

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 22, 2013

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Michael R. O'Leary 2/12/2013
City Engineer Date

INDEX OF SHEETS

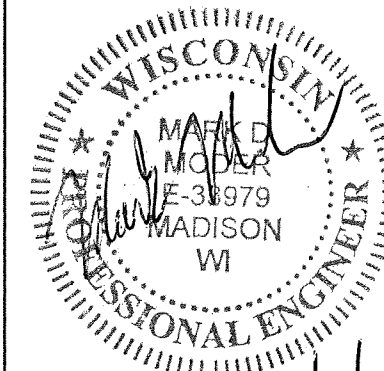
SHEET NO.	TITLE
1	
DI-D4	DETAILS
EC1-EC2	EROSION CONTROL PLANS
P1-P4	STREET PLAN & PROFILE
U1-U4	UTILITY PLAN & PROFILE
U5-U6	UTILITY LINE OPENINGS
U7-U9	SEWER SCHEDULES
W1-W6	WATER PLANS & MATERIALS
TC1-TC13	TRAFFIC CONTROL PLANS
M1-M4	PAVEMENT MARKING PLANS
E1-E3	ELECTRICAL PLAN
X1-X4	CROSS SECTIONS

SOUTH WEBSTER STREET ASSESSMENT DISTRICT - 2013

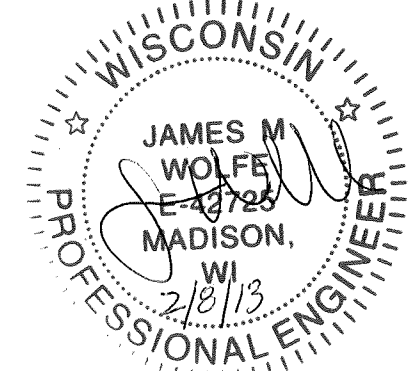
CITY PROJECT NO. 53W1194

CITY CONTRACT NO. 7011

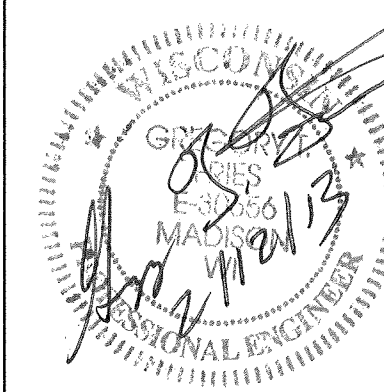
SANITARY SEWER DESIGNED BY:



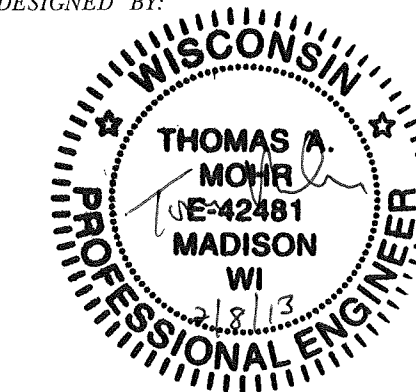
STREET DESIGNED BY:



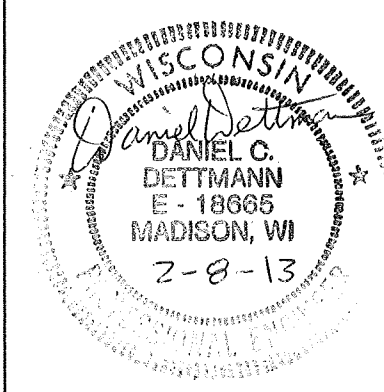
STORM SEWER DESIGNED BY:



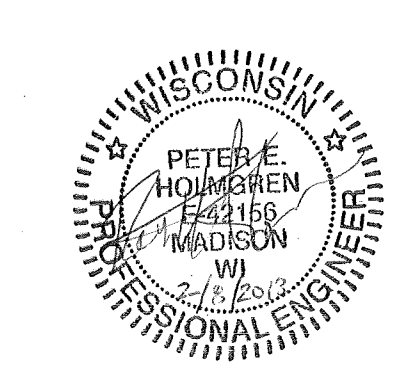
TRAFFIC CONTROL & PAVEMENT MARKINGS DESIGNED BY:



ELECTRICAL DESIGNED BY:



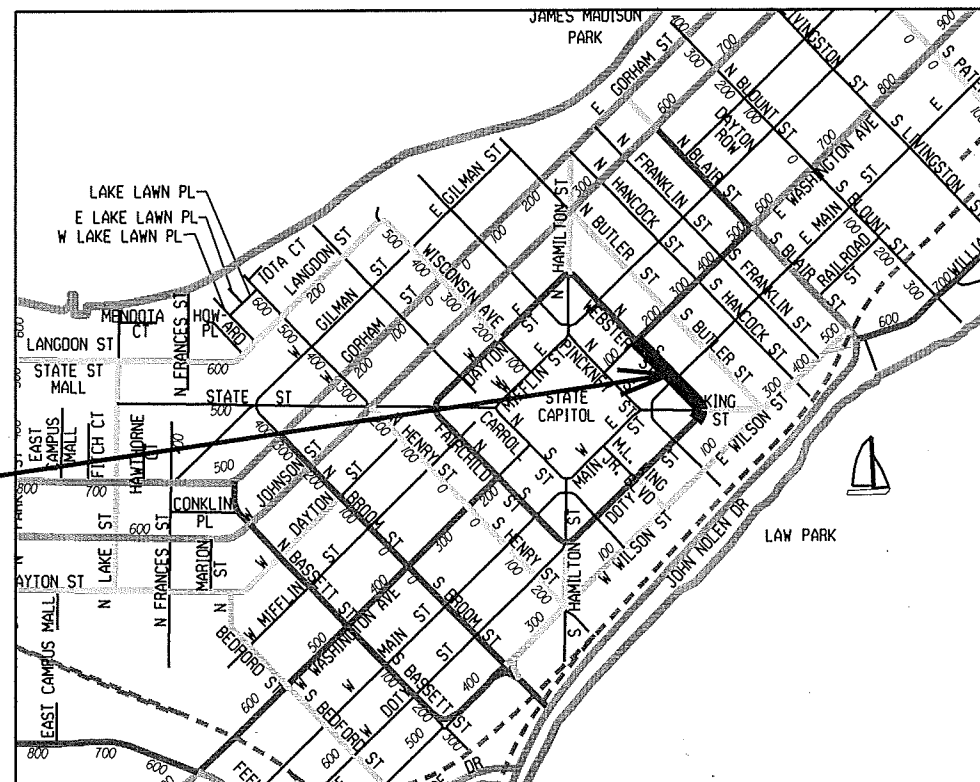
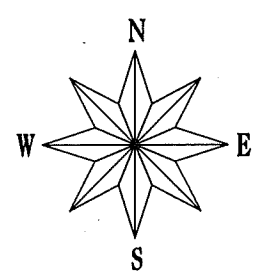
WATER DESIGNED BY:



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:

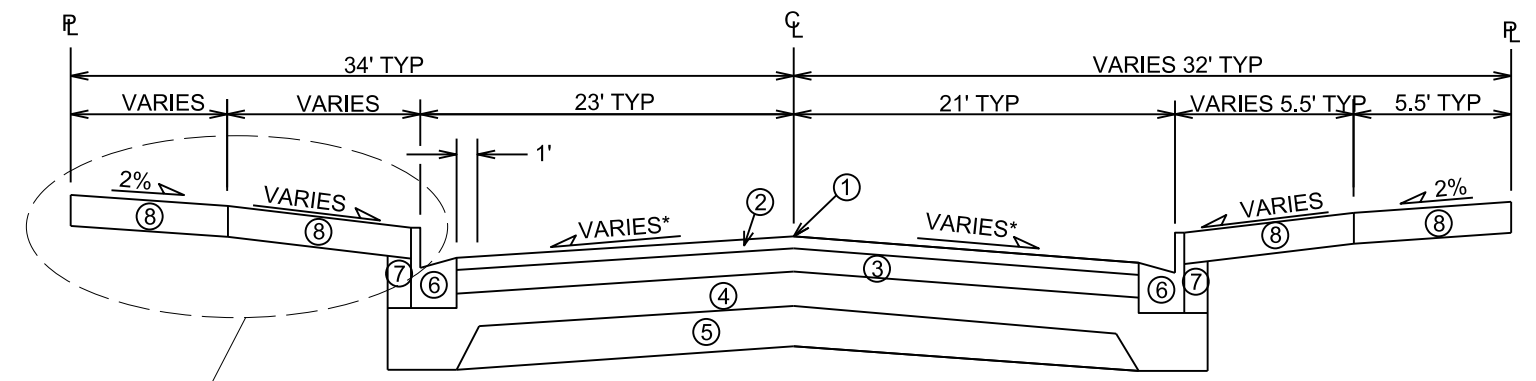
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

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:

EXCAVATION CUT (MEASURED PLAN QUANTITY).....	2,695 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....	475 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....	3,170 C.Y.

PLOT SCALE: REV. DATE: ORIGINATOR: CITY_OF_MADISON_STREETS.DIVISION



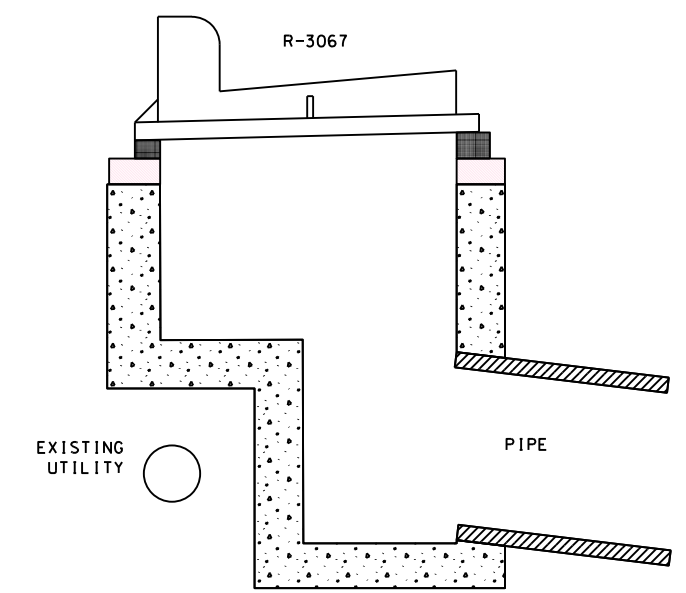
TYPICAL FINISHED SECTION
S. WEBSTER ST.

- ① POINT REFERRED TO ON PROFILE
- ② 2¼" BITUMINOUS UPPER LAYER, TYPE E-3 MODIFIED 70-28
- ③ 3½" BITUMINOUS LOWER LAYER, TYPE E-3
- ④ 6" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' OR 'X' CONCRETE CURB & GUTTER, REPLACE AS NOTED ON PLAN
- ⑦ FILL, INCIDENTAL
- ⑧ 5" CONCRETE SIDEWALK OR TERRACE, REPLACE AS NOTED ON PLAN

* SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.

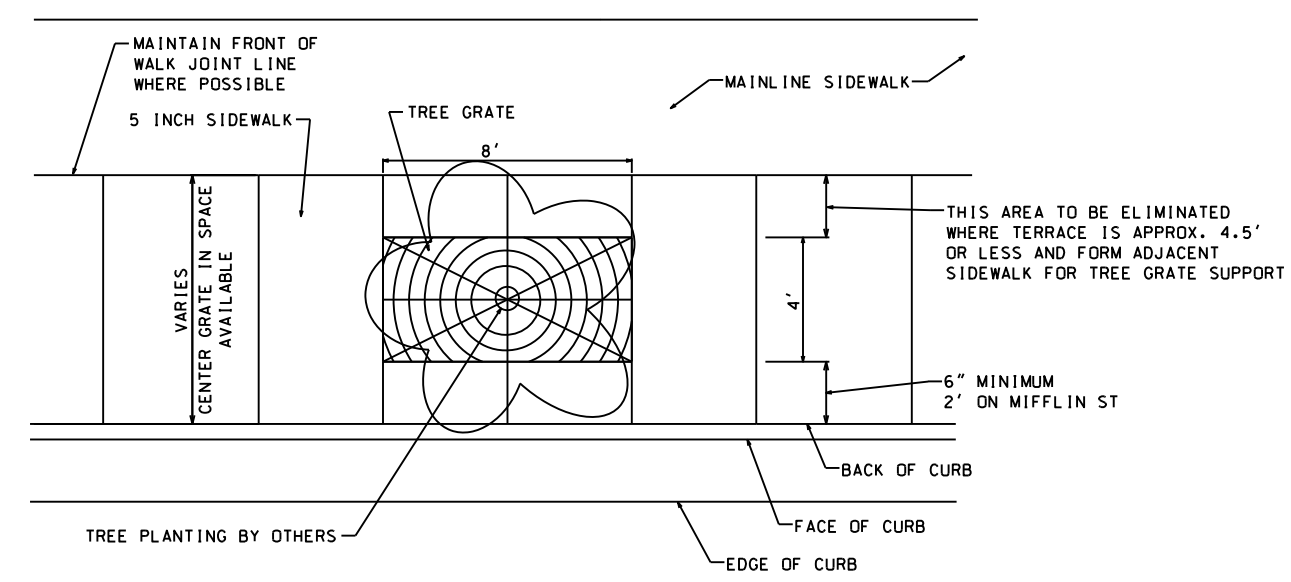
TYPICAL SECTION NOT TO SCALE

MODIFIED "H" INLET
NOT TO SCALE



NOTE:
INLET TO BE CONSTRUCTED IN ACCORDANCE WITH S.D.D. 5.7.7 WITH DIMENSIONS DETERMINED BY FIELD CONDITIONS AND THE APPROVAL OF THE CONSTRUCTION ENGINEER.

TREE GRATE INSTALLATION DETAIL
NOT TO SCALE



REINFORCING FOR TREE GRATES WITHIN
1' OR LESS OF EXISTING CONCRETE
NOT TO SCALE

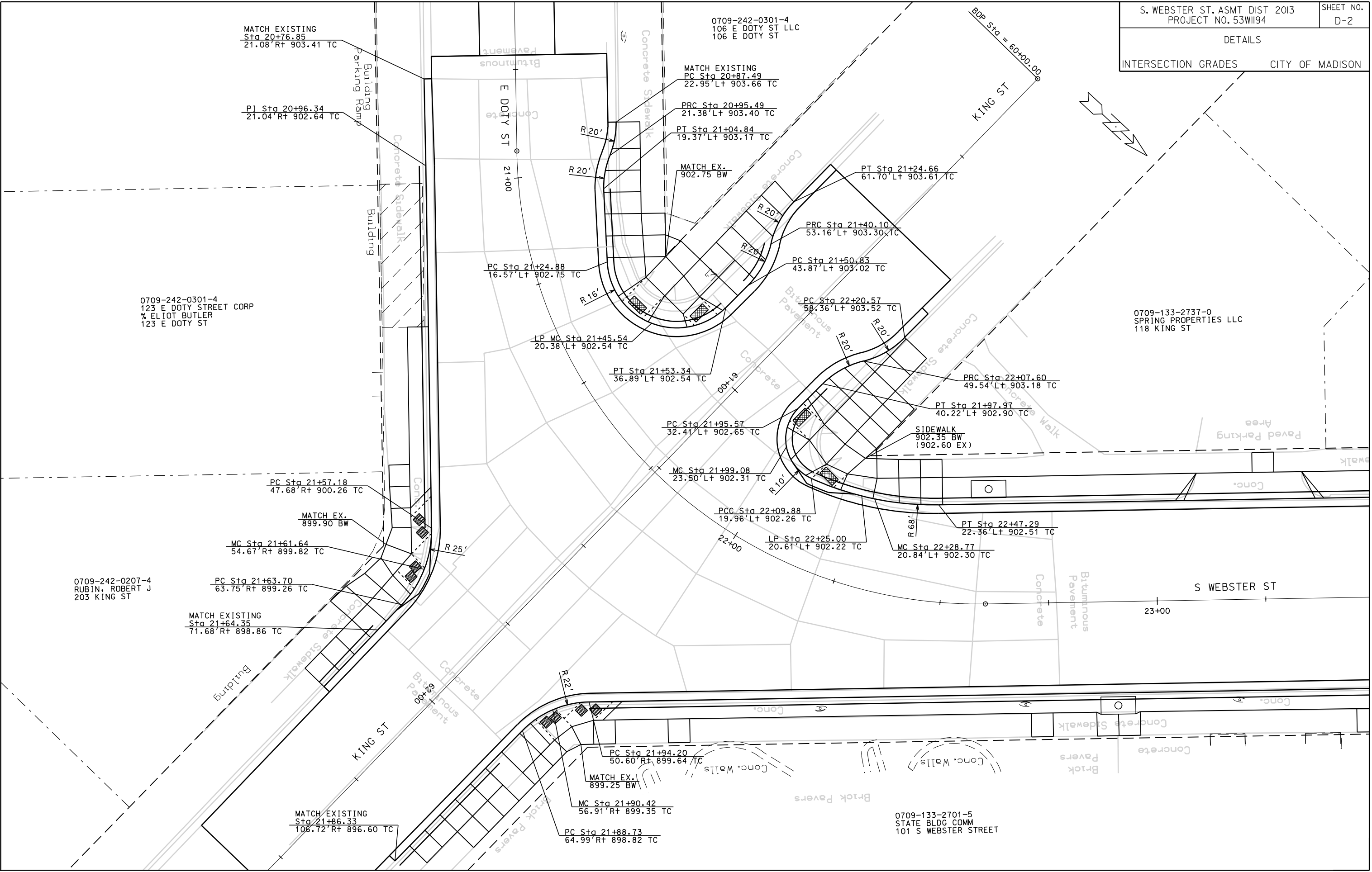
- NOTES:
- 1. TREE GRATE LOCATIONS TO BE VERIFIED WITH ENGINEER
 - 2. WHEN MATURE TREE IS OFF CENTER. VERIFY WITH ENGINEER TO DETERMINE EXPOSED AGGREGATE LIMITS & OPENING LOCATION
 - 3. VERIFY JOINT PATTERN WITH ENGINEER
 - 4. REFER TO S.D.D. 2.02 FOR BACKFILL DETAILS

PLOT SCALE: _____

PLOT NAME: _____

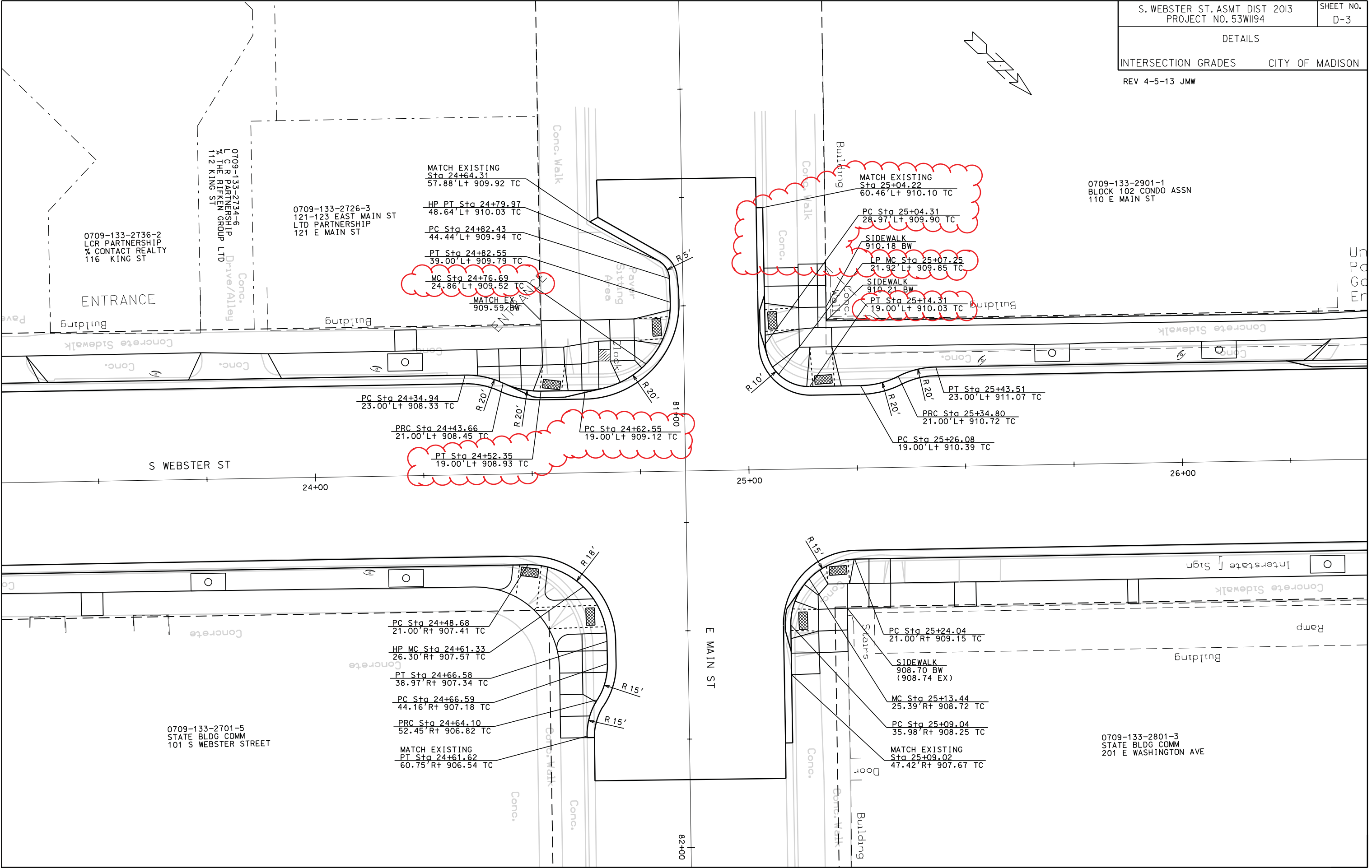
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:
PLOT NAME:
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: 1" = 20'

PLOT NAME: S WEBSTER ST @ E MAIN ST

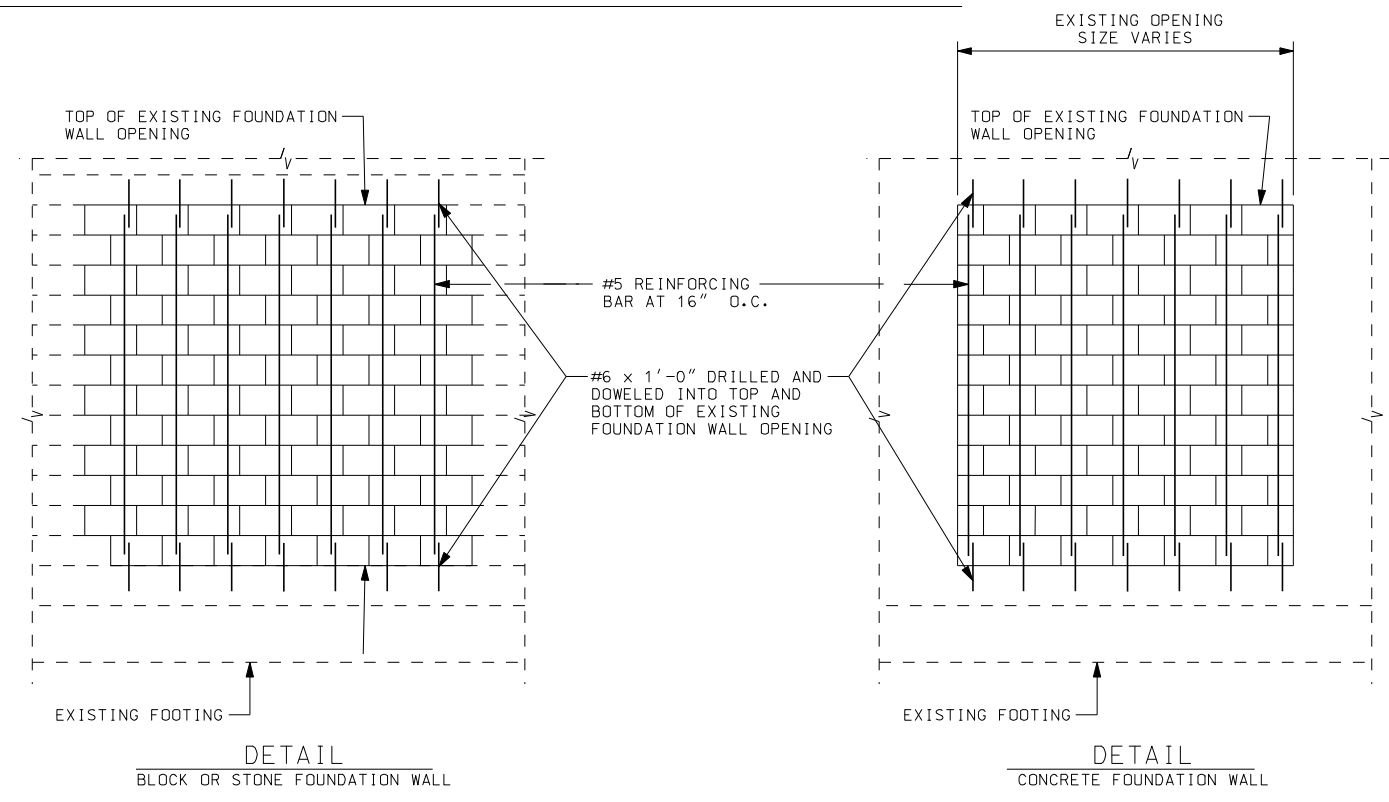
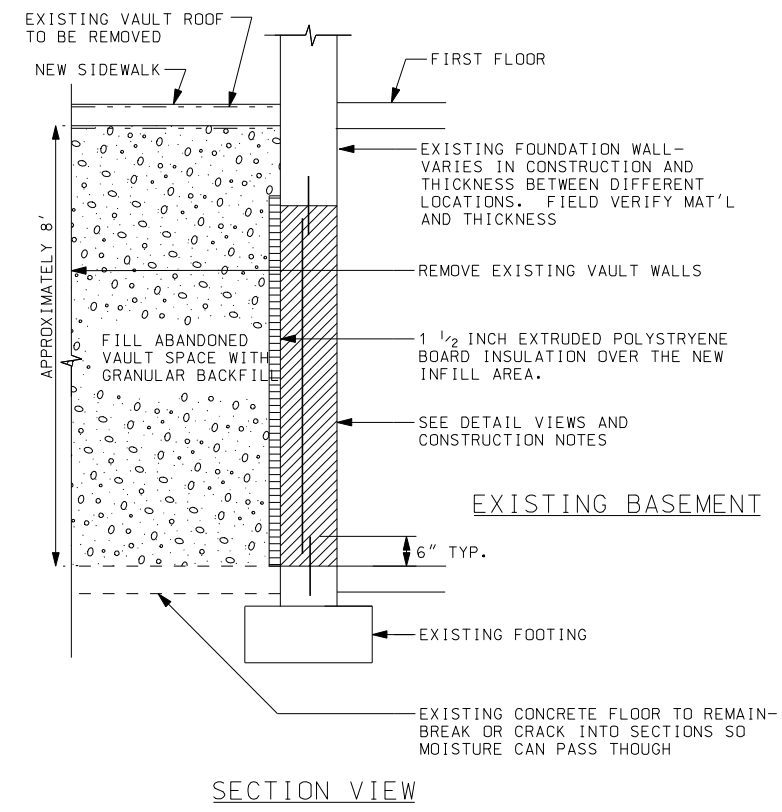
REV. DATE: 4/5/2013

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DETAILS

ABANDON VAULT CITY OF MADISON

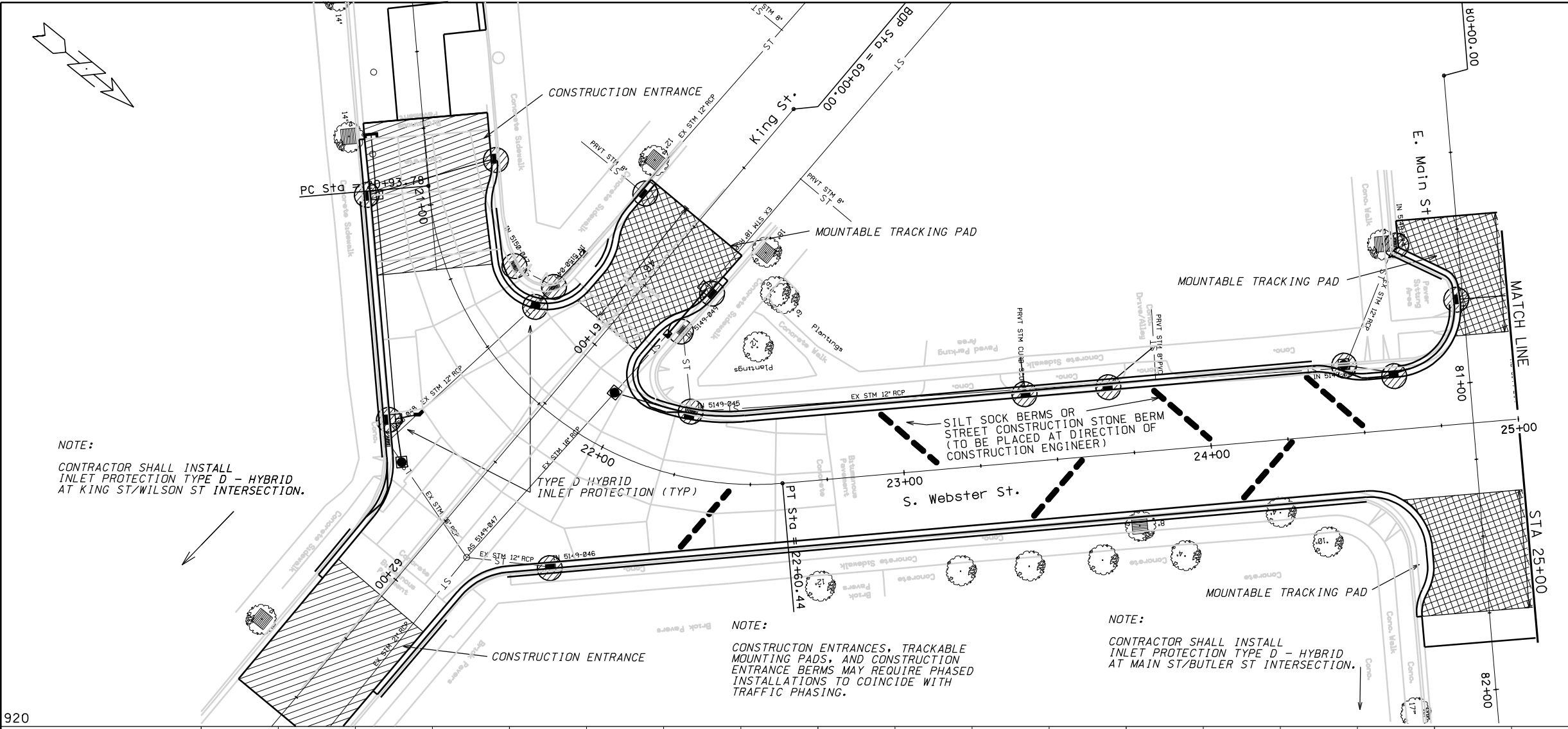
(UNDISTRIBUTED) ABANDONED VAULT & VAULT WALL DETAIL



- CONSTRUCTION SEQUENCE:
1. REMOVE EXISTING VAULT CONCRETE ROOF, DOOR AND FRAME.
 2. DRILL AND DOWEL #6 BARS x 1'-0" LONG INTO THE TOP AND BOTTOM OF FOUNDATION WALL OPENING AND GROUT SOLID.
 3. CLOSE DOOR OPENING WITH MASONRY UNITS. MATCH WIDTH OF EXISTING WALL. PER SECTION 519 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS. USE TYPE N PORTLAND AND LIME MORTAR. USE HOT DIPPED GALVANIZED HORIZONTAL JOINT REINFORCEMENT AT 16" O.C.
 4. THE EXTERIOR SURFACE OF THE MASONRY SHALL BE PARGED AND DAMP PROOFED..
 5. BREAK/CRACK EXISTING CONCRETE VAULT FLOOR.
 6. REMOVE OUTER WALLS OF VAULT.
 7. FILL VAULT WITH GRANULAR BACKFILL PER SECTION 209 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS.

PLOT SCALE:
PLOT NAME:
REV. DATE:

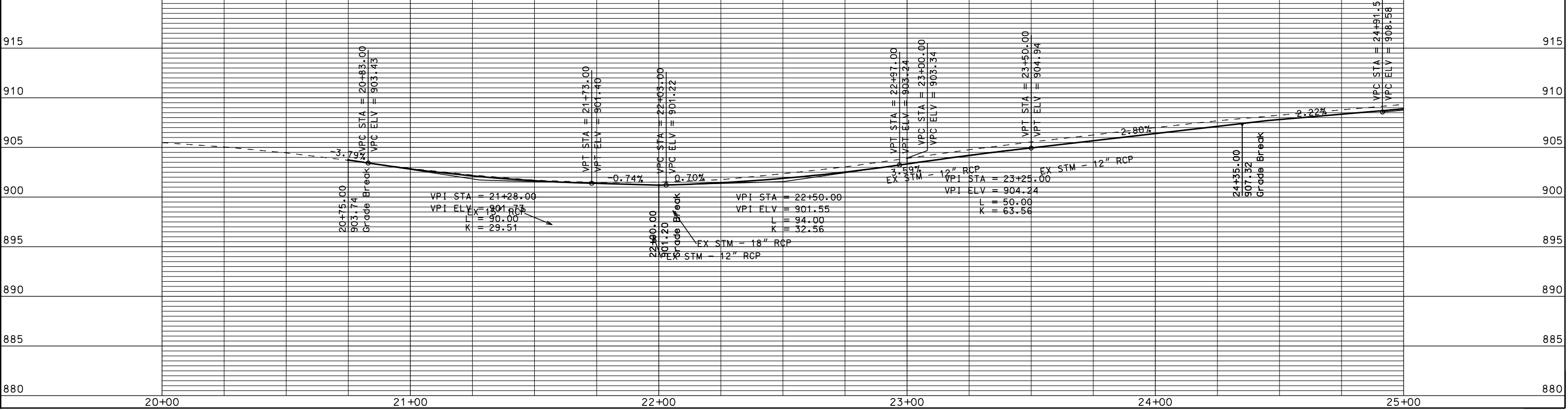
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



NOTE:
CONTRACTOR SHALL INSTALL INLET PROTECTION TYPE D - HYBRID AT KING ST/WILSON ST INTERSECTION.

NOTE:
CONSTRUCTION ENTRANCES, TRACKABLE MOUNTING PADS, AND CONSTRUCTION ENTRANCE BERMS MAY REQUIRE PHASED INSTALLATIONS TO COINCIDE WITH TRAFFIC PHASING.

NOTE:
CONTRACTOR SHALL INSTALL INLET PROTECTION TYPE D - HYBRID AT MAIN ST/BUTLER ST INTERSECTION.

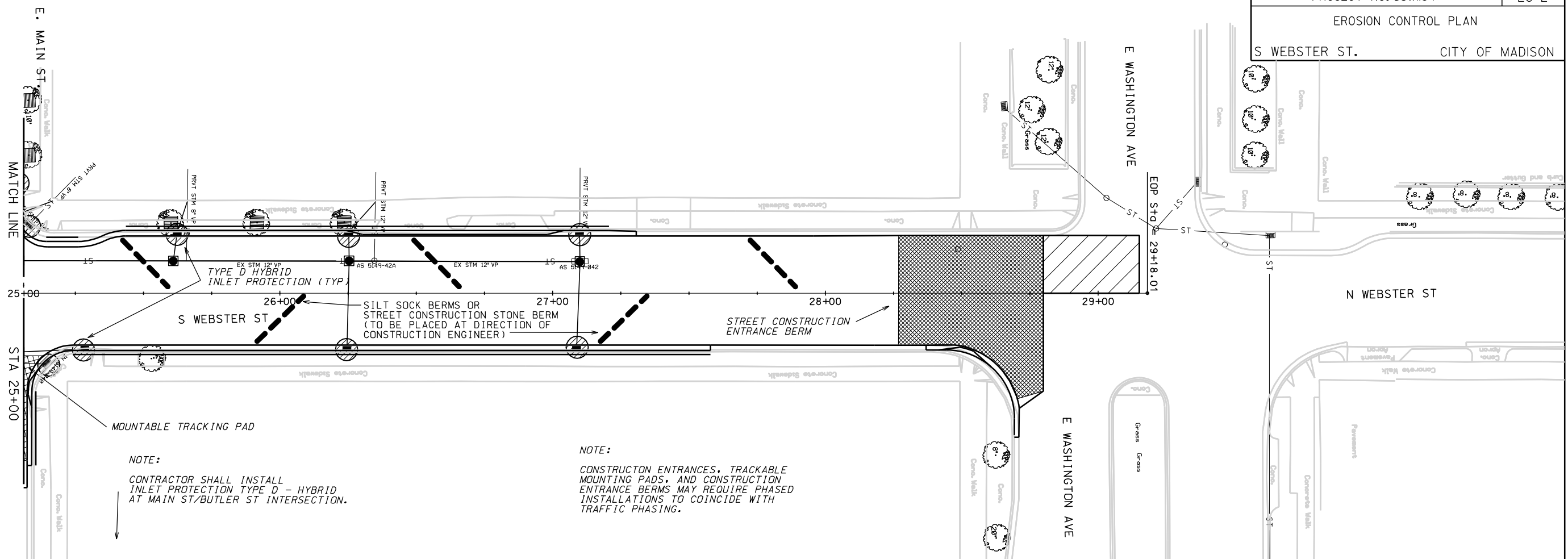


PLOT SCALE: 1"=40'

PLOT NAME:

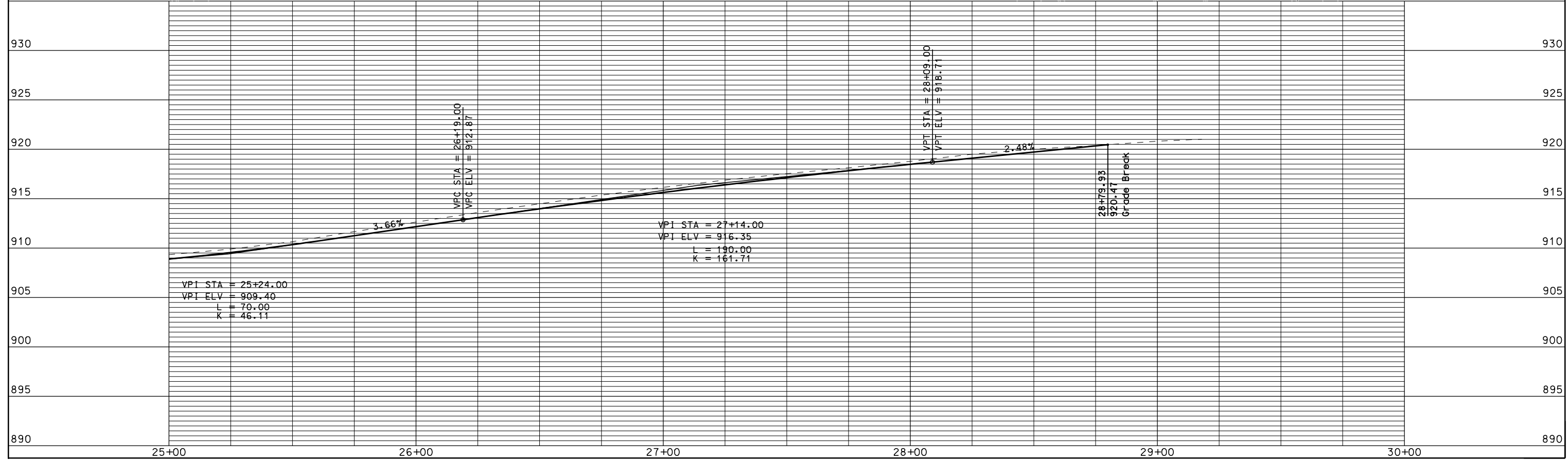
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



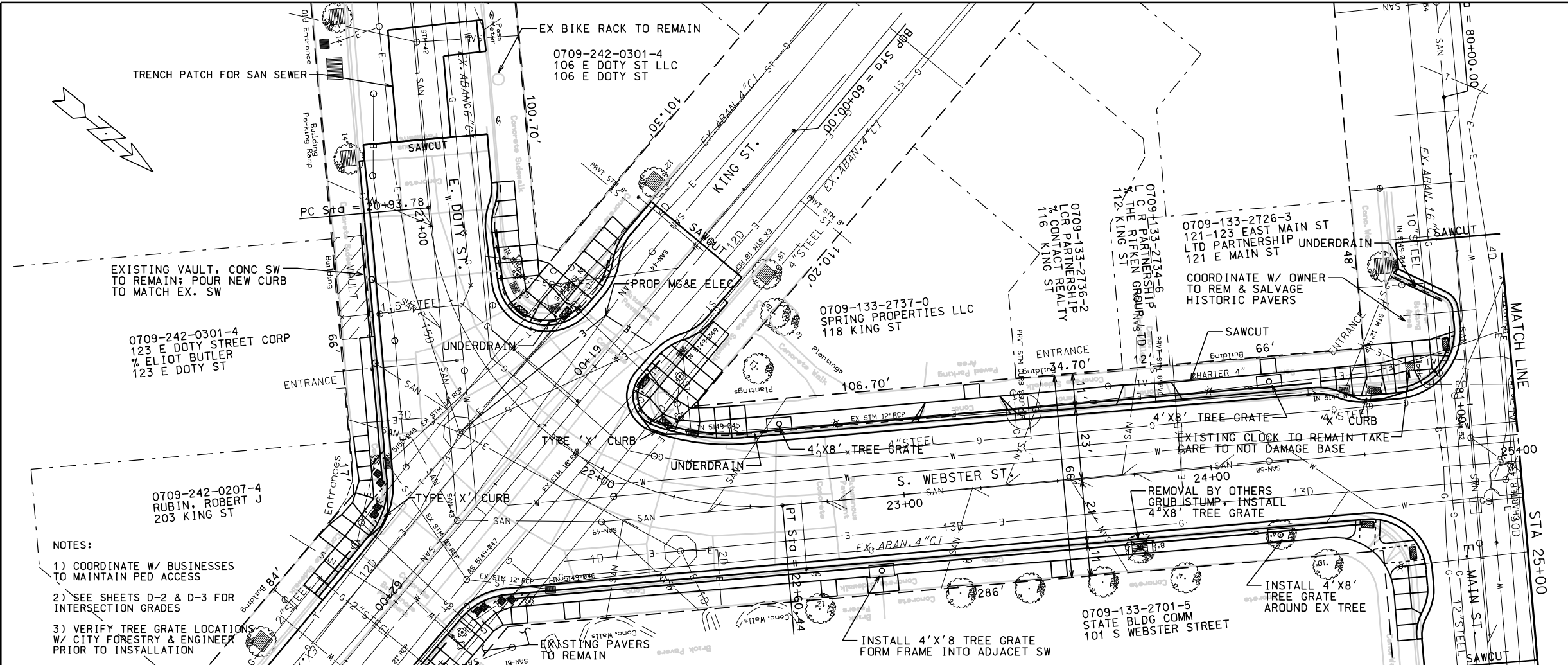
NOTE:
CONTRACTOR SHALL INSTALL
INLET PROTECTION TYPE D - HYBRID
AT MAIN ST/BUTLER ST INTERSECTION.

NOTE:
CONSTRUCTION ENTRANCES, TRACKABLE
MOUNTING PADS, AND CONSTRUCTION
ENTRANCE BERMS MAY REQUIRE PHASED
INSTALLATIONS TO COINCIDE WITH
TRAFFIC PHASING.

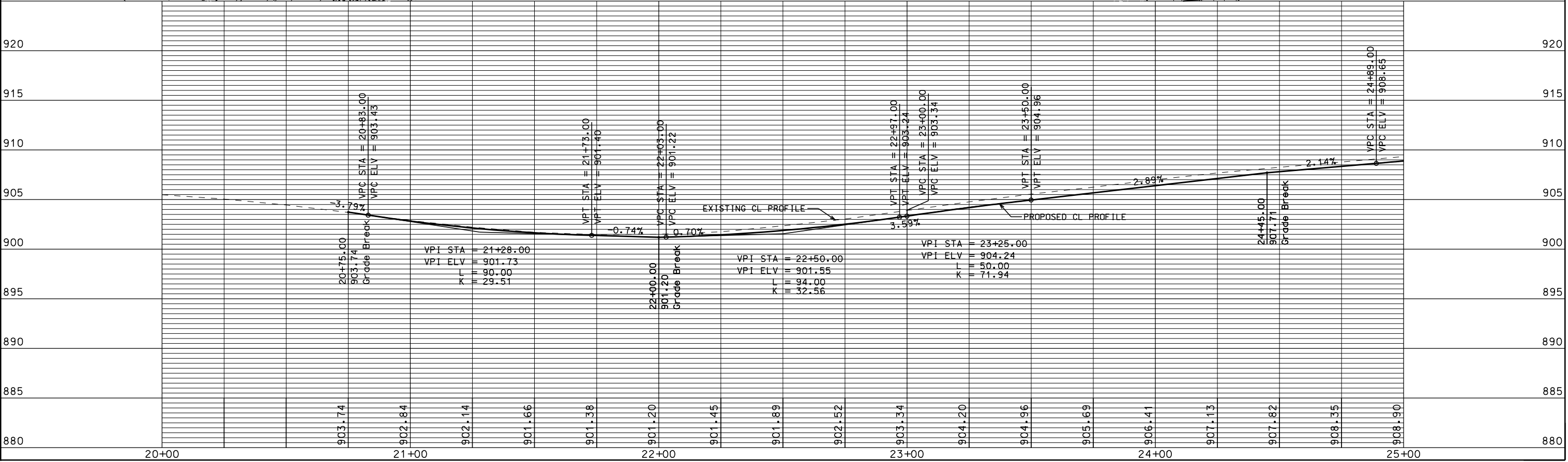


PLOT SCALE:
PLOT NAME:
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- NOTES:
- 1) COORDINATE W/ BUSINESSES TO MAINTAIN PED ACCESS
 - 2) SEE SHEETS D-2 & D-3 FOR INTERSECTION GRADES
 - 3) VERIFY TREE GRATE LOCATIONS W/ CITY FORESTRY & ENGINEER PRIOR TO INSTALLATION

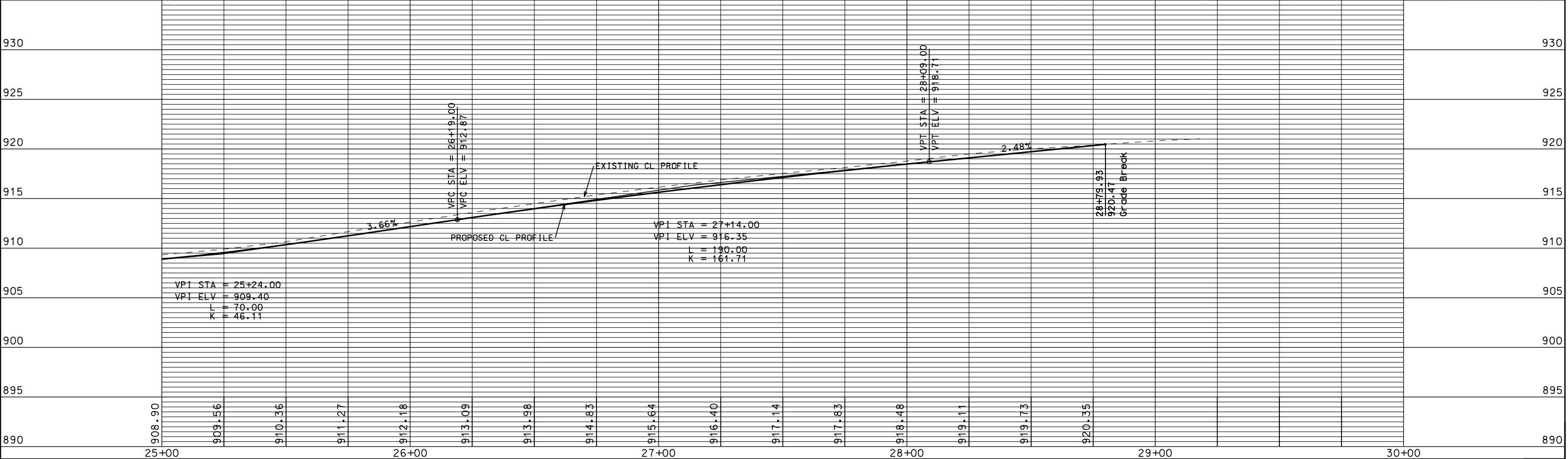
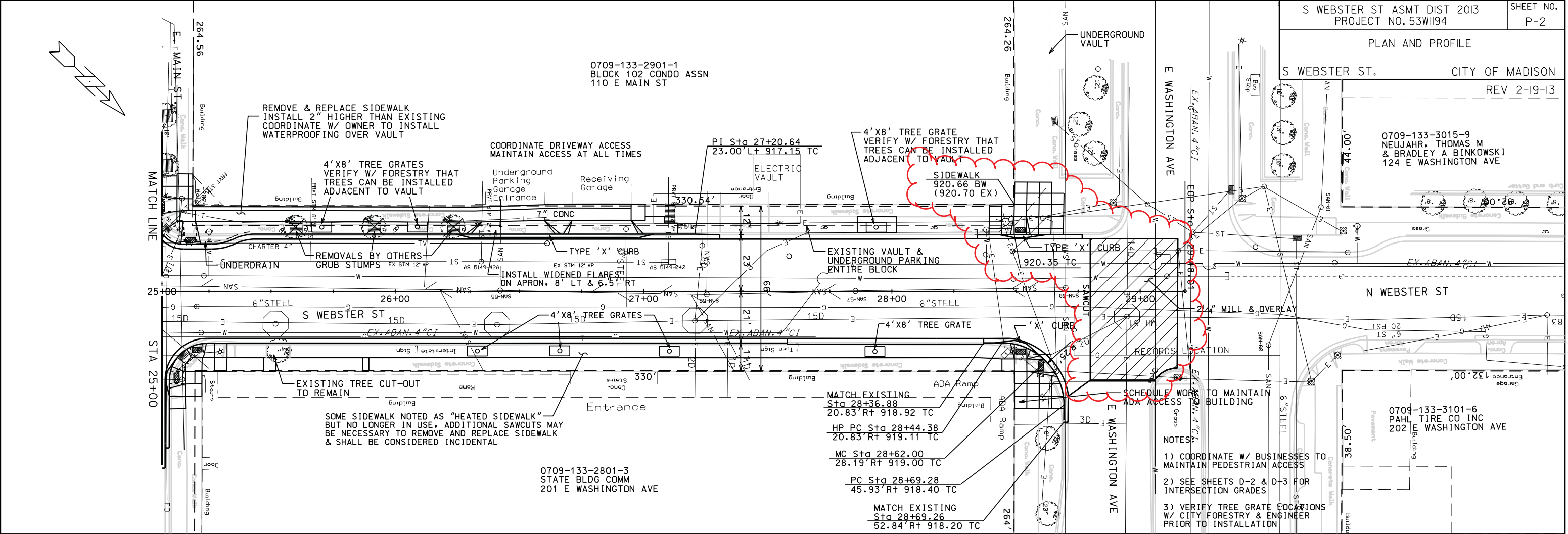


PLOT SCALE:

PLOT NAME:

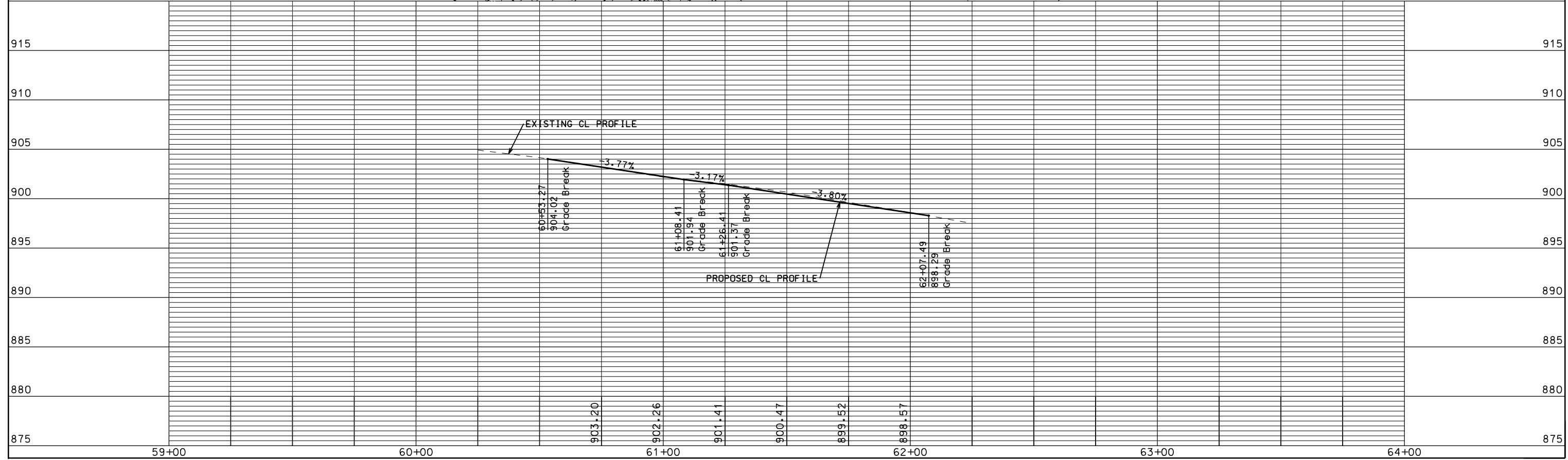
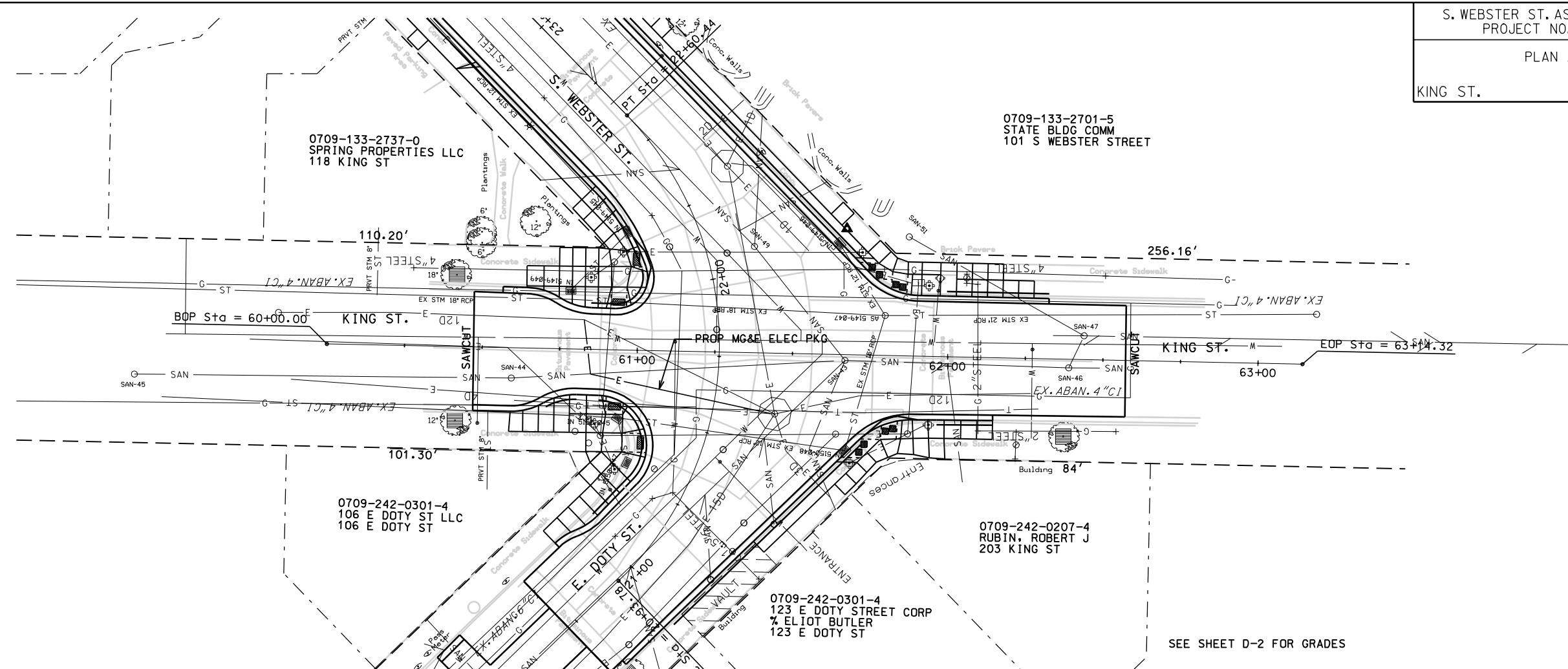
REV. DATE:

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. DATE: PLOT NAME: PLOT SCALE:



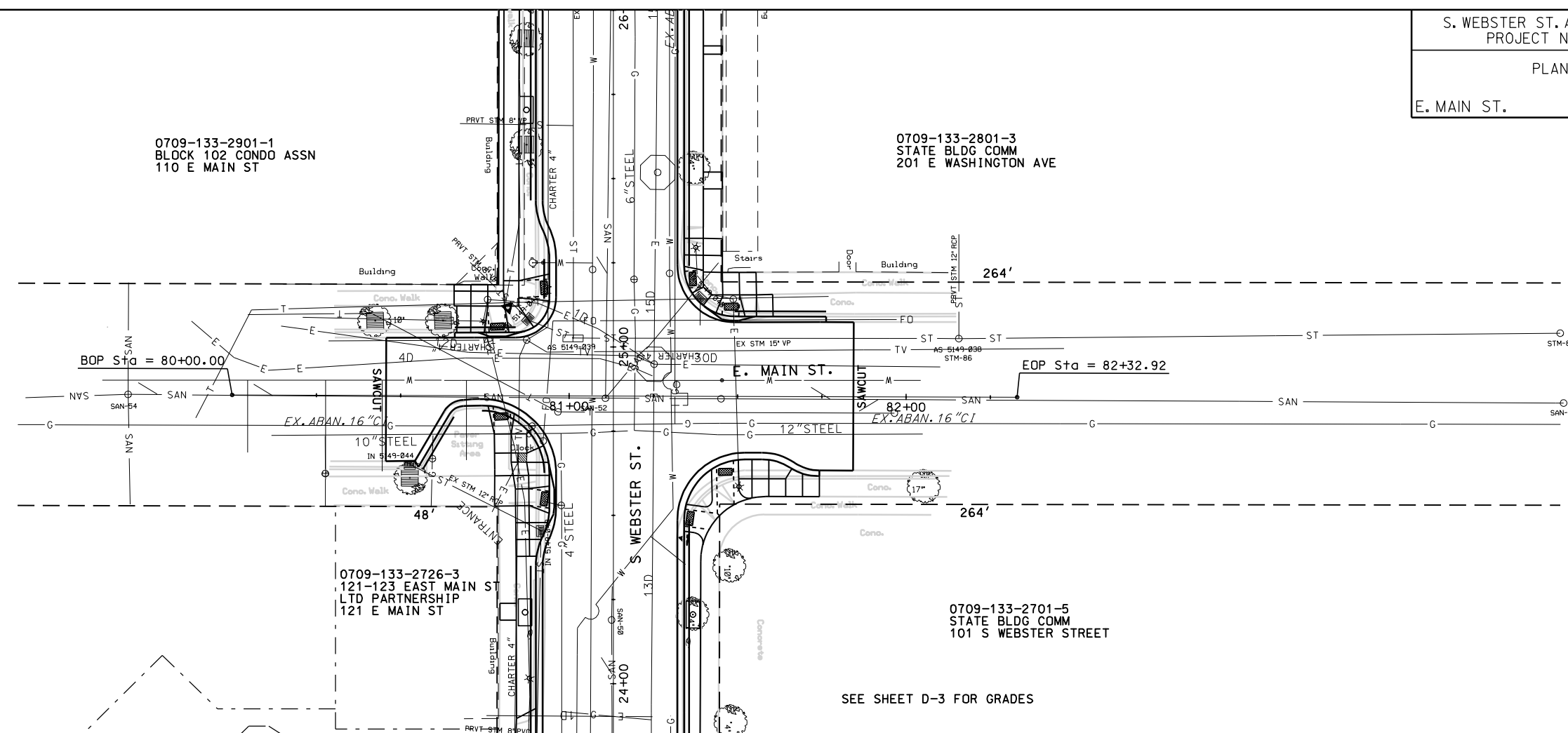
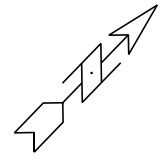
PLOT SCALE: 1"=40'

PLOT NAME: KING ST

REV. DATE: 2/11/2013

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
E. MAIN ST. CITY OF MADISON



0709-133-2726-3
121-123 EAST MAIN ST
LTD PARTNERSHIP
121 E MAIN ST

0709-133-2801-3
STATE BLDG COMM
201 E WASHINGTON AVE

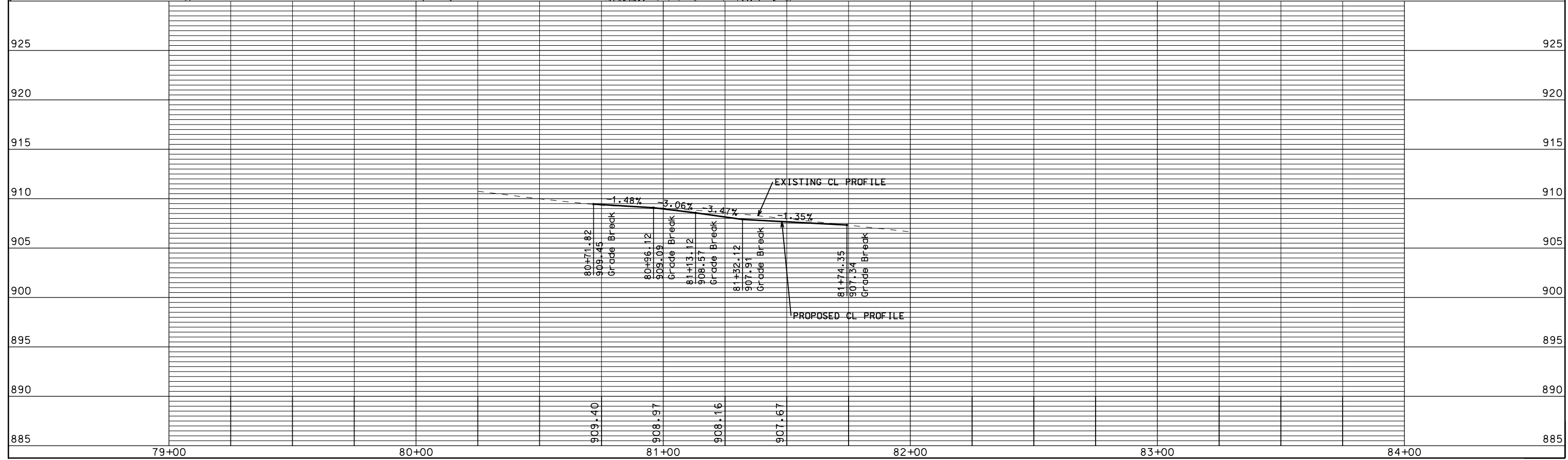
0709-133-2701-5
STATE BLDG COMM
101 S WEBSTER STREET

SEE SHEET D-3 FOR GRADES

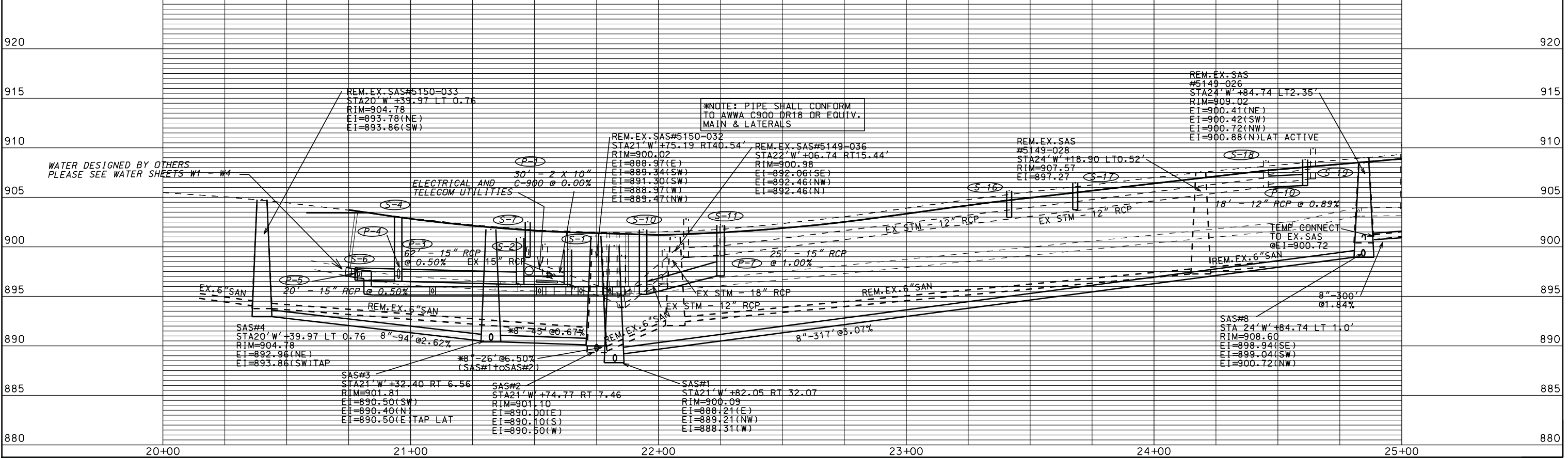
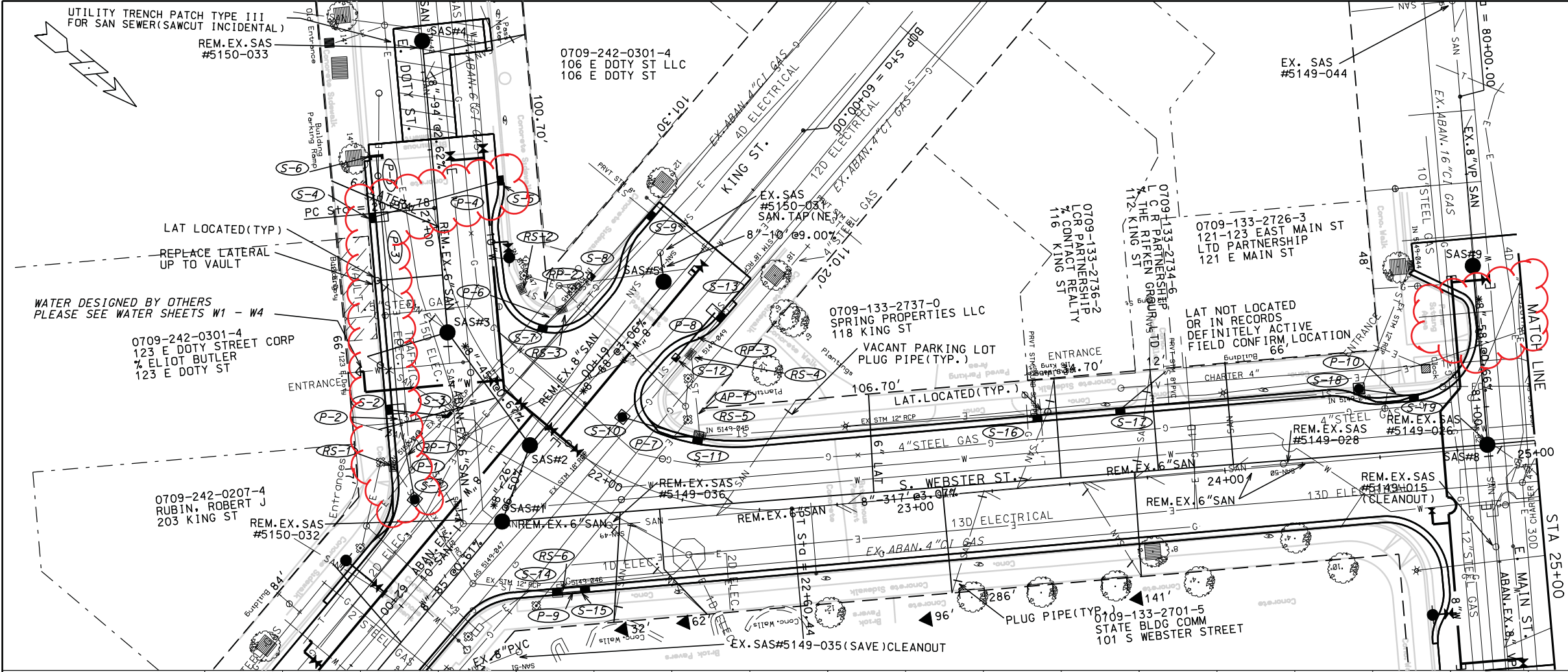
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PLOT NAME:

REV. DATE:

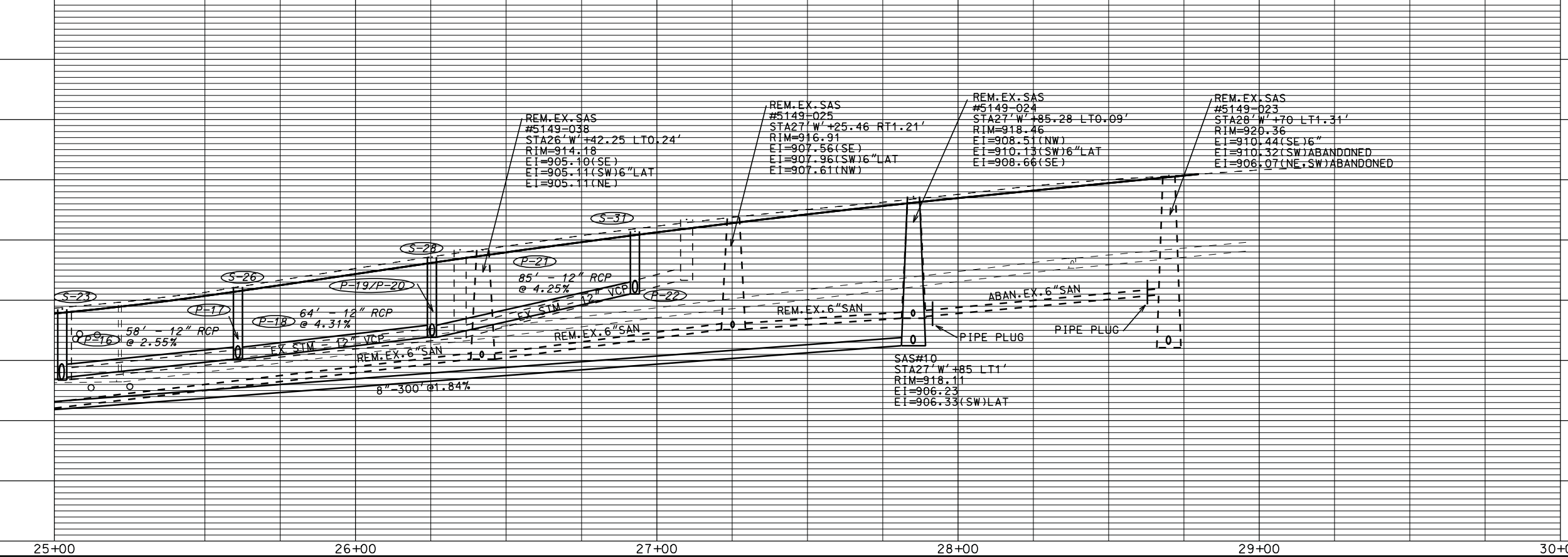
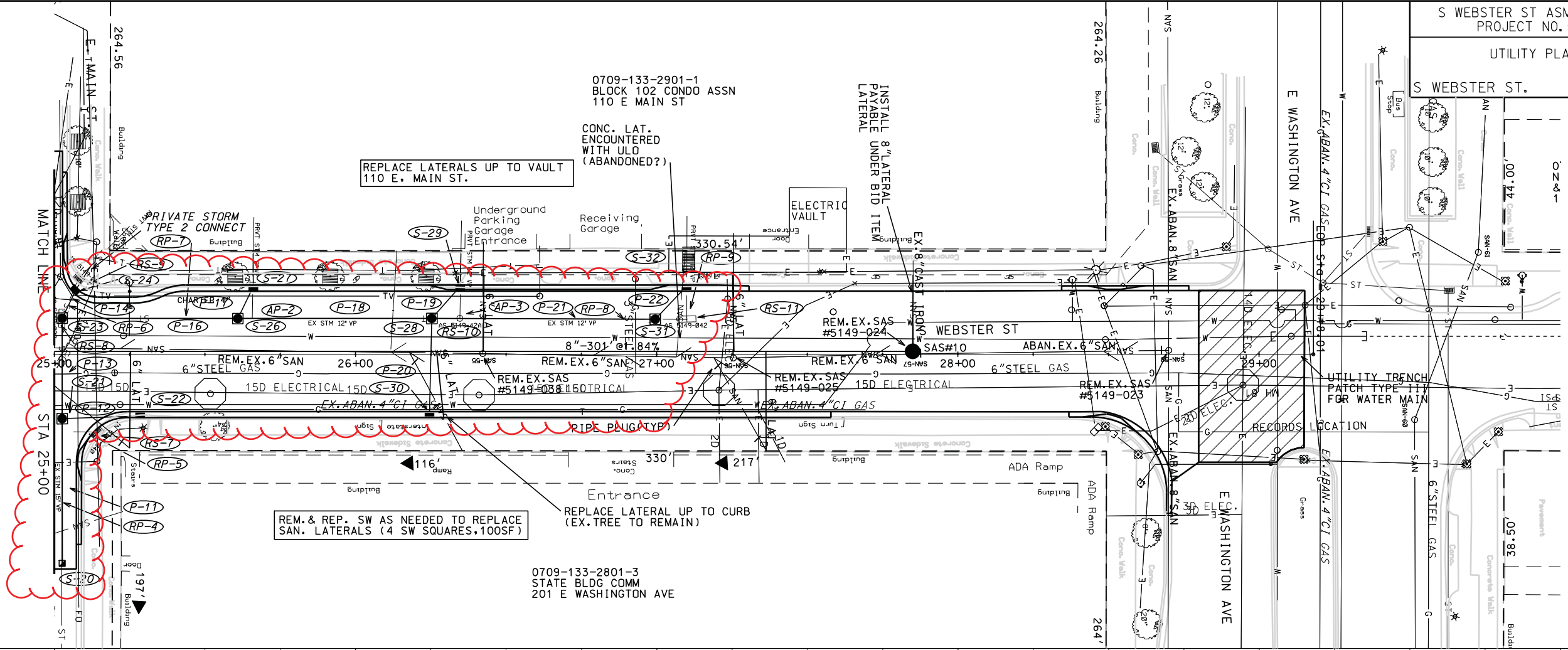


ORIGINATOR: CITY OF MADISON, STREETS DIVISION



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: REV. DATE: PLOT NAME:

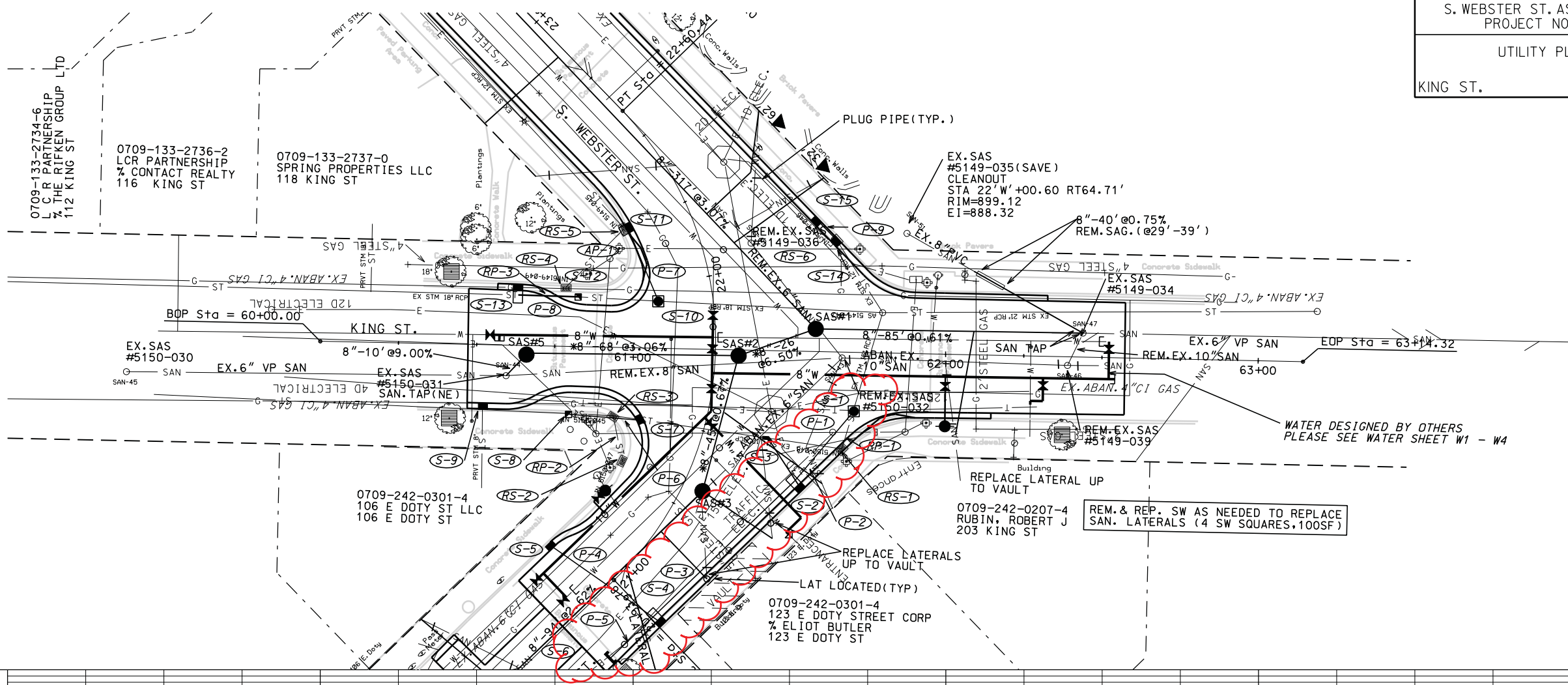


ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. DATE: _____

PLOT SCALE: _____

PLOT NAME: _____



EX. SAS #5150-030
SAN-45

EX. SAS #5150-031
SAN-TAP(NE)

0709-242-0301-4
106 E DOTY ST LLC
106 E DOTY ST

0709-242-0301-4
123 E DOTY STREET CORP
% ELLIOT BUTLER
123 E DOTY ST

0709-242-0207-4
RUBIN, ROBERT J
203 KING ST
REM. & REP. SW AS NEEDED TO REPLACE SAN. LATERALS (4 SW SQUARES, 100SF)

WATER DESIGNED BY OTHERS
PLEASE SEE WATER SHEET W1 - W4

*NOTE: PIPE SHALL CONFORM TO AWWA C900 DR18 OR EQUIV. MAIN AND LATERALS.

REM. EX. SAS #5150-032
STA 21' W +75.19 RT 40.54'
RIM=900.02
E1=888.97(E) 6"
E1=889.34(SW) 8"
E1=891.30(SW) 8"
E1=888.97(W) 8"
E1=889.47(NW)
E1=891.70(S) LAT

REM. EX. SAS #5149-039
STA 62' K +39.06 RT 2.74'
RIM=896.88
E1=887.68(NE) 6"
E1=887.80(W) 8"
E1=887.88(E) 8"

EX. SAS #5149-034(SAVE)
STA 62' K +43.79 LT 7.70
RIM=886.46
E1=887.68(E) 6"
E1=887.69(S) 8"
E1=887.69(W) 8"
E1=887.83(S) 8" LAT

EX. SAS #5150-030
STA 59' K +38.21 RT 10.99'
RIM=907.78
E1=897.43(E) 6"
E1=897.44(W) 6"
E1=897.63(LAT)

EX. SAS #5150-031(SAVE)
STA 60' K +59.62 RT 9.73'
RIM=903.59
E1=894.24(E) 6"
E1=894.71(W) 6"

SAN-TAP SAS #5150-031
@E1=884.24(N) 8"
RECON. BENCH & FLOW LINES

SAS#5
STA 60' K +65.98 RT 2.86'
RIM=903.50
E1=892.58(E)
E1=893.34(S)

SAS#2
STA 21' W +74.77 RT 7.46'
RIM=901.10
E1=890.00(E)
E1=890.10(S)
E1=890.50(W)

SAS#1
STA 21' W +82.05 RT 32.07'
RIM=900.09
E1=888.21(E)
E1=889.21(NW)
E1=888.31(W)

EX. STM - 2" RCP
EX. STM - 18" RCP
EX. STM - 12" RCP
EX. STM - 10" RCP

WATER DESIGNED BY OTHERS
PLEASE SEE SHEETS W1 - W4

ELEVATION	STATION	DESCRIPTION
915	59+00	ADJ. RIM
910	60+00	EX. STM - 12" RCP
905	60+00	EX. STM - 18" RCP
900	60+00	EX. STM - 10" RCP
895	61+00	EX. STM - 12" RCP
890	61+00	EX. STM - 18" RCP
885	62+00	EX. STM - 2" RCP
880	63+00	EX. STM - 2" RCP
875	64+00	EX. STM - 2" RCP

PLOT SCALE: 1"=20'

PLOT NAME: S.WEBSTER ST.

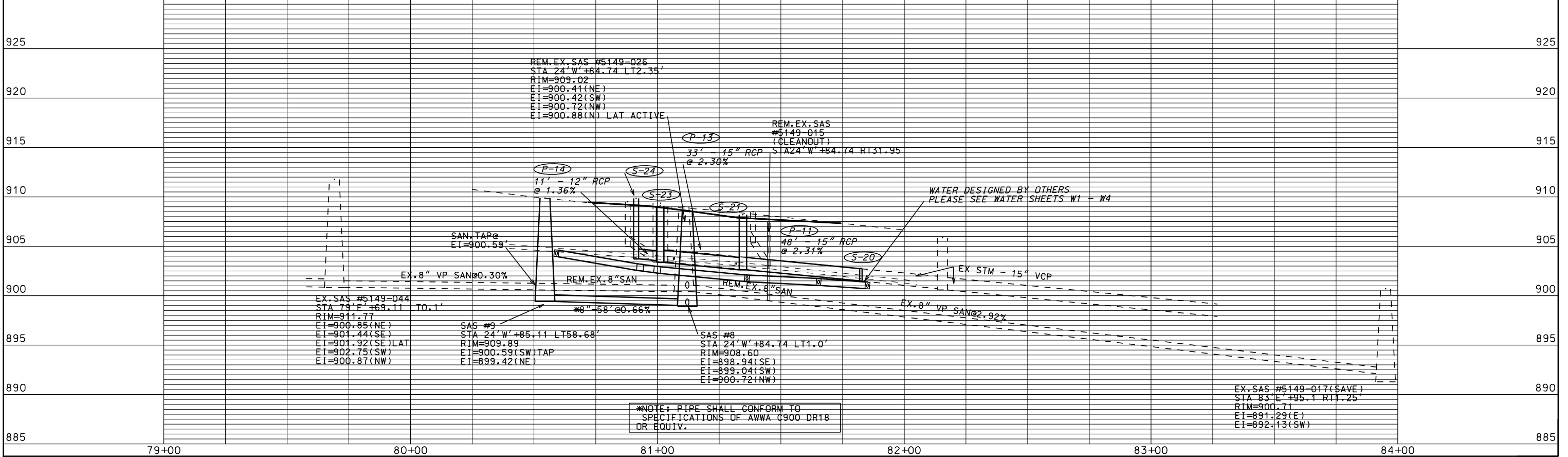
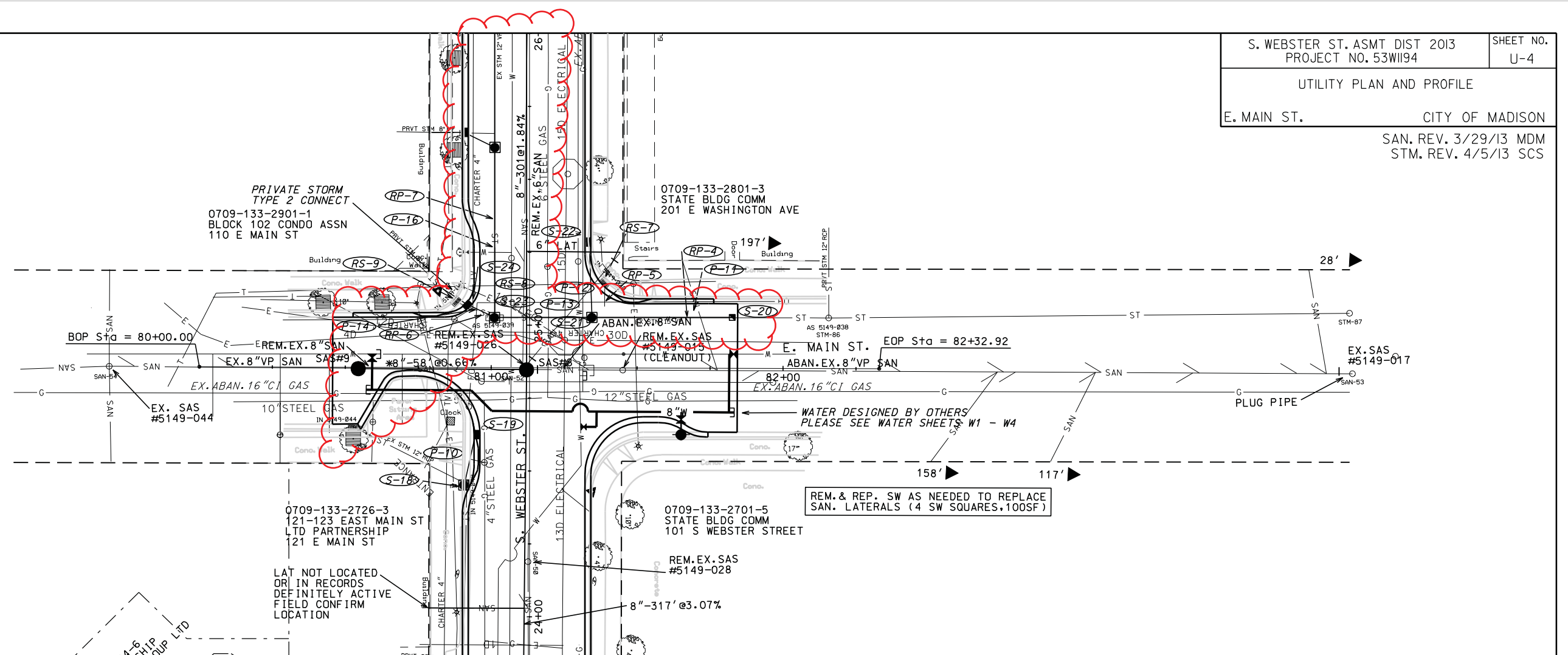
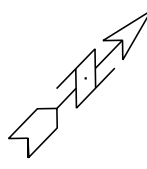
REV. DATE: 4/5/13

UTILITY PLAN AND PROFILE

E. MAIN ST.

CITY OF MADISON

SAN. REV. 3/29/13 MDM
STM. REV. 4/5/13 SCS



*NOTE: PIPE SHALL CONFORM TO SPECIFICATIONS OF AWWA C900 DR18 OR EQUIV.

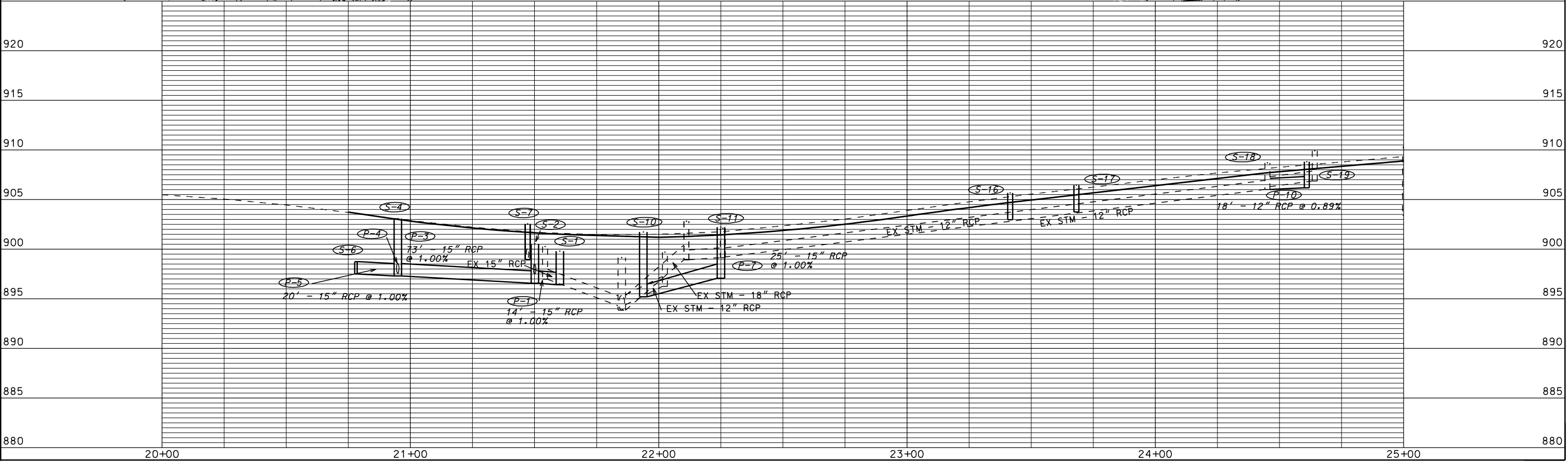
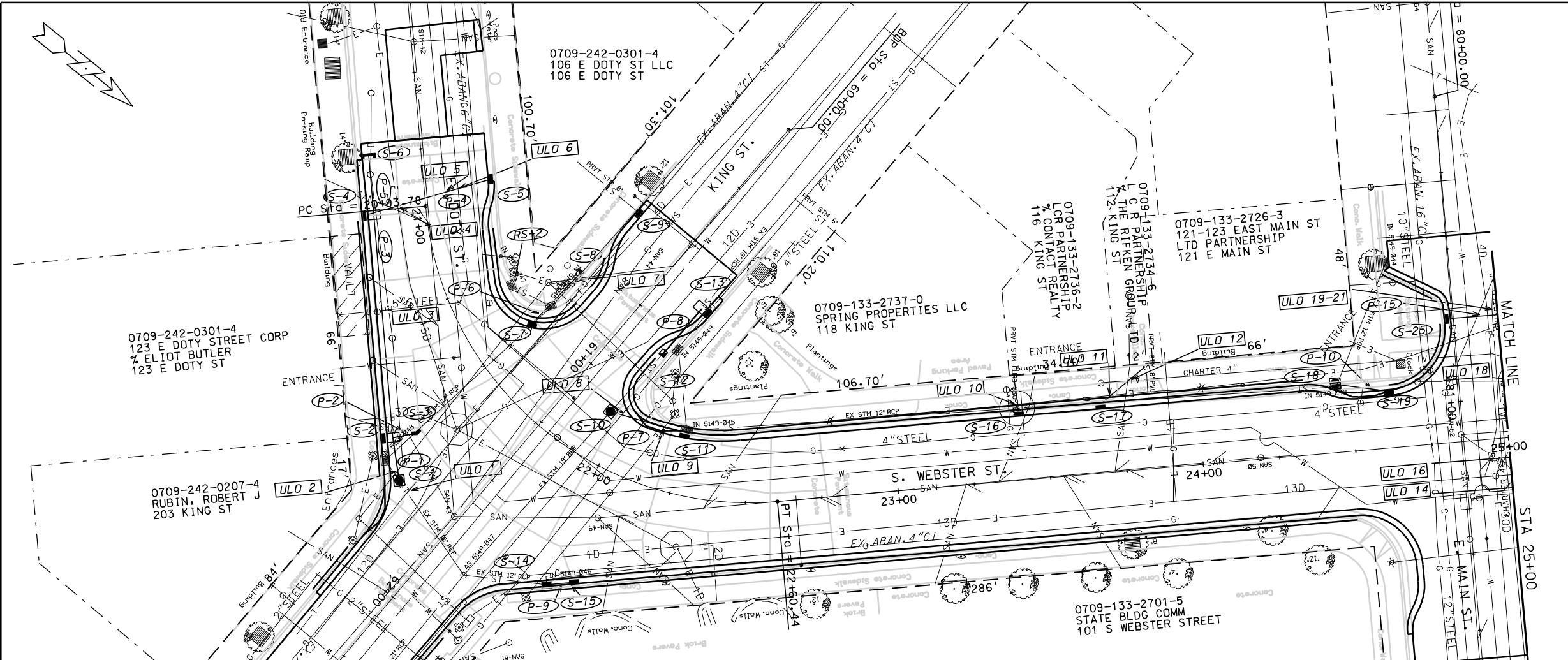
EX. SAS #5149-017 (SAVE)
STA 83'+E+95.1 R11.25'
RIM=900.71
EI=891.29(E)
EI=892.13(SW)

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION

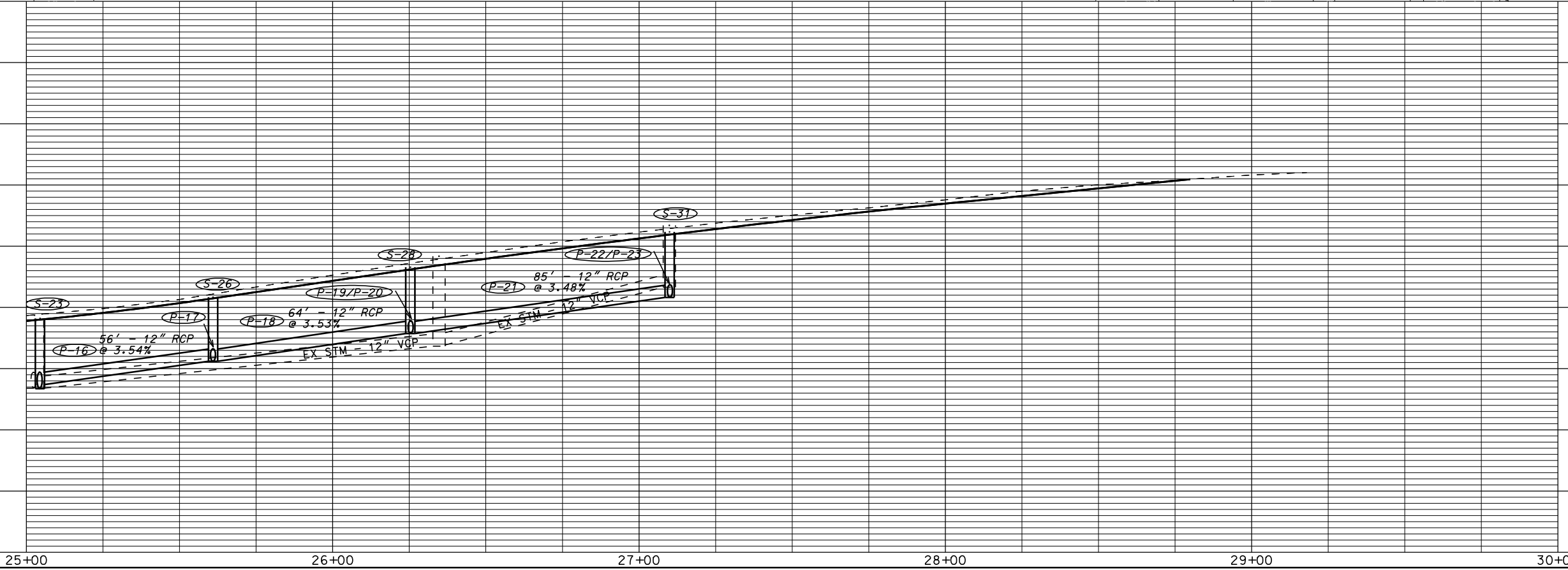
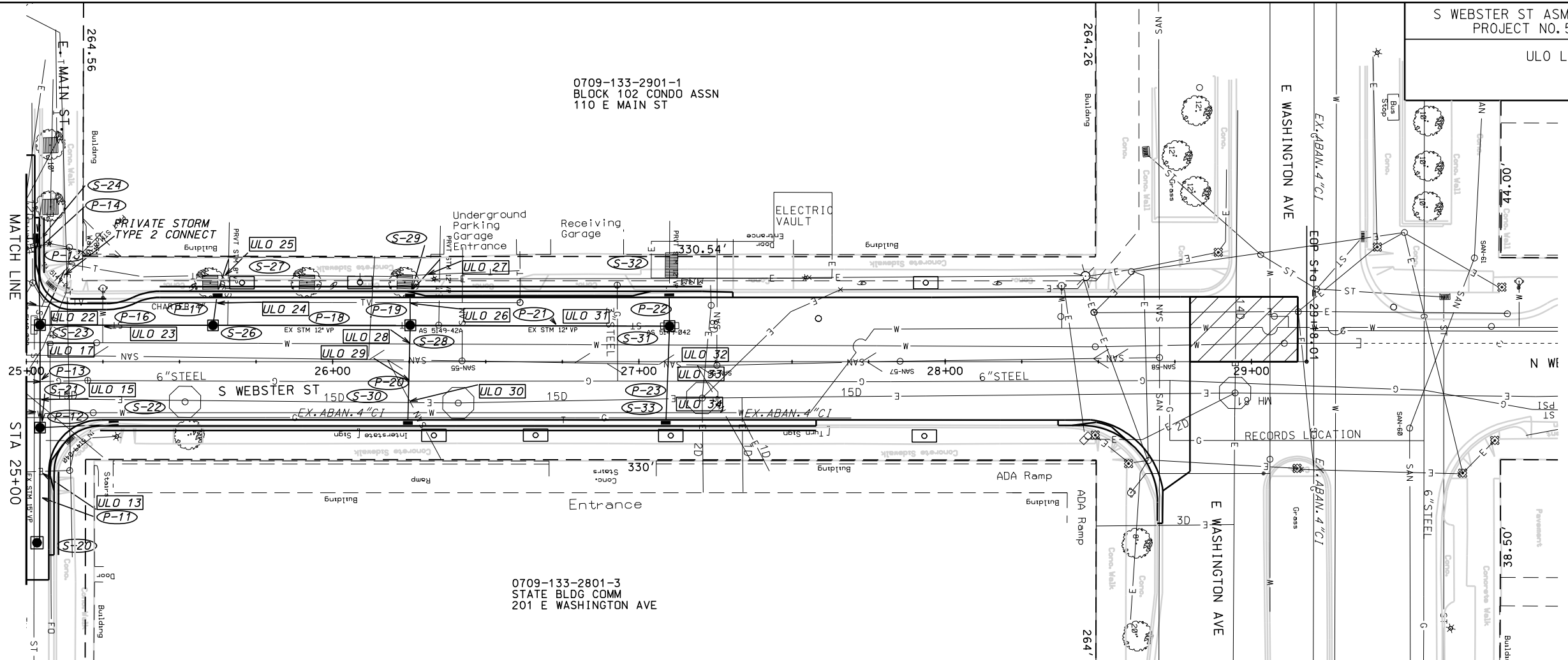


PLOT SCALE:
 PLOT NAME:
 REV. DATE:

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

0709-133-2901-1
BLOCK 102 CONDO ASSN
110 E MAIN ST

0709-133-2801-3
STATE BLDG COMM
201 E WASHINGTON AVE



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

SANITARY SCHEDULE

ALIGNMENT CODES:

'K' = KING ST
'D' = DOTY ST
'W' = WEBSTER ST.
'E' = MAIN ST.

S.WEBSTER ST. ASMT DIST 2013

SHEET NO.

PROJECT NO. 53W1194

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	21'W+82.05	RT-32.07	900.09	888.21	11.88	
SAS #2	21'W+74.77	RT-7.46	901.10	890.00	11.10	
SAS #3	21'W+32.40	RT-6.56	901.81	890.40	11.41	
SAS #4	20'W+39.97	LT-.76	904.78	892.96	11.82	
SAS #5	60'K+65.98	RT-2.86	903.50	892.58	10.92	
SAS#6	24'W+05.39	RT-0	906.56	895.49	11.07	
SAS #7	24'W+84.44	RT-65.19	907.19	898.42	8.77	
SAS #8	24'W+84.74	LT-1.00	908.60	898.94	9.66	
SAS #9	24'W+85.11	LT-58.68	909.89	899.42	10.47	
SAS #10	27'W+85.00	LT-1.00	918.11	906.23	11.88	

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES:
5149-034	SAS#1	887.69	888.21	85	0.61%	8"	SDR-35	
5149-034	STUB	887.83	888.13	40	0.75%	8"	SDR-35	
SAS#1	SAS#2	888.31	890.00	26	6.50%	8"	AWWA C900 DR 18	
SAS#2	SAS#3	890.10	890.40	45	0.67%	8"	AWWA C900 DR 18	
SAS#2	SAS#5	890.50	892.58	68	3.06%	8"	SDR-35	
SAS#5	5150-031	893.34	894.24	10	9.00%	8"	SDR-35	
SAS#3	SAS#4	890.50	892.96	94	2.62%	8"	SDR-35	
SAS#1	SAS#8	889.21	898.94	317	3.07%	8"	SDR-35	
SAS#7	SAS#8	898.52	898.96	68	0.65%	8"	SDR-35	
SAS#8	SAS#9	899.04	899.42	58	0.66%	8"	AWWA C900 DR 18	
SAS#8	SAS#10	900.72	906.23	300	1.84%	8"	SDR-35	

REVISED 3/29/2013 MDM

SANITARY SEWER STRUCTURE REMOVALS

STRUC. ID NO.	STATION	LOCATION (OFFSET)	NOTES
5149-039	62'K+39.06	RT-2.74	
5150-032	21'W+75.19	RT-40.54	
5149-015	24'W+84.74	RT-31.95	CLEANOUT
5150-033	20'W+39.97	LT-.76	
5150-036	22'W+06.74	RT-15.44	
5149-028	24'W+18.90	LT-.52	
5149-026	24'W+84.74	LT-2.35	
5149-038	26'W+42.25	LT-.24	
5149-025	27'W+25.46	RT-1.21	
5149-024	27'W+85.28	LT-.09	
5149-023	28'W+70.00	LT-1.31	

SANITARY SEWER PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	NOTES
5149-034	5149-039	11	Y	8" VP
5150-032	SAS#1	13	Y	8" VP
SAS#1	STA 21'W+99.18 RT 19.66'	24	N	8" VP
STA 21'W+99.18 RT 19.66'	STA 22'W+50 RT 0'	58	Y	8" VP
STA 22'W+50 RT 0'	SAS#6	155	N	8" VP
SAS#6	STA 24'W+30 LT 0.5'	23	Y	8" VP
STA 22'W+50 RT 0'	STA 24'W+30 LT 0.5'	180	N	8" VP
SAS#7	5149-026	68	N	8" VP
5149-026	SAS#9	56	N	8" VP
5149-026	STA 25'W+ 25 LT 0.5'	41	N	6" VP
STA 25'W+ 25 LT 0.5'	5149-038	117	N	6" VP
5149-038	5149-025	83	N	6" VP
5149-025	5149-024	60	N	6" VP
5150-032	5150-031	108	Y	8" VP
SAS#3	5150-033	94	N	8" VP

ADJUST SANITARY STRUCTURES

STRUC. ID NO.	STATION	LOCATION (OFFSET)	EX. ADJ(FT)	NOTES
5149-034	62'K+43.79	LT-7.70	0.75	PRECAST SAS
5151-031	60'K+59.62	RT-9.73	0.75	PRECAST SAS

ABANDON SANITARY SEWER

ABANDON FROM	ABANDON TO	LENGTH (FT)	PIPE SIZE	TYPE	NOTES
5149-039	5150-032	72	10"	VP	PIPE PLUGS
5150-032	SAS#3	62	6"	VP	PIPE PLUGS
5149-024	5149-023	85	Y	6"VP	PIPE PLUGS

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

ORIGINATOR: CITY OF MADISON STREETS DIVISION

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'WS' = WEBSTER STREET (1)
'KS' = KING STREET
'MS' = MAIN STREET

* REV. 4/5/13 SCS

S. WEBSTER ST. ASSMT DIST 2013

PROJECT NO. 53W1194

SHEET NO.

U-8

STORM SEWER SCHEDULE
CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
* S-1	21'WS'+63.48	RT-45.95	3'X3' SAS	899.74	896.20	3.54	FP, W/R-1550-0054
* S-2	21'WS'+44.22	RT-32.59	3'X6' SAS	900.92	896.20	4.72	(9), FP, W/R-3067-7004-V
* S-3	21'WS'+52.84	RT-20.62	FIELD BEND	--	897.69	--	
* S-4	20'WS'+94.96	RT-17.04	3'X6' SAS	903.04	896.51	6.53	(9), FP, W/R-3067-7004-V
* S-5	20'WS'+86.77	LT-22.46	H INLET	903.67	897.20	6.47	W/R-3067-7004-V
S-6	20'WS'+78.08	RT-19.37	PIPE PLUG	--	896.61	--	
S-7	21'WS'+47.21	LT-20.91	H INLET	902.54	898.94	3.60	W/R-3067-7004
S-8	21'WS'+39.15	LT-42.52	CONCRETE COLLAR	--	899.95	--	
S-9	21'WS'+16.13	LT-67.90	H INLET	903.85	900.74	3.11	(4), FP, W/R-3067-7004-V
S-10	21'WS'+94.37	LT-17.39	3'X3' SAS	901.81	896.58	5.23	FP, W/R-1550-0054
S-11	22'WS'+25.04	LT-20.11	3'X4' SAS	902.22	897.08	5.14	(2), (3), FP, W/R-3067-7004
S-12	22'WS'+09.94	LT-42.37	CONCRETE COLLAR	--	897.56	--	
S-13	22'WS'+20.65	LT-59.63	3'X6' SAS	903.57	898.29	5.28	(2), FP, W/R-3067-7004-V
S-14	22'WS'+02.23	RT-42.31	H INLET	899.91	896.18	3.73	W/R-3067-7004-V
S-15	22'WS'+07.89	RT-37.81	H INLET	900.14	896.32	3.82	W/R-3067-7004-V
S-16	23'WS'+41.53	LT-22.50	H INLET	905.71	902.98	2.73	(5), FP, W/R-3067-7004-V
S-17	23'WS'+68.24	LT-22.50	H INLET	906.50	903.76	2.74	(5), FP, W/R-3067-7004-V
S-18	24'WS'+45.18	LT-22.50	ADJUST	908.52	--	--	(6), W/R-1878-B7L, STORM TAP
* S-19	24'WS'+62.55	LT-18.50	H INLET	909.12	906.19	2.93	FP, W/R-3067-7004-V
* S-20	25'WS'+02.71	RT-69.48	CONCRETE COLLAR	--	901.51	--	
* S-21	25'WS'+02.62	RT-21.39	3'X3' SAS	907.59	902.62	4.97	W/R-1550-0054
S-22	25'WS'+28.53	RT-20.50	H INLET	909.29	903.35	5.94	W/R-3067-7004-V
* S-23	25'WS'+02.61	LT-11.96	3'X3' SAS	909.26	903.38	5.88	(5), (8), W/R-1550-0054
* S-24	25'WS'+04.31	LT-21.71	H INLET	909.85	903.74	6.11	W/R-3067-7004-V
* S-25	25'WS'+83.02	LT-40.43	H INLET	909.83	904.41	5.42	W/R-3067-7004-V
* S-26	25'WS'+60.93	LT-11.84	3'X3' SAS	911.11	905.11	6.00	W/R-1550-0054
* S-27	25'WS'+66.08	LT-22.50	H INLET	912.00	905.23	6.77	(5), W/R-3067-7004-V
* S-28	26'WS'+25.36	LT-11.88	3'X3' SAS	913.59	906.92	6.67	W/R-1550-0054
* S-29	26'WS'+34.79	LT-22.50	H INLET	913.25	907.98	5.27	(2), (5), W/R-3067-7000
* S-30	26'WS'+24.56	RT-20.50	H INLET	912.69	907.08	5.61	W/R-3067-7004-V
* S-31	26'WS'+92.75	LT-11.57	3'X3' SAS	915.72	910.53	5.19	W/R-1550-0054
* S-32	27'WS'+09.86	LT-22.50	H INLET	916.87	910.98	5.89	(4), W/R-3067-7004-V
* S-33	27'WS'+08.78	RT-20.50	H INLET	915.51	911.15	4.36	W/R-3067-7004-V

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
* P-1	S-1	S-2	29.61	896.20	896.20	0.00%	2 X 10"	C-900	(7), TWIN PIPES
* P-2	S-2	S-3	15.91	897.24	897.69	2.81%	12"	RCP	NCM
* P-3	S-2	S-4	62.14	896.20	896.51	0.50%	15"	RCP	(7)
* P-4	S-4	S-5	43.77	896.76	897.20	1.00%	12"	RCP	
* P-5	S-4	S-6	20.19	896.51	896.61	0.50%	15"	RCP	(7)
P-6	S-7	S-8	22.32	899.31	899.95	2.91%	12"	RCP	NCM
P-7	S-10	S-11	25.19	896.83	897.08	1.00%	15"	RCP	NCM
P-8	S-12	S-13	19.12	897.56	898.29	3.84%	18"	RCP	
P-9	S-14	S-15	9.00	896.18	896.32	1.56%	12"	RCP	
P-10	S-18	S-19	17.64	906.03	906.19	0.89%	12"	RCP	
* P-11	S-20	S-21	47.99	901.51	902.62	2.31%	15"	RCP	
* P-12	S-21	S-22	25.72	902.87	903.35	1.85%	12"	RCP	
* P-13	S-21	S-23	33.31	902.62	903.38	2.30%	15"	RCP	
* P-14	S-23	S-24	10.86	903.63	903.78	1.36%	12"	RCP	
* P-15	S-24	S-25	20.76	904.20	904.41	1.00%	12"	RCP	
* P-16	S-23	S-26	58.32	903.63	905.11	2.55%	12"	RCP	
* P-17	S-26	S-27	10.81	905.11	905.22	1.00%	12"	RCP	
* P-18	S-26	S-28	64.43	905.11	907.87	4.31%	12"	RCP	
* P-19	S-28	S-29	14.25	906.92	907.98	7.57%	12"	RCP	
* P-20	S-28	S-30	32.39	906.92	907.08	0.50%	12"	RCP	
* P-21	S-28	S-31	84.61	906.92	910.53	4.25%	12"	RCP	
* P-22	S-31	S-32	15.05	910.53	910.98	3.00%	12"	RCP	
* P-23	S-31	S-33	32.12	910.83	911.15	1.00%	12"	RCP	

SPECIFIC NOTES

- REFERENCES WEBSTER STREET ALIGNMENT, SOME STRUCTURES DESIGNATED 'WS' ARE ON DOTY STREET.
- STATIONING AND OFFSET ARE TO TOP OF CASTING AND FLOWLINE OF INLET CASTING
- THE STRUCTURE SIZE IS INTENDED TO ALLOW CONNECTION TO THE 12-INCH EXISTING STORM SEWER PIPE. STRUCTURE SIZE MAY BE MODIFIED TO ACCOMMODATE FIELD CONDITIONS.
- TYPE I PRIVATE STORM RECONNECT
- TYPE II PRIVATE STORM RECONNECT
- REMOVE EXISTING R-3067 CASTING, ADJUST STRUCTURE, PLACE R-1878-B7L CASTING
- PLACE PIPE TO THE FAR NW SIDE OF STRUCTURE TO ALLOW MAXIMUM SPACE BETWEEN VAULT AND PIPE
- STRUCTURE CONTAINS AN UNIDENTIFIED PIPE. PIPE SHALL BE RECONNECTED OR REPLACED
- STATIONING IS TO CENTER OF INCOMING PIPE, ELEVATION IS TOP OF CURB

STANDARD NOTES:

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

STORM SEWER REMOVAL SCHEDULE

ALIGNMENT CODES:

'WS' = WEBSTER STREET
'KS' = KING STREET
'MS' = MAIN STREET

S. WEBSTER ST ASSMT DIST. 2013
PROJECT NO. 53W1194

SHEET NO.
U-9

STORM SEWER REMOVAL SCHEDULE / ULOS
CITY OF MADISON

STORM SEWER STRUCTURE REMOVALS

STRUCTURE REMOVAL NO.	STRUC. ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RS-1	IN 5150-048	21'WS'+54.52	RT-44	H INLET	
RS-2	IN 5150-047	21'WS'+29.20	LT-21	H INLET	
RS-3	IN 5150-045	21'WS'+45.16	LT-28	H INLET	
RS-4	IN 5149-049	22'WS'+02.94	LT-42	H INLET	
RS-5	IN 5149-045	22'WS'+25.04	LT-20	H INLET	
RS-6	IN 5149-046	22'WS'+02.23	RT-42	H INLET	
RS-7	IN 5149-040	25'WS'+14.04	RT-26	H INLET	
RS-8	AS 5149-039	25'WS'+04.44	LT-12	6X6 SAS	POURED IN PLACE, 6' DEEP
RS-9	IN 5149-041	25'WS'+07.48	LT-25	H INLET	
RS-10	AS 5149-042A	26'WS'+34.63	LT-12	4' SAS	PRECAST 7.5' DEEP
RS-11	AS 5149-042A	27'WS'+09.97	LT-12	4'X5' SAS	POURED IN PLACE, 5' DEEP

PIPE REMOVALS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	PIPE SIZE	TYPE	NOTES
RP-1	RS-1	S-3	13	Y	12"	RCP	
RP-2	RS-3	RS-2	15	Y	12"	RCP	
RP-3	S-12	S-13	20	N	18"	RCP	
RP-4	S-19	RS-8	71	Y	15"	VCP	
RP-5	RS-7	RP-4	12	Y	12"	VCP	
RP-6	RS-8	RS-9	14	Y	12"	VCP	
RP-7	RS-8	RS-10	132	N	12"	VCP	
RP-8	RS-10	RS-11	76	N	12"	VCP	
RP-9	RS-11	S-31	11	N	12"	VCP	PRIVATE CONNECTION

UTILITY LINE OPENINGS (ULOs)

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE
ULO 1	21'WS'+63.33	RT-44.81	TELECOM
ULO 2	21'WS'+58.24	RT-43.46	ELEC
ULO 3	21'WS'+21.32	RT-21.13	GAS
ULO 4	20'WS'+92.77	RT-9.09	ELEC
ULO 5	20'WS'+89.95	LT-6.71	WATER
ULO 6	20'WS'+88.99	LT-10.77	GAS
ULO 7	21'WS'+42.90	LT-33.81	ELEC
ULO 8	22'WS'+07.89	LT-19.31	GAS
ULO 9	22'WS'+16.11	LT-19.88	ELEC
ULO 10	23'WS'+41.46	LT-24.83	ELEC
ULO 11	23'WS'+71.77	LT-25.10	ELEC
ULO 12	24'WS'+56.96	LT-19.64	TELEVISION
ULO 13	25'WS'+04.46	RT-36.04	ELEC
ULO 14	25'WS'+04.70	RT-16.94	WATER
ULO 15	25'WS'+04.58	RT-12.53	ELEC
ULO 16	25'WS'+04.11	RT-6.80	GAS
ULO 17	25'WS'+04.11	LT-3.35	ELEC
ULO 18	25'WS'+01.01	LT-22.45	TELEVISION
ULO 19	24'WS'+93.27	LT-40.36	TELEVISION
ULO 20	24'WS'+97.21	LT-40.12	ELEC X 2 (4D, 12D)
ULO 21	25'WS'+01.63	LT-40.36	TELEVISION
ULO 22	25'WS'+14.03	LT-11.23	TELECOM
ULO 23	25'WS'+24.53	LT-11.66	WATER
ULO 24	25'WS'+65.82	LT-19.17	TELEVISION
ULO 25	25'WS'+64.03	LT-28.37	TELECOM
ULO 26	26'WS'+35.03	LT-19.12	TELEVISION
ULO 27	26'WS'+34.91	LT-28.55	TELECOM
ULO 28	26'WS'+25.18	LT-5.61	WATER
ULO 29	26'WS'+25.00	RT-6.35	GAS
ULO 30	26'WS'+24.88	RT-13.34	ELEC
ULO 31	26'WS'+92.75	LT-11.57	GAS
ULO 32	27'WS'+09.72	LT-5.53	WATER
ULO 33	27'WS'+09.24	RT-6.36	GAS
ULO 34	27'WS'+08.97	RT-12.13	ELEC

PIPE ABANDONMENTS

PIPE ABANDONMENT NO.	ABANDON FROM	ABANDON TO	LENGTH (FT)	PAID (Y/N)	PIPE SIZE	TYPE	NOTES
AP-1	RS-5	RS-4	26	Y	12"	RCP	PIPE PLUGS
AP-2	RP-7	S-27	21	Y	8"	VCP	SLURRY, PRIVATE CONNECTION
AP-3	RS-10	S-29	21	Y	12"	VCP	SLURRY, PRIVATE CONNECTION

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 LISA COLEMAN OF CITY ENGINEERING AT (608) 266-4093 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608) 264-9275

PLOT SCALE: 1"=100'
PLOT NAME: 53W1194-ULOS
REV. DATE: 02/12/2013

ORIGINATOR: CITY OF MADISON STREETS DIVISION

ALIGNMENT CODES:

ALL STATIONING REFERENCED TO WEBSTER STREET ALIGNMENT

S. WEBSTER ST ASSMT DIST. 2013

SHEET NO.

PROJECT NO. 53W1194

U-10

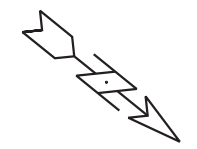
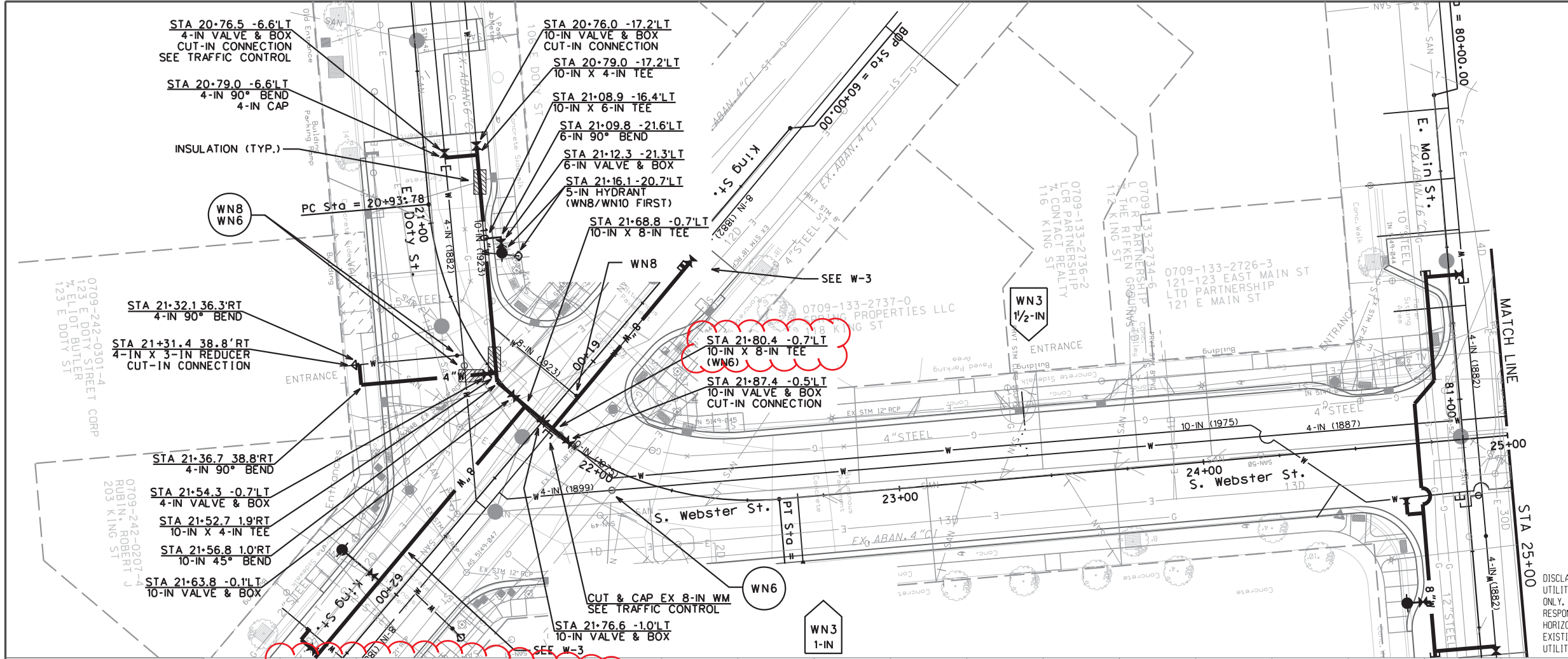
STORM SEWER REMOVAL SCHEDULE / ULOS
CITY OF MADISON

ACTUAL UTILITY LINE OPENINGS (ULOs)

STRUC. NO.	STATION	LOCATION (OFFSET)	ELEV.	TYPE	NOTES
ULO1A	21+65.7	RT-45.30	896.51	TELE	TOP OF CONC DUCT PIPE WILL NOT CROSS
ULO1B	21+65.7	RT-45.20	895.11	TELE	BOTTOM OF CONC DUCT PIPE WILL NOT CROSS
ULO 1AA	21+53.3	RT-37.60	896.94	TV	4" PIPE WILL BE LIFTED BY CHARTER
ULO1AB	21+53.0	RT-37.70	896.97	TV	4" PIPE WILL BE LIFTED BY CHARTER
ULO1AC	21+53.5	RT-36.90	897.15	TELE	3" PIPE TO BE LIFTED BY ATT
ULO2A	21+47.2	RT-33.20	898.83	ELEC	TOP OF CONC DUCT
ULO2B	21+47.2	RT-33.20	897.53	ELEC	BOTTOM OF CONC DUCT TOP OF STORM: 897.12
ULO3A	21+21.7	RT-20.10	899.26	GAS	2" TOP OF STORM: 897.81
ULO4A	20+90.4	RT-11.00	901.04	ELEC	TOP OF CONC DUCT
ULO4B	20+90.4	RT-11.00	898.53	ELEC	BOTTOM OF CONC DUCT TOP OF STORM: 897.99
ULO5A	20+88.0	LT-6.40	898.36	WATER	6" BOTTOM OF STORM: 896.8
ULO6A	20+88.2	LT-10.50	900.34	GAS	6" TOP OF STORM: 898.5
ULO8A	22+07.7	LT-19.70	898.35	GAS	4" CONFLICT: GAS TO CUT WINDOW, BOTTOM OF STORM: 897.30
ULO8AA	21+99.2	LT-19.90	898.53	GAS	6" ABANDONED GAS
ULO12A	23+80.5	LT-28.20	903.96	TELE	3" X 4
ULO12B	23+80.4	LT-28.50	903.21	TELE	BOTTOM OF TELE PRIVATE RECONNECT
ULO13A	25+05.2	RT-43.70	904.4	FO	4" TOP OF STORM: 903.56
ULO13B	25+04.9	RT-43.70	904.22	FO	4" ""
ULO13C	25+05.3	RT-43.90	904.14	FO	4" ""
ULO14A	25+04.6	RT-16.90	901.83	WATER	10" BOTTOM OF STORM: 902.93
ULO15A	25+04.3	RT-13.60	906.53	ELEC	TOP OF CONC DUCT
ULO15B	25+04.3	RT-13.60	904.93	ELEC	BOTTOM OF CONC DUCT TOP OF STORM: 904.26
ULO16A	25+04.6	RT-6.10	905.8	GAS	8" TOP OF STORM: 904.42
ULO18-20A - K	25+00 (varies)	LT-40.00	varies	varies	ELIMINATED PIPE DUE TO CONFLICT
ULO21A	24+95.0	LT-40.90	905.68	ELEC	TOP OF CONC DUCT
ULO21B	24+95.0	LT-40.90	904.65	ELEC	BOTTOM OF CONC DUCT ELIMINATED PIPE DUE TO CONFLICT
ULO24A	25+63.1	LT-18.70	908.97	TELE	TOP OF CONC DUCT
ULO24B	25+63.1	LT-18.70	906.76	TELE	BOTTOM OF CONC DUCT TOP OF STORM: 906.34
ULO25A	25+63.8	LT-25.90	908.37	FO	4" PRIVATE RECONNECT
ULO26A	26+23.6	LT-18.50	911.45	TV	TOP OF CONC DUCT
ULO26B	26+23.7	LT-18.50	910.46	TV	BOTTOM OF CONC DUCT TOP OF STORM: 908.69
ULO27A	26+26.7	LT-26.70	911.56	FO	4" PRIVATE RECONNECT
ULO28A	26+23.3	LT-7.10	906.17	WATER	8" BOTTOM OF STORM: 906.77
ULO28B	26+24.5	LT-6.00	909.25	?	2" TOP OF STORM: 908.12
ULO29A	26+24.2	RT-6.20	909.36	GAS	8" TOP OF STORM: 908.18
ULO30A	26+24.1	RT-13.70	910.7	ELEC	TOP OF CONC DUCT
ULO30B	26+24.1	RT-14.00	908.57	ELEC	BOTTOM OF CONC DUCT TOP OF STORM: 908.21
ULO31A	26+93.7	LT-12.50	912.61	GAS	4" TOP OF STORM: 911.43
ULO32A	27+09.5	LT-8.30	908.88	SAN LAT	8" ELIMINATED PIPE DUE TO CONFLICT
ULO32B	27+08.3	LT-5.90	908.77	SAN LAT	8" ELIMINATED PIPE DUE TO CONFLICT
ULO32C	27+08.9	LT-5.20	910.99	WATER	8" ELIMINATED PIPE DUE TO CONFLICT
ULO33A	27+08.2	RT-5.90	910.64	GAS	8" ELIMINATED PIPE DUE TO CONFLICT
ULO34A	27+09.5	RT-13.13	913.97	ELEC	TOP OF CONC DUCT ELIMINATED PIPE DUE TO CONFLICT
ULO34B	27+09.5	RT-13.20	911.37	ELEC	BOTTOM OF CONC DUCT
ULO36A	25.12.5	LT-13.70	903.01	TELE	4" X 4 BOTTOM OF STORM: 903.72
ULO37A	25+16.8	LT-12.60	906.88	FO	2" TOP OF STORM: 905.17
ULO37B	25+16.5	LT-12.60	906.8	FO	2" TOP OF STORM: 905.17
ULO100A	25+03.3	LT-18.40	907.22	FO	TOP OF CONC DUCT
ULO100B	25+03.3	LT-18.40	906.22	FO	BOTTOM OF CONC DUCT TOP OF STORM: 904.89
ULO101A	25+06.5	LT-13.60	906.97	TV	4" TOP OF STORM: 904.90
ULO101B	25+06.2	LT-13.60	907.58	TV	4" TOP OF STORM: 904.90
ULO102A	25+03.5	LT-26.60	907.12	FO	4"
ULO103A	25+25.4	LT-13.60	903.17	WATER	6" BOTTOM OF STORM: 904.05
ULO103B	25+25.4	LT-12.30	905.08	STM??	15" CONTRACTOR TO DETERMINE IF THIS IS SEPARATE, OR PRIVATE STORM

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

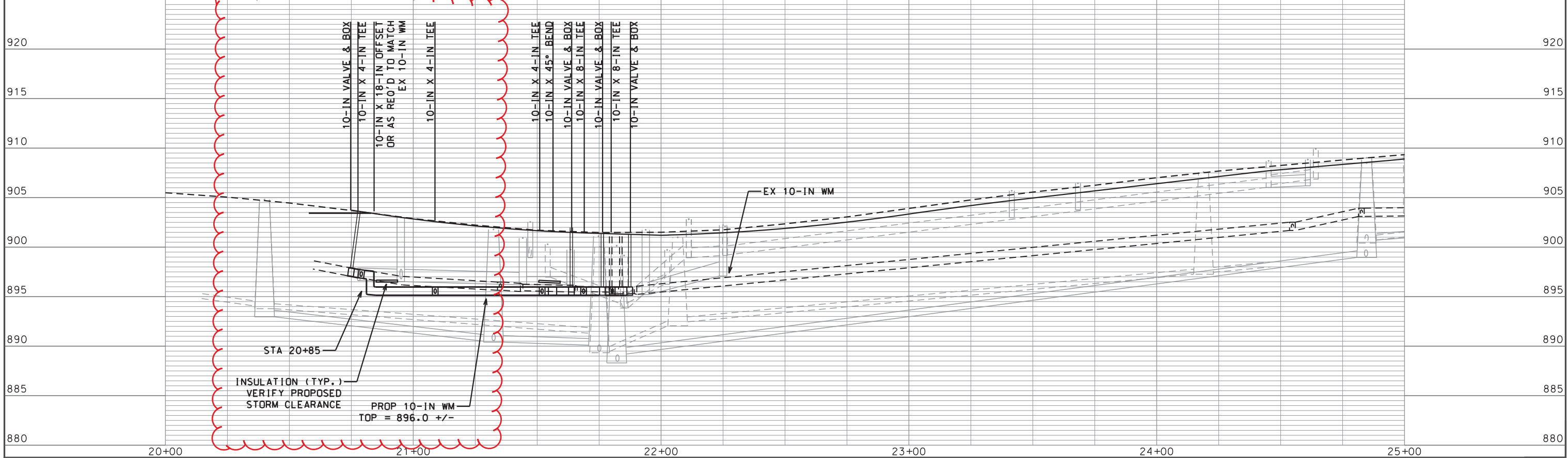
ORIGINATOR: CITY OF MADISON STREETS DIVISION



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

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

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.

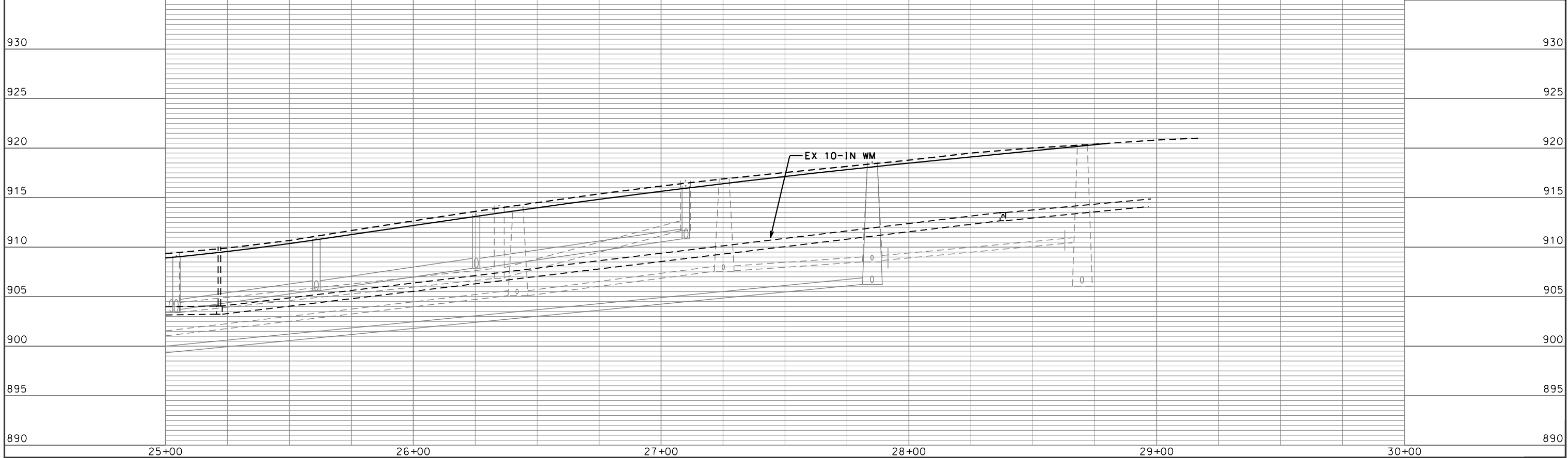
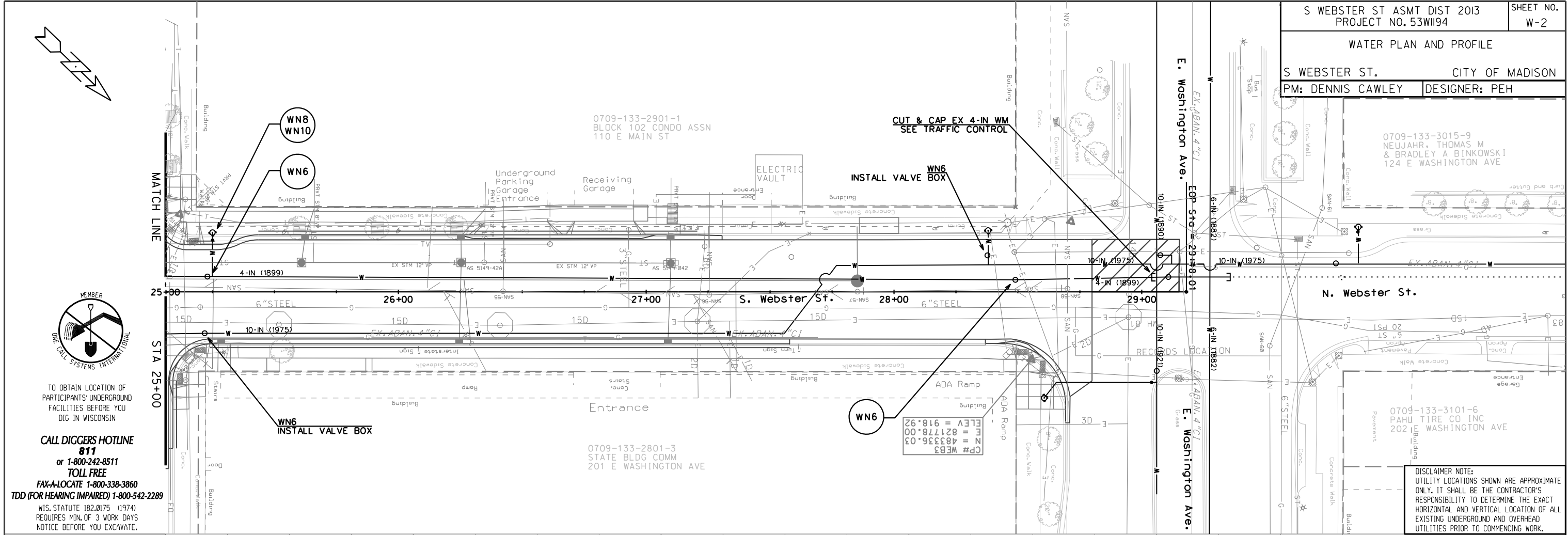


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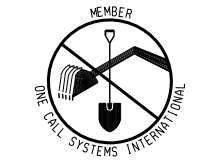
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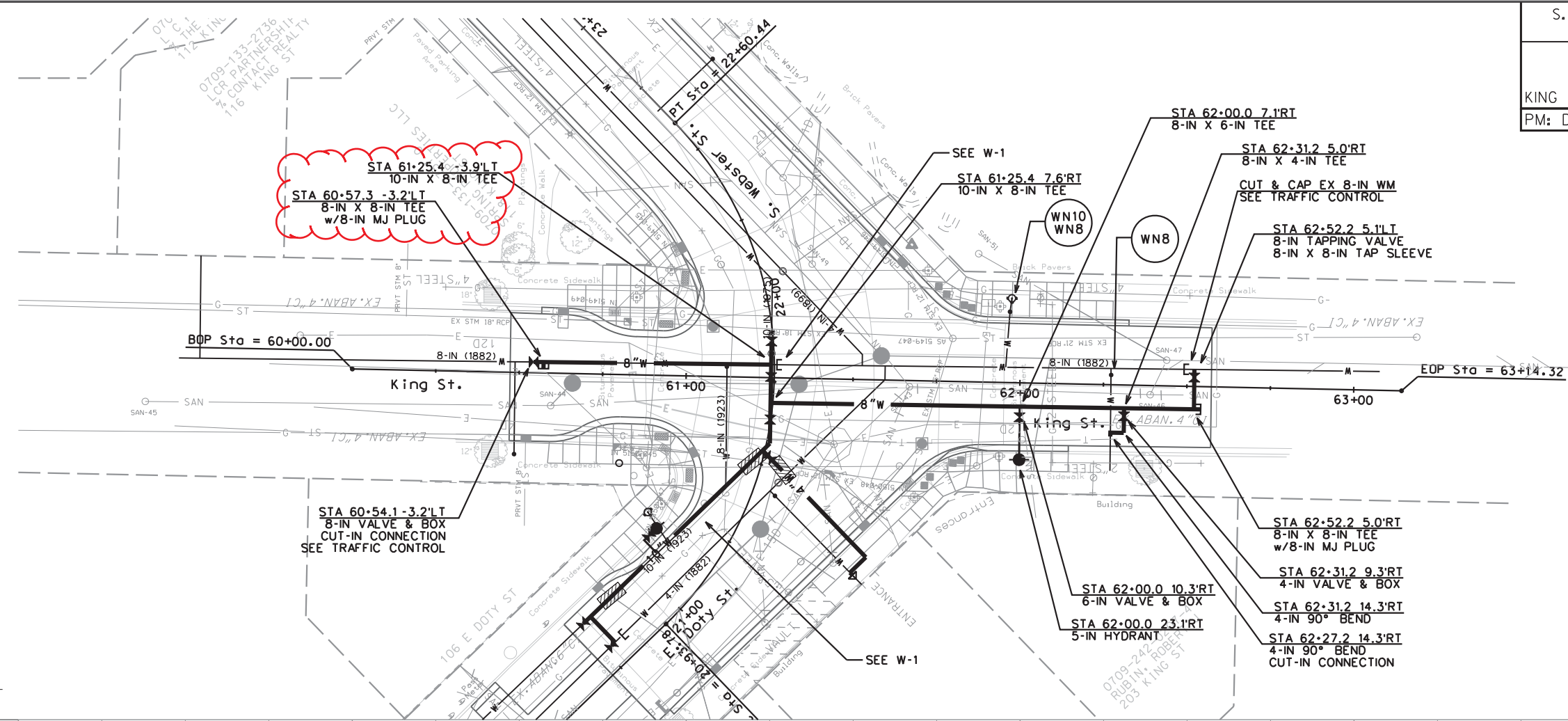
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WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

PLOT SCALE:
PLOT NAME:
REV. DATE:

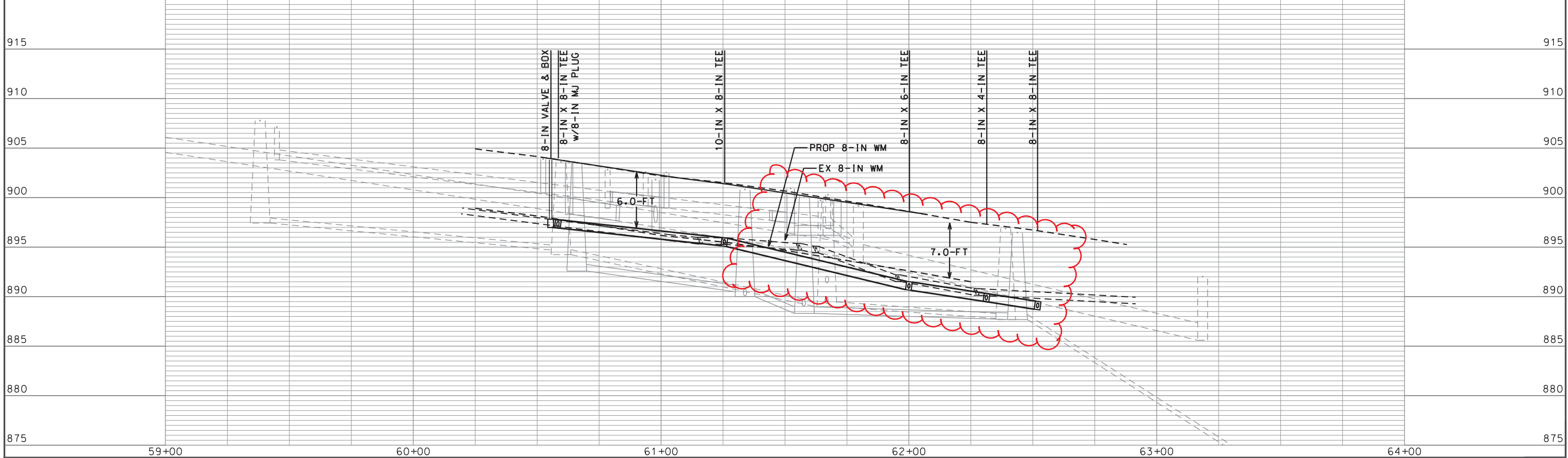
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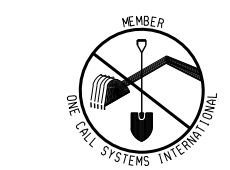
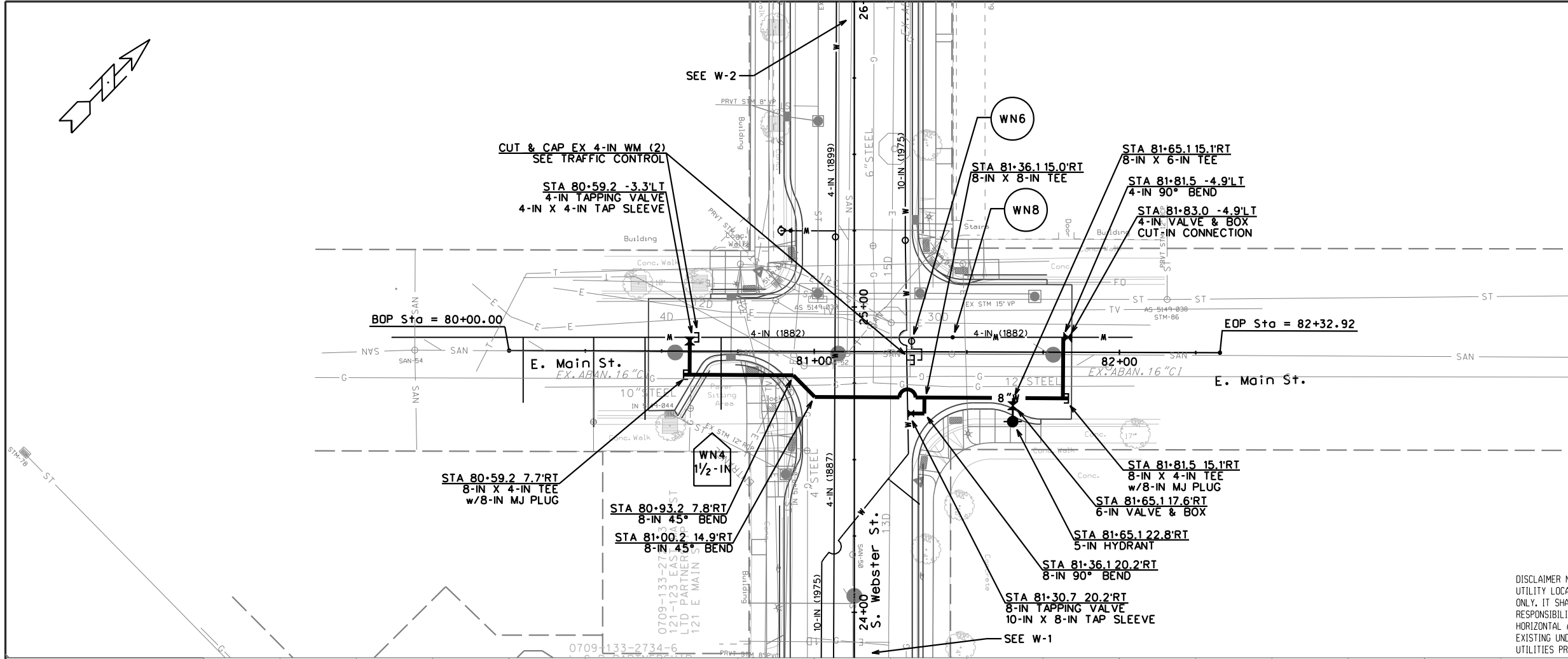


PLOT SCALE:

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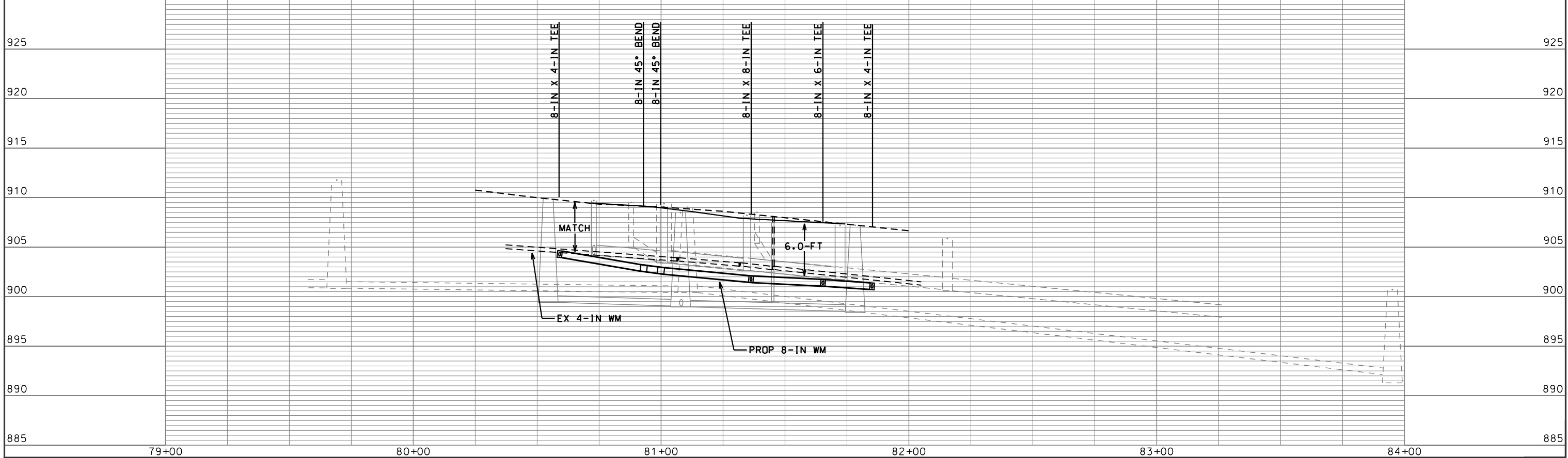
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PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

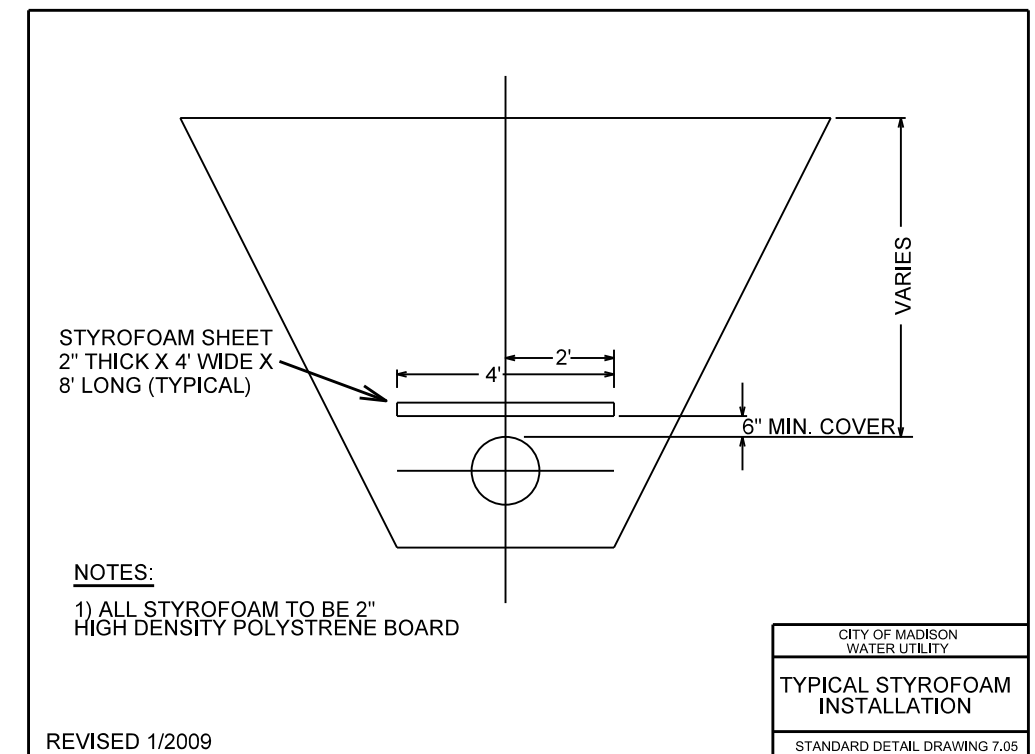
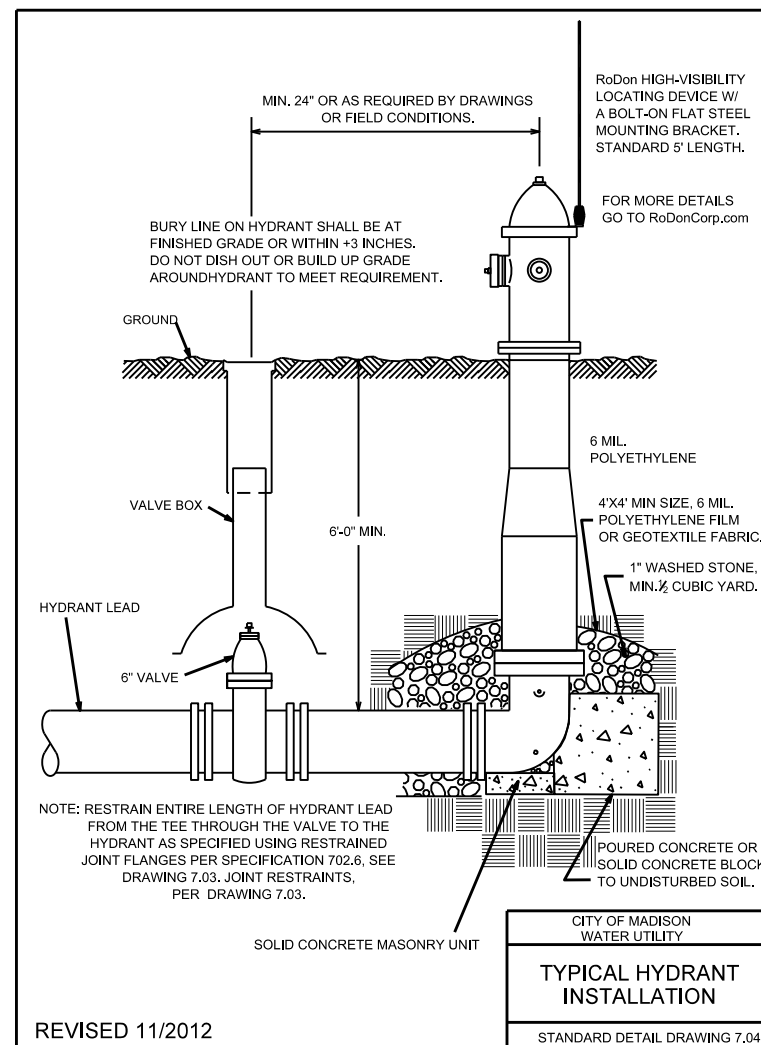
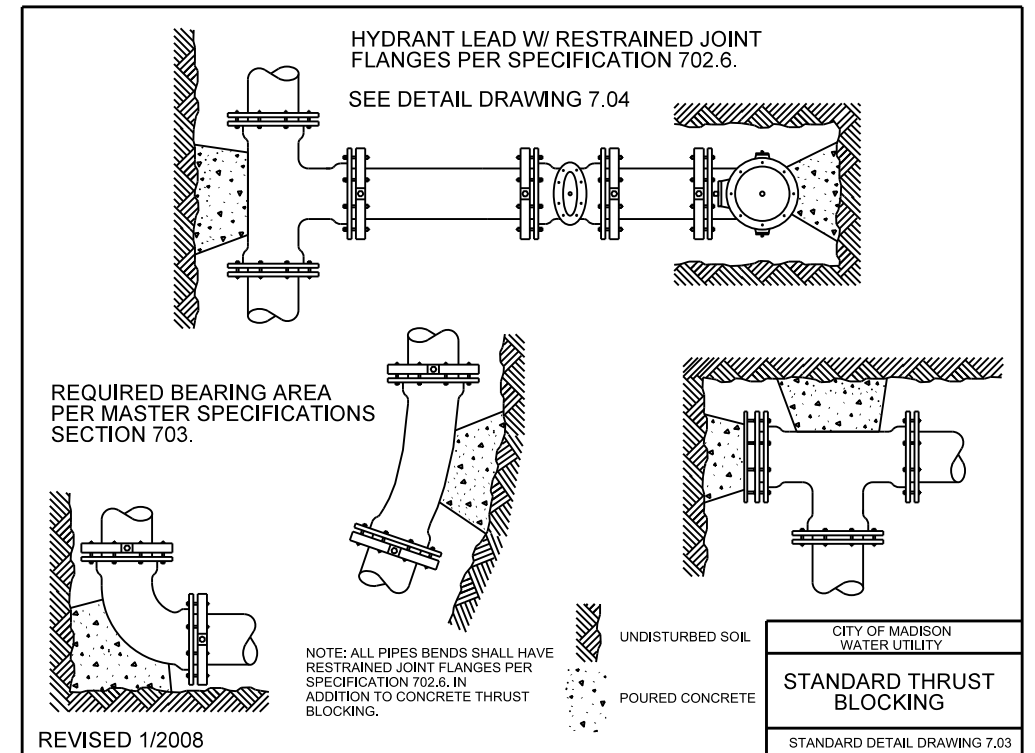
ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- 120' - 4" PIPE
- 40' - 6" PIPE
- 380' - 8" PIPE
- 120' - 10" PIPE
- 760' - POLYWRAP
- 4 - 4" VALVE & BOX
- 3 - 6" VALVE & BOX
- 1 - 8" VALVE & BOX
- 4 - 10" VALVE & BOX
- 3 - 8"x4" TEE
- 2 - 8"x6" TEE
- 3 - 8"x8" TEE
- 2 - 10"x4" TEE
- 1 - 10"x6" TEE
- 2 - 10"x8" TEE
- 6 - 4" 90° BEND
- 1 - 6" 90° BEND
- 2 - 8" 45° BEND
- 2 - 8" 90° BEND
- 1 - 10" 45° BEND
- 1 - 4"x3" REDUCER
- 4 - 4" MJ CAP
- 3 - 8" MJ CAP
- 4 - 8" MJ PLUG
- 3 - 5" HYDRANT
- 3 - VALVE BOX
- 24' - 2" STYROFOAM INSULATION

MATERIALS SUPPLIED BY CITY:

- 1 - 4" TAPPING VALVE
- 1 - 4"x4" TAP SLEEVE
- 2 - 8" TAPPING VALVE
- 1 - 8"x8" TAP SLEEVE
- 1 - 10"x8" TAP SLEEVE



PLOT SCALE:

PLOT NAME:

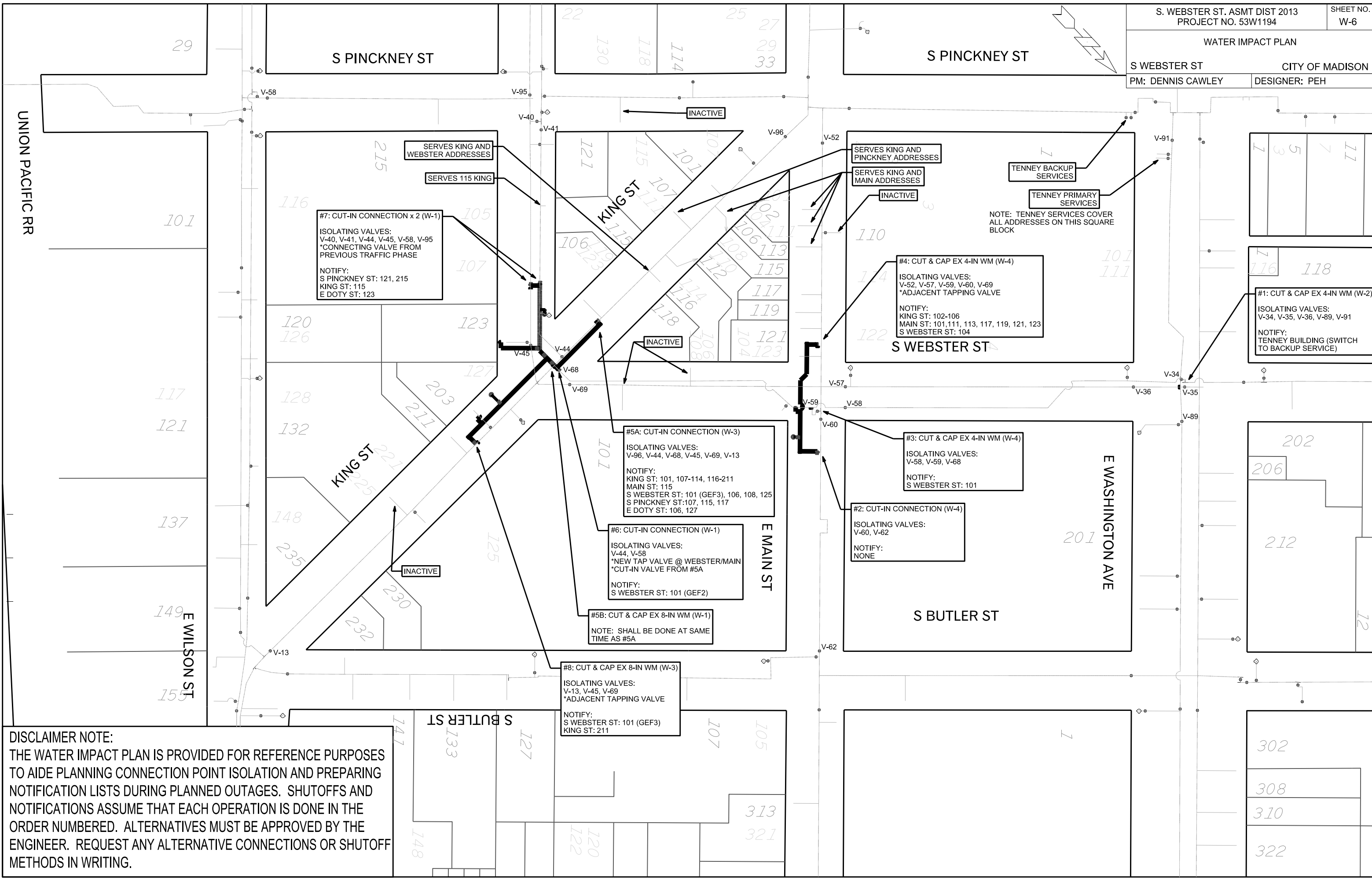
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER IMPACT PLAN

S WEBSTER ST CITY OF MADISON

PM: DENNIS CAWLEY DESIGNER: PEH



#7: CUT-IN CONNECTION x 2 (W-1)
ISOLATING VALVES:
V-40, V-41, V-44, V-45, V-58, V-95
*CONNECTING VALVE FROM
PREVIOUS TRAFFIC PHASE
NOTIFY:
S PINCKNEY ST: 121, 215
KING ST: 115
E DOTY ST: 123

#4: CUT & CAP EX 4-IN WM (W-4)
ISOLATING VALVES:
V-52, V-57, V-59, V-60, V-69
*ADJACENT TAPPING VALVE
NOTIFY:
KING ST: 102-106
MAIN ST: 101, 111, 113, 117, 119, 121, 123
S WEBSTER ST: 104

#5A: CUT-IN CONNECTION (W-3)
ISOLATING VALVES:
V-96, V-44, V-68, V-45, V-69, V-13
NOTIFY:
KING ST: 101, 107-114, 116-211
MAIN ST: 115
S WEBSTER ST: 101 (GEF3), 106, 108, 125
S PINCKNEY ST: 107, 115, 117
E DOTY ST: 106, 127

#6: CUT-IN CONNECTION (W-1)
ISOLATING VALVES:
V-44, V-58
*NEW TAP VALVE @ WEBSTER/MAIN
*CUT-IN VALVE FROM #5A
NOTIFY:
S WEBSTER ST: 101 (GEF2)

#5B: CUT & CAP EX 8-IN WM (W-1)
NOTE: SHALL BE DONE AT SAME
TIME AS #5A

#8: CUT & CAP EX 8-IN WM (W-3)
ISOLATING VALVES:
V-13, V-45, V-69
*ADJACENT TAPPING VALVE
NOTIFY:
S WEBSTER ST: 101 (GEF3)
KING ST: 211

#3: CUT & CAP EX 4-IN WM (W-4)
ISOLATING VALVES:
V-58, V-59, V-68
NOTIFY:
S WEBSTER ST: 101

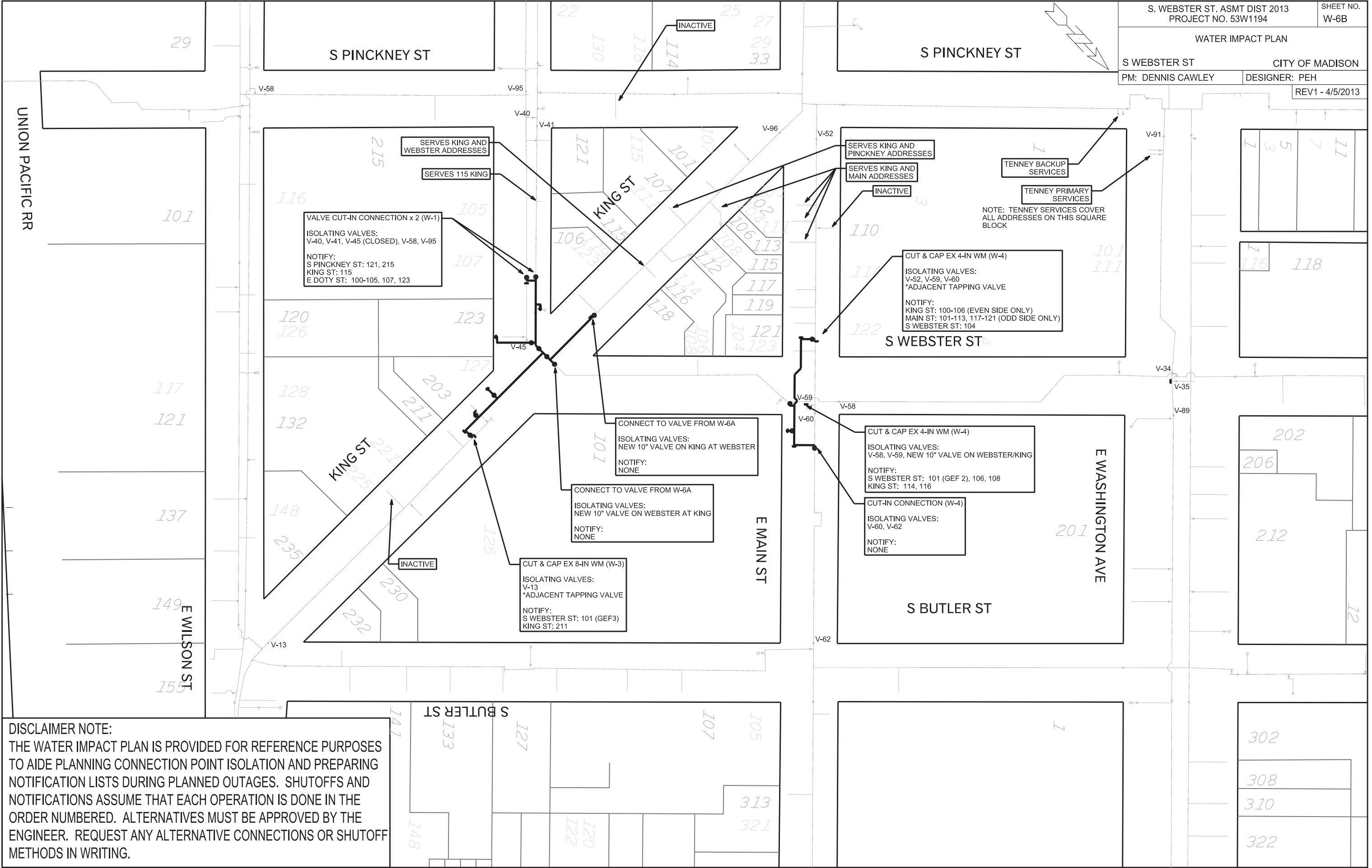
#2: CUT-IN CONNECTION (W-4)
ISOLATING VALVES:
V-60, V-62
NOTIFY:
NONE

#1: CUT & CAP EX 4-IN WM (W-2)
ISOLATING VALVES:
V-34, V-35, V-36, V-89, V-91
NOTIFY:
TENNEY BUILDING (SWITCH
TO BACKUP SERVICE)

NOTE: TENNEY SERVICES COVER
ALL ADDRESSES ON THIS SQUARE
BLOCK

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES
TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING
NOTIFICATION LISTS DURING PLANNED OUTAGES. SHUTOFFS AND
NOTIFICATIONS ASSUME THAT EACH OPERATION IS DONE IN THE
ORDER NUMBERED. ALTERNATIVES MUST BE APPROVED BY THE
ENGINEER. REQUEST ANY ALTERNATIVE CONNECTIONS OR SHUTOFF
METHODS IN WRITING.

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



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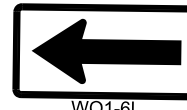
PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



LEGEND	
	DRUM DELINEATOR
	TYPE 3 BARRICADE
	TYPE 3 BARRICADE W/SIGN
	ELECTRONIC ARROWBOARD
	WORK ZONE
	ELECTRONIC ARROWBOARD

THIS WATER CONNECTION SHALL BE COMPLETED ON A SATURDAY ONLY.

LANE CLOSED
R11-2(MOD)



WO1-6L

LANE CLOSED
R11-2(MOD)

S WEBSTER ST

N WEBSTER ST

E WASHINGTON AVE

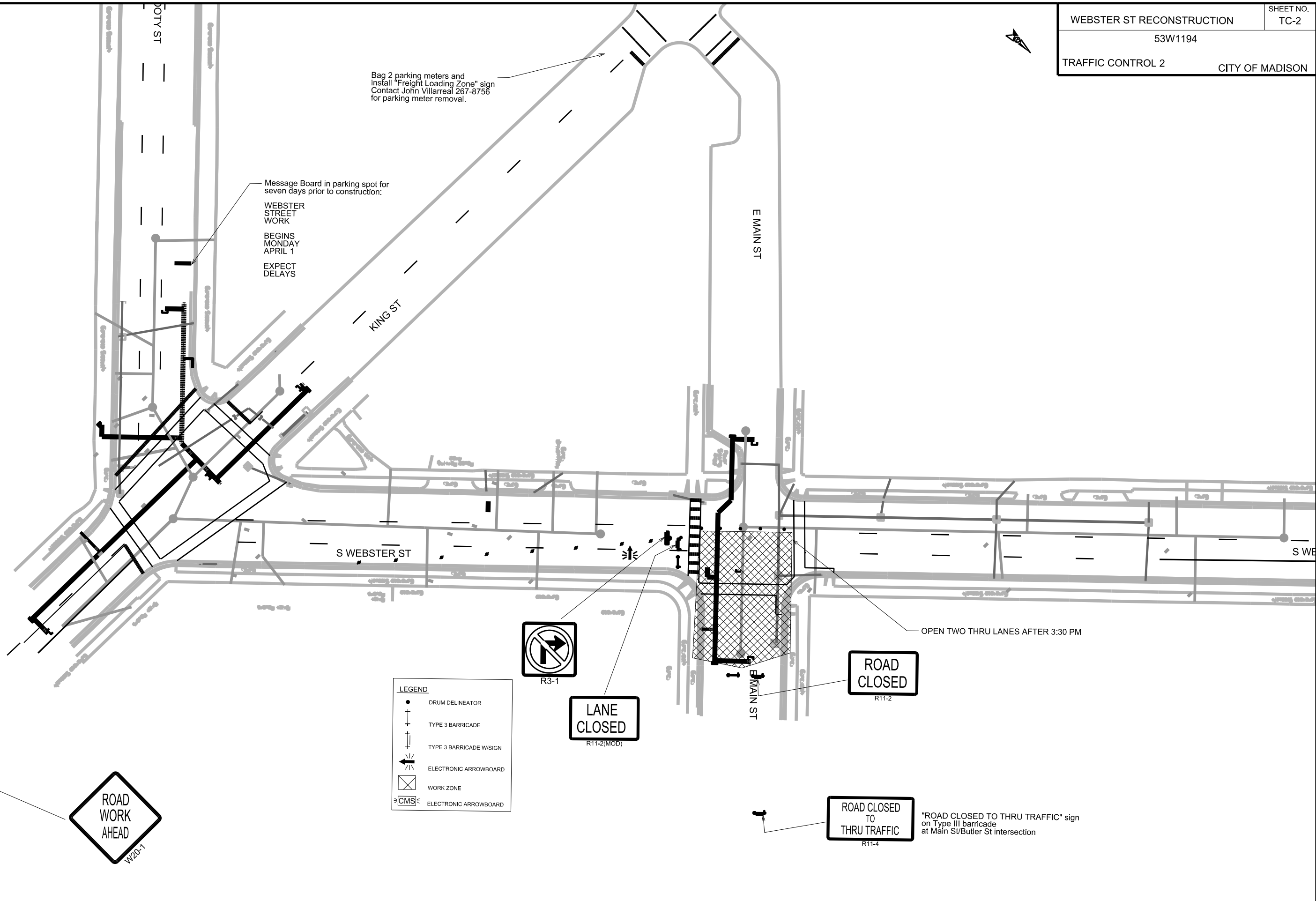
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Bag 2 parking meters and install "Freight Loading Zone" sign
 Contact John Villarreal 267-8756 for parking meter removal.

Message Board in parking spot for seven days prior to construction:
 WEBSTER STREET WORK
 BEGINS MONDAY APRIL 1
 EXPECT DELAYS

OPEN TWO THRU LANES AFTER 3:30 PM

"ROAD CLOSED TO THRU TRAFFIC" sign on Type III barricade at Main St/Butler St intersection

LEGEND	
	DRUM DELINEATOR
	TYPE 3 BARRICADE
	TYPE 3 BARRICADE W/SIGN
	ELECTRONIC ARROWBOARD
	WORK ZONE
	ELECTRONIC ARROWBOARD



R3-1



R11-2(MOD)



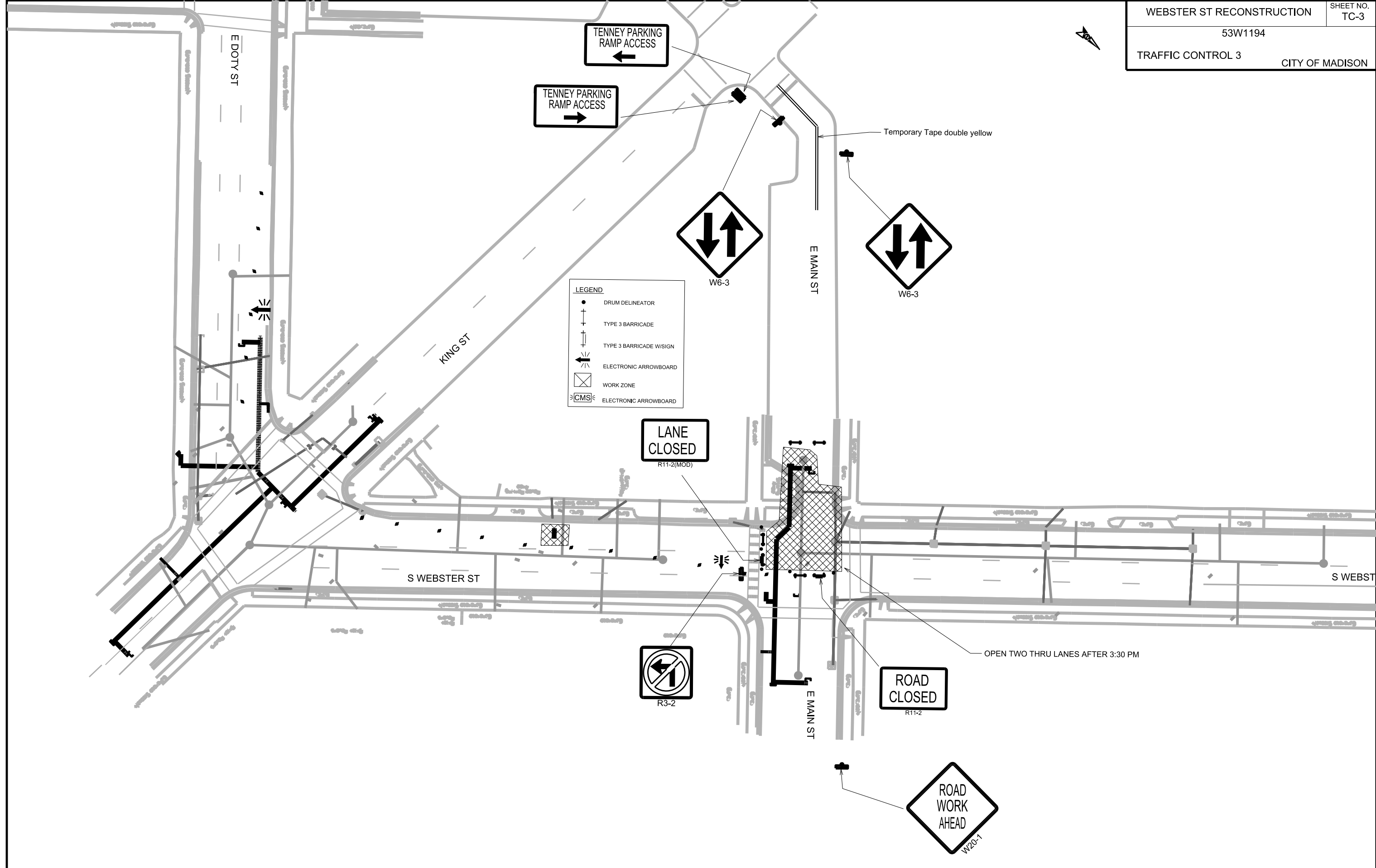
R11-2



R11-4



W20-1



LEGEND

- DRUM DELINEATOR
- ⊥ TYPE 3 BARRICADE
- ⊥ TYPE 3 BARRICADE W/SIGN
- ↔ ELECTRONIC ARROWBOARD
- ▨ WORK ZONE
- ⊥<C>CMS</C> ELECTRONIC ARROWBOARD

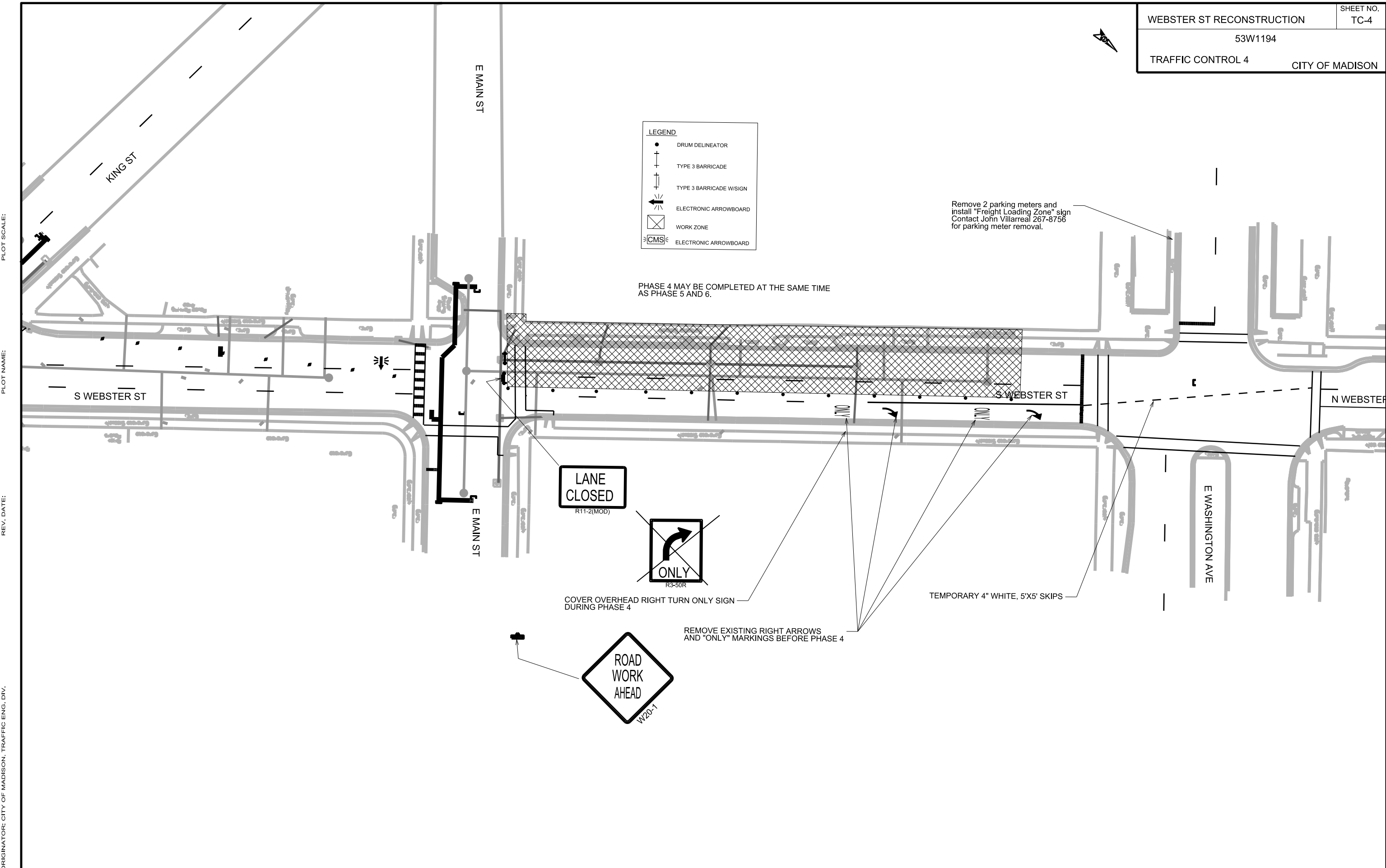
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LEGEND	
	DRUM DELINEATOR
	TYPE 3 BARRICADE
	TYPE 3 BARRICADE W/SIGN
	ELECTRONIC ARROWBOARD
	WORK ZONE
	ELECTRONIC ARROWBOARD

Remove 2 parking meters and install "Freight Loading Zone" sign
Contact John Villarreal 267-8756 for parking meter removal.

PHASE 4 MAY BE COMPLETED AT THE SAME TIME AS PHASE 5 AND 6.



LANE CLOSED
R11-2(MOD)

~~ONLY~~
R3-50R

COVER OVERHEAD RIGHT TURN ONLY SIGN DURING PHASE 4

ROAD WORK AHEAD
W20-1

REMOVE EXISTING RIGHT ARROWS AND "ONLY" MARKINGS BEFORE PHASE 4

TEMPORARY 4" WHITE, 5'X5' SKIPS

PLOT SCALE:

PLOT NAME:

REV. DATE:

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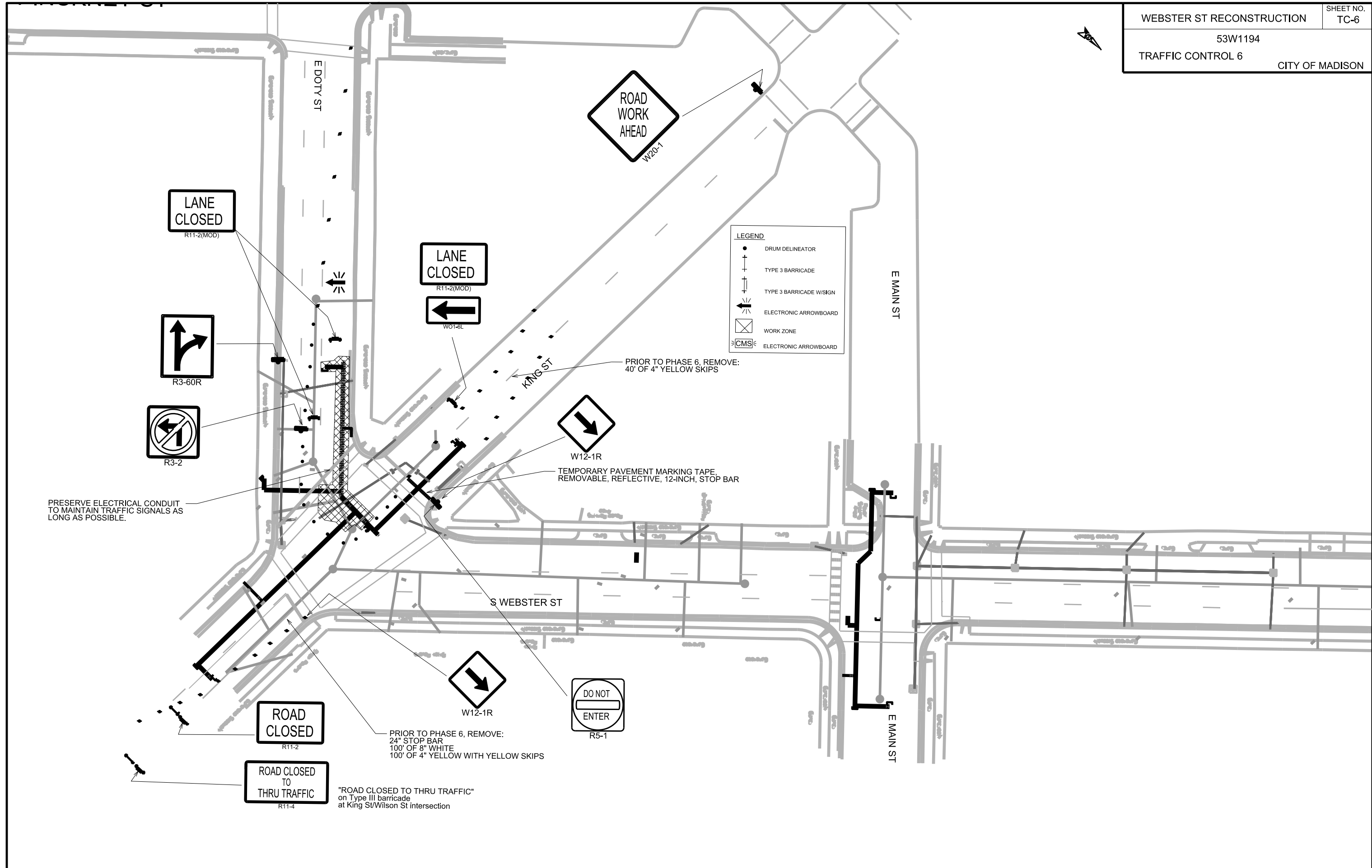
LEGEND

- DRUM DELINEATOR
- ⊥ TYPE 3 BARRICADE
- ⊥ TYPE 3 BARRICADE W/SIGN
- ↔ ELECTRONIC ARROWBOARD
- ⊠ WORK ZONE
- ⊠>[CMS]< ELECTRONIC ARROWBOARD

PRESERVE ELECTRICAL CONDUIT TO MAINTAIN TRAFFIC SIGNALS AS LONG AS POSSIBLE.

OPEN MIDDLE LANE AFTER 3:30 PM

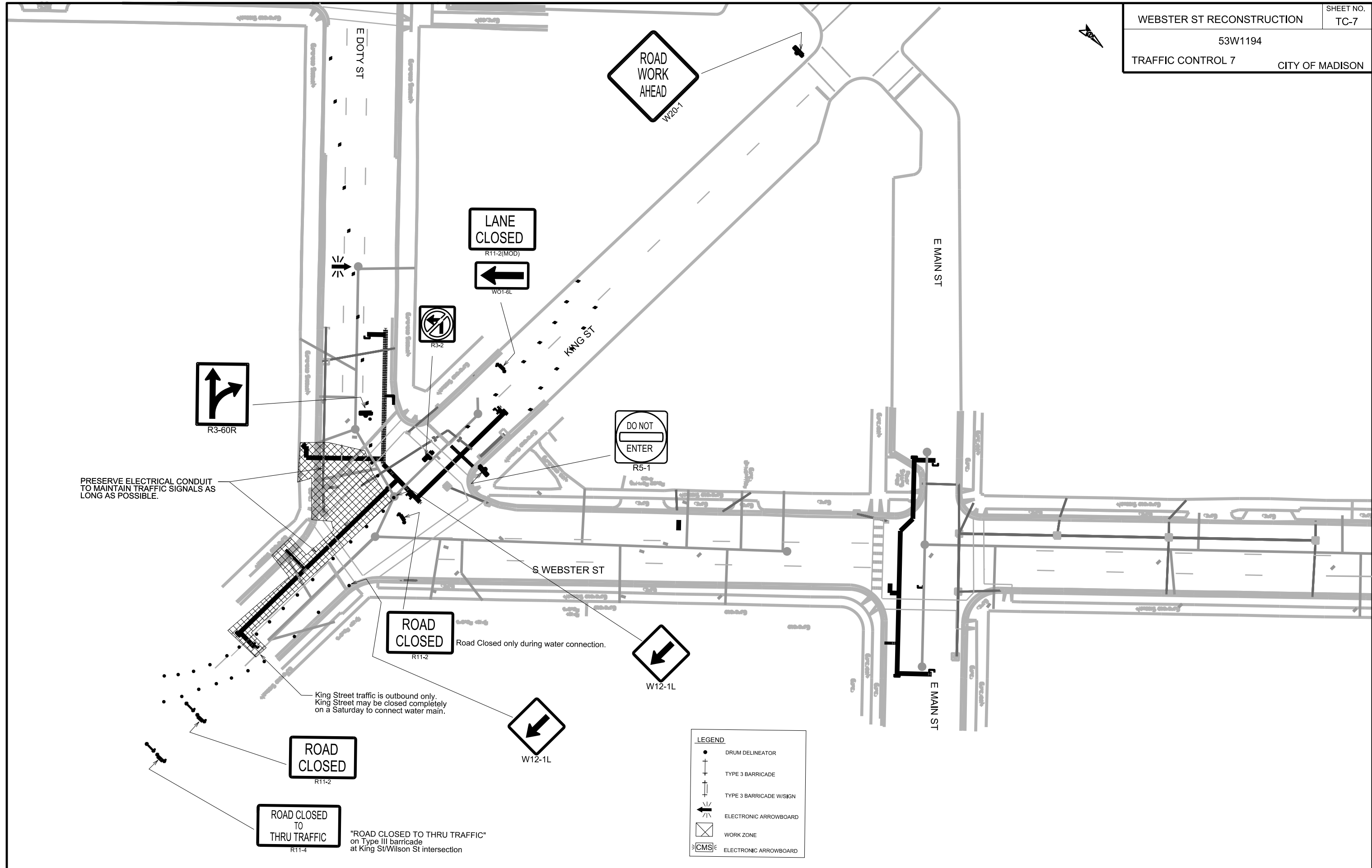
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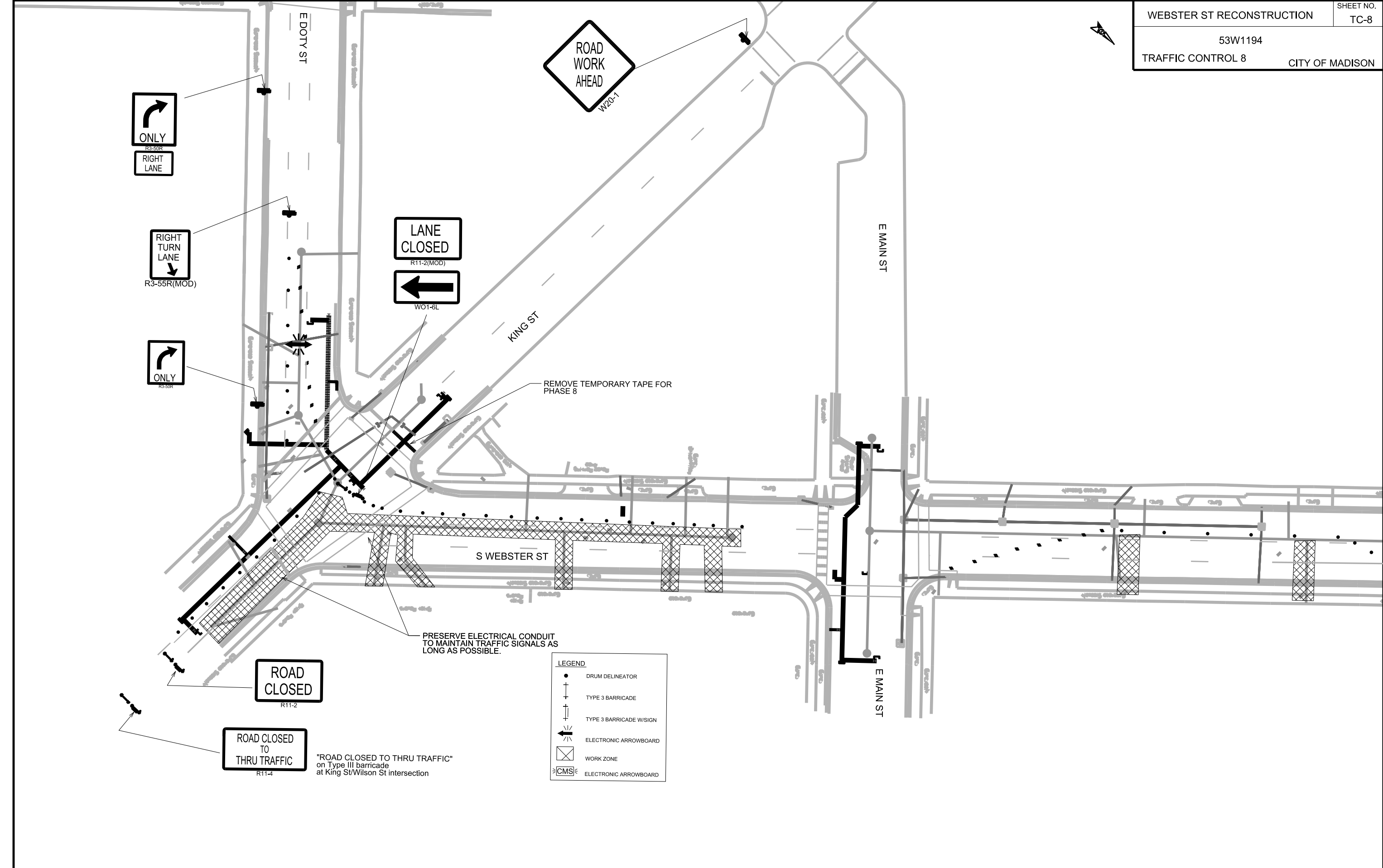
LEGEND

- DRUM DELINEATOR
- ⊥ TYPE 3 BARRICADE
- ⊥ TYPE 3 BARRICADE W/SIGN
- ⊥ ELECTRONIC ARROWBOARD
- ⊗ WORK ZONE
- ⊗ ELECTRONIC ARROWBOARD

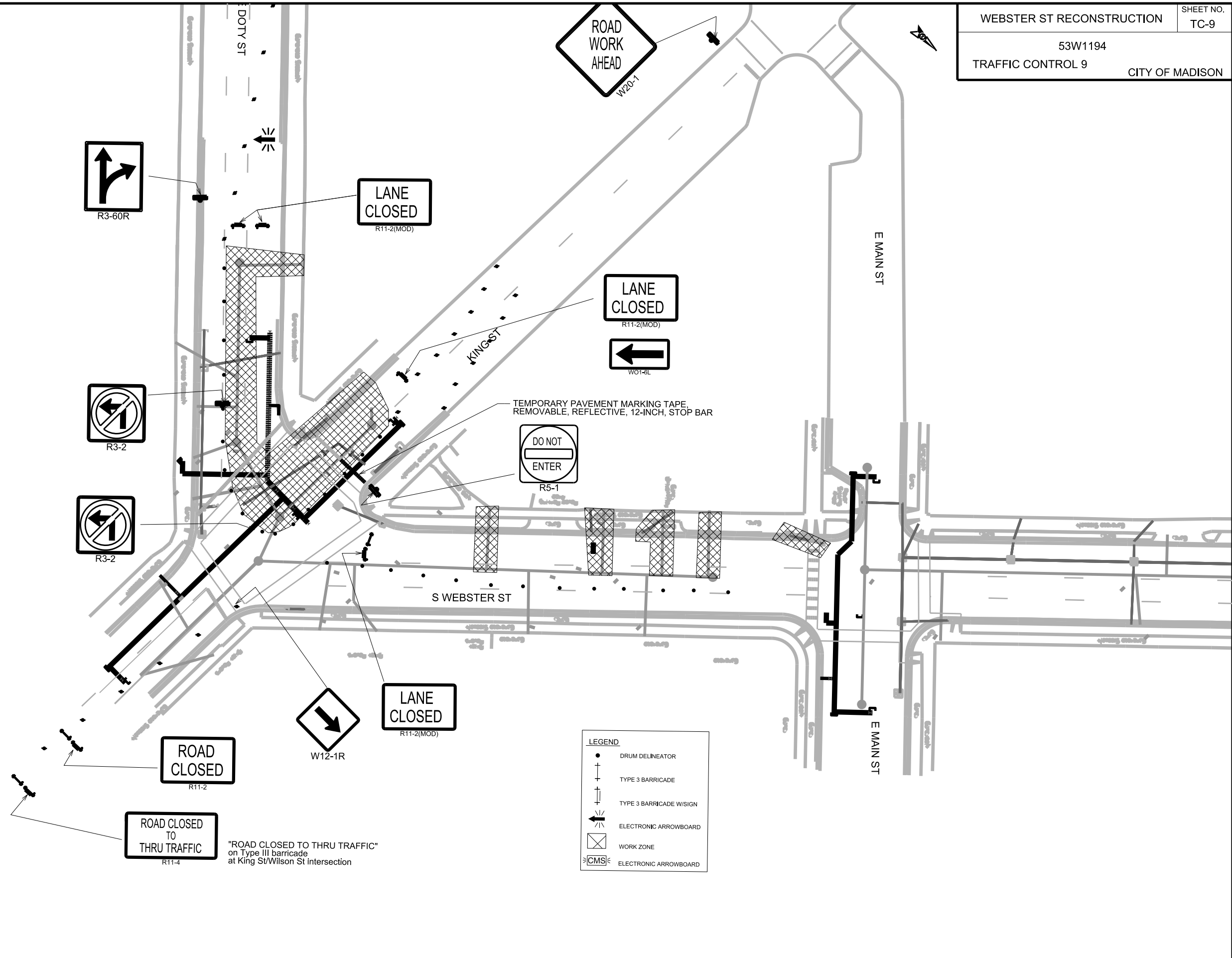
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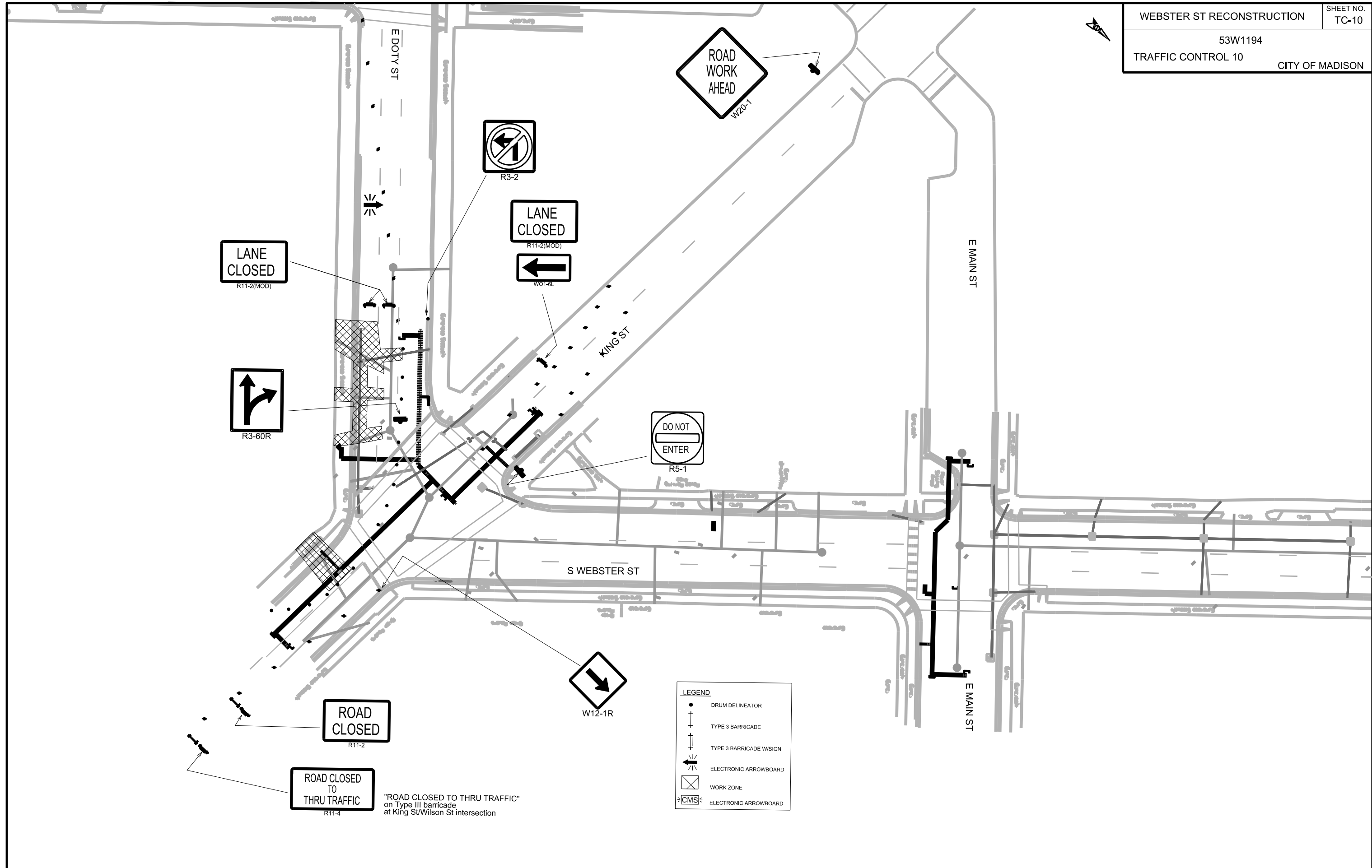


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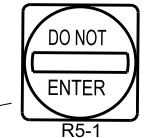
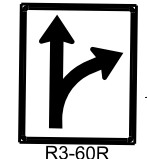
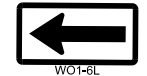
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LANE CLOSED
R11-2(MOD)



LANE CLOSED
R11-2(MOD)



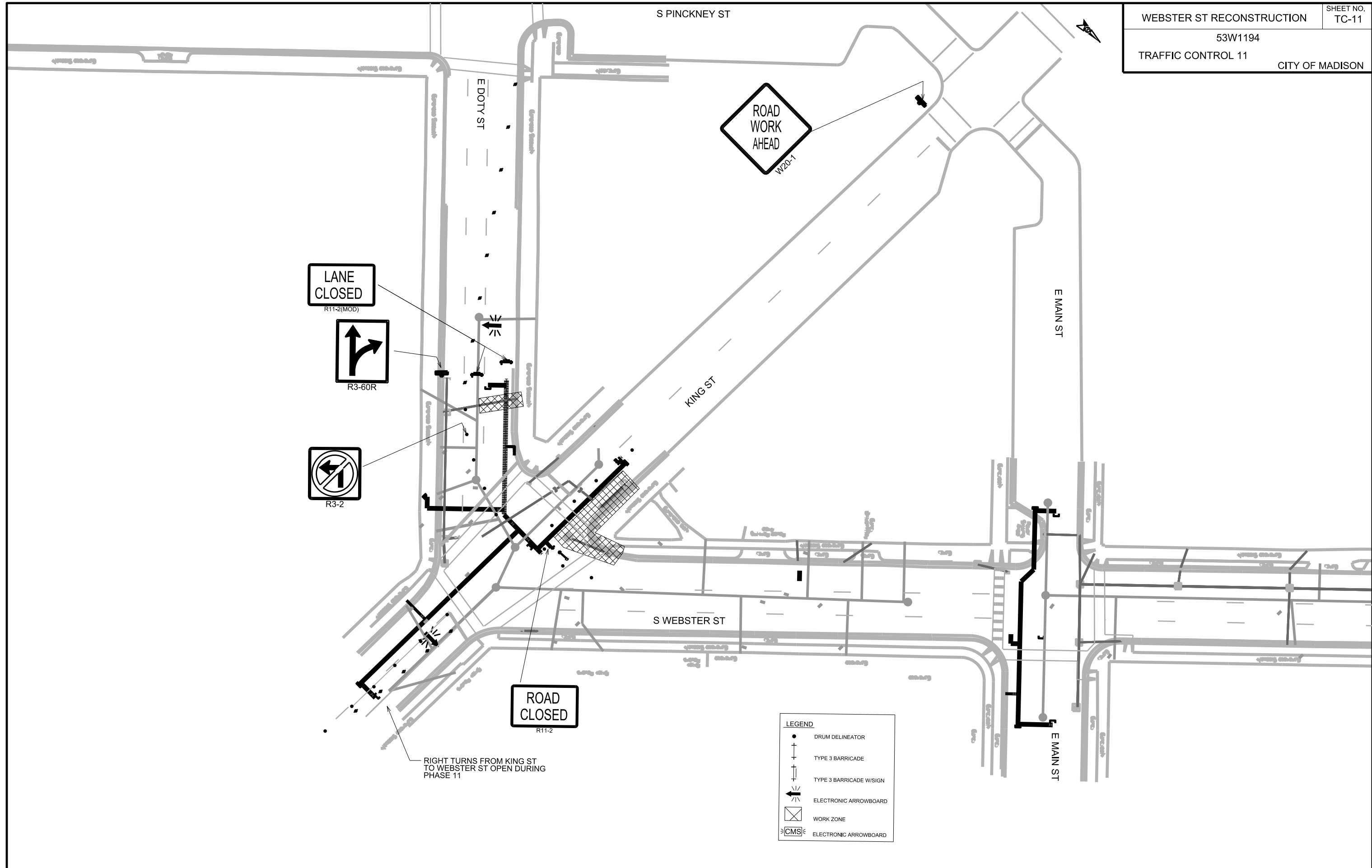
ROAD CLOSED
R11-2

ROAD CLOSED TO THRU TRAFFIC
R11-4

"ROAD CLOSED TO THRU TRAFFIC" on Type III barricade at King St/Wilson St intersection

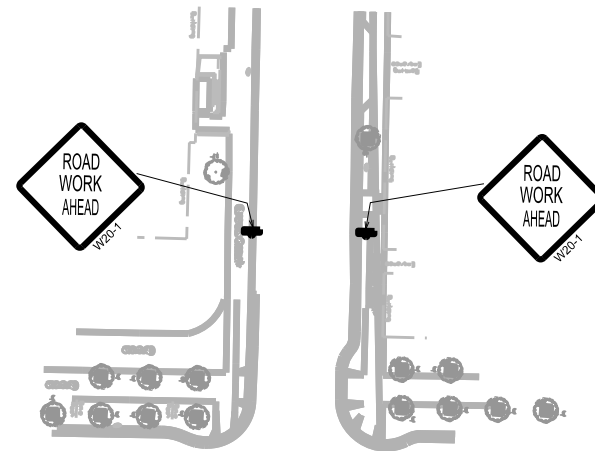
LEGEND	
	DRUM DELINEATOR
	TYPE 3 BARRICADE
	TYPE 3 BARRICADE W/SIGN
	ELECTRONIC ARROWBOARD
	WORK ZONE
	ELECTRONIC ARROWBOARD

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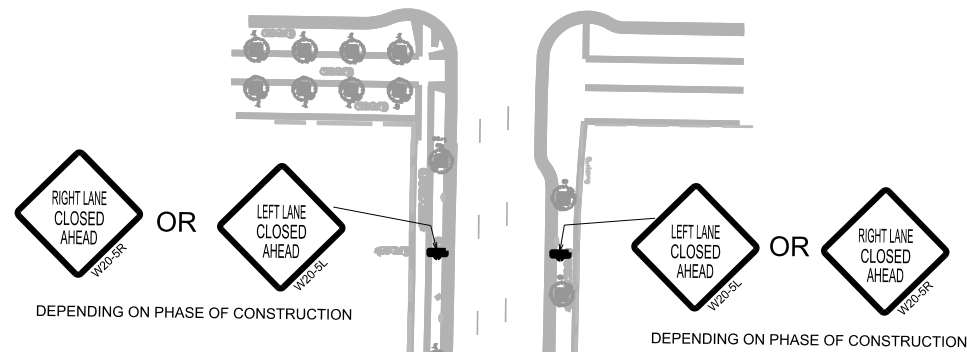


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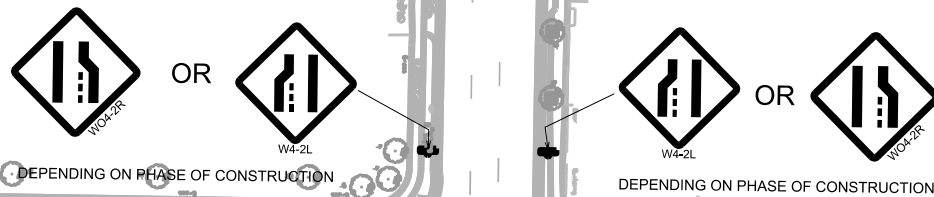
ADVANCED WARNING SIGNS
TO BE IN PLACE DURING ENTIRE DURATION
OF CONSTRUCTION



MARTIN LUTHER KING JR BLVD



E DOTY ST



S PINCKNEY ST

S PINCKNEY ST

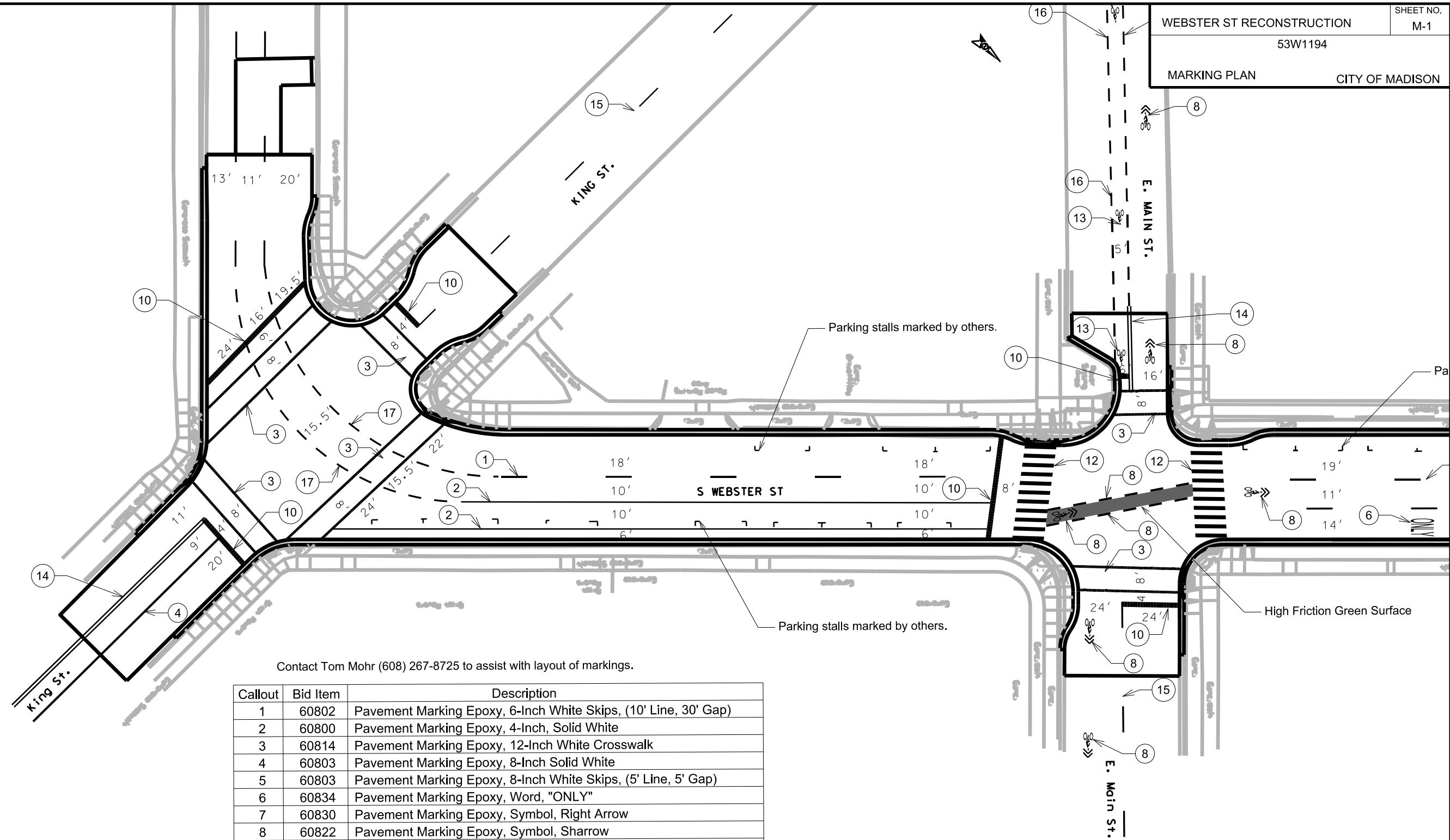


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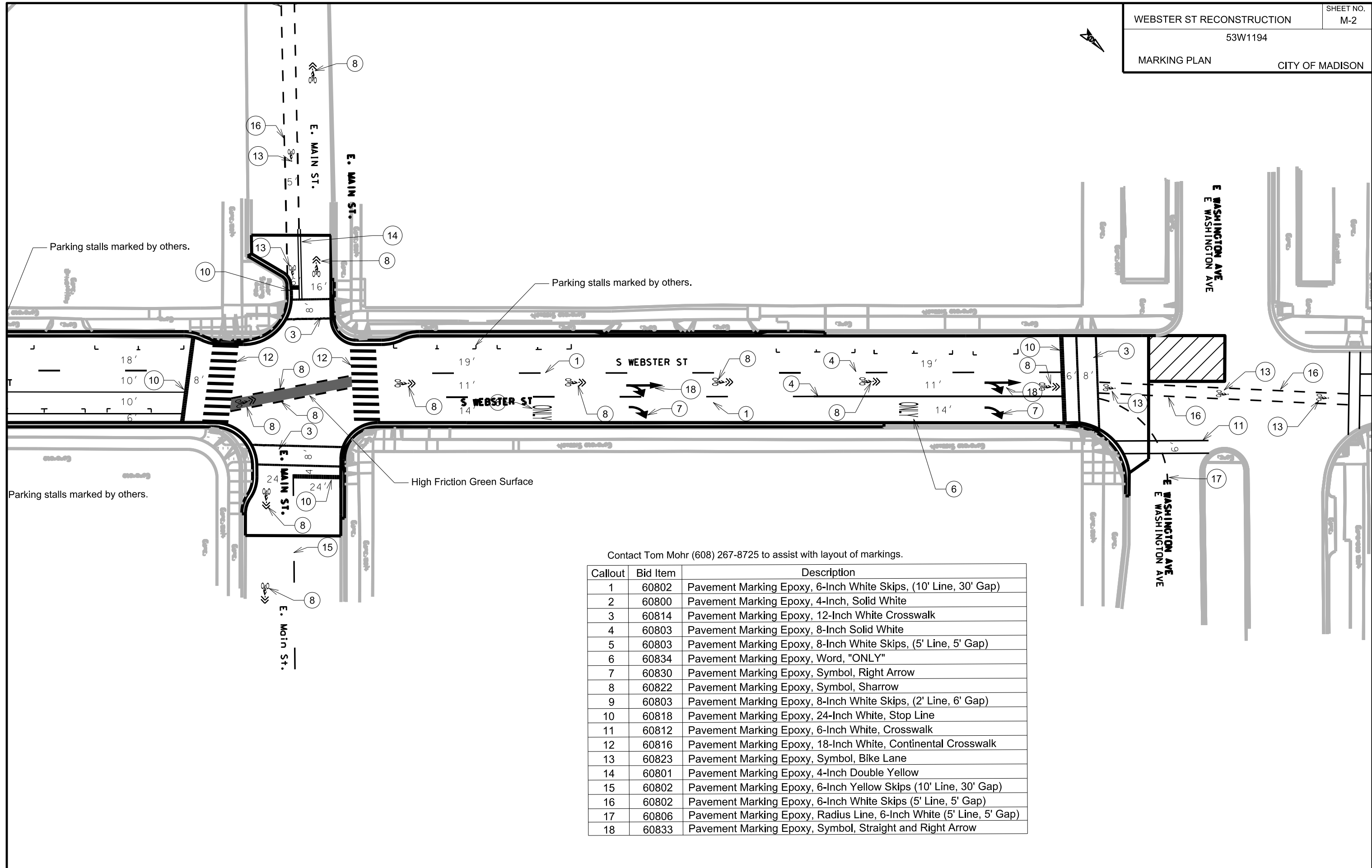
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Contact Tom Mohr (608) 267-8725 to assist with layout of markings.

Callout	Bid Item	Description
1	60802	Pavement Marking Epoxy, 6-Inch White Skips, (10' Line, 30' Gap)
2	60800	Pavement Marking Epoxy, 4-Inch, Solid White
3	60814	Pavement Marking Epoxy, 12-Inch White Crosswalk
4	60803	Pavement Marking Epoxy, 8-Inch Solid White
5	60803	Pavement Marking Epoxy, 8-Inch White Skips, (5' Line, 5' Gap)
6	60834	Pavement Marking Epoxy, Word, "ONLY"
7	60830	Pavement Marking Epoxy, Symbol, Right Arrow
8	60822	Pavement Marking Epoxy, Symbol, Sharrow
9	60803	Pavement Marking Epoxy, 8-Inch White Skips, (2' Line, 6' Gap)
10	60818	Pavement Marking Epoxy, 24-Inch White, Stop Line
11	60812	Pavement Marking Epoxy, 6-Inch White, Crosswalk
12	60816	Pavement Marking Epoxy, 18-Inch White, Continental Crosswalk
13	60823	Pavement Marking Epoxy, Symbol, Bike Lane
14	60801	Pavement Marking Epoxy, 4-Inch Double Yellow
15	60802	Pavement Marking Epoxy, 6-Inch Yellow Skips (10' Line, 30' Gap)
16	60802	Pavement Marking Epoxy, 6-Inch White Skips (5' Line, 5' Gap)
17	60806	Pavement Marking Epoxy, Radius Line, 6-Inch White (5' Line, 5' Gap)
18	60833	Pavement Marking Epoxy, Symbol, Straight and Right Arrow

PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



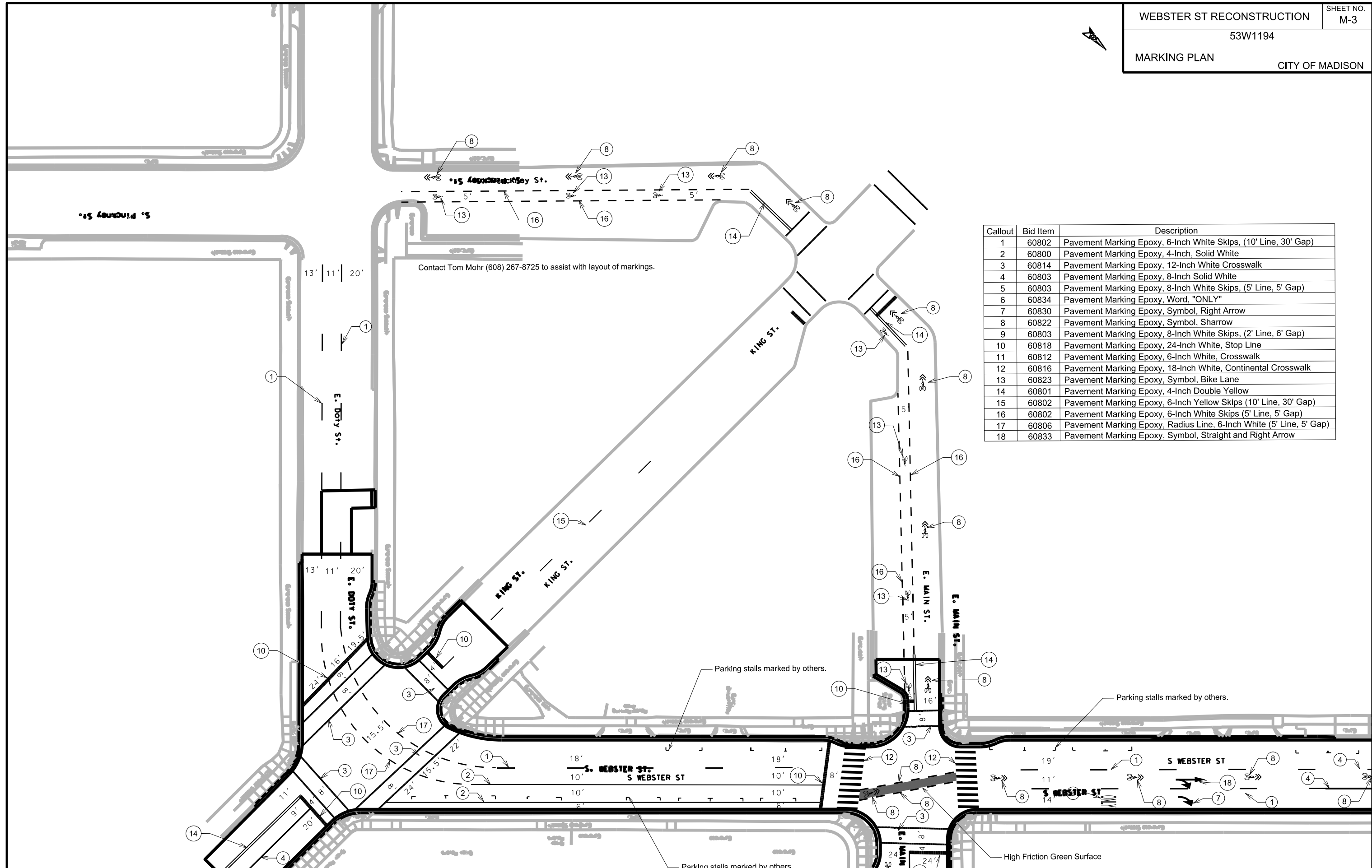
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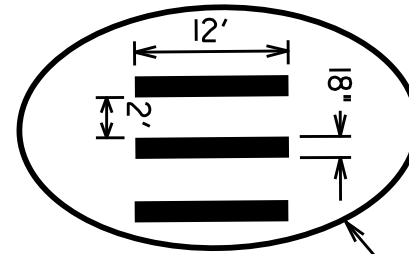


PLOT SCALE:
 PLOT NAME:
 REV. DATE:
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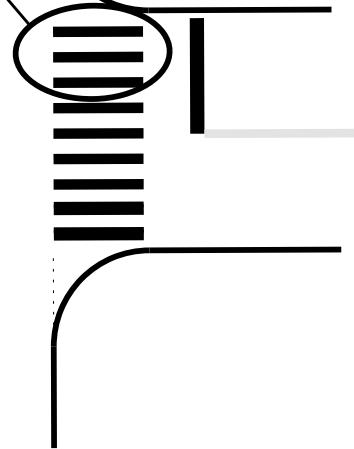


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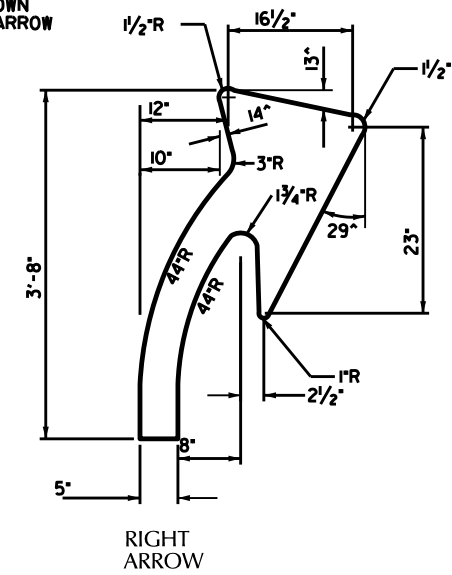


CONTINENTAL CROSSWALKS
 CONTINENTAL CROSSWALKS HAVE 18 INCH WIDE 12 FOOT LONG CROSSBARS PLACED IN LINE WITH THE TRAFFIC FLOW.
 THE SPACING OR GAP BETWEEN THE CROSSBARS IS 24 INCHES
 THE CROSSBARS SHOULD BE PLACED IN A MANNER THAT MINIMIZES CONTACT WITH VEHICLES TIRES.

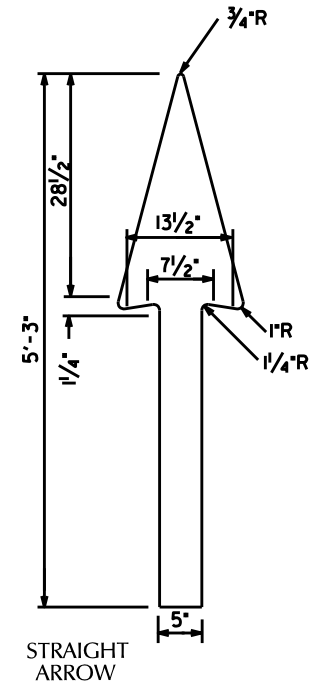


CONTINENTAL X-WALK & STOP LINES DETAIL

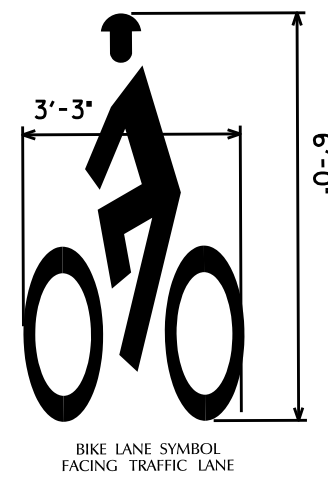
LEFT ARROW'S DIMENSIONS SAME AS SHOWN ON RIGHT ARROW



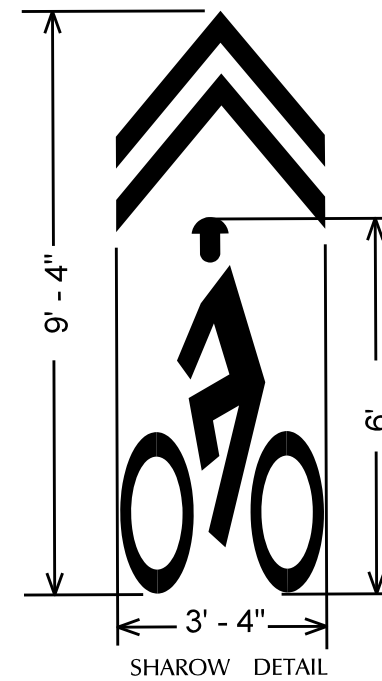
RIGHT ARROW



STRAIGHT ARROW



BIKE LANE SYMBOL FACING TRAFFIC LANE



SHAROW DETAIL

FULL SIZE PATTERNS FOR ARROWS & WORD LEGENDS ARE AVAILABLE AT:
 CITY OF MADISON TRAFFIC ENGINEERING
 FIELD OPERATIONS FACILITY
 1120 SAYLE ST. (608) 266-4767

Bike symbols always face left or away from the curb.

PLOT SCALE:

PLOT NAME:

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ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

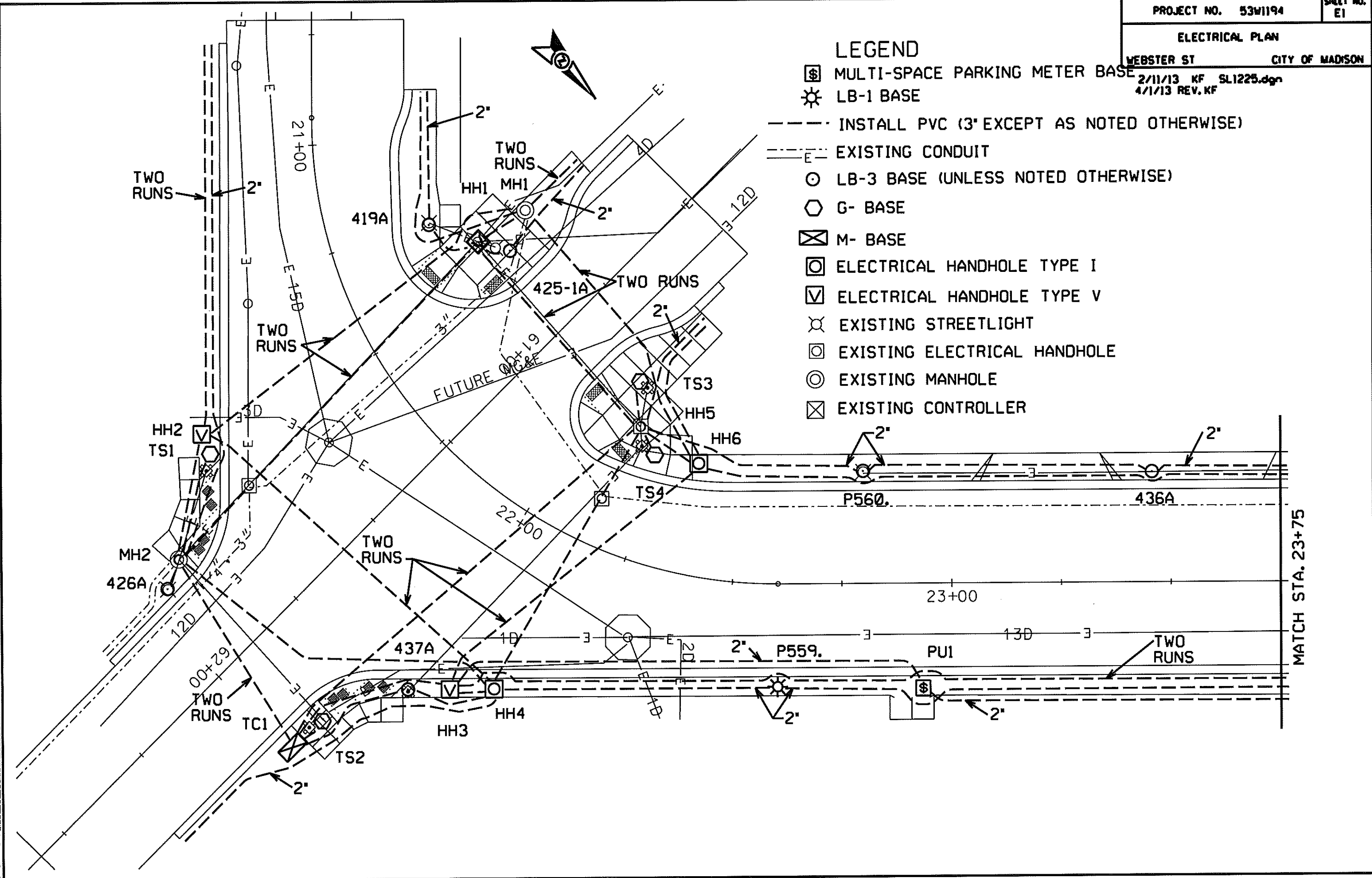
ELECTRICAL PLAN

WEBSTER ST CITY OF MADISON

2/11/13 KF SL1225.dgn
4/1/13 REV. KF

LEGEND

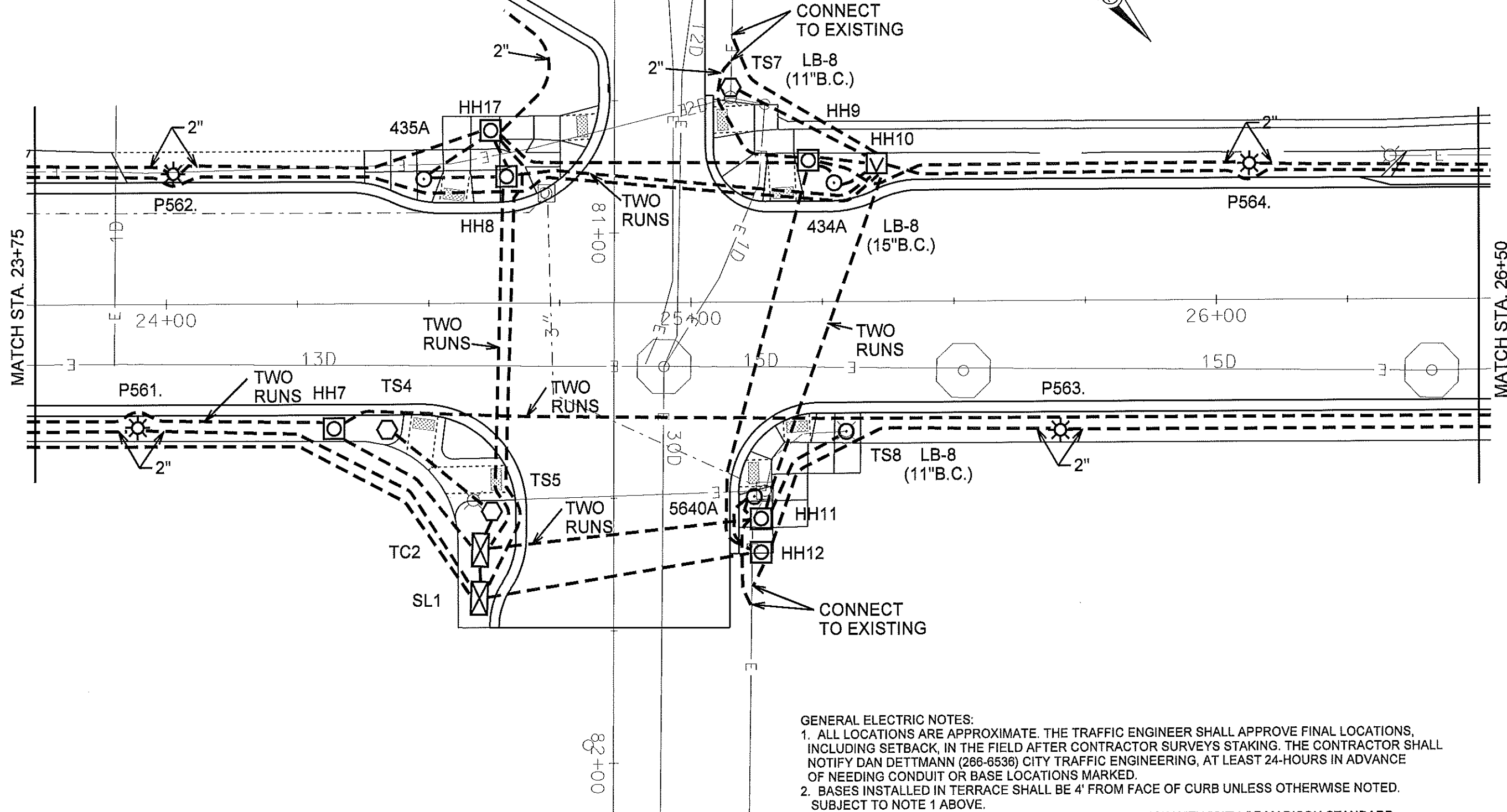
- Ⓜ MULTI-SPACE PARKING METER BASE
- ☼ LB-1 BASE
- INSTALL PVC (3' EXCEPT AS NOTED OTHERWISE)
- E --- EXISTING CONDUIT
- LB-3 BASE (UNLESS NOTED OTHERWISE)
- ⬡ G- BASE
- ⊠ M- BASE
- ⊞ ELECTRICAL HANDHOLE TYPE I
- ⊞ ELECTRICAL HANDHOLE TYPE V
- ⊗ EXISTING STREETLIGHT
- ⊞ EXISTING ELECTRICAL HANDHOLE
- ⊙ EXISTING MANHOLE
- ⊠ EXISTING CONTROLLER



ELECTRICAL PLAN

WEBSTER ST CITY OF MADISON

4/1/13 KF SLI225.dgn



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. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED. SUBJECT TO NOTE 1 ABOVE.
3. 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.
4. 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.

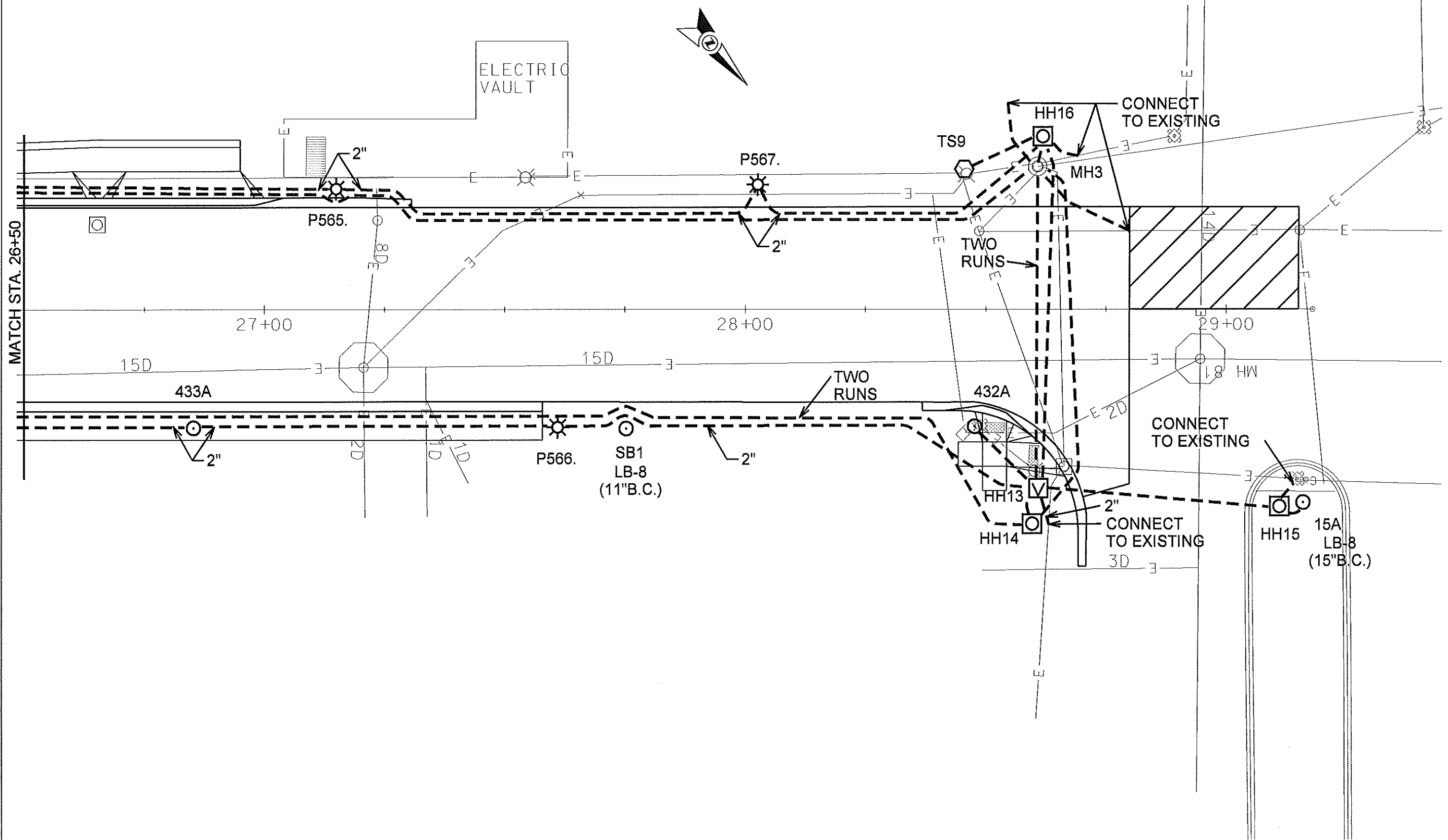
ELECTRICAL PLAN

WEBSTER ST CITY OF MADISON

4/1/13 KF SLI225.dgn



ELECTRIC VAULT



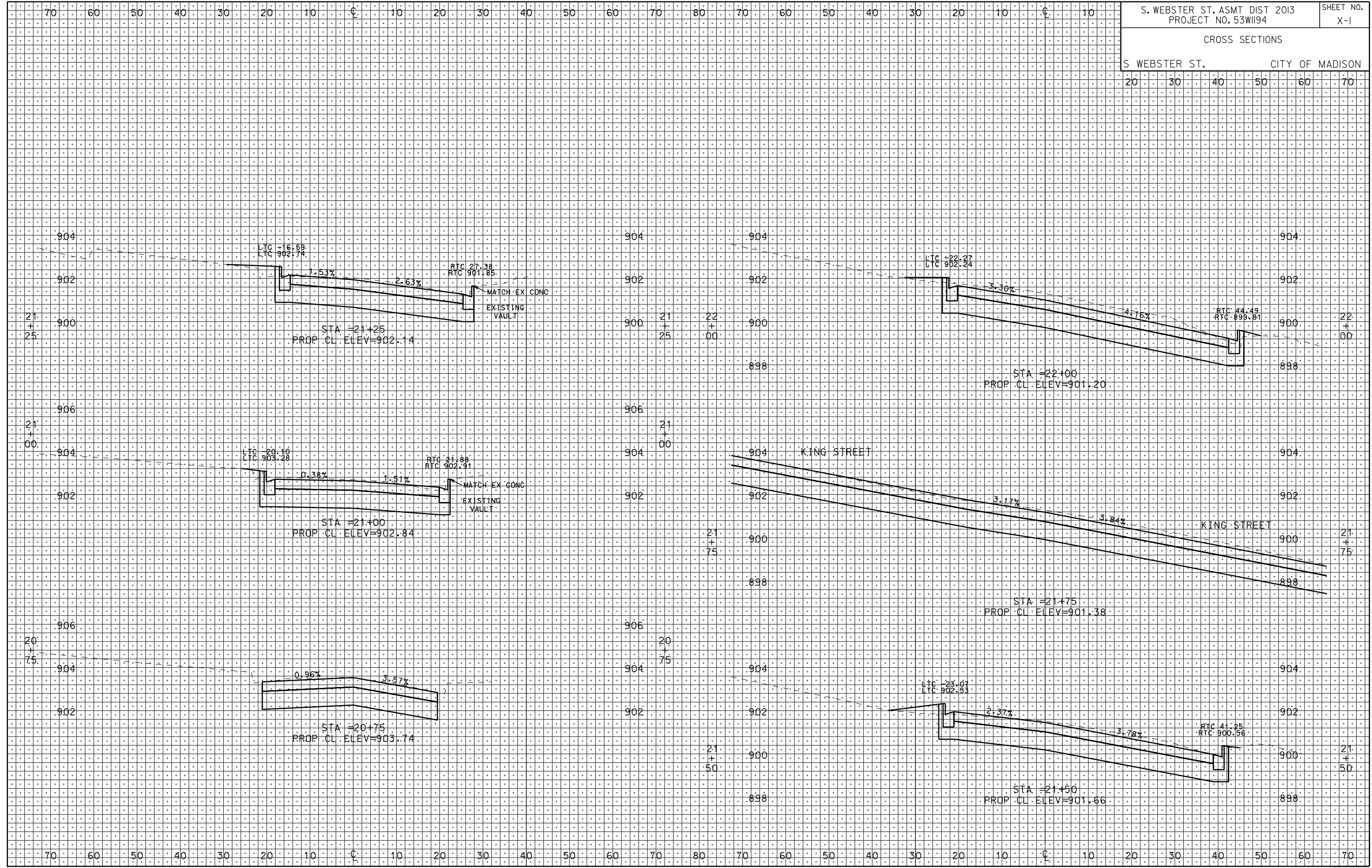
MATCH STA. 26+50

ORIGINATOR: CITY_OF_MADISON_IBAEEIC_ENGINEERING

CROSS SECTIONS

S WEBSTER ST. CITY OF MADISON

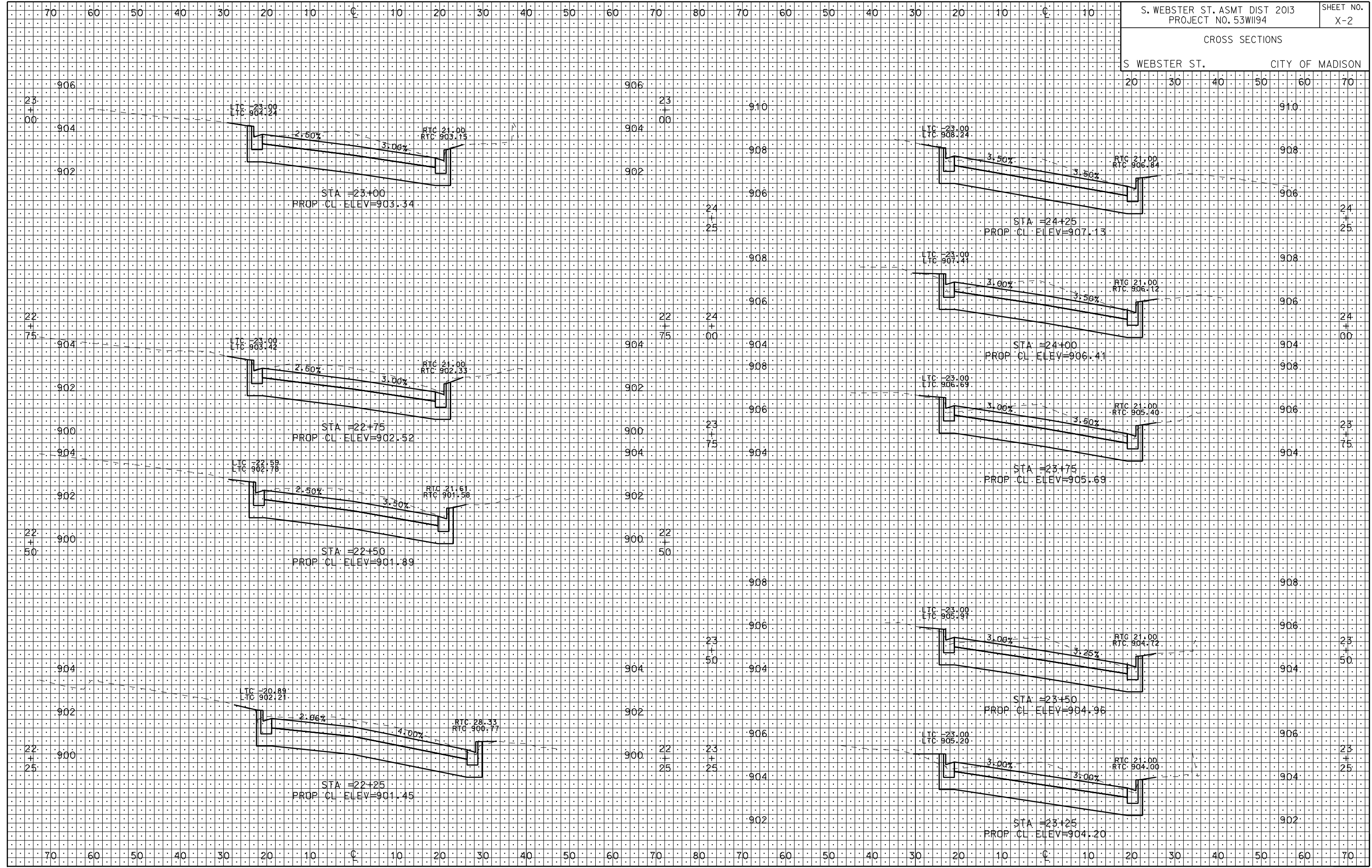
PLOT SCALE:
PLOT NAME:
REV. DATE:



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

S WEBSTER ST. CITY OF MADISON



PLOT SCALE: 1"=40'

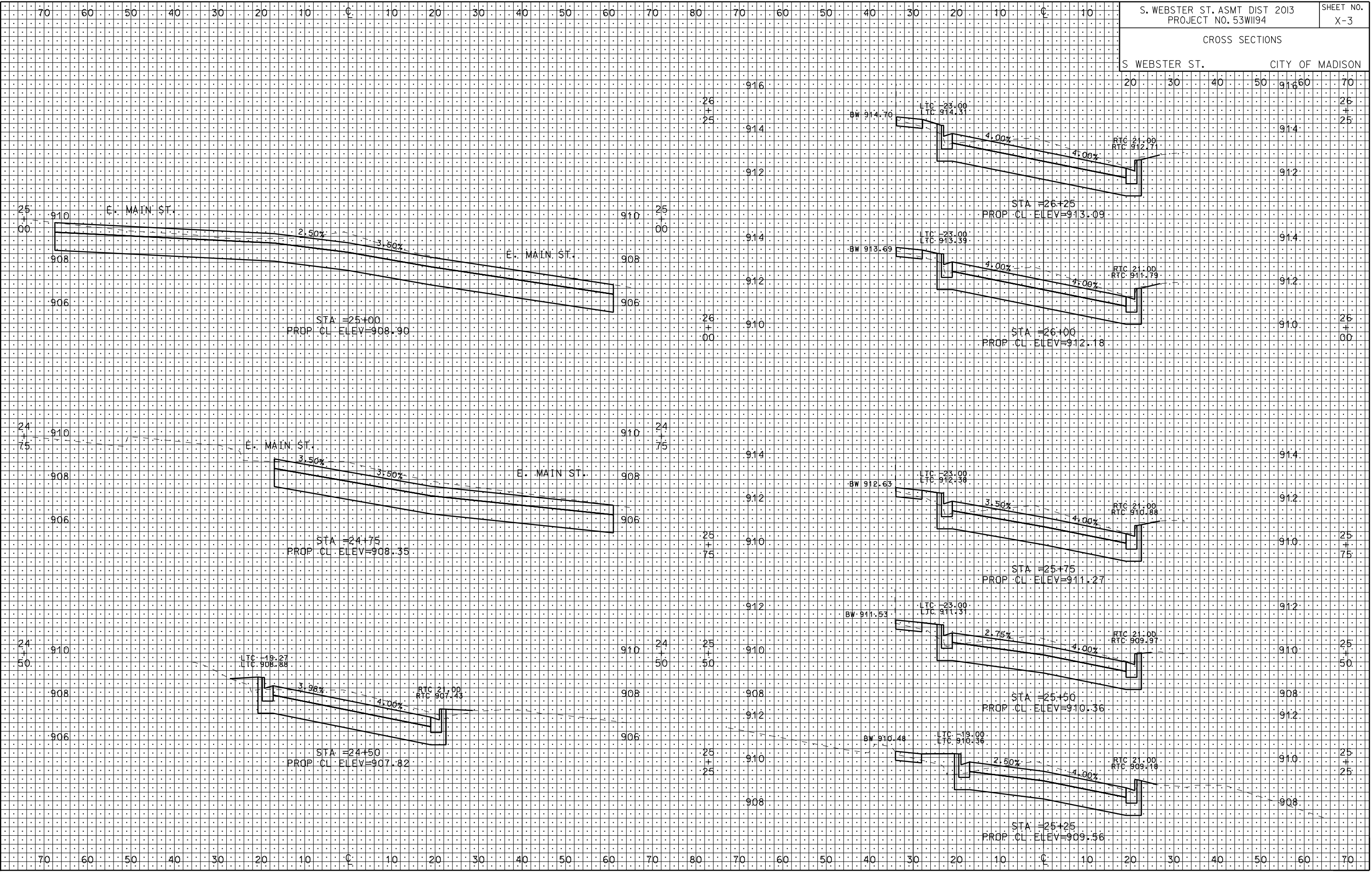
PLOT NAME: S WEBSTER ST.

REV. DATE: 2/11/2013

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

S WEBSTER ST. CITY OF MADISON



PLOT SCALE: 1"=40'

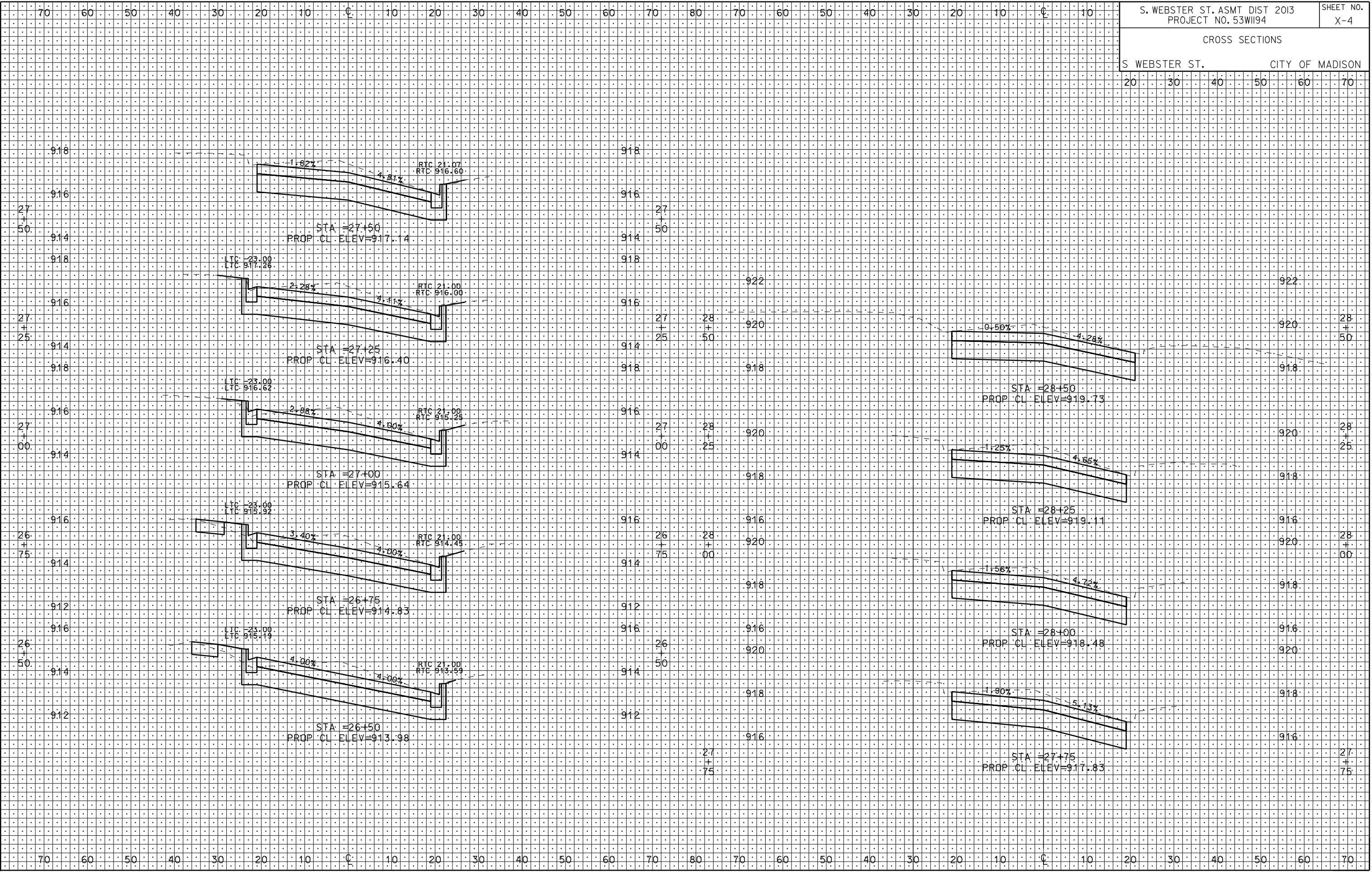
PLOT NAME: S WEBSTER ST.

REV. DATE: 2/11/2013

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

S WEBSTER ST. CITY OF MADISON



PLOT SCALE: 1"=10'

PLOT NAME: S WEBSTER ST.

REV. DATE: 2/11/2013

ORIGINATOR: CITY OF MADISON, STREETS DIVISION