

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 7, 2014

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 1/10/14
City Engineer Date

INDEX OF SHEETS

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| P3-P4 | UTILITY PLAN & PROFILE |
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| TC1-TC2 | PAVEMENT MARKING PLAN |
| MI | ELECTRICAL PLANS |
| E1-E2 | CROSS SECTIONS |
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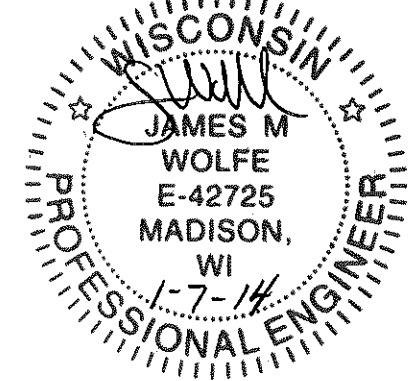
KING STREET, EAST MAIN STREET AND SOUTH PINCKNEY STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2014

CITY PROJECT NO. 53W1590
CITY CONTRACT NO. 7217

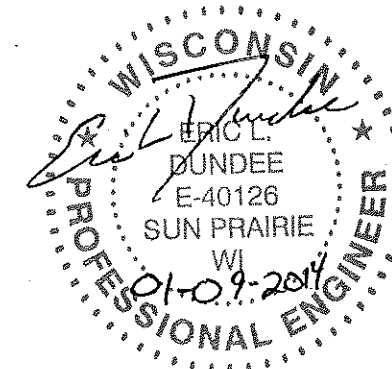
SANITARY SEWER DESIGNED BY:



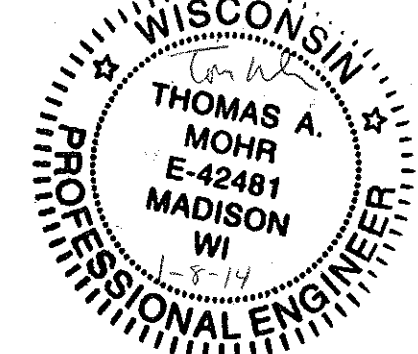
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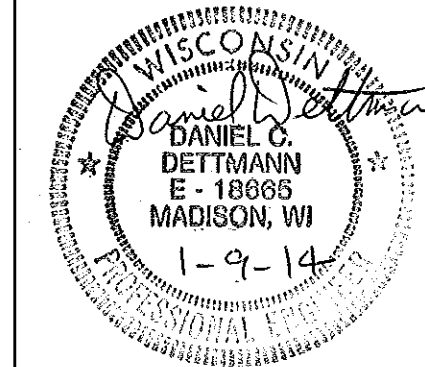
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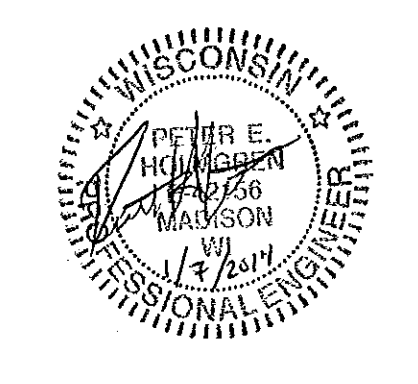
PAVEMENT MARKINGS & TRAFFIC CONTROL DESIGNED BY:



STREET LIGHTING & TRAFFIC SIGNALS DESIGNED BY:



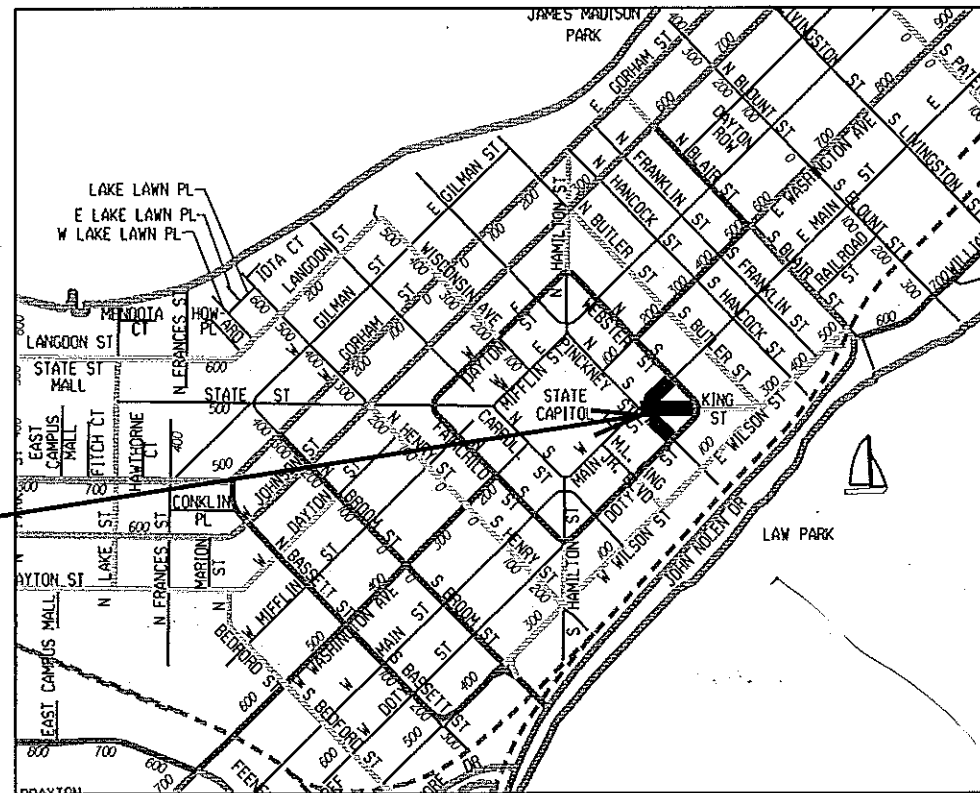
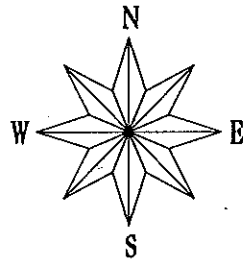
WATER DESIGNED BY:



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 | [Symbol] |
| COMBUSTIBLE FLUIDS | [Symbol] |



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) | 1,475 C.Y. |
| ESTIMATED UNDISTRIBUTED UNDERCUT | 210 C.Y. |
| TOTAL UNCLASSIFIED EXCAVATION CUT | 1,685 C.Y. |

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



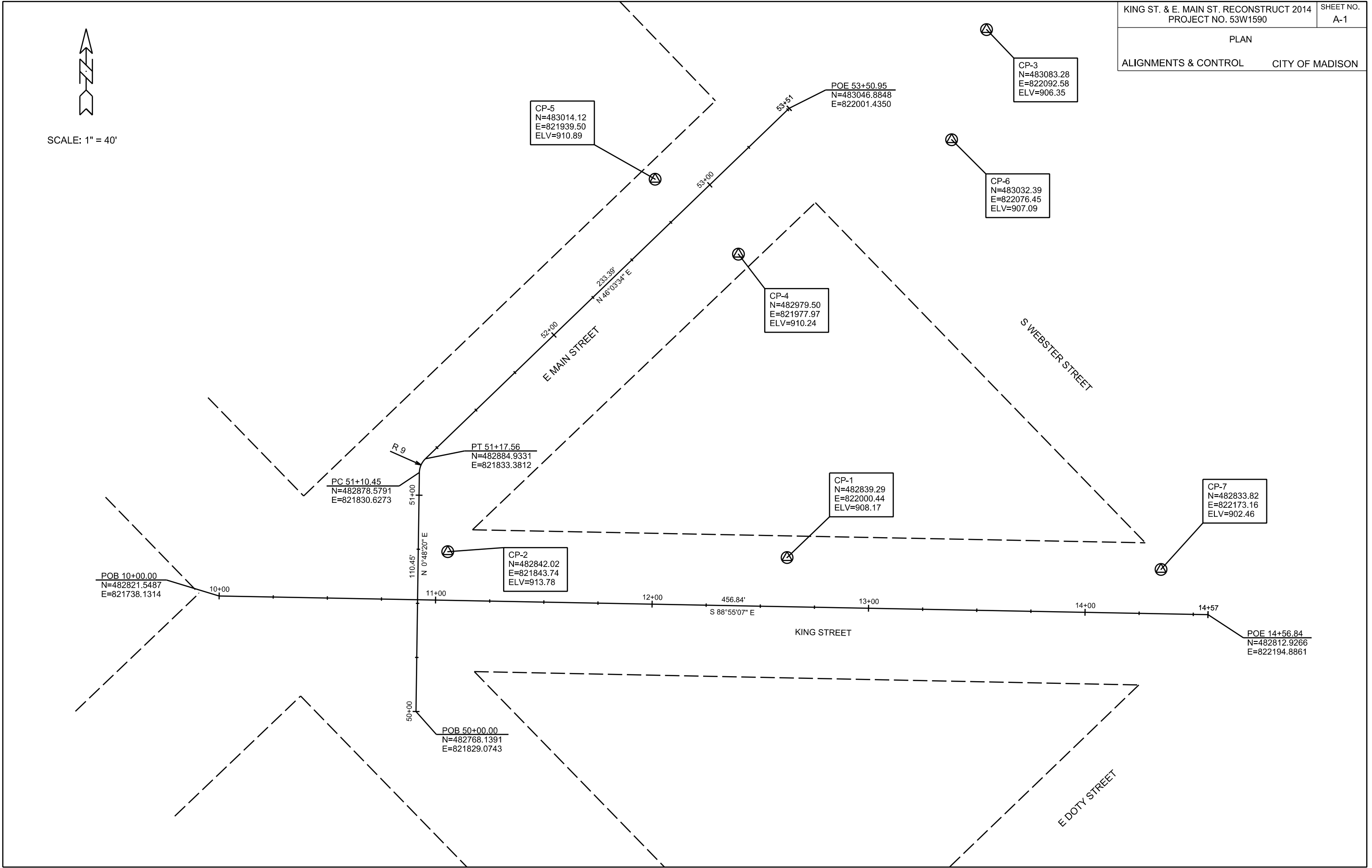
SCALE: 1" = 40'

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CP-5
N=483014.12
E=821939.50
ELV=910.89

CP-3
N=483083.28
E=822092.58
ELV=906.35

CP-6
N=483032.39
E=822076.45
ELV=907.09

CP-4
N=482979.50
E=821977.97
ELV=910.24

CP-1
N=482839.29
E=822000.44
ELV=908.17

CP-2
N=482842.02
E=821843.74
ELV=913.78

CP-7
N=482833.82
E=822173.16
ELV=902.46

POE 14+56.84
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E=822194.8861

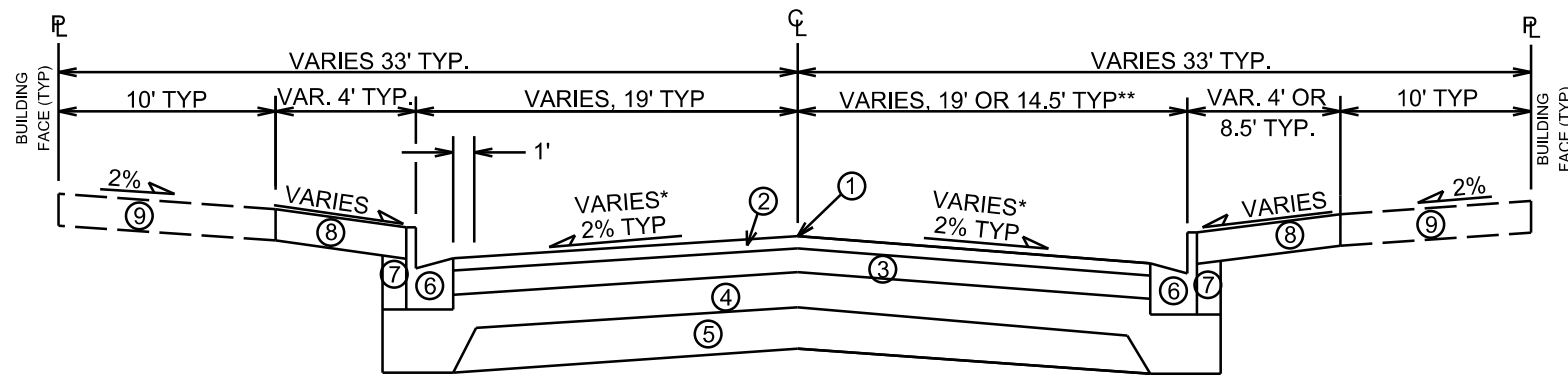
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E=821830.6273

PT 51+17.56
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E=821833.3812

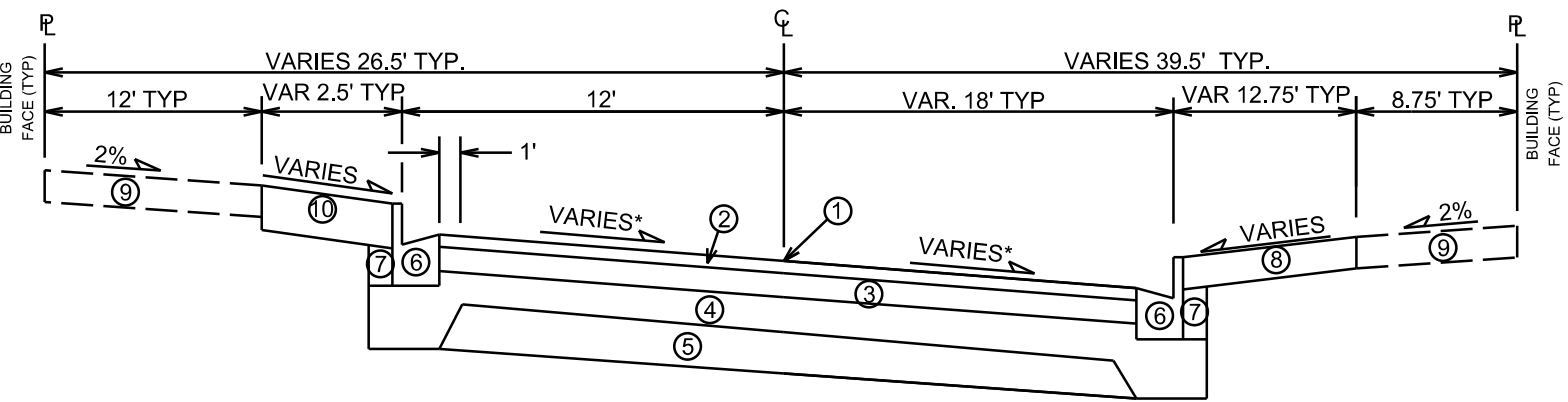
POB 50+00.00
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E=821829.0743

POB 10+00.00
N=482821.5487
E=821738.1314

POE 53+50.95
N=483046.8848
E=822001.4350



TYPICAL FINISHED SECTION
KING STREET

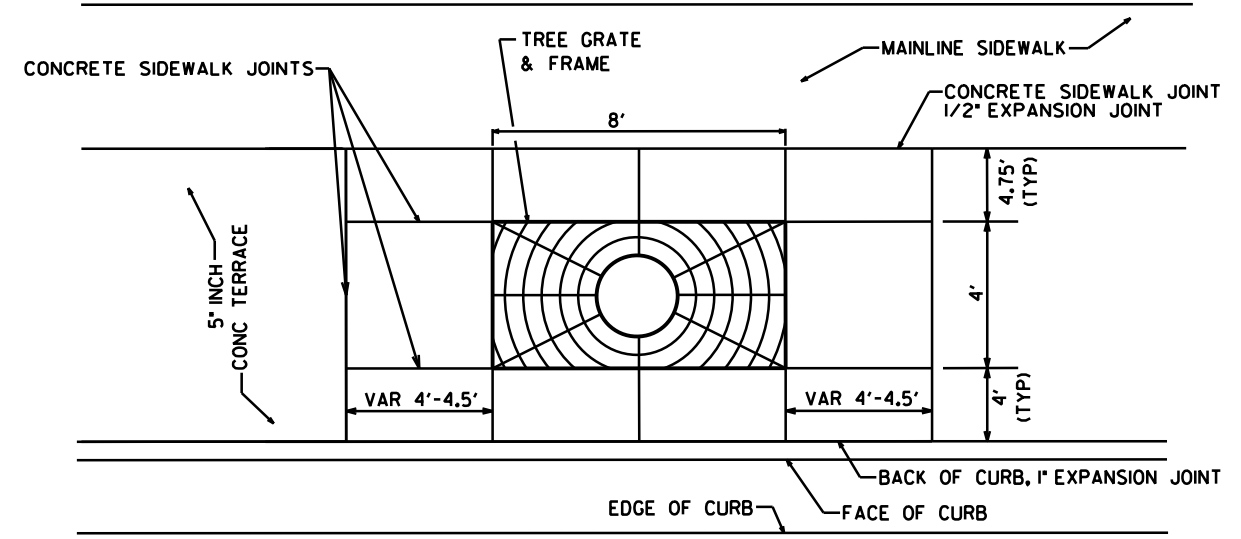


TYPICAL FINISHED SECTION
EAST MAIN STREET

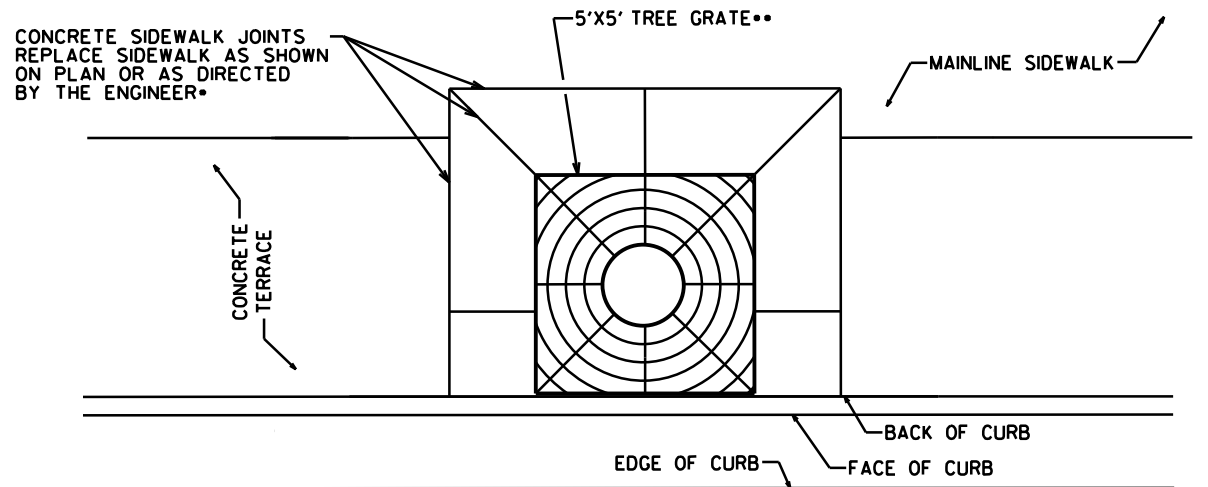
- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER, TYPE E-3
- ③ 3/4" BITUMINOUS LOWER LAYER, TYPE E-3
- ④ 4" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' OR 'X' CONCRETE CURB & GUTTER
- ⑦ FILL, INCIDENTAL
- ⑧ 5" CONCRETE TERRACE
- ⑨ 5" CONCRETE SIDEWALK, REPLACE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

* SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.
** 19' TYP FROM STA 11+50 TO STA 13+00
14.5' TYP FROM STA 13+00 TO STA 14+18

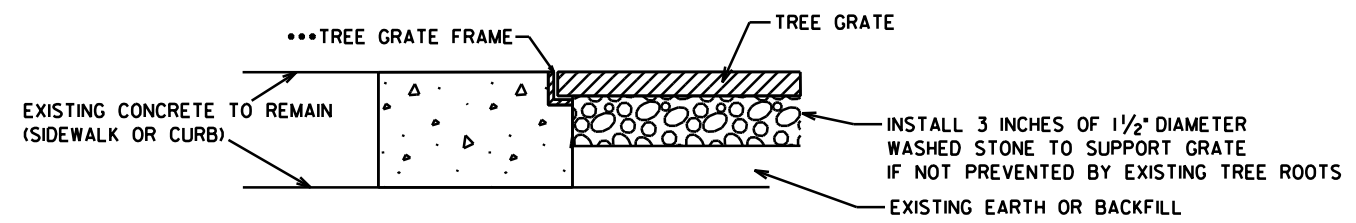
TYPICAL SECTIONS NOT TO SCALE



4'x8' TREE GRATE DETAIL (E. MAIN ST.)
NOT TO SCALE



5'x5' TREE GRATE DETAIL (KING ST. & PINCKNEY ST.)
NOT TO SCALE



TREE GRATE CROSS SECTION DETAIL
NOT TO SCALE

*** WHEN FRAME IS NOT USED, REMOVE & REPLACE ADJACENT CONCRETE AS NECESSARY, AND FORM/POUR CONCRETE SUCH THAT THE TREE GRATE IS SUPPORTED BY THE CONCRETE AND LAYS FLAT







• WHEN FRAME IS USED, ALL ADJACENT CONCRETE IS TO BE REMOVED & REPLACED SO THAT THE NEW CONCRETE CAN BE POURED AND SET WITH THE TREE GRATE FRAME. WHEN FRAME IS NOT USED, REPLACE ADJACENT CONCRETE AS NECESSARY & FORM/POUR CONCRETE SUCH THAT THE GRATE IS SUPPORTED AND LAYS FLAT AND EVEN WITH THE ADJACENT CONCRETE. ADDITIONAL FORMING & FINISHING OF CONCRETE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONCRETE ITEM.

** CUT THE OPENING IN THE TREE GRATE AS DIRECTED BY CITY FORESTRY TO PROPERLY FIT AROUND EXISTING TREES. ALL 5'x5' GRATES AROUND EXISTING TREES DO NOT INCLUDE THE FRAME. IF WORKING AROUND EXISTING TREES, CONTRACTOR WILL HAND DIG THE AREA AS NECESSARY TO ALLOW TREE GRATE TO LAY FLAT.

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

EROSION CONTROL PLAN

E. MAIN ST. CITY OF MADISON

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

1 - INLET PROTECTION TYPE D HYBRID
1 - INLET PROTECTION TYPE C MOD
ON WEBSTER ST. AT
MAIN ST. INTERSECTION

EROSION CONTROL NOTES:

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

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

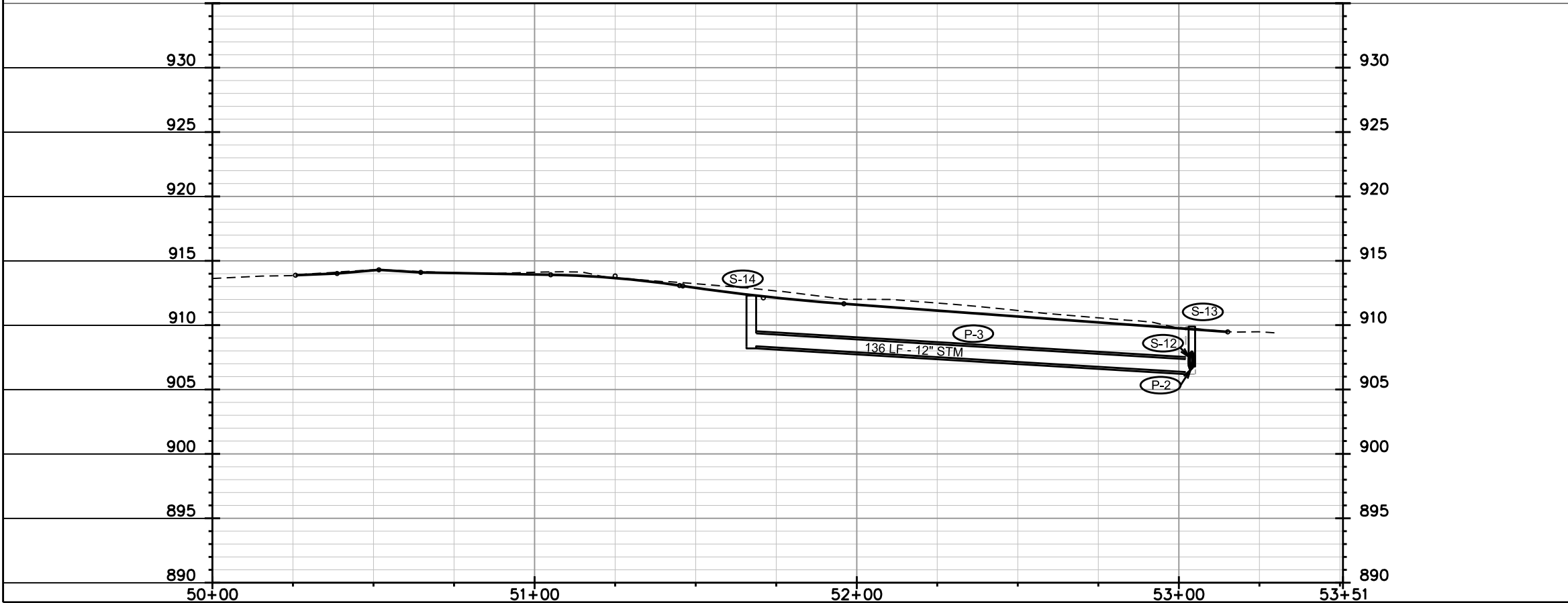
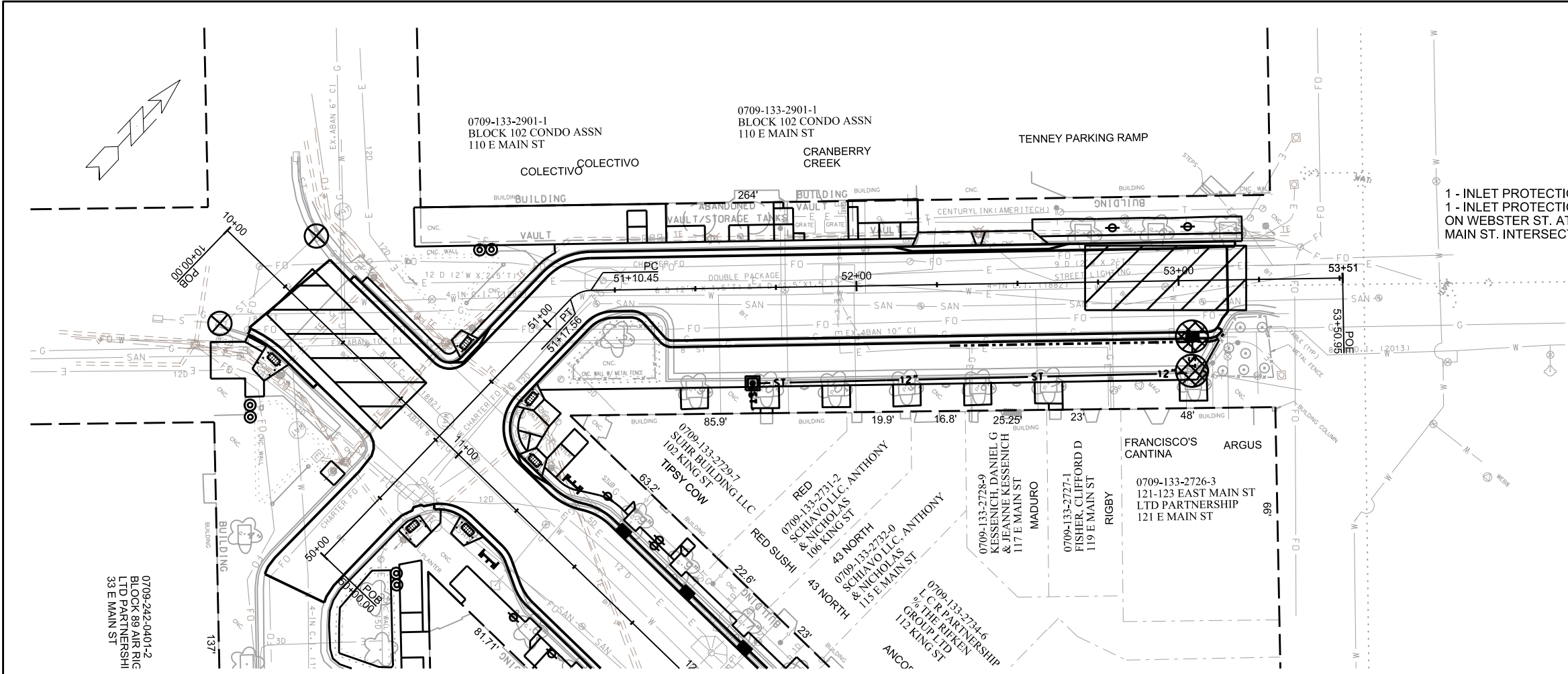
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

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

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

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

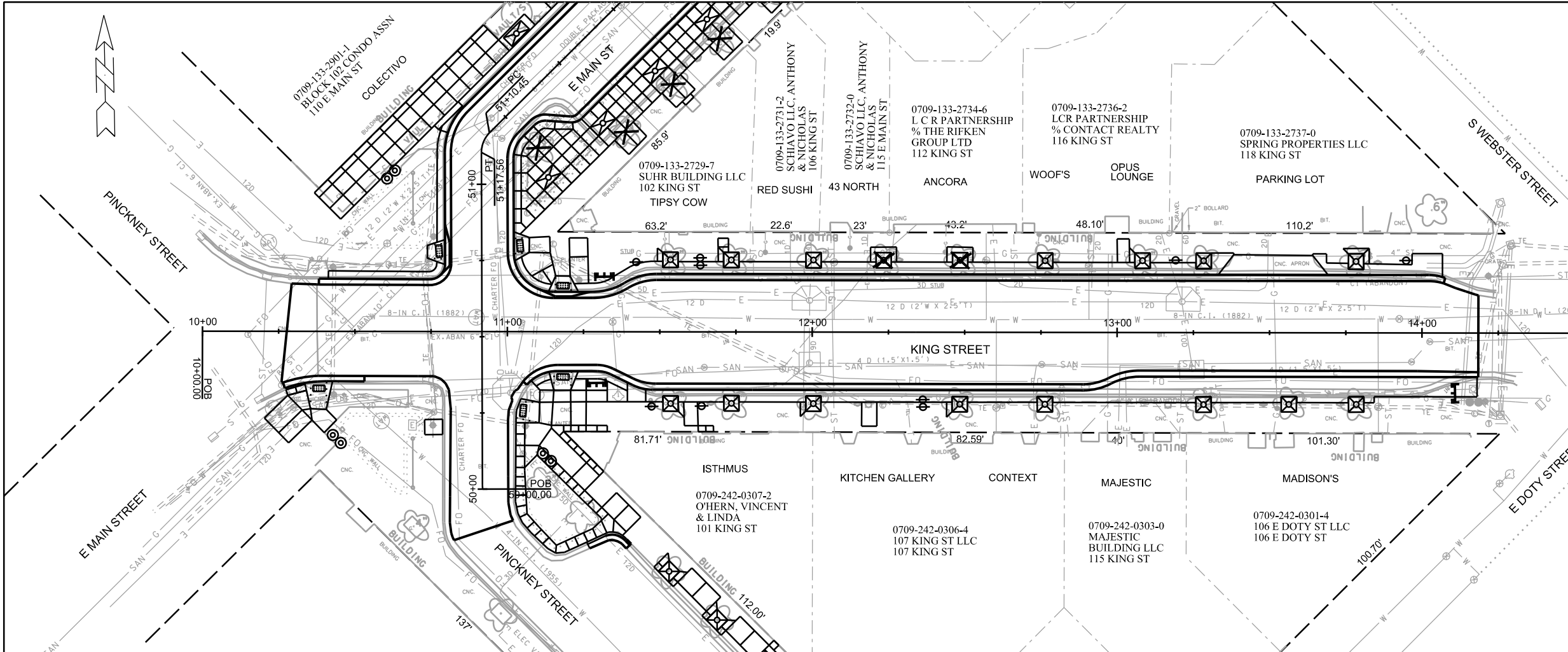


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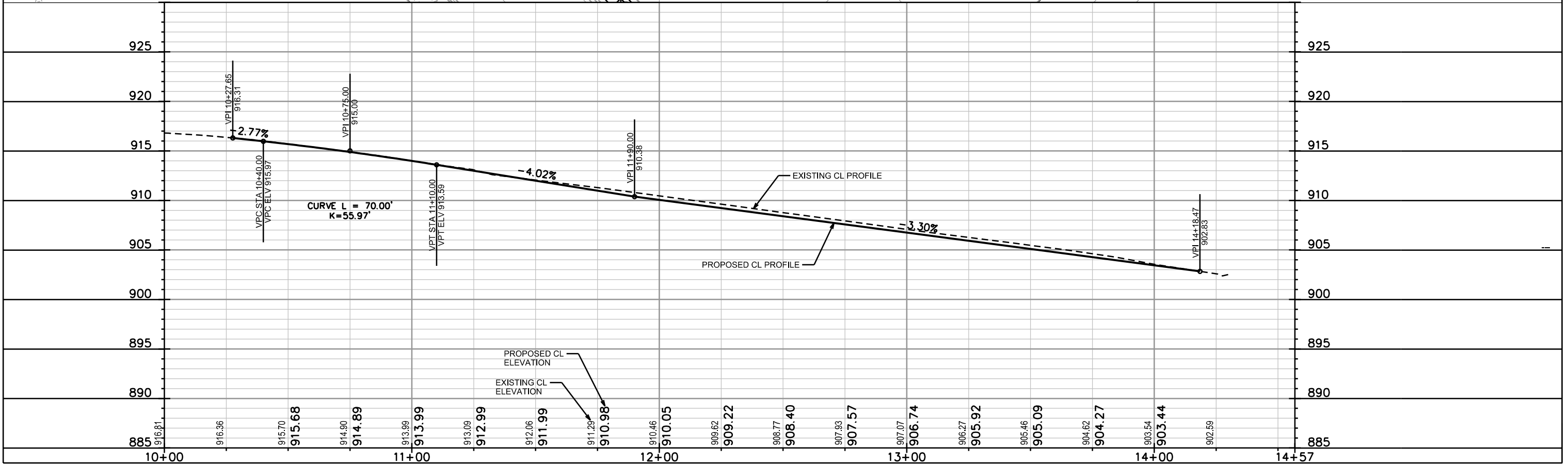
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- NOTES:
1. SEE SHEET P-3 FOR PLAN DETAILS & NOTES
 2. SEE SHEET P-4 FOR CURB GRADES DETAILS

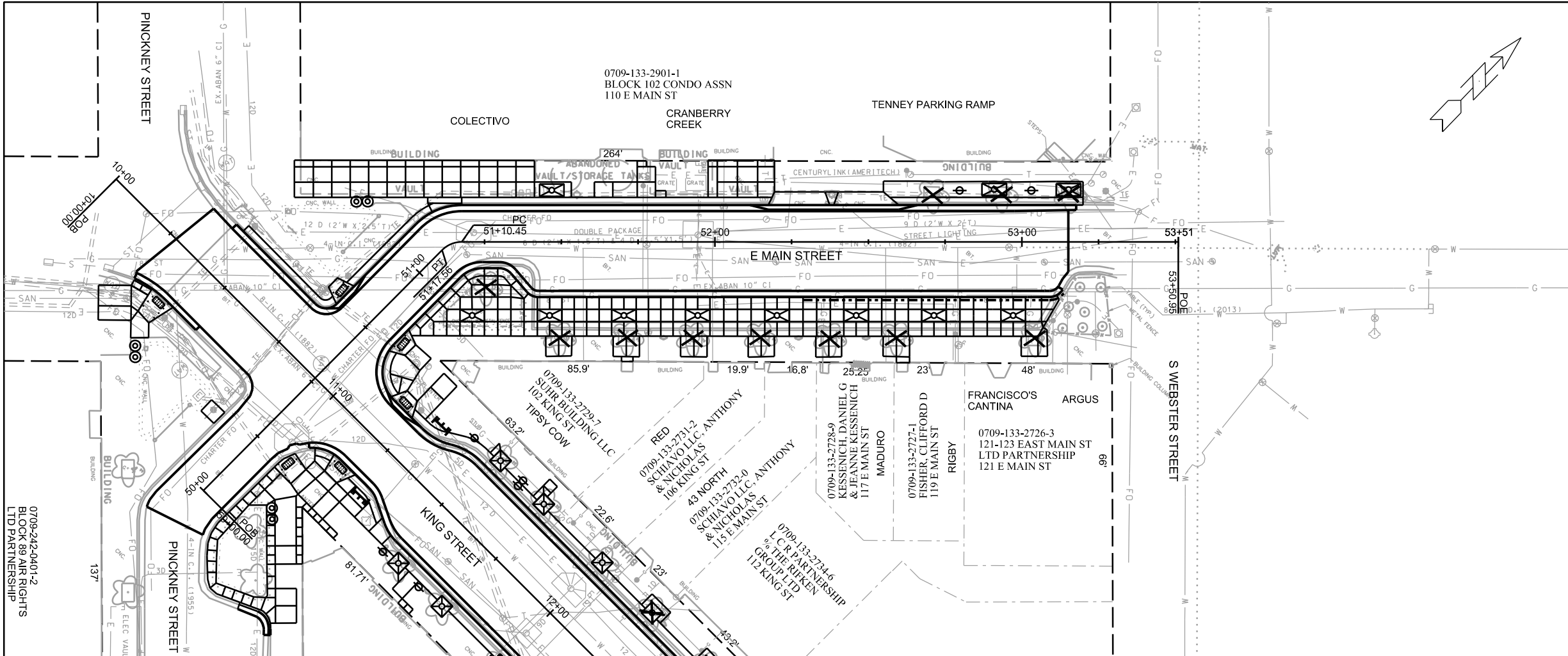


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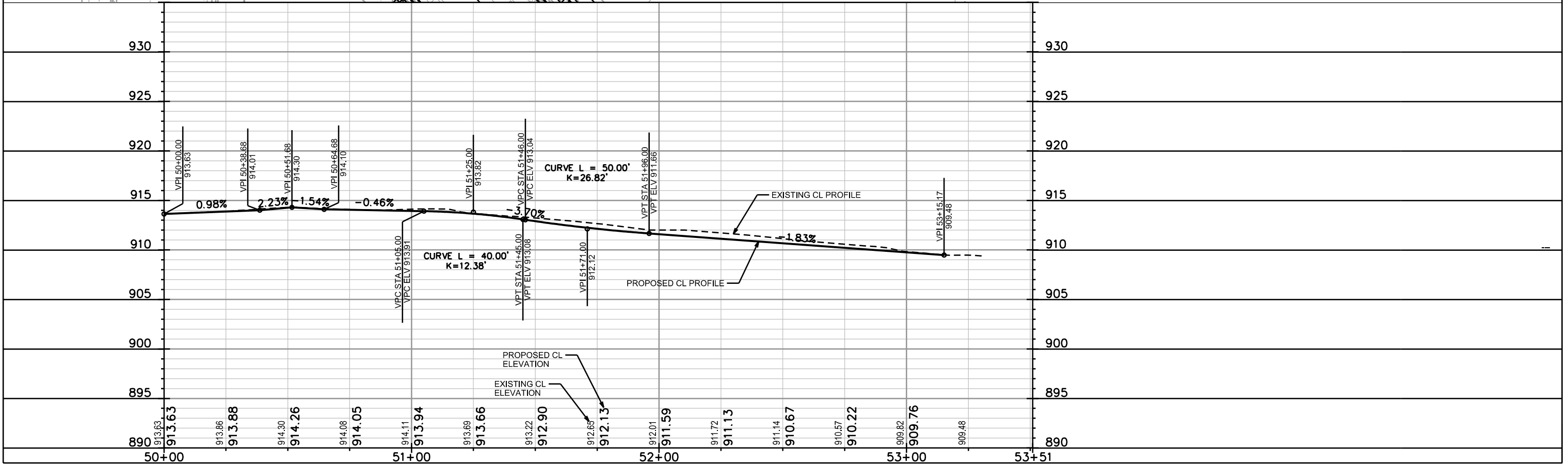
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
E. MAIN ST. CITY OF MADISON



- NOTES:
- SEE SHEET P-3 FOR PLAN DETAILS & NOTES
 - SEE SHEET P-4 FOR GRADES GRADES DETAILS

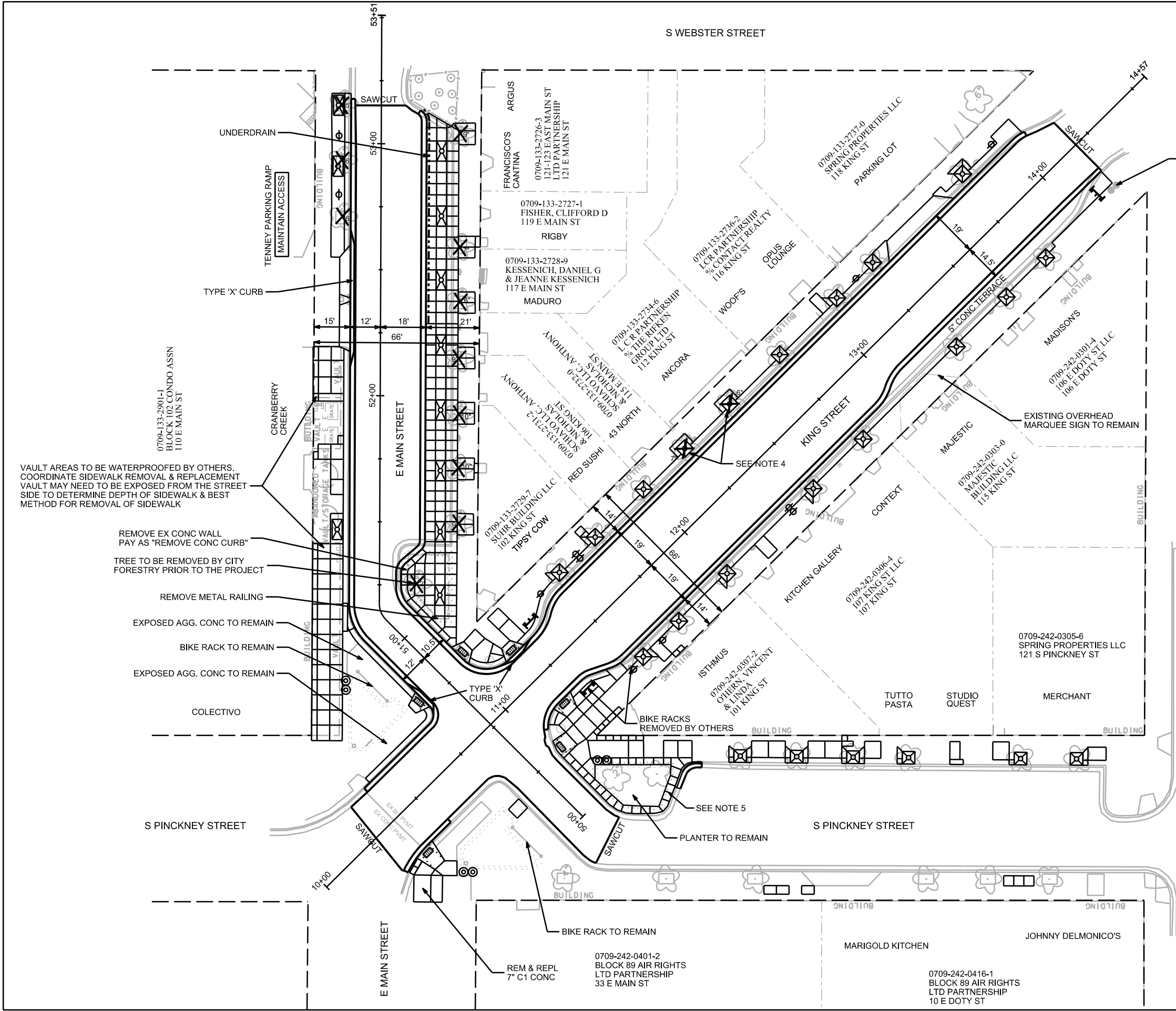


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- LEGEND**
- ☒ 5'X5' TREE GRATE W/OUT FRAME UNLESS NOTED OTHERWISE
 - ☒ 4'X8' TREE GRATE W/ FRAME
 - ✂ TREE REMOVAL (CLEAR & GRUB) SIZE NOTED
 - ≡ BIKE RACK, 3-STALL, SINGLE SIDED
 - ⊗ BIKE RACK, 2-STALL
 - ⊙ TRASH RECEPTACLE

SCALE: 1" = 40'

- NOTES:**
- 1) REPLACE SIDEWALK ON S. PINCKNEY ST. AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER
 - 2) PROPOSED JOINT PATTERN FOR NEW CONCRETE TERRACE ON SOUTH SIDE OF E. MAIN ST IS SHOWN
 - 3) CONCRETE REPLACED ADJACENT TO 5'X5' TREE GRATES SHALL BE REPLACED SUCH THAT THE TREE GRATE IS SUPPORTED BY THE CONCRETE (MATCHES EXISTING CONDITION).
 - 4) REMOVE EXISTING TREES. INSTALL 5'X5' TREE GRATES WITH FRAMES
 - 5) REMOVE EXISTING CONC BAND & PAVERS (PAY AS REM CONC) AROUND PLANTER. REPLACE WITH 5" CONC SIDEWALK.

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

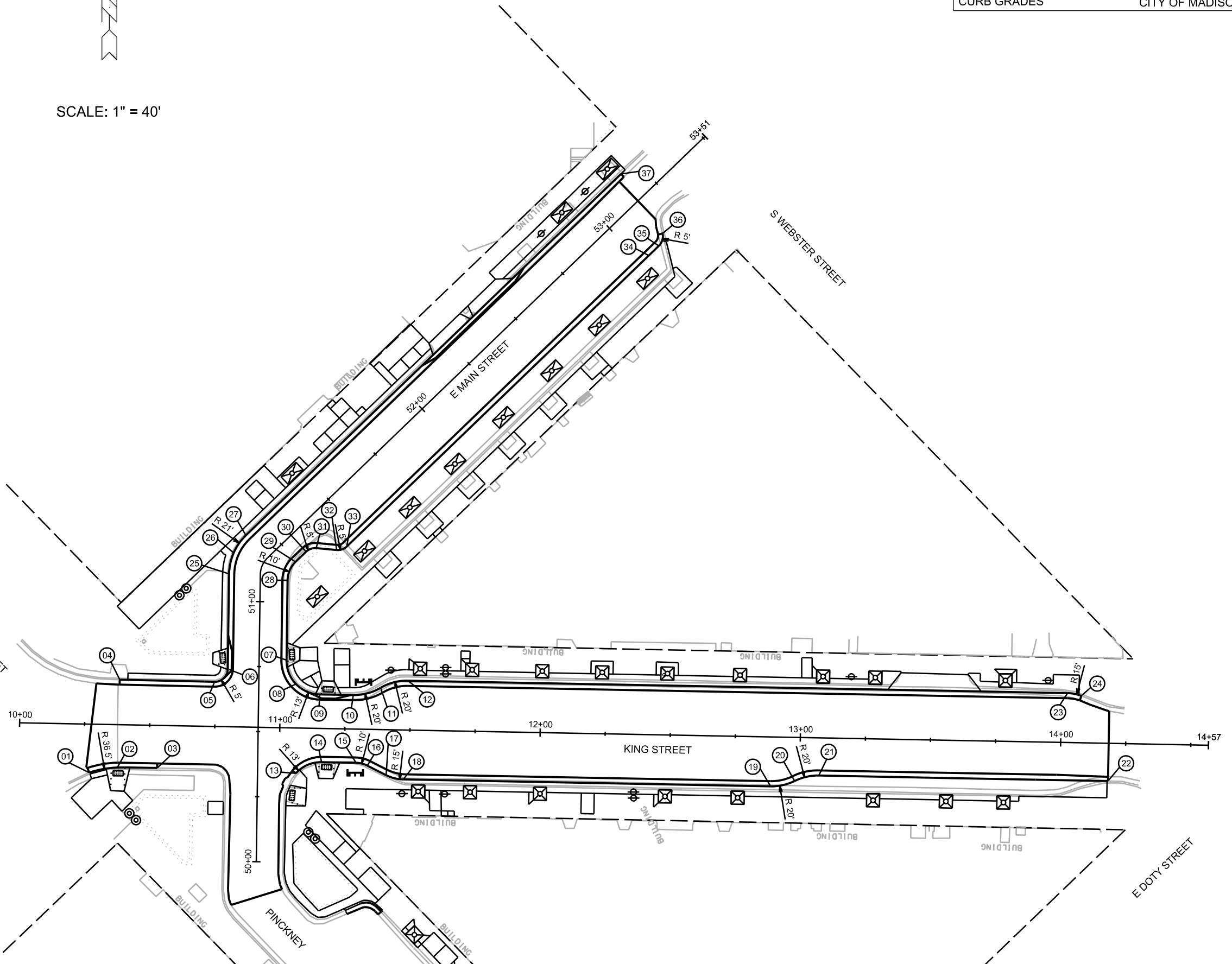
PLAN

CURB GRADES

CITY OF MADISON

| POINT | STA | OFFSET | ELEVATION | DESCRIPT |
|--------------------------------|----------|---------|-----------|-----------|
| KING STREET ALIGNMENT | | | | |
| 01 | 10+27.07 | 18.67' | 916.50 TC | MATCH EX |
| 02 | 10+37.87 | 16.47' | 916.16 TC | PT |
| 03 | 10+53.16 | 16.40' | 915.84 TC | MATCH EX |
| 04 | 10+38.17 | -17.28' | 916.24 TC | MATCH EX |
| 05 | 10+74.57 | -17.14' | 915.05 TC | PC |
| 06 | 10+79.58 | -22.16' | 914.89 TC | PC |
| 07 | 11+02.06 | -26.01' | 914.04 TC | PC, HI PT |
| 08 | 11+05.89 | -16.86' | 913.84 TC | MC |
| 09 | 11+05.06 | -13.07' | 913.52 TC | PT |
| 10 | 11+27.95 | -13.07' | 912.92 TC | PC |
| 11 | 11+38.43 | 16.04' | 912.36 TC | PRC |
| 12 | 11+48.91 | -19.00' | 911.51 TC | PT |
| 13 | 11+06.45 | 17.45' | 913.68 TC | MATCH EX |
| 14 | 11+16.29 | 12.94' | 913.49 TC | PT |
| 15 | 11+29.52 | 12.94' | 912.97 TC | PC |
| 16 | 11+33.89 | 13.94' | 912.74 TC | PT |
| 17 | 11+41.20 | 17.49' | 912.41 TC | PC |
| 18 | 11+47.75 | 19.00' | 912.08 TC | PT |
| 19 | 12+88.91 | 19.00' | 907.10 TC | PC |
| 20 | 12+98.12 | 16.75' | 906.85 TC | PRC |
| 21 | 13+07.34 | 14.50' | 906.57 TC | PT |
| 22 | 14+18.47 | 14.50' | 903.19 TC | MATCH EX |
| 23 | 14+02.29 | -19.00' | 903.39 TC | PC |
| 24 | 14+07.60 | -18.03' | 903.23 TC | MATCH EX |
| E MAIN STREET ALIGNMENT | | | | |
| 25 | 51+10.45 | -12.00' | 914.70 TC | PC |
| 26 | 51+14.00 | -12.00' | 914.65 TC | MC |
| 27 | 51+17.56 | -12.00' | 914.59 TC | PT |
| 28 | 51+08.33 | 10.50' | 913.90 TC | PC |
| 29 | 51+24.23 | 8.60' | 913.75 TC | PT |
| 30 | 51+29.83 | 8.60' | 913.63 TC | PC |
| 31 | 51+33.61 | 10.33' | 913.38 TC | PT |
| 32 | 51+38.74 | 16.27' | 912.96 TC | PC |
| 33 | 51+42.52 | 18.00' | 912.83 TC | PT |
| 34 | 53+03.63 | 18.00' | 909.89 TC | LOWPT |
| 35 | 53+09.00 | 18.00' | 909.92 TC | PC |
| 36 | 53+13.30 | 15.55' | 909.95 TC | MATCH EX |
| 37 | 53+17.71 | -12.00' | 909.75 TC | MATCH EX |

SCALE: 1" = 40'

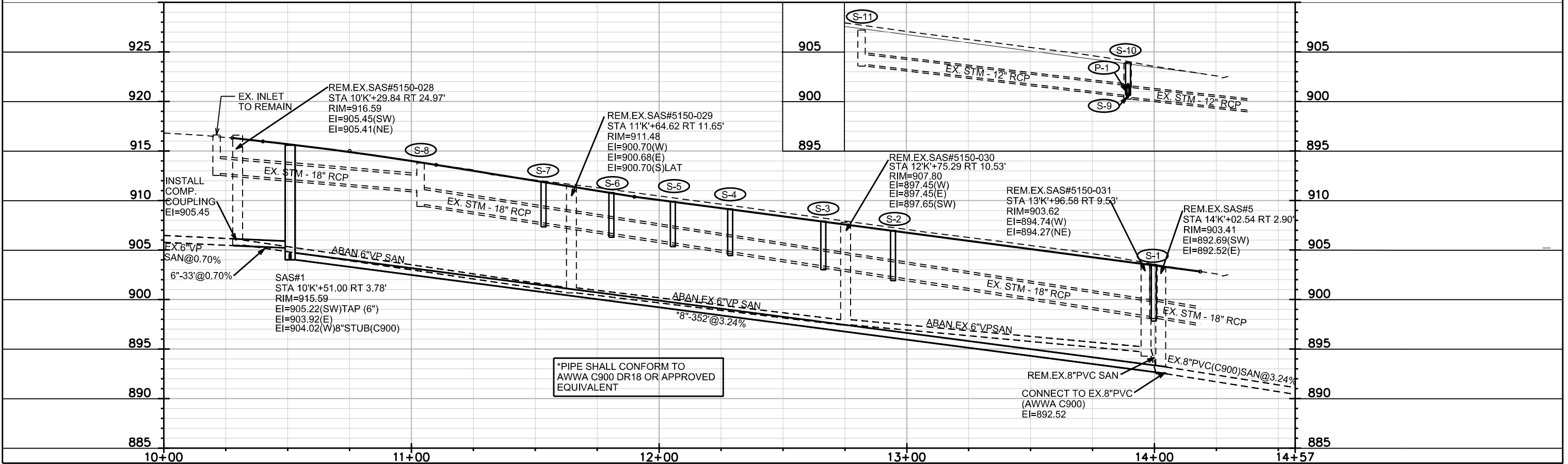
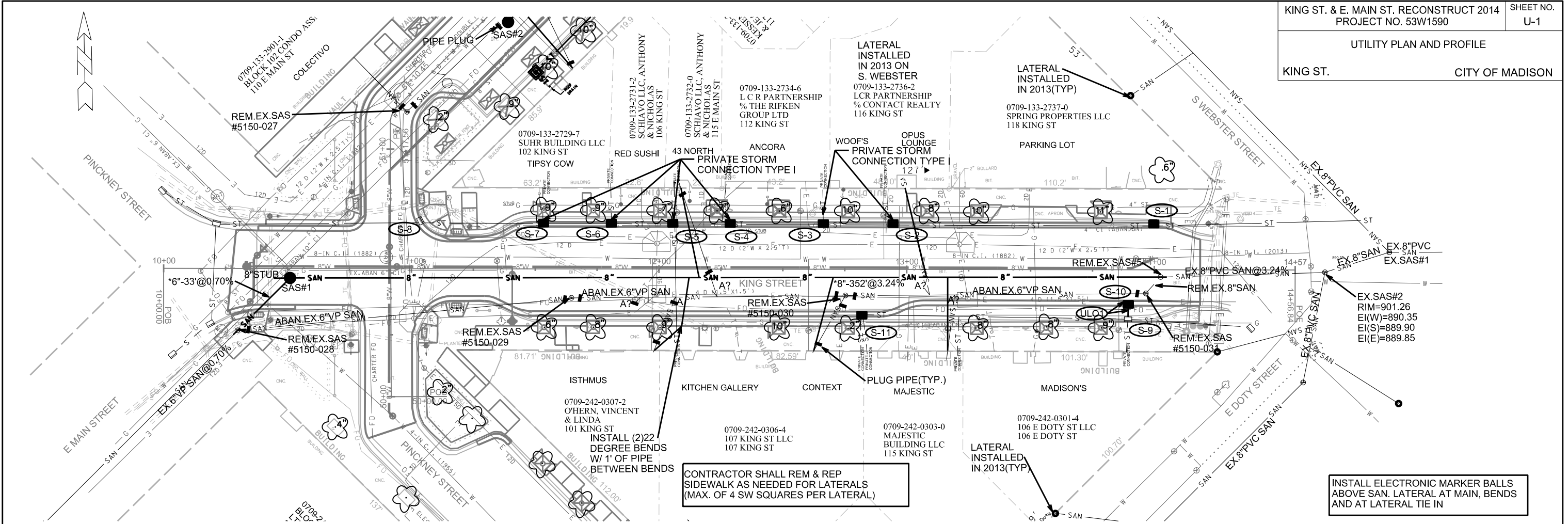


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

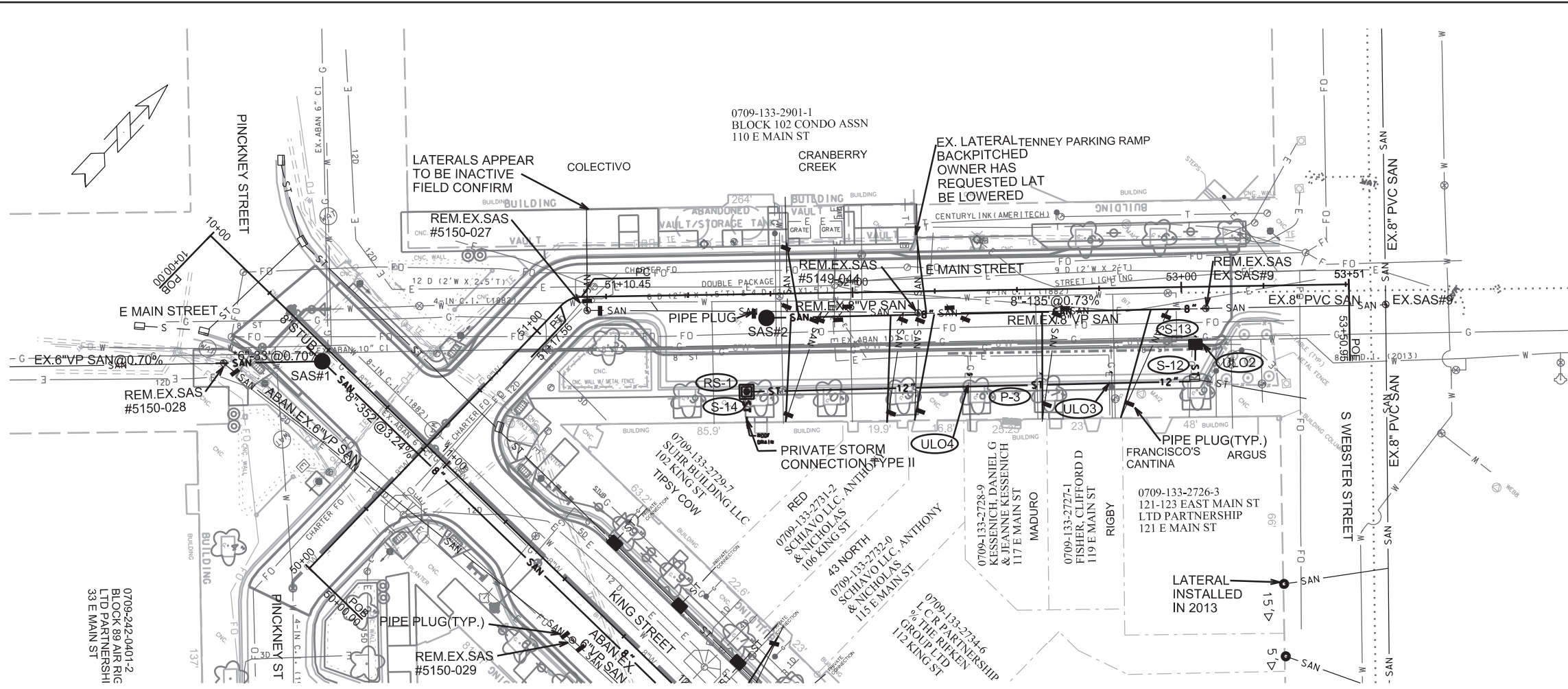
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

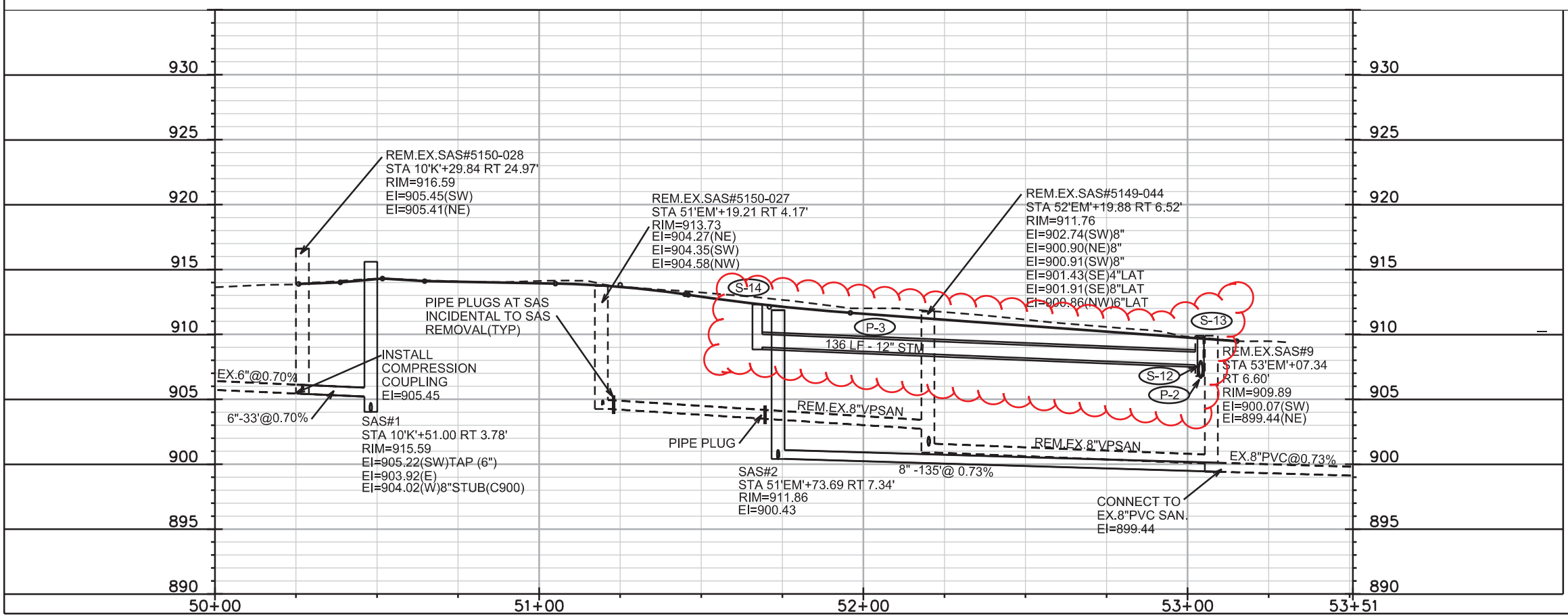
E. MAIN ST. CITY OF MADISON

REVISED 03/31/2014 ELD



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

INSTALL ELECTRONIC MARKER BALLS
ABOVE SAN. LATERAL AT MAIN, BENDS
AND AT LATERAL TIE IN.



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SCHEDULE

ALIGNMENT CODES:

'K' = KING ST
'EM' = EAST MAIN STREET

KING ST. & E. MAIN ST. RECONSTRUCTION 2014
PROJECT NO. 53W1590

SHEET NO.
U-3

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

| SAS NO. | STATION | LOCATION (OFFSET) | TOP OF CASTING | E.I. | DEPTH | NOTES |
|---------|--------------|-------------------|----------------|--------|-------|----------------------------------------|
| SAS #1 | 10'K+51.00 | RT-3.78 | 915.59 | 903.92 | 11.67 | TAP CONNECT 6" DIA. MAIN ON E.MAIN ST. |
| SAS #2 | 51'EM'+73.69 | RT-7.34 | 911.86 | 900.43 | 11.43 | |

PROPOSED SANITARY PIPES

| FROM SAS (DWNSTRM) | TO SAS (UPSTREAM) | EI # (DWNSTRM) | EI # (UPSTRM) | LENGTH (FT) | SLOPE (%) | SIZE (DIA) | PVC TYPE | NOTES: |
|--------------------|-------------------|----------------|---------------|-------------|-----------|------------|-----------------|-----------------------------------------|
| EX.SAS#5 | SAS#1 | 892.52 | 903.92 | 352 | 3.24% | 8" | AWWA C900 DR 18 | CONNECT TO EX.8" PVC SAN |
| SAS#1 | EX.SAS#5150-028 | 905.22 | 905.45 | 33 | 0.70% | 6" | SDR-35 | CONNECT TO EX.8" VP SAN, COMP. COUPLING |
| EX.SAS#9 | SAS#2 | 899.44 | 900.43 | 135 | 0.73% | 8" | SDR-35 | |

SANITARY SEWER STRUCTURE REMOVALS

| STRUC. ID NO. | STATION | LOCATION (OFFSET) | TOP OF CASTING | E.I. | DEPTH |
|---------------|--------------|-------------------|----------------|--------|-------|
| EX.SAS#9 | 53'EM'+07.34 | RT-6.60 | 909.89 | 899.44 | 10.45 |
| 5149-044 | 52'EM'+19.90 | RT-6.52 | 911.76 | 900.86 | 10.90 |
| 5150-027 | 51'EM'+19.21 | RT-4.17 | 913.73 | 904.27 | 9.46 |
| 5150-028 | 10'K'+29.84 | RT-24.97 | 916.59 | 905.41 | 11.18 |
| EX.SAS#5 | 14'K'+02.54 | RT-2.90 | 903.41 | 892.52 | 10.89 |
| 5150-031 | 13'K'+96.58 | RT-9.53 | 903.62 | 894.27 | 9.35 |
| 5150-030 | 12'K'+75.29 | RT-10.53 | 907.80 | 897.45 | 10.35 |
| 5150-029 | 11'K'+64.62 | RT-11.65 | 911.48 | 900.68 | 10.80 |

SANITARY SEWER PIPE REMOVALS

| REMOVE FROM | REMOVE TO | LENGTH (FT) | PAID (Y/N) | NOTES |
|--------------------------|-----------------|-------------|------------|-------|
| EX.SAS#5 | EX.SAS 5150-031 | 9 | Y | 8"PVC |
| STA 51'EM'+38.87 RT 7.44 | EX.SAS#5149-044 | 81 | N | 8" VP |
| EX.SAS#5149-044 | EX.SAS#9 | 87 | N | 8" VP |

ABANDON SANITARY SEWER

| ABANDON FROM | ABANDON TO | LENGTH (FT) | PIPE SIZE | TYPE | NOTES |
|-----------------|---------------------------|-------------|-----------|------|-----------------------------------------------------------------------|
| 5150-031 | 5150-030 | 122 | 8" | VP | PIPE PLUGS INCIDENTAL TO SEWER ACCESS STRUCTURE ABANDONMENTS |
| 5150-030 | 5150-029 | 101 | 8" | VP | PIPE PLUGS INCIDENTAL TO SEWER ACCESS STRUCTURE ABANDONMENTS |
| 5150-029 | 5150-030 | 111 | 8" | VP | PIPE PLUGS INCIDENTAL TO SEWER ACCESS STRUCTURE ABANDONMENTS |
| 5150-028 | 5150-029 | 136 | 8" | VP | PIPE PLUGS INCIDENTAL TO SEWER ACCESS STRUCTURE ABANDONMENTS |
| EX.SAS 5150-027 | STA 51'EM'+73.69 RT 7.43' | 53 | 8" | VP | PIPE PLUG INCIDENTAL TO SAS 5150-027 REMOVAL, PIPE PLUG @ SAS #2 PAID |

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

ORIGINATOR: CITY OF MADISON STREETS DIVISION

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'K' = KING STREET
'M' = MAIN STREET

REVISED 03/31/2014 ELD

KING ST & MAIN ST ASSMT DIST 2014
PROJECT NO. 53W1590

SHEET NO.
U-4

STORM SEWER SCHEDULE
CITY OF MADISON

STRUCTURES

| STRUC. NO. | STATION | LOCATION (OFFSET) | TYPE | TOP OF CASTING | E.I. | DEPTH | NOTES |
|------------|-------------|-------------------|---------------|----------------|--------|-------|------------------------------------------|
| S-1 | 14'K'+00.00 | LT-18.50 | REBUILD ROOF | 903.48 | 897.83 | 5.65 | (1) |
| S-2 | 12'K'+94.50 | LT-18.50 | H INLET | 906.96 | 901.90 | 5.06 | (2), (5), FP, W/R-3067-7004-V |
| S-3 | 12'K'+66.30 | LT-18.50 | H INLET | 907.89 | 903.00 | 4.89 | (2), (5), FP, W/R-3067-7004-V |
| S-4 | 12'K'+28.70 | LT-18.50 | H INLET | 909.14 | 904.44 | 4.70 | (2), (5), FP, W/R-3067-7004-V |
| S-5 | 12'K'+05.50 | LT-18.50 | H INLET | 909.90 | 905.34 | 4.56 | (2), (5), FP, W/R-3067-7004-V |
| S-6 | 11'K'+80.70 | LT-18.50 | H INLET | 910.79 | 906.29 | 4.50 | (2), (5), FP, W/R-3067-7004-V |
| S-7 | 11'K'+53.30 | LT-18.50 | H INLET | 911.89 | 907.35 | 4.54 | (2), (5), FP, W/R-3067-7004-V (SALVAGED) |
| S-8 | 11'K'+03.88 | LT-19.58 | ADJUST | 913.94 | -- | -- | |
| S-9 | 13'K'+89.50 | RT-19.50 | TAP | -- | 902.00 | -- | (3), W/R-1550-0054 |
| S-10 | 13'K'+89.50 | RT-14.00 | H INLET | 903.91 | 902.07 | 1.84 | (2), FP, W/R-3067-7004-V (SALVAGED) |
| S-11 | 12'K'+81.90 | RT-18.50 | EX. 3'X3' SAS | 907.38 | -- | -- | (4), W/R-3067-7004-V |
| S-12 | 53'M'+04.00 | RT-26.00 | TAP (SW) | -- | 907.64 | -- | (3), W/R-1550-0054 |
| | | | TAP (NW) | -- | 907.00 | -- | |
| S-13 | 53'M'+04.00 | RT-17.50 | H INLET | 909.89 | 907.39 | 2.50 | (2), LP, FP, W/R-3067-7004-VB |
| S-14 | 51'M'+67.30 | RT-29.70 | 3' X 3' SAS | 912.33 | 909.00 | 3.33 | (6), W/R-1550-0054 |

PIPES

| PIPE NO. | FROM (DNSTM) | TO (UPSTM) | LGTH (FT) | DISCH. E.I. | INLET E.I. | SLOPE (%) | PIPE SIZE | TYPE | NOTES |
|----------|--------------|------------|-----------|-------------|------------|-----------|-----------|--------------|-------|
| P-1 | S-9 | S-10 | 7 | 902.00 | 902.07 | 1.00% | 8" | STORM (C900) | |
| P-2 | S-12 | S-13 | 11 | 907.00 | 907.39 | 3.55% | 12" | STORM | |
| P-3 | S-12 | S-14 | 136 | 907.64 | 909.00 | 1.00% | 12" | STORM | |

STORM SEWER STRUCTURE REMOVALS

| STRUCTURE REMOVAL NO. | STRUC. ID NO. | STATION | LOCATION (OFFSET) | TYPE | NOTES |
|-----------------------|---------------|-------------|-------------------|-----------------------|-------|
| RS-1 | UNNAMED | 51'M'+67.30 | RT-29.70 | CURB OUTLET STRUCTURE | |

ULOs

| STRUC. NO. | STATION | LOCATION (OFFSET) | TYPE |
|------------|-------------|-------------------|-----------------------------------|
| ULO1 | 13'K'+89.50 | RT-16.50 | FO, E(DUCT PACKAGE), TE INTERDUCT |
| ULO2 | 53'M'+04.00 | RT-17.50 | GAS, WATER |
| ULO3 | 52'M'+39.00 | RT-29.00 | GAS, ELECTRIC |
| ULO4 | 52'M'+78.00 | RT-29.00 | GAS, ELECTRIC |

SPECIFIC NOTES

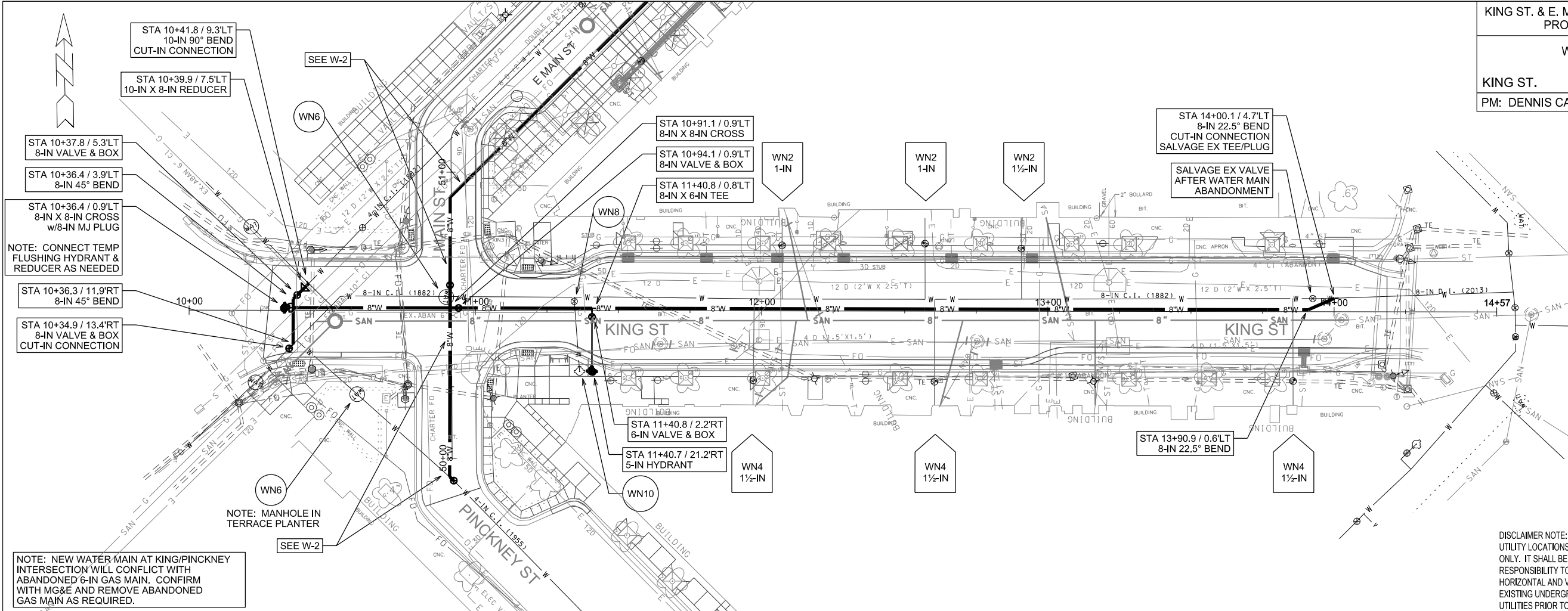
- (1) REMOVE AND REPLACE STRUCTURE ROOF, SALVAGE AND REUSE CASTING -BID ITEM 90034
- (2) CONNECTION TO EXISTING 18" RCP, MATCH EXISTING E.I.
- (3) CONNECTION TO EXISTING INLET, REMOVE & SALVAGE EXISTING R-3067-7004 CASTING, ADJUST STRUCTURE, PLACE R-1550-0054 CASTING - BID ITEM 90032
- (4) REMOVE & SALVAGE EXISTING R-1550 CASTING, ADJUST STRUCTURE, PLACE R-3067-7004-V CASTING - BID ITEM 90033
- (5) TYPE I PRIVATE STORM RECONNECT
- (6) TYPE II PRIVATE STORM RECONNECT

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 ERIC DUNDEE OF CITY ENGINEERING AT (608) 266-4913, EDUNDEE@CITYOFMADISON.COM, FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

WATER PLAN AND PROFILE

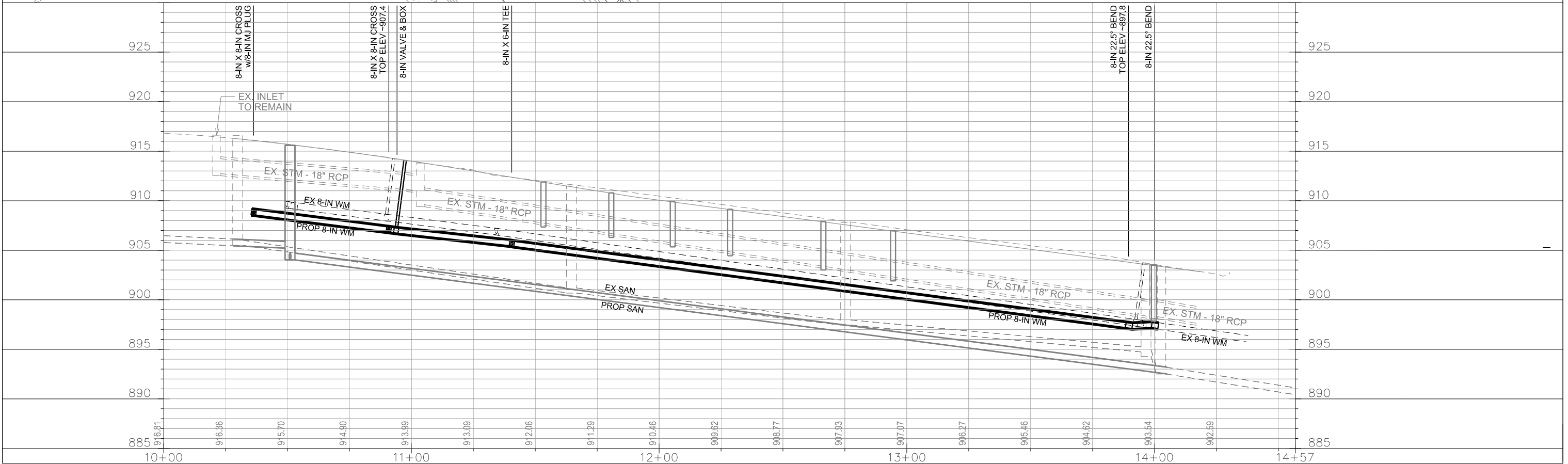
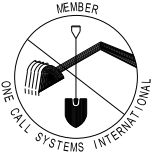
KING ST. CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: PEH



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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

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



PLOT SCALE: _____

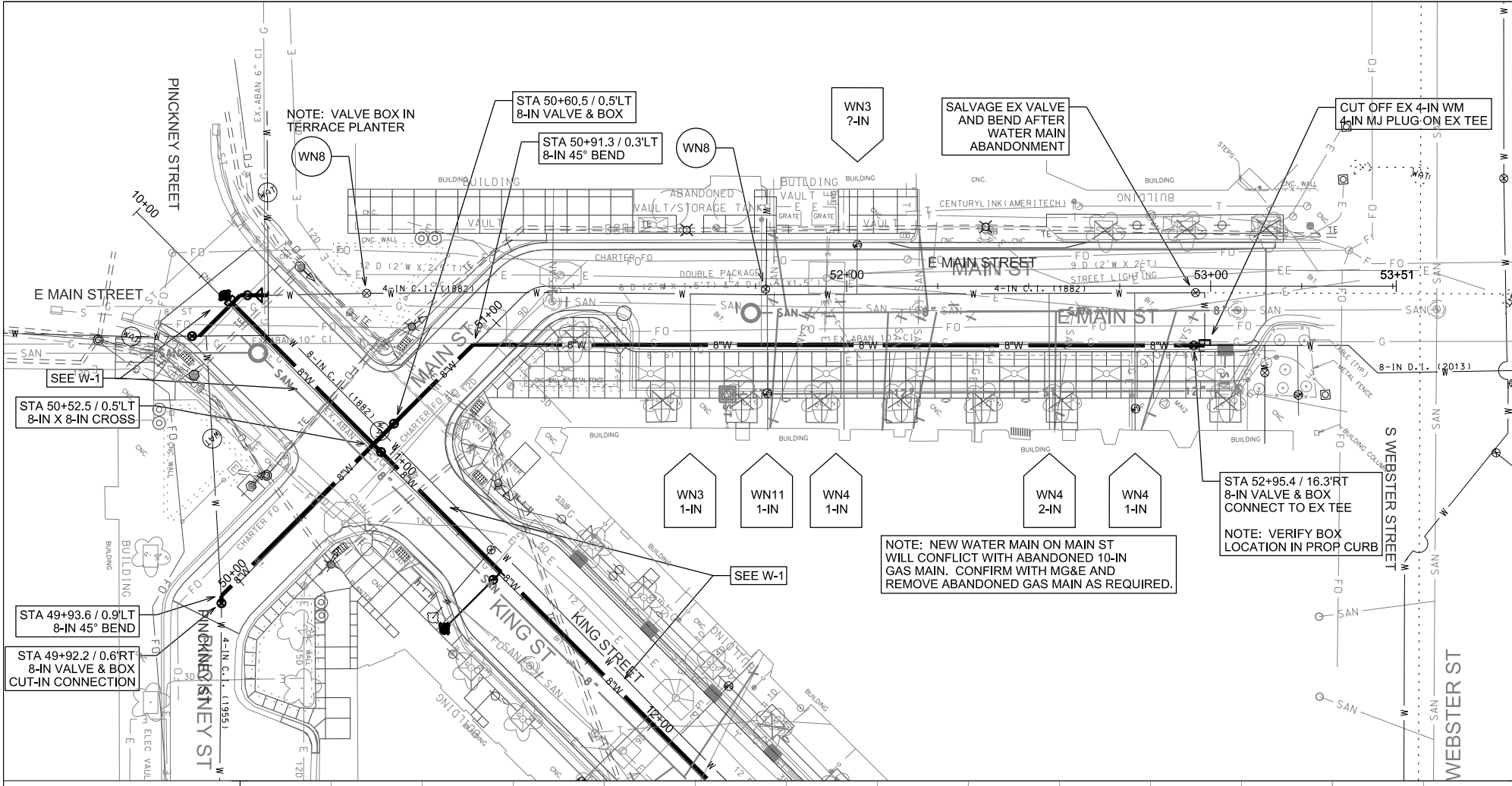
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

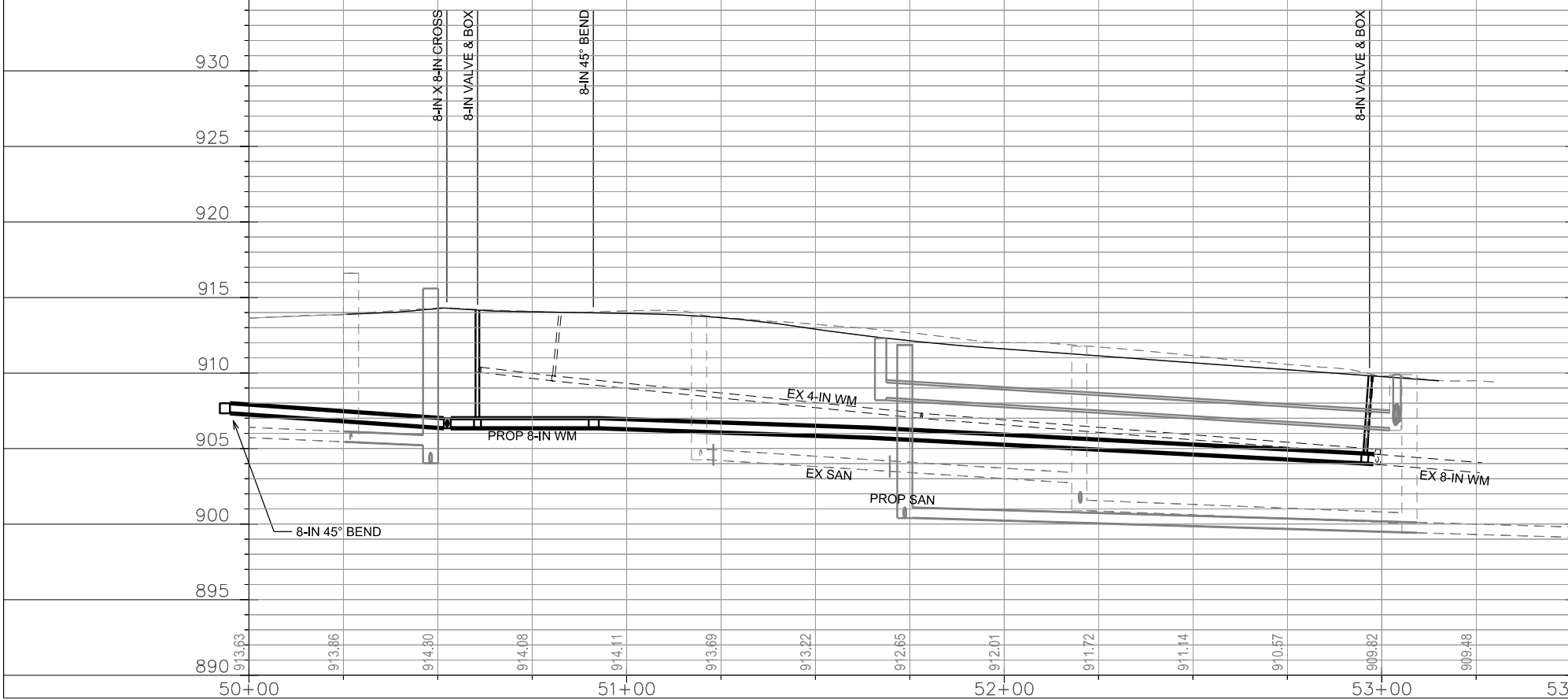
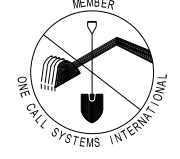
WATER PLAN AND PROFILE

E. MAIN ST. CITY OF MADISON
PM: DENNIS CAWLEY DESIGNER: PEH



DISCLAIMER NOTE:
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NOTICE BEFORE YOU EXCAVATE.



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CUT-IN 90° BEND (W-1)
-TURN VALVES:
*V-9 *V-10 *V-51
*V-52 *V-96
-NOTIFY:
*NONE

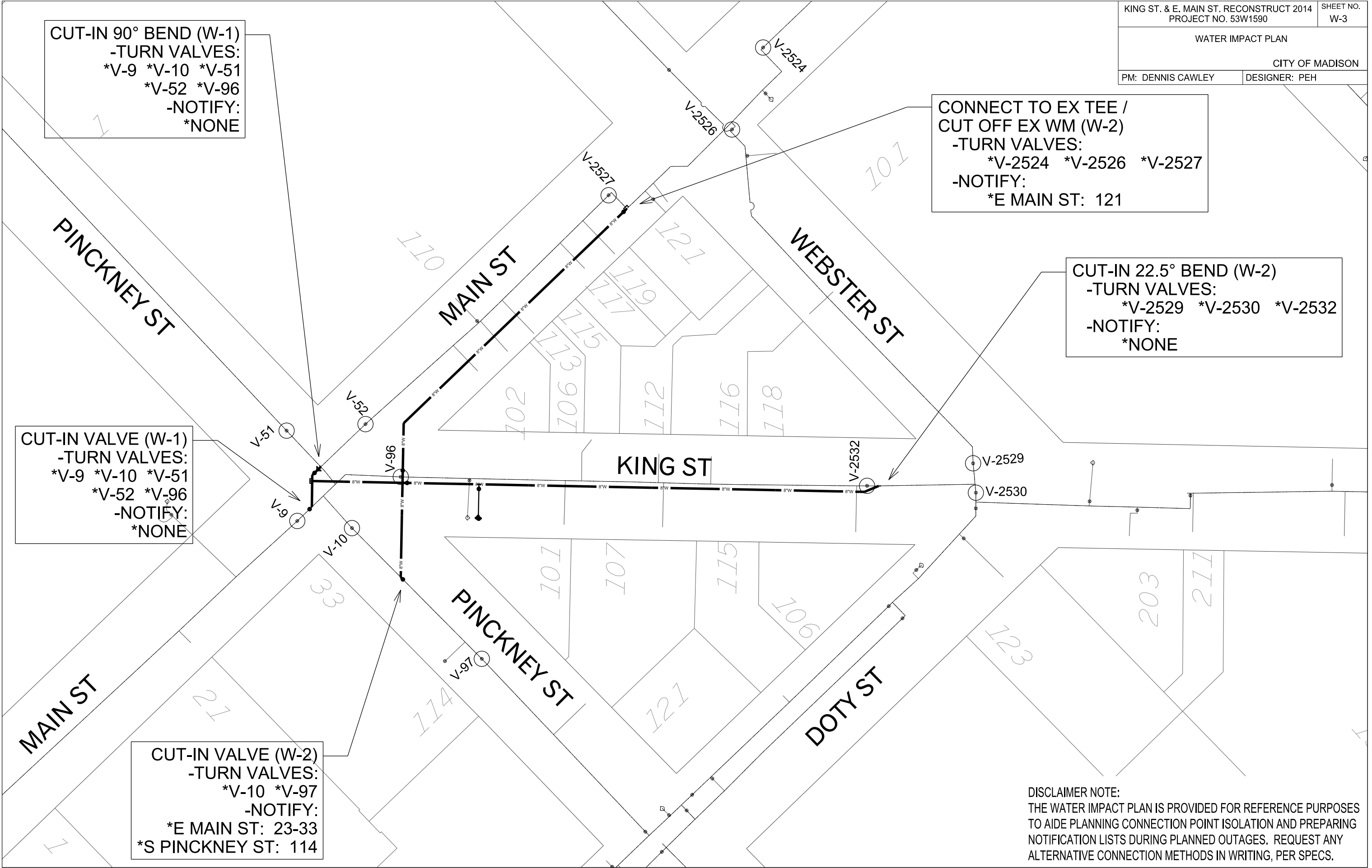
CONNECT TO EX TEE /
CUT OFF EX WM (W-2)
-TURN VALVES:
*V-2524 *V-2526 *V-2527
-NOTIFY:
*E MAIN ST: 121

CUT-IN 22.5° BEND (W-2)
-TURN VALVES:
*V-2529 *V-2530 *V-2532
-NOTIFY:
*NONE

CUT-IN VALVE (W-1)
-TURN VALVES:
*V-9 *V-10 *V-51
*V-52 *V-96
-NOTIFY:
*NONE

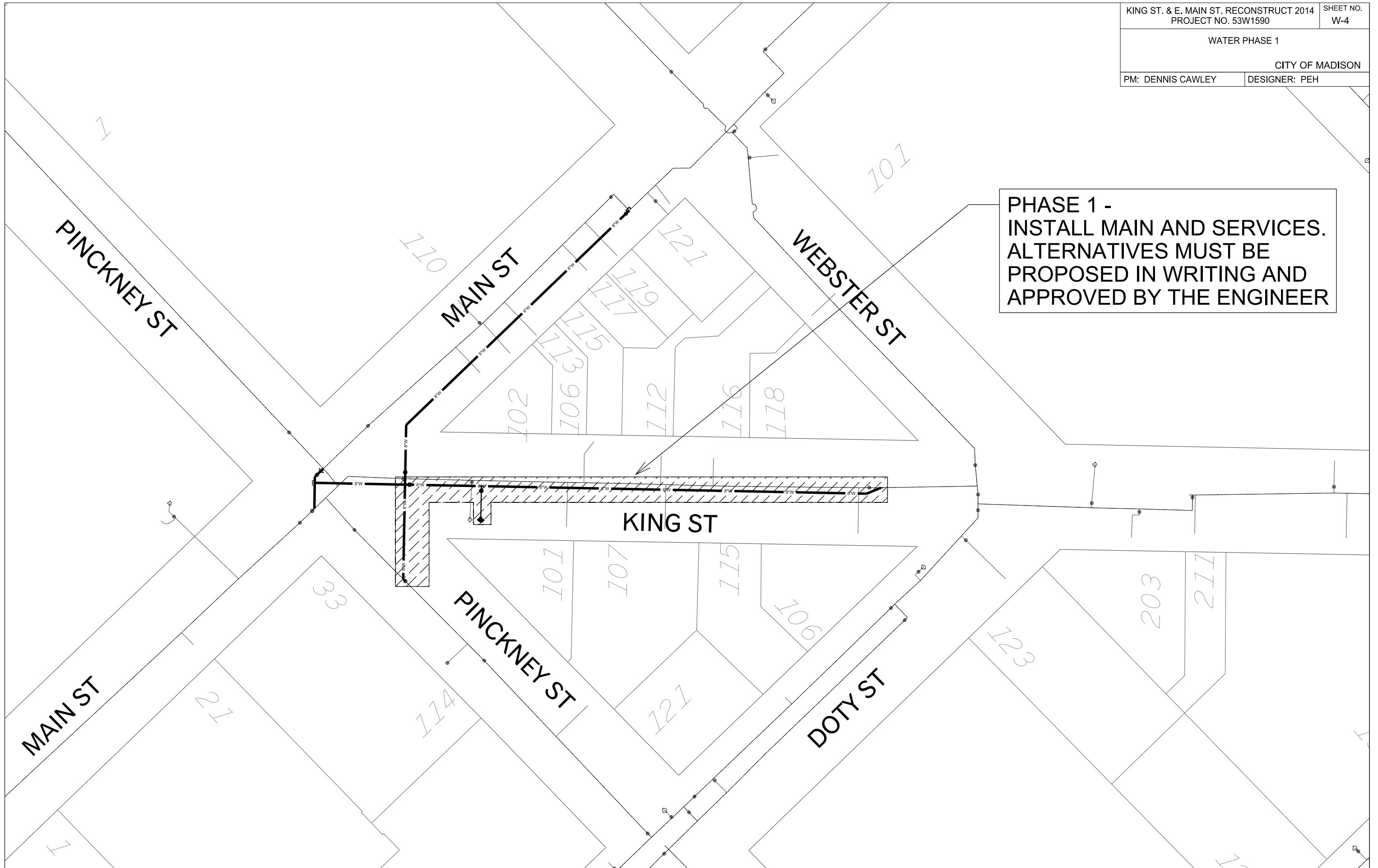
CUT-IN VALVE (W-2)
-TURN VALVES:
*V-10 *V-97
-NOTIFY:
*E MAIN ST: 23-33
*S PINCKNEY ST: 114

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES
TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING
NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY
ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.



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

**PHASE 1 -
INSTALL MAIN AND SERVICES.
ALTERNATIVES MUST BE
PROPOSED IN WRITING AND
APPROVED BY THE ENGINEER**



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.*

30' - 6" PIPE
800' - 8" PIPE
20' - 10" PIPE

950' - POLYWRAP

1 - 6" VALVE & BOX
6 - 8" VALVE & BOX

1 - 8"x6" TEE

2 - 8"x8" CROSS

1 - 8" 22.5° BEND
4 - 8" 45° BEND
1 - 10" 90° BEND

1 - 8"x6" REDUCER (TEMP)
1 - 10"x8" REDUCER

1 - 4" MJ PLUG
1 - 8" MJ PLUG

1 - 5" HYDRANT
1 - 5" HYDRANT (TEMP)

1" COPPER AS REQUIRED
1½" COPPER AS REQUIRED
2" COPPER AS REQUIRED

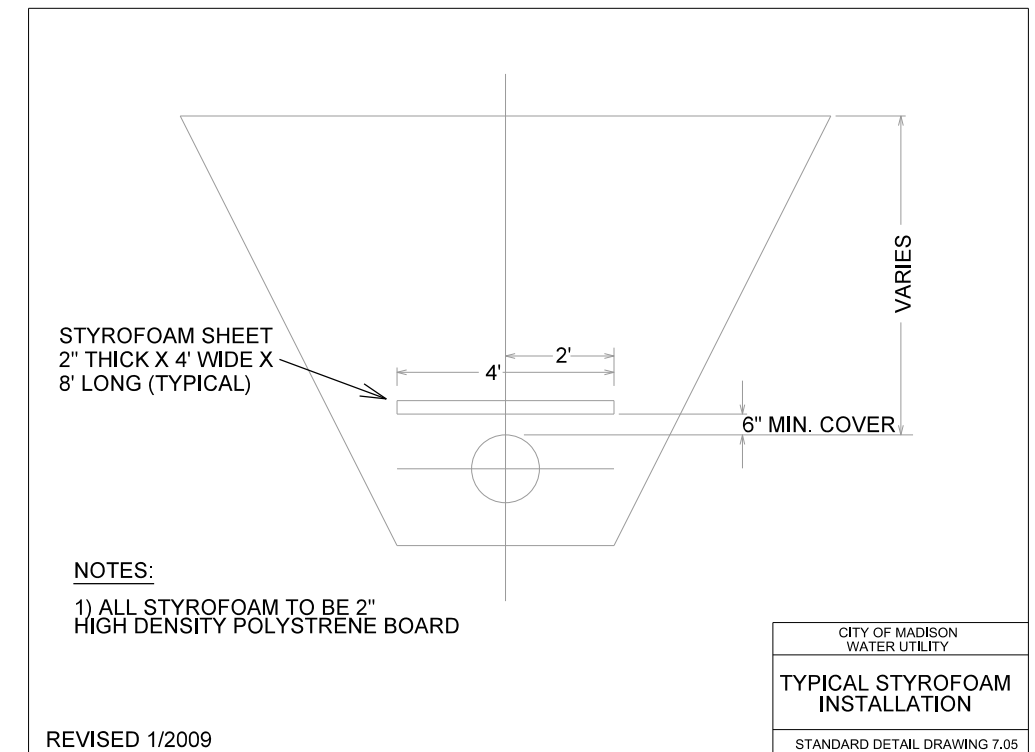
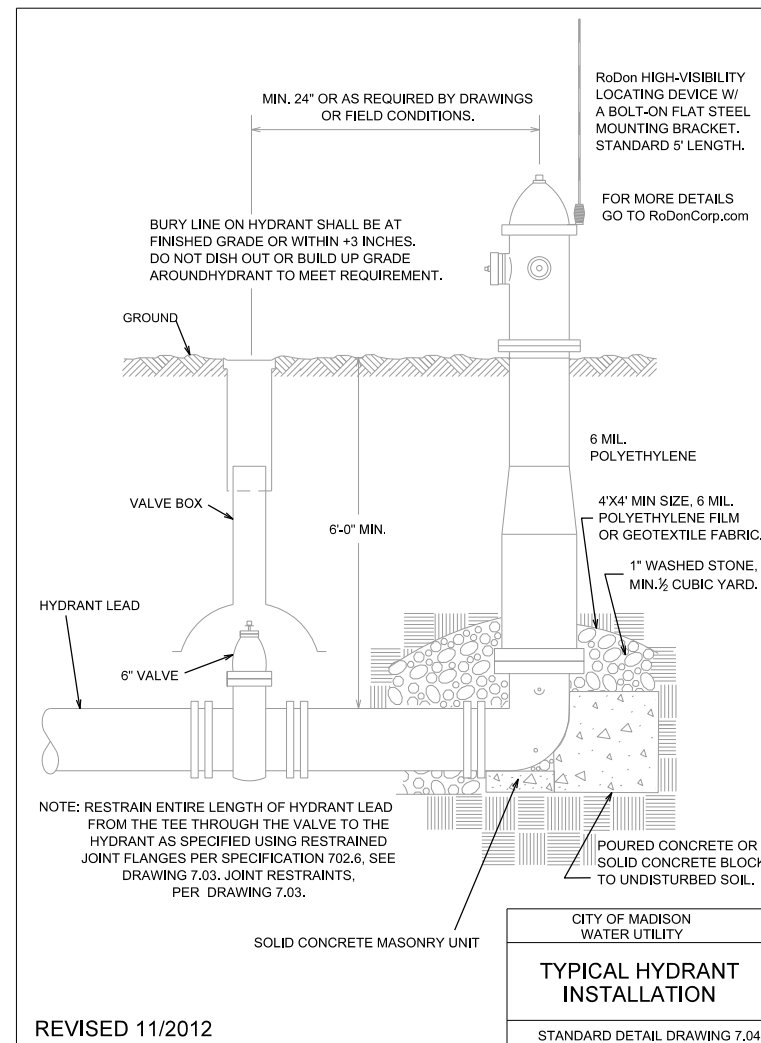
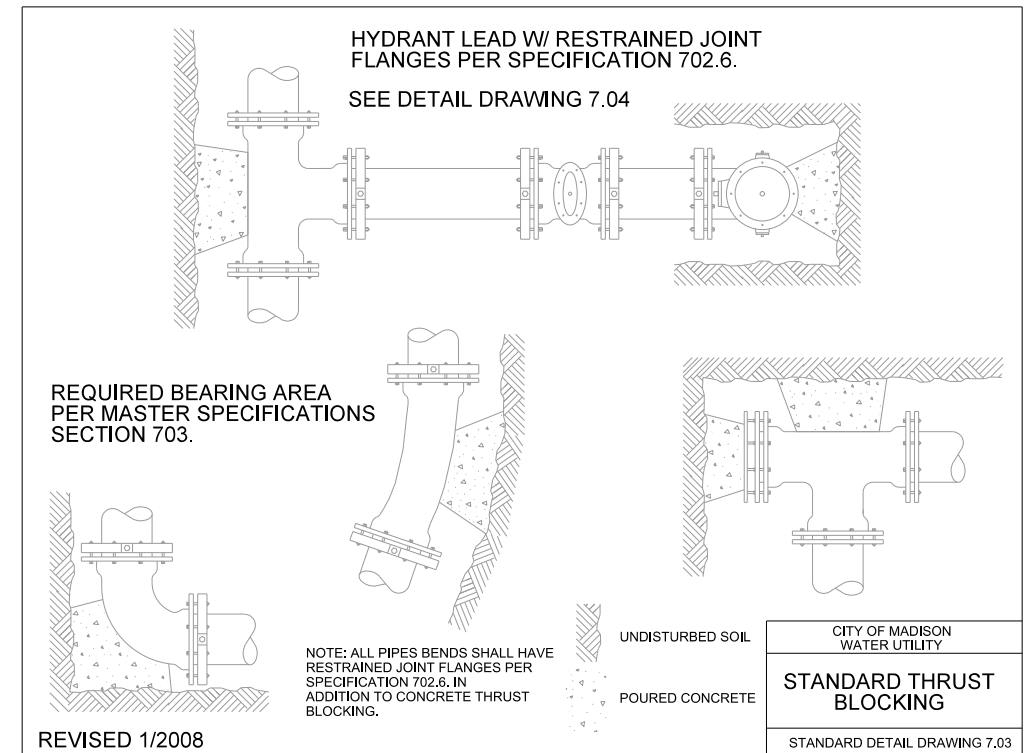
MATERIALS SALVAGED FOR CITY:

1 - 4" VALVE
1 - 8" VALVE

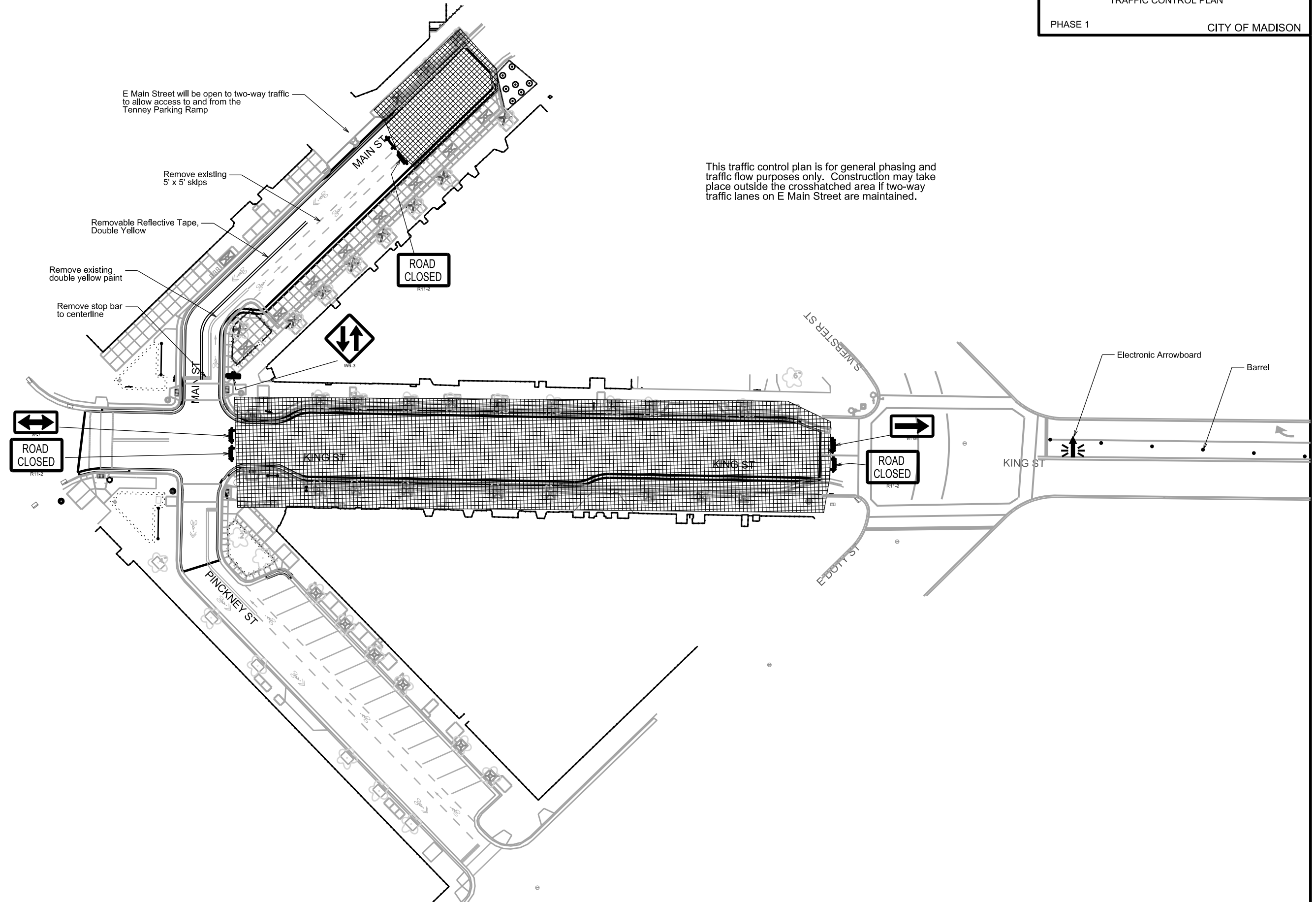
1 - 8"x8" TEE

1 - 4" 90° BEND

1 - 8" MJ PLUG



TRAFFIC CONTROL PLAN



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

This traffic control plan is for general phasing and traffic flow purposes only. Construction may take place outside the crosshatched area if two-way traffic lanes on E Main Street are maintained.

E Main Street will be open to two-way traffic to allow access to and from the Tenney Parking ramp.

Temporary Reflective Tape, 24" White

Temporary Reflective Tape, Double Yellow

Bag six parking spaces closest to King Street to create turn-around area

Remove all bike lane lines and bike symbols on Pinckney St

Temporary Reflective Tape, Double Yellow

Electronic Arrowboard

Barrel

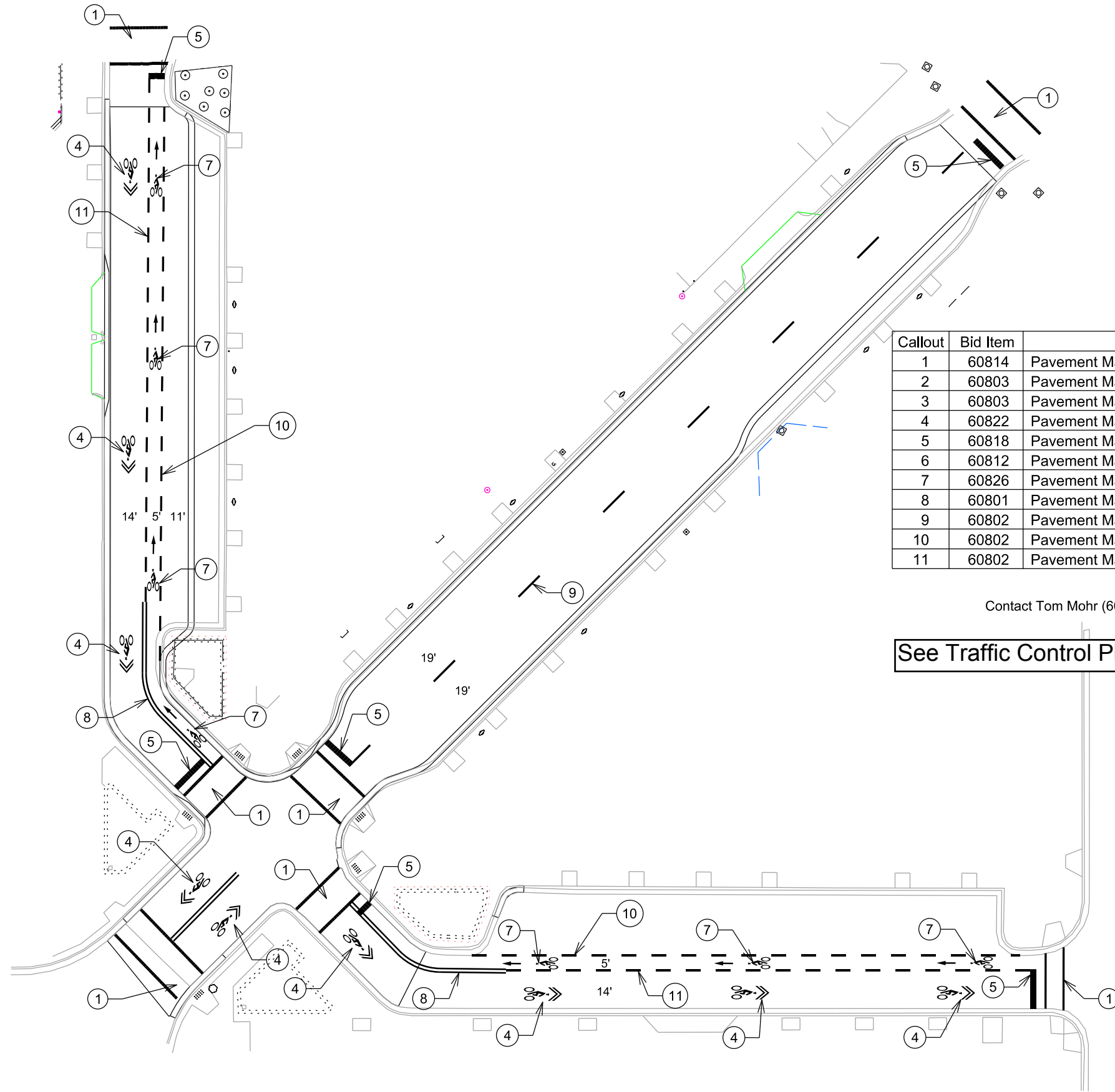
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

EPOXY PAVEMENT MARKING PLAN



| Callout | Bid Item | Description |
|---------|----------|-----------------------------------------------------------------|
| 1 | 60814 | Pavement Marking Epoxy, 12-Inch White Crosswalk |
| 2 | 60803 | Pavement Marking Epoxy, 8-Inch Solid White |
| 3 | 60803 | Pavement Marking Epoxy, 8-Inch White Skips, (5' Line, 5' Gap) |
| 4 | 60822 | Pavement Marking Epoxy, Symbol, Sharrow |
| 5 | 60818 | Pavement Marking Epoxy, 24-Inch White, Stop Line |
| 6 | 60812 | Pavement Marking Epoxy, 6-Inch White, Crosswalk |
| 7 | 60826 | Pavement Marking Epoxy, Symbol, Bike Lane and Straight Arrow |
| 8 | 60801 | Pavement Marking Epoxy, 4-Inch Double Yellow |
| 9 | 60802 | Pavement Marking Epoxy, 6-Inch Yellow Skips (10' Line, 30' Gap) |
| 10 | 60802 | Pavement Marking Epoxy, 6-Inch White Skips (5' Line, 5' Gap) |
| 11 | 60802 | Pavement Marking Epoxy, 6-Inch Yellow Skips (5' Line, 5' Gap) |

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

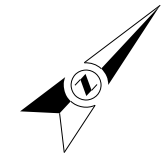
See Traffic Control Plan for Pavement Marking Removals

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



GENERAL ELECTRIC NOTES:

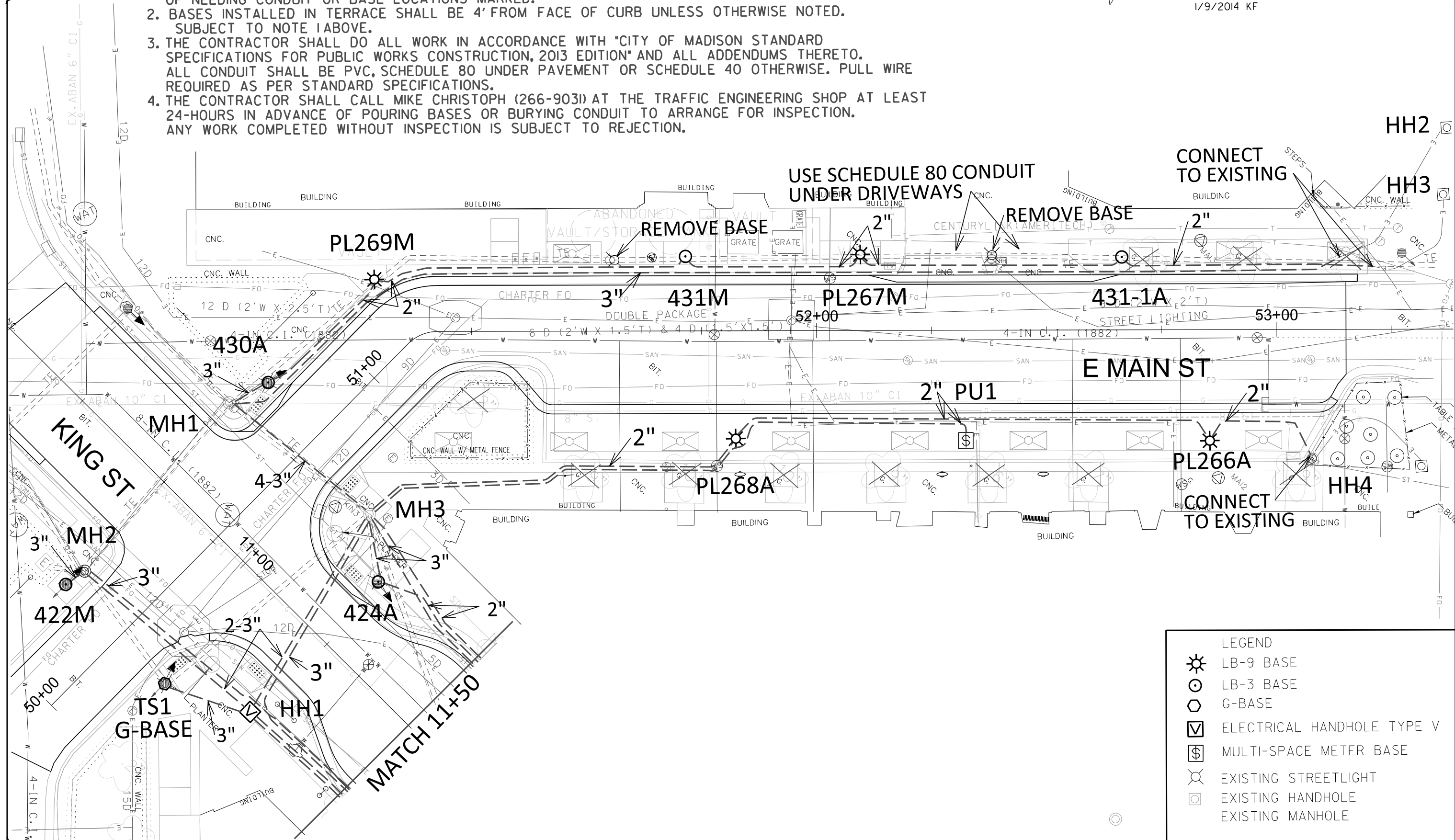
1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY DAN DETTMANN (266-6536) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR BASE LOCATIONS MARKED.
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.

PLOT SCALE:

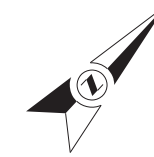
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



| LEGEND | |
|--------|----------------------------|
| | LB-9 BASE |
| | LB-3 BASE |
| | G-BASE |
| | ELECTRICAL HANDHOLE TYPE V |
| | MULTI-SPACE METER BASE |
| | EXISTING STREETLIGHT |
| | EXISTING HANDHOLE |
| | EXISTING MANHOLE |



GENERAL ELECTRIC NOTES:

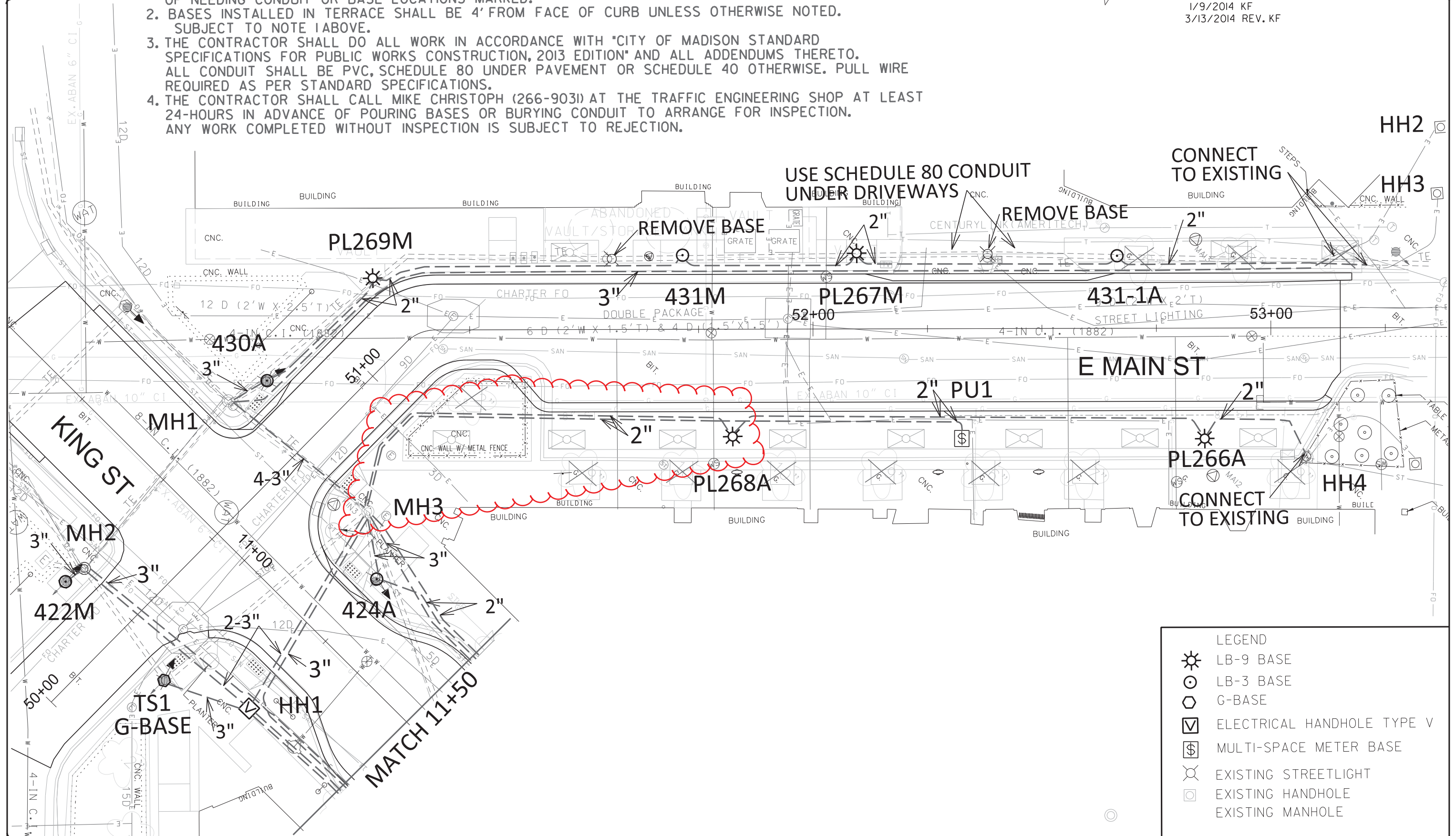
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PLOT SCALE:

PLOT NAME:

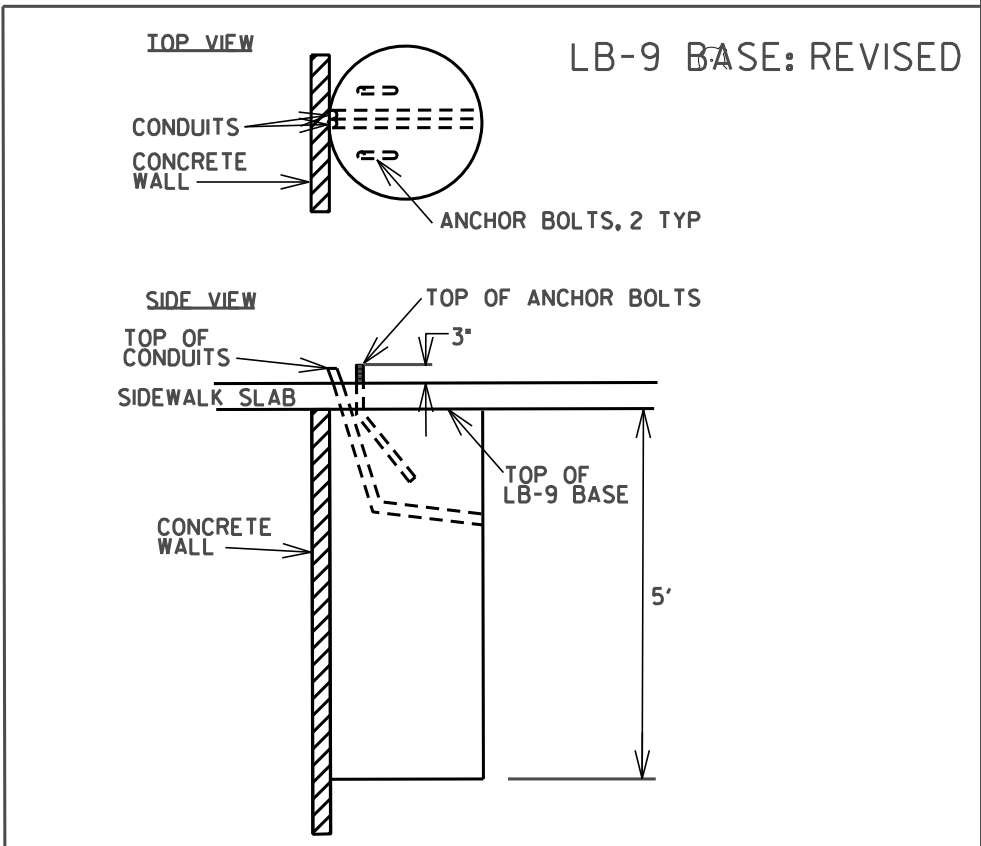
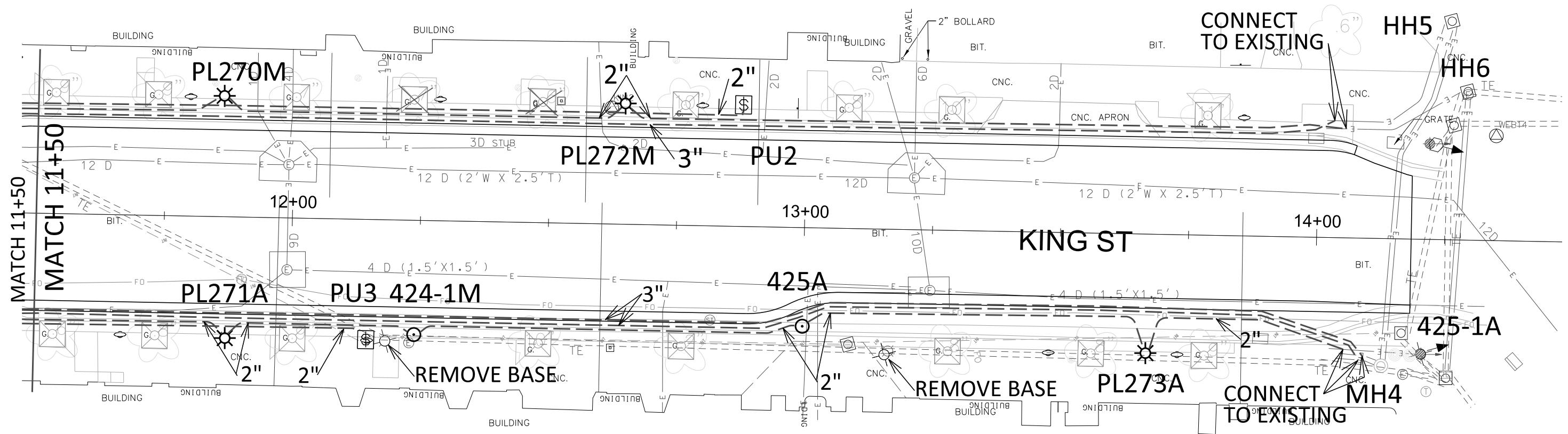
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



LEGEND

| | |
|--|----------------------------|
| | LB-9 BASE |
| | LB-3 BASE |
| | G-BASE |
| | ELECTRICAL HANDHOLE TYPE V |
| | MULTI-SPACE METER BASE |
| | EXISTING STREETLIGHT |
| | EXISTING HANDHOLE |
| | EXISTING MANHOLE |



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

CROSS SECTIONS

KING ST.

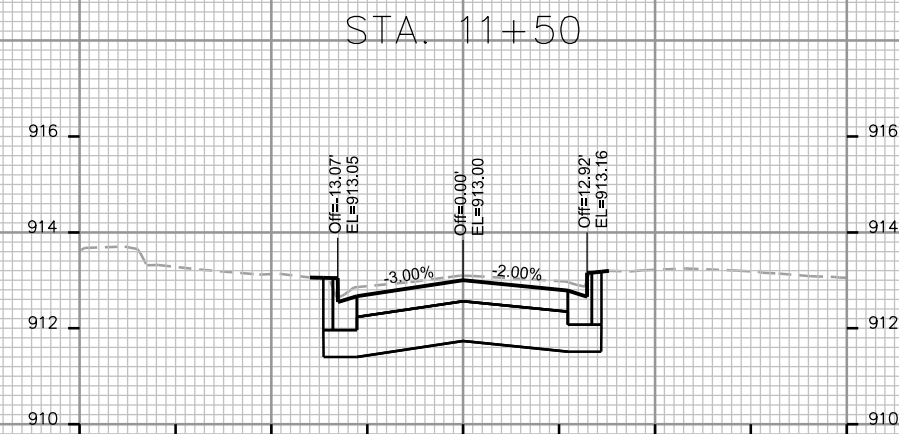
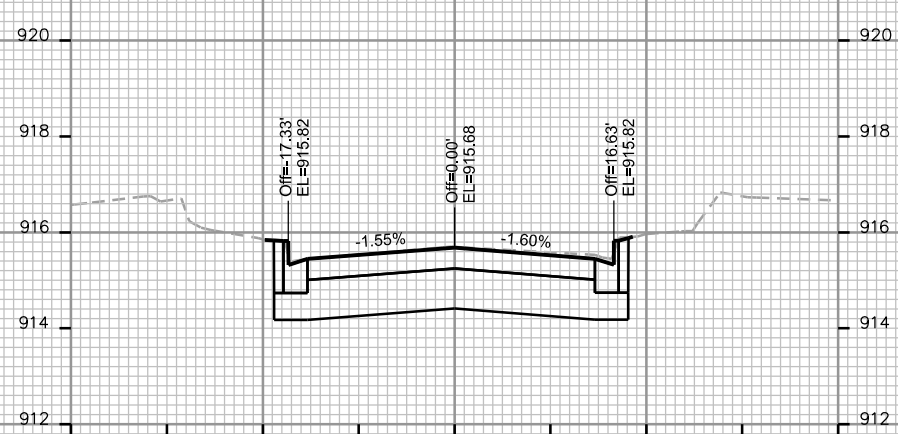
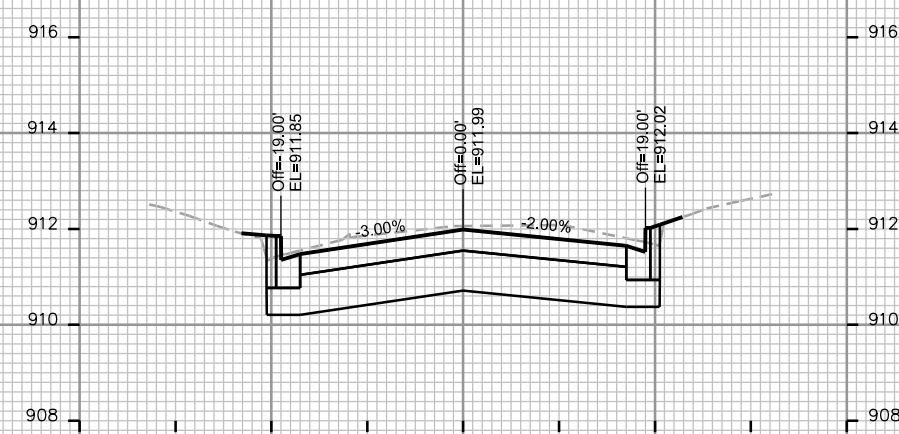
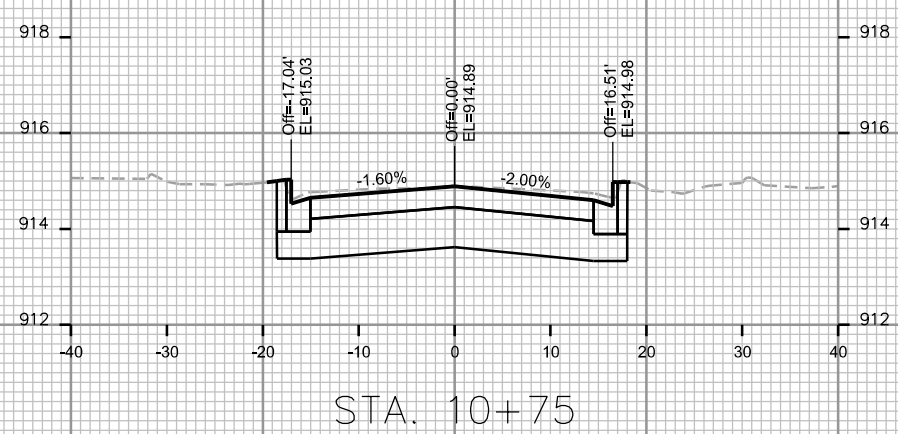
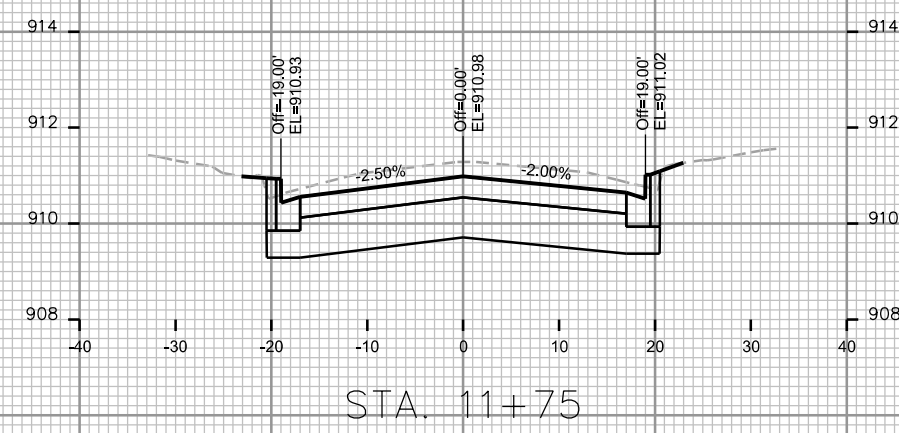
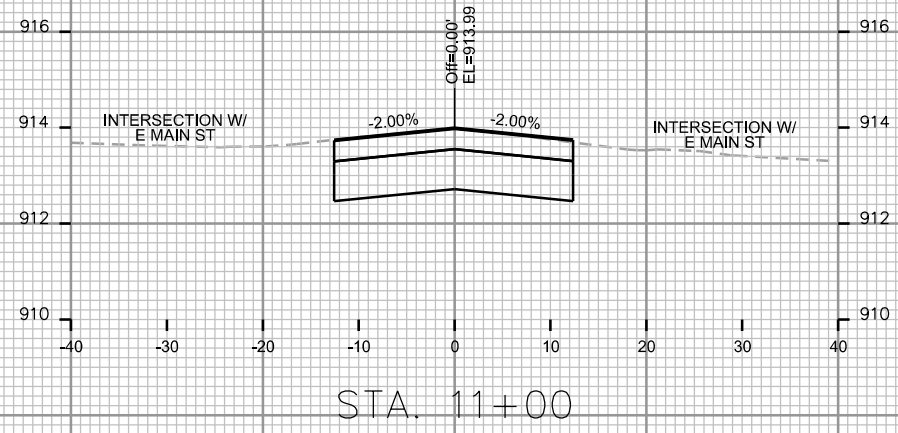
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



4 FT

20 FT

CROSS SECTIONS

KING ST.

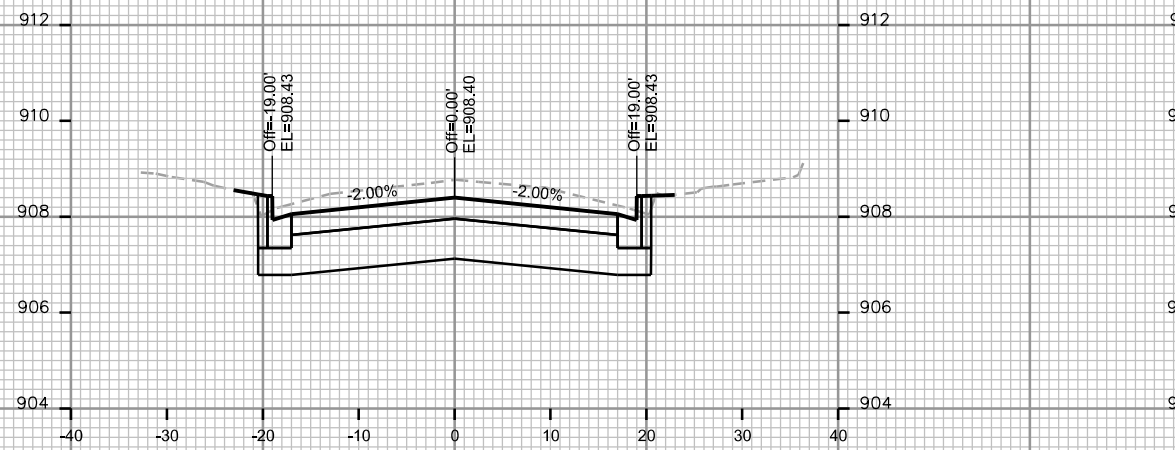
CITY OF MADISON

PLOT SCALE: _____

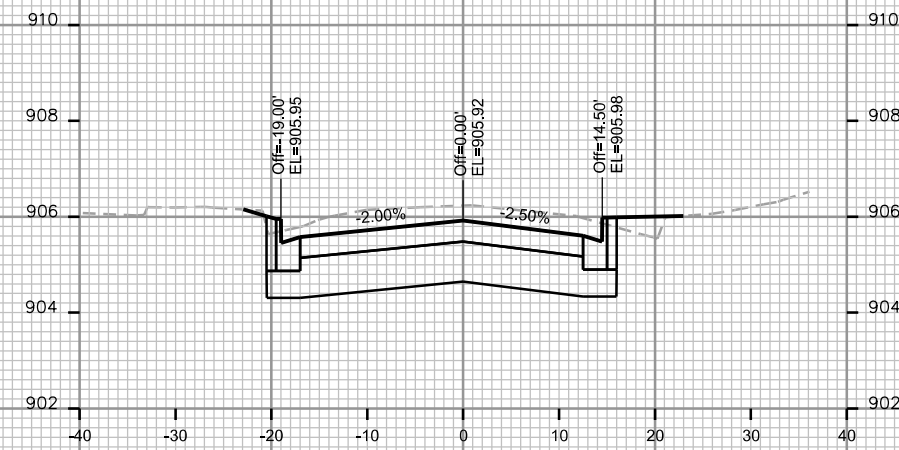
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REV. DATE: _____

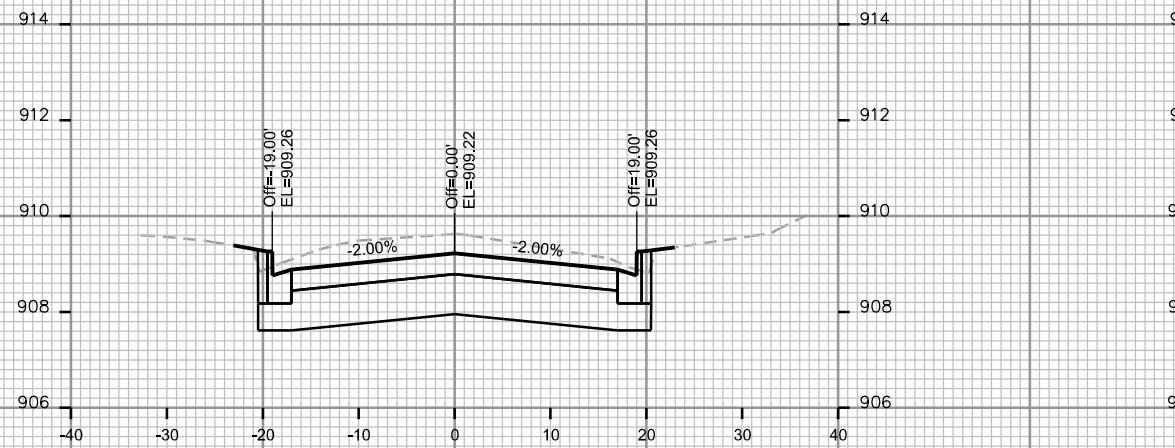
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



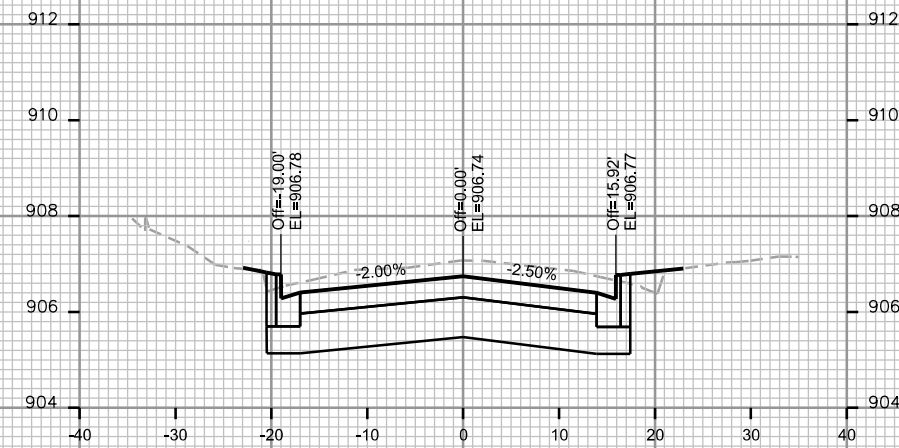
STA. 12+50



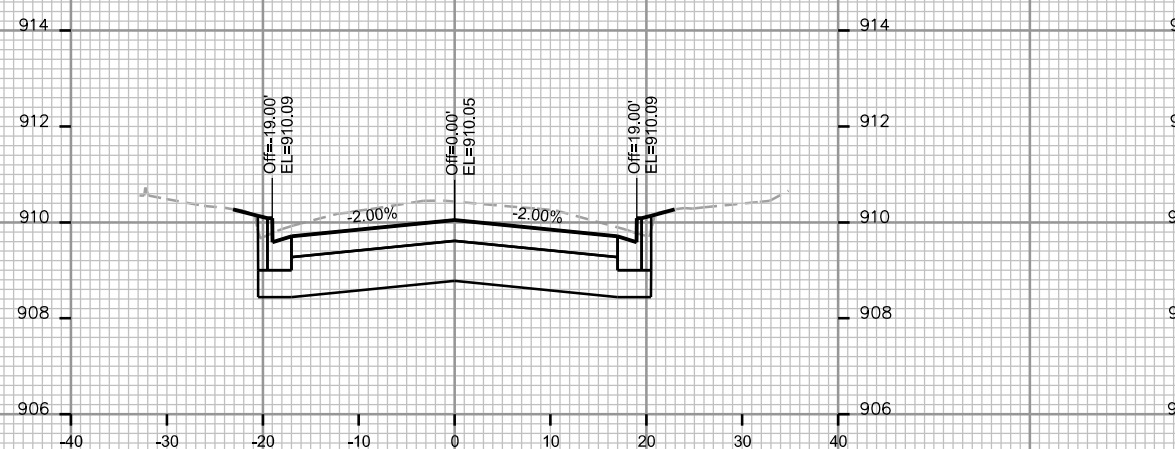
STA. 13+25



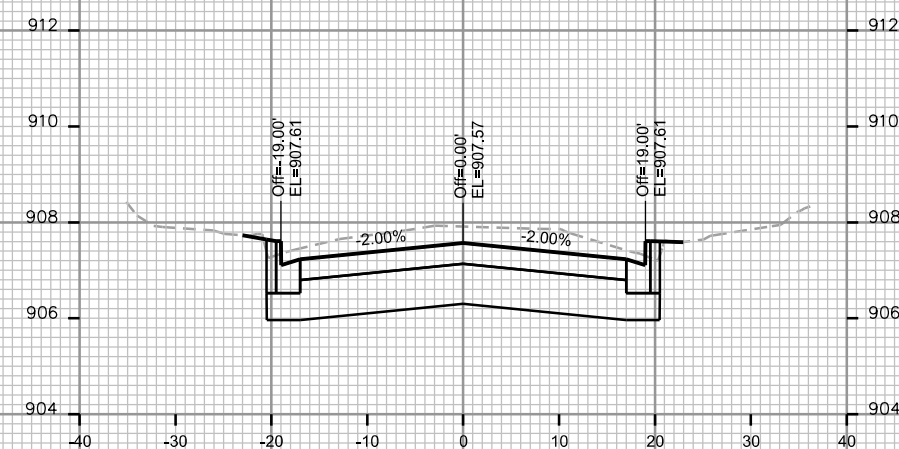
STA. 12+25



STA. 13+00



STA. 12+00



STA. 12+75

4 FT

20 FT

CROSS SECTIONS

KING ST.

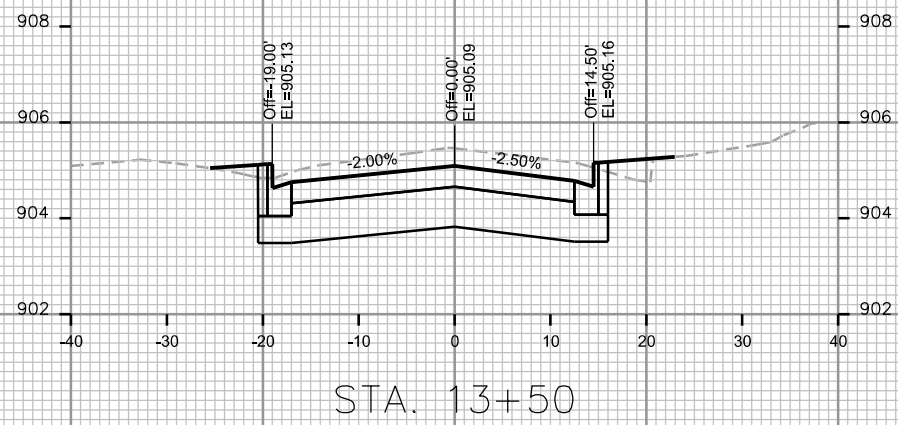
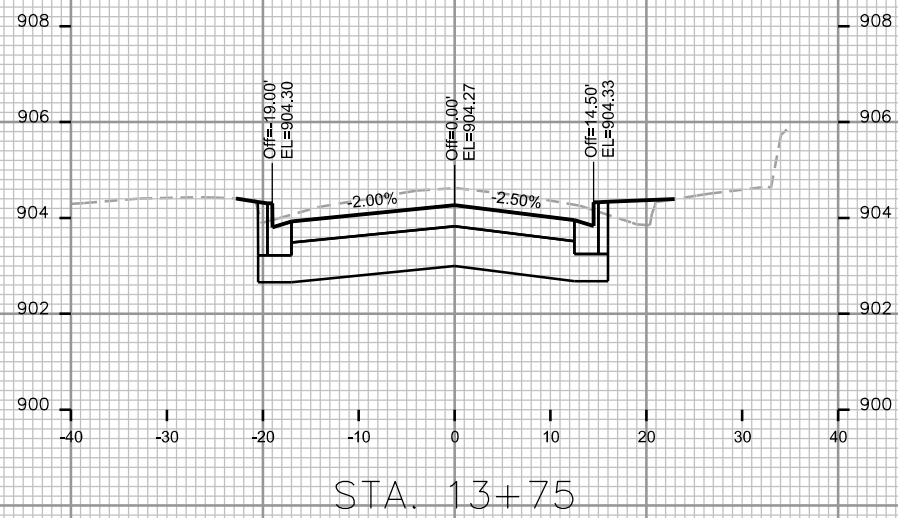
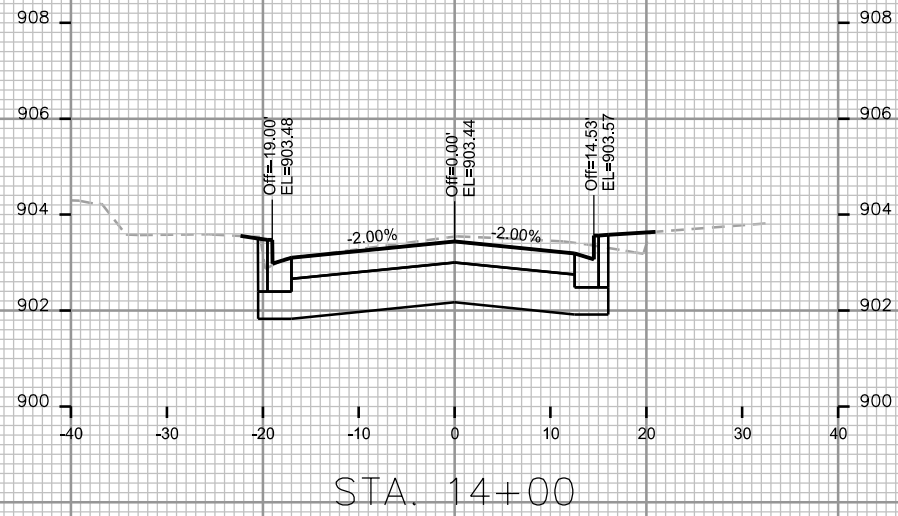
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



4 FT

20 FT

CROSS SECTIONS

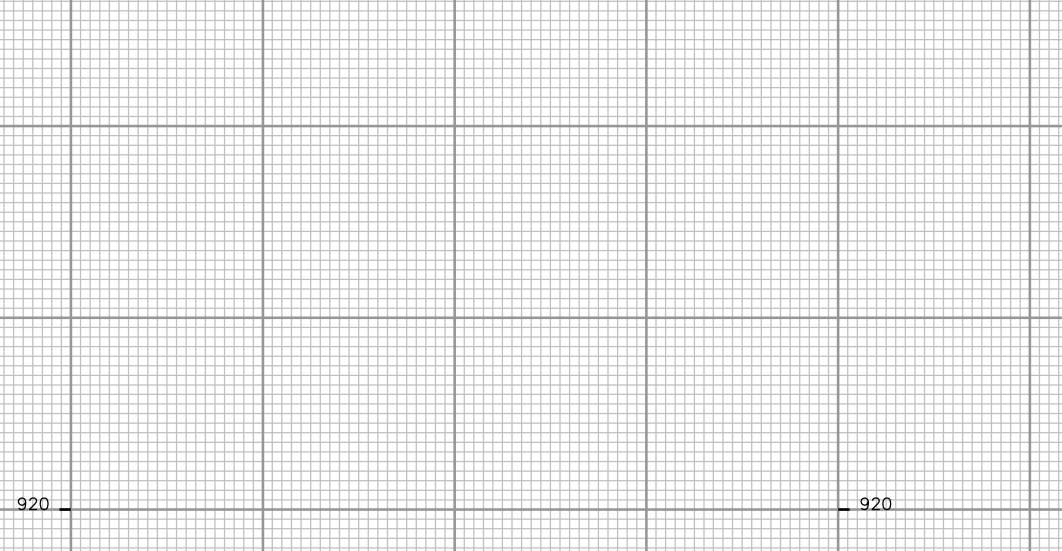
E. MAIN ST. CITY OF MADISON

PLOT SCALE: _____

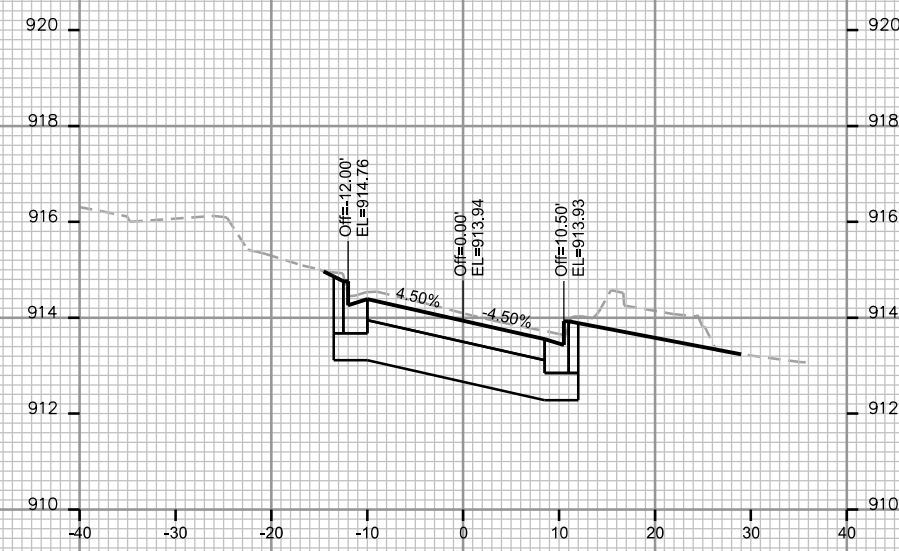
PLOT NAME: _____

REV. DATE: _____

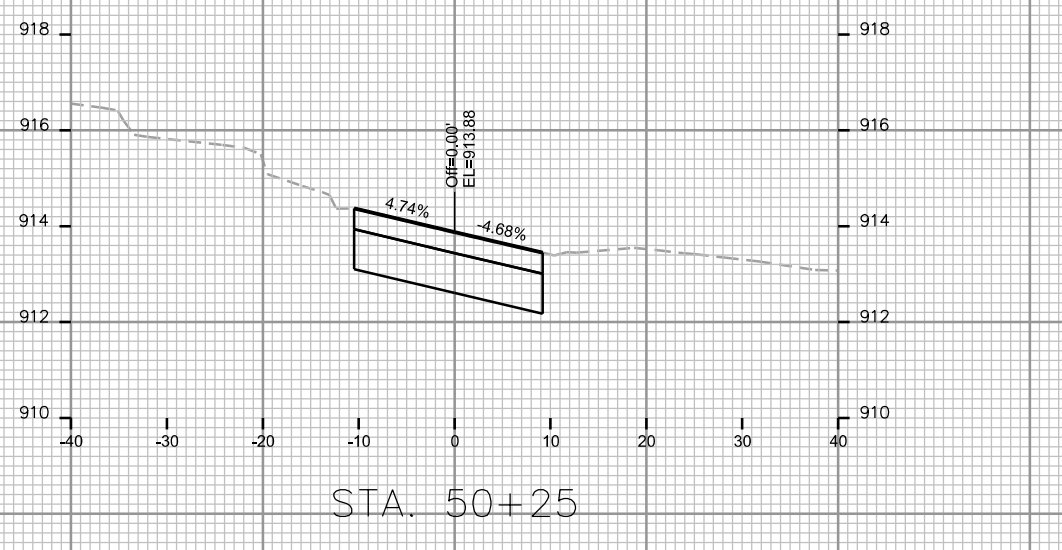
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



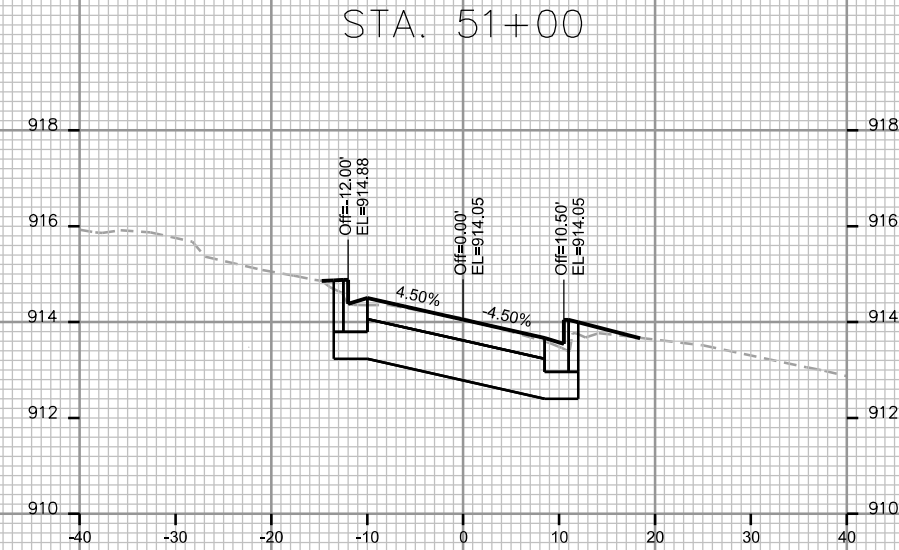
STA. 50+25



STA. 51+00



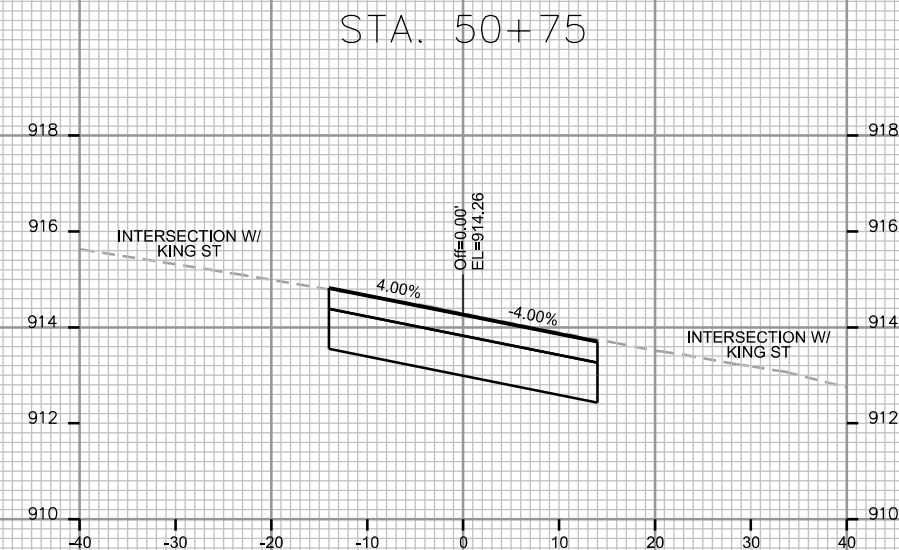
STA. 50+75



STA. 50+50



STA. 50+00



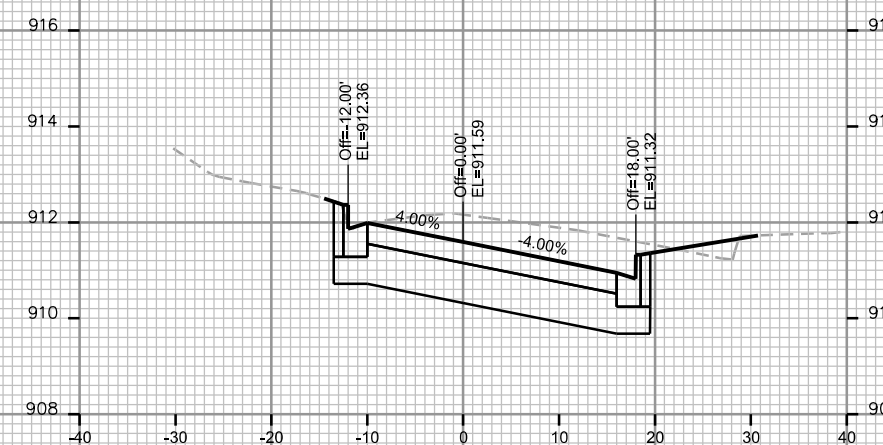
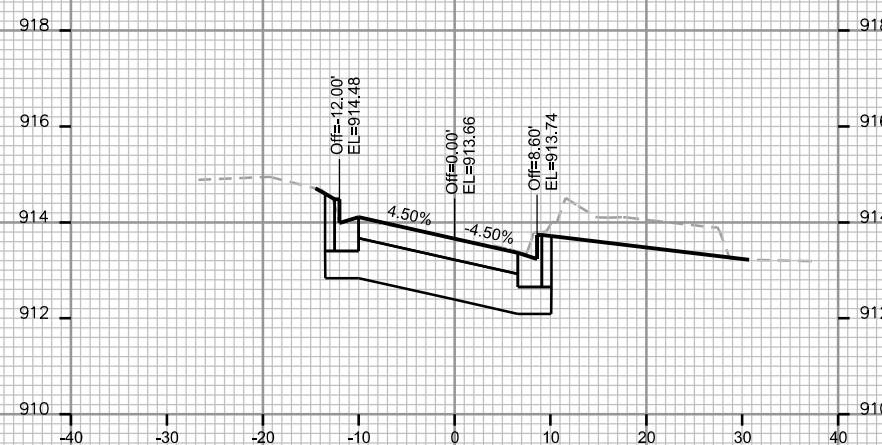
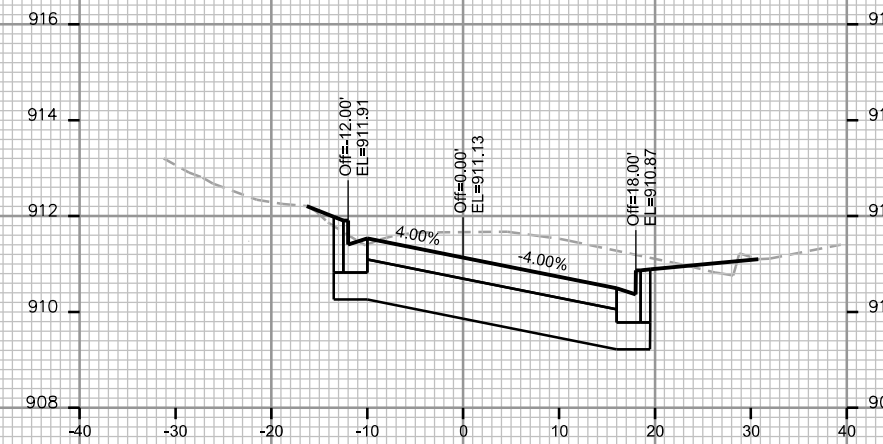
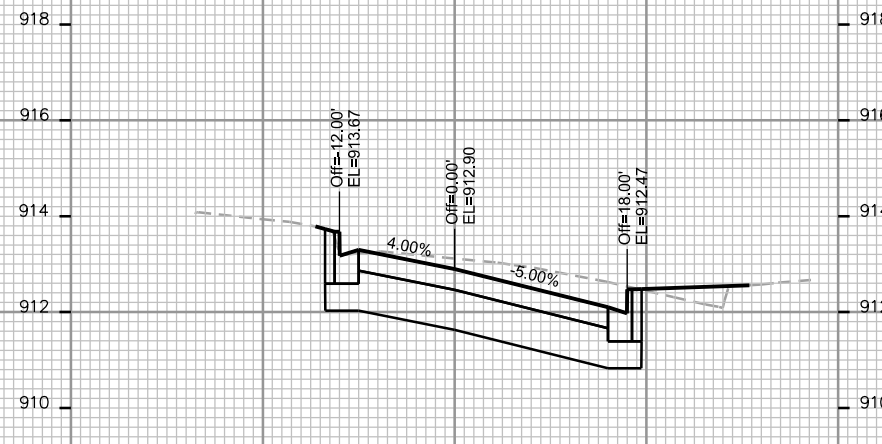
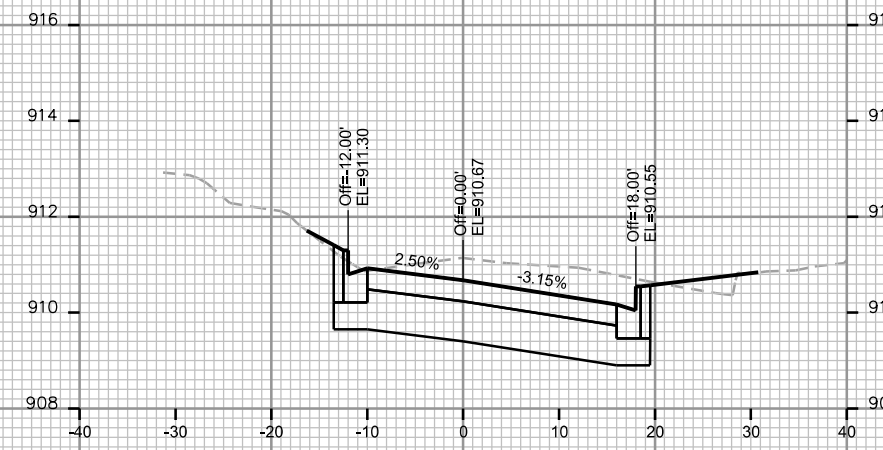
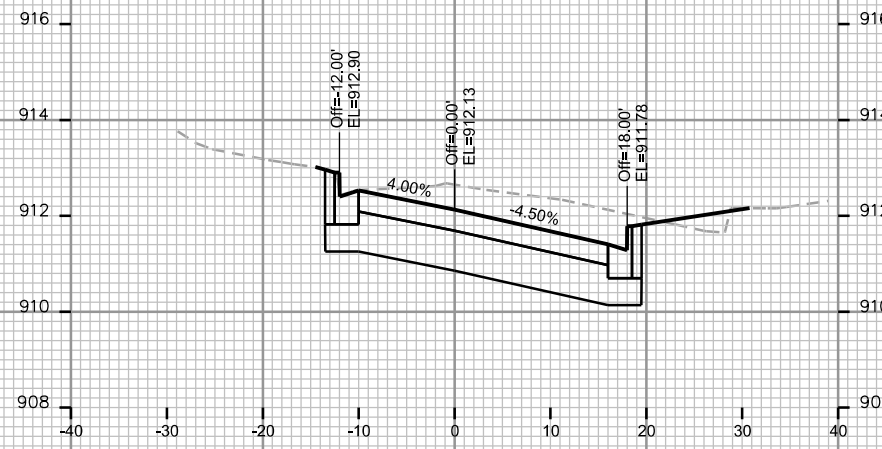
4 FT

20 FT

CROSS SECTIONS

E. MAIN ST.

CITY OF MADISON



4 FT

20 FT

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

E. MAIN ST.

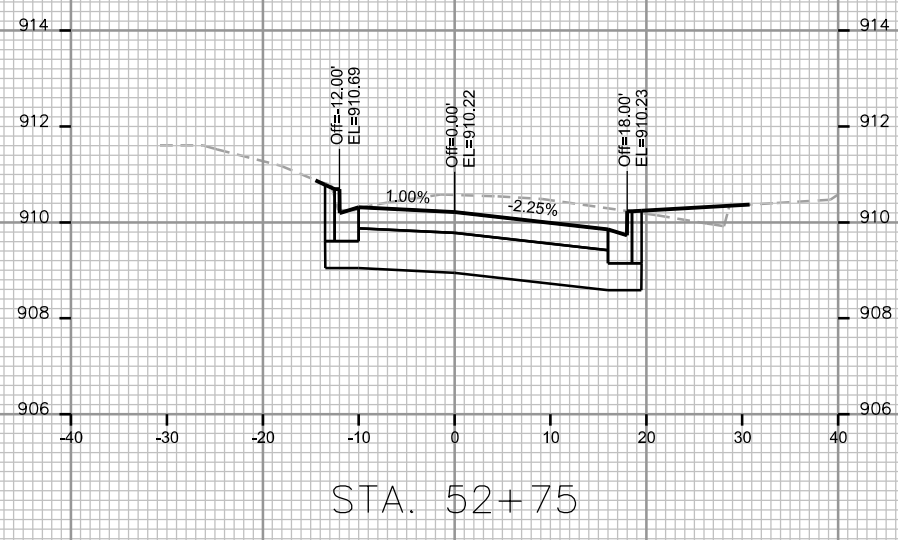
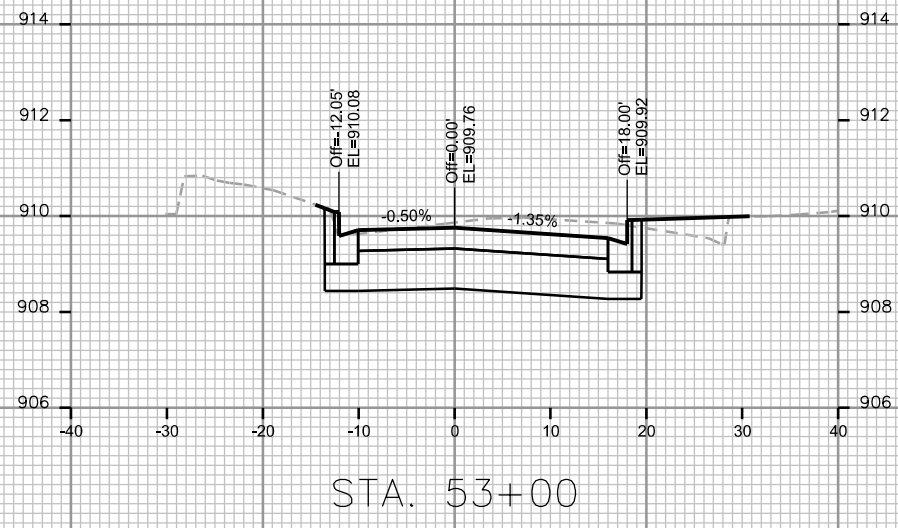
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



4 FT

20 FT