



Madison, Wisconsin

CITY OF MADISON

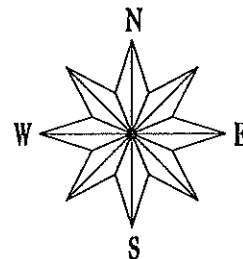
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

UTILITY REPLACEMENT WITH REUSRFACING - 2013
(N BROOKS ST, CLYMER PL, BERNARD CT
& LANGDON ST)

CITY PROJECT NO. 53W1496

CONTRACT NO. 7004



INDEX OF SHEETS

SHEET NO.	TITLE
1	DETAILS
EC1-EC6	EROSION CONTROL PLAN
PI-P6	STREET PLAN & PROFILE
UI-U6	UTILITY PLAN AND PROFILE
U7-U9	UTILITY SCHEDULES
WI-W6	WATER PLAN & PROFILE
W7	WATER MATERIALS
W8-W9	WATER IMPACT PLAN
W10	WATER-SANITARY LATERAL REPAIR

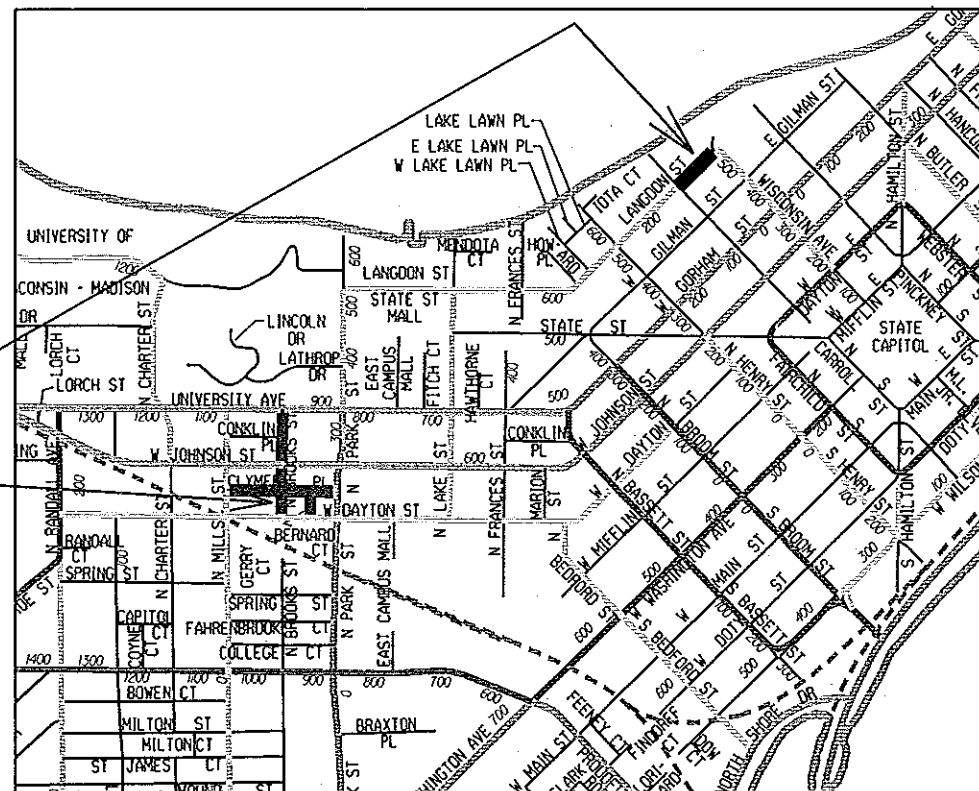
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	⚡
COMBUSTIBLE FLUIDS	⚡

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%.



EARTH WORK SUMMARY:
TOTAL EXCAVATION CUT (MEASURED PLAN QUANTITY)..... 935 C.Y.
(LANGDON STREET 445 C.Y.)
(CLYMER PL, BERNARD CT 490 C.Y.)
ESTIMATED UNDISTRIBUTED UNDERCUT..... 70 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT..... 1005 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

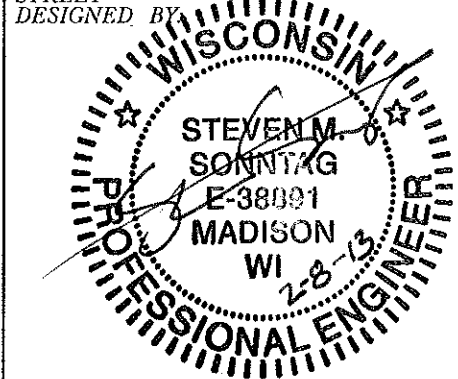
February 5, 2013

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

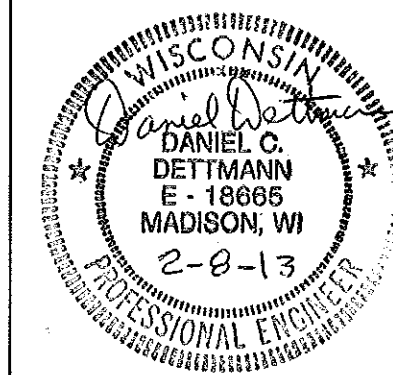
PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 2/11/13
City Engineer Date

STREET DESIGNED BY:



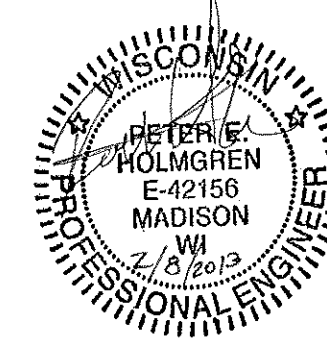
ELECTRICAL DESIGNED BY:



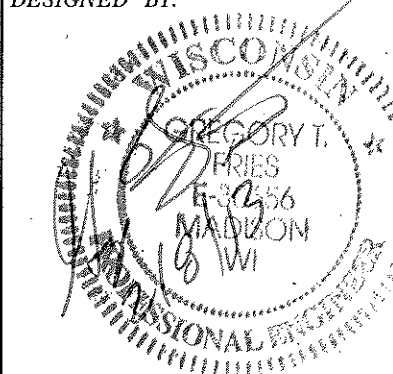
SANITARY SEWER DESIGNED BY:

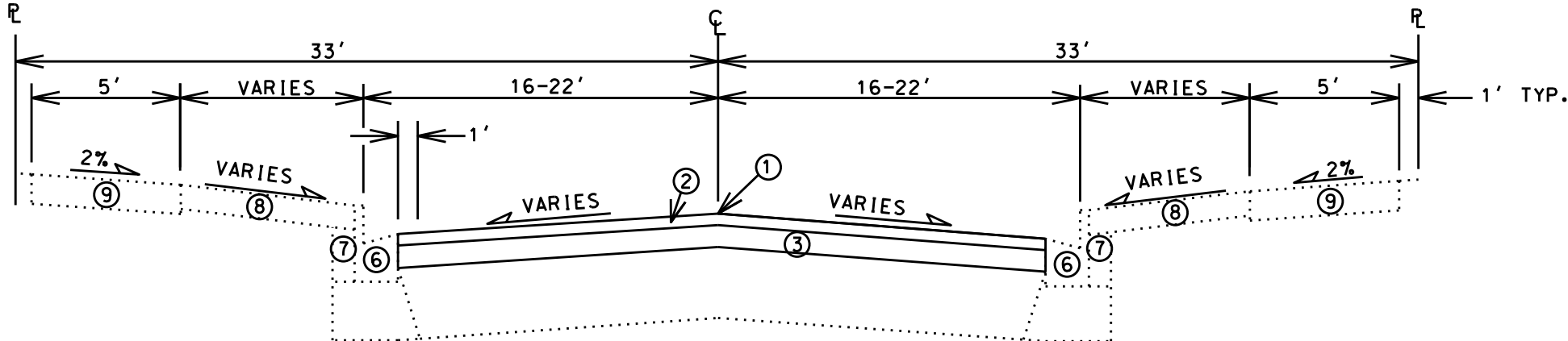


WATER DESIGNED BY:



STORM SEWER DESIGNED BY:

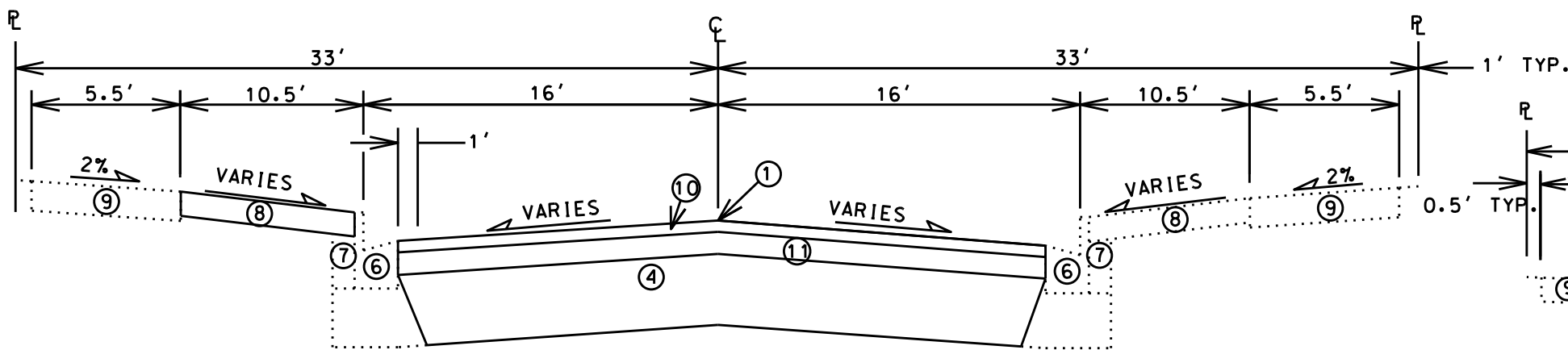




TYPICAL FINISHED SECTION

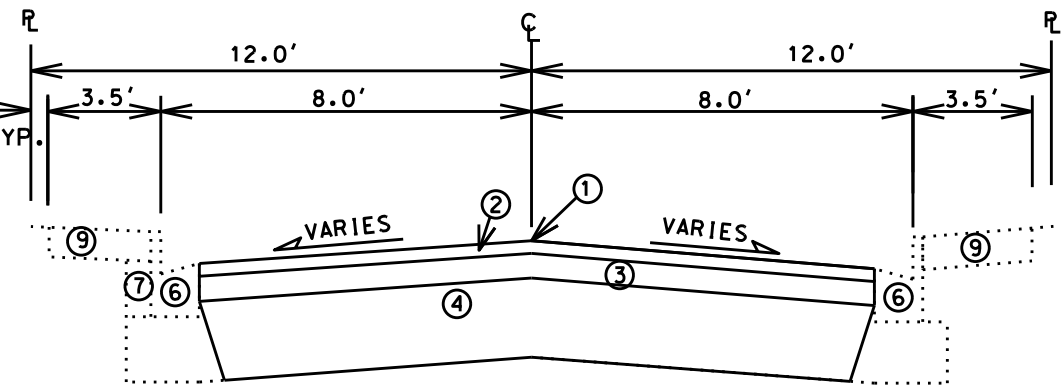
N BROOKS STREET - STA. 10+75 - STA. 14+00
 N BROOKS STREET - STA. 15+00 - STA. 18+37

- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER, TYPE E-1.0(SEE SPECIALS)
- ③ 2" BITUMINOUS LOWER LAYER, TYPE E-1.0(SEE SPECIALS)
- ④ 10" GRADATION 2 OR GRADATION 3(TOP 2" FOR LEVELING PURPOSES ONLY)
CRUSHED AGGREGATE BASE COURSE
- ⑥ TYPE 'A', 'G' OR 'X' CONCRETE CURB & GUTTER
- ⑦ FILL
- ⑧ 4" TOPSOIL & SEED & MATTING OR C-1 CONCRETE (SEE PLANS)
- ⑨ 5" CONCRETE SIDEWALK, REPLACE AS NOTED IN PLAN
- ⑩ 2" BITUMINOUS UPPER LAYER, TYPE E-1.0(SEE SPECIALS)
- ⑪ 3.25" BITUMINOUS LOWER LAYER, TYPE E-1.0(SEE SPECIALS)
- ⑫ 1.75" BITUMINOUS UPPER LAYER, TYPE E-0.3(SEE SPECIALS)
- ⑬ 1.75" BITUMINOUS LOWER LAYER, TYPE E-0.3(SEE SPECIALS)



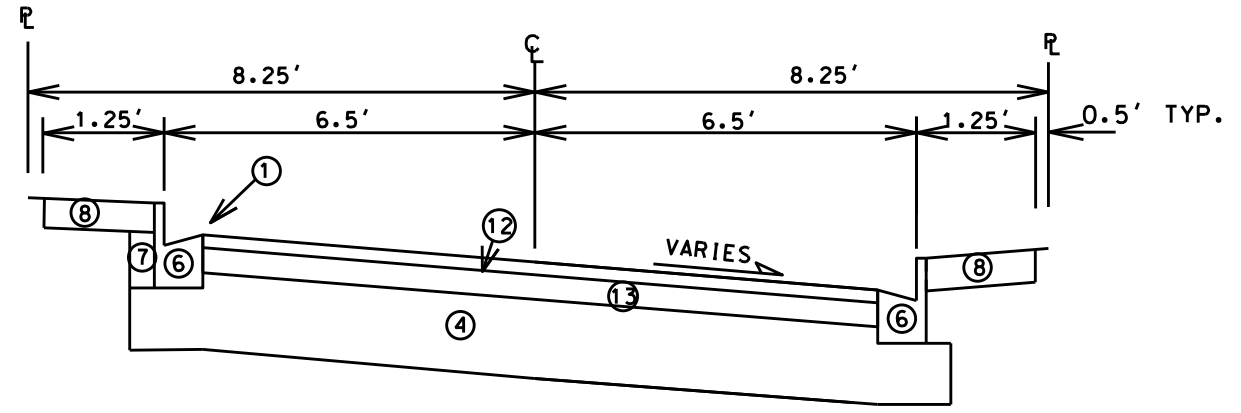
TYPICAL FINISHED SECTION

LANGDON STREET



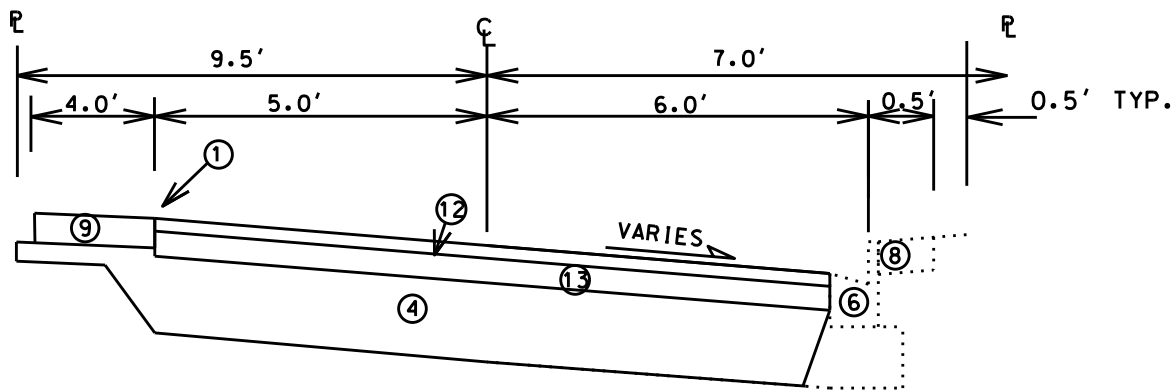
TYPICAL FINISHED SECTION

BERNARD COURT



TYPICAL FINISHED SECTION

CLYMER PLACE - STA. 30+10 - STA. 34+10



TYPICAL FINISHED SECTION

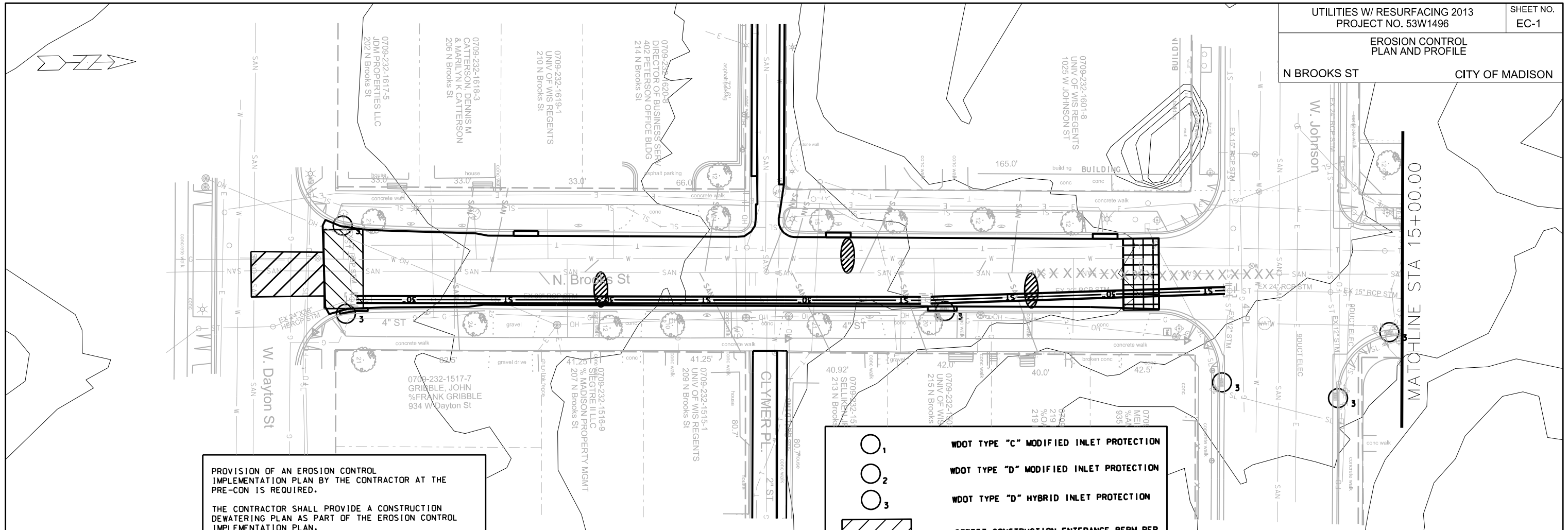
CLYMER PLACE - STA. 34+58 - STA. 38+03

TYPICAL SECTIONS NOT TO SCALE

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

EROSION CONTROL
PLAN AND PROFILE

N BROOKS ST CITY OF MADISON



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

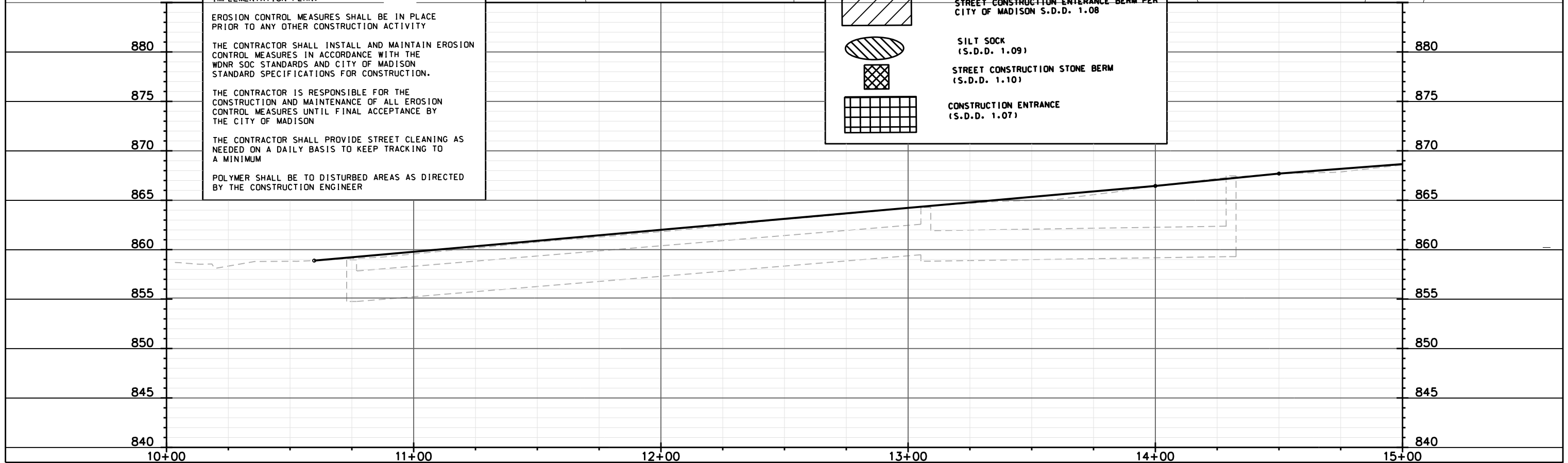
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS FOR CONSTRUCTION.

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 PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM

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

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	WDOT TYPE "D" MODIFIED INLET PROTECTION
	WDOT TYPE "D" HYBRID INLET PROTECTION
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	SILT SOCK (S.D.D. 1.09)
	STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)
	CONSTRUCTION ENTRANCE (S.D.D. 1.07)



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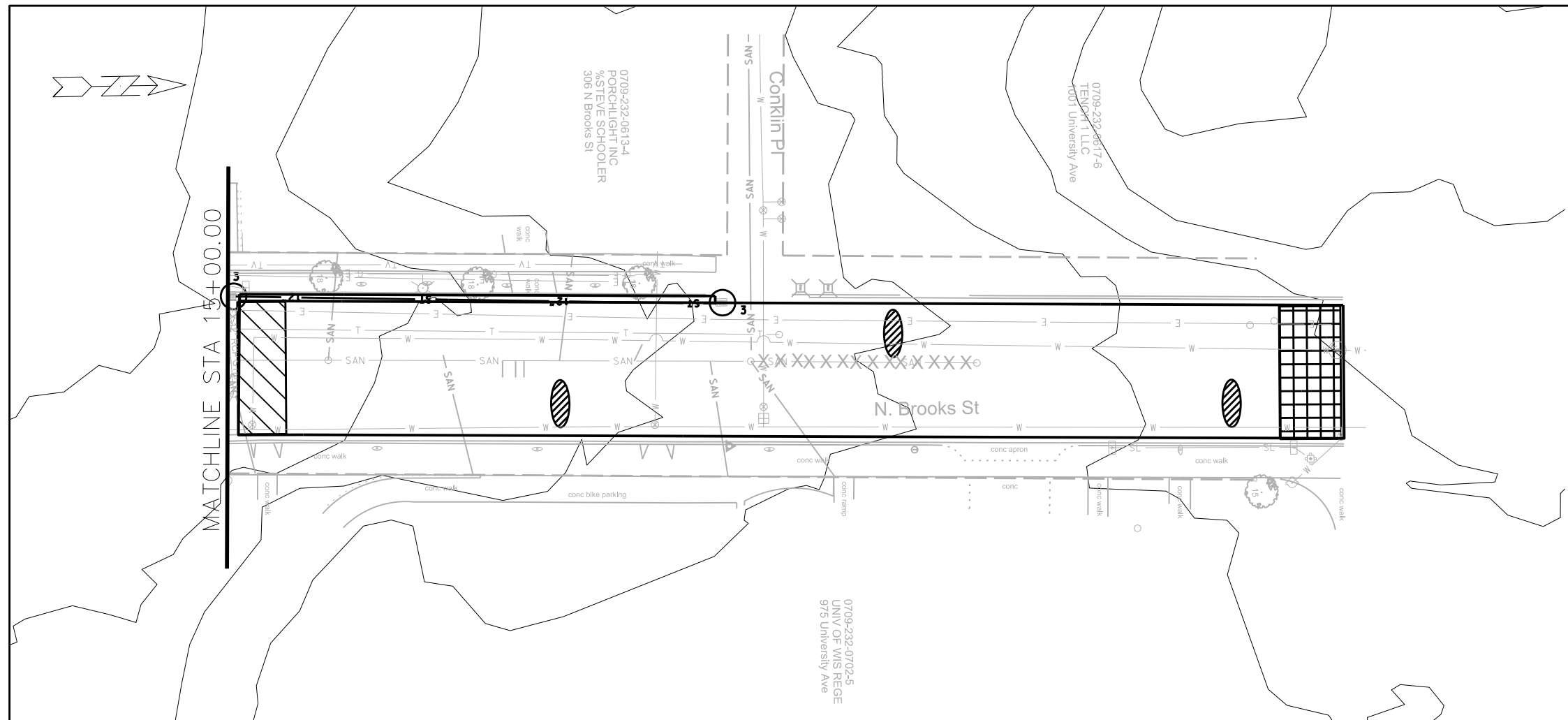
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EROSION CONTROL
PLAN AND PROFILE

N BROOKS ST

CITY OF MADISON



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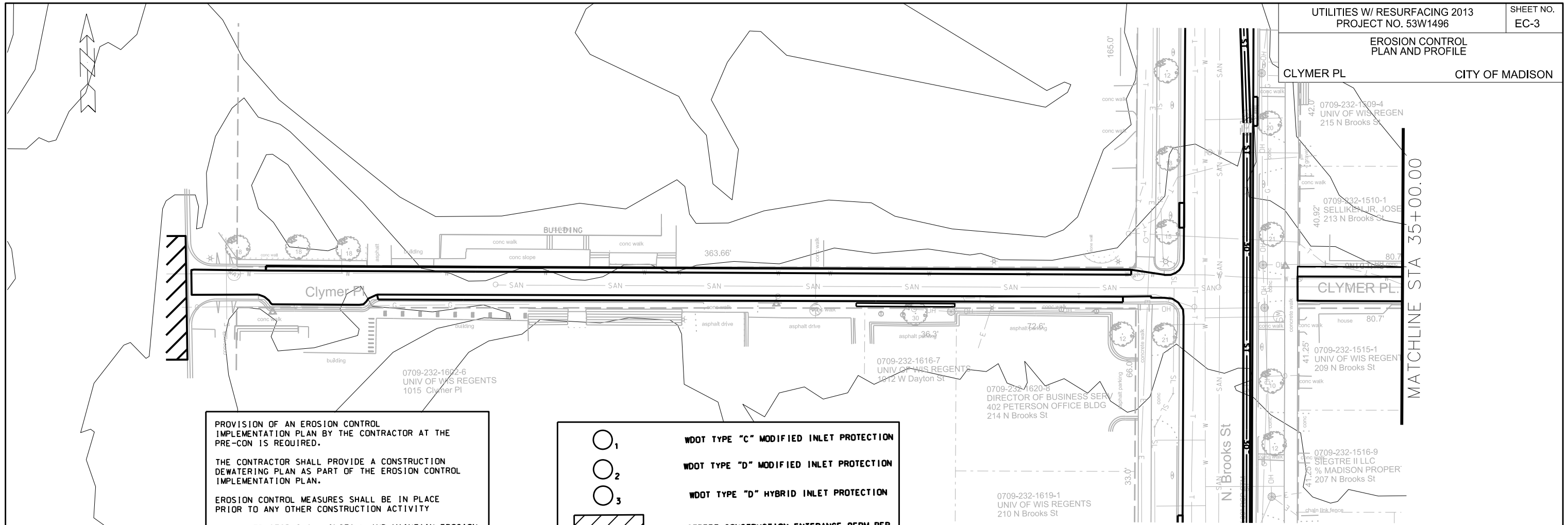
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EROSION CONTROL
PLAN AND PROFILE

CLYMER PL

CITY OF MADISON



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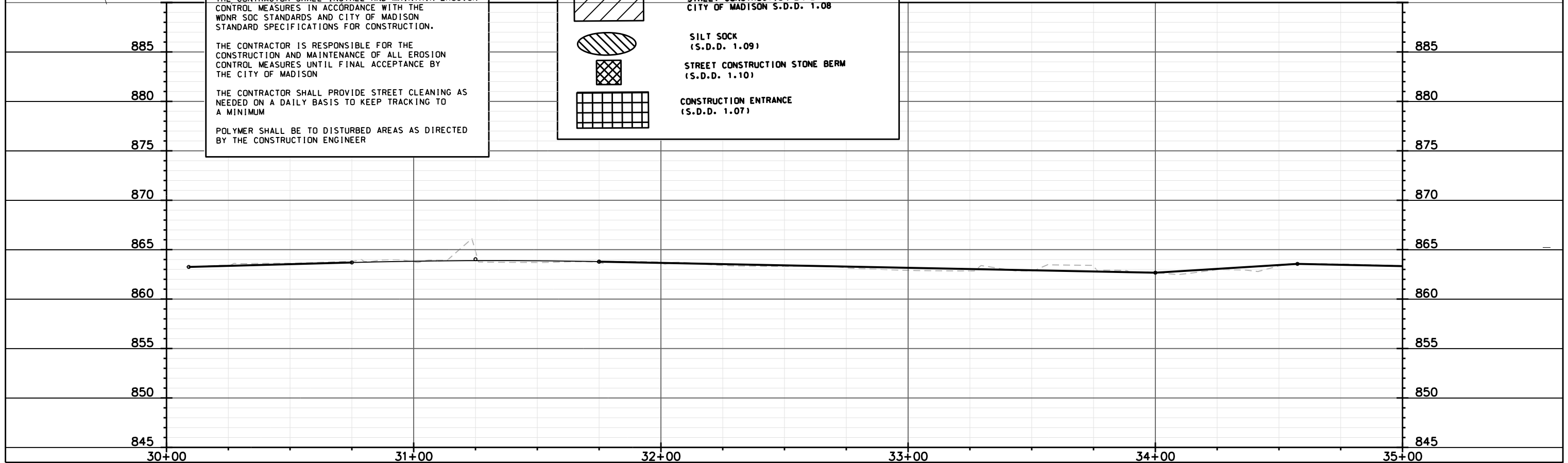
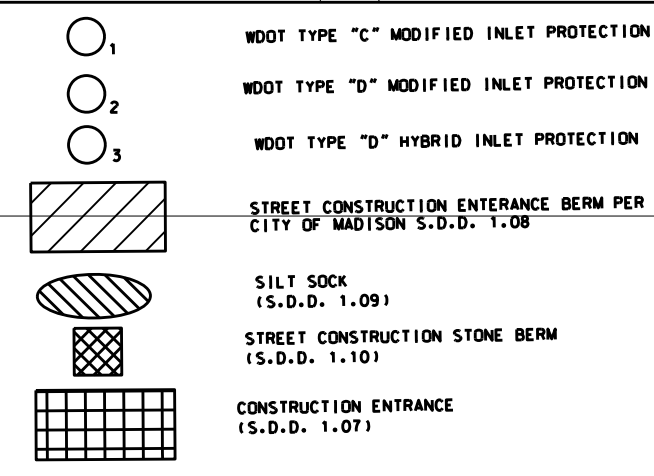
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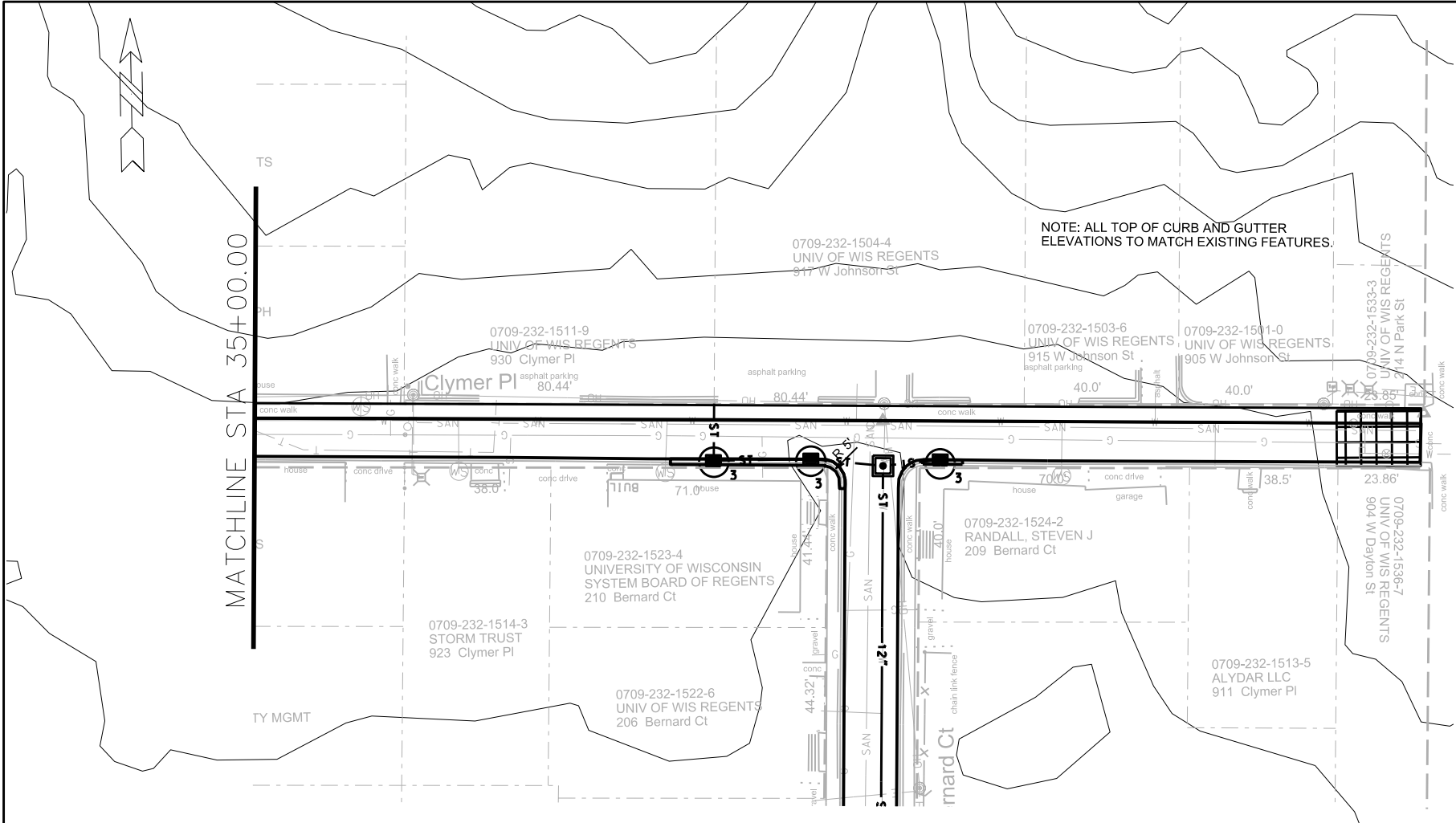


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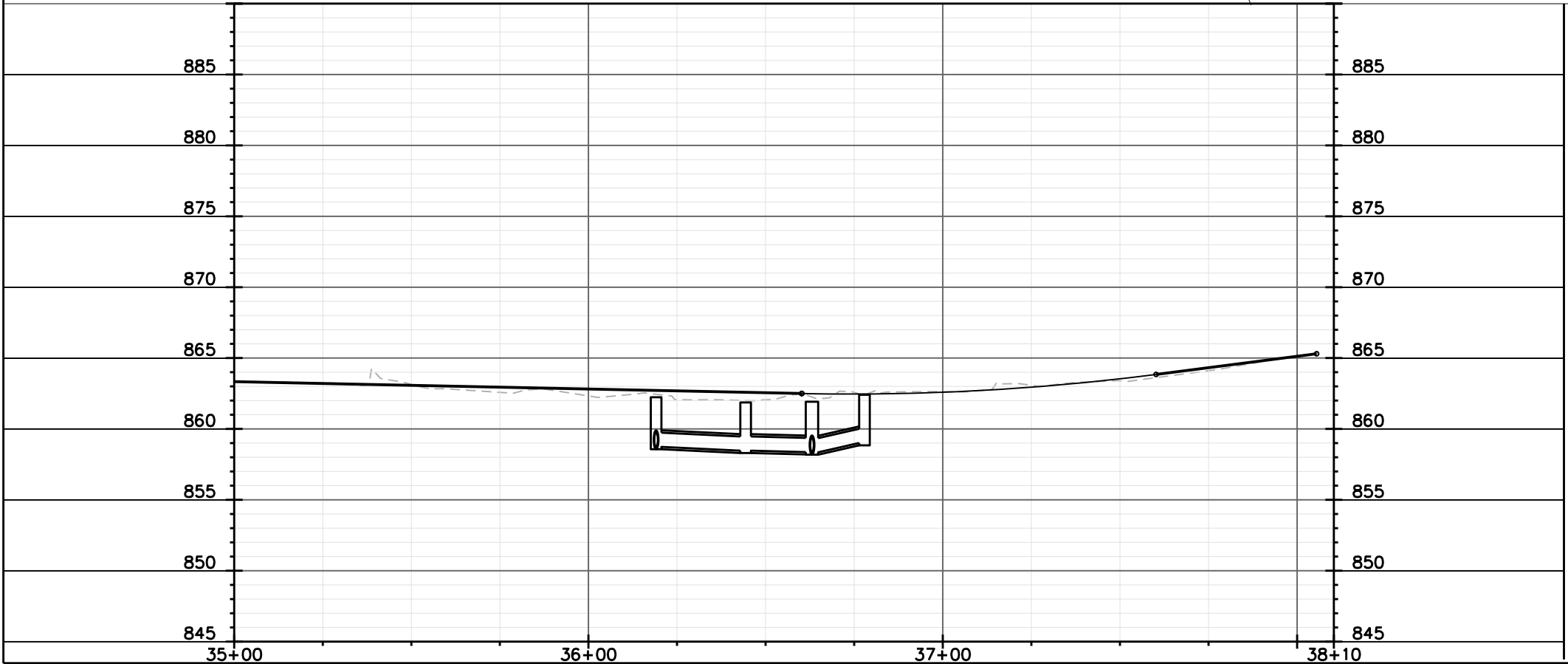
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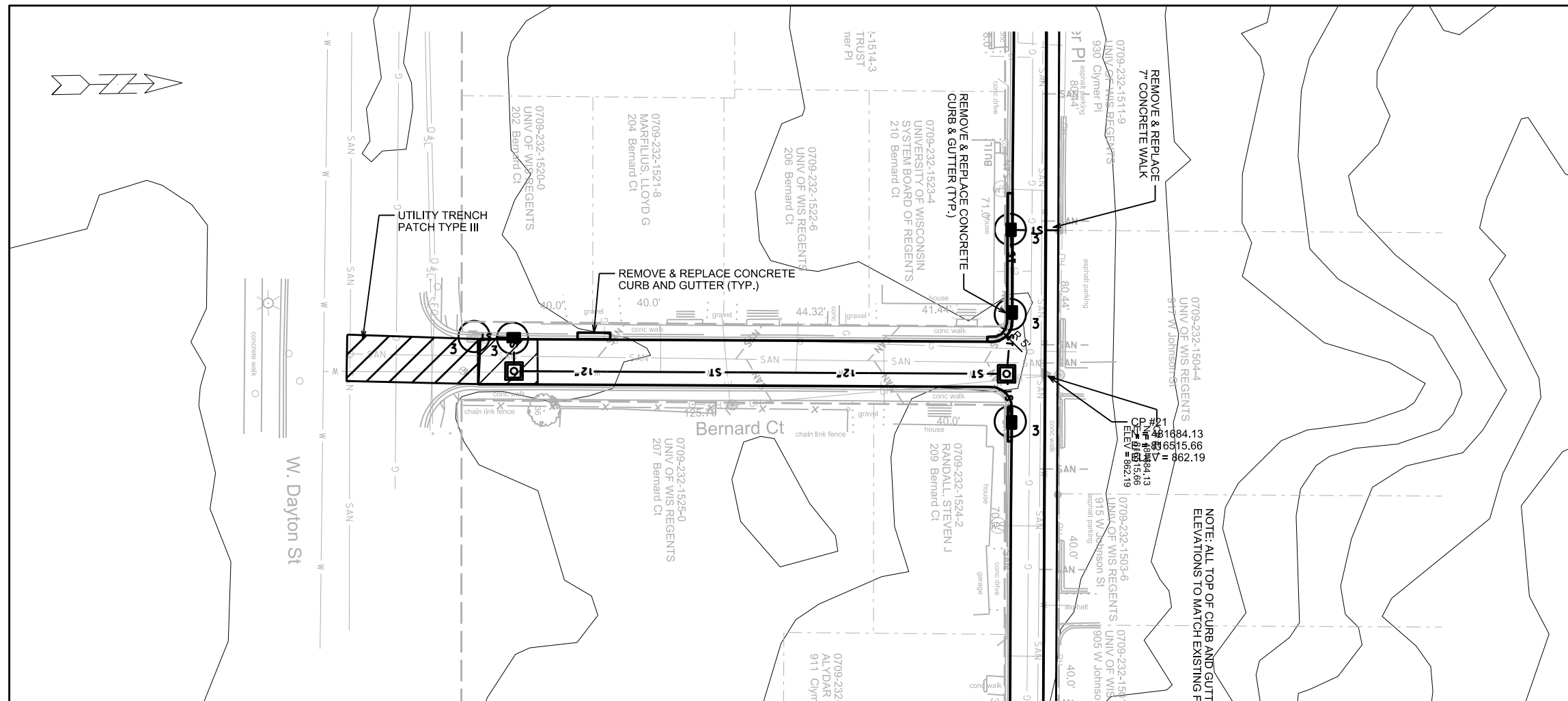
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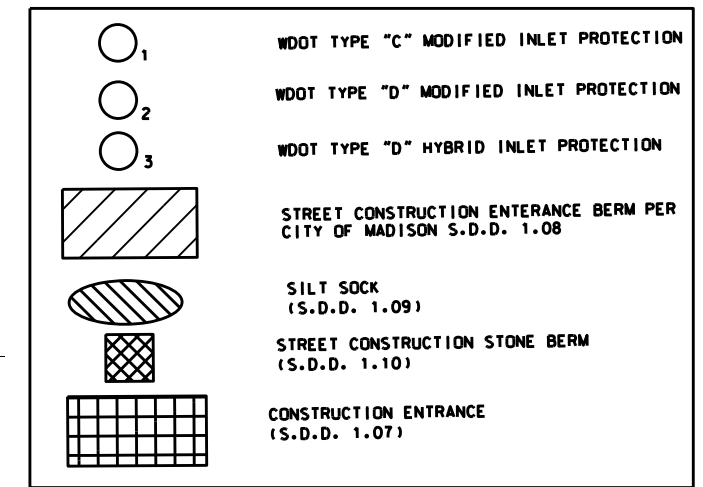
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NOTE: ALL TOP OF CURB AND GUTTI ELEVATIONS TO MATCH EXISTING FI

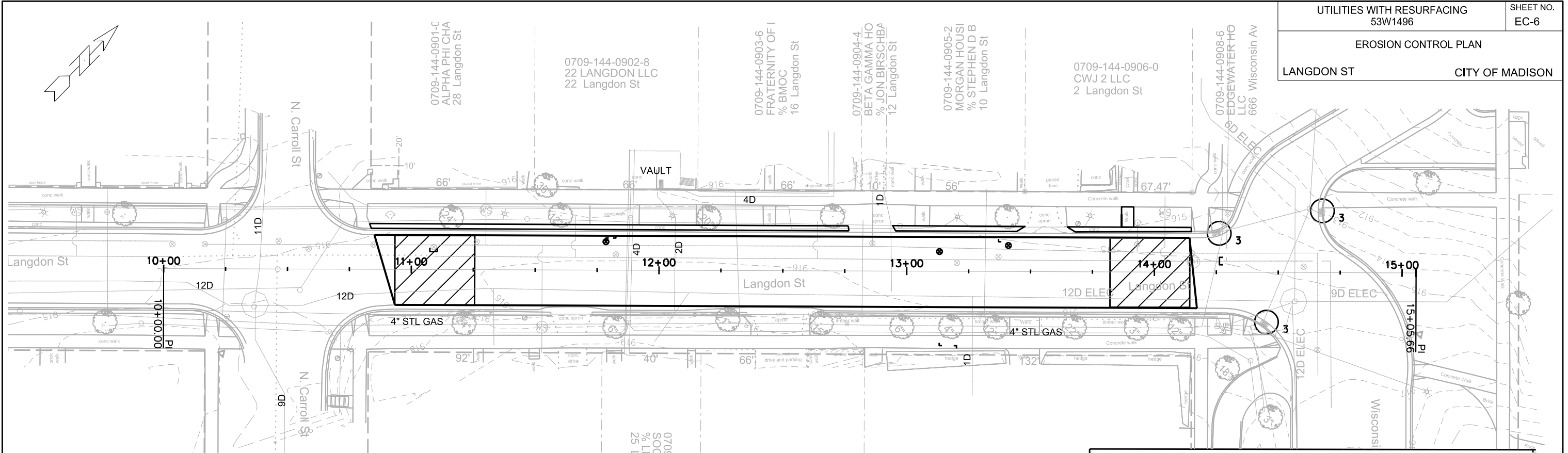


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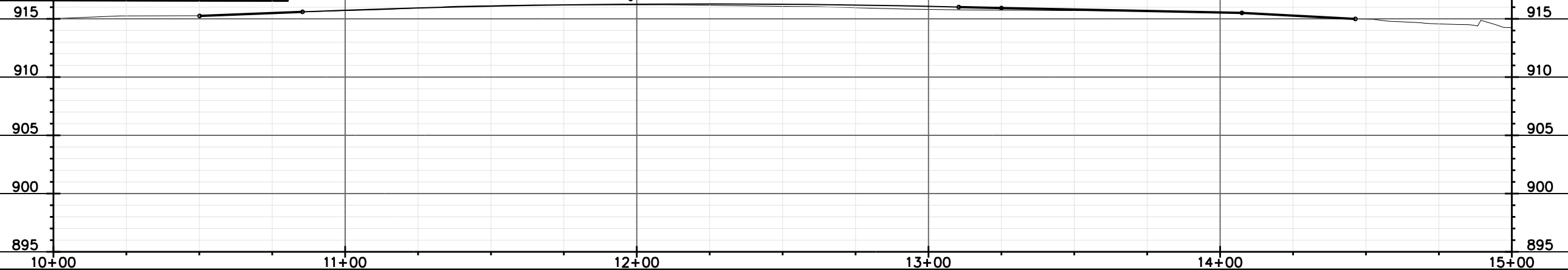
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POLYMER SHALL BE APPLIED IN ADVANCE OF A PREDICTED 40% CHANCE OF RAIN.

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

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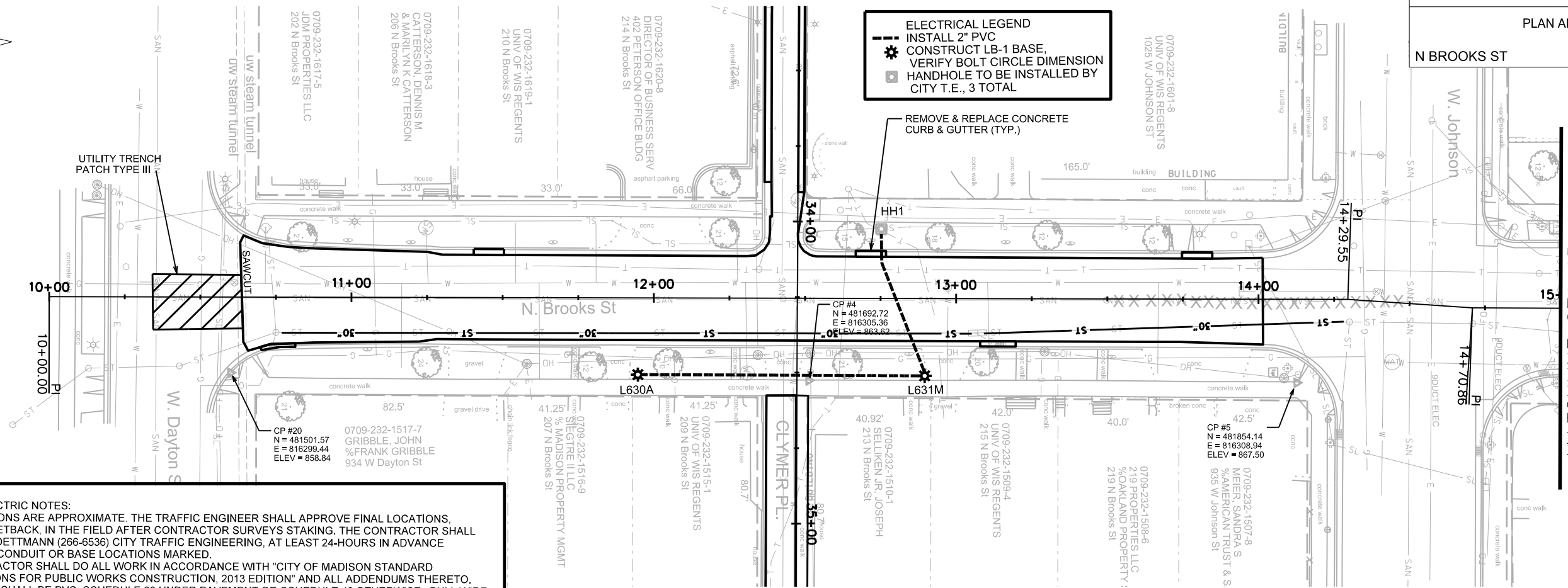
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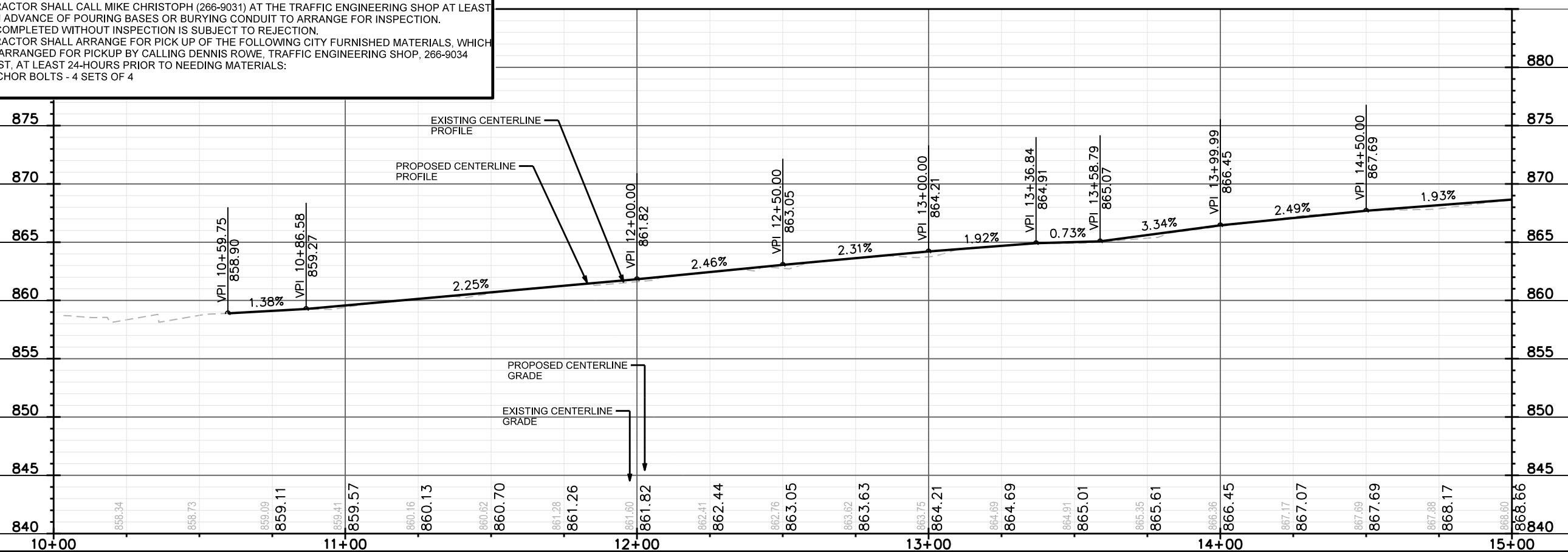
PLAN AND PROFILE

N BROOKS ST CITY OF MADISON



GENERAL ELECTRIC NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY DAN DETTMANN (266-6536) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR BASE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2013 EDITION" AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
4. THE CONTRACTOR SHALL ARRANGE FOR PICK UP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED FOR PICKUP BY CALLING DENNIS ROWE, TRAFFIC ENGINEERING SHOP, 266-9034 1120 SAYLE ST, AT LEAST 24-HOURS PRIOR TO NEEDING MATERIALS:
 -3/4"x24" ANCHOR BOLTS - 4 SETS OF 4

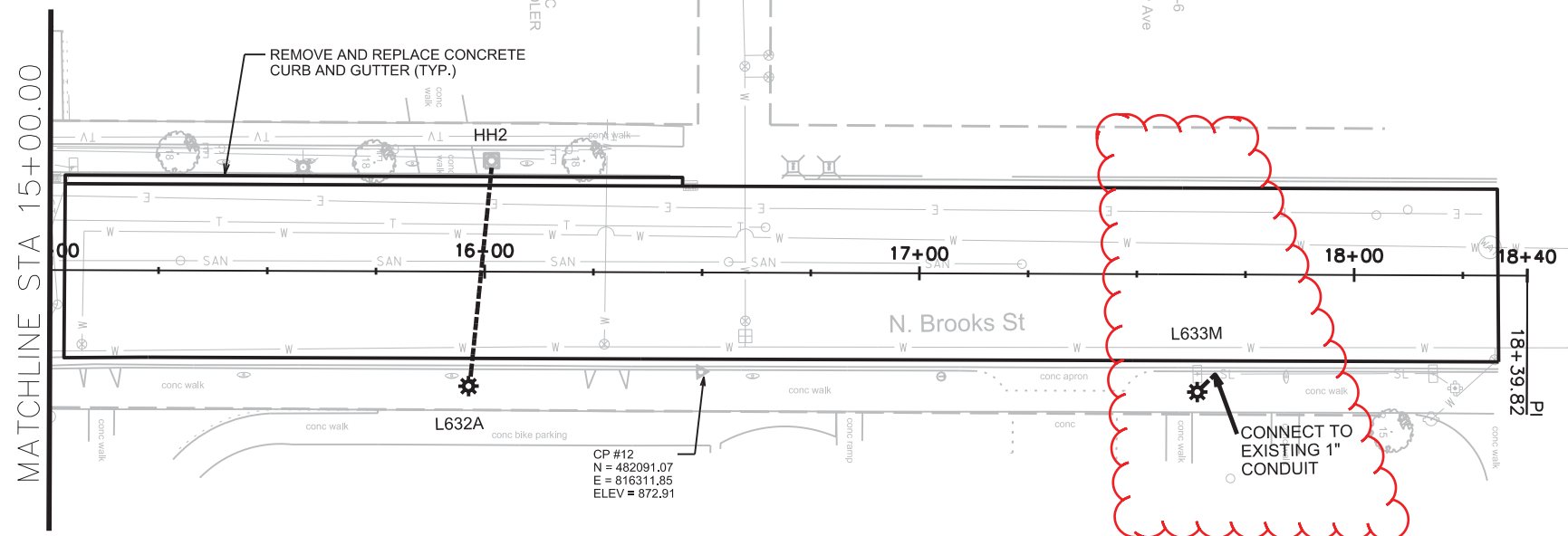


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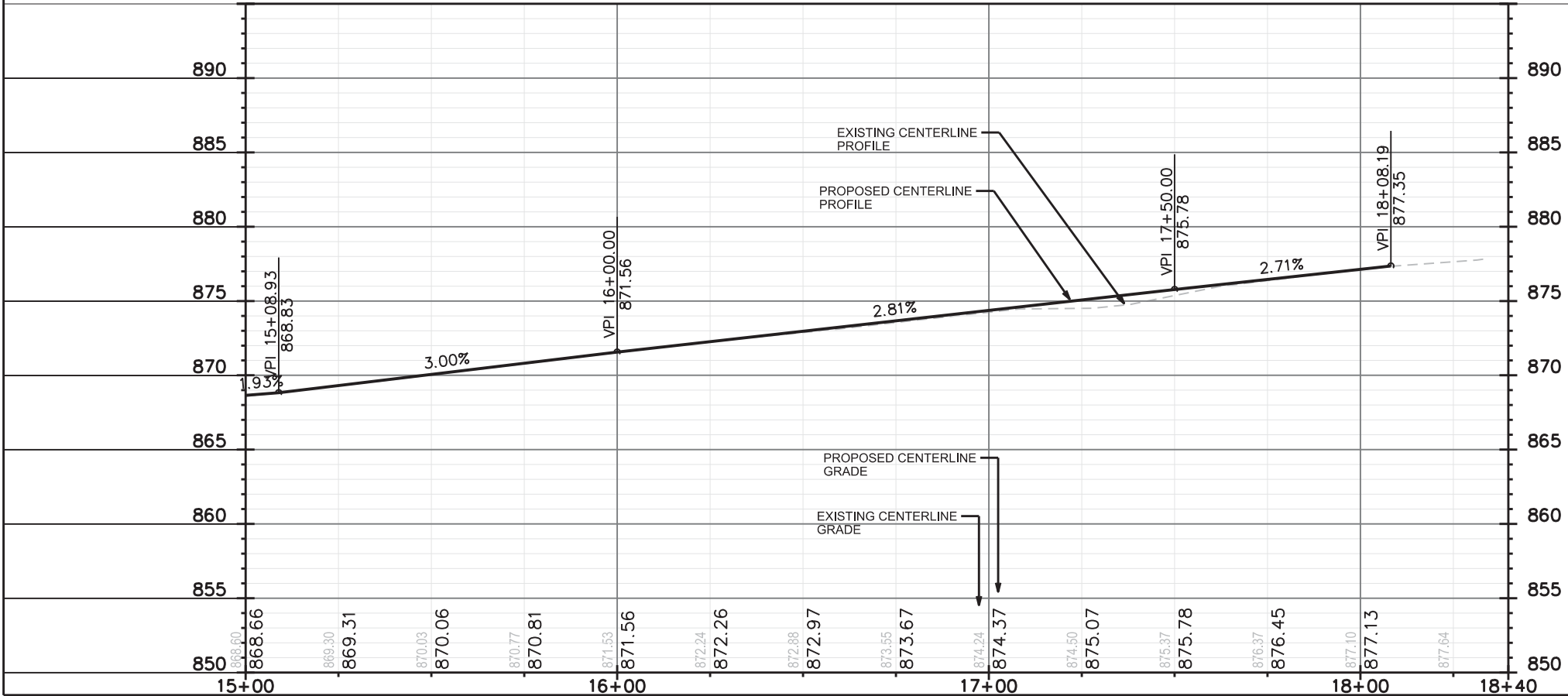
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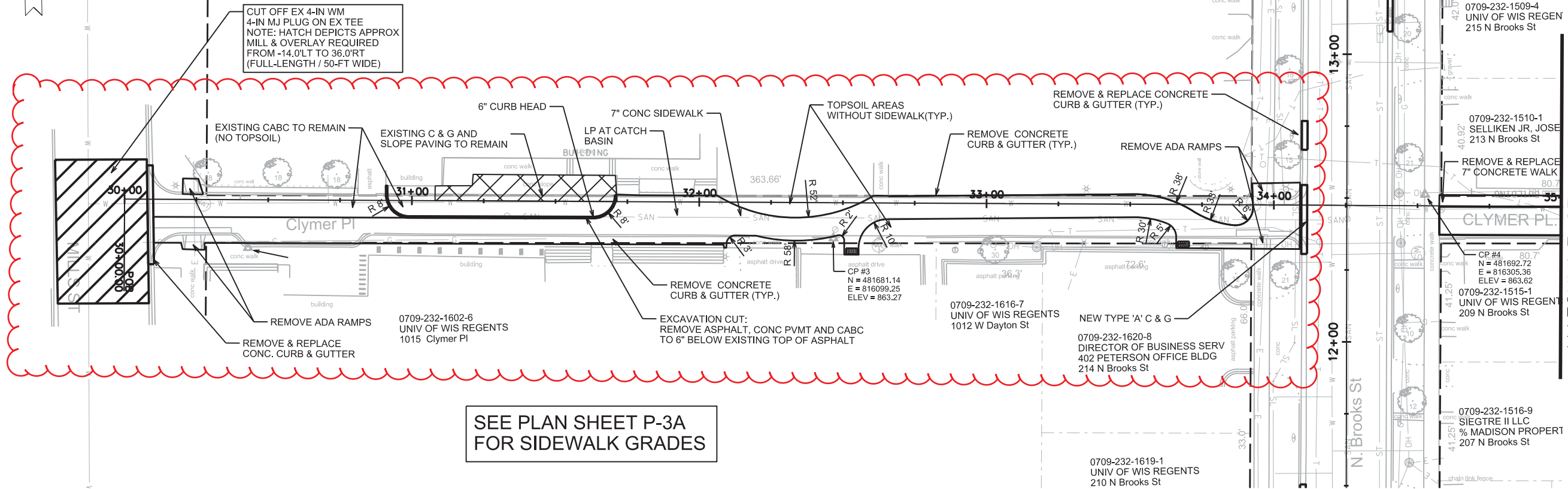


ELECTRICAL LEGEND
 - - - - - INSTALL 2" PVC
 CONSTRUCT LB-1 BASE, VERIFY BOLT CIRCLE DIMENSION
 HANDHOLE TO BE INSTALLED BY CITY T.E., 3 TOTAL

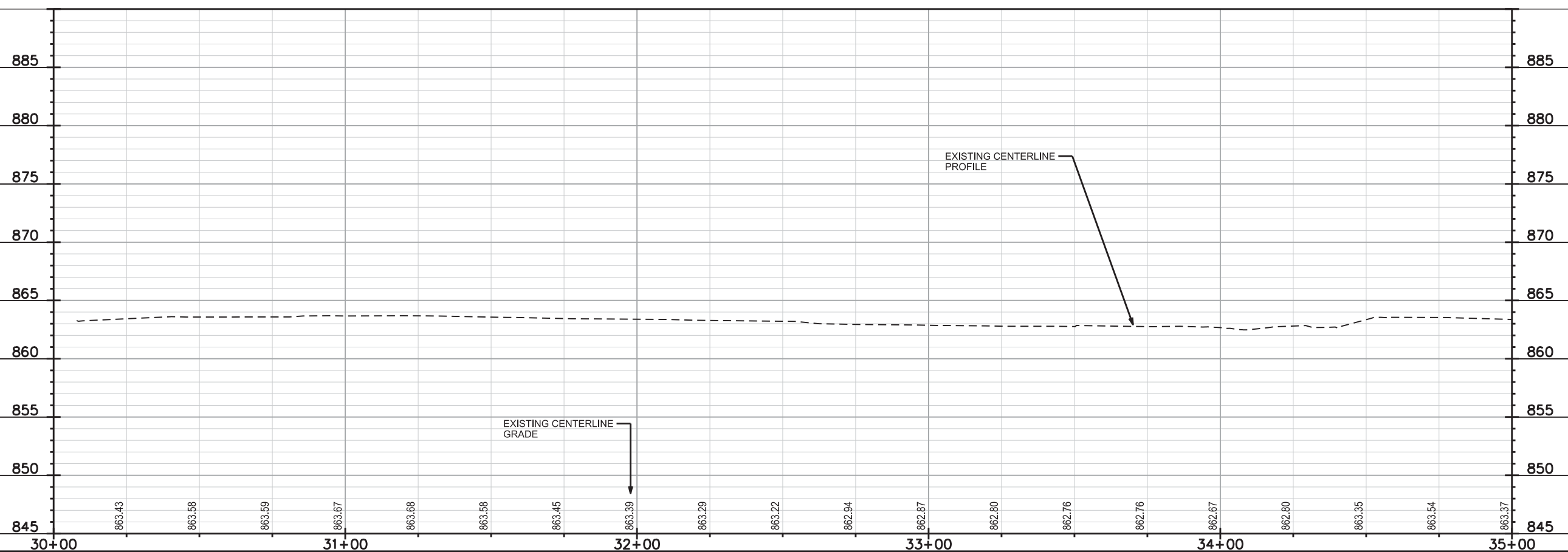
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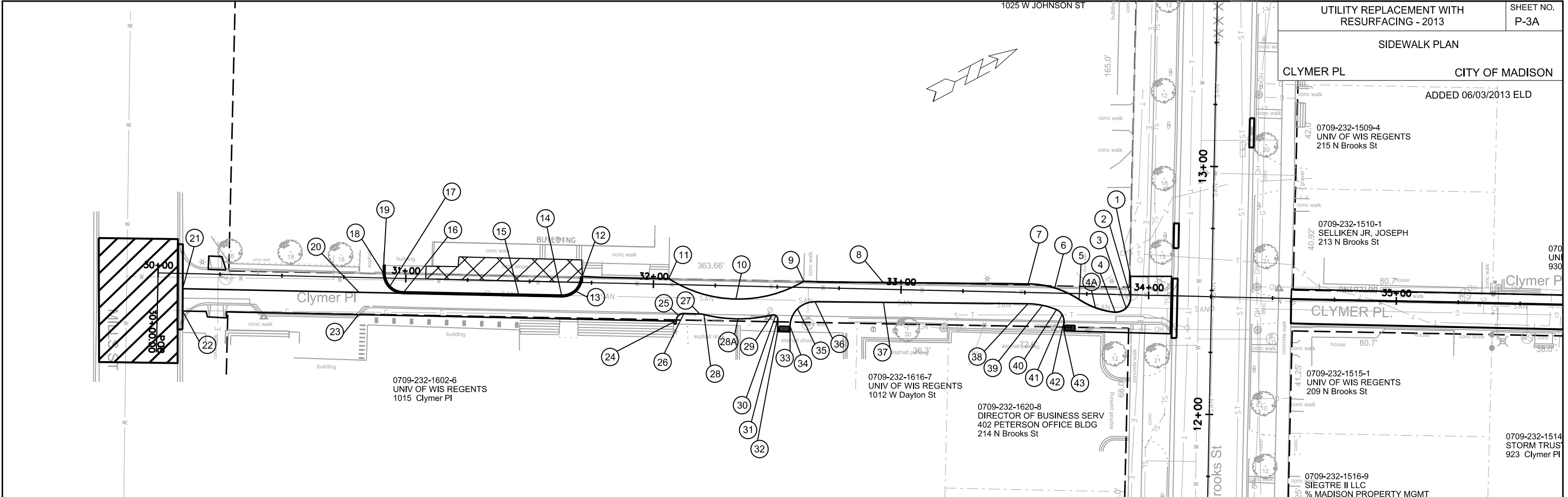
SEE PLAN SHEET P-3A FOR SIDEWALK GRADES



- 0709-232-1509-4 UNIV OF WIS REGEN 215 N Brooks St
- 0709-232-1510-1 SELLIKEN JR, JOSE 213 N Brooks St
- REMOVE & REPLACE 7" CONCRETE WALK
- CP #4 N = 481692.72 E = 816305.36 ELEV = 863.62
- 0709-232-1515-1 UNIV OF WIS REGEN 209 N Brooks St
- 0709-232-1516-9 SIEGTRE II LLC % MADISON PROPERT 207 N Brooks St
- 0709-232-1619-1 UNIV OF WIS REGENS 210 N Brooks St
- 0709-232-1620-8 DIRECTOR OF BUSINESS SERV 402 PETERSON OFFICE BLDG 214 N Brooks St
- 0709-232-1616-7 UNIV OF WIS REGENS 1012 W Dayton St
- asphalt drive CP #3 N = 481681.14 E = 816099.25 ELEV = 863.27

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

SIDEWALK PLAN
 CLYMER PL CITY OF MADISON
 ADDED 06/03/2013 ELD



NO.	STA / OFFSET	ELEV	NOTES
1	33+92.44, LT 7.45	863.07	EOP / MATCH EX
2	33+92.73, RT 0.91	863.00	EOP / PC
3	33+91.00, RT 5.33	862.94	EOP / MID PT
4	33+86.61, RT 7.12	863.00	EOP / PC
4A	33+82.53, RT 6.60	863.12	EOP / HP
5	33+71.91, RT 2.29	863.09	EOP / PC
6	33+62.00, LT 2.09	863.19	EOP / MID PT
7	33+51.25, LT 3.50	863.29	EOP / PC
8	32+95.29, LT 2.71	863.56	EOP
9	32+60.62, LT 2.48	863.39	EOP / PC / MATCH EX
10	32+33.41, RT 5.26	863.60	EOP / MID PT
11	32+06.16, LT 2.35	863.79	EOP / PC / MATCH EX
12	31+71.16, LT 2.43	863.82	EOP / MATCH EX
13	31+68.78, RT 3.54	863.63	FLAG / EOP
14	31+63.17, RT 5.85	863.56	FLAG / EOP
15	31+45.69, RT 5.38	863.36	FLAG / EOP / LP

NO.	STA / OFFSET	ELEV	NOTES
16	30+99.01, RT 5.97	863.70	FLAG / EOP / PC
17	30+93.39, RT 3.67	863.76	FLAG / MID PT
18	30+90.99, LT 1.91	863.83	FLAG / PC
19	30+90.94, LT 5.09	864.11	FLAG / MATCH EX
20	30+81.22, RT 6.01	863.90	EOP
21	30+10.04, RT 6.13	863.66	EOP / TC
22	30+10.21, RT 15.13	863.60	EOP / TC
23	30+81.23, RT 15.01	963.98	EOP / MATCH EX
24	32+09.54, RT 14.57	863.47	EOP / PC / MATCH EX
25	32+10.43, RT 12.44	863.49	EOP / MID PT
26	32+12.57, RT 11.56	863.52	EOP / PC
27	32+18.98, RT 11.62	863.44	EOP / PC
28	32+20.70, RT 11.82	863.44	EOP / MID PT
28A	32+34.46, RT 13.25	863.44	EOP / MID PT
29	32+48.17, RT 11.36	863.26	EOP / PC
30	32+49.66, RT 11.54	863.24	EOP / MID PT

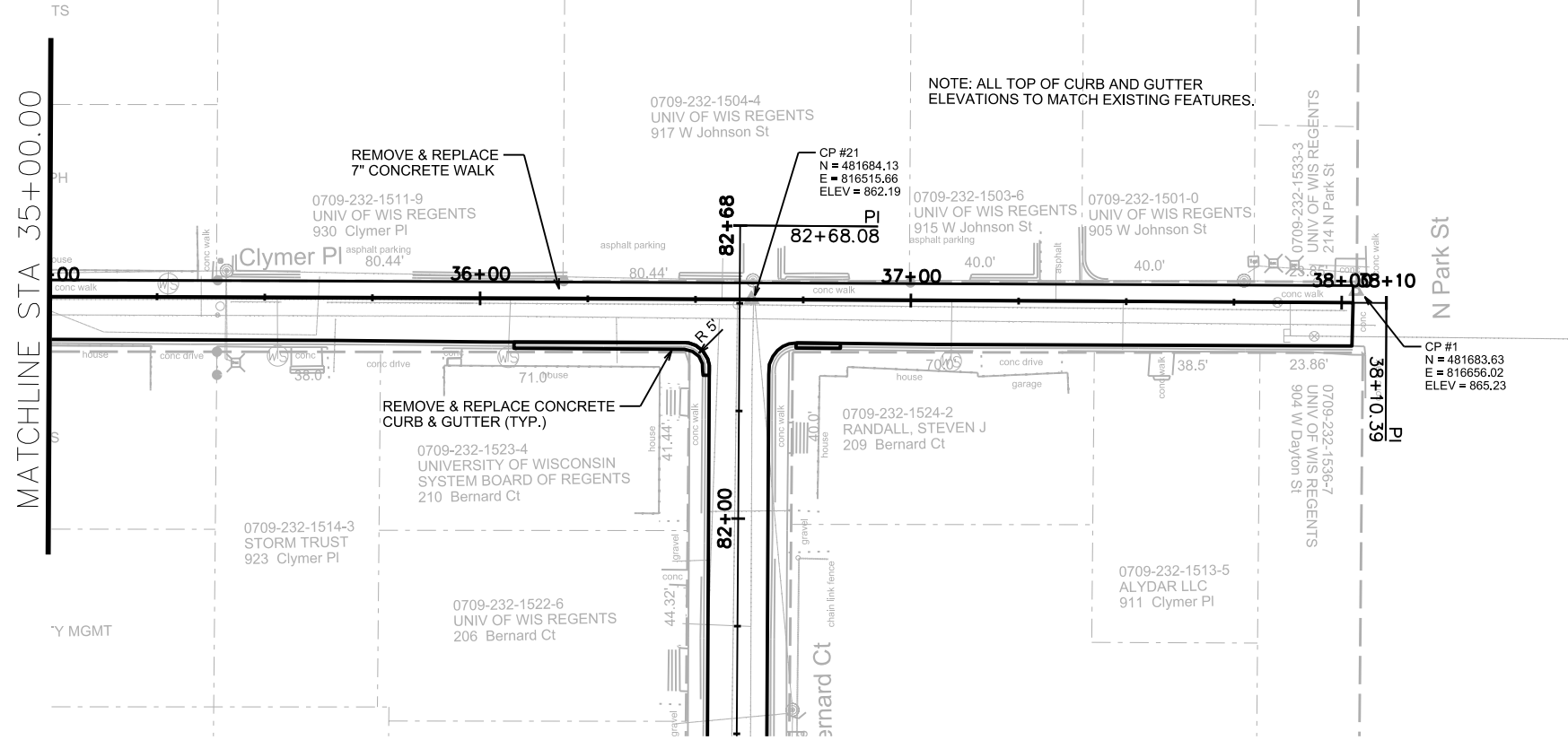
NO.	STA / OFFSET	ELEV	NOTES
31	32+50.51, RT 12.78	863.21	EOP / PC
32	32+50.55, RT 18.03	863.16	EOP / RAMP / MATCH EX
33	32+55.55, RT 18.03	863.16	EOP / RAMP / MATCH EX
34	32+55.53, RT 15.73	863.18	EOP / PC
35	32+58.38, RT 8.65	863.25	EOP / MID PT
36	32+65.40, RT 5.64	863.22	EOP / PC
37	32+95.29, RT 5.19	863.40	EOP
38	33+51.36, RT 4.50	863.13	EOP / PC
39	33+57.24, RT 5.01	863.03	EOP / MID PT
40	33+62.92, RT 6.66	862.93	EOP / PCC
41	33+65.20, RT 8.49	862.87	EOP / MID PT
42	33+66.06, RT 11.28	862.82	EOP / PC
43	33+66.07, RT 15.16	862.60	EOP / RAMP / MATCH EX

PLOT SCALE: _____

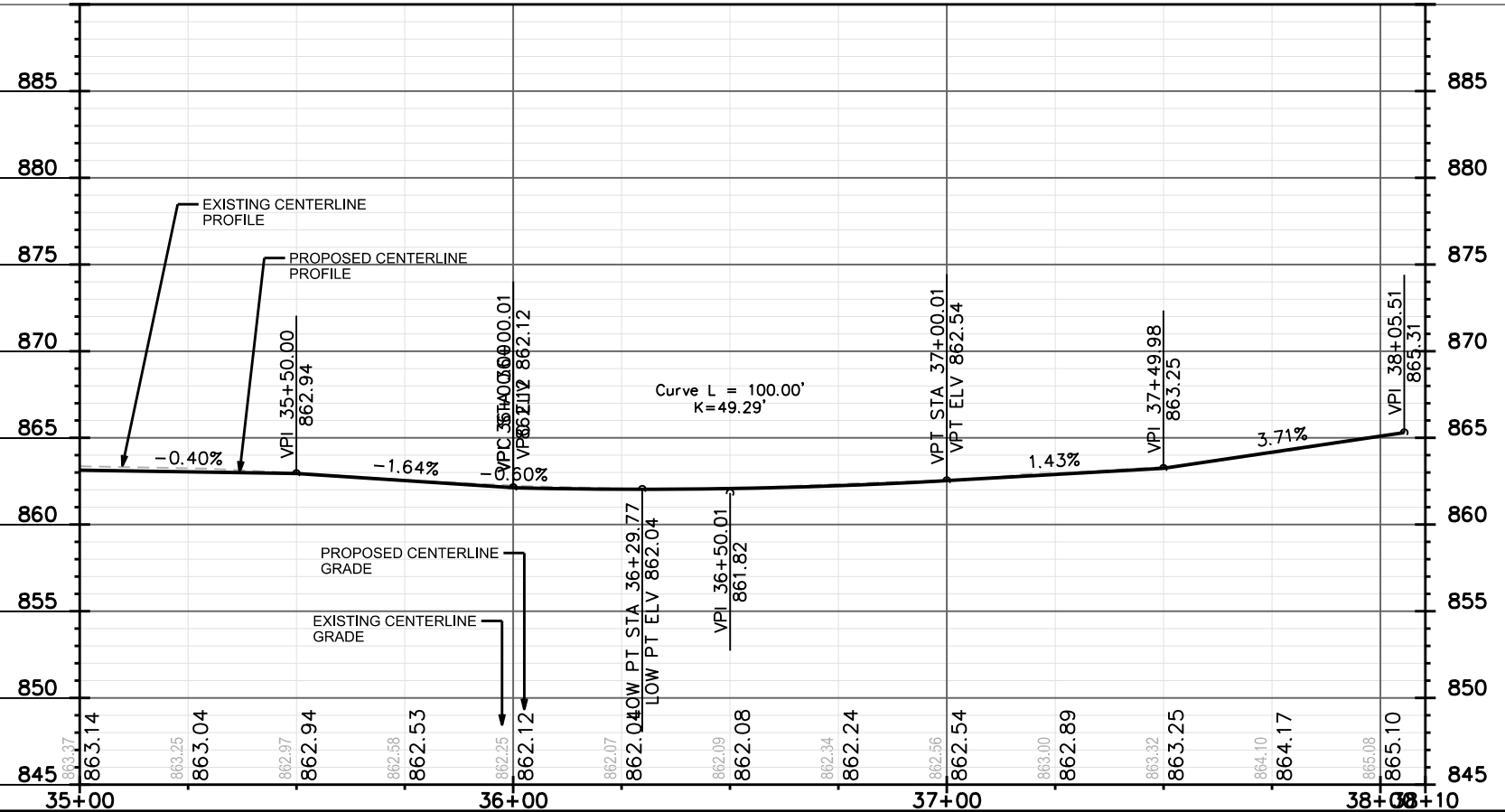
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



NOTE: ALL TOP OF CURB AND GUTTER ELEVATIONS TO MATCH EXISTING FEATURES.

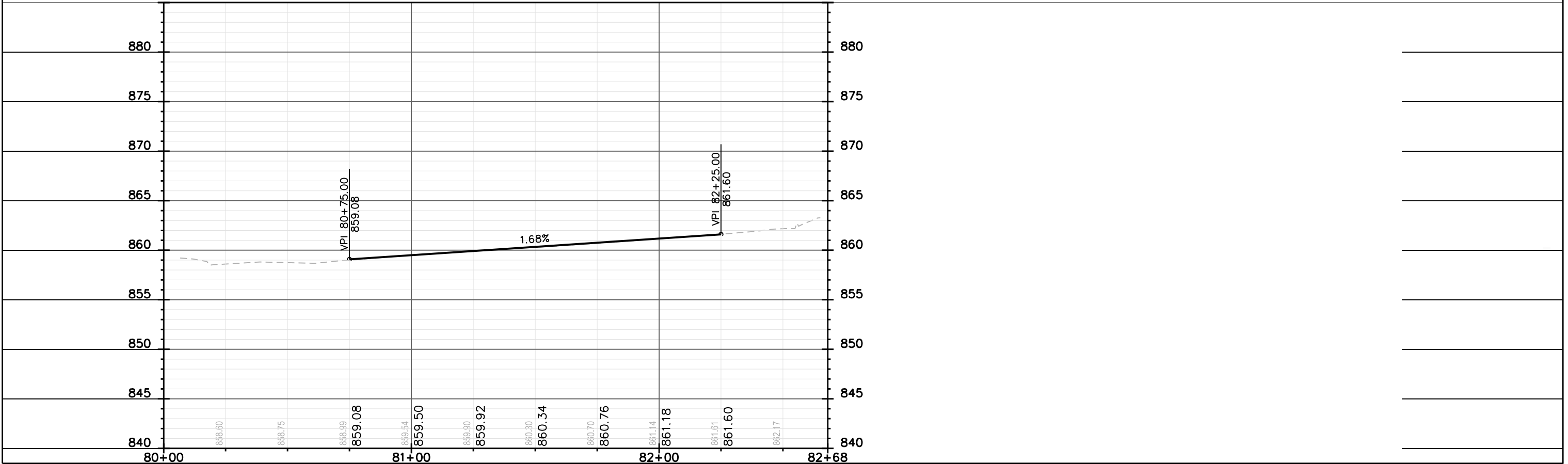
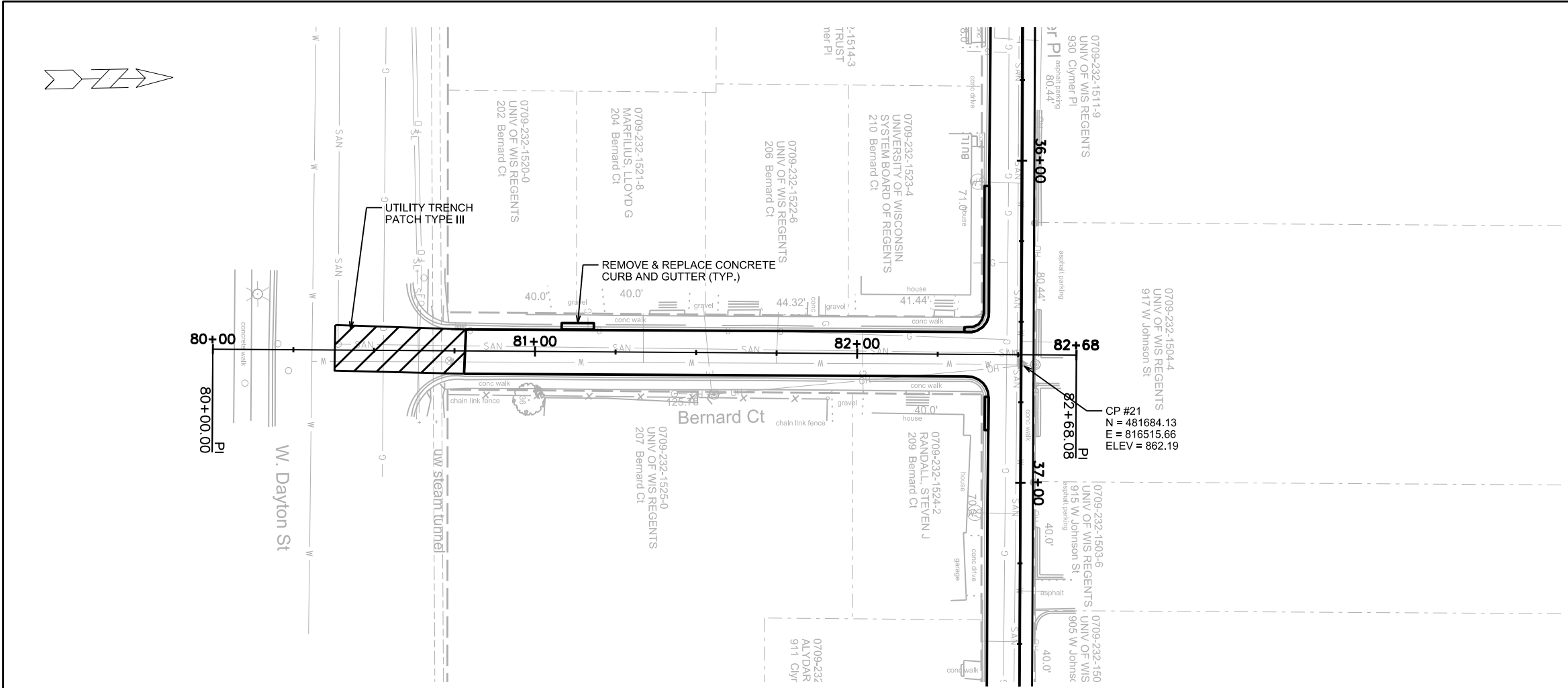


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PLOT NAME: _____

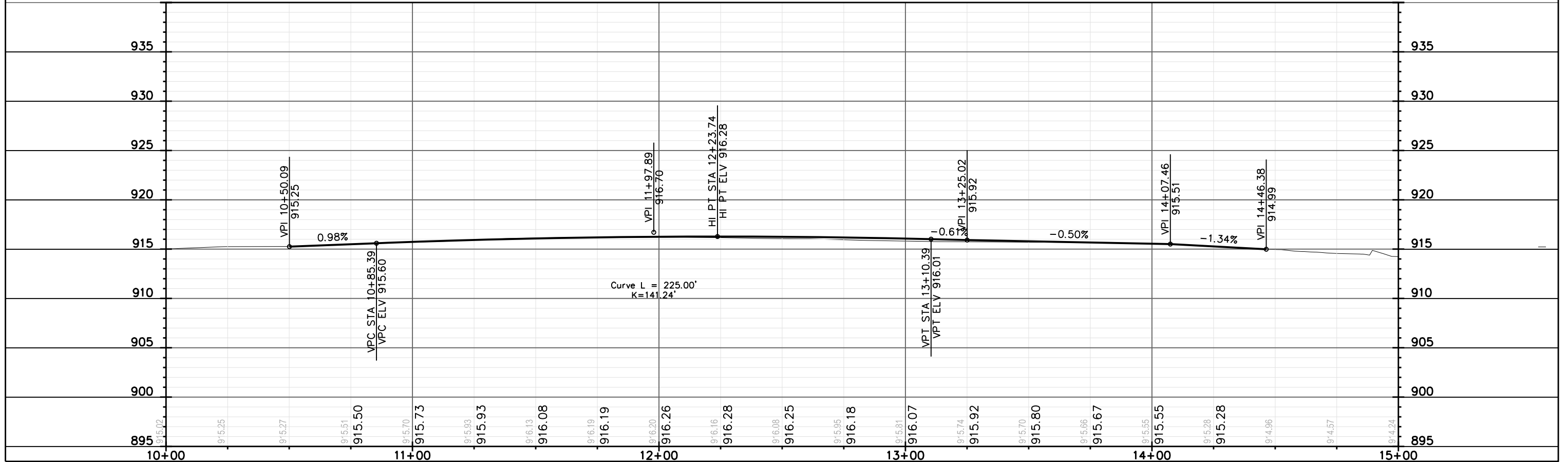
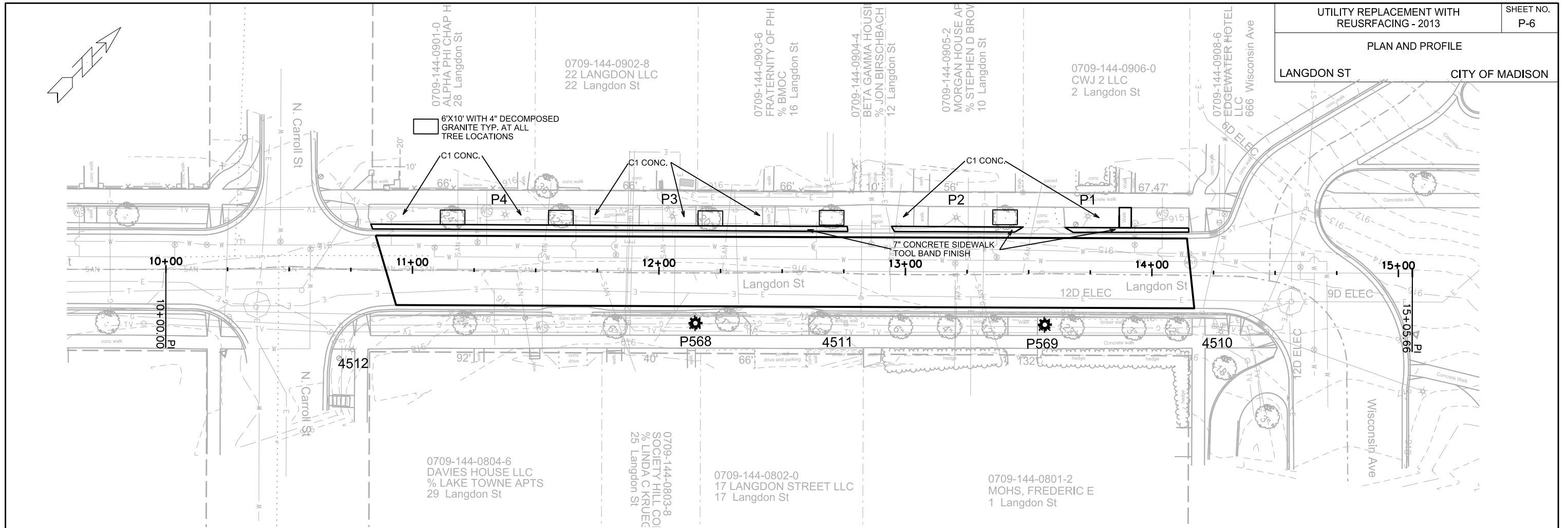
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

PLAN AND PROFILE
LANGDON ST
CITY OF MADISON



PLOT SCALE: _____

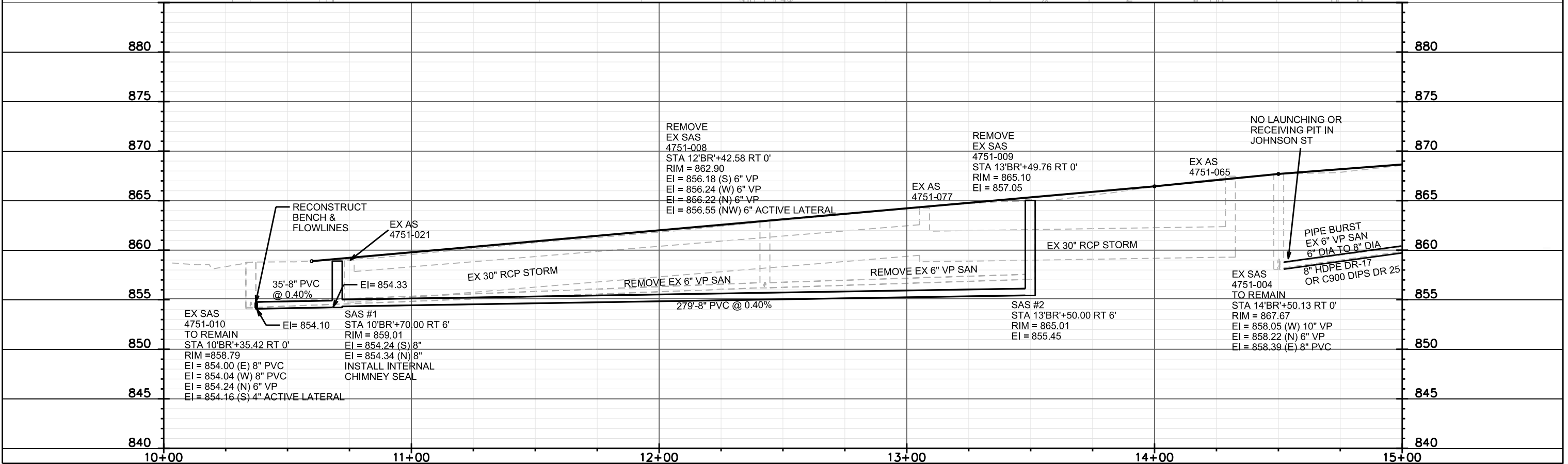
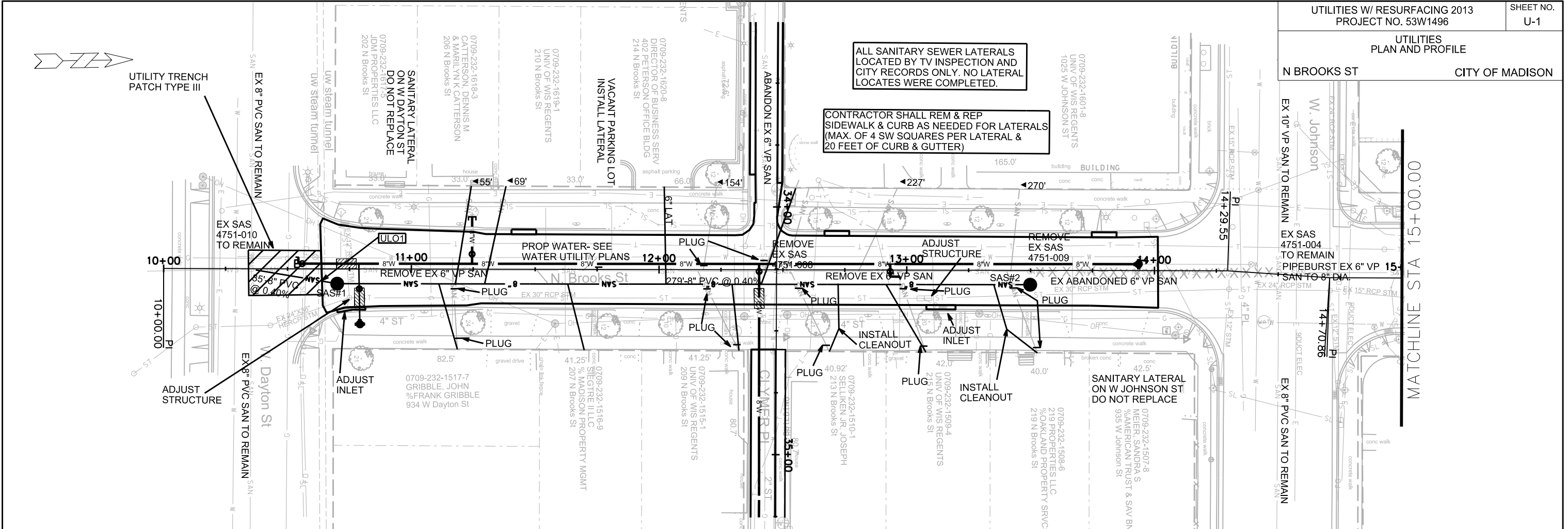
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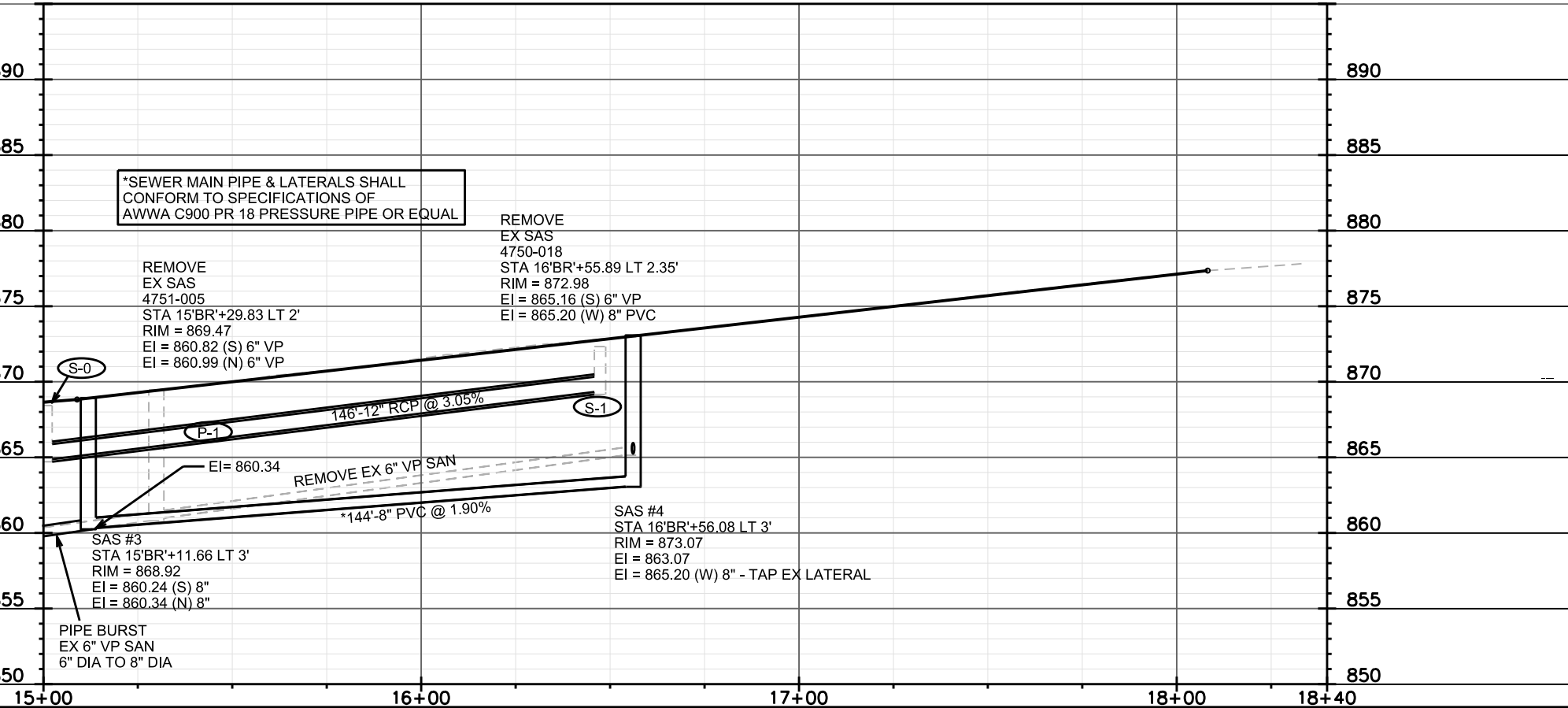
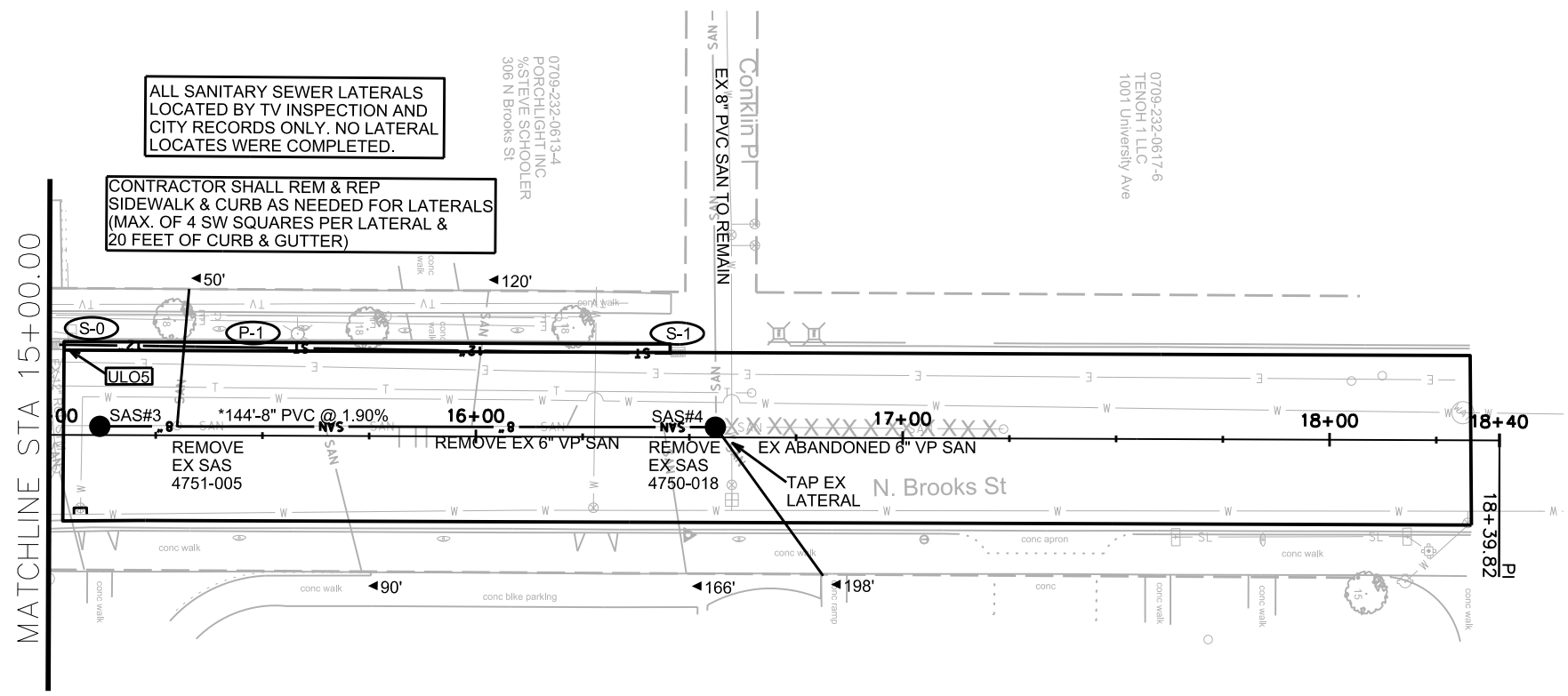
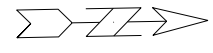
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

ALL SANITARY SEWER LATERALS
LOCATED BY TV INSPECTION AND
CITY RECORDS ONLY. NO LATERAL
LOCATES WERE COMPLETED.

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





PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

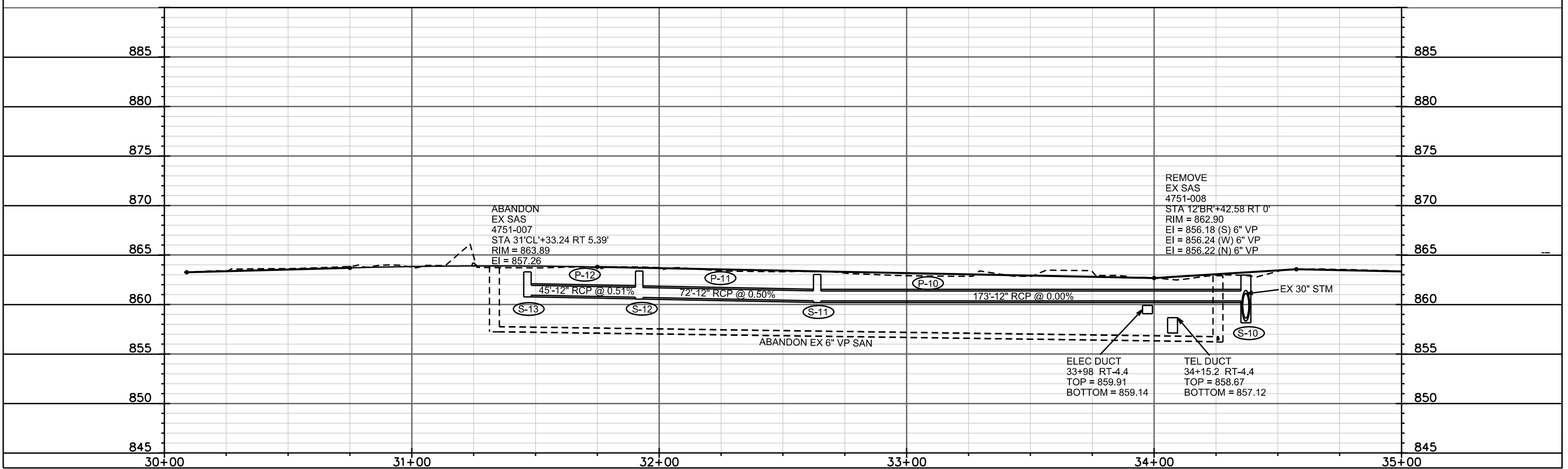
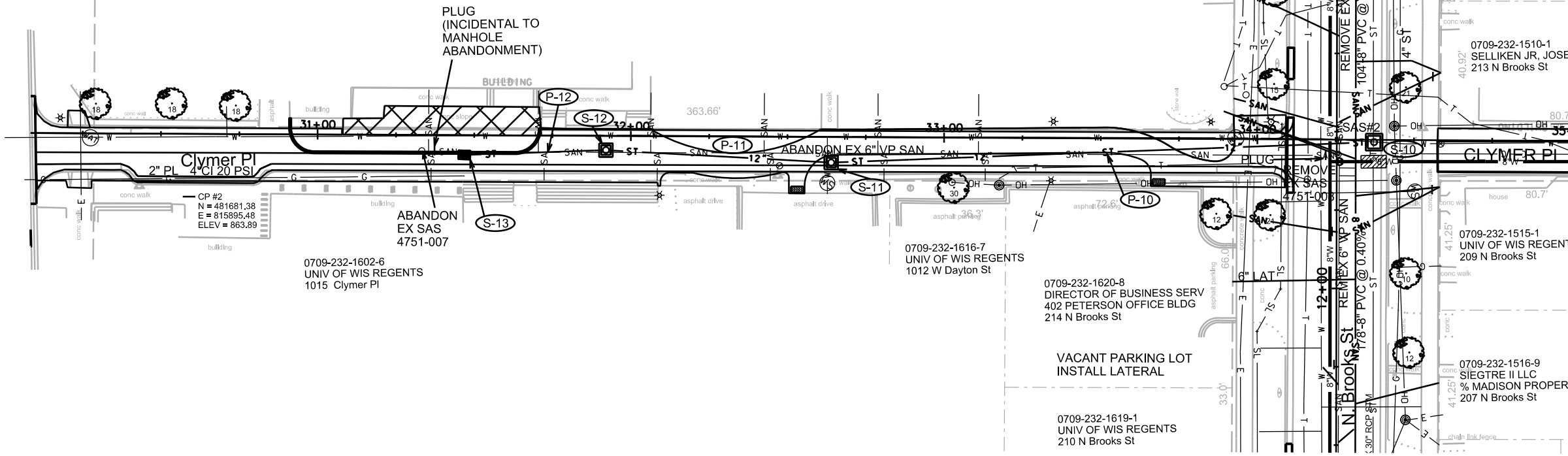
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES
PLAN AND PROFILE

CLYMER PL CITY OF MADISON

* REVISED 5/31/13 EEA
* REVISED 6/11/13 EEA

MATCHLINE STA 35+00.00

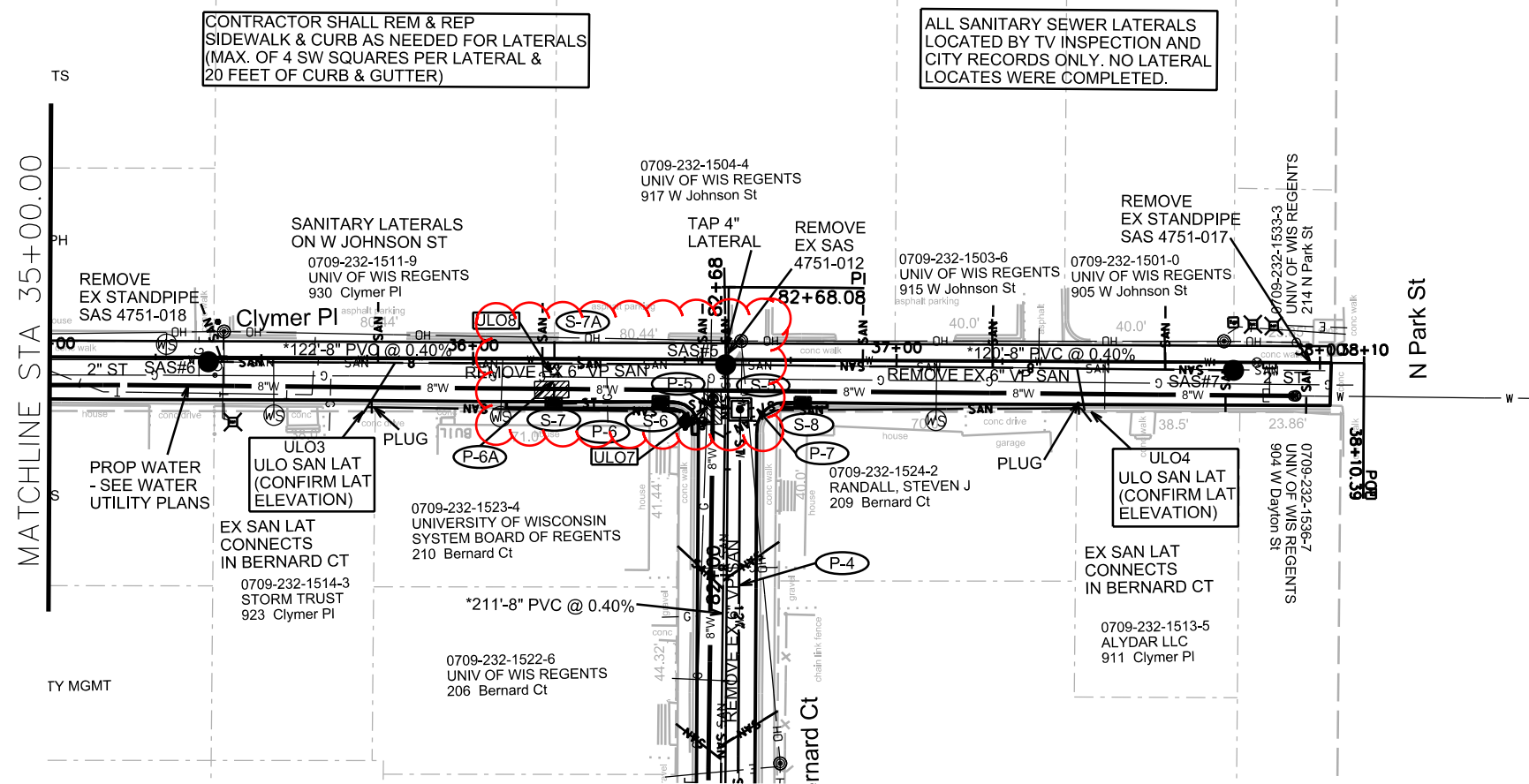
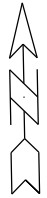


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PLOT NAME: _____

REV. DATE: _____

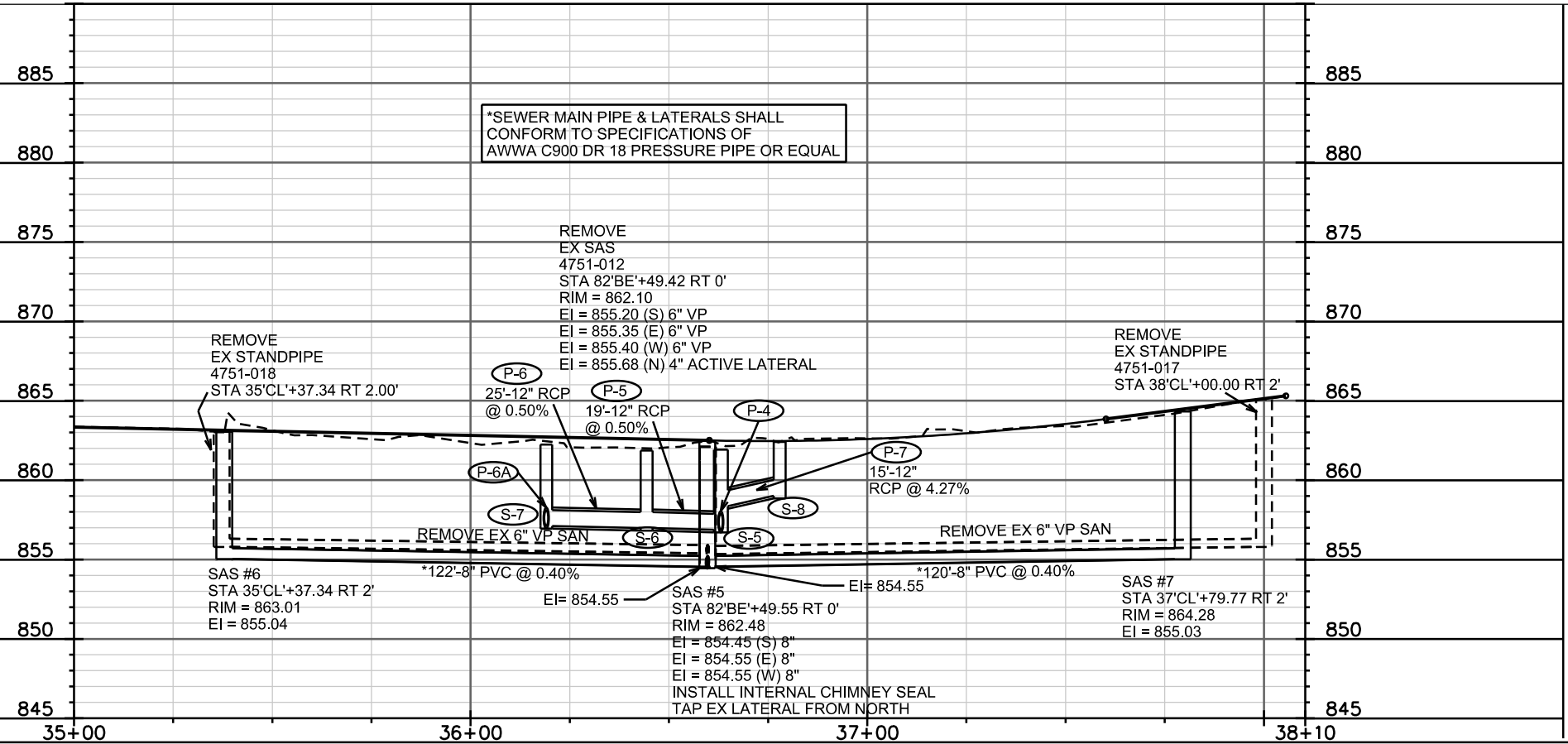
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

ALL SANITARY SEWER LATERALS
LOCATED BY TV INSPECTION AND
CITY RECORDS ONLY. NO LATERAL
LOCATES WERE COMPLETED.

*SEWER MAIN PIPE & LATERALS SHALL
CONFORM TO SPECIFICATIONS OF
AWWA C900 DR 18 PRESSURE PIPE OR EQUAL

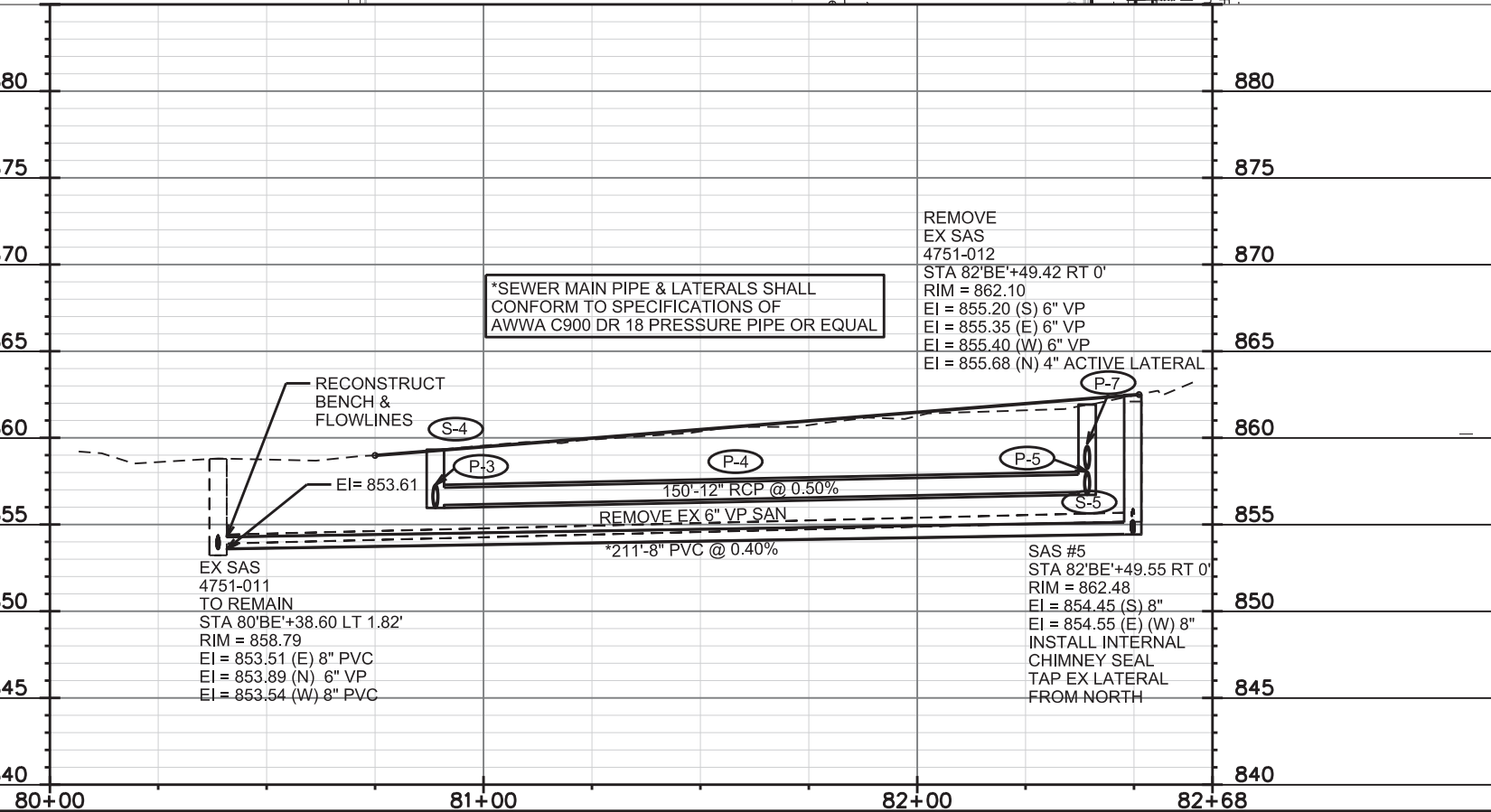
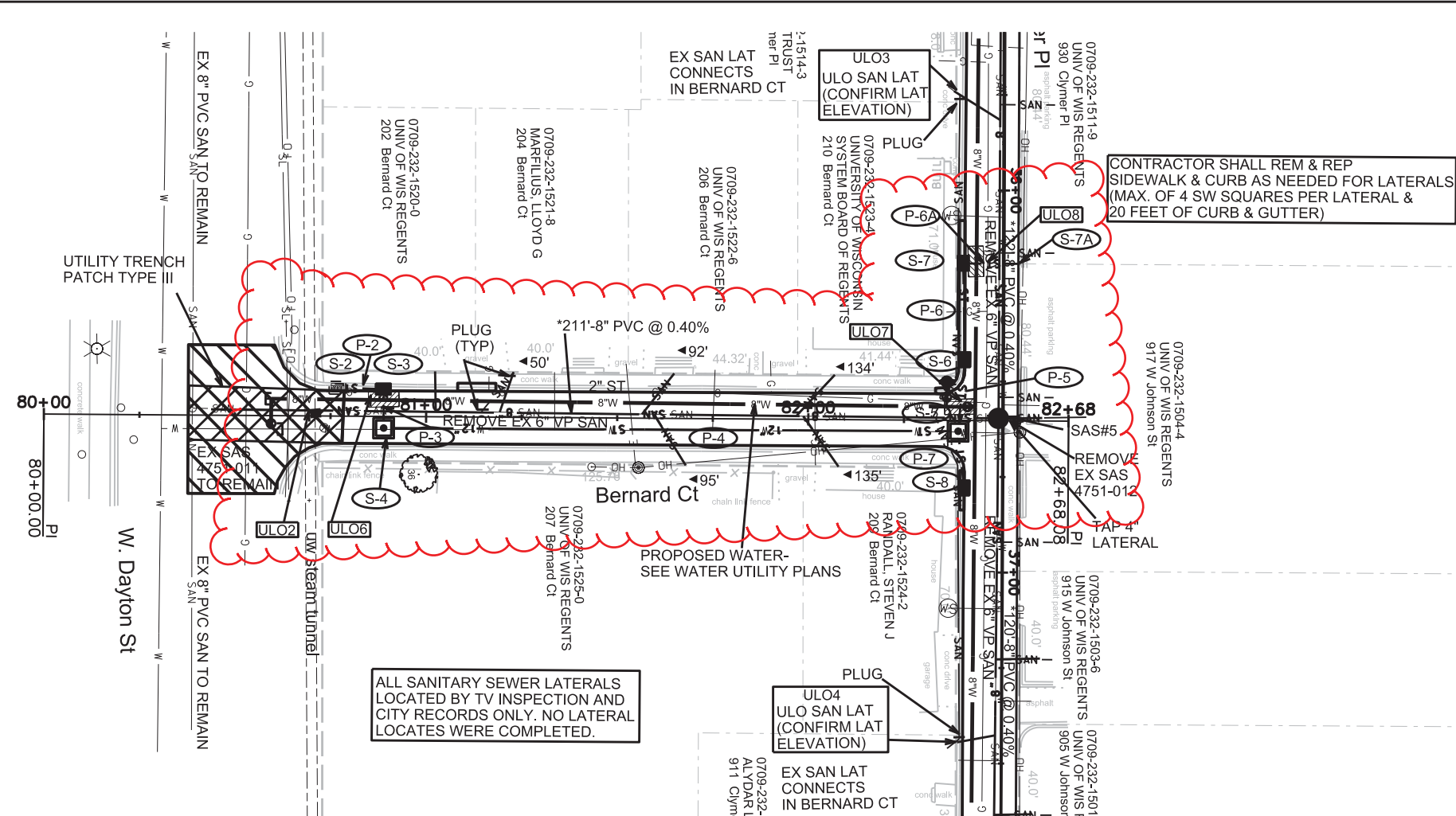
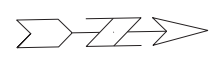


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE LANGDON ST 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)

EX 6" WATER MAIN TO BE ABN PER WU PLAN SHEETS

EX 10" WATER MAIN TO REMAIN

LATERALS LOCATED BY TV INSPECTION AND CITY RECORDS ONLY. NO LATERAL LOCATES WERE COMPLETED.

PIPE SHALL CONFORM TO SPECIFICATIONS OF SDR 26 PIPE FOR BOTH MAIN AND LATERALS

0709-144-0902-8 22 LANGDON LLC 22 Langdon St

0709-144-0903-6 FRANK LANGDON ST OF I % BMOC 16 Langdon St

0709-144-0904-4 BETA GAMMA HO % JON BIRKS CHBA 12 Langdon St

0709-144-0905-2 M/C LANGDON ST USI % STEPHEN D B 10 Langdon St

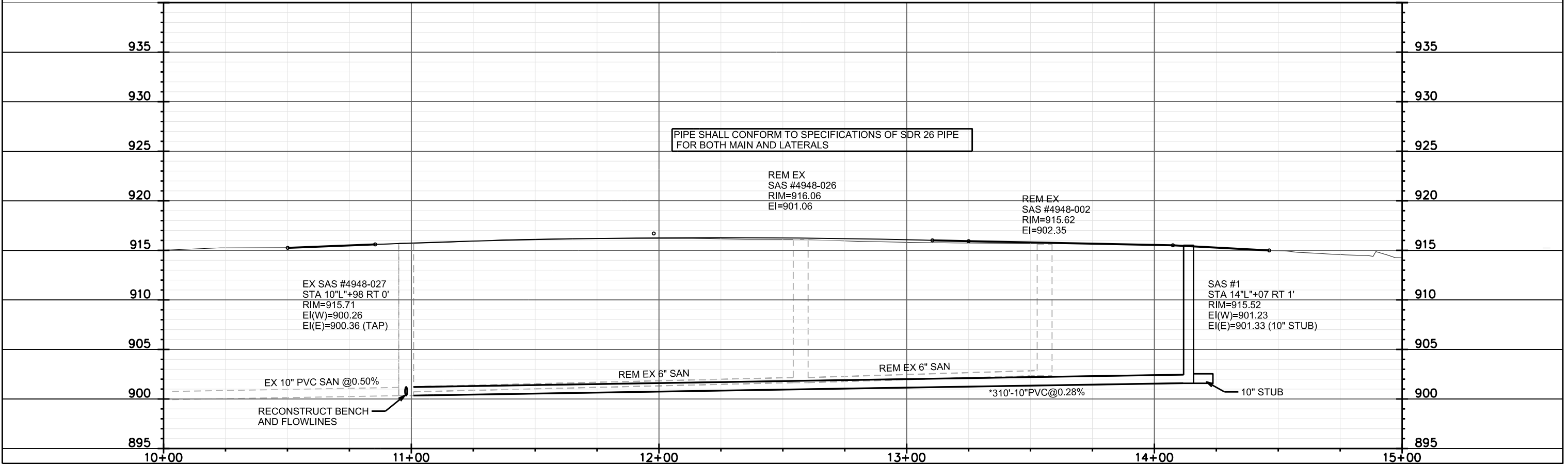
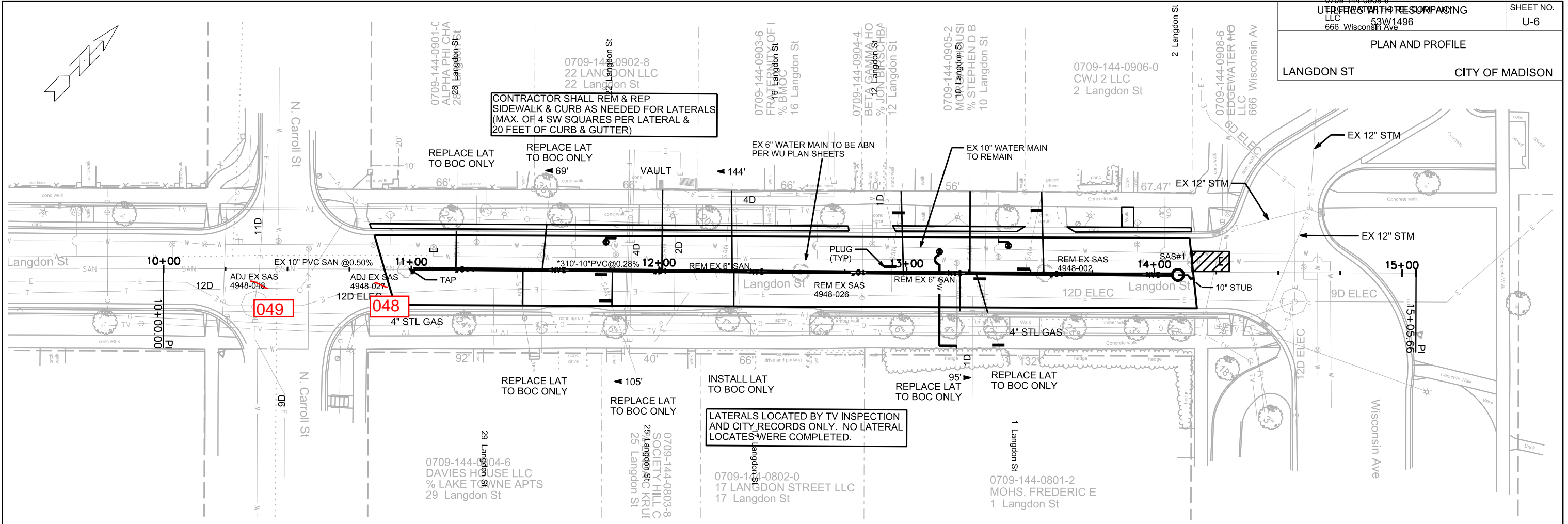
0709-144-0906-0 CWJ 2 LLC 2 Langdon St

0709-144-0908-6 EDGEWATER HO LLC 666 Wisconsin Av

0709-144-0904-6 DAVIES HOUSE LLC % LAKE TOWNE APTS 29 Langdon St

0709-144-0802-0 17 LANGDON STREET LLC 17 Langdon St

0709-144-0801-2 MOHS, FREDERIC E 1 Langdon St



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SCHEDULE

ALIGNMENT CODES:

'BE'= BERNARD CT
'CL'= CLYMER PL
'BR'= N BROOKS ST

UTILITY REPLACEMENTS WITH RESURFACING PROJECT NO. 53W1496	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	10'BR'+70.00	RT-6.00	858.90	854.24	4.66	INSTALL INTERNAL CHIMNEY SEAL
SAS#2	13'BR'+50.00	RT-6.00	865.01	855.45	9.56	-
SAS#3	15'BR'+11.66	LT-3.00	868.92	860.24	8.68	-
SAS#4	16'BR'+56.08	LT-3.00	873.07	863.07	10.00	-
SAS#5	82'BE'+49.55	CL	862.48	854.45	8.03	INSTALL INTERNAL CHIMNEY SEAL
SAS#6	35'CL'+37.34	RT-2.00	863.01	855.04	7.97	-
SAS#7	37'CL'+79.77	RT-2.00	864.28	855.03	9.25	-

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX SAS 4751-010	SAS#1	854.10	854.24	35	0.40%	8"	SDR-35	-
SAS#1	SAS#2	854.34	855.45	279	0.40%	8"	SDR-35	-
EX SAS 4751-004	SAS#3	858.22	860.24	62	3.26%	8"	HDPE OR C900	PIPEBURST SEE SPECIFICATIONS
SAS#3	SAS#4	860.34	863.07	144	1.90%	8"	AWWA C-900	-
EX SAS 4751-011	SAS#5	853.61	854.45	211	0.40%	8"	AWWA C-900	-
SAS#5	SAS#6	854.55	855.04	122	0.40%	8"	AWWA C-900	-
SAS#5	SAS#7	854.55	855.03	120	0.40%	8"	AWWA C-900	-

REMOVE SEWER ACCESS STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	NOTES
4750-018	16'BR'+55.89	LT-2.35	-
4751-005	15'BR'+29.83	LT-2.00	-
4751-008	12'BR'+42.58	CL	-
4751-009	13'BR'+49.76	CL	-
4751-012	82'BE'+49.42	CL	-
4751-017	38'CL'+00.00	RT-2.00	STANDPIPE
4751-018	35'CL'+38.307.34	RT-2.00	STANDPIPE

SANITARY SEWER PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH	PAID (Y/N)	NOTES
4751-010	4751-008	207	N	INCIDENTAL TO WATER PIPE REMOVAL
4751-008	4751-009	107	N	INCIDENTAL TO WATER PIPE REMOVAL
SAS#5	4751-005	18	N	-
4751-005	4750-018	126	N	-
4751-018	4751-012	122	N	-
4751-012	4751-017	120	N	-
4751-011	4751-012	211	N	-

ABANDON SEWER ACCESS STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	NOTES
4751-007	31'CL'+33.24	RT-5.39	-

SANITARY SEWER PIPE ABANDONMENT

ABANDON FROM	ABANDON TO	LENGTH	PAID (Y/N)	NOTES
4751-007	4751-008	292	Y	PIPE PLUGS

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO 1	10'BR'+64.00	RT-5.00	UW STEAM TUNNEL	-
ULO 2	80'BE'+69.00	LT-1.50	UW STEAM TUNNEL	-
ULO 3	35'BE'+74.00	RT-12.00	SAN LATERAL	CONFIRM ELEVATION
ULO 4	37'BE'+44.50	RT-12.00	SAN LATERAL	CONFIRM ELEVATION

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'BE' = BERNARD CT
'CL' = CLYMER PL
'BR' = N BROOKS ST

* REVISED 5/15/13 EEA
** REVISED 5/31/13 EEA
+ REVISED 6/11/13 EEA

UTILITY REPLACEMENTS WITH RESURFACING	SHEET NO.
PROJECT NO. 53W1496	U-8
STORM SEWER SCHEDULE	
CITY OF MADISON	

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-0	15'BR'+00.00	LT-22.00	TAP EX INLET	868.43	864.88	3.55	TAP AT EI=864.88
S-1	16'BR'+47.47	LT-22.00	TAP EX INLET	872.33	869.33	3.00	TAP AT EI=869.33 ; SEE NOTE (1)
S-2	80'BE'+77.00	LT-7.28	TAP EX INLET	859.37	856.02	3.35	TAP AT EI=856.02
S-3	80'BE'+89.00	LT-7.28	H INLET	859.57	856.08	3.49	W/ R-3067-7004-V
S-4	80'BE'+89.00	RT-3.00	3X3 SAS	859.32	856.13	3.19	FP; W/ R-1550-0054
** S-5	82'BE'+39.00	RT-3.00	3X3 SAS	861.92	856.88	5.04	W/ R-1550-0054
** S-6	36'CL'+44.00	RT-11.00	H INLET	861.87	856.98	4.89	W/ R-3067-7004-V
** S-7	36'CL'+19.00	RT-11.00	H INLET	862.24	857.11	5.13	W/ R-3067-7004-V
** S-7A	36'CL'+19.00	LT-4.00	PIPE PLUG	-	857.18	-	
S-8	36'CL'+77.75	RT-11.00	H INLET	862.41	859.01	3.40	W/ R-3067-7004-V
+* S-10	12'BR'+46.66	RT-11.72	4X4 SAS	862.97	858.15	4.82	FP; W/ R-1550-0054; (2); (3); (4)
+* S-11	32'CL'+63.93	RT-8.15	3X3 SAS	863.03	860.36	2.67	FP; W/ R-1550-0054; (3); (4)
+* S-12	31'CL'+92.00	RT-4.70	3X3 SAS	863.38	860.72	2.66	FP; W/ R-1550 W/ OPEN GRATE; (3); (4)
+* S-13	31'CL'+46.70	RT-5.40	H INLET	863.30	860.95	2.35	FP; W/ R-3067-7004-V; (3)

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-0	S-1	146	864.88	869.33	3.05%	12"	RCP	-
P-2	S-2	S-3	12	856.02	856.08	0.50%	12"	RCP	-
P-3	S-3	S-4	10	856.08	856.13	0.50%	12"	RCP	-
** P-4	S-4	S-5	150	856.13	856.88	0.50%	12"	RCP	-
** P-5	S-5	S-6	19	856.88	856.98	0.50%	12"	RCP	-
** P-6	S-6	S-7	25	856.98	857.11	0.50%	12"	RCP	-
** P-6A	S-7	S-7A	15	857.11	857.18	0.50%	12"	RCP	-
** P-7	S-5	S-8	15	858.37	859.01	4.27%	12"	RCP	NCM
* P-10	S-10	S-11	173	860.36	860.36	0.00%	12"	RCP	NCM
* P-11	S-11	S-12	72	860.36	860.72	0.50%	12"	RCP	-
* P-12	S-12	S-13	45	860.72	860.95	0.51%	12"	RCP	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
** ULO 5	15'BR'+04.12	LT-21.00	STREET LIGHTING	866.18 TOP 3 INCH PLASTIC - TE TO RELOCATE
** ULO 6	80'BE'+82.40	RT-6.80	GAS	855.82 TOP 2 INCH - GAS TO RELOCATE
** ULO 7	82'BE'+40.20	LT-5.10	GAS	859.70 TOP 2 INCH - LOCATION OK, GAS ABOVE STORM
** ULO 8	36'CL'+19.50	RT-4.30	GAS	859.91 TOP 2 INCH - LOCATION OK, GAS ABOVE STORM

SPECIFIC NOTES

- (1) IN ADDITION TO THE TAP OF THE SIDE WALL OF THE EXISTING INLET, INCLUDED IN THE WORK FOR THE TAP WILL BE HAND EXCAVATION OF 4 INCH GRAVEL AND POURING A FLOOR AT THE BOTTOM OF EXISTING INLET. CURRENTLY, THIS EXISTING INLET DOES NOT HAVE A CONCRETE FLOOR, THE FLOOR IS OPEN BASE COURSE MATERIAL.
- * (2) CONSTRUCT OVER EXISTING 30" STM PIPE
 - + (3) NO ADJUSTMENT PROVIDED
 - + (4) PIPE WALL TO BE POURED INTERGRAL TO STRUCTURE ROOF

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.

SANITARY SEWER SCHEDULE

ALIGNMENT CODES:

"L"=LANGDON ST

UTILITY REPLACEMENTS WITH RESURFACING

SHEET NO.

PROJECT NO. 53W1496

U-9

LANGDON ST
SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS #1	14'L'+07.00	RT-1	915.52	901.23	14.29	WITH INTERNAL CHIMNEY SEAL

PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	LGTH (FT)	E.I. DOWNSTREAM	E.I. UPSTREAM	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
4948-027	SAS #1	310	900.36	901.23	0.28%	10"	PVC SDR 26	

SANITARY STRUCTURE REMOVALS

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP CASTING	EX EI	DEPTH	NOTES
4948-026	12'F'+57.00	RT-0'	916.06	901.66	14.40	REMOVE
4948-002	13'F'+55.00	RT-0'	915.62	902.35	13.27	REMOVE

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE (DIA)	NOTES
4948-027	4948-026	160	N	6"	REMOVE
4948-026	4948-002	100	N	6"	REMOVE

PLOT SCALE: ---

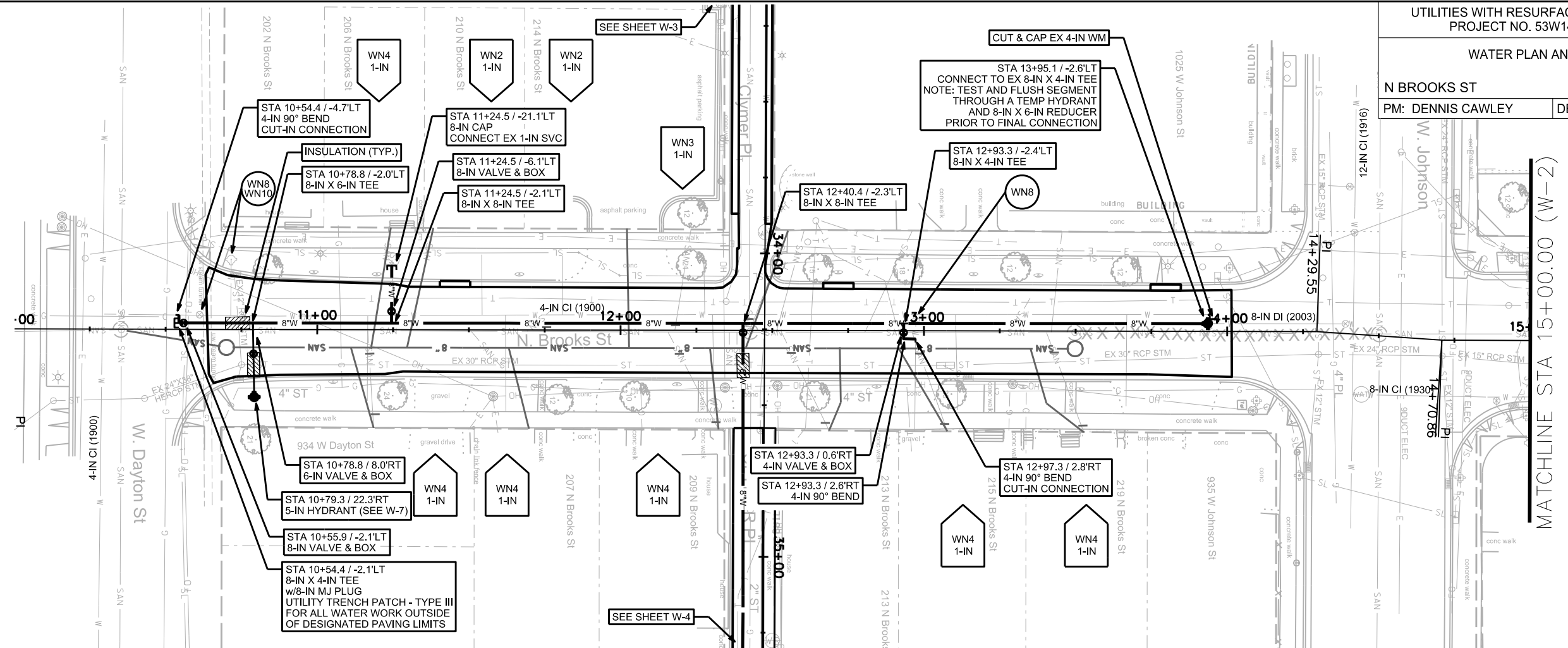
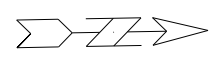
PLOT NAME: ---

REV. DATE: ---

ORIGINATOR: CITY OF MADISON STREETS DIVISION

WATER PLAN AND PROFILE

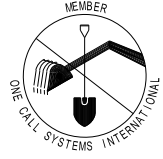
N BROOKS ST CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: PEH



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.

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.

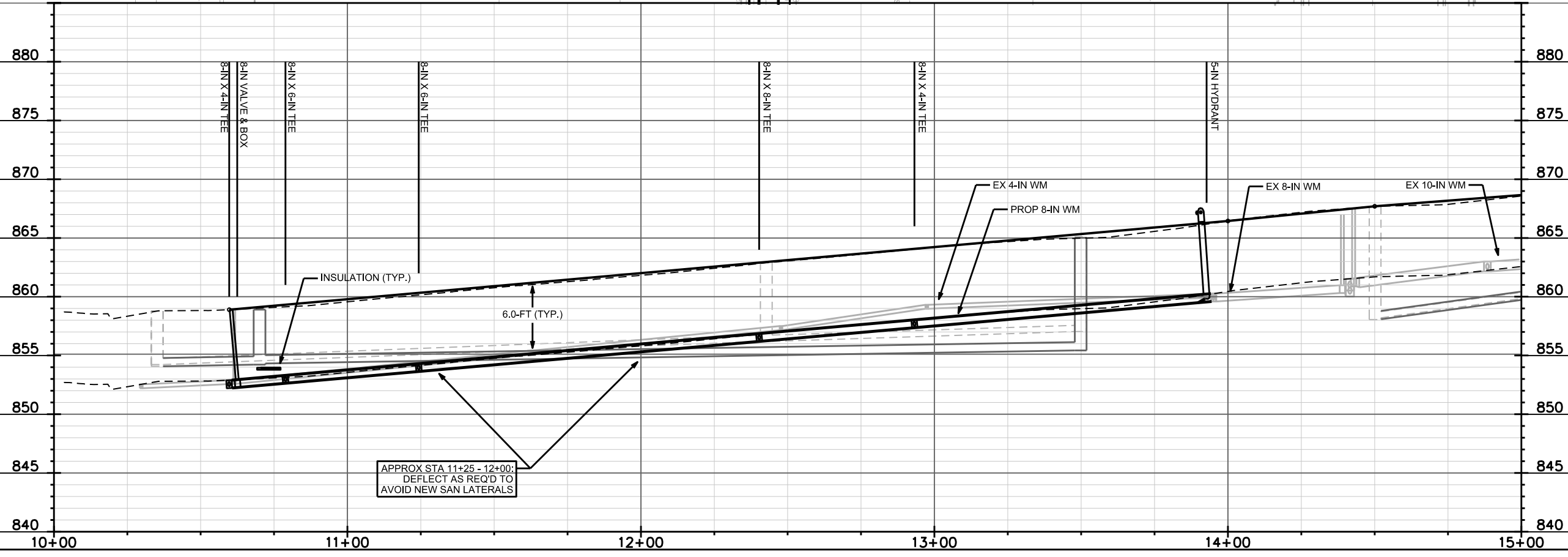


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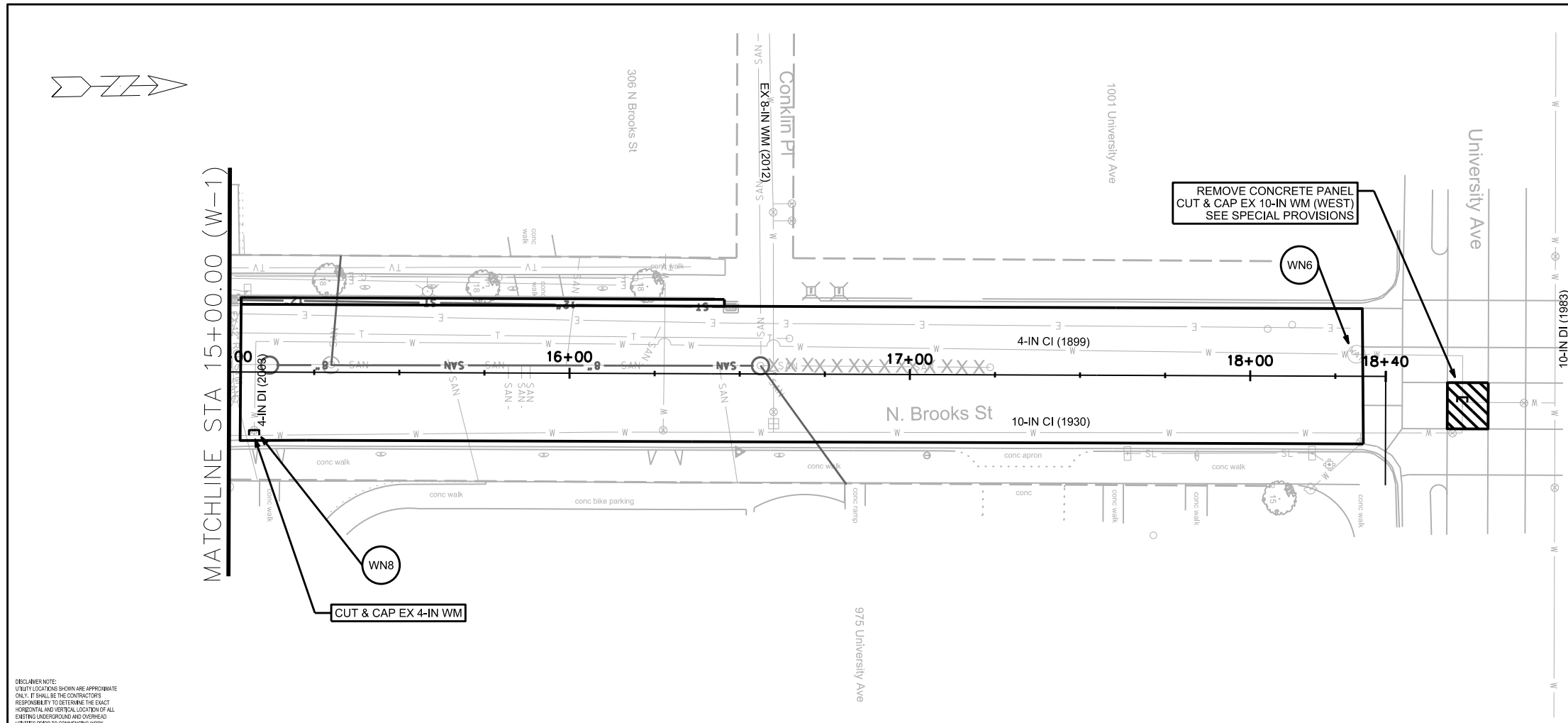
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

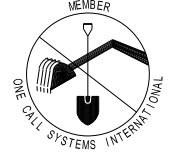


WATER PLAN AND PROFILE

N BROOKS ST CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: PEH



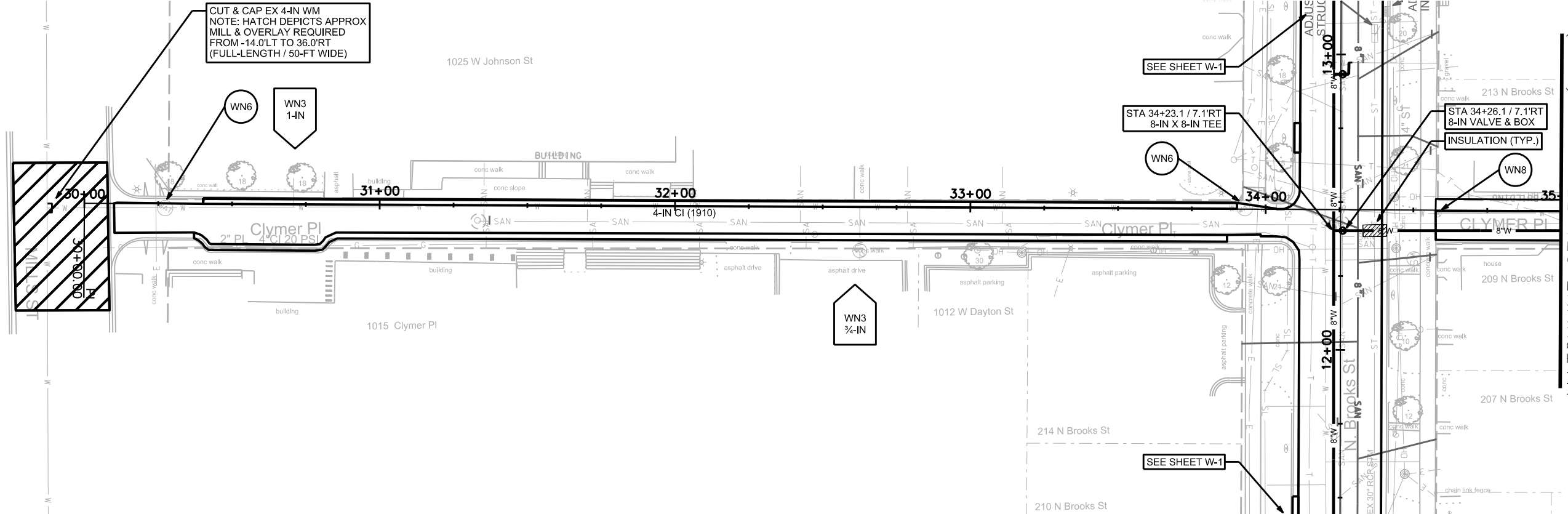
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE TOLL FREE 811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



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

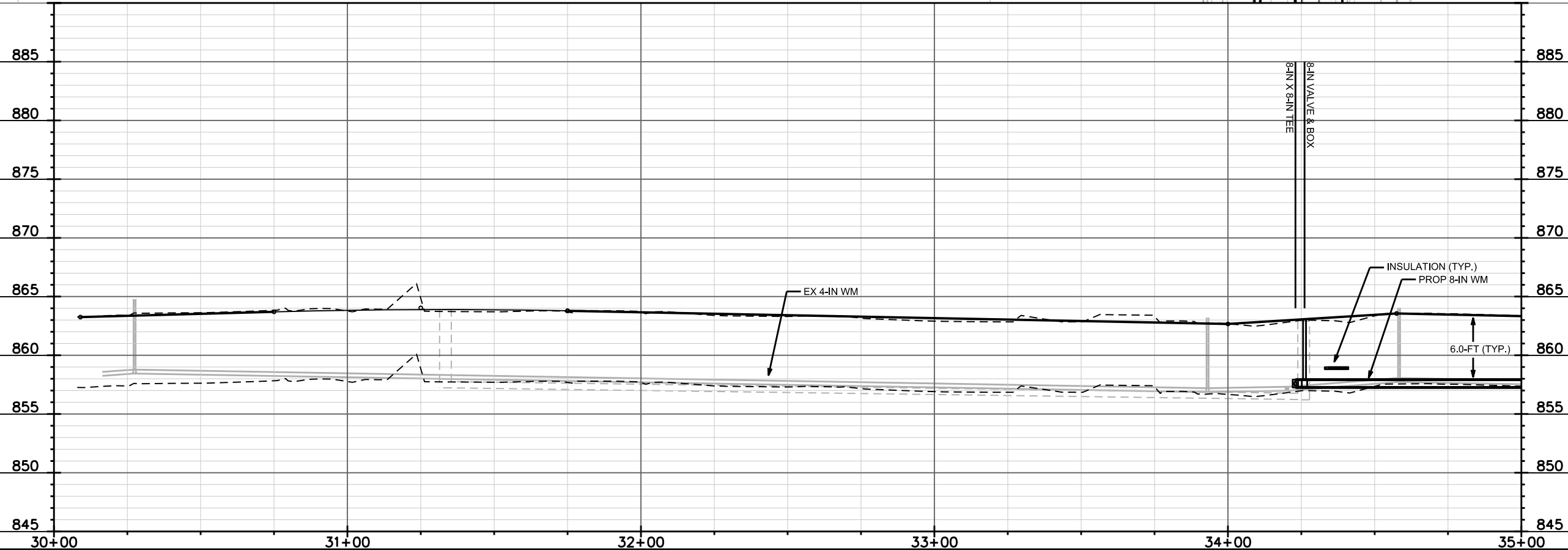
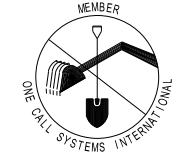


DECLARER NOTE:
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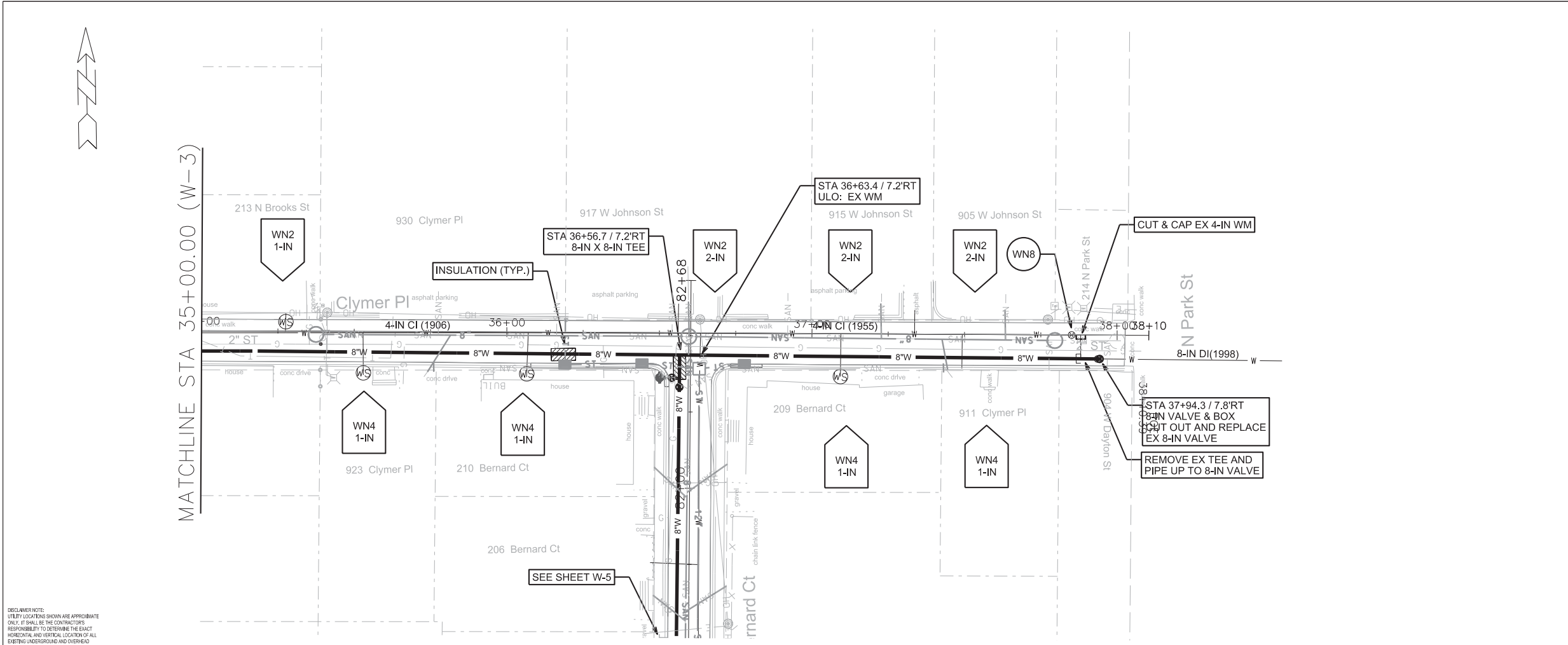


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

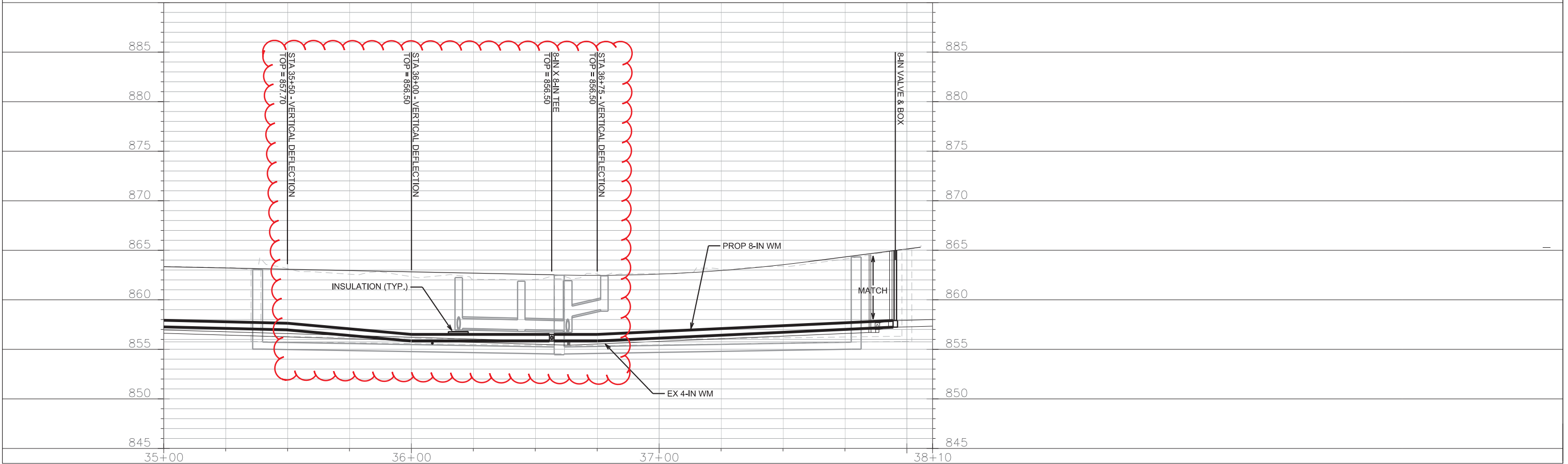
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

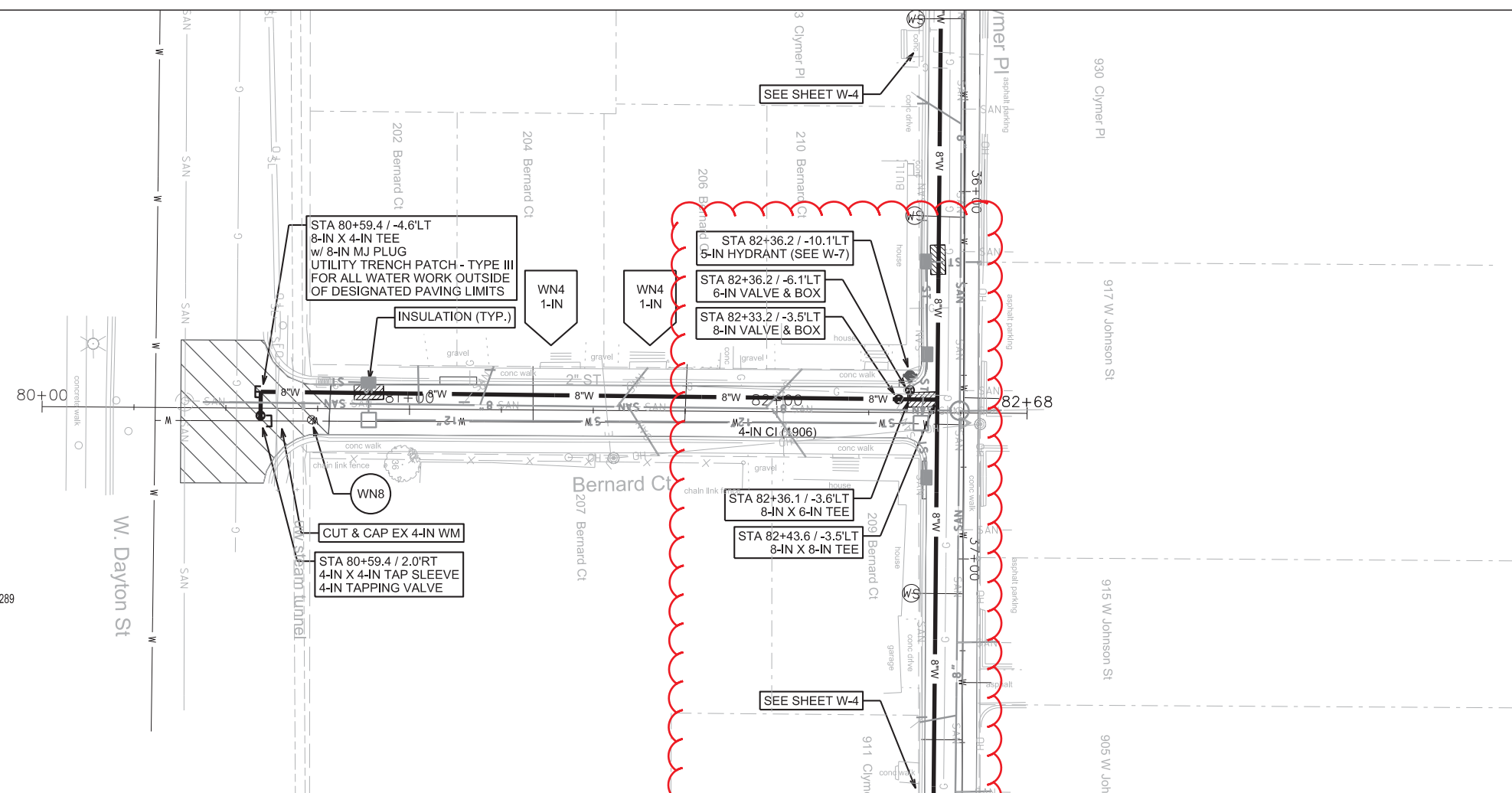
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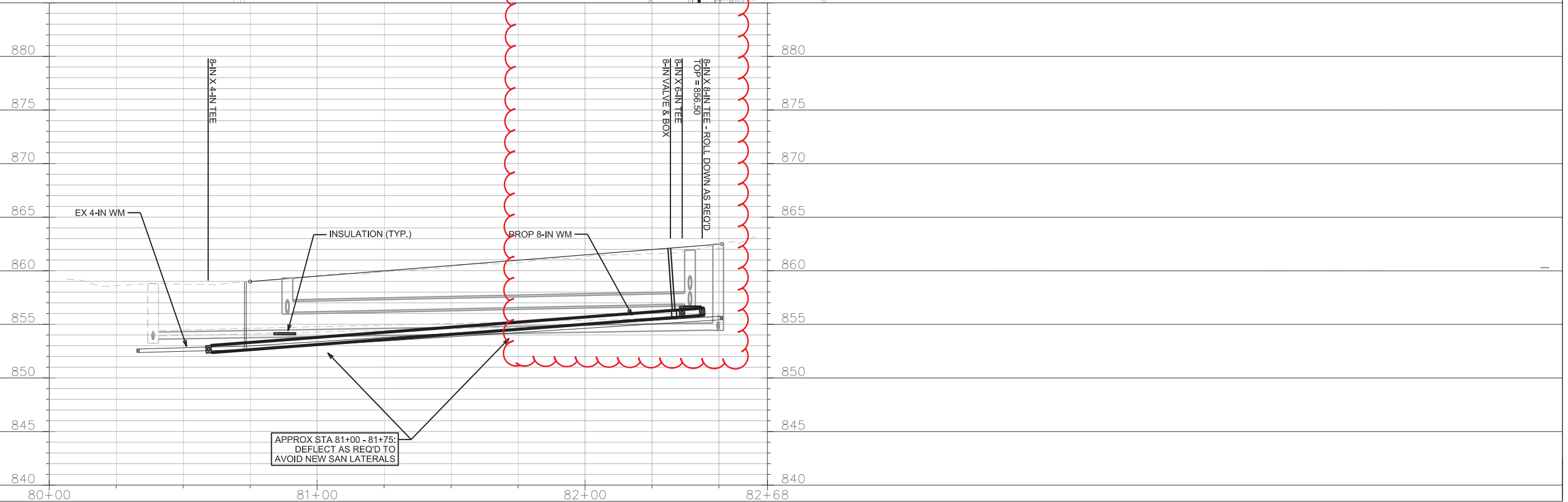


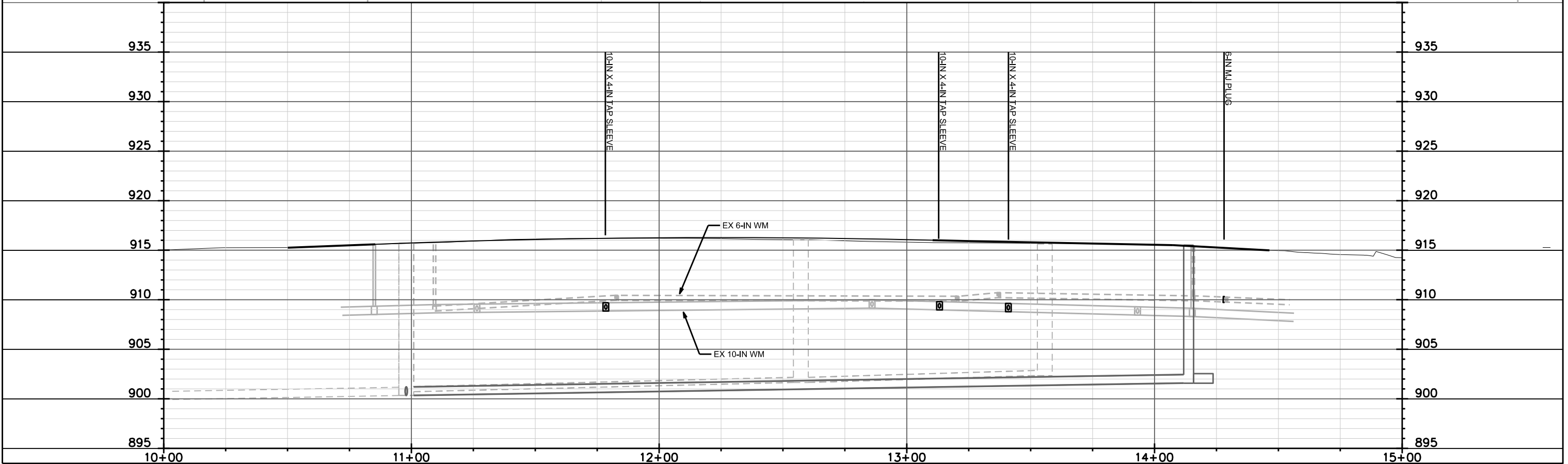
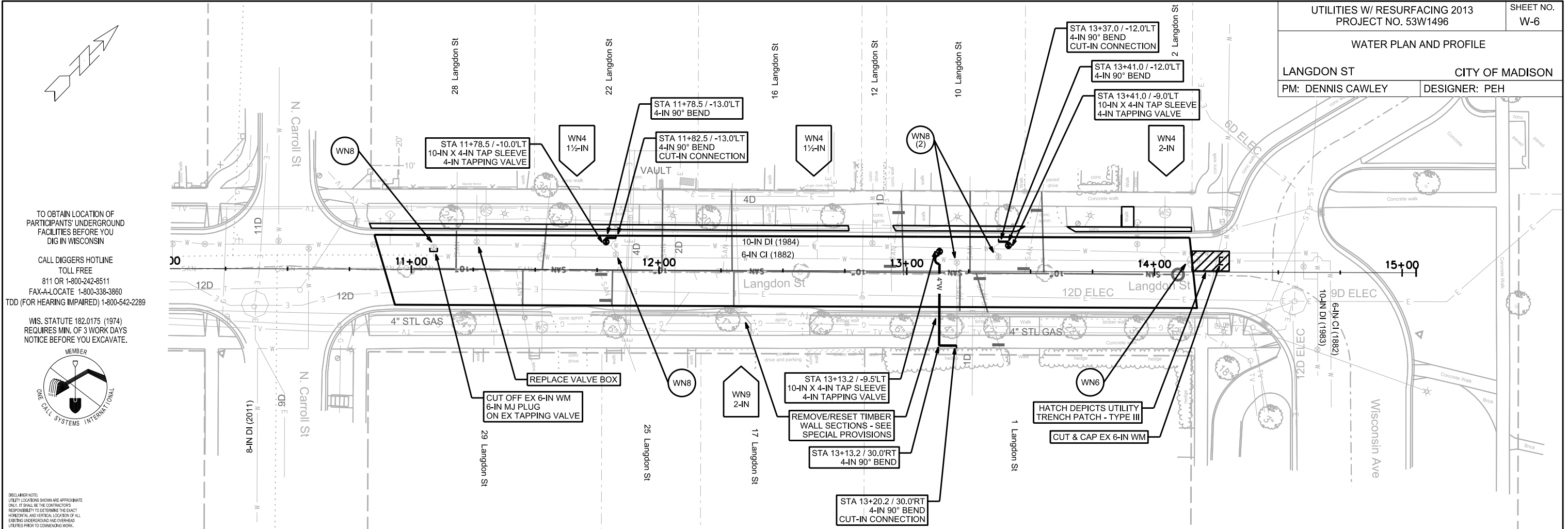
PLOT SCALE: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

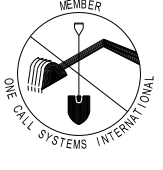




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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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.

N BROOKS, CLYMER, BERNARD:

- 40' - 4" PIPE
- 40' - 6" PIPE
- 900' - 8" PIPE

1170' - POLYWRAP

- 1- 4" VALVE & BOX
- 2- 6" VALVE & BOX
- 5- 8" VALVE & BOX

- 3- 8"X4" TEE
- 2- 8"X6" TEE
- 3- 8"X8" TEE

3- 4" 90° BEND

1- 8"X6" TEMPORARY REDUCER

- 1- 4" MJ CAP
- 1- 8" MJ CAP
- 4- 4" MJ PLUG
- 2- 8" MJ PLUG
- 1- 10" MJ PLUG

2- 5-IN HYDRANT
1- TEMPORARY HYDRANT

48' - 2" STYROFOAM INSULATION

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

LANGDON ST:

80' - 4" PIPE

90' - POLYWRAP

6- 4" 90° BEND

2- 6" MJ PLUG

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

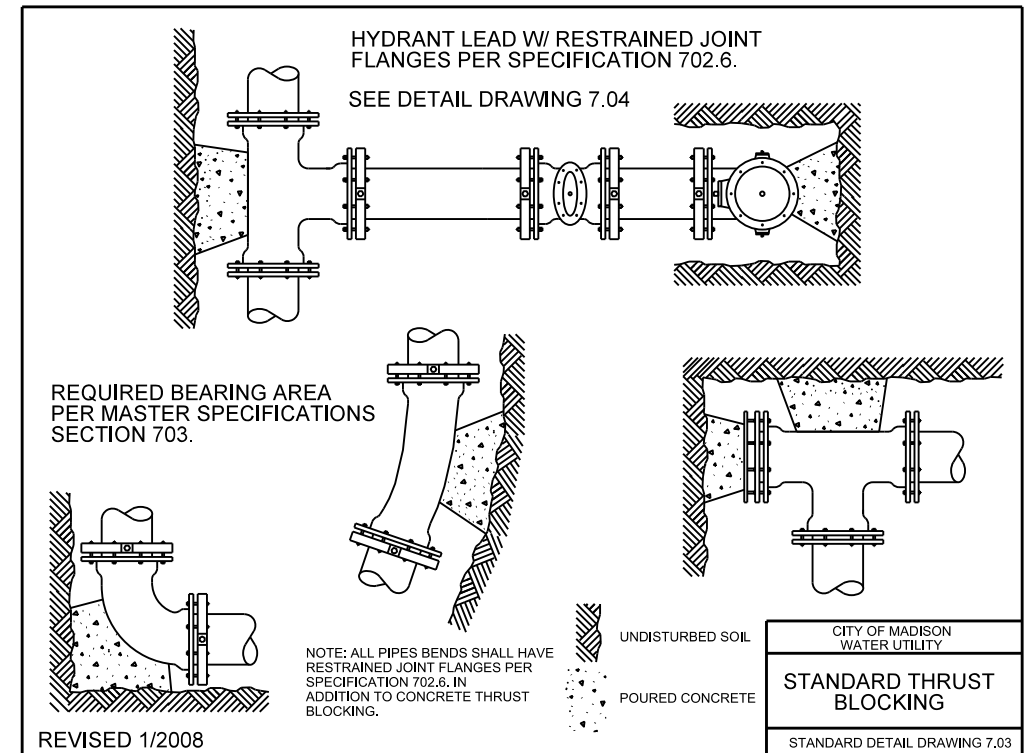
MATERIALS SUPPLIED BY CITY:

N BROOKS, CLYMER, BERNARD:

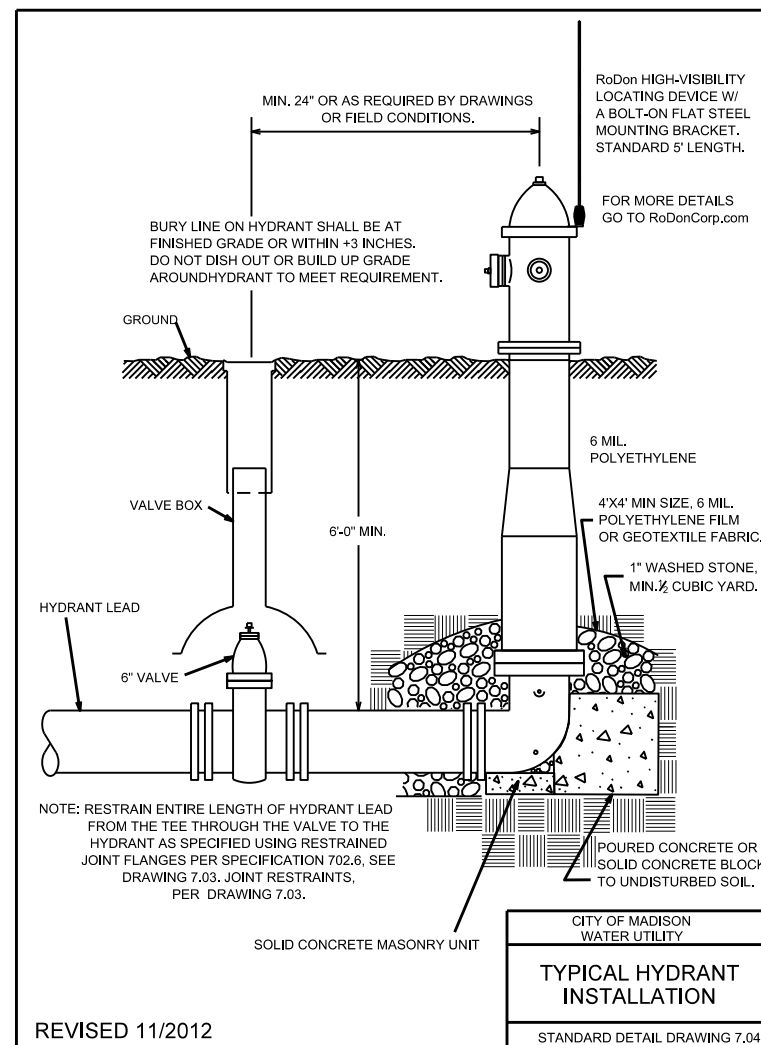
- 1- 4"X4" TAP SLEEVE
- 1- 4" TAPPING VALVE

LANGDON ST:

- 3- 10"X4" TAP SLEEVE
- 3- 4" TAPPING VALVE



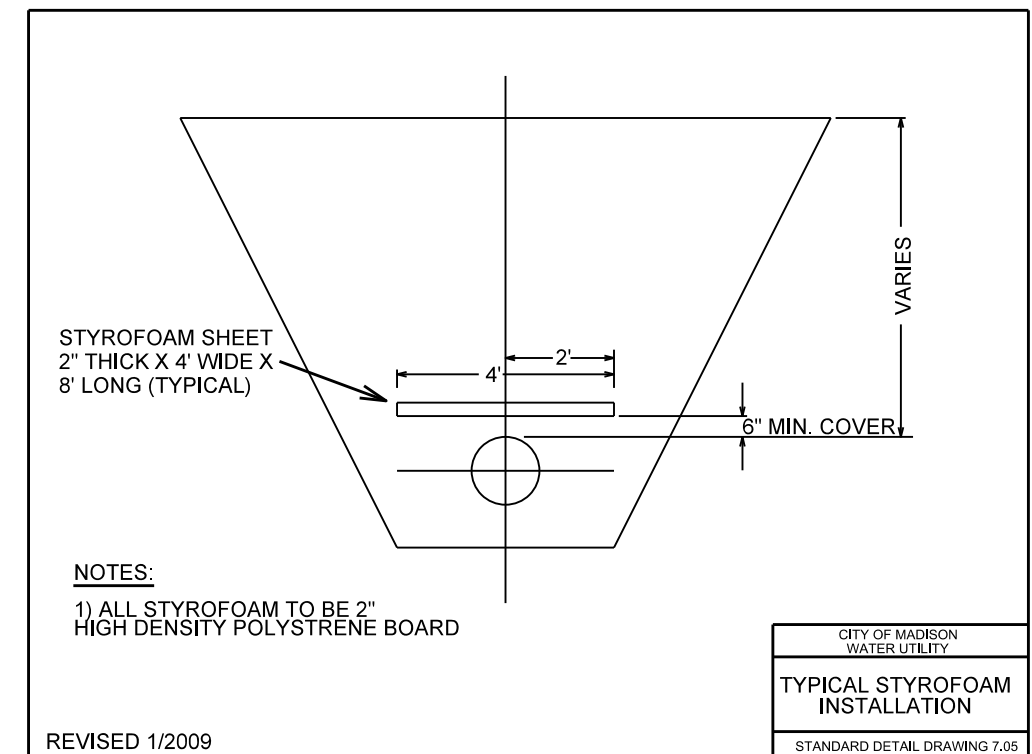
REVISED 1/2008



REVISED 11/2012

TYPICAL HYDRANT
INSTALLATION

STANDARD DETAIL DRAWING 7.04



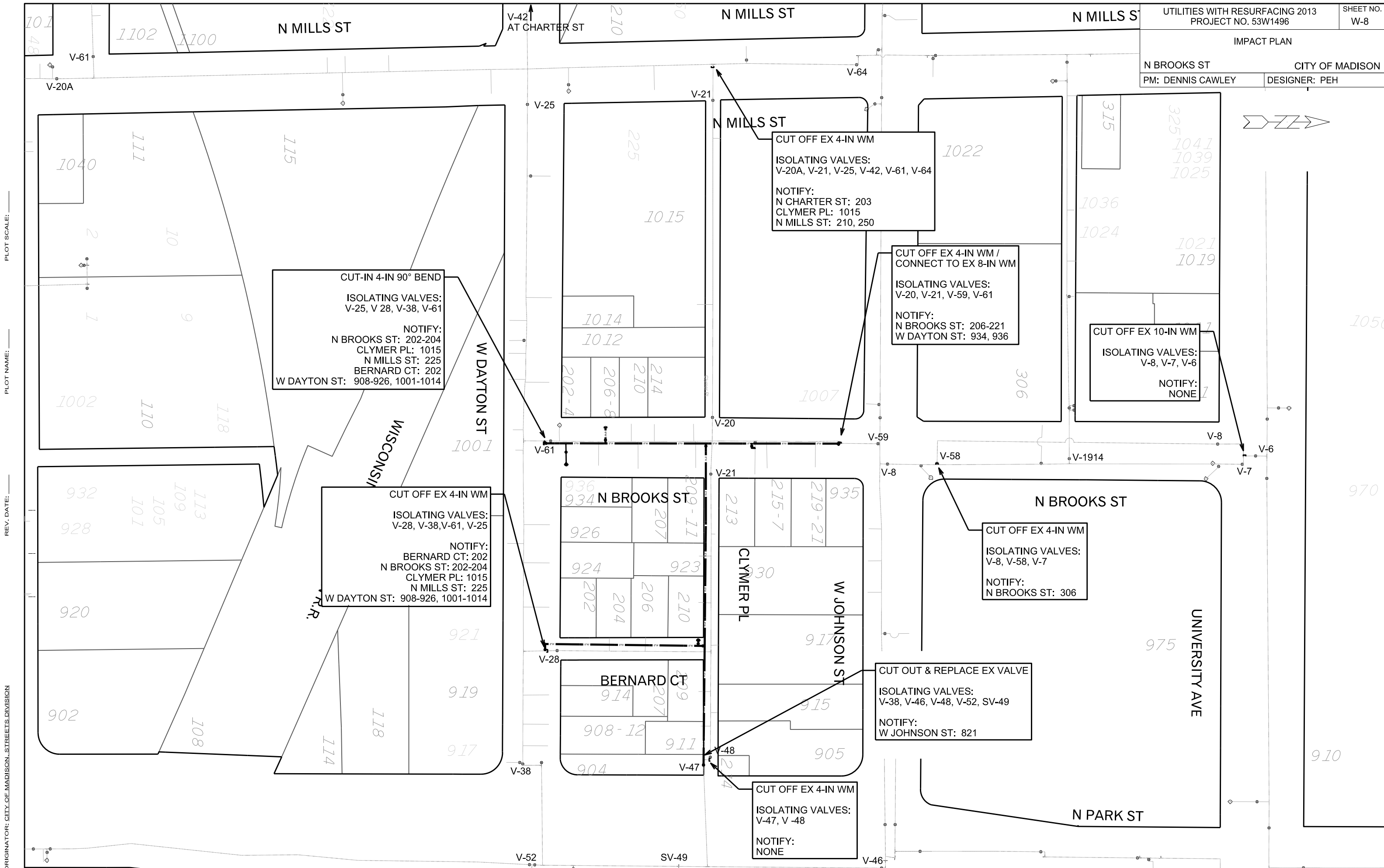
REVISED 1/2009

TYPICAL STYROFOAM
INSTALLATION

STANDARD DETAIL DRAWING 7.05

IMPACT PLAN

N BROOKS ST CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: PEH



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER IMPACT PLAN

LANGDON ST CITY OF MADISON

PM: DENNIS CAWLEY DESIGNER: PEH

CUT OFF EX 6-IN WM
ISOLATING VALVES:
V-26, V-27, V-28, V-21

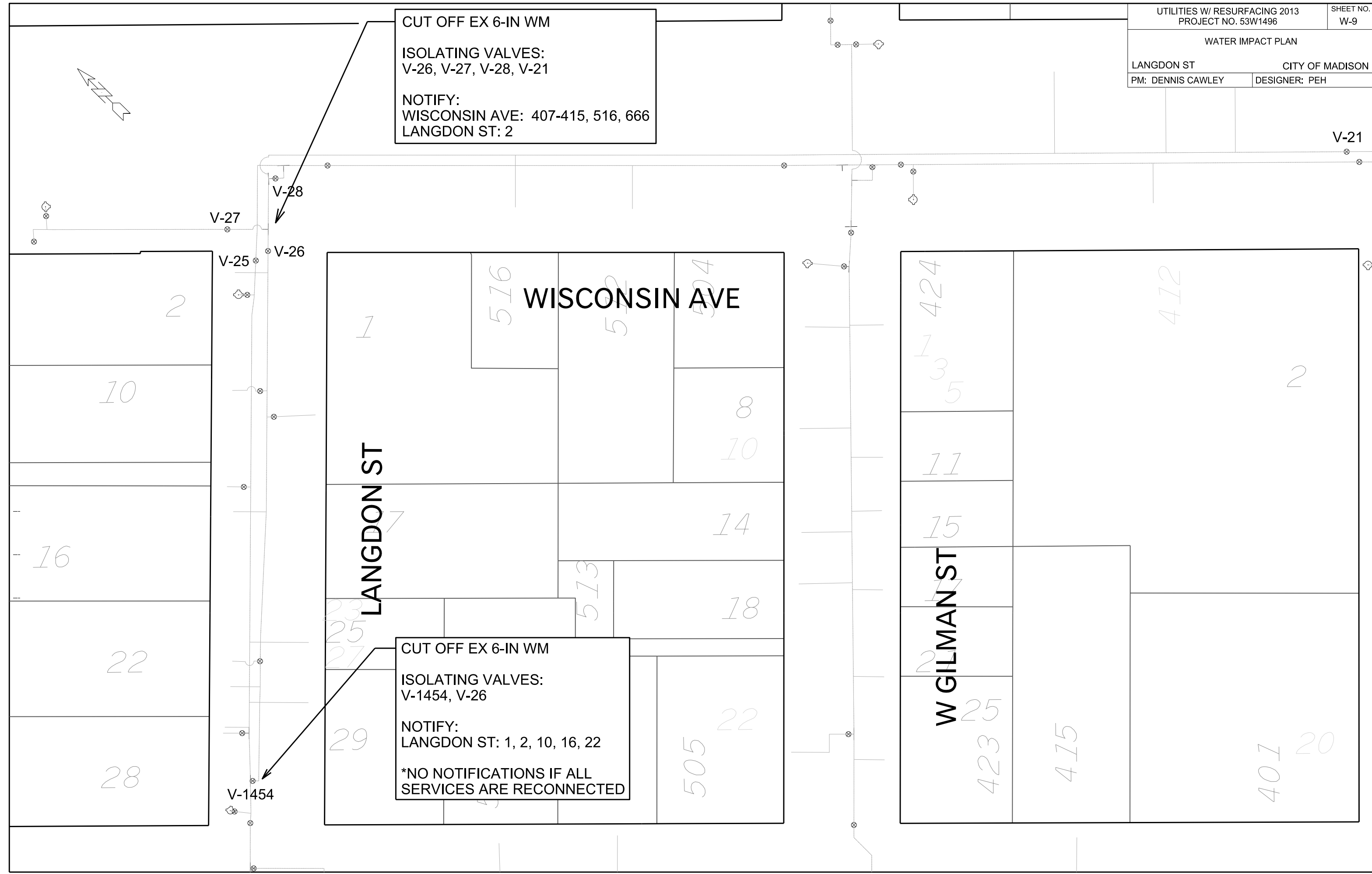
NOTIFY:
WISCONSIN AVE: 407-415, 516, 666
LANGDON ST: 2

CUT OFF EX 6-IN WM
ISOLATING VALVES:
V-1454, V-26

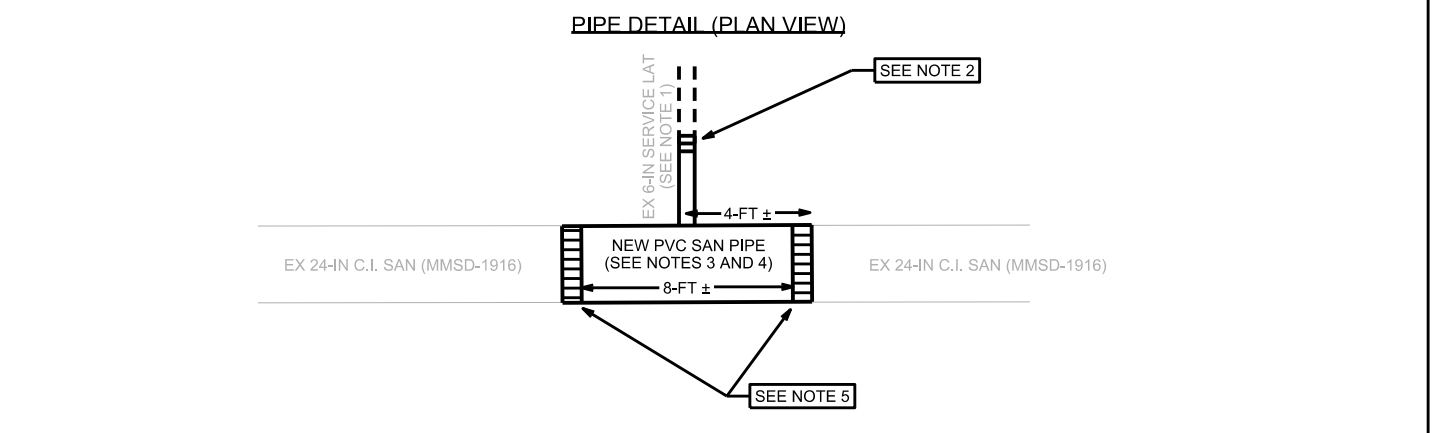
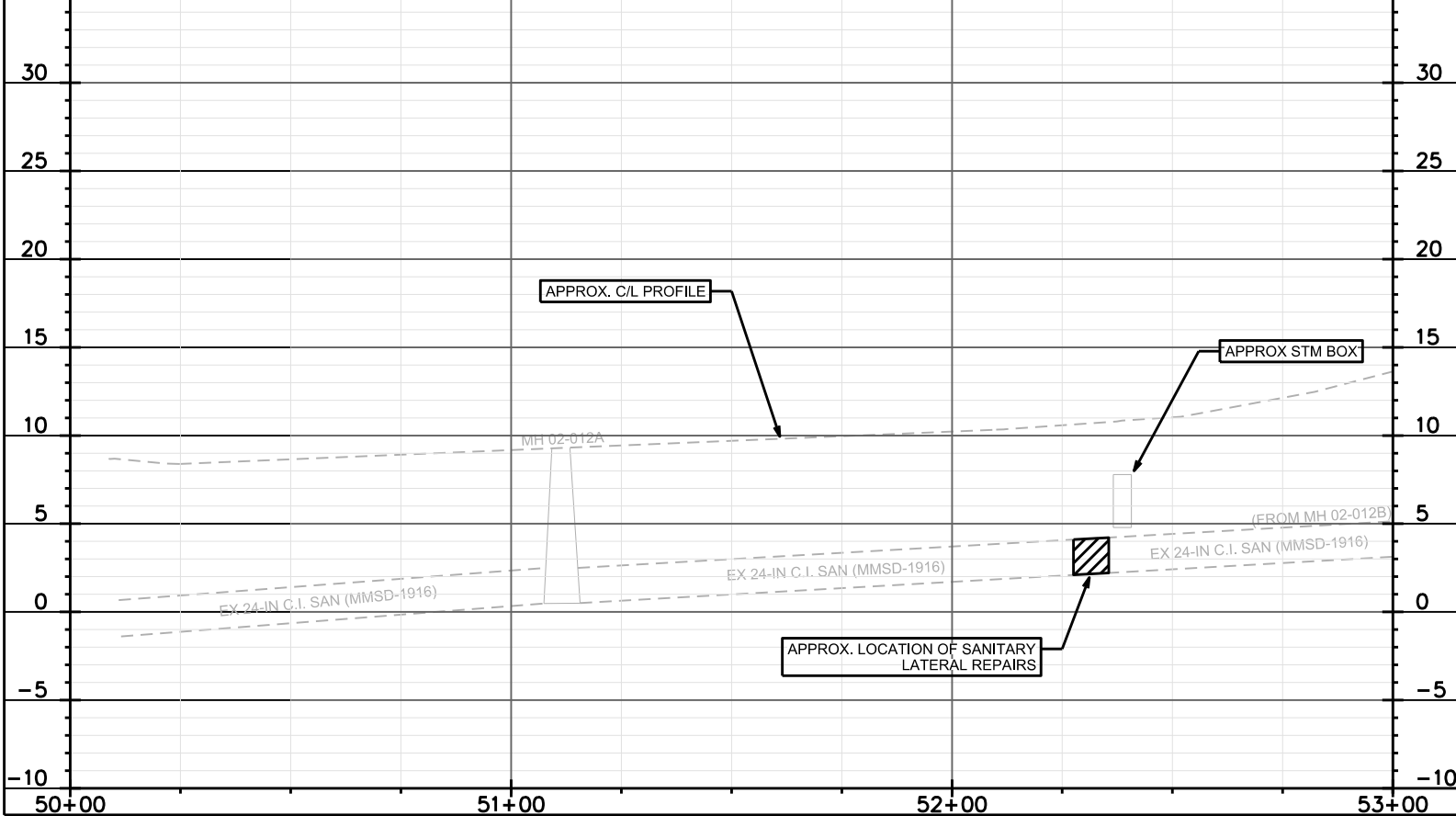
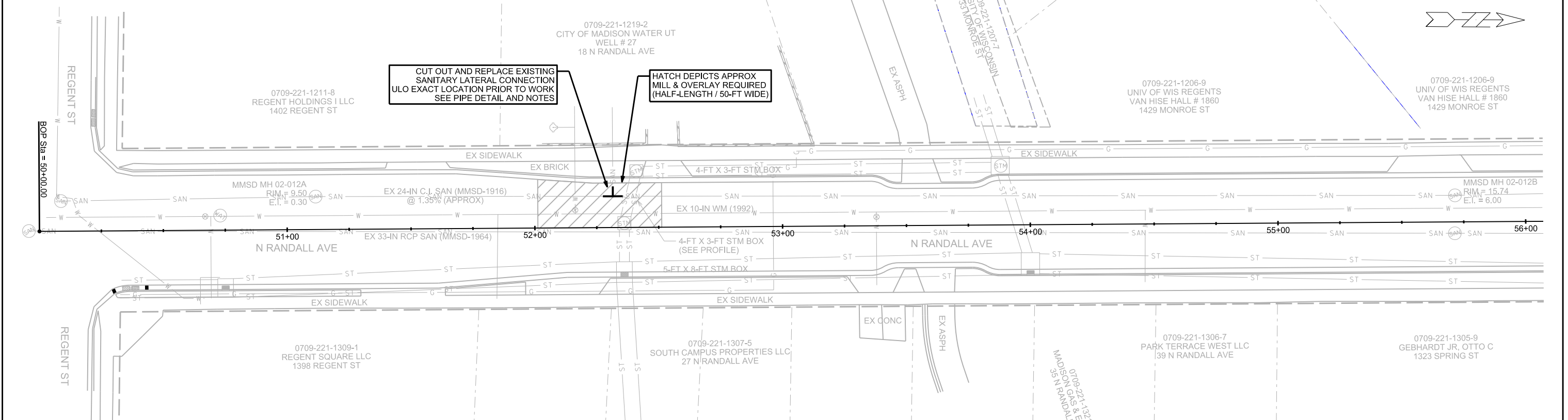
NOTIFY:
LANGDON ST: 1, 2, 10, 16, 22

*NO NOTIFICATIONS IF ALL
SERVICES ARE RECONNECTED

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



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- NOTES:
- 1) SERVICE LATERAL IS 6-IN PER RECORDS; CONTRACTOR TO VERIFY (BY ULO) PRIOR TO ANY PIPE REMOVAL. ALLOW ENOUGH LAG TIME TO ORDER TEE FITTING (NOTE 2).
 - 2) RE-ATTACH SERVICE LATERAL TO NEW PVC INTERCEPTOR WITH "INSERTA-TEE" CONNECTION (<http://www.insertatee.com>).
 - 3) REMOVE SECTION OF 24-IN C.I. PIPE WITH CONCRETE DEBRIS IN BOTTOM AT LATERAL CONNECTION POINT (MIN 6-FT). SAW CUT EITHER END OF MAIN PRIOR TO REMOVAL. TOTAL LENGTH OF 24-IN PIPE TO BE REPLACED IS ESTIMATED TO BE 8-FT.
 - 4) PIPE REPLACEMENT MATERIAL SHALL BE PVC (C-905), DR 32.5. PROVIDE PIPE BEDDING PER DETAIL DRAWING 5.2.1 OF STANDARD SPECIFICATIONS
 - 5) CONNECT PVC TO EXISTING CAST IRON AT EITHER END WITH FERNCO COUPLING WITH STAINLESS STEEL SHEAR RING OR SMITH BLAIR MODEL 263 FULL CIRCLE CLAMP (OR EQUAL)
 - 6) CONTRACTOR MAY PLUG UPSTREAM MANHOLE (MH02-012B) DURING REPAIR. SERVICE FROM APARTMENTS AT 27 N RANDALL AVE IS LOCATED BETWEEN SAID MANHOLE AND REPAIR LOCATION. SUMP OUT OF TRENCH TO SANITARY SEWER AS REQUIRED (COST INCIDENTAL TO REPAIR).
 - 7) THE CONTRACTOR SHALL CONTACT RAY SCHNEIDER OF MMSD AT 608-347-3606 A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY WORK ON THE SEWER MAIN REPAIR.

PLOT SCALE: 1" = 40' (11"x17" SHEET)
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION