITARY SEWER UTILITY LINE OPENINGS(ULOs)

STRUC. ULO #	STATION	LOCATION (OFFSET)	UTILITY FACILITY	NOTES
SAN ULO1	16'W+19.03	LT-118.80	CONFIRM 18" SAN.SEWER ELEVATION	EI CONFIRMED TO BE 836.69'
SAN ULO2	17'W+11.83	LT-19.79	TELEPHONE/ELECTRIC	
SAN ULO3	17'W+24.17	LT-28.37	21" SAN	
SAN ULO4	17'W+42.49	LT-40.53	SPRINT FIBER OPTIC	
SAN ULO5	17'W+82.21	LT-66.87	WILTEL FIBER OPTIC	

### SANITARY SEWER STRUCTURE ABANDONMENTS

STRUC. ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH
6242-007	23'RR'+02.55	LT-9.01	848.47	838.17	10.30

### ABANDON SANITARY SEWER

ABANDON FROM	ABANDON TO	LENGTH (FT)	PIPE SIZE	TYPE	NOTES
15'W+98.31 LT71.08'	6243-005	101	18"	VP	PIPE PLUGS
6243-005	6243-007	285	12"	VP	PIPE PLUGS
6243-007	6242-007	203	12"	VP	PIPE PLUGS
6242-007	6242-008	163	12"	VP	PIPE PLUGS
6242-007	6243-009	231	12"	VP	PIPE PLUGS
6243-009	6243-010	243	12"	VP	PIPE PLUGS
6243-010	6243-011	204	12"	VP	PIPE PLUGS
11'W+03.67 RT 14.97'	6243-007	164	18"	VP	PIPE PLUGS

# STORM SEWER SCHEDULE

## ALIGNMENT CODES:

'JS' =JOHN STREET  
'WS' =WALTER STREET

\* REVISED 4/24/13 EEA

+ REVISED 7/2/13 EEA

UTILITIES W/ REPLACEMENT 2013	SHEET NO.
PROJECT NO. 53W1589	U-8
JOHNS STREET	
STORM SEWER SCHEDULE	CITY OF MADISON

### STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-0	12'WS'+28.00	LT-27.39	STM TAP	-	845.35	-	TAP EX AS 6243-002
S-1	12'WS'+27.72	LT-10.00	3X3 SAS	849.77	845.44	4.33	FP; W/ R-1550-0054; (1); (2)
S-1A	50'JS'+27.75	RT-21.65	STM TAP	-	846.30	-	TAP EX AS 6243-029
S-1B	50'JS'+27.65	RT-27.12	H INLET	849.90	846.37	3.53	W/ R-3067-7004-V
S-1C	50'JS'+19.00	LT-32.60	H INLET	849.82	846.57	3.25	W/ R-3067-7004-V
+ S-2	13'WS'+39.12	LT-10.84	3X3 SAS	850.95	<b>846.00</b>	<b>4.95</b>	W/ R-1550-0054
+ S-3	15'WS'+27.61	LT-11.41	3X3 SAS	852.97	<b>846.94</b>	<b>6.03</b>	W/ R-1550-0054
S-3A	15'WS'+28.00	LT-18.30	H INLET	852.73	848.93	3.80	W/ R-3067-7004-V
+ S-4	15'WS'+34.66	RT-35.43	H INLET	852.80	<b>846.94</b>	<b>5.86</b>	W/ R-1878-B7L; (1)
+ S-4A	15'WS'+40.61	RT-35.18	H INLET	852.44	<b>848.30</b>	<b>4.14</b>	W/ R-3067-7004-V
+ S-5	15'WS'+62.52	RT-16.93	3X3 SAS	853.35	<b>847.17</b>	6.18	W/ R-1550-0054
S-5A	15'WS'+90.00	RT-21.30	H INLET	853.23	849.88	3.35	W/ R-3067-7004-V
+* S-6	15'WS'+68.47	RT-55.43	PIPE PLUG	-	<b>847.34</b>	-	-
S-7	52'JS'+38.00	RT-22.00	STM TAP	-	846.44	-	TAP EX AS 6243-030
S-7A	52'JS'+37.70	RT-15.50	H INLET	850.07	846.57	3.50	W/ R-3067-7004-V
S-7B	53'JS'+35.00	LT-15.50	STM TAP	-	846.91	-	TAP EX IN 6243-033
S-8	53'JS'+80.00	RT-21.40	STM TAP	-	846.71	-	TAP EX AS 6243-037
S-8A	53'JS'+80.62	RT-15.50	H INLET	850.26	846.75	3.51	W/ R-3067-7004-V
S-8B	53'JS'+81.00	LT-15.50	H INLET	849.92	846.90	3.02	W/ R-3067-7004-V
S-9	55'JS'+32.50	RT-22.00	STM TAP	-	847.24	-	TAP EX AS 6243-018
S-9A	55'JS'+34.47	RT-15.50	H INLET	850.06	847.28	2.78	FP; W/ R-3067-7004-V
S-9B	55'JS'+42.00	LT-15.50	H INLET	849.89	847.44	2.45	FP; W/ R-3067-7004-V
S-10	56'JS'+91.52	RT-9.45	STM TAP	-	847.74	-	TAP EX AS 6243-009
S-10A	56'JS'+73.00	LT-20.00	STM TAP	-	847.91	-	TAP EX IN 6243-011
S-11	57'JS'+04.00	RT-21.50	STM TAP	-	847.82	-	TAP EX AS 6243-008
S-11A	57'JS'+24.00	LT-28.00	STM TAP	-	848.08	-	TAP EX IN 6243-012
+ S-12	56'JS'+51.60	RT-21.00	CONCRETE COLLAR	-	<b>846.77</b>	-	(1)
+ S-13	56'JS'+60.60	RT-21.00	3X3 SAS	850.53	<b>846.77</b>	<b>3.76</b>	FP; W/ R-1550-0054
+ S-14	56'JS'+87.50	RT-21.00	STM TAP	-	<b>846.77</b>	-	TAP EX AS 6243-010
S-15	56'JS'+53.00	RT-36.00	H INLET	850.48	847.32	3.16	W/ R-3067-7004-V
S-16	23'RR'+47.21	LT-6.00	STM TAP	-	848.86	-	TAP EX IN 6242-029
S-17	23'RR'+59.60	RT-34.40	H INLET	853.04	849.61	3.43	W/ R-3067-7004-V
S-18	23'RR'+56.80	RT-41.94	H INLET	853.16	849.88	3.28	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-0	S-0	S-1	18	845.35	845.44	0.50%	30"	RCP	-
+ P-1	S-1	S-2	112	<b>845.44</b>	<b>846.00</b>	0.50%	21"	RCP	<b>NCM</b>
P-1A	S-1A	S-1B	5	846.30	846.37	1.40%	12"	RCP	NCM
P-1B	S-1A	S-1C	54	846.30	846.57	0.50%	12"	RCP	NCM
+ P-2	S-2	S-3	189	<b>846.00</b>	<b>846.94</b>	0.50%	21"	RCP	-
+ P-3	S-3	S-3A	6	<b>848.69</b>	848.93	4.00%	12"	RCP	<b>NCM</b>
+ P-4	S-3	S-4	47	<b>846.94</b>	<b>846.94</b>	<b>0.00%</b>	12"	RCP	NCM
+ P-4A	S-4	S-4A	6	<b>846.94</b>	848.30	22.67%	12"	RCP	-
+ P-5	S-3	S-5	45	<b>846.94</b>	<b>847.17</b>	0.51%	21"	RCP	-
+ P-5A	S-5	S-5A	28	<b>847.92</b>	849.88	7.00%	12"	RCP	-
+* P-6	S-5	S-6	33	<b>847.17</b>	<b>847.34</b>	<b>0.52%</b>	21"	RCP	-
P-7	S-7	S-7A	7	846.44	846.57	1.86%	12"	RCP	NCM
P-7A	S-7A	S-7B	29	846.57	846.91	1.17%	12"	RCP	-
P-8	S-8	S-8A	7	846.71	846.75	0.57%	12"	RCP	NCM
P-8A	S-8A	S-8B	30	846.75	846.90	0.50%	12"	RCP	-
P-9	S-9	S-9A	7	847.24	847.28	0.57%	12"	RCP	NCM
P-9A	S-9A	S-9B	32	847.28	847.44	0.50%	12"	RCP	-
P-10	S-10	S-10A	33	847.74	847.91	0.52%	12"	RCP	-
P-11	S-11	S-11A	52	847.82	848.08	0.50%	12"	RCP	-
+ P-12	S-12	S-13	9	<b>846.77</b>	<b>846.77</b>	0.00%	24"	RCP	-
+ P-12A	S-13	S-14	27	<b>846.77</b>	<b>846.77</b>	0.00%	24"	RCP	-
P-13	S-13	S-15	16	847.24	847.32	0.50%	12"	RCP	-
P-14	S-16	S-17	43	848.86	849.61	1.74%	12"	RCP	-
P-15	S-17	S-18	8	849.61	849.88	3.37%	12"	RCP	-

### SPECIFIC NOTES

- (1) ULO TO BE COMPLETED PRIOR TO ANY STORM SEWER WORK
- (2) RECONNECT EX 24" STM PIPE (SOUTH EAST)

## ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
+ ULO-1	12'WS'+27.72	LT-10.00	STORM	<b>STM TOP CONCRETE CASE= 848.2323, BOTTOM=845.3939</b>
+ ULO-2	12'WS'+64.71	LT-8.60	GAS	<b>TOP 3" STEEL= 844.5243; OK STORM ABOVE GAS</b>
+ ULO-3	50'JS'+20.75	LT-17.50	GAS	<b>TOP 3" STEEL=845.1814; OK STORM ABOVE GAS</b>
+ ULO-4	15'WS'+34.66	RT-35.43	STORM	<b>TOP 12" VCP STORM=848.1350</b>
+ ULO-5	15'WS'+76.59	RT-26.88	GAS	<b>ULO ELIMINATED</b>
+ ULO-6	55'JS'+33.29	RT-18.65	ELEC & TV	<b>TOP ELEC= 846.6383; TOP TV=846.6612; OK STORM ABOVE ELEC &amp; TV</b>
+ ULO-7	56'JS'+51.60	RT-21.00	STORM & TV	<b>STM TOP 24" CMP=848.7792; TOP 2X3 PLASTIC TEL=845.7665</b>
+ ULO-8	56'JS'+68.00	RT-21.00	GAS	<b>TOP 5" STEEL=846.4798; OK STORM ABOVE GAS</b>
+ ULO-9	56'JS'+80.76	LT-7.60	GAS	<b>TOP 5" STEEL=846.4492; OK STORM ABOVE GAS</b>
+ ULO-10	57'JS'+20.00	LT-18.30	GAS	<b>TOP 3" STEEL= 845.8997; OK STORM ABOVE GAS</b>
+ ULO-11	<b>15'WS'+37.30</b>	<b>RT-23.20</b>	<b>CITY FIBER</b>	<b>4" PVC= 849.9223; OK STORM BELOW</b>
+ ULO-12	<b>15'WS'+63.50</b>	<b>RT-24.00</b>	<b>CITY FIBER</b>	<b>4" PVC=849.3209; OK STORM BELOW</b>

### 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.

**ALIGNMENT CODES:**

'JS' =JOHN STREET  
'WS' =WALTER STREET  
'RR' =RAILROAD

# STORM REMOVALS SCHEDULE

**STORM STRUCTURE REMOVALS**

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
RS-1	IN 6243-032	50'JS'+27.65	RT-27.12	TUB	-
RS-2	IN 6243-031	50'JS'+19.00	LT-32.60	TUB	-
RS-3	IN 6243-004	15'WS'+90.00	RT-21.30	H INLET	-
RS-4	IN 6243-034	52'JS'+37.70	LT-15.50	TUB	-
RS-5	IN 6243-035	53'JS'+81.00	LT-15.50	TUB	-
RS-6	IN 6243-036	53'JS'+80.62	RT-15.50	TUB	-
RS-7	IN 6243-020	55'JS'+42.00	LT-15.50	TUB	-
RS-8	IN 6243-019	55'JS'+34.47	RT-15.50	TUB	-
RS-9	IN 6243-013	56'JS'+53.00	RT-36.00	TUB	-
RS-10	IN 6242-030	23'RR'+59.80	RT-34.50	H INLET	-
RS-11	IN 6242-031	23'RR'+56.70	RT-42.30	H INLET	-

**STORM PIPE REMOVALS**

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
RP-0	S-0	S-1	18	N	24"	RCP	-
RP-1	S-1A	RS-1	5	N	12"	VP	-
RP-2	S-1A	RS-2	50	N	12"	VP	-
RP-3	ABS-1	S-4	63	N	12"	VP	-
RP-4	ABS-1	S-5A	77	Y	12"	VP	-
RP-5	RS-4	S-7B	30	N	12"	VP	-
RP-5A	S-7	RS-4	6	N	12"	VP	-
RP-6	RS-5	RS-6	30	N	12"	VP	-
RP-6A	RS-6	S-8	6	N	12"	VP	-
RP-7	RS-7	RS-8	30	N	12"	VP	-
RP-7A	S-9	RS-8	6	N	12"	VP	-
RP-8	S-12	S-14	36	N	30"	HECMP	-
RP-9	S-10	S-10A	33	N	12"	VP	-
RP-10	S-11	S-11A	52	N	12"	VP	-
RP-11	STA 23'RR'+42.80	RS-11	31	Y	12"	VP	TWIN ABANDONED PIPES; TWO PLUGS TO BE PAID
RP-12	RS-10	IN 6242-029	43	N	12"	RCP	-
RP-13	RS-10	RS-11	8	N	12"	RCP	-

**ABANDON STORM STRUCTURE**

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
ABS-1	AS 6243-003	15'WS'+24.40	LT-27.32	CATCHBASIN	PLUG PIPE INCIDENTAL

**ABANDON STORM PIPE**

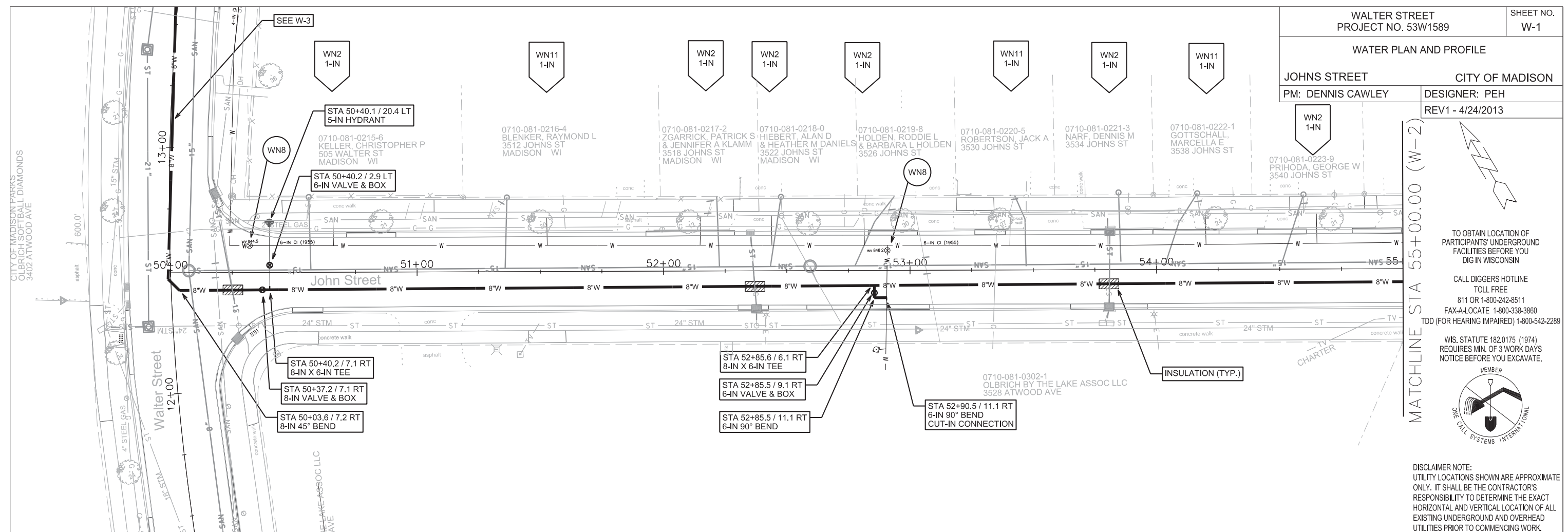
PIPE ABANDON NO.	ABANDON FROM	ABANDON TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
ABP-1	AS 6243-002	ABS-1	300	Y- PLUGS	15"	VP & RCP	ONLY PLUG AT AS 6243-002 TO BE PAID
ABP-2	S-14	RS-9	14	Y-PLUGS	12"	VP	TWO PLUGS PAID

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

ORIGINATOR: CITY OF MADISON STREETS DIVISION

WATER PLAN AND PROFILE

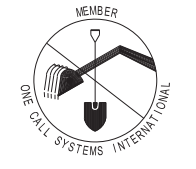
JOHNS STREET CITY OF MADISON  
PM: DENNIS CAWLEY DESIGNER: PEH  
REV1 - 4/24/2013



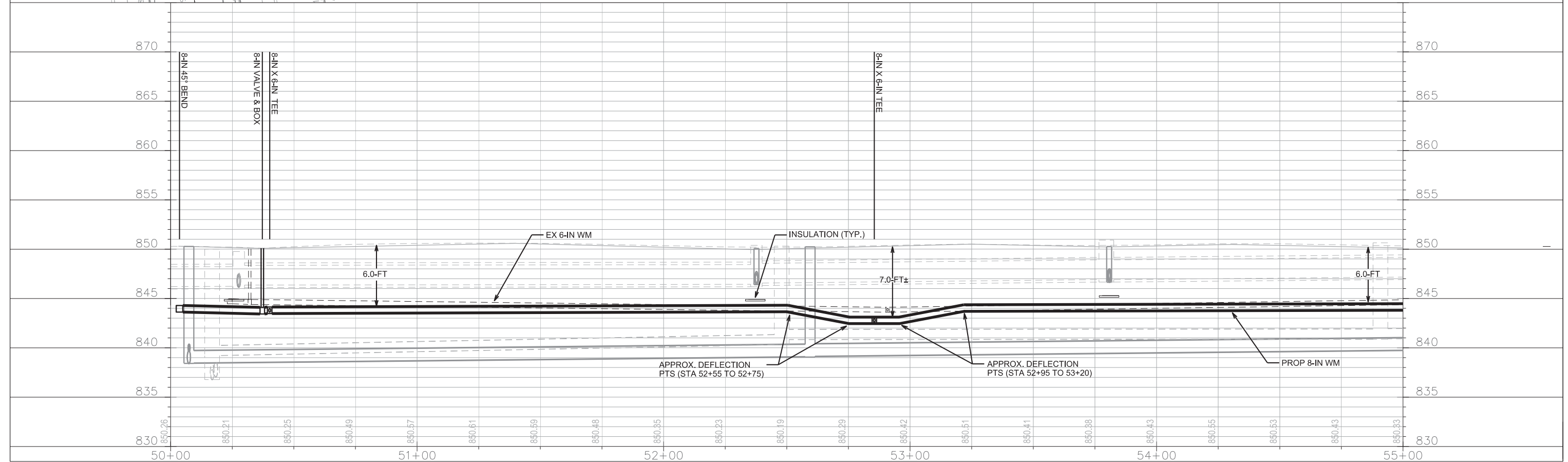
MATCHLINE STA 55+00.00 (W-2)

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
CALL DIGGERS HOTLINE  
TOLL FREE  
811 OR 1-800-242-8511  
FAX-ALOCATE 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.



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.



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

JOHNS STREET

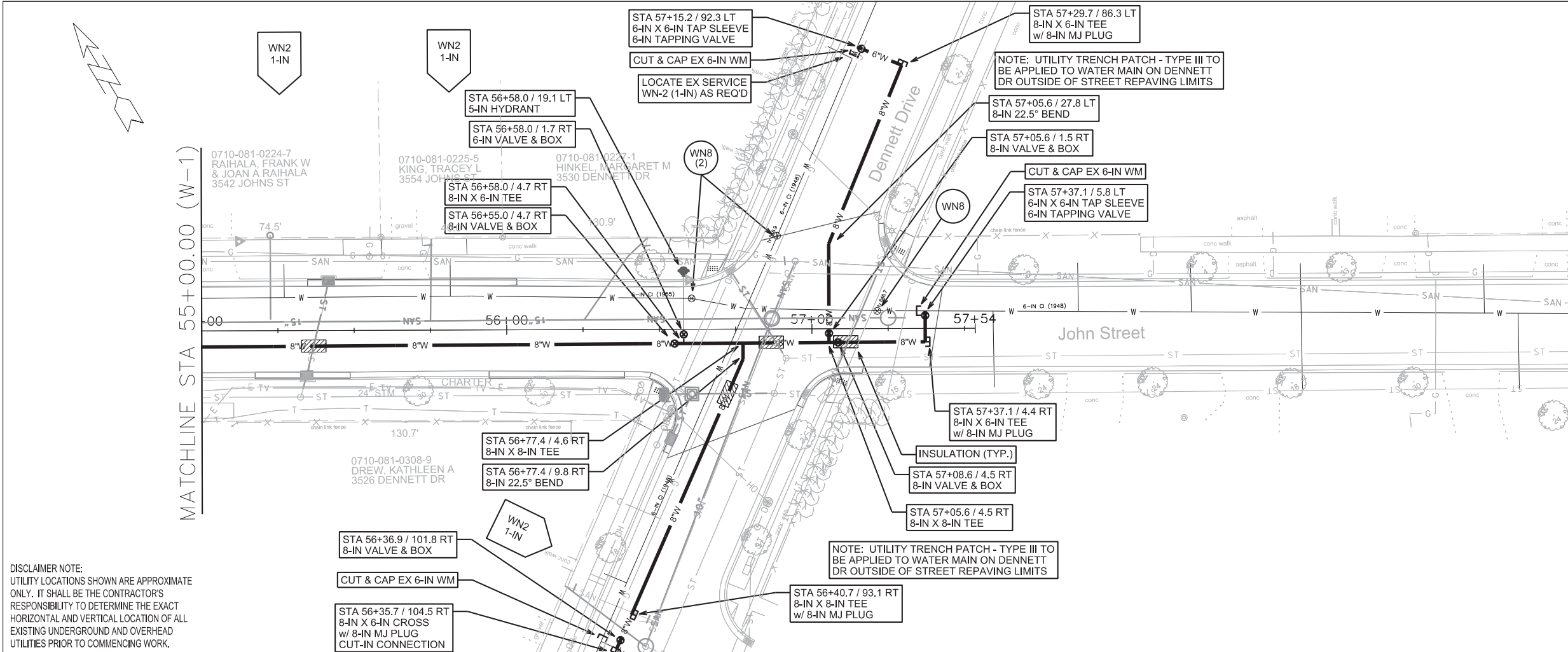
CITY OF MADISON

PM: DENNIS CAWLEY

DESIGNER: PEH

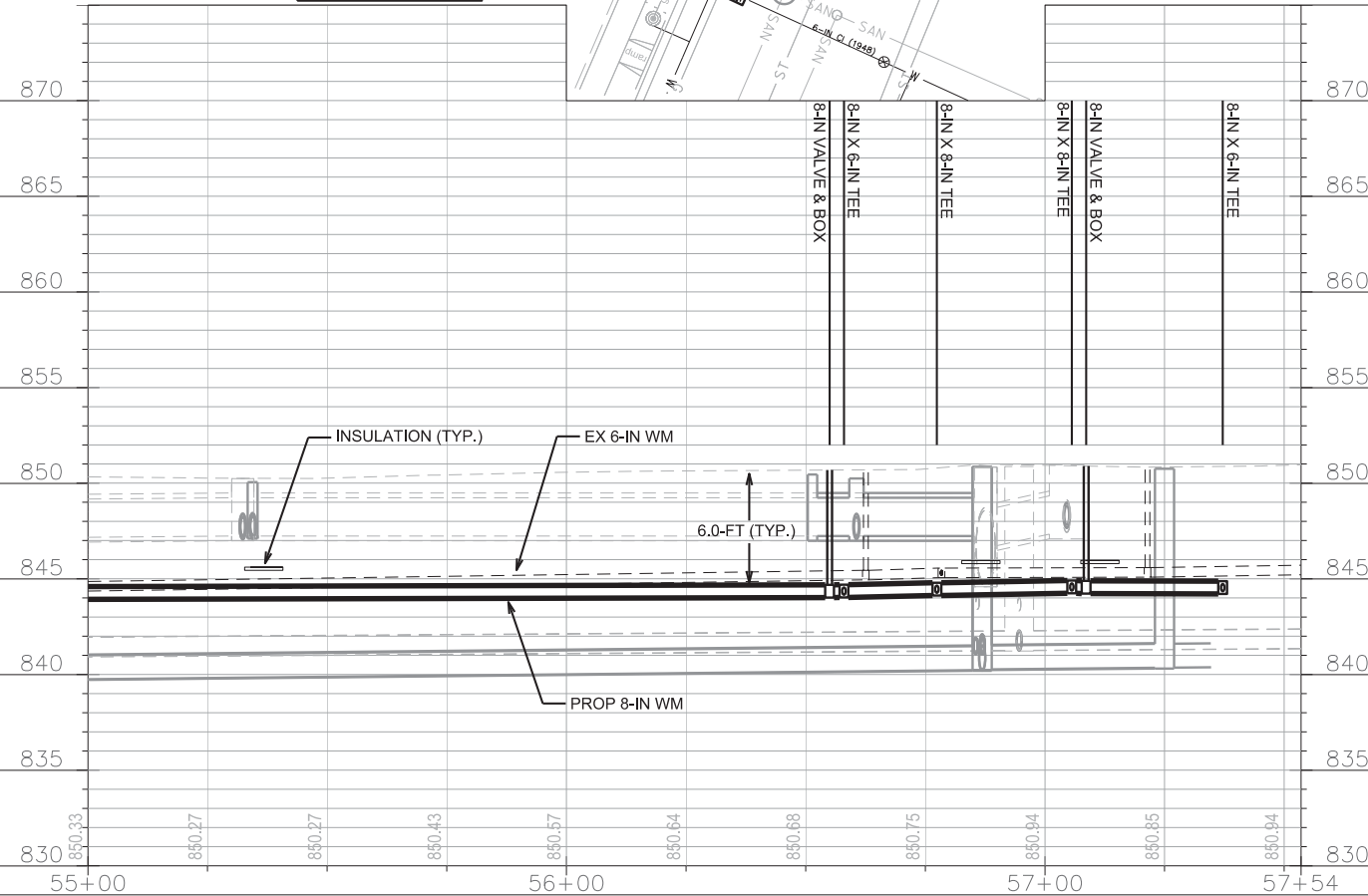
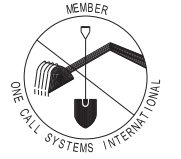
REV1 - 4/24/2013

MATCHLINE STA 55+00.00 (W-1)



DISCLAIMER NOTE:  
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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.



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

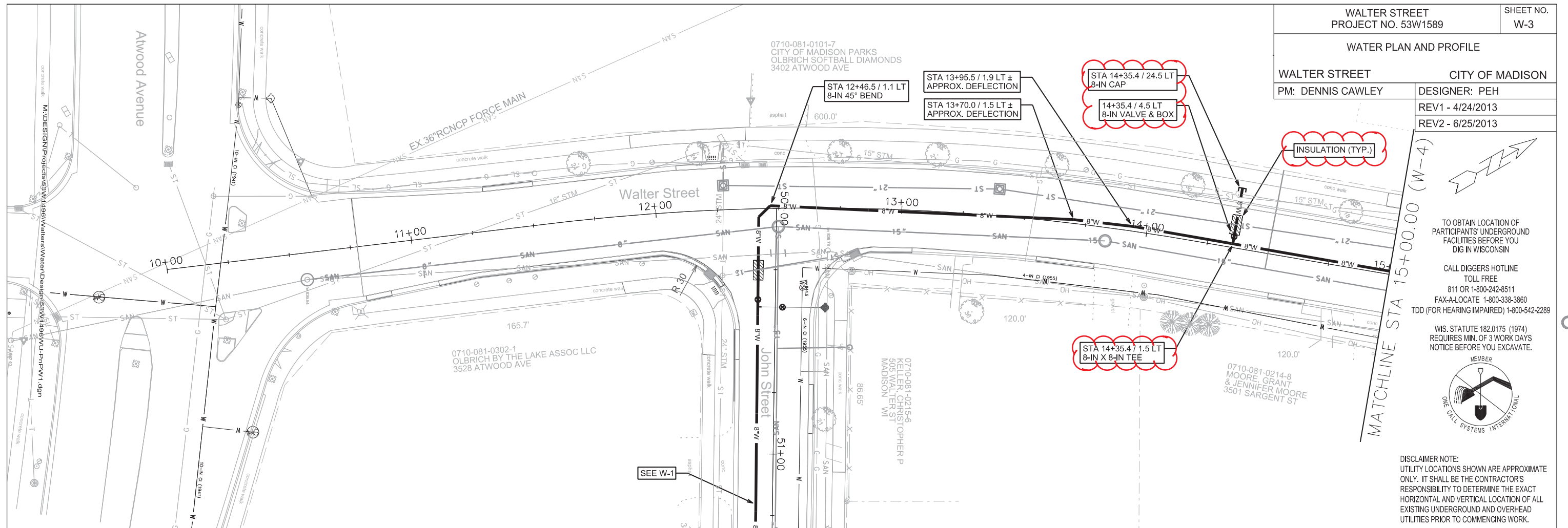
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

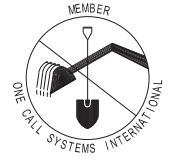
WALTER STREET  
PM: DENNIS CAWLEY

CITY OF MADISON  
DESIGNER: PEH  
REV1 - 4/24/2013  
REV2 - 6/25/2013

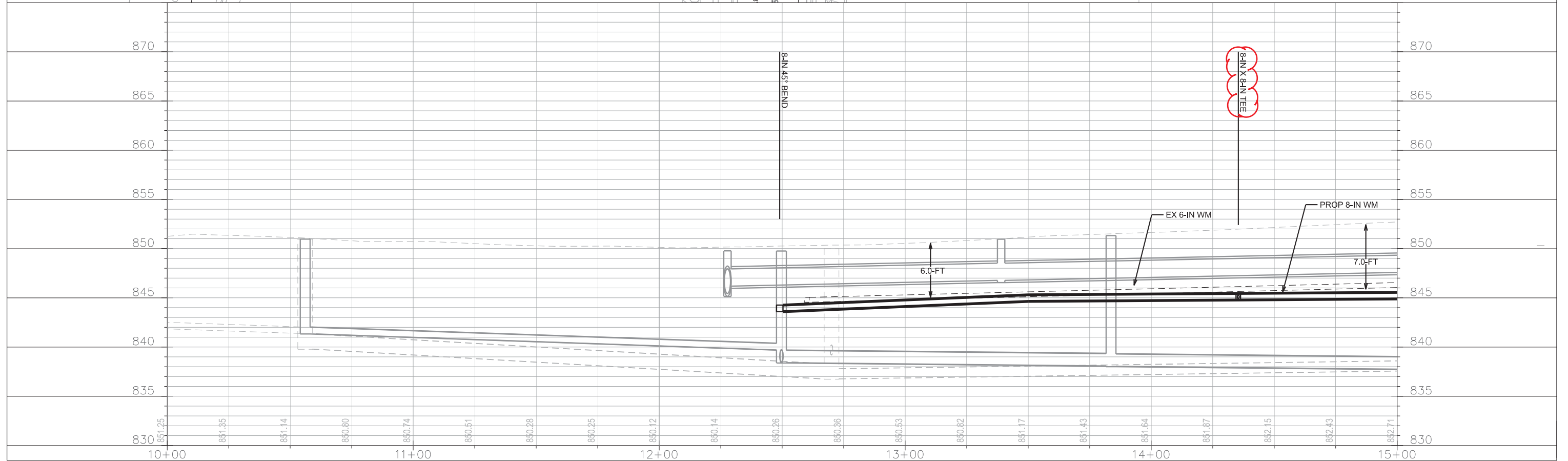


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PLOT SCALE: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

WALTER STREET CITY OF MADISON  
PM: DENNIS CAWLEY DESIGNER: PEH  
REV1 - 4/24/2013

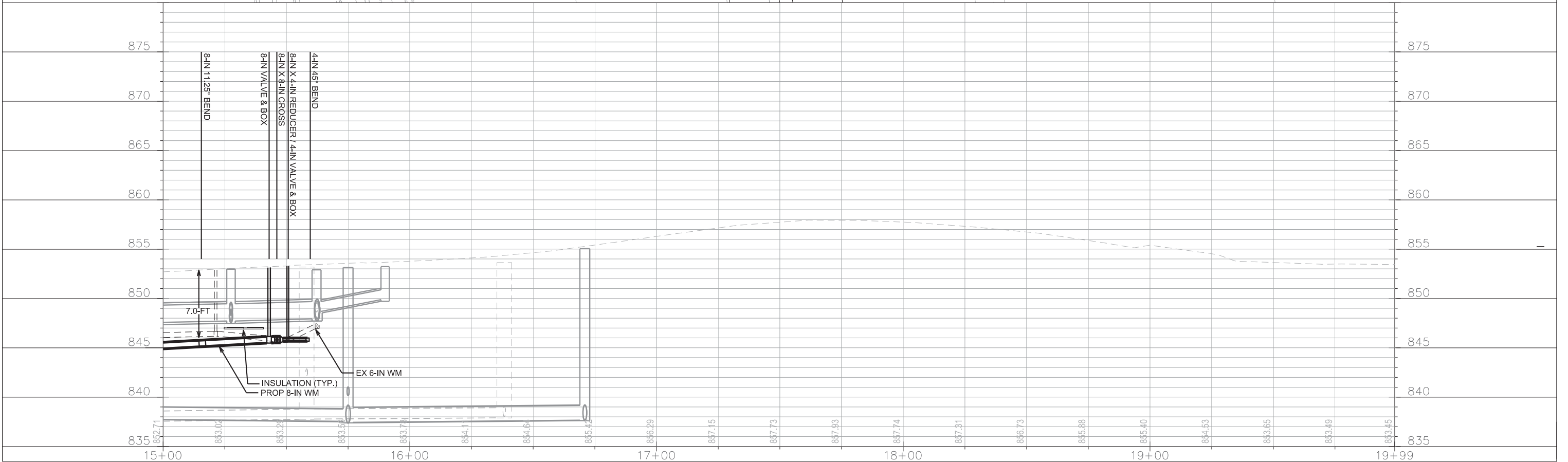
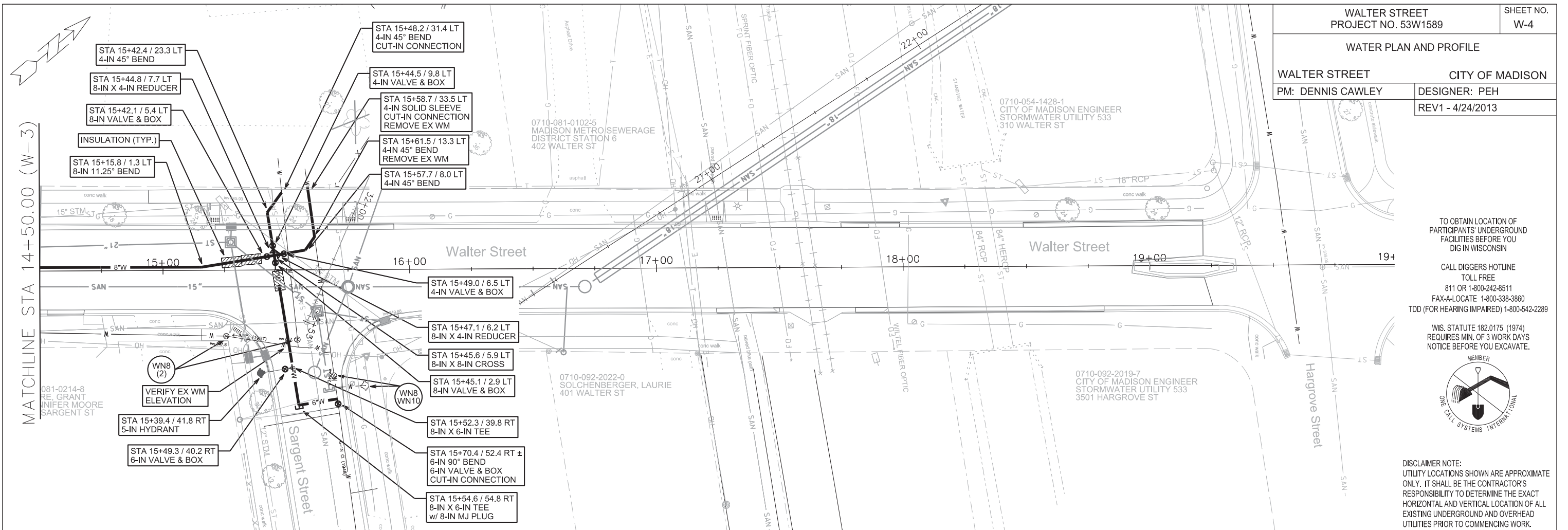
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PLOT SCALE: \_\_\_\_\_

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**CONSTRUCTION NOTES:**

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

- WN1 - REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 - EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN (OR TO THE LARGER PARALLEL EXISTING MAIN).
- WN3 - EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 - DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN (OR TO THE LARGER PARALLEL EXISTING MAIN).
- WN5 - RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 - ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 - FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 - ABANDON THE VALVE BOX.
- WN9 - FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 - REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 - REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

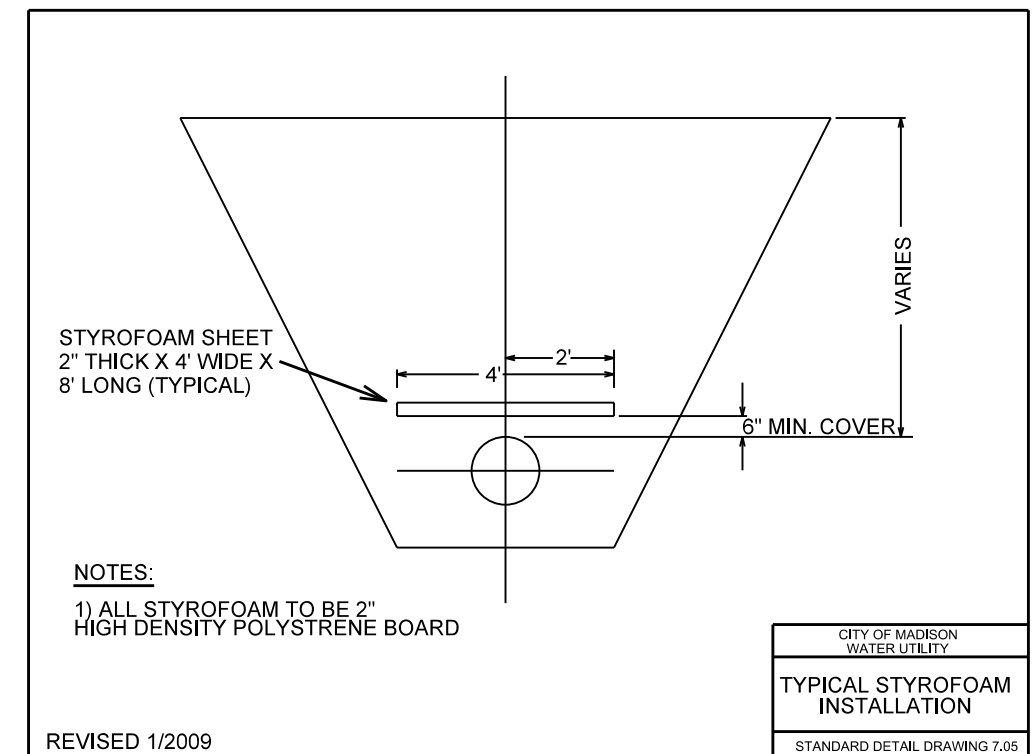
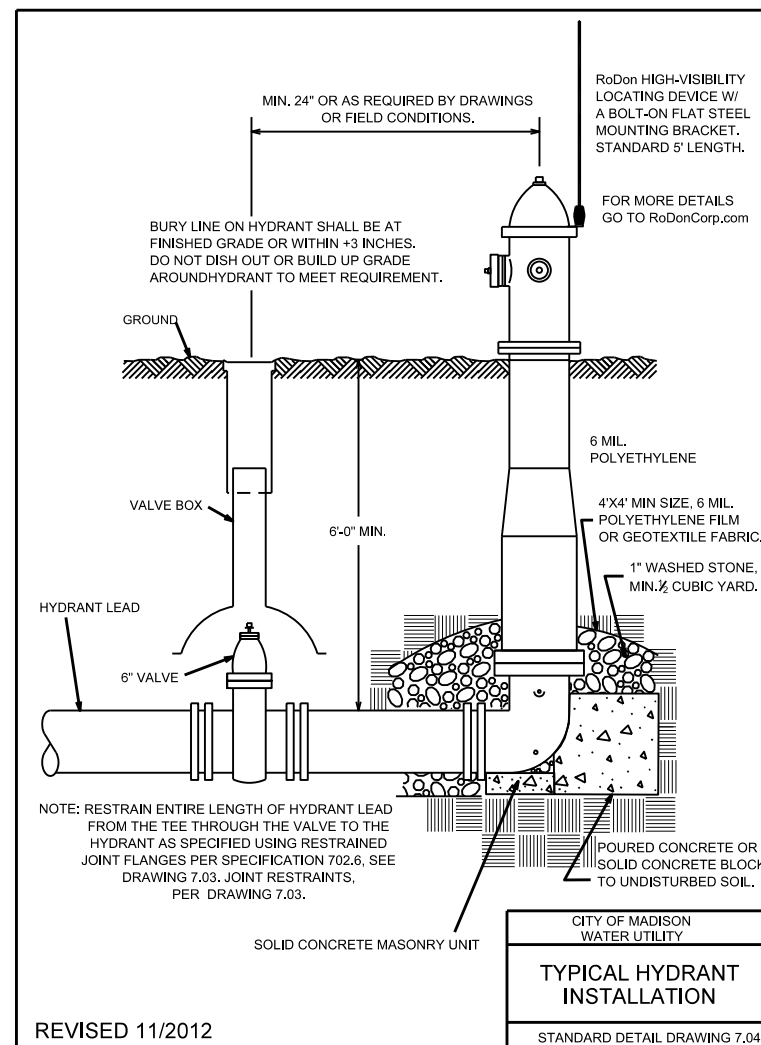
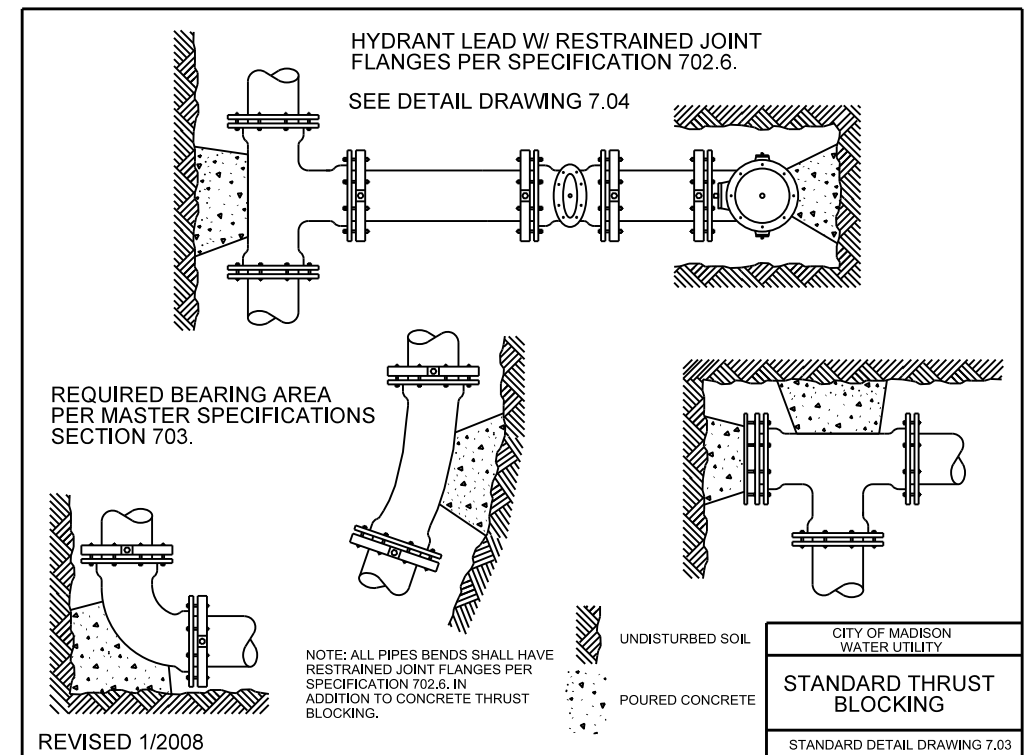
**ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

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

- 80' - 4" PIPE
- 120' - 6" PIPE
- 1320' - 8" PIPE
- 1700' - POLYWRAP
- 2 - 4" VALVE & BOX
- 4 - 6" VALVE & BOX
- 7 - 8" VALVE & BOX
- 7 - 8"x6" TEE
- 3 - 8"x8" TEE
- 1 - 8"x6" CROSS
- 1 - 8"x8" CROSS
- 4 - 4" 45° BEND
- 3 - 6" 90° BEND
- 1 - 8" 11.25° BEND
- 2 - 8" 22.5° BEND
- 2 - 8" 45° BEND
- 2 - 8"x4" REDUCER
- 4 - 6 MJ CAP
- 5 - 8" MJ PLUG
- 3 - 5" HYDRANT
- 88' - 2" STYROFOAM INSULATION
- 1 - 4" SOLID SLEEVE

**MATERIALS SUPPLIED BY CITY:**

- 3 - 6" TAPPING VALVE
- 3 - 6"x6" TAP SLEEVE

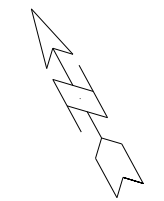
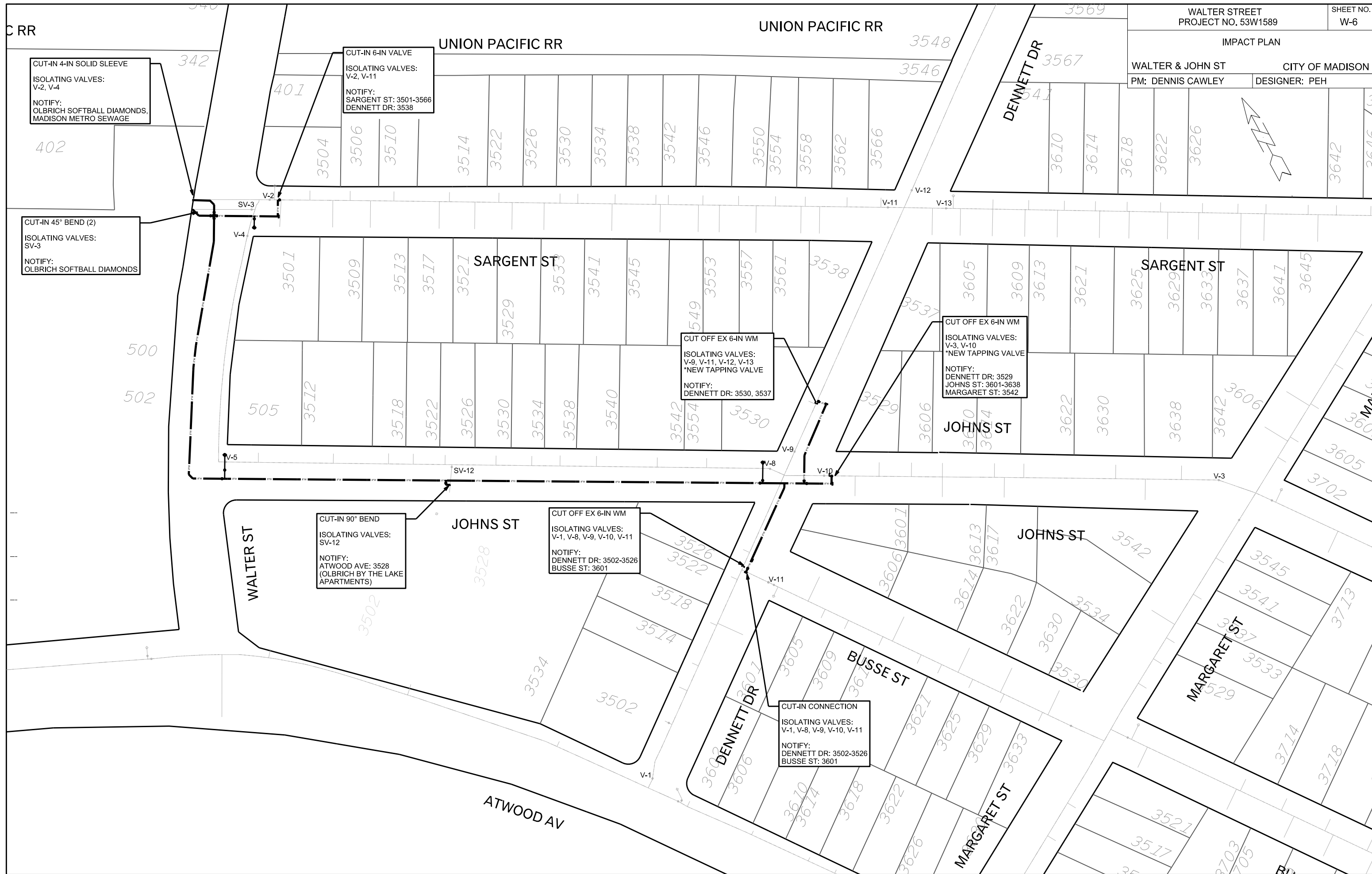


PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CUT-IN 4-IN SOLID SLEEVE  
ISOLATING VALVES:  
V-2, V-4  
NOTIFY:  
OLBRICH SOFTBALL DIAMONDS,  
MADISON METRO SEWAGE

CUT-IN 6-IN VALVE  
ISOLATING VALVES:  
V-2, V-11  
NOTIFY:  
SARGENT ST: 3501-3566  
DENNETT DR: 3538

CUT-IN 45° BEND (2)  
ISOLATING VALVES:  
SV-3  
NOTIFY:  
OLBRICH SOFTBALL DIAMONDS

CUT OFF EX 6-IN WM  
ISOLATING VALVES:  
V-9, V-11, V-12, V-13  
\*NEW TAPPING VALVE  
NOTIFY:  
DENNETT DR: 3530, 3537

CUT OFF EX 6-IN WM  
ISOLATING VALVES:  
V-3, V-10  
\*NEW TAPPING VALVE  
NOTIFY:  
DENNETT DR: 3529  
JOHNS ST: 3601-3638  
MARGARET ST: 3542

CUT-IN 90° BEND  
ISOLATING VALVES:  
SV-12  
NOTIFY:  
ATWOOD AVE: 3528  
(OLBRICH BY THE LAKE  
APARTMENTS)

CUT OFF EX 6-IN WM  
ISOLATING VALVES:  
V-1, V-8, V-9, V-10, V-11  
NOTIFY:  
DENNETT DR: 3502-3526  
BUSSE ST: 3601

CUT-IN CONNECTION  
ISOLATING VALVES:  
V-1, V-8, V-9, V-10, V-11  
NOTIFY:  
DENNETT DR: 3502-3526  
BUSSE ST: 3601

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION