

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

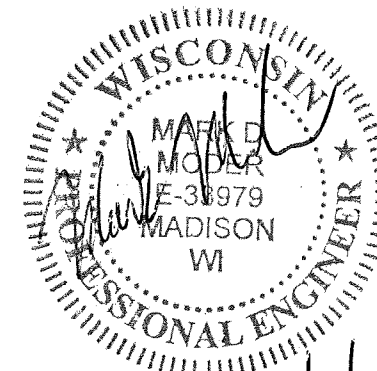
| SHEET NO. | TITLE                   |
|-----------|-------------------------|
| 1         |                         |
| DI-D4     | DETAILS                 |
| EC1-EC2   | EROSION CONTROL PLANS   |
| P1-P4     | STREET PLAN & PROFILE   |
| U1-U4     | UTILITY PLAN & PROFILE  |
| U5-U6     | UTILITY 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

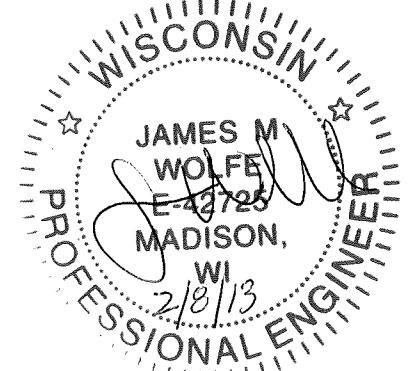
CITY PROJECT NO. 53W1194

CITY CONTRACT NO. 7011

SANITARY SEWER DESIGNED BY:



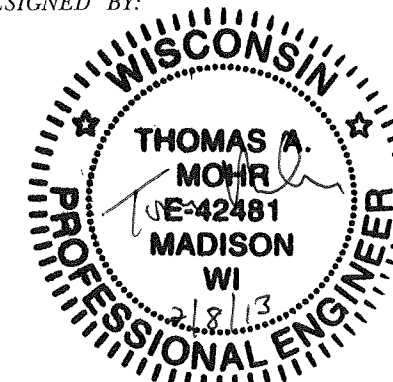
STREET DESIGNED BY:



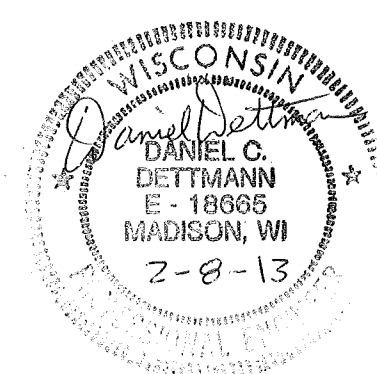
STORM SEWER DESIGNED BY:



TRAFFIC CONTROL & PAVEMENT MARKINGS DESIGNED BY:



ELECTRICAL DESIGNED BY:



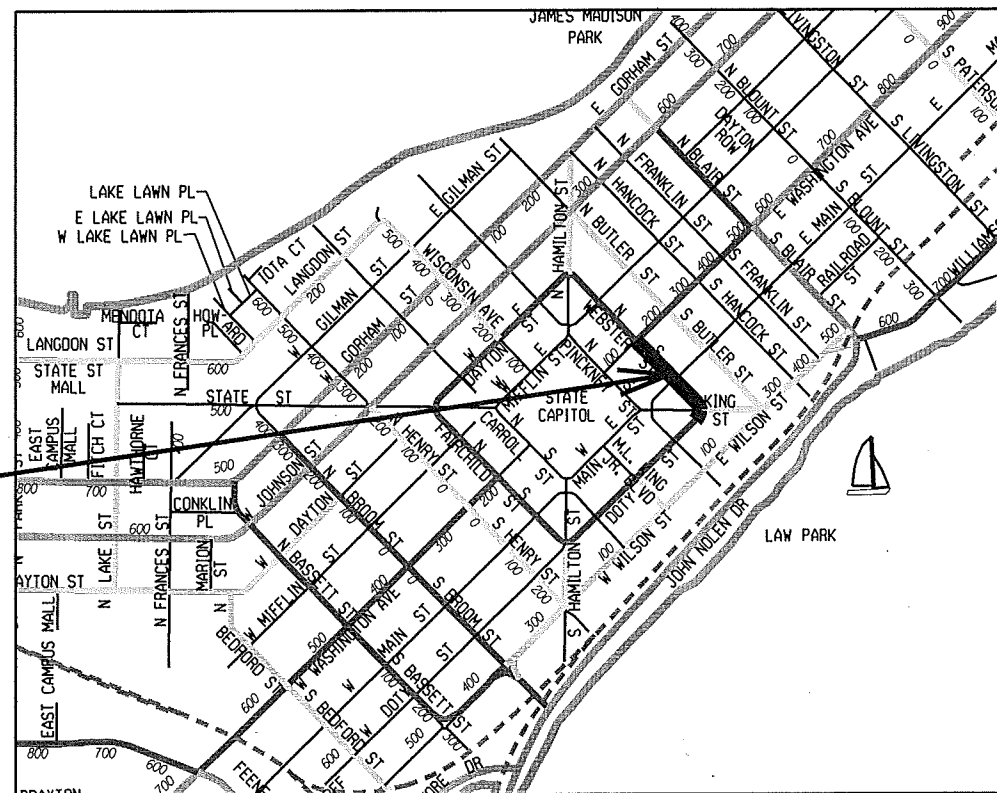
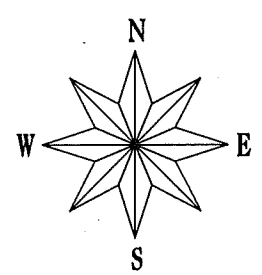
WATER DESIGNED BY:



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:

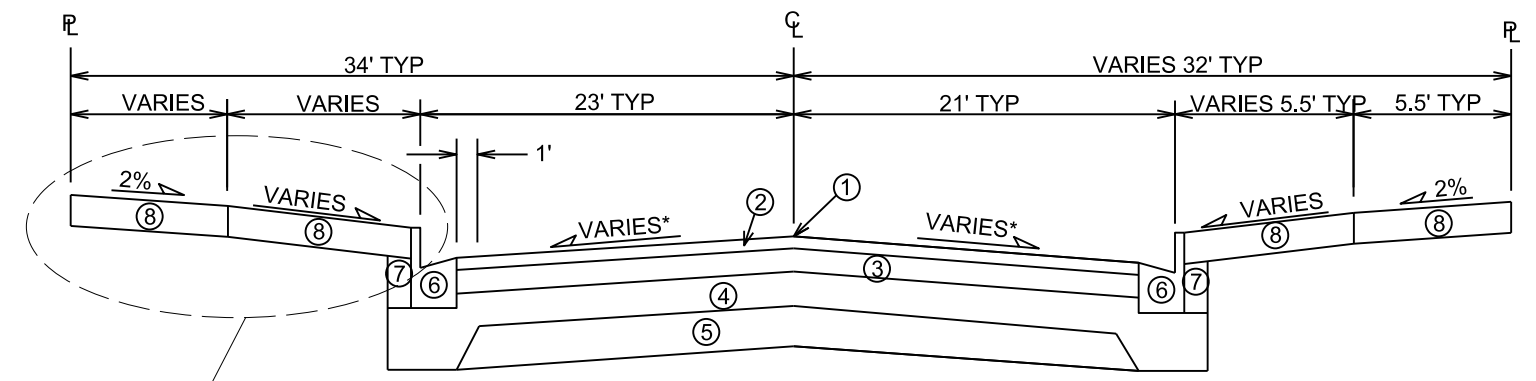
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

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



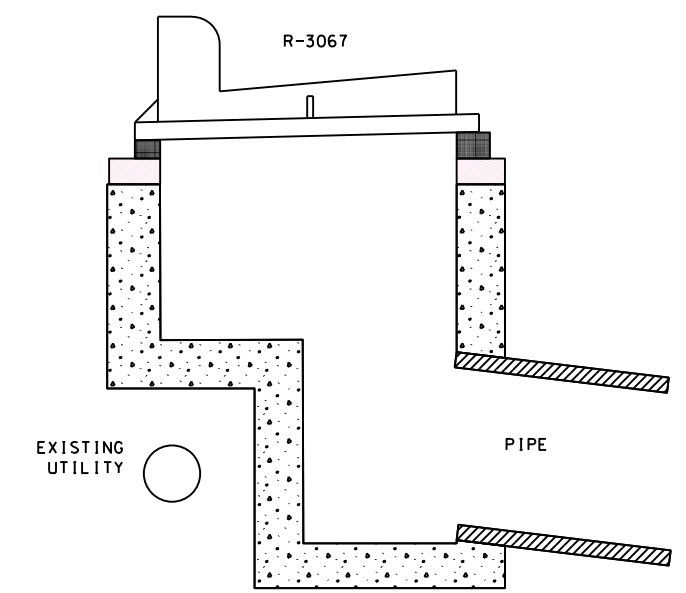
TYPICAL FINISHED SECTION  
S. WEBSTER ST.

- 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.

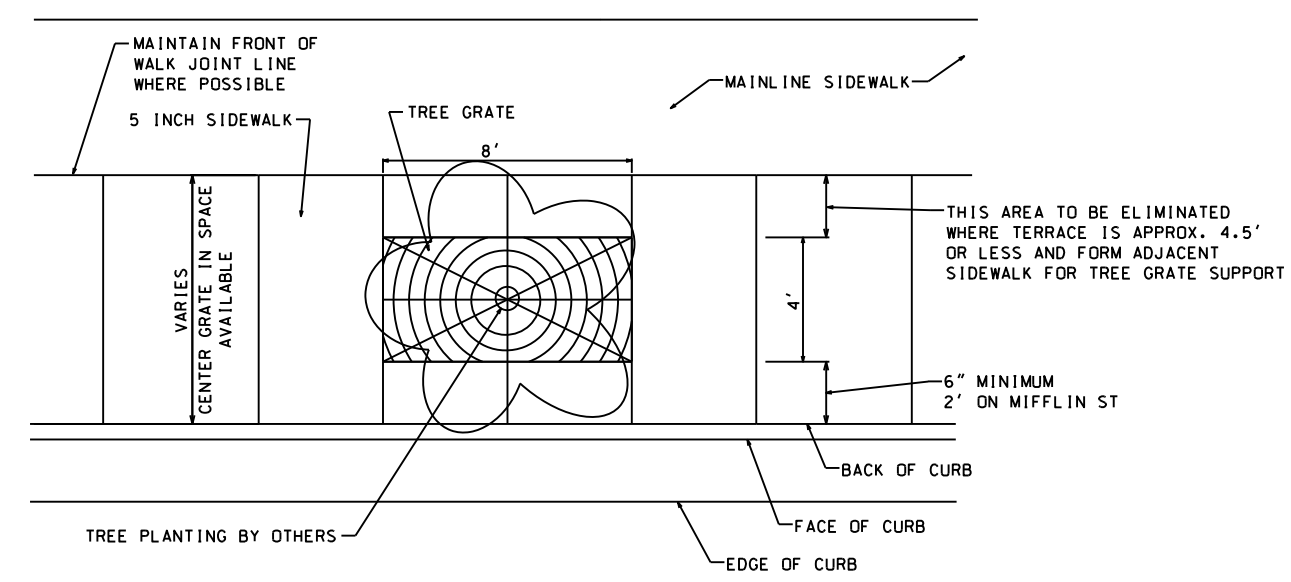
TYPICAL SECTION NOT TO SCALE

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



INSTALL NO. 4 EPOXY COATED BARS LONGITUDINALLY WHEN CONCRETE BETWEEN GRATE AND EXISTING CONCRETE TO REMAIN IS LESS THAN 1'

EXISTING CONCRETE TO REMAIN (SIDEWALK OR CURB)

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

NOTES:

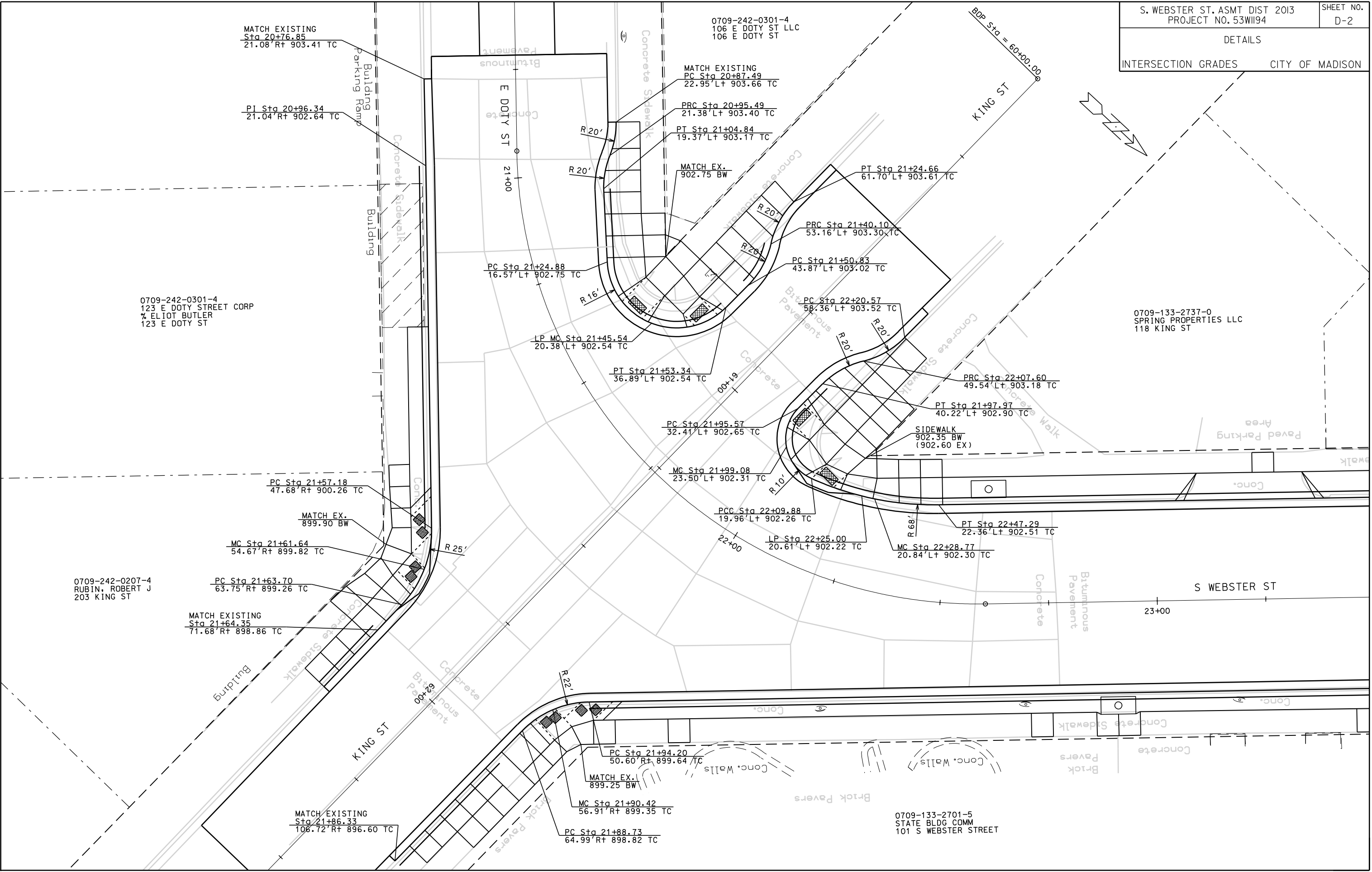
1. TREE GRATE LOCATIONS TO BE VERIFIED WITH ENGINEER
2. WHEN MATURE TREE IS OFF CENTER. VERIFY WITH ENGINEER TO DETERMINE EXPOSED AGGREGATE LIMITS & OPENING LOCATION
3. VERIFY JOINT PATTERN WITH ENGINEER
4. REFER TO S.D.D. 2.02 FOR BACKFILL DETAILS

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

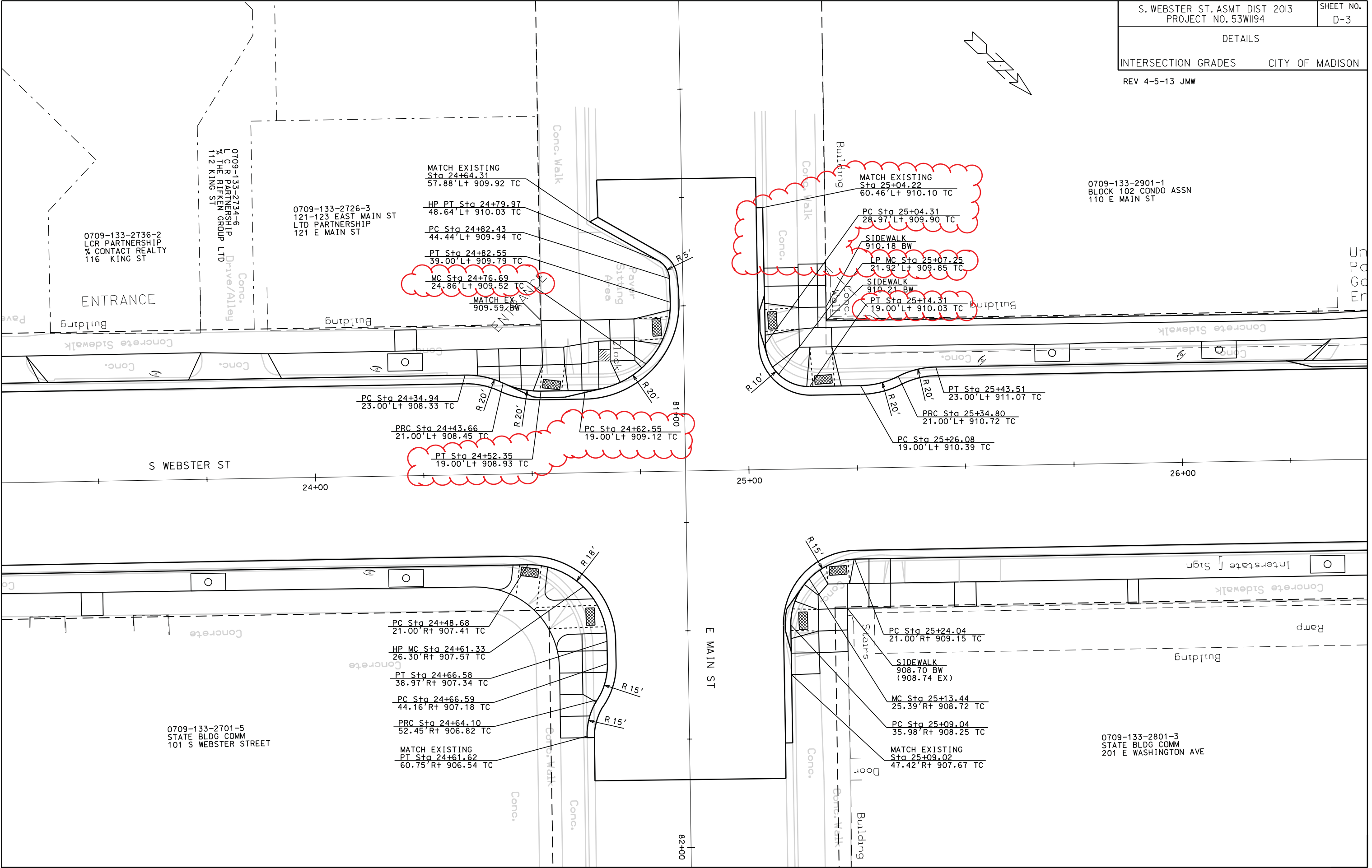


PLOT SCALE: .....

PLOT NAME: .....

REV. DATE: .....

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



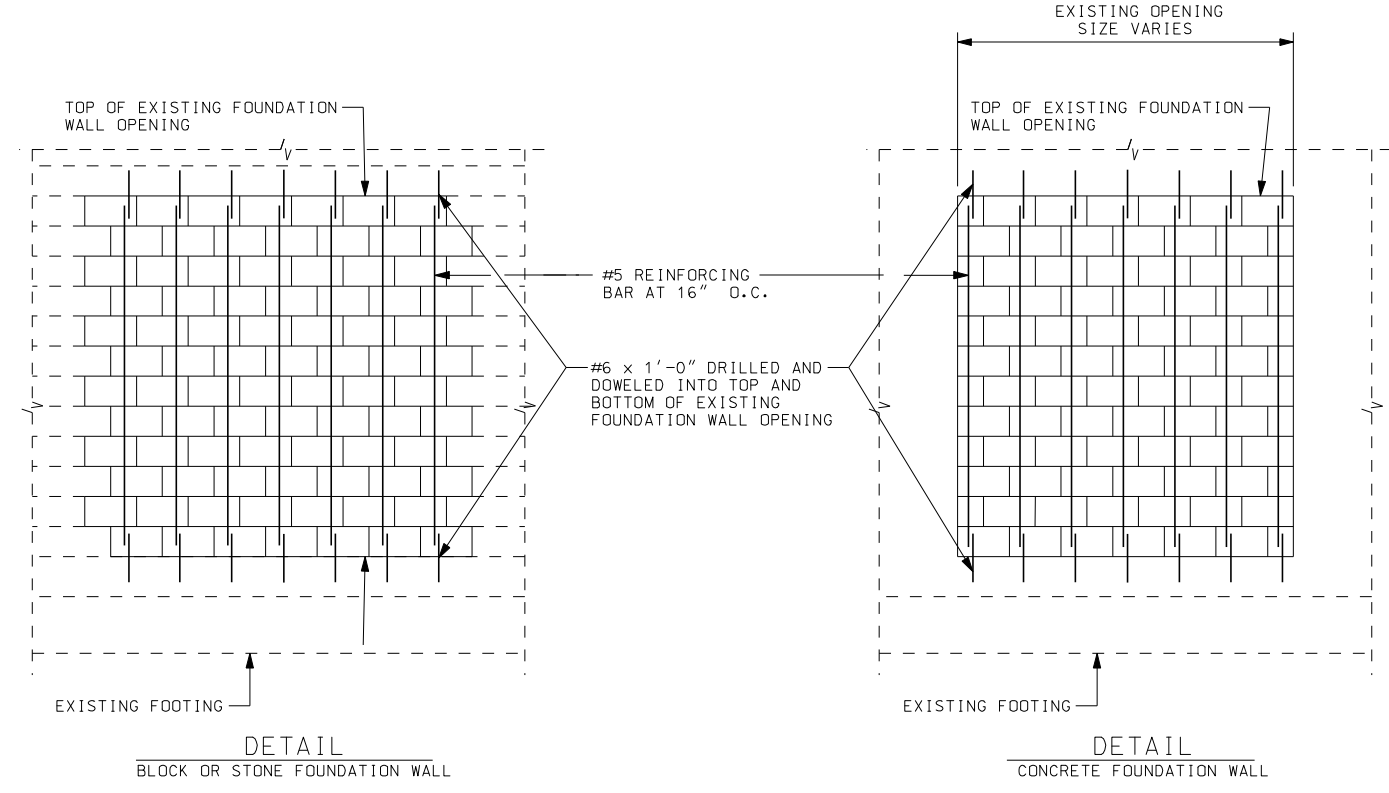
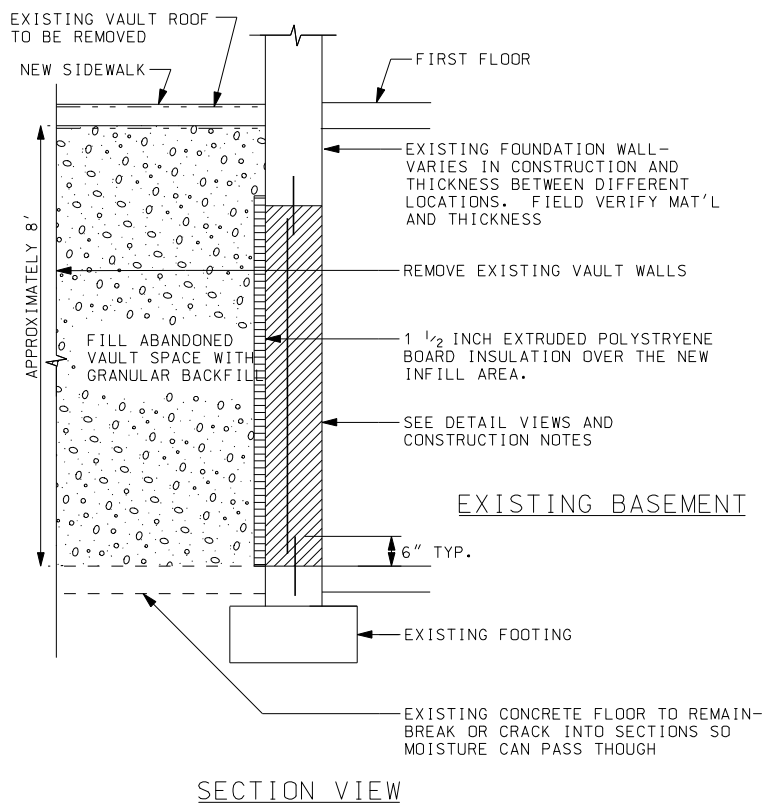
PLOT SCALE: .....  
 PLOT NAME: .....  
 REV. DATE: .....

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DETAILS

ABANDON VAULT CITY OF MADISON

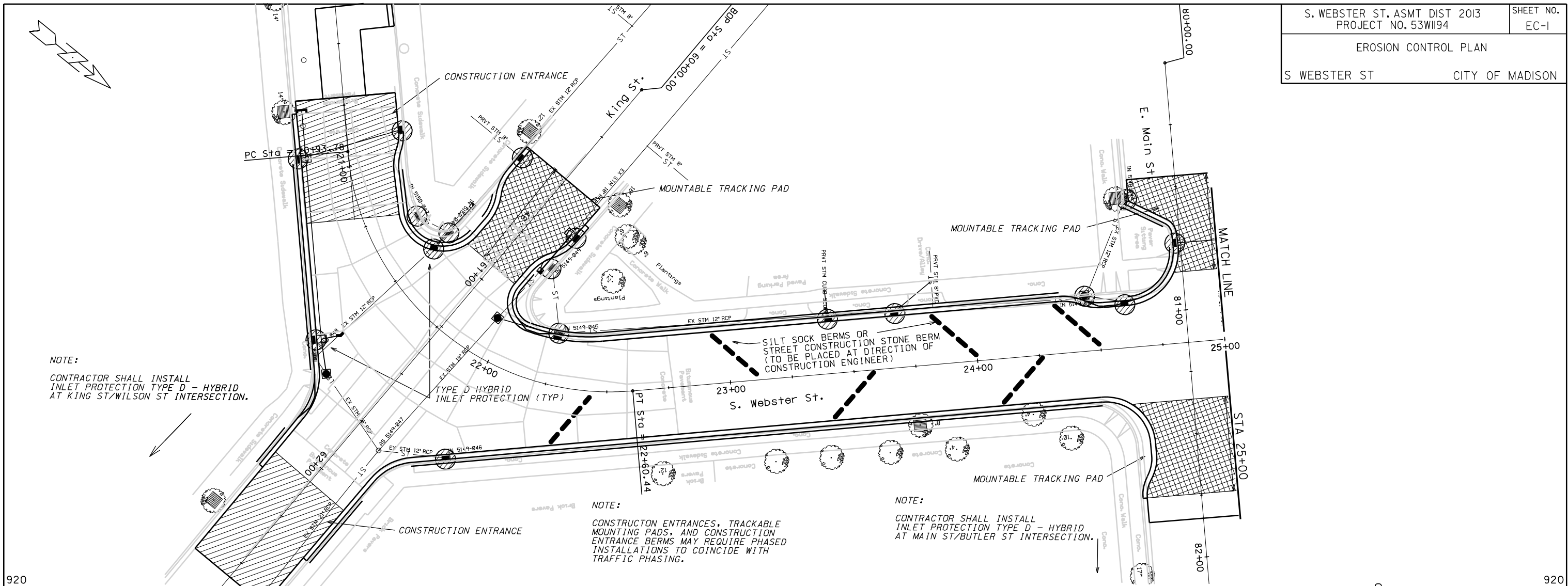
(UNDISTRIBUTED) ABANDONED VAULT & VAULT WALL DETAIL



- 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: .....

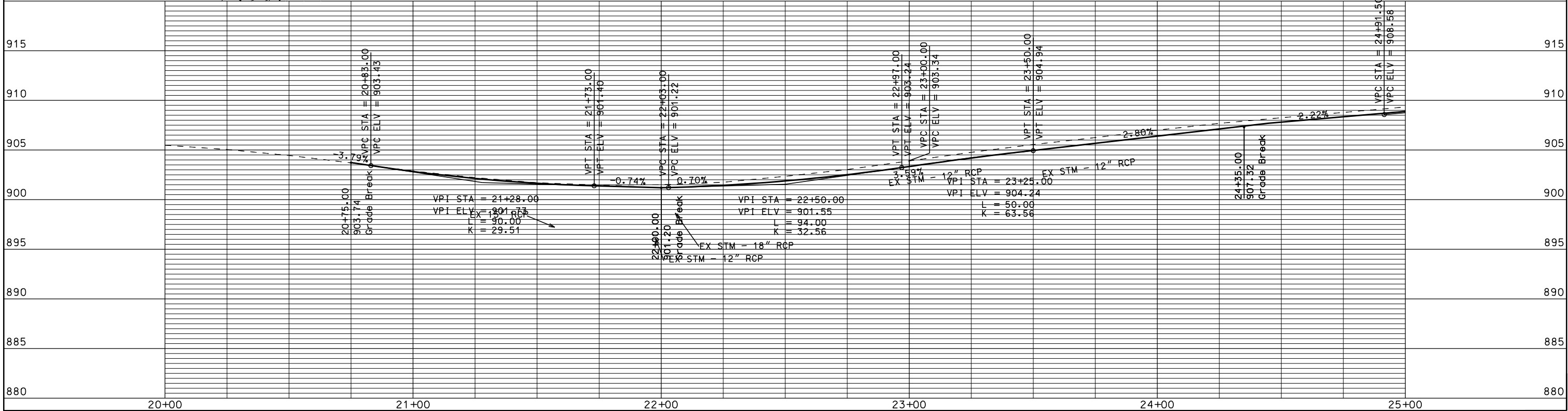
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

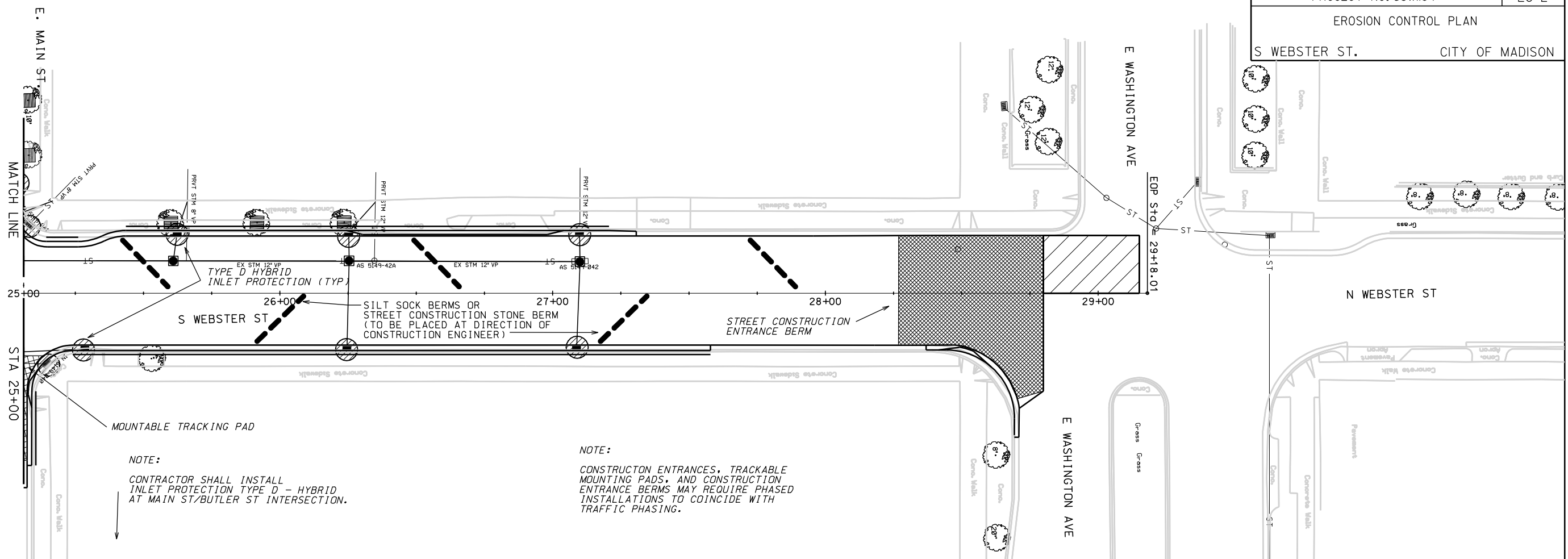


NOTE:  
CONTRACTOR SHALL INSTALL  
INLET PROTECTION TYPE D - HYBRID  
AT KING ST/WILSON ST INTERSECTION.

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

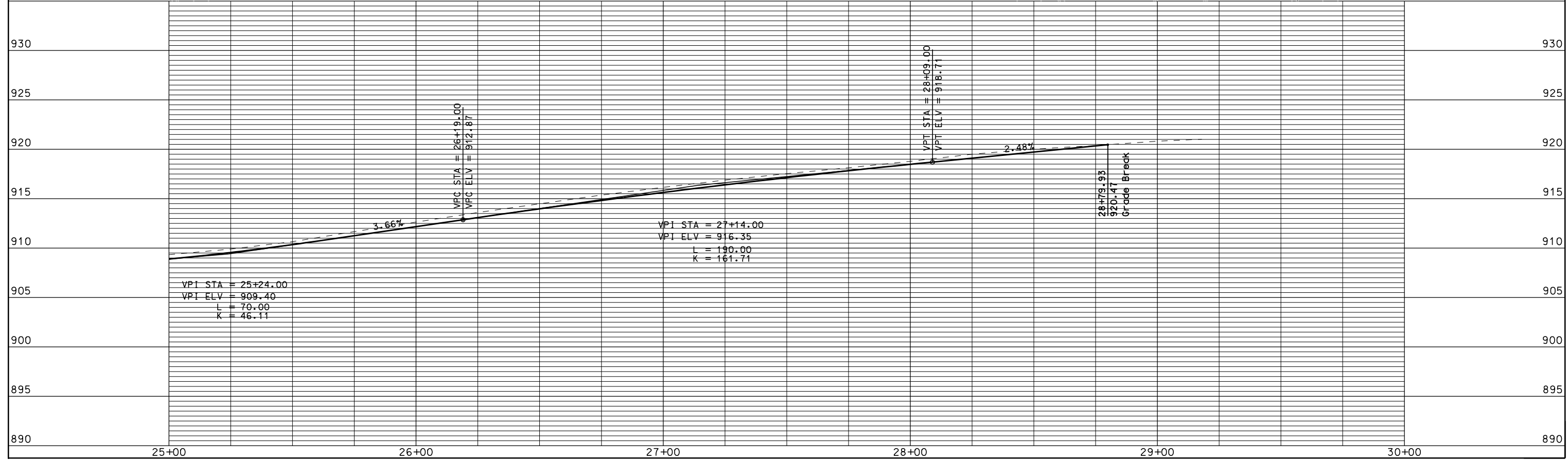
NOTE:  
CONTRACTOR SHALL INSTALL  
INLET PROTECTION TYPE D - HYBRID  
AT MAIN ST/BUTLER ST INTERSECTION.





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

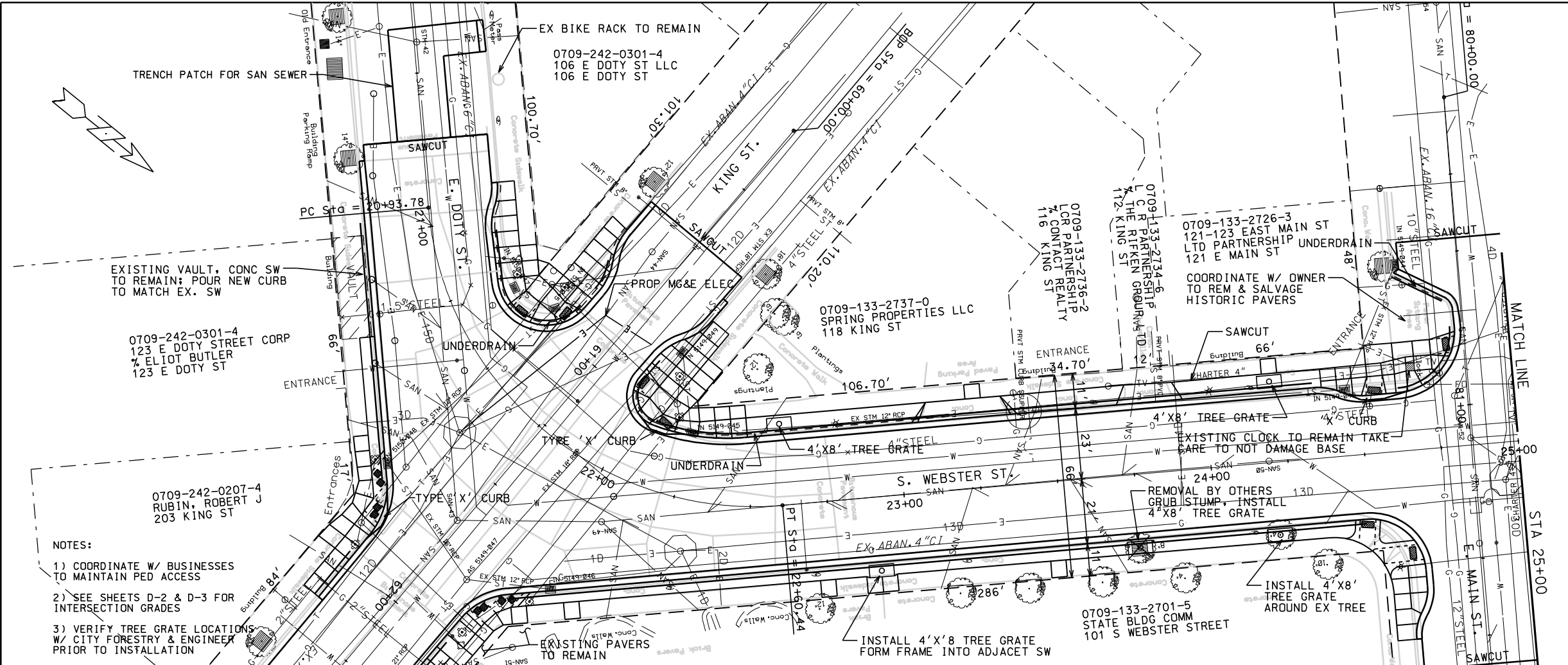
NOTE:  
CONSTRUCTION ENTRANCES, TRACKABLE  
MOUNTING PADS, AND CONSTRUCTION  
ENTRANCE BERMS MAY REQUIRE PHASED  
INSTALLATIONS TO COINCIDE WITH  
TRAFFIC PHASING.



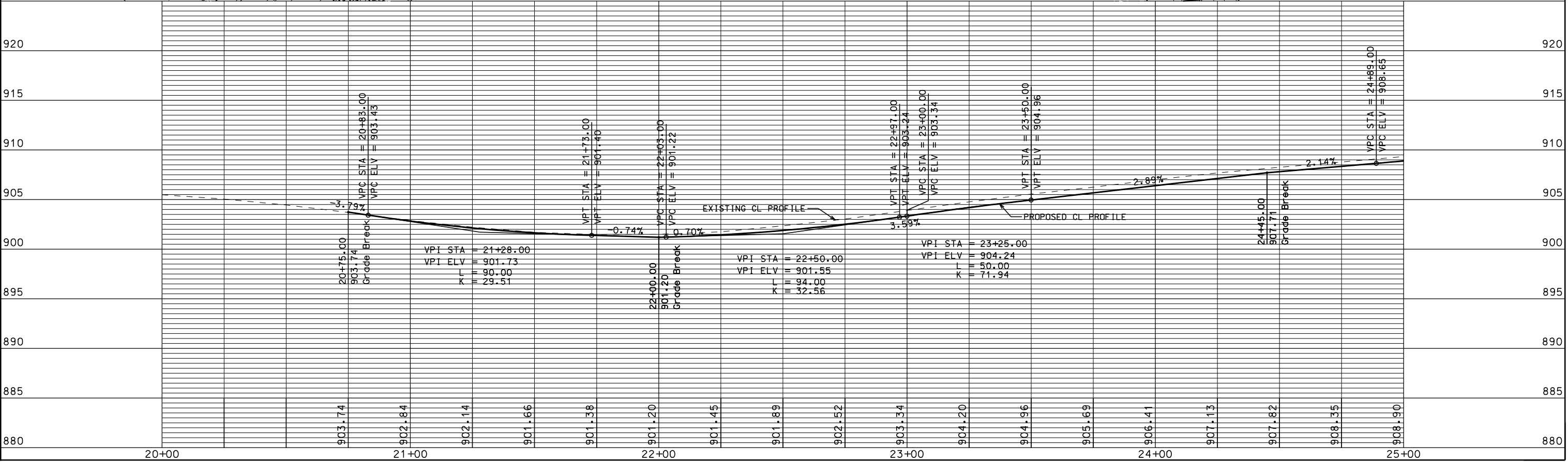
PLOT SCALE: 1" = 40'

PLOT NAME: S WEBSTER ST

REV. DATE: 2/12/2013



- 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



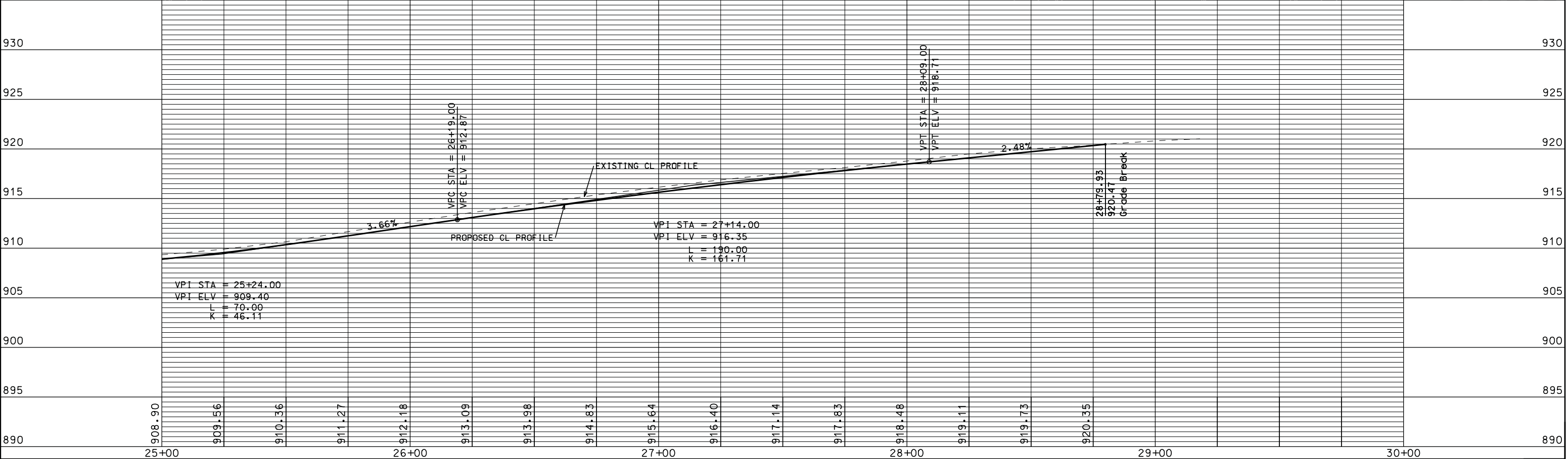
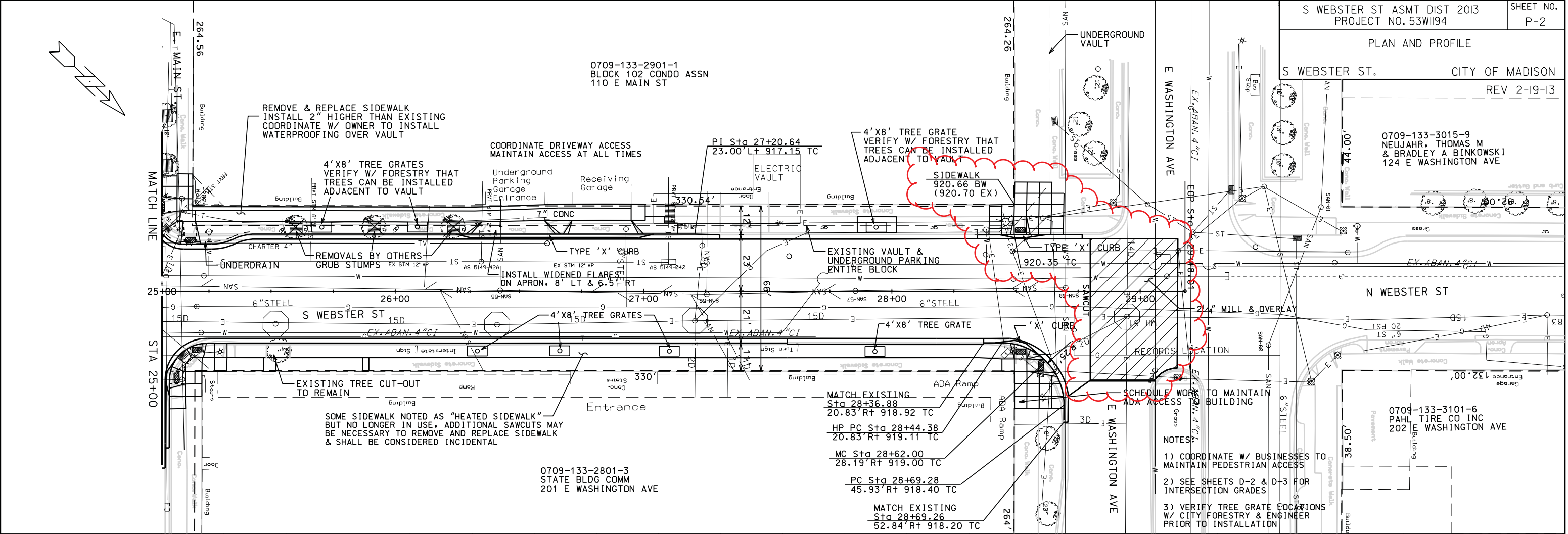
PLOT SCALE: 1" = 40'

PLOT NAME: S. WEBSTER ST

REV. DATE: 2/11/2013

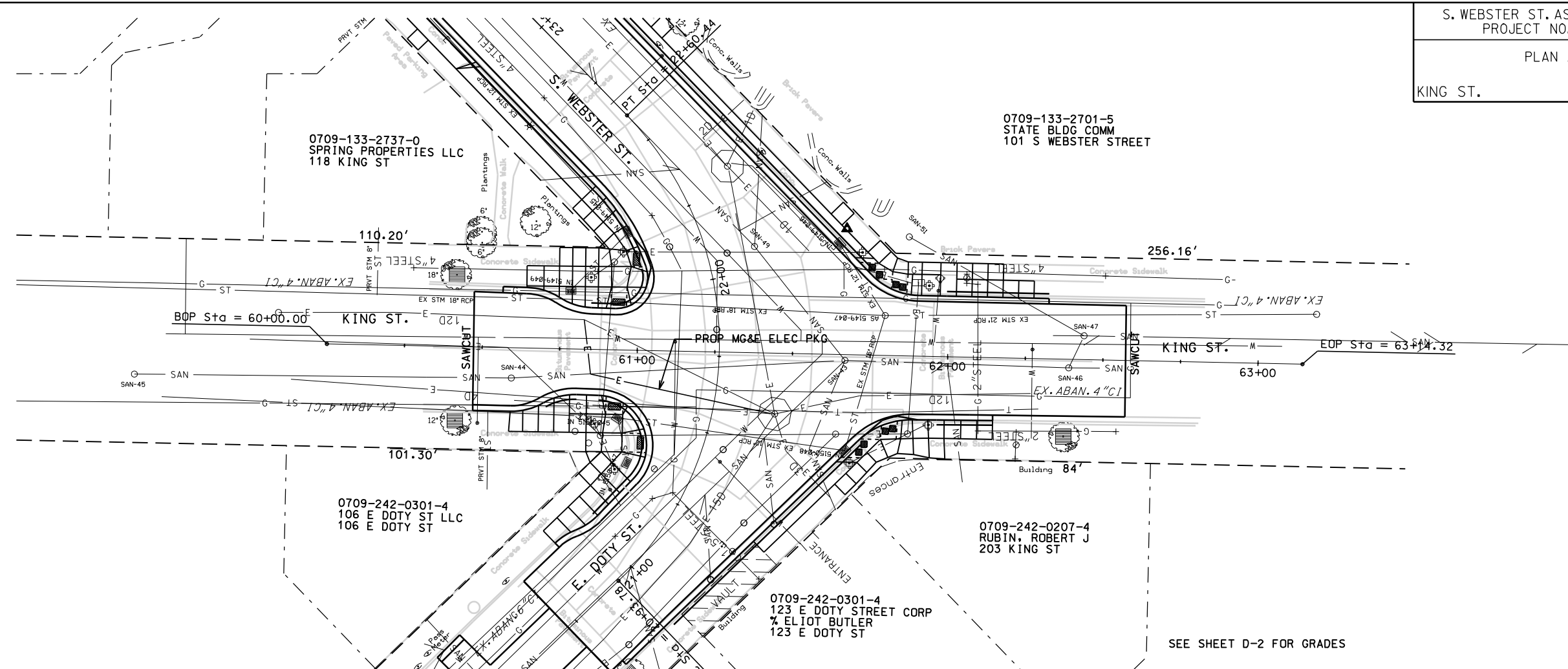
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



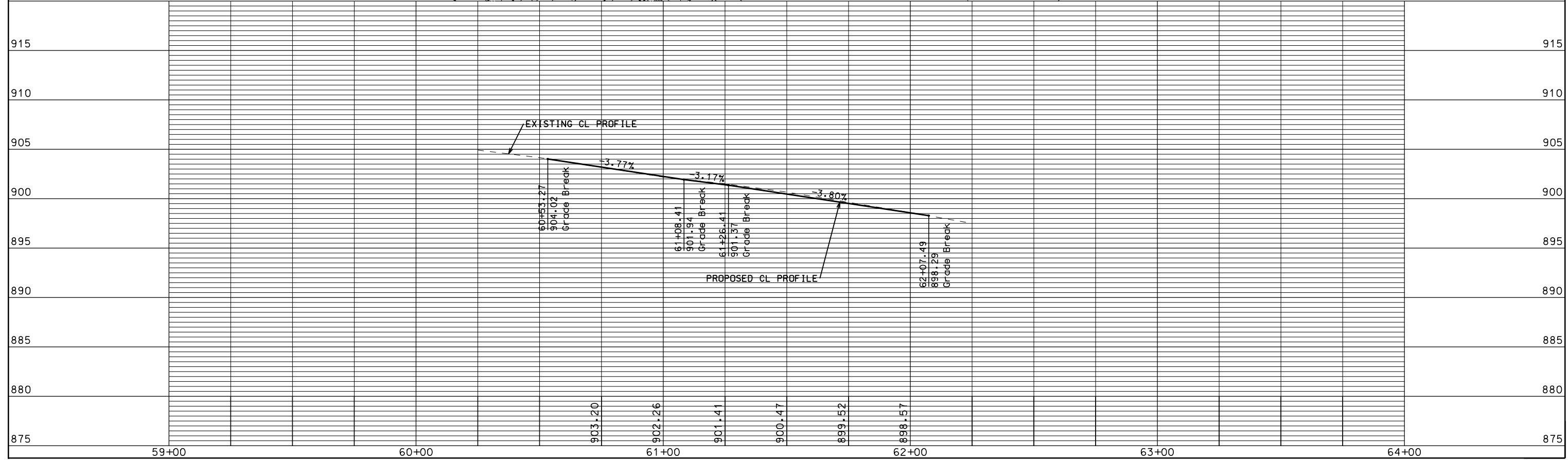


ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. DATE: PLOT NAME: PLOT SCALE:



SEE SHEET D-2 FOR GRADES



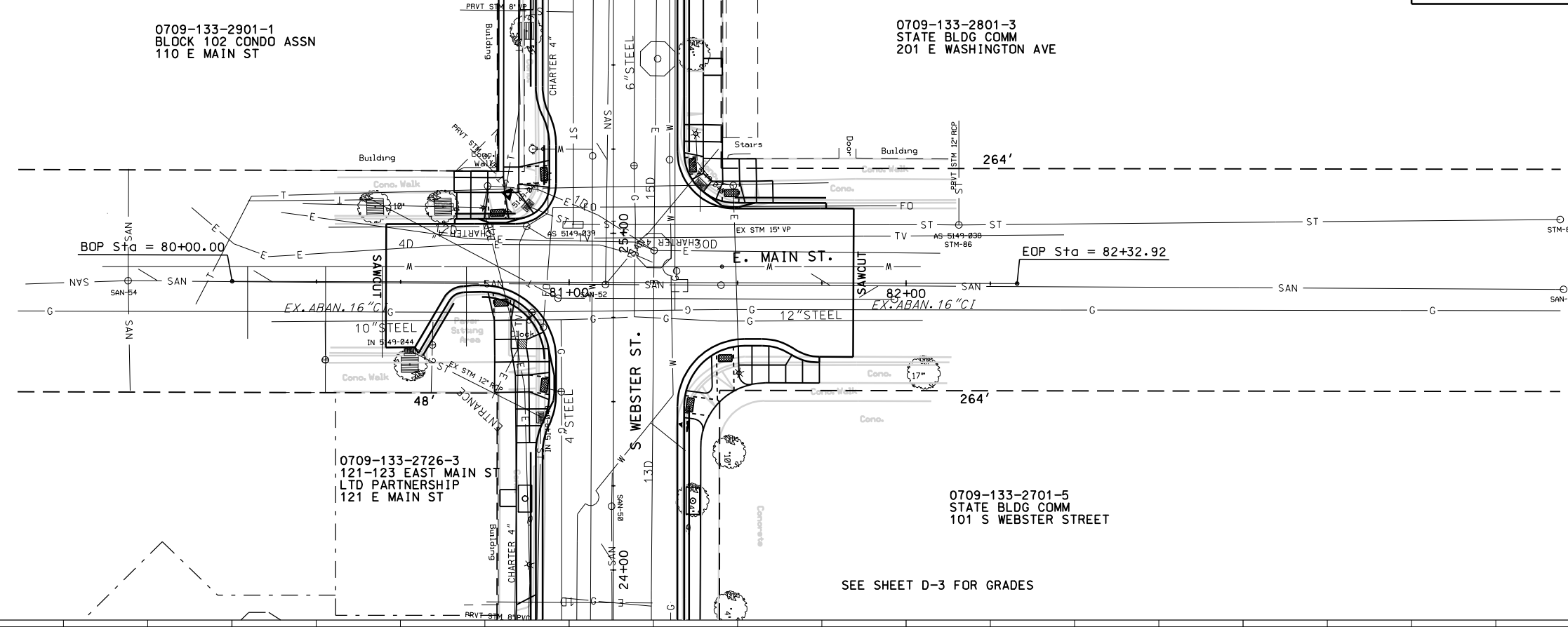
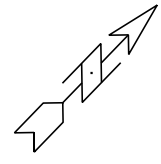
PLOT SCALE: .....

PLOT NAME: .....

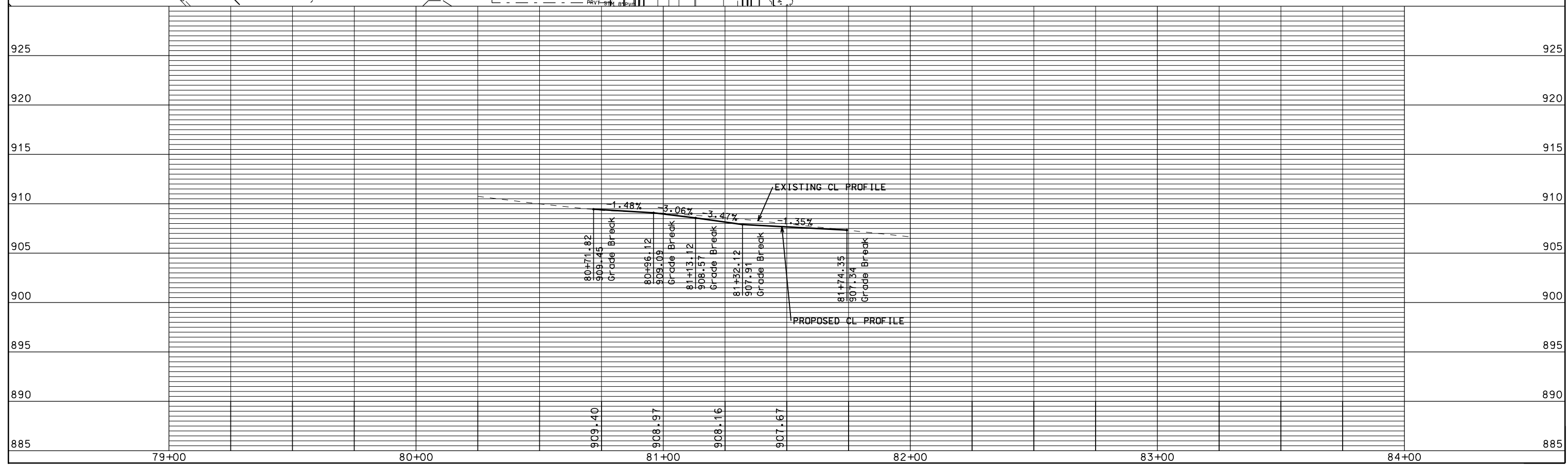
REV. DATE: .....

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE  
E. MAIN ST. CITY OF MADISON



SEE SHEET D-3 FOR GRADES

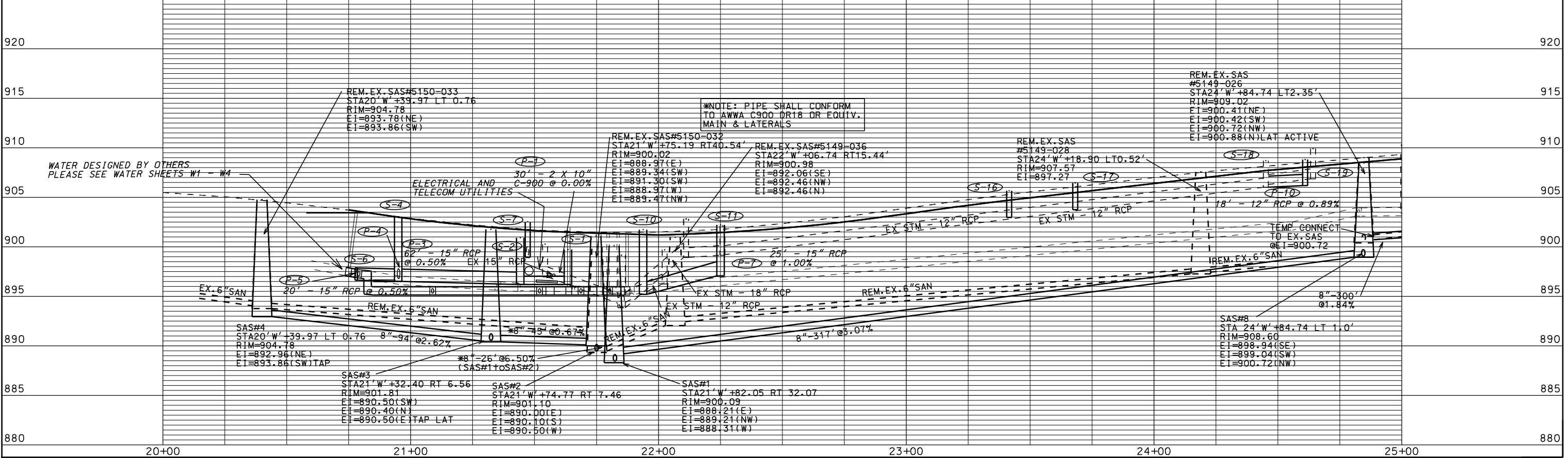
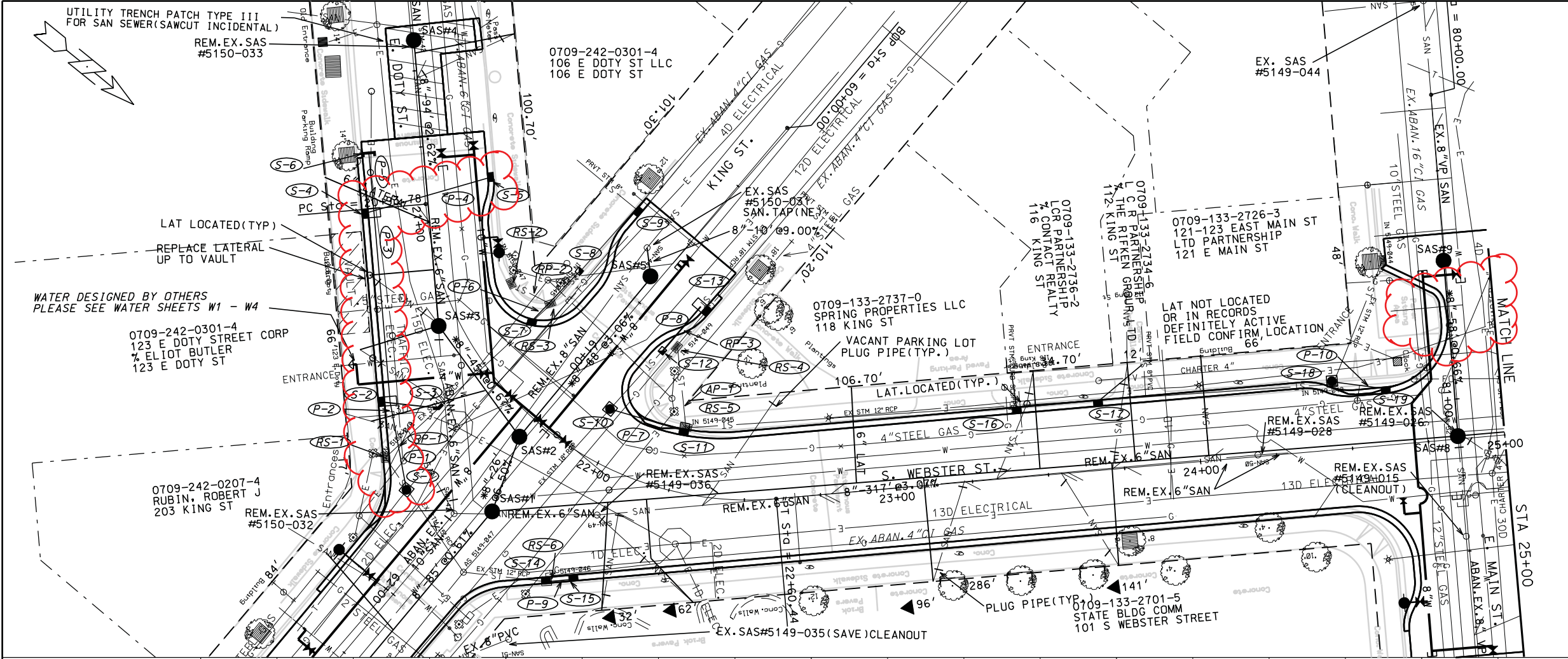


PLOT SCALE: .....

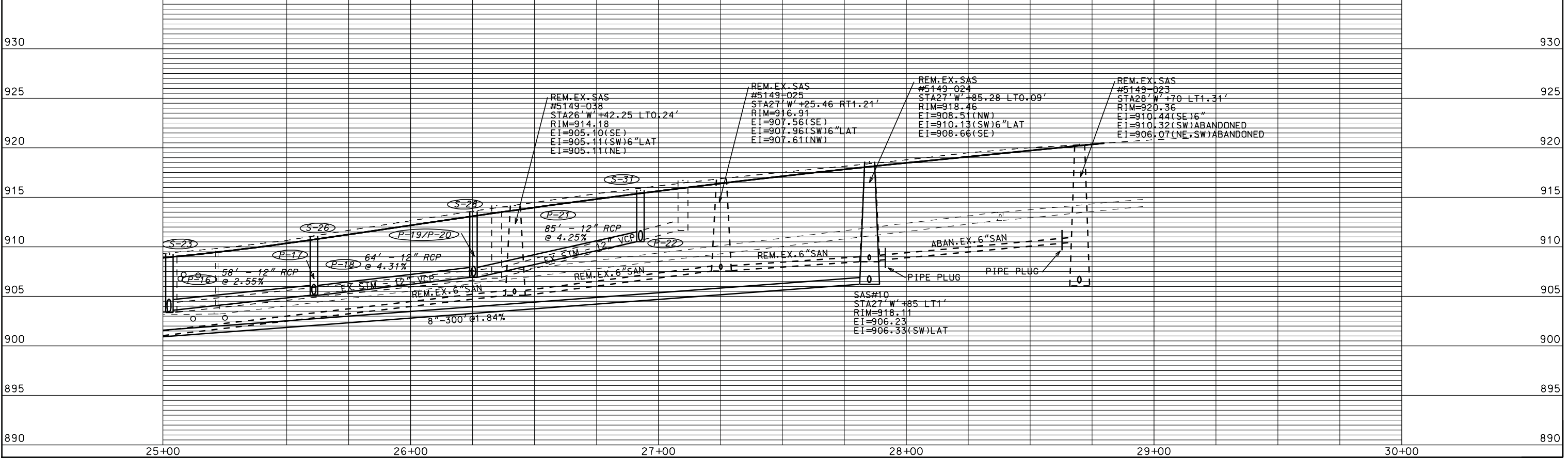
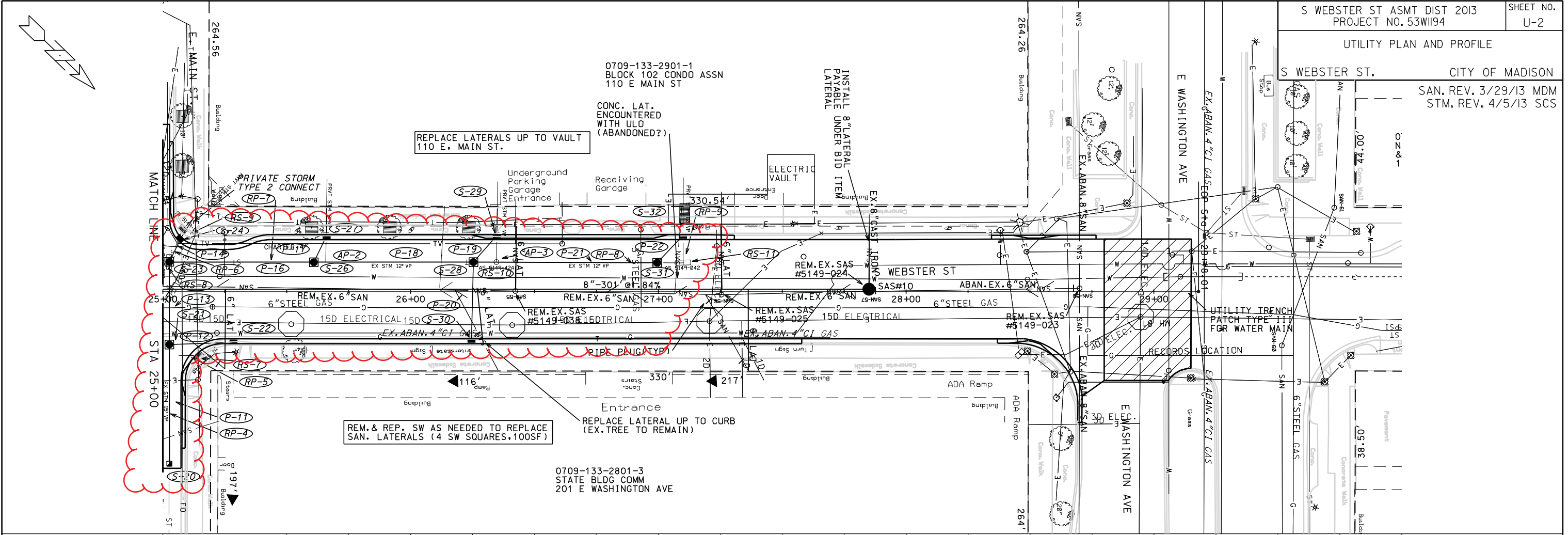
PLOT NAME: .....

REV. DATE: .....

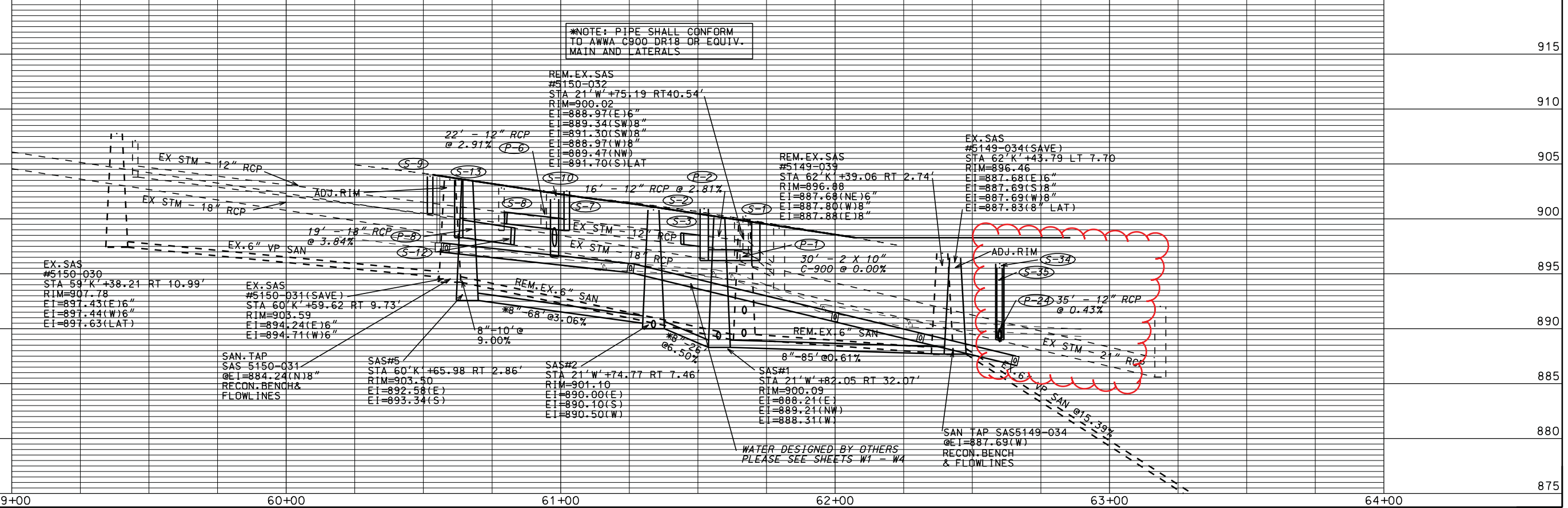
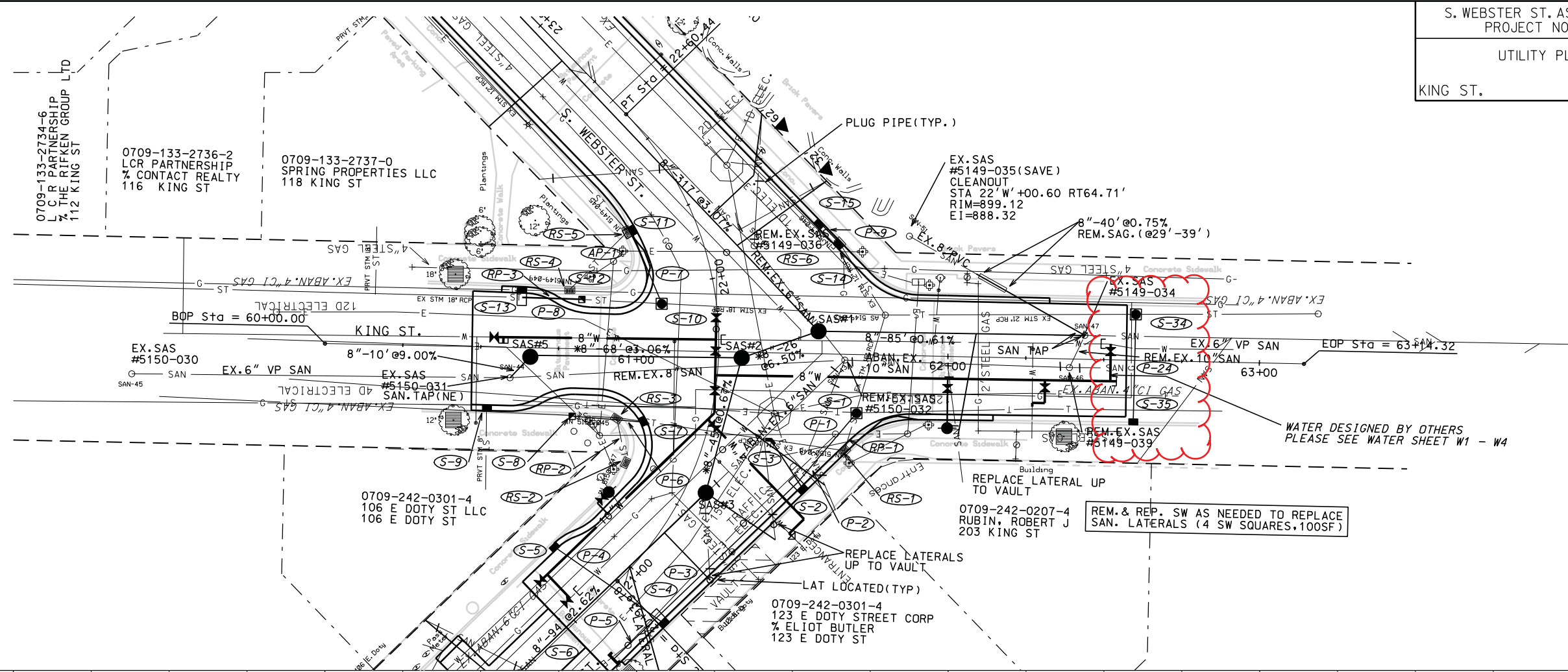
ORIGINATOR: CITY\_OF\_MADISON\_STREETS\_DIVISION



ORIGINATOR: CITY OF MADISON, STREETS DIVISION



ORIGINATOR: CITY OF MADISON, STREETS DIVISION



\*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  
EI=888.97(E) 6"  
EI=889.34(SW) 8"  
EI=891.30(SW) 8"  
EI=888.97(W) 8"  
EI=889.47(NW)  
EI=891.70(S) LAT

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

EX. SAS #5149-034(SAVE)  
STA 62' K +43.79 LT 7.70'  
RIM=896.46  
EI=887.68(E) 6"  
EI=887.69(S) 8"  
EI=887.69(W) 8"  
EI=887.83(E) LAT

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

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

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

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

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

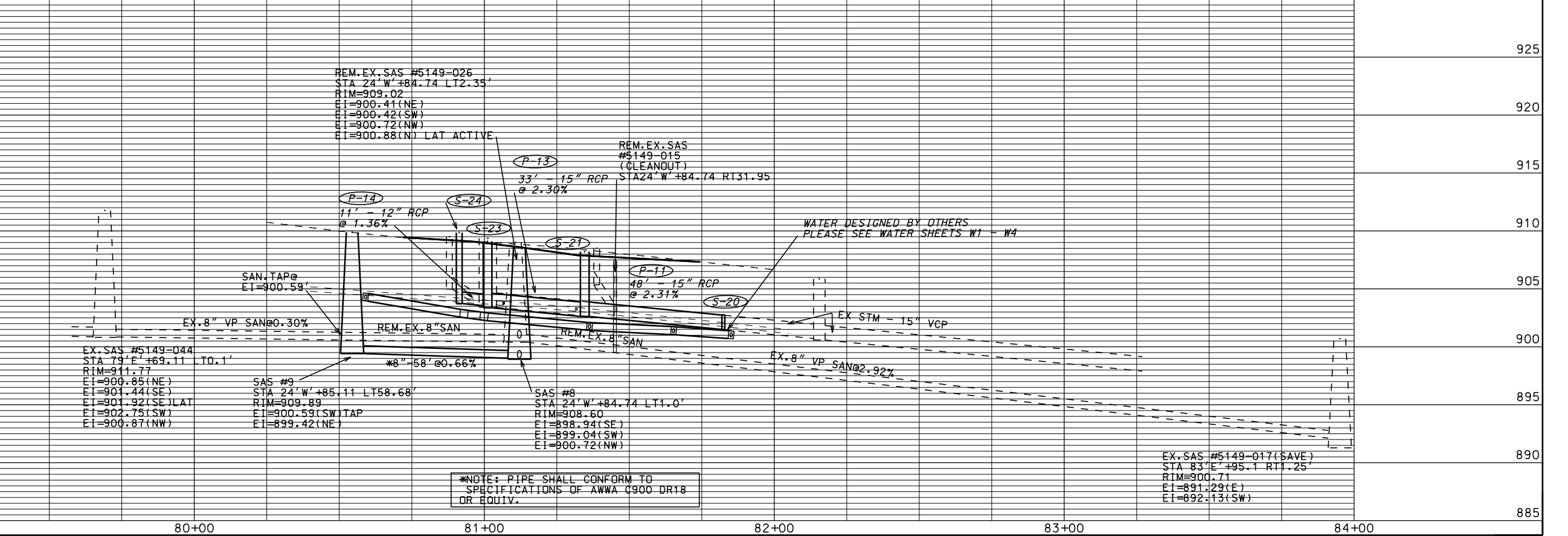
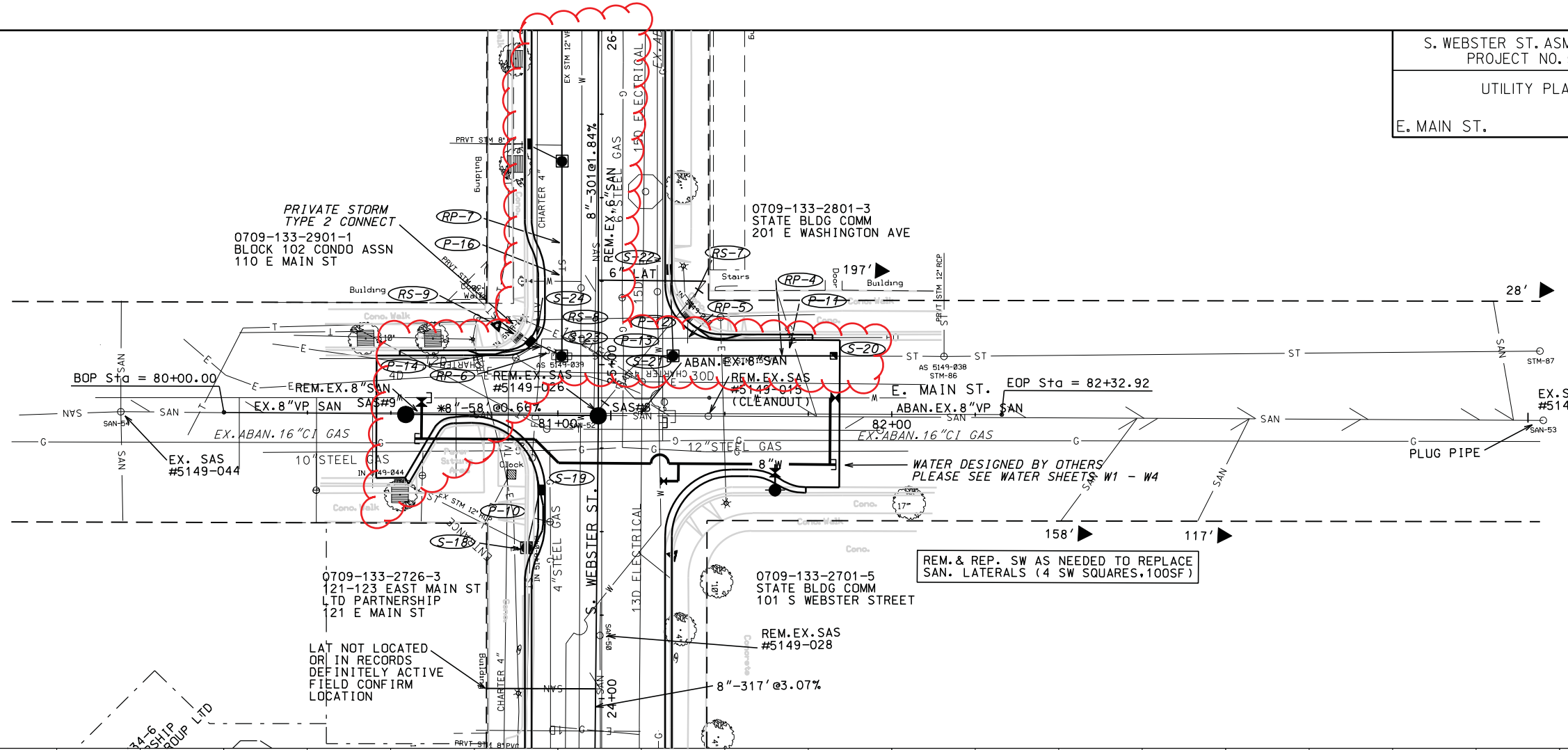
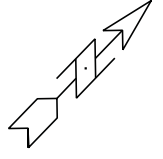
SAS#1 STA 21' W +82.05 RT 32.07'  
RIM=900.09  
EI=888.21(E)  
EI=889.21(NW)  
EI=888.31(W)

SAN TAP SAS 5149-034 @ EI=887.69(W) RECON. BENCH & FLOW LINES

WATER DESIGNED BY OTHERS PLEASE SEE SHEETS W1 - W4

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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



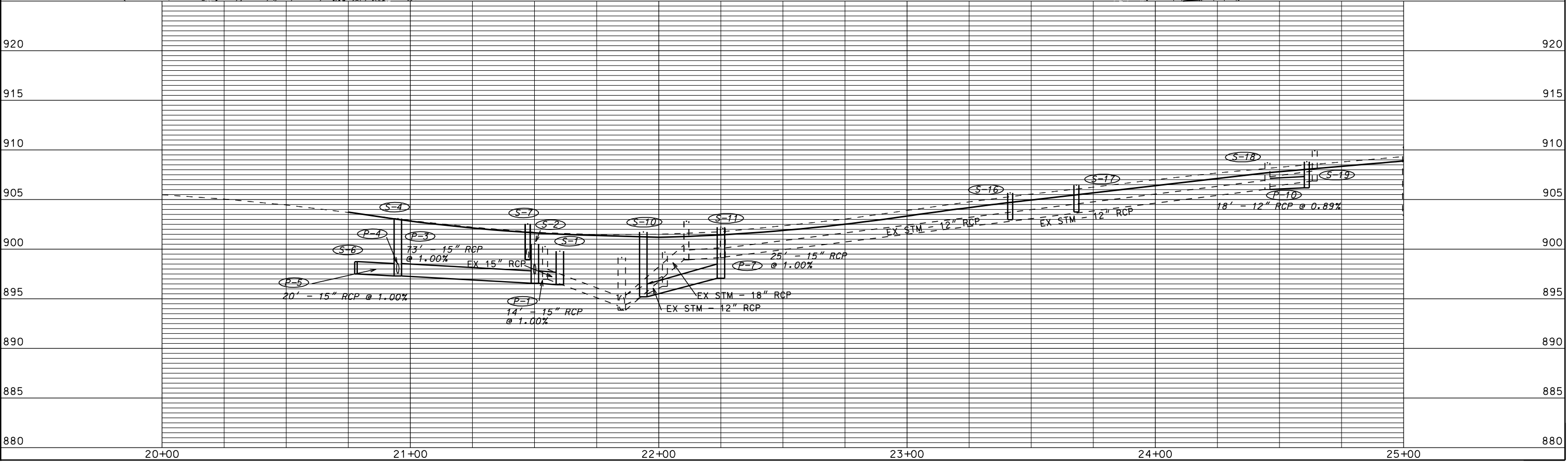
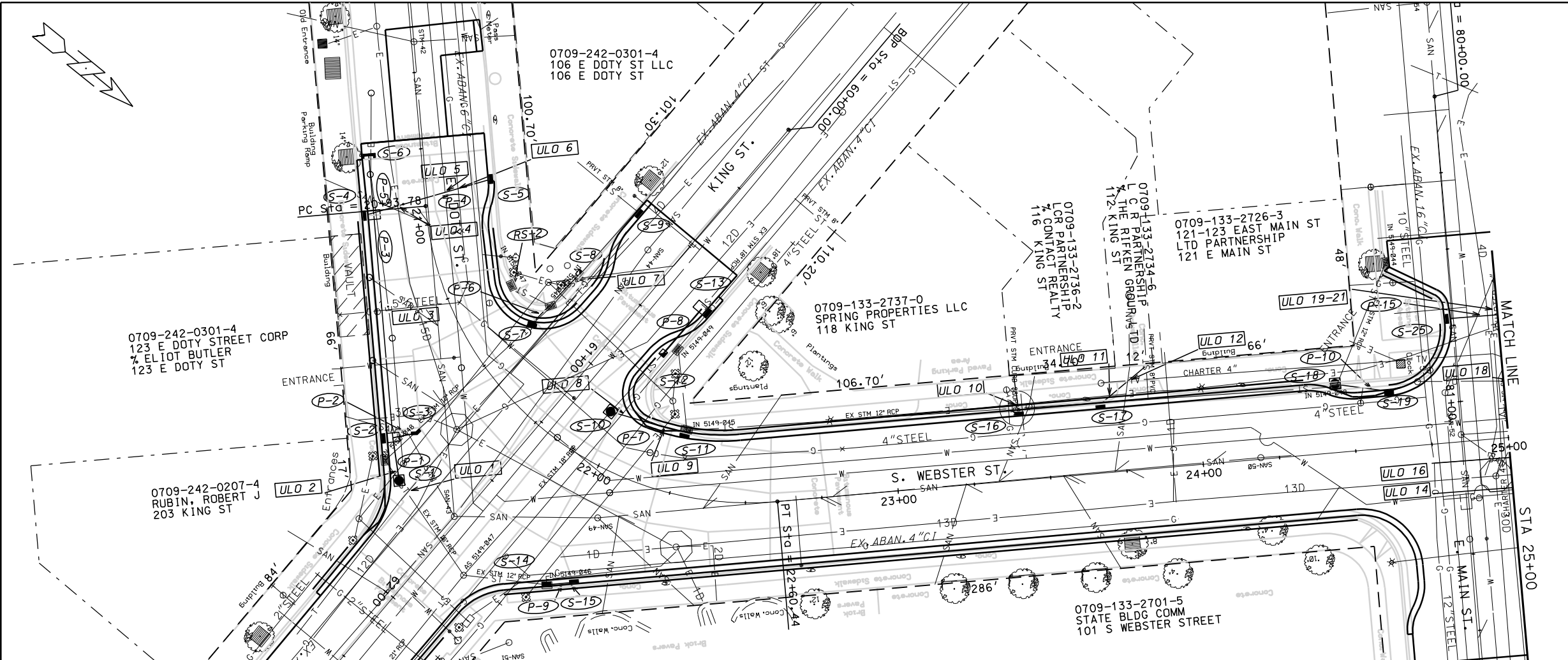
\*NOTE: PIPE SHALL CONFORM TO SPECIFICATIONS OF AWWA C900 DR18 OR EQUIV.

EX. SAS #5149-017 (SAVE)  
STA 83'E' +95.1 RT 1.25'  
RIM=900.71  
EI=891.29(E)  
EI=892.13(SW)

PLOT SCALE: .....

PLOT NAME: .....

REV. DATE: .....



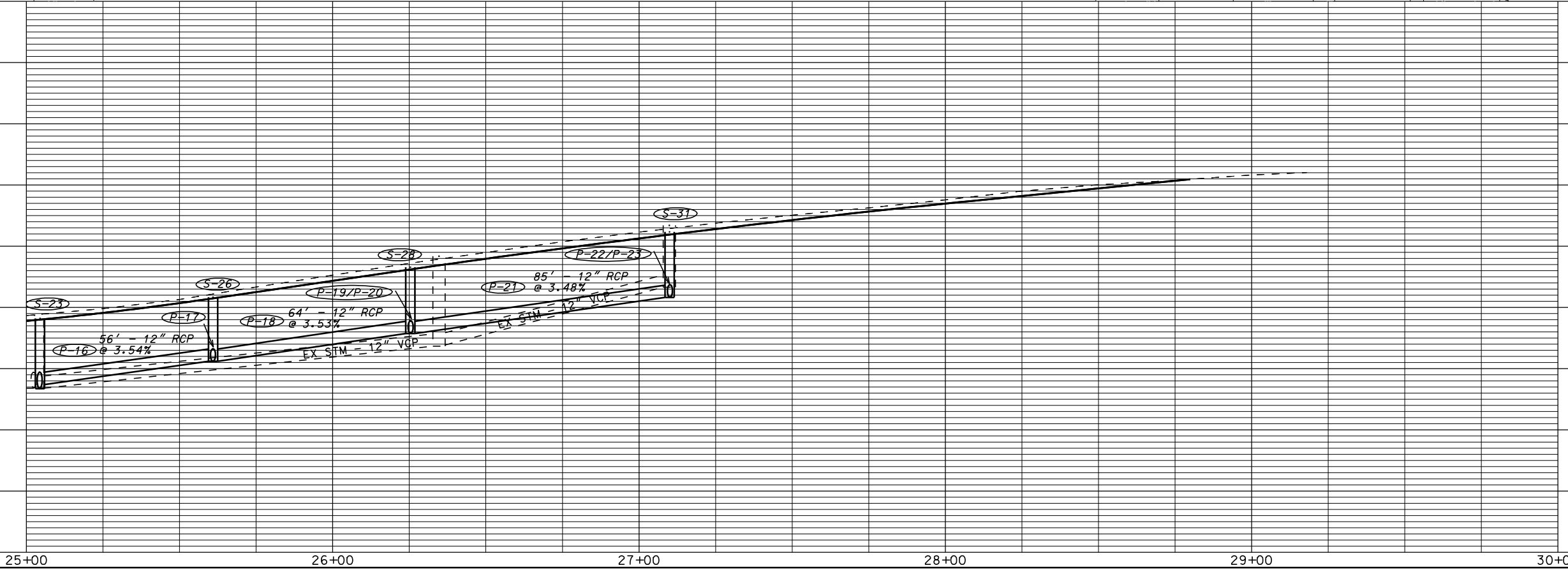
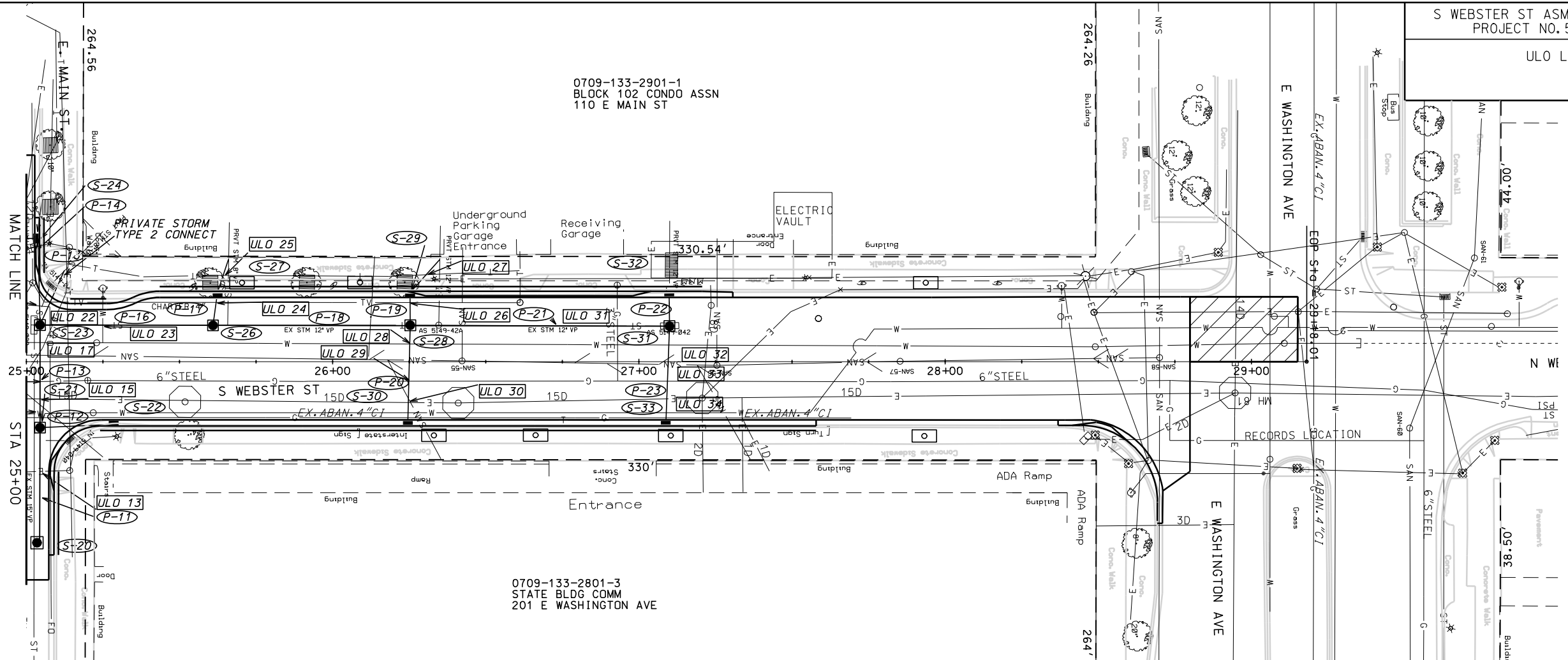
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: PLOT NAME: REV. DATE:



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  
\*\* REV. 4/25/13 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              |
| ** S-34    | 62'KS'+60.04 | LT-14.77          | 3X3 SAS         | 895.12         | 889.00 | 6.12  | FP, W/R-1550-0054            |
| ** S-35    | 62'KS'+59.93 | RT-20.26          | H INLET         | 895.57         | 889.15 | 6.42  | (10), W/R-3067-7000-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   |                 |
| ** P-24  | S-34         | S-35       | 35.03     | 889.00      | 889.15     | 0.43%     | 12"       | RCP   | NCM             |

## 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
- STATIONING IS TO CENTER OF STRUCTURE, ELEVATION IS TO FLOWLINE.

## 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<br>REMOVAL NO. | STRUC.<br>ID NO. | STATION      | LOCATION<br>(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<br>REMOVAL NO. | REMOVE<br>FROM | REMOVE<br>TO | LENGTH<br>(FT) | PAID<br>(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.<br>NO. | STATION      | LOCATION<br>(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<br>ABANDONMENT NO. | ABANDON<br>FROM | ABANDON<br>TO | LENGTH<br>(FT) | PAID<br>(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

**ALIGNMENT CODES:**

ALL STATIONING REFERENCED TO WEBSTER STREET ALIGNMENT

S. WEBSTER ST ASSMT DIST. 2013

SHEET NO.

PROJECT NO. 53W1194

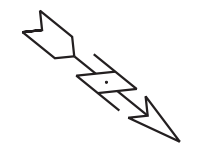
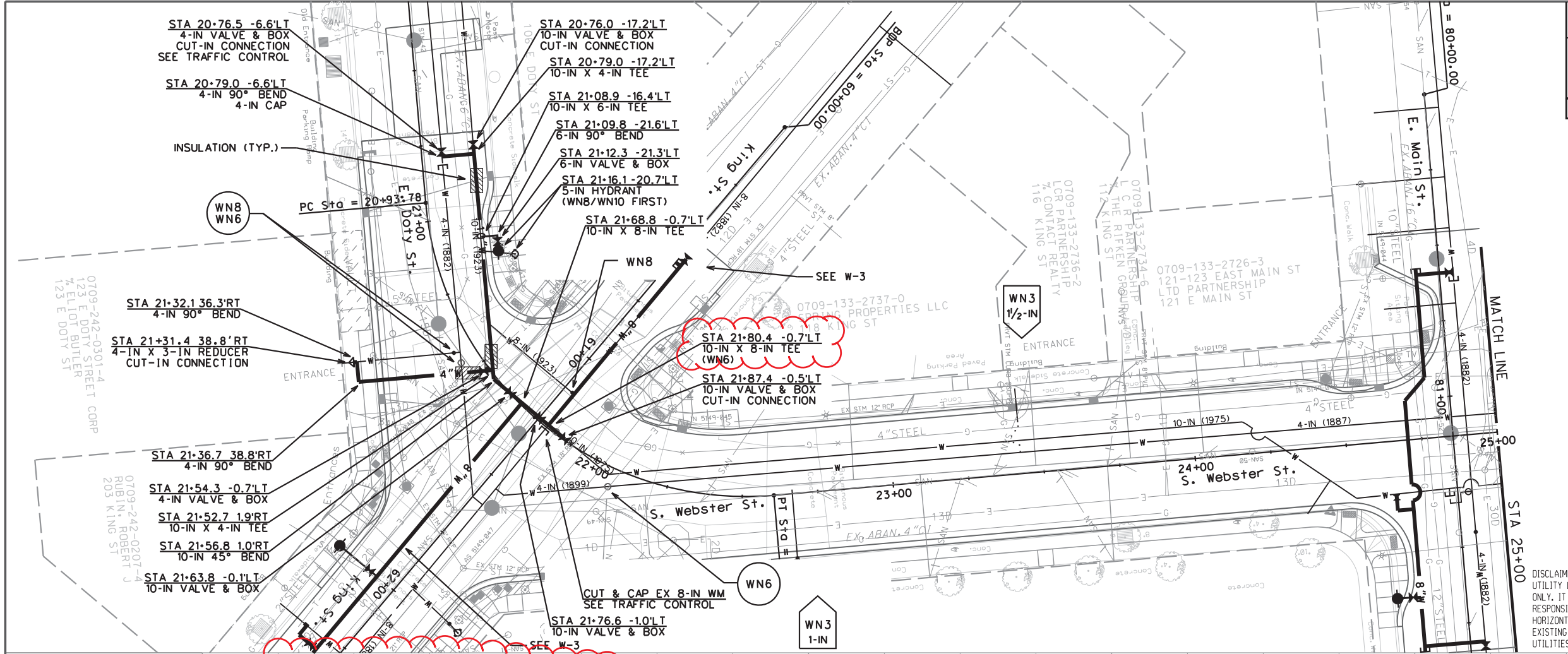
U-10

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<br>PIPE WILL NOT CROSS                              |
| ULO1B         | 21+65.7        | RT-45.20          | 895.11 | TELE    | BOTTOM OF CONC DUCT<br>PIPE WILL NOT CROSS                           |
| ULO 1AA       | 21+53.3        | RT-37.60          | 896.94 | TV      | 4"<br>PIPE WILL BE LIFTED BY CHARTER                                 |
| ULO1AB        | 21+53.0        | RT-37.70          | 896.97 | TV      | 4"<br>PIPE WILL BE LIFTED BY CHARTER                                 |
| ULO1AC        | 21+53.5        | RT-36.90          | 897.15 | TELE    | 3"<br>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<br>TOP OF STORM: 897.12                          |
| ULO3A         | 21+21.7        | RT-20.10          | 899.26 | GAS     | 2"<br>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<br>TOP OF STORM: 897.99                          |
| ULO5A         | 20+88.0        | LT-6.40           | 898.36 | WATER   | 6"<br>BOTTOM OF STORM: 896.8   |
| ULO6A         | 20+88.2        | LT-10.50          | 900.34 | GAS     | 6"<br>TOP OF STORM: 898.5  |
| ULO8A         | 22+07.7        | LT-19.70          | 898.35 | GAS     | 4"<br>CONFLICT: GAS TO CUT WINDOW, BOTTOM OF STORM: 897.30           |
| ULO8AA        | 21+99.2        | LT-19.90          | 898.53 | GAS     | 6"<br>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<br>PRIVATE RECONNECT                                  |
| ULO13A        | 25+05.2        | RT-43.70          | 904.4  | FO      | 4"<br>TOP OF STORM: 903.56   |
| ULO13B        | 25+04.9        | RT-43.70          | 904.22 | FO      | 4"<br>""   |
| ULO13C        | 25+05.3        | RT-43.90          | 904.14 | FO      | 4"<br>""   |
| ULO14A        | 25+04.6        | RT-16.90          | 901.83 | WATER   | 10"<br>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<br>TOP OF STORM: 904.26                          |
| ULO16A        | 25+04.6        | RT-6.10           | 905.8  | GAS     | 8"<br>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<br>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<br>TOP OF STORM: 906.34                          |
| ULO25A        | 25+63.8        | LT-25.90          | 908.37 | FO      | 4"<br>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<br>TOP OF STORM: 908.69                          |
| ULO27A        | 26+26.7        | LT-26.70          | 911.56 | FO      | 4"<br>PRIVATE RECONNECT  |
| ULO28A        | 26+23.3        | LT-7.10           | 906.17 | WATER   | 8"<br>BOTTOM OF STORM: 906.77  |
| ULO28B        | 26+24.5        | LT-6.00           | 909.25 | ?       | 2"<br>TOP OF STORM: 908.12   |
| ULO29A        | 26+24.2        | RT-6.20           | 909.36 | GAS     | 8"<br>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<br>TOP OF STORM: 908.21                          |
| ULO31A        | 26+93.7        | LT-12.50          | 912.61 | GAS     | 4"<br>TOP OF STORM: 911.43   |
| ULO32A        | 27+09.5        | LT-8.30           | 908.88 | SAN LAT | 8"<br>ELIMINATED PIPE DUE TO CONFLICT                                |
| ULO32B        | 27+08.3        | LT-5.90           | 908.77 | SAN LAT | 8"<br>ELIMINATED PIPE DUE TO CONFLICT                                |
| ULO32C        | 27+08.9        | LT-5.20           | 910.99 | WATER   | 8"<br>ELIMINATED PIPE DUE TO CONFLICT                                |
| ULO33A        | 27+08.2        | RT-5.90           | 910.64 | GAS     | 8"<br>ELIMINATED PIPE DUE TO CONFLICT                                |
| ULO34A        | 27+09.5        | RT-13.13          | 913.97 | ELEC    | TOP OF CONC DUCT<br>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<br>BOTTOM OF STORM: 903.72                                    |
| ULO37A        | 25+16.8        | LT-12.60          | 906.88 | FO      | 2"<br>TOP OF STORM: 905.17   |
| ULO37B        | 25+16.5        | LT-12.60          | 906.8  | FO      | 2"<br>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<br>TOP OF STORM: 904.89                          |
| ULO101A       | 25+06.5        | LT-13.60          | 906.97 | TV      | 4"<br>TOP OF STORM: 904.90   |
| ULO101B       | 25+06.2        | LT-13.60          | 907.58 | TV      | 4"<br>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"<br>BOTTOM OF STORM: 904.05  |
| ULO103B       | 25+25.4        | LT-12.30          | 905.08 | STM??   | 15"<br>CONTRACTOR TO DETERMINE IF THIS IS SEPARATE, OR PRIVATE STORM |

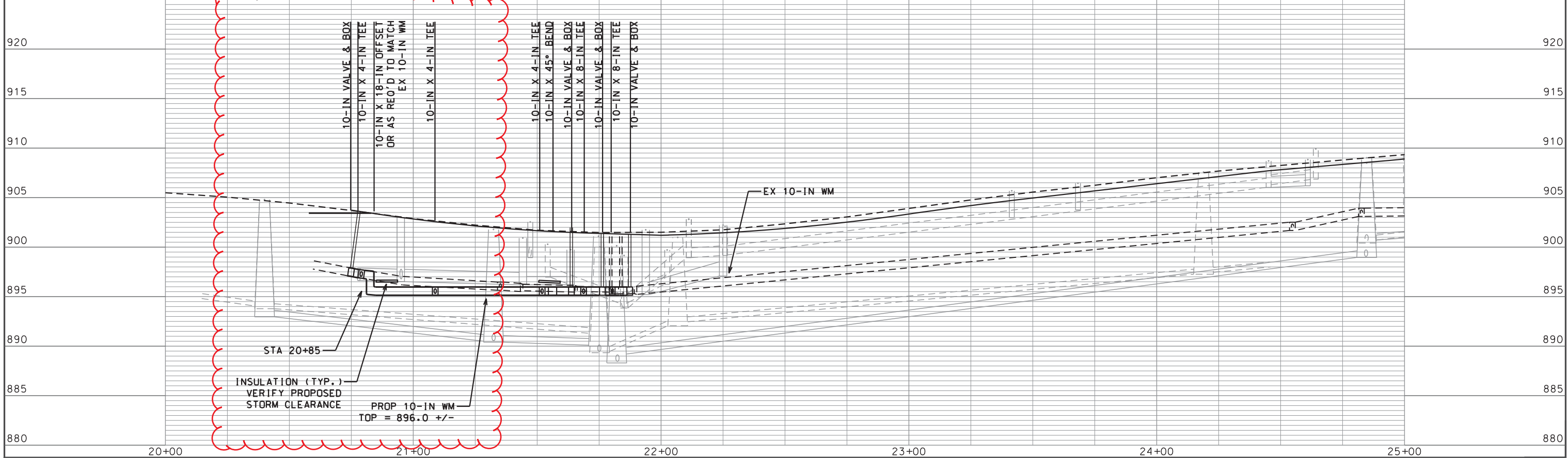
ORIGINATOR: CITY OF MADISON STREETS DIVISION  
REV. DATE: ---  
PLOT NAME: ---  
PLOT SCALE: ---



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.

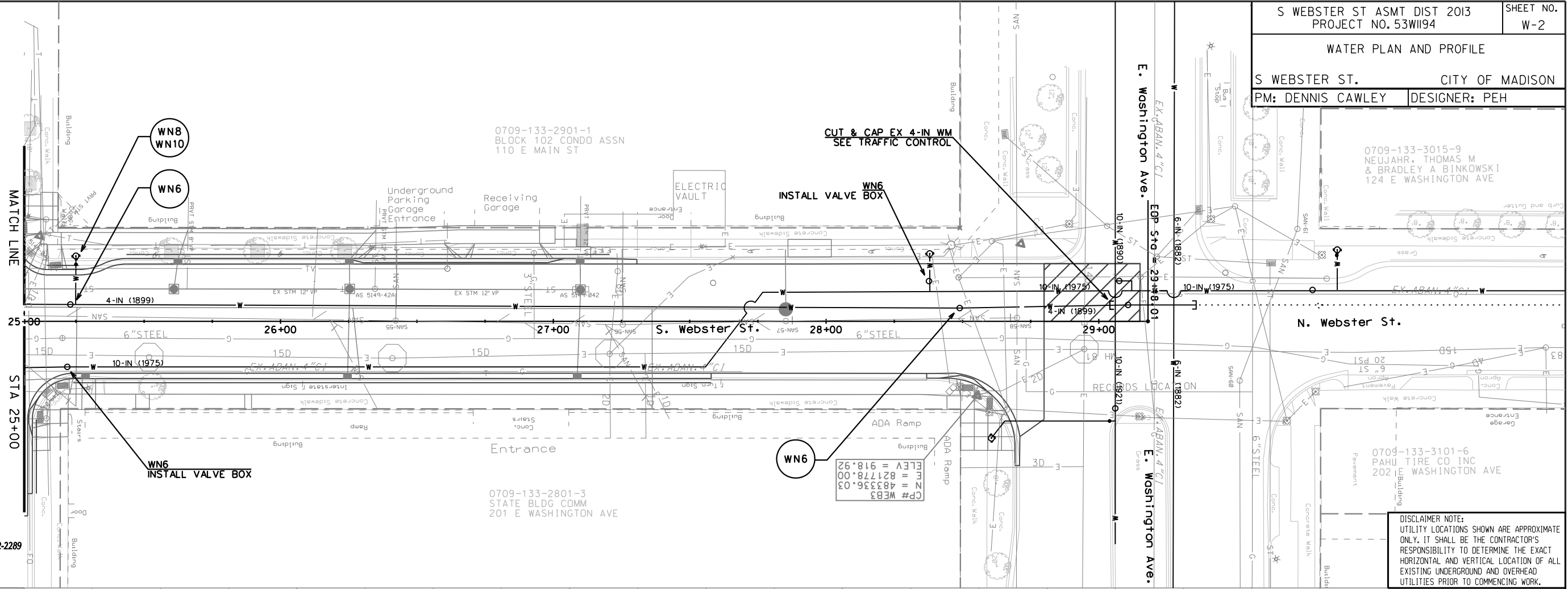
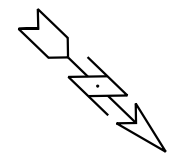


PLOT SCALE: 1" = 40'

PLOT NAME: S. WEBSTER ST

REV. DATE: 4/5/2013

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



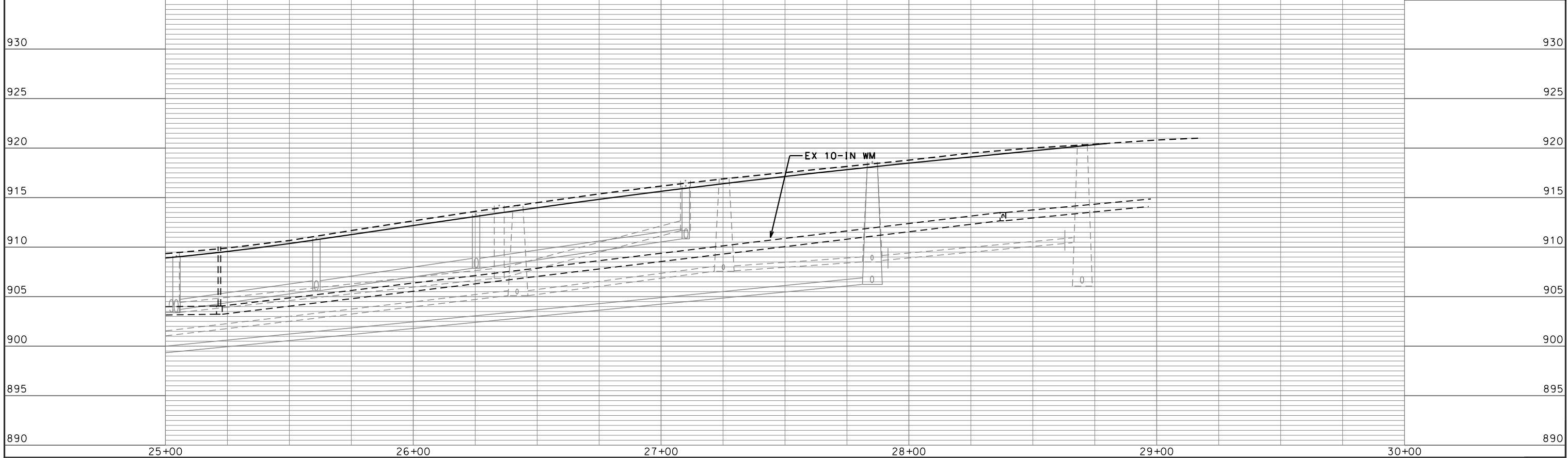
MEMBER  
ONE CALL SYSTEMS INTERNATIONAL

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

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: .....

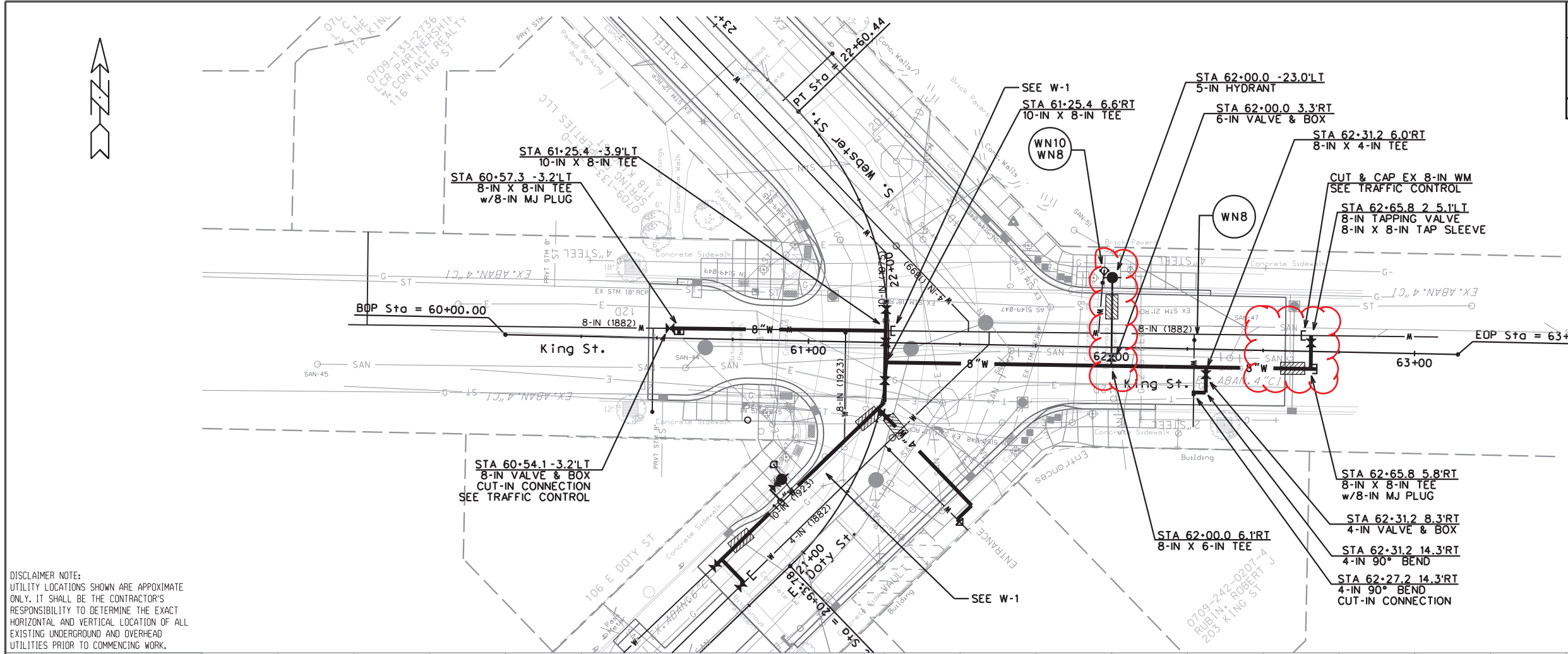
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



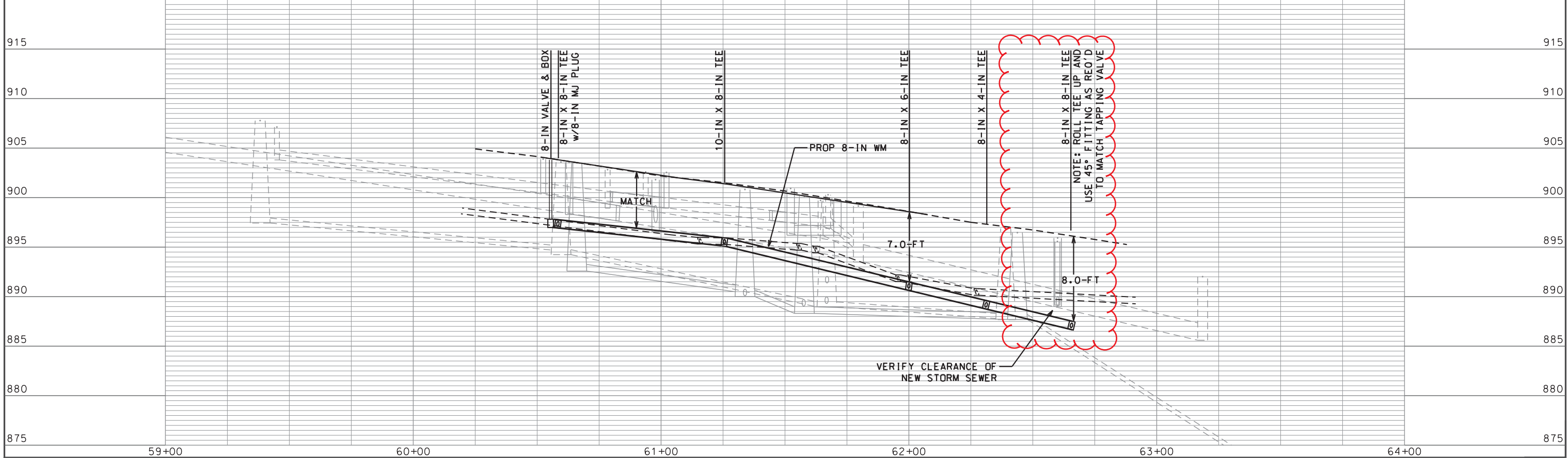
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

**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

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: 1"=40'

PLOT NAME: S. WEBSTER ST. WATER PLAN AND PROFILE

REV. DATE: 5/1/2013

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



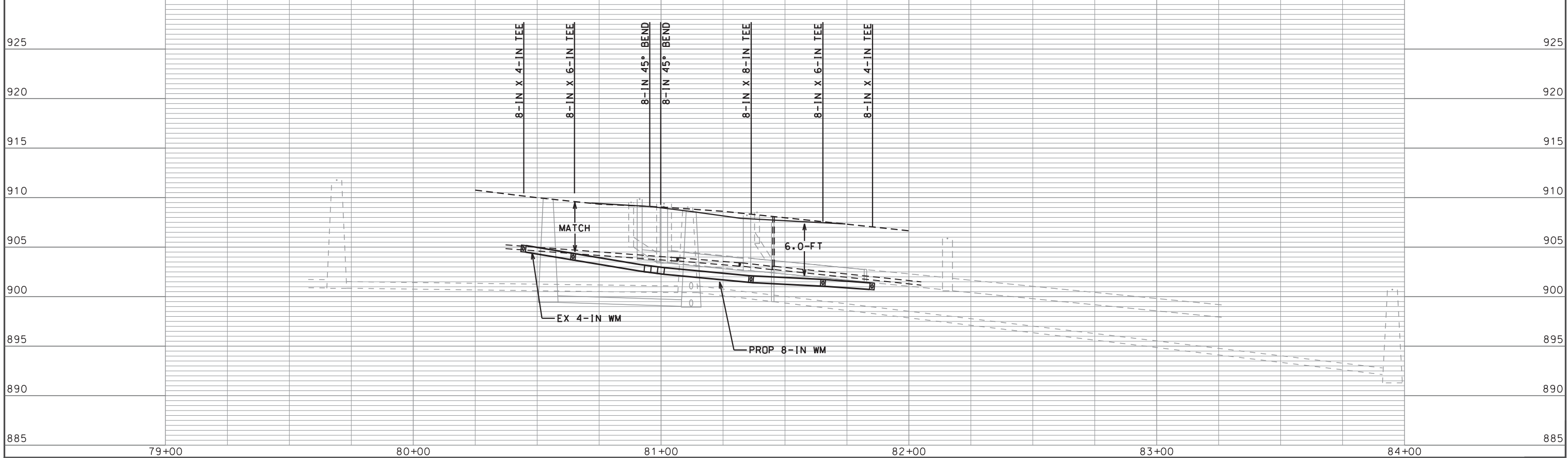
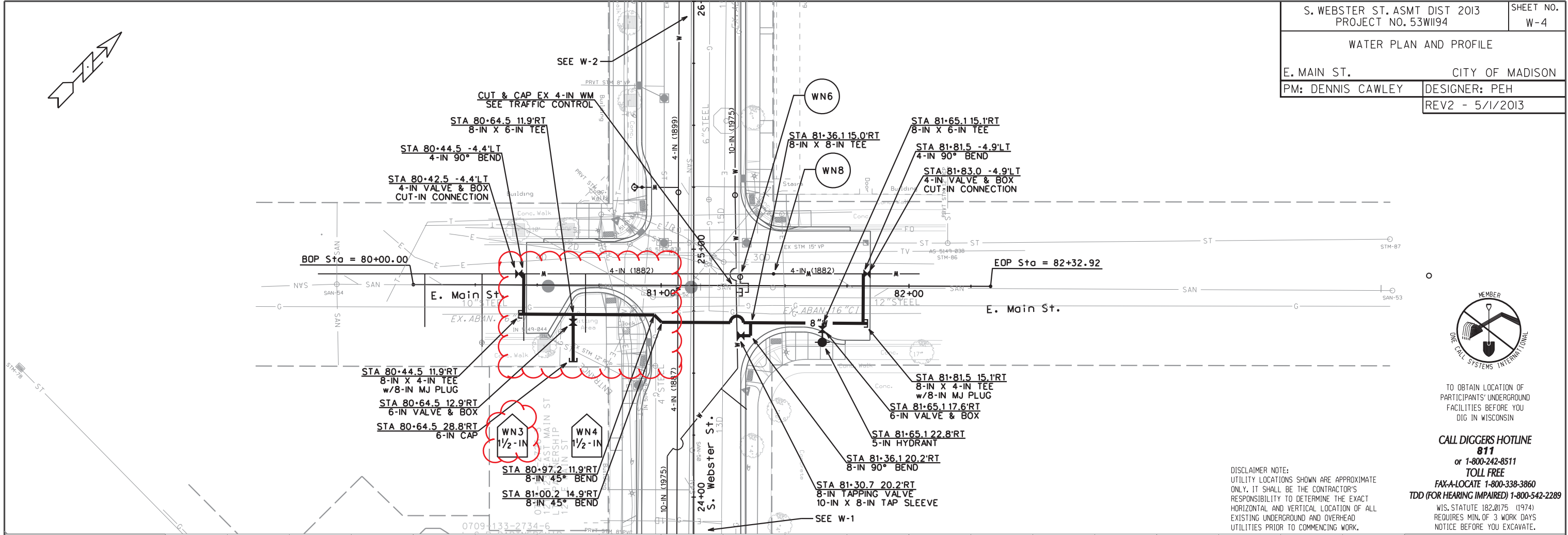


TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

**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

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

**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

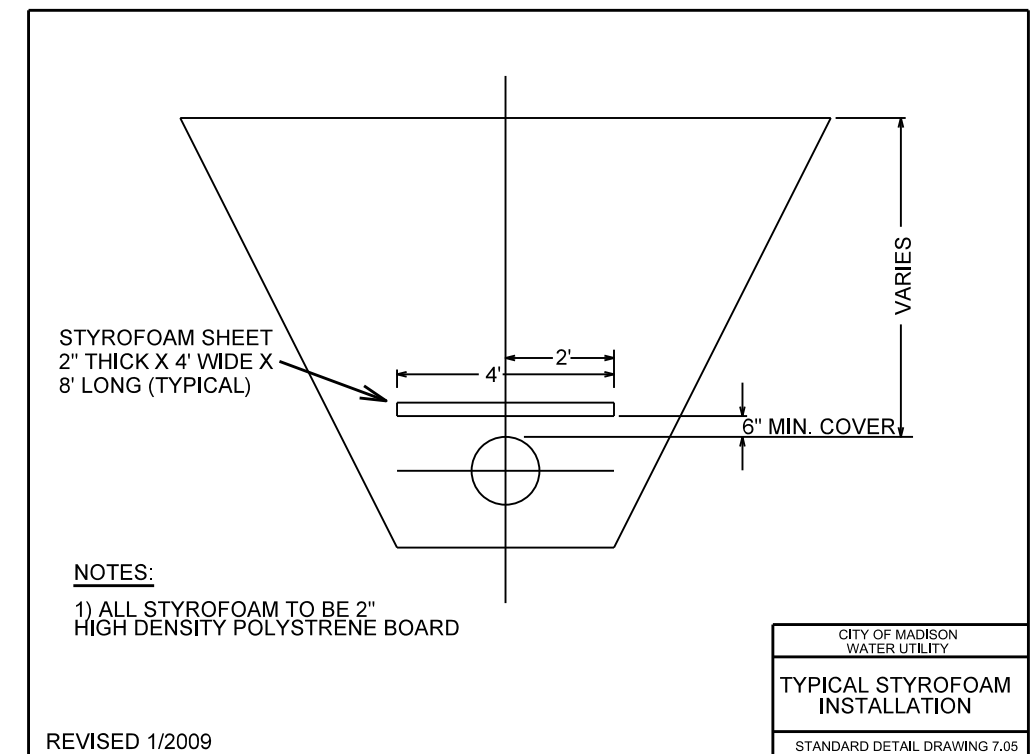
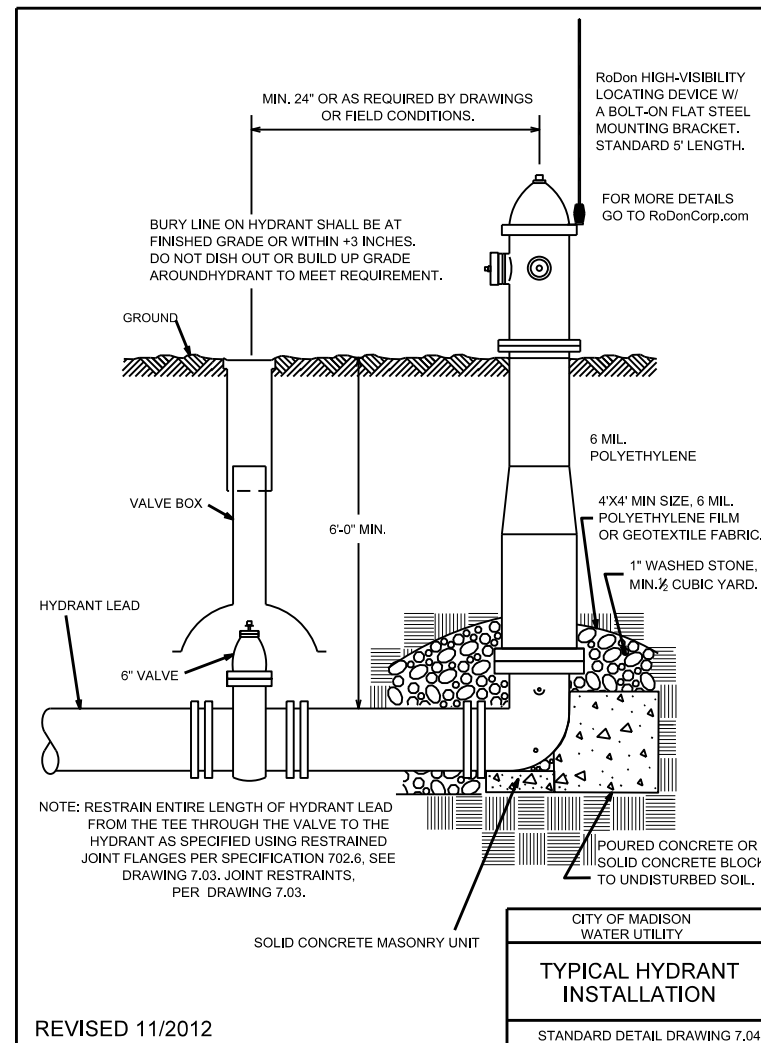
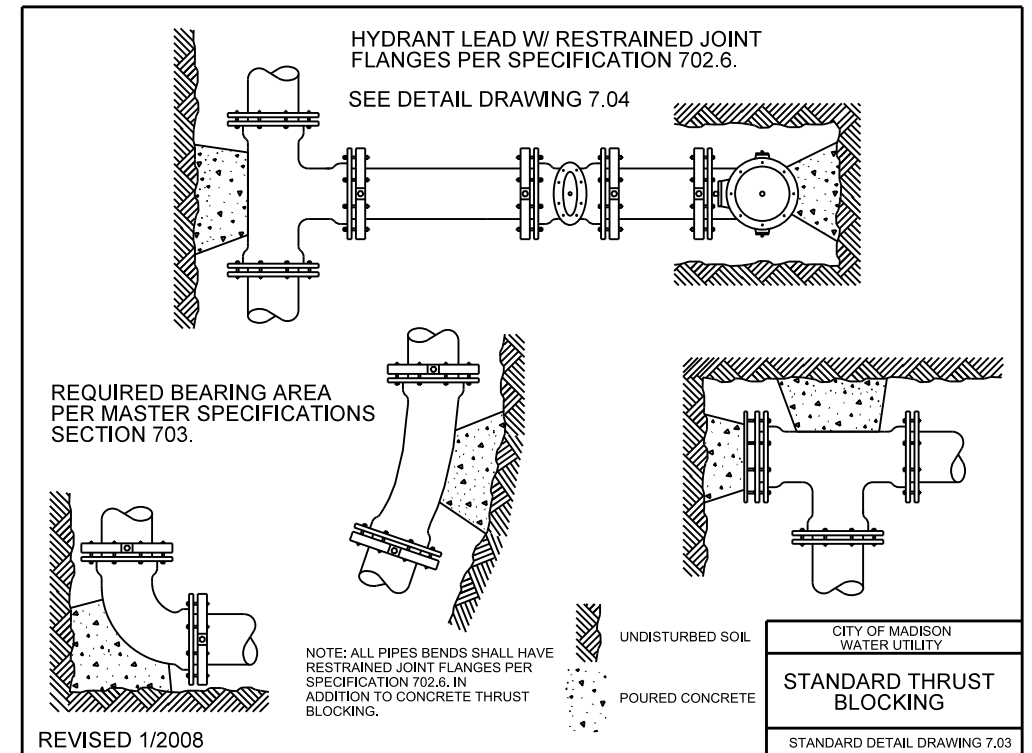
**ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

\* 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:

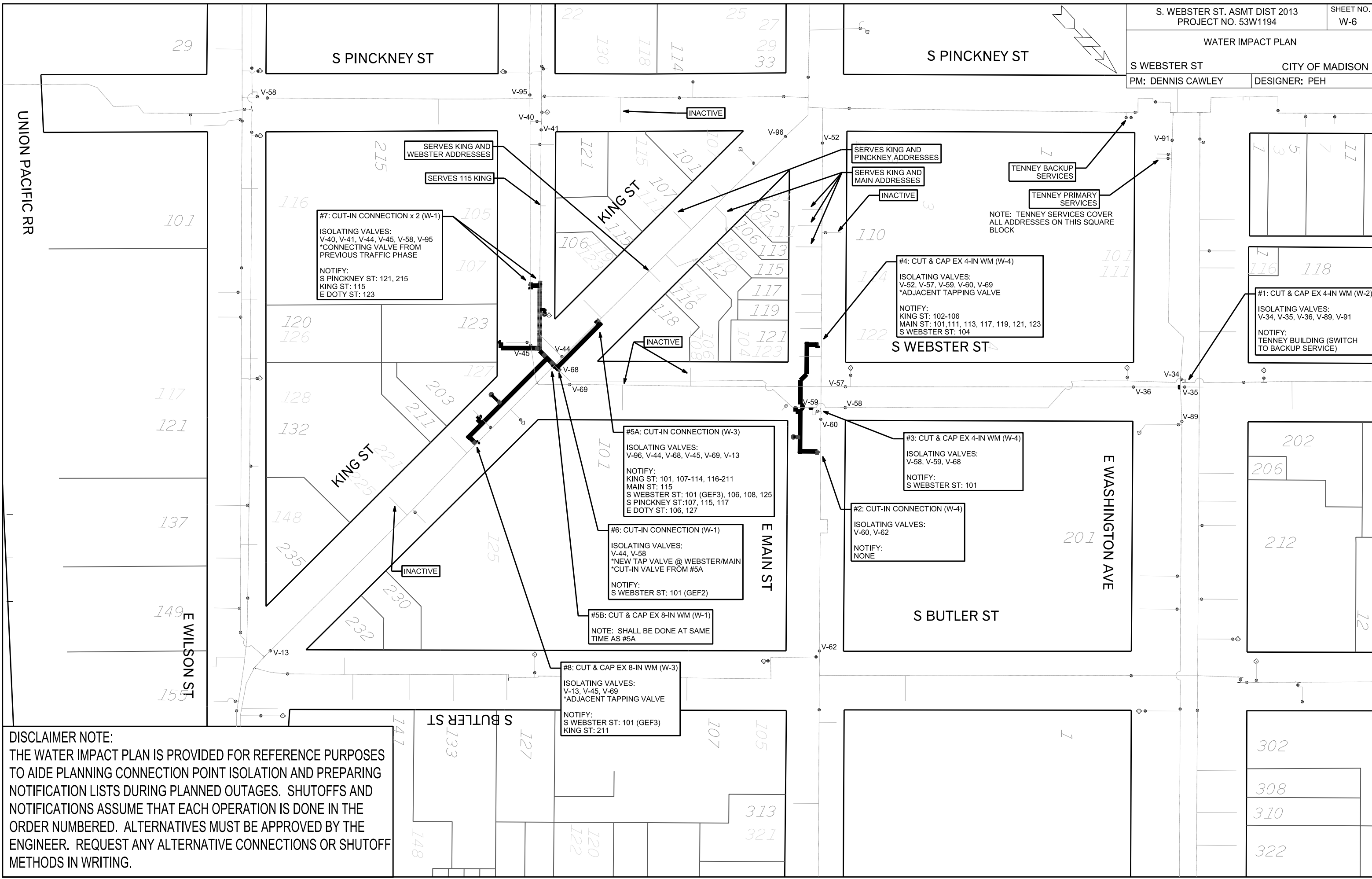
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER IMPACT PLAN

S WEBSTER ST CITY OF MADISON

PM: DENNIS CAWLEY DESIGNER: PEH



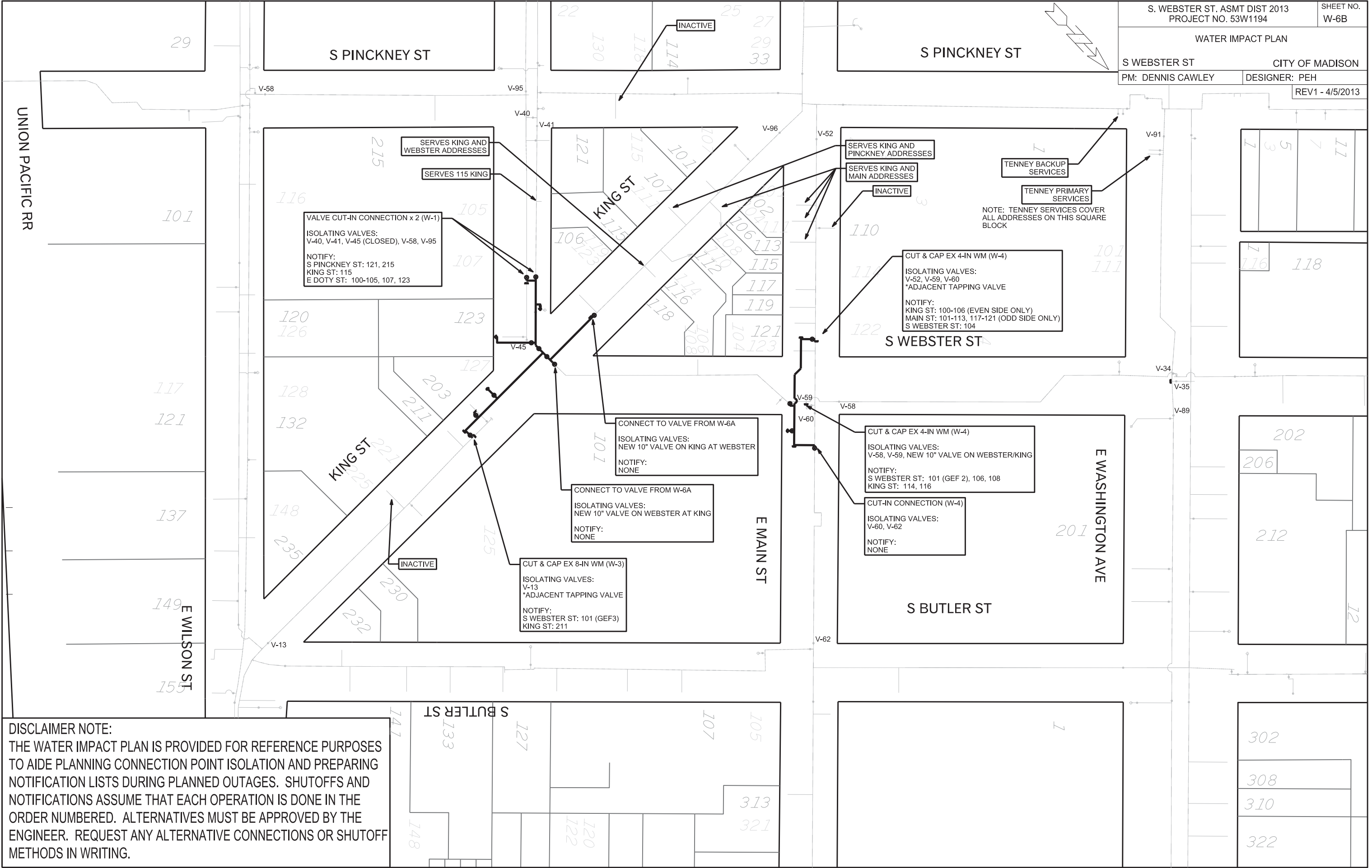
**DISCLAIMER NOTE:**  
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. SHUTOFFS AND NOTIFICATIONS ASSUME THAT EACH OPERATION IS DONE IN THE ORDER NUMBERED. ALTERNATIVES MUST BE APPROVED BY THE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

PLOT SCALE: .....

PLOT NAME: .....

REV. DATE: .....

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**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.

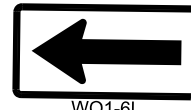
PLOT SCALE: \_\_\_\_\_ PLOT NAME: \_\_\_\_\_ REV. DATE: \_\_\_\_\_ ORIGINATOR: CITY OF MADISON, STREETS DIVISION



| 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:

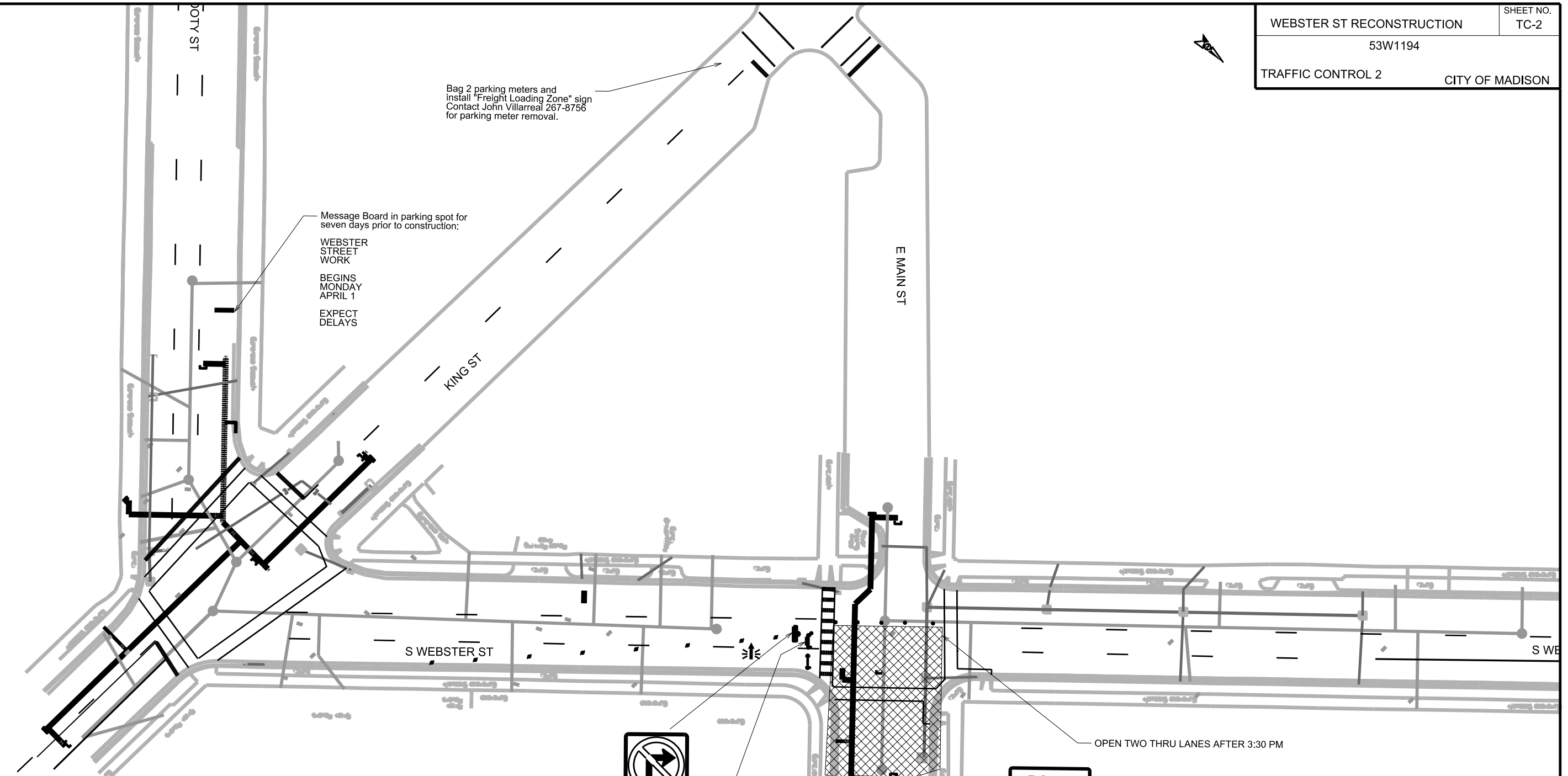
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



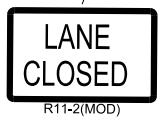
Bag 2 parking meters and install "Freight Loading Zone" sign  
Contact John Villarreal 267-8756 for parking meter removal.

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



**LEGEND**

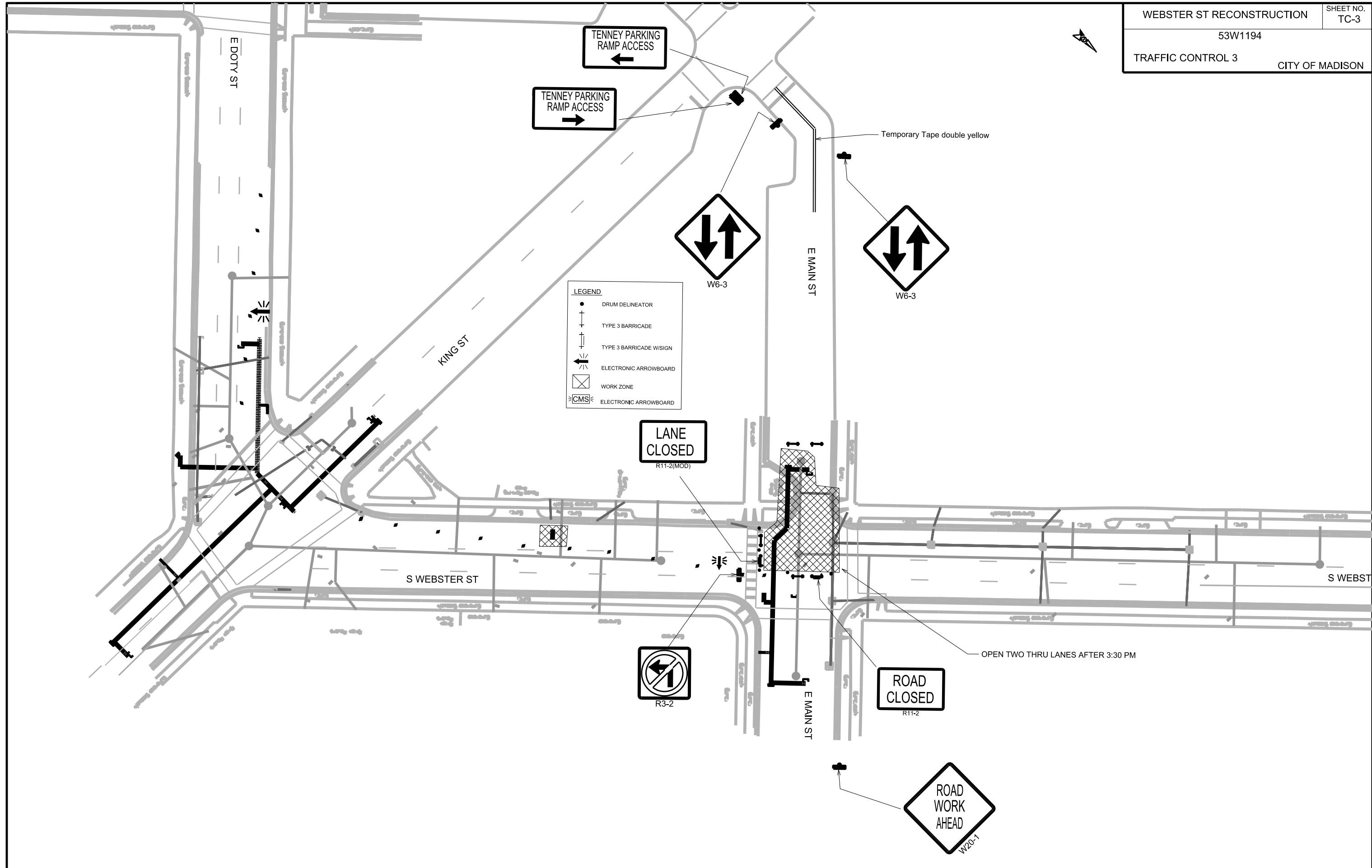
- DRUM DELINEATOR
- ⊥ TYPE 3 BARRICADE
- ⊥ TYPE 3 BARRICADE W/SIGN
- ← ELECTRONIC ARROWBOARD
- ⊠ WORK ZONE
- ⊠ CMS ELECTRONIC ARROWBOARD



OPEN TWO THRU LANES AFTER 3:30 PM

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

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



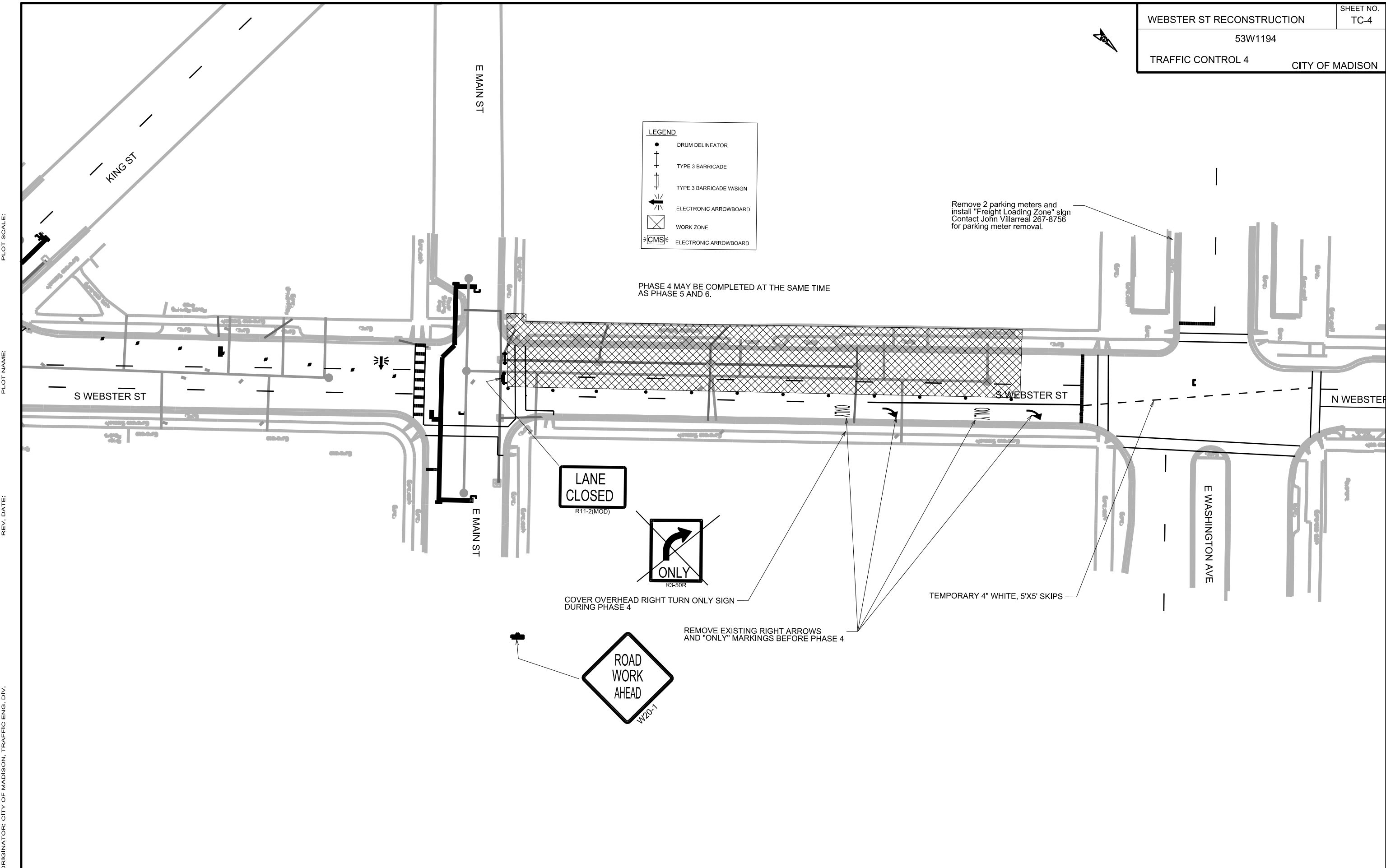
PLOT SCALE:  
 PLOT NAME:  
 REV. DATE:  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



| 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.



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





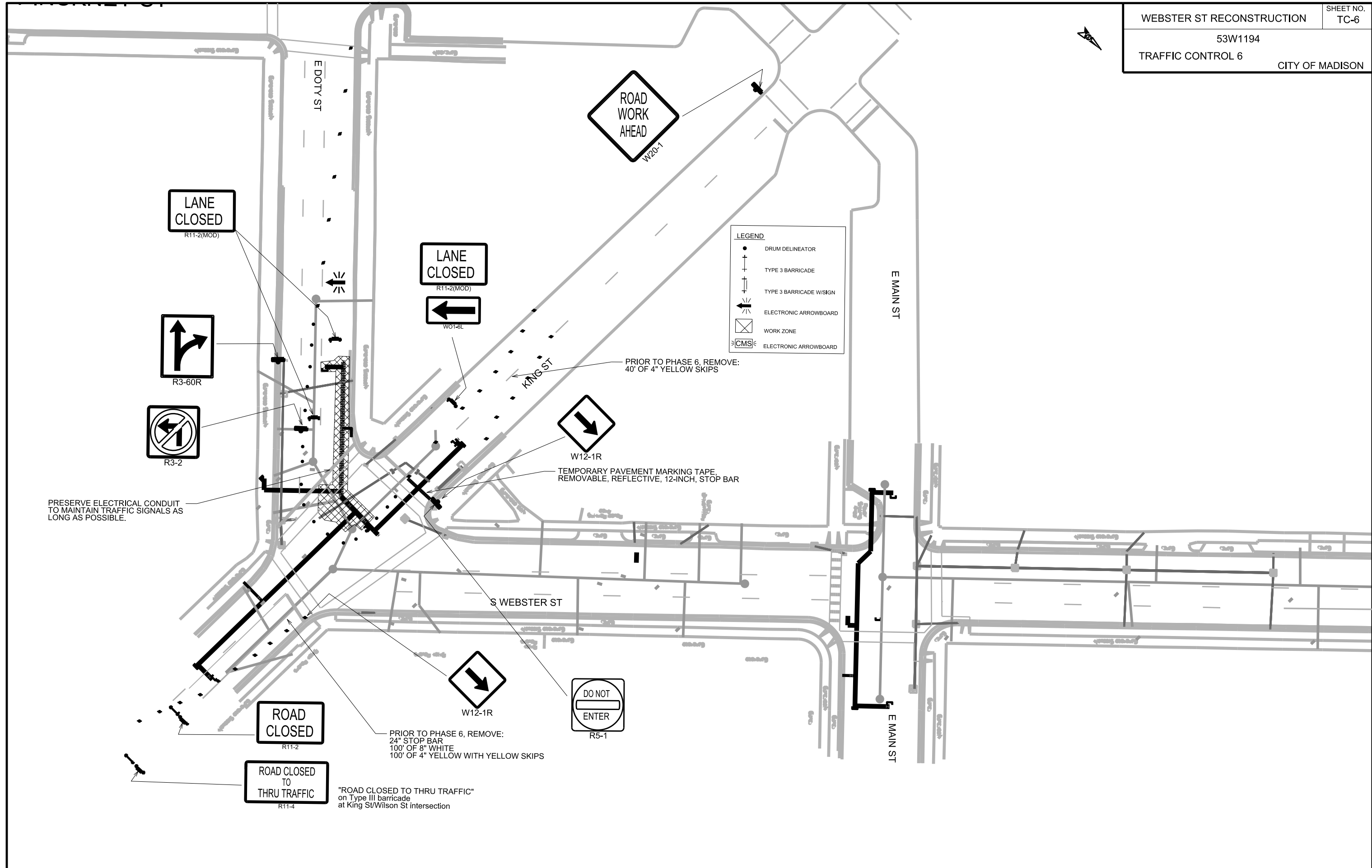
**LEGEND**

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

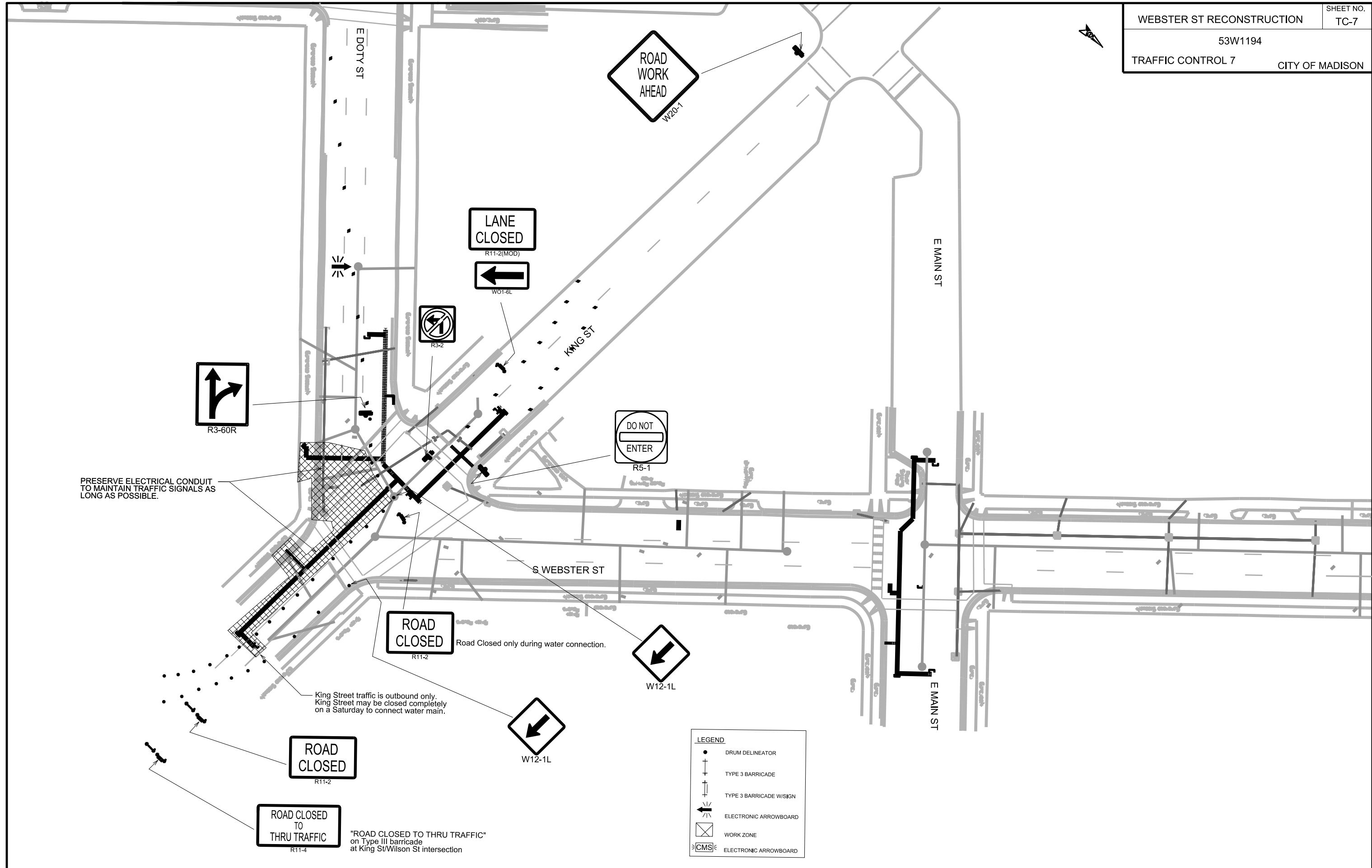
PRESERVE ELECTRICAL CONDUIT TO MAINTAIN TRAFFIC SIGNALS AS LONG AS POSSIBLE.

OPEN MIDDLE LANE AFTER 3:30 PM

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.



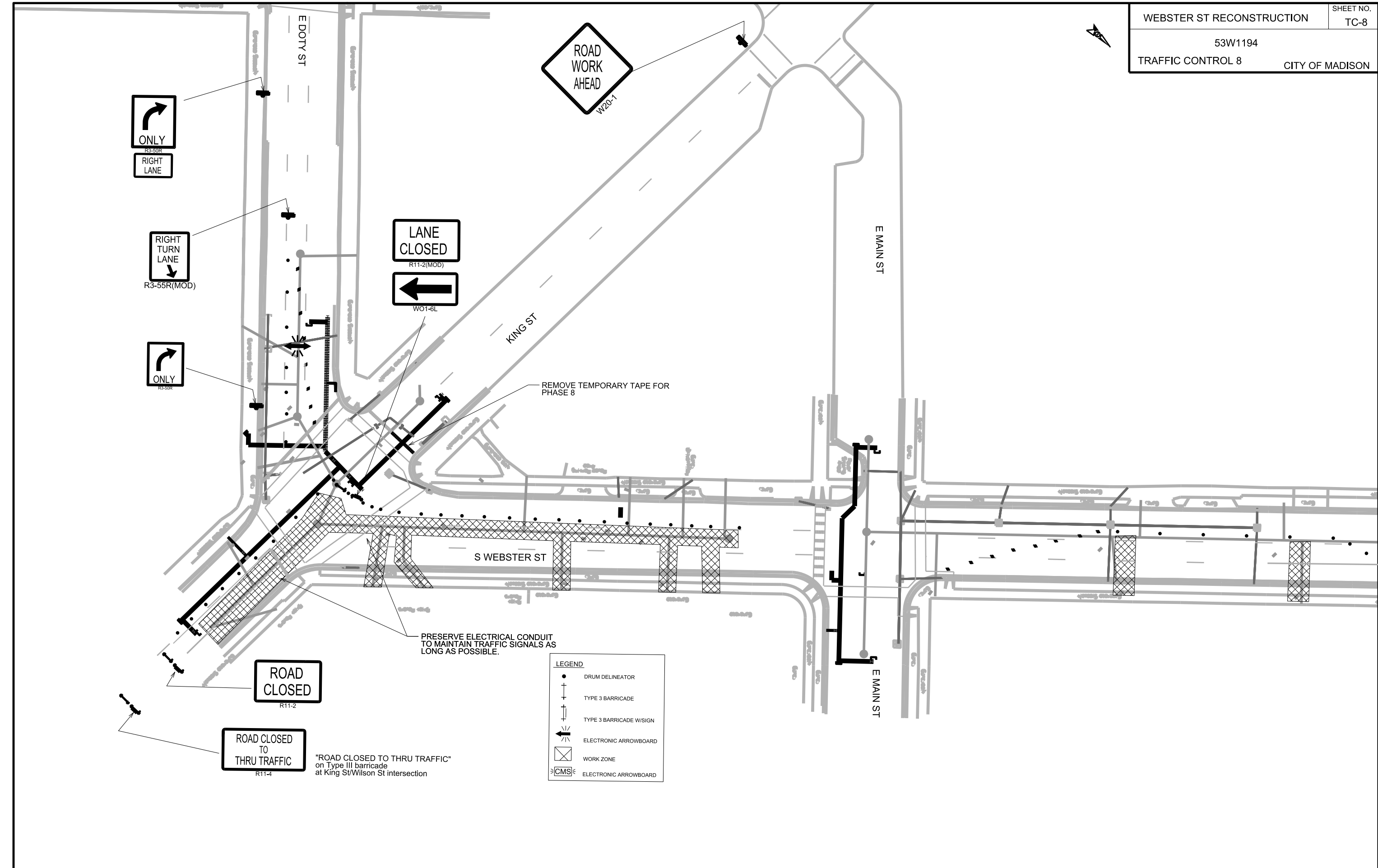
PRESERVE ELECTRICAL CONDUIT TO MAINTAIN TRAFFIC SIGNALS AS LONG AS POSSIBLE.

Road Closed only during water connection.

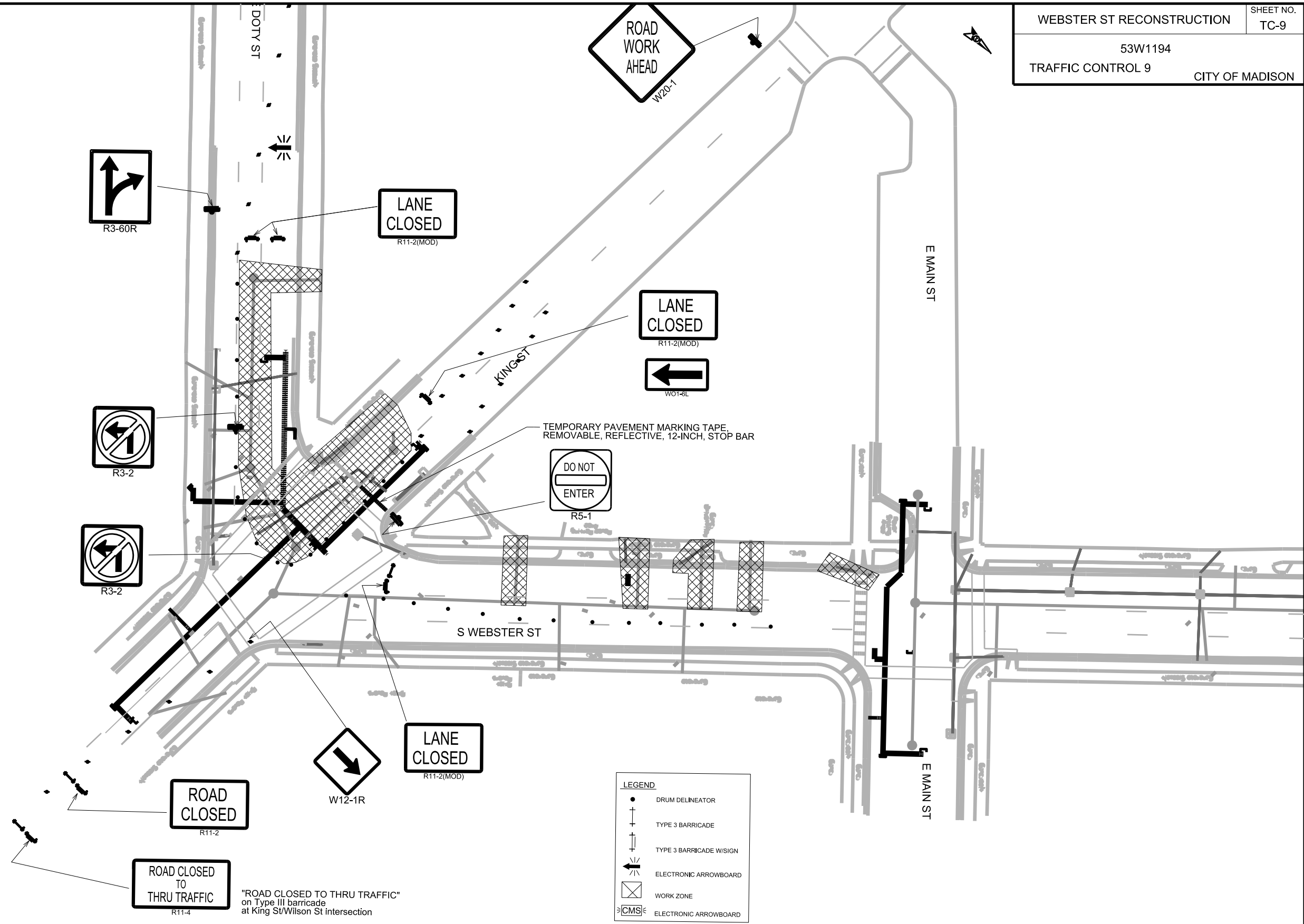
King Street traffic is outbound only. King Street may be closed completely on a Saturday to connect water main.

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

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.

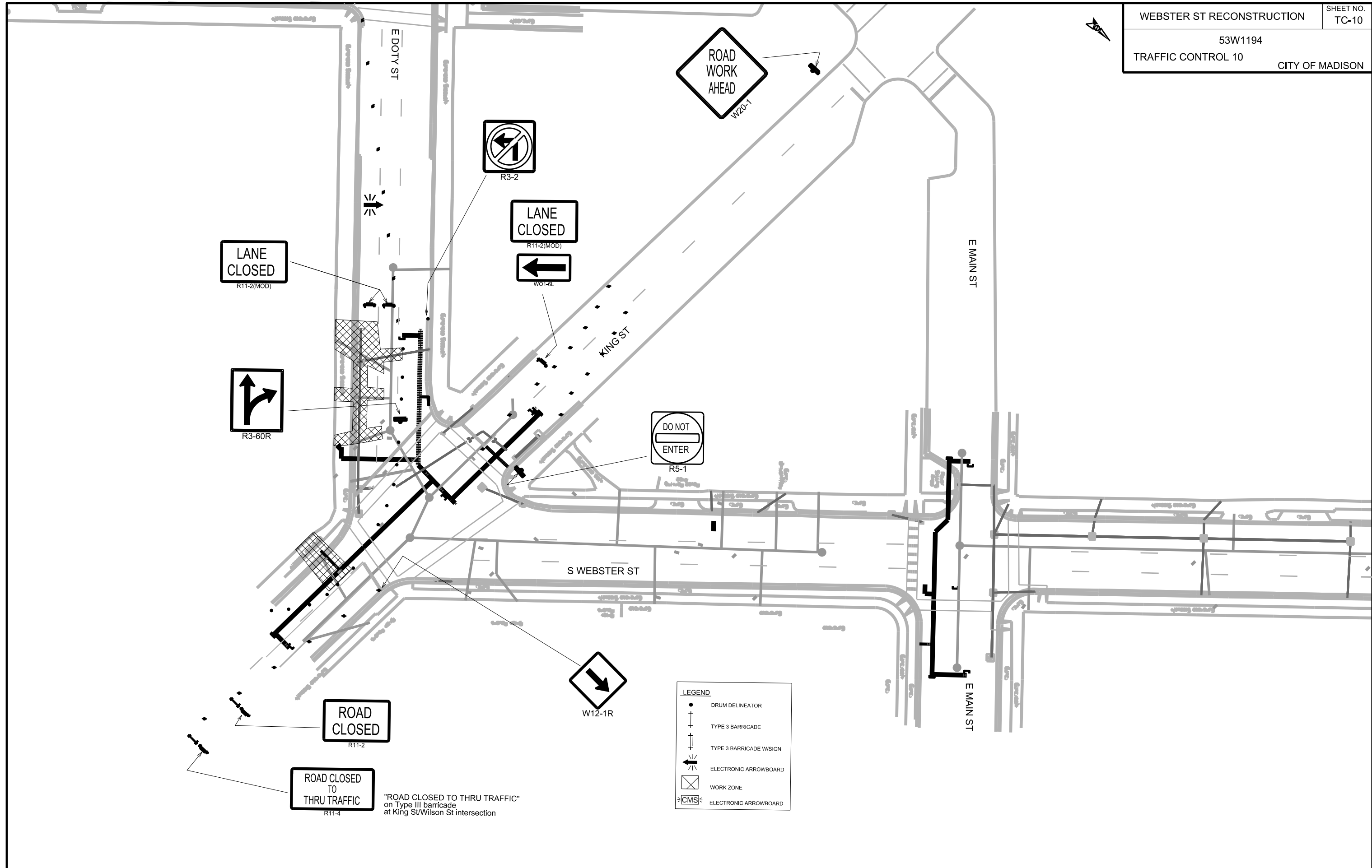


PLOT SCALE:

PLOT NAME:

REV. DATE:

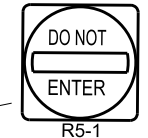
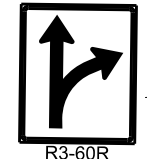
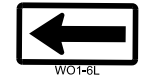
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



LANE CLOSED  
R11-2(MOD)



LANE CLOSED  
R11-2(MOD)



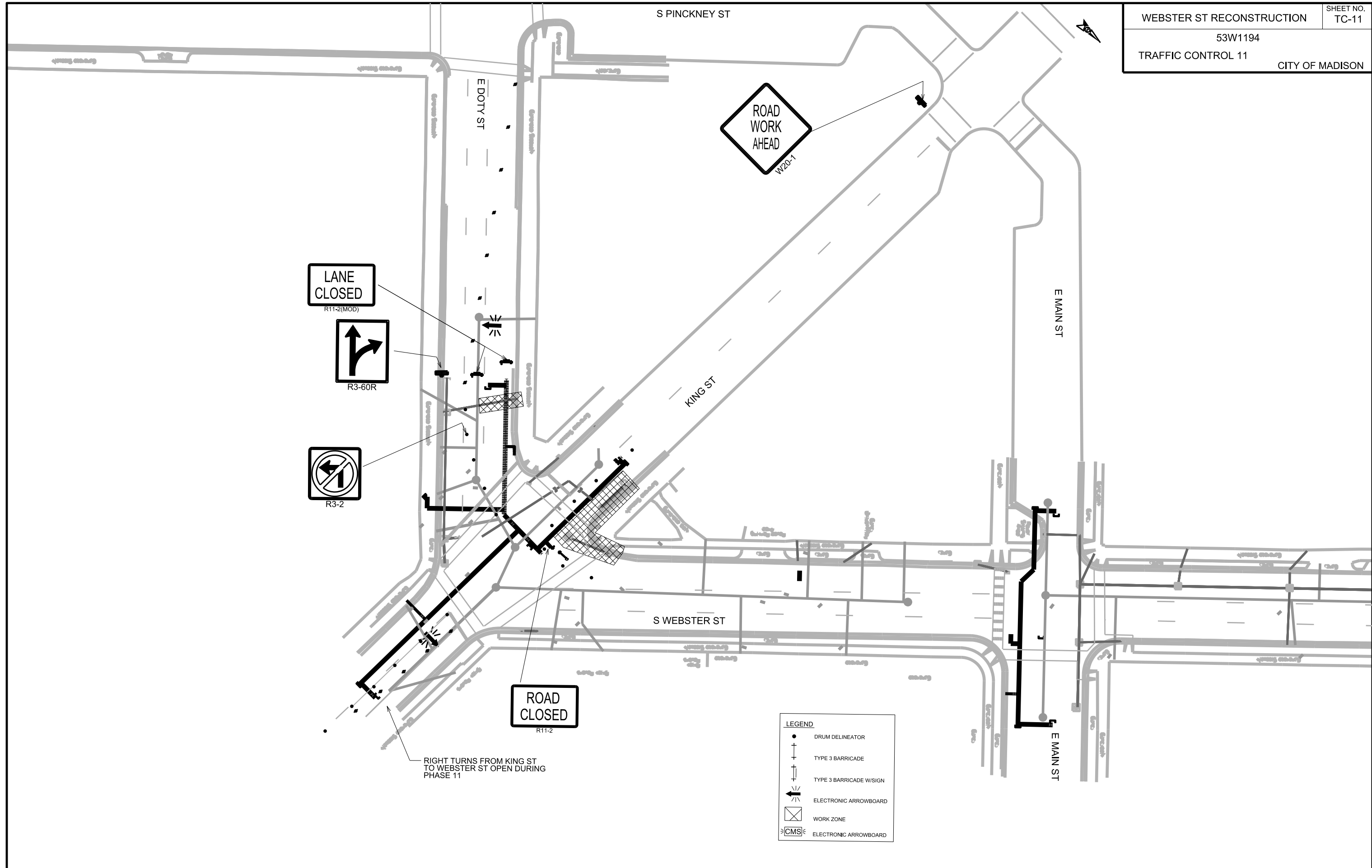
ROAD CLOSED  
R11-2

ROAD CLOSED TO THRU TRAFFIC  
R11-4

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

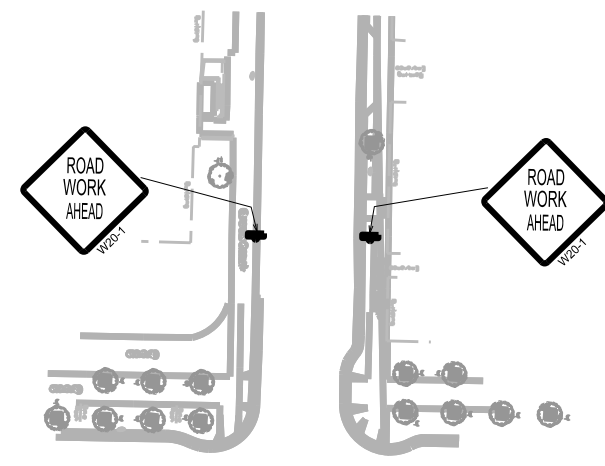
| LEGEND |                         |
|--------|-------------------------|
|        | DRUM DELINEATOR         |
|        | TYPE 3 BARRICADE        |
|        | TYPE 3 BARRICADE W/SIGN |
|        | ELECTRONIC ARROWBOARD   |
|        | WORK ZONE               |
|        | ELECTRONIC ARROWBOARD   |

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

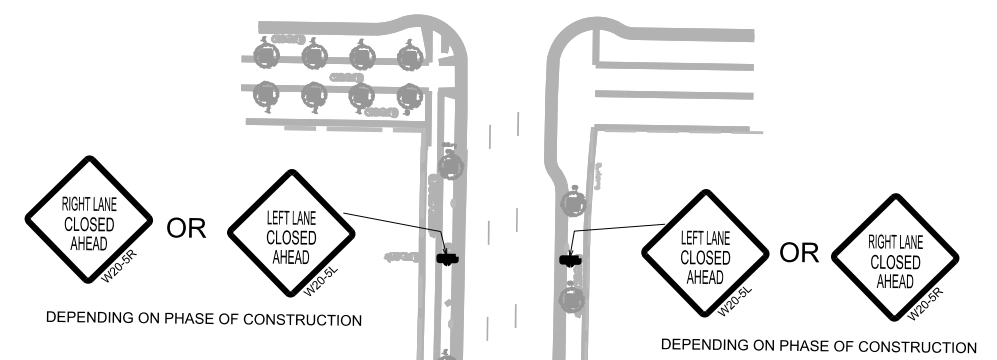


PLOT SCALE:  
 PLOT NAME:  
 REV. DATE:  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

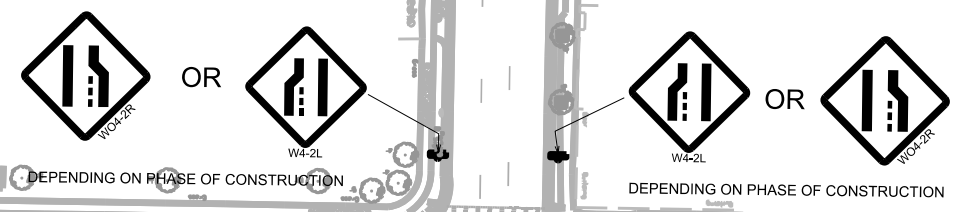
ADVANCED WARNING SIGNS  
TO BE IN PLACE DURING ENTIRE DURATION  
OF CONSTRUCTION



MARTIN LUTHER KING JR BLVD



EDOTY ST



S PINCKNEY ST

S PINCKNEY ST



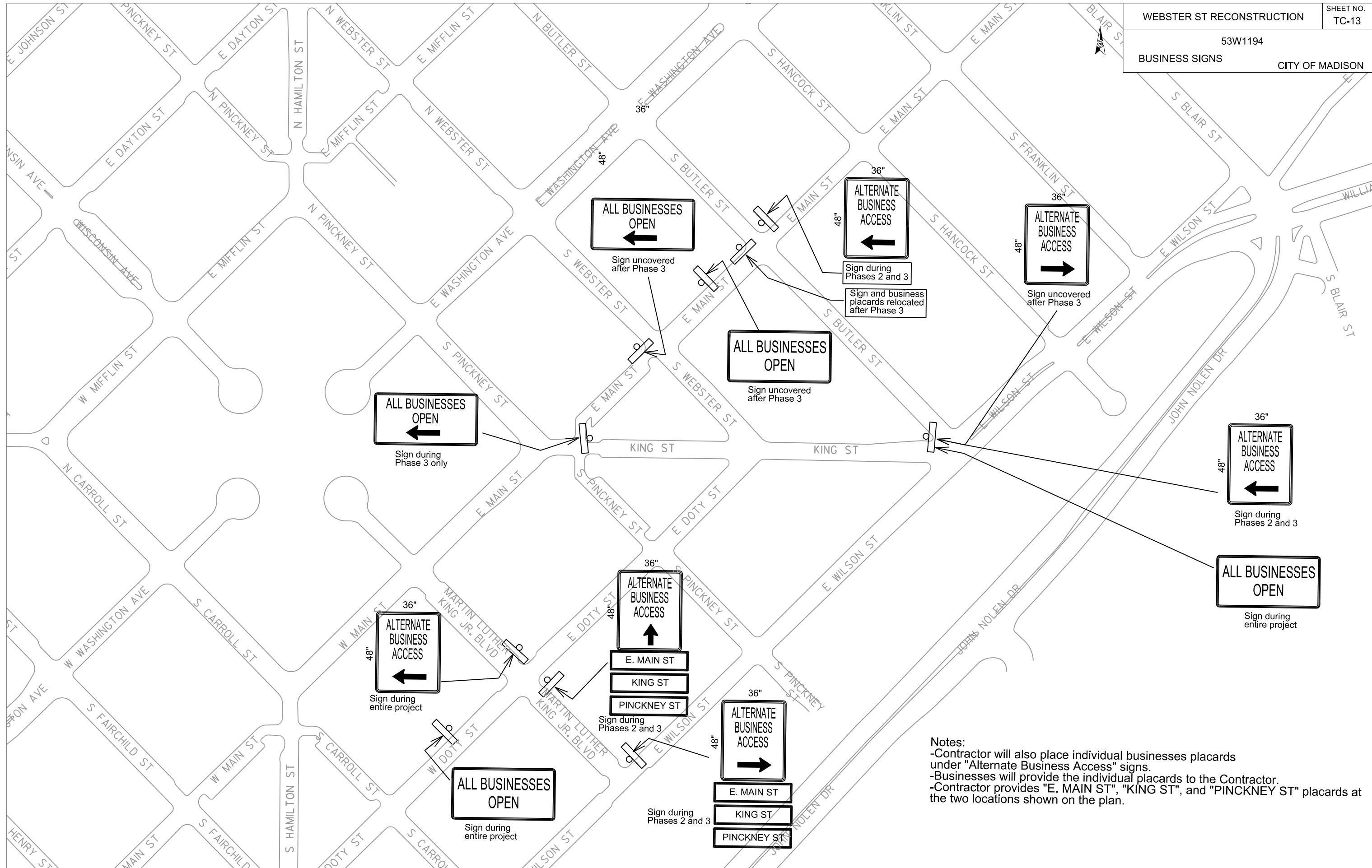
PLOT SCALE:

PLOT NAME:

REV. DATE:

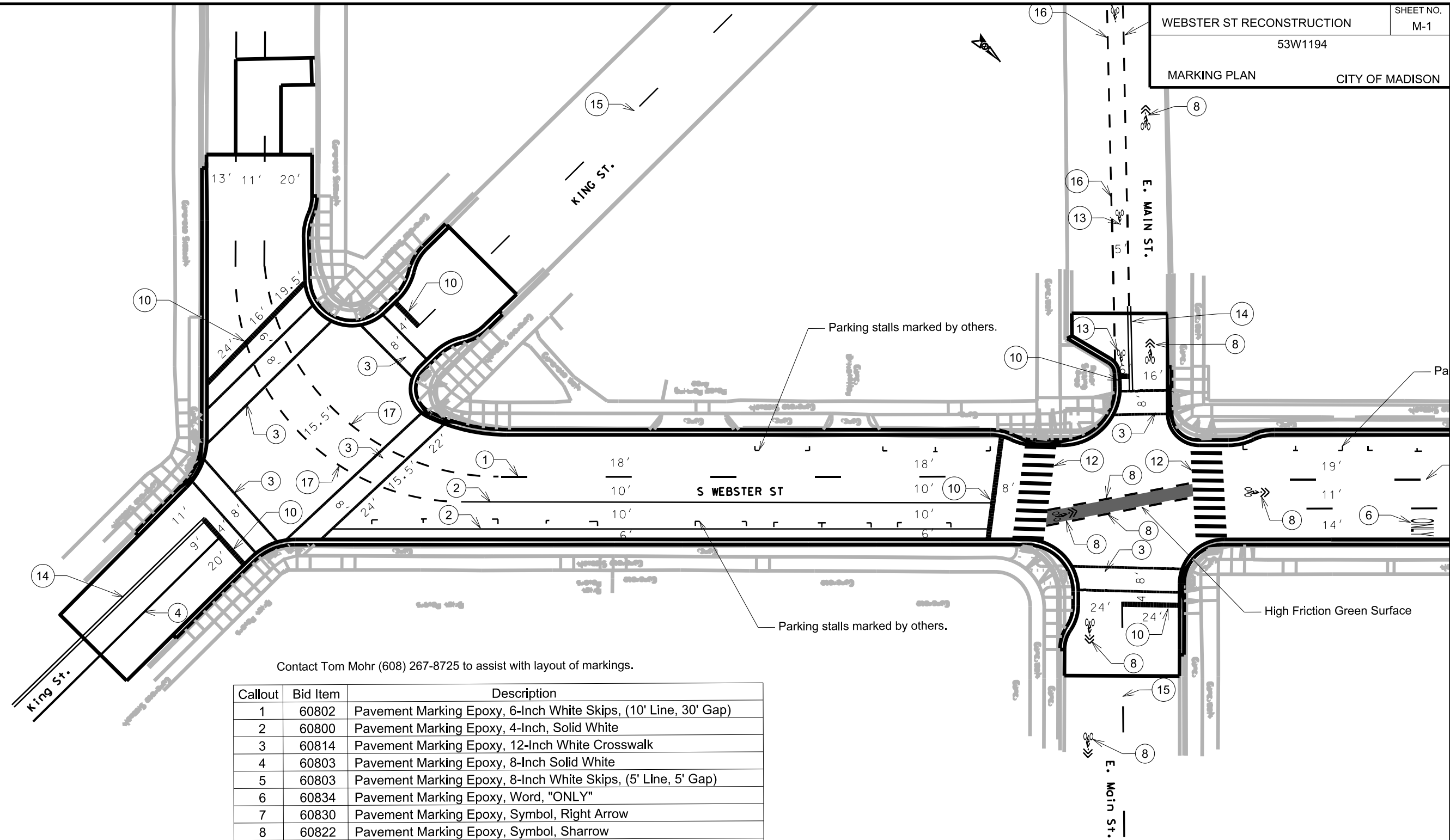
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





**Notes:**  
 -Contractor will also place individual businesses placards under "Alternate Business Access" signs.  
 -Businesses will provide the individual placards to the Contractor.  
 -Contractor provides "E. MAIN ST", "KING ST", and "PINCKNEY ST" placards at the two locations shown on the plan.

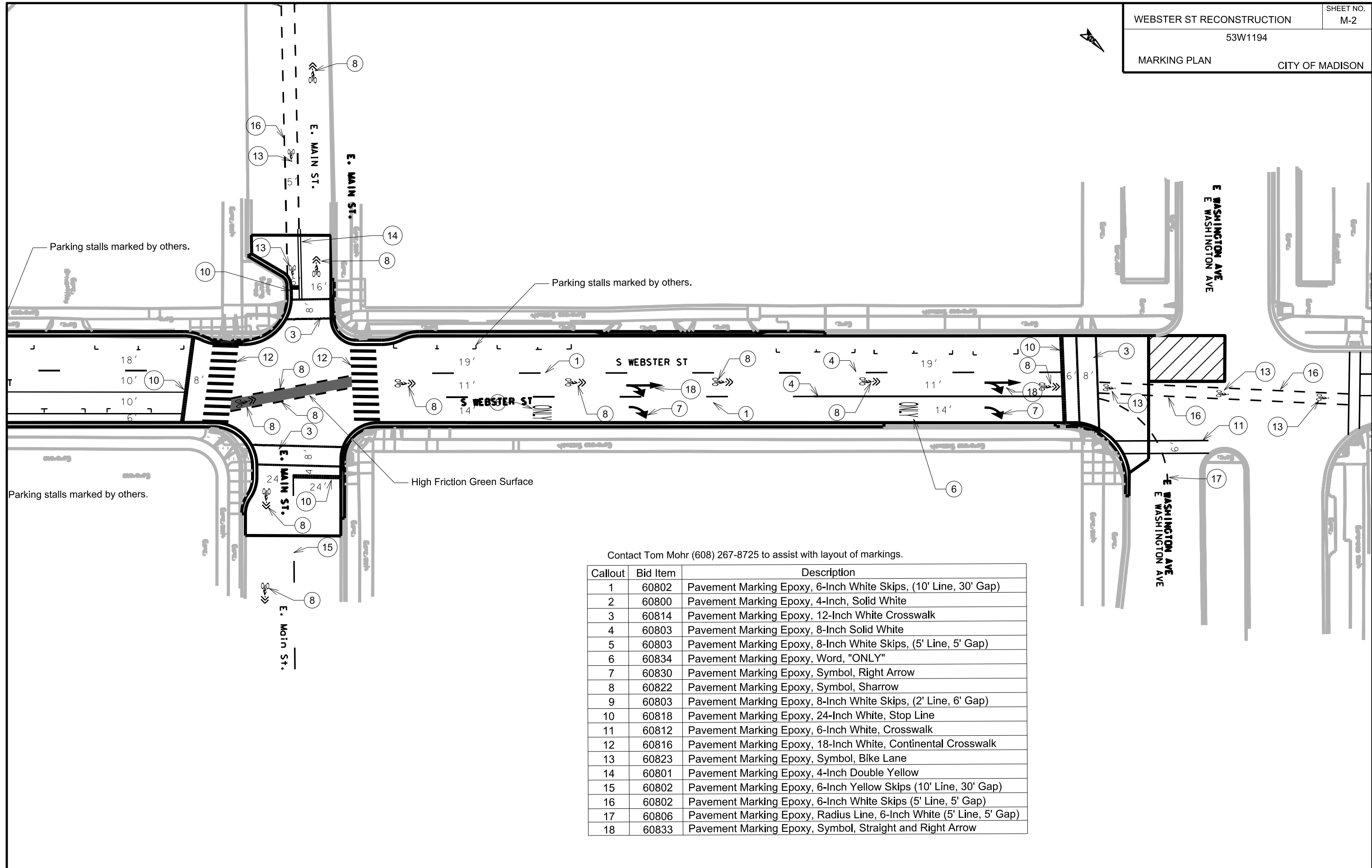
PLOT SCALE:  
 PLOT NAME:  
 REV. DATE:  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



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.



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.

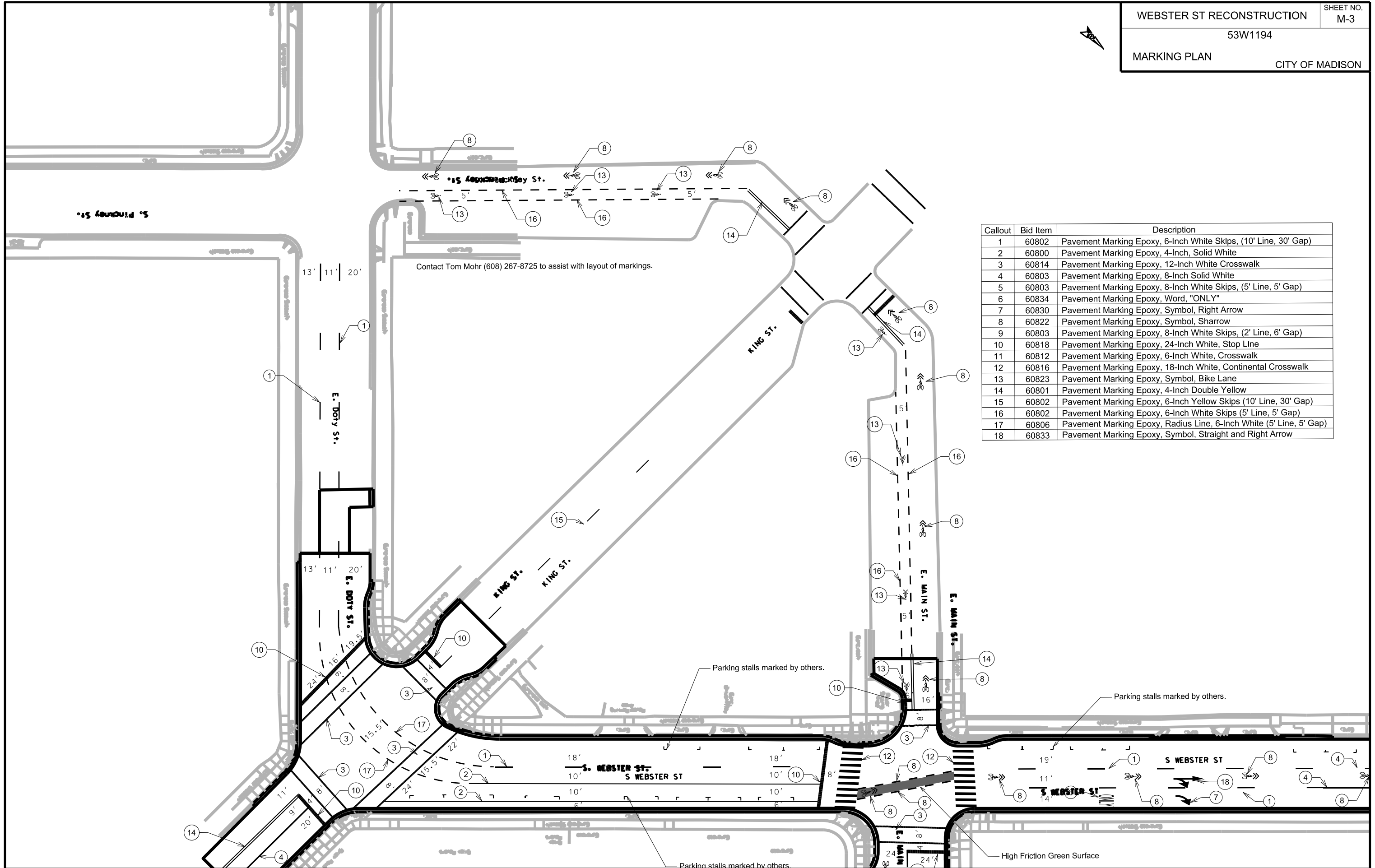


PLOT SCALE:

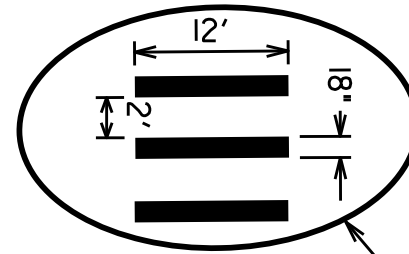
PLOT NAME:

REV. DATE:

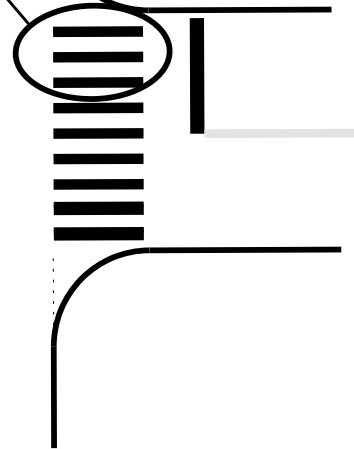
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



| 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            |

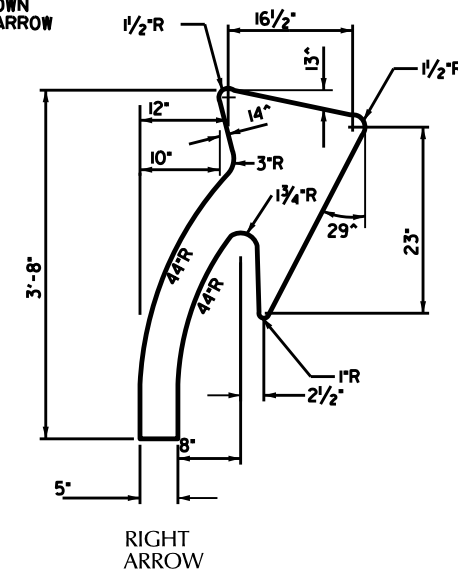


**CONTINENTAL CROSSWALKS**  
 CONTINENTAL CROSSWALKS HAVE 18 INCH WIDE 12 FOOT LONG CROSSBARS PLACED IN LINE WITH THE TRAFFIC FLOW.  
 THE SPACING OR GAP BETWEEN THE CROSSBARS IS 24 INCHES  
 THE CROSSBARS SHOULD BE PLACED IN A MANNER THAT MINIMIZES CONTACT WITH VEHICLES TIRES.

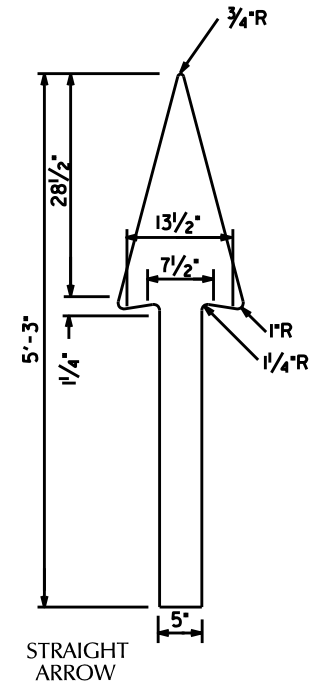


CONTINENTAL X-WALK & STOP LINES DETAIL

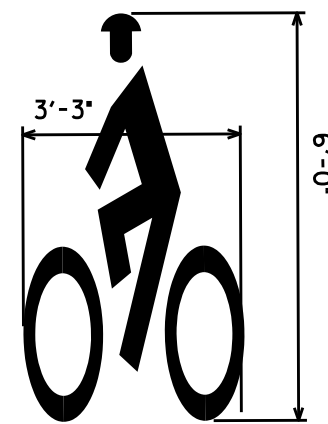
LEFT ARROW'S DIMENSIONS SAME AS SHOWN ON RIGHT ARROW



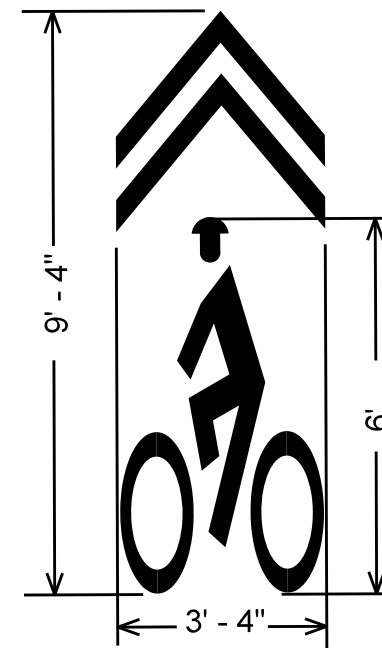
RIGHT ARROW



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:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

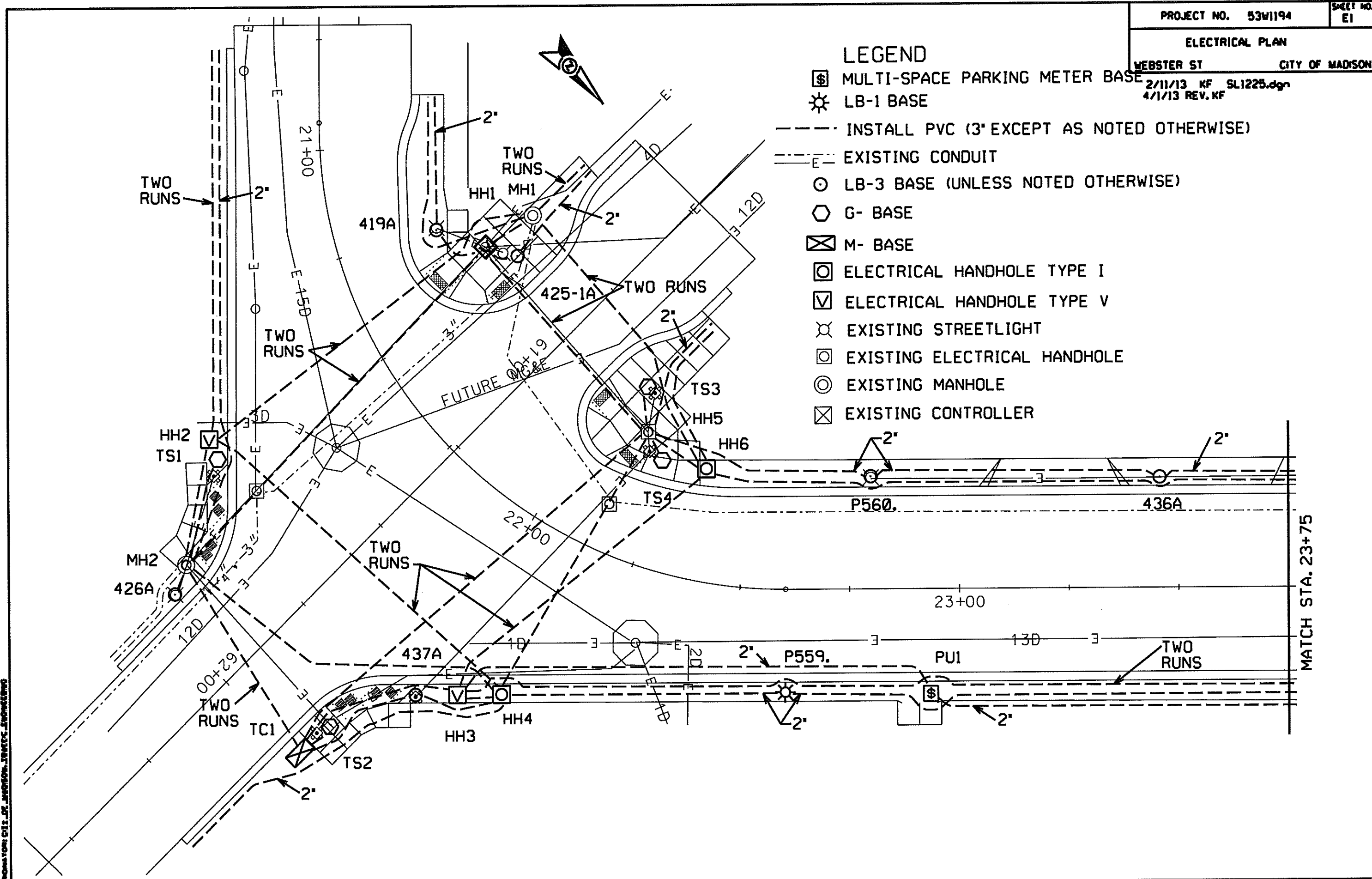
ELECTRICAL PLAN

WEBSTER ST CITY OF MADISON

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

LEGEND

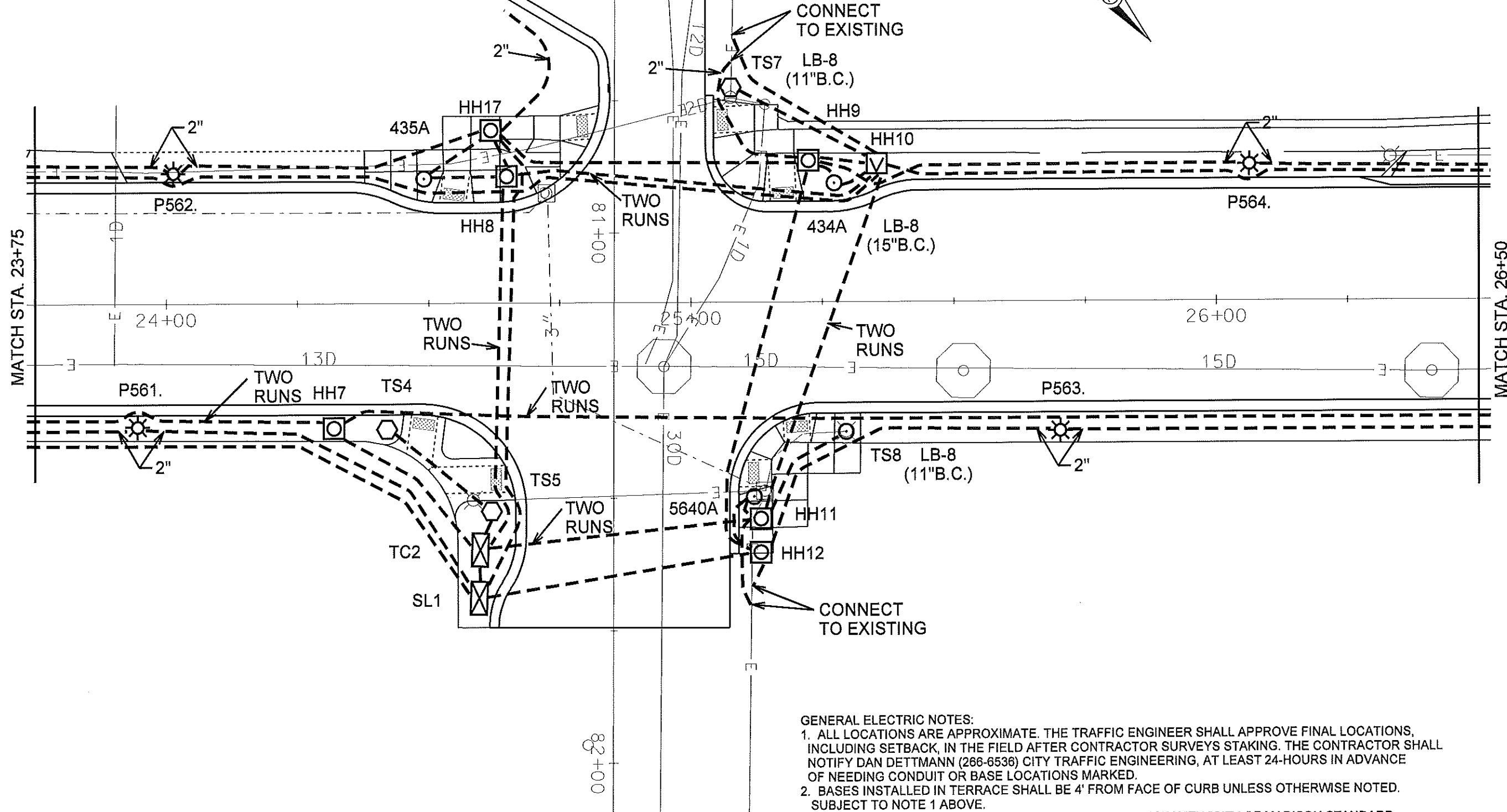
- Ⓜ MULTI-SPACE PARKING METER BASE
- ☼ LB-1 BASE
- INSTALL PVC (3' EXCEPT AS NOTED OTHERWISE)
- EXISTING CONDUIT
- ⊙ LB-3 BASE (UNLESS NOTED OTHERWISE)
- ⬡ G- BASE
- ⊠ M- BASE
- ⊚ ELECTRICAL HANDHOLE TYPE I
- ⊚ ELECTRICAL HANDHOLE TYPE V
- ⊗ EXISTING STREETLIGHT
- ⊚ EXISTING ELECTRICAL HANDHOLE
- ⊙ EXISTING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

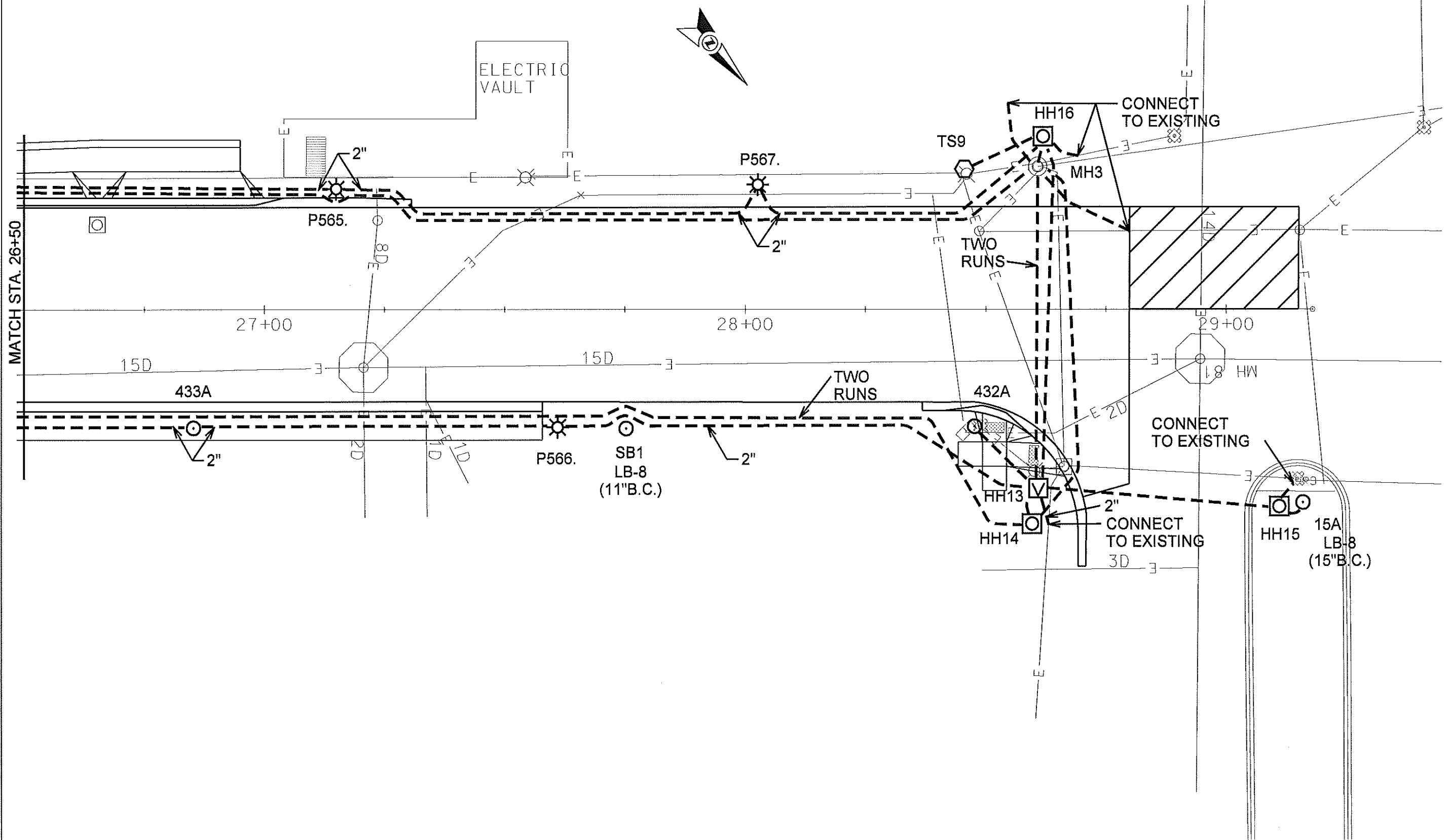
ELECTRICAL PLAN

WEBSTER ST CITY OF MADISON

4/1/13 KF SLI225.dgn



ELECTRIC VAULT



MATCH STA. 26+50

27+00

28+00

29+00

15D

15D

433A

432A

SB1 LB-8 (11" B.C.)

HH15 15A LB-8 (15" B.C.)

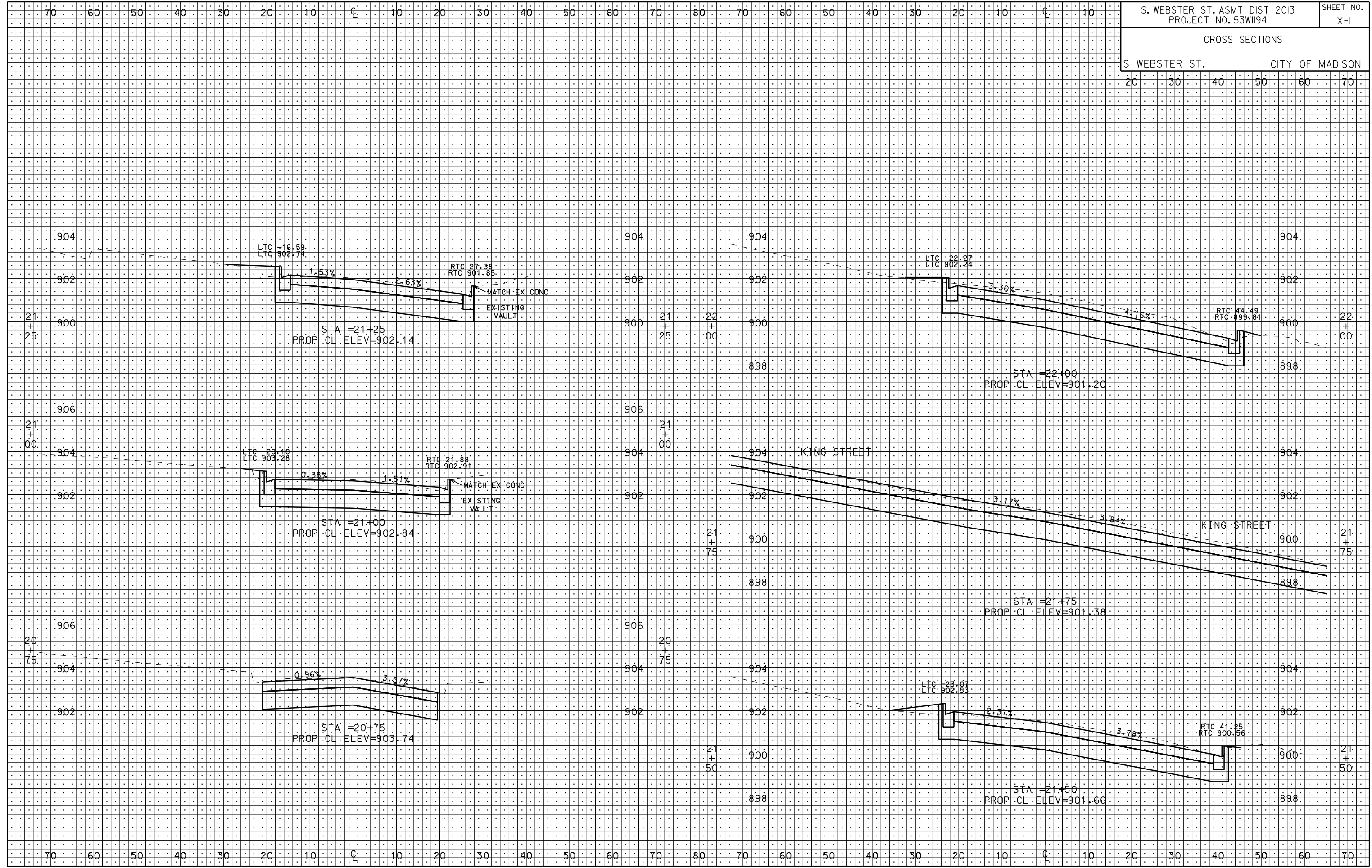
ORIGINATOR: CITY\_OF\_MADISON\_IBAEEIC\_ENGINEERING



CROSS SECTIONS

S WEBSTER ST. CITY OF MADISON

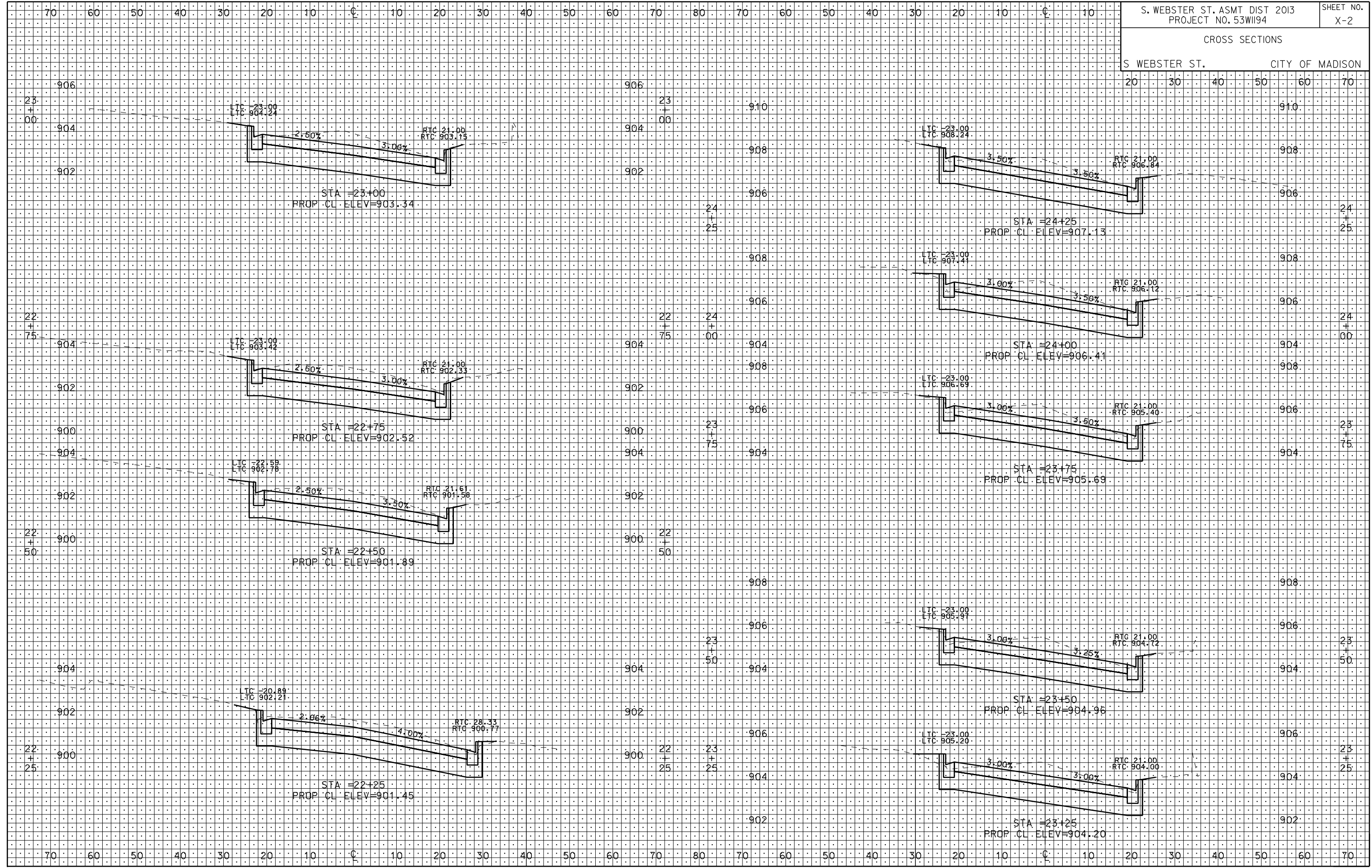
PLOT SCALE: .....  
PLOT NAME: .....  
REV. DATE: .....



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

S WEBSTER ST. CITY OF MADISON



PLOT SCALE: .....

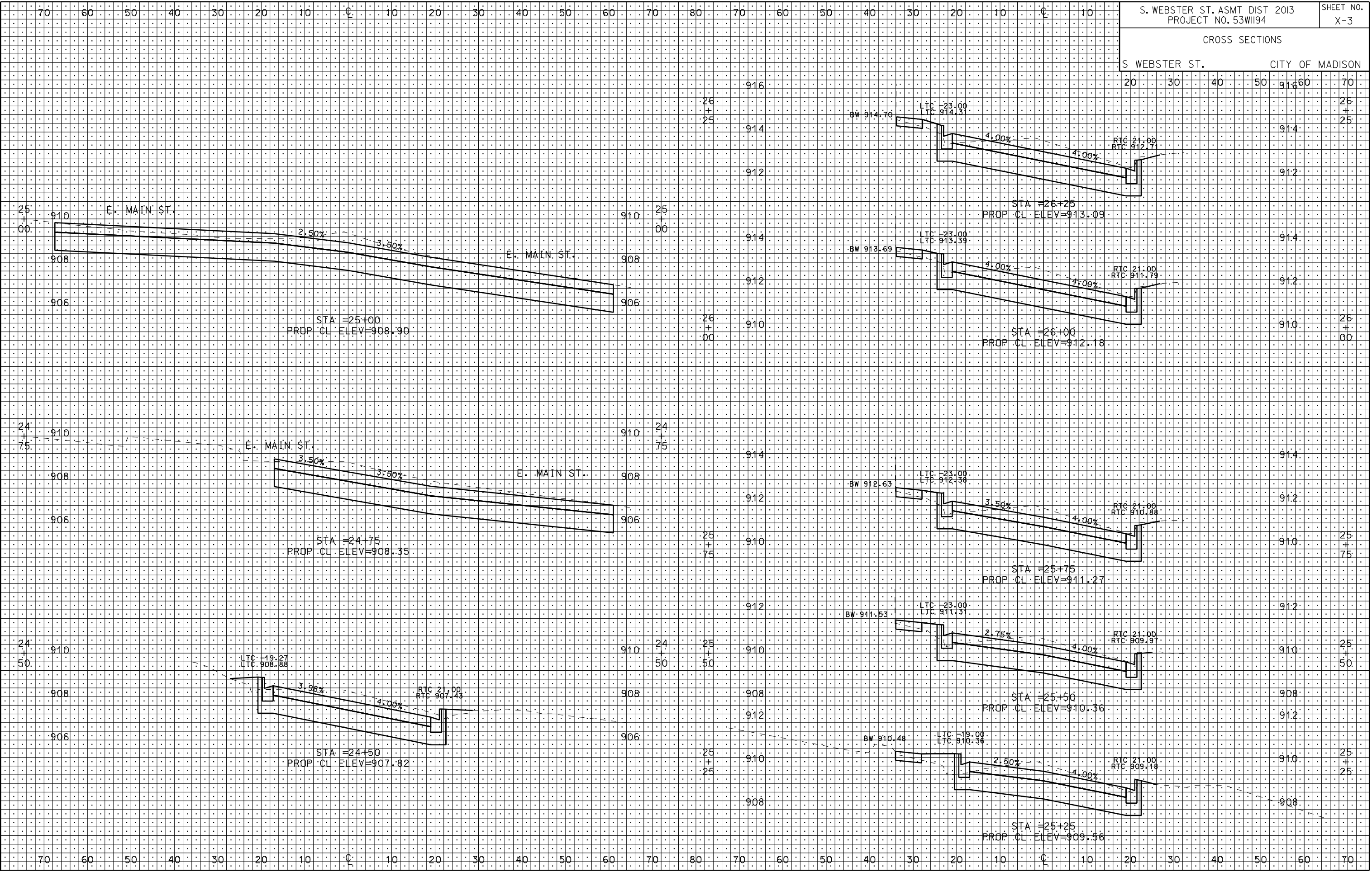
PLOT NAME: .....

REV. DATE: .....

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

S WEBSTER ST. CITY OF MADISON



PLOT SCALE: 1"=40'

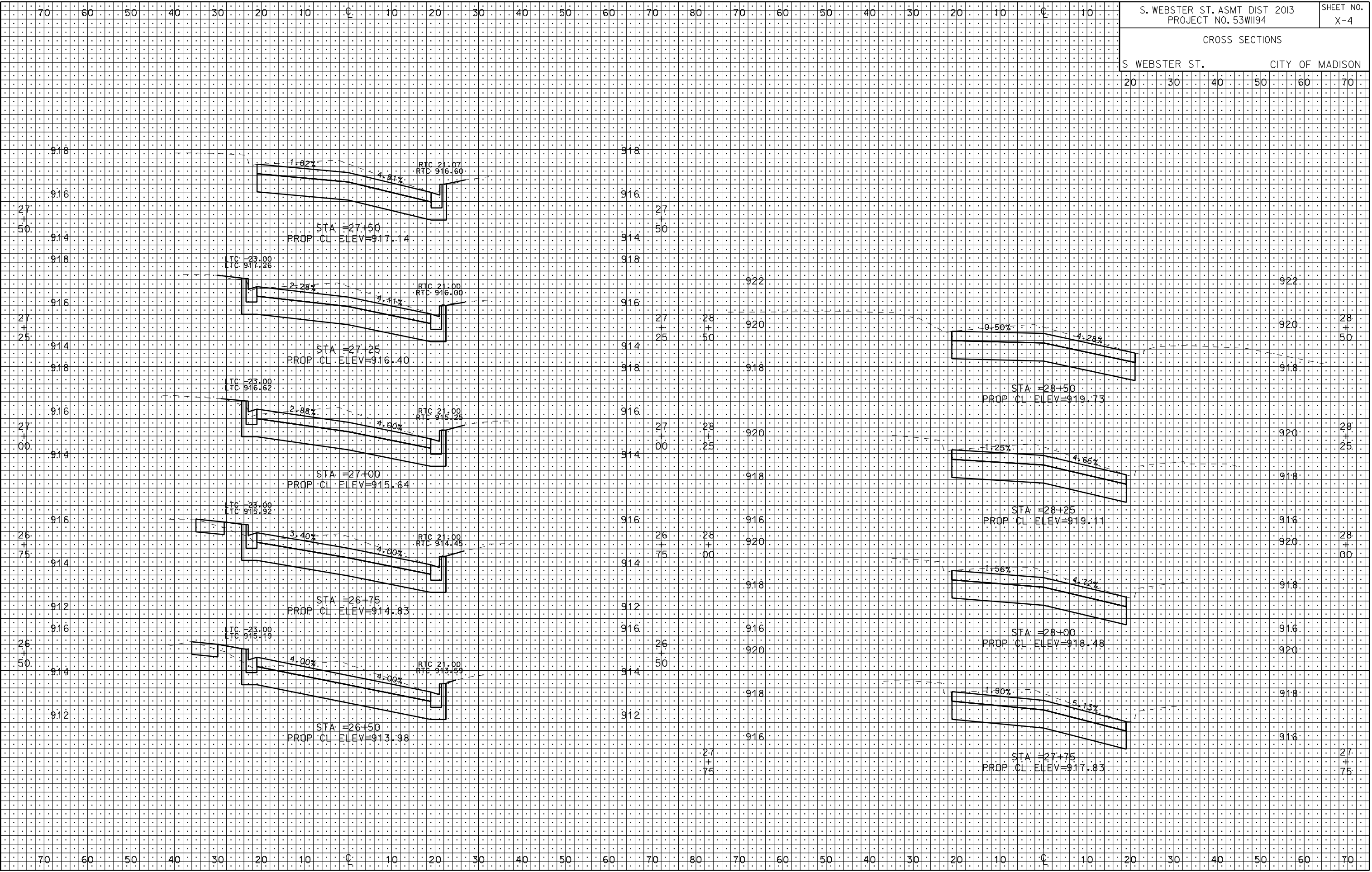
PLOT NAME: S WEBSTER ST.

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